



RADIO TEST REPORT

FCC ID : QXO-AP5050
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5050U
Applicant : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina
United States 27560
Manufacturer : Extreme Networks, Inc.
2121 RDU Center Drive Morrisville North Carolina
United States 27560
Standard : 47 CFR FCC Part 15.407

The product was received on May 16, 2022, and testing was started from May 30, 2022 and completed on Nov. 09, 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 variant 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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History of this test report

TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_5 Ver1.1

Page Number : 3 of 49
Issued Date : Mar. 28, 2024
Report Version : 01



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	-
-	15.407(d)	Contention-Based Protocol	N/A	Standard Power AP w/o test

Note: Reference to Sporton Project No.: 251735

Conformity Assessment Condition:

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

Disclaimer:

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
5925-6425	ax (HEW20)	5955-6415	1-93 [24]
6525-6875		6535-6855	117-181 [17]
5925-6425	ax (HEW40)	5965-6405	3-91 [12]
6525-6875		6565-6845	123-179 [8]
5925-6425	ax (HEW80)	5985-6385	7-87 [6]
6525-6875		6625-6785	135-167 [3]
5925-6425	ax (HEW160)	6025-6345	15-79 [3]
6525-6875		6665	143 [1]

For Radio 5

Band	Mode	BWch (MHz)	Nant
5925-6425 / 6525-6875 MHz	802.11ax HEW20	20	1, 2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW20-BF	20	2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW40	40	1, 2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW40-BF	40	2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW80	80	1, 2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW80-BF	80	2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW160	160	1, 2, 4
5925-6425 / 6525-6875 MHz	802.11ax HEW160-BF	160	2, 4

For Scanning radio 1

Band	Mode	BWch (MHz)	Nant
5925-6425 / 6525-6875 MHz	802.11ax HEW20	20	2
5925-6425 / 6525-6875 MHz	802.11ax HEW40	40	2
5925-6425 / 6525-6875 MHz	802.11ax HEW80	80	2
5925-6425 / 6525-6875 MHz	802.11ax HEW160	160	2

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.	Port							Brand Name	Model Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)	WLAN 5GHz (Radio 2)	WLAN 5GHz (Scanning Radio 1)	WLAN 6GHz (Radio 5)	WLAN 6GHz (Scanning Radio 1)	BT / IEEE802.15.4 (Radio 3)	GPS (Radio 4)					
1	1	-	-	-	-	-	-	WNC	95XEAJ15.G45	Metal PIFA	I-PEX	Note 1
2	2	-	-	-	-	-	-	WNC	95XEAJ15.G46	Metal PIFA	I-PEX	
3	3	-	1	-	1	-	-	WNC	95XEAJ15.G53	Metal PIFA	I-PEX	
4	4	-	2	-	2	-	-	WNC	95XEAJ15.G54	Metal PIFA	I-PEX	
5	-	1	-	-	-	-	-	WNC	95XEAJ15.G47	Metal PIFA	I-PEX	
6	-	2	-	-	-	-	-	WNC	95XEAJ15.G48	Metal PIFA	I-PEX	
7	-	3	-	-	-	-	-	WNC	95XEAJ15.G91	Metal PIFA	I-PEX	
8	-	4	-	-	-	-	-	WNC	95XEAJ15.G92	Metal PIFA	I-PEX	
9	-	-	-	1	-	-	-	WNC	95XEAJ15.G49	Metal PIFA	I-PEX	
10	-	-	-	2	-	-	-	WNC	95XEAJ15.G50	Metal PIFA	I-PEX	
11	-	-	-	3	-	-	-	WNC	95XEAJ15.G51	Metal PIFA	I-PEX	
12	-	-	-	4	-	-	-	WNC	95XEAJ15.G52	Metal PIFA	I-PEX	
13	-	-	-	-	-	1	-	WNC	95XEAJ15.G55	Metal PIFA	I-PEX	
14	-	-	-	-	-	-	1	WNC	95XEAJ15.G89	Metal PIFA	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)												
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)			WLAN 5GHz (Radio 2)				WLAN 5GHz (Scanning Radio 1)				BT / IEEE802.15.4 (Radio 3)	GPS (Radio 4)
	2.4G	2.45G	2.4835G	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3		
1	2.3	2.62	2.51	-	-	-	-	-	-	-	-	-	-
2	2.79	3.09	3.11	-	-	-	-	-	-	-	-	-	-
3	3.18	2.35	2.56	-	-	-	-	4.4	4.4	4.4	4.4	-	-
4	3.8	4.63	3.64	-	-	-	-	4.4	4.4	4.4	4.4	-	-
5	-	-	-	3.18	2.87	2.65	2.51	-	-	-	-	-	-
6	-	-	-	3.24	3.59	3.6	3.35	-	-	-	-	-	-
7	-	-	-	3.75	4.08	3.8	4.59	-	-	-	-	-	-
8	-	-	-	3.3	3.05	2.6	2.53	-	-	-	-	-	-
13	-	-	-	-	-	-	-	-	-	-	-	4.9	-
14	-	-	-	-	-	-	-	-	-	-	-	-	3.3



Ant.	Antenna Gain (dBi)	
	WLAN 6GHz (Radio 1) (Scanning Radio 1)	WLAN 6GHz (Radio 5)
3	4.4	-
4	4.4	-
9	-	5.6
10	-	5.6
11	-	5.6
12	-	5.6

Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)														
	2.4G		2.45G		2.4835G		2.4G			2.45G			2.4835G		
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1	4.13	2.79	4.72	3.09	4.15	3.11	7.27	4.27	3.8	7.68	4.68	4.63	7.05	4.05	3.64
2															
3	-	-	-	-	-	-									
4															

Ant.	Directional Gain (dBi)							
	WLAN 5GHz (Radio 2)							
	UNII 1		UNII 2A		UNII 2C		UNII 3	
	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
5	5.5	3.24	5.81	3.59	4.34	3.6	4.53	3.35
6								

Ant.	Directional Gain (dBi)											
	WLAN 5GHz (Radio 2)											
	UNII 1			UNII 2A			UNII 2C			UNII 3		
	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
5	8.43	5.43	3.75	8.12	5.12	4.08	7.02	4.02	3.8	7.68	4.68	4.59
6												
7												
8												

Note 2: The EUT has fourteen antennas.

Note 3: The above information (except gain of Radio 1 2.4GHz, Scanning Radio 1 2.4GHz, Radio 2) was declared by manufacturer.

Note 4: Radio 1 2.4GHz, Scanning Radio 1 2.4GHz, Radio 2: Maximum Directional Gain following KDB662911 D03.

Note 5: Scanning Radio 1 5GHz, Scanning Radio 1 6GHz, Radio 5 6GHz: Maximum Directional Gain following KDB662911 D01.

Note 6: 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 :

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

$$NSS1(g1,1) = 10^{G1/20} ; NSS1(g1,2) = 10^{G2/20} ; NSS1(g1,3) = 10^{G3/20} ; NSS1(g1,4) = 10^{G4/20}$$

$$g_{j,k} = (NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2$$

$$DG = 10 \log[(NSS1(g1,1) + NSS1(g1,2) + NSS1(g1,3) + NSS1(g1,4))^2 / N_{ANT}] \Rightarrow 10$$

$$\log[(10^{G1/20} + 10^{G2/20} + 10^{G3/20} + 10^{G4/20})^2 / N_{ANT}]$$

Where ;

$$G1 = 10 ; G2 = 10 ; G3 = 10 ; G4 = 10 ;$$

For Scanning Radio 1 5GHz

$$5G \ G1 = 4.4 \text{ dBi} ; G2 = 4.4 \text{ dBi}$$

$$5G \ 2T1S \ DG = 7.41 \text{ dBi} ; 2T2S \ DG = 4.4 \text{ dBi}$$

For Scanning Radio 1 6GHz

$$6G \ G1 = 4.4 \text{ dBi} ; G2 = 4.4 \text{ dBi} ;$$

$$2T2S \ DG = 4.4 \text{ dBi}$$

For Radio 5 6GHz

$$6G \ G1 = 5.6 \text{ dBi} ; G2 = 5.6 \text{ dBi} ; G3 = 5.6 \text{ dBi} ; G4 = 5.6 \text{ dBi}$$

$$4T1S \ DG = 11.62 \text{ dBi} ; 2T2S \ DG = 5.6 \text{ dBi} ; 4T4S \ DG = 5.6 \text{ dBi}$$

**For Radio 1****For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Scanning Radio 1**For 2.4GHz:****For IEEE 802.11b/g/n/VHT/ax mode (4TX/4RX):**

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

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

For 5GHz UNII 1~3:**For IEEE 802.11a/n/ac/ax mode (2TX/2RX):**

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

Port 1, Port 2 could transmit/receive simultaneously.

For 6GHz UNII 5, 7:**For IEEE 802.11ax mode (2TX/2RX):**

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

Port 1, Port 2 could transmit/receive simultaneously.

For Radio 2**For 5GHz UNII 1~3:****For IEEE 802.11a/n/ac/ax mode (1TX, 2TX, 4TX/4RX):****1TX**

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

For Radio 3**Bluetooth / IEEE802.15.4 (1TX):**

Only Port 1 can be used as transmitting antenna.

For Radio 4**GPS (1RX):**

Only Port 1 can be used as receiving antenna.



For Radio 5

For 6GHz UNII 5, 7:

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

1TX

Only Port 1 can be use as transmitting antenna.

2TX

Port 1, Port 2 can be use as transmitting antenna.

Port 1, Port 2 could transmitting simultaneously.

4TX

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

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

4RX

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

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

1.1.3 Mode Test Duty Cycle

For Scanning Radio 1

2T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20	0.967	0.15	787.813u	3k
802.11ax HEW40	0.942	0.26	434.063u	3k
802.11ax HEW80	0.9	0.46	243.438u	10k
802.11ax HEW160	0.855	0.68	161.875u	10k

For Radio 5

1T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	0.967	0.15	780.313u	3k
802.11ax HEW80	0.933	0.3	413.125u	3k
802.11ax HEW160	0.894	0.49	236.25u	10k

2T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20-BF	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40-BF	0.967	0.15	780.625u	3k
802.11ax HEW80-BF	0.936	0.29	413.125u	3k
802.11ax HEW160-BF	0.894	0.49	236.25u	10k

2T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20	0.965	0.15	787.5u	3k
802.11ax HEW40	0.93	0.32	433.75u	3k
802.11ax HEW80	0.89	0.51	243.312u	10k
802.11ax HEW160	0.845	0.73	161.75u	10k

**4T1S**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW20-BF	0.983	0.07	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	0.967	0.15	780.625u	3k
802.11ax HEW40-BF	0.967	0.15	780.625u	3k
802.11ax HEW80	0.939	0.27	413.438u	3k
802.11ax HEW80-BF	0.936	0.29	413.125u	3k
802.11ax HEW160	0.894	0.49	236.25u	10k
802.11ax HEW160-BF	0.894	0.49	236.25u	10k

4T4S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
802.11ax HEW20	0.981	0.08	n/a (DC $\geq$ 0.98)	n/a (DC $\geq$ 0.98)
802.11ax HEW40	0.967	0.15	780.625u	3k
802.11ax HEW80	0.939	0.27	413.438u	3k
802.11ax HEW160	0.894	0.49	236.25u	10k

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From PoE	
Beamforming Function	☒ With beamforming	☐ Without beamforming
	The product has beamforming function for 11n/VHT/11ax in radio 1 2.4GHz, 11n/11ac/11ax in radio 2 5GHz and 11ax in Radio 5 6GHz.	
Device Type	☐ Indoor Access Point	☐ Subordinate
	☐ Indoor Client	☒ Standard Power Access Point
	☐ Dual Client	☐ Standard Client
	☐ Fixed Client	
Condition of EUT	☐ Indoor	☒ Outdoor
Channel Puncturing Function	☐ Supported	☒ Unsupported
Support RU	☒ Full RU	☐ Partial RU
Test Software Version	For Non-beamforming mode: Mtool (v3.2.1.5) For Beamforming mode: DOS [ver 6.1.7601]	

Note: The above information was declared by manufacturer.

1.1.5 Table for EUT support function

Function
AP
Bridge
Mesh

Note1: For above table list, only AP mode was tested and recorded in this test.

Note2: The above information was declared by manufacturer.

1.1.6 Table for Radio function

Radio (R)	WLAN 2.4GHz	5GHz	6GHz	Scanning radio (WLAN 2.4GHz 4TX / 5GHz 2TX / 6GHz 2TX)	Bluetooth / IEEE802.15.4	GPS
R1	V (AP, Bridge, Mesh)	-	-	V (AP, Bridge, Mesh for 2.4GHz, AP for 5GHz UNII 1~3, AP for 6GHz UNII 5, 7)	-	-
R2	-	V (AP for UNII 1~3 / Bridge, Mesh for UNII 1, 3)	-	-	-	-
R3	-	-	-	-	V	-
R4	-	-	-	-	-	V
R5	-	-	V (AP for UNII 5, 7)	-	-	-

Note: The above information was declared by manufacturer.



1.1.7 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 251735-01

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Adding 6GHz function (UNII 5, UNII 7) for the device.	It was performed for all tests.



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 v02r01
- ♦ FCC KDB 662911 D01 v02r01
- ♦ 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	TH02-CB	Ken Yeh	20.2~20.8 / 66~67	Sep. 12, 2023~ Nov. 09, 2023
Radiated (Below 1GHz)	10CH01-CB	Joe Chu	22~23 / 57~58	May 30, 2022~ Sep. 12, 2022
RF Radiated (E.I.R.P. Power/PSD)	03CH01-CB	Black Lu	22.3~22.6 / 59~62	May 17, 2023~ Oct. 30, 2023
RF Radiated (Above 1GHz)	03CH01-CB	Black Lu	22.8~23 / 58~61	May 17, 2023~ Oct. 30, 2023
	03CH02-CB	Black Lu	21.7~22.9 / 58~62	May 17, 2023~ Oct. 30, 2023
AC Conduction	CO01-CB	Allen Chung	23~24 / 56~57	May 30, 2022

Note:

The tested sample of the all test items (excepting AC Power-line Conducted Emissions and Unwanted Emissions below 1GHz) was received on May 05, 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 Date: After Mar. 10, 2022

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	5.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.9 dB	Confidence levels of 95%

Test Date: Before Nov. 04, 2022

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%

Test Date: Before Jun 01, 2023

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%

Test Date: After May 31, 2023

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.2%	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Scanning Radio 1
2T2S

Mode	Power Setting
802.11ax HEW20_Nss2,(MCS0)_2TX	-
5955MHz	57
6195MHz	58
6415MHz	60
6535MHz	56
6695MHz	59
6855MHz	57
802.11ax HEW40_Nss2,(MCS0)_2TX	-
5965MHz	55
6205MHz	56
6405MHz	61
6565MHz	56
6685MHz	56
6845MHz	57
802.11ax HEW80_Nss2,(MCS0)_2TX	-
5985MHz	56
6225MHz	57
6385MHz	59
6625MHz	55
6705MHz	56
6785MHz	55
802.11ax HEW160_Nss2,(MCS0)_2TX	-
6025MHz	56
6185MHz	53
6345MHz	59
6665MHz	55

**For Radio 5
1T1S**

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	64
6195MHz	80
6415MHz	83
6535MHz	80
6695MHz	80
6855MHz	80
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	68
6205MHz	83
6405MHz	85
6565MHz	77
6685MHz	79
6845MHz	78
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	68
6225MHz	84
6385MHz	85
6625MHz	79
6705MHz	80
6785MHz	67
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	67
6185MHz	66
6345MHz	87
6665MHz	67

**2T1S**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5955MHz	45
6195MHz	46
6415MHz	48
6535MHz	45
6695MHz	47
6855MHz	47
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5965MHz	48
6205MHz	47
6405MHz	49
6565MHz	44
6685MHz	46
6845MHz	45
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5985MHz	49
6225MHz	47
6385MHz	48
6625MHz	46
6705MHz	47
6785MHz	47
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
6025MHz	48
6185MHz	46
6345MHz	48
6665MHz	45

**2T2S**

Mode	Power Setting
802.11ax HEW20_Nss2,(MCS0)_2TX	-
5955MHz	50
6195MHz	52
6415MHz	53
6535MHz	51
6695MHz	51
6855MHz	51
802.11ax HEW40_Nss2,(MCS0)_2TX	-
5965MHz	53
6205MHz	53
6405MHz	55
6565MHz	50
6685MHz	50
6845MHz	50
802.11ax HEW80_Nss2,(MCS0)_2TX	-
5985MHz	54
6225MHz	53
6385MHz	55
6625MHz	51
6705MHz	52
6785MHz	53
802.11ax HEW160_Nss2,(MCS0)_2TX	-
6025MHz	53
6185MHz	52
6345MHz	55
6665MHz	51

**4T1S****For non beamforming mode**

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	38
6195MHz	40
6415MHz	40
6535MHz	39
6695MHz	39
6855MHz	39
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	39
6205MHz	40
6405MHz	42
6565MHz	38
6685MHz	39
6845MHz	39
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5985MHz	41
6225MHz	40
6385MHz	42
6625MHz	39
6705MHz	39
6785MHz	40
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	39
6185MHz	39
6345MHz	40
6665MHz	39

**For beamforming mode**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5955MHz	28
6195MHz	31
6415MHz	31
6535MHz	29
6695MHz	30
6855MHz	30
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5965MHz	31
6205MHz	31
6405MHz	33
6565MHz	29
6685MHz	30
6845MHz	29
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5985MHz	32
6225MHz	31
6385MHz	32
6625MHz	29
6705MHz	29
6785MHz	31
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
6025MHz	30
6185MHz	29
6345MHz	31
6665MHz	29

**4T4S**

Mode	Power Setting
802.11ax HEW20_Nss4,(MCS0)_4TX	-
5955MHz	39
6195MHz	40
6415MHz	40
6535MHz	39
6695MHz	39
6855MHz	39
802.11ax HEW40_Nss4,(MCS0)_4TX	-
5965MHz	39
6205MHz	41
6405MHz	41
6565MHz	39
6685MHz	39
6845MHz	39
802.11ax HEW80_Nss4,(MCS0)_4TX	-
5985MHz	41
6225MHz	40
6385MHz	42
6625MHz	39
6705MHz	39
6785MHz	41
802.11ax HEW160_Nss4,(MCS0)_4TX	-
6025MHz	40
6185MHz	39
6345MHz	41
6665MHz	39

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	Normal Link(WLAN, GPS), CTX(Bluetooth, IEEE802.15.4)
1	EUT_R1 (2.4GHz)+R2 (5GHz)+R5 (6GHz)+R3 (BT)+R4 (GPS)+PoE
2	EUT_R1 (2.4GHz)+R2 (5GHz)+R5 (6GHz)+R3 (802.15.4)+R4 (GPS)+PoE
Mode 2 has been evaluated to be the worst case between Mode 1~2, thus measurement for Mode 3~4 will follow this same test mode.	
3	EUT_Scanning R1 (5GHz)+R2 (5GHz)+R5 (6GHz)+R3 (802.15.4)+R4 (GPS)+PoE
4	EUT_Scanning R1 (6GHz)+R2 (5GHz)+R5 (6GHz)+R3 (802.15.4)+R4 (GPS)+PoE
For operating mode 3 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth E.I.R.P. at any elevation angle above 30 degrees
Test Condition	Conducted measurement at transmit chains
1	Refer to note 1 for detail operating mode

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)
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.
1. The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration. 2. Refer to note 1 for detail operating mode	
1	EUT in Y axis_Scanning R1_2T2S
2	EUT in Y axis_R5_1T1S
3	EUT in Y axis_R5_2T1S
4	EUT in Y axis_R5_2T2S
5	EUT in Z axis_R5_4T1S
6	EUT in Z axis_R5_4T4S



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, GPS), CTX(Bluetooth, IEEE802.15.4)
1	EUT in Z axis_R1 (2.4GHz)+R2 (5GHz)+R5 (6GHz)+R3 (BT)+R4 (GPS)+PoE
2	EUT in Y axis_R1 (2.4GHz)+R2 (5GHz)+R5 (6GHz)+R3 (BT)+R4 (GPS)+PoE
3	EUT in X axis_R1 (2.4GHz)+R2 (5GHz)+R5 (6GHz)+R3 (BT)+R4 (GPS)+PoE
Mode 1 has been evaluated to be the worst case among Mode 1~3, thus measurement for Mode 4~8 will follow this same test mode.	
4	EUT in Z axis_R1 (2.4GHz)+R2 (5GHz)+R5 (6GHz)+R3 (802.15.4)+R4 (GPS)+PoE
5	EUT in Z axis_Scanning R1 (5GHz)+R2 (5GHz)+R5 (6GHz)+R3 (BT)+R4 (GPS)+PoE
6	EUT in Z axis_Scanning R1 (5GHz)+R2 (5GHz)+R5 (6GHz)+R3 (802.15.4)+R4 (GPS)+PoE
7	EUT in Z axis_Scanning R1 (6GHz)+R2 (5GHz)+R5 (6GHz)+R3 (BT)+R4 (GPS)+PoE
8	EUT in Z axis_Scanning R1 (6GHz)+R2 (5GHz)+R5 (6GHz)+R3 (802.15.4)+R4 (GPS)+PoE
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
1. The EUT was performed at X axis, Y axis and Z axis position, and the worst case was found as below. So the measurement will follow this same test configuration. 2. Refer to note 1 for detail operating mode	
1	EUT in Y axis_Scanning R1_2T2S
2	EUT in Y axis_R5_1T1S, 2T1S, 2T2S / EUT in Z axis_4T1S, 4T4S

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains
1	Refer to note 1 for detail operating mode



Note 1: Test Mode

Test Item	Test Mode						
	802.11ax HEW20/40/80/160						
	1T1S	2T1S	2T2S	4T1S	4T4S	TXBF 2T1S	TXBF 4T1S
Emission Bandwidth	V	Note2	V	V	V	V	V
Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	V	Note2	V	V	V	V	V
Peak Power Spectral Density (E.I.R.P.)	V	Note2	V	V	V	V	V
Radiated Emission	V	Note2	V	V	V	V	V
Band Edge Emission	V	Note2	V	V	V	V	V
Emission MASK	V	Note2	V	V	V	V	V

Note 2: 802.11ax HEW20/40/80/160 2T1S CDD mode was covered by 802.11ax HEW20/40/80/160 2T2S, due to
 $2T1S = \min(2T2S, (2T2S - (10 \cdot \log(2/1) - 2T2S \text{ (worst case of PSD/BE/Harmonic) MARGIN})))$.

Note 3: The PoE is for measurement only, would not be marketed.

This information as below:

Power	Brand	Model
PoE	Microsemi	PD-9501-10GC/AC

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.

The program was executed as follows:

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

For Normal Link:

During the test, the EUT operation to normal function.



2.4 Accessories

Accessories
Bracket*1
Sealing Collar*2

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Microsemi	PD-9501-10GC/AC	N/A
B	PD Load	JUNIPER	RXRB-MIB	N/A
C	5G LAN PC	DELL	T3400	N/A
D	2.5G LAN NB	DELL	E6430	N/A
E	WiFi (R2) 5G NB	DELL	E6430	N/A
F	WiFi (R1) 2.4G / 5G / 6E SCAN NB	DELL	E6430	N/A
G	WiFi (R5) 6E NB	DELL	E6430	N/A
H	GPS Simulator	WELNAVIGATE	GS-100	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Microsemi	PD-9501-10GC/AC	N/A
B	PD Load	JUNIPER	RXRB-MIB	N/A
C	5G LAN PC	DELL	T3400	N/A
D	2.5G LAN NB	DELL	E6430	N/A
E	WiFi (R5) 6G NB	DELL	E6430	N/A
F	WiFi (R2) 5G NB	DELL	E6430	N/A
G	WiFi (R1) 2.4G / 5G / 6G SCAN NB	DELL	E6430	N/A
H	GPS Simulator	WELNAVIGATE	GS-100	N/A



For Radiated (above 1GHz) and RF Radiated (Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) and Peak Power Spectral Density (E.I.R.P.):
For Non-beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A

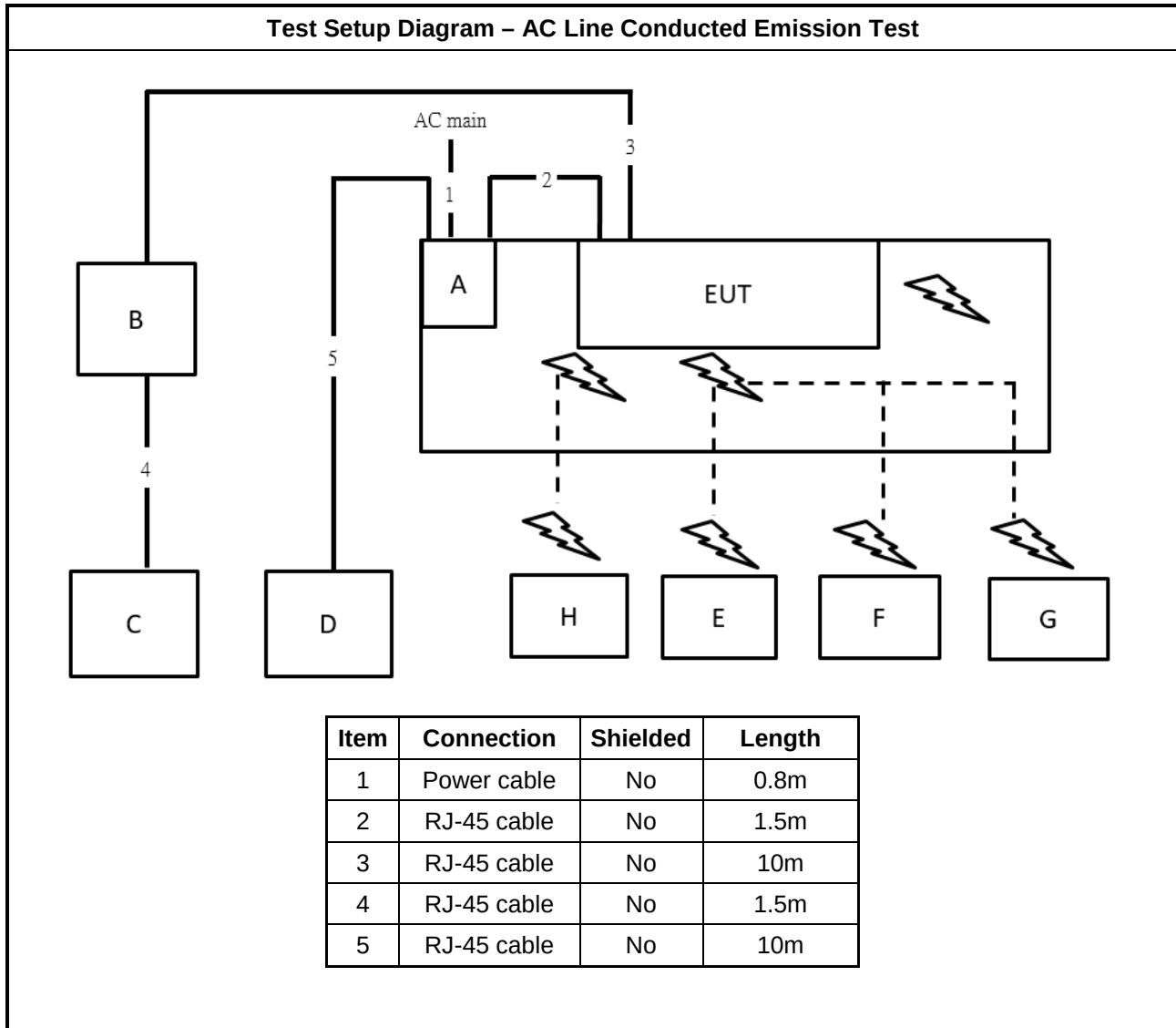
For Beamforming mode:

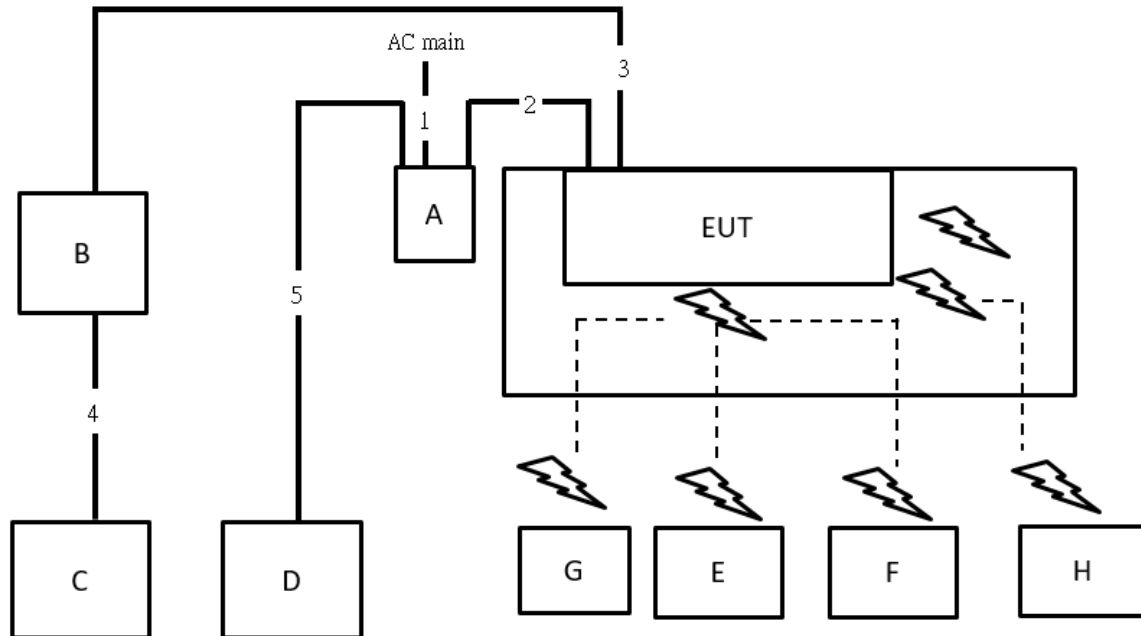
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A
C	NB	DELL	E4300	N/A
D	WLAN module	Intel	AX210NGW	PD9AX210NG

For RF Conducted:

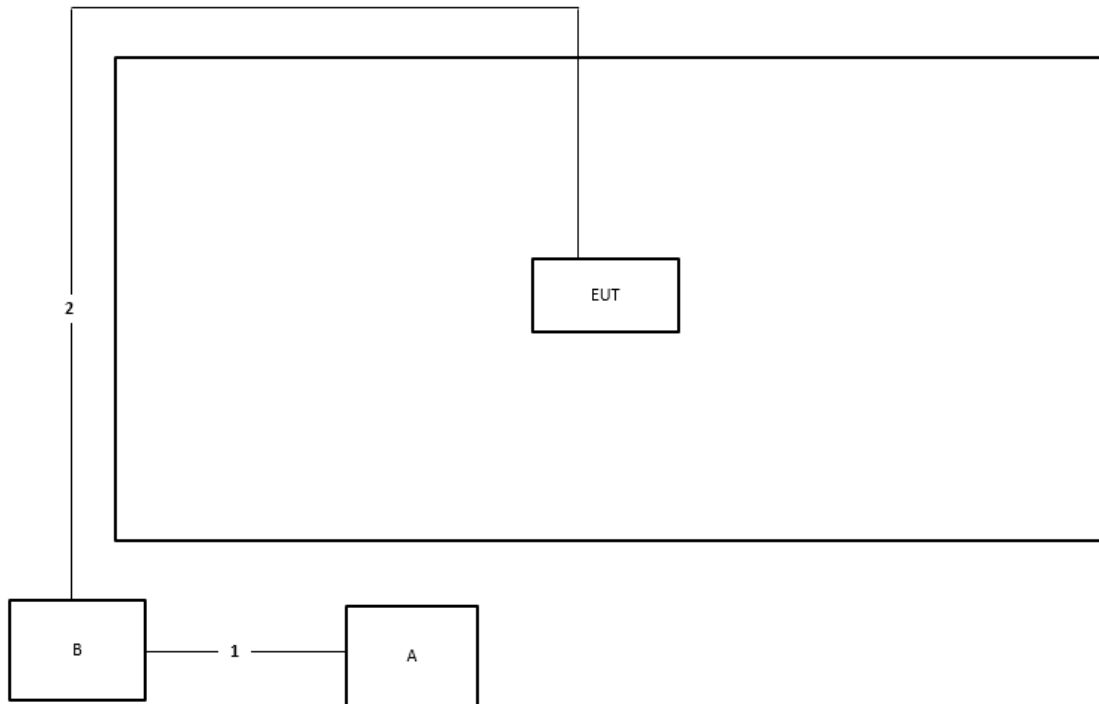
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	NB	DELL	E4300	N/A
B	PoE	Microsemi	PD-9501-10GC/AC	N/A

2.6 Test Setup Diagram

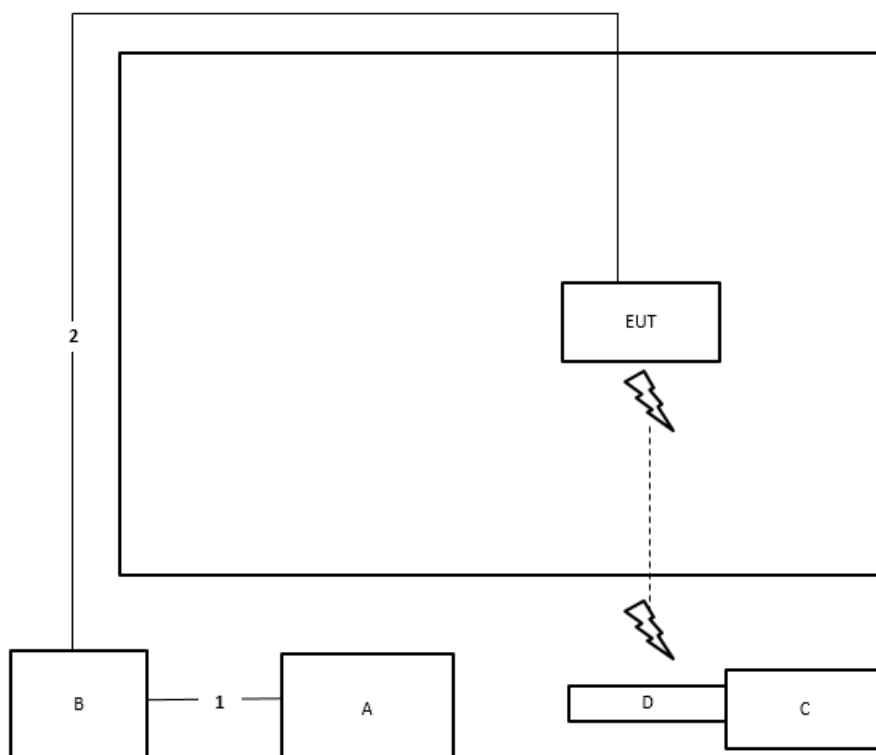


Test Setup Diagram - Radiated Test < 1GHz


Item	Connection	Shielded	Length
1	Power cable	No	0.8m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	10m
4	RJ-45 cable	No	1.5m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz_For Non-beamforming mode


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

Test Setup Diagram - Radiated Test > 1GHz_For Beamforming mode


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

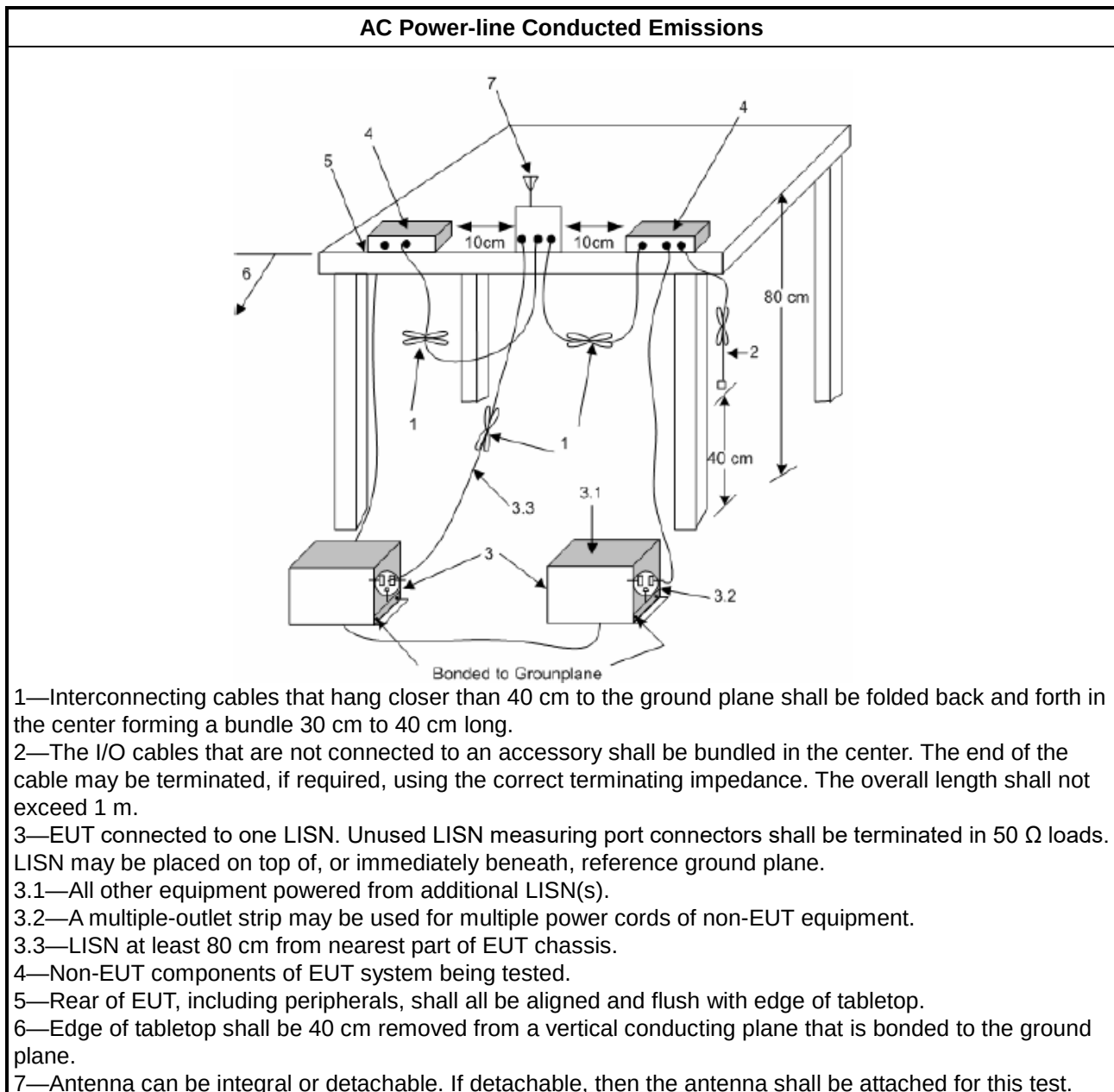
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level
- 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	
UNII Devices	
☒	For the 5925-6425 GHz band, N/A
☐	For the 6425-6525 GHz band, N/A
☒	For the 6525-6875 GHz band, N/A
☐	For the 6875-7125 GHz band, N/A
RLAN Devices	
☐	For the 5925-6425 GHz band, N/A
☐	For the 6425-6525 GHz band, N/A
☐	For the 6525-6875 GHz band, N/A
☐	For the 6875-7125 GHz band, N/A

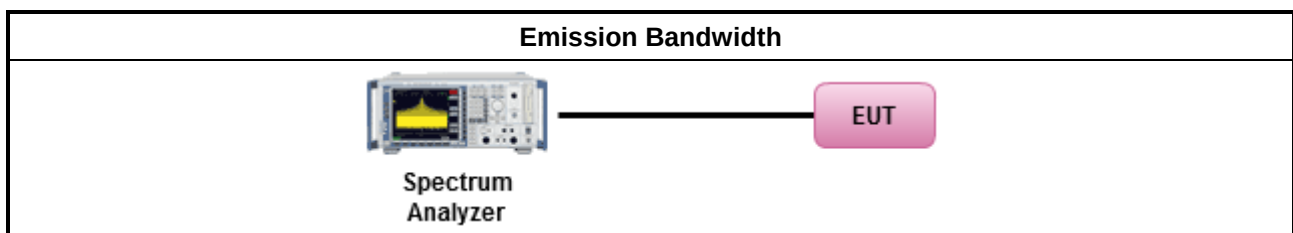
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
☒	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.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



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

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

Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Limit	
UNII Devices	
☒ For the 5.925 ~ 6.425 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☐ For the 6.425 ~ 6.525 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☒ For the 6.525 ~ 6.875 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☐ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 30 dBm .
	■ For low-power client devices < 24 dBm.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For standard client devices < 30 dBm.

3.3.2 Measuring Instruments

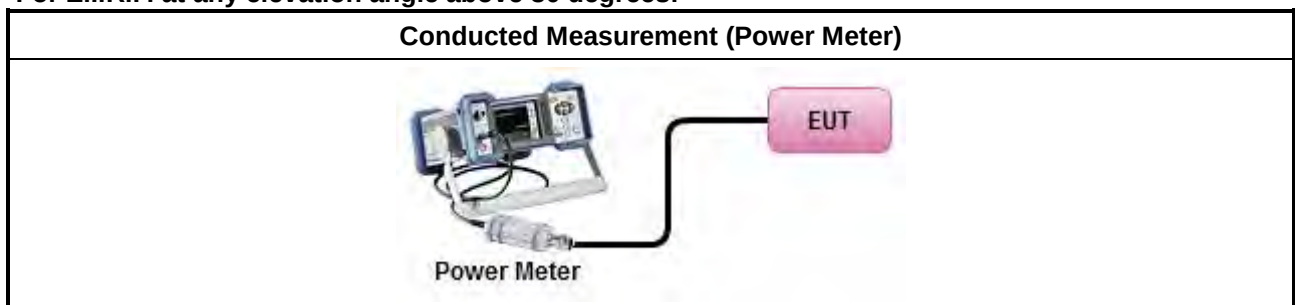
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

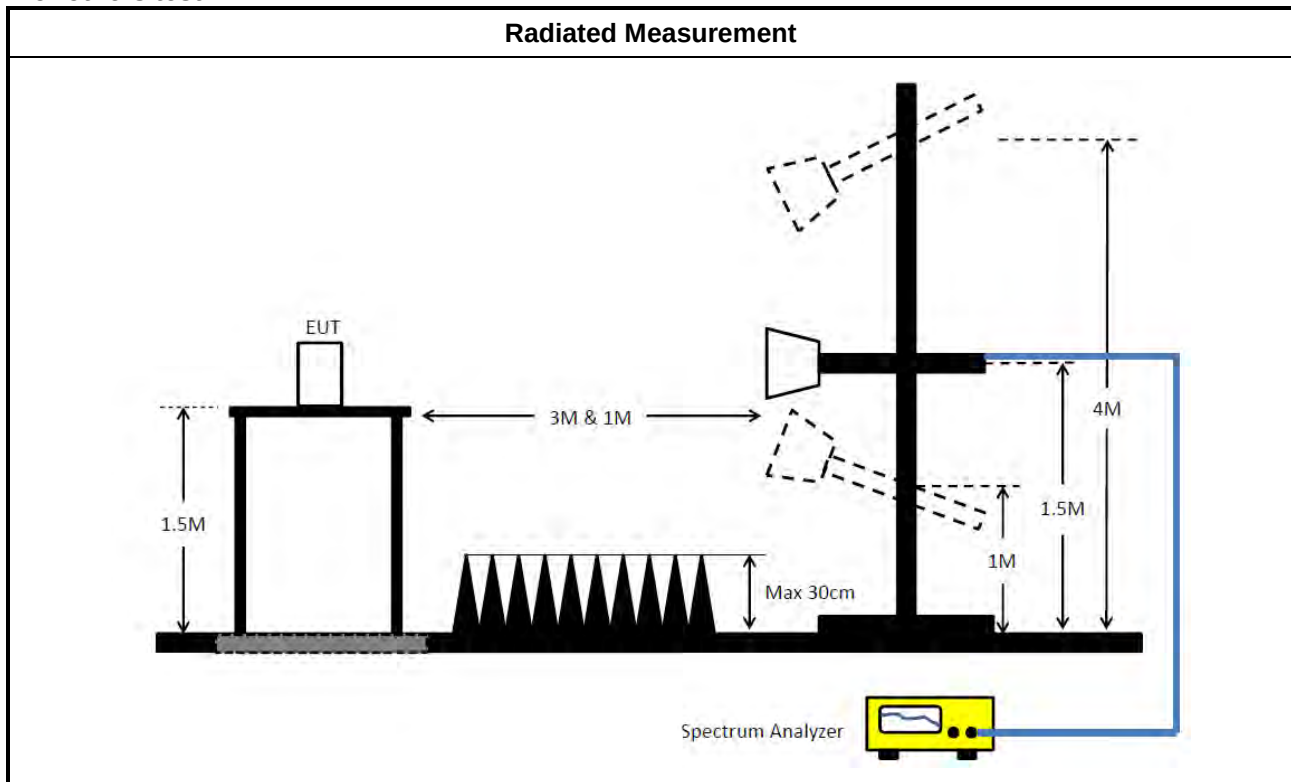
Test Method	
According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
Average over on/off periods with duty factor	
☒	For others test Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.
☐	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	
☒	For E.I.R.P. at any elevation angle above 30 degrees Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒ For conducted measurement.	
If the EUT supports multiple transmit chains using options given below: Refer as FCC KDB 662911, In-band power measurements. Using the measure-and-sum approach, measured all transmit ports individually. Sum the power (in linear power units e.g., mW) of all ports for each individual sample and save them.	
If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$	
☒ For radiated measurement.	
Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"	
Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.	
Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.	

3.3.4 Test Setup

For E.I.R.P. at any elevation angle above 30 degrees:



For others test:



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	
UNII Devices	
☒ For the 5.925 ~ 6.425 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☐ For the 6.425 ~ 6.525 GHz band:	
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☒ For the 6.525 ~ 6.875 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
☐ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
	■ For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 5 dBm / MHz.
	■ For low-power client devices < -1 dBm / MHz.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 23 dBm / MHz.
	■ For standard client devices < 17 dBm / MHz.

3.4.2 Measuring Instruments

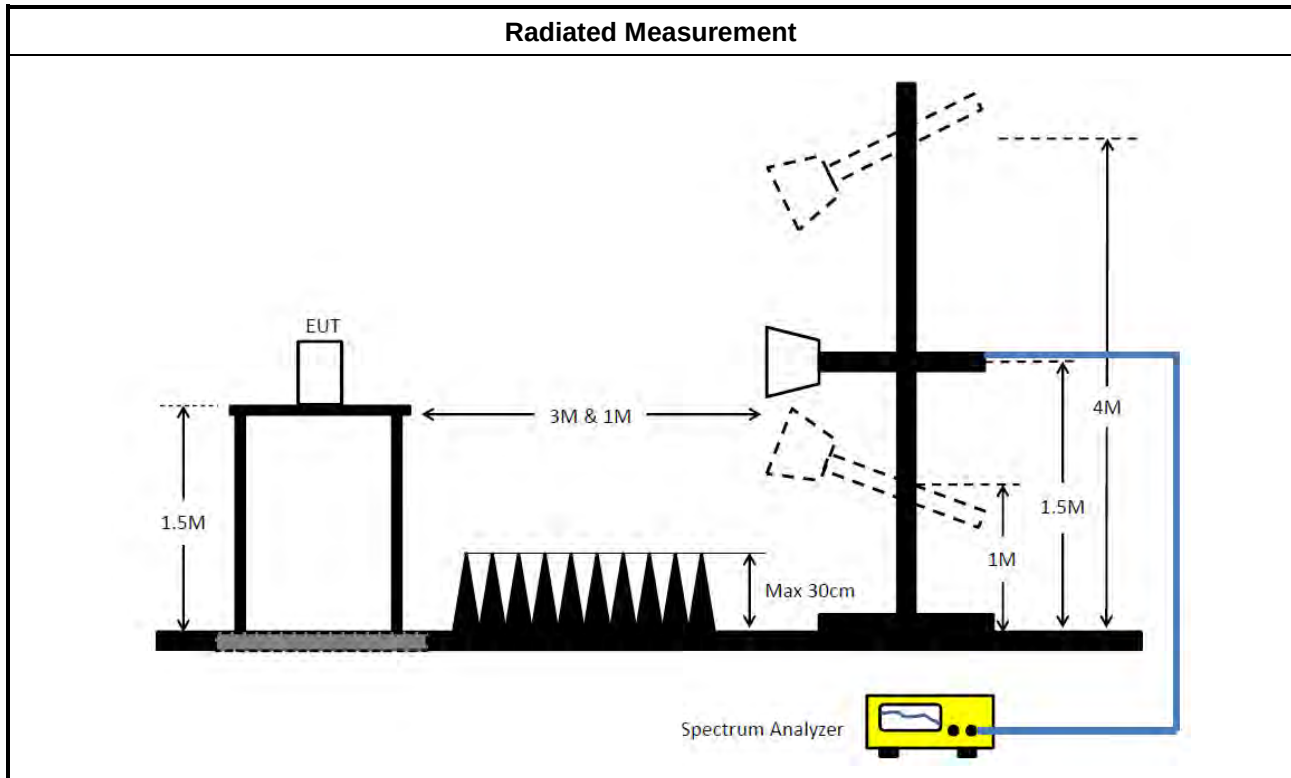
Refer a test equipment and calibration data table in this test report.

**3.4.3 Test Procedures**

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

☒	For radiated measurement.
☐	Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
☐	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
☐	Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.4.4 Test Setup



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

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

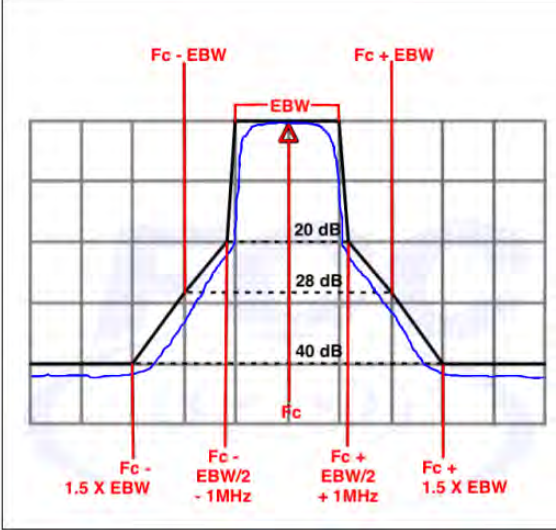
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
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) = $54\text{dBuV/m at 3m} + 9.54\text{dB} = 63.54\text{dBuV/m at 1m}$.

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) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{dBuV/m at 1m}$. Note 2:-27 dBm EIRP OOBE 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	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. 



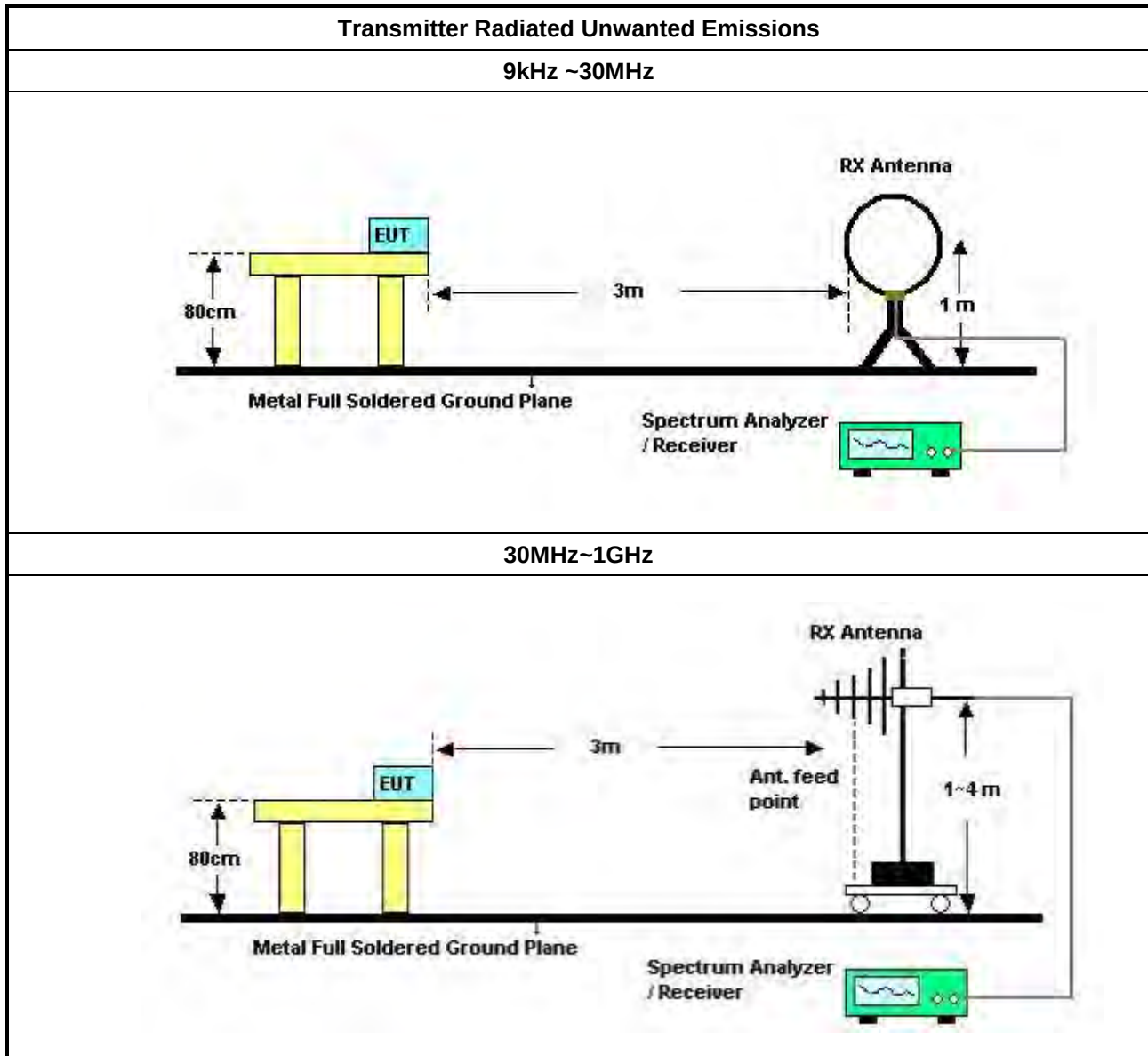
3.5.2 Measuring Instruments

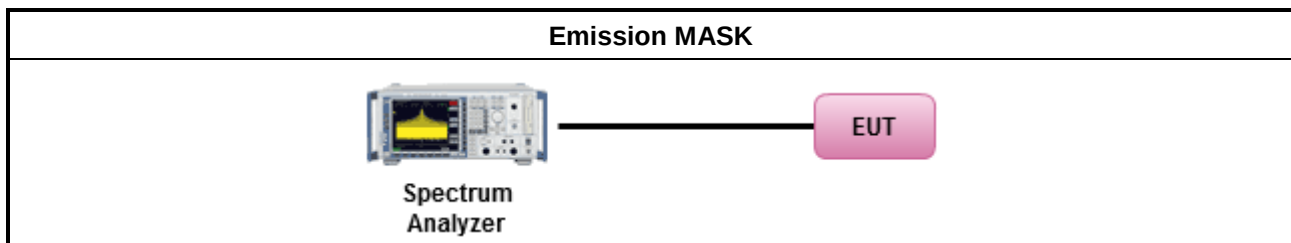
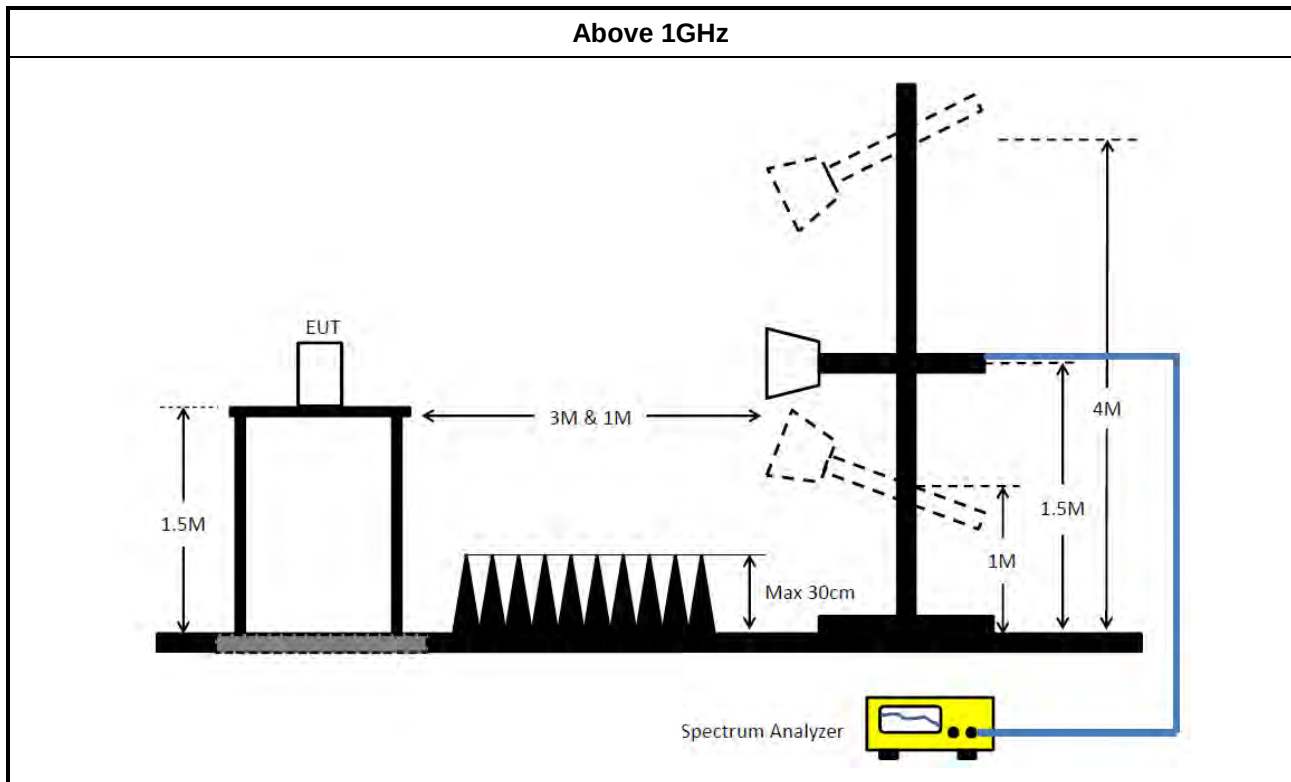
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
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).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	☐ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☒ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.(For restricted band average measurement)
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.	
For emission MASK shall be measured using following options below:	
	☒ Refer as FCC KDB 987594 D02, J) In-Band Emissions
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde& Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 18, 2022	May 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (10CH01-CB)
10m Semi Anechoic Chamber NSA	TDK	SAC-10M	10CH01-CB	30MHz~1GHz 10m,3m	Jan. 27, 2022	Jan. 26, 2023	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10783	9kHz ~ 1.3GHz	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Amplifier	Agilent	8447D	2944A10784	9kHz ~ 1.3GHz	Mar. 11, 2022	Mar. 10, 2023	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-01	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
Low Cable	Woken	SUCOFLEX 104	low cable-02	25MHz ~ 1GHz	Oct. 19, 2021	Oct. 18, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde& Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 12, 2021	Jul. 11, 2022	Radiation (10CH01-CB)
EMI Test Receiver	Rohde& Schwarz	ESCI	100186	9kHz ~ 3GHz	Jul. 11, 2022	Jul. 10, 2023	Radiation (10CH01-CB)
Spectrum Analyzer	Rohde& Schwarz	FSV30	101026	9kHz ~ 30GHz	Apr. 22, 2022	Apr. 21, 2023	Radiation (10CH01-CB)
Bilog Antenna with 6dB Attenuator	Chase & EMCI	CBL6111A &N-6-06	1543 &AT-N0609	30MHz ~ 1GHz	Jul. 01, 2021	Jun. 30, 2022	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. 20, 2021	Oct. 19, 2022	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	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)



Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 21, 2023	Apr. 20, 2024	Conducted (TH02-CB)
Power Sensor	Anritsu	MA2411B	1531343	300MHz~40GHz	Aug. 23, 2023	Aug. 22, 2024	Conducted (TH02-CB)
Power Meter	Anritsu	ML2495A	1728001	300MHz~40GHz	Aug. 23, 2023	Aug. 22, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-01	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-02	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-03	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-04	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH02-CB)
RF Cable-high	Woken	RG402	High Cable-05	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH02-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-01	1GHz ~ 7.4GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Band Rejector	MTJ	6G Band Rejector	6G-BRJ-01	1 ~ 18GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Band Rejector	MTJ	6G Band Rejector	CB6G-BRJ-02	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)



RADIO TEST REPORT

Report No. : FR251735-13AB

Band Rejector	MTJ	6G Band Rejector	6G-BRJ-02	1 ~ 18GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH02-CB)
Switch	SPTCB	SP-SWI	SWI-02	1 –26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH02-CB)

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



Conducted Emissions at Powerline

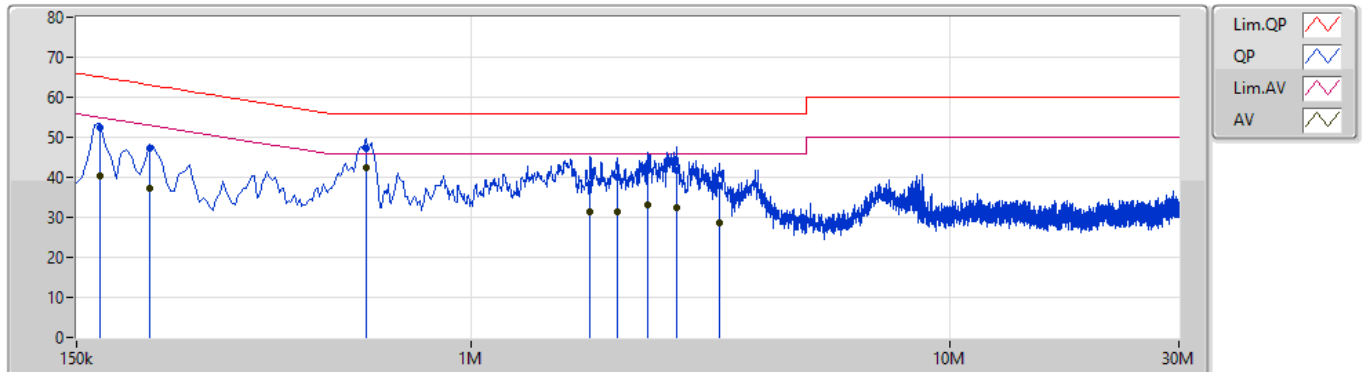
Appendix A

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 3	Pass	AV	604.5k	42.51	46.00	-3.49	Line

Mode 3

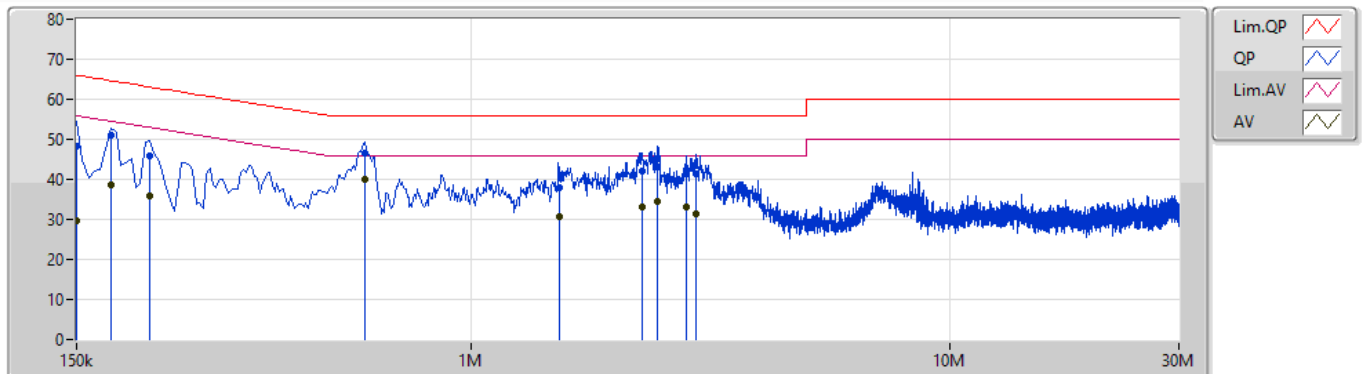
30/05/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	168k	52.47	65.06	-12.59	9.99	Line	-	42.48	0.06	0.04	9.89			
AV	168k	40.32	55.06	-14.74	9.99	Line	-	30.33	0.06	0.04	9.89			
QP	213k	47.23	63.09	-15.86	9.99	Line	-	37.24	0.06	0.04	9.89			
AV	213k	37.29	53.09	-15.80	9.99	Line	-	27.30	0.06	0.04	9.89			
QP	604.5k	47.13	56.00	-8.87	10.00	Line	-	37.13	0.06	0.05	9.89			
AV	604.5k	42.51	46.00	-3.49	10.00	Line	"Worst"	32.51	0.06	0.05	9.89			
QP	1.77M	38.43	56.00	-17.57	10.06	Line	-	28.37	0.09	0.08	9.89			
AV	1.77M	31.23	46.00	-14.77	10.06	Line	-	21.17	0.09	0.08	9.89			
QP	2.013M	40.03	56.00	-15.97	10.07	Line	-	29.96	0.09	0.09	9.89			
AV	2.013M	31.36	46.00	-14.64	10.07	Line	-	21.29	0.09	0.09	9.89			
QP	2.342M	41.63	56.00	-14.37	10.08	Line	-	31.55	0.10	0.09	9.89			
AV	2.342M	33.01	46.00	-12.99	10.08	Line	-	22.93	0.10	0.09	9.89			
QP	2.684M	41.87	56.00	-14.13	10.08	Line	-	31.79	0.10	0.09	9.89			
AV	2.684M	32.42	46.00	-13.58	10.08	Line	-	22.34	0.10	0.09	9.89			
QP	3.296M	37.98	56.00	-18.02	10.10	Line	-	27.88	0.11	0.10	9.89			
AV	3.296M	28.71	46.00	-17.29	10.10	Line	-	18.61	0.11	0.10	9.89			

Mode 3

30/05/2022



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	150k	48.44	66.00	-17.56	10.00	Neutral	-	38.44	0.07	0.04	9.89			
AV	150k	29.80	56.00	-26.20	10.00	Neutral	-	19.80	0.07	0.04	9.89			
QP	177k	51.05	64.62	-13.57	10.00	Neutral	-	41.05	0.07	0.04	9.89			
AV	177k	38.72	54.62	-15.90	10.00	Neutral	-	28.72	0.07	0.04	9.89			
QP	213k	45.72	63.09	-17.37	10.00	Neutral	-	35.72	0.07	0.04	9.89			
AV	213k	35.74	53.09	-17.35	10.00	Neutral	-	25.74	0.07	0.04	9.89			
QP	600k	46.63	56.00	-9.37	10.01	Neutral	-	36.62	0.07	0.05	9.89			
AV	600k	39.97	46.00	-6.03	10.01	Neutral	"Worst"	29.96	0.07	0.05	9.89			
QP	1.523M	37.97	56.00	-18.03	10.05	Neutral	-	27.92	0.09	0.07	9.89			
AV	1.523M	30.57	46.00	-15.43	10.05	Neutral	-	20.52	0.09	0.07	9.89			
QP	2.27M	41.92	56.00	-14.08	10.09	Neutral	-	31.83	0.11	0.09	9.89			
AV	2.27M	32.94	46.00	-13.06	10.09	Neutral	-	22.85	0.11	0.09	9.89			
QP	2.454M	43.04	56.00	-12.96	10.09	Neutral	-	32.95	0.11	0.09	9.89			
AV	2.454M	34.41	46.00	-11.59	10.09	Neutral	-	24.32	0.11	0.09	9.89			
QP	2.805M	42.34	56.00	-13.66	10.09	Neutral	-	32.25	0.11	0.09	9.89			
AV	2.805M	33.15	46.00	-12.85	10.09	Neutral	-	23.06	0.11	0.09	9.89			
QP	2.945M	41.52	56.00	-14.48	10.11	Neutral	-	31.41	0.12	0.10	9.89			
AV	2.945M	31.49	46.00	-14.51	10.11	Neutral	-	21.38	0.12	0.10	9.89			

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_Nss2,(MCS0)_2TX	22.715M	19.19M	19M2D1D	21.12M	18.988M
802.11ax HEW40_Nss2,(MCS0)_2TX	41.8M	37.897M	37M9D1D	40.04M	37.667M
802.11ax HEW80_Nss2,(MCS0)_2TX	83.82M	77.615M	77M6D1D	80.3M	76.992M
802.11ax HEW160_Nss2,(MCS0)_2TX	163.24M	156.677M	157MD1D	161.92M	155.746M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	22.055M	19.13M	19M1D1D	20.79M	18.995M
802.11ax HEW40_Nss2,(MCS0)_2TX	42.13M	37.969M	38M0D1D	40.04M	37.698M
802.11ax HEW80_Nss2,(MCS0)_2TX	81.4M	77.536M	77M5D1D	80.3M	77.26M
802.11ax HEW160_Nss2,(MCS0)_2TX	162.36M	156.297M	156MD1D	162.36M	155.73M

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)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	21.285M	19.19M	22.715M	18.988M
6195MHz	Pass	Inf	21.615M	19.021M	21.12M	19.006M
6415MHz	Pass	Inf	22M	19.014M	22.33M	19.028M
6535MHz	Pass	Inf	21.395M	19.029M	21.45M	19.023M
6695MHz	Pass	Inf	20.79M	18.995M	21.56M	19.13M
6855MHz	Pass	Inf	22.055M	19.039M	20.845M	19.086M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	40.04M	37.754M	40.26M	37.814M
6205MHz	Pass	Inf	41.8M	37.897M	41.03M	37.8M
6405MHz	Pass	Inf	40.59M	37.667M	41.25M	37.771M
6565MHz	Pass	Inf	42.13M	37.957M	40.04M	37.698M
6685MHz	Pass	Inf	41.14M	37.821M	40.92M	37.969M
6845MHz	Pass	Inf	40.92M	37.781M	40.7M	37.856M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	80.52M	76.992M	83.6M	77.075M
6225MHz	Pass	Inf	82.72M	77.147M	81.18M	77.183M
6385MHz	Pass	Inf	83.82M	77.615M	80.3M	77.408M
6625MHz	Pass	Inf	80.3M	77.536M	81.4M	77.327M
6705MHz	Pass	Inf	80.74M	77.379M	80.74M	77.26M
6785MHz	Pass	Inf	81.4M	77.311M	81.18M	77.429M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	163.24M	156.177M	161.92M	155.874M
6185MHz	Pass	Inf	161.92M	155.746M	162.36M	156.206M
6345MHz	Pass	Inf	161.92M	156.677M	162.36M	156.176M
6665MHz	Pass	Inf	162.36M	155.73M	162.36M	156.297M

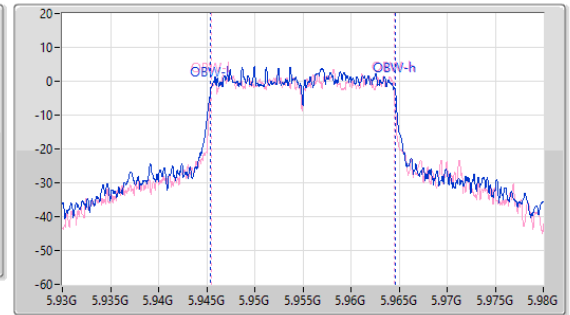
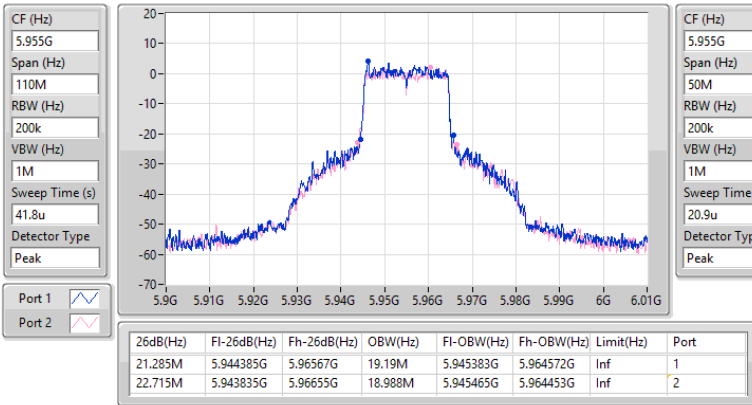
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

5955MHz

12/09/2023

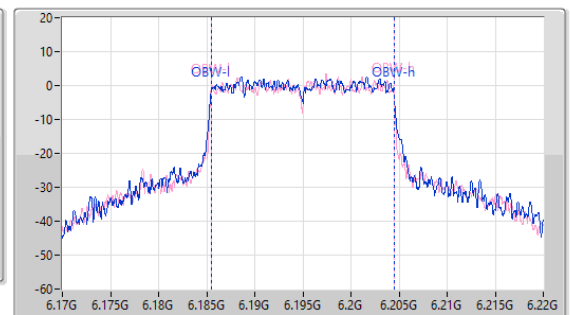
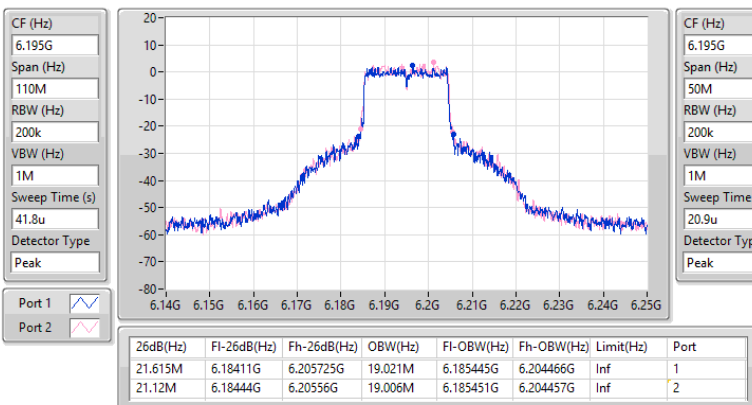


5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

6195MHz

12/09/2023

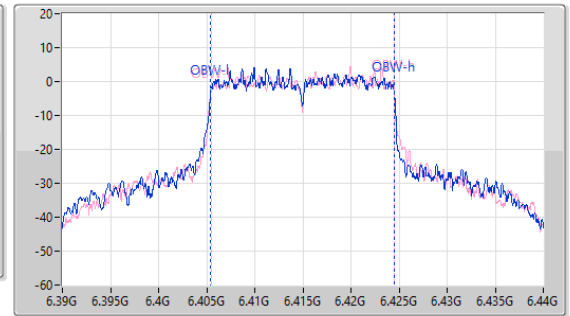
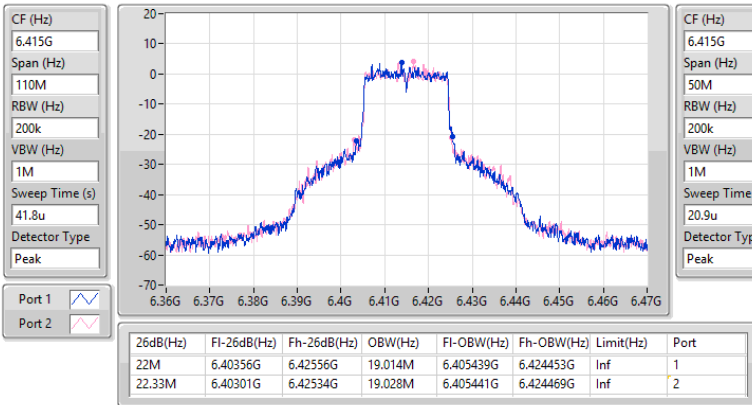


5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

6415MHz

12/09/2023

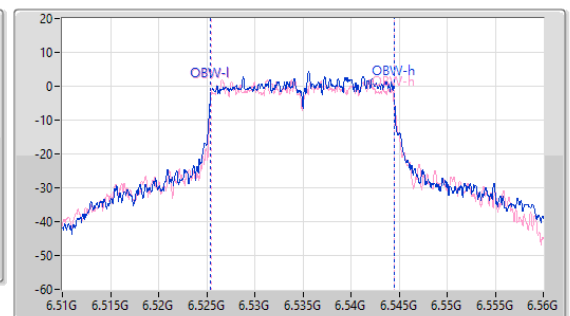
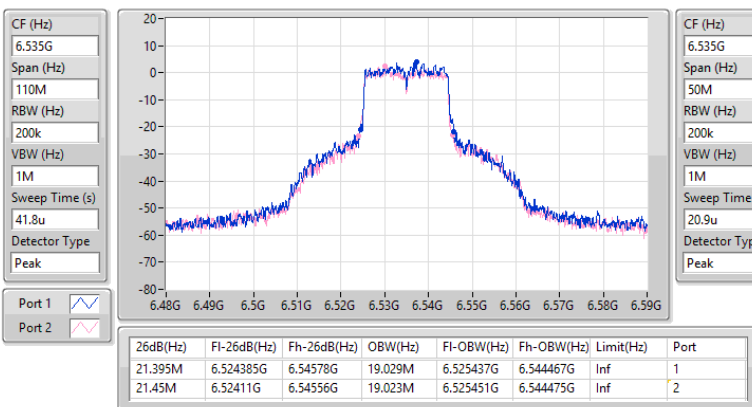


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

6535MHz

12/09/2023

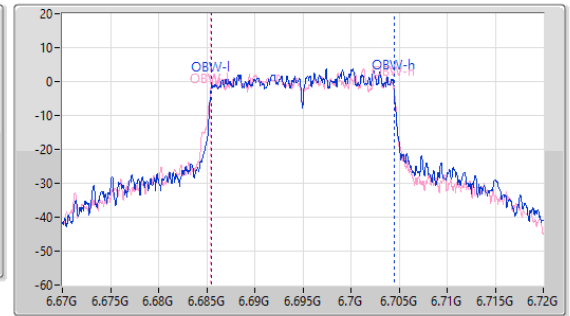
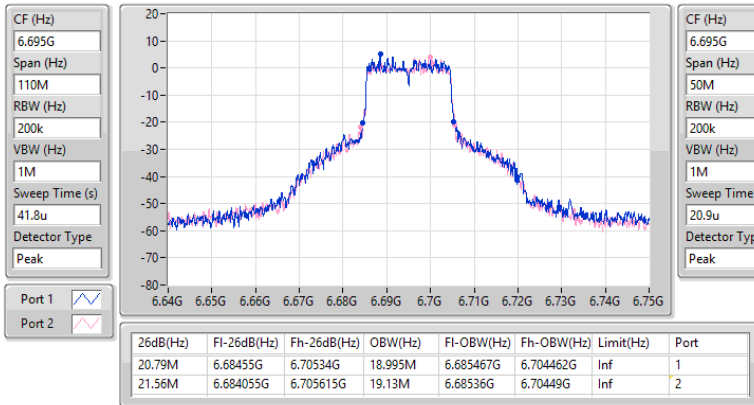


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

6695MHz

12/09/2023

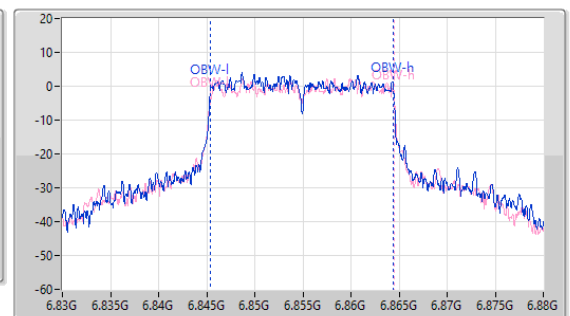
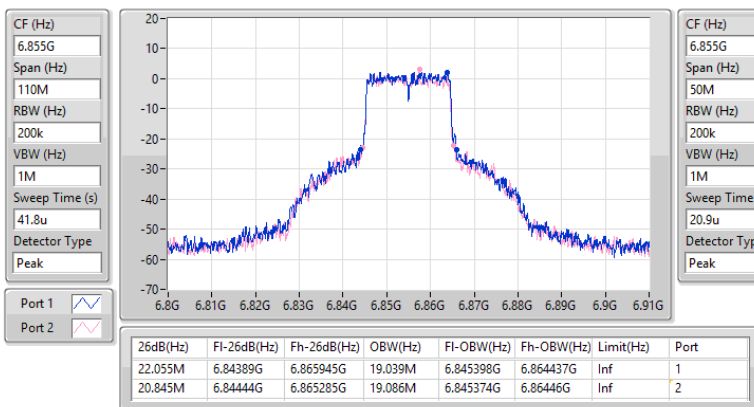


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

6855MHz

12/09/2023

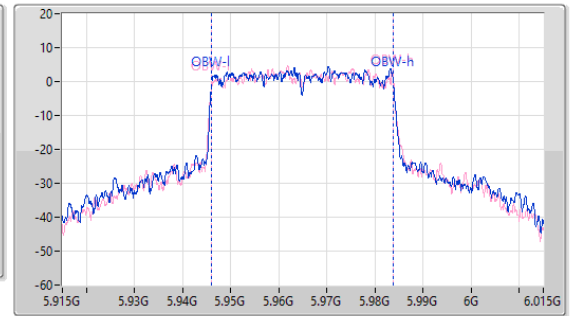
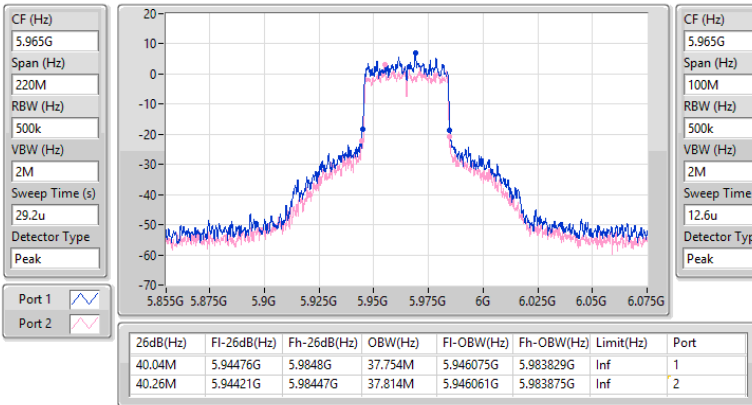


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

5965MHz

12/09/2023

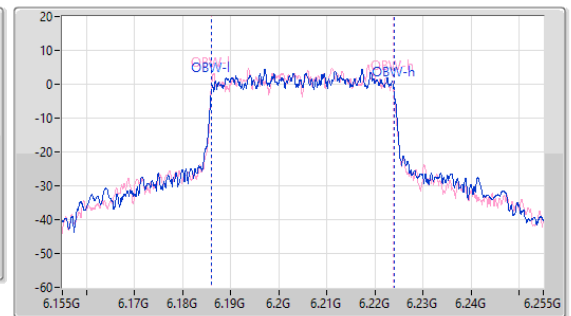
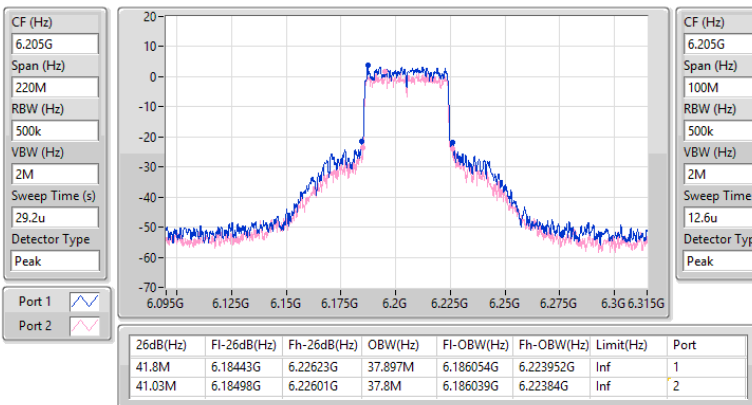


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

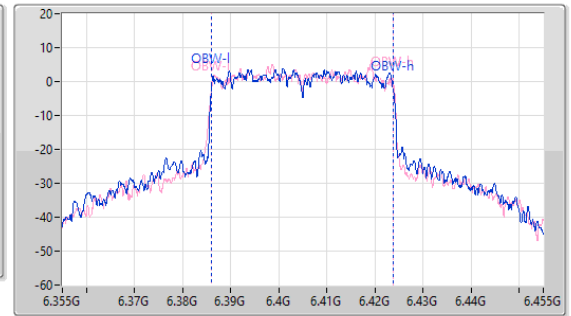
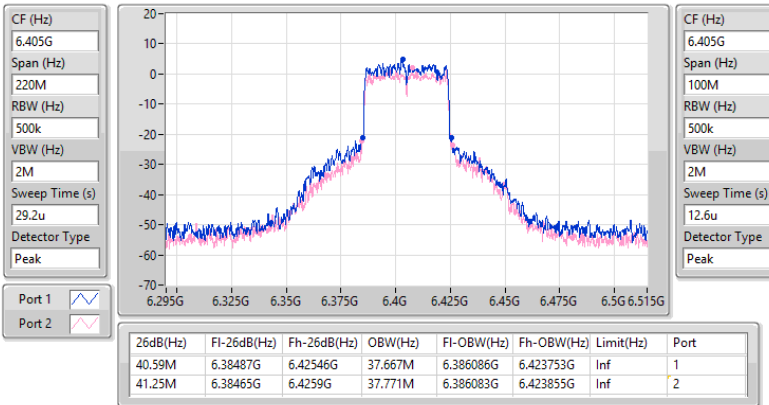
6205MHz

13/09/2023

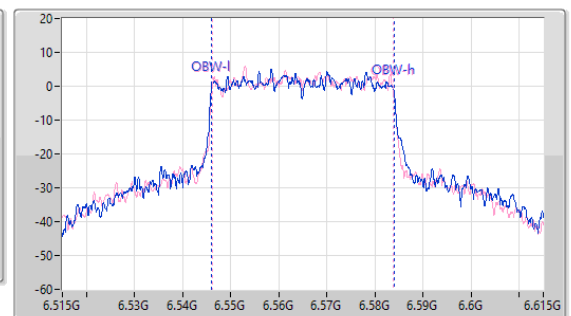
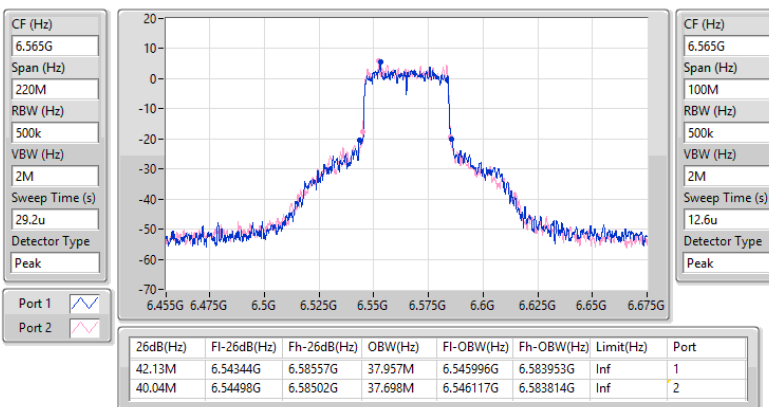


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6405MHz

13/09/2023


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6565MHz

13/09/2023

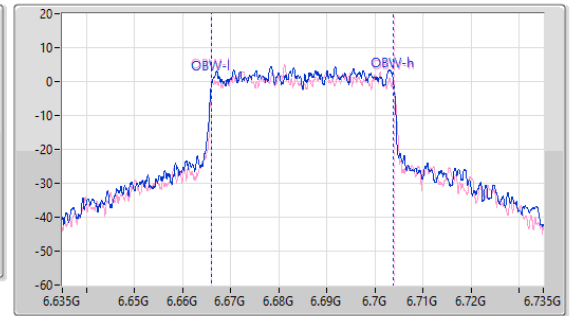
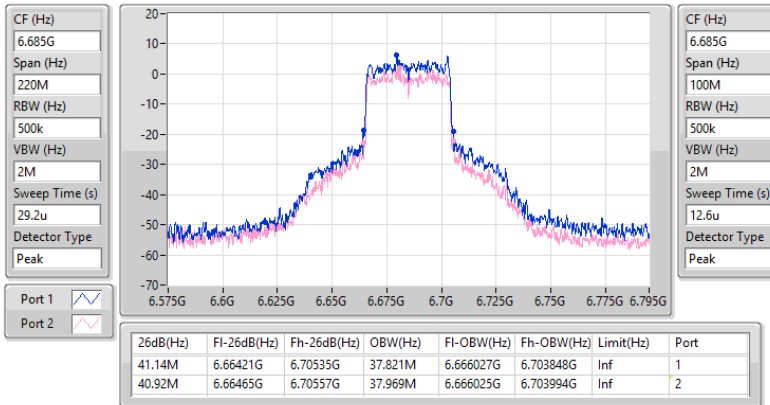


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

6685MHz

13/09/2023

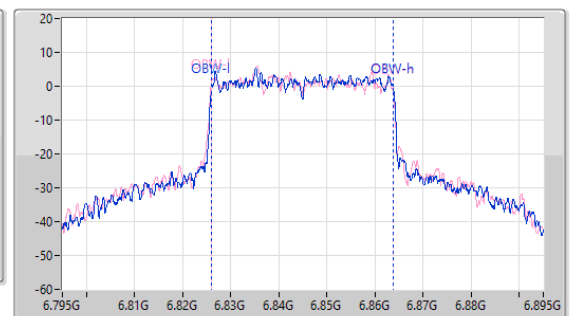
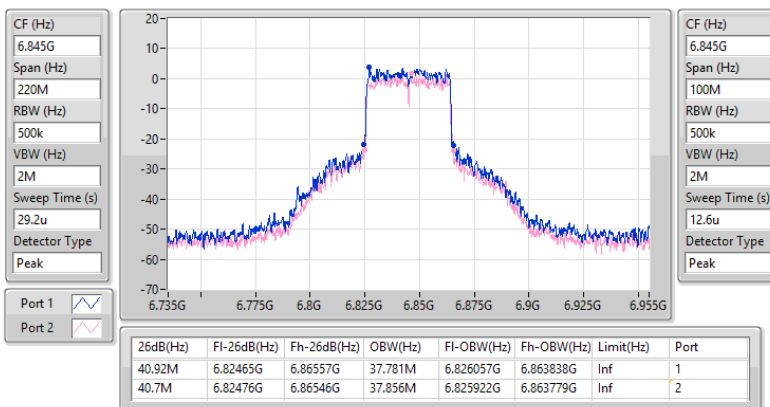


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

6845MHz

13/09/2023

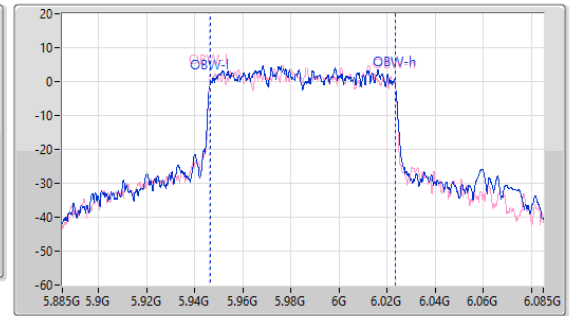
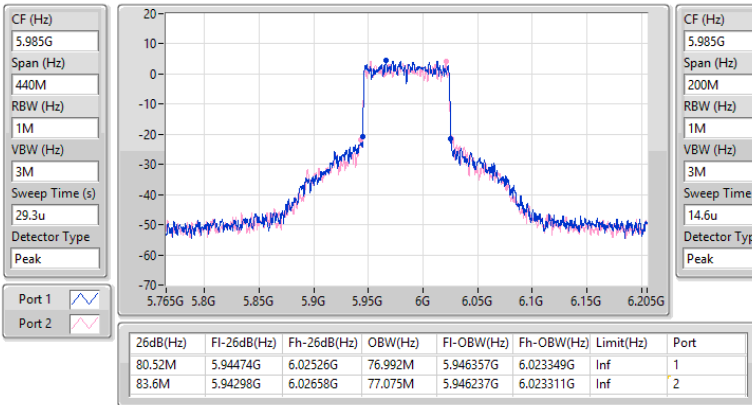


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

5985MHz

13/09/2023

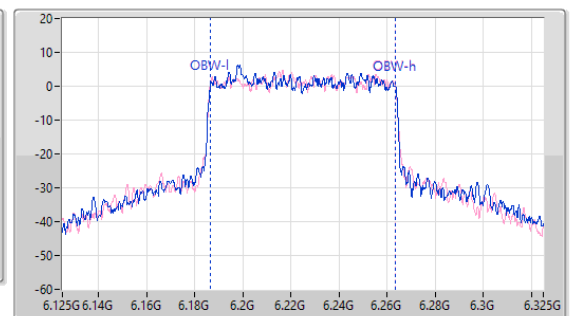
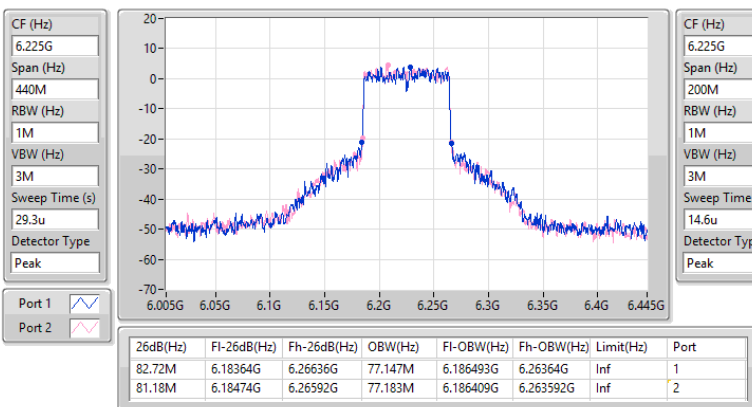


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

6225MHz

13/09/2023

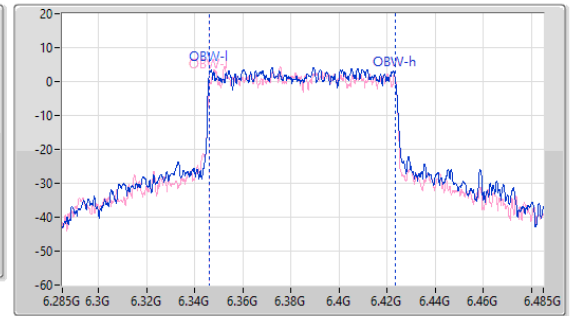
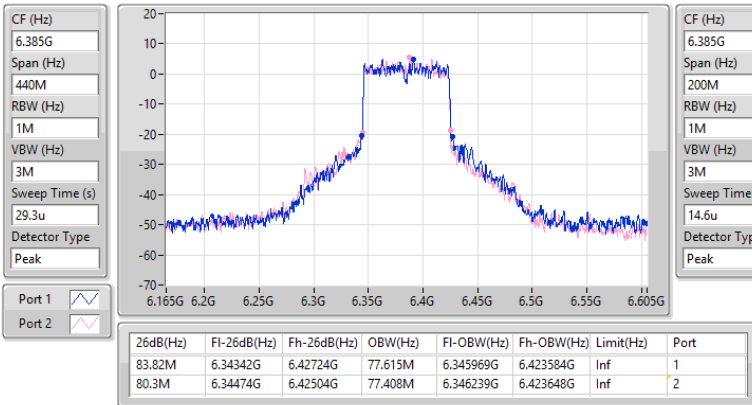


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

6385MHz

13/09/2023

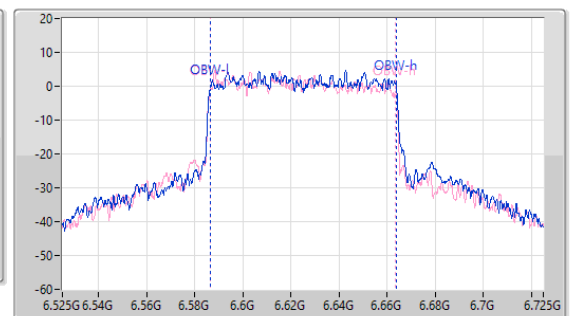
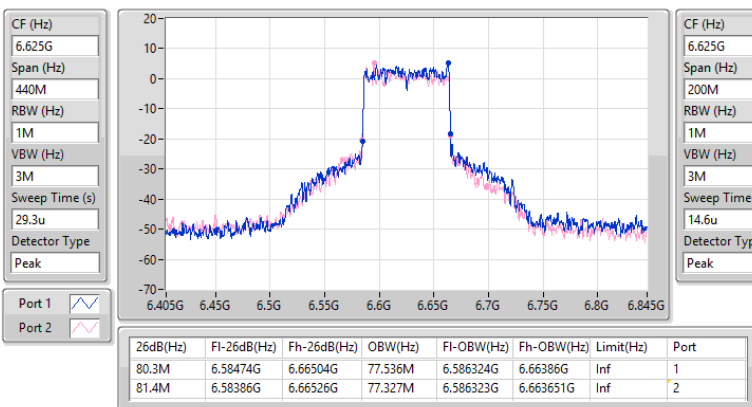


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

6625MHz

13/09/2023

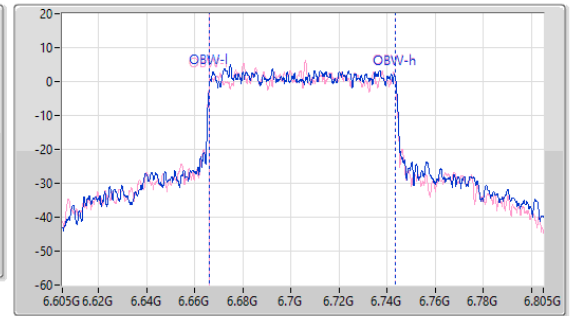
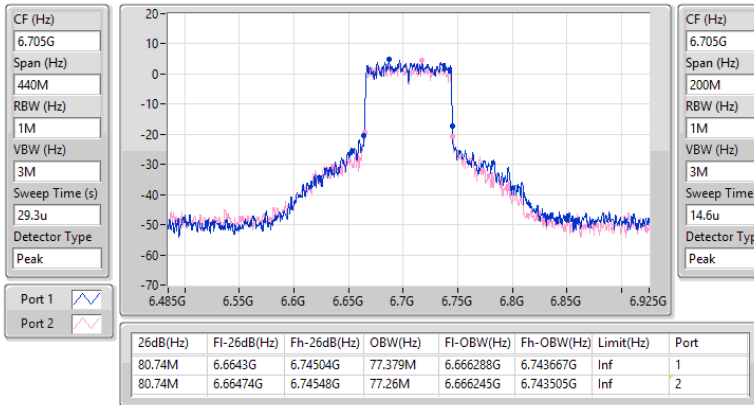


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

6705MHz

13/09/2023

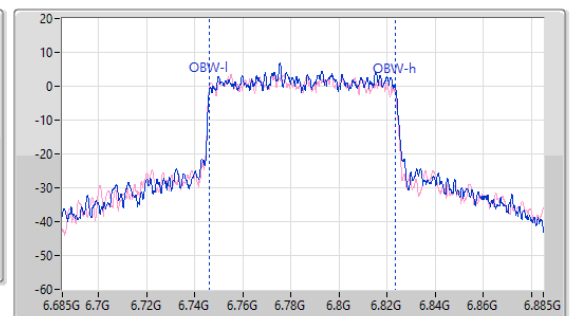
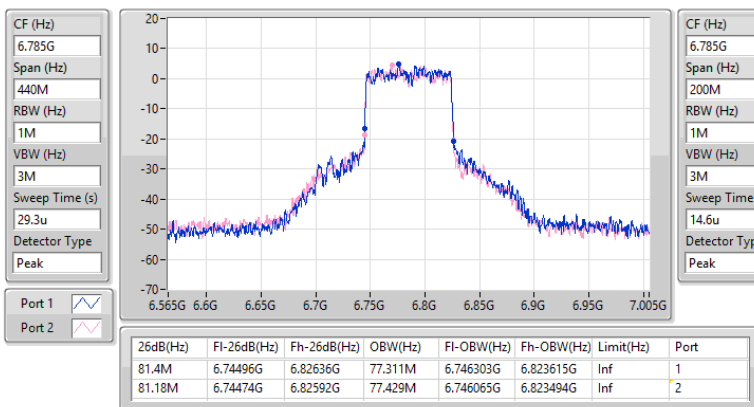


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

6785MHz

13/09/2023

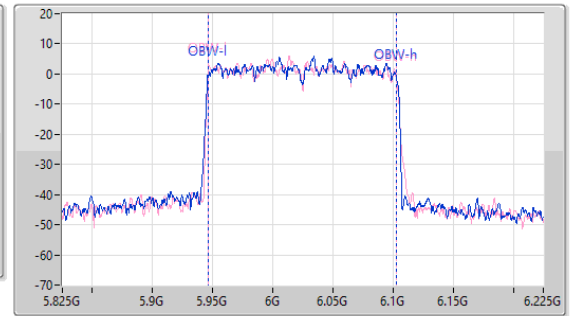
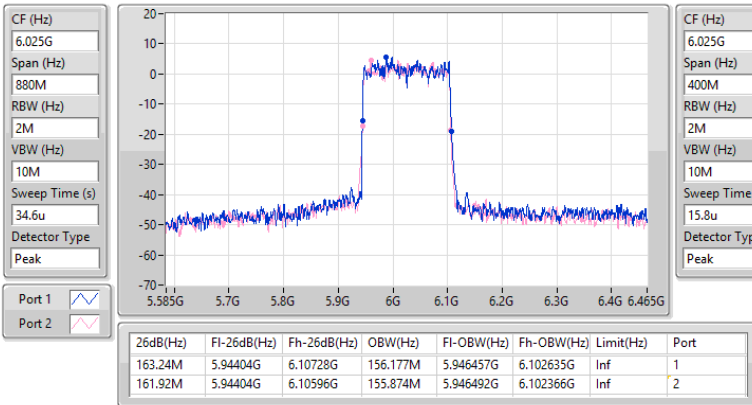


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

6025MHz

13/09/2023

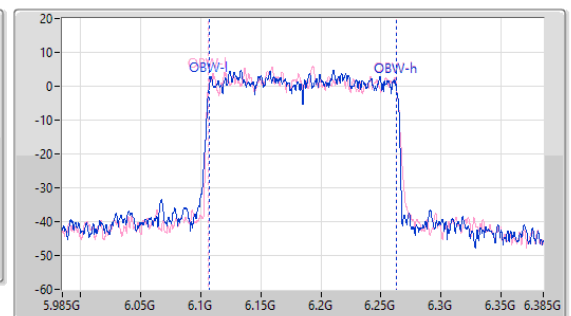
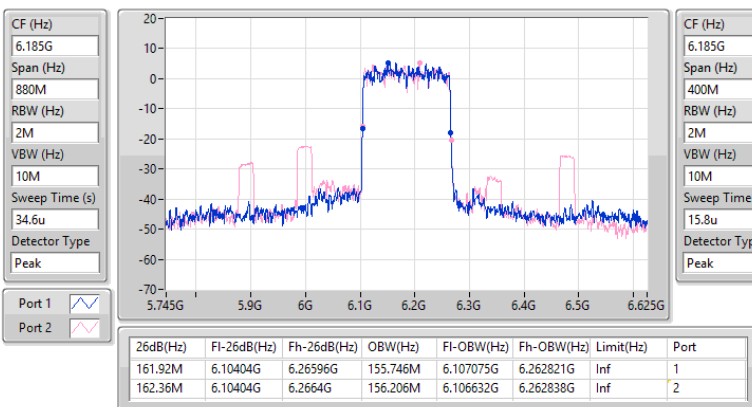


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

6185MHz

13/09/2023

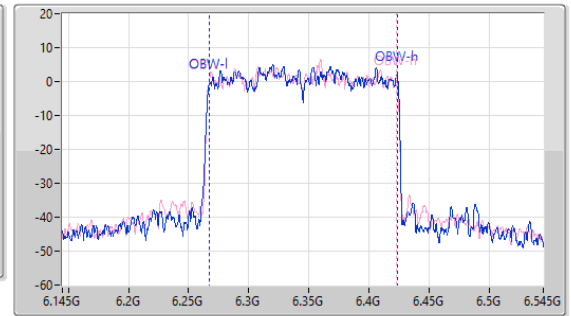
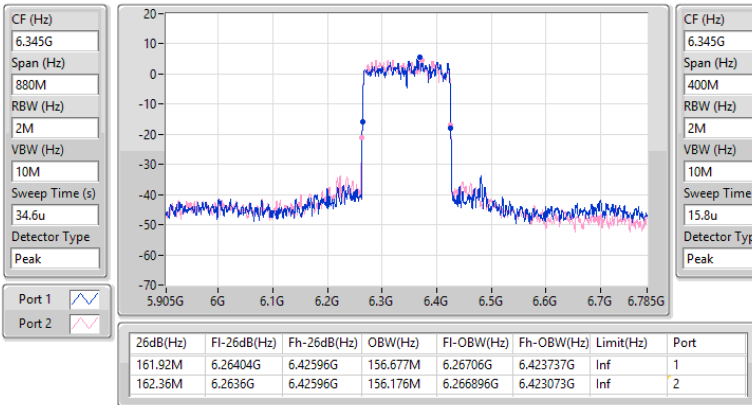


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

6345MHz

13/09/2023

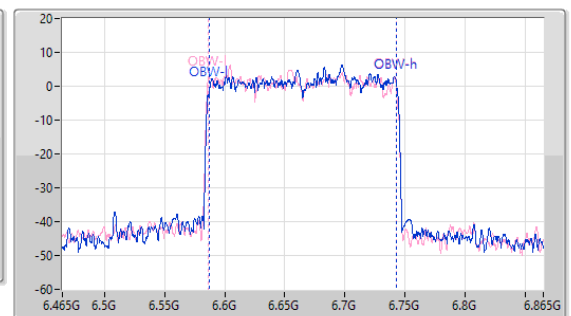
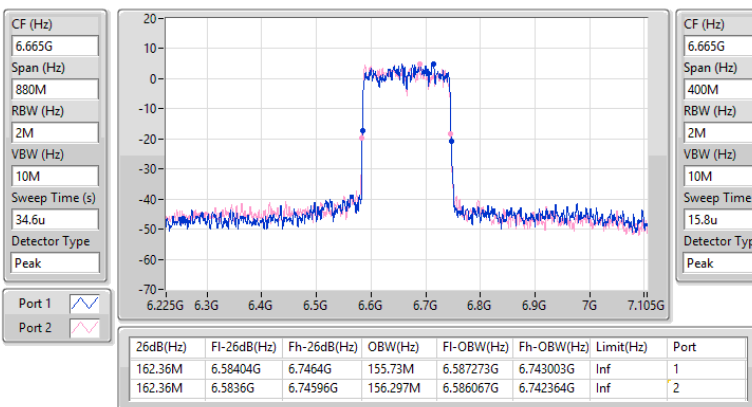


6.525-6.875GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

6665MHz

13/09/2023



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	24.09M	19.092M	19M1D1D	21.12M	19.063M
802.11ax HEW40_Nss1,(MCS0)_1TX	43.89M	37.85M	37M9D1D	41.58M	37.798M
802.11ax HEW80_Nss1,(MCS0)_1TX	84.26M	77.459M	77M5D1D	82.5M	77.276M
802.11ax HEW160_Nss1,(MCS0)_1TX	308.44M	157.439M	157MD1D	261.36M	157.176M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	22.715M	19.088M	19M1D1D	22.22M	19.034M
802.11ax HEW40_Nss1,(MCS0)_1TX	42.35M	37.865M	37M9D1D	40.81M	37.754M
802.11ax HEW80_Nss1,(MCS0)_1TX	97.46M	77.503M	77M5D1D	88.44M	77.334M
802.11ax HEW160_Nss1,(MCS0)_1TX	306.24M	157.724M	158MD1D	306.24M	157.724M

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

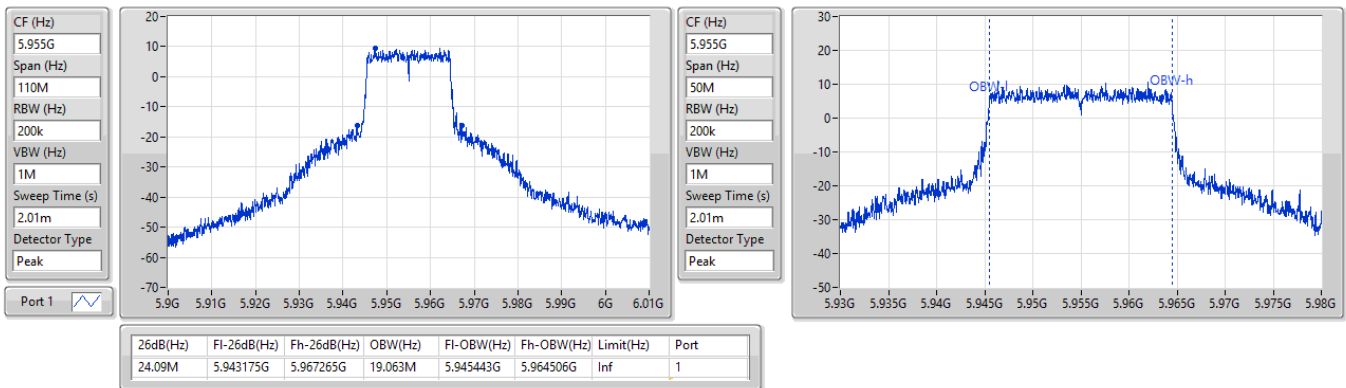
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	24.09M	19.063M
6195MHz	Pass	Inf	21.12M	19.092M
6415MHz	Pass	Inf	21.45M	19.074M
6535MHz	Pass	Inf	22.715M	19.059M
6695MHz	Pass	Inf	22.22M	19.034M
6855MHz	Pass	Inf	22.66M	19.088M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5965MHz	Pass	Inf	41.58M	37.805M
6205MHz	Pass	Inf	41.69M	37.798M
6405MHz	Pass	Inf	43.89M	37.85M
6565MHz	Pass	Inf	42.24M	37.754M
6685MHz	Pass	Inf	42.35M	37.865M
6845MHz	Pass	Inf	40.81M	37.813M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5985MHz	Pass	Inf	83.38M	77.459M
6225MHz	Pass	Inf	84.26M	77.308M
6385MHz	Pass	Inf	82.5M	77.276M
6625MHz	Pass	Inf	89.32M	77.405M
6705MHz	Pass	Inf	88.44M	77.334M
6785MHz	Pass	Inf	97.46M	77.503M
6785MHz	Pass	Inf	97.46M	77.503M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
6025MHz	Pass	Inf	261.36M	157.176M
6185MHz	Pass	Inf	308.44M	157.439M
6345MHz	Pass	Inf	304.04M	157.231M
6665MHz	Pass	Inf	306.24M	157.724M

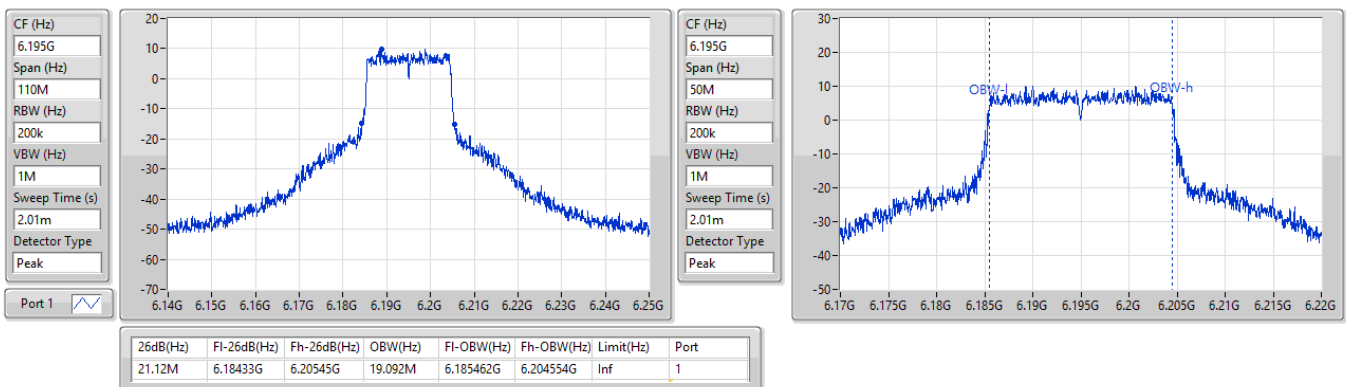
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
5955MHz

13/09/2023

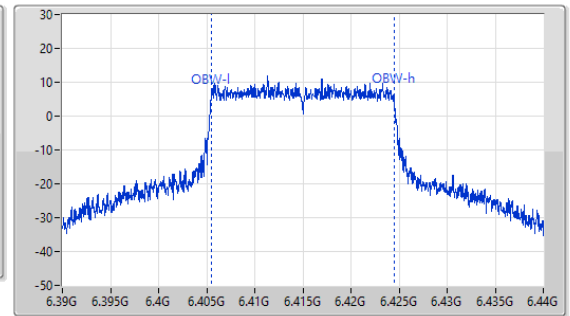
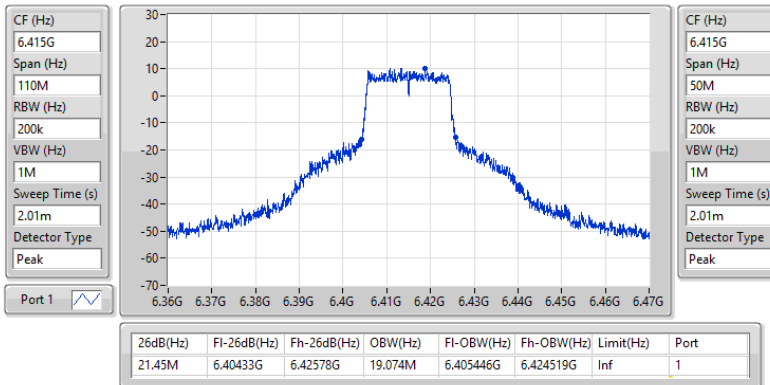

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6195MHz

13/09/2023

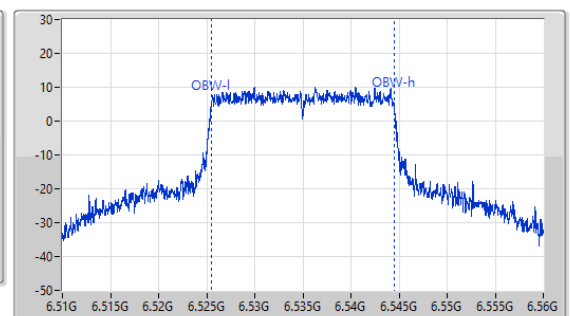
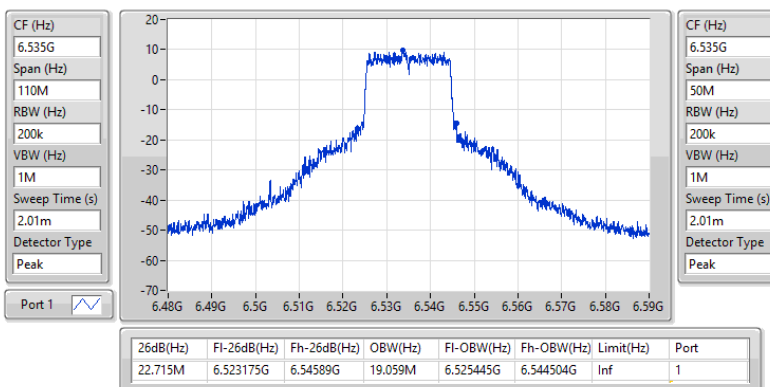


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6415MHz

13/09/2023

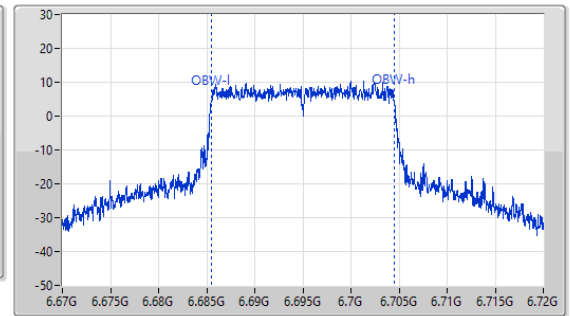
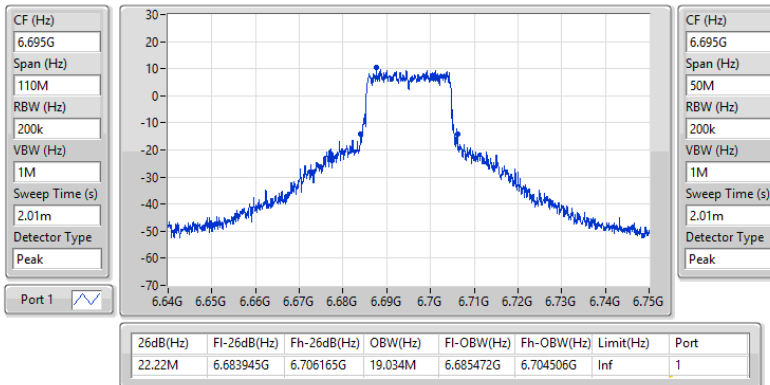

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6535MHz

13/09/2023

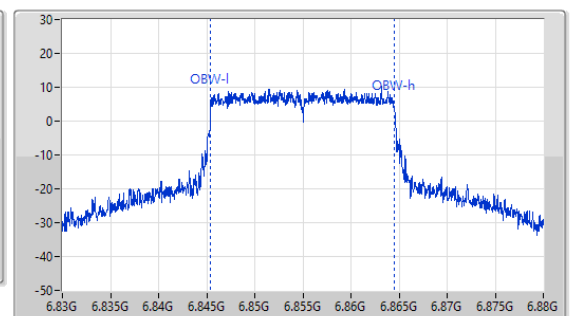
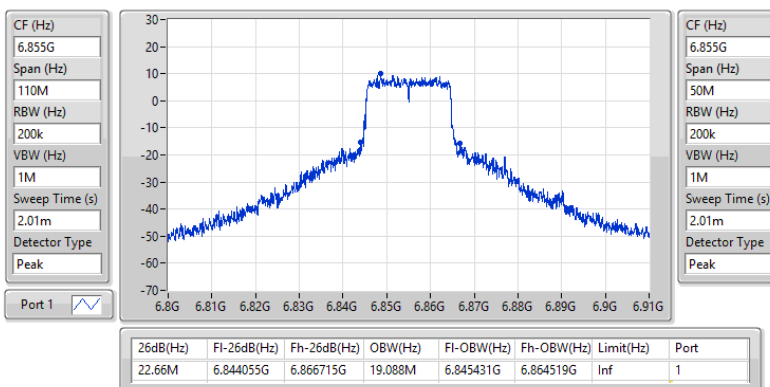


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6695MHz

13/09/2023

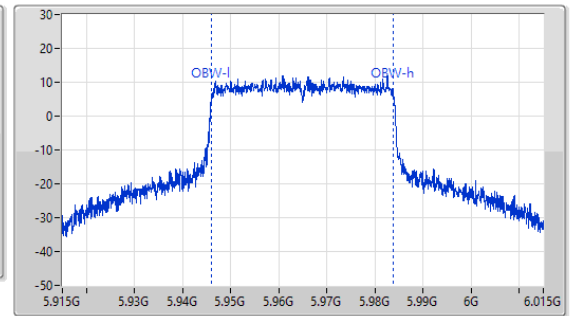
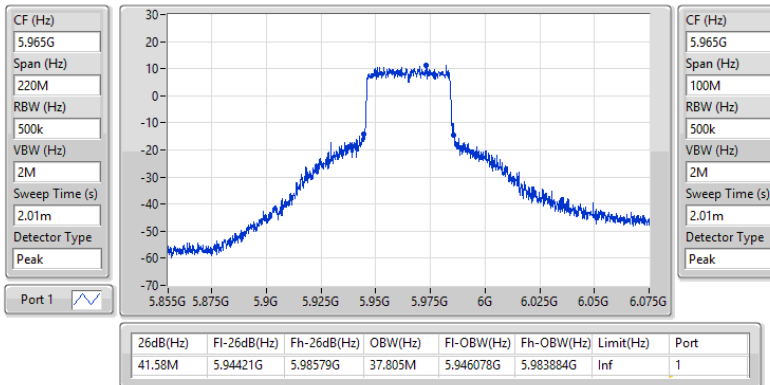

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6855MHz

13/09/2023

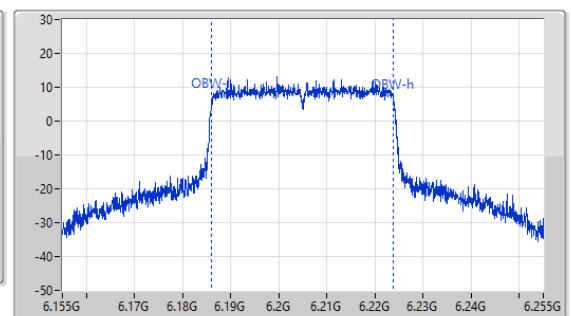
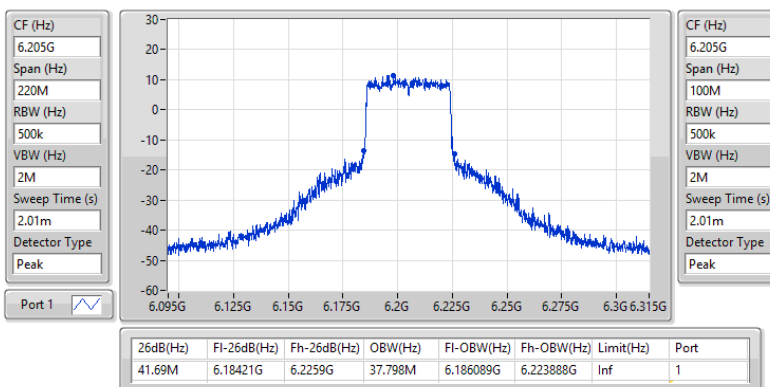


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5965MHz

13/09/2023

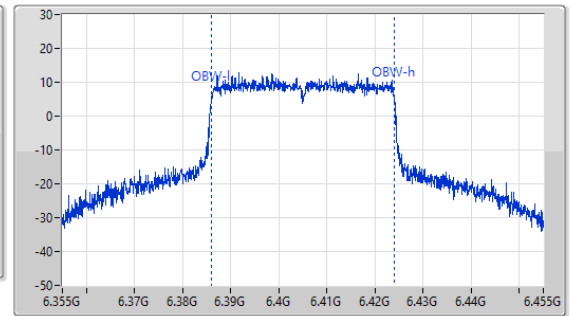
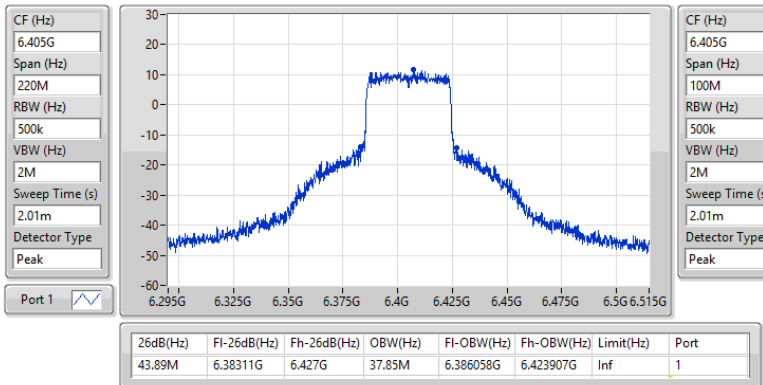

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EBW
6205MHz

13/09/2023

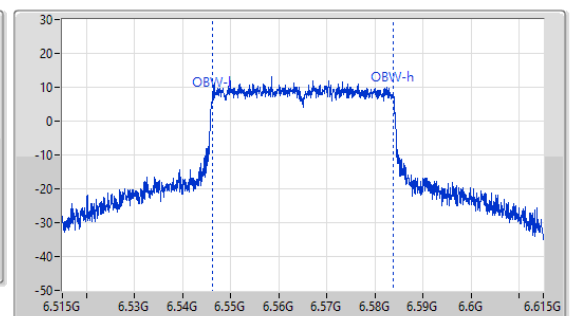
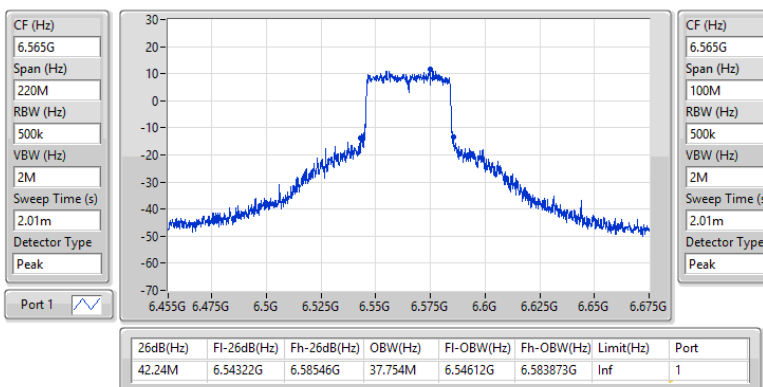


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6405MHz

13/09/2023

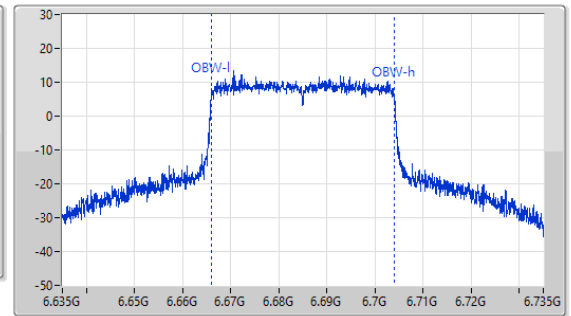
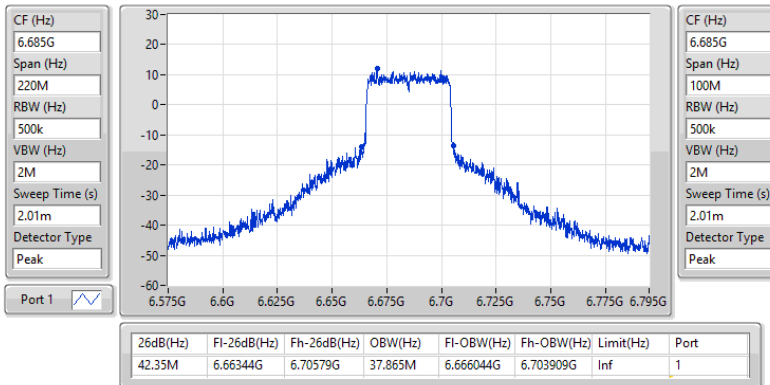

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6565MHz

13/09/2023

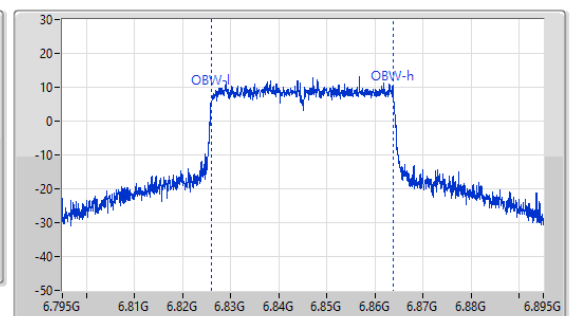
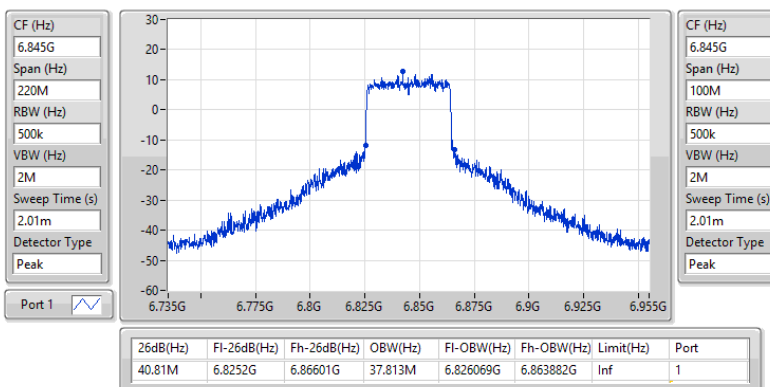


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6685MHz

13/09/2023

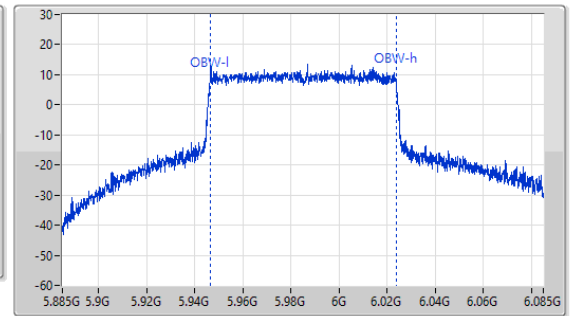
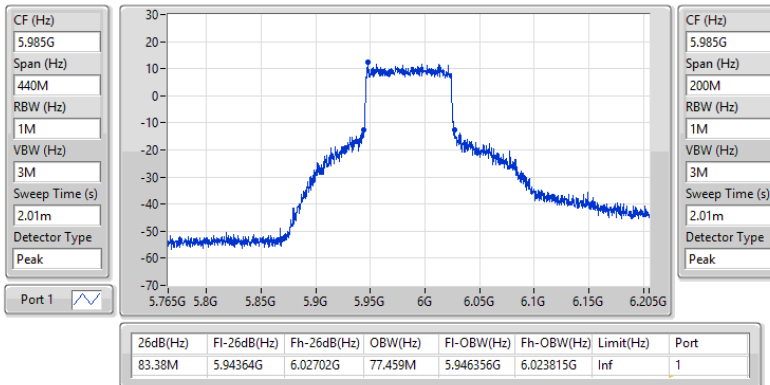

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6845MHz

13/09/2023

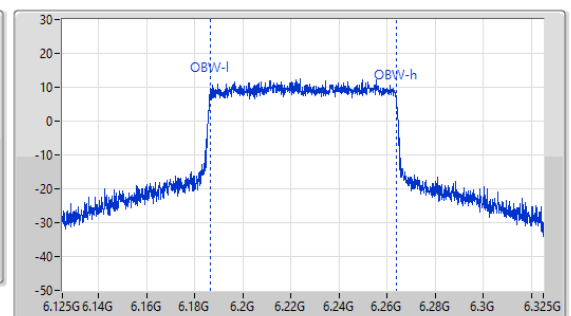
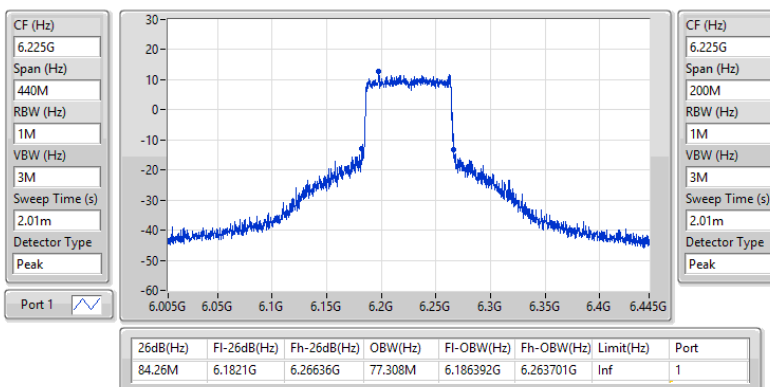


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5985MHz

13/09/2023

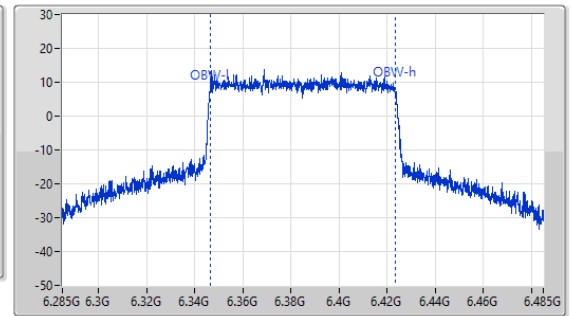
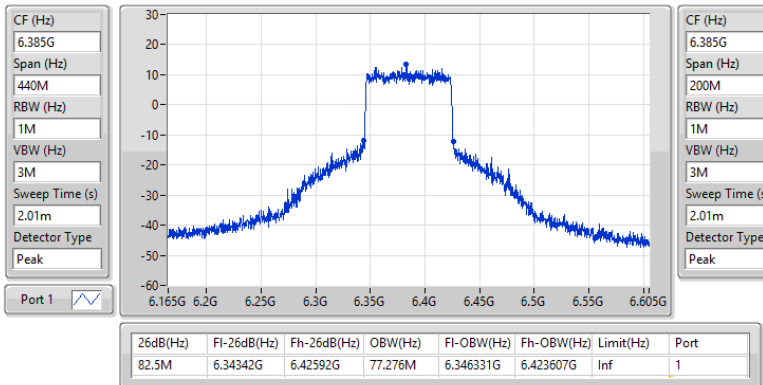

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6225MHz

13/09/2023

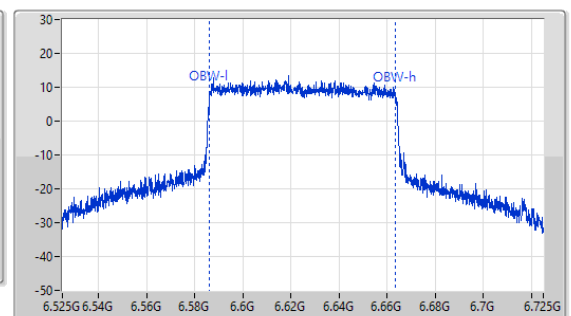
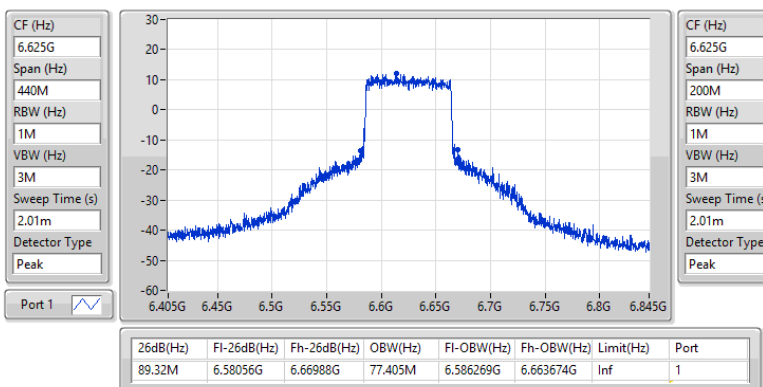


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6385MHz

13/09/2023

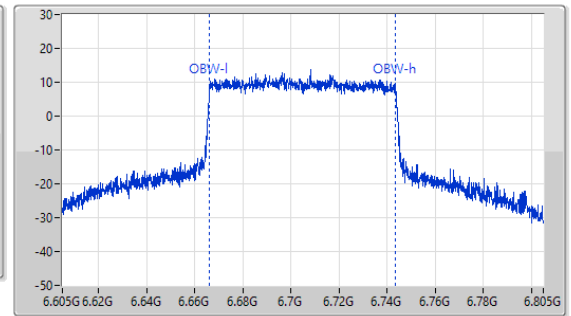
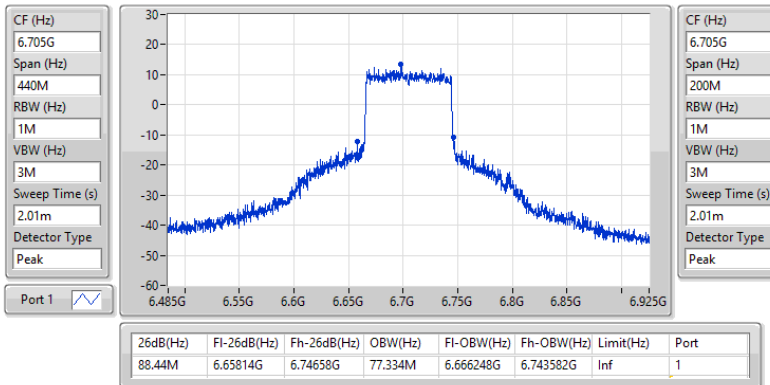

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6625MHz

13/09/2023

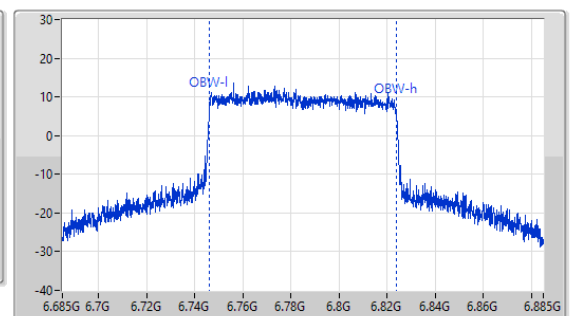
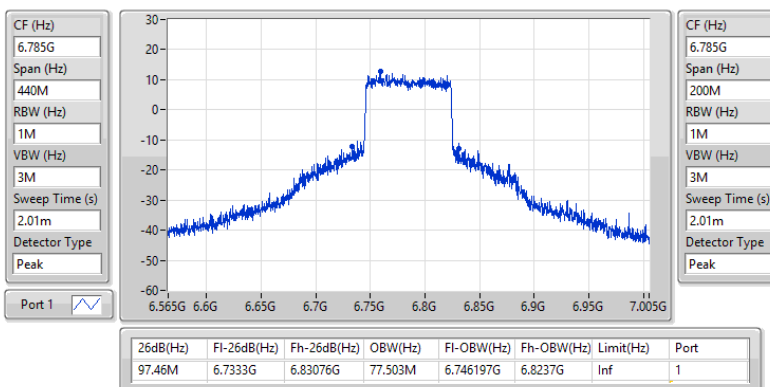


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6705MHz

13/09/2023

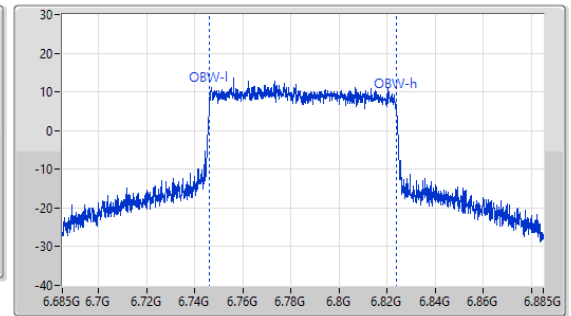
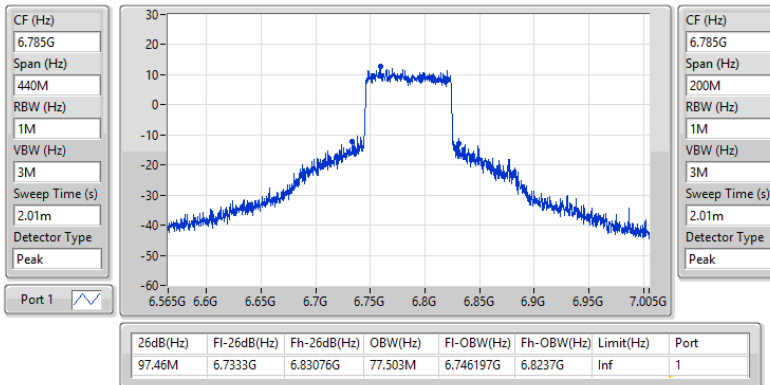

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6785MHz

13/09/2023

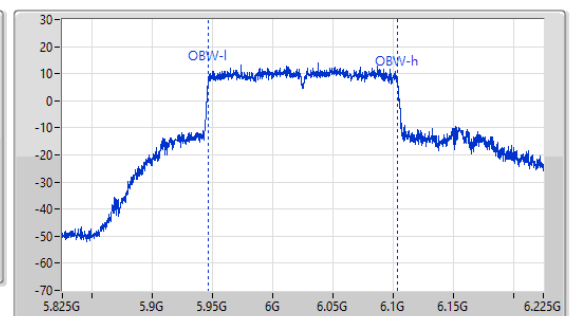
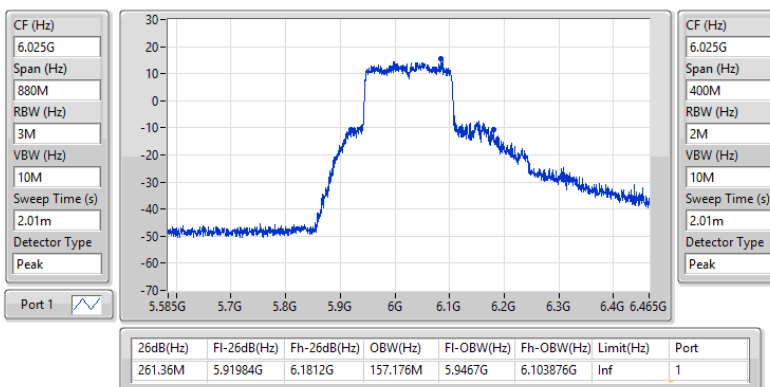


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6785MHz

13/09/2023

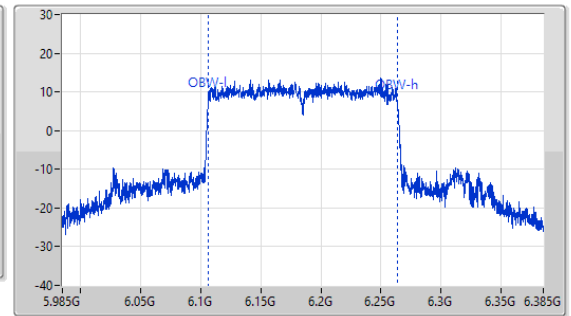
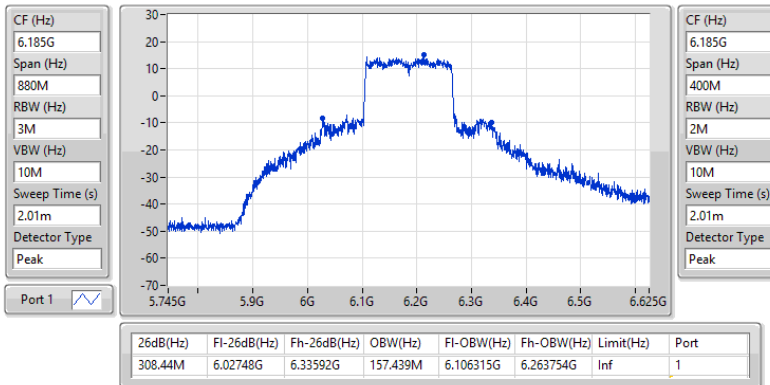

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
6025MHz

13/09/2023

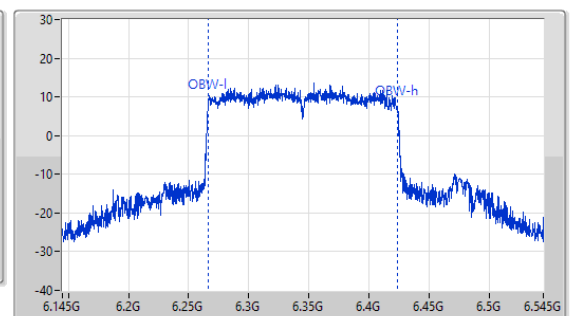
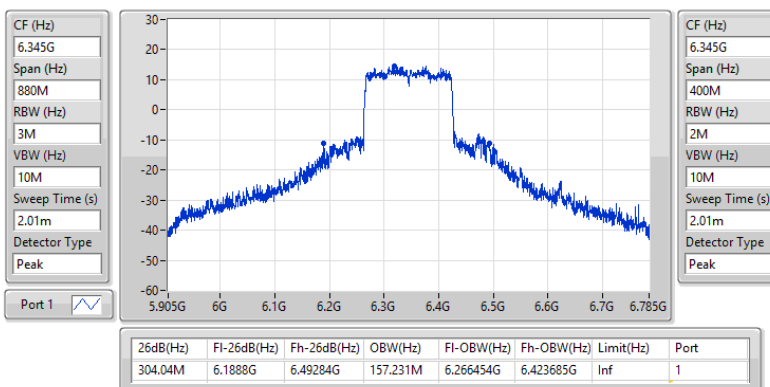


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
6185MHz

13/09/2023


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
6345MHz

13/09/2023

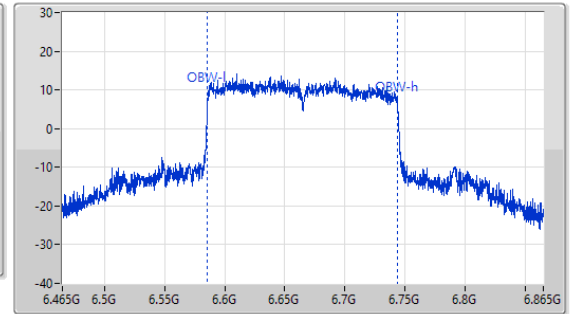
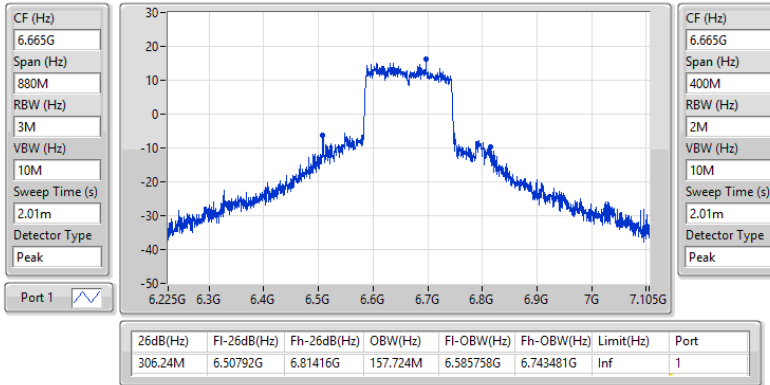


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

6665MHz

13/09/2023



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-BF_Nss1,(MCS0)_2TX	24.145M	19.329M	19M3D1D	21.175M	19.021M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	41.36M	37.853M	37M9D1D	39.27M	37.596M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	83.82M	77.539M	77M5D1D	80.3M	77.17M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	163.24M	156.534M	157MD1D	161.92M	155.171M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.165M	19.168M	19M2D1D	20.9M	18.988M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.81M	37.951M	38M0D1D	40.04M	37.636M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.62M	77.433M	77M4D1D	80.3M	77.138M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	162.8M	156.282M	156MD1D	161.92M	156.202M

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

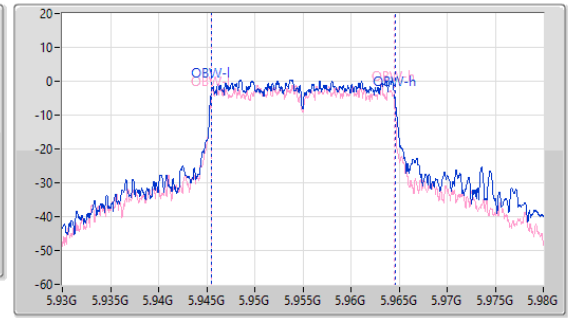
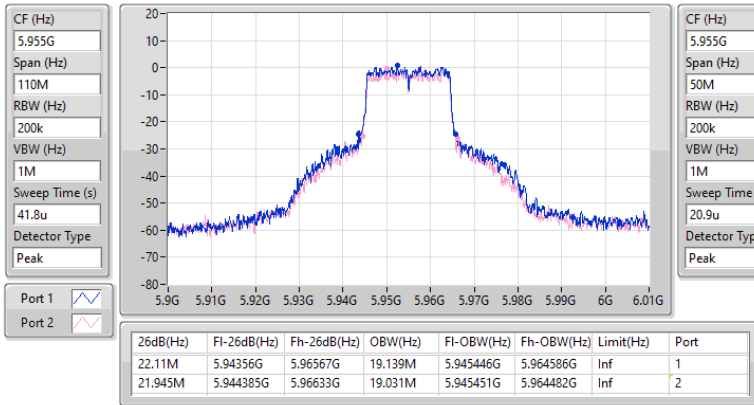
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	22.11M	19.139M	21.945M	19.031M
6195MHz	Pass	Inf	21.175M	19.036M	21.89M	19.021M
6415MHz	Pass	Inf	21.45M	19.329M	24.145M	19.04M
6535MHz	Pass	Inf	20.9M	19.053M	21.065M	19.168M
6695MHz	Pass	Inf	22.165M	19.115M	21.12M	19.044M
6855MHz	Pass	Inf	20.9M	18.988M	22.055M	19.056M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	40.26M	37.596M	40.48M	37.72M
6205MHz	Pass	Inf	41.36M	37.713M	40.7M	37.853M
6405MHz	Pass	Inf	39.93M	37.7M	39.27M	37.771M
6565MHz	Pass	Inf	40.81M	37.951M	40.04M	37.764M
6685MHz	Pass	Inf	40.37M	37.85M	40.26M	37.727M
6845MHz	Pass	Inf	40.15M	37.776M	40.37M	37.636M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	80.3M	77.17M	83.82M	77.488M
6225MHz	Pass	Inf	81.4M	77.454M	80.74M	77.436M
6385MHz	Pass	Inf	81.62M	77.539M	80.96M	77.432M
6625MHz	Pass	Inf	80.3M	77.249M	80.3M	77.293M
6705MHz	Pass	Inf	80.74M	77.427M	80.96M	77.168M
6785MHz	Pass	Inf	81.62M	77.433M	80.74M	77.138M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	162.36M	156.397M	163.24M	156.534M
6185MHz	Pass	Inf	161.92M	156.175M	161.92M	156.383M
6345MHz	Pass	Inf	161.92M	155.171M	161.92M	156.517M
6665MHz	Pass	Inf	162.8M	156.282M	161.92M	156.202M

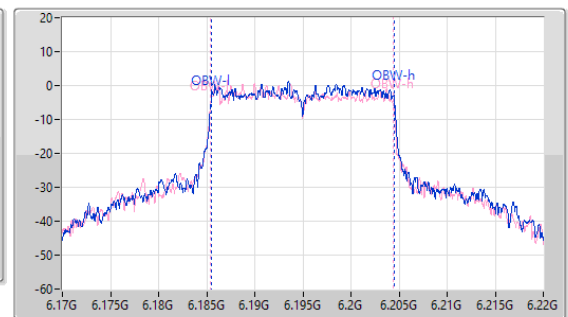
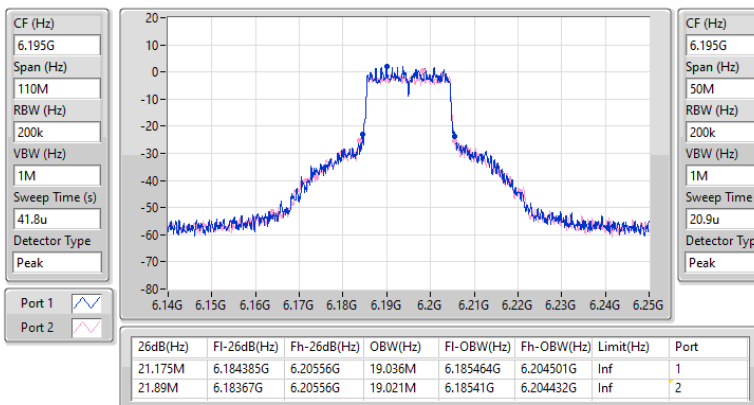
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5955MHz

18/10/2023

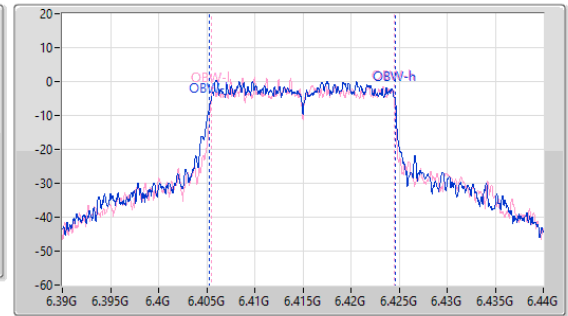
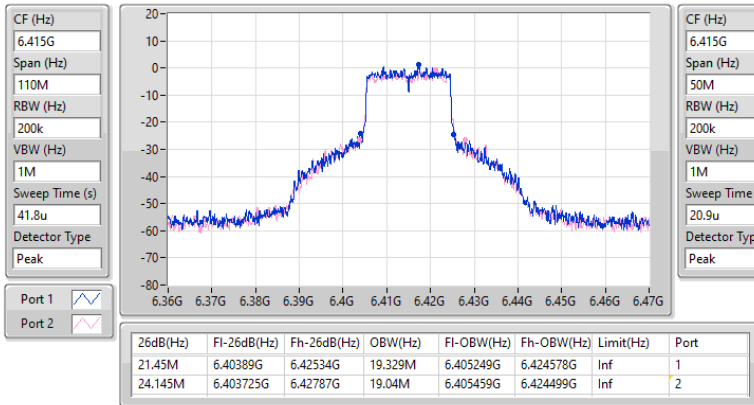

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6195MHz

18/10/2023

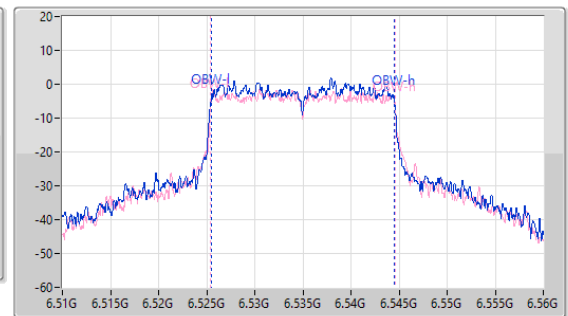
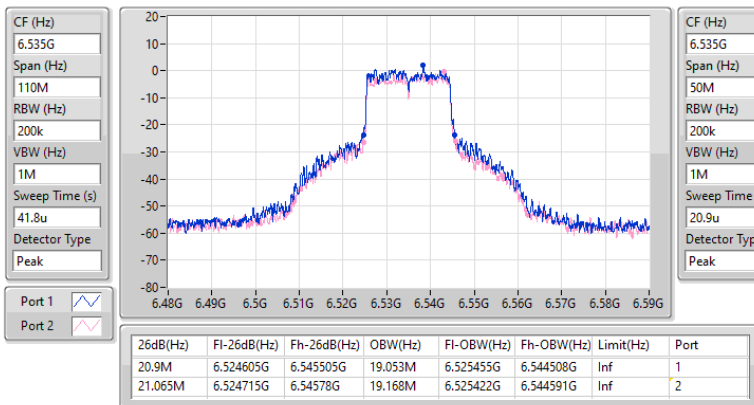


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6415MHz

18/10/2023

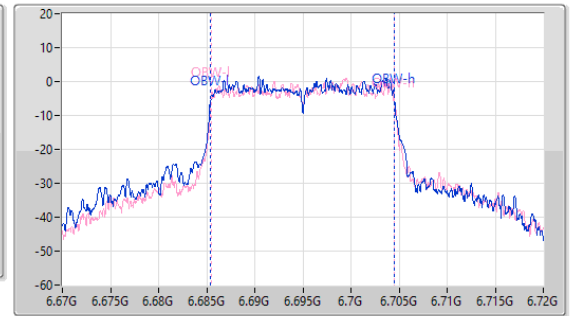
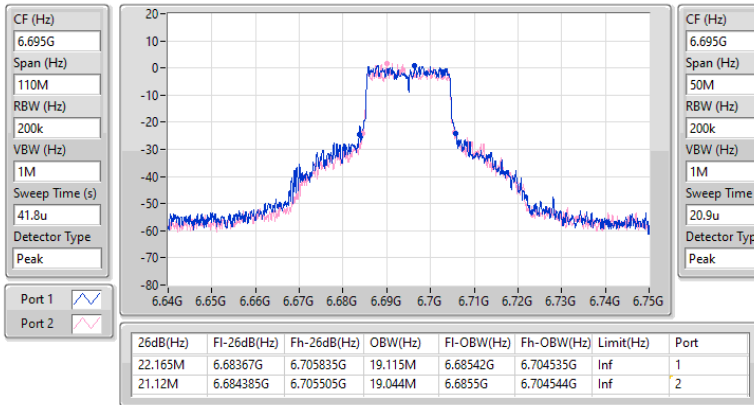

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6535MHz

18/10/2023

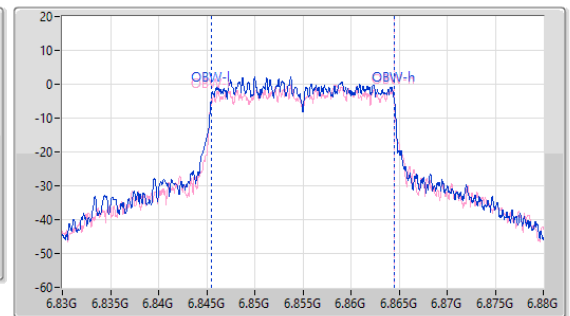
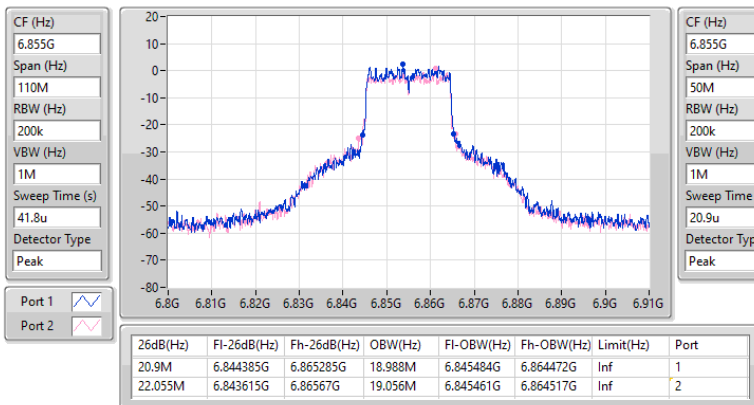


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6695MHz

18/10/2023

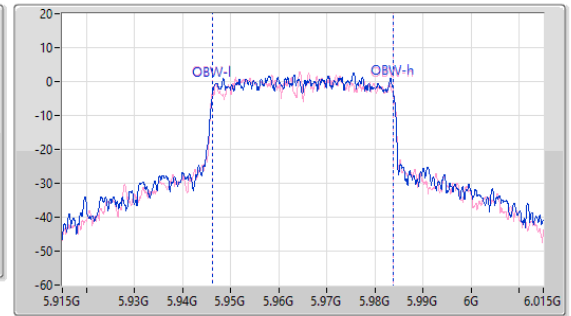
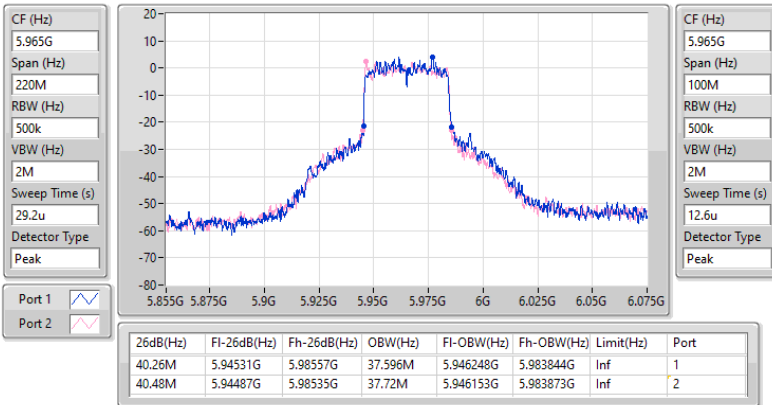

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6855MHz

18/10/2023

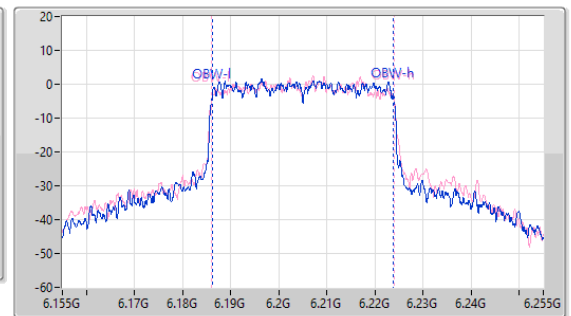
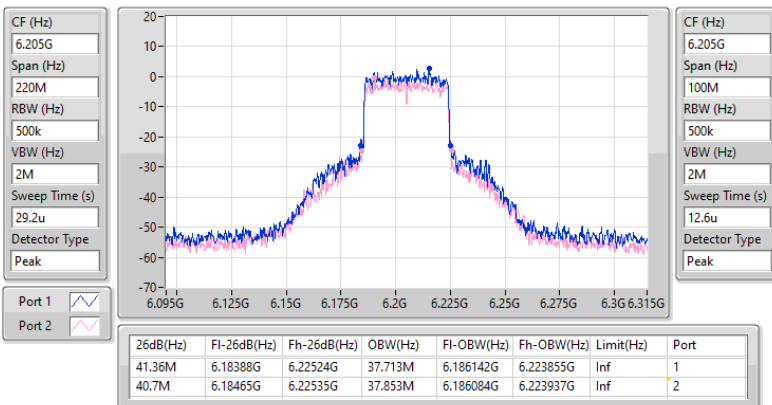


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5965MHz

18/10/2023

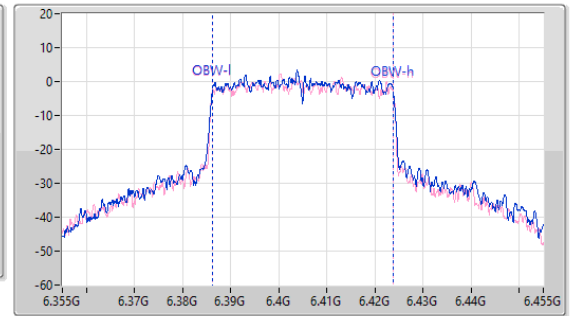
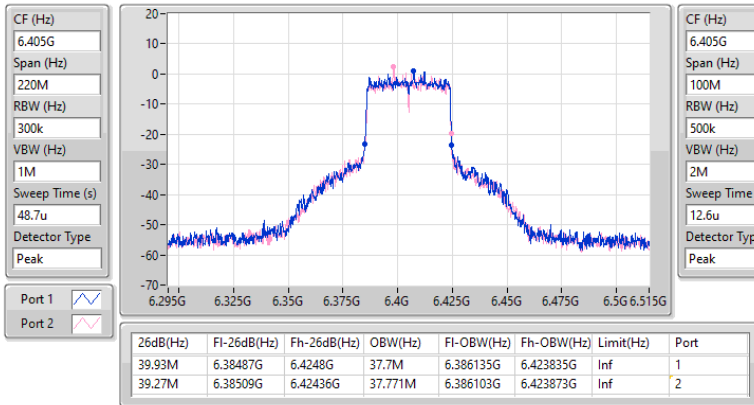

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6205MHz

18/10/2023

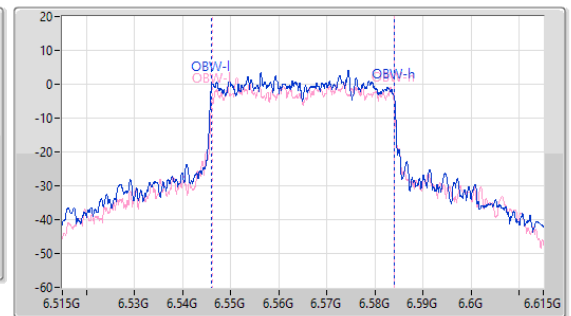
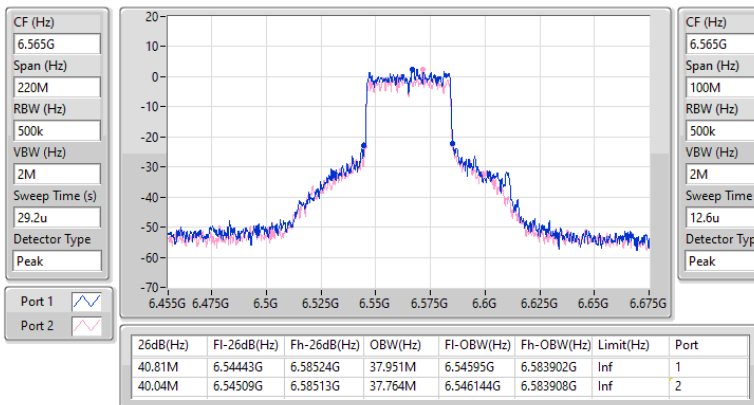


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6405MHz

18/10/2023

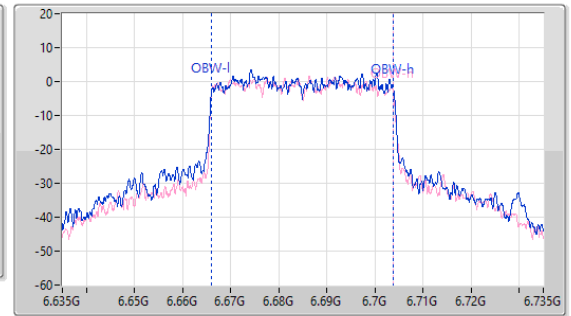
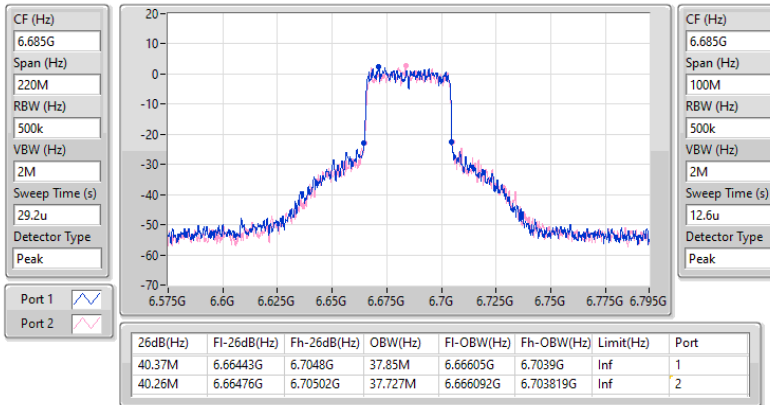

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6565MHz

18/10/2023

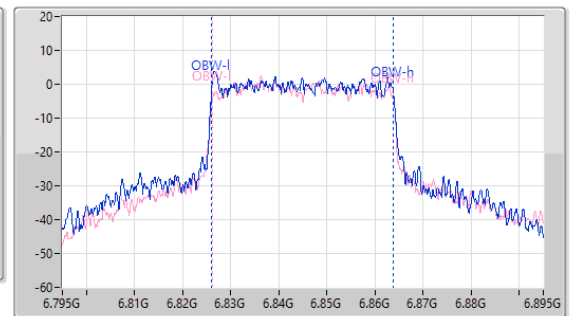
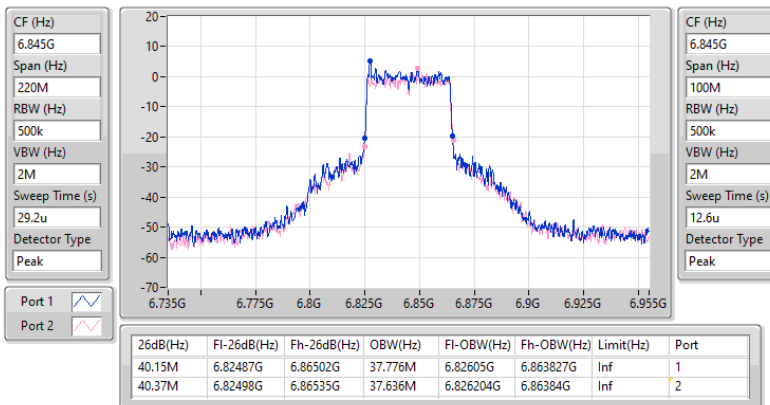


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6685MHz

18/10/2023

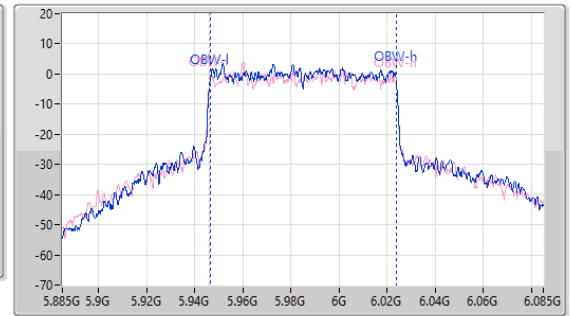
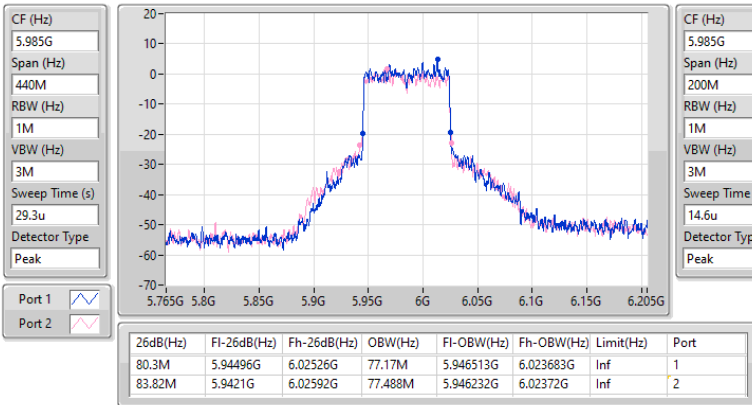

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6845MHz

18/10/2023

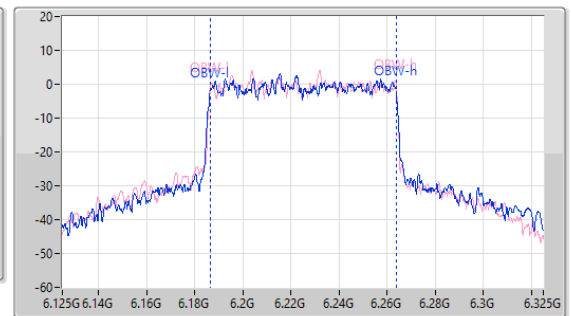
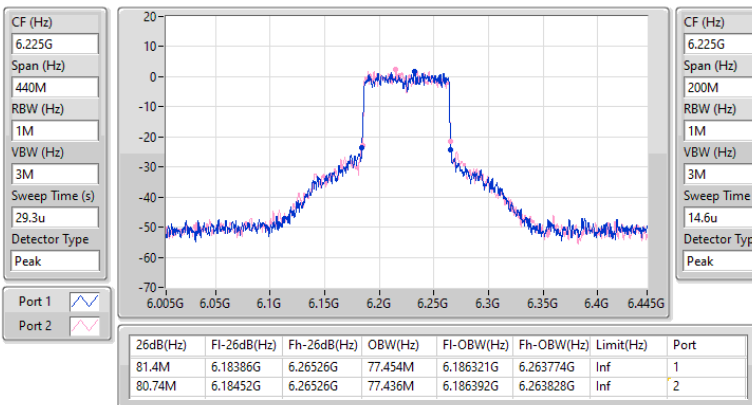


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
5985MHz

18/10/2023

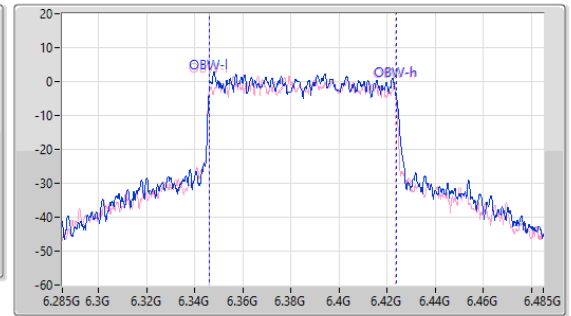
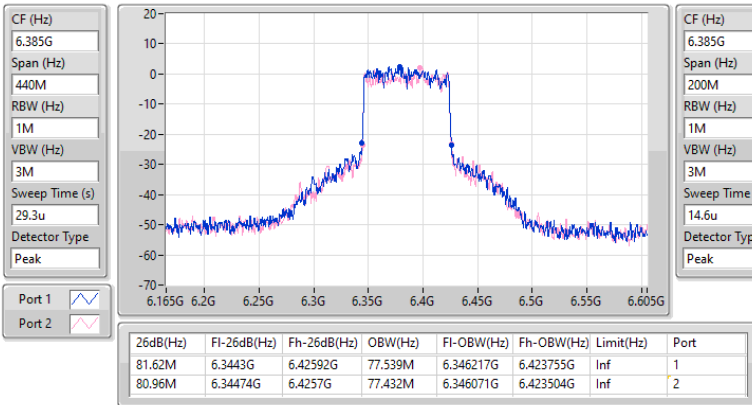

5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6225MHz

18/10/2023

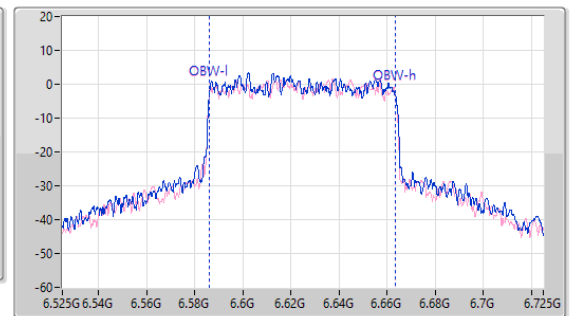
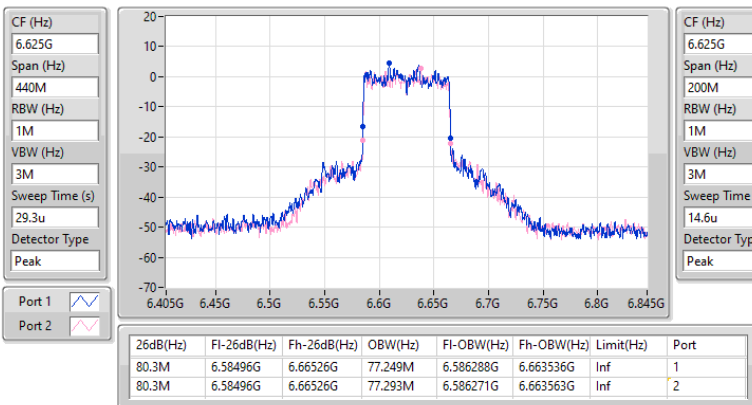


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6385MHz

18/10/2023

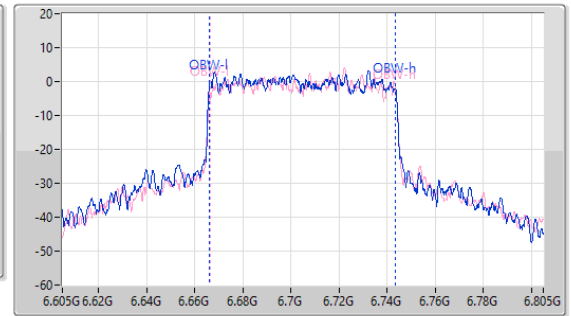
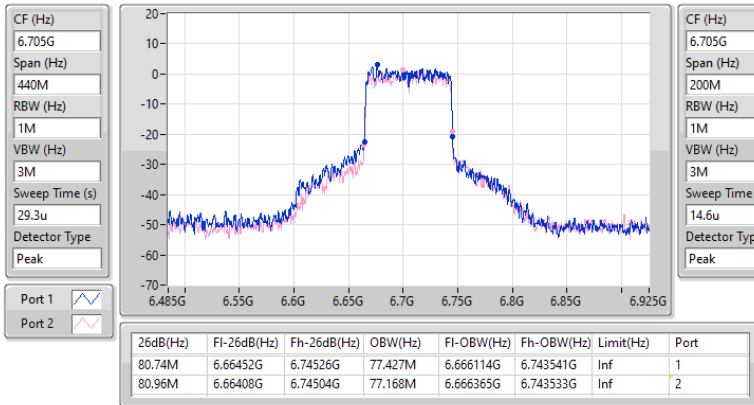

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6625MHz

18/10/2023

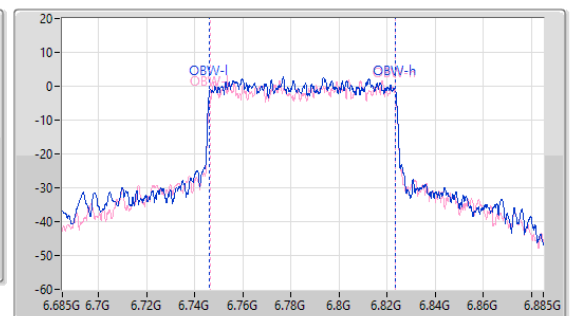
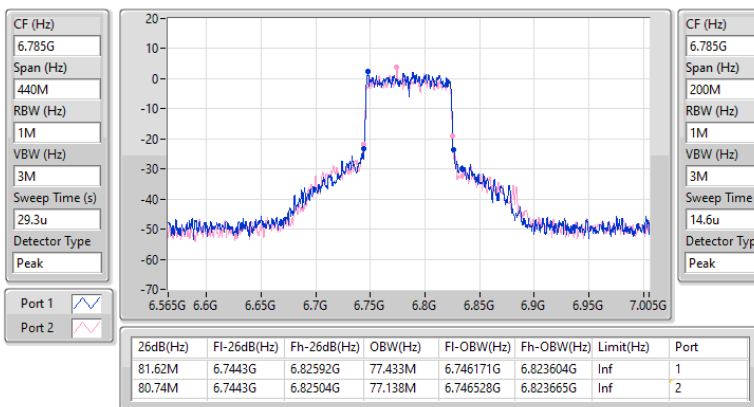


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6705MHz

18/10/2023

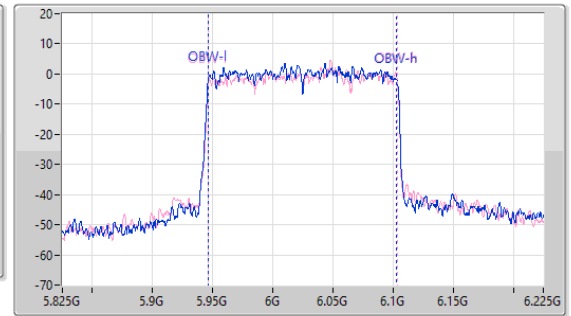
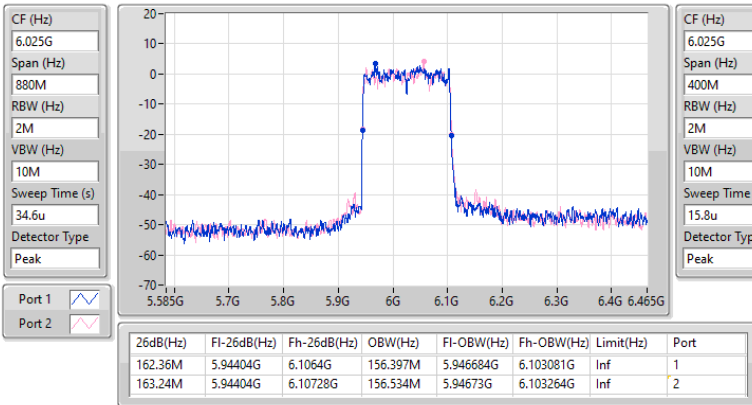

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6785MHz

18/10/2023

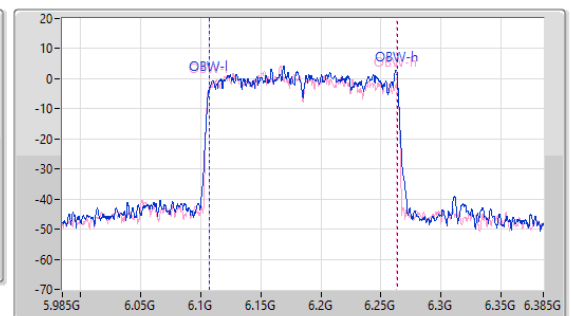
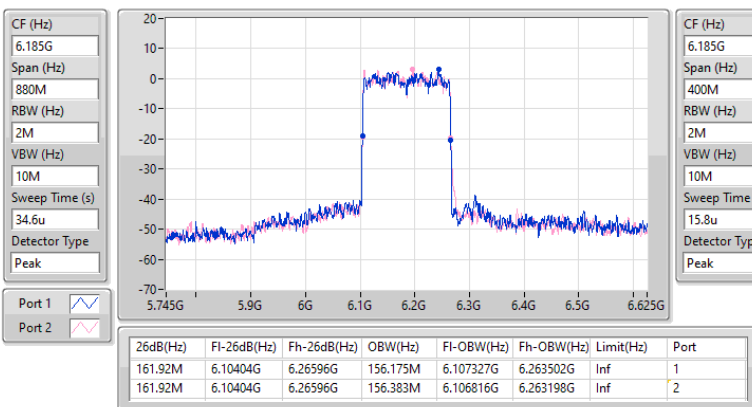


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6025MHz

18/10/2023

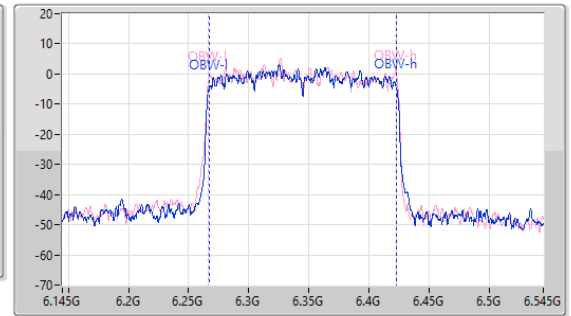
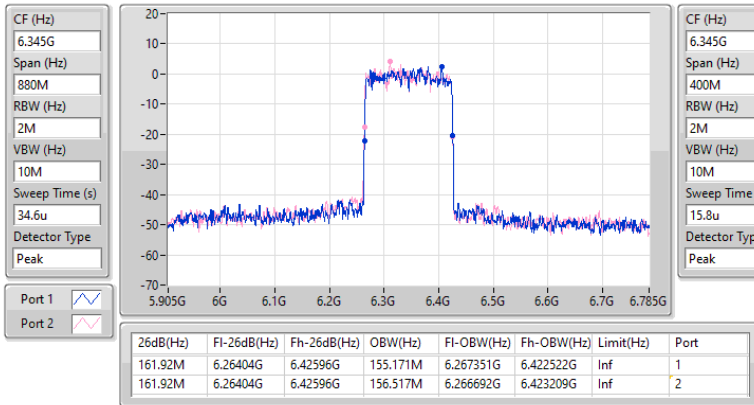

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6185MHz

18/10/2023

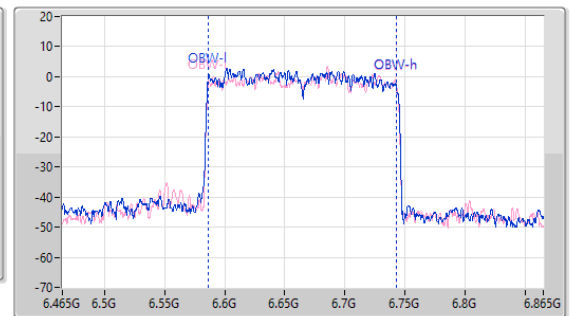
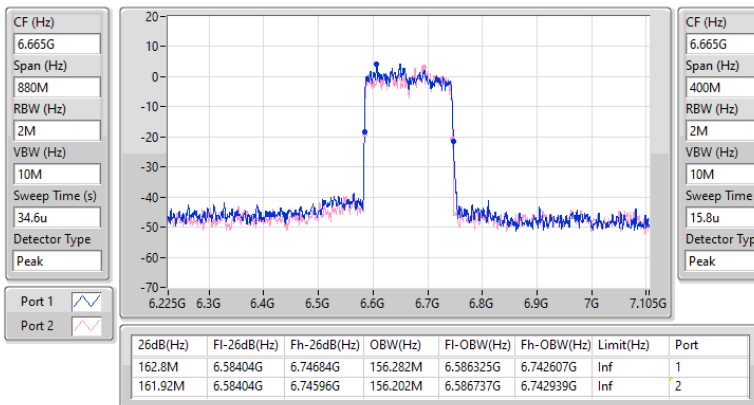


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6345MHz

18/10/2023


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6665MHz

18/10/2023



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_Nss2,(MCS0)_2TX	22.66M	19.065M	19M1D1D	21.12M	19.017M
802.11ax HEW40_Nss2,(MCS0)_2TX	42.57M	37.871M	37M9D1D	40.15M	37.719M
802.11ax HEW80_Nss2,(MCS0)_2TX	88.22M	77.403M	77M4D1D	80.52M	77.268M
802.11ax HEW160_Nss2,(MCS0)_2TX	165M	156.702M	157MD1D	162.36M	155.994M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	22.77M	19.108M	19M1D1D	21.34M	19.006M
802.11ax HEW40_Nss2,(MCS0)_2TX	41.69M	37.852M	37M9D1D	40.37M	37.753M
802.11ax HEW80_Nss2,(MCS0)_2TX	83.38M	77.418M	77M4D1D	81.18M	77.219M
802.11ax HEW160_Nss2,(MCS0)_2TX	163.24M	156.324M	156MD1D	162.8M	156.231M

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

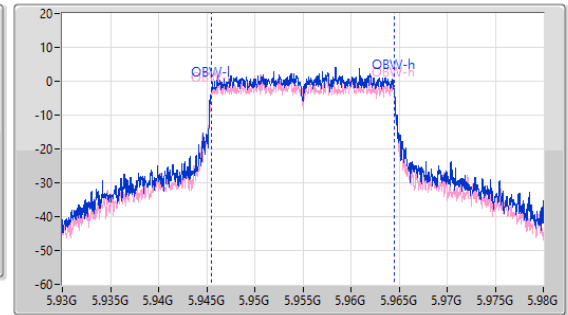
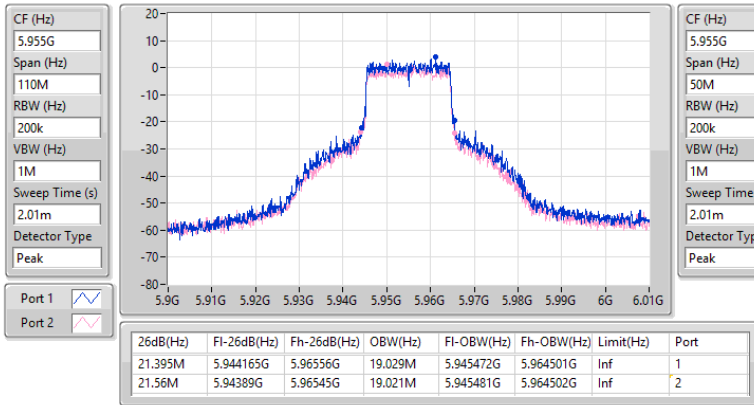
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	21.395M	19.029M	21.56M	19.021M
6195MHz	Pass	Inf	21.67M	19.065M	21.45M	19.026M
6415MHz	Pass	Inf	21.12M	19.017M	22.66M	19.06M
6535MHz	Pass	Inf	21.67M	19.047M	21.34M	19.108M
6695MHz	Pass	Inf	21.34M	19.006M	22.77M	19.079M
6855MHz	Pass	Inf	21.45M	19.027M	22.22M	19.075M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	40.7M	37.871M	41.58M	37.719M
6205MHz	Pass	Inf	41.8M	37.727M	42.57M	37.759M
6405MHz	Pass	Inf	40.15M	37.769M	40.59M	37.816M
6565MHz	Pass	Inf	40.48M	37.753M	41.69M	37.796M
6685MHz	Pass	Inf	40.7M	37.807M	40.37M	37.812M
6845MHz	Pass	Inf	40.92M	37.852M	41.25M	37.804M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	81.84M	77.403M	80.96M	77.313M
6225MHz	Pass	Inf	84.04M	77.317M	80.52M	77.306M
6385MHz	Pass	Inf	88.22M	77.268M	82.06M	77.332M
6625MHz	Pass	Inf	83.38M	77.385M	81.18M	77.418M
6705MHz	Pass	Inf	81.62M	77.414M	81.84M	77.219M
6785MHz	Pass	Inf	82.5M	77.297M	81.62M	77.397M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	163.24M	156.238M	162.36M	156.702M
6185MHz	Pass	Inf	163.24M	156.41M	165M	156.468M
6345MHz	Pass	Inf	163.24M	156.275M	163.68M	155.994M
6665MHz	Pass	Inf	163.24M	156.231M	162.8M	156.324M

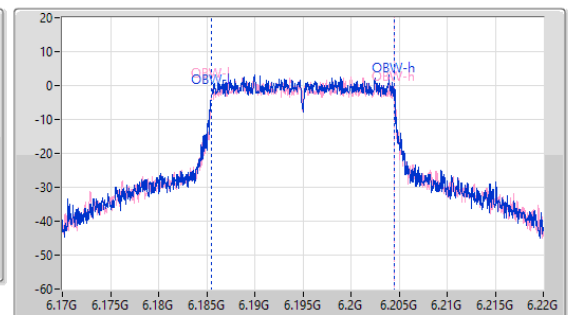
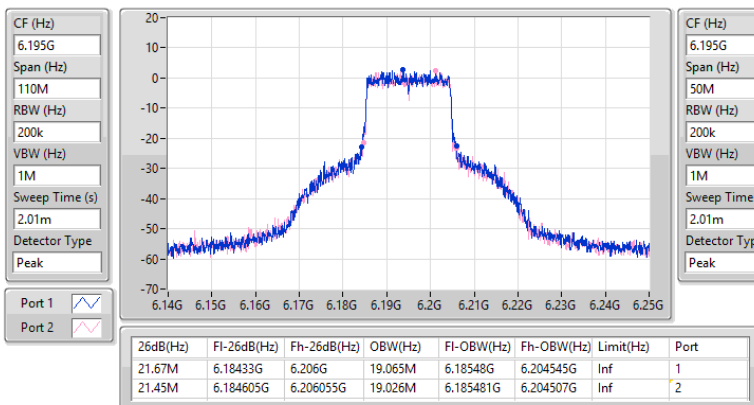
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
5955MHz

13/09/2023

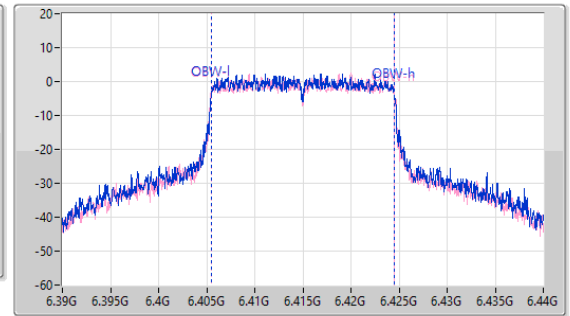
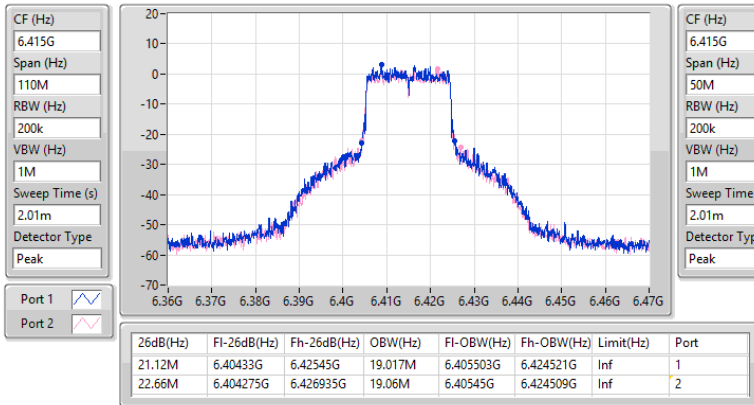

5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6195MHz

13/09/2023

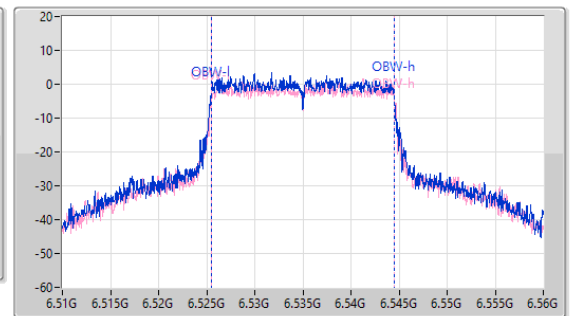
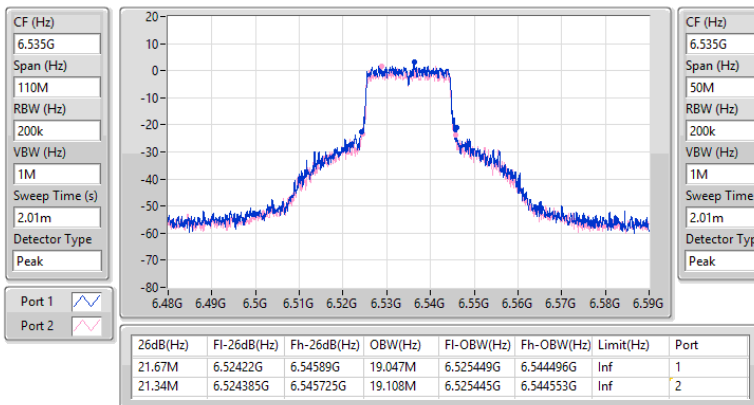


5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6415MHz

13/09/2023

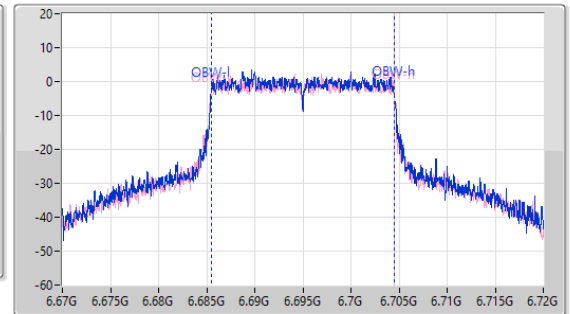
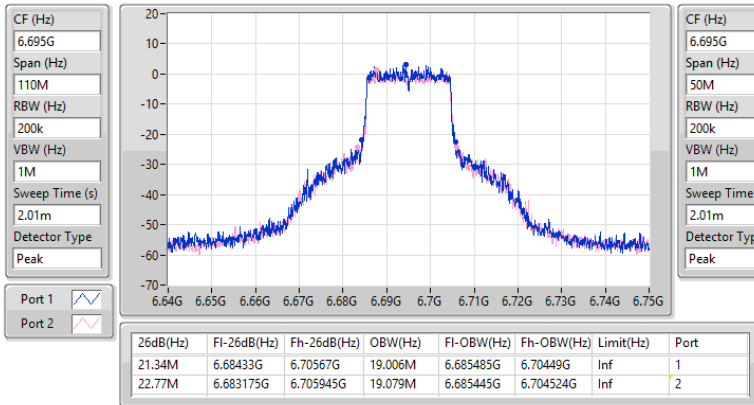

6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6535MHz

13/09/2023

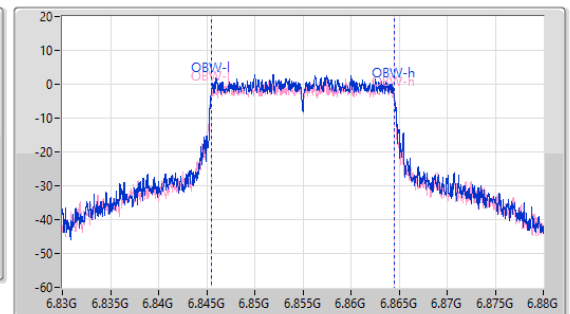
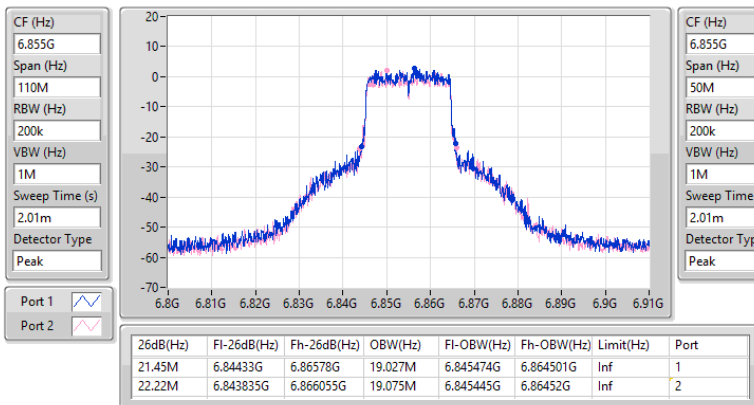


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6695MHz

13/09/2023

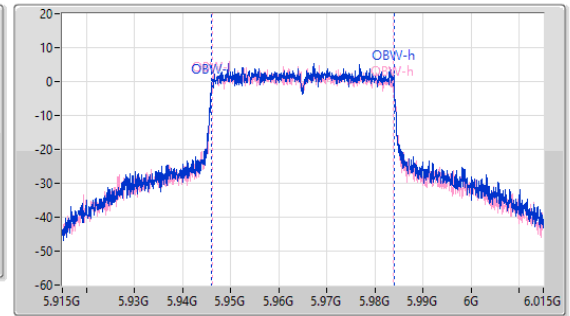
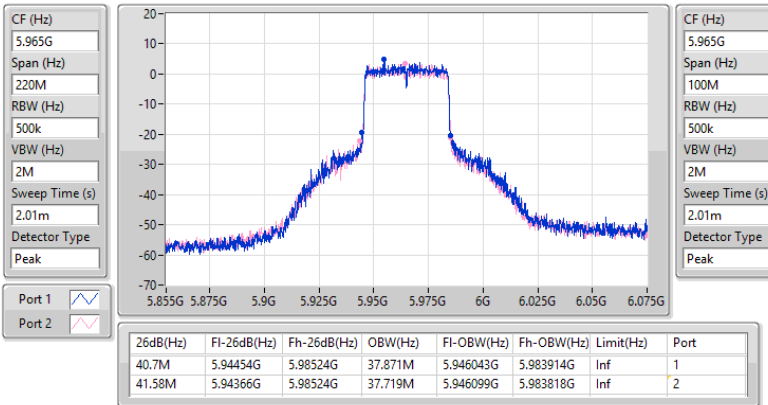

6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6855MHz

13/09/2023

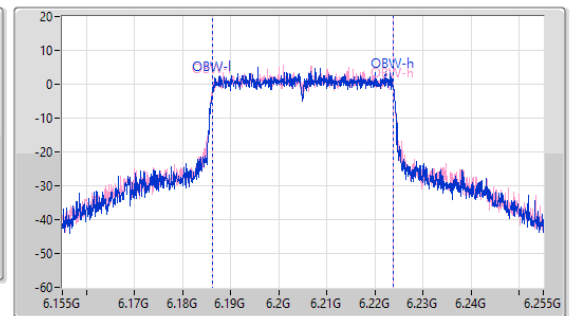
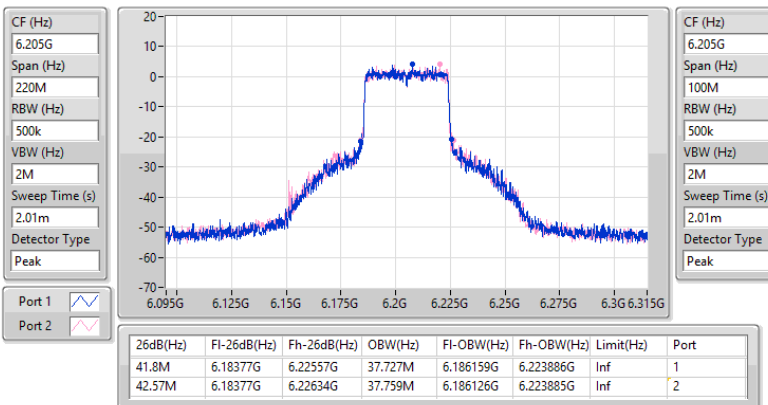


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
5965MHz

13/09/2023

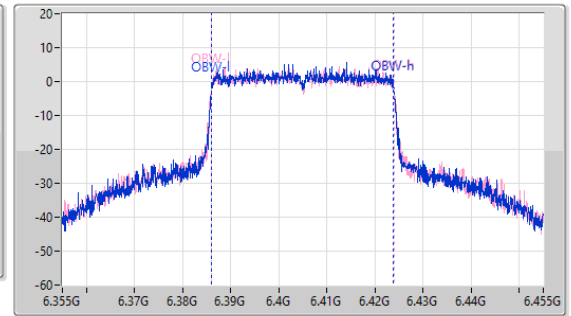
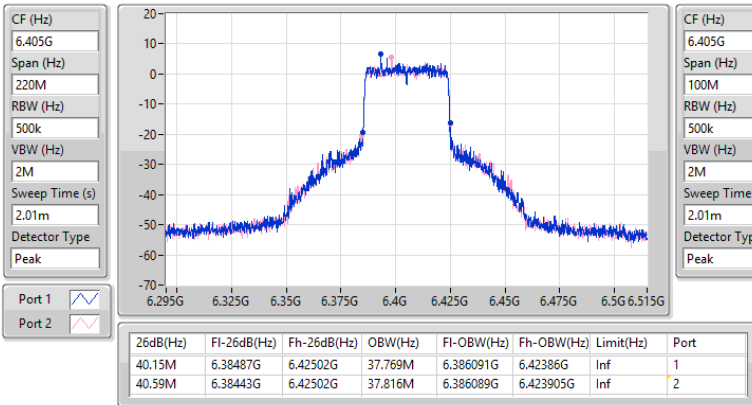

5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6205MHz

13/09/2023

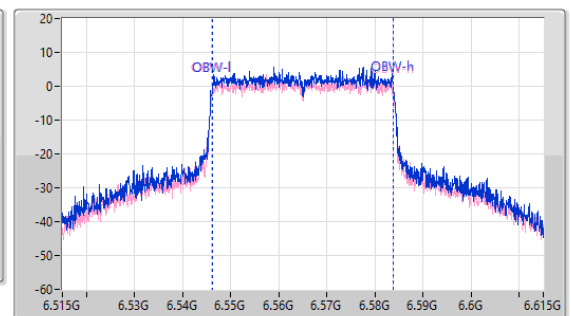
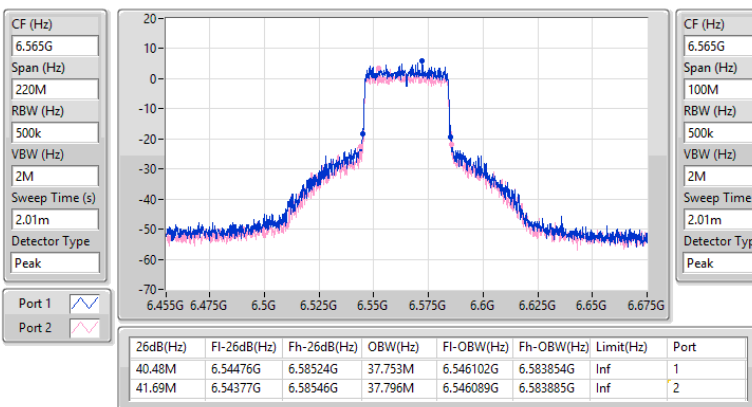


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6405MHz

13/09/2023

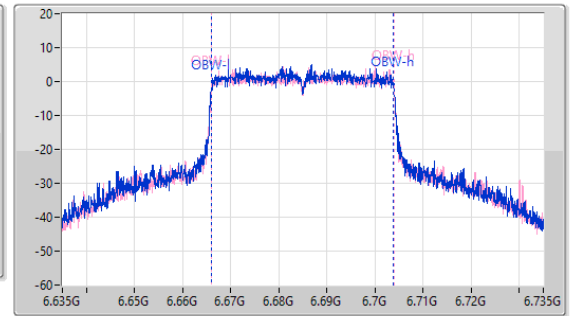
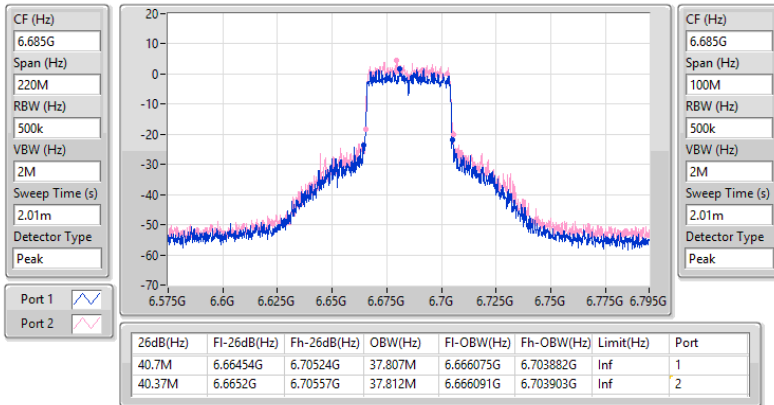

6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6565MHz

13/09/2023

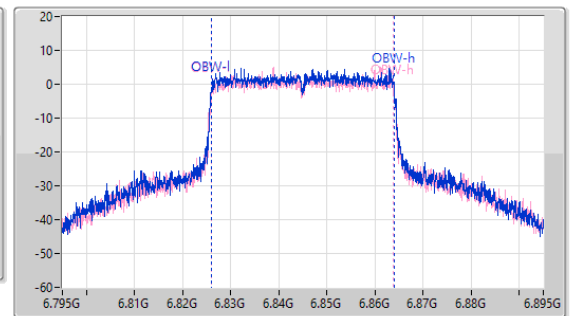
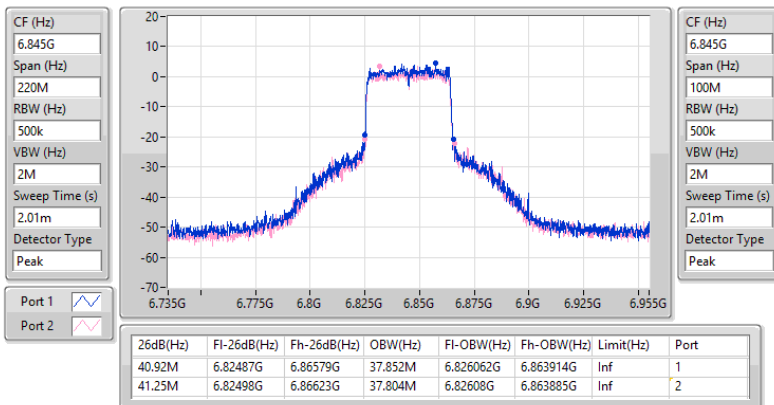


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6685MHz

13/09/2023

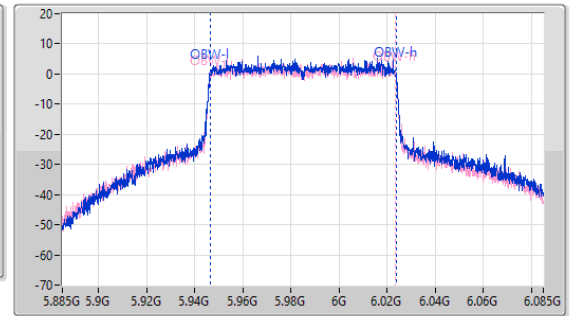
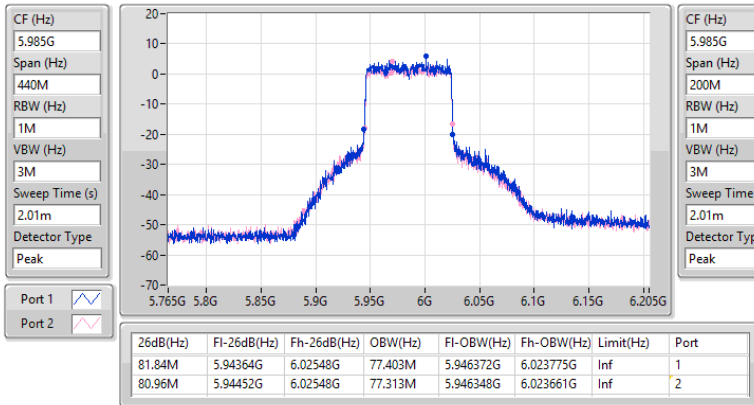

6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6845MHz

13/09/2023

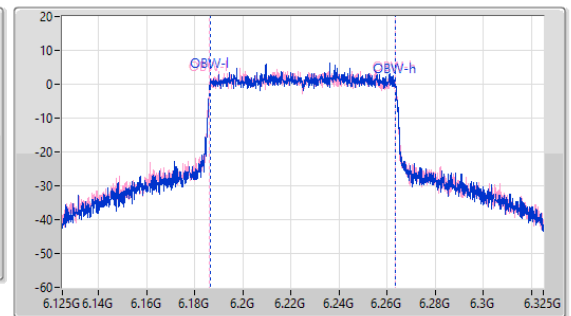
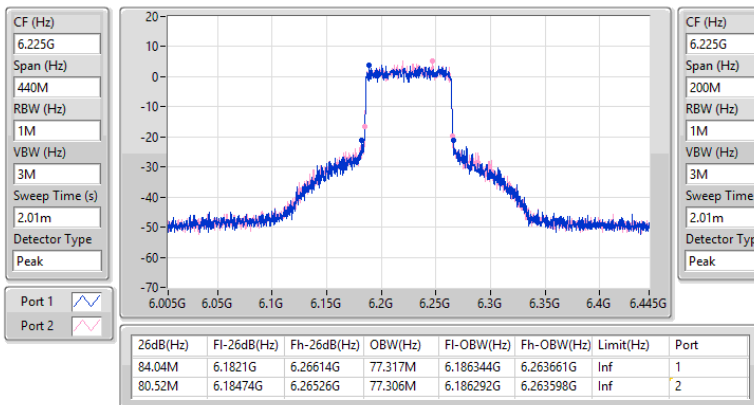


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
5985MHz

13/09/2023

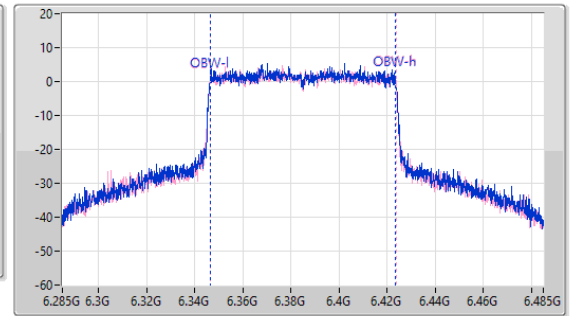
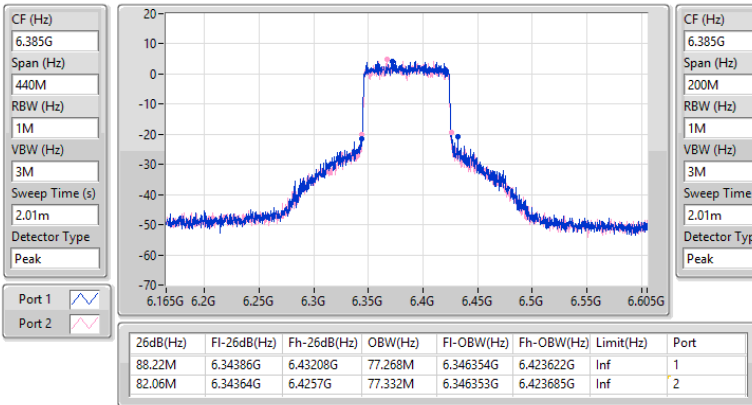

5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6225MHz

13/09/2023

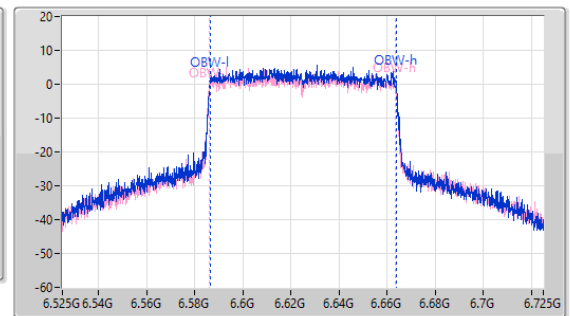
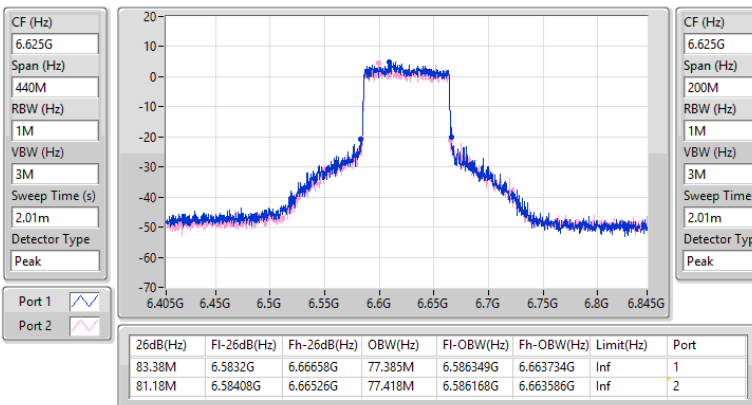


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6385MHz

13/09/2023

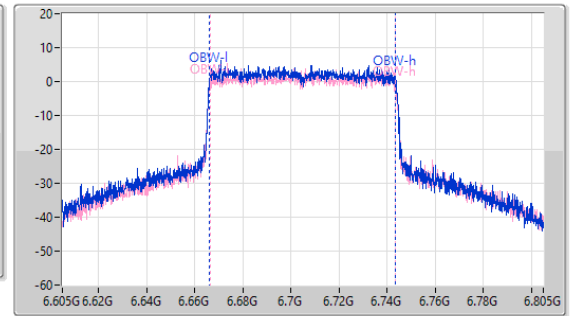
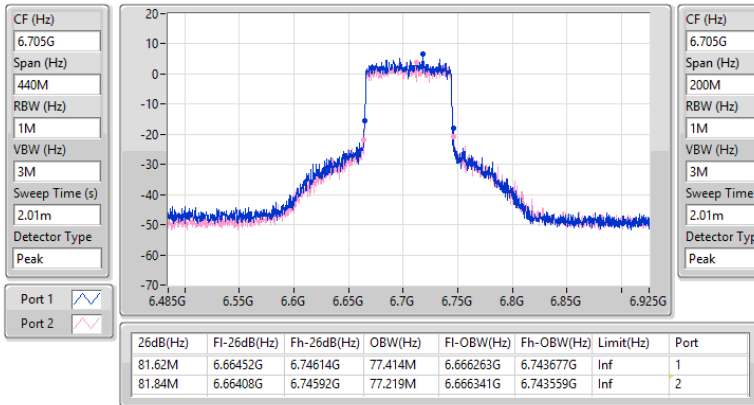

6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6625MHz

13/09/2023

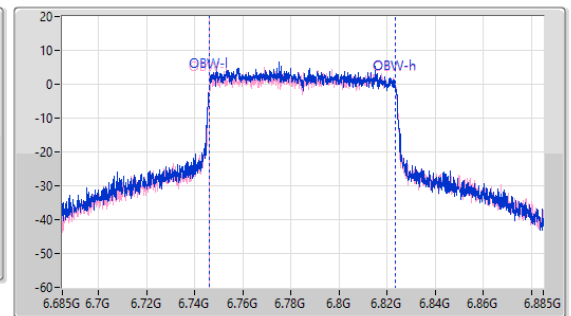
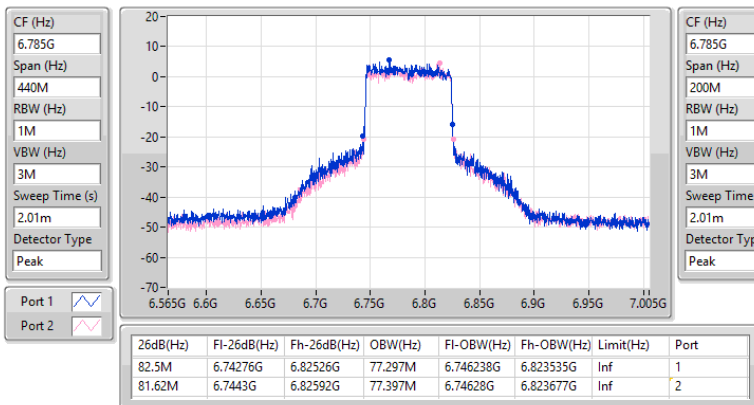


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6705MHz

13/09/2023

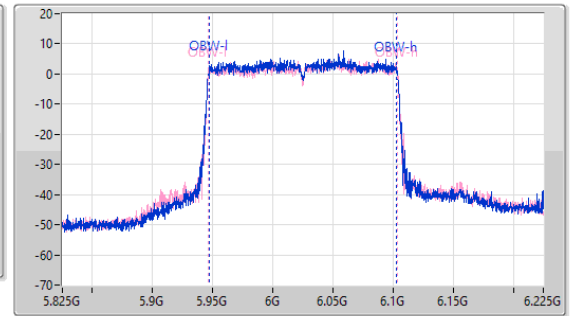
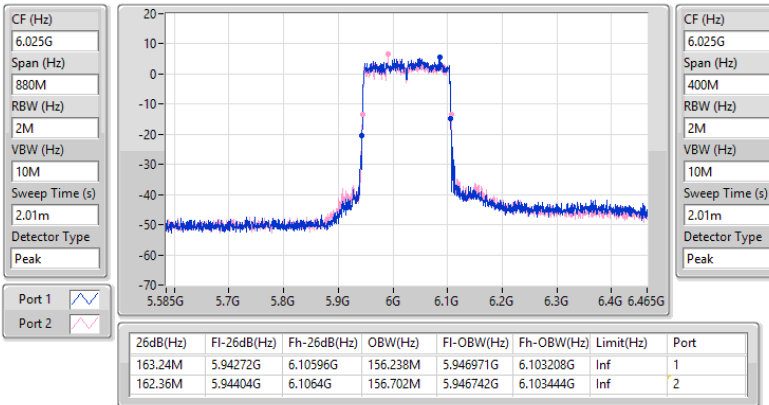

6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6785MHz

13/09/2023

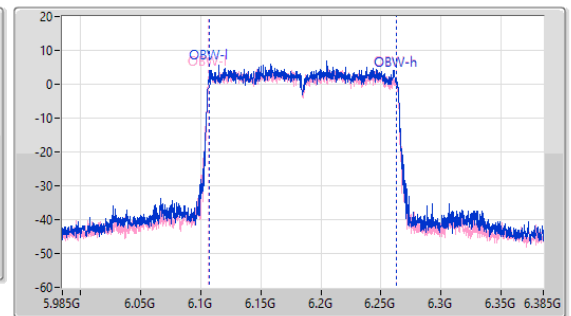
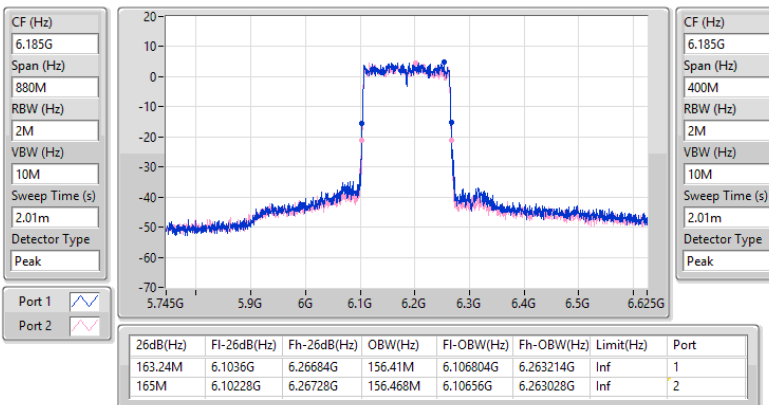


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6025MHz

13/09/2023

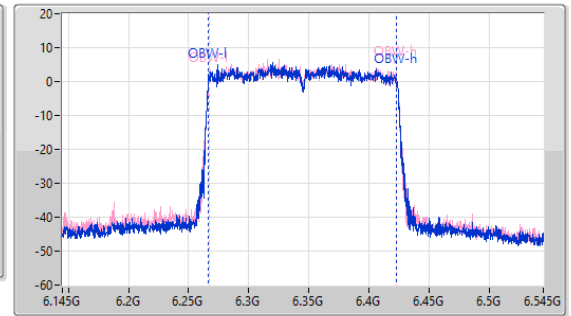
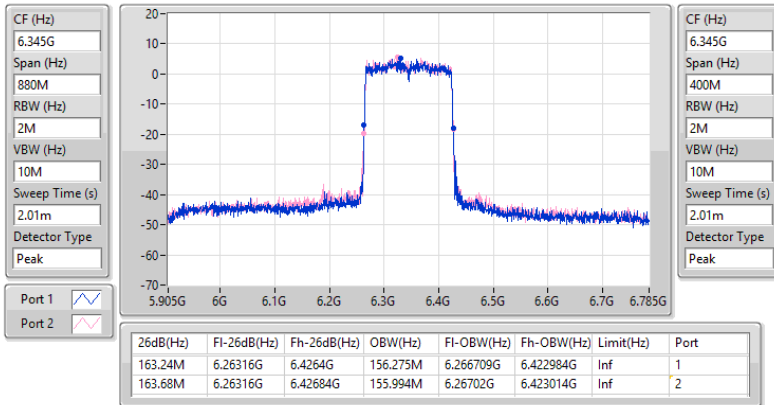

5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6185MHz

13/09/2023

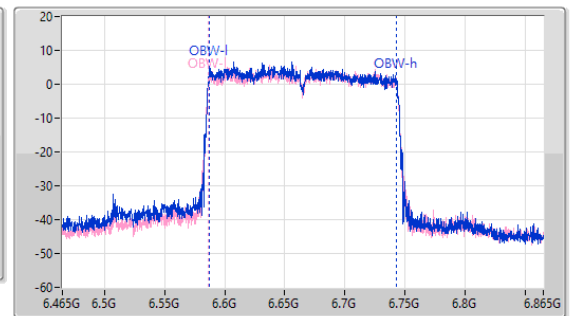
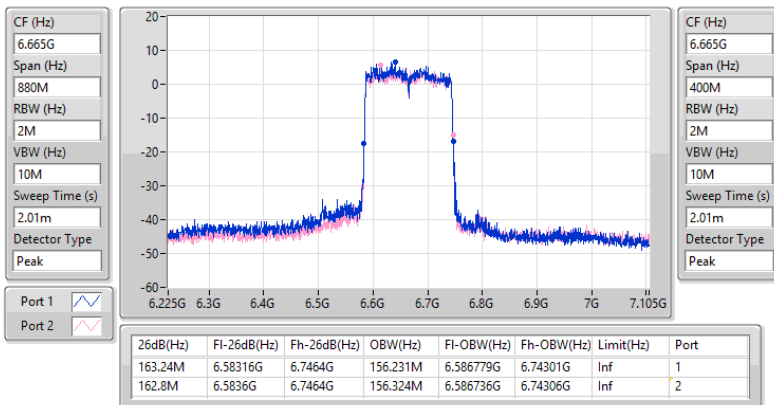


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6345MHz

13/09/2023


6.525-6.875GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6665MHz

13/09/2023



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)_4TX	23.045M	19.18M	19M2D1D	20.955M	19.027M
802.11ax HEW20_Nss4,(MCS0)_4TX	22.77M	19.09M	19M1D1D	20.9M	18.994M
802.11ax HEW40_Nss1,(MCS0)_4TX	44.33M	37.869M	37M9D1D	40.15M	37.662M
802.11ax HEW40_Nss4,(MCS0)_4TX	45.32M	37.905M	37M9D1D	40.04M	37.7M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.16M	77.411M	77M4D1D	80.96M	77.212M
802.11ax HEW80_Nss4,(MCS0)_4TX	85.36M	77.509M	77M5D1D	81.18M	77.245M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.44M	156.573M	157MD1D	162.8M	155.822M
802.11ax HEW160_Nss4,(MCS0)_4TX	164.56M	156.945M	157MD1D	161.92M	155.974M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	23.045M	19.142M	19M1D1D	21.34M	19.029M
802.11ax HEW20_Nss4,(MCS0)_4TX	23.265M	19.085M	19M1D1D	21.285M	19.001M
802.11ax HEW40_Nss1,(MCS0)_4TX	43.23M	37.983M	38M0D1D	40.26M	37.697M
802.11ax HEW40_Nss4,(MCS0)_4TX	43.45M	37.856M	37M9D1D	40.26M	37.728M
802.11ax HEW80_Nss1,(MCS0)_4TX	83.38M	77.444M	77M4D1D	80.74M	77.193M
802.11ax HEW80_Nss4,(MCS0)_4TX	89.54M	77.435M	77M4D1D	83.38M	77.207M
802.11ax HEW160_Nss1,(MCS0)_4TX	165M	156.493M	156MD1D	162.36M	156.076M
802.11ax HEW160_Nss4,(MCS0)_4TX	165M	156.619M	157MD1D	162.8M	156.074M

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

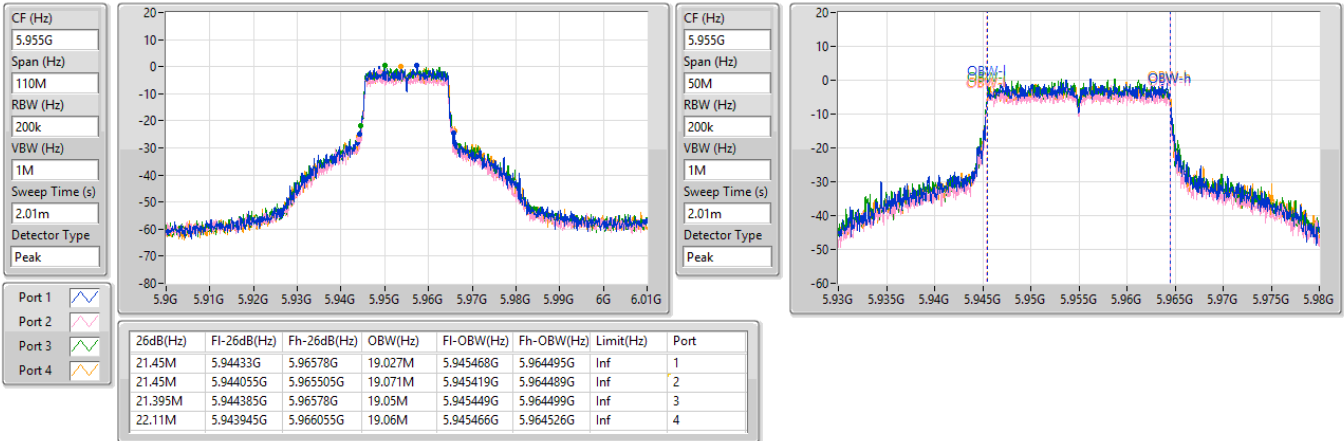
**Result**

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)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.45M	19.027M	21.45M	19.071M	21.395M	19.05M	22.11M	19.06M
6195MHz	Pass	Inf	20.955M	19.08M	22.055M	19.112M	21.45M	19.05M	22.77M	19.094M
6415MHz	Pass	Inf	21.175M	19.027M	22M	19.104M	23.045M	19.18M	21.01M	19.037M
6535MHz	Pass	Inf	21.395M	19.063M	21.615M	19.065M	21.45M	19.067M	21.395M	19.088M
6695MHz	Pass	Inf	23.045M	19.058M	21.725M	19.077M	21.56M	19.049M	22.77M	19.029M
6855MHz	Pass	Inf	21.505M	19.087M	21.56M	19.06M	21.34M	19.142M	21.67M	19.101M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.26M	37.824M	42.79M	37.848M	44.33M	37.662M	41.58M	37.85M
6205MHz	Pass	Inf	40.15M	37.775M	41.91M	37.869M	40.59M	37.803M	42.13M	37.777M
6405MHz	Pass	Inf	41.03M	37.712M	42.68M	37.74M	41.36M	37.806M	40.15M	37.795M
6565MHz	Pass	Inf	40.92M	37.722M	42.13M	37.872M	41.03M	37.748M	41.69M	37.808M
6685MHz	Pass	Inf	40.37M	37.697M	40.26M	37.826M	40.26M	37.721M	41.91M	37.812M
6845MHz	Pass	Inf	40.37M	37.767M	43.23M	37.745M	40.92M	37.813M	40.48M	37.983M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.4M	77.254M	82.06M	77.367M	80.96M	77.385M	81.62M	77.212M
6225MHz	Pass	Inf	81.62M	77.336M	81.4M	77.357M	81.62M	77.411M	80.96M	77.302M
6385MHz	Pass	Inf	83.16M	77.373M	82.06M	77.337M	82.06M	77.275M	81.4M	77.309M
6625MHz	Pass	Inf	81.62M	77.339M	82.72M	77.195M	80.74M	77.286M	81.4M	77.444M
6705MHz	Pass	Inf	81.84M	77.319M	80.74M	77.429M	82.72M	77.372M	81.84M	77.335M
6785MHz	Pass	Inf	82.5M	77.193M	81.18M	77.373M	81.62M	77.338M	83.38M	77.4M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	165M	156.1M	164.56M	156.334M	163.24M	155.822M	164.12M	156.051M
6185MHz	Pass	Inf	164.12M	156.457M	164.12M	156.156M	164.12M	156.437M	165.44M	156.573M
6345MHz	Pass	Inf	163.68M	155.886M	164.56M	156.307M	162.8M	156.18M	165.44M	156.03M
6665MHz	Pass	Inf	162.8M	156.076M	165M	156.493M	162.36M	156.22M	163.24M	156.314M
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	22.055M	19.051M	21.725M	18.994M	21.01M	19.058M	21.34M	19.052M
6195MHz	Pass	Inf	21.45M	19.042M	21.34M	19.084M	21.56M	19.089M	22.77M	19.09M
6415MHz	Pass	Inf	22M	19.02M	21.45M	19.043M	20.9M	19.068M	21.34M	19.086M
6535MHz	Pass	Inf	21.395M	19.018M	22.275M	19.02M	21.835M	19.067M	23.265M	19.085M
6695MHz	Pass	Inf	21.45M	19.08M	21.45M	19.037M	21.505M	19.048M	21.45M	19.048M
6855MHz	Pass	Inf	21.285M	19.001M	22.055M	19.074M	21.835M	19.035M	23.155M	19.027M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	45.32M	37.78M	40.26M	37.713M	41.03M	37.832M	43.89M	37.744M
6205MHz	Pass	Inf	40.81M	37.7M	42.13M	37.905M	40.81M	37.769M	42.9M	37.811M
6405MHz	Pass	Inf	40.04M	37.85M	42.02M	37.752M	41.14M	37.748M	40.81M	37.715M
6565MHz	Pass	Inf	40.48M	37.776M	40.26M	37.856M	40.7M	37.836M	43.45M	37.851M
6685MHz	Pass	Inf	40.7M	37.855M	41.69M	37.728M	40.26M	37.779M	40.7M	37.835M
6845MHz	Pass	Inf	40.7M	37.741M	41.25M	37.819M	40.37M	37.784M	42.13M	37.748M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.62M	77.292M	84.26M	77.509M	81.18M	77.368M	84.04M	77.369M
6225MHz	Pass	Inf	85.36M	77.345M	84.48M	77.28M	84.92M	77.245M	81.4M	77.402M
6385MHz	Pass	Inf	83.38M	77.305M	84.7M	77.261M	85.36M	77.358M	84.04M	77.423M
6625MHz	Pass	Inf	85.14M	77.214M	83.38M	77.311M	83.82M	77.207M	84.48M	77.37M
6705MHz	Pass	Inf	84.26M	77.411M	84.04M	77.435M	83.6M	77.227M	83.82M	77.273M
6785MHz	Pass	Inf	85.36M	77.221M	84.48M	77.423M	89.54M	77.419M	85.14M	77.386M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	164.12M	156.373M	164.12M	156.456M	164.12M	156.278M	164.12M	156.379M
6185MHz	Pass	Inf	164.12M	156.32M	164.12M	156.216M	163.68M	156.156M	164.56M	156.945M
6345MHz	Pass	Inf	163.68M	156.173M	164.12M	156.067M	161.92M	155.974M	164.56M	156.447M
6665MHz	Pass	Inf	162.8M	156.619M	165M	156.134M	163.24M	156.074M	164.12M	156.363M

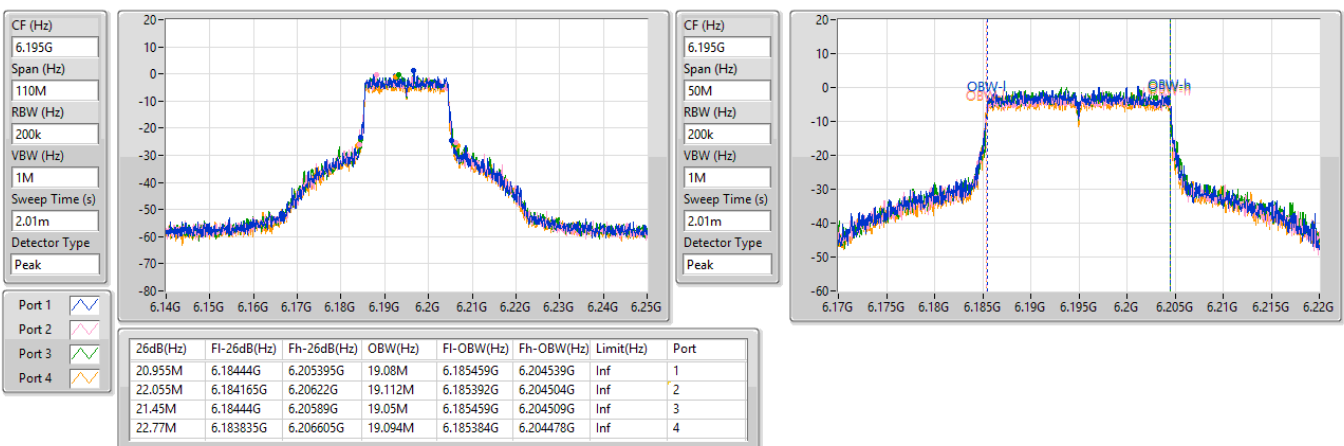
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
5955MHz

13/09/2023

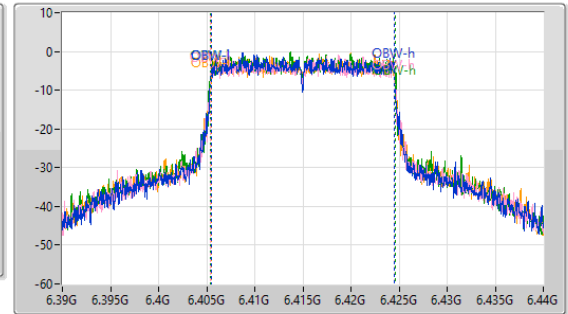
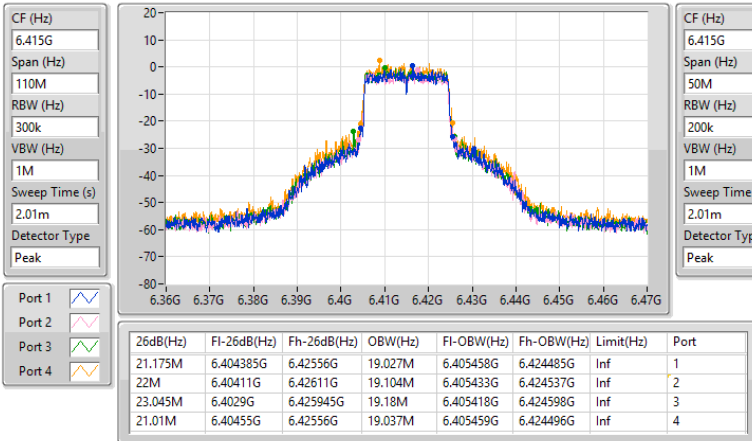

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6195MHz

13/09/2023

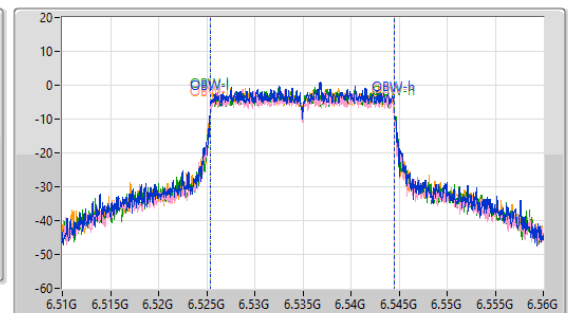
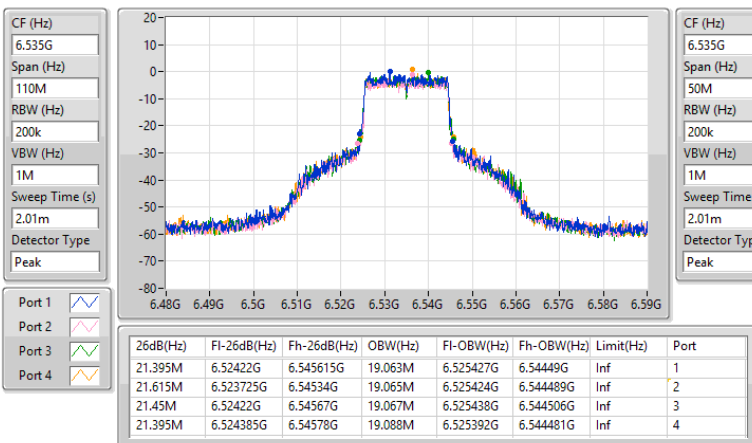


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6415MHz

13/09/2023

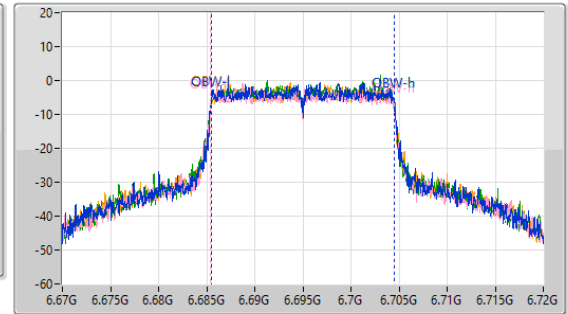
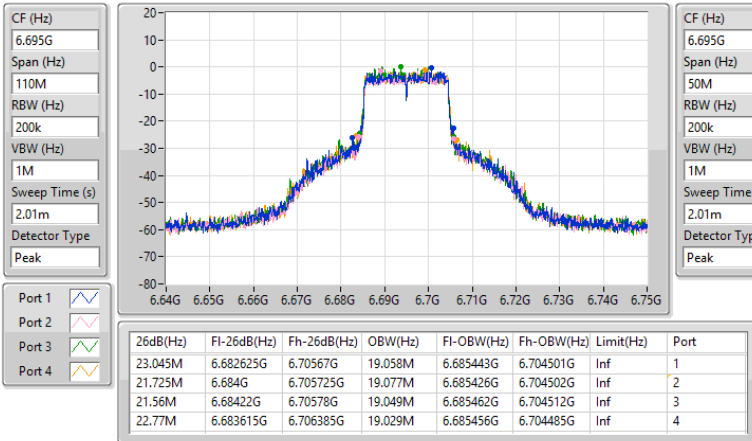

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6535MHz

13/09/2023

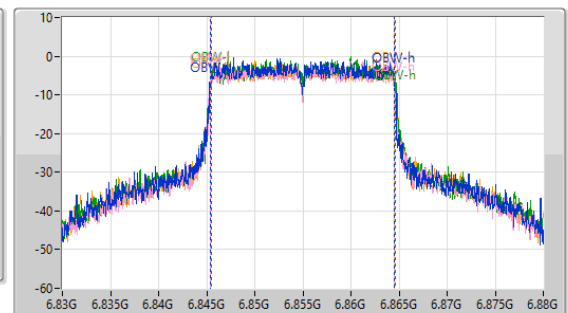
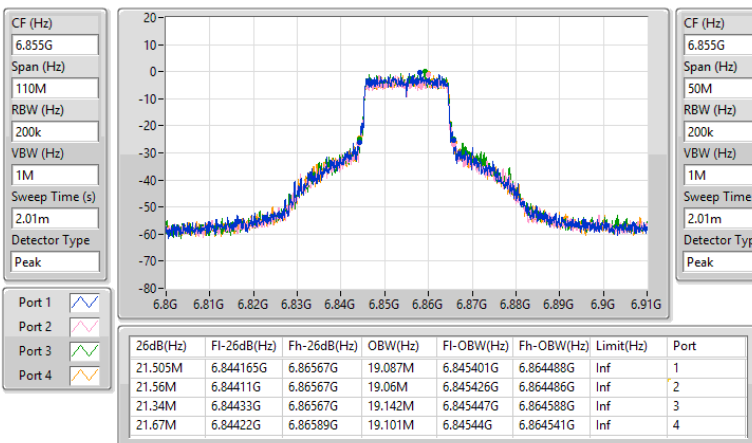


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6695MHz

13/09/2023

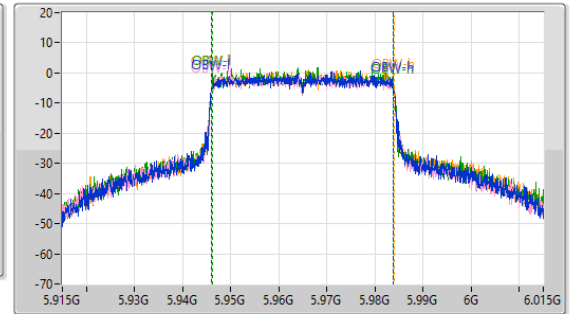
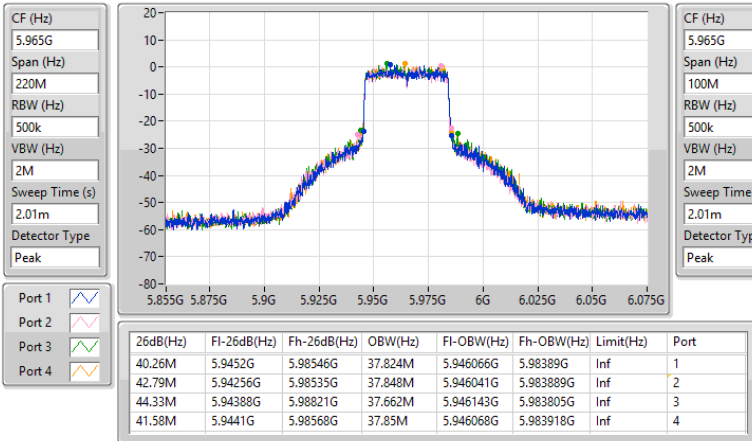

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6855MHz

13/09/2023

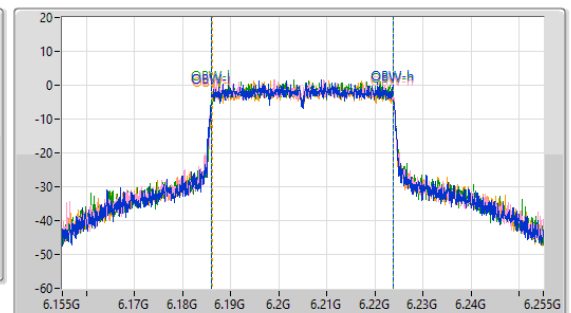
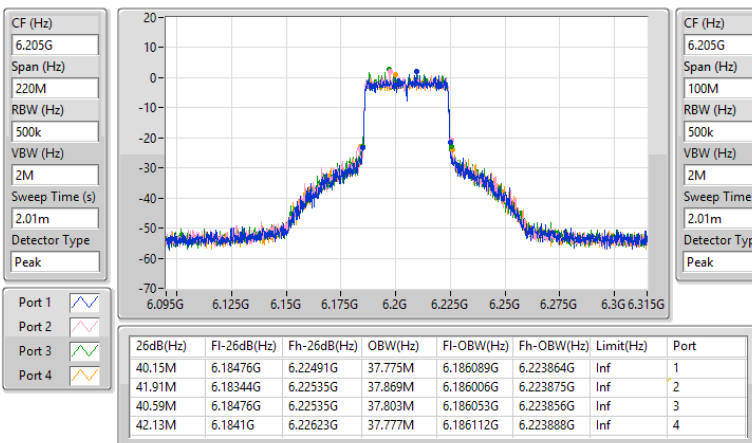


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5965MHz

13/09/2023

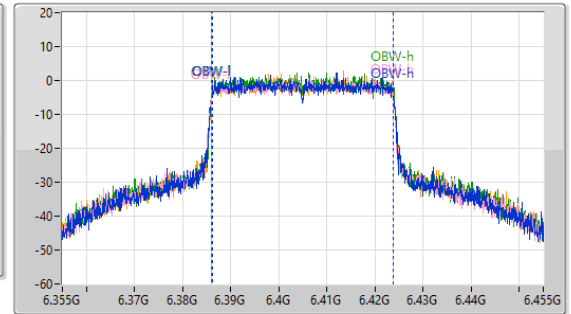
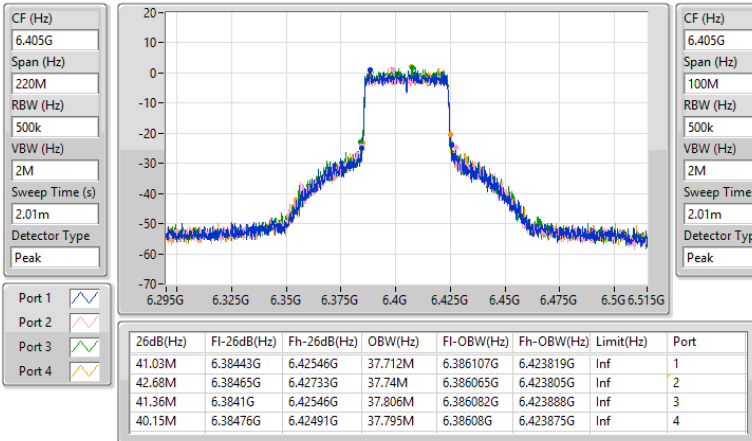

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6205MHz

13/09/2023

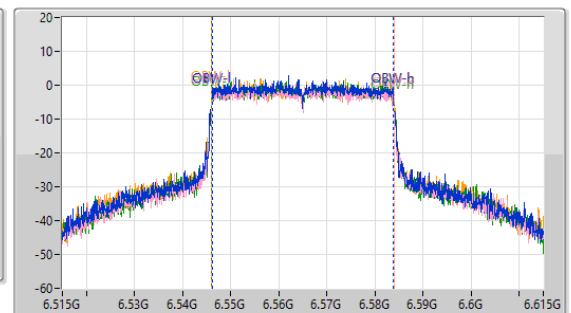
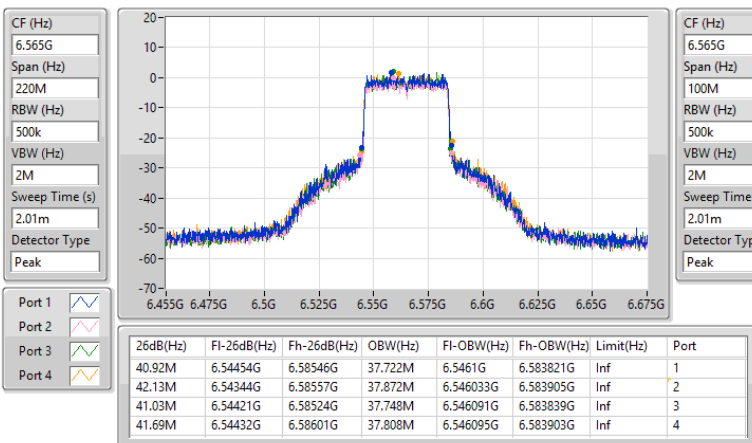


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6405MHz

13/09/2023

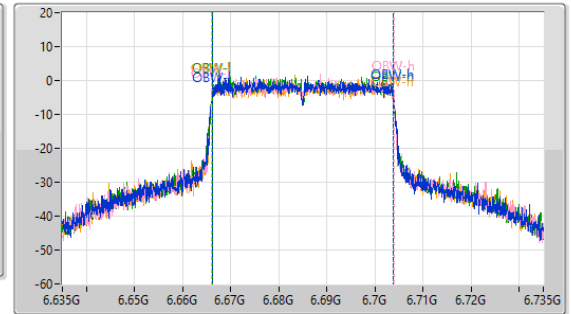
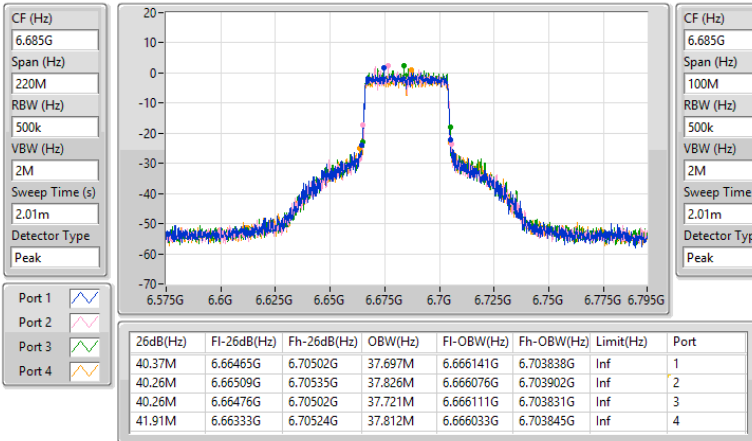

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6565MHz

13/09/2023

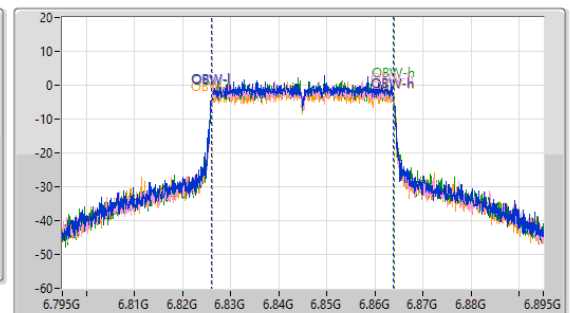
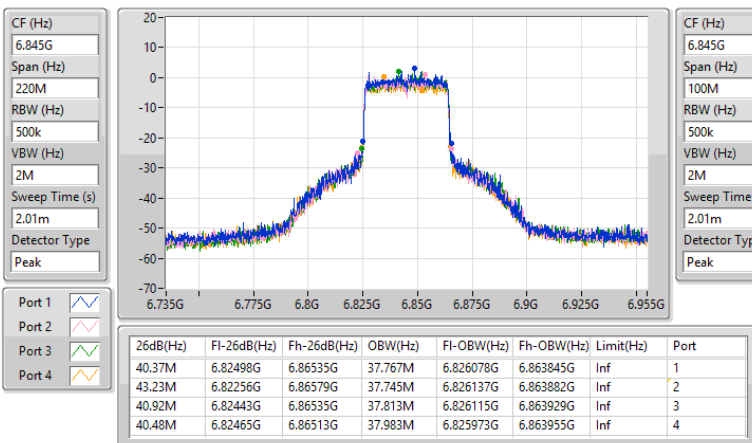


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6685MHz

13/09/2023

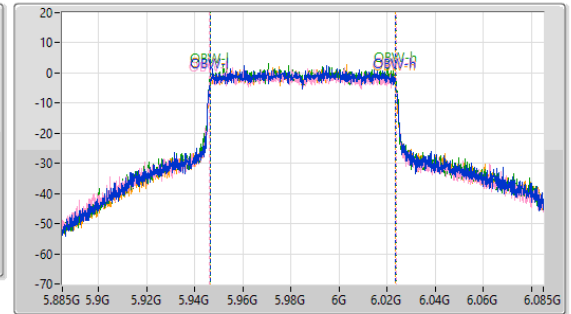
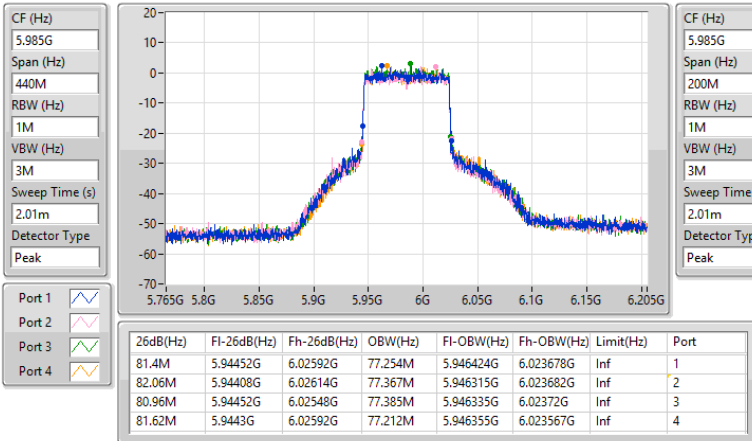

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6845MHz

13/09/2023

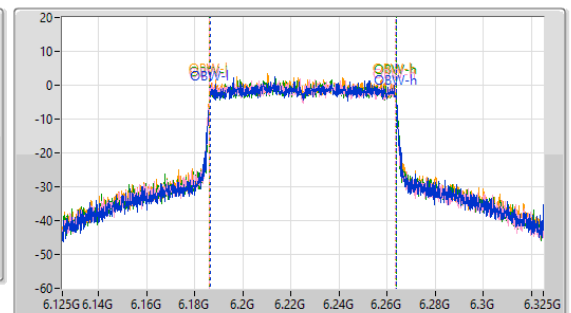
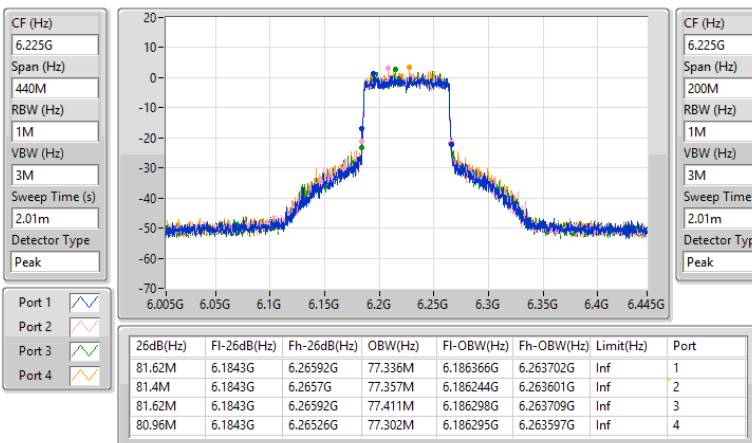


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5985MHz

13/09/2023

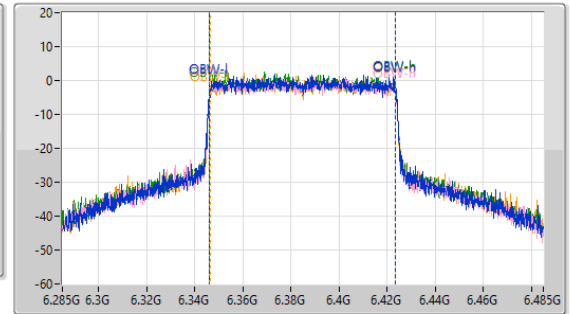
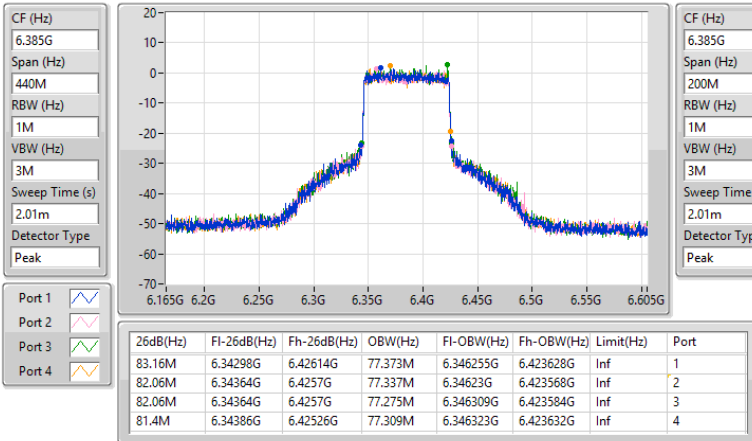

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6225MHz

13/09/2023

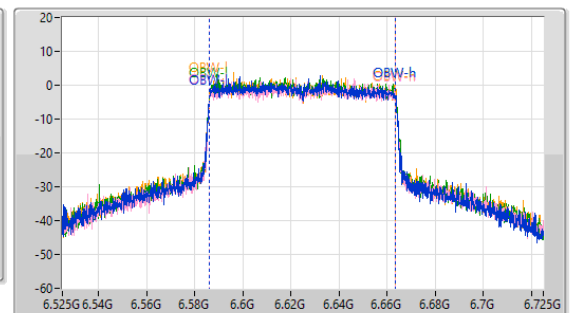
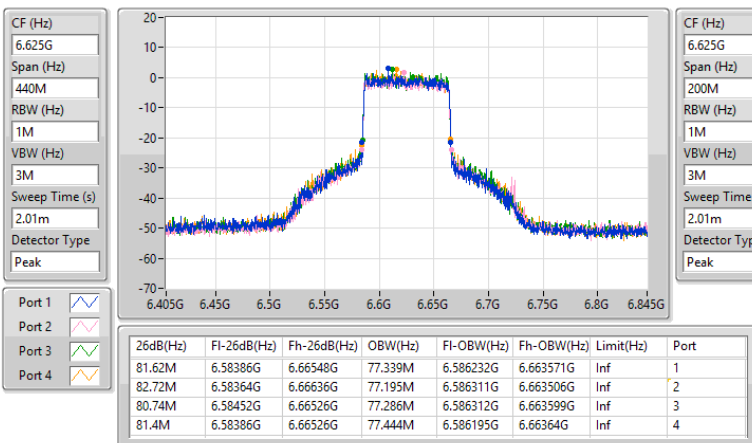


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6385MHz

13/09/2023

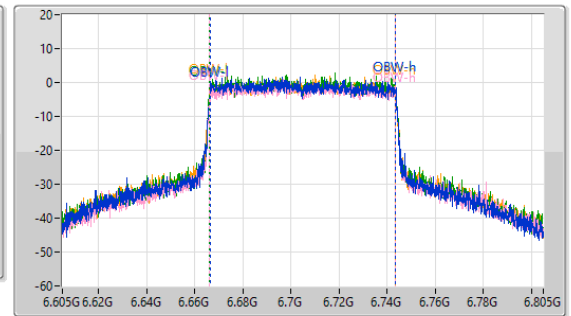
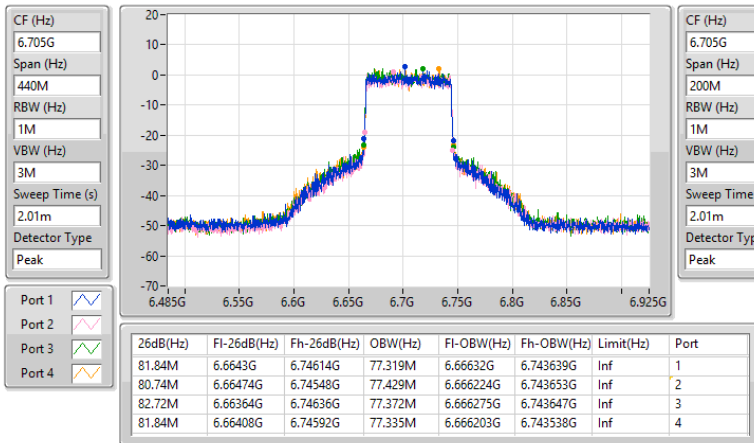

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6625MHz

13/09/2023

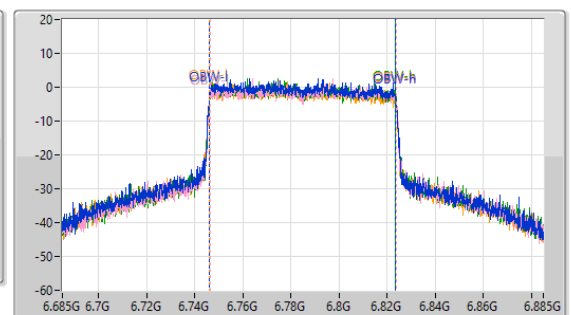
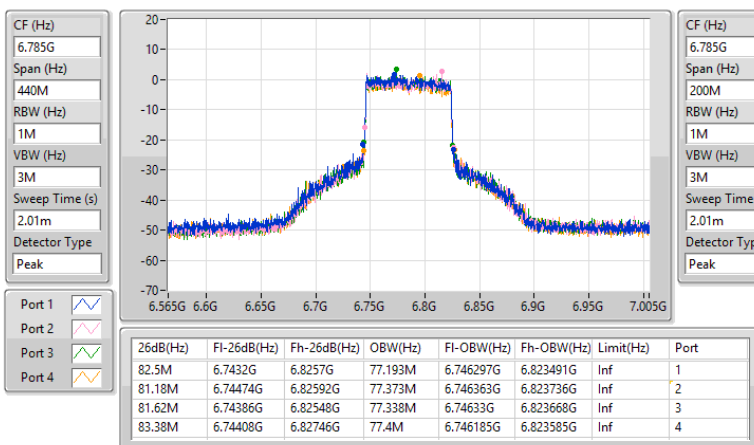


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6705MHz

13/09/2023

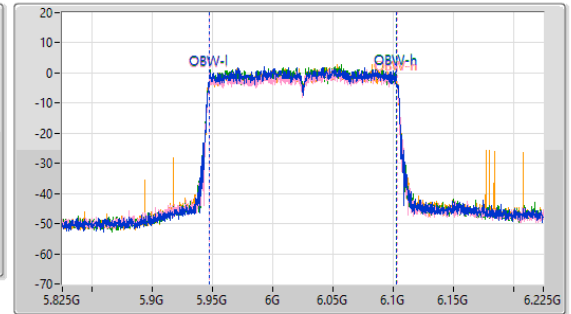
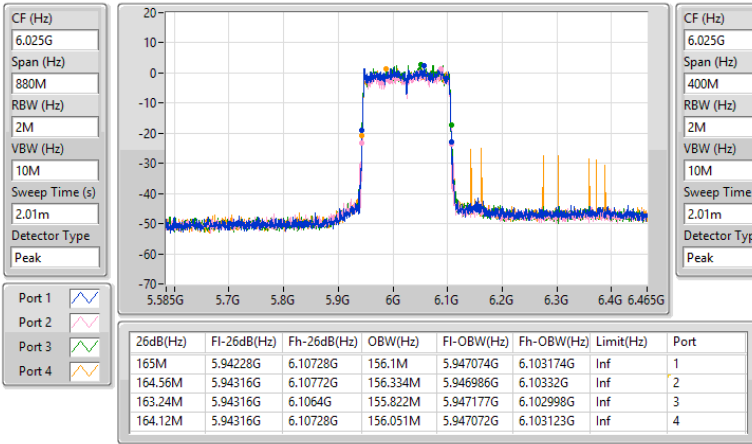

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6785MHz

13/09/2023

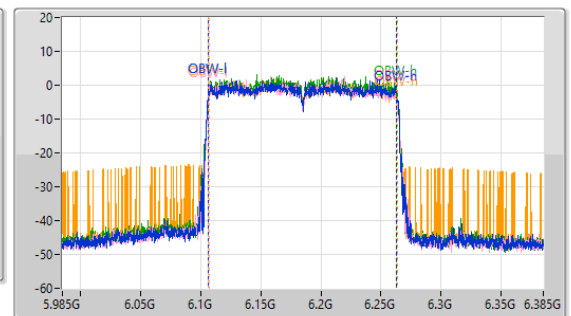
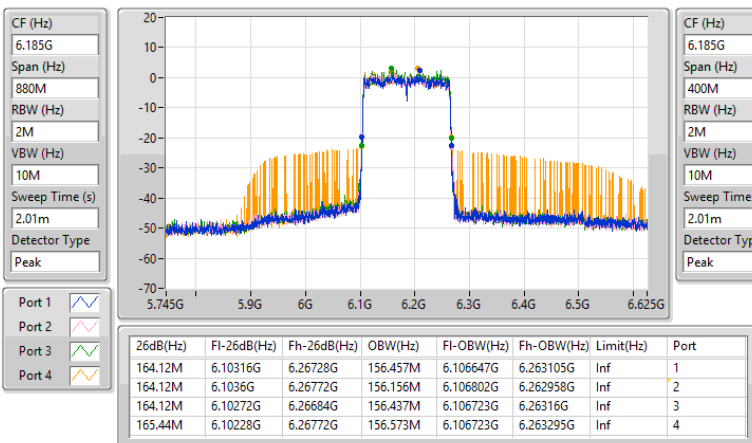


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6025MHz

13/09/2023

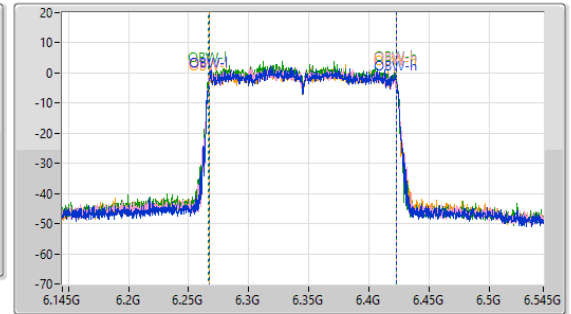
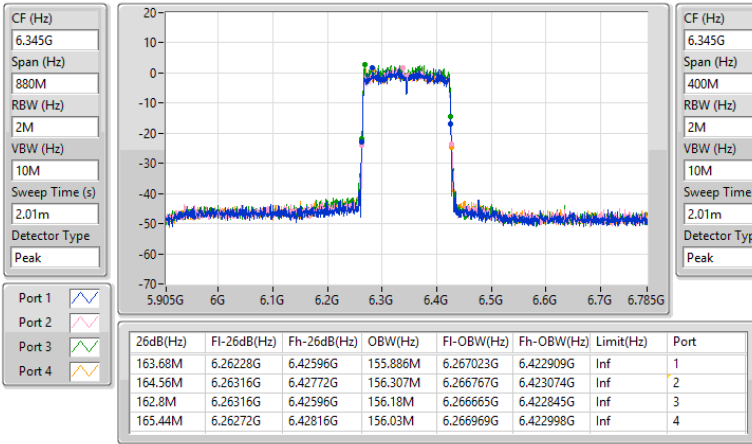

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6185MHz

13/09/2023

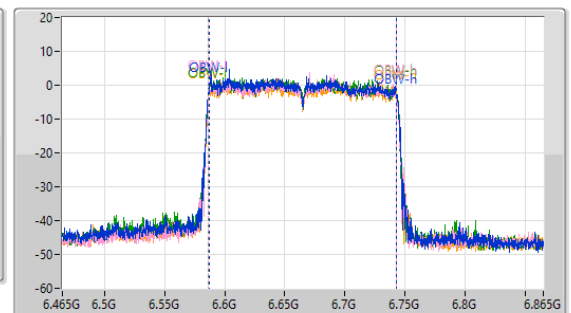
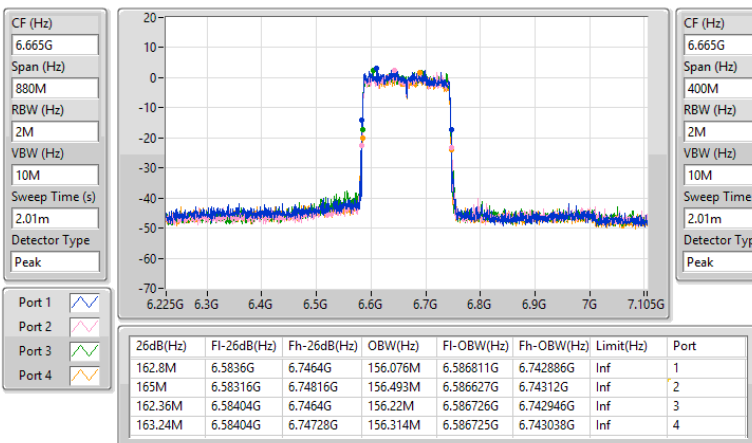


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6345MHz

13/09/2023

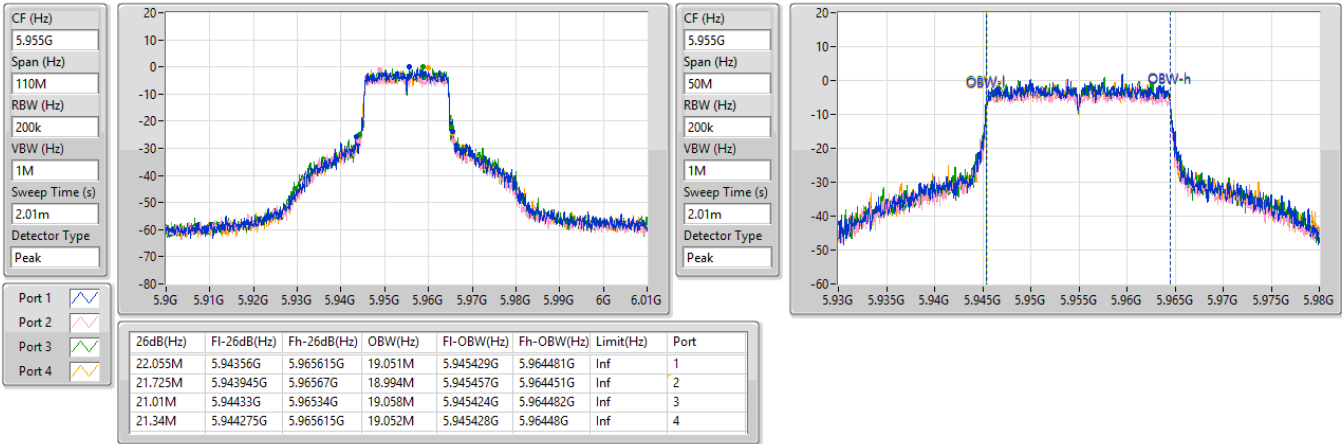

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6665MHz

13/09/2023

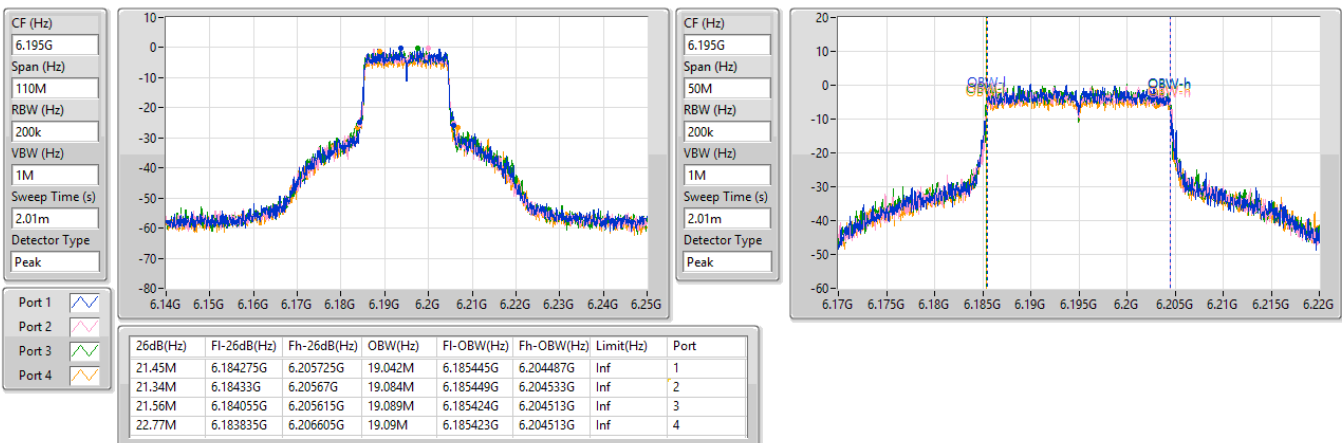


5.925-6.425GHz_802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
5955MHz

13/09/2023

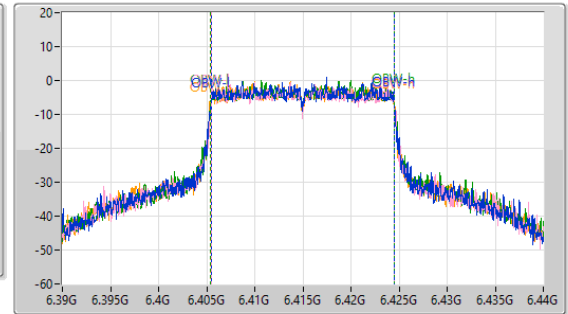
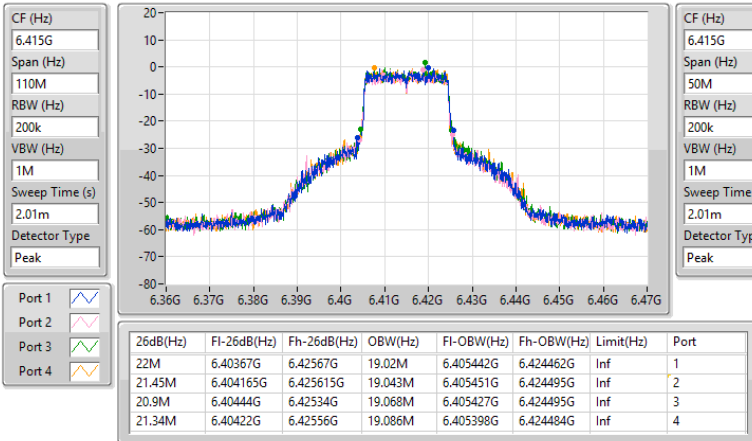

5.925-6.425GHz_802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
6195MHz

13/09/2023

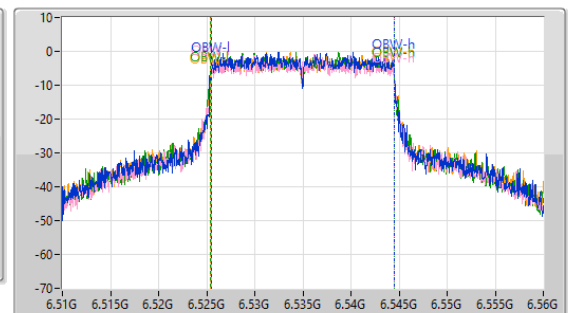
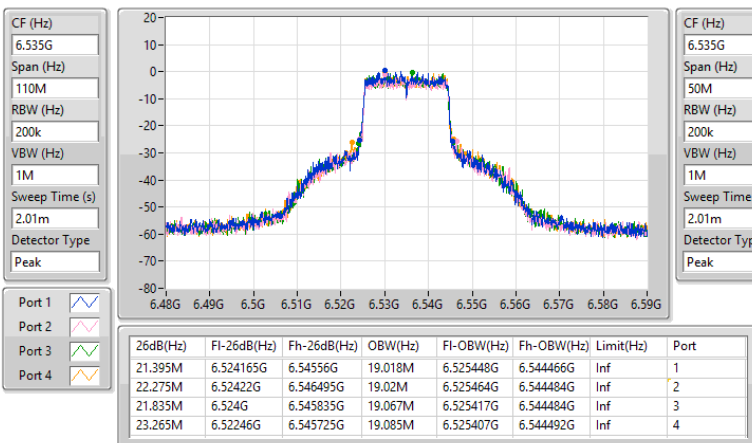


5.925-6.425GHz_802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
6415MHz

13/09/2023

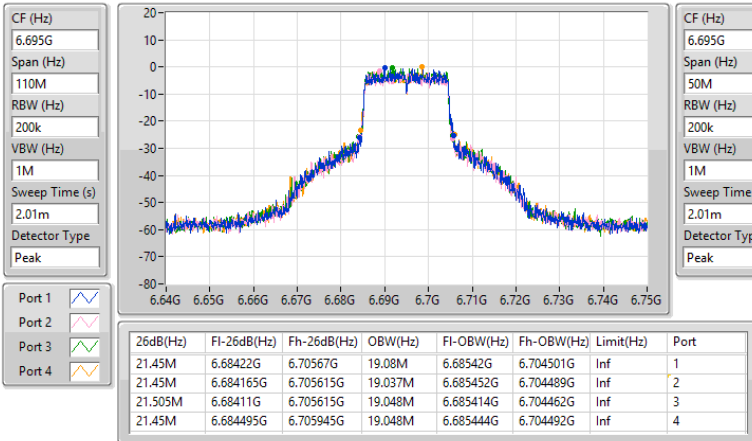

6.525-6.875GHz_802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
6535MHz

13/09/2023

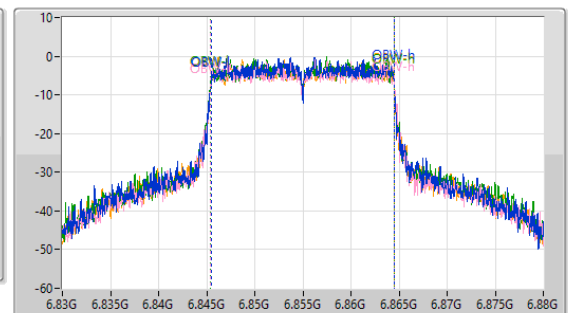
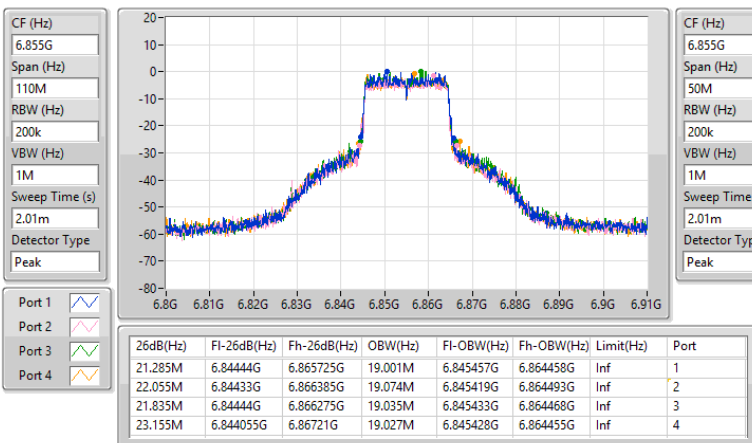


6.525-6.875GHz_802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
6695MHz

13/09/2023

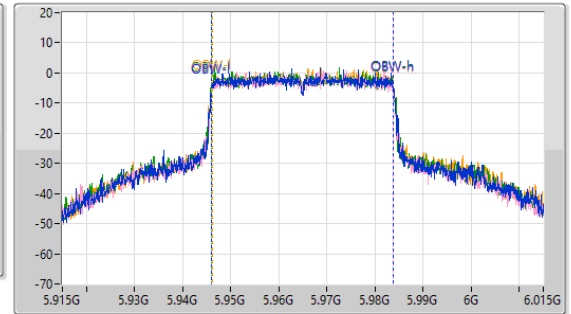
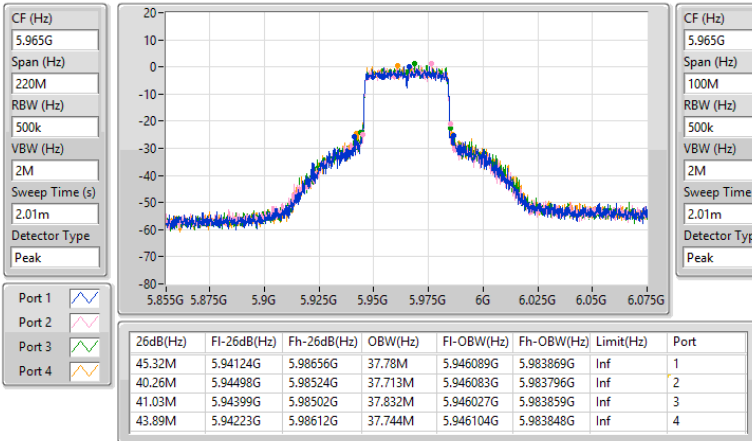

6.525-6.875GHz_802.11ax HEW20_Nss4,(MCS0)_4TX
EBW
6855MHz

13/09/2023

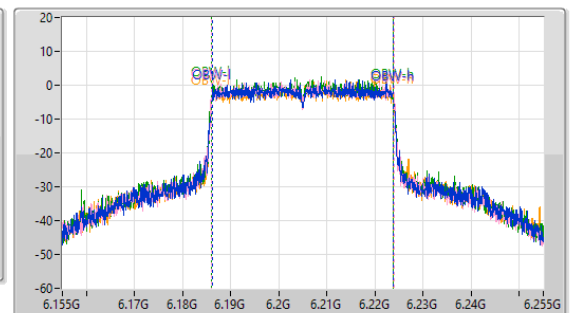
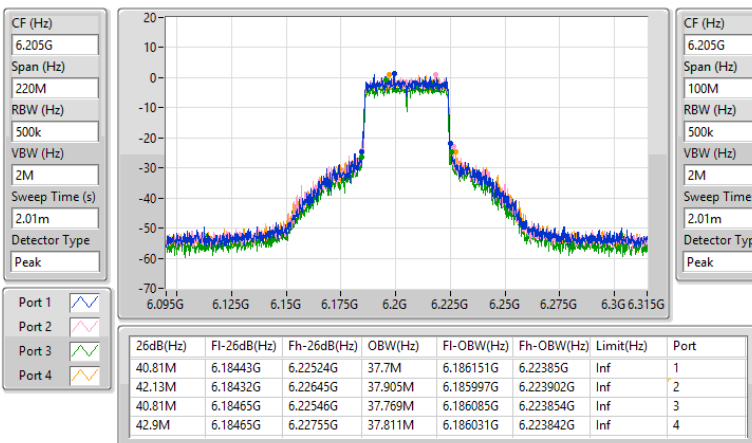


5.925-6.425GHz_802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5965MHz

13/09/2023

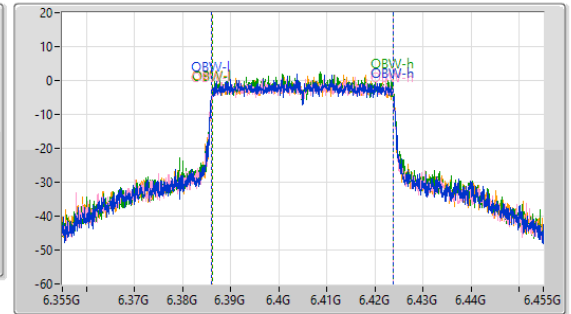
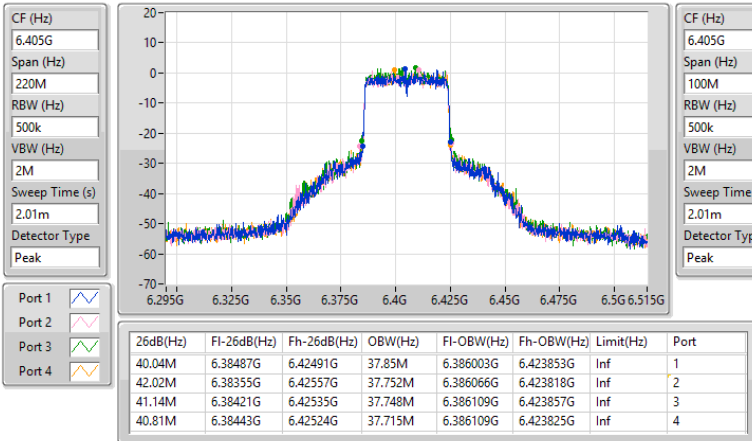

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EBW
6205MHz

13/09/2023

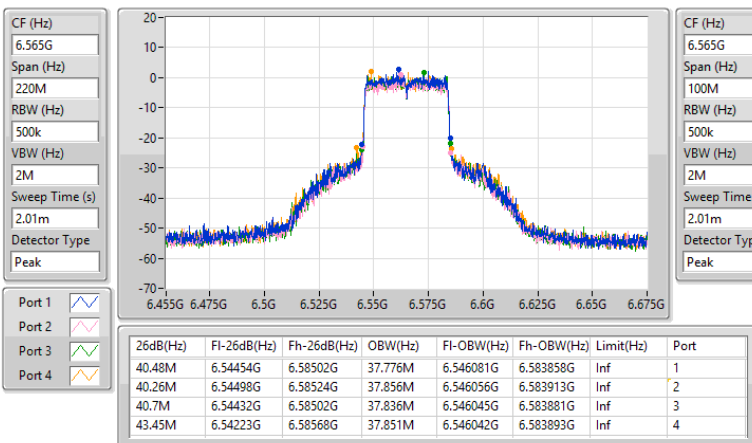


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EBW
6405MHz

13/09/2023

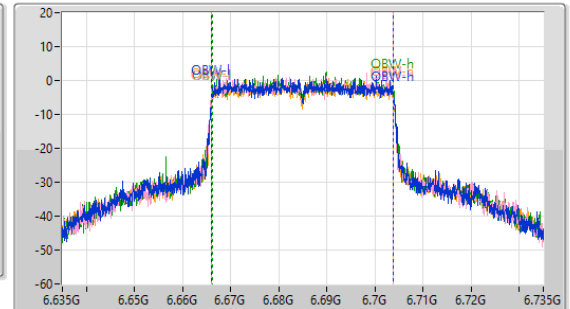
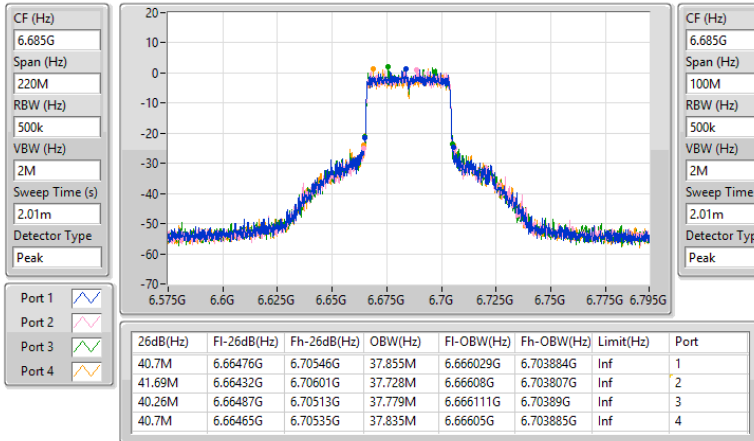

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EBW
6565MHz

13/09/2023

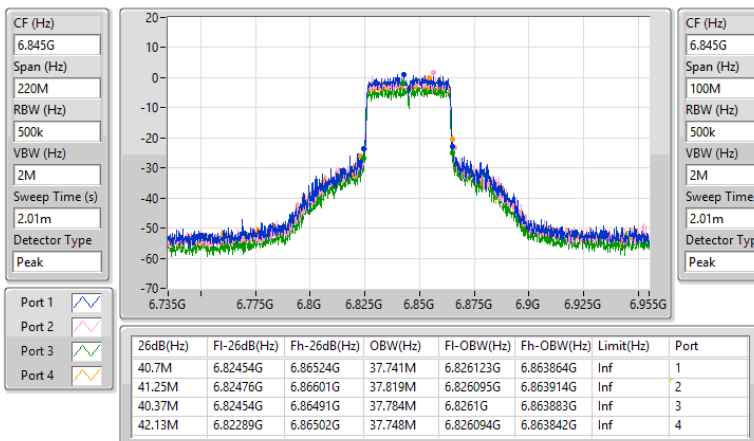


6.525-6.875GHz_802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
6685MHz

13/09/2023

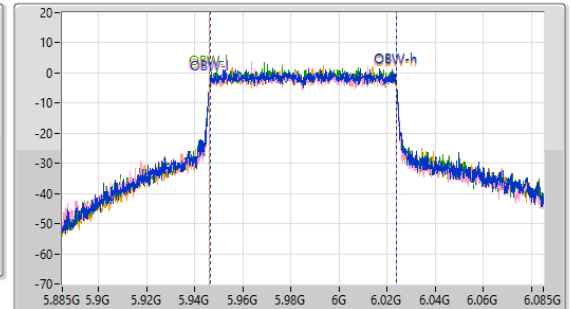
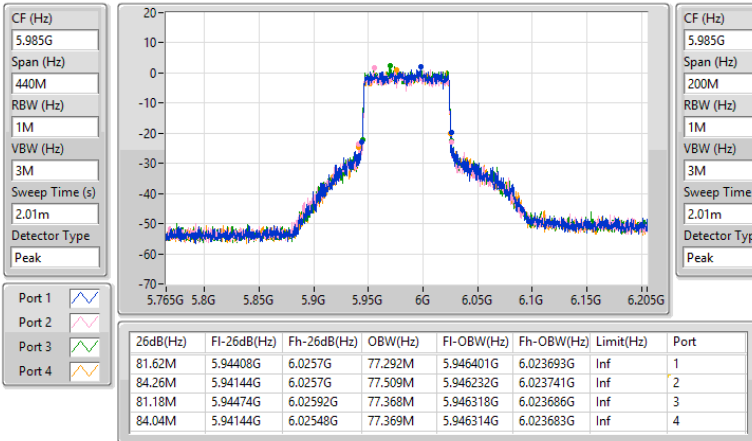

6.525-6.875GHz_802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
6845MHz

13/09/2023

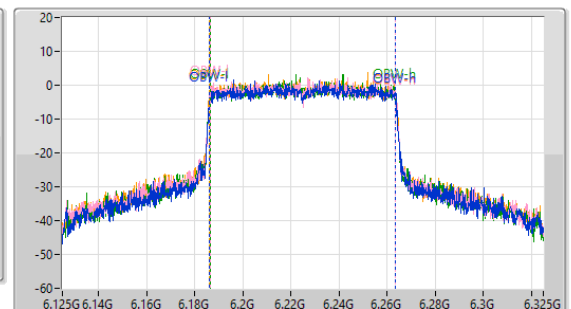
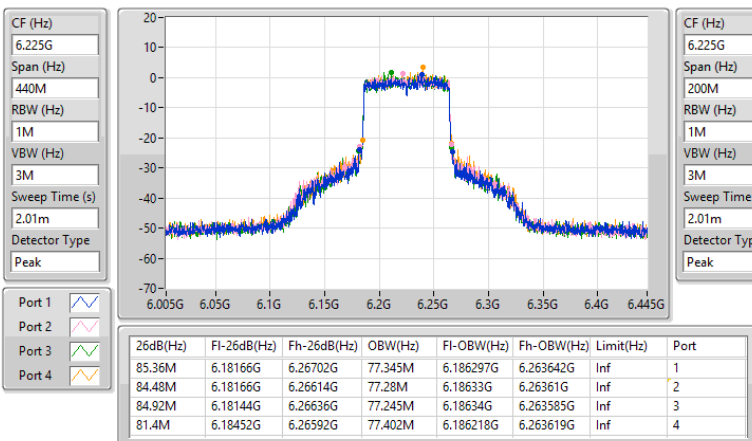


5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
5985MHz

13/09/2023

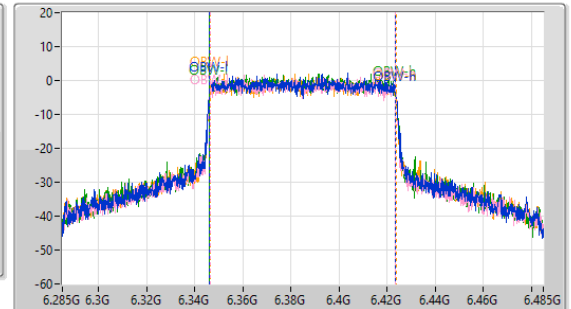
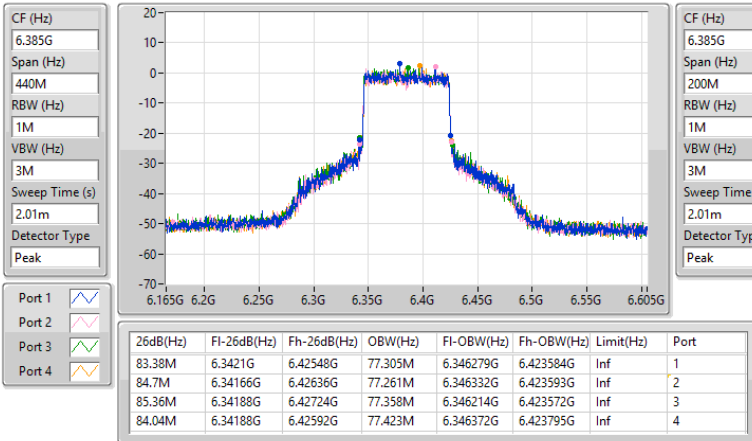

5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6225MHz

13/09/2023

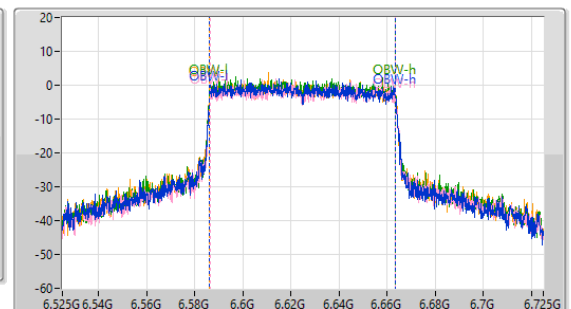
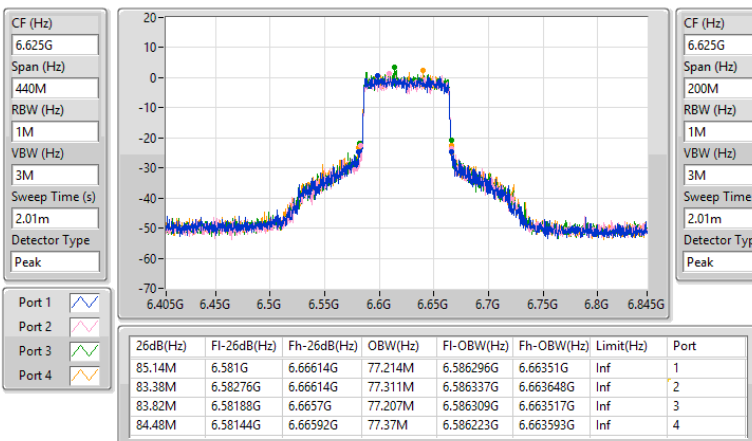


5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6385MHz

13/09/2023

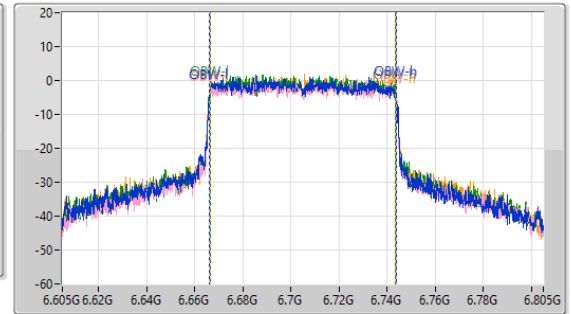
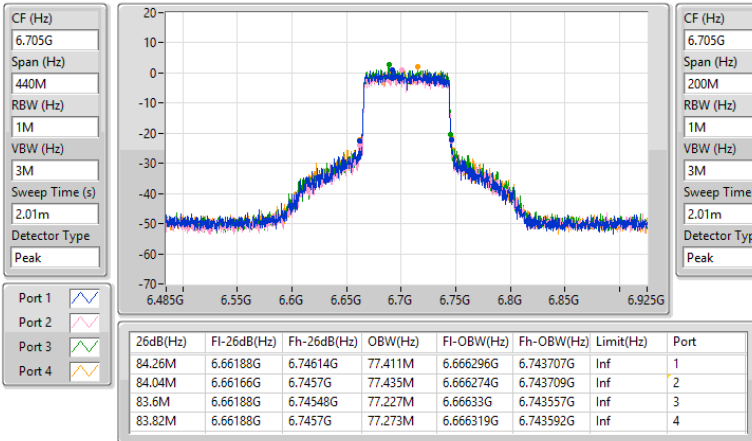

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6625MHz

13/09/2023

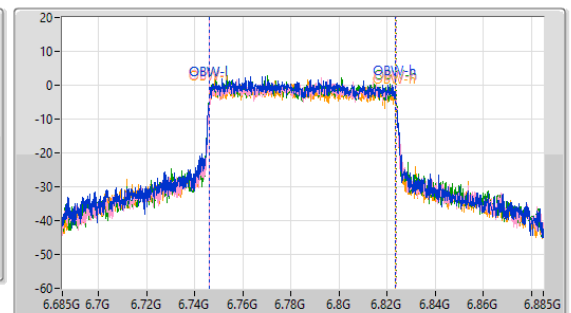
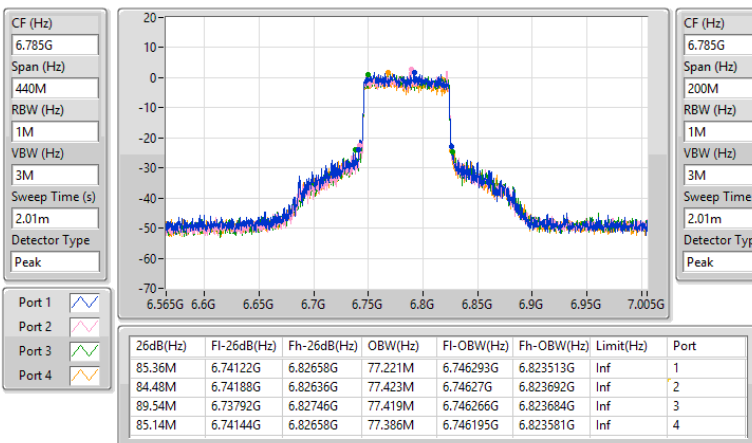


6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6705MHz

13/09/2023

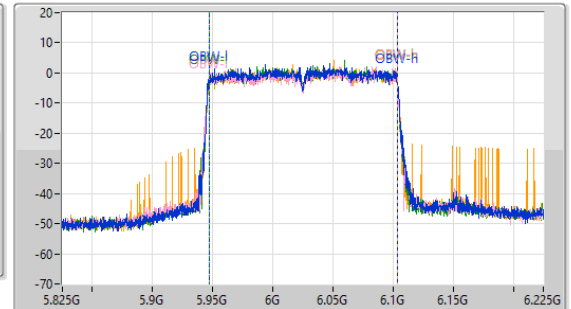
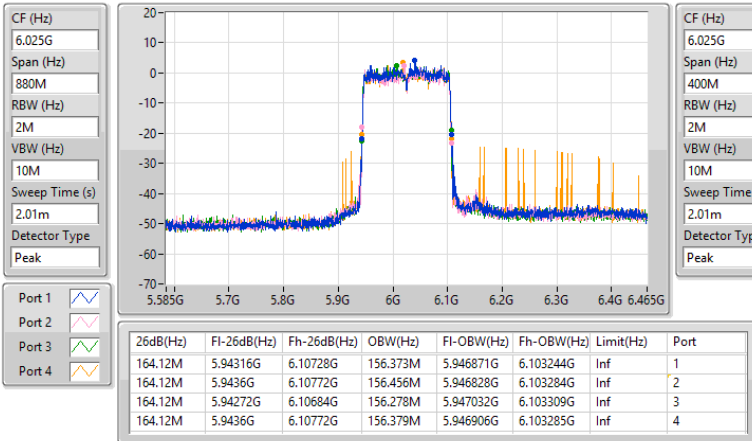

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6785MHz

13/09/2023

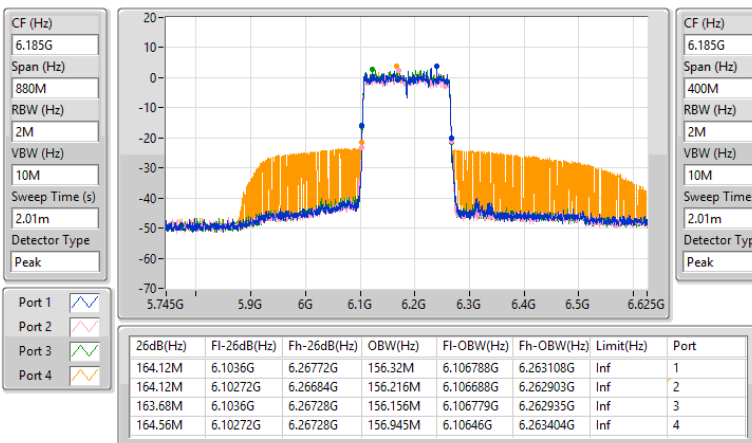


5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
6025MHz

13/09/2023

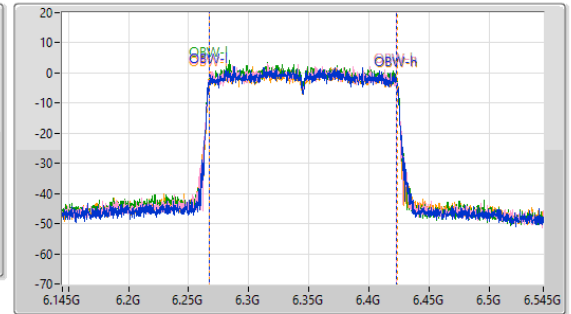
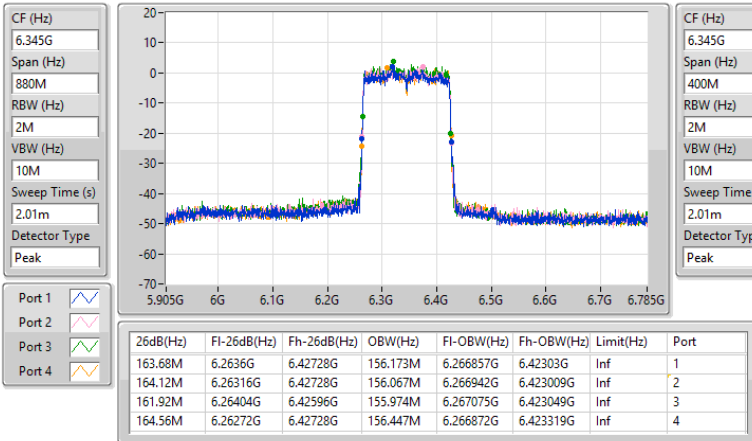

5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
6185MHz

13/09/2023

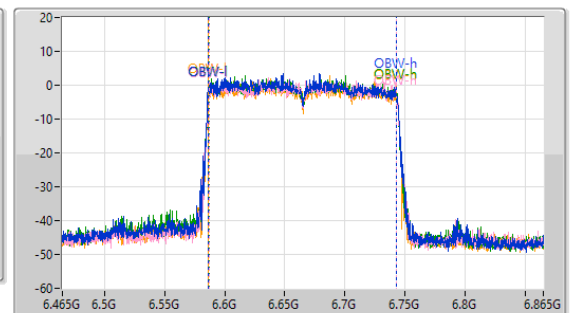
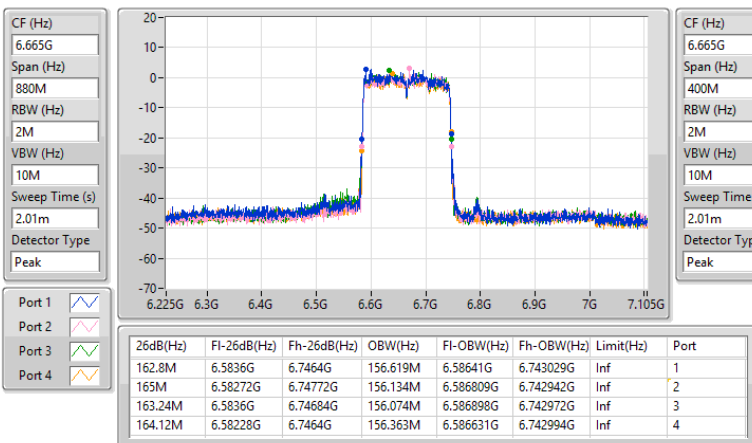


5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
6345MHz

13/09/2023


6.525-6.875GHz_802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
6665MHz

13/09/2023



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-BF_Nss1,(MCS0)_4TX	24.035M	19.157M	19M2D1D	21.505M	19.06M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	43.01M	37.868M	37M9D1D	40.48M	37.768M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	83.82M	77.44M	77M4D1D	81.4M	77.275M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.44M	156.809M	157MD1D	163.24M	155.959M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.925M	19.153M	19M2D1D	21.56M	19.048M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	43.12M	37.921M	37M9D1D	40.59M	37.772M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	84.48M	77.528M	77M5D1D	81.18M	77.265M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.88M	156.515M	157MD1D	163.68M	156.155M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.505M	19.06M	21.78M	19.067M	21.725M	19.126M	22M	19.106M
6195MHz	Pass	Inf	24.035M	19.106M	22.44M	19.157M	21.505M	19.089M	21.725M	19.118M
6415MHz	Pass	Inf	22.33M	19.123M	22M	19.104M	21.725M	19.107M	22.385M	19.135M
6535MHz	Pass	Inf	23.925M	19.134M	21.67M	19.118M	23.1M	19.079M	21.56M	19.14M
6695MHz	Pass	Inf	23.43M	19.075M	22.11M	19.115M	22.165M	19.048M	21.725M	19.153M
6855MHz	Pass	Inf	23.815M	19.067M	22.825M	19.117M	22.055M	19.113M	22.55M	19.111M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.81M	37.805M	41.14M	37.835M	40.48M	37.768M	43.01M	37.863M
6205MHz	Pass	Inf	41.14M	37.791M	42.24M	37.868M	41.36M	37.868M	41.03M	37.842M
6405MHz	Pass	Inf	40.7M	37.771M	41.47M	37.829M	41.8M	37.839M	42.68M	37.824M
6565MHz	Pass	Inf	40.81M	37.921M	43.12M	37.816M	41.69M	37.85M	40.59M	37.869M
6685MHz	Pass	Inf	41.58M	37.804M	40.59M	37.772M	40.81M	37.826M	41.03M	37.846M
6845MHz	Pass	Inf	41.14M	37.864M	40.81M	37.794M	41.36M	37.861M	40.7M	37.822M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	82.72M	77.386M	82.06M	77.365M	82.72M	77.369M	81.62M	77.414M
6225MHz	Pass	Inf	83.16M	77.327M	82.06M	77.275M	81.62M	77.44M	83.82M	77.324M
6385MHz	Pass	Inf	83.82M	77.295M	81.4M	77.398M	83.82M	77.313M	81.84M	77.384M
6625MHz	Pass	Inf	82.06M	77.265M	81.84M	77.365M	81.18M	77.326M	84.04M	77.463M
6705MHz	Pass	Inf	82.06M	77.454M	81.62M	77.386M	83.6M	77.528M	83.82M	77.381M
6785MHz	Pass	Inf	81.84M	77.338M	81.18M	77.463M	84.48M	77.472M	83.6M	77.391M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	163.68M	156.396M	165.44M	156.434M	165M	156.318M	164.56M	156.313M
6185MHz	Pass	Inf	163.24M	156.371M	164.56M	156.432M	164.12M	156.407M	164.12M	156.809M
6345MHz	Pass	Inf	163.68M	156.25M	163.68M	156.316M	164.12M	155.959M	164.12M	156.357M
6665MHz	Pass	Inf	163.68M	156.206M	165.88M	156.155M	165.44M	156.515M	163.68M	156.481M

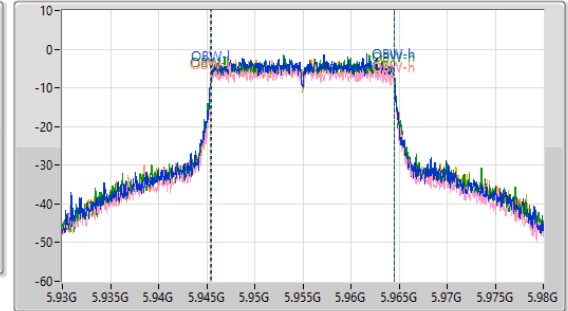
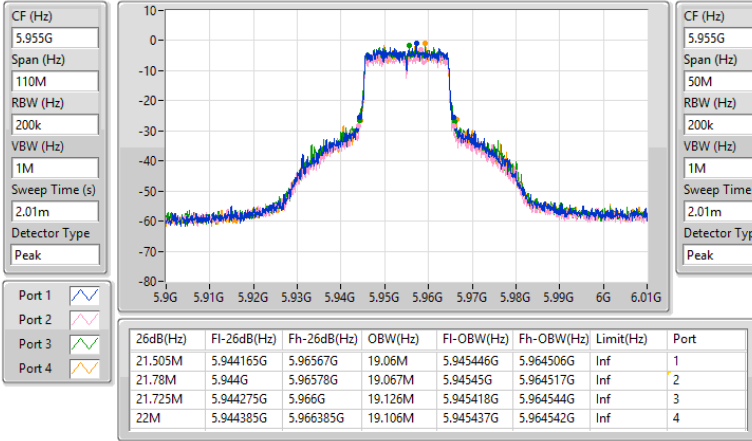
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5955MHz

13/09/2023

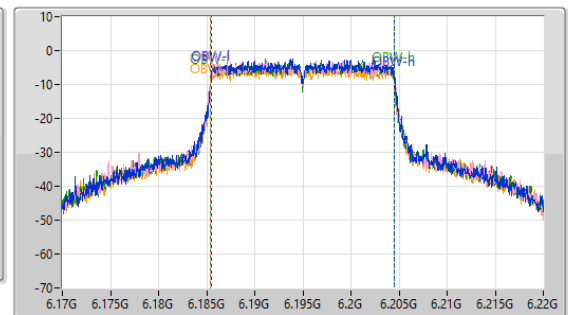
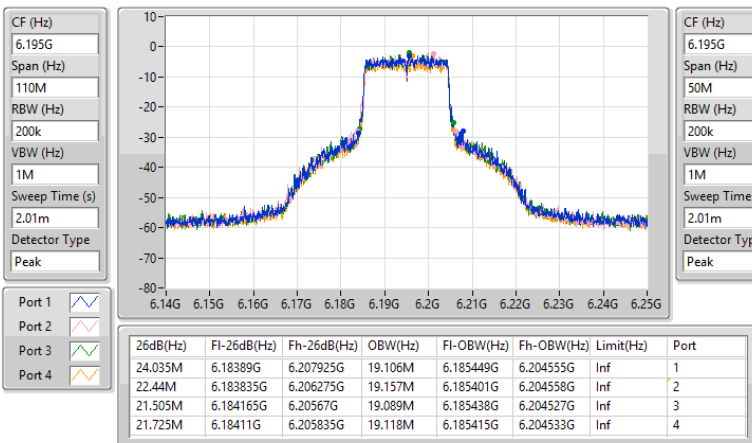


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

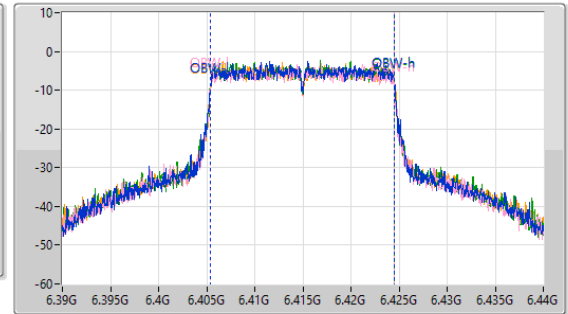
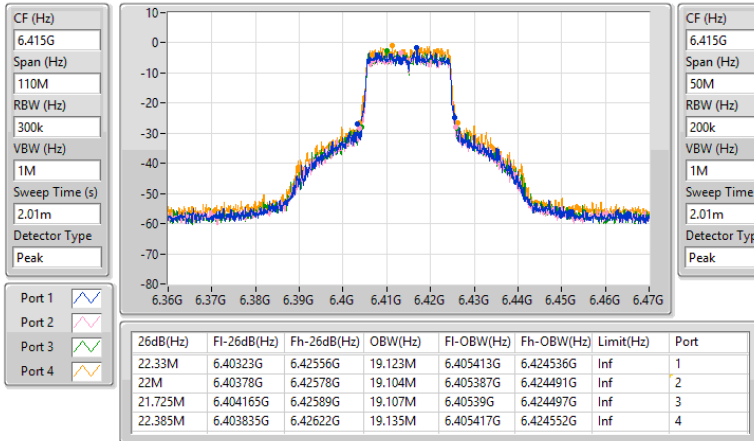
6195MHz

13/09/2023

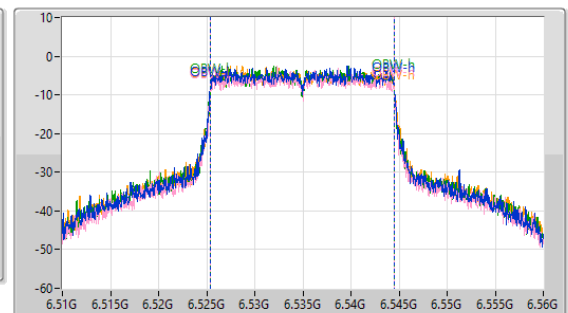
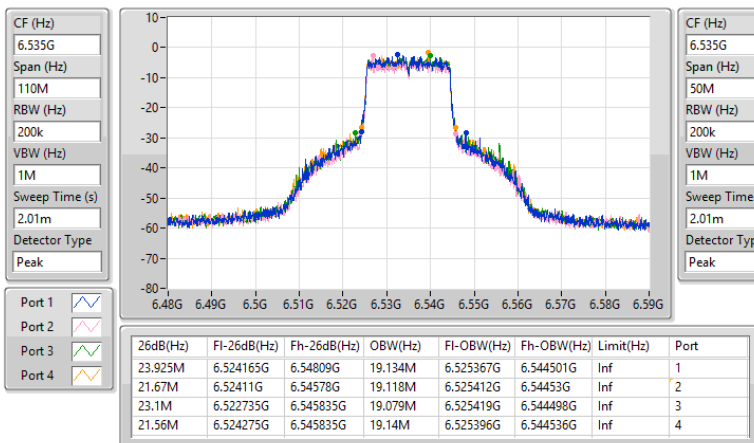


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
6415MHz

13/09/2023


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
EBW
6535MHz

13/09/2023

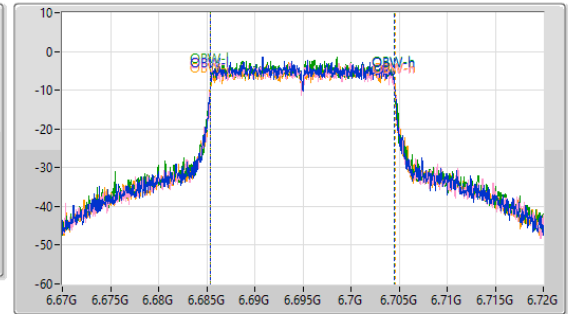
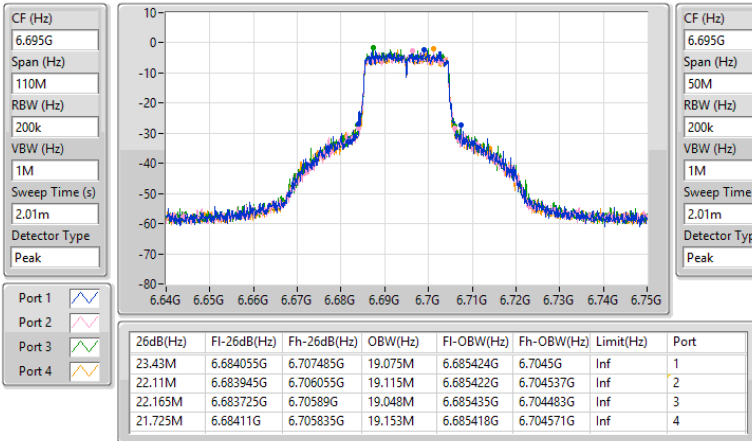


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6695MHz

13/09/2023

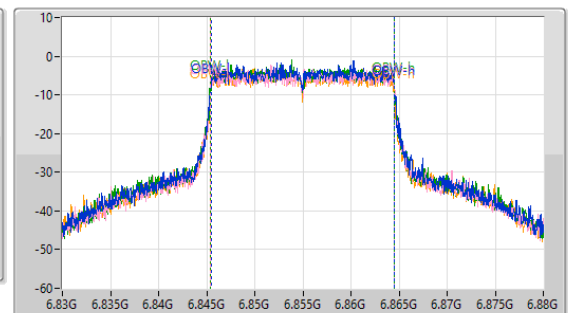
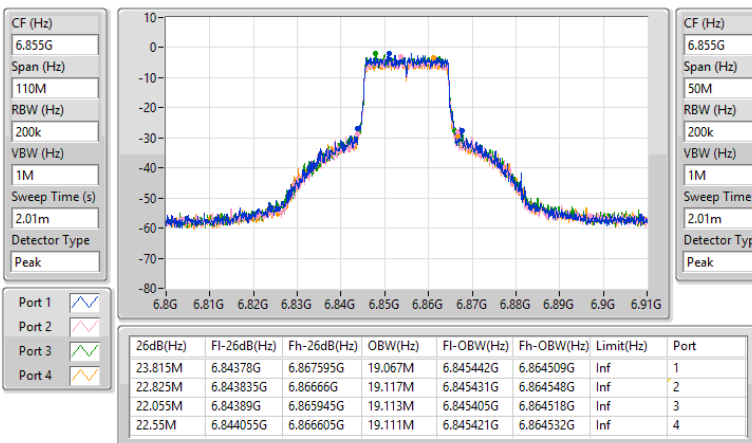


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6855MHz

13/09/2023

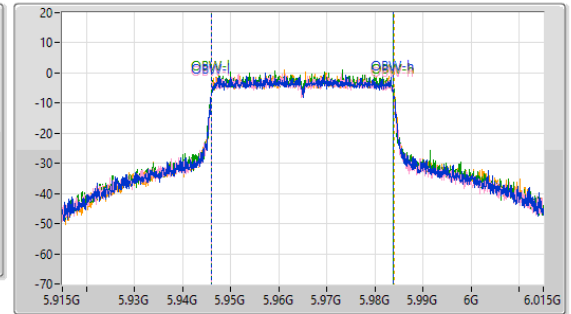
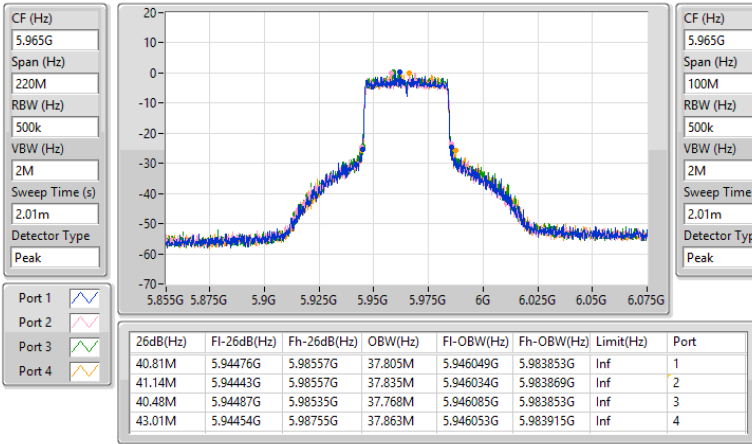


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5965MHz

13/09/2023

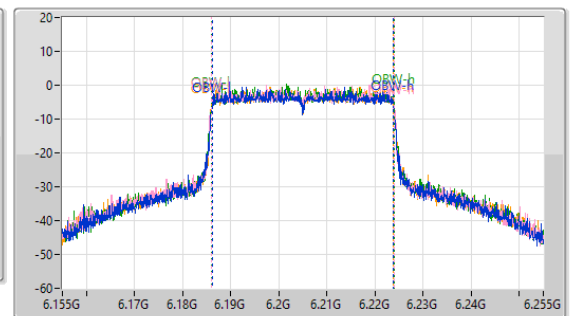
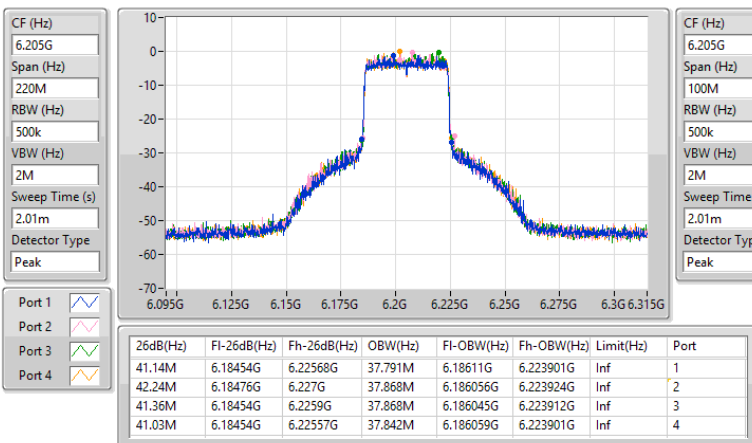


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6205MHz

13/09/2023

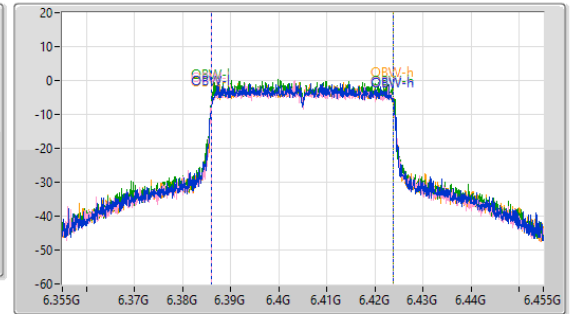
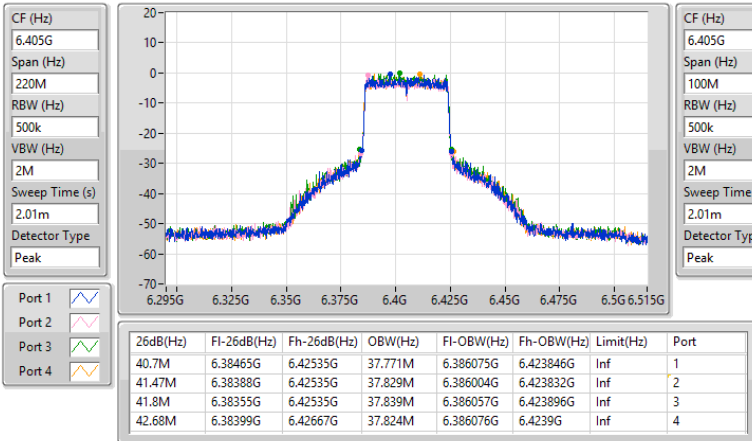


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6405MHz

13/09/2023

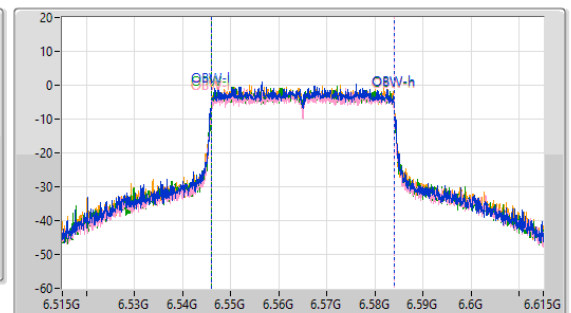
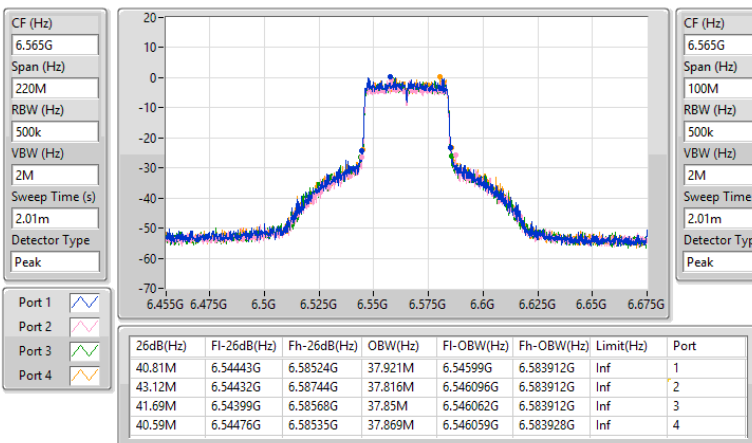


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6565MHz

13/09/2023

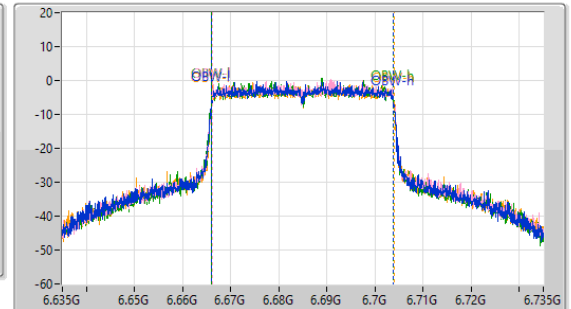
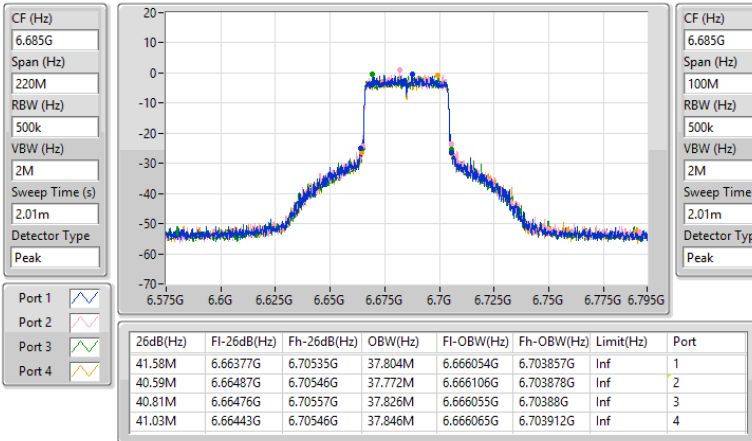


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6685MHz

13/09/2023

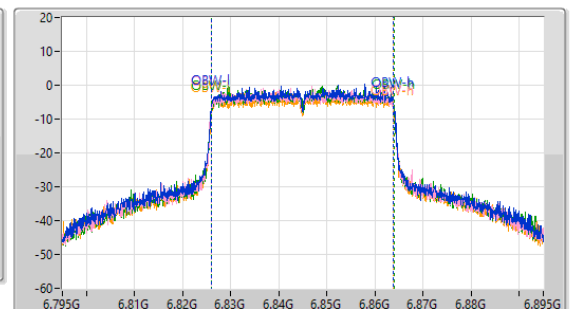
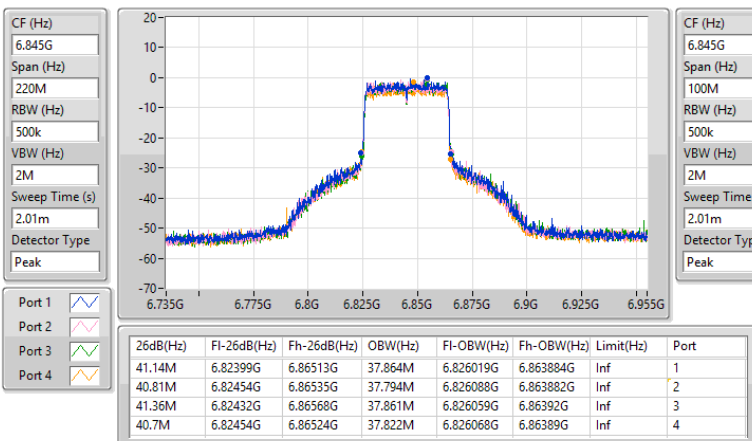


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6845MHz

13/09/2023

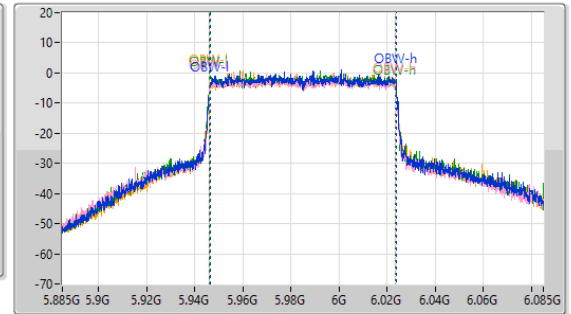
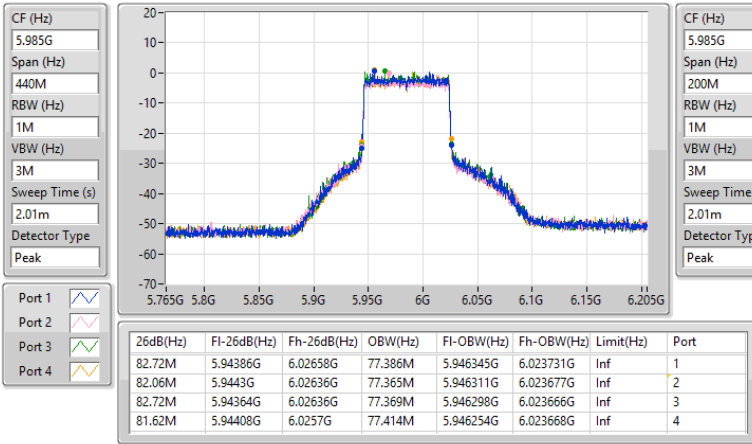


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5985MHz

14/09/2023

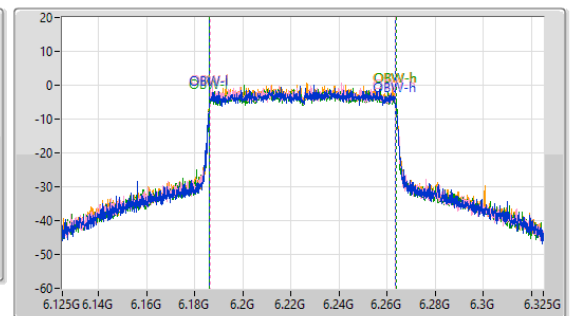
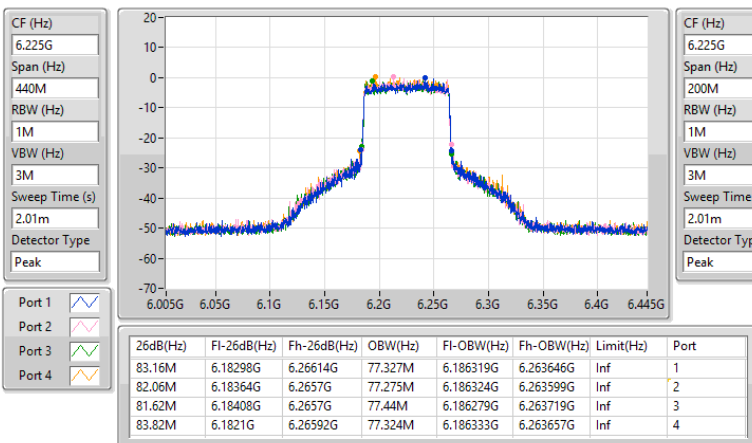


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6225MHz

14/09/2023

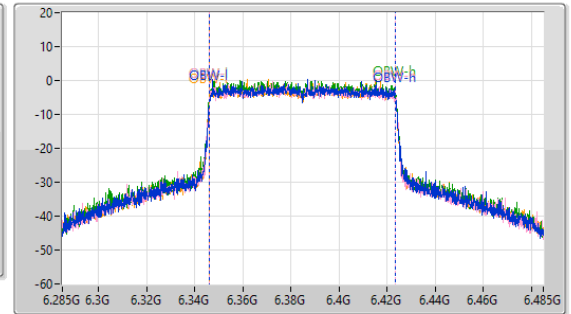
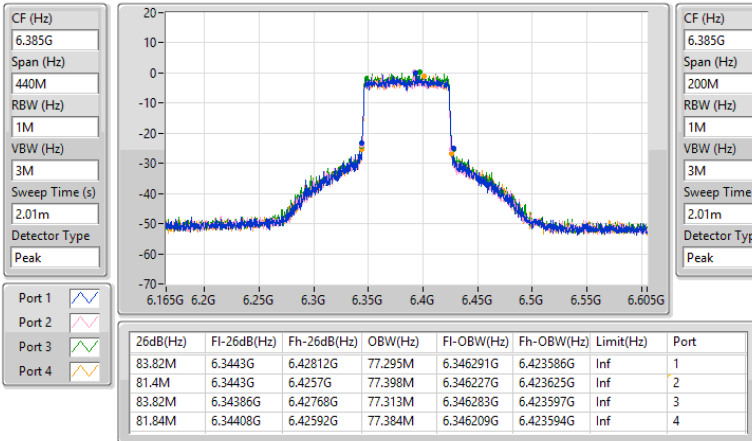


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6385MHz

14/09/2023

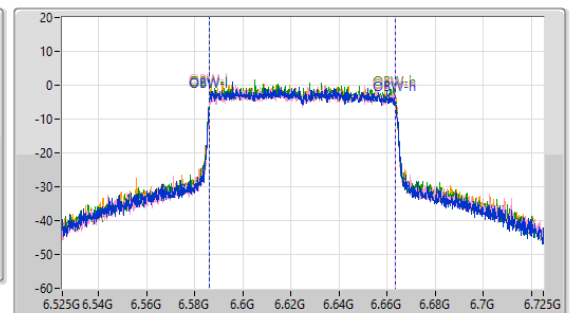
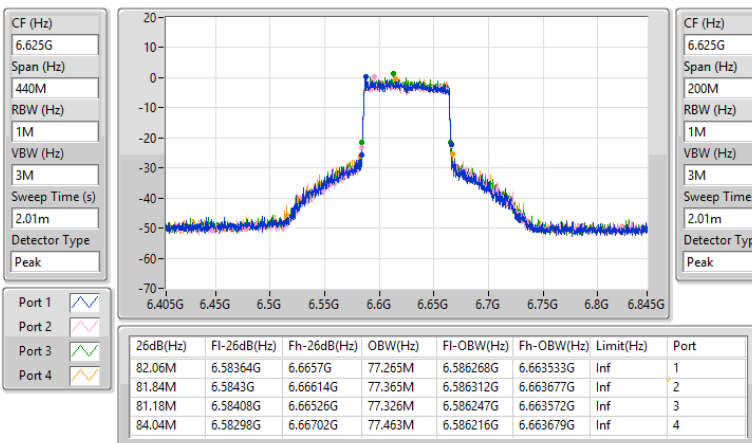


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6625MHz

14/09/2023

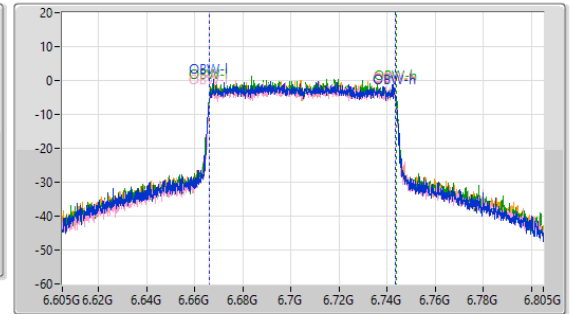
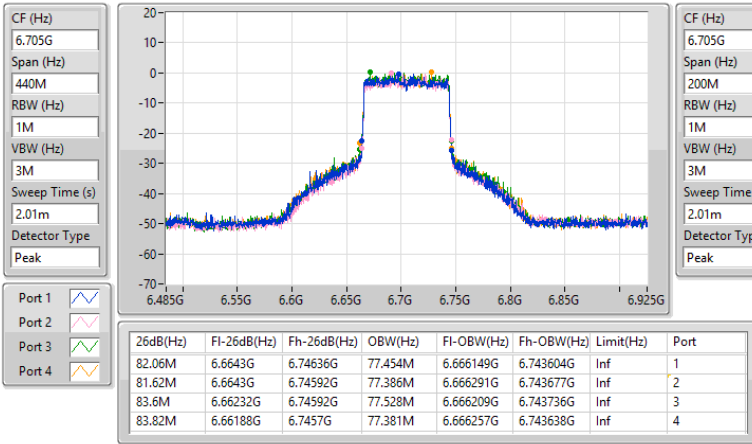


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6705MHz

14/09/2023

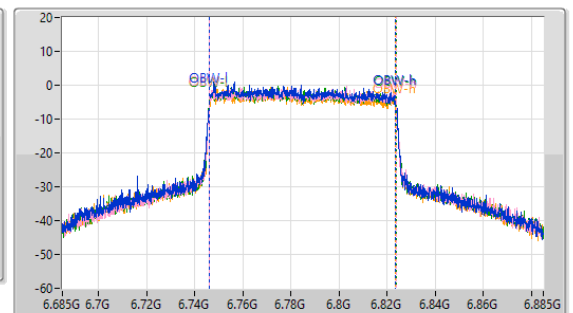
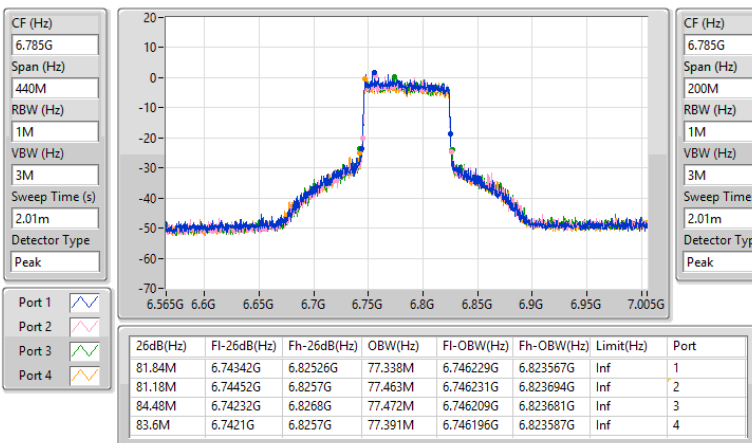


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6785MHz

14/09/2023

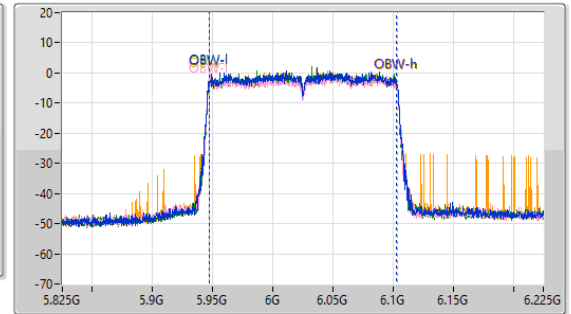
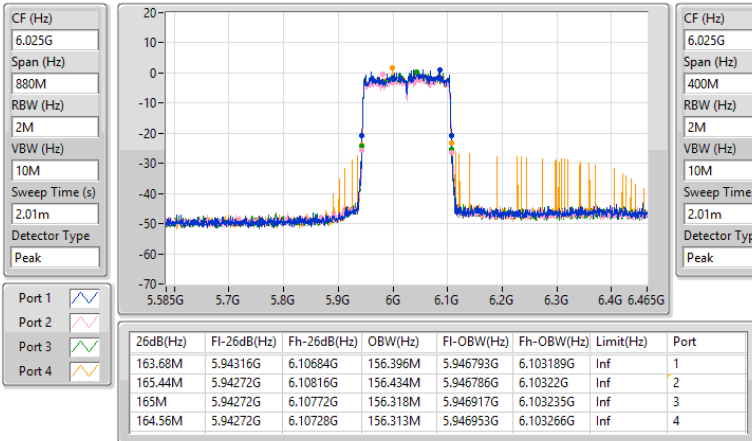


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6025MHz

14/09/2023

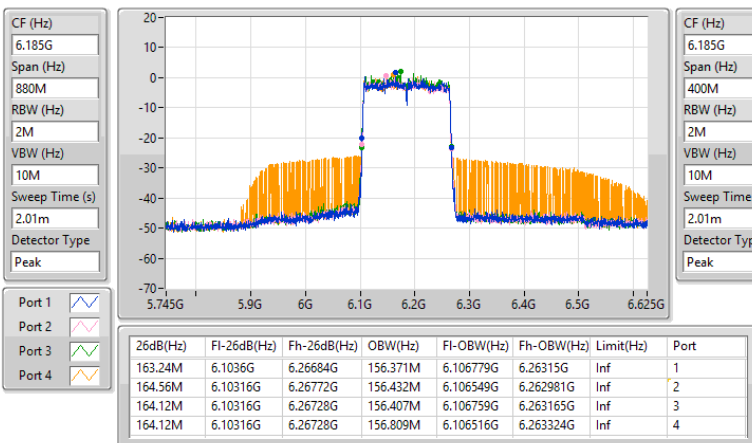


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6185MHz

14/09/2023

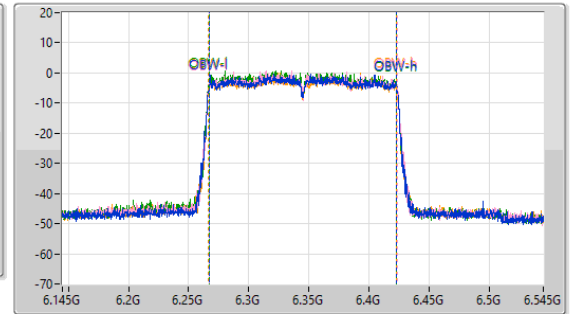
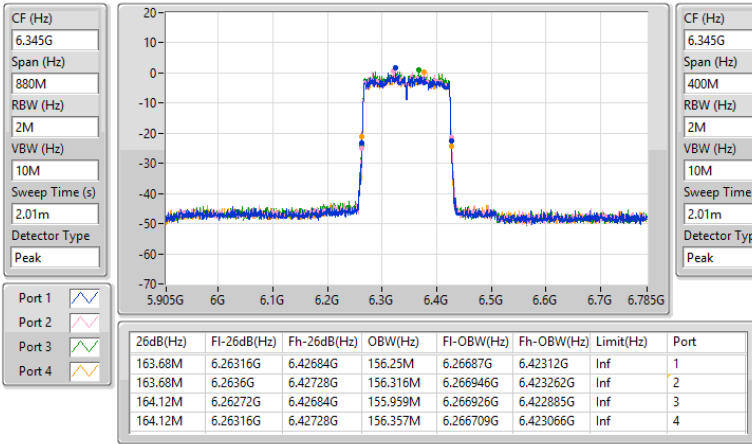


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6345MHz

14/09/2023

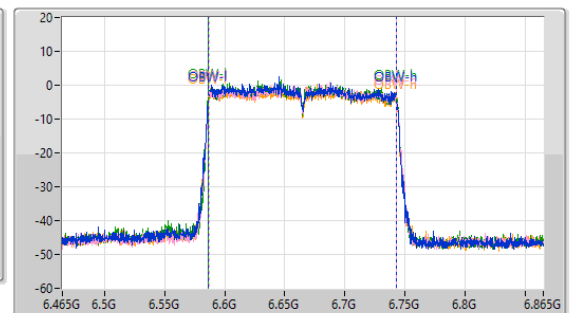
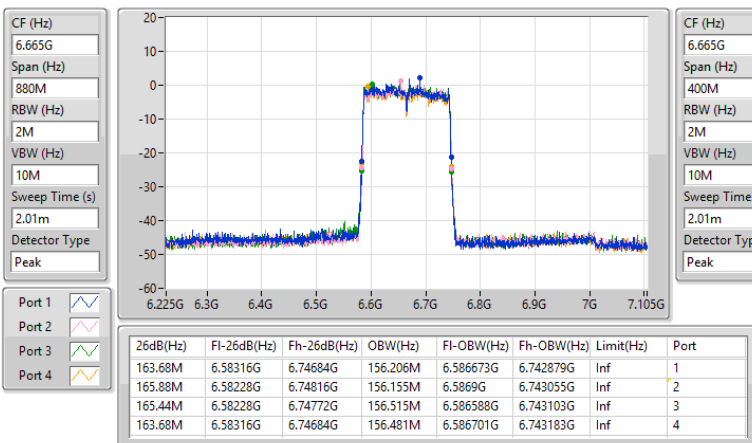


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6665MHz

14/09/2023



Summary

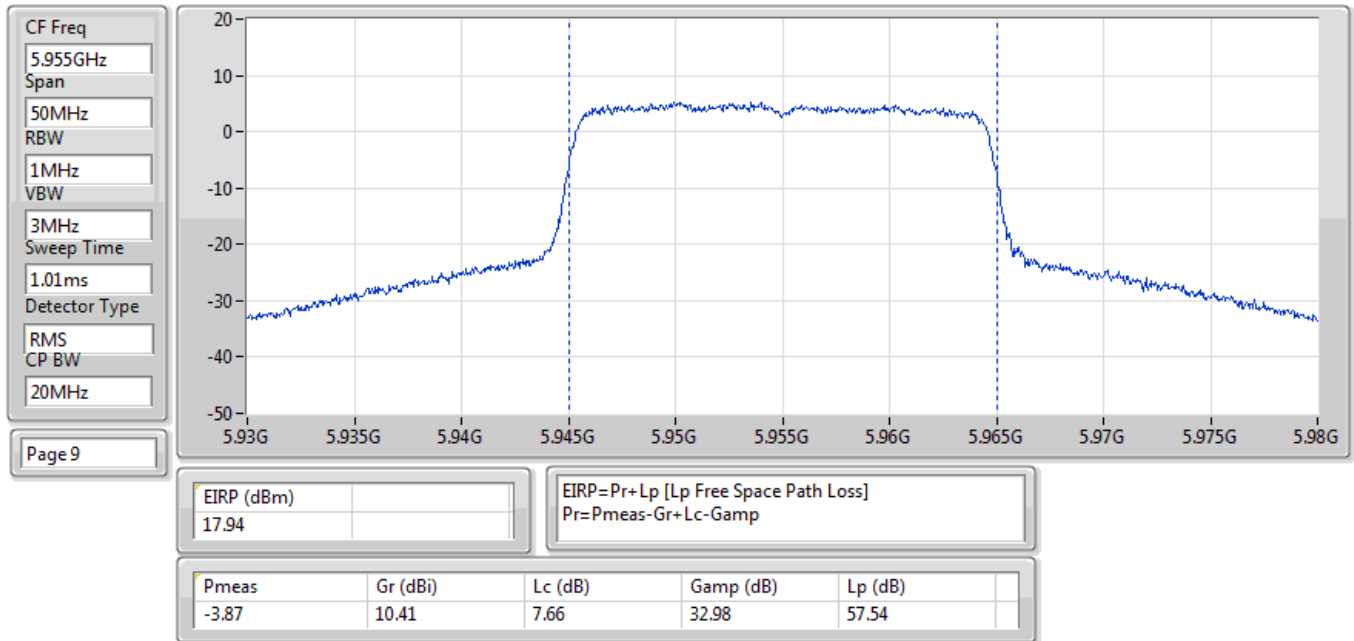
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	18.90	0.07762
802.11ax HEW40_Nss2,(MCS0)_2TX	18.65	0.07328
802.11ax HEW80_Nss2,(MCS0)_2TX	18.24	0.06668
802.11ax HEW160_Nss2,(MCS0)_2TX	18.17	0.06561
6.525-6.875GHz	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	18.07	0.06412
802.11ax HEW40_Nss2,(MCS0)_2TX	17.84	0.06081
802.11ax HEW80_Nss2,(MCS0)_2TX	18.06	0.06397
802.11ax HEW160_Nss2,(MCS0)_2TX	17.72	0.05916

Result

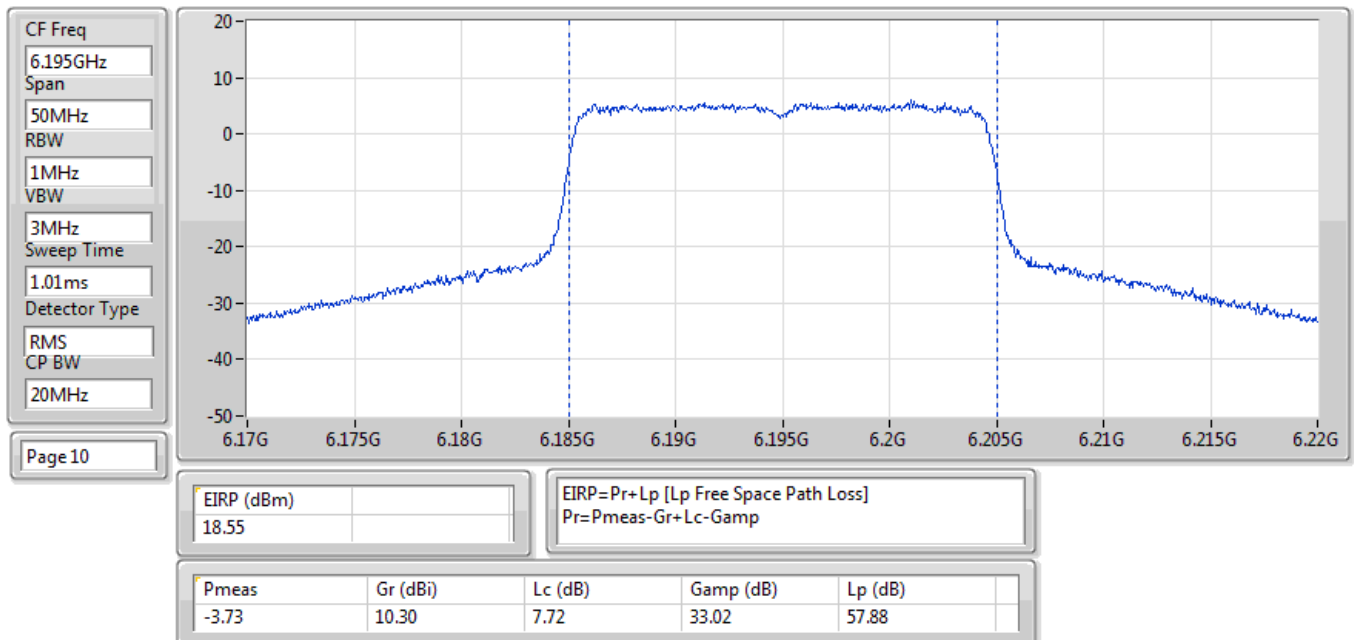
Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-
5955MHz	Pass	17.94	36.00
6195MHz	Pass	18.55	36.00
6415MHz	Pass	18.90	36.00
6535MHz	Pass	18.07	36.00
6695MHz	Pass	17.76	36.00
6855MHz	Pass	17.00	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-
5965MHz	Pass	18.31	36.00
6205MHz	Pass	18.65	36.00
6405MHz	Pass	18.65	36.00
6565MHz	Pass	17.84	36.00
6685MHz	Pass	16.87	36.00
6845MHz	Pass	16.73	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-
5985MHz	Pass	17.82	36.00
6225MHz	Pass	18.08	36.00
6385MHz	Pass	18.24	36.00
6625MHz	Pass	18.06	36.00
6705MHz	Pass	16.92	36.00
6785MHz	Pass	16.56	36.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-
6025MHz	Pass	17.18	36.00
6185MHz	Pass	16.21	36.00
6345MHz	Pass	18.17	36.00
6665MHz	Pass	17.72	36.00

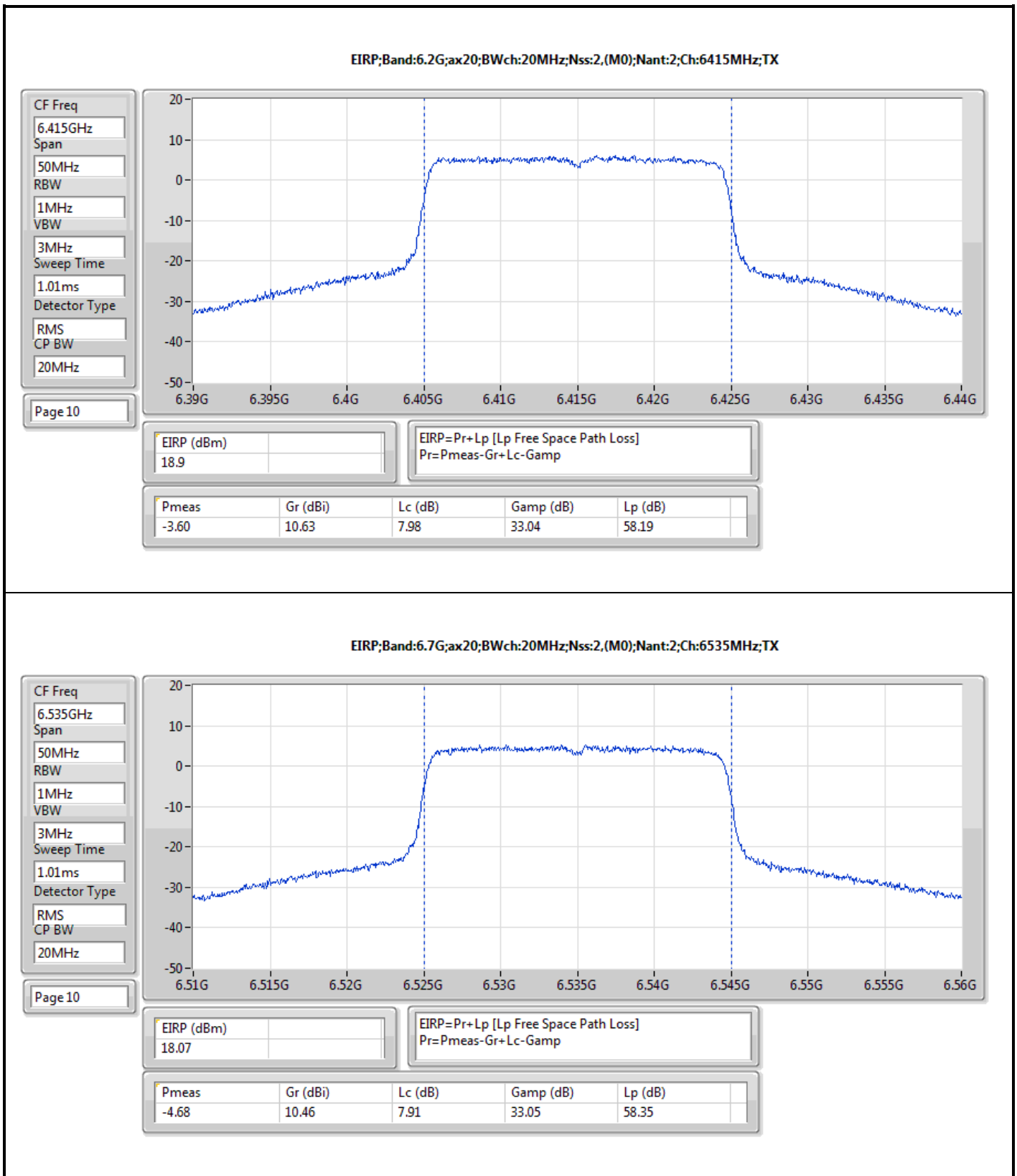
DG = Directional Gain; Port X = Port X output power

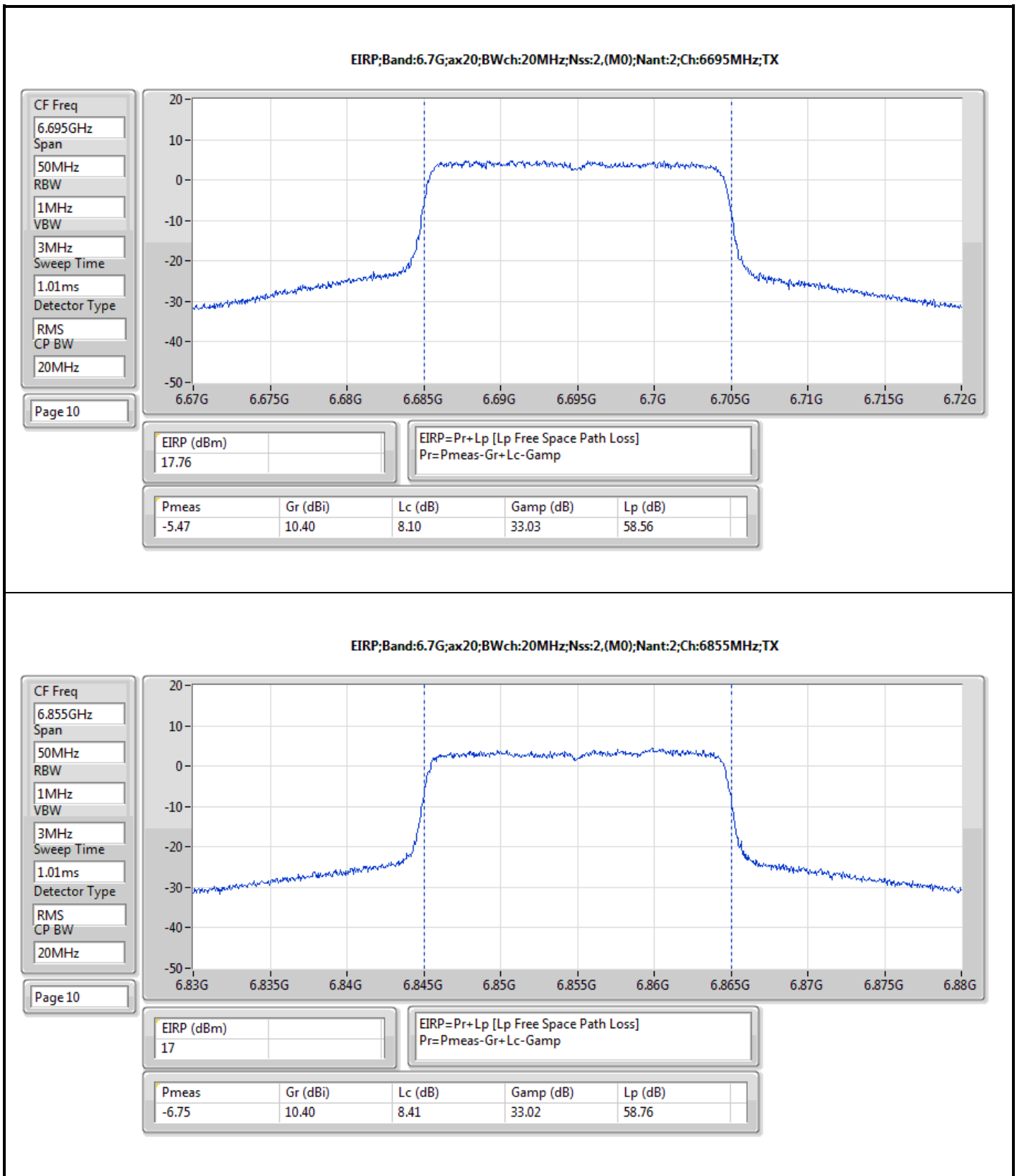
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:2;(M0);Nant:2;Ch:5955MHz;TX

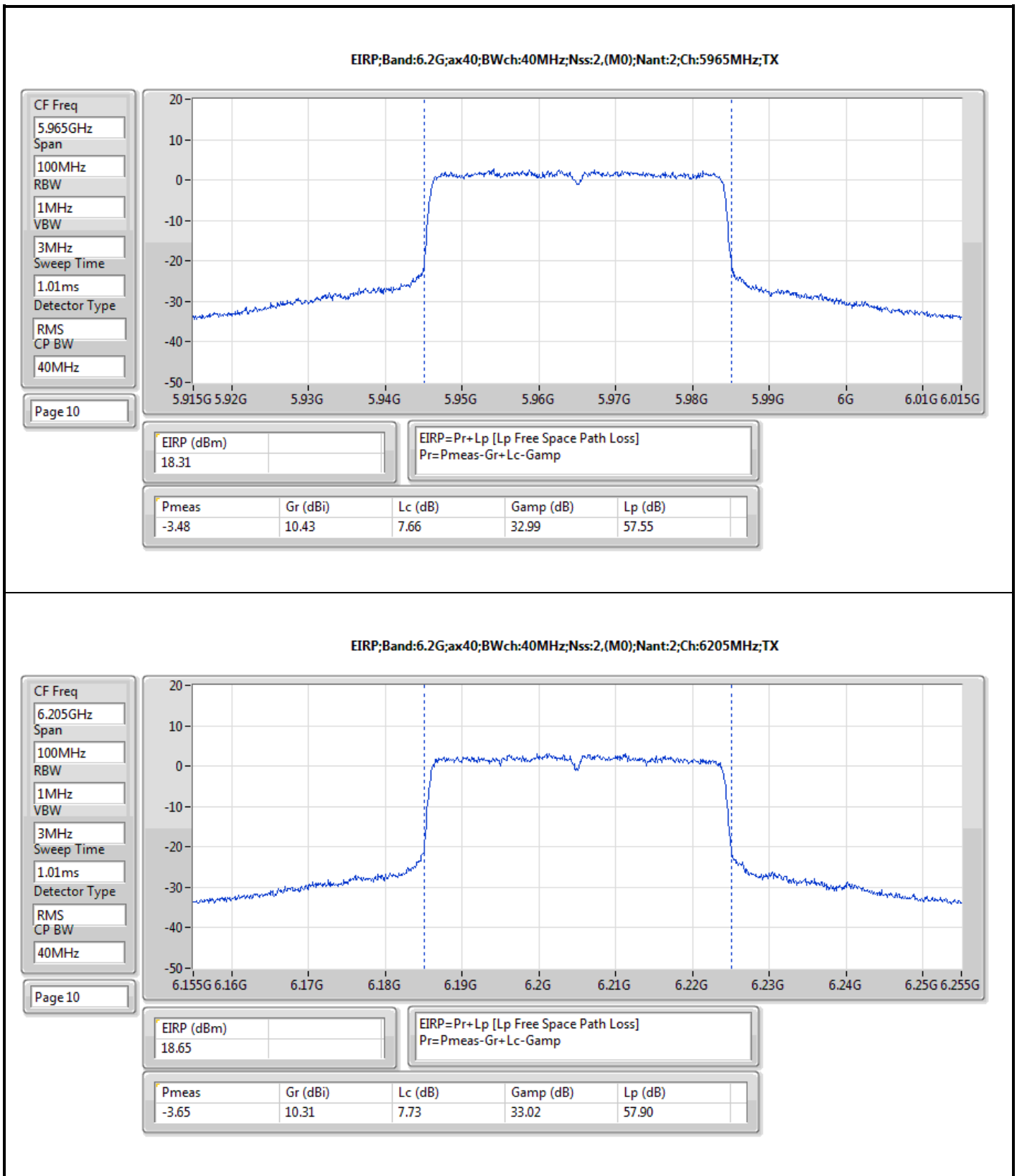


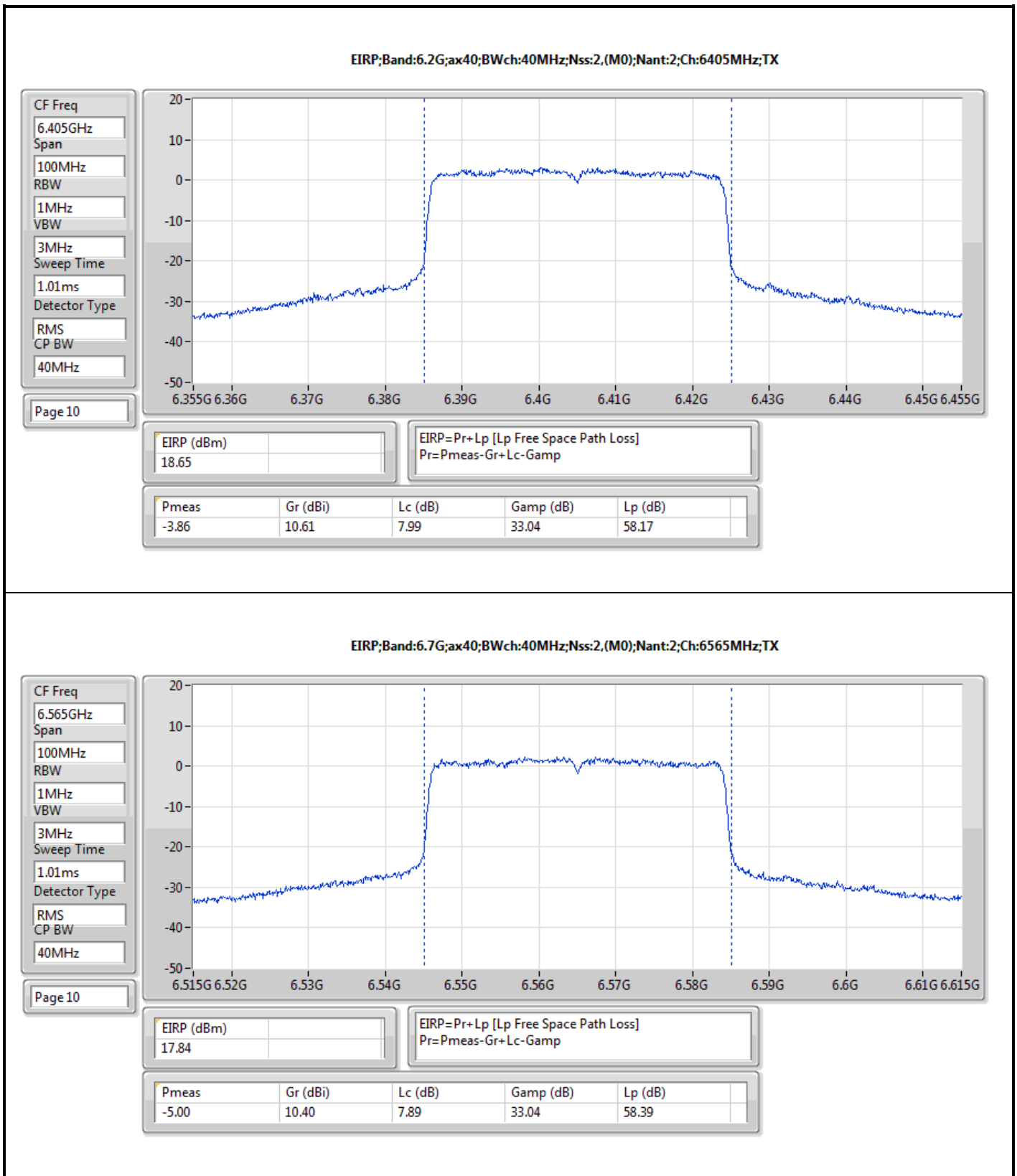
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:2;(M0);Nant:2;Ch:6195MHz;TX

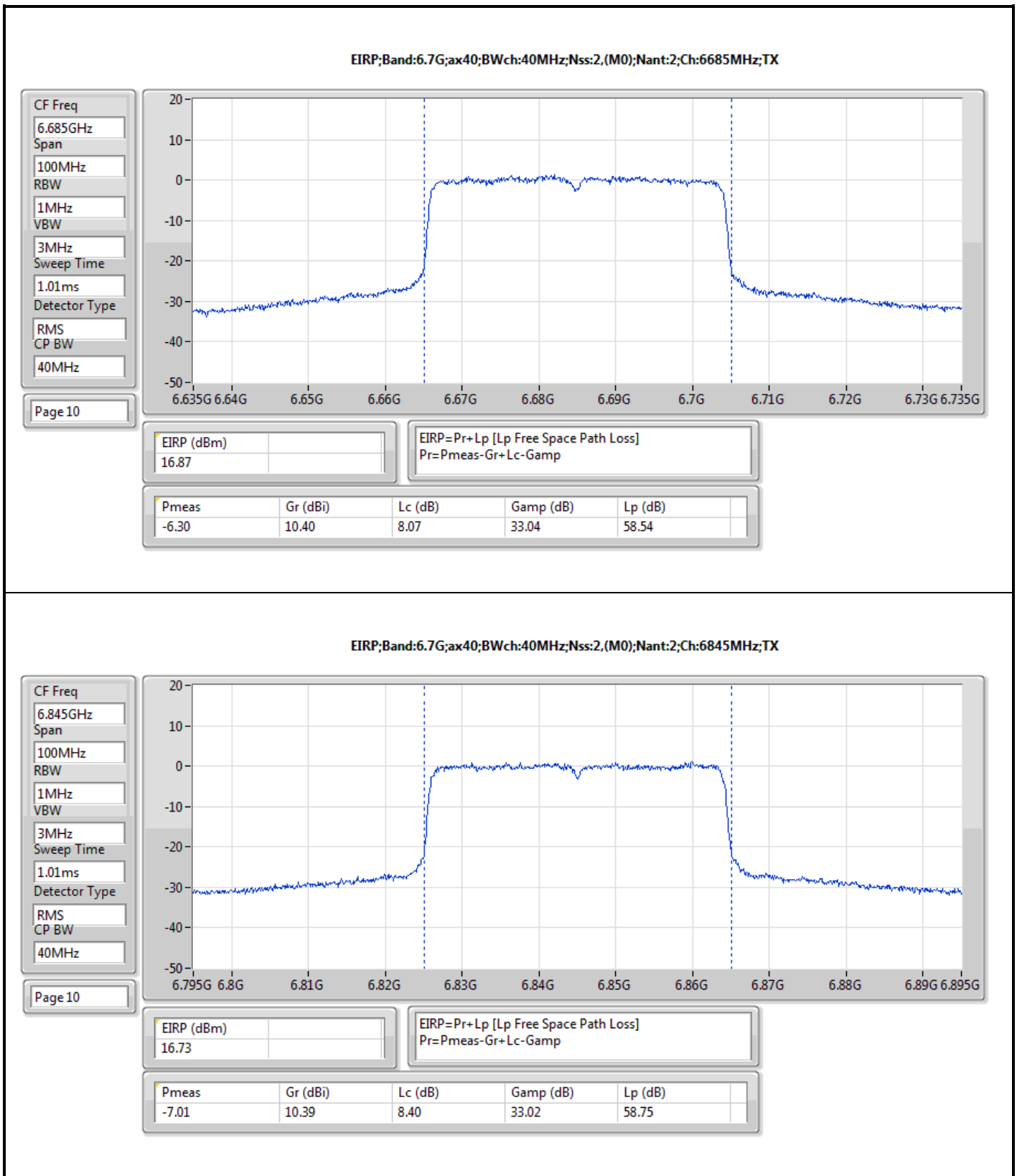


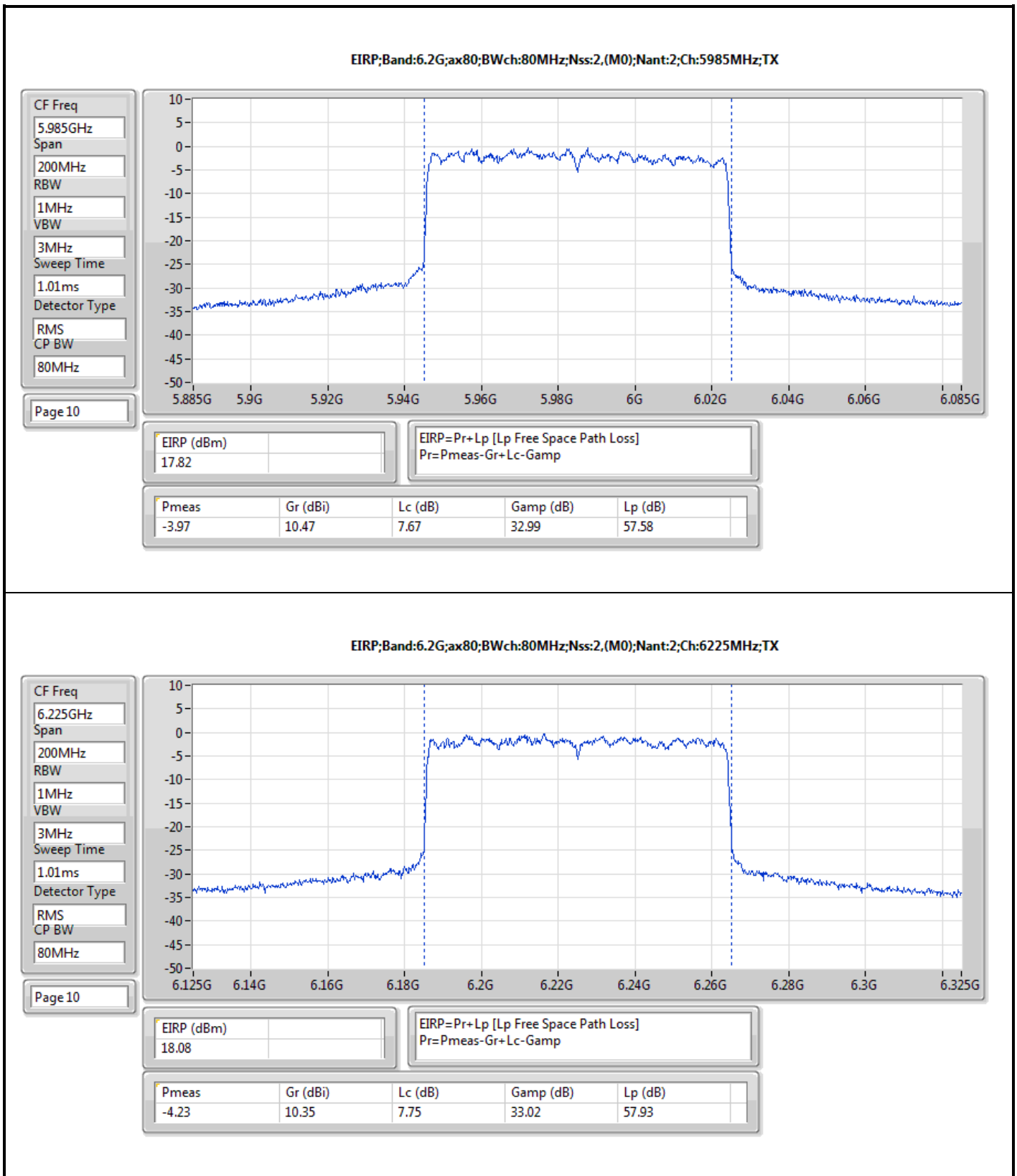


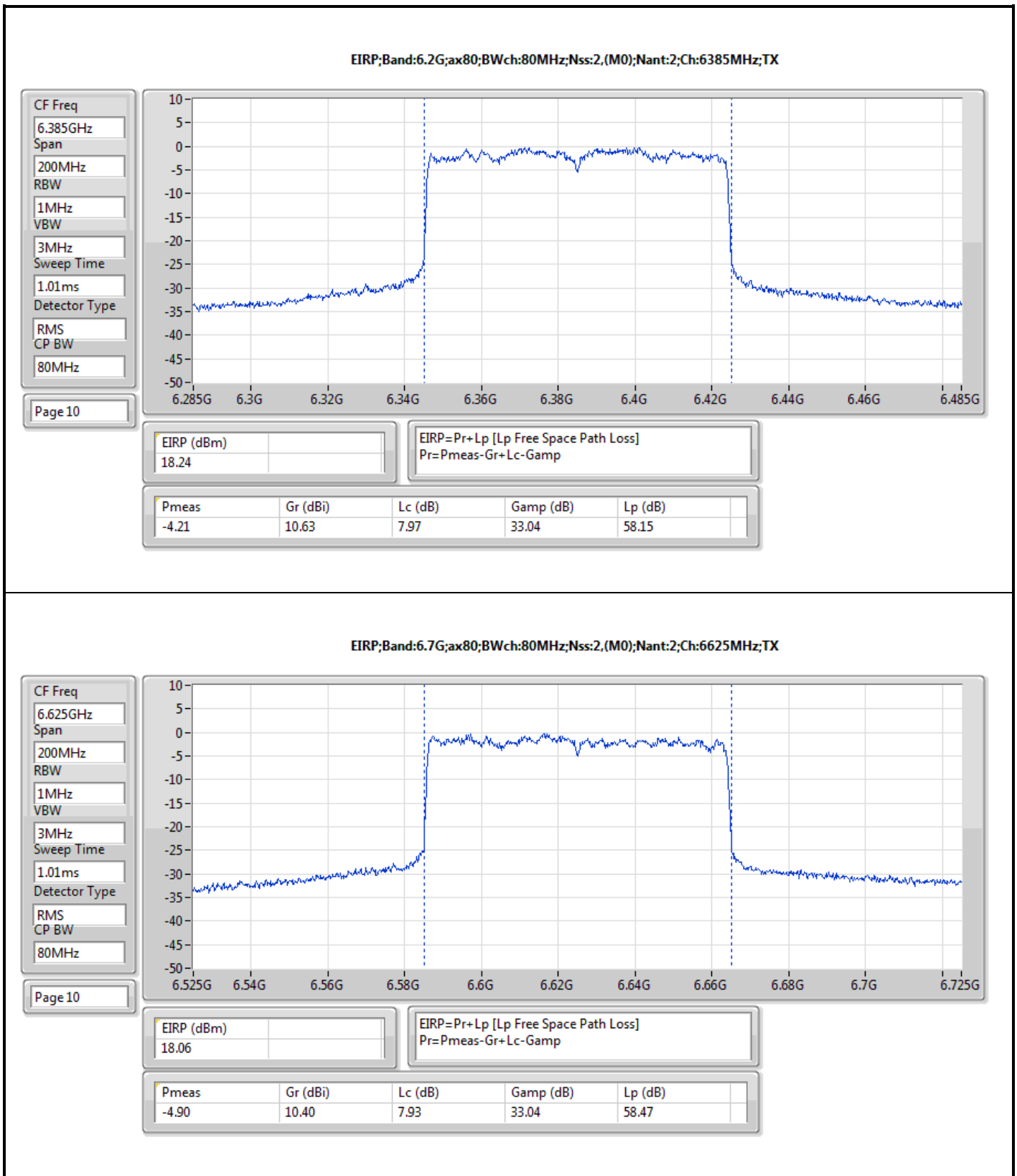


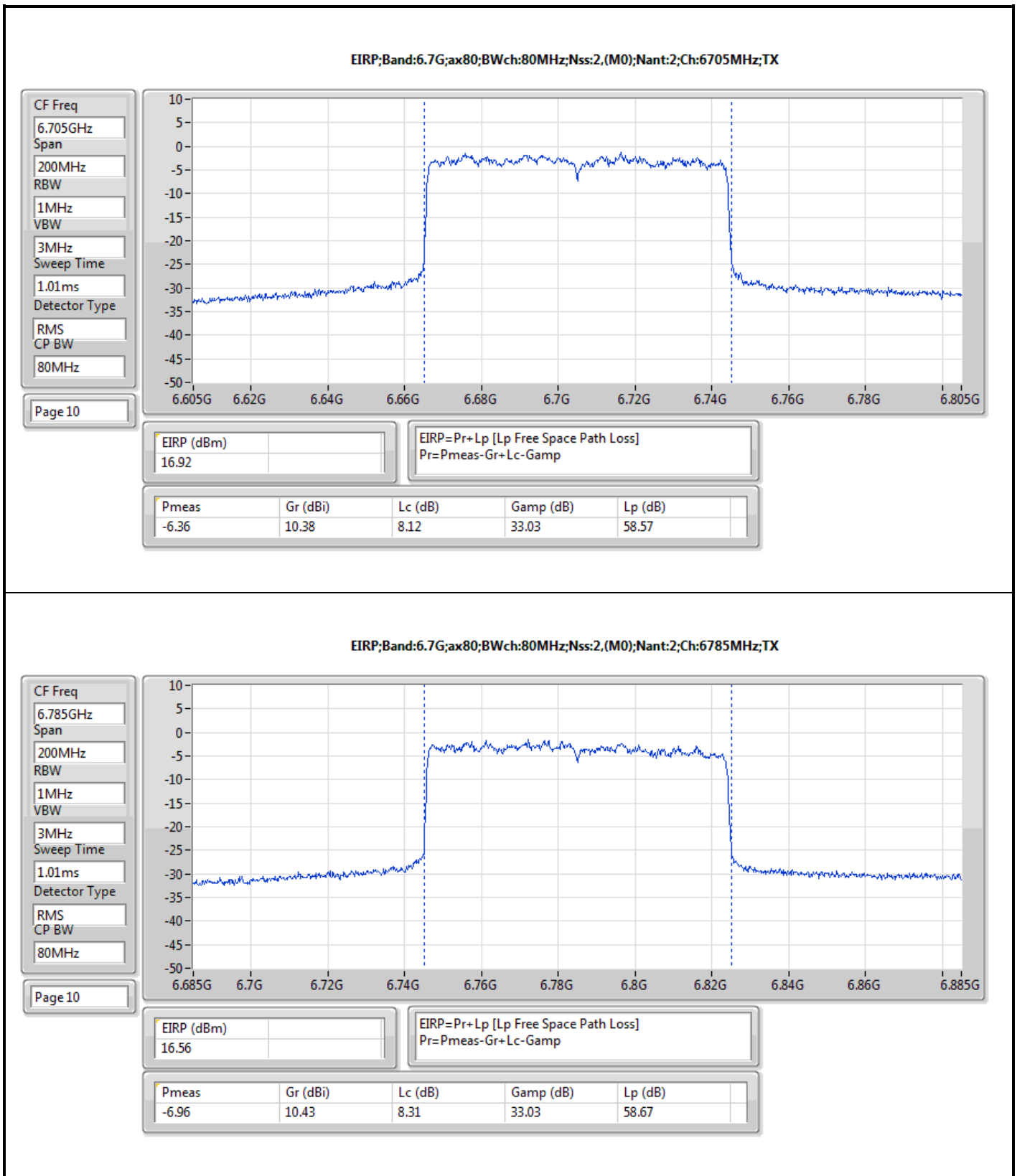




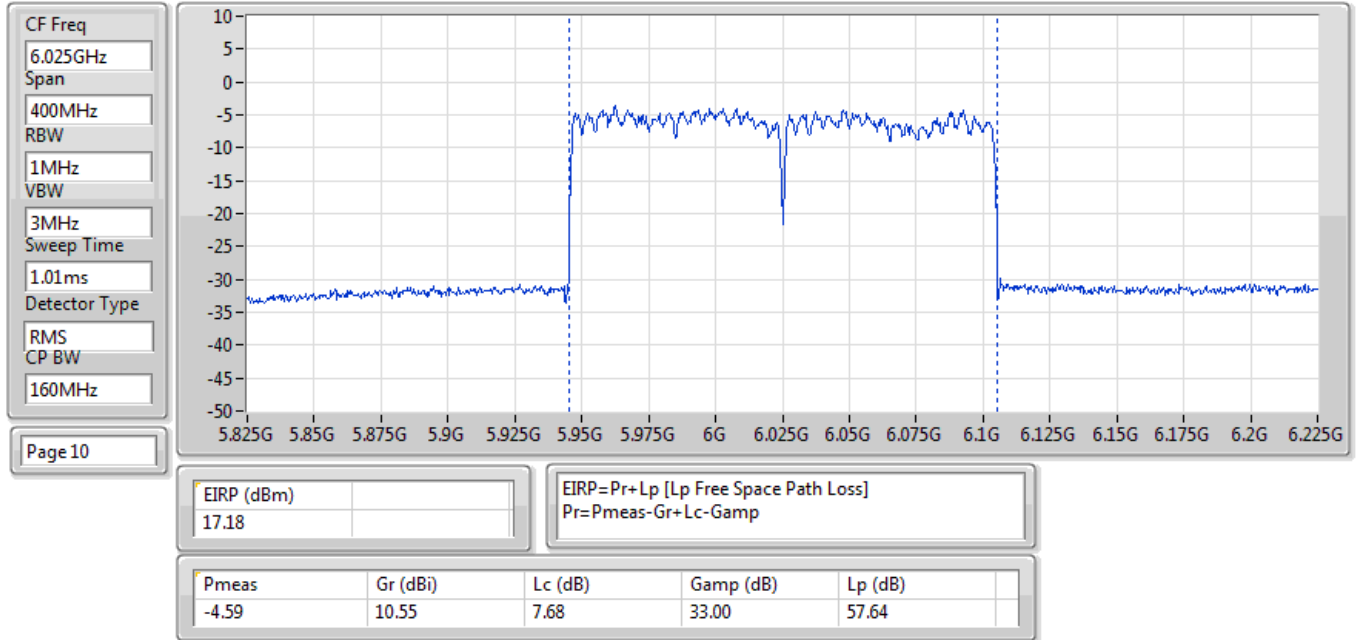




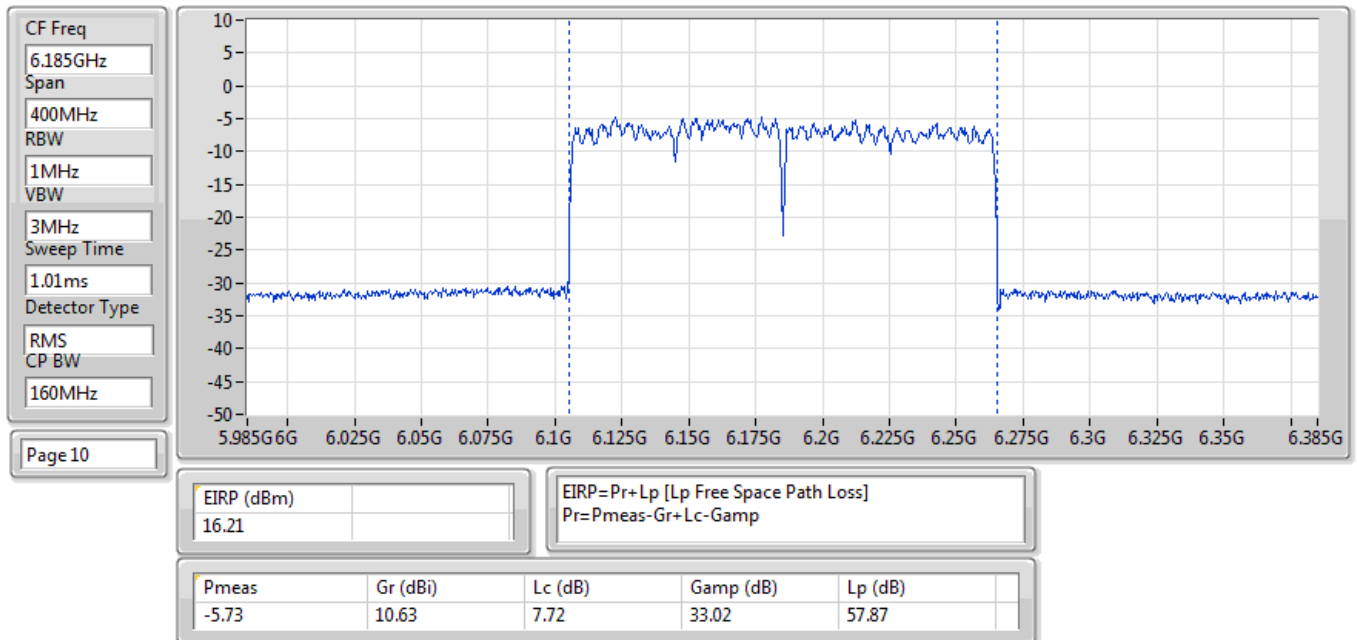




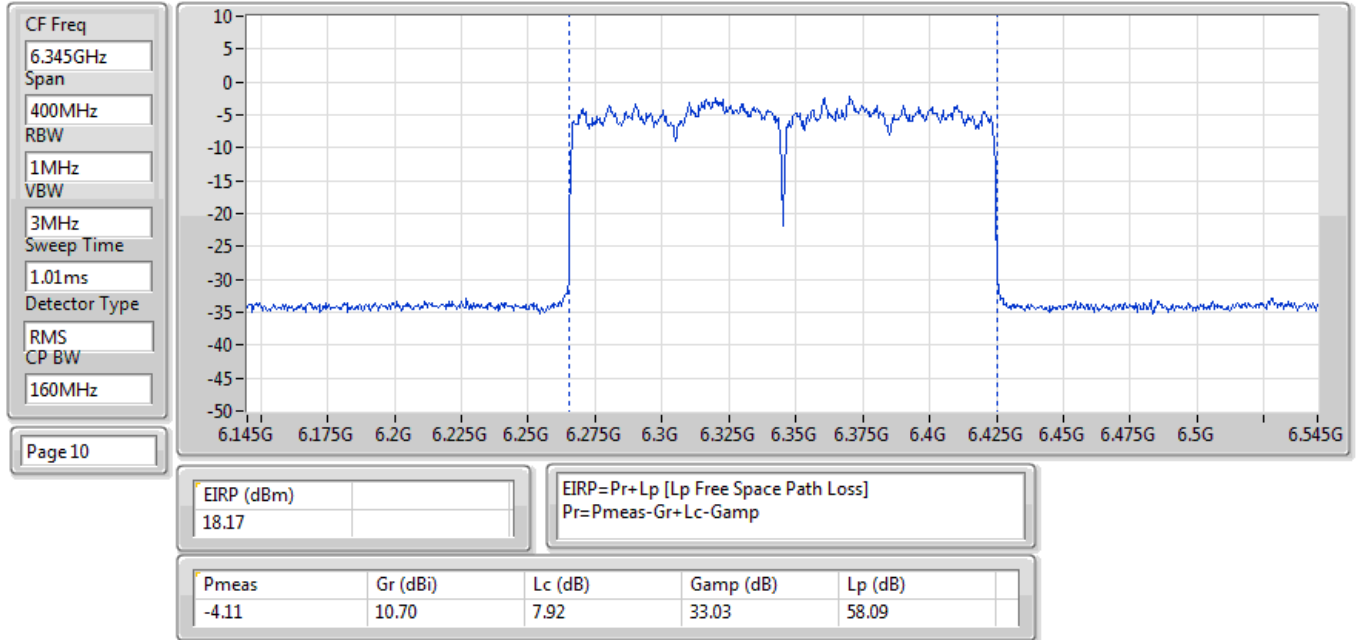
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:2,(M0);Nant:2;Ch:6025MHz;TX



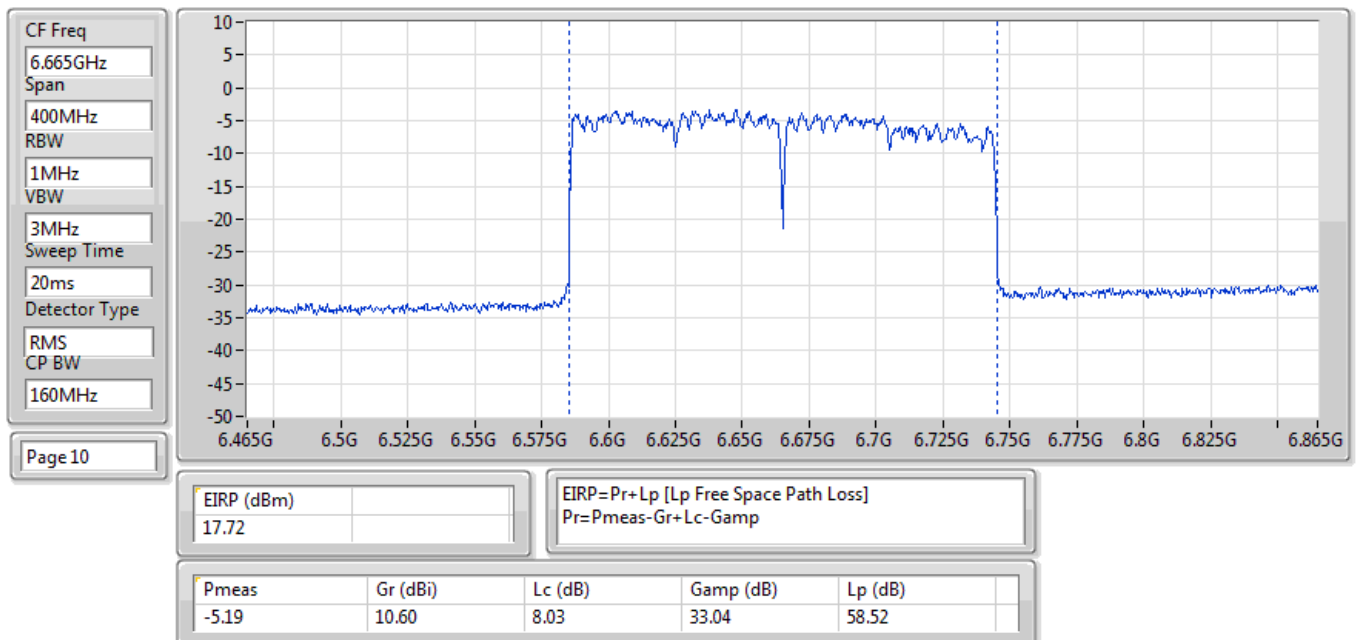
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:2,(M0);Nant:2;Ch:6185MHz;TX



EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:2,(M0);Nant:2;Ch:6345MHz;TX



EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:2,(M0);Nant:2;Ch:6665MHz;TX





**Average Power-E.I.R.P. at any elevation angle above 30
degrees_Scanning R1_2T2S**

Appendix C.2

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	17.30	0.05370	20.97	0.125026
802.11ax HEW40_Nss2,(MCS0)_2TX	17.29	0.05358	20.96	0.124738
802.11ax HEW80_Nss2,(MCS0)_2TX	17.23	0.05284	20.90	0.123027
802.11ax HEW160_Nss2,(MCS0)_2TX	17.31	0.05383	20.98	0.125314
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	17.26	0.05321	20.93	0.123880
802.11ax HEW40_Nss2,(MCS0)_2TX	17.20	0.05248	20.87	0.122180
802.11ax HEW80_Nss2,(MCS0)_2TX	17.31	0.05383	20.98	0.125314
802.11ax HEW160_Nss2,(MCS0)_2TX	16.95	0.04955	20.62	0.115345



Average Power-E.I.R.P. at any elevation angle above 30 degrees_Scanning R1_2T2S

Appendix C.2

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	3.67	13.95	13.68	16.83	20.50	21.00
6195MHz	Pass	3.67	14.52	13.95	17.25	20.92	21.00
6415MHz	Pass	3.67	14.34	14.24	17.30	20.97	21.00
6535MHz	Pass	3.67	14.44	13.85	17.17	20.84	21.00
6695MHz	Pass	3.67	14.54	13.94	17.26	20.93	21.00
6855MHz	Pass	3.67	14.79	13.58	17.24	20.91	21.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5965MHz	Pass	3.67	13.92	13.77	16.86	20.53	21.00
6205MHz	Pass	3.67	14.21	14.08	17.16	20.83	21.00
6405MHz	Pass	3.67	14.23	14.33	17.29	20.96	21.00
6565MHz	Pass	3.67	13.88	14.38	17.15	20.82	21.00
6685MHz	Pass	3.67	14.70	13.60	17.20	20.87	21.00
6845MHz	Pass	3.67	14.32	13.93	17.14	20.81	21.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
5985MHz	Pass	3.67	13.93	13.54	16.75	20.42	21.00
6225MHz	Pass	3.67	14.17	14.27	17.23	20.90	21.00
6385MHz	Pass	3.67	14.55	13.72	17.17	20.84	21.00
6625MHz	Pass	3.67	14.47	13.74	17.13	20.80	21.00
6705MHz	Pass	3.67	14.63	13.95	17.31	20.98	21.00
6785MHz	Pass	3.67	13.79	13.59	16.70	20.37	21.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
6025MHz	Pass	3.67	13.96	13.80	16.89	20.56	21.00
6185MHz	Pass	3.67	13.99	13.75	16.88	20.55	21.00
6345MHz	Pass	3.67	14.19	14.41	17.31	20.98	21.00
6665MHz	Pass	3.67	13.92	13.95	16.95	20.62	21.00

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

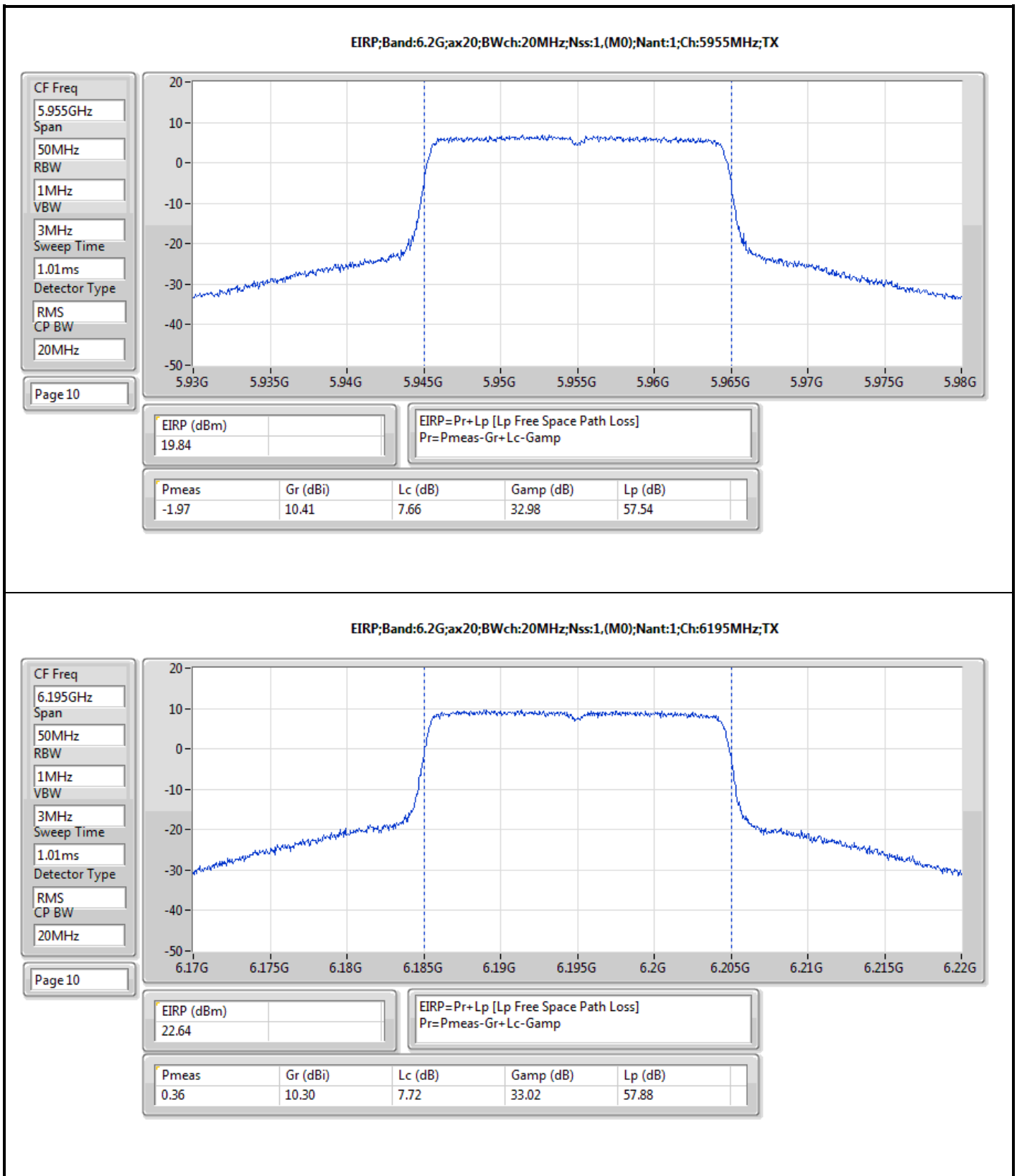
Summary

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	22.64	0.18365
802.11ax HEW40_Nss1,(MCS0)_1TX	23.21	0.20941
802.11ax HEW80_Nss1,(MCS0)_1TX	23.15	0.20654
802.11ax HEW160_Nss1,(MCS0)_1TX	21.72	0.14859
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.00	0.12589
802.11ax HEW40_Nss1,(MCS0)_1TX	22.86	0.19320
802.11ax HEW80_Nss1,(MCS0)_1TX	21.45	0.13964
802.11ax HEW160_Nss1,(MCS0)_1TX	18.62	0.07278

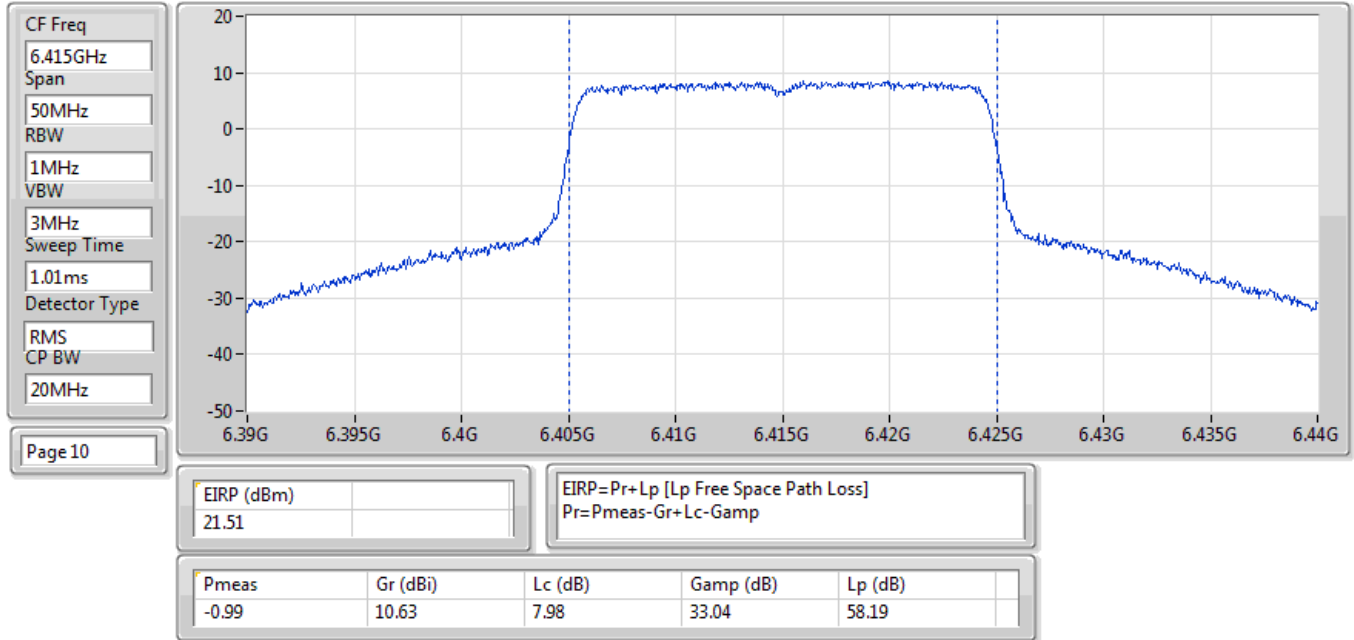
**Result**

Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	19.84	36.00
6195MHz	Pass	22.64	36.00
6415MHz	Pass	21.51	36.00
6535MHz	Pass	21.00	36.00
6695MHz	Pass	20.95	36.00
6855MHz	Pass	20.17	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	19.97	36.00
6205MHz	Pass	22.88	36.00
6405MHz	Pass	23.21	36.00
6565MHz	Pass	22.80	36.00
6685MHz	Pass	21.75	36.00
6845MHz	Pass	22.86	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	19.27	36.00
6225MHz	Pass	22.98	36.00
6385MHz	Pass	23.15	36.00
6625MHz	Pass	21.45	36.00
6705MHz	Pass	20.90	36.00
6785MHz	Pass	17.62	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	19.68	36.00
6185MHz	Pass	18.84	36.00
6345MHz	Pass	21.72	36.00
6665MHz	Pass	18.62	36.00

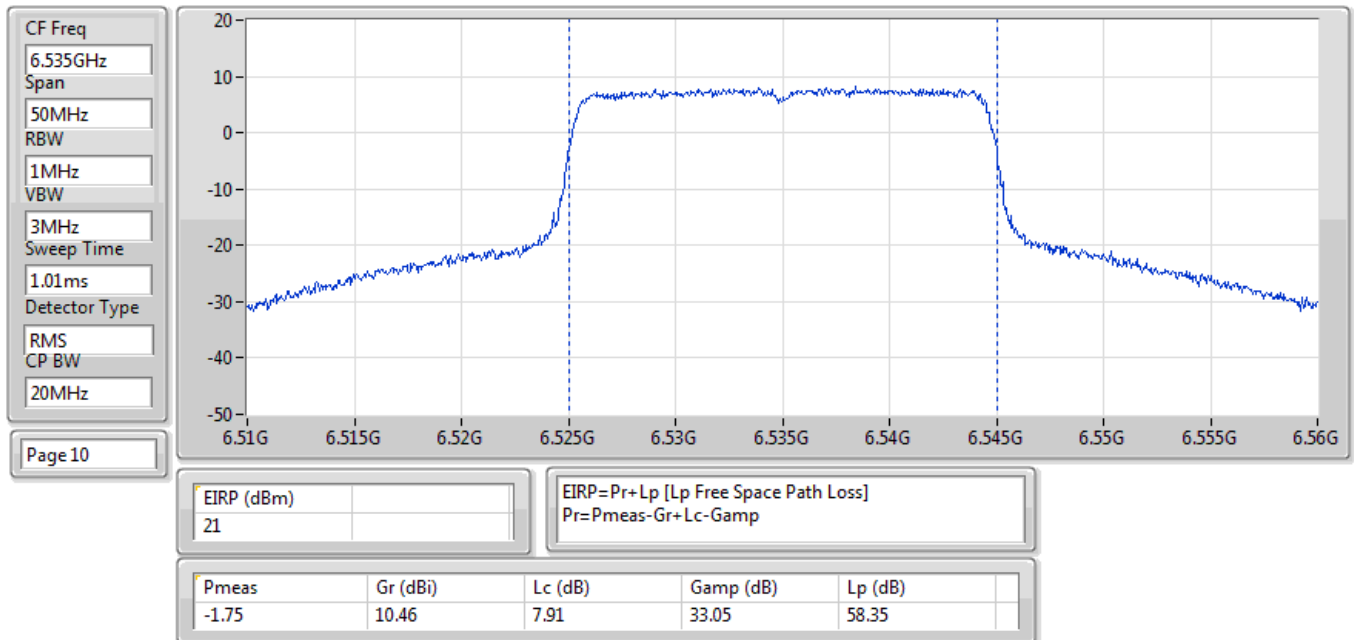
DG = Directional Gain; Port X = Port X output power



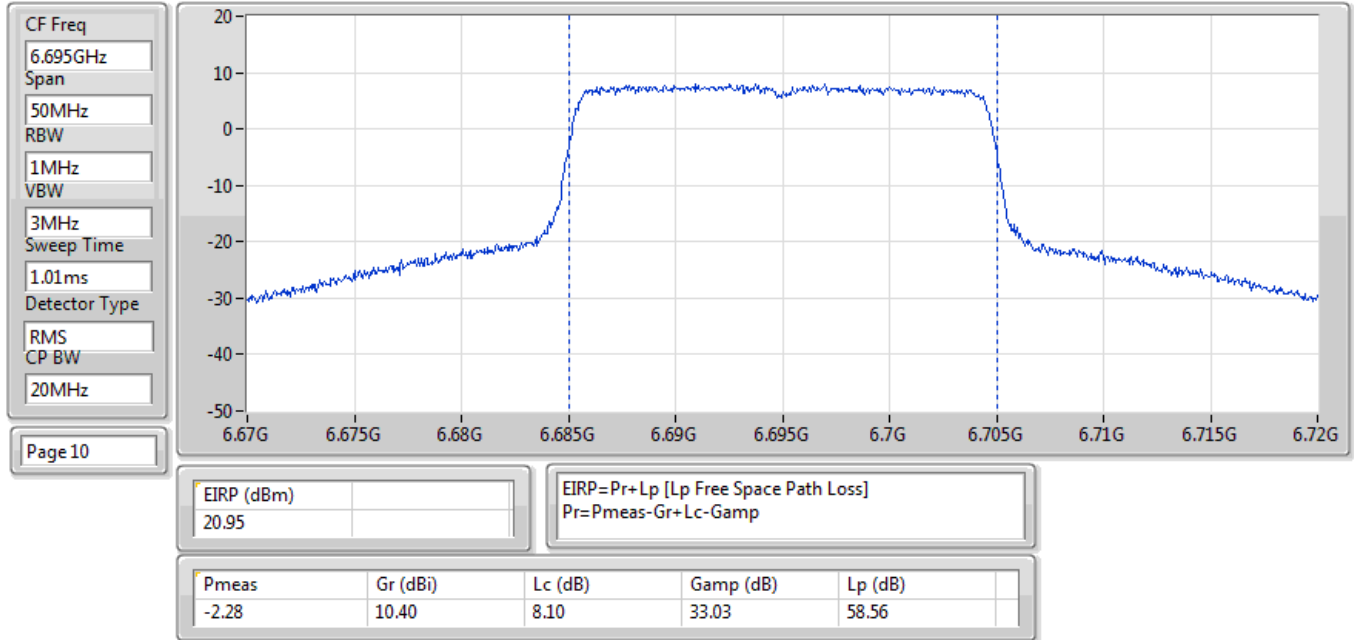
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6415MHz;TX



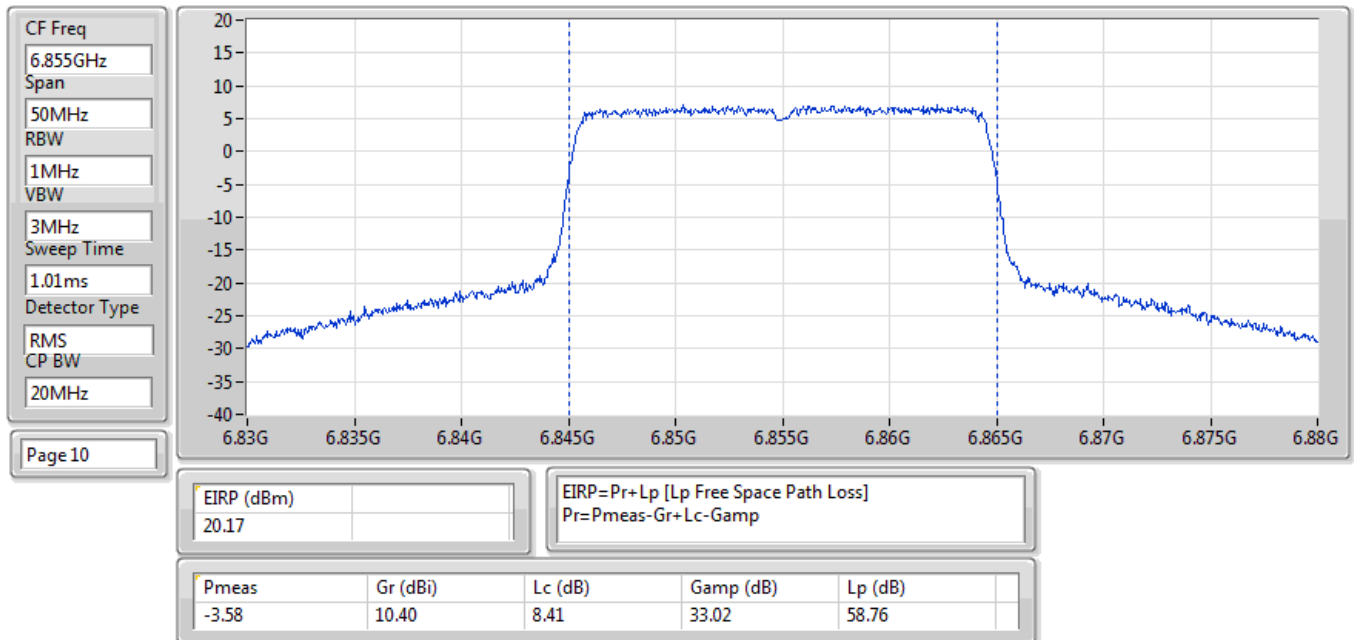
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6535MHz;TX



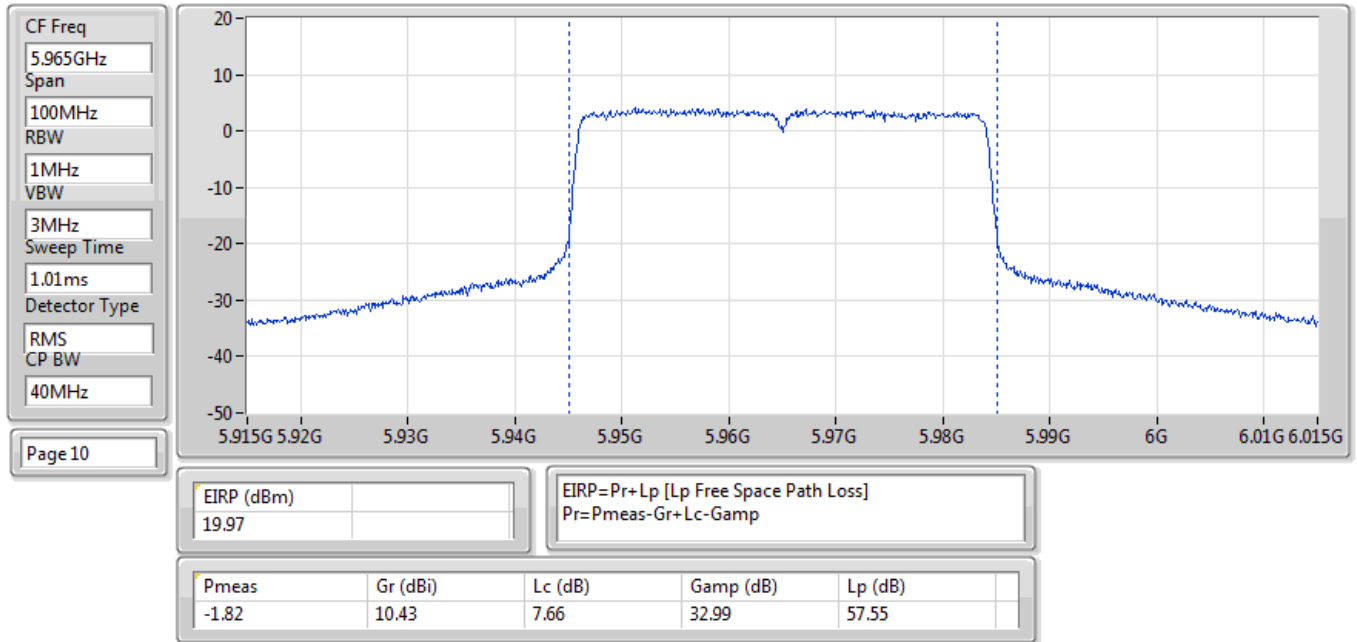
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6695MHz;TX



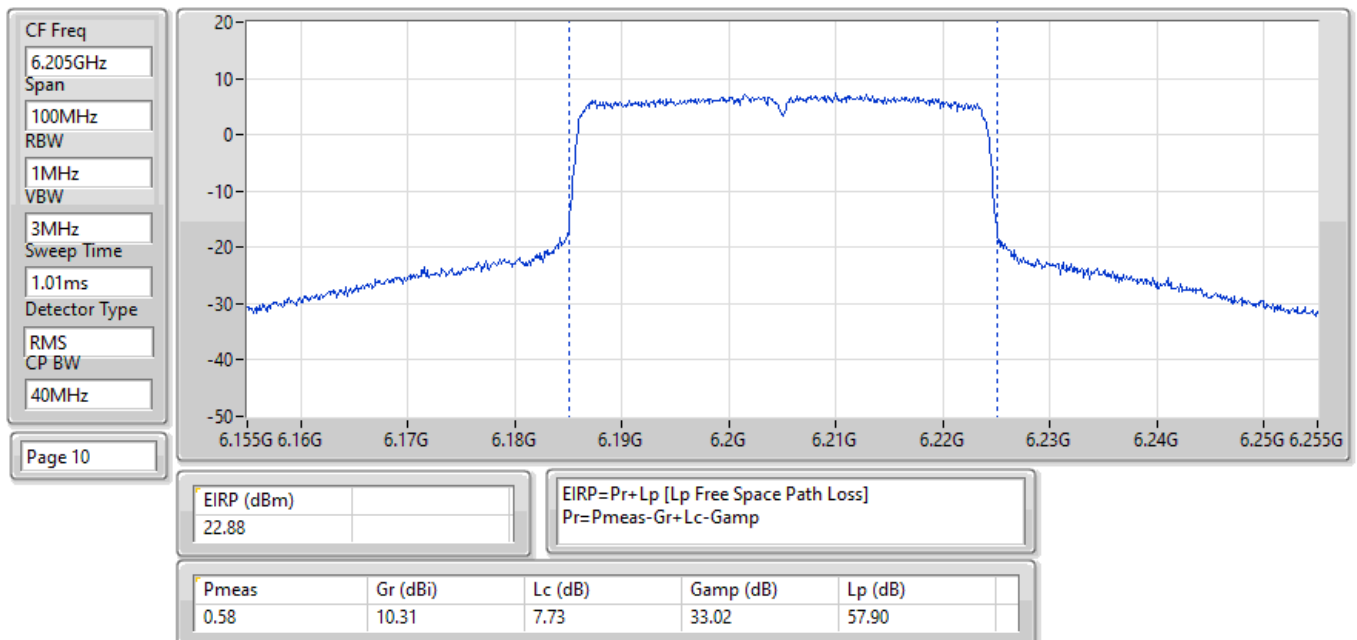
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6855MHz;TX

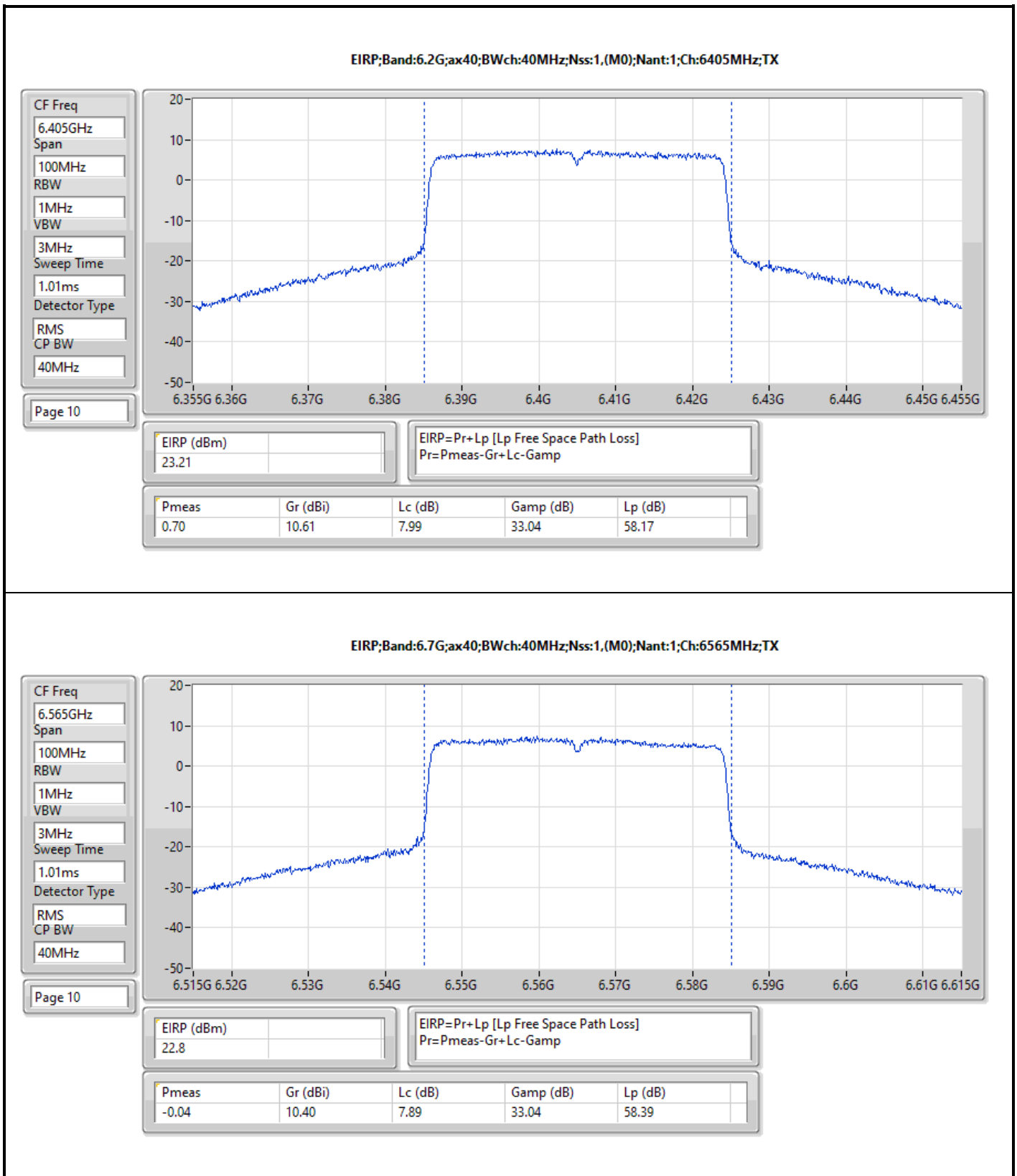


EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:5965MHz;TX

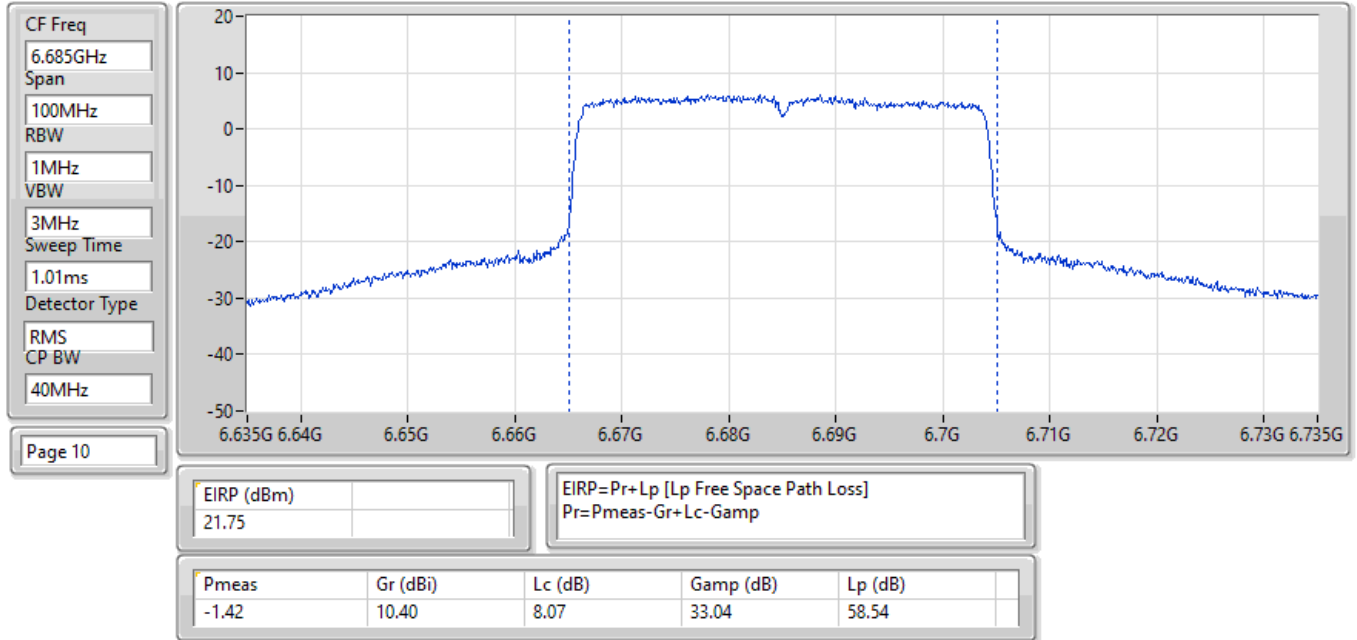


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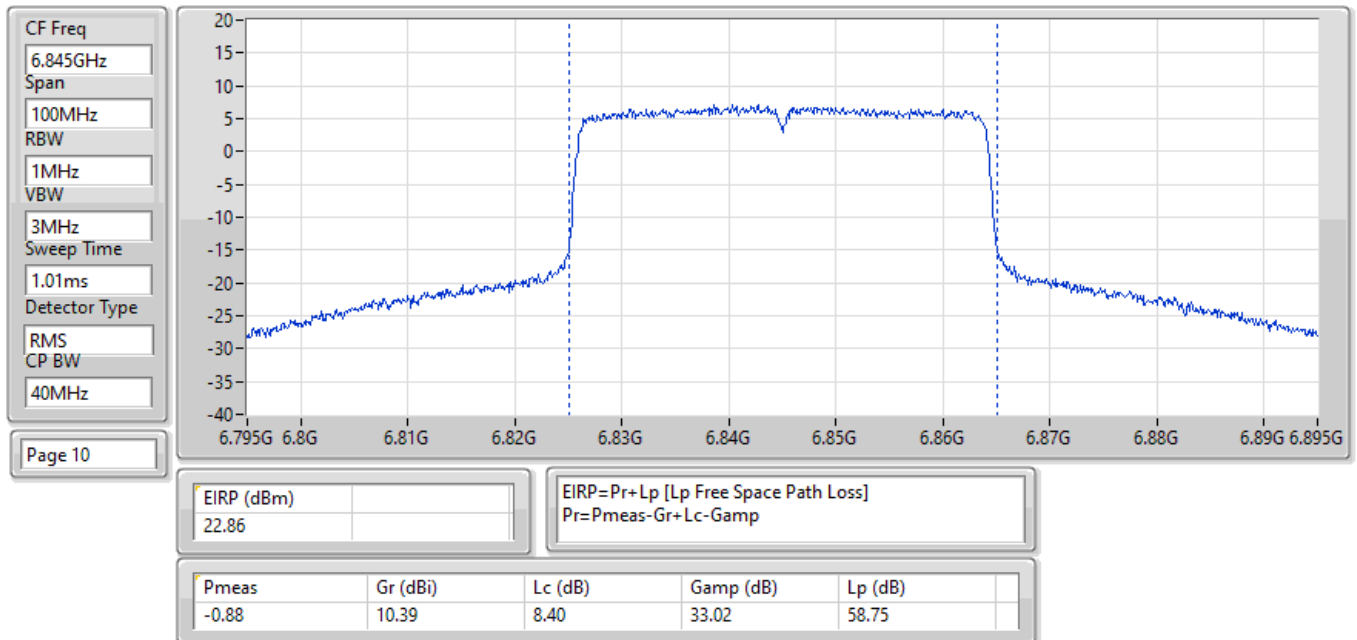




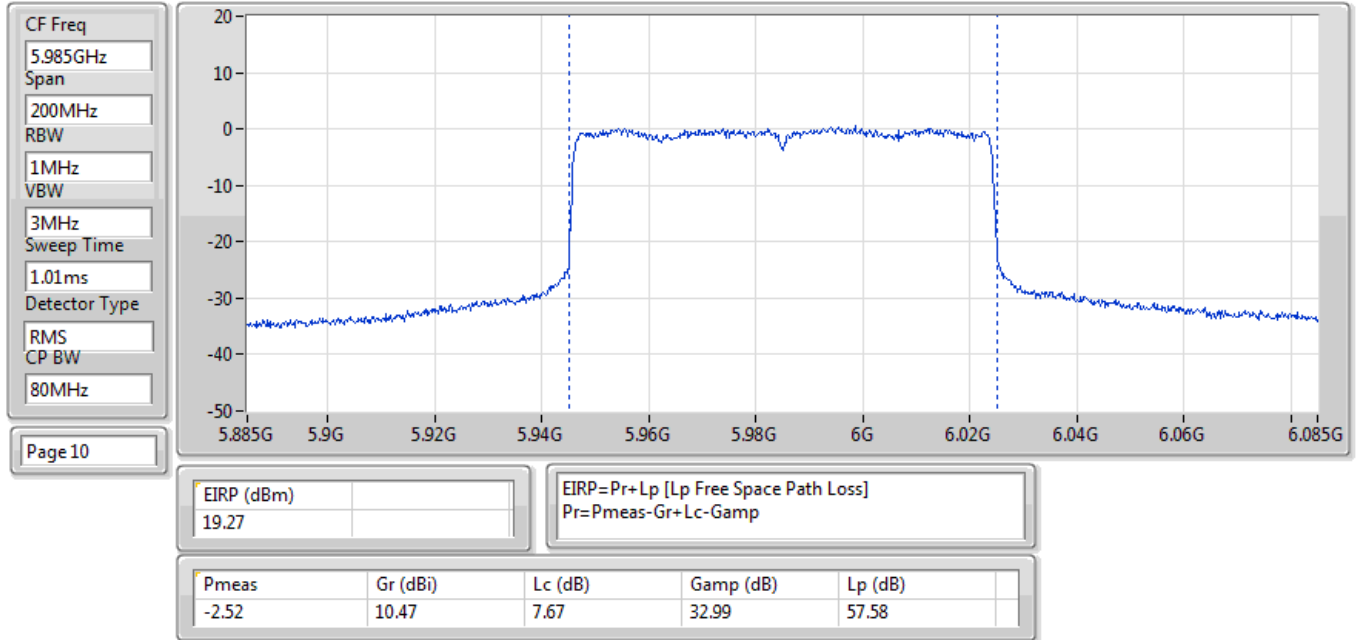
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6685MHz;TX



EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6845MHz;TX



EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:5985MHz;TX



EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6225MHz;TX

