



RADIO TEST REPORT

FCC ID : QXO-AP5010
Equipment : Access Point
Brand Name : Extreme Networks
Model Name : AP5010
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 12, 2025, and testing was started from May 21, 2025 and completed on Jun. 27, 2025. 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 C63.10-2020 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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TEL : 886-3-656-9065
FAX : 886-3-656-9085
Report Template No.: CB-A12_5 Ver2.0



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	15.407(a)	Emission Bandwidth	PASS	-
3.2	15.407(a)	Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	PASS	-
3.3	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.4	15.407(b)	Unwanted Emissions	PASS	-

Conformity Assessment Condition:

1. The test results (PASS/FAIL) with all measurement uncertainty excluded are presented against the regulation limits or in accordance with the requirements stipulated by the applicant/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:

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.

Reviewed by: Sam Chen

Report Producer: Cathy Chiu



1 General Description

1.1 Information

1.1.1 RF General Information

For Indoor Access Point

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-7125	ax (HEW20)	5955-7095	1-229 [58]
5925-7125	ax (HEW40)	5965-7085	3-227 [29]
5925-7125	ax (HEW80)	5985-7025	7-215 [14]
5925-7125	ax (HEW160)	6025-6985	15-207 [7]

For Radio 3

Band	Mode	BWch (MHz)	Nant
UNII 5-8	ax (HEW20)	20	1, 2, 4
UNII 5-8	ax (HEW20)-BF	20	2, 4
UNII 5-8	ax (HEW40)	40	1, 2, 4
UNII 5-8	ax (HEW40)-BF	40	2, 4
UNII 5-8	ax (HEW80)	80	1, 2, 4
UNII 5-8	ax (HEW80)-BF	80	2, 4
UNII 5-8	ax (HEW160)	160	1, 2, 4
UNII 5-8	ax (HEW160)-BF	160	2, 4

For Scanning radio 1

Band	Mode	BWch (MHz)	Nant
UNII 5-8	ax (HEW20)	20	2
UNII 5-8	ax (HEW40)	40	2
UNII 5-8	ax (HEW80)	80	2
UNII 5-8	ax (HEW160)	160	2

**For Standard Power Access Point**

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20)	5955-6415	1-93 [25]
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 3

Band	Mode	BWch	Nant
5.925-6.425GHz	802.11ax HEW20	20	1, 2, 4TX
5.925-6.425GHz	802.11ax HEW20-BF	20	2, 4TX
5.925-6.425GHz	802.11ax HEW40	40	1, 2, 4TX
5.925-6.425GHz	802.11ax HEW40-BF	40	2, 4TX
5.925-6.425GHz	802.11ax HEW80	80	1, 2, 4TX
5.925-6.425GHz	802.11ax HEW80-BF	80	2, 4TX
5.925-6.425GHz	802.11ax HEW160	160	1, 2, 4TX
5.925-6.425GHz	802.11ax HEW160-BF	160	2, 4TX
6.525-6.875GHz	802.11ax HEW20	20	1, 2, 4TX
6.525-6.875GHz	802.11ax HEW20-BF	20	2, 4TX
6.525-6.875GHz	802.11ax HEW40	40	1, 2, 4TX
6.525-6.875GHz	802.11ax HEW40-BF	40	2, 4TX
6.525-6.875GHz	802.11ax HEW80	80	1, 2, 4TX
6.525-6.875GHz	802.11ax HEW80-BF	80	2, 4TX
6.525-6.875GHz	802.11ax HEW160	160	1, 2, 4TX
6.525-6.875GHz	802.11ax HEW160-BF	160	2, 4TX

For Scanning radio 1

Band	Mode	BWch	Nant
5.925-6.425GHz	802.11ax HEW20	20	2TX
5.925-6.425GHz	802.11ax HEW40	40	2TX
5.925-6.425GHz	802.11ax HEW80	80	2TX
5.925-6.425GHz	802.11ax HEW160	160	2TX
6.525-6.875GHz	802.11ax HEW20	20	2TX
6.525-6.875GHz	802.11ax HEW40	40	2TX
6.525-6.875GHz	802.11ax HEW80	80	2TX
6.525-6.875GHz	802.11ax HEW160	160	2TX

Note:

- HEW20, HEW40, HEW80 and HEW160 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- The channel defined in the IEEE Standard P802.11ax™/D6.1.



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 6E (Radio 3)	WLAN 5GHz / WLAN 6GHz (Scanning Radio 1)	BT / IEEE802.15.4 (Radio 4)					
1	3	3	-	-	-	WNC	95XEAJ15.30	PIFA	I-PEX	Note 1
2	1	1	-	-	-	WNC	95XEAJ15.31	PIFA	I-PEX	
3	2	2	-	-	-	WNC	95XEAJ15.32	PIFA	I-PEX	
4	4	4	-	-	-	WNC	95XEAJ15.33	PIFA	I-PEX	
5	-	-	2	-	-	WNC	95XEAJ15.34	PIFA	I-PEX	
6	-	-	1	-	-	WNC	95XEAJ15.35	PIFA	I-PEX	
7	-	-	4	-	-	WNC	95XEAJ15.36	PIFA	I-PEX	
8	-	-	3	-	-	WNC	95XEAJ15.37	PIFA	I-PEX	
9	-	-	-	1	-	WNC	95XEAJ15.38	PIFA	I-PEX	
10	-	-	-	2	-	WNC	95XEAJ15.39	PIFA	I-PEX	
11	-	-	-	-	1	WNC	95XEAJ15.40	PIFA	I-PEX	

Note 1:

Ant.	Antenna Gain (dBi)								
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)	WLAN 5GHz (Radio 2)				WLAN 6E (Radio 3)	WLAN 5GHz (Scanning Radio 1)	WLAN 6GHz (Scanning Radio 1)	BT / IEEE802.15.4 (Radio 4)
		UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 5~UNII 8	UNII 1~UNII 3	UNII 5~UNII 8	
1	2.04	3.99	3.18	2.9	1.52	-	-	-	-
2	2.69	1.96	2.27	1.08	1.18	-	-	-	-
3	3.74	4.38	4.4	2.73	3.04	-	-	-	-
4	1.68	2.83	3.02	2.16	1.69	-	-	-	-
5	-	-	-	-	-	5.2	-	-	-
6	-	-	-	-	-	5.2	-	-	-
7	-	-	-	-	-	5.2	-	-	-
8	-	-	-	-	-	5.2	-	-	-
9	-	-	-	-	-	-	5.9	6.0	-
10	-	-	-	-	-	-	5.9	6.0	-
11	-	-	-	-	-	-	-	-	4.2



Ant.	Directional Gain (dBi)									
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)		WLAN 5GHz (Radio 2)							
			UNII 1		UNII 2A		UNII 2C		UNII 3	
			2T1S	2T2S	2T1S	2T2S	2T1S	2T2S	2T1S	2T2S
2	5.94	2.94	5.06	2.44	5.15	2.51	3.68	0.97	4.04	1.31
3										

Ant.	Directional Gain (dBi)														
	WLAN 2.4GHz (Radio 1) (Scanning Radio 1)			WLAN 5GHz (Radio 2)											
				UNII 1			UNII 2A			UNII 2C			UNII 3		
				4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S	4T1S	4T2S	4T4S
1	7.55	4.55	1.67	6.83	4.38	1.22	6.24	4.40	0.72	5.74	2.90	-0.03	5.92	3.04	0.20
2															
3															
4															

Note 2: The EUT has eleven 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.

The antenna report is provided in the operational description for this application.

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

Note 6: Scanning Radio 1 5GHz: 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	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left(\sum_{k=1}^{N_{ANT}} g_{j,k} \right)^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

$$G1 = 5.9 ; G2 = 5.9$$

$$5 \text{ GHz U-NII-1 DG} = 8.91 \text{ dBi}$$

$$5 \text{ GHz U-NII-2A DG} = 8.91 \text{ dBi}$$

$$5 \text{ GHz U-NII-2C DG} = 8.91 \text{ dBi}$$

$$5 \text{ GHz U-NII-3 DG} = 8.91 \text{ dBi}$$

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

Only Port 1 can be use as transmitting antenna.

Port 1, Port 2 could transmit simultaneously.

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

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

Port 1, Port 2 could transmitting simultaneously.

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 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 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 5~8:**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/4RX):**

Only Port 1 can be use as transmitting antenna.

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 IEEE 802.11a/n/ac/ax mode (2TX/4RX):

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

Port 1, Port 2 could transmitting simultaneously.

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 IEEE 802.11a/n/ac/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 Radio 3**For 6GHz UNII 5~8:****For IEEE 802.11ax mode (1TX/4RX):**

Only Port 1 can be use as transmitting antenna.

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

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

Port 1, Port 2 could transmitting simultaneously.

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 4**Bluetooth / IEEE802.15.4 (1TX):**

Only Port 1 can be used as transmitting antenna.

1.1.3 Mode Test Duty Cycle**For Radio 3**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss1,(MCS0)_1TX	0.983	0.07	1.488m	10
802.11ax HEW40_Nss1,(MCS0)_1TX	0.967	0.15	772.5u	2k
802.11ax HEW80_Nss1,(MCS0)_1TX	0.936	0.29	401.25u	3k
802.11ax HEW160_Nss1,(MCS0)_1TX	0.893	0.49	232.5u	5k
802.11ax HEW20_Nss2,(MCS0)_2TX	0.964	0.16	779.688u	2k
802.11ax HEW40_Nss2,(MCS0)_2TX	0.939	0.27	422.188u	3k
802.11ax HEW80_Nss2,(MCS0)_2TX	0.895	0.48	239.688u	5k
802.11ax HEW160_Nss2,(MCS0)_2TX	0.847	0.72	154.063u	10k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.981	0.08	1.488m	10
802.11ax HEW40_Nss1,(MCS0)_4TX	0.964	0.16	772.5u	2k
802.11ax HEW80_Nss1,(MCS0)_4TX	0.86	0.66	168.75u	10k
802.11ax HEW160_Nss1,(MCS0)_4TX	0.894	0.49	232.5u	5k
802.11ax HEW20_Nss4,(MCS0)_4TX	0.939	0.27	436.563u	3k
802.11ax HEW40_Nss4,(MCS0)_4TX	0.903	0.44	259.688u	5k
802.11ax HEW80_Nss4,(MCS0)_4TX	0.86	0.66	168.75u	10k
802.11ax HEW160_Nss4,(MCS0)_4TX	0.816	0.88	123.75u	10k
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.954	0.2	2.928m	500
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.954	0.2	4.36m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.88	0.56	2.448m	500
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.96	0.18	4.805m	300
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.959	0.18	2.928m	500
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.967	0.15	4.36m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.914	0.39	3.468m	300
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.92	0.36	2.798m	500

For Scanning radio 1

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss 2,(M0)	0.968	0.14	781.25u	3k
802.11ax HEW40_Nss 2,(M0)	0.941	0.26	423.75u	3k
802.11ax HEW80_Nss 2,(M0)	0.901	0.45	241.25u	10k
802.11ax HEW160_Nss 2,(M0)	0.851	0.7	155u	10k

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From Power Adapter or 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 6E in radio 3.	
Device Type	☒ Indoor Access Point	☐ Subordinate
	☐ Indoor Client	☒ Standard Power Access Point
	☐ Dual Client	☐ Standard Client
	☐ Fixed Client	☐ Very Low Power
Condition of EUT	☒ Indoor	☐ Outdoor
Channel Puncturing Function	☐ Supported Static Puncturing	
	☐ Supported Dynamic Puncturing (Reduce BW)	
	☒ Unsupported	
	Note: The EUT doesn't support puncturing for CBP	
Support RU	☒ Full RU	☐ Partial RU
Test Software Version	Non-beamforming mode: accessMTool_3.2.1.5 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

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

Note: The above information was declared by manufacturer.

1.1.6 Table for Radio function

Radio (R)	WLAN 2.4GHz	5GHz UNII 1~3	Scanning radio (WLAN 2.4GHz 4TX / 5GHz UNII 1~3 2TX / 6E UNII 5~8 2TX)	6E (UNII 5~8)	Bluetooth / IEEE802.15.4
R1	V (AP, Bridge, Mesh)	-	V (2.4GHz: AP, Bridge, Mesh/5GHz, 6E: AP)	-	-
R2	-	V AP for UNII 1~3 Bridge, Mesh for UNII 1, 3	-	-	-
R3	-	-	-	V (AP)	-
R4	-	-	-	-	V

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: 1N2903-01

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

Modifications	Performance Checking
1. Adding the Standard Power Access Point for UNII-5, 7.	2. Emission Bandwidth 3. Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) 4. Peak Power Spectral Density (E.I.R.P.) 5. Unwanted Emissions above 1GHz
2. Change test standard version to "ANSI C63.10-2020" from "ANSI C63.10-2013".	After evaluation, it does not need to re-test.



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 C63.10-2020
- ♦ FCC KDB 789033 D02 v02r01

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

- ♦ FCC KDB 987594 D02 v03
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Lance Wu	24.6-24.9 / 51-67	Jun. 13, 2025~ Jun. 27, 2025
RF Radiated (E.I.R.P. Power/PSD) and Radiated (for Radio 3)	03CH01-CB	Stim Sung	21.3~22.3 / 58~61	May 21, 2025~ Jun. 24, 2025
	03CH02-CB		21.5~23.3 / 58~61	
	03CH03-CB		21.6~23.1 / 58~62	
	03CH04-CB		21.4~22.6 / 57~61	
	03CH06-CB		21.9~23.1 / 60~62	
Radiated (for Radio 1)	03CH02-CB	Stim Sung	21.5~23.3 / 58~61	May 21, 2025~ Jun. 24, 2025



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: Date Before May 28, 2025

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%

Test Date: Date After May 27, 2025

Test Items	Uncertainty	Remark
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%
Conducted Emission	2.5 dB	Confidence levels of 95%
Output Power Measurement	1.3 dB	Confidence levels of 95%
Power Density Measurement	2.0 dB	Confidence levels of 95%
Bandwidth Measurement	1.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 3

Mode
802.11ax HEW20_Nss1,(MCS0)_1TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_1TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_1TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_1TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20_Nss2,(MCS0)_2TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss2,(MCS0)_2TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss2,(MCS0)_2TX
5985MHz



6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss2,(MCS0)_2TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20_Nss1,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20_Nss4,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss4,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz



6845MHz
802.11ax HEW80_Nss4,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss4,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20-BF_Nss1,(MCS0)_2TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40-BF_Nss1,(MCS0)_2TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80-BF_Nss1,(MCS0)_2TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160-BF_Nss1,(MCS0)_2TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20-BF_Nss1,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5965MHz
6205MHz



6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6665MHz

For Scanning radio 1

Mode
802.11ax HEW20_Nss2,(MCS0)_2TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss2,(MCS0)_2TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss2,(MCS0)_2TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss2,(MCS0)_2TX
6025MHz
6185MHz
6345MHz
6665MHz

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth
Test Condition	Conducted measurement at transmit chains
1	Radio 3
2	Scanning radio 1

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	Conducted measurement at transmit chains
1	Scanning radio 1

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.
After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in X axis_Radio 3

The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode > 1GHz	CTX
After evaluating, and the worst case was found at X axis, so it was selected to perform test and its test result was written in the report.	
1	EUT in X axis_Radio 3
2	EUT in X axis_Scanning radio 1



The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains
1	Radio 3
2	Scanning radio 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (Bluetooth)
2	R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (IEEE802.15.4)
3	Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (Bluetooth)
4	Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (IEEE802.15.4)
5	Scanning radio 1: (6GHz UNII 5~8) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (Bluetooth)
6	Scanning radio 1: (6GHz UNII 5~8) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5~8/6ID) + R4: (IEEE802.15.4)
7	R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (Bluetooth)
8	R1: (2.4GHz) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (IEEE802.15.4)
9	Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (Bluetooth)
10	Scanning radio 1: (5GHz UNII 1, 3) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (IEEE802.15.4)
11	Scanning radio 1: (6GHz UNII 5, 7) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (Bluetooth)
12	Scanning radio 1: (6GHz UNII 5, 7) + R2: (5GHz UNII 1, 3) + R3: (6GHz UNII 5, 7/6SD) + R4: (IEEE802.15.4)
Refer to Sporton Test Report No.: FA1N2903-15 for Co-location RF Exposure Evaluation.	



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: 6ID means Indoor Access Point mode ; 6SD means Standard Power Access Point mode.

Note 4: The PoE and adapter are for measurement only, would not be marketed.

Their information as below:

Power	Brand	Model
PoE	Microsemi	PD-9001-10GC/AC
Adapter	Powertron	PA1045-120HIB300

2.3 EUT Operation during Test

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 10 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 Wireless AP and transmit duty cycle no less than 98%.



2.4 Accessories

Accessories
Bracket*1

2.5 Support Equipment

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

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

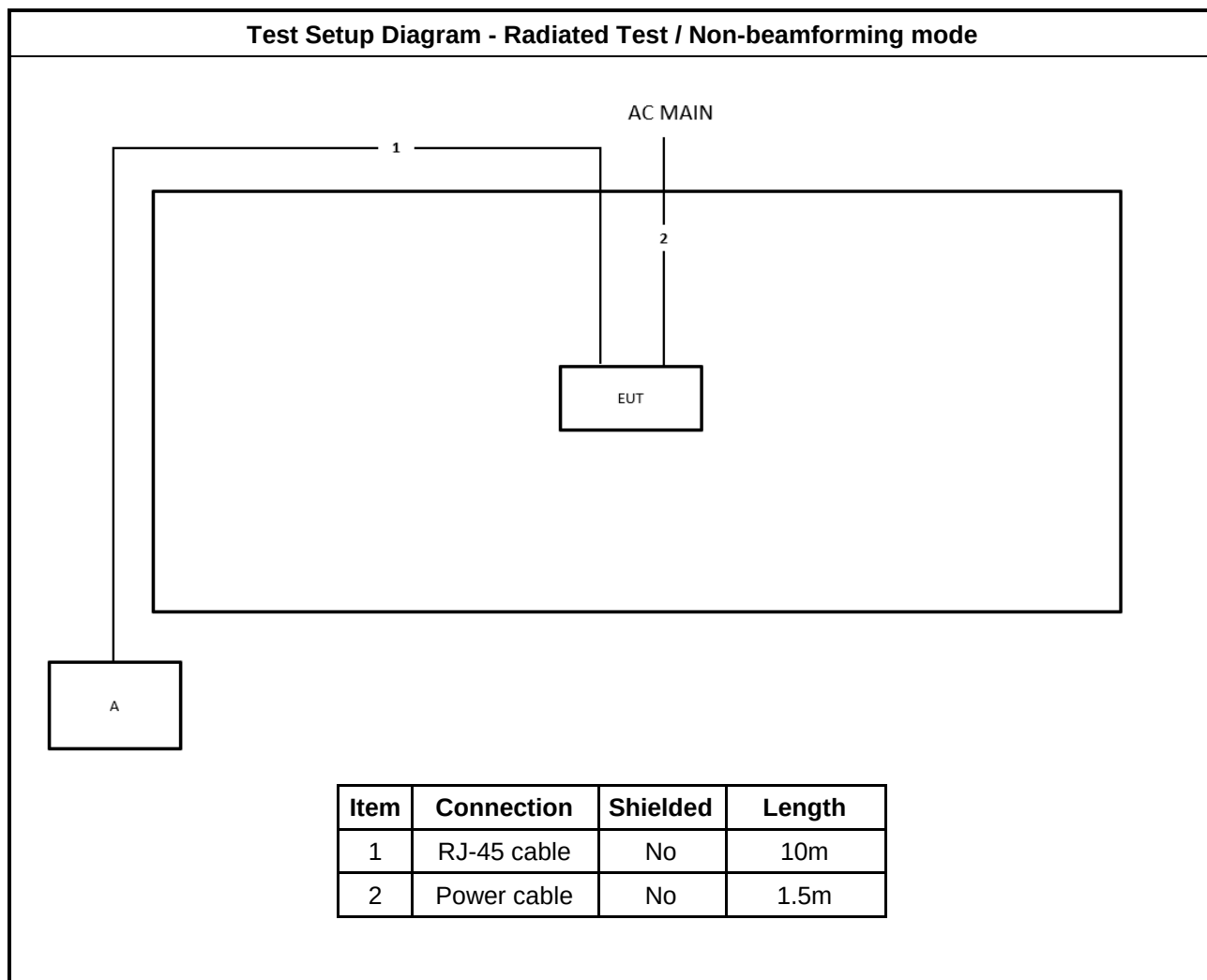
For Radiated (above 1GHz) / Beamforming mode and RF Radiated (Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) and Peak Power Spectral Density (E.I.R.P.) / Beamforming mode:

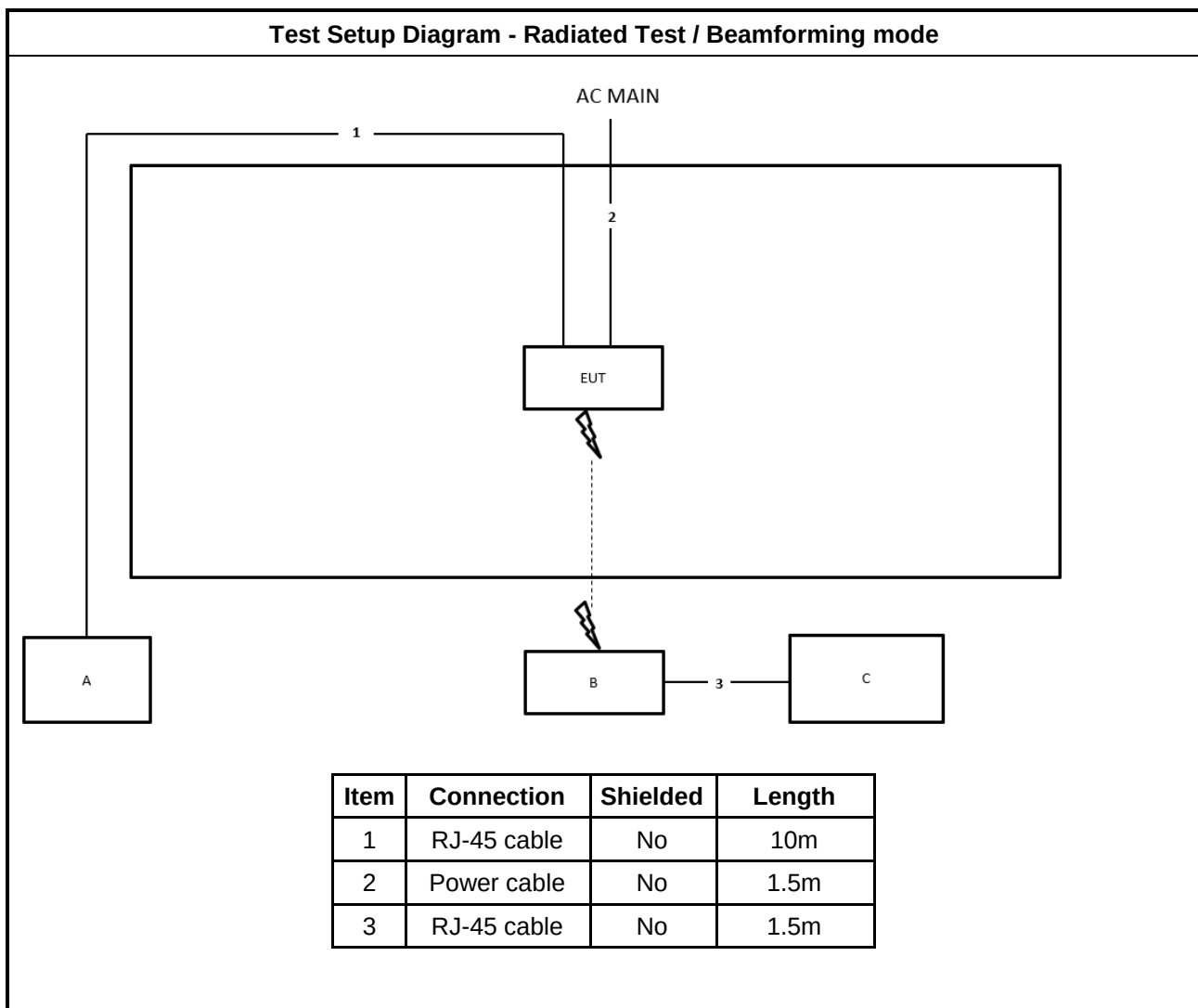
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Access Point	Extreme Networks, Inc.	AP5010	N/A
C	Notebook	DELL	E4300	N/A
D	AC Adapter	Powertron Eletronics Corp.	PA1045-120HIB300	N/A

For RF Conducted:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test / Beamforming mode


3 Transmitter Test Result

3.1 Emission Bandwidth

3.1.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5925-6425 GHz band, need less than 320 MHz bandwidth.
☐	For the 6425-6525 GHz band, need less than 320 MHz bandwidth.
☒	For the 6525-6875 GHz band, need less than 320 MHz bandwidth.
☐	For the 6875-7125 GHz band, need less than 320 MHz bandwidth.
RLAN Devices	
☐	For the 5925-6425 GHz band, need less than 320 MHz bandwidth.
☐	For the 6425-6525 GHz band, need less than 320 MHz bandwidth.
☐	For the 6525-6875 GHz band, need less than 320 MHz bandwidth.
☐	For the 6875-7125 GHz band, need less than 320 MHz bandwidth.

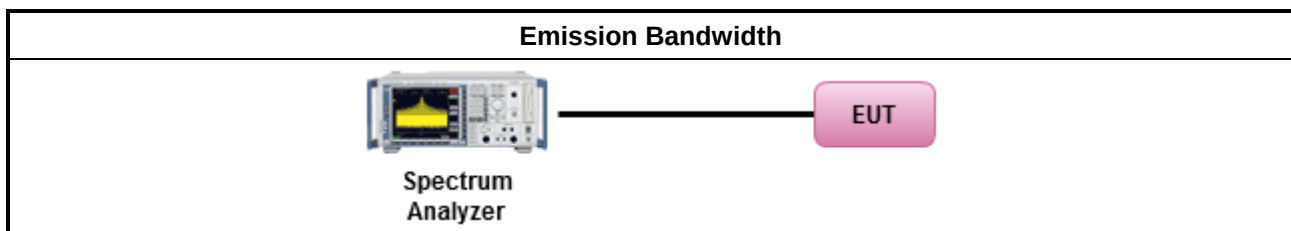
3.1.2 Measuring Instruments

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

3.1.3 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.

3.1.4 Test Setup





3.1.5 Test Result of Emission Bandwidth

Refer as Appendix A

Note:

The 99% OBW of BW320 should be less than 320 MHz of limit, and the other BWs less than 320 MHz of limit are 26 dB EBW.



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

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

Maximum Equivalent Isotropically 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 very low power device : e.i.r.p < 14 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 very low power device : e.i.r.p < 14 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 very low power device : e.i.r.p < 14 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.
	■ For very low power device : e.i.r.p < 14 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 very low-power devices < 14 dBm.
☐ For the 5.925 ~ 6.875 GHz band:	



- | |
|--|
| <ul style="list-style-type: none">▪ 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). |
| <ul style="list-style-type: none">▪ For standard client devices < 30 dBm. |

3.2.2 Measuring Instruments

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

3.2.3 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
	☒ 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
	☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter).
☒ For conducted measurement. For Scanning radio 1	
	▪ 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. For Radio 3	
	▪ 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.

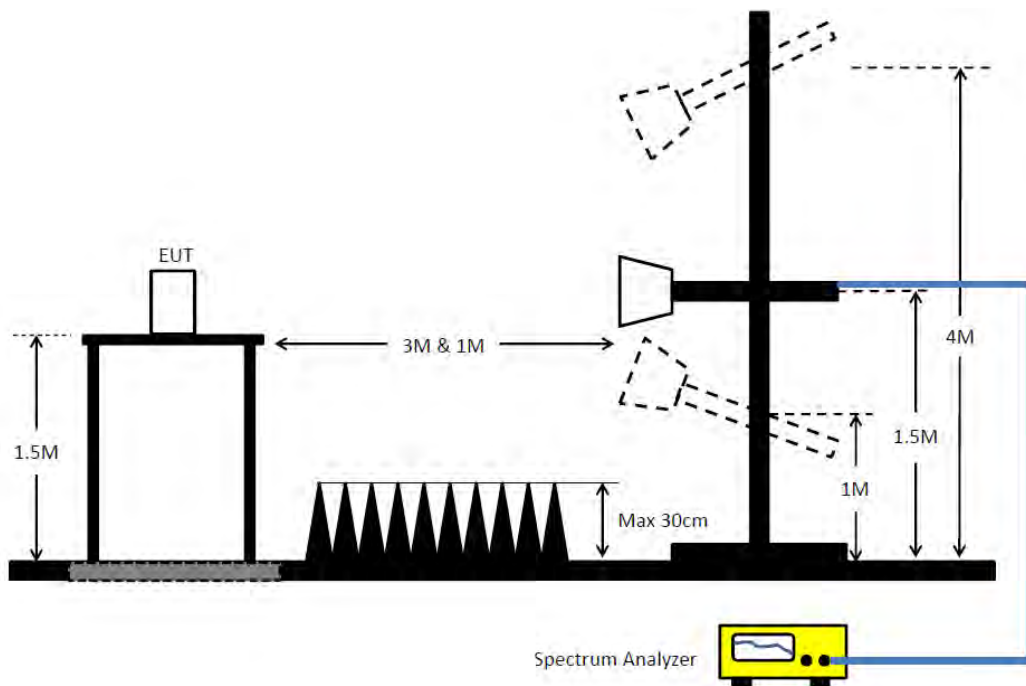
For Scanning radio 1

Conducted Measurement (Power Meter)



For Radio 3

Radiated Measurement



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

Refer as Appendix B



3.3 Peak Power Spectral Density (E.I.R.P.)

3.3.1 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 very low power device : e.i.r.p PSD < -5 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 very low power device : e.i.r.p PSD < -5 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 very low power device : e.i.r.p PSD < -5 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.
	■ For very low power device : e.i.r.p PSD < -5 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 very low-power devices < -5 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.



3.3.2 Measuring Instruments

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

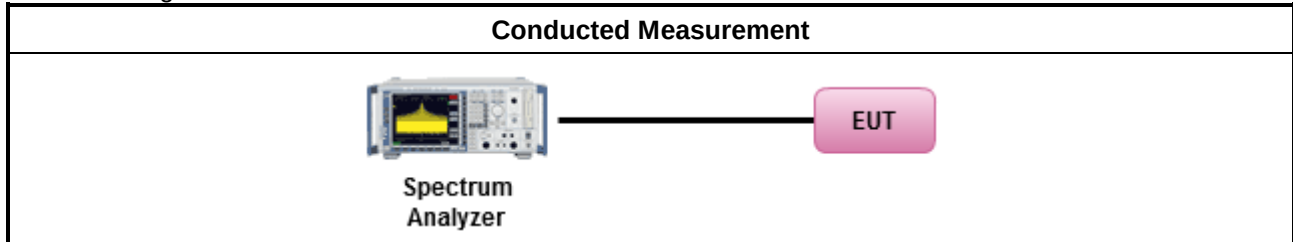
3.3.3 Test Procedures

Test Method	
According to FCC KDB 987594 D02 clause II.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, F5) 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. For Scanning radio 1	
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. For Radio 3	

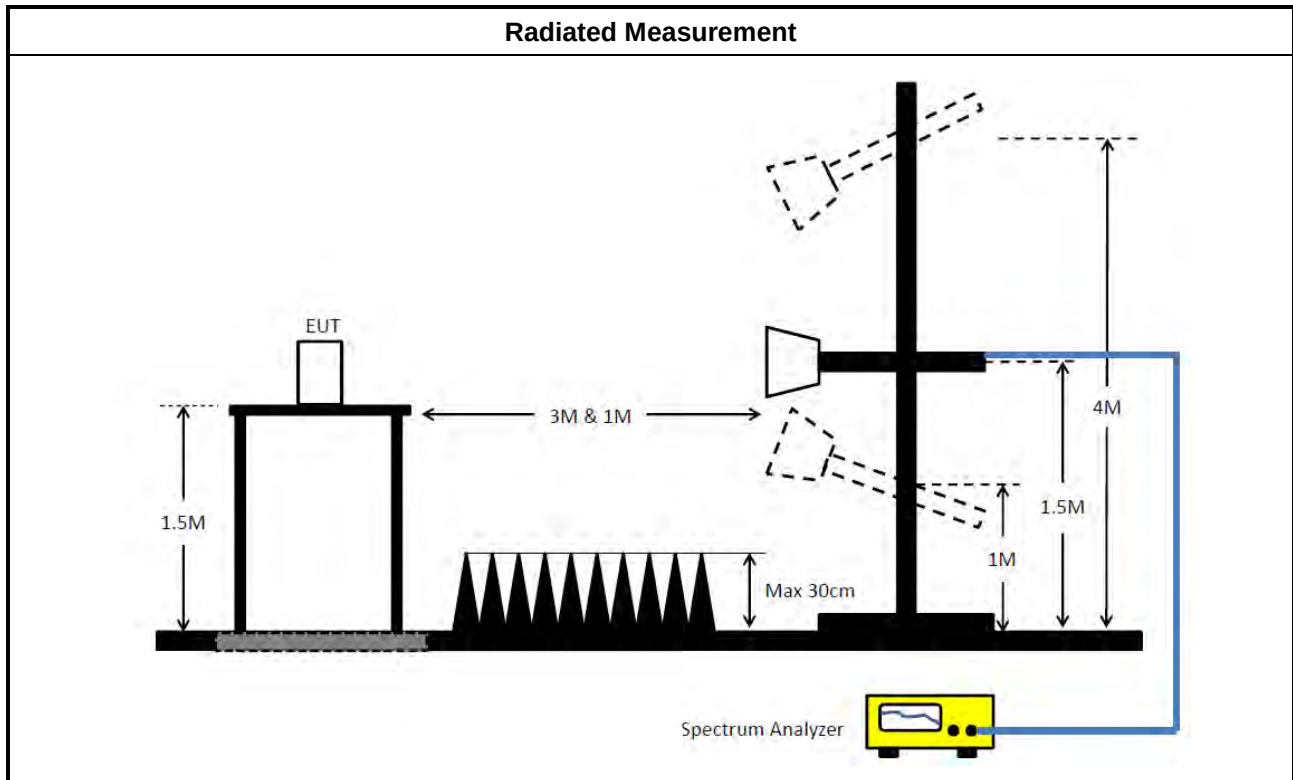
Test Method	
	- Refer as FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" - Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. - Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

3.3.4 Test Setup

For Scanning radio 1



For Radio 3



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

Refer as Appendix C



3.4 Unwanted Emissions

3.4.1 Transmitter Unwanted Emissions Limit

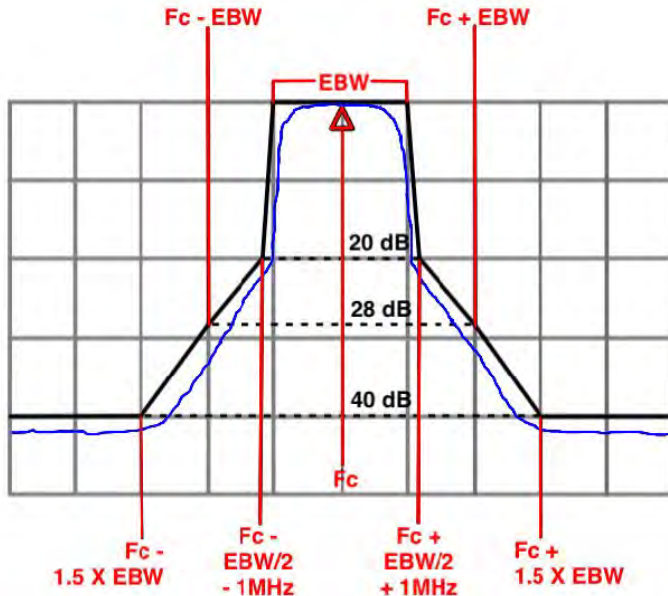
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
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 5.925 – 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
5.925 – 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. 



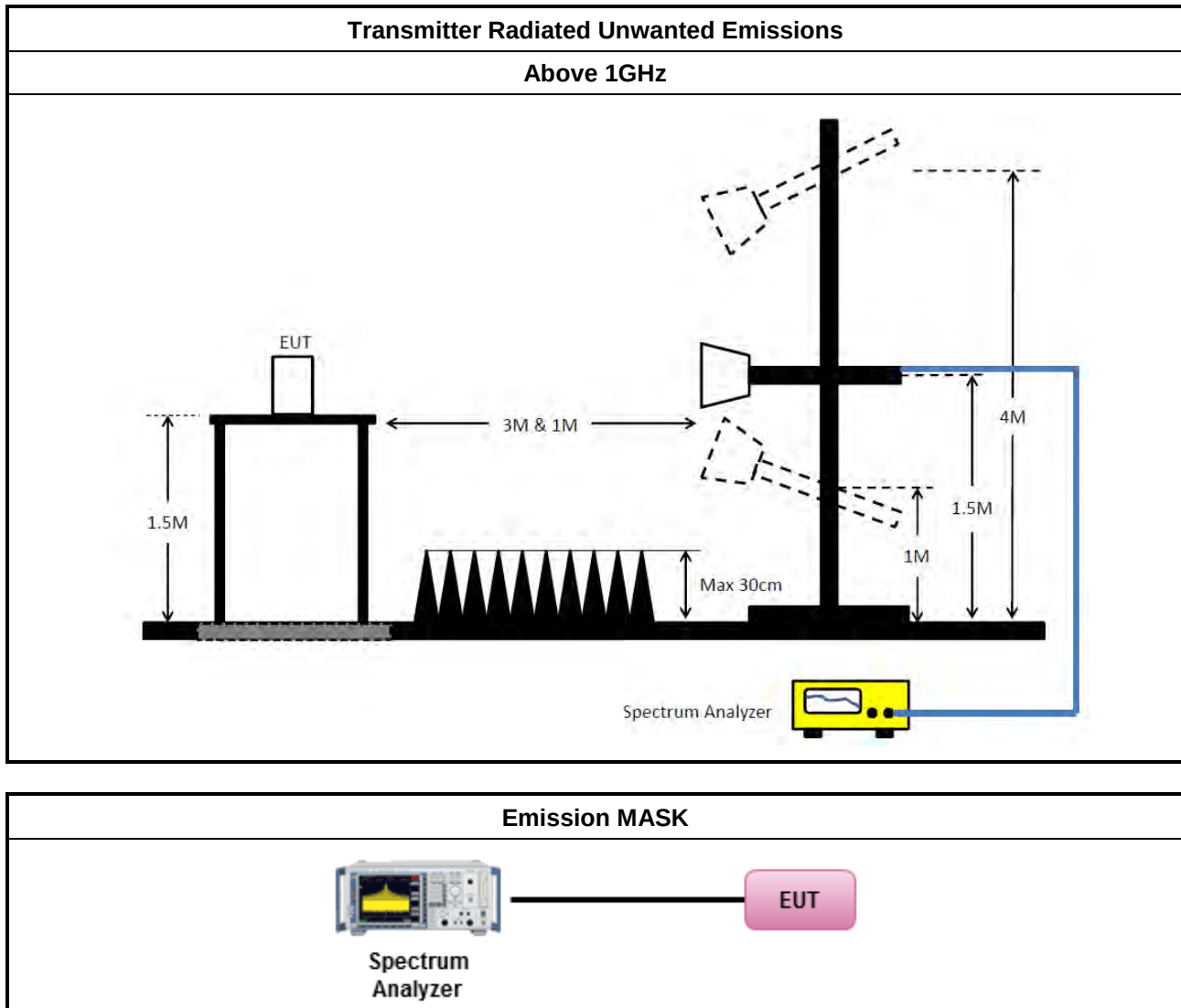
3.4.2 Measuring Instruments

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 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.	

3.4.4 Test Setup



3.4.5 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

3.4.6 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.



3.4.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix D



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 03, 2025	May 02, 2026	Radiation (03CH01-CB)
Horn Antenna	ETS-Lindgren	3115	00143147	750MHz~ 18GHz	Oct. 18, 2024	Oct. 17, 2025	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 16, 2025	May 15, 2026	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Dec. 12, 2024	Dec. 11, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Apr. 30, 2025	Apr. 29, 2026	Radiation (03CH01-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH01-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz- 7.115GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 23, 2025	Mar. 22, 2026	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 15, 2025	Apr. 14, 2026	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH02-CB)
Signal Analyzer	R&S	FSV3044	101536	10kHz ~ 44GHz	Aug. 14, 2024	Aug. 13, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 20, 2024	Jun. 19, 2025	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Jun. 19, 2025	Jun. 18, 2026	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH02-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 02, 2025	May 01, 2026	Radiation (03CH03-CB)
Horn Antenna	ETS-Lindgren	3115	6821	750MHz~18GHz	Feb. 20, 2025	Feb. 19, 2026	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jun. 29, 2024	Jun. 28, 2025	Radiation (03CH03-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jul. 11, 2024	Jul. 10, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 21, 2025	Feb. 20, 2026	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2024	Dec. 19, 2025	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH5265	20211115-1	1~ 26.5GHz	Jan. 16, 2025	Jan. 15, 2026	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 24, 2025	Mar. 23, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Apr. 25, 2025	Apr. 24, 2026	Radiation (03CH04-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH04-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH04-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Oct. 08, 2024	Oct. 07, 2025	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 23, 2024	Sep. 22, 2025	Radiation (03CH06-CB)
Pre-Amplifier	EMCI	EMC12630SE	980383	1GHz ~ 18GHz	Jul. 31, 2024	Jul. 30, 2025	Radiation (03CH06-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 25, 2024	Nov. 24, 2025	Radiation (03CH06-CB)
Signal analyzer	R&S	FSV3044	101667	9kHz~44GHz	Aug. 20, 2024	Aug. 19, 2025	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+68	1GHz~18GHz	Oct. 01, 2024	Sep. 30, 2025	Radiation (03CH06-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1GHz ~ 7.4GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH06-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1GHz ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 02, 2025	Jan. 01, 2026	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 06, 2024	Sep. 05, 2025	Conducted (TH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 01, 2024	Sep. 30, 2025	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1 ~ 8GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1~18GHz	Oct. 02, 2024	Oct. 01, 2025	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11. 23	5.15GHz-7.115GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

Note: Calibration Interval of instruments listed above is one year.

NCR means Non-Calibration required.

Test Mode: Mode 1

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	39.82M	19.41M	19M4D1D	33.605M	19.258M
802.11ax HEW20_Nss2,(MCS0)_2TX	38.225M	19.538M	19M5D1D	32.175M	19.172M
802.11ax HEW20_Nss1,(MCS0)_4TX	40.645M	19.873M	19M9D1D	23.375M	19.077M
802.11ax HEW20_Nss4,(MCS0)_4TX	40.865M	19.807M	19M8D1D	25.025M	19.097M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	40.095M	19.853M	19M9D1D	33.99M	19.263M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	41.58M	19.951M	20M0D1D	27.06M	19.054M
802.11ax HEW40_Nss1,(MCS0)_1TX	78.98M	38.852M	38M9D1D	53.79M	37.819M
802.11ax HEW40_Nss2,(MCS0)_2TX	82.61M	38.917M	38M9D1D	42.13M	37.85M
802.11ax HEW40_Nss1,(MCS0)_4TX	86.68M	39.156M	39M2D1D	40.26M	37.78M
802.11ax HEW40_Nss4,(MCS0)_4TX	78.32M	38.772M	38M8D1D	40.04M	37.746M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	79.2M	39.08M	39M1D1D	40.48M	37.832M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	81.4M	38.916M	38M9D1D	40.26M	37.757M
802.11ax HEW80_Nss1,(MCS0)_1TX	174.68M	78.734M	78M7D1D	94.38M	77.551M
802.11ax HEW80_Nss2,(MCS0)_2TX	171.6M	79.207M	79M2D1D	82.06M	77.259M
802.11ax HEW80_Nss1,(MCS0)_4TX	169.18M	79.039M	79M0D1D	81.62M	77.308M
802.11ax HEW80_Nss4,(MCS0)_4TX	167.86M	79.437M	79M4D1D	80.74M	77.191M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	172.92M	79.752M	79M8D1D	84.26M	77.371M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	182.6M	79.413M	79M4D1D	81.18M	77.301M
802.11ax HEW160_Nss1,(MCS0)_1TX	318.56M	158.664M	159MD1D	270.16M	157.361M
802.11ax HEW160_Nss2,(MCS0)_2TX	317.24M	158.518M	159MD1D	162.8M	156.253M
802.11ax HEW160_Nss1,(MCS0)_4TX	318.56M	159.073M	159MD1D	162.8M	156.406M
802.11ax HEW160_Nss4,(MCS0)_4TX	319.88M	159.646M	160MD1D	210.32M	156.567M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	315.48M	158.704M	159MD1D	242.44M	156.898M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	319.88M	158.959M	159MD1D	165M	156.615M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	49.94M	26.086M	26M1D1D	37.62M	19.476M
802.11ax HEW20_Nss2,(MCS0)_2TX	71.555M	40.156M	40M2D1D	36.905M	19.438M
802.11ax HEW20_Nss1,(MCS0)_4TX	47.465M	26.109M	26M1D1D	28.325M	19.055M
802.11ax HEW20_Nss4,(MCS0)_4TX	50.82M	31.133M	31M1D1D	22.275M	19.077M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	73.81M	40.357M	40M4D1D	34.54M	19.289M
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	50.765M	31.256M	31M3D1D	24.475M	19.154M
802.11ax HEW40_Nss1,(MCS0)_1TX	97.02M	56.362M	56M4D1D	94.05M	49.303M
802.11ax HEW40_Nss2,(MCS0)_2TX	96.47M	58.064M	58M1D1D	85.14M	47.461M
802.11ax HEW40_Nss1,(MCS0)_4TX	100.65M	59.287M	59M3D1D	75.46M	38.168M
802.11ax HEW40_Nss4,(MCS0)_4TX	98.23M	61.275M	61M3D1D	75.13M	38.223M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	98.34M	58.081M	58M1D1D	90.53M	46.122M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	99.55M	59.115M	59M1D1D	69.08M	38.18M
802.11ax HEW80_Nss1,(MCS0)_1TX	200.42M	114.869M	115MD1D	189.64M	98.826M
802.11ax HEW80_Nss2,(MCS0)_2TX	203.06M	117.55M	118MD1D	190.52M	103.655M
802.11ax HEW80_Nss1,(MCS0)_4TX	202.4M	124.488M	124MD1D	142.12M	78.189M
802.11ax HEW80_Nss4,(MCS0)_4TX	203.94M	121.697M	122MD1D	151.8M	78.075M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	199.98M	118.918M	119MD1D	184.8M	103.507M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	210.76M	125.069M	125MD1D	155.1M	78.217M

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
802.11ax HEW160_Nss1,(MCS0)_1TX	318.56M	157.783M	158MD1D	318.56M	157.783M
802.11ax HEW160_Nss2,(MCS0)_2TX	315.48M	158.317M	158MD1D	312.84M	157.684M
802.11ax HEW160_Nss1,(MCS0)_4TX	312.84M	157.72M	158MD1D	300.52M	156.612M
802.11ax HEW160_Nss4,(MCS0)_4TX	318.56M	164.057M	164MD1D	300.96M	156.738M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	314.6M	157.449M	157MD1D	311.08M	157.402M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	316.8M	157.942M	158MD1D	291.72M	156.542M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320M	33.605M	19.258M						
6195MHz	Pass	320M	34.65M	19.324M						
6415MHz	Pass	320M	39.82M	19.41M						
6535MHz	Pass	320M	37.62M	19.476M						
6695MHz	Pass	320M	47.905M	24.386M						
6855MHz	Pass	320M	49.94M	26.086M						
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320M	53.79M	37.819M						
6205MHz	Pass	320M	68.97M	38.485M						
6405MHz	Pass	320M	78.98M	38.852M						
6565MHz	Pass	320M	94.05M	49.303M						
6685MHz	Pass	320M	96.47M	55.958M						
6845MHz	Pass	320M	97.02M	56.362M						
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320M	94.38M	77.551M						
6225MHz	Pass	320M	138.82M	78.193M						
6385MHz	Pass	320M	174.68M	78.734M						
6625MHz	Pass	320M	189.64M	98.826M						
6705MHz	Pass	320M	198.66M	104.54M						
6785MHz	Pass	320M	200.42M	114.869M						
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320M	270.16M	157.361M						
6185MHz	Pass	320M	314.16M	158.664M						
6345MHz	Pass	320M	318.56M	158.433M						
6665MHz	Pass	320M	318.56M	157.783M						
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320M	34.925M	19.172M	33.715M	19.311M				
6195MHz	Pass	320M	32.175M	19.32M	36.41M	19.234M				
6415MHz	Pass	320M	37.73M	19.475M	38.225M	19.538M				
6535MHz	Pass	320M	36.905M	19.501M	41.415M	19.438M				
6695MHz	Pass	320M	46.145M	24.453M	71.555M	40.156M				
6855MHz	Pass	320M	47.74M	27.488M	52.69M	33.1M				
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320M	42.13M	37.85M	46.31M	37.856M				
6205MHz	Pass	320M	73.04M	38.376M	65.67M	38.314M				
6405MHz	Pass	320M	82.61M	38.917M	77.99M	38.814M				
6565MHz	Pass	320M	89.98M	51.5M	85.14M	47.461M				
6685MHz	Pass	320M	96.47M	57.254M	91.85M	52.986M				
6845MHz	Pass	320M	88.88M	58.064M	92.51M	55.719M				
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320M	82.06M	77.328M	83.16M	77.259M				
6225MHz	Pass	320M	146.96M	78.356M	130.02M	78.149M				
6385MHz	Pass	320M	171.6M	79.207M	165M	78.43M				
6625MHz	Pass	320M	201.52M	104.66M	190.74M	103.655M				
6705MHz	Pass	320M	199.98M	107.546M	196.24M	108.78M				
6785MHz	Pass	320M	203.06M	117.55M	190.52M	116.298M				
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320M	164.56M	156.299M	162.8M	156.253M				
6185MHz	Pass	320M	317.24M	158.518M	308.44M	158.34M				
6345MHz	Pass	320M	313.28M	158.26M	314.16M	157.989M				
6665MHz	Pass	320M	312.84M	158.317M	315.48M	157.684M				
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320M	33.055M	19.3M	37.62M	19.347M	25.96M	19.141M	23.375M	19.077M
6195MHz	Pass	320M	33.99M	19.328M	31.24M	19.348M	27.72M	19.175M	28.05M	19.135M

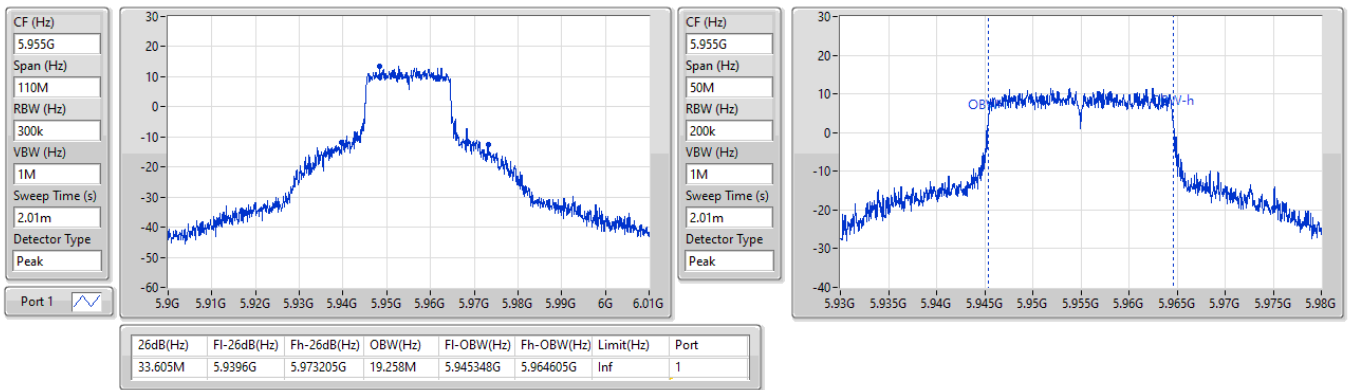
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
6415MHz	Pass	320M	37.84M	19.754M	40.645M	19.873M	33.55M	19.225M	35.585M	19.117M
6535MHz	Pass	320M	43.505M	19.75M	37.125M	19.33M	28.38M	19.099M	28.325M	19.055M
6695MHz	Pass	320M	47.465M	23.245M	45.76M	22.588M	34.1M	19.212M	29.37M	19.173M
6855MHz	Pass	320M	44.55M	26.109M	44.055M	25.042M	46.09M	21.188M	35.365M	19.371M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320M	41.03M	37.78M	40.48M	37.831M	40.48M	37.812M	40.26M	37.806M
6205MHz	Pass	320M	86.68M	38.522M	77.11M	38.296M	62.7M	38.077M	48.84M	37.973M
6405MHz	Pass	320M	76.67M	39.156M	83.16M	38.667M	67.43M	38.087M	58.74M	37.97M
6565MHz	Pass	320M	91.3M	54.306M	94.27M	50.775M	79.86M	38.605M	79.09M	38.168M
6685MHz	Pass	320M	100.65M	58.989M	96.36M	56.53M	84.92M	38.996M	75.46M	38.58M
6845MHz	Pass	320M	97.13M	59.287M	94.93M	58.071M	88.88M	51.631M	80.85M	38.744M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320M	81.62M	77.308M	82.28M	77.368M	84.92M	77.36M	81.62M	77.38M
6225MHz	Pass	320M	169.18M	78.411M	141.68M	78.13M	125.84M	77.805M	90.2M	77.517M
6385MHz	Pass	320M	151.8M	79.039M	168.52M	78.426M	114.18M	77.609M	121.88M	77.611M
6625MHz	Pass	320M	169.4M	110.444M	190.96M	109.003M	163.9M	78.367M	142.12M	78.274M
6705MHz	Pass	320M	196.46M	113.101M	193.82M	112.919M	175.56M	79.108M	164.34M	78.189M
6785MHz	Pass	320M	201.08M	124.488M	202.4M	121.304M	173.36M	92.436M	182.38M	79.156M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320M	260.04M	156.582M	162.8M	156.713M	164.56M	156.641M	165M	156.406M
6185MHz	Pass	320M	316.36M	159.037M	311.08M	158.6M	306.24M	157.787M	304.92M	157.231M
6345MHz	Pass	320M	318.56M	159.073M	311.52M	158.027M	291.72M	157.429M	302.28M	156.965M
6665MHz	Pass	320M	310.64M	157.708M	311.96M	157.72M	312.84M	156.679M	300.52M	156.612M
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320M	30.965M	19.184M	34.045M	19.253M	25.245M	19.133M	25.025M	19.106M
6195MHz	Pass	320M	37.51M	19.334M	33.88M	19.292M	26.18M	19.11M	26.015M	19.097M
6415MHz	Pass	320M	40.26M	19.588M	40.865M	19.807M	34.265M	19.159M	34.32M	19.157M
6535MHz	Pass	320M	42.9M	19.516M	42.35M	19.305M	32.505M	19.122M	22.275M	19.077M
6695MHz	Pass	320M	42.625M	23.284M	50.82M	31.133M	41.8M	19.304M	34.98M	19.17M
6855MHz	Pass	320M	46.97M	25.634M	44.99M	25.241M	46.09M	20.363M	37.455M	19.171M
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320M	45.32M	37.791M	41.14M	37.755M	40.37M	37.751M	40.04M	37.746M
6205MHz	Pass	320M	77.77M	38.772M	75.57M	38.297M	60.94M	38.08M	45.21M	37.899M
6405MHz	Pass	320M	78.32M	38.673M	75.57M	38.47M	57.53M	37.999M	56.65M	37.887M
6565MHz	Pass	320M	96.69M	55.347M	90.64M	52.214M	77.22M	39.096M	75.13M	38.223M
6685MHz	Pass	320M	96.47M	61.275M	96.58M	57.239M	82.72M	39.878M	75.13M	38.488M
6845MHz	Pass	320M	95.15M	59.779M	98.23M	57.83M	88M	49.694M	82.5M	38.952M
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320M	86.68M	77.205M	80.74M	77.191M	83.16M	77.439M	81.84M	77.374M
6225MHz	Pass	320M	133.32M	78.461M	139.26M	78.258M	140.14M	77.978M	97.9M	77.505M
6385MHz	Pass	320M	167.86M	79.437M	157.74M	78.829M	121.88M	77.834M	98.12M	77.61M
6625MHz	Pass	320M	196.46M	106.256M	198M	110.812M	157.52M	78.381M	151.8M	78.075M
6705MHz	Pass	320M	201.52M	112.265M	190.08M	112.028M	174.46M	79.018M	172.7M	78.201M
6785MHz	Pass	320M	203.94M	121M	201.08M	121.697M	195.14M	92.962M	165.66M	78.623M
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320M	263.12M	156.665M	263.12M	156.637M	230.56M	156.595M	210.32M	156.567M
6185MHz	Pass	320M	315.92M	159.646M	319.88M	159.302M	304.04M	157.983M	309.76M	157.615M
6345MHz	Pass	320M	316.8M	158.692M	309.32M	158.62M	309.76M	157.434M	302.72M	157.048M
6665MHz	Pass	320M	318.12M	164.057M	318.56M	158.9M	316.36M	157.525M	300.96M	156.738M
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320M	33.99M	19.264M	37.51M	19.263M				
6195MHz	Pass	320M	39.105M	19.357M	33.99M	19.333M				
6415MHz	Pass	320M	40.095M	19.56M	39.545M	19.853M				
6535MHz	Pass	320M	34.54M	19.431M	35.2M	19.289M				
6695MHz	Pass	320M	49.17M	25.89M	73.81M	40.357M				
6855MHz	Pass	320M	46.42M	27.572M	68.09M	39.663M				

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 HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320M	40.48M	37.853M	40.59M	37.832M				
6205MHz	Pass	320M	78.32M	38.65M	79.09M	38.185M				
6405MHz	Pass	320M	78.21M	39.08M	79.2M	38.643M				
6565MHz	Pass	320M	90.53M	53.735M	91.85M	46.122M				
6685MHz	Pass	320M	95.26M	57.22M	96.69M	53.097M				
6845MHz	Pass	320M	98.34M	58.081M	96.36M	56.852M				
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320M	84.26M	77.371M	95.26M	77.501M				
6225MHz	Pass	320M	172.92M	78.22M	159.5M	78.04M				
6385MHz	Pass	320M	165.88M	79.752M	154.22M	78.363M				
6625MHz	Pass	320M	198M	104.785M	187M	103.507M				
6705MHz	Pass	320M	187.22M	111.508M	199.98M	109.831M				
6785MHz	Pass	320M	197.78M	118.918M	184.8M	114.932M				
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320M	268.84M	157.11M	242.44M	156.898M				
6185MHz	Pass	320M	314.6M	158.704M	310.64M	158.457M				
6345MHz	Pass	320M	315.48M	158.533M	305.8M	158.028M				
6665MHz	Pass	320M	314.6M	157.402M	311.08M	157.449M				
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	320M	39.985M	19.257M	33.11M	19.469M	27.06M	19.097M	28.325M	19.054M
6195MHz	Pass	320M	33.385M	19.406M	36.08M	19.312M	29.645M	19.191M	33.11M	19.112M
6415MHz	Pass	320M	40.095M	19.951M	41.58M	19.877M	36.08M	19.231M	30.085M	19.166M
6535MHz	Pass	320M	37.62M	19.62M	37.84M	19.449M	25.905M	19.178M	24.475M	19.154M
6695MHz	Pass	320M	47.41M	24.253M	50.765M	31.256M	37.785M	19.413M	36.355M	19.242M
6855MHz	Pass	320M	47.41M	25.46M	45.045M	25.594M	45.375M	21.773M	29.92M	19.286M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	320M	42.13M	37.816M	45.21M	37.759M	41.8M	37.87M	40.26M	37.757M
6205MHz	Pass	320M	74.25M	38.724M	70.29M	38.296M	63.8M	38.044M	48.62M	37.925M
6405MHz	Pass	320M	81.4M	38.916M	75.68M	38.427M	66.66M	37.949M	51.59M	38.025M
6565MHz	Pass	320M	95.26M	55.254M	92.73M	50.035M	87.78M	38.637M	69.08M	38.18M
6685MHz	Pass	320M	91.08M	59.115M	96.47M	55.286M	84.26M	38.816M	79.31M	38.376M
6845MHz	Pass	320M	99.55M	58.446M	96.69M	58.571M	86.35M	48.669M	77.44M	38.622M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	320M	81.18M	77.372M	81.84M	77.309M	82.06M	77.471M	81.62M	77.301M
6225MHz	Pass	320M	148.28M	78.484M	126.28M	78.073M	108.24M	77.869M	108.9M	77.539M
6385MHz	Pass	320M	182.6M	79.413M	165.44M	78.818M	122.54M	77.712M	104.28M	77.59M
6625MHz	Pass	320M	193.38M	106.538M	197.12M	110.297M	172.48M	78.513M	169.18M	78.217M
6705MHz	Pass	320M	192.72M	114.11M	201.96M	112.905M	164.34M	79.292M	155.1M	78.263M
6785MHz	Pass	320M	210.76M	125.069M	196.9M	122.217M	194.26M	93.381M	157.96M	79.071M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	320M	269.28M	156.905M	254.76M	156.662M	216.92M	156.615M	165M	156.651M
6185MHz	Pass	320M	314.6M	158.959M	319.88M	158.683M	310.64M	157.584M	305.36M	157.246M
6345MHz	Pass	320M	315.04M	158.859M	313.72M	157.973M	310.2M	157.39M	312.84M	156.869M
6665MHz	Pass	320M	316.8M	157.942M	308.88M	157.676M	297.44M	156.85M	291.72M	156.542M

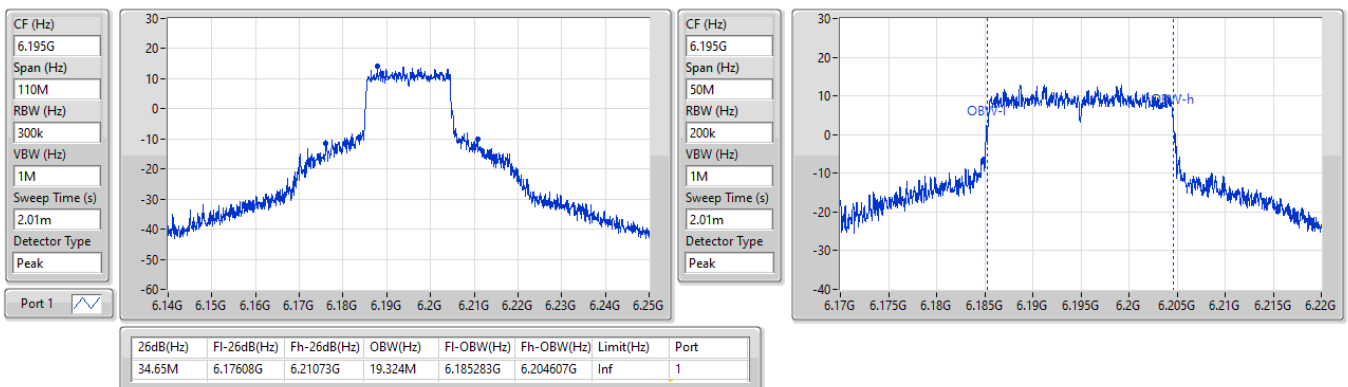
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

13/06/2025


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

13/06/2025

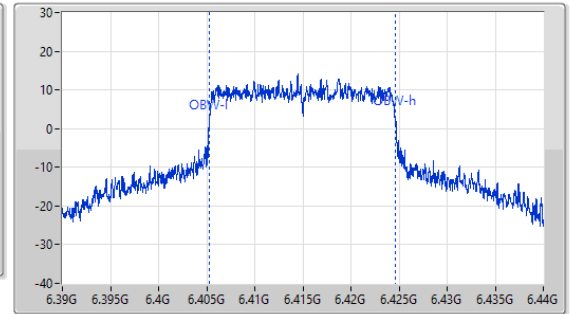
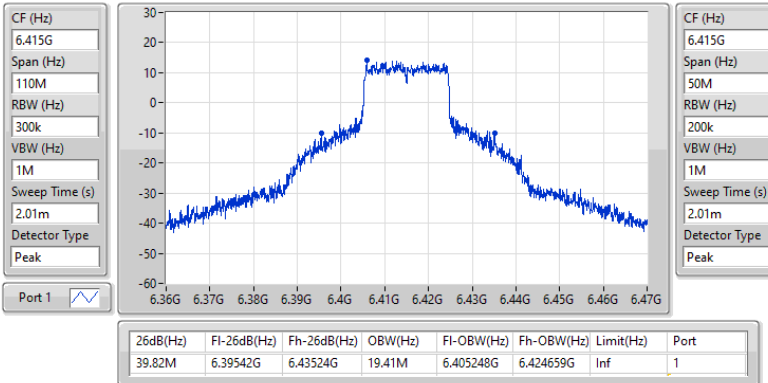


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

6415MHz

13/06/2025

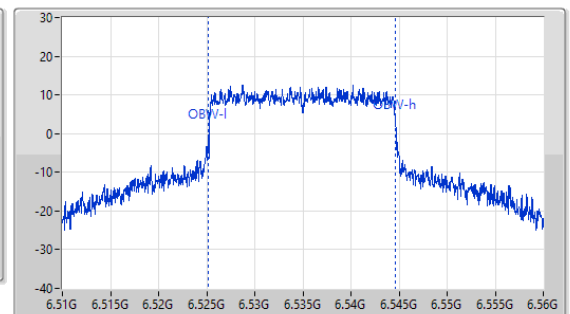
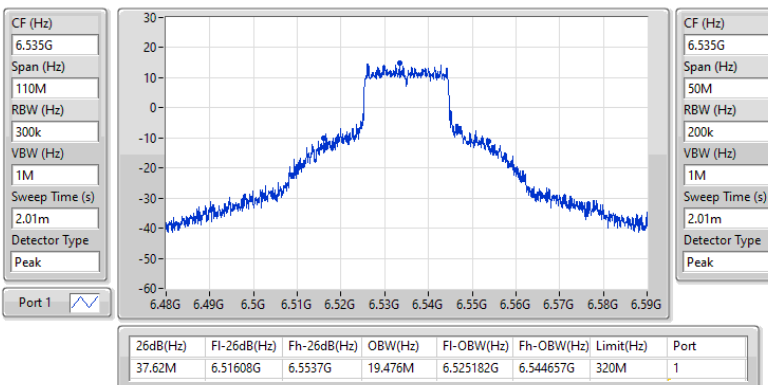


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX

EBW

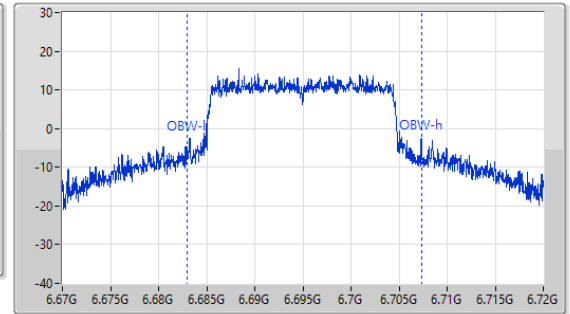
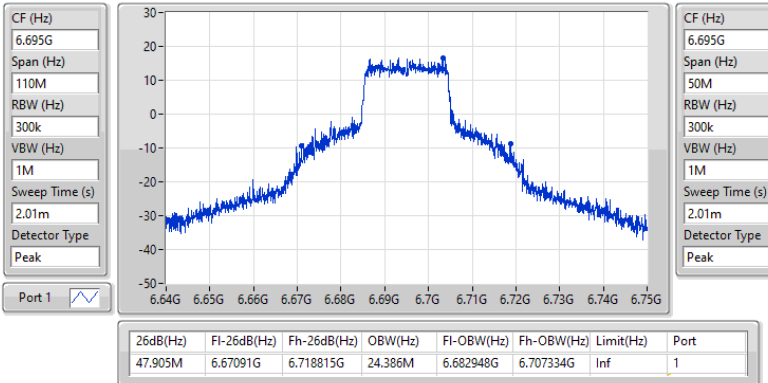
6535MHz

20/06/2025

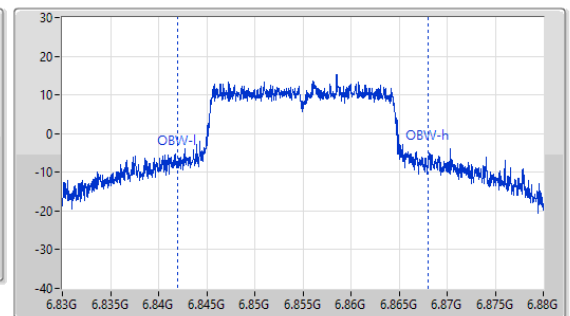
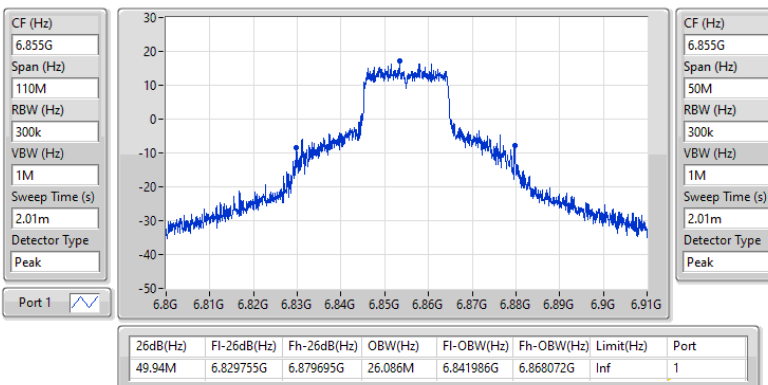


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6695MHz

13/06/2025

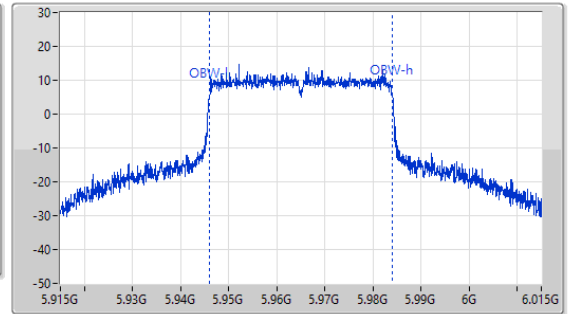
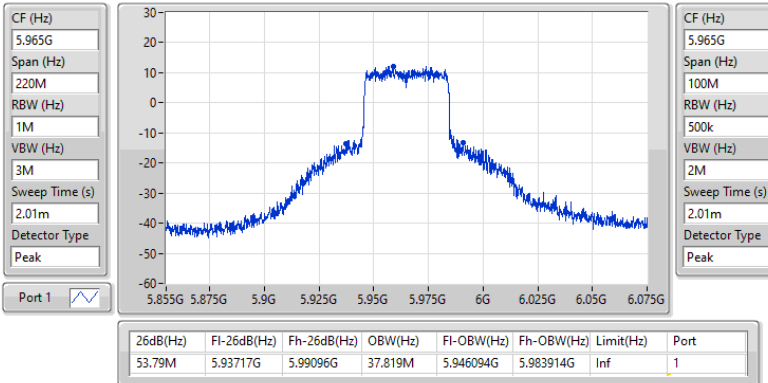

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_1TX
EBW
6855MHz

13/06/2025

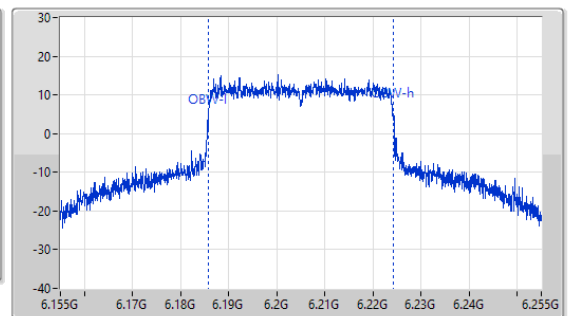
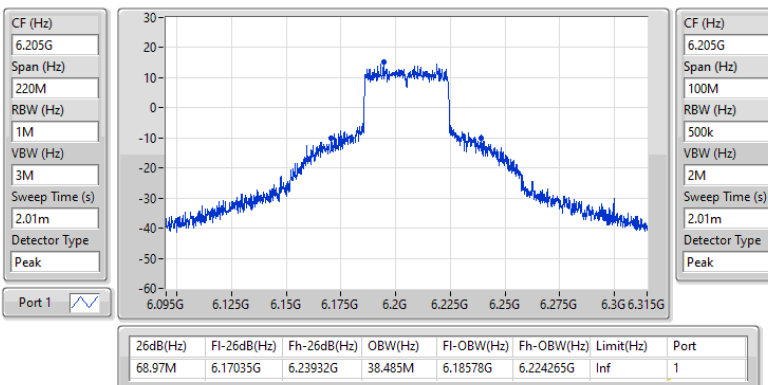


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
5965MHz

13/06/2025

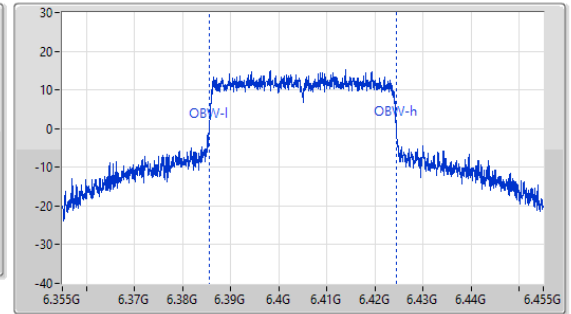
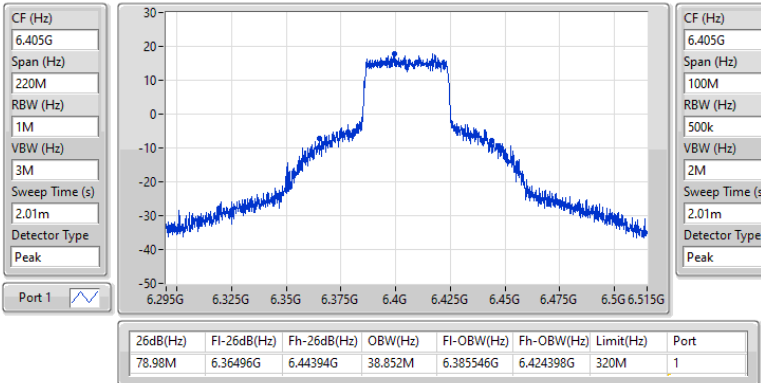

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6205MHz

16/06/2025

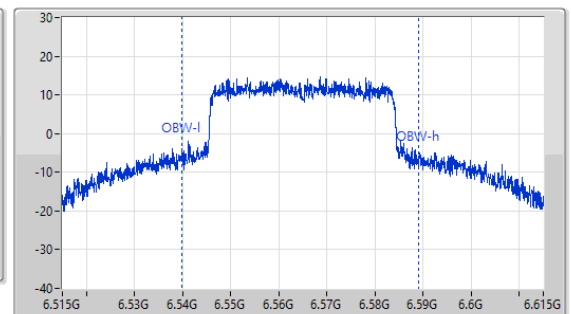
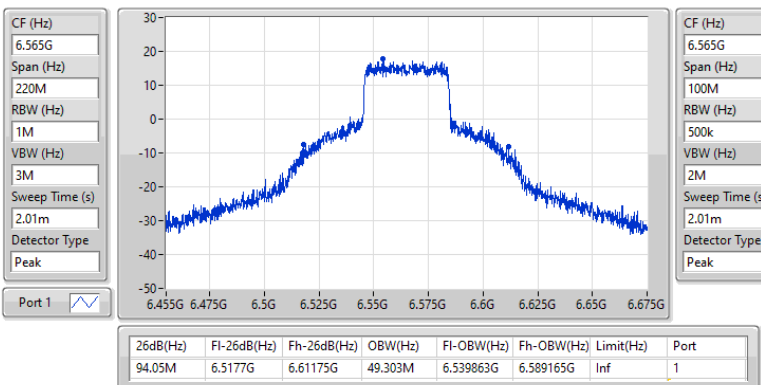


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6405MHz

20/06/2025

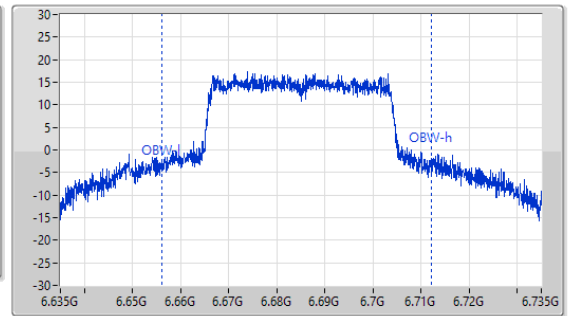
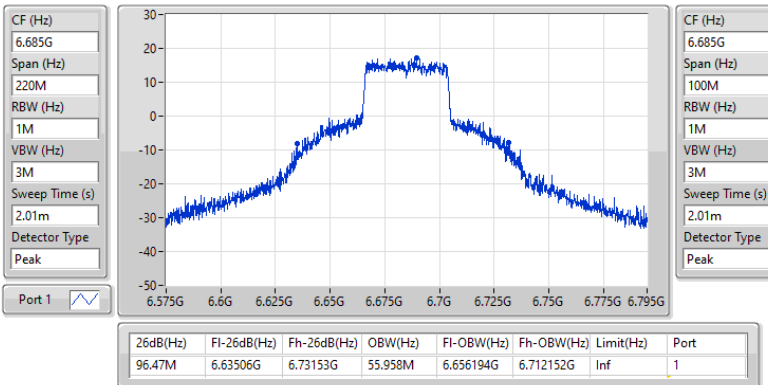

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6565MHz

13/06/2025

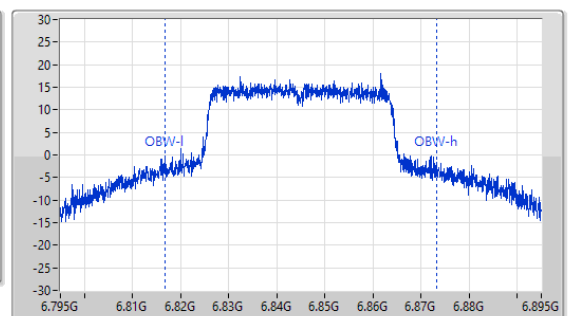
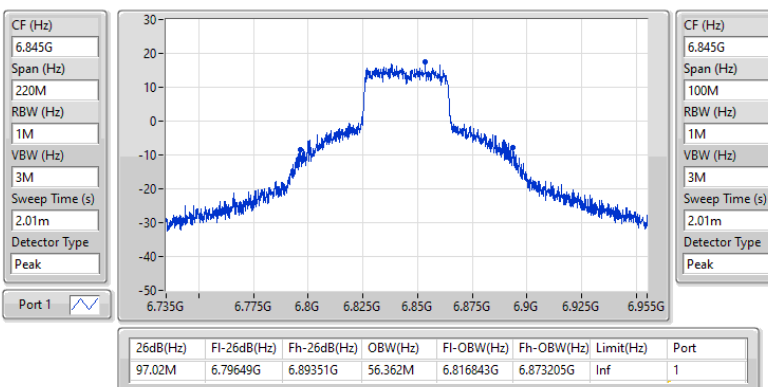


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6685MHz

13/06/2025

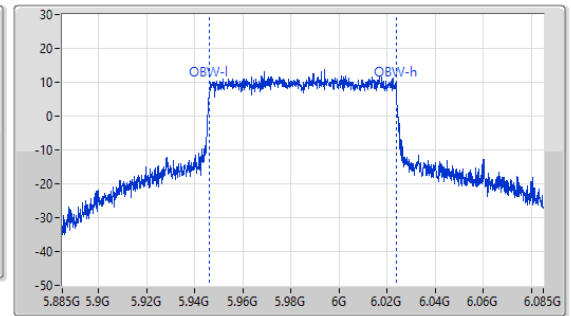
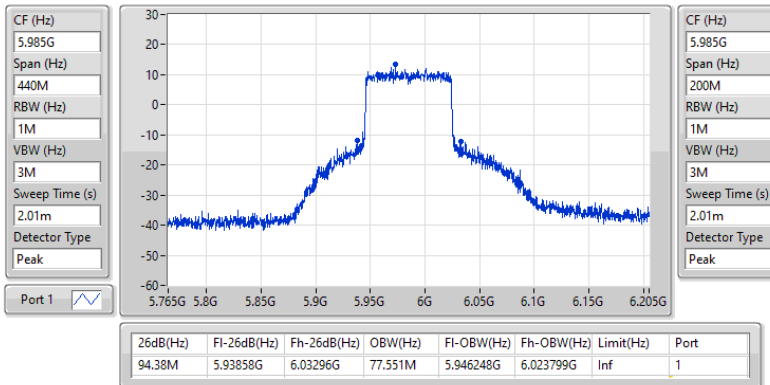

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_1TX
EBW
6845MHz

13/06/2025

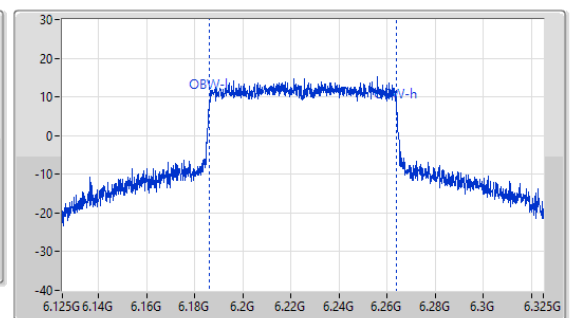
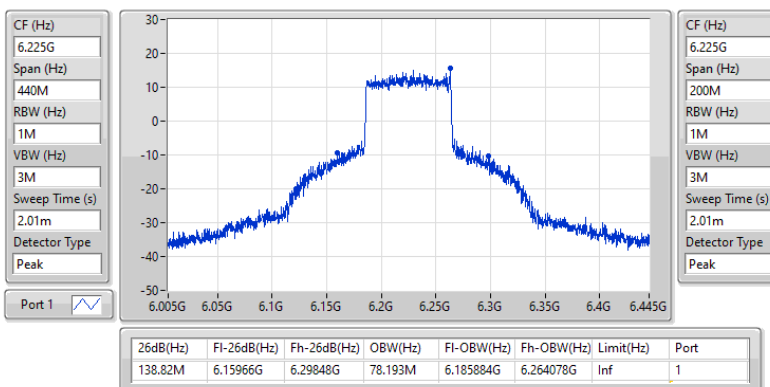


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
5985MHz

13/06/2025

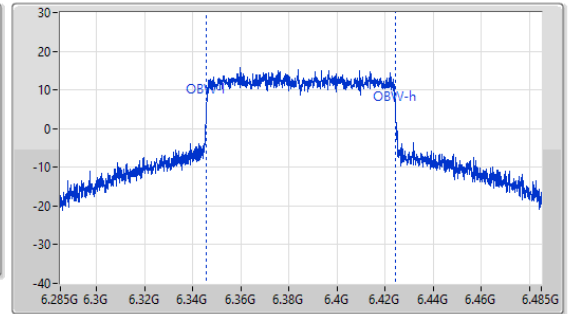
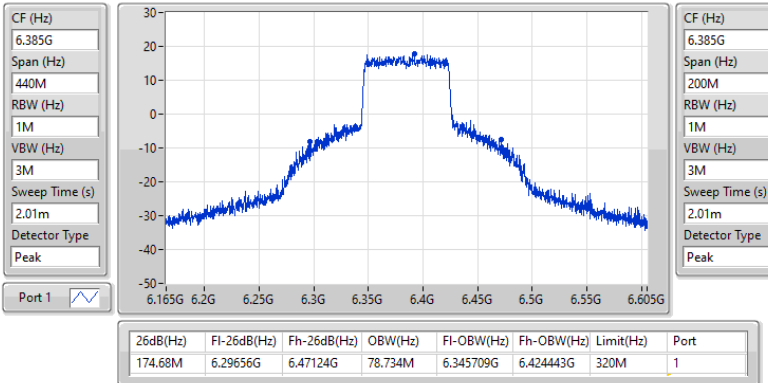

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6225MHz

16/06/2025

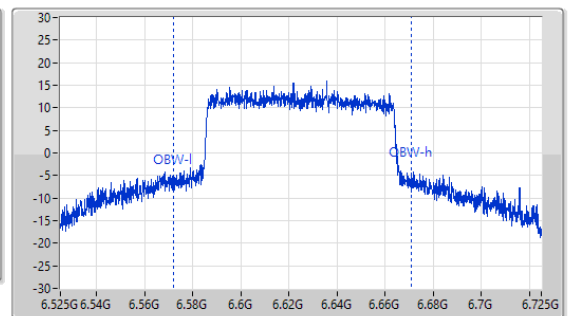
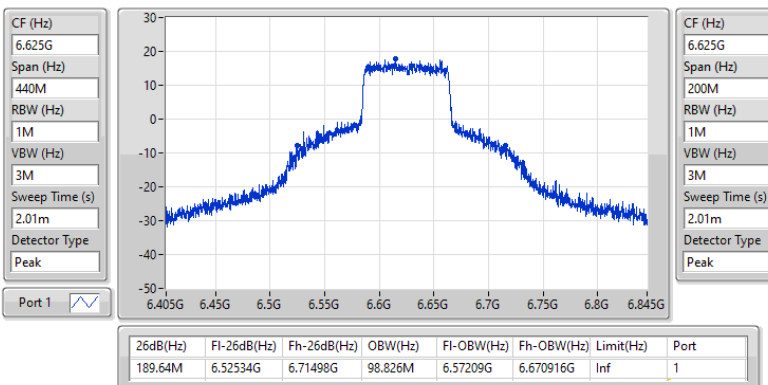


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6385MHz

20/06/2025

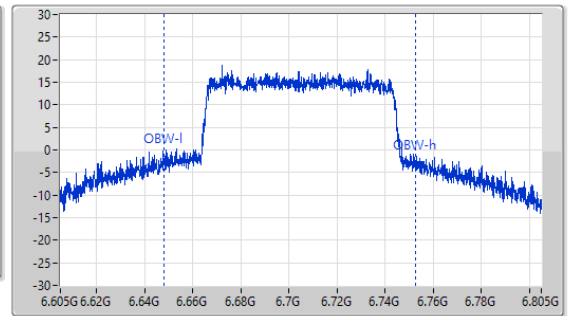
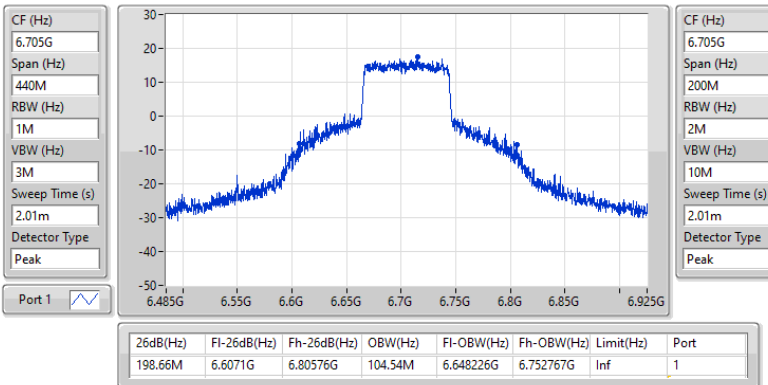

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6625MHz

13/06/2025

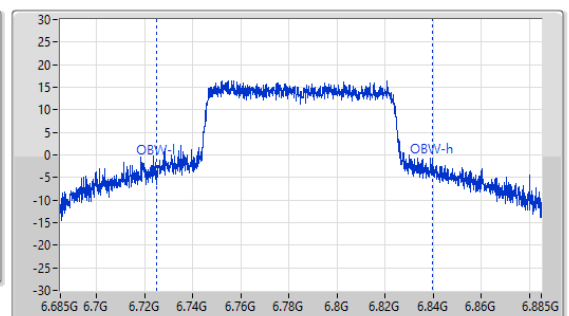
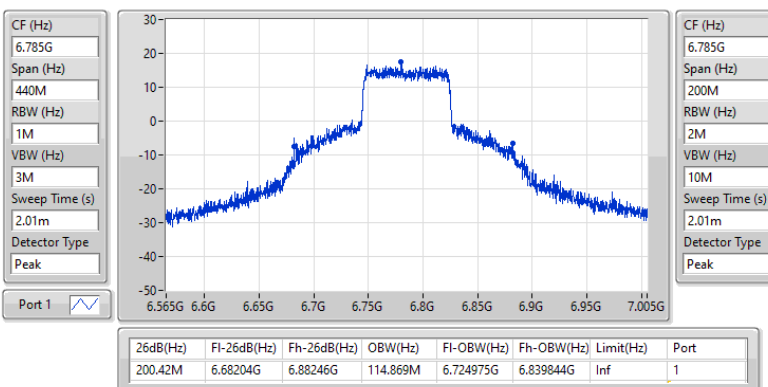


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_1TX
EBW
6705MHz

13/06/2025


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

13/06/2025

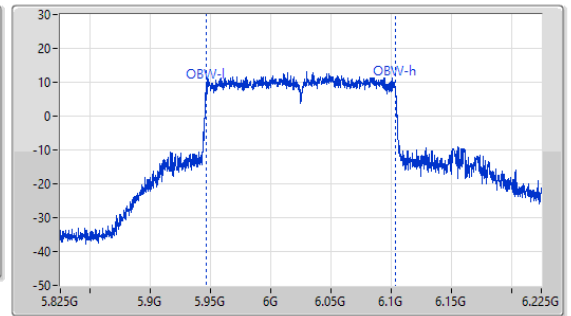
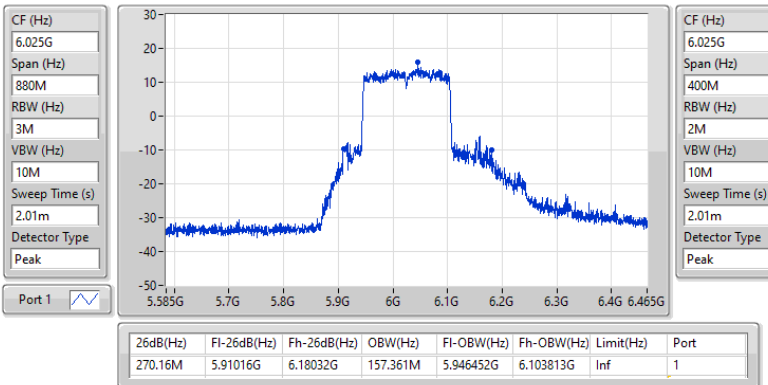


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

6025MHz

13/06/2025

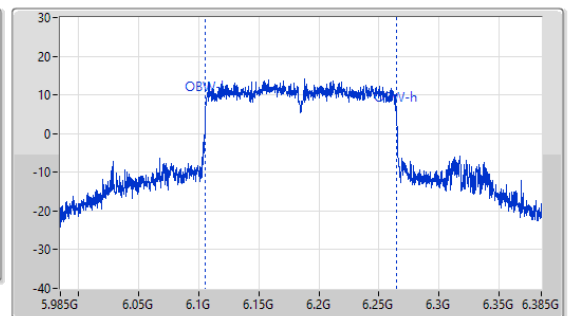
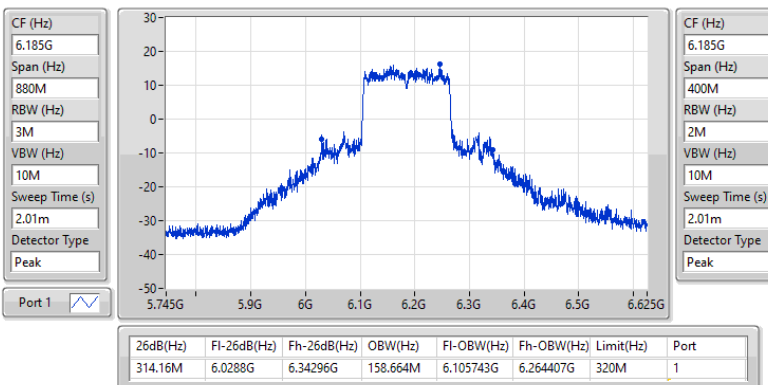


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX

EBW

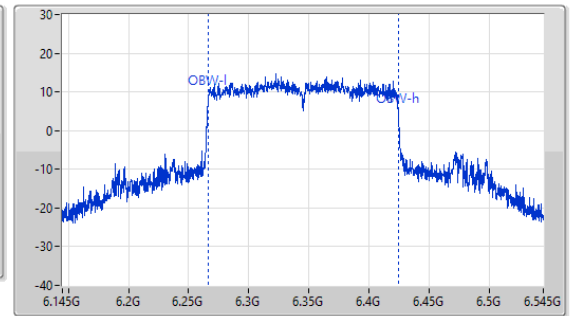
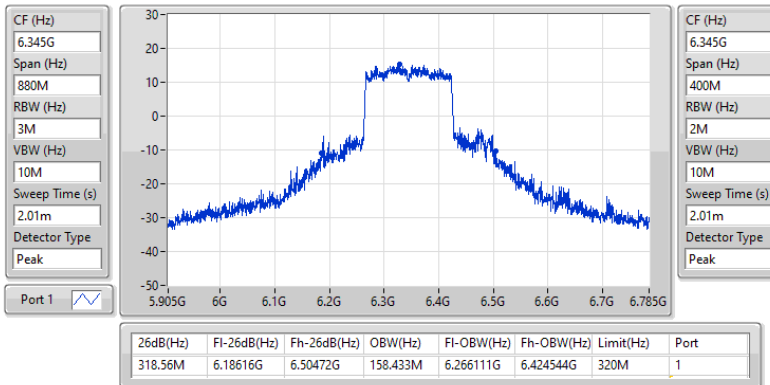
6185MHz

16/06/2025

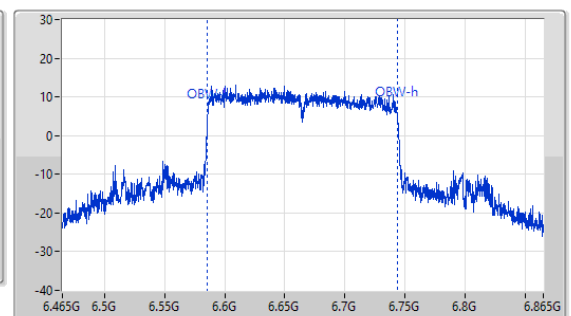
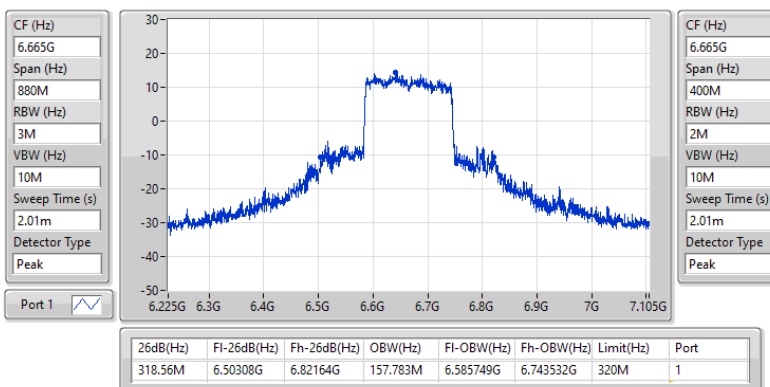


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
6345MHz

16/06/2025

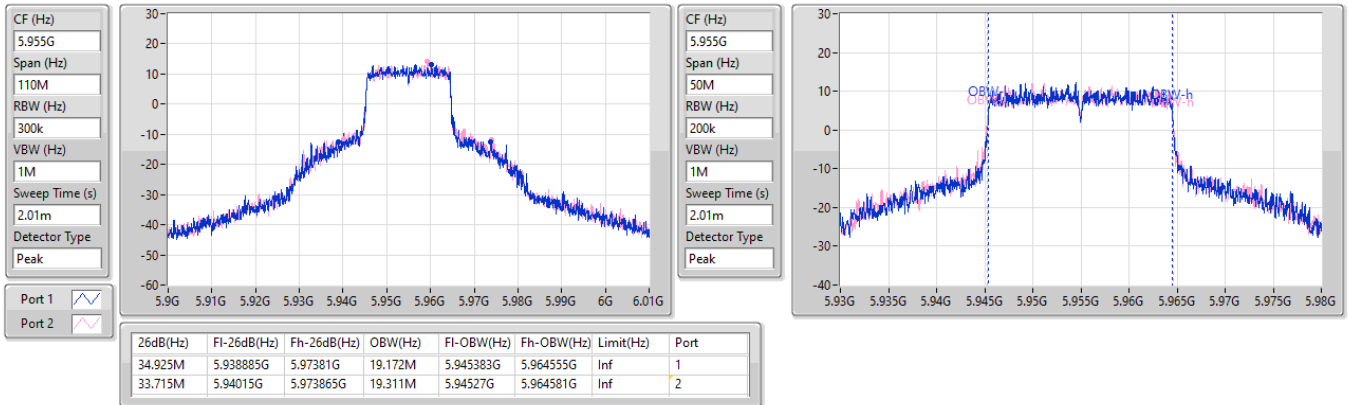

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_1TX
EBW
6665MHz

16/06/2025

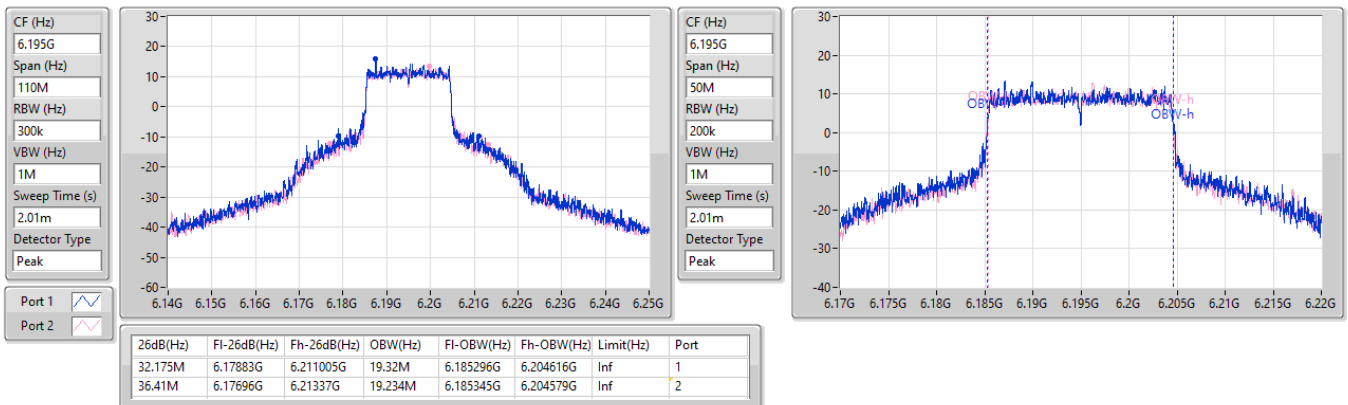


5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
5955MHz

13/06/2025

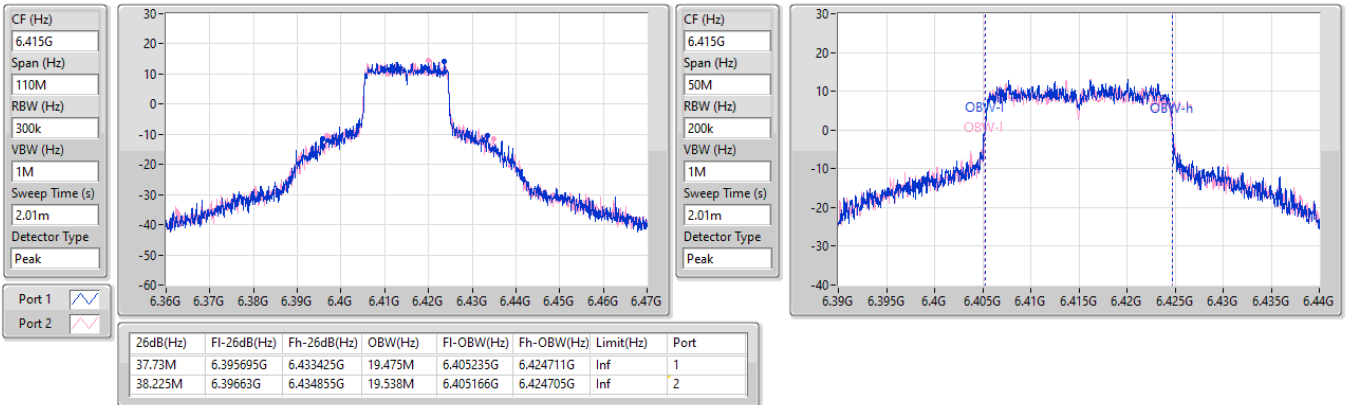

5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6195MHz

13/06/2025

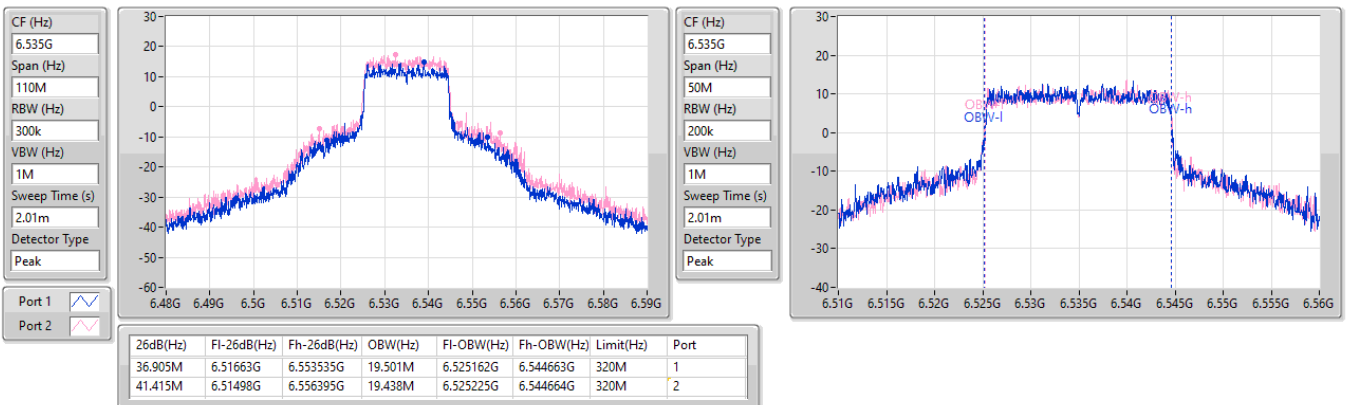


5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6415MHz

13/06/2025

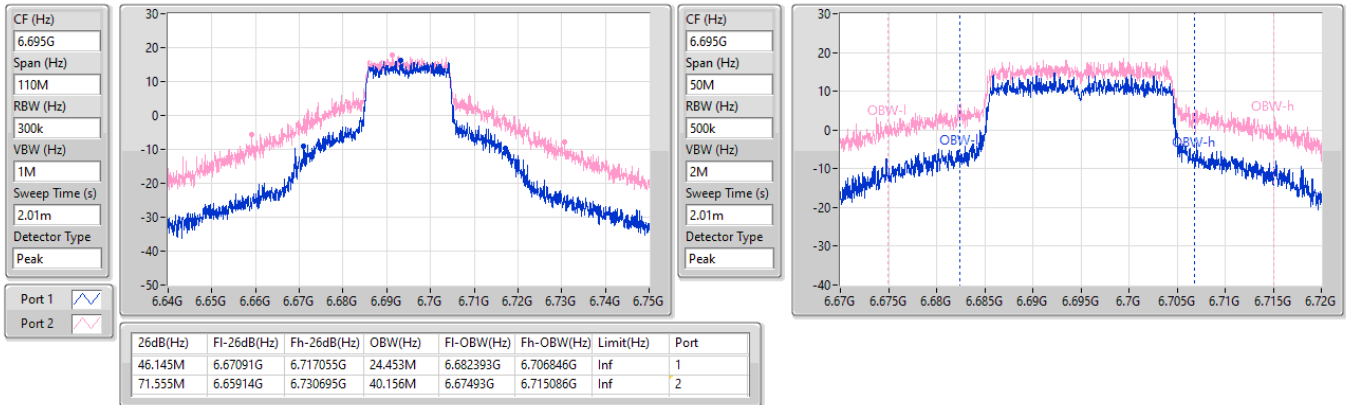

6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6535MHz

20/06/2025

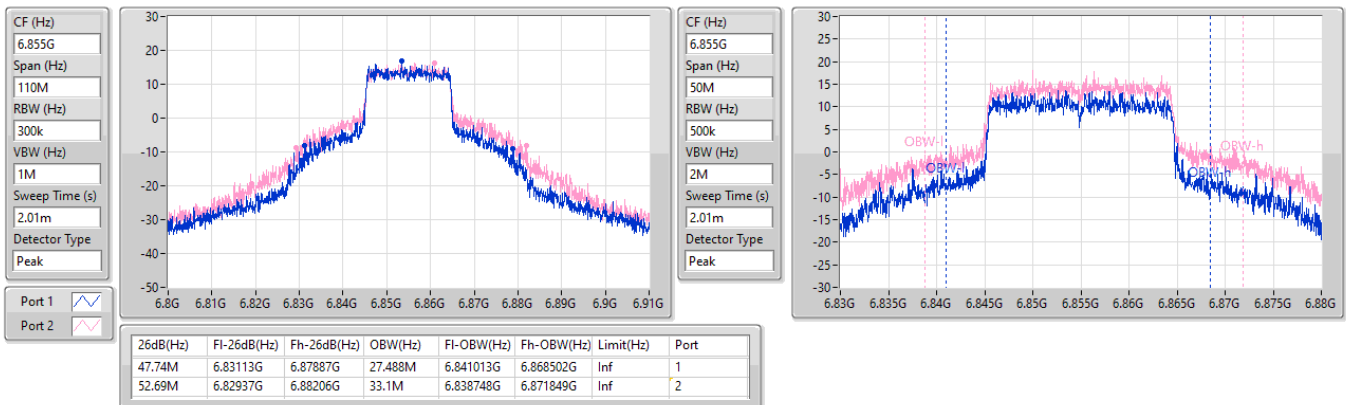


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6695MHz

13/06/2025

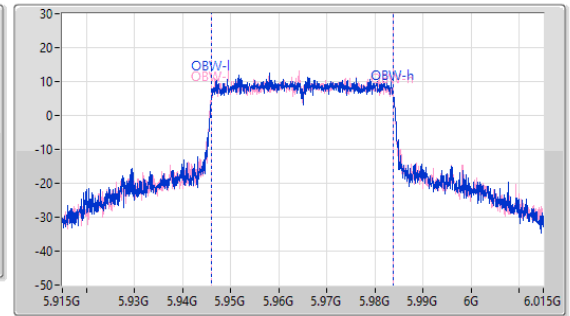
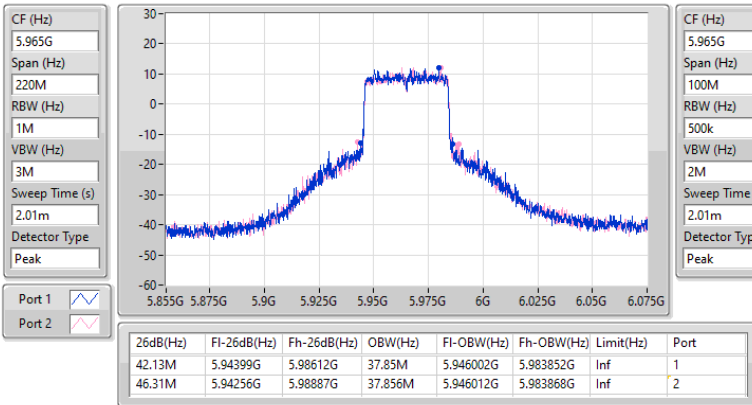

6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6855MHz

13/06/2025

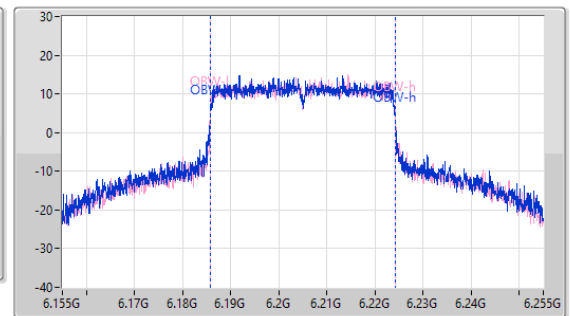
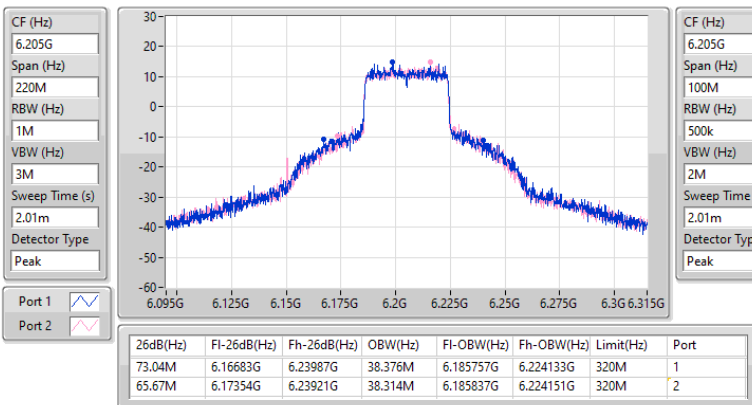


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
5965MHz

13/06/2025


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

16/06/2025

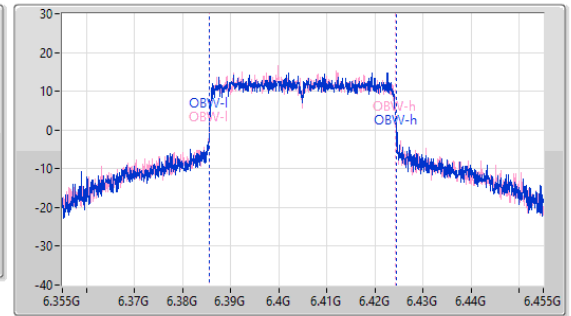
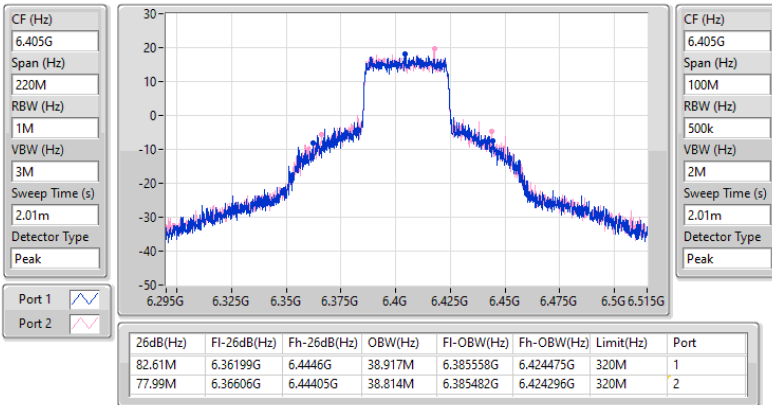


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

6405MHz

20/06/2025

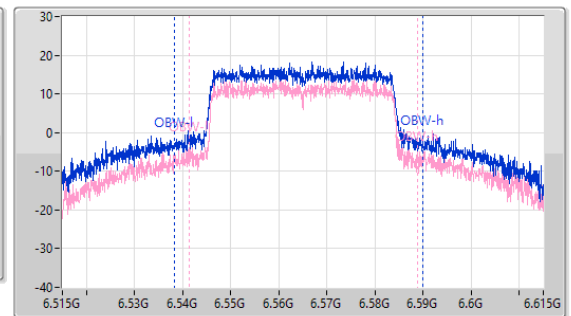
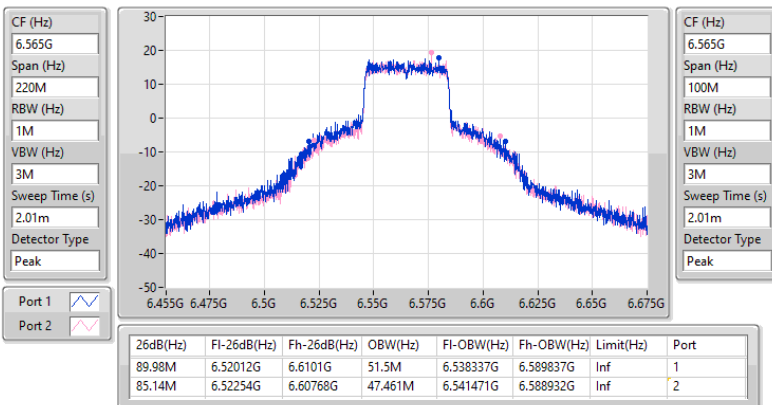


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

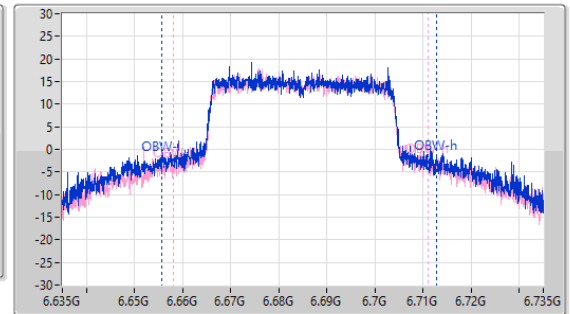
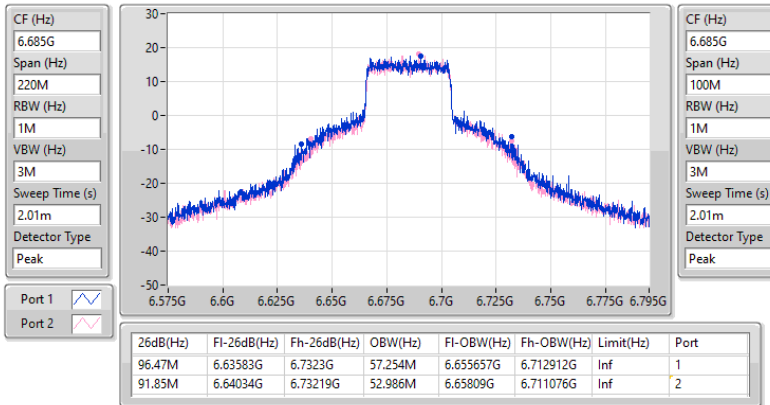
6565MHz

13/06/2025

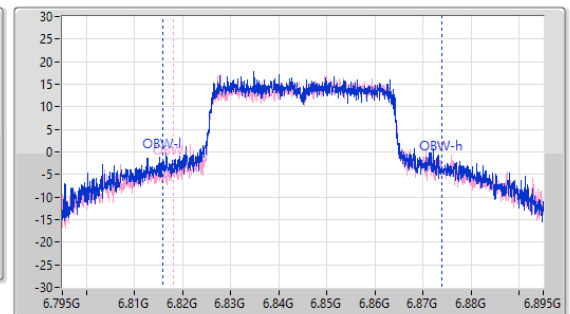
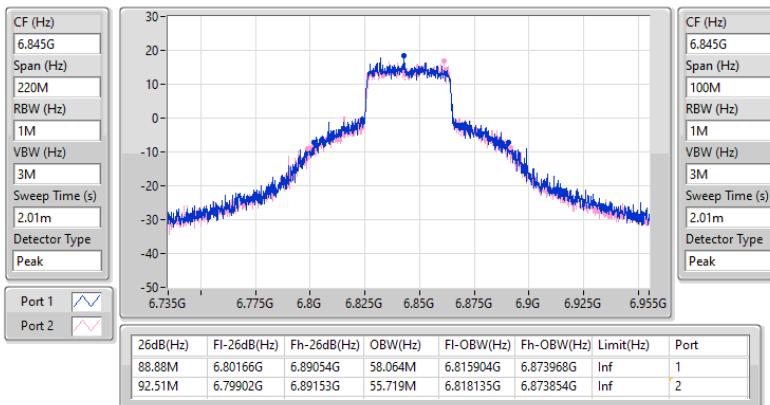


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6685MHz

13/06/2025

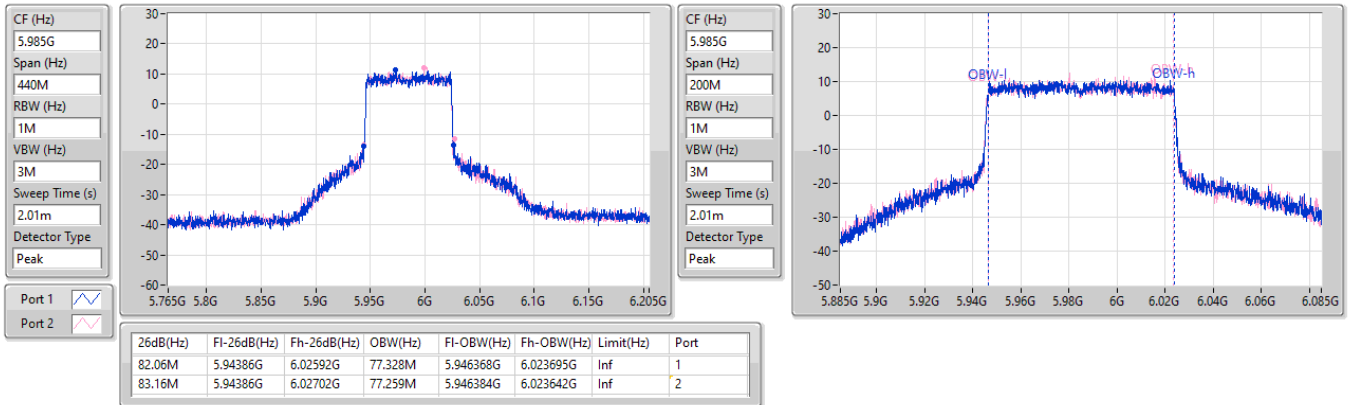

6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6845MHz

13/06/2025

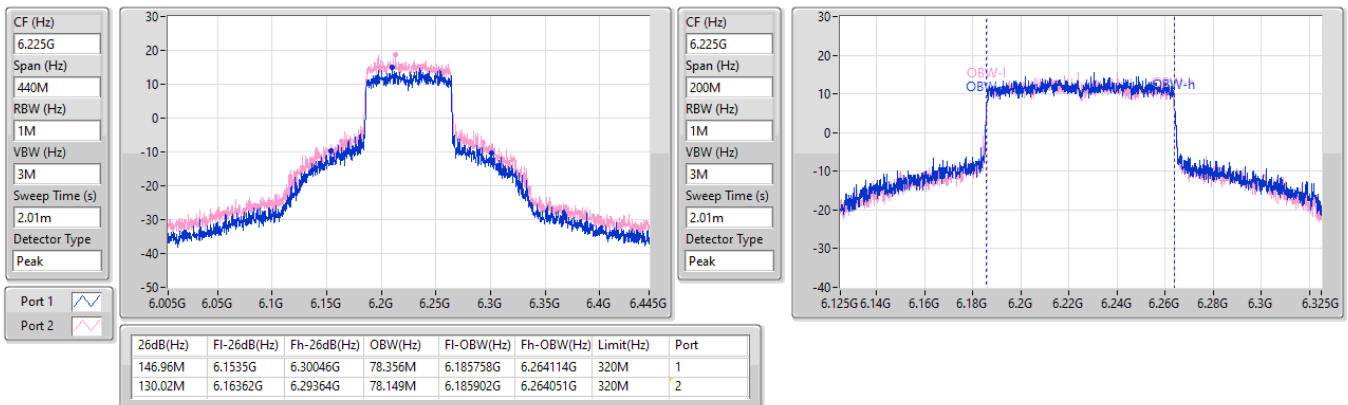


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
5985MHz

13/06/2025


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

16/06/2025

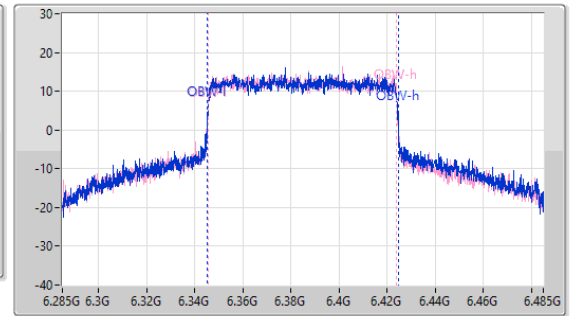
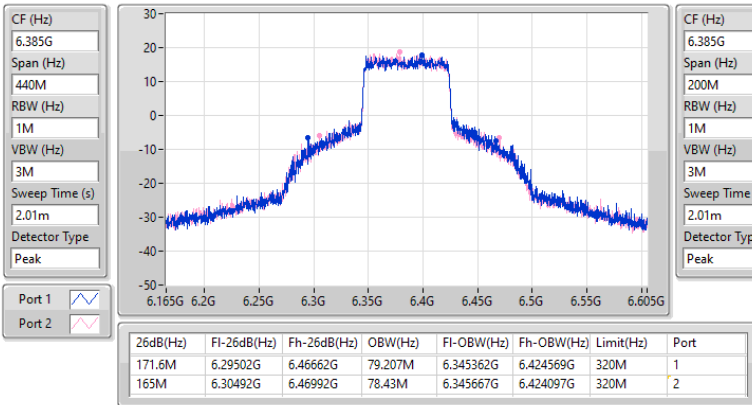


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

6385MHz

20/06/2025

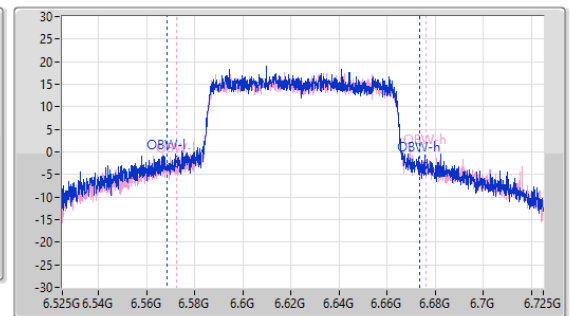
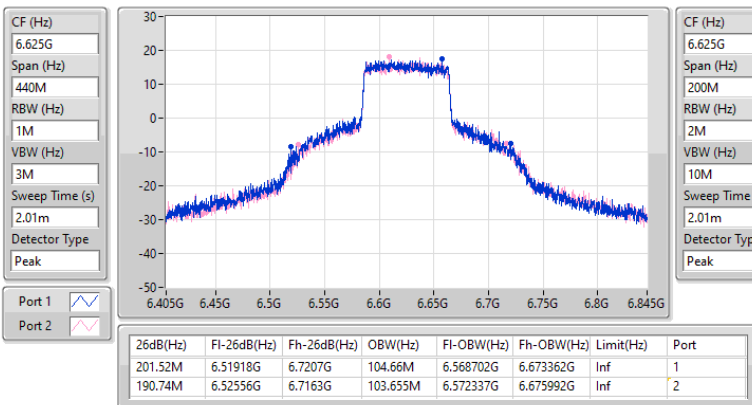


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX

EBW

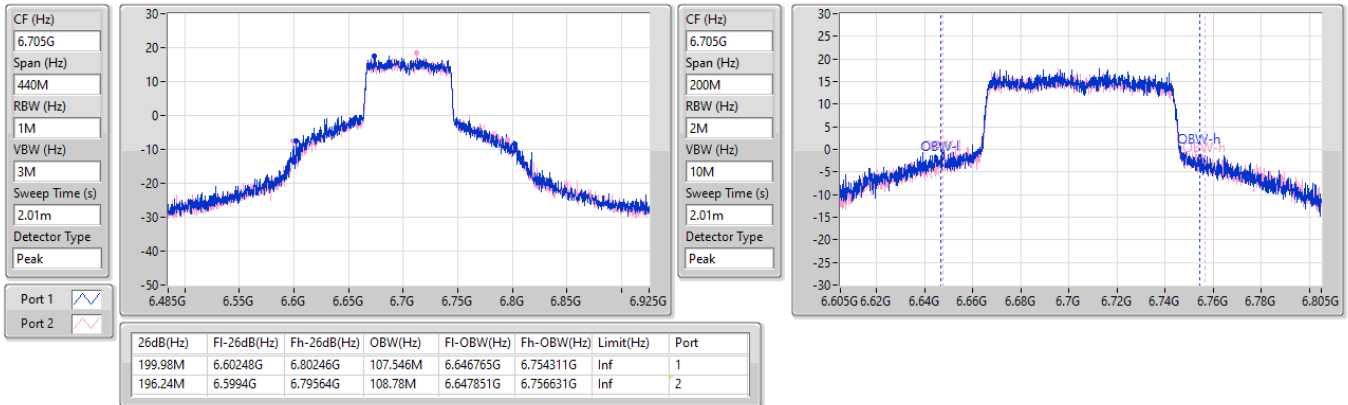
6625MHz

13/06/2025

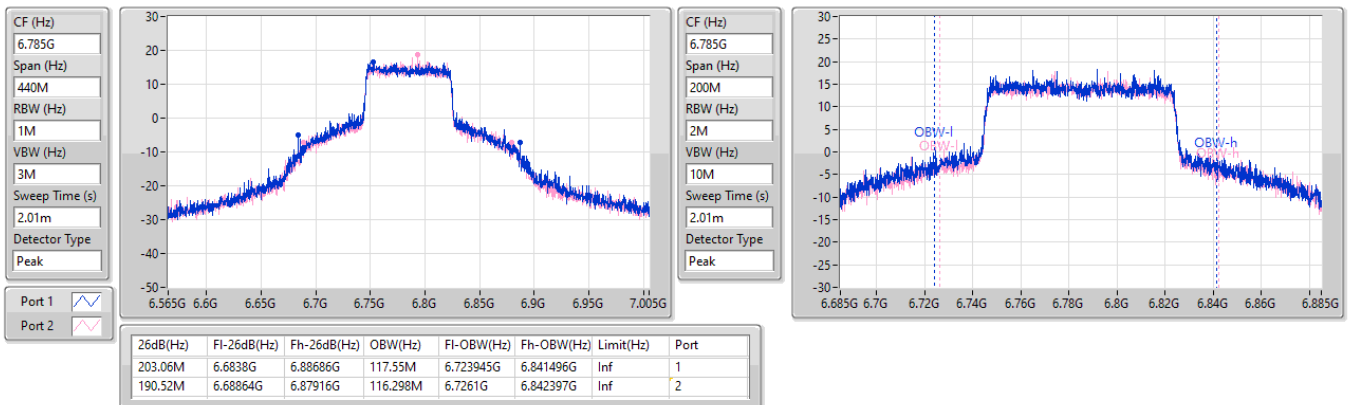


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6705MHz

13/06/2025

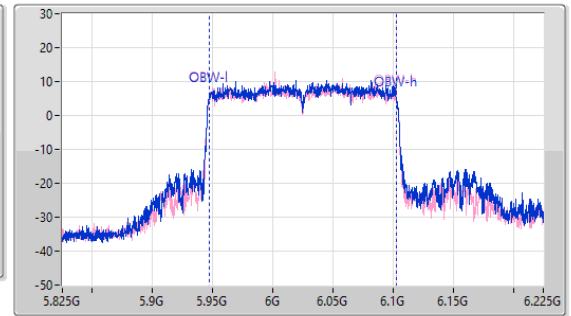
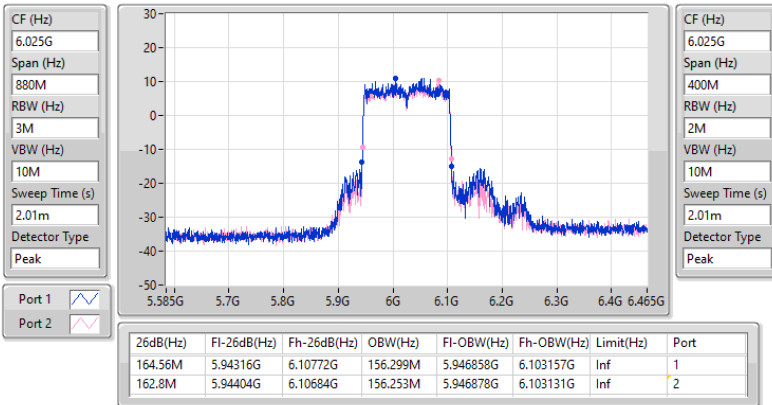

6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6785MHz

13/06/2025

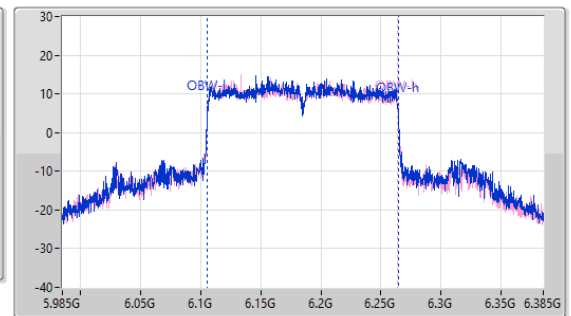
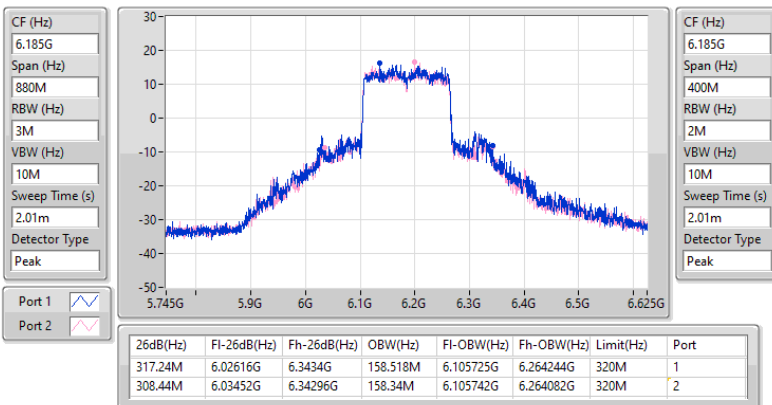


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6025MHz

13/06/2025

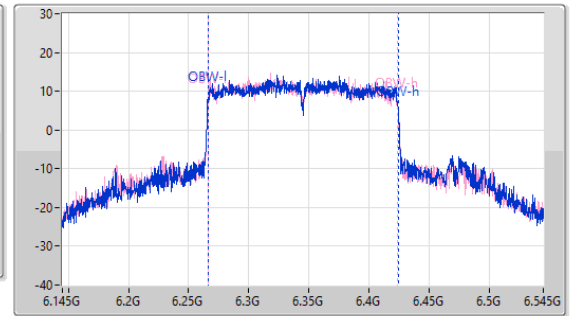
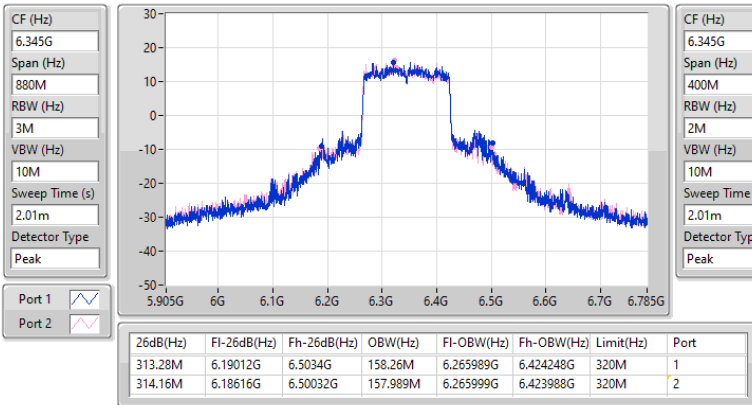

5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6185MHz

16/06/2025

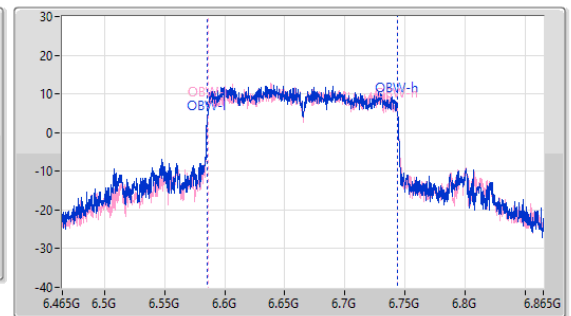
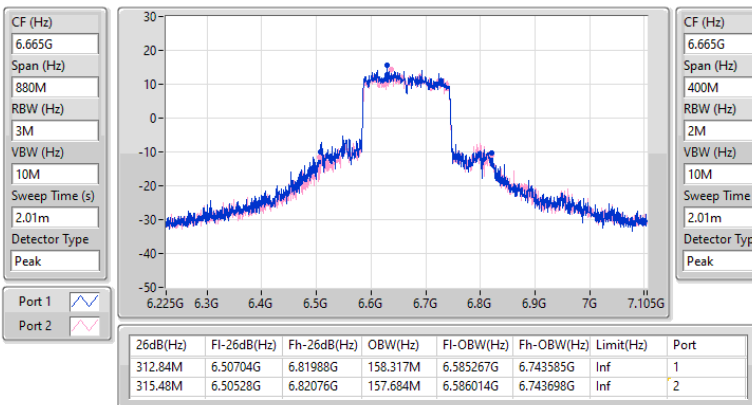


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6345MHz

16/06/2025


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

13/06/2025

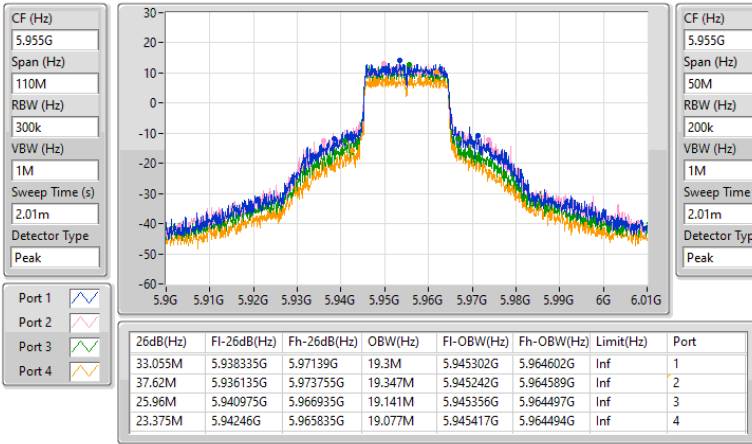


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

5955MHz

13/06/2025

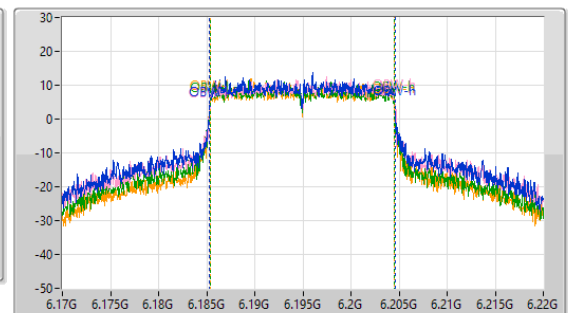
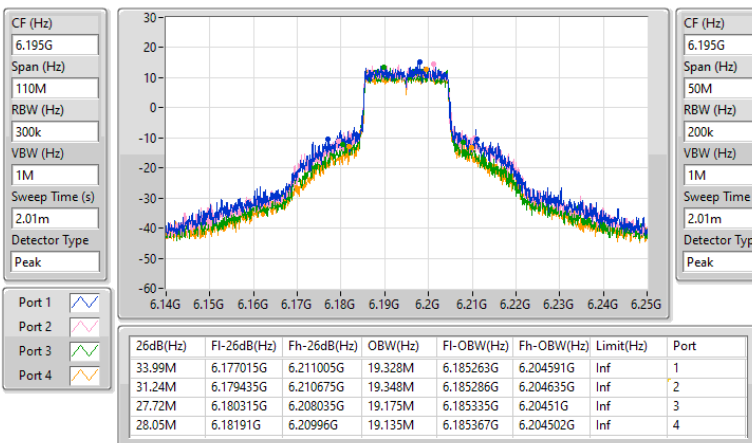


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6195MHz

13/06/2025

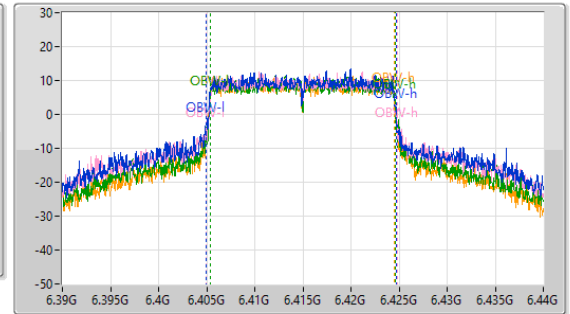
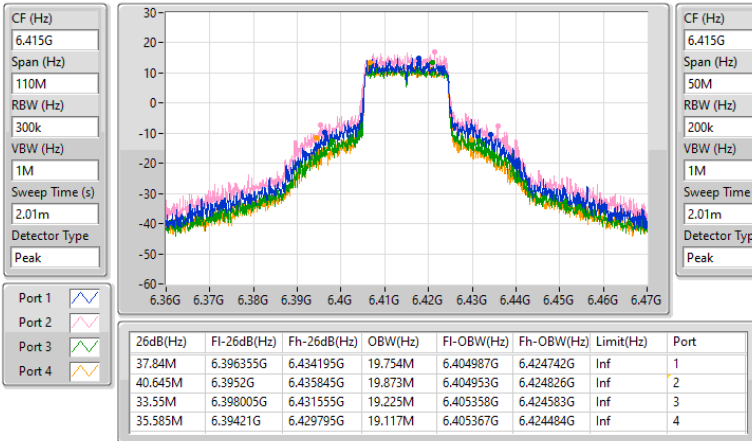


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6415MHz

13/06/2025

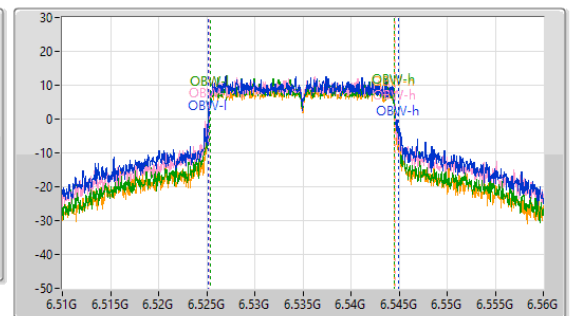
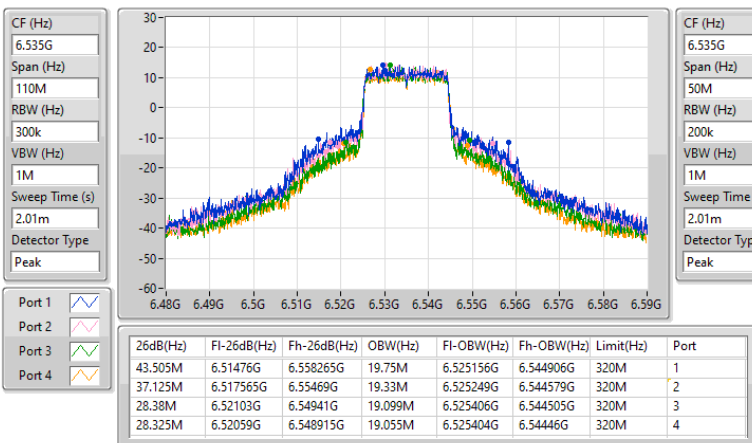


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6535MHz

20/06/2025

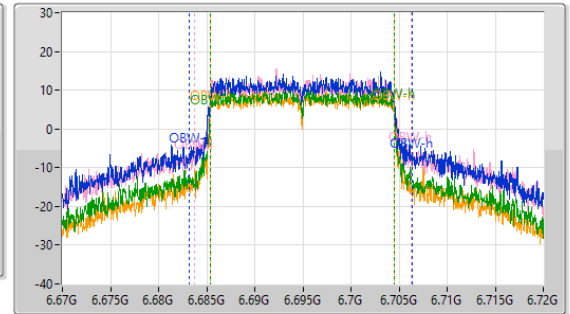
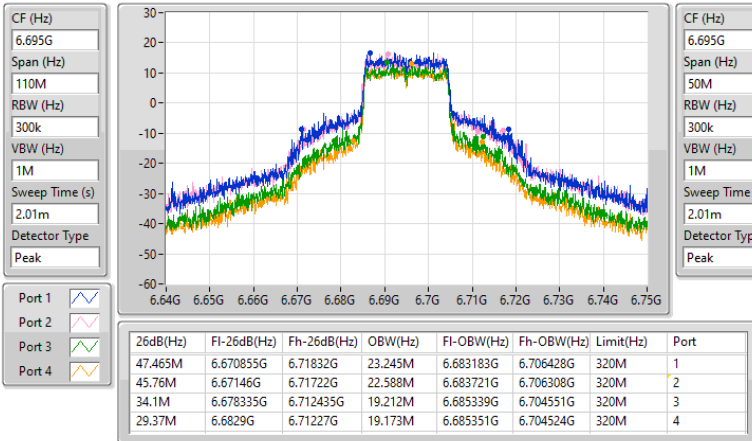


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6695MHz

19/06/2025

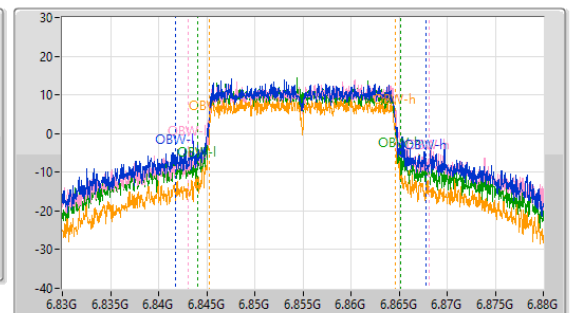
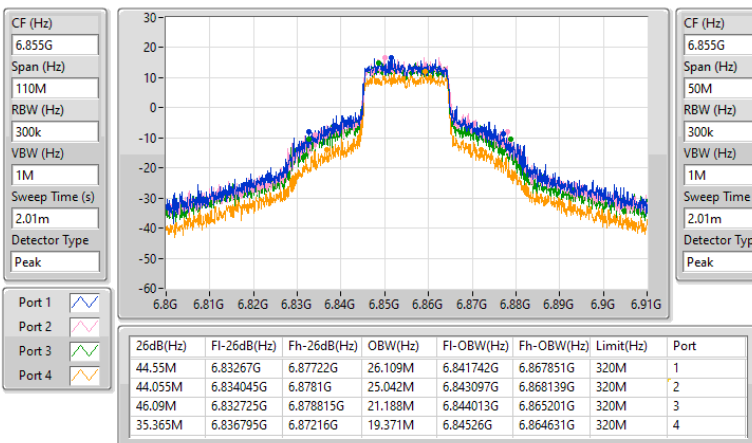


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

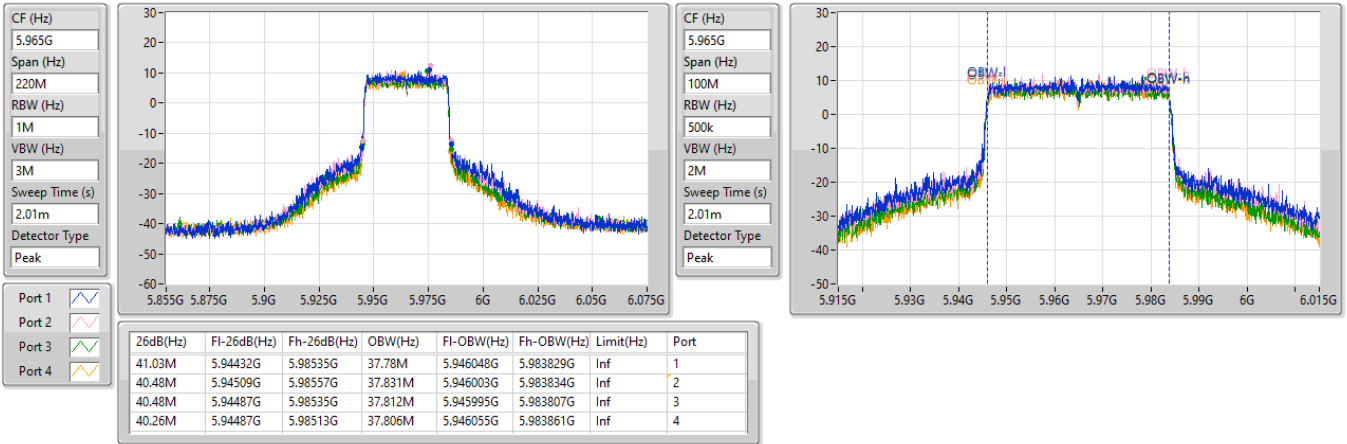
6855MHz

19/06/2025

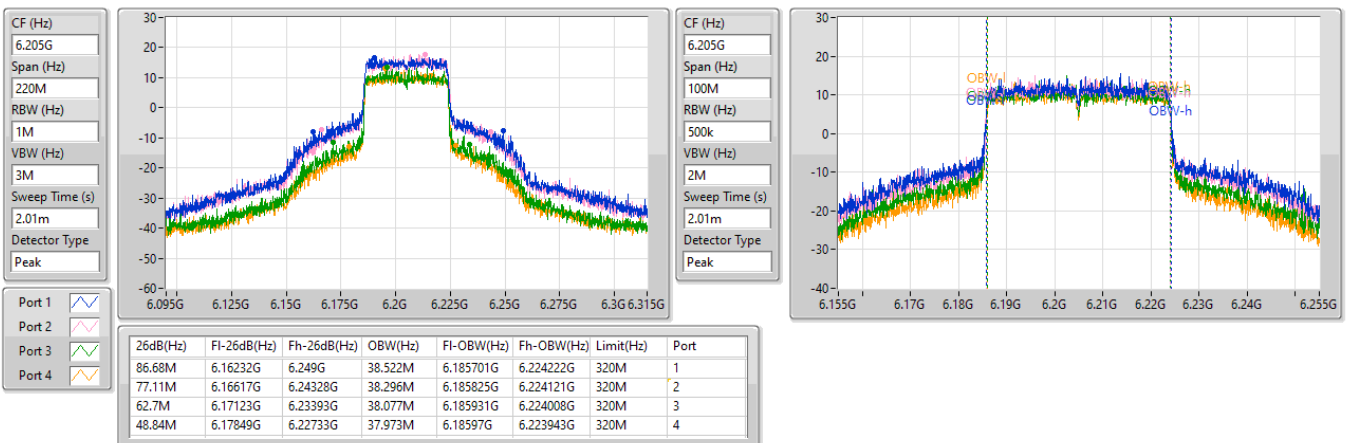


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5965MHz

13/06/2025


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

16/06/2025

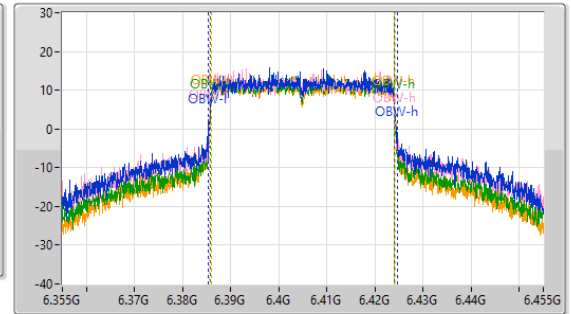
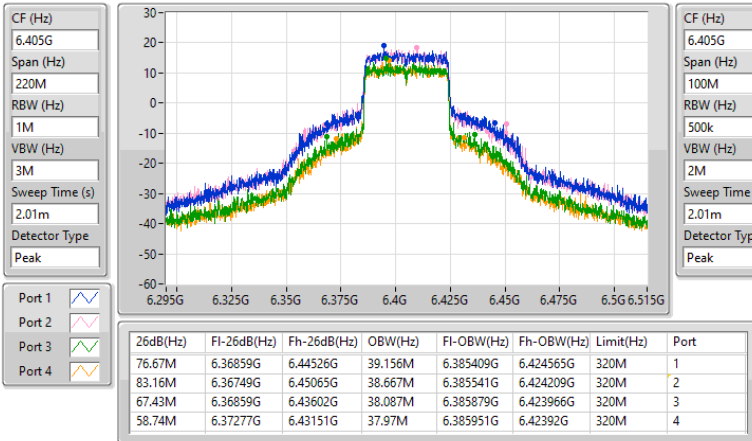


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6405MHz

20/06/2025

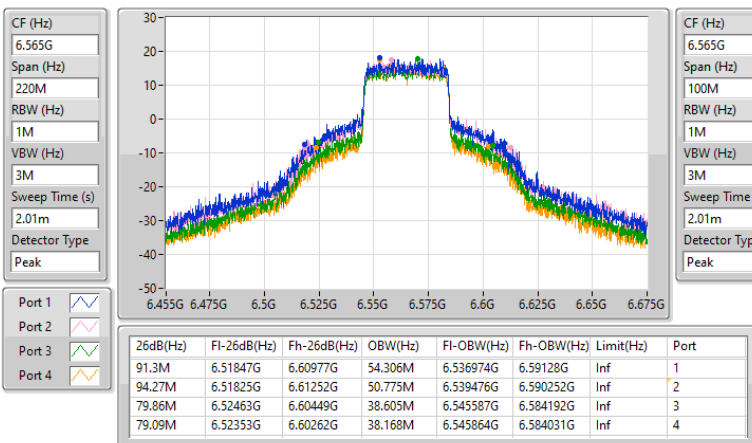


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6565MHz

13/06/2025

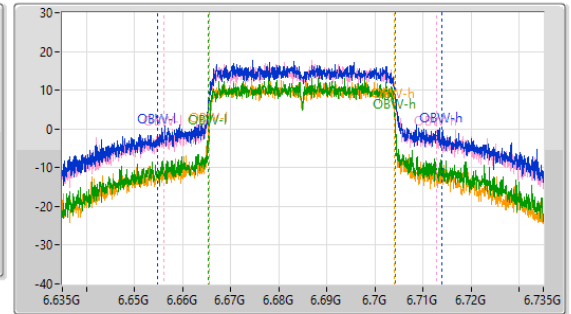
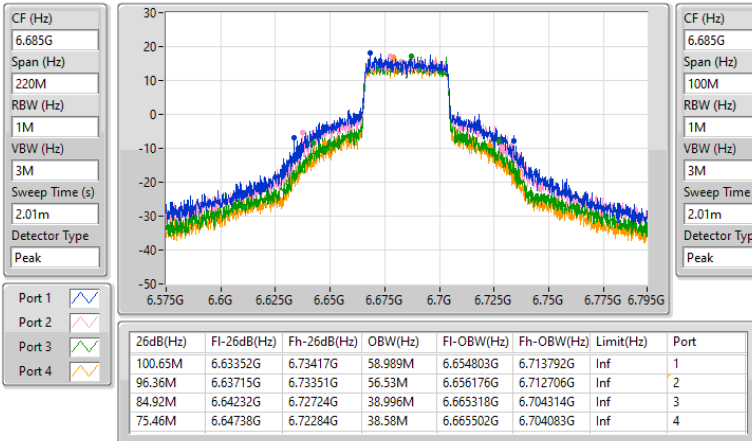


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6685MHz

13/06/2025

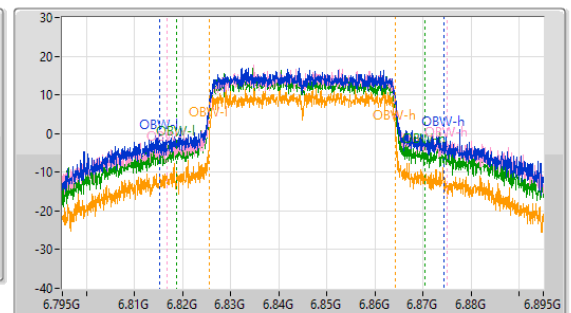
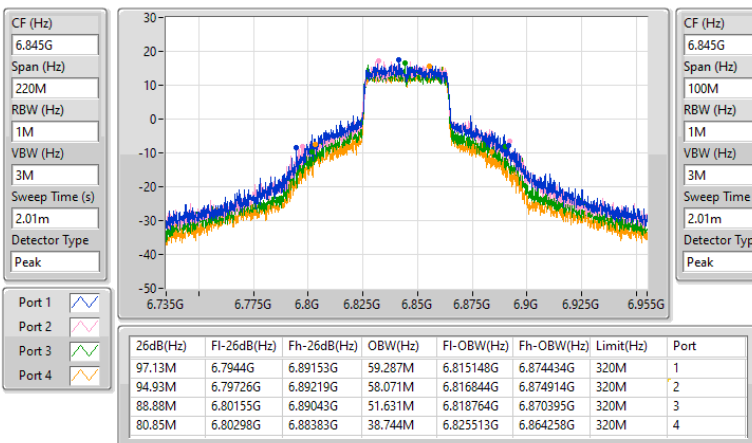


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6845MHz

16/06/2025

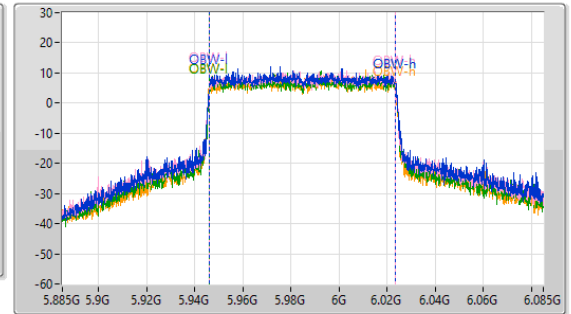
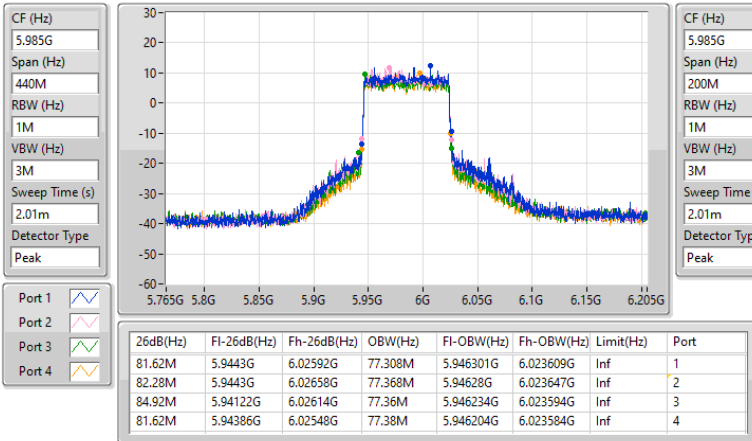


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5985MHz

13/06/2025

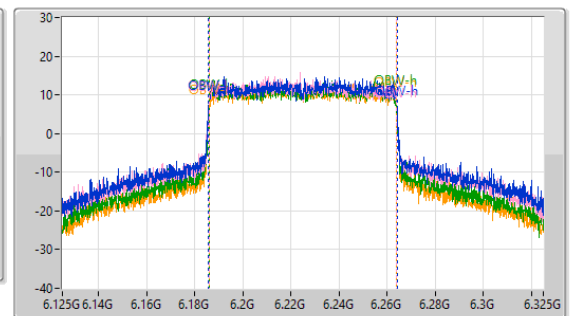
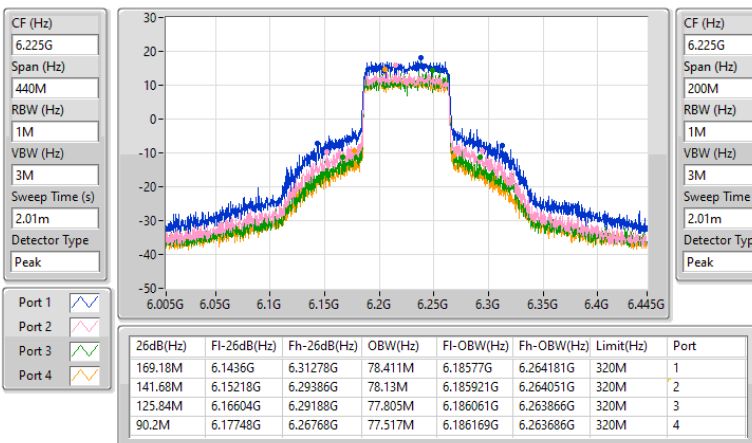


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

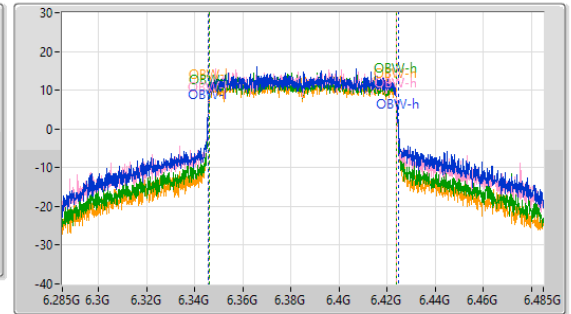
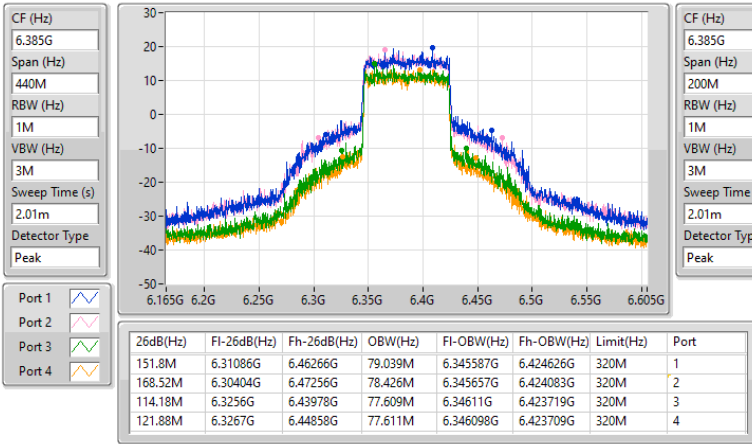
6225MHz

16/06/2025

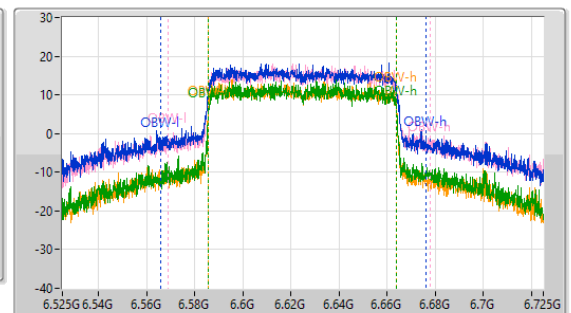
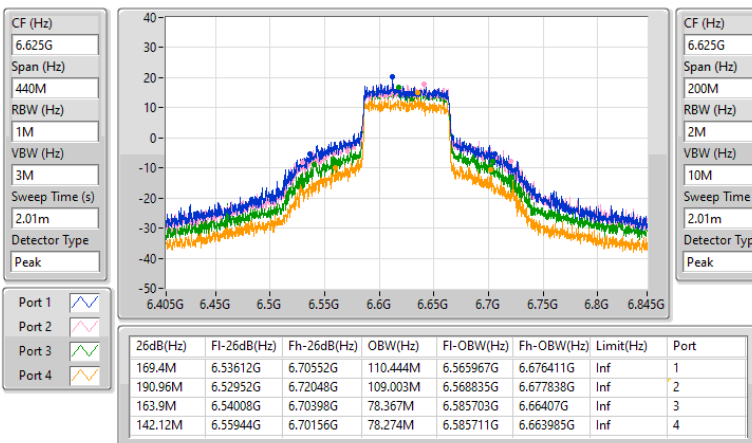


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6385MHz

20/06/2025


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

13/06/2025

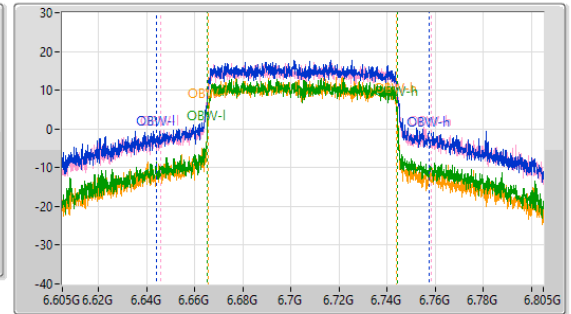
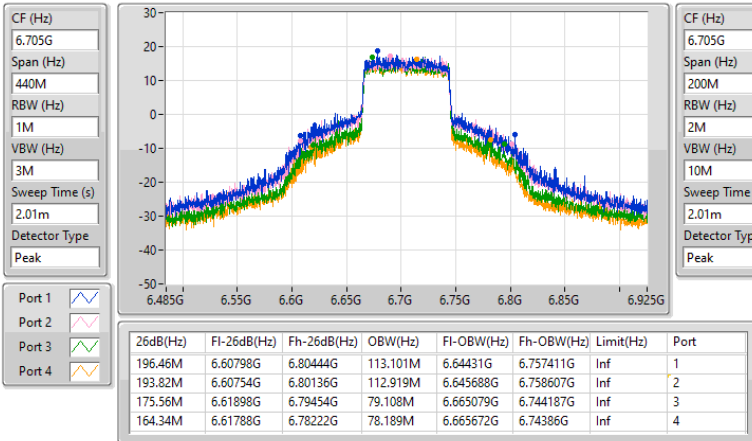


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6705MHz

13/06/2025

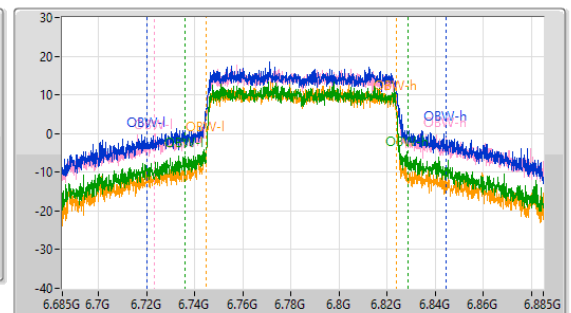
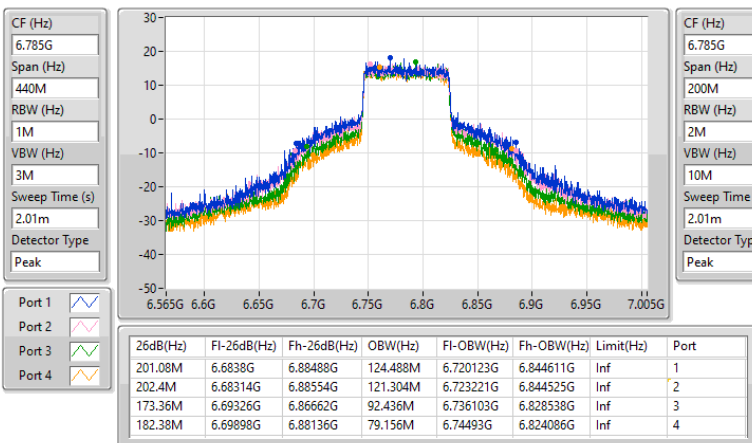


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6785MHz

13/06/2025

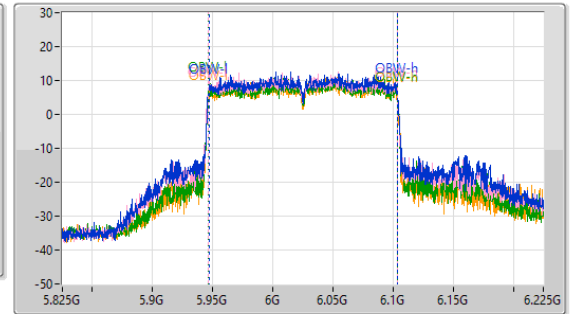
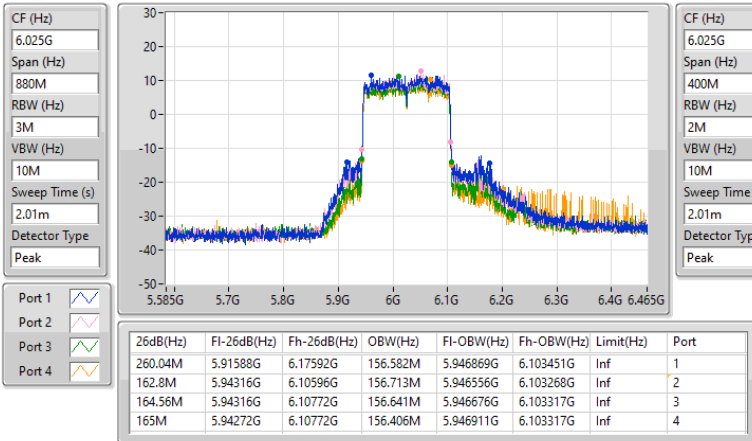


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6025MHz

13/06/2025

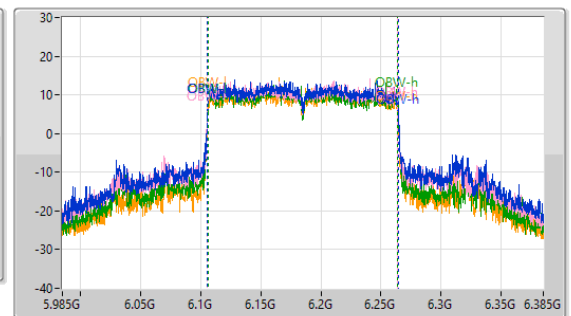
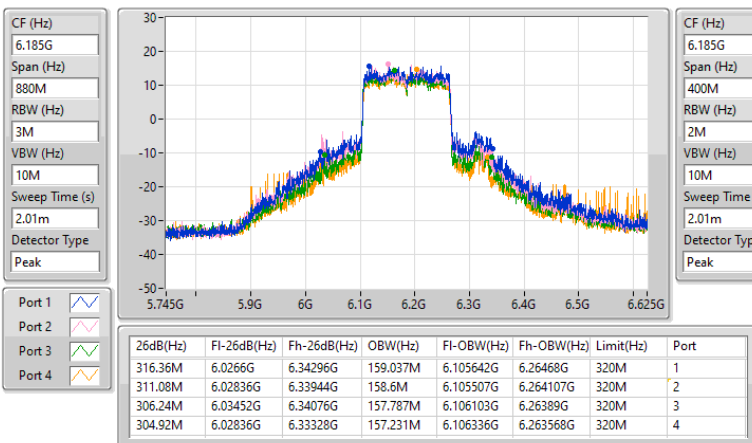


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

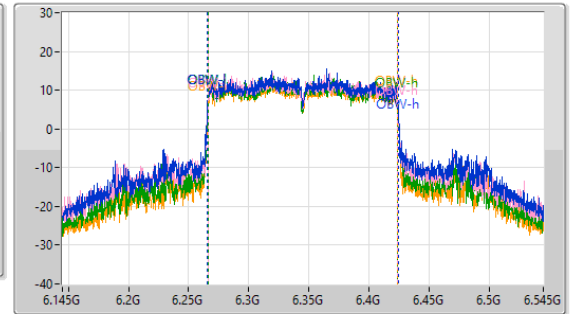
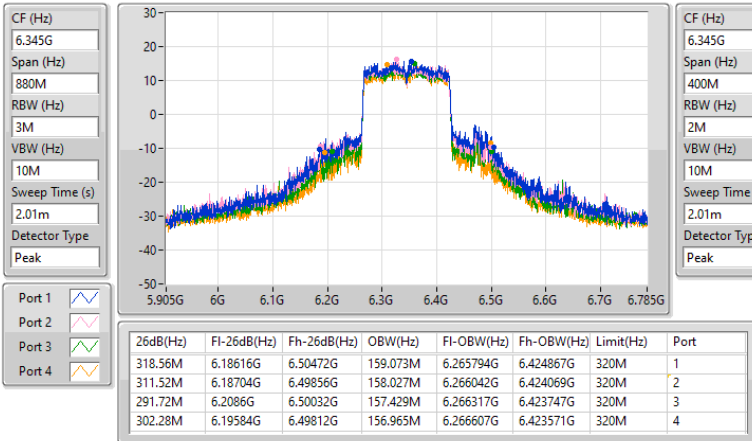
6185MHz

16/06/2025

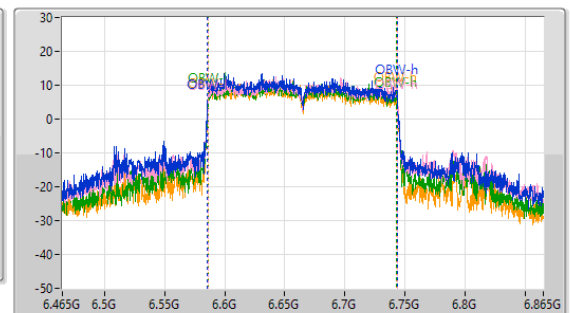
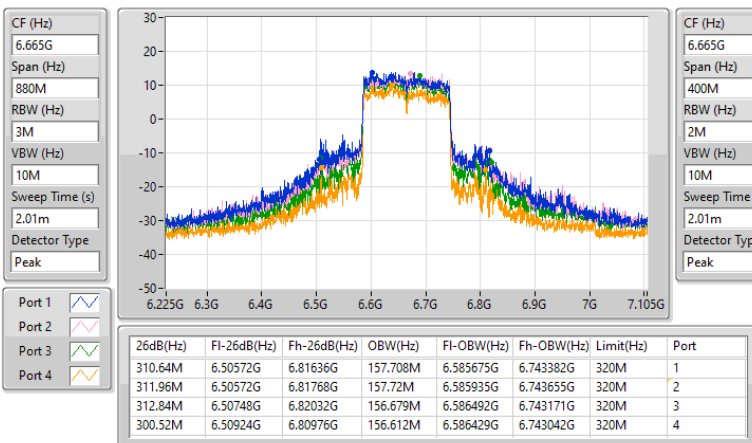


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6345MHz

16/06/2025


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

16/06/2025

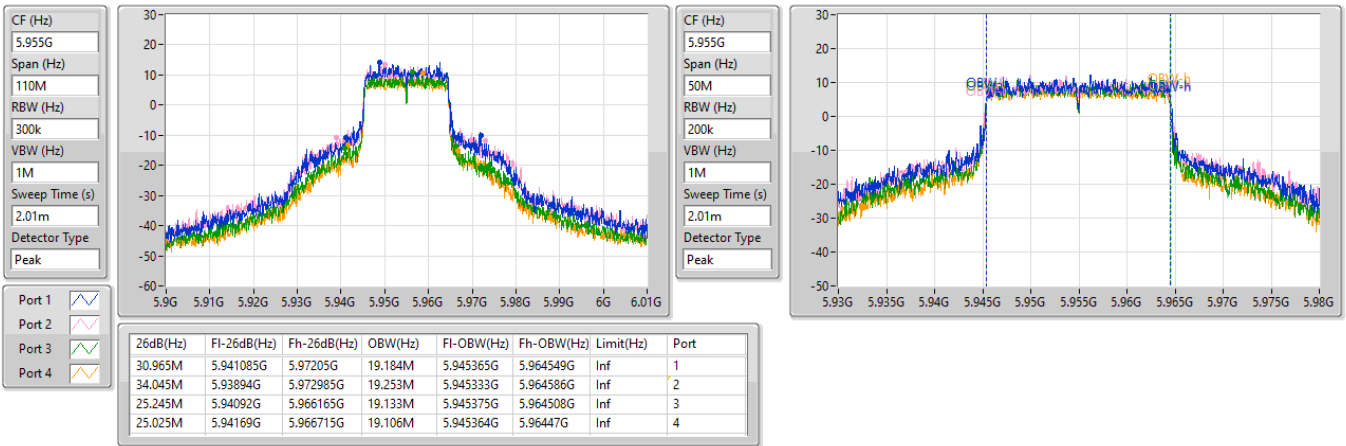


5.925-6.425GHz_802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

5955MHz

13/06/2025

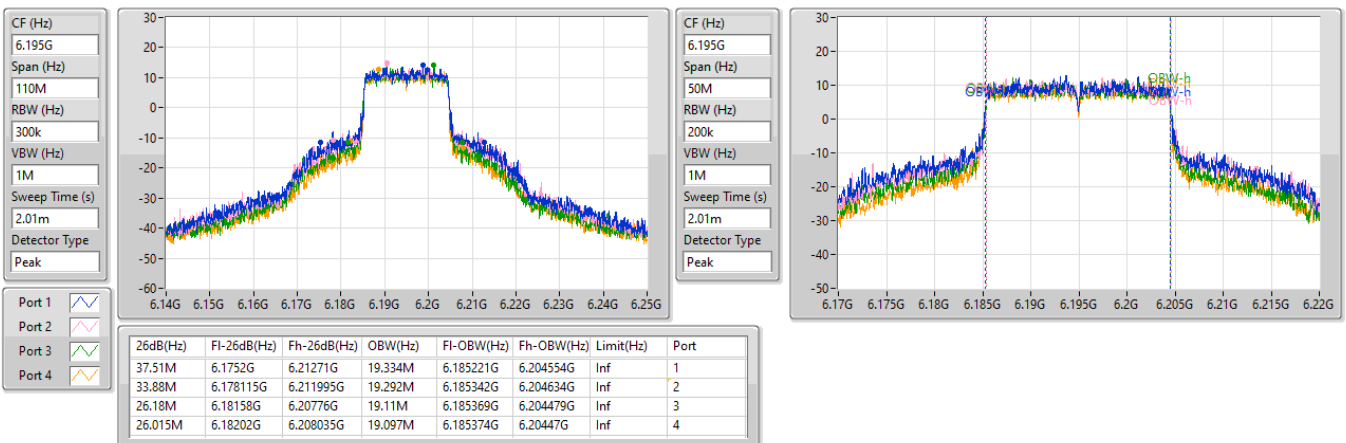


5.925-6.425GHz_802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

6195MHz

13/06/2025

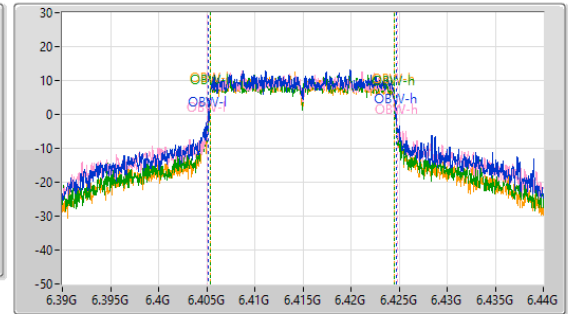
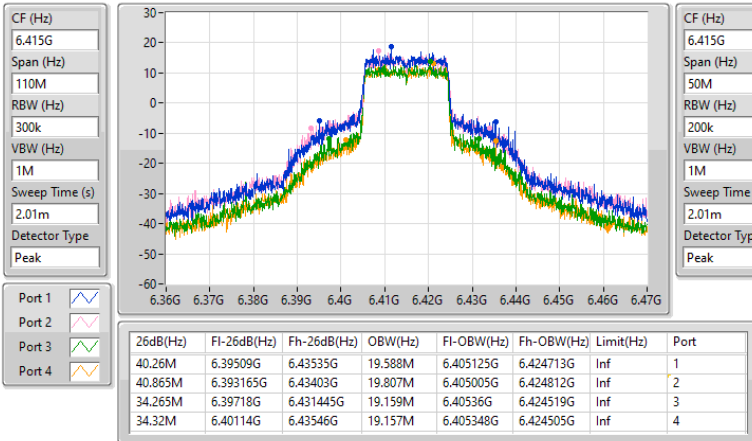


5.925-6.425GHz_802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

6415MHz

13/06/2025

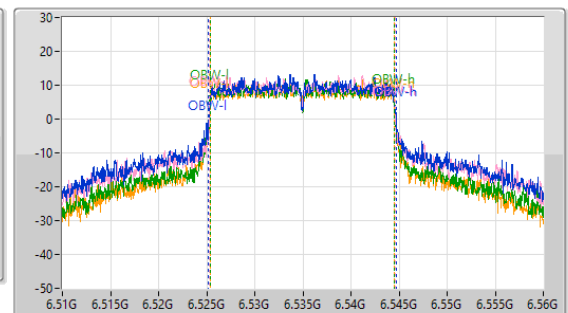
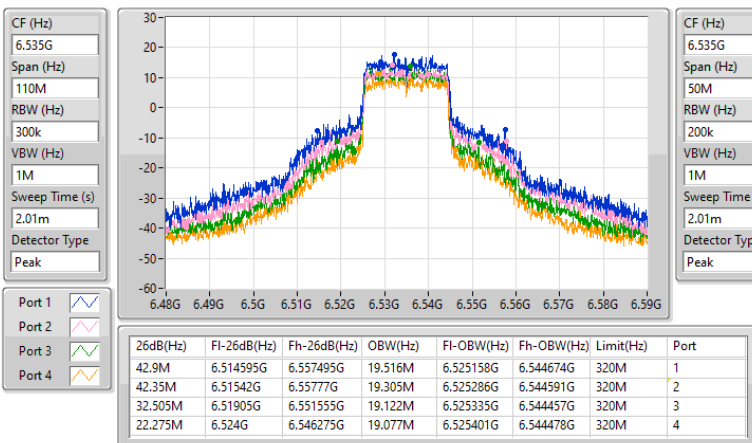


6.525-6.875GHz_802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

6535MHz

20/06/2025

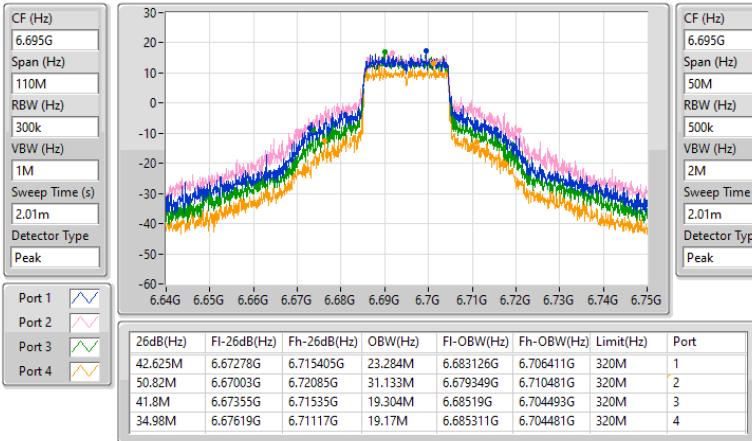


6.525-6.875GHz_802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

6695MHz

19/06/2025

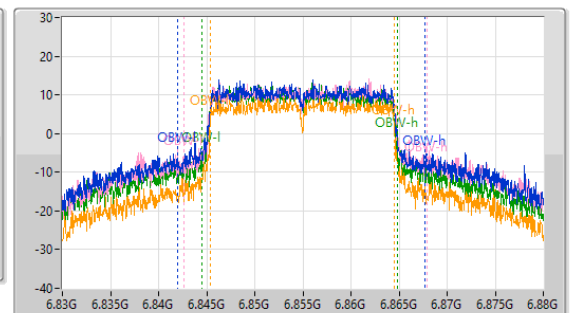
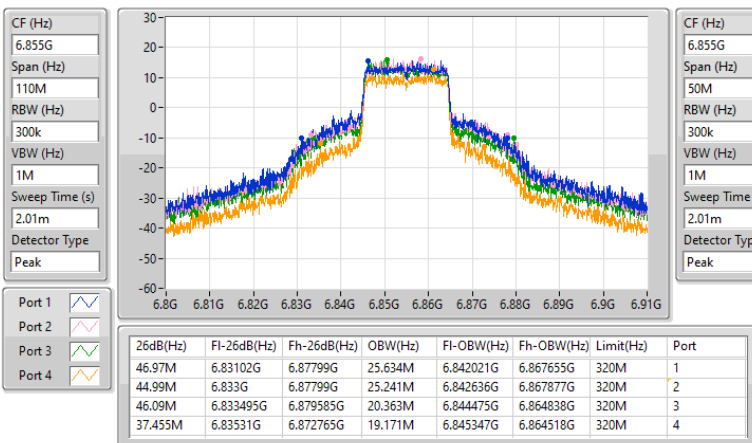


6.525-6.875GHz_802.11ax HEW20_Nss4,(MCS0)_4TX

EBW

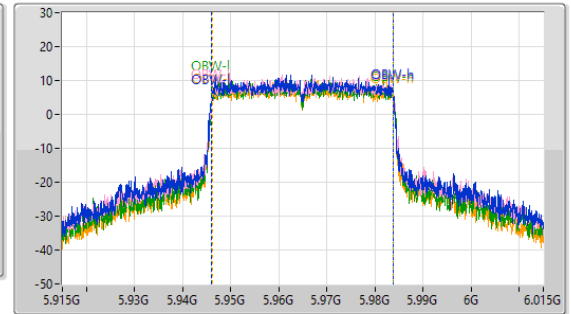
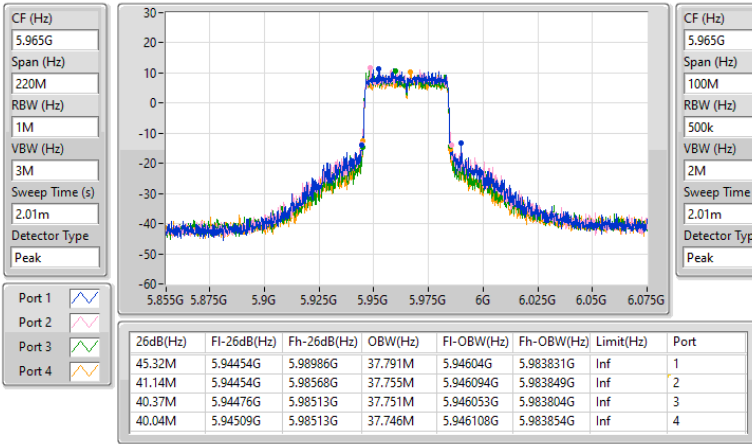
6855MHz

19/06/2025

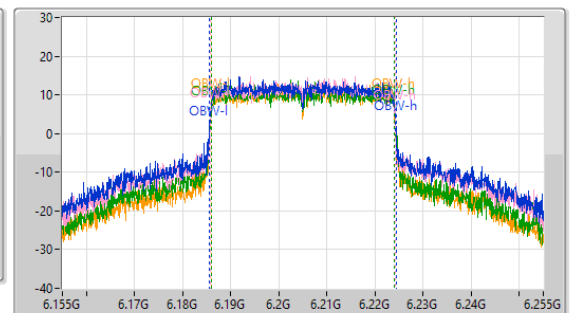
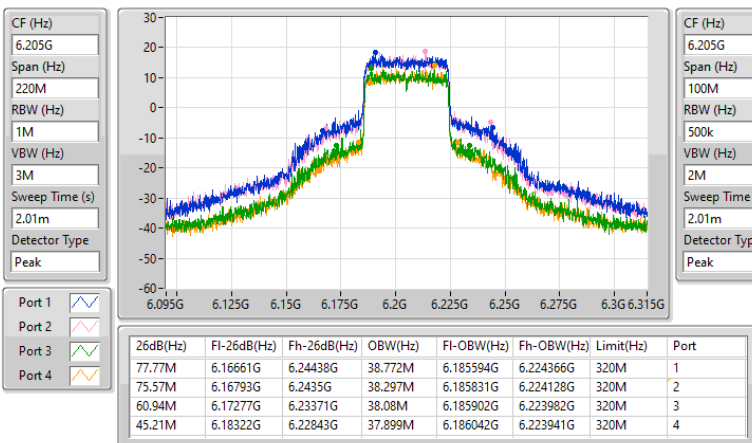


5.925-6.425GHz_802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
5965MHz

13/06/2025


5.925-6.425GHz_802.11ax HEW40_Nss4,(MCS0)_4TX
EBW
6205MHz

16/06/2025

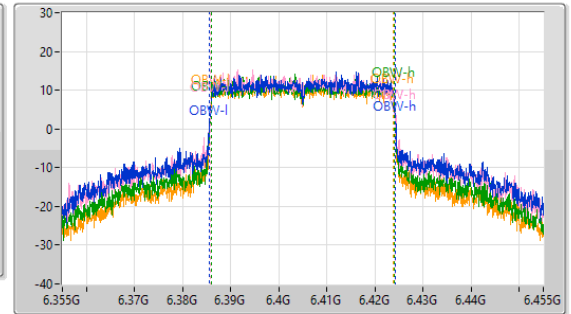
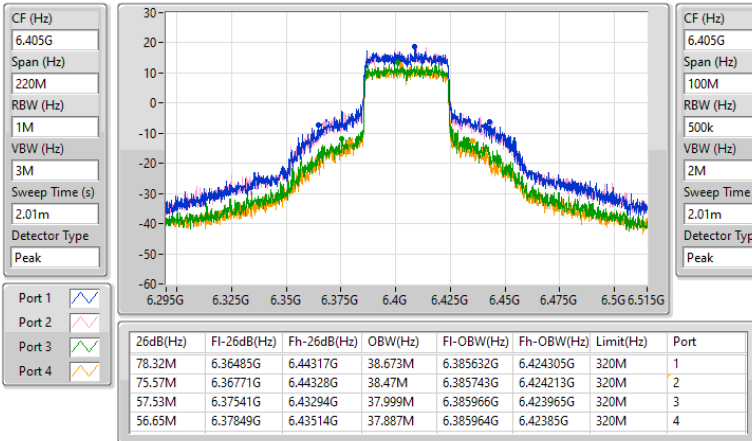


5.925-6.425GHz_802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

6405MHz

20/06/2025

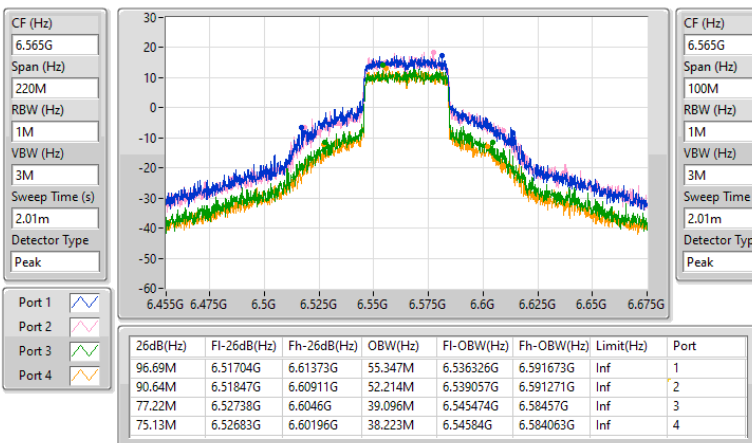


6.525-6.875GHz_802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

6565MHz

13/06/2025

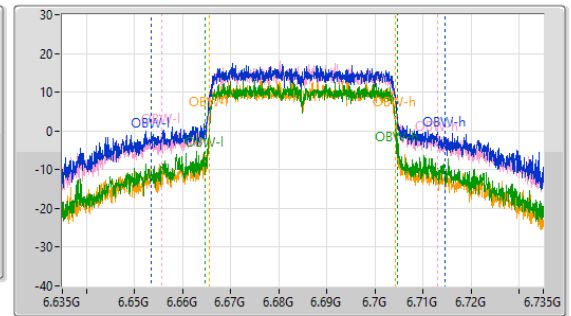
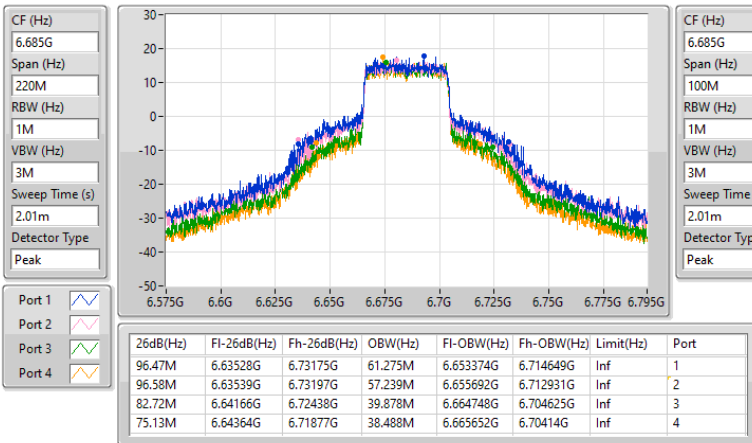


6.525-6.875GHz_802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

6685MHz

13/06/2025

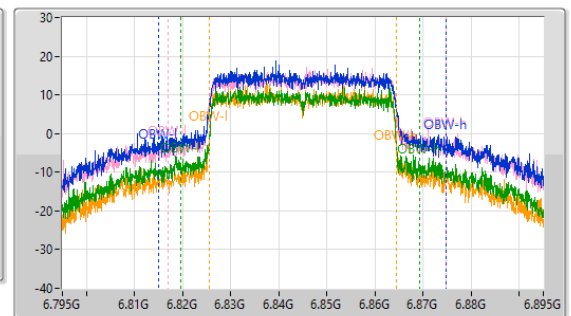
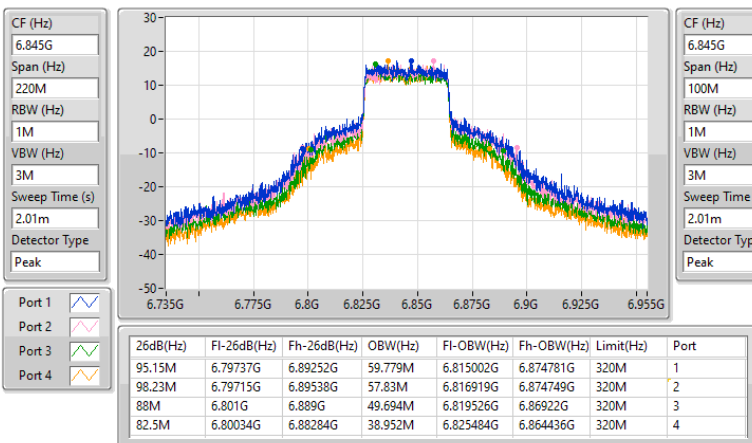


6.525-6.875GHz_802.11ax HEW40_Nss4,(MCS0)_4TX

EBW

6845MHz

16/06/2025

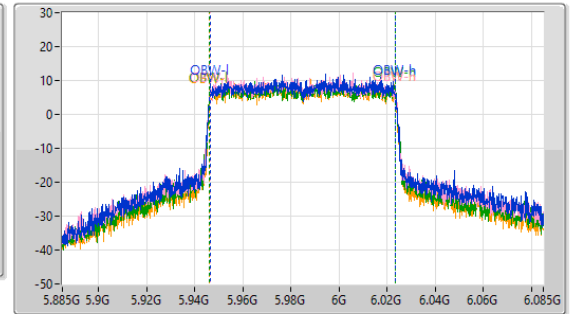
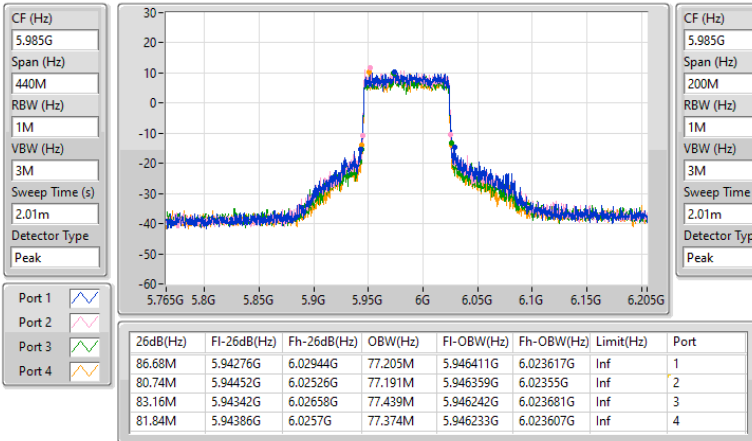


5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

5985MHz

13/06/2025

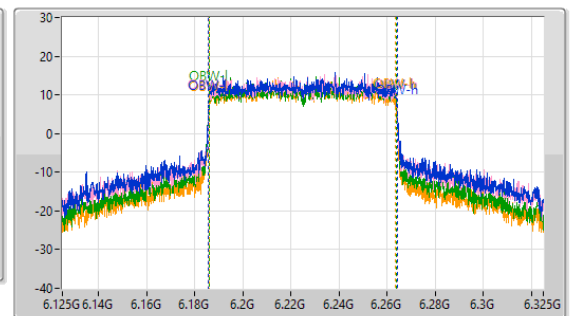
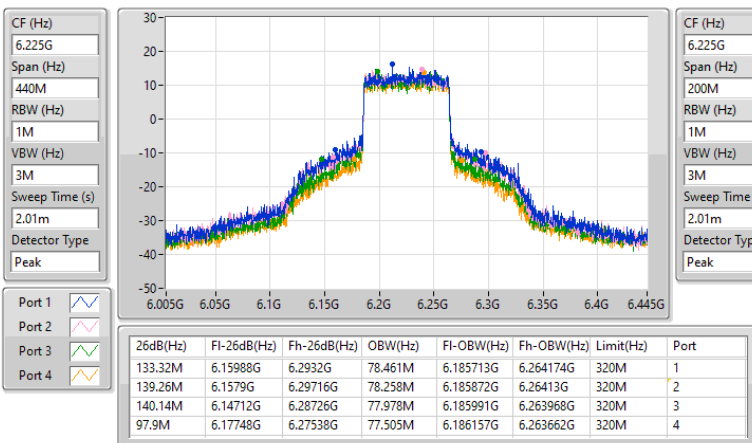


5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6225MHz

16/06/2025

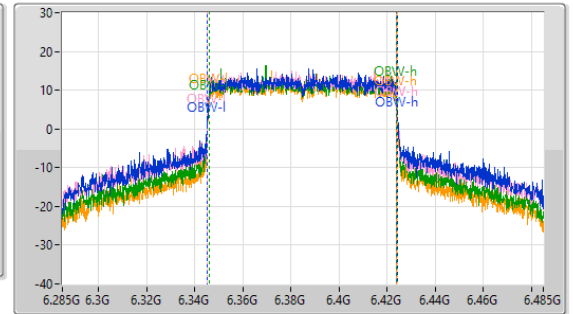
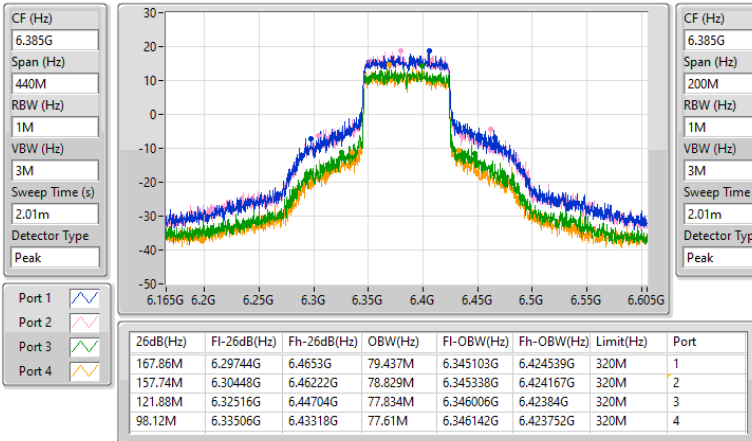


5.925-6.425GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

6385MHz

20/06/2025

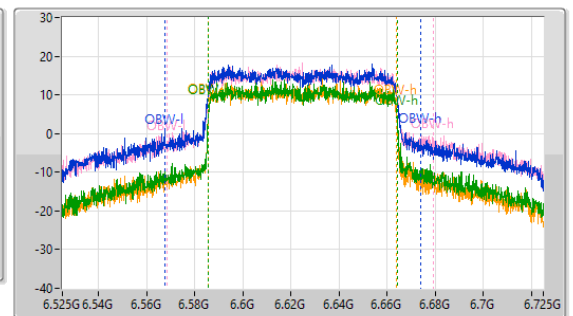
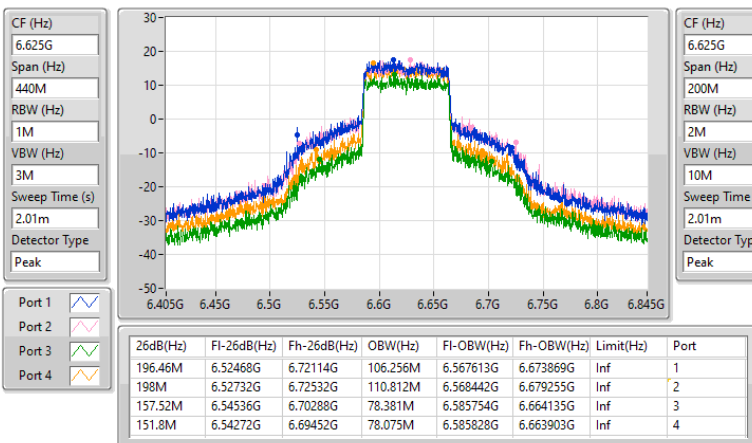


6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX

EBW

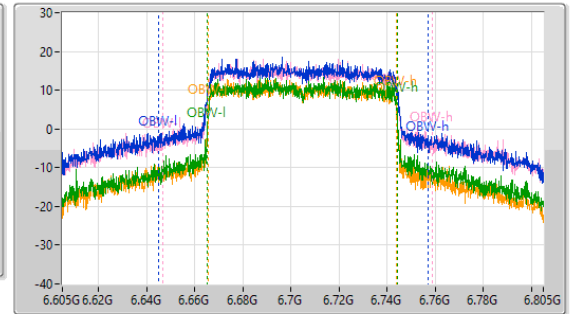
6625MHz

13/06/2025

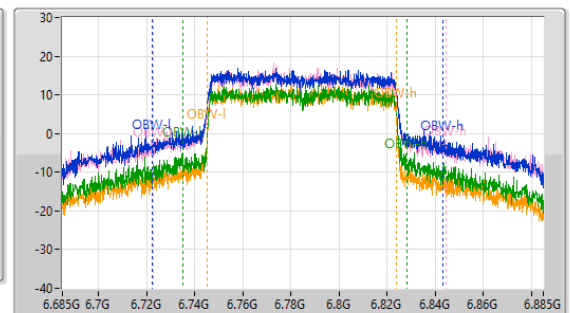
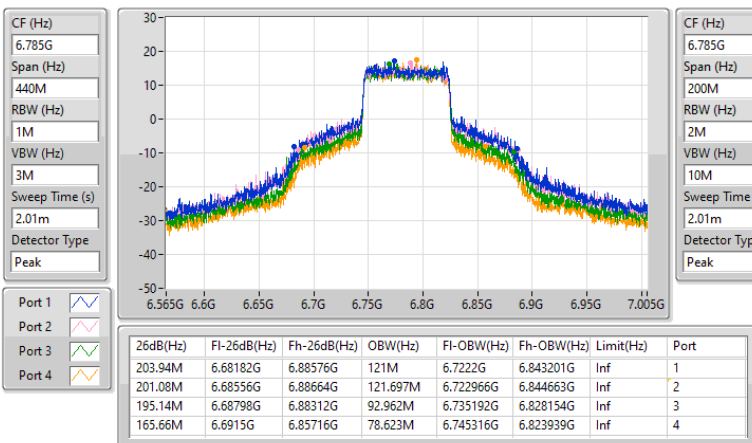


6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6705MHz

13/06/2025

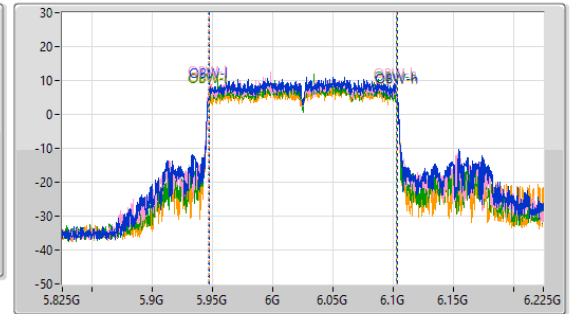
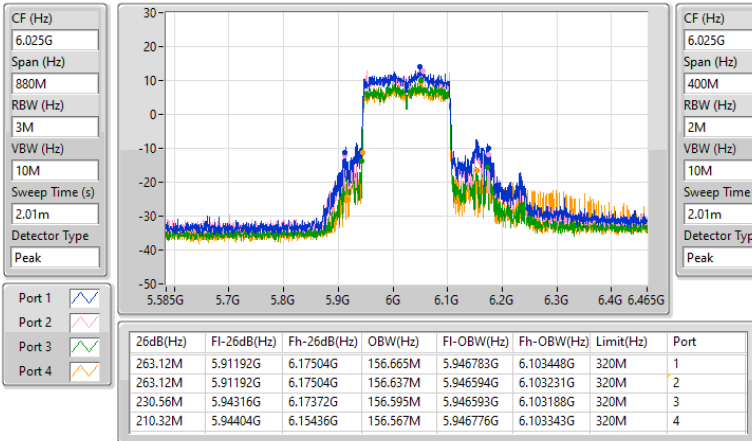

6.525-6.875GHz_802.11ax HEW80_Nss4,(MCS0)_4TX
EBW
6785MHz

13/06/2025

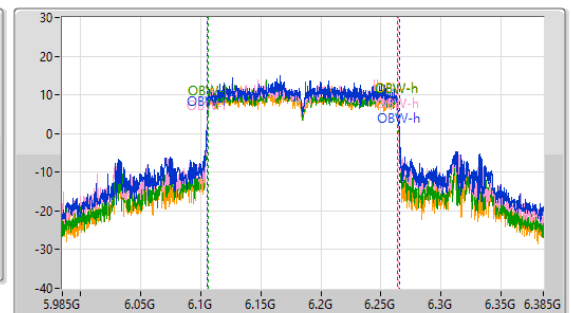
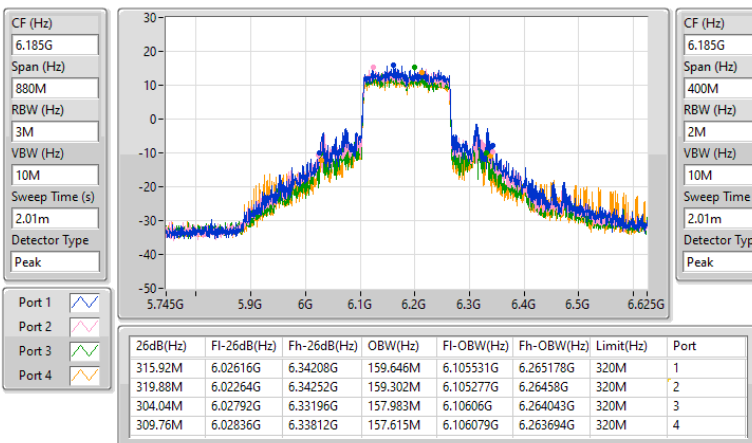


5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX
EBW
6025MHz

16/06/2025


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

16/06/2025

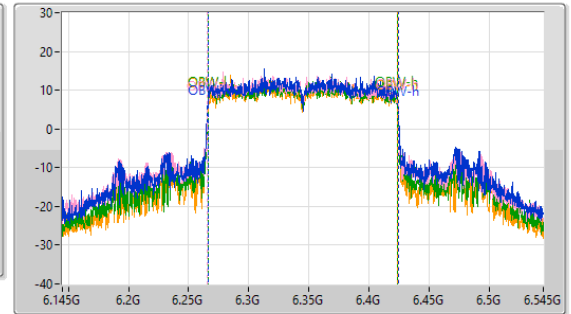
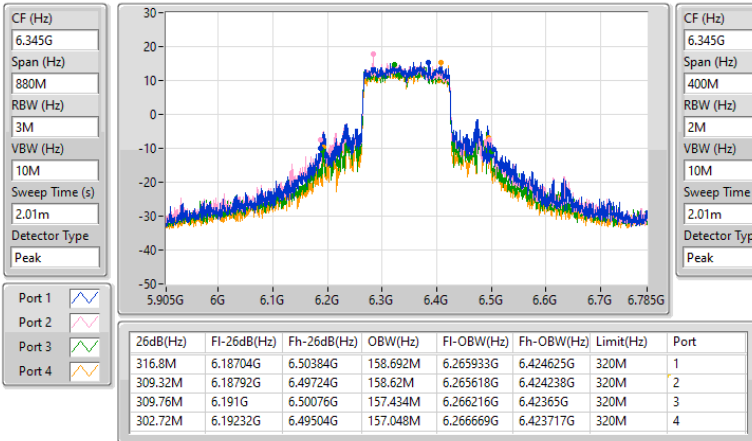


5.925-6.425GHz_802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

6345MHz

16/06/2025

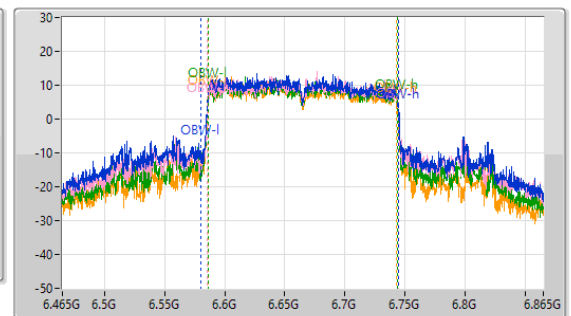
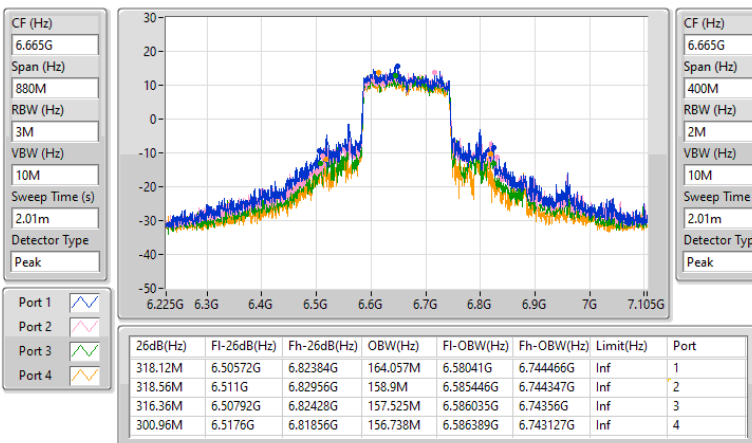


6.525-6.875GHz_802.11ax HEW160_Nss4,(MCS0)_4TX

EBW

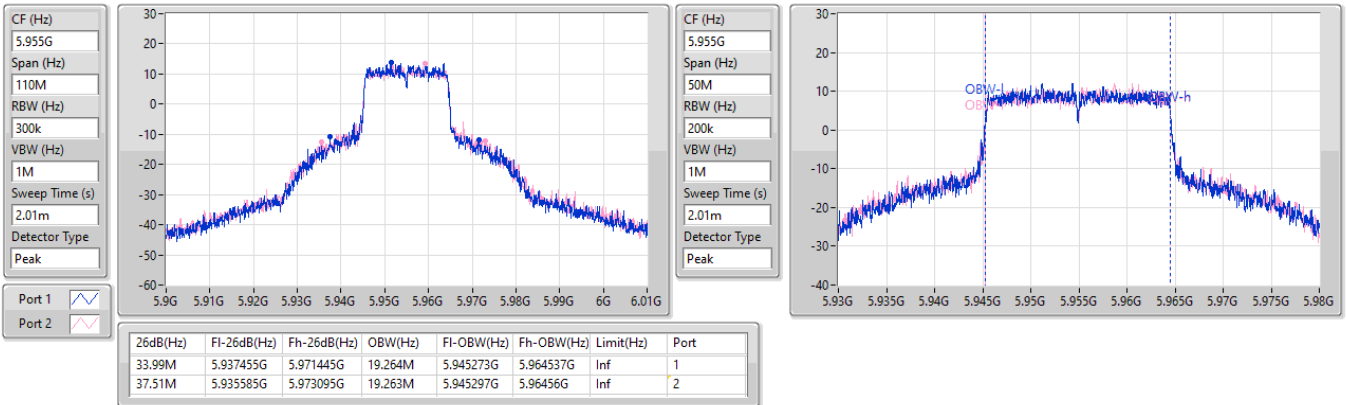
6665MHz

13/06/2025

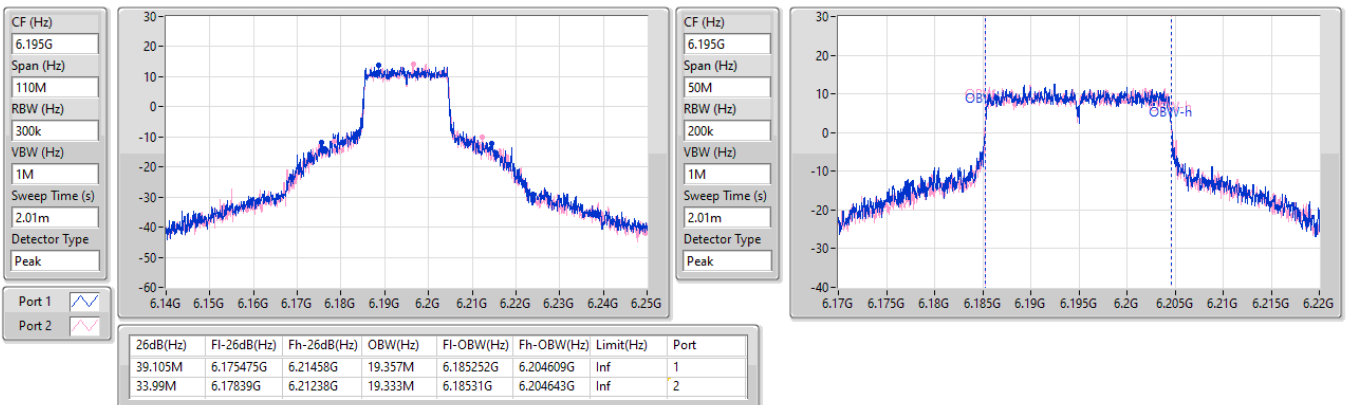


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
5955MHz

13/06/2025

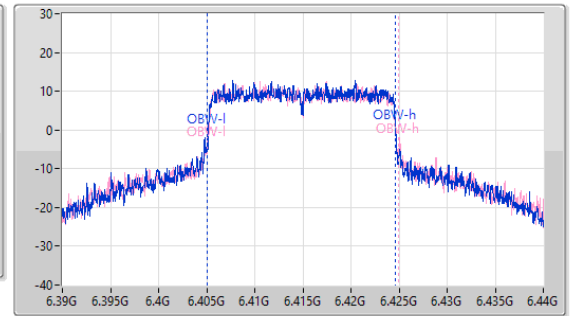
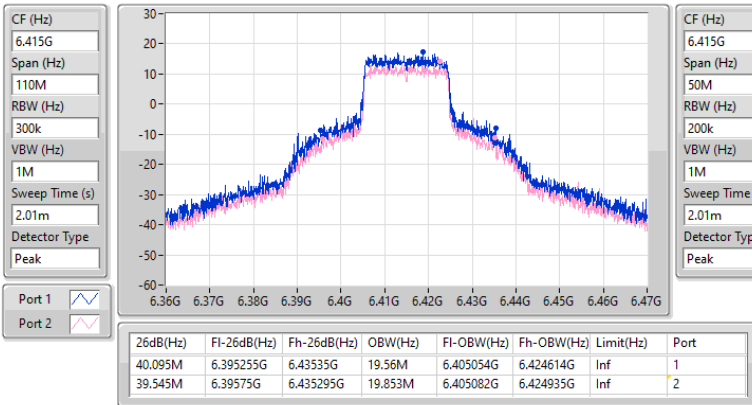

5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6195MHz

13/06/2025

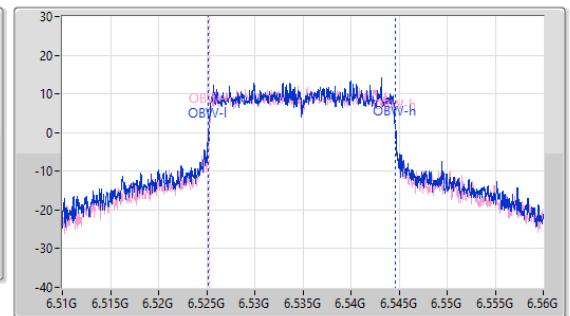
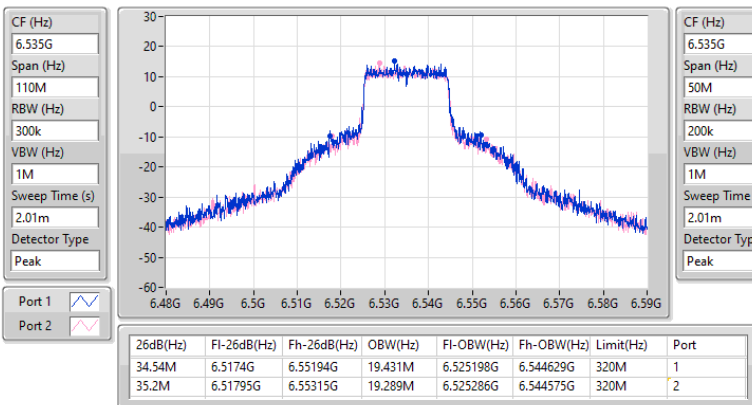


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6415MHz

13/06/2025

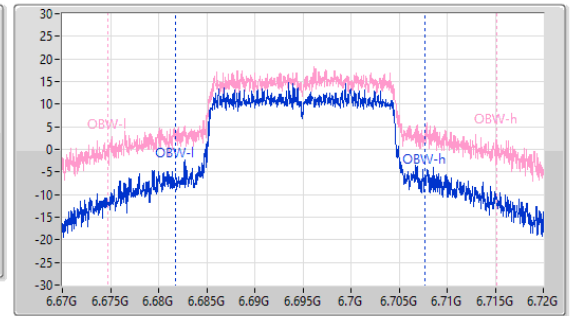
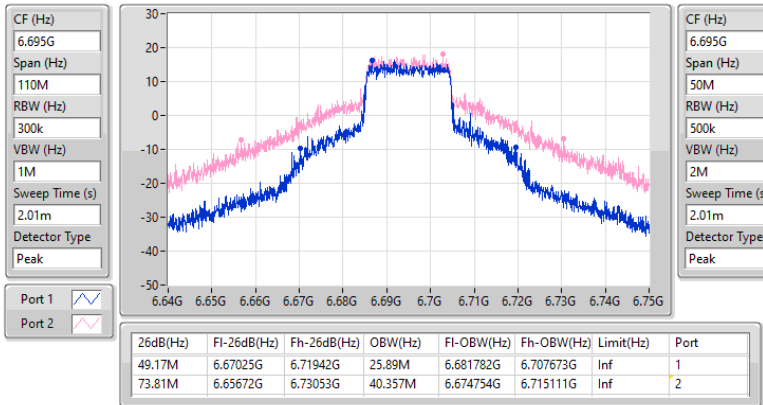

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6535MHz

20/06/2025

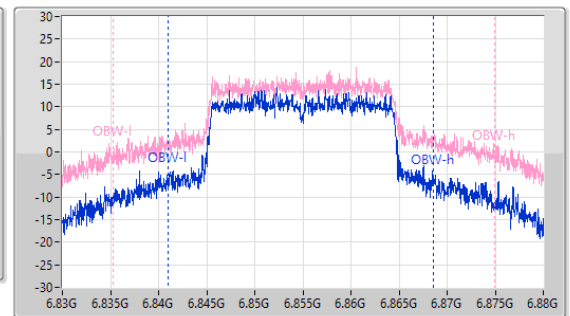
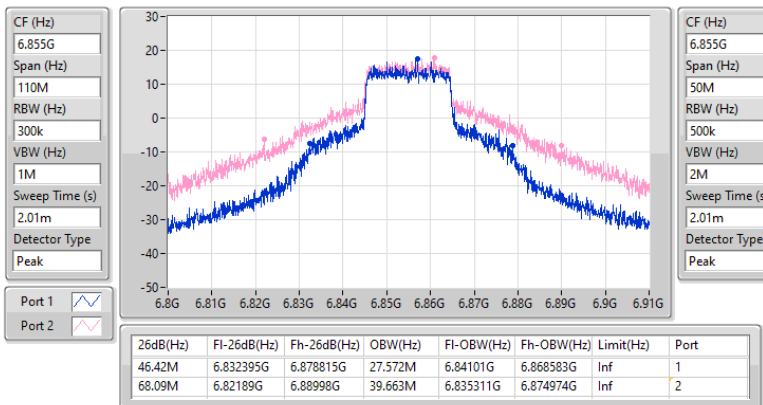


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6695MHz

13/06/2025

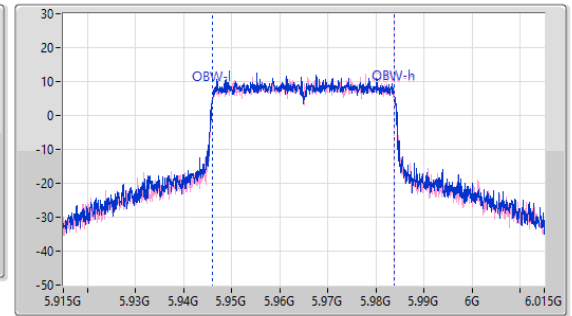
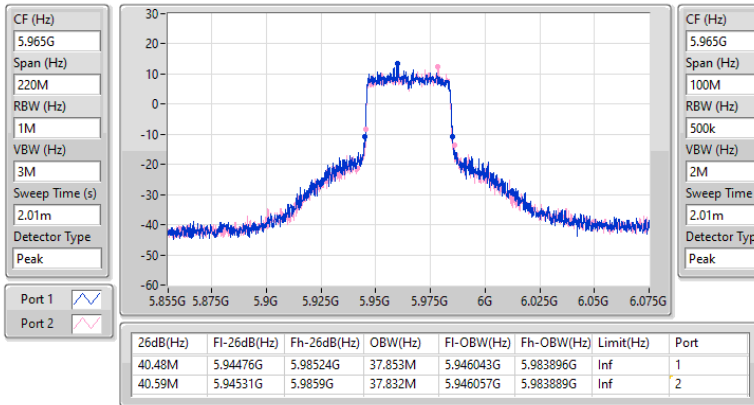

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
EBW
6855MHz

13/06/2025

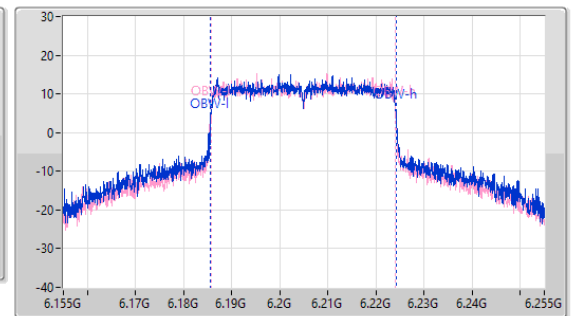
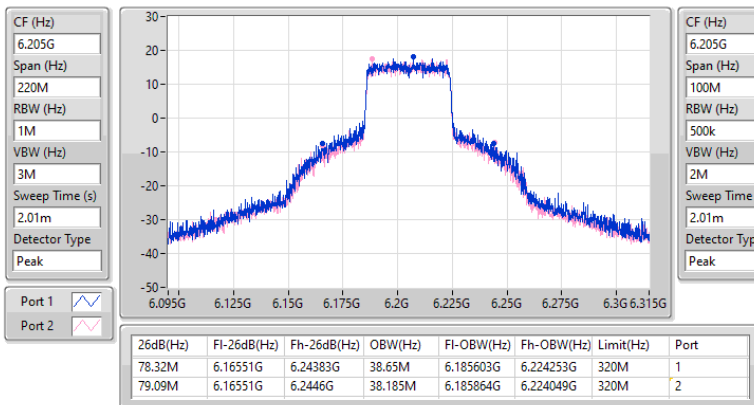


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
5965MHz

13/06/2025

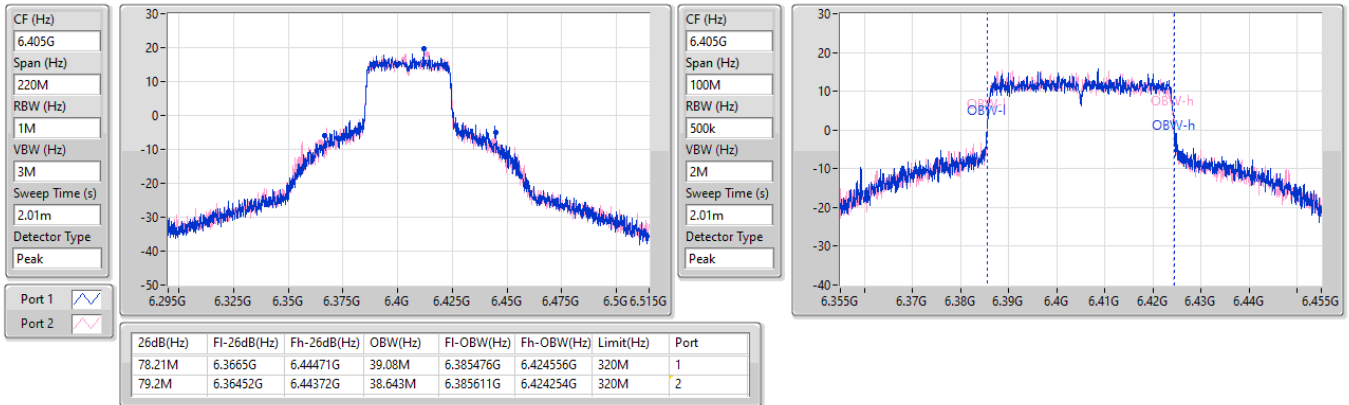

5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6205MHz

16/06/2025

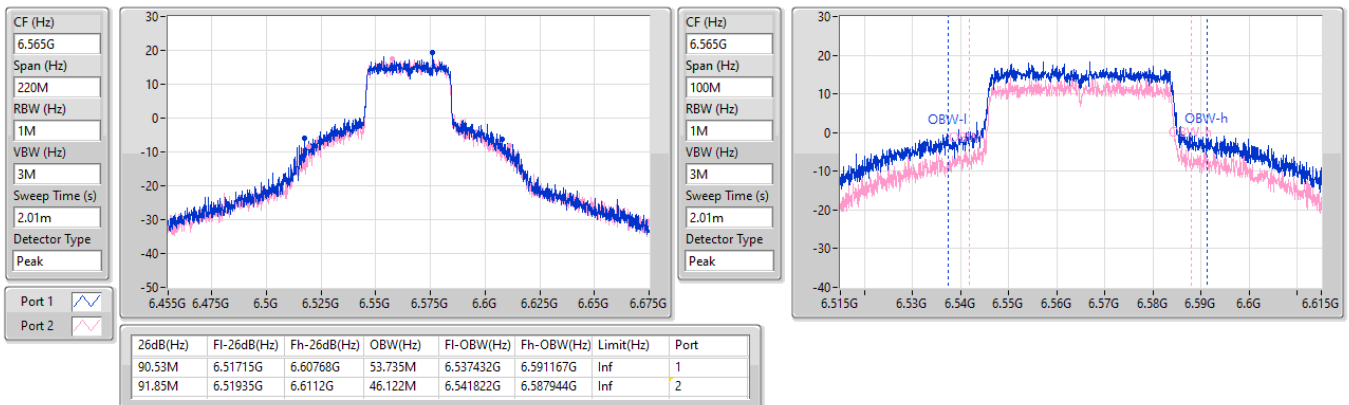


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6405MHz

20/06/2025

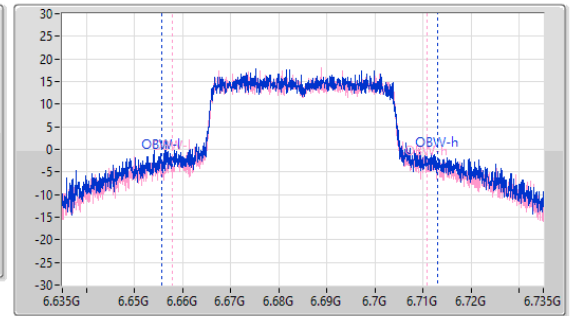
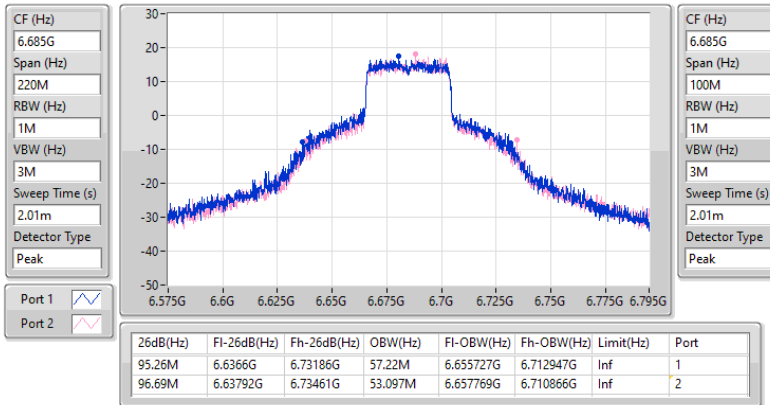

6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6565MHz

13/06/2025

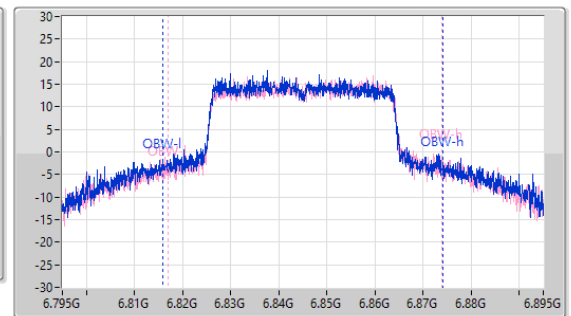
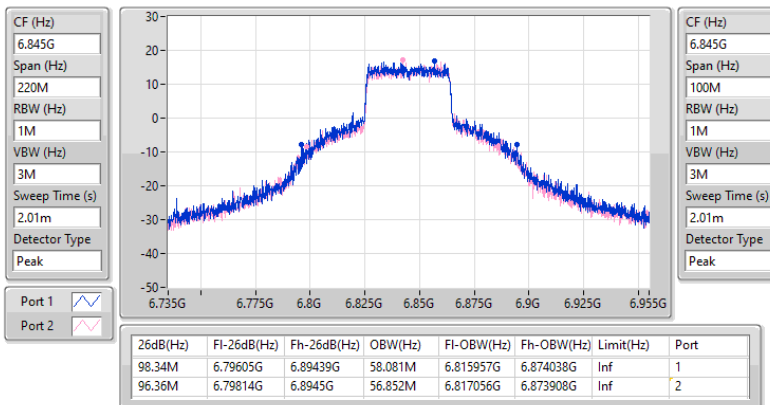


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
EBW
6685MHz

13/06/2025


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

13/06/2025

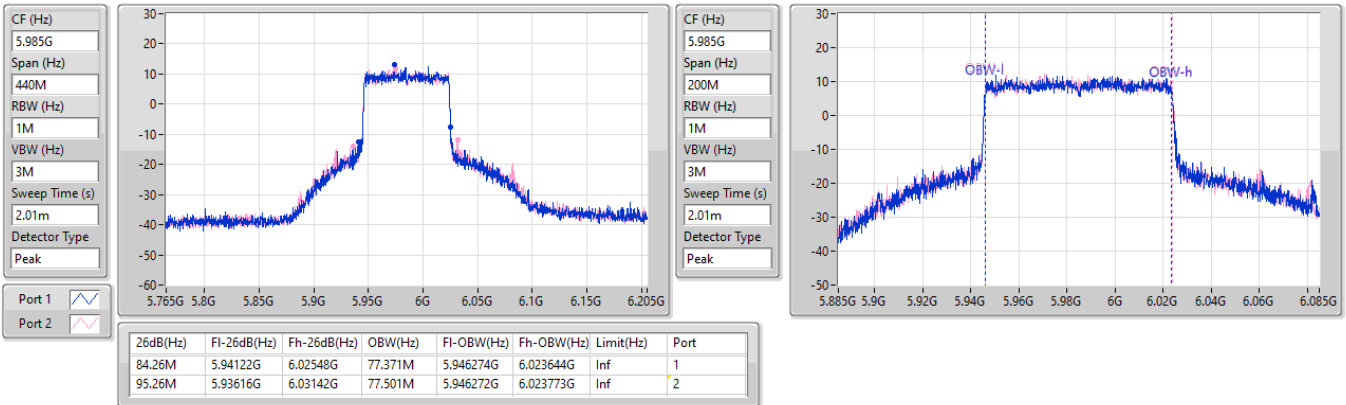


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

5985MHz

13/06/2025

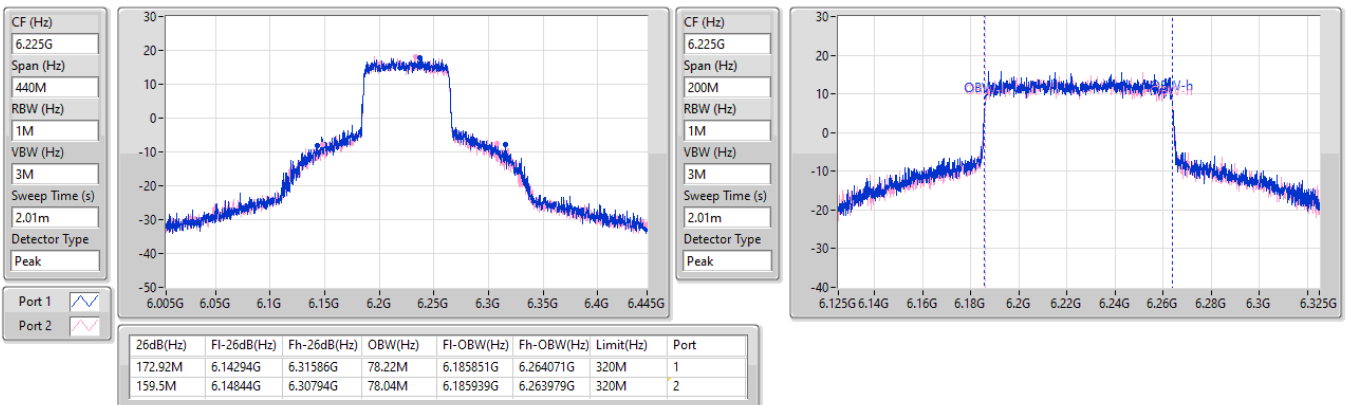


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

6225MHz

16/06/2025

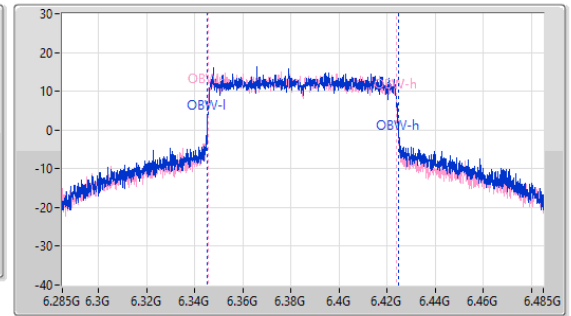
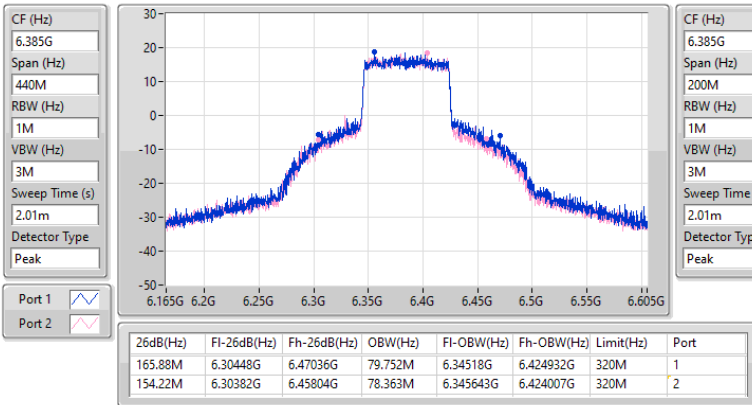


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

6385MHz

20/06/2025

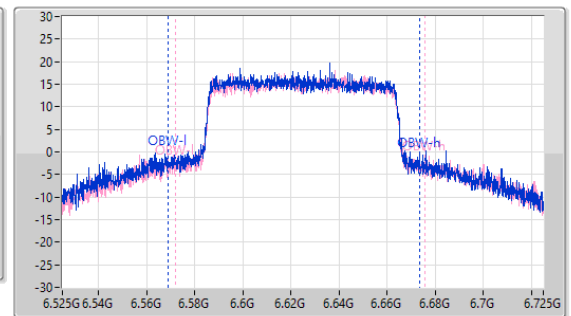
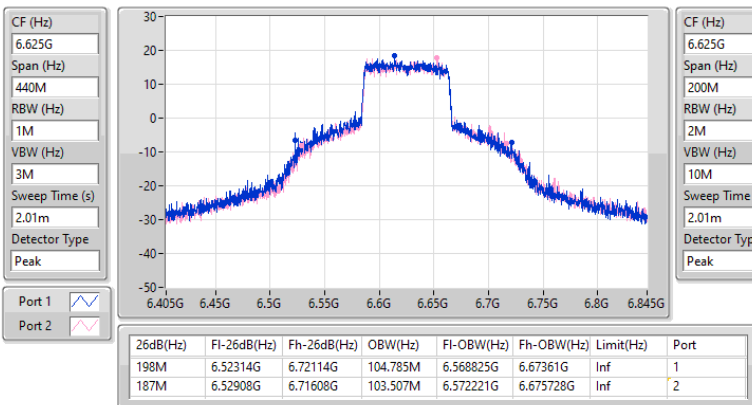


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX

EBW

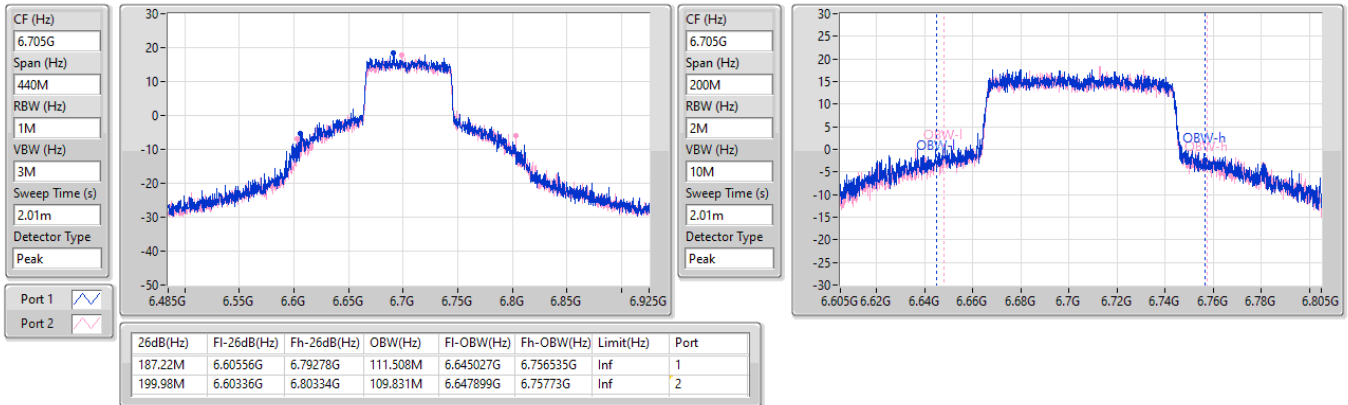
6625MHz

13/06/2025

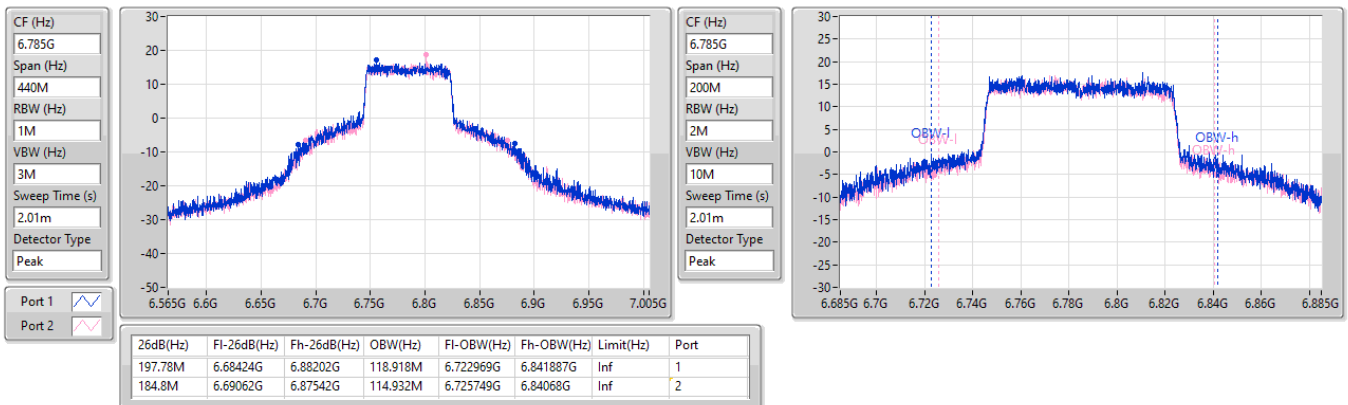


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6705MHz

13/06/2025

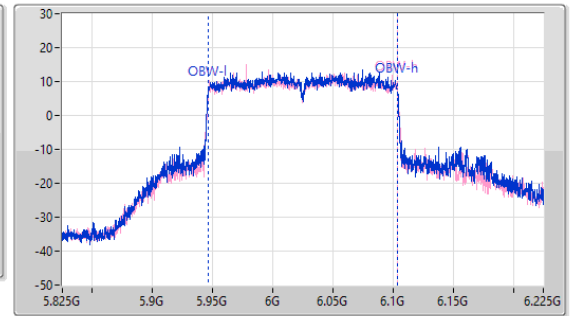
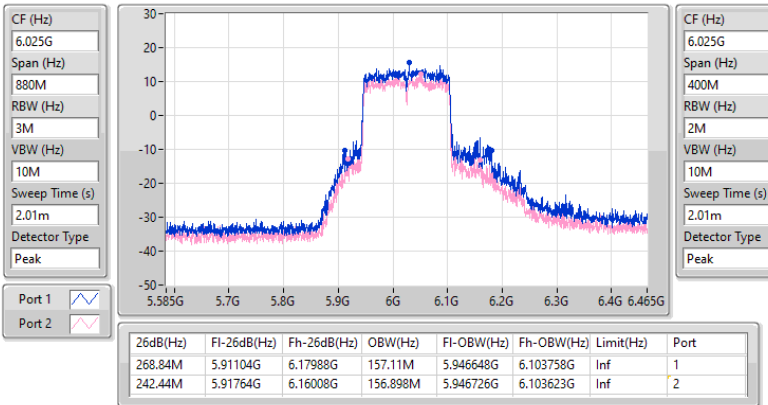

6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
EBW
6785MHz

13/06/2025

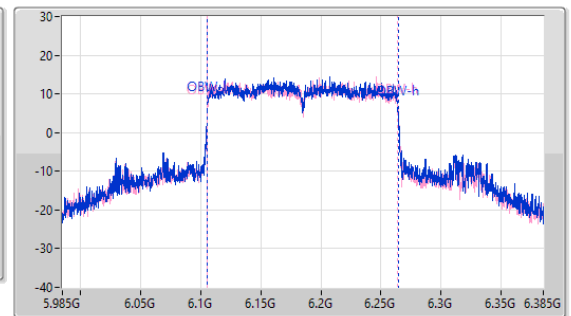
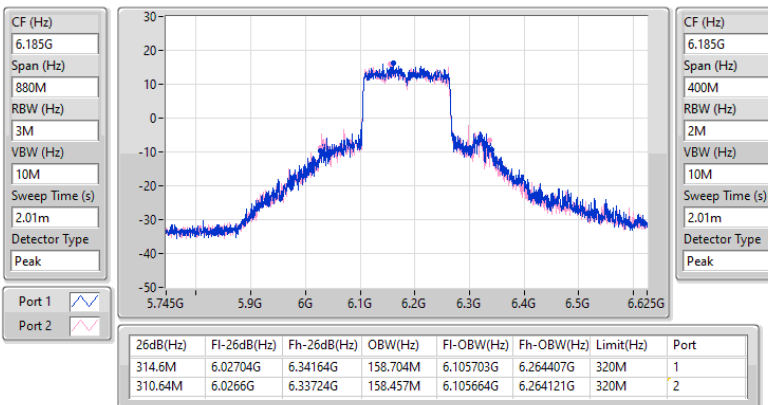


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6025MHz

13/06/2025

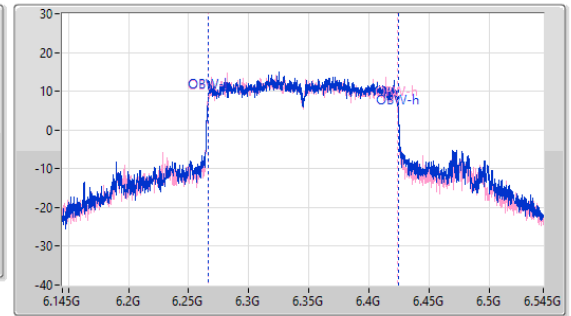
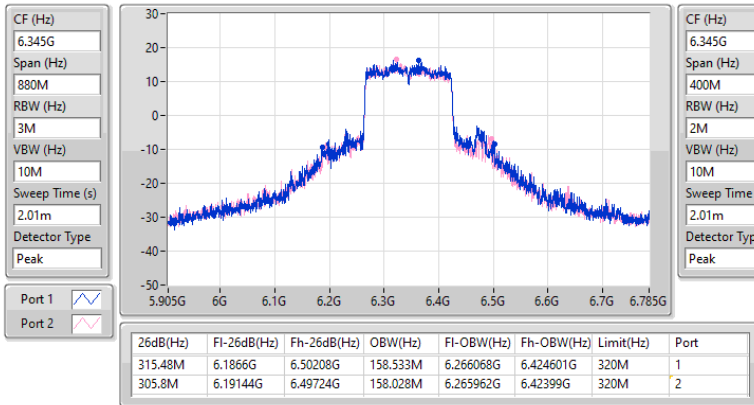

5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6185MHz

16/06/2025

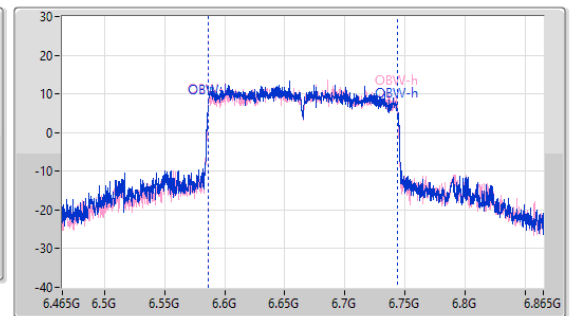
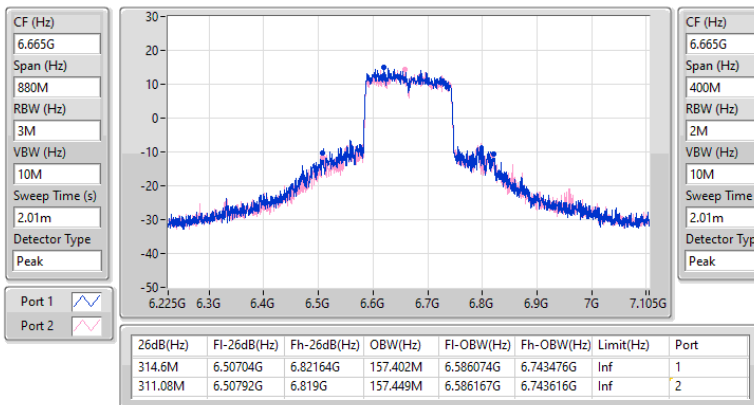


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
EBW
6345MHz

16/06/2025


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

13/06/2025

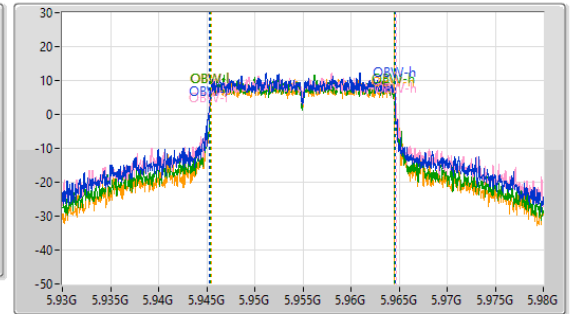
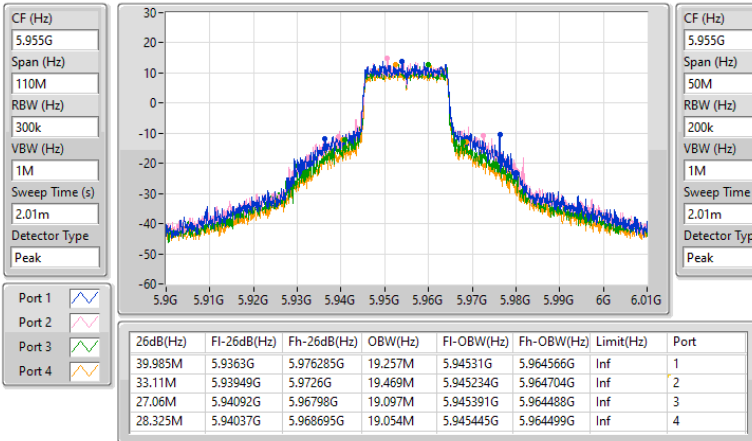


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

5955MHz

13/06/2025

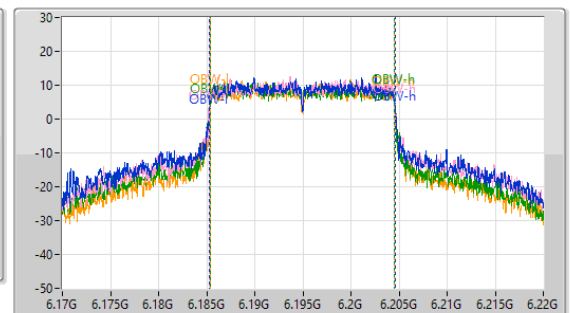
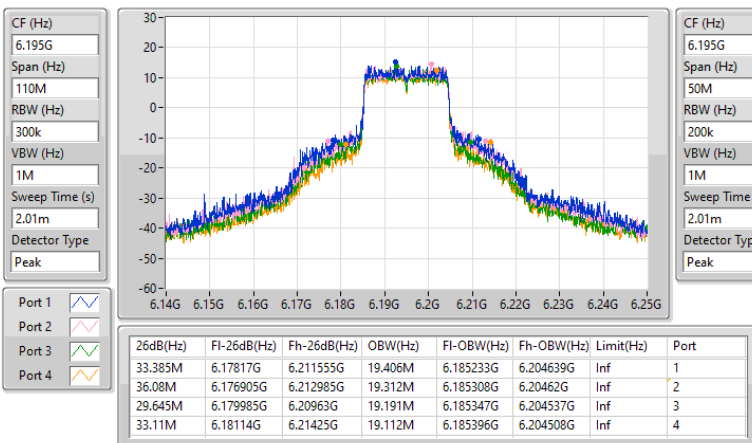


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6195MHz

13/06/2025

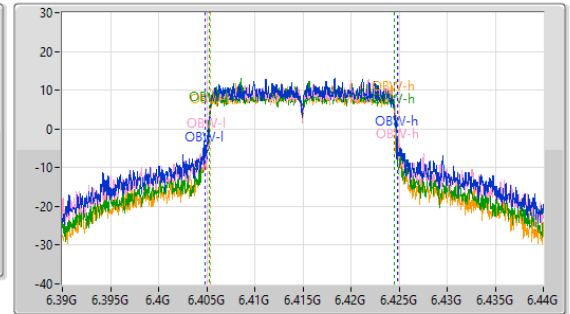
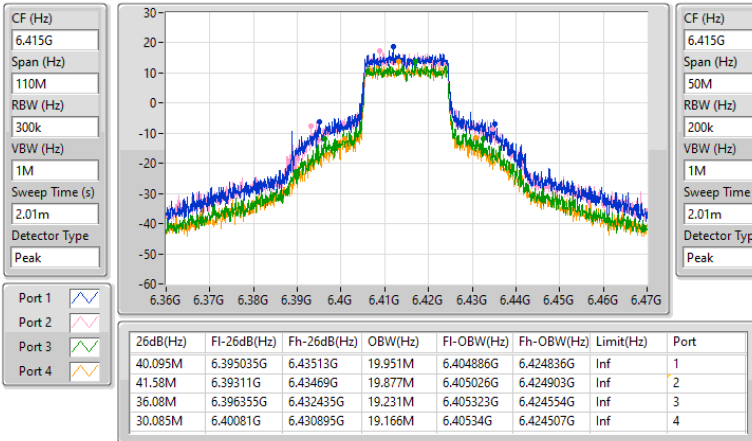


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6415MHz

13/06/2025

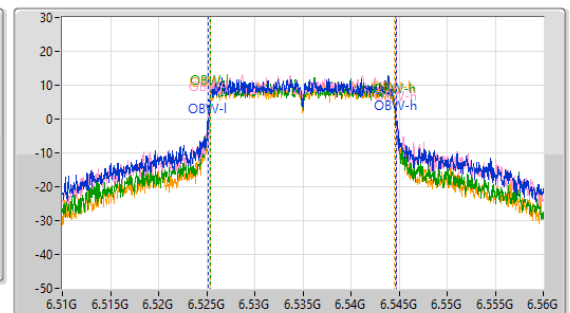
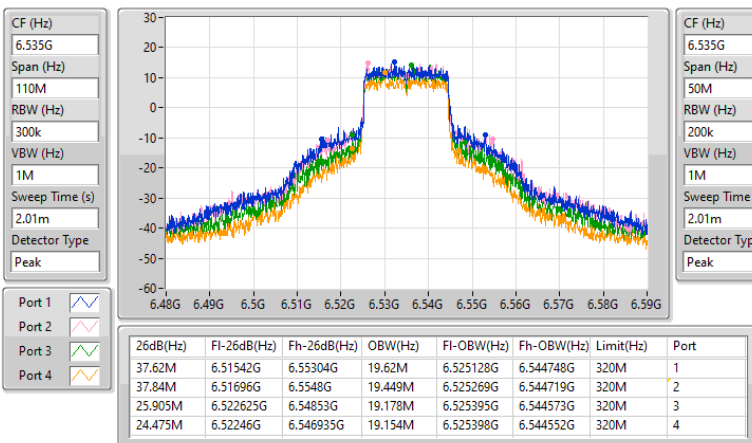


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6535MHz

20/06/2025

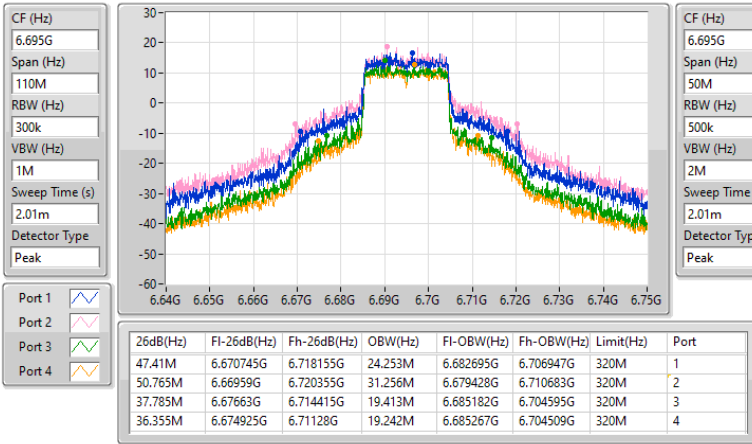


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6695MHz

19/06/2025

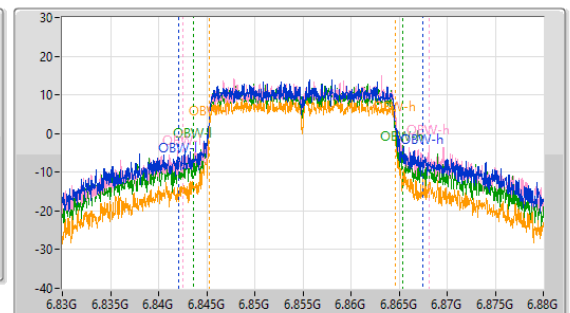
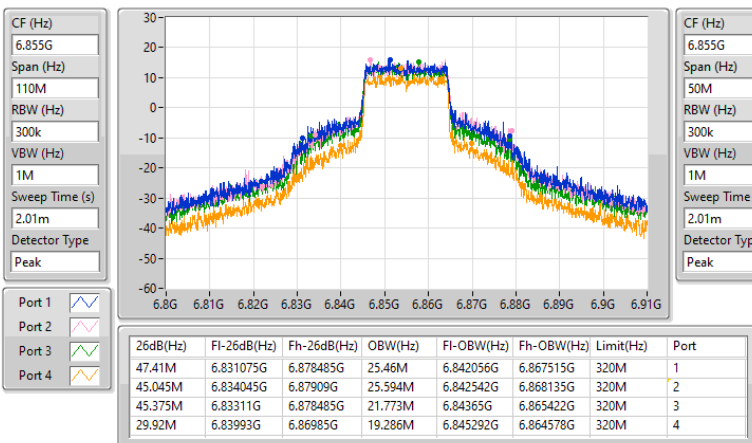


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6855MHz

19/06/2025

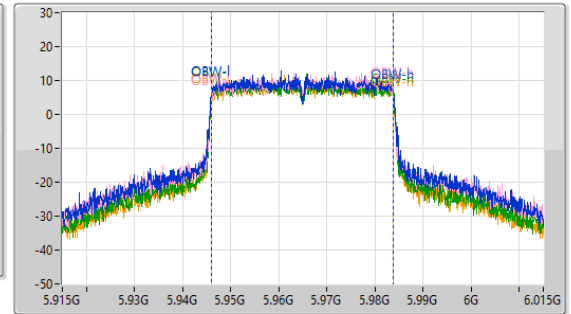
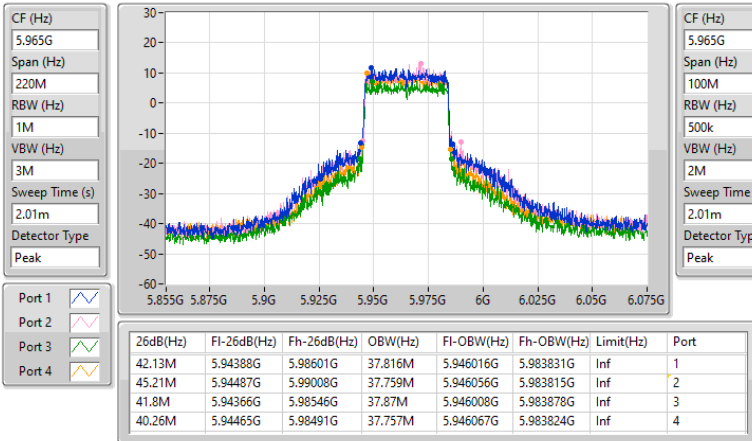


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

5965MHz

13/06/2025

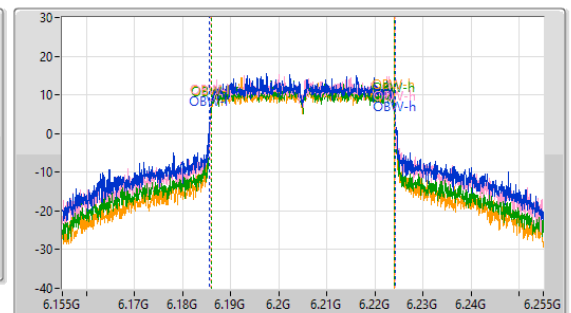
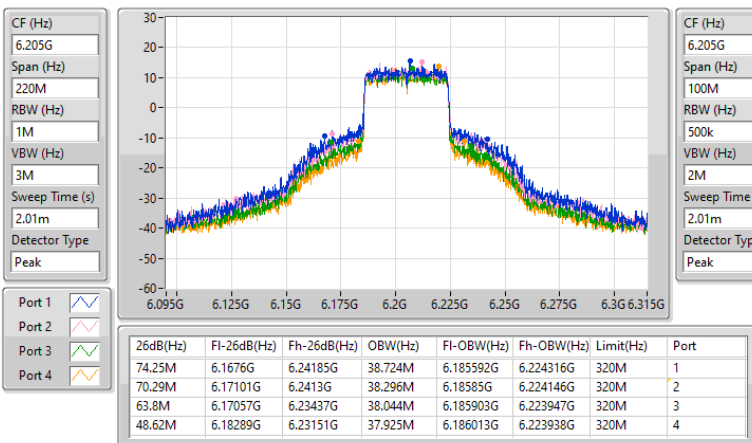


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6205MHz

16/06/2025

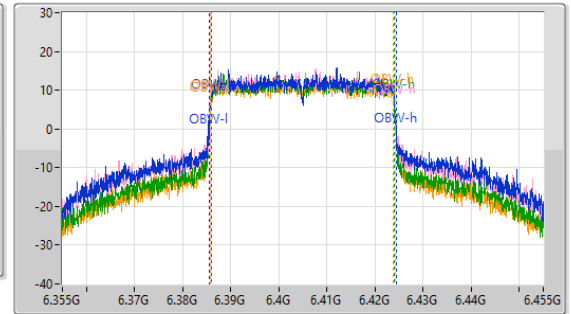
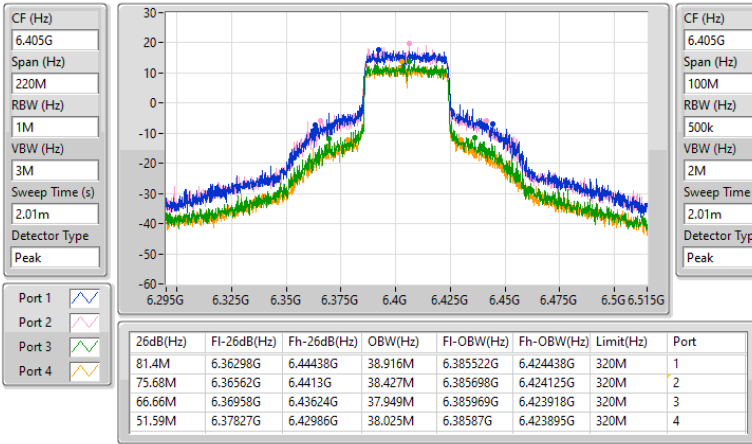


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6405MHz

20/06/2025

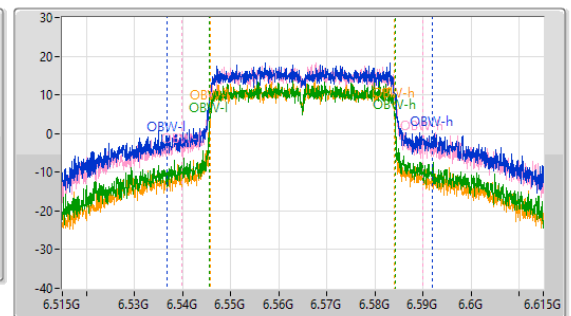
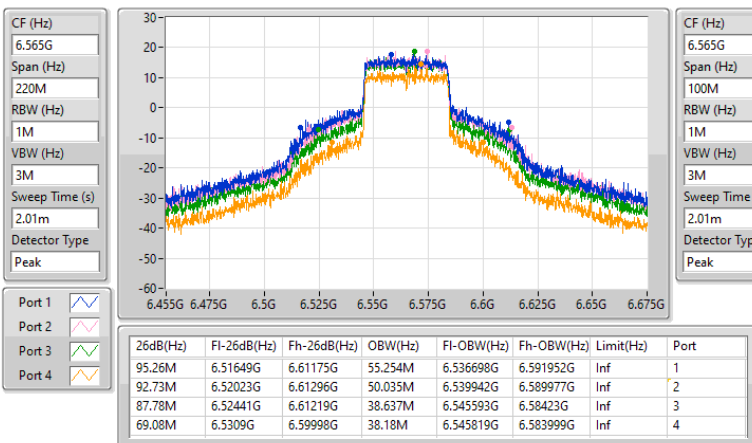


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6565MHz

13/06/2025

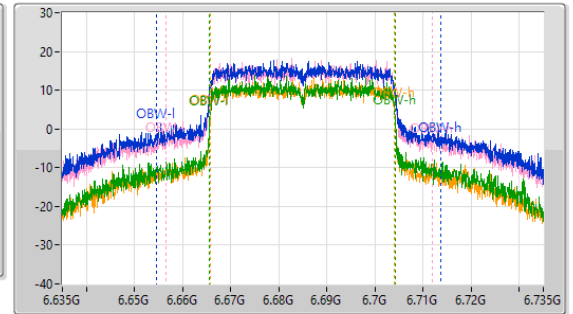
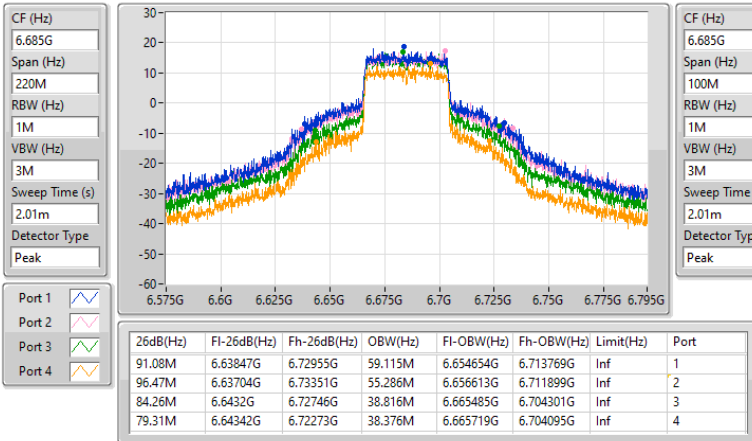


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6685MHz

13/06/2025

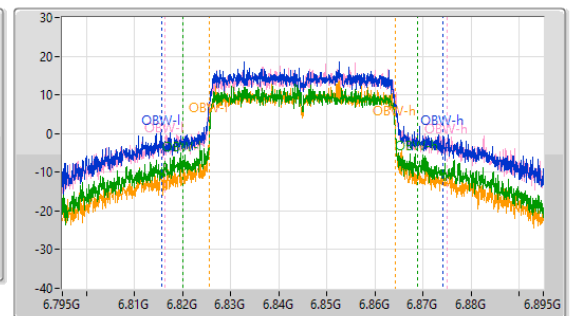
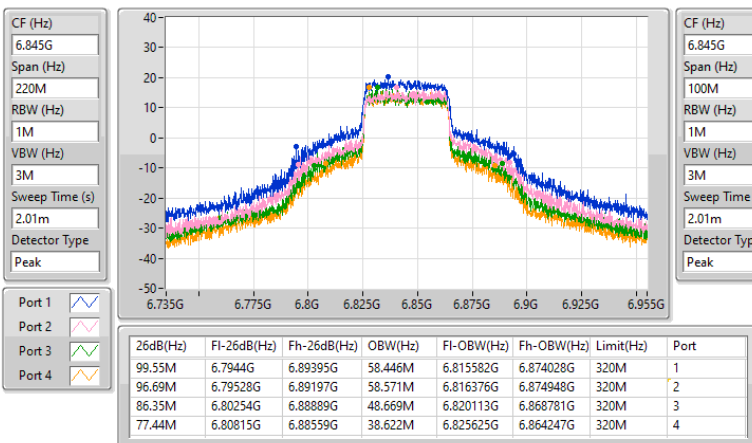


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6845MHz

16/06/2025

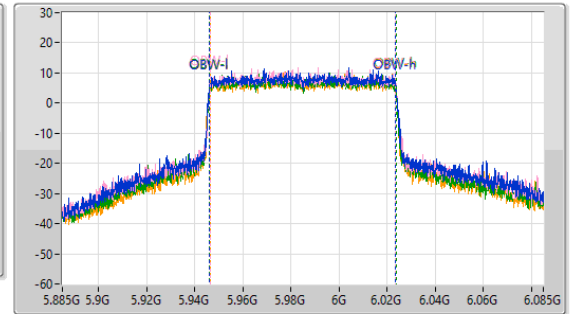
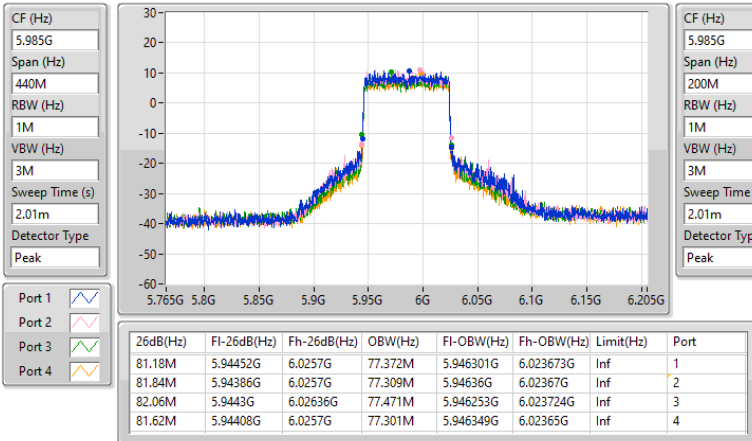


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

5985MHz

13/06/2025

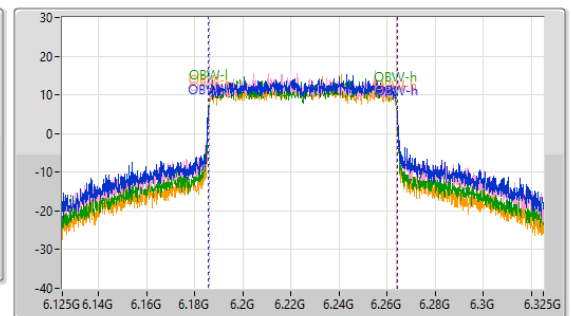
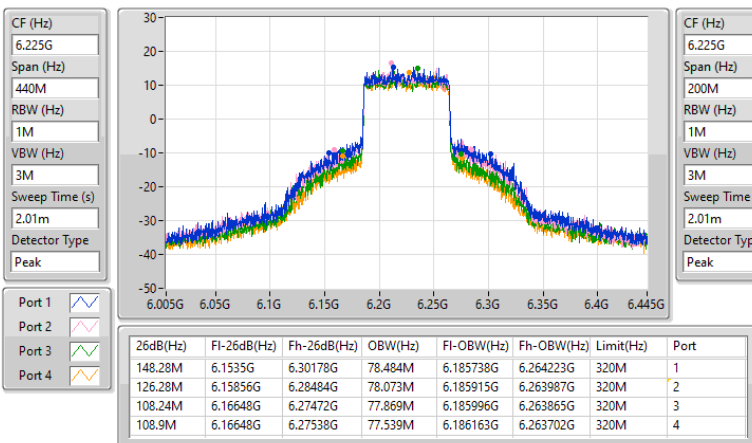


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6225MHz

16/06/2025

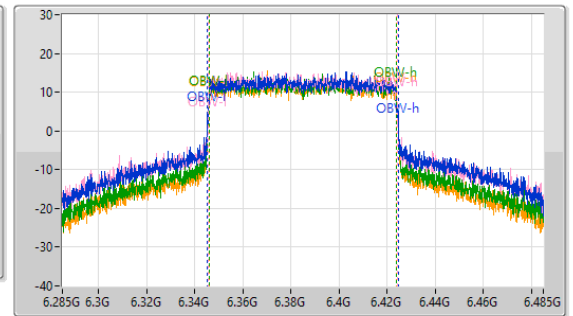
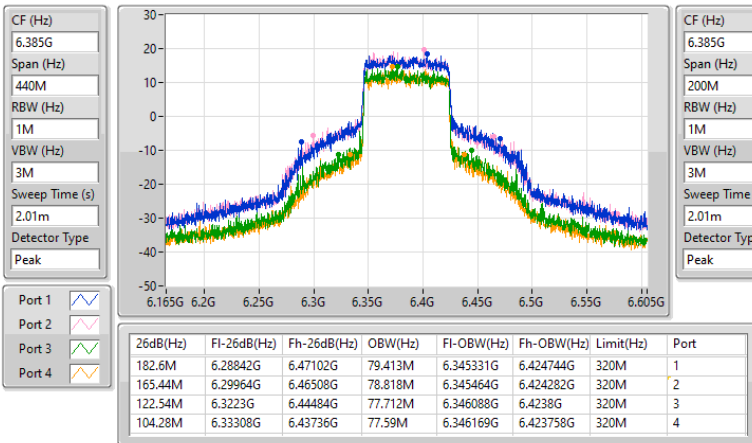


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6385MHz

20/06/2025

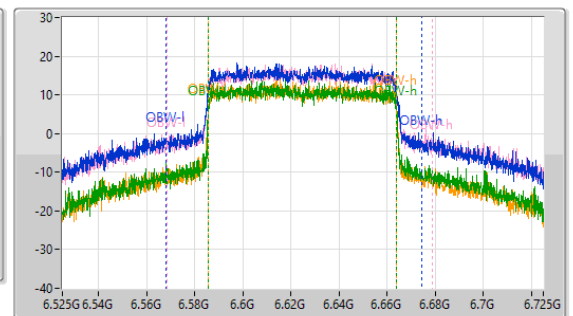
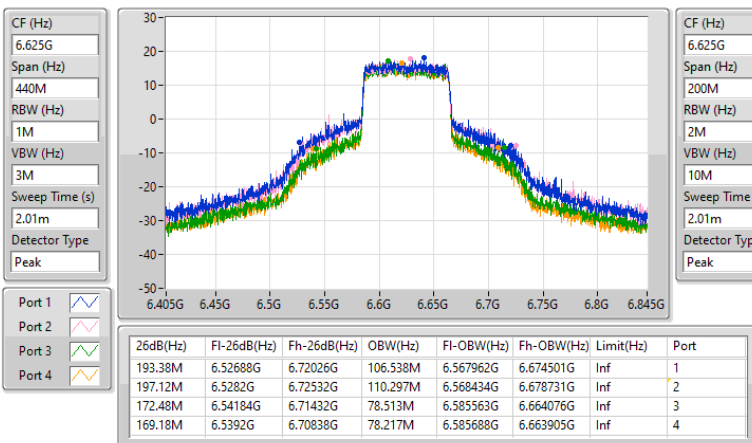


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6625MHz

13/06/2025

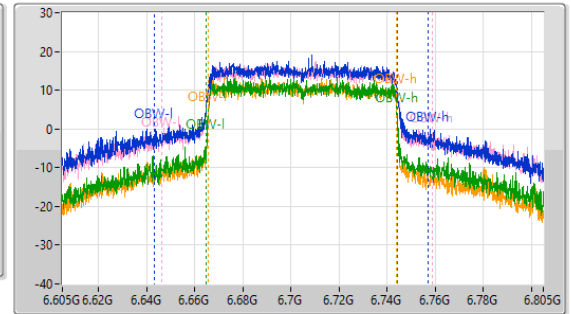
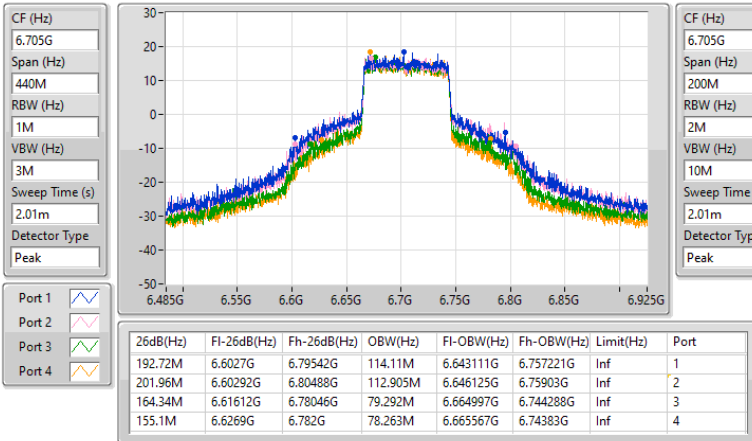


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6705MHz

13/06/2025

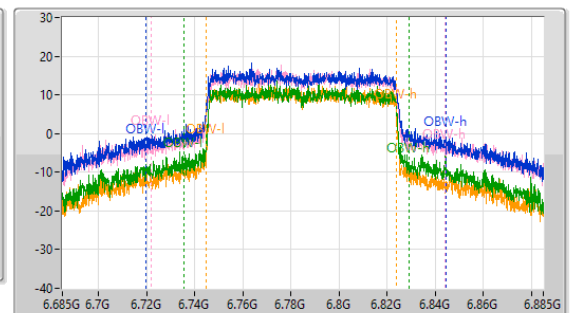
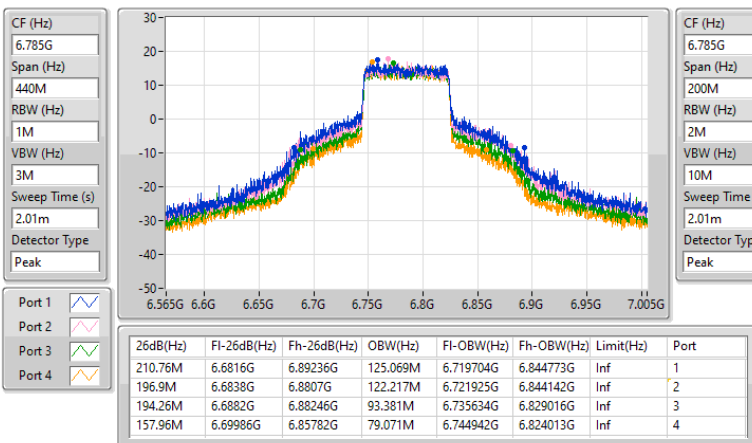


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6785MHz

13/06/2025

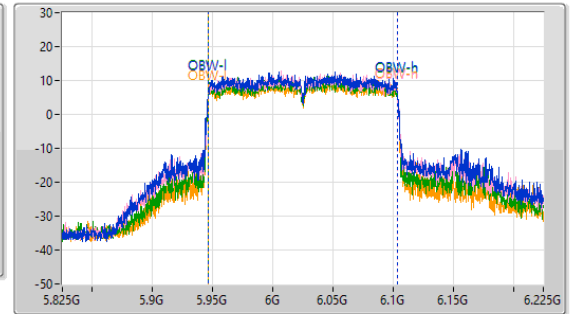
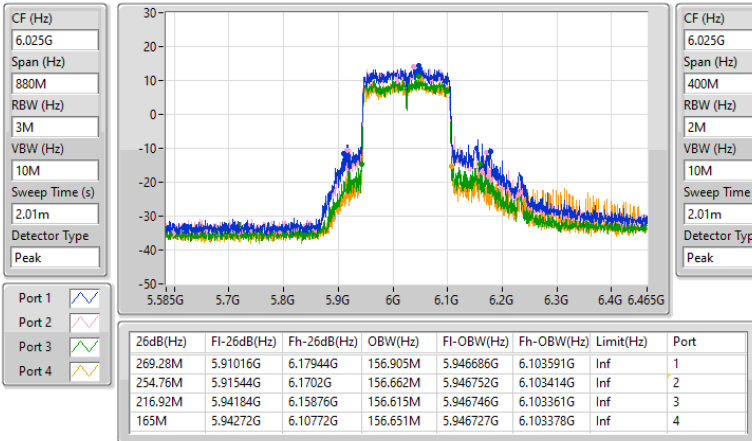


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6025MHz

13/06/2025

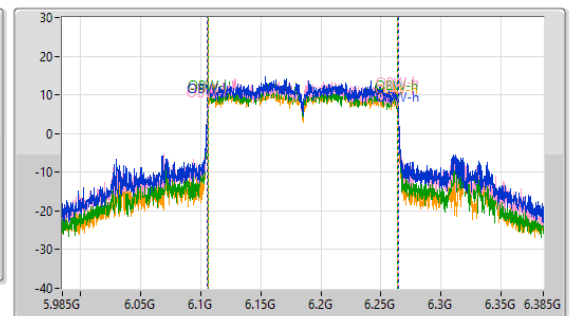
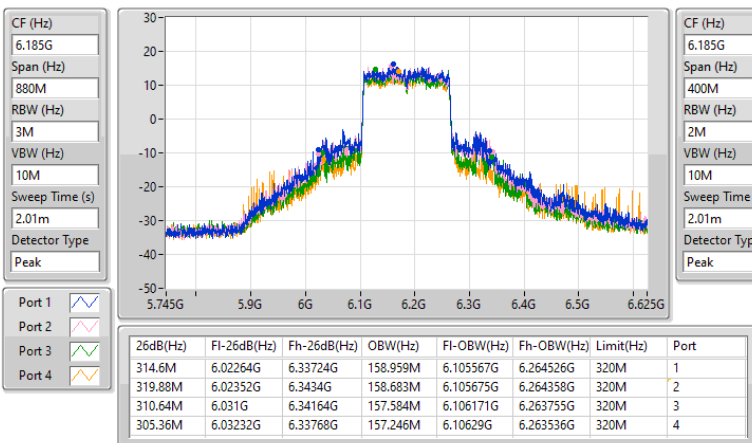


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6185MHz

16/06/2025

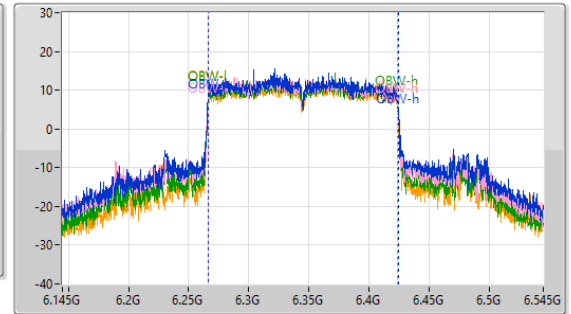
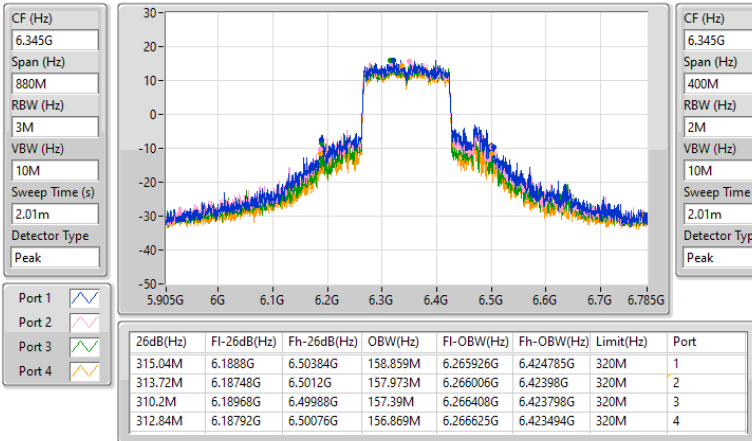


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6345MHz

16/06/2025

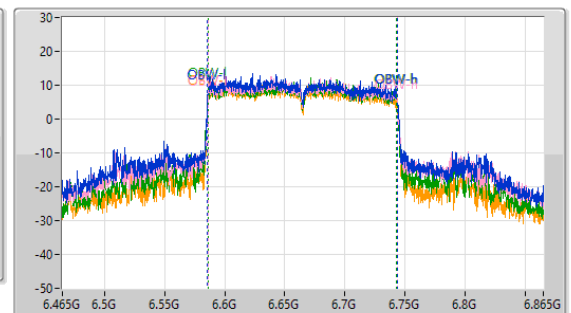
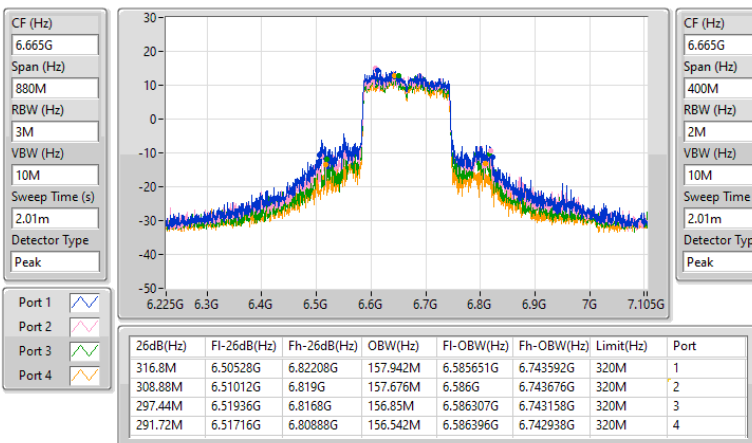


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6665MHz

16/06/2025



Test Mode: Mode 2
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	43.34M	19.741M	19M7D1D	30.58M	19.243M
802.11ax HEW40_Nss2,(MCS0)_2TX	85.14M	40.916M	40M9D1D	66.44M	38.076M
802.11ax HEW80_Nss2,(MCS0)_2TX	184.58M	84.483M	84M5D1D	95.04M	77.542M
802.11ax HEW160_Nss2,(MCS0)_2TX	318.56M	169.588M	170MD1D	308.44M	158.189M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss2,(MCS0)_2TX	51.26M	27.015M	27M0D1D	34.65M	19.36M
802.11ax HEW40_Nss2,(MCS0)_2TX	101.86M	56.738M	56M7D1D	85.47M	40.367M
802.11ax HEW80_Nss2,(MCS0)_2TX	204.16M	113.916M	114MD1D	179.3M	82.506M
802.11ax HEW160_Nss2,(MCS0)_2TX	317.68M	161.439M	161MD1D	311.52M	158.383M

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

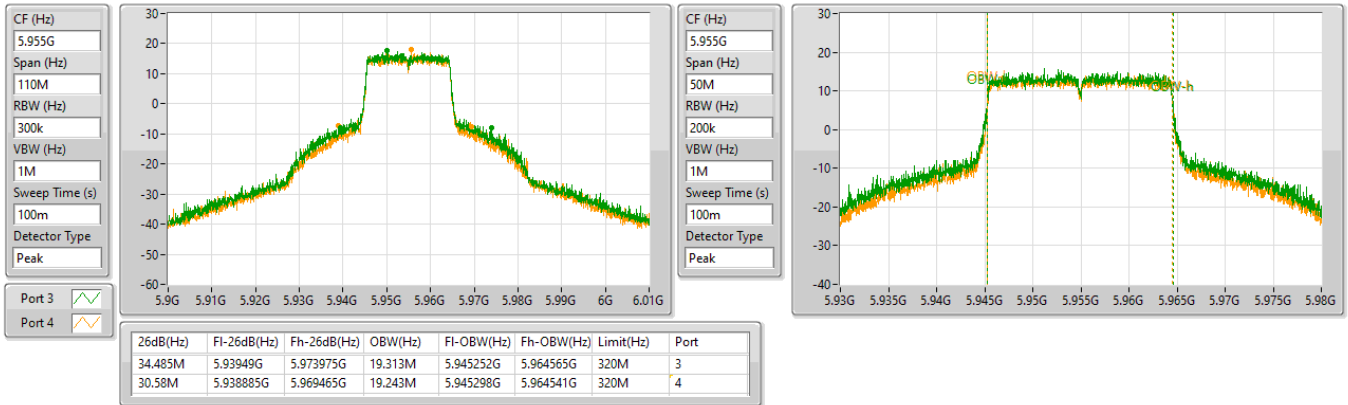
Result

Mode	Result	Limit (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	320M	34.485M	19.313M	30.58M	19.243M
6195MHz	Pass	320M	39.71M	19.669M	37.07M	19.445M
6415MHz	Pass	320M	43.34M	19.741M	35.805M	19.336M
6535MHz	Pass	320M	43.395M	19.589M	34.65M	19.36M
6695MHz	Pass	320M	47.905M	25.502M	44.275M	20.582M
6855MHz	Pass	320M	51.26M	27.015M	47.355M	22.11M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	320M	69.3M	38.215M	66.44M	38.076M
6205MHz	Pass	320M	85.14M	40.916M	80.96M	38.367M
6405MHz	Pass	320M	83.49M	39.164M	75.68M	38.337M
6565MHz	Pass	320M	97.79M	46.213M	85.47M	40.367M
6685MHz	Pass	320M	101.86M	52.82M	90.97M	43.114M
6845MHz	Pass	320M	98.01M	56.738M	91.63M	50.781M
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	320M	126.5M	77.93M	95.04M	77.542M
6225MHz	Pass	320M	184.58M	84.483M	175.56M	78.574M
6385MHz	Pass	320M	183.48M	79.781M	157.08M	78.523M
6625MHz	Pass	320M	192.28M	107.225M	179.3M	82.506M
6705MHz	Pass	320M	198M	110.845M	187.66M	85.815M
6785MHz	Pass	320M	204.16M	113.916M	183.92M	92.805M
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	320M	317.68M	159.172M	308.44M	158.871M
6185MHz	Pass	320M	317.68M	169.588M	317.24M	160.357M
6345MHz	Pass	320M	318.56M	159.241M	316.36M	158.189M
6665MHz	Pass	320M	311.52M	161.439M	317.68M	158.383M

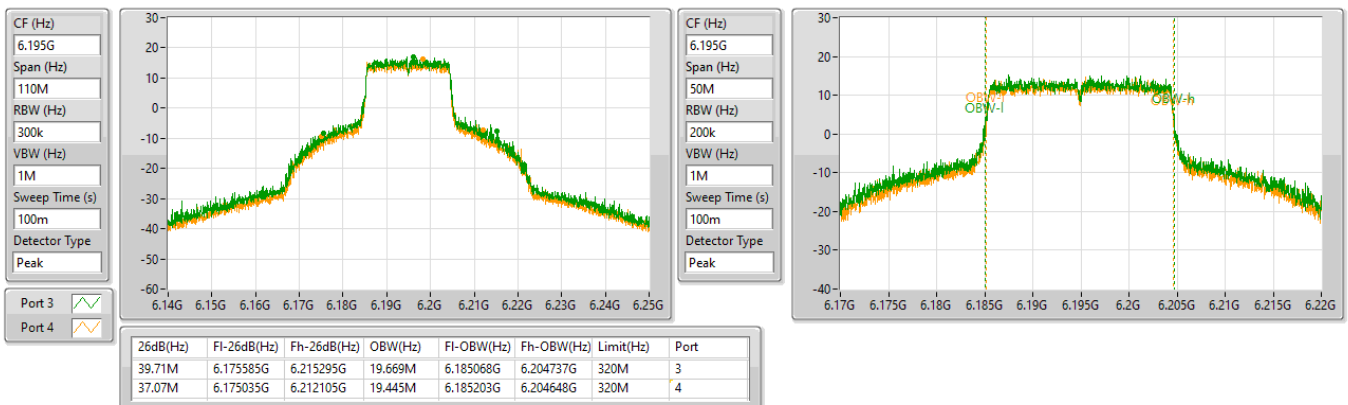
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

14/06/2025


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

16/06/2025

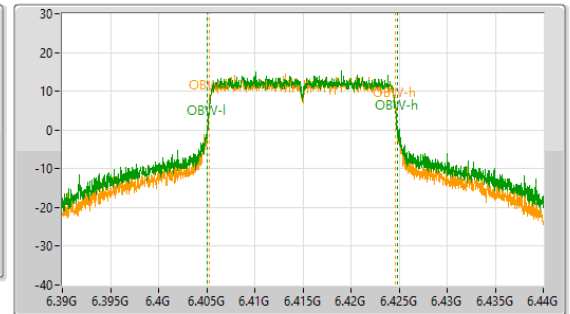
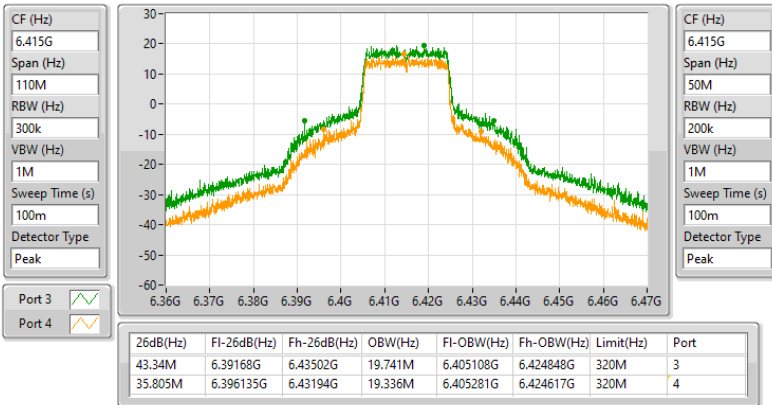


5.925-6.425GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

6415MHz

17/06/2025

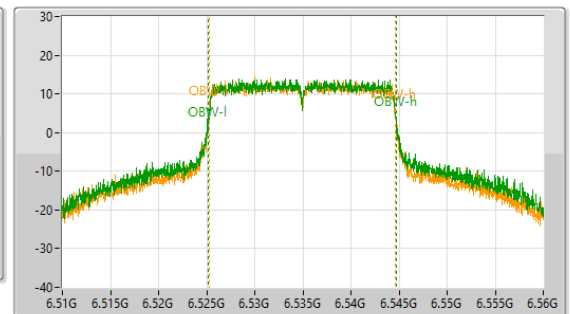
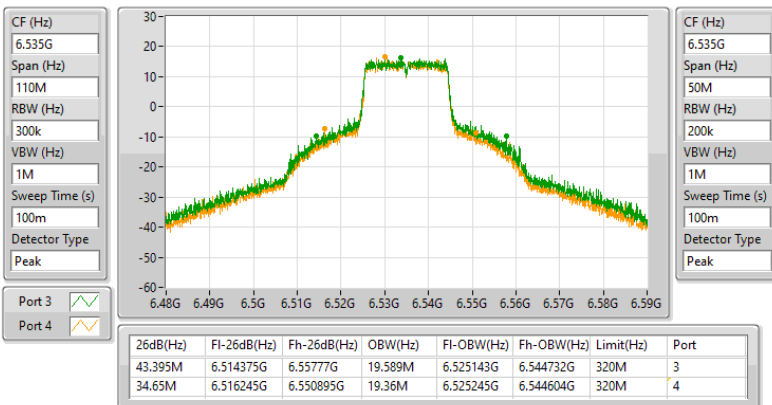


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX

EBW

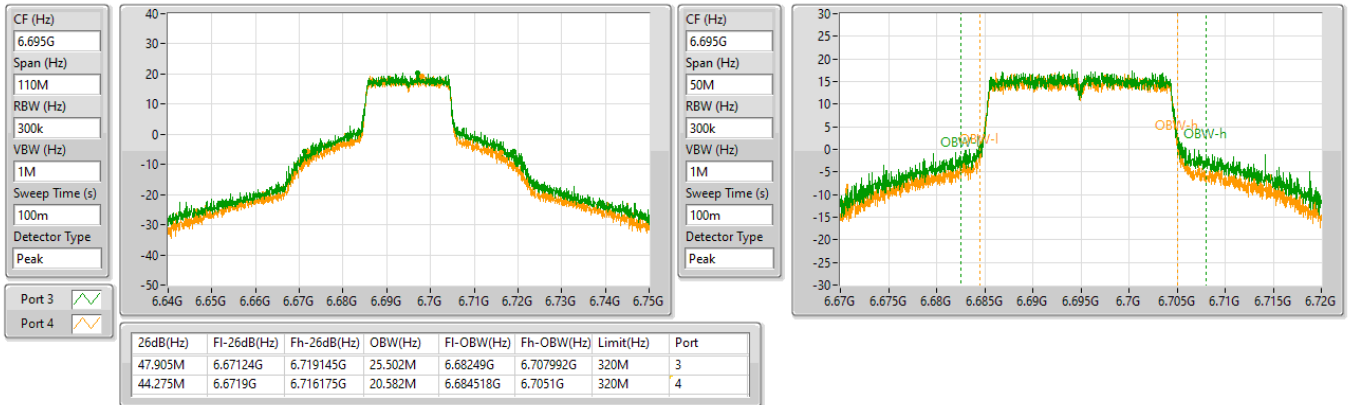
6535MHz

17/06/2025

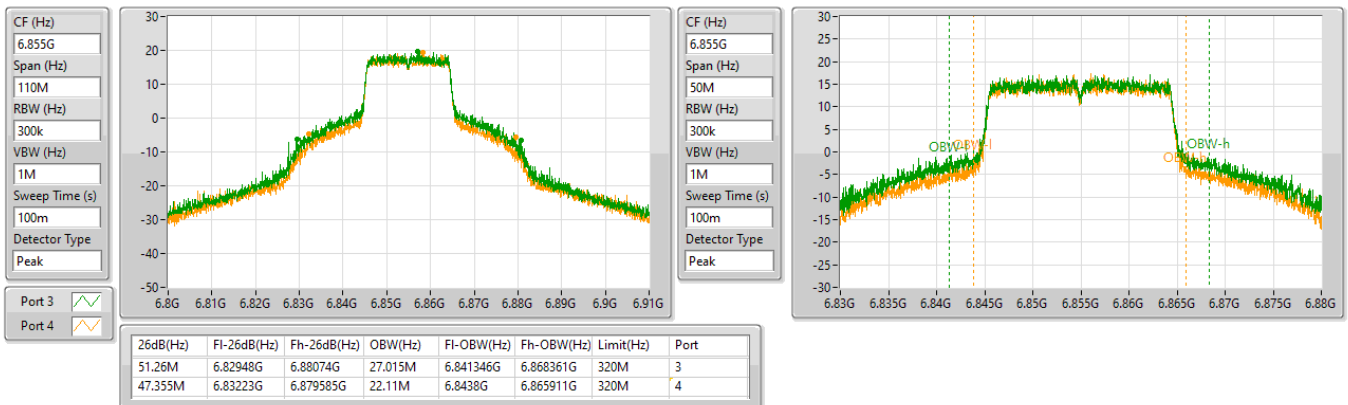


6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6695MHz

14/06/2025

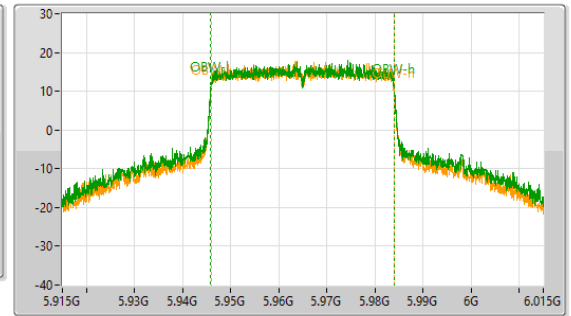
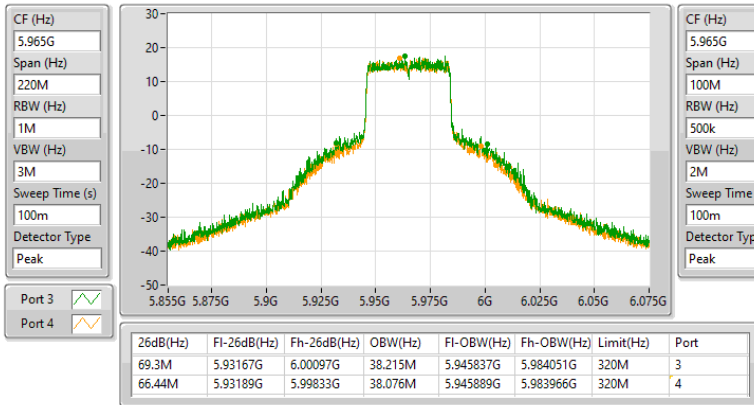

6.525-6.875GHz_802.11ax HEW20_Nss2,(MCS0)_2TX
EBW
6855MHz

14/06/2025

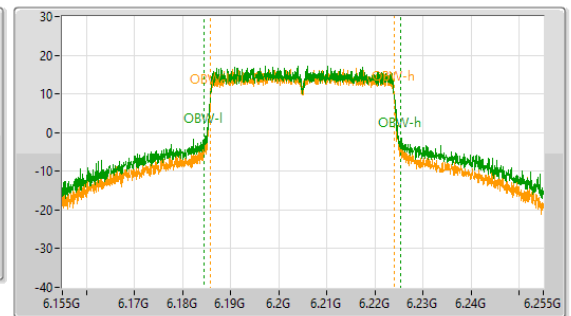
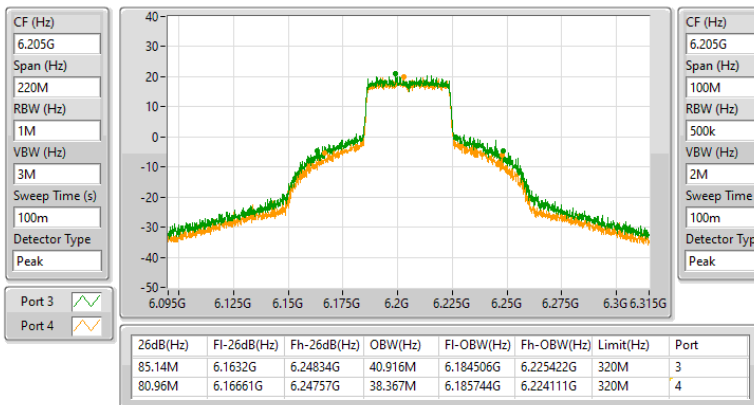


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
5965MHz

14/06/2025

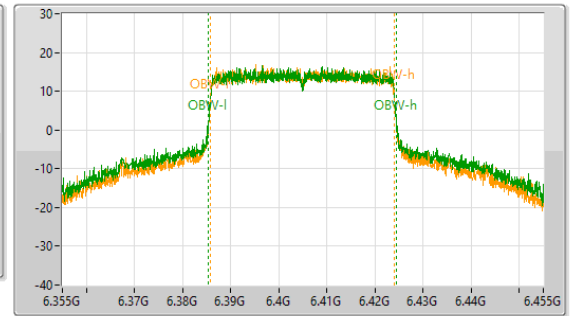
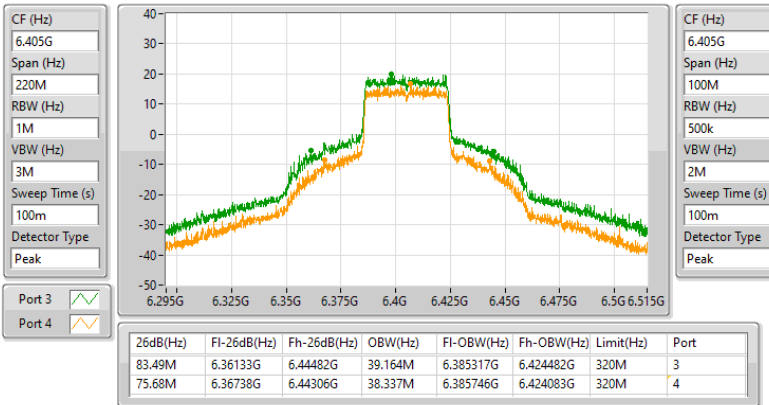

5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6205MHz

16/06/2025

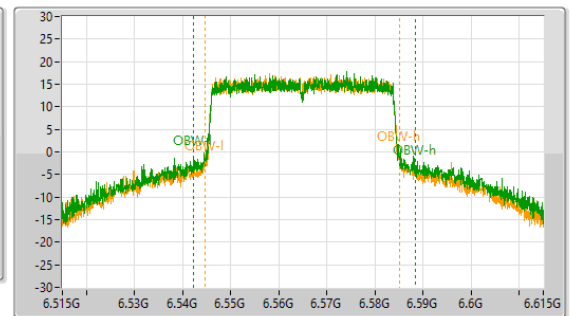
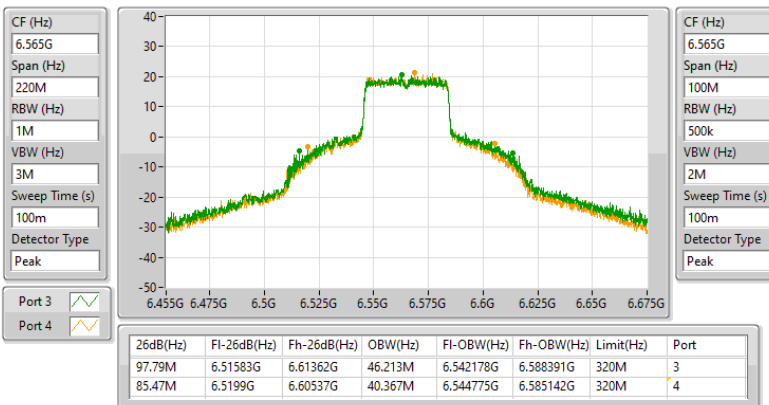


5.925-6.425GHz_802.11ax HEW40_Nss2,(MCS0)_2TX
EBW
6405MHz

17/06/2025


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

14/06/2025

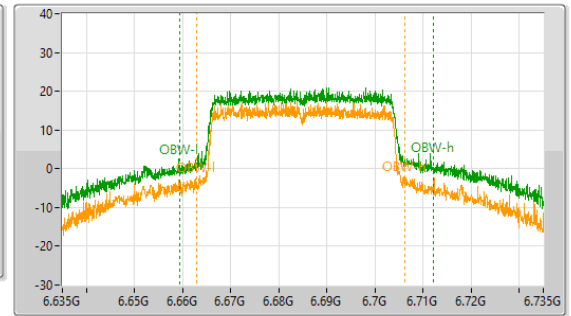
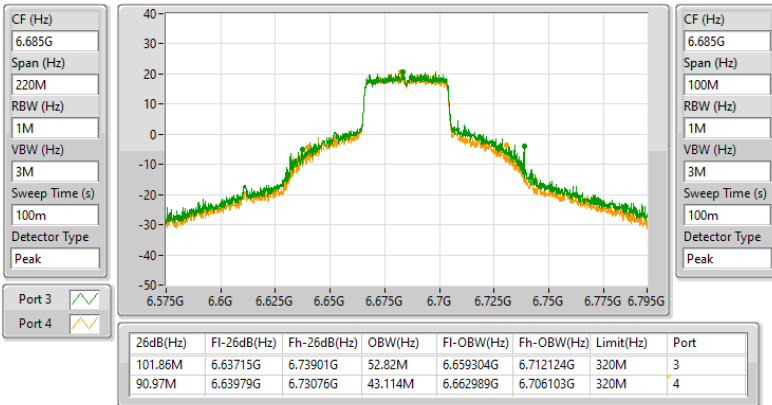


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

6685MHz

14/06/2025

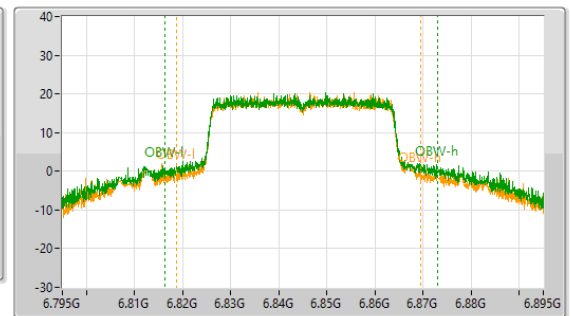
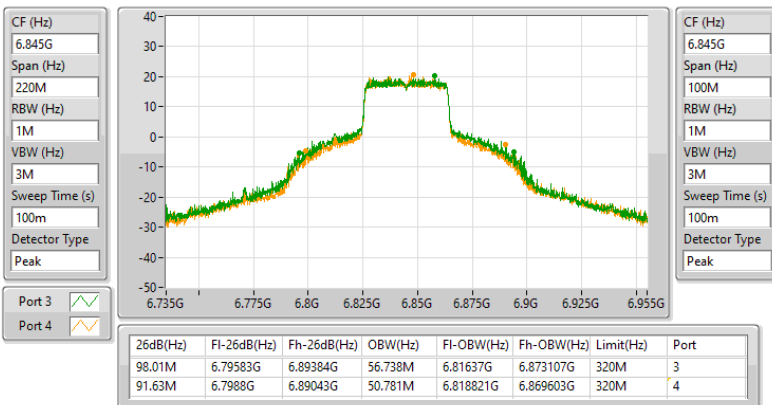


6.525-6.875GHz_802.11ax HEW40_Nss2,(MCS0)_2TX

EBW

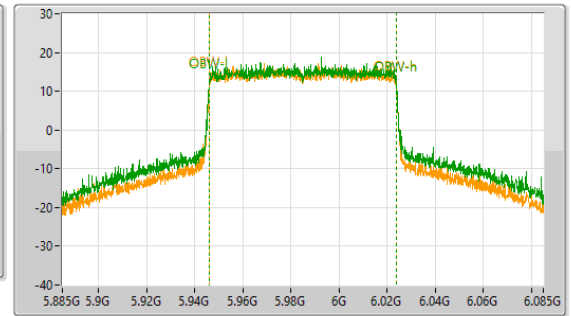
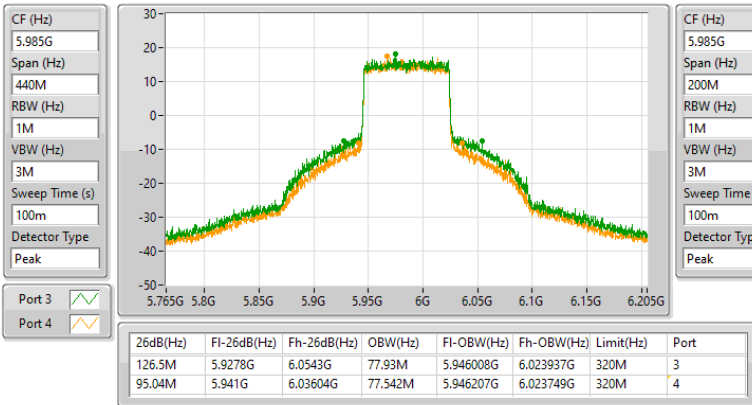
6845MHz

14/06/2025

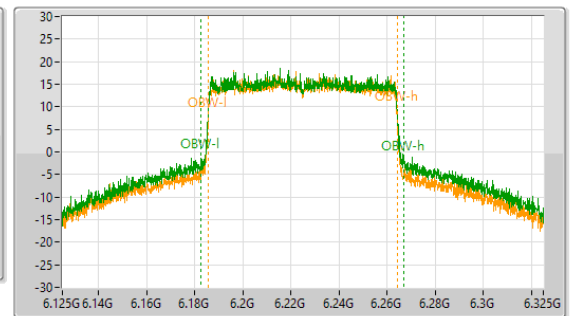
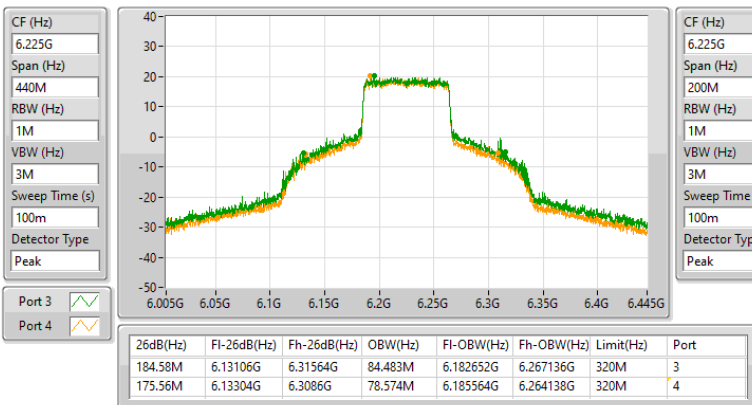


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
5985MHz

14/06/2025

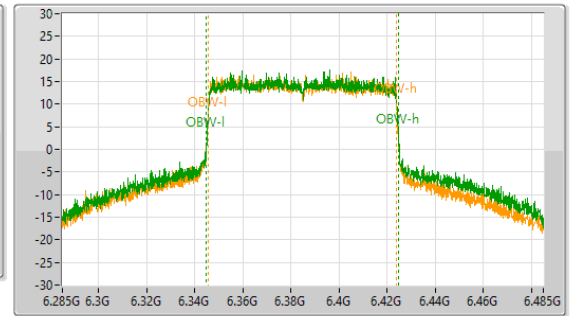
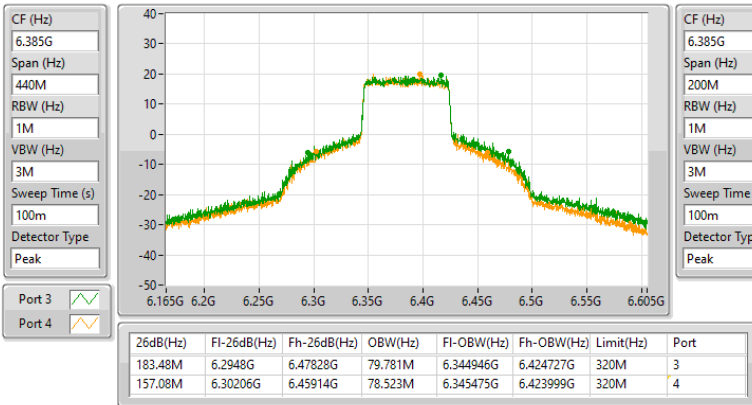

5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6225MHz

16/06/2025

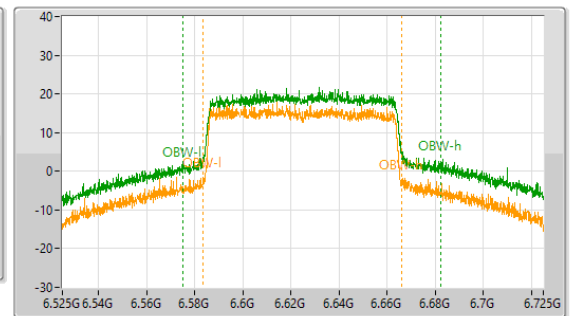
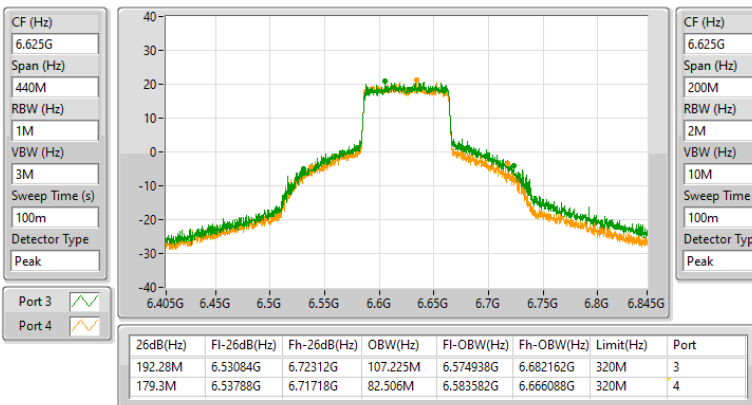


5.925-6.425GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6385MHz

17/06/2025

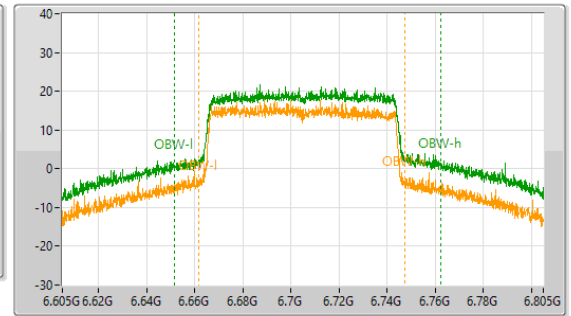
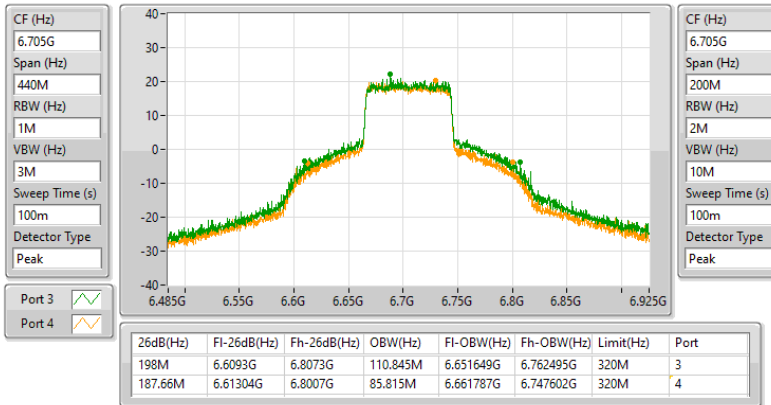

6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6625MHz

14/06/2025

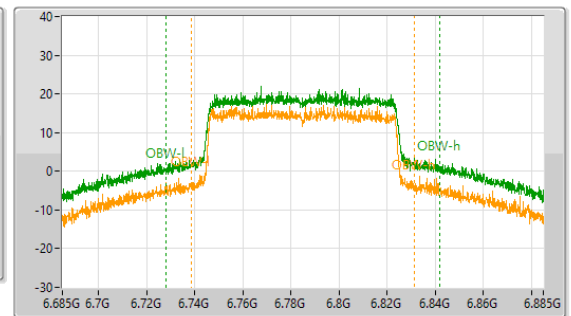
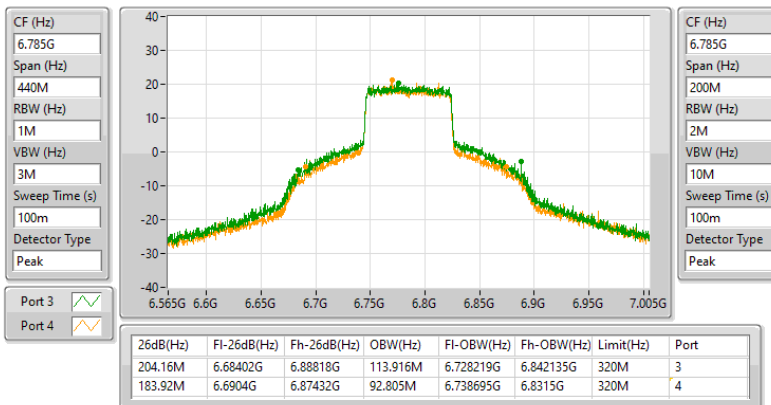


6.525-6.875GHz_802.11ax HEW80_Nss2,(MCS0)_2TX
EBW
6705MHz

14/06/2025


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

14/06/2025

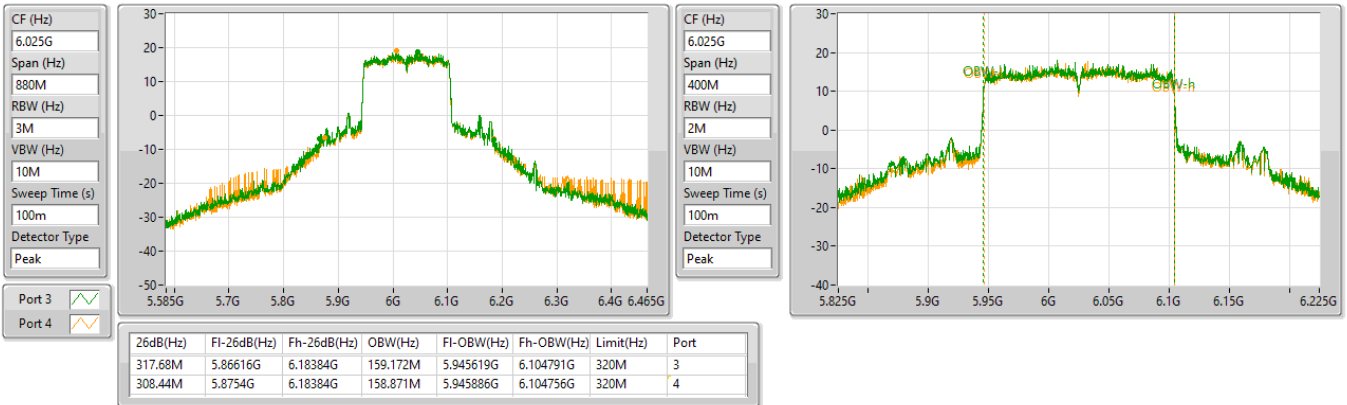


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

6025MHz

16/06/2025

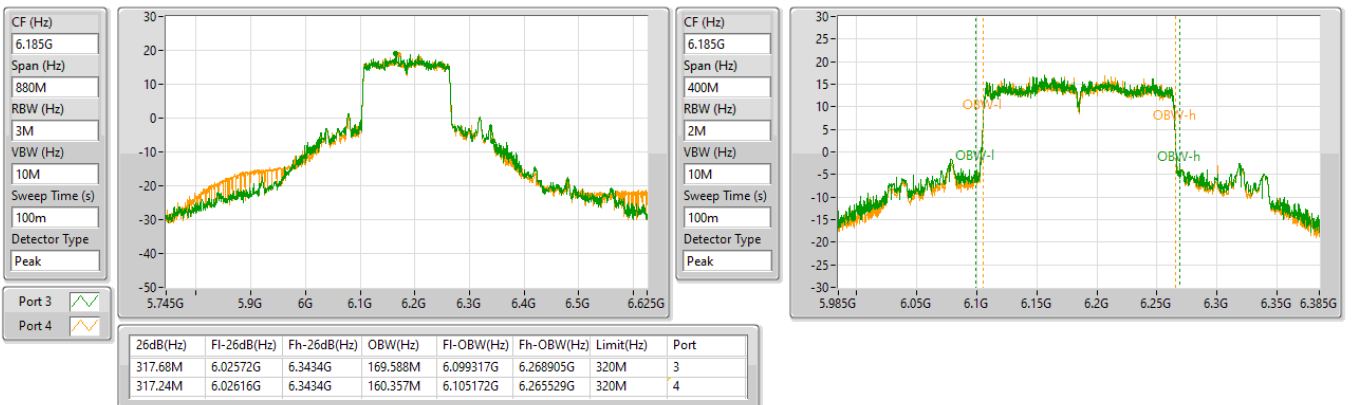


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX

EBW

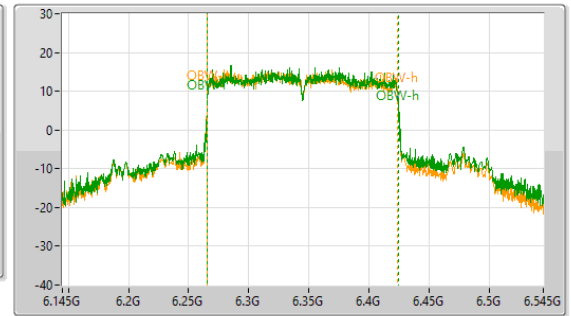
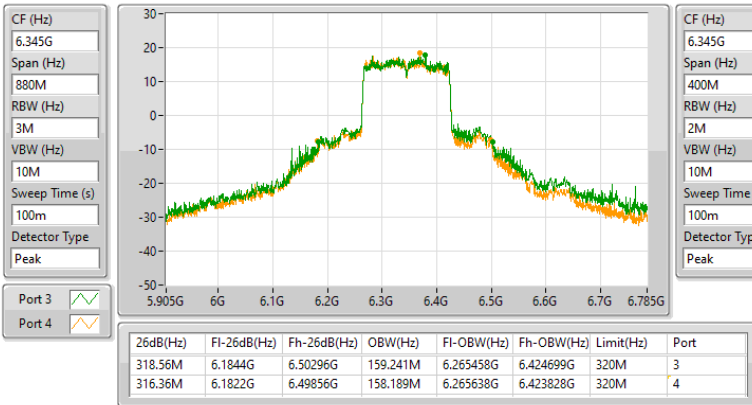
6185MHz

16/06/2025

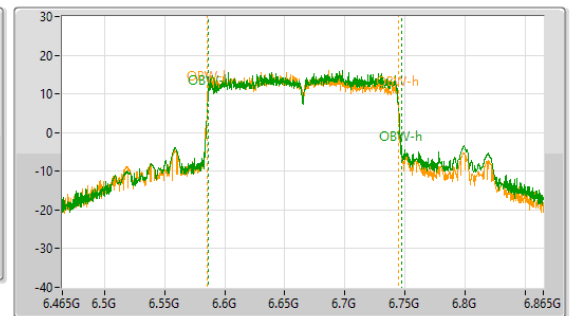
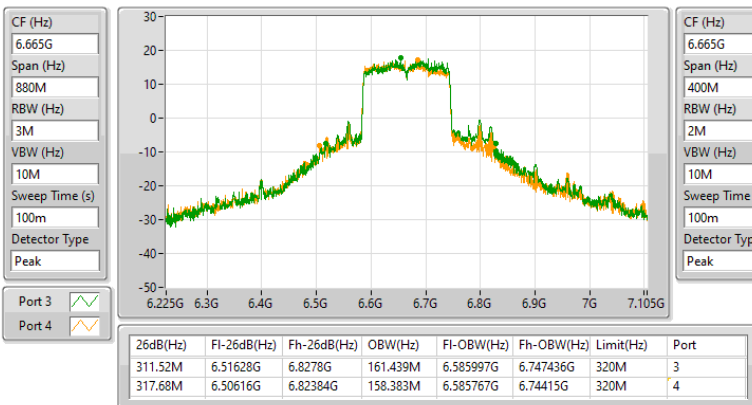


5.925-6.425GHz_802.11ax HEW160_Nss2,(MCS0)_2TX
EBW
6345MHz

17/06/2025


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

16/06/2025



Summary

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	27.02	0.50350
802.11ax HEW20_Nss2,(MCS0)_2TX	28.77	0.75336
802.11ax HEW20_Nss1,(MCS0)_4TX	29.83	0.96161
802.11ax HEW20_Nss4,(MCS0)_4TX	29.96	0.99083
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.75	0.94406
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	32.54	1.79473
802.11ax HEW40_Nss1,(MCS0)_1TX	26.97	0.49774
802.11ax HEW40_Nss2,(MCS0)_2TX	28.63	0.72946
802.11ax HEW40_Nss1,(MCS0)_4TX	30.03	1.00693
802.11ax HEW40_Nss4,(MCS0)_4TX	29.58	0.90782
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	28.73	0.74645
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	33.11	2.04644
802.11ax HEW80_Nss1,(MCS0)_1TX	27.23	0.52845
802.11ax HEW80_Nss2,(MCS0)_2TX	28.69	0.73961
802.11ax HEW80_Nss1,(MCS0)_4TX	29.51	0.89331
802.11ax HEW80_Nss4,(MCS0)_4TX	29.51	0.89331
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	29.13	0.81846
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	31.71	1.48252
802.11ax HEW160_Nss1,(MCS0)_1TX	26.08	0.40551
802.11ax HEW160_Nss2,(MCS0)_2TX	27.14	0.51761
802.11ax HEW160_Nss1,(MCS0)_4TX	26.83	0.48195
802.11ax HEW160_Nss4,(MCS0)_4TX	26.88	0.48753
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	26.14	0.41115
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	30.73	1.18304
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	26.79	0.47753
802.11ax HEW20_Nss2,(MCS0)_2TX	30.52	1.12720
802.11ax HEW20_Nss1,(MCS0)_4TX	31.07	1.27938
802.11ax HEW20_Nss4,(MCS0)_4TX	31.65	1.46218
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	31.95	1.56675
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	30.63	1.15611
802.11ax HEW40_Nss1,(MCS0)_1TX	27.12	0.51523
802.11ax HEW40_Nss2,(MCS0)_2TX	29.51	0.89331
802.11ax HEW40_Nss1,(MCS0)_4TX	30.46	1.11173
802.11ax HEW40_Nss4,(MCS0)_4TX	30.24	1.05682
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	31.47	1.40281
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	33.38	2.17771
802.11ax HEW80_Nss1,(MCS0)_1TX	26.91	0.49091
802.11ax HEW80_Nss2,(MCS0)_2TX	29.50	0.89125
802.11ax HEW80_Nss1,(MCS0)_4TX	29.38	0.86696
802.11ax HEW80_Nss4,(MCS0)_4TX	30.42	1.10154
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	28.22	0.66374
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	32.12	1.62930
802.11ax HEW160_Nss1,(MCS0)_1TX	23.94	0.24774

Mode	EIRP (dBm)	EIRP (W)
802.11ax HEW160_Nss2,(MCS0)_2TX	24.33	0.27102
802.11ax HEW160_Nss1,(MCS0)_4TX	25.85	0.38459
802.11ax HEW160_Nss4,(MCS0)_4TX	25.10	0.32359
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	23.85	0.24266
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	29.48	0.88716

Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	24.99	36.00
6195MHz	Pass	26.66	36.00
6415MHz	Pass	27.02	36.00
6535MHz	Pass	26.56	36.00
6695MHz	Pass	26.79	36.00
6855MHz	Pass	26.41	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	25.46	36.00
6205MHz	Pass	26.97	36.00
6405MHz	Pass	25.99	36.00
6565MHz	Pass	27.03	36.00
6685MHz	Pass	27.12	36.00
6845MHz	Pass	26.72	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	25.35	36.00
6225MHz	Pass	27.23	36.00
6385MHz	Pass	26.17	36.00
6625MHz	Pass	26.83	36.00
6705MHz	Pass	26.91	36.00
6785MHz	Pass	26.84	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	23.78	36.00
6185MHz	Pass	25.73	36.00
6345MHz	Pass	26.08	36.00
6665MHz	Pass	23.94	36.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-
5955MHz	Pass	26.35	36.00
6195MHz	Pass	28.02	36.00
6415MHz	Pass	28.77	36.00
6535MHz	Pass	28.55	36.00
6695MHz	Pass	30.52	36.00
6855MHz	Pass	28.56	36.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-
5965MHz	Pass	24.78	36.00
6205MHz	Pass	28.09	36.00
6405MHz	Pass	28.63	36.00
6565MHz	Pass	29.51	36.00
6685MHz	Pass	29.21	36.00
6845MHz	Pass	28.12	36.00
802.11ax HEW80_Nss2,(MCS0)_2TX	-	-	-
5985MHz	Pass	24.00	36.00
6225MHz	Pass	28.15	36.00
6385MHz	Pass	28.69	36.00
6625MHz	Pass	29.50	36.00
6705MHz	Pass	28.88	36.00
6785MHz	Pass	28.57	36.00
802.11ax HEW160_Nss2,(MCS0)_2TX	-	-	-
6025MHz	Pass	22.37	36.00
6185MHz	Pass	25.18	36.00
6345MHz	Pass	27.14	36.00
6665MHz	Pass	24.33	36.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	27.56	36.00
6195MHz	Pass	29.41	36.00

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
6415MHz	Pass	29.83	36.00
6535MHz	Pass	27.93	36.00
6695MHz	Pass	31.07	36.00
6855MHz	Pass	30.31	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	25.63	36.00
6205MHz	Pass	29.51	36.00
6405MHz	Pass	30.03	36.00
6565MHz	Pass	30.46	36.00
6685MHz	Pass	29.88	36.00
6845MHz	Pass	29.29	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	24.90	36.00
6225MHz	Pass	29.51	36.00
6385MHz	Pass	28.66	36.00
6625MHz	Pass	29.38	36.00
6705MHz	Pass	29.29	36.00
6785MHz	Pass	28.93	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	25.70	36.00
6185MHz	Pass	26.47	36.00
6345MHz	Pass	26.83	36.00
6665MHz	Pass	25.85	36.00
802.11ax HEW20_Nss4,(MCS0)_4TX	-	-	-
5955MHz	Pass	27.60	36.00
6195MHz	Pass	29.25	36.00
6415MHz	Pass	29.96	36.00
6535MHz	Pass	28.09	36.00
6695MHz	Pass	31.65	36.00
6855MHz	Pass	30.43	36.00
802.11ax HEW40_Nss4,(MCS0)_4TX	-	-	-
5965MHz	Pass	25.78	36.00
6205MHz	Pass	29.58	36.00
6405MHz	Pass	28.78	36.00
6565MHz	Pass	30.24	36.00
6685MHz	Pass	29.96	36.00
6845MHz	Pass	29.19	36.00
802.11ax HEW80_Nss4,(MCS0)_4TX	-	-	-
5985MHz	Pass	25.24	36.00
6225MHz	Pass	29.51	36.00
6385MHz	Pass	29.20	36.00
6625MHz	Pass	30.42	36.00
6705MHz	Pass	29.87	36.00
6785MHz	Pass	28.42	36.00
802.11ax HEW160_Nss4,(MCS0)_4TX	-	-	-
6025MHz	Pass	25.14	36.00
6185MHz	Pass	26.76	36.00
6345MHz	Pass	26.88	36.00
6665MHz	Pass	25.10	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	27.68	36.00
6195MHz	Pass	28.41	36.00
6415MHz	Pass	29.75	36.00
6535MHz	Pass	27.68	36.00
6695MHz	Pass	31.33	36.00
6855MHz	Pass	31.95	36.00

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	27.08	36.00
6205MHz	Pass	27.42	36.00
6405MHz	Pass	28.73	36.00
6565MHz	Pass	28.83	36.00
6685MHz	Pass	29.13	36.00
6845MHz	Pass	31.47	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	25.86	36.00
6225MHz	Pass	29.13	36.00
6385MHz	Pass	28.46	36.00
6625MHz	Pass	28.22	36.00
6705MHz	Pass	28.02	36.00
6785MHz	Pass	27.29	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	25.08	36.00
6185MHz	Pass	26.14	36.00
6345MHz	Pass	21.54	36.00
6665MHz	Pass	23.85	36.00
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	31.17	36.00
6195MHz	Pass	32.54	36.00
6415MHz	Pass	31.28	36.00
6535MHz	Pass	29.90	36.00
6695MHz	Pass	30.63	36.00
6855MHz	Pass	27.99	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	28.59	36.00
6205MHz	Pass	33.11	36.00
6405MHz	Pass	29.43	36.00
6565MHz	Pass	32.06	36.00
6685MHz	Pass	32.77	36.00
6845MHz	Pass	33.38	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	27.45	36.00
6225MHz	Pass	31.71	36.00
6385MHz	Pass	31.30	36.00
6625MHz	Pass	32.12	36.00
6705MHz	Pass	30.79	36.00
6785MHz	Pass	30.90	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	28.04	36.00
6185MHz	Pass	30.73	36.00
6345MHz	Pass	30.15	36.00
6665MHz	Pass	29.48	36.00

DG = Directional Gain; Port X = Port X output power
 Inf = There's no restriction for the limit.

24/06/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:5955MHz;TX

CF Freq
5.955GHz

Span
50MHz

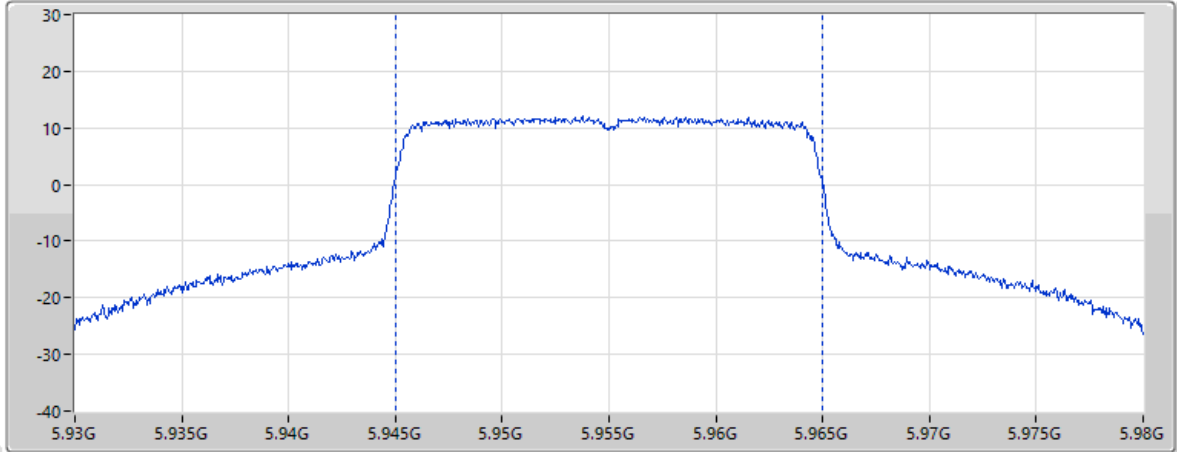
RBW
1MHz

VBW
3MHz

Sweep Time
1.01ms

Detector Type
RMS

CP BW
20MHz



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EIRP (dBm)
24.99

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.09	13.30	7.29	34.63	57.54

24/06/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6195MHz;TX

CF Freq
6.195GHz

Span
50MHz

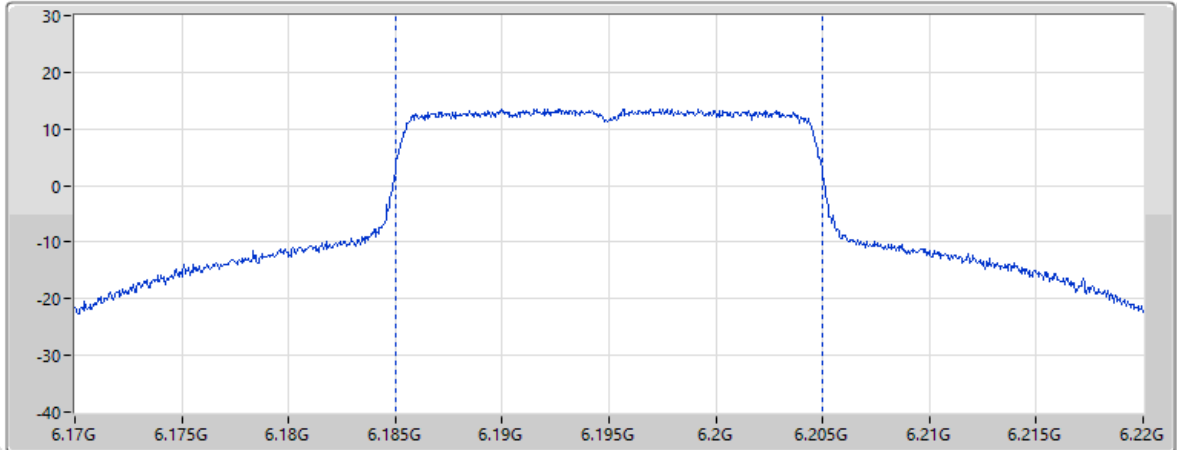
RBW
1MHz

VBW
3MHz

Sweep Time
1.01ms

Detector Type
RMS

CP BW
20MHz



Page 9

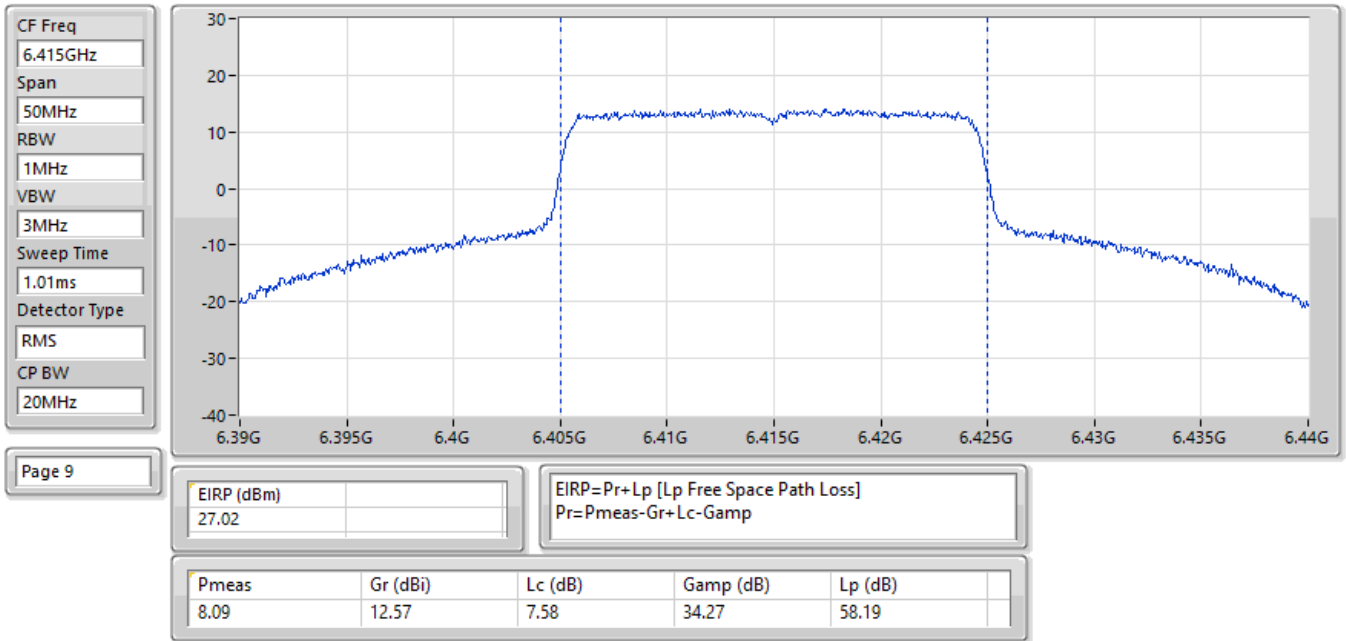
EIRP (dBm)
26.66

EIRP=Pr+Lp [Lp Free Space Path Loss]
Pr=Pmeas-Gr+Lc-Gamp

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.05	13.21	7.43	34.49	57.88

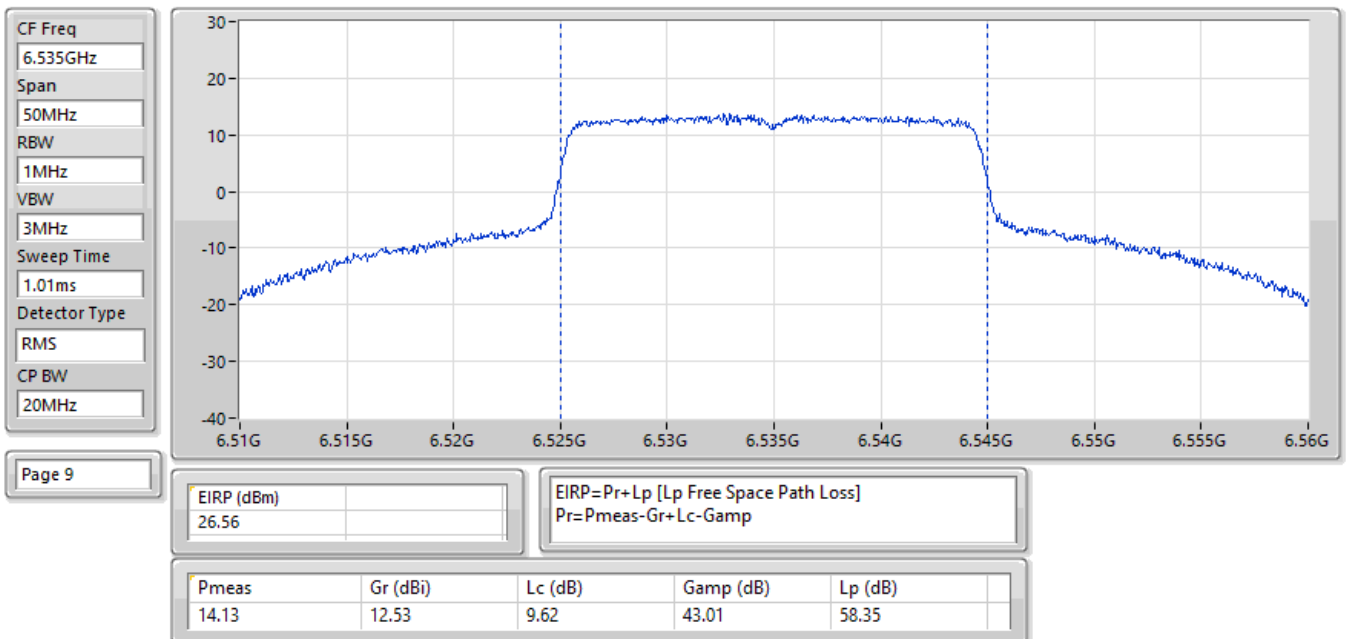
24/06/2025

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



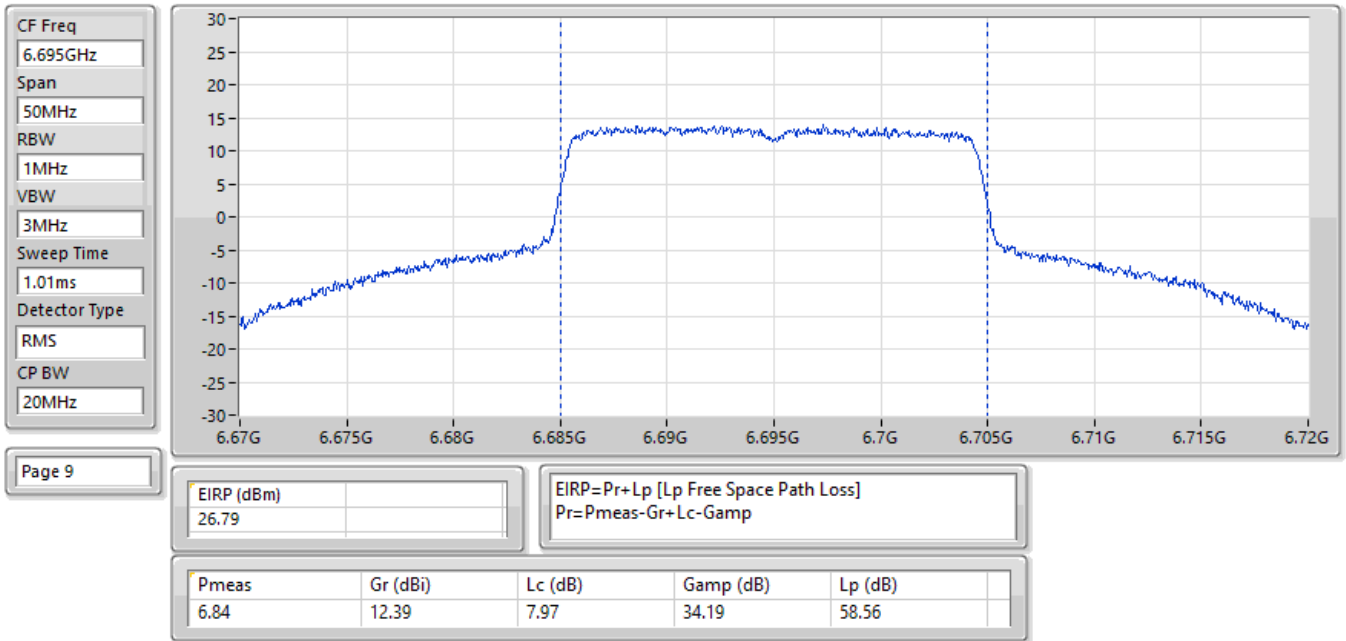
24/06/2025

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



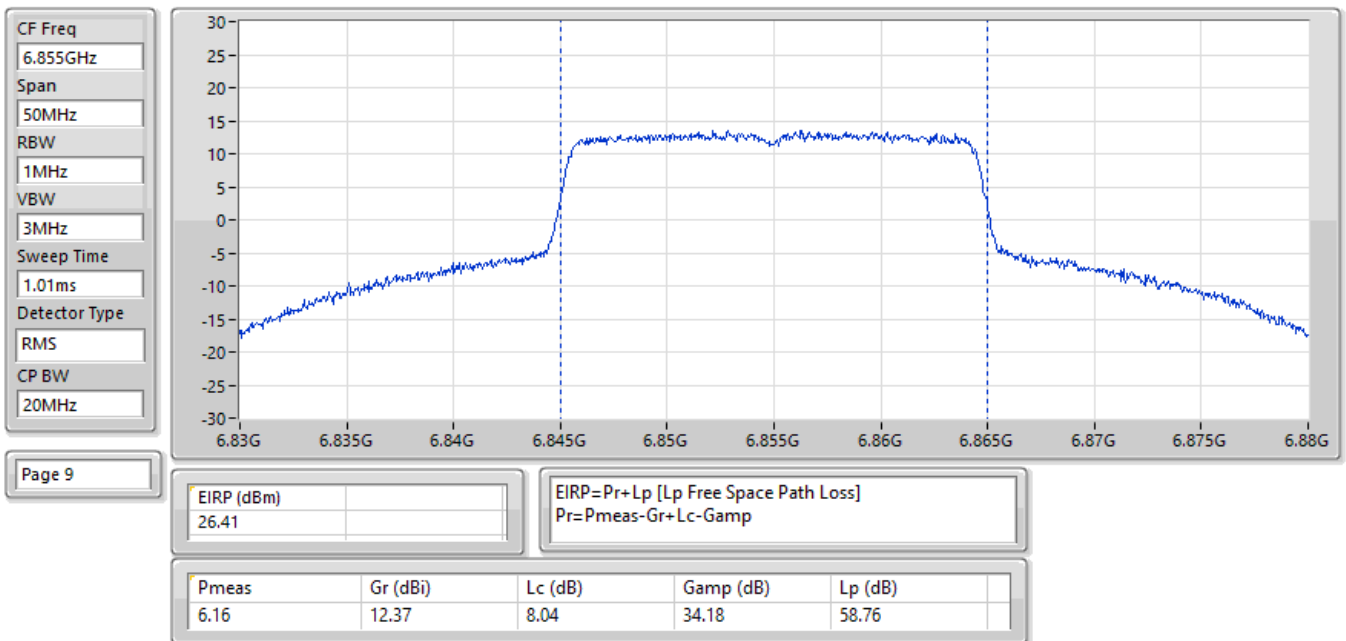
24/06/2025

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



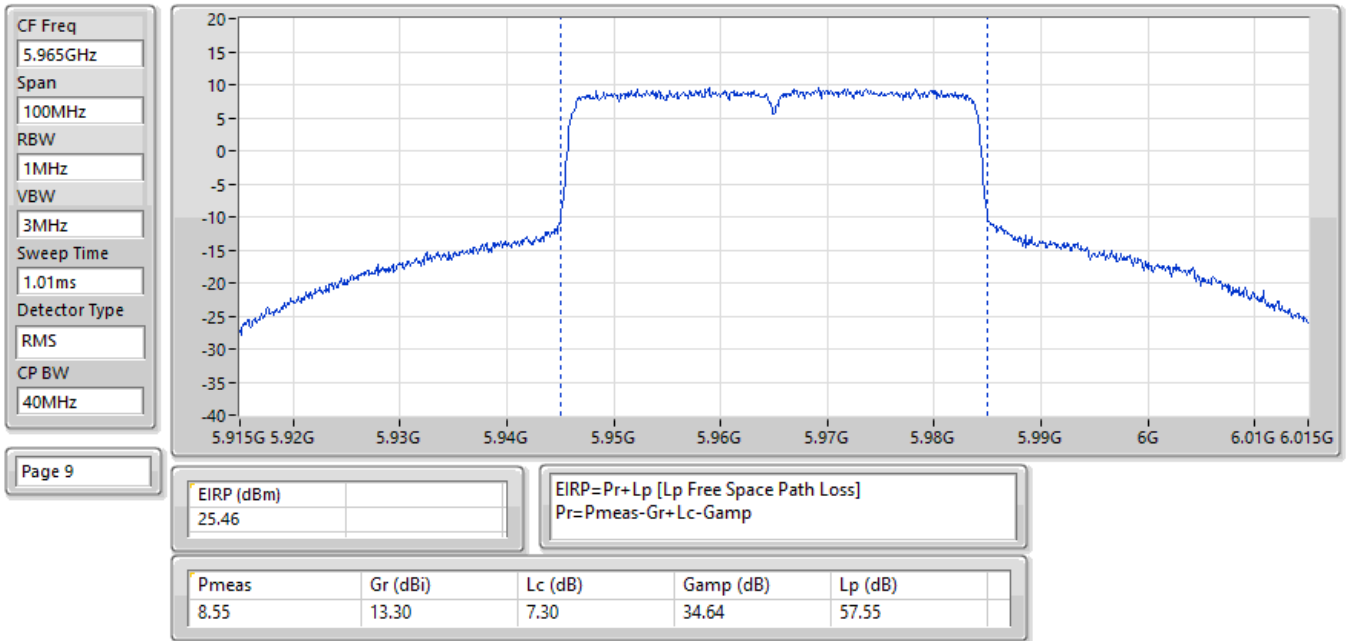
24/06/2025

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



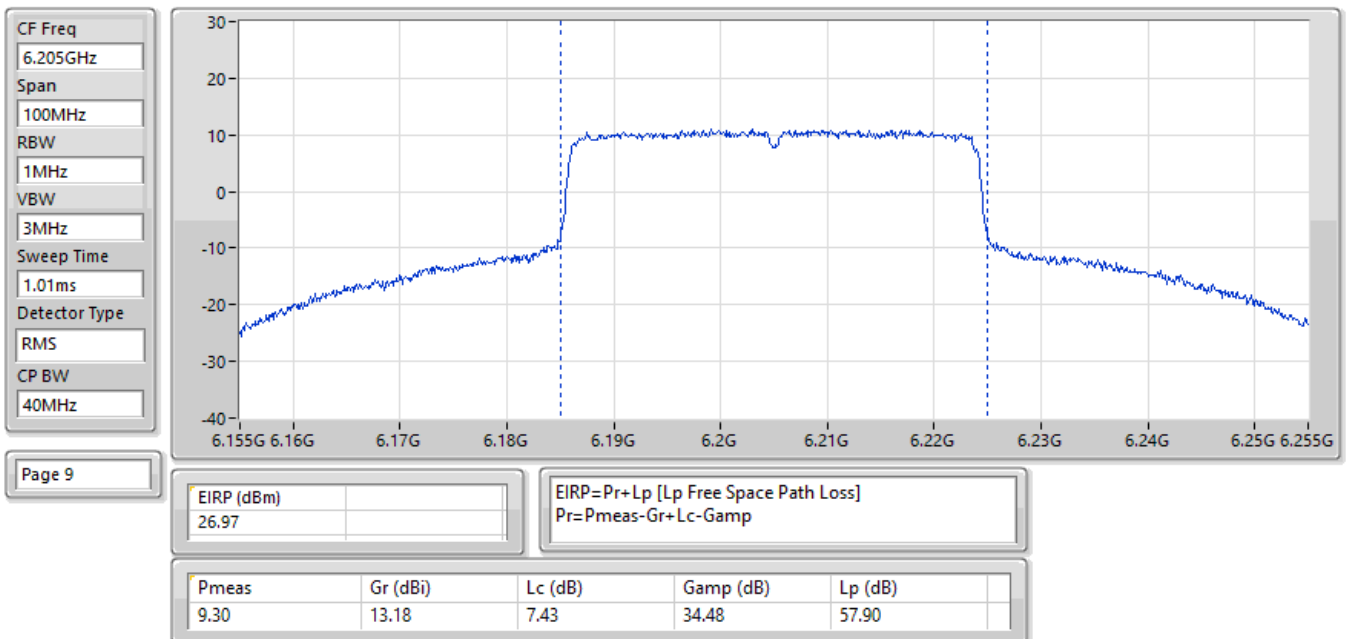
24/05/2025

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



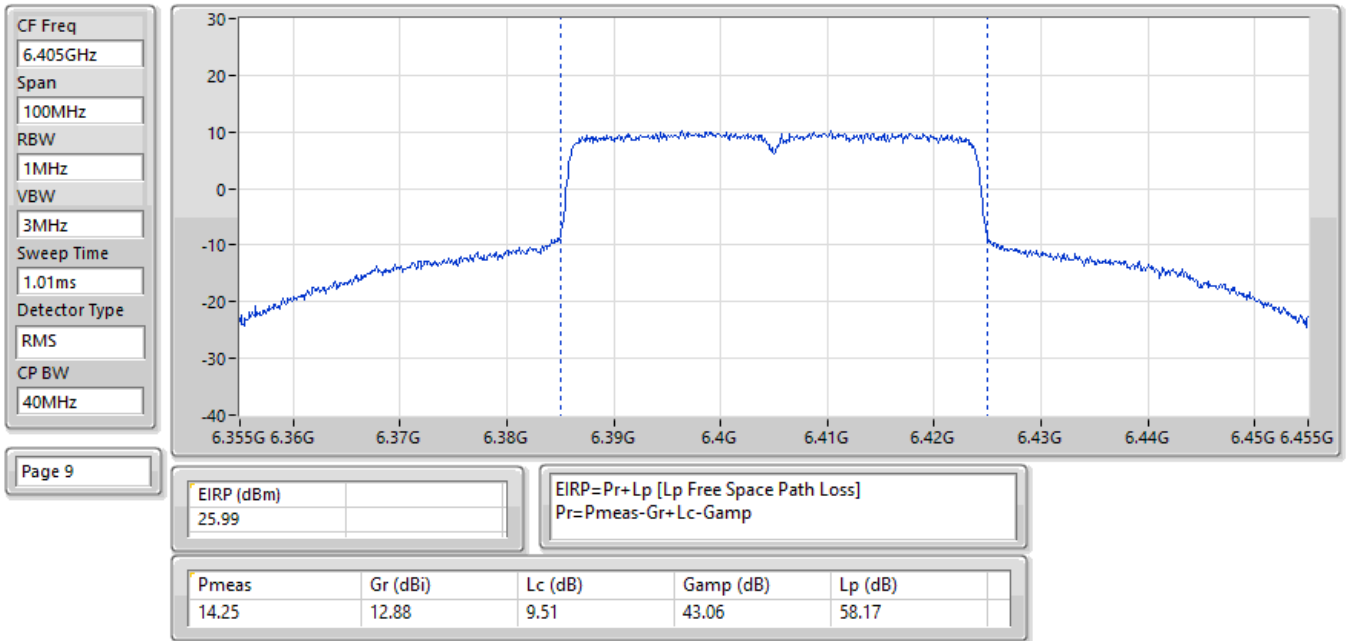
24/06/2025

EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6205MHz;TX



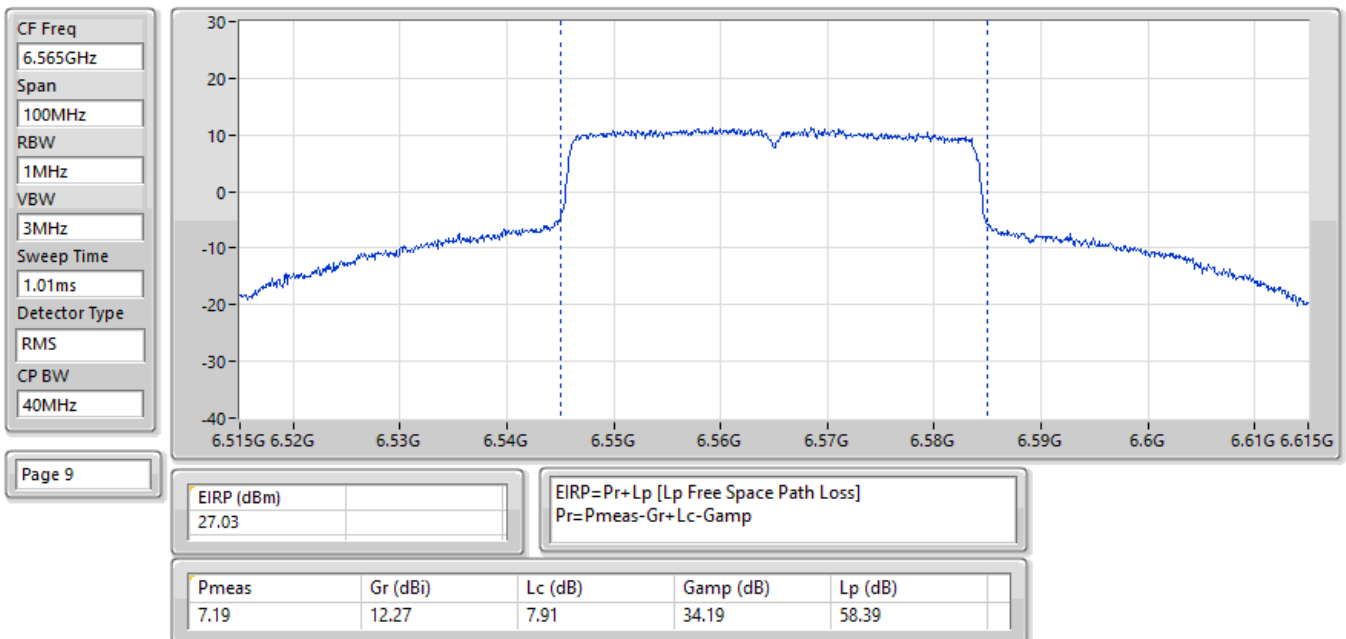
21/06/2025

EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6405MHz;TX



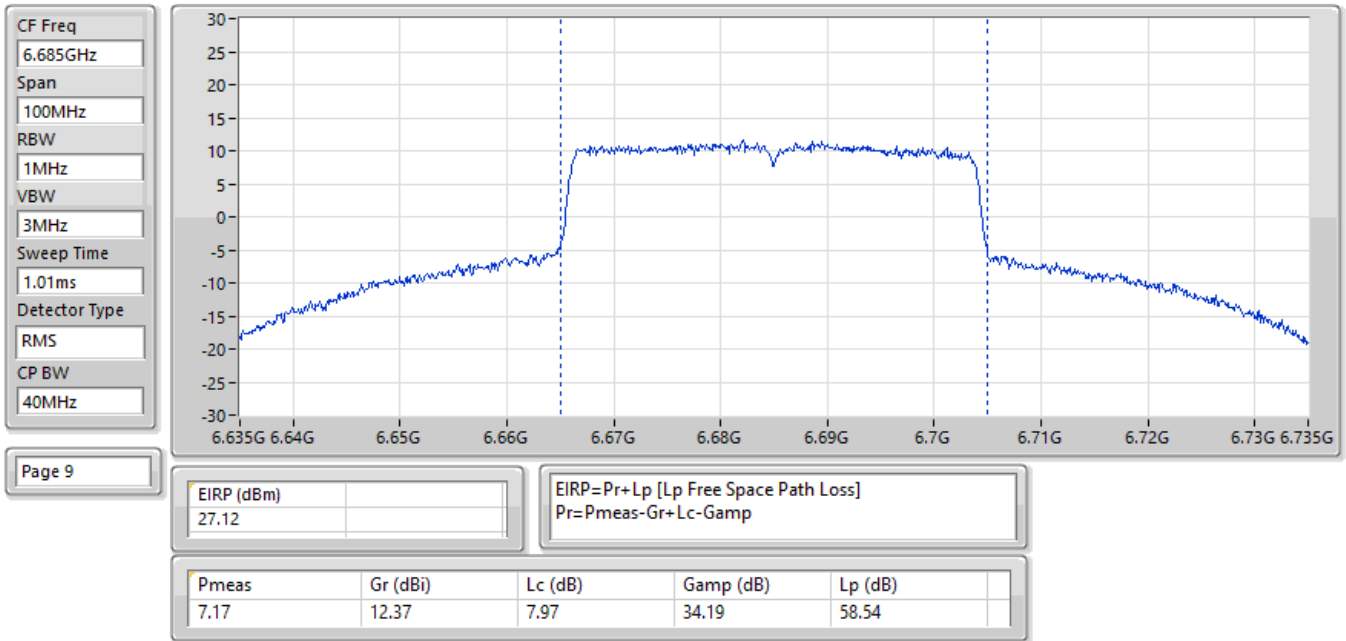
24/06/2025

EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6565MHz;TX



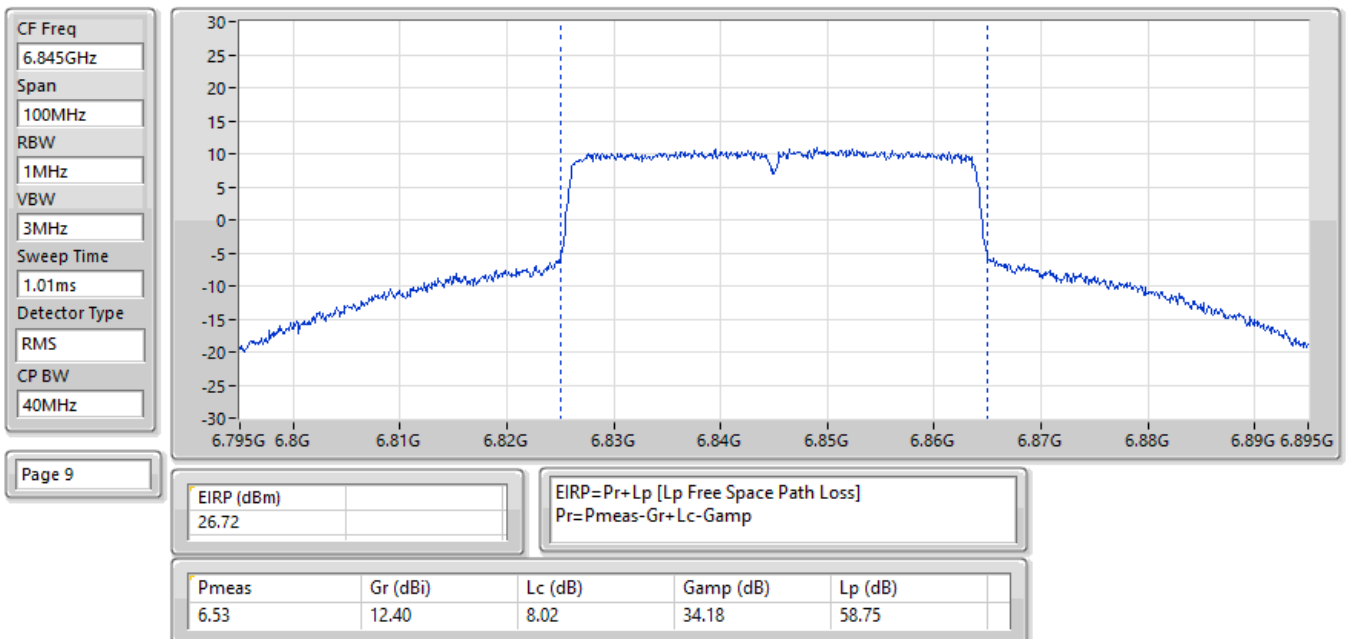
24/06/2025

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



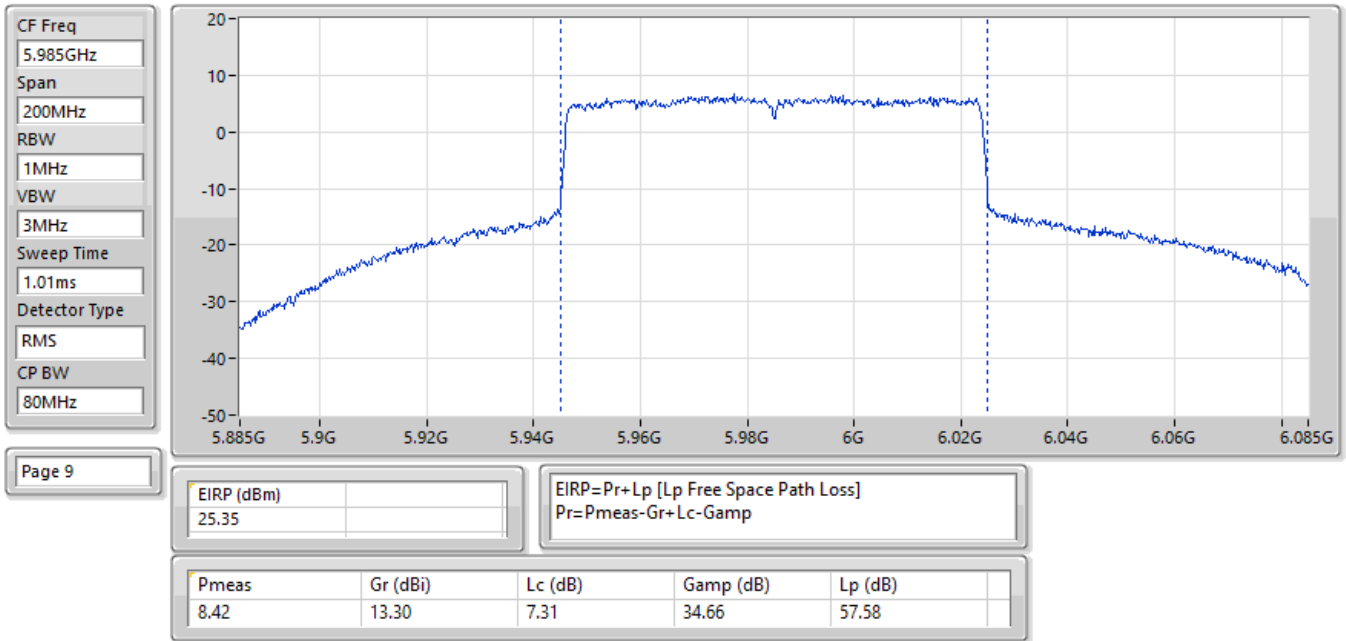
24/06/2025

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



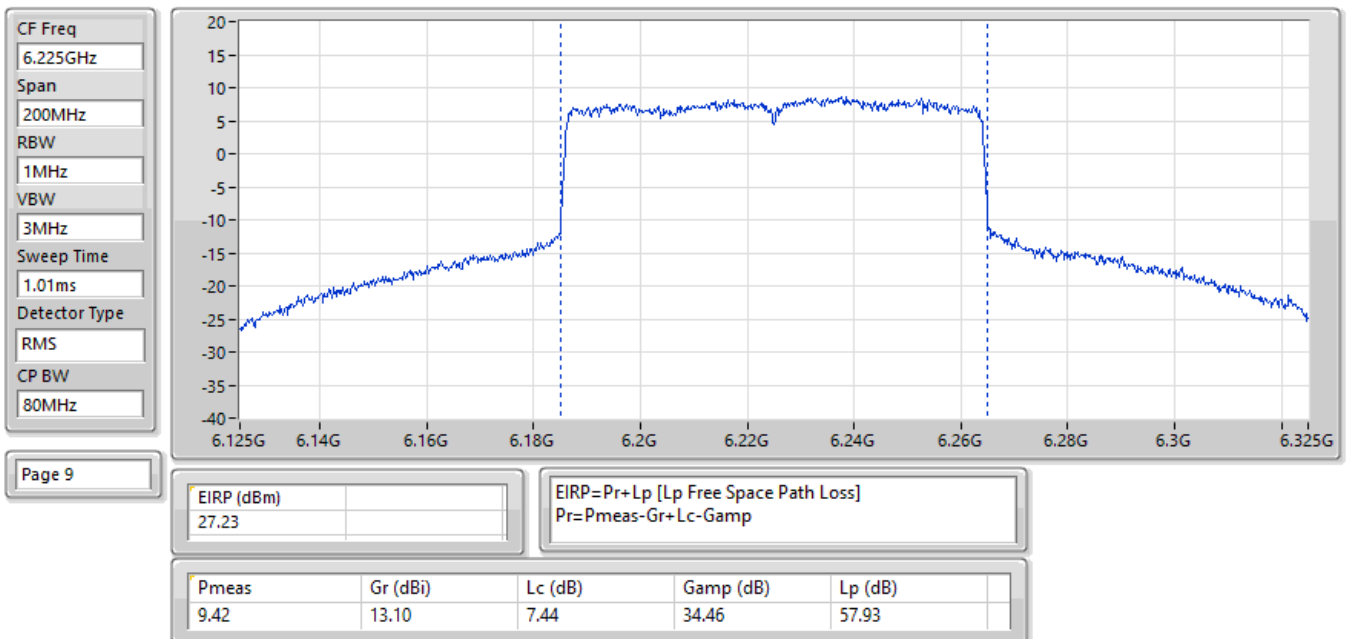
24/05/2025

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



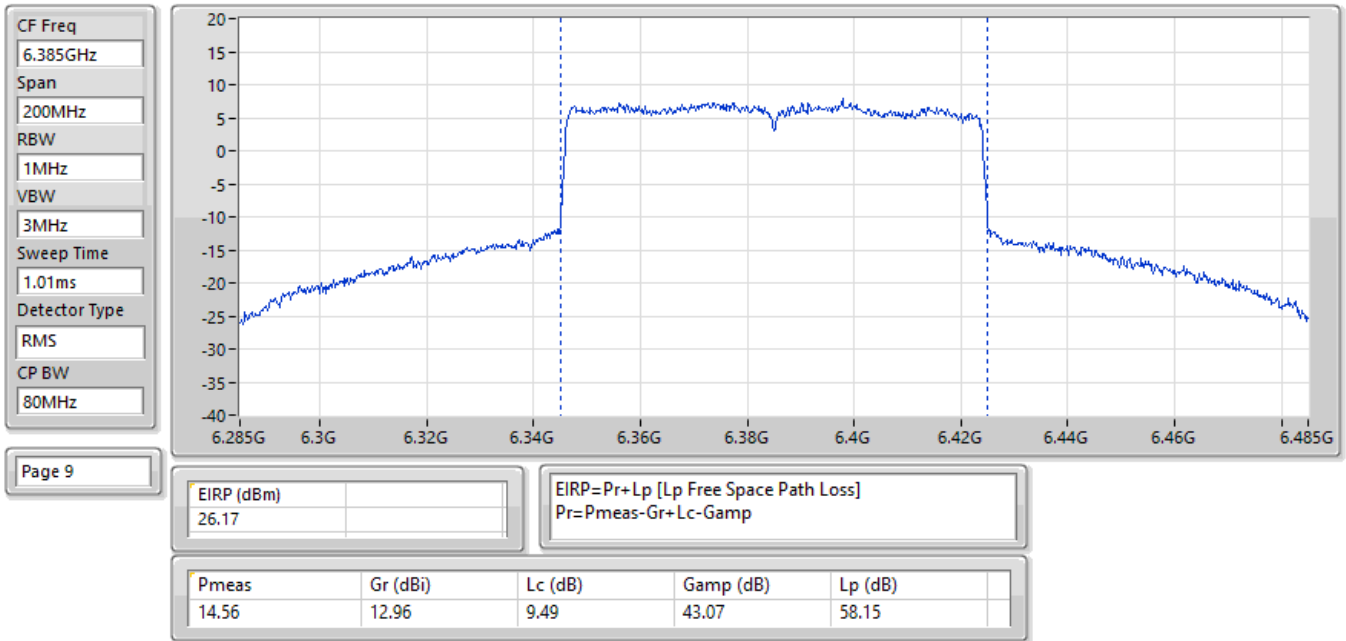
24/06/2025

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



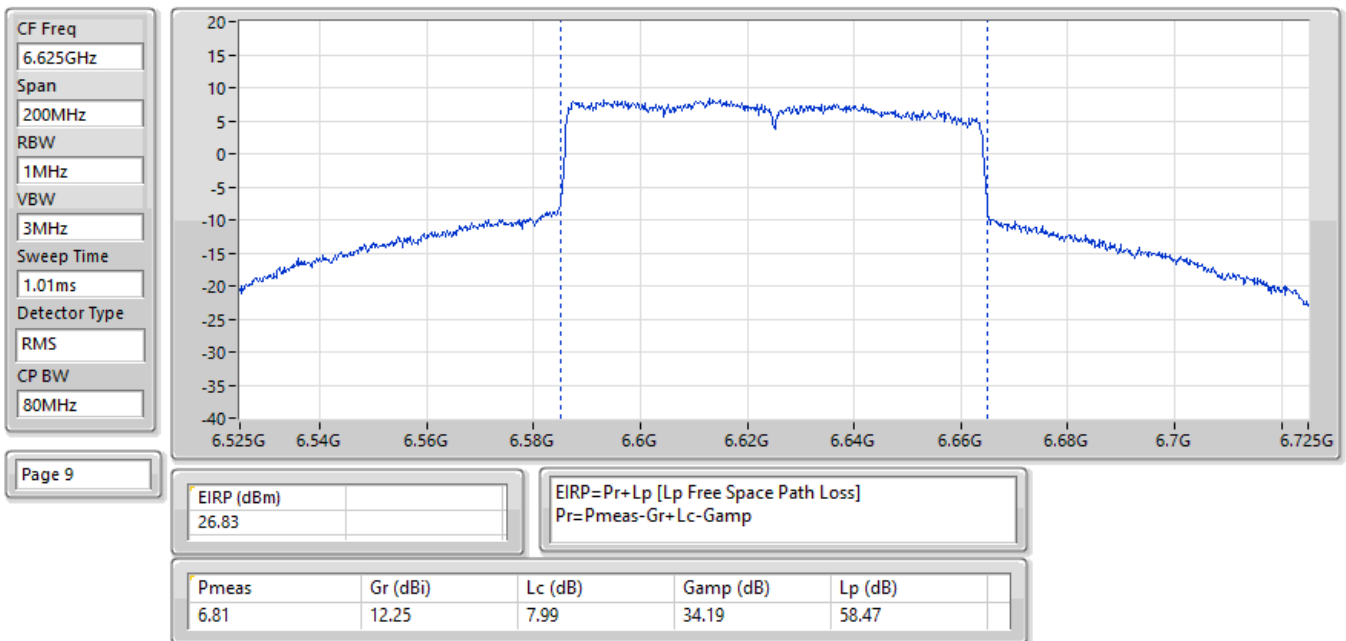
04/06/2025

EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6385MHz;TX



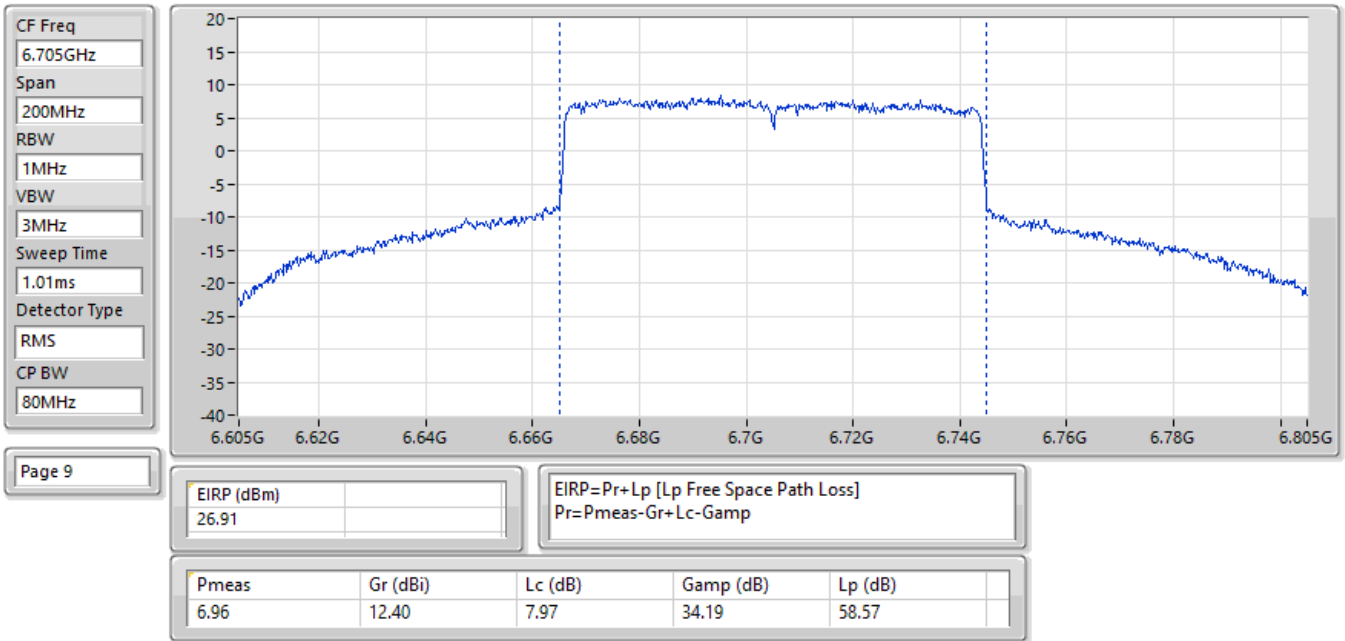
24/06/2025

EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6625MHz;TX



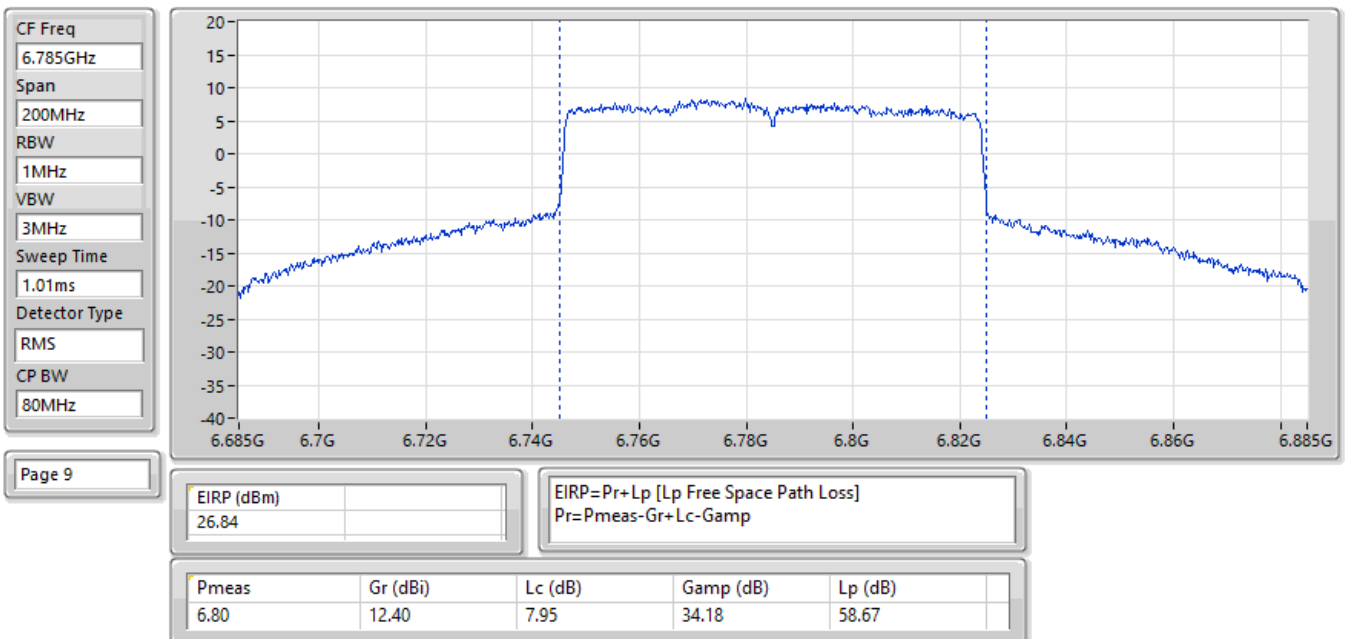
24/06/2025

EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6705MHz;TX



24/06/2025

EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6785MHz;TX



12/06/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6025MHz;TX

CF Freq
6.025GHz

Span
400MHz

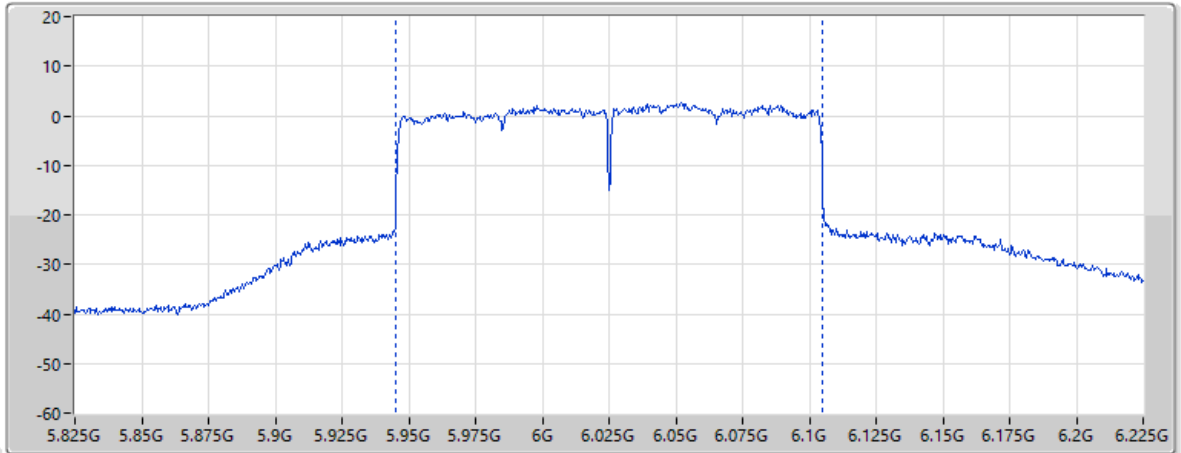
RBW
1MHz

VBW
3MHz

Sweep Time
1.01ms

Detector Type
RMS

CP BW
160MHz



Page 9

EIRP (dBm)		EIRP=Pr+Lp [Lp Free Space Path Loss] Pr=Pmeas-Gr+Lc-Gamp		
23.78				
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.77	13.30	7.33	34.66	57.64

04/06/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6185MHz;TX

CF Freq
6.185GHz

Span
400MHz

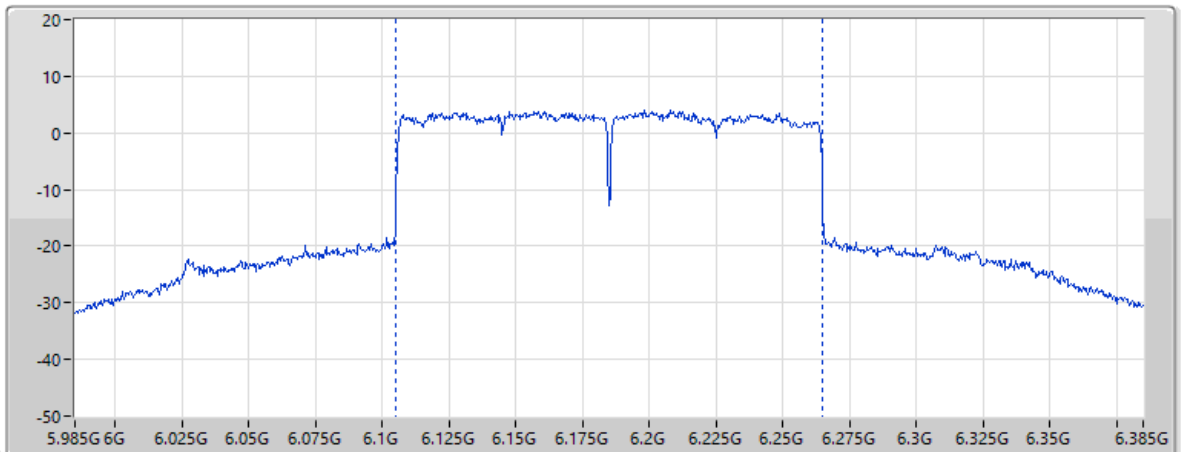
RBW
1MHz

VBW
3MHz

Sweep Time
1.01ms

Detector Type
RMS

CP BW
160MHz

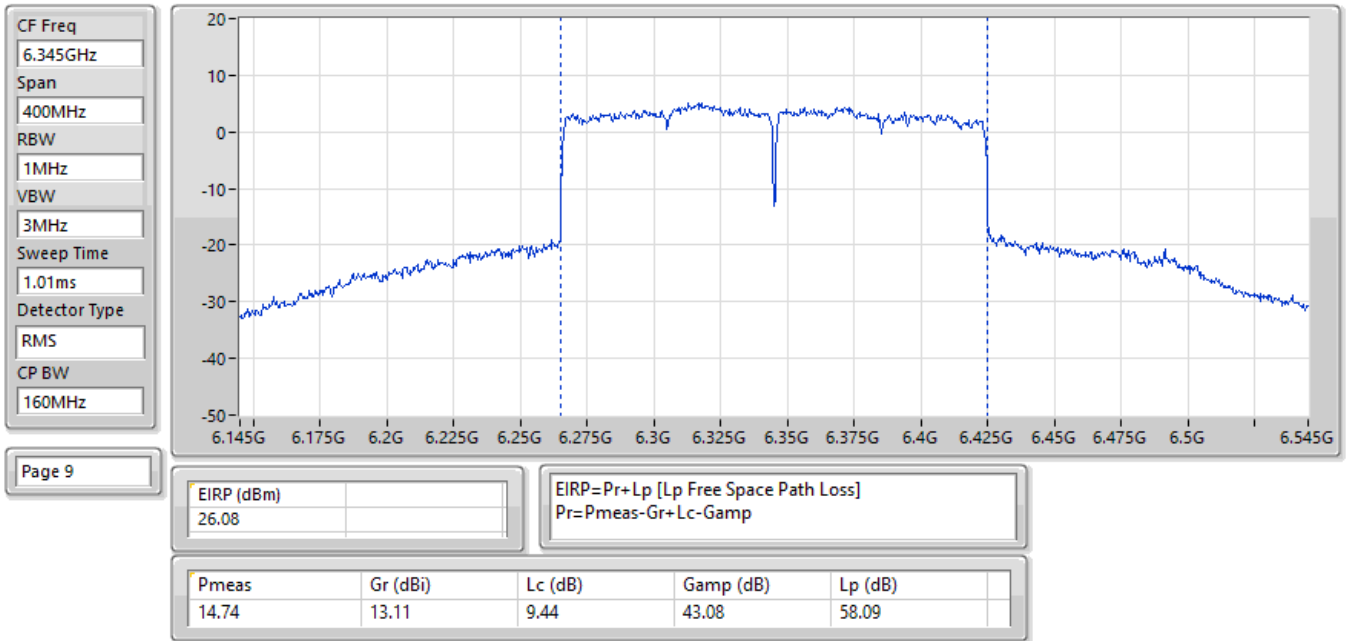


Page 9

EIRP (dBm)		EIRP=Pr+Lp [Lp Free Space Path Loss] Pr=Pmeas-Gr+Lc-Gamp		
25.73				
Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
15.07	13.33	9.26	43.14	57.87

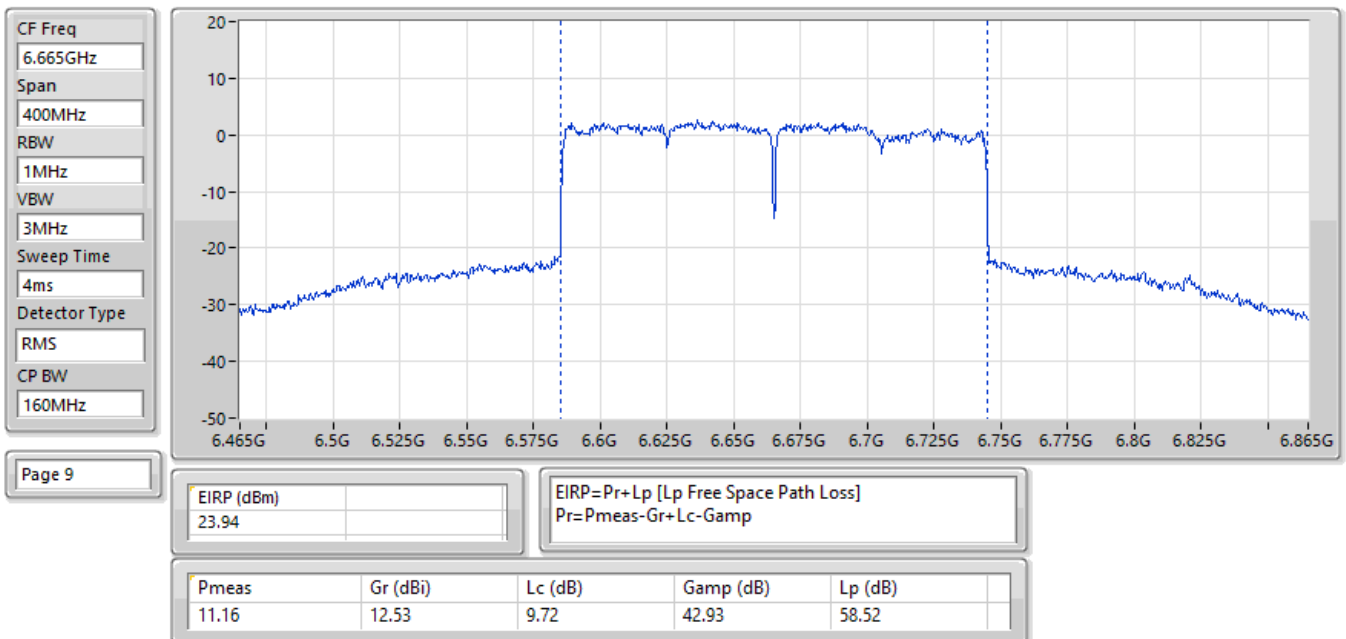
04/06/2025

EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6345MHz;TX



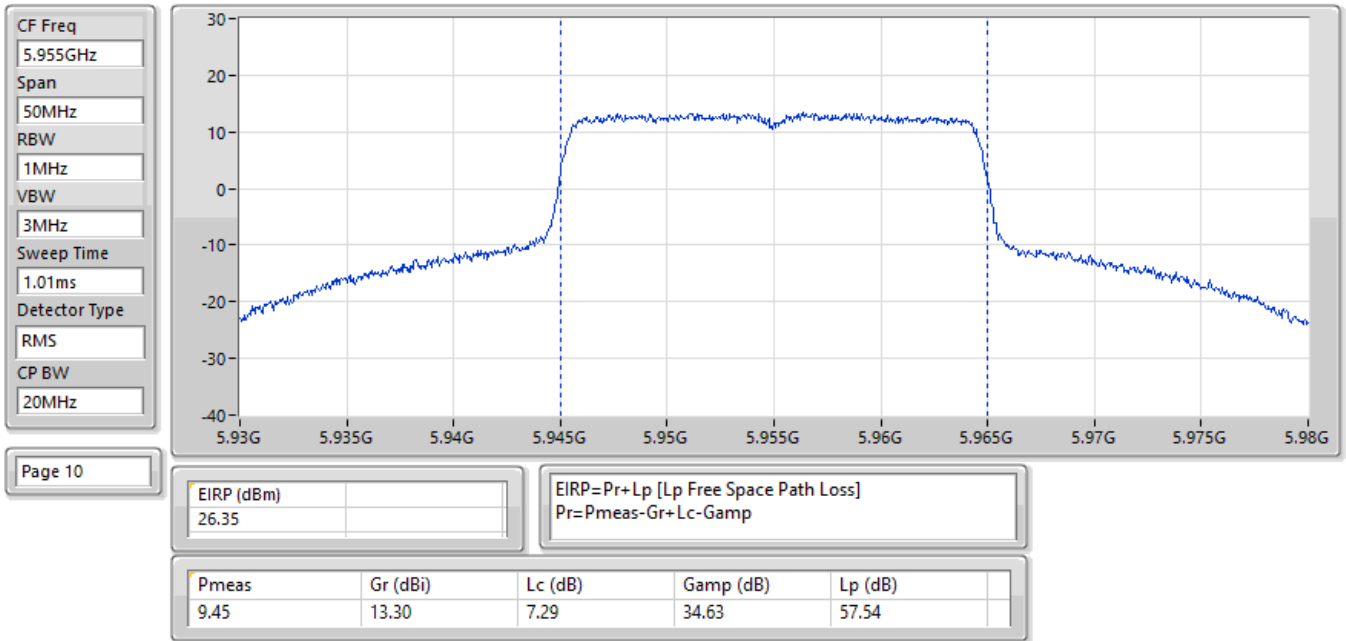
24/06/2025

EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6665MHz;TX



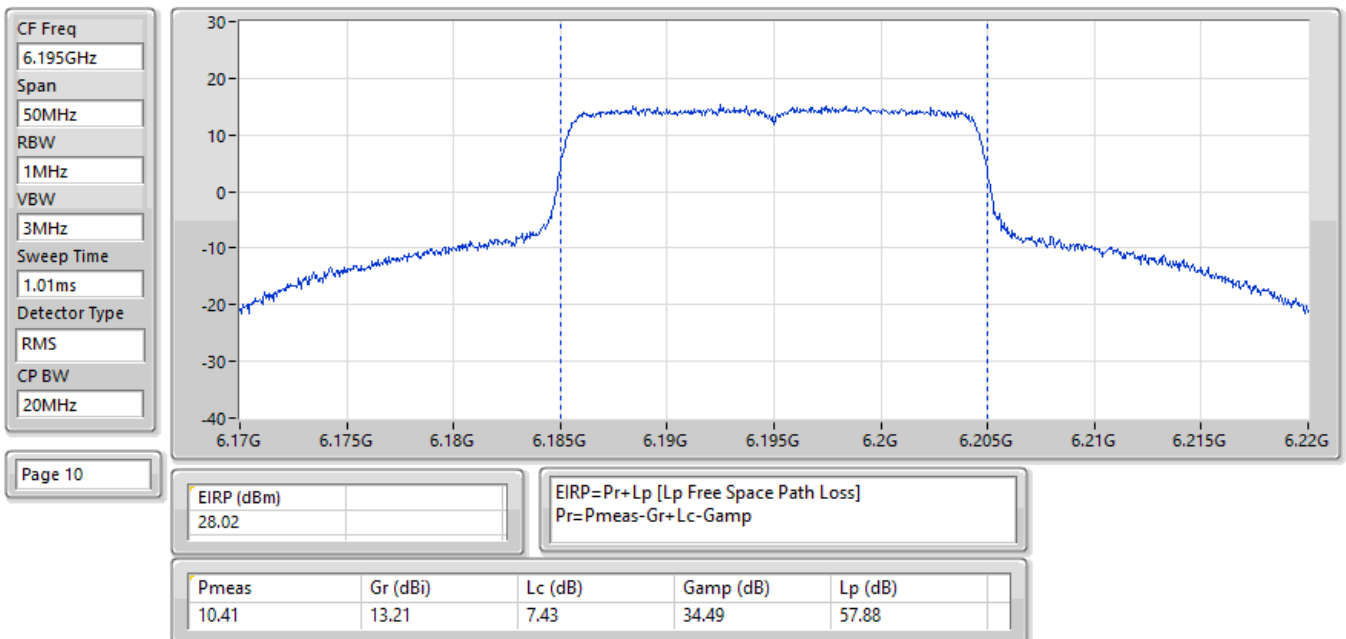
28/05/2025

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



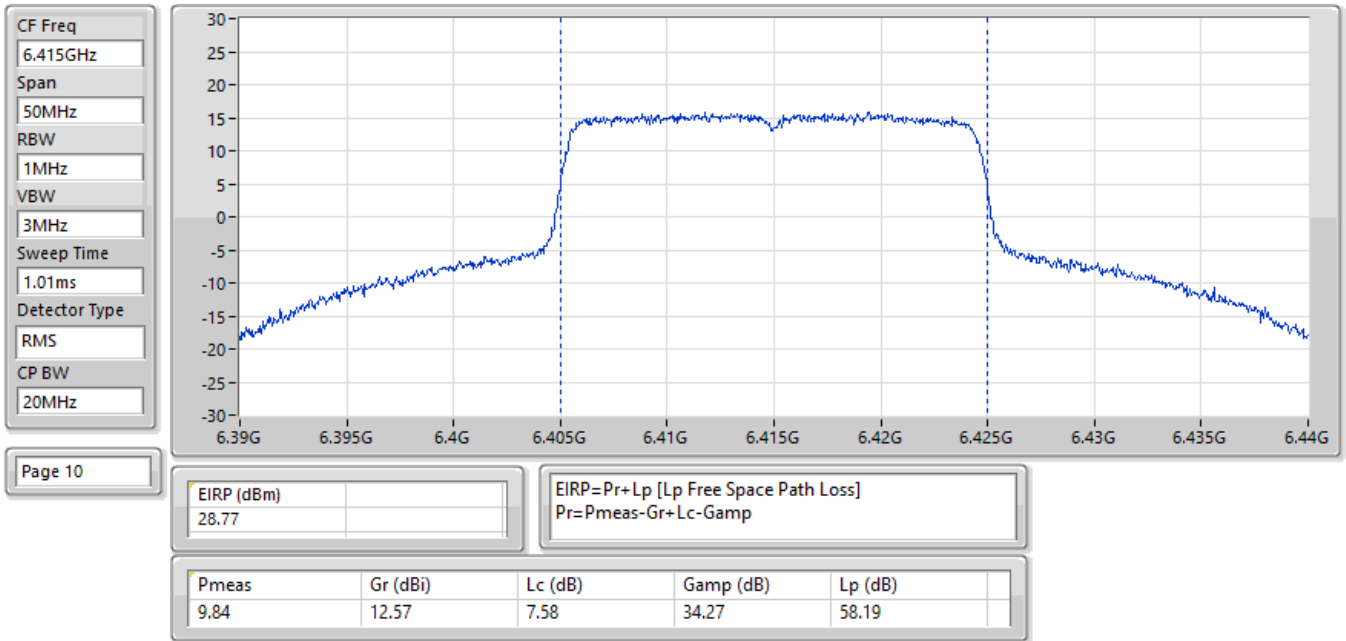
24/06/2025

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



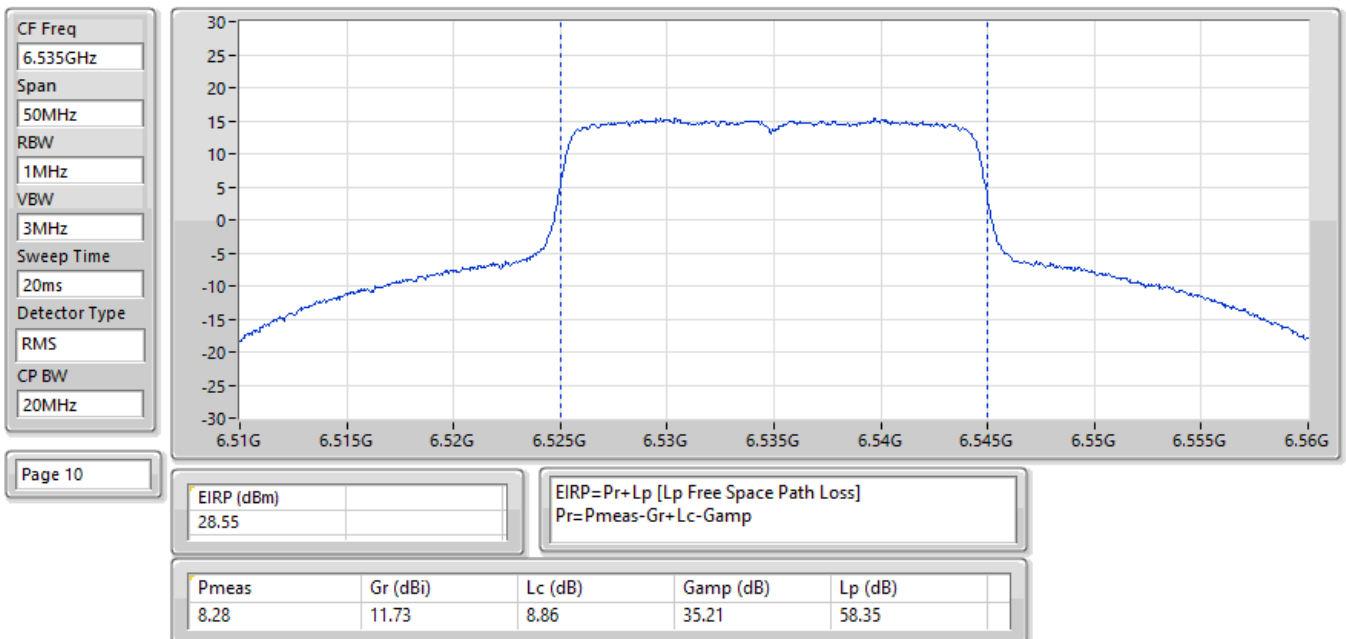
24/06/2025

EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:2,(M0);Nant:2;Ch:6415MHz;TX



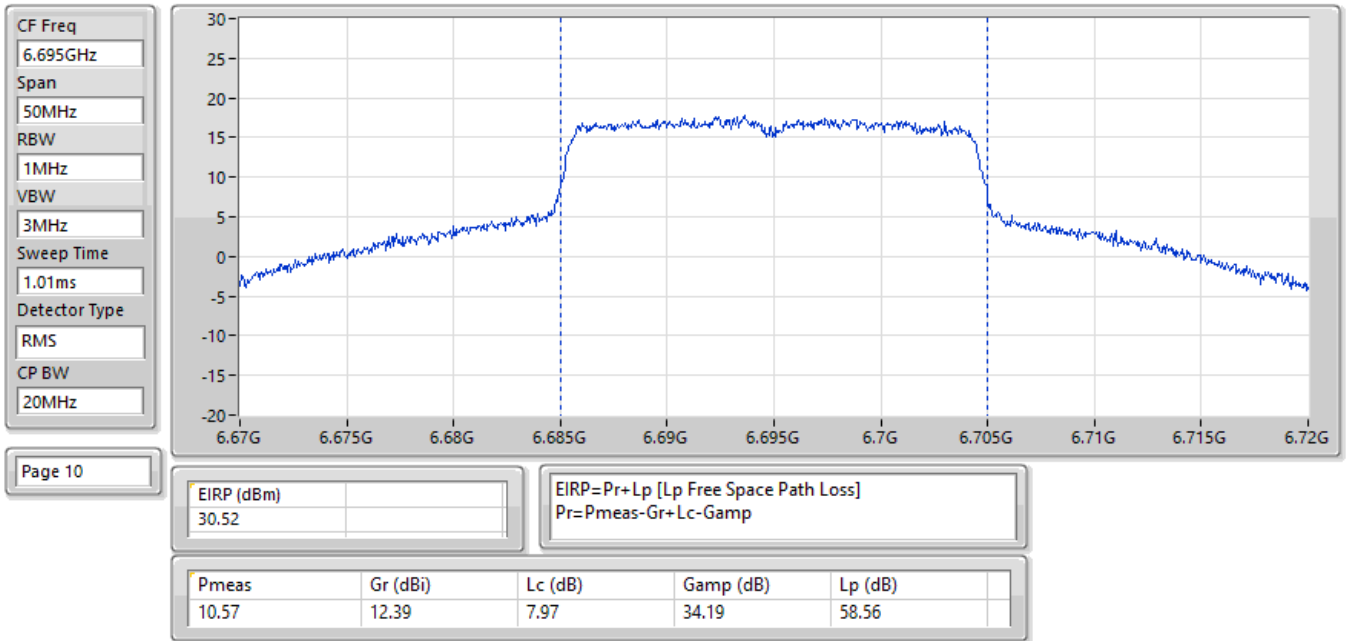
26/06/2025

EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:2,(M0);Nant:2;Ch:6535MHz;TX



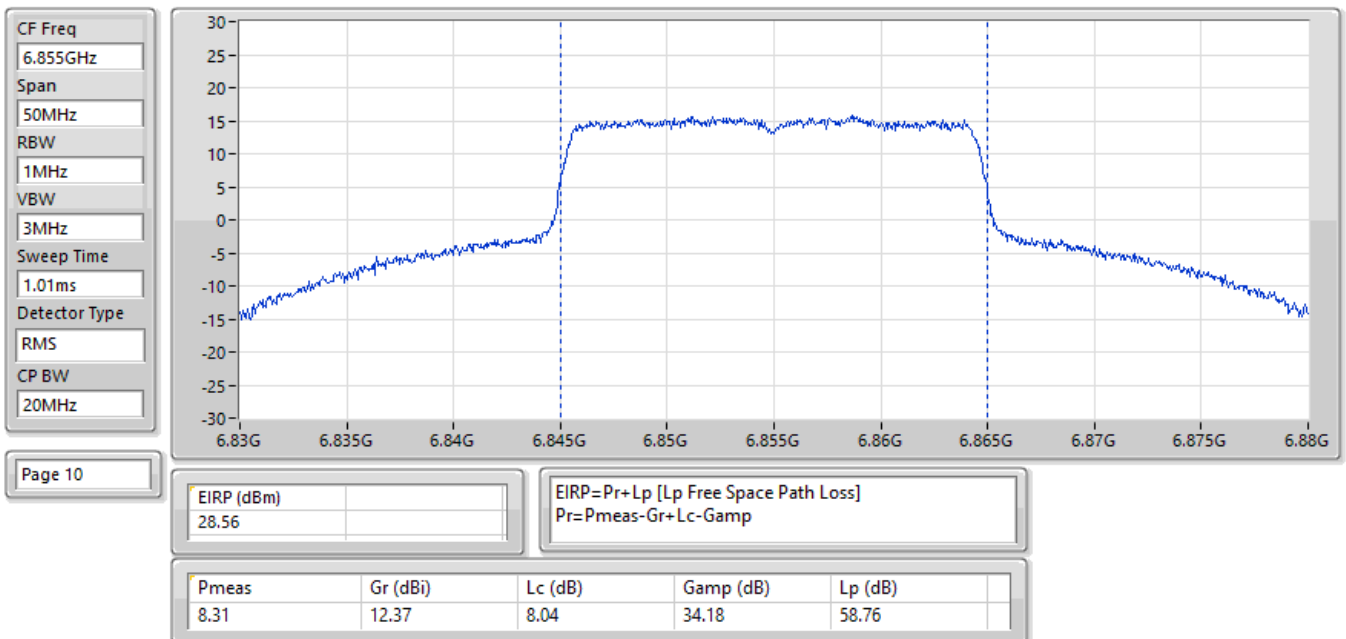
24/06/2025

EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:2,(M0);Nant:2;Ch:6695MHz;TX



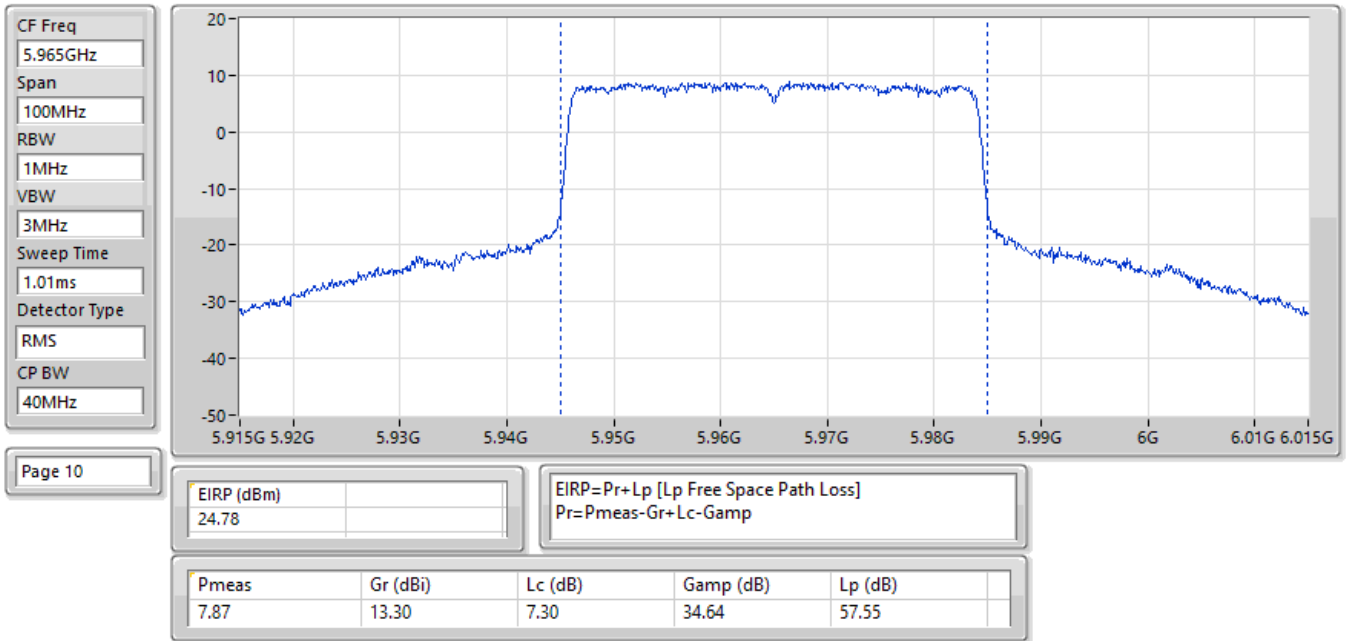
24/06/2025

EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:2,(M0);Nant:2;Ch:6855MHz;TX



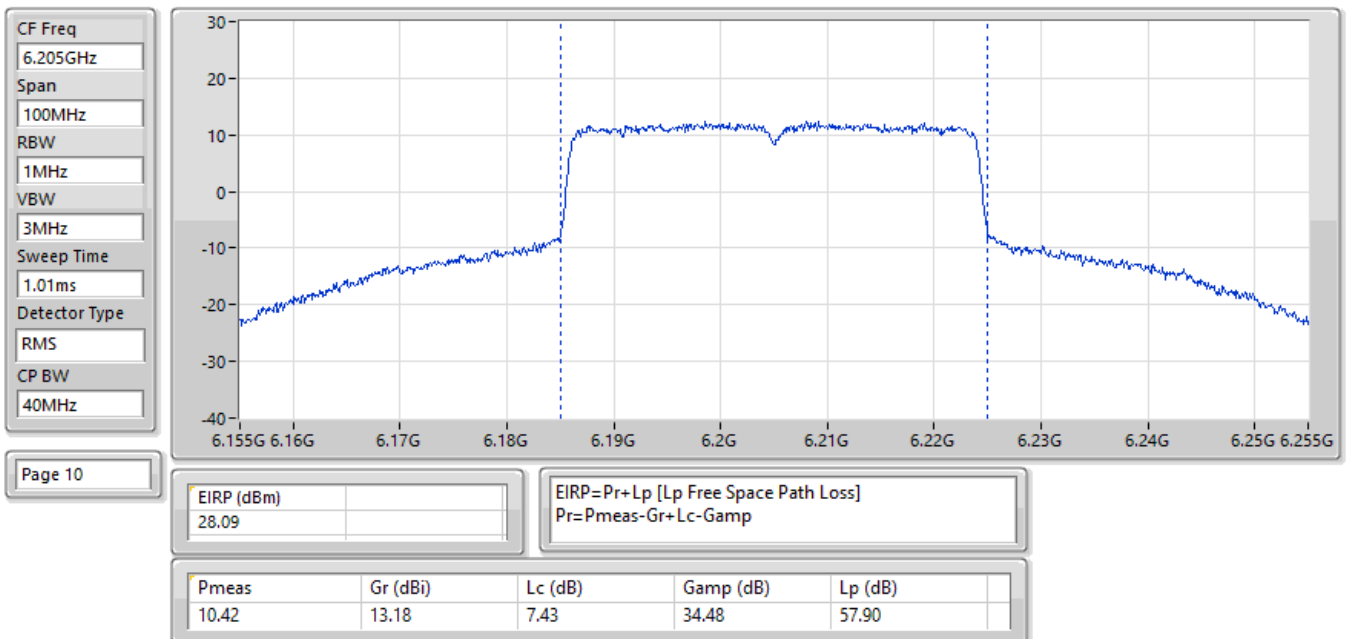
24/06/2025

EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:2,(M0);Nant:2;Ch:5965MHz;TX



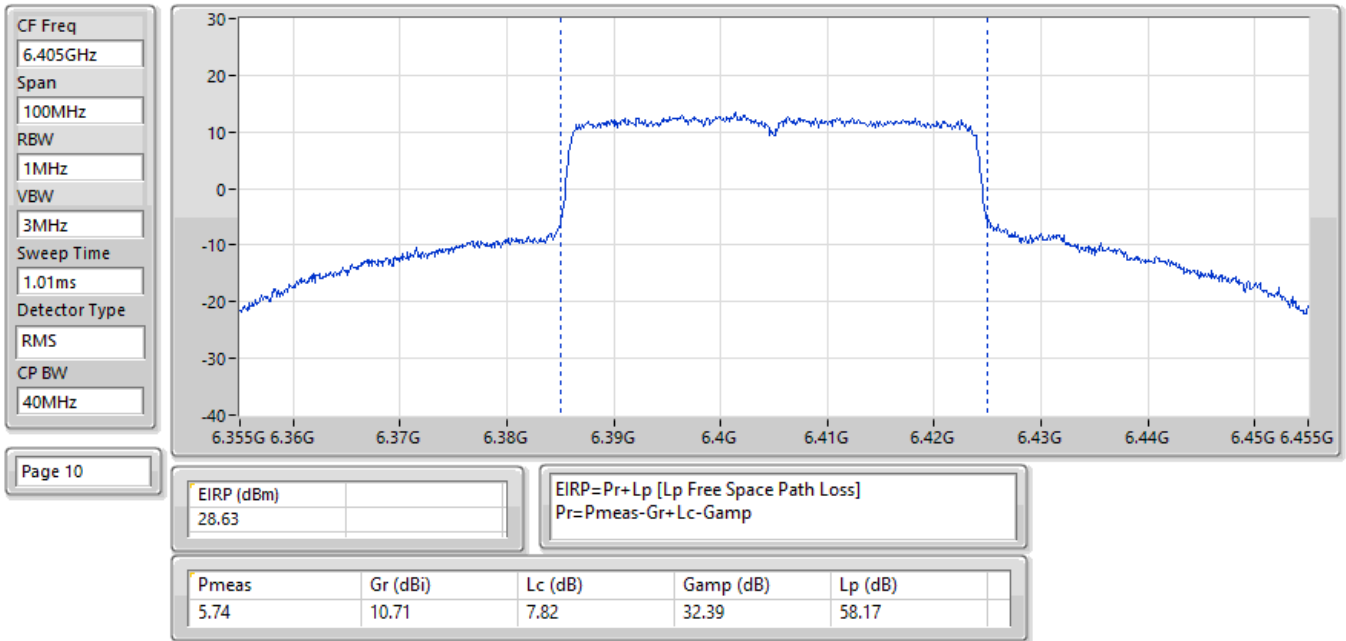
24/06/2025

EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:2,(M0);Nant:2;Ch:6205MHz;TX



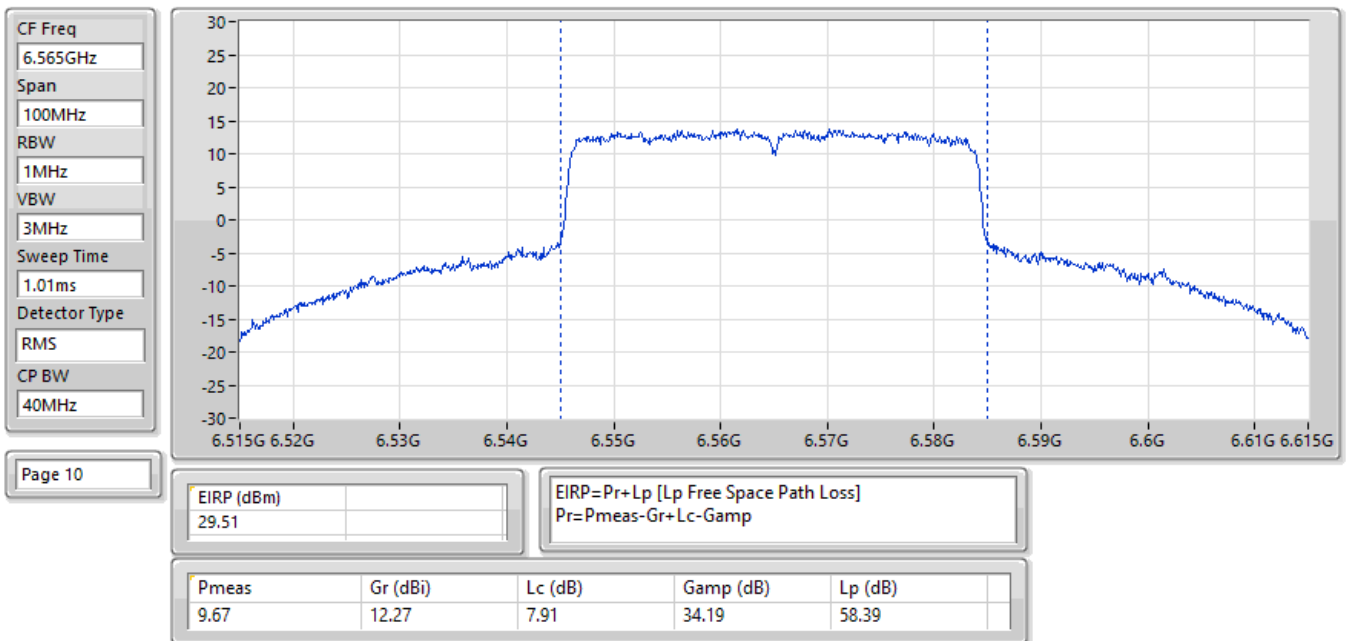
21/06/2025

EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:2,(M0);Nant:2;Ch:6405MHz;TX



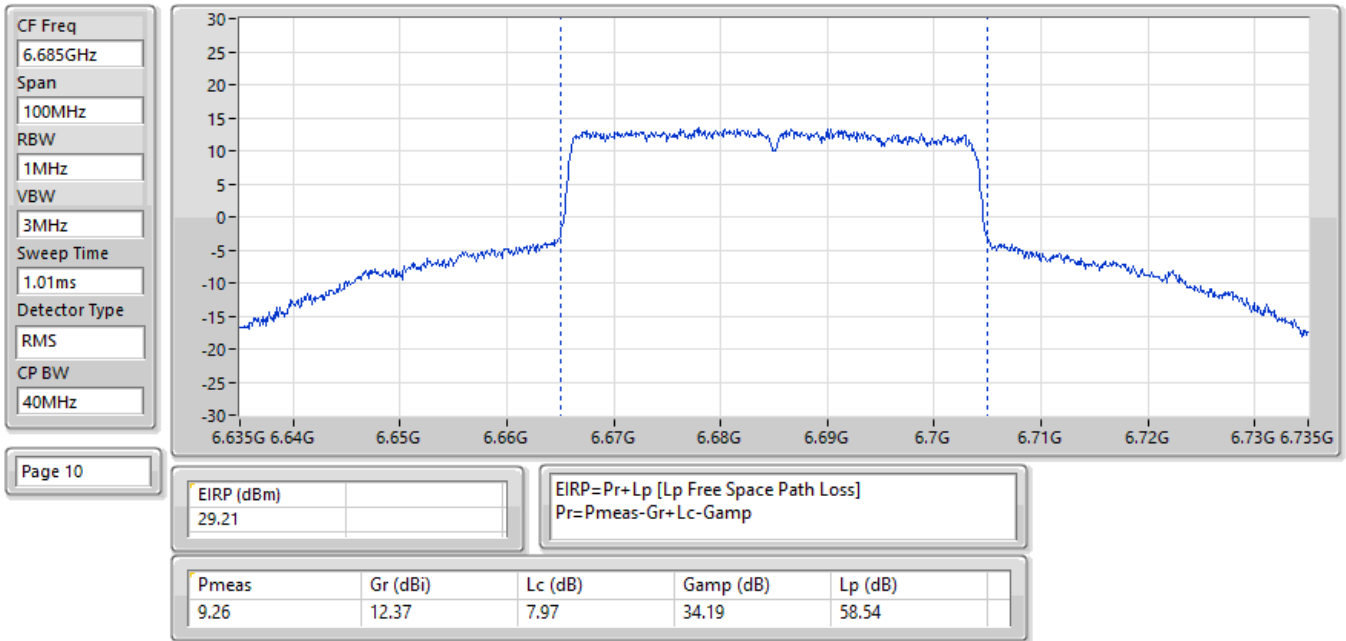
24/06/2025

EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:2,(M0);Nant:2;Ch:6565MHz;TX



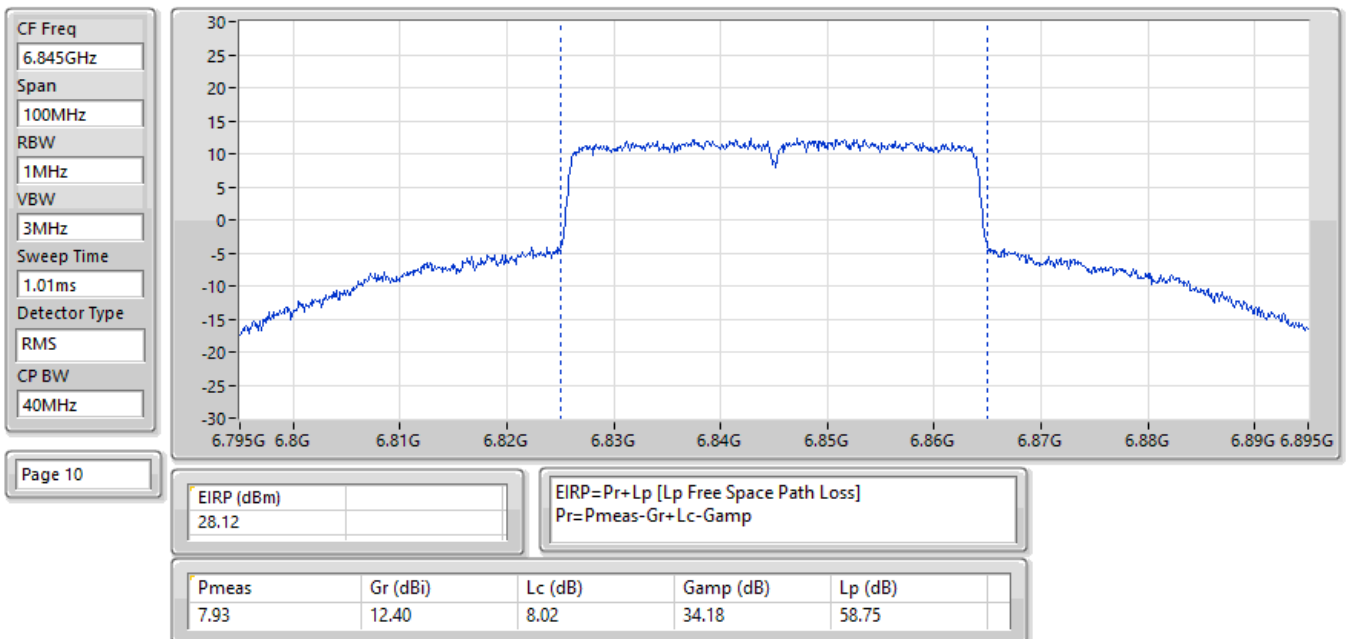
24/06/2025

EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:2,(M0);Nant:2;Ch:6685MHz;TX



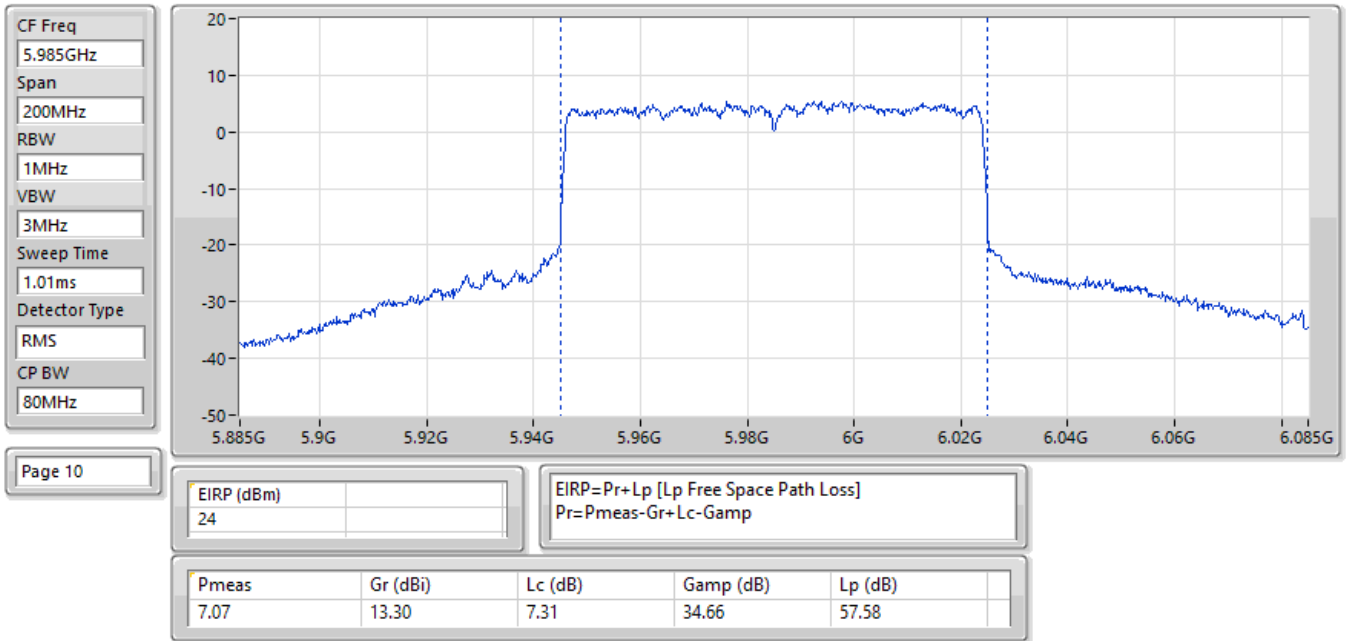
24/06/2025

EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:2,(M0);Nant:2;Ch:6845MHz;TX



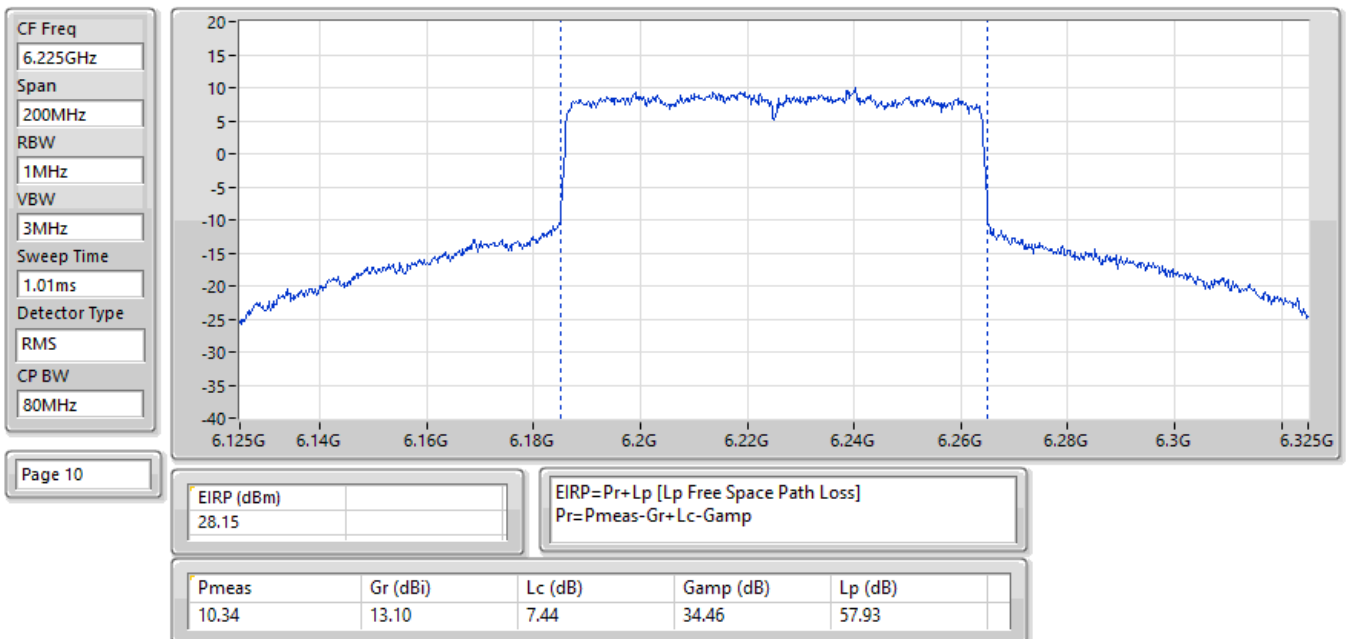
24/06/2025

EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:2,(M0);Nant:2;Ch:5985MHz;TX



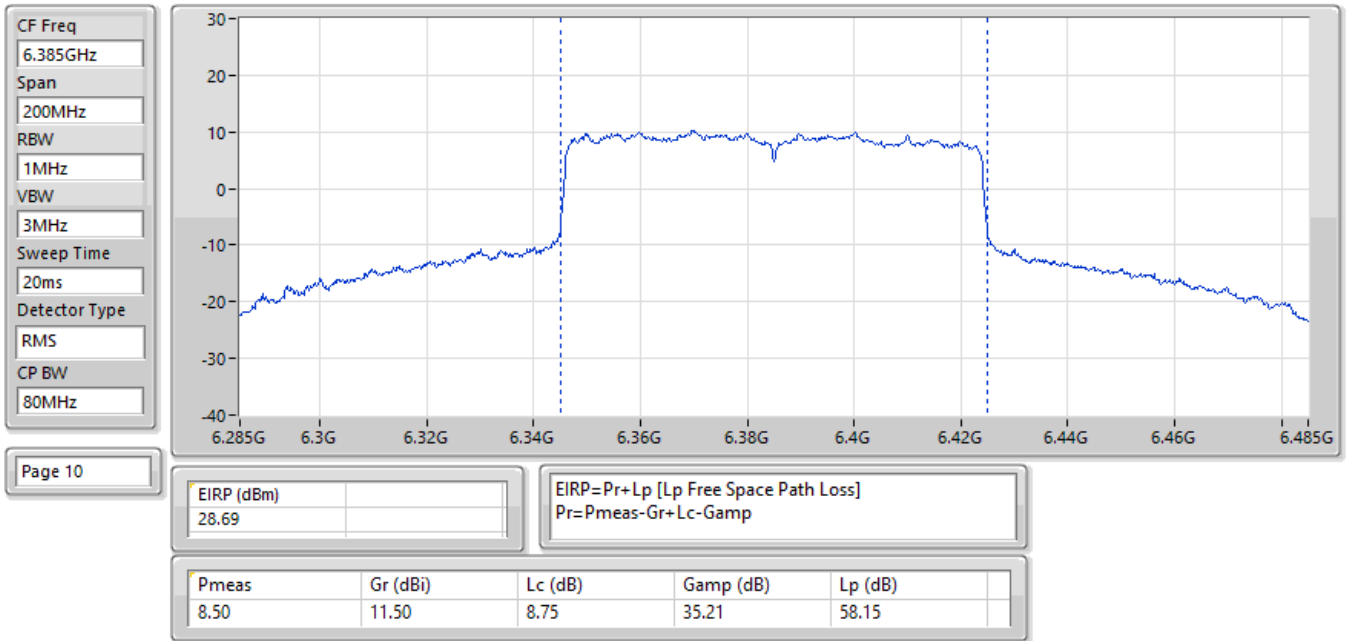
24/06/2025

EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:2,(M0);Nant:2;Ch:6225MHz;TX



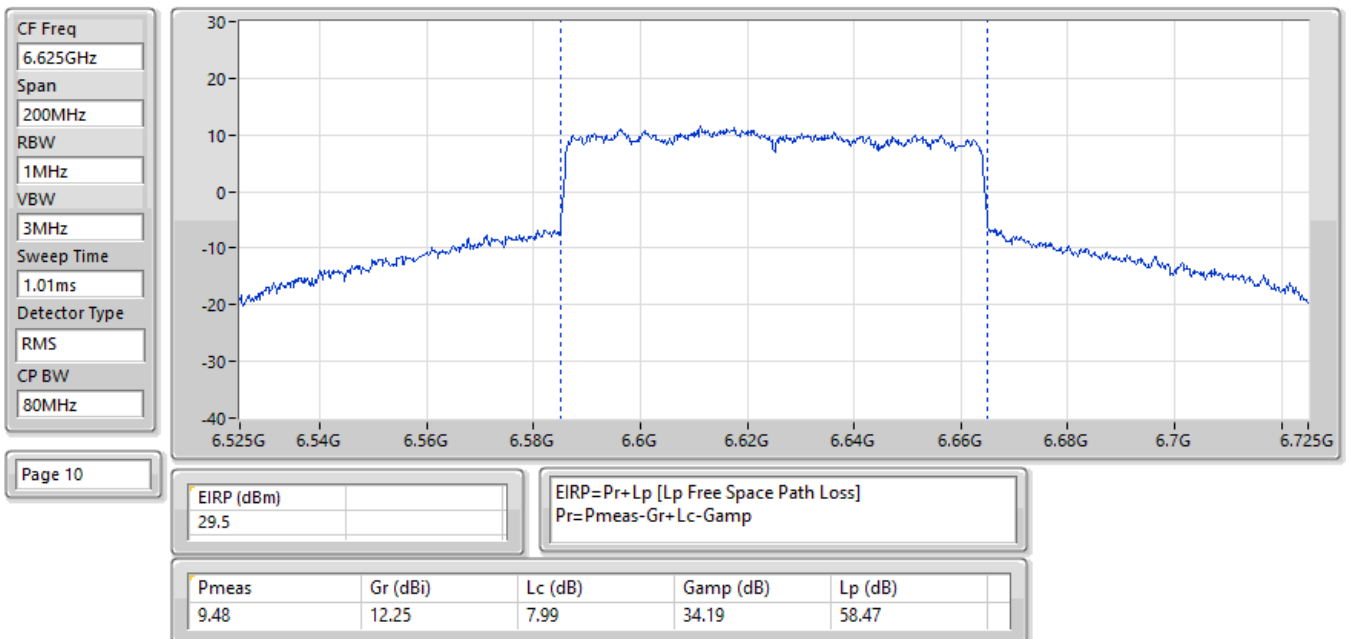
24/06/2025

EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:2,(M0);Nant:2;Ch:6385MHz;TX



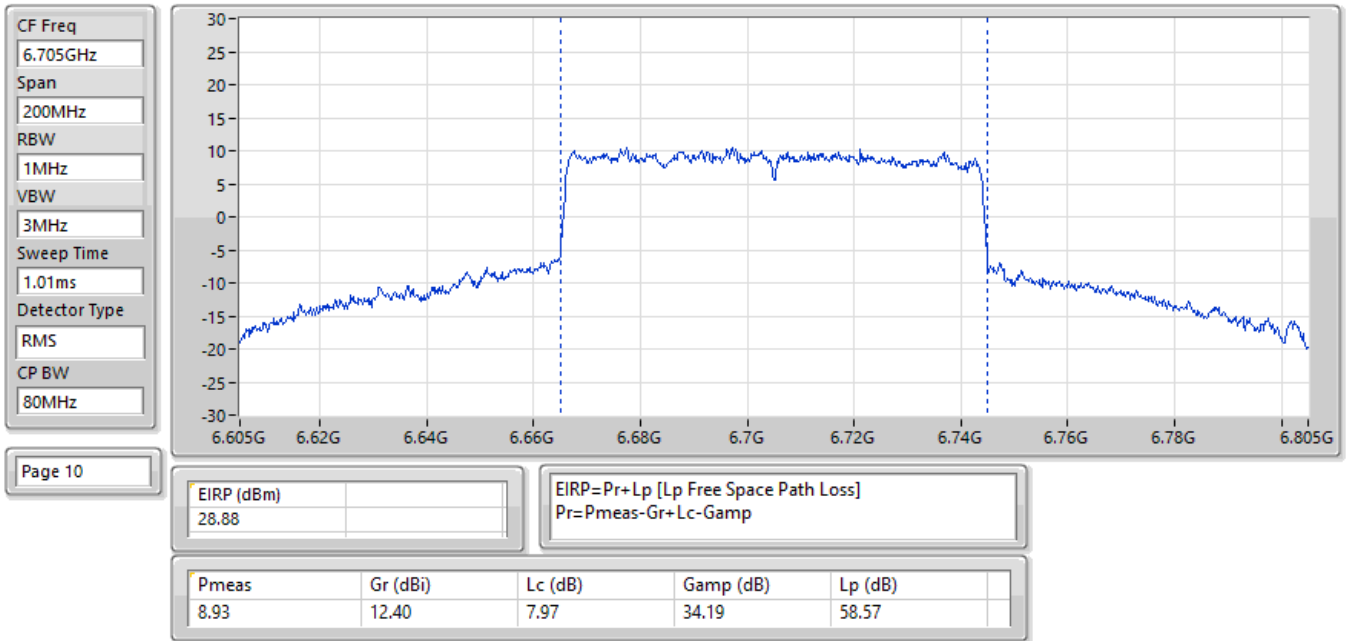
24/06/2025

EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:2,(M0);Nant:2;Ch:6625MHz;TX



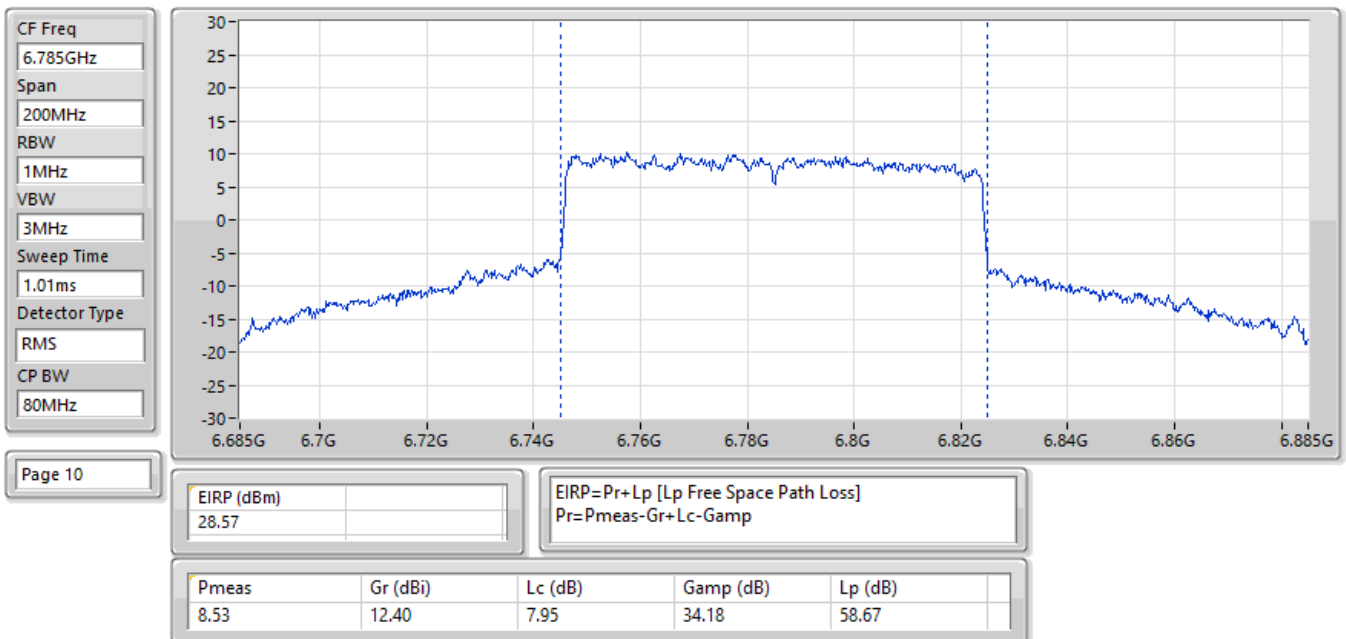
24/06/2025

EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:2,(M0);Nant:2;Ch:6705MHz;TX



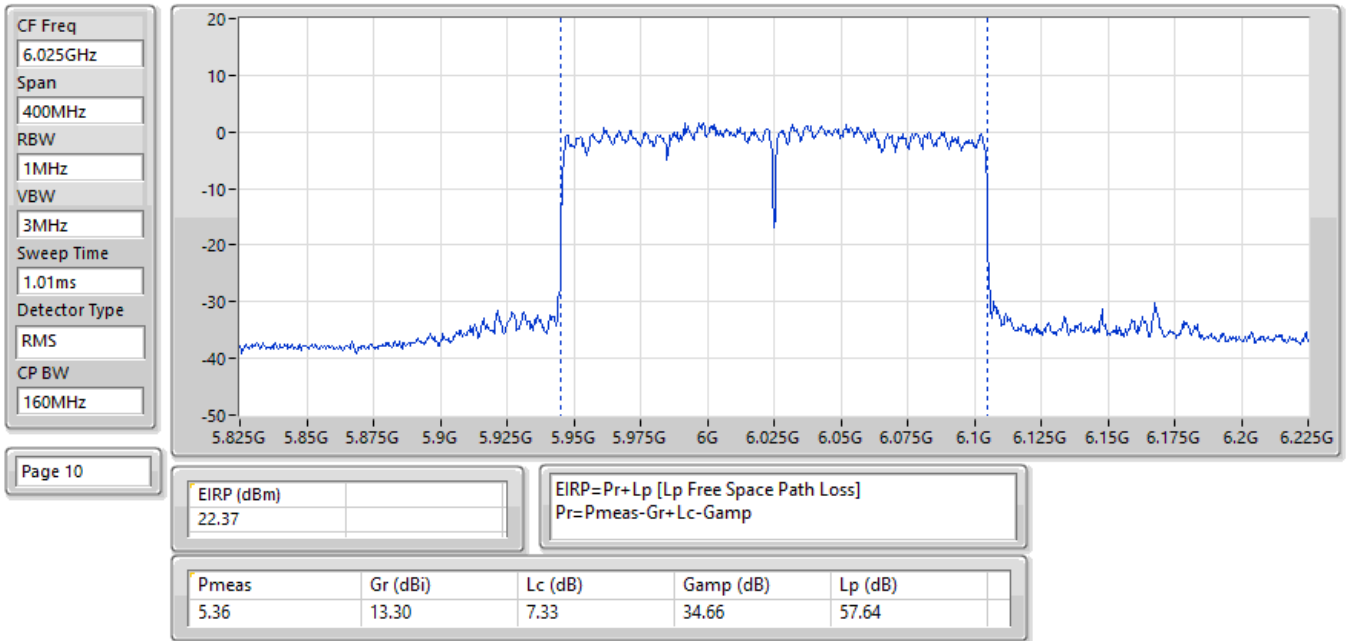
24/06/2025

EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:2,(M0);Nant:2;Ch:6785MHz;TX



24/06/2025

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



21/06/2025

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

