



FCC Radio Test Report

FCC ID : G95OWA7111
Equipment : Wi-Fi 6E Extender
Brand Name : technicolor, Google Fiber
Model Name : OWA7111TCH3, OWA7111TCH3P, OWA7111GFR, GE6E210T
Applicant : Vantiva USA LLC
4855 Peachtree Industrial
Blvd., Suite 200, Norcross, Georgia 30092
U.S.A.
Manufacturer : Fuhong Precision Component (BacGiang) Co., Ltd.
Dinh Tram Industrial Park
Viet Yen District, BAC GIANG PROVINCE,
Vietnam
Standard : 47 CFR FCC Part 15.407

The product was received on Feb. 09, 2023, and testing was started from Apr. 27, 2023 and completed on Jun. 20, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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


Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR320924AE	01	Initial issue of report	Jul. 03, 2023



Summary of Test Result

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

Declaration of Conformity:

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

Comments and Explanations:

None

Reviewed by: Ryan Hsiao

Report Producer: Michelle Tsai



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925 ~ 7125	a, 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]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20	20	4TX
6.425-6.525GHz	802.11ax HEW20	20	4TX
6.525-6.875GHz	802.11ax HEW20	20	4TX
6.875-7.125GHz	802.11ax HEW20	20	4TX
5.925-6.425GHz	802.11ax HEW40	40	4TX
6.425-6.525GHz	802.11ax HEW40	40	4TX
6.525-6.875GHz	802.11ax HEW40	40	4TX
6.875-7.125GHz	802.11ax HEW40	40	4TX
5.925-6.425GHz	802.11ax HEW80	80	4TX
6.425-6.525GHz	802.11ax HEW80	80	4TX
6.525-6.875GHz	802.11ax HEW80	80	4TX
6.875-7.125GHz	802.11ax HEW80	80	4TX
5.925-6.425GHz	802.11ax HEW160	160	4TX
6.425-6.525GHz	802.11ax HEW160	160	4TX
6.525-6.875GHz	802.11ax HEW160	160	4TX
6.875-7.125GHz	802.11ax HEW160	160	4TX



Beamforming_4T1S

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20-BF	20	4TX
6.425-6.525GHz	802.11ax HEW20-BF	20	4TX
6.525-6.875GHz	802.11ax HEW20-BF	20	4TX
6.875-7.125GHz	802.11ax HEW20-BF	20	4TX
5.925-6.425GHz	802.11ax HEW40-BF	40	4TX
6.425-6.525GHz	802.11ax HEW40-BF	40	4TX
6.525-6.875GHz	802.11ax HEW40-BF	40	4TX
6.875-7.125GHz	802.11ax HEW40-BF	40	4TX
5.925-6.425GHz	802.11ax HEW80-BF	80	4TX
6.425-6.525GHz	802.11ax HEW80-BF	80	4TX
6.525-6.875GHz	802.11ax HEW80-BF	80	4TX
6.875-7.125GHz	802.11ax HEW80-BF	80	4TX
5.925-6.425GHz	802.11ax HEW160-BF	160	4TX
6.425-6.525GHz	802.11ax HEW160-BF	160	4TX
6.525-6.875GHz	802.11ax HEW160-BF	160	4TX
6.875-7.125GHz	802.11ax HEW160-BF	160	4TX

Beamforming_4T2S

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20-BF	20	4TX
6.425-6.525GHz	802.11ax HEW20-BF	20	4TX
6.525-6.875GHz	802.11ax HEW20-BF	20	4TX
6.875-7.125GHz	802.11ax HEW20-BF	20	4TX
5.925-6.425GHz	802.11ax HEW40-BF	40	4TX
6.425-6.525GHz	802.11ax HEW40-BF	40	4TX
6.525-6.875GHz	802.11ax HEW40-BF	40	4TX
6.875-7.125GHz	802.11ax HEW40-BF	40	4TX
5.925-6.425GHz	802.11ax HEW80-BF	80	4TX
6.425-6.525GHz	802.11ax HEW80-BF	80	4TX
6.525-6.875GHz	802.11ax HEW80-BF	80	4TX
6.875-7.125GHz	802.11ax HEW80-BF	80	4TX
5.925-6.425GHz	802.11ax HEW160-BF	160	4TX
6.425-6.525GHz	802.11ax HEW160-BF	160	4TX
6.525-6.875GHz	802.11ax HEW160-BF	160	4TX
6.875-7.125GHz	802.11ax HEW160-BF	160	4TX



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.	Brand	Model Name	Antenna Type	Connector	Support	Remark
1	NA	NA	PCB	I-Pex	6GHz	Radio 3
2	NA	NA	PCB	I-Pex	6GHz	
3	NA	NA	PCB	I-Pex	6GHz	
4	NA	NA	PCB	I-Pex	6GHz	
5	NA	NA	PCB	I-Pex	2.4GHz + 5GHz	Radio 1
6	NA	NA	PCB	I-Pex	2.4GHz + 5GHz	
7	NA	NA	PCB	I-Pex	Bluetooth	Radio 2

Ant.	Port	Gain (dBi)			
		6GHz			
		U-NII-5	U-NII-6	U-NII-7	U-NII-8
1	1	1.51	1.68	1.23	2.01
2	2	2.4	3.01	3.32	3.22
3	3	2.23	2.76	4.06	3.84
4	4	2.06	1.85	2.35	3.51

Ant.	Port	Gain (dBi)							
		2.4GHz	Bluetooth			5GHz			
			2400 (MHz)	2450 (MHz)	2483(MHz)	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3
5	1	1.79	-	-	-	1.21	1.5	2.17	2.68
6	2	1.95	-	-	-	1.39	1.8	2.7	3.87
7	1	-	2.5	3.4	3.98	-	-	-	-

Composite Gain (dBi)						
Stream	2.4G	U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	
1SS	2.51	2.73	2.15	2.92	3.99	
2SS	1.95	1.39	1.8	2.7	3.87	

Note 1: The EUT has seven antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain. For more detail information, please refer to the Antenna Pattern Report AP320924.

For 2.4GHz function:

For IEEE 802.11b mode (1TX/1RX)

Support diversity function and pre-tested on each single chain, the worst case was Ant. 5(port 1) and it was recorded in this test report.



For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)
Ant. 5 (port 1) ~ Ant. 6 (port 2) could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
Ant. 7 can be used as transmitting/receiving antenna.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)
Ant. 5 (port 1) ~ Ant. 6 (port 2) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax mode (4TX/4RX)
Ant. 1 (port 1) ~ Ant. 4 (port 4) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition
EUT Power Type: From AC Adapter
Software Version: 5.04L.03
Hardware Version: FGR
EUT Function: Indoor Access Point, Subordinate, Indoor Client, Standard Power Access Point, Dual Client, Standard Client, Fixed Client
Beamforming Function: With beamforming, Without beamforming
Resource Unit(802.11ax): Full RU, Partial RU
Software / Firmware Version for CBP: Apr 13 2023 13:39:45 version 17.10.188.6401 (r808804) [456ca8e31e] FWID 01-ce097f8b
Type of EUT: Stand-alone, Combined (EUT where the radio part is fully integrated within another device), Combined Equipment - Brand Name / Model No.: ..., Plug-in radio (EUT intended for a variety of host systems), Host System - Brand Name / Model No.: , Other:

Note: The above information was declared by manufacturer.



1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20_Nss1,(MCS0)_4TX	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_4TX	0.993	0.03	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW80_Nss1,(MCS0)_4TX	0.989	0.05	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW160_Nss1,(MCS0)_4TX	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)

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

Beamforming_4T1S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	0.959	0.18	4.82m	300
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.912	0.4	2.943m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.957	0.19	4.38m	300
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	0.958	0.19	4.153m	300

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

Beamforming_4T2S

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	0.961	0.17	4.389m	300
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	0.965	0.15	5.106m	300
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	0.933	0.3	5.358m	300
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	0.815	0.89	3.13m	1k

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

1.1.5 Table for Multiple Listing

The brand/model names in the following table are all refer to the identical product.

Brand Name	Model Name	Description
technicolor	OWA7111TCH3, OWA7111TCH3P, OWA7111GFR	All the models are identical, the difference model for difference brand served as marketing strategy.
Google Fiber	GE6E210T	

Note: OWA7111TCH3 was measured during the 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
- ◆ ANSI C63.10-2013
- ◆ KDB 789033 D02 v02r01

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

- ◆ KDB 987594 D01 v01r02
- ◆ KDB 987594 D02 v01r01
- ◆ KDB 662911 D01 v02r01
- ◆ KDB 412172 D01 v01r01
- ◆ KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	TaiKun Lee	23.4~24.8°C/50~53%	15/May/2023
RF Conducted	TH01-HY	Luby hsu	21.4~23.4°C/48~52%	08/May/2023~11/May/2023
Radiated	03CH02-HY	Jack Tang	22.1~23.0°C/59~61%	27/Apr/2023~19/May/2023
Radiated (Co-location)	03CH02-HY	Jack Tang	22.7~23.1°C/60~61%	19/May/2023
Contention-Based Protocol	DFS01-HY	Wayne Lin	24.6~26.8°C/53~54%	19/Jun/2023~20/Jun/2023
<input type="checkbox"/>	Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)		
		TEL: 886-3-318-0787	FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Emission Bandwidth	1.5 MHz	Confidence levels of 95%
Maximum Equivalent Isotropically Radiated Power (E.I.R.P.)	1.2 dB	Confidence levels of 95%
Peak Power Spectral Density (E.I.R.P.)	1.2 dB	Confidence levels of 95%
Unwanted Emissions	4.8 dB	Confidence levels of 95%
Contention-Based Protocol	1 ms	Confidence levels of 95%
Frequency Stability	1.18 ppm	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Non-Beamforming

Test Software Version	accessMTool_REL_3_2_1_5
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Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	35
6175MHz	36
6415MHz	33
6435MHz	31
6475MHz	40
6515MHz	37
6535MHz	37
6695MHz	37
6855MHz	31
6875MHz Straddle 6.525-6.875GHz	31
6895MHz	33
6995MHz	39
7095MHz	37
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	49
6165MHz	44
6405MHz	43
6445MHz	44
6485MHz	44
6525MHz Straddle 6.425-6.525GHz	43
6565MHz	44
6685MHz	47
6845MHz	45
6885MHz Straddle 6.525-6.875GHz	47
6925MHz	47
7005MHz	51
7085MHz	50
802.11ax HEW80_Nss1,(MCS0)_4TX	-



Mode	Power Setting
5985MHz	61
6145MHz	58
6385MHz	57
6465MHz	55
6545MHz Straddle 6.425-6.525GHz	58
6625MHz	61
6705MHz	61
6785MHz	59
6865MHz Straddle 6.525-6.875GHz	59
6945MHz	62
7025MHz	66
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	72
6185MHz	69
6345MHz	69
6505MHz Straddle 6.425-6.525GHz	70
6665MHz	72
6825MHz Straddle 6.525-6.875GHz	69
6985MHz	75



Beamforming_4T1S

Test Software Version	PuTTY Release 0.62
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Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5955MHz	31
6175MHz	29
6415MHz	29
6435MHz	29
6475MHz	23
6515MHz	21
6535MHz	19
6695MHz	27
6855MHz	25
6875MHz Straddle 6.525-6.875GHz	27
6895MHz	23
6995MHz	23
7095MHz	25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5965MHz	43
6165MHz	40
6405MHz	37
6445MHz	39
6485MHz	42
6525MHz Straddle 6.425-6.525GHz	41
6565MHz	37
6685MHz	31
6845MHz	37
6885MHz Straddle 6.525-6.875GHz	39
6925MHz	39
7005MHz	43
7085MHz	45
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5985MHz	45
6145MHz	51
6385MHz	49
6465MHz	49



Mode	Power Setting
6545MHz Straddle 6.425-6.525GHz	52
6625MHz	49
6705MHz	43
6785MHz	55
6865MHz Straddle 6.525-6.875GHz	48
6945MHz	50
7025MHz	47
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
6025MHz	64
6185MHz	61
6345MHz	61
6505MHz Straddle 6.425-6.525GHz	63
6665MHz	63
6825MHz Straddle 6.525-6.875GHz	63
6985MHz	65



Beamforming_4T2S

Test Software Version	PutTY Release 0.62
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Mode	Power Setting
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-
5955MHz	45
6175MHz	40
6415MHz	36
6435MHz	35
6475MHz	35
6515MHz	43
6535MHz	37
6695MHz	43
6855MHz	35
6875MHz Straddle 6.525-6.875GHz	35
6895MHz	37
6995MHz	36
7095MHz	37
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-
5965MHz	63
6165MHz	54
6405MHz	51
6445MHz	53
6485MHz	52
6525MHz Straddle 6.425-6.525GHz	54
6565MHz	53
6685MHz	51
6845MHz	51
6885MHz Straddle 6.525-6.875GHz	51
6925MHz	50
7005MHz	57
7085MHz	52
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-
5985MHz	74
6145MHz	70
6385MHz	67






Mode	Power Setting
6465MHz	65
6545MHz Straddle 6.425-6.525GHz	66
6625MHz	65
6705MHz	65
6785MHz	64
6865MHz Straddle 6.525-6.875GHz	61
6945MHz	65
7025MHz	68
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-
6025MHz	85
6185MHz	81
6345MHz	79
6505MHz Straddle 6.425-6.525GHz	82
6665MHz	81
6825MHz Straddle 6.525-6.875GHz	76
6985MHz	78



2.2 The Worst Case Measurement Configuration

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth Contention Based Protocol Frequency Stability
Test Condition	Conducted measurement at transmit chains

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4GHz WLAN + 5GHz WLAN + 6GHz WLAN + Bluetooth
Refer to Sporton Test Report No.: FA320924 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	



2.3 Accessories

AC Adapter	Brand Name	ASIAN POWER	Model Name	ADS-24FUA-12 12024EPCU
	Power Rating	I/P:100-120Vac, 0.7A, O/P: 12Vdc, 2.0A		
	DC Power Cable	1.15 meter, non-shielded cable, w/o ferrite core		
RJ45 Cable	Signal Line	1.45 meter, non-shielded cable		

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

2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	HP	5220M	-	Remote
2	RJ45 Cable	Powersync	CAT-6E-10	-	Remote

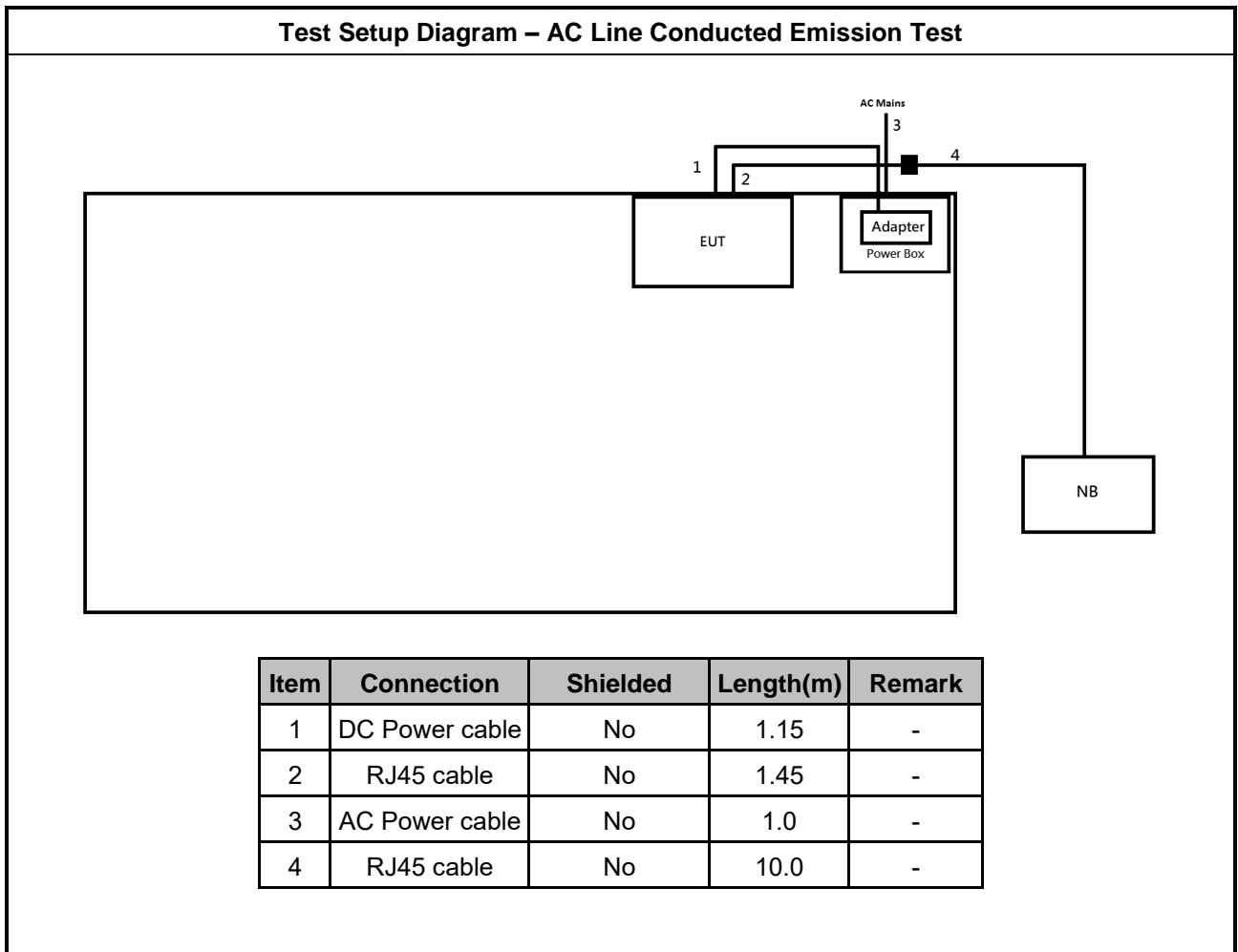
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Client	Technicolor	OWA7111TCH3	-	Provided by Customer/ Beamforming/ Remote
2	Notebook	HP	5220M	-	Remote
3	RJ45 Cable	Powersync	CAT-6E-10	-	Remote

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Client	Technicolor	OWA7111TCH3	-	Provided by Customer/ Beamforming
4	Adapter	HONOR	ADS-24FUA-12 12024EPCU	-	Provided by Customer/ Beamforming
5	Notebook	DELL	E5410	-	Beamforming
6	Adapter for NB	DELL	HA65NM130	-	Beamforming

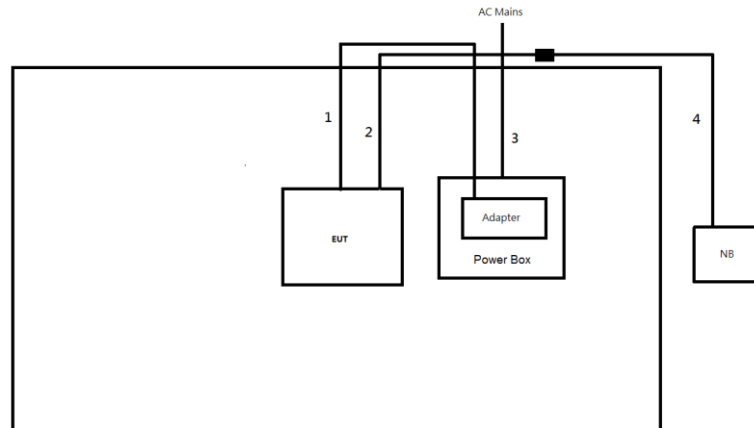


Support Equipment – Contention-Based Protocol					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AP (Master)	Technicolor	EWM322TTCH2	G95EWM322T	Provided by Customer/ Slave Mode
2	Client(Slave)	Technicolor	OWA7111TCH3	G95OWA7111	Provided by Customer/ Master Mode
3	Adapter	HONOR	ADS-24FUA-12 12024EPCU	-	Provided by Customer
4	Adapter	HONOR	ADS-24FUA-12 12024EPCU	-	Provided by Customer
5	Notebook	DELL	Latitude E5550	-	-
6	Notebook	DELL	Latitude E5570	-	-
7	Notebook	acer	V3-471G	-	-

2.5 Test Setup Diagram

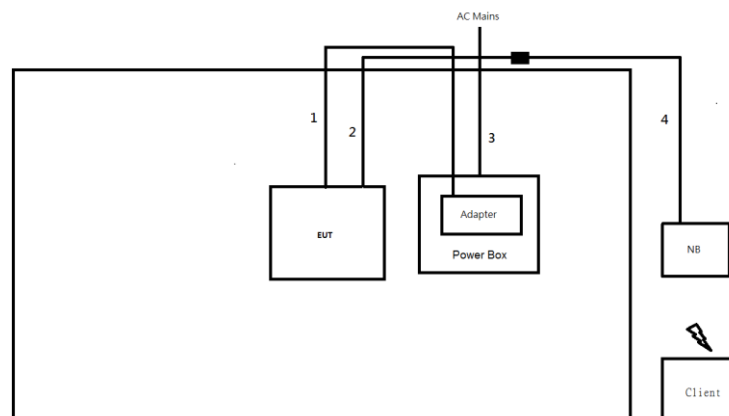


Test Setup Diagram - Radiated Test (Non-Beamforming)



Item	Connection	Shielded	Length(m)	Remark
1	DC Power cable	No	1.15	-
2	RJ45 Cable	No	1.45	-
3	AC Power cable	No	1.8	-
4	RJ45 Cable	No	10.0	-

Test Setup Diagram - Radiated Test (Beamforming)



Item	Connection	Shielded	Length(m)	Remark
1	DC Power cable	No	1.15	-
2	RJ45 Cable	No	1.45	-
3	AC Power cable	No	1.8	-
4	RJ45 Cable	No	10.0	-



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

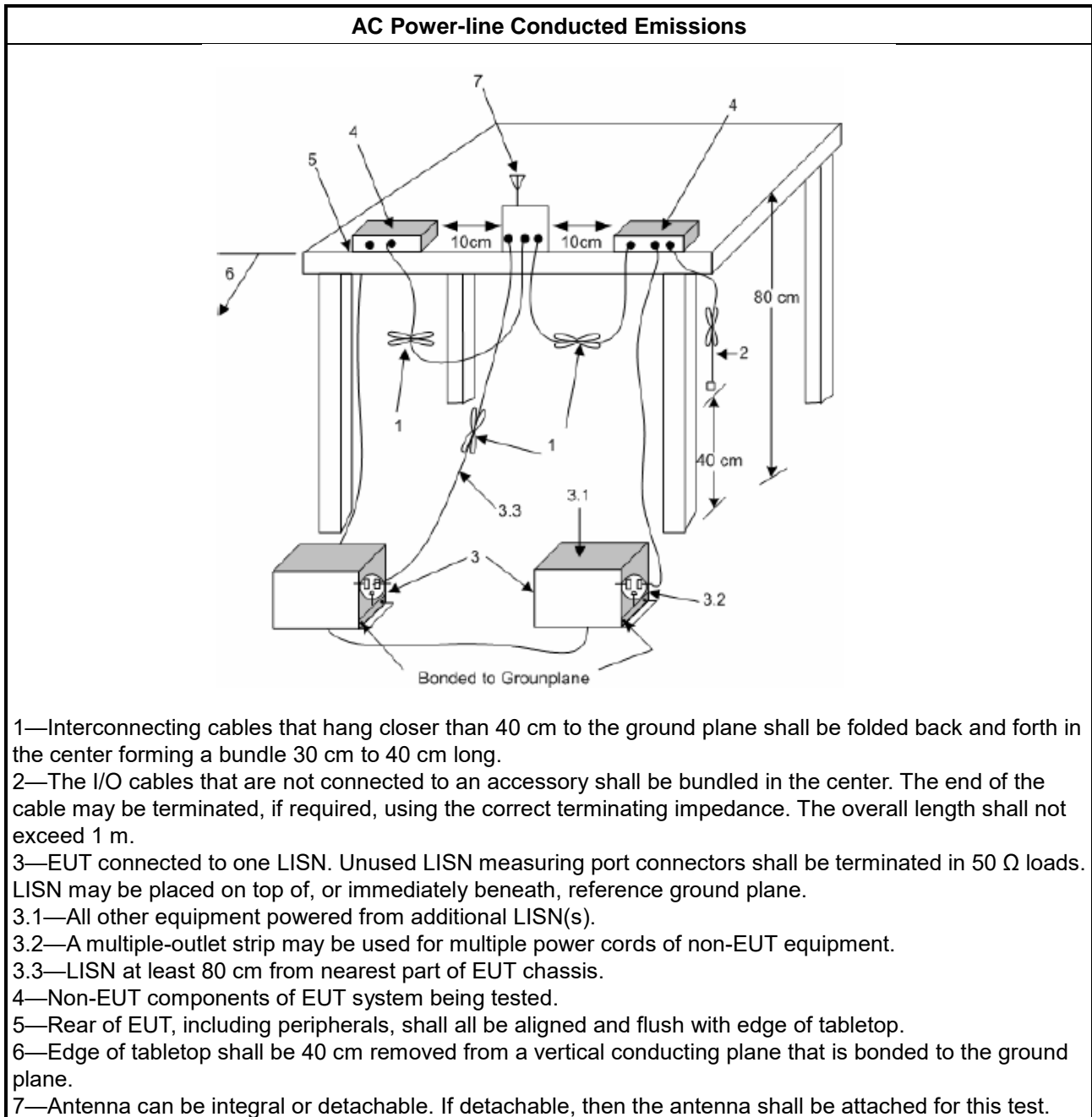
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A



3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

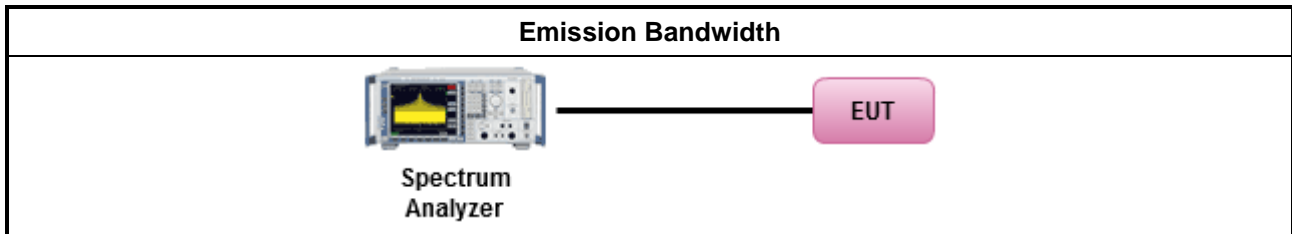
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method							
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below: <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 20px;"><input checked="" type="checkbox"/></td> <td>Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.</td> </tr> <tr> <td><input type="checkbox"/></td> <td>Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.</td> </tr> </table> 		<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.	<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.	<input type="checkbox"/>	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.
<input checked="" type="checkbox"/>	Refer as KDB 789033, clause C for EBW and clause D for OBW measurement.						
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.						
<input type="checkbox"/>	Refer as IC RSS-Gen, clause 6.7 for bandwidth testing.						

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



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

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

Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.
<input checked="" type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.
<input checked="" type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.
<input checked="" type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.



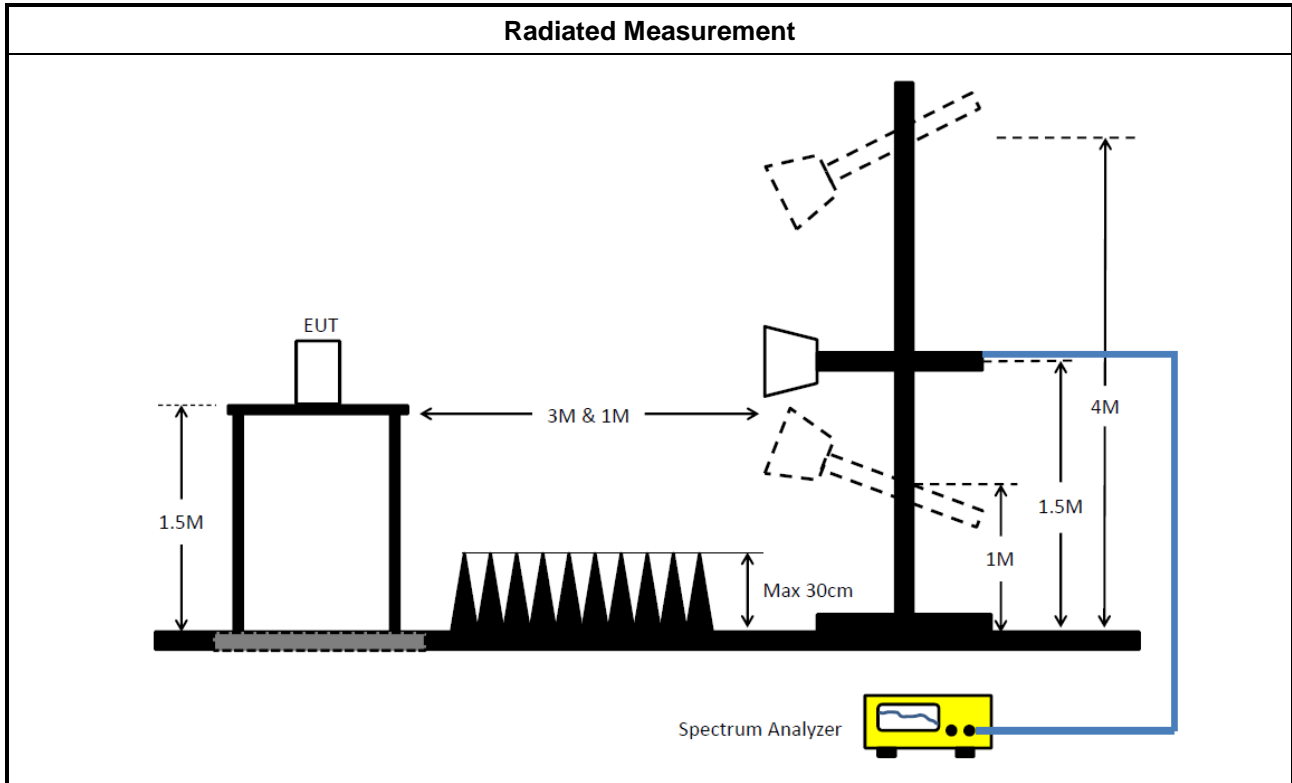
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Output Power Setting 	
	Duty cycle ≥ 98%
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 (spectral trace averaging).
	Duty cycle < 98%
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
	Wideband RF power meter and average over on/off periods with duty factor
<input type="checkbox"/>	Refer as KDB 789033, clause E Method PM-G (using an RF average power meter).
<input type="checkbox"/>	For conducted measurement.
	<ul style="list-style-type: none"> ▪ 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.
	<ul style="list-style-type: none"> ▪ 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]) $EIRP_{total} = P_{total} + DG$
<input checked="" type="checkbox"/>	For radiated measurement.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
	<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing"
	<ul style="list-style-type: none"> ▪ Refer as KDB 412172, clause 2.2 for EIRP calculation.

3.3.4 Test Setup



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

Refer as Appendix C



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

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

Peak Power Spectral Density (E.I.R.P.) Limit	
UNII Devices	
<input checked="" type="checkbox"/>	For the 5.925 ~ 6.425 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.
<input checked="" type="checkbox"/>	For the 6.425 ~ 6.525 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.
<input checked="" type="checkbox"/>	For the 6.525 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.
<input checked="" type="checkbox"/>	For the 6.875 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ 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.

3.4.2 Measuring Instruments

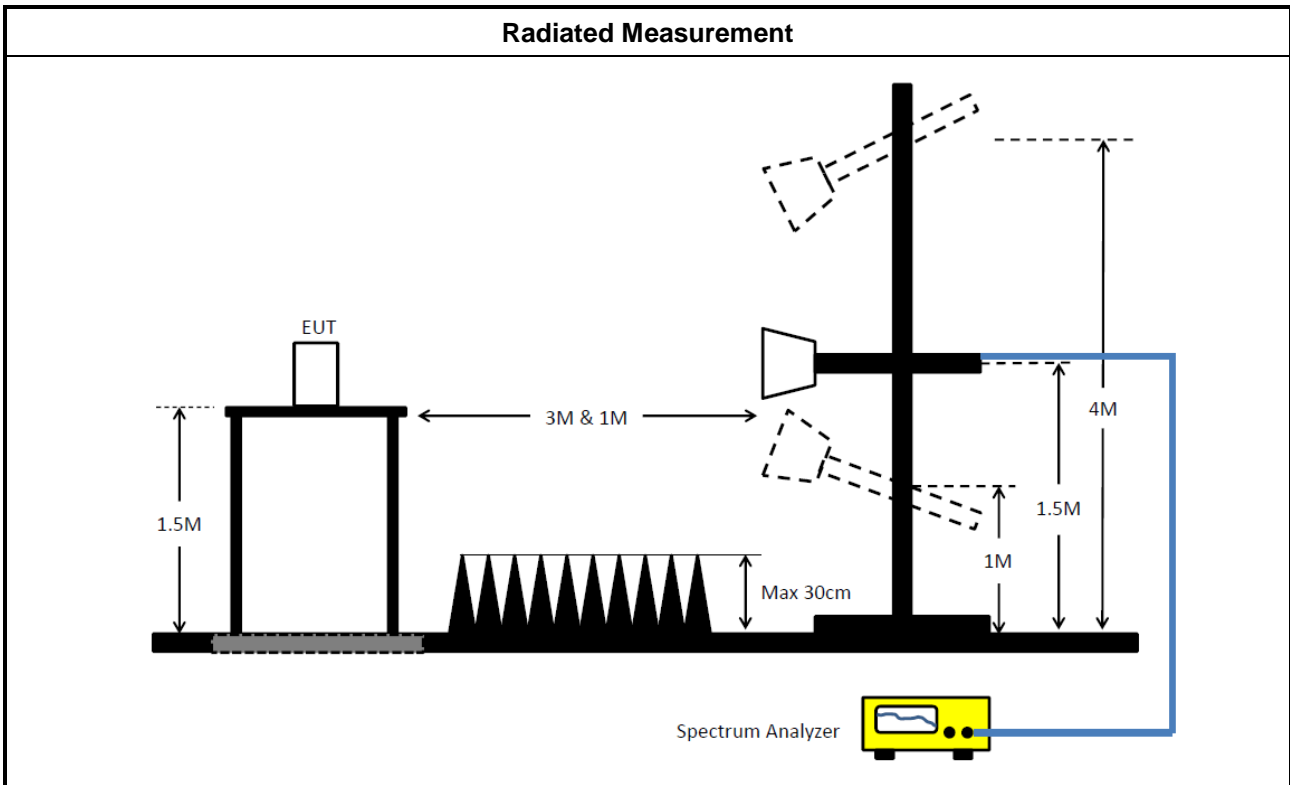
Refer a test equipment and calibration data table in this test report.



3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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: 	
<input type="checkbox"/>	Refer as KDB 789033, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2. (spectral trace averaging)
<input type="checkbox"/>	Refer as KDB 789033, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input type="checkbox"/> For conducted measurement.	
<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: 	
<input type="checkbox"/>	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.) Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
<input type="checkbox"/>	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
<input type="checkbox"/>	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
<ul style="list-style-type: none"> ▪ 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]) $EIRP_{total} = PPSD_{total} + DG$ 	
<input checked="" type="checkbox"/> For radiated measurement.	
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. 	
<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing" 	
<ul style="list-style-type: none"> ▪ Refer as KDB 412172, clause 2.2 for EIRP calculation. 	

3.4.4 Test Setup



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

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

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

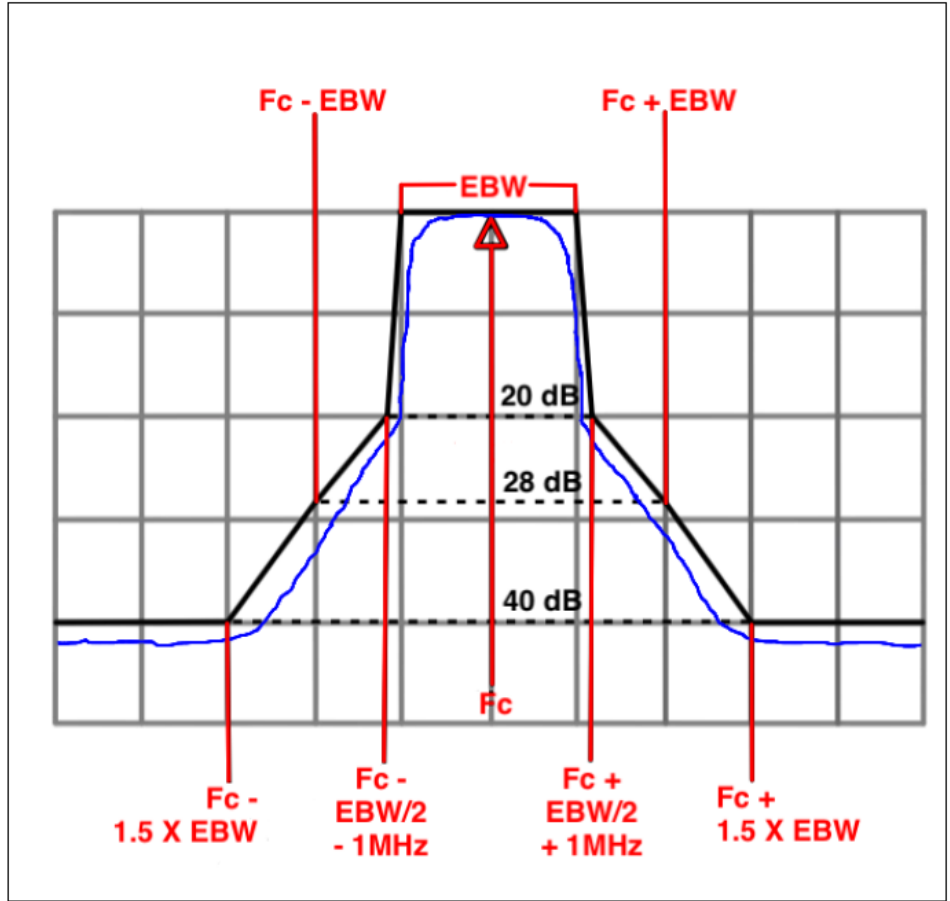
Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance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

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

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

Un-restricted band emissions above 1GHz Limit	
Frequency	Limit
Any outside the 5.945 – 7.125 GHz emission	e.i.r.p. -27 dBm [68.2 dBuV/m@3m] Note 1: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m($20 \times \log(\text{standard distance}/ \text{test distance}) = 20\log(3/1) = 9.54\text{dB}$). EX. Above 18GHz emission limit calculation (3m to 1m) = $68.2\text{dBuV/m at 3m} + 9.54\text{dB} = 77.74\text{ dBuV/m at 1m}$.
Frequency	Emission MASK Limit
5.945 – 7.125 GHz	Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the

limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB.





3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ 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). 	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> ▪ Refer as KDB 789033, clause G)1) for unwanted emissions into restricted bands.
	<input checked="" type="checkbox"/> Refer as KDB 789033, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	<input type="checkbox"/> Refer as KDB 789033, G)6) Method VB (Reduced VBW).
	<input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.(For restricted band average measurement)
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as KDB 789033, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
	<input checked="" type="checkbox"/> Refer as KDB 789033, clause G)3)d)iii) for Band edge Integration measurements.
<ul style="list-style-type: none"> ▪ For emission MASK shall be measured using following options below: 	
	<input checked="" type="checkbox"/> Refer as KDB 987594 D02, J) In-Band Emissions
<ul style="list-style-type: none"> ▪ For radiated measurement. 	
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
<ul style="list-style-type: none"> ▪ The any unwanted emissions level shall not exceed the fundamental emission level. 	
<ul style="list-style-type: none"> ▪ All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported. 	

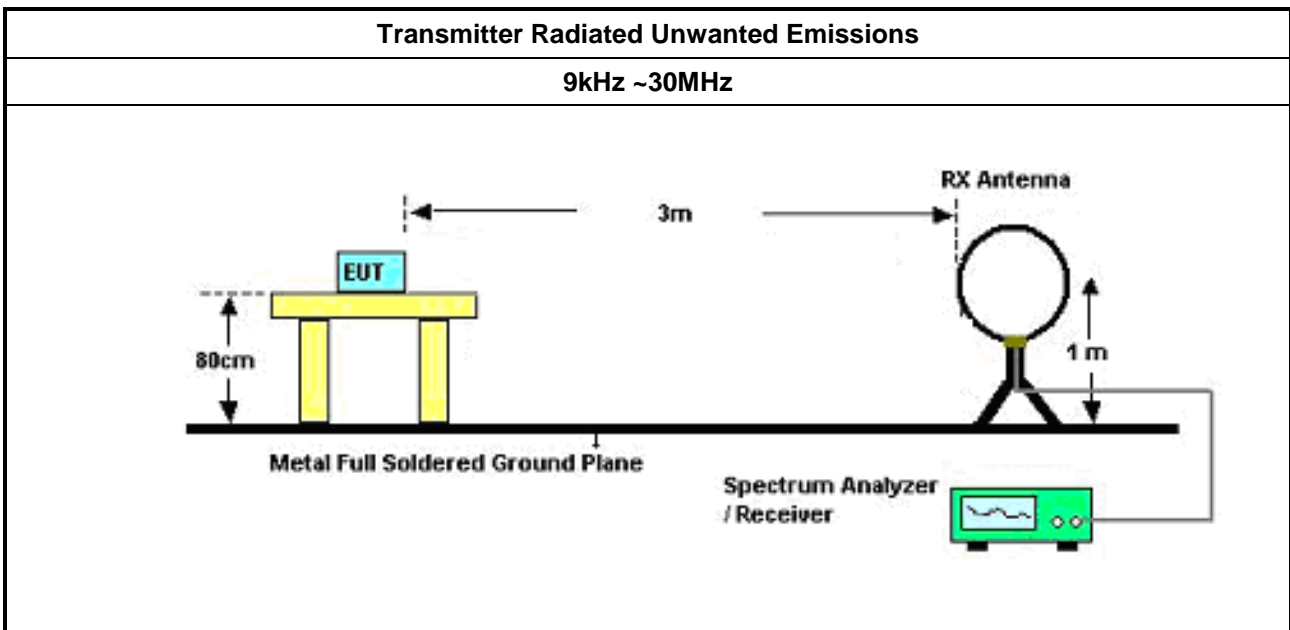
<ul style="list-style-type: none"> Use the following spectrum analyzer settings: 	
	<ul style="list-style-type: none"> Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification. 	
	<ul style="list-style-type: none"> Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

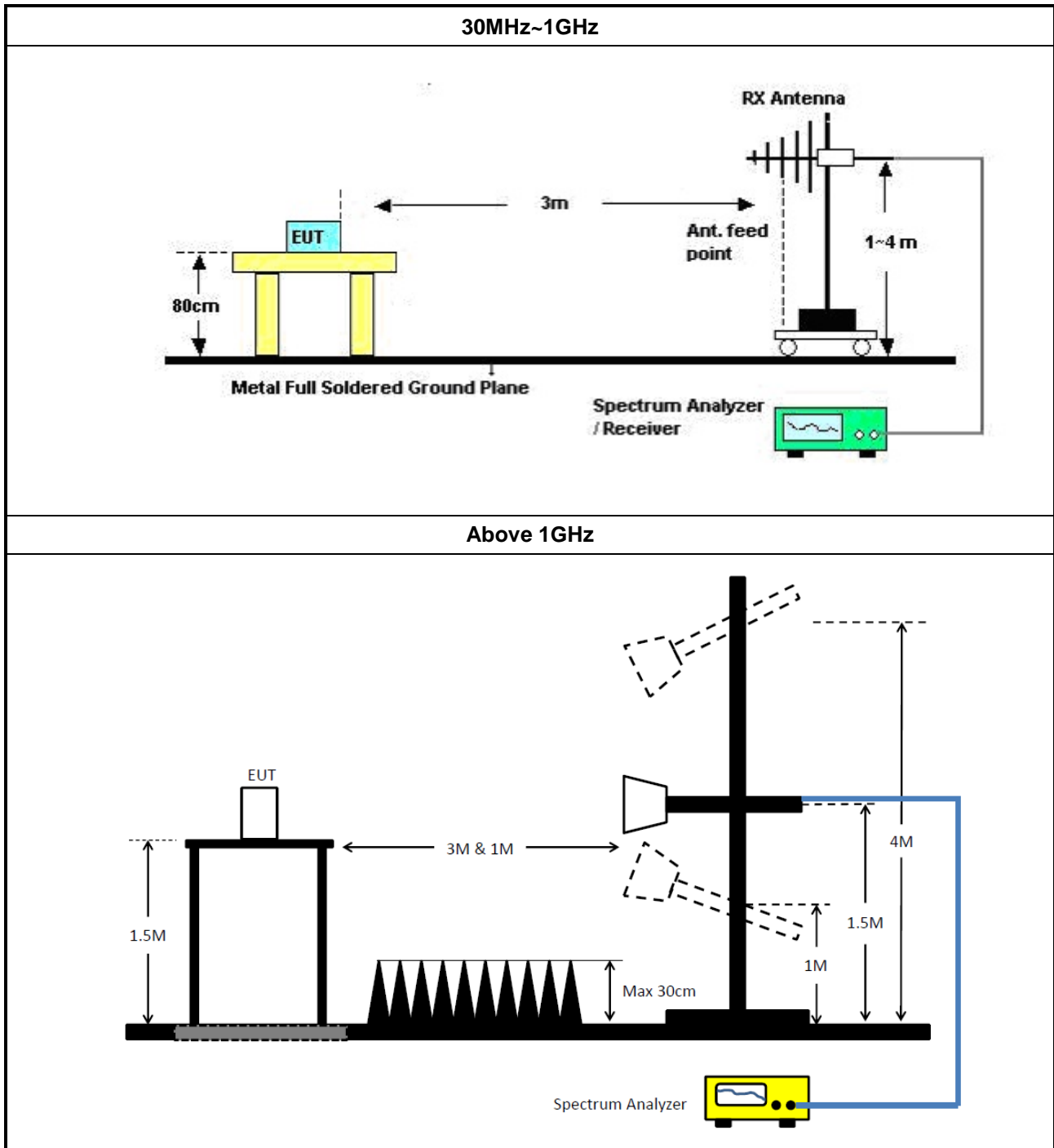
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.5 Test Setup





3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Contention Based Protocol

3.6.1 Contention Based Protocol Limit

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

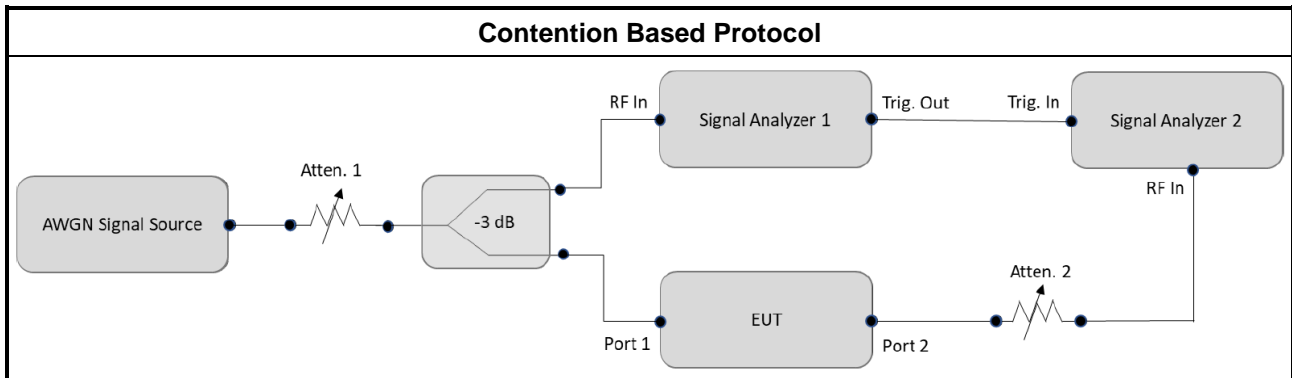
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102318	9kHz ~ 3.6GHz	29/Dec/2022	28/Dec/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	16/Feb/2023	15/Feb/2024
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	28/Feb/2023	27/Feb/2024
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	10/Apr/2023	09/Apr/2024
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
SENSE-15407_NII	Sporton	V5.11.5	N/A	N/A	N/A	N/A

Instrument for Contention-Based Protocol Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Generator	Keysight	N5171B	MY53051240	9kHz~6GHz	24/Nov/2022	23/Nov/2023
Vector Signal Generator	Keysight	N5182B	MY53051912	9kHz~6GHz	18/Mar/2023	17/Mar/2024
Spectrum Analyzer	R&S	FSP40	100593	9 kHz ~ 40 GHz	17/Mar/2023	16/Mar/2024
DFS-Adaptivity	Sporton	Ver 2.7	N/A	N/A	N/A	N/A
Adaptivity Analysis-5G	Sporton	Ver 2.8	N/A	N/A	N/A	N/A



Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	25/Mar/2023	24/Mar/2024
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	9kHz~30MHz	20/Dec/2022	19/Dec/2023
RF Cable	MVE	400LL+SN 200207	03CH02-cable-02	30MHz~1GHz	20/Dec/2022	19/Dec/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	16/Mar/2023	15/Mar/2024
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	23/Mar/2023	22/Mar/2024
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	30/May/2022	29/May/2023
SENSE-15407_NII	Sporton	Sporton	V5.11.5	NA	NA	NA

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	Sporton	V5.11.3	NA	NA	NA



Summary

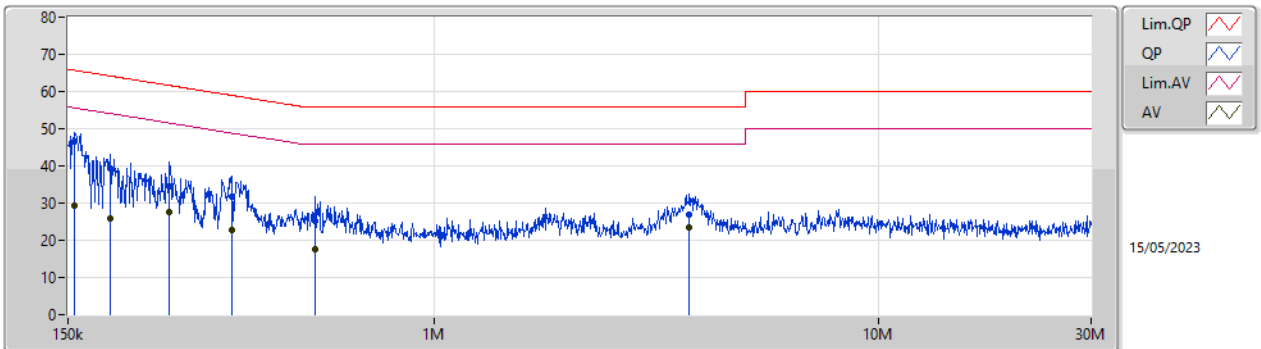
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	155.487k	46.59	65.69	-19.10	Line



Result

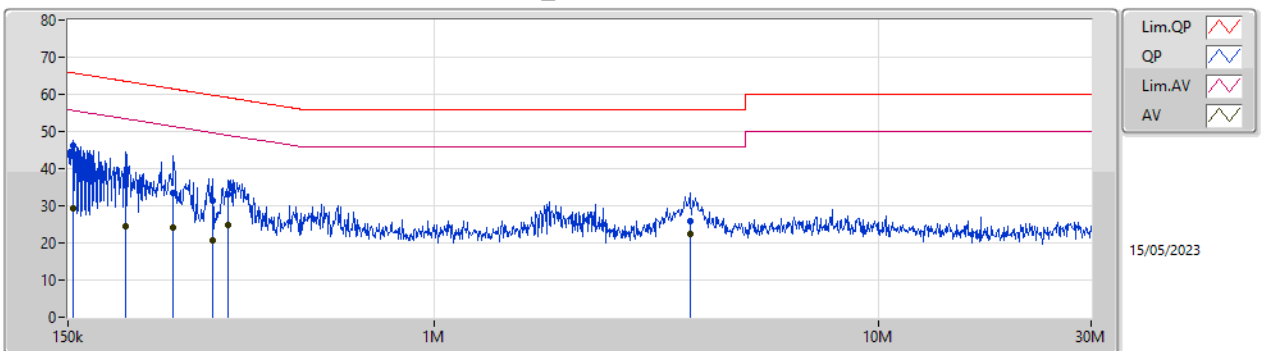
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	155.487k	46.59	65.69	-19.10	Line	-
Mode 1	Pass	AV	155.487k	29.29	55.69	-26.40	Line	-
Mode 1	Pass	QP	186.085k	39.31	64.20	-24.89	Line	-
Mode 1	Pass	AV	186.085k	25.84	54.20	-28.36	Line	-
Mode 1	Pass	QP	254.063k	34.46	61.62	-27.16	Line	-
Mode 1	Pass	AV	254.063k	27.61	51.62	-24.01	Line	-
Mode 1	Pass	QP	349.654k	31.62	58.96	-27.34	Line	-
Mode 1	Pass	AV	349.654k	22.62	48.96	-26.34	Line	-
Mode 1	Pass	QP	540.273k	25.07	56.00	-30.93	Line	-
Mode 1	Pass	AV	540.273k	17.42	46.00	-28.58	Line	-
Mode 1	Pass	QP	3.745M	27.02	56.00	-28.98	Line	-
Mode 1	Pass	AV	3.745M	23.39	46.00	-22.61	Line	-
Mode 1	Pass	QP	153.636k	46.18	65.81	-19.63	Neutral	-
Mode 1	Pass	AV	153.636k	29.25	55.81	-26.56	Neutral	-
Mode 1	Pass	QP	202.358k	35.52	63.51	-27.99	Neutral	-
Mode 1	Pass	AV	202.358k	24.37	53.51	-29.14	Neutral	-
Mode 1	Pass	QP	259.185k	33.55	61.45	-27.90	Neutral	-
Mode 1	Pass	AV	259.185k	24.26	51.45	-27.19	Neutral	-
Mode 1	Pass	QP	316.443k	31.40	59.80	-28.40	Neutral	-
Mode 1	Pass	AV	316.443k	20.56	49.80	-29.24	Neutral	-
Mode 1	Pass	QP	344.115k	33.20	59.10	-25.90	Neutral	-
Mode 1	Pass	AV	344.115k	24.77	49.10	-24.33	Neutral	-
Mode 1	Pass	QP	3.76M	25.78	56.00	-30.22	Neutral	-
Mode 1	Pass	AV	3.76M	22.26	46.00	-23.74	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	155.487k	46.59	65.69	-19.10	19.61	Line	-	26.98	9.65	0.03	9.93
AV	155.487k	29.29	55.69	-26.40	19.61	Line	-	9.68	9.65	0.03	9.93
QP	186.085k	39.31	64.20	-24.89	19.61	Line	-	19.70	9.65	0.03	9.93
AV	186.085k	25.84	54.20	-28.36	19.61	Line	-	6.23	9.65	0.03	9.93
QP	254.063k	34.46	61.62	-27.16	19.62	Line	-	14.84	9.65	0.03	9.94
AV	254.063k	27.61	51.62	-24.01	19.62	Line	-	7.99	9.65	0.03	9.94
QP	349.654k	31.62	58.96	-27.34	19.63	Line	-	11.99	9.64	0.04	9.95
AV	349.654k	22.62	48.96	-26.34	19.63	Line	-	2.99	9.64	0.04	9.95
QP	540.273k	25.07	56.00	-30.93	19.63	Line	-	5.44	9.64	0.04	9.95
AV	540.273k	17.42	46.00	-28.58	19.63	Line	-	-2.21	9.64	0.04	9.95
QP	3.745M	27.02	56.00	-28.98	19.76	Line	-	7.26	9.70	0.13	9.93
AV	3.745M	23.39	46.00	-22.61	19.76	Line	-	3.63	9.70	0.13	9.93

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	153.636k	46.18	65.81	-19.63	19.59	Neutral	-	26.59	9.63	0.03	9.93
AV	153.636k	29.25	55.81	-26.56	19.59	Neutral	-	9.66	9.63	0.03	9.93
QP	202.358k	35.52	63.51	-27.99	19.58	Neutral	-	15.94	9.62	0.03	9.93
AV	202.358k	24.37	53.51	-29.14	19.58	Neutral	-	4.79	9.62	0.03	9.93
QP	259.185k	33.55	61.45	-27.90	19.59	Neutral	-	13.96	9.62	0.03	9.94
AV	259.185k	24.26	51.45	-27.19	19.59	Neutral	-	4.67	9.62	0.03	9.94
QP	316.443k	31.40	59.80	-28.40	19.62	Neutral	-	11.78	9.63	0.04	9.95
AV	316.443k	20.56	49.80	-29.24	19.62	Neutral	-	0.94	9.63	0.04	9.95
QP	344.115k	33.20	59.10	-25.90	19.62	Neutral	-	13.58	9.63	0.04	9.95
AV	344.115k	24.77	49.10	-24.33	19.62	Neutral	-	5.15	9.63	0.04	9.95
QP	3.76M	25.78	56.00	-30.22	19.74	Neutral	-	6.04	9.68	0.13	9.93
AV	3.76M	22.26	46.00	-23.74	19.74	Neutral	-	2.52	9.68	0.13	9.93



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	24.475M	19.19M	19M2D1D	21.835M	19.065M
802.11ax HEW40_Nss1,(MCS0)_4TX	45.21M	37.881M	37M9D1D	41.36M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	85.58M	77.561M	77M6D1D	81.84M	77.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.88M	156.522M	157MD1D	163.68M	156.122M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	24.75M	19.19M	19M2D1D	22.165M	19.115M
802.11ax HEW40_Nss1,(MCS0)_4TX	42.24M	37.881M	37M9D1D	41.36M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	94.6M	77.561M	77M6D1D	82.5M	77.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	165M	156.722M	157MD1D	164.12M	156.122M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	24.695M	19.165M	19M2D1D	21.34M	19.09M
802.11ax HEW40_Nss1,(MCS0)_4TX	46.75M	37.881M	37M9D1D	40.92M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	85.8M	77.661M	77M7D1D	81.84M	77.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.44M	156.522M	157MD1D	164.12M	156.122M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	24.42M	19.19M	19M2D1D	21.67M	19.115M
802.11ax HEW40_Nss1,(MCS0)_4TX	52.69M	37.931M	37M9D1D	41.25M	37.781M
802.11ax HEW80_Nss1,(MCS0)_4TX	84.48M	77.561M	77M6D1D	81.84M	77.261M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.56M	156.322M	156MD1D	163.68M	156.122M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	23.595M	19.115M	24.2M	19.09M	22.055M	19.115M	21.835M	19.14M
6175MHz	Pass	Inf	21.89M	19.09M	22.88M	19.19M	24.475M	19.065M	23.705M	19.14M
6415MHz	Pass	Inf	22.33M	19.165M	23.43M	19.14M	22.385M	19.14M	23.21M	19.115M
6435MHz	Pass	Inf	23.76M	19.165M	24.75M	19.14M	22.275M	19.19M	23.43M	19.14M
6475MHz	Pass	Inf	23.87M	19.14M	23.43M	19.115M	23.265M	19.115M	23.045M	19.115M
6515MHz	Pass	Inf	22.385M	19.14M	22.165M	19.14M	22.77M	19.165M	23.54M	19.14M
6535MHz	Pass	Inf	24.365M	19.14M	21.34M	19.14M	22.825M	19.115M	24.365M	19.115M
6695MHz	Pass	Inf	22.935M	19.14M	22.77M	19.115M	21.78M	19.115M	23.375M	19.115M
6855MHz	Pass	Inf	21.835M	19.09M	23.045M	19.14M	24.695M	19.165M	22.11M	19.115M
6875MHz	Pass	Inf	22.495M	19.14M	22.055M	19.115M	22.605M	19.165M	22M	19.14M
6895MHz	Pass	Inf	22.22M	19.14M	22.55M	19.14M	24.42M	19.115M	22.055M	19.115M
6995MHz	Pass	Inf	22.66M	19.165M	21.89M	19.19M	23.045M	19.14M	23.54M	19.19M
7095MHz	Pass	Inf	23.045M	19.14M	21.67M	19.14M	24.255M	19.165M	24.42M	19.14M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	44.33M	37.831M	42.02M	37.781M	44.66M	37.881M	41.8M	37.881M
6165MHz	Pass	Inf	41.58M	37.781M	41.36M	37.881M	41.69M	37.831M	45.21M	37.881M
6405MHz	Pass	Inf	42.02M	37.881M	41.47M	37.831M	41.69M	37.881M	41.58M	37.831M
6445MHz	Pass	Inf	41.47M	37.881M	41.8M	37.781M	41.8M	37.881M	42.24M	37.781M
6485MHz	Pass	Inf	41.58M	37.831M	41.91M	37.831M	41.58M	37.781M	41.91M	37.831M
6525MHz	Pass	Inf	41.58M	37.831M	41.8M	37.831M	41.58M	37.831M	41.36M	37.831M
6565MHz	Pass	Inf	41.8M	37.831M	42.9M	37.831M	42.02M	37.831M	42.02M	37.831M
6685MHz	Pass	Inf	41.91M	37.881M	40.92M	37.781M	40.92M	37.781M	46.75M	37.881M
6845MHz	Pass	Inf	41.03M	37.831M	40.92M	37.831M	41.36M	37.831M	41.8M	37.881M
6885MHz	Pass	Inf	42.13M	37.881M	46.09M	37.881M	41.58M	37.831M	42.35M	37.881M
6925MHz	Pass	Inf	45.65M	37.881M	41.69M	37.831M	41.58M	37.881M	41.47M	37.831M
7005MHz	Pass	Inf	42.9M	37.831M	41.58M	37.831M	42.02M	37.881M	41.25M	37.781M
7085MHz	Pass	Inf	52.69M	37.881M	43.56M	37.881M	45.32M	37.931M	44.22M	37.881M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	84.26M	77.361M	83.16M	77.361M	83.82M	77.361M	82.72M	77.361M
6145MHz	Pass	Inf	85.58M	77.561M	84.48M	77.361M	82.28M	77.361M	83.16M	77.461M
6385MHz	Pass	Inf	83.38M	77.361M	83.6M	77.461M	82.06M	77.361M	81.84M	77.461M
6465MHz	Pass	Inf	83.38M	77.461M	82.94M	77.461M	83.38M	77.561M	83.38M	77.461M
6545MHz	Pass	Inf	82.5M	77.461M	84.48M	77.561M	94.6M	77.461M	84.26M	77.361M
6625MHz	Pass	Inf	81.84M	77.461M	82.72M	77.461M	82.28M	77.361M	82.5M	77.461M
6705MHz	Pass	Inf	82.28M	77.361M	82.28M	77.461M	82.28M	77.661M	82.94M	77.461M
6785MHz	Pass	Inf	83.16M	77.461M	84.92M	77.461M	82.5M	77.461M	82.06M	77.561M
6865MHz	Pass	Inf	82.5M	77.561M	83.82M	77.461M	82.06M	77.361M	85.8M	77.461M
6945MHz	Pass	Inf	83.38M	77.461M	84.48M	77.561M	83.82M	77.361M	82.94M	77.561M
7025MHz	Pass	Inf	82.72M	77.261M	83.82M	77.361M	82.06M	77.361M	81.84M	77.361M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	165.88M	156.522M	164.56M	156.122M	164.56M	156.122M	164.56M	156.322M
6185MHz	Pass	Inf	163.68M	156.322M	164.56M	156.322M	165.44M	156.322M	164.12M	156.322M
6345MHz	Pass	Inf	165M	156.322M	165M	156.522M	165M	156.322M	165.44M	156.522M
6505MHz	Pass	Inf	164.12M	156.122M	165M	156.522M	165M	156.322M	164.12M	156.722M
6665MHz	Pass	Inf	165.44M	156.322M	164.56M	156.322M	165M	156.522M	164.56M	156.522M
6825MHz	Pass	Inf	165M	156.522M	164.12M	156.122M	165.44M	156.322M	165M	156.322M
6985MHz	Pass	Inf	164.56M	156.322M	163.68M	156.122M	163.68M	156.322M	164.56M	156.122M

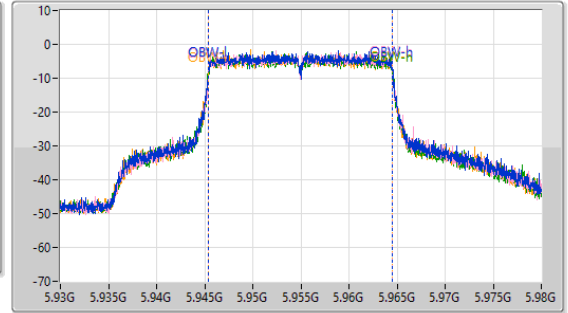
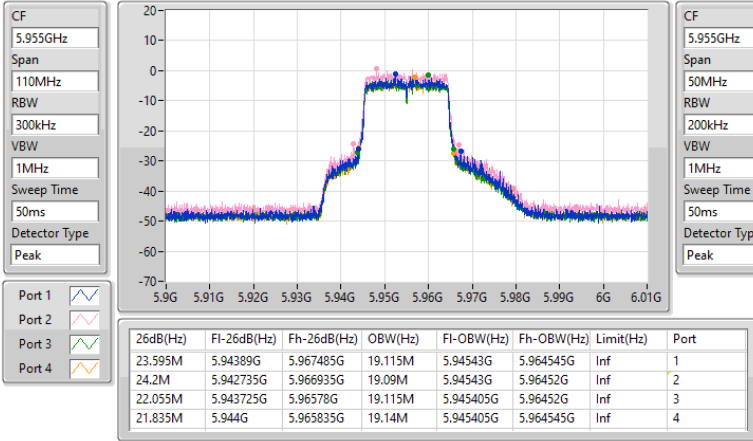
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5955MHz

08/05/2023

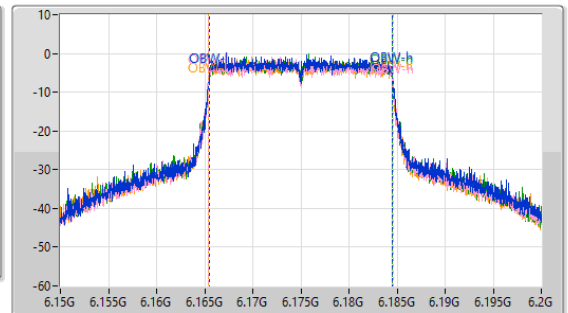
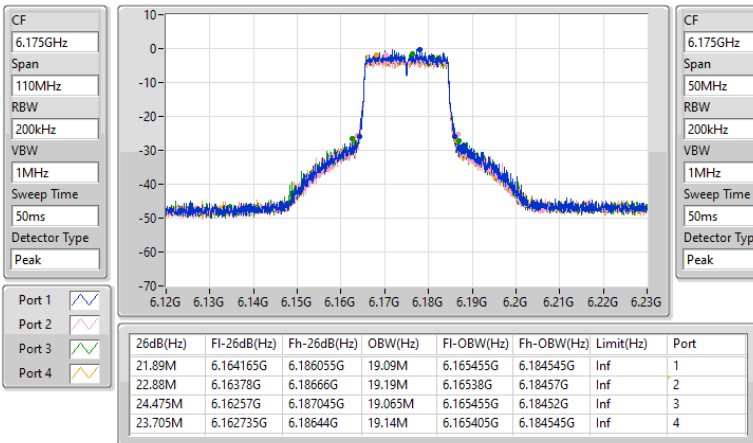


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6175MHz

09/05/2023

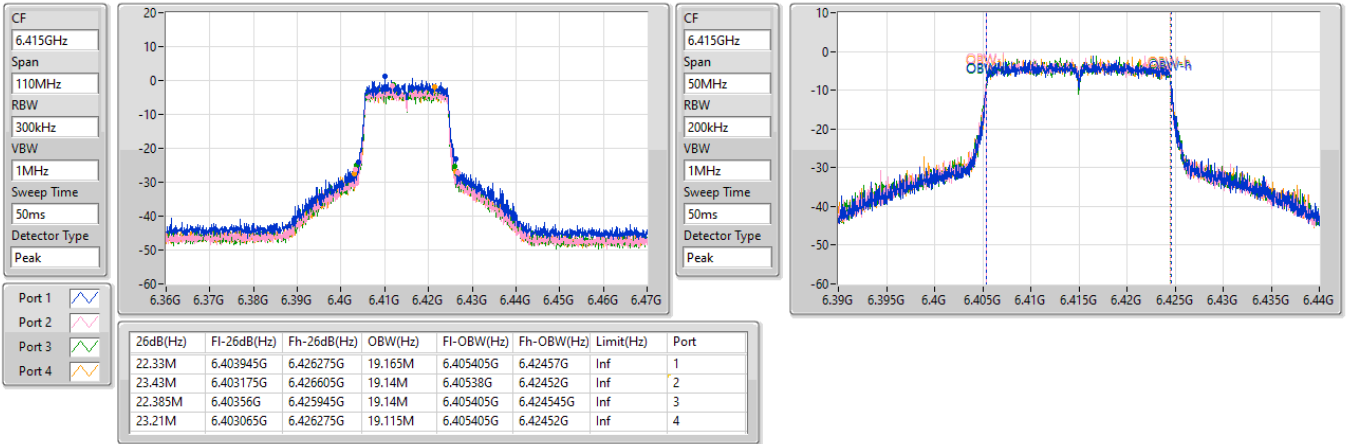


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6415MHz

09/05/2023

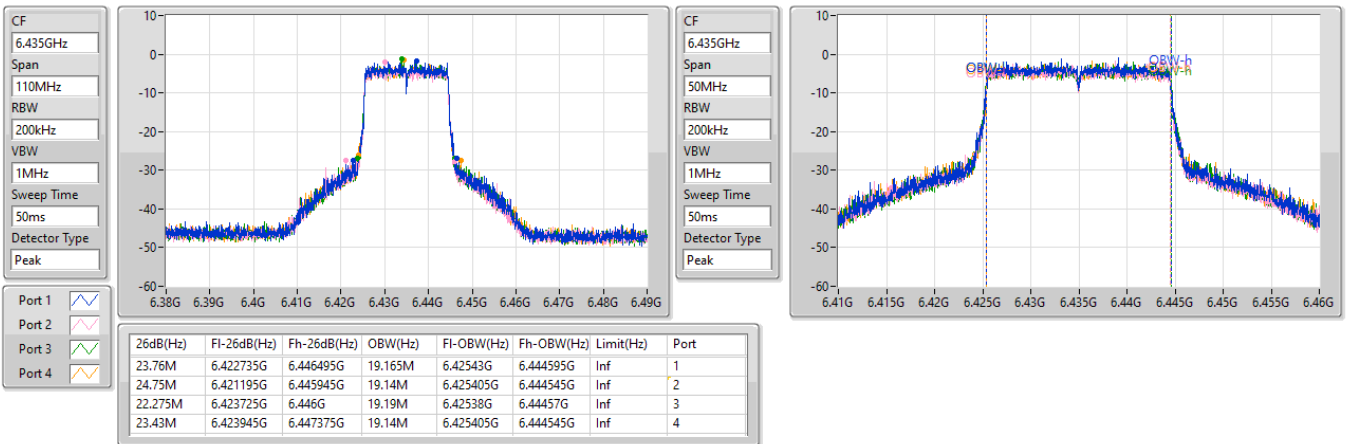


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6435MHz

09/05/2023

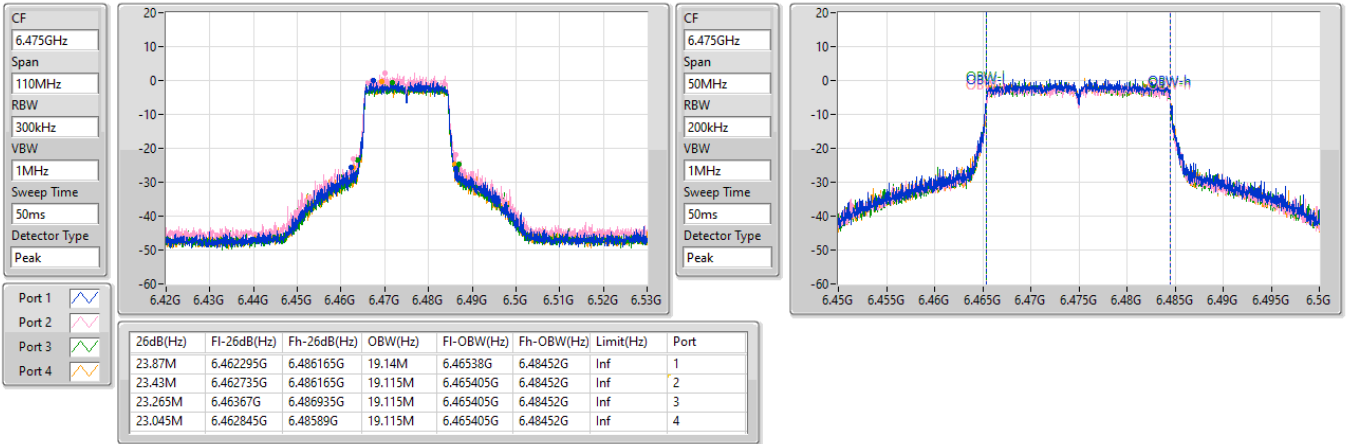


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6475MHz

08/05/2023

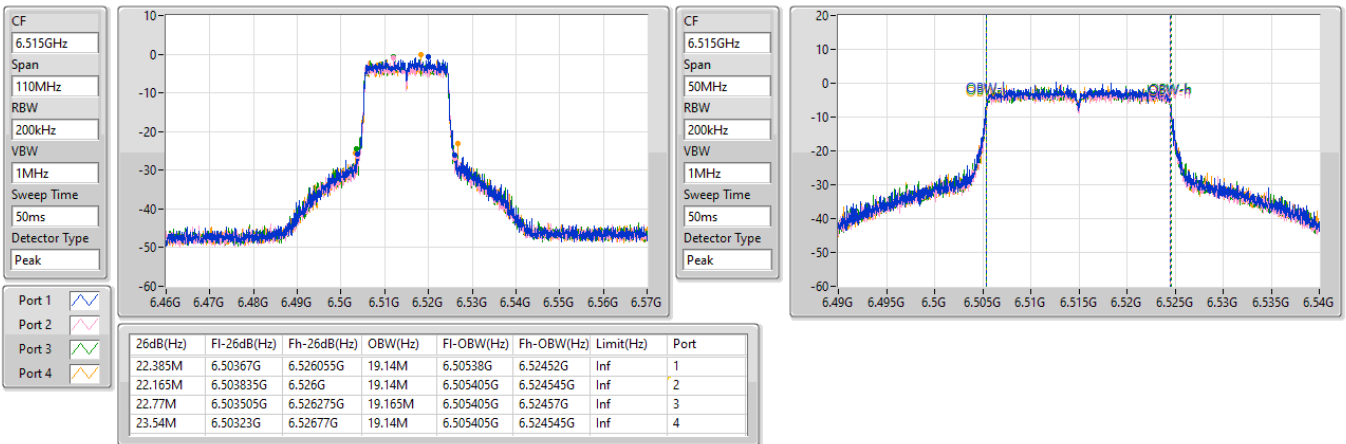


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6515MHz

08/05/2023

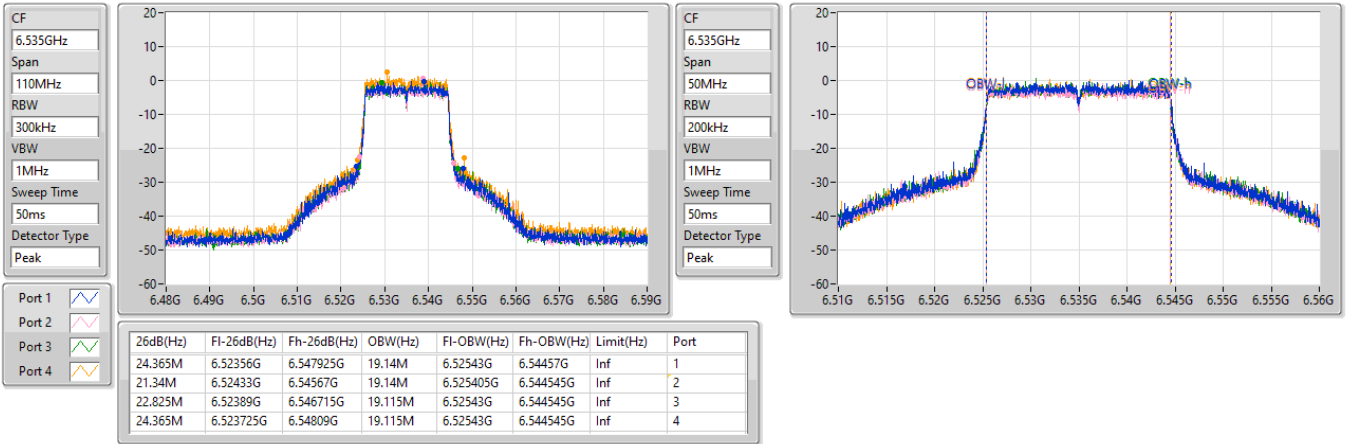


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6535MHz

09/05/2023

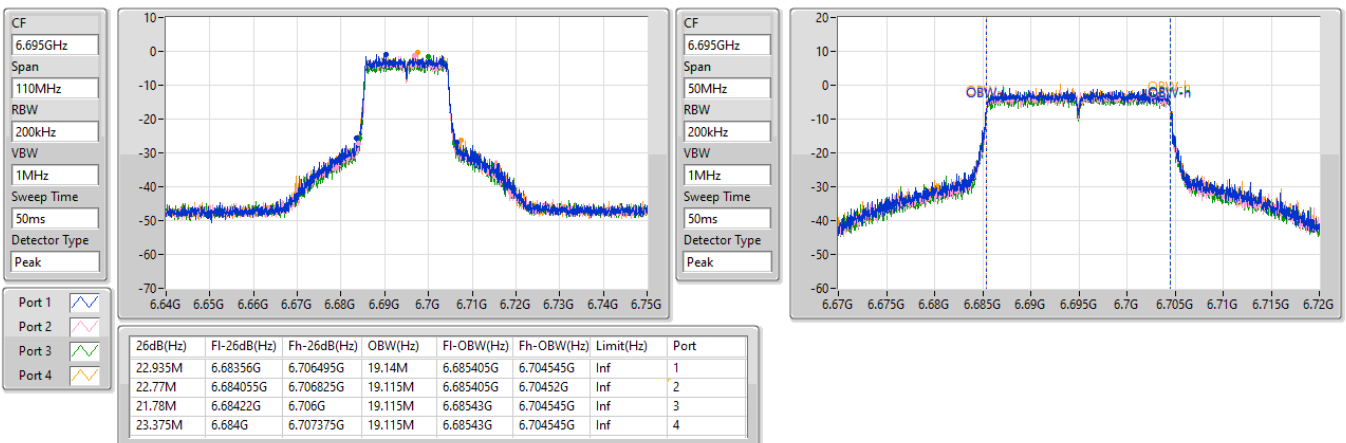


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6695MHz

08/05/2023

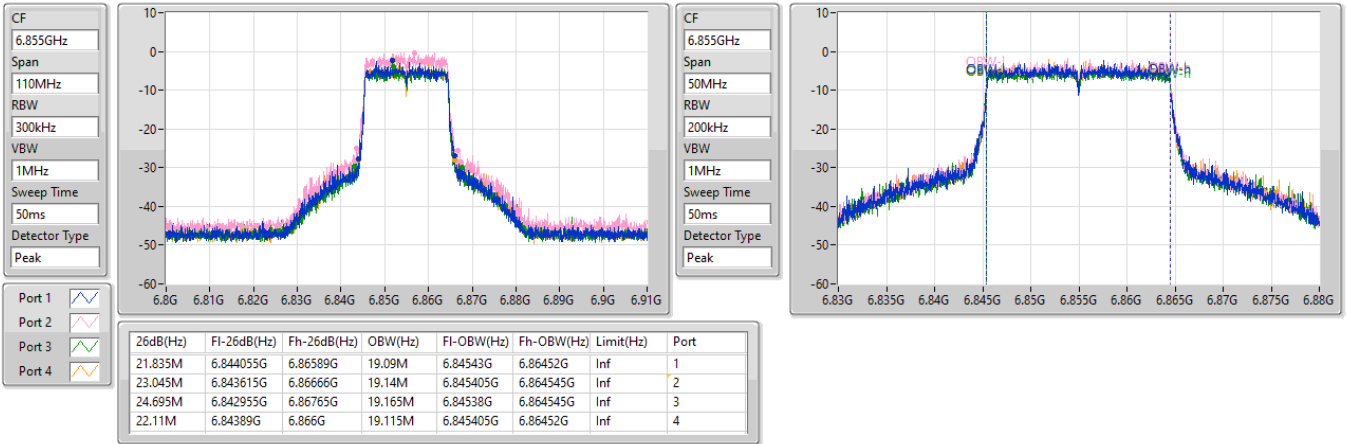


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6855MHz

08/05/2023

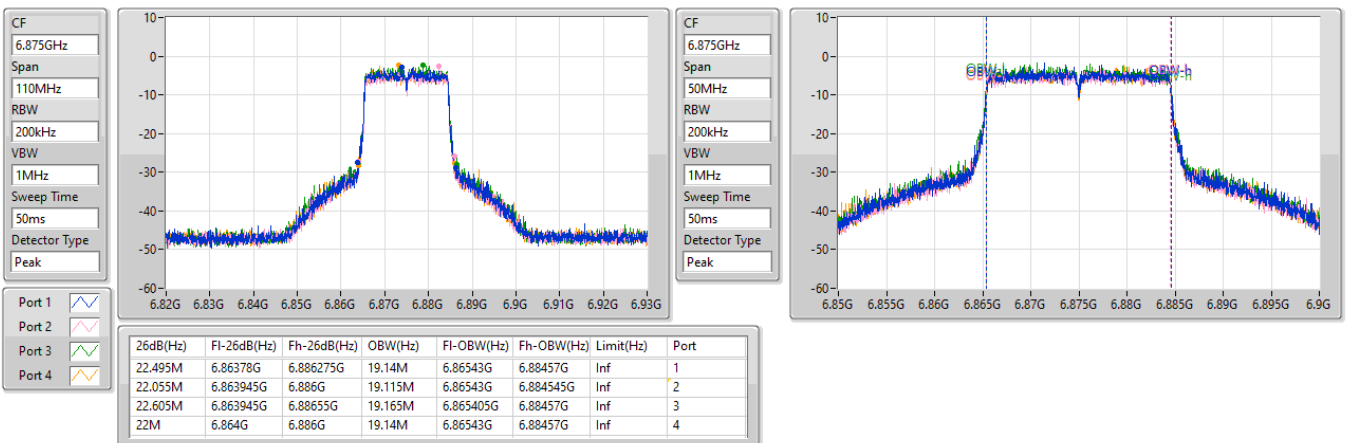


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6875MHz

08/05/2023

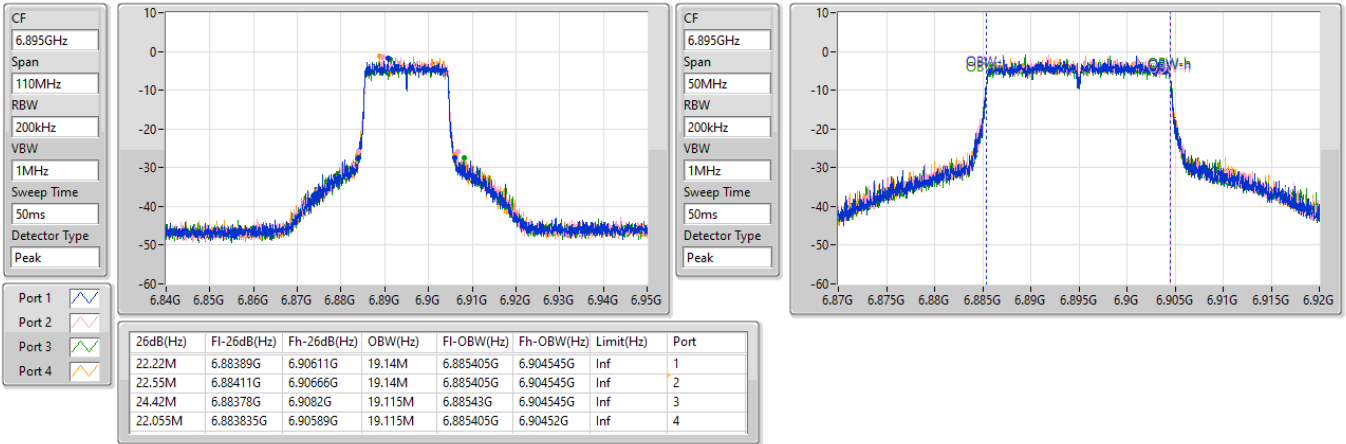


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6895MHz

09/05/2023

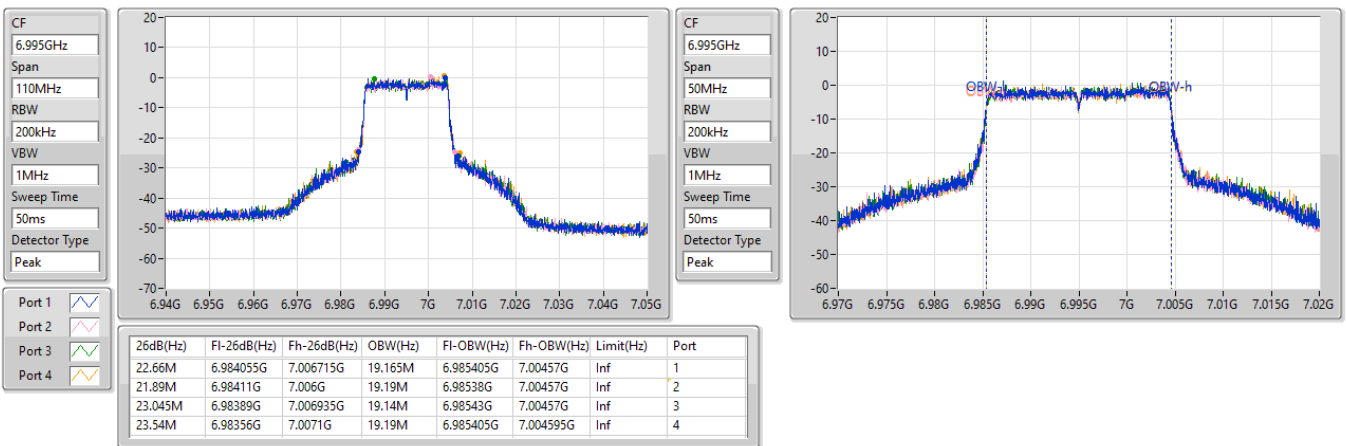


6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6995MHz

09/05/2023



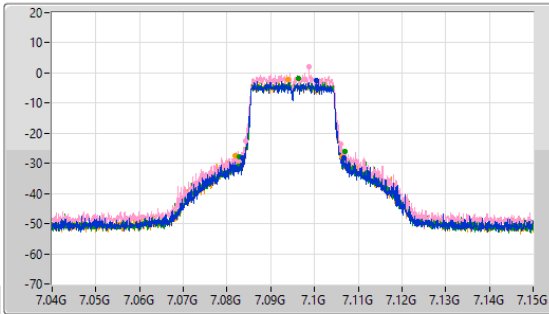
6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

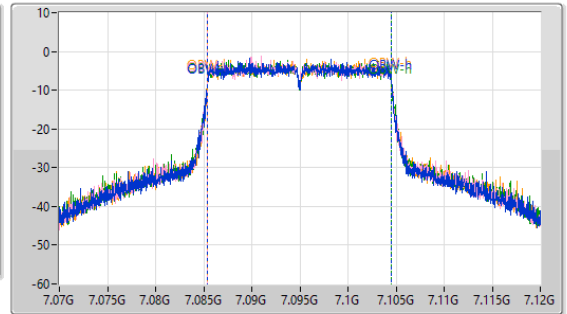
7095MHz

09/05/2023

CF: 7.095GHz
 Span: 110MHz
 RBW: 300kHz
 VBW: 1MHz
 Sweep Time: 50ms
 Detector Type: Peak



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



Port 1: [Waveform]
 Port 2: [Waveform]
 Port 3: [Waveform]
 Port 4: [Waveform]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.045M	7.08356G	7.106605G	19.14M	7.085405G	7.104545G	Inf	1
21.67M	7.08422G	7.10589G	19.14M	7.085405G	7.104545G	Inf	2
24.255M	7.08268G	7.106935G	19.165M	7.08538G	7.104545G	Inf	3
24.42M	7.081745G	7.106165G	19.14M	7.085405G	7.104545G	Inf	4

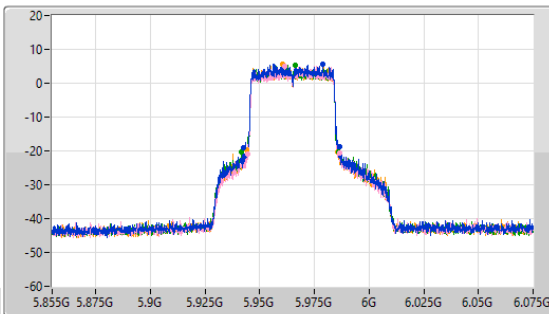
5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

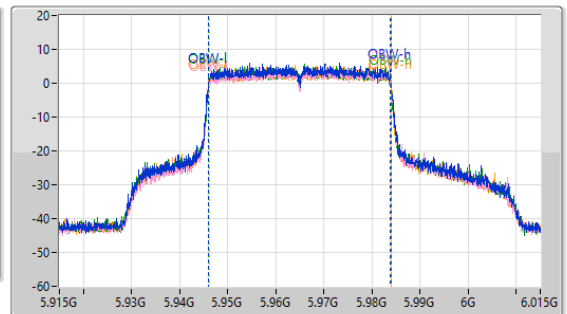
5965MHz

09/05/2023

CF: 5.965GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 5.965GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Waveform]
 Port 2: [Waveform]
 Port 3: [Waveform]
 Port 4: [Waveform]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.33M	5.94234G	5.98667G	37.831M	5.946059G	5.983891G	Inf	1
42.02M	5.94443G	5.98645G	37.781M	5.946109G	5.983891G	Inf	2
44.66M	5.94157G	5.98623G	37.881M	5.946059G	5.983941G	Inf	3
41.8M	5.94377G	5.98557G	37.881M	5.946059G	5.983941G	Inf	4

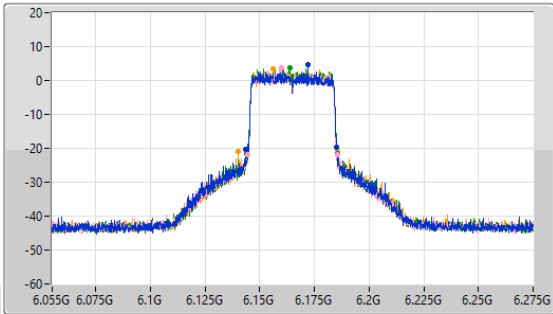
5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

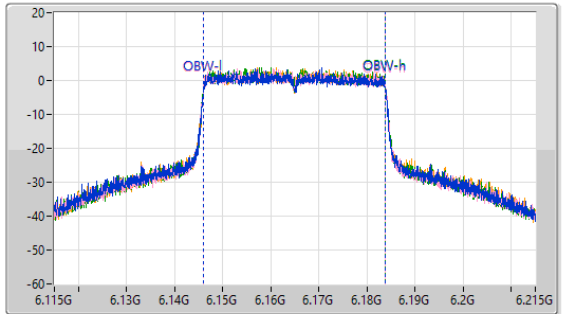
6165MHz

08/05/2023

CF: 6.165GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.165GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.58M	6.14355G	6.18513G	37.781M	6.146059G	6.183841G	Inf	1
41.36M	6.14432G	6.18568G	37.881M	6.146009G	6.183891G	Inf	2
41.69M	6.14399G	6.18568G	37.831M	6.146059G	6.183891G	Inf	3
45.21M	6.14025G	6.18546G	37.881M	6.146009G	6.183891G	Inf	4

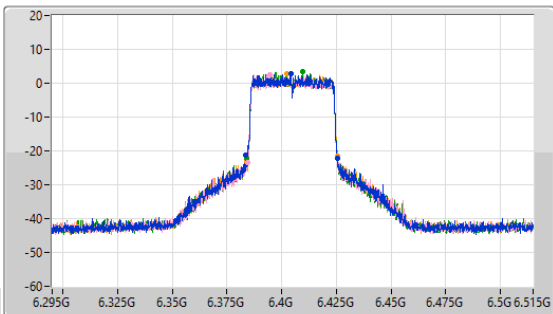
5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

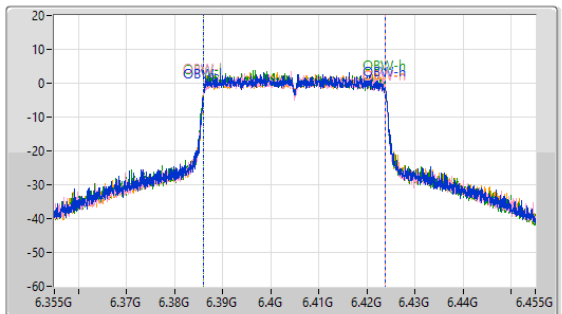
6405MHz

08/05/2023

CF: 6.405GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.405GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.02M	6.38355G	6.42557G	37.881M	6.386009G	6.423891G	Inf	1
41.47M	6.38432G	6.42579G	37.831M	6.386059G	6.423891G	Inf	2
41.69M	6.38388G	6.42557G	37.881M	6.386009G	6.423891G	Inf	3
41.58M	6.38399G	6.42557G	37.831M	6.386059G	6.423891G	Inf	4

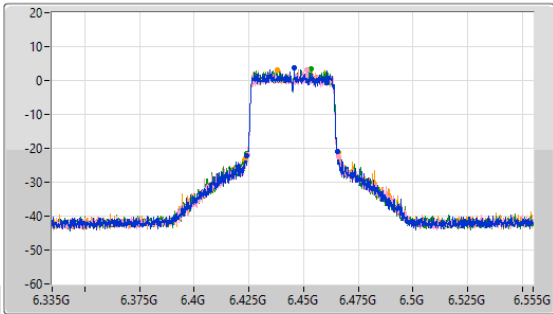
6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

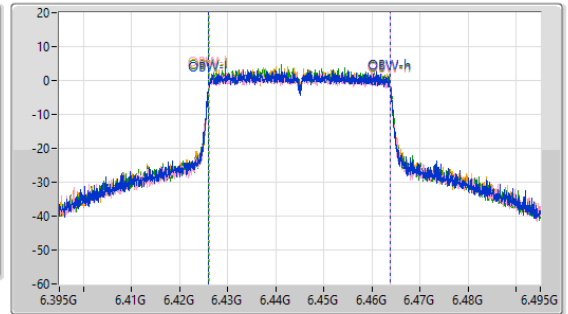
6445MHz

08/05/2023

CF
6.445GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.445GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.47M	6.42388G	6.46535G	37.881M	6.426009G	6.463891G	Inf	1
41.8M	6.42432G	6.46612G	37.781M	6.426059G	6.463841G	Inf	2
41.8M	6.4241G	6.4659G	37.881M	6.426009G	6.463891G	Inf	3
42.24M	6.42366G	6.4659G	37.781M	6.426109G	6.463891G	Inf	4

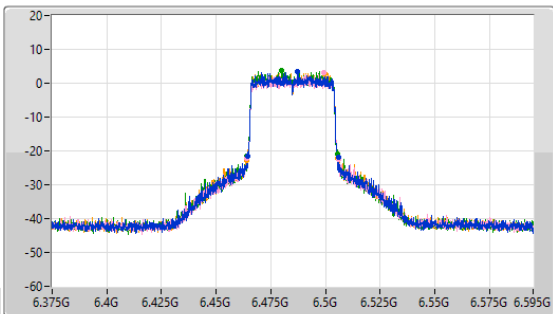
6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

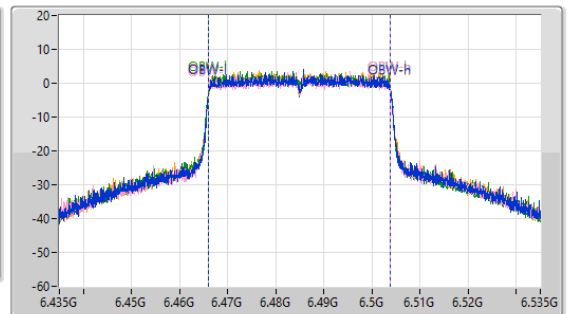
6485MHz

08/05/2023

CF
6.485GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.485GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.58M	6.46443G	6.50601G	37.831M	6.466059G	6.503891G	Inf	1
41.91M	6.4641G	6.50601G	37.831M	6.466059G	6.503891G	Inf	2
41.58M	6.46388G	6.50546G	37.781M	6.466059G	6.503841G	Inf	3
41.91M	6.46377G	6.50568G	37.831M	6.466059G	6.503891G	Inf	4

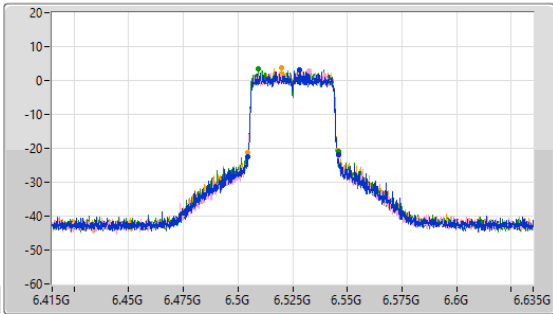
6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

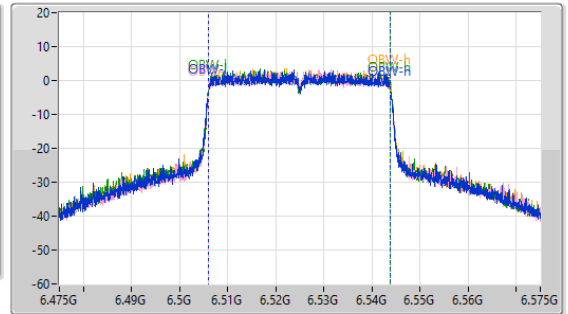
6525MHz

08/05/2023

CF
6.525GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.525GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.58M	6.50454G	6.54612G	37.831M	6.506059G	6.543891G	Inf	1
41.8M	6.50421G	6.54601G	37.831M	6.506059G	6.543891G	Inf	2
41.58M	6.50443G	6.54601G	37.831M	6.506059G	6.543891G	Inf	3
41.36M	6.50421G	6.54557G	37.831M	6.506059G	6.543891G	Inf	4

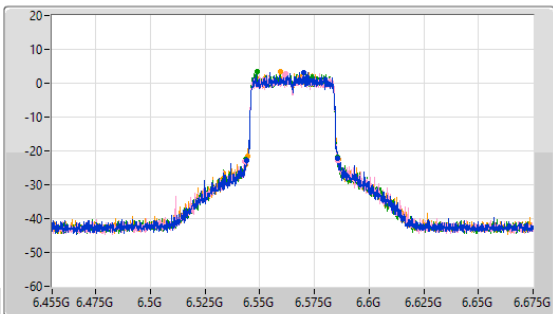
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

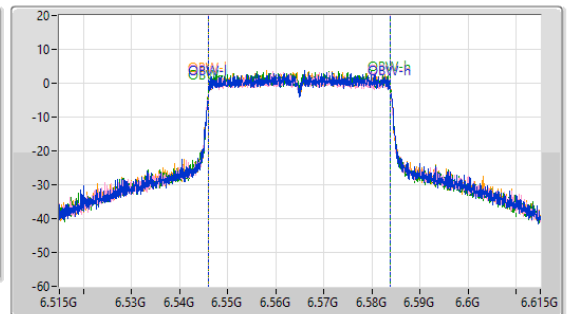
6565MHz

08/05/2023

CF
6.565GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.565GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.8M	6.54377G	6.58557G	37.831M	6.546059G	6.583891G	Inf	1
42.9M	6.54289G	6.58579G	37.831M	6.546059G	6.583891G	Inf	2
42.02M	6.54333G	6.58535G	37.831M	6.546059G	6.583891G	Inf	3
42.02M	6.54421G	6.58623G	37.831M	6.546059G	6.583891G	Inf	4

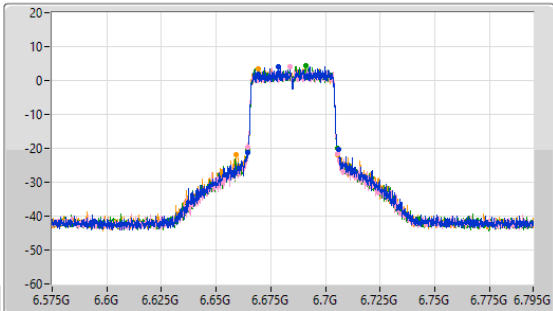
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

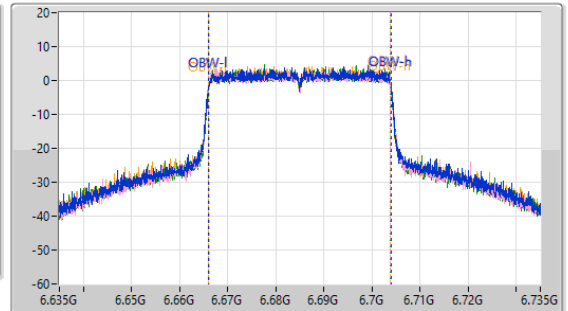
6685MHz

08/05/2023

CF
6.685GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.685GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.91M	6.66421G	6.70612G	37.881M	6.666059G	6.703941G	Inf	1
40.92M	6.66454G	6.70546G	37.781M	6.666109G	6.703891G	Inf	2
40.92M	6.66443G	6.70535G	37.781M	6.666059G	6.703841G	Inf	3
46.75M	6.65904G	6.70579G	37.881M	6.666009G	6.703891G	Inf	4

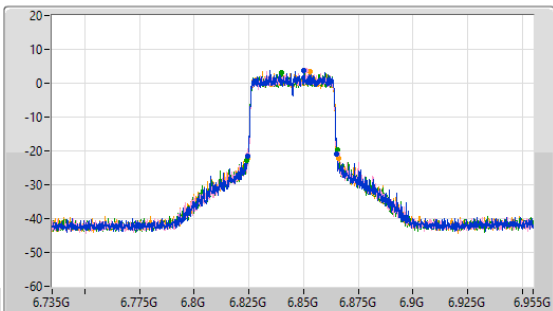
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

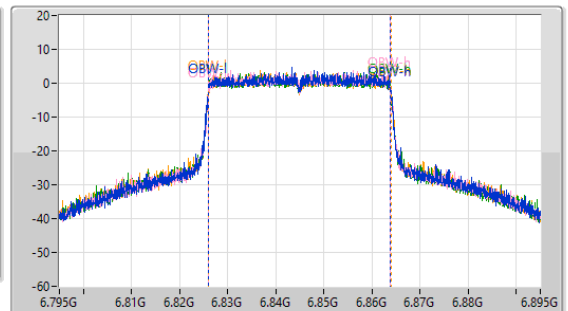
6845MHz

08/05/2023

CF
6.845GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.845GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.03M	6.82421G	6.86524G	37.831M	6.826059G	6.863891G	Inf	1
40.92M	6.82454G	6.86546G	37.831M	6.826059G	6.863891G	Inf	2
41.36M	6.82399G	6.86535G	37.831M	6.826059G	6.863891G	Inf	3
41.8M	6.82421G	6.86601G	37.881M	6.826059G	6.863941G	Inf	4

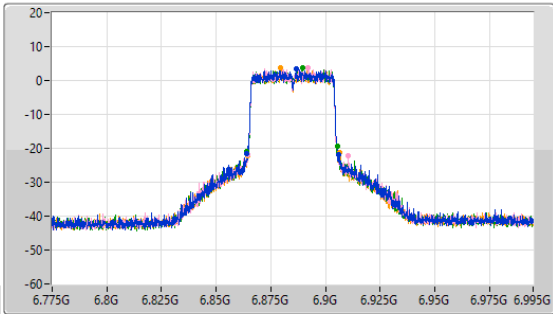
6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

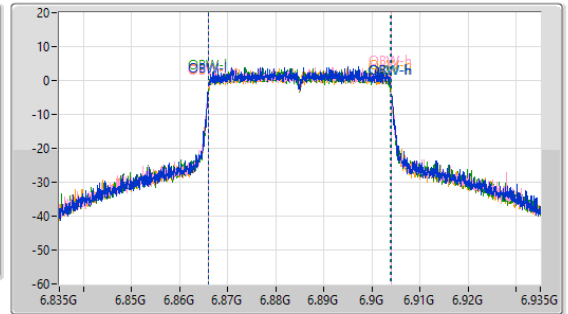
6885MHz

08/05/2023

CF: 6.885GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.885GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.13M	6.8641G	6.90623G	37.881M	6.866059G	6.903941G	Inf	1
46.09M	6.86443G	6.91052G	37.881M	6.866059G	6.903941G	Inf	2
41.58M	6.86388G	6.90546G	37.831M	6.866059G	6.903891G	Inf	3
42.35M	6.86432G	6.90667G	37.881M	6.866059G	6.903941G	Inf	4

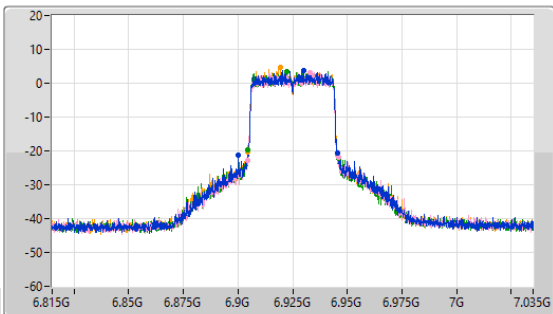
6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

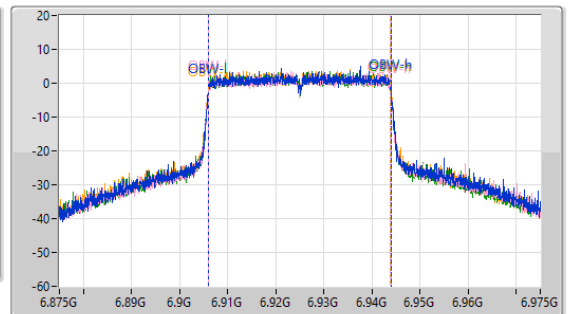
6925MHz

08/05/2023

CF: 6.925GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.925GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

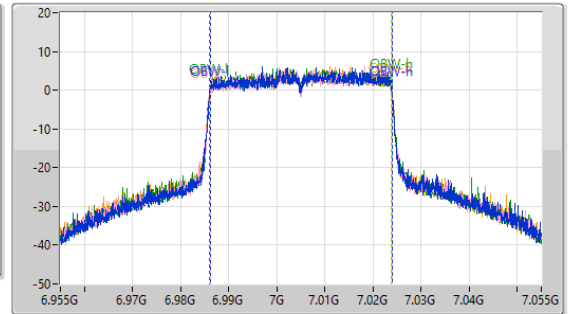
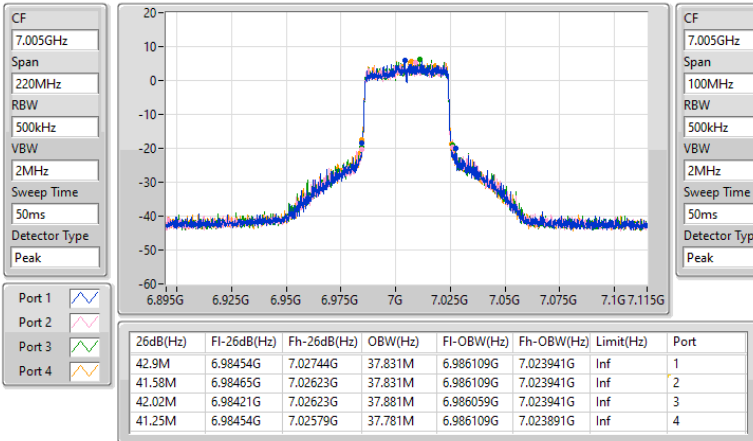
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
45.65M	6.90014G	6.94579G	37.881M	6.906059G	6.943941G	Inf	1
41.69M	6.90421G	6.9459G	37.831M	6.906059G	6.943891G	Inf	2
41.58M	6.90454G	6.94612G	37.881M	6.906059G	6.943941G	Inf	3
41.47M	6.90432G	6.94579G	37.831M	6.906059G	6.943891G	Inf	4

6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

7005MHz

08/05/2023

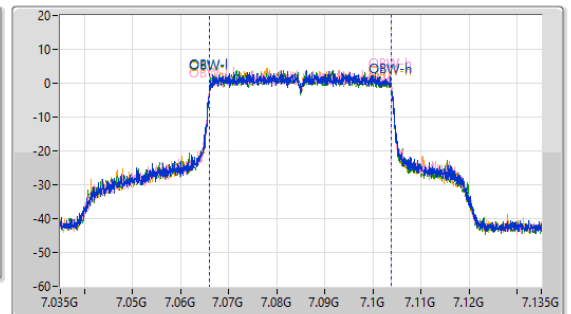
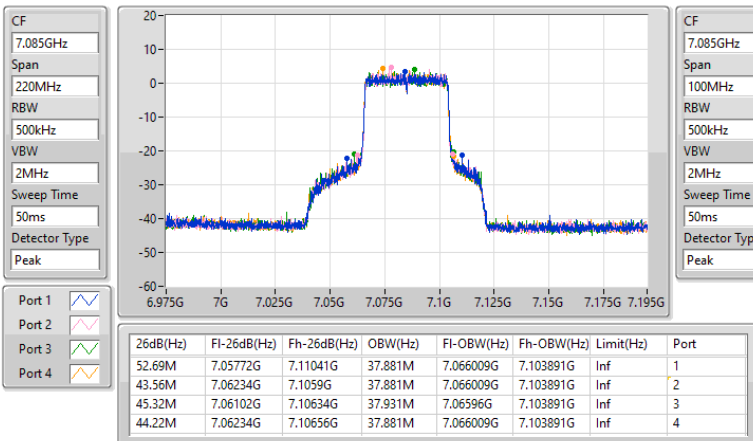


6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

7085MHz

08/05/2023

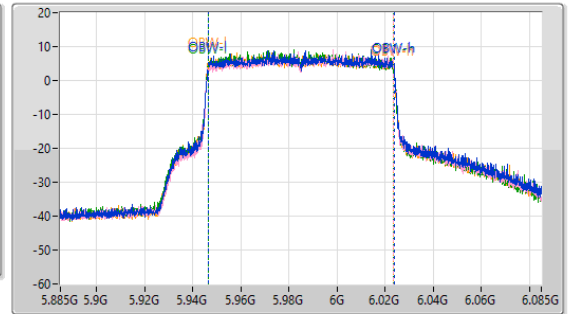
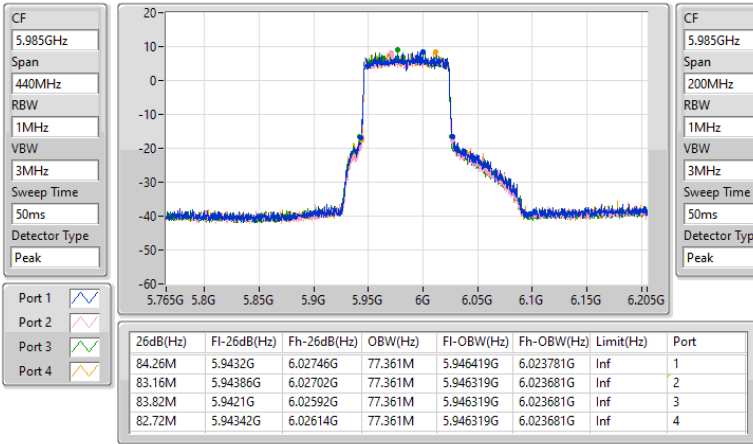


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5985MHz

09/05/2023

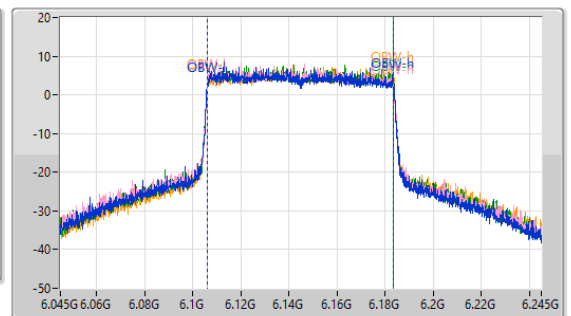
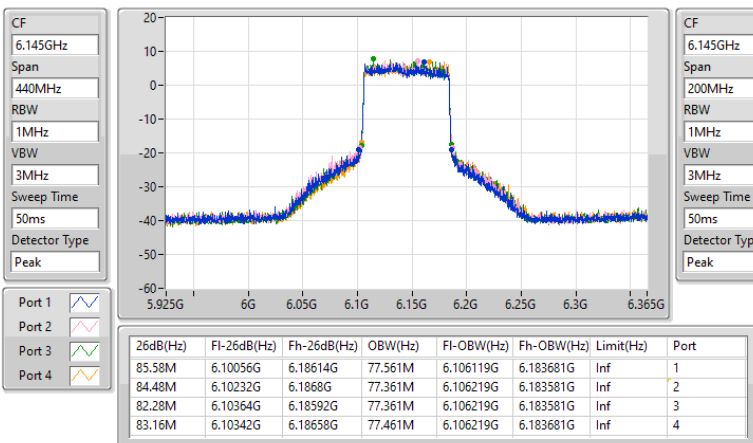


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6145MHz

08/05/2023



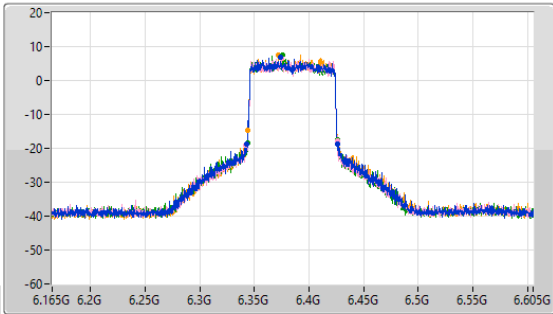
5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

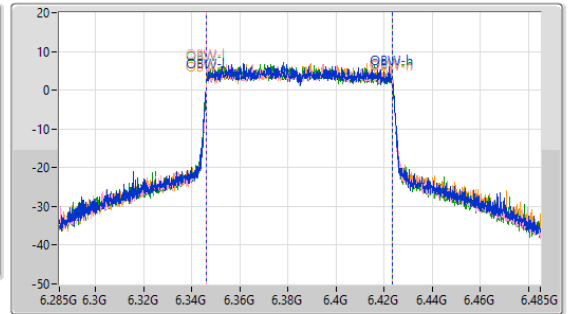
6385MHz

08/05/2023

CF
6.385GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.385GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.38M	6.34276G	6.42614G	77.361M	6.346219G	6.423581G	Inf	1
83.6M	6.34232G	6.42592G	77.461M	6.346219G	6.423681G	Inf	2
82.06M	6.34364G	6.4257G	77.361M	6.346219G	6.423581G	Inf	3
81.84M	6.34408G	6.42592G	77.461M	6.346219G	6.423681G	Inf	4

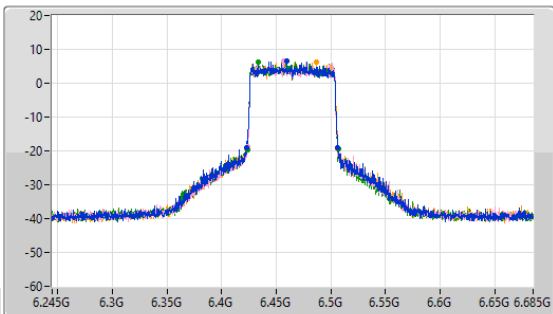
6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

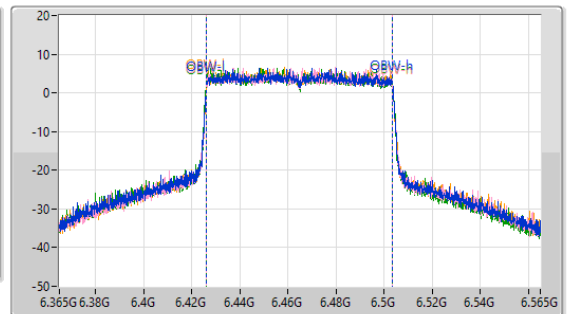
6465MHz

08/05/2023

CF
6.465GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.465GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.38M	6.42276G	6.50614G	77.461M	6.426219G	6.503681G	Inf	1
82.94M	6.42342G	6.50636G	77.461M	6.426219G	6.503681G	Inf	2
83.38M	6.42342G	6.5068G	77.561M	6.426019G	6.503581G	Inf	3
83.38M	6.4232G	6.50658G	77.461M	6.426219G	6.503681G	Inf	4

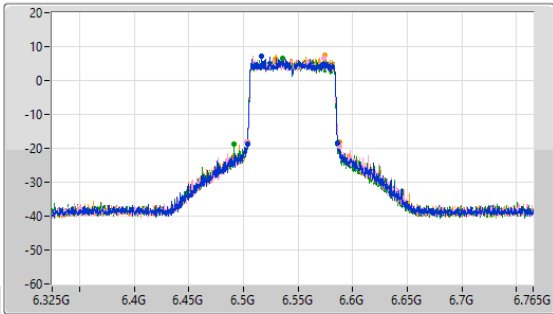
6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

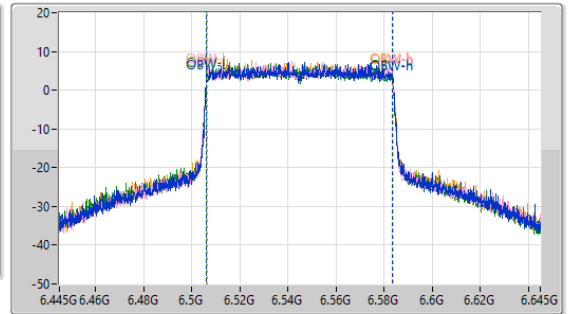
6545MHz

08/05/2023

CF
6.545GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.545GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.50386G	6.58636G	77.461M	6.506219G	6.583681G	Inf	1
84.48M	6.5032G	6.58768G	77.561M	6.506219G	6.583781G	Inf	2
94.6M	6.49154G	6.58614G	77.461M	6.506219G	6.583681G	Inf	3
84.26M	6.50364G	6.5879G	77.361M	6.506319G	6.583681G	Inf	4

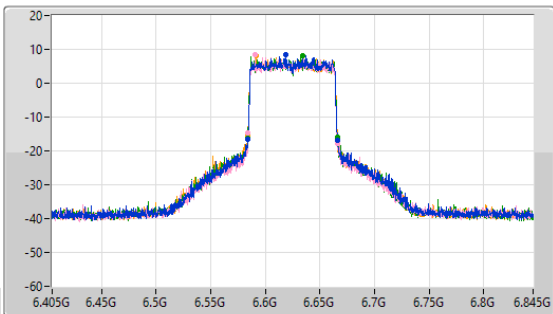
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

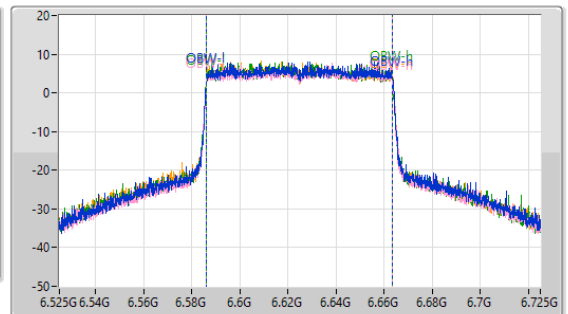
6625MHz

08/05/2023

CF
6.625GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.625GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.58408G	6.66592G	77.461M	6.586219G	6.663681G	Inf	1
82.72M	6.58386G	6.66658G	77.461M	6.586219G	6.663681G	Inf	2
82.28M	6.58364G	6.66592G	77.361M	6.586219G	6.663581G	Inf	3
82.5M	6.58364G	6.66614G	77.461M	6.586219G	6.663681G	Inf	4

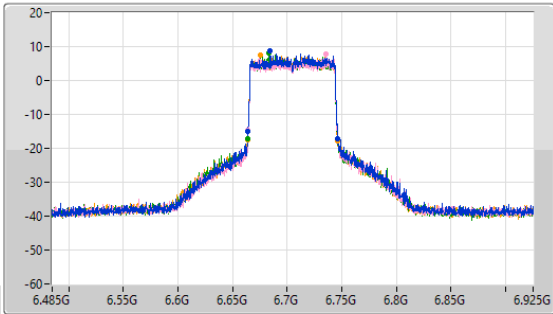
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

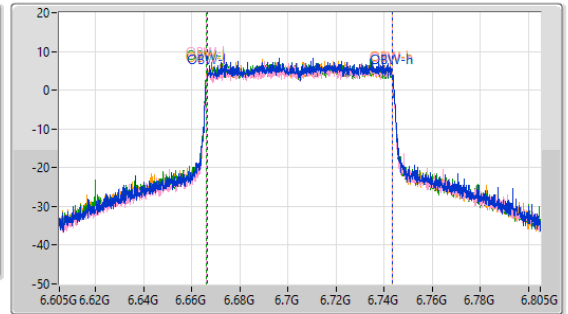
6705MHz

08/05/2023

CF
6.705GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.705GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	6.66408G	6.74636G	77.361M	6.666319G	6.743681G	Inf	1
82.28M	6.6643G	6.74658G	77.461M	6.666219G	6.743681G	Inf	2
82.28M	6.66386G	6.74614G	77.661M	6.666019G	6.743681G	Inf	3
82.94M	6.66364G	6.74658G	77.461M	6.666219G	6.743681G	Inf	4

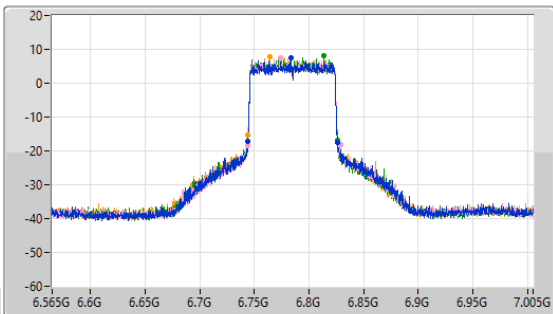
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

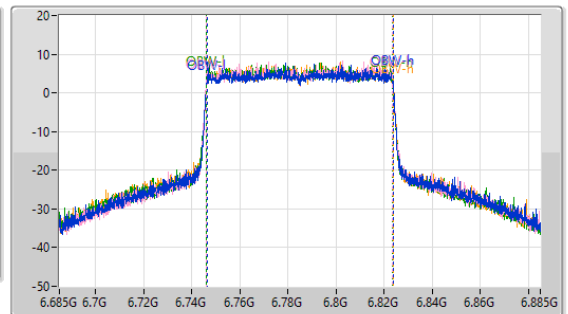
6785MHz

08/05/2023

CF
6.785GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.785GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.16M	6.74342G	6.82658G	77.461M	6.746319G	6.823781G	Inf	1
84.92M	6.74364G	6.82856G	77.461M	6.746219G	6.823681G	Inf	2
82.5M	6.74364G	6.82614G	77.461M	6.746219G	6.823681G	Inf	3
82.06M	6.74408G	6.82614G	77.561M	6.746219G	6.823781G	Inf	4

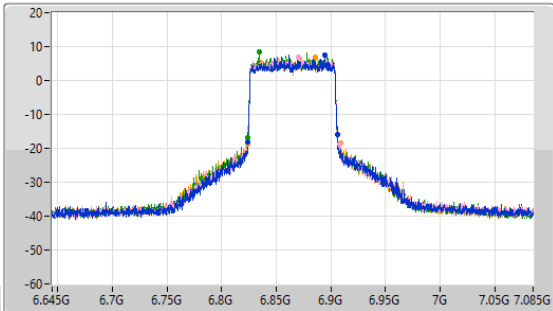
6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

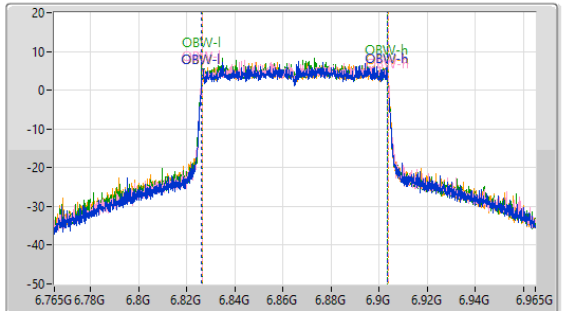
6865MHz

08/05/2023

CF: 6.865GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.865GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Blue line]
 Port 2: [Pink line]
 Port 3: [Green line]
 Port 4: [Orange line]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.82364G	6.90614G	77.561M	6.826119G	6.903681G	Inf	1
83.82M	6.82386G	6.90768G	77.461M	6.826319G	6.903781G	Inf	2
82.06M	6.82408G	6.90614G	77.361M	6.826319G	6.903681G	Inf	3
85.8M	6.82342G	6.90922G	77.461M	6.826319G	6.903781G	Inf	4

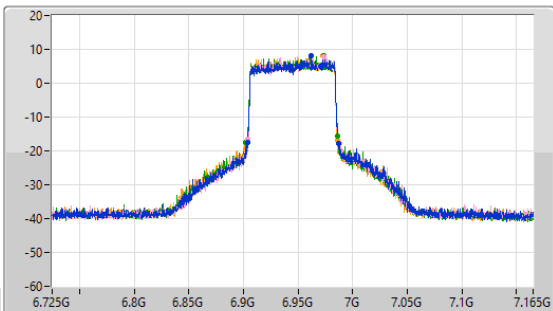
6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

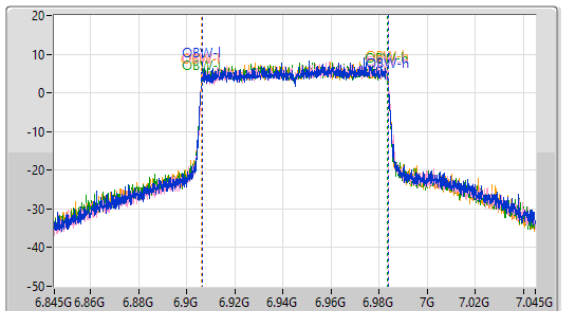
6945MHz

08/05/2023

CF: 6.945GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.945GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Blue line]
 Port 2: [Pink line]
 Port 3: [Green line]
 Port 4: [Orange line]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.38M	6.90342G	6.9868G	77.461M	6.906319G	6.983781G	Inf	1
84.48M	6.90364G	6.98812G	77.561M	6.906319G	6.983881G	Inf	2
83.82M	6.90232G	6.98614G	77.361M	6.906319G	6.983681G	Inf	3
82.94M	6.9032G	6.98614G	77.561M	6.906219G	6.983781G	Inf	4

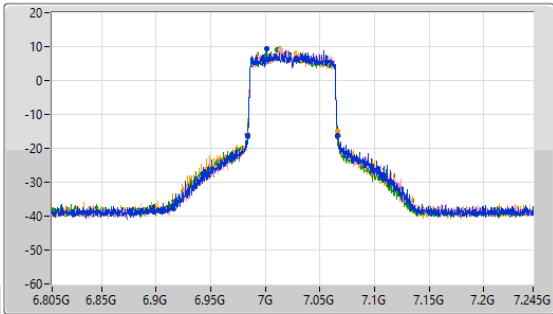
6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

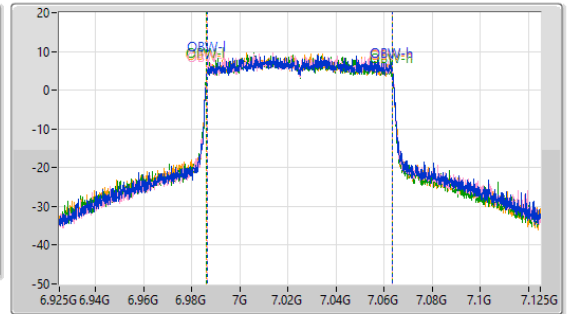
7025MHz

08/05/2023

CF
7.025GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
7.025GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	6.98386G	7.06658G	77.261M	6.986419G	7.063681G	Inf	1
83.82M	6.98298G	7.0668G	77.361M	6.986319G	7.063681G	Inf	2
82.06M	6.98386G	7.06592G	77.361M	6.986219G	7.063581G	Inf	3
81.84M	6.98408G	7.06592G	77.361M	6.986219G	7.063581G	Inf	4

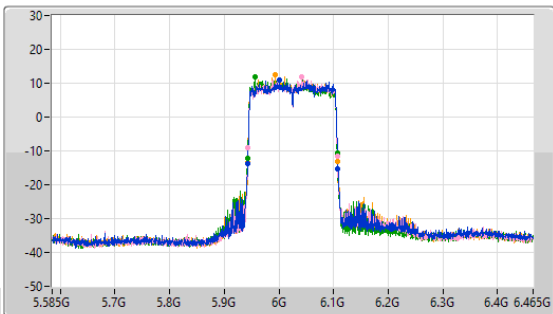
5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

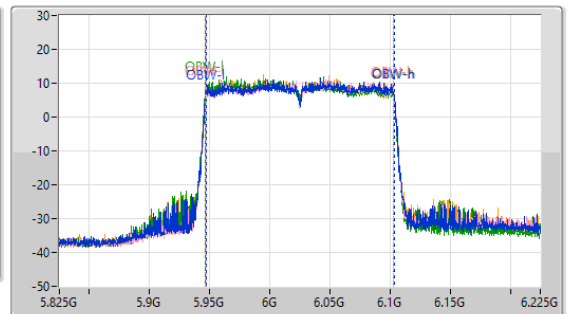
6025MHz

09/05/2023

CF
6.025GHz
Span
880MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.025GHz
Span
400MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

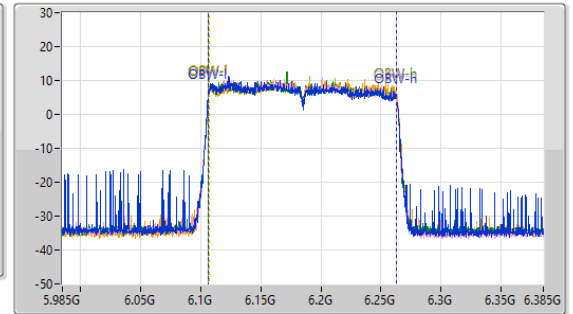
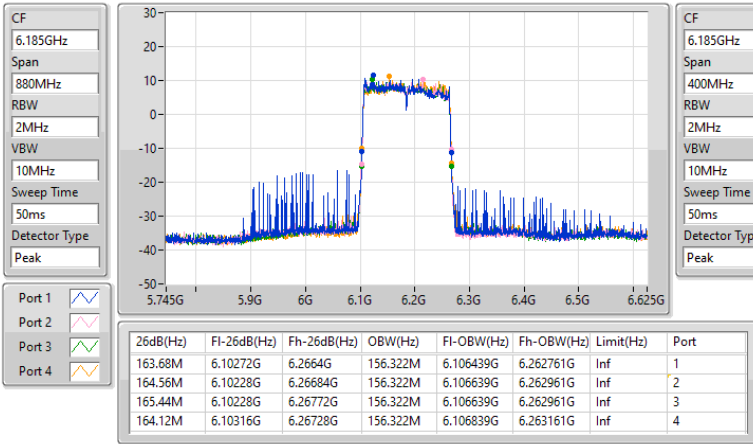
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.88M	5.94228G	6.10816G	156.522M	5.946839G	6.103361G	Inf	1
164.56M	5.94316G	6.10772G	156.122M	5.947039G	6.103161G	Inf	2
164.56M	5.94228G	6.10684G	156.122M	5.946639G	6.102761G	Inf	3
164.56M	5.94272G	6.10728G	156.322M	5.946639G	6.102961G	Inf	4

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

EBW

6185MHz

08/05/2023

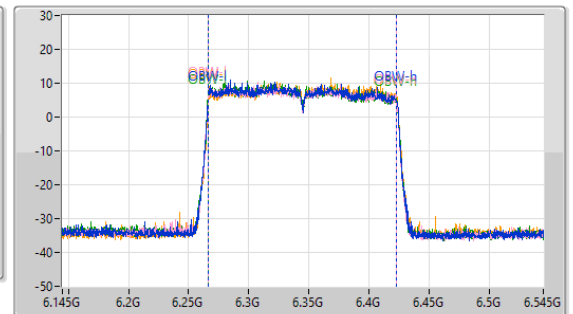
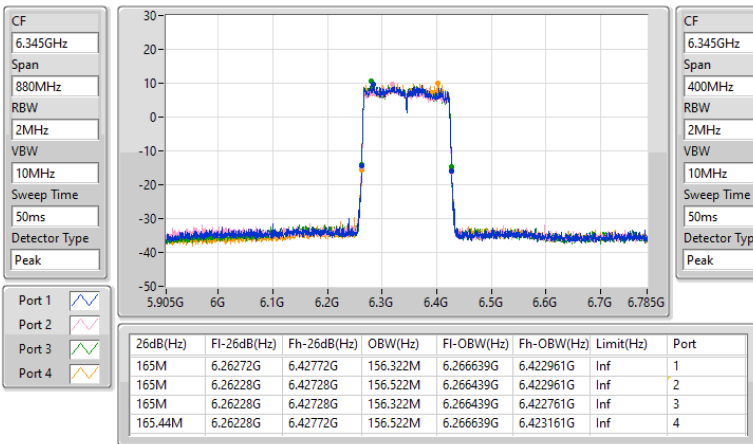


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6345MHz

08/05/2023

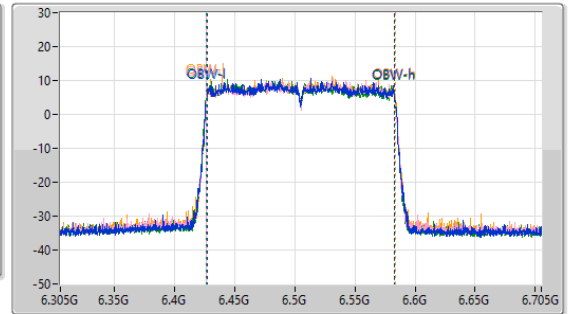
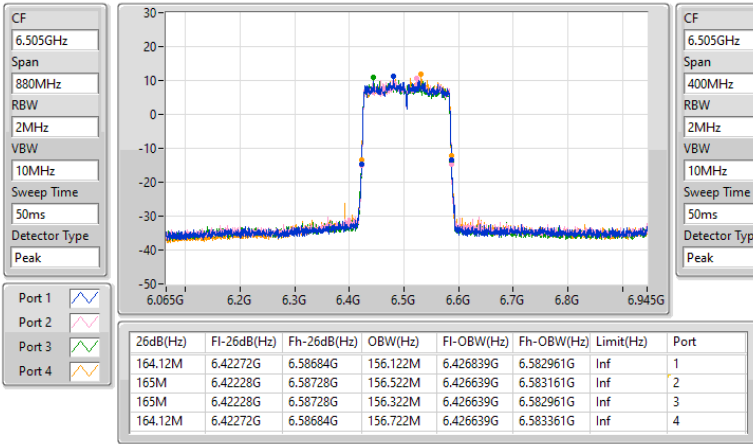


6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6505MHz

08/05/2023

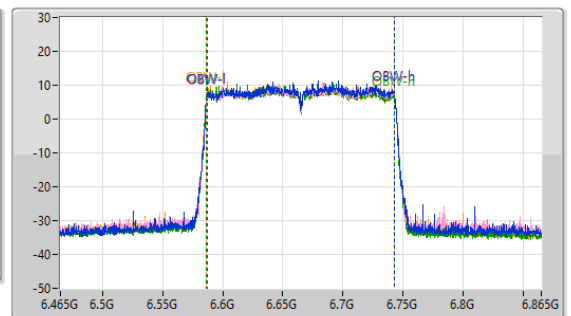
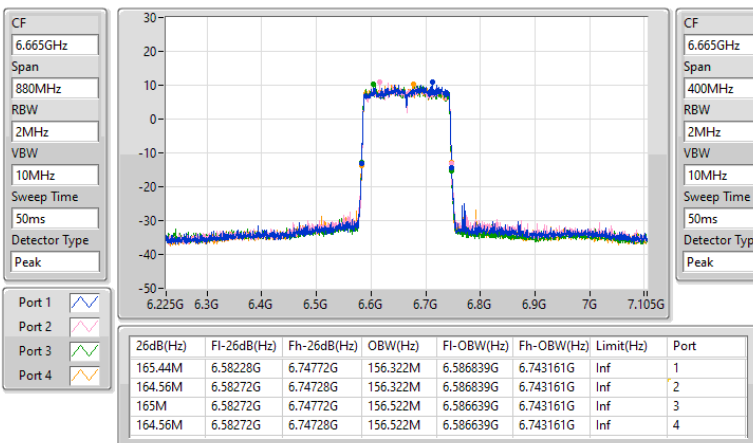


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6665MHz

08/05/2023

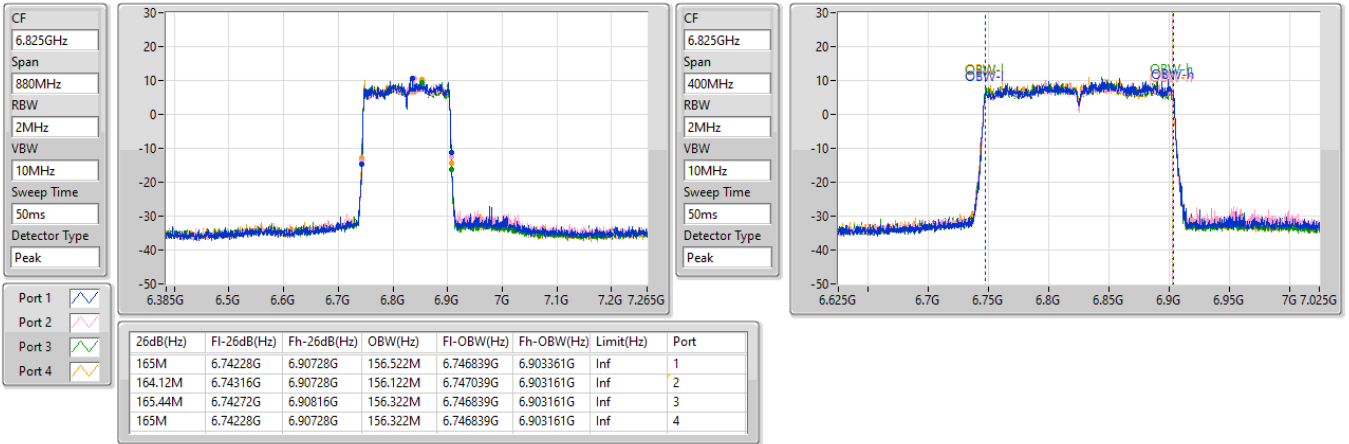


6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6825MHz

08/05/2023

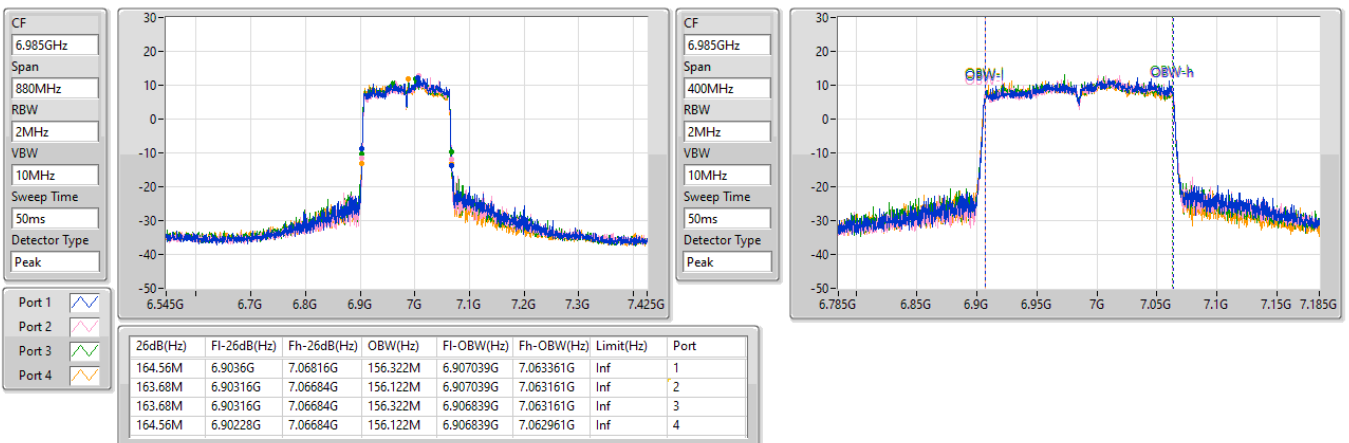


6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6985MHz

08/05/2023





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.54M	19.165M	19M2D1D	21.725M	19.065M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	42.9M	37.881M	37M9D1D	41.25M	37.781M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	88M	77.561M	77M6D1D	82.06M	77.161M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	166.32M	156.722M	157MD1D	163.68M	155.722M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	23.32M	19.165M	19M2D1D	21.45M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	42.24M	37.931M	37M9D1D	40.59M	37.731M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	83.16M	77.561M	77M6D1D	81.62M	77.161M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	166.76M	156.722M	157MD1D	164.12M	155.522M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	28.05M	19.165M	19M2D1D	21.725M	19.065M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	49.06M	37.931M	37M9D1D	40.7M	37.681M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	96.36M	77.661M	77M7D1D	81.62M	77.261M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165M	156.322M	156MD1D	163.24M	155.522M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	27.61M	19.19M	19M2D1D	22.22M	19.115M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	46.64M	37.881M	37M9D1D	41.14M	37.681M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	84.26M	77.561M	77M6D1D	81.62M	77.061M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.44M	157.121M	157MD1D	163.68M	155.522M

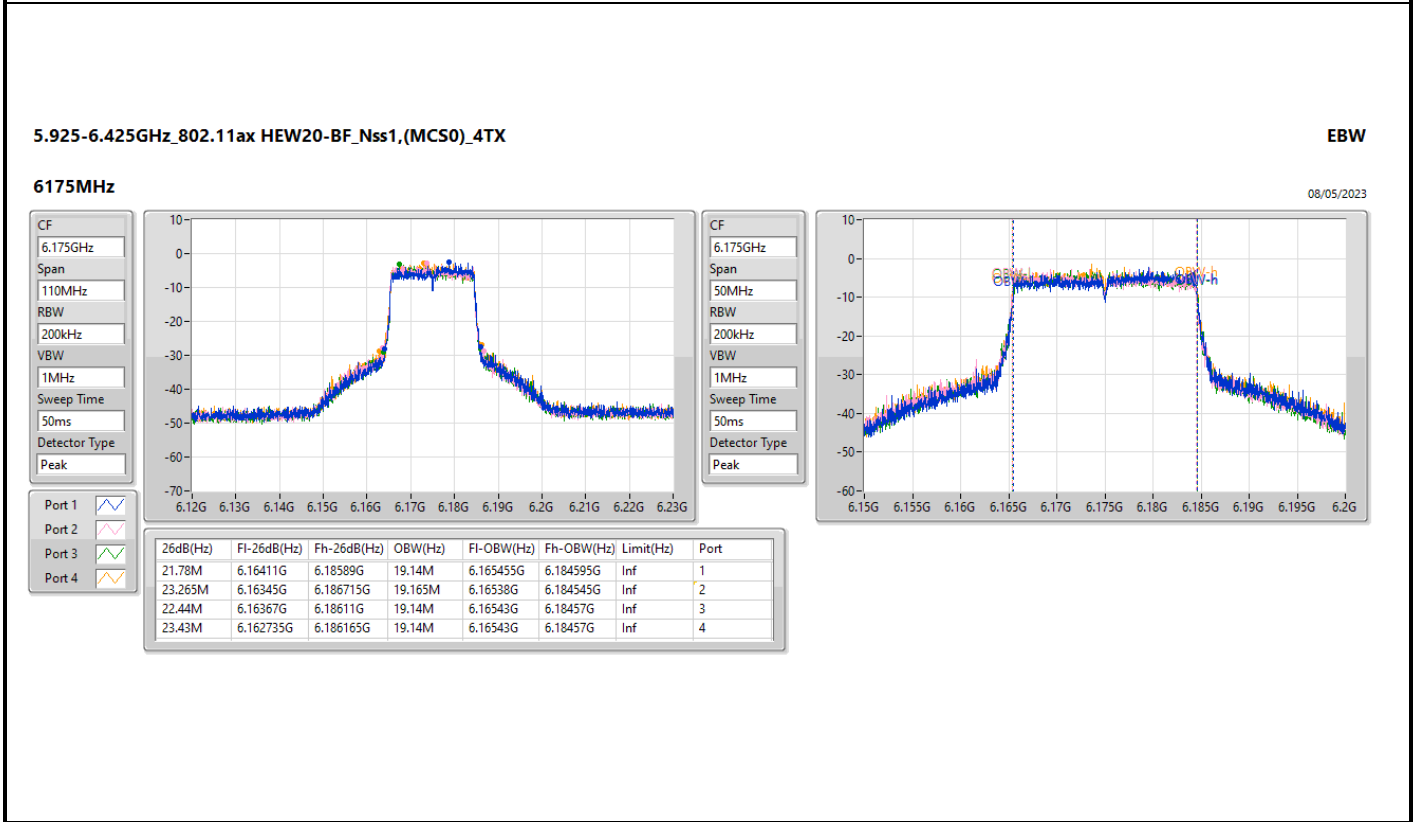
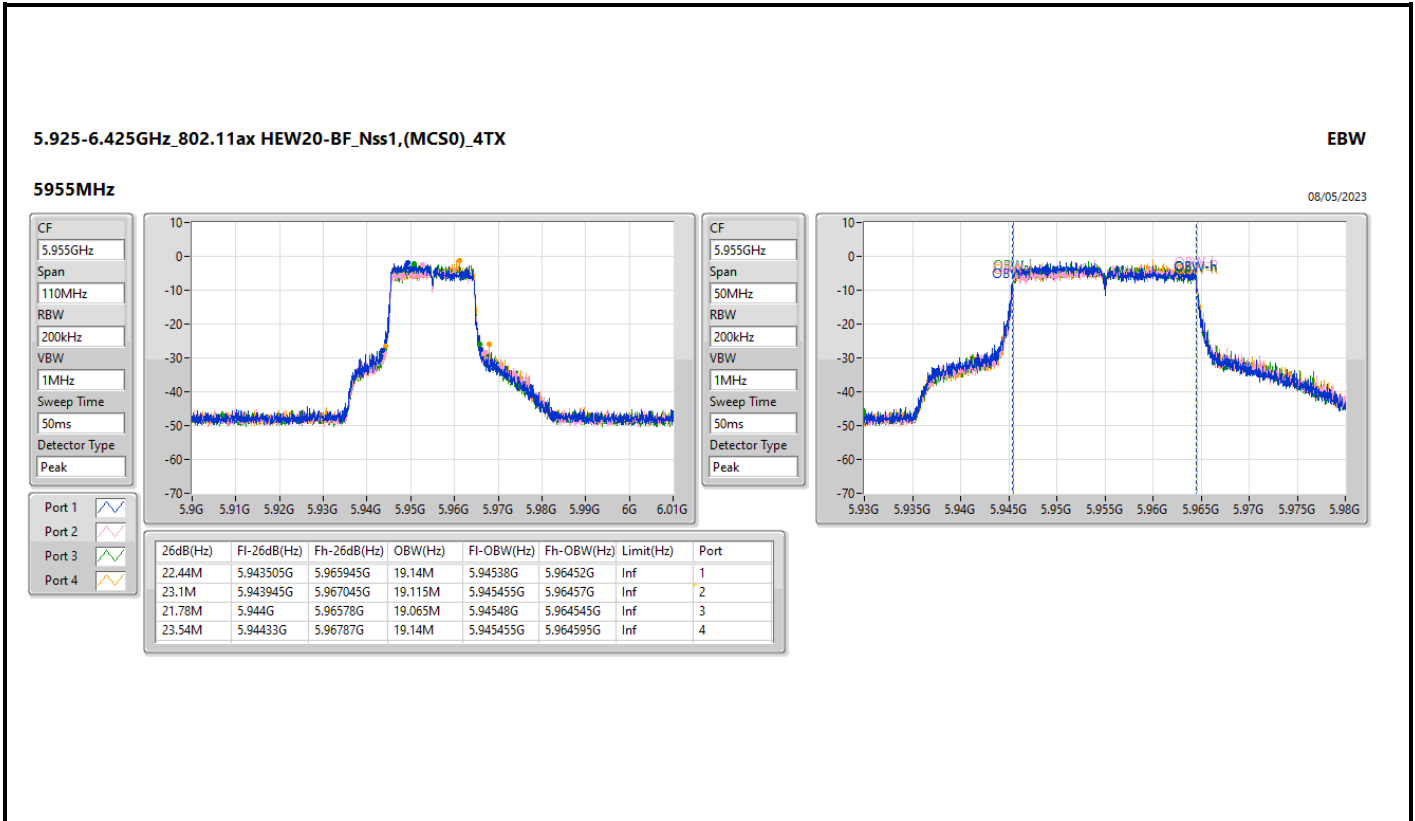
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	22.44M	19.14M	23.1M	19.115M	21.78M	19.065M	23.54M	19.14M
6175MHz	Pass	Inf	21.78M	19.14M	23.265M	19.165M	22.44M	19.14M	23.43M	19.14M
6415MHz	Pass	Inf	23.43M	19.14M	21.945M	19.115M	22.22M	19.115M	21.725M	19.165M
6435MHz	Pass	Inf	22.275M	19.065M	22.385M	19.115M	21.56M	19.115M	22.055M	19.115M
6475MHz	Pass	Inf	22.165M	19.065M	21.56M	19.14M	21.78M	19.165M	23.32M	19.115M
6515MHz	Pass	Inf	21.67M	19.115M	22M	18.941M	21.56M	19.165M	21.45M	19.09M
6535MHz	Pass	Inf	22.825M	19.165M	22.66M	19.165M	21.725M	19.09M	23.87M	19.165M
6695MHz	Pass	Inf	22.77M	19.065M	28.05M	19.14M	22.99M	19.165M	22.11M	19.14M
6855MHz	Pass	Inf	22.495M	19.115M	22.55M	19.115M	21.835M	19.165M	22.44M	19.14M
6875MHz	Pass	Inf	23.87M	19.165M	22.275M	19.165M	22.77M	19.115M	21.835M	19.09M
6895MHz	Pass	Inf	22.22M	19.165M	22.275M	19.165M	24.035M	19.14M	24.64M	19.115M
6995MHz	Pass	Inf	27.39M	19.19M	23.43M	19.14M	26.675M	19.14M	27.61M	19.19M
7095MHz	Pass	Inf	22.33M	19.115M	24.145M	19.14M	23.925M	19.165M	23.485M	19.115M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	41.47M	37.781M	42.9M	37.881M	42.35M	37.831M	42.13M	37.831M
6165MHz	Pass	Inf	41.25M	37.831M	41.25M	37.831M	41.8M	37.781M	41.91M	37.831M
6405MHz	Pass	Inf	41.47M	37.881M	42.9M	37.781M	41.25M	37.781M	41.91M	37.881M
6445MHz	Pass	Inf	42.24M	37.831M	40.7M	37.731M	41.47M	37.881M	41.69M	37.781M
6485MHz	Pass	Inf	41.25M	37.881M	40.59M	37.781M	41.03M	37.831M	41.47M	37.831M
6525MHz	Pass	Inf	41.91M	37.781M	42.02M	37.931M	41.69M	37.731M	41.03M	37.881M
6565MHz	Pass	Inf	44.99M	37.831M	40.7M	37.781M	42.24M	37.831M	42.57M	37.831M
6685MHz	Pass	Inf	43.34M	37.931M	42.35M	37.681M	41.47M	37.831M	42.24M	37.781M
6845MHz	Pass	Inf	41.69M	37.781M	49.06M	37.881M	43.34M	37.931M	47.41M	37.931M
6885MHz	Pass	Inf	41.14M	37.881M	41.25M	37.881M	41.47M	37.831M	42.79M	37.731M
6925MHz	Pass	Inf	41.36M	37.831M	41.14M	37.831M	41.8M	37.781M	41.69M	37.881M
7005MHz	Pass	Inf	41.14M	37.731M	41.8M	37.681M	41.36M	37.831M	41.8M	37.881M
7085MHz	Pass	Inf	41.14M	37.881M	43.01M	37.881M	46.64M	37.881M	41.8M	37.831M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	88M	77.561M	82.5M	77.261M	86.68M	77.161M	85.14M	77.461M
6145MHz	Pass	Inf	82.06M	77.461M	82.94M	77.261M	82.06M	77.261M	82.28M	77.561M
6385MHz	Pass	Inf	84.04M	77.361M	82.28M	77.361M	83.82M	77.361M	85.14M	77.461M
6465MHz	Pass	Inf	81.84M	77.561M	81.84M	77.161M	82.5M	77.561M	81.62M	77.261M
6545MHz	Pass	Inf	83.16M	77.461M	81.84M	77.561M	82.5M	77.361M	81.84M	77.461M
6625MHz	Pass	Inf	85.14M	77.461M	81.62M	77.661M	82.72M	77.361M	83.16M	77.561M
6705MHz	Pass	Inf	82.28M	77.561M	82.5M	77.261M	82.28M	77.661M	82.72M	77.261M
6785MHz	Pass	Inf	83.38M	77.561M	82.72M	77.561M	82.5M	77.261M	82.94M	77.361M
6865MHz	Pass	Inf	82.94M	77.561M	82.5M	77.461M	96.36M	77.561M	84.92M	77.561M
6945MHz	Pass	Inf	83.6M	77.161M	84.26M	77.361M	81.62M	77.361M	82.72M	77.561M
7025MHz	Pass	Inf	82.72M	77.561M	82.72M	77.261M	82.06M	77.061M	83.16M	77.361M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	166.32M	156.722M	165M	156.122M	165M	156.522M	163.68M	156.122M
6185MHz	Pass	Inf	164.12M	156.322M	164.56M	156.322M	163.68M	156.322M	164.56M	156.522M
6345MHz	Pass	Inf	164.56M	156.322M	165.44M	156.722M	164.12M	155.722M	165.88M	156.322M
6505MHz	Pass	Inf	165M	156.522M	166.76M	156.722M	164.12M	156.122M	164.56M	155.522M
6665MHz	Pass	Inf	164.12M	156.122M	164.56M	156.322M	163.68M	155.722M	163.24M	155.522M
6825MHz	Pass	Inf	164.12M	155.722M	165M	156.122M	163.68M	156.122M	164.56M	156.322M
6985MHz	Pass	Inf	163.68M	155.922M	165.44M	157.121M	164.12M	155.522M	164.12M	155.722M

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

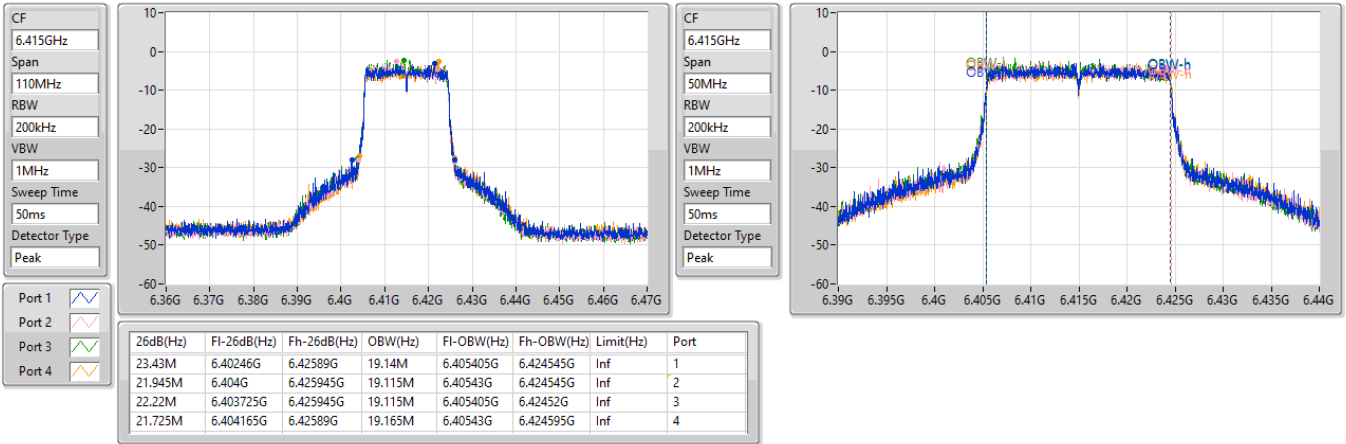


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6415MHz

08/05/2023

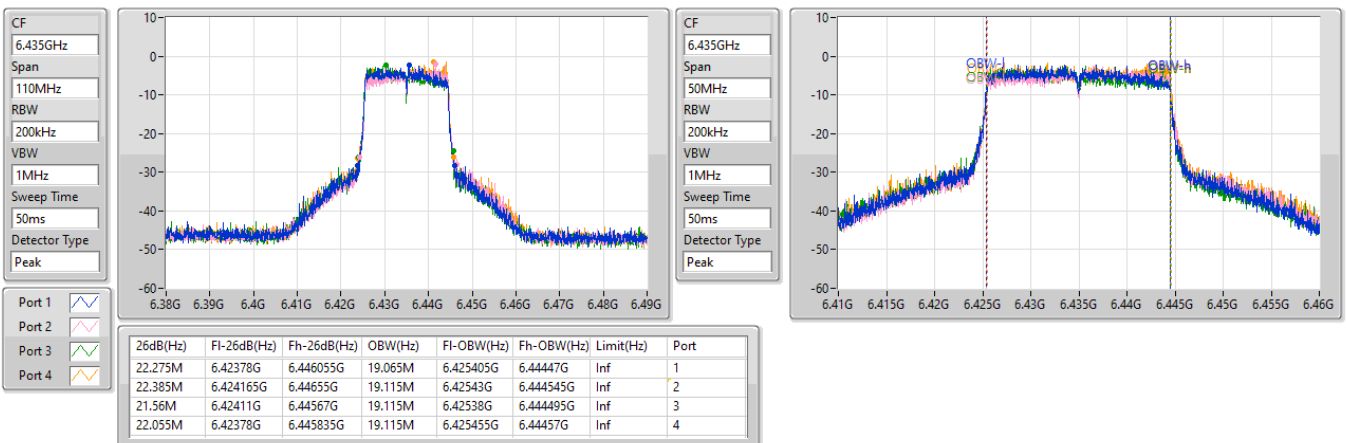


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6435MHz

08/05/2023

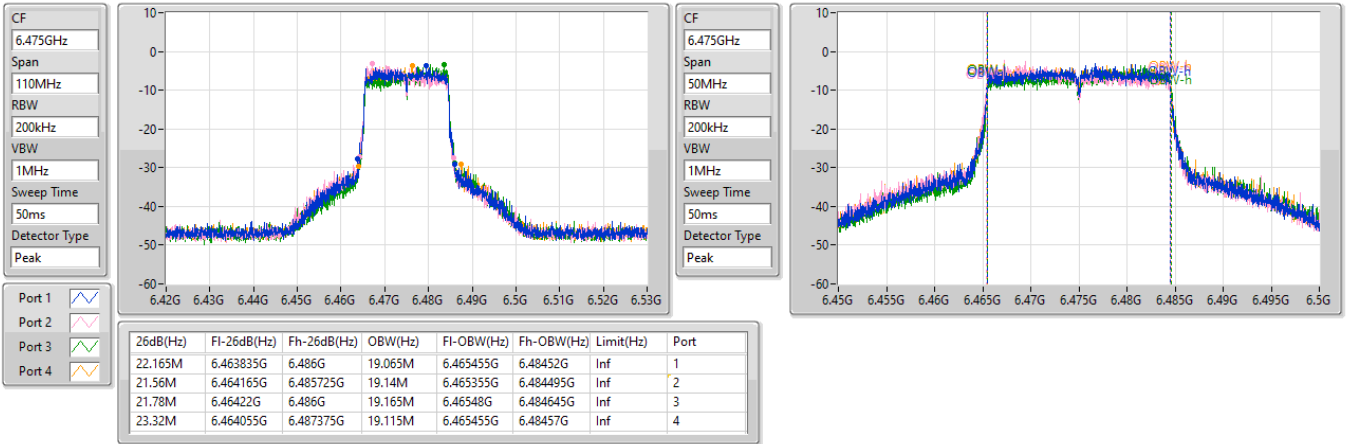


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6475MHz

08/05/2023

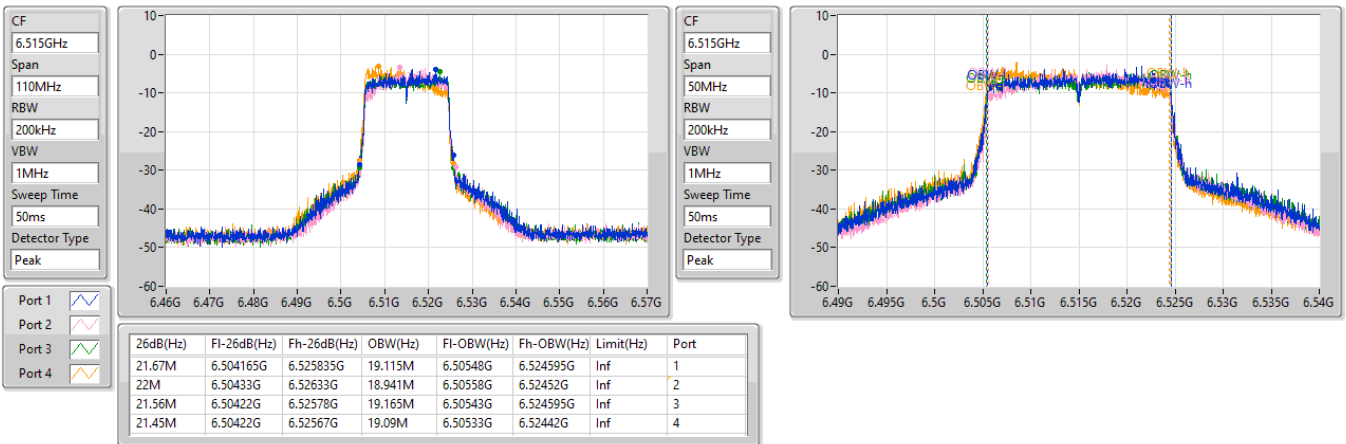


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6515MHz

08/05/2023



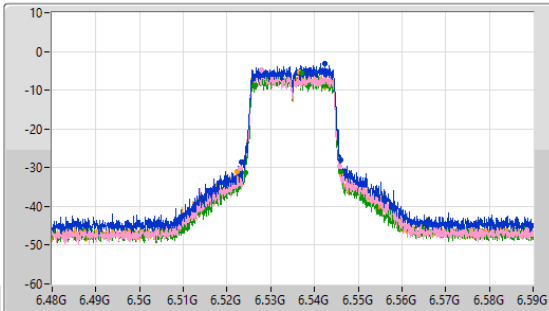
6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

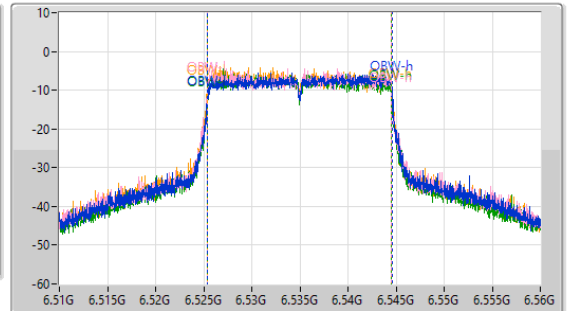
6535MHz

08/05/2023

CF
6.535GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
50ms
Detector Type
Peak



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.825M	6.52323G	6.546055G	19.165M	6.52543G	6.544595G	Inf	1
22.66M	6.523065G	6.545725G	19.165M	6.52538G	6.544545G	Inf	2
21.725M	6.524165G	6.54589G	19.09M	6.52543G	6.54452G	Inf	3
23.87M	6.52224G	6.54611G	19.165M	6.52538G	6.544545G	Inf	4

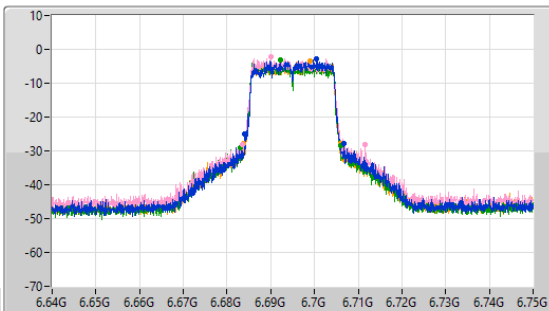
6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

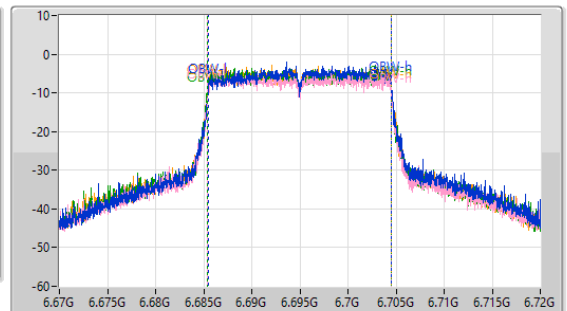
6695MHz

08/05/2023

CF
6.695GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
50ms
Detector Type
Peak



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



Port 1
Port 2
Port 3
Port 4

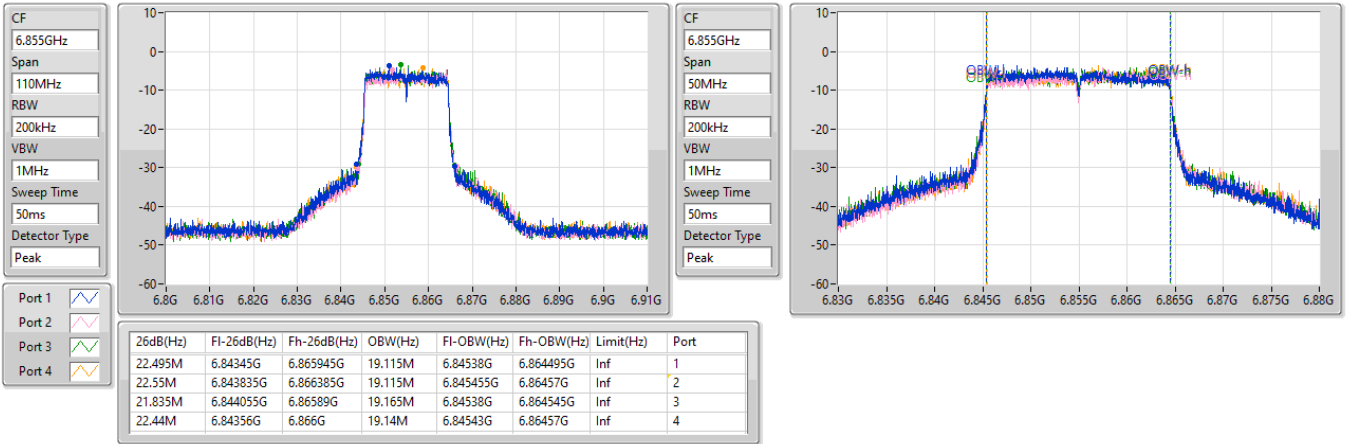
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.77M	6.684055G	6.706825G	19.065M	6.68548G	6.704545G	Inf	1
28.05M	6.683615G	6.711665G	19.14M	6.685405G	6.704545G	Inf	2
22.99M	6.68301G	6.706G	19.165M	6.68538G	6.704545G	Inf	3
22.11M	6.68378G	6.70589G	19.14M	6.685405G	6.704545G	Inf	4

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

EBW

6855MHz

08/05/2023

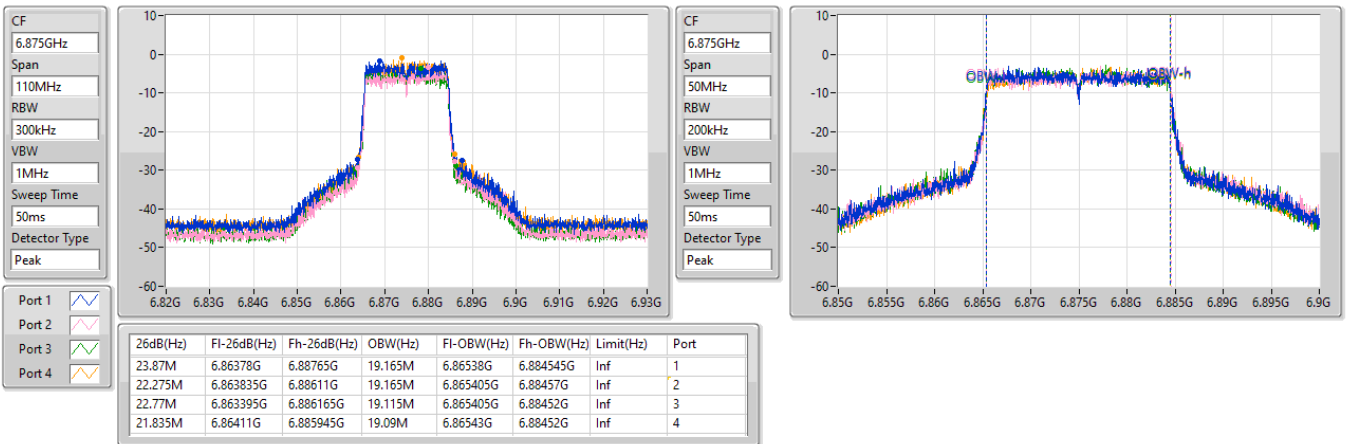


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6875MHz

08/05/2023

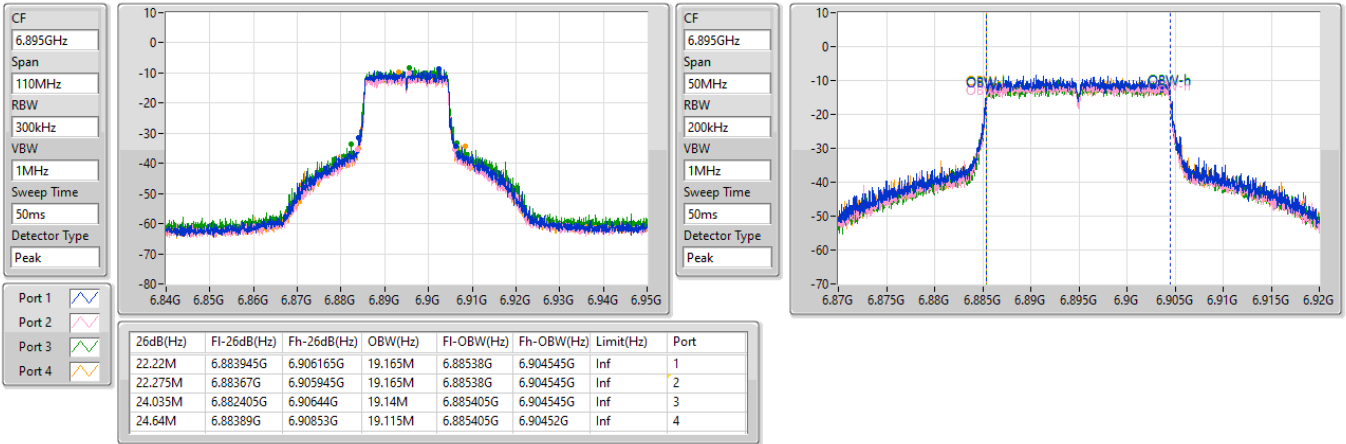


6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6895MHz

09/05/2023

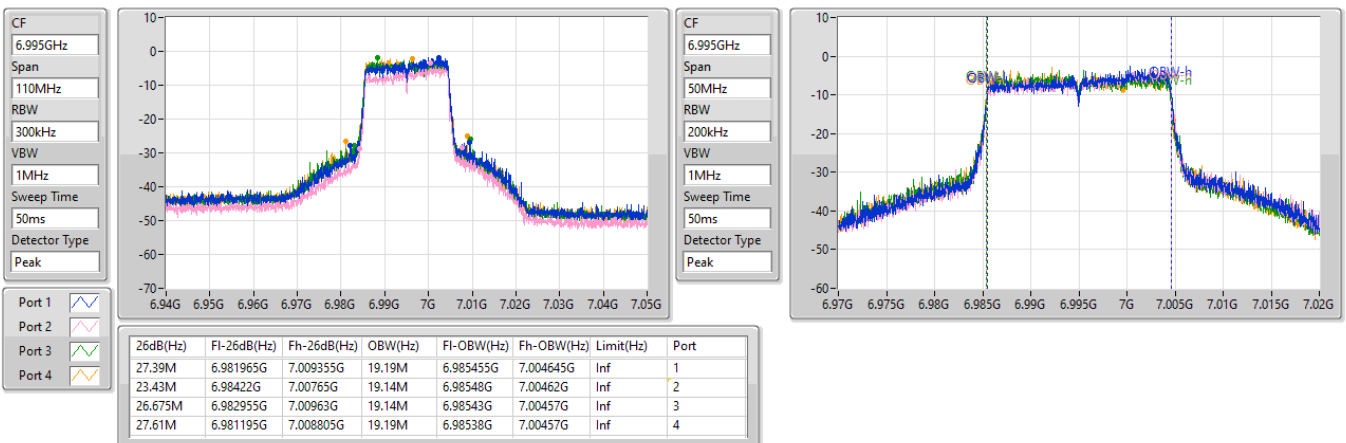


6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6995MHz

08/05/2023



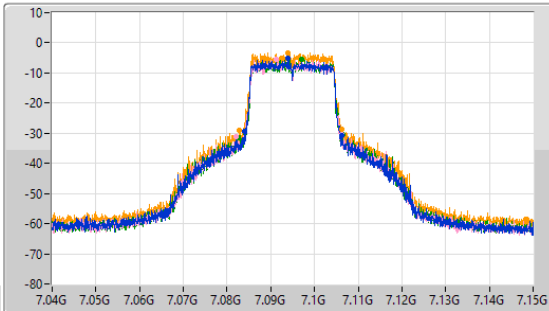
6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

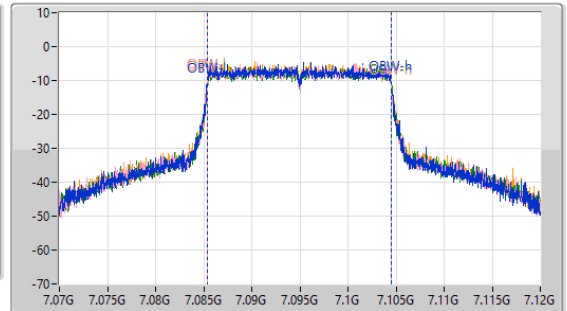
7095MHz

09/05/2023

CF
7.095GHz
Span
110MHz
RBW
300kHz
VBW
1MHz
Sweep Time
50ms
Detector Type
Peak



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



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.33M	7.084G	7.10633G	19.115M	7.08538G	7.104495G	Inf	1
24.145M	7.08213G	7.106275G	19.14M	7.08538G	7.10452G	Inf	2
23.925M	7.08257G	7.106495G	19.165M	7.08538G	7.104545G	Inf	3
23.485M	7.08279G	7.106275G	19.115M	7.085405G	7.10452G	Inf	4

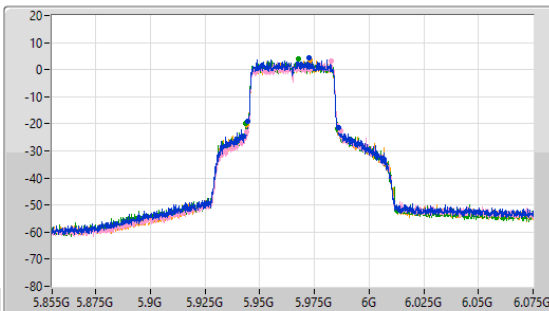
5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

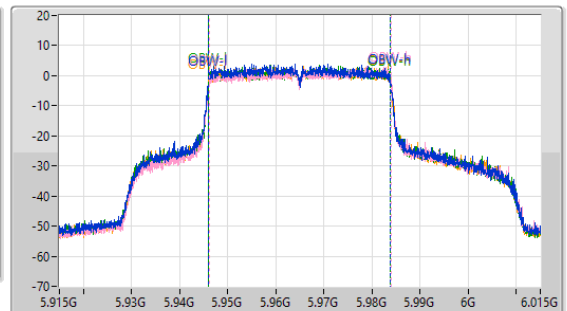
5965MHz

09/05/2023

CF
5.965GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
5.965GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.47M	5.94443G	5.9859G	37.781M	5.946059G	5.983841G	Inf	1
42.9M	5.94388G	5.98678G	37.881M	5.946109G	5.983991G	Inf	2
42.35M	5.94344G	5.98579G	37.831M	5.946059G	5.983891G	Inf	3
42.13M	5.94399G	5.98612G	37.831M	5.946059G	5.983891G	Inf	4

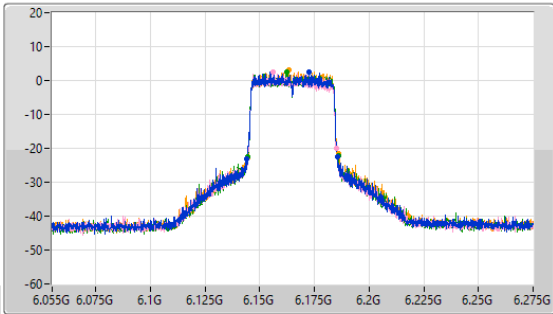
5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

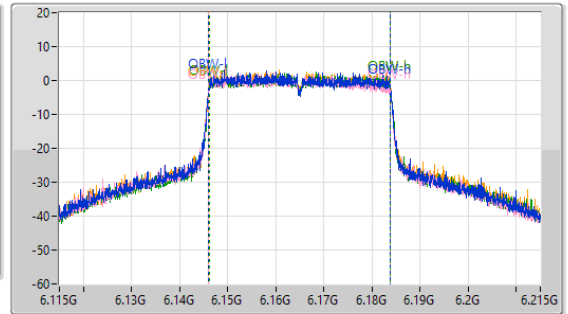
6165MHz

08/05/2023

CF: 6.165GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.165GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.25M	6.1441G	6.18535G	37.831M	6.146059G	6.183891G	Inf	1
41.25M	6.14399G	6.18524G	37.831M	6.146009G	6.183841G	Inf	2
41.8M	6.14421G	6.18601G	37.781M	6.146109G	6.183891G	Inf	3
41.91M	6.14432G	6.18623G	37.831M	6.146059G	6.183891G	Inf	4

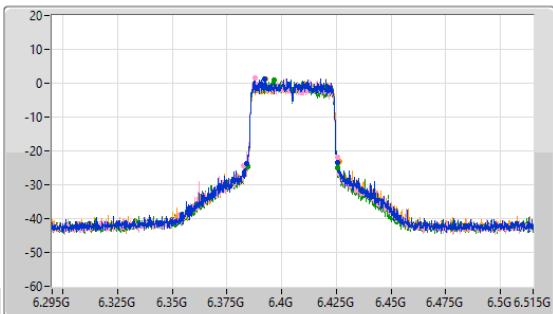
5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

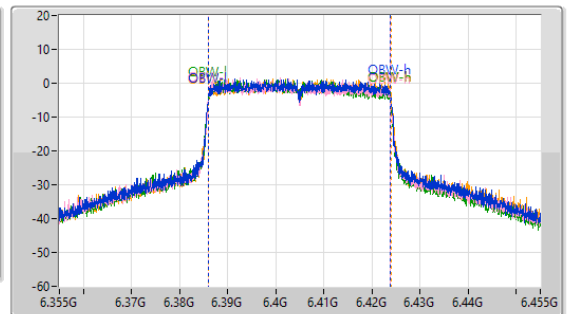
6405MHz

08/05/2023

CF: 6.405GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.405GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



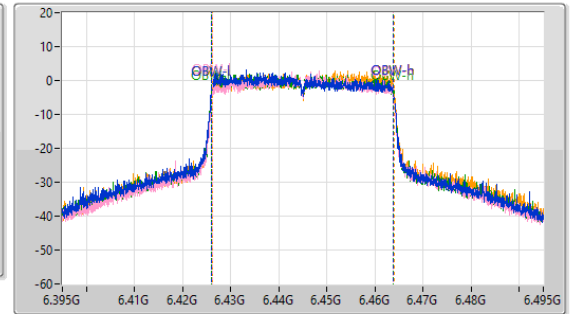
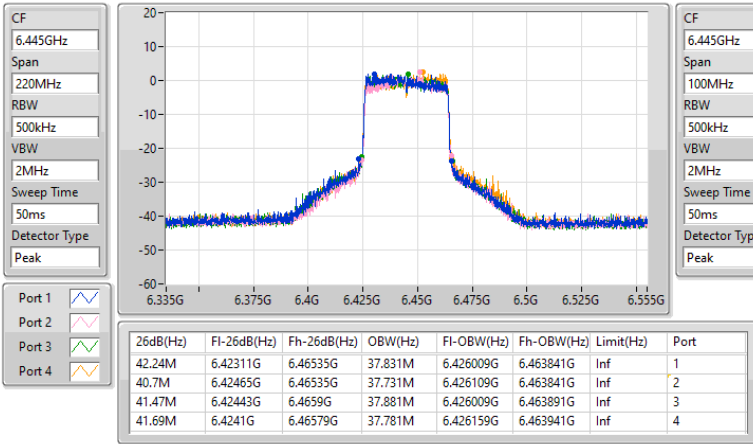
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.47M	6.38399G	6.42546G	37.881M	6.386009G	6.423891G	Inf	1
42.9M	6.38245G	6.42535G	37.781M	6.386059G	6.423841G	Inf	2
41.25M	6.38421G	6.42546G	37.781M	6.386009G	6.423791G	Inf	3
41.91M	6.38443G	6.42634G	37.881M	6.386059G	6.423941G	Inf	4

6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6445MHz

08/05/2023

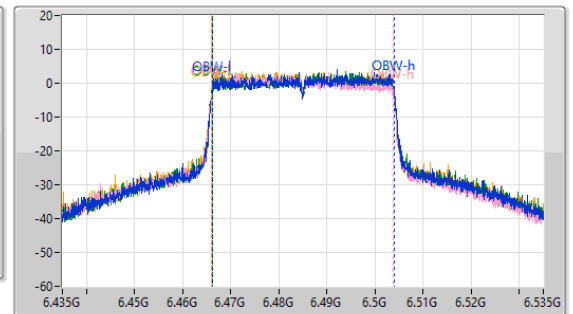
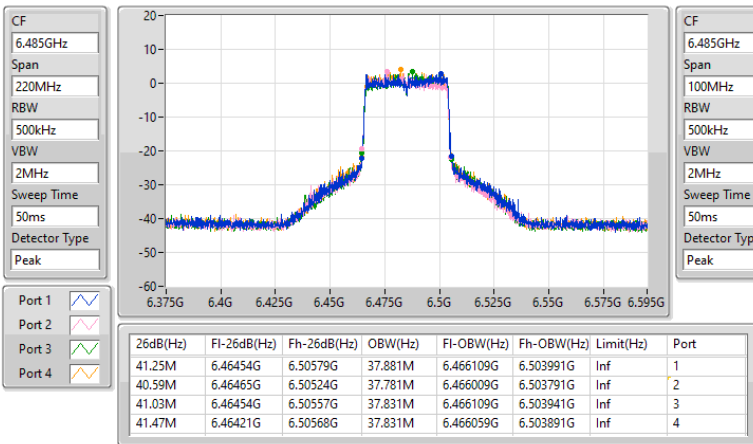


6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6485MHz

08/05/2023

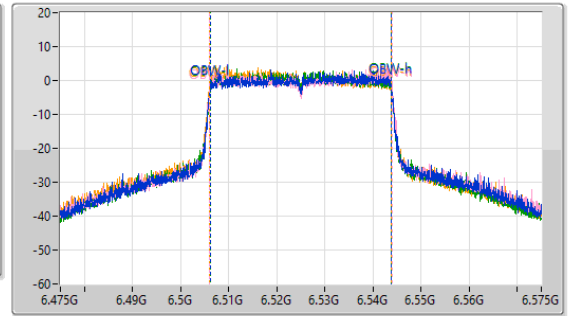
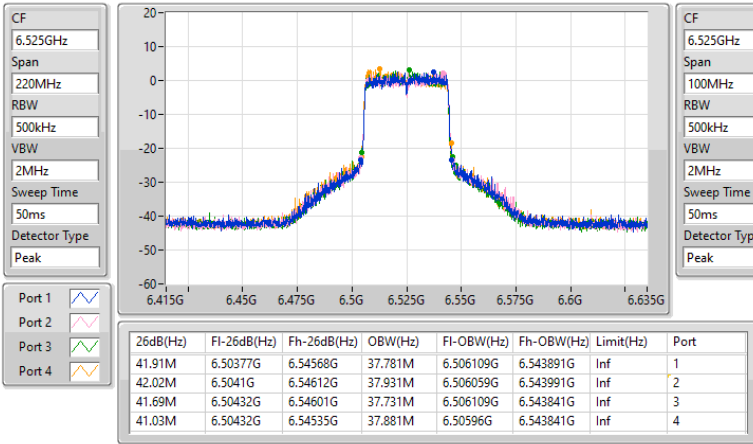


6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6525MHz

08/05/2023

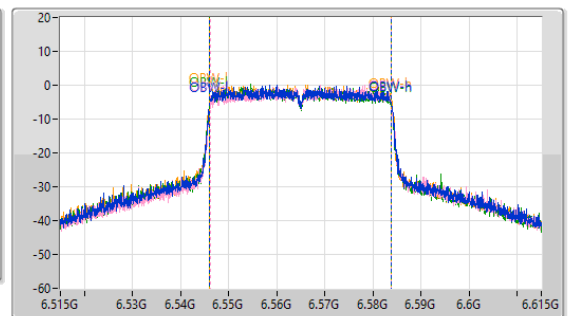
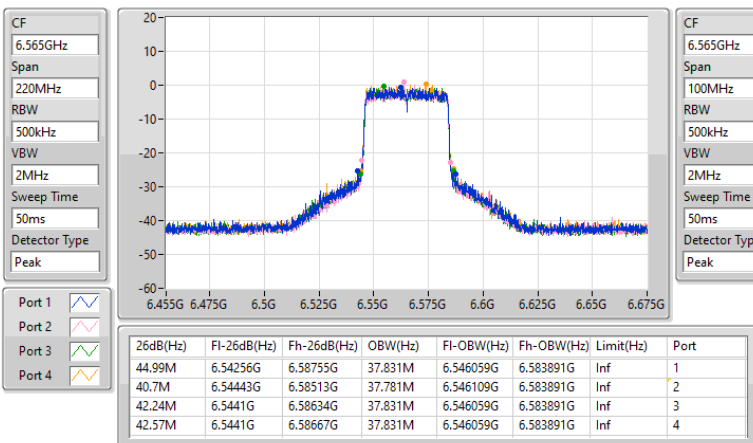


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6565MHz

08/05/2023

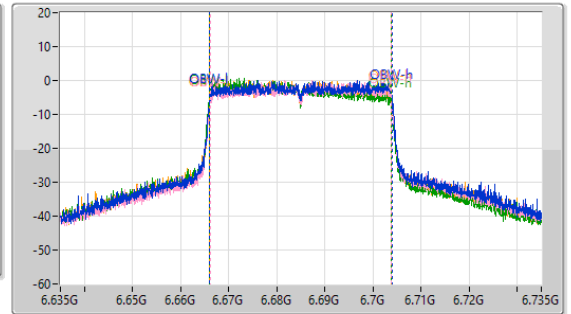
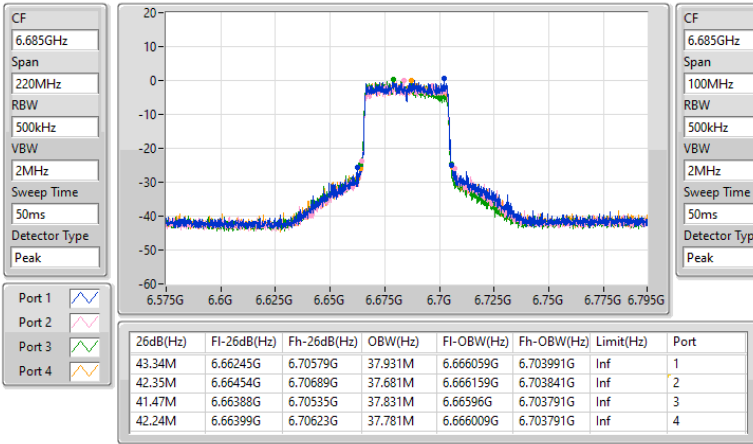


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6685MHz

08/05/2023

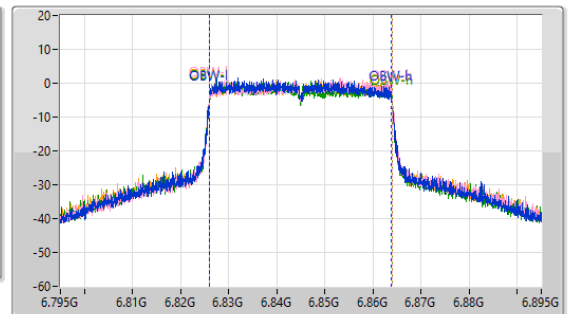
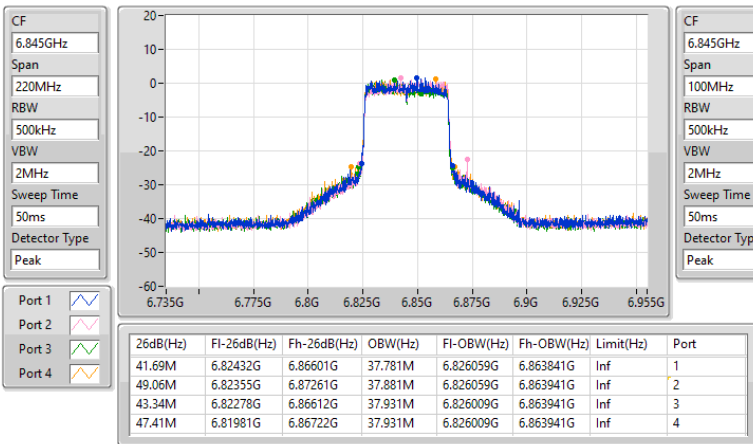


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6845MHz

08/05/2023

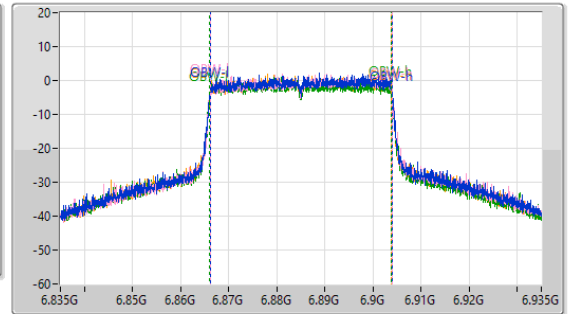
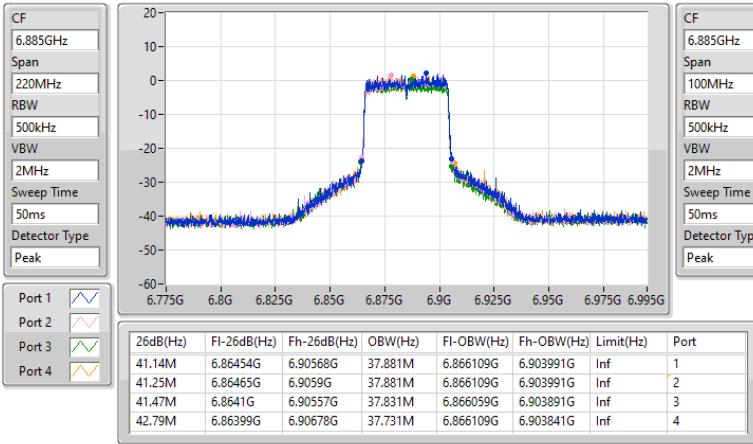


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6885MHz

08/05/2023

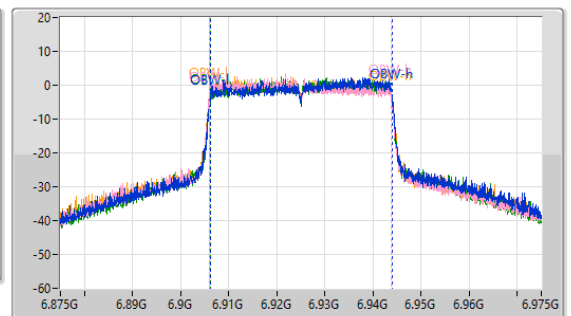
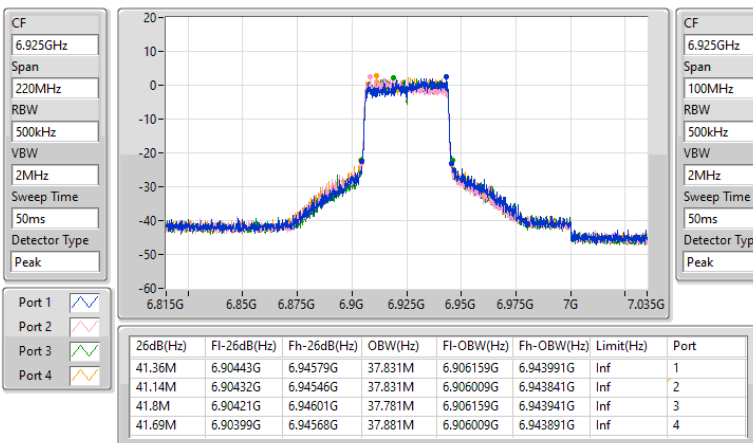


6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6925MHz

08/05/2023



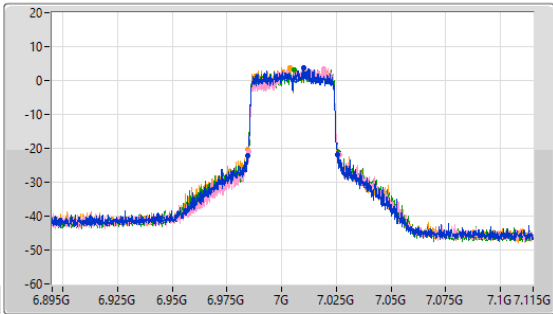
6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

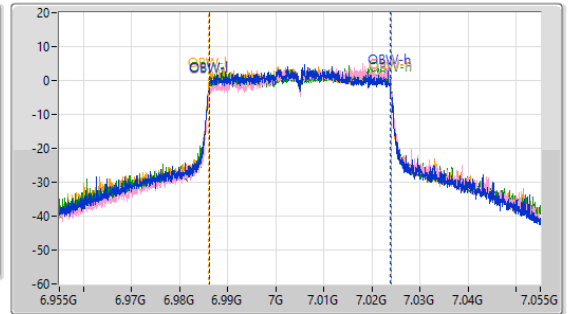
7005MHz

08/05/2023

CF
7.005GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
7.005GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.14M	6.98432G	7.02546G	37.731M	6.986109G	7.023841G	Inf	1
41.8M	6.98487G	7.02667G	37.681M	6.986259G	7.023941G	Inf	2
41.36M	6.98465G	7.02601G	37.831M	6.986109G	7.023941G	Inf	3
41.8M	6.98421G	7.02601G	37.881M	6.986059G	7.023941G	Inf	4

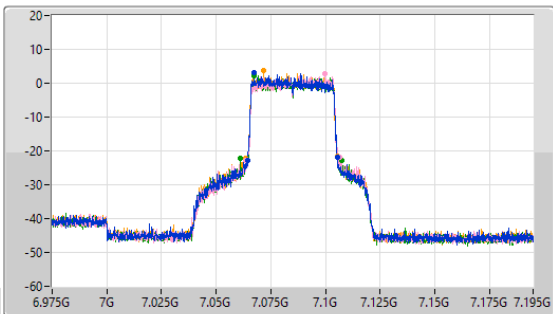
6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

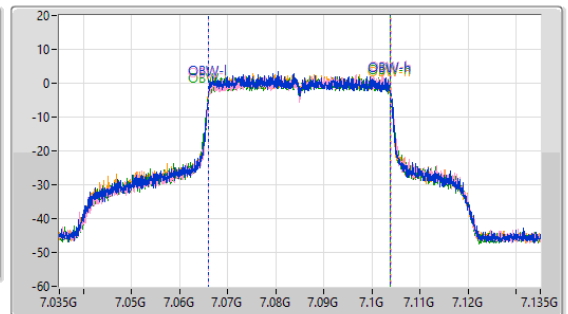
7085MHz

08/05/2023

CF
7.085GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
7.085GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

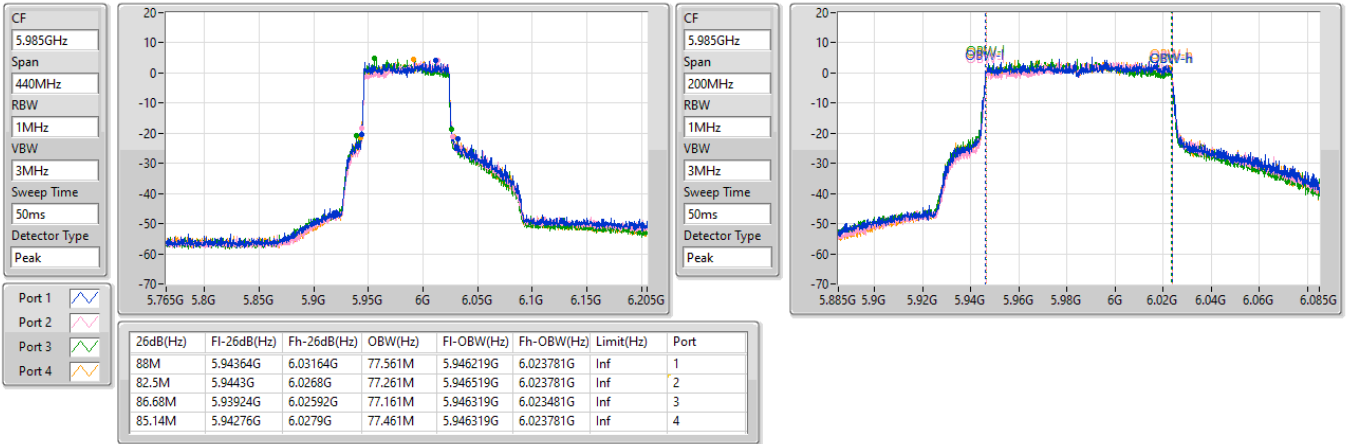
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.14M	7.06443G	7.10557G	37.881M	7.066009G	7.103891G	Inf	1
43.01M	7.06355G	7.10656G	37.881M	7.066059G	7.103941G	Inf	2
46.64M	7.06091G	7.10755G	37.881M	7.066009G	7.103891G	Inf	3
41.8M	7.06355G	7.10535G	37.831M	7.066009G	7.103841G	Inf	4

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

EBW

5985MHz

09/05/2023

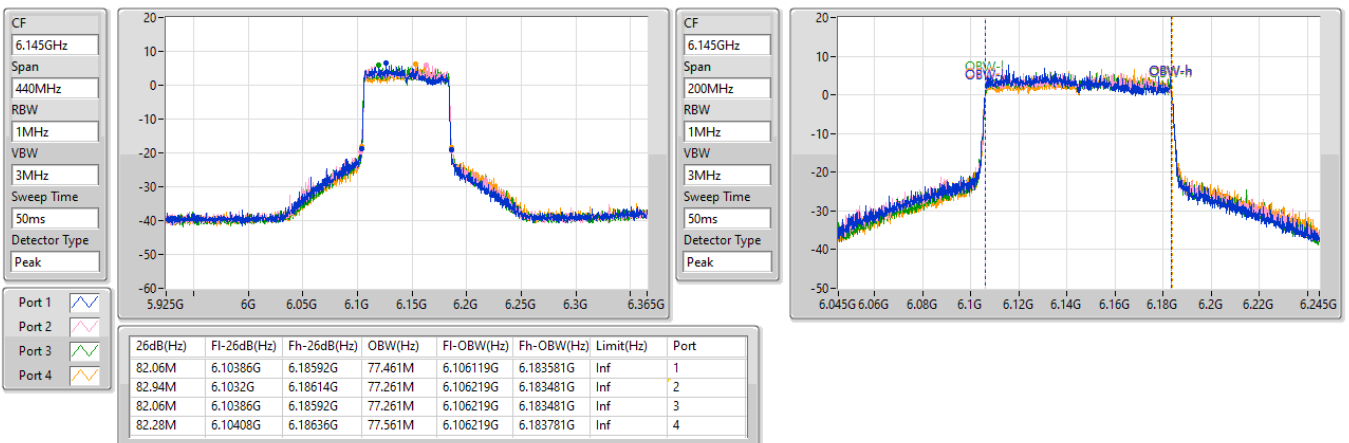


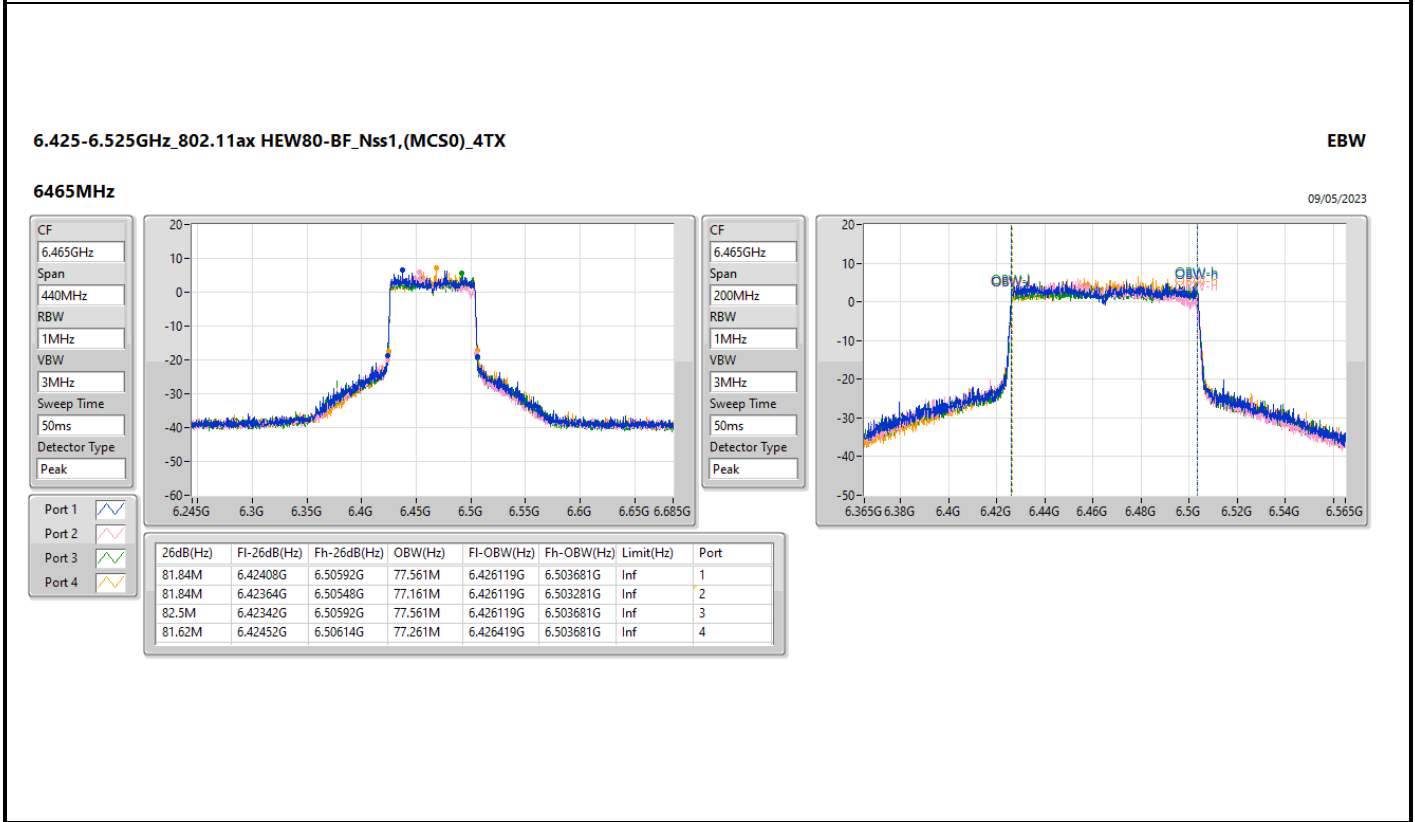
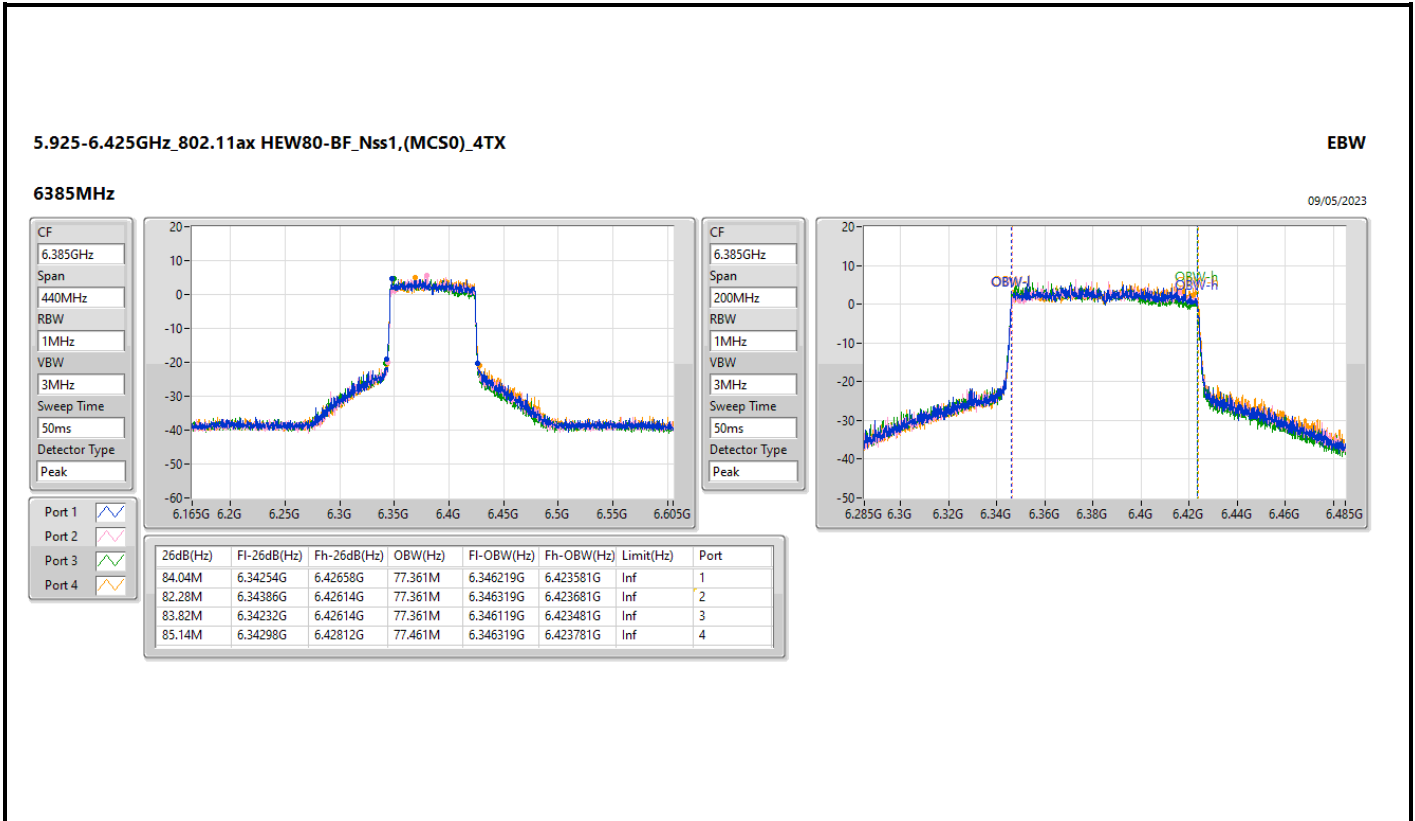
5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

6145MHz

08/05/2023





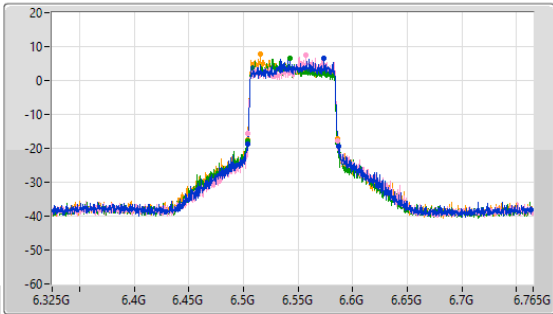
6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

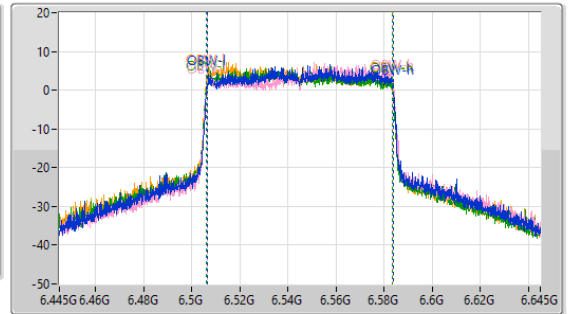
6545MHz

09/05/2023

CF
6.545GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.545GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.16M	6.50364G	6.5868G	77.461M	6.506319G	6.583781G	Inf	1
81.84M	6.5043G	6.58614G	77.561M	6.506319G	6.583881G	Inf	2
82.5M	6.50342G	6.58592G	77.361M	6.506219G	6.583581G	Inf	3
81.84M	6.50386G	6.5857G	77.461M	6.506019G	6.583481G	Inf	4

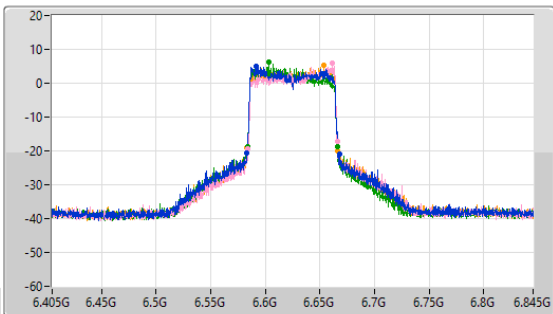
6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

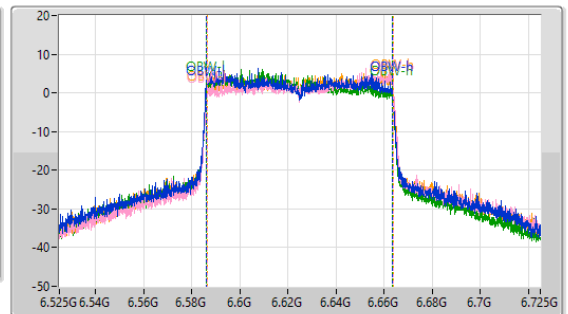
6625MHz

09/05/2023

CF
6.625GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.625GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.14M	6.5832G	6.66834G	77.461M	6.586019G	6.663481G	Inf	1
81.62M	6.5843G	6.66592G	77.661M	6.586319G	6.663981G	Inf	2
82.72M	6.58342G	6.66614G	77.361M	6.586119G	6.663481G	Inf	3
83.16M	6.5832G	6.66636G	77.561M	6.586319G	6.663881G	Inf	4

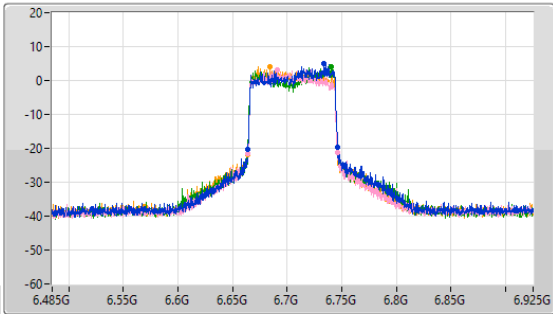
6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

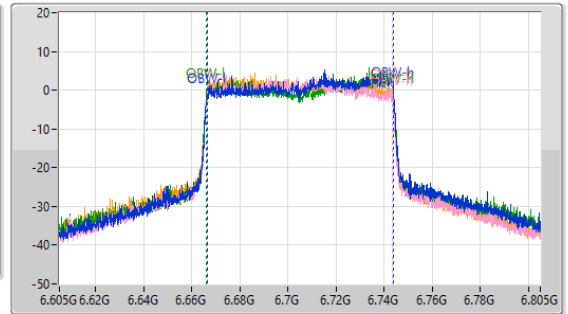
6705MHz

09/05/2023

CF
6.705GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.705GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	6.66386G	6.74614G	77.561M	6.666419G	6.743981G	Inf	1
82.5M	6.66364G	6.74614G	77.261M	6.666319G	6.743581G	Inf	2
82.28M	6.66386G	6.74614G	77.661M	6.666219G	6.743881G	Inf	3
82.72M	6.66342G	6.74614G	77.261M	6.666219G	6.743481G	Inf	4

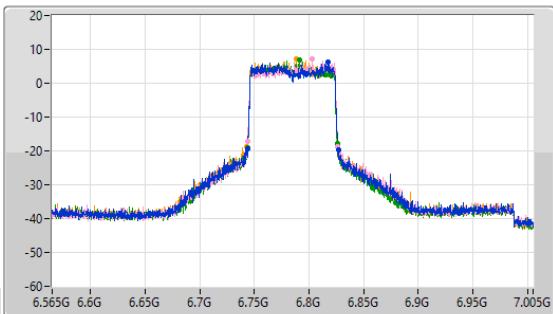
6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

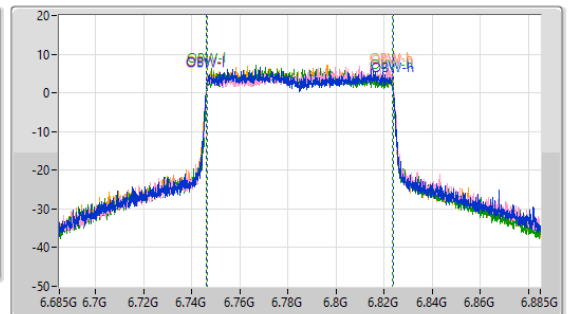
6785MHz

09/05/2023

CF
6.785GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.785GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.38M	6.74386G	6.82724G	77.561M	6.746219G	6.823781G	Inf	1
82.72M	6.74386G	6.82658G	77.561M	6.746219G	6.823781G	Inf	2
82.5M	6.74342G	6.82592G	77.261M	6.746319G	6.823581G	Inf	3
82.94M	6.7432G	6.82614G	77.361M	6.746219G	6.823581G	Inf	4

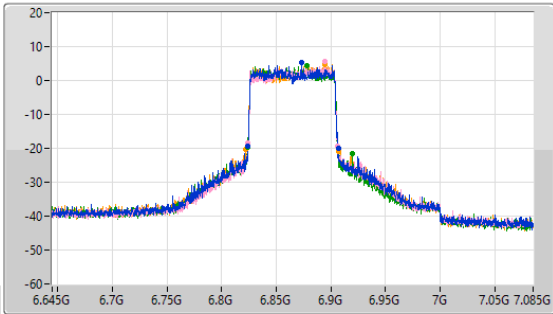
6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

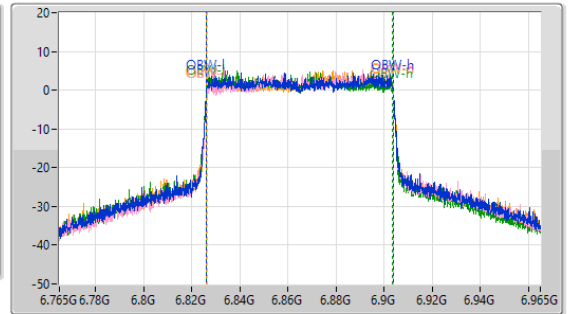
6865MHz

09/05/2023

CF
6.865GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.865GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.94M	6.82386G	6.9068G	77.561M	6.826219G	6.903781G	Inf	1
82.5M	6.82364G	6.90614G	77.461M	6.826319G	6.903781G	Inf	2
96.36M	6.82364G	6.92G	77.561M	6.826119G	6.903681G	Inf	3
84.92M	6.82232G	6.90724G	77.561M	6.826219G	6.903781G	Inf	4

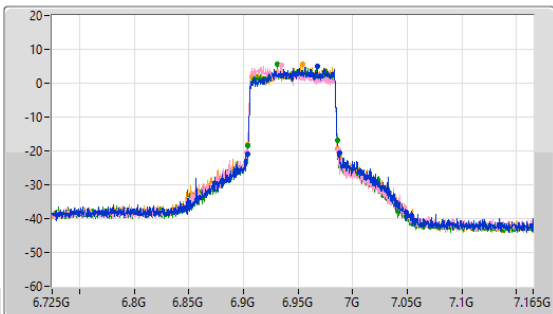
6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

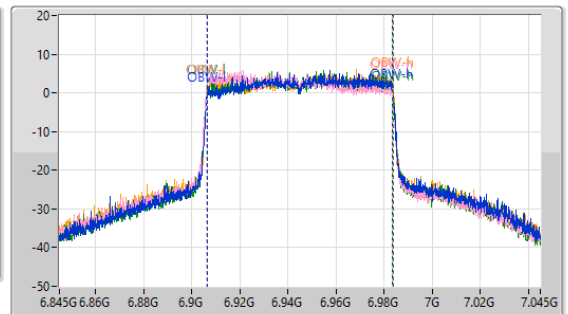
6945MHz

09/05/2023

CF
6.945GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.945GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

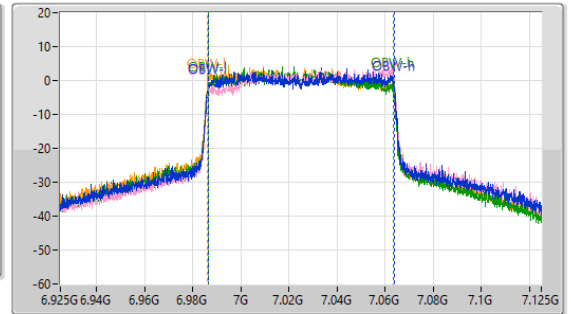
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.6M	6.90408G	6.98768G	77.161M	6.906519G	6.983681G	Inf	1
84.26M	6.9032G	6.98746G	77.361M	6.906119G	6.983481G	Inf	2
81.62M	6.9043G	6.98592G	77.361M	6.906419G	6.983781G	Inf	3
82.72M	6.90342G	6.98614G	77.561M	6.906219G	6.983781G	Inf	4

6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX

EBW

7025MHz

09/05/2023

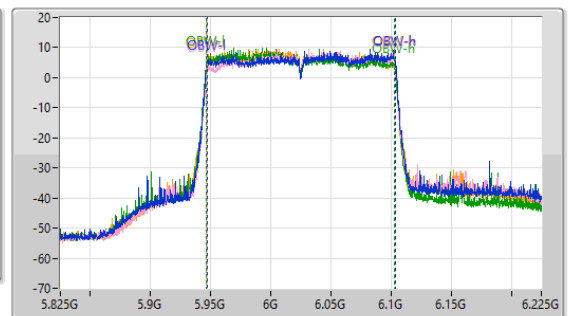
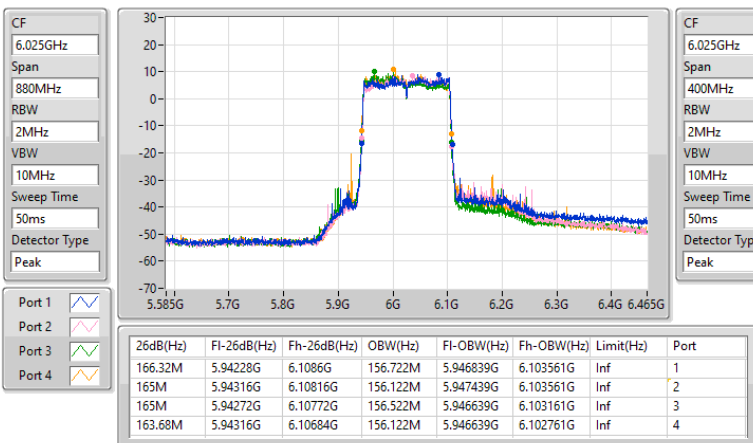


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6025MHz

09/05/2023

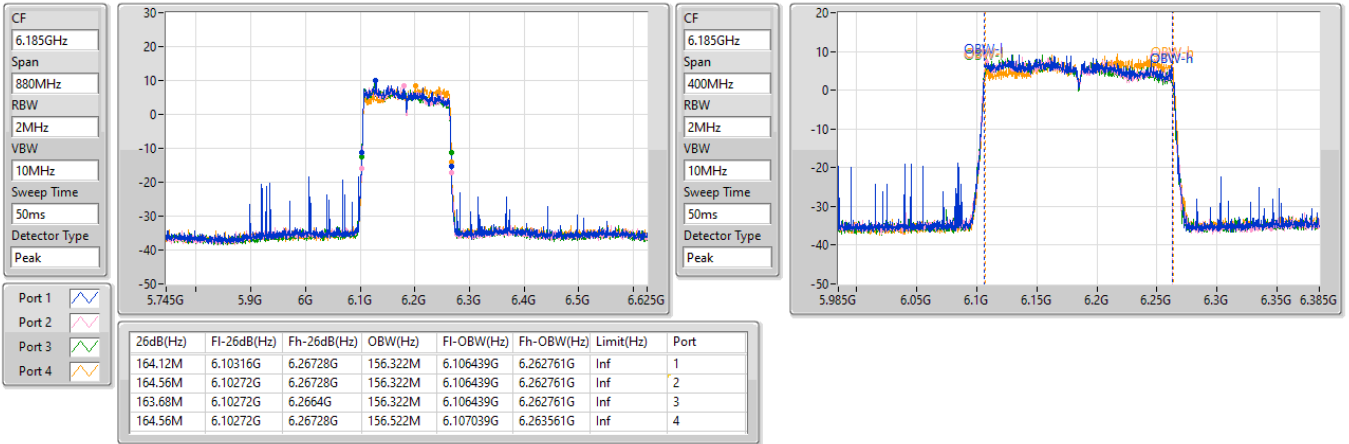


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6185MHz

09/05/2023

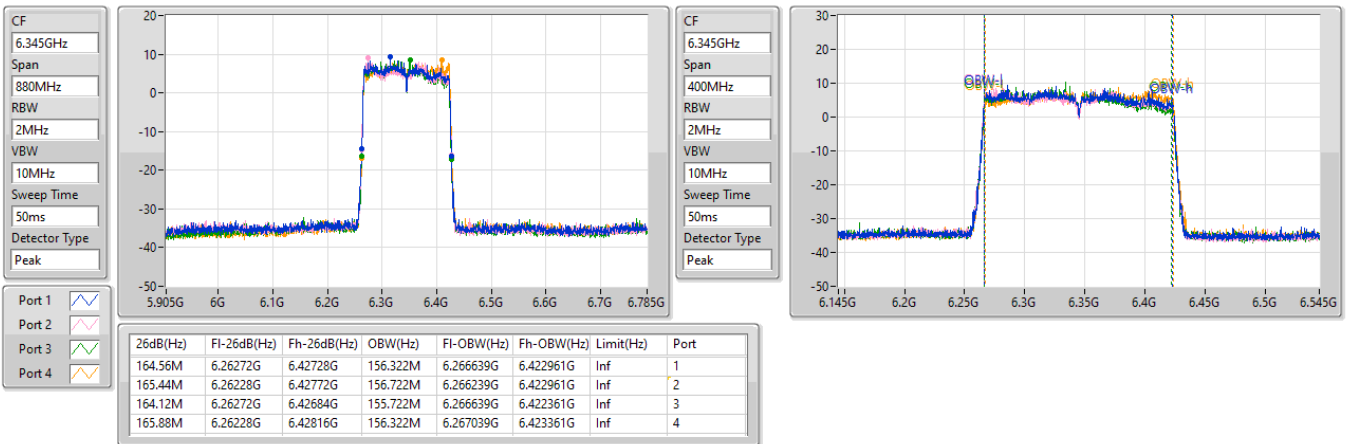


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6345MHz

09/05/2023

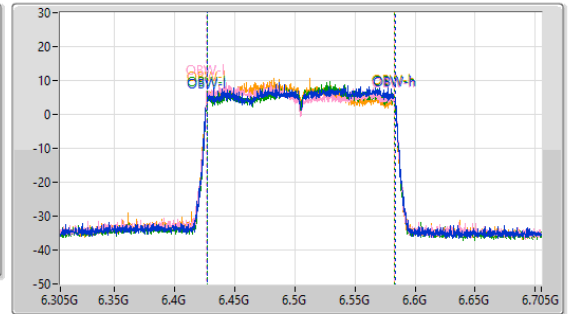
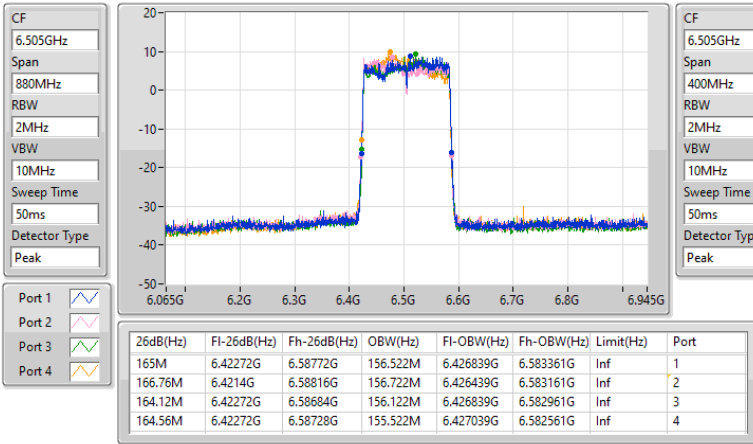


6.425-6.525GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6505MHz

09/05/2023

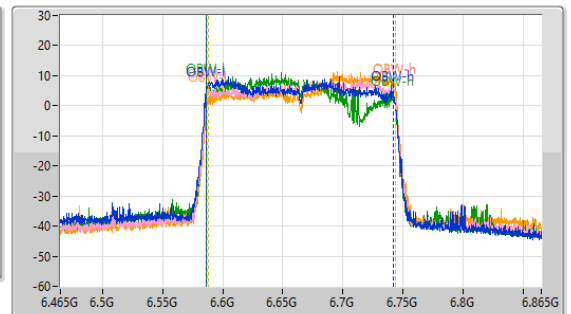
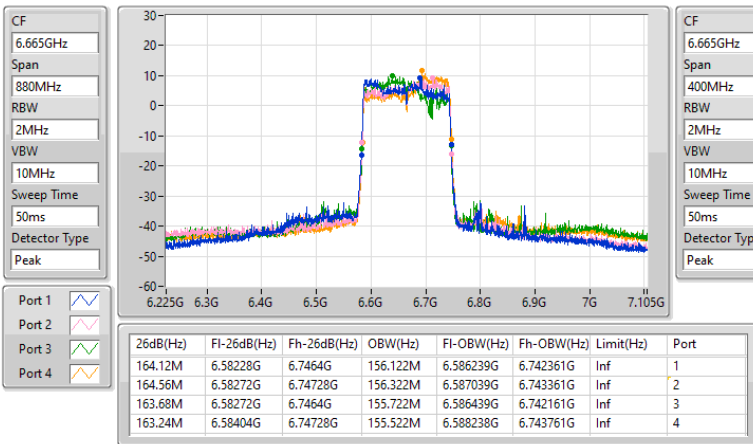


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

6665MHz

09/05/2023



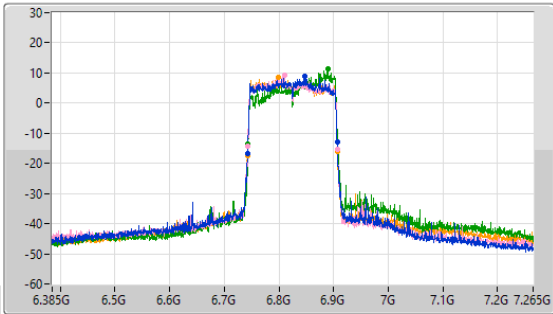
6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

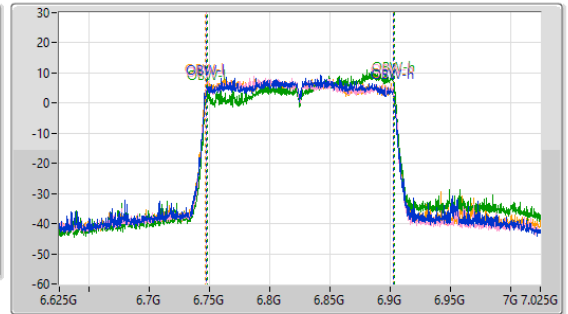
6825MHz

09/05/2023

CF
6.825GHz
Span
880MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.825GHz
Span
400MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	6.74316G	6.90728G	155.722M	6.747039G	6.902761G	Inf	1
165M	6.74272G	6.90772G	156.122M	6.746839G	6.902961G	Inf	2
163.68M	6.7436G	6.90728G	156.122M	6.747839G	6.903961G	Inf	3
164.56M	6.74228G	6.90684G	156.322M	6.746639G	6.902961G	Inf	4

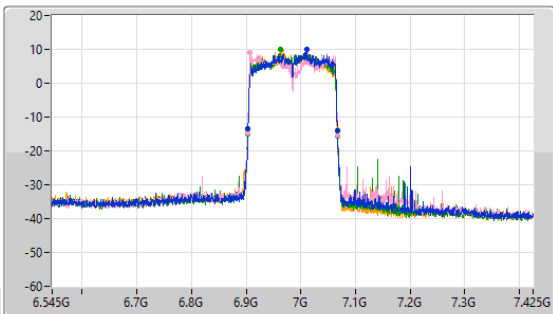
6.875-7.125GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX

EBW

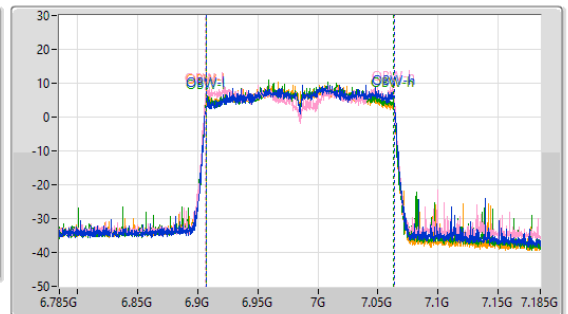
6985MHz

09/05/2023

CF
6.985GHz
Span
880MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.985GHz
Span
400MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.68M	6.9036G	7.06728G	155.922M	6.907439G	7.063361G	Inf	1
165.44M	6.90228G	7.06772G	157.121M	6.906439G	7.063561G	Inf	2
164.12M	6.90272G	7.06684G	155.522M	6.907239G	7.062761G	Inf	3
164.12M	6.90228G	7.0664G	155.722M	6.906839G	7.062561G	Inf	4



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	24.97M	19.19M	19M2D1D	21.395M	19.09M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	44.77M	37.881M	37M9D1D	41.58M	37.781M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	90.42M	77.661M	77M7D1D	81.84M	77.361M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	165.44M	156.722M	157MD1D	164.12M	156.322M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	24.255M	19.165M	19M2D1D	21.56M	19.09M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	43.78M	37.881M	37M9D1D	40.7M	37.781M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	84.92M	77.461M	77M5D1D	82.06M	77.361M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	165.44M	156.522M	157MD1D	163.68M	156.322M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	24.695M	19.19M	19M2D1D	22.055M	19.09M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	46.53M	37.931M	37M9D1D	40.59M	37.731M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	87.34M	77.661M	77M7D1D	82.5M	77.361M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	223.96M	156.722M	157MD1D	164.56M	156.322M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	25.025M	19.215M	19M2D1D	21.67M	19.115M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	47.96M	37.881M	37M9D1D	40.92M	37.781M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	84.48M	77.561M	77M6D1D	82.06M	77.361M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	266.2M	156.722M	157MD1D	165.44M	156.322M

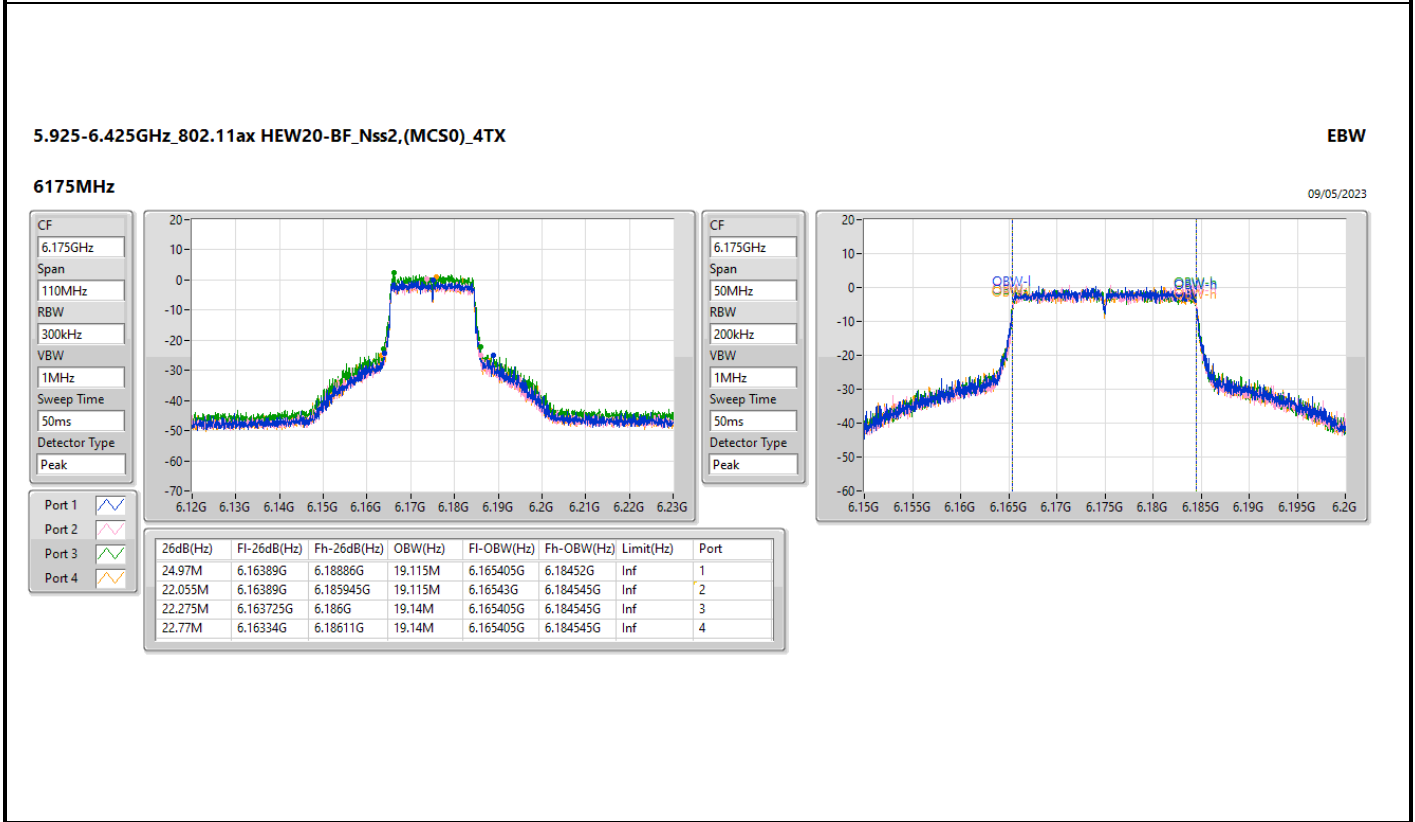
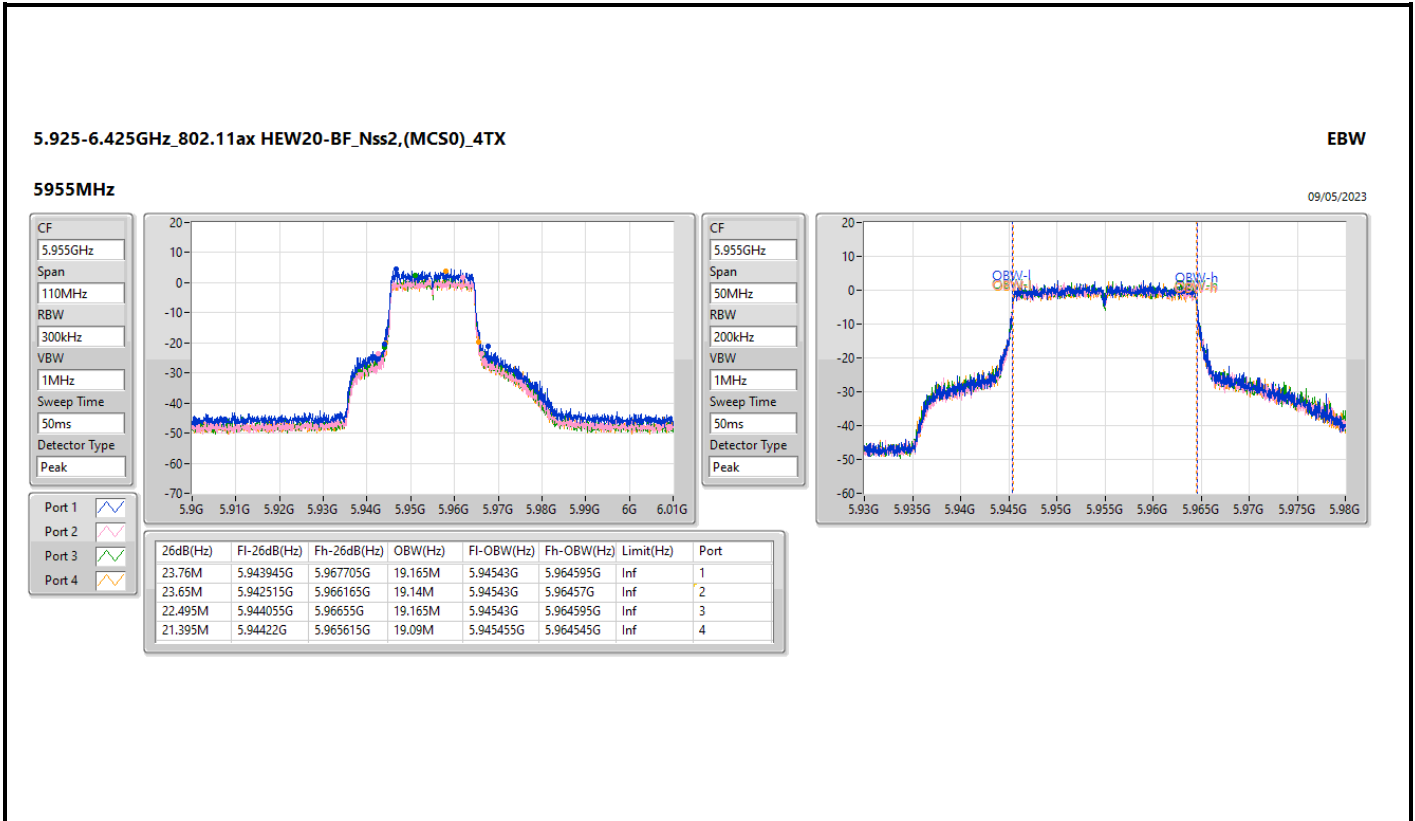
Max-N dB = Maximum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Max-OBW = Maximum 99% occupied bandwidth;
 Min-N dB = Minimum 6dB down bandwidth for 5.725-5.85GHz band / Maximum 26dB down bandwidth for other band;
 Min-OBW = Minimum 99% occupied bandwidth



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	23.76M	19.165M	23.65M	19.14M	22.495M	19.165M	21.395M	19.09M
6175MHz	Pass	Inf	24.97M	19.115M	22.055M	19.115M	22.275M	19.14M	22.77M	19.14M
6415MHz	Pass	Inf	24.75M	19.09M	22.33M	19.14M	22.165M	19.19M	24.64M	19.14M
6435MHz	Pass	Inf	22.825M	19.14M	24.255M	19.09M	21.56M	19.09M	22.385M	19.115M
6475MHz	Pass	Inf	22.385M	19.165M	22.44M	19.115M	21.725M	19.115M	24.255M	19.115M
6515MHz	Pass	Inf	23.21M	19.14M	23.265M	19.115M	22.275M	19.14M	22.88M	19.09M
6535MHz	Pass	Inf	22.055M	19.19M	22.605M	19.115M	22.495M	19.165M	22.605M	19.09M
6695MHz	Pass	Inf	23.54M	19.14M	22.44M	19.165M	22.22M	19.14M	22.22M	19.115M
6855MHz	Pass	Inf	24.255M	19.14M	22.22M	19.115M	23.155M	19.165M	24.145M	19.14M
6875MHz	Pass	Inf	24.585M	19.14M	23.1M	19.165M	24.695M	19.115M	24.365M	19.14M
6895MHz	Pass	Inf	22.275M	19.19M	22.11M	19.115M	22.275M	19.14M	22.165M	19.14M
6995MHz	Pass	Inf	23.595M	19.215M	23.54M	19.14M	22.385M	19.165M	25.025M	19.19M
7095MHz	Pass	Inf	23.32M	19.165M	24.97M	19.14M	21.67M	19.14M	22.495M	19.14M
802.11ax HEW40-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	44.77M	37.881M	44.66M	37.831M	44.66M	37.781M	42.02M	37.831M
6165MHz	Pass	Inf	42.02M	37.831M	41.58M	37.881M	41.58M	37.881M	41.8M	37.831M
6405MHz	Pass	Inf	43.01M	37.831M	42.57M	37.881M	43.67M	37.831M	42.46M	37.831M
6445MHz	Pass	Inf	41.36M	37.881M	41.25M	37.831M	43.78M	37.781M	43.23M	37.781M
6485MHz	Pass	Inf	42.57M	37.831M	42.24M	37.881M	42.13M	37.831M	42.13M	37.881M
6525MHz	Pass	Inf	41.03M	37.831M	42.02M	37.831M	43.01M	37.831M	40.7M	37.881M
6565MHz	Pass	Inf	41.91M	37.881M	40.59M	37.781M	44.99M	37.831M	41.14M	37.831M
6685MHz	Pass	Inf	46.53M	37.781M	40.59M	37.831M	42.57M	37.731M	42.79M	37.831M
6845MHz	Pass	Inf	41.47M	37.931M	41.47M	37.831M	42.35M	37.831M	41.91M	37.831M
6885MHz	Pass	Inf	41.03M	37.881M	42.79M	37.881M	41.69M	37.781M	41.47M	37.781M
6925MHz	Pass	Inf	41.25M	37.781M	42.68M	37.831M	42.35M	37.831M	41.14M	37.781M
7005MHz	Pass	Inf	41.25M	37.881M	41.14M	37.781M	42.24M	37.781M	40.92M	37.831M
7085MHz	Pass	Inf	45.32M	37.831M	47.96M	37.881M	46.86M	37.881M	43.01M	37.881M
802.11ax HEW80-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	90.42M	77.361M	82.5M	77.361M	87.34M	77.361M	84.26M	77.461M
6145MHz	Pass	Inf	82.28M	77.461M	81.84M	77.361M	83.6M	77.461M	83.6M	77.461M
6385MHz	Pass	Inf	82.94M	77.361M	82.06M	77.361M	84.48M	77.661M	82.28M	77.461M
6465MHz	Pass	Inf	82.5M	77.361M	84.92M	77.461M	83.82M	77.461M	83.38M	77.461M
6545MHz	Pass	Inf	82.28M	77.461M	83.16M	77.361M	82.06M	77.461M	82.06M	77.461M
6625MHz	Pass	Inf	84.92M	77.561M	82.5M	77.461M	82.72M	77.561M	82.72M	77.461M
6705MHz	Pass	Inf	83.82M	77.461M	82.5M	77.361M	83.38M	77.361M	83.82M	77.361M
6785MHz	Pass	Inf	82.5M	77.461M	82.94M	77.361M	84.04M	77.561M	84.92M	77.461M
6865MHz	Pass	Inf	87.34M	77.461M	84.26M	77.461M	85.36M	77.561M	83.16M	77.661M
6945MHz	Pass	Inf	84.48M	77.461M	82.72M	77.361M	83.16M	77.461M	83.16M	77.461M
7025MHz	Pass	Inf	83.82M	77.361M	84.26M	77.361M	84.04M	77.361M	82.06M	77.561M
802.11ax HEW160-BF_Nss2,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	165.44M	156.722M	164.12M	156.322M	165M	156.722M	164.56M	156.522M
6185MHz	Pass	Inf	165M	156.522M	164.56M	156.522M	164.12M	156.722M	165.44M	156.522M
6345MHz	Pass	Inf	164.12M	156.722M	164.56M	156.322M	165.44M	156.522M	165M	156.322M
6505MHz	Pass	Inf	164.56M	156.322M	165M	156.522M	165.44M	156.522M	163.68M	156.322M
6665MHz	Pass	Inf	164.56M	156.322M	164.56M	156.522M	223.96M	156.722M	165.44M	156.722M
6825MHz	Pass	Inf	165M	156.522M	165.44M	156.322M	165M	156.322M	165.88M	156.522M
6985MHz	Pass	Inf	266.2M	156.322M	165.44M	156.322M	224.84M	156.522M	230.56M	156.722M

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

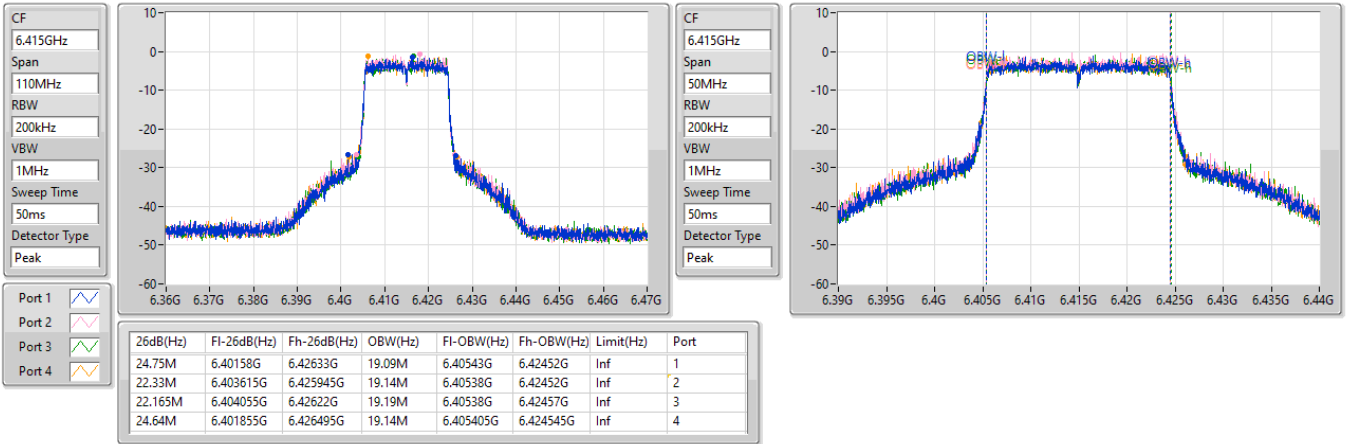


5.925-6.425GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6415MHz

09/05/2023

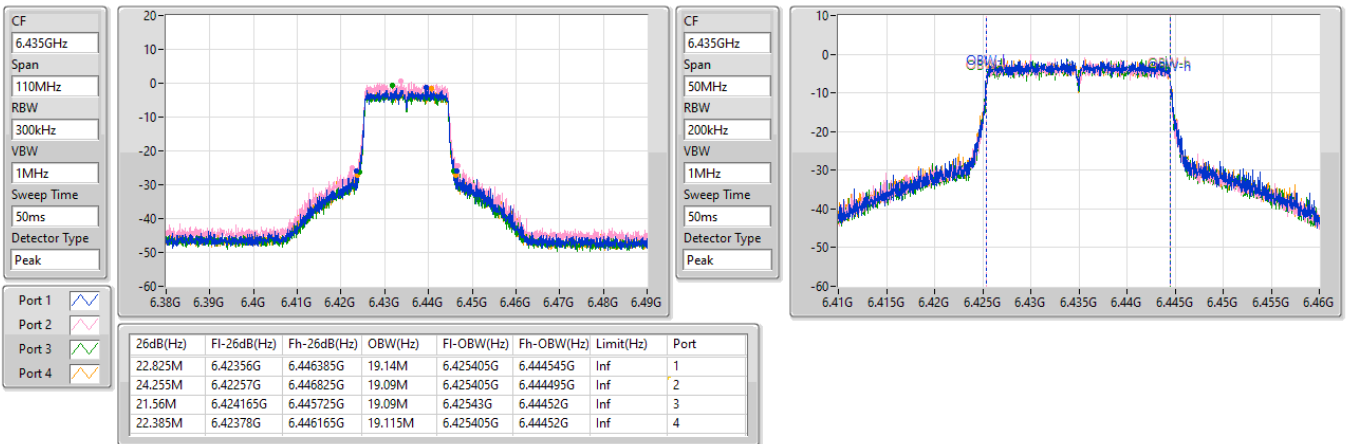


6.425-6.525GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6435MHz

09/05/2023

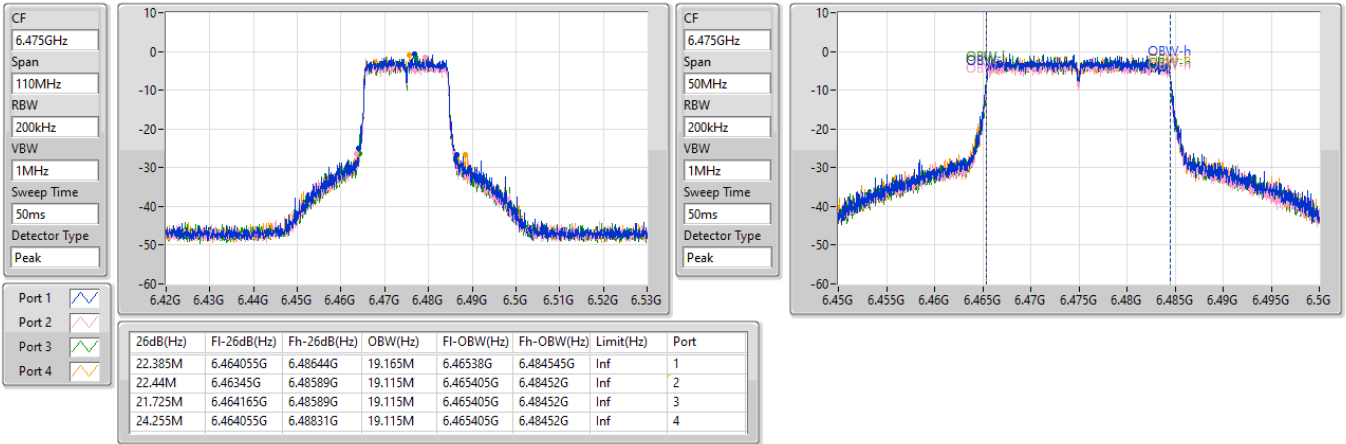


6.425-6.525GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6475MHz

09/05/2023

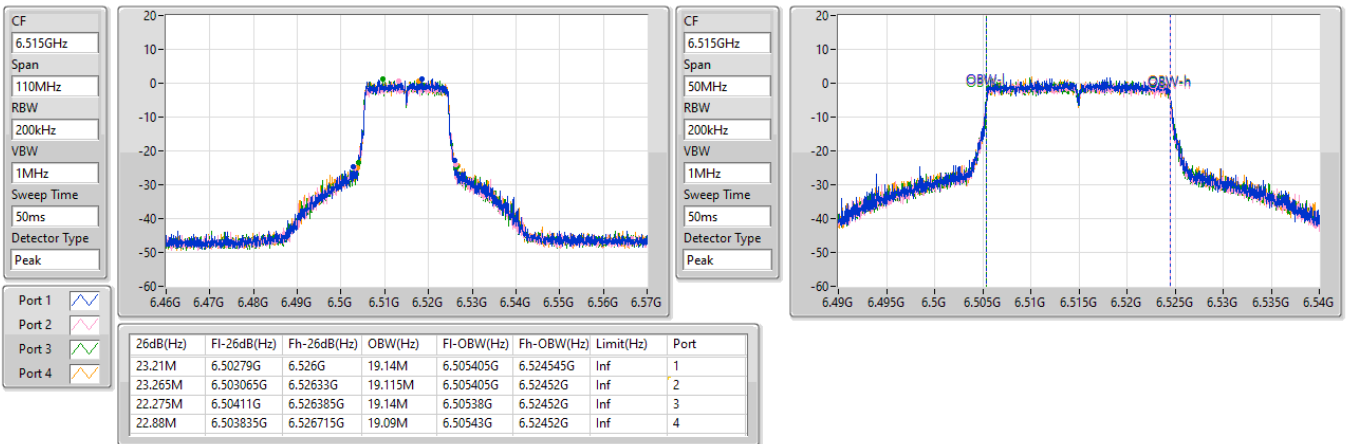


6.425-6.525GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6515MHz

09/05/2023



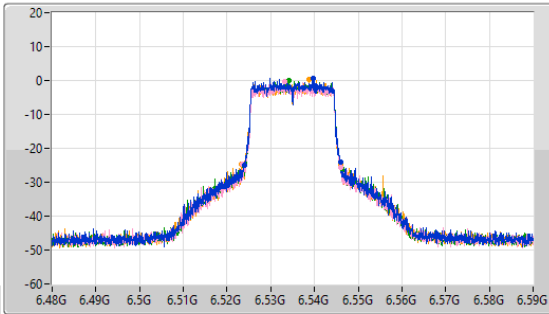
6.525-6.875GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

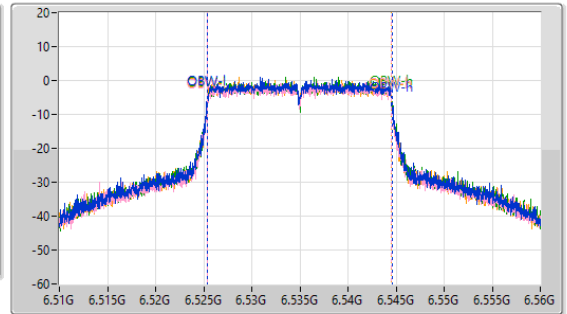
6535MHz

09/05/2023

CF
6.535GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
50ms
Detector Type
Peak



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



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.055M	6.523945G	6.546G	19.19M	6.52538G	6.54457G	Inf	1
22.605M	6.52345G	6.546055G	19.115M	6.52543G	6.544545G	Inf	2
22.495M	6.523725G	6.54622G	19.165M	6.525405G	6.54457G	Inf	3
22.605M	6.523285G	6.54589G	19.09M	6.52543G	6.54452G	Inf	4

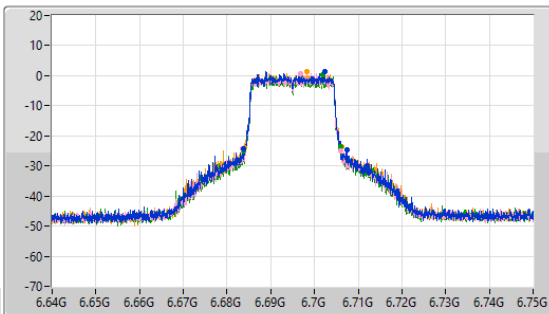
6.525-6.875GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

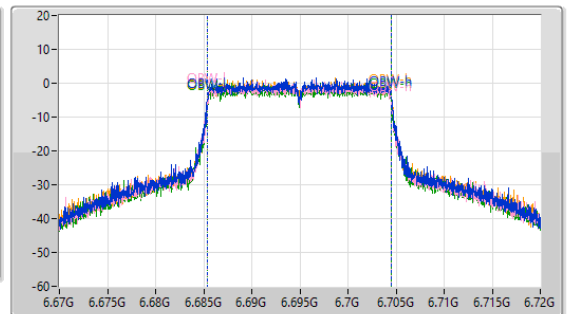
6695MHz

09/05/2023

CF
6.695GHz
Span
110MHz
RBW
200kHz
VBW
1MHz
Sweep Time
50ms
Detector Type
Peak



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



Port 1
Port 2
Port 3
Port 4

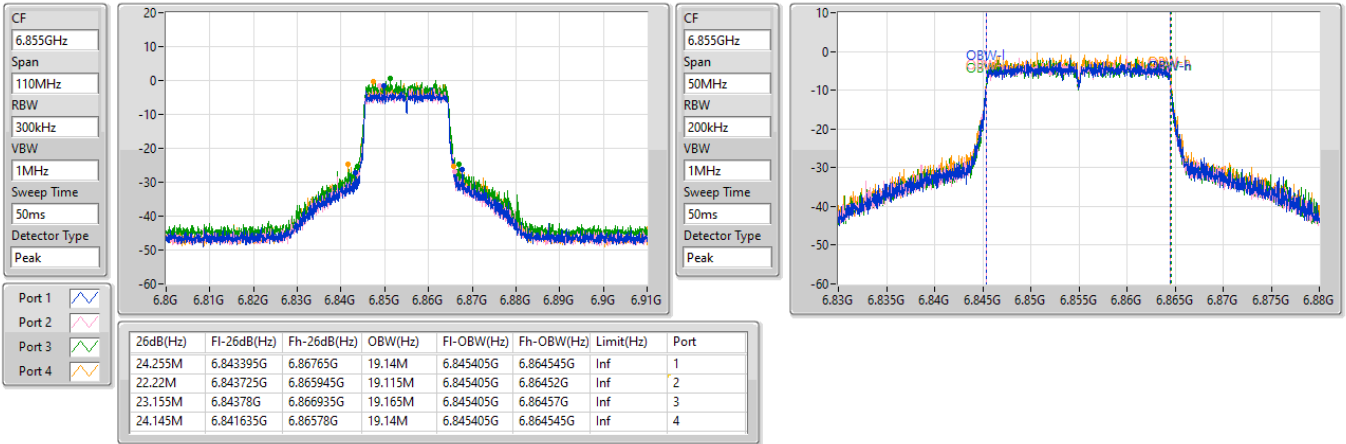
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.54M	6.683835G	6.707375G	19.14M	6.685405G	6.704545G	Inf	1
22.44M	6.683505G	6.705945G	19.165M	6.68538G	6.704545G	Inf	2
22.22M	6.68367G	6.70589G	19.14M	6.685405G	6.704545G	Inf	3
22.22M	6.684055G	6.706275G	19.115M	6.68543G	6.704545G	Inf	4

6.525-6.875GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6855MHz

09/05/2023

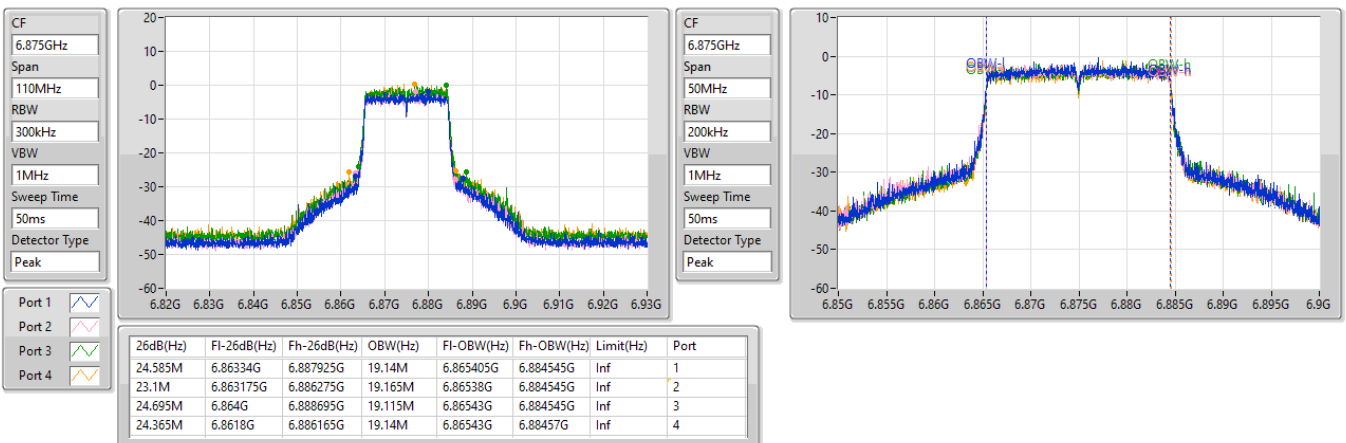


6.525-6.875GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6875MHz

09/05/2023

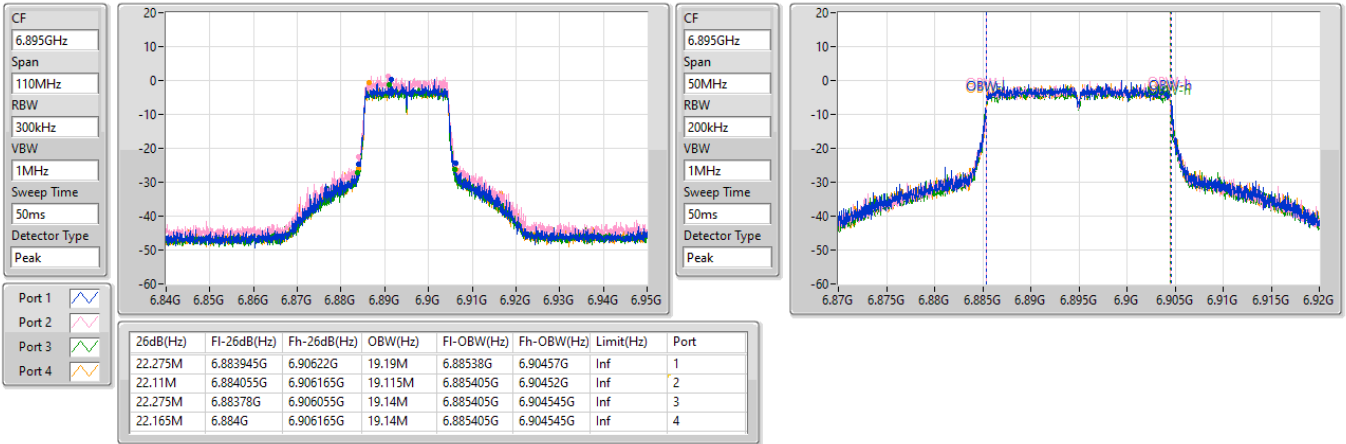


6.875-7.125GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6895MHz

09/05/2023

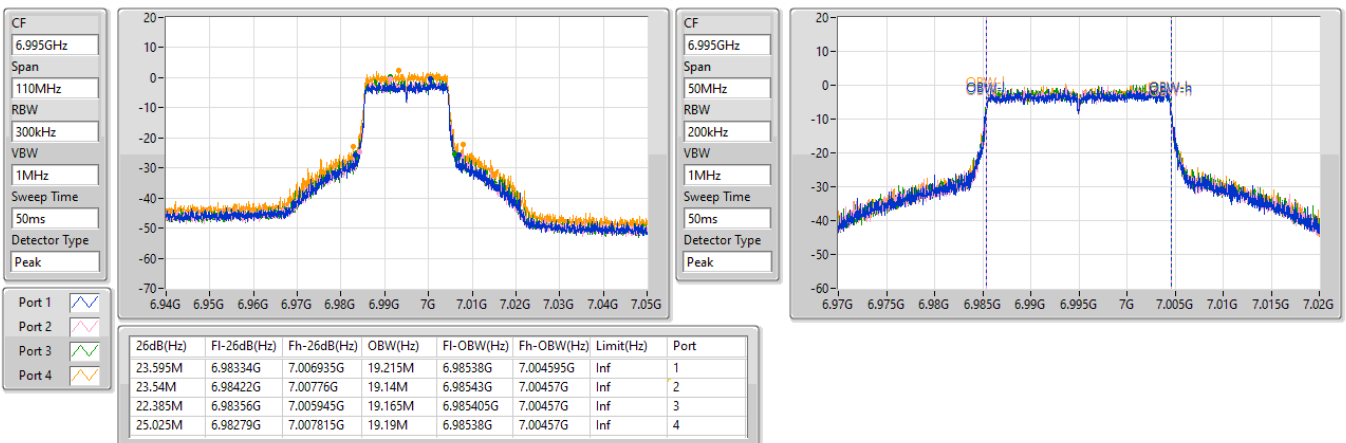


6.875-7.125GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

6995MHz

09/05/2023



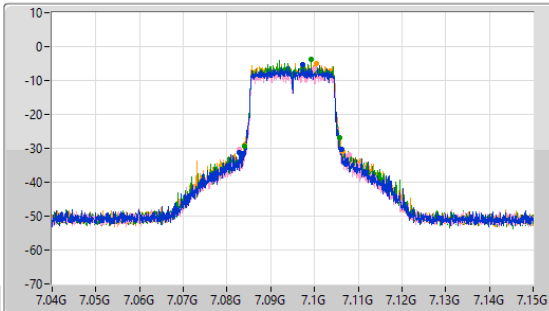
6.875-7.125GHz_802.11ax HEW20-BF_Nss2,(MCS0)_4TX

EBW

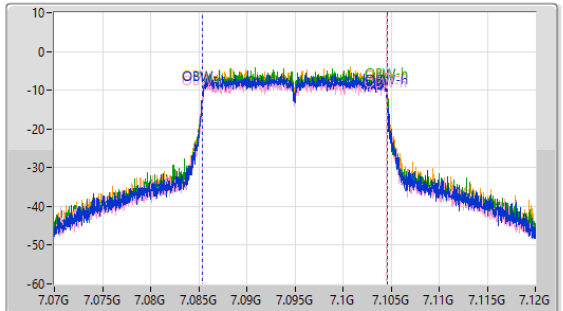
7095MHz

09/05/2023

CF: 7.095GHz
 Span: 110MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 50ms
 Detector Type: Peak



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



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
23.32M	7.0829G	7.10622G	19.165M	7.085405G	7.10457G	Inf	1
24.97M	7.082845G	7.107815G	19.14M	7.085405G	7.104545G	Inf	2
21.67M	7.08411G	7.10578G	19.14M	7.08543G	7.10457G	Inf	3
22.495M	7.08389G	7.106385G	19.14M	7.08543G	7.10457G	Inf	4

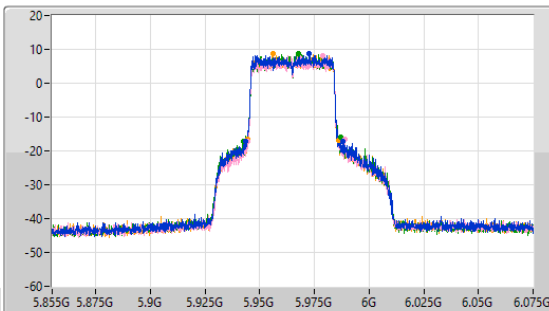
5.925-6.425GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

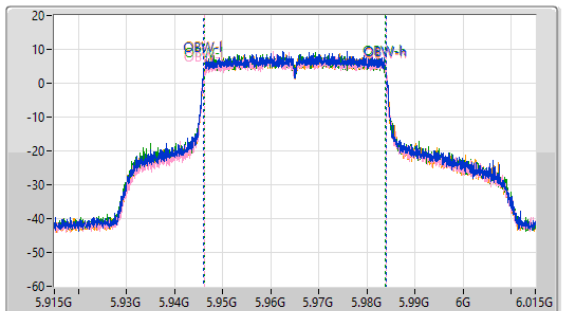
5965MHz

09/05/2023

CF: 5.965GHz
 Span: 220MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 5.965GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Waveform icon]
 Port 2: [Waveform icon]
 Port 3: [Waveform icon]
 Port 4: [Waveform icon]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
44.77M	5.94333G	5.9881G	37.881M	5.946059G	5.983941G	Inf	1
44.66M	5.94432G	5.98898G	37.831M	5.946109G	5.983941G	Inf	2
44.66M	5.94245G	5.98711G	37.781M	5.946109G	5.983891G	Inf	3
42.02M	5.94421G	5.98623G	37.831M	5.946109G	5.983941G	Inf	4

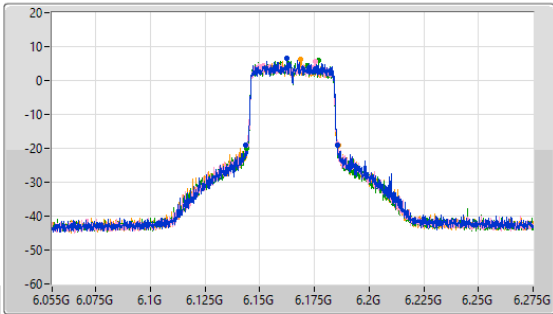
5.925-6.425GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

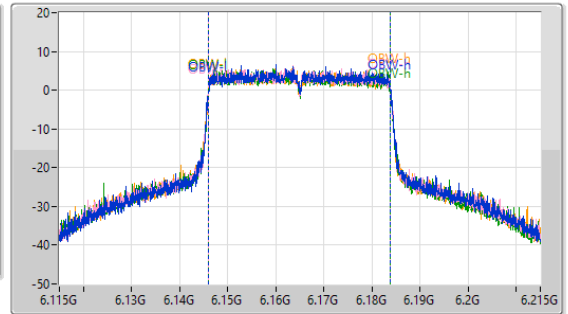
6165MHz

09/05/2023

CF
6.165GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.165GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.02M	6.14344G	6.18546G	37.831M	6.146059G	6.183891G	Inf	1
41.58M	6.14377G	6.18535G	37.881M	6.146009G	6.183891G	Inf	2
41.58M	6.14377G	6.18535G	37.881M	6.146009G	6.183891G	Inf	3
41.8M	6.1441G	6.1859G	37.831M	6.146009G	6.183841G	Inf	4

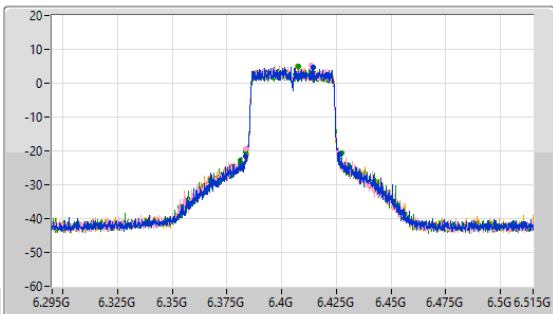
5.925-6.425GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

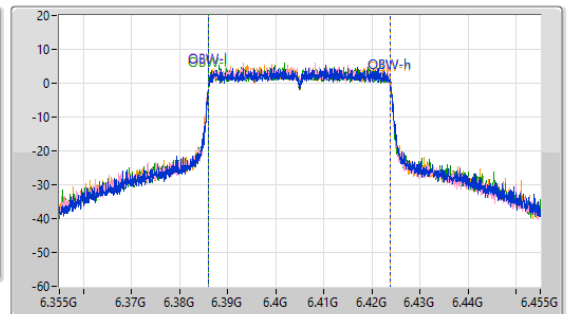
6405MHz

09/05/2023

CF
6.405GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.405GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

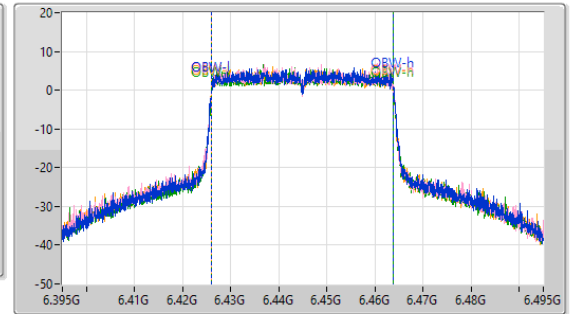
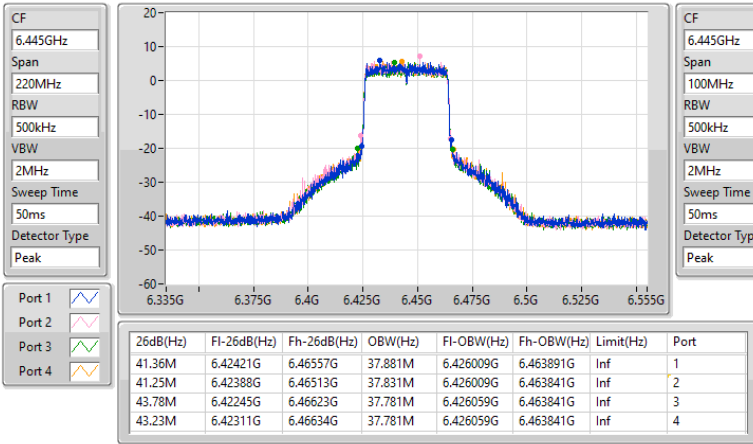
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
43.01M	6.38333G	6.42634G	37.831M	6.386059G	6.423891G	Inf	1
42.57M	6.38366G	6.42623G	37.881M	6.386009G	6.423891G	Inf	2
43.67M	6.38366G	6.42733G	37.831M	6.386059G	6.423891G	Inf	3
42.46M	6.38388G	6.42634G	37.831M	6.386059G	6.423891G	Inf	4

6.425-6.525GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

6445MHz

09/05/2023

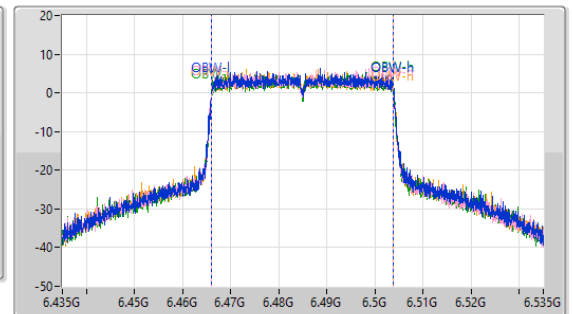
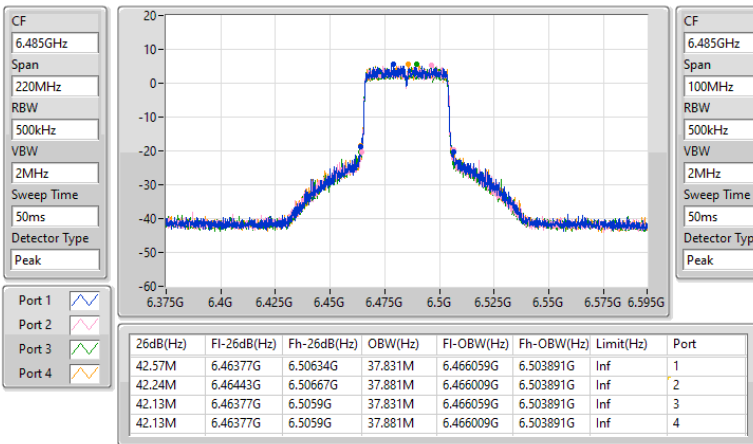


6.425-6.525GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

6485MHz

09/05/2023



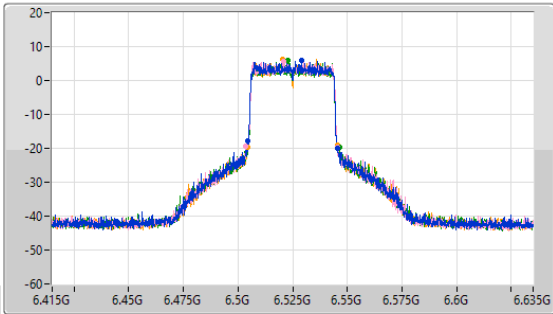
6.425-6.525GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

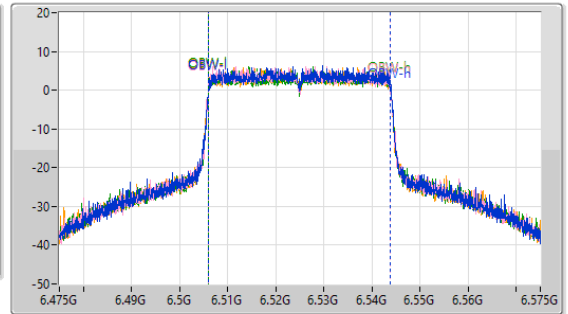
6525MHz

09/05/2023

CF
6.525GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.525GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.03M	6.50443G	6.54546G	37.831M	6.506059G	6.543891G	Inf	1
42.02M	6.503355G	6.54557G	37.831M	6.506009G	6.543841G	Inf	2
43.01M	6.50344G	6.54645G	37.831M	6.506059G	6.543891G	Inf	3
40.7M	6.50465G	6.54535G	37.881M	6.506009G	6.543891G	Inf	4

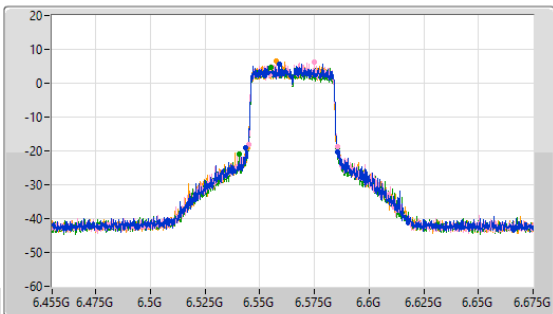
6.525-6.875GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

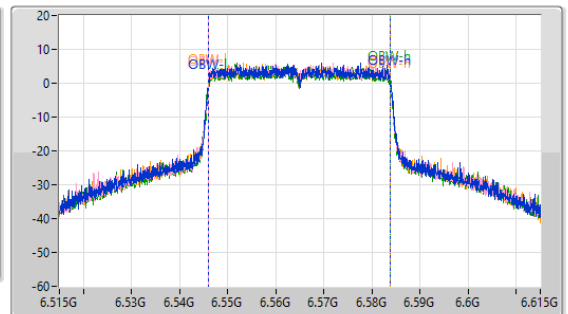
6565MHz

09/05/2023

CF
6.565GHz
Span
220MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.565GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

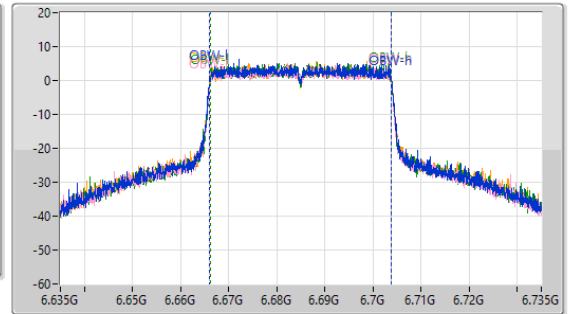
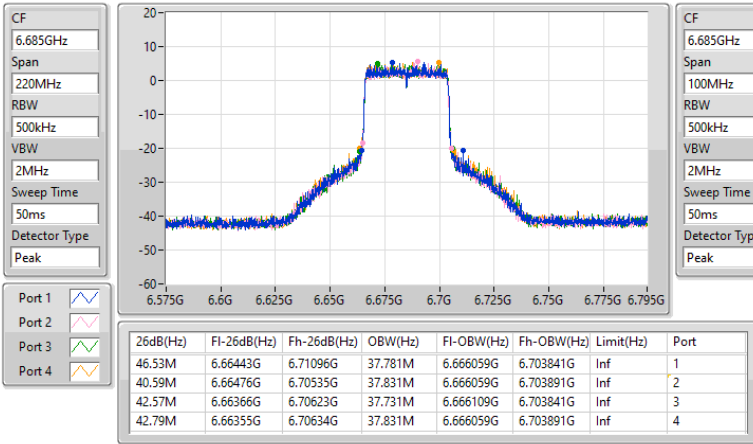
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.91M	6.54355G	6.58546G	37.881M	6.546009G	6.583891G	Inf	1
40.59M	6.54476G	6.58535G	37.781M	6.546059G	6.583841G	Inf	2
44.99M	6.54036G	6.58535G	37.831M	6.546059G	6.583891G	Inf	3
41.14M	6.54465G	6.58579G	37.831M	6.546009G	6.583841G	Inf	4

6.525-6.875GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

6685MHz

09/05/2023

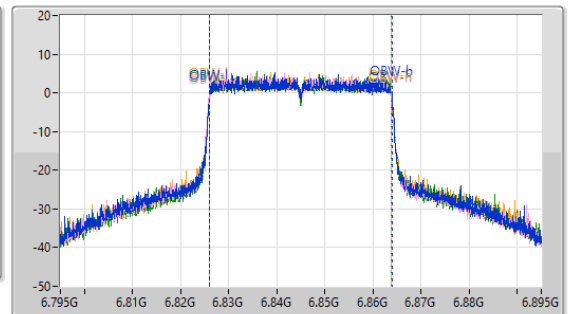
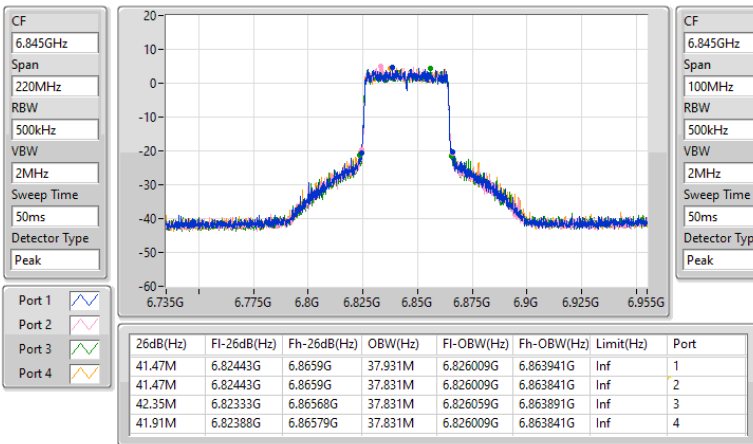


6.525-6.875GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

6845MHz

09/05/2023

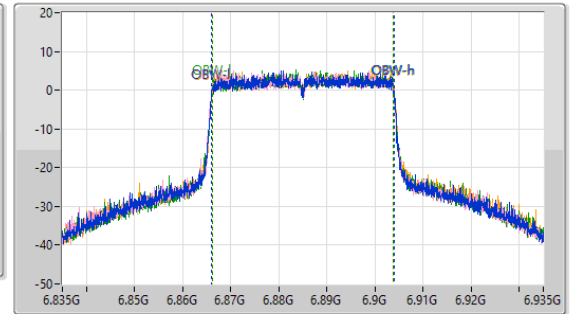
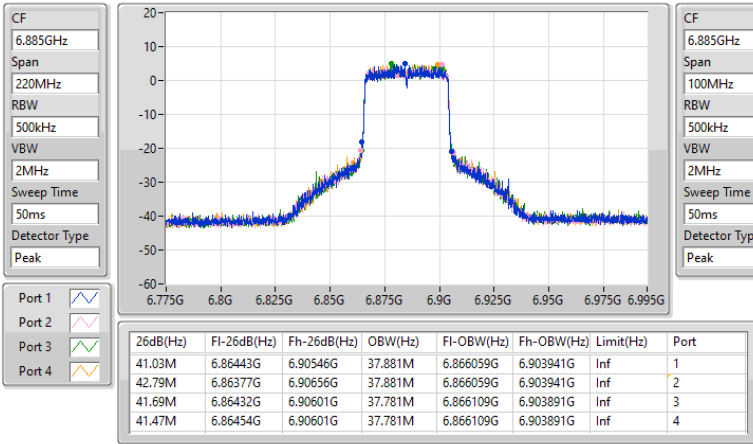


6.525-6.875GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

6885MHz

09/05/2023

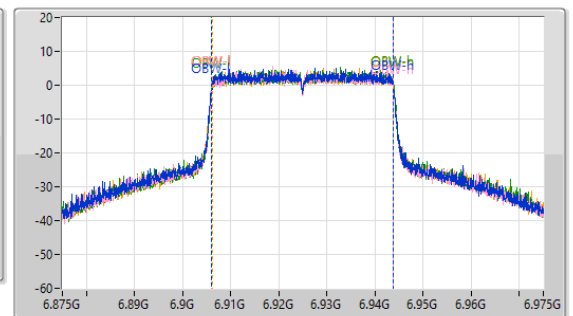
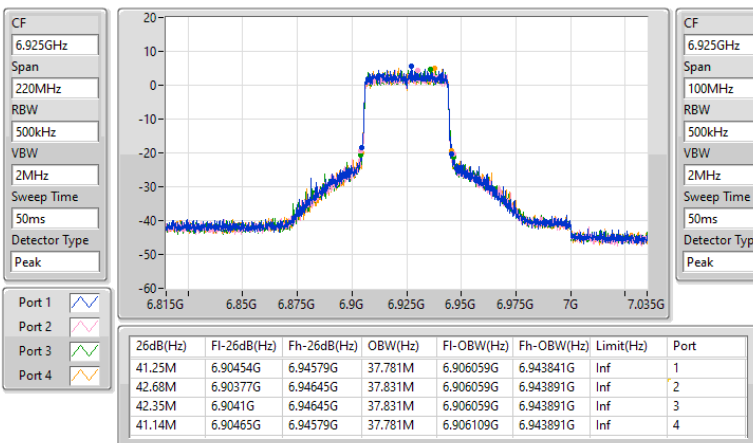


6.875-7.125GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

6925MHz

09/05/2023

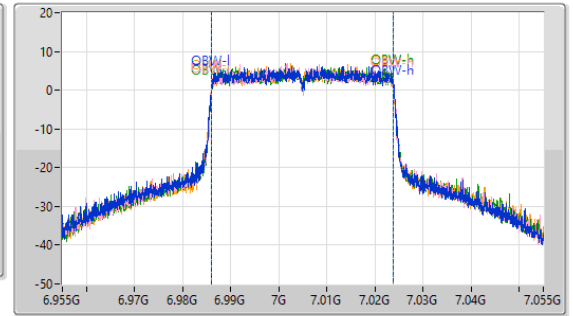
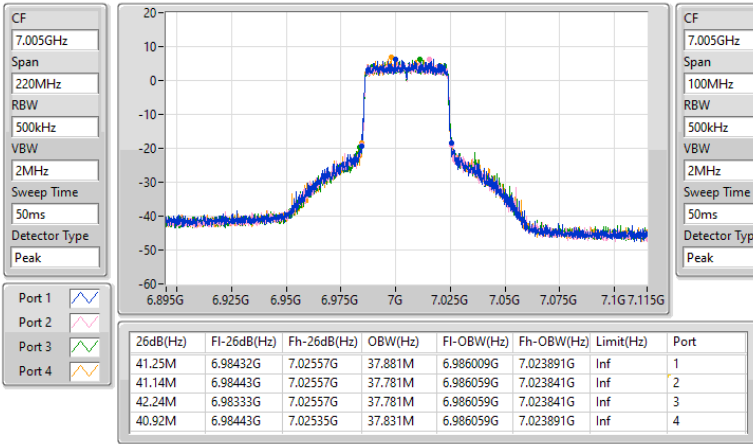


6.875-7.125GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

7005MHz

09/05/2023

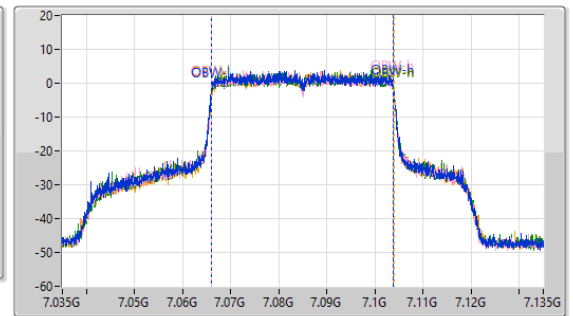
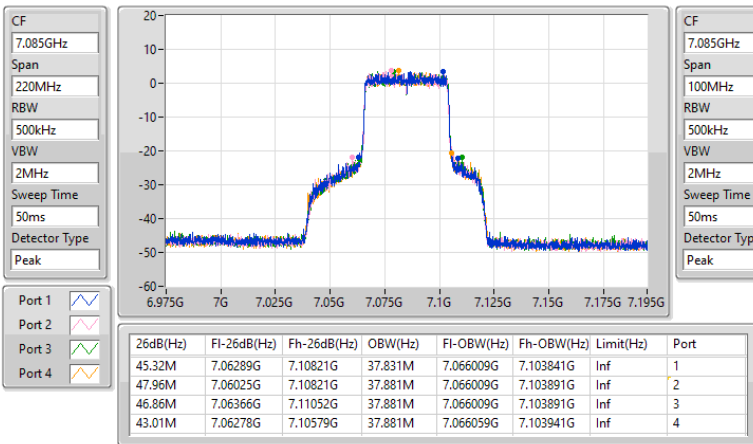


6.875-7.125GHz_802.11ax HEW40-BF_Nss2,(MCS0)_4TX

EBW

7085MHz

09/05/2023

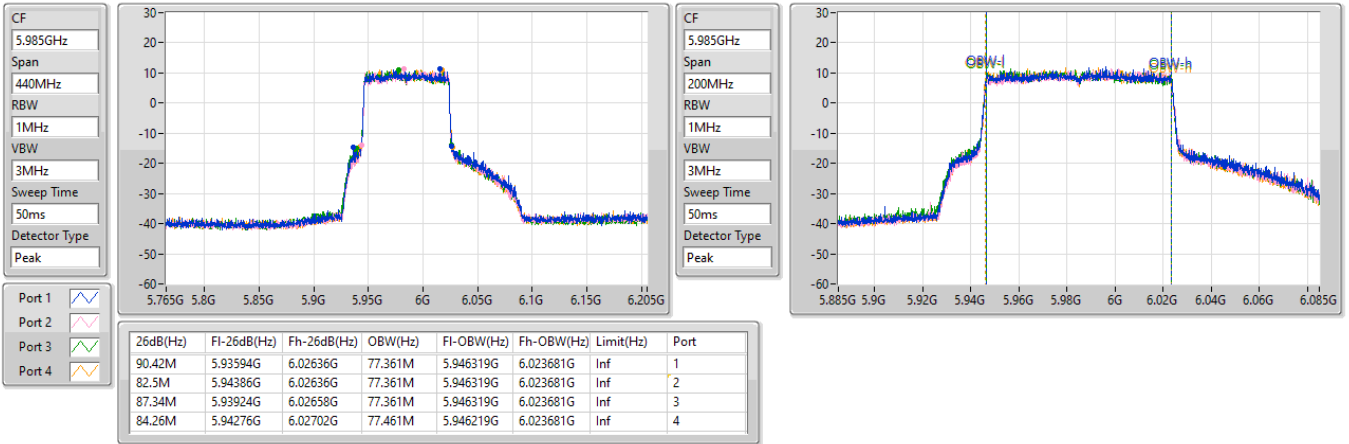


5.925-6.425GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

5985MHz

09/05/2023

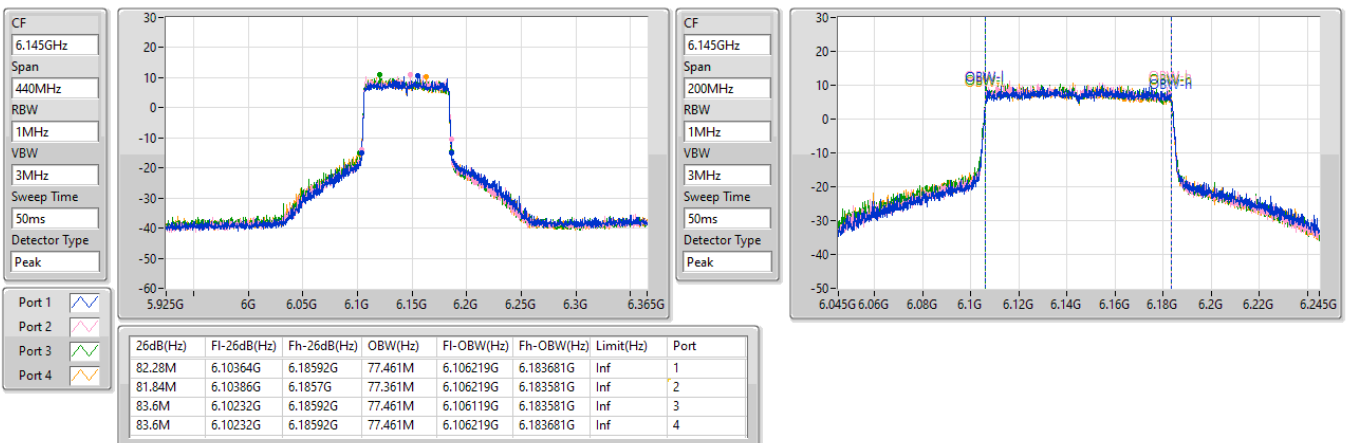


5.925-6.425GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

6145MHz

09/05/2023



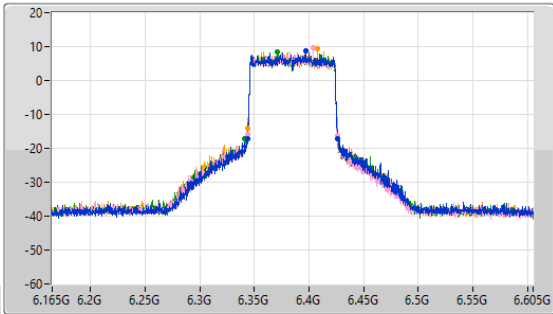
5.925-6.425GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

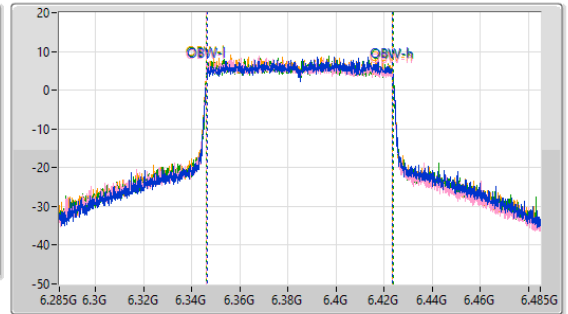
6385MHz

09/05/2023

CF
6.385GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.385GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.94M	6.34342G	6.42636G	77.361M	6.346319G	6.423681G	Inf	1
82.06M	6.34386G	6.42592G	77.361M	6.346219G	6.423581G	Inf	2
84.48M	6.34144G	6.42592G	77.661M	6.346119G	6.423781G	Inf	3
82.28M	6.34364G	6.42592G	77.461M	6.346119G	6.423581G	Inf	4

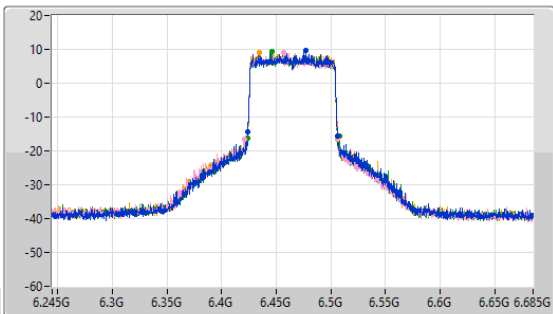
6.425-6.525GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

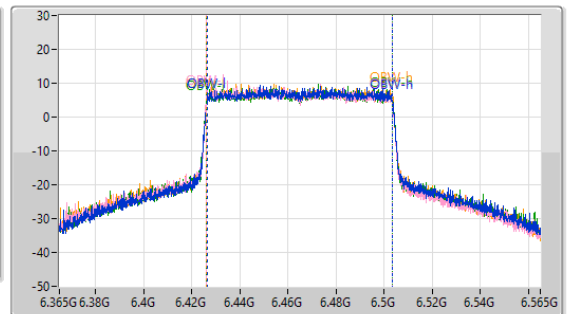
6465MHz

09/05/2023

CF
6.465GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.465GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.42408G	6.50658G	77.361M	6.426319G	6.503681G	Inf	1
84.92M	6.42144G	6.50636G	77.461M	6.426119G	6.503581G	Inf	2
83.82M	6.42386G	6.50768G	77.461M	6.426219G	6.503681G	Inf	3
83.38M	6.42298G	6.50636G	77.461M	6.426219G	6.503681G	Inf	4

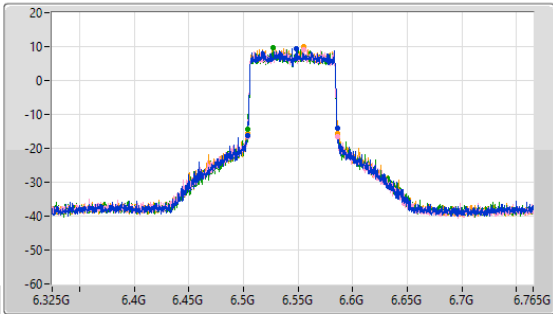
6.425-6.525GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

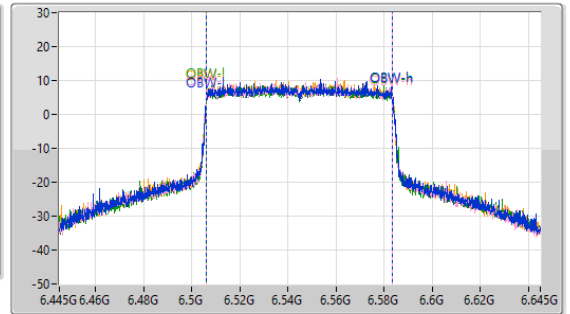
6545MHz

09/05/2023

CF
6.545GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.545GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	6.50342G	6.5857G	77.461M	6.506219G	6.583681G	Inf	1
83.16M	6.50342G	6.58658G	77.361M	6.506219G	6.583581G	Inf	2
82.06M	6.50386G	6.58592G	77.461M	6.506219G	6.583681G	Inf	3
82.06M	6.50386G	6.58592G	77.461M	6.506219G	6.583681G	Inf	4

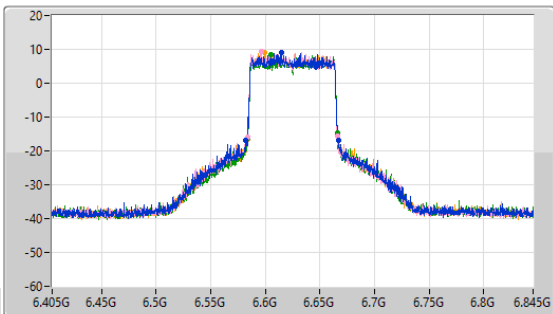
6.525-6.875GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

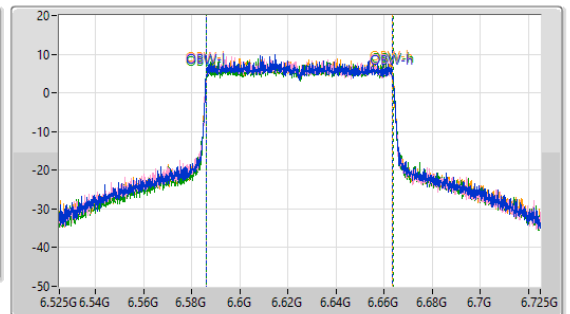
6625MHz

09/05/2023

CF
6.625GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.625GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
84.92M	6.58232G	6.66724G	77.561M	6.586119G	6.663681G	Inf	1
82.5M	6.58386G	6.66636G	77.461M	6.586219G	6.663681G	Inf	2
82.72M	6.58342G	6.66614G	77.561M	6.586219G	6.663781G	Inf	3
82.72M	6.58342G	6.66614G	77.461M	6.586219G	6.663681G	Inf	4

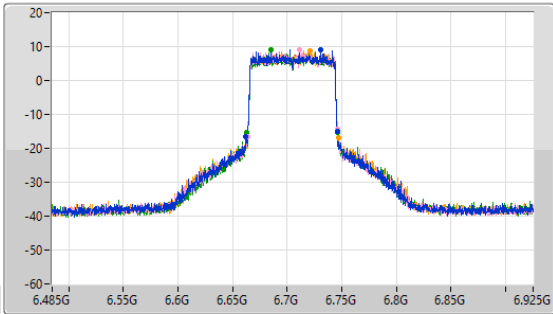
6.525-6.875GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

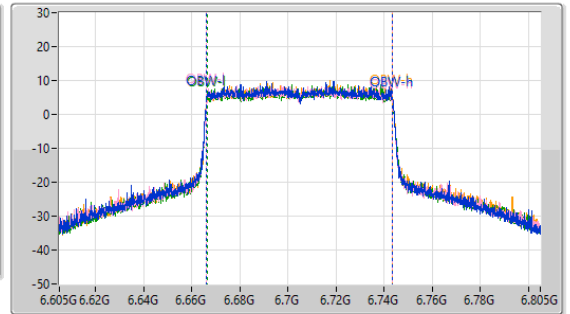
6705MHz

09/05/2023

CF
6.705GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.705GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.82M	6.6621G	6.74592G	77.461M	6.666219G	6.743681G	Inf	1
82.5M	6.66386G	6.74636G	77.361M	6.666219G	6.743581G	Inf	2
83.38M	6.66276G	6.74614G	77.361M	6.666319G	6.743681G	Inf	3
83.82M	6.66298G	6.7468G	77.361M	6.666319G	6.743681G	Inf	4

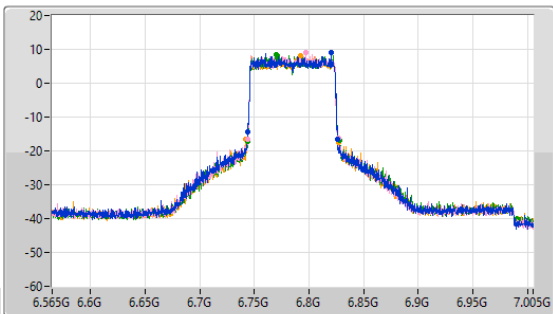
6.525-6.875GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

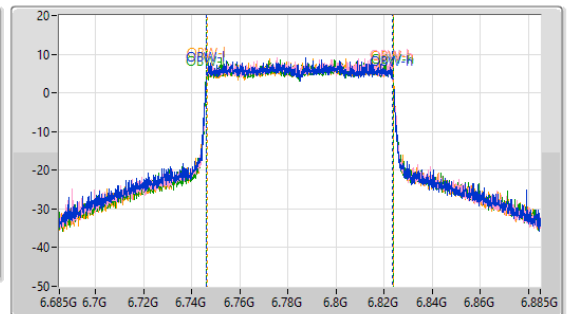
6785MHz

09/05/2023

CF
6.785GHz
Span
440MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.785GHz
Span
200MHz
RBW
1MHz
VBW
3MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

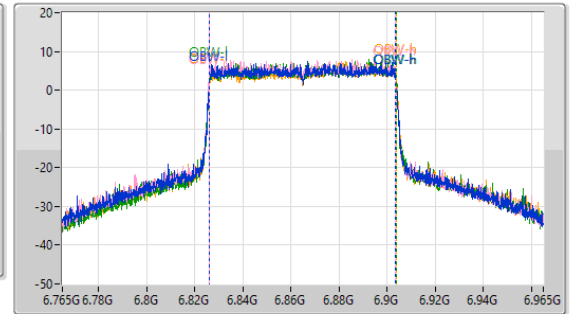
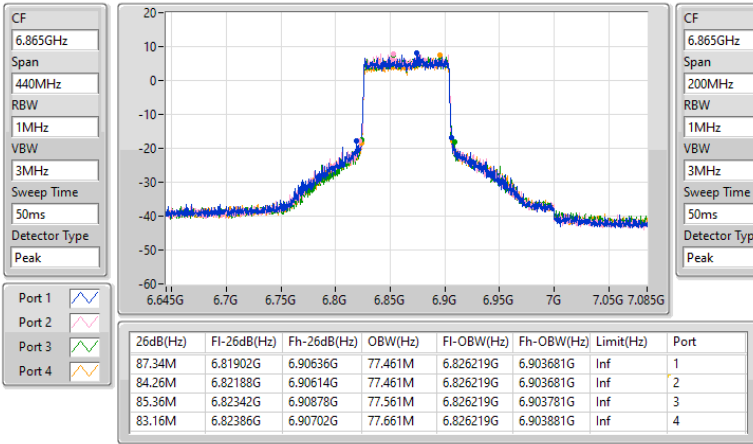
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.74386G	6.82636G	77.461M	6.746219G	6.823681G	Inf	1
82.94M	6.74386G	6.8268G	77.361M	6.746219G	6.823581G	Inf	2
84.04M	6.74364G	6.82768G	77.561M	6.746219G	6.823781G	Inf	3
84.92M	6.74188G	6.8268G	77.461M	6.746319G	6.823781G	Inf	4

6.525-6.875GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

6865MHz

09/05/2023

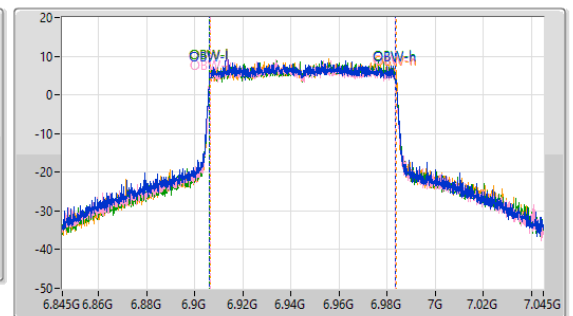
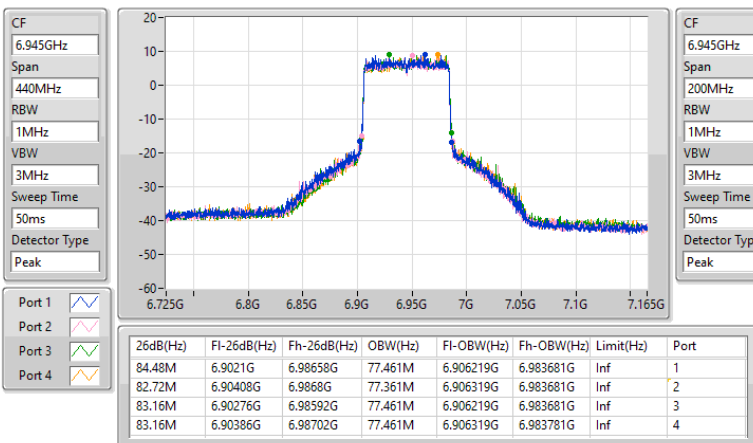


6.875-7.125GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

6945MHz

09/05/2023



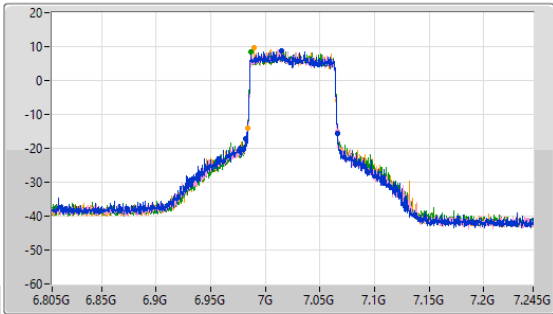
6.875-7.125GHz_802.11ax HEW80-BF_Nss2,(MCS0)_4TX

EBW

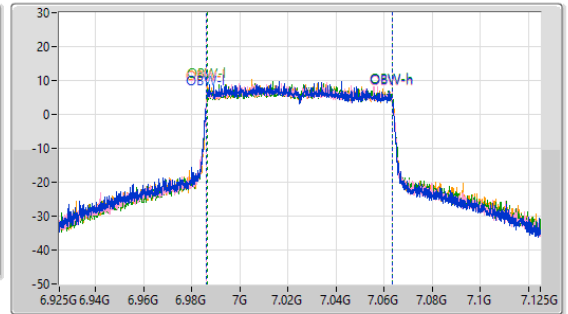
7025MHz

09/05/2023

CF: 7.025GHz
 Span: 440MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 7.025GHz
 Span: 200MHz
 RBW: 1MHz
 VBW: 3MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Blue line]
 Port 2: [Pink line]
 Port 3: [Green line]
 Port 4: [Orange line]

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.82M	6.98232G	7.06614G	77.361M	6.986219G	7.063581G	Inf	1
84.26M	6.98166G	7.06592G	77.361M	6.986219G	7.063581G	Inf	2
84.04M	6.9821G	7.06614G	77.361M	6.986319G	7.063681G	Inf	3
82.06M	6.98386G	7.06592G	77.561M	6.986119G	7.063681G	Inf	4

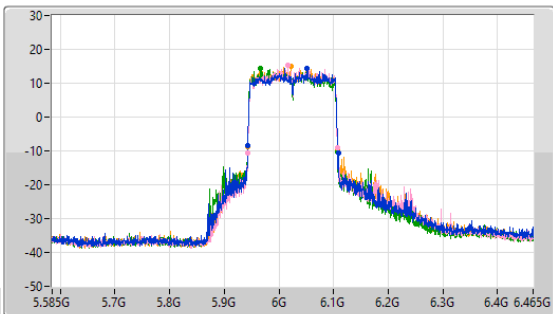
5.925-6.425GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

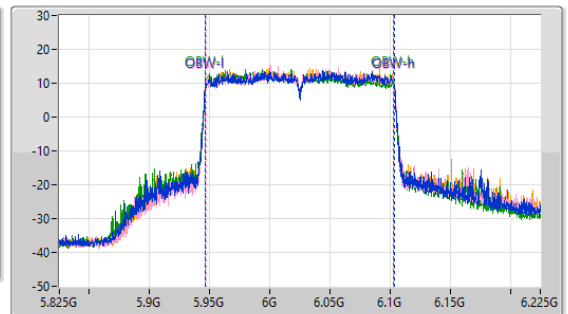
6025MHz

09/05/2023

CF: 6.025GHz
 Span: 880MHz
 RBW: 2MHz
 VBW: 10MHz
 Sweep Time: 50ms
 Detector Type: Peak



CF: 6.025GHz
 Span: 400MHz
 RBW: 2MHz
 VBW: 10MHz
 Sweep Time: 50ms
 Detector Type: Peak



Port 1: [Blue line]
 Port 2: [Pink line]
 Port 3: [Green line]
 Port 4: [Orange line]

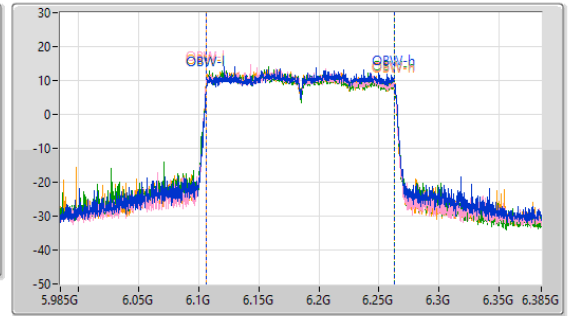
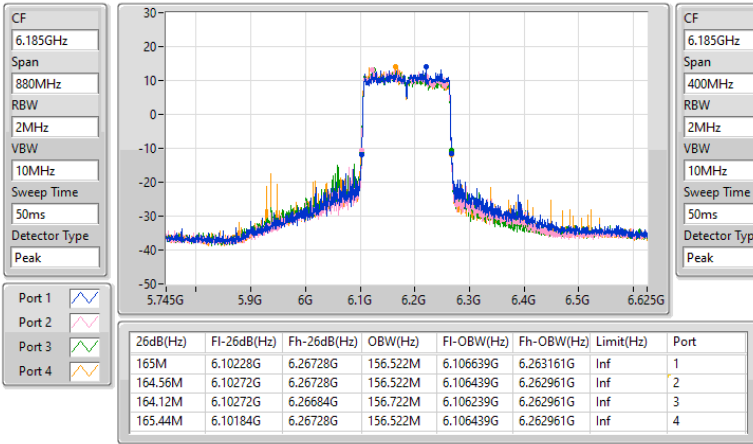
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.44M	5.94316G	6.1086G	156.722M	5.946639G	6.103361G	Inf	1
164.12M	5.94272G	6.10684G	156.322M	5.947039G	6.103361G	Inf	2
165M	5.94228G	6.10728G	156.722M	5.946439G	6.103161G	Inf	3
164.56M	5.94272G	6.10728G	156.522M	5.946639G	6.103161G	Inf	4

5.925-6.425GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

6185MHz

09/05/2023

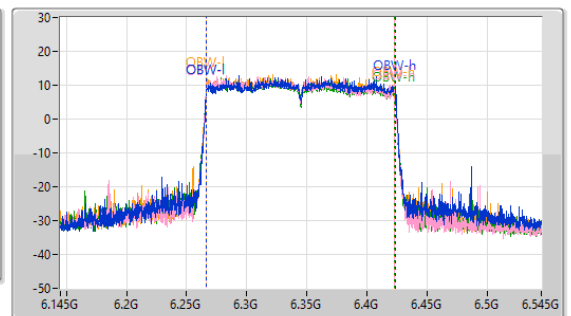
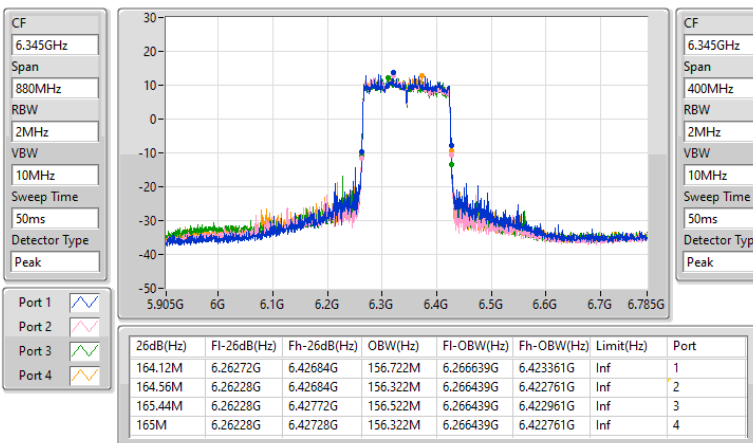


5.925-6.425GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

6345MHz

09/05/2023

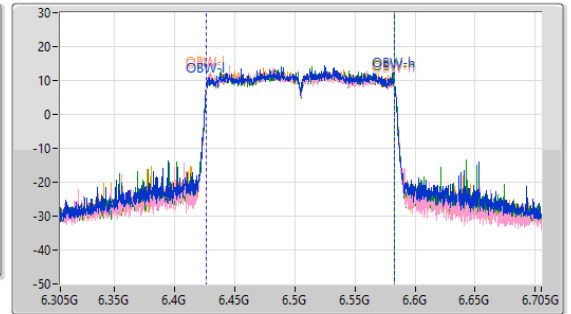
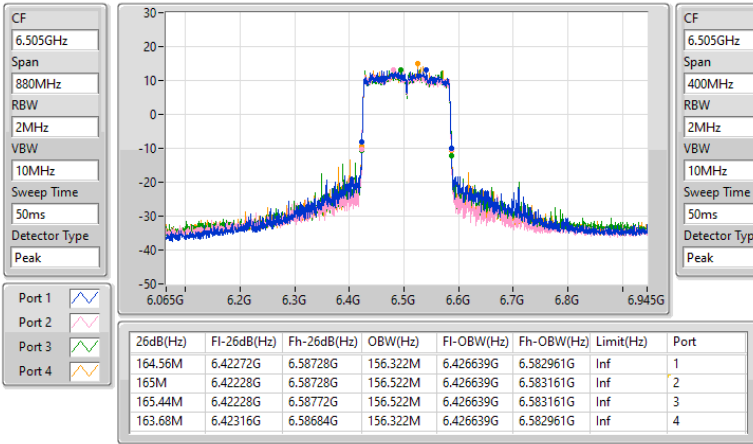


6.425-6.525GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

6505MHz

09/05/2023

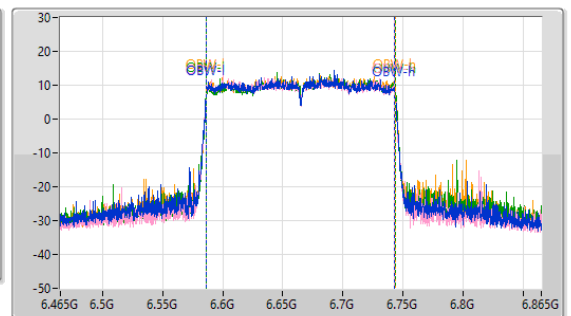
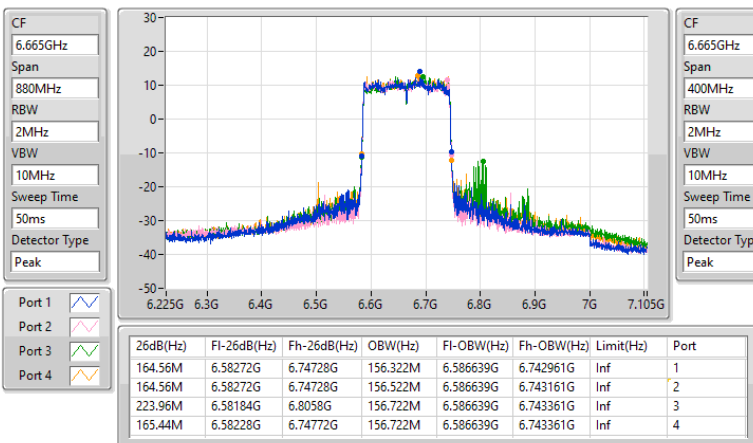


6.525-6.875GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

6665MHz

09/05/2023



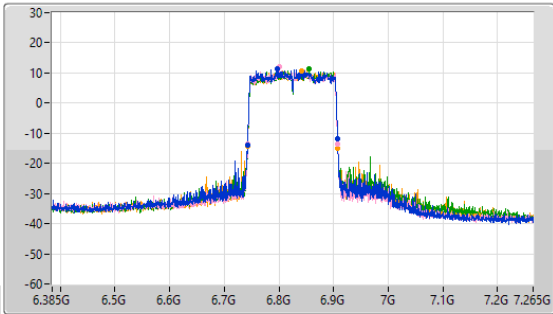
6.525-6.875GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

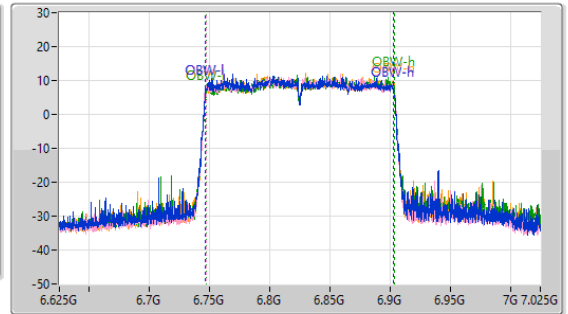
6825MHz

09/05/2023

CF
6.825GHz
Span
880MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.825GHz
Span
400MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165M	6.74272G	6.90772G	156.522M	6.746639G	6.903161G	Inf	1
165.44M	6.74228G	6.90772G	156.322M	6.746839G	6.903161G	Inf	2
165M	6.74272G	6.90772G	156.322M	6.747039G	6.903361G	Inf	3
165.88M	6.74228G	6.90816G	156.522M	6.746839G	6.903361G	Inf	4

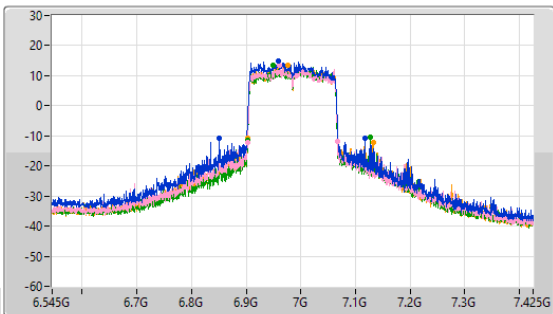
6.875-7.125GHz_802.11ax HEW160-BF_Nss2,(MCS0)_4TX

EBW

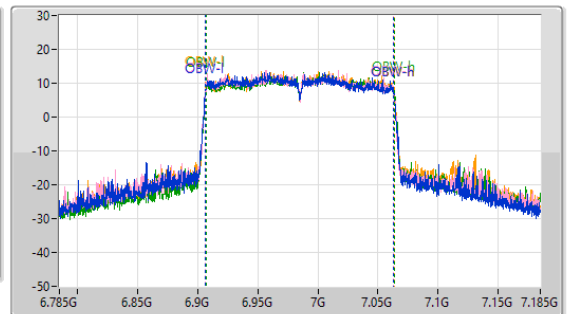
6985MHz

09/05/2023

CF
6.985GHz
Span
880MHz
RBW
3MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



CF
6.985GHz
Span
400MHz
RBW
2MHz
VBW
10MHz
Sweep Time
50ms
Detector Type
Peak



Port 1
Port 2
Port 3
Port 4

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
266.2M	6.8508G	7.117G	156.322M	6.906639G	7.062961G	Inf	1
165.44M	6.90184G	7.06728G	156.322M	6.906639G	7.062961G	Inf	2
224.84M	6.90316G	7.128G	156.522M	6.906839G	7.063361G	Inf	3
230.56M	6.90272G	7.13328G	156.722M	6.906639G	7.063361G	Inf	4



Summary

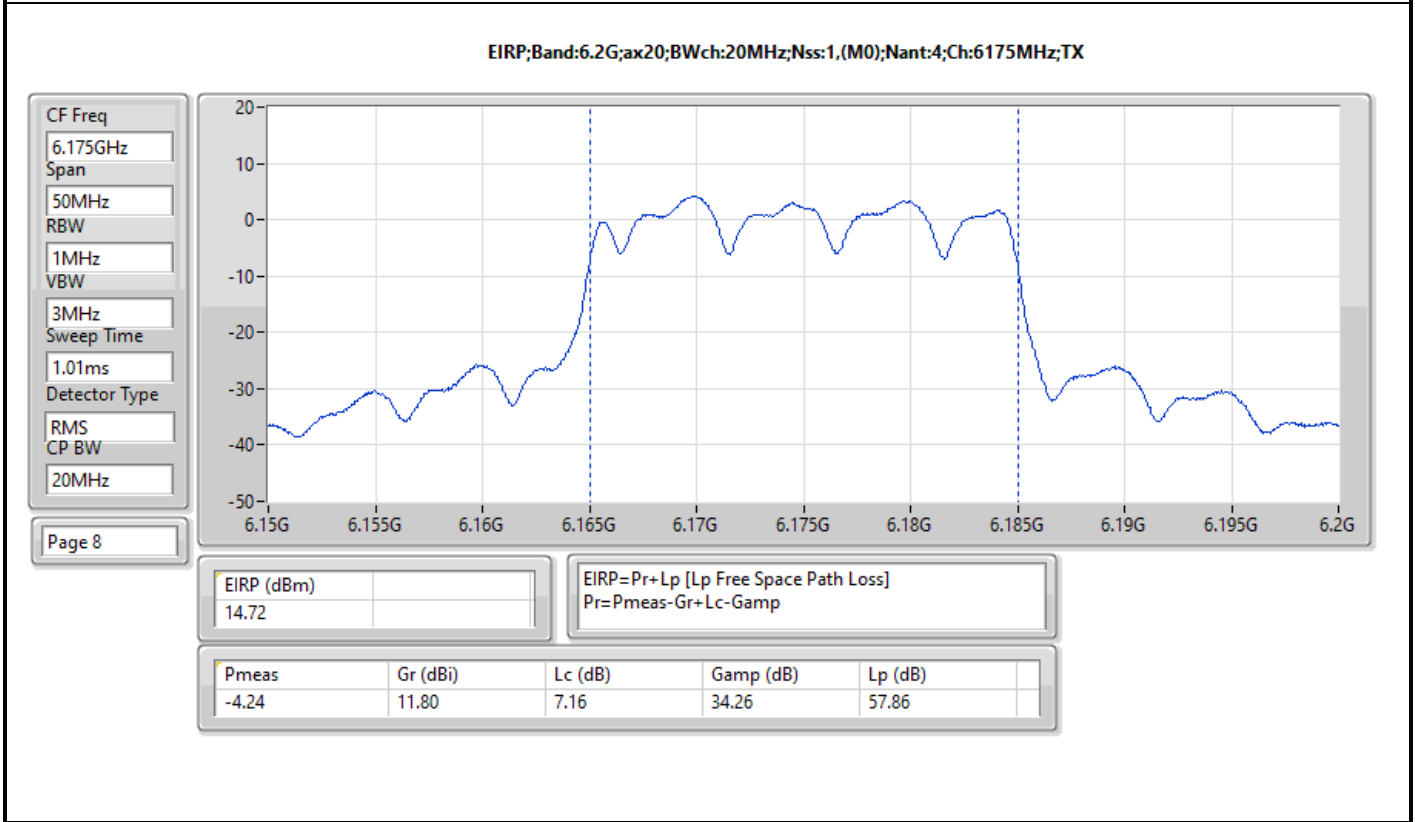
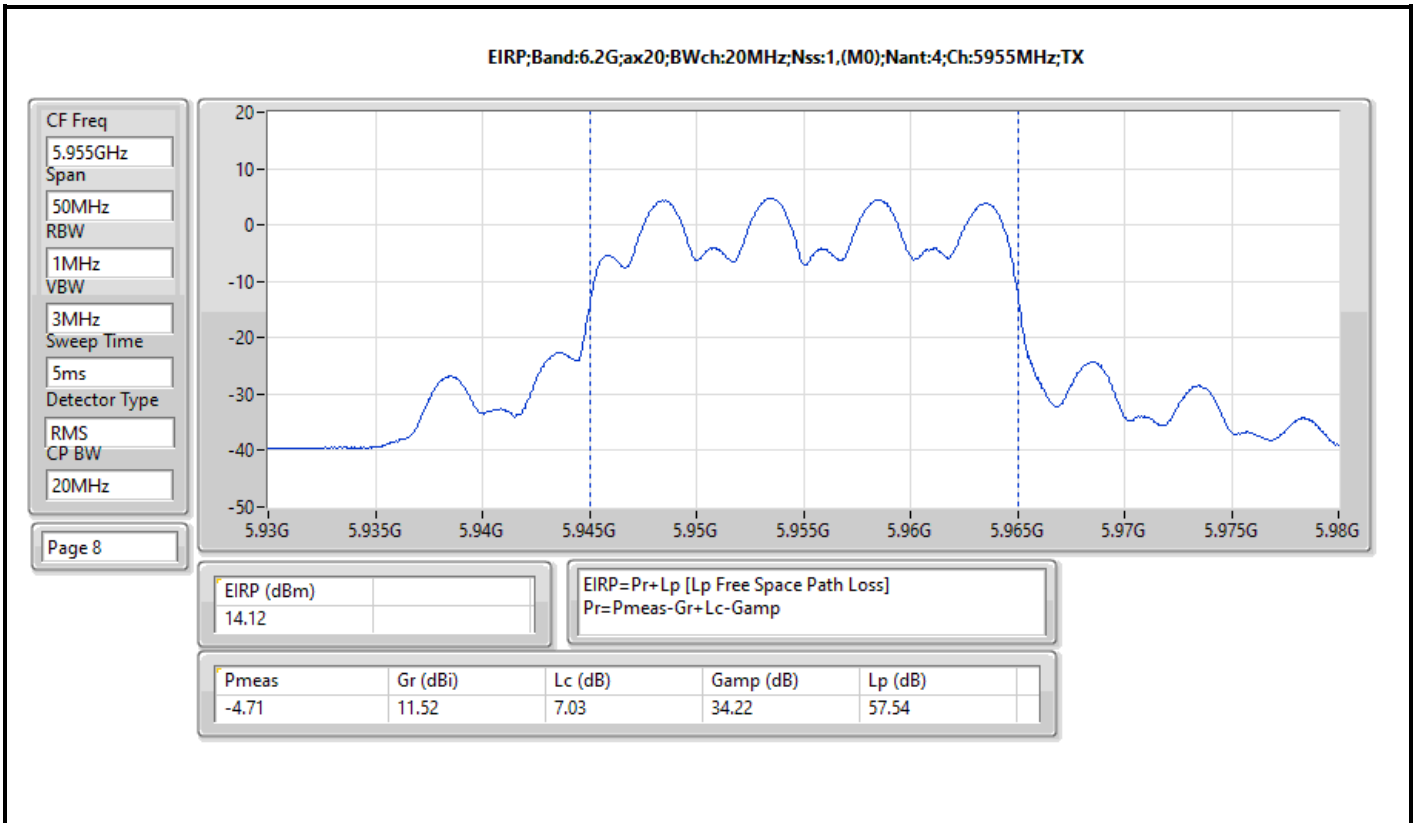
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.84	0.03048
802.11ax HEW40_Nss1,(MCS0)_4TX	17.66	0.05834
802.11ax HEW80_Nss1,(MCS0)_4TX	21.14	0.13002
802.11ax HEW160_Nss1,(MCS0)_4TX	23.89	0.24491
6.425-6.525GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	17.03	0.05047
802.11ax HEW40_Nss1,(MCS0)_4TX	17.88	0.06138
802.11ax HEW80_Nss1,(MCS0)_4TX	21.28	0.13428
802.11ax HEW160_Nss1,(MCS0)_4TX	24.16	0.26062
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	16.29	0.04256
802.11ax HEW40_Nss1,(MCS0)_4TX	18.62	0.07278
802.11ax HEW80_Nss1,(MCS0)_4TX	21.42	0.13868
802.11ax HEW160_Nss1,(MCS0)_4TX	24.00	0.25119
6.875-7.125GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.82	0.03819
802.11ax HEW40_Nss1,(MCS0)_4TX	18.78	0.07551
802.11ax HEW80_Nss1,(MCS0)_4TX	21.86	0.15346
802.11ax HEW160_Nss1,(MCS0)_4TX	24.24	0.26546

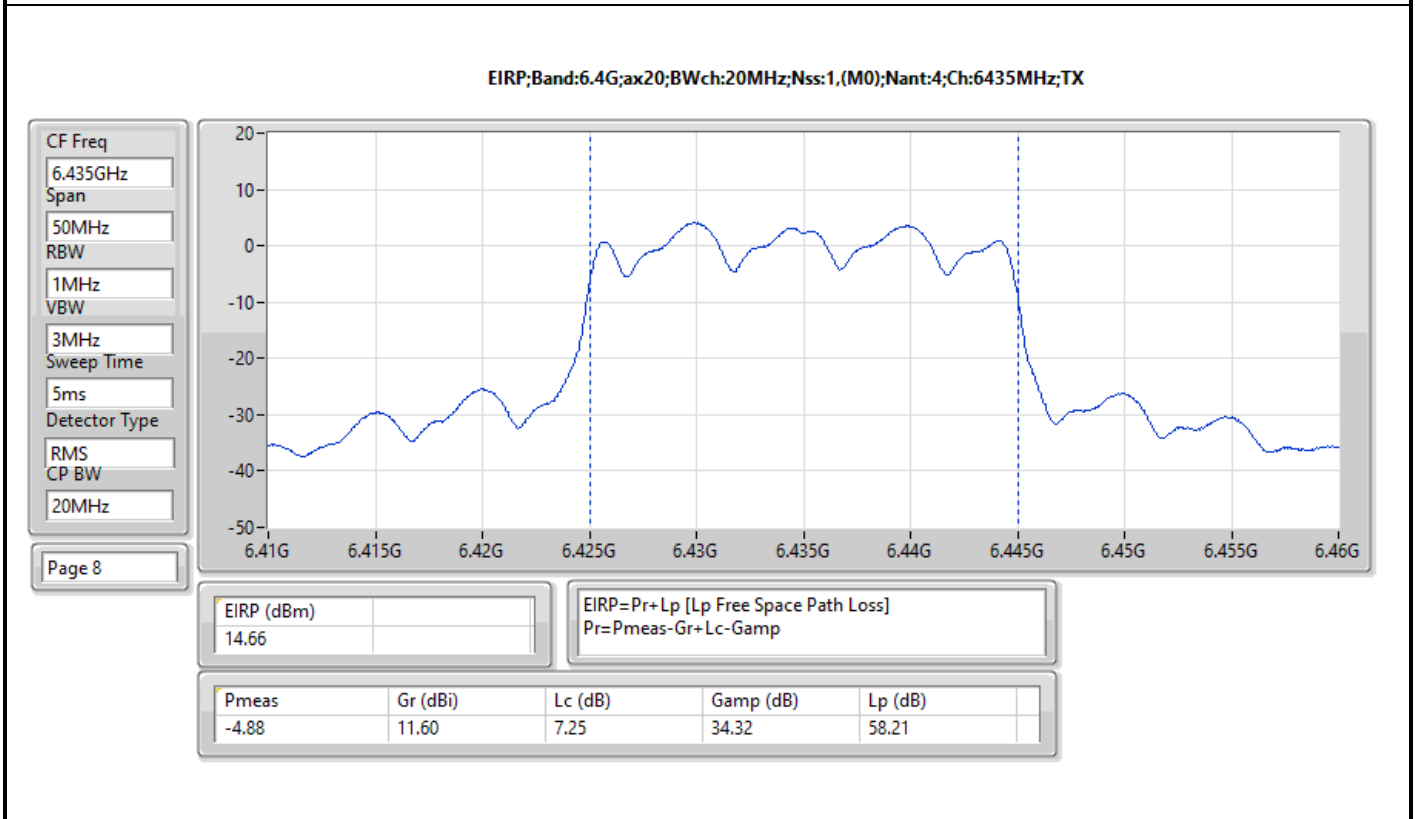
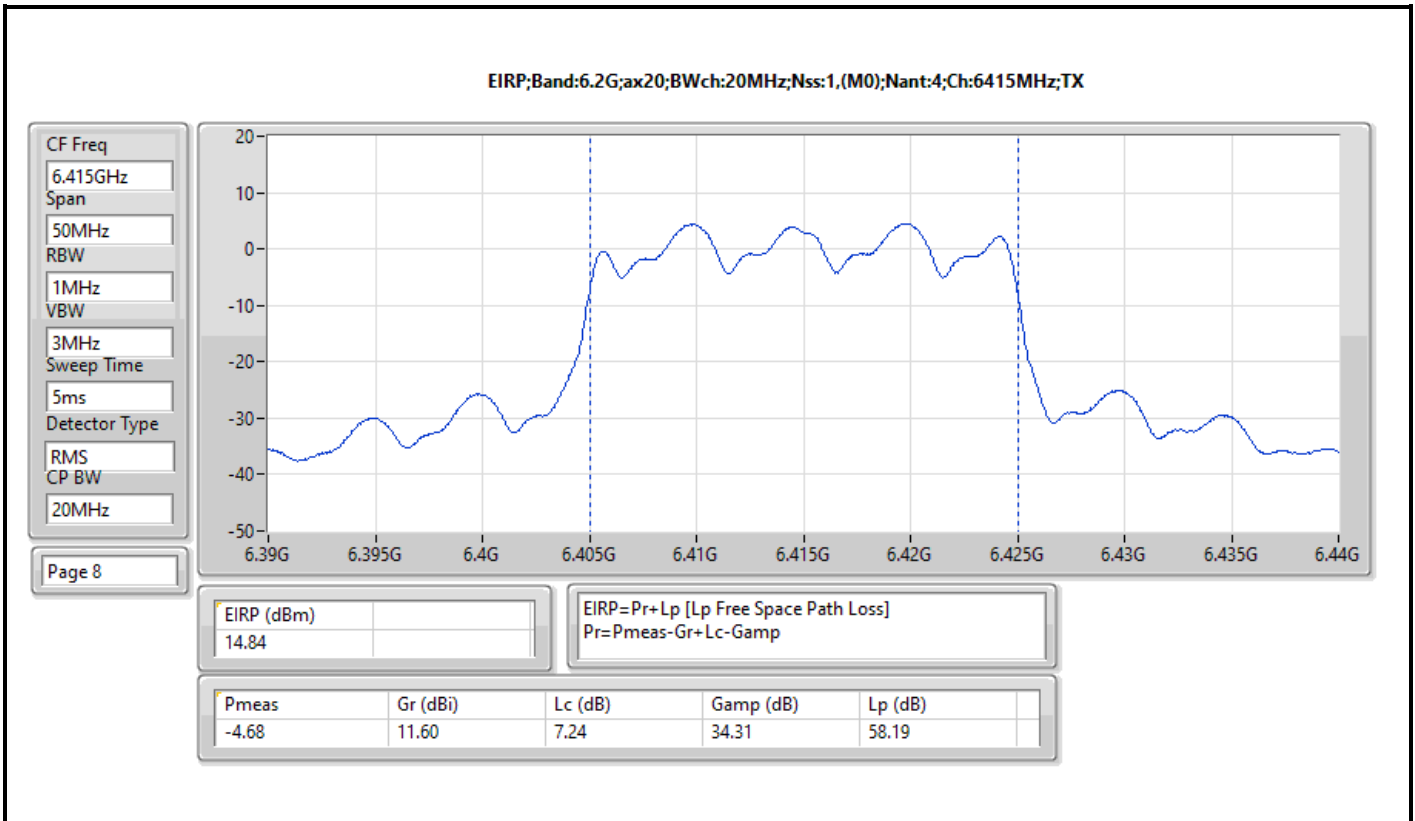


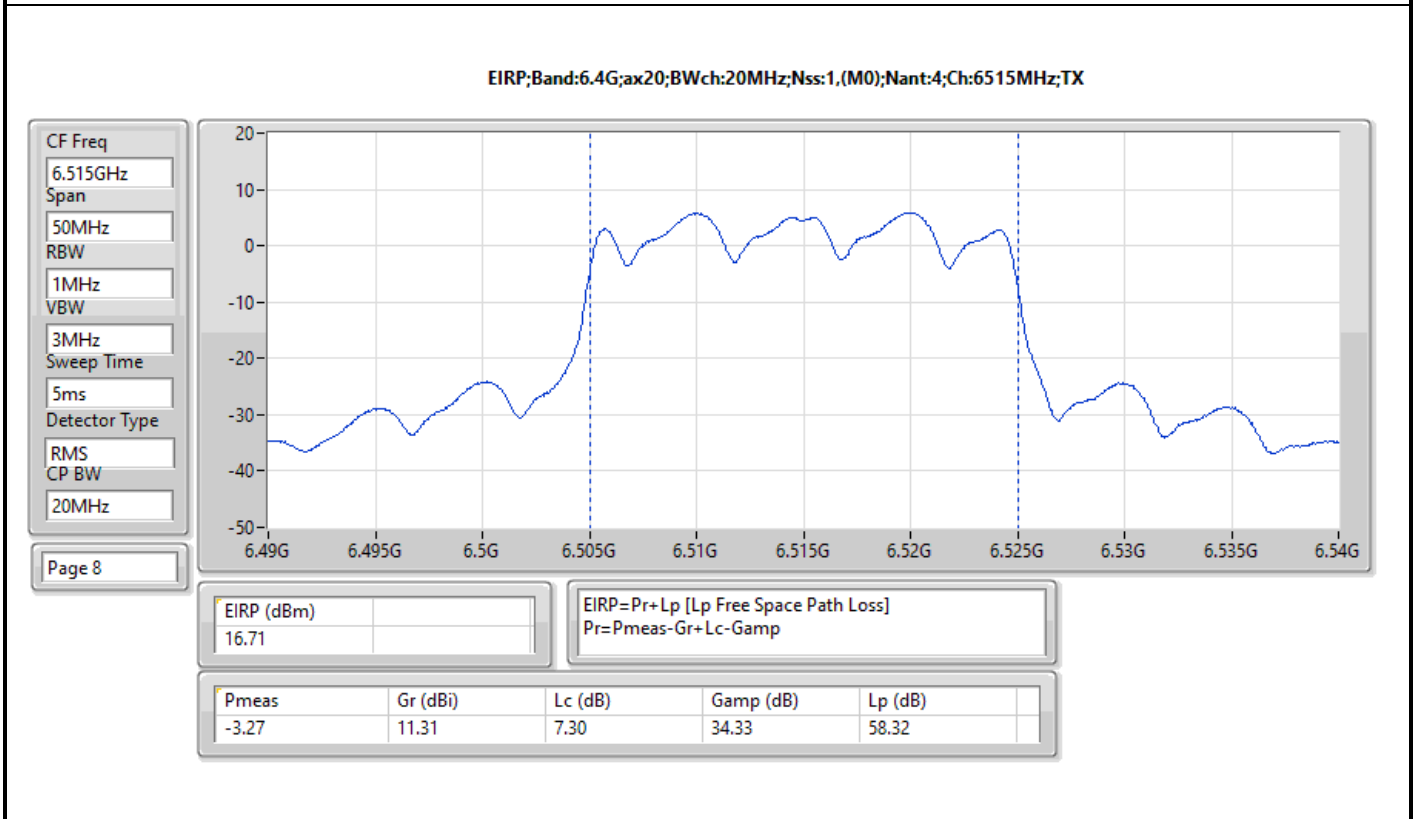
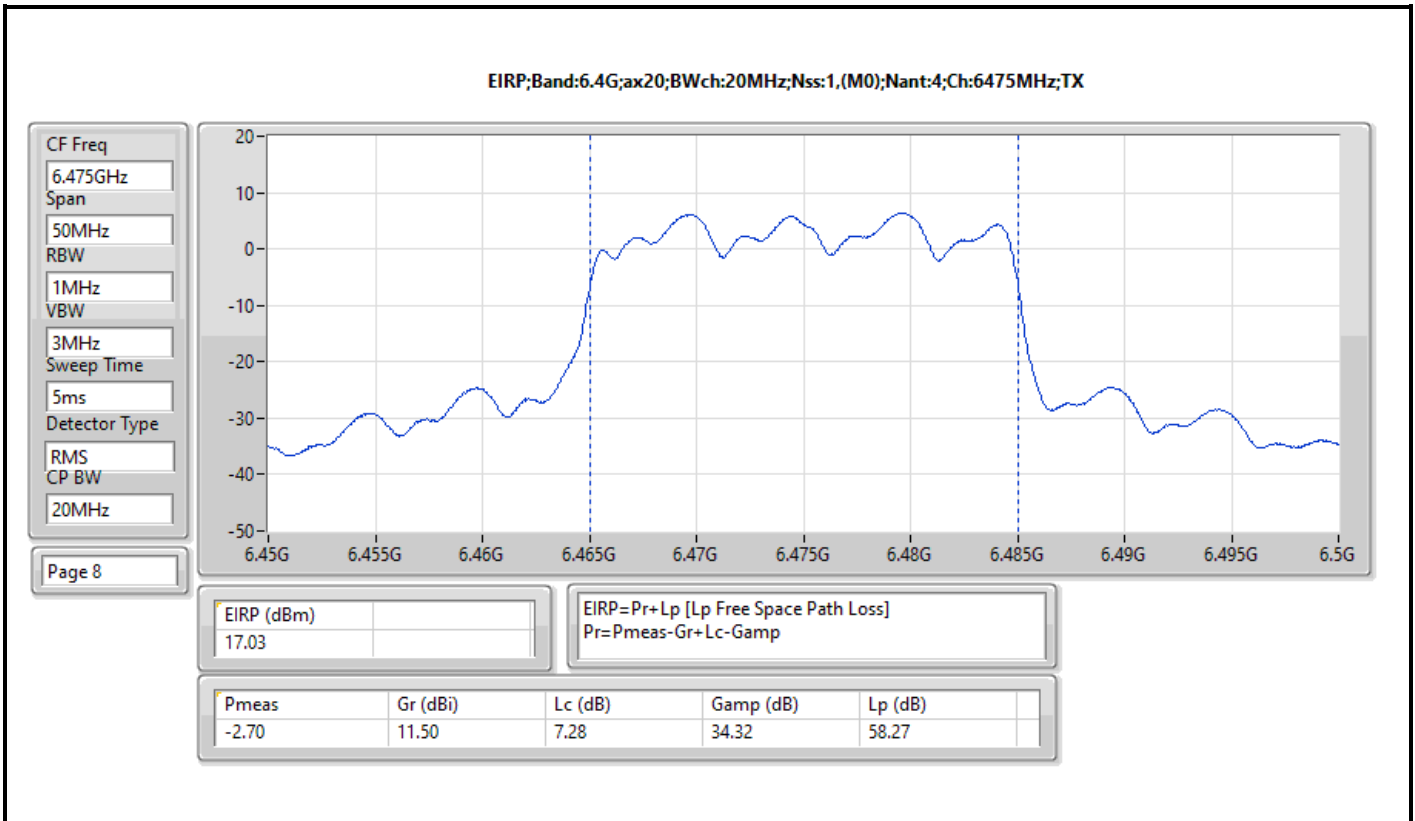
Result

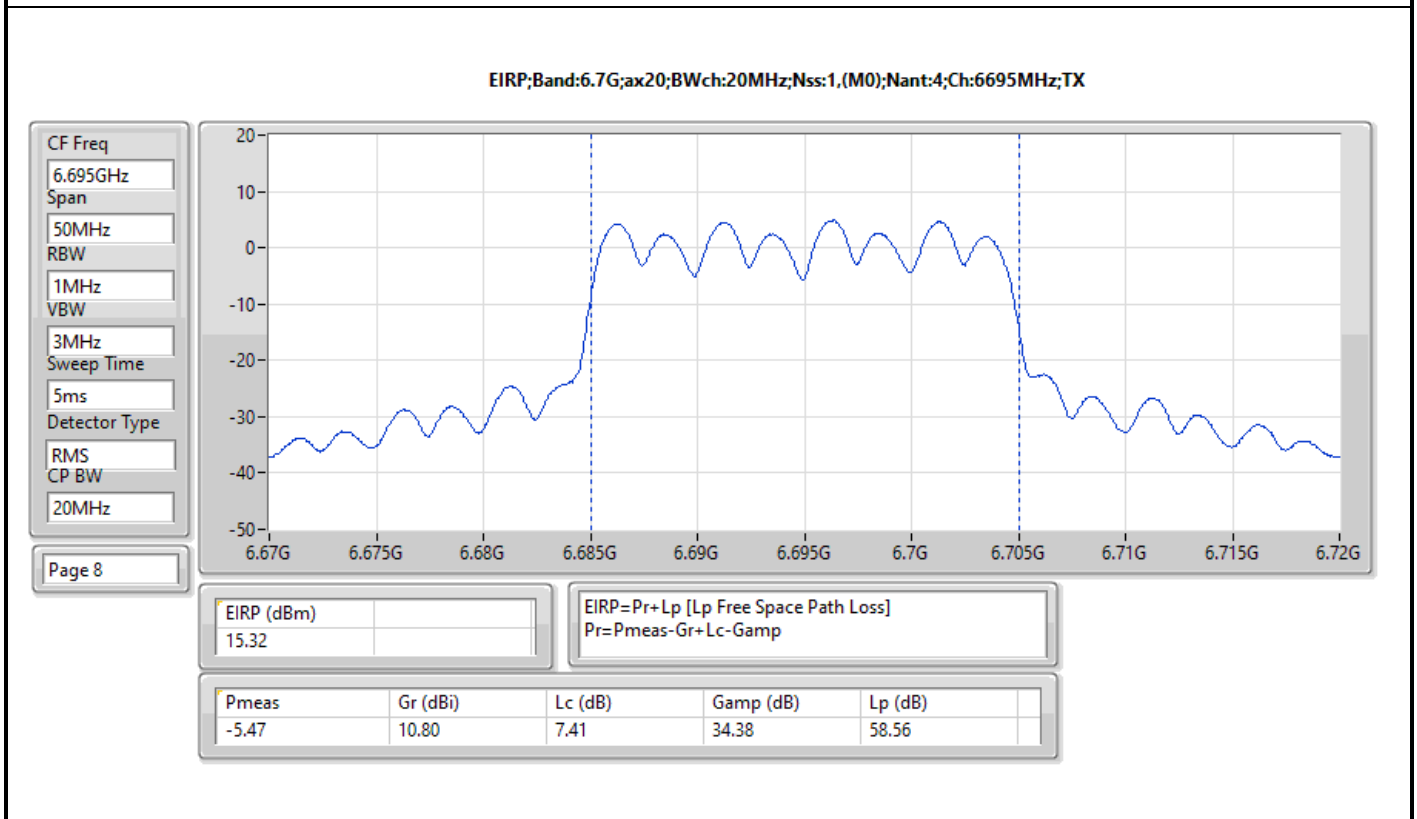
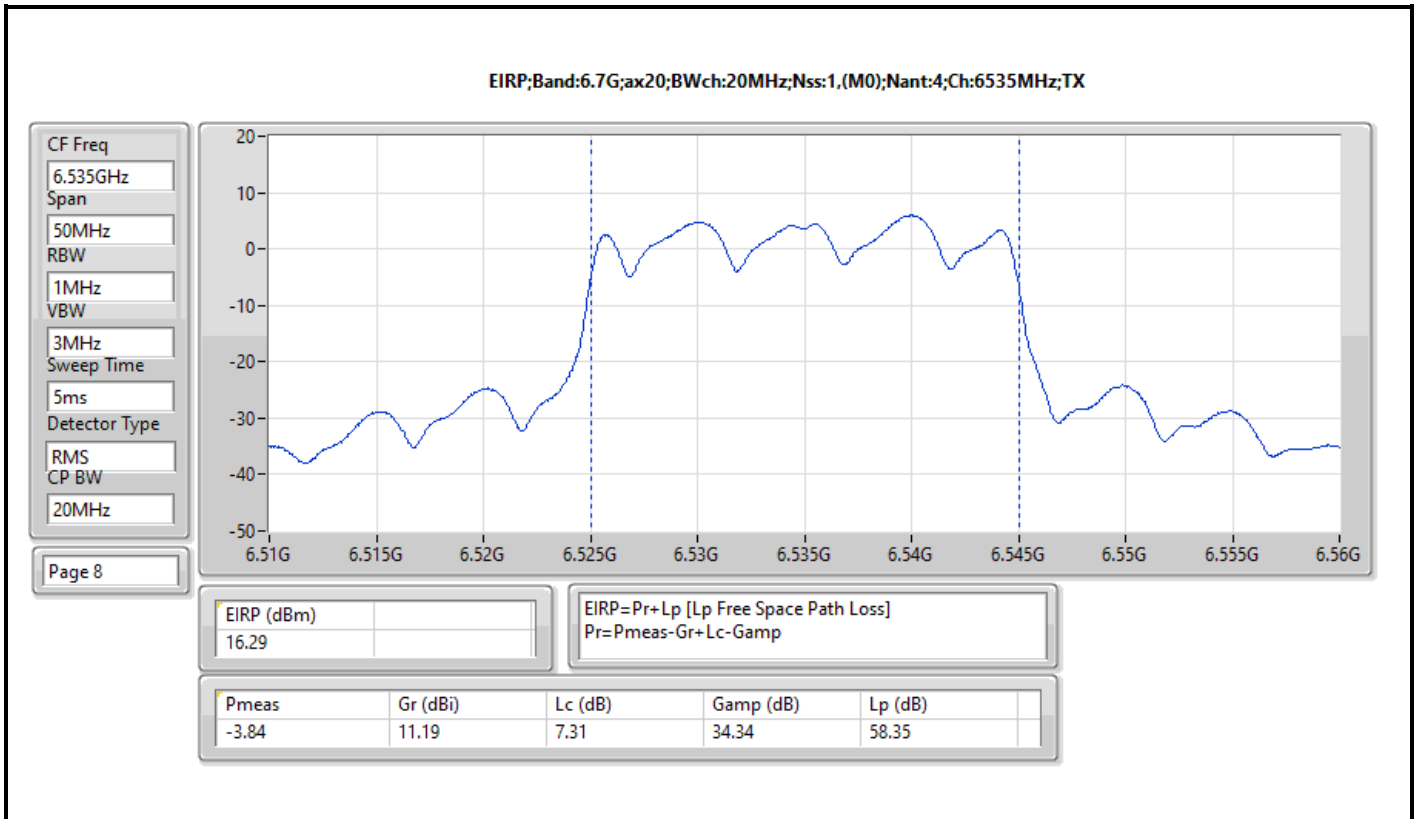
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	14.12	30.00
6175MHz	Pass	14.72	30.00
6415MHz	Pass	14.84	30.00
6435MHz	Pass	14.66	30.00
6475MHz	Pass	17.03	30.00
6515MHz	Pass	16.71	30.00
6535MHz	Pass	16.29	30.00
6695MHz	Pass	15.32	30.00
6855MHz	Pass	15.18	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	15.44	30.00
6895MHz	Pass	15.82	30.00
6995MHz	Pass	15.59	30.00
7095MHz	Pass	15.73	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	16.27	30.00
6165MHz	Pass	17.53	30.00
6405MHz	Pass	17.66	30.00
6445MHz	Pass	17.64	30.00
6485MHz	Pass	17.76	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	17.88	30.00
6565MHz	Pass	17.83	30.00
6685MHz	Pass	17.85	30.00
6845MHz	Pass	18.10	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	18.62	30.00
6925MHz	Pass	18.76	30.00
7005MHz	Pass	18.78	30.00
7085MHz	Pass	18.74	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	20.07	30.00
6145MHz	Pass	21.14	30.00
6385MHz	Pass	20.73	30.00
6465MHz	Pass	20.36	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	21.28	30.00
6625MHz	Pass	20.85	30.00
6705MHz	Pass	20.76	30.00
6785MHz	Pass	20.88	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	21.42	30.00
6945MHz	Pass	21.64	30.00
7025MHz	Pass	21.86	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	22.95	30.00
6185MHz	Pass	23.89	30.00
6345MHz	Pass	23.81	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	24.16	30.00
6665MHz	Pass	24.00	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	23.38	30.00
6985MHz	Pass	24.24	30.00

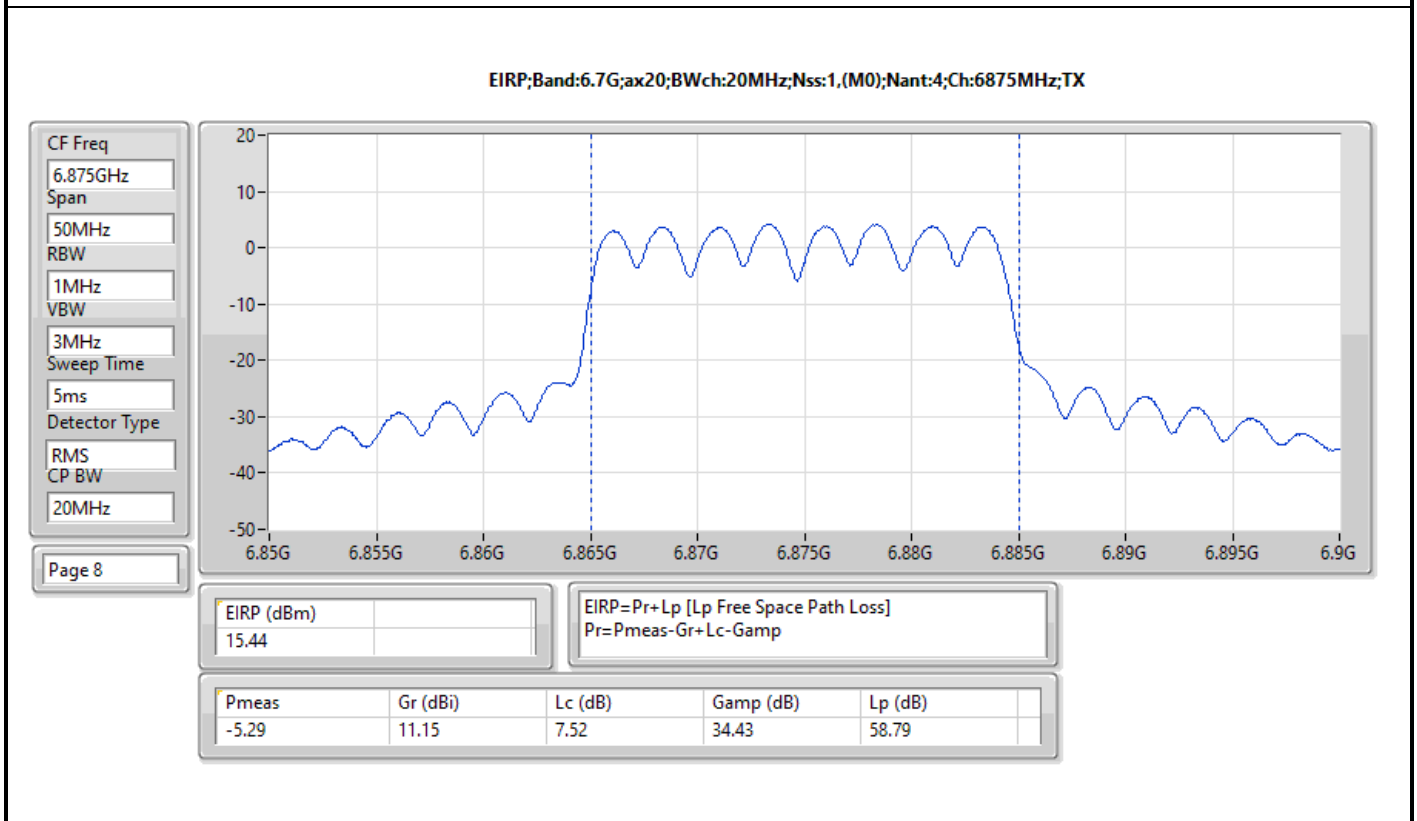
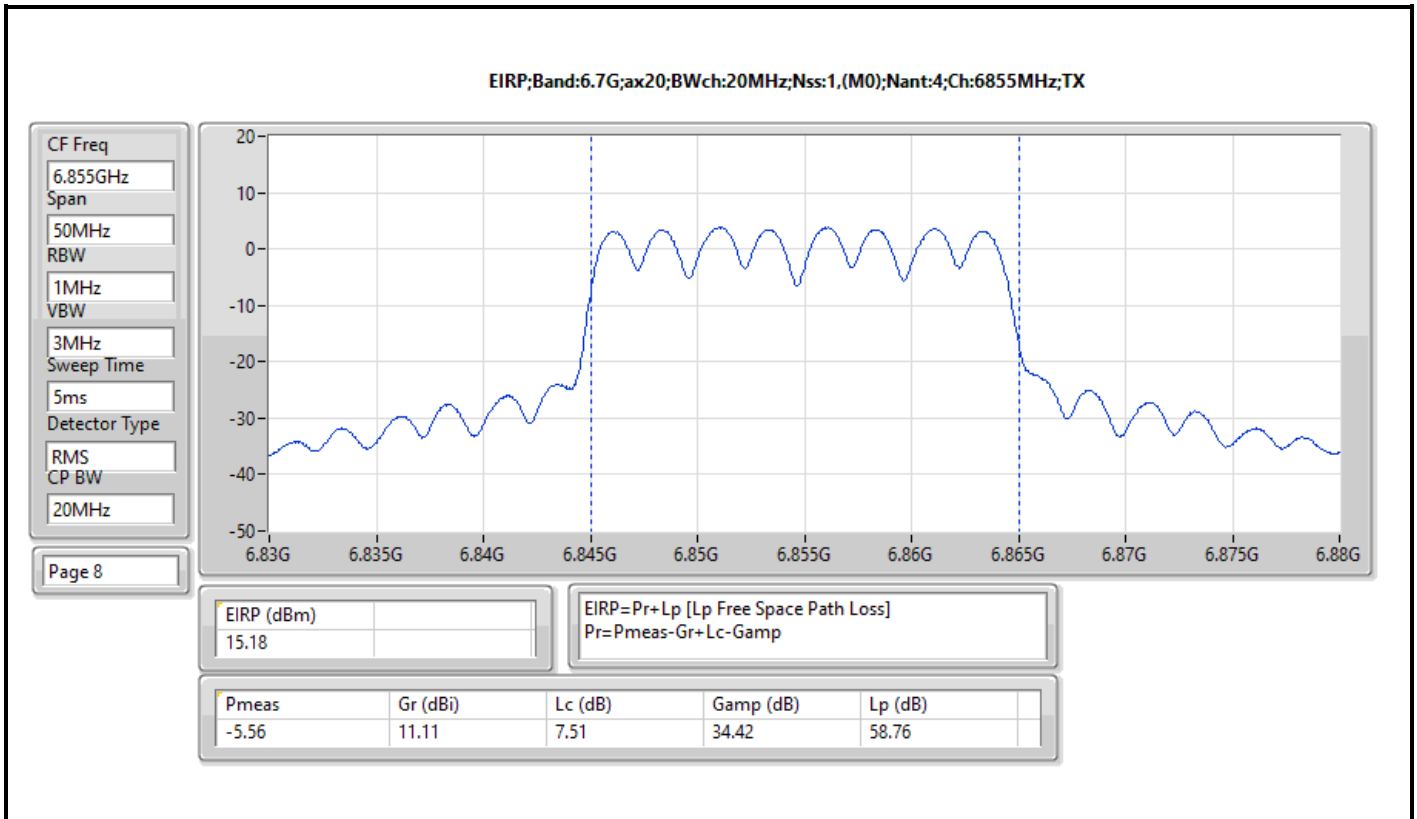
DG = Directional Gain; Port X = Port X output power

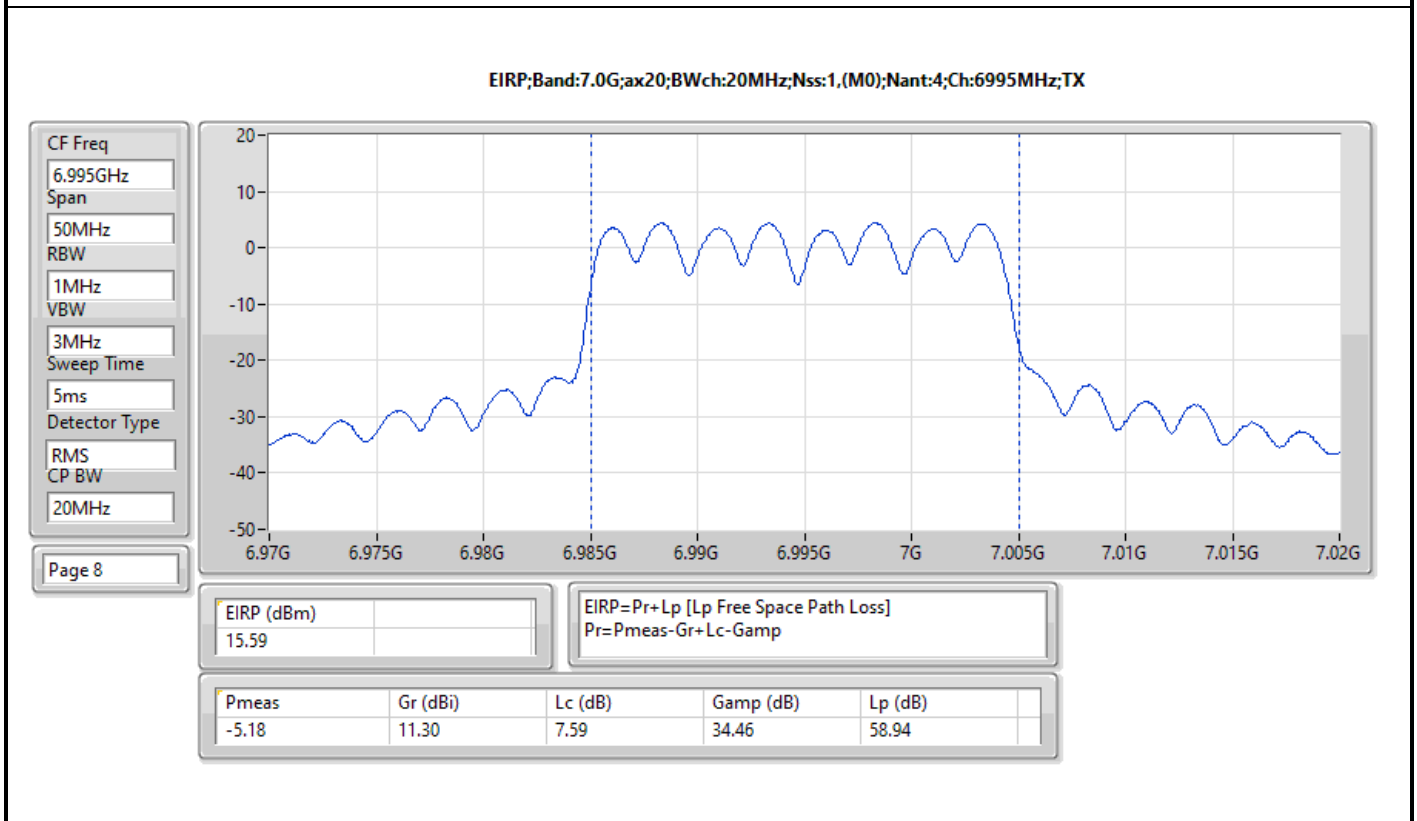
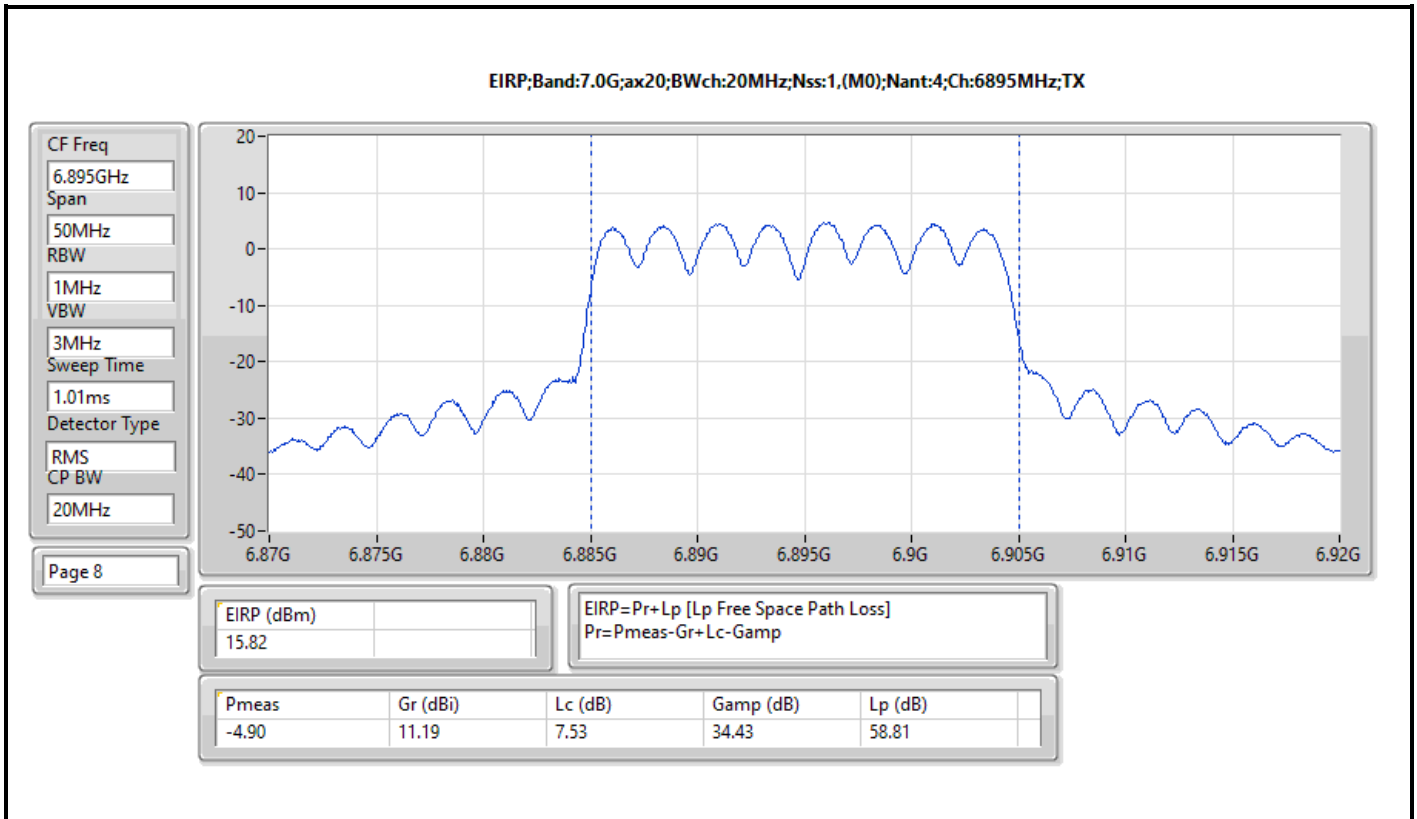


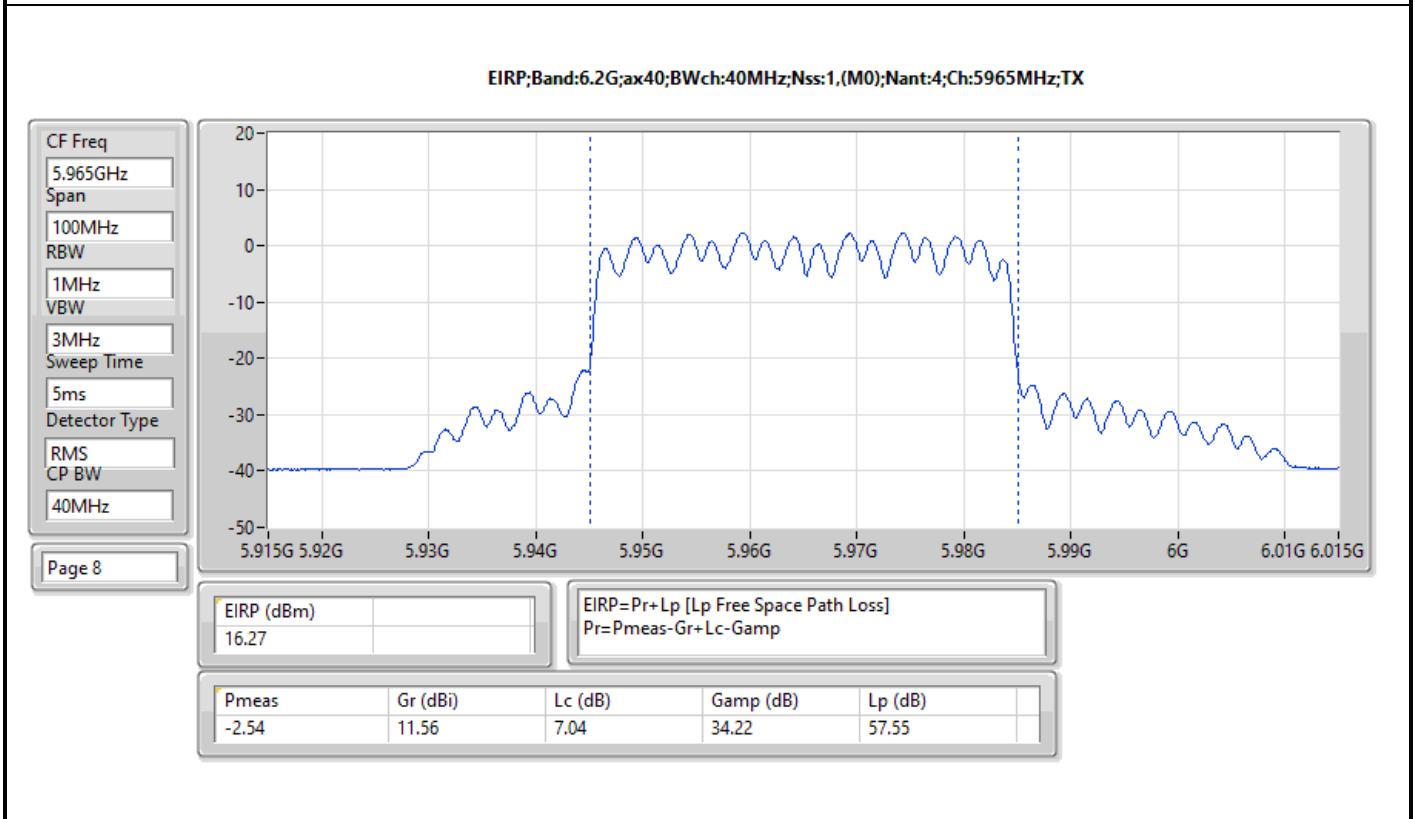
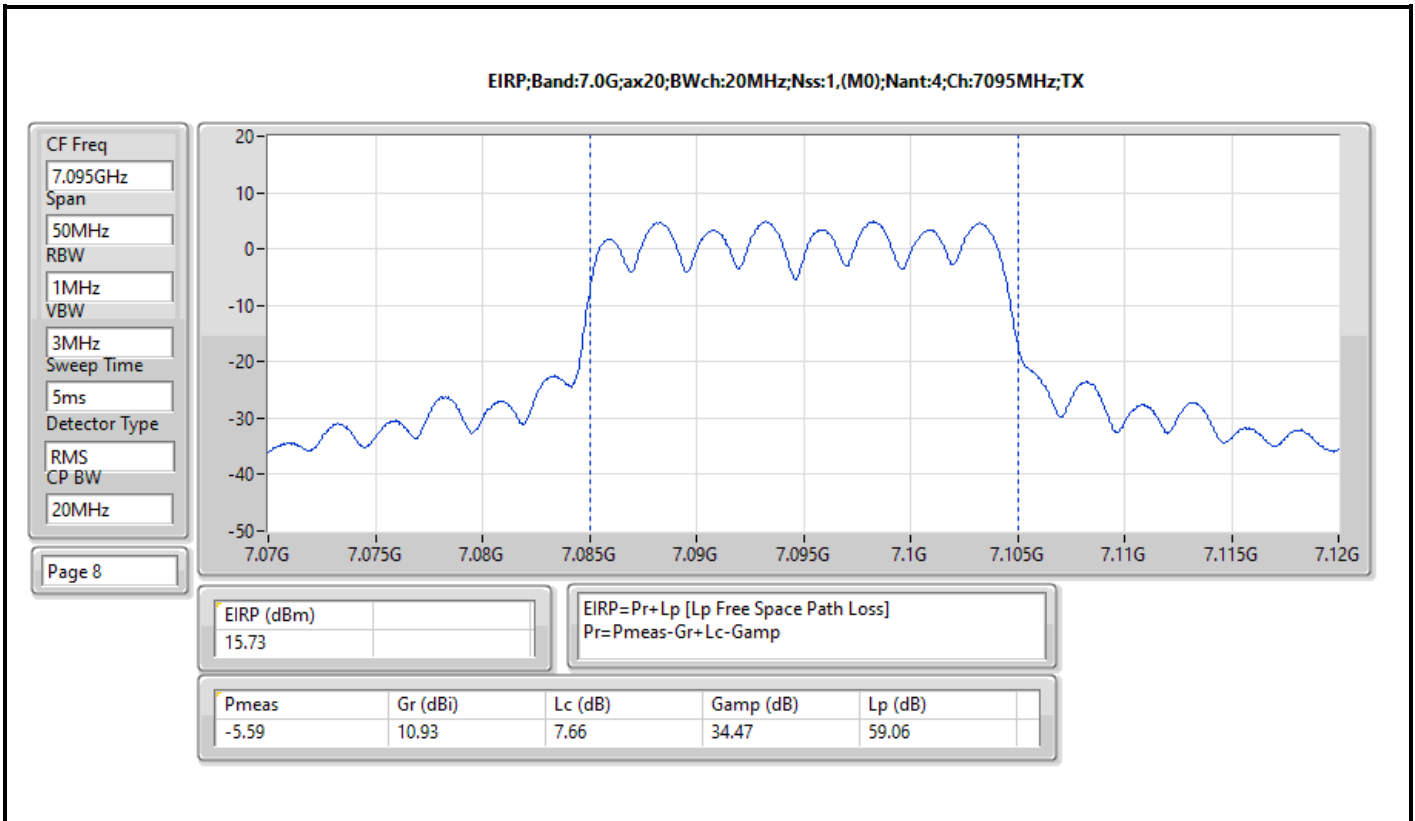


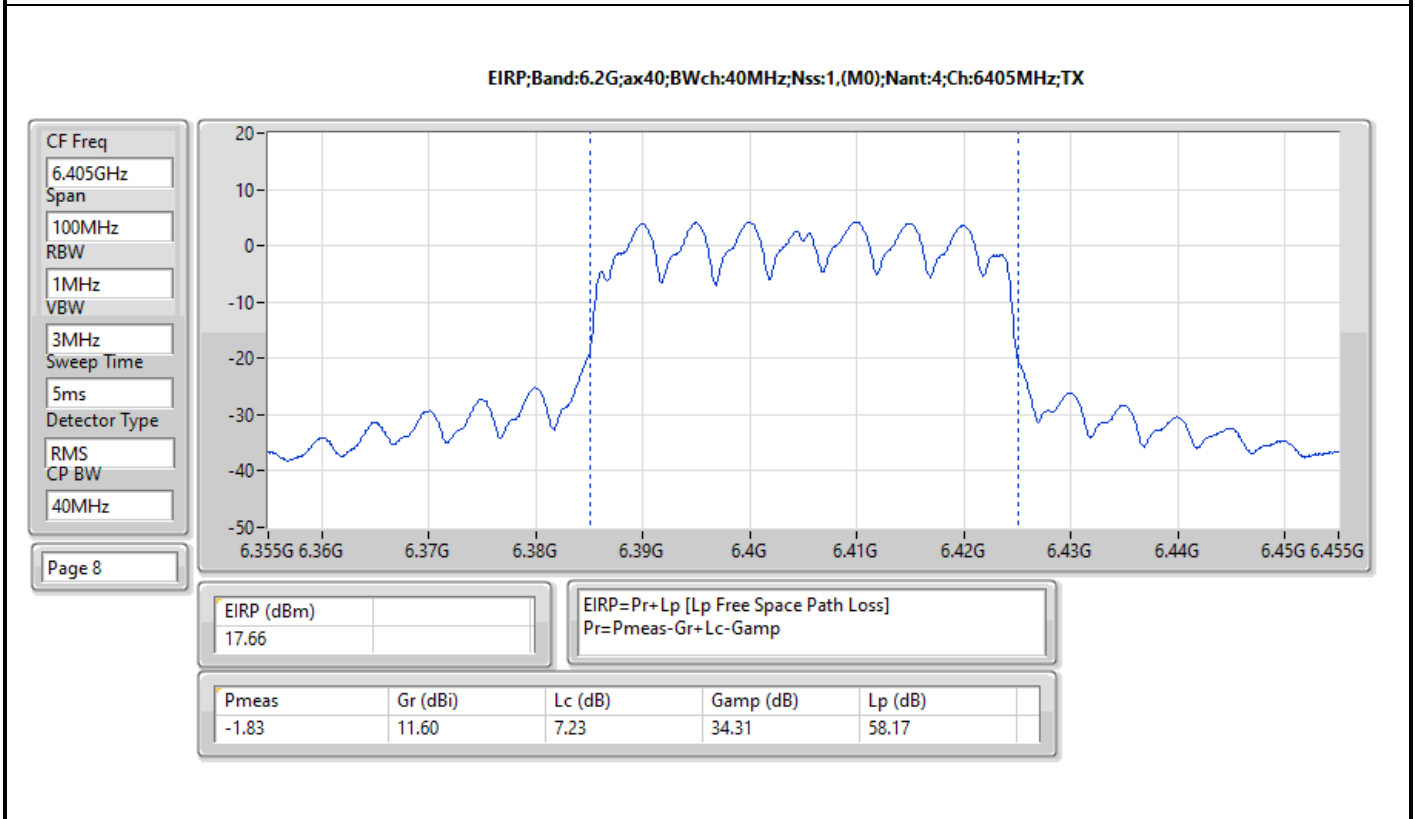
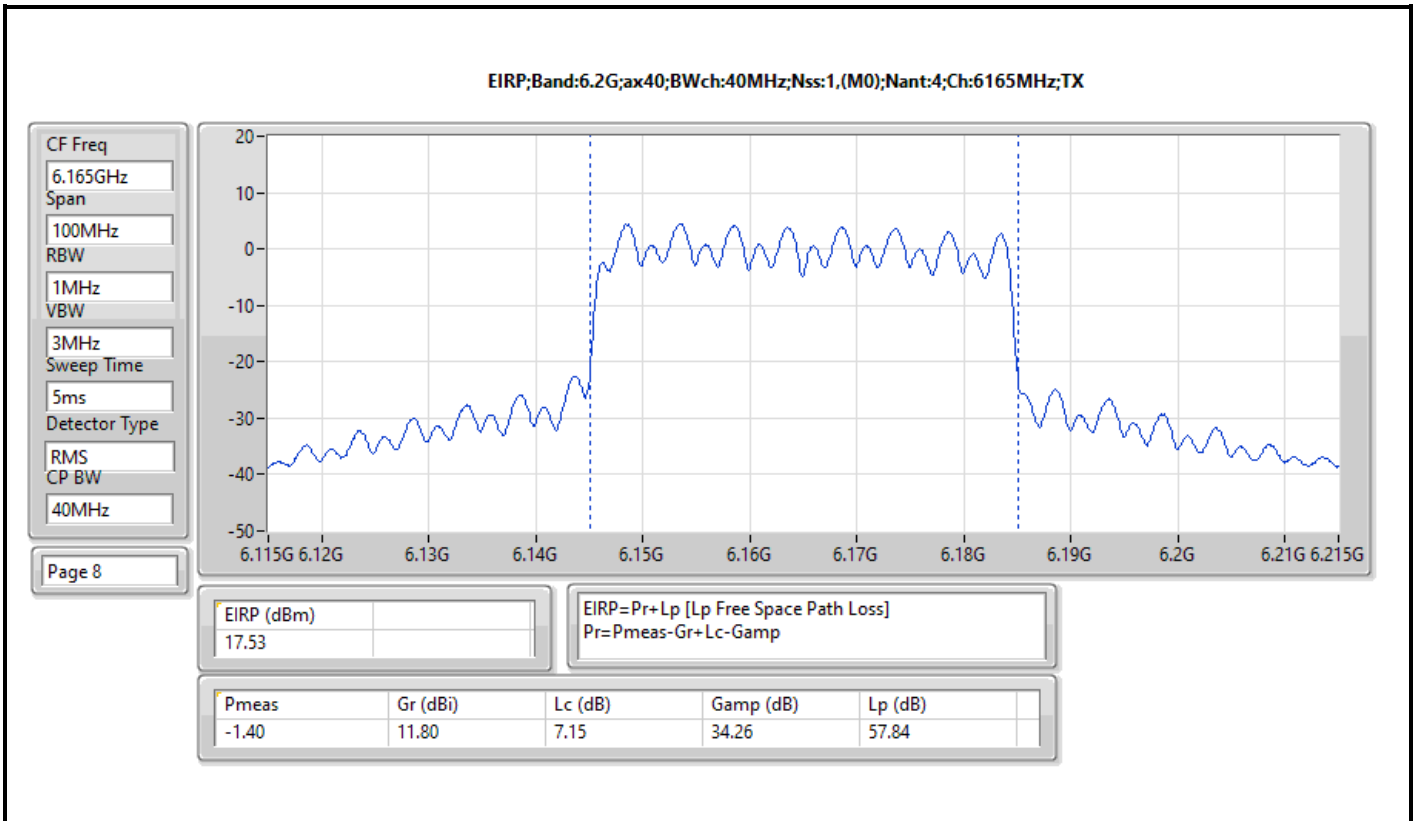


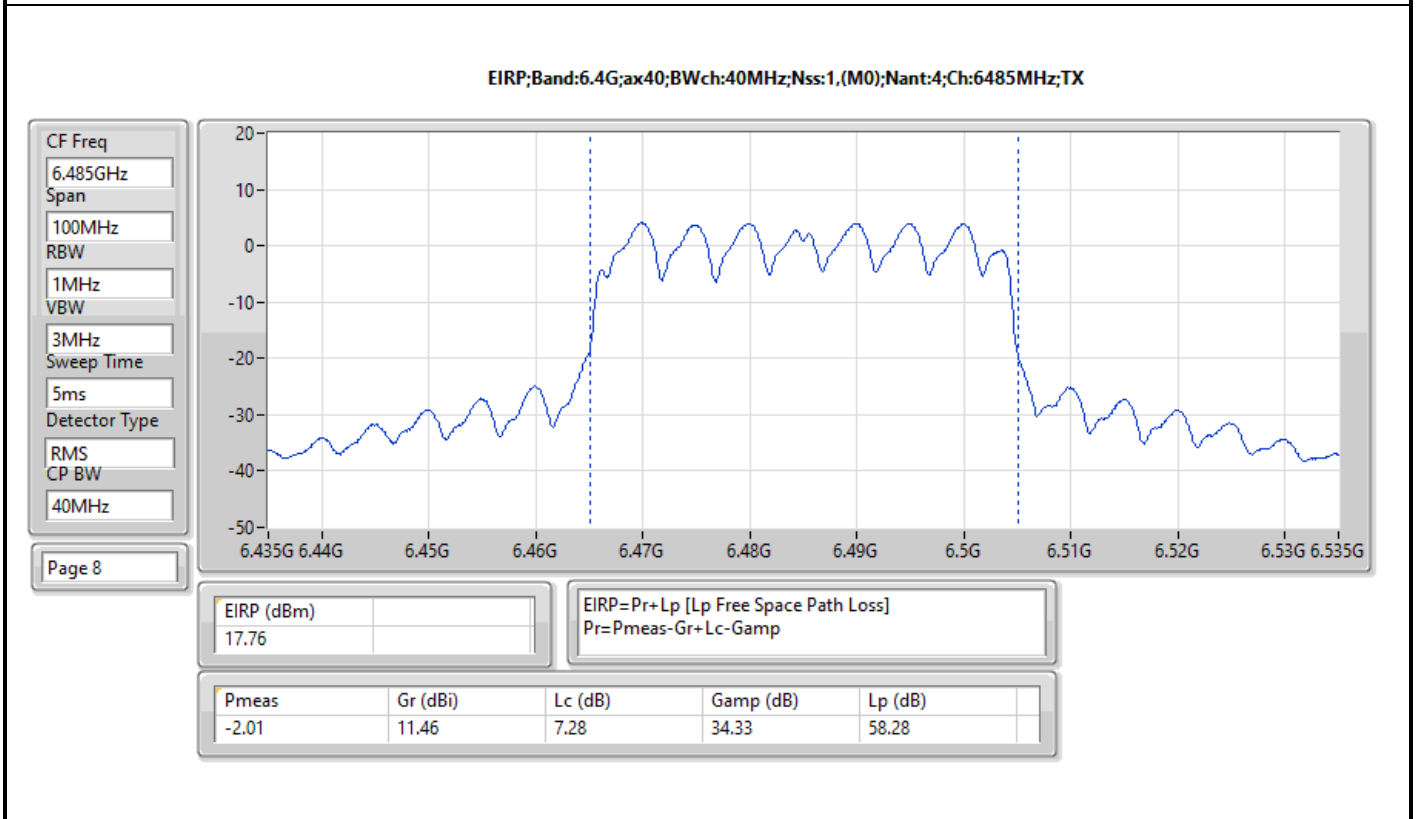
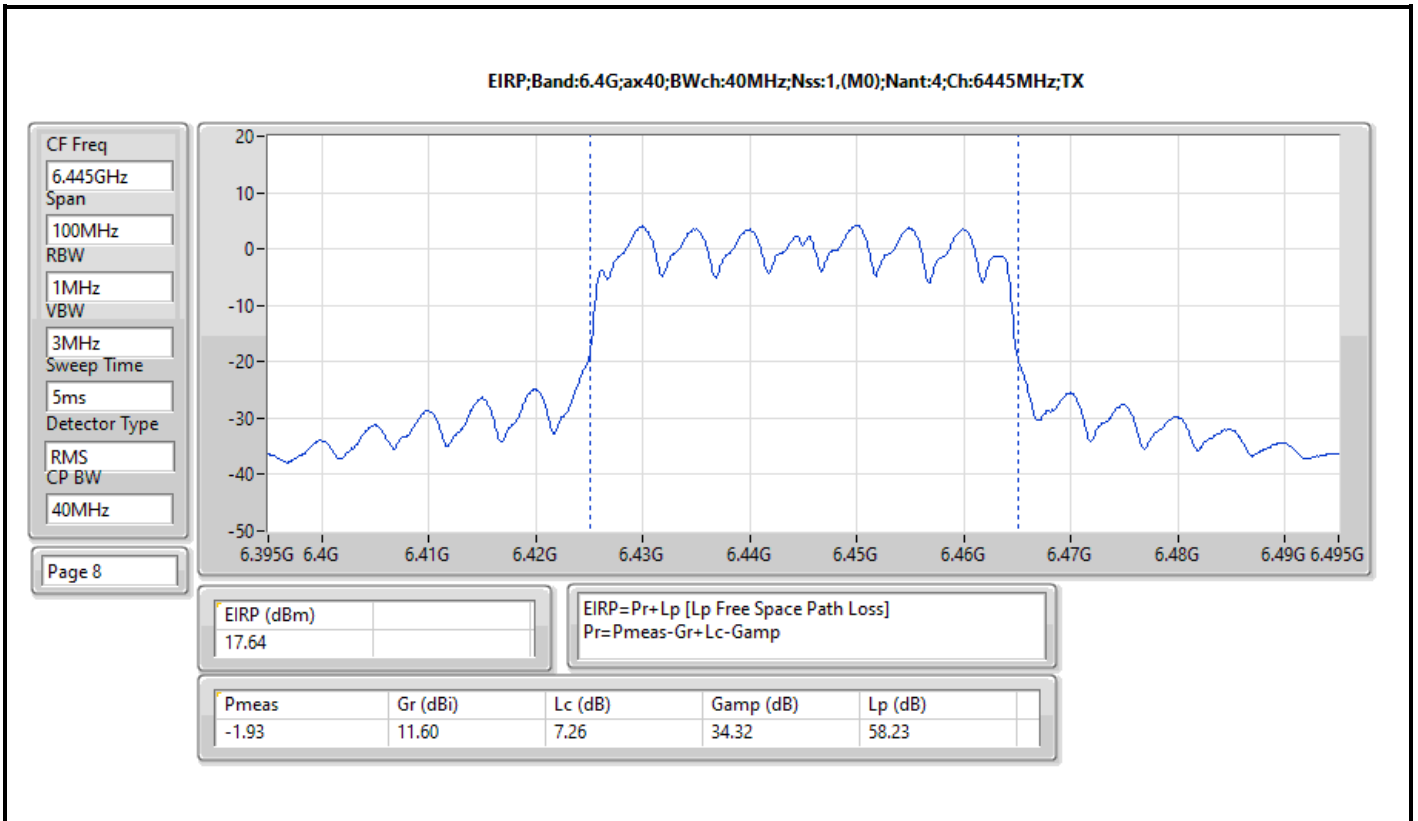


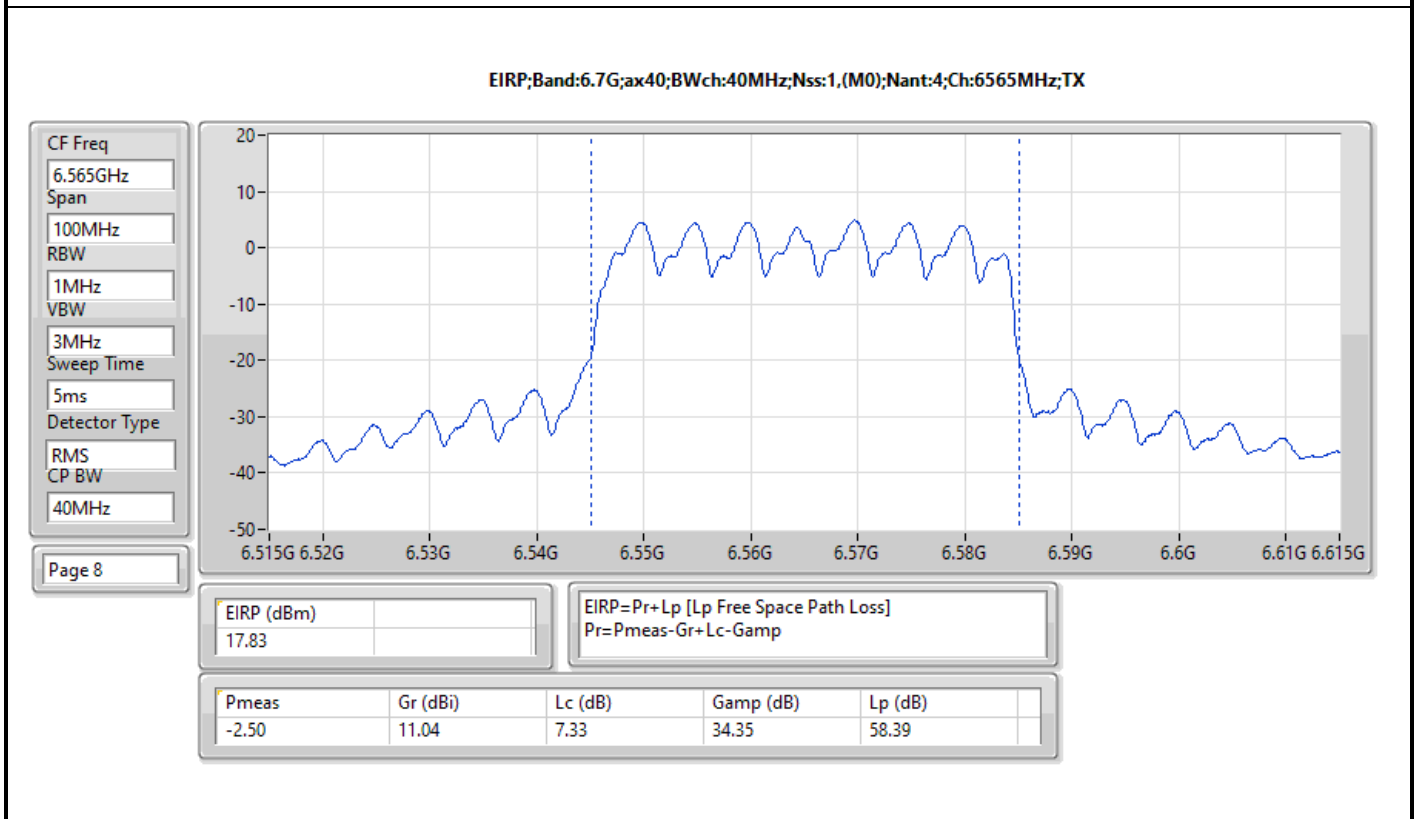
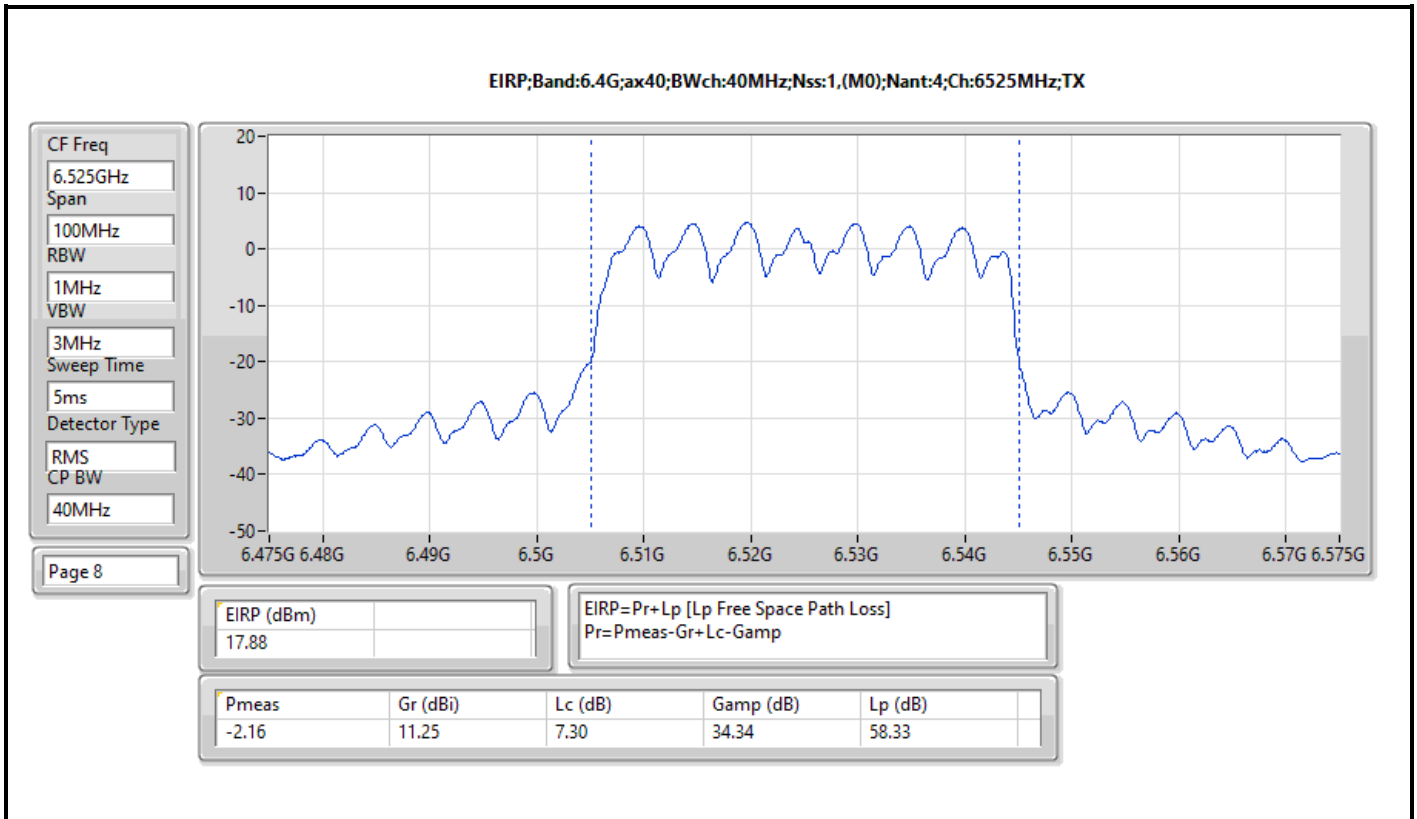


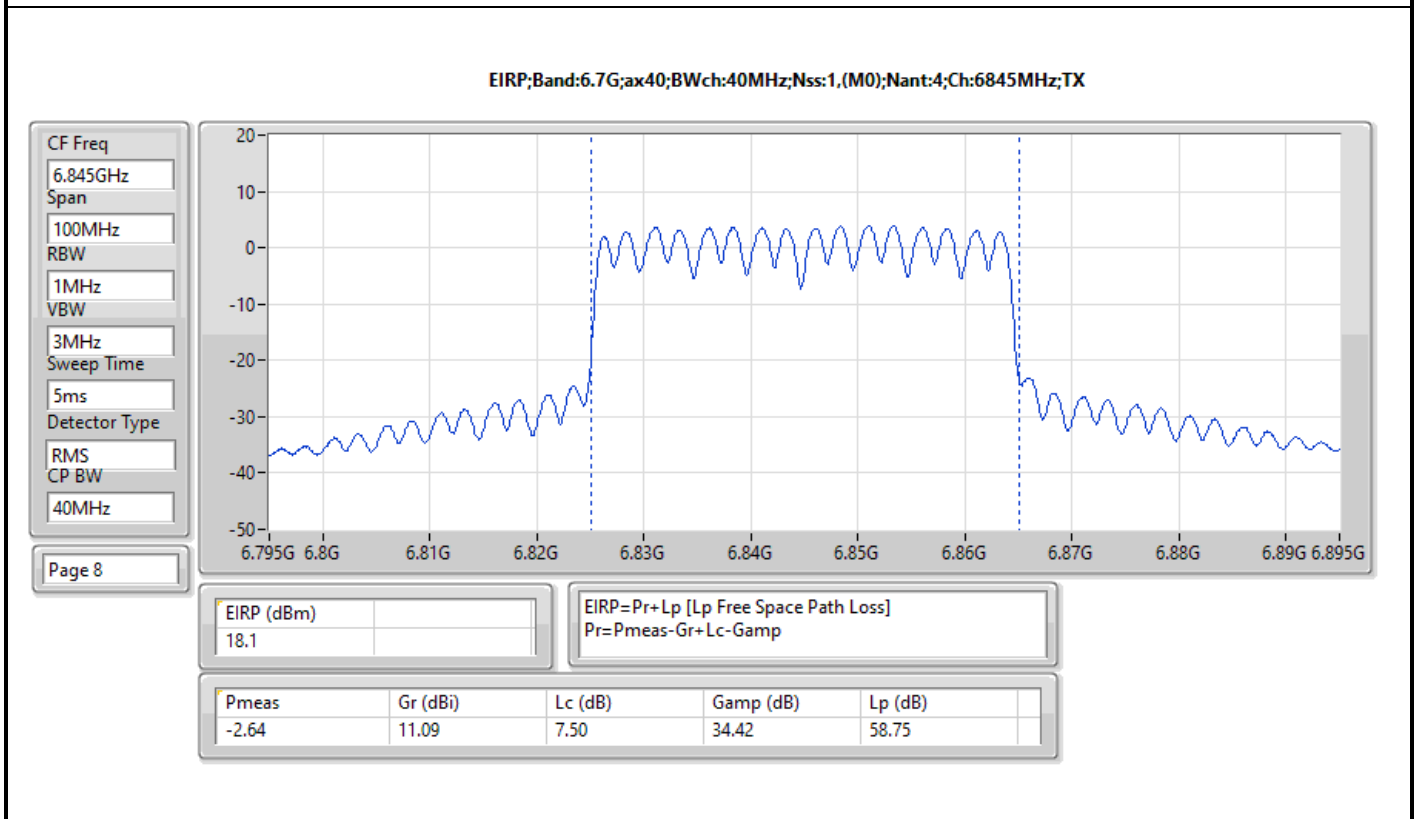
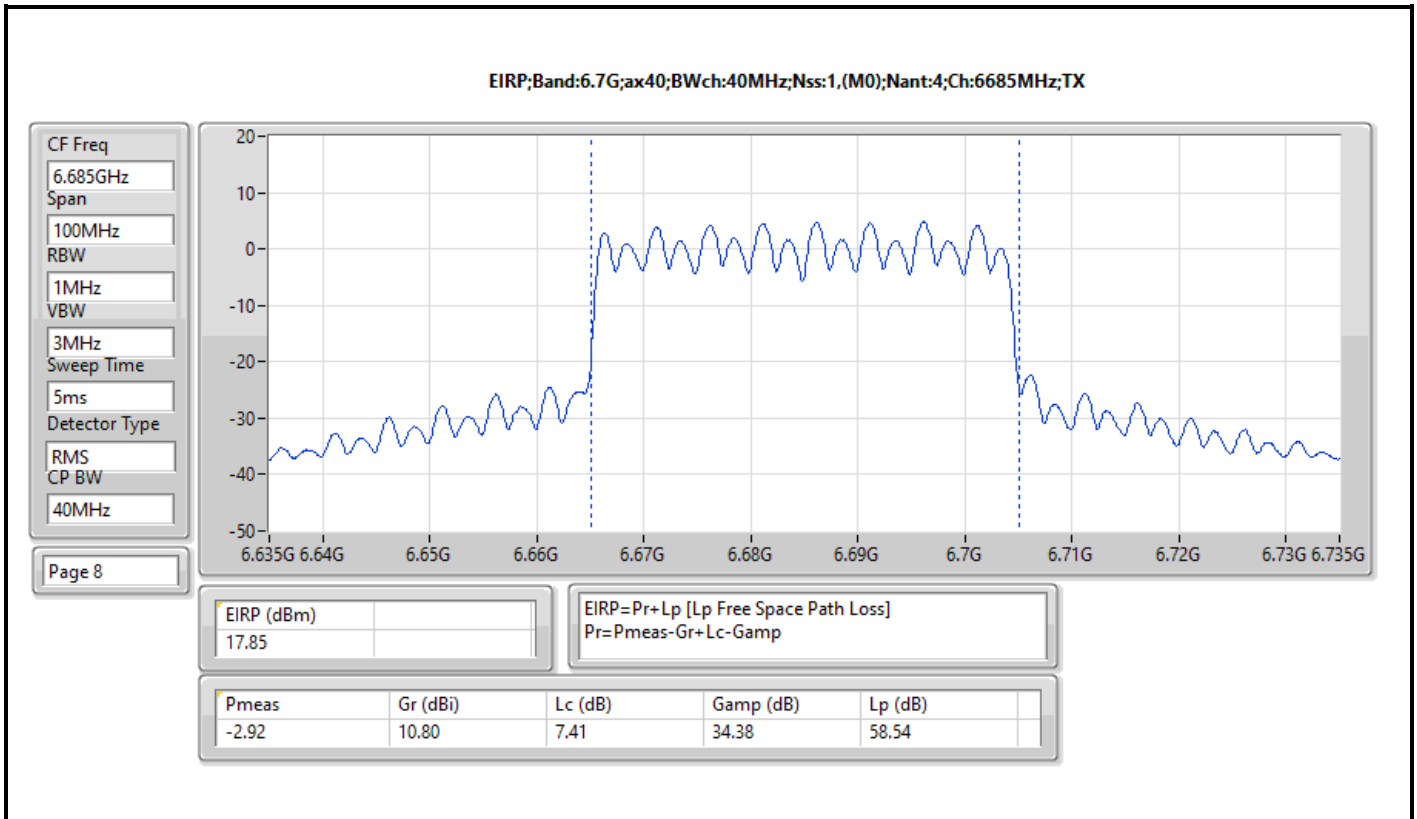


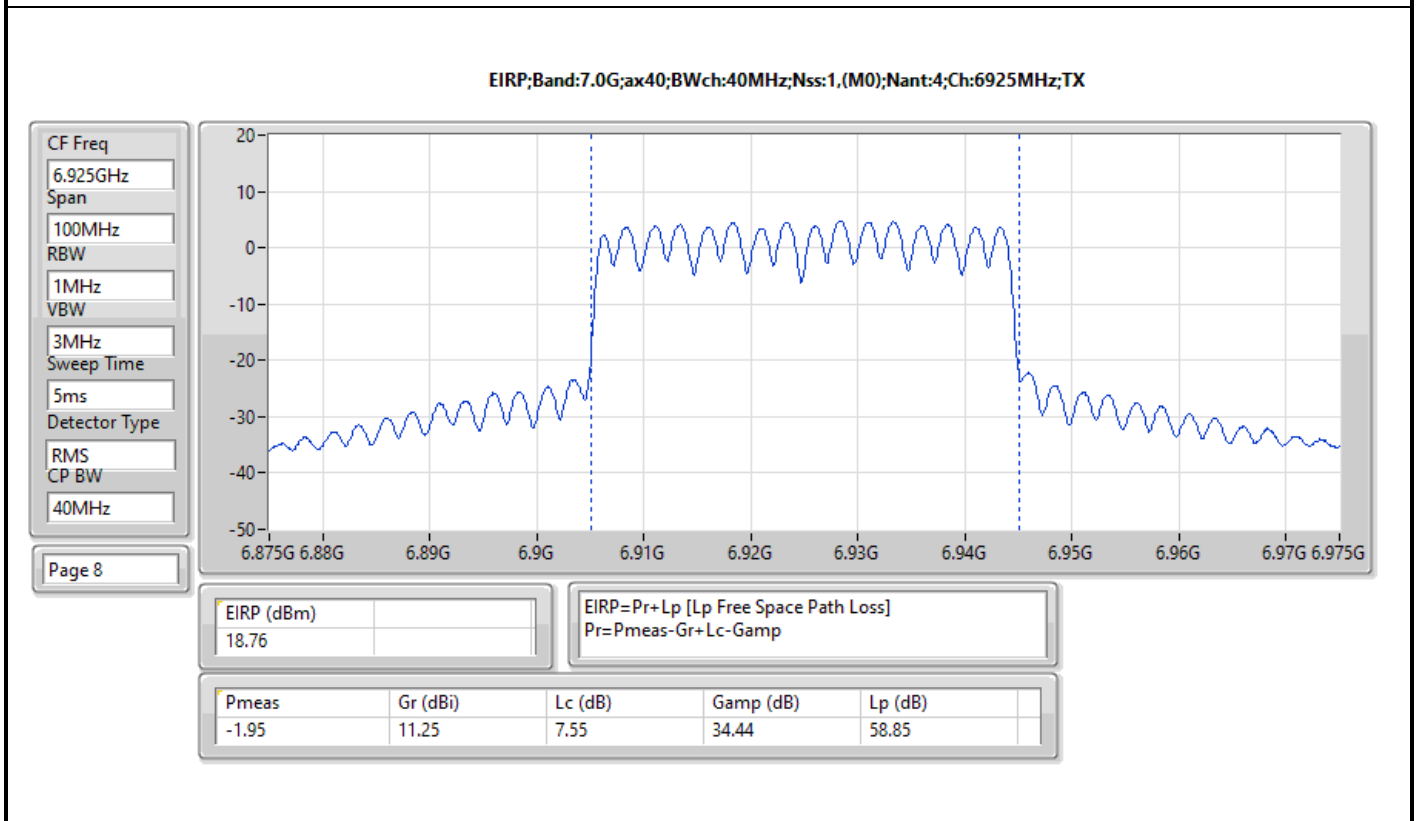
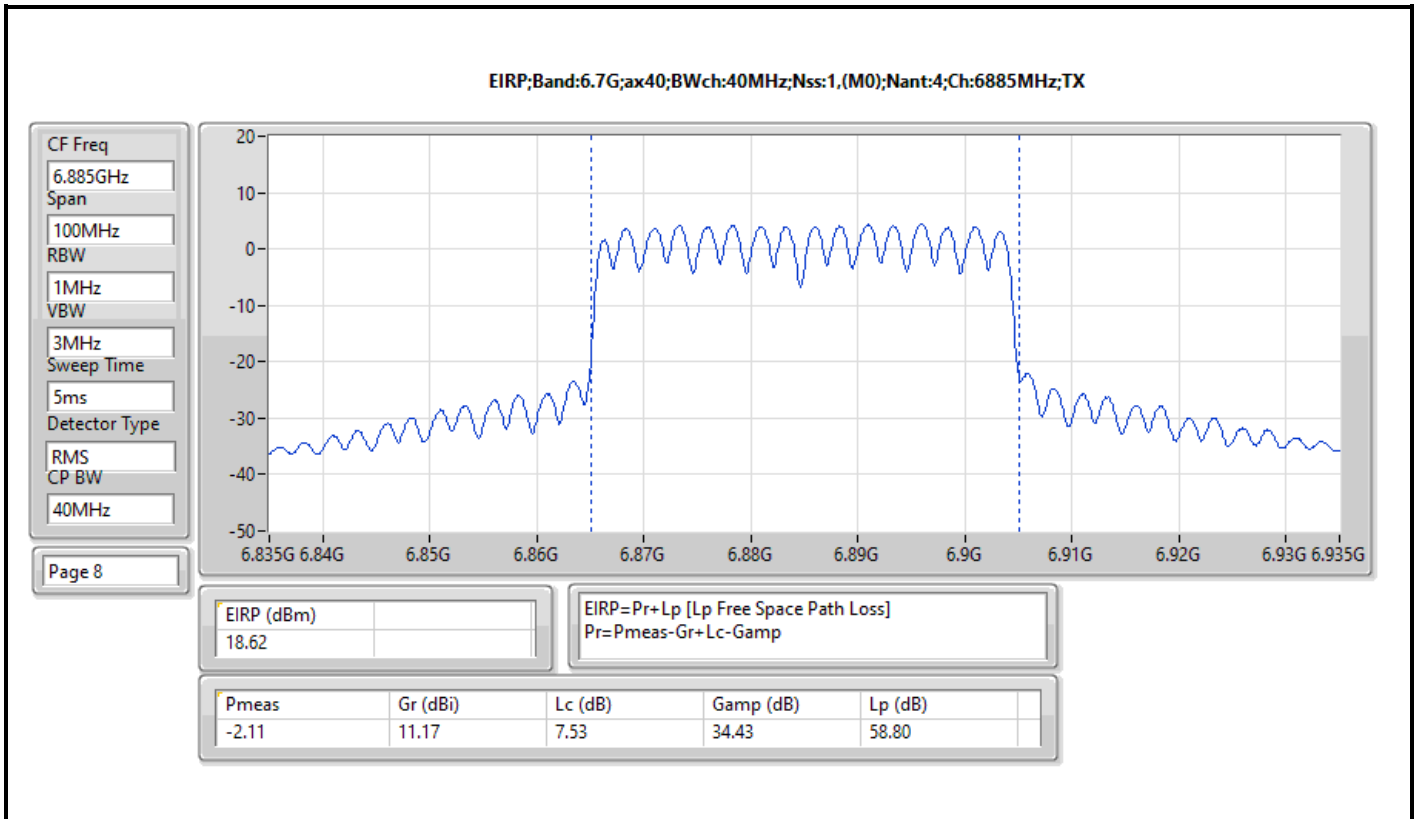


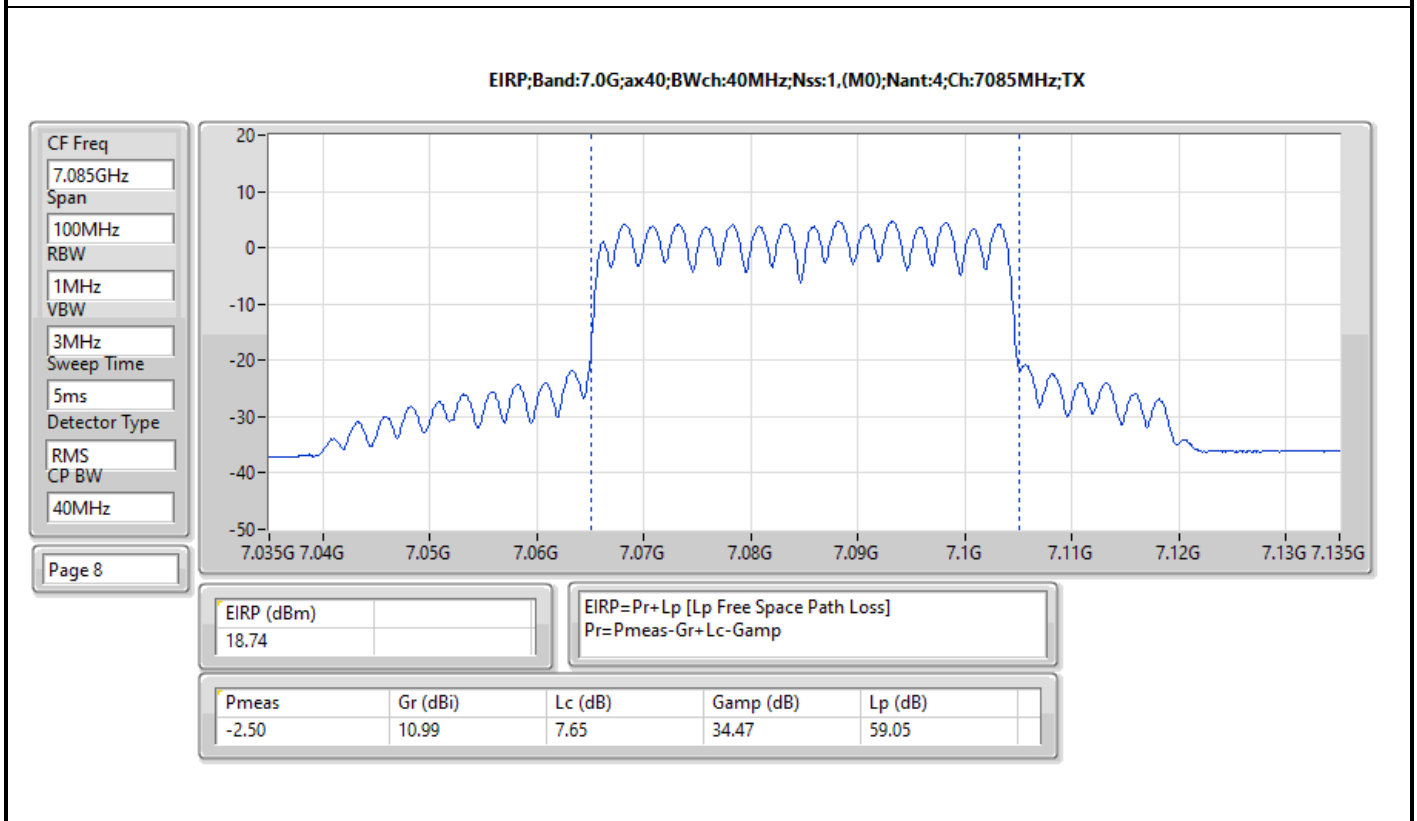
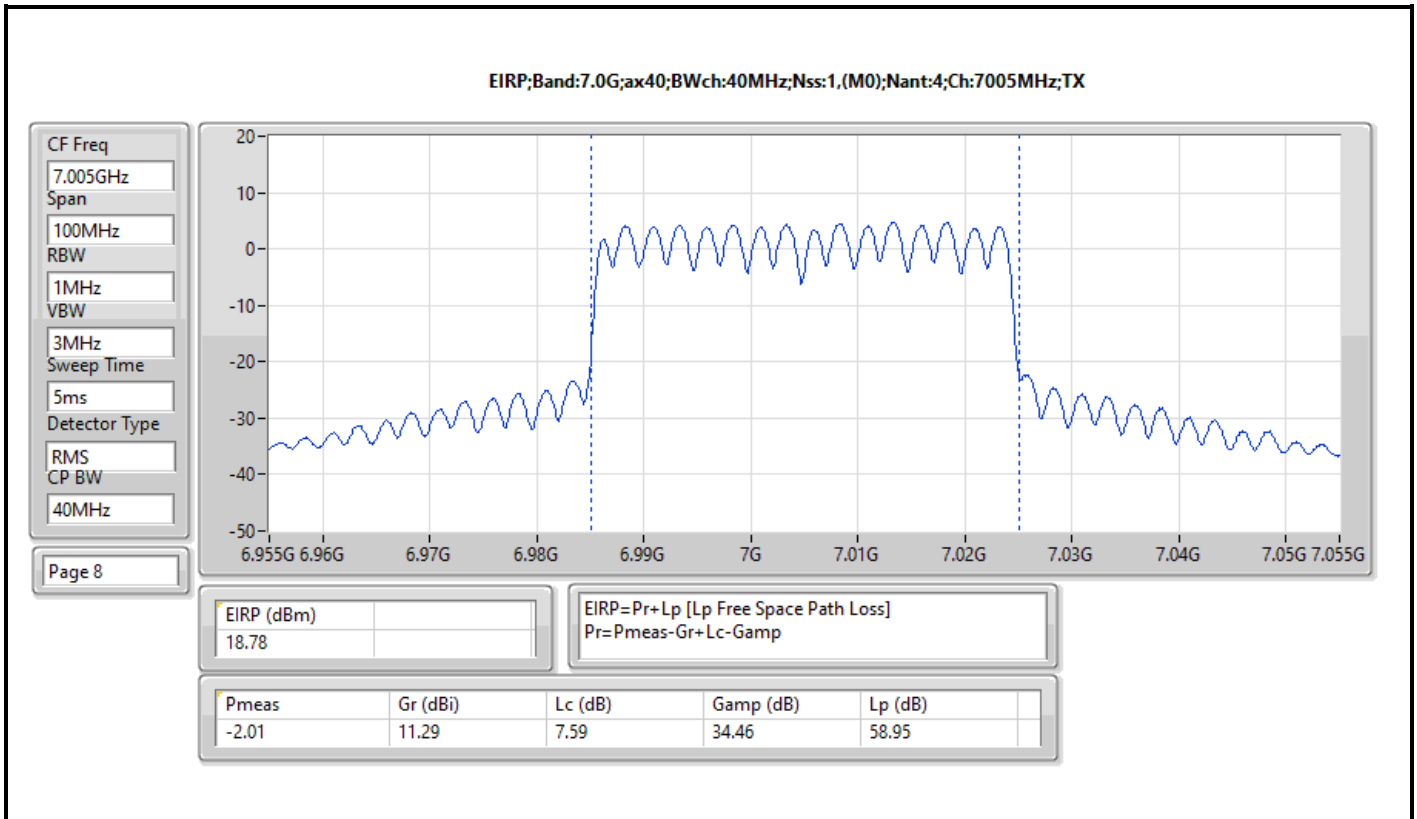


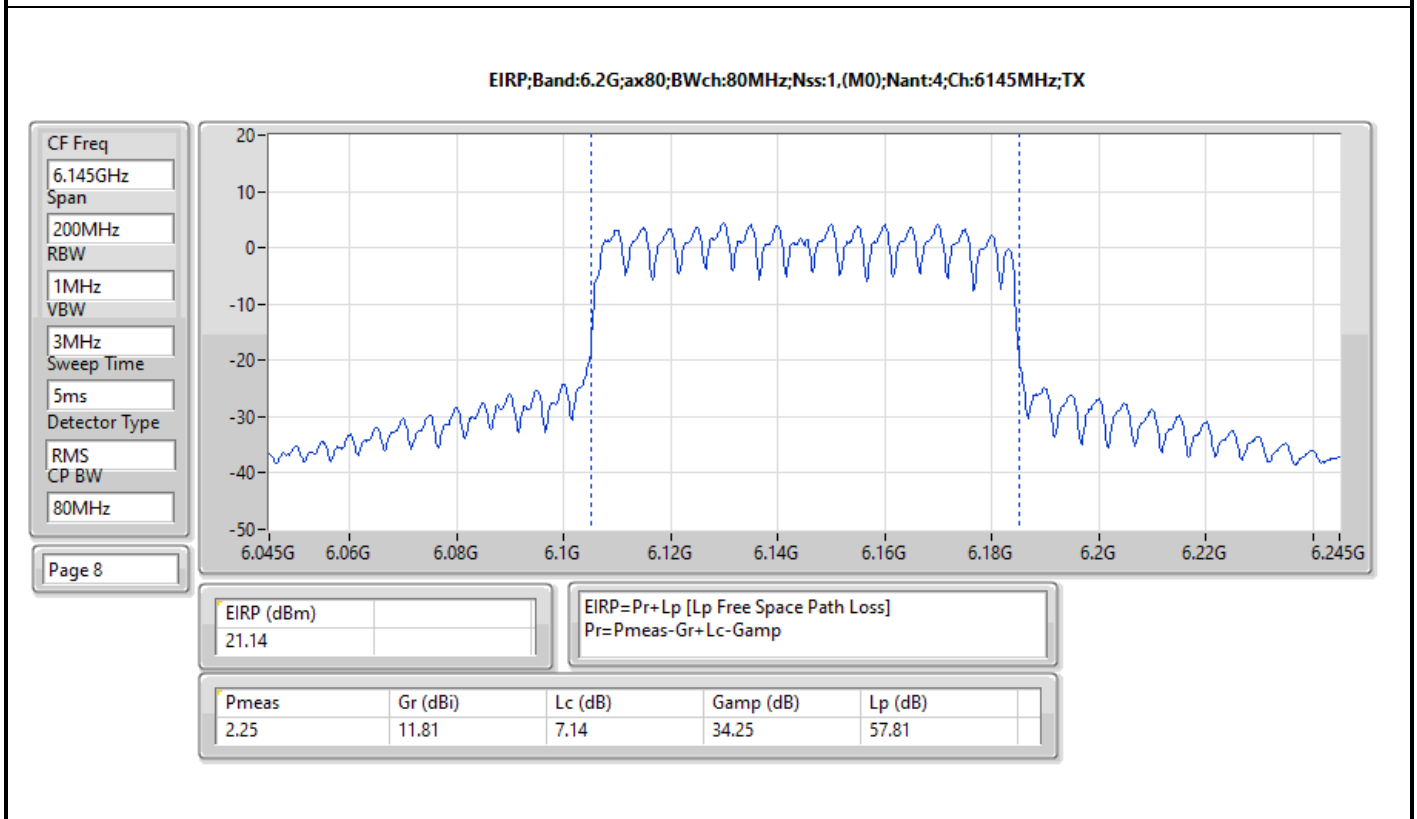
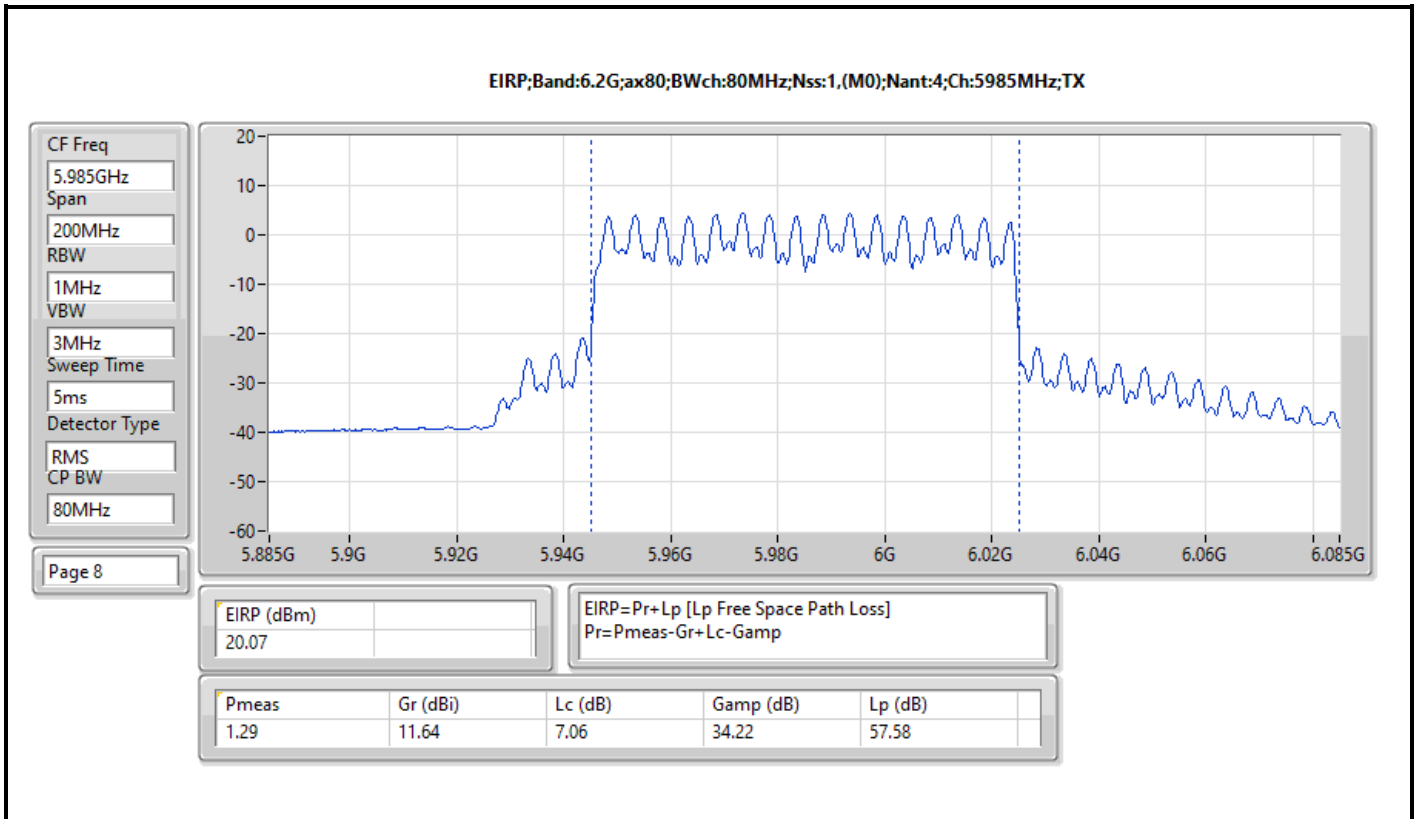


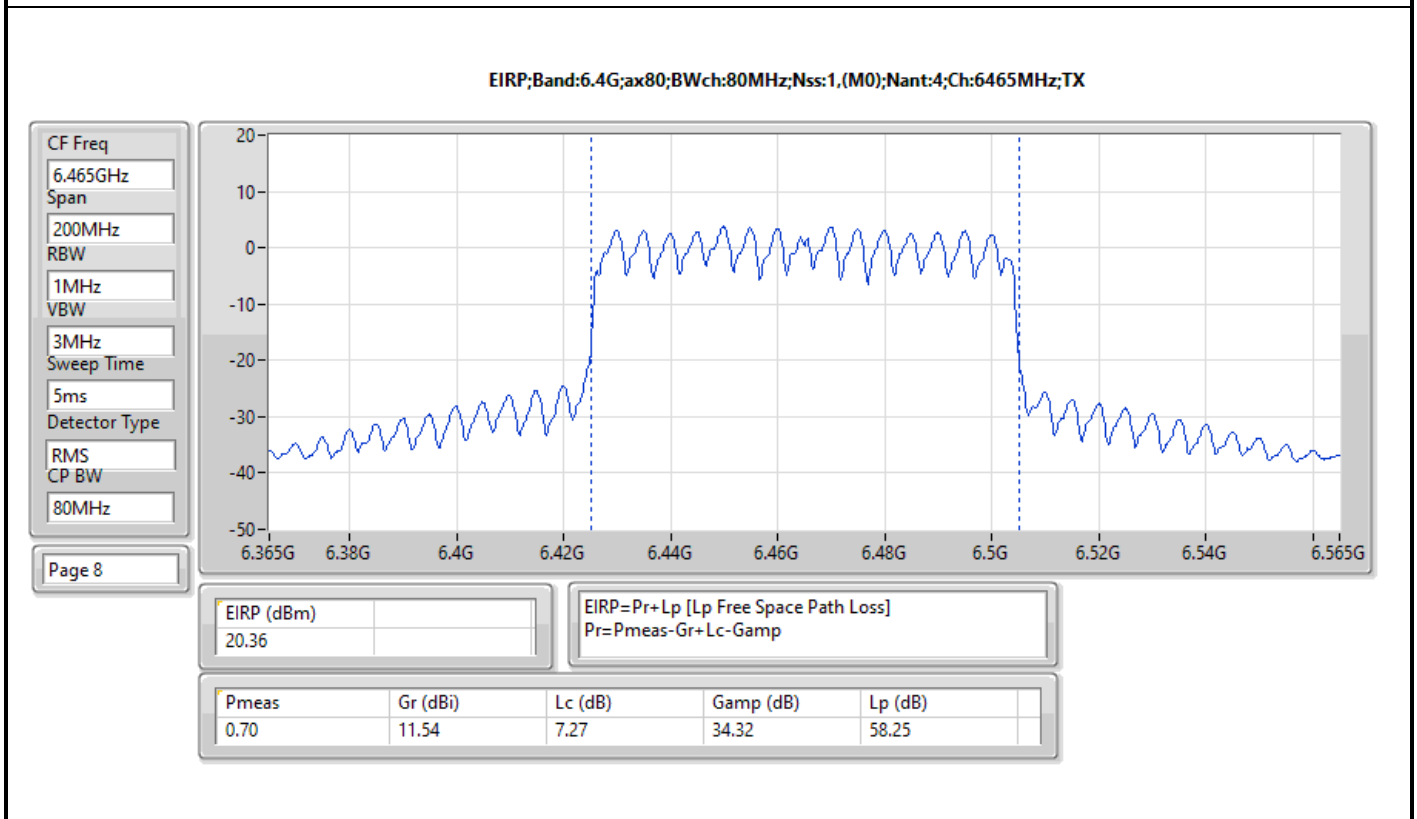
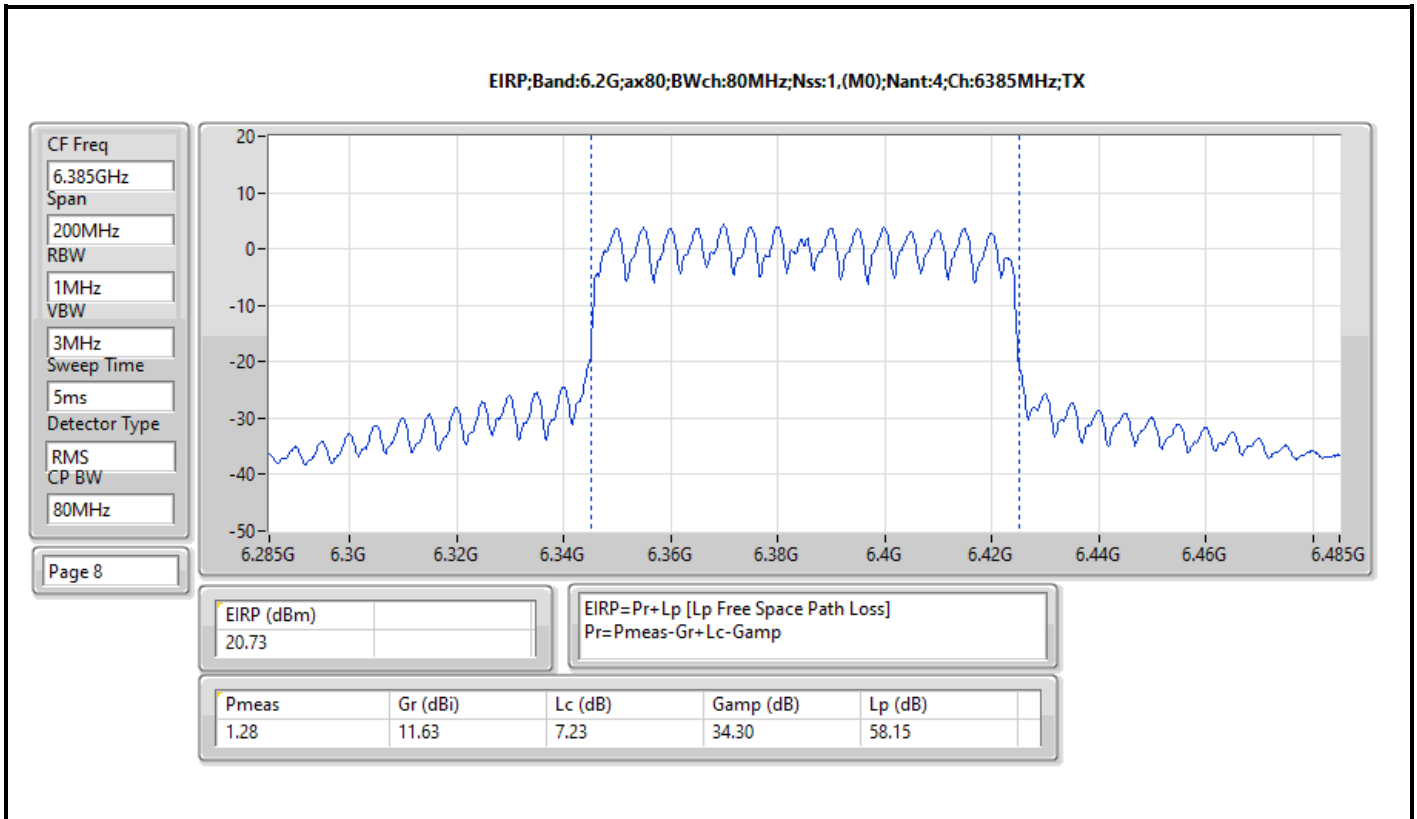


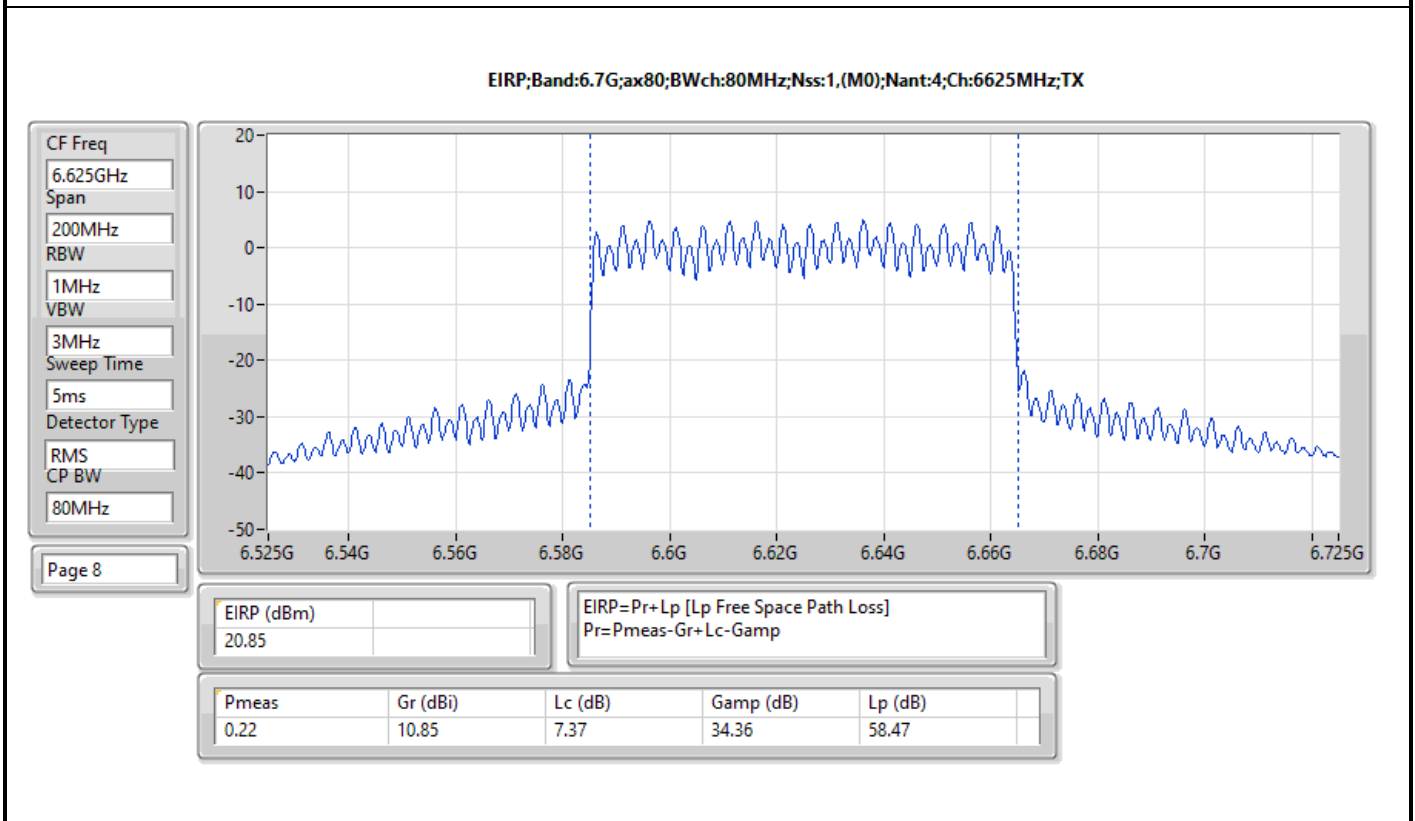
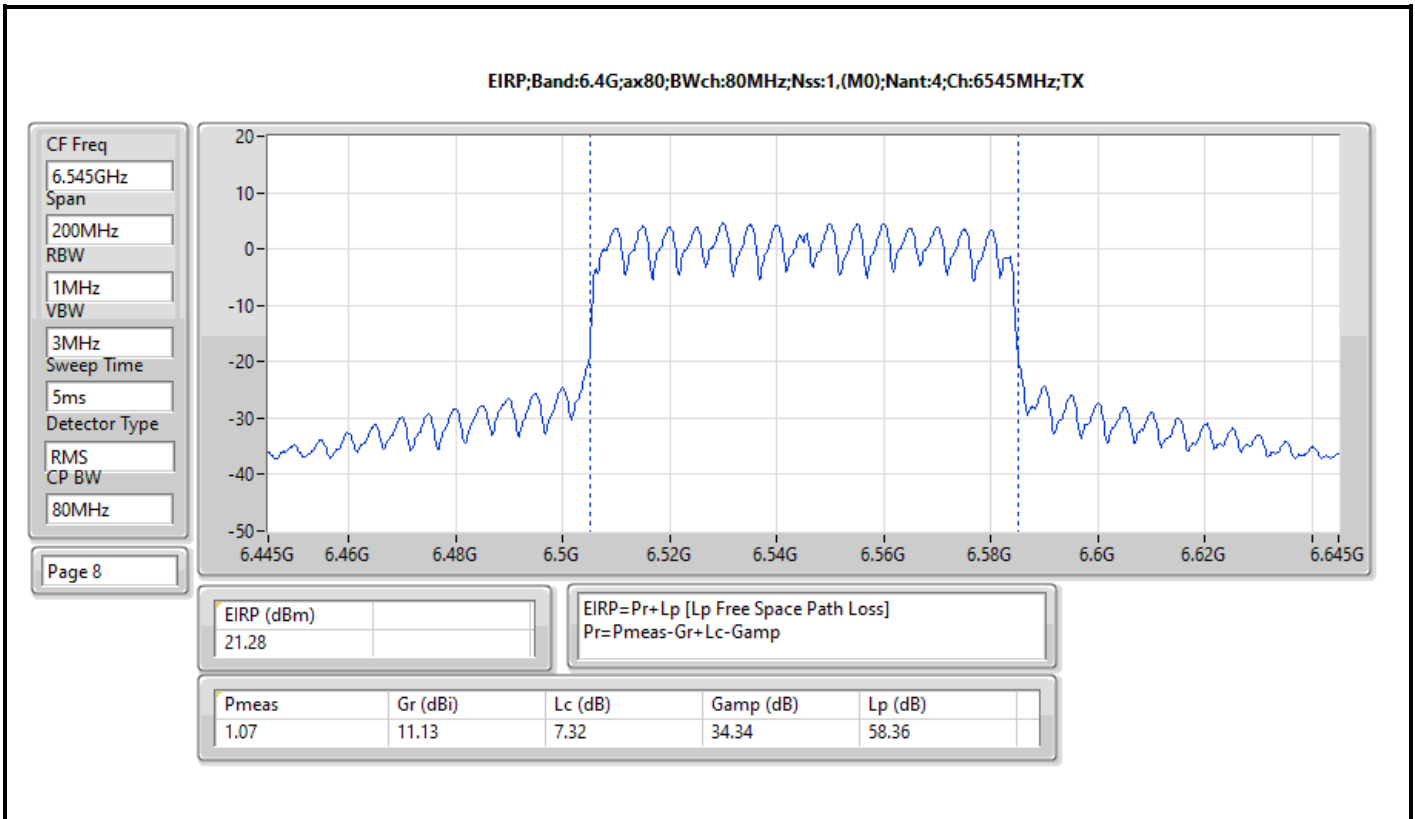


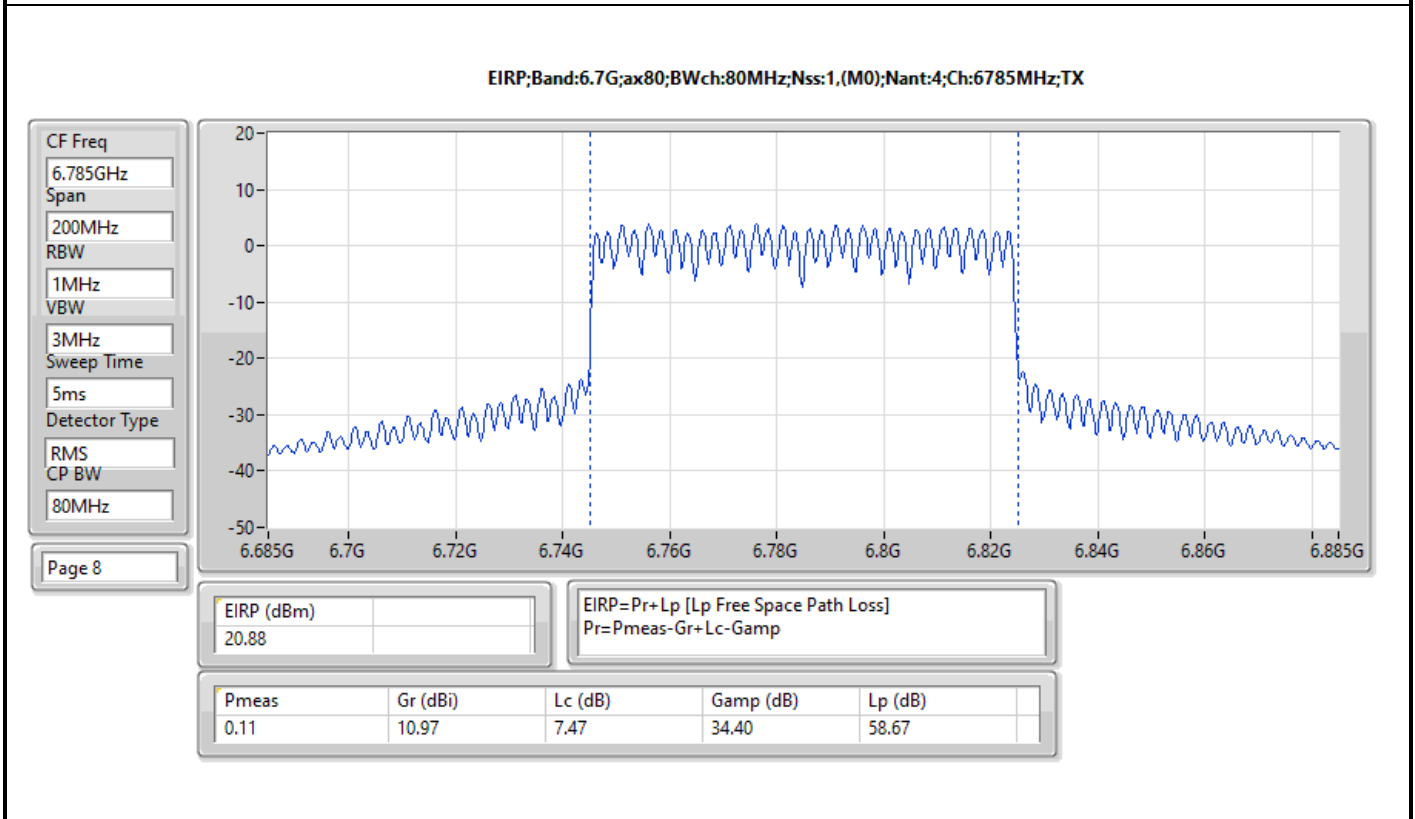
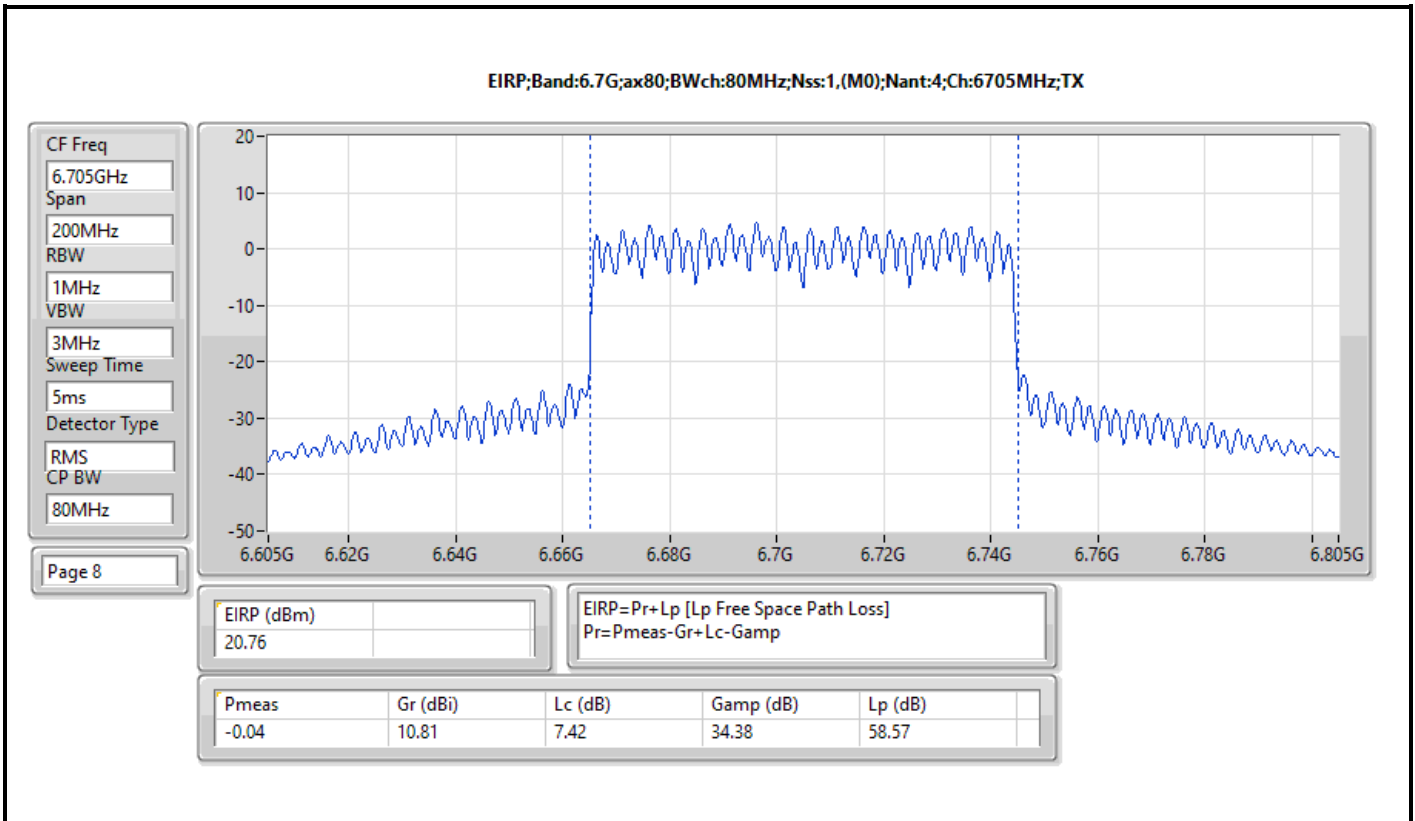


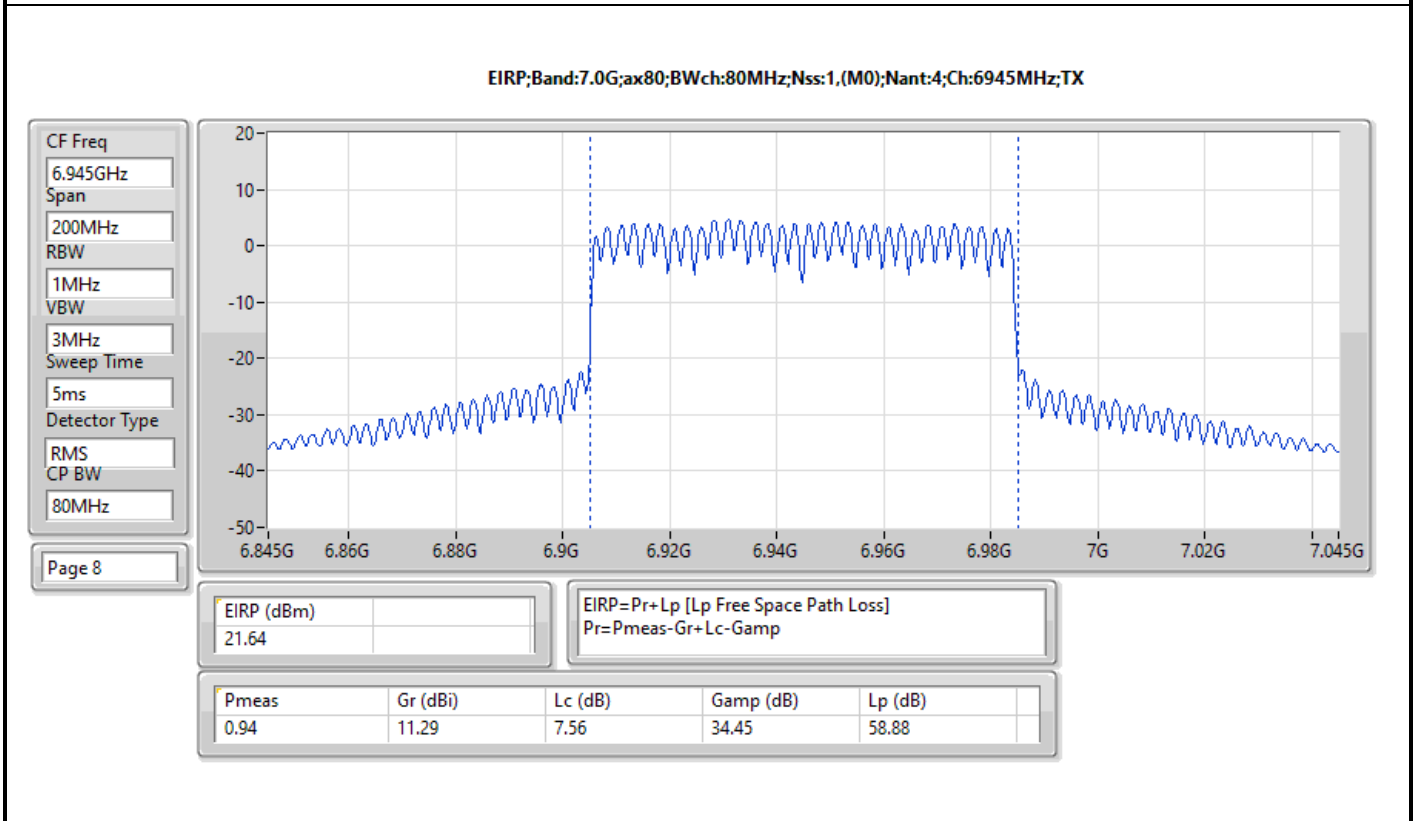
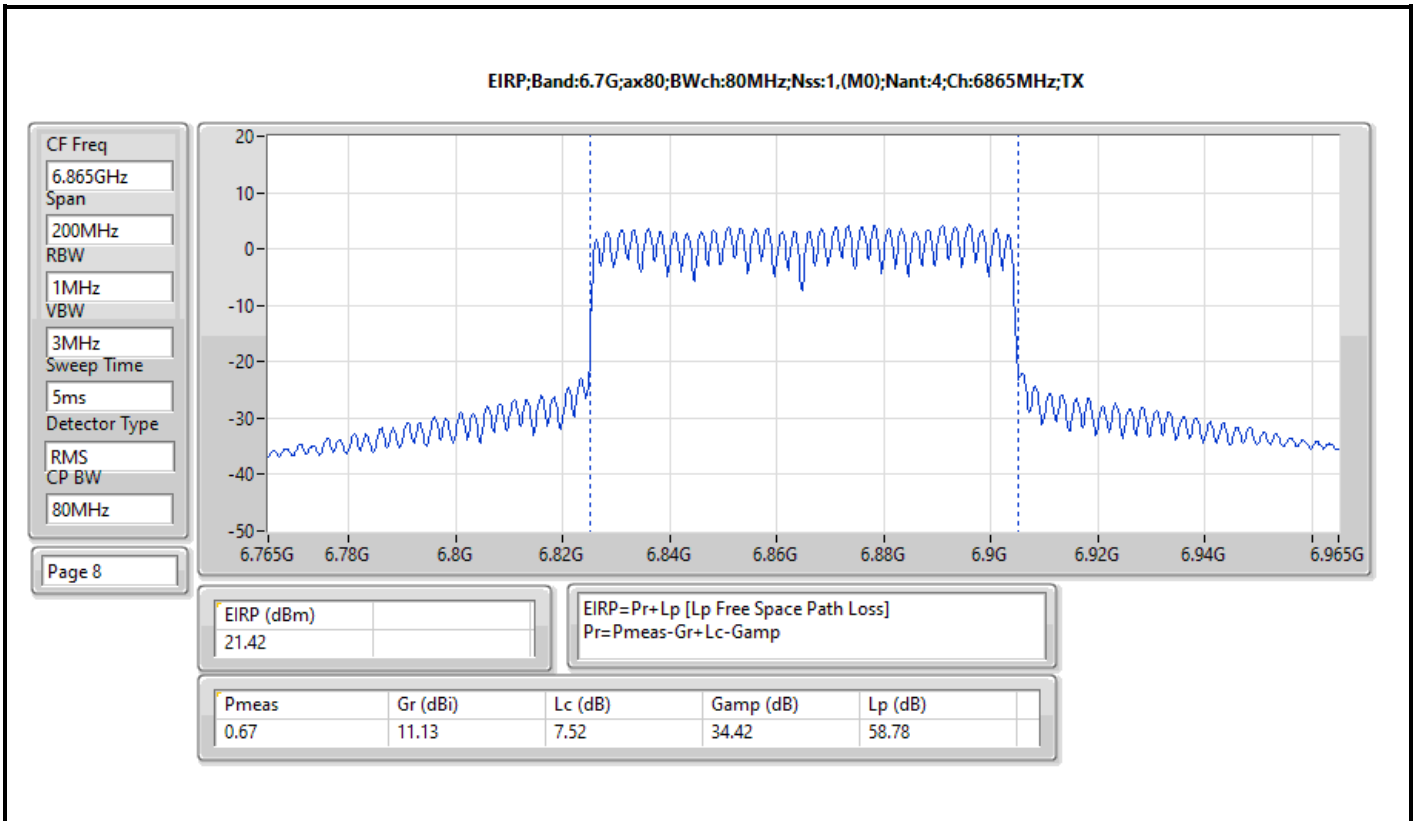


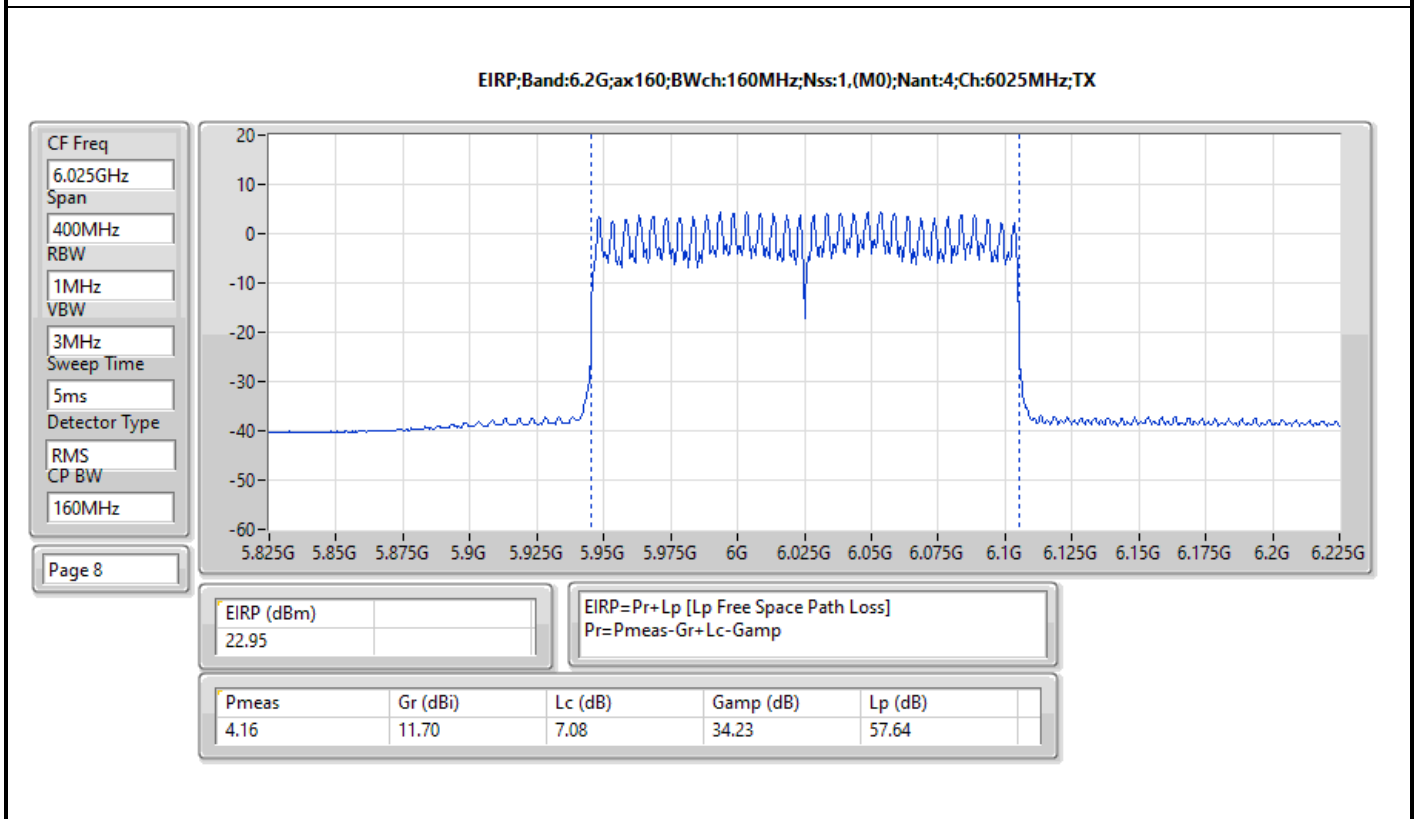
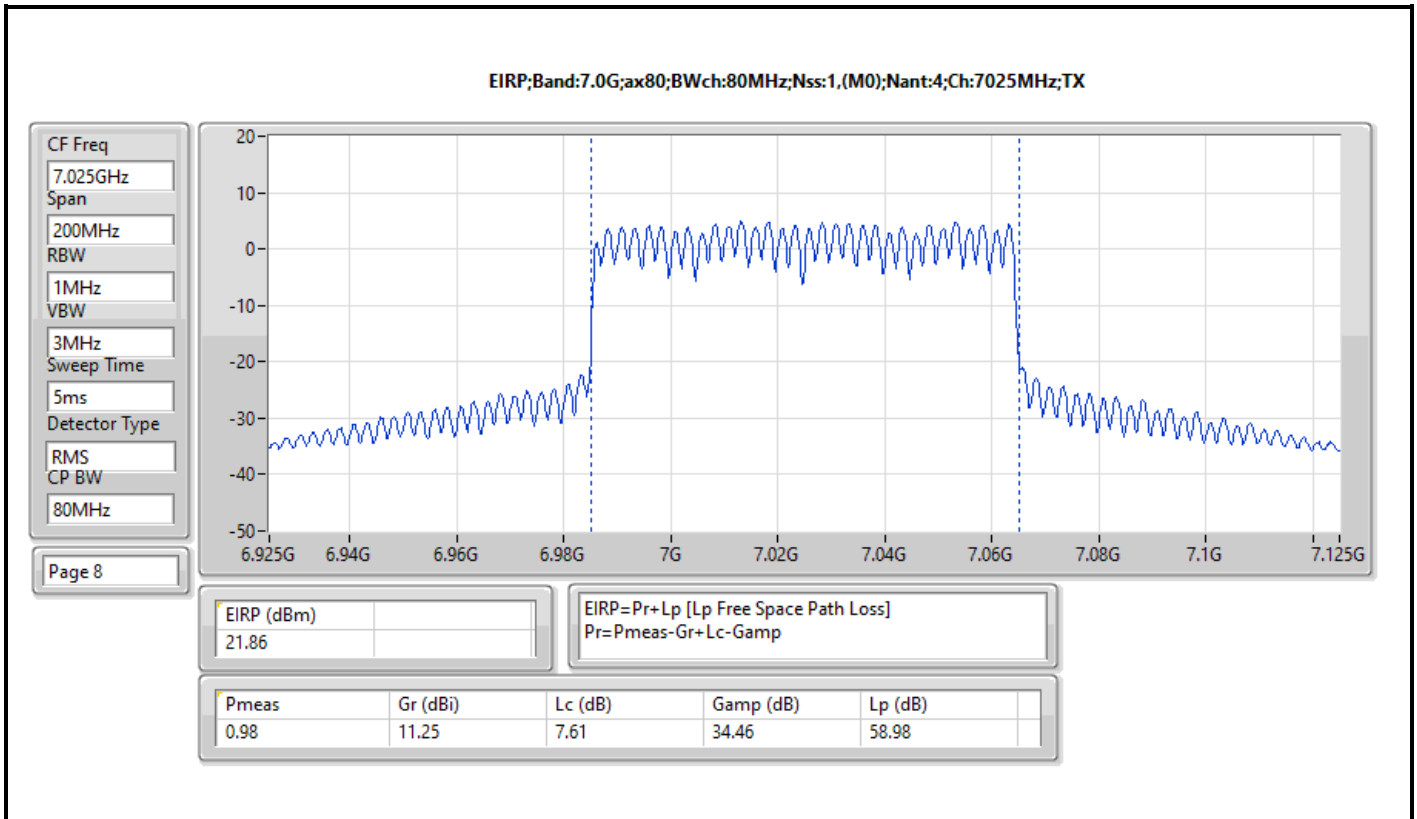


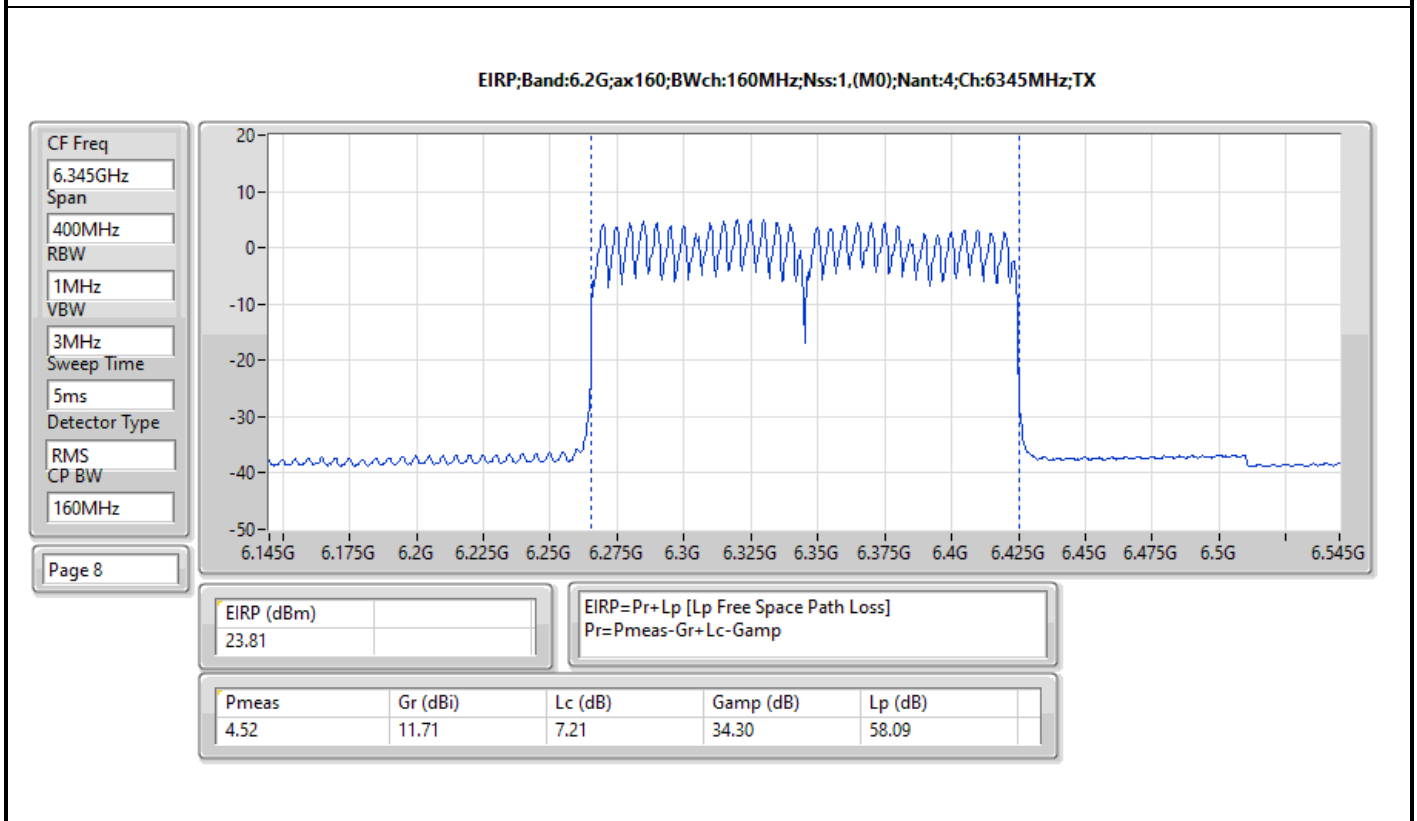
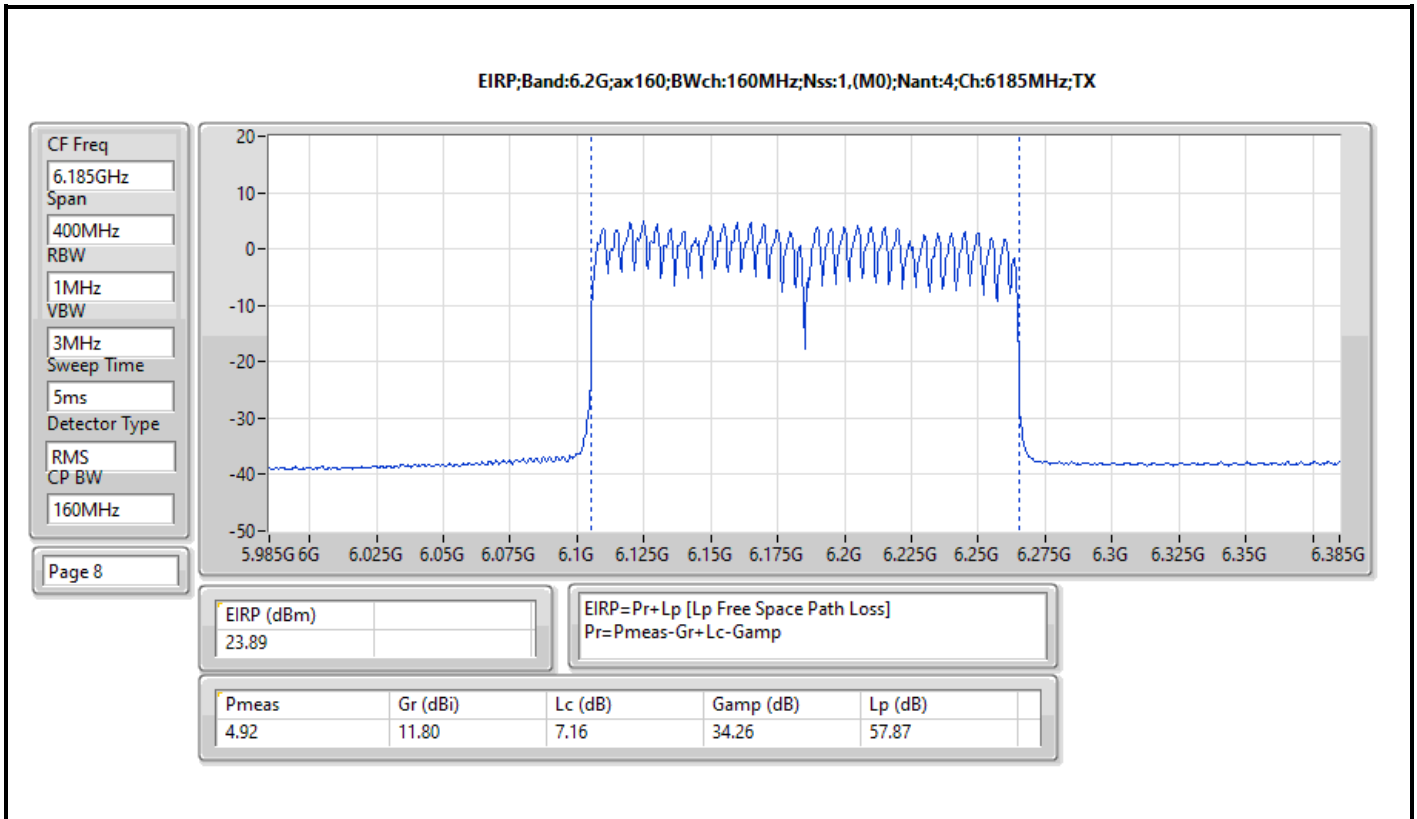


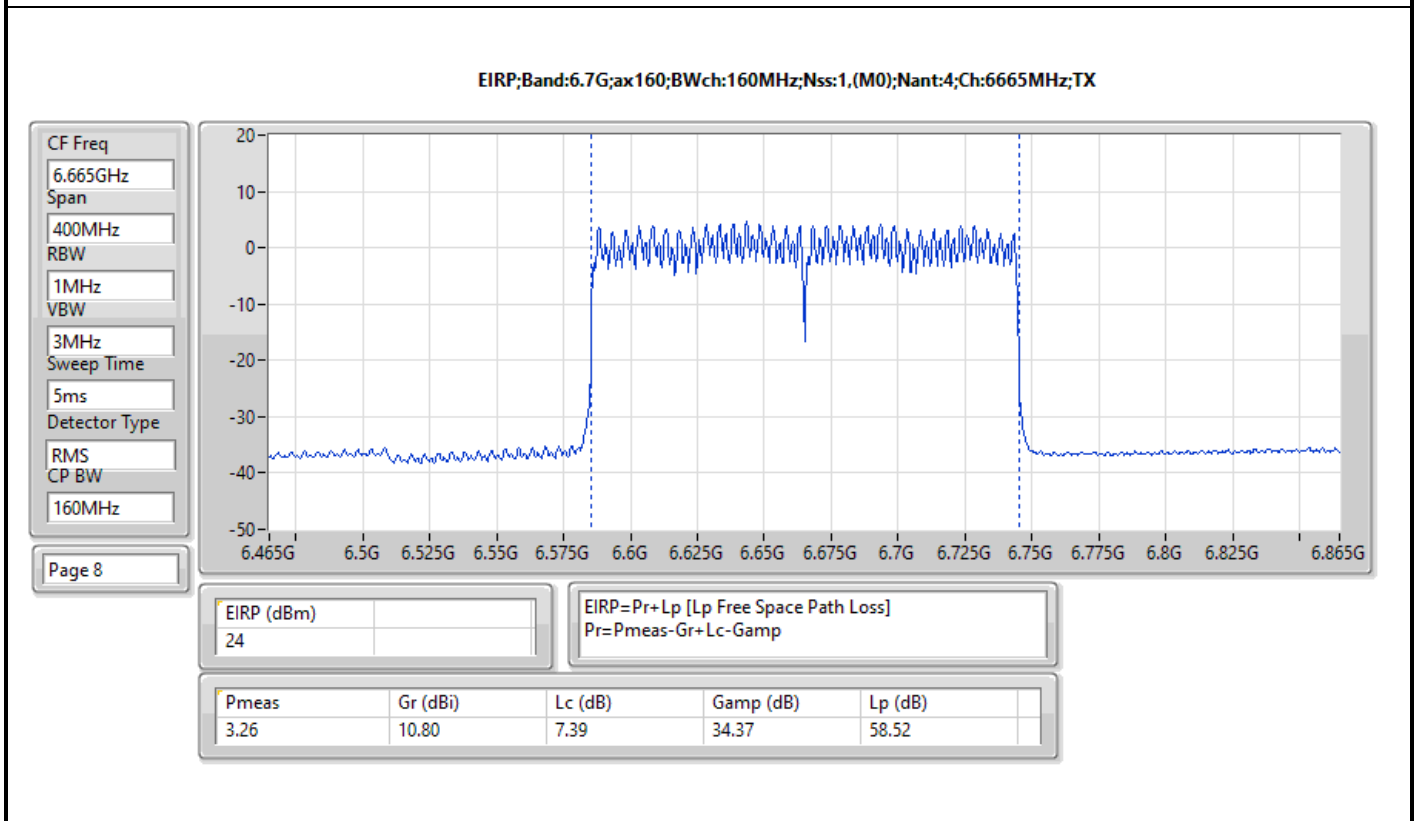
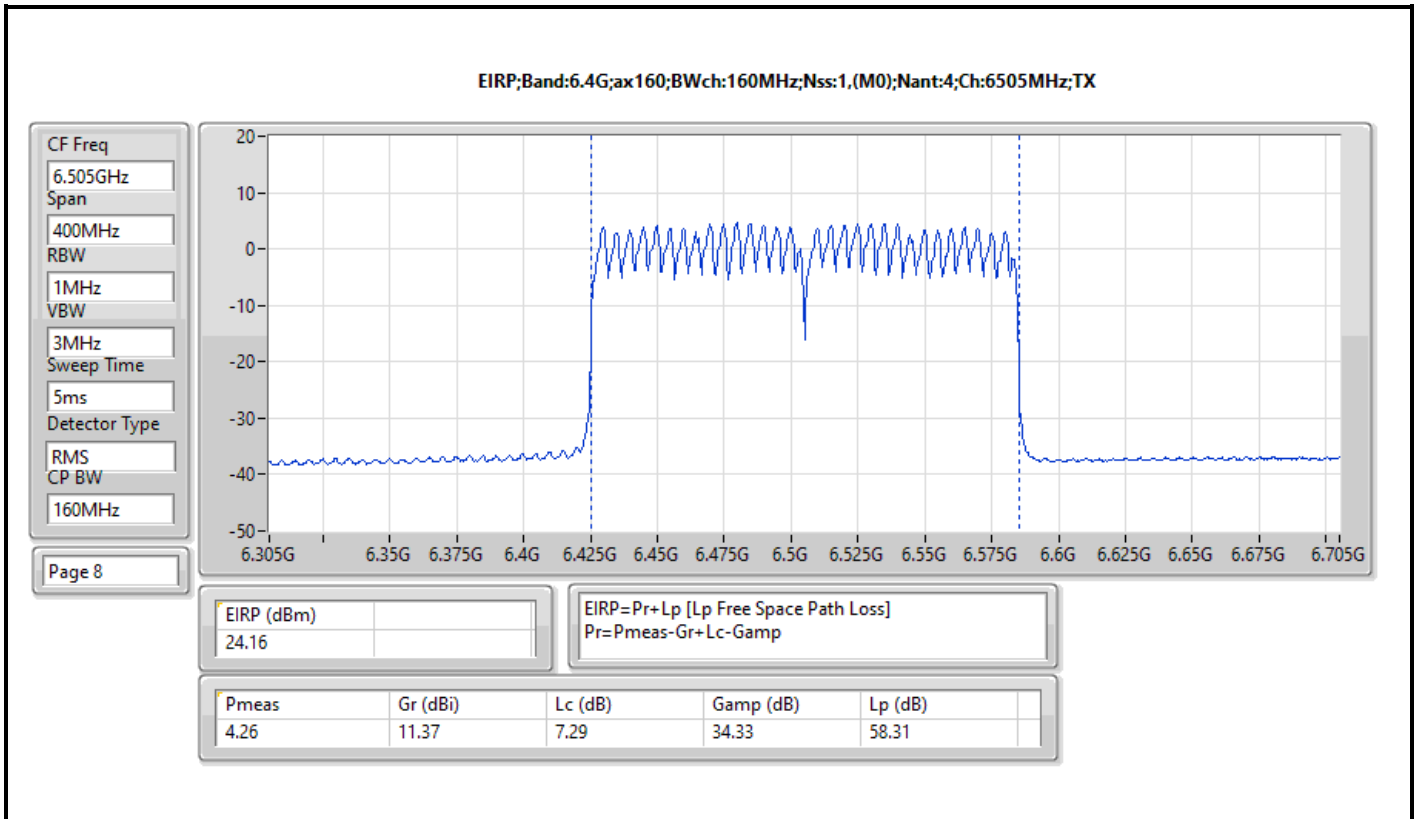


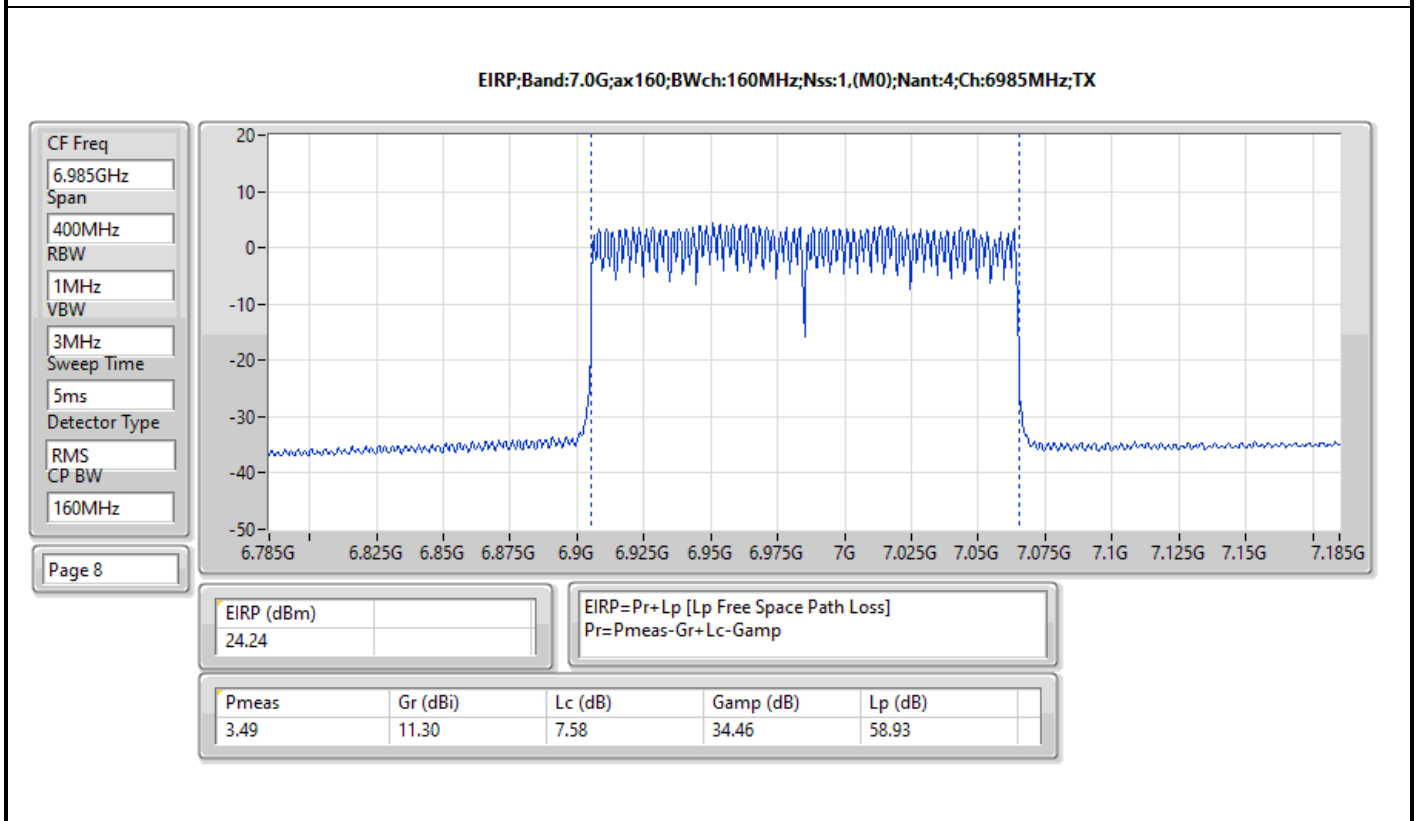
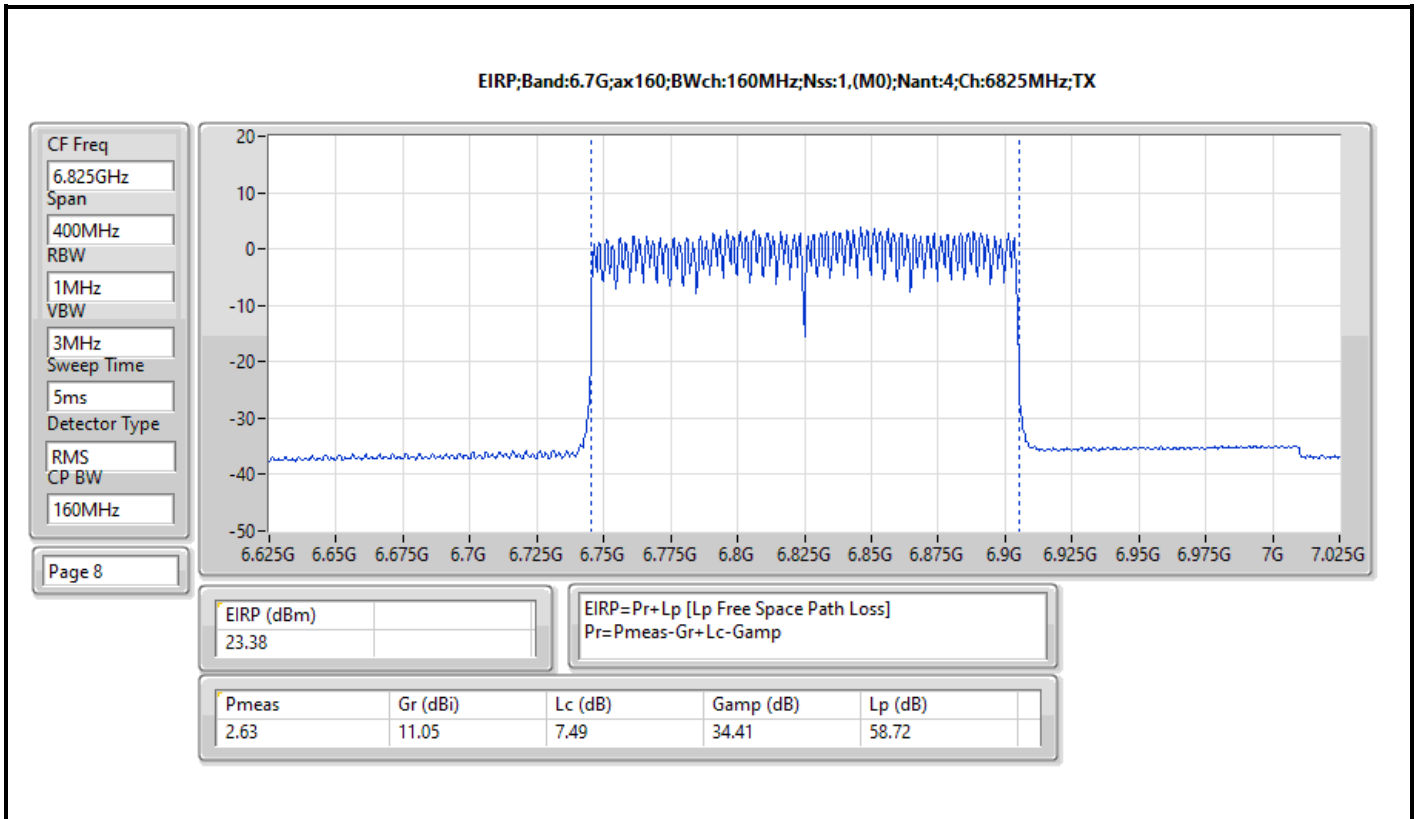














Summary

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.38	0.06887
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	19.04	0.08017
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.62	0.14521
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	24.58	0.28708
6.425-6.525GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.99	0.06295
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.65	0.11614
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	23.44	0.22080
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.96	0.19770
6.525-6.875GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	17.91	0.06180
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	19.47	0.08851
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	22.24	0.16749
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.75	0.23714
6.875-7.125GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.89	0.04887
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	20.43	0.11041
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.94	0.12417
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.43	0.22029



Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	17.48	30.00
6175MHz	Pass	18.35	30.00
6415MHz	Pass	18.38	30.00
6435MHz	Pass	17.99	30.00
6475MHz	Pass	16.91	30.00
6515MHz	Pass	15.73	30.00
6535MHz	Pass	15.27	30.00
6695MHz	Pass	15.99	30.00
6855MHz	Pass	16.25	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	17.91	30.00
6895MHz	Pass	16.89	30.00
6995MHz	Pass	14.48	30.00
7095MHz	Pass	15.74	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	19.04	30.00
6165MHz	Pass	18.86	30.00
6405MHz	Pass	18.65	30.00
6445MHz	Pass	18.01	30.00
6485MHz	Pass	18.57	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	20.65	30.00
6565MHz	Pass	19.47	30.00
6685MHz	Pass	17.34	30.00
6845MHz	Pass	18.18	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	18.36	30.00
6925MHz	Pass	19.07	30.00
7005MHz	Pass	18.78	30.00
7085MHz	Pass	20.43	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	18.21	30.00
6145MHz	Pass	21.62	30.00
6385MHz	Pass	20.75	30.00
6465MHz	Pass	20.85	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	23.44	30.00
6625MHz	Pass	20.28	30.00
6705MHz	Pass	20.12	30.00
6785MHz	Pass	22.24	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	21.00	30.00
6945MHz	Pass	20.94	30.00
7025MHz	Pass	19.85	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	23.18	30.00
6185MHz	Pass	24.58	30.00
6345MHz	Pass	23.77	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	22.96	30.00
6665MHz	Pass	23.75	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	22.59	30.00
6985MHz	Pass	23.43	30.00

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

