



FCC Radio Test Report

FCC ID : TVE-3518T01236
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP 233Gxxxxxx, FORTIAP-233Gxxxxxx, FAP-233Gxxxxxx,
(where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for software changes or marketing purposes only)
Applicant : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Standard : 47 CFR FCC Part 15.407

The product was received on Jun. 29, 2022, and testing was started from Aug. 08, 2022 and completed on Nov. 15, 2022. 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

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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PHOTOGRAPHS OF EUT V01



History of this test report

Report No.	Version	Description	Issued Date
FR262434AE	01	Initial issue of report	Nov. 29, 2022



Summary of Test Result

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

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: Barry Hsiao

Report Producer: Jenny Yang



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, n (HT20), ac (VHT20), ax (HEW20)	5955 ~ 7115	1 ~ 233 [59]
5925 ~ 7125	n (HT40), ac (VHT40), ax (HEW40)	5965 ~ 7085	3 ~ 227 [29]
5925 ~ 7125	ac (VHT80), ax (HEW80)	5985 ~ 7025	7 ~ 215 [14]
5925 ~ 7125	ac (VHT160), ax (HEW160)	6025 ~ 6985	15 ~ 207 [7]

Non-Beamforming

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11a	20	2TX
6.425-6.525GHz	802.11a	20	2TX
6.525-6.875GHz	802.11a	20	2TX
6.875-7.125GHz	802.11a	20	2TX
5.925-6.425GHz	802.11n HT20	20	2TX
6.425-6.525GHz	802.11n HT20	20	2TX
6.525-6.875GHz	802.11n HT20	20	2TX
6.875-7.125GHz	802.11n HT20	20	2TX
5.925-6.425GHz	802.11n HT40	40	2TX
6.425-6.525GHz	802.11n HT40	40	2TX
6.525-6.875GHz	802.11n HT40	40	2TX
6.875-7.125GHz	802.11n HT40	40	2TX
5.925-6.425GHz	802.11ac VHT20	20	2TX
6.425-6.525GHz	802.11ac VHT20	20	2TX
6.525-6.875GHz	802.11ac VHT20	20	2TX
6.875-7.125GHz	802.11ac VHT20	20	2TX
5.925-6.425GHz	802.11ac VHT40	40	2TX
6.425-6.525GHz	802.11ac VHT40	40	2TX
6.525-6.875GHz	802.11ac VHT40	40	2TX
6.875-7.125GHz	802.11ac VHT40	40	2TX
5.925-6.425GHz	802.11ac VHT80	80	2TX
6.425-6.525GHz	802.11ac VHT80	80	2TX



Band	Mode	BWch (MHz)	Nant
6.525-6.875GHz	802.11ac VHT80	80	2TX
6.875-7.125GHz	802.11ac VHT80	80	2TX
5.925-6.425GHz	802.11ac VHT160	160	2TX
6.425-6.525GHz	802.11ac VHT160	160	2TX
6.525-6.875GHz	802.11ac VHT160	160	2TX
6.875-7.125GHz	802.11ac VHT160	160	2TX
5.925-6.425GHz	802.11ax HEW20	20	2TX
6.425-6.525GHz	802.11ax HEW20	20	2TX
6.525-6.875GHz	802.11ax HEW20	20	2TX
6.875-7.125GHz	802.11ax HEW20	20	2TX
5.925-6.425GHz	802.11ax HEW40	40	2TX
6.425-6.525GHz	802.11ax HEW40	40	2TX
6.525-6.875GHz	802.11ax HEW40	40	2TX
6.875-7.125GHz	802.11ax HEW40	40	2TX
5.925-6.425GHz	802.11ax HEW80	80	2TX
6.425-6.525GHz	802.11ax HEW80	80	2TX
6.525-6.875GHz	802.11ax HEW80	80	2TX
6.875-7.125GHz	802.11ax HEW80	80	2TX
5.925-6.425GHz	802.11ax HEW160	160	2TX
6.425-6.525GHz	802.11ax HEW160	160	2TX
6.525-6.875GHz	802.11ax HEW160	160	2TX
6.875-7.125GHz	802.11ax HEW160	160	2TX

Beamforming

Band	Mode	BWch (MHz)	Nant
5.925-6.425GHz	802.11ax HEW20-BF	20	2TX
6.425-6.525GHz	802.11ax HEW20-BF	20	2TX
6.525-6.875GHz	802.11ax HEW20-BF	20	2TX
6.875-7.125GHz	802.11ax HEW20-BF	20	2TX
5.925-6.425GHz	802.11ax HEW40-BF	40	2TX
6.425-6.525GHz	802.11ax HEW40-BF	40	2TX
6.525-6.875GHz	802.11ax HEW40-BF	40	2TX
6.875-7.125GHz	802.11ax HEW40-BF	40	2TX
5.925-6.425GHz	802.11ax HEW80-BF	80	2TX
6.425-6.525GHz	802.11ax HEW80-BF	80	2TX
6.525-6.875GHz	802.11ax HEW80-BF	80	2TX



Band	Mode	BWch (MHz)	Nant
6.875-7.125GHz	802.11ax HEW80-BF	80	2TX
5.925-6.425GHz	802.11ax HEW160-BF	160	2TX
6.425-6.525GHz	802.11ax HEW160-BF	160	2TX
6.525-6.875GHz	802.11ax HEW160-BF	160	2TX
6.875-7.125GHz	802.11ax HEW160-BF	160	2TX

Note:

- ♦ 11a, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- ♦ VHT20, VHT40, VHT80 and VHT160 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- ♦ 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
3	AWAN	7102A0561000	Dipole	I-Pex	6G
4	AWAN	7102A0562000	Dipole	I-Pex	6G

Ant.	Port	Gain (dBi)
		6G
3	1	4.77
4	2	4.37

For 6GHz function:

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

Ant. 3 (port 1) and Ant. 4 (port 2) could transmit/receive simultaneously.



1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / PoE		
EUT Function	<input checked="" type="checkbox"/>	Indoor Access Point	<input type="checkbox"/> Subordinate
	<input type="checkbox"/>	Indoor Client	<input type="checkbox"/> Standard Power Access Point
	<input type="checkbox"/>	Dual Client	<input type="checkbox"/> Standard Client
	<input type="checkbox"/>	Fixed Client	
Beamforming Function	<input checked="" type="checkbox"/>	With beamforming	<input type="checkbox"/> Without beamforming
Resource Unit(802.11ax)	<input checked="" type="checkbox"/>	Full RU	<input type="checkbox"/> Partial RU
Software / Firmware Version for CBP		Linux OpenWrt 4.4.60 #19 SMP PREEMPT Fri Jun 17 13:18:46 CST 2022 aarch64 GNU/Linux	
Type of EUT			
<input checked="" type="checkbox"/>	Stand-alone		
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:		
<input type="checkbox"/>	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
802.11a_Nss1,(6Mbps)_2TX	0.95	0.22	1.98m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.925	0.34	5.448m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.918	0.37	5.448m	300
802.11ax HEW80_Nss1,(MCS0)_2TX	0.935	0.29	5.448m	300
802.11ax HEW160_Nss1,(MCS0)_2TX	0.941	0.26	5.448m	300

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.974	0.11	3.45m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.966	0.15	3.454m	300
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	0.975	0.11	3.705m	300
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.923	0.35	3.9m	300

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

1.1.5 Table for Multiple Listing

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

Model Name	Description
FortiAP 233Gxxxxxx, FORTIAP-233Gxxxxxx, FAP-233Gxxxxxx, (where “x” can be used as “A-Z”, or “0-9”, or “-”, or blank for software changes or marketing purposes only)	All the models are identical, the difference model served as marketing strategy.



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	Bart Chen	23.4~24°C / 57~60%	04/Oct/2022
RF Conducted	TH01-HY	Johnny Yu	20.6~26.9°C / 50~60%	08/Aug/2022~15/Nov/2022
Radiated	03CH02-HY	Daniel Lin	21.7~25.4°C / 52~63%	11/Aug/2022~11/Nov/2022
Radiated for Co-location	03CH02-HY	Daniel Lin	21~24.4°C / 58~63%	18/Oct/2022~20/Oct/2022
Contention Based Protocol	DFS03-HY	CHUN-YI WU	20.2~26.8°C / 49~61%	13/Sep/2022
<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 Isotopically 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	QDART-Connectivity1.0-00081
-----------------------	-----------------------------

Mode	Power Setting
802.11a_Nss1,(6Mbps)_2TX	-
5955MHz	9.5
6175MHz	9
6415MHz	10
6435MHz	10
6475MHz	10
6515MHz	9.5
6535MHz	10
6695MHz	10.5
6855MHz	10
6875MHz	9.5
6895MHz	10
6995MHz	12
7095MHz	10
7115MHz	4.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5955MHz	10.5
6175MHz	7.5
6415MHz	9.5
6435MHz	10
6475MHz	9.5
6515MHz	9.5
6535MHz	10
6695MHz	9
6855MHz	7.5
6875MHz	8.5
6895MHz	7.5
6995MHz	10
7095MHz	10.5



Mode	Power Setting
7115MHz	4
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5965MHz	13
6165MHz	10.5
6405MHz	12.5
6445MHz	13
6485MHz	12
6525MHz	13
6565MHz	11.5
6685MHz	11.5
6845MHz	11.5
6885MHz	12
6925MHz	12
7005MHz	13
7085MHz	13.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5985MHz	17
6145MHz	13
6385MHz	16.5
6465MHz	15.5
6545MHz	14
6625MHz	14.5
6705MHz	14
6785MHz	14
6865MHz	14.5
6945MHz	15
7025MHz	16.5
802.11ax HEW160_Nss1,(MCS0)_2TX	-
6025MHz	16.5
6185MHz	16.5
6345MHz	18.5
6505MHz	18
6665MHz	17
6825MHz	17
6985MHz	18.5



Beamforming

Test Software Version	PuTTY Release 0.62
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Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5955MHz	13
6175MHz	13
6415MHz	14
6435MHz	13
6475MHz	13
6515MHz	12
6535MHz	13
6695MHz	15
6855MHz	13
6875MHz	12
6895MHz	13
6995MHz	14
7095MHz	15
7115MHz	12
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5965MHz	18
6165MHz	15
6405MHz	17
6445MHz	15
6485MHz	15
6525MHz	16
6565MHz	23
6685MHz	23
6845MHz	15
6885MHz	16
6925MHz	23
7005MHz	19
7085MHz	23
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5985MHz	20
6145MHz	19
6385MHz	20






Mode	Power Setting
6465MHz	19
6545MHz	18
6625MHz	19
6705MHz	19
6785MHz	19
6865MHz	19
6945MHz	19
7025MHz	22
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
6025MHz	23
6185MHz	21
6345MHz	22
6505MHz	22
6665MHz	22
6825MHz	21
6985MHz	23



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 Unwanted Emissions Contention Based Protocol Frequency Stability
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests			
Tests Item	Unwanted Emissions Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
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 - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Bluetooth
2	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Bluetooth
3	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Bluetooth
4	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Zigbee
5	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Zigbee
6	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Zigbee
7	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Bluetooth
8	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Zigbee
Refer to Appendix H for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	CTX
1	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Bluetooth
2	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Bluetooth
3	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Bluetooth
4	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Zigbee
5	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Zigbee
6	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Zigbee
7	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Bluetooth
8	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Zigbee
Refer to Sporton Test Report No.: FA262434 for Co-location RF Exposure Evaluation.	



2.3 Accessories

Accessories				
Bracket ceiling mount 1	Brand Name	DRAGONJET CORPORTION	Model Name	CLIP CEILING 9/16 LFP
Bracket ceiling mount 2	Brand Name	DRAGONJET CORPORTION	Model Name	CLIP CEILING 15/16 LFP

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

2.4 Support Equipment

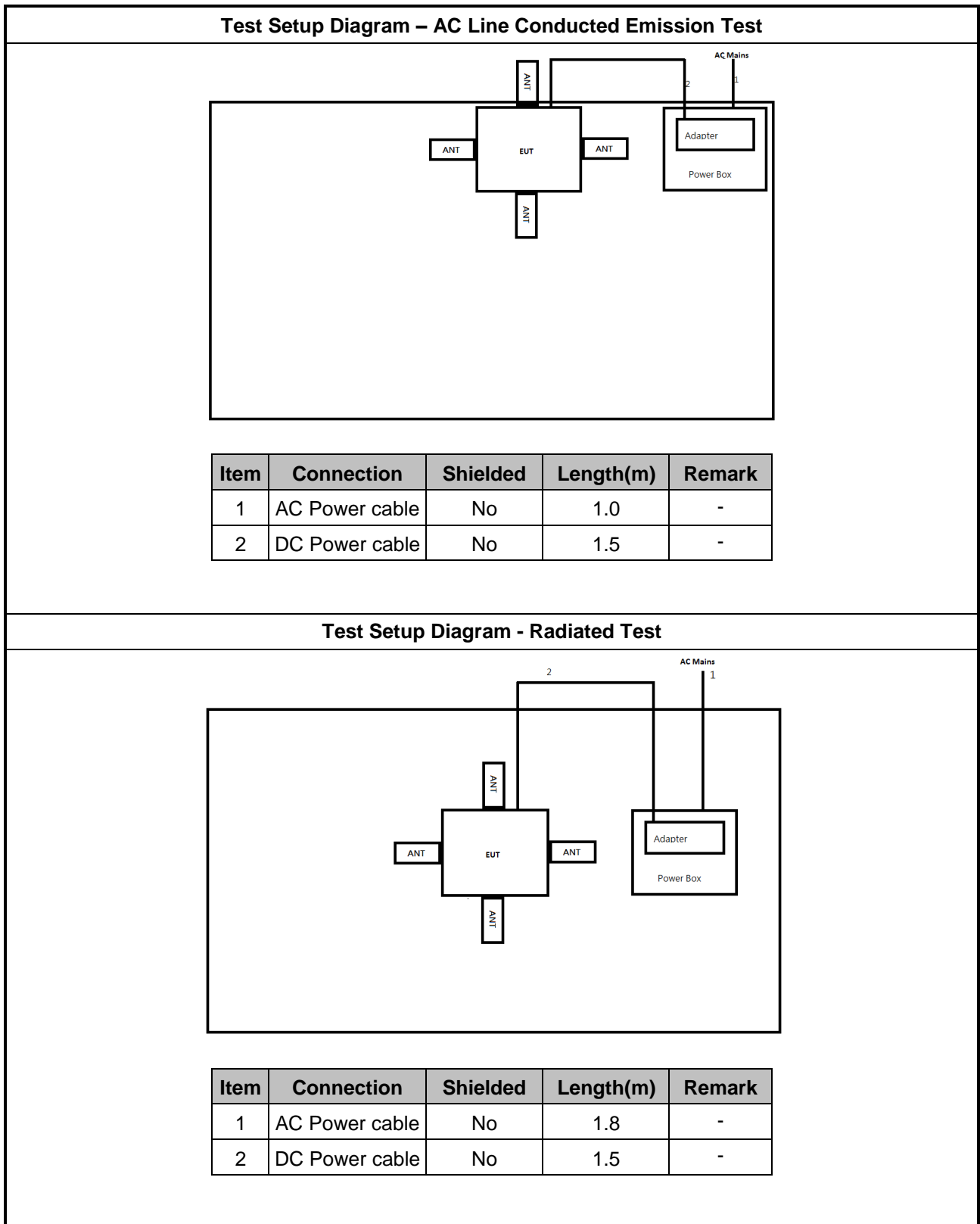
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power sync	PW-GPC180-3	-	-
2	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer
4	PoE Adapter	SENAO	EPA5006GPR	-	Provided by Customer
5	Client For BF	Fortinet	FAP-231G	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power sync	PW-GPC180-3	-	-
2	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer
3	Client	SENAO	FortiAP-231G	-	Provided by Customer
4	Notebook	HP	5220M	-	Remote

Support Equipment – Contention Based Protocol					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	Latitude E5550	-	-
2	Notebook(Slave)	HP	HSTNN-I29C	-	-

2.5 Test Setup Diagram





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

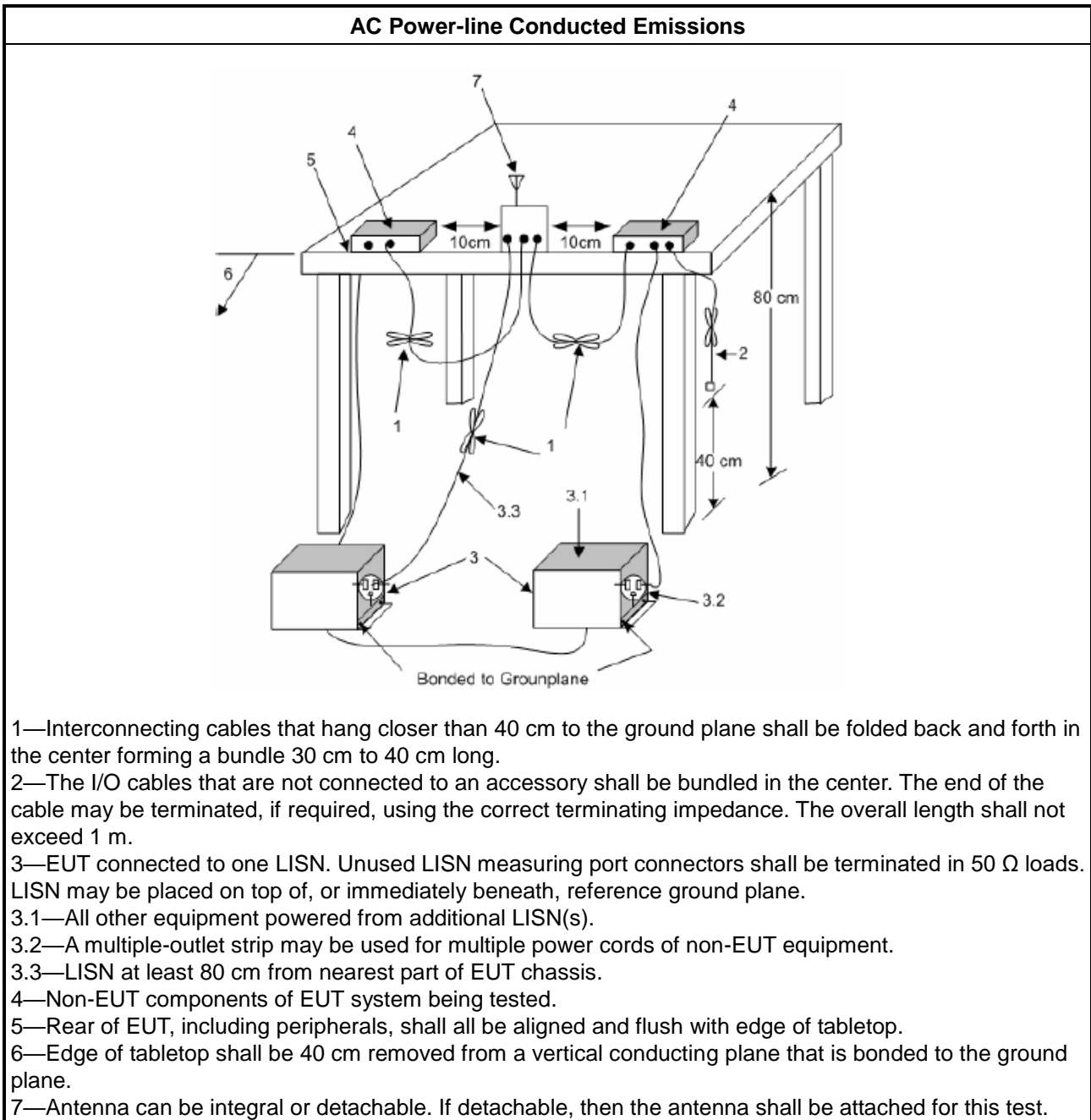
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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

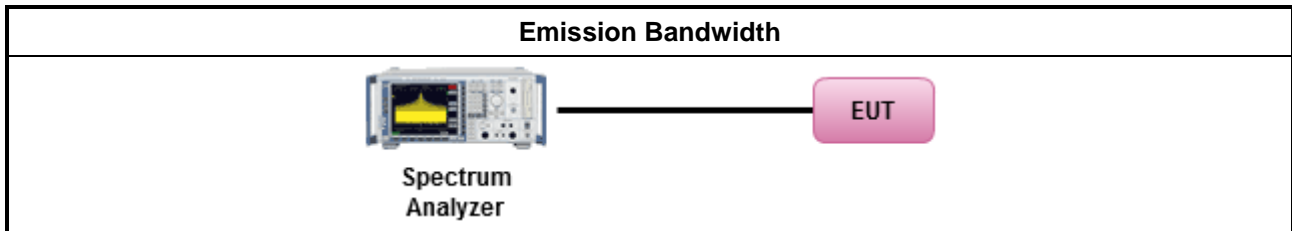
3.2.2 Measuring Instruments

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: <ul style="list-style-type: none"> <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.



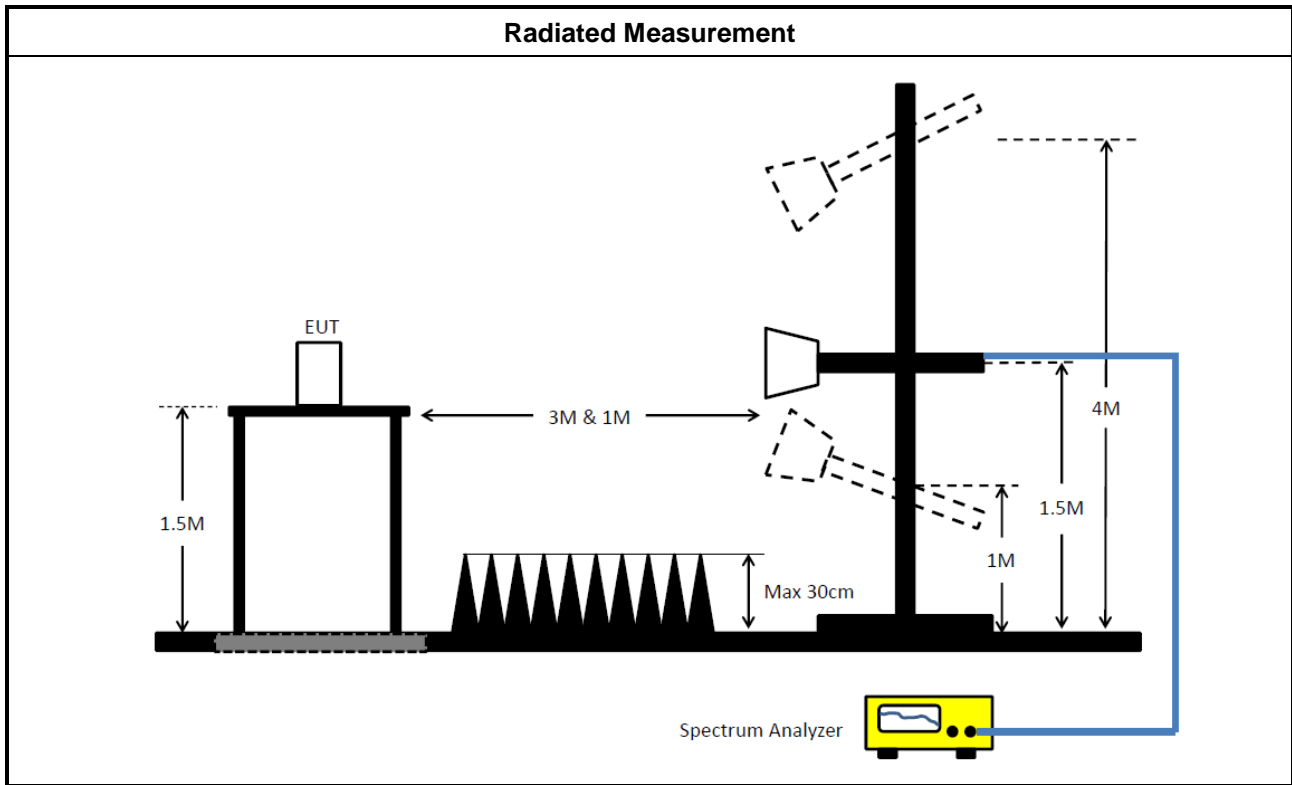
3.3.2 Measuring Instruments

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. 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. Refer as KDB 789033, clause II A.1.F "Antenna-port Conducted versus Radiated Testing" 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"/>	For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
<input type="checkbox"/>	For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
<input type="checkbox"/>	For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
<input type="checkbox"/>	For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
<input type="checkbox"/>	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"/>	For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
<input type="checkbox"/>	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"/>	For standard power access point and fixed client device : e.i.r.p PSD < 23 dBm/MHz.
<input type="checkbox"/>	For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
<input type="checkbox"/>	For subordinate device control of an indoor access point : e.i.r.p PSD < 5 dBm/MHz.
<input type="checkbox"/>	For client device control of a standard power access point : e.i.r.p PSD < 17 dBm/MHz.
<input type="checkbox"/>	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"/>	For indoor access point : e.i.r.p PSD < 5 dBm/MHz.
<input type="checkbox"/>	For client device control of an indoor access point : e.i.r.p PSD < -1 dBm/MHz.

3.4.2 Measuring Instruments

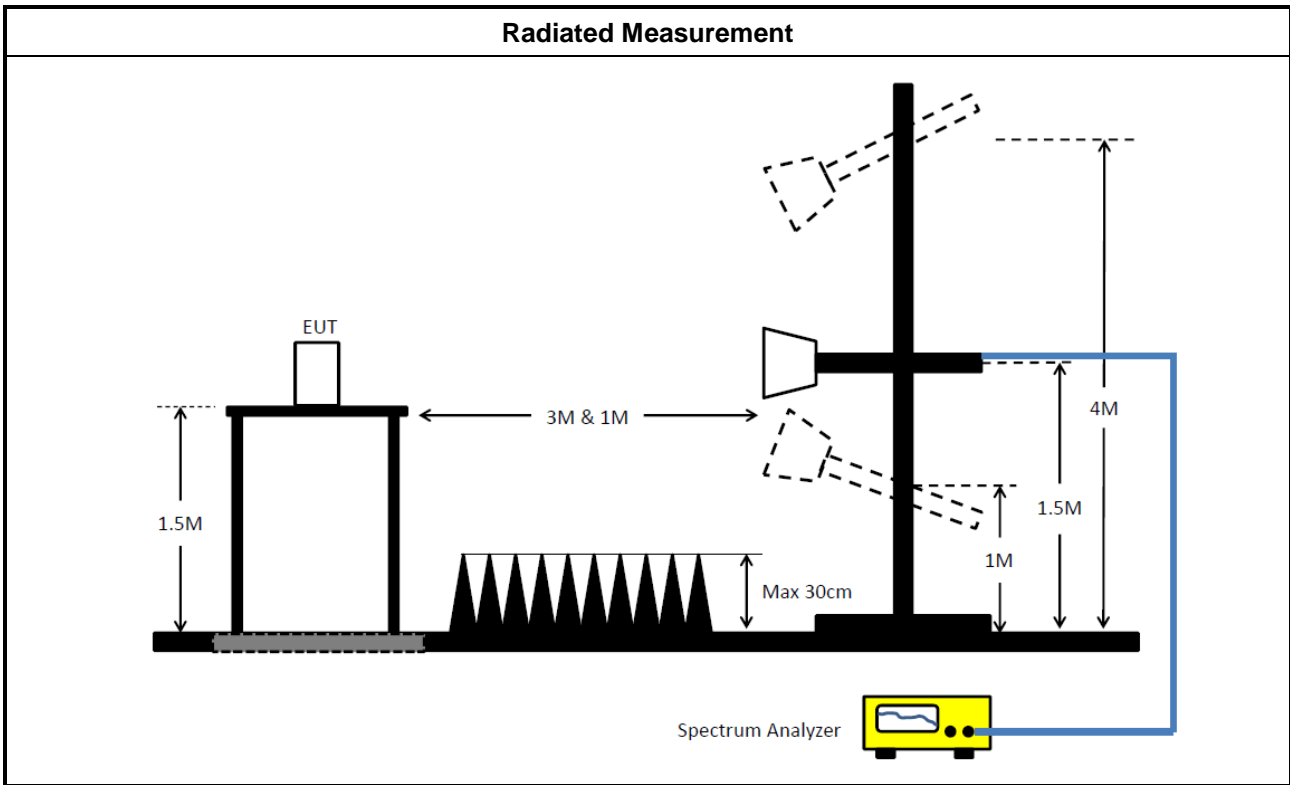
Refer a test equipment and calibration data table in this test report.



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, F5) 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).

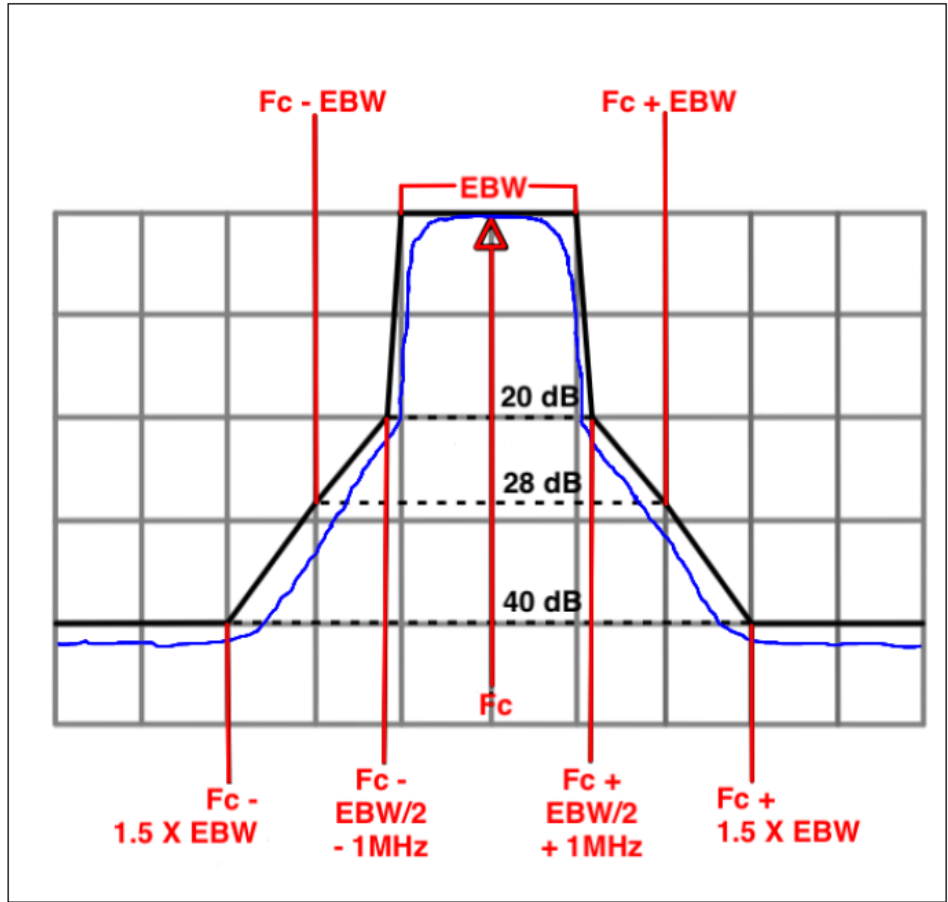
Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, 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- 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 \geq 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). $VBW \geq 1/T$, 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)ii) 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. 	

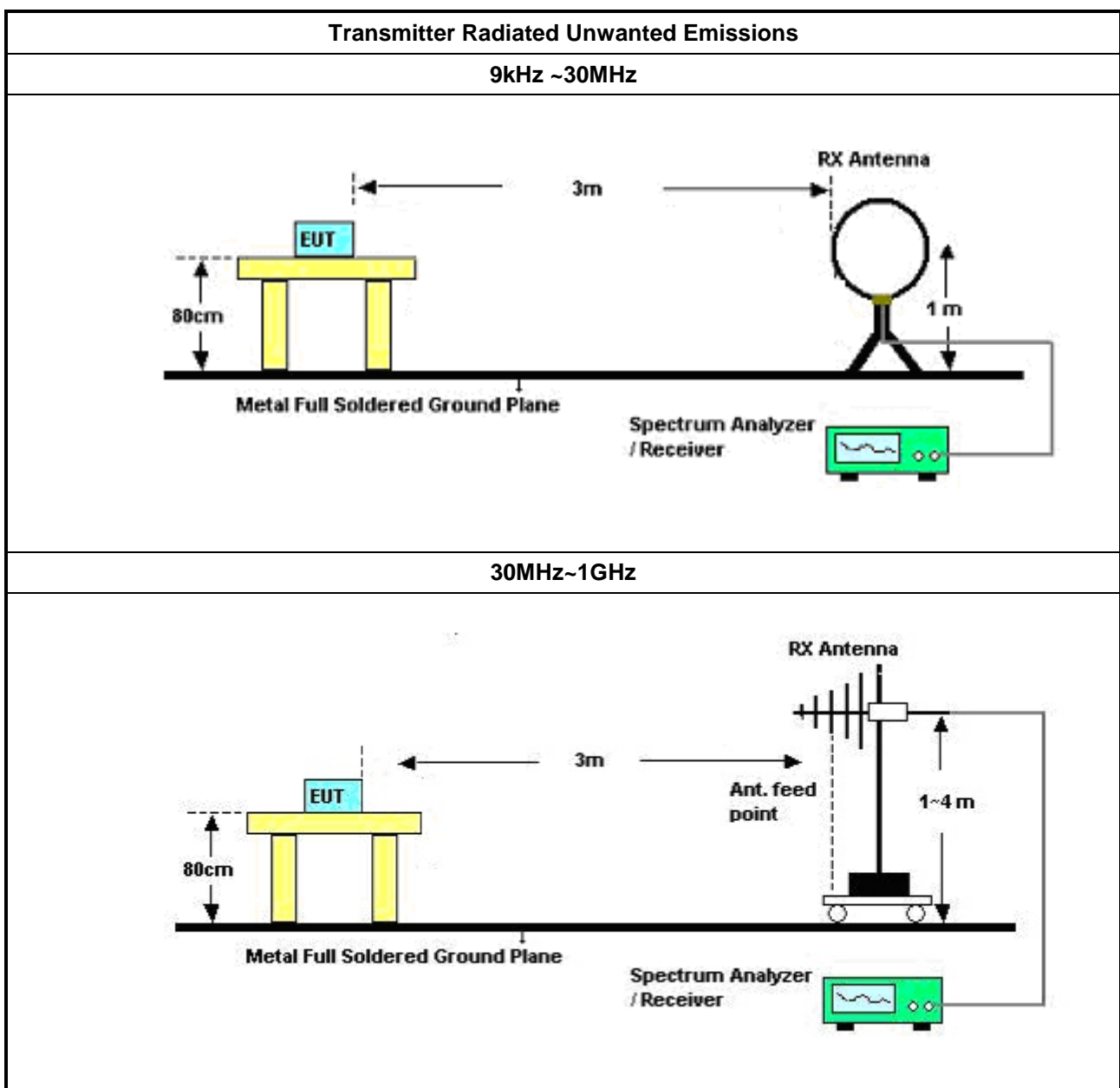
Test Method	
	<ul style="list-style-type: none"> Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

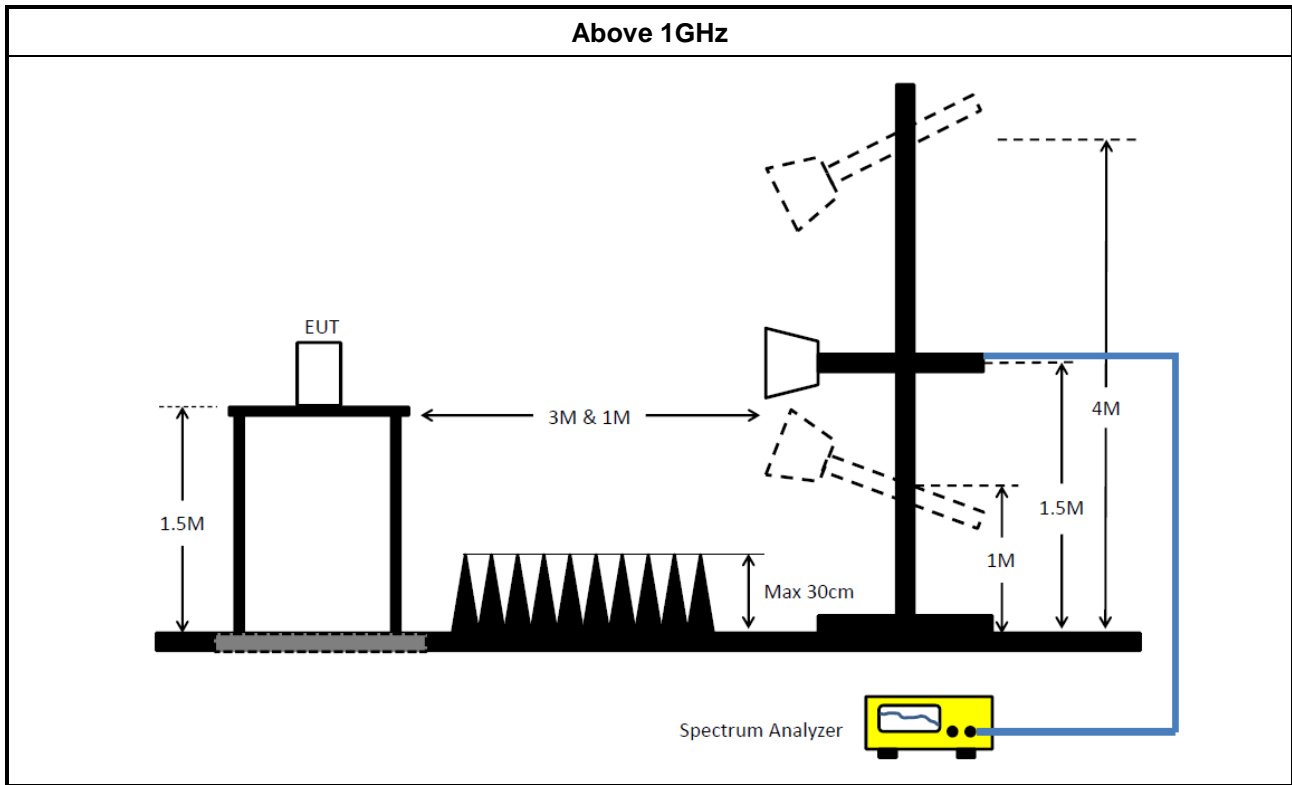
3.5.4 Measurement Results Calculation

The measured Level is calculated using:

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

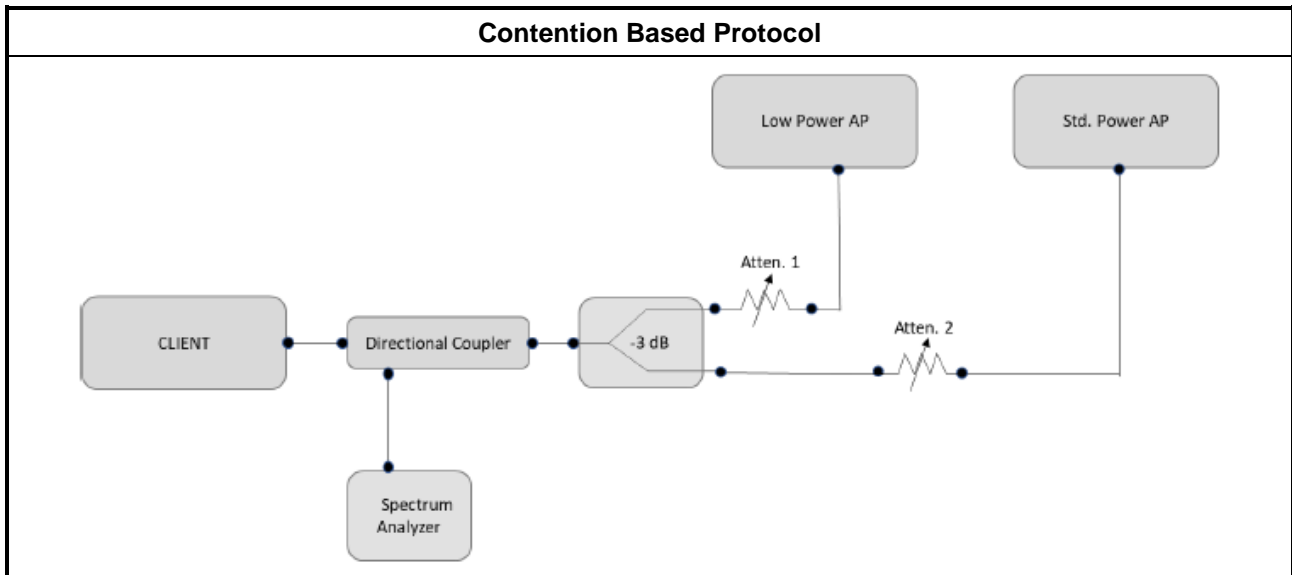
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F

3.7 Frequency Stability

3.7.1 Frequency Stability Limit

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

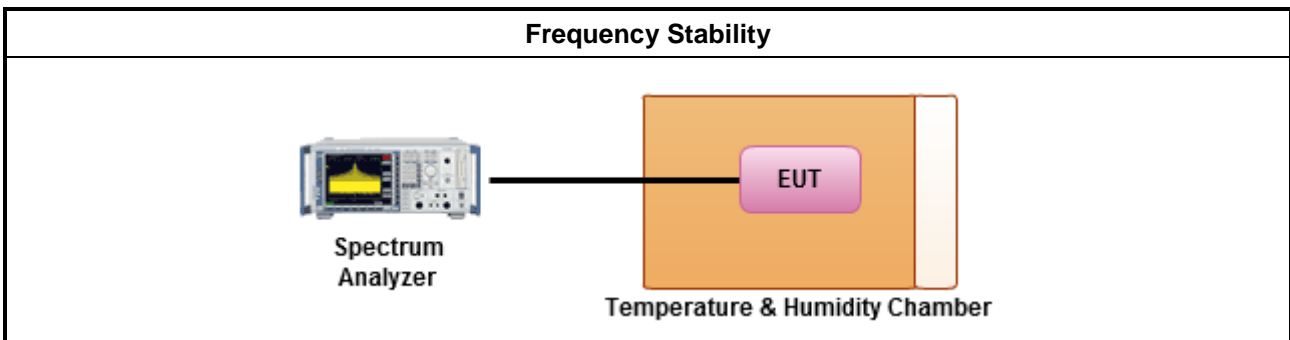
3.7.2 Measuring Instruments

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

3.7.3 Test Procedures

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

3.7.4 Test Setup



3.7.5 Test Result of Frequency Stability

Refer as Appendix G



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	26/Oct/2021	25/Oct/2022
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	01/Apr/2022	31/Mar/2023
Programmable Temp. & Humi. Chamber	Giant Force	GTH-225-20-SP-SD	MAA1112-007	-20~100°C	19/May/2022	18/May/2023
SMR 40 Signal Generator	R&S	SMR 40	100116	10 MHz ~10GHz	11/Jan/2022	10/Jan/2023
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	21/Feb/2022	20/Feb/2023
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	21/Feb/2022	20/Feb/2023
SENSE-15407_NII	Sporton	V5.10.8.3	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	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Microwave System Preamplifier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
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	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	13/May/2022	12/May/2023
SENSE-15407_NII	Sporton	V5.10.8.7.3	N/A	N/A	N/A	N/A

**Instrument for Radiated for Co-location Test**

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	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Microwave System Prempfier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempfier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	V5.10.8.3	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
Vector Signal Generator	R&S	SMU200A	102098	100kHz~6GHz	26/Apr/2022	25/Apr/2023
Spectrum Analyzer	R&S	FSP30	100793	9 kHz ~ 30GHz	13/Jun/2022	12/Jun/2023
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



Summary

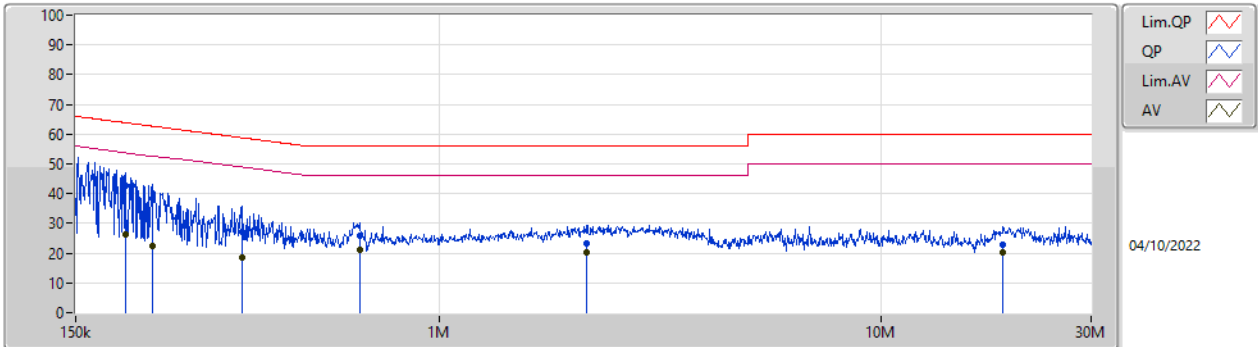
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	189.08k	42.94	64.07	-21.13	Neutral



Result

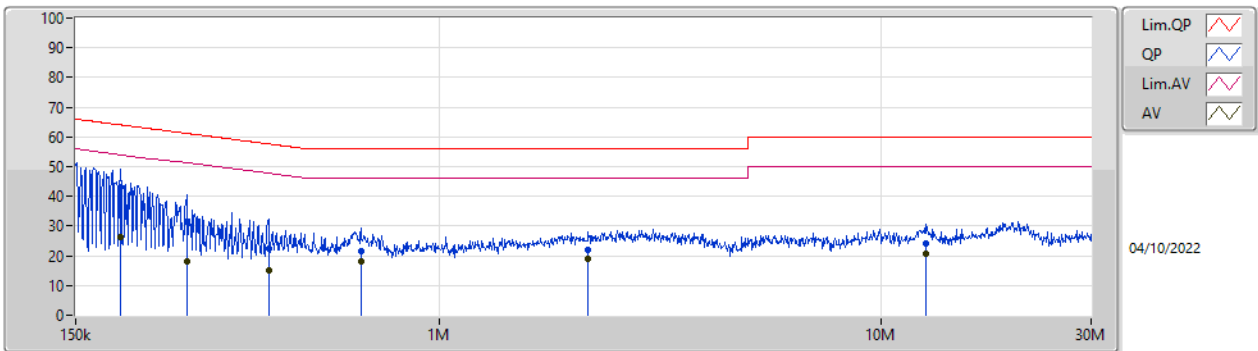
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	194.439k	42.49	63.84	-21.35	Line	-
Mode 1	Pass	AV	194.439k	26.39	53.84	-27.45	Line	-
Mode 1	Pass	QP	223.595k	38.34	62.69	-24.35	Line	-
Mode 1	Pass	AV	223.595k	22.57	52.69	-30.12	Line	-
Mode 1	Pass	QP	358.13k	27.20	58.77	-31.57	Line	-
Mode 1	Pass	AV	358.13k	18.38	48.77	-30.39	Line	-
Mode 1	Pass	QP	659.627k	25.80	56.00	-30.20	Line	-
Mode 1	Pass	AV	659.627k	21.27	46.00	-24.73	Line	-
Mode 1	Pass	QP	2.15M	23.38	56.00	-32.62	Line	-
Mode 1	Pass	AV	2.15M	20.44	46.00	-25.56	Line	-
Mode 1	Pass	QP	18.939M	22.88	60.00	-37.12	Line	-
Mode 1	Pass	AV	18.939M	20.07	50.00	-29.93	Line	-
Mode 1	Pass	QP	189.08k	42.94	64.07	-21.13	Neutral	-
Mode 1	Pass	AV	189.08k	26.21	54.07	-27.86	Neutral	-
Mode 1	Pass	QP	267.596k	31.28	61.20	-29.92	Neutral	-
Mode 1	Pass	AV	267.596k	18.14	51.20	-33.06	Neutral	-
Mode 1	Pass	QP	410.192k	22.21	57.64	-35.43	Neutral	-
Mode 1	Pass	AV	410.192k	14.94	47.64	-32.70	Neutral	-
Mode 1	Pass	QP	664.915k	21.71	56.00	-34.29	Neutral	-
Mode 1	Pass	AV	664.915k	17.98	46.00	-28.02	Neutral	-
Mode 1	Pass	QP	2.176M	21.91	56.00	-34.09	Neutral	-
Mode 1	Pass	AV	2.176M	19.05	46.00	-26.95	Neutral	-
Mode 1	Pass	QP	12.705M	23.98	60.00	-36.02	Neutral	-
Mode 1	Pass	AV	12.705M	20.75	50.00	-29.25	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	194.439k	42.49	63.84	-21.35	19.63	Line	-	22.86	9.69	0.03	9.91
AV	194.439k	26.39	53.84	-27.45	19.63	Line	-	6.76	9.69	0.03	9.91
QP	223.595k	38.34	62.69	-24.35	19.63	Line	-	18.71	9.69	0.03	9.91
AV	223.595k	22.57	52.69	-30.12	19.63	Line	-	2.94	9.69	0.03	9.91
QP	358.13k	27.20	58.77	-31.57	19.63	Line	-	7.57	9.68	0.04	9.91
AV	358.13k	18.38	48.77	-30.39	19.63	Line	-	-1.25	9.68	0.04	9.91
QP	659.627k	25.80	56.00	-30.20	19.65	Line	-	6.15	9.68	0.05	9.92
AV	659.627k	21.27	46.00	-24.73	19.65	Line	-	1.62	9.68	0.05	9.92
QP	2.15M	23.38	56.00	-32.62	19.71	Line	-	3.67	9.70	0.09	9.92
AV	2.15M	20.44	46.00	-25.56	19.71	Line	-	0.73	9.70	0.09	9.92
QP	18.939M	22.88	60.00	-37.12	19.98	Line	-	2.90	9.79	0.26	9.93
AV	18.939M	20.07	50.00	-29.93	19.98	Line	-	0.09	9.79	0.26	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	189.08k	42.94	64.07	-21.13	19.66	Neutral	-	23.28	9.72	0.03	9.91
AV	189.08k	26.21	54.07	-27.86	19.66	Neutral	-	6.55	9.72	0.03	9.91
QP	267.596k	31.28	61.20	-29.92	19.66	Neutral	-	11.62	9.72	0.03	9.91
AV	267.596k	18.14	51.20	-33.06	19.66	Neutral	-	-1.52	9.72	0.03	9.91
QP	410.192k	22.21	57.64	-35.43	19.67	Neutral	-	2.54	9.72	0.04	9.91
AV	410.192k	14.94	47.64	-32.70	19.67	Neutral	-	-4.73	9.72	0.04	9.91
QP	664.915k	21.71	56.00	-34.29	19.70	Neutral	-	2.01	9.73	0.05	9.92
AV	664.915k	17.98	46.00	-28.02	19.70	Neutral	-	-1.72	9.73	0.05	9.92
QP	2.176M	21.91	56.00	-34.09	19.75	Neutral	-	2.16	9.74	0.09	9.92
AV	2.176M	19.05	46.00	-26.95	19.75	Neutral	-	-0.70	9.74	0.09	9.92
QP	12.705M	23.98	60.00	-36.02	20.07	Neutral	-	3.91	9.92	0.22	9.93
AV	12.705M	20.75	50.00	-29.25	20.07	Neutral	-	0.68	9.92	0.22	9.93



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.73M	16.672M	16M7D1D	19.98M	16.612M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.17M	19.13M	19M2D1D	21.75M	19.1M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.68M	37.841M	37M9D1D	40.26M	37.721M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.68M	77.481M	77M5D1D	81.96M	77.121M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.88M	155.202M	155MD1D	163.68M	154.483M
6.425-6.525GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.7M	16.672M	16M7D1D	20.07M	16.582M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.17M	19.13M	19M2D1D	21.78M	19.07M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.62M	37.841M	37M9D1D	40.26M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.44M	77.481M	77M5D1D	82.08M	77.241M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.88M	155.202M	155MD1D	164.64M	155.202M
6.525-6.875GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.37M	16.672M	16M7D1D	19.83M	16.582M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.14M	19.16M	19M2D1D	21.66M	19.1M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.56M	37.841M	37M9D1D	40.08M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	83.04M	77.601M	77M7D1D	81.84M	77.121M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.88M	155.202M	155MD1D	164.16M	154.963M
6.875-7.125GHz	-	-	-	-	-
802.11a_Nss1,(6Mbps)_2TX	20.94M	16.672M	16M7D1D	20.07M	16.582M
802.11ax HEW20_Nss1,(MCS0)_2TX	22.14M	19.16M	19M2D1D	21.54M	19.1M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.68M	37.901M	38M0D1D	40.38M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.56M	77.601M	77M7D1D	82.08M	77.361M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.16M	154.963M	155MD1D	163.92M	154.723M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	20.22M	16.642M	20.49M	16.612M
6175MHz	Pass	Inf	20.73M	16.672M	19.98M	16.612M
6415MHz	Pass	Inf	20.61M	16.672M	20.34M	16.612M
6435MHz	Pass	Inf	20.7M	16.672M	20.46M	16.612M
6475MHz	Pass	Inf	20.52M	16.672M	20.52M	16.612M
6515MHz	Pass	Inf	20.7M	16.672M	20.07M	16.582M
6535MHz	Pass	Inf	20.31M	16.672M	20.07M	16.582M
6695MHz	Pass	Inf	20.22M	16.672M	20.28M	16.612M
6855MHz	Pass	Inf	20.31M	16.642M	19.95M	16.612M
6875MHz	Pass	Inf	20.37M	16.642M	19.83M	16.582M
6895MHz	Pass	Inf	20.25M	16.672M	20.22M	16.612M
6995MHz	Pass	Inf	20.25M	16.642M	20.07M	16.582M
7095MHz	Pass	Inf	20.49M	16.642M	20.07M	16.612M
7115MHz	Pass	Inf	20.94M	16.672M	20.52M	16.612M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	21.75M	19.13M	22.02M	19.1M
6175MHz	Pass	Inf	21.9M	19.13M	22.08M	19.1M
6415MHz	Pass	Inf	22.17M	19.13M	21.78M	19.1M
6435MHz	Pass	Inf	22.05M	19.1M	21.87M	19.1M
6475MHz	Pass	Inf	22.17M	19.07M	21.78M	19.1M
6515MHz	Pass	Inf	21.81M	19.13M	22.08M	19.13M
6535MHz	Pass	Inf	21.96M	19.1M	21.81M	19.1M
6695MHz	Pass	Inf	21.66M	19.13M	21.75M	19.13M
6855MHz	Pass	Inf	21.93M	19.13M	22.14M	19.13M
6875MHz	Pass	Inf	21.75M	19.16M	21.75M	19.1M
6895MHz	Pass	Inf	22.14M	19.13M	21.57M	19.1M
6995MHz	Pass	Inf	22.02M	19.13M	21.54M	19.13M
7095MHz	Pass	Inf	21.81M	19.1M	22.11M	19.1M
7115MHz	Pass	Inf	21.66M	19.13M	21.57M	19.16M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	40.32M	37.781M	40.38M	37.721M
6165MHz	Pass	Inf	40.44M	37.781M	40.26M	37.781M
6405MHz	Pass	Inf	40.5M	37.841M	40.68M	37.721M
6445MHz	Pass	Inf	40.44M	37.841M	40.26M	37.841M
6485MHz	Pass	Inf	40.5M	37.781M	40.62M	37.841M
6525MHz	Pass	Inf	40.5M	37.841M	40.5M	37.841M
6565MHz	Pass	Inf	40.32M	37.781M	40.08M	37.841M
6685MHz	Pass	Inf	40.56M	37.841M	40.44M	37.841M
6845MHz	Pass	Inf	40.5M	37.781M	40.32M	37.841M
6885MHz	Pass	Inf	40.56M	37.841M	40.38M	37.841M
6925MHz	Pass	Inf	40.38M	37.841M	40.56M	37.901M
7005MHz	Pass	Inf	40.44M	37.901M	40.68M	37.781M
7085MHz	Pass	Inf	40.5M	37.781M	40.5M	37.781M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	82.08M	77.241M	82.08M	77.121M
6145MHz	Pass	Inf	82.68M	77.361M	81.96M	77.361M
6385MHz	Pass	Inf	82.08M	77.481M	81.96M	77.241M
6465MHz	Pass	Inf	82.32M	77.481M	82.44M	77.361M
6545MHz	Pass	Inf	82.32M	77.241M	82.08M	77.361M
6625MHz	Pass	Inf	82.44M	77.361M	82.8M	77.481M
6705MHz	Pass	Inf	81.84M	77.241M	82.56M	77.361M
6785MHz	Pass	Inf	82.2M	77.481M	83.04M	77.601M
6865MHz	Pass	Inf	82.08M	77.121M	81.84M	77.241M
6945MHz	Pass	Inf	82.56M	77.361M	82.08M	77.361M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
7025MHz	Pass	Inf	82.56M	77.601M	82.2M	77.481M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	164.16M	154.723M	164.88M	154.483M
6185MHz	Pass	Inf	164.4M	155.202M	164.88M	154.723M
6345MHz	Pass	Inf	164.16M	154.483M	163.68M	154.723M
6505MHz	Pass	Inf	164.64M	155.202M	164.88M	155.202M
6665MHz	Pass	Inf	164.88M	154.963M	164.16M	154.963M
6825MHz	Pass	Inf	164.64M	154.963M	164.88M	155.202M
6985MHz	Pass	Inf	163.92M	154.963M	164.16M	154.723M

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

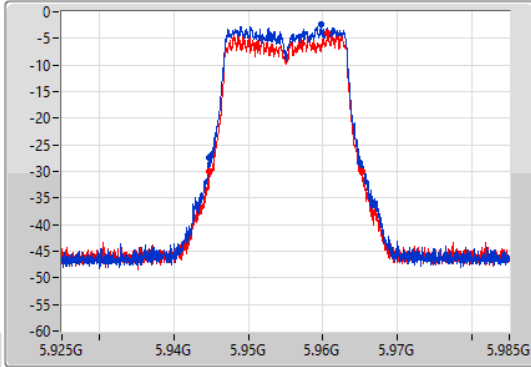
802.11a_Nss1,(6Mbps)_2TX

EBW

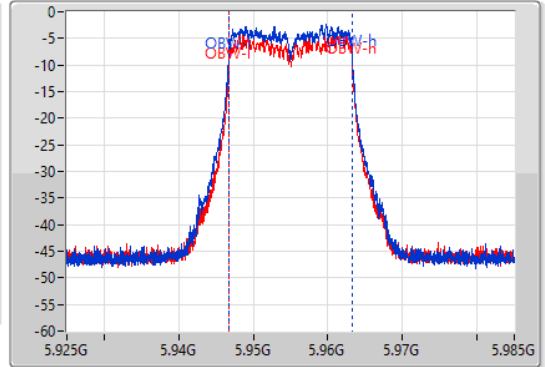
5955MHz

12/10/2022

CF
5.955GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.955GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.22M	5.94471G	5.96493G	16.642M	5.946664G	5.963306G	Inf	1
20.49M	5.94477G	5.96526G	16.612M	5.946724G	5.96336G	Inf	2

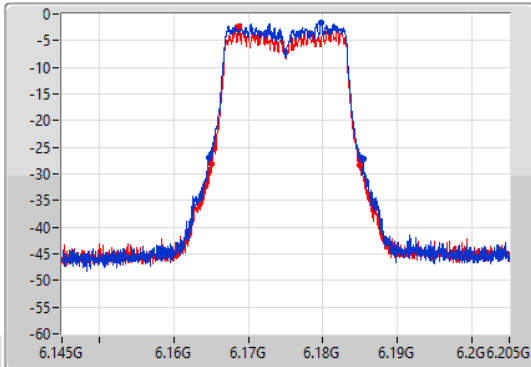
802.11a_Nss1,(6Mbps)_2TX

EBW

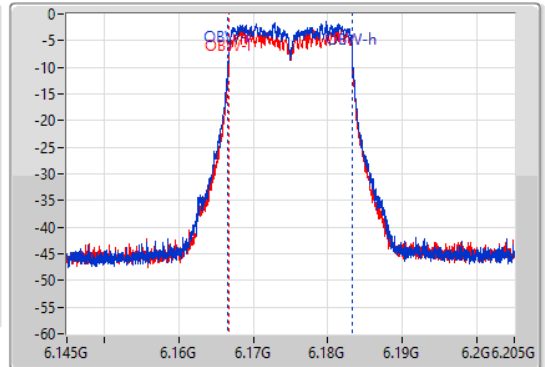
6175MHz

12/10/2022

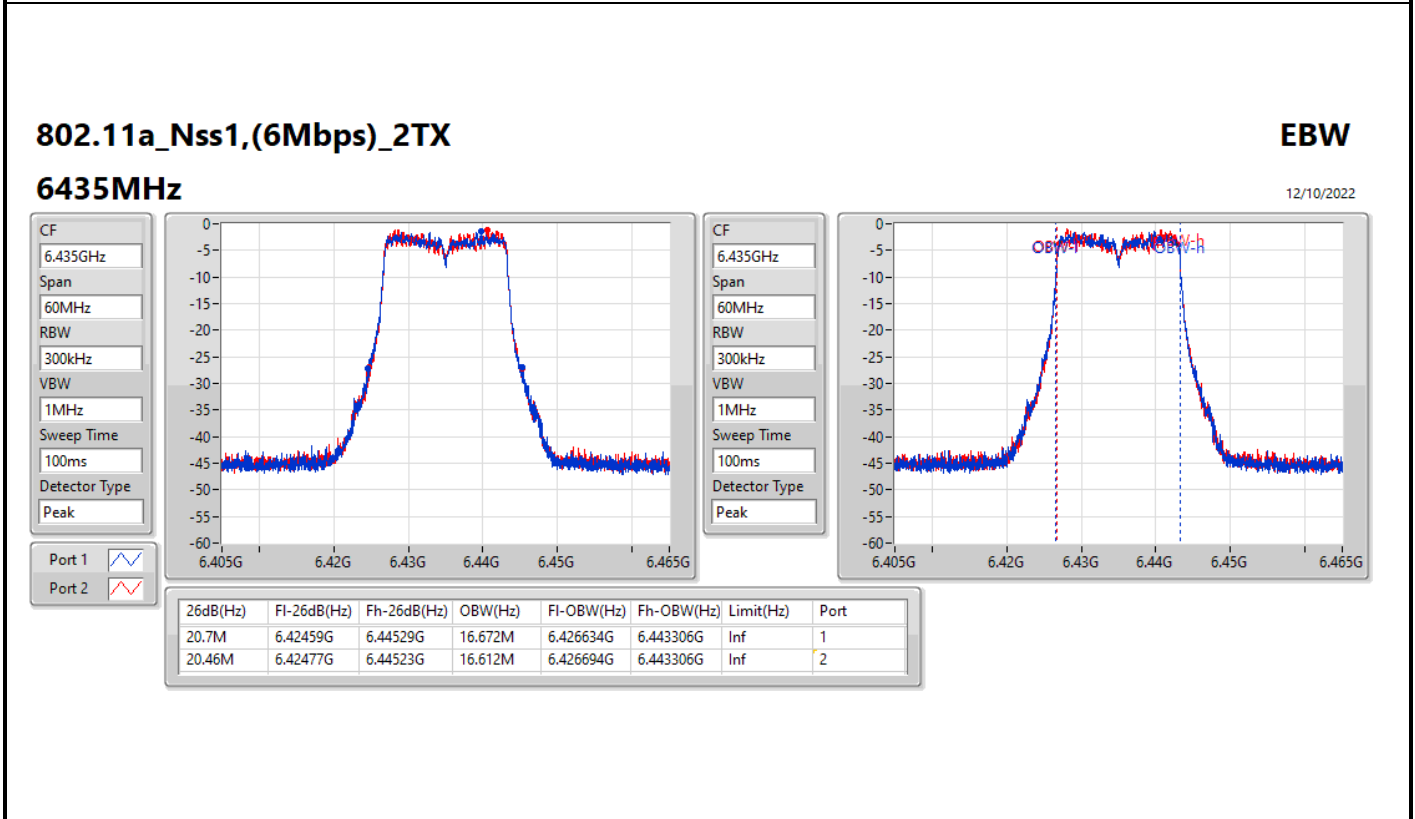
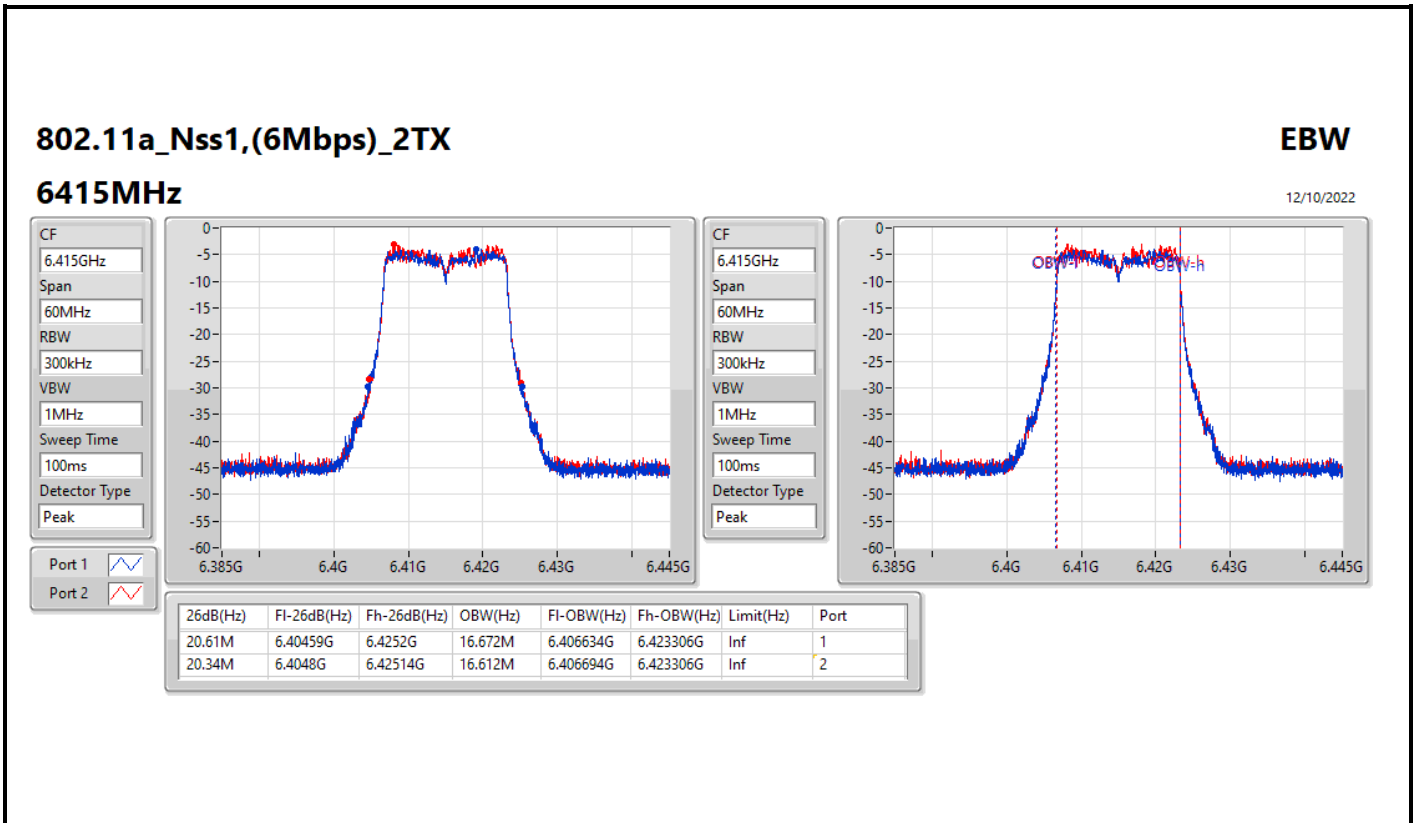
CF
6.175GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.175GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.73M	6.16468G	6.18541G	16.672M	6.166634G	6.183306G	Inf	1
19.98M	6.16501G	6.18499G	16.612M	6.166694G	6.183306G	Inf	2



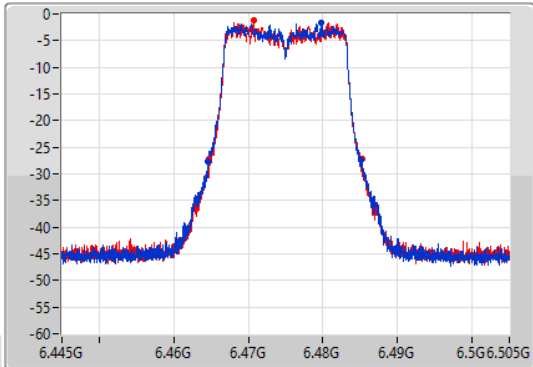
802.11a_Nss1,(6Mbps)_2TX

EBW

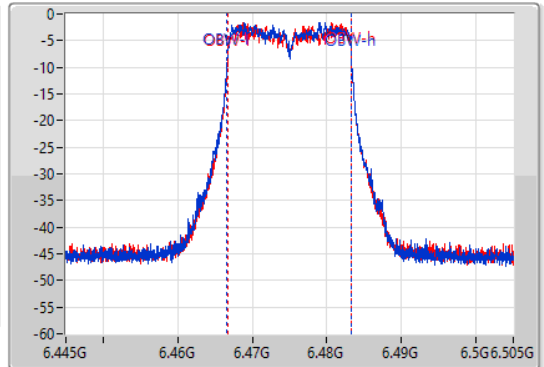
6475MHz

12/10/2022

CF
6.475GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.475GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.52M	6.46462G	6.48514G	16.672M	6.466634G	6.483306G	Inf	1
20.52M	6.46474G	6.48526G	16.612M	6.466694G	6.483306G	Inf	2

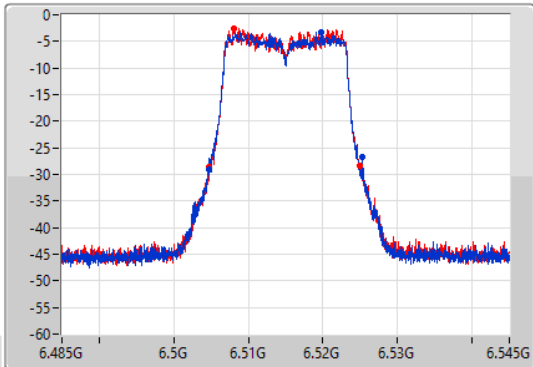
802.11a_Nss1,(6Mbps)_2TX

EBW

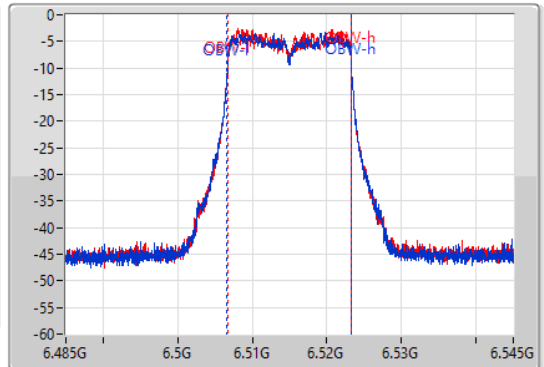
6515MHz

12/10/2022

CF
6.515GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.515GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.7M	6.50465G	6.52535G	16.672M	6.506634G	6.523306G	Inf	1
20.07M	6.5048G	6.52487G	16.582M	6.506694G	6.523276G	Inf	2

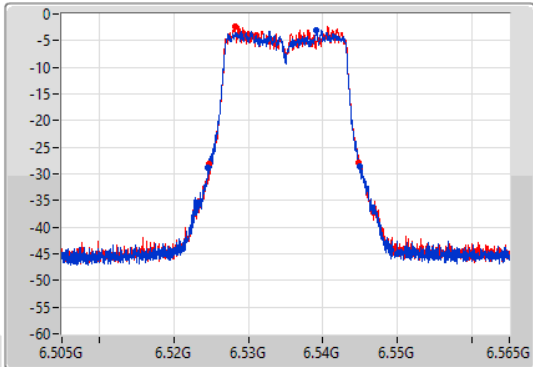
802.11a_Nss1,(6Mbps)_2TX

EBW

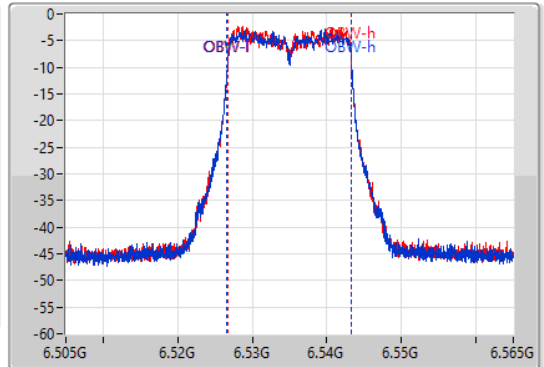
6535MHz

12/10/2022

CF
6.535GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.535GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.31M	6.52462G	6.54493G	16.672M	6.526634G	6.543306G	Inf	1
20.07M	6.52477G	6.54484G	16.582M	6.526694G	6.543276G	Inf	2

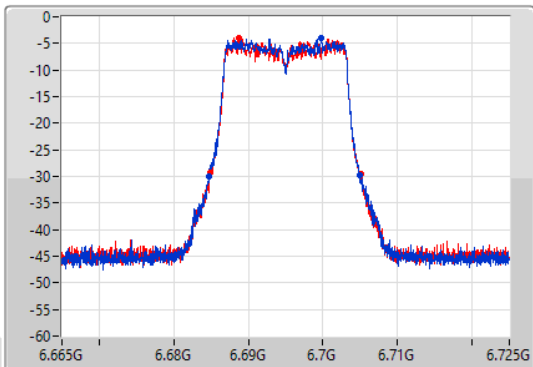
802.11a_Nss1,(6Mbps)_2TX

EBW

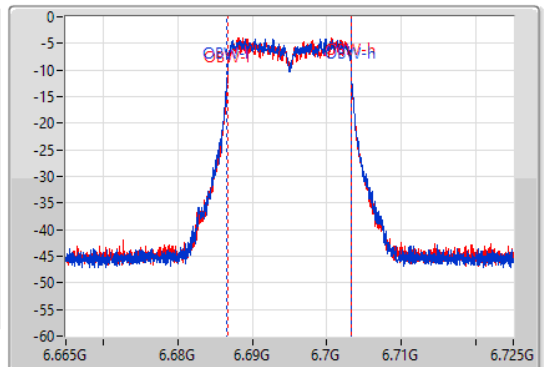
6695MHz

12/10/2022

CF
6.695GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.695GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



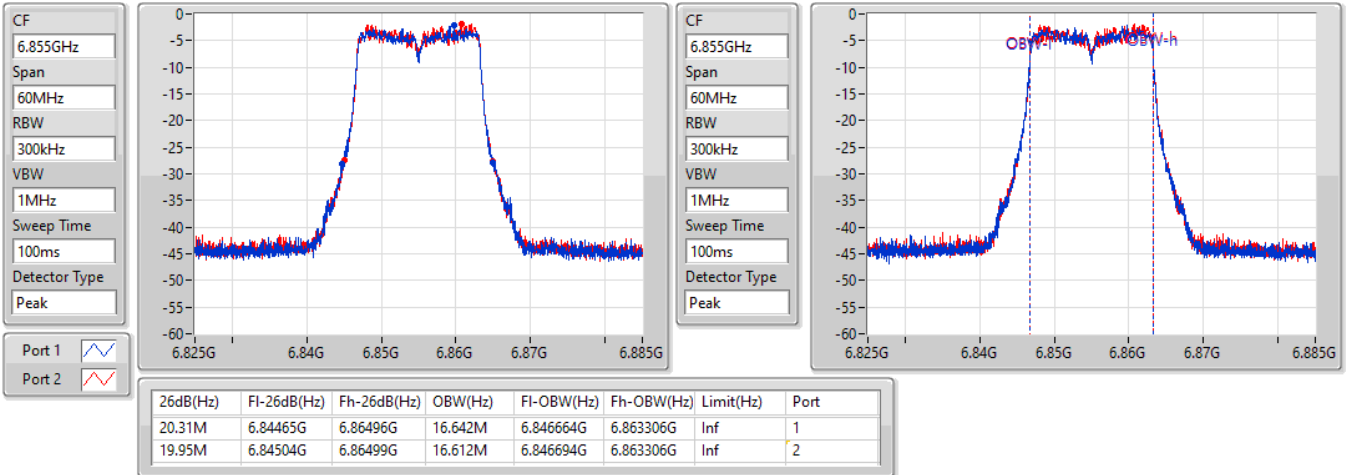
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.22M	6.68468G	6.7049G	16.672M	6.686634G	6.703306G	Inf	1
20.28M	6.68486G	6.70514G	16.612M	6.686694G	6.703306G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

6855MHz

12/10/2022

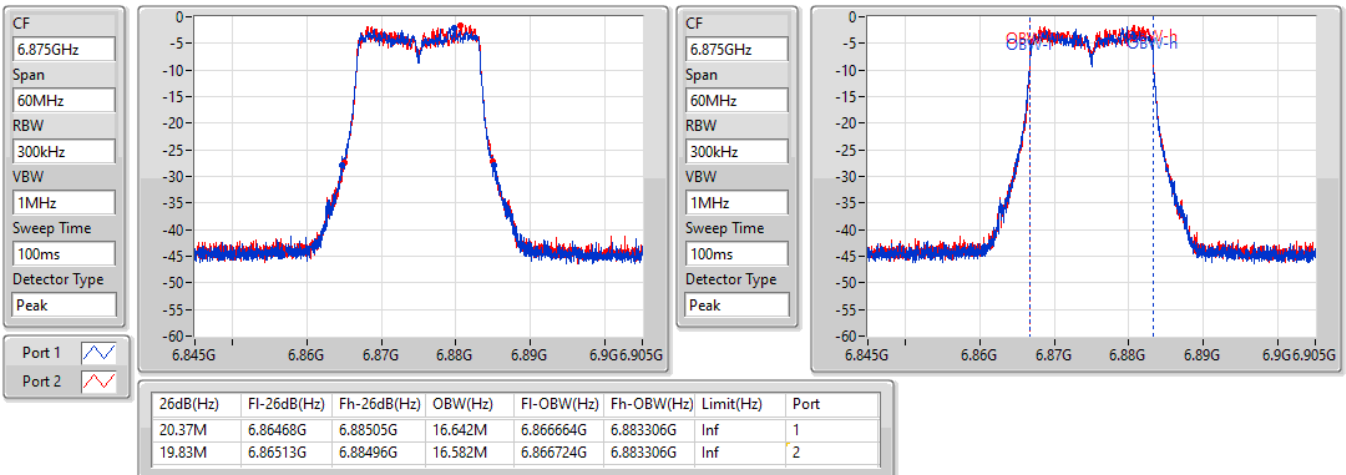


802.11a_Nss1,(6Mbps)_2TX

EBW

6875MHz

12/10/2022



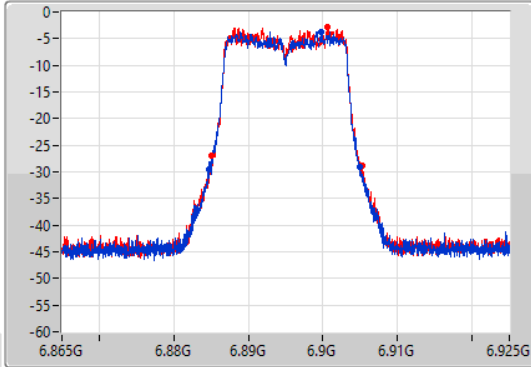
802.11a_Nss1,(6Mbps)_2TX

EBW

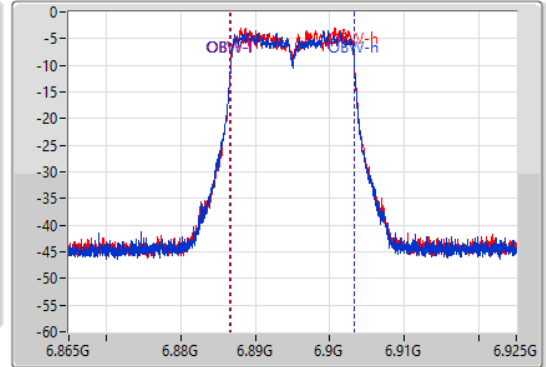
6895MHz

12/10/2022

CF
6.895GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.895GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	6.88465G	6.9049G	16.672M	6.886634G	6.903306G	Inf	1
20.22M	6.88501G	6.90523G	16.612M	6.886694G	6.903306G	Inf	2

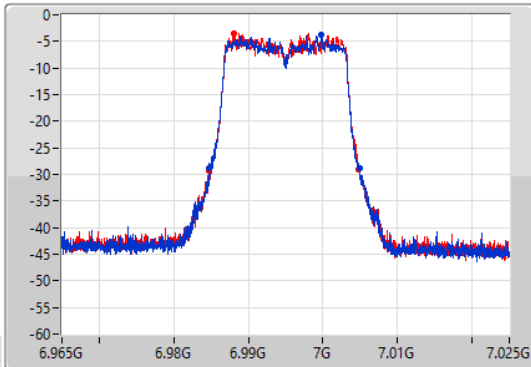
802.11a_Nss1,(6Mbps)_2TX

EBW

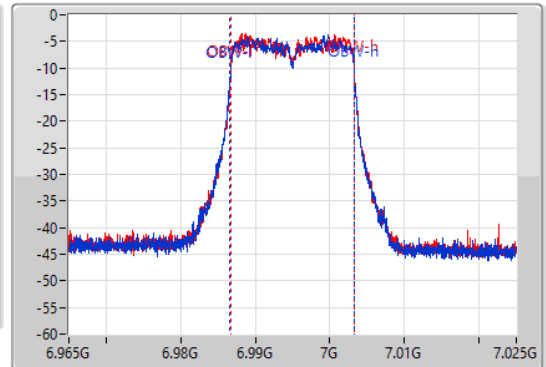
6995MHz

12/10/2022

CF
6.995GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.995GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



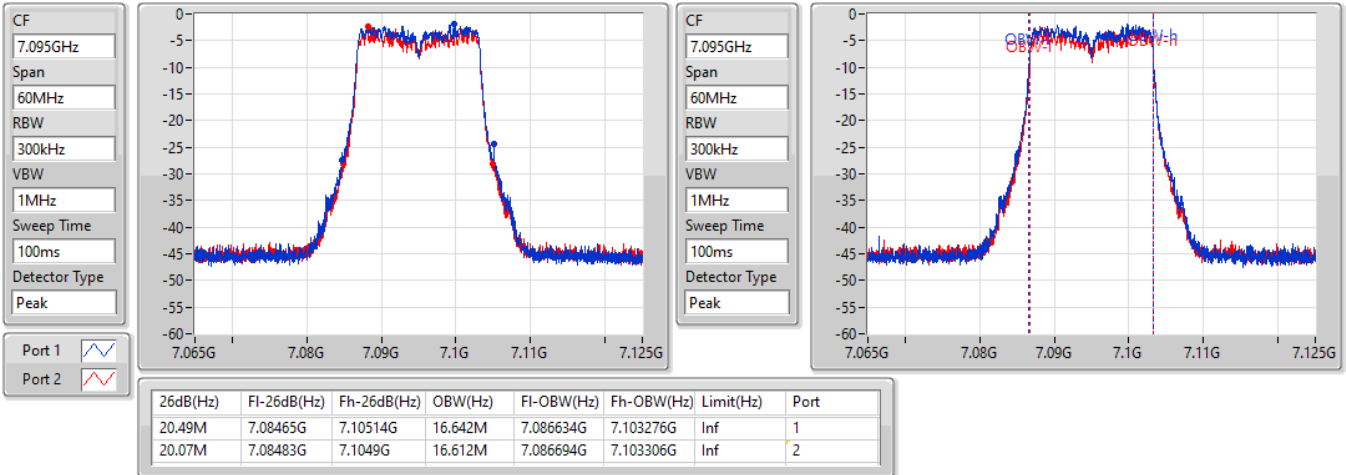
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.25M	6.98468G	7.00493G	16.642M	6.986634G	7.003276G	Inf	1
20.07M	6.98477G	7.00484G	16.582M	6.986694G	7.003276G	Inf	2

802.11a_Nss1,(6Mbps)_2TX

EBW

7095MHz

12/10/2022

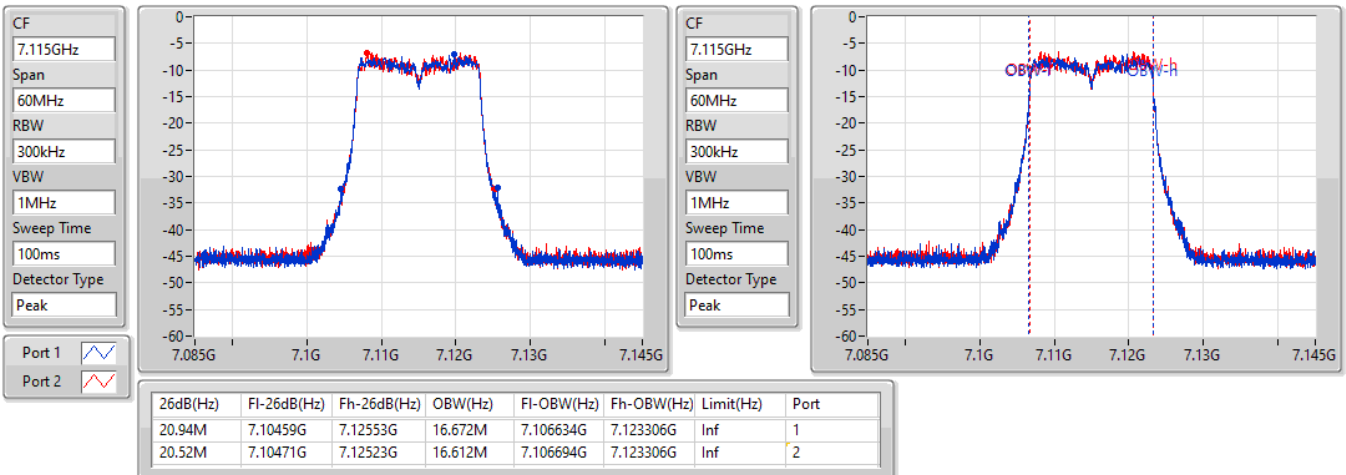


802.11a_Nss1,(6Mbps)_2TX

EBW

7115MHz

12/10/2022



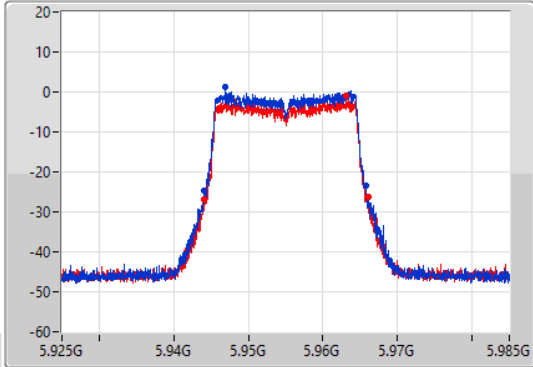
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

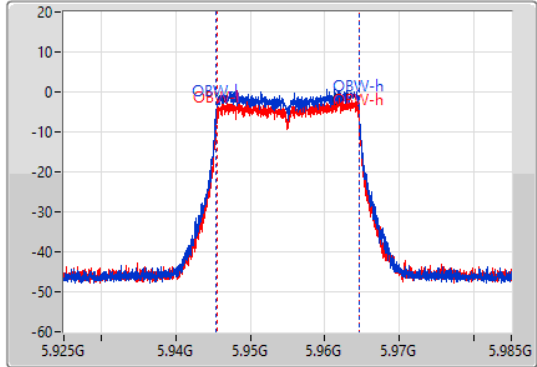
5955MHz

12/10/2022

CF
5.955GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.955GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	5.94402G	5.96577G	19.13M	5.945435G	5.964565G	Inf	1
22.02M	5.94402G	5.96604G	19.1M	5.945495G	5.964595G	Inf	2

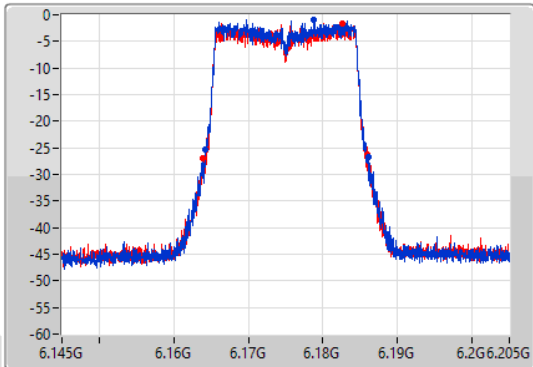
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

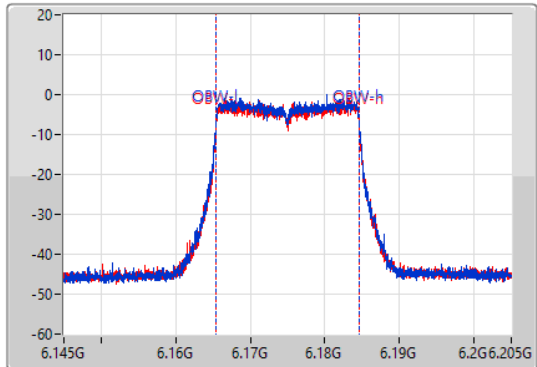
6175MHz

12/10/2022

CF
6.175GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.175GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



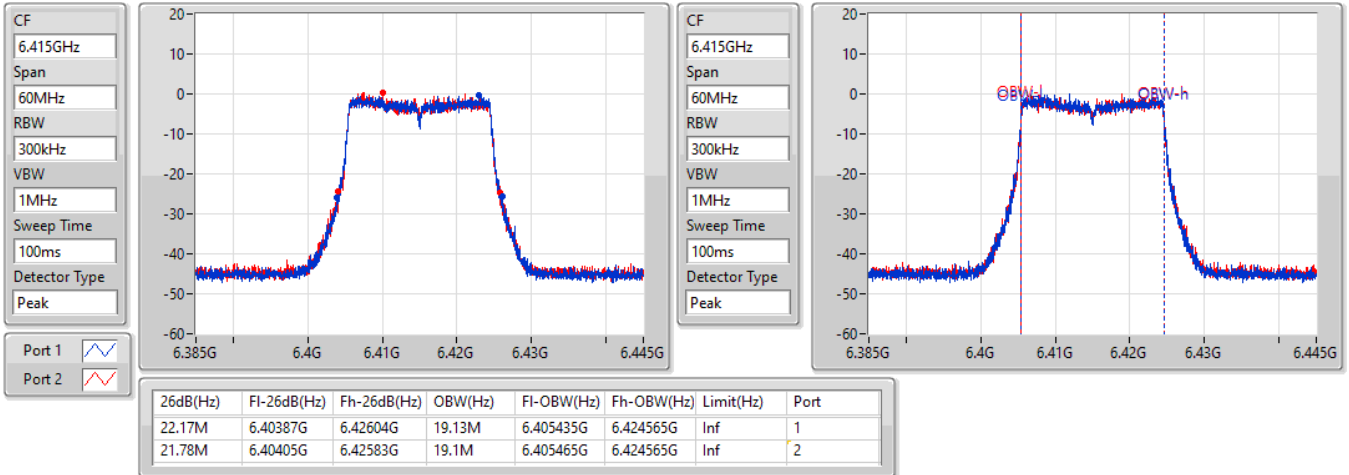
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.9M	6.16417G	6.18607G	19.13M	6.165465G	6.184595G	Inf	1
22.08M	6.1639G	6.18598G	19.1M	6.165465G	6.184565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6415MHz

12/10/2022

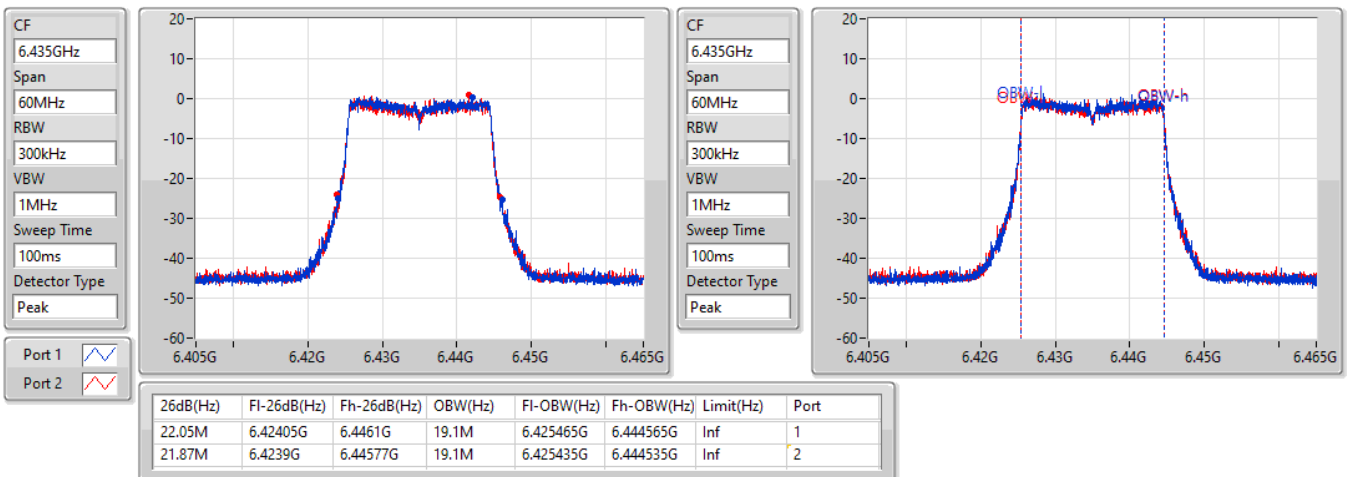


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6435MHz

12/10/2022

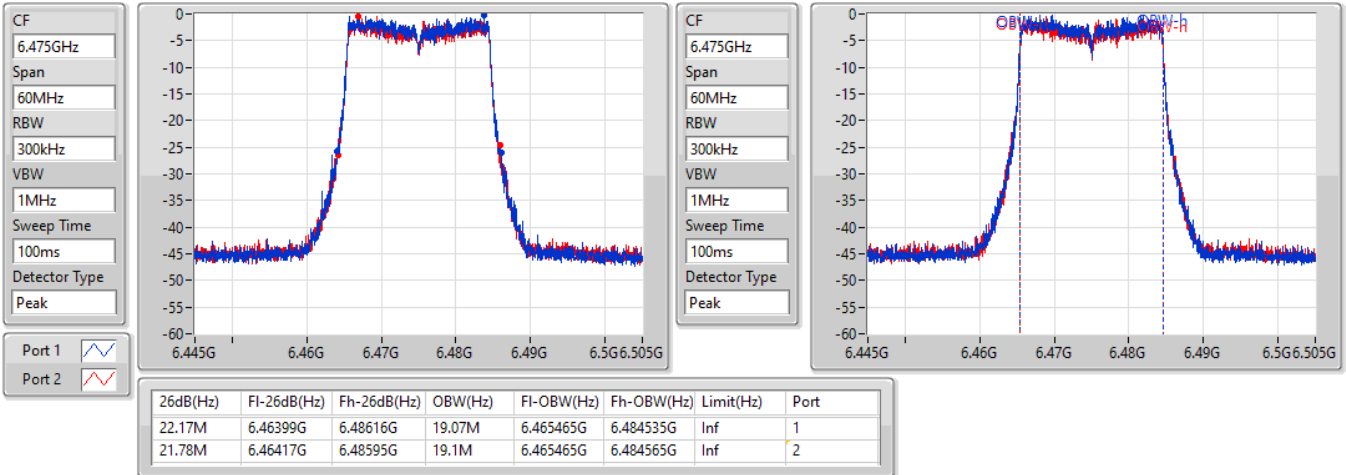


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6475MHz

12/10/2022

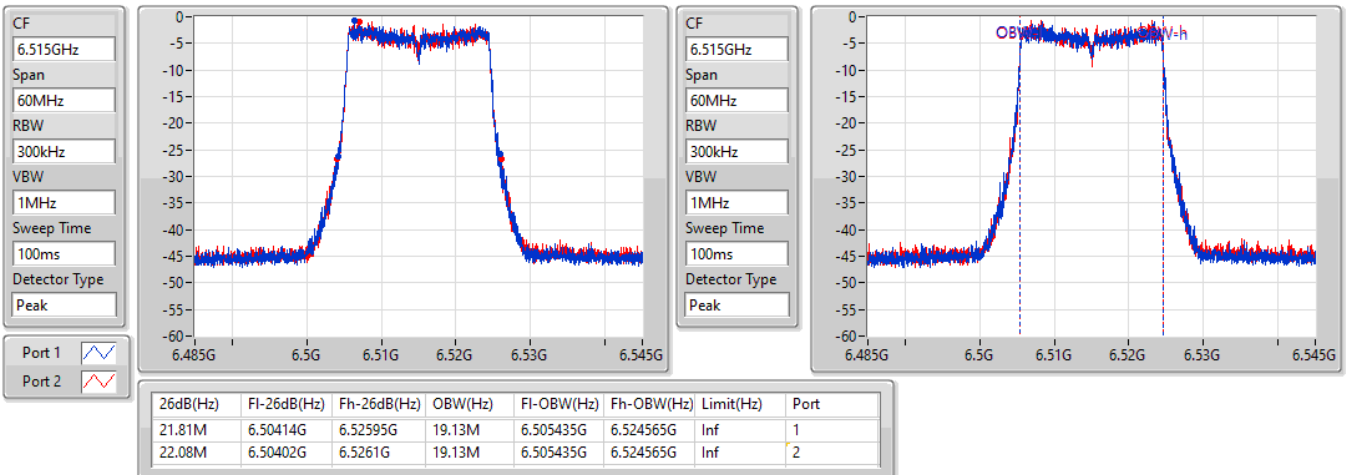


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

6515MHz

12/10/2022



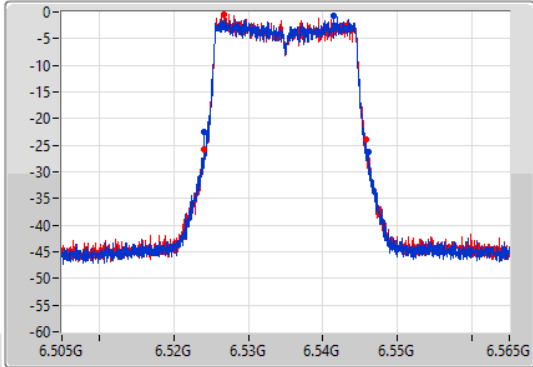
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

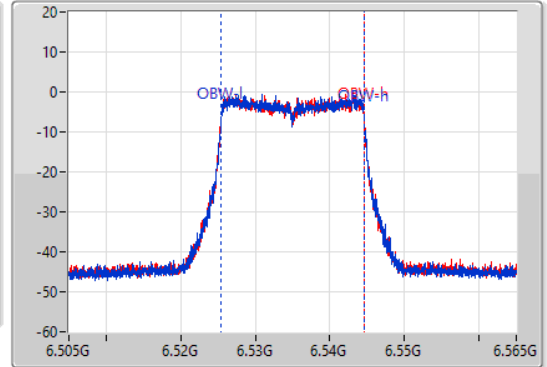
6535MHz

12/10/2022

CF
6.535GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.535GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.96M	6.52408G	6.54604G	19.1M	6.525465G	6.544565G	Inf	1
21.81M	6.52399G	6.5458G	19.1M	6.525465G	6.544565G	Inf	2

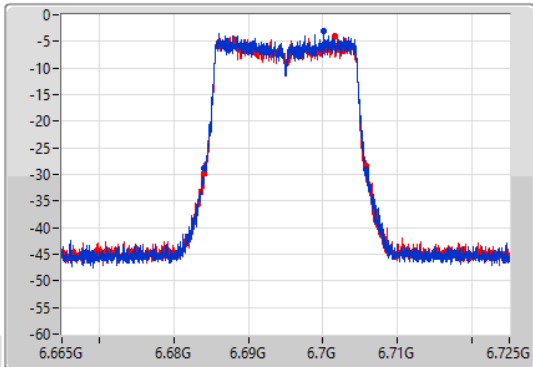
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

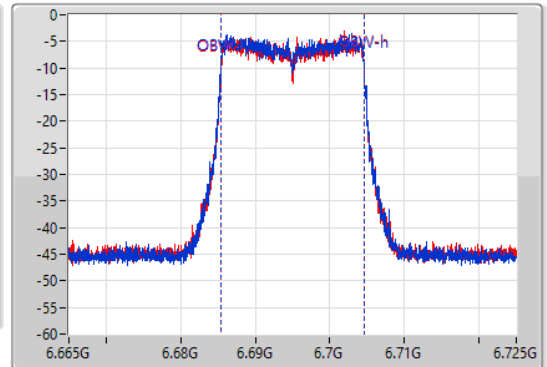
6695MHz

12/10/2022

CF
6.695GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.695GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.66M	6.68411G	6.70577G	19.13M	6.685435G	6.704565G	Inf	1
21.75M	6.68402G	6.70577G	19.13M	6.685435G	6.704565G	Inf	2

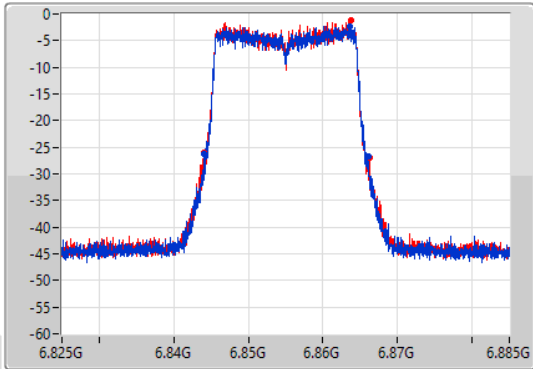
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

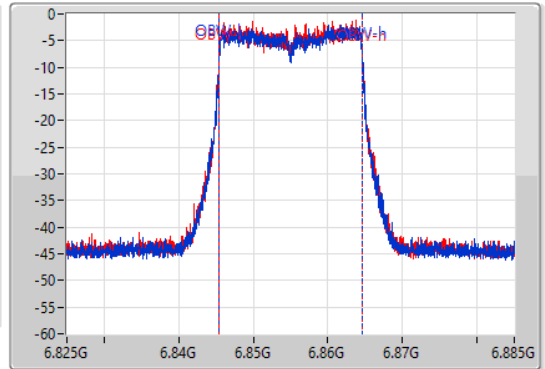
6855MHz

12/10/2022

CF
6.855GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.855GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.93M	6.84411G	6.86604G	19.13M	6.845465G	6.864595G	Inf	1
22.14M	6.84408G	6.86622G	19.13M	6.845465G	6.864595G	Inf	2

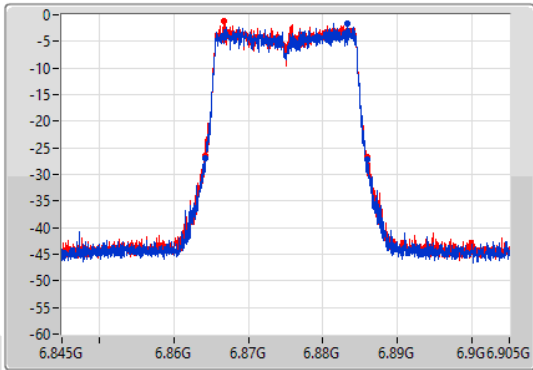
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

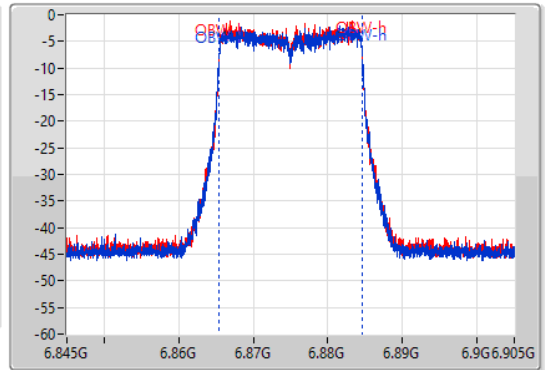
6875MHz

12/10/2022

CF
6.875GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.875GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.75M	6.86417G	6.88592G	19.16M	6.865435G	6.884595G	Inf	1
21.75M	6.86417G	6.88592G	19.1M	6.865465G	6.884565G	Inf	2

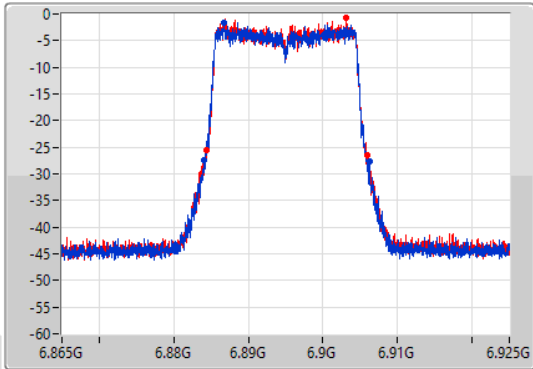
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

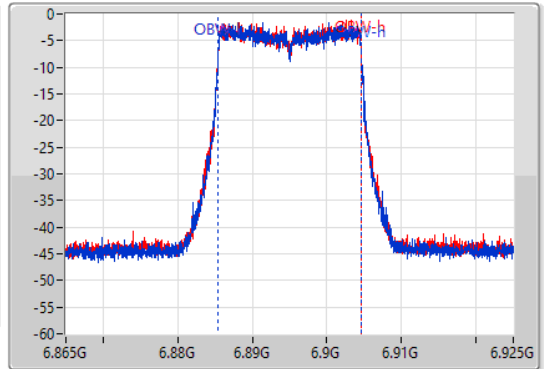
6895MHz

12/10/2022

CF
6.895GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.895GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.14M	6.88408G	6.90622G	19.13M	6.885465G	6.904595G	Inf	1
21.57M	6.88432G	6.90589G	19.1M	6.885465G	6.904565G	Inf	2

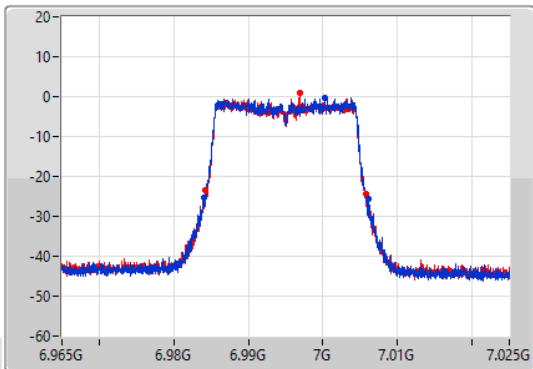
802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

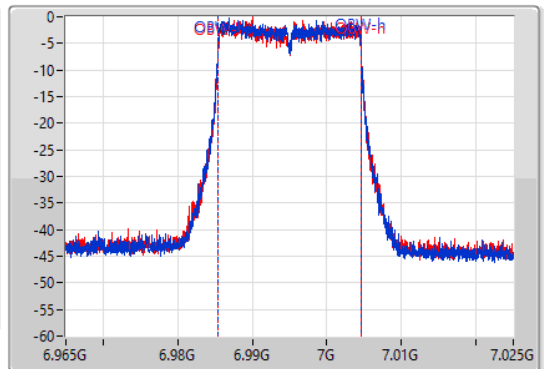
6995MHz

12/10/2022

CF
6.995GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.995GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



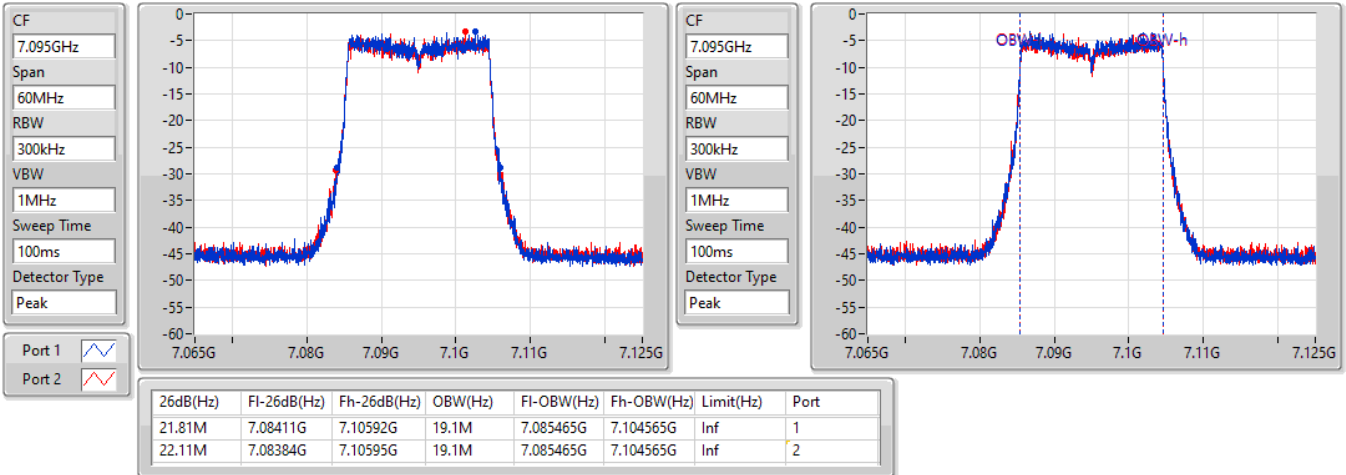
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.02M	6.98402G	7.00604G	19.13M	6.985435G	7.004565G	Inf	1
21.54M	6.98426G	7.0058G	19.13M	6.985435G	7.004565G	Inf	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

7095MHz

12/10/2022

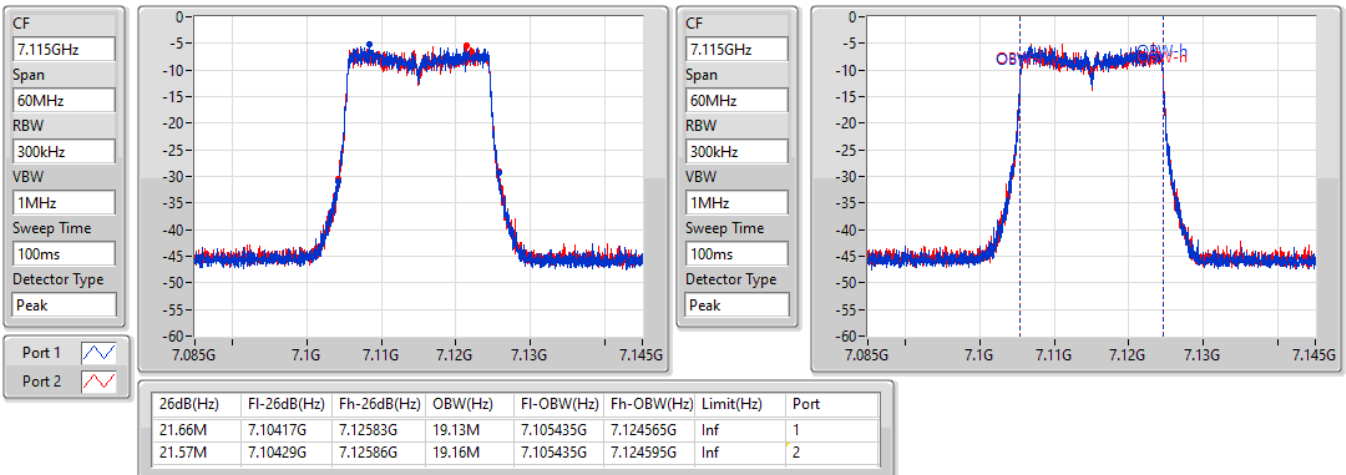


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

7115MHz

12/10/2022

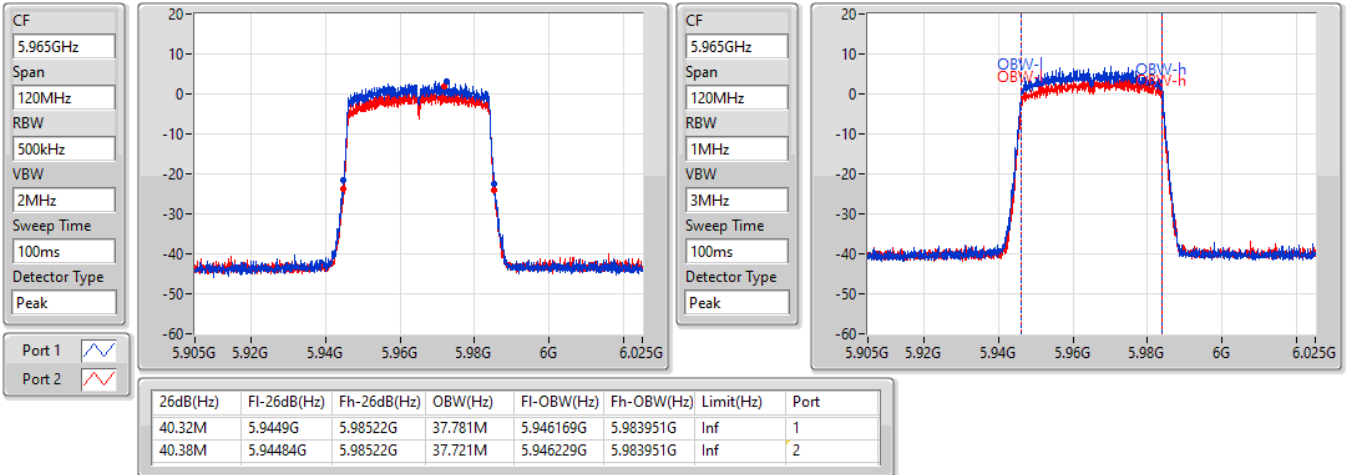


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

5965MHz

12/10/2022

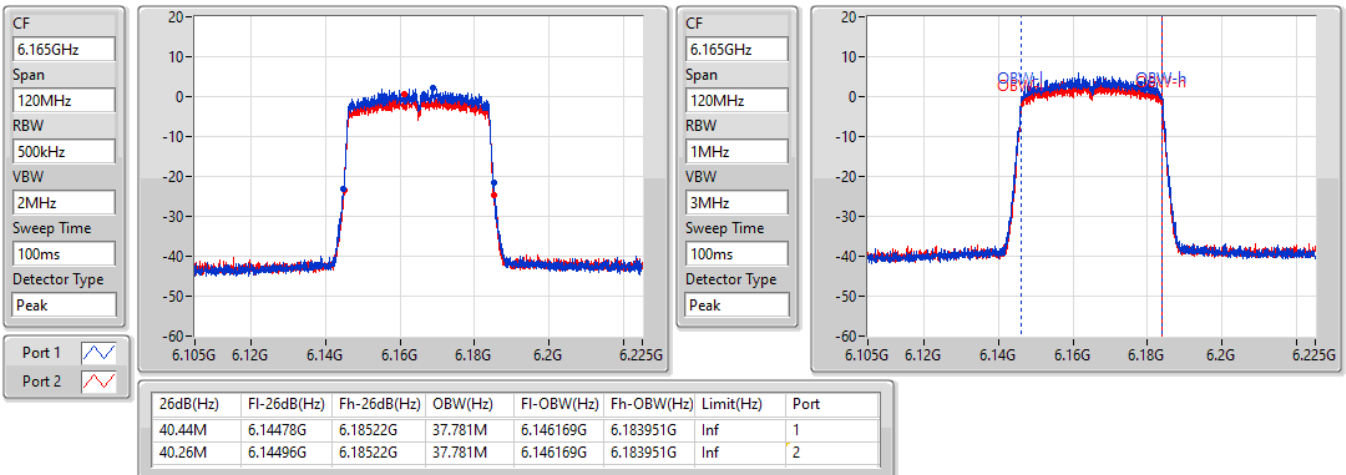


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6165MHz

12/10/2022

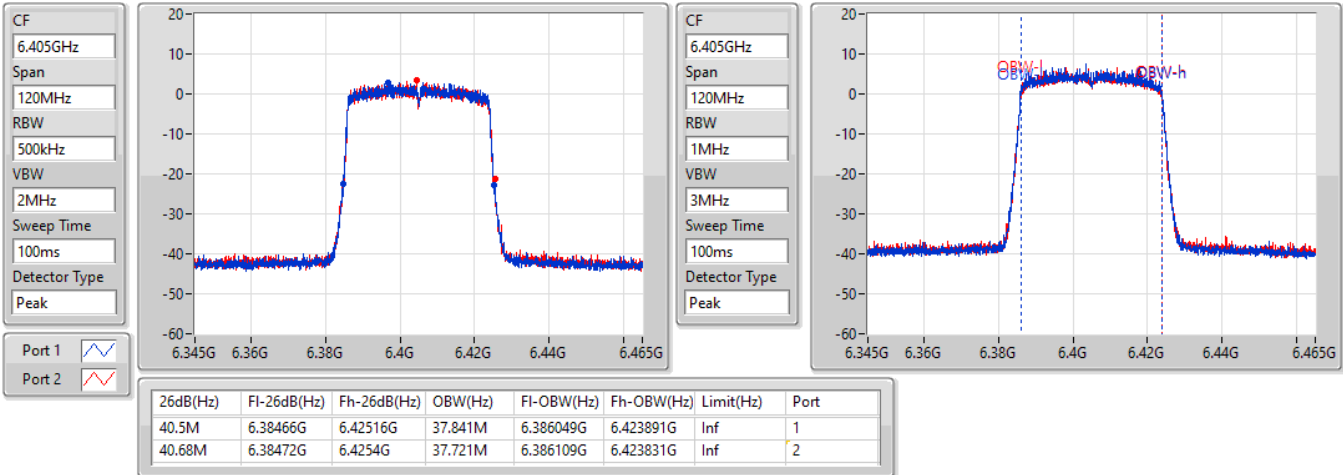


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6405MHz

12/10/2022

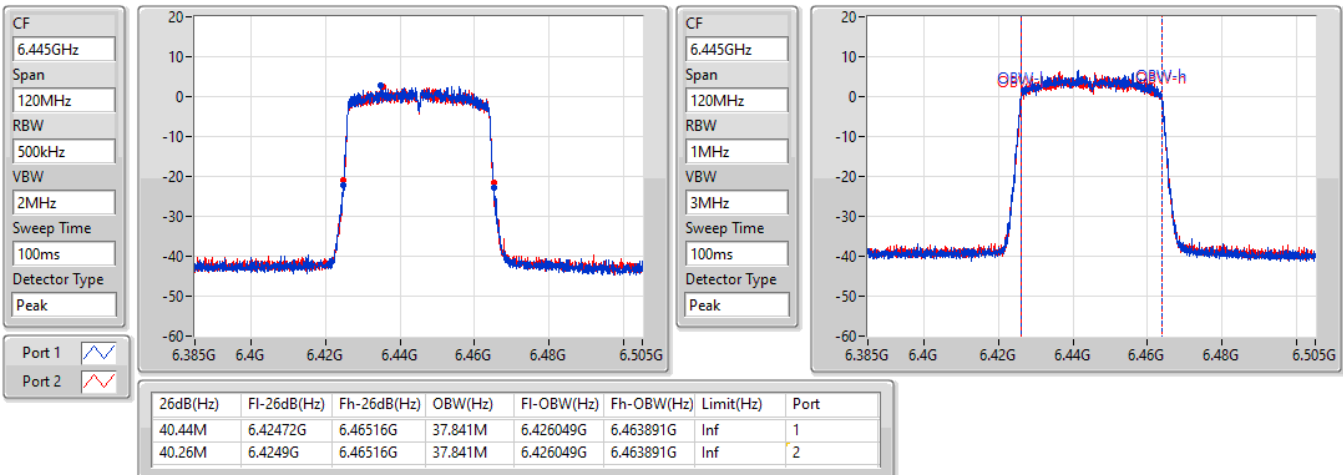


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6445MHz

12/10/2022



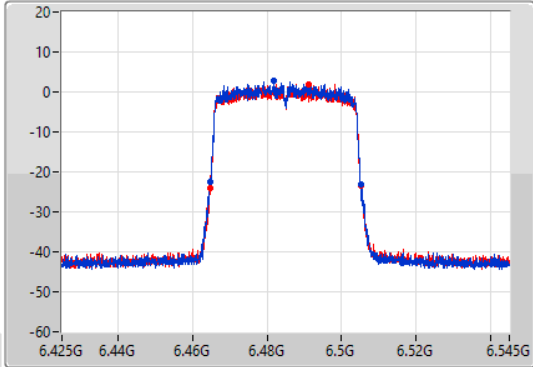
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

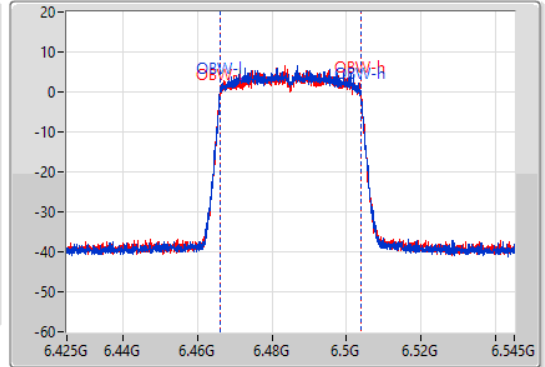
6485MHz

12/10/2022

CF
6.485GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.485GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.46484G	6.50534G	37.781M	6.466109G	6.503891G	Inf	1
40.62M	6.46472G	6.50534G	37.841M	6.466049G	6.503891G	Inf	2

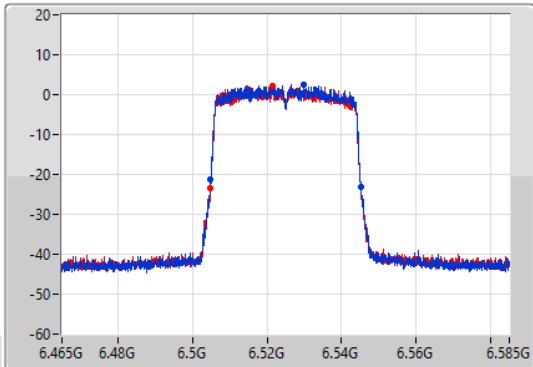
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

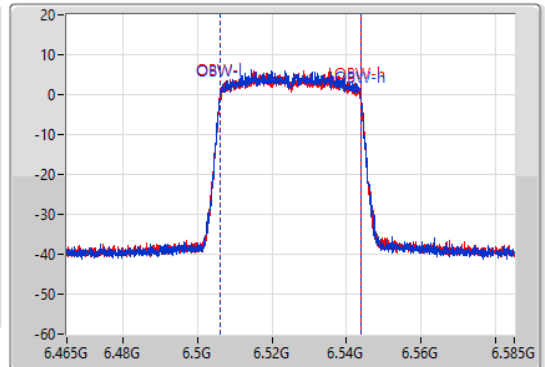
6525MHz

12/10/2022

CF
6.525GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.525GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	6.50472G	6.54522G	37.841M	6.506049G	6.543891G	Inf	1
40.5M	6.50472G	6.54522G	37.841M	6.506049G	6.543891G	Inf	2

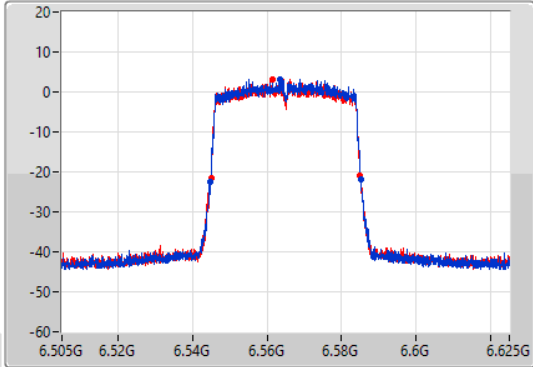
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

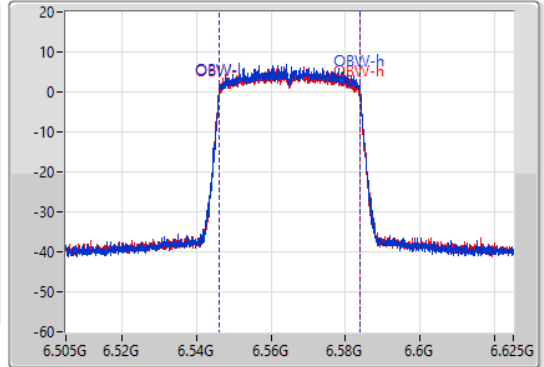
6565MHz

12/10/2022

CF
6.565GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.565GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.32M	6.54484G	6.58516G	37.781M	6.546169G	6.583951G	Inf	1
40.08M	6.54496G	6.58504G	37.841M	6.546049G	6.583891G	Inf	2

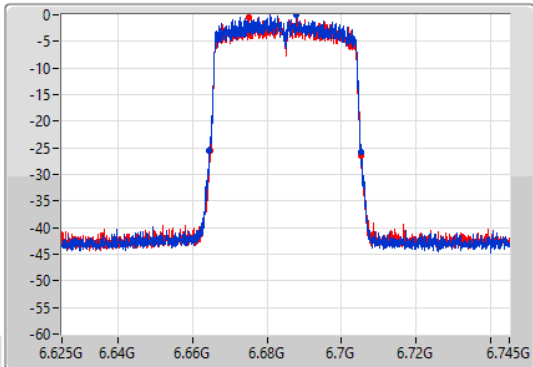
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

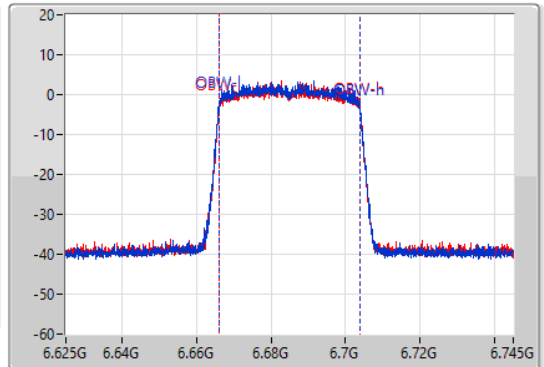
6685MHz

12/10/2022

CF
6.685GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.685GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



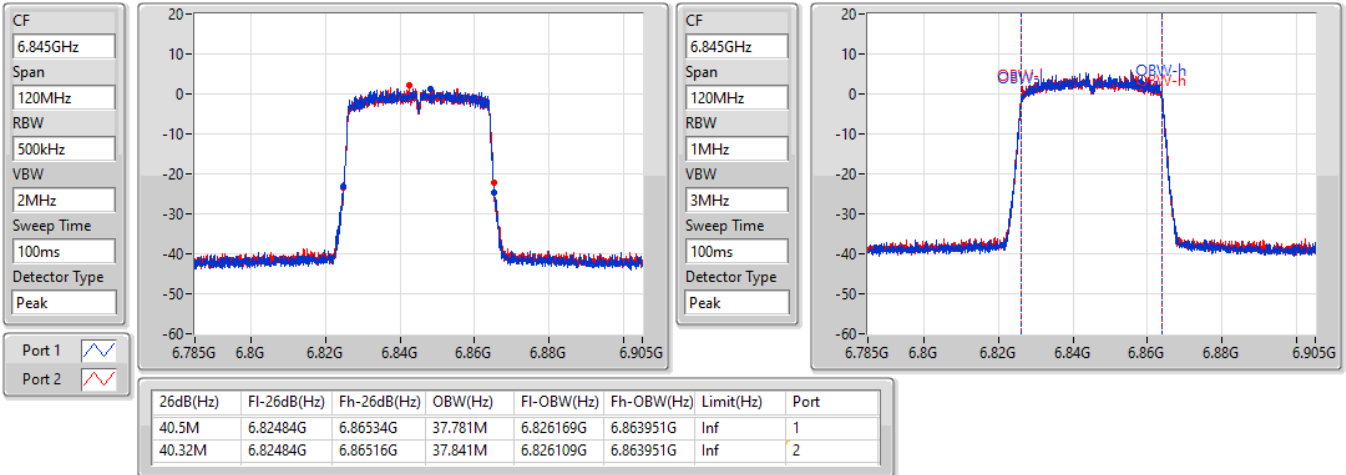
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.56M	6.6646G	6.70516G	37.841M	6.666049G	6.703891G	Inf	1
40.44M	6.66484G	6.70528G	37.841M	6.666049G	6.703891G	Inf	2

802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6845MHz

12/10/2022

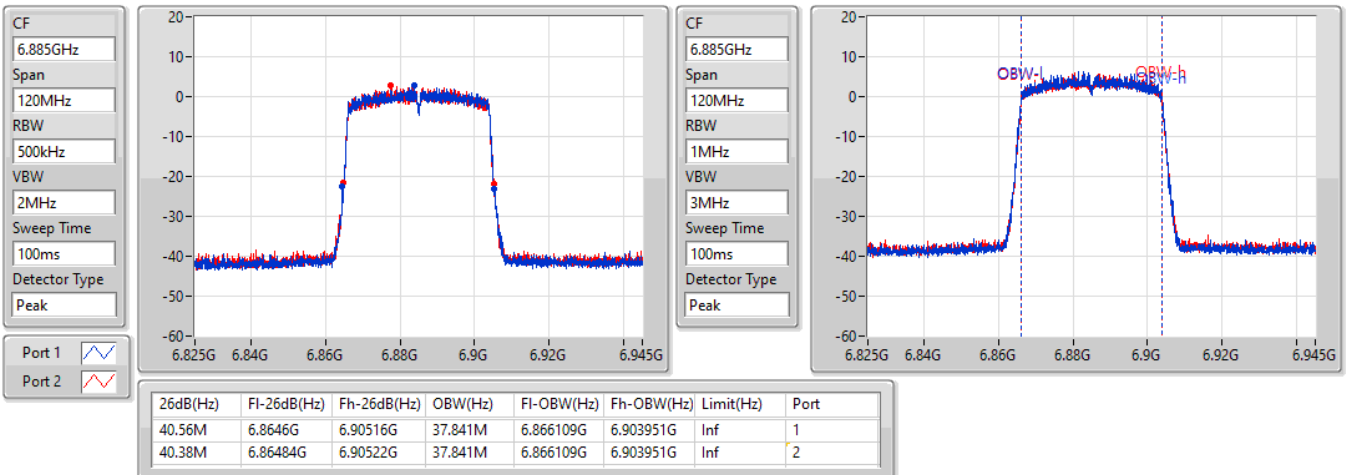


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6885MHz

12/10/2022

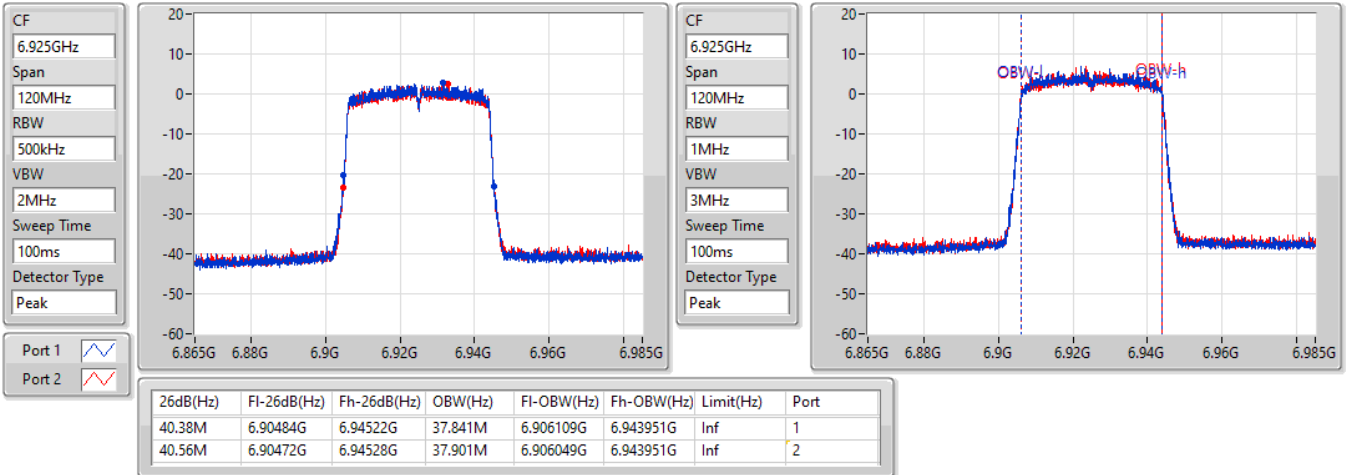


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

6925MHz

12/10/2022

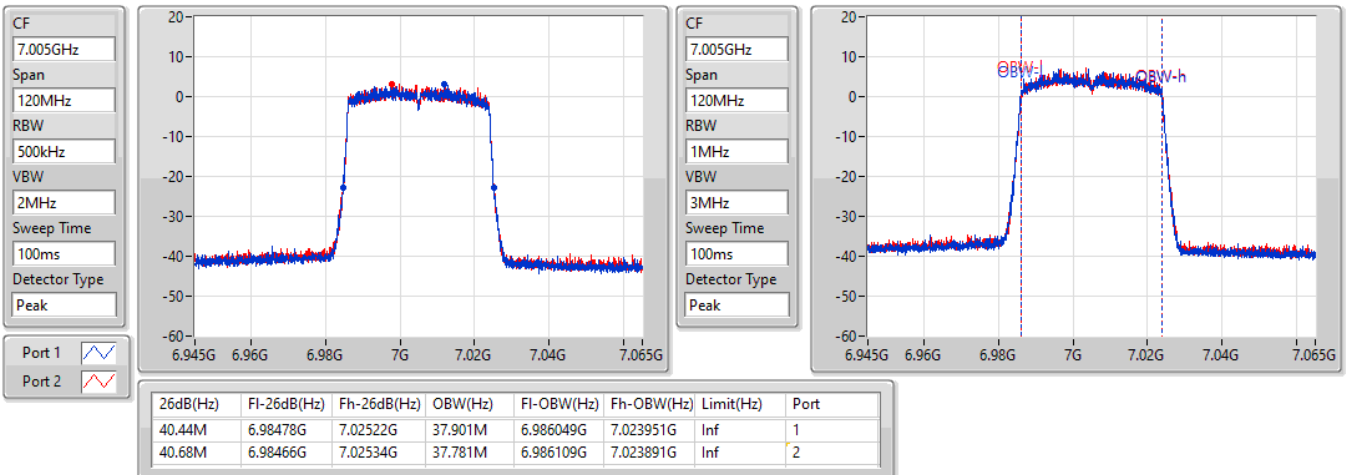


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

7005MHz

12/10/2022



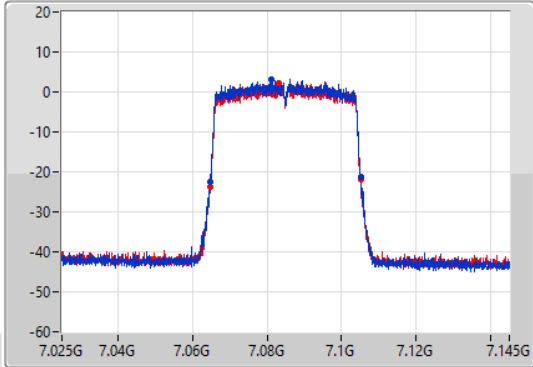
802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

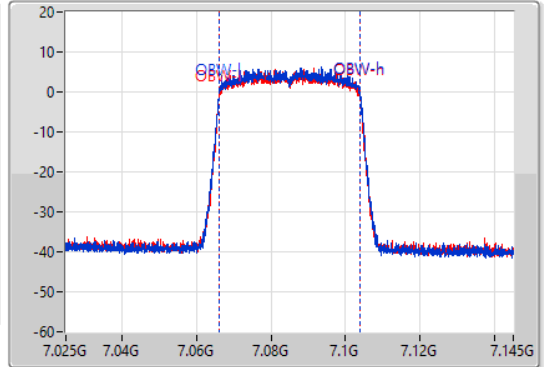
7085MHz

12/10/2022

CF
7.085GHz
Span
120MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



CF
7.085GHz
Span
120MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.5M	7.06472G	7.10522G	37.781M	7.066109G	7.103891G	Inf	1
40.5M	7.06478G	7.10528G	37.781M	7.066109G	7.103891G	Inf	2

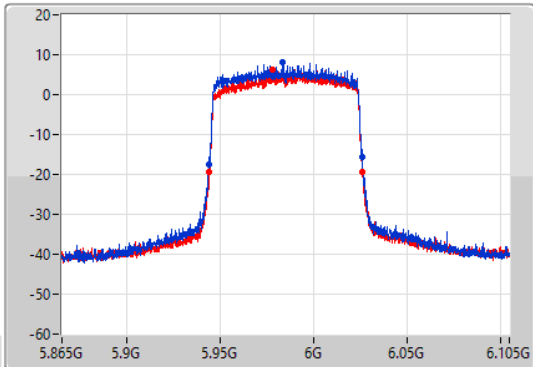
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

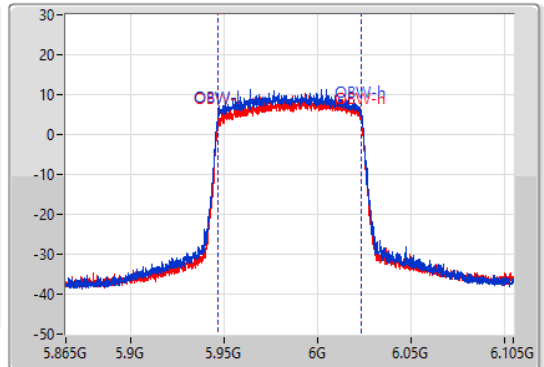
5985MHz

12/10/2022

CF
5.985GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
5.985GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	5.94384G	6.02592G	77.241M	5.946499G	6.023741G	Inf	1
82.08M	5.94408G	6.02616G	77.121M	5.946619G	6.023741G	Inf	2

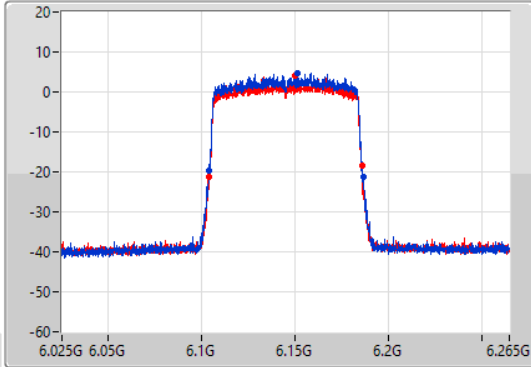
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

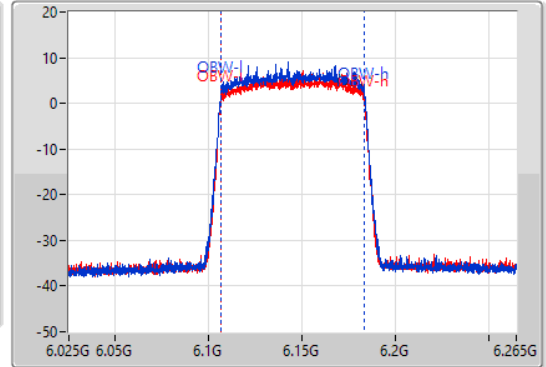
6145MHz

12/10/2022

CF
6.145GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.145GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.68M	6.10384G	6.18652G	77.361M	6.106379G	6.183741G	Inf	1
81.96M	6.10408G	6.18604G	77.361M	6.106259G	6.183621G	Inf	2

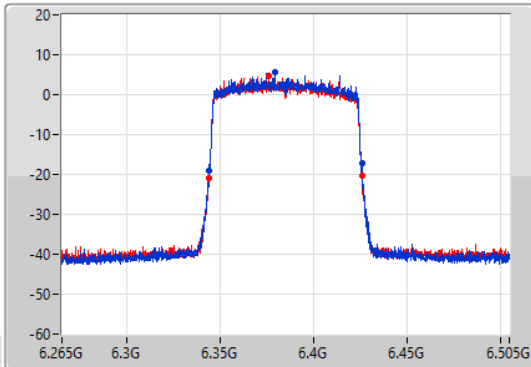
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

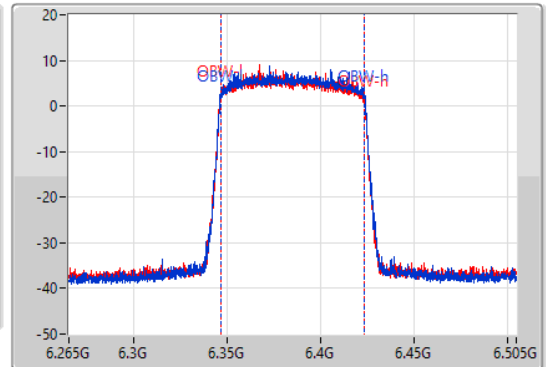
6385MHz

12/10/2022

CF
6.385GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.385GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



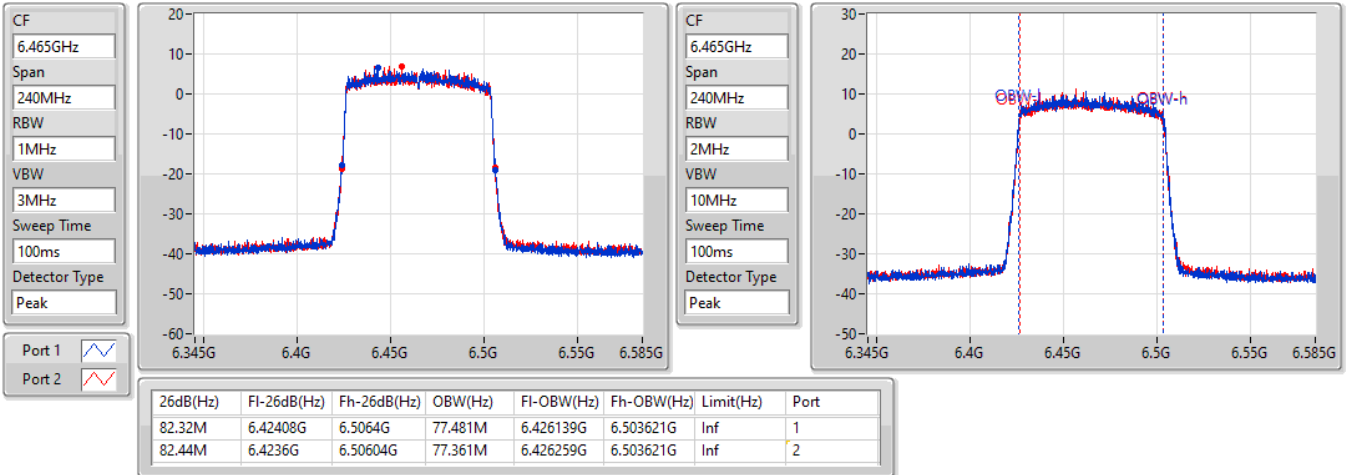
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.34384G	6.42592G	77.481M	6.346259G	6.423741G	Inf	1
81.96M	6.34384G	6.4258G	77.241M	6.346259G	6.423501G	Inf	2

802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

6465MHz

12/10/2022

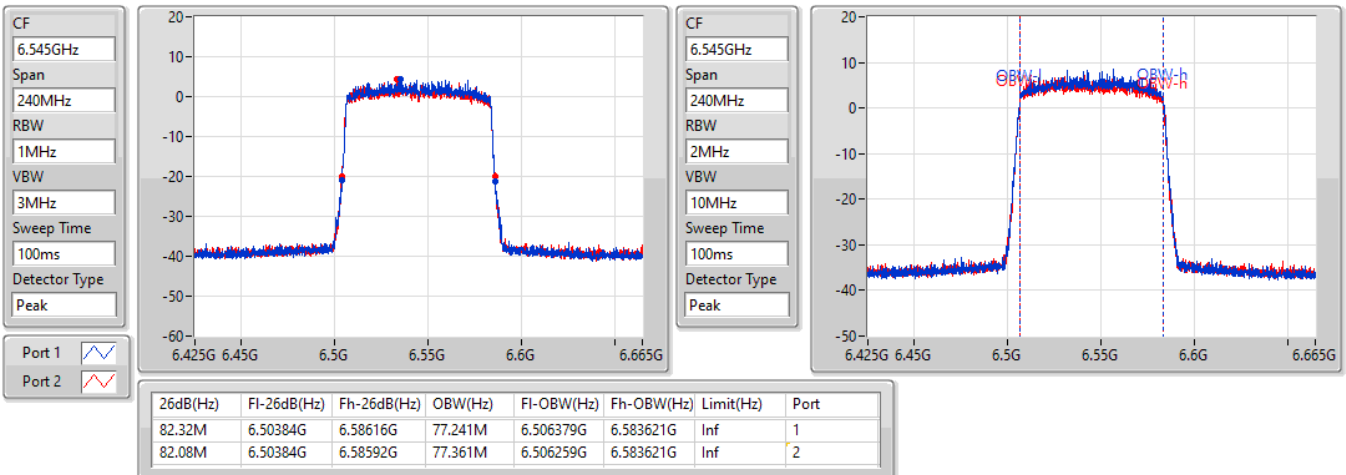


802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

6545MHz

12/10/2022



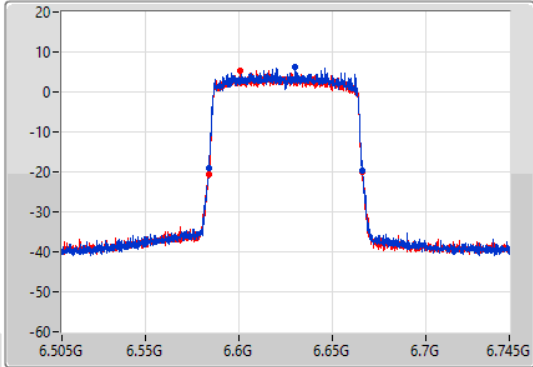
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

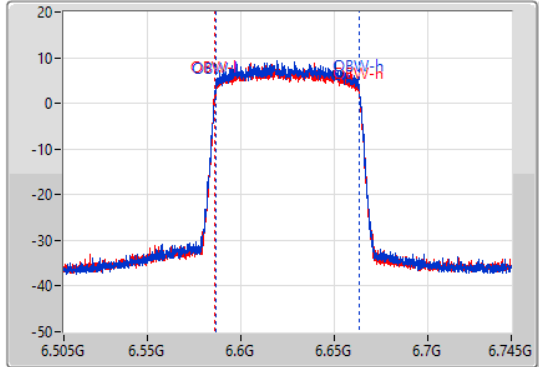
6625MHz

12/10/2022

CF
6.625GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.625GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.44M	6.58384G	6.66628G	77.361M	6.586259G	6.663621G	Inf	1
82.8M	6.5836G	6.6664G	77.481M	6.586139G	6.663621G	Inf	2

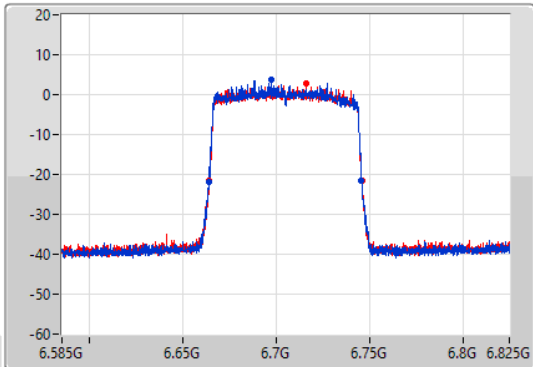
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

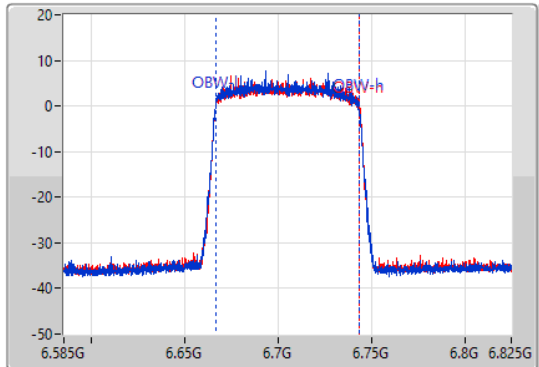
6705MHz

12/10/2022

CF
6.705GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.705GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.66384G	6.74568G	77.241M	6.666259G	6.743501G	Inf	1
82.56M	6.66372G	6.74628G	77.361M	6.666259G	6.743621G	Inf	2

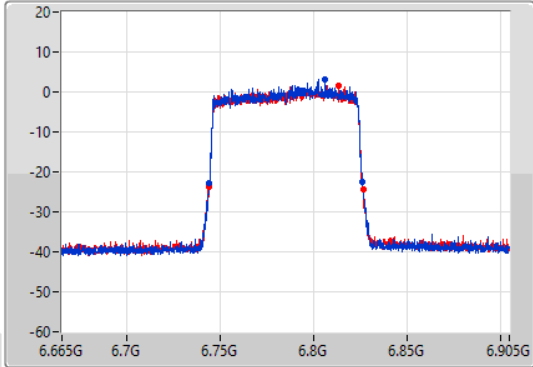
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

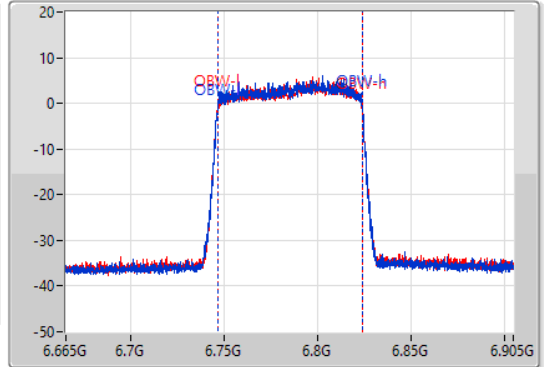
6785MHz

12/10/2022

CF
6.785GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.785GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.2M	6.74372G	6.82592G	77.481M	6.746379G	6.823861G	Inf	1
83.04M	6.7436G	6.82664G	77.601M	6.746259G	6.823861G	Inf	2

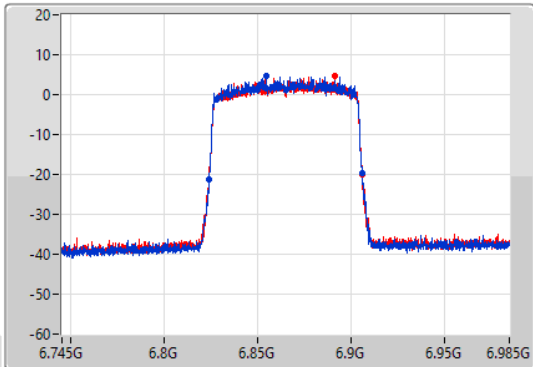
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

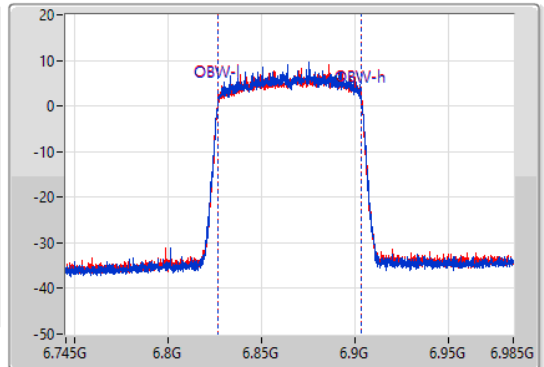
6865MHz

12/10/2022

CF
6.865GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.865GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.08M	6.82408G	6.90616G	77.121M	6.826499G	6.903621G	Inf	1
81.84M	6.82408G	6.90592G	77.241M	6.826499G	6.903741G	Inf	2

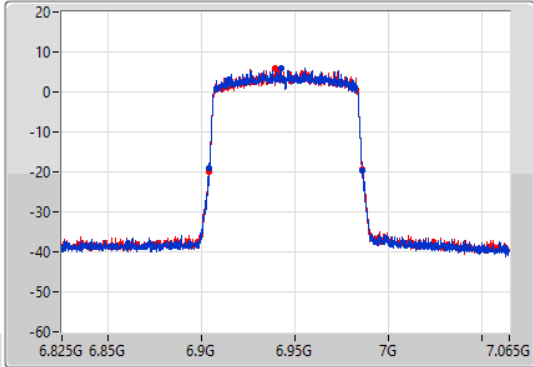
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

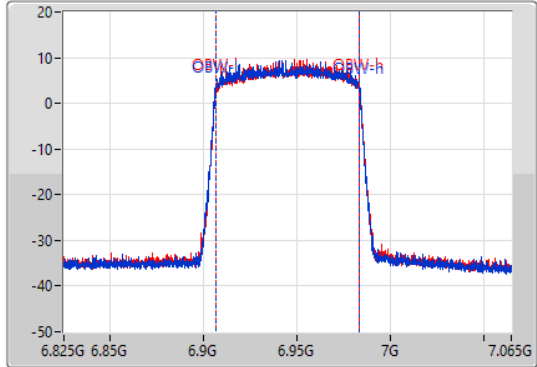
6945MHz

12/10/2022

CF
6.945GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.945GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	6.90384G	6.9864G	77.361M	6.906259G	6.983621G	Inf	1
82.08M	6.90396G	6.98604G	77.361M	6.906379G	6.983741G	Inf	2

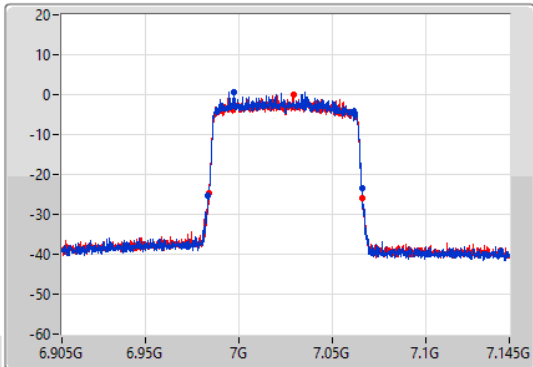
802.11ax HEW80_Nss1,(MCS0)_2TX

EBW

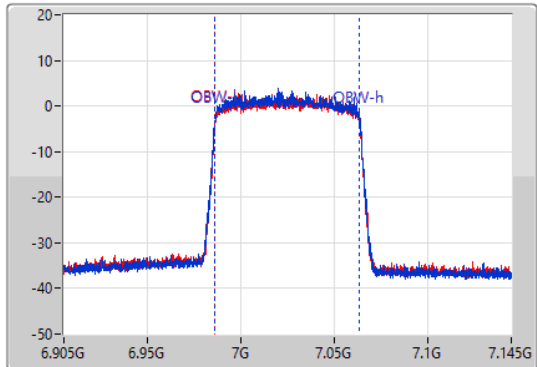
7025MHz

12/10/2022

CF
7.025GHz
Span
240MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Peak



CF
7.025GHz
Span
240MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.56M	6.98336G	7.06592G	77.601M	6.986139G	7.063741G	Inf	1
82.2M	6.98384G	7.06604G	77.481M	6.986139G	7.063621G	Inf	2

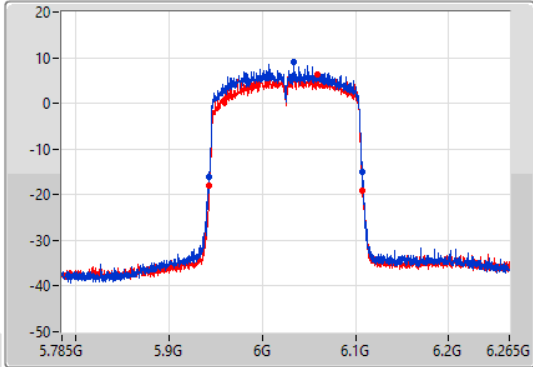
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

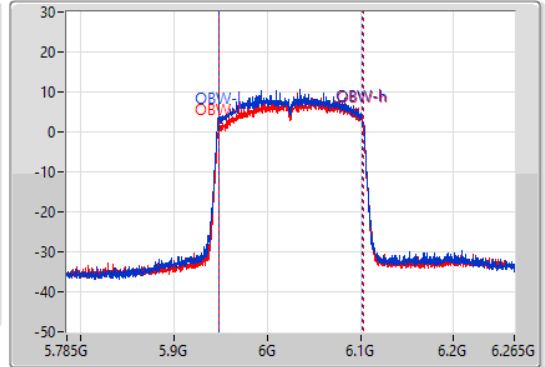
6025MHz

12/10/2022

CF
6.025GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.025GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.16M	5.94292G	6.10708G	154.723M	5.947759G	6.102481G	Inf	1
164.88M	5.94292G	6.1078G	154.483M	5.948238G	6.102721G	Inf	2

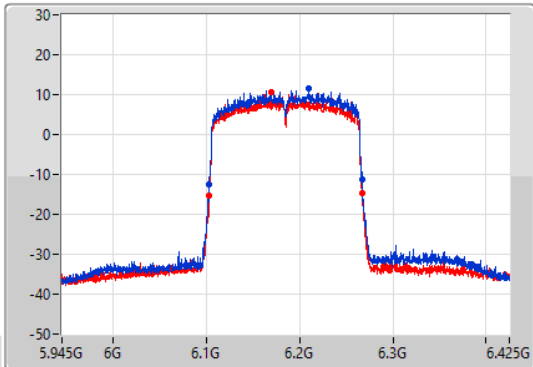
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

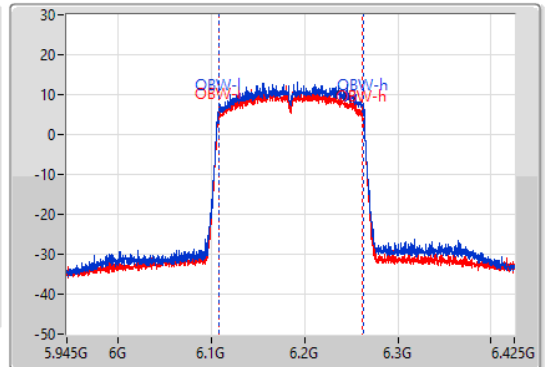
6185MHz

12/10/2022

CF
6.185GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.185GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.4M	6.10268G	6.26708G	155.202M	6.107759G	6.262961G	Inf	1
164.88M	6.10244G	6.26732G	154.723M	6.107759G	6.262481G	Inf	2

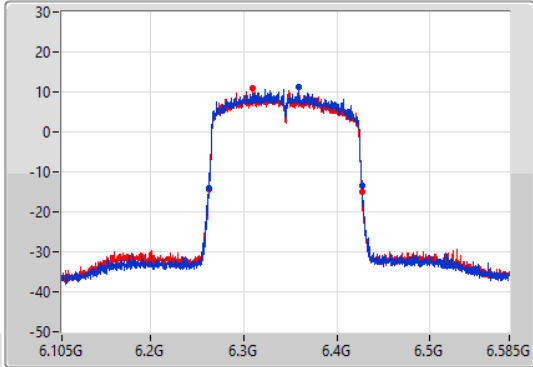
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

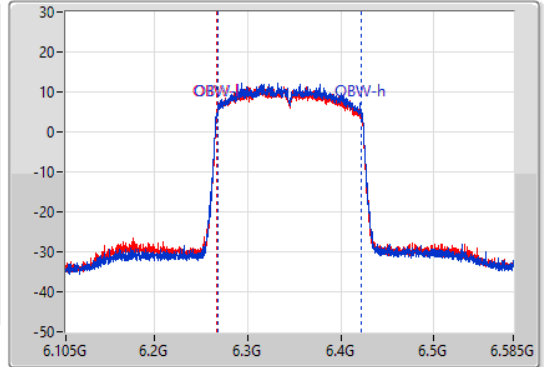
6345MHz

12/10/2022

CF
6.345GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.345GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.16M	6.26268G	6.42684G	154.483M	6.267519G	6.422001G	Inf	1
163.68M	6.26316G	6.42684G	154.723M	6.267279G	6.422001G	Inf	2

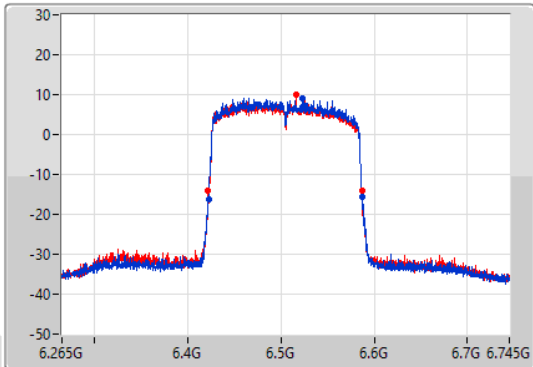
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

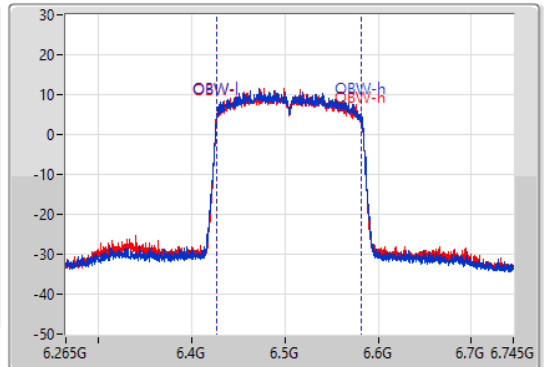
6505MHz

12/10/2022

CF
6.505GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.505GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.64M	6.42244G	6.58708G	155.202M	6.427279G	6.582481G	Inf	1
164.88M	6.42196G	6.58684G	155.202M	6.427039G	6.582241G	Inf	2

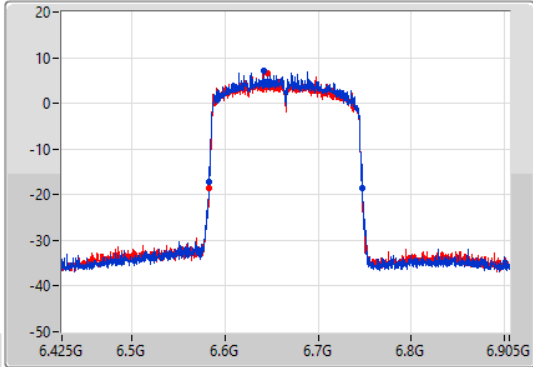
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

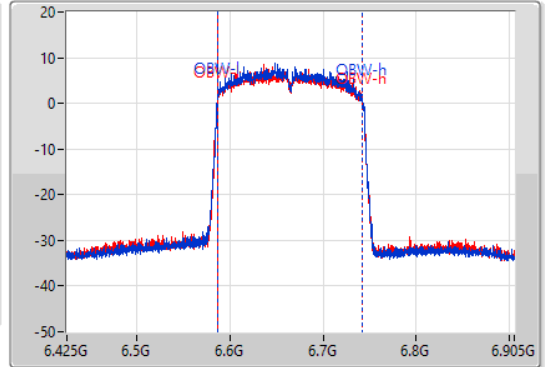
6665MHz

12/10/2022

CF
6.665GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.665GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.88M	6.58268G	6.74756G	154.963M	6.587039G	6.742001G	Inf	1
164.16M	6.58268G	6.74684G	154.963M	6.587279G	6.742241G	Inf	2

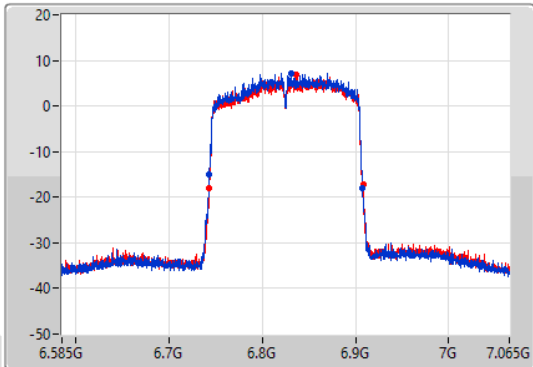
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

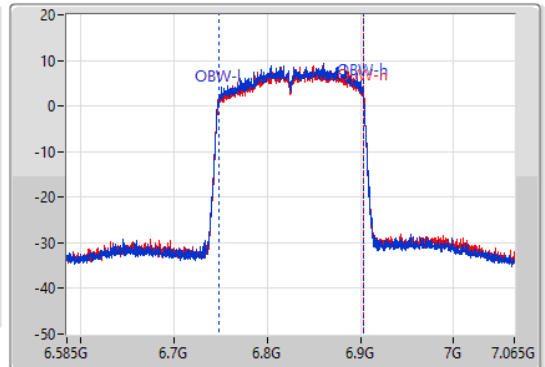
6825MHz

12/10/2022

CF
6.825GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.825GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.64M	6.74268G	6.90732G	154.963M	6.747999G	6.902961G	Inf	1
164.88M	6.74316G	6.90804G	155.202M	6.747759G	6.902961G	Inf	2

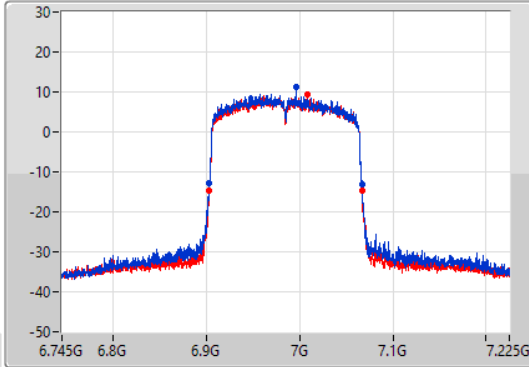
802.11ax HEW160_Nss1,(MCS0)_2TX

EBW

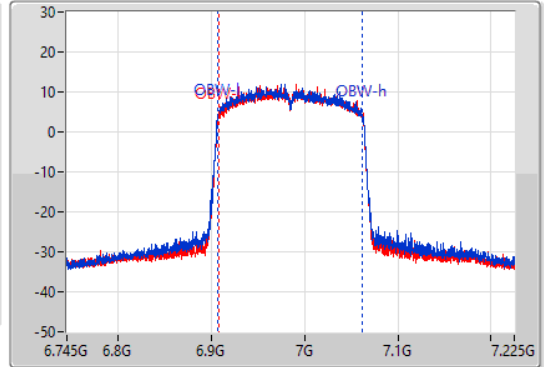
6985MHz



12/10/2022

CF
6.985GHz
Span
480MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.985GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



Port 1 
Port 2 

26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.92M	6.90316G	7.06708G	154.963M	6.907279G	7.062241G	Inf	1
164.16M	6.90292G	7.06708G	154.723M	6.907519G	7.062241G	Inf	2



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.93M	19.042M	19M0D1D	21.39M	19.012M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.44M	37.672M	37M7D1D	40.08M	37.554M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.84M	77.225M	77M2D1D	81M	76.754M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	304.08M	155.39M	155MD1D	165.6M	153.509M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.9M	19.042M	19M0D1D	21.18M	19.012M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.38M	37.672M	37M7D1D	40.08M	37.554M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	83.28M	77.107M	77M1D1D	81.6M	76.99M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	309.6M	155.39M	155MD1D	166.56M	154.919M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.96M	19.042M	19M0D1D	21.33M	19.012M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	56.7M	37.848M	37M8D1D	40.14M	37.554M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	82.08M	77.225M	77M2D1D	80.76M	76.872M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	277.68M	155.39M	155MD1D	166.32M	154.449M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.26M	19.042M	19M0D1D	21.24M	19.012M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	102.84M	41.61M	41M6D1D	40.08M	37.554M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	150.84M	77.225M	77M2D1D	81.96M	77.107M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	259.44M	155.86M	156MD1D	182.64M	154.449M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	21.51M	19.042M	21.54M	19.012M
6175MHz	Pass	Inf	21.69M	19.012M	21.93M	19.012M
6415MHz	Pass	Inf	21.39M	19.012M	21.63M	19.012M
6435MHz	Pass	Inf	21.78M	19.042M	21.9M	19.042M
6475MHz	Pass	Inf	21.9M	19.012M	21.6M	19.012M
6515MHz	Pass	Inf	21.18M	19.012M	21.75M	19.042M
6535MHz	Pass	Inf	21.33M	19.042M	21.57M	19.042M
6695MHz	Pass	Inf	21.51M	19.042M	21.96M	19.042M
6855MHz	Pass	Inf	21.51M	19.012M	21.54M	19.012M
6875MHz	Pass	Inf	21.66M	19.012M	21.93M	19.012M
6895MHz	Pass	Inf	22.26M	19.012M	21.84M	19.012M
6995MHz	Pass	Inf	21.24M	19.012M	21.81M	19.012M
7095MHz	Pass	Inf	21.42M	19.012M	21.81M	19.012M
7115MHz	Pass	Inf	21.78M	19.042M	21.81M	19.012M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	40.08M	37.554M	40.44M	37.554M
6165MHz	Pass	Inf	40.08M	37.554M	40.2M	37.672M
6405MHz	Pass	Inf	40.32M	37.613M	40.08M	37.613M
6445MHz	Pass	Inf	40.2M	37.613M	40.38M	37.672M
6485MHz	Pass	Inf	40.14M	37.613M	40.08M	37.672M
6525MHz	Pass	Inf	40.14M	37.554M	40.14M	37.613M
6565MHz	Pass	Inf	52.8M	37.848M	40.56M	37.554M
6685MHz	Pass	Inf	56.7M	37.731M	40.86M	37.731M
6845MHz	Pass	Inf	40.5M	37.613M	40.2M	37.613M
6885MHz	Pass	Inf	40.14M	37.613M	40.32M	37.731M
6925MHz	Pass	Inf	57.48M	37.79M	40.08M	37.672M
7005MHz	Pass	Inf	55.44M	37.554M	40.38M	37.613M
7085MHz	Pass	Inf	102.84M	41.61M	55.56M	38.025M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	81.72M	77.107M	81M	76.754M
6145MHz	Pass	Inf	81.36M	77.107M	81.48M	77.225M
6385MHz	Pass	Inf	81.84M	77.107M	81.84M	77.107M
6465MHz	Pass	Inf	81.96M	77.107M	81.6M	76.99M
6545MHz	Pass	Inf	83.28M	76.99M	81.96M	77.107M
6625MHz	Pass	Inf	82.08M	76.99M	81.6M	77.225M
6705MHz	Pass	Inf	80.76M	76.872M	81.84M	77.107M
6785MHz	Pass	Inf	81.6M	76.99M	81.96M	77.107M
6865MHz	Pass	Inf	81M	76.872M	81.6M	77.107M
6945MHz	Pass	Inf	81.96M	77.107M	82.92M	77.225M
7025MHz	Pass	Inf	150.84M	77.225M	82.68M	77.107M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	266.64M	155.39M	165.6M	153.509M
6185MHz	Pass	Inf	165.6M	154.919M	165.84M	154.449M
6345MHz	Pass	Inf	304.08M	155.39M	166.08M	154.919M
6505MHz	Pass	Inf	309.6M	155.39M	166.56M	154.919M
6665MHz	Pass	Inf	277.68M	155.39M	192.24M	154.449M
6825MHz	Pass	Inf	179.28M	154.919M	166.32M	155.39M
6985MHz	Pass	Inf	259.44M	155.86M	182.64M	154.449M

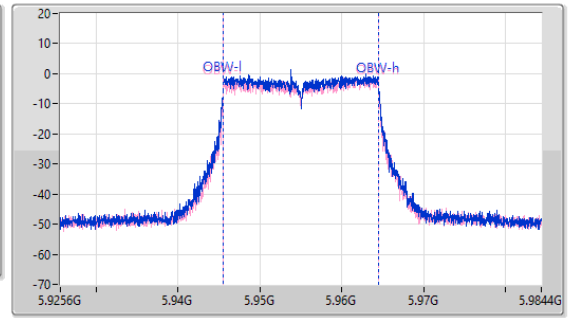
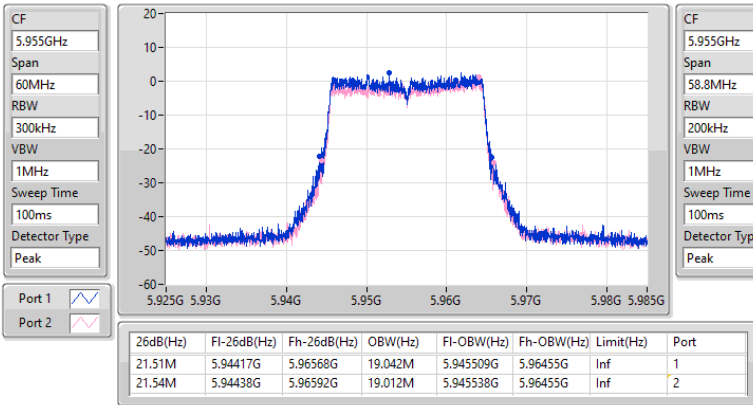
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5955MHz

14/11/2022

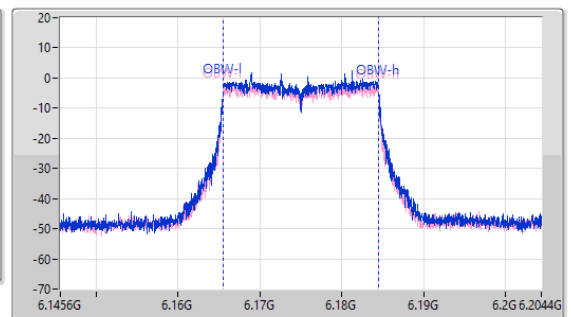
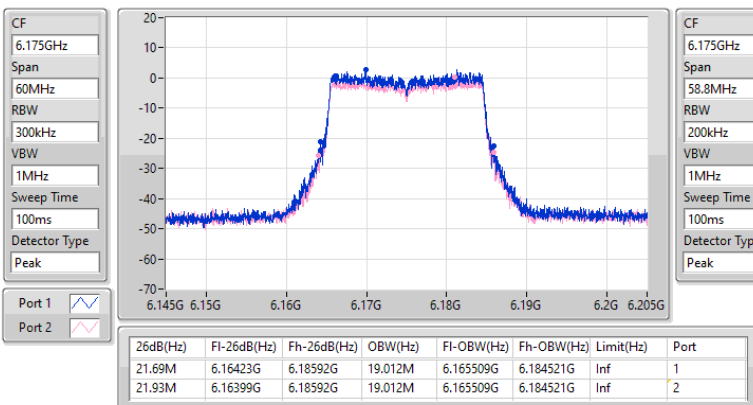


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

6175MHz

14/11/2022

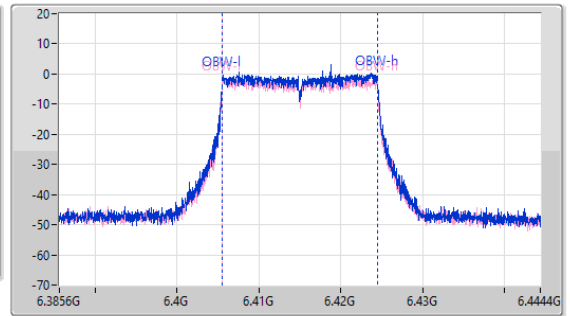
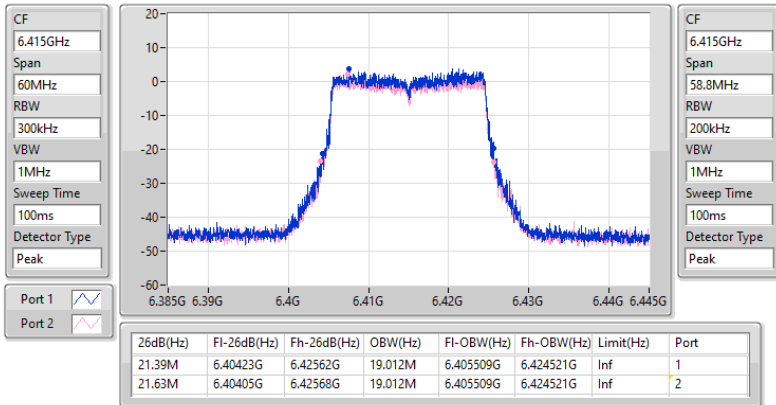


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

6415MHz

14/11/2022

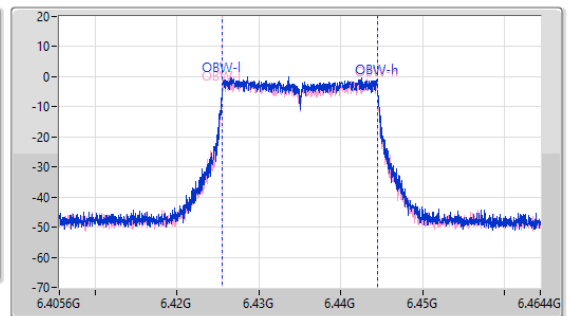
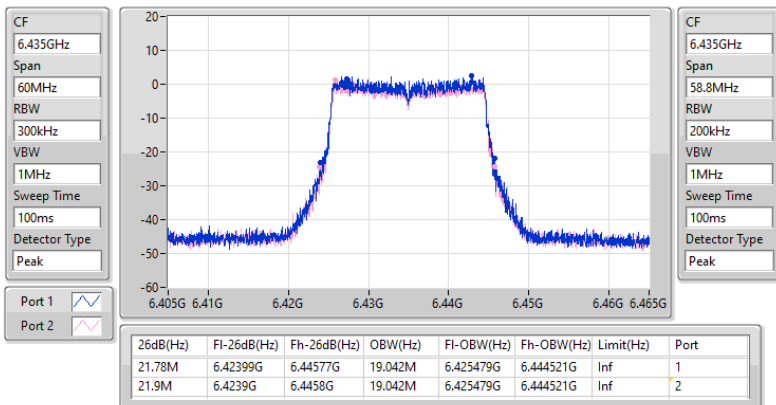


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

6435MHz

14/11/2022

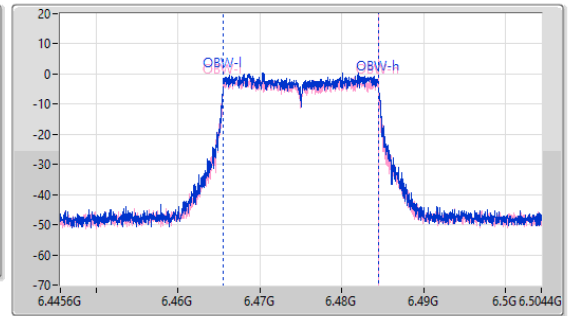
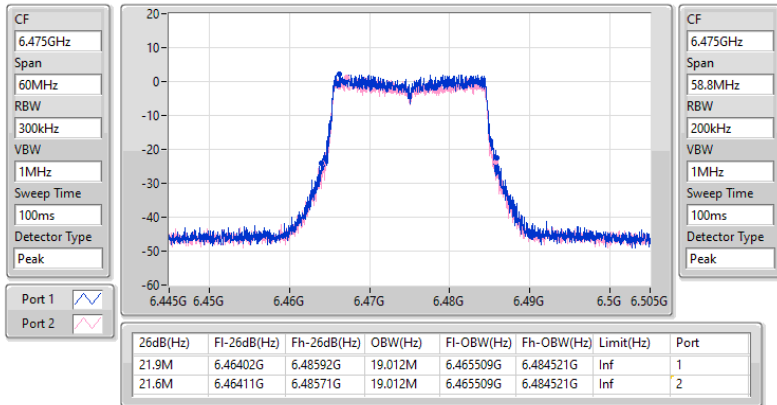


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

6475MHz

14/11/2022

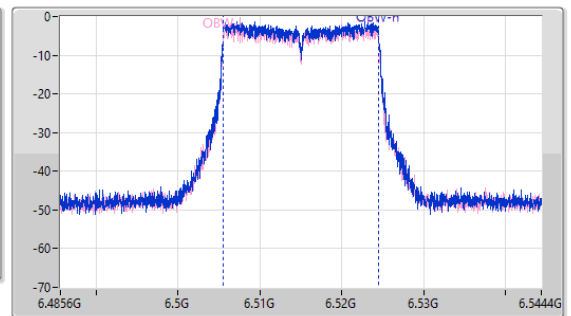
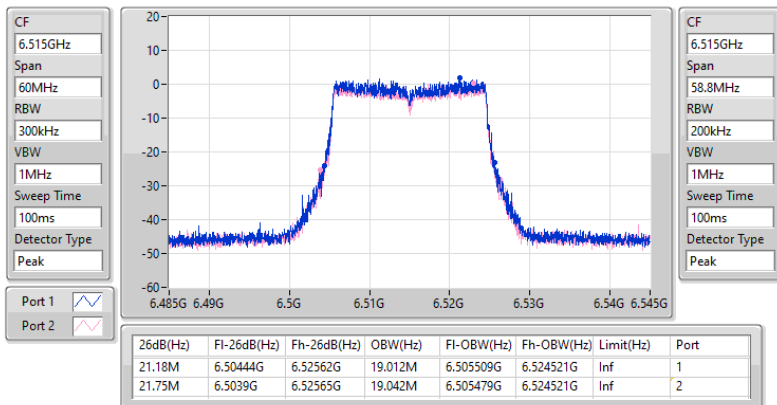


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

6515MHz

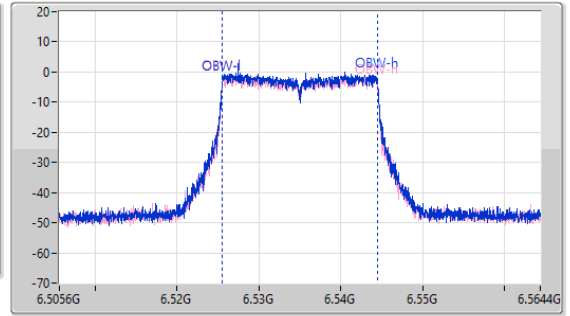
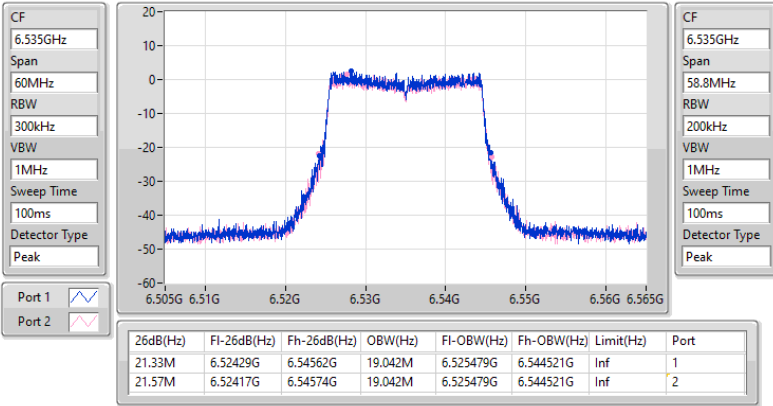
14/11/2022



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

EBW

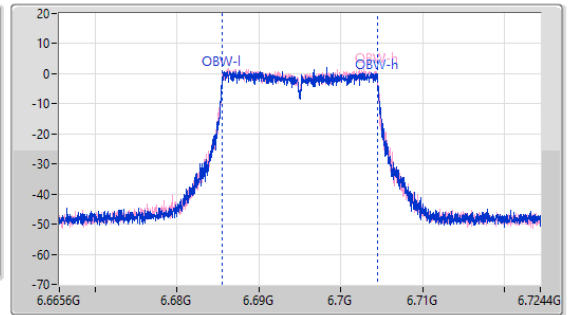
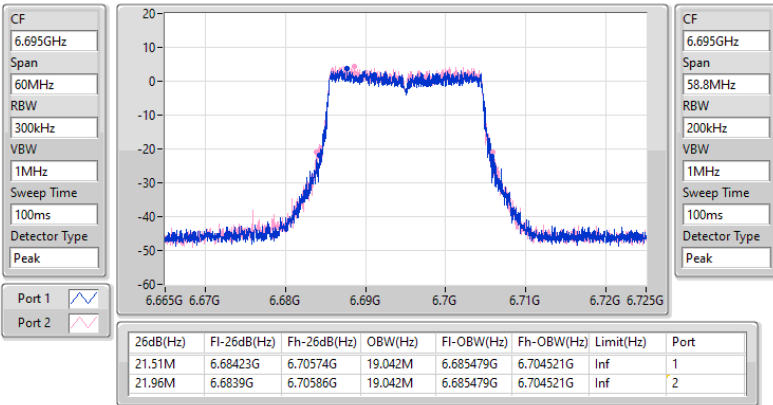
14/11/2022



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

EBW

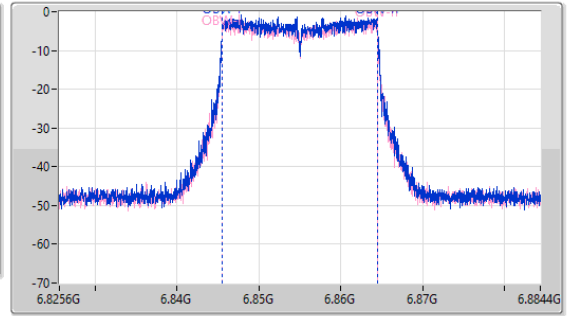
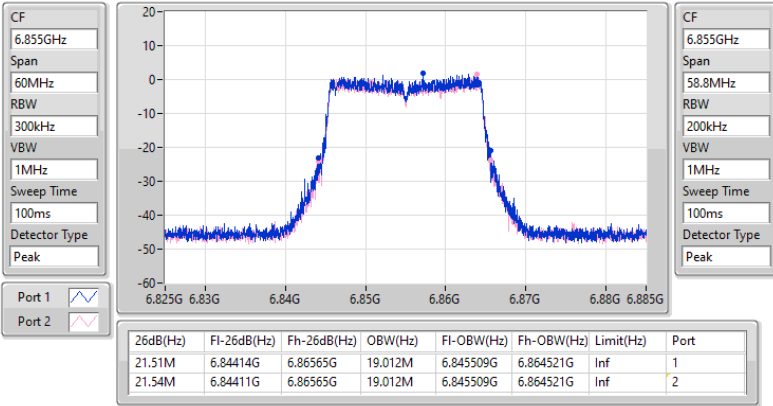
14/11/2022



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

EBW

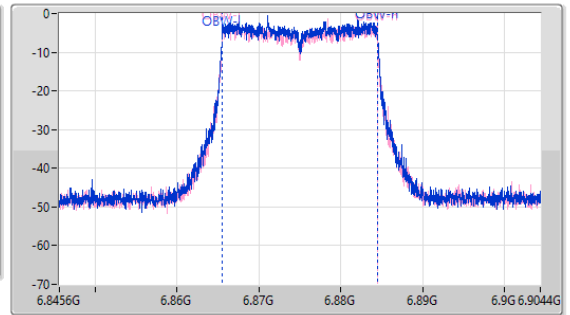
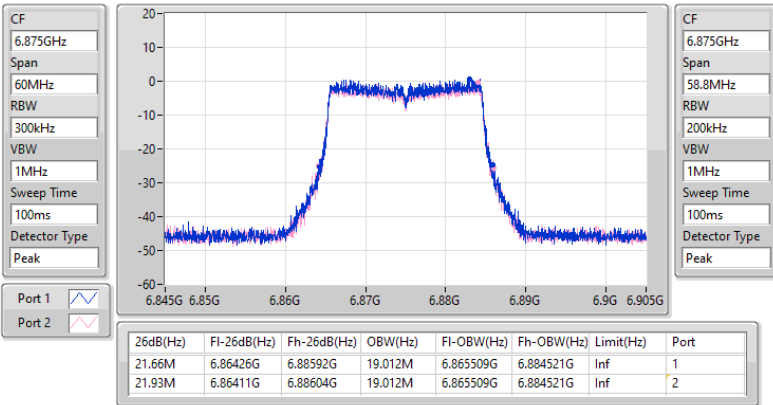
14/11/2022



6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
6875MHz

EBW

14/11/2022

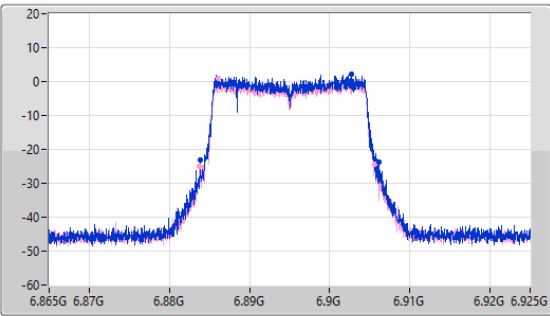


6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
6895MHz

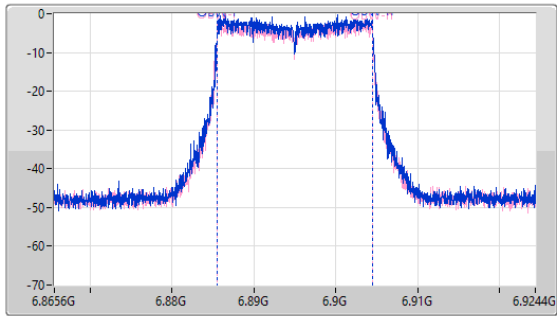
EBW

14/11/2022

CF
6.895GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port 1
Port 2



CF
6.895GHz
Span
58.8MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



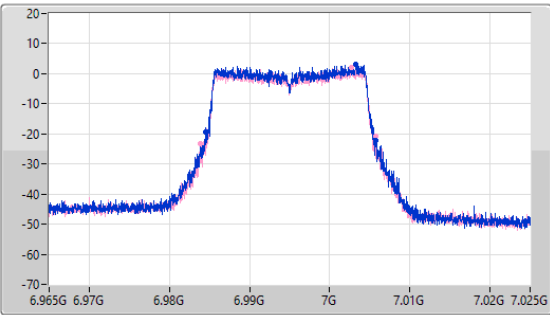
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.26M	6.88387G	6.90613G	19.012M	6.885509G	6.904521G	Inf	1
21.84M	6.88375G	6.90559G	19.012M	6.885509G	6.904521G	Inf	2

6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
6995MHz

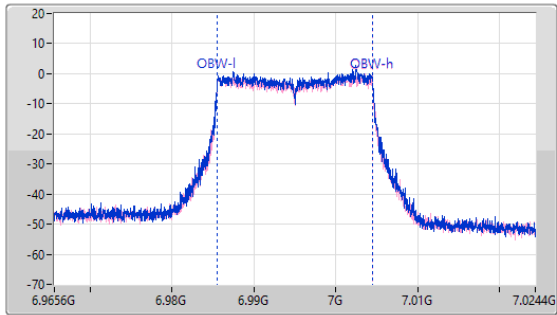
EBW

14/11/2022

CF
6.995GHz
Span
60MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak
Port 1
Port 2



CF
6.995GHz
Span
58.8MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak

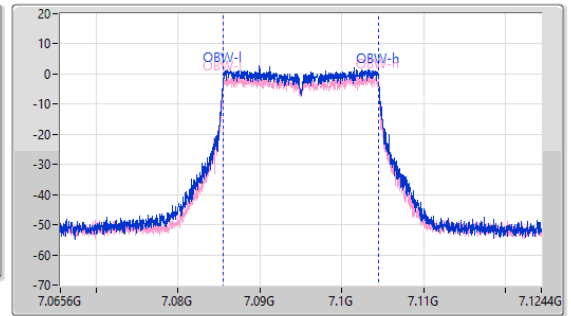
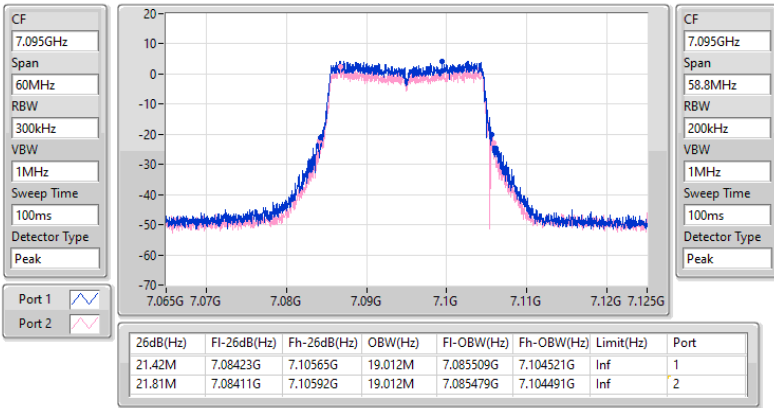


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.24M	6.98447G	7.00571G	19.012M	6.985509G	7.004521G	Inf	1
21.81M	6.98399G	7.00571G	19.012M	6.985509G	7.004521G	Inf	2

6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
7095MHz

EBW

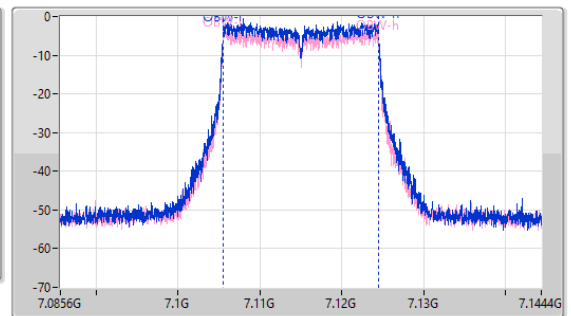
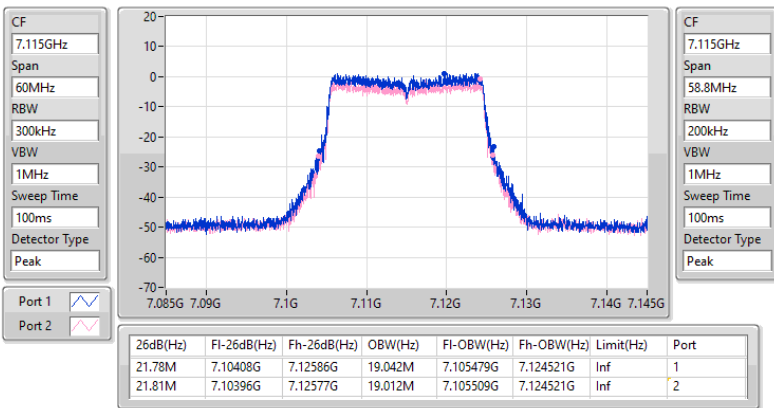
14/11/2022



6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_2TX
7115MHz

EBW

14/11/2022



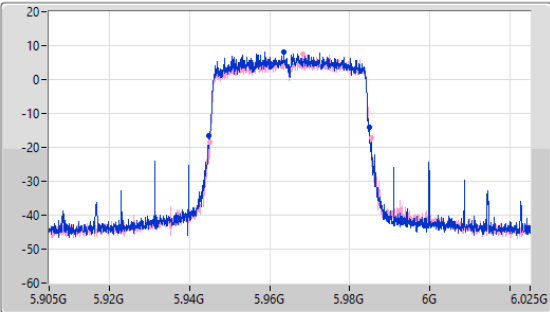
5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

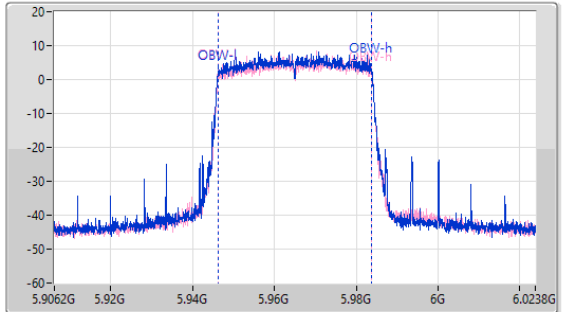
5965MHz

14/11/2022

CF: 5.965GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 5.965GHz
 Span: 117.6MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	5.9449G	5.98498G	37.554M	5.946252G	5.983807G	Inf	1
40.44M	5.94496G	5.9854G	37.554M	5.946311G	5.983865G	Inf	2

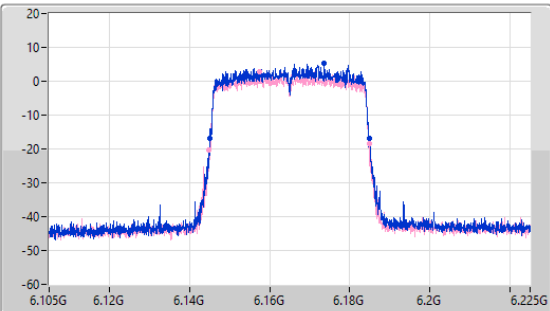
5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

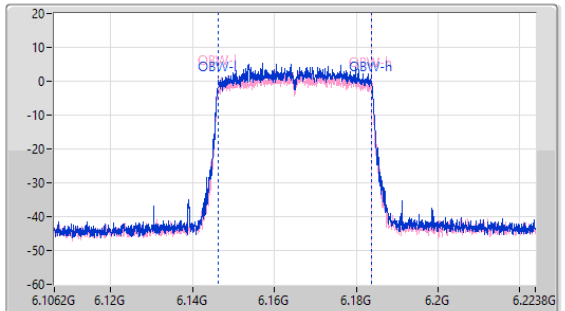
6165MHz

14/11/2022

CF: 6.165GHz
 Span: 120MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 6.165GHz
 Span: 117.6MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak

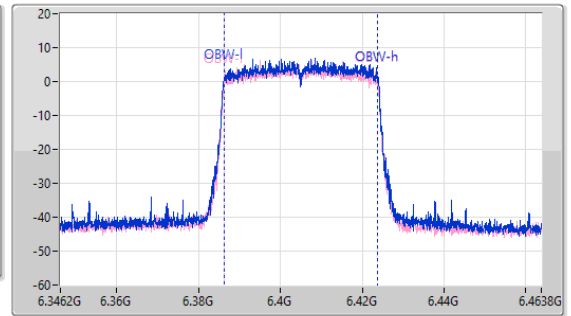
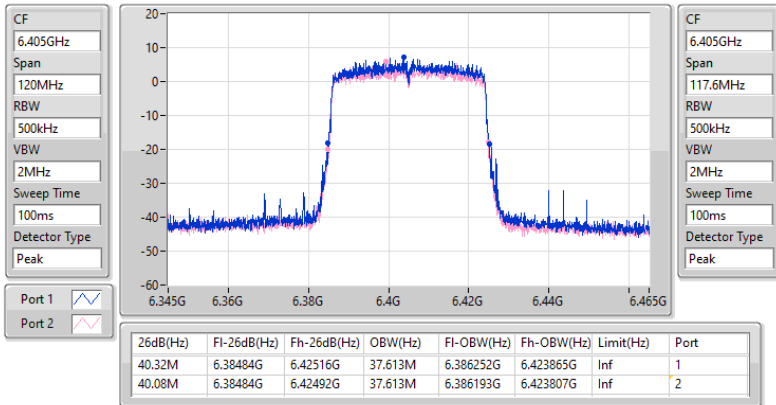


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.08M	6.14496G	6.18504G	37.554M	6.146252G	6.183807G	Inf	1
40.2M	6.14484G	6.18504G	37.672M	6.146193G	6.183865G	Inf	2

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

EBW

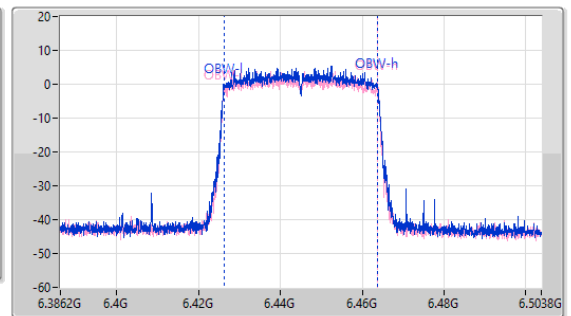
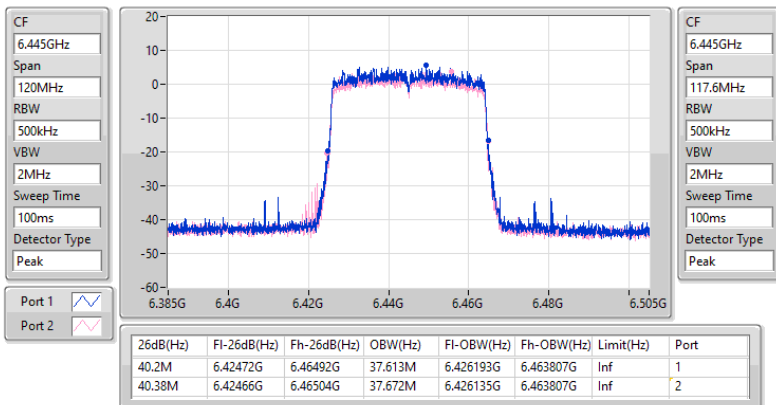
14/11/2022



6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
6445MHz

EBW

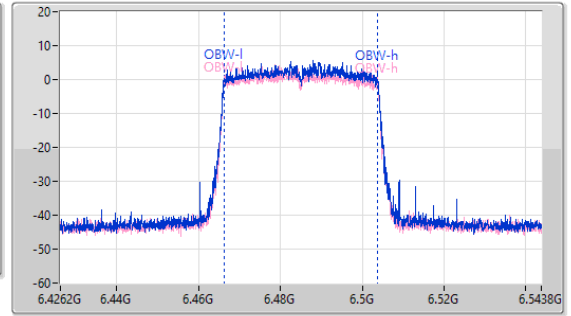
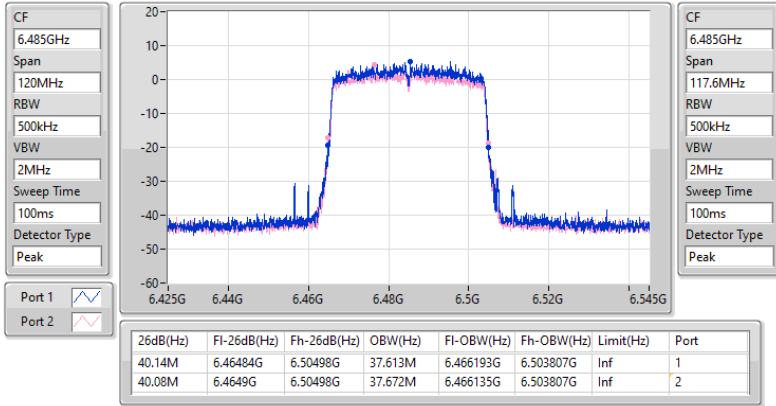
14/11/2022



6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
6485MHz

EBW

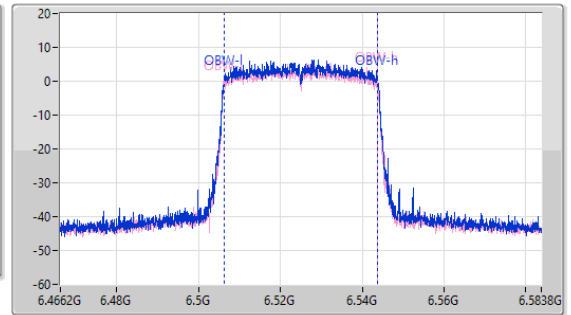
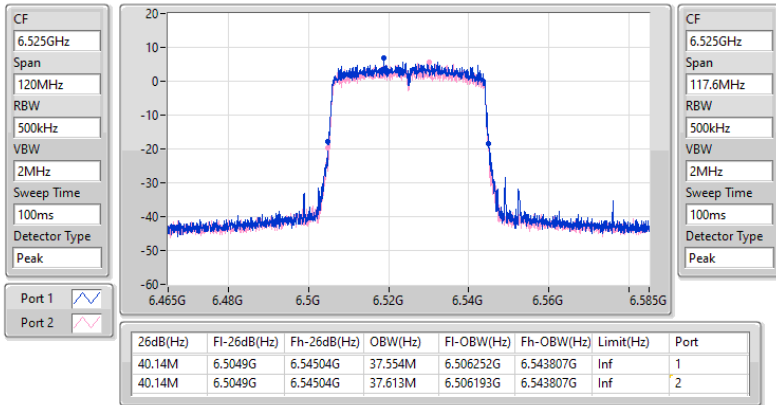
14/11/2022



6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
6525MHz

EBW

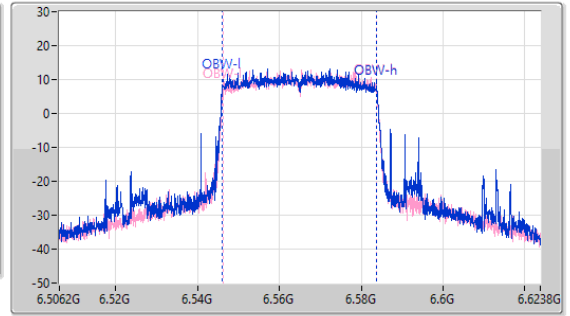
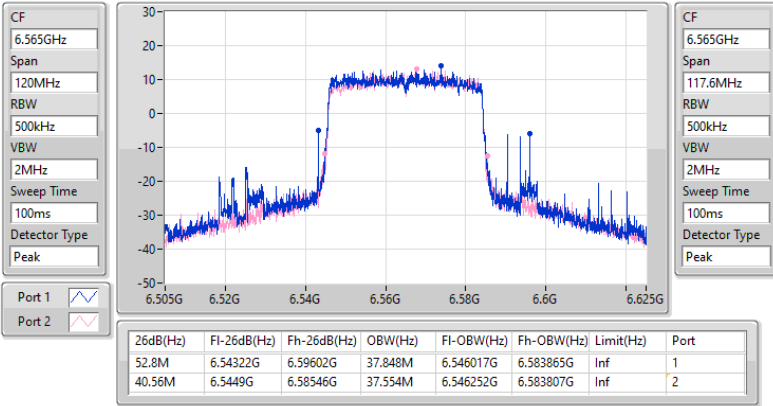
14/11/2022



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

EBW

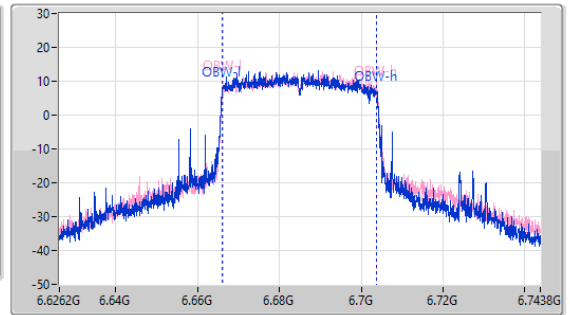
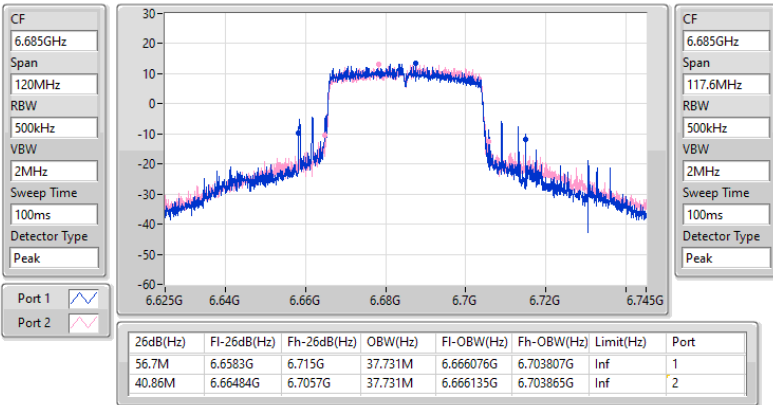
14/11/2022



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

EBW

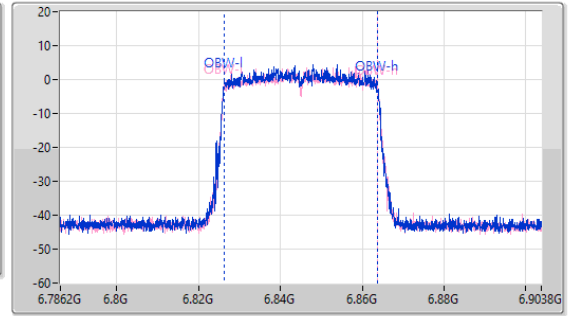
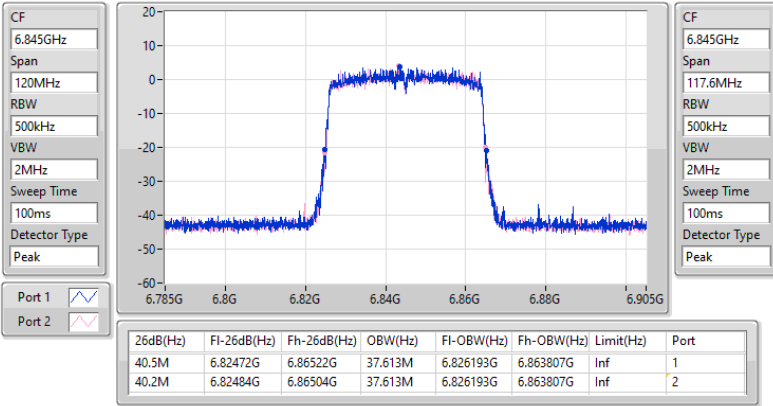
14/11/2022



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

EBW

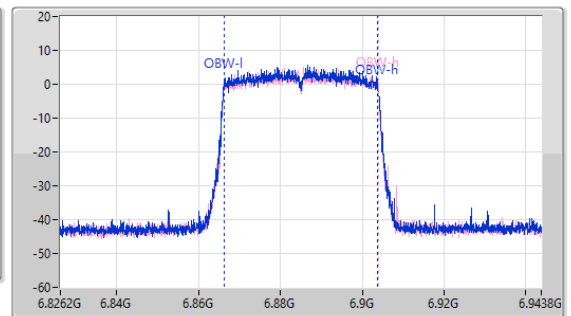
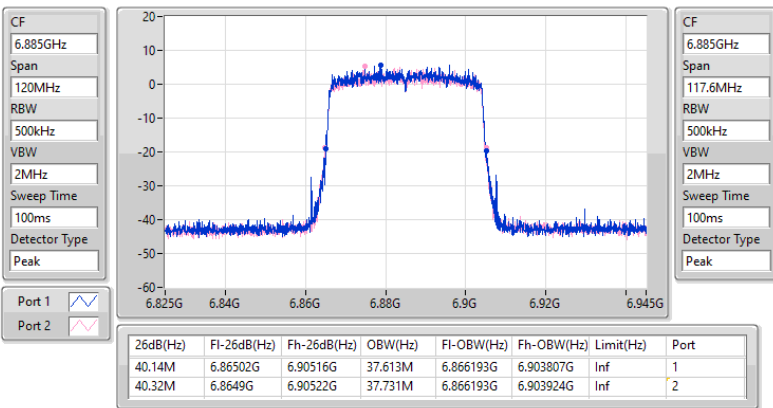
14/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
6885MHz

EBW

14/11/2022

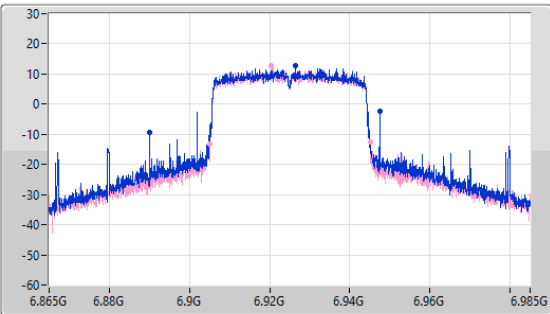


6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
6925MHz

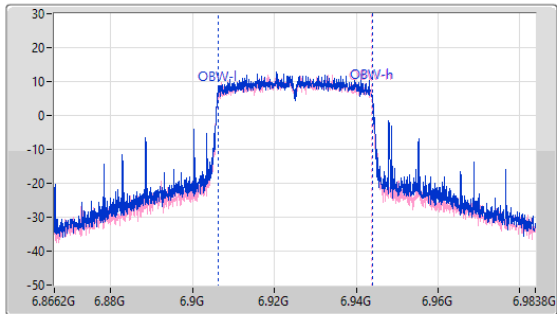
EBW

14/11/2022

CF: 6.925GHz
Span: 120MHz
RBW: 500kHz
VBW: 2MHz
Sweep Time: 100ms
Detector Type: Peak
Port 1: [Waveform icon]
Port 2: [Waveform icon]



CF: 6.925GHz
Span: 117.6MHz
RBW: 500kHz
VBW: 2MHz
Sweep Time: 100ms
Detector Type: Peak



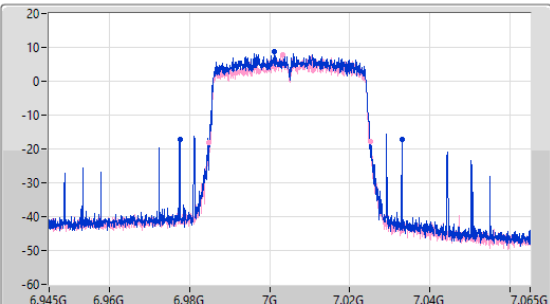
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
57.48M	6.89008G	6.94756G	37.79M	6.906135G	6.943924G	Inf	1
40.08M	6.90508G	6.94516G	37.672M	6.906135G	6.943807G	Inf	2

6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
7005MHz

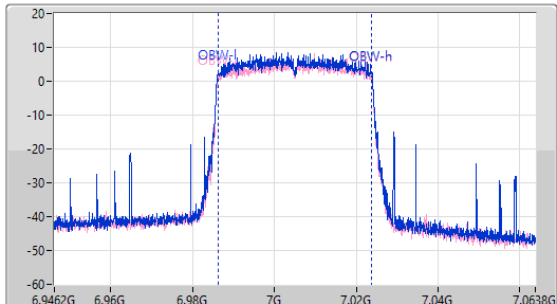
EBW

14/11/2022

CF: 7.005GHz
Span: 120MHz
RBW: 500kHz
VBW: 2MHz
Sweep Time: 100ms
Detector Type: Peak
Port 1: [Waveform icon]
Port 2: [Waveform icon]



CF: 7.005GHz
Span: 117.6MHz
RBW: 500kHz
VBW: 2MHz
Sweep Time: 100ms
Detector Type: Peak

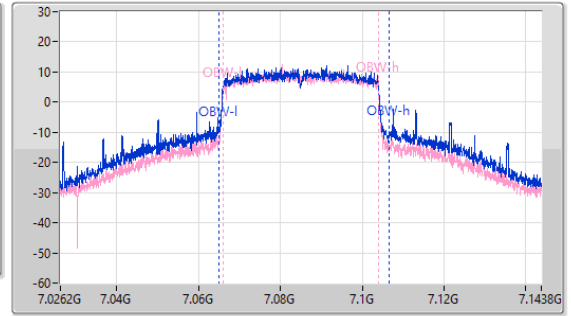
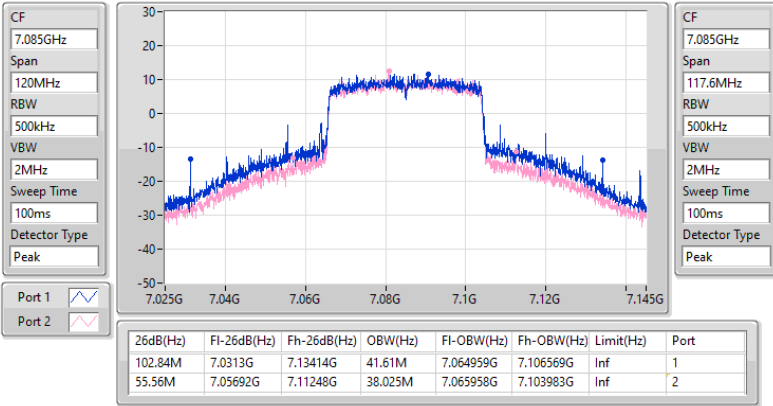


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
55.44M	6.97758G	7.03302G	37.554M	6.986193G	7.023748G	Inf	1
40.38M	6.98484G	7.02522G	37.613M	6.986193G	7.023807G	Inf	2

6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_2TX
7085MHz

EBW

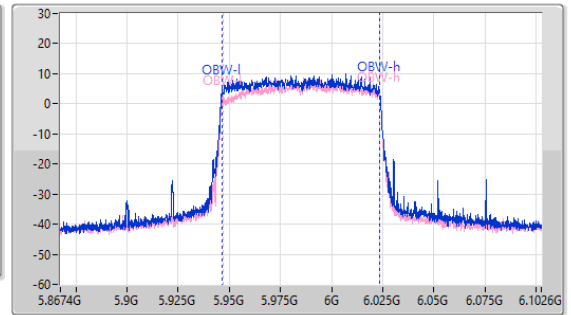
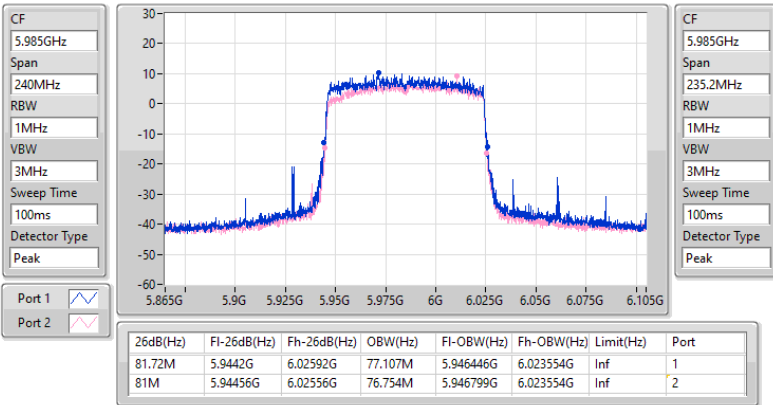
14/11/2022



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

EBW

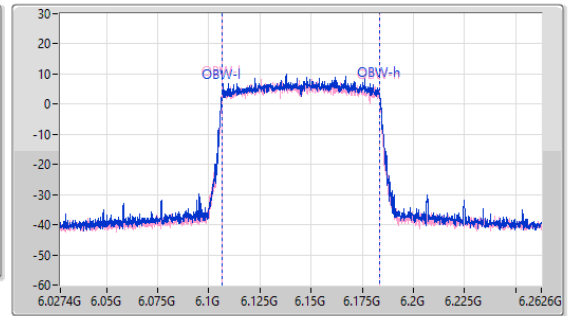
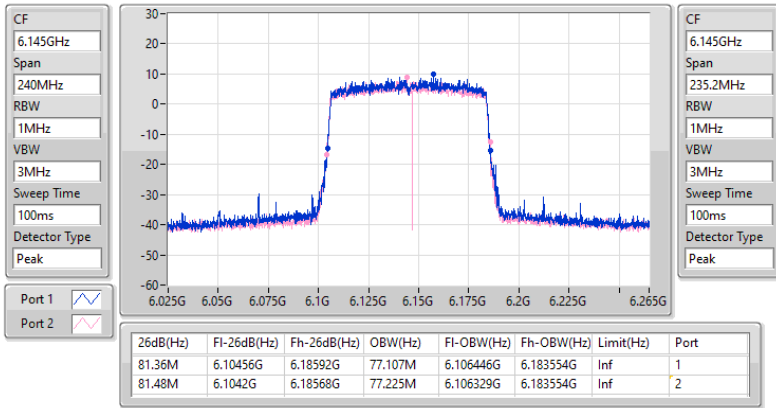
14/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
6145MHz

EBW

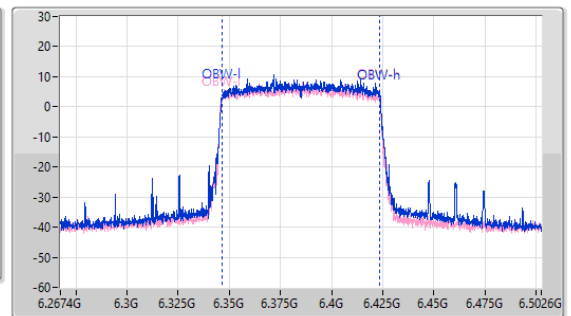
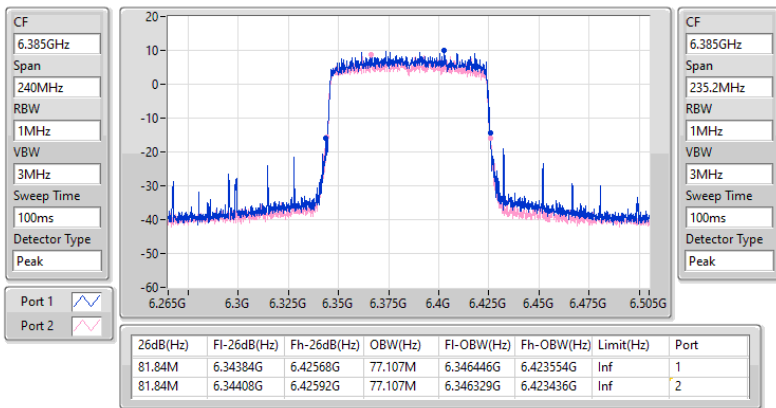
14/11/2022



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

EBW

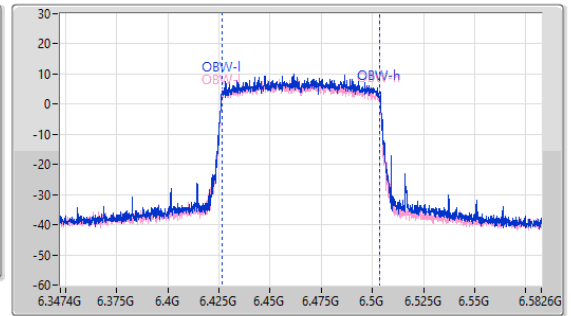
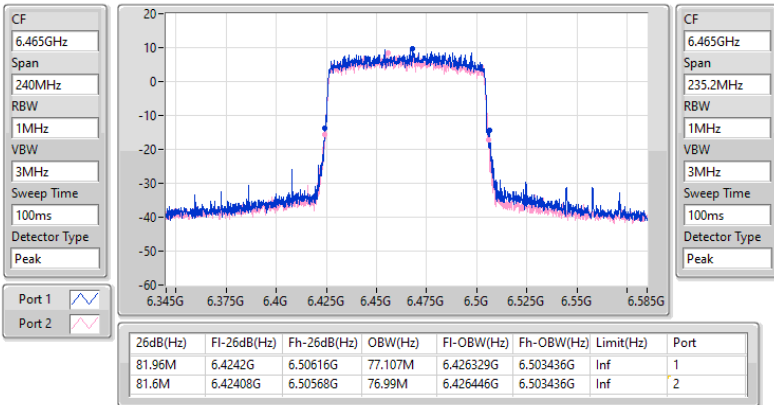
14/11/2022



6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
6465MHz

EBW

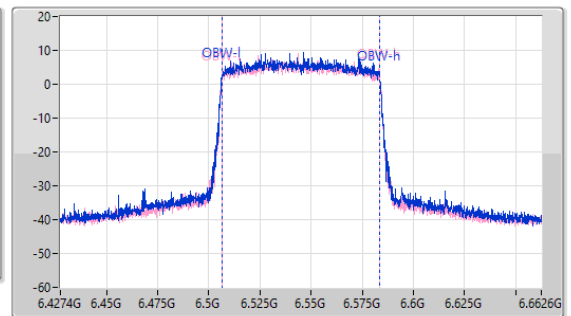
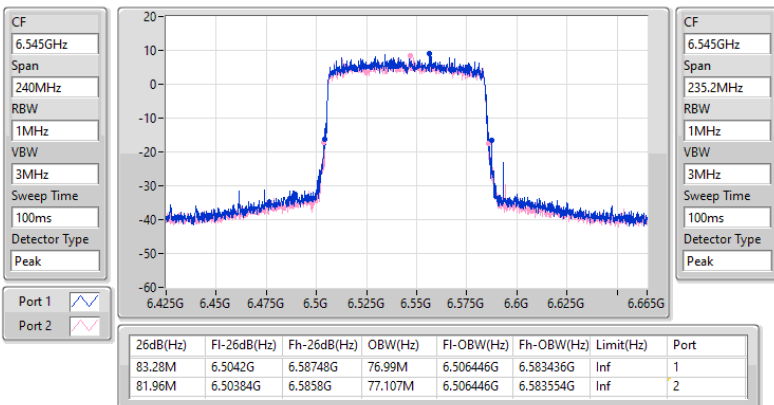
14/11/2022



6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
6545MHz

EBW

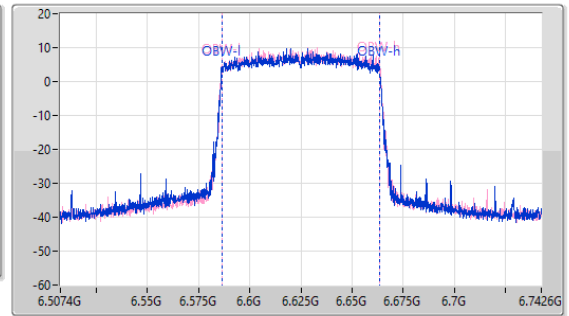
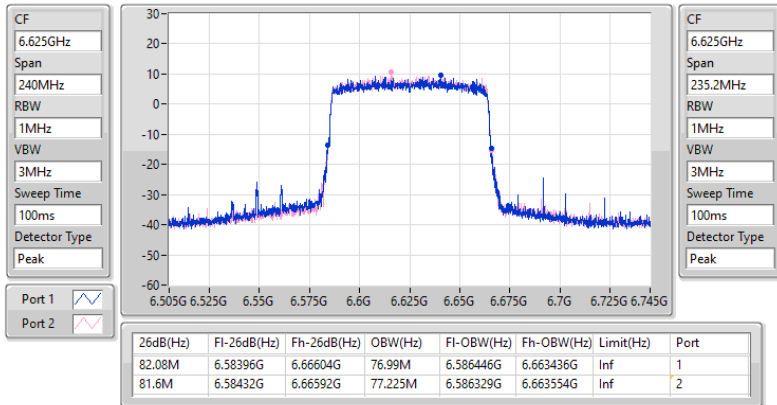
14/11/2022



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

EBW

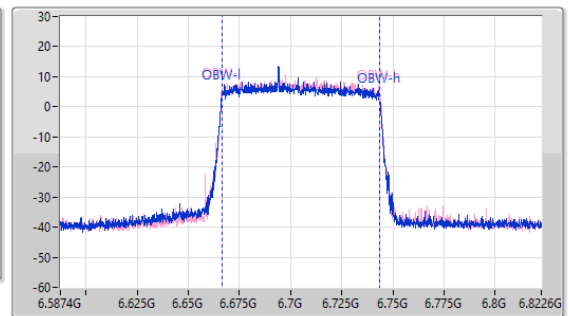
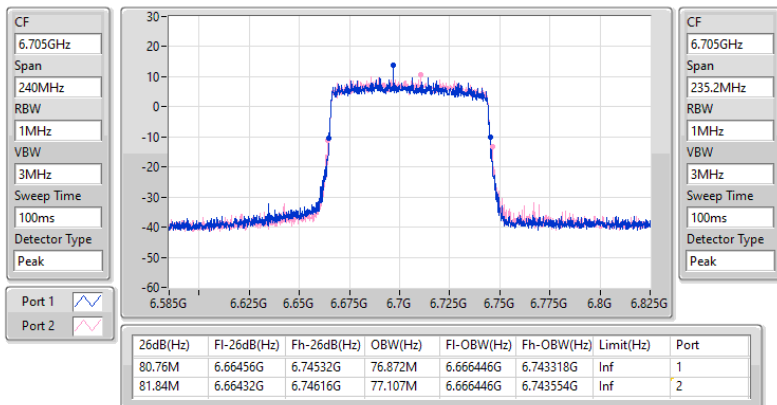
14/11/2022



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

EBW

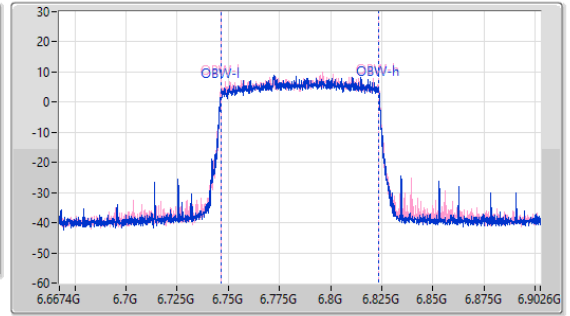
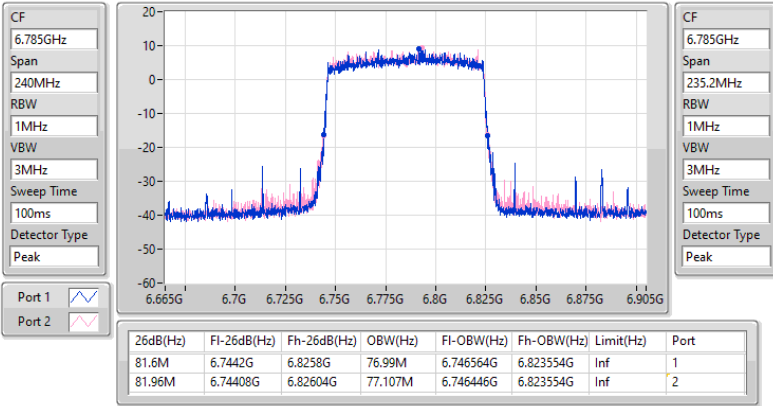
14/11/2022



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

EBW

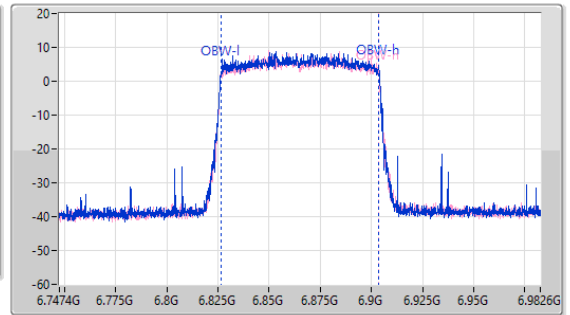
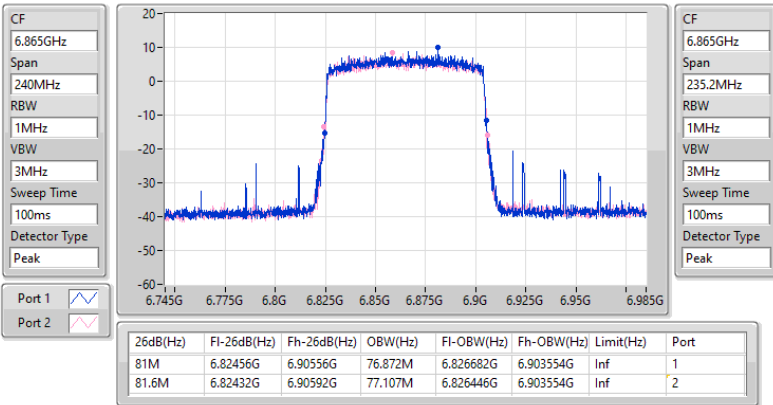
14/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
6865MHz

EBW

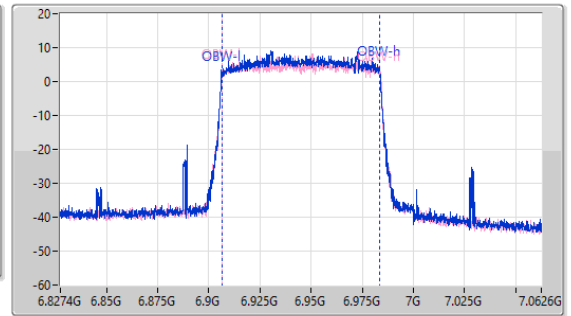
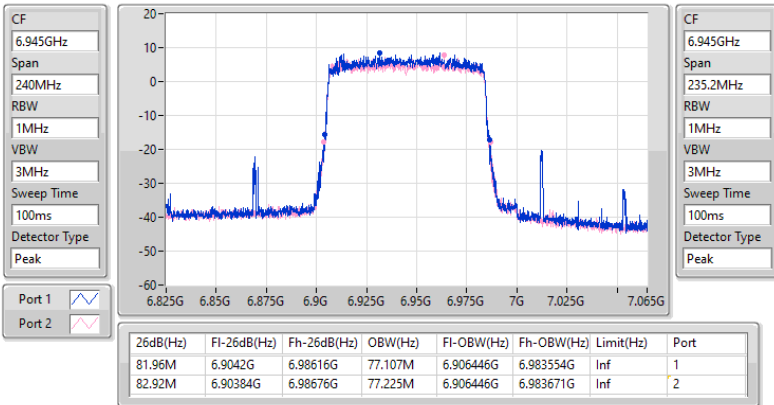
14/11/2022



6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
6945MHz

EBW

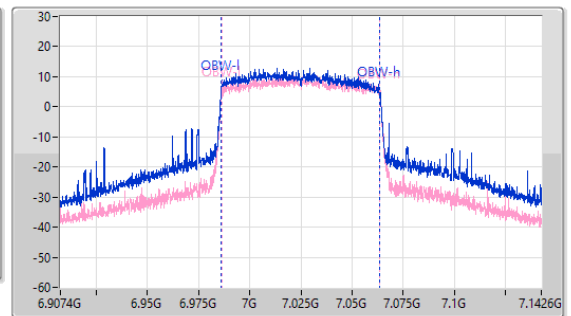
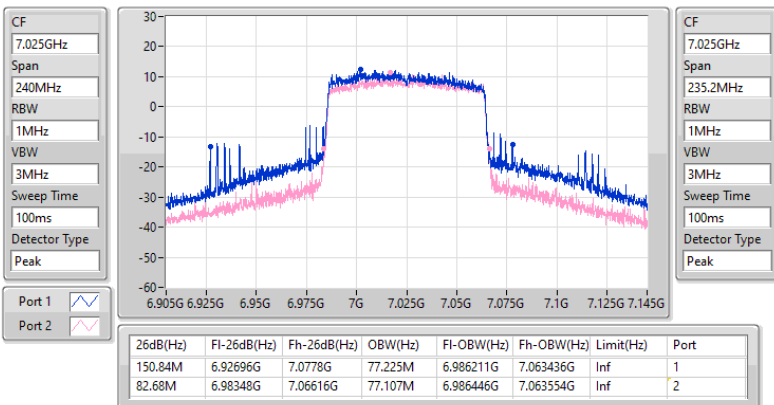
14/11/2022



6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_2TX
7025MHz

EBW

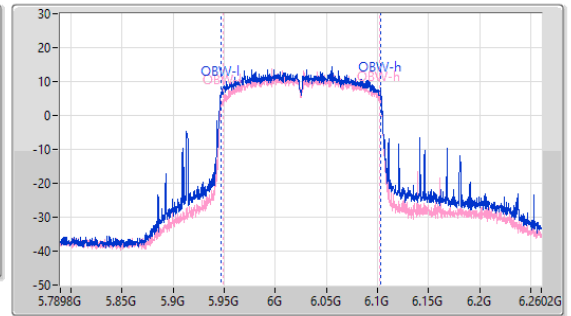
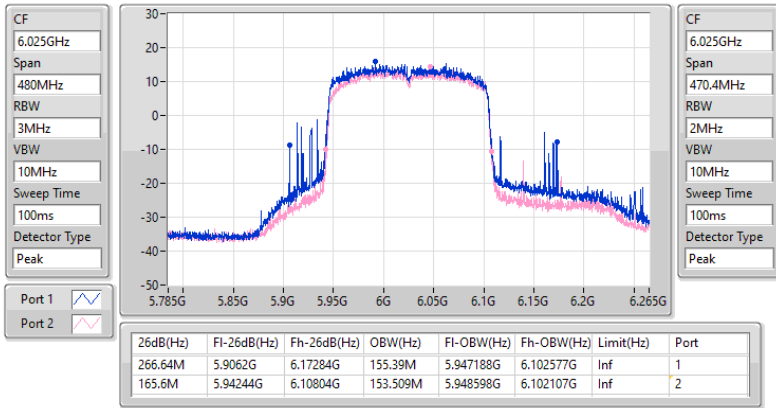
14/11/2022



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

EBW

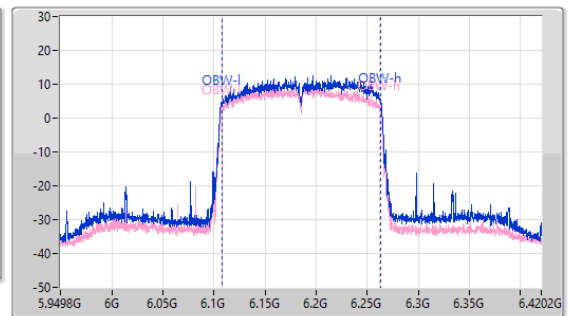
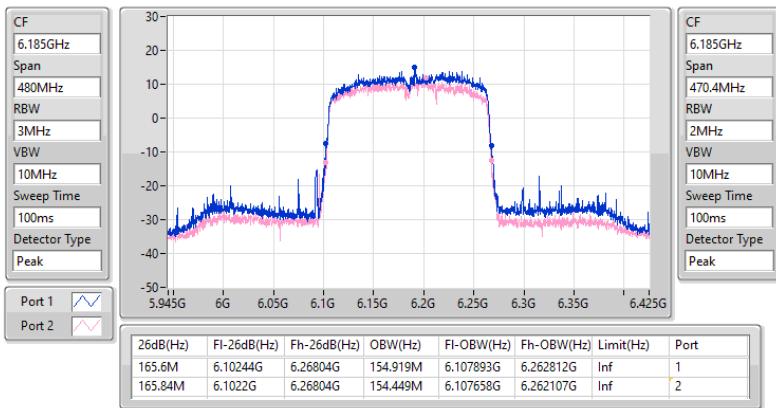
14/11/2022



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

EBW

14/11/2022

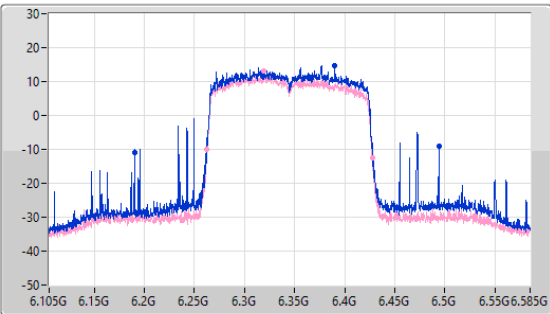


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
6345MHz

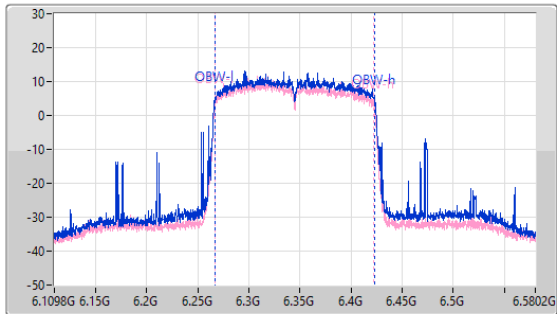
EBW

14/11/2022

CF
6.345GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.345GHz
Span
470.4MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



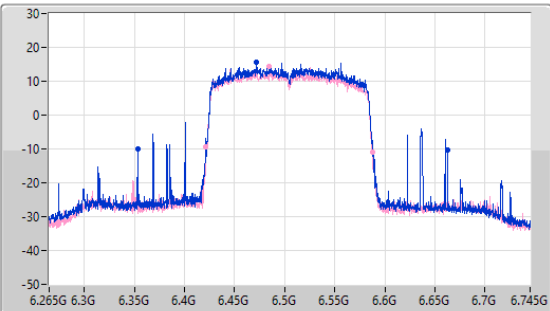
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
304.08M	6.18996G	6.49404G	155.39M	6.267188G	6.422577G	Inf	1
166.08M	6.26172G	6.4278G	154.919M	6.267188G	6.422107G	Inf	2

6.425-6.525GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
6505MHz

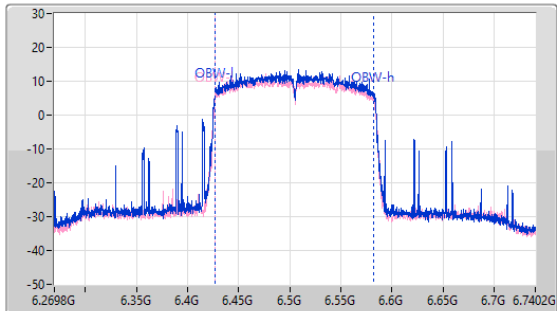
EBW

14/11/2022

CF
6.505GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.505GHz
Span
470.4MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



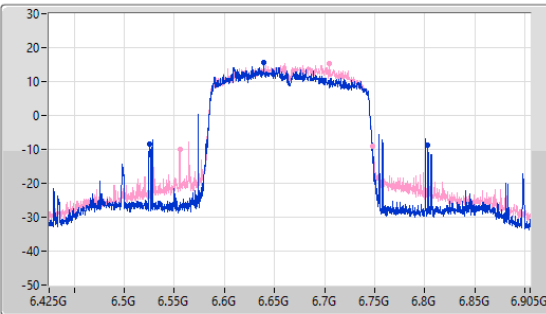
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
309.6M	6.35332G	6.66292G	155.39M	6.426953G	6.582342G	Inf	1
166.56M	6.42124G	6.5878G	154.919M	6.427188G	6.582107G	Inf	2

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

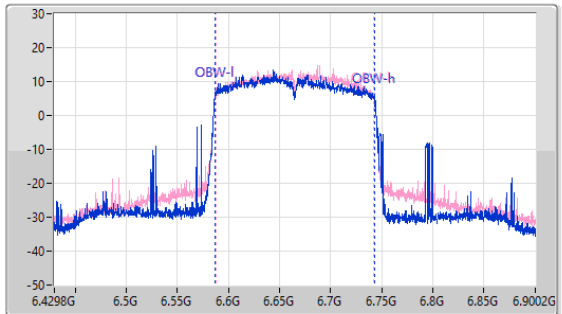
EBW

14/11/2022

CF
6.665GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.665GHz
Span
470.4MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



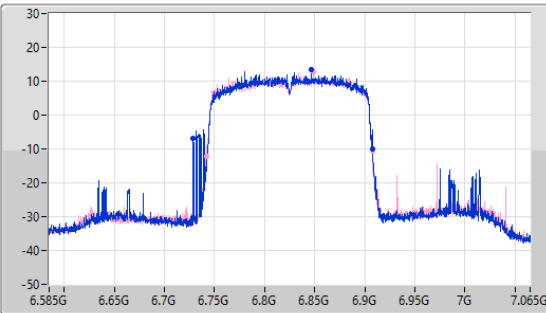
26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
277.68M	6.52532G	6.803G	155.39M	6.587188G	6.742577G	Inf	1
192.24M	6.55532G	6.74756G	154.449M	6.587658G	6.742107G	Inf	2

6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
6825MHz

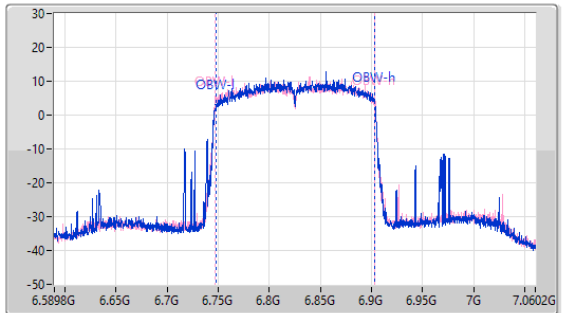
EBW

14/11/2022

CF
6.825GHz
Span
480MHz
RBW
3MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak



CF
6.825GHz
Span
470.4MHz
RBW
2MHz
VBW
10MHz
Sweep Time
100ms
Detector Type
Peak

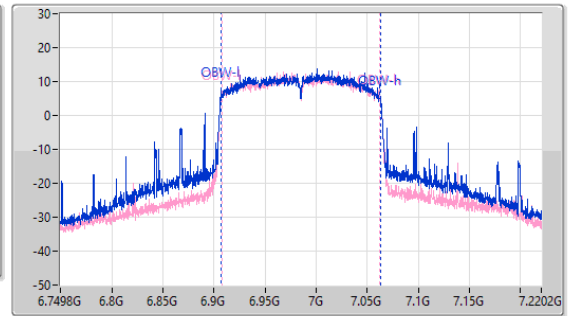
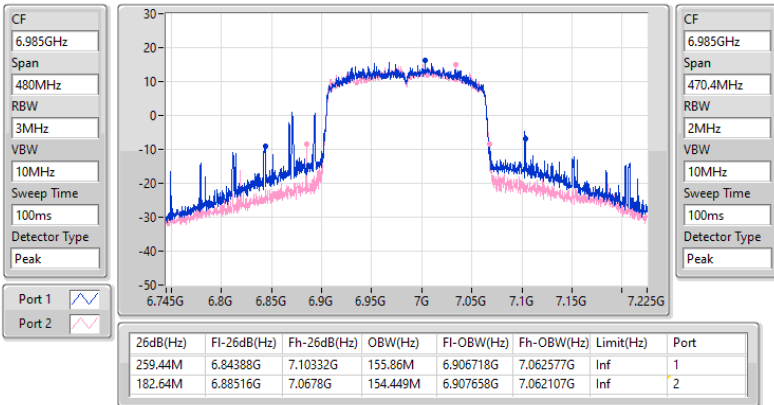


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
179.28M	6.72876G	6.90804G	154.919M	6.747893G	6.902812G	Inf	1
166.32M	6.74172G	6.90804G	155.39M	6.747423G	6.902812G	Inf	2

6.875-7.125GHz_802.11ax HEW160-BF_Nss1,(MCS0)_2TX
6985MHz

EBW

14/11/2022





Summary

Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.34	0.03420
802.11ax HEW20_Nss1,(MCS0)_2TX	17.50	0.05623
802.11ax HEW40_Nss1,(MCS0)_2TX	19.98	0.09954
802.11ax HEW80_Nss1,(MCS0)_2TX	22.90	0.19498
802.11ax HEW160_Nss1,(MCS0)_2TX	23.88	0.24434
6.425-6.525GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	14.98	0.03148
802.11ax HEW20_Nss1,(MCS0)_2TX	14.97	0.03141
802.11ax HEW40_Nss1,(MCS0)_2TX	18.34	0.06823
802.11ax HEW80_Nss1,(MCS0)_2TX	20.46	0.11117
802.11ax HEW160_Nss1,(MCS0)_2TX	23.37	0.21727
6.525-6.875GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.40	0.03467
802.11ax HEW20_Nss1,(MCS0)_2TX	15.52	0.03565
802.11ax HEW40_Nss1,(MCS0)_2TX	18.43	0.06966
802.11ax HEW80_Nss1,(MCS0)_2TX	21.43	0.13900
802.11ax HEW160_Nss1,(MCS0)_2TX	23.00	0.19953
6.875-7.125GHz	-	-
802.11a_Nss1,(6Mbps)_2TX	15.10	0.03236
802.11ax HEW20_Nss1,(MCS0)_2TX	15.92	0.03908
802.11ax HEW40_Nss1,(MCS0)_2TX	19.12	0.08166
802.11ax HEW80_Nss1,(MCS0)_2TX	21.43	0.13900
802.11ax HEW160_Nss1,(MCS0)_2TX	23.41	0.21928



Result

Mode	Result	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11a_Nss1,(6Mbps)_2TX	-	-	-	-
5955MHz	Pass	Inf	14.24	30.00
6175MHz	Pass	Inf	15.34	30.00
6415MHz	Pass	Inf	14.62	30.00
6435MHz	Pass	Inf	14.98	30.00
6475MHz	Pass	Inf	14.62	30.00
6515MHz	Pass	Inf	14.59	30.00
6535MHz	Pass	Inf	15.40	30.00
6695MHz	Pass	Inf	14.58	30.00
6855MHz	Pass	Inf	14.32	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	14.39	30.00
6895MHz	Pass	Inf	15.00	30.00
6995MHz	Pass	Inf	15.10	30.00
7095MHz	Pass	Inf	14.26	30.00
7115MHz	Pass	Inf	9.87	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-
5955MHz	Pass	Inf	17.50	30.00
6175MHz	Pass	Inf	14.55	30.00
6415MHz	Pass	Inf	15.11	30.00
6435MHz	Pass	Inf	14.69	30.00
6475MHz	Pass	Inf	14.64	30.00
6515MHz	Pass	Inf	14.97	30.00
6535MHz	Pass	Inf	15.52	30.00
6695MHz	Pass	Inf	15.27	30.00
6855MHz	Pass	Inf	15.05	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	14.72	30.00
6895MHz	Pass	Inf	14.81	30.00
6995MHz	Pass	Inf	14.58	30.00
7095MHz	Pass	Inf	15.92	30.00
7115MHz	Pass	Inf	7.02	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-
5965MHz	Pass	Inf	19.98	30.00
6165MHz	Pass	Inf	18.06	30.00
6405MHz	Pass	Inf	18.04	30.00
6445MHz	Pass	Inf	18.34	30.00
6485MHz	Pass	Inf	17.70	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	17.52	30.00
6565MHz	Pass	Inf	17.81	30.00
6685MHz	Pass	Inf	17.21	30.00
6845MHz	Pass	Inf	17.76	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	18.43	30.00
6925MHz	Pass	Inf	18.87	30.00
7005MHz	Pass	Inf	17.50	30.00
7085MHz	Pass	Inf	19.12	30.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-
5985MHz	Pass	Inf	22.90	30.00
6145MHz	Pass	Inf	21.04	30.00
6385MHz	Pass	Inf	21.62	30.00
6465MHz	Pass	Inf	20.46	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	20.45	30.00
6625MHz	Pass	Inf	21.43	30.00
6705MHz	Pass	Inf	20.18	30.00
6785MHz	Pass	Inf	20.57	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	20.87	30.00
6945MHz	Pass	Inf	21.43	30.00

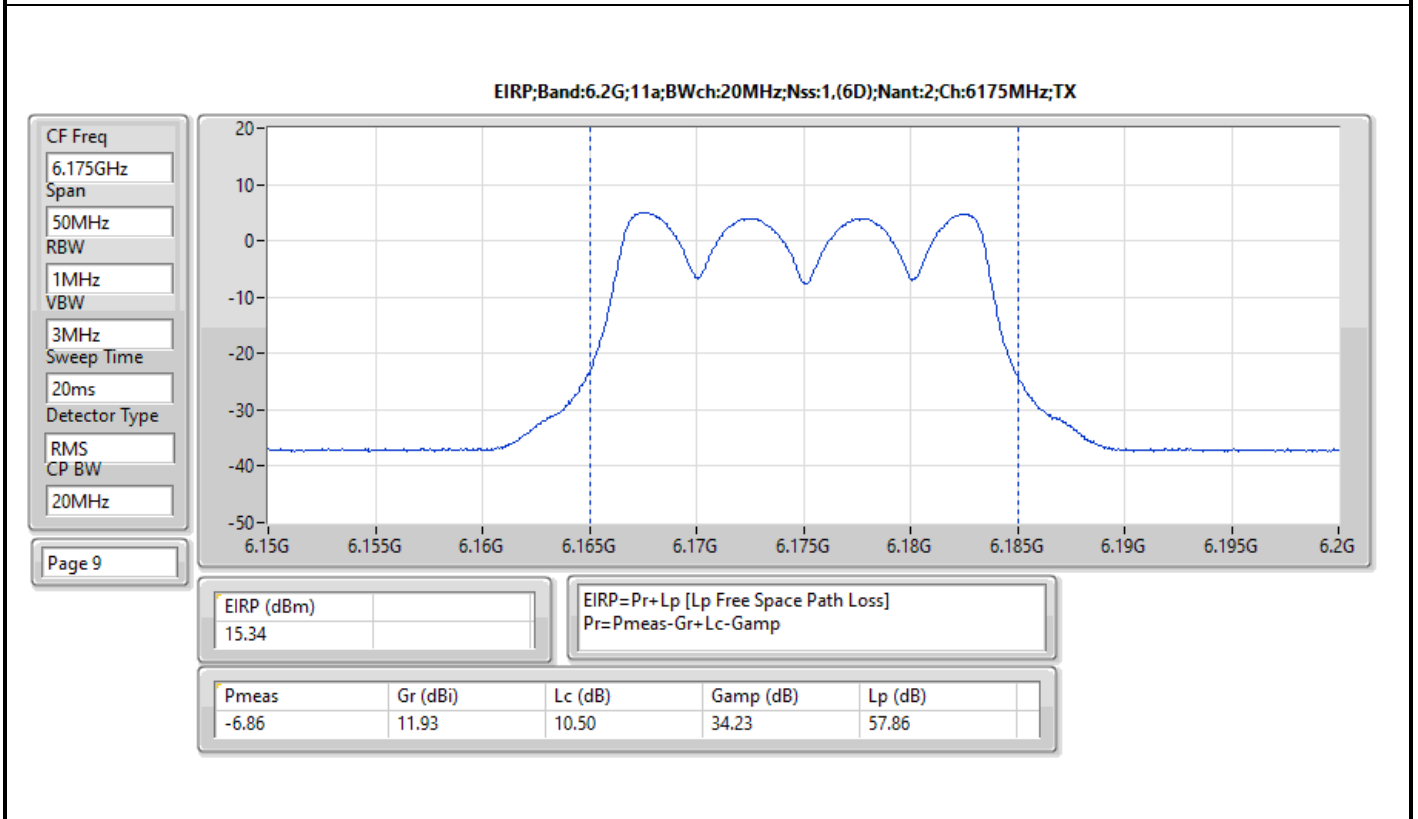
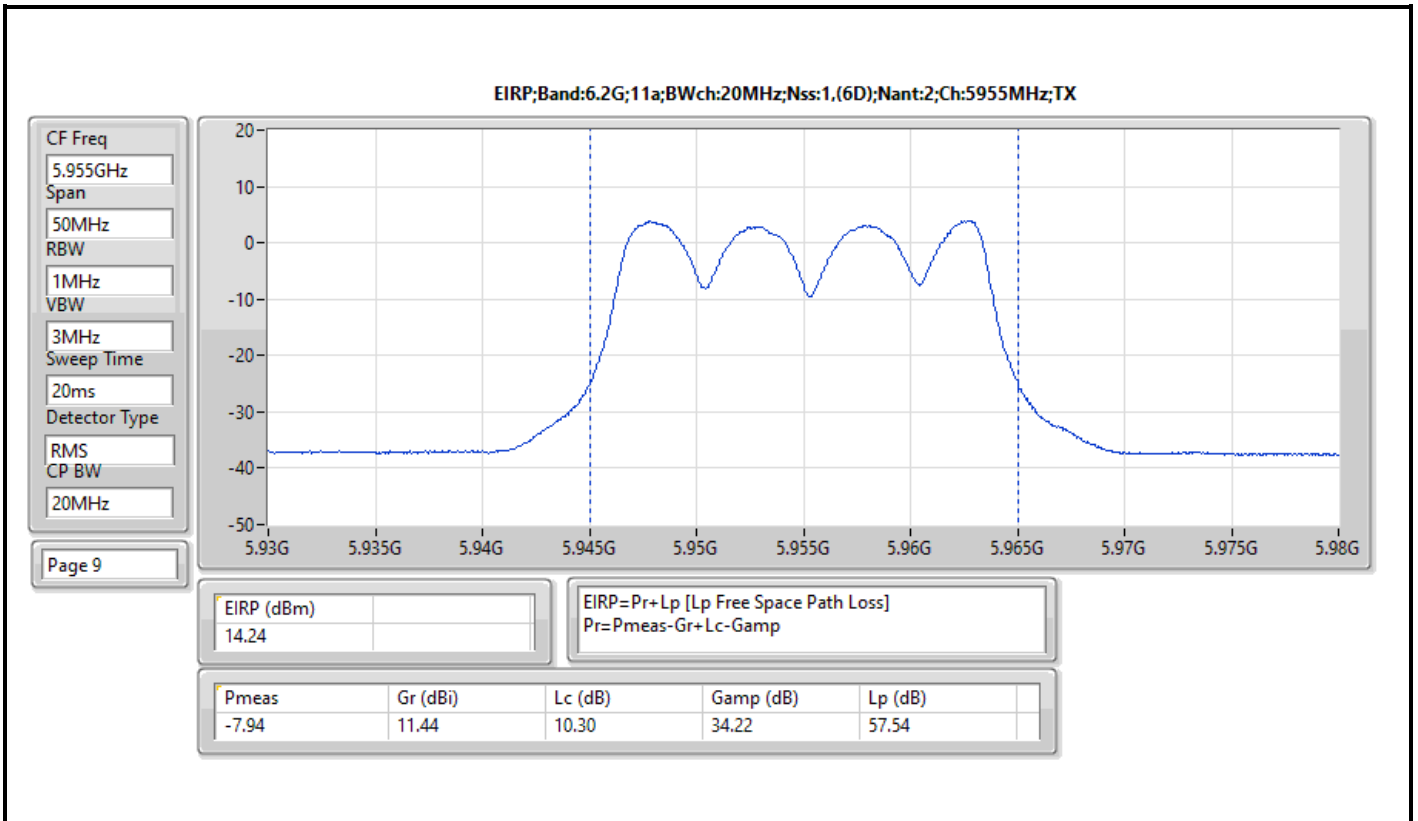


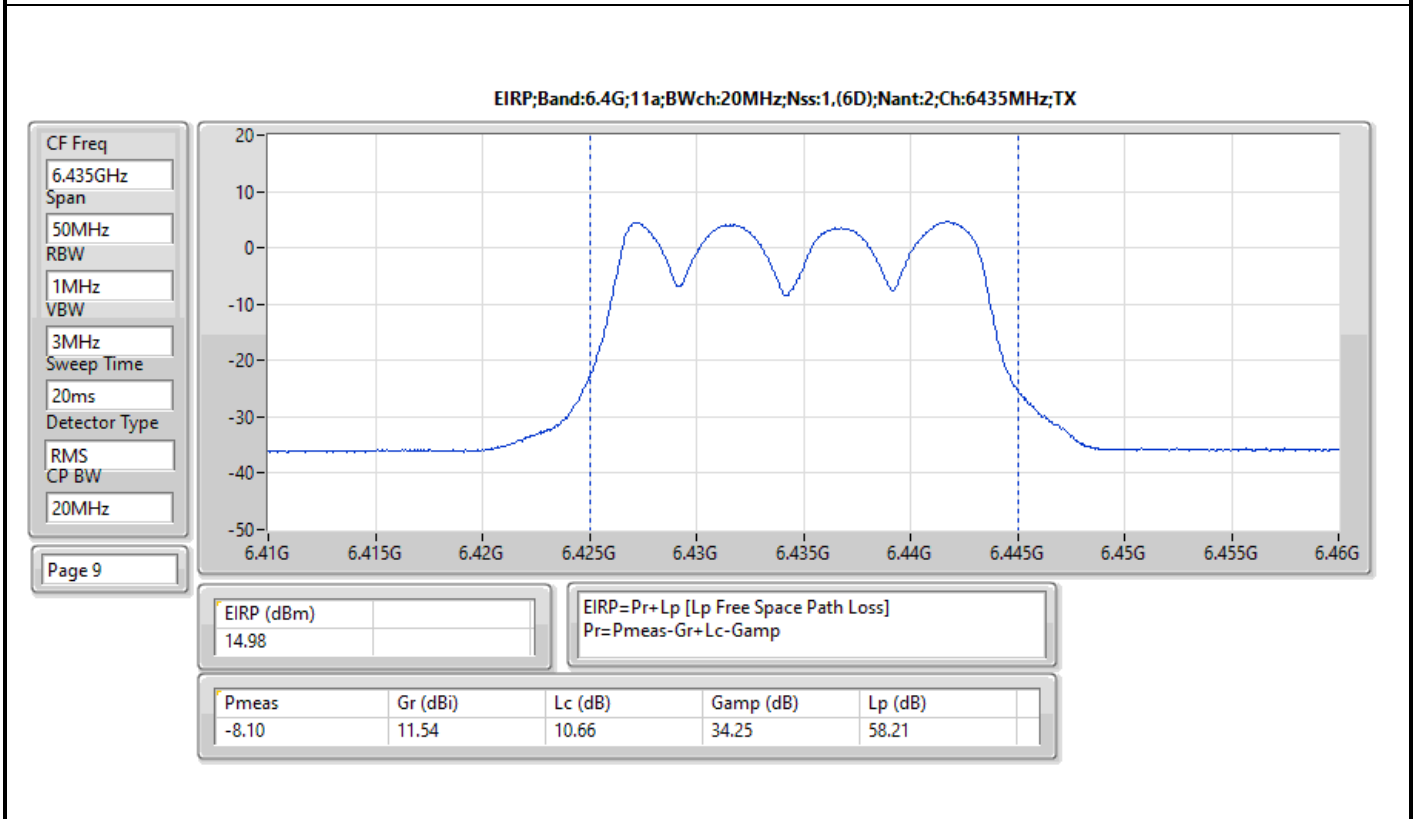
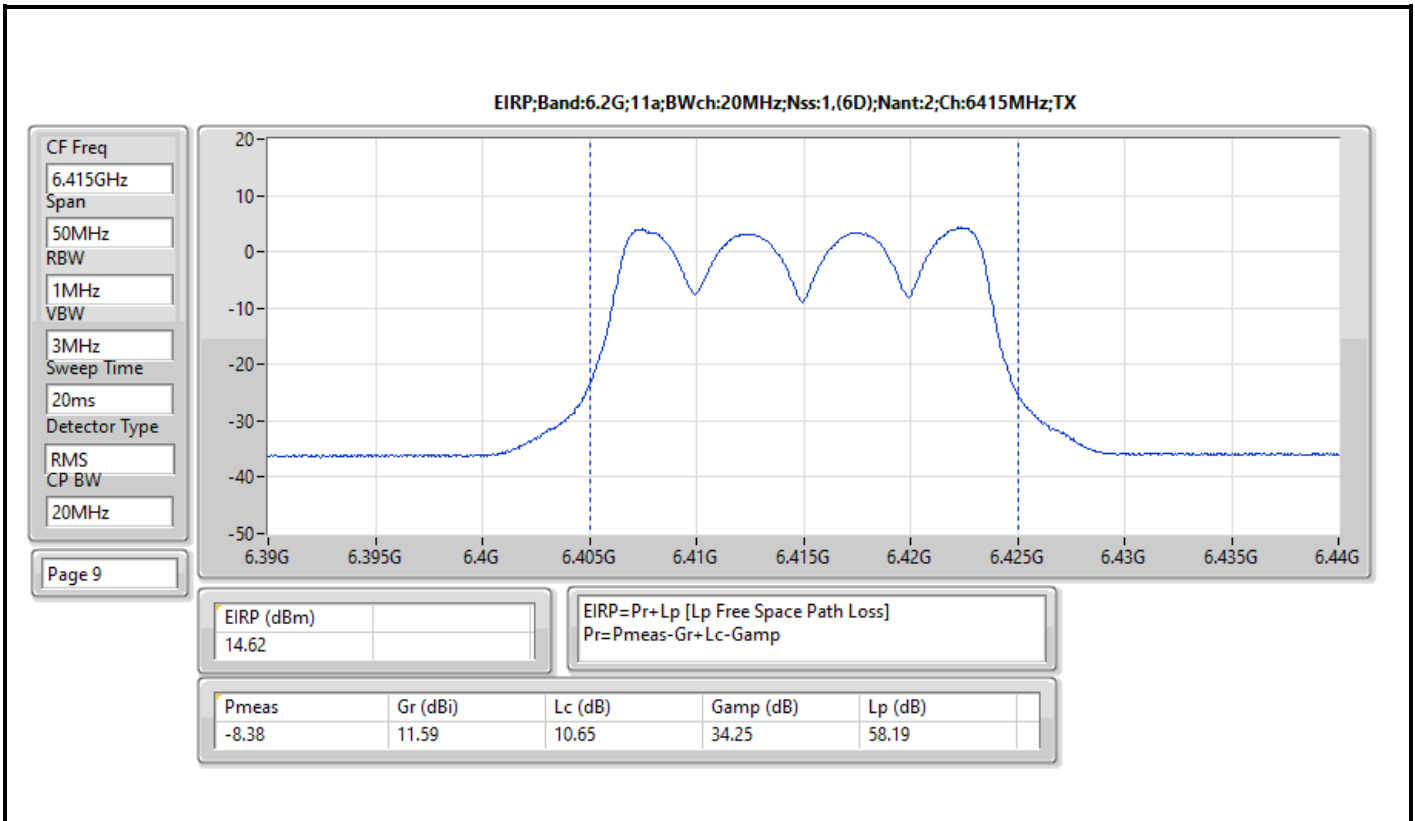
Average Power_Non-Beamforming

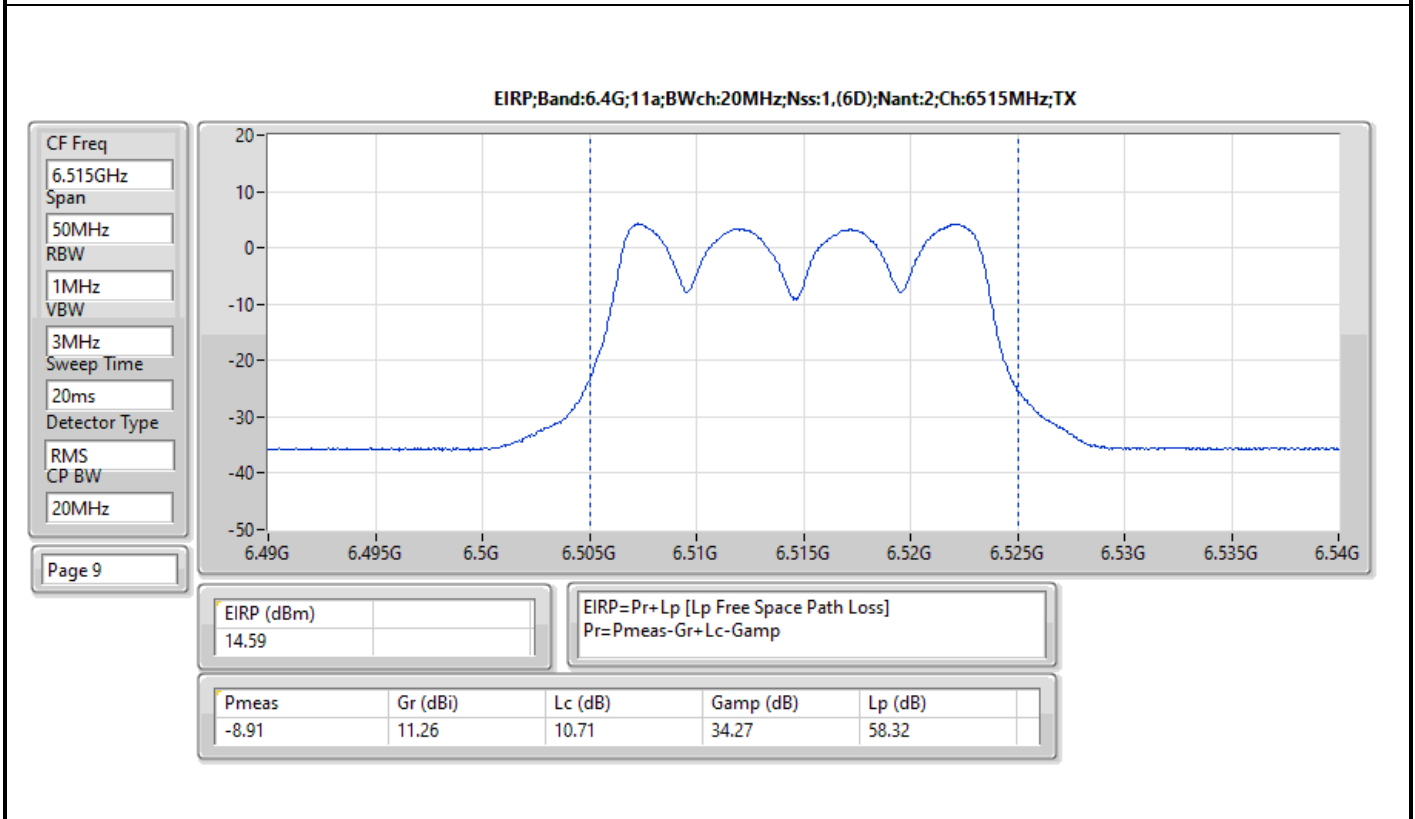
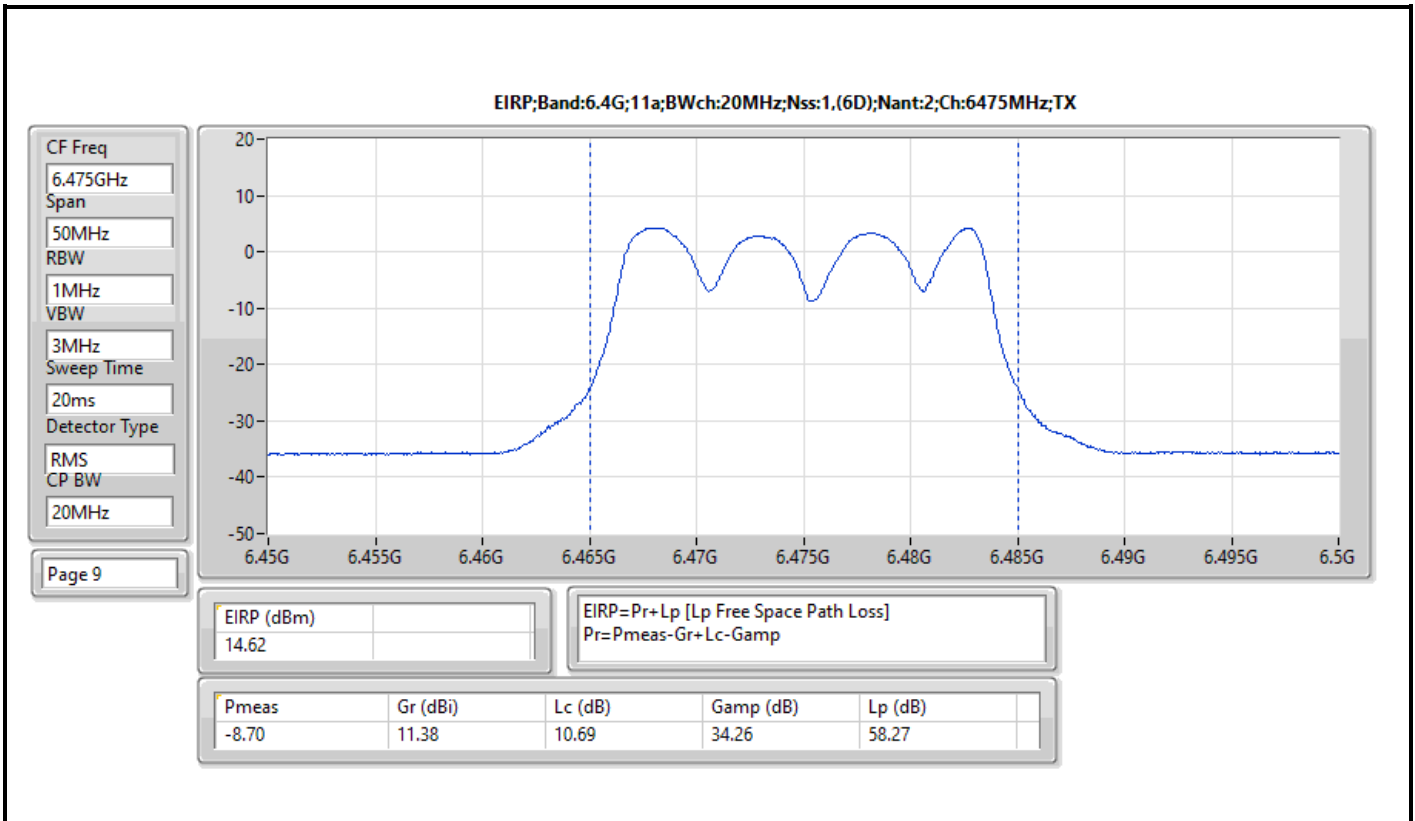
Appendix C.1

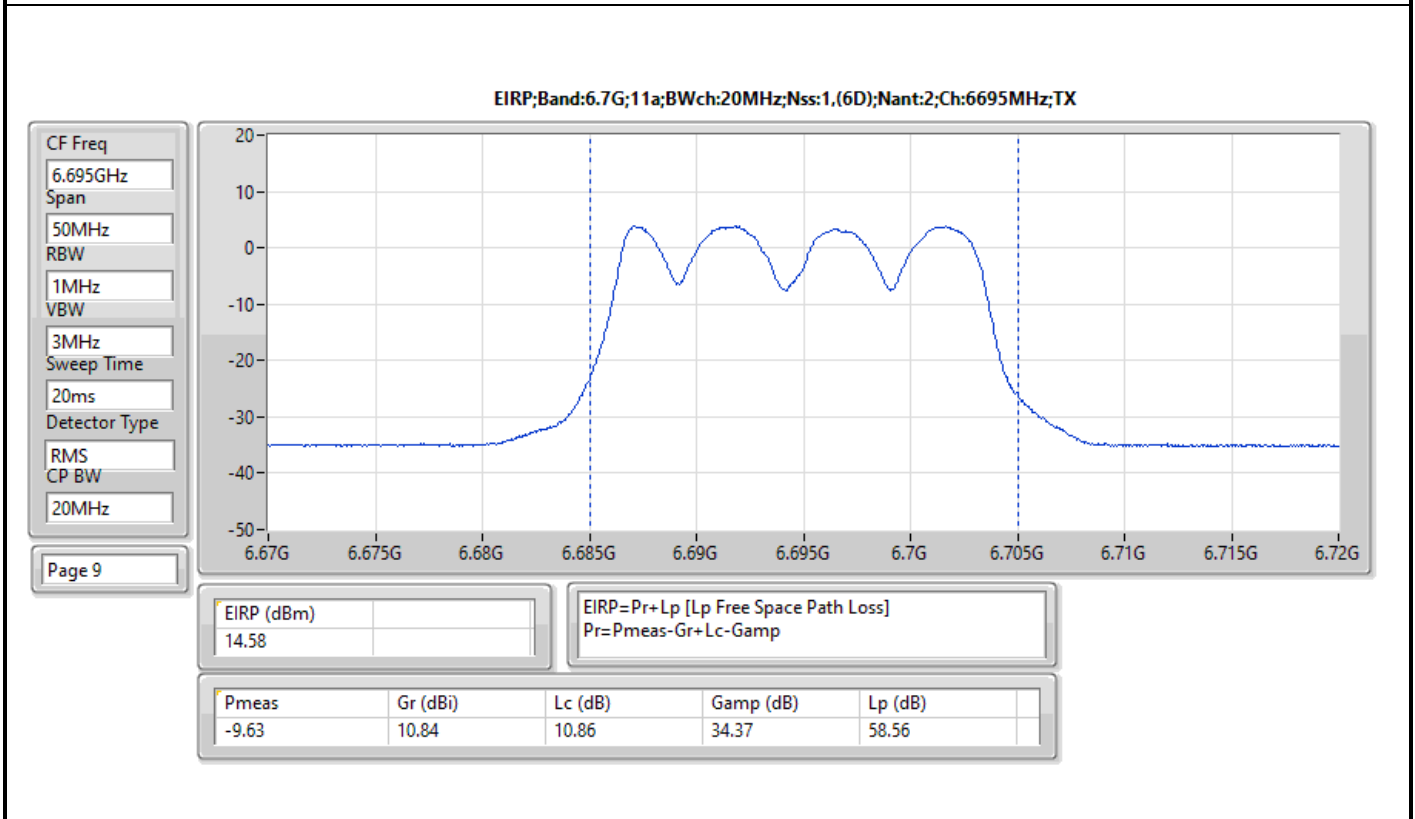
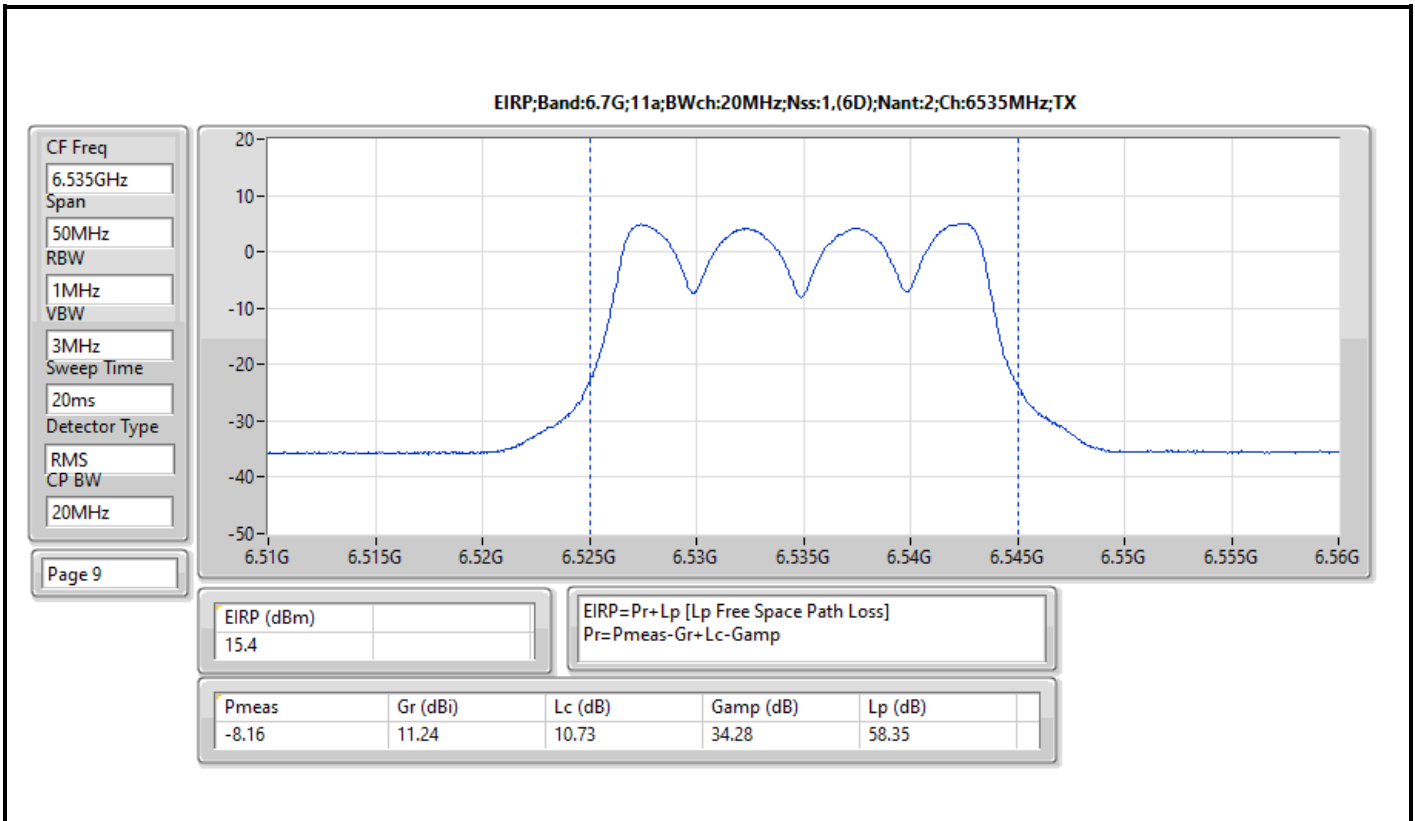
Mode	Result	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
7025MHz	Pass	Inf	21.03	30.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-
6025MHz	Pass	Inf	23.66	30.00
6185MHz	Pass	Inf	23.88	30.00
6345MHz	Pass	Inf	23.86	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	Inf	23.37	30.00
6665MHz	Pass	Inf	23.00	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	22.83	30.00
6985MHz	Pass	Inf	23.41	30.00

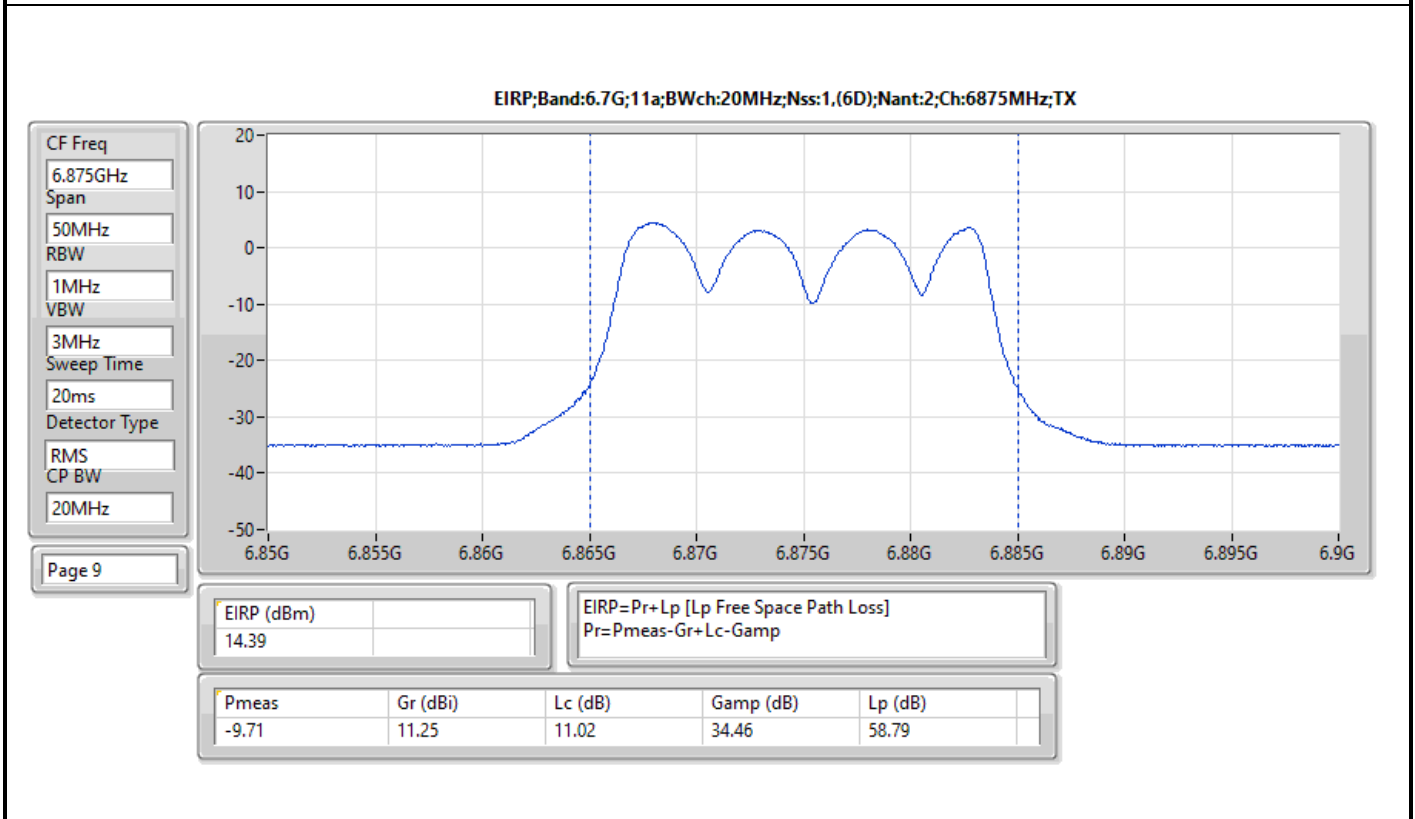
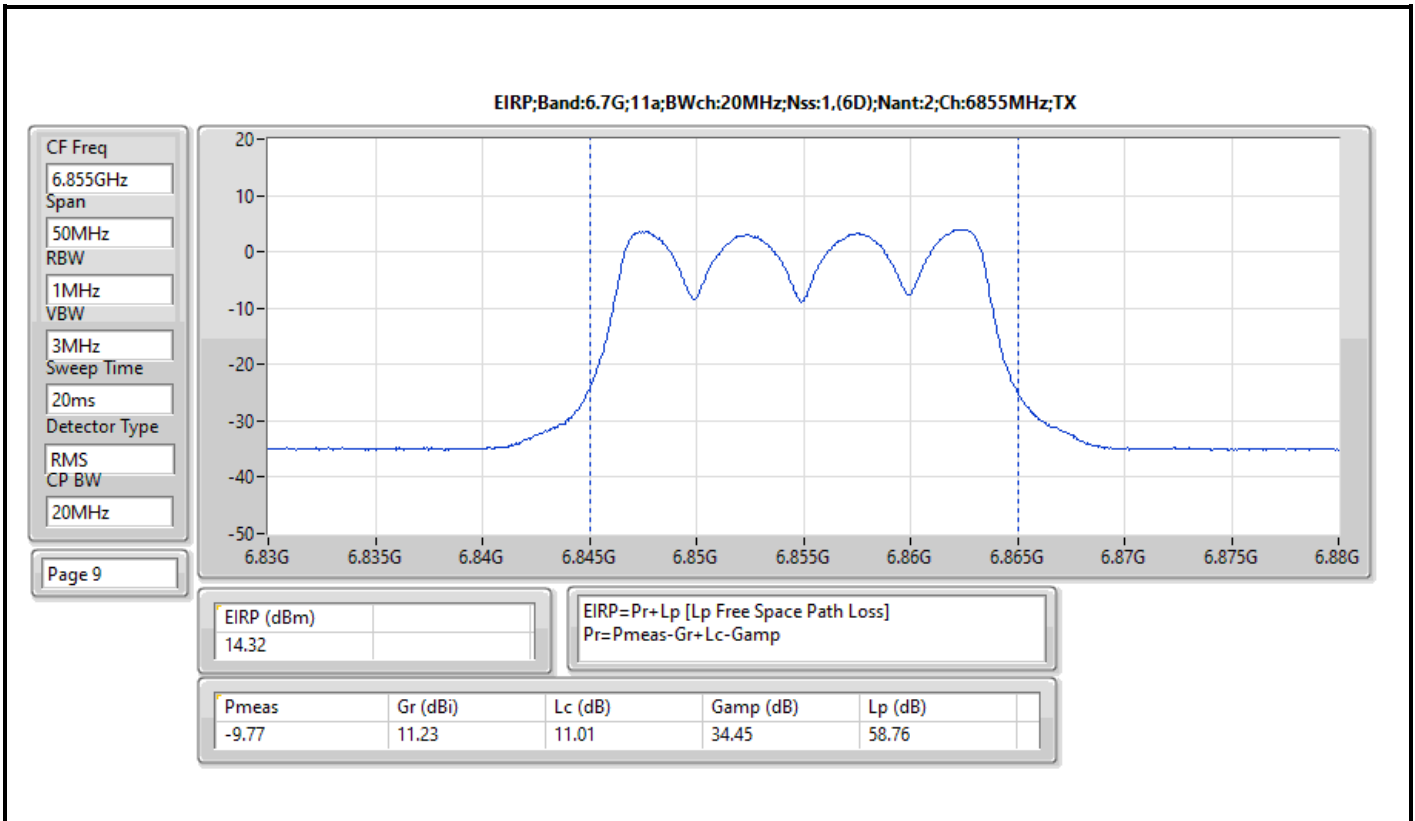
DG = Directional Gain; Port X = Port X output power

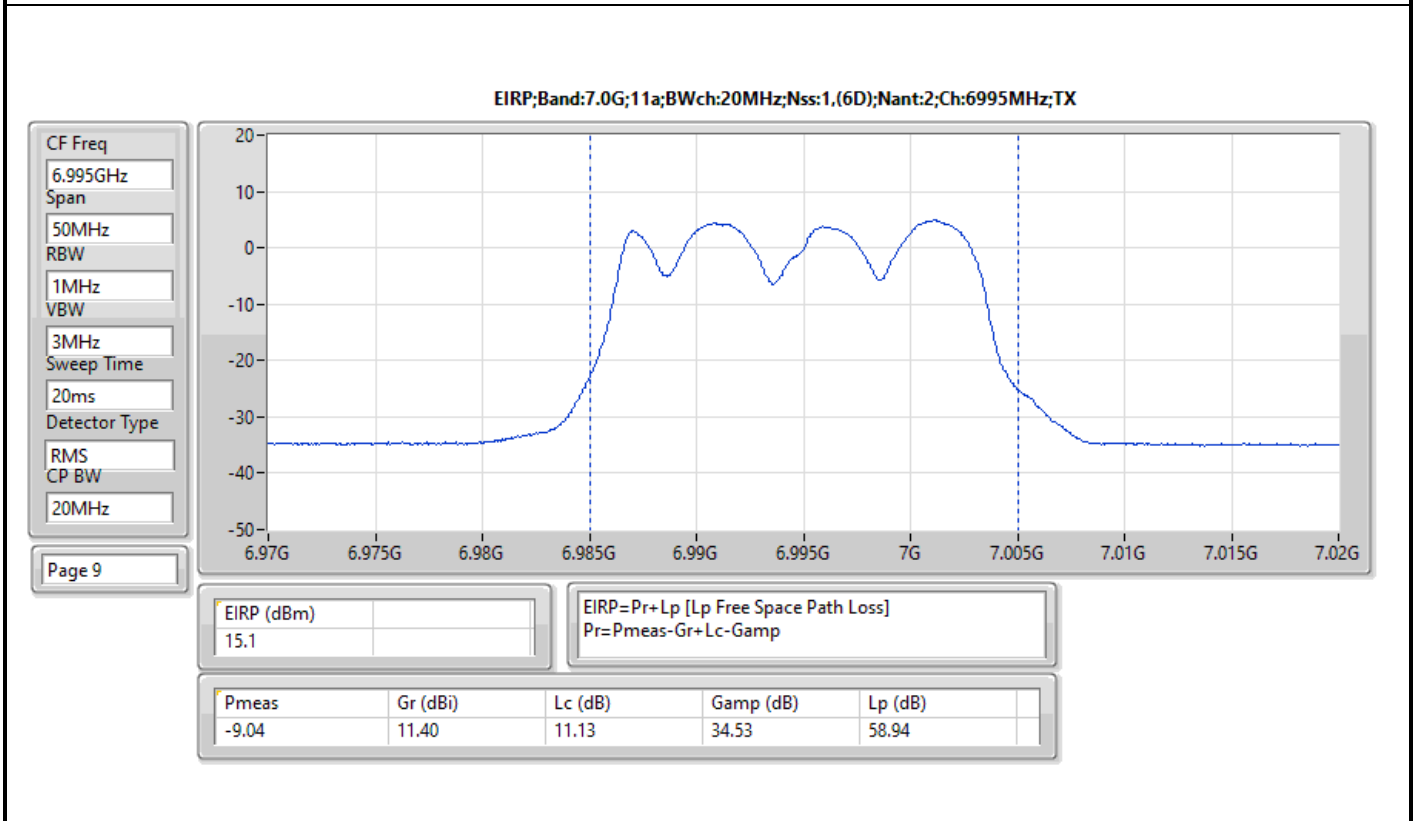
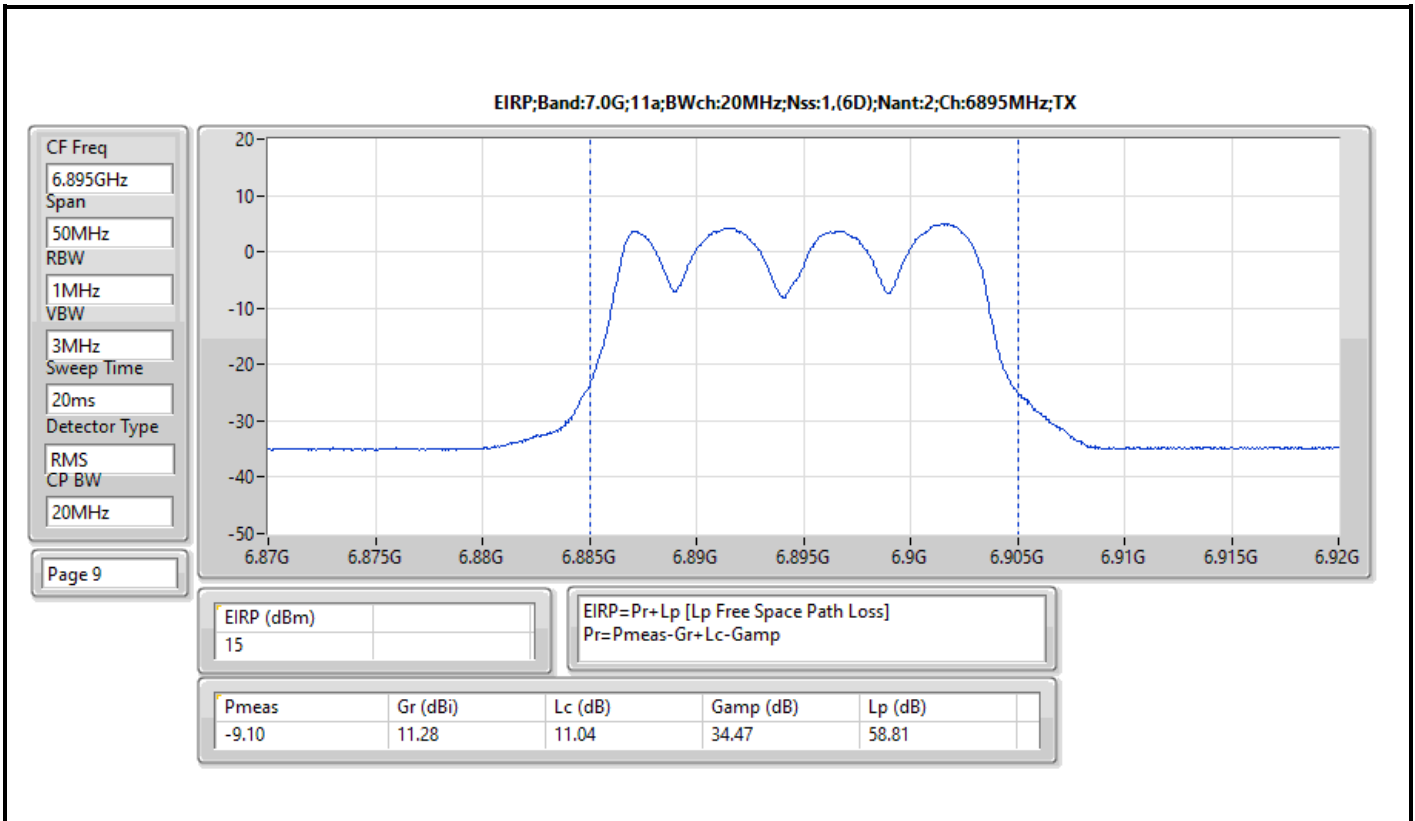


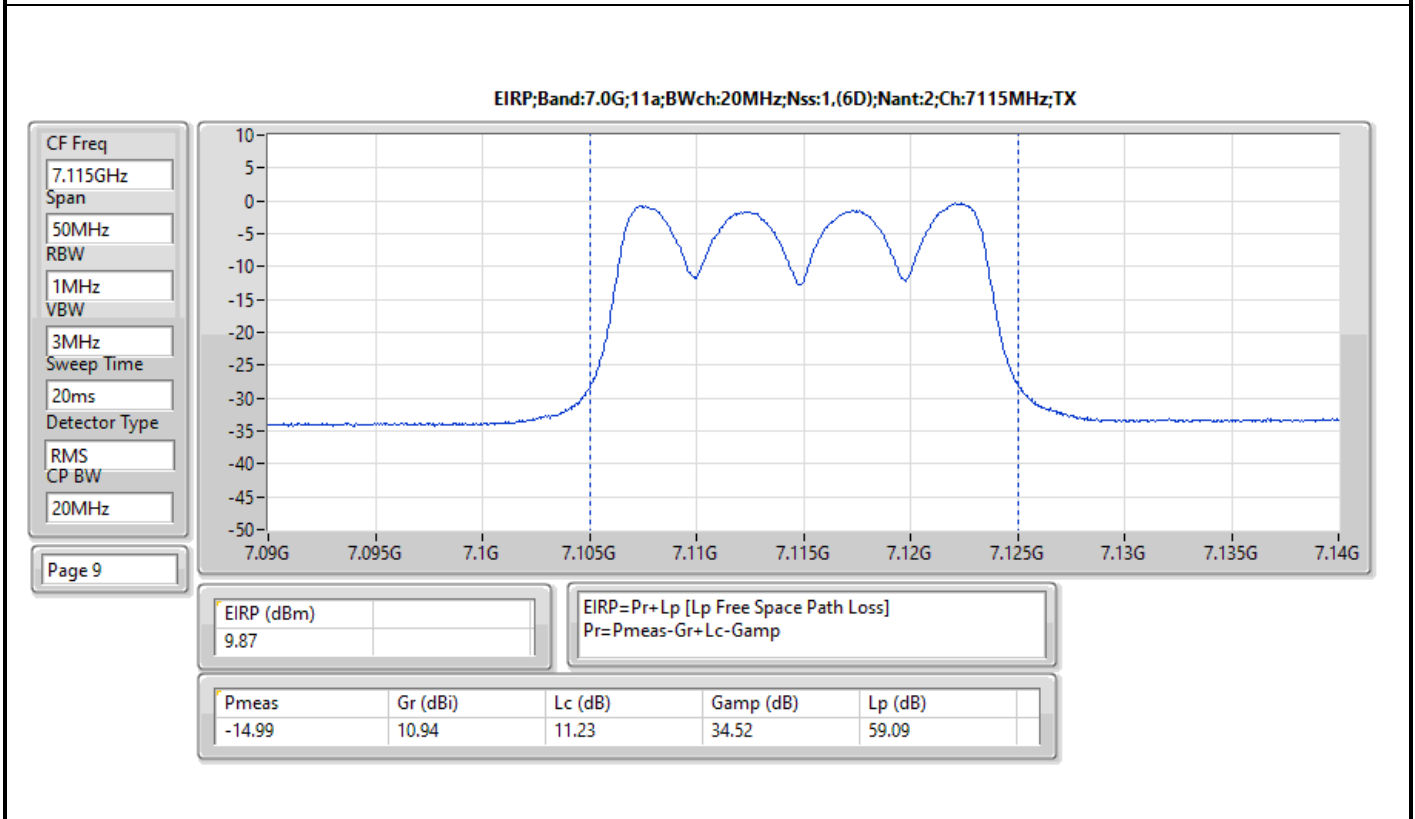
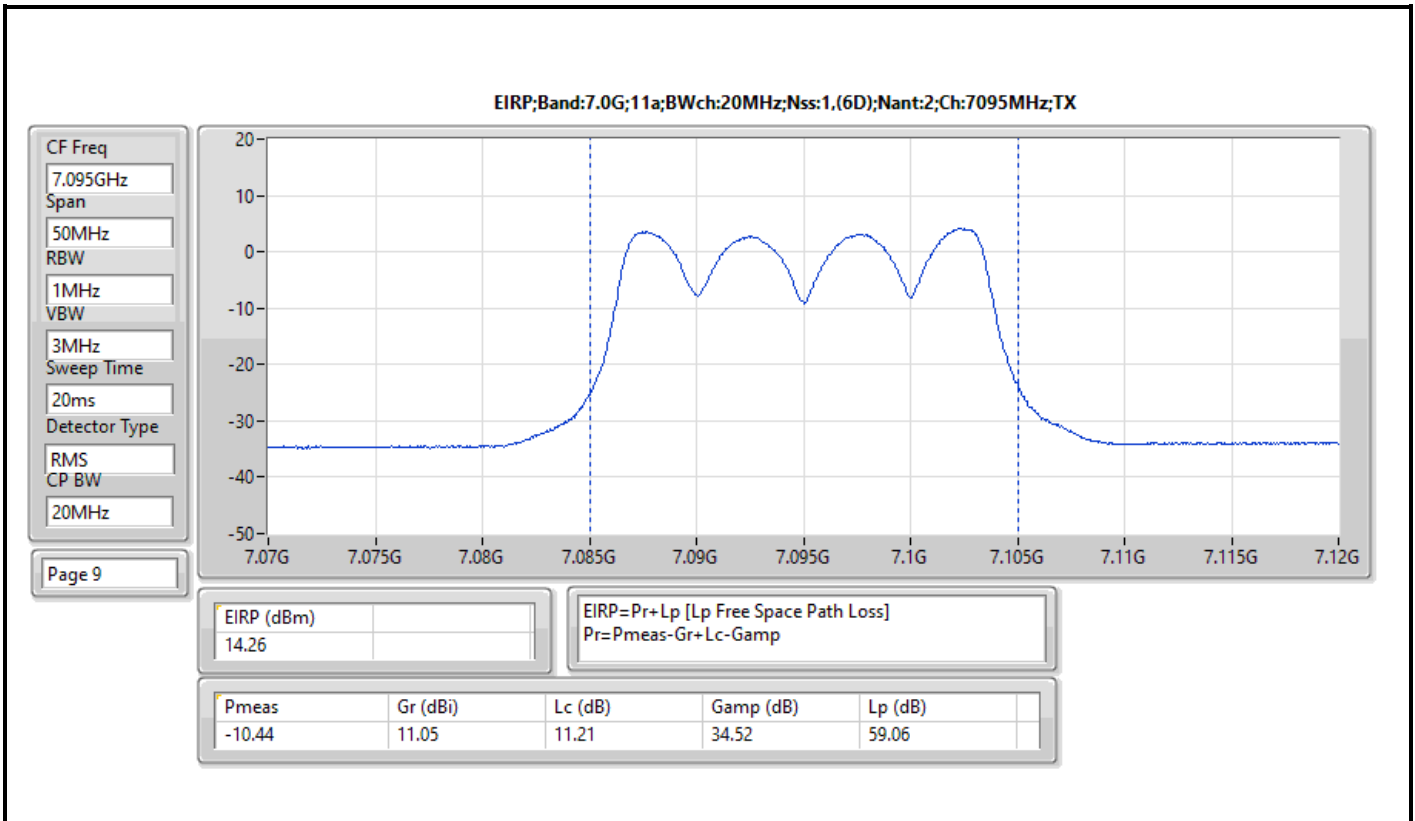


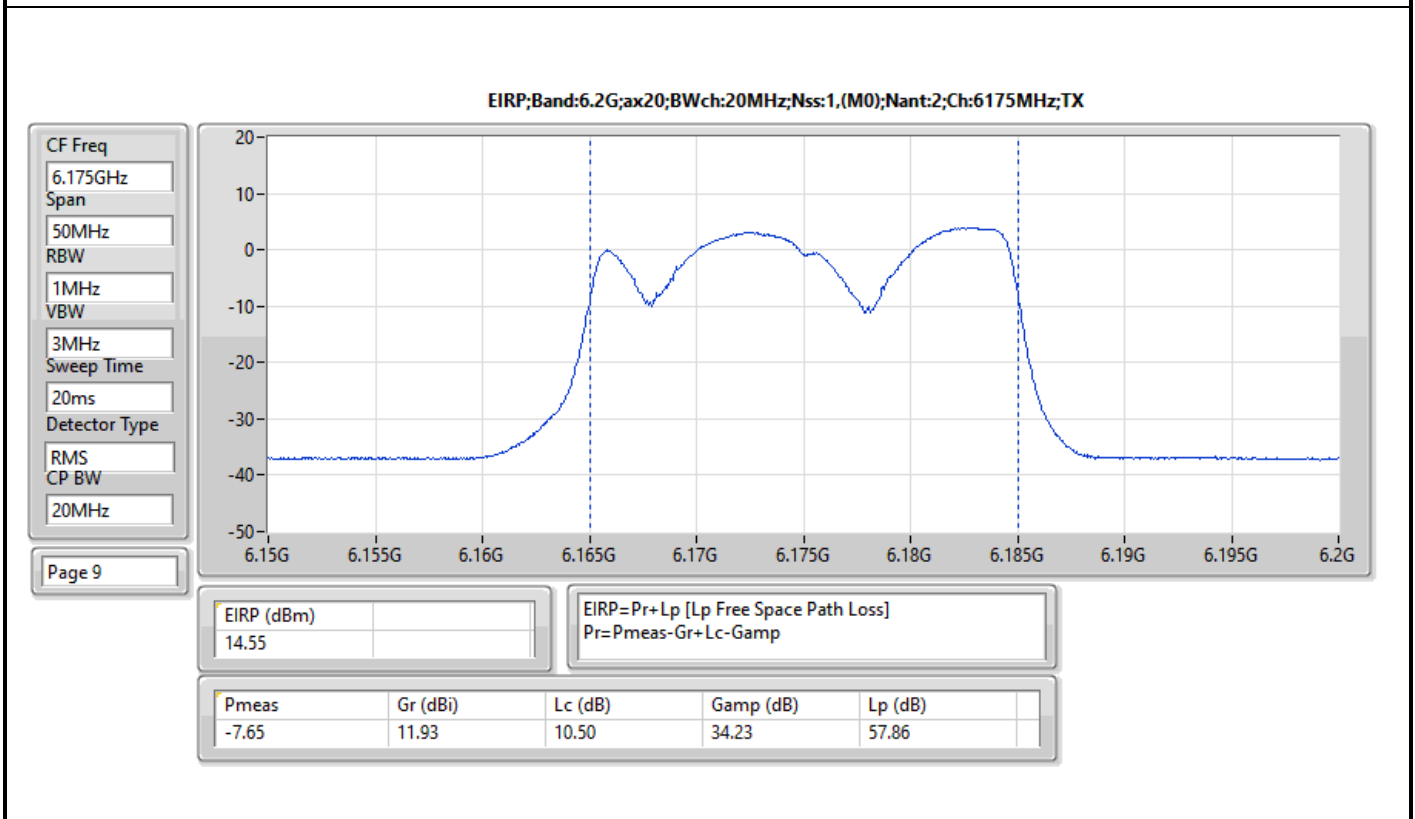
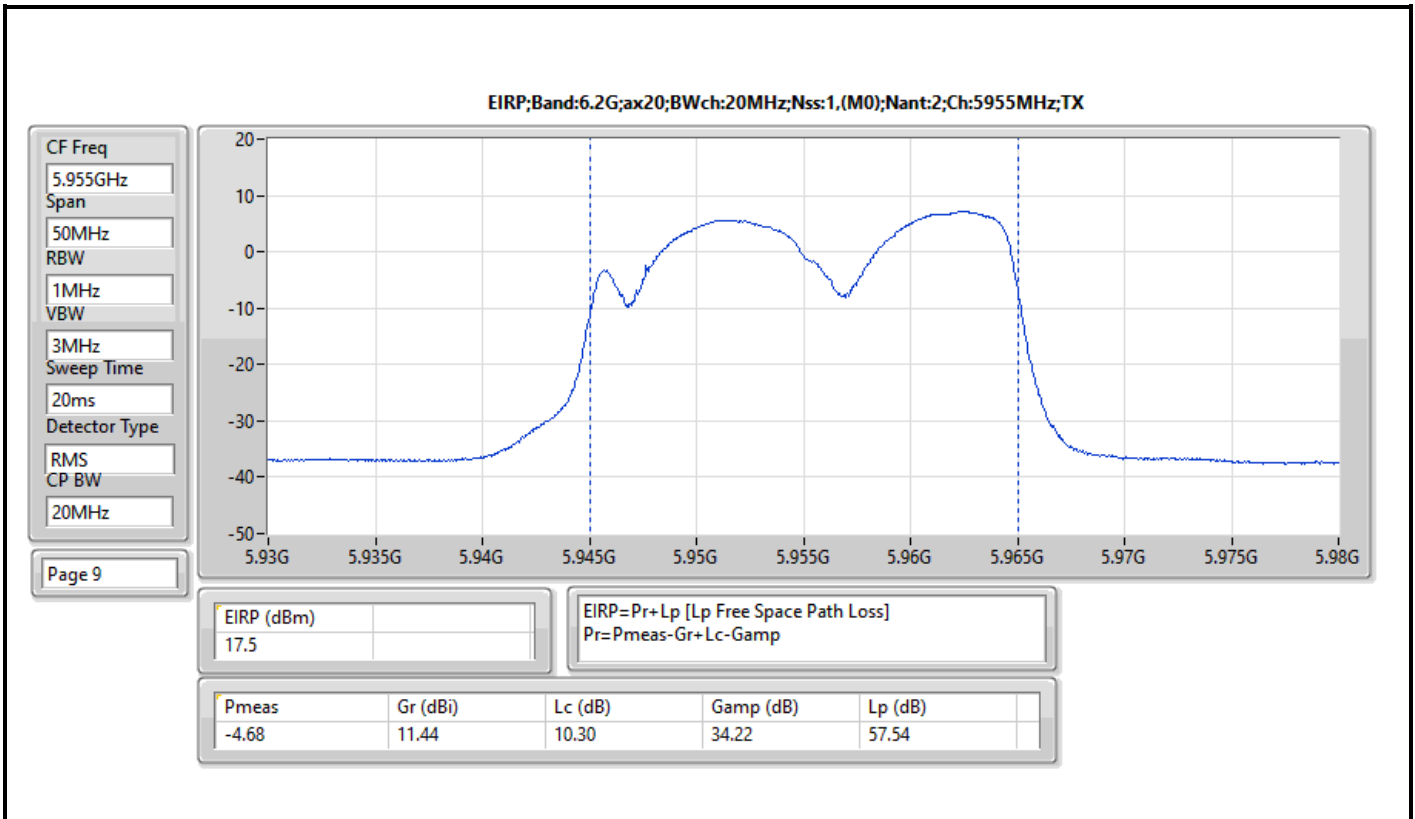


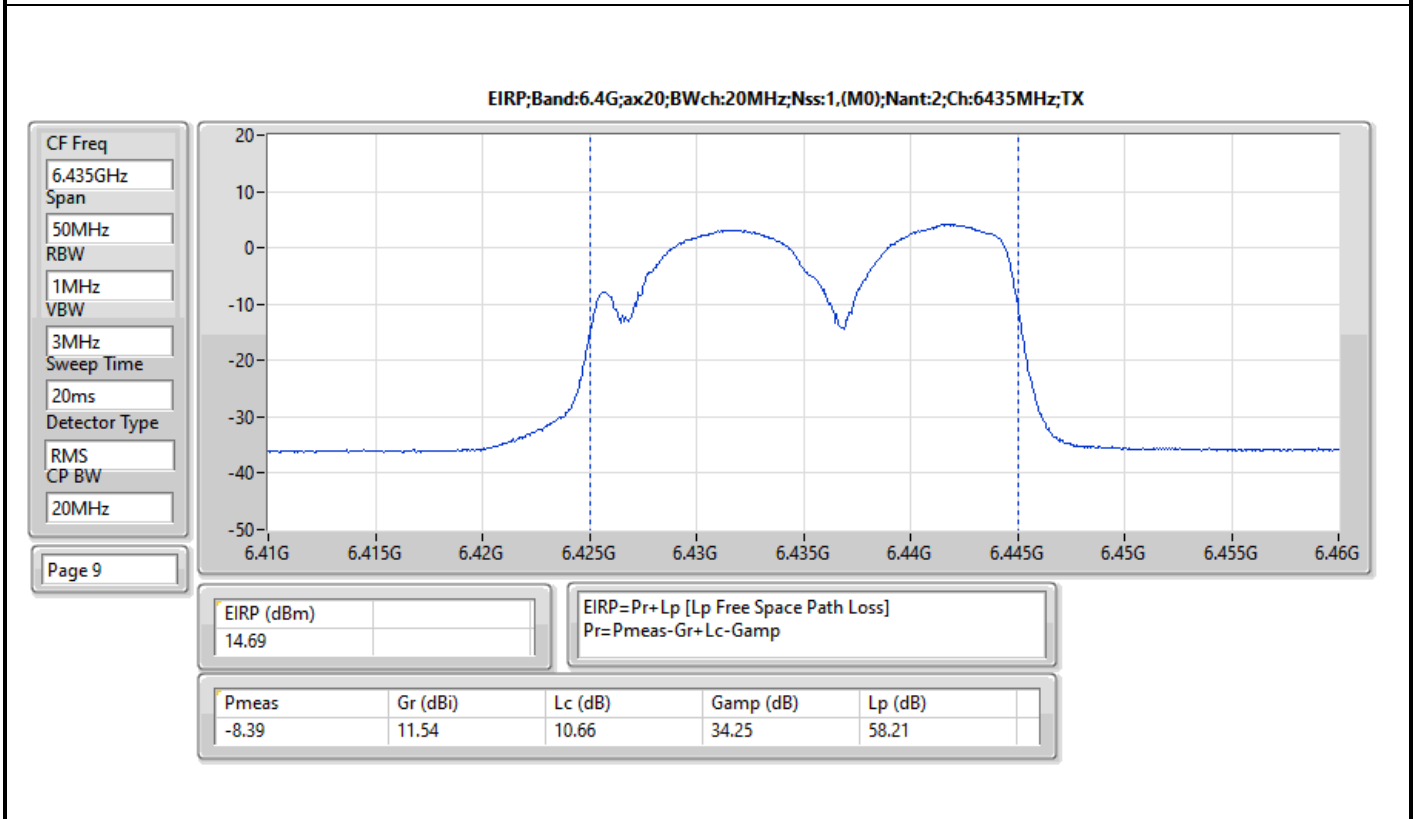
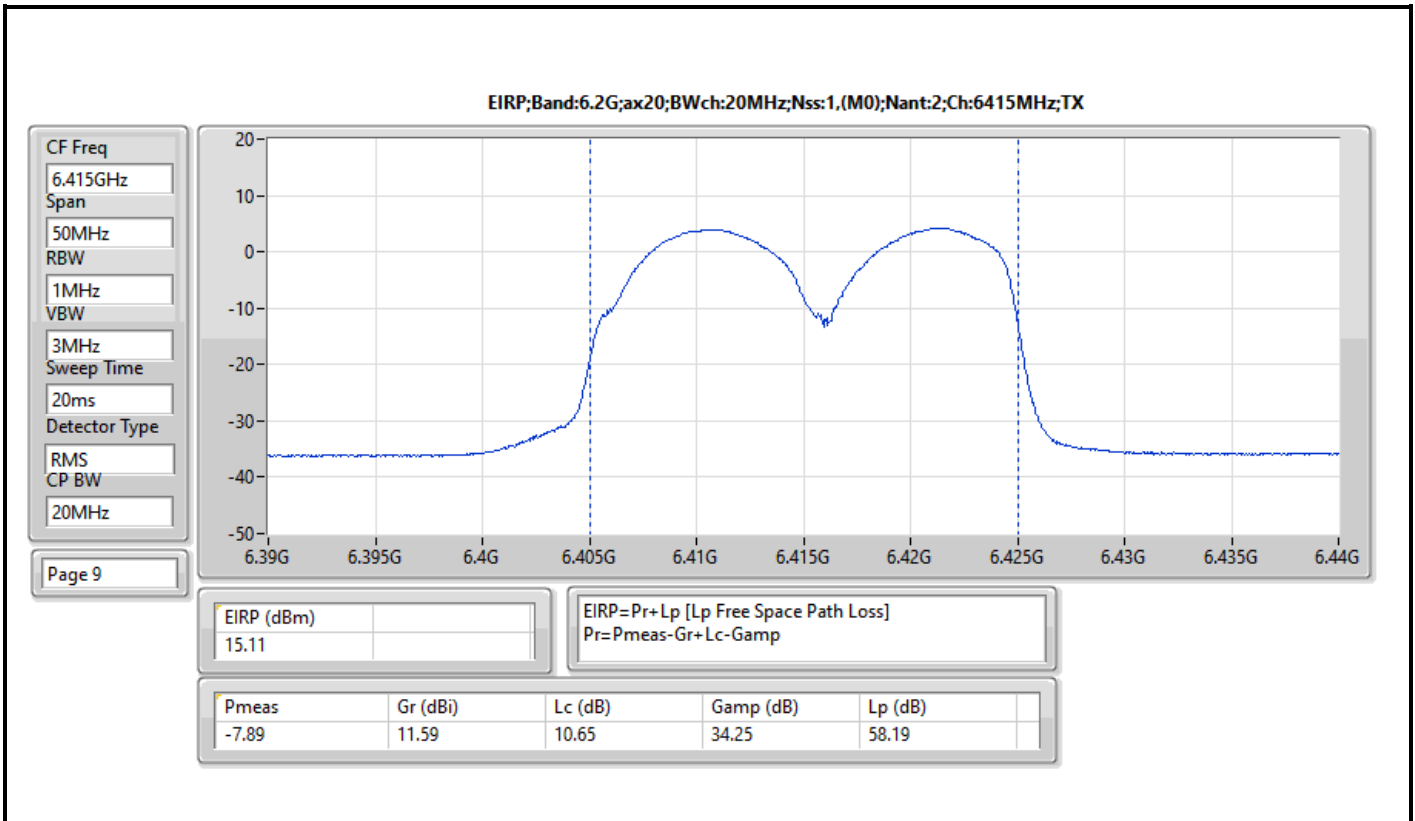


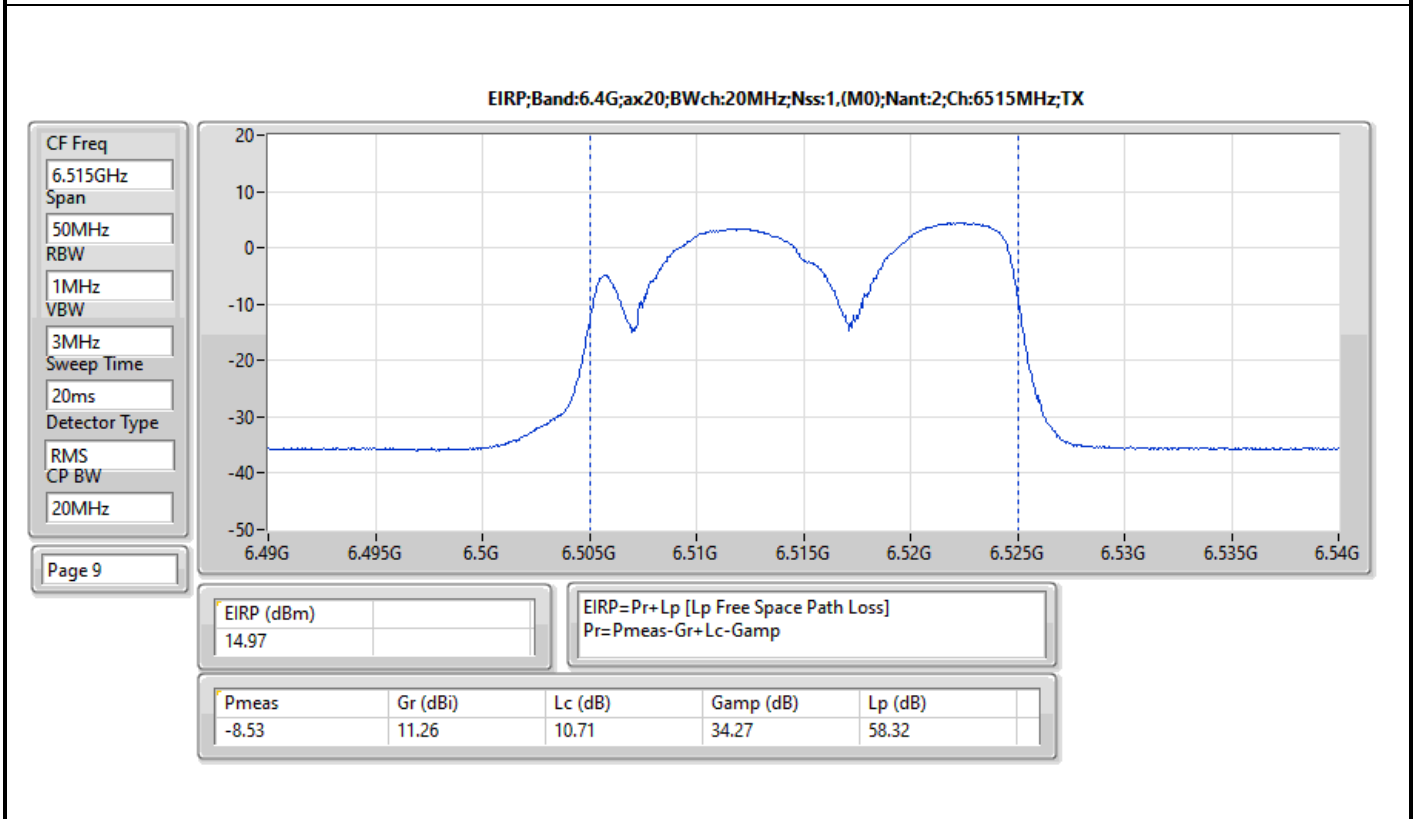
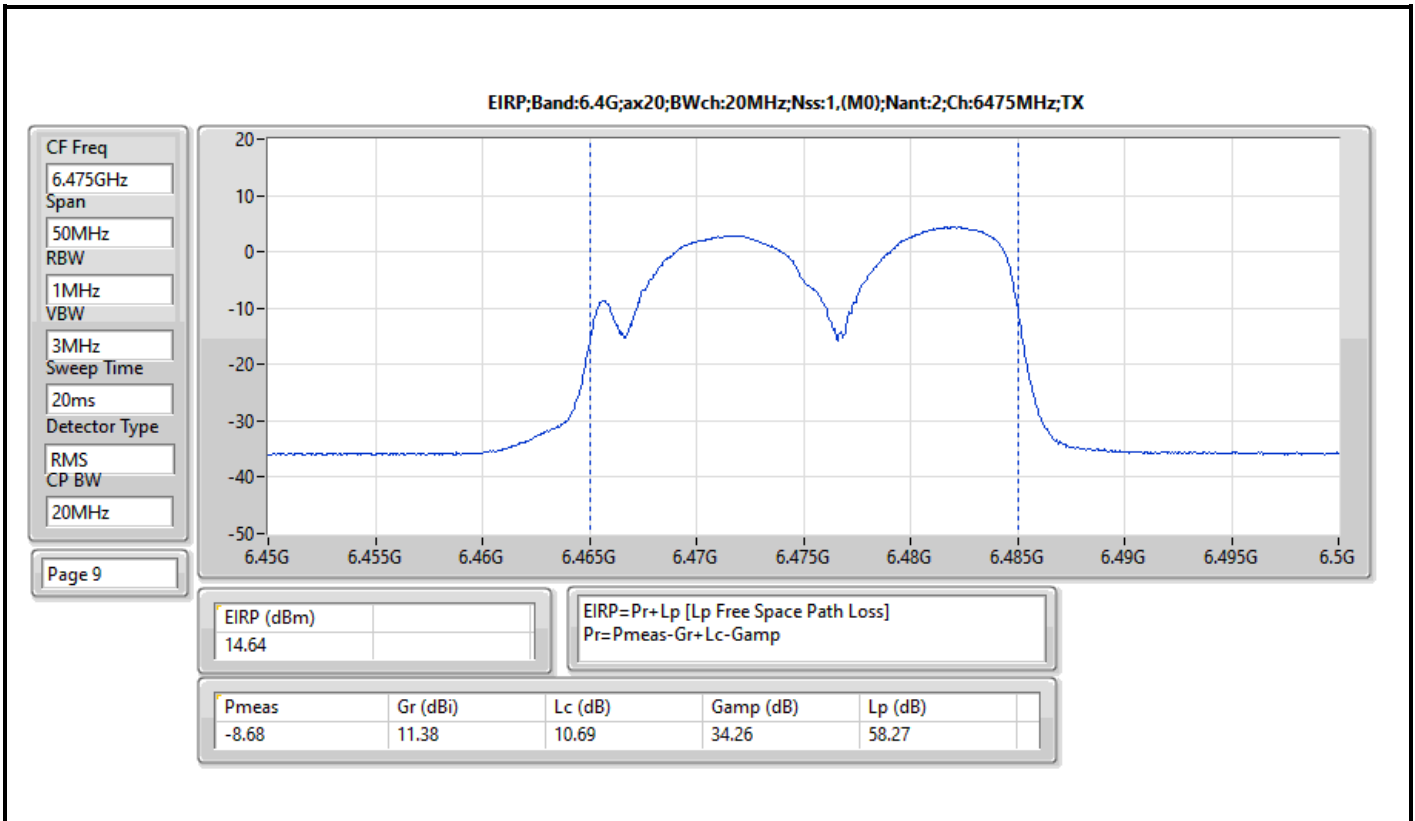


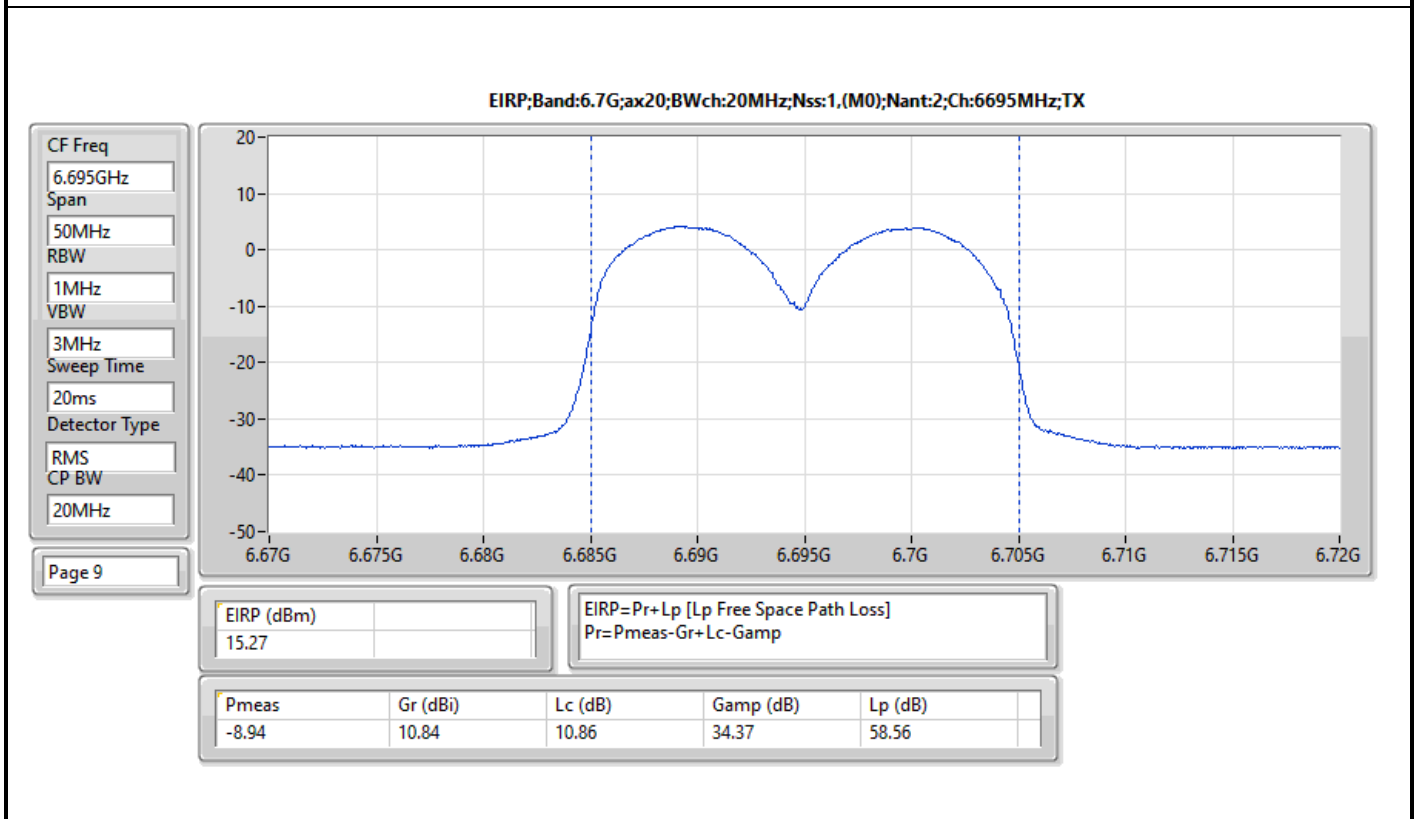
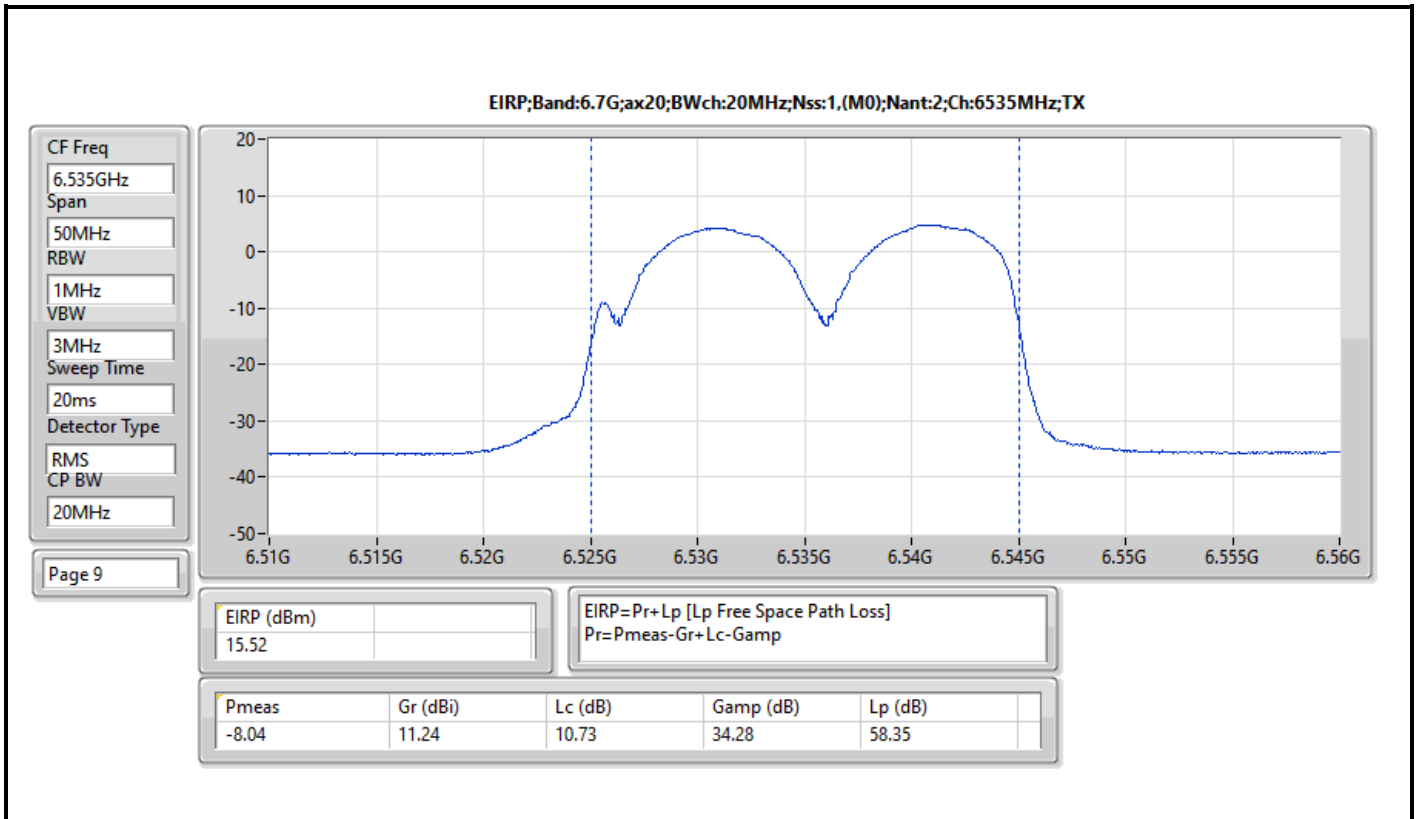


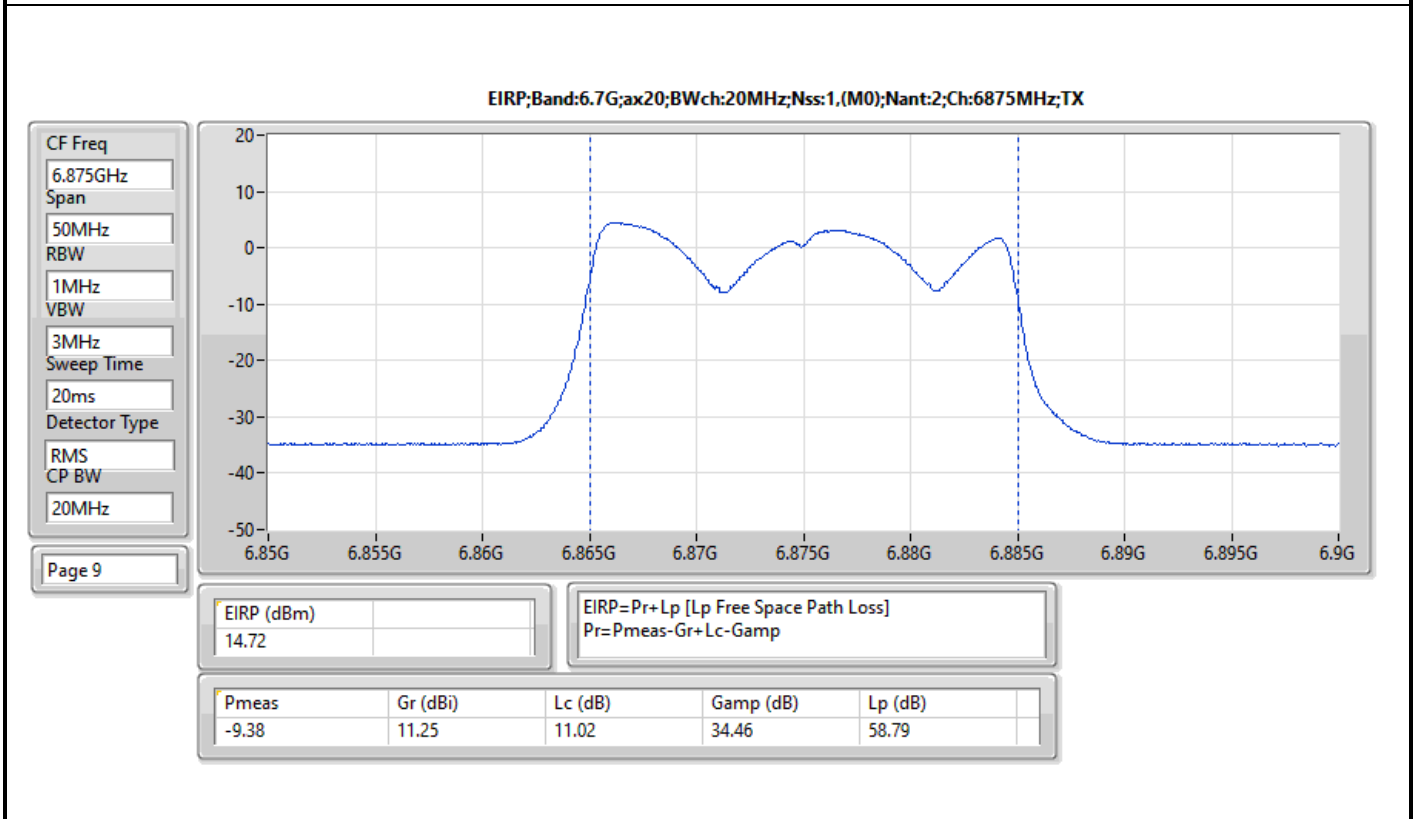
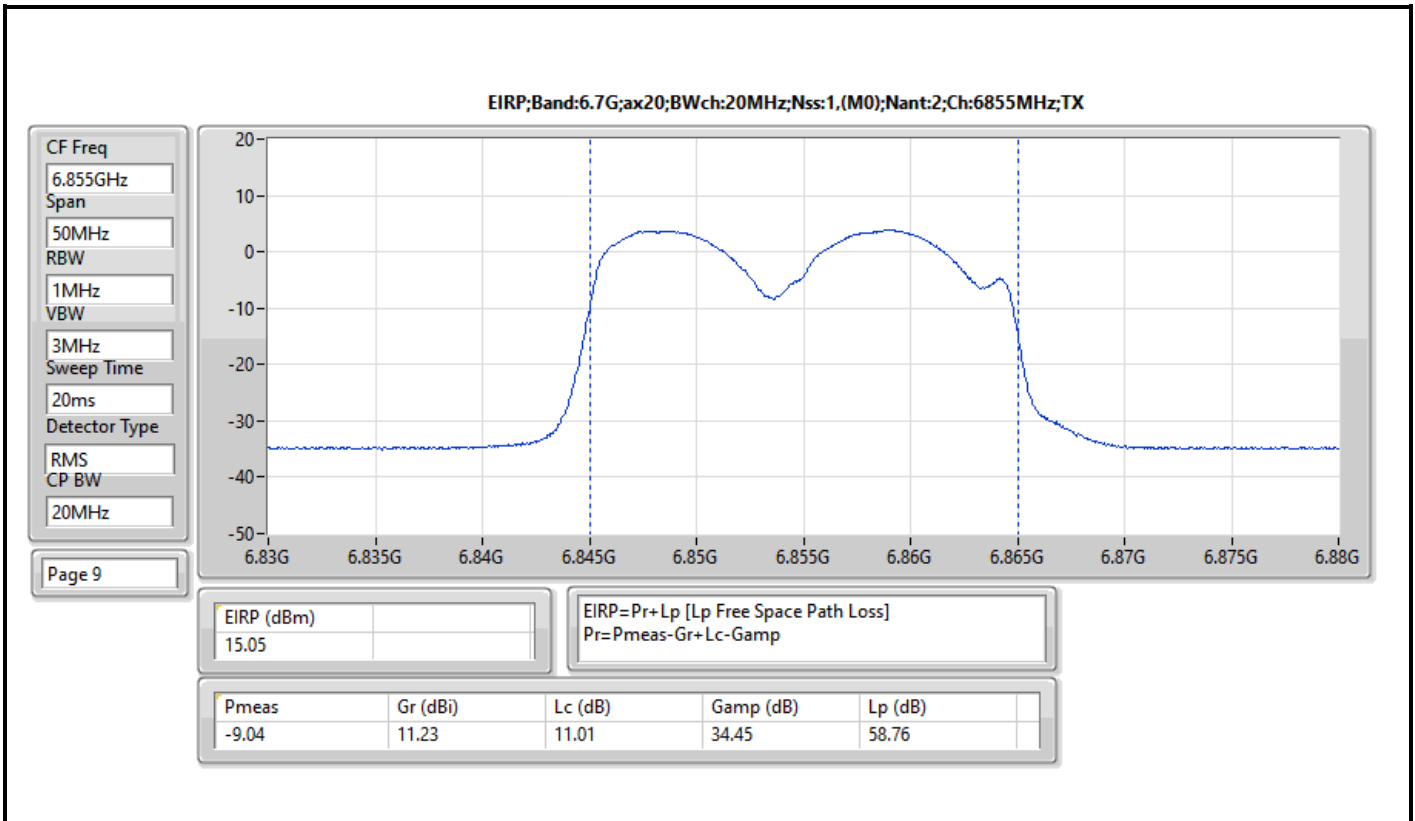


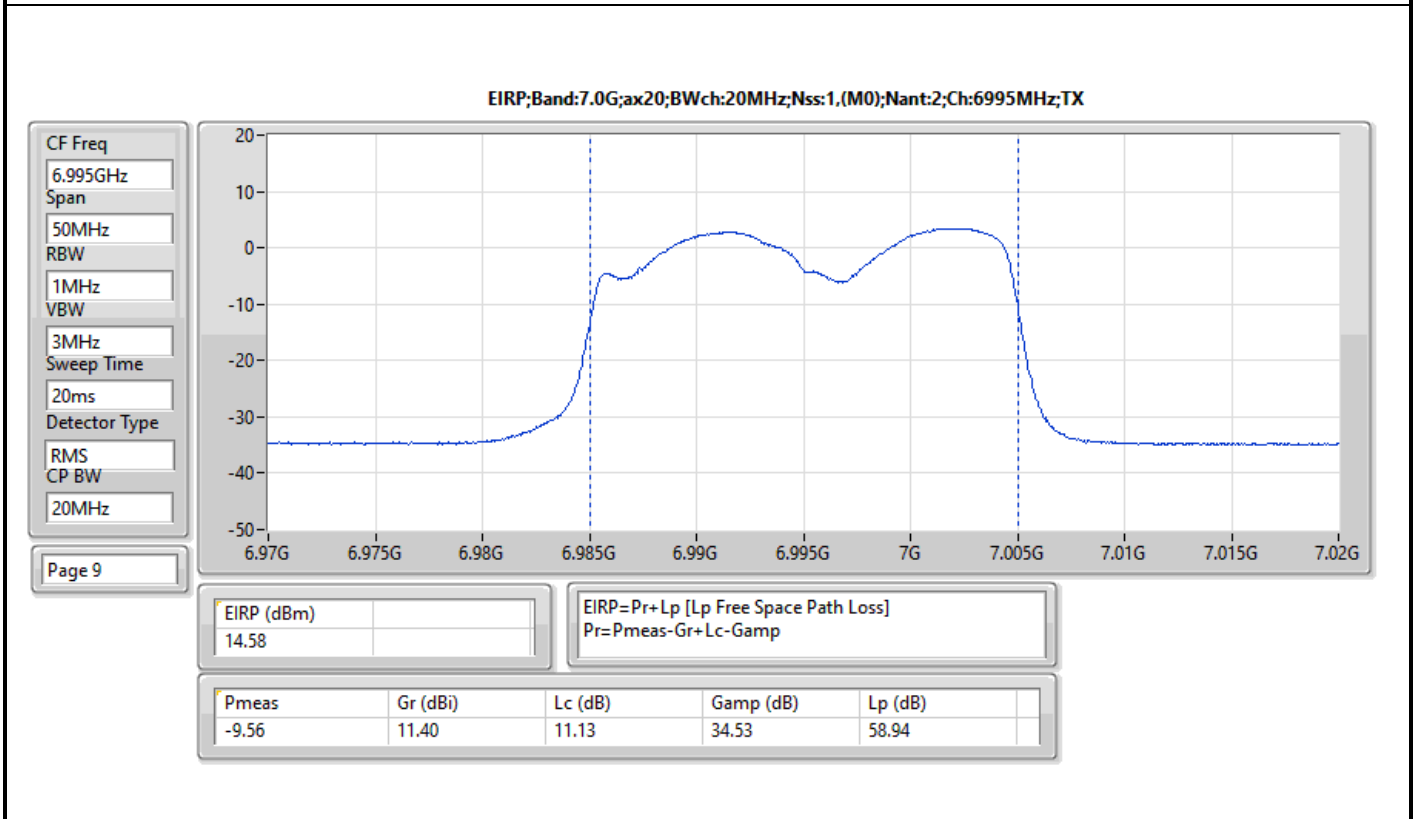
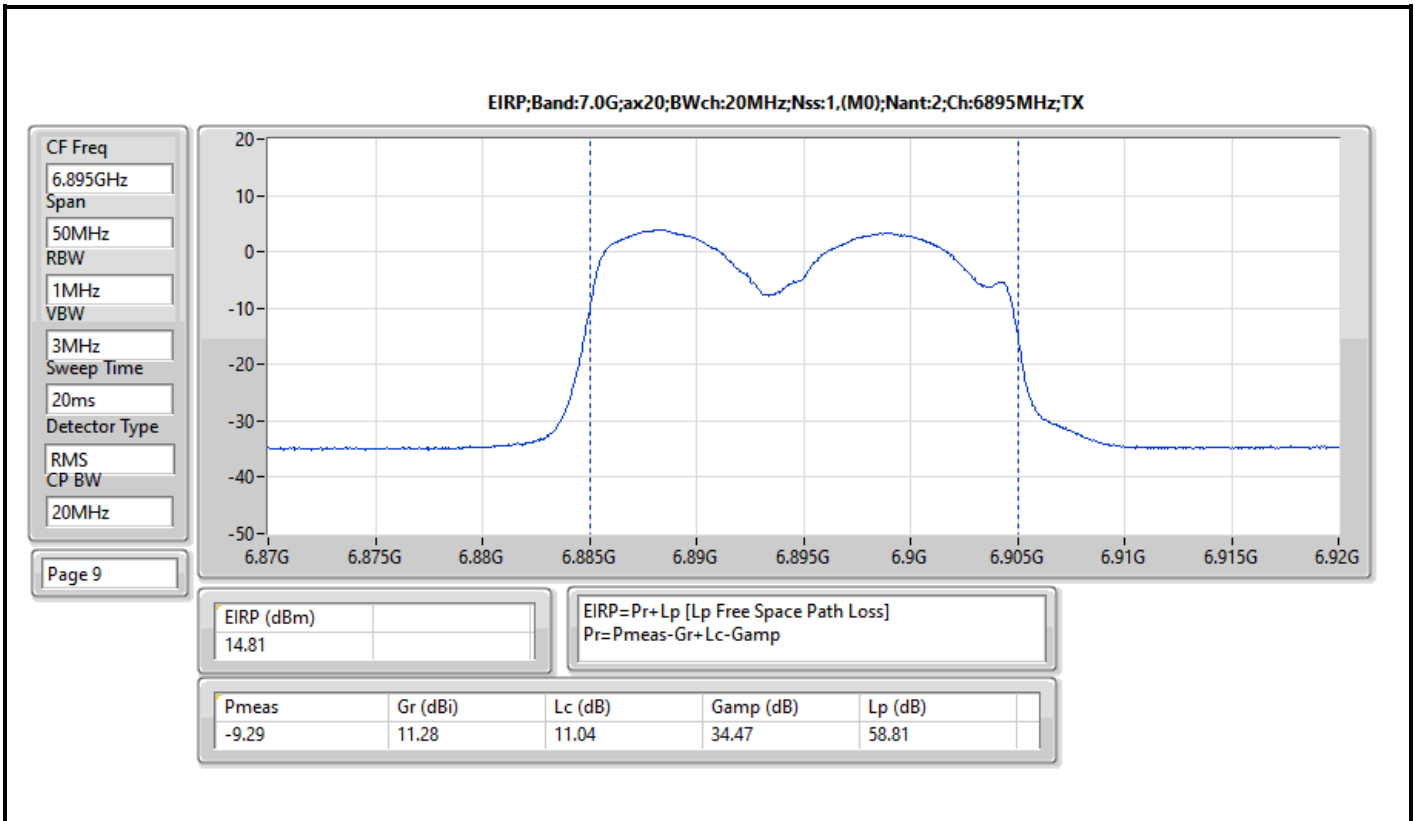


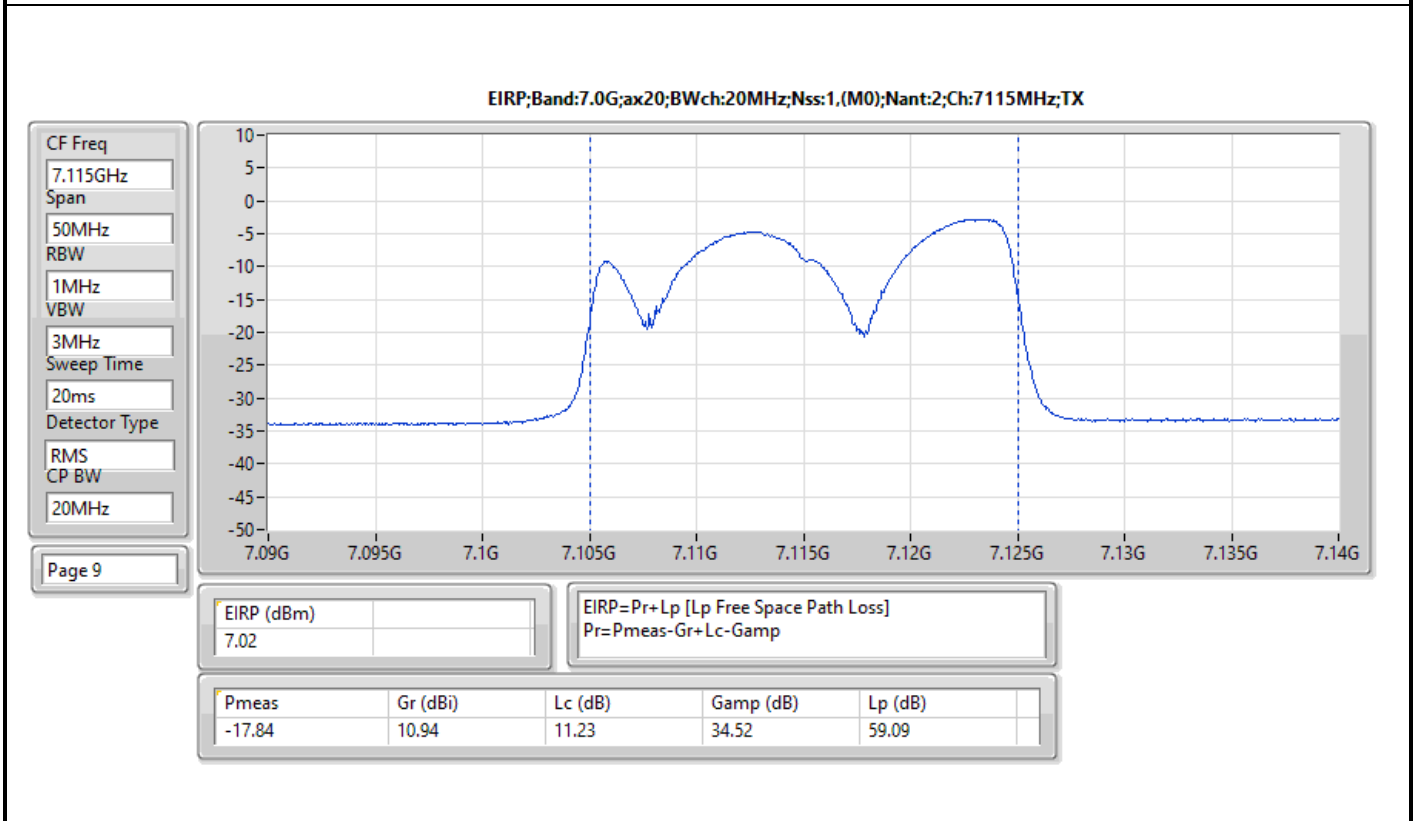
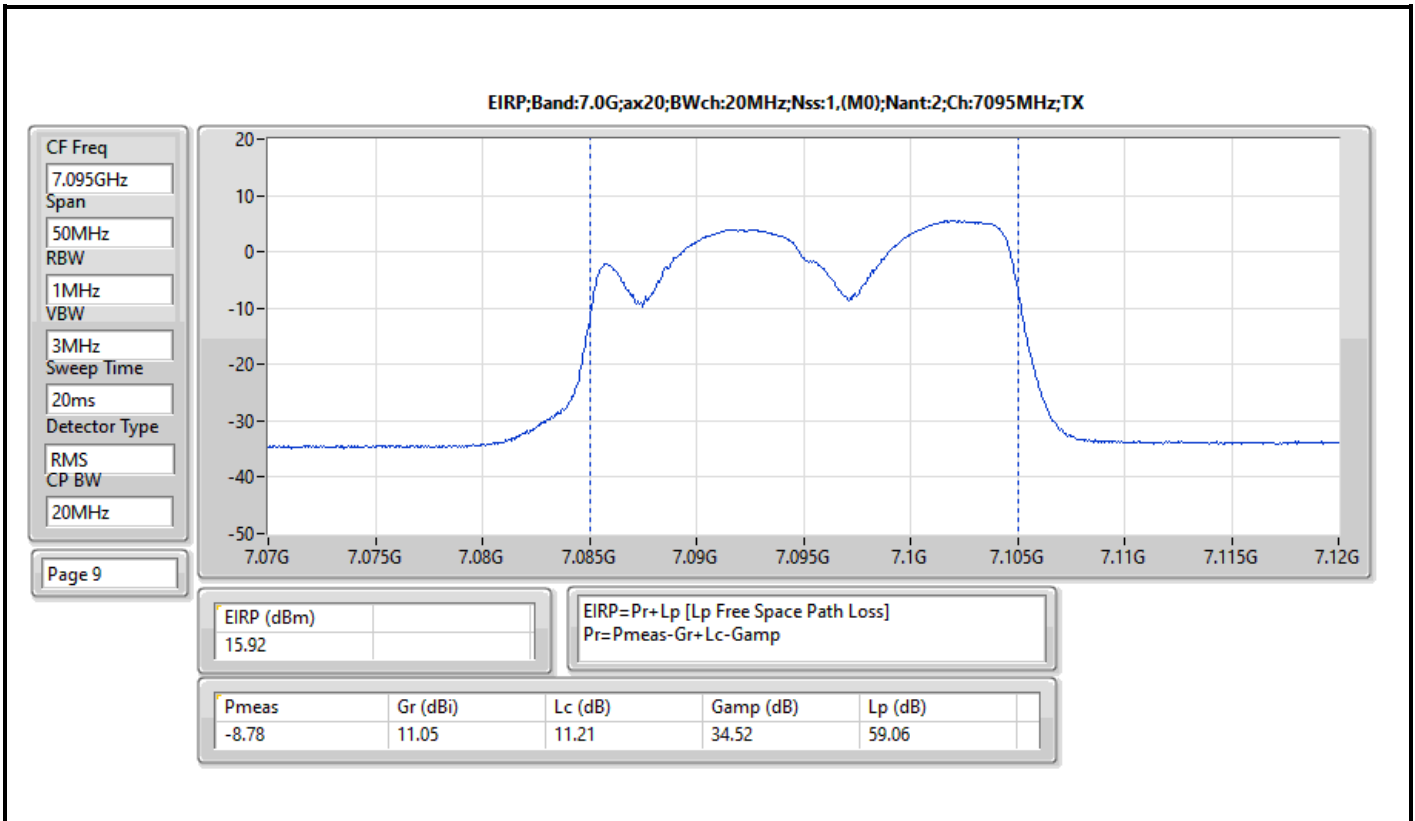


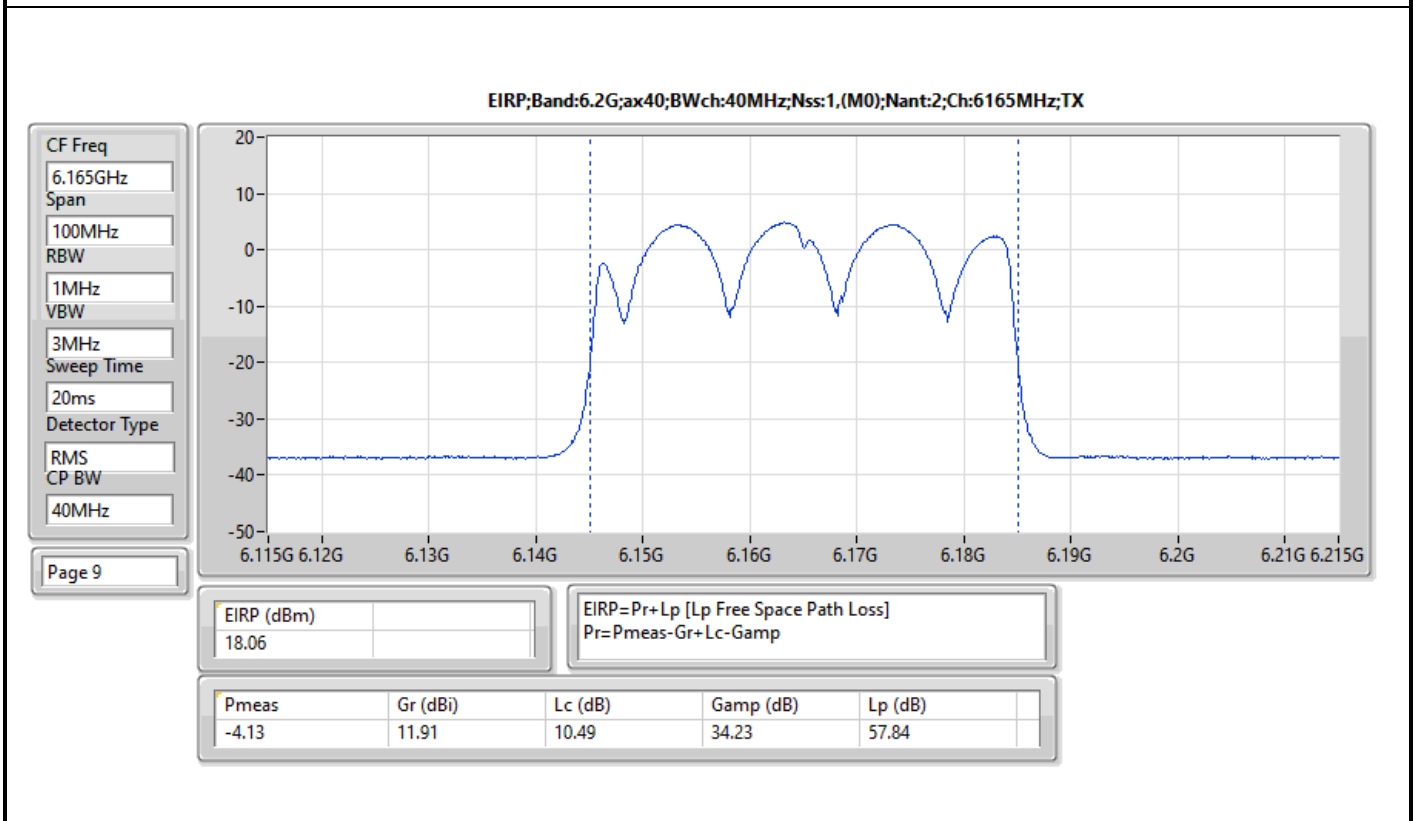
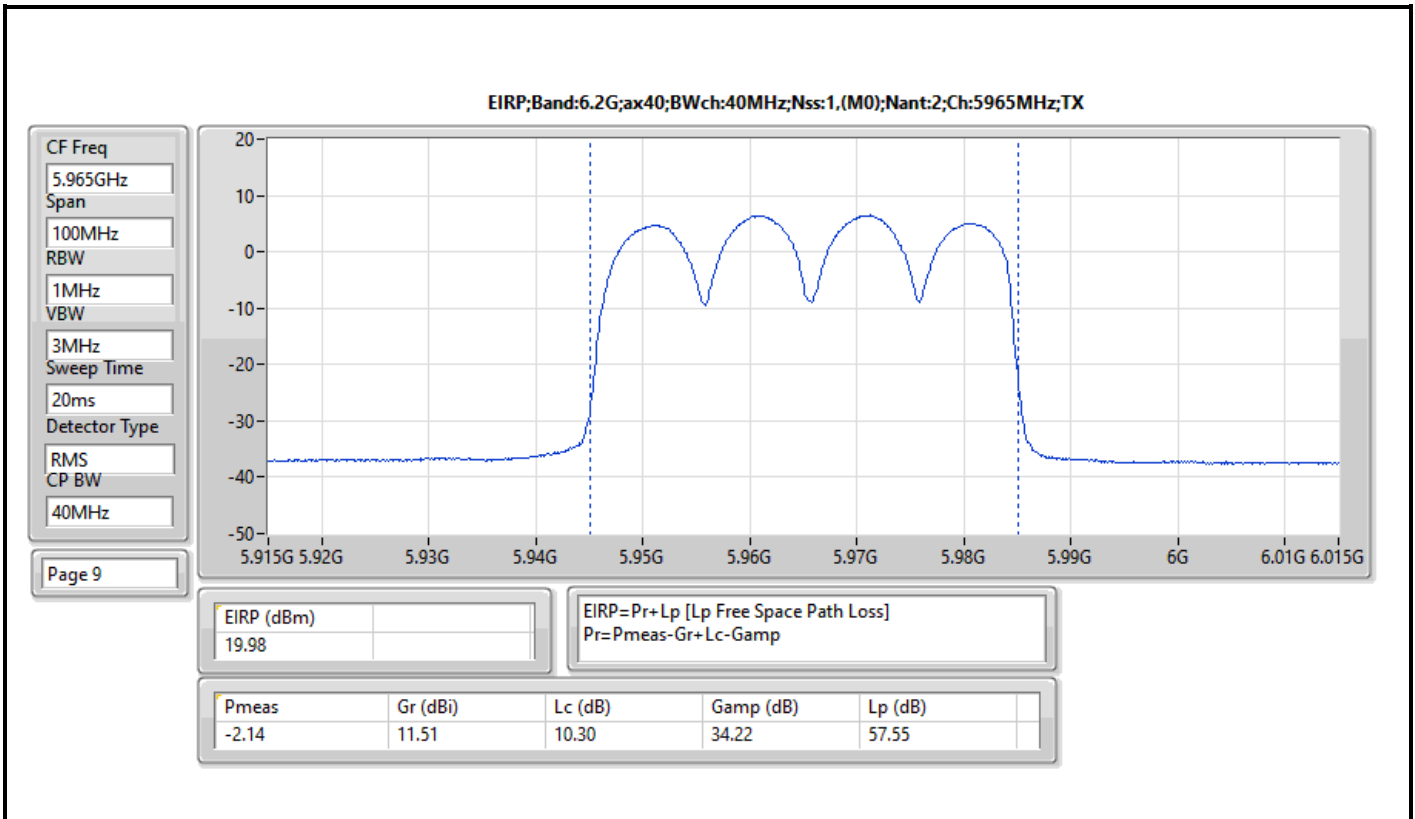


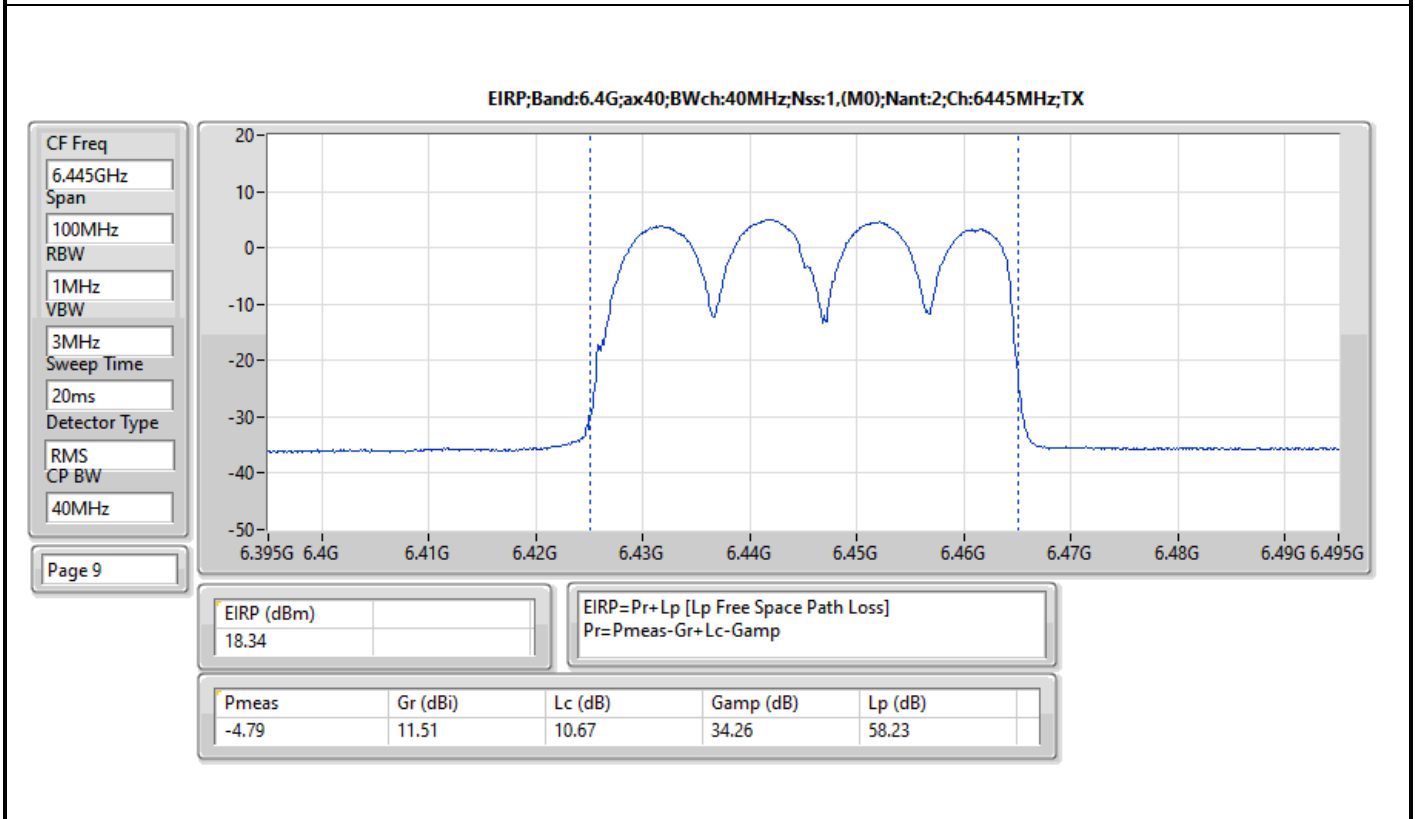
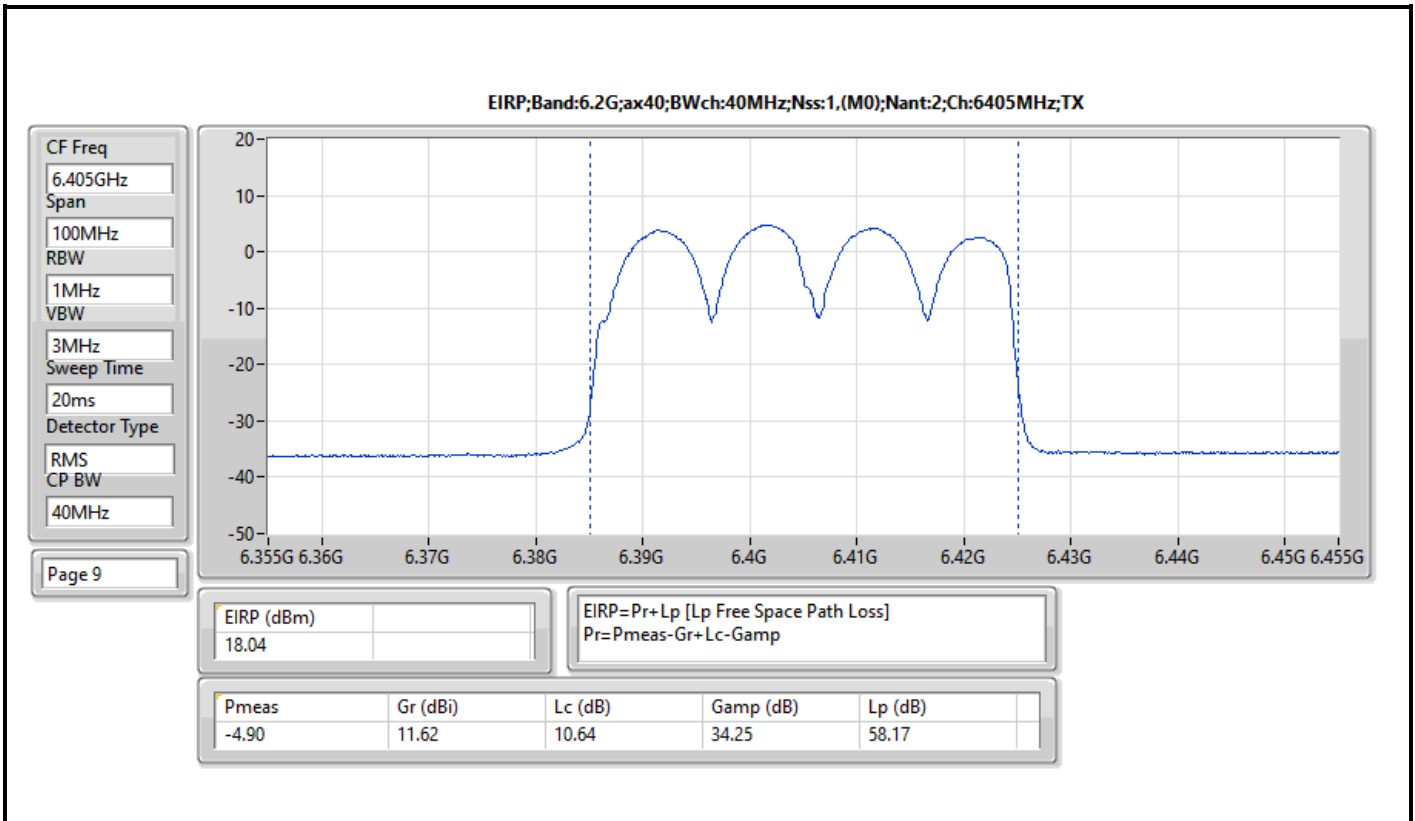


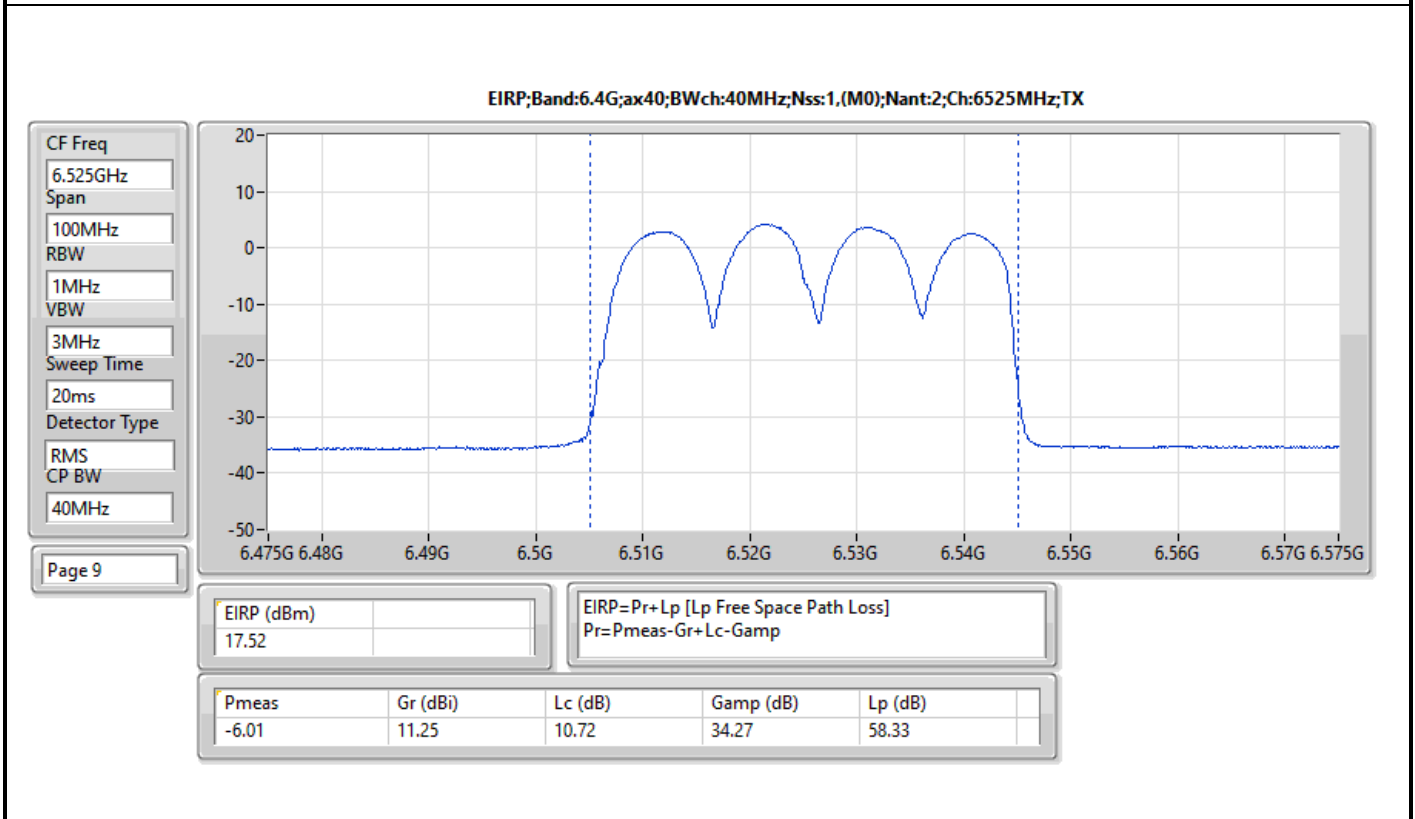
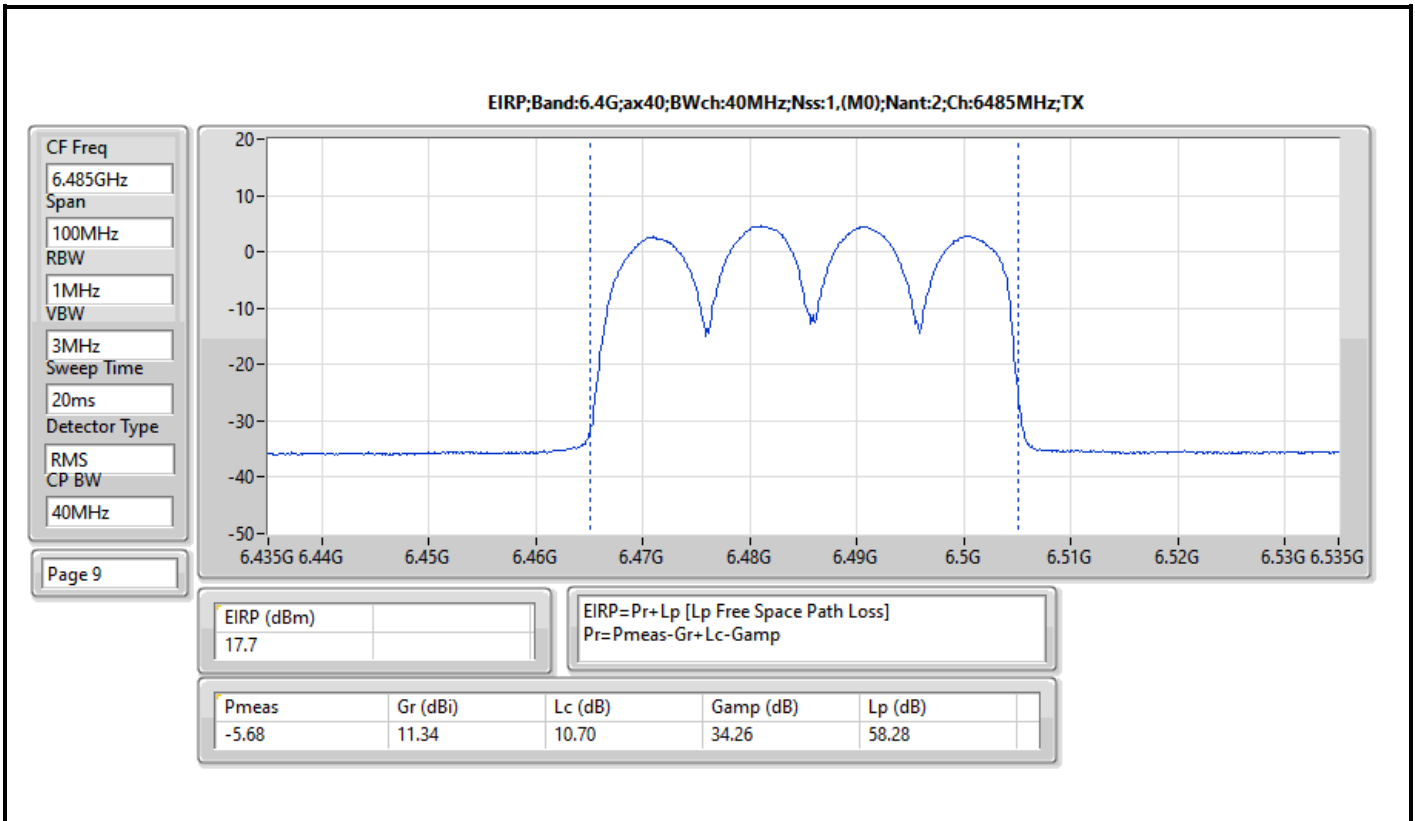


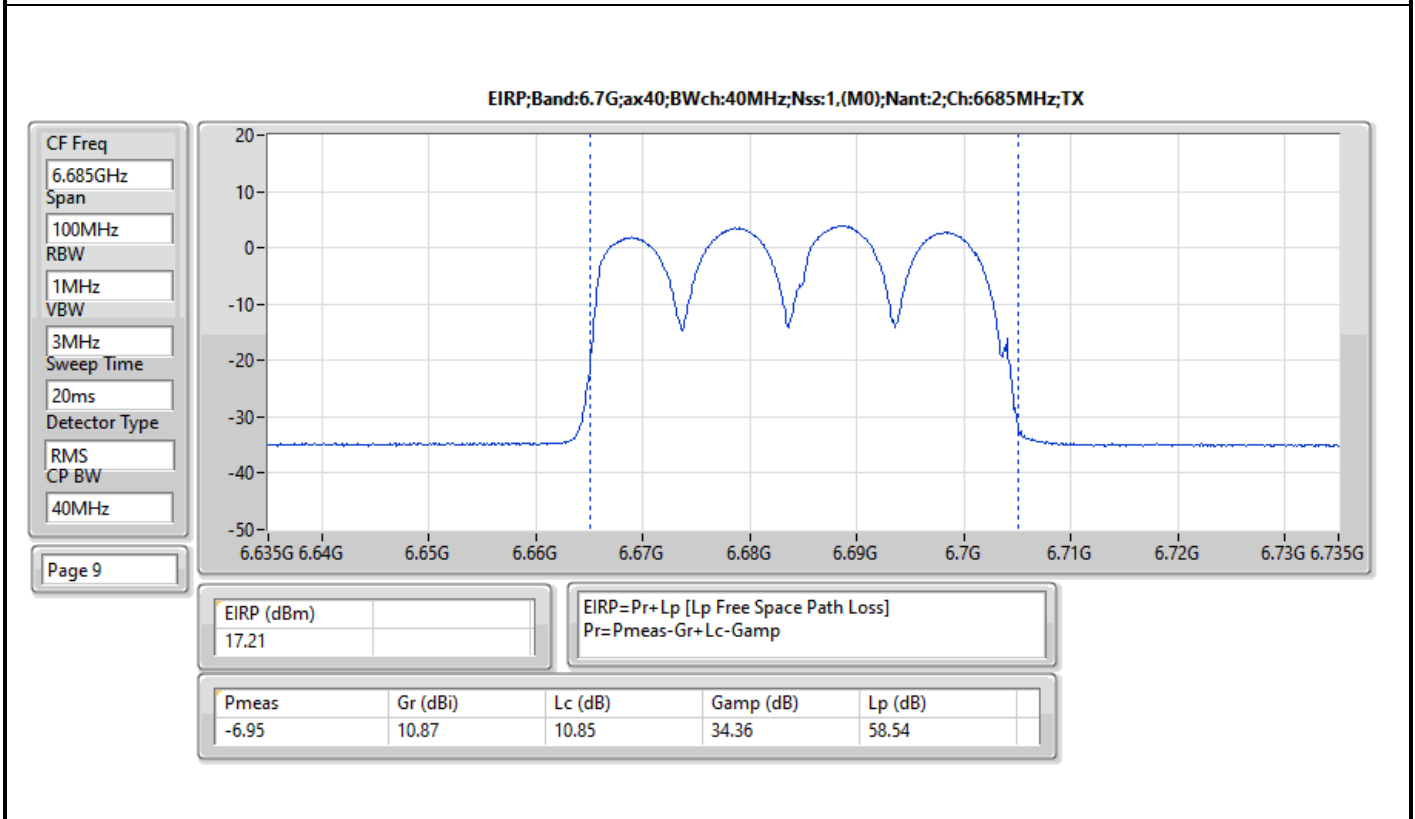
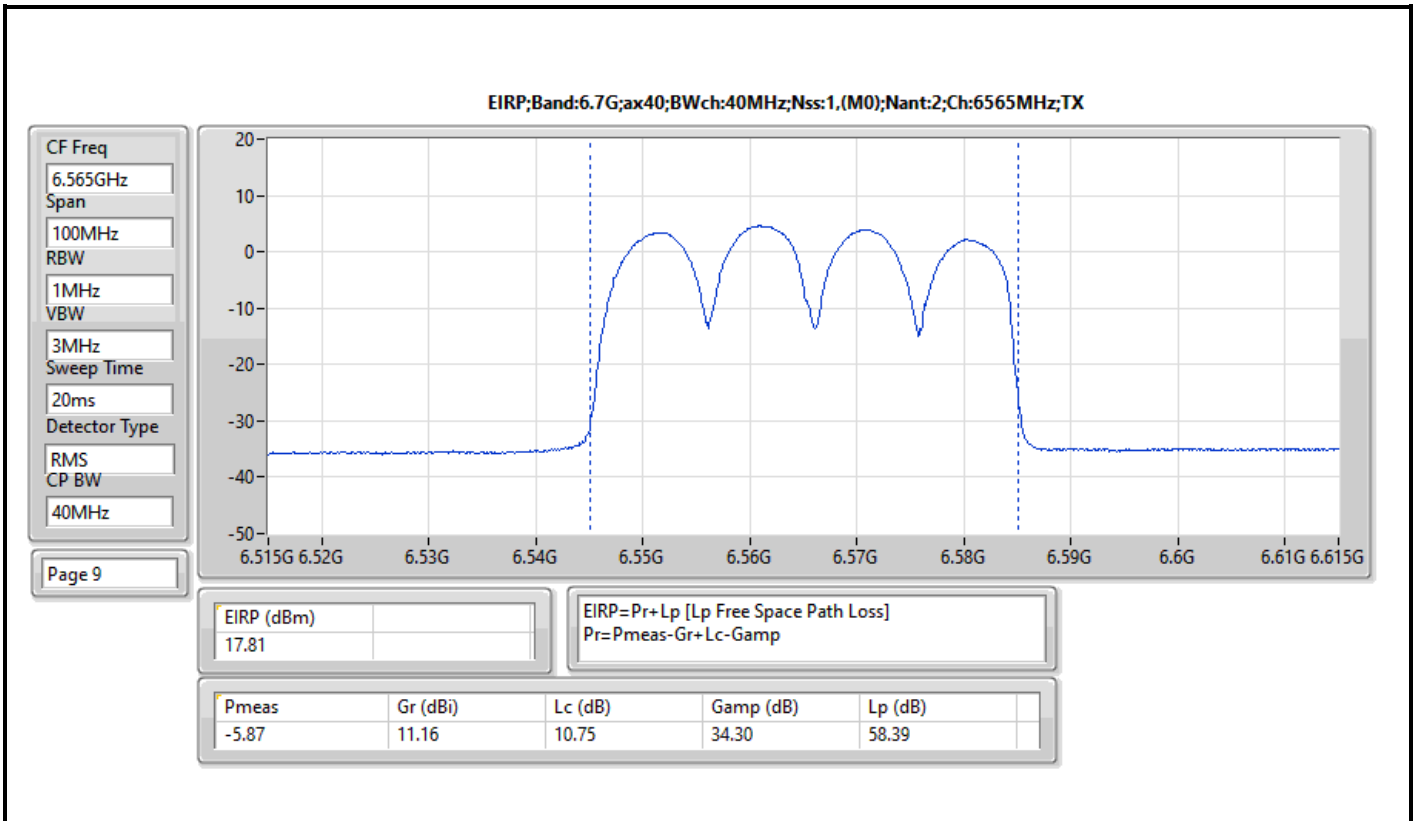


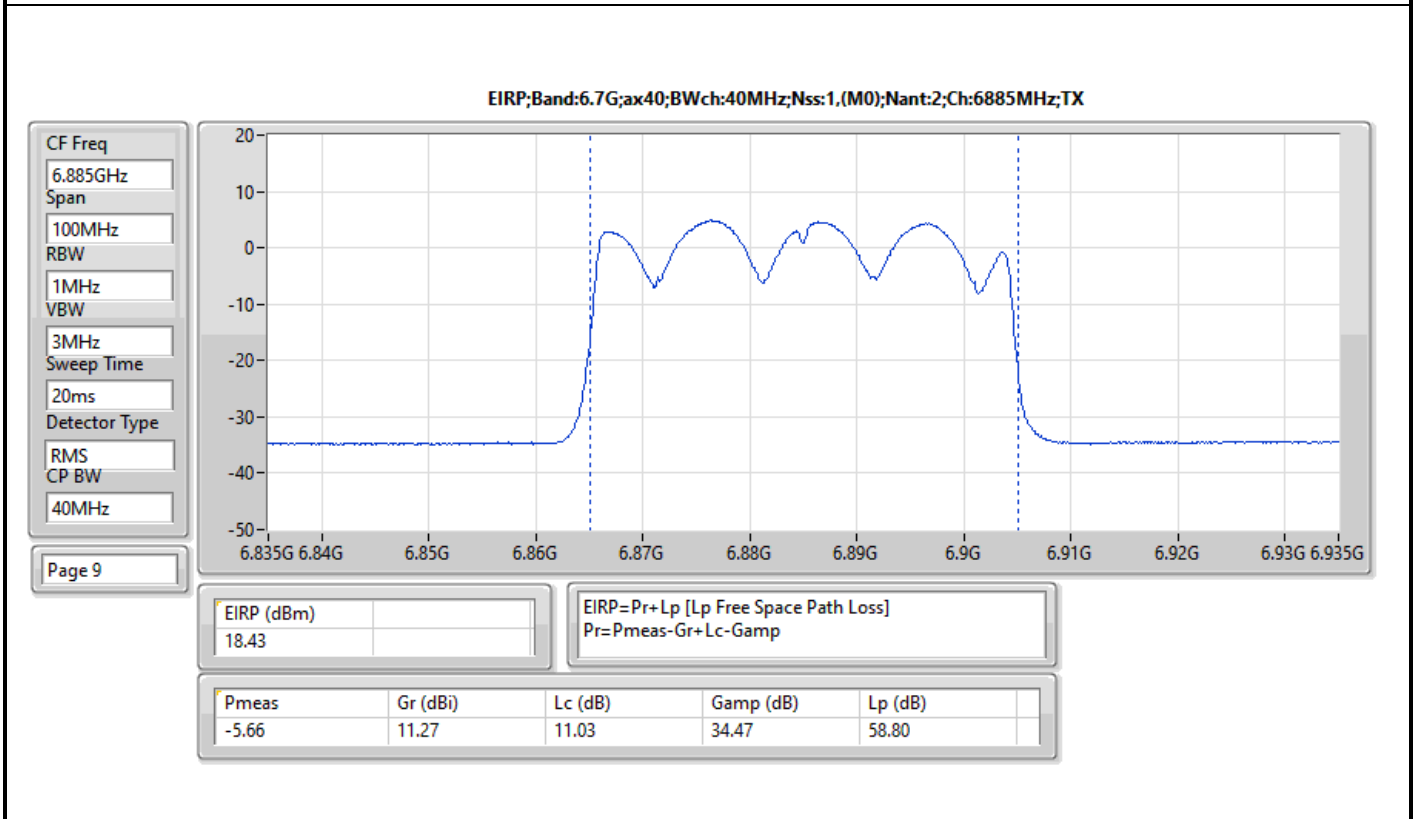
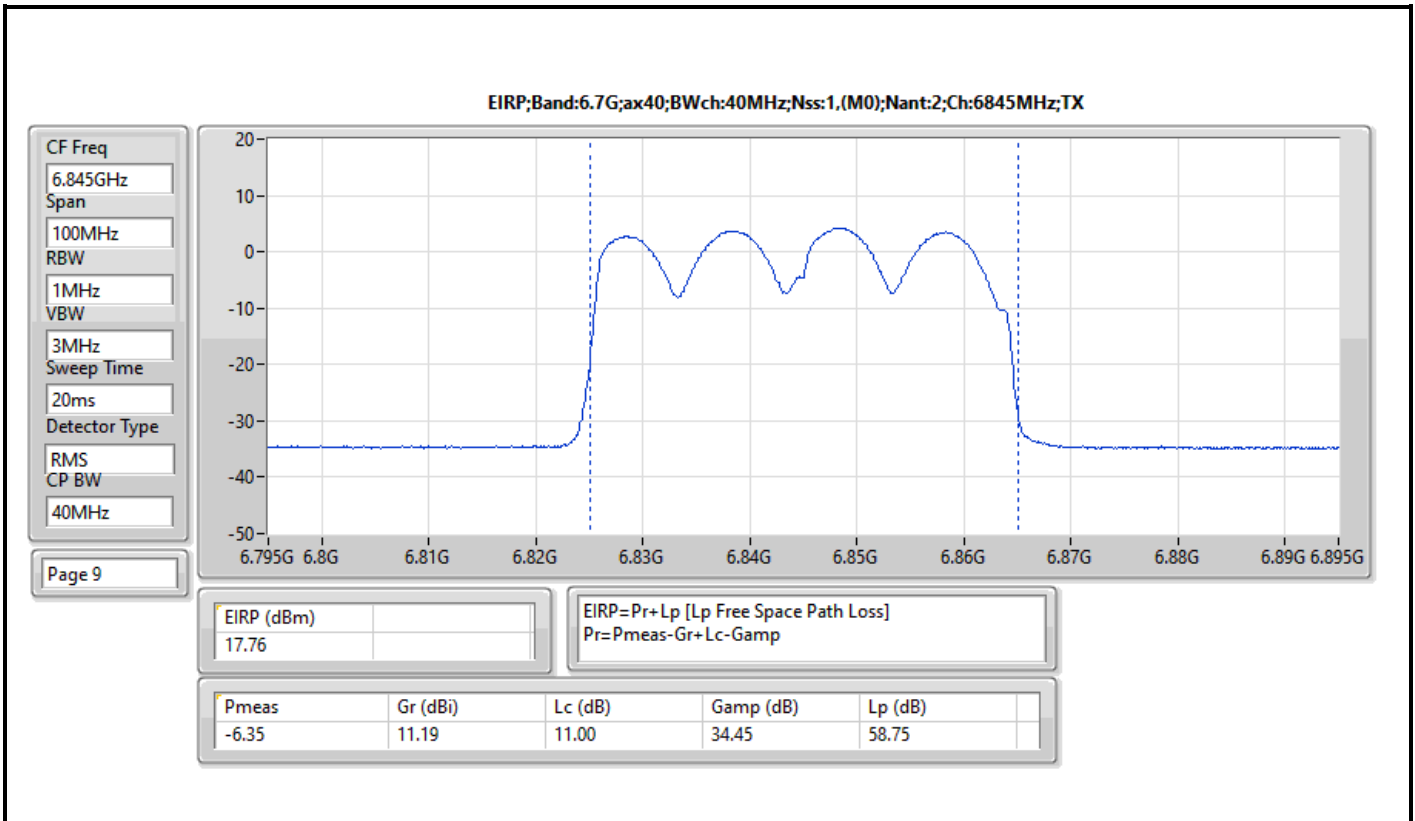


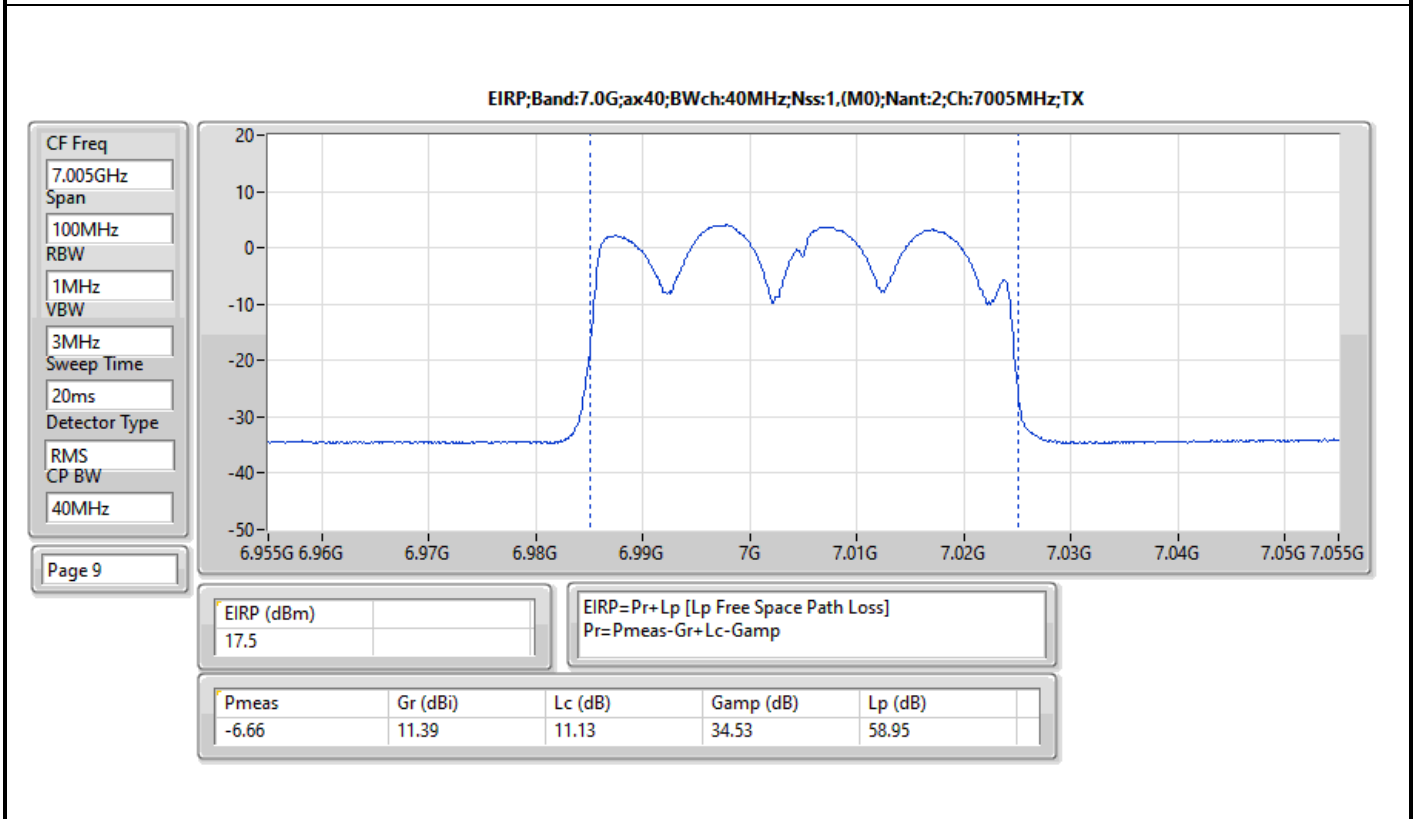
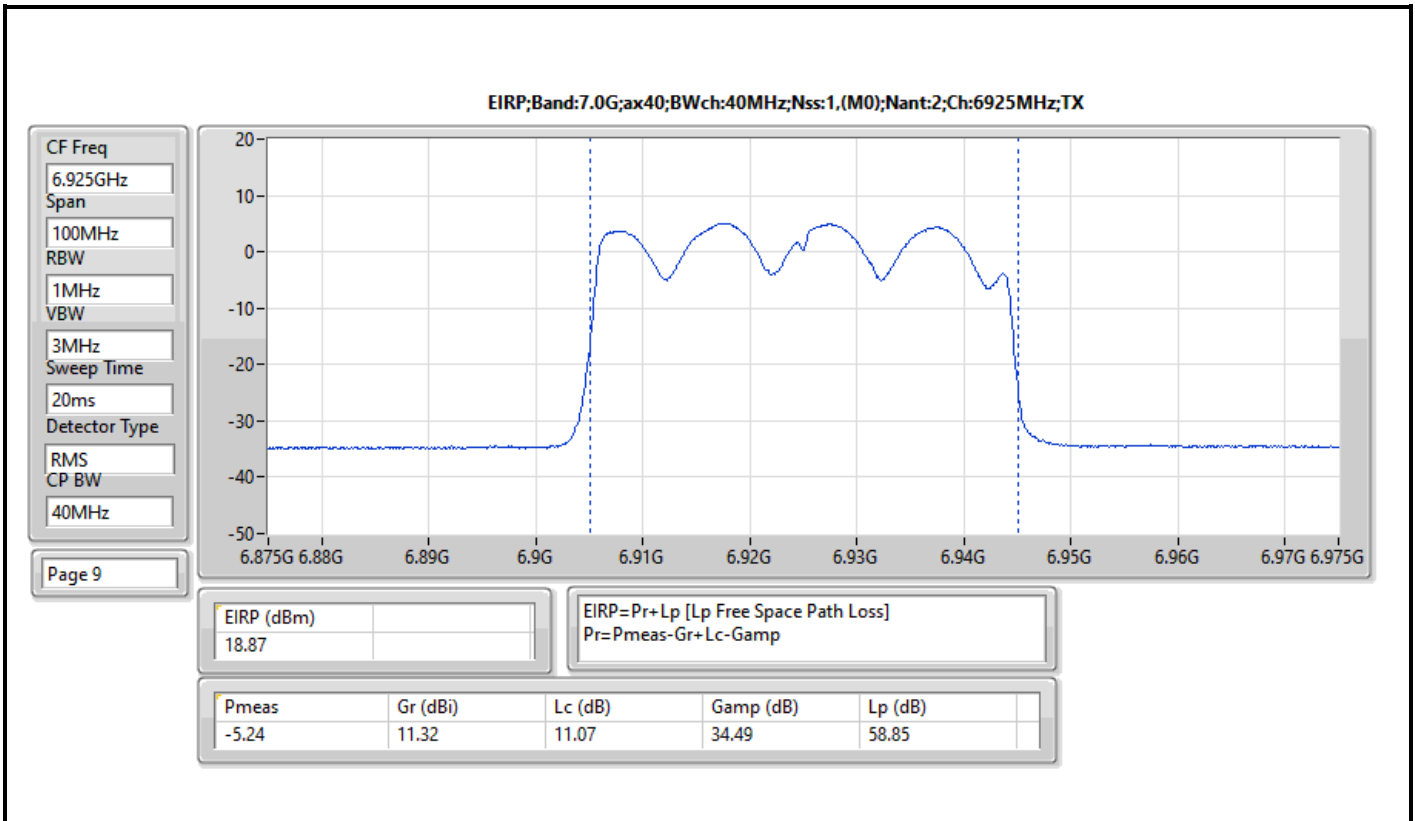


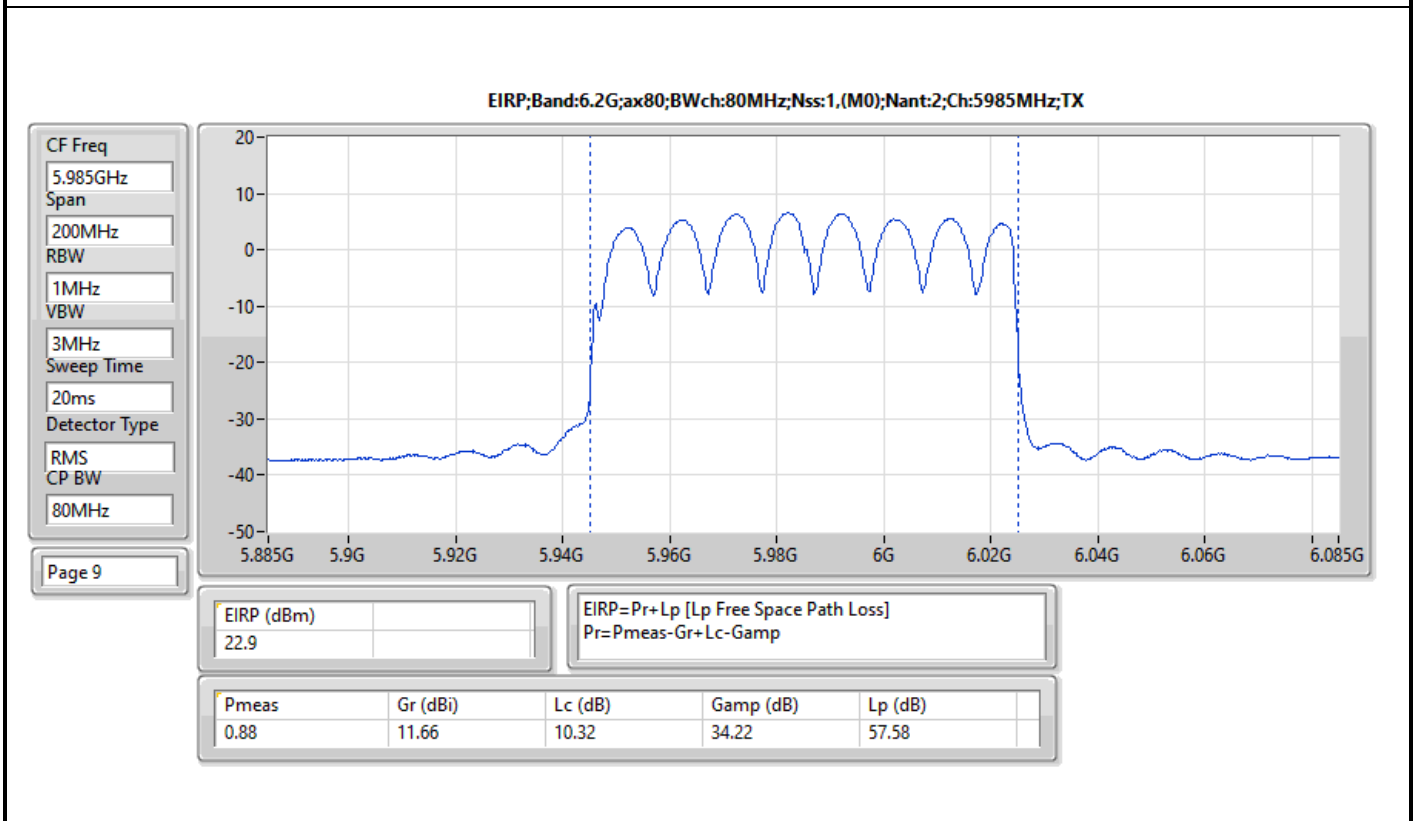
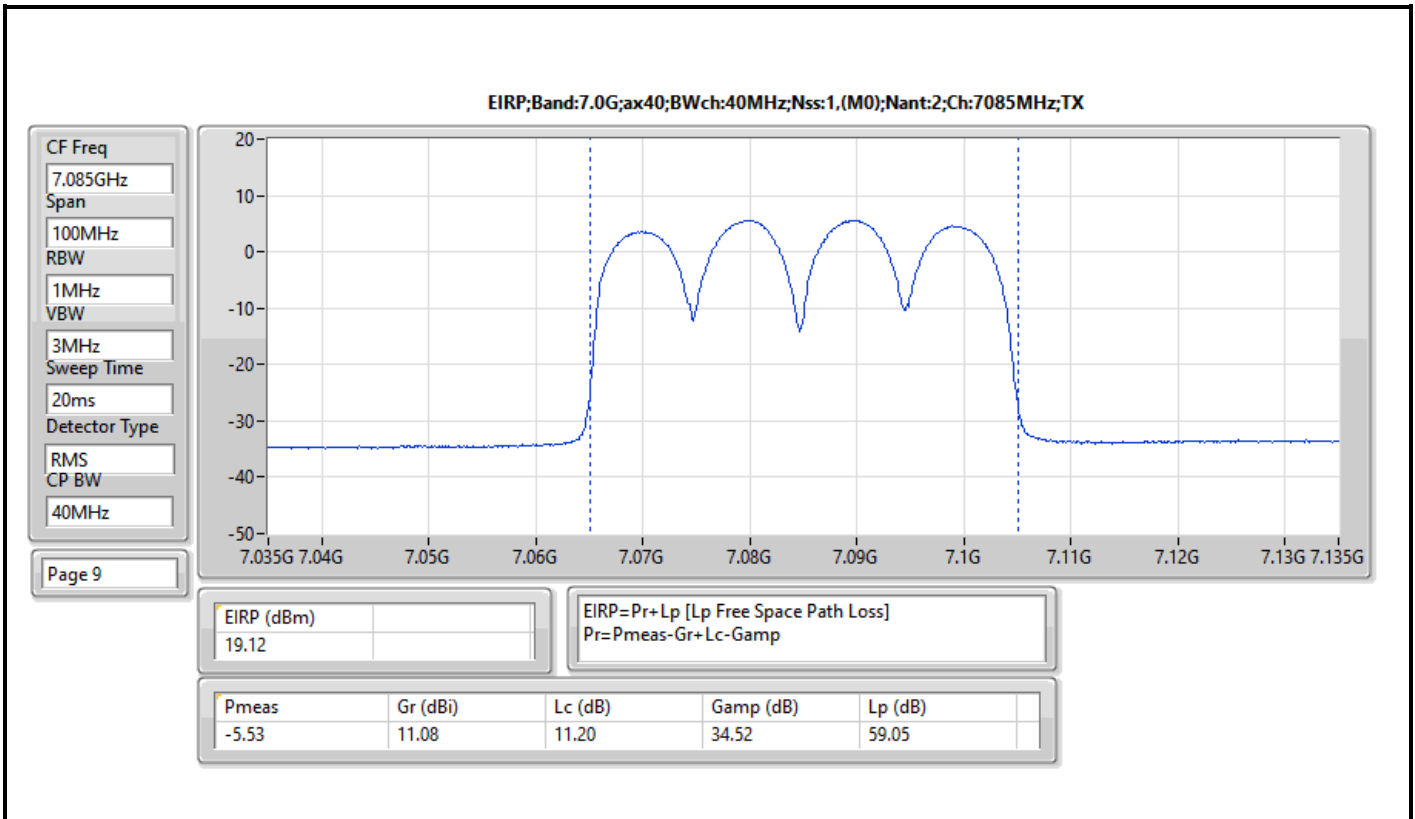


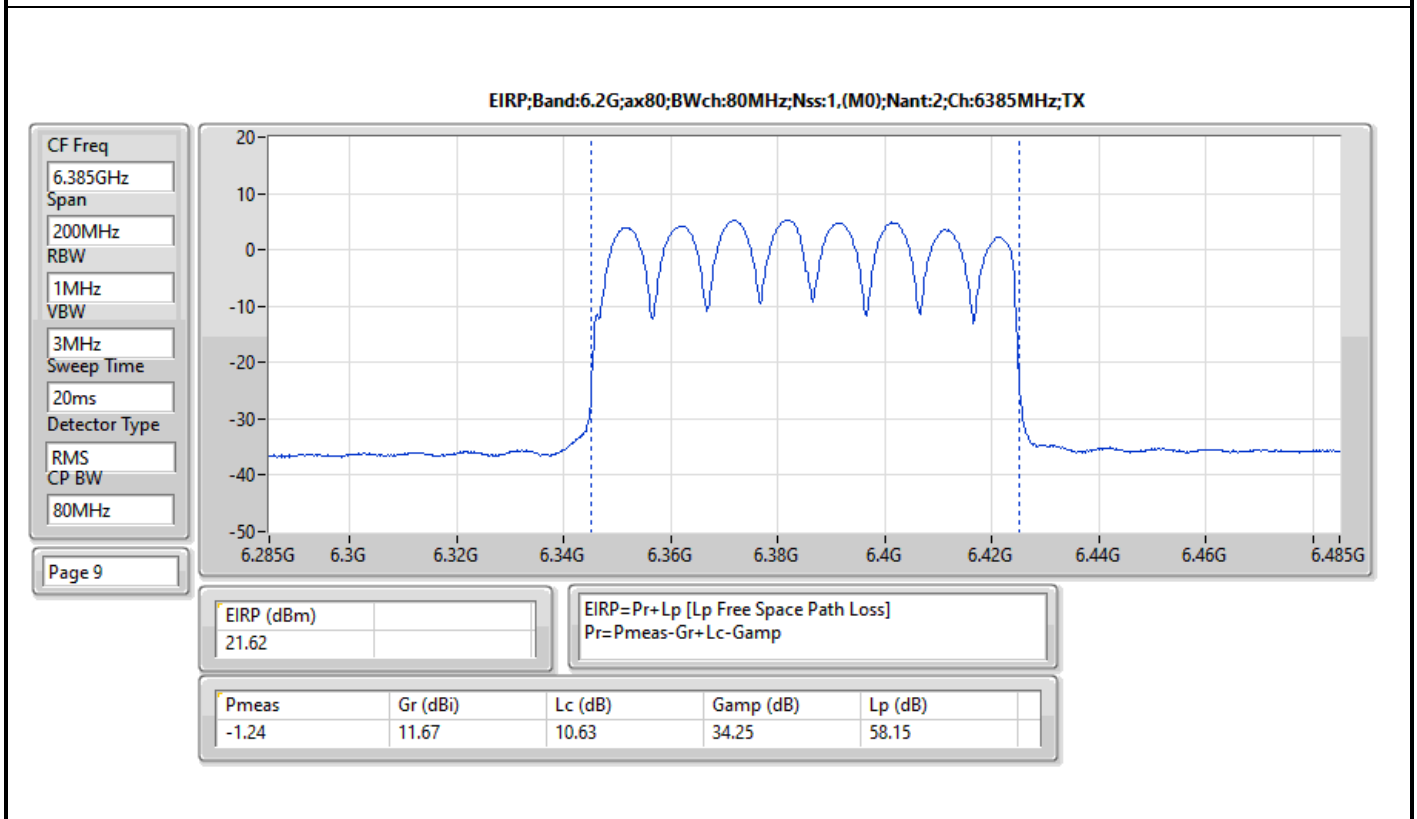
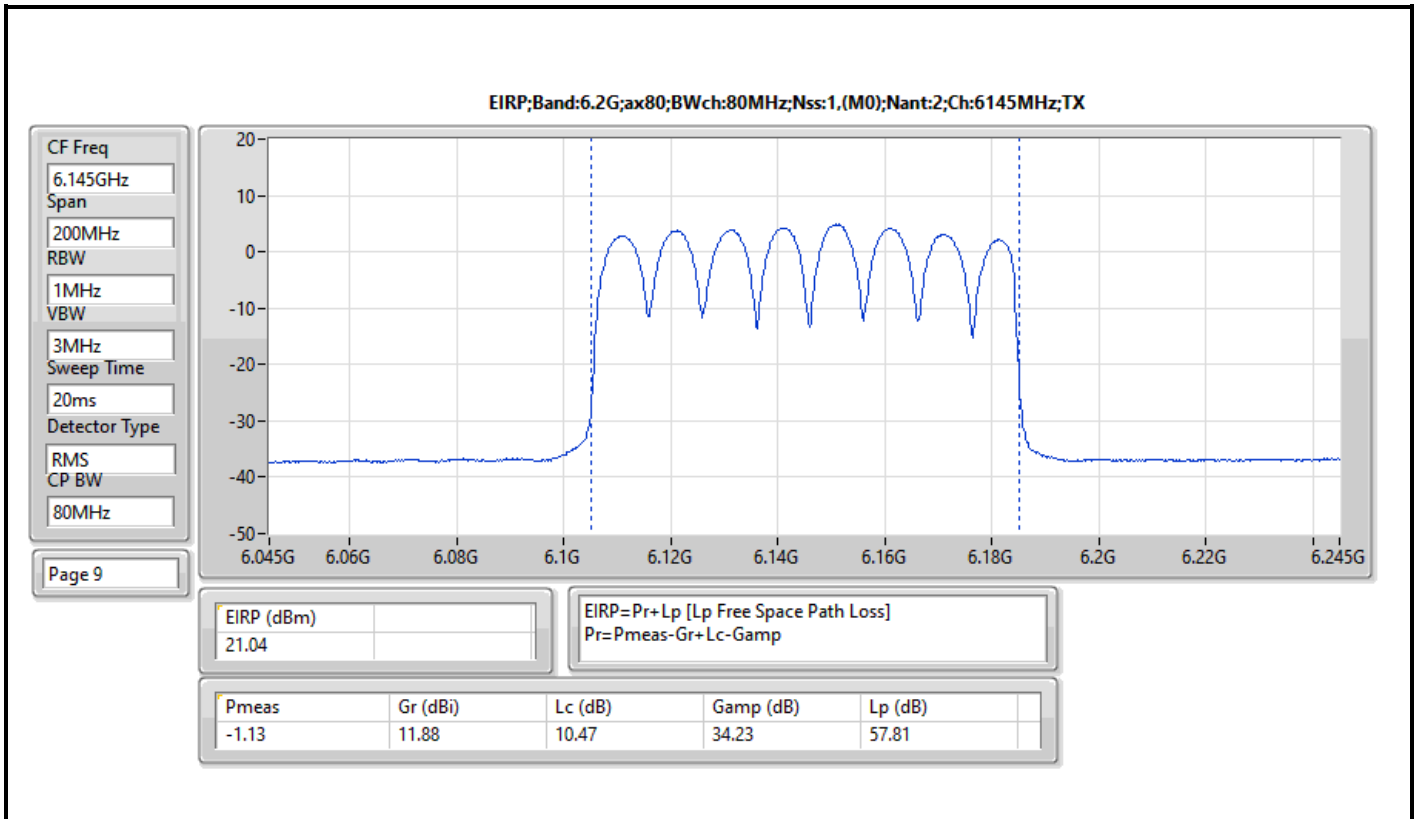


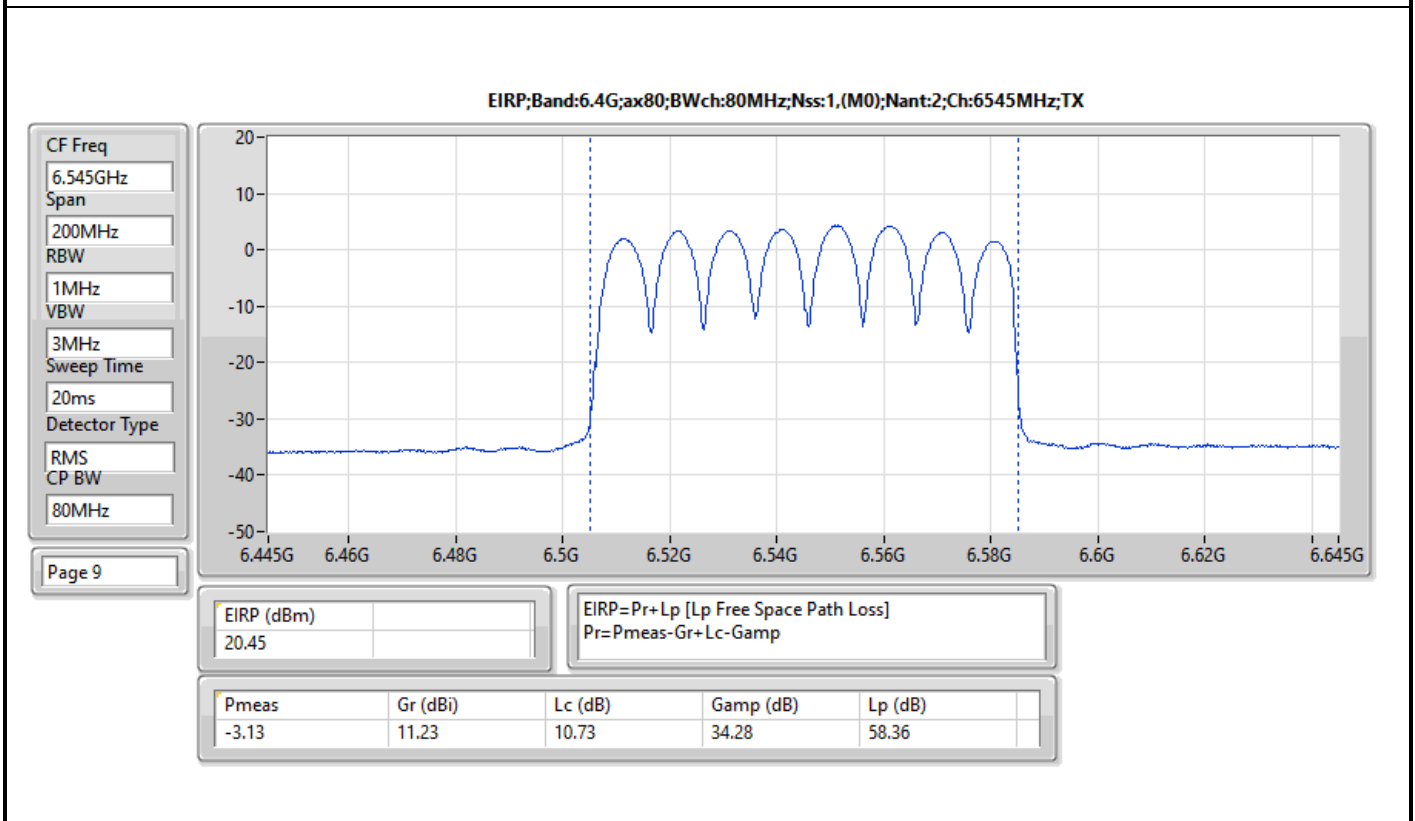
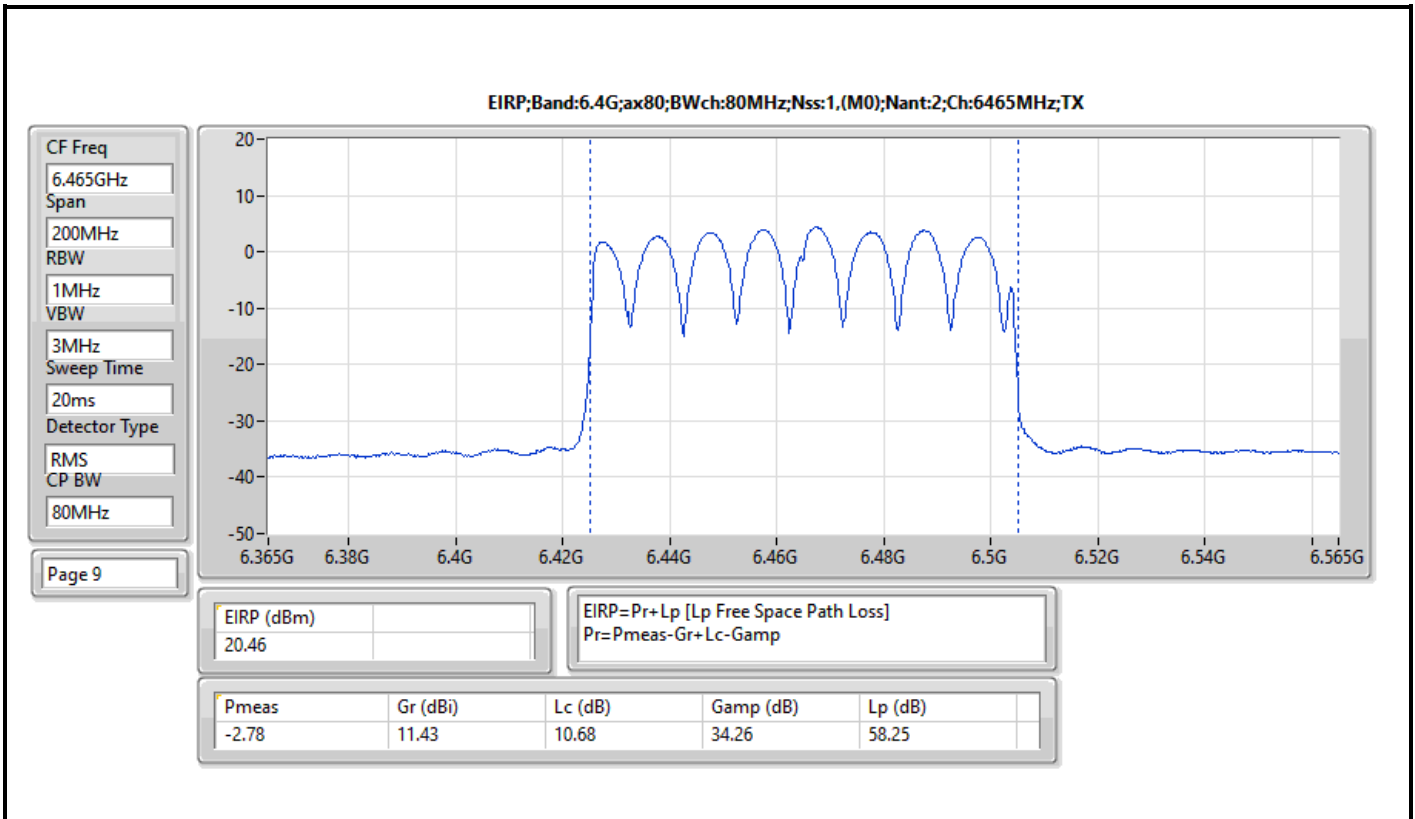


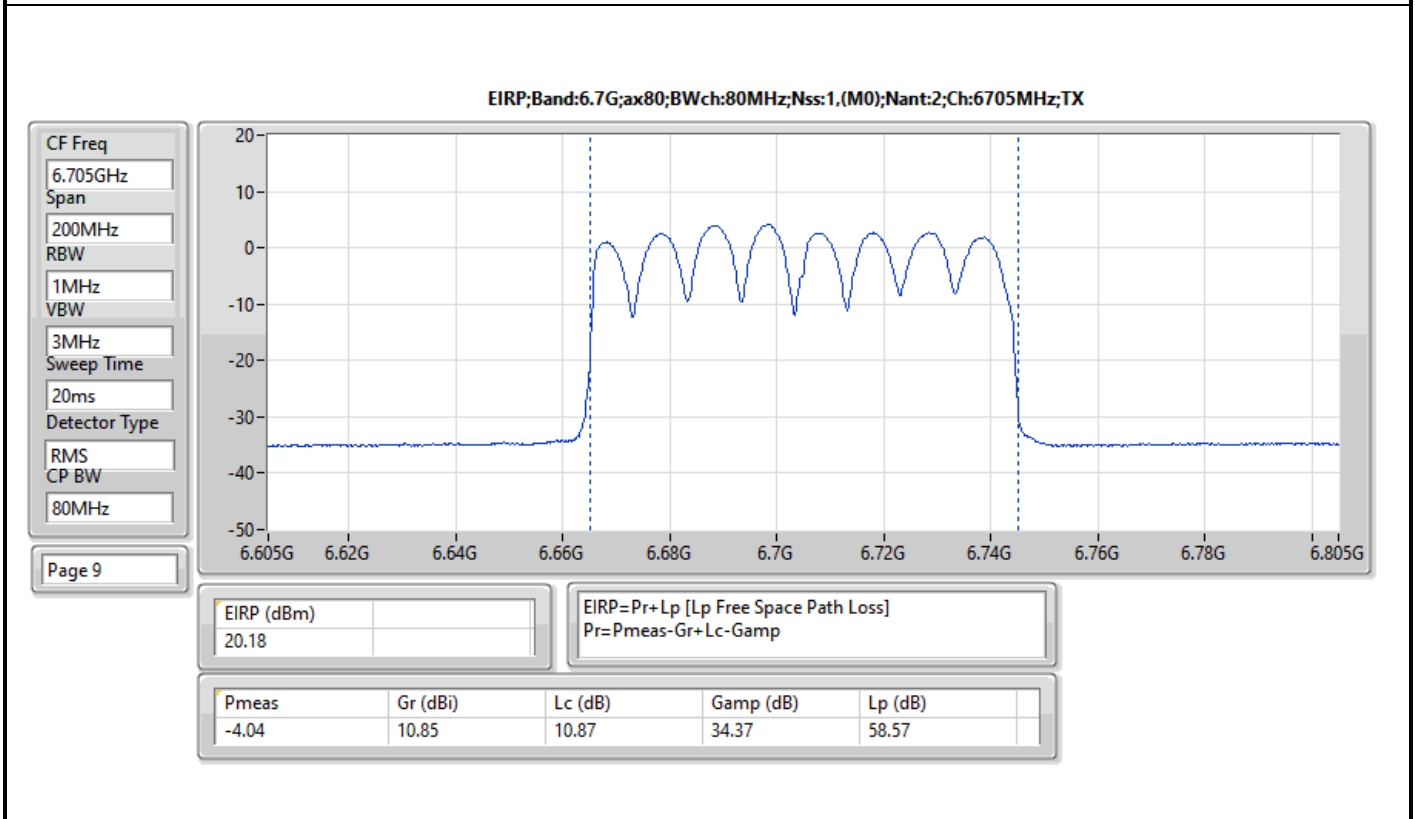
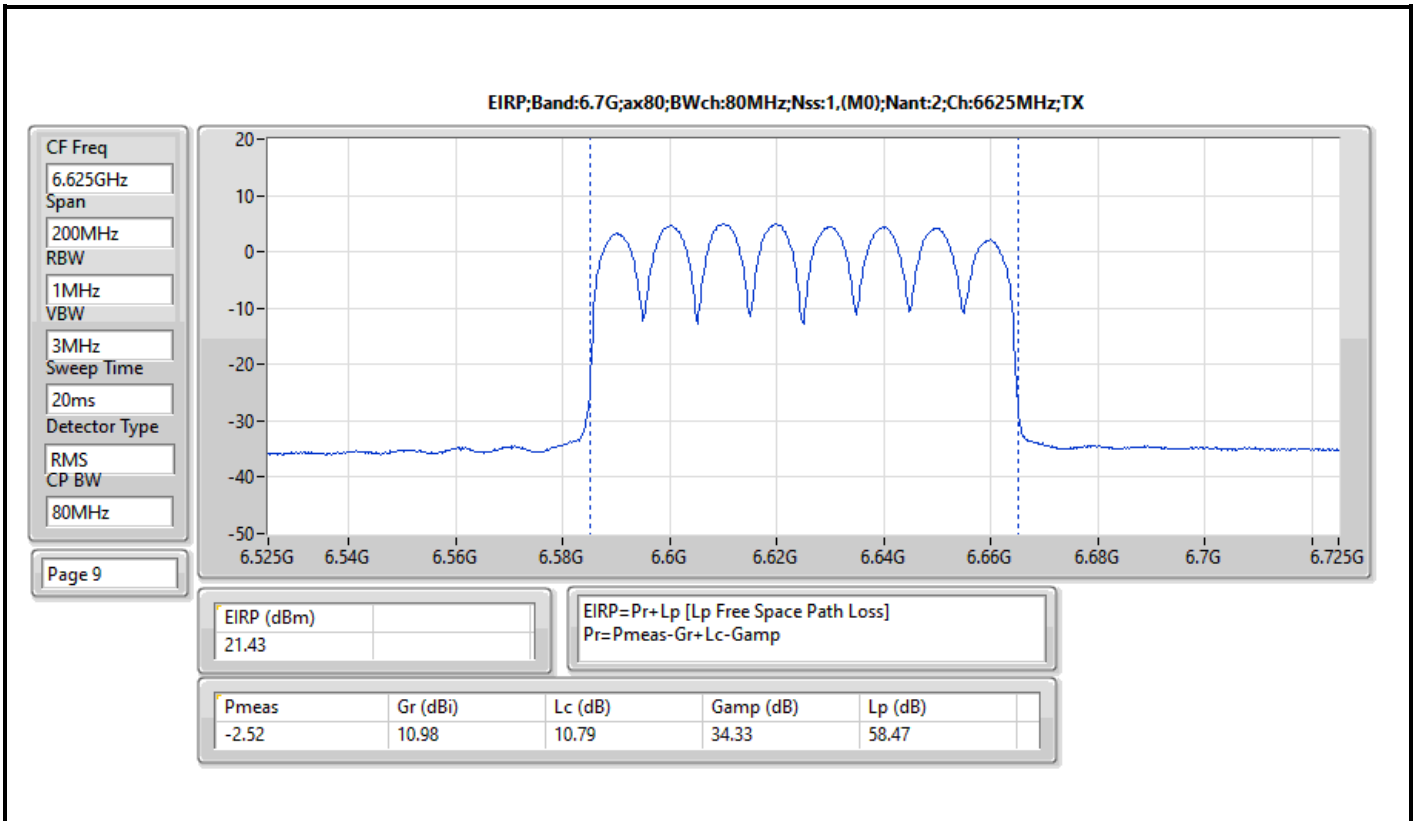


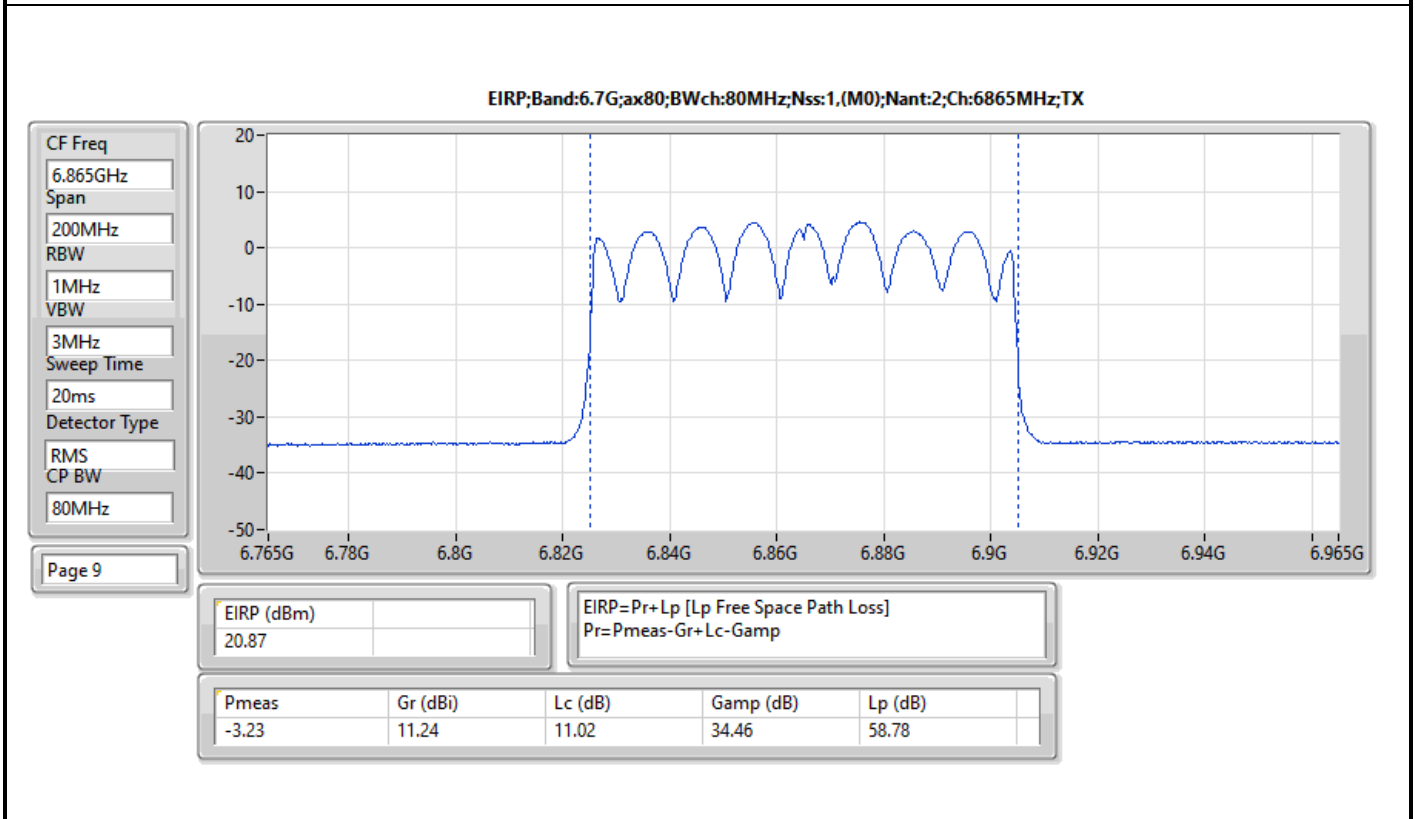
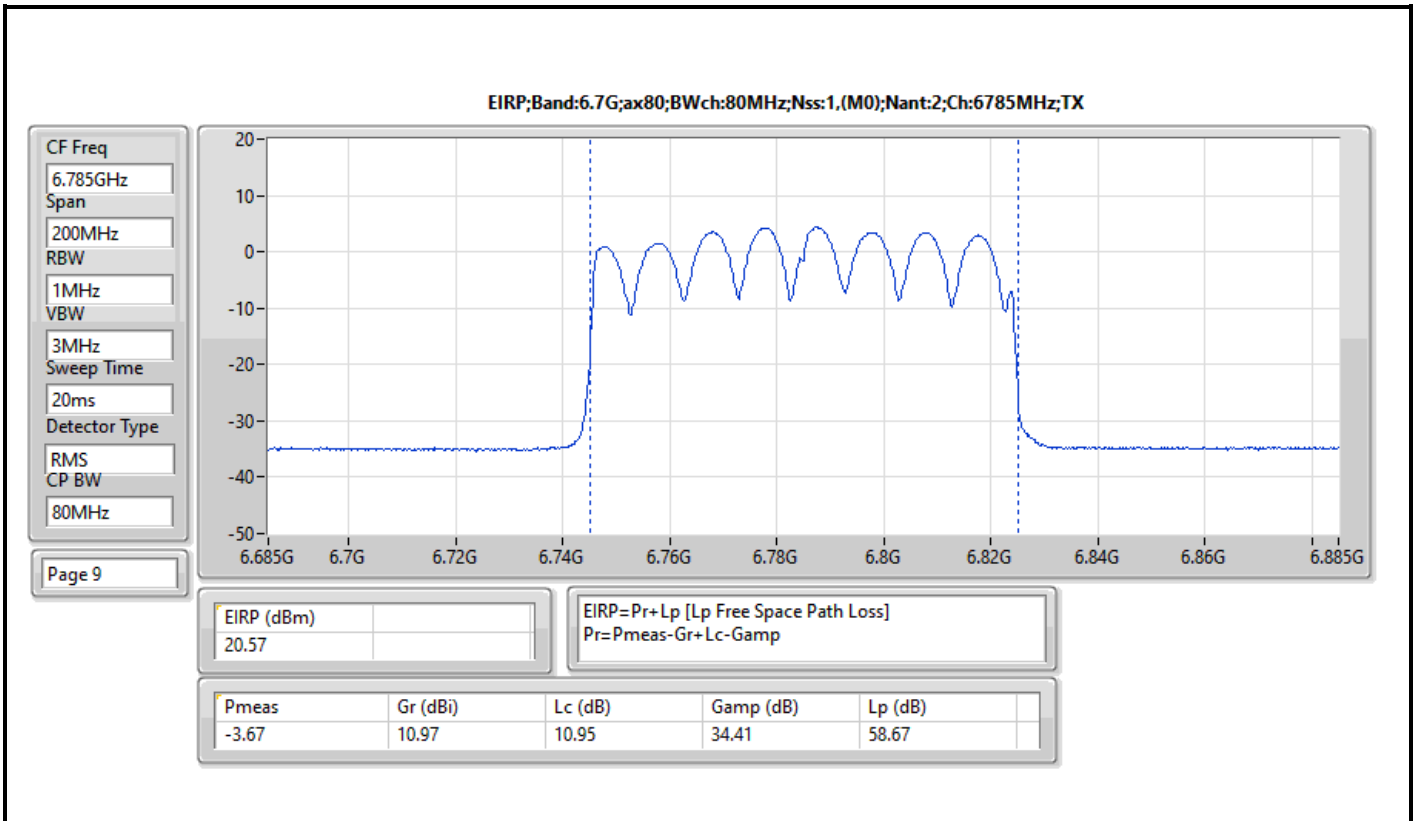


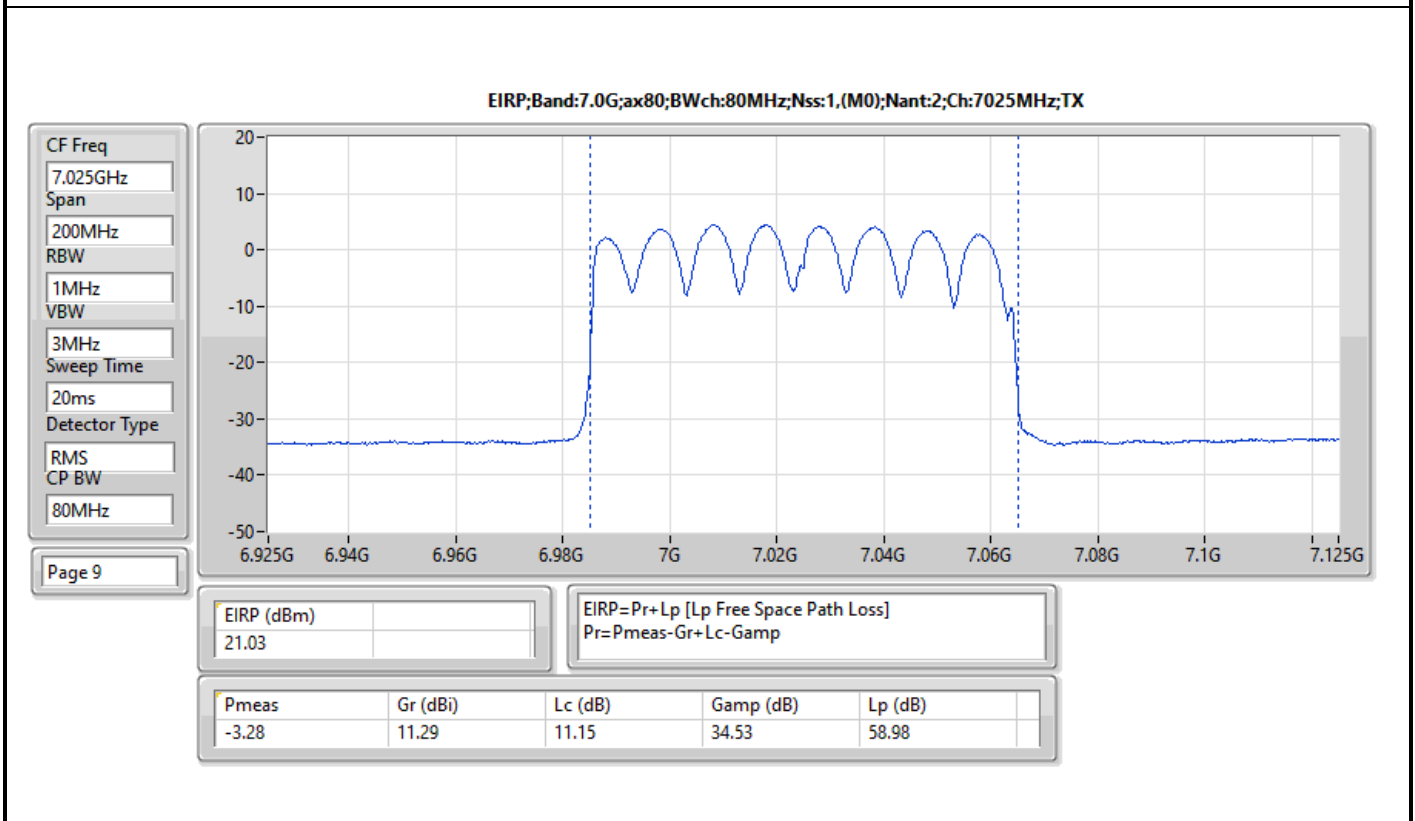
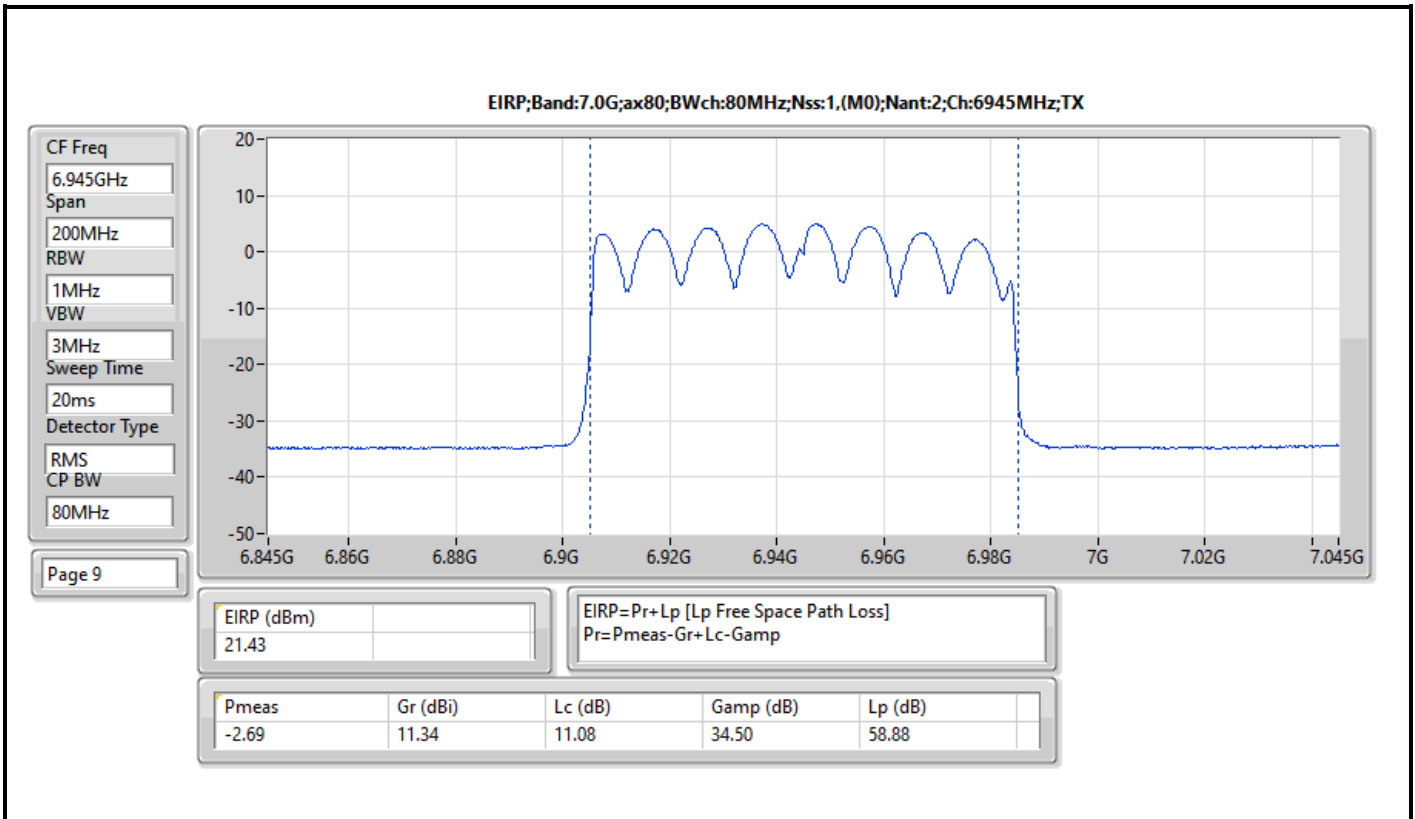


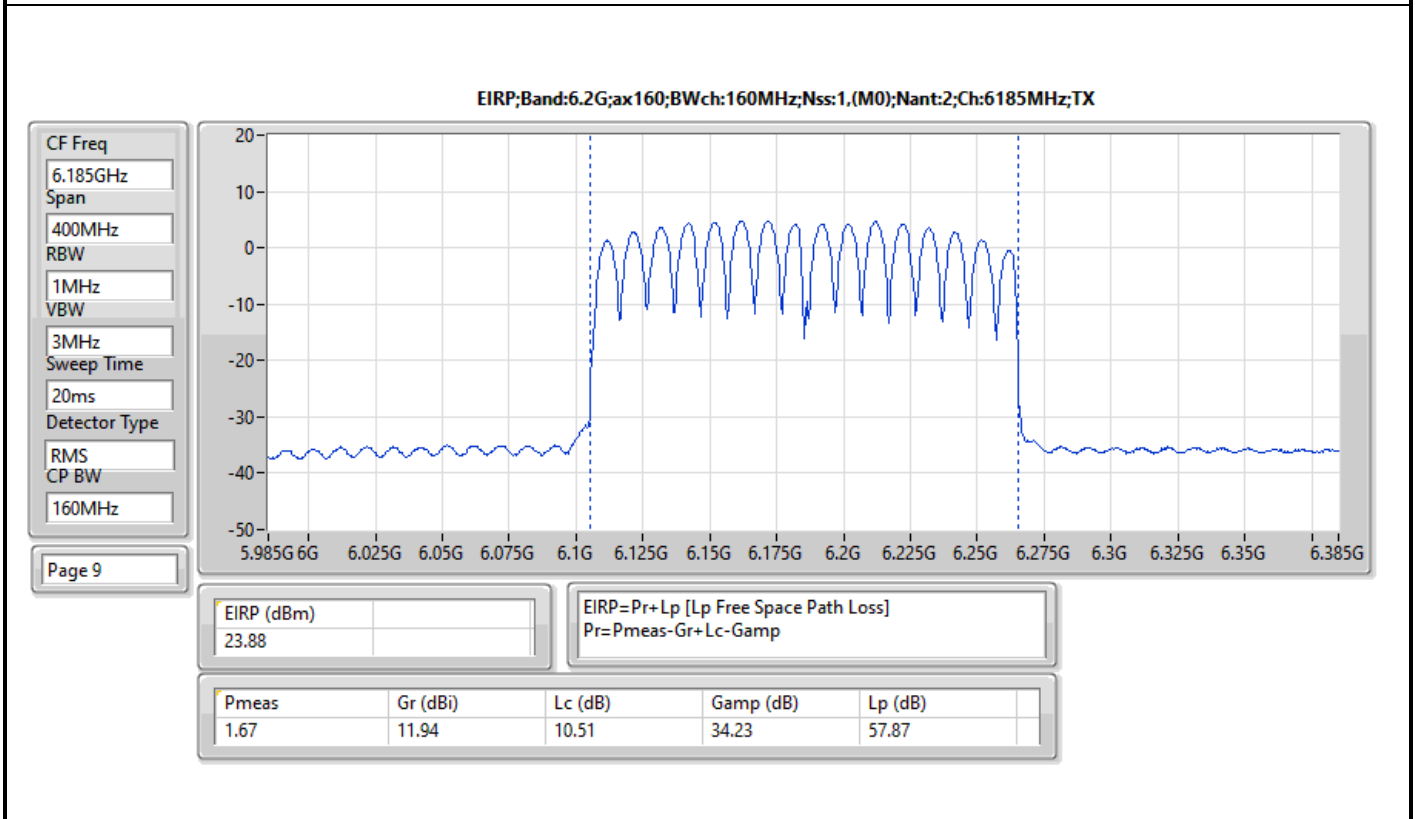
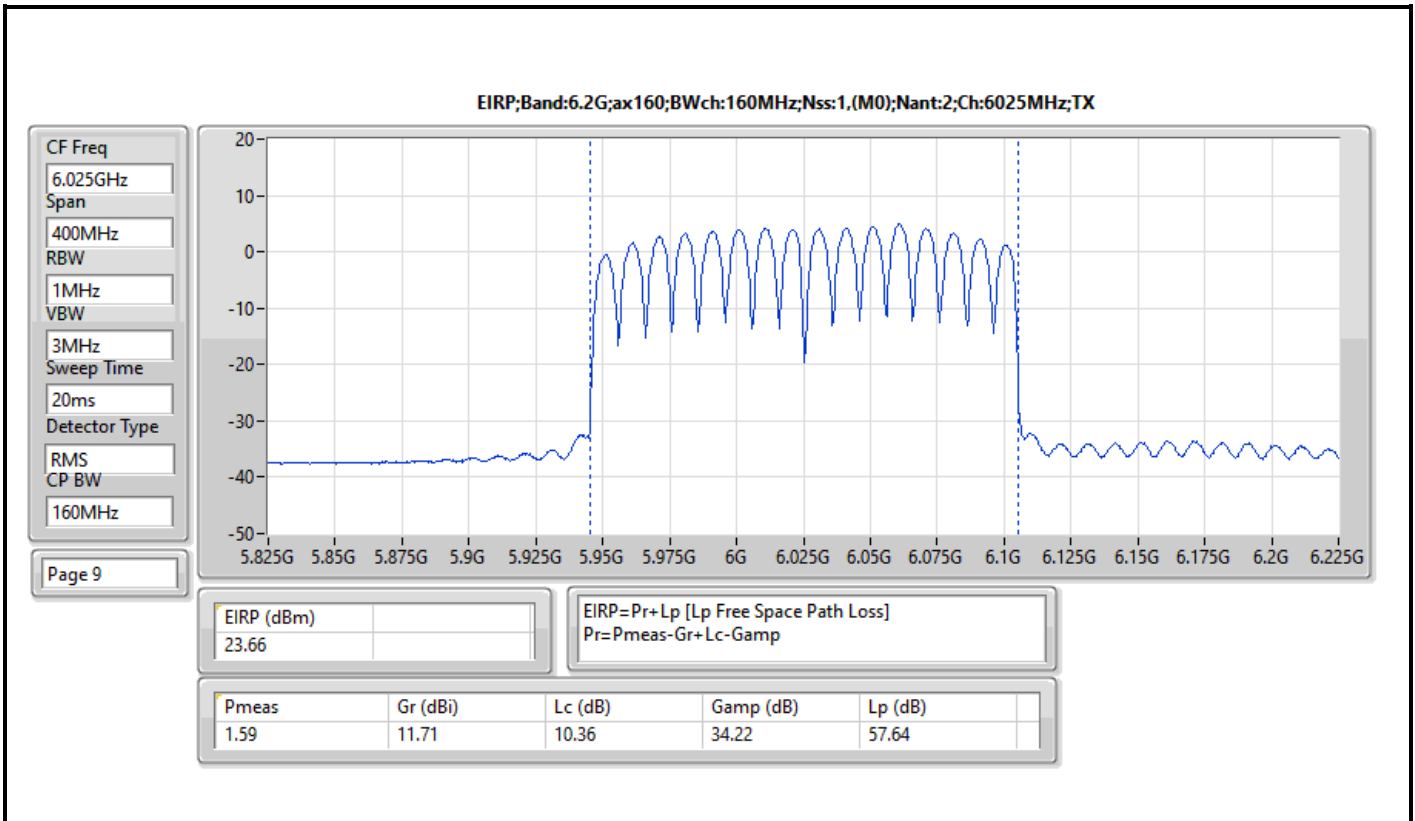


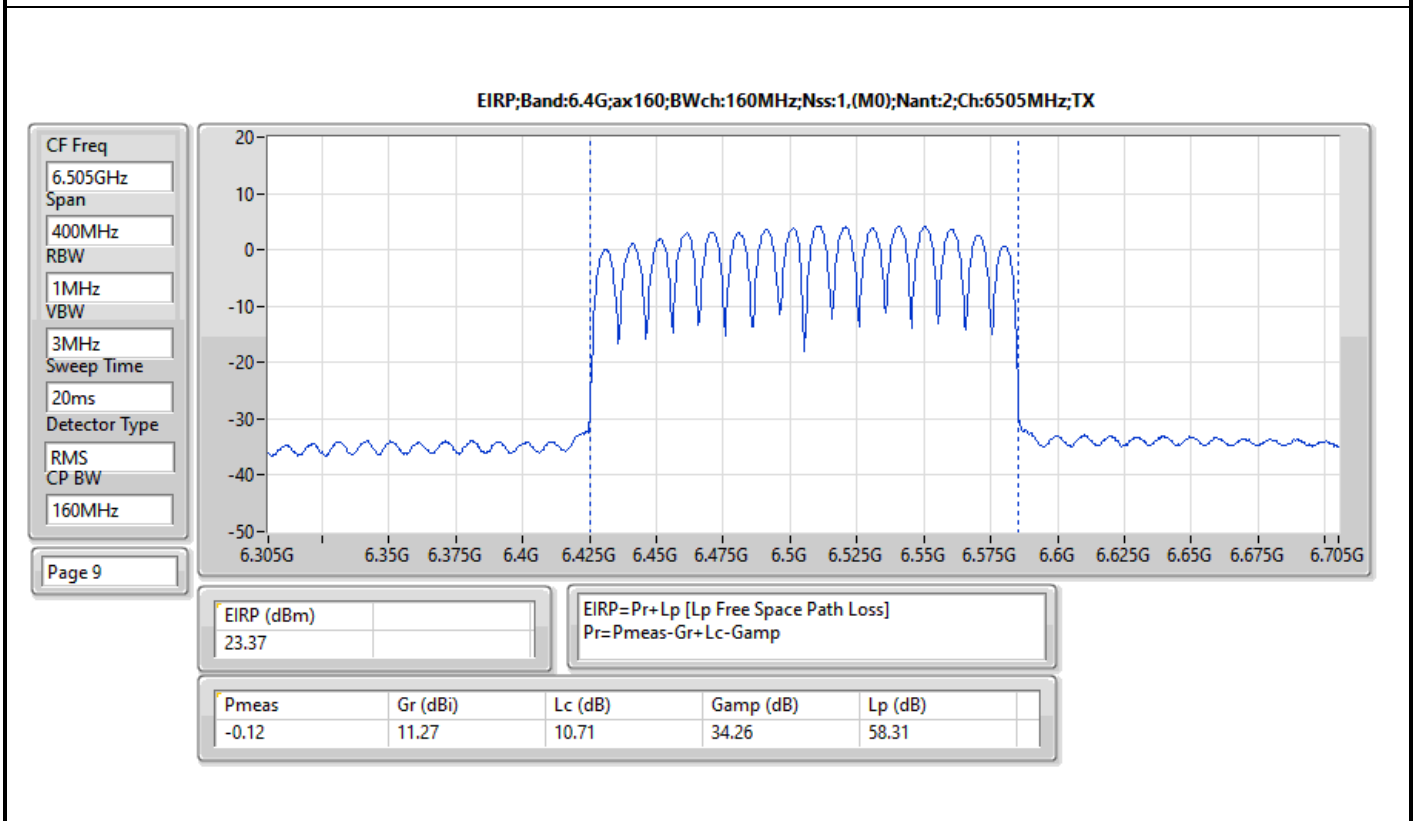
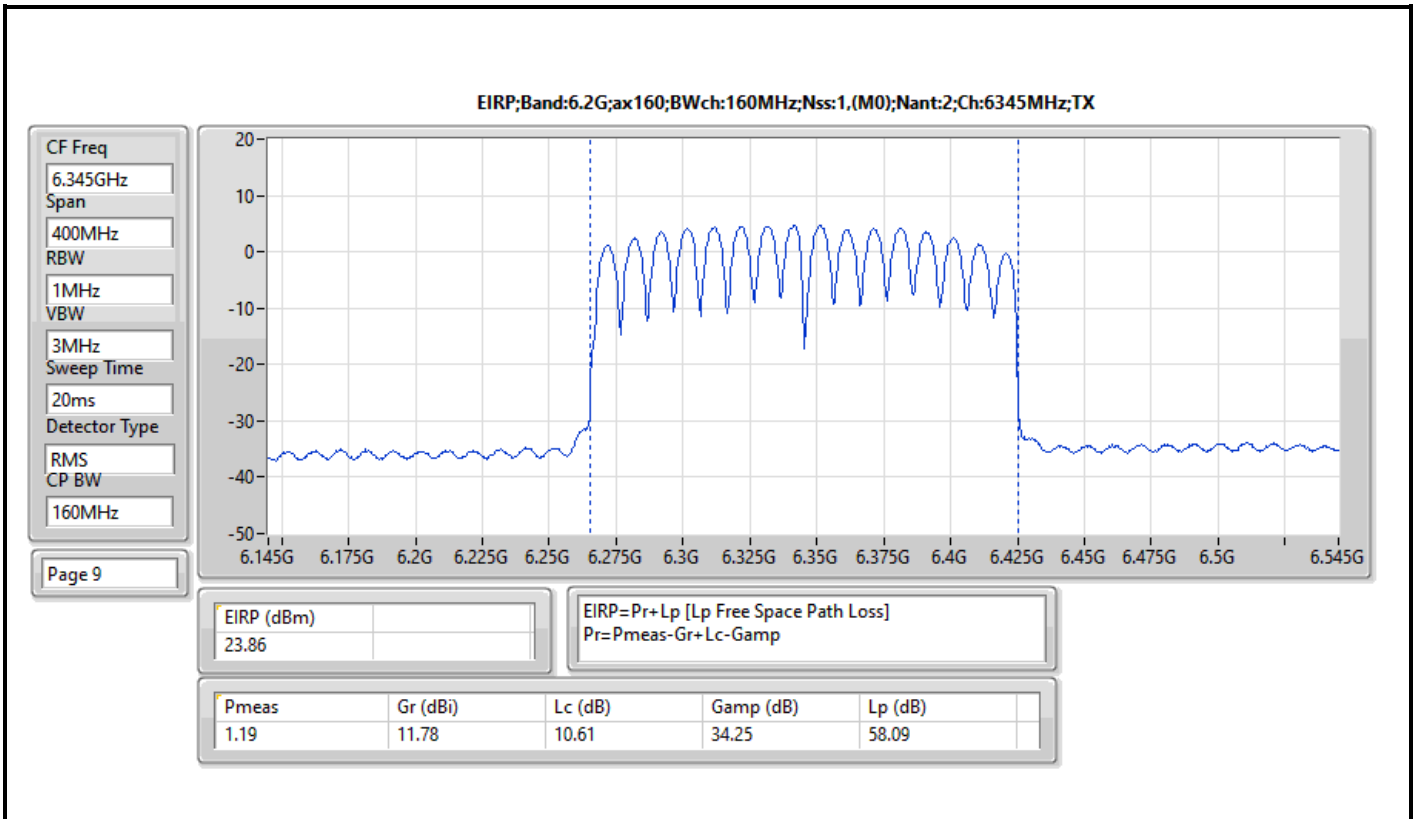


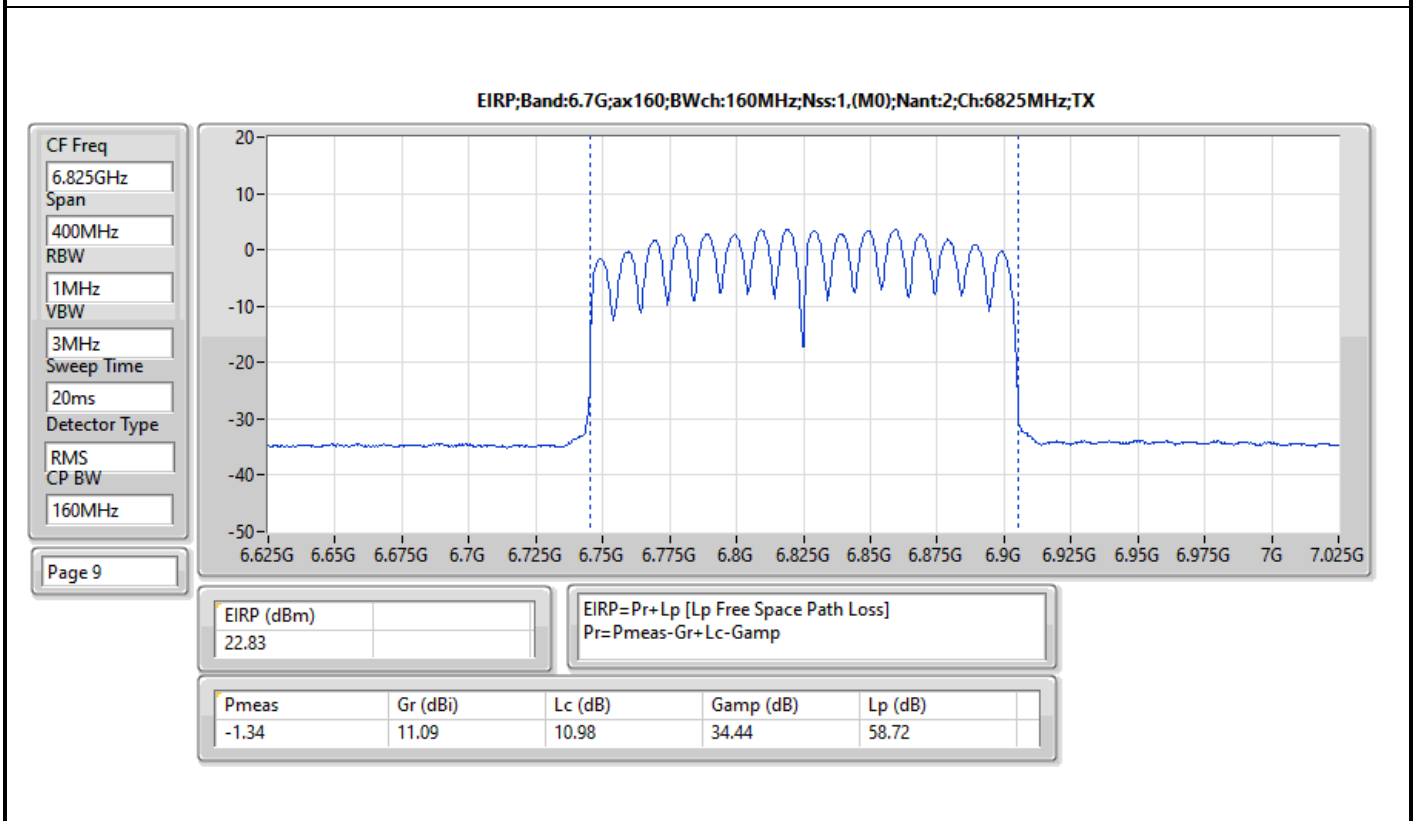
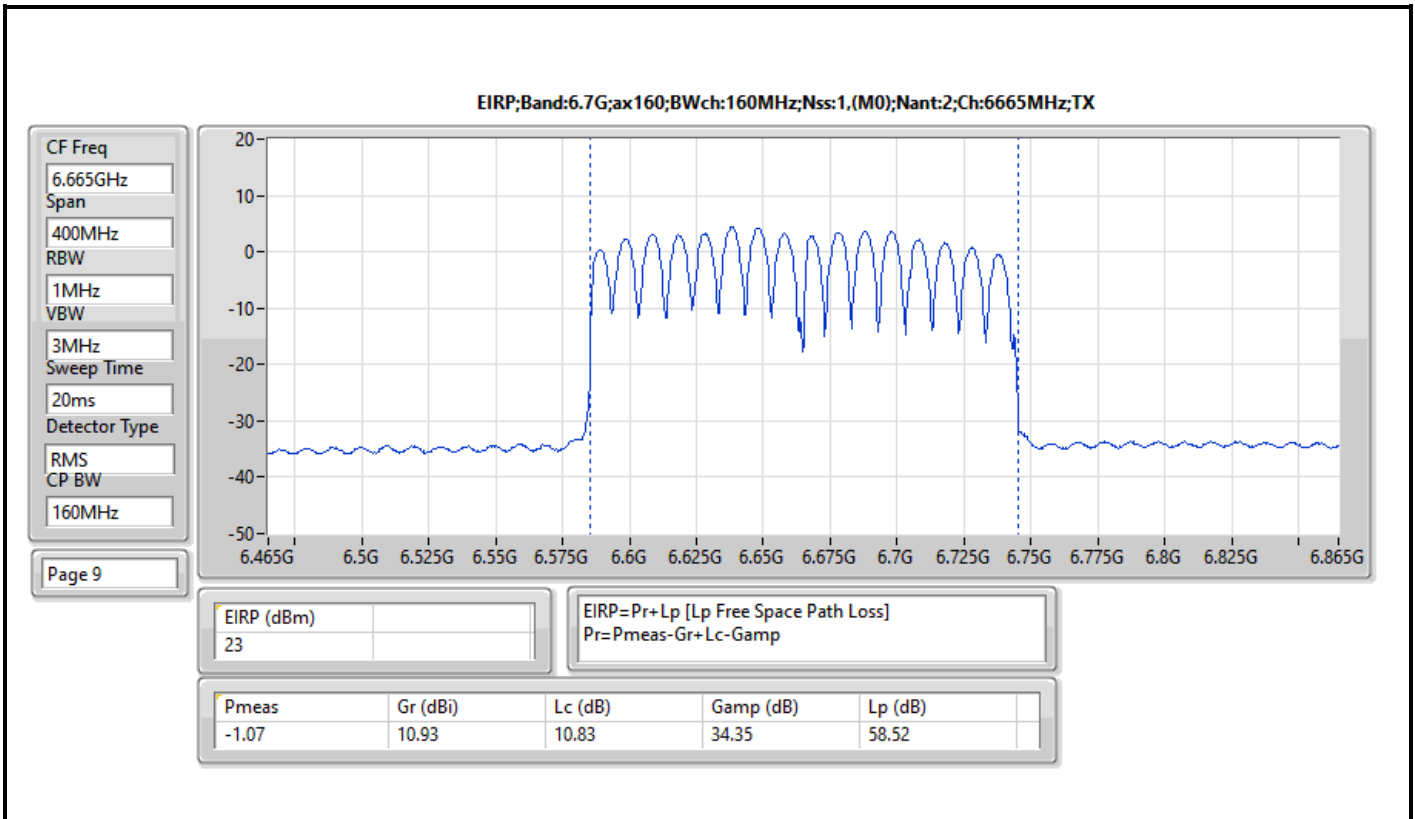


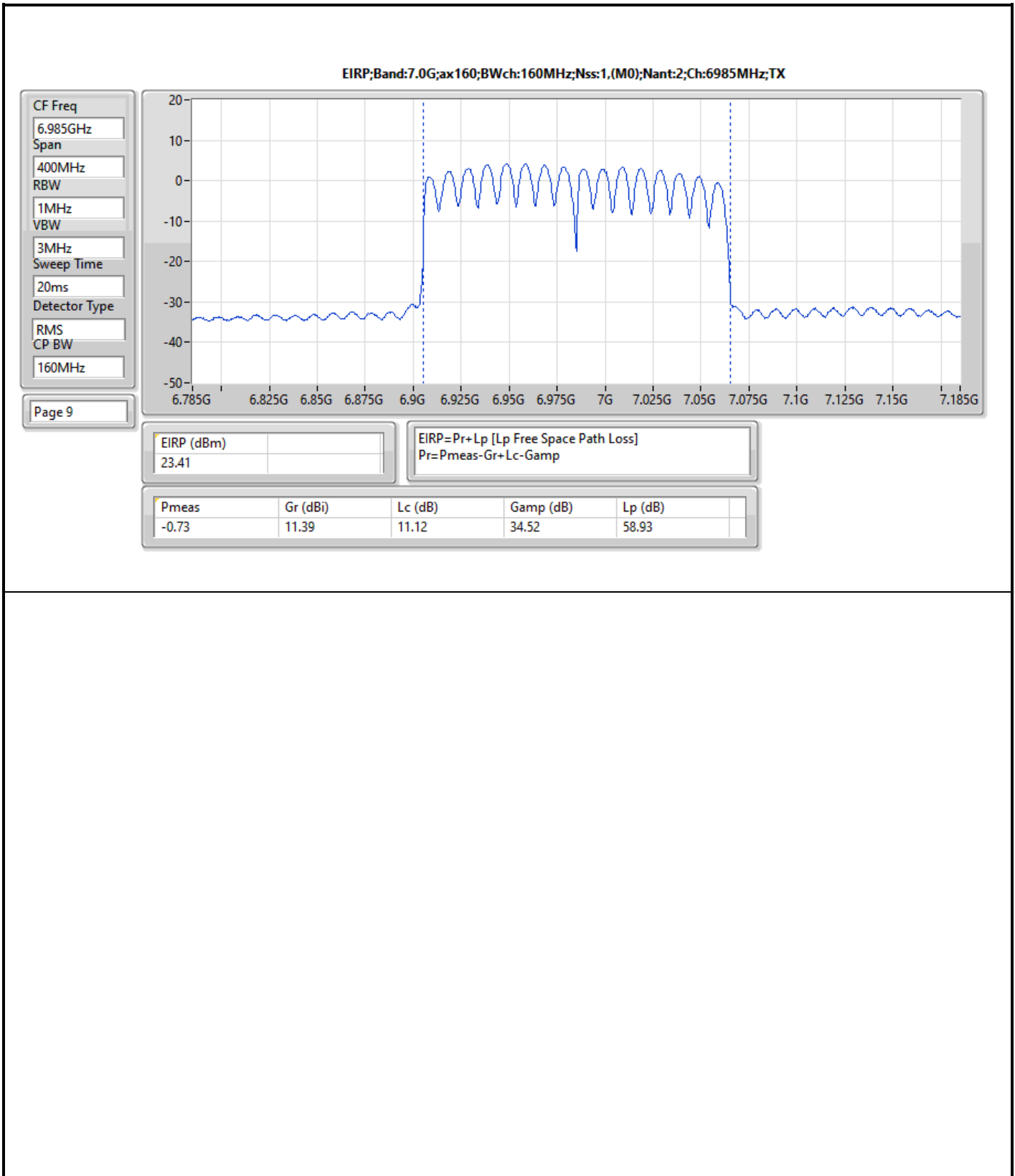














Summary

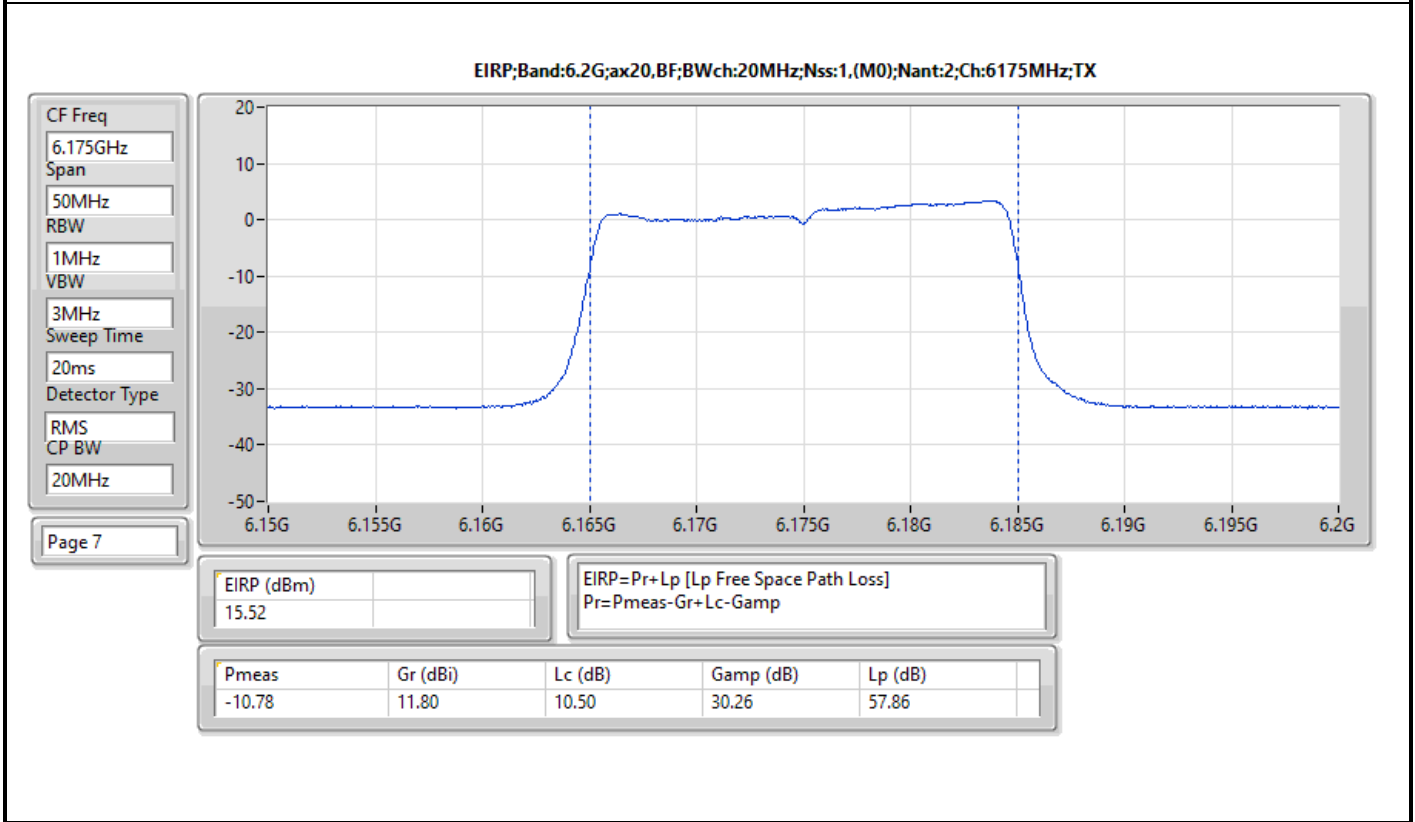
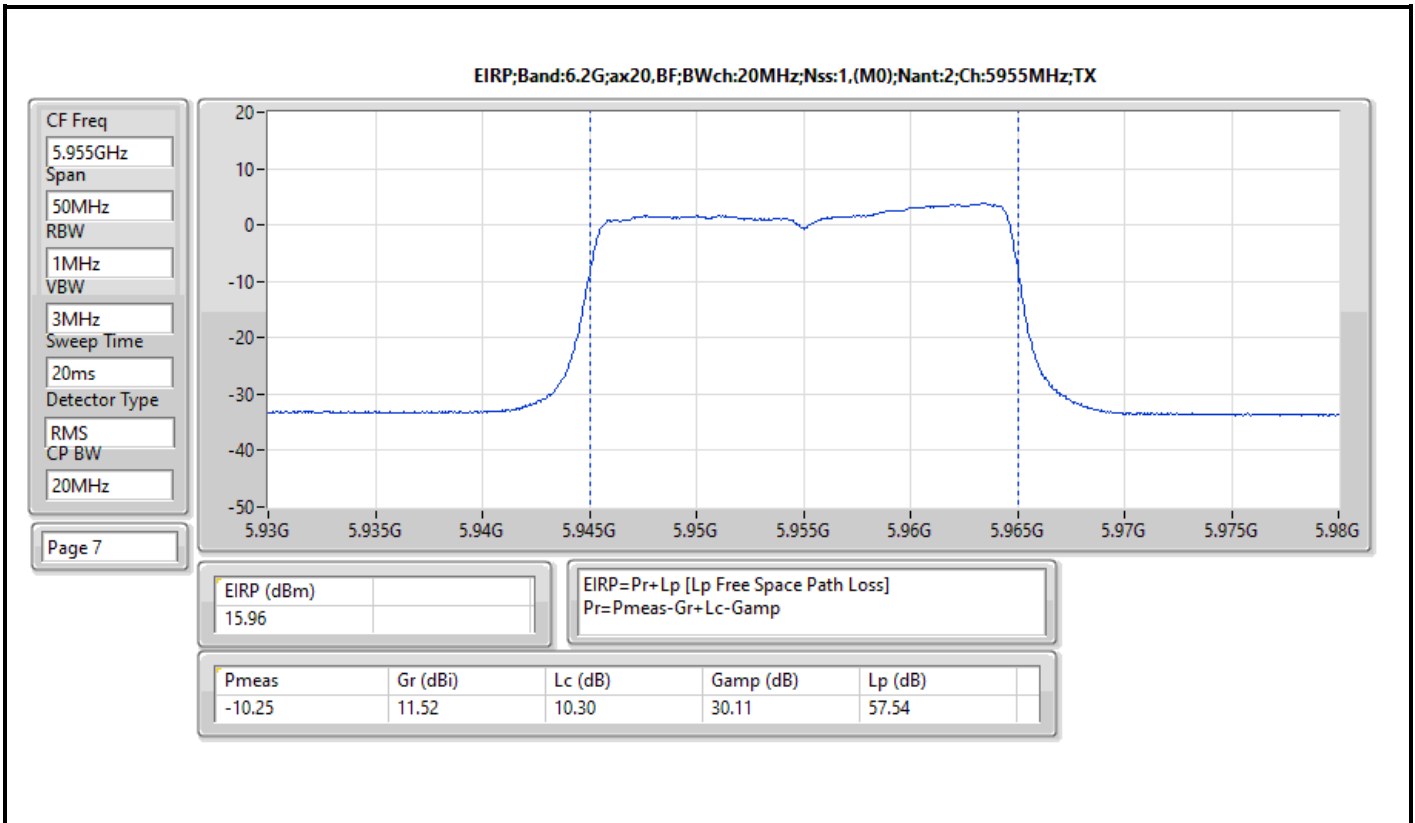
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.79	0.04775
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.80	0.09550
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	20.49	0.11194
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	23.92	0.24660
6.425-6.525GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.23	0.04198
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	18.27	0.06714
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	21.00	0.12589
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	24.67	0.29309
6.525-6.875GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	17.14	0.05176
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.65	0.09226
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.10	0.16218
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	23.67	0.23281
6.875-7.125GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.00	0.03981
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.56	0.11376
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	23.86	0.24322
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	22.73	0.18750

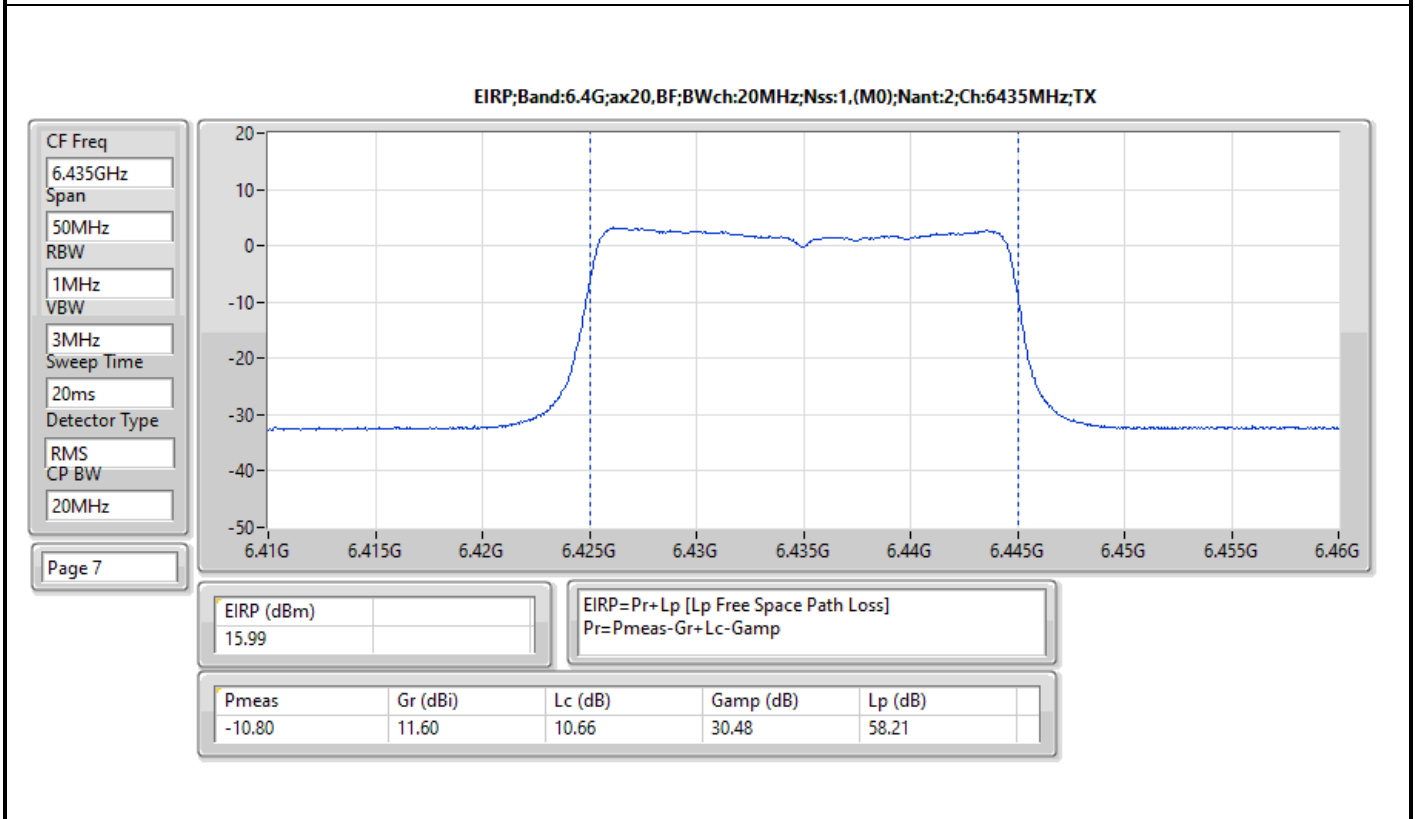
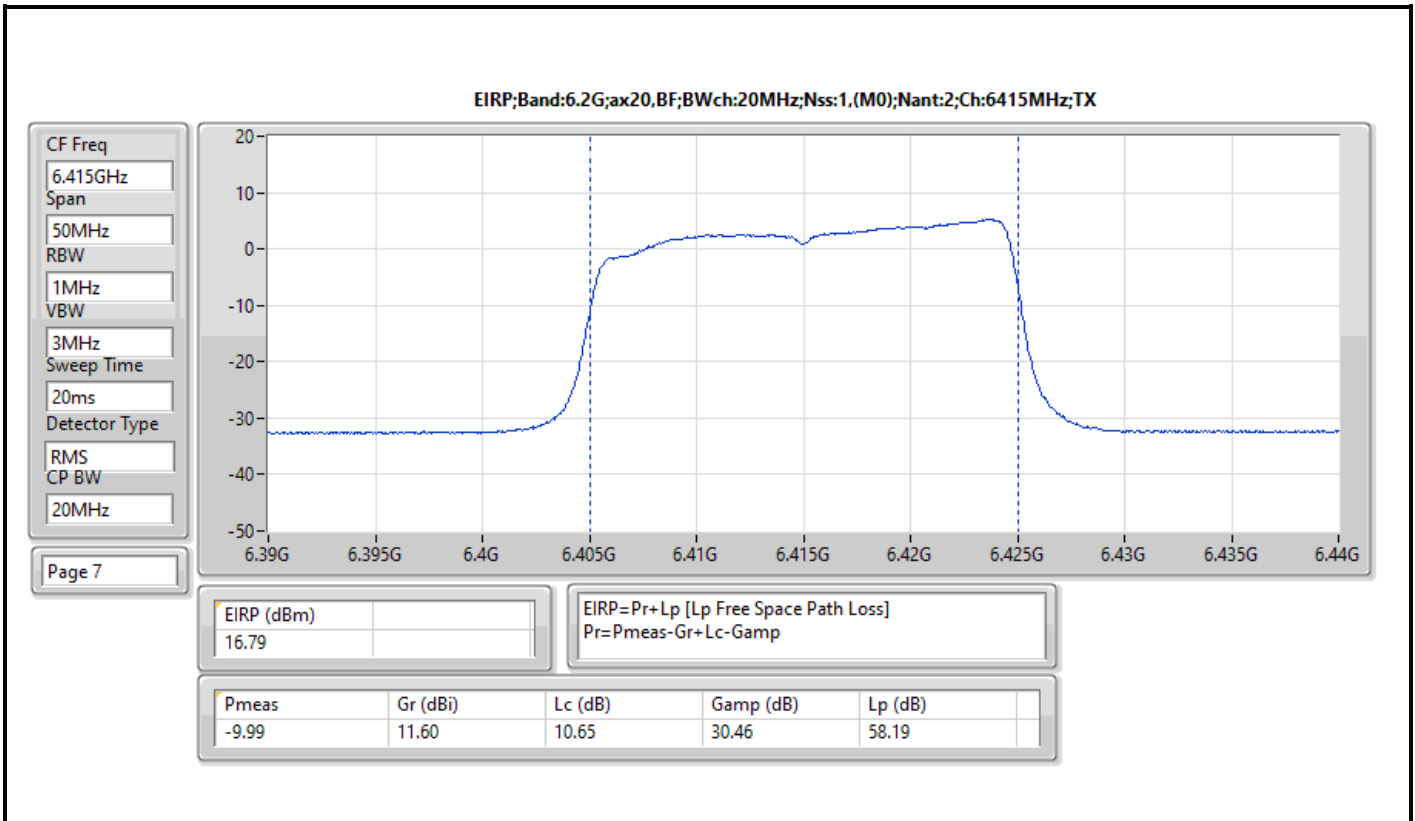


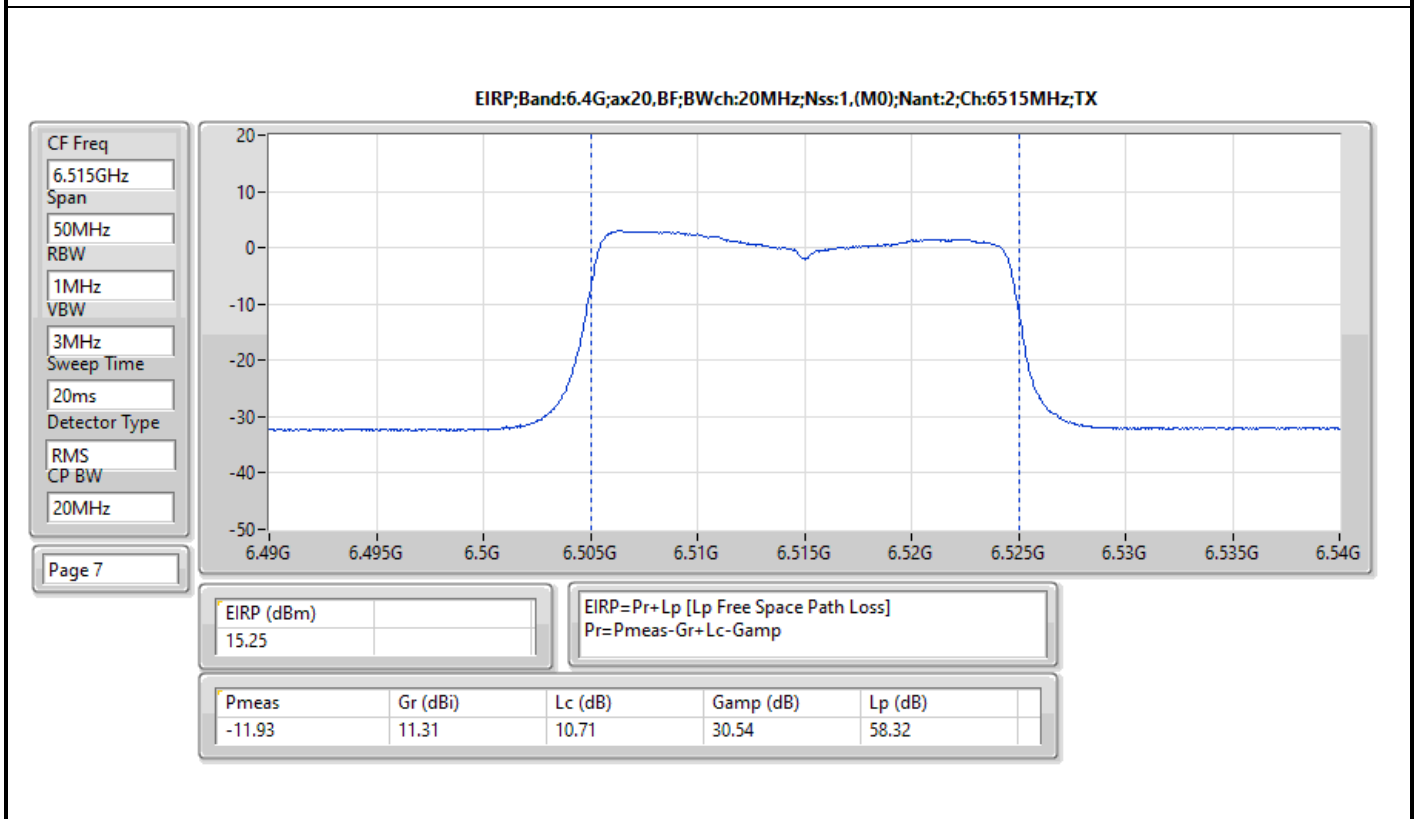
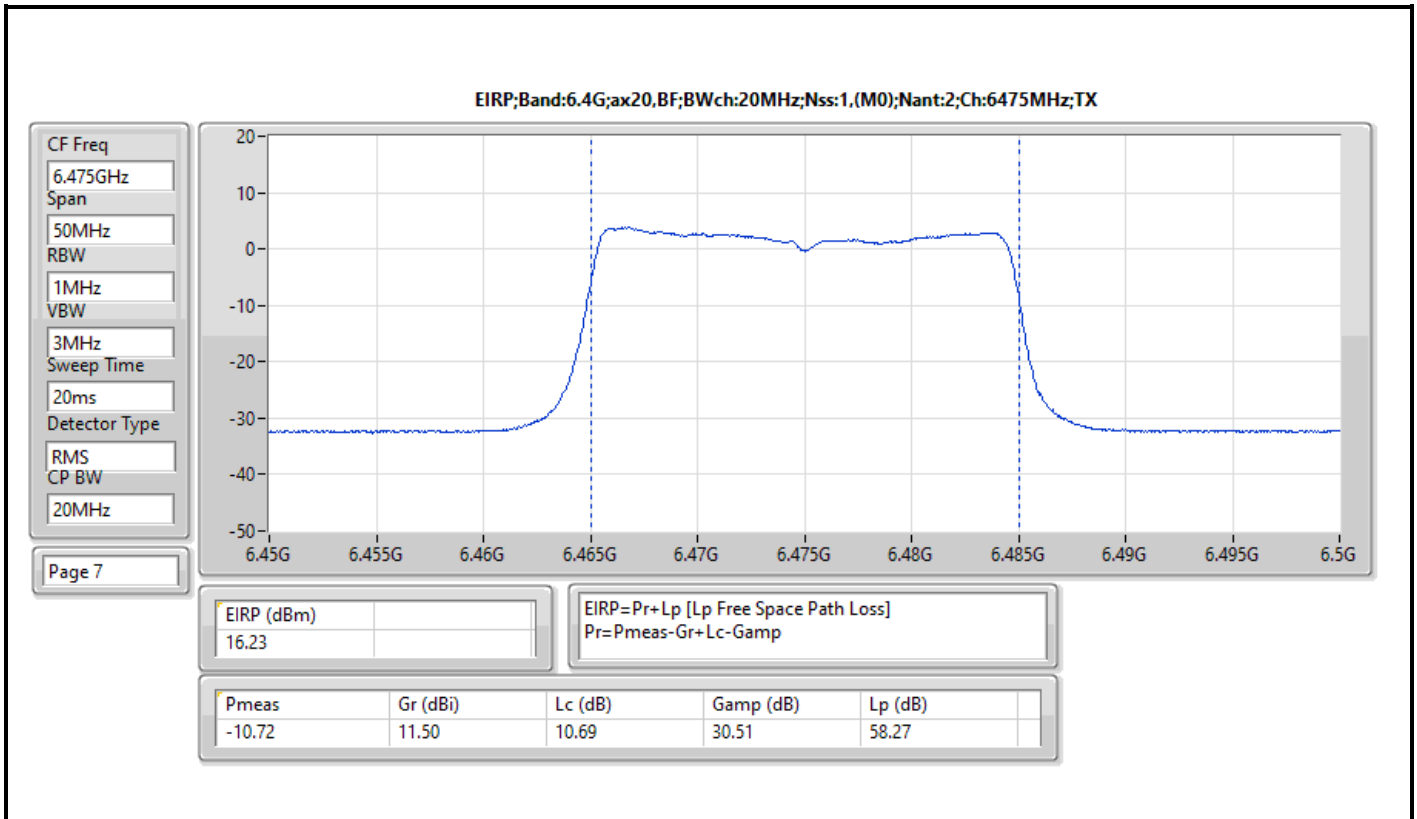
Result

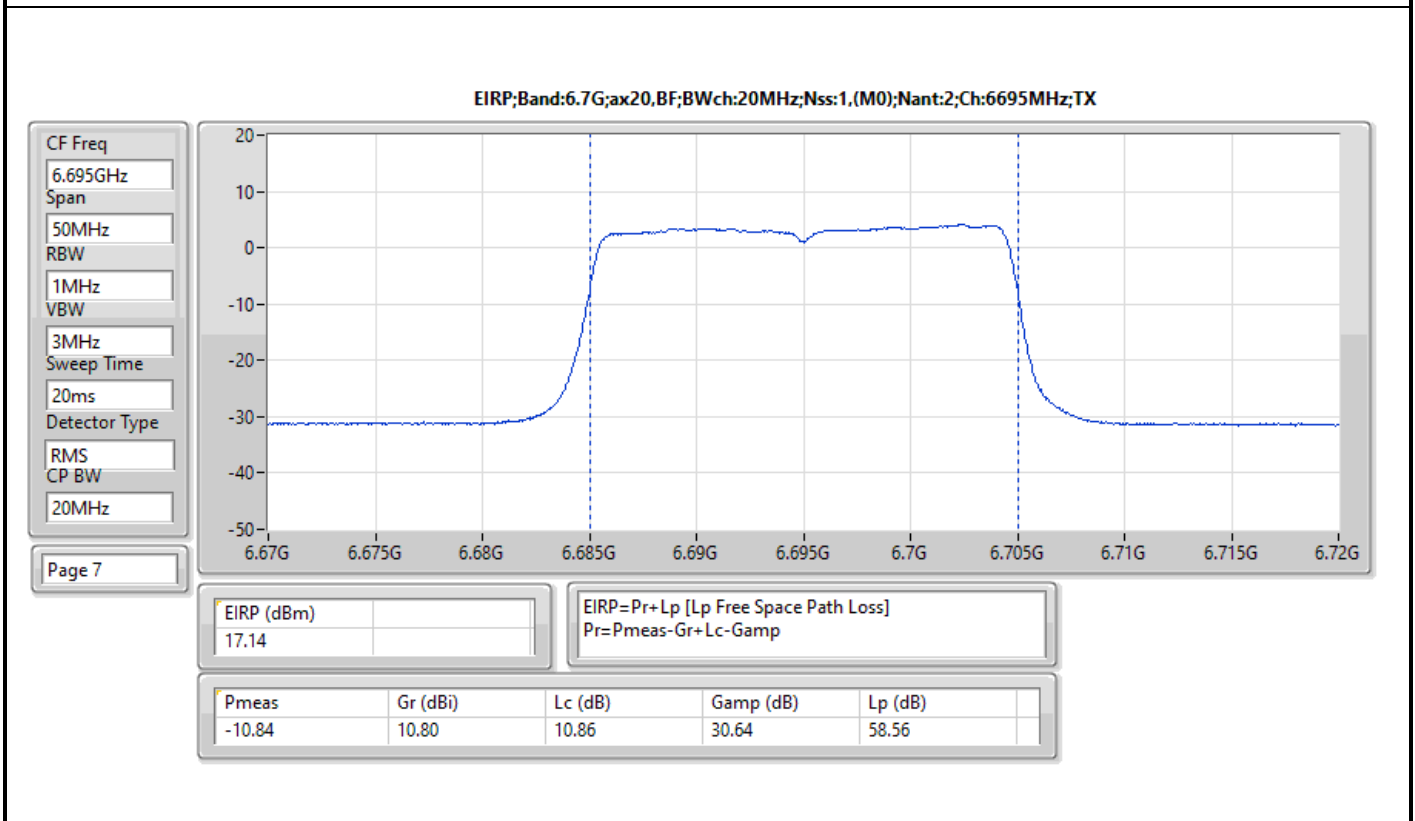
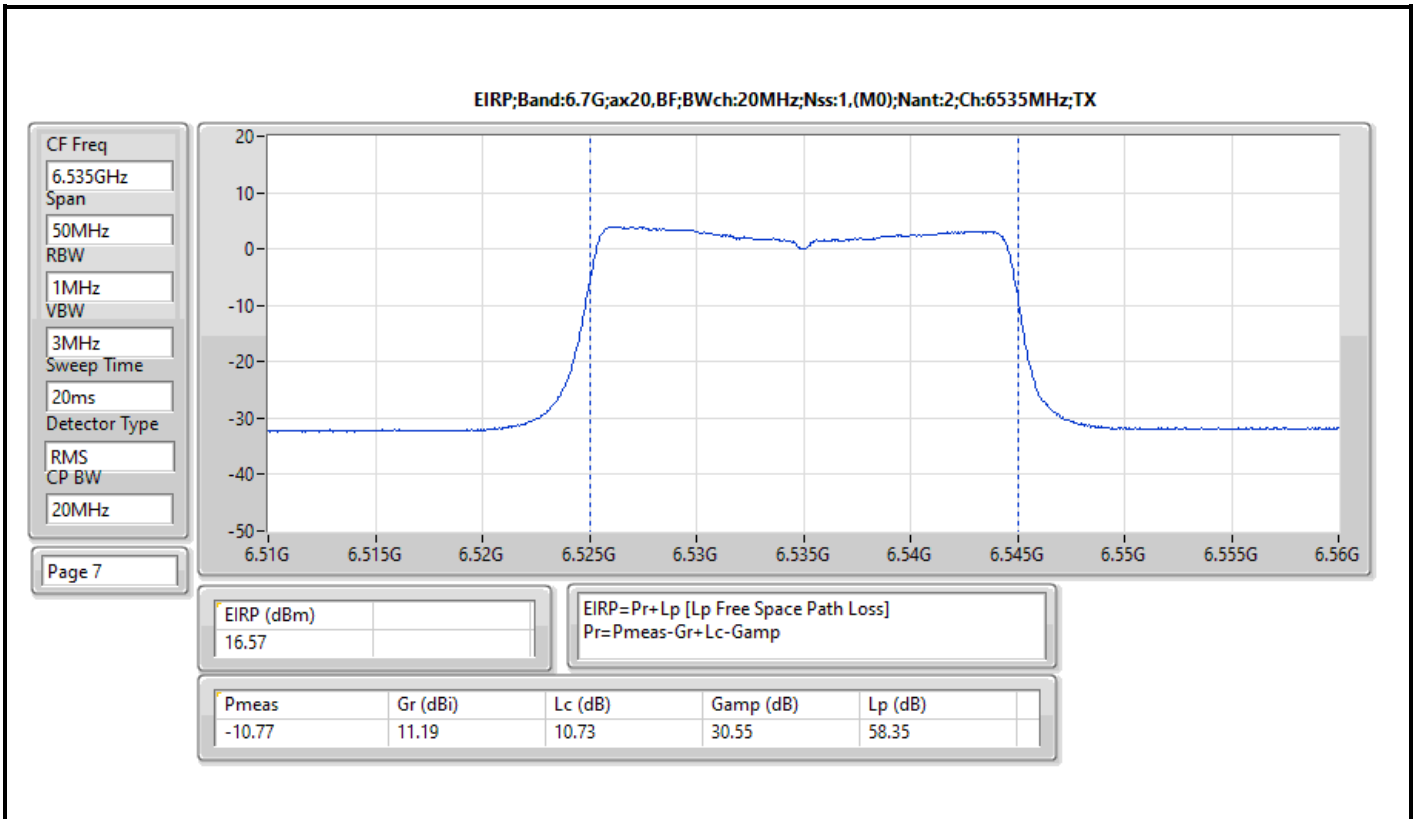
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	15.96	30.00
6175MHz	Pass	15.52	30.00
6415MHz	Pass	16.79	30.00
6435MHz	Pass	15.99	30.00
6475MHz	Pass	16.23	30.00
6515MHz	Pass	15.25	30.00
6535MHz	Pass	16.57	30.00
6695MHz	Pass	17.14	30.00
6855MHz	Pass	15.84	30.00
6875MHz	Pass	13.71	30.00
6895MHz	Pass	14.55	30.00
6995MHz	Pass	14.84	30.00
7095MHz	Pass	16.00	30.00
7115MHz	Pass	14.19	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	18.15	30.00
6165MHz	Pass	18.88	30.00
6405MHz	Pass	19.80	30.00
6445MHz	Pass	18.27	30.00
6485MHz	Pass	17.05	30.00
6525MHz	Pass	17.88	30.00
6565MHz	Pass	19.65	30.00
6685MHz	Pass	18.66	30.00
6845MHz	Pass	16.10	30.00
6885MHz	Pass	17.65	30.00
6925MHz	Pass	19.48	30.00
7005MHz	Pass	20.56	30.00
7085MHz	Pass	17.51	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	20.49	30.00
6145MHz	Pass	19.22	30.00
6385MHz	Pass	20.47	30.00
6465MHz	Pass	18.19	30.00
6545MHz	Pass	21.00	30.00
6625MHz	Pass	21.07	30.00
6705MHz	Pass	21.54	30.00
6785MHz	Pass	20.83	30.00
6865MHz	Pass	22.10	30.00
6945MHz	Pass	21.66	30.00
7025MHz	Pass	23.86	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	23.92	30.00
6185MHz	Pass	21.89	30.00
6345MHz	Pass	22.74	30.00
6505MHz	Pass	24.67	30.00
6665MHz	Pass	23.67	30.00
6825MHz	Pass	21.59	30.00
6985MHz	Pass	22.73	30.00

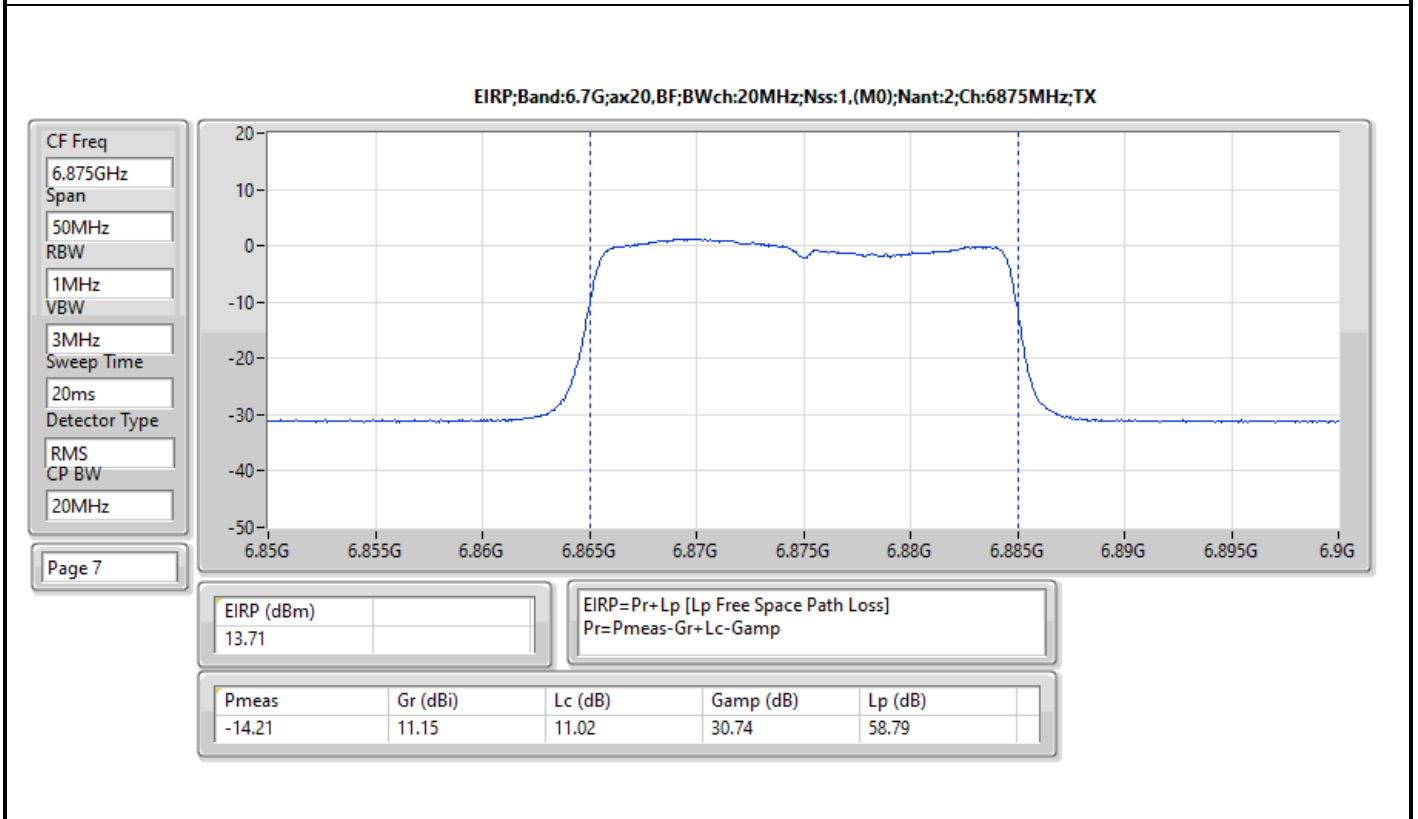
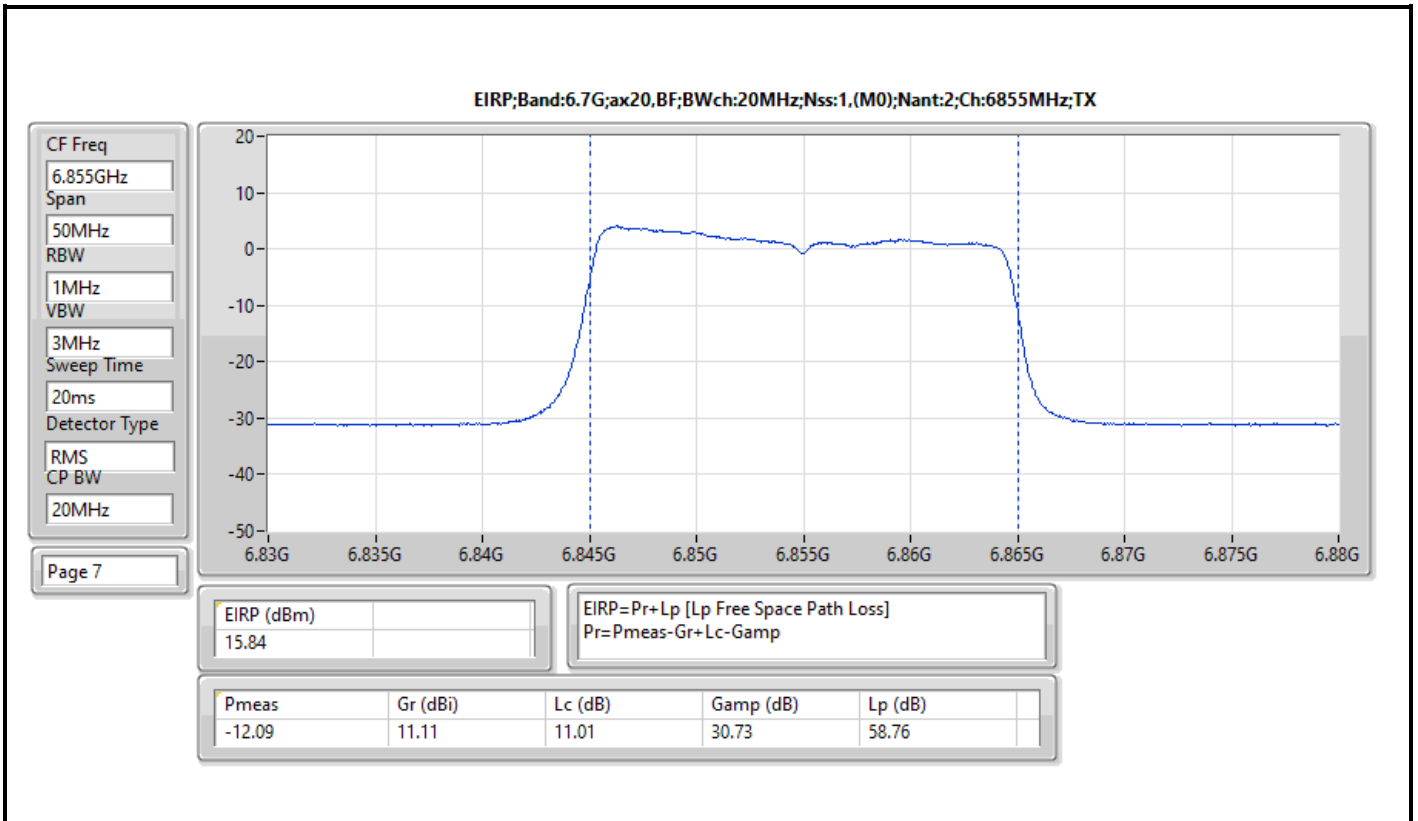
DG = Directional Gain; Port X = Port X output power

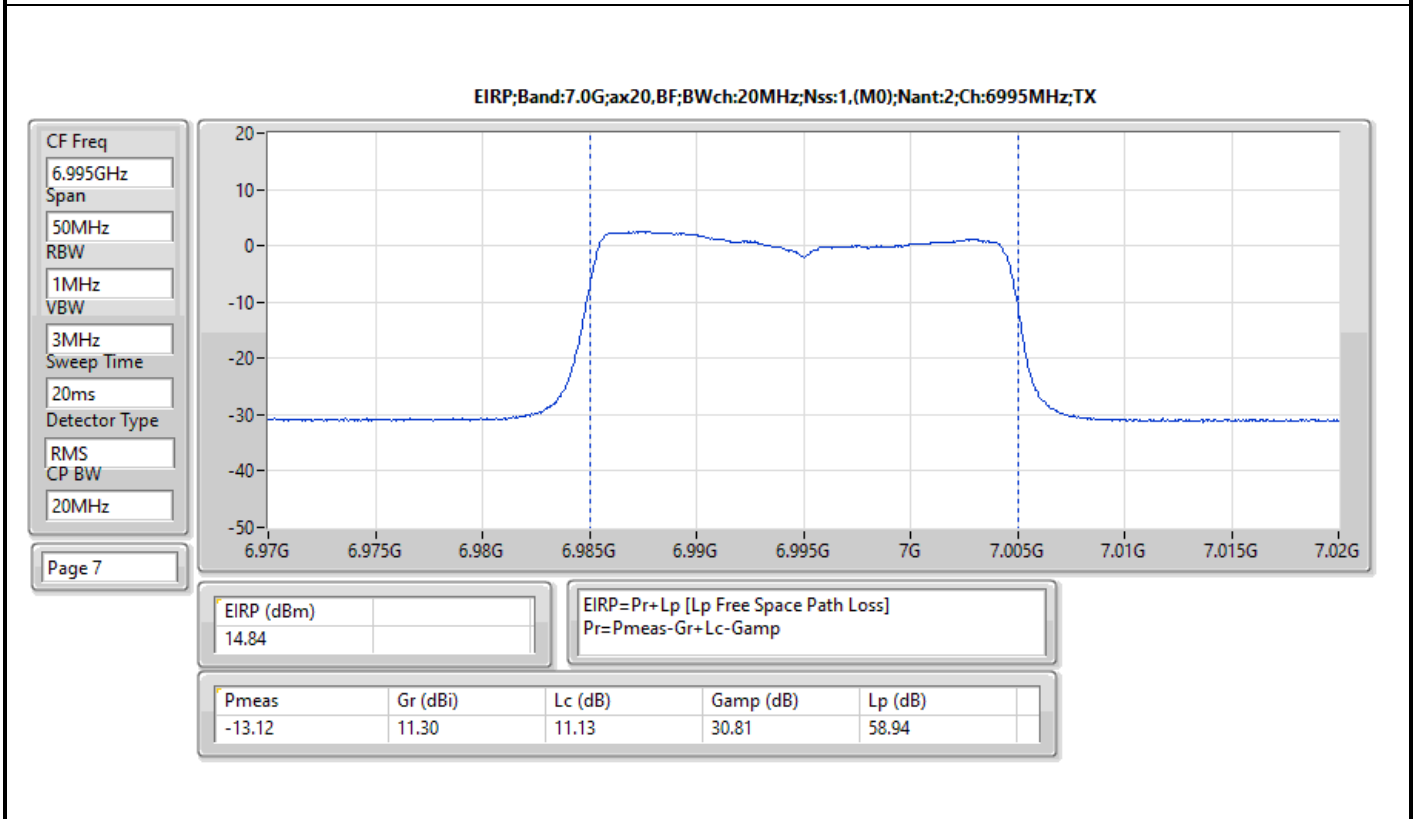
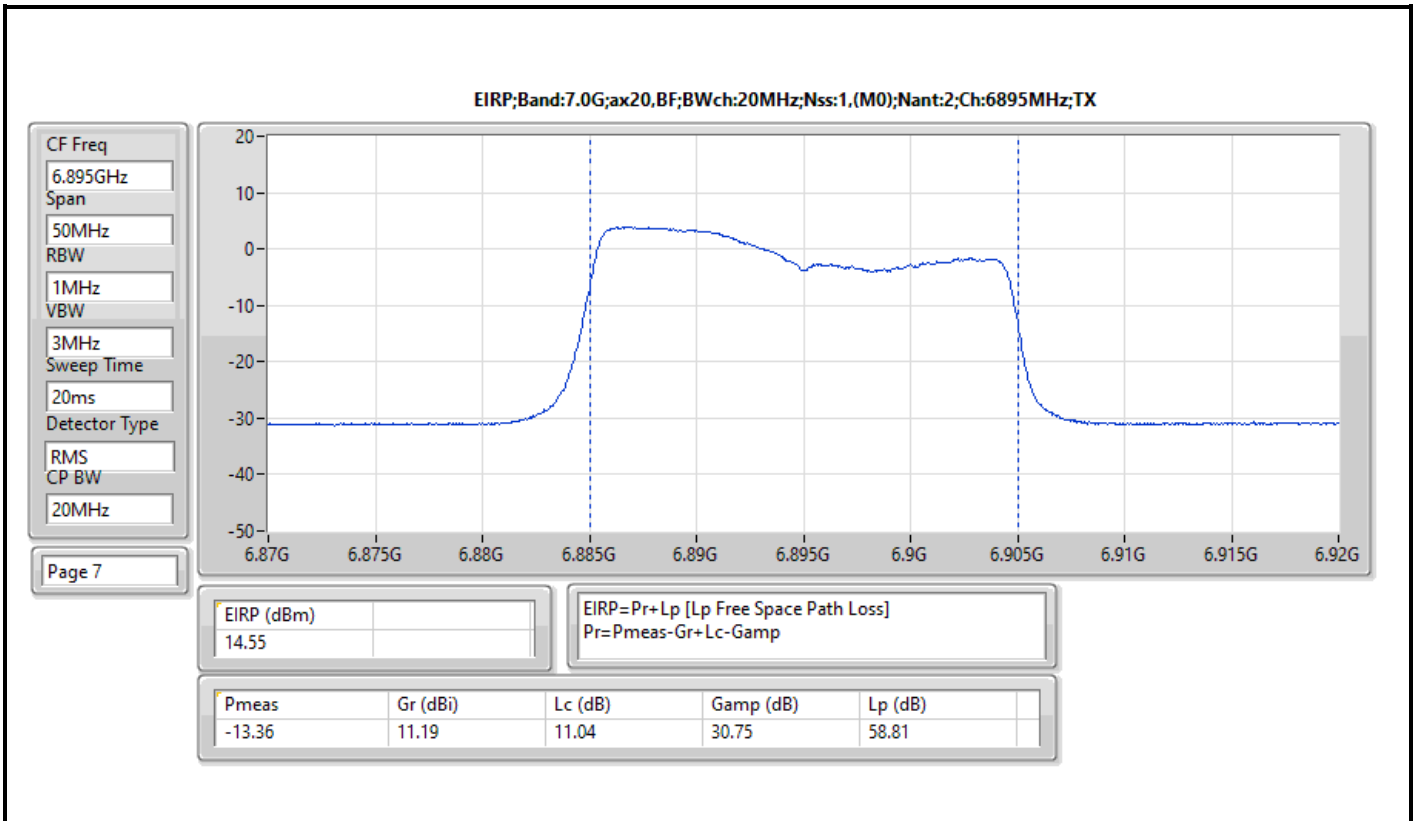


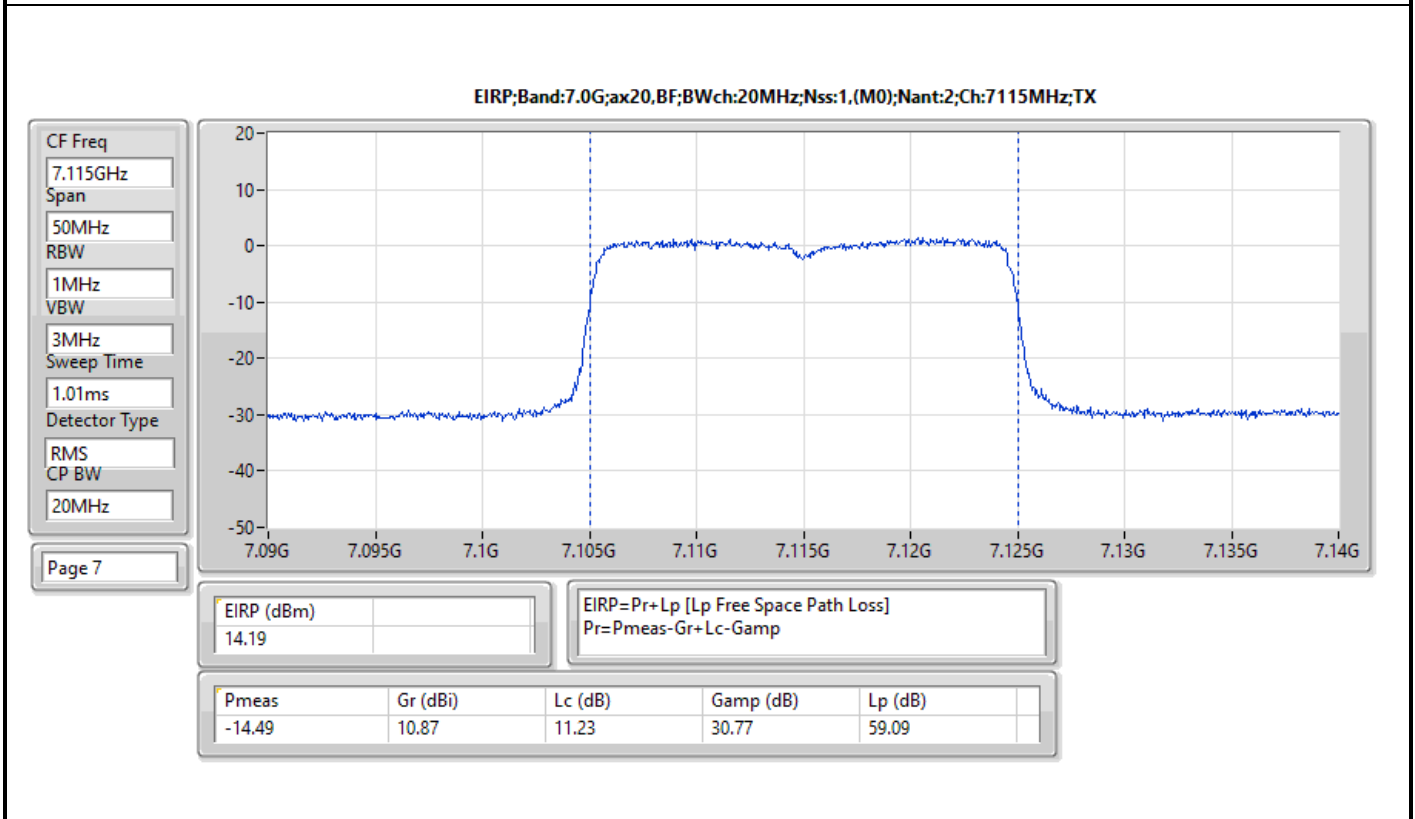
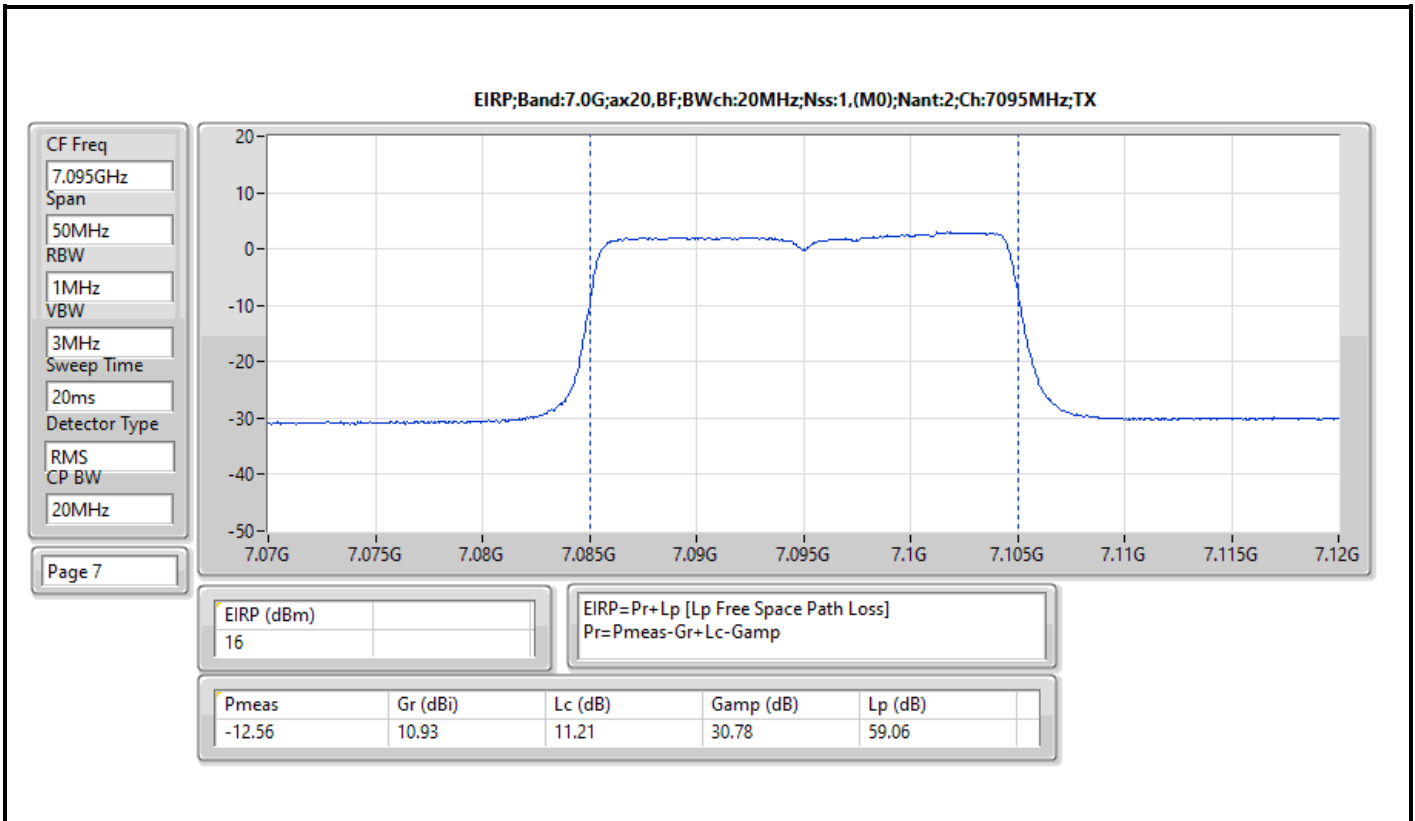


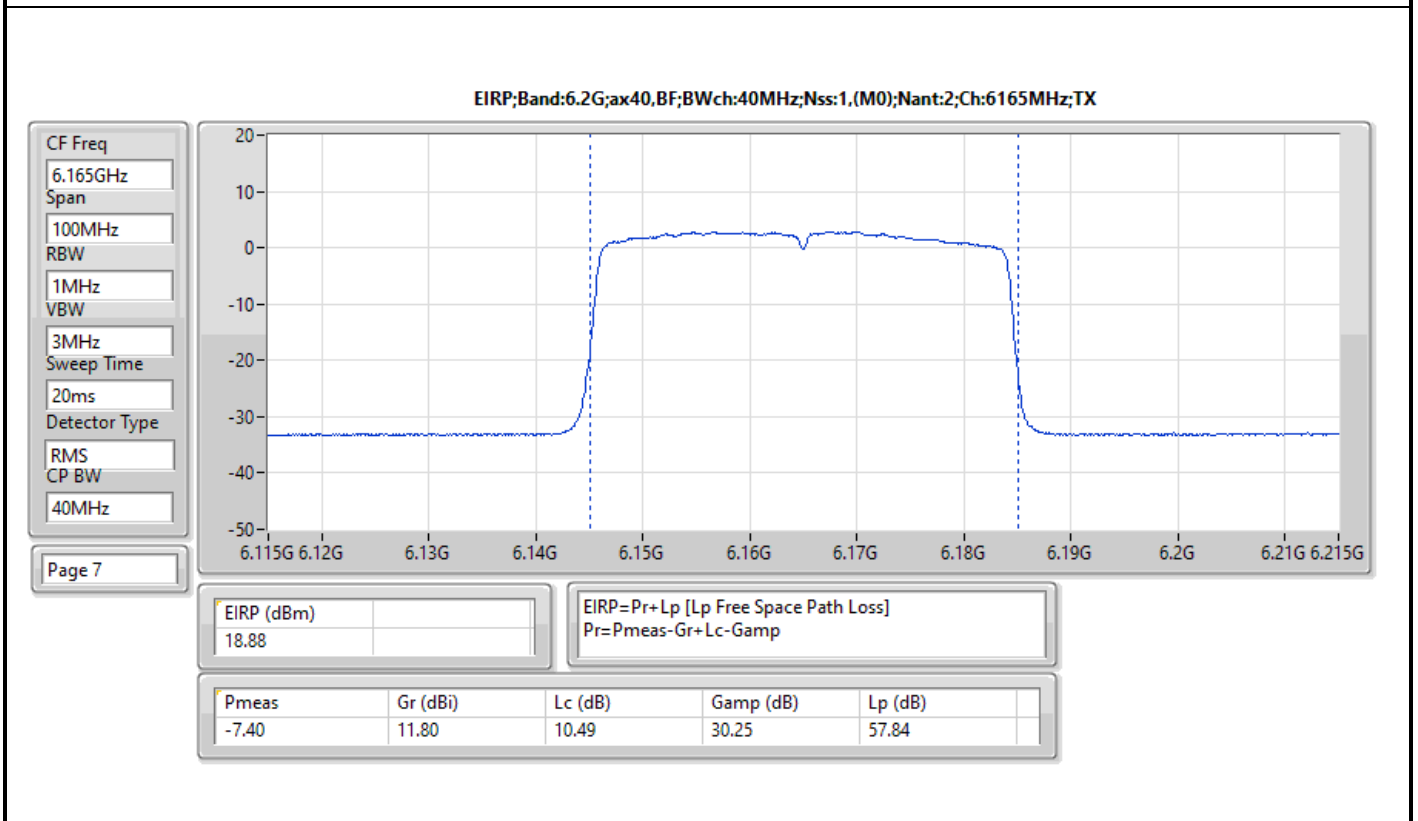
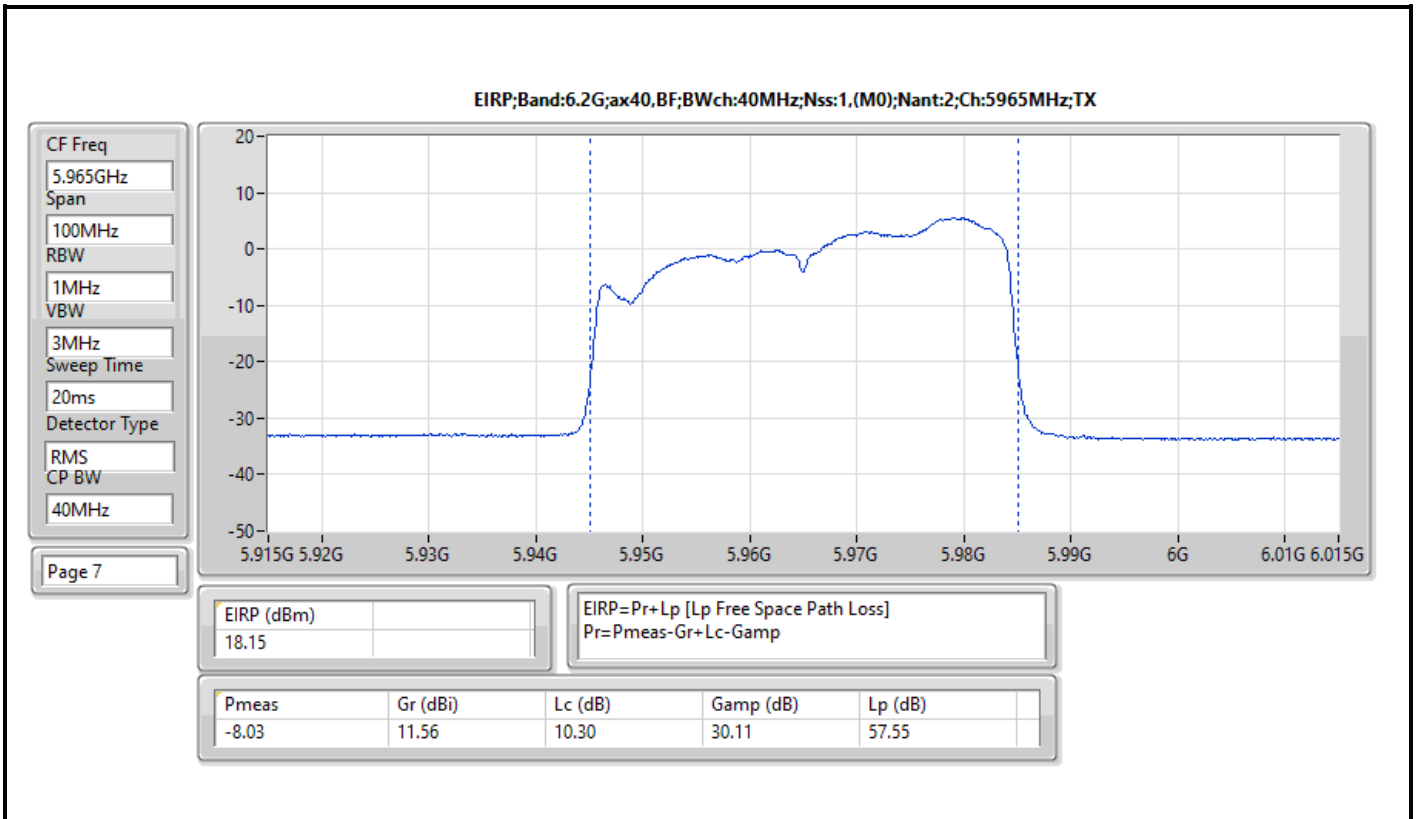


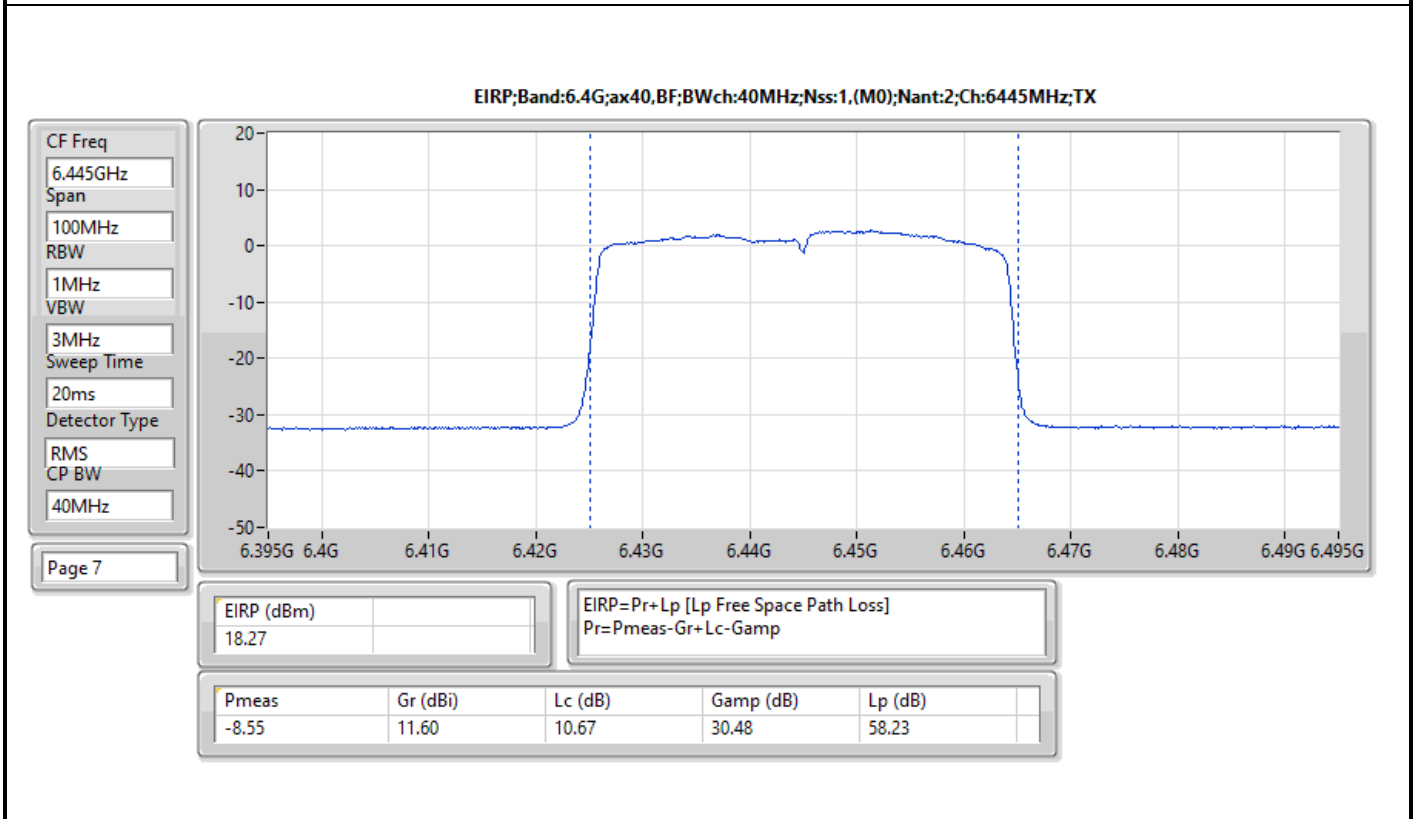
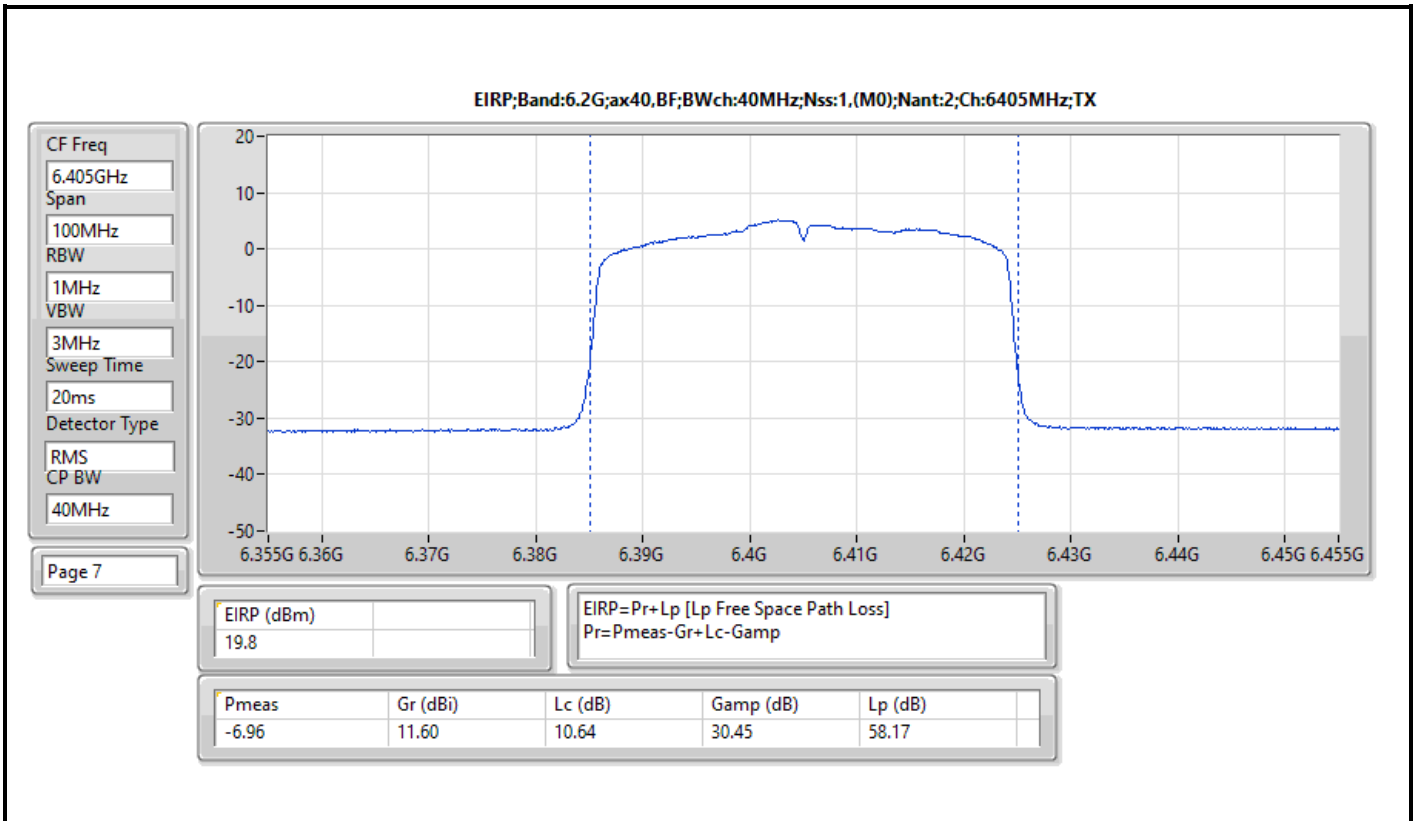


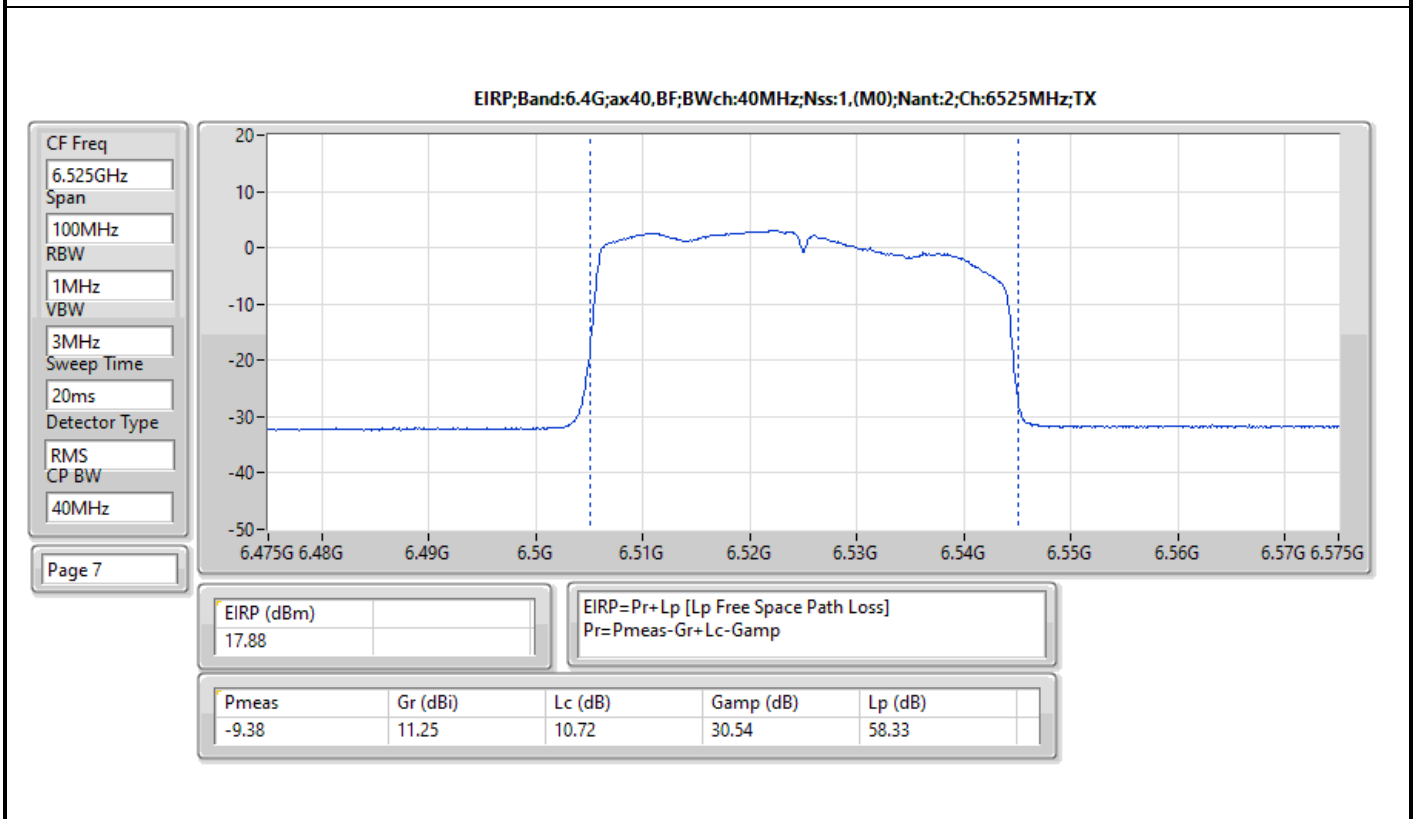
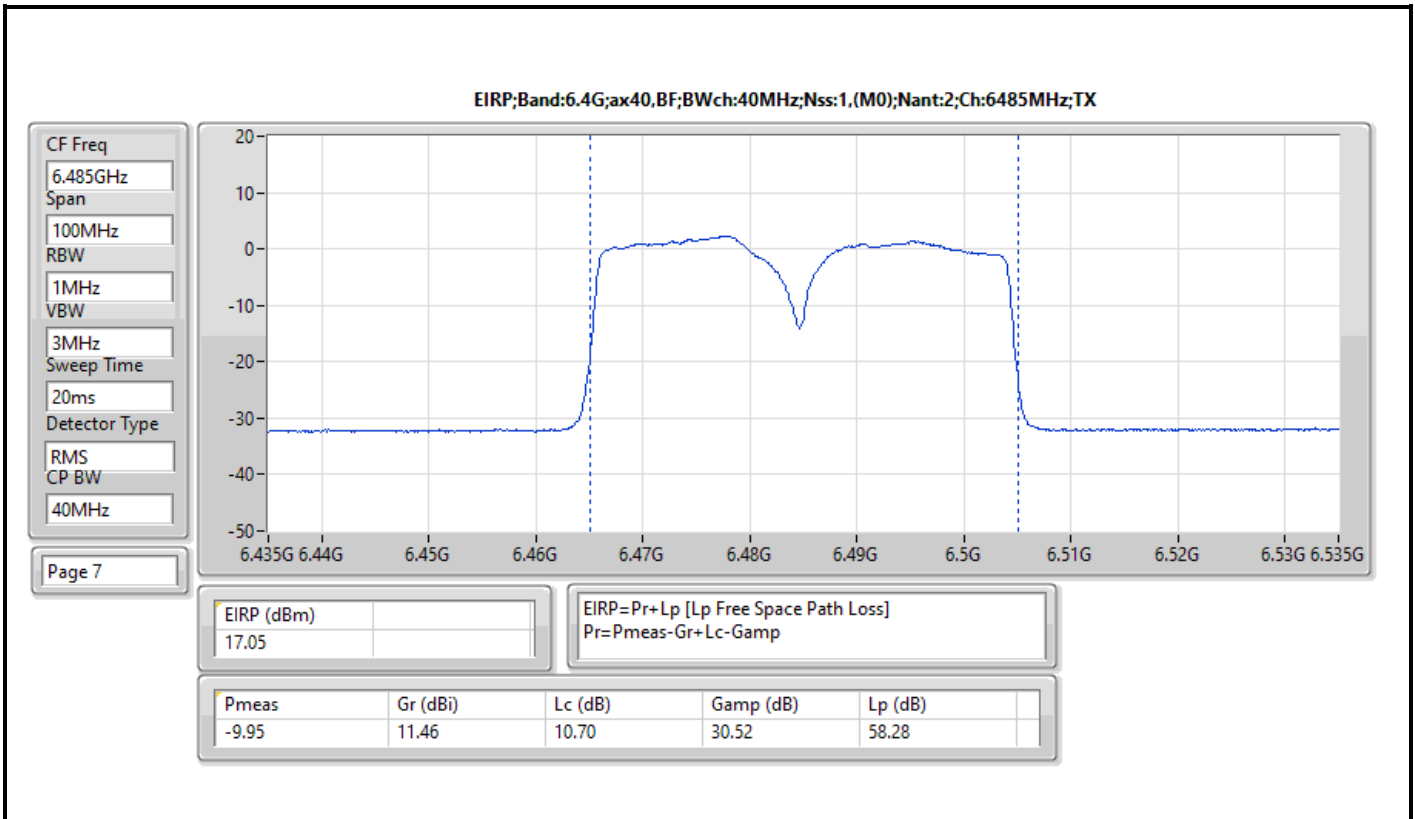


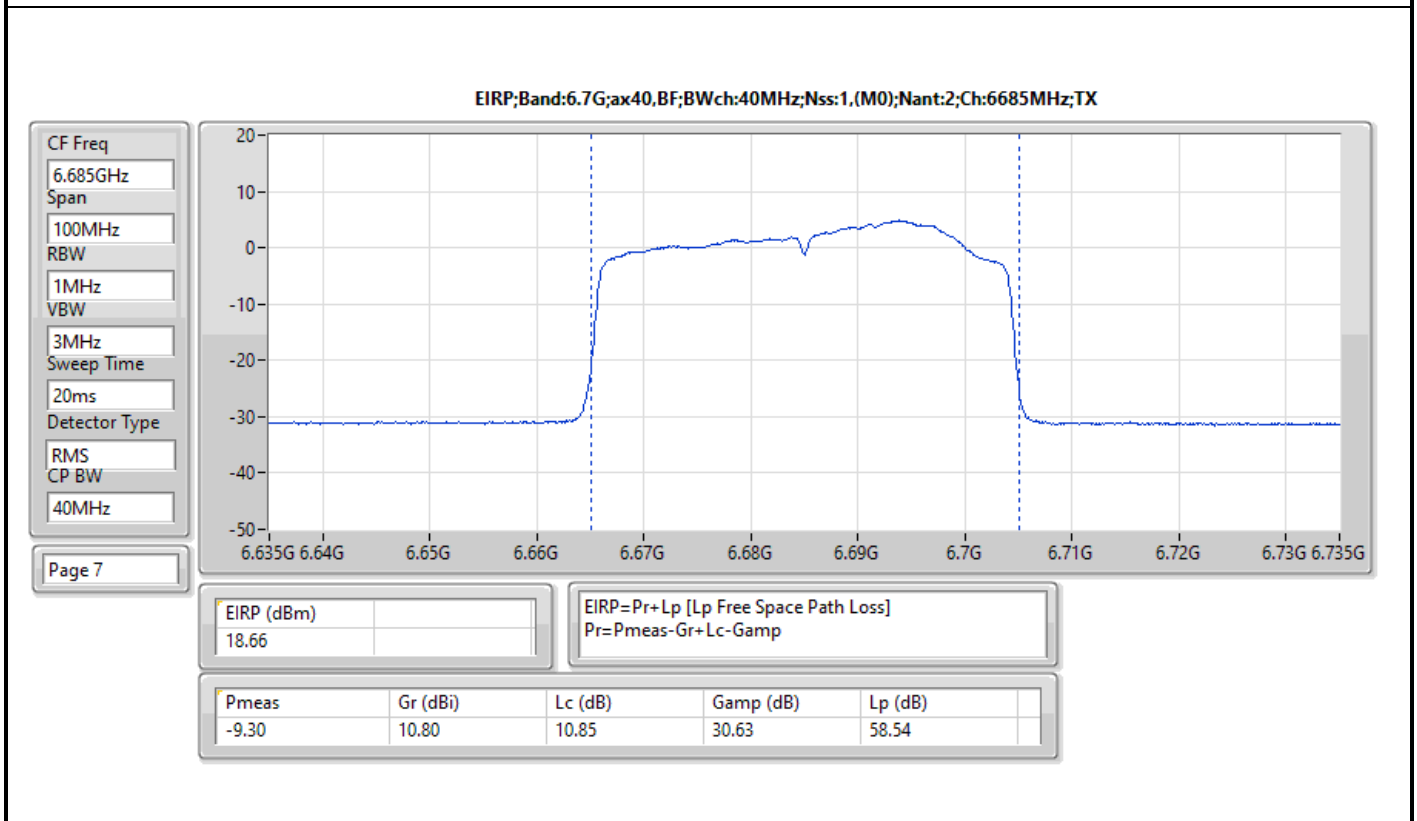
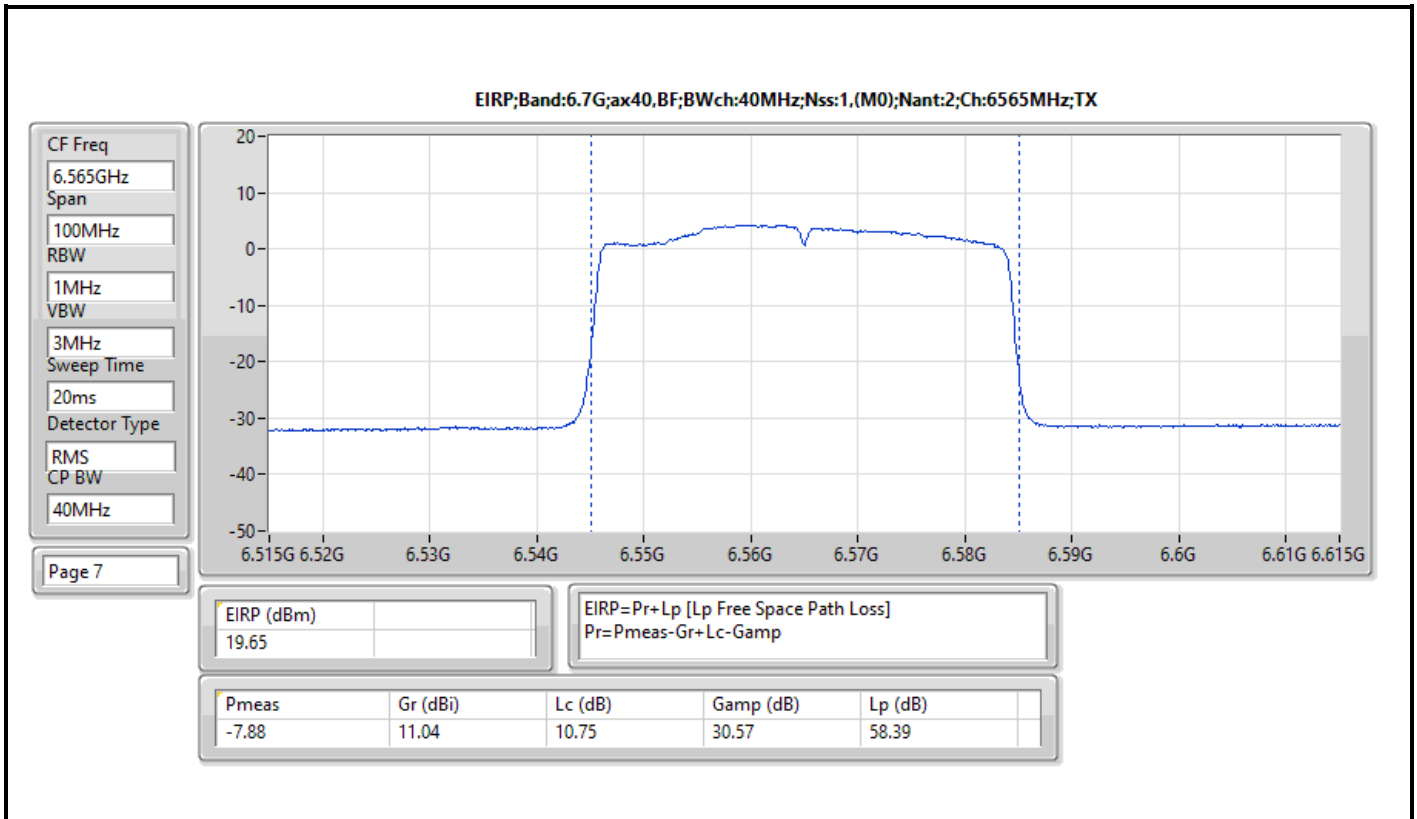


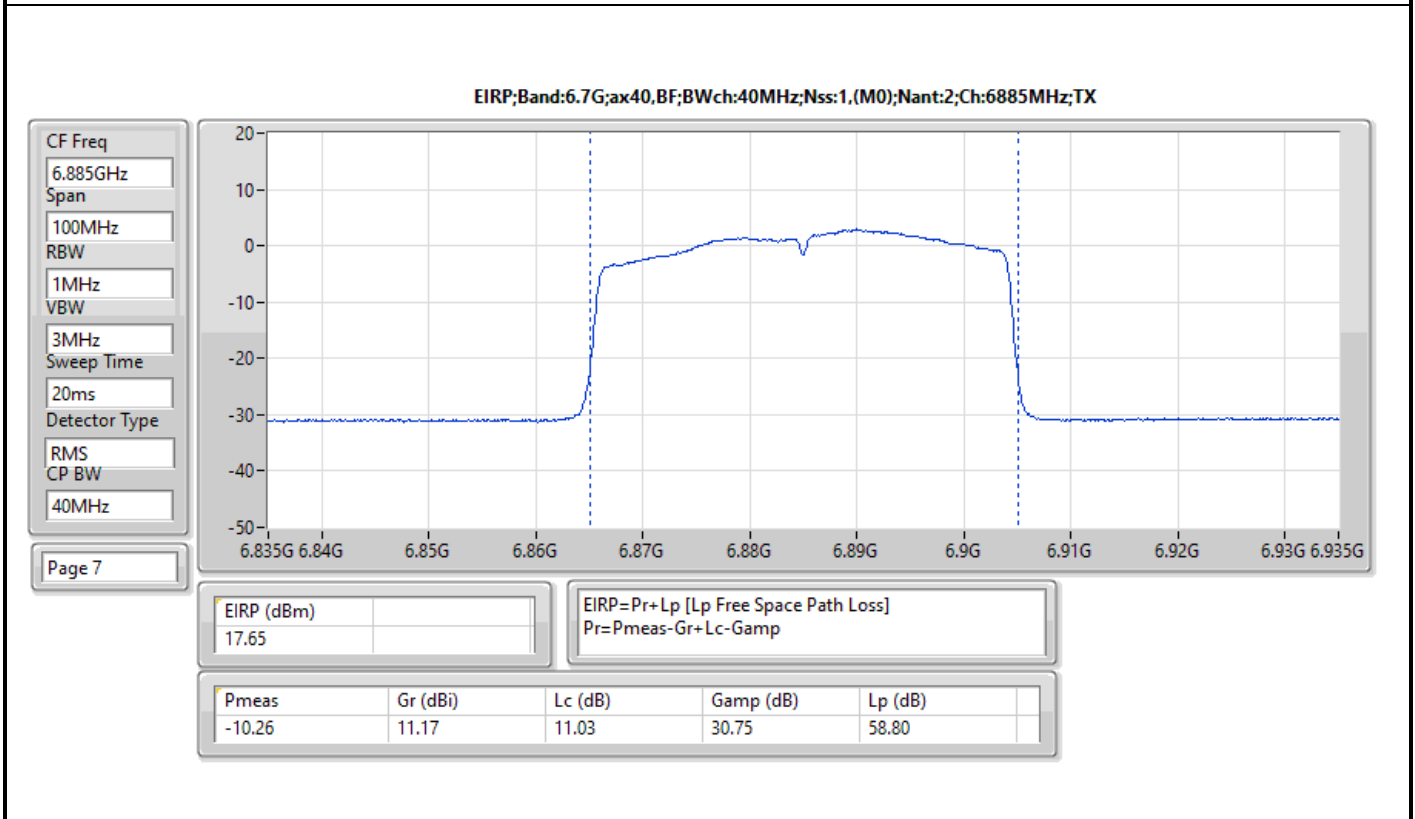
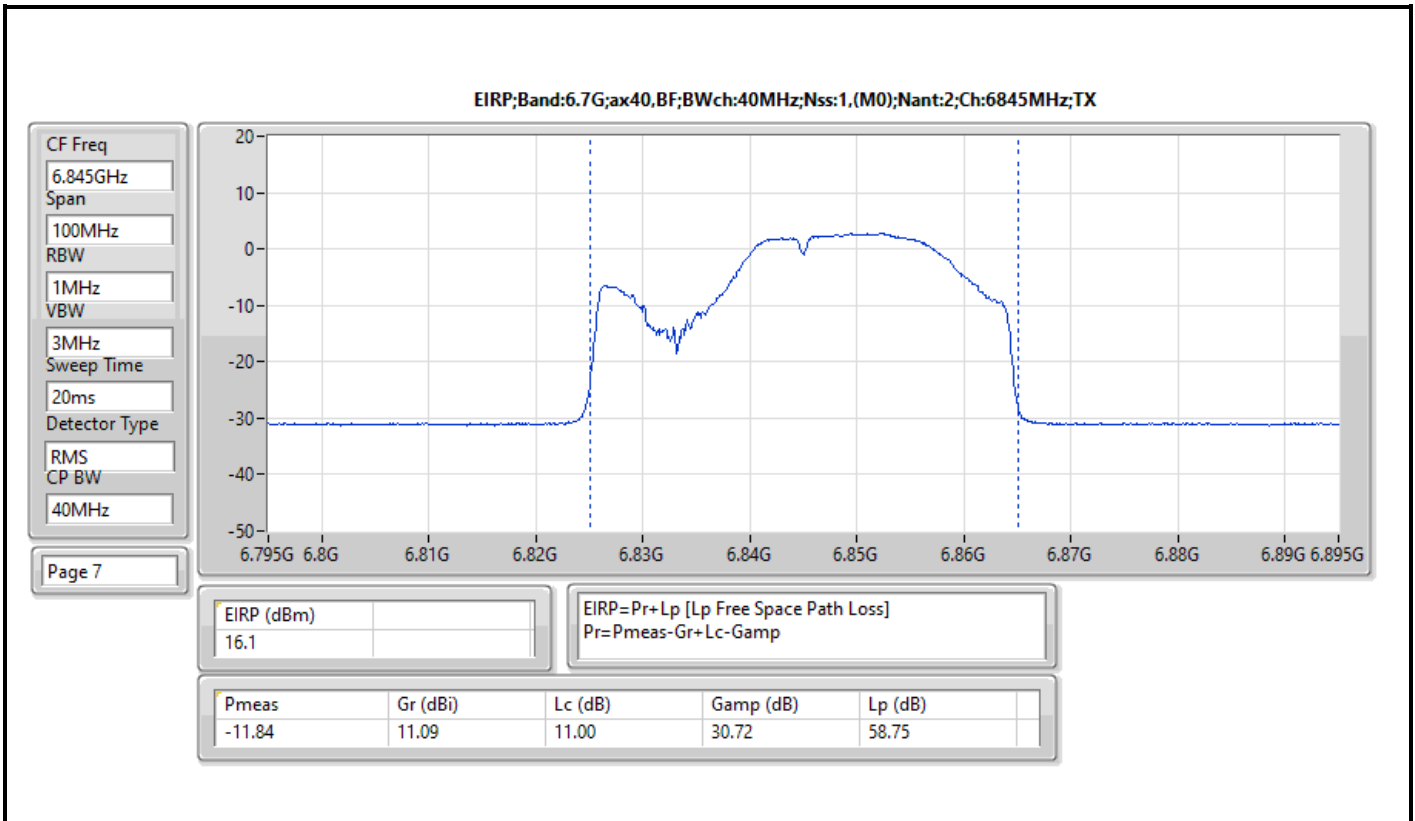


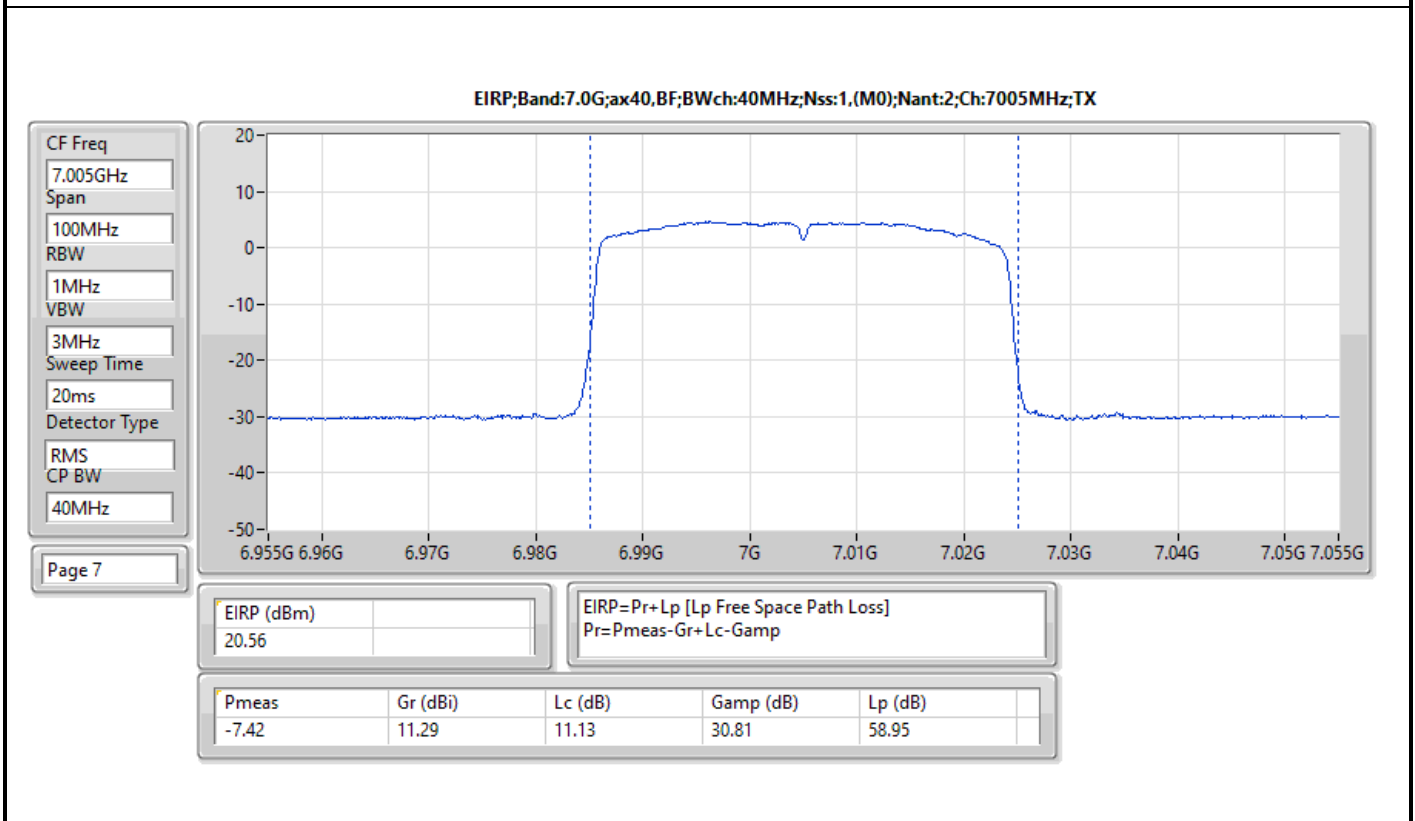
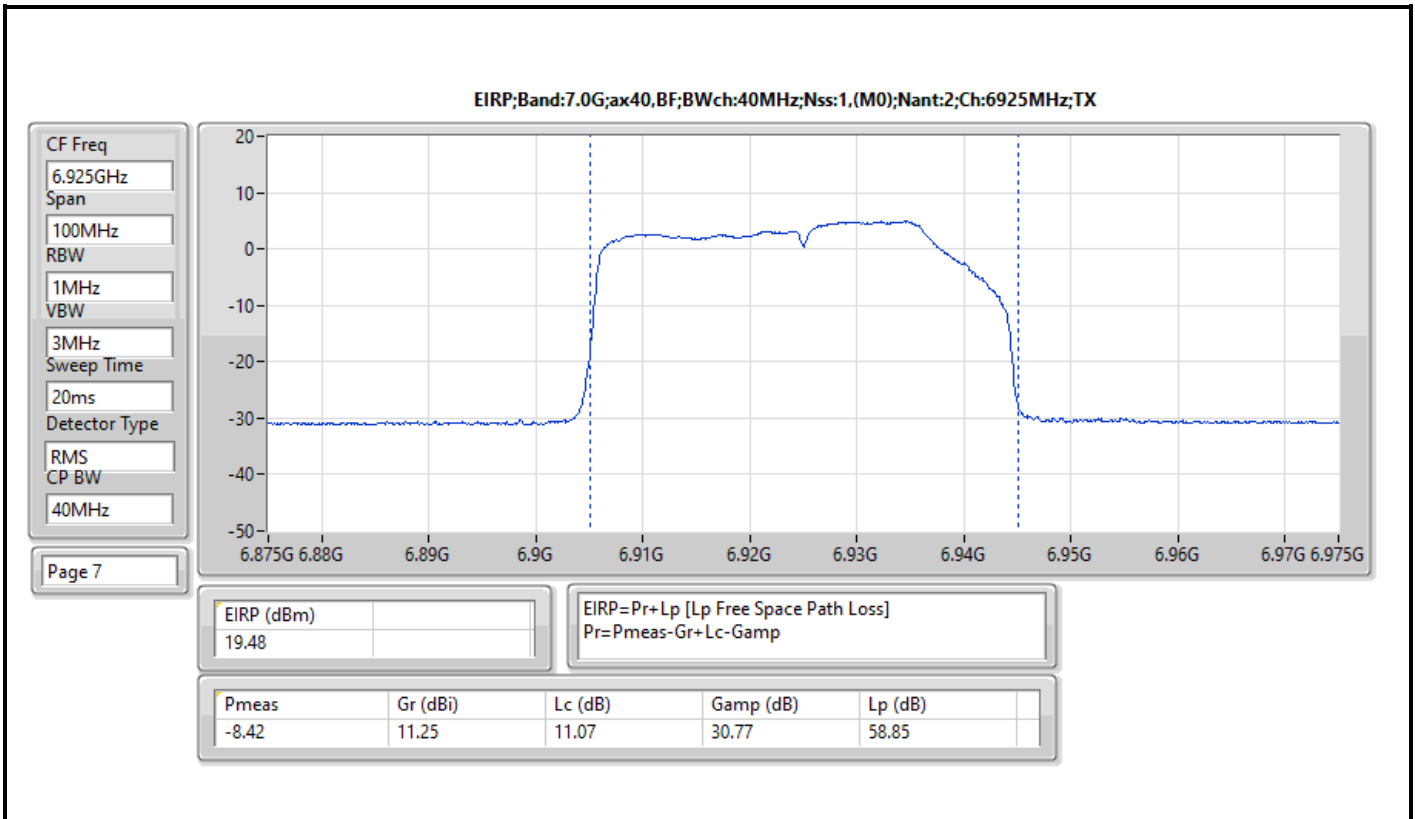


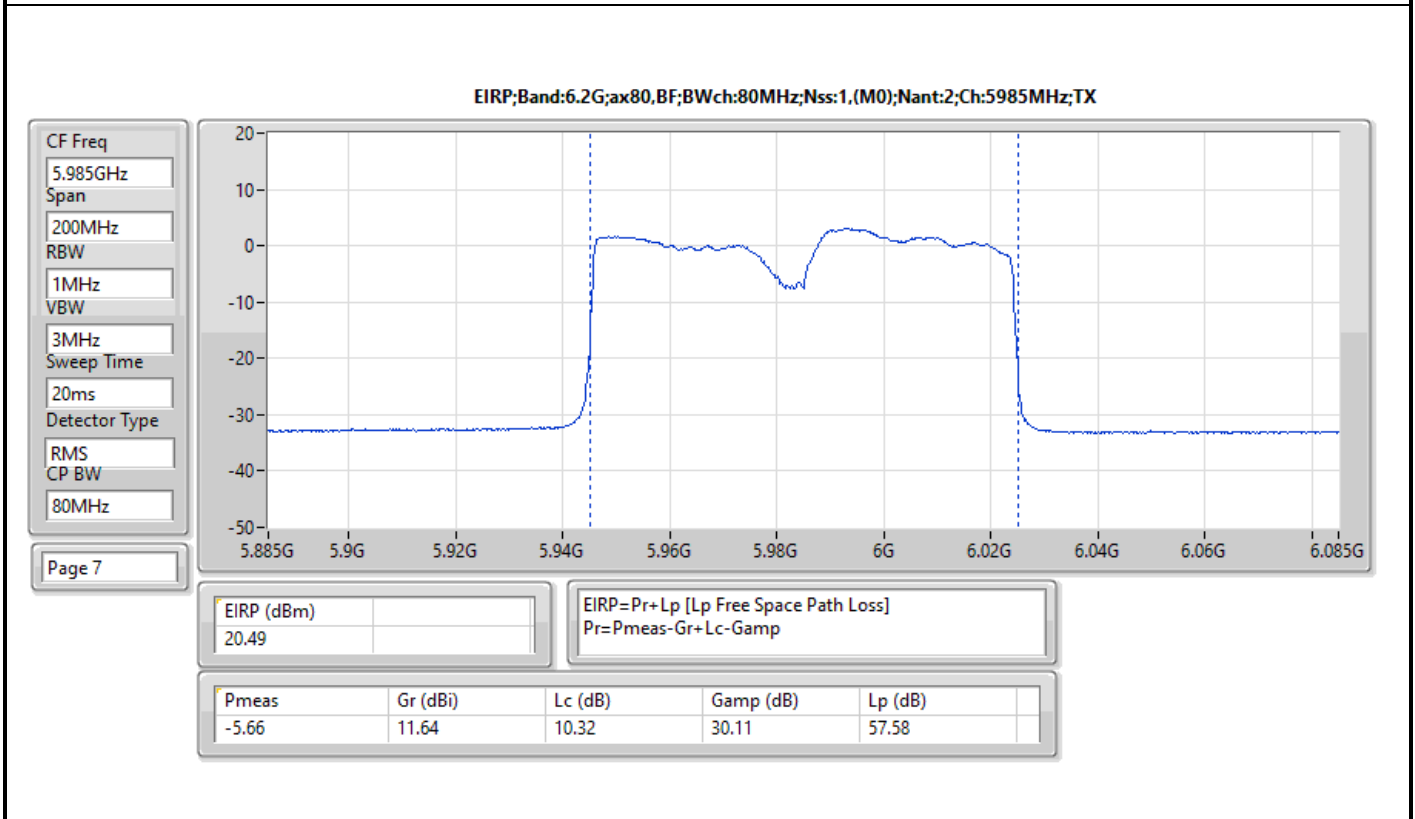
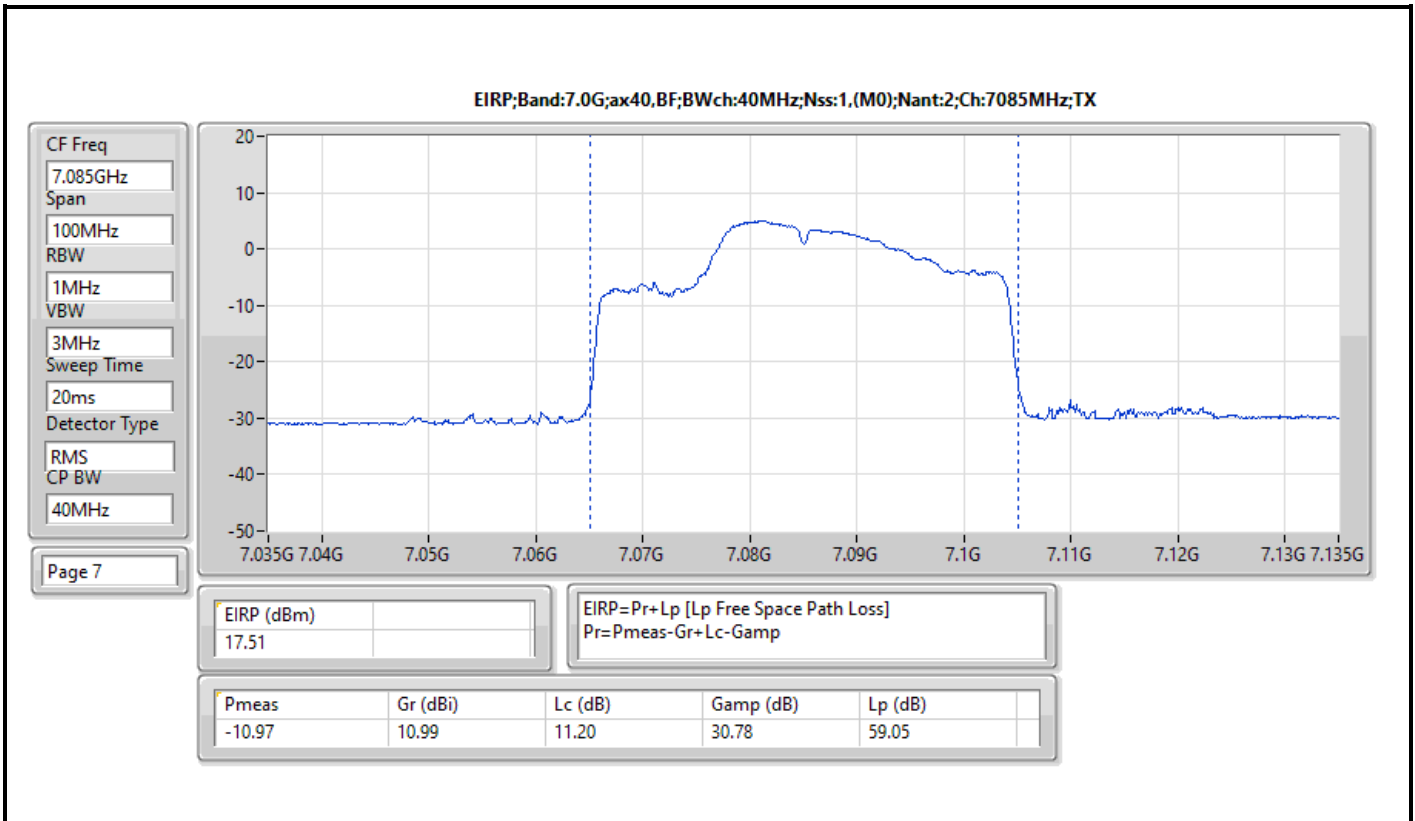


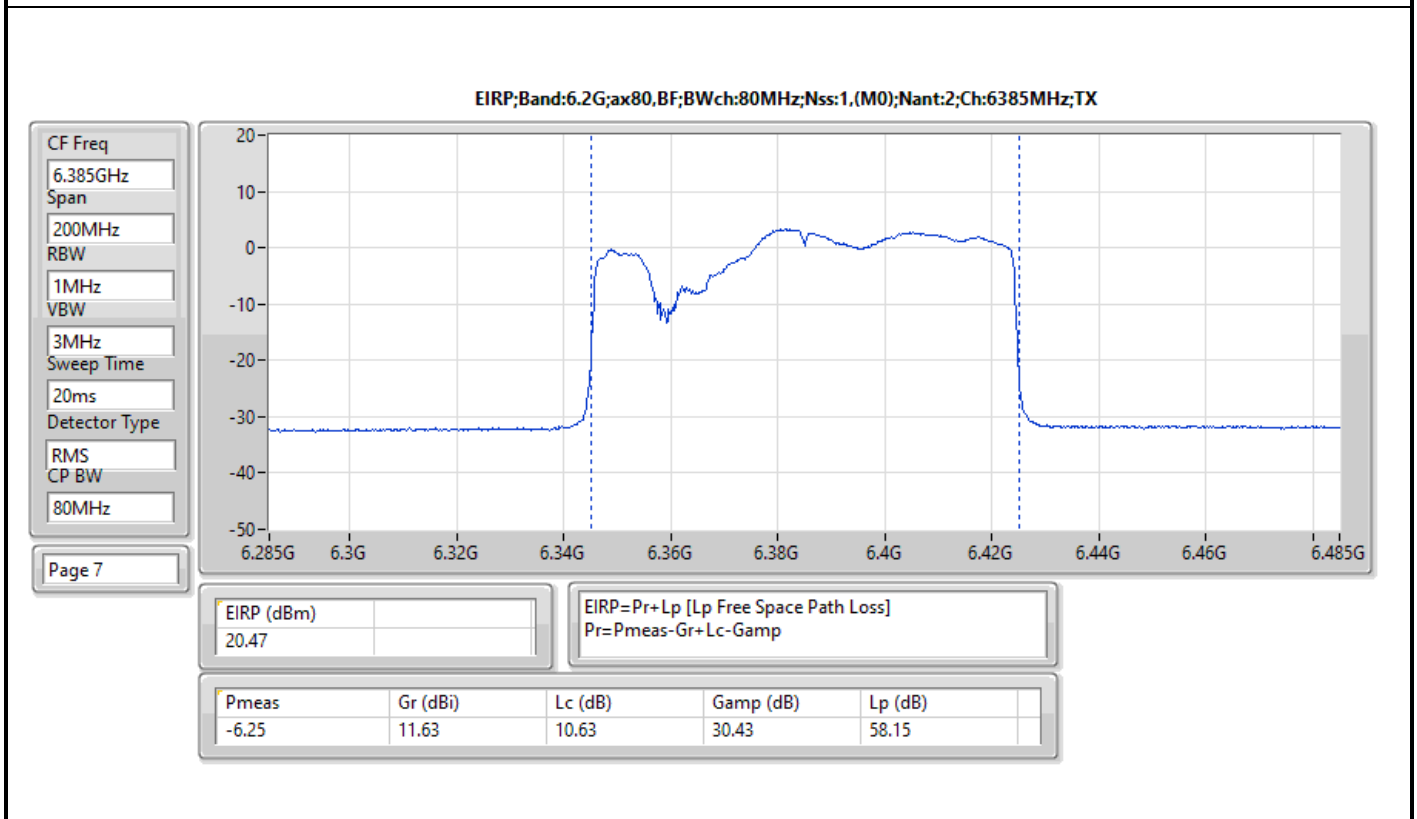
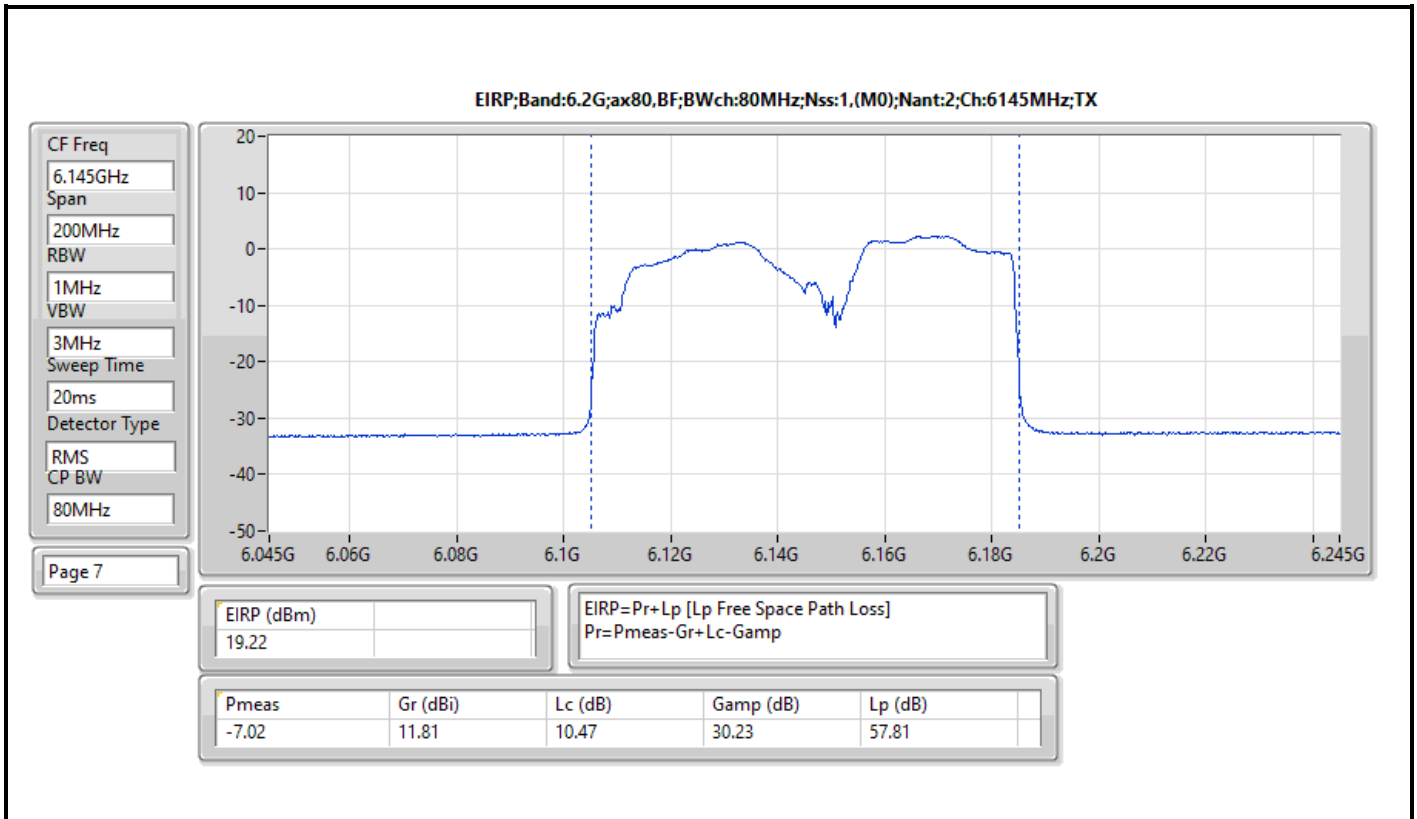


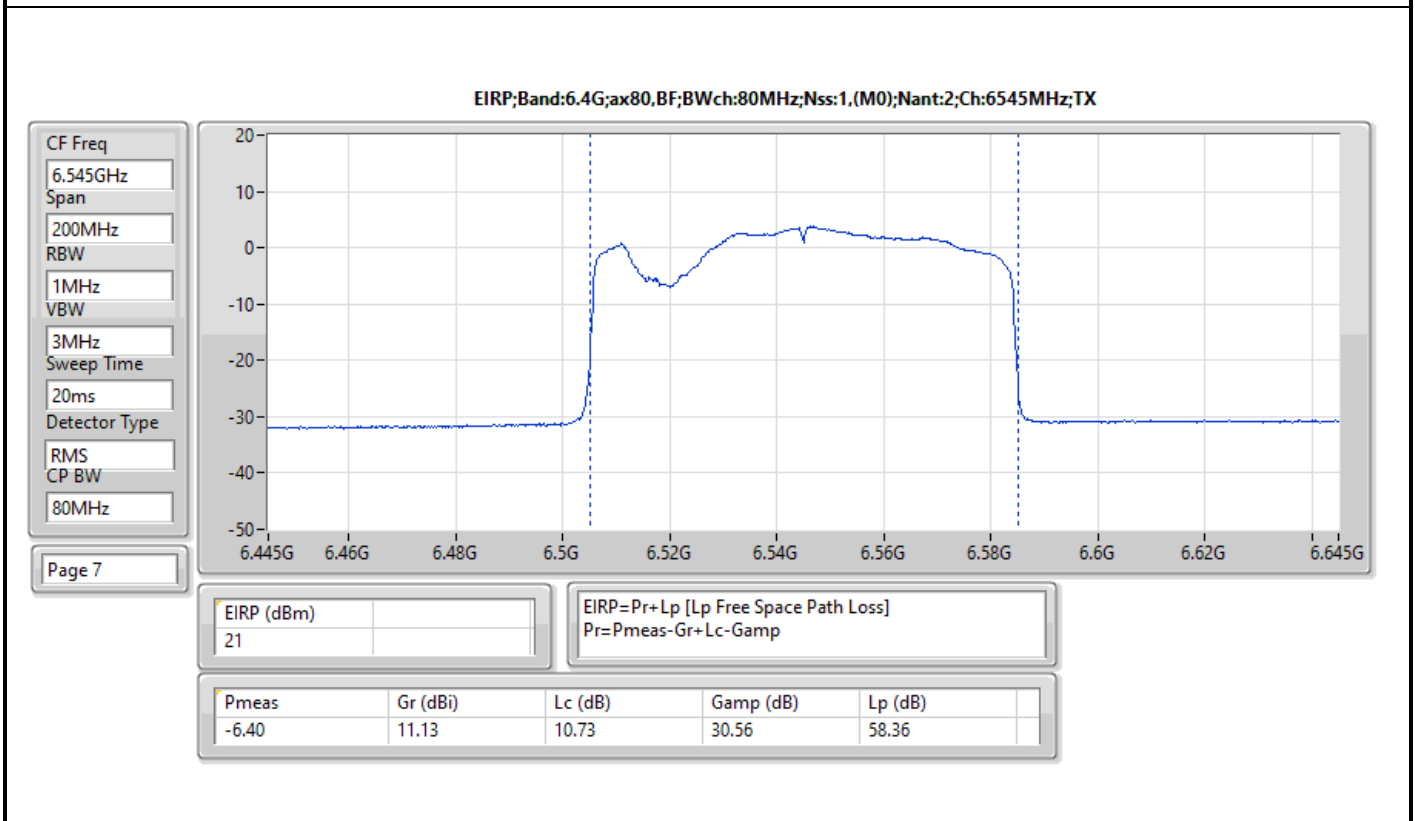
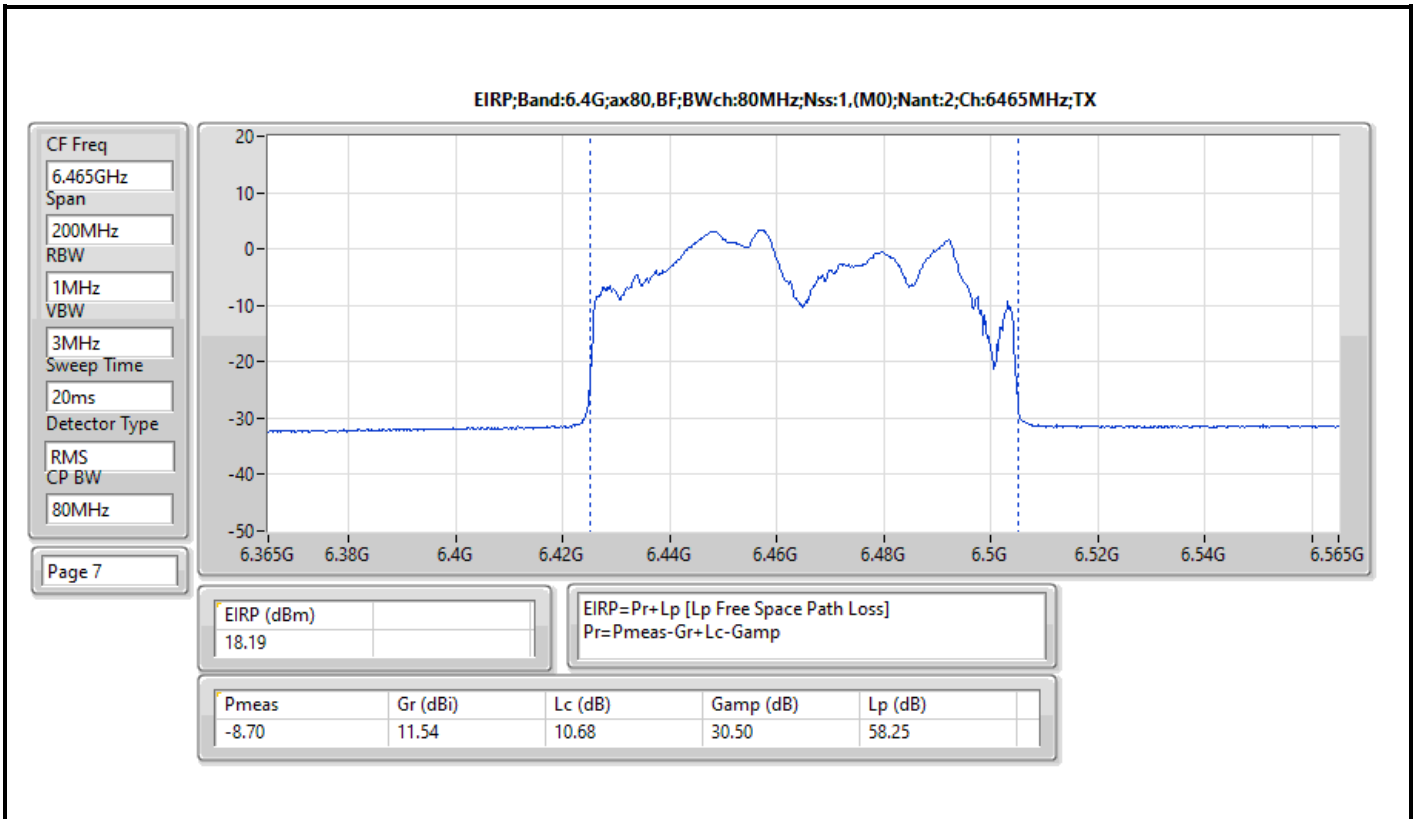


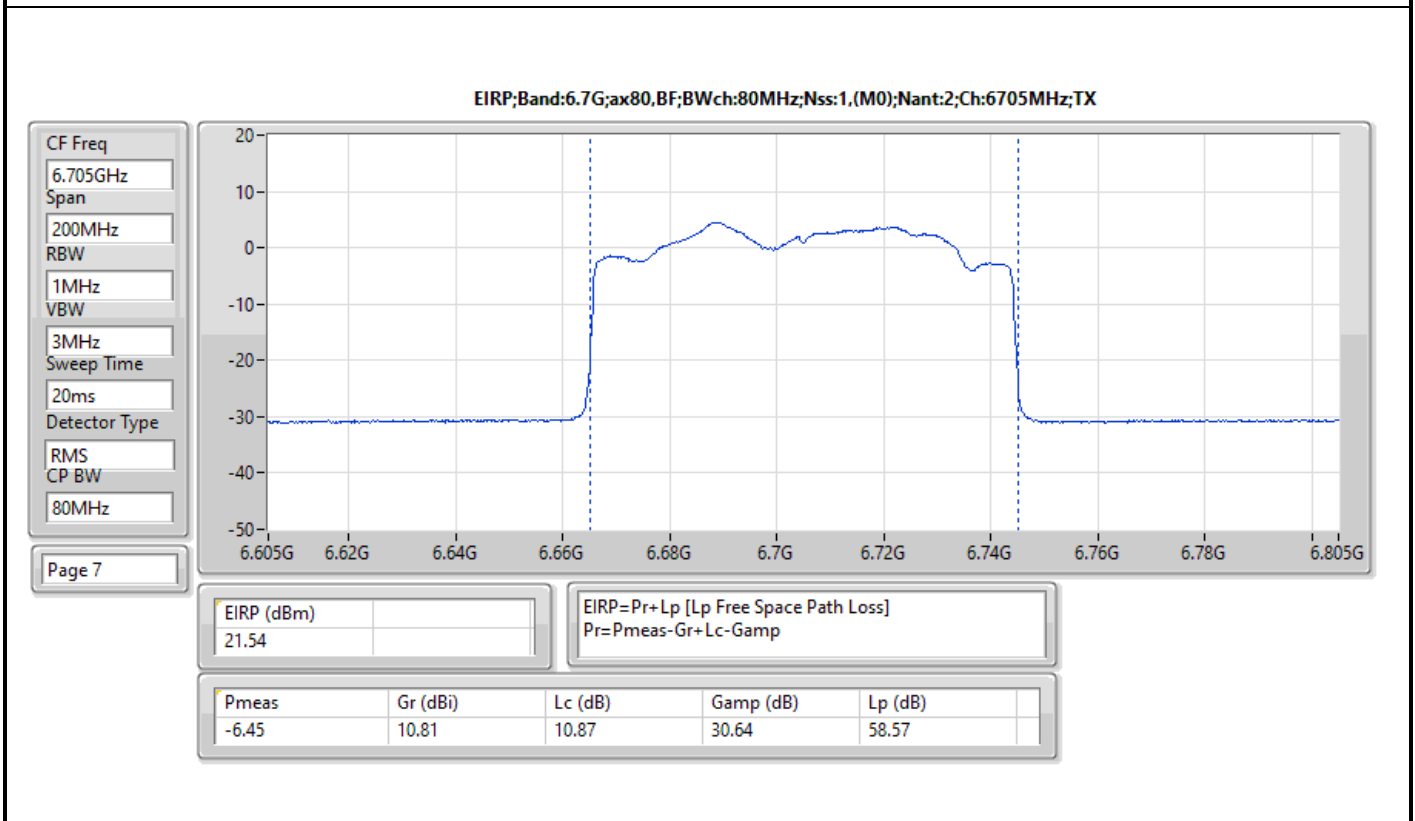
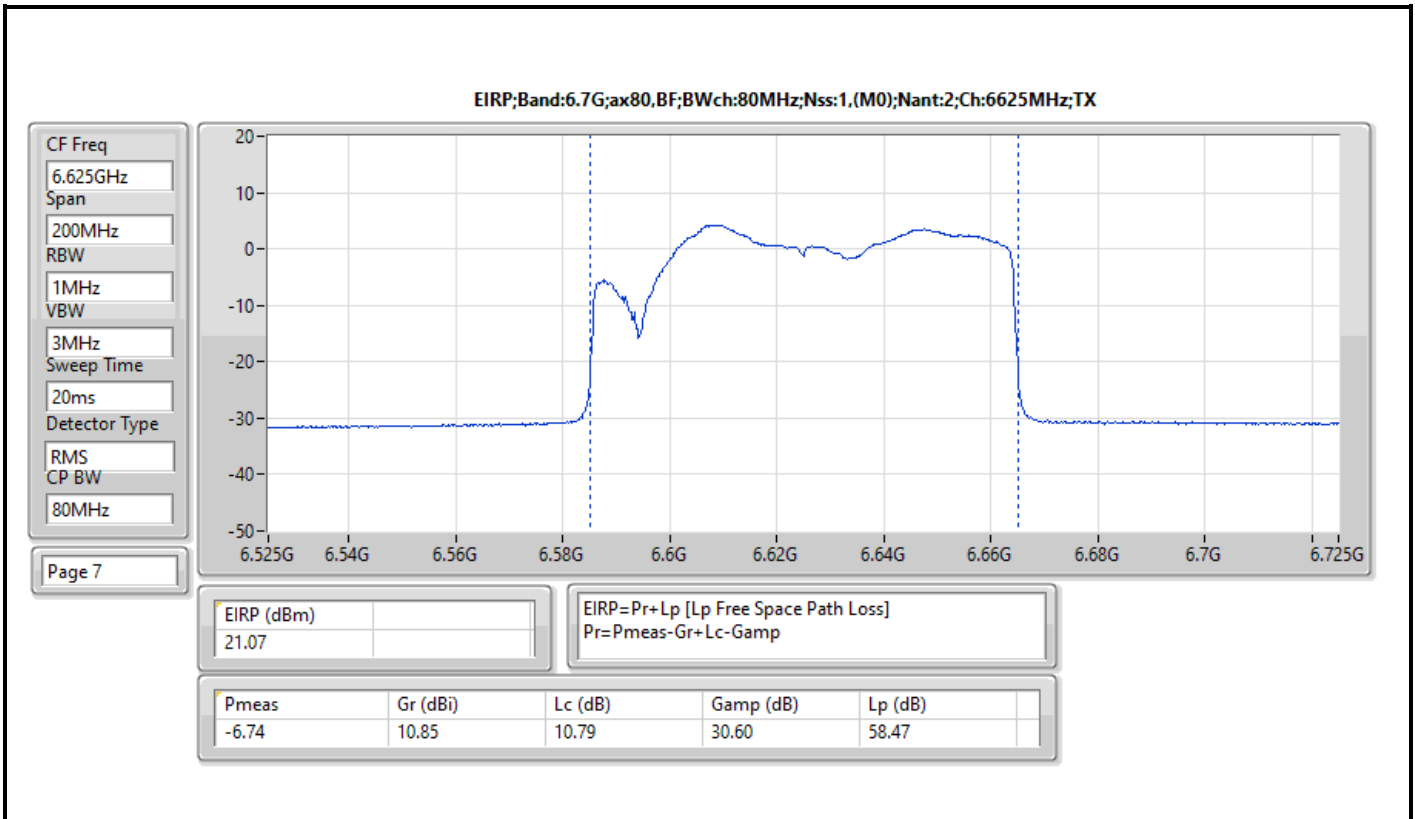


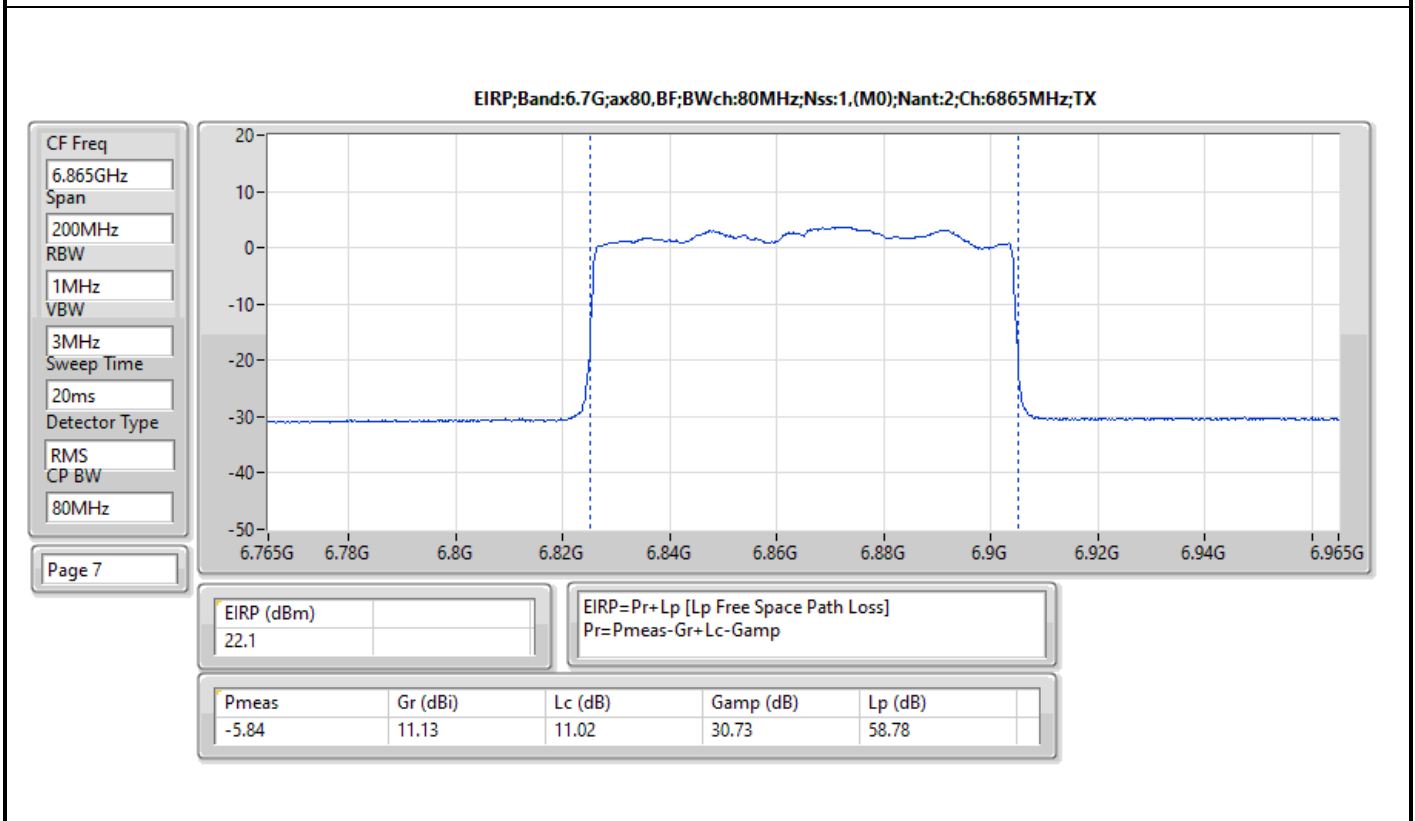
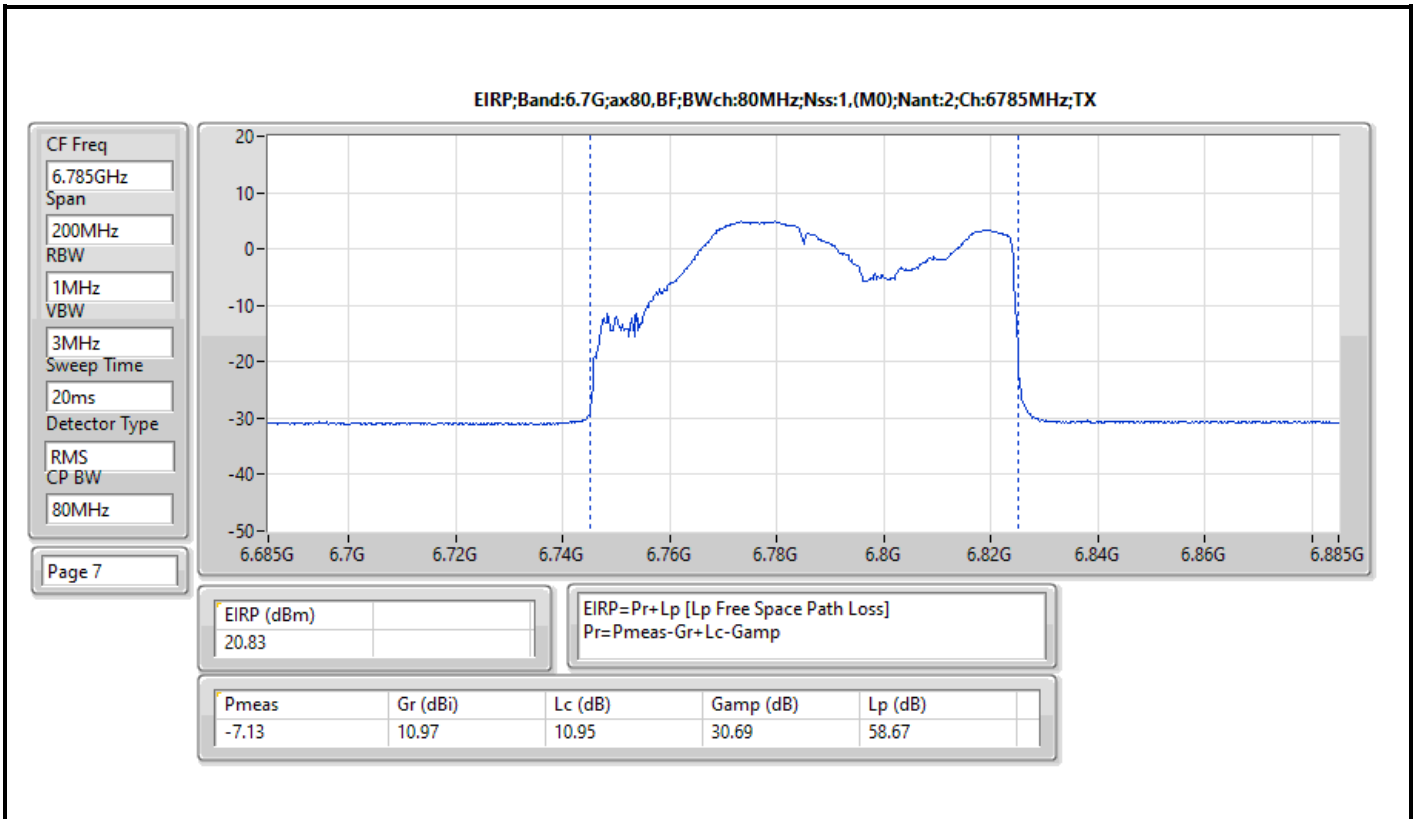


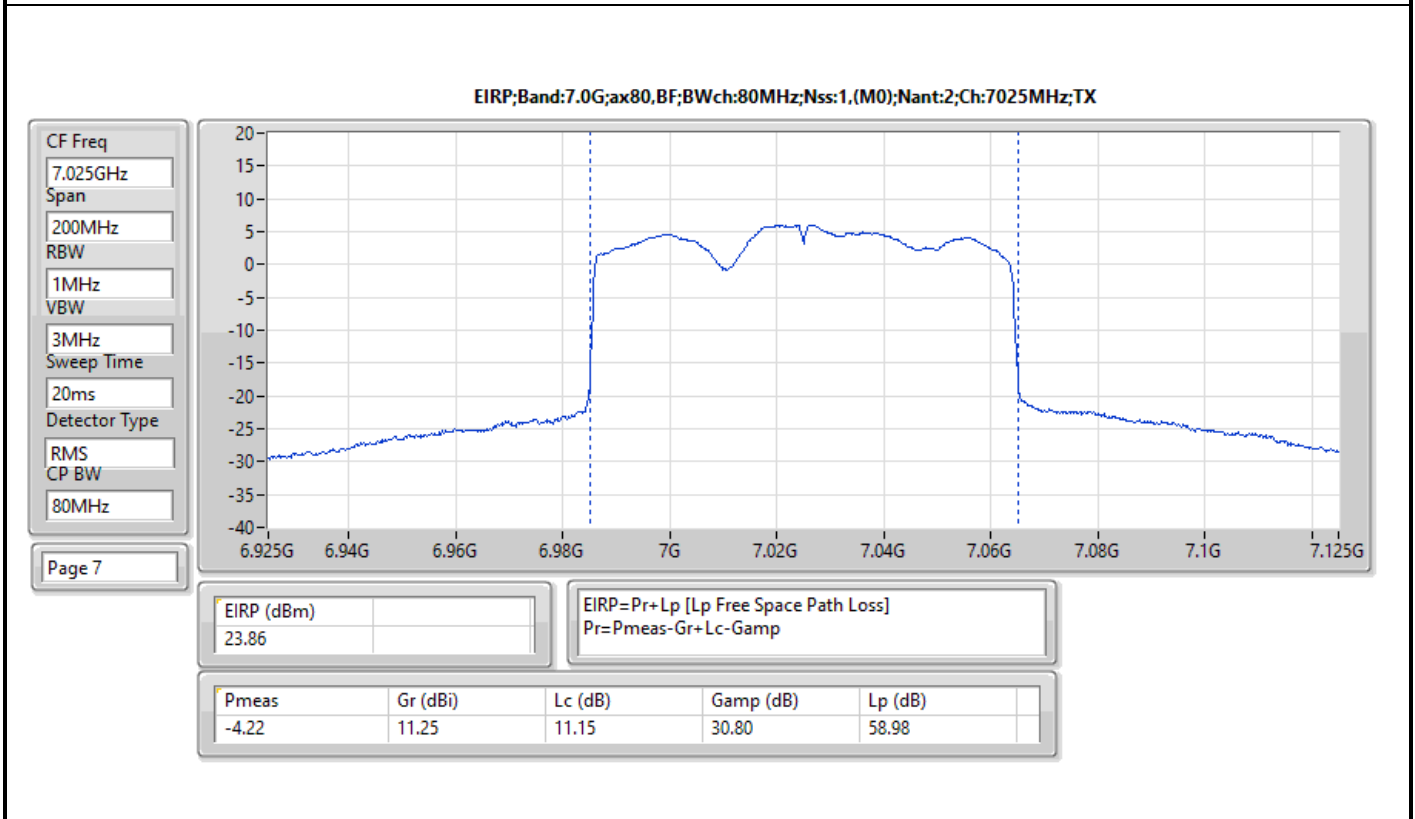
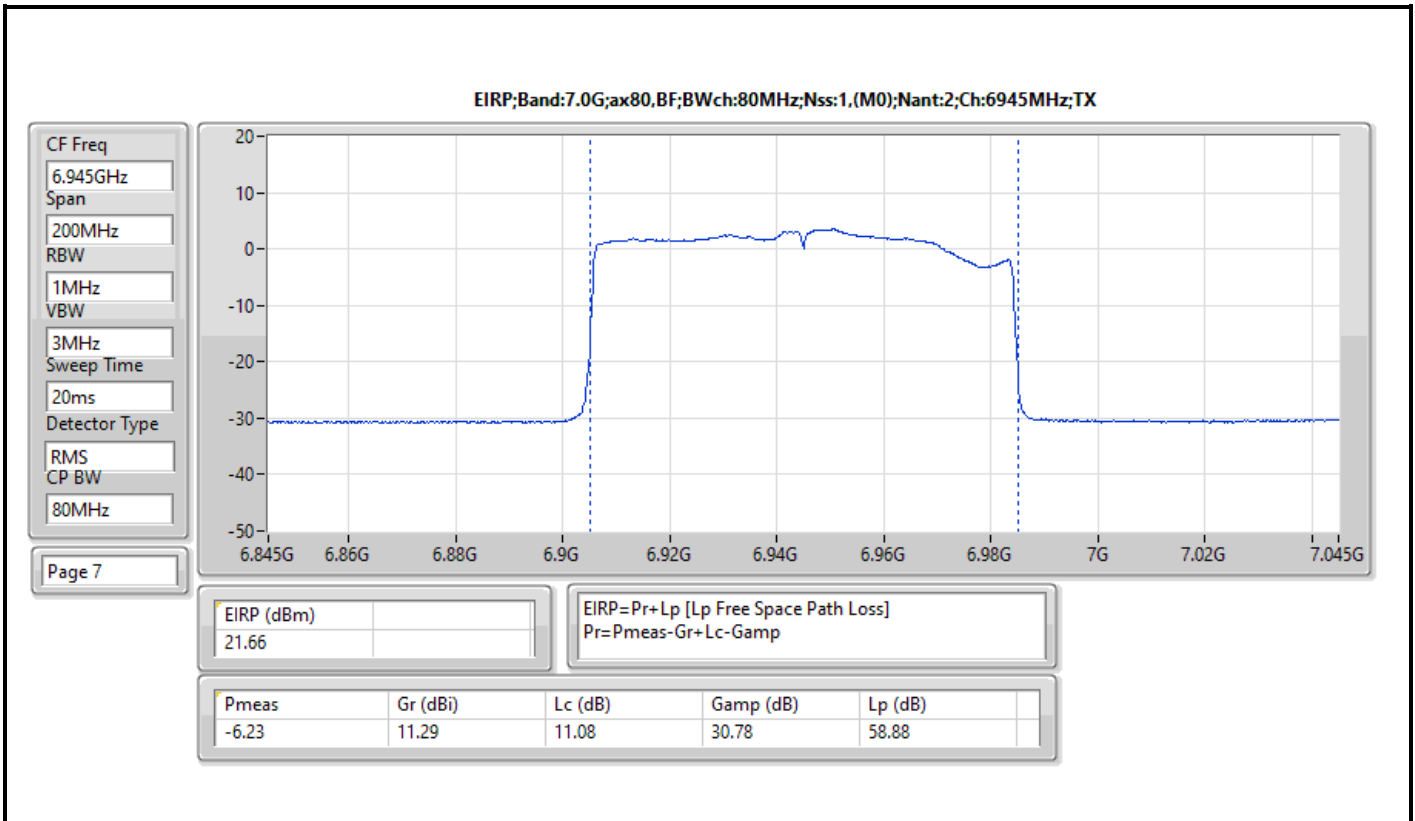


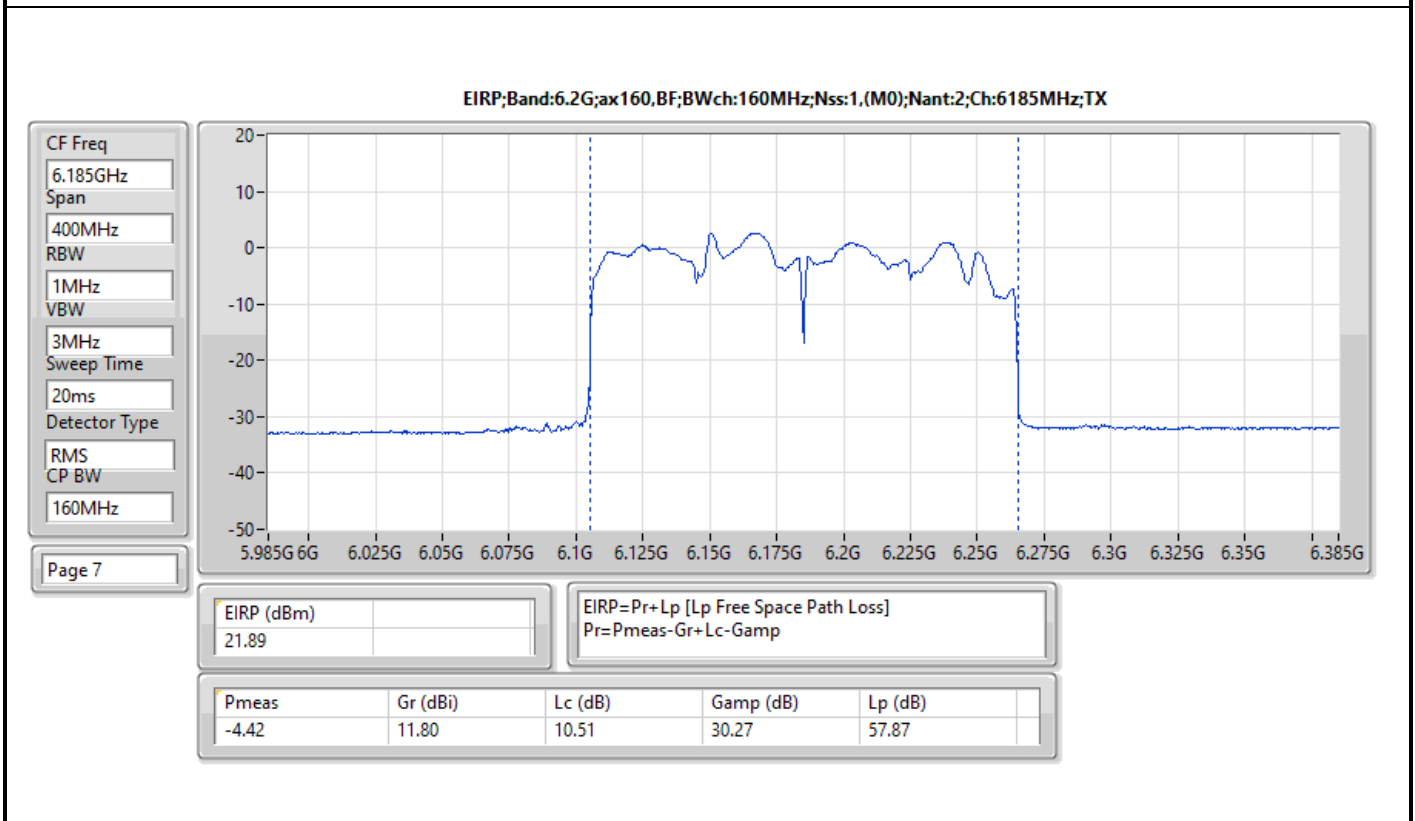
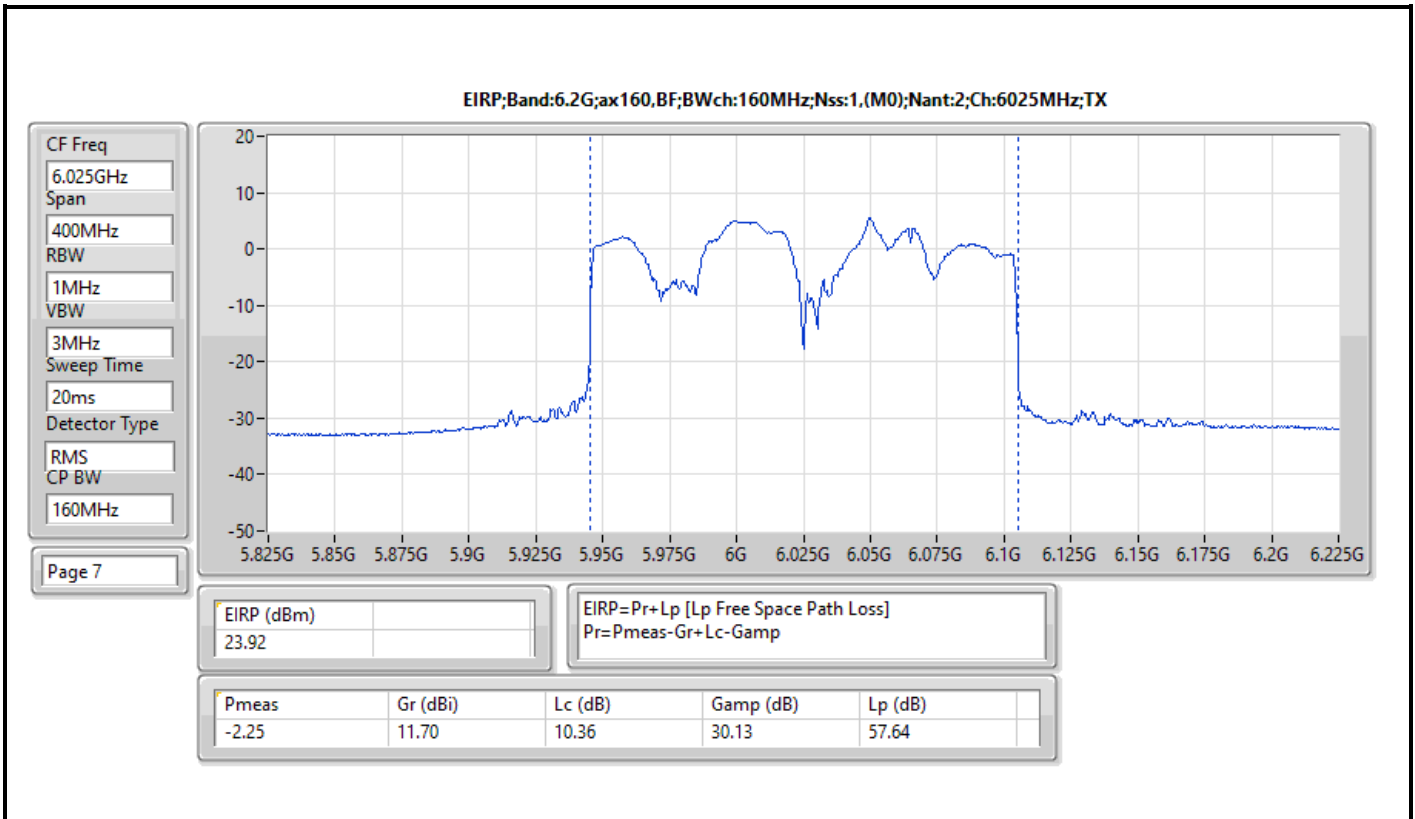


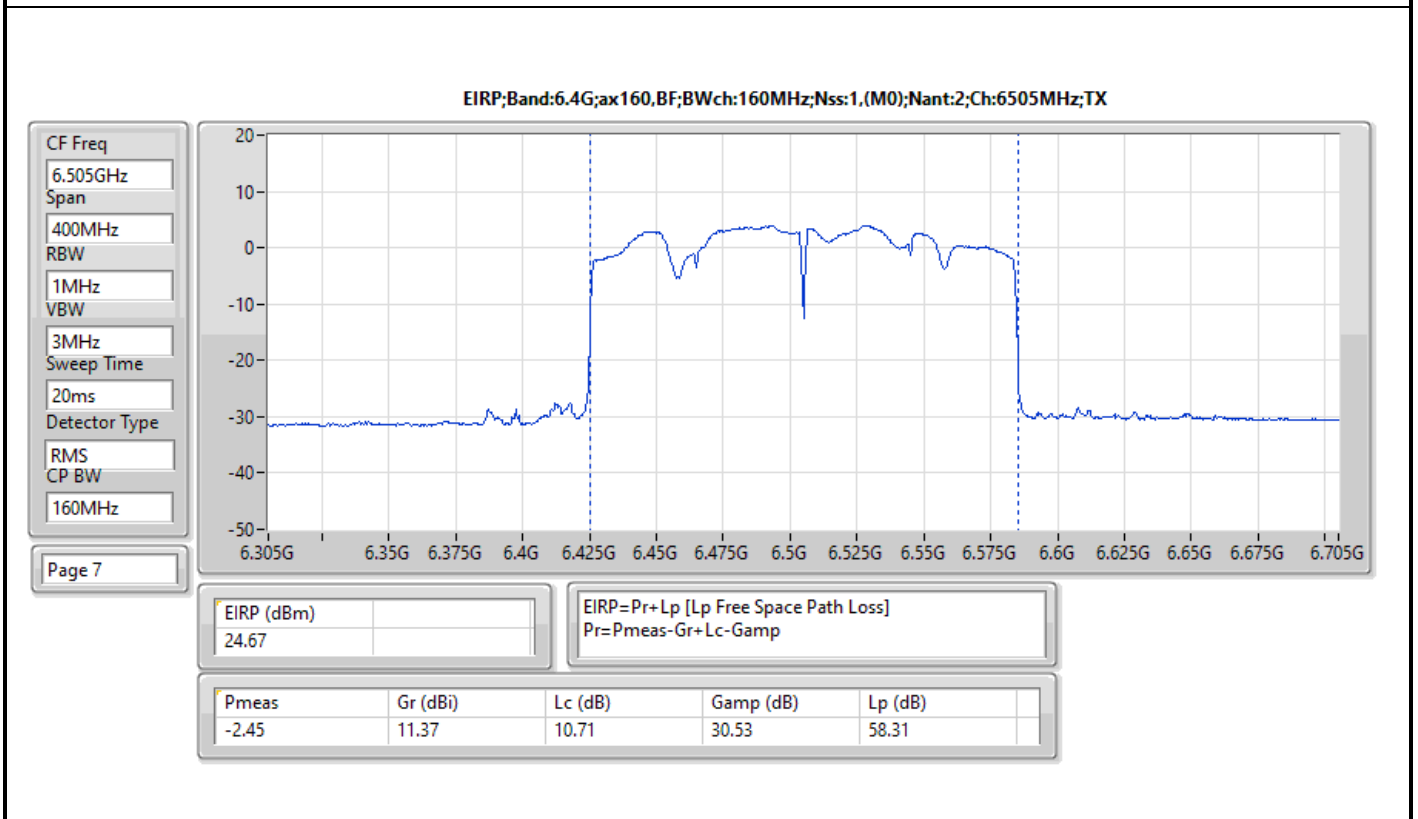
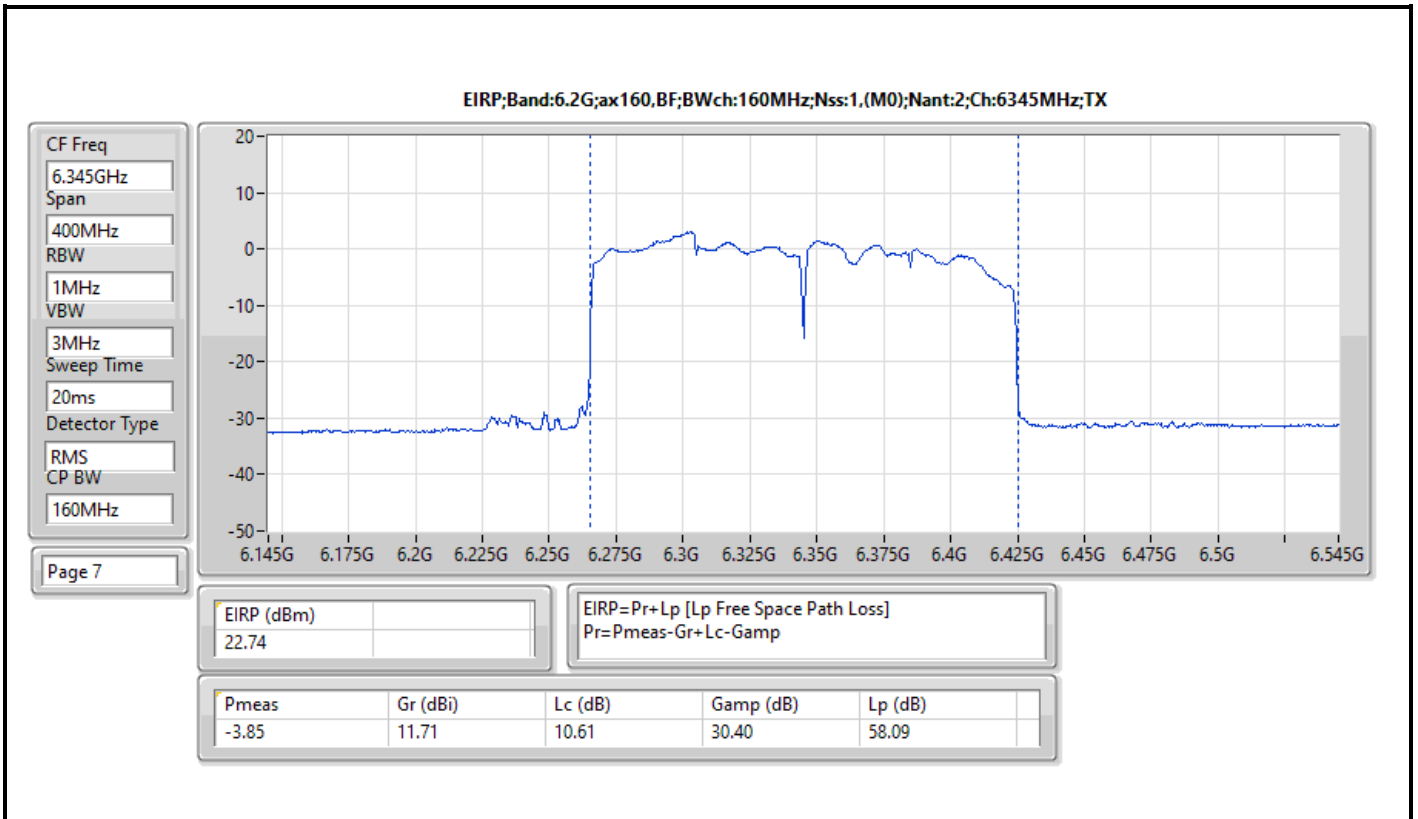


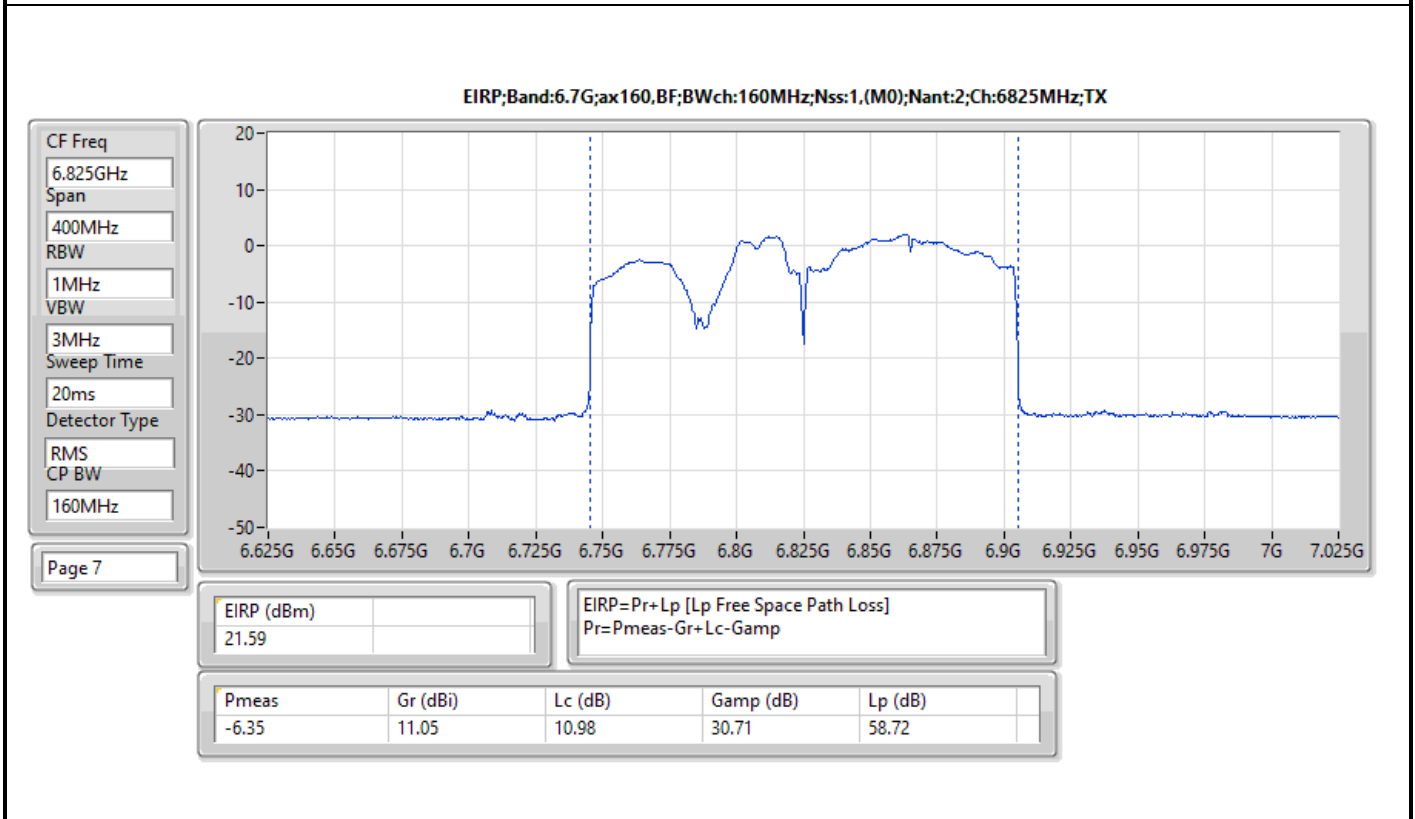
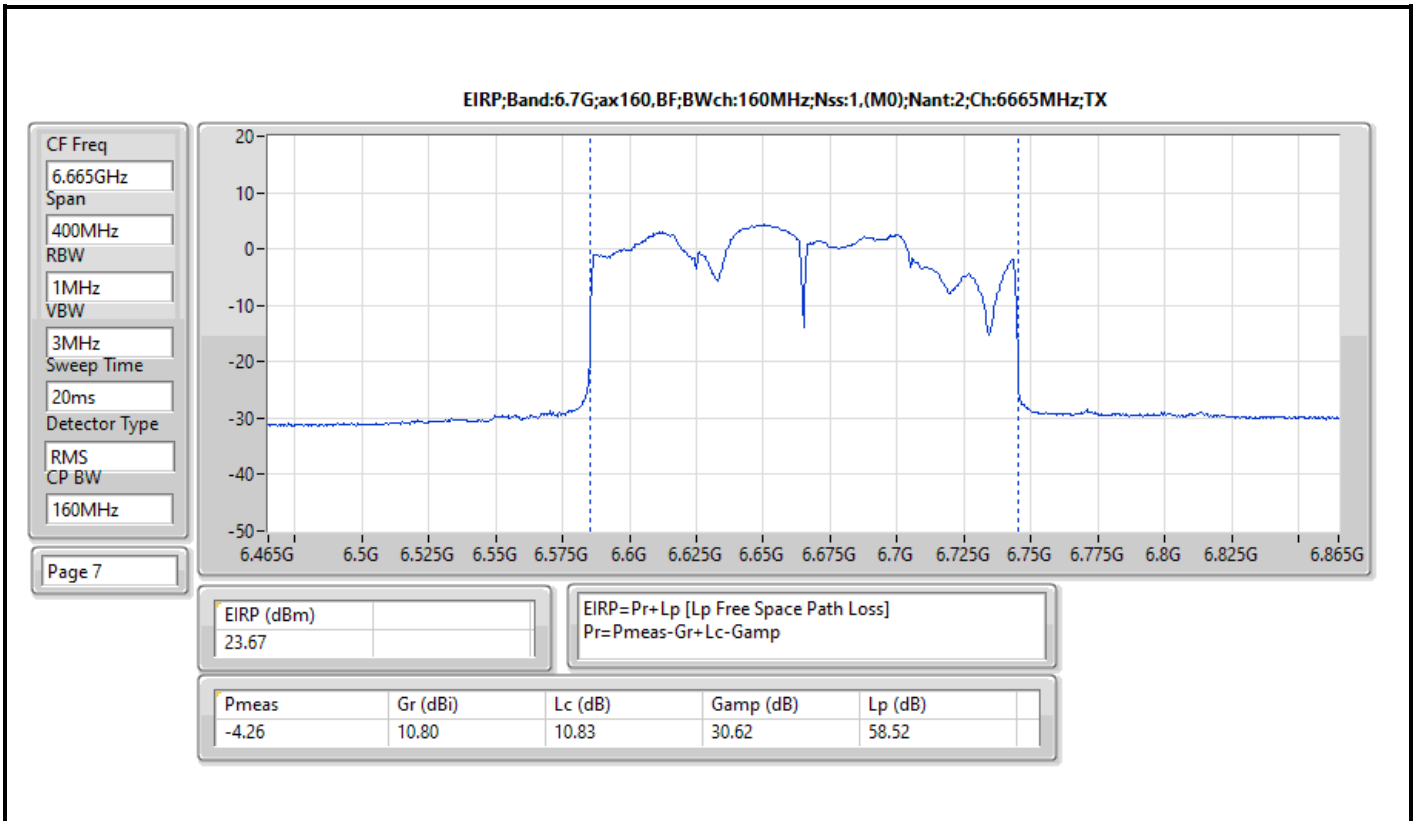


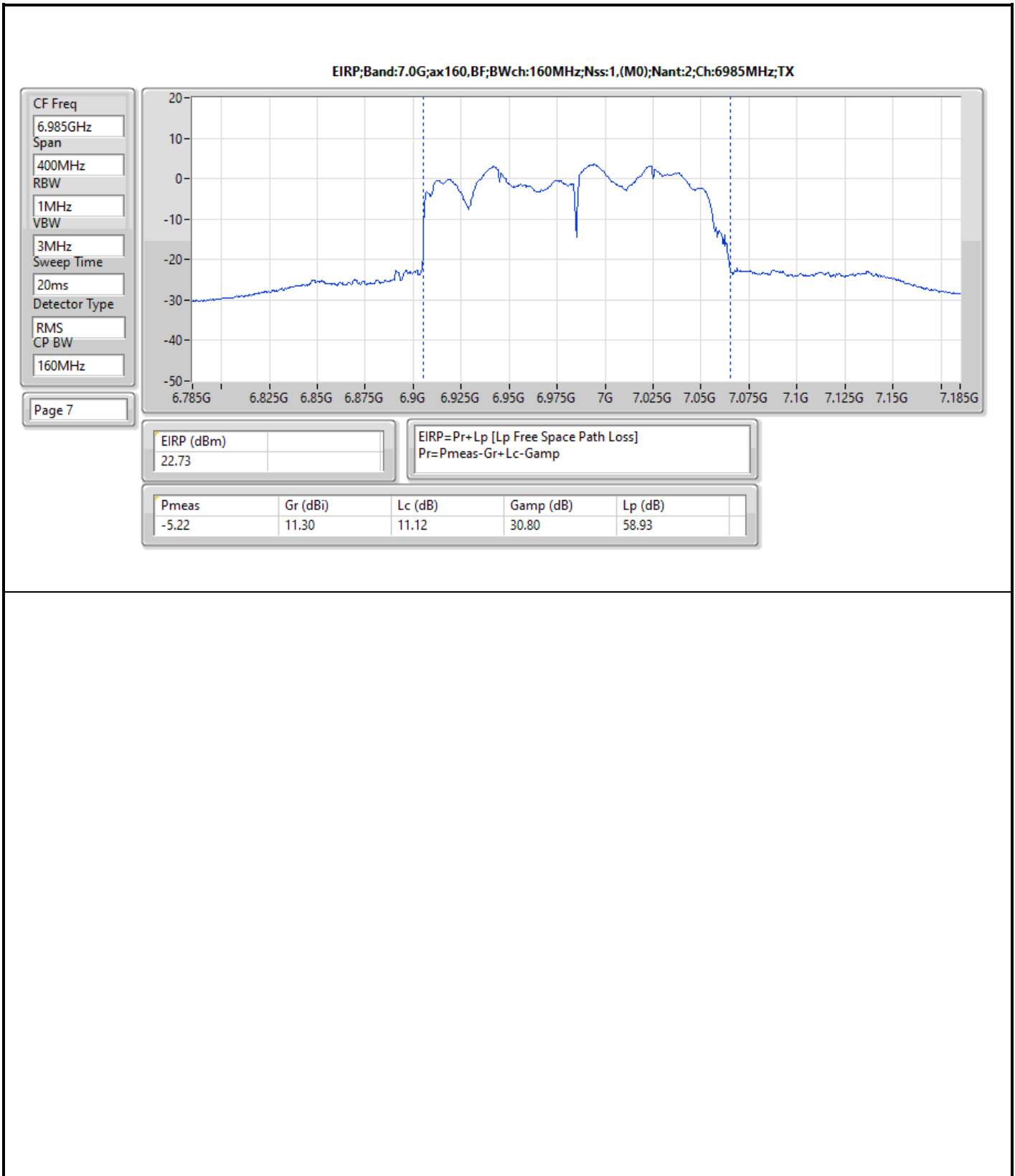














Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11a_Nss1,(6Mbps)_2TX	4.96
802.11ax HEW20_Nss1,(MCS0)_2TX	4.82
802.11ax HEW40_Nss1,(MCS0)_2TX	4.75
802.11ax HEW80_Nss1,(MCS0)_2TX	4.89
802.11ax HEW160_Nss1,(MCS0)_2TX	4.93
6.425-6.525GHz	-
802.11a_Nss1,(6Mbps)_2TX	4.78
802.11ax HEW20_Nss1,(MCS0)_2TX	4.97
802.11ax HEW40_Nss1,(MCS0)_2TX	4.91
802.11ax HEW80_Nss1,(MCS0)_2TX	4.60
802.11ax HEW160_Nss1,(MCS0)_2TX	4.56
6.525-6.875GHz	-
802.11a_Nss1,(6Mbps)_2TX	4.93
802.11ax HEW20_Nss1,(MCS0)_2TX	4.91
802.11ax HEW40_Nss1,(MCS0)_2TX	4.99
802.11ax HEW80_Nss1,(MCS0)_2TX	4.72
802.11ax HEW160_Nss1,(MCS0)_2TX	4.72
6.875-7.125GHz	-
802.11a_Nss1,(6Mbps)_2TX	4.81
802.11ax HEW20_Nss1,(MCS0)_2TX	4.93
802.11ax HEW40_Nss1,(MCS0)_2TX	4.92
802.11ax HEW80_Nss1,(MCS0)_2TX	4.59
802.11ax HEW160_Nss1,(MCS0)_2TX	4.99

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



Result

Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11a_Nss1,(6Mbps)_2TX	-	-	-
5955MHz	Pass	4.55	5.00
6175MHz	Pass	4.96	5.00
6415MHz	Pass	4.91	5.00
6435MHz	Pass	4.58	5.00
6475MHz	Pass	4.78	5.00
6515MHz	Pass	4.60	5.00
6535MHz	Pass	4.90	5.00
6695MHz	Pass	4.72	5.00
6855MHz	Pass	4.93	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.79	5.00
6895MHz	Pass	4.79	5.00
6995MHz	Pass	4.81	5.00
7095MHz	Pass	4.43	5.00
7115MHz	Pass	-0.50	5.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	4.67	5.00
6175MHz	Pass	4.82	5.00
6415MHz	Pass	4.78	5.00
6435MHz	Pass	4.95	5.00
6475MHz	Pass	4.97	5.00
6515MHz	Pass	4.84	5.00
6535MHz	Pass	4.91	5.00
6695MHz	Pass	4.90	5.00
6855MHz	Pass	4.66	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.26	5.00
6895MHz	Pass	4.75	5.00
6995MHz	Pass	4.75	5.00
7095MHz	Pass	4.93	5.00
7115MHz	Pass	-2.15	5.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	4.40	5.00
6165MHz	Pass	4.65	5.00
6405MHz	Pass	4.75	5.00
6445MHz	Pass	4.91	5.00
6485MHz	Pass	4.39	5.00
6525MHz Straddle 6.425-6.525GHz	Pass	4.69	5.00
6565MHz	Pass	4.99	5.00
6685MHz	Pass	4.65	5.00
6845MHz	Pass	4.92	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	4.98	5.00
6925MHz	Pass	4.90	5.00
7005MHz	Pass	4.62	5.00
7085MHz	Pass	4.92	5.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	4.80	5.00
6145MHz	Pass	4.57	5.00
6385MHz	Pass	4.89	5.00
6465MHz	Pass	4.54	5.00
6545MHz Straddle 6.425-6.525GHz	Pass	4.60	5.00
6625MHz	Pass	4.72	5.00
6705MHz	Pass	4.62	5.00
6785MHz	Pass	4.55	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	4.62	5.00
6945MHz	Pass	4.59	5.00



Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
7025MHz	Pass	4.59	5.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	4.71	5.00
6185MHz	Pass	4.83	5.00
6345MHz	Pass	4.93	5.00
6505MHz Straddle 6.425-6.525GHz	Pass	4.56	5.00
6665MHz	Pass	4.72	5.00
6825MHz Straddle 6.525-6.875GHz	Pass	4.52	5.00
6985MHz	Pass	4.99	5.00

DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

