



RADIO TEST REPORT

FCC ID : VW3FAST399V2
Equipment : Wireless Home Router
Brand Name : SAGEMCOM
Model Name : FAST 399
Applicant : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Manufacturer : SAGEMCOM BROADBAND SAS
250 Route de l'Empereur - 92848 RUEIL
MALMAISON CEDEX- FRANCE
Standard : 47 CFR FCC Part 15.407

The product was received on Nov. 07, 2022, and testing was started from Nov. 08, 2022 and completed on Jan. 05, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)



Table of Contents

History of this test report.....3

Summary of Test Result.....4

1 General Description5

1.1 Information.....5

1.2 Applicable Standards8

1.3 Testing Location Information.....8

1.4 Measurement Uncertainty9

2 Test Configuration of EUT10

2.1 Test Channel Mode10

2.2 The Worst Case Measurement Configuration13

2.3 EUT Operation during Test15

2.4 Accessories15

2.5 Support Equipment.....16

2.6 Test Setup Diagram17

3 Transmitter Test Result20

3.1 AC Power-line Conducted Emissions20

3.2 Emission Bandwidth22

3.3 Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)23

3.4 Peak Power Spectral Density (E.I.R.P.).....26

3.5 Unwanted Emissions.....30

3.6 Contention Based Protocol.....35

4 Test Equipment and Calibration Data36

Appendix A. Test Results of AC Power-line Conducted Emissions

Appendix B. Test Results of Emission Bandwidth

Appendix C. Test Results of Maximum Equivalent Isotopically Radiated Power (E.I.R.P.)

Appendix D. Test Results of Peak Power Spectral Density (E.I.R.P.)

Appendix E. Test Results of Unwanted Emissions

Appendix F. Test Results of Contention-Based Protocol

Appendix G. Test Photos

Photographs of EUT v01



Summary of Test Result

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

Declaration of Conformity:

1. The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers. It's means measurement values may risk exceeding the limit of regulation standards, if measurement uncertainty is include in test results.
2. The measurement uncertainty please refer to report "Measurement Uncertainty".

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: Penny Kao



1 General Description

1.1 Information

1.1.1 RF General Information

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

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

Note:

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



1.1.2 Antenna Information

Ant.	Port			Brand	Model Name	Type	Connector	Gain (dBi)	Remark
	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz						
1	3	3	-	Galtronics	02102140-07501-1 DB1	PCB	I-Pex	Note1	WLAN 2.4GHz, WLAN 5GHz UNII 1, 3
2	2	2	-	Galtronics	02102140-07501-2 DB2	PCB	I-Pex		WLAN 2.4GHz, WLAN 5GHz UNII 1, 3
3	1	1	-	Galtronics	02102140-07501-3 DB3	PCB	I-Pex		WLAN 2.4GHz, WLAN 5GHz UNII 1, 3
4	-	4	-	Galtronics	02102142-07501 5G	PCB	I-Pex		WLAN 5GHz UNII 1, 3
5	-	-	1	Galtronics	02102475-07501B1 6G1 (HPOLOMNI)	PCB	I-Pex		WLAN 6GHz UNII 5~8
6	-	-	2	Galtronics	02102475-07501B2 6G2 (HPOLOMNI)	PCB	I-Pex		WLAN 6GHz UNII 5~8
7	-	-	3	Galtronics	02102475-07501A1 6G3	PCB	I-Pex		WLAN 6GHz UNII 5~8
8	-	-	4	Galtronics	02102475-07501A2 6G4	PCB	I-Pex		WLAN 6GHz UNII 5~8

Note1:

Ant.	Gain (dBi)					
	WLAN 2.4GHz	WLAN 5GHz UNII 1	WLAN 5GHz UNII 2A	WLAN 5GHz UNII 2C	WLAN 5GHz UNII 3	WLAN 6GHz UNII 5~8
1	3.12	3.32	3.31	2.65	3.66	-
2	1.24	2.27	1.97	2.31	2.46	-
3	3.18	3.33	2.68	2.36	2.01	-
4	-	4.9	3.67	3.24	3.22	-
5	-	-	-	-	-	5.519
6	-	-	-	-	-	3.588
7	-	-	-	-	-	4.972
8	-	-	-	-	-	6.680
Directional Gain (dBi) (3T1S)	3.41	-	-	-	-	-
Directional Gain (dBi) (4T1S)	-	5.13	4.03	4.01	4.42	-

Note2: The above information (except Ant.1~4 gain) was declared by manufacturer.

Note3: The directional gain of WLAN 2.4GHz,5GHz is measured which follows the procedure of KDB 662911 D03.

Note4: The DFS band doesn't enable at this time.

Note5: <WLAN 2.4GHz function>

802.11 b/g/n/VHT/ax mode (3TX/3RX):

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

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

<WLAN 5GHz function>

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

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

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

<WLAN 6GHz function>

802.11ax mode (4TX/4RX):

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

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



1.1.3 Mode Test Duty Cycle

Non-beamforming mode

Table with 5 columns: Mode, DC, DCF(dB), T(s), VBW(Hz) ≥ 1/T. Rows include 802.11ax HEW20, HEW40, HEW80, HEW160.

Beamforming mode

Table with 5 columns: Mode, DC, DCF(dB), T(s), VBW(Hz) ≥ 1/T. Rows include 802.11ax HEW20-BF, HEW40-BF, HEW80-BF, HEW160-BF.

Note:

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

1.1.4 EUT Operational Condition

Table with 2 columns: EUT Power Type, From Power Adapter. Rows include Beamforming Function, Device Type, Channel Puncturing Function, Support RU, Test Software Version, Software / Firmware Version for CBP.

Note: The above information was declared by manufacturer.



1.2 Applicable Standards

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

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

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

- ♦ FCC KDB 987594 D02 v01r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH03-CB	Owen Hsu	23.6-24.1 / 58-64	Nov. 12, 2022~ Nov. 26, 2022
Radiated (Unwanted Emission > 1GHz, Maximum Equivalent Isotopically Radiated Power and Peak Power Spectral Density)	03CH06-CB	Ederson Huang	22.9~24 / 54~57	Nov. 08, 2022~ Jan. 05, 2023
	03CH02-CB		22.9~23.9 / 53~56	
	03CH03-CB		22.1~23.8 / 63~67	
Radiated < 1GHz	03CH03-CB	Ederson Huang	22.1~23.8 / 63~67	Nov. 08, 2022~ Jan. 05, 2023
AC Conduction	CO01-CB	Peter Wu	22~23 / 57~58	Dec. 29, 2022
RF Conducted <Contention-Based Protocol test>	DF02-CB	Kevin Huang	16.5~17.8 / 56~59	Dec. 16, 2022~ Dec. 26, 2022



1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.6 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	5.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.7 dB	Confidence levels of 95%
Conducted Emission	3.2 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.2 dB	Confidence levels of 95%
Bandwidth Measurement	2.0 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Non-beamforming mode

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_4TX	-
5955MHz	39
6175MHz	38
6415MHz	40
6435MHz	39
6475MHz	35
6515MHz	35
6535MHz	35
6695MHz	37
6855MHz	39
6875MHz Straddle 6.525-6.875GHz	39
6895MHz	37
6995MHz	35
7095MHz	39
802.11ax HEW40_Nss1,(MCS0)_4TX	-
5965MHz	46
6165MHz	46
6405MHz	46
6445MHz	48
6485MHz	43
6525MHz Straddle 6.425-6.525GHz	45
6565MHz	44
6685MHz	46
6845MHz	49
6885MHz Straddle 6.525-6.875GHz	47
6925MHz	45
7005MHz	45
7085MHz	48
802.11ax HEW80_Nss1,(MCS0)_4TX	-
5985MHz	58
6145MHz	58
6385MHz	60
6465MHz	60
6545MHz Straddle 6.425-6.525GHz	57



Mode	Power Setting
6625MHz	60
6705MHz	58
6785MHz	62
6865MHz Straddle 6.525-6.875GHz	62
6945MHz	55
7025MHz	58
802.11ax HEW160_Nss1,(MCS0)_4TX	-
6025MHz	74
6185MHz	68
6345MHz	69
6505MHz Straddle 6.425-6.525GHz	69
6665MHz	72
6825MHz Straddle 6.525-6.875GHz	75
6985MHz	70

Beamforming mode

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
5955MHz	33
6175MHz	31
6415MHz	31
6435MHz	29
6475MHz	27
6515MHz	29
6535MHz	27
6695MHz	34
6855MHz	28
6875MHz Straddle 6.525-6.875GHz	28
6895MHz	25
6995MHz	19
7095MHz	31
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
5965MHz	40
6165MHz	43
6405MHz	39
6445MHz	40
6485MHz	39
6525MHz Straddle 6.425-6.525GHz	41
6565MHz	39



Mode	Power Setting
6685MHz	41
6845MHz	41
6885MHz Straddle 6.525-6.875GHz	41
6925MHz	40
7005MHz	43
7085MHz	40
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-
5985MHz	57
6145MHz	56
6385MHz	54
6465MHz	47
6545MHz Straddle 6.425-6.525GHz	50
6625MHz	51
6705MHz	52
6785MHz	56
6865MHz Straddle 6.525-6.875GHz	50
6945MHz	50
7025MHz	56
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-
6025MHz	58
6185MHz	62
6345MHz	58
6505MHz Straddle 6.425-6.525GHz	58
6665MHz	66
6825MHz Straddle 6.525-6.875GHz	64
6985MHz	52



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	EUT_WLAN 2.4GHz + Adapter
2	EUT_WLAN 5GHz + Adapter
3	EUT_WLAN 6GHz + Adapter
For operating mode 1 is the worst case and it was record in this test report.	

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type. After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.
1	EUT in Y axis



The Worst Case Mode for Following Conformance Tests	
Tests Item	Unwanted Emissions
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
	After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 2.4GHz + Adapter
2	EUT in Y axis_WLAN 5GHz + Adapter
3	EUT in Y axis_WLAN 6GHz + Adapter
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
	After evaluating, the worst case was found at Y axis, thus the measurement will follow this same test configuration.
1	EUT in Y axis_WLAN 6GHz UNII 5~8

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	WLAN 2.4GHz + WLAN 5GHz UNII 1, 3 + WLAN 6GHz UNII 5~8
Refer to Sporton Test Report No.: FA170737-06 for Co-location RF Exposure Evaluation.	



2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

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

The program was executed as follows:

1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under DOS [ver 6.1.7601].
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

2.4 Accessories

Accessories			
Equipment Name	Brand Name	Model Name	Rating
Adapter	MOSO	MSG-V2500NR120-030E0-US	INPUT: 100-127V~ 50/60Hz, 1.0A Max. OUTPUT: 12.0V, 2.5A



2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	PP13S	N/A

For Radiated (below 1GHz) and RF Conducted:

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

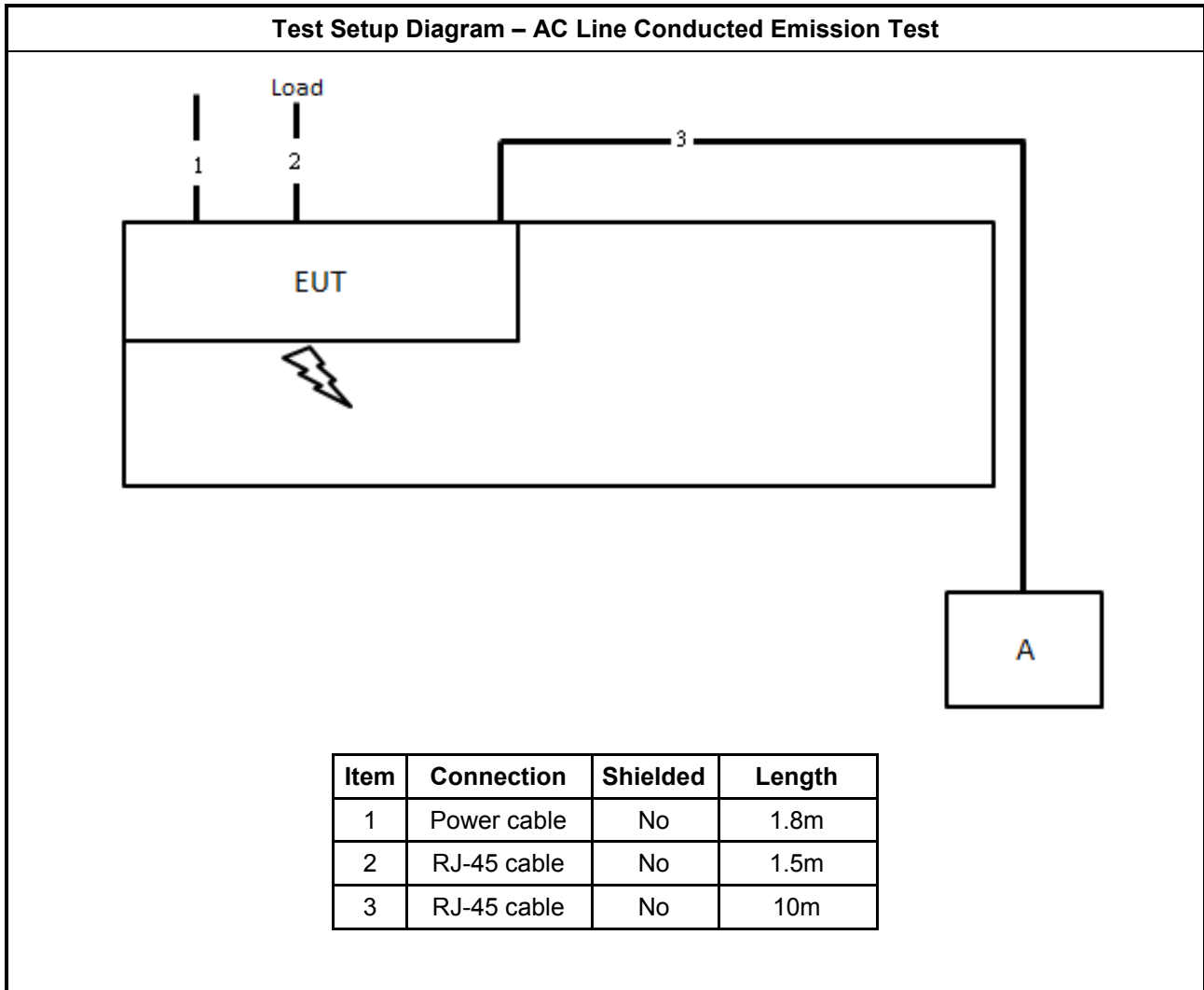
For Radiated (above 1GHz):
Non-beamforming mode

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

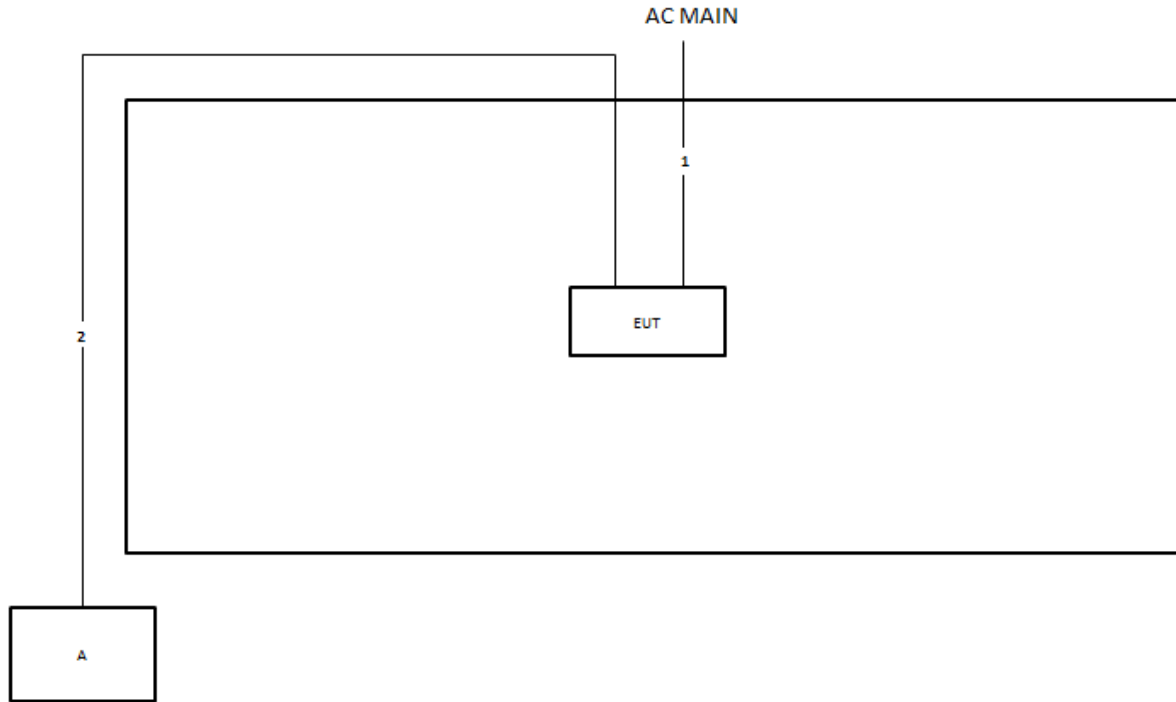
Beamforming mode

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	WLAN module	Intel	AX210NGW	PD9AX210NG

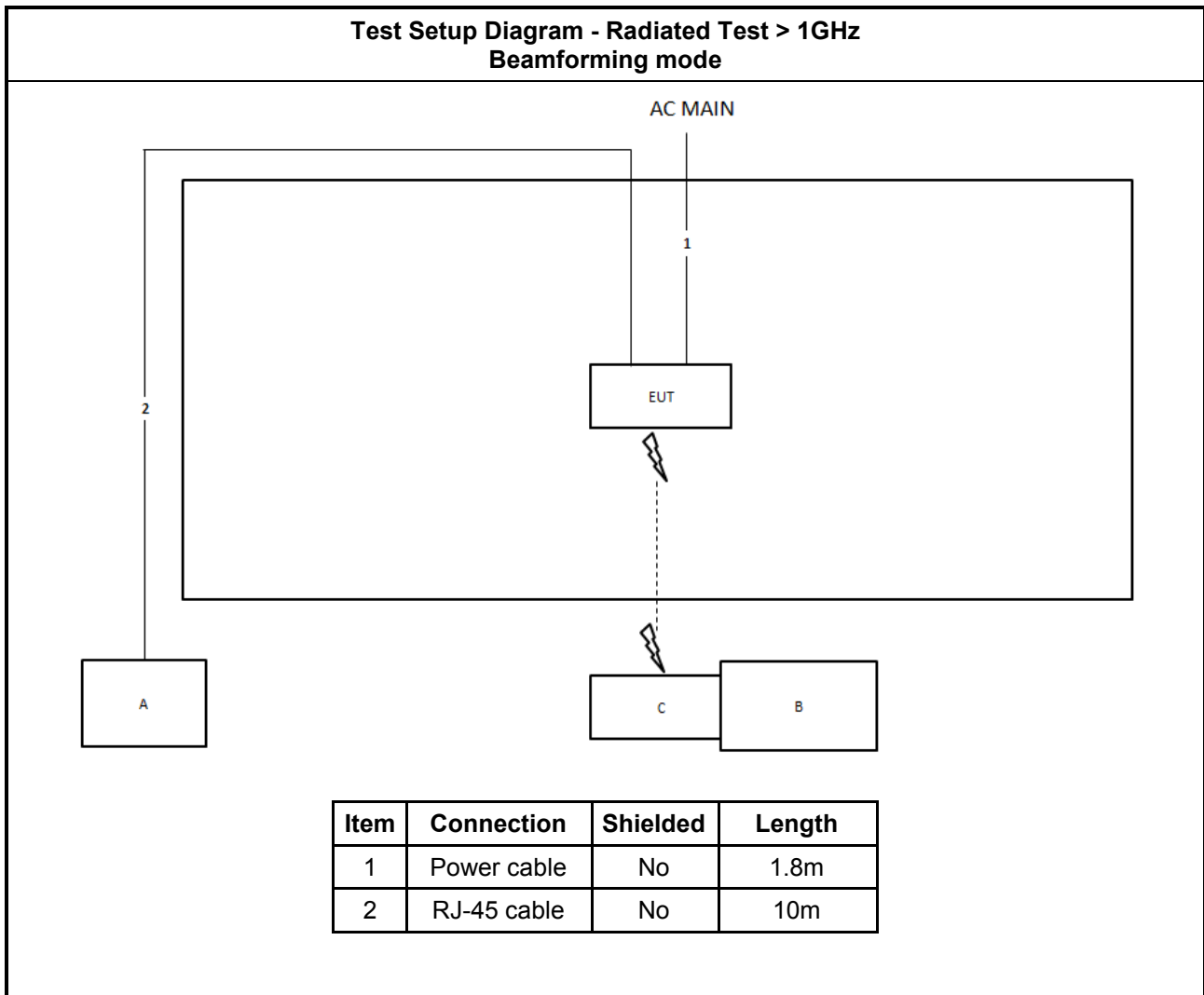
2.6 Test Setup Diagram



**Test Setup Diagram - Radiated Test < 1GHz
& > 1GHz Non-beamforming mode**



Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m





3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

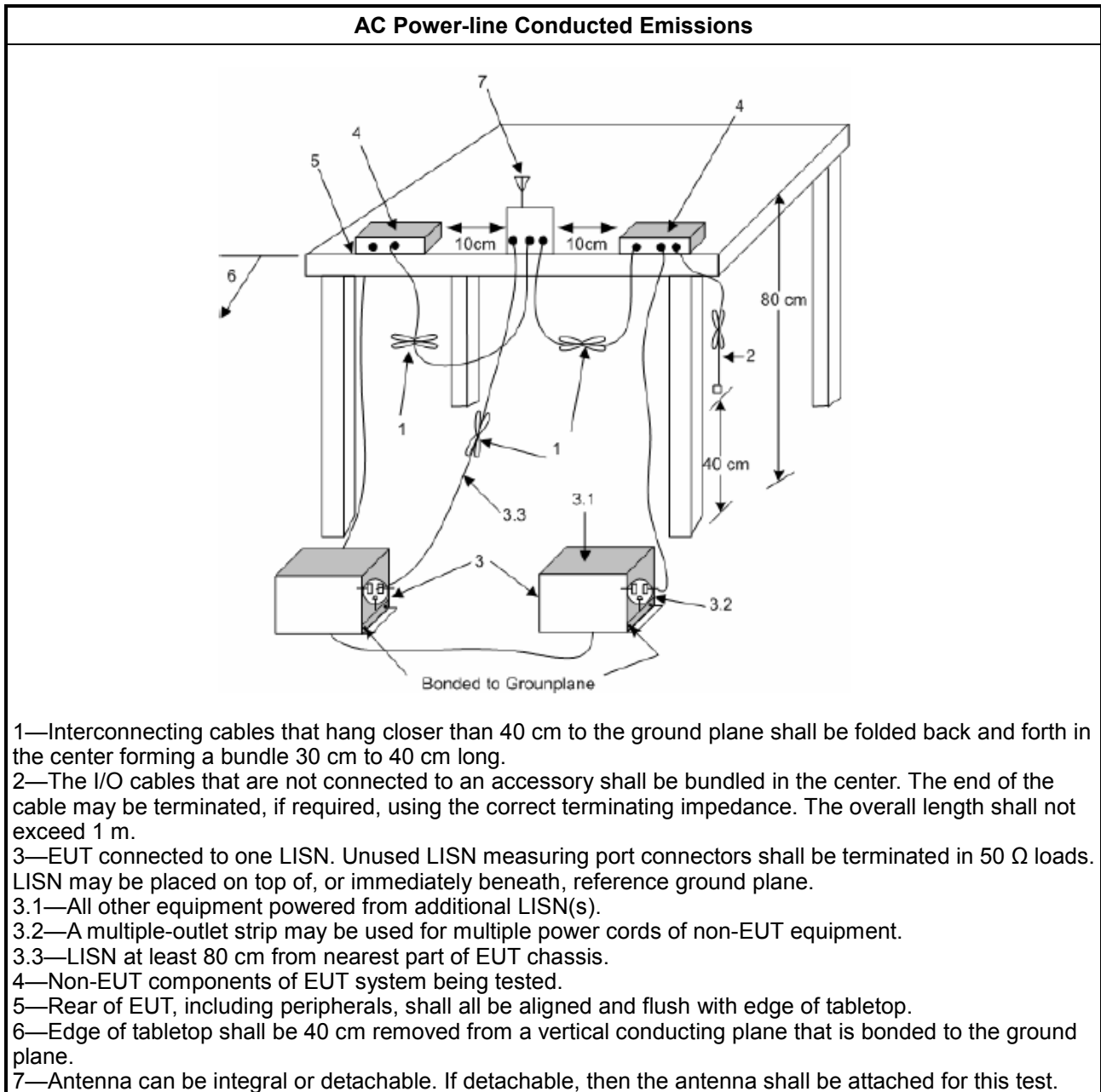
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



3.1.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

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

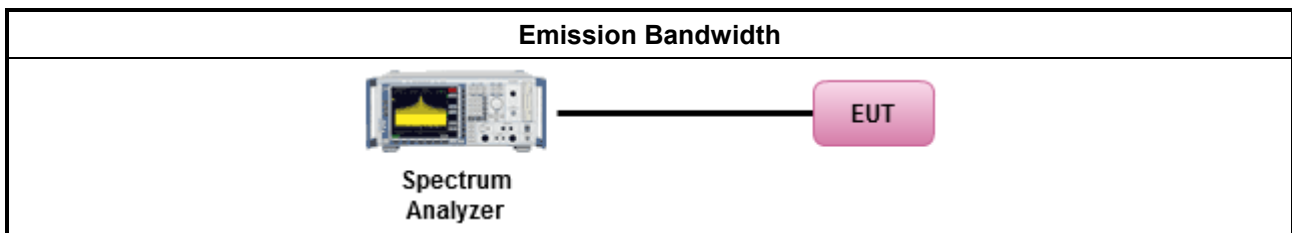
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

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

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



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

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

Maximum Equivalent Isotropically Radiated Power (E.I.R.P.) Limit	
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.
RLAN Devices	
<input type="checkbox"/>	For the 5.925 ~ 7.125 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ For low-power indoor access-points & indoor subordinate devices < 30 dBm . ▪ For low-power client devices < 24 dBm.
<input type="checkbox"/>	For the 5.925 ~ 6.875 GHz band:
<input type="checkbox"/>	<ul style="list-style-type: none"> ▪ For standard-power access points & fixed client devices < 36 dBm. ▪ For standard client devices < 30 dBm.



3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033. 	
Average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: RBW/VBW : 1/3MHz ; Detector : RMS ; Trace mode : Average ; Sweep Count 100.
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
Wideband RF power meter and average over on/off periods with duty factor	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, 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 FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. ▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation. 	

Note :

The test is the final test result, It includes antenna /cable loss factor & FSL factor.

The EIRP calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"

EIRP Formula :

$$EIRP(dBm) = PR(dBm) + LP(FSL \text{ factor})$$

where;

PR(dBm) : Power measurement level include antenna/cable loss

LP : Free Space Loss(dB)

PR Formula :

$$PR(dBm) = P \text{ Meas}(dBm) - GR(dBi) + LC(dB)$$

where;

P Meas(dBm) : Power measurement level

GR(dBi) : Gain of the receive(measurement) antenna (dBi)

LC(dB) : Measurement cable loss (dB)

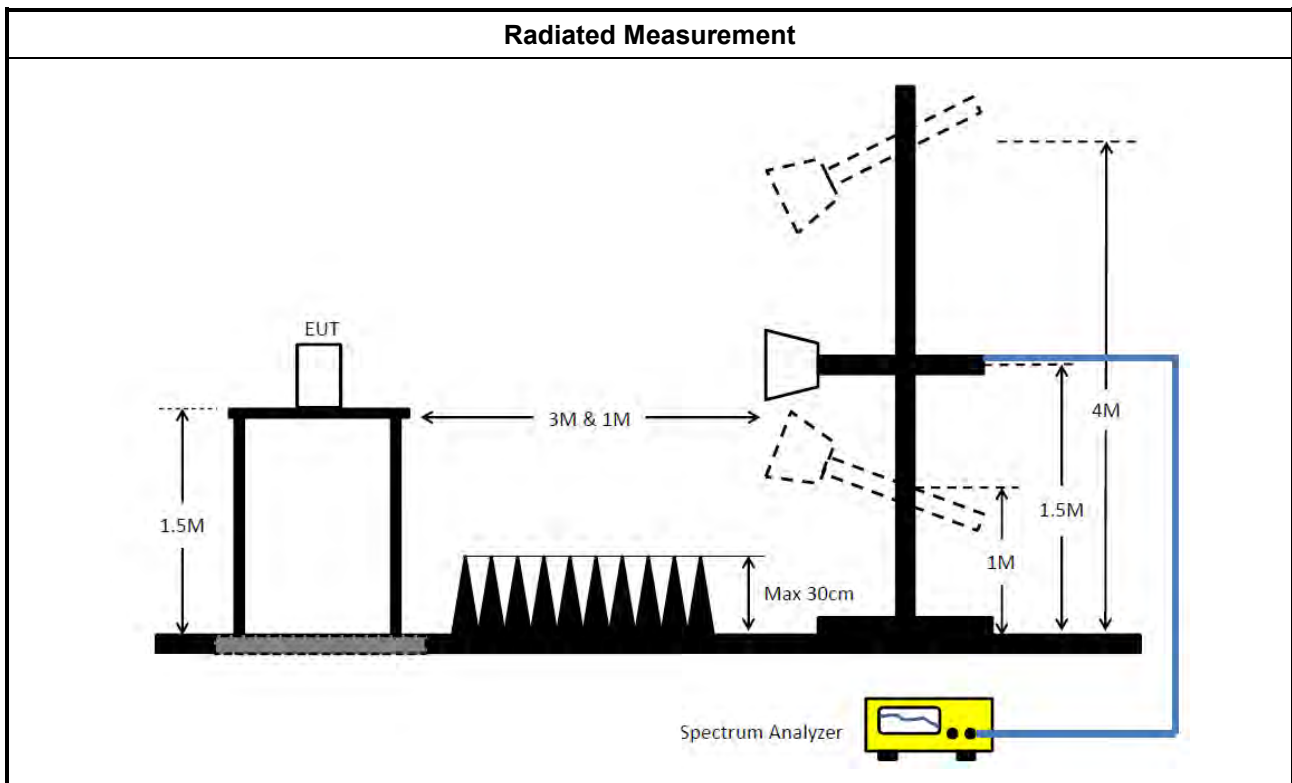
LP(FSL factor) Formula :
 $LP(dB) = 20 \log F + 20 \log D - 27.54$
 where;
 F(MHz) : EUT center frequency
 D(m) : Measurement distance

For Example:
 Test mode HE20 5955MHz EIRP measurement
 PR Formula :
 $PR(dBm) = -35.68 - 13.12 + 6.02 = -42.78$

LP(FSL factor) Formula :
 $LP(dB) = 20 \log(5955) + 20 \log(3) - 27.5 = 57.54$

EIRP Formula :
 $EIRP(dBm) = -42.78 + 57.54 = 14.76$

3.3.4 Test Setup



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

Refer as Appendix C



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

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

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

3.4.2 Measuring Instruments

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



3.4.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options: 	
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
<input checked="" type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
<input type="checkbox"/>	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
<input 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 FCC KDB 789033 D02 clause II A.1.F "Antenna-port Conducted versus Radiated Testing" 	
<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz. 	



Test Method	
	▪ Refer as FCC KDB 412172 D01 clause 2.2 for EIRP calculation.

Note :

The test is the final test result, It includes antenna /cable loss factor & FSL factor.
The EIRP PSD calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"

EIRP PSD Formula :

$$\text{EIRP PSD(dBm/MHz)} = \text{PR(dBm/MHz)} + \text{LP(FSL factor)}$$

where;

PR(dBm/MHz) : Power measurement level include antenna/cable loss

LP : Free Space Loss(dB)

PR Formula :

$$\text{PR(dBm/MHz)} = \text{P Meas(dBm/MHz)} - \text{GR(dBi)} + \text{LC(dB)}$$

where;

P Meas(dBm/MHz) : PSD measurement level

GR(dBi) : Gain of the receive(measurement) antenna (dBi)

LC(dB) : Measurement cable loss (dB)

LP(FSL factor) Formula :

$$\text{LP(dB)} = 20 \log F + 20 \log D - 27.54$$

where;

F(MHz) : EUT center frequency

D(m) : Measurement distance

For Example:

Test mode HE20 5955MHz EIRP PSD measurement

PR Formula :

$$\text{PR(dBm/MHz)} = -45.51 - 13.12 + 6.02 = -52.61$$

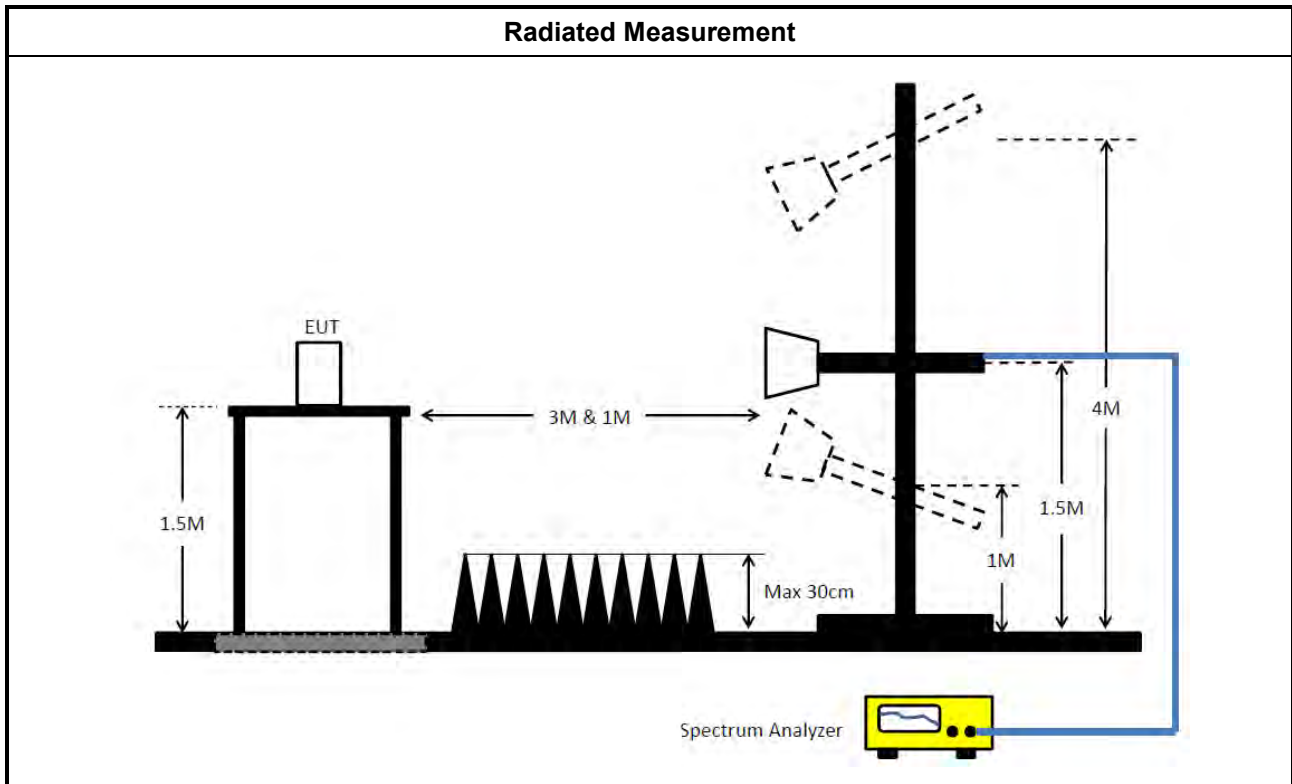
LP(FSL factor) Formula :

$$\text{LP(dB)} = 20 \log(5955.96) + 20 \log(3) - 27.5 = 57.54$$

EIRP PSD Formula

$$\text{EIRP PSD(dBm/MHz)} = -52.61 + 57.54 = 4.93$$

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).

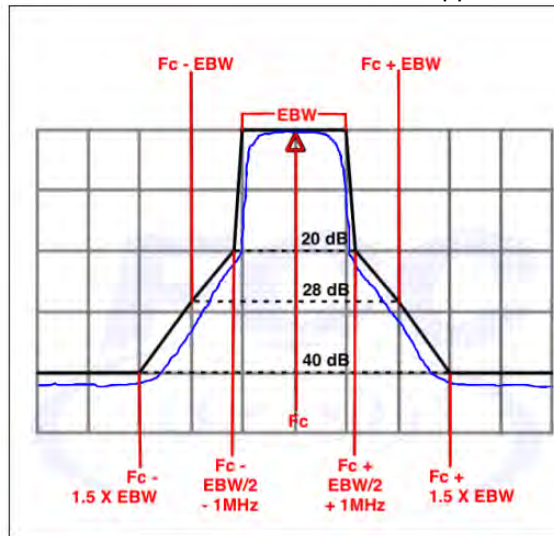
Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, 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) = 54dBuV/m at 3m + 9.54dB = 63.54 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) = 68.2dBuV/m at 3m + 9.54dB = 77.74 dBuV/m at 1m. Note 2:-27 dBm EIRP OBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.
Frequency	Emission MASK Limit

5.945 – 7.125 GHz

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





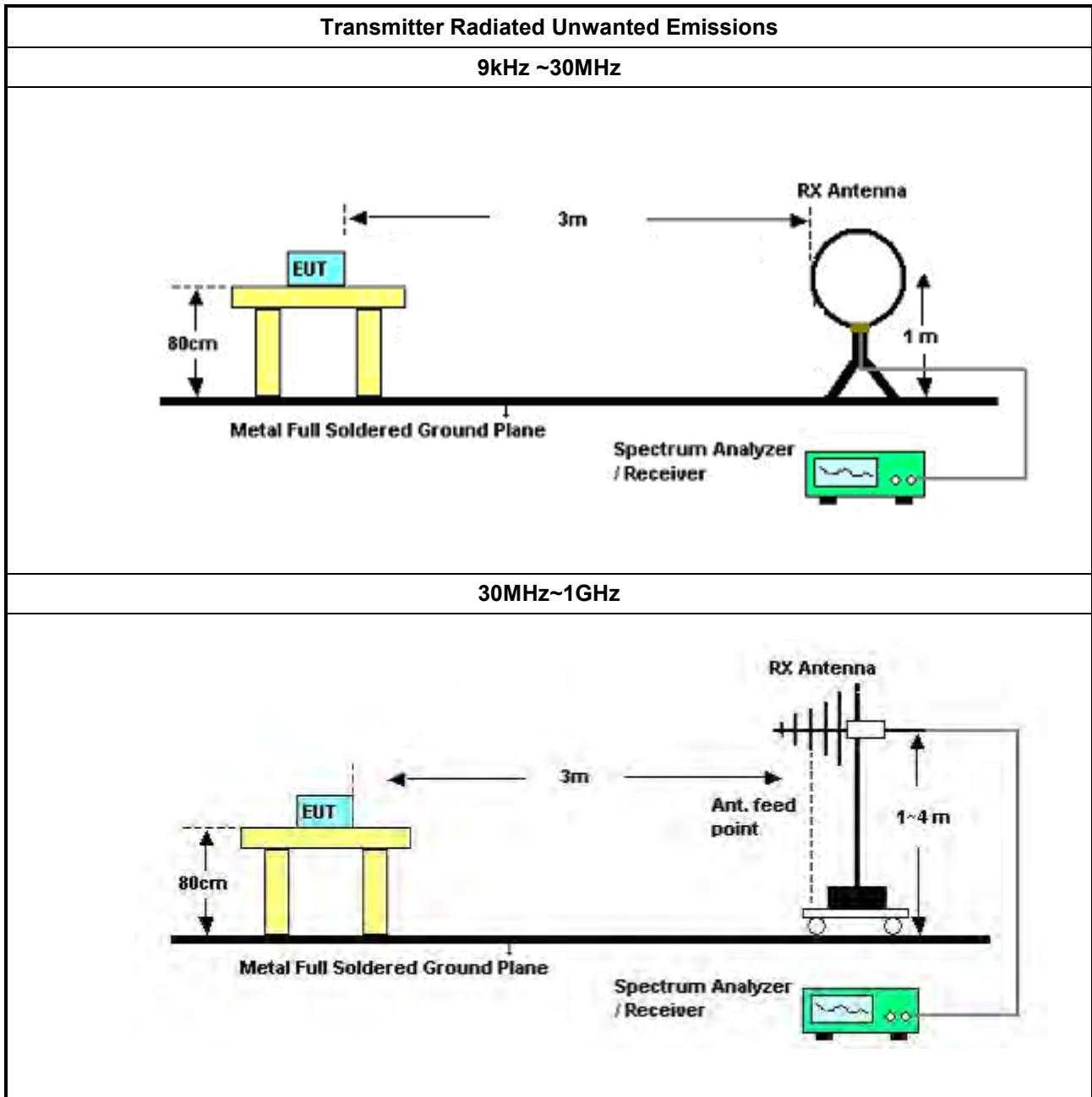
3.5.2 Measuring Instruments

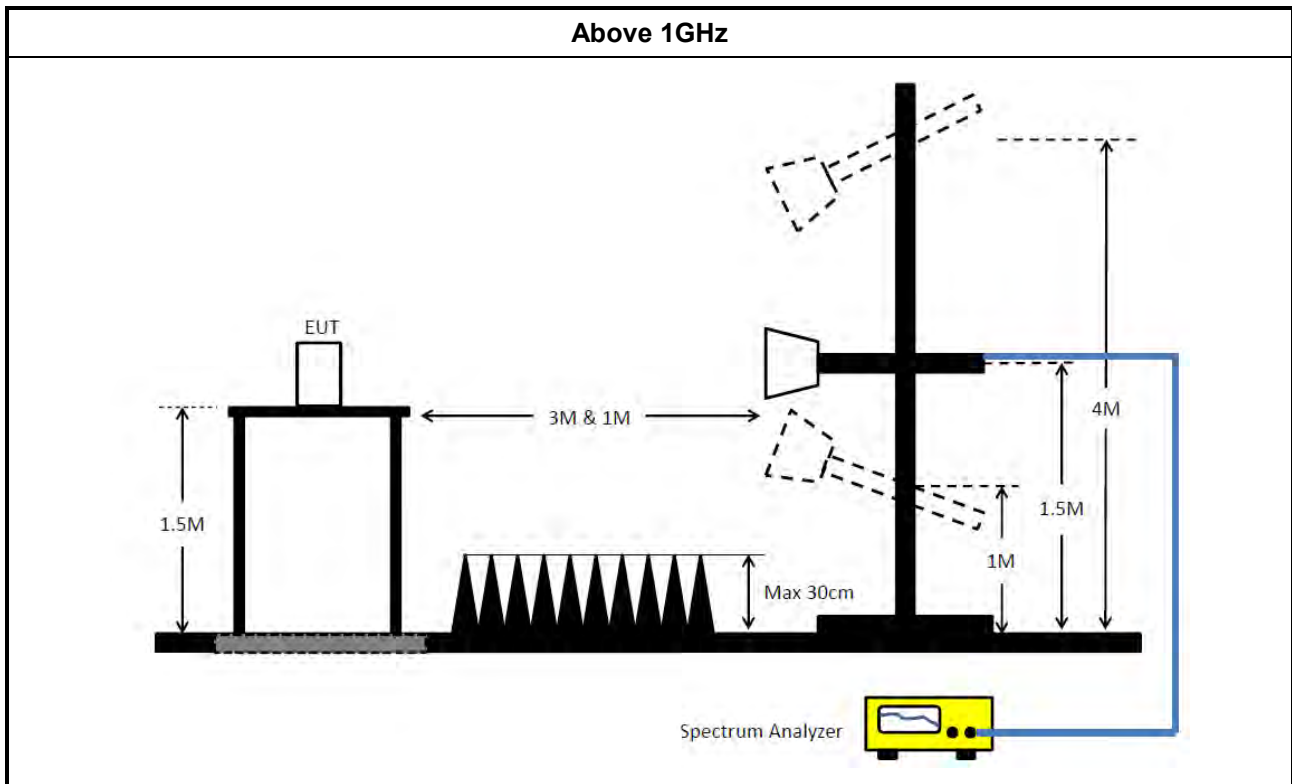
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements). 	
<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor]. 	
<ul style="list-style-type: none"> ▪ For the transmitter unwanted emissions shall be measured using following options below: 	
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	<input type="checkbox"/> Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	<input checked="" type="checkbox"/> Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.(For restricted band average measurement)
	<input type="checkbox"/> Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	<input checked="" type="checkbox"/> Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	<input type="checkbox"/> Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
<ul style="list-style-type: none"> ▪ Refer as FCC KDB 789033 D02, 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 FCC 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. 	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E

3.6 Contention Based Protocol

3.6.1 Contention Based Protocol Limit

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

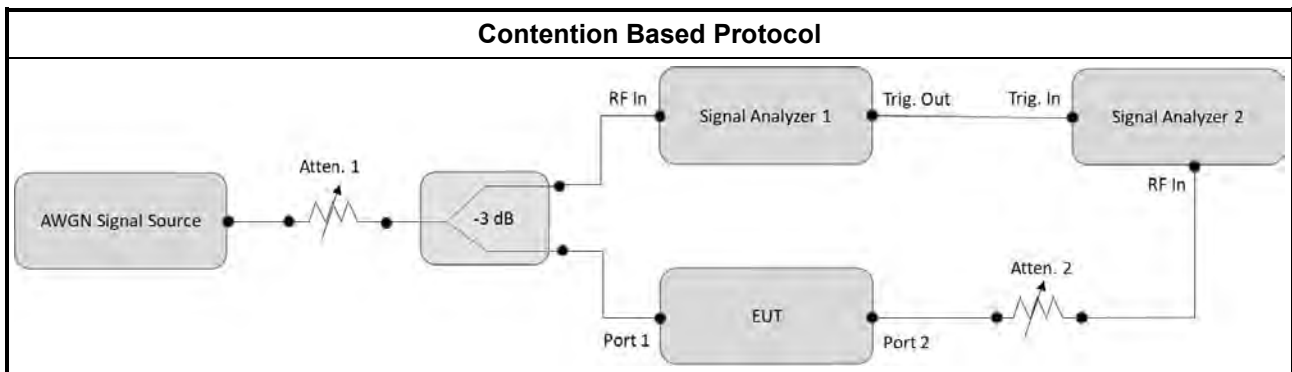
3.6.2 Measuring Instruments

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

3.6.3 Test Procedures

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

3.6.4 Test Setup



3.6.5 Test Result of Contention Based Protocol

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 22, 2022	Feb. 21, 2023	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 09, 2022	Feb. 08, 2023	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 12, 2022	Apr. 11, 2023	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 10, 2022	Feb. 09, 2023	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	May 14, 2022	May 13, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH03-CB	30 MHz ~ 1 GHz	Jan. 26, 2022	Jan. 25, 2023	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH03-CB	1GHz ~18GHz 3m	May 05, 2022	May 04, 2023	Radiation (03CH03-CB)
Bilog Antenna with 6 dB attenuator	Schaffner & EMC I	CBL6112B & N-6-06	2928 & AT-N0608	20MHz ~ 2GHz	Feb. 21, 2022	Feb. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	ETS · Lindgren	3115	6821	750MHz~18GHz	Jan. 21, 2022	Jan. 20, 2023	Radiation (03CH03-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8447D	2944A10259	9kHz ~ 1.3GHz	Jan. 10, 2022	Jan. 09, 2023	Radiation (03CH03-CB)
Pre-Amplifier	Agilent	8449B	3008A02097	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH03-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH03-CB)
Spectrum Analyzer	R&S	FSP40	100019	9kHz ~ 40GHz	Jun. 10, 2022	Jun. 09, 2023	Radiation (03CH03-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH03-CB)
RF Cable-low	Woken	RG402	Low Cable-02+29	30MHz ~ 1GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-20+29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
RF Cable-high	Woken	RG402	High Cable-29	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH03-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH03-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH06-CB	1GHz ~18GHz 3m	Sep. 30, 2022	Sep. 29, 2023	Radiation (03CH06-CB)
Horn Antenna	SCHWARZBECK	BBHA9120D	BBHA 9120D-1292	1GHz~18GHz	Aug. 09, 2022	Aug. 08, 2023	Radiation (03CH06-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	83017A	MY53270064	0.5GHz ~ 26.5GHz	Aug 02, 2022	Aug 01, 2023	Radiation (03CH06-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH06-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 26, 2022	Apr. 25, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-68	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
RF Cable-high	Woken	RG402	High Cable-05+67	1GHz~18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH06-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 26, 2022	Mar. 25, 2023	Radiation (03CH02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	EM	EM18G40GA	060874	18GHz ~ 40GHz	Aug. 23 2022	Aug. 22 2023	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSP40	100056	9kHz ~ 40GHz	May 06, 2022	May 05, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 08, 2021	Dec. 07, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#7	1GHz ~ 40 GHz	Dec. 14, 2021	Dec. 13, 2022	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
Spectrum Analyzer	R&S	FSV40	101025	9kHz ~ 40GHz	Oct. 28, 2022	Oct. 27, 2023	Conducted (DF02-CB)
Vector Signal generator	R&S	SMW200A	109426	100kHz- 7.5GHz	Dec. 28, 2021	Dec. 27, 2022	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -05	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -06	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -07	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Power Divider	STI	2 Way	DV-2way -08	1GHz ~ 8GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-60	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-61	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-62	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-63	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
RF Cable-high	Woken	RG402	High Cable-66	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (DF02-CB)
100MS/s Digitizer	N.I	USB-5133	F33411	N/A	Feb. 15, 2022	Feb. 14, 2023	Conducted (DF02-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Jan. 07, 2022	Jan. 06, 2023	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1531344	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1728002	300MHz~40GHz	Jul. 31, 2022	Jul. 30, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-11	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-12	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-13	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz –18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 GHz –26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH03-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH03-CB)

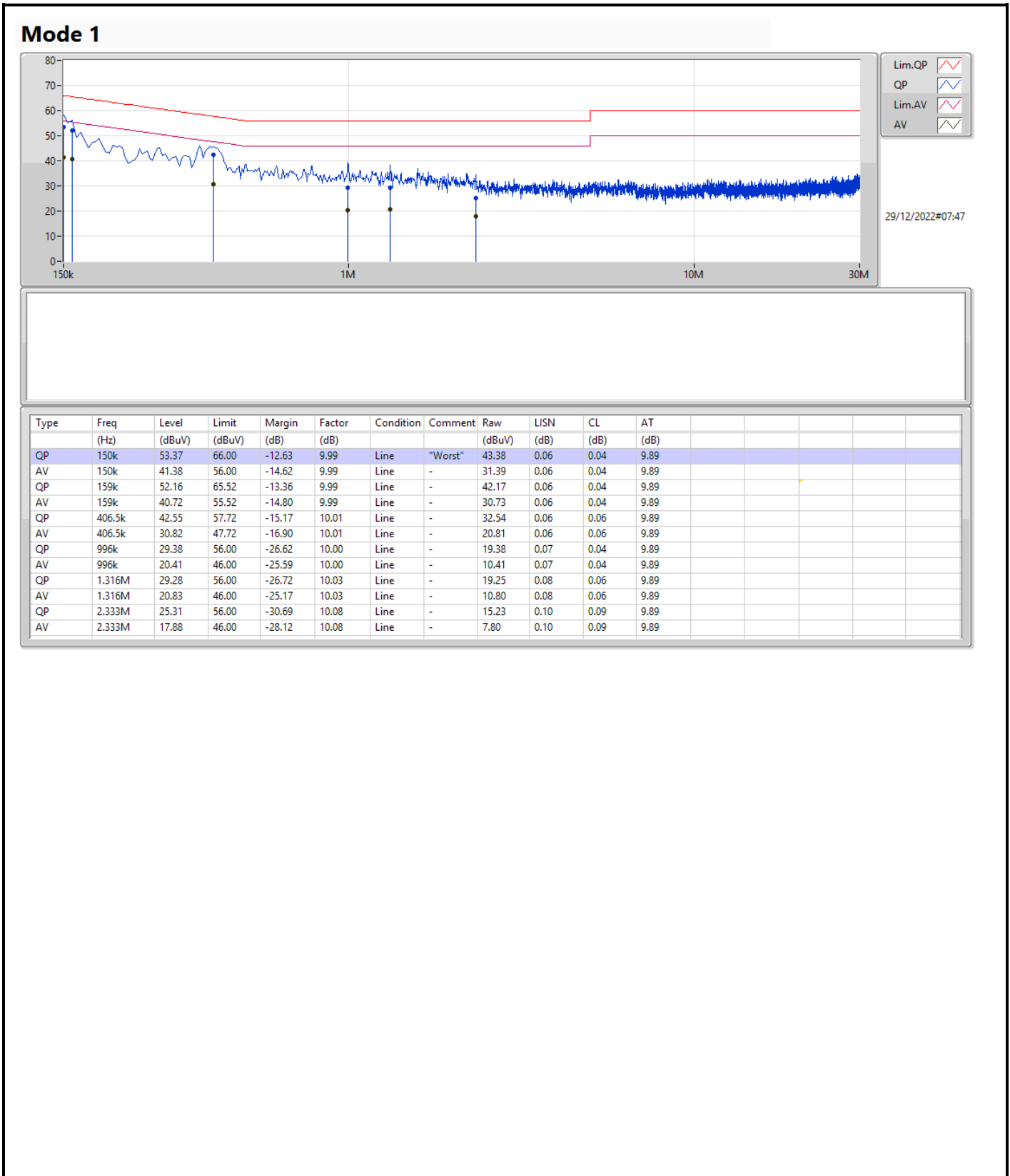
Note: Calibration Interval of instruments listed above is one year.

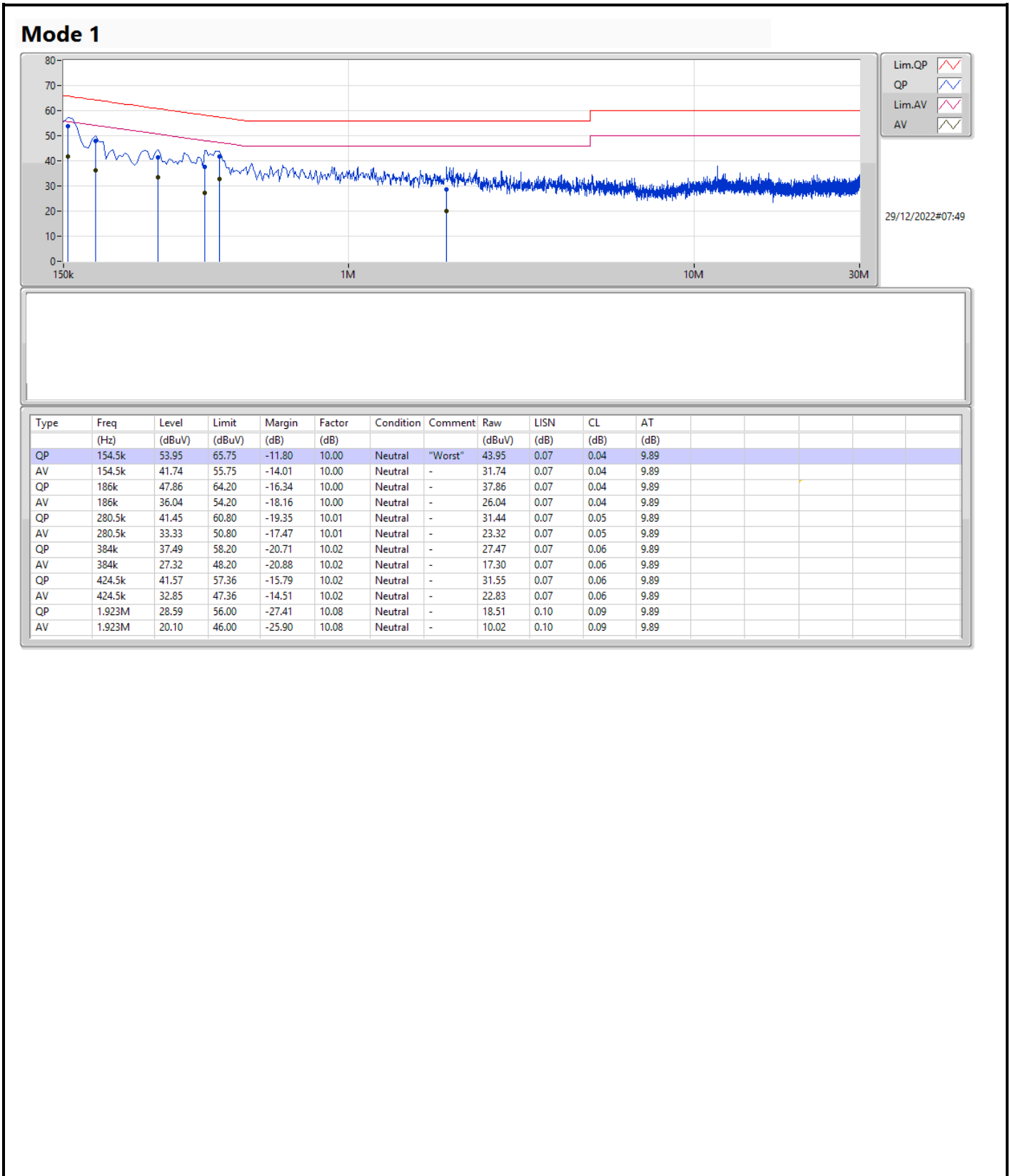
NCR means Non-Calibration required.



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.5k	53.95	65.75	-11.80	Neutral





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.78M	19.1M	19M1D1D	21.39M	18.954M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.14M	37.613M	37M6D1D	39.72M	37.496M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.84M	76.99M	77MOD1D	81M	76.637M
802.11ax HEW160_Nss1,(MCS0)_4TX	239.76M	155.39M	155MD1D	164.64M	154.449M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.78M	19.1M	19M1D1D	21.42M	18.983M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.2M	37.601M	37M6D1D	39.84M	37.437M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.84M	76.882M	76M9D1D	81.12M	76.754M
802.11ax HEW160_Nss1,(MCS0)_4TX	166.8M	155.202M	155MD1D	164.88M	154.963M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.75M	19.13M	19M1D1D	21.51M	18.983M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.26M	37.601M	37M6D1D	39.78M	37.481M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.84M	76.882M	76M9D1D	81.12M	76.754M
802.11ax HEW160_Nss1,(MCS0)_4TX	166.56M	155.202M	155MD1D	164.88M	154.919M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.81M	19.1M	19M1D1D	21.45M	18.983M
802.11ax HEW40_Nss1,(MCS0)_4TX	40.26M	37.613M	37M6D1D	39.78M	37.437M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.96M	76.872M	76M9D1D	81.12M	76.637M
802.11ax HEW160_Nss1,(MCS0)_4TX	165.84M	154.919M	155MD1D	165.12M	154.684M

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

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.63M	19.012M	21.51M	19.071M	21.75M	19.042M	21.75M	19.071M
6175MHz	Pass	Inf	21.6M	19.012M	21.6M	19.042M	21.39M	18.954M	21.63M	19.1M
6415MHz	Pass	Inf	21.69M	19.012M	21.51M	19.071M	21.78M	19.071M	21.78M	19.1M
6435MHz	Pass	Inf	21.63M	19.012M	21.6M	19.071M	21.69M	19.071M	21.69M	19.071M
6475MHz	Pass	Inf	21.63M	18.983M	21.57M	19.042M	21.75M	19.071M	21.66M	19.1M
6515MHz	Pass	Inf	21.66M	19.012M	21.42M	19.042M	21.69M	19.071M	21.78M	19.1M
6535MHz	Pass	Inf	21.69M	18.983M	21.66M	19.071M	21.66M	19.071M	21.69M	19.071M
6695MHz	Pass	Inf	21.51M	19.012M	21.63M	19.042M	21.69M	19.042M	21.75M	19.042M
6855MHz	Pass	Inf	21.63M	18.983M	21.54M	19.012M	21.69M	19.042M	21.69M	19.1M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	21.63M	19.01M	21.6M	19.01M	21.69M	19.04M	21.75M	19.13M
6895MHz	Pass	Inf	21.54M	19.012M	21.51M	18.983M	21.66M	19.071M	21.69M	19.042M
6995MHz	Pass	Inf	21.69M	18.983M	21.54M	19.042M	21.45M	19.071M	21.81M	19.1M
7095MHz	Pass	Inf	21.72M	19.012M	21.51M	19.042M	21.75M	19.071M	21.6M	19.1M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.14M	37.496M	39.84M	37.496M	39.96M	37.496M	40.08M	37.496M
6165MHz	Pass	Inf	40.08M	37.496M	39.72M	37.496M	39.72M	37.496M	40.14M	37.613M
6405MHz	Pass	Inf	40.02M	37.554M	39.84M	37.554M	40.02M	37.554M	40.14M	37.554M
6445MHz	Pass	Inf	40.08M	37.437M	39.9M	37.496M	39.96M	37.496M	40.02M	37.496M
6485MHz	Pass	Inf	40.08M	37.554M	40.02M	37.496M	39.96M	37.496M	40.02M	37.554M
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	40.2M	37.541M	39.84M	37.481M	39.96M	37.601M	39.9M	37.541M
6565MHz	Pass	Inf	40.2M	37.496M	39.84M	37.496M	39.9M	37.496M	40.08M	37.554M
6685MHz	Pass	Inf	40.02M	37.496M	39.78M	37.496M	40.02M	37.554M	40.08M	37.554M
6845MHz	Pass	Inf	40.14M	37.496M	39.78M	37.554M	39.84M	37.496M	40.08M	37.554M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.2M	37.481M	39.78M	37.541M	39.96M	37.481M	40.26M	37.601M
6925MHz	Pass	Inf	40.26M	37.496M	39.78M	37.496M	39.96M	37.496M	40.14M	37.613M
7005MHz	Pass	Inf	40.02M	37.554M	39.78M	37.496M	40.02M	37.437M	40.08M	37.554M
7085MHz	Pass	Inf	40.2M	37.496M	39.78M	37.496M	39.84M	37.496M	40.14M	37.554M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.48M	76.754M	81.24M	76.637M	81.24M	76.754M	81.72M	76.637M
6145MHz	Pass	Inf	81.36M	76.872M	81M	76.872M	81M	76.637M	81.6M	76.99M
6385MHz	Pass	Inf	81.36M	76.872M	81M	76.754M	81.6M	76.754M	81.84M	76.754M
6465MHz	Pass	Inf	81.48M	76.754M	81.24M	76.872M	81.36M	76.754M	81.72M	76.754M
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	81.48M	76.762M	81.12M	76.762M	81.6M	76.762M	81.84M	76.882M
6625MHz	Pass	Inf	81.36M	76.754M	81.12M	76.754M	81.6M	76.872M	81.84M	76.754M
6705MHz	Pass	Inf	81.48M	76.754M	81.12M	76.872M	81.6M	76.872M	81.84M	76.872M
6785MHz	Pass	Inf	81.48M	76.754M	81.12M	76.872M	81.48M	76.872M	81.72M	76.872M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	81.36M	76.762M	81.12M	76.882M	81.48M	76.882M	81.84M	76.882M
6945MHz	Pass	Inf	81.48M	76.754M	81.12M	76.754M	81.72M	76.754M	81.84M	76.872M
7025MHz	Pass	Inf	81.36M	76.754M	81.36M	76.637M	81.6M	76.754M	81.96M	76.754M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	239.76M	155.39M	239.76M	155.39M	217.68M	154.919M	217.44M	154.684M
6185MHz	Pass	Inf	166.08M	154.919M	166.8M	155.154M	164.64M	154.449M	165.36M	155.154M
6345MHz	Pass	Inf	166.56M	155.154M	165.6M	154.684M	165.84M	154.919M	165.12M	154.684M
6505MHz Straddle 6.425-6.525GHz	Pass	Inf	166.8M	155.202M	166.56M	154.963M	164.88M	154.963M	165.84M	154.963M
6665MHz	Pass	Inf	165.84M	154.919M	166.32M	154.919M	165.84M	154.919M	165.6M	154.919M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	166.08M	154.963M	166.56M	155.202M	164.88M	155.202M	165.6M	154.963M
6985MHz	Pass	Inf	165.36M	154.919M	165.84M	154.919M	165.84M	154.684M	165.12M	154.684M

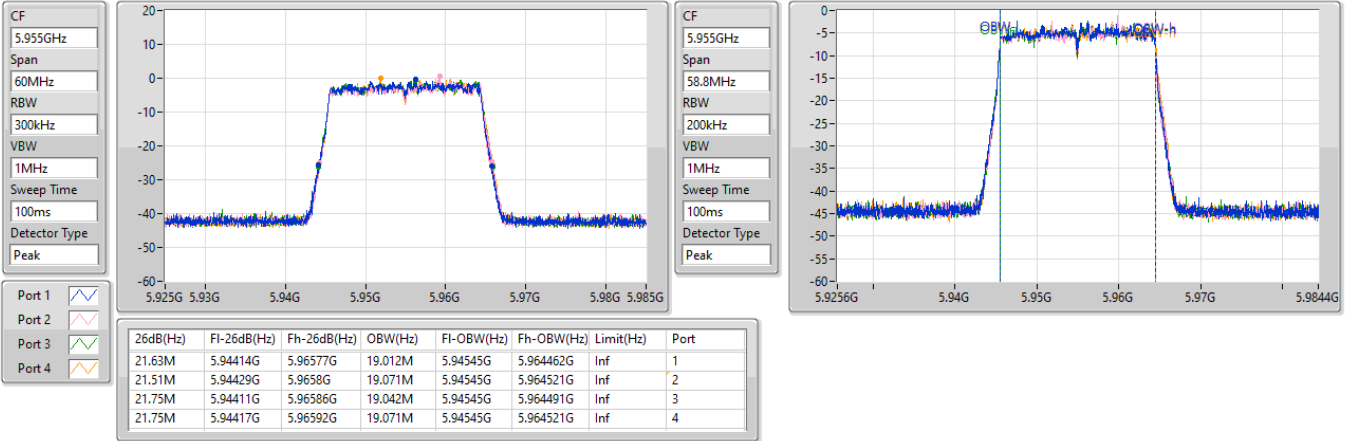
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
 Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5955MHz

22/11/2022

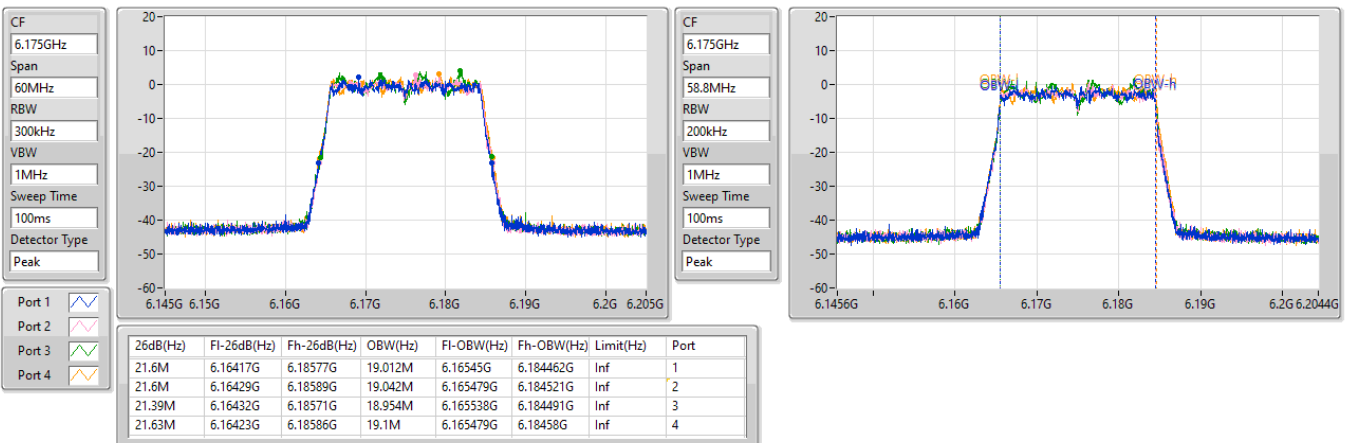


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6175MHz

22/11/2022

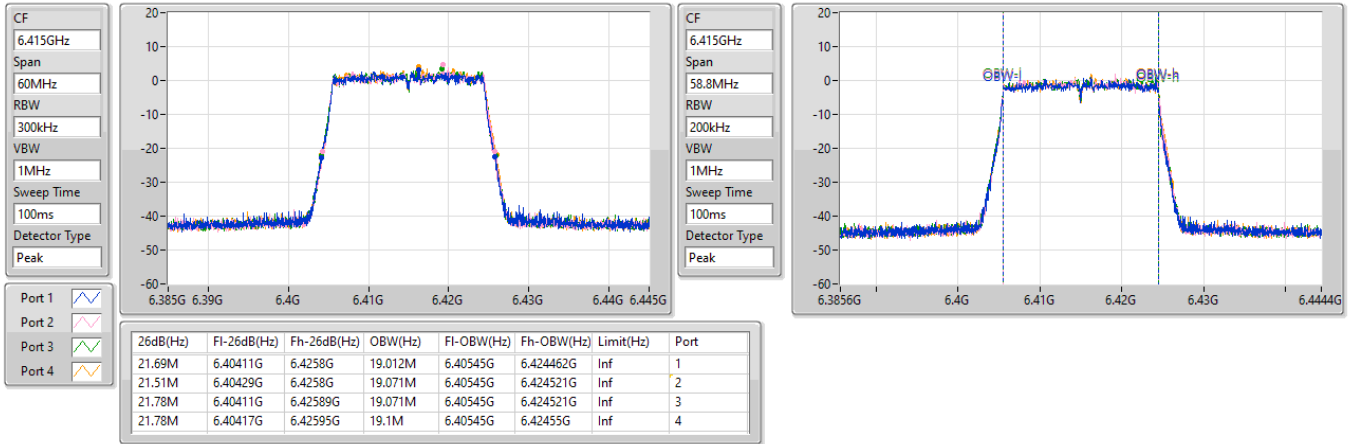


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6415MHz

22/11/2022

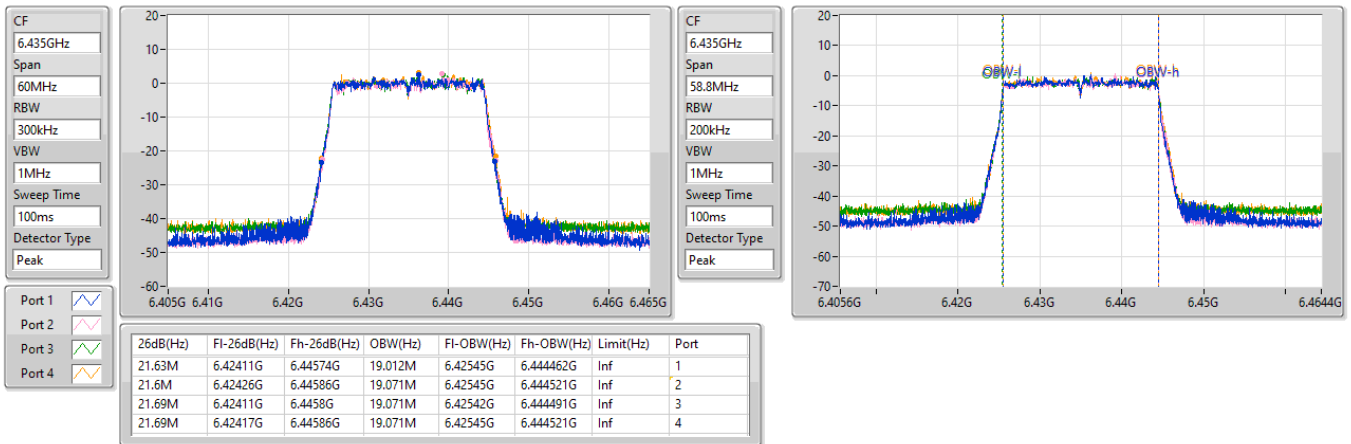


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6435MHz

22/11/2022

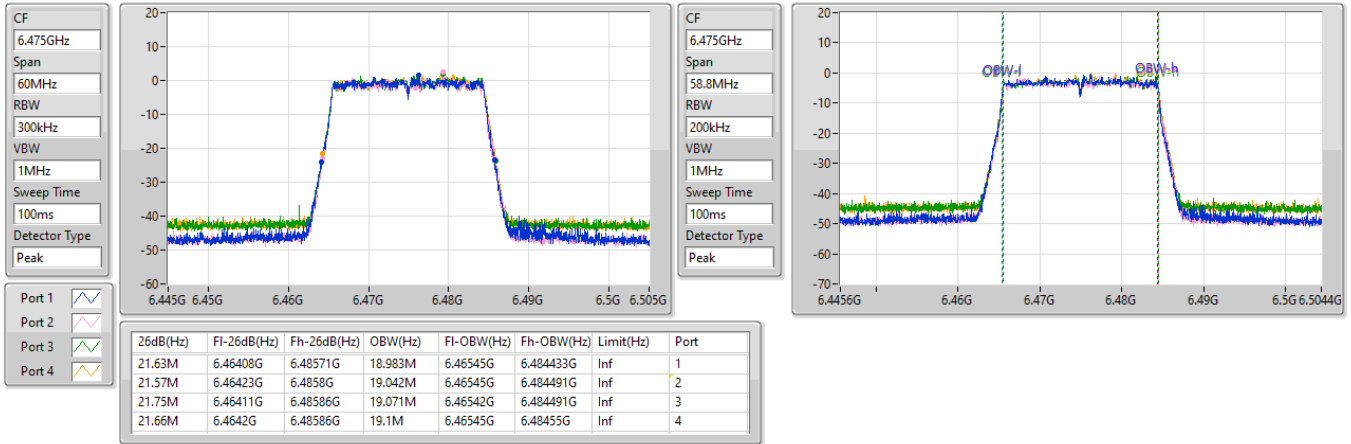


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6475MHz

22/11/2022

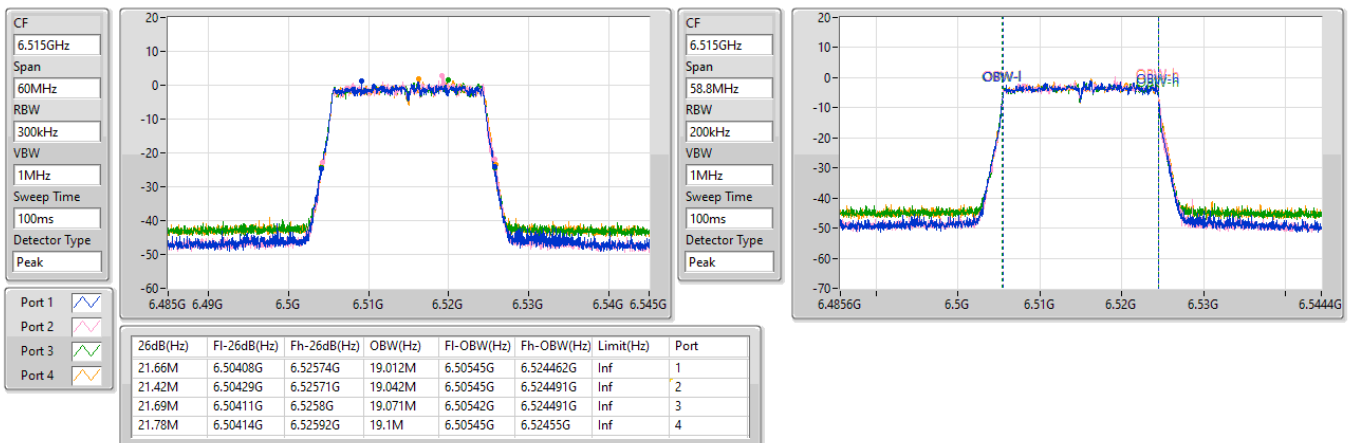


6.425-6.525GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6515MHz

22/11/2022

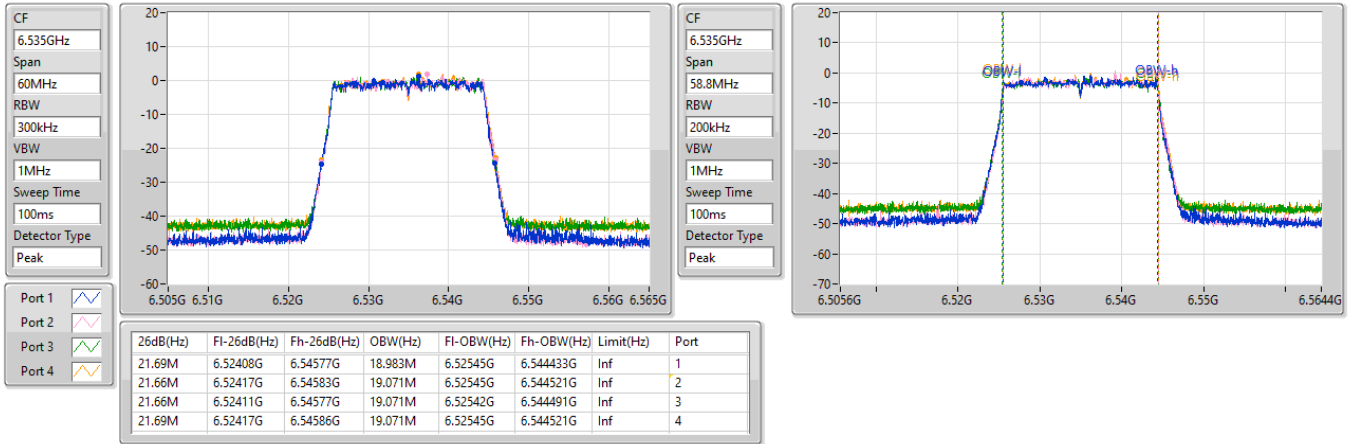


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6535MHz

22/11/2022

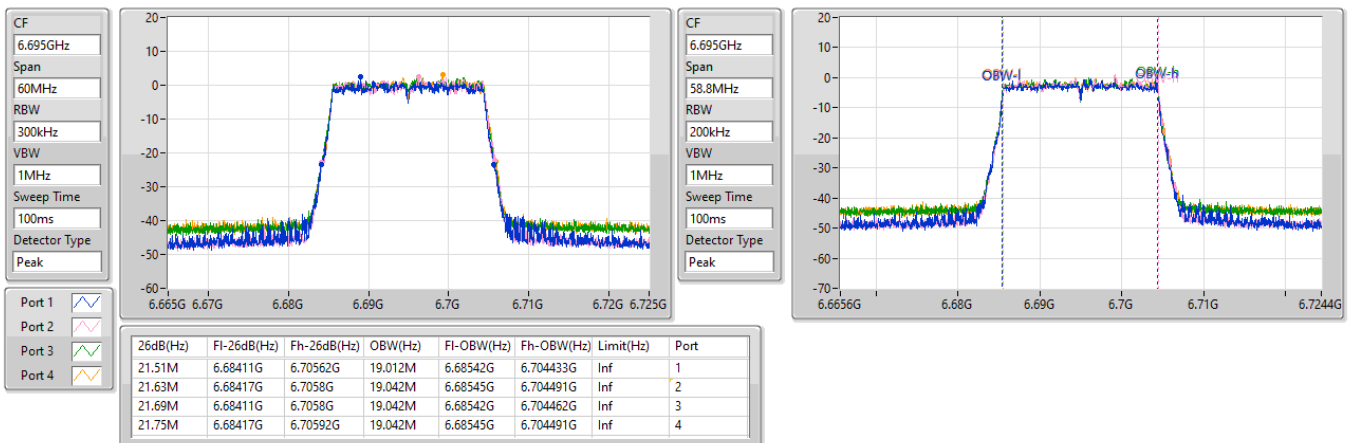


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6695MHz

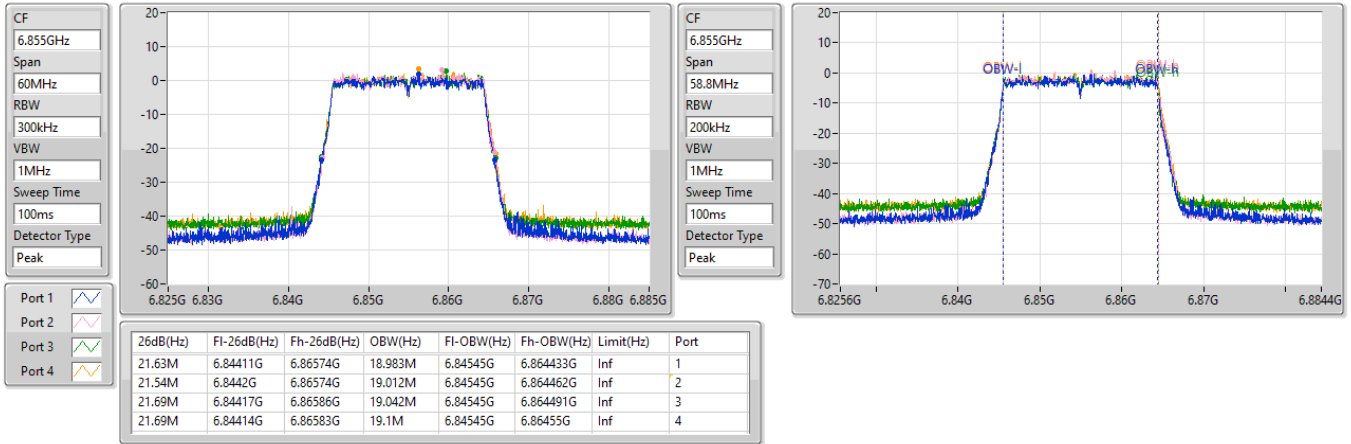
22/11/2022



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

EBW

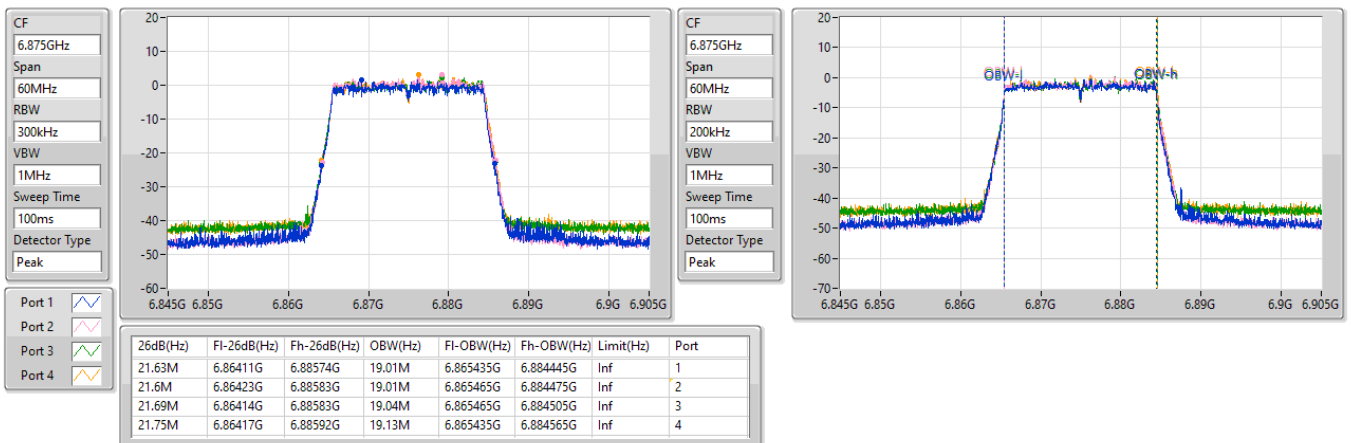
22/11/2022



6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6875MHz Straddle 6.525-6.875GHz

EBW

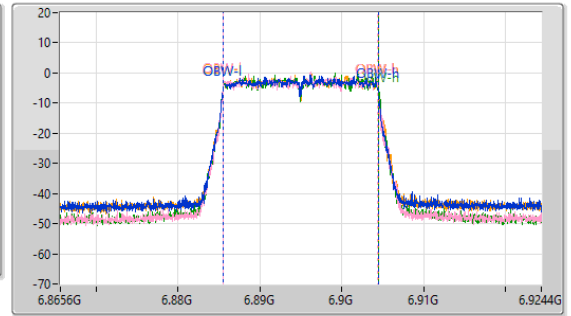
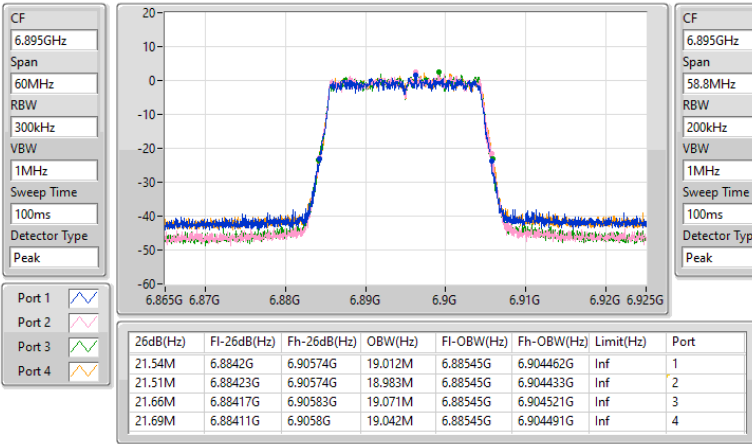
22/11/2022



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6895MHz

EBW

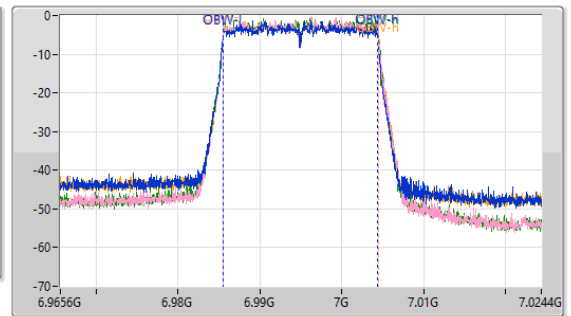
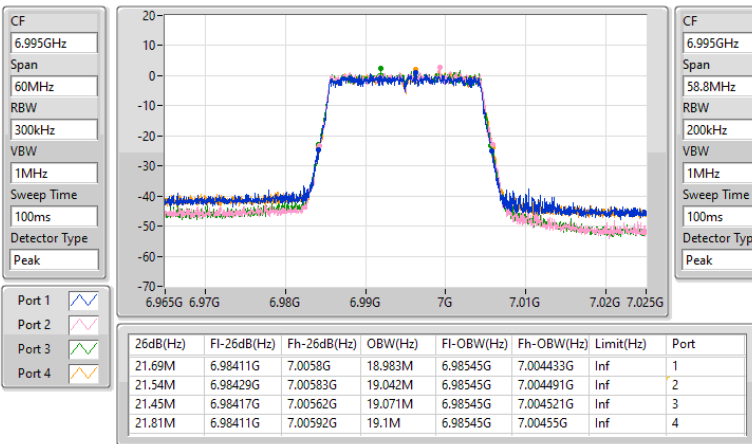
22/11/2022



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
6995MHz

EBW

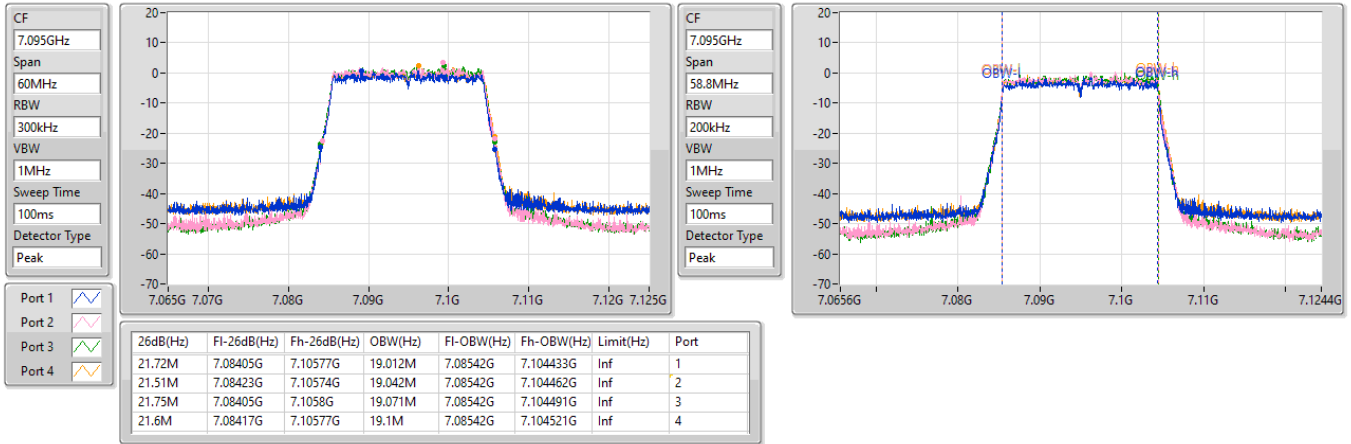
22/11/2022



6.875-7.125GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
7095MHz

EBW

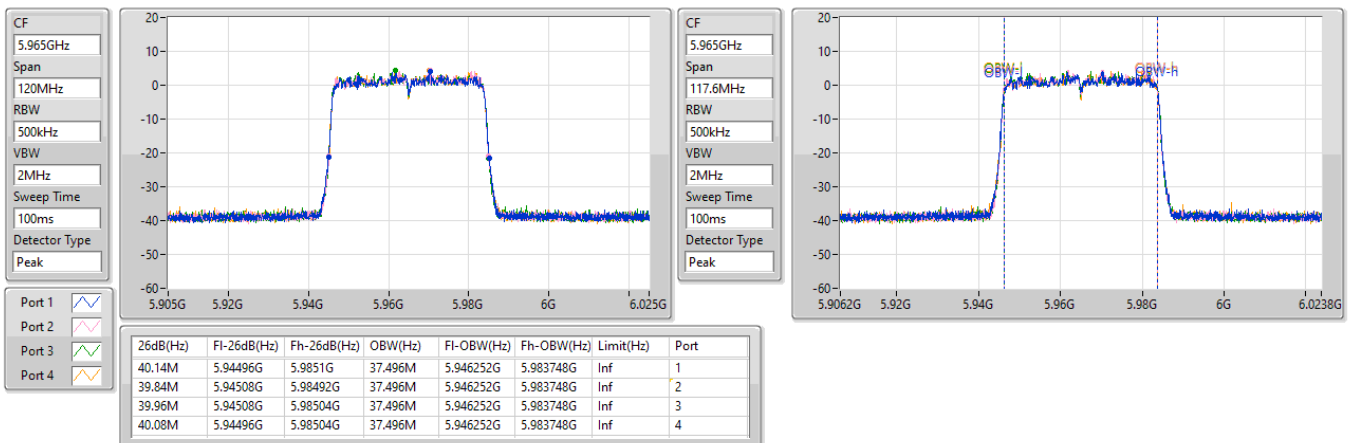
22/11/2022



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

EBW

23/11/2022

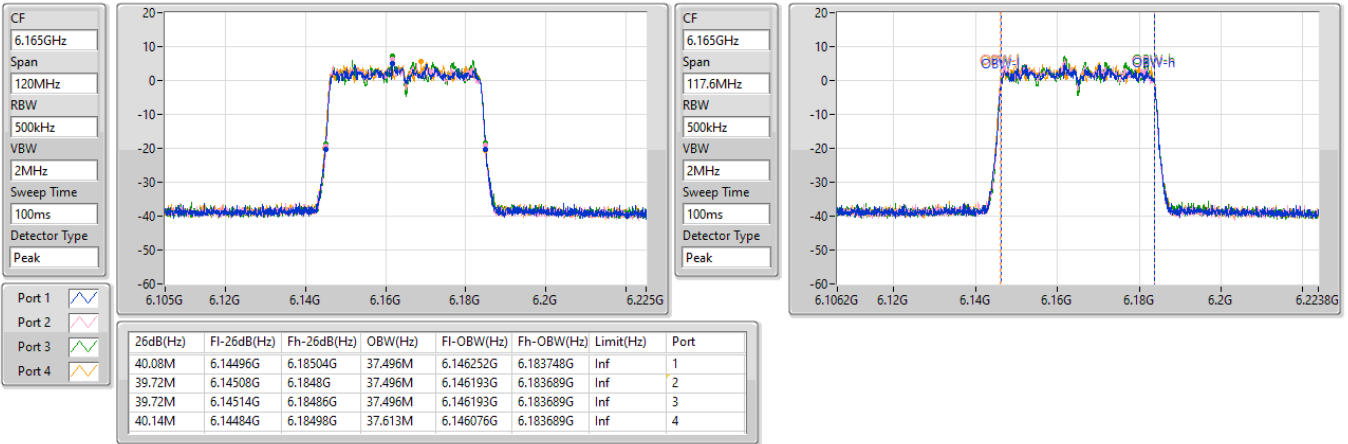


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6165MHz

23/11/2022

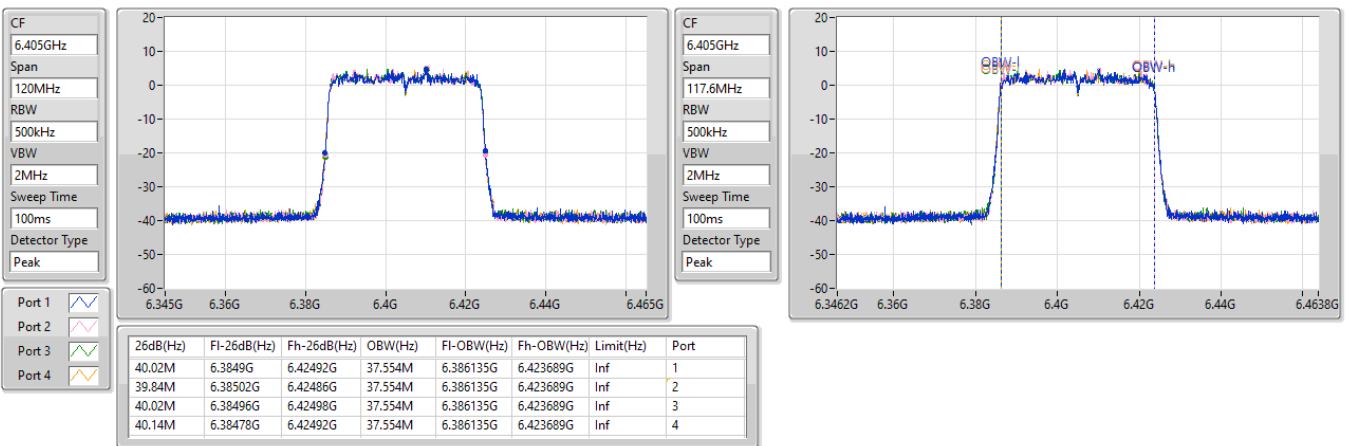


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6405MHz

23/11/2022

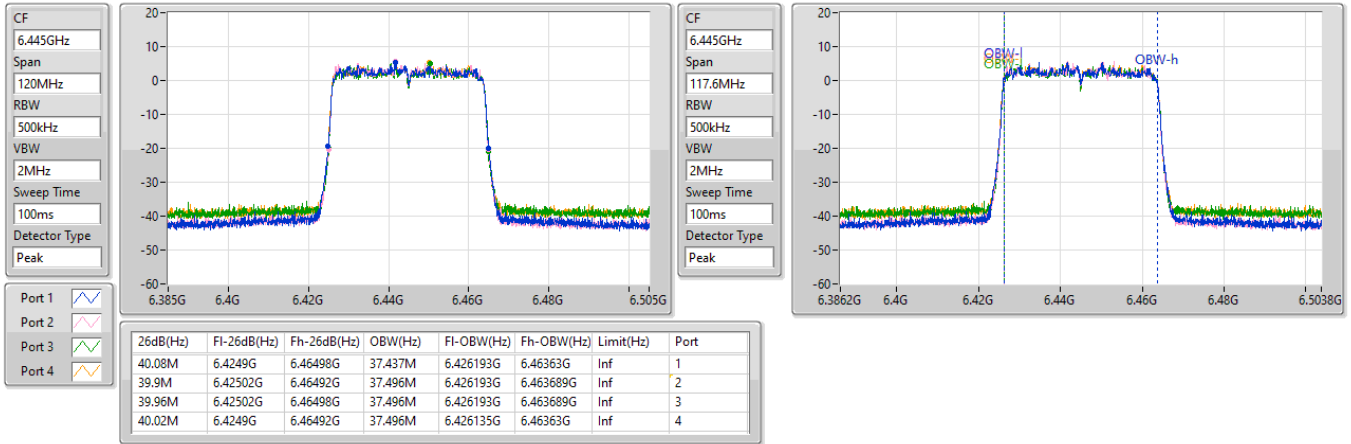


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6445MHz

23/11/2022

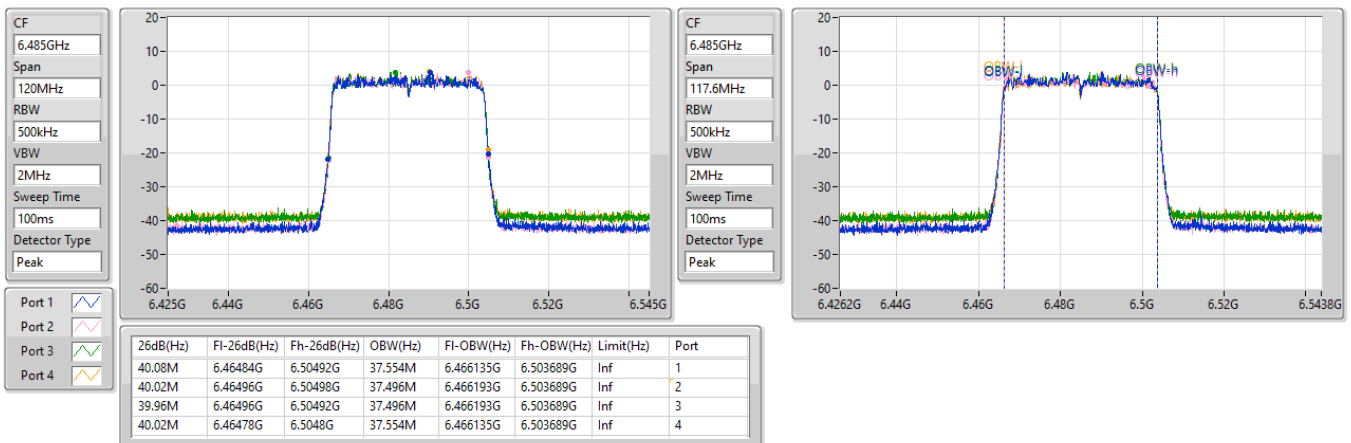


6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6485MHz

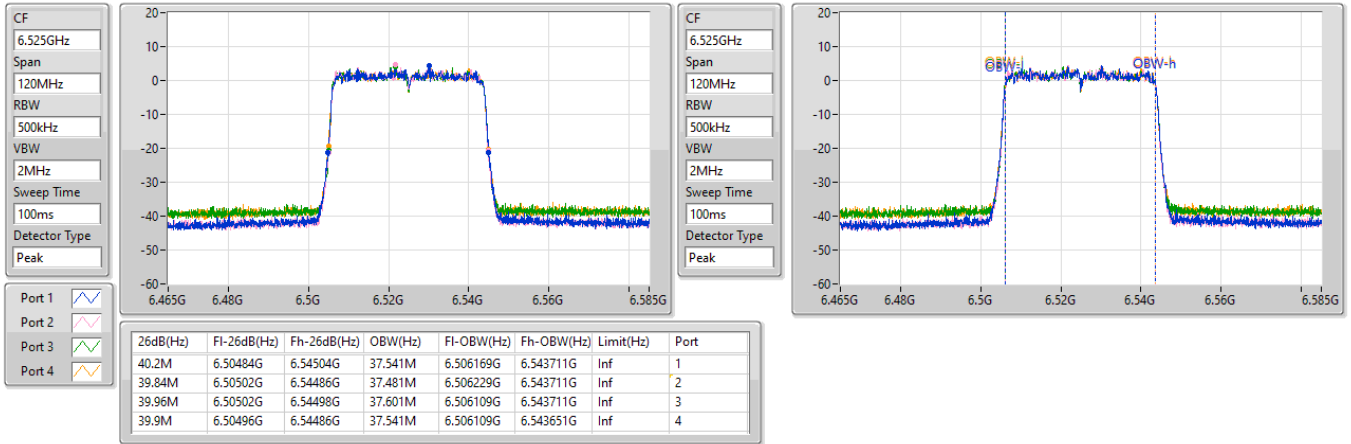
23/11/2022



6.425-6.525GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6525MHz Straddle 6.425-6.525GHz

EBW

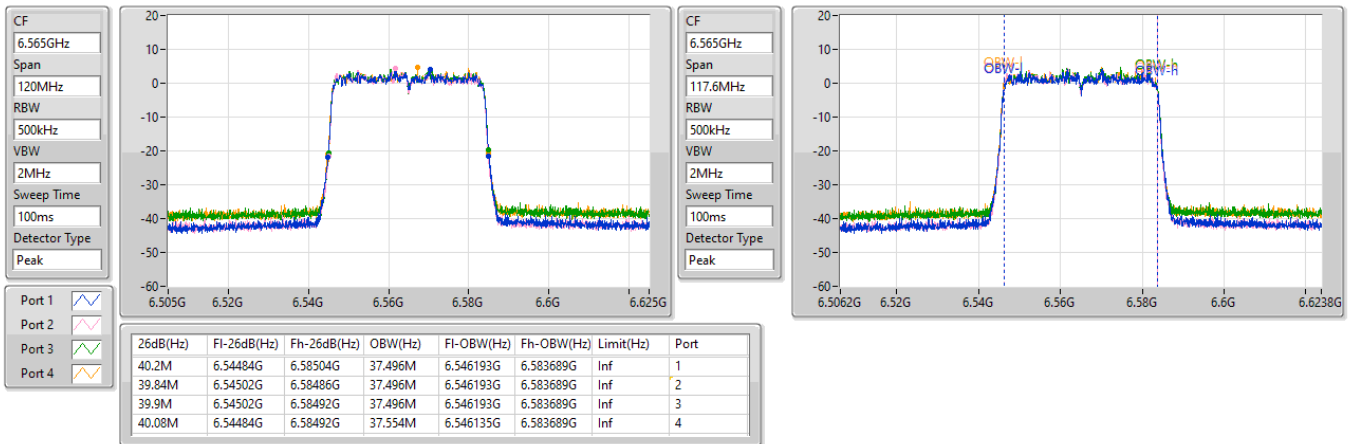
23/11/2022



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

EBW

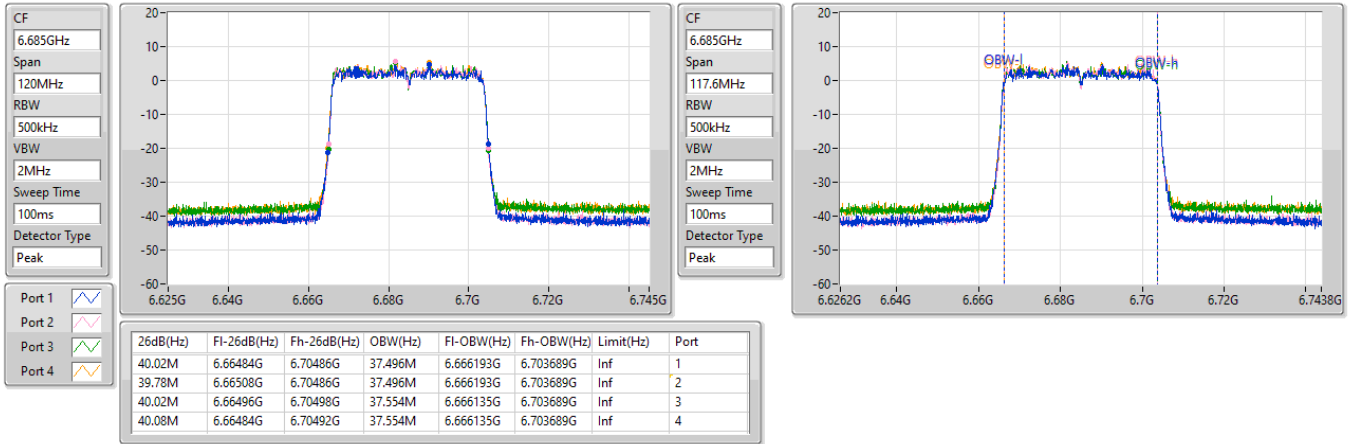
23/11/2022



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

EBW

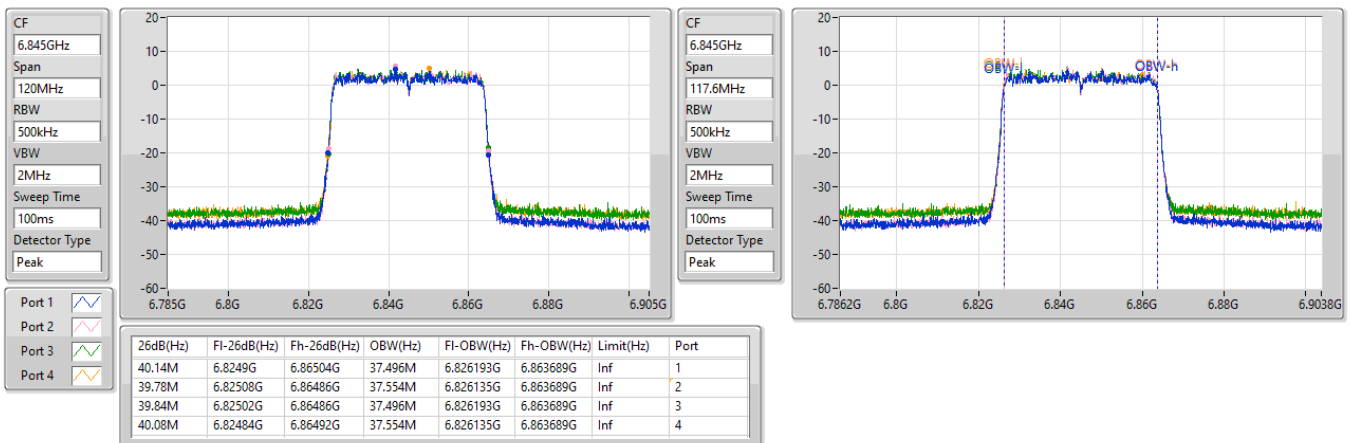
23/11/2022



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

EBW

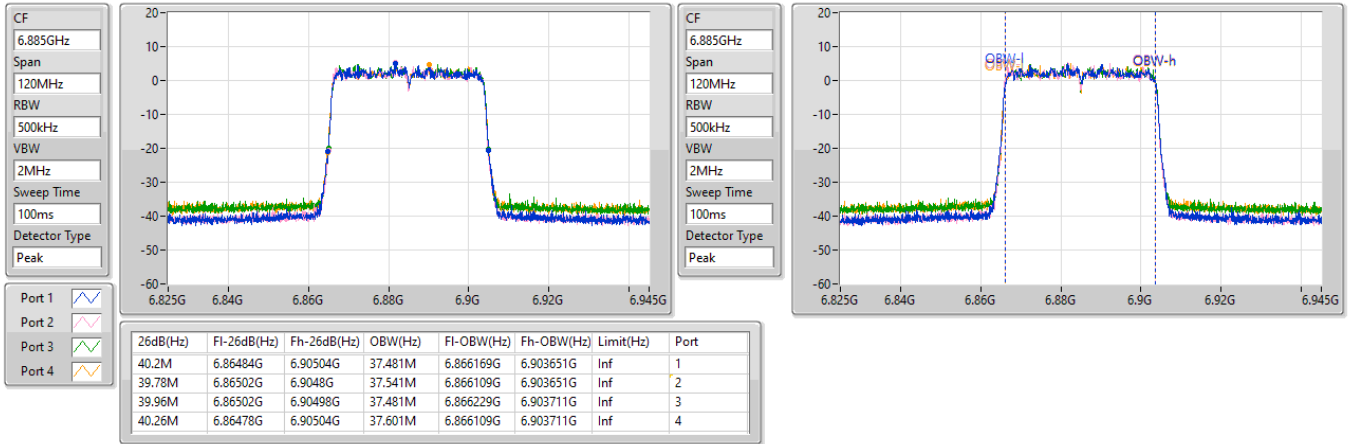
23/11/2022



6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6885MHz Straddle 6.525-6.875GHz

EBW

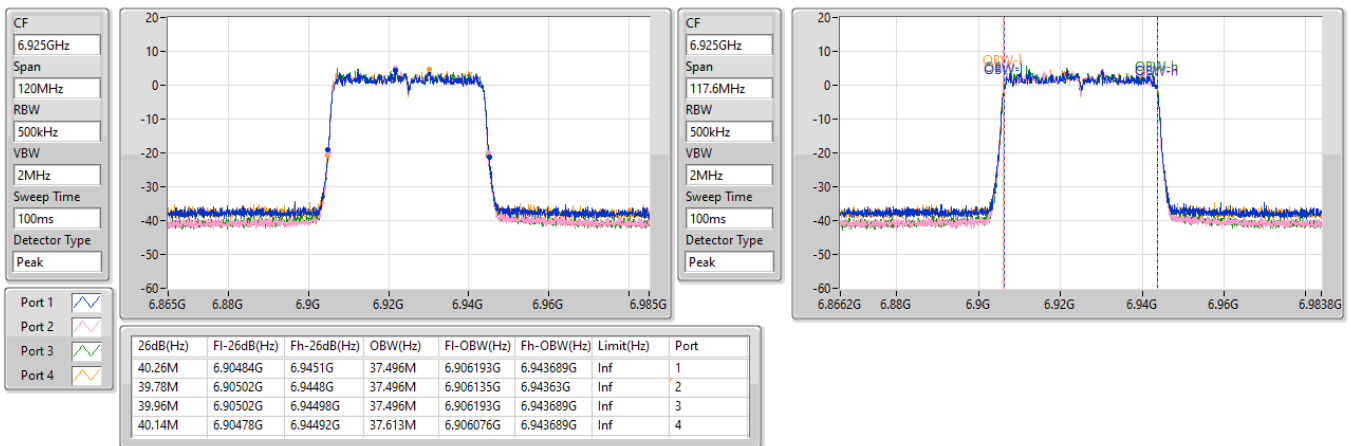
23/11/2022



6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
6925MHz

EBW

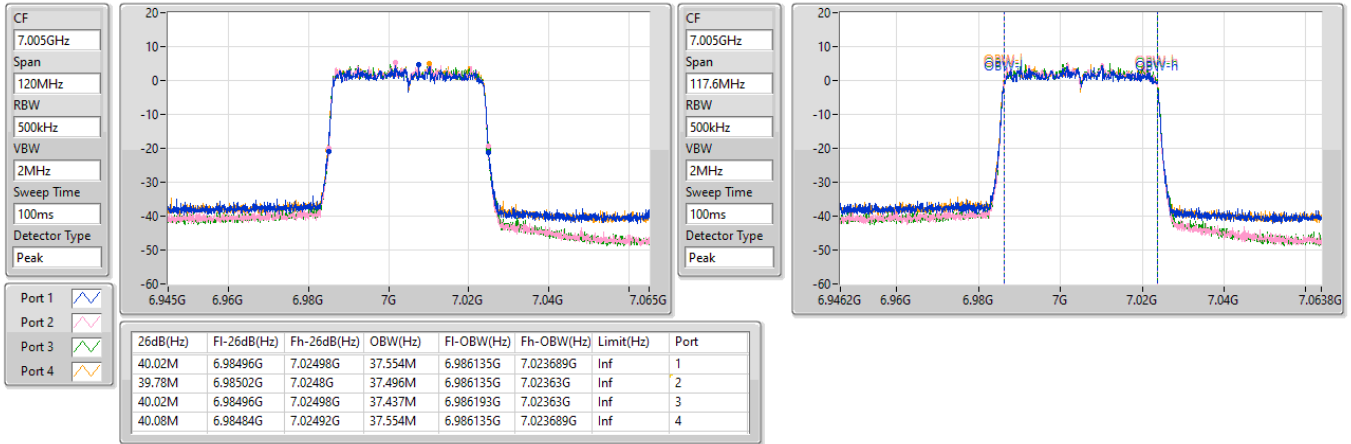
23/11/2022



6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
7005MHz

EBW

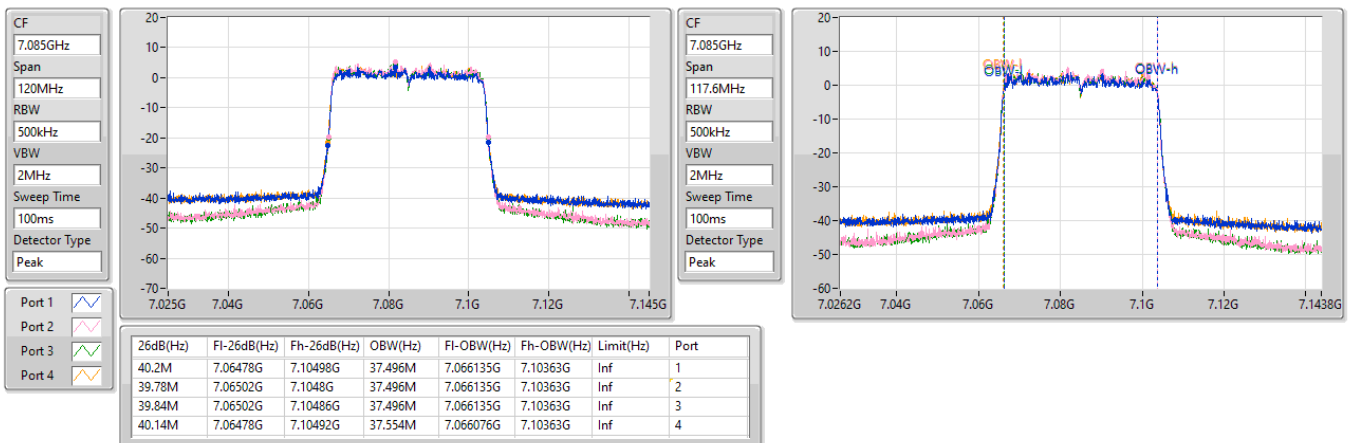
23/11/2022



6.875-7.125GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
7085MHz

EBW

23/11/2022

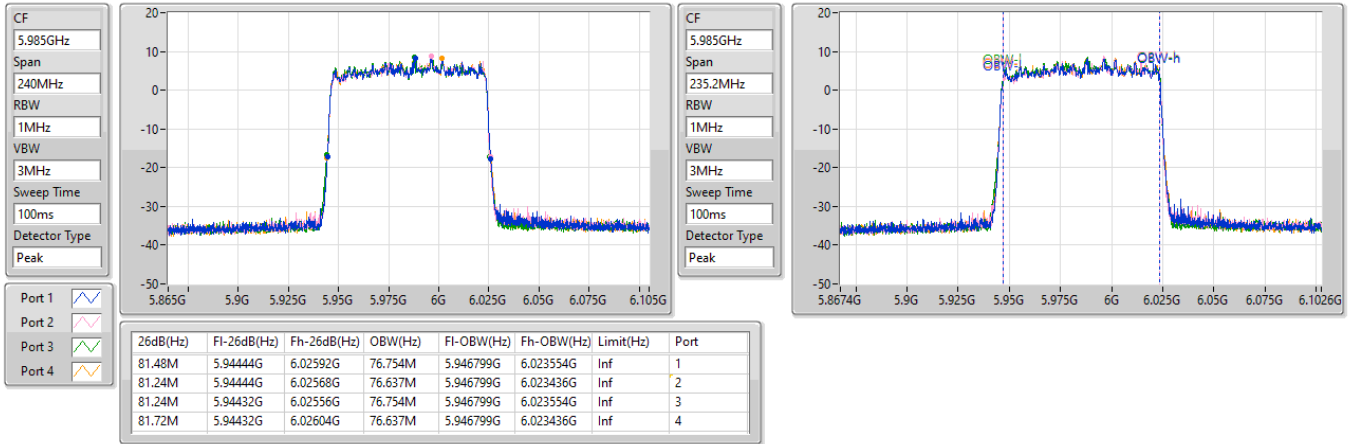


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5985MHz

23/11/2022

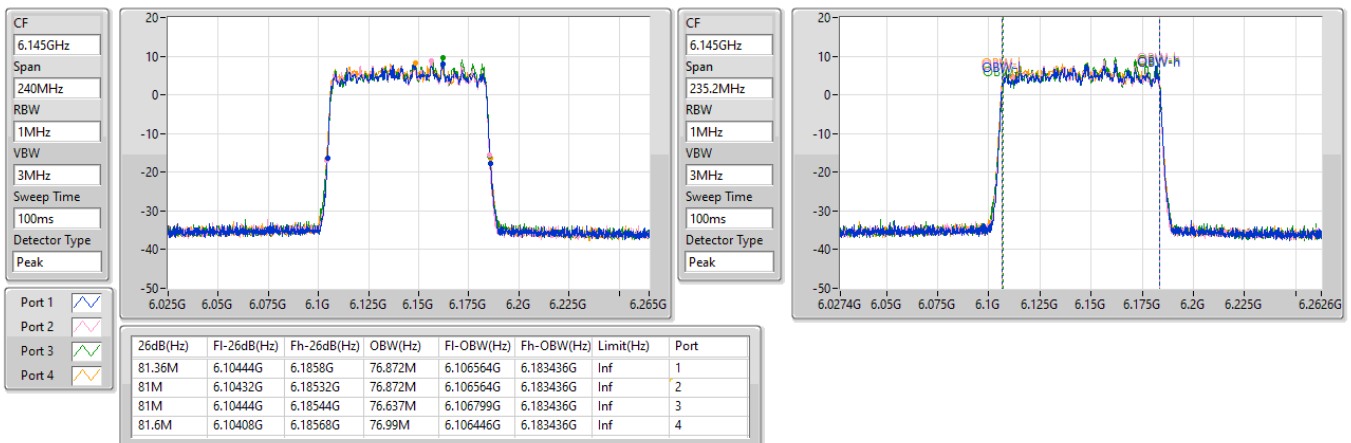


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6145MHz

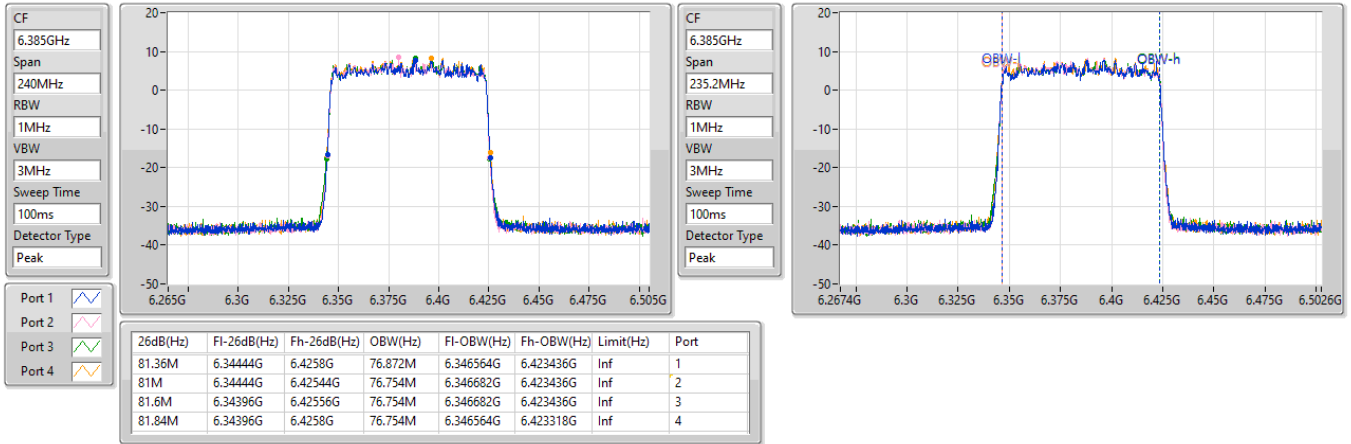
23/11/2022



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

EBW

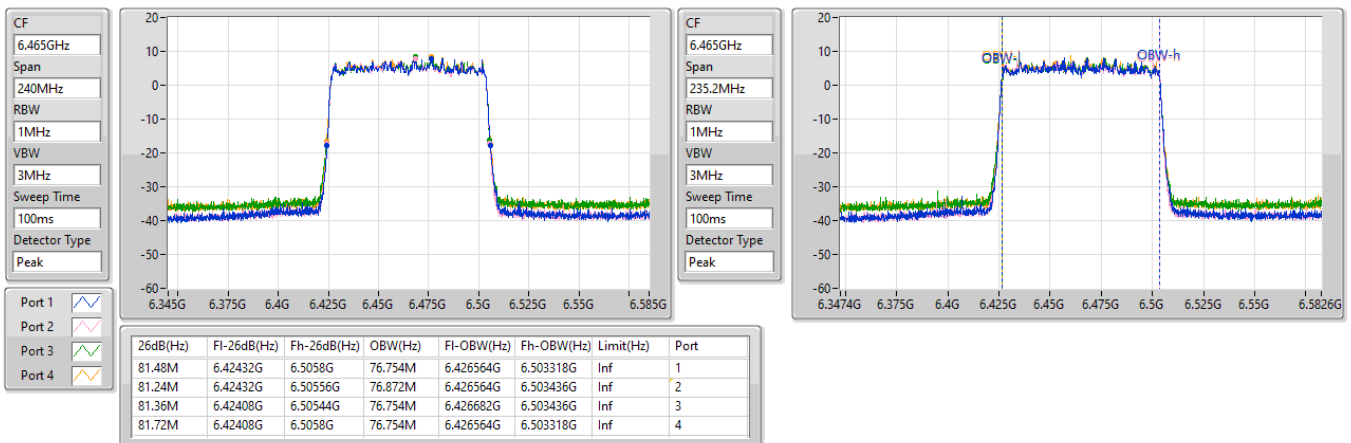
23/11/2022



6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6465MHz

EBW

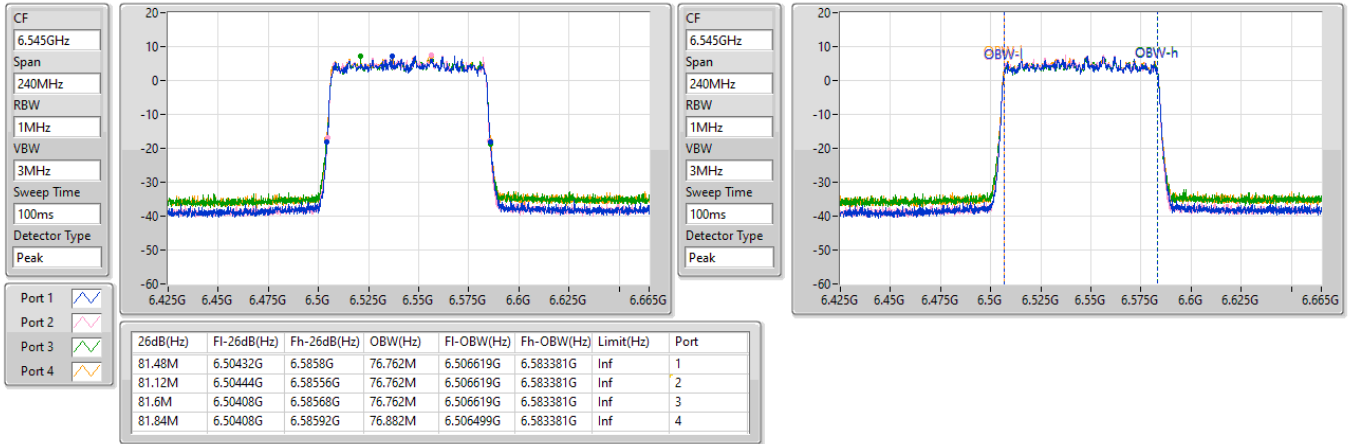
23/11/2022



6.425-6.525GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6545MHz Straddle 6.425-6.525GHz

EBW

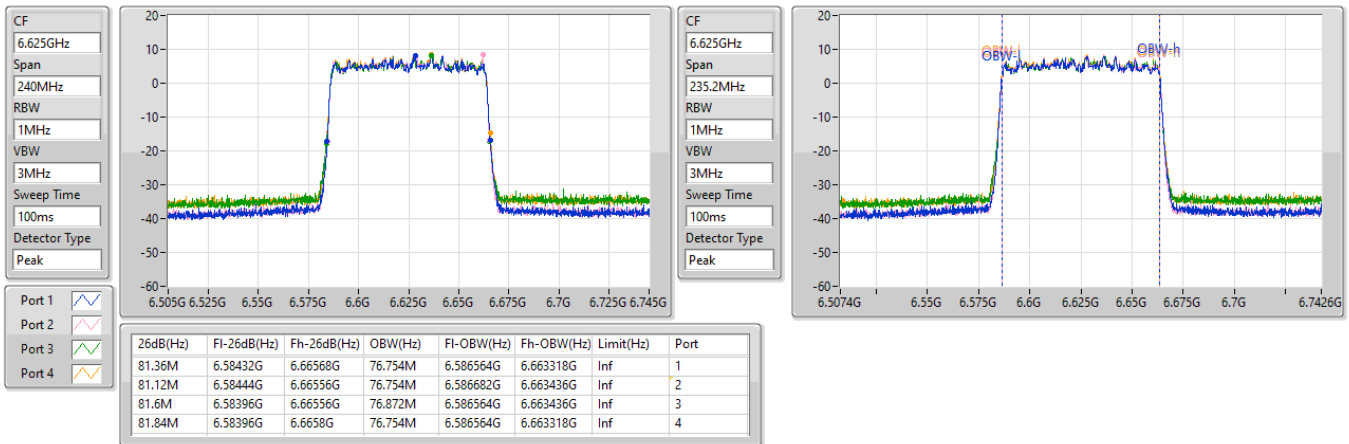
23/11/2022



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

EBW

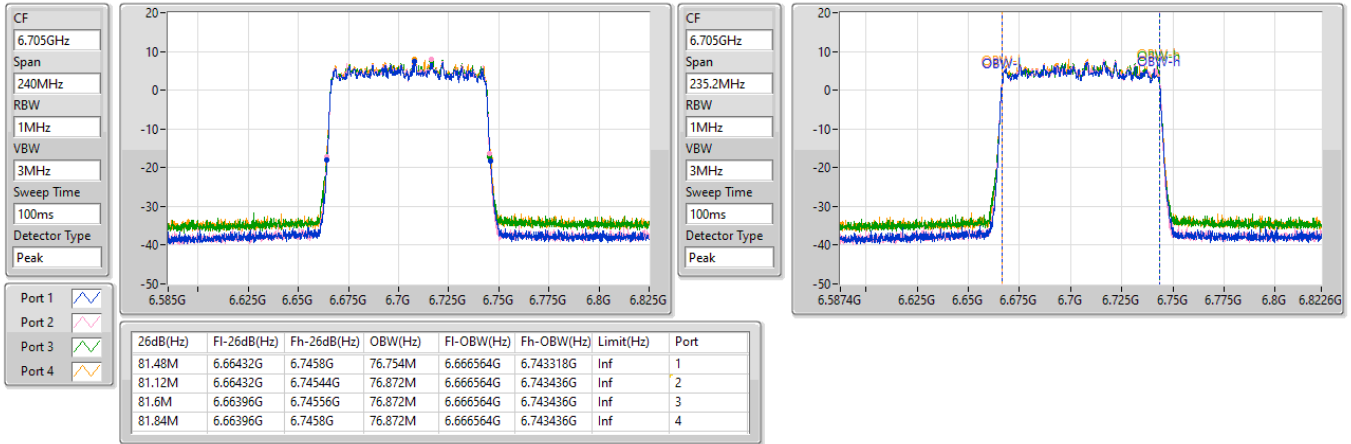
23/11/2022



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

EBW

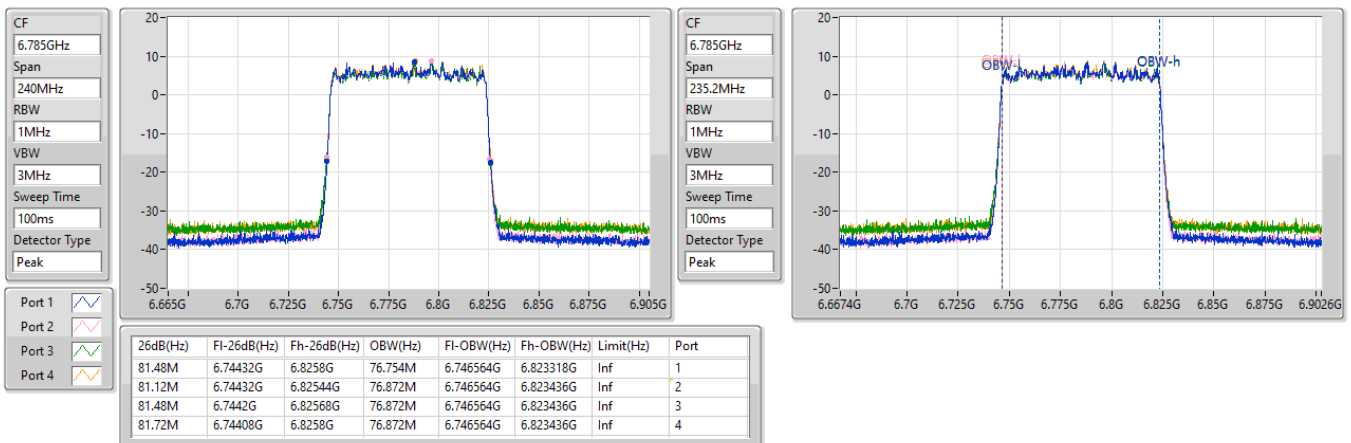
23/11/2022



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

EBW

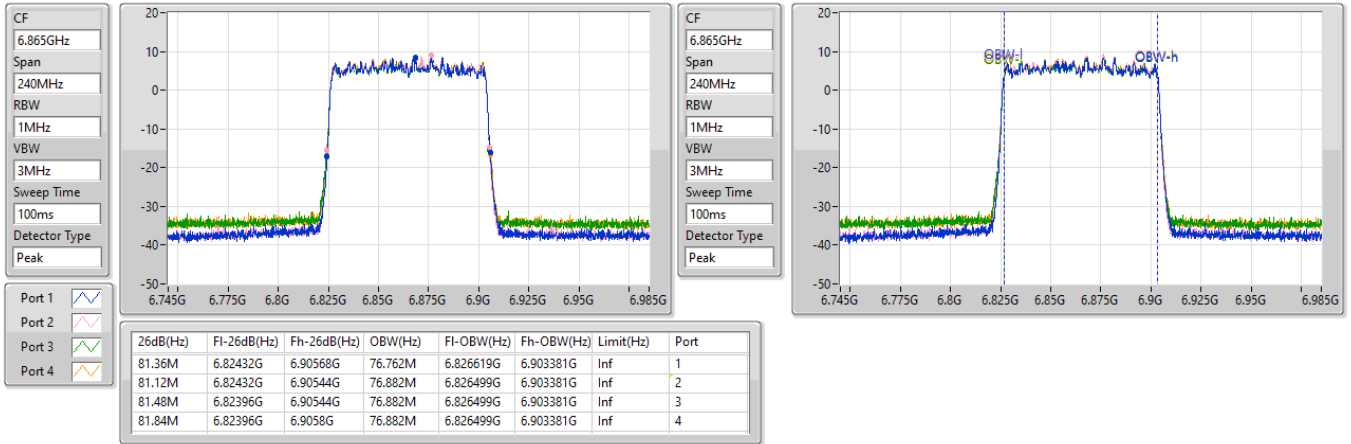
23/11/2022



6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6865MHz Straddle 6.525-6.875GHz

EBW

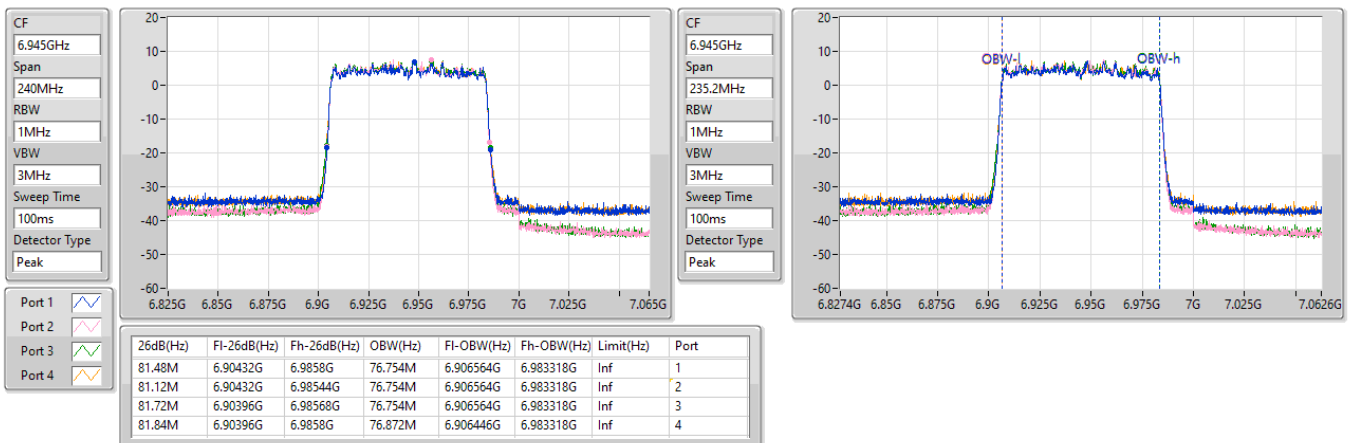
23/11/2022



6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
6945MHz

EBW

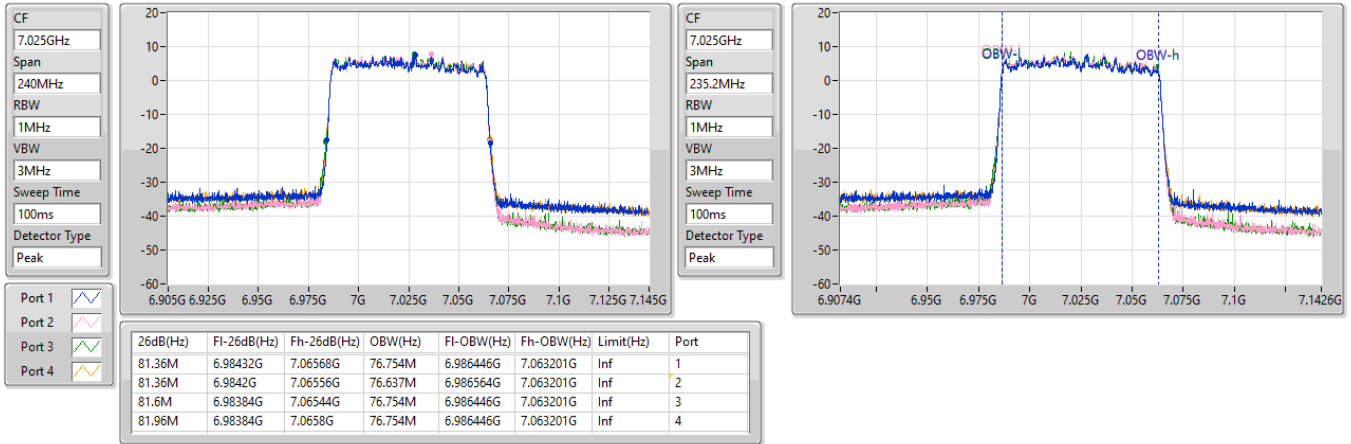
23/11/2022



6.875-7.125GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
7025MHz

EBW

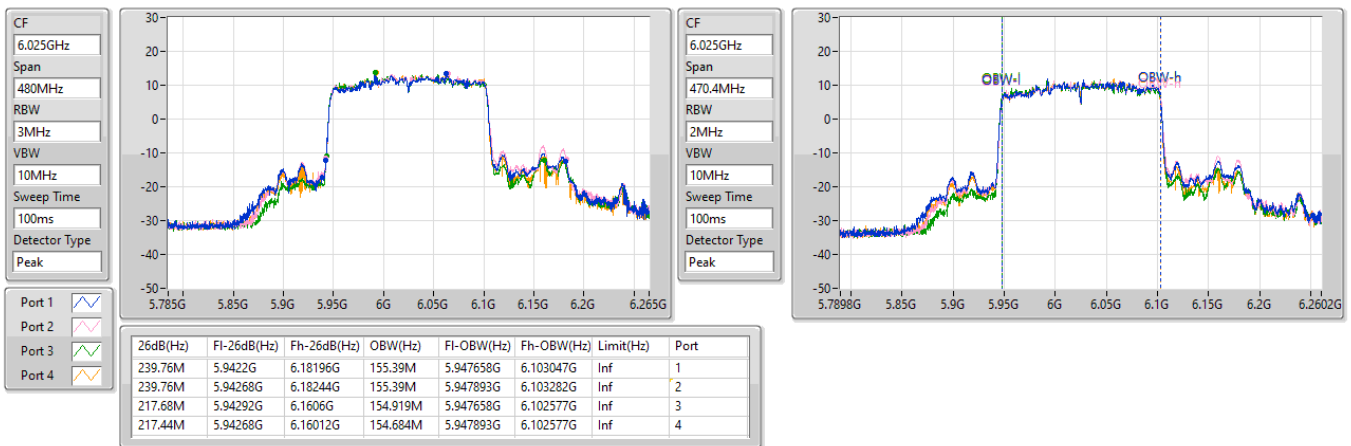
23/11/2022



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

EBW

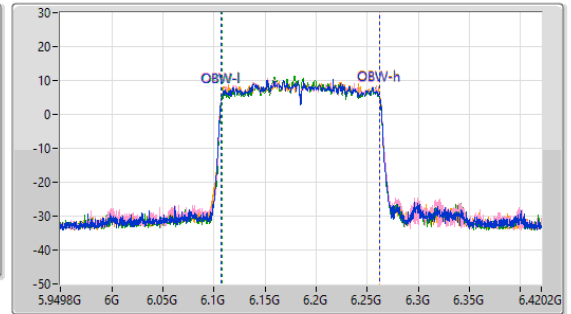
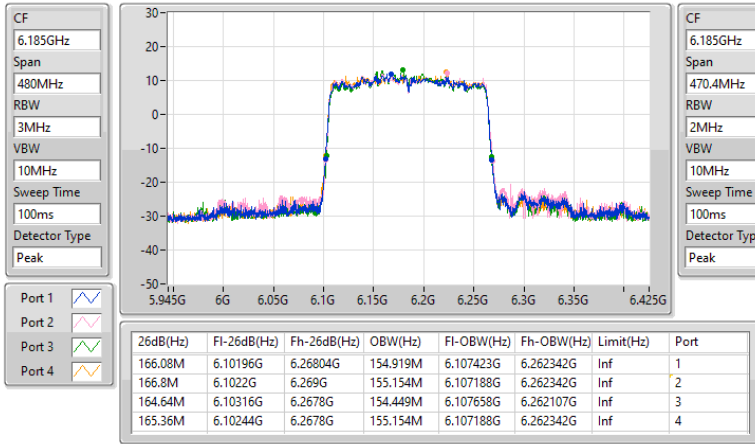
23/11/2022



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

EBW

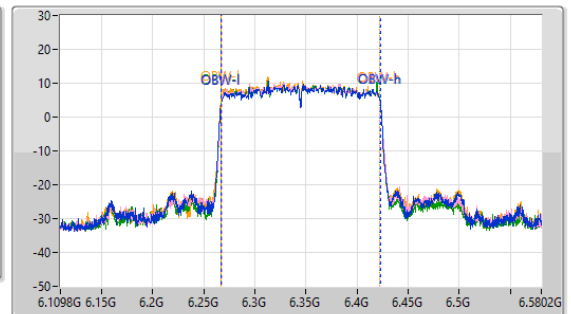
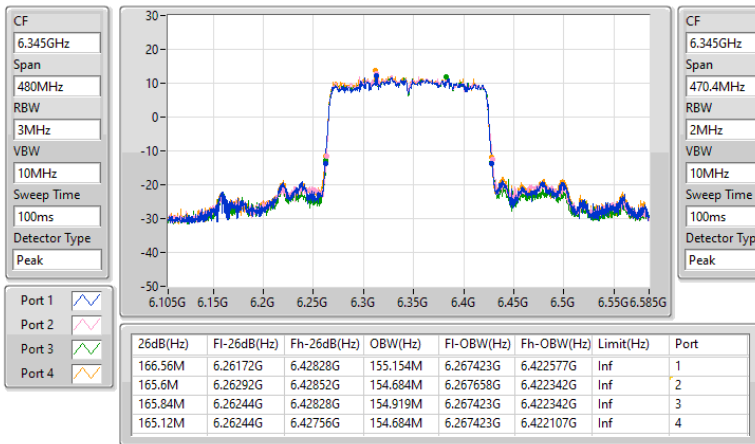
23/11/2022



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

EBW

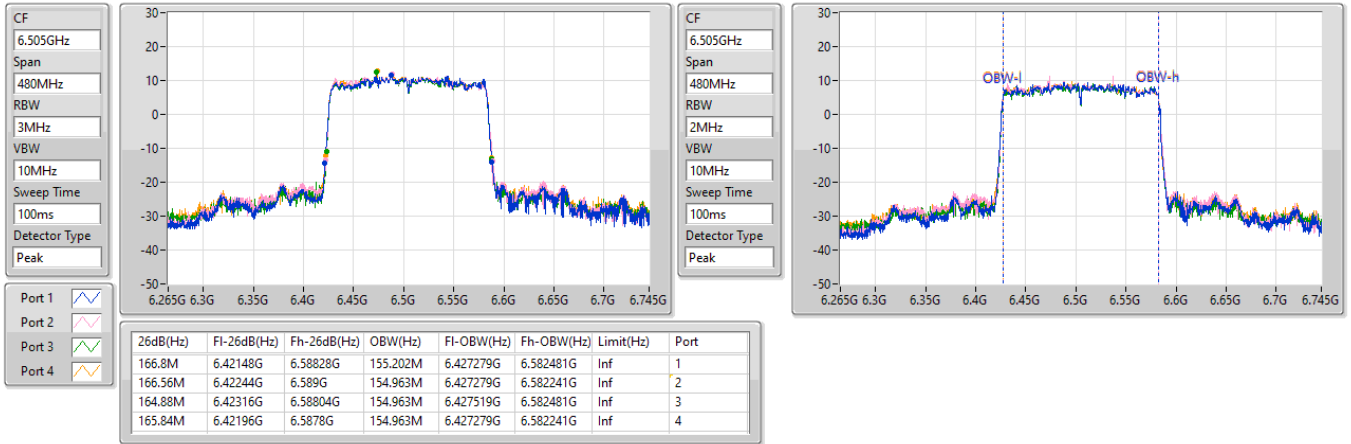
23/11/2022



6.425-6.525GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6505MHz Straddle 6.425-6.525GHz

EBW

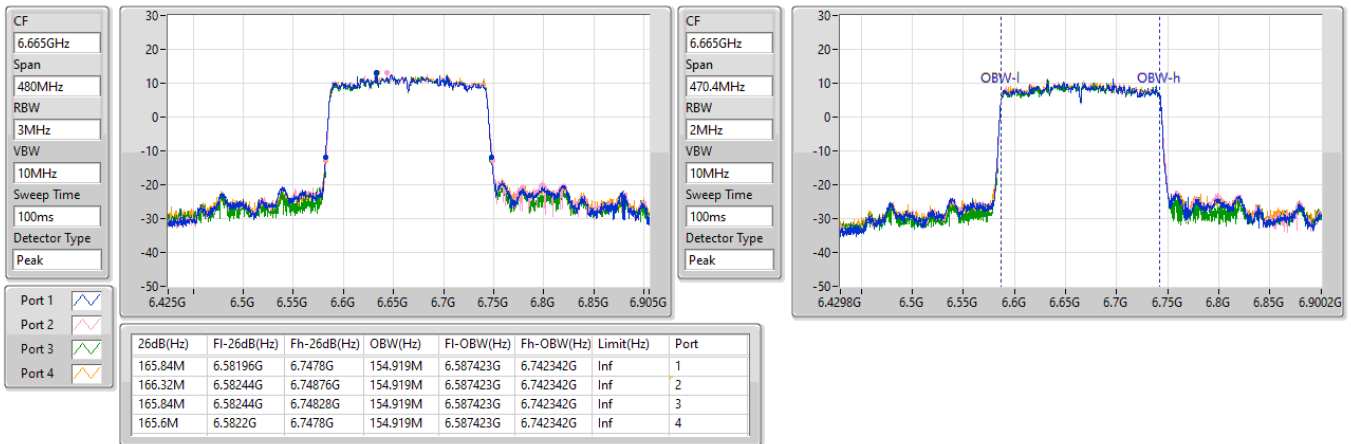
23/11/2022



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

EBW

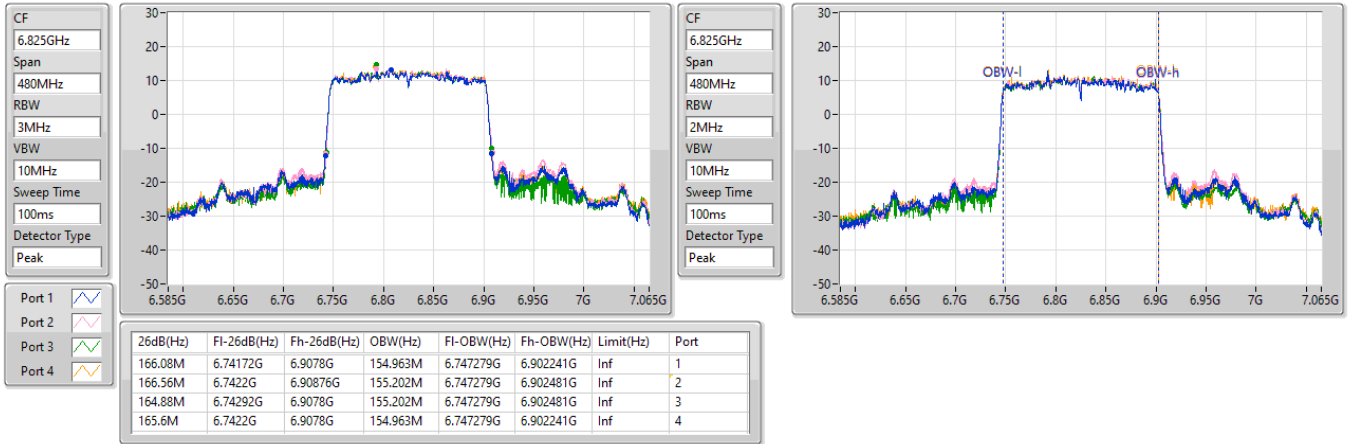
23/11/2022



6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6825MHz Straddle 6.525-6.875GHz

EBW

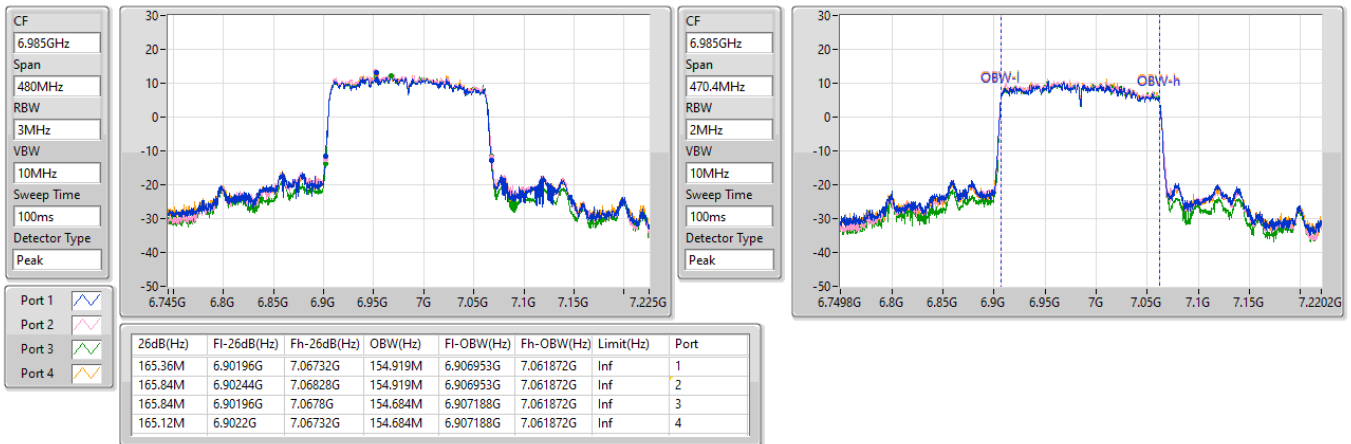
23/11/2022



6.875-7.125GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
6985MHz

EBW

23/11/2022



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.75M	19.13M	19M1D1D	21.45M	18.954M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.14M	37.613M	37M6D1D	39.72M	37.437M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.84M	76.99M	77M0D1D	81M	76.637M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	166.8M	155.154M	155MD1D	164.64M	154.449M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.75M	19.1M	19M1D1D	21.42M	18.983M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.554M	37M6D1D	39.78M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.96M	76.882M	76M9D1D	81.12M	76.642M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	166.32M	154.963M	155MD1D	165.84M	154.963M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.81M	19.1M	19M1D1D	21.48M	18.981M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.26M	37.554M	37M6D1D	39.72M	37.481M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	82.2M	76.882M	76M9D1D	81M	76.754M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	166.56M	155.202M	155MD1D	165.36M	154.684M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	21.78M	19.1M	19M1D1D	21.6M	18.983M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	40.2M	37.613M	37M6D1D	39.72M	37.437M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	81.84M	76.754M	76M8D1D	81M	76.637M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	165.6M	154.684M	155MD1D	165.36M	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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
595MHz	Pass	Inf	21.6M	19.012M	21.6M	19.042M	21.75M	19.042M	21.72M	19.042M
6175MHz	Pass	Inf	21.63M	18.983M	21.48M	19.012M	21.45M	18.954M	21.69M	19.13M
6415MHz	Pass	Inf	21.66M	19.012M	21.48M	19.071M	21.72M	19.071M	21.69M	19.071M
6435MHz	Pass	Inf	21.54M	19.012M	21.54M	19.071M	21.72M	19.071M	21.75M	19.1M
6475MHz	Pass	Inf	21.72M	18.983M	21.42M	19.042M	21.75M	19.071M	21.69M	19.071M
6515MHz	Pass	Inf	21.51M	19.012M	21.51M	19.042M	21.69M	19.1M	21.75M	19.1M
6535MHz	Pass	Inf	21.63M	18.983M	21.72M	19.042M	21.75M	19.071M	21.78M	19.042M
6695MHz	Pass	Inf	21.57M	18.983M	21.51M	19.012M	21.72M	19.042M	21.81M	19.042M
6855MHz	Pass	Inf	21.66M	19.012M	21.48M	19.042M	21.72M	19.042M	21.75M	19.1M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	21.72M	18.981M	21.57M	19.01M	21.72M	19.04M	21.75M	19.1M
6895MHz	Pass	Inf	21.66M	19.012M	21.69M	18.983M	21.66M	19.012M	21.75M	19.042M
6995MHz	Pass	Inf	21.69M	19.012M	21.69M	19.071M	21.75M	19.042M	21.72M	19.1M
7095MHz	Pass	Inf	21.6M	19.012M	21.63M	19.042M	21.78M	19.042M	21.75M	19.071M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	40.02M	37.496M	39.84M	37.496M	39.96M	37.496M	39.96M	37.554M
6165MHz	Pass	Inf	40.14M	37.496M	39.72M	37.613M	39.72M	37.437M	40.14M	37.613M
6405MHz	Pass	Inf	40.08M	37.554M	39.9M	37.554M	39.9M	37.496M	39.9M	37.554M
6445MHz	Pass	Inf	40.14M	37.554M	39.78M	37.496M	39.96M	37.496M	40.02M	37.496M
6485MHz	Pass	Inf	40.14M	37.496M	39.84M	37.496M	39.9M	37.496M	39.9M	37.554M
6525MHz Straddle 6.425-6.525GHz	Pass	Inf	40.2M	37.481M	39.78M	37.481M	40.08M	37.541M	39.96M	37.541M
6565MHz	Pass	Inf	40.26M	37.554M	39.84M	37.496M	40.02M	37.496M	40.14M	37.554M
6685MHz	Pass	Inf	40.26M	37.554M	39.84M	37.554M	39.96M	37.554M	40.08M	37.554M
6845MHz	Pass	Inf	40.26M	37.554M	39.84M	37.554M	39.9M	37.496M	40.08M	37.554M
6885MHz Straddle 6.525-6.875GHz	Pass	Inf	40.08M	37.481M	39.72M	37.541M	39.96M	37.541M	40.14M	37.541M
6925MHz	Pass	Inf	40.14M	37.496M	39.72M	37.496M	39.96M	37.437M	40.14M	37.613M
7005MHz	Pass	Inf	40.08M	37.554M	39.78M	37.496M	39.84M	37.437M	39.96M	37.613M
7085MHz	Pass	Inf	40.08M	37.496M	39.78M	37.496M	39.96M	37.496M	40.2M	37.554M
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.36M	76.754M	81.12M	76.637M	81.24M	76.637M	81.6M	76.637M
6145MHz	Pass	Inf	81.24M	76.872M	81.12M	76.754M	81M	76.637M	81.84M	76.99M
6385MHz	Pass	Inf	81.36M	76.872M	81.24M	76.754M	81.48M	76.754M	81.84M	76.754M
6465MHz	Pass	Inf	81.48M	76.872M	81.12M	76.754M	81.48M	76.872M	81.72M	76.754M
6545MHz Straddle 6.425-6.525GHz	Pass	Inf	81.48M	76.762M	81.24M	76.642M	81.6M	76.882M	81.96M	76.762M
6625MHz	Pass	Inf	81.36M	76.872M	81.36M	76.754M	81.48M	76.872M	82.2M	76.872M
6705MHz	Pass	Inf	81.48M	76.754M	81M	76.872M	81.48M	76.872M	82.2M	76.872M
6785MHz	Pass	Inf	81.48M	76.872M	81.36M	76.872M	81.36M	76.872M	81.72M	76.872M
6865MHz Straddle 6.525-6.875GHz	Pass	Inf	81.6M	76.882M	81.12M	76.882M	81.6M	76.882M	81.84M	76.882M
6945MHz	Pass	Inf	81.36M	76.754M	81M	76.754M	81.36M	76.754M	81.84M	76.754M
7025MHz	Pass	Inf	81.36M	76.754M	81.12M	76.754M	81.6M	76.637M	81.84M	76.637M
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	165.6M	154.684M	166.56M	154.449M	165.84M	154.684M	165.12M	154.449M
6185MHz	Pass	Inf	166.08M	154.919M	166.56M	154.919M	164.64M	154.449M	166.32M	155.154M
6345MHz	Pass	Inf	166.8M	154.919M	166.56M	154.684M	165.36M	154.919M	165.84M	154.684M
6505MHz Straddle 6.425-6.525GHz	Pass	Inf	166.32M	154.963M	166.08M	154.963M	166.08M	154.963M	165.84M	154.963M
6665MHz	Pass	Inf	166.32M	154.919M	166.56M	154.919M	165.36M	154.919M	165.36M	154.684M
6825MHz Straddle 6.525-6.875GHz	Pass	Inf	166.08M	154.963M	166.56M	155.202M	165.36M	154.963M	165.6M	154.723M
6985MHz	Pass	Inf	165.36M	154.449M	165.6M	154.684M	165.36M	154.449M	165.6M	154.684M

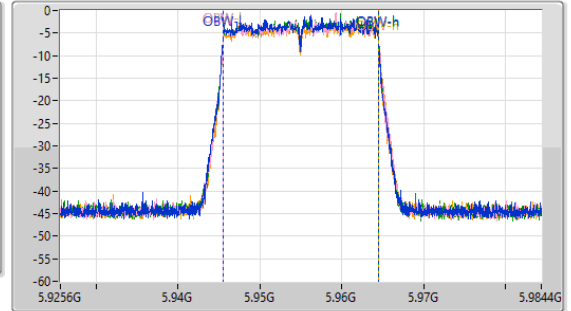
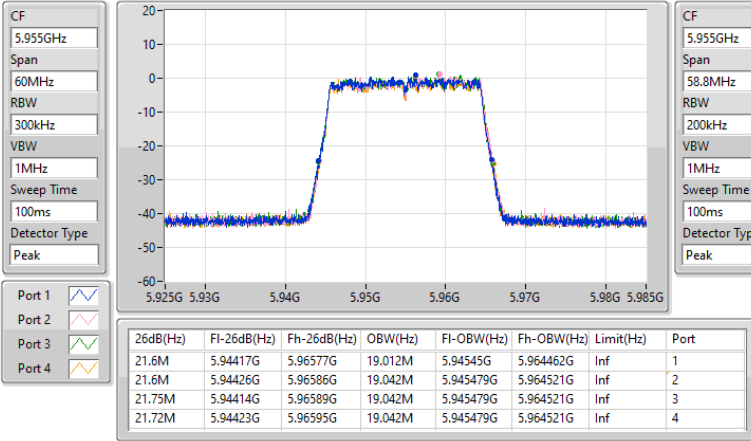
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5955MHz

22/11/2022

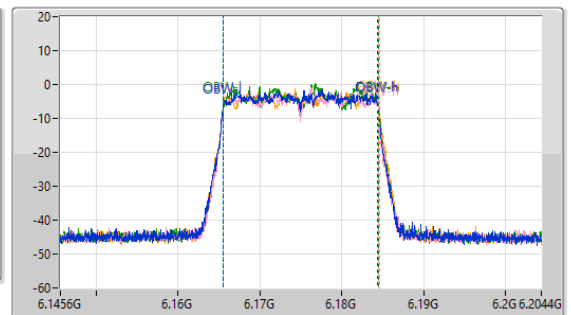
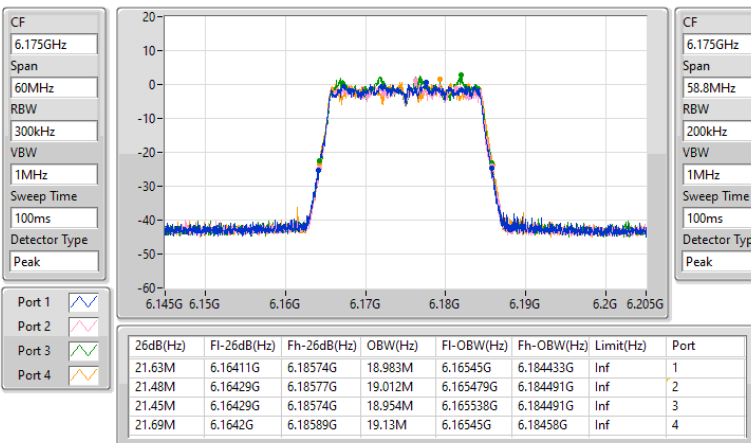


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6175MHz

22/11/2022

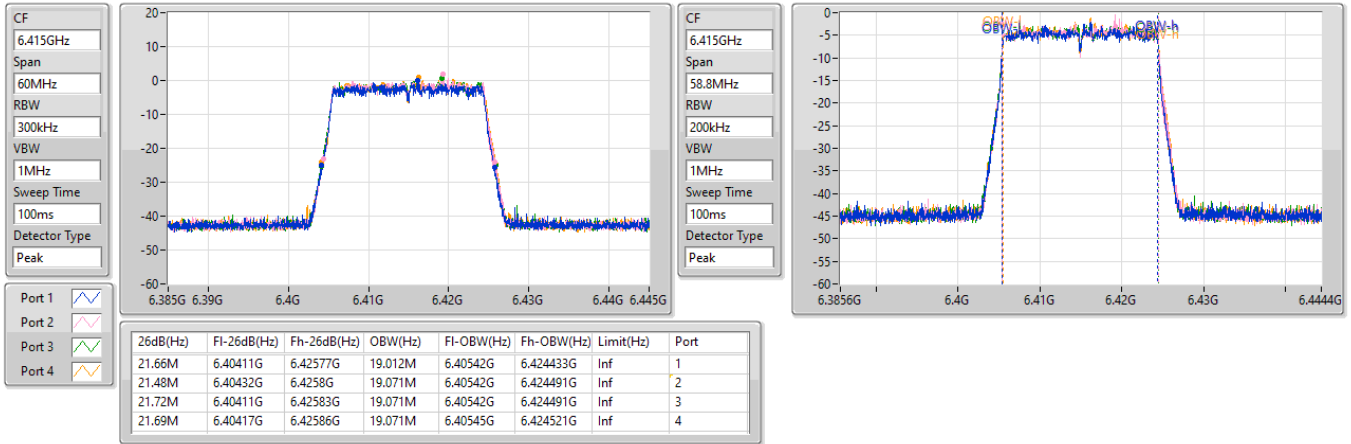


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6415MHz

22/11/2022

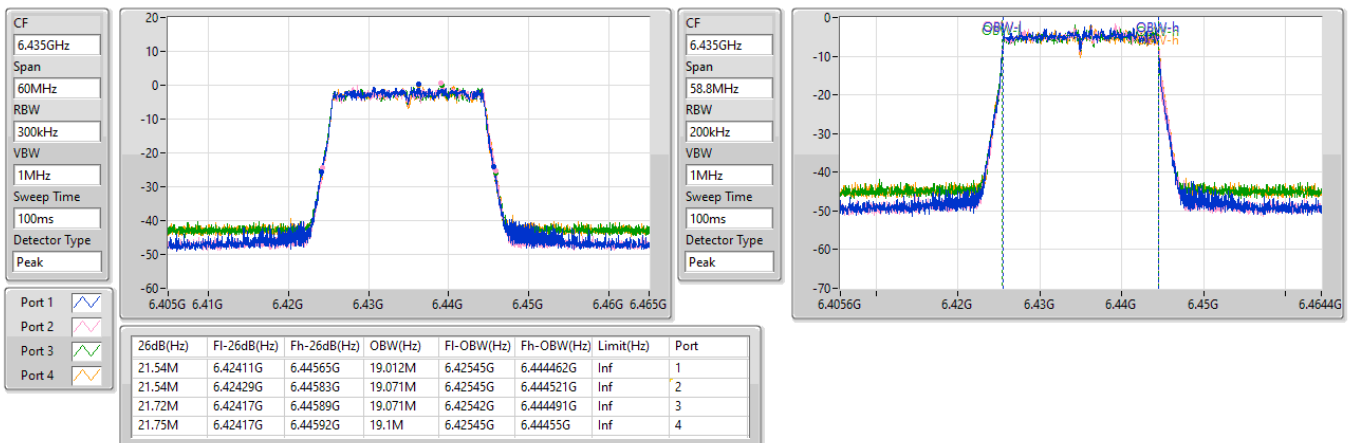


6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6435MHz

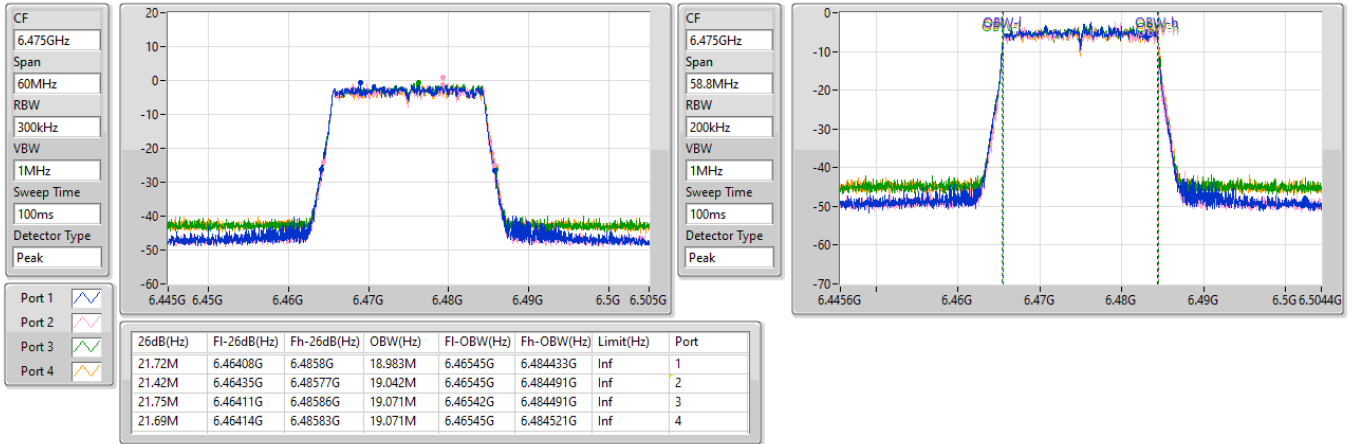
22/11/2022



6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
6475MHz

EBW

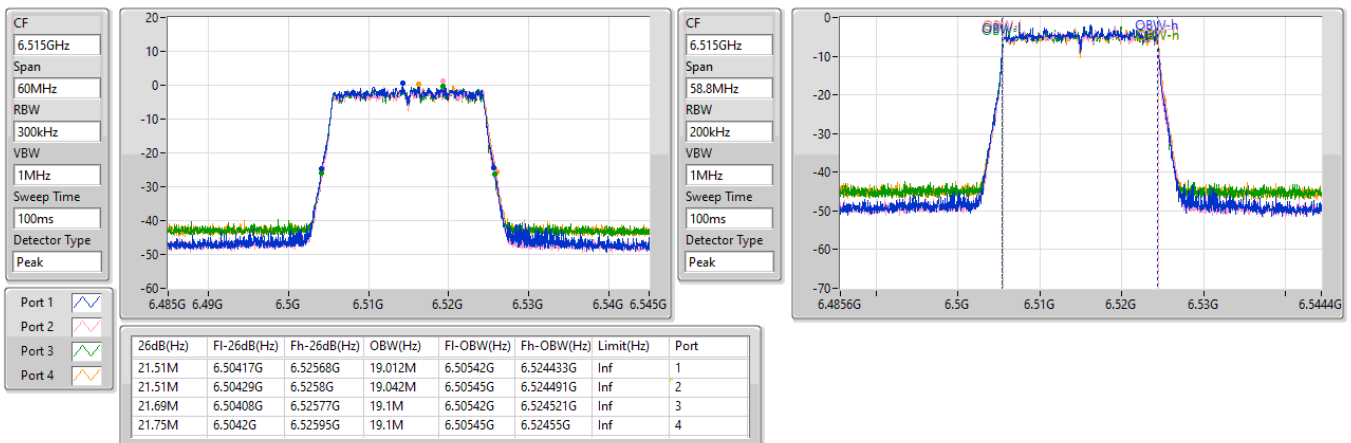
22/11/2022



6.425-6.525GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
6515MHz

EBW

22/11/2022

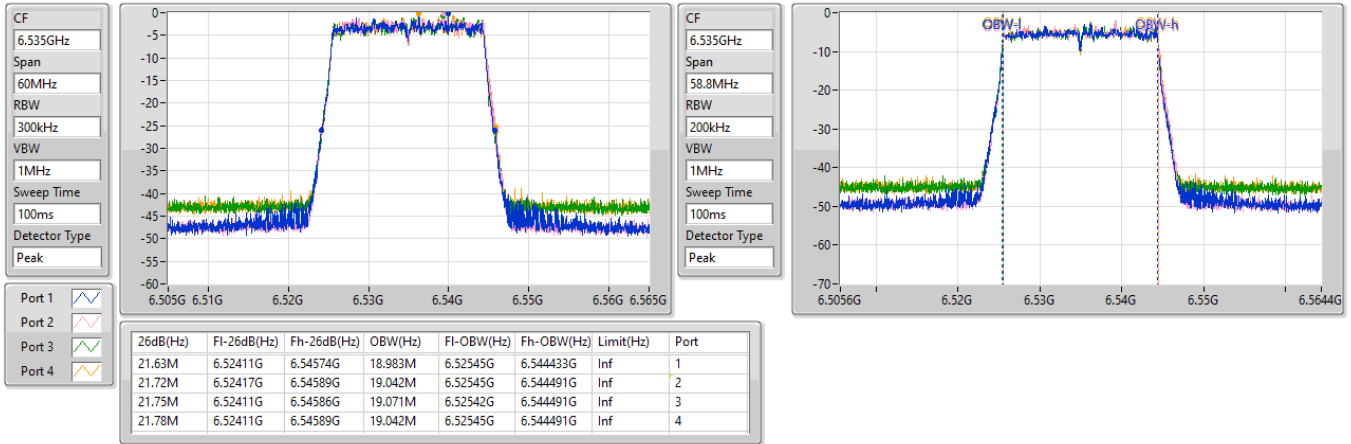


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6535MHz

22/11/2022

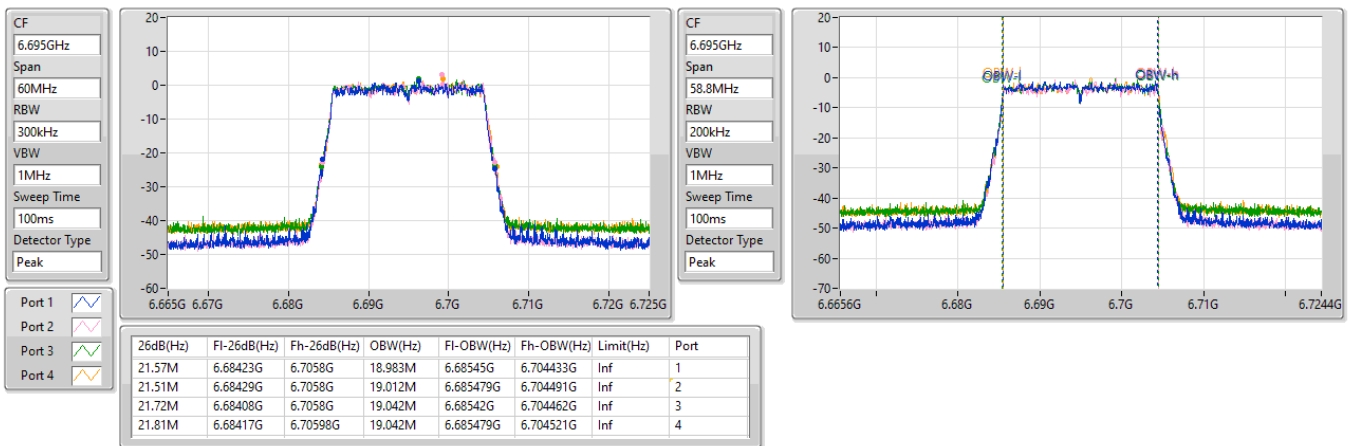


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

6695MHz

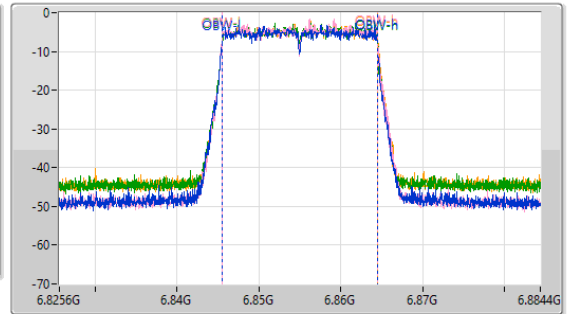
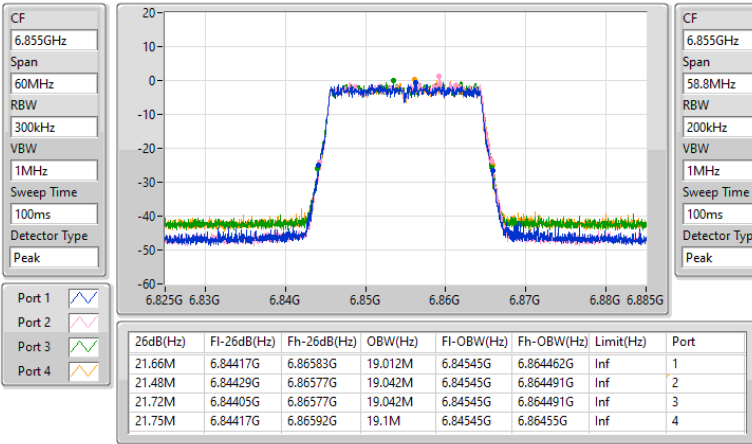
22/11/2022



6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
6855MHz

EBW

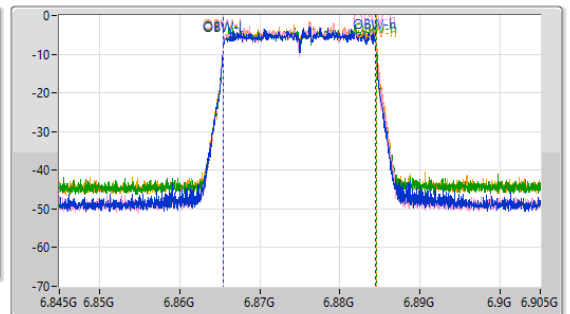
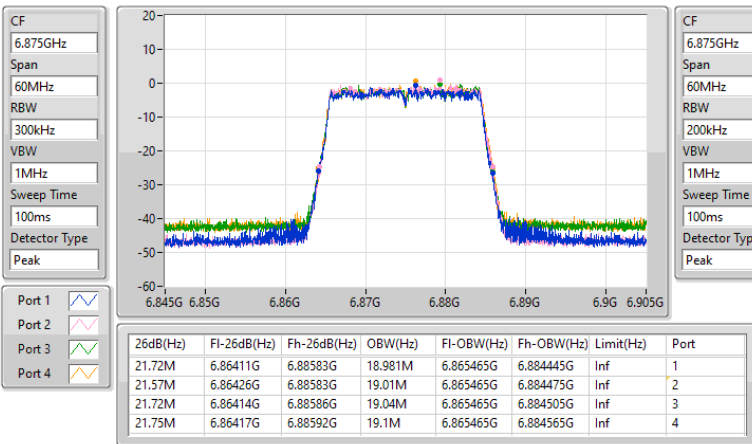
22/11/2022



6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
6875MHz Straddle 6.525-6.875GHz

EBW

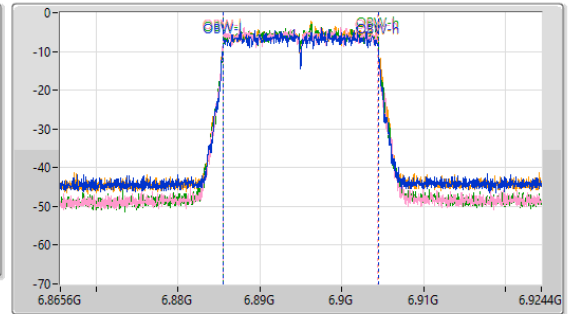
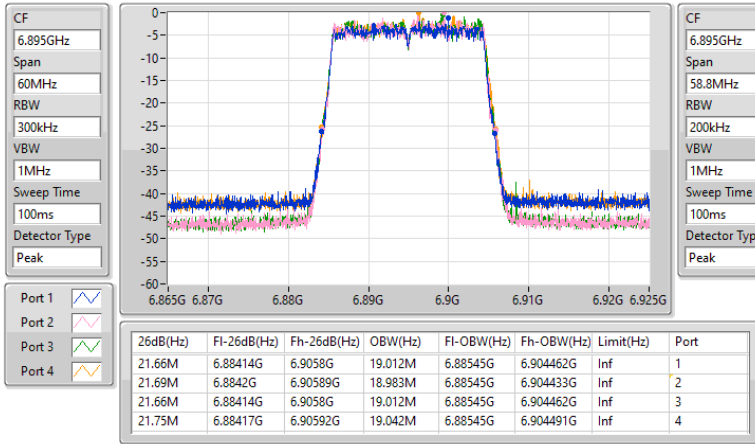
22/11/2022



6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
6895MHz

EBW

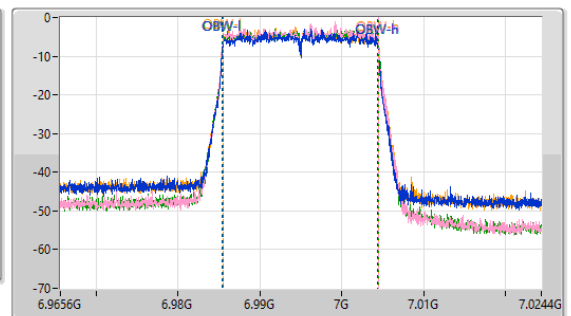
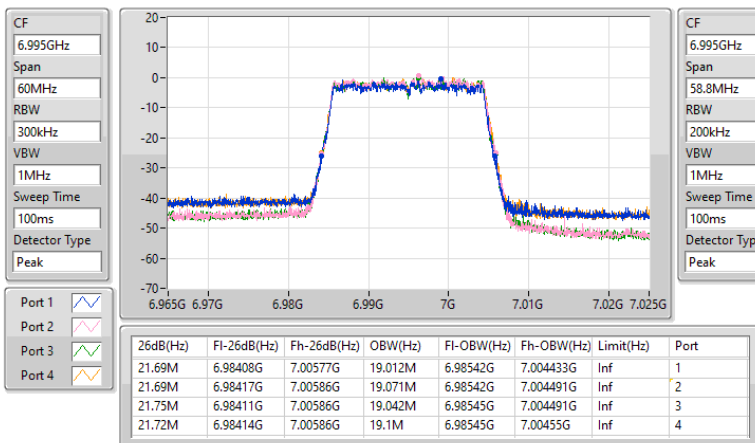
22/11/2022



6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
6995MHz

EBW

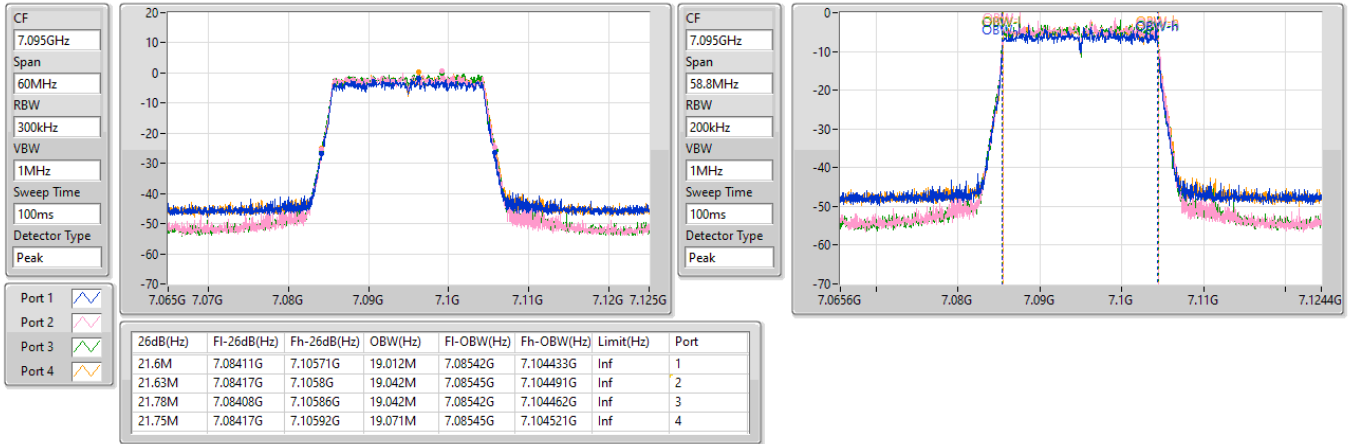
22/11/2022



6.875-7.125GHz_802.11ax HEW20-BF_Nss1,(MCS0)_4TX
7095MHz

EBW

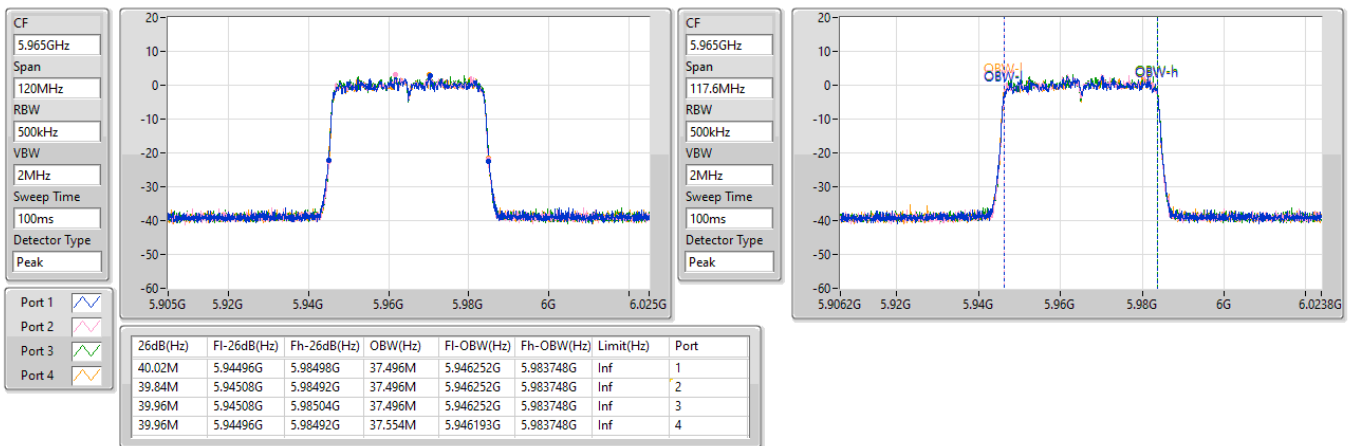
22/11/2022



5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
5965MHz

EBW

23/11/2022

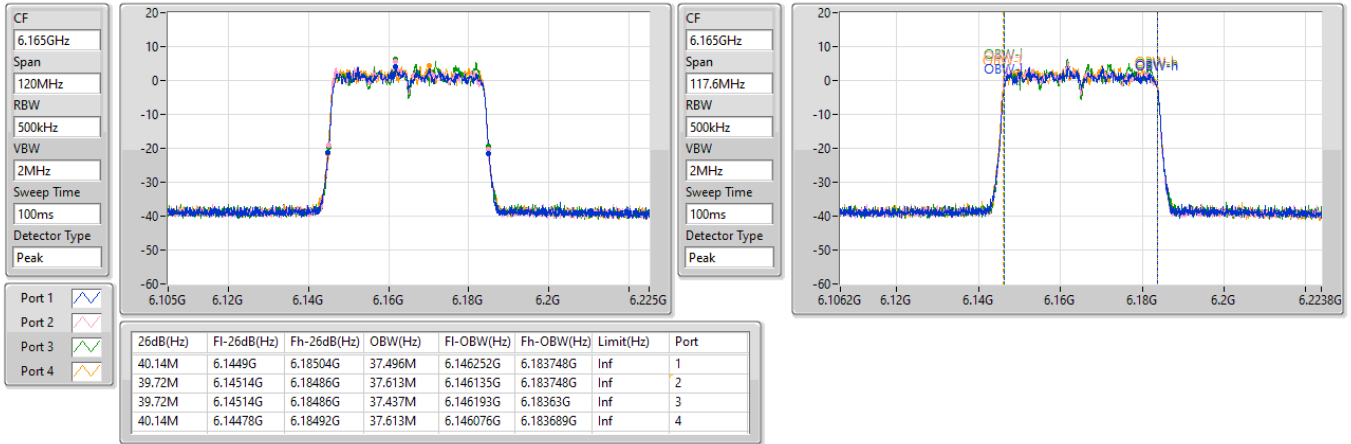


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6165MHz

23/11/2022

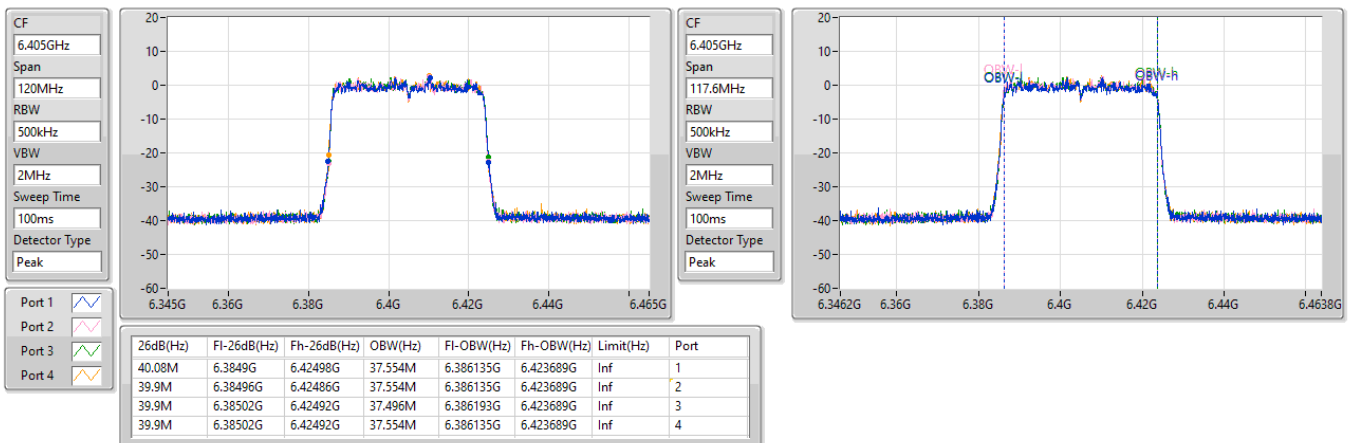


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6405MHz

23/11/2022

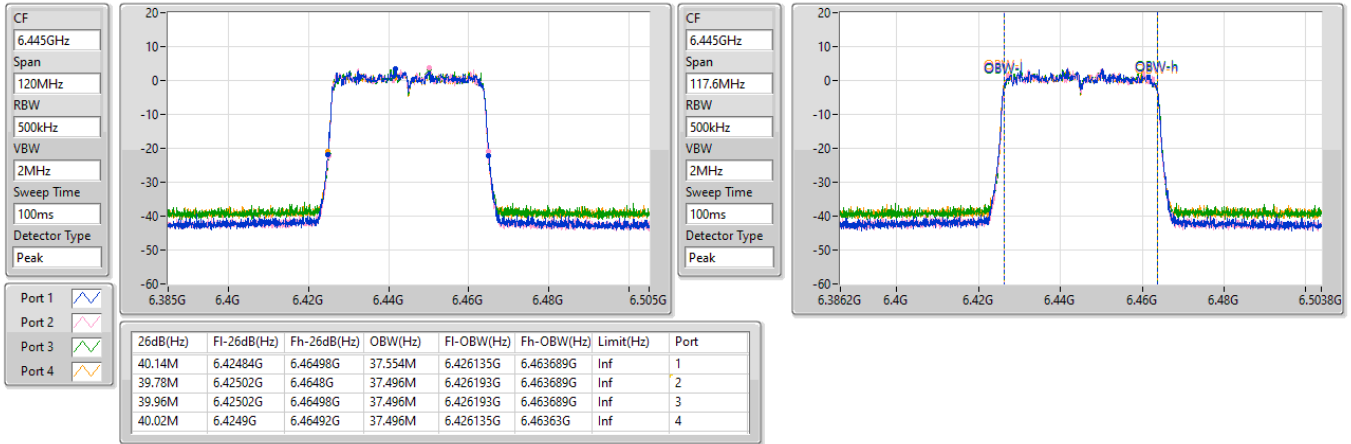


6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6445MHz

23/11/2022

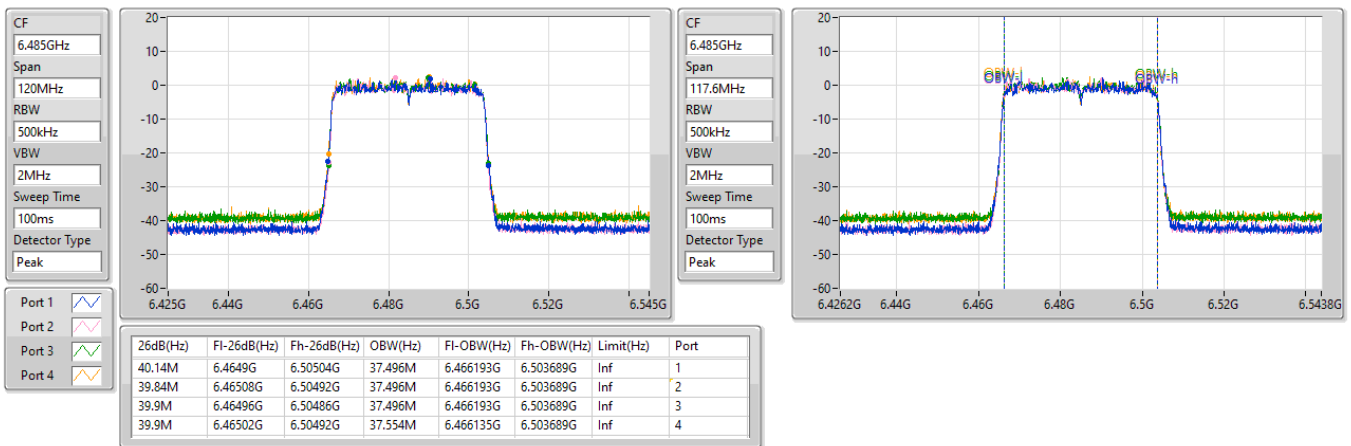


6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

6485MHz

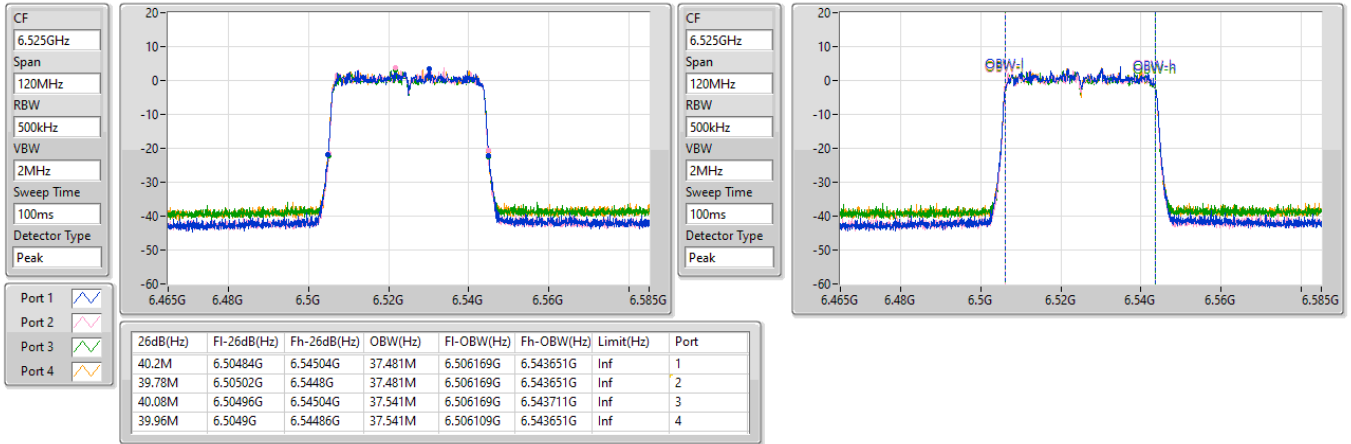
23/11/2022



6.425-6.525GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
6525MHz Straddle 6.425-6.525GHz

EBW

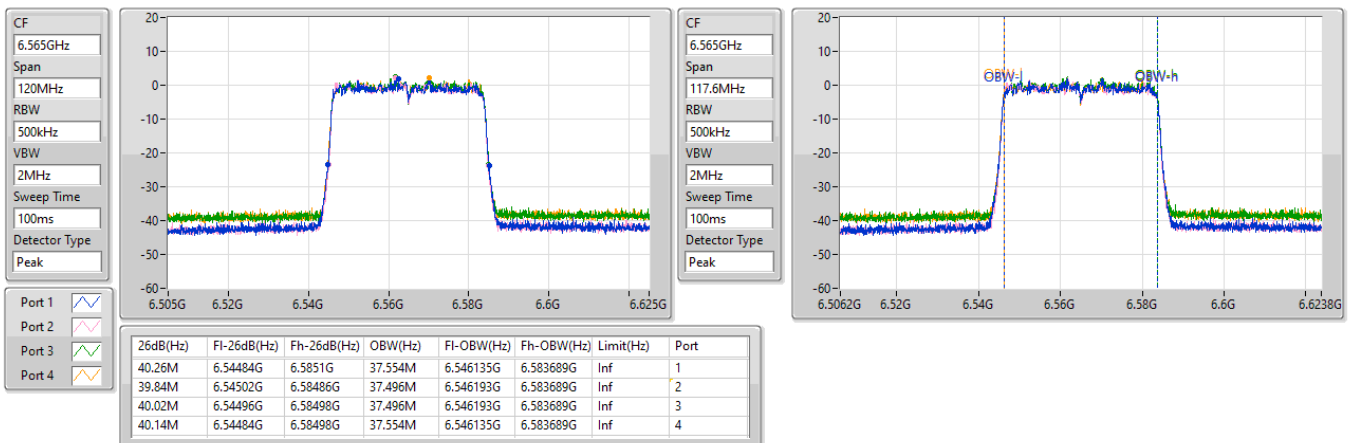
23/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
6565MHz

EBW

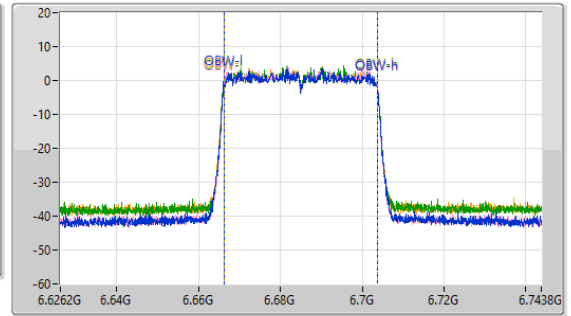
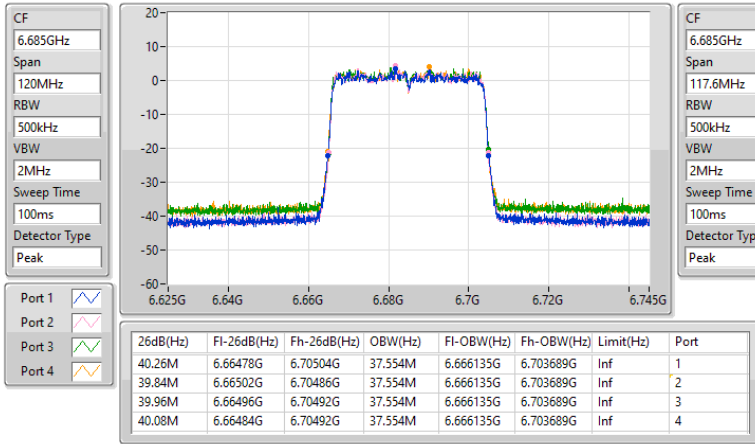
23/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
6685MHz

EBW

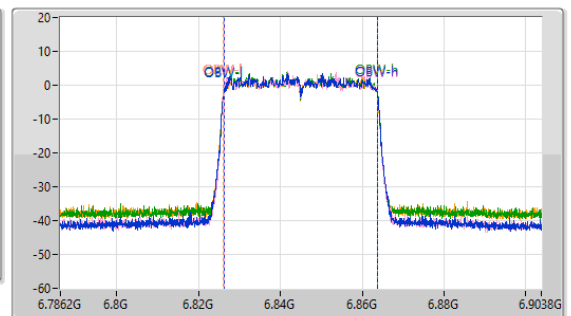
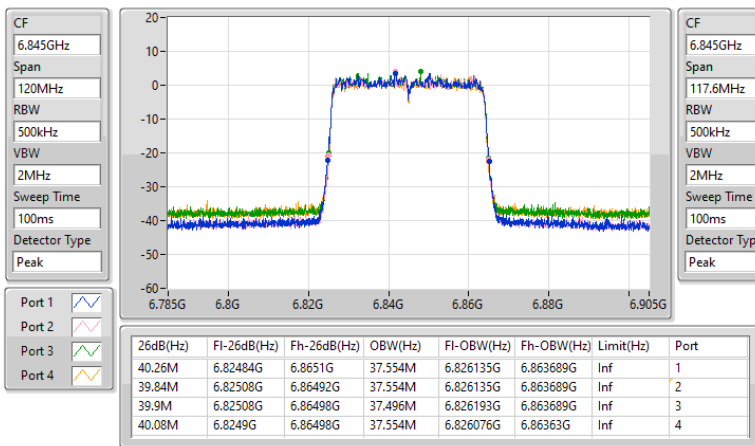
23/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
6845MHz

EBW

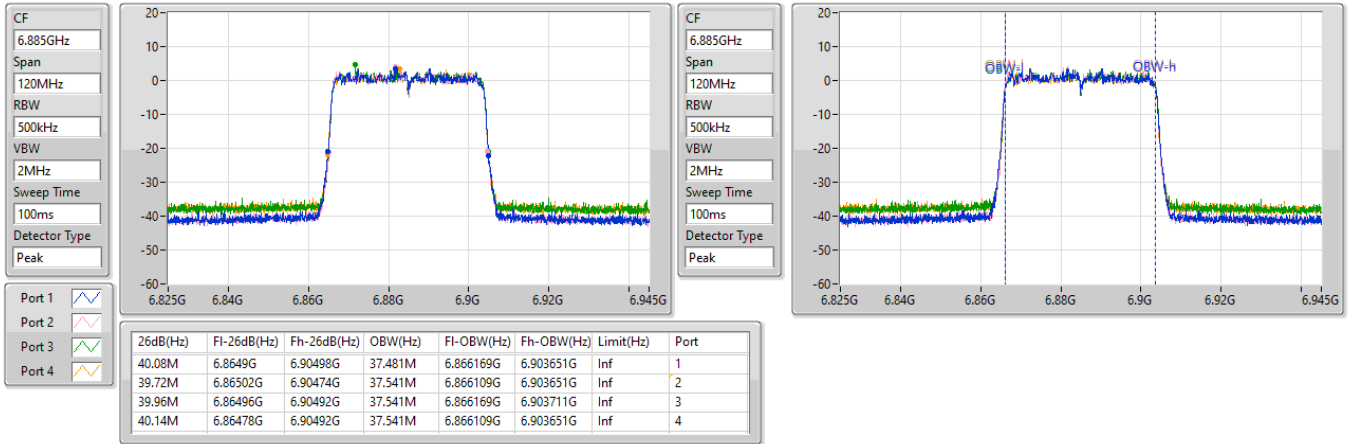
23/11/2022



6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
6885MHz Straddle 6.525-6.875GHz

EBW

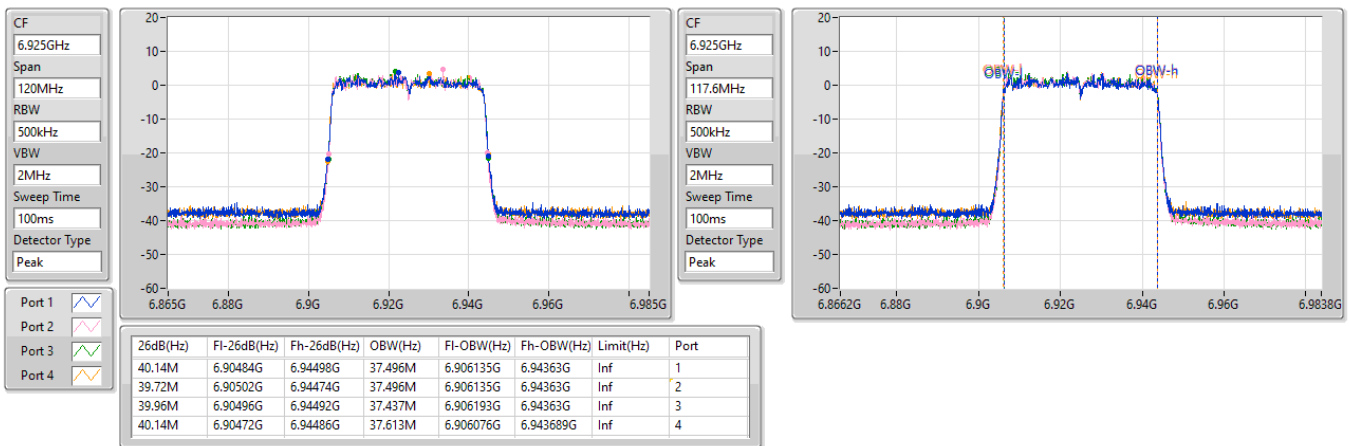
23/11/2022



6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX
6925MHz

EBW

23/11/2022

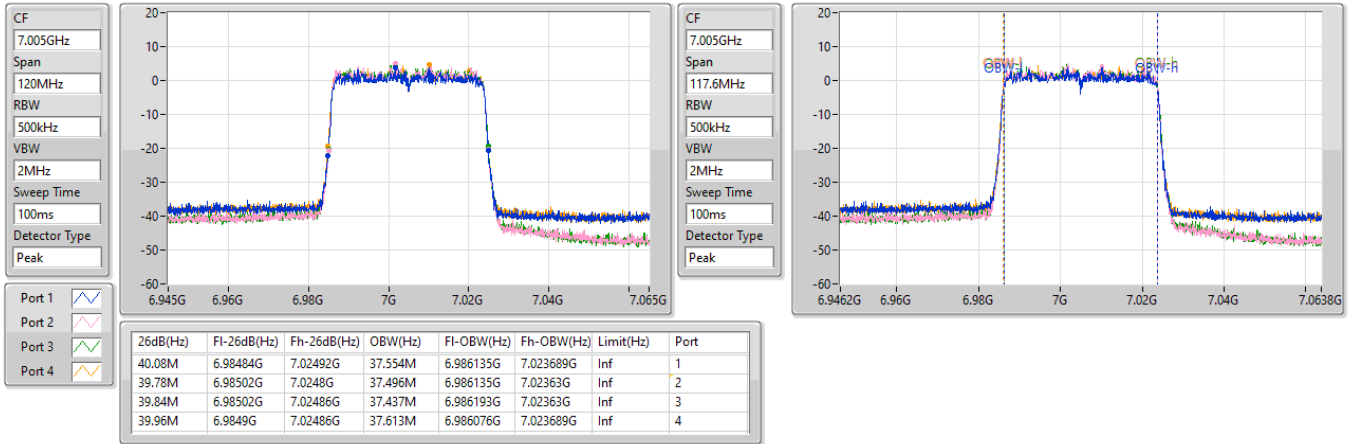


6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

7005MHz

23/11/2022

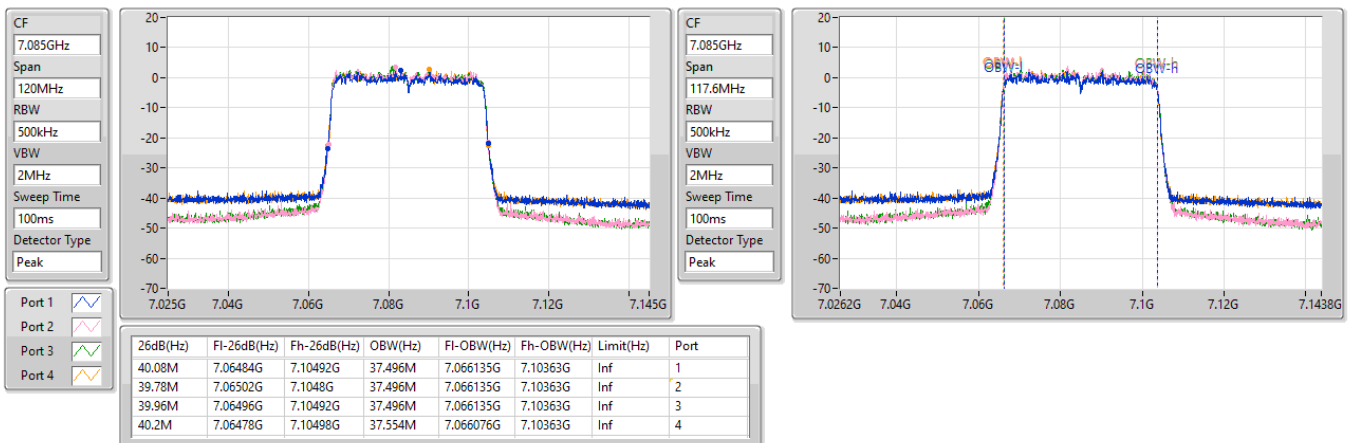


6.875-7.125GHz_802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

7085MHz

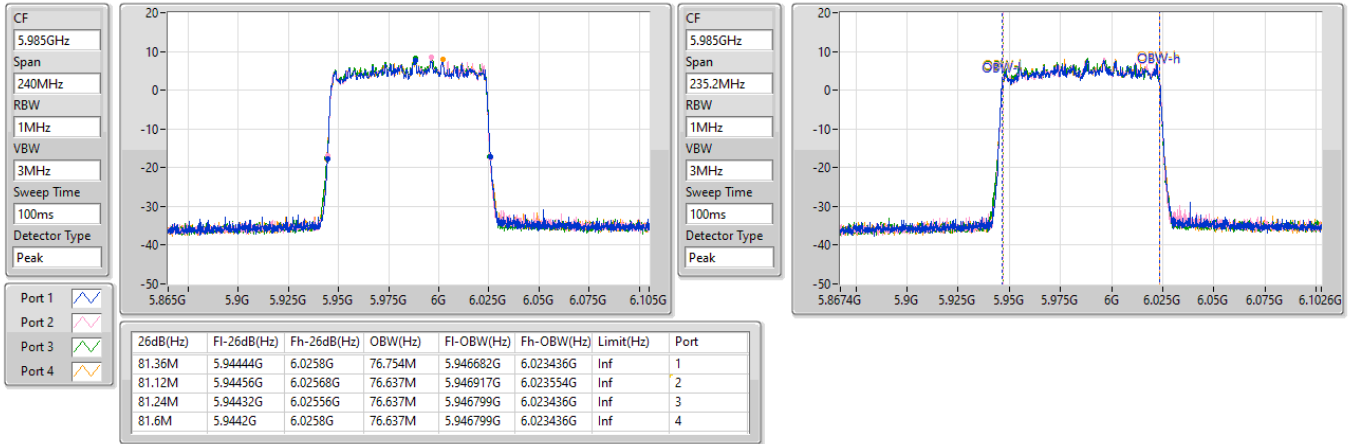
23/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
5985MHz

EBW

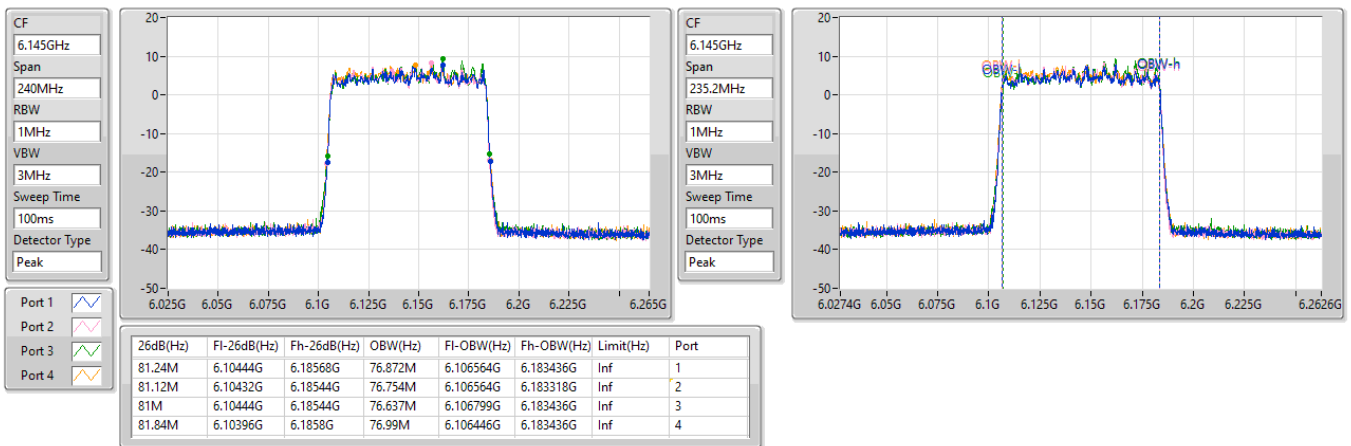
23/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6145MHz

EBW

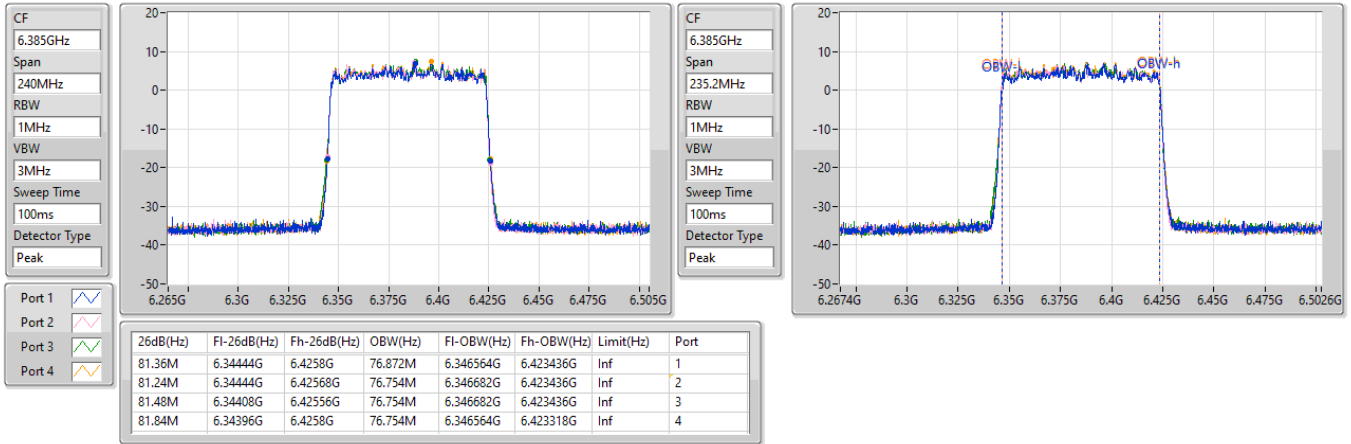
23/11/2022



5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6385MHz

EBW

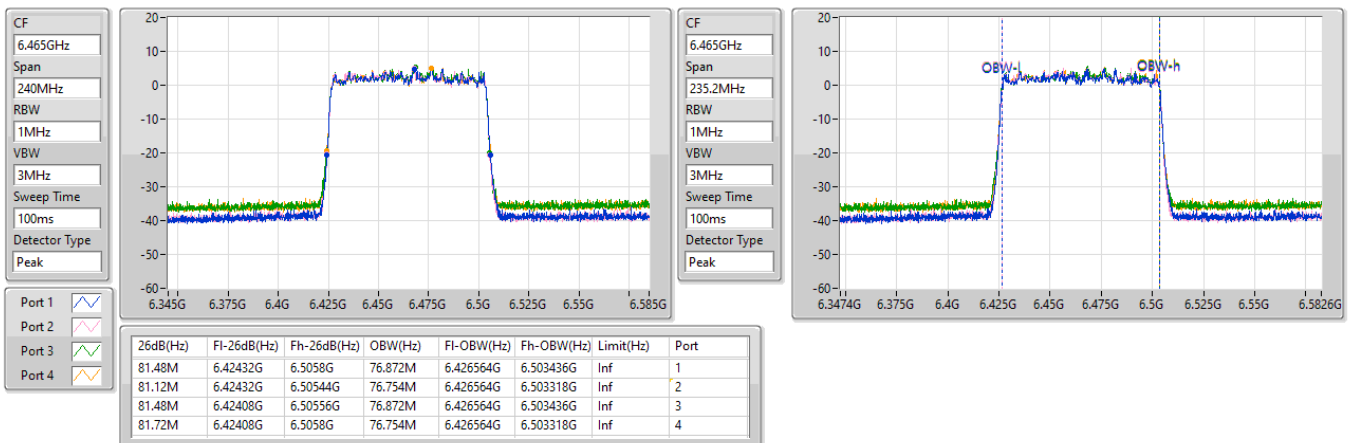
23/11/2022



6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6465MHz

EBW

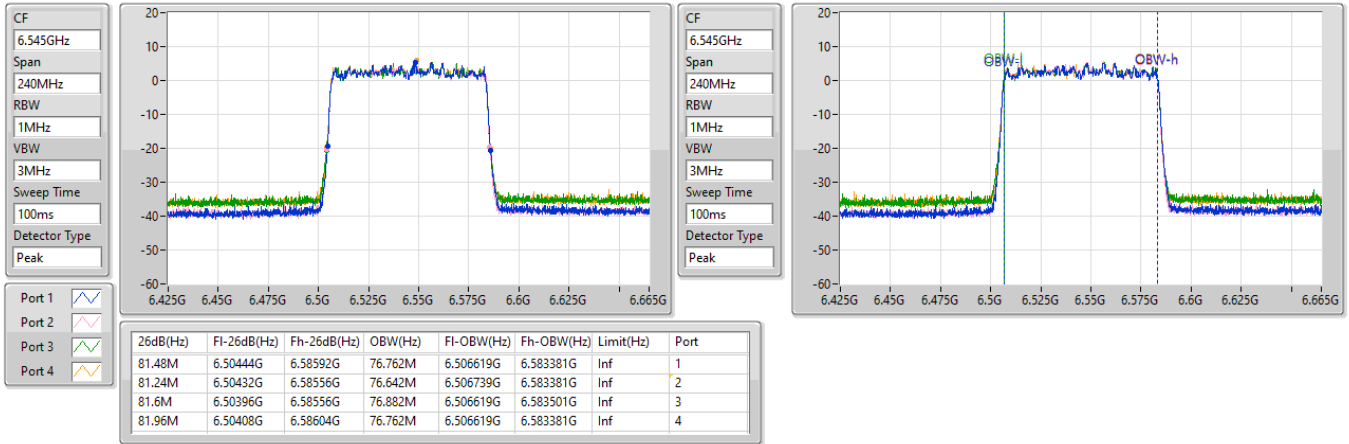
23/11/2022



6.425-6.525GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6545MHz Straddle 6.425-6.525GHz

EBW

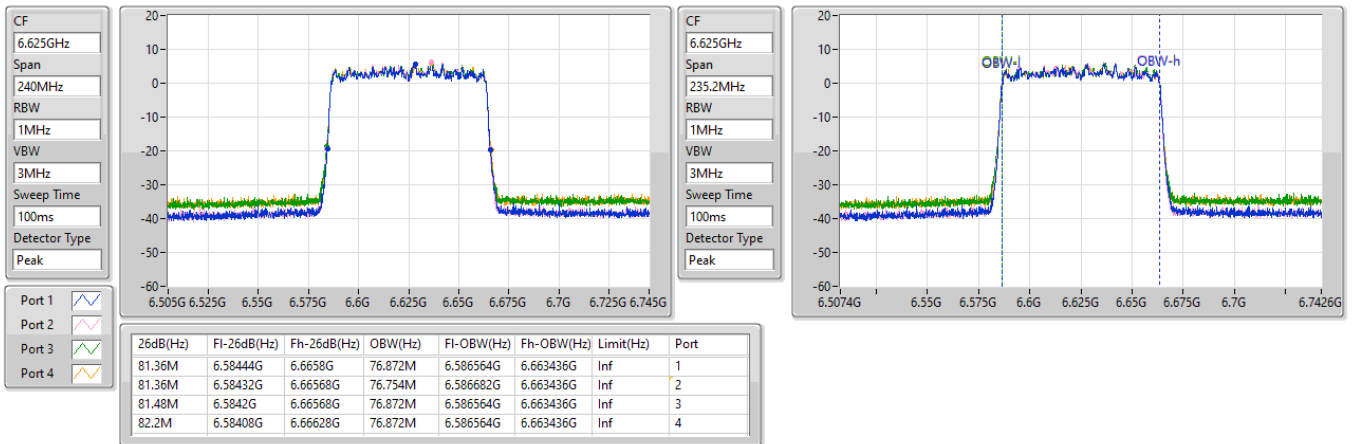
23/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6625MHz

EBW

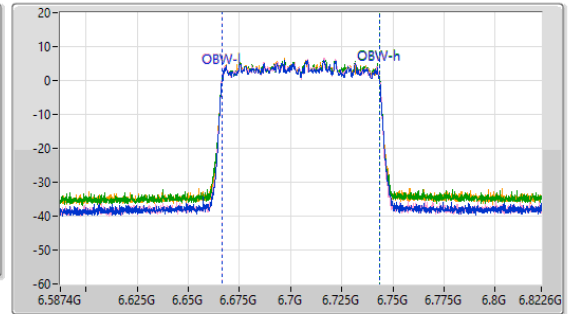
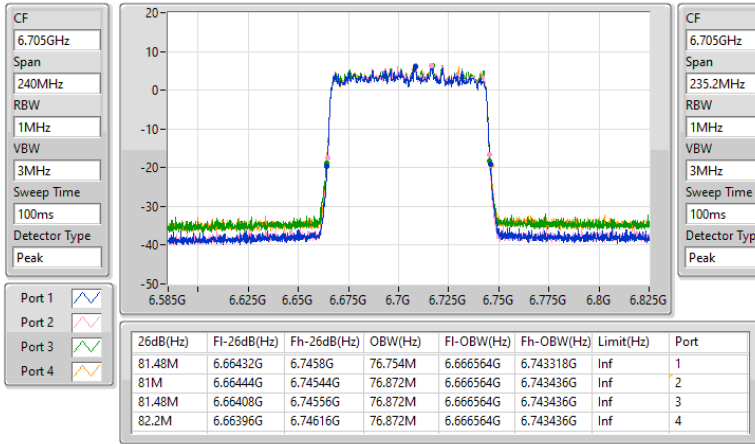
23/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6705MHz

EBW

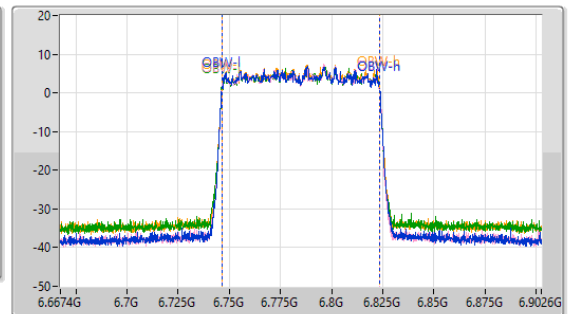
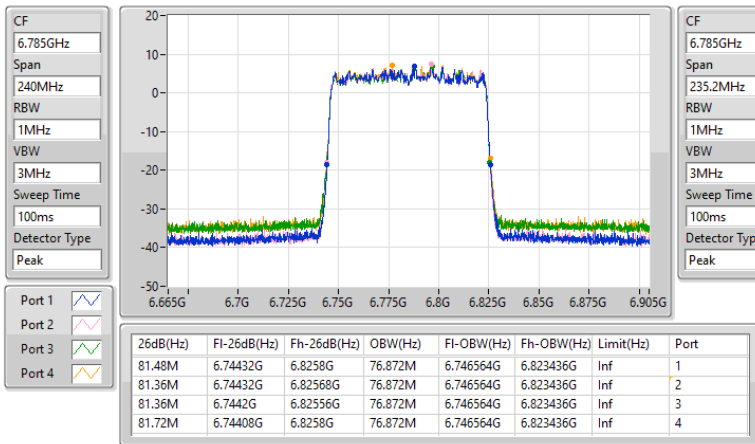
23/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6785MHz

EBW

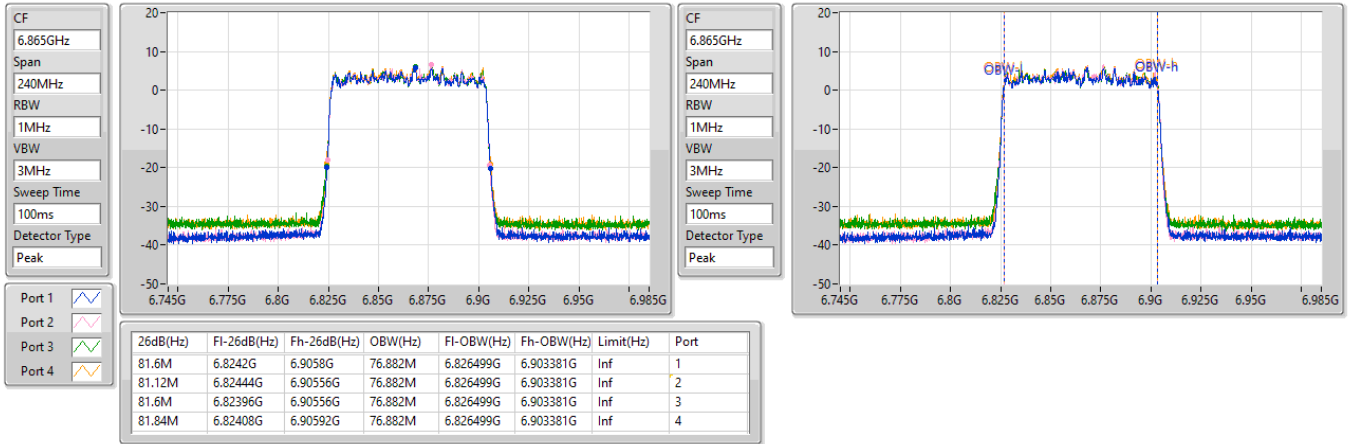
23/11/2022



6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6865MHz Straddle 6.525-6.875GHz

EBW

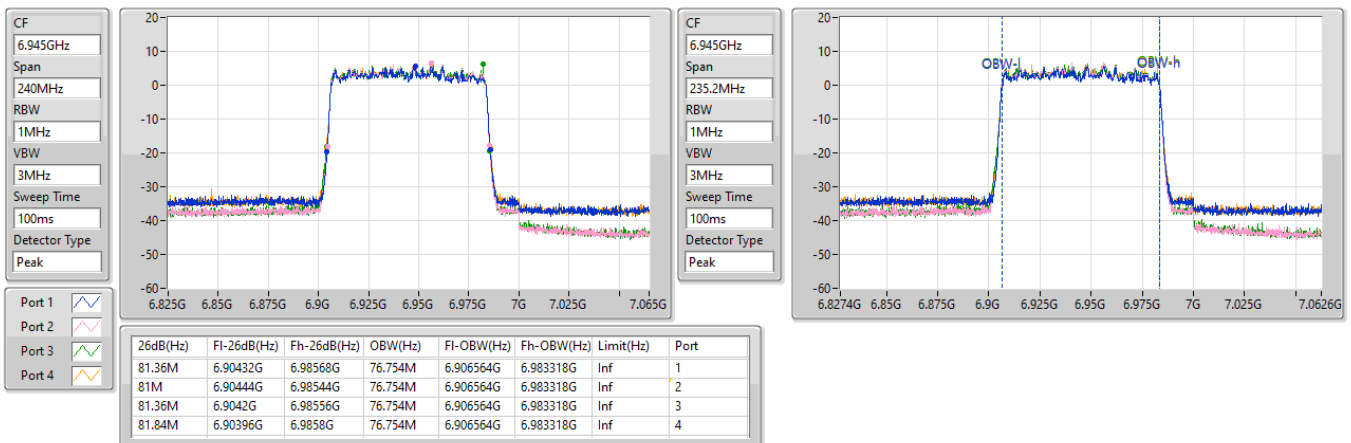
23/11/2022



6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
6945MHz

EBW

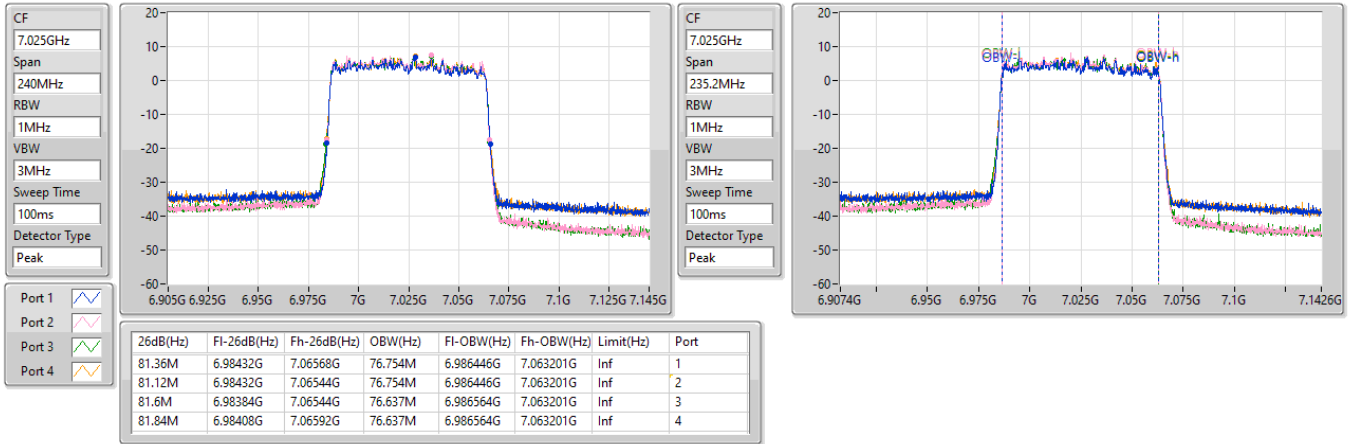
23/11/2022



6.875-7.125GHz_802.11ax HEW80-BF_Nss1,(MCS0)_4TX
7025MHz

EBW

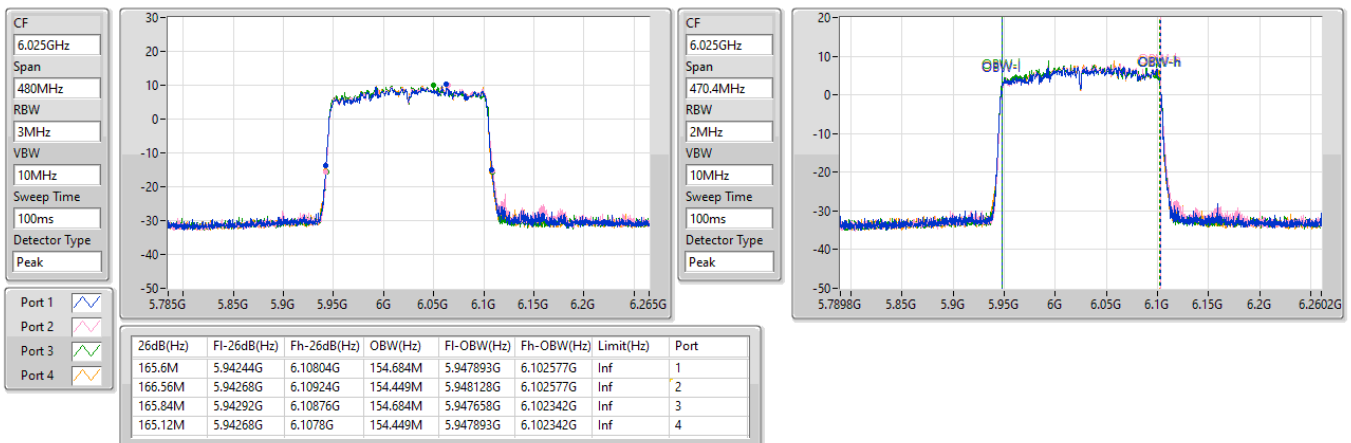
23/11/2022



5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6025MHz

EBW

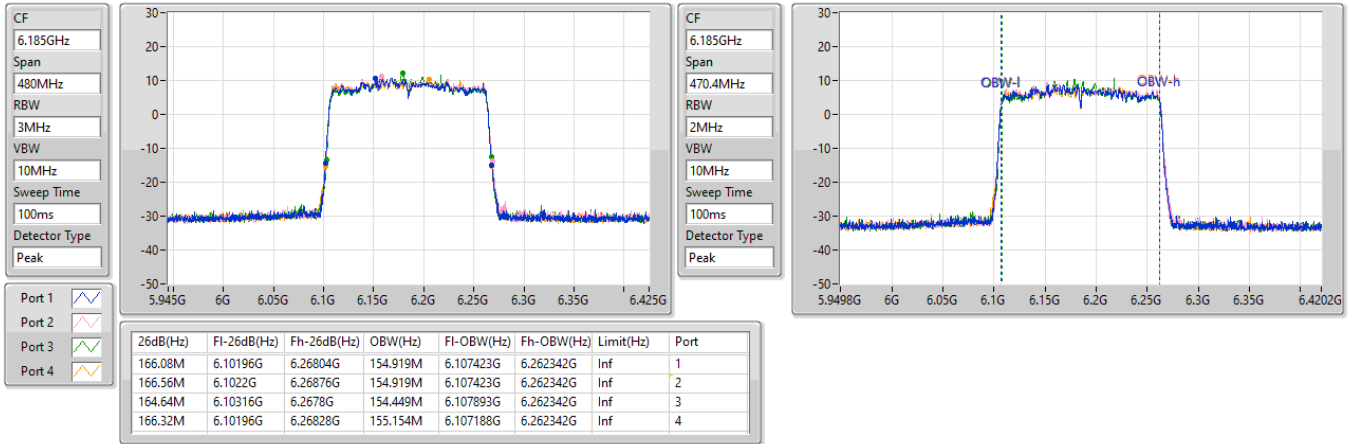
23/11/2022



5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6185MHz

EBW

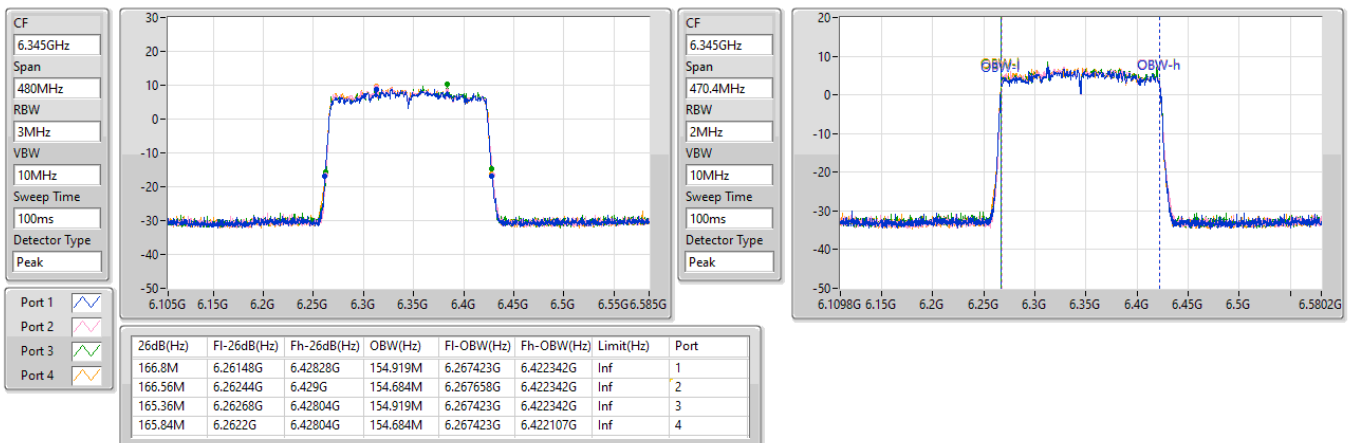
23/11/2022



5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6345MHz

EBW

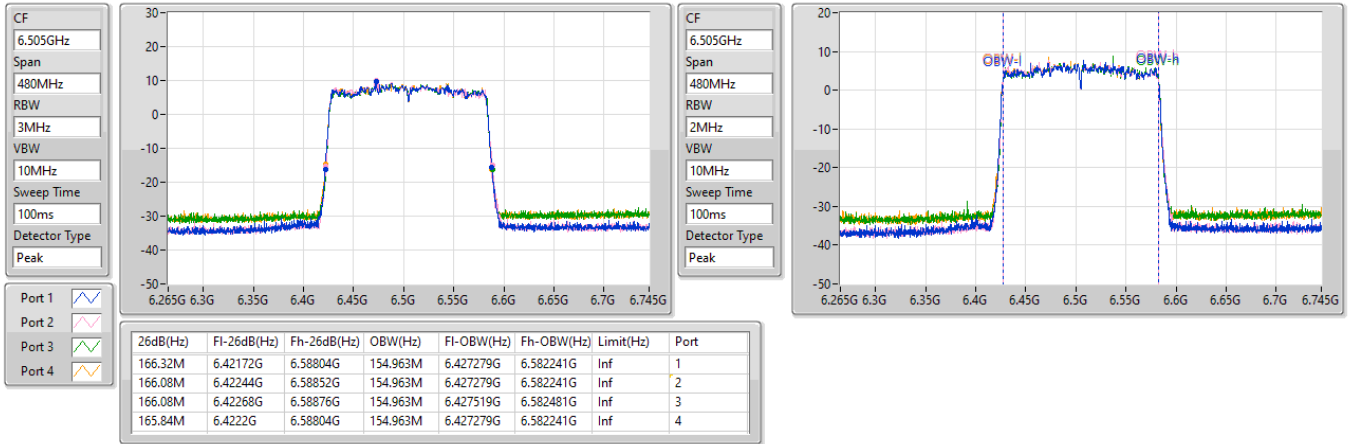
23/11/2022



6.425-6.525GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6505MHz Straddle 6.425-6.525GHz

EBW

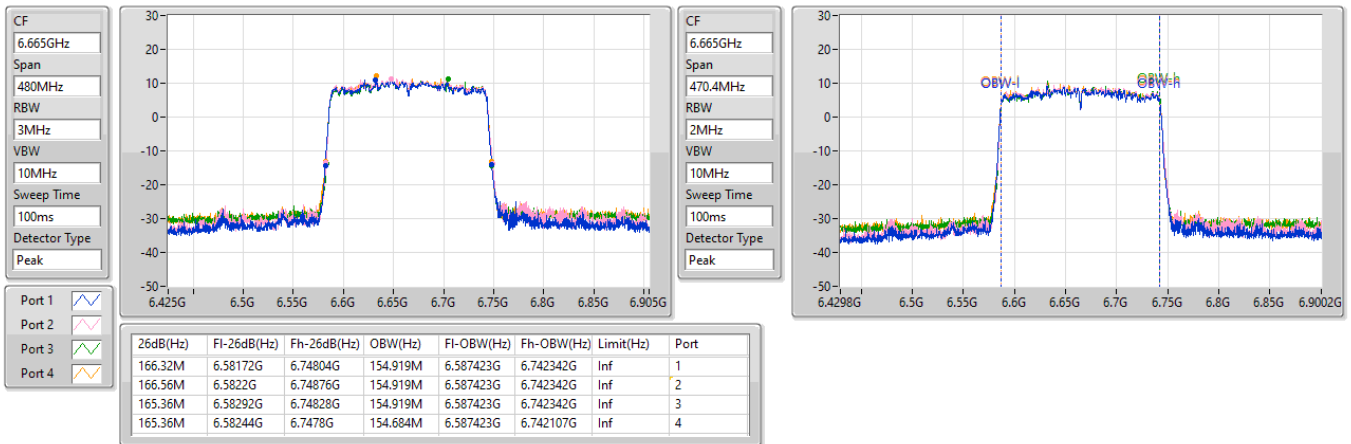
23/11/2022



6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6665MHz

EBW

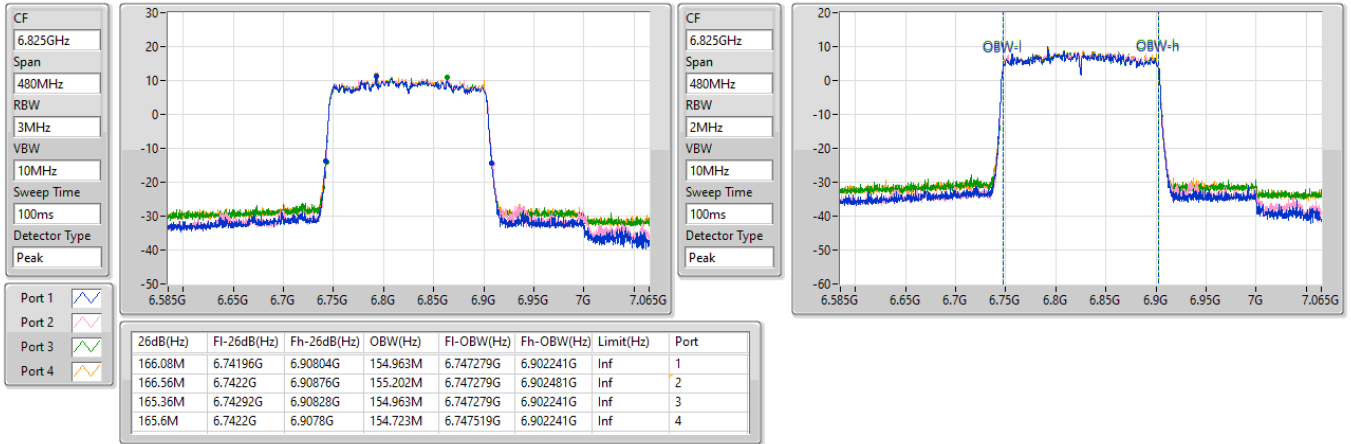
23/11/2022



6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6825MHz Straddle 6.525-6.875GHz

EBW

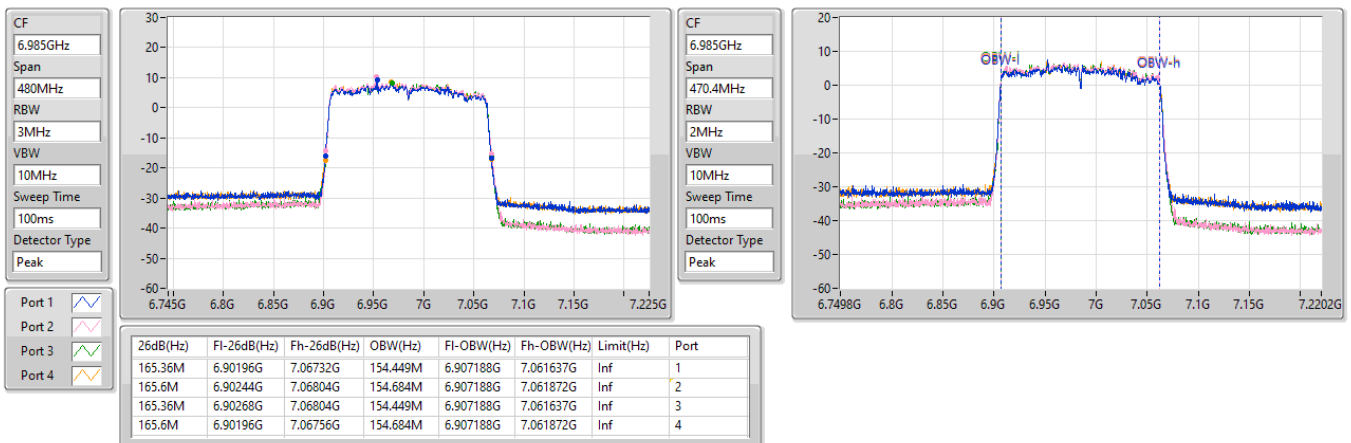
23/11/2022



6.875-7.125GHz_802.11ax HEW160-BF_Nss1,(MCS0)_4TX
6985MHz

EBW

23/11/2022





Summary

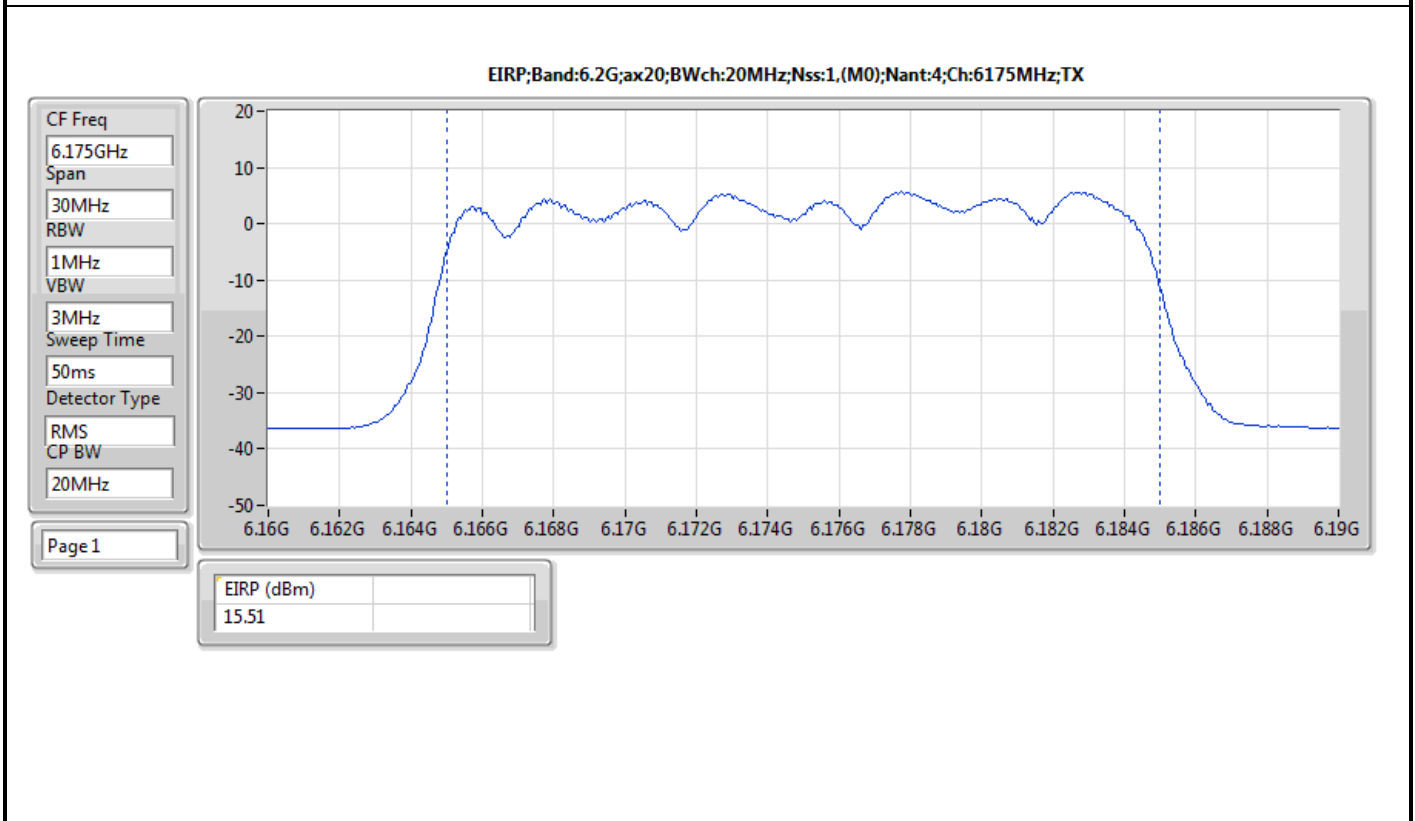
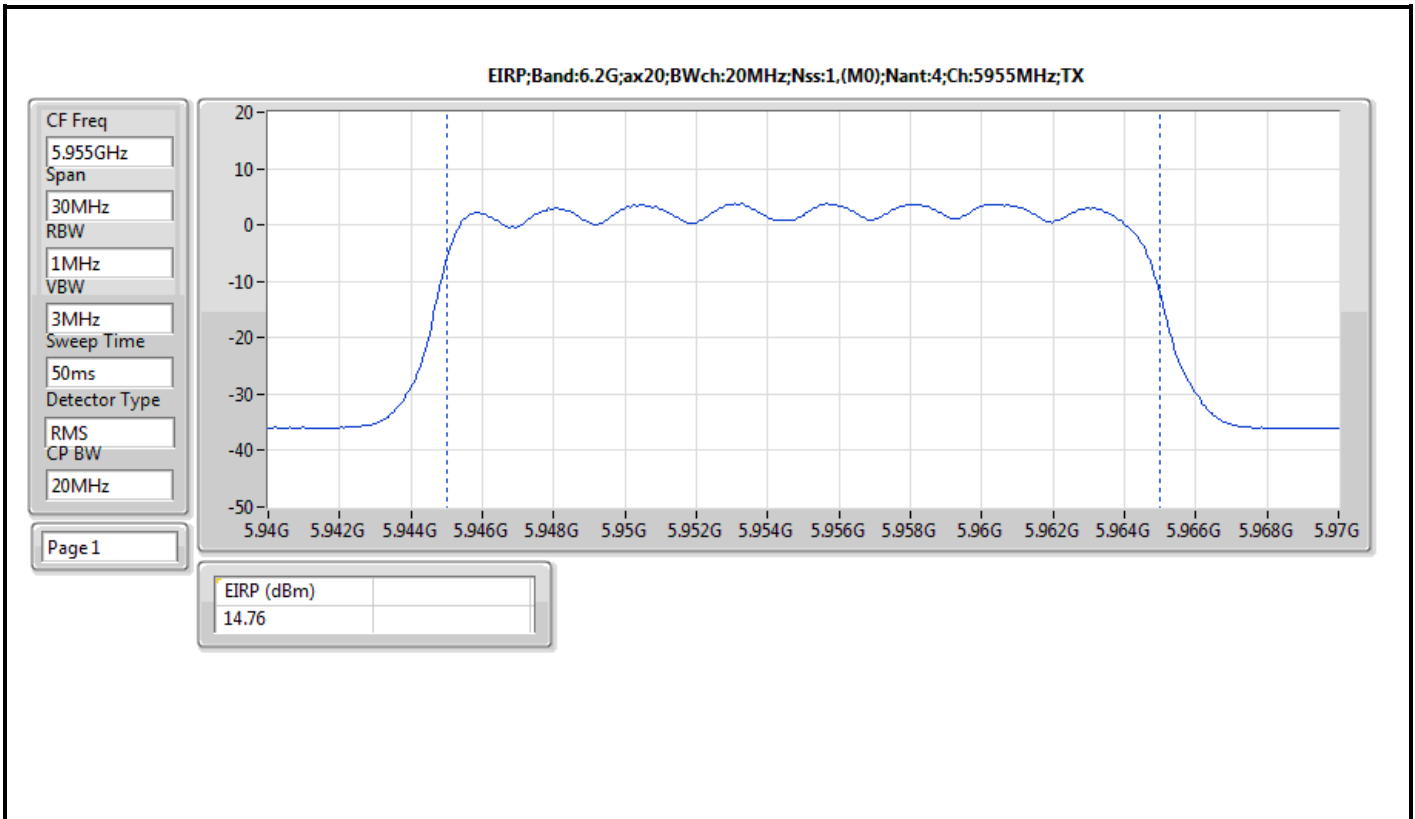
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	16.70	0.04677
802.11ax HEW40_Nss1,(MCS0)_4TX	18.70	0.07413
802.11ax HEW80_Nss1,(MCS0)_4TX	21.83	0.15241
802.11ax HEW160_Nss1,(MCS0)_4TX	24.53	0.28379
6.425-6.525GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.07	0.03214
802.11ax HEW40_Nss1,(MCS0)_4TX	19.27	0.08453
802.11ax HEW80_Nss1,(MCS0)_4TX	22.05	0.16032
802.11ax HEW160_Nss1,(MCS0)_4TX	23.89	0.24491
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.74	0.02979
802.11ax HEW40_Nss1,(MCS0)_4TX	18.68	0.07379
802.11ax HEW80_Nss1,(MCS0)_4TX	21.21	0.13213
802.11ax HEW160_Nss1,(MCS0)_4TX	24.16	0.26062
6.875-7.125GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.89	0.03083
802.11ax HEW40_Nss1,(MCS0)_4TX	18.23	0.06653
802.11ax HEW80_Nss1,(MCS0)_4TX	20.48	0.11169
802.11ax HEW160_Nss1,(MCS0)_4TX	23.68	0.23335

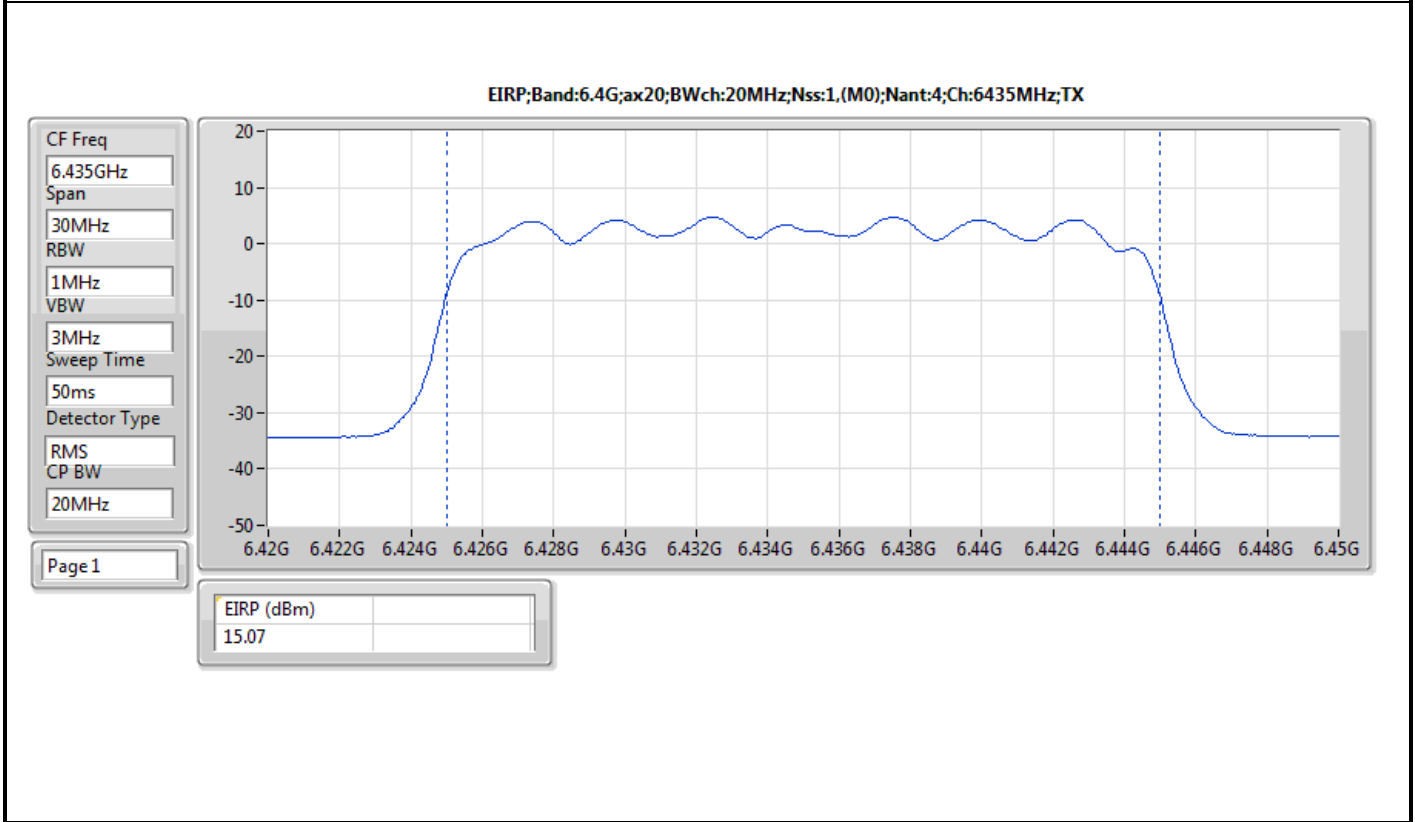
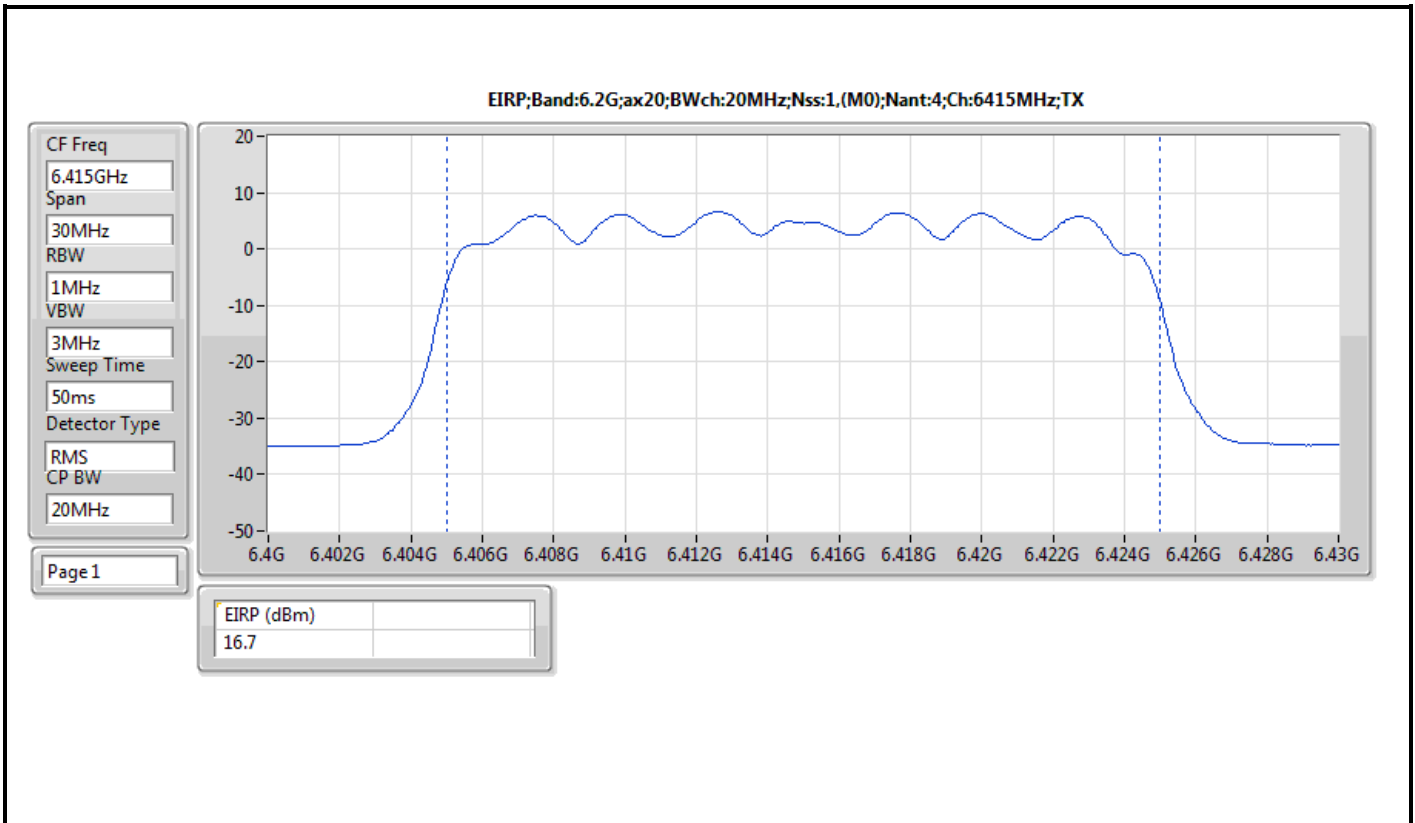


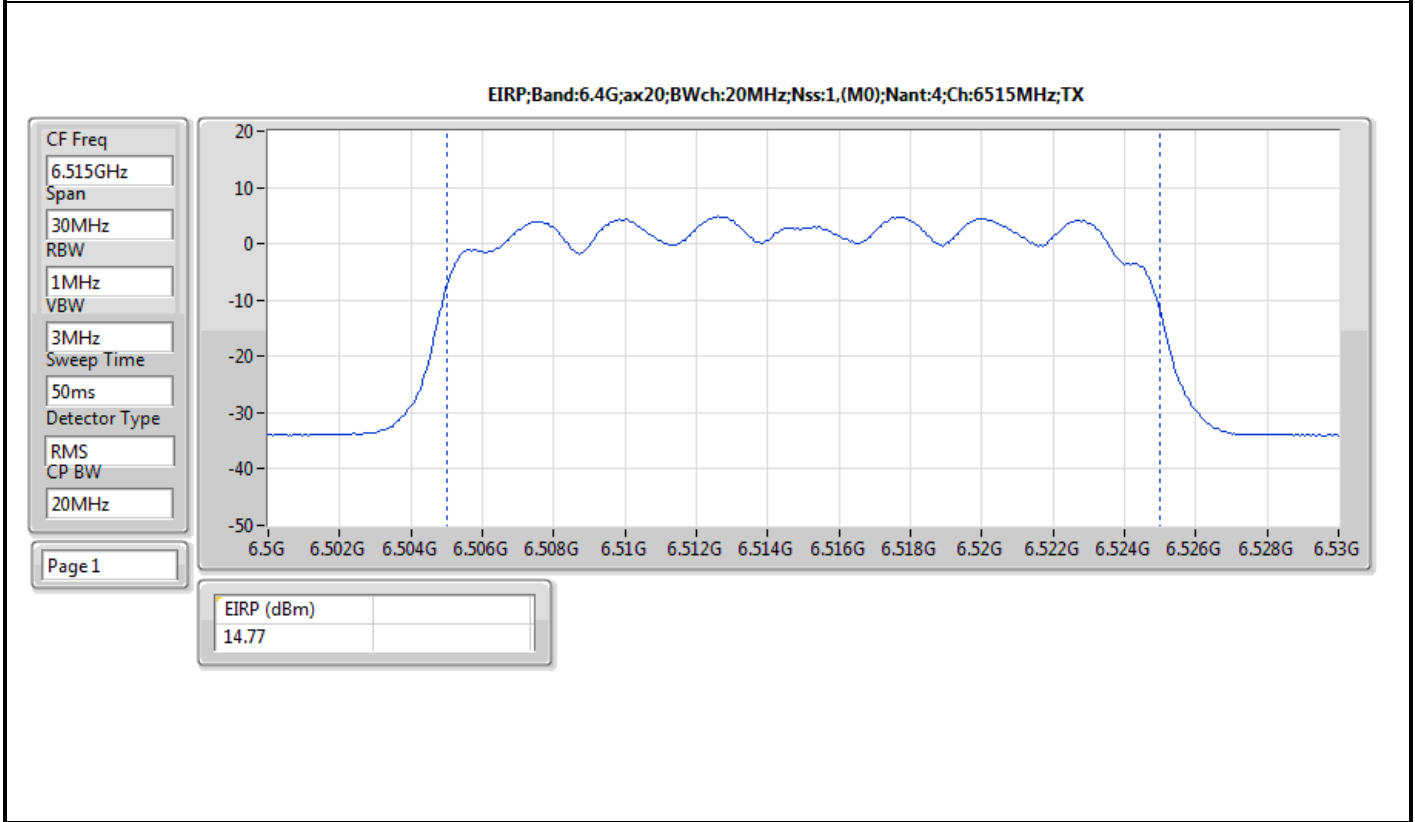
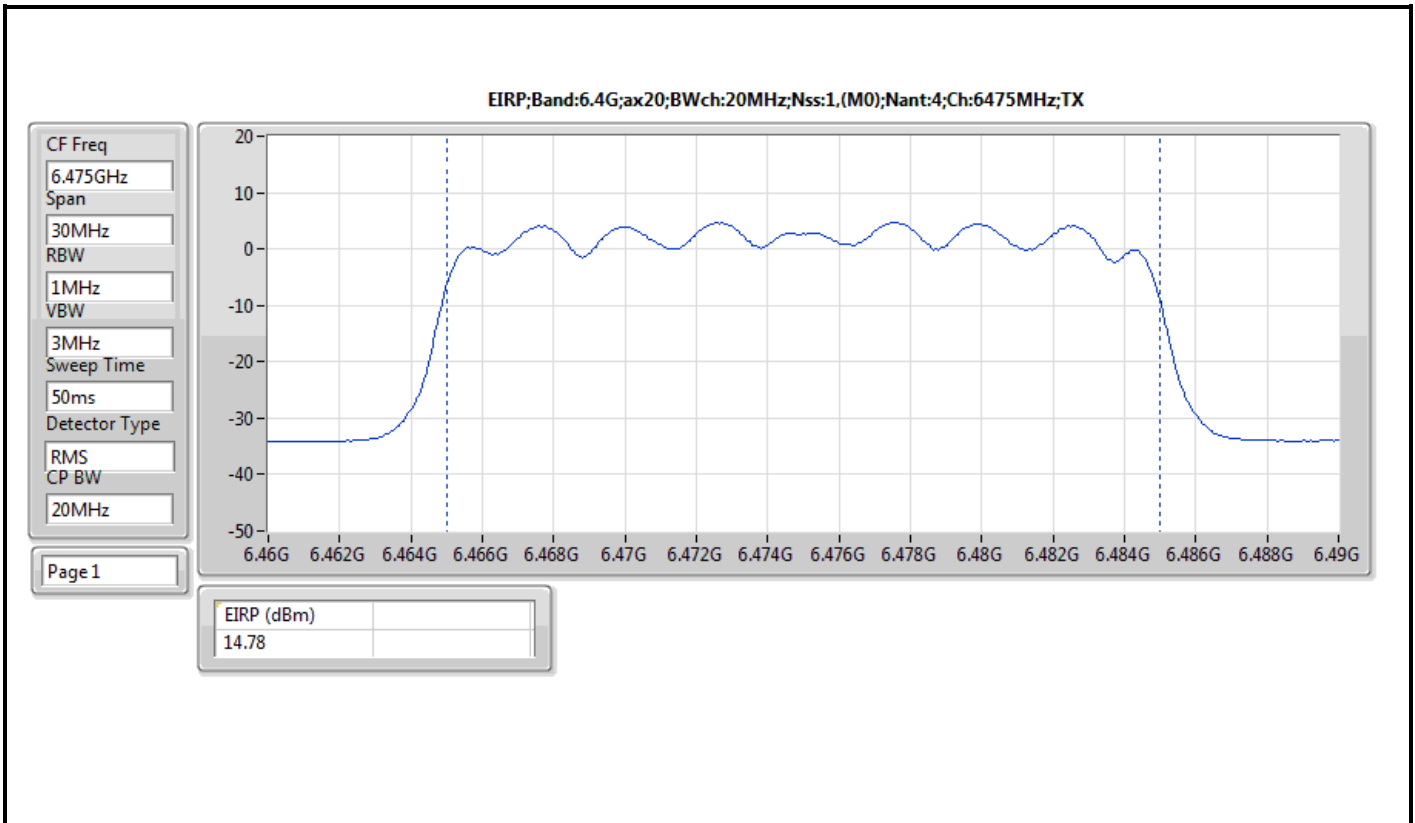
Result

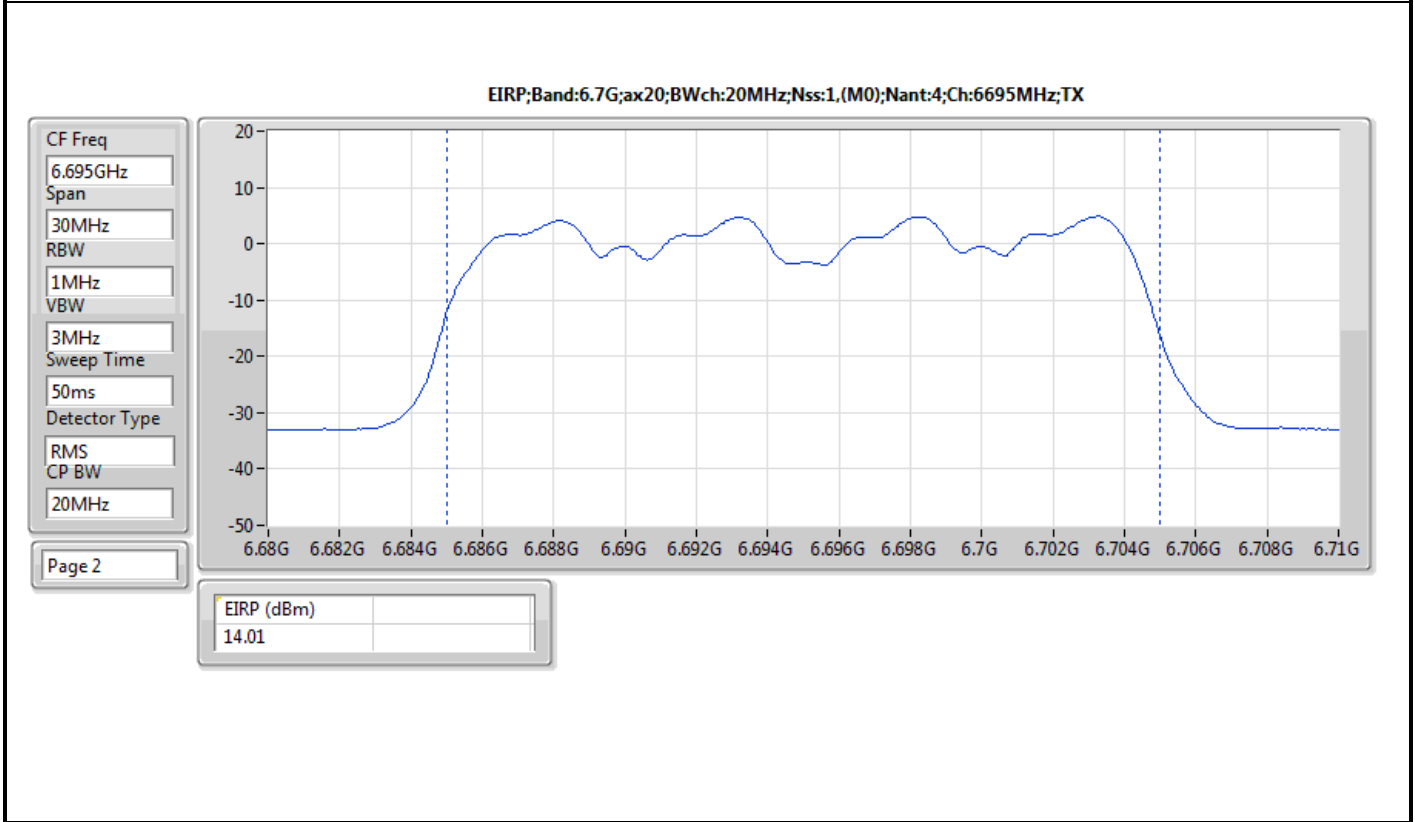
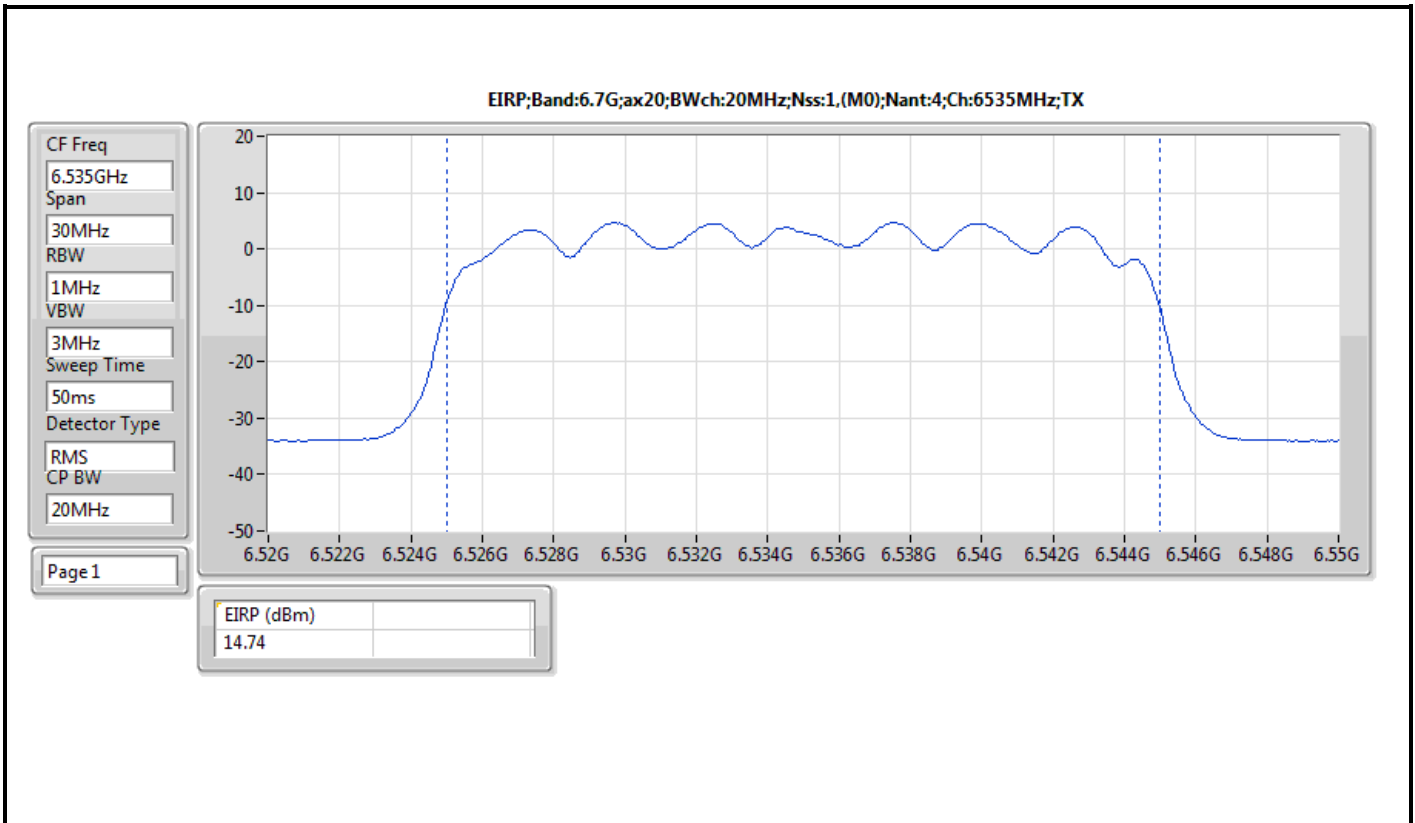
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	14.76	30.00
6175MHz	Pass	15.51	30.00
6415MHz	Pass	16.70	30.00
6435MHz	Pass	15.07	30.00
6475MHz	Pass	14.78	30.00
6515MHz	Pass	14.77	30.00
6535MHz	Pass	14.74	30.00
6695MHz	Pass	14.01	30.00
6855MHz	Pass	14.52	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	14.30	30.00
6895MHz	Pass	14.66	30.00
6995MHz	Pass	14.47	30.00
7095MHz	Pass	14.89	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	18.04	30.00
6165MHz	Pass	18.65	30.00
6405MHz	Pass	18.70	30.00
6445MHz	Pass	19.27	30.00
6485MHz	Pass	18.12	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	18.39	30.00
6565MHz	Pass	18.08	30.00
6685MHz	Pass	18.68	30.00
6845MHz	Pass	17.46	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	18.06	30.00
6925MHz	Pass	17.95	30.00
7005MHz	Pass	18.04	30.00
7085MHz	Pass	18.23	30.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	21.27	30.00
6145MHz	Pass	21.62	30.00
6385MHz	Pass	21.83	30.00
6465MHz	Pass	22.05	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	21.02	30.00
6625MHz	Pass	21.21	30.00
6705MHz	Pass	20.43	30.00
6785MHz	Pass	20.31	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	20.41	30.00
6945MHz	Pass	20.48	30.00
7025MHz	Pass	20.28	30.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	24.53	30.00
6185MHz	Pass	23.75	30.00
6345MHz	Pass	24.20	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	23.89	30.00
6665MHz	Pass	24.16	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	23.16	30.00
6985MHz	Pass	23.68	30.00

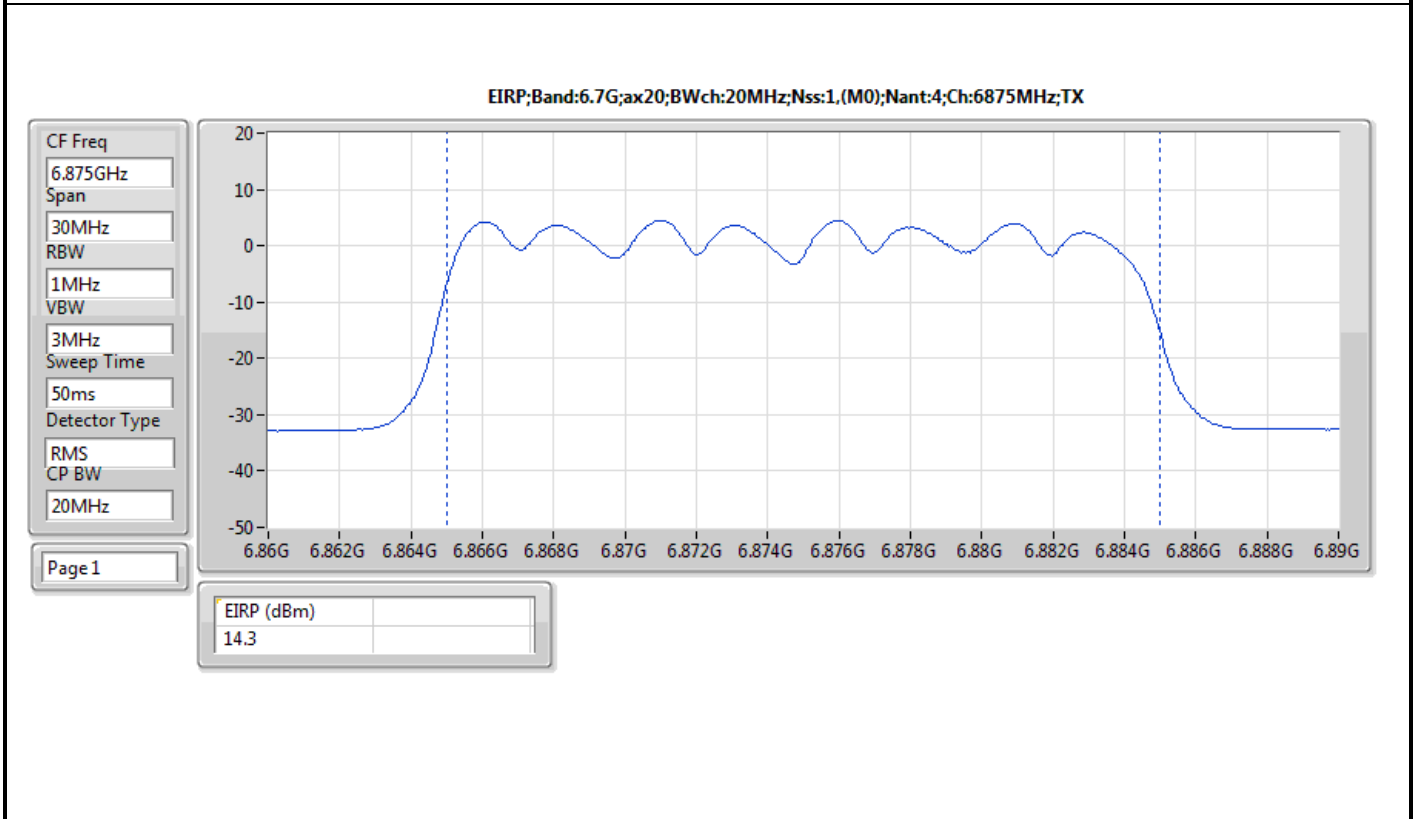
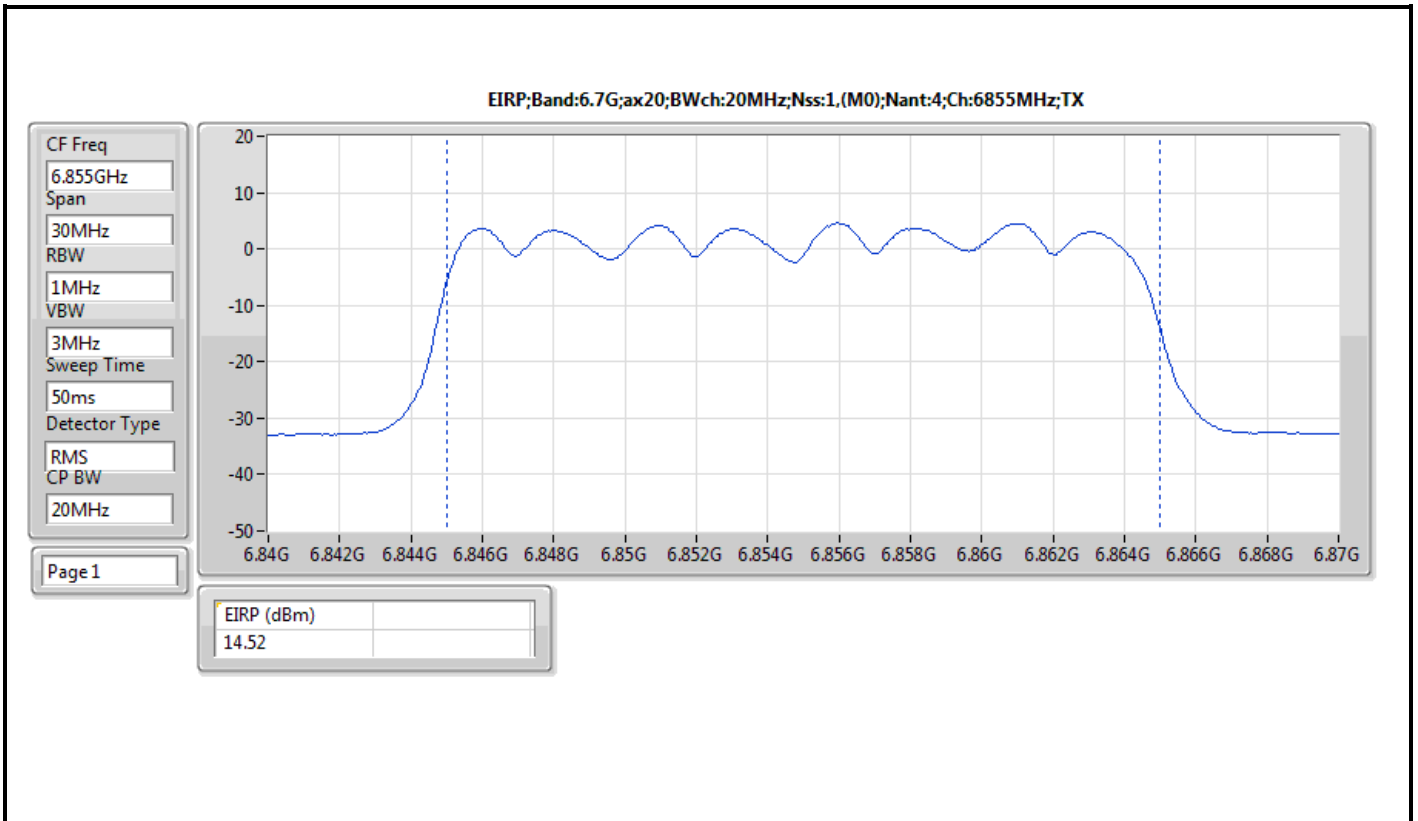
DG = Directional Gain; Port X = Port X output power

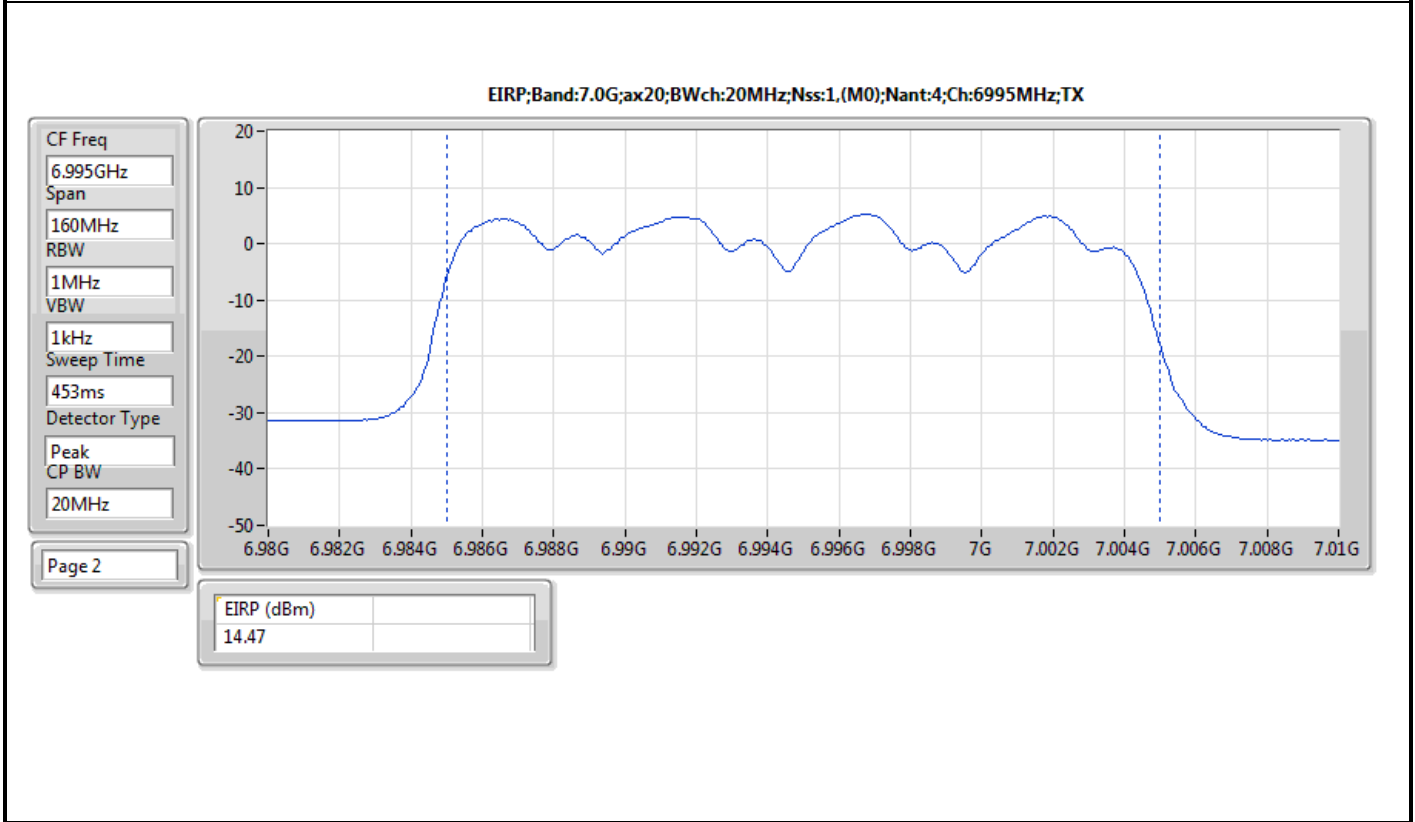
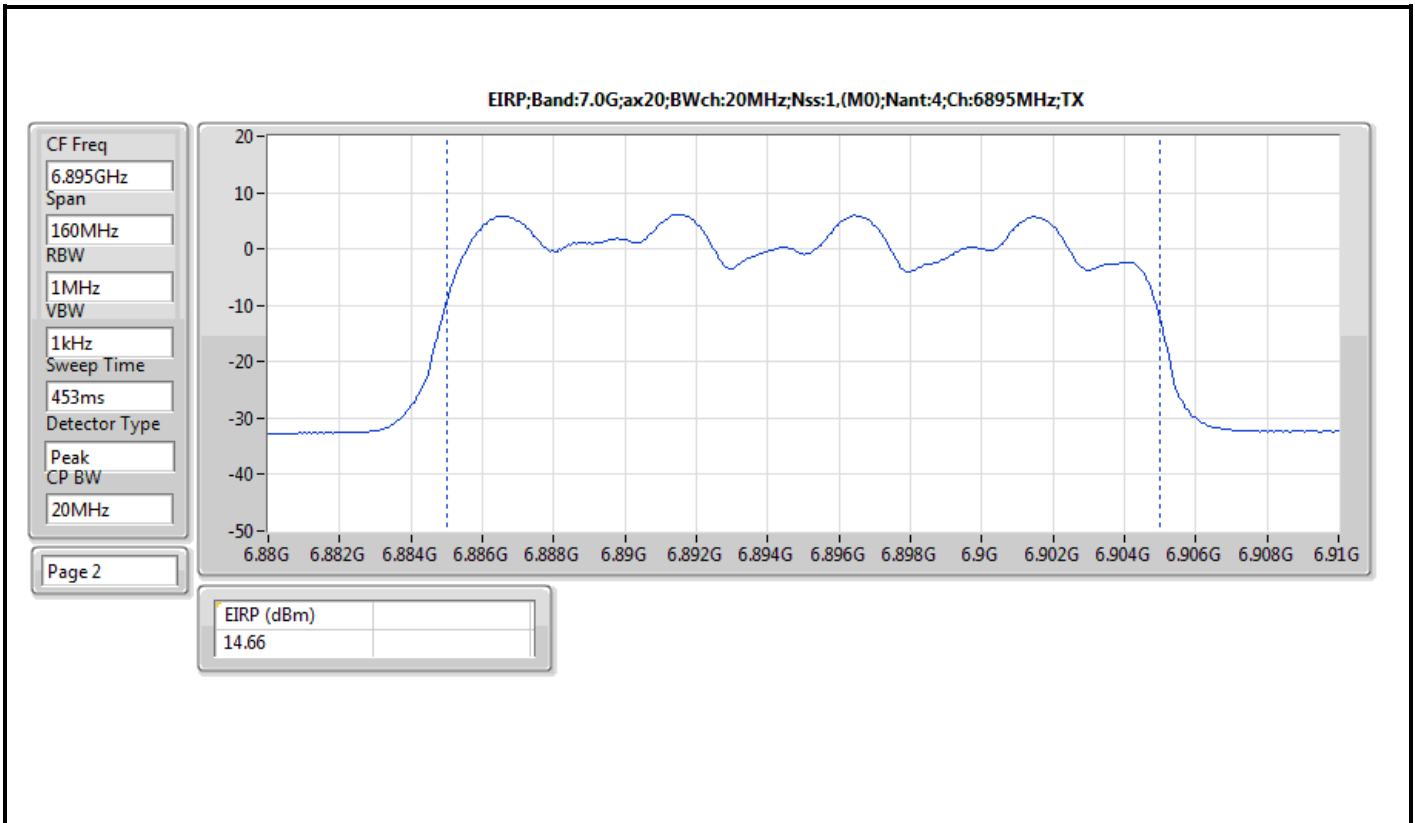


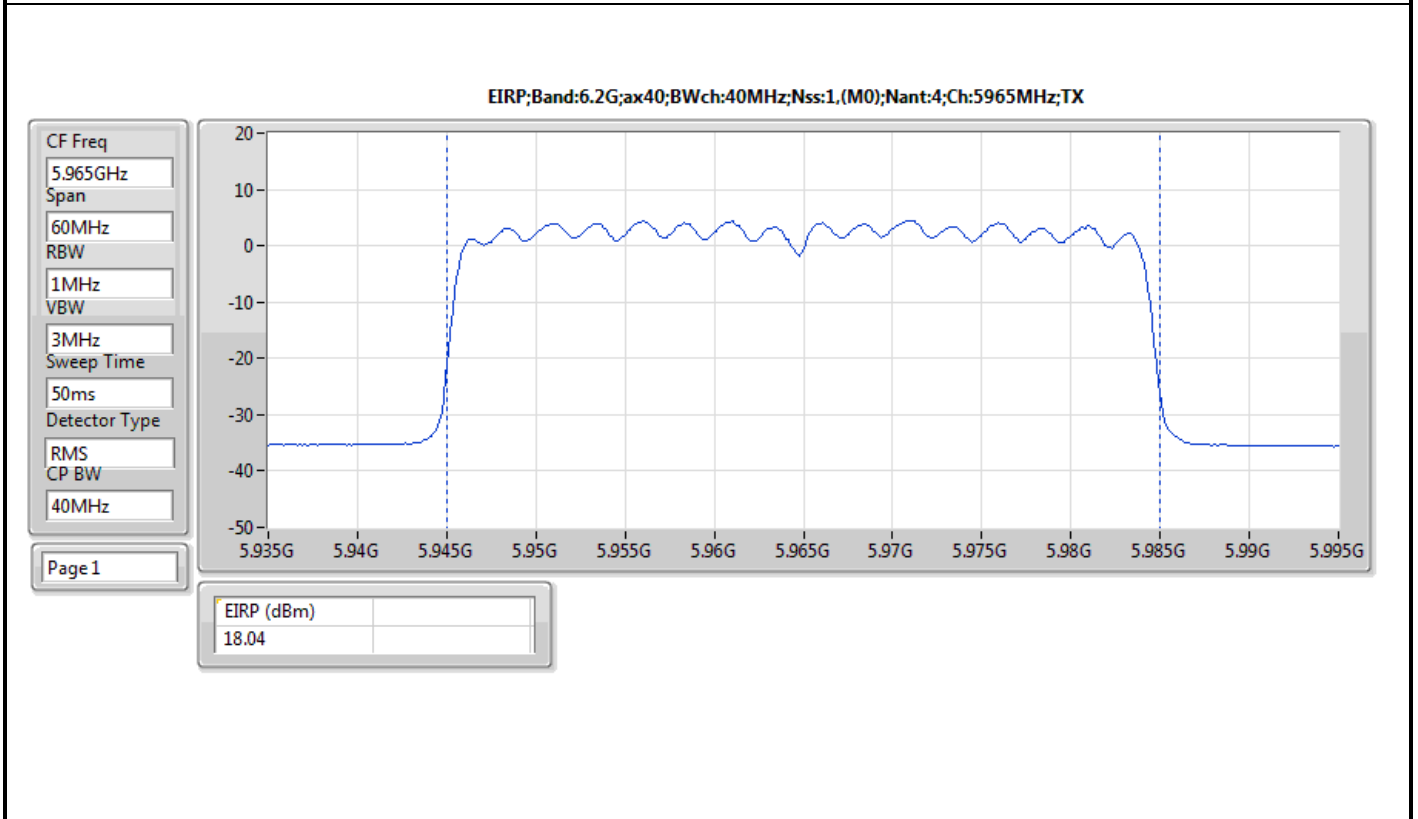
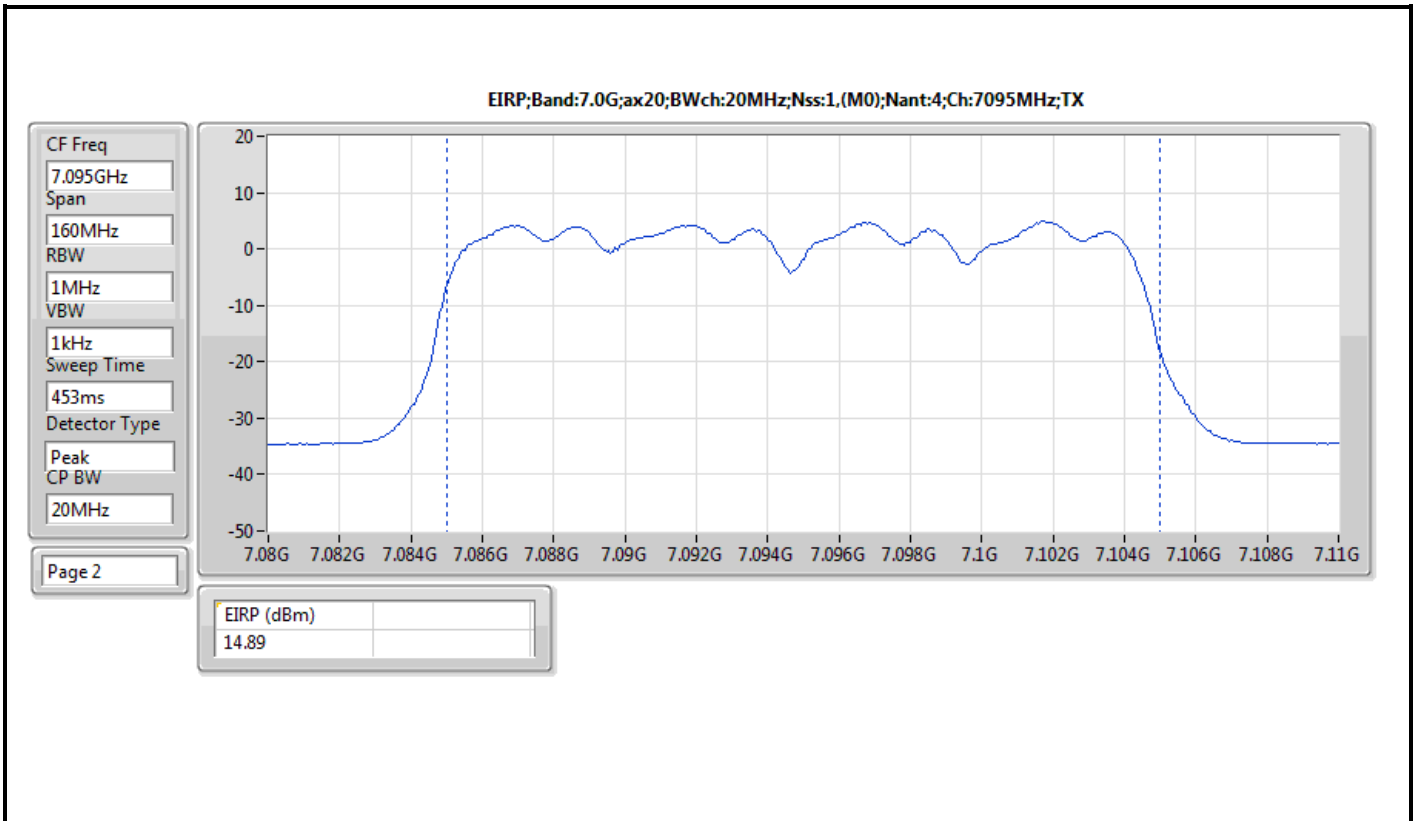


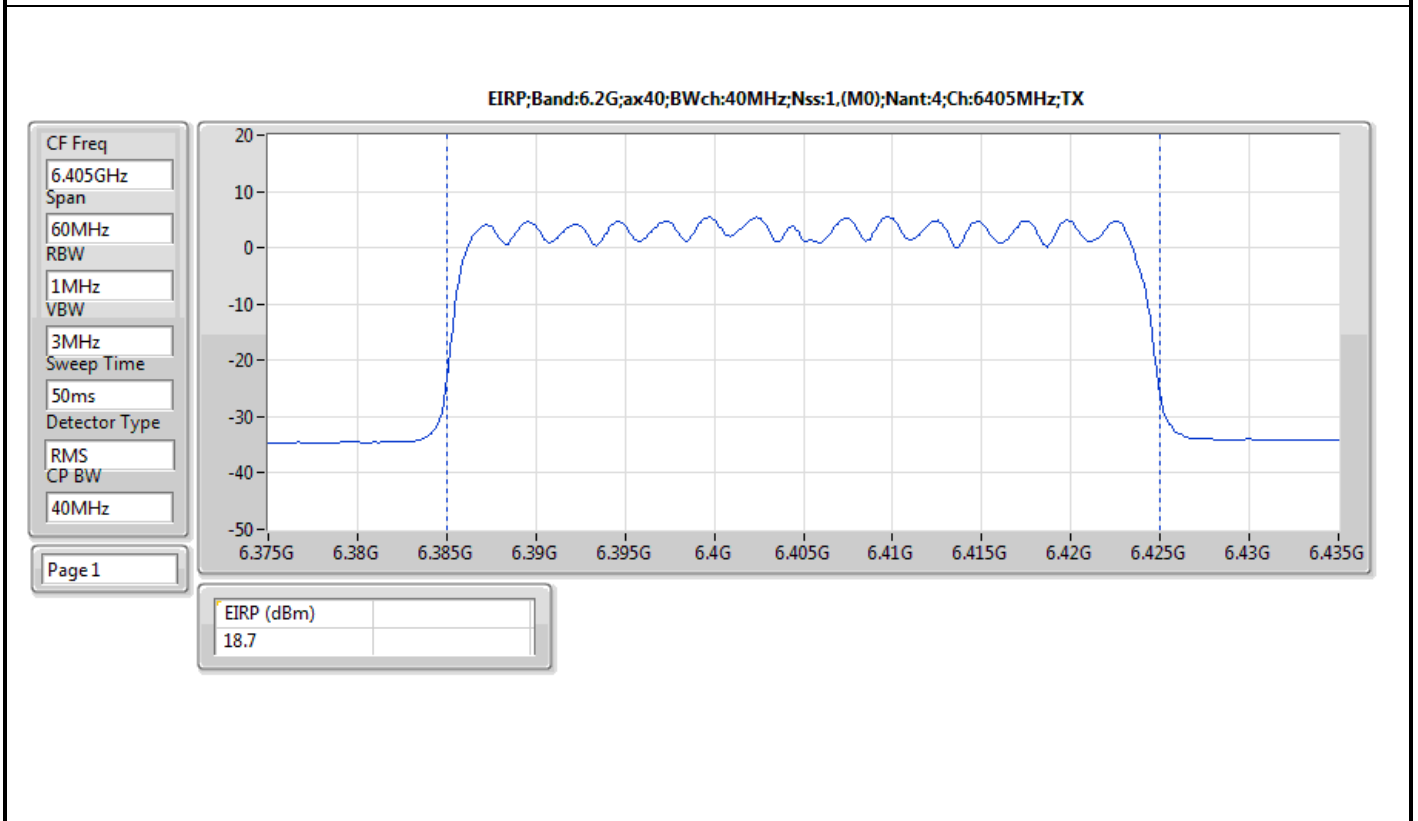
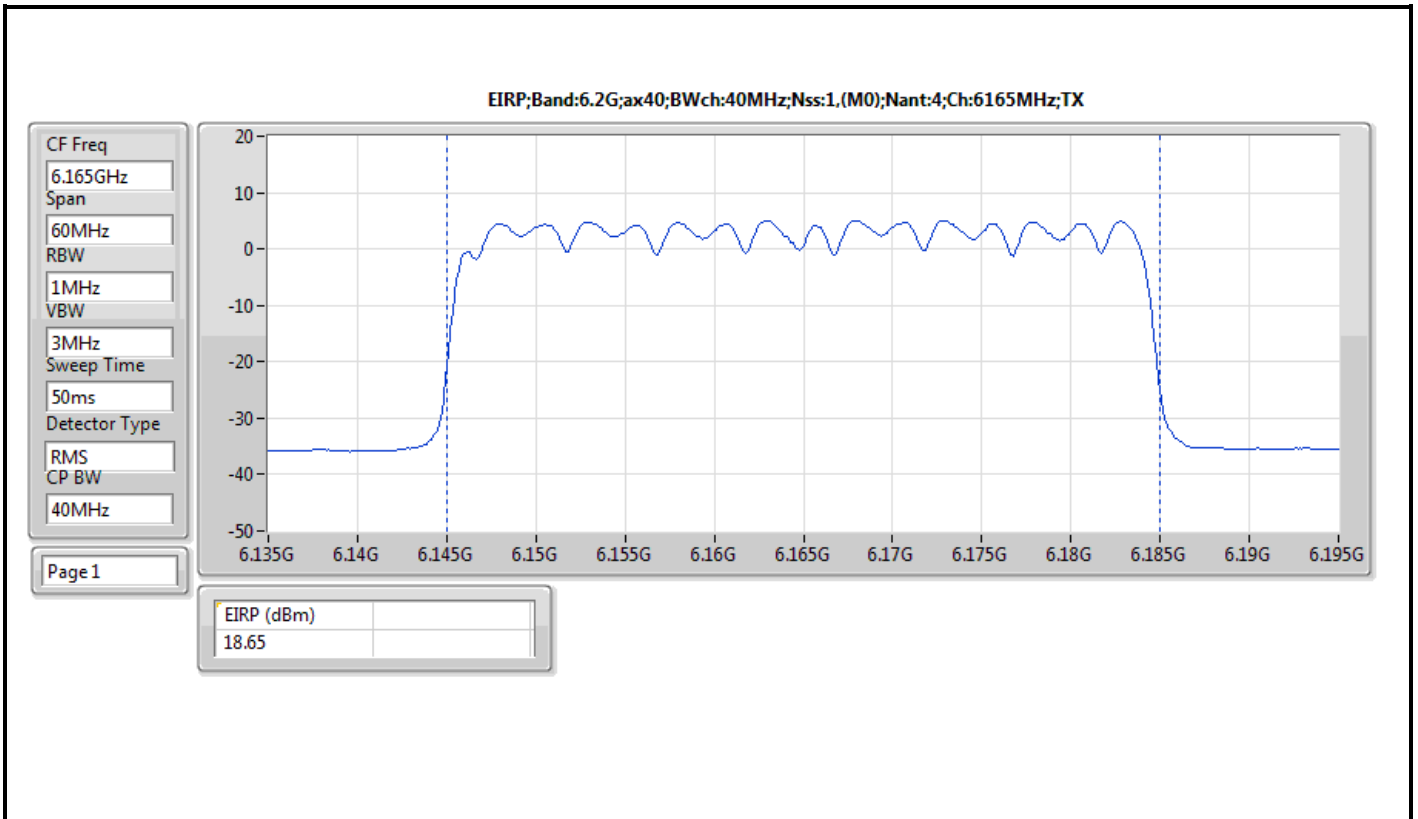


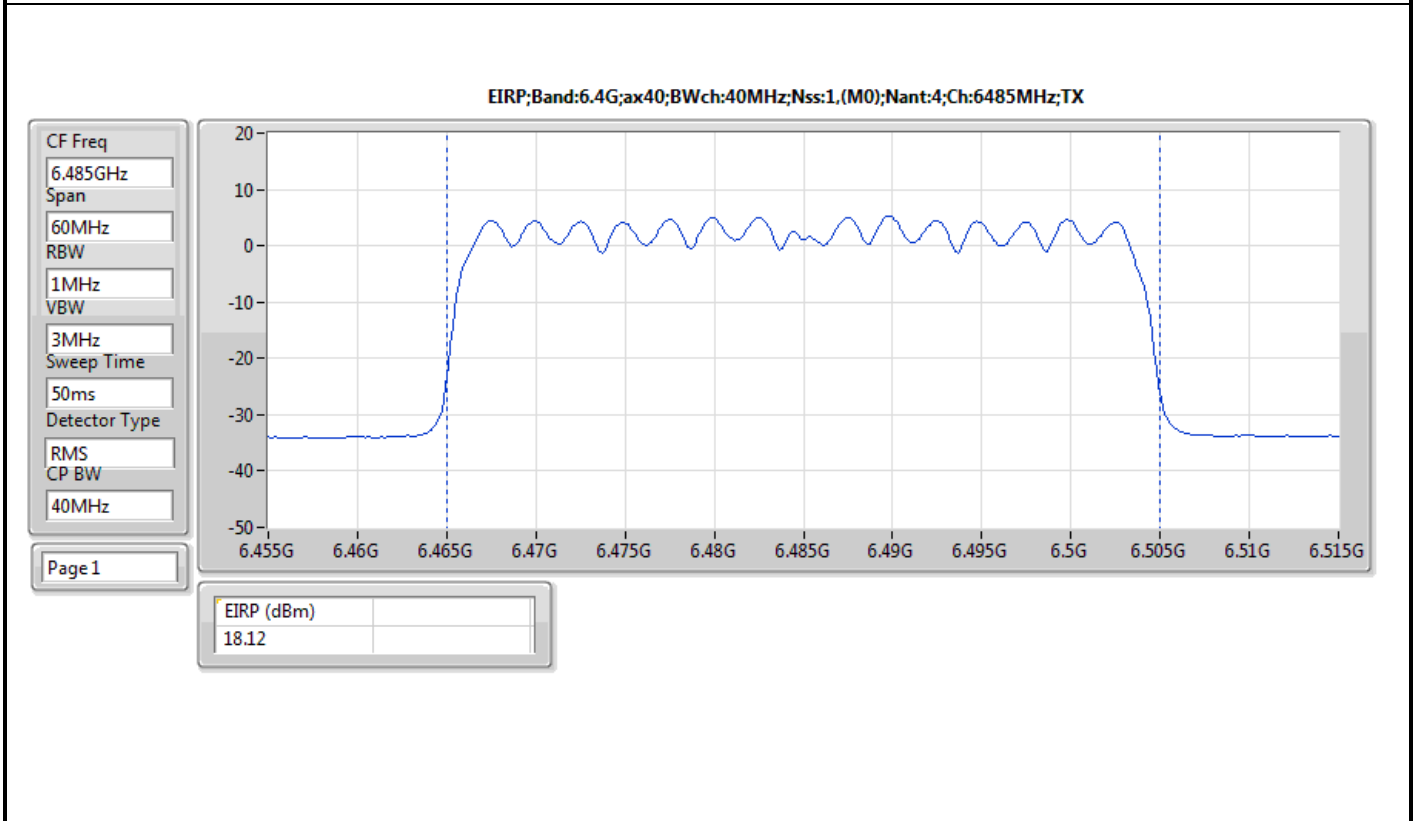
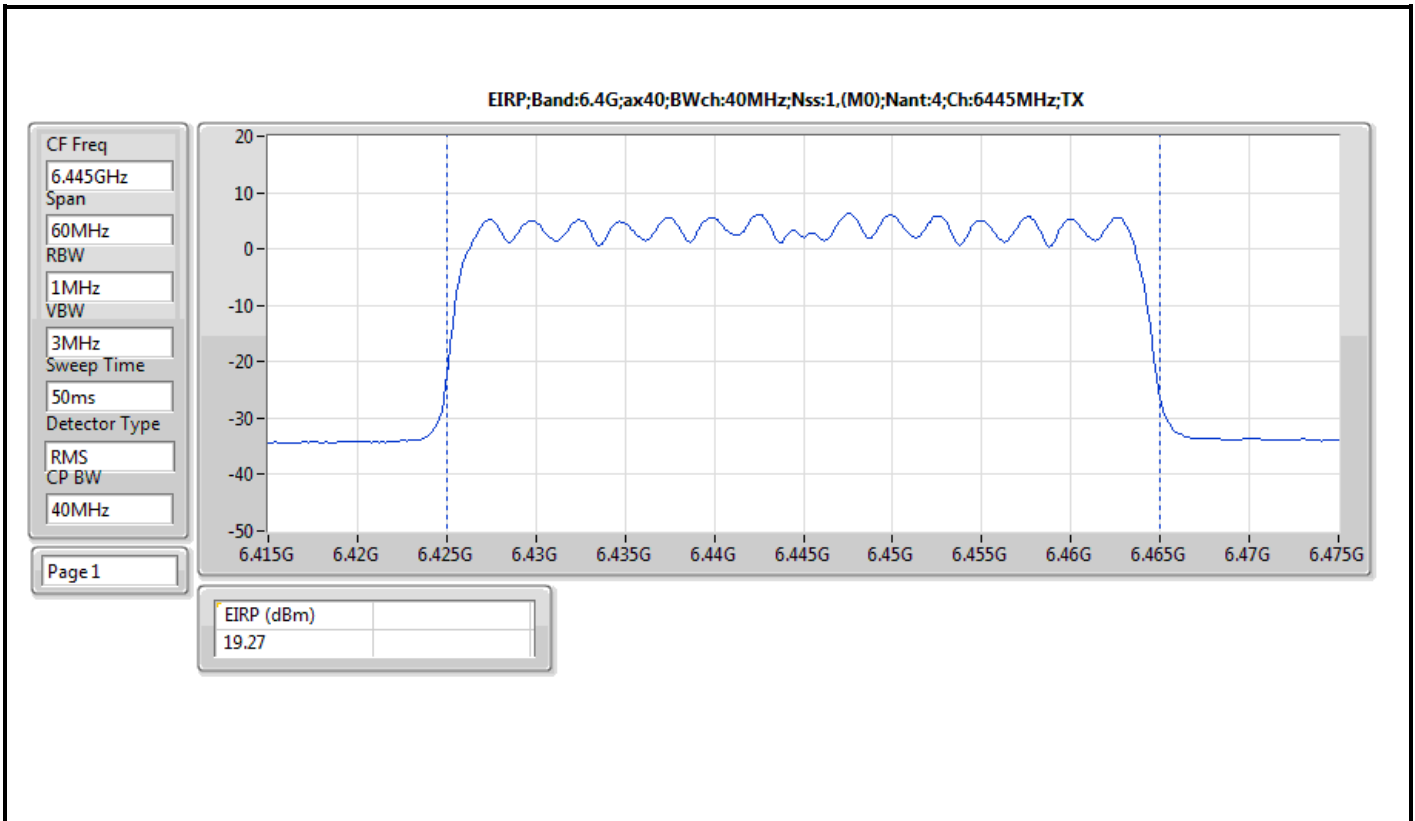


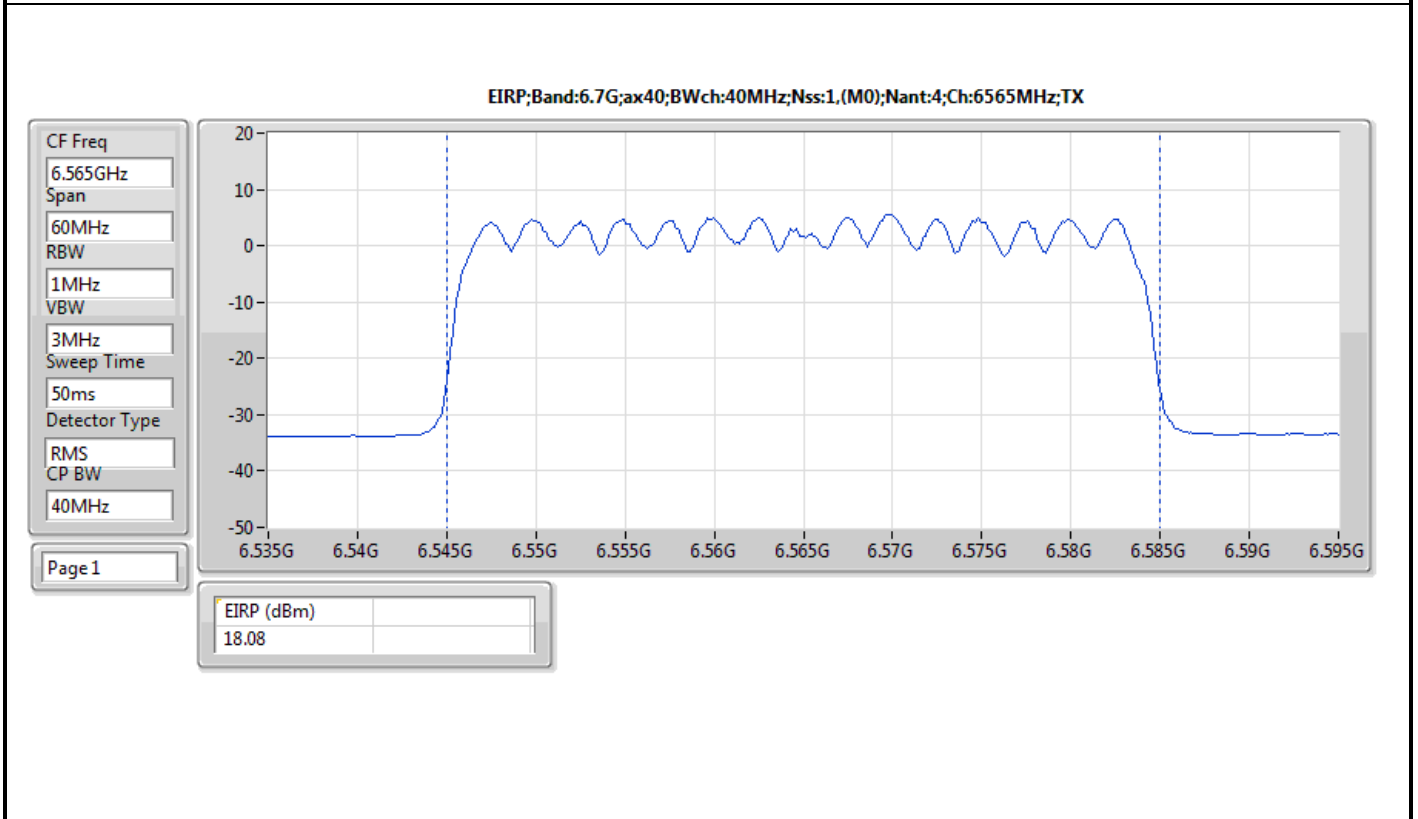
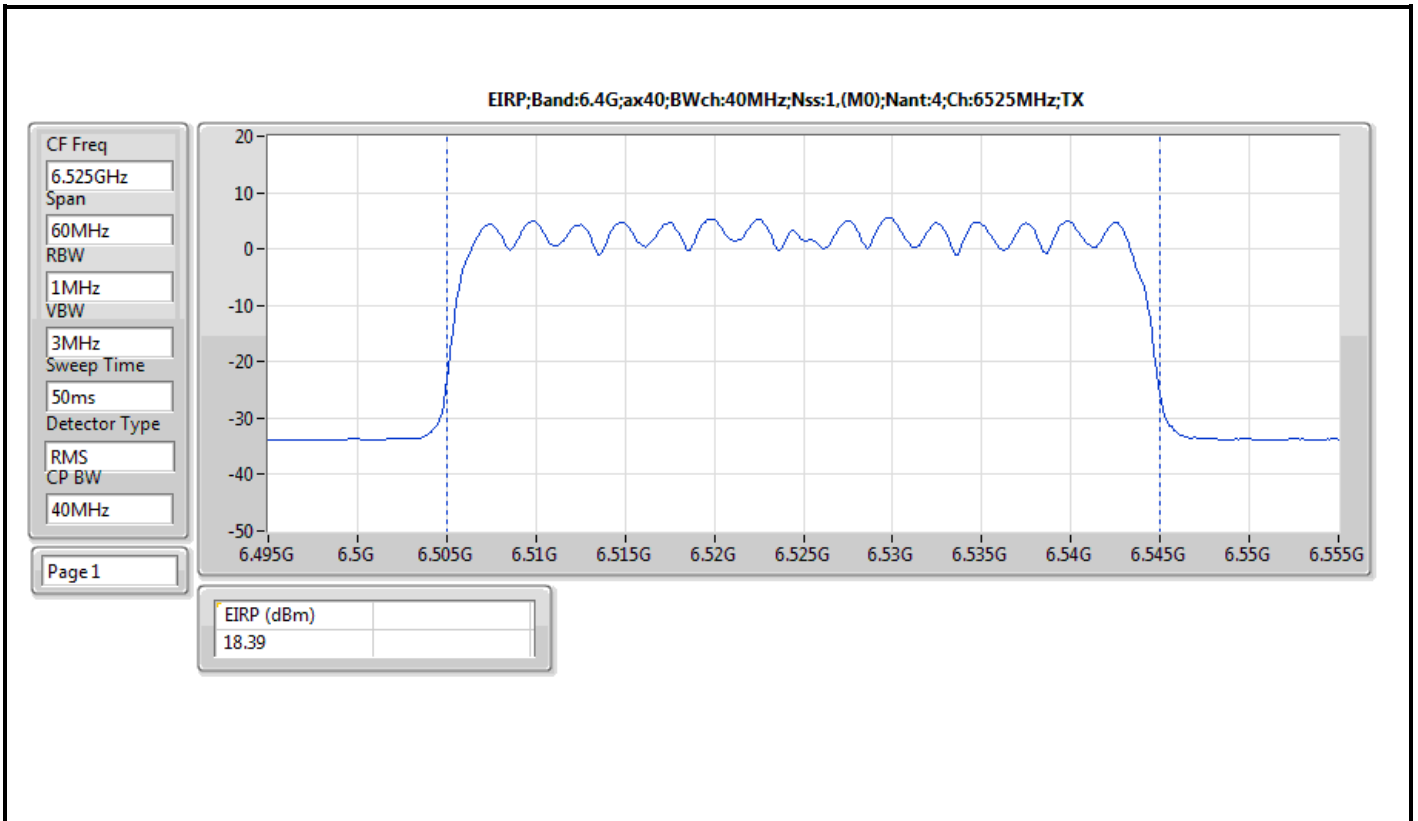


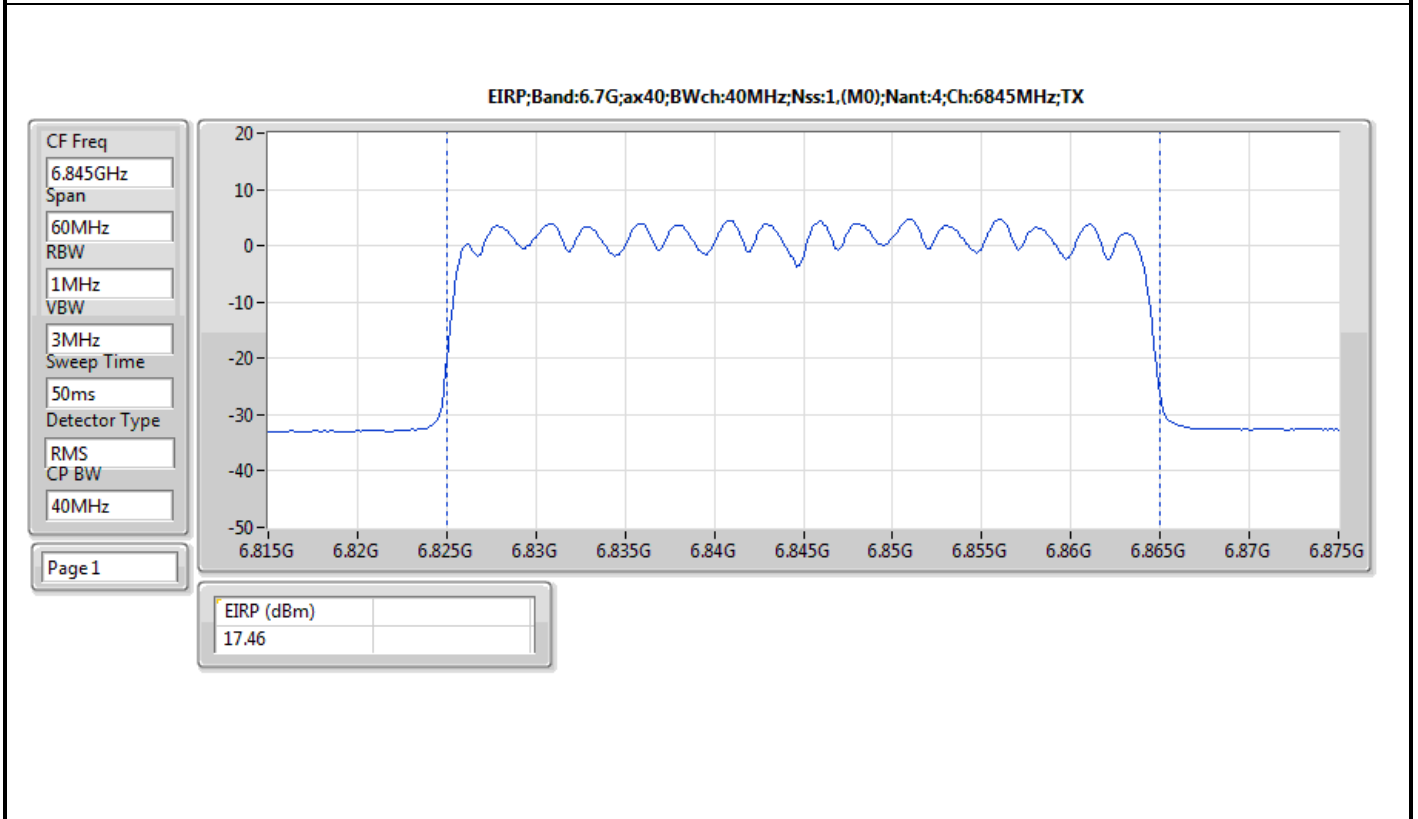
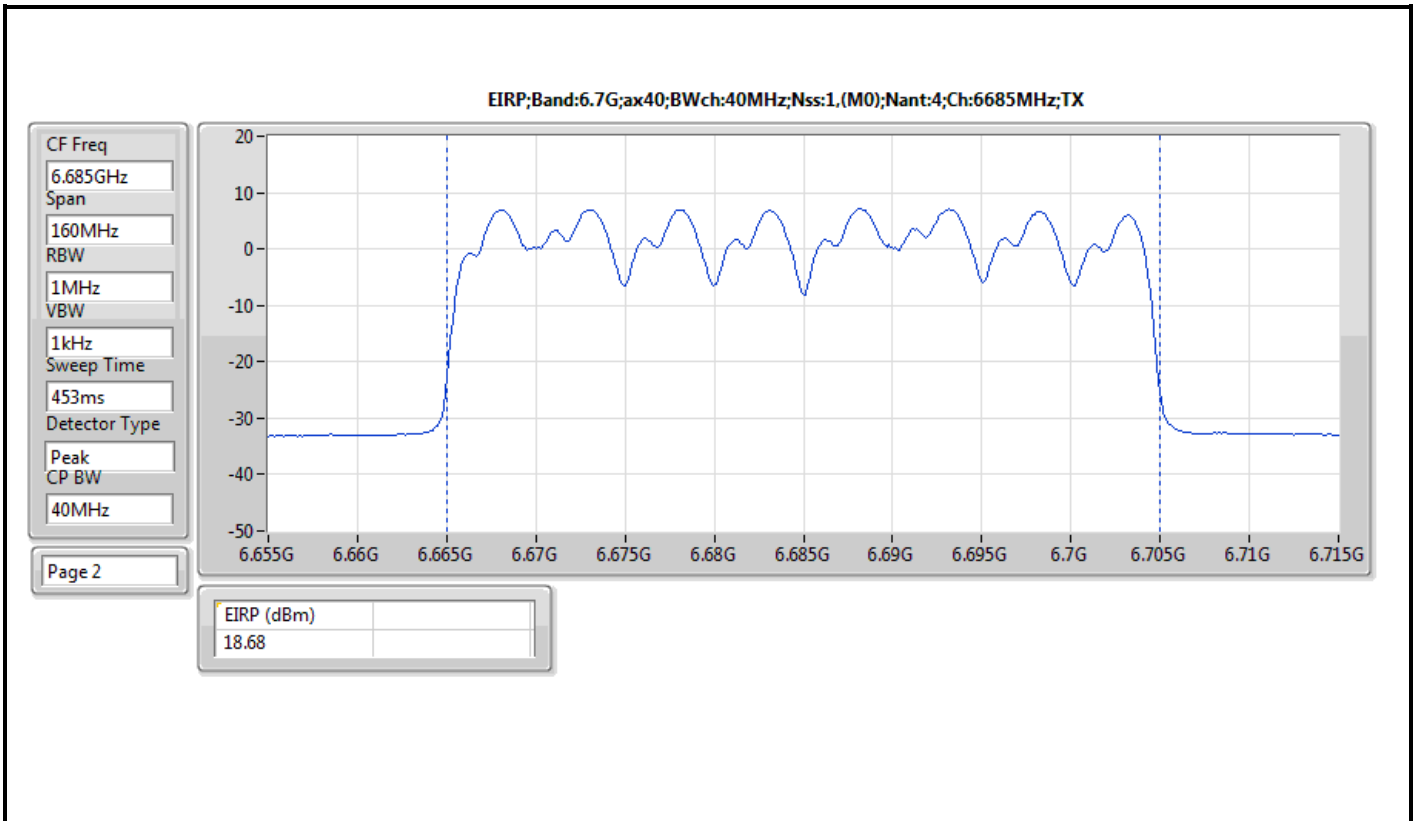


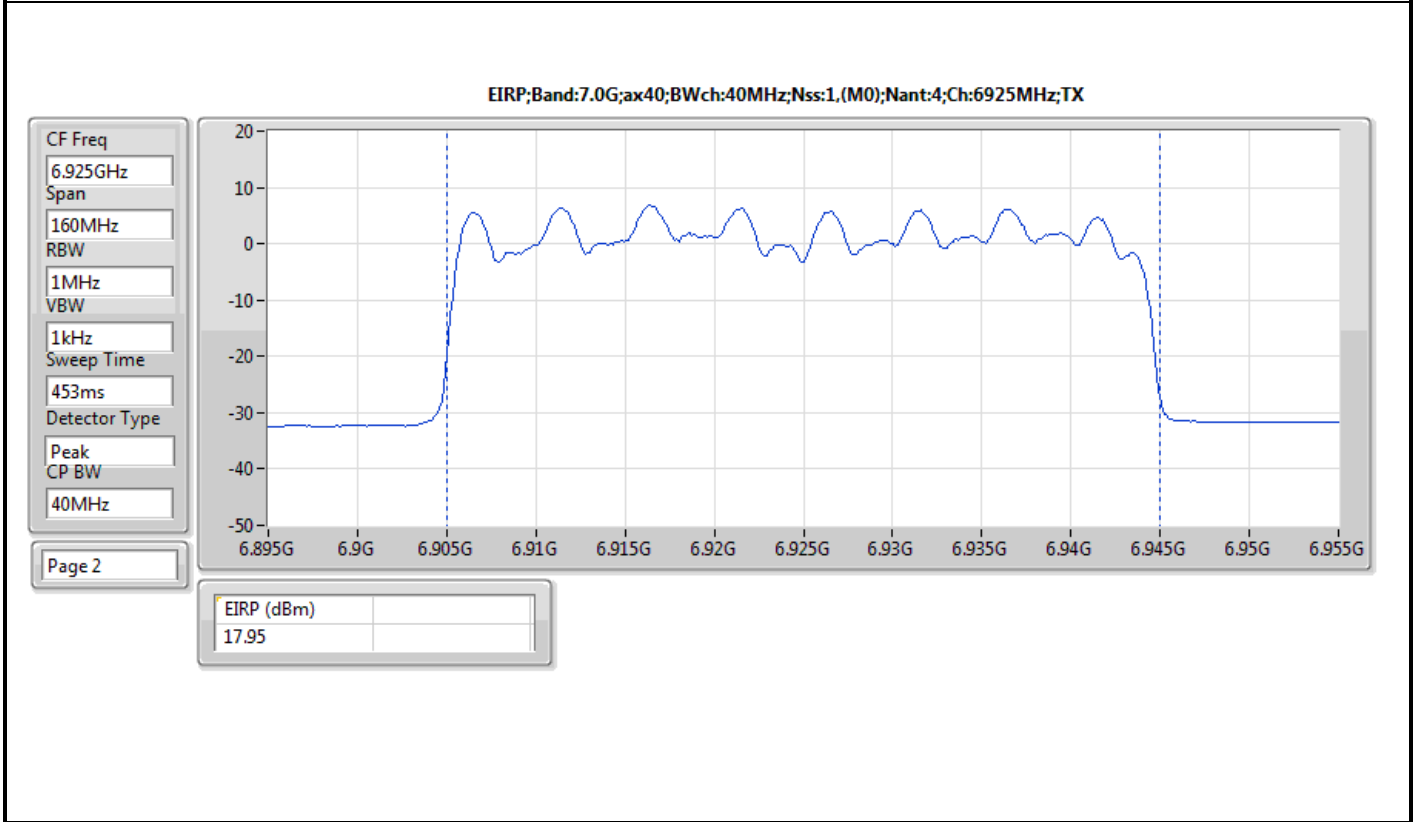
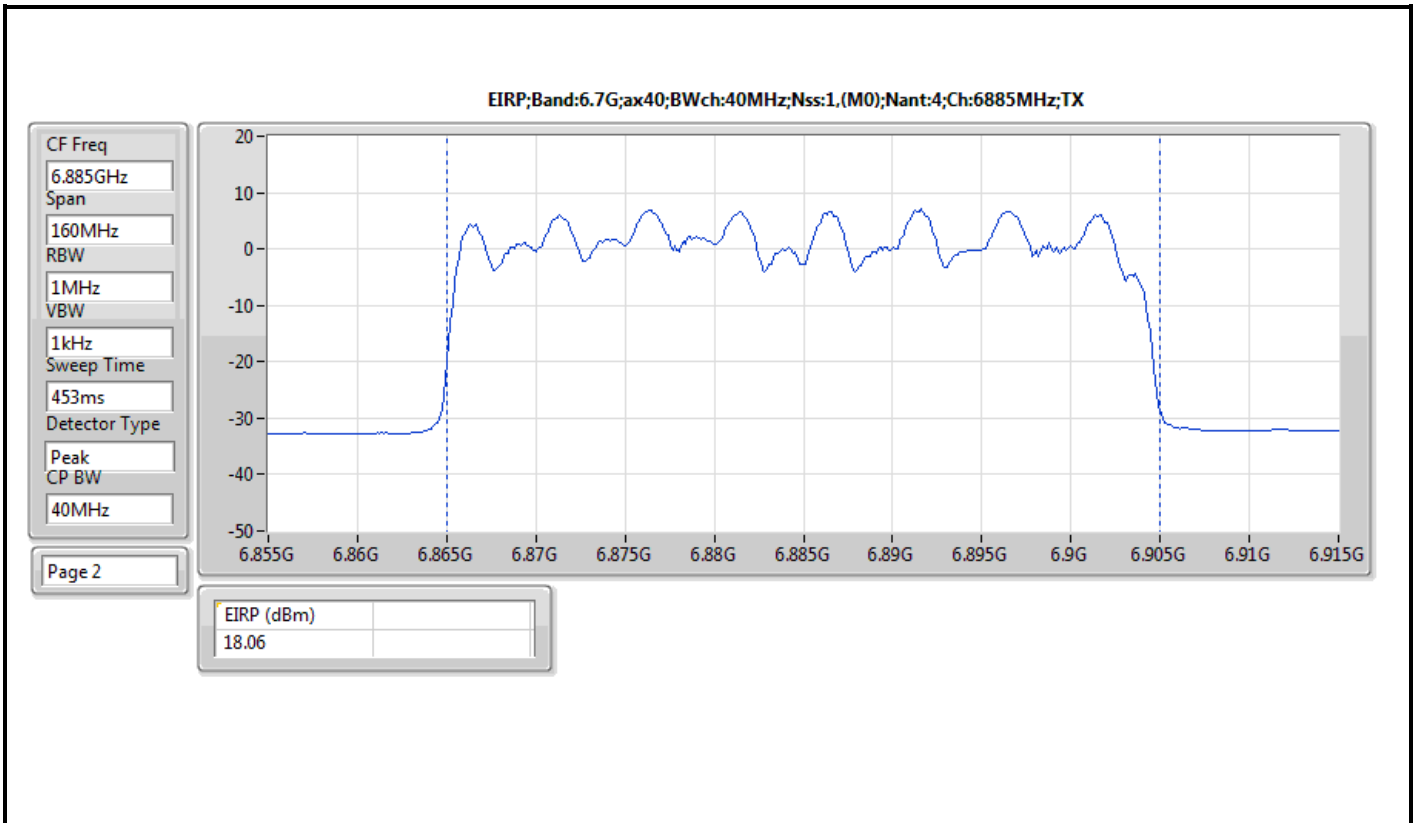


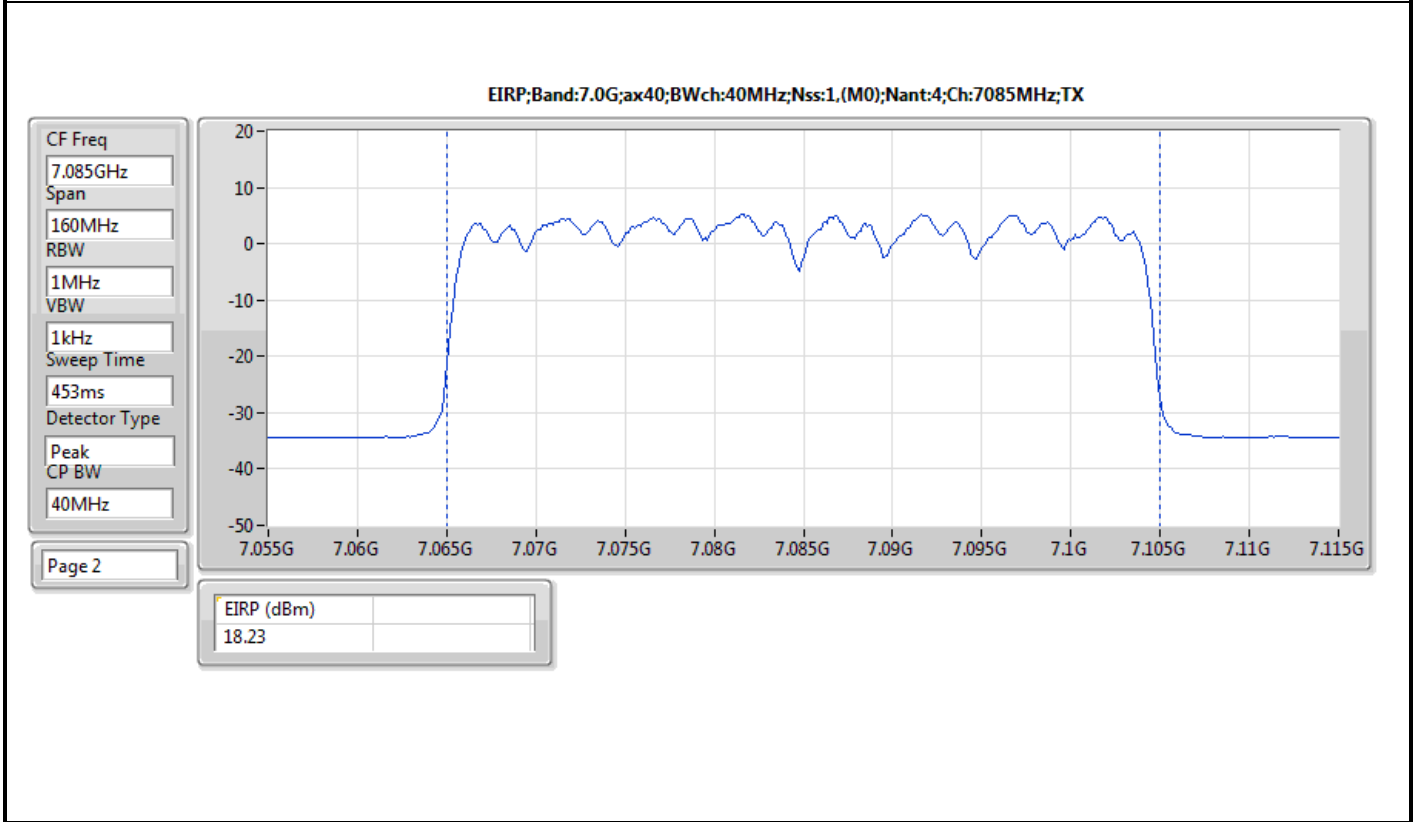
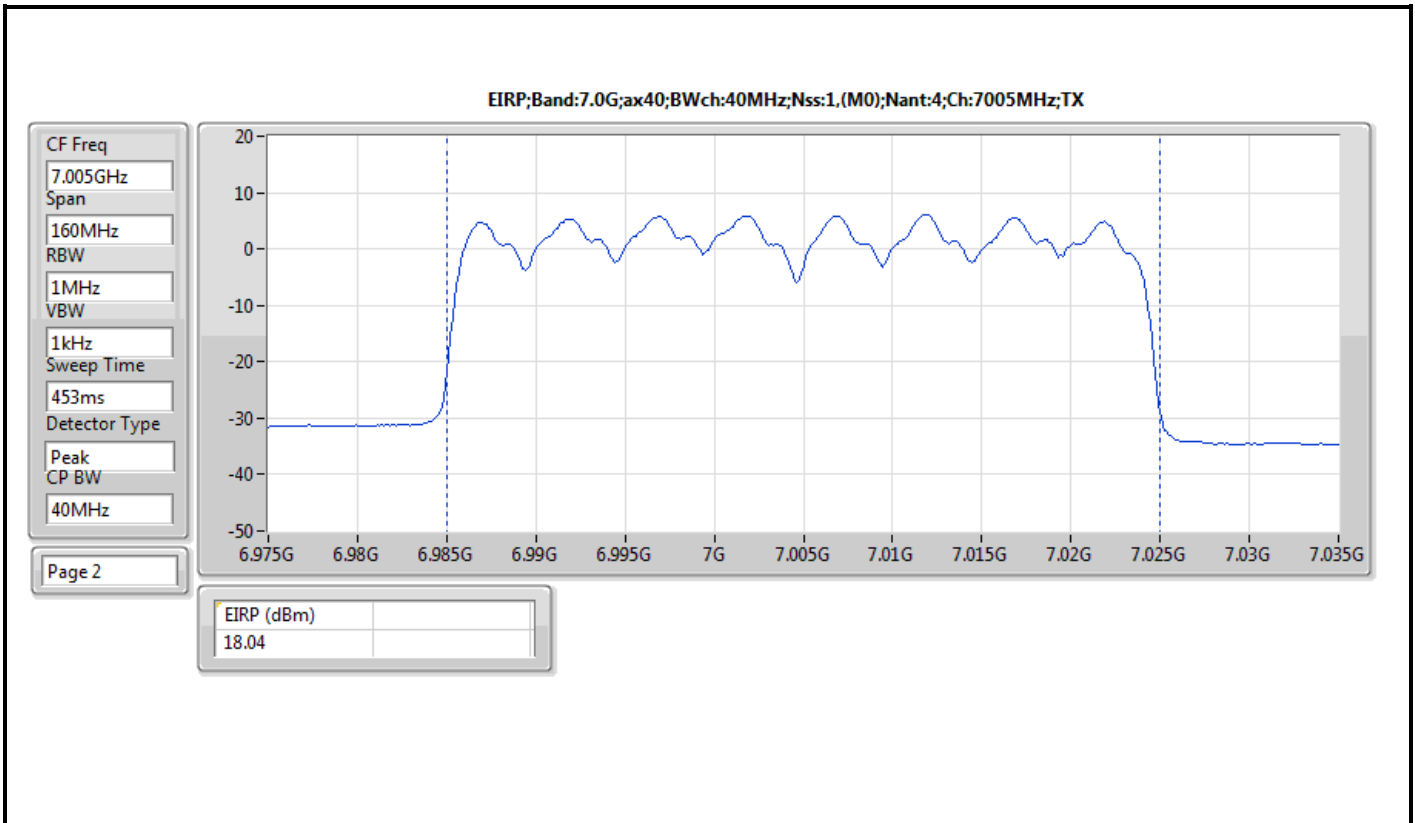


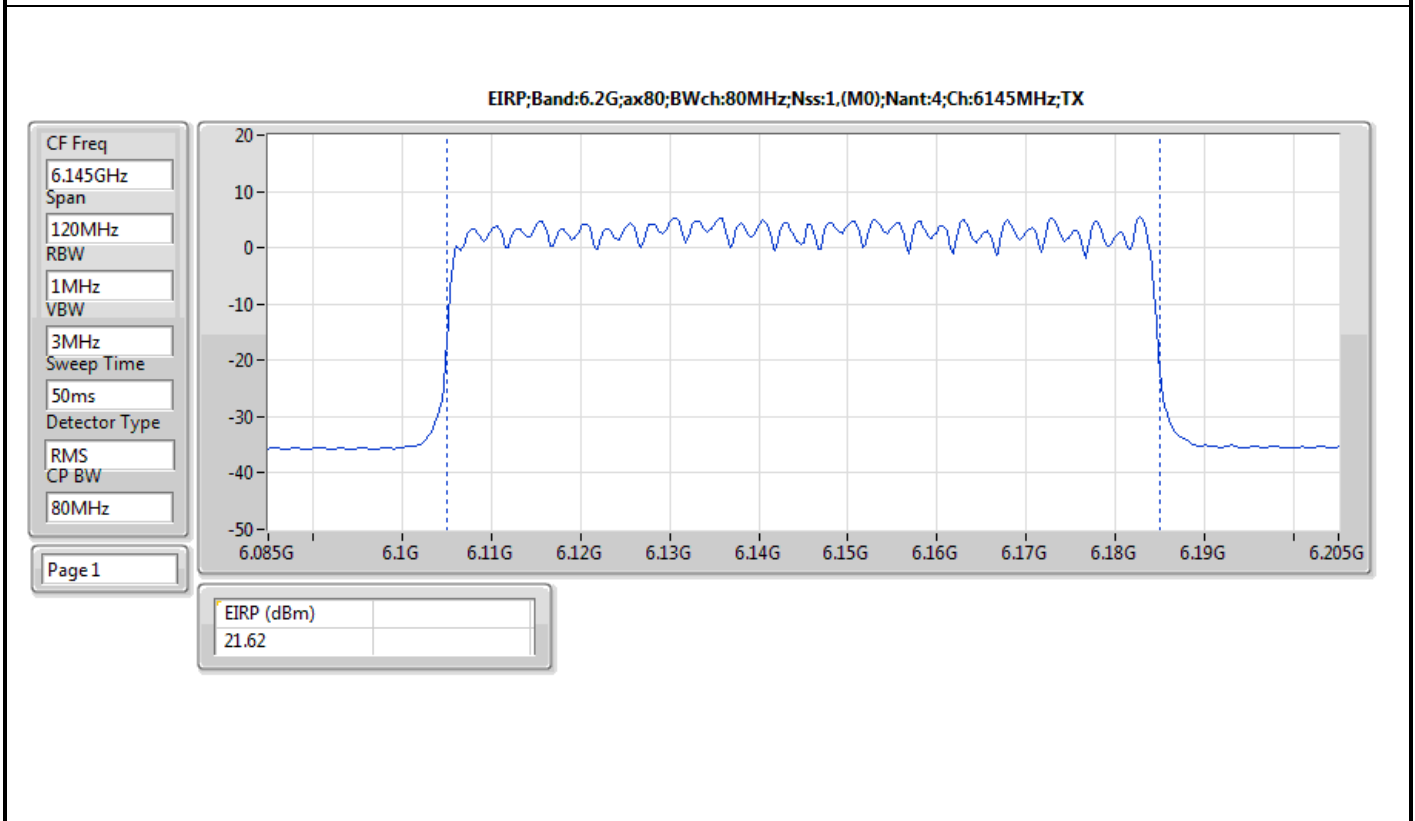
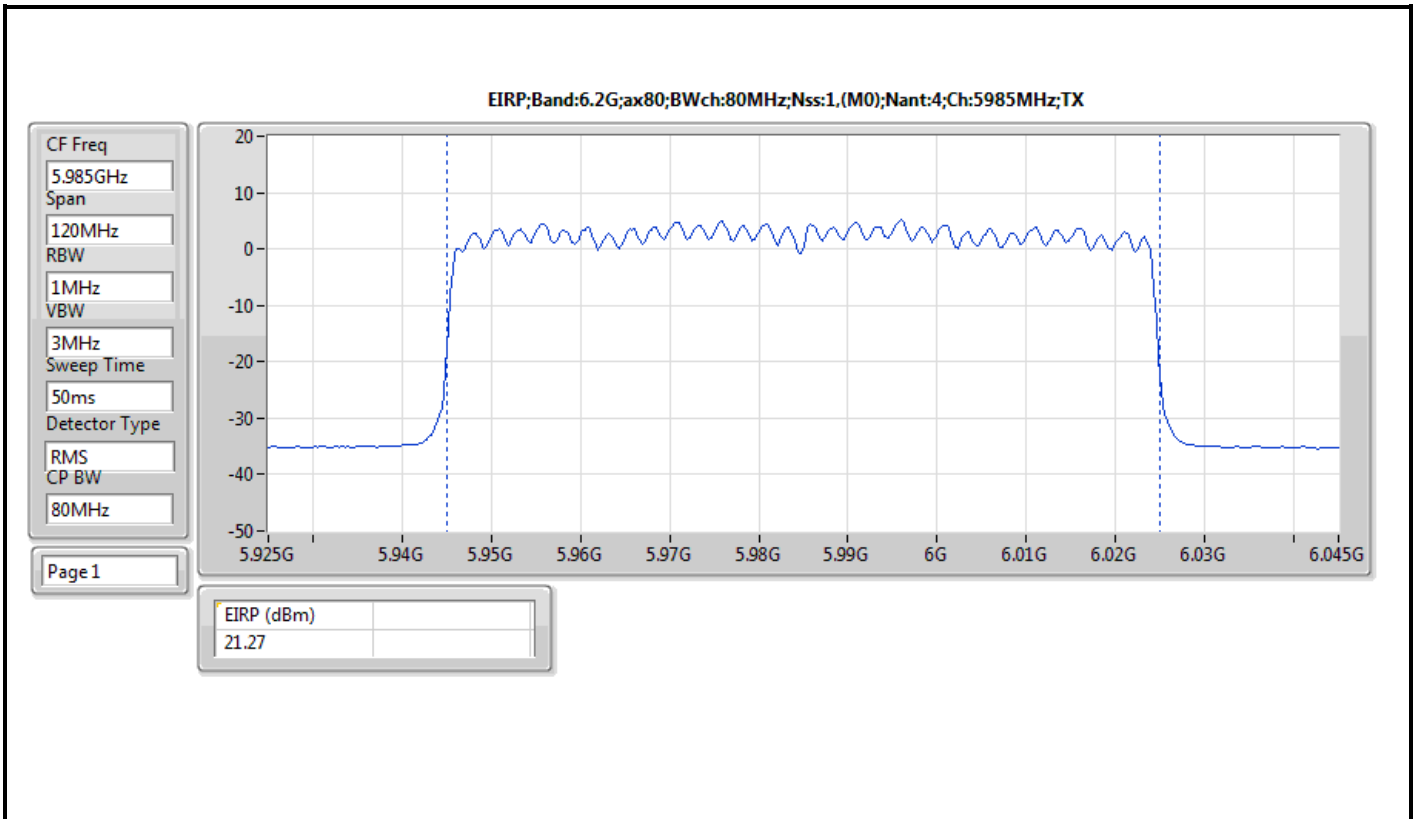


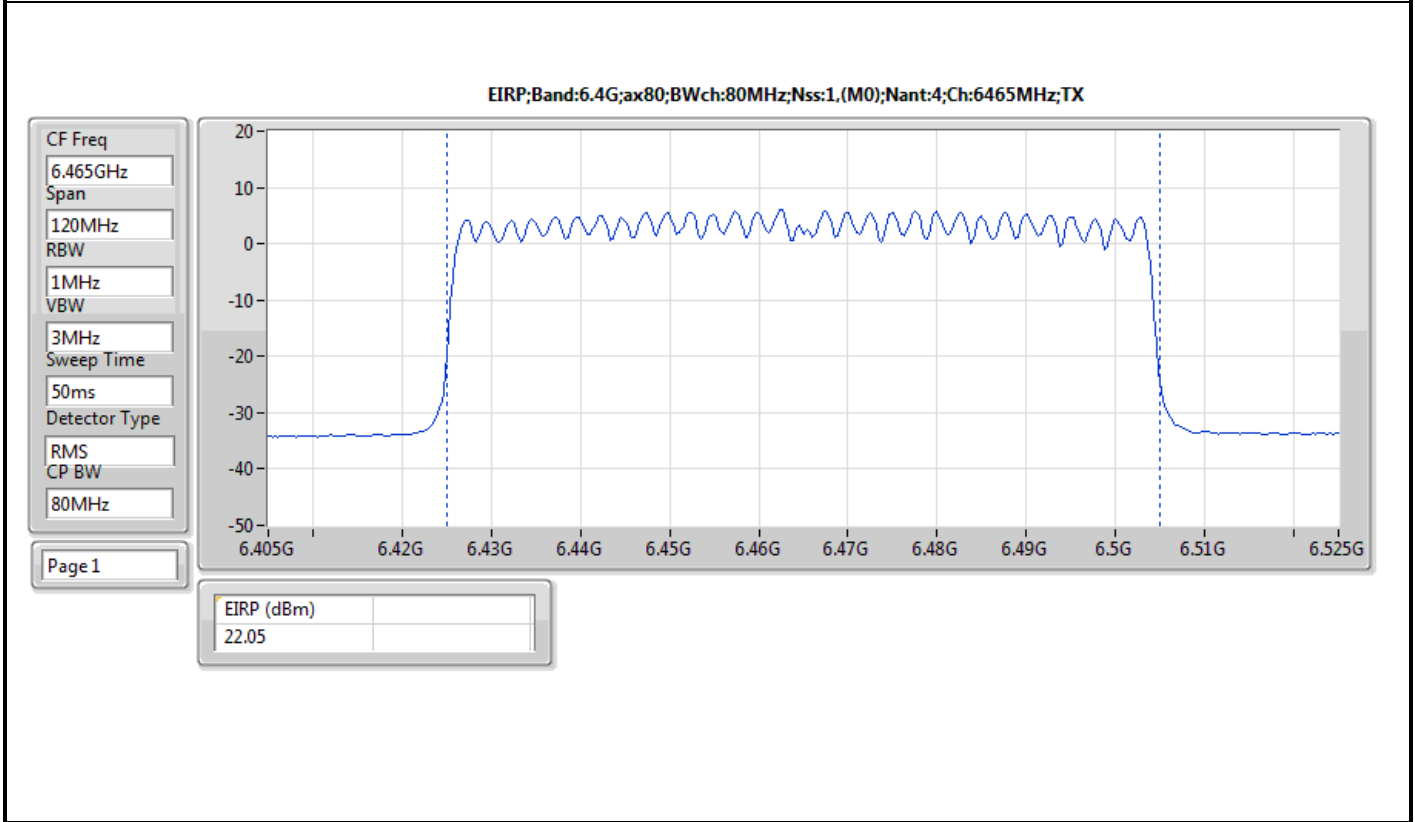
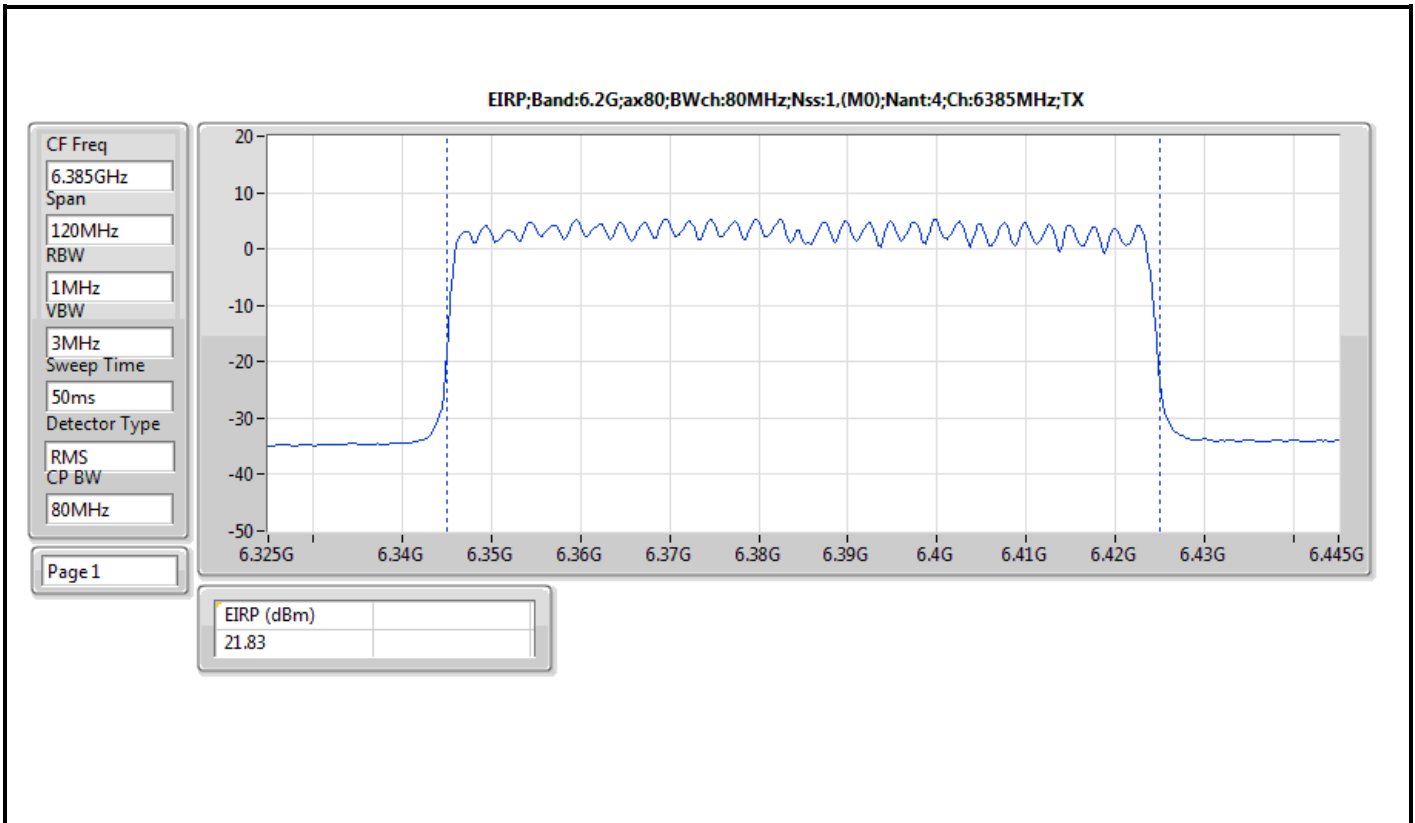


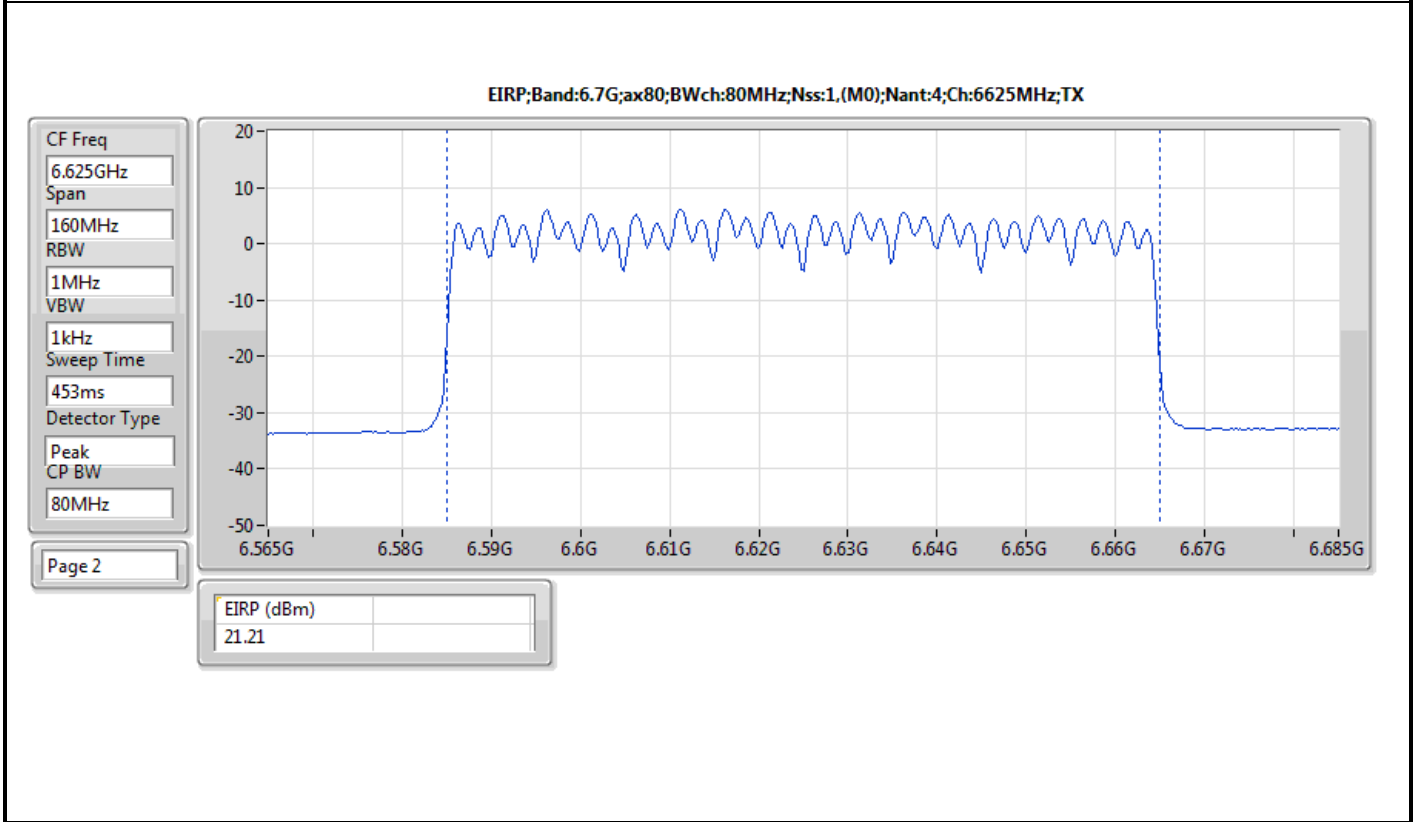
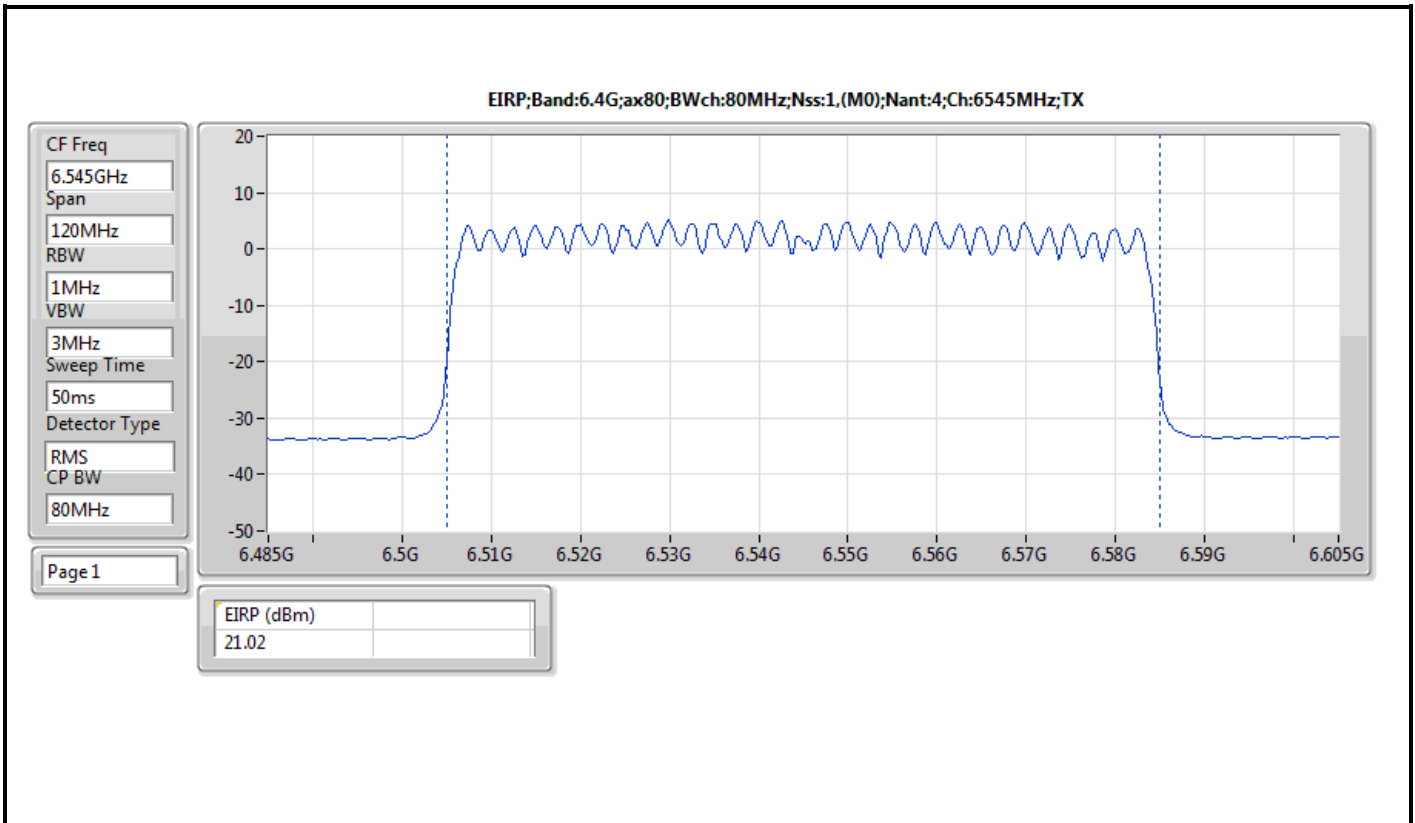


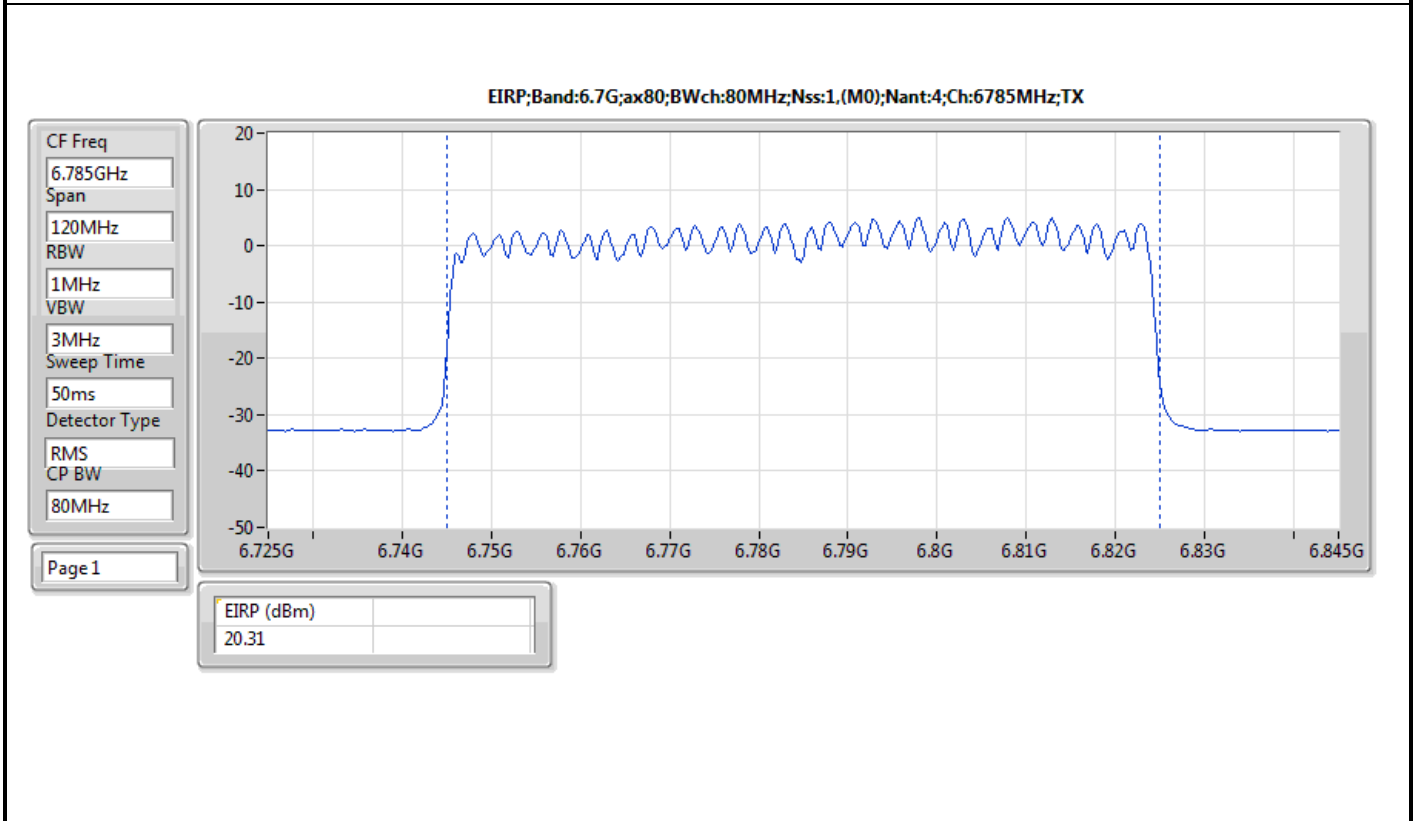
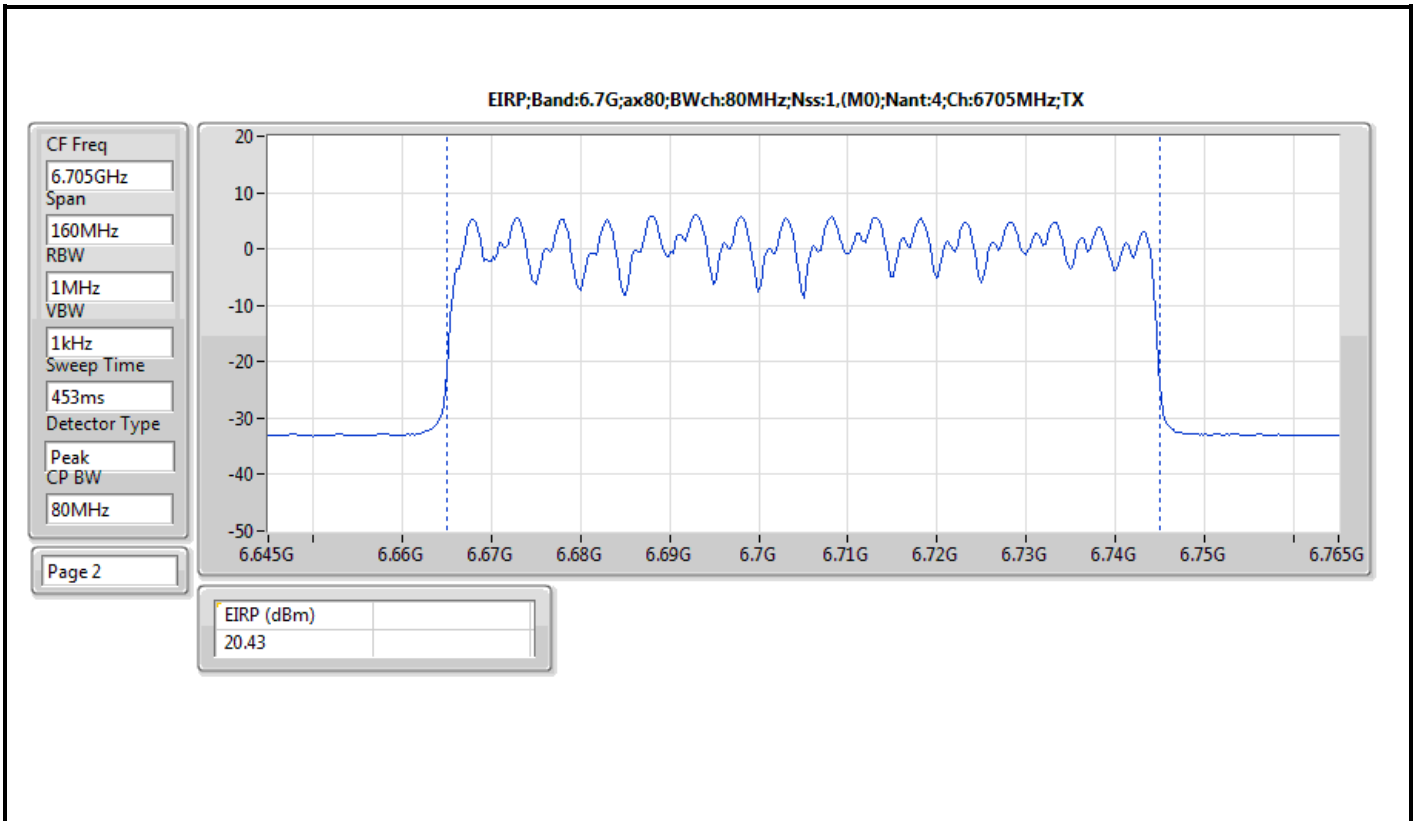


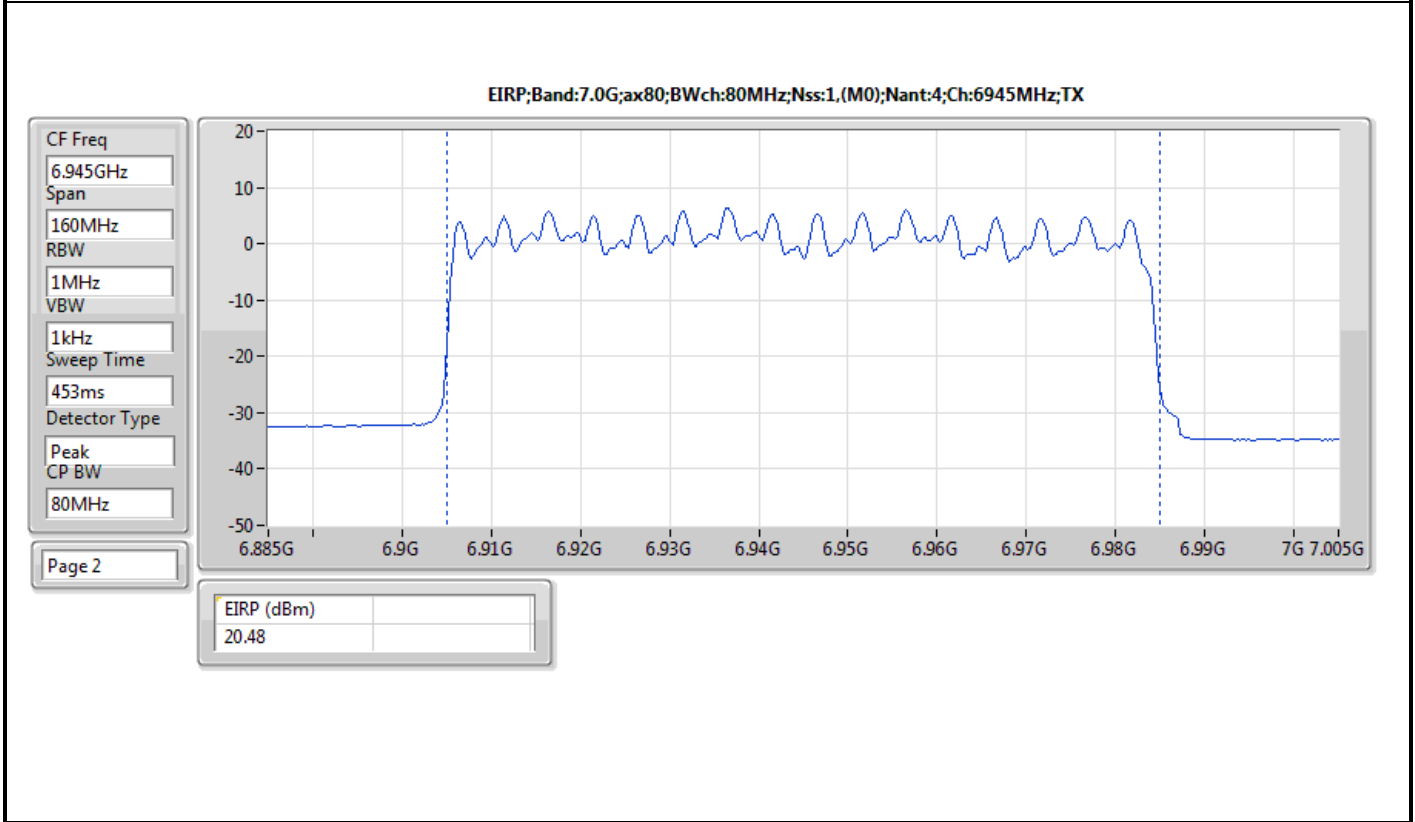
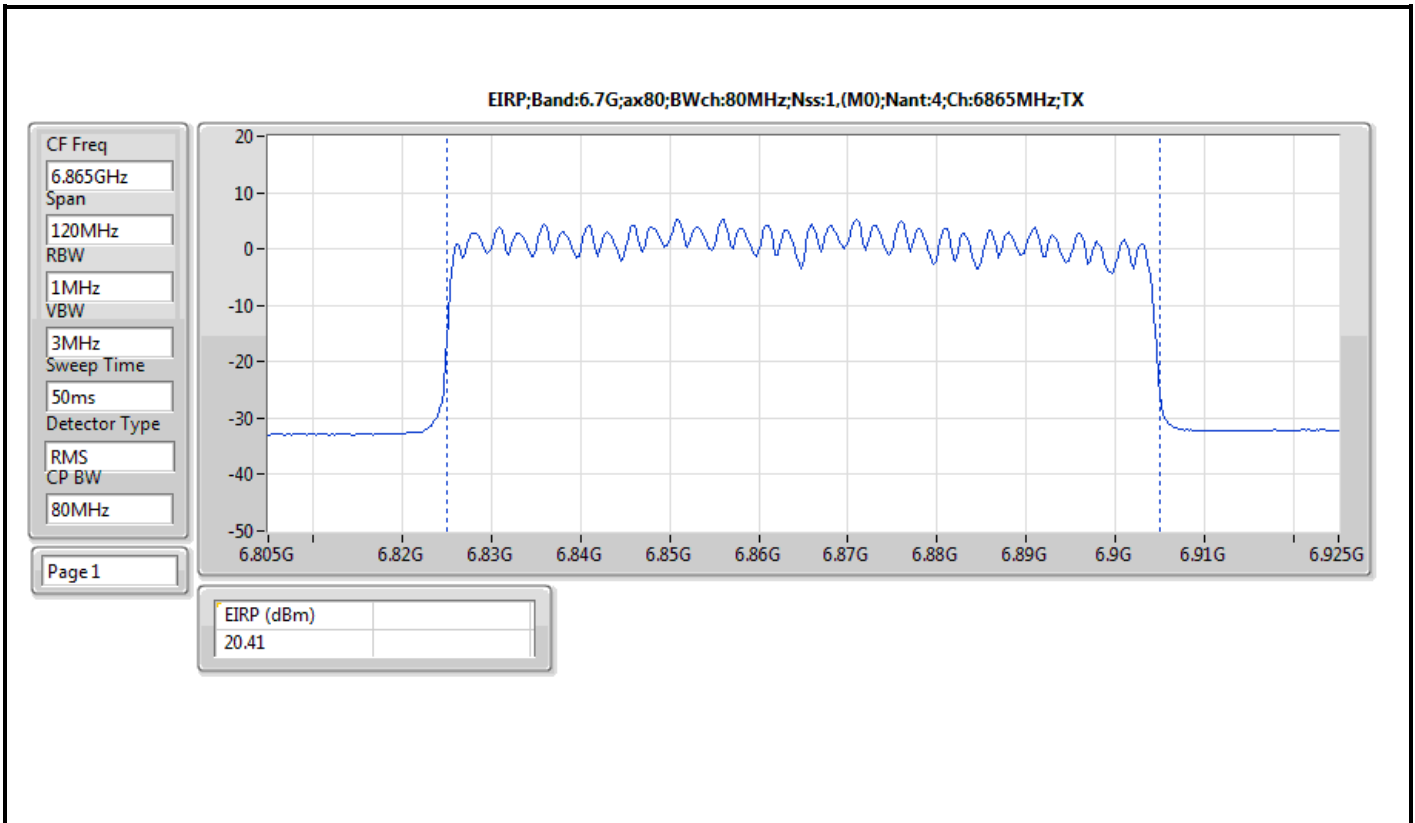


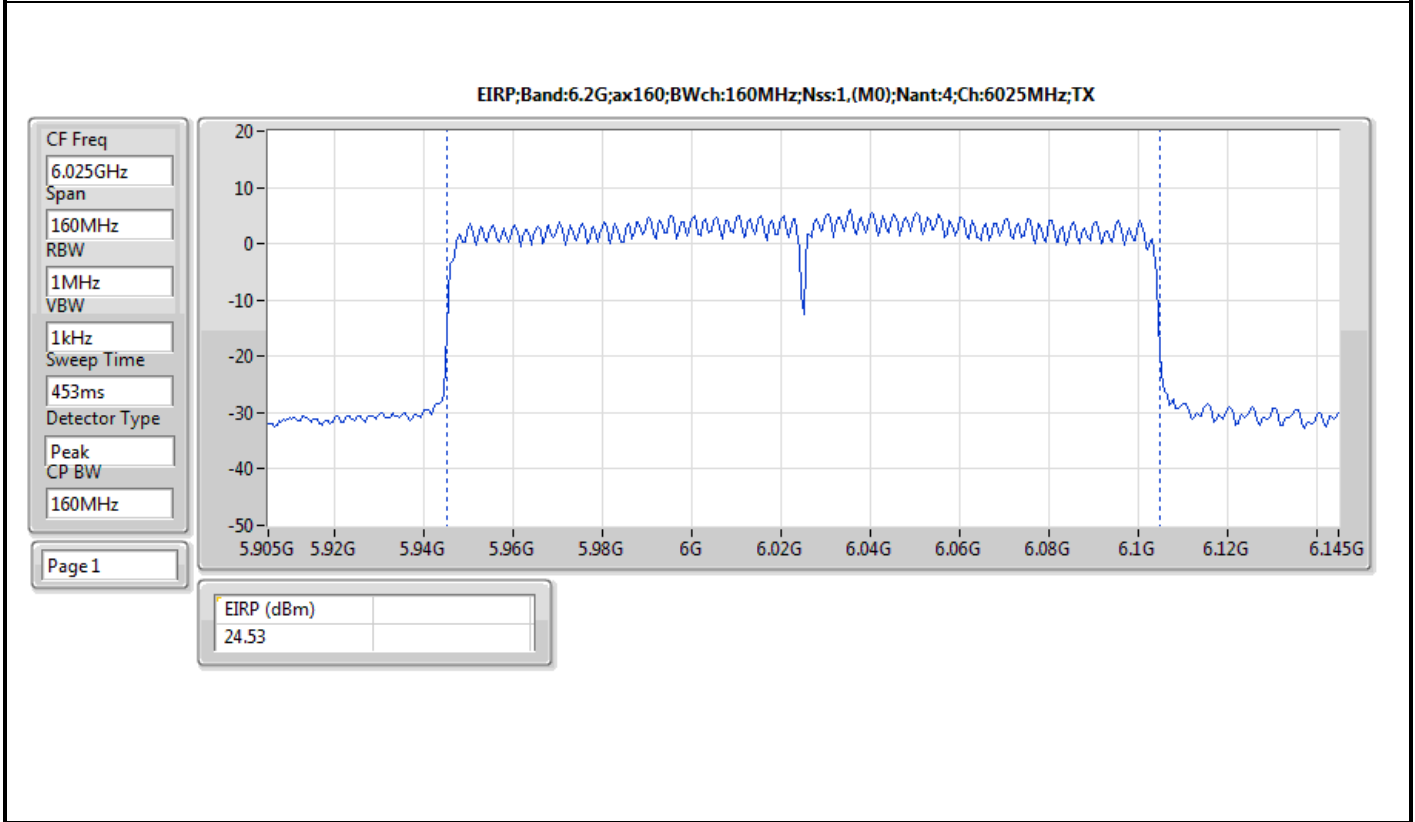
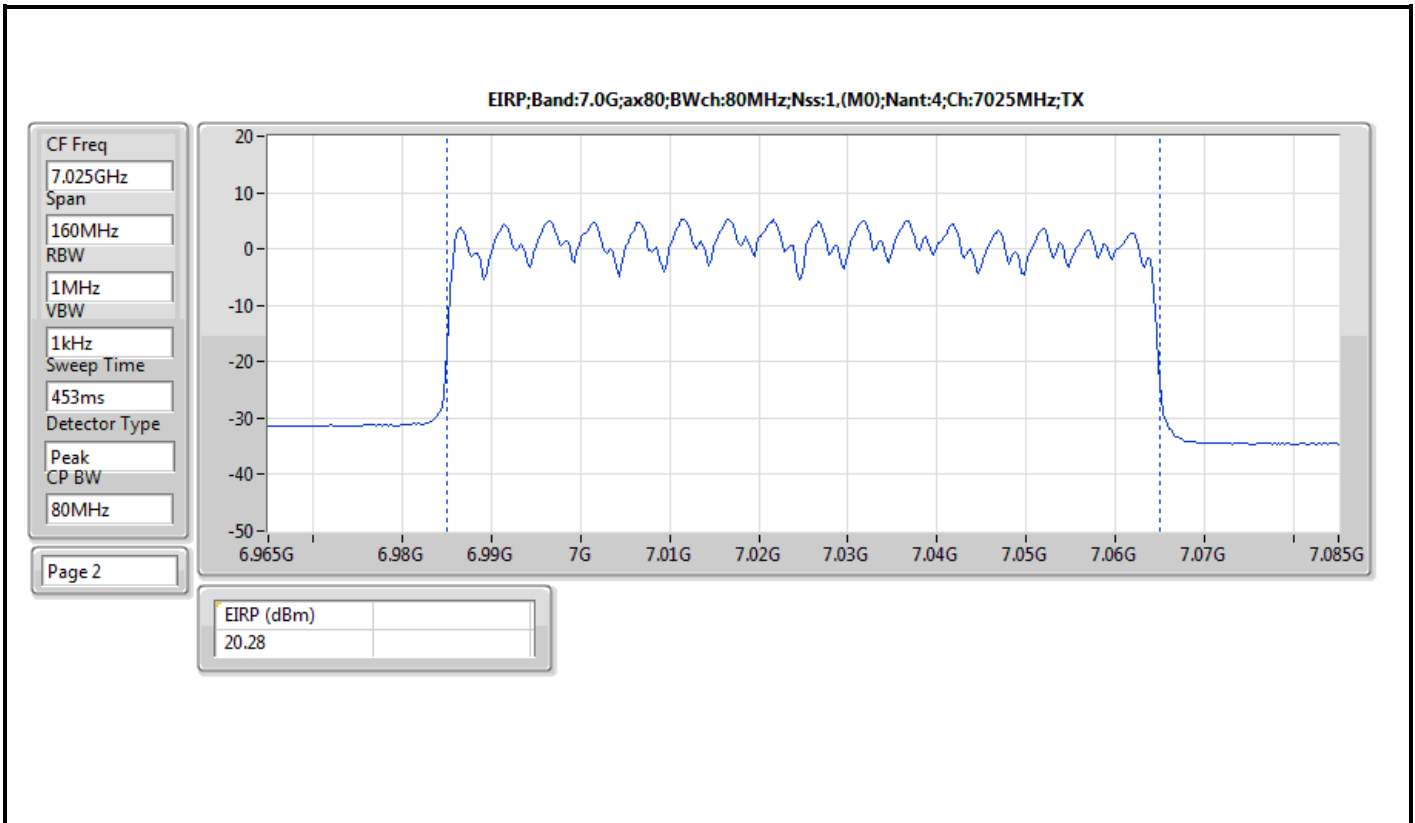


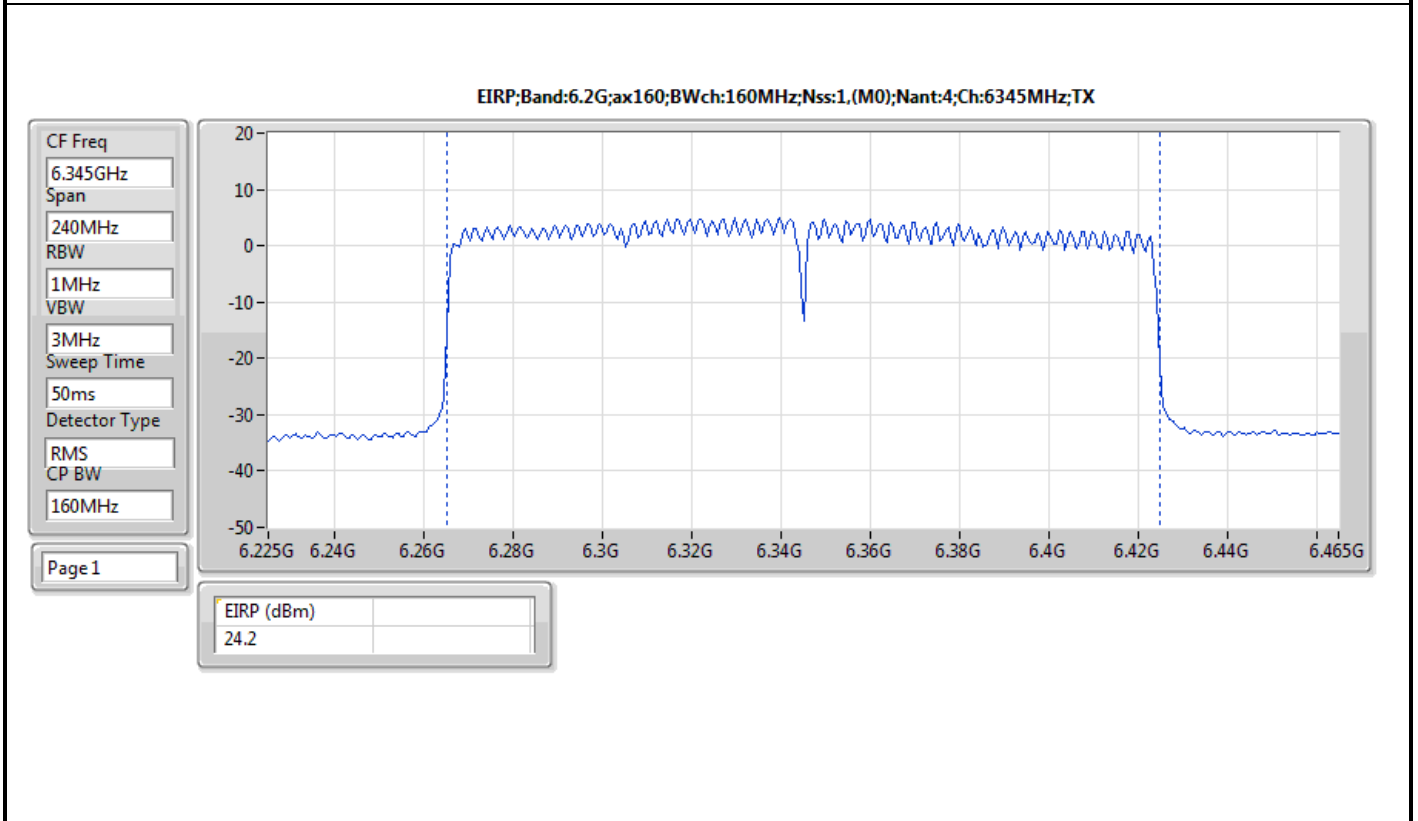
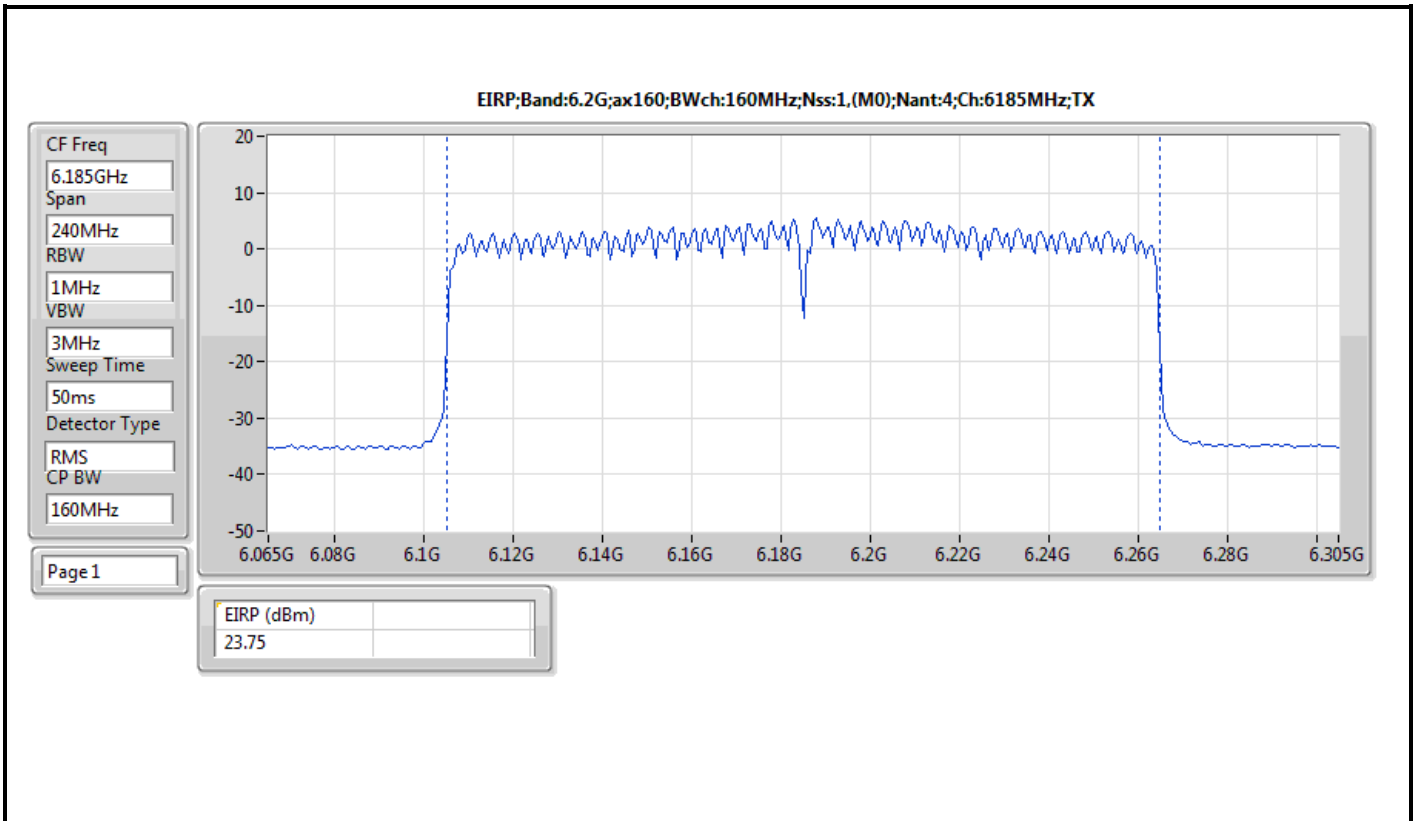


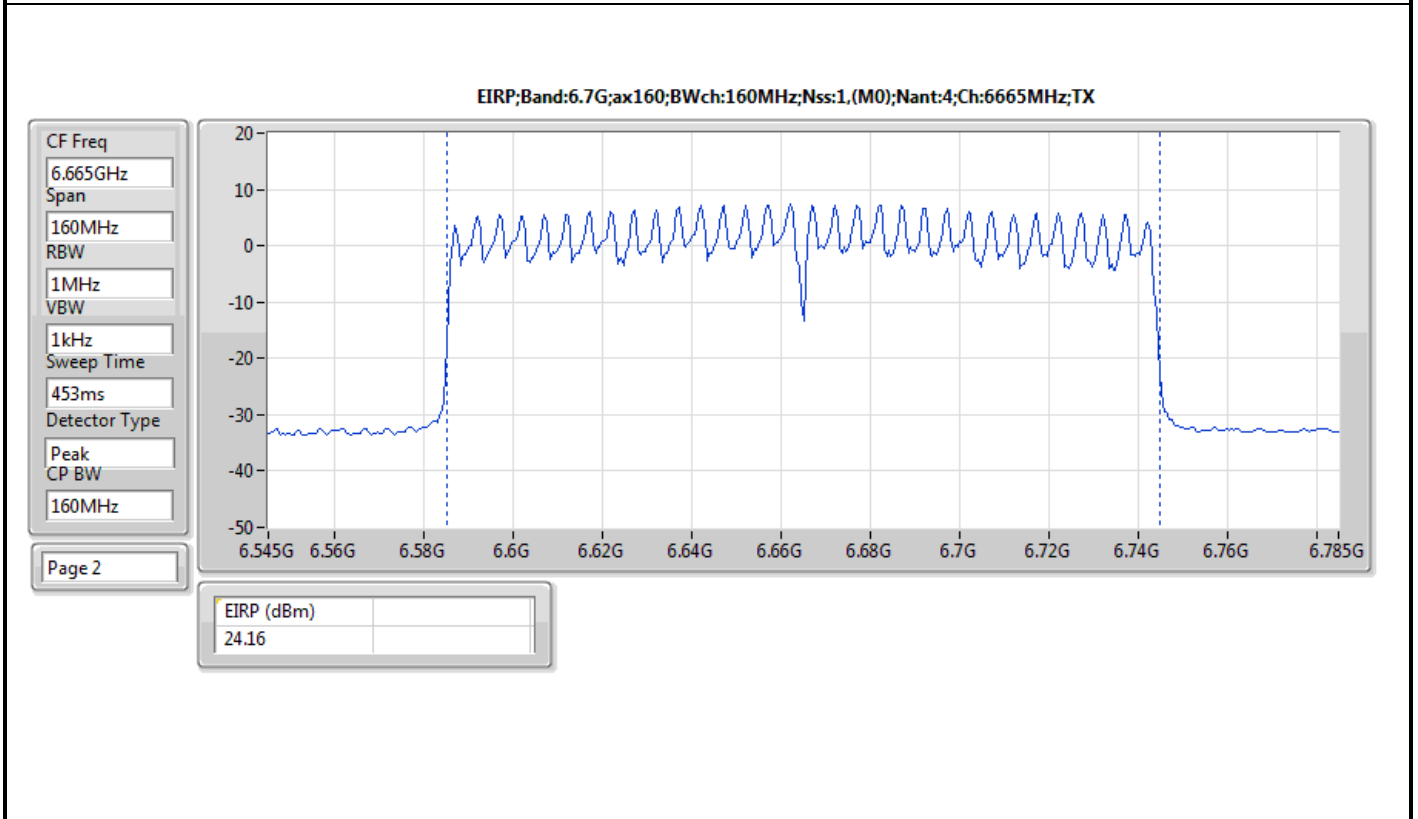
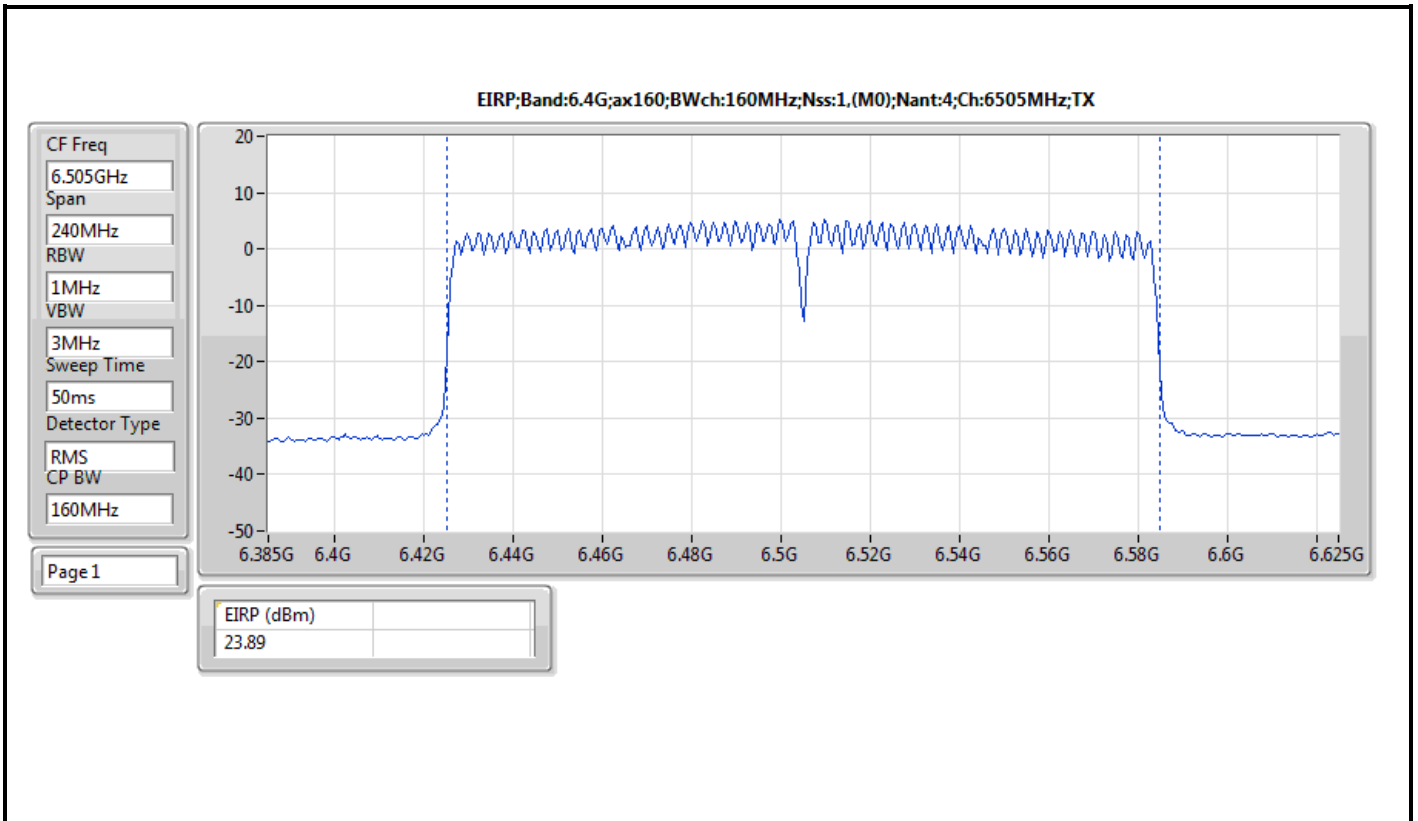


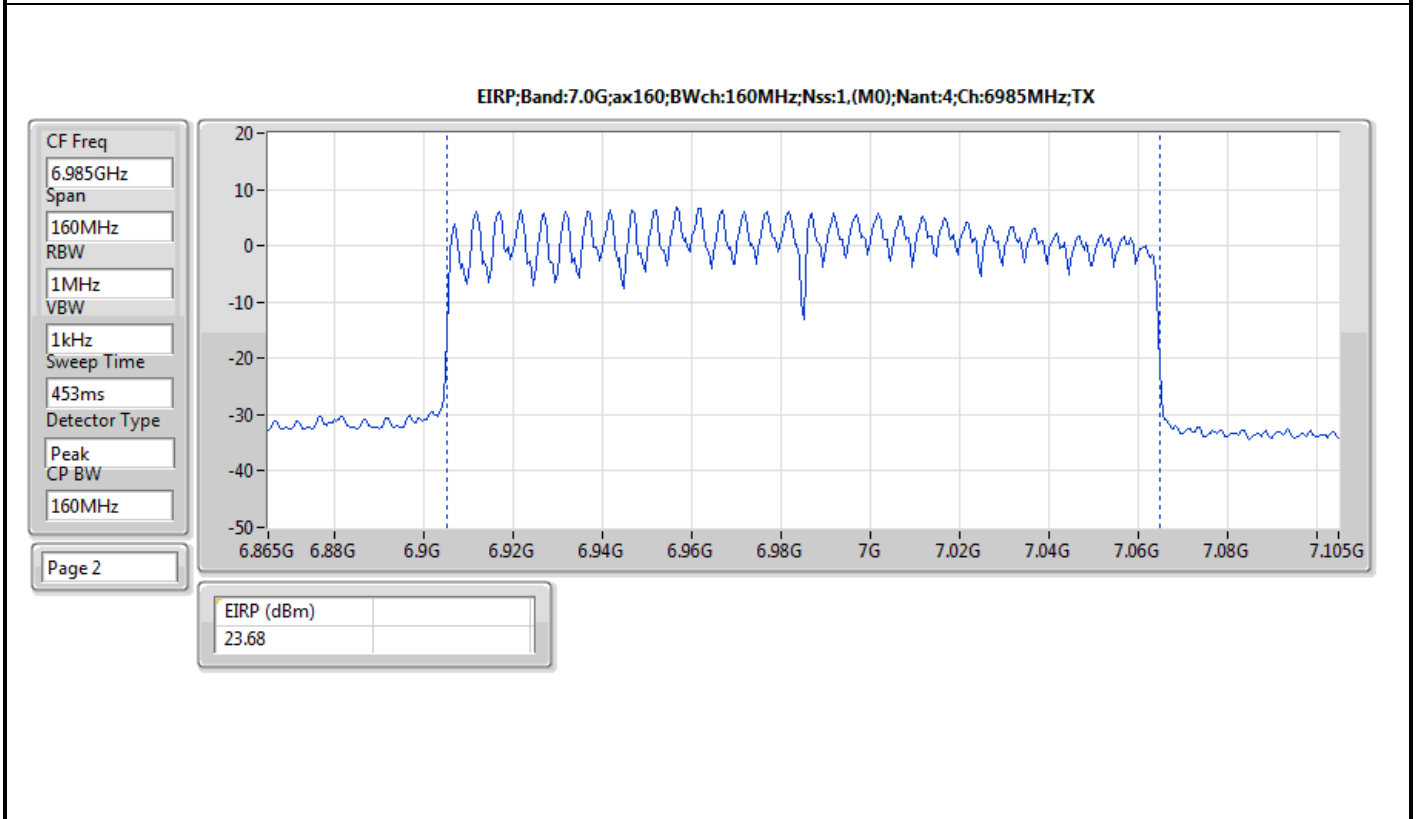
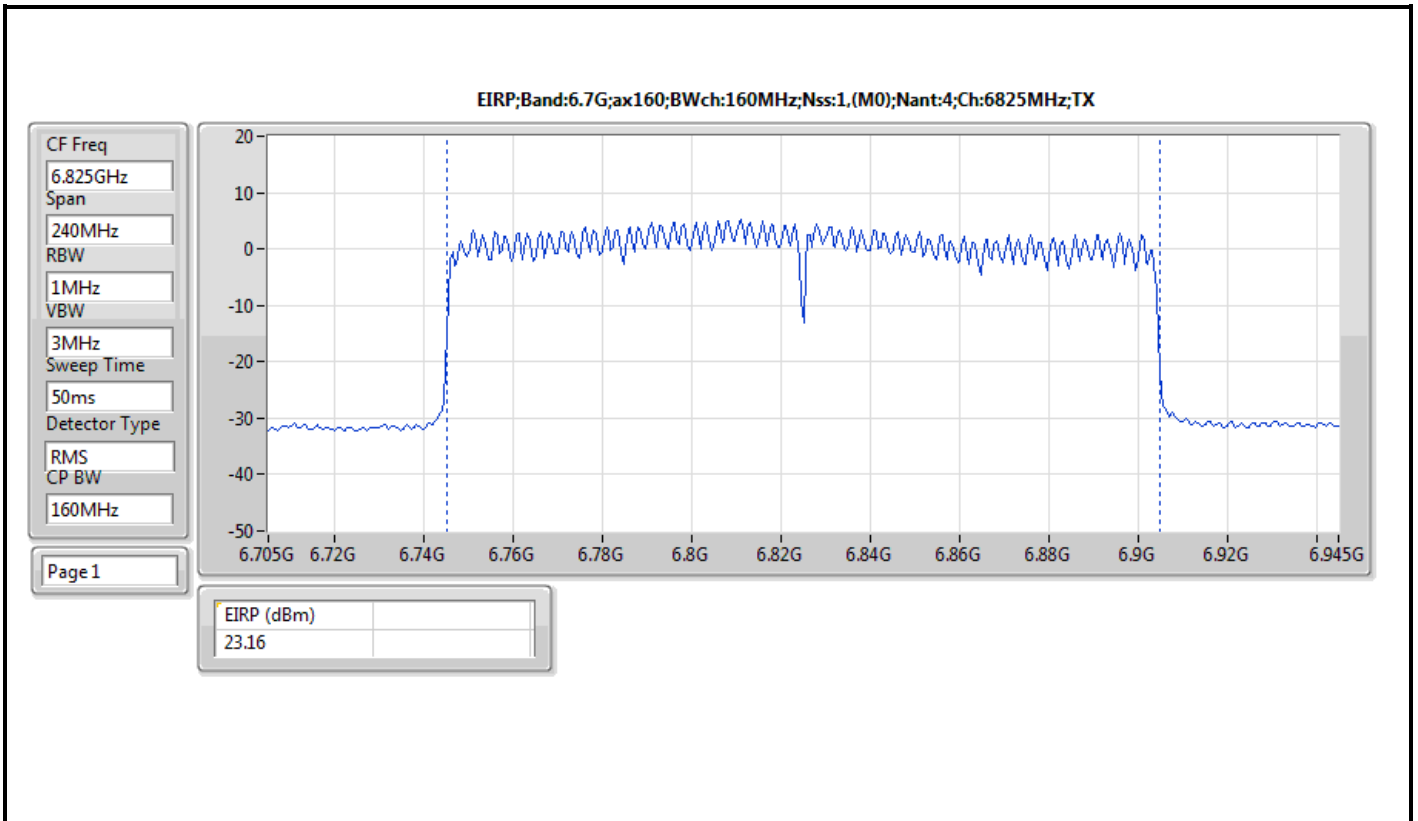














Summary

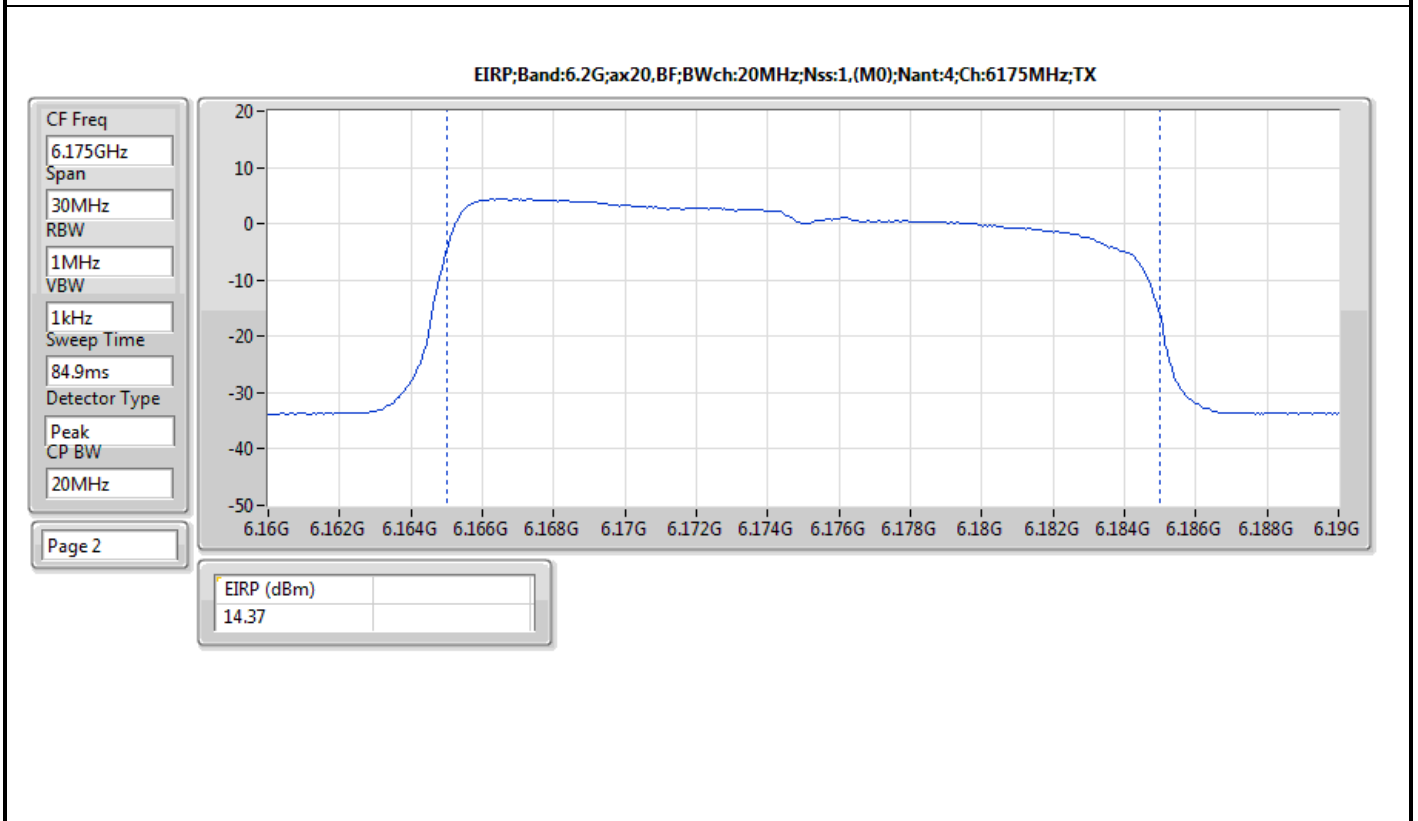
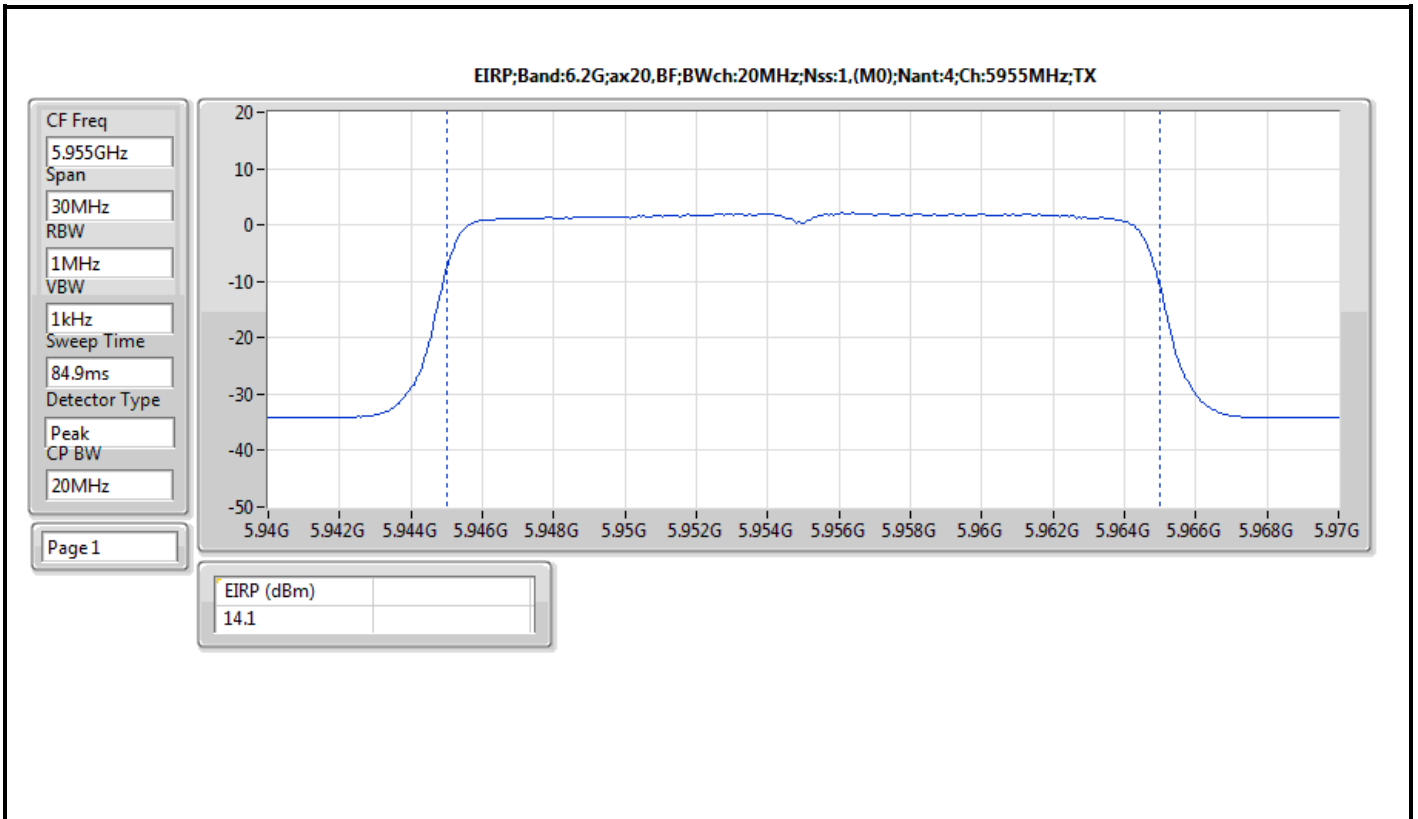
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.37	0.02735
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.69	0.05875
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.81	0.15171
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.21	0.20941
6.425-6.525GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	14.17	0.02612
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	17.92	0.06194
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.04	0.12706
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.76	0.18880
6.525-6.875GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	16.12	0.04093
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	18.00	0.06310
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	21.23	0.13274
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	23.36	0.21677
6.875-7.125GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	15.12	0.03251
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	16.97	0.04977
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	20.19	0.10447
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	22.64	0.18365

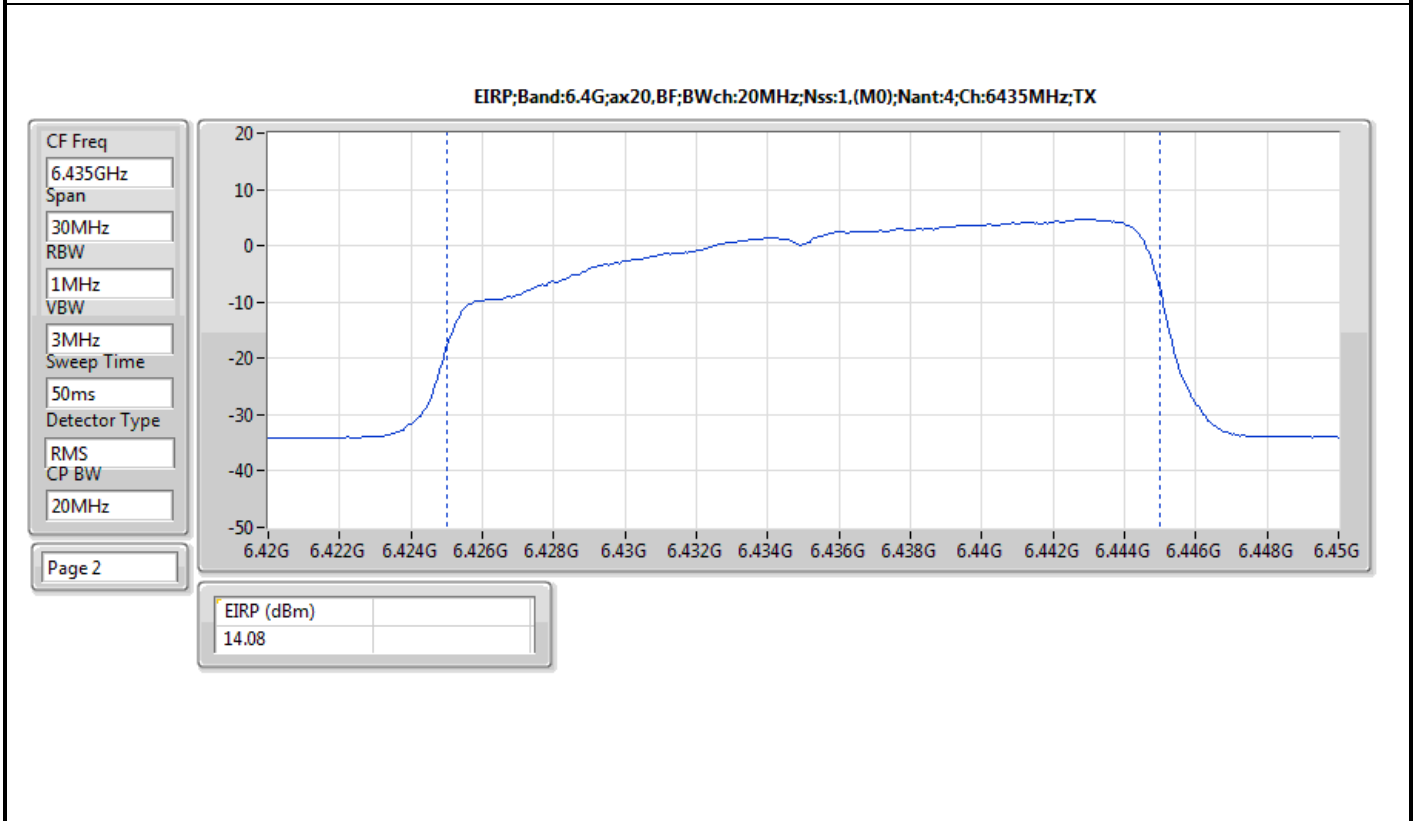
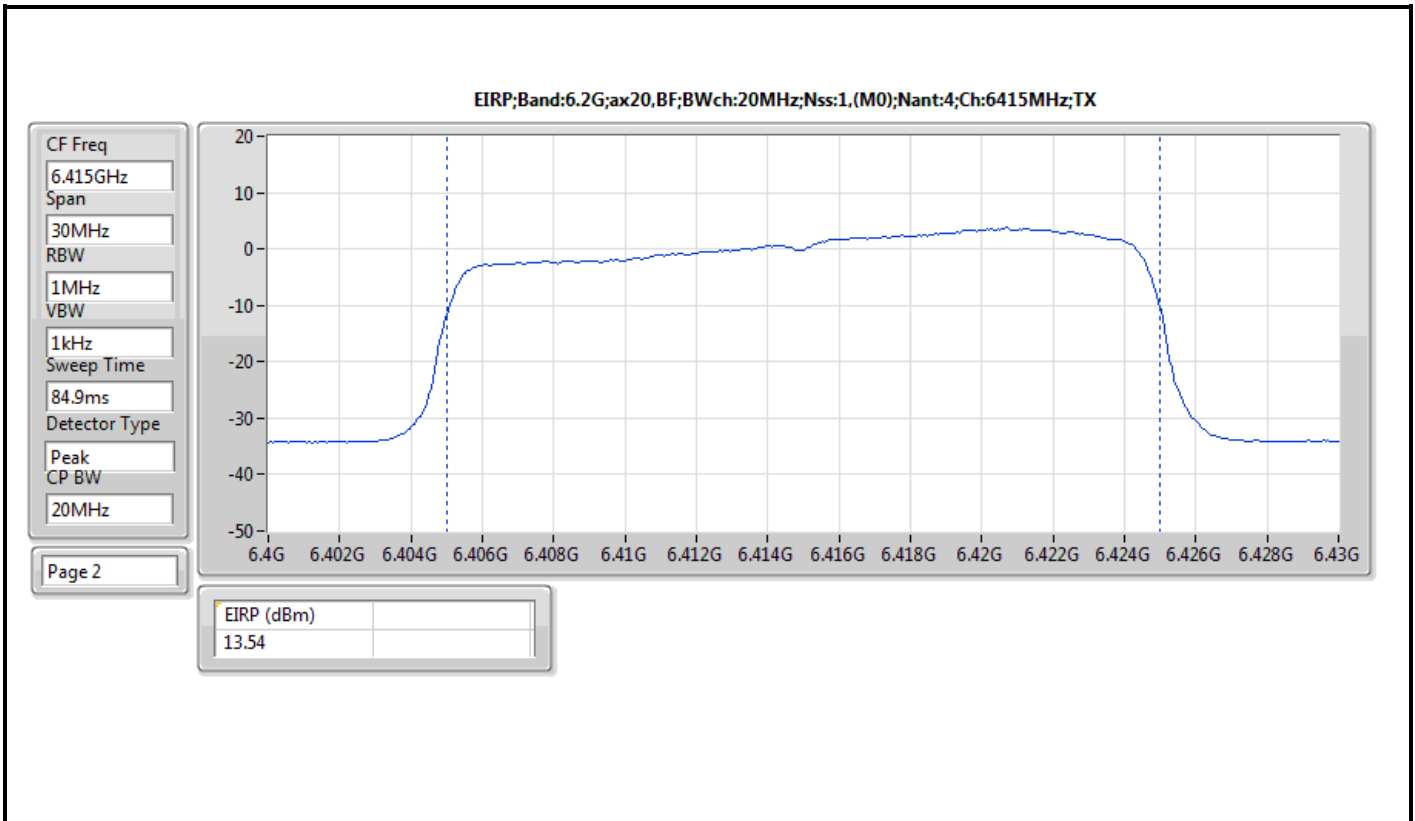


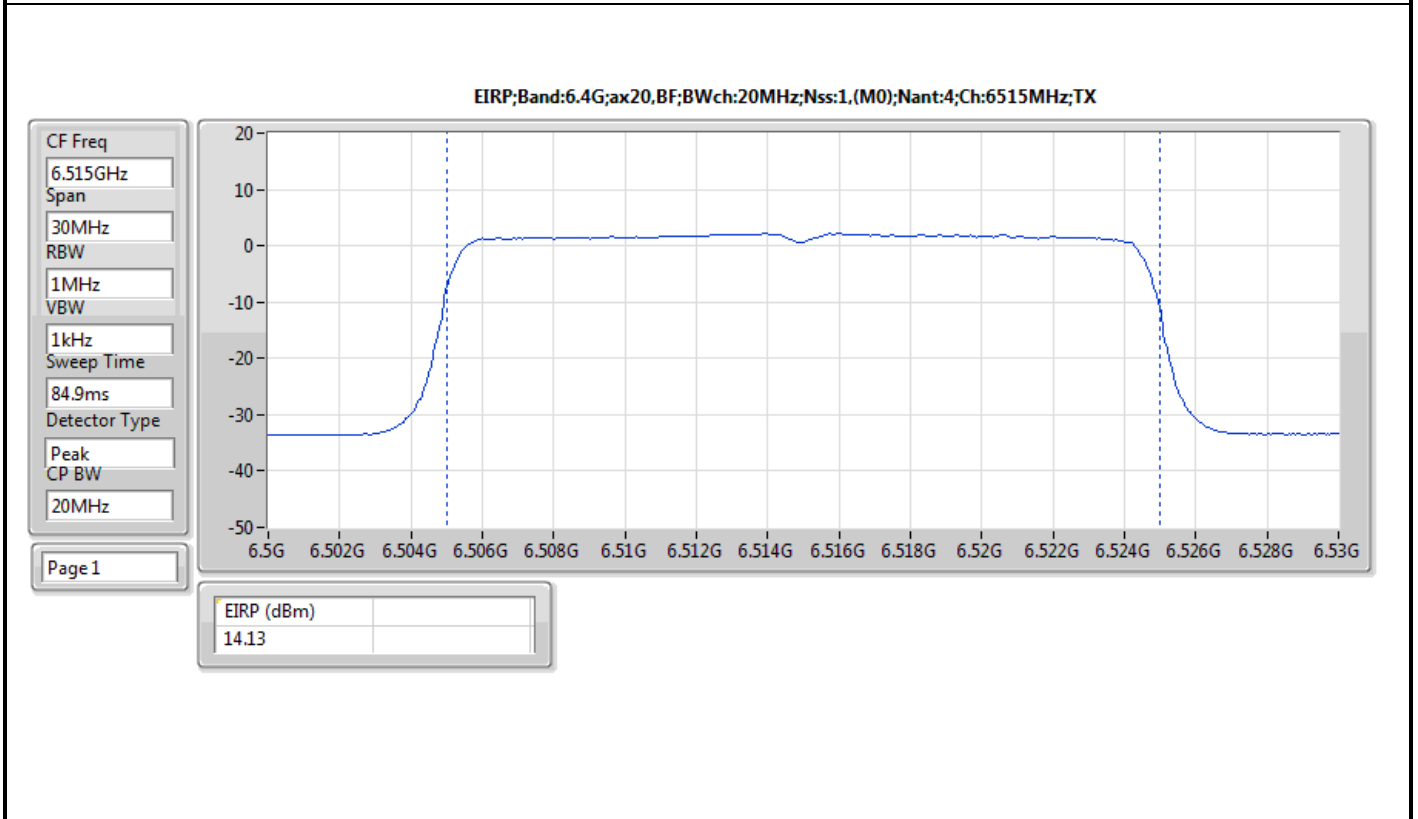
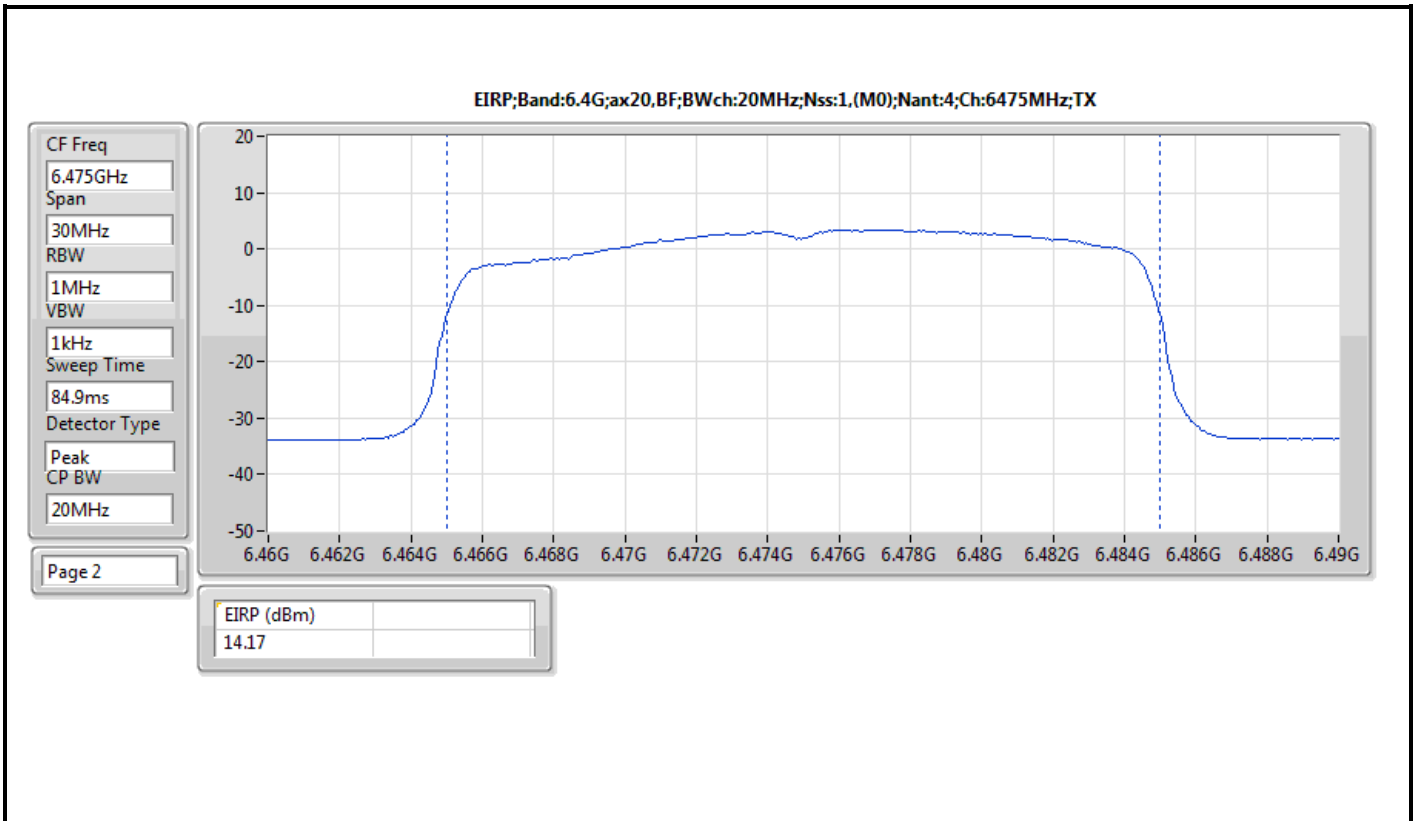
Result

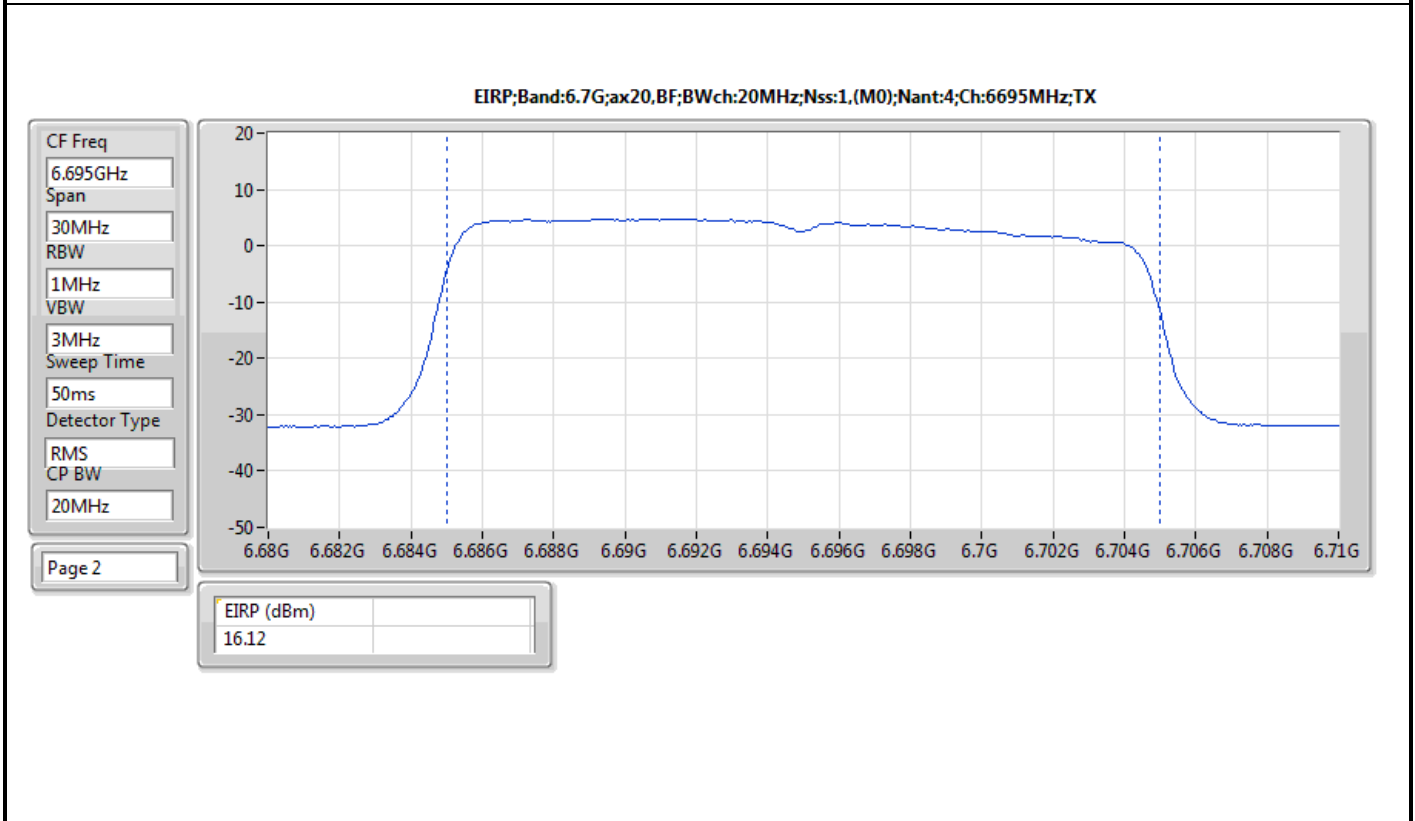
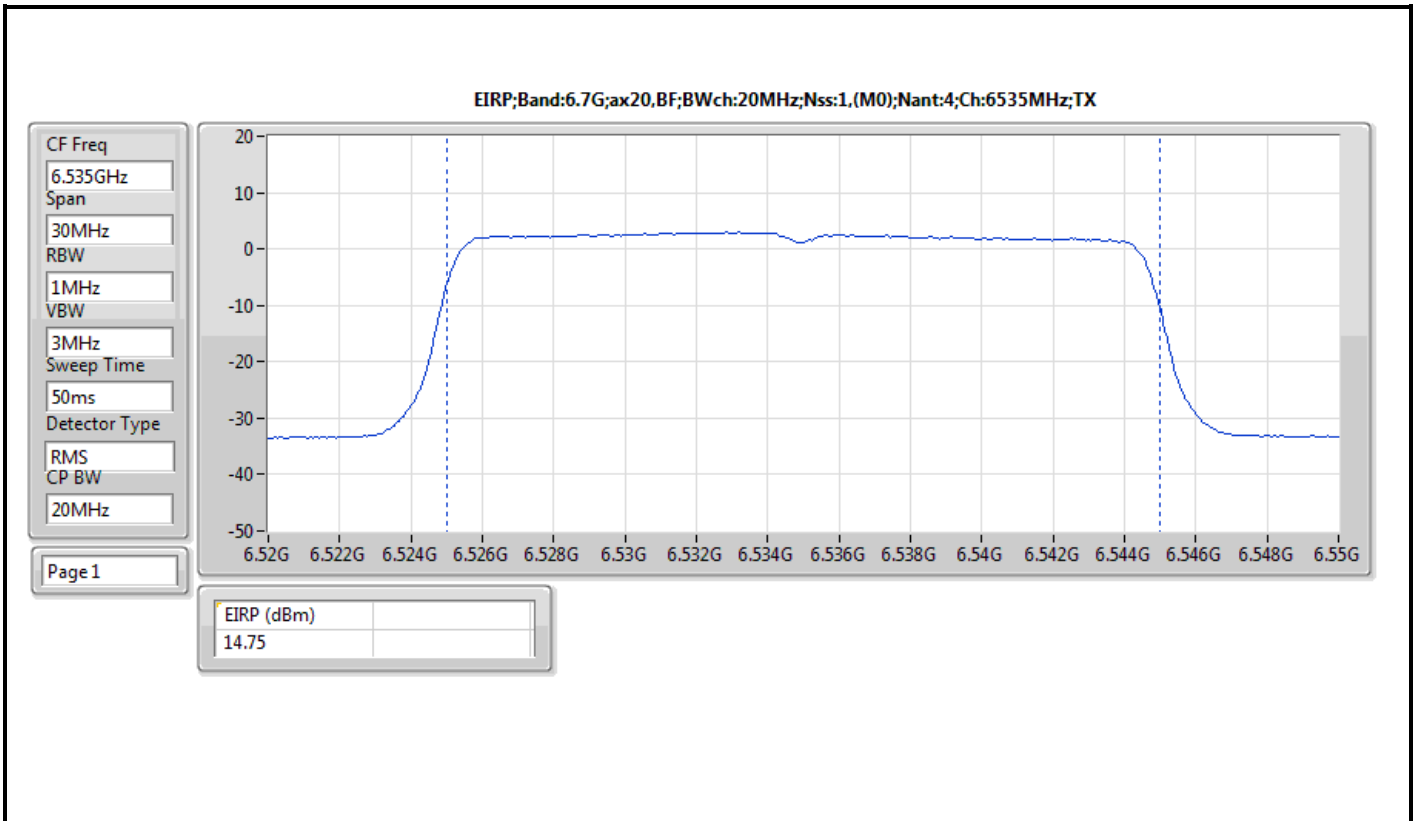
Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	14.10	30.00
6175MHz	Pass	14.37	30.00
6415MHz	Pass	13.54	30.00
6435MHz	Pass	14.08	30.00
6475MHz	Pass	14.17	30.00
6515MHz	Pass	14.13	30.00
6535MHz	Pass	14.75	30.00
6695MHz	Pass	16.12	30.00
6855MHz	Pass	14.61	30.00
6875MHz Straddle 6.525-6.875GHz	Pass	14.43	30.00
6895MHz	Pass	14.24	30.00
6995MHz	Pass	15.12	30.00
7095MHz	Pass	14.10	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	17.69	30.00
6165MHz	Pass	17.53	30.00
6405MHz	Pass	15.67	30.00
6445MHz	Pass	16.28	30.00
6485MHz	Pass	16.21	30.00
6525MHz Straddle 6.425-6.525GHz	Pass	17.92	30.00
6565MHz	Pass	17.16	30.00
6685MHz	Pass	17.76	30.00
6845MHz	Pass	18.00	30.00
6885MHz Straddle 6.525-6.875GHz	Pass	16.78	30.00
6925MHz	Pass	16.97	30.00
7005MHz	Pass	16.59	30.00
7085MHz	Pass	16.44	30.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	21.13	30.00
6145MHz	Pass	20.37	30.00
6385MHz	Pass	21.81	30.00
6465MHz	Pass	20.38	30.00
6545MHz Straddle 6.425-6.525GHz	Pass	21.04	30.00
6625MHz	Pass	20.13	30.00
6705MHz	Pass	21.23	30.00
6785MHz	Pass	20.70	30.00
6865MHz Straddle 6.525-6.875GHz	Pass	19.98	30.00
6945MHz	Pass	19.92	30.00
7025MHz	Pass	20.19	30.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	23.21	30.00
6185MHz	Pass	22.93	30.00
6345MHz	Pass	22.37	30.00
6505MHz Straddle 6.425-6.525GHz	Pass	22.76	30.00
6665MHz	Pass	22.88	30.00
6825MHz Straddle 6.525-6.875GHz	Pass	23.36	30.00
6985MHz	Pass	22.64	30.00

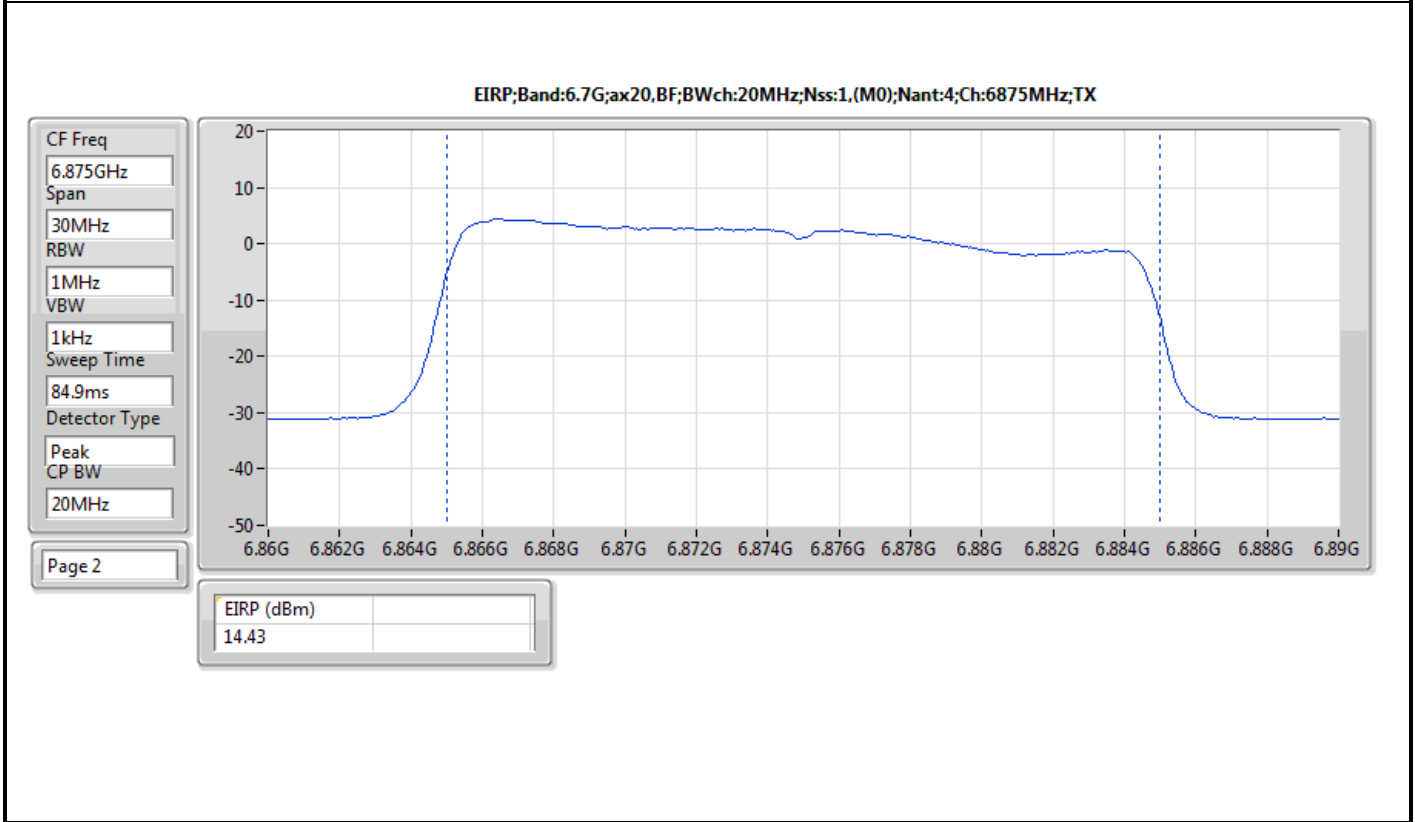
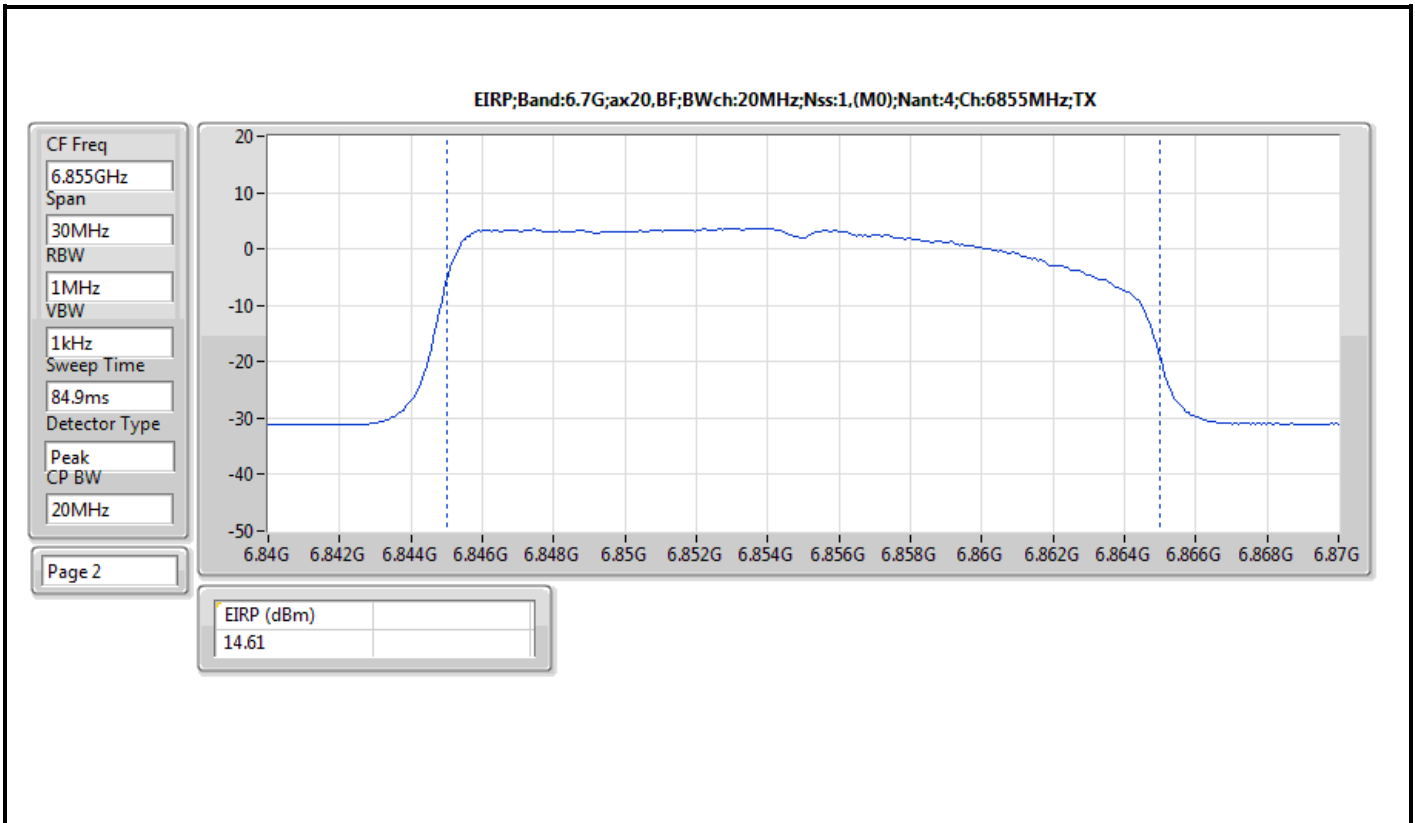
DG = Directional Gain; Port X = Port X output power

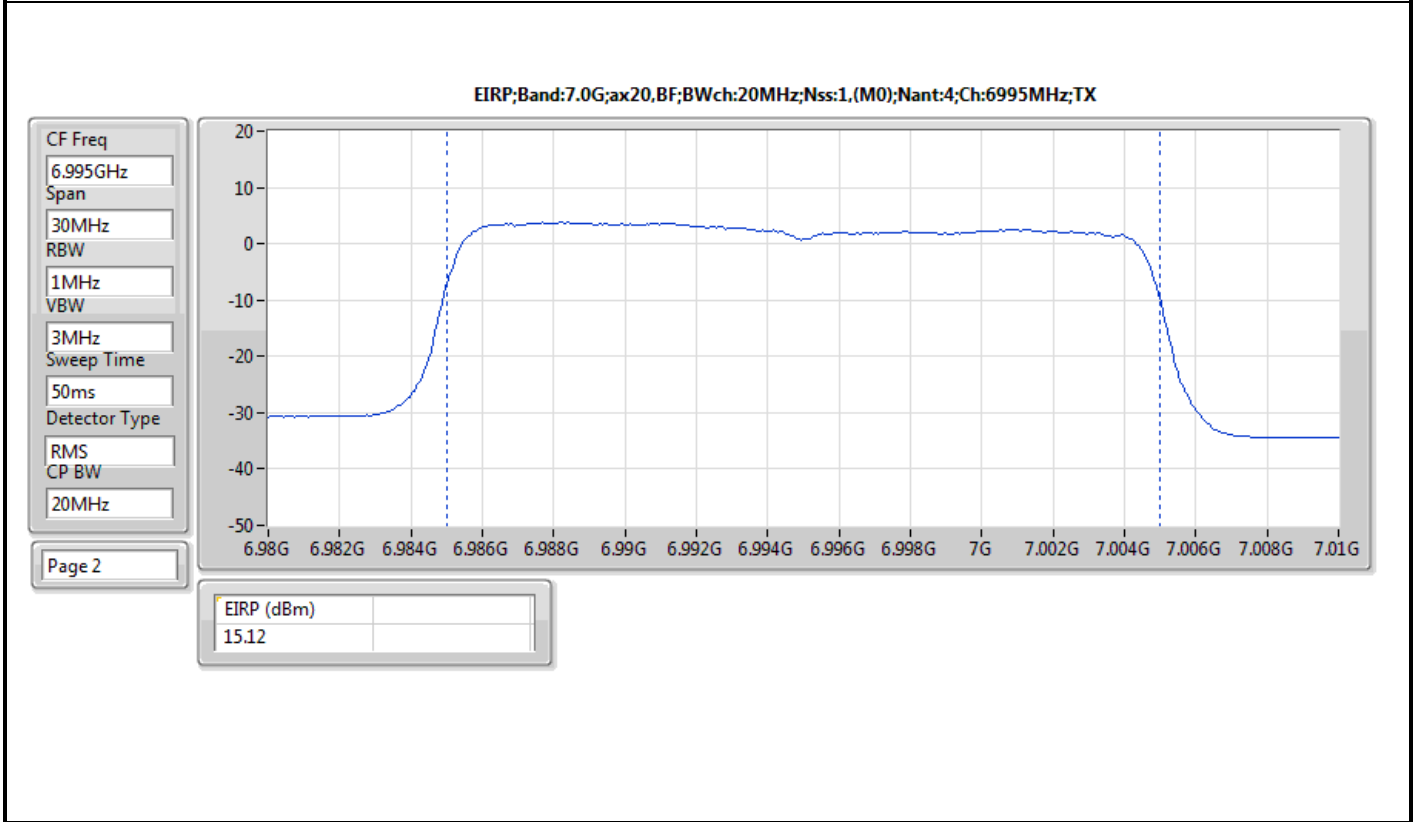
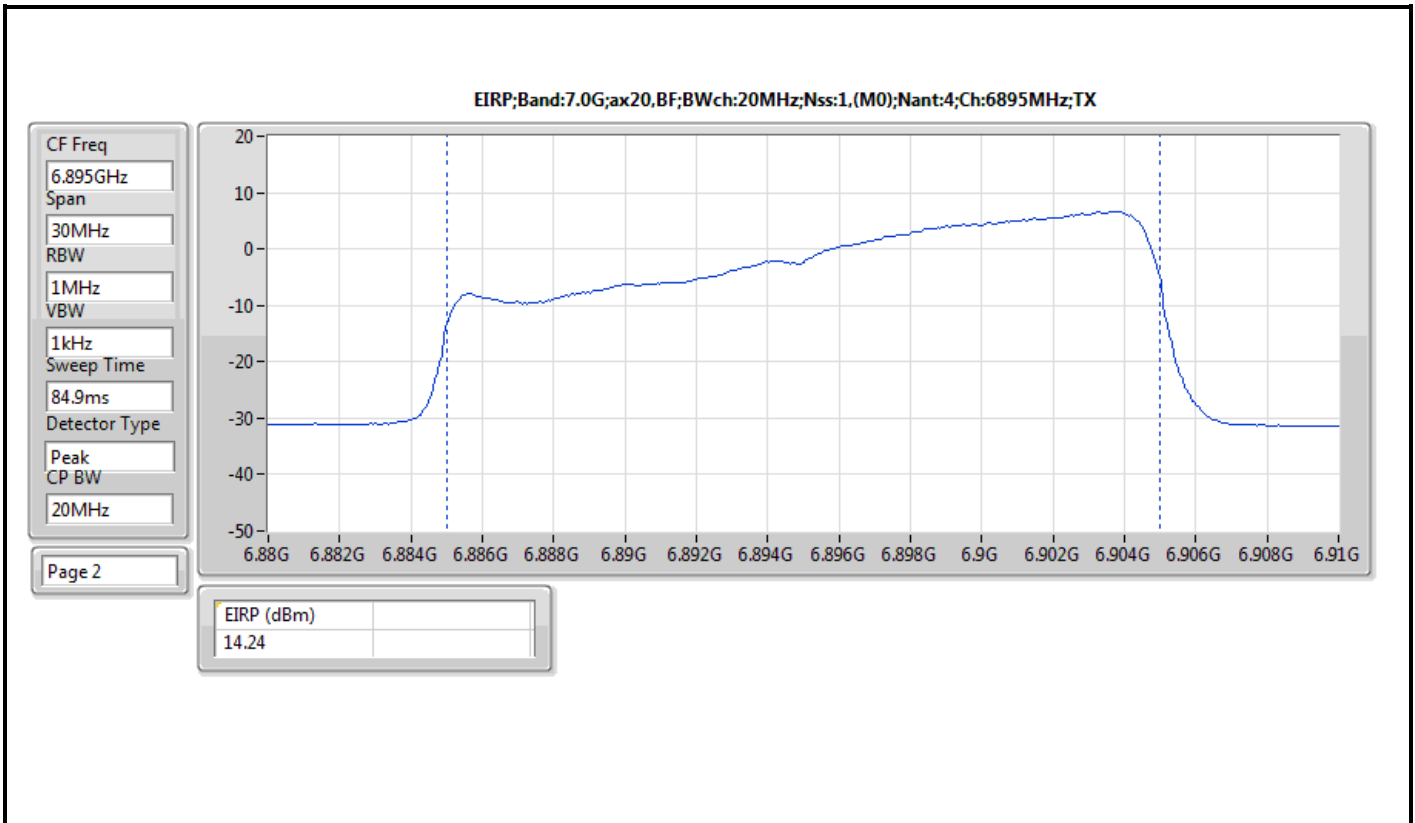


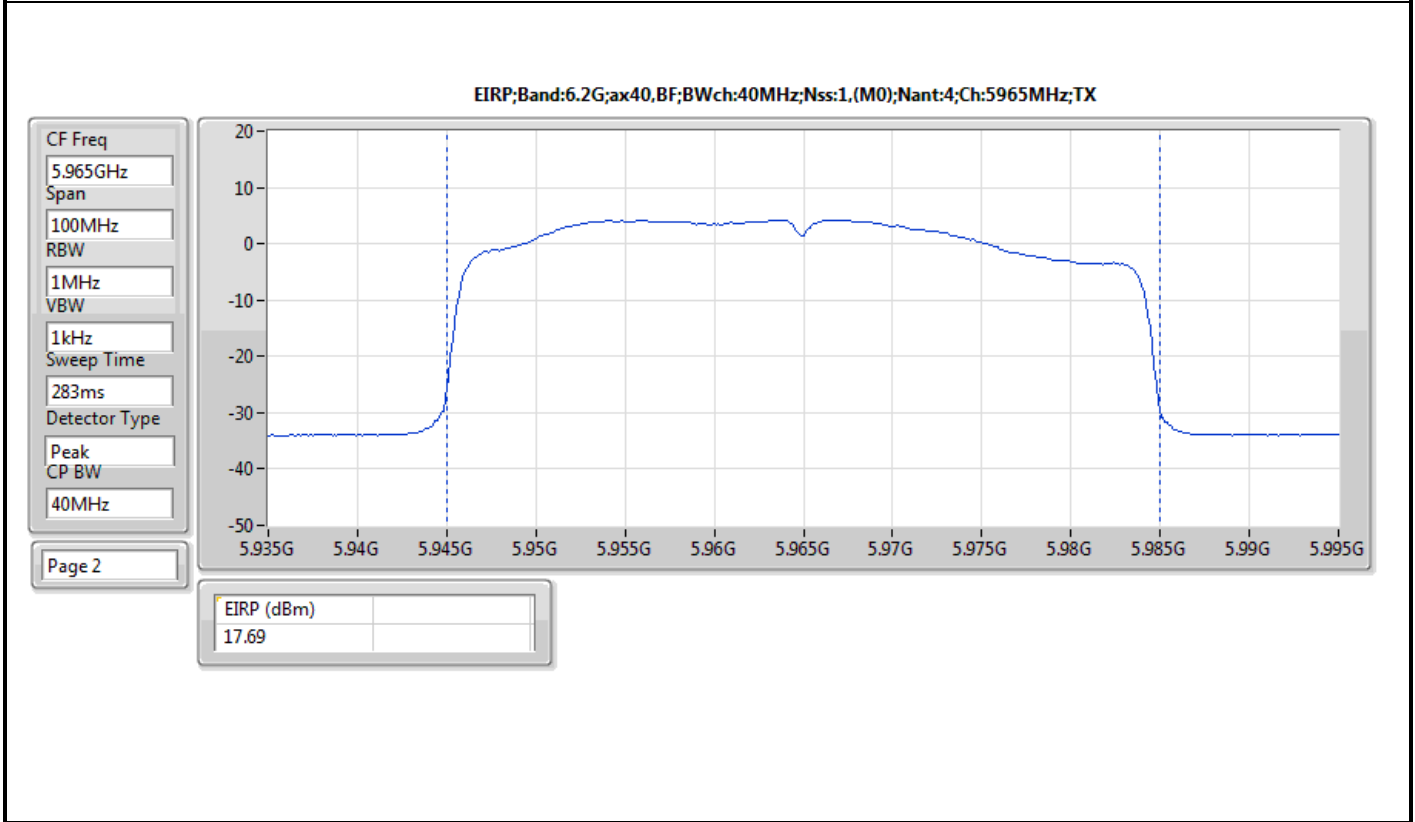
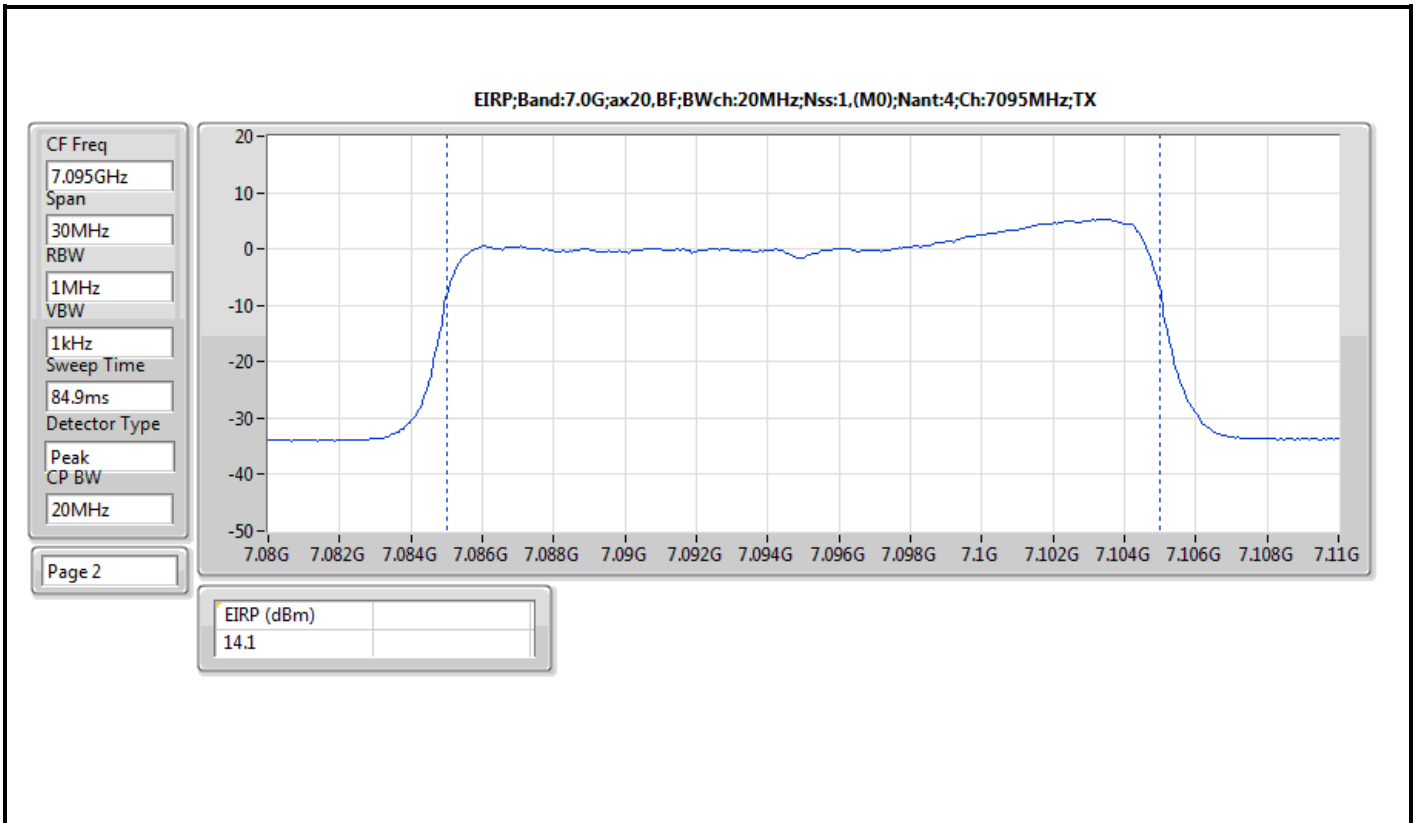


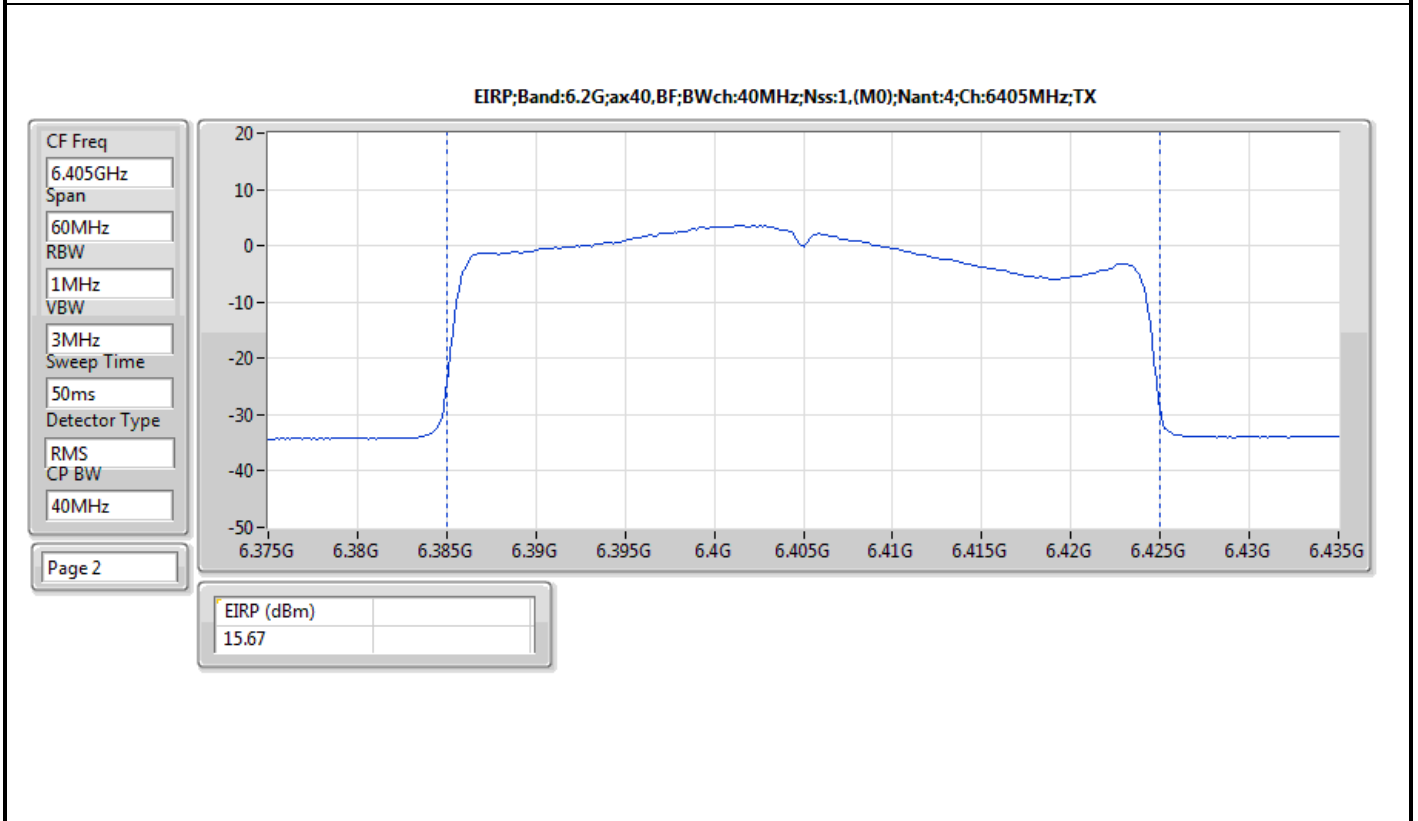
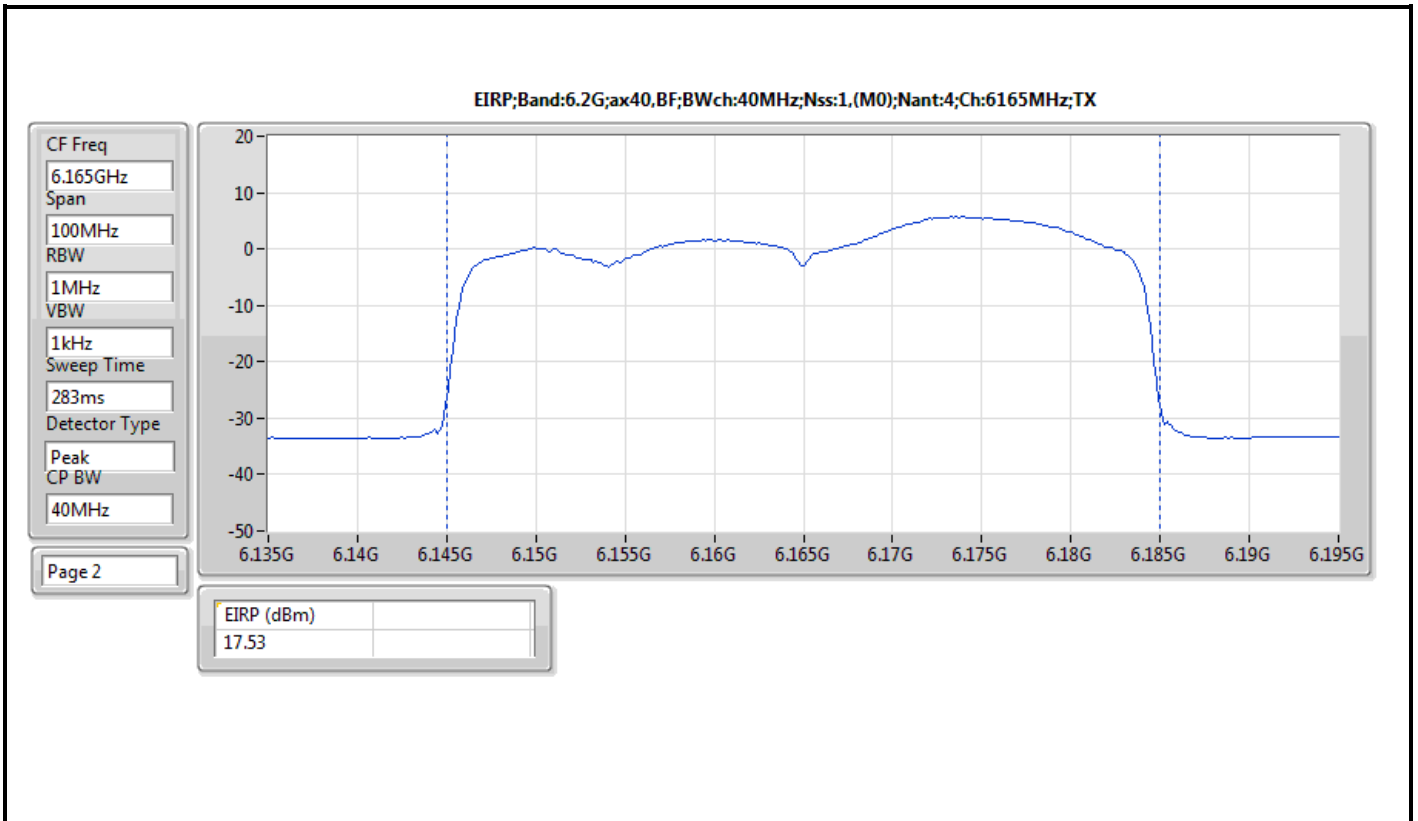


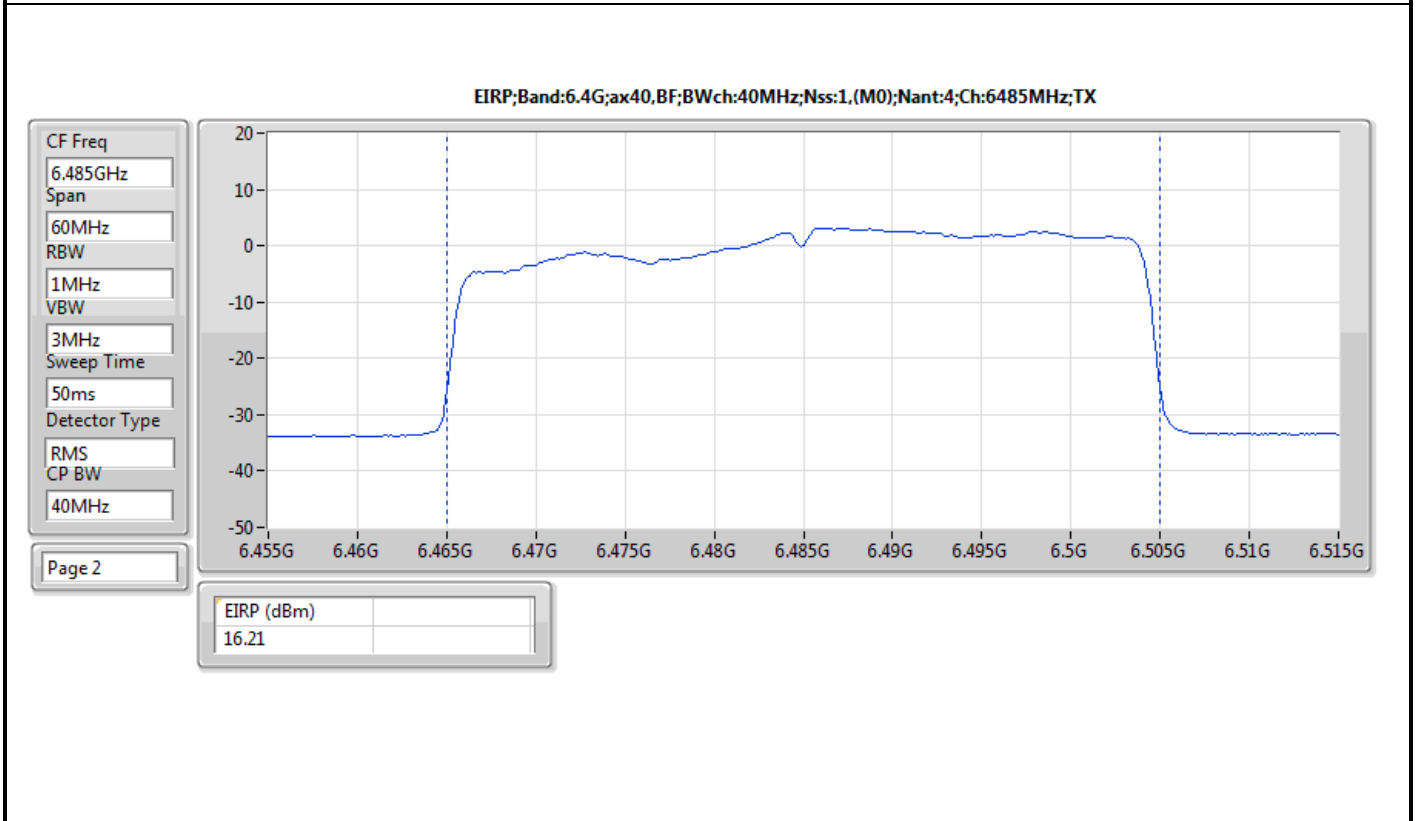
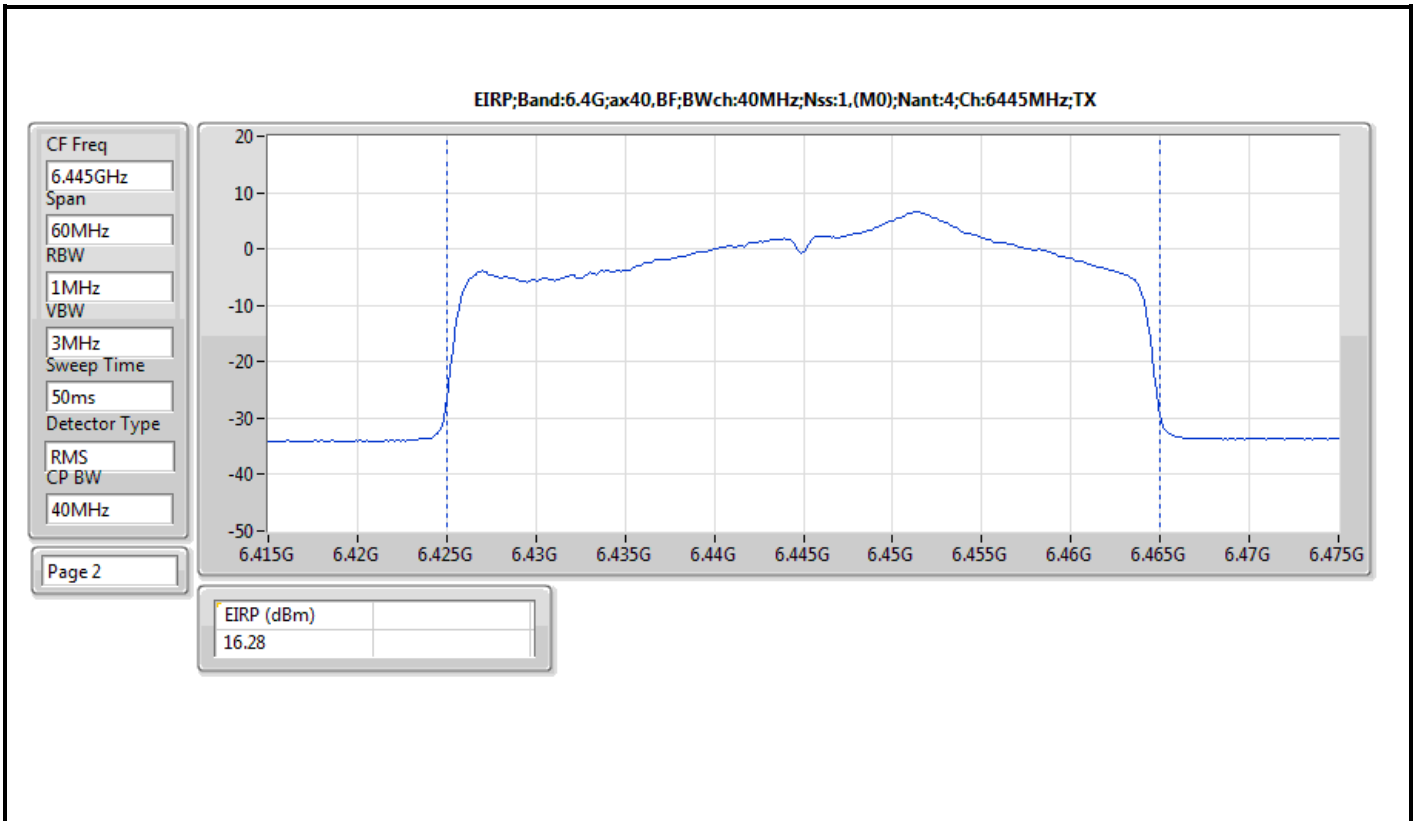


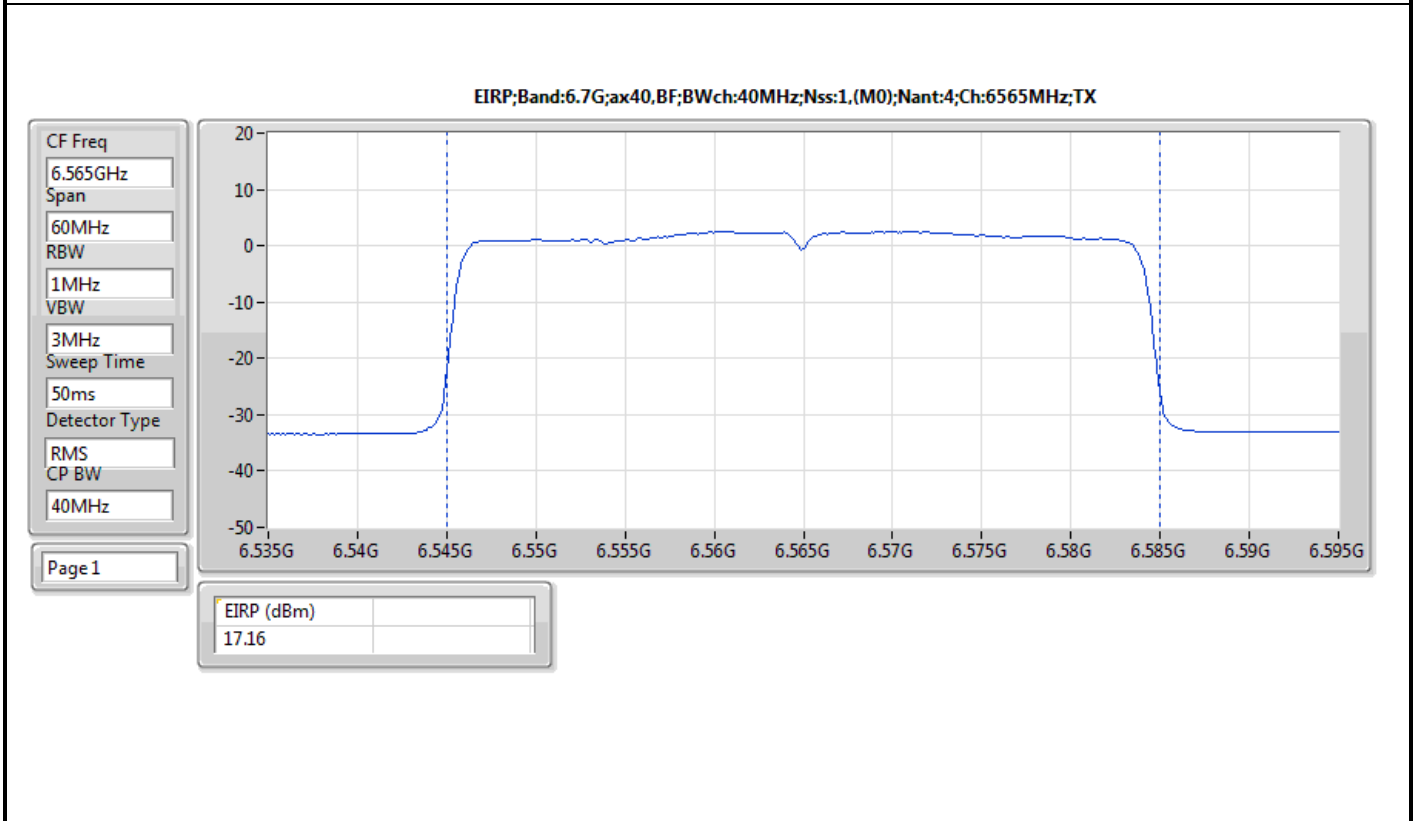
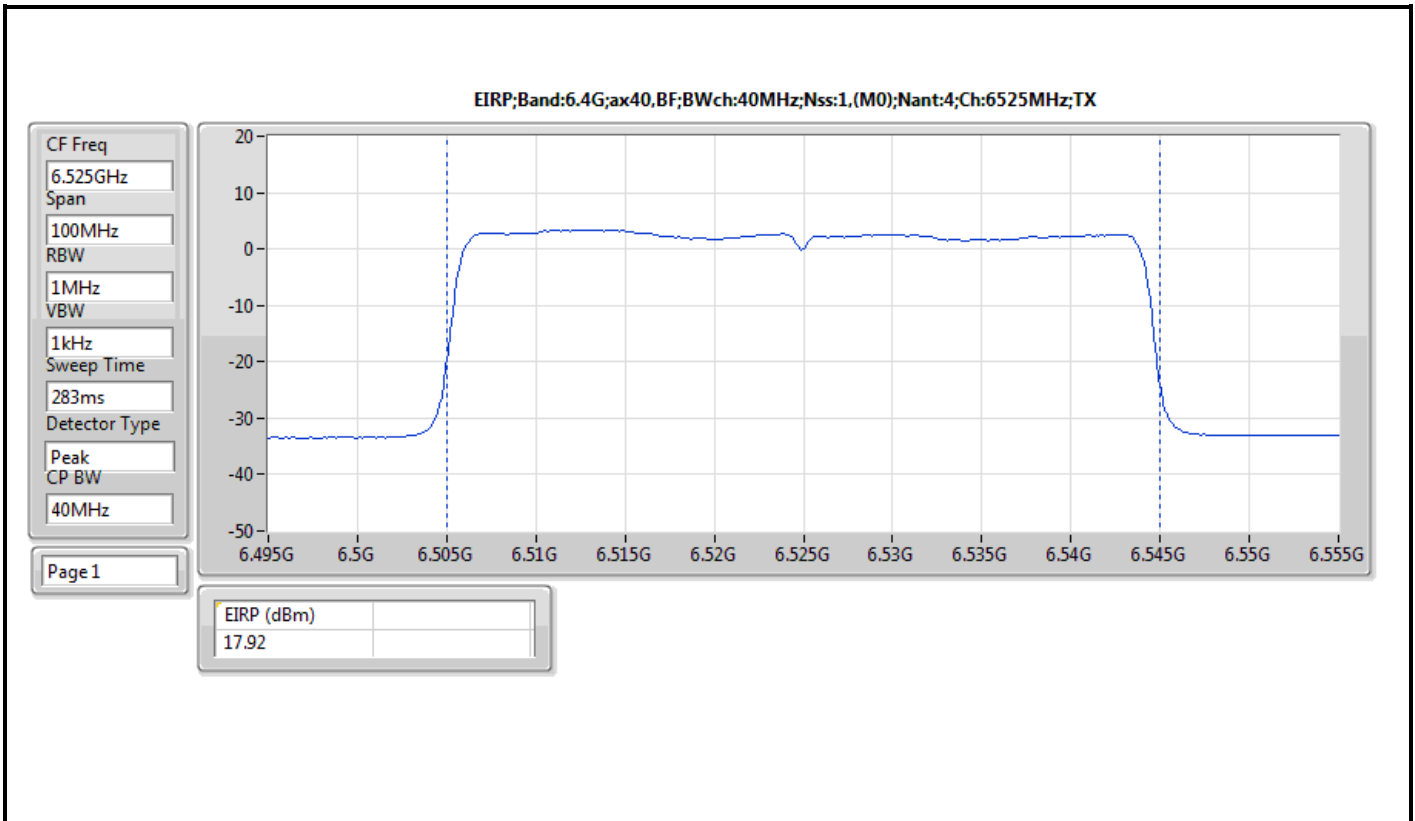


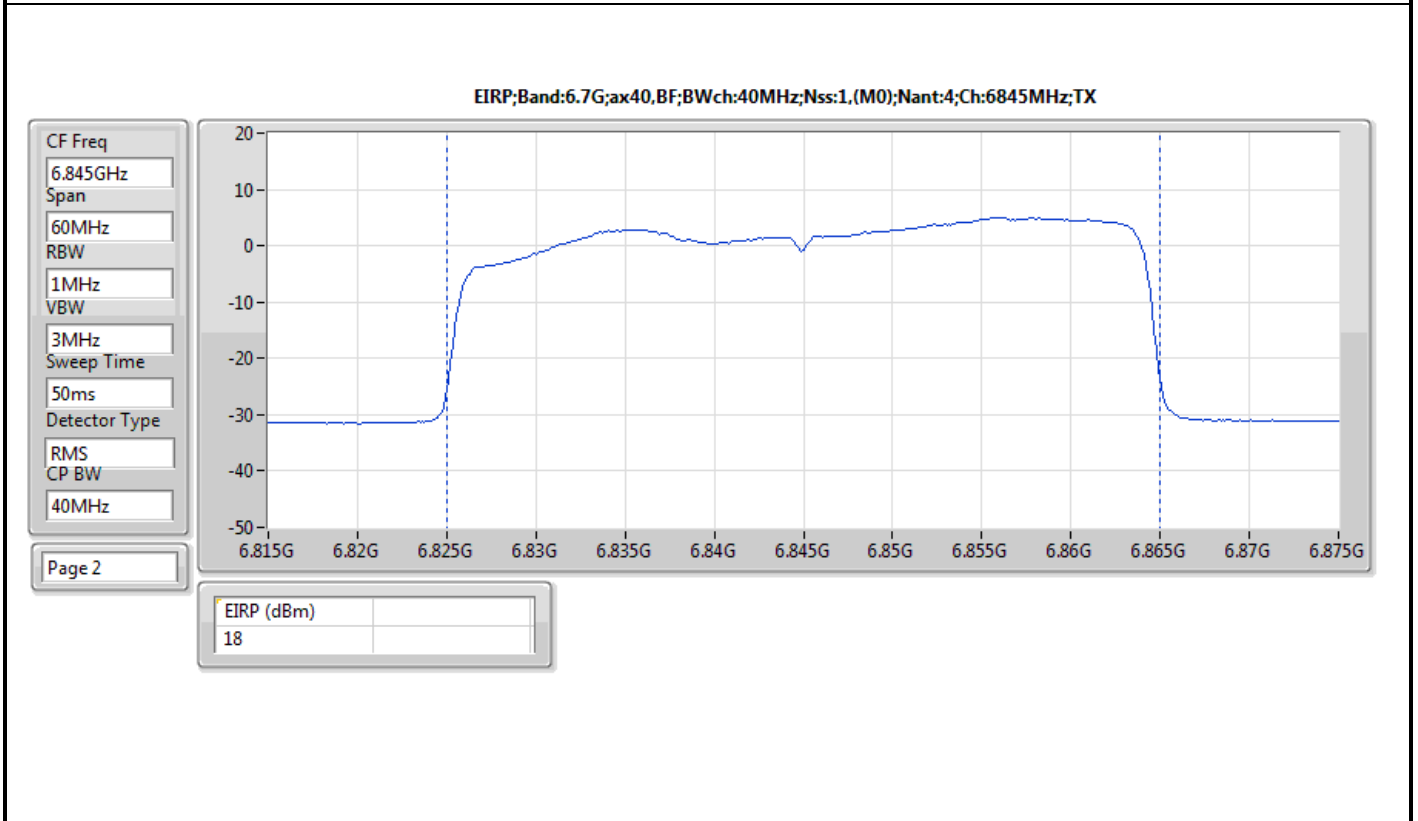
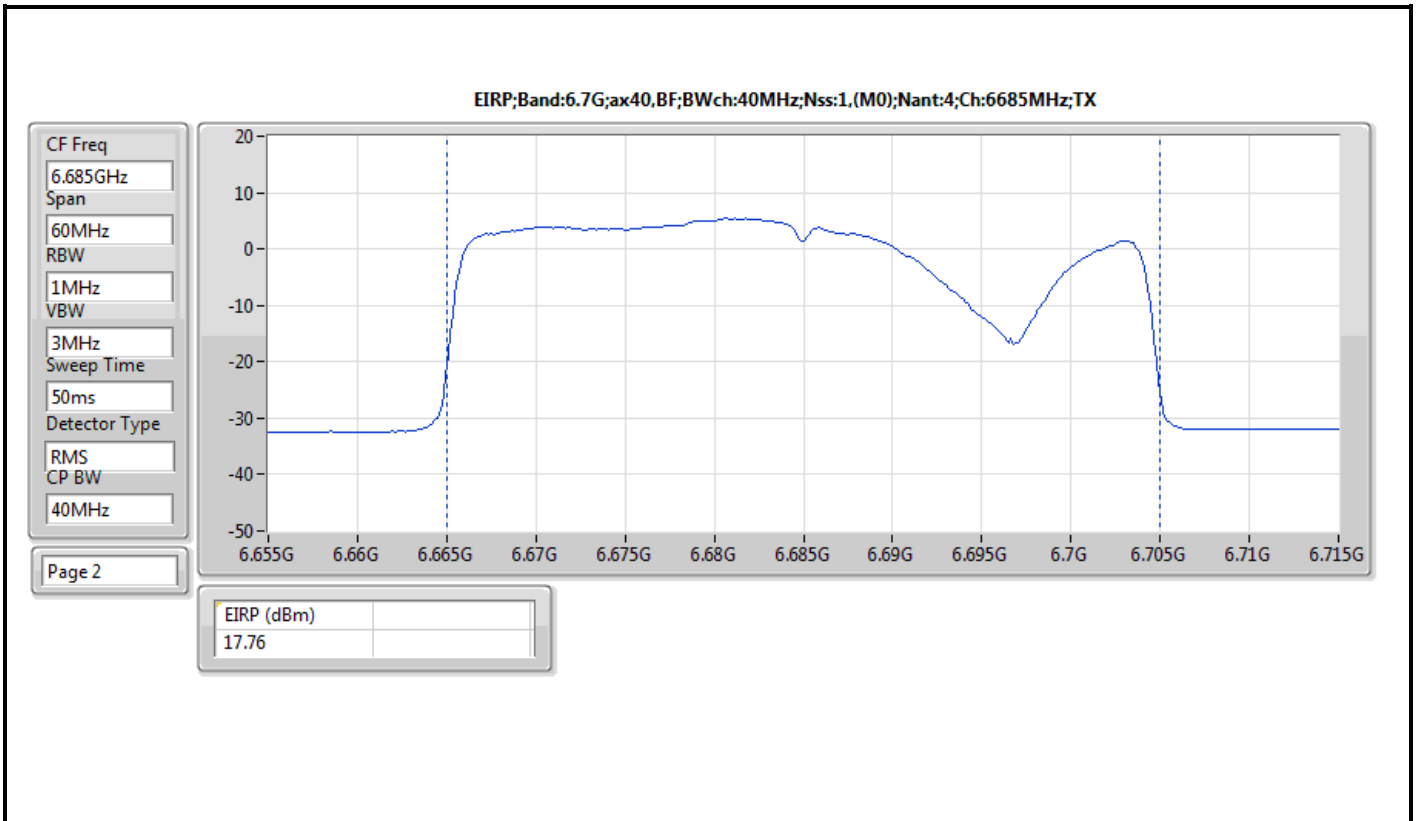


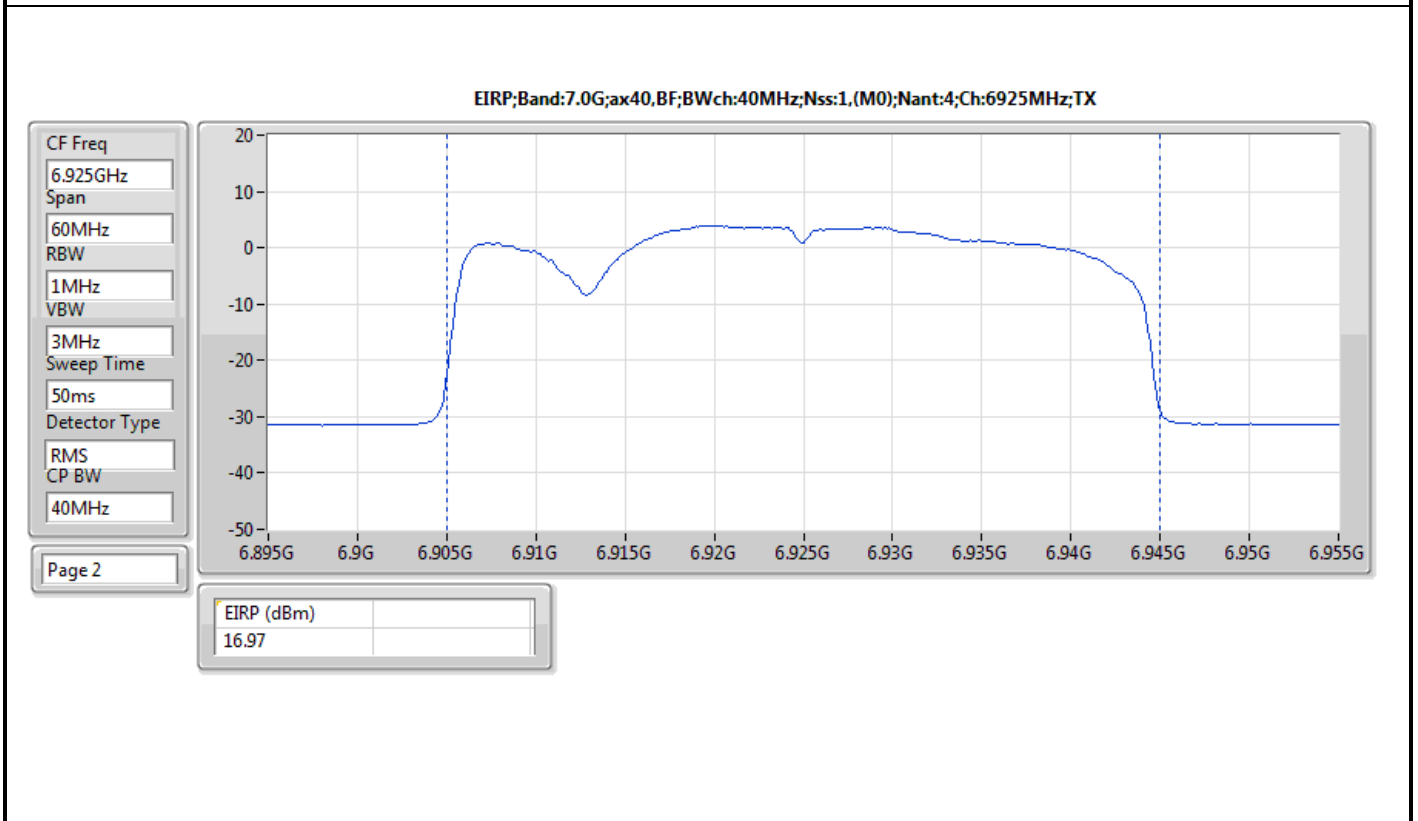
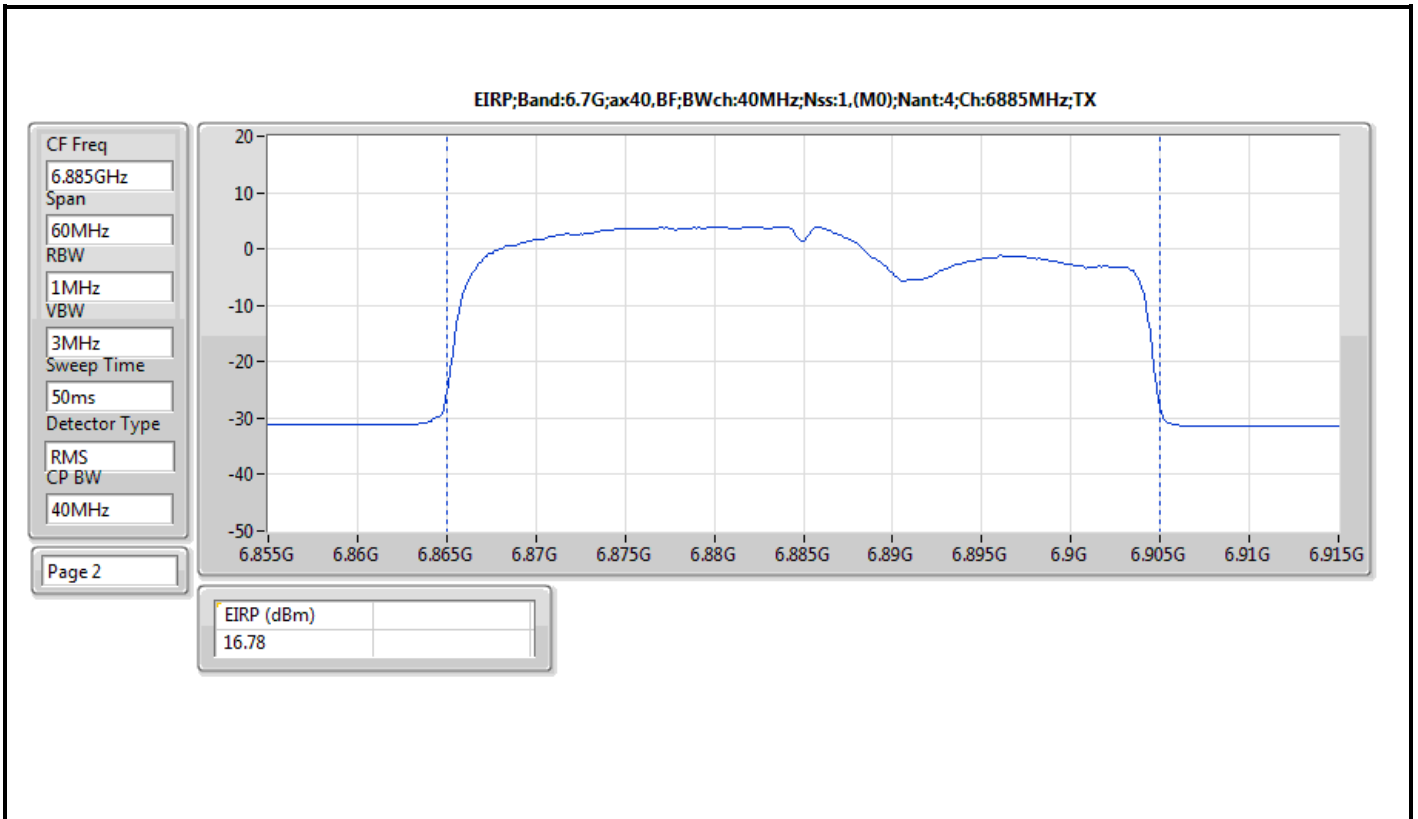


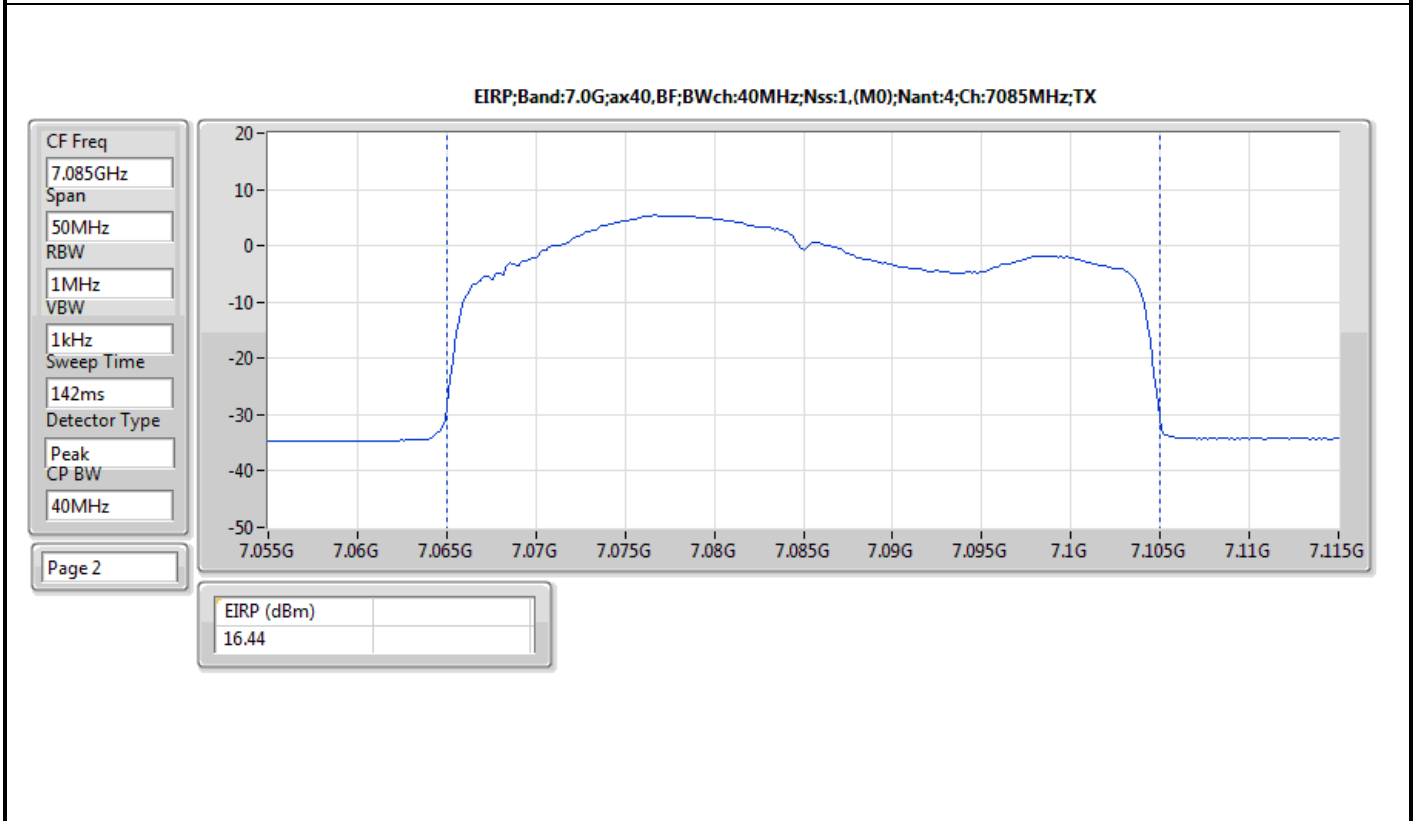
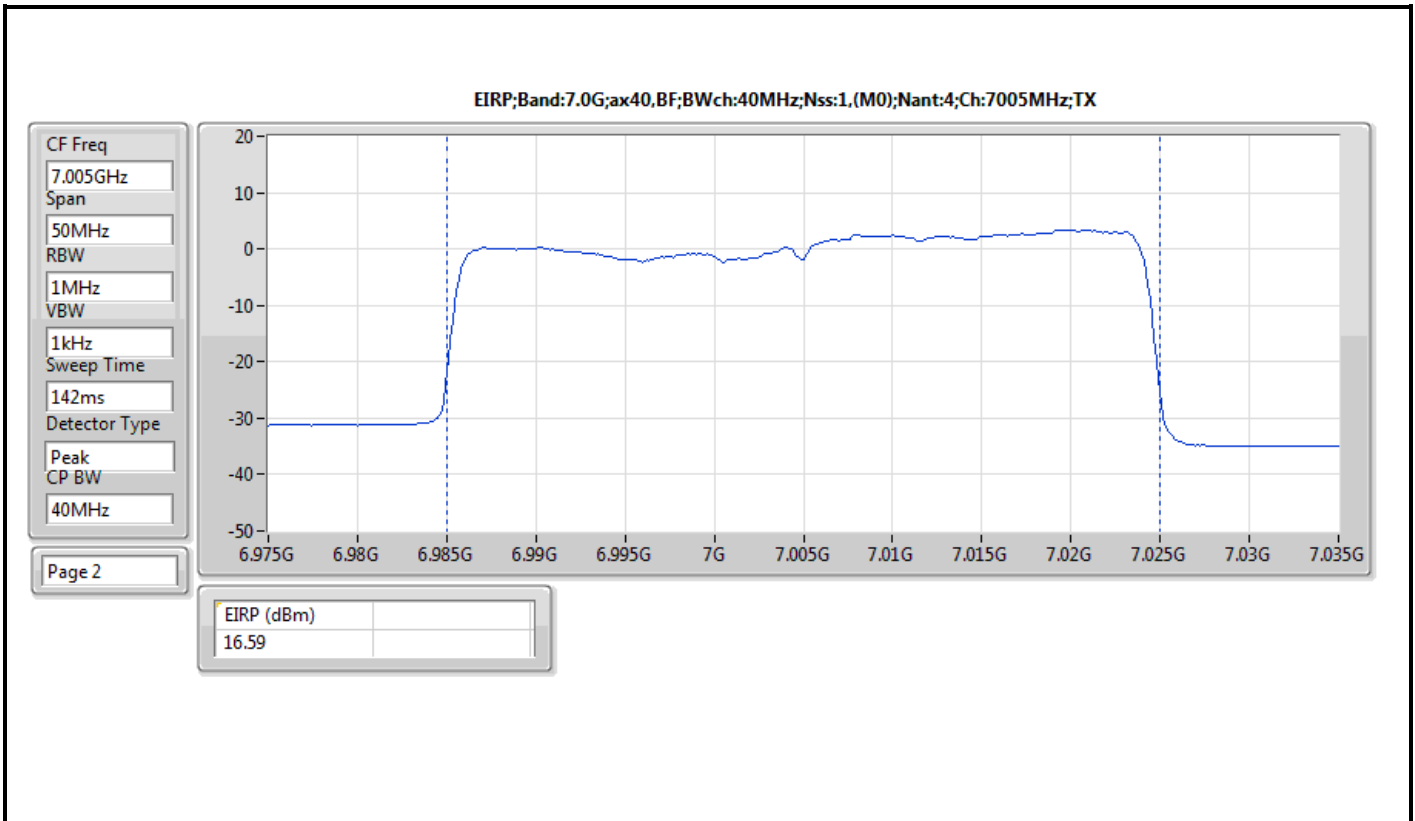


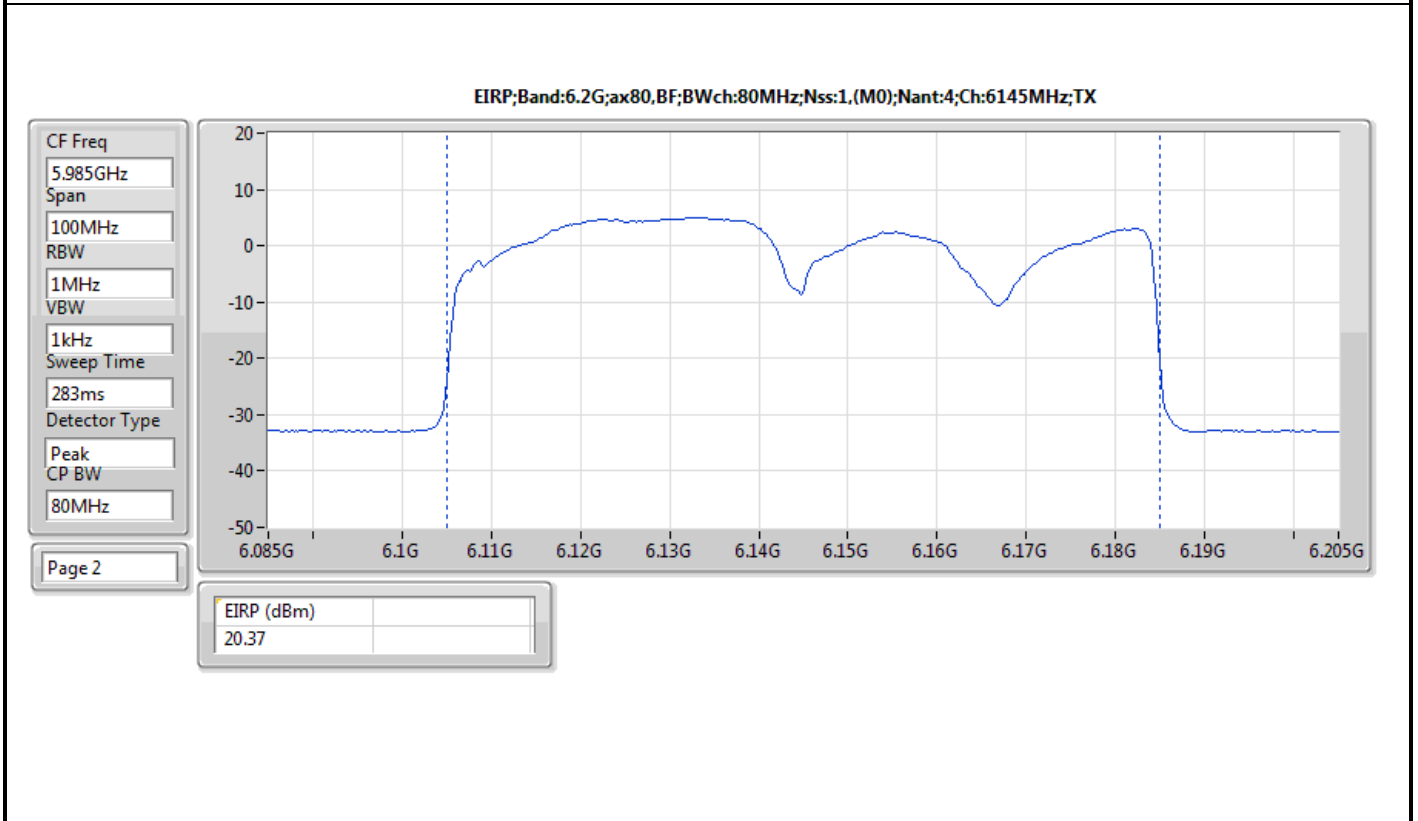
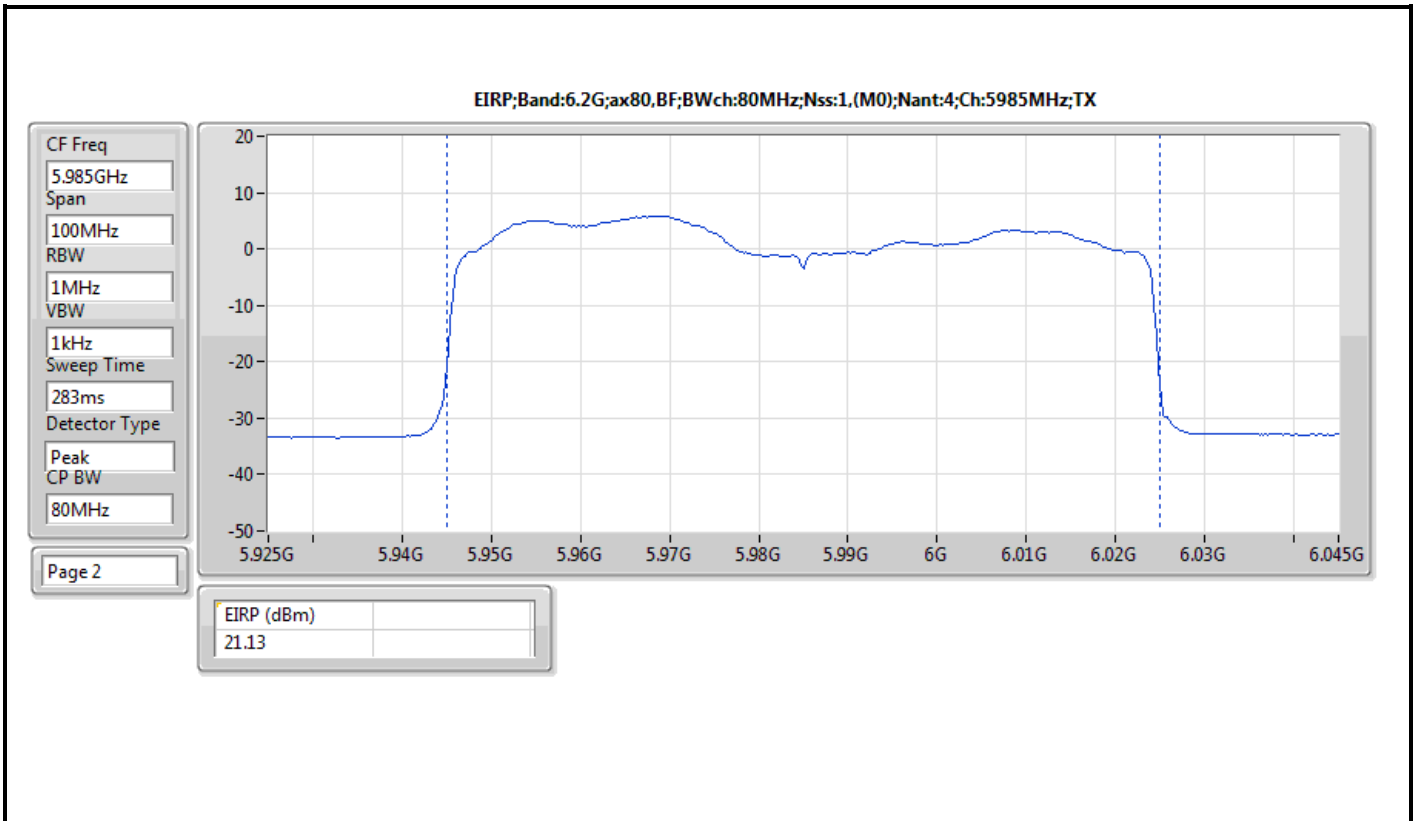


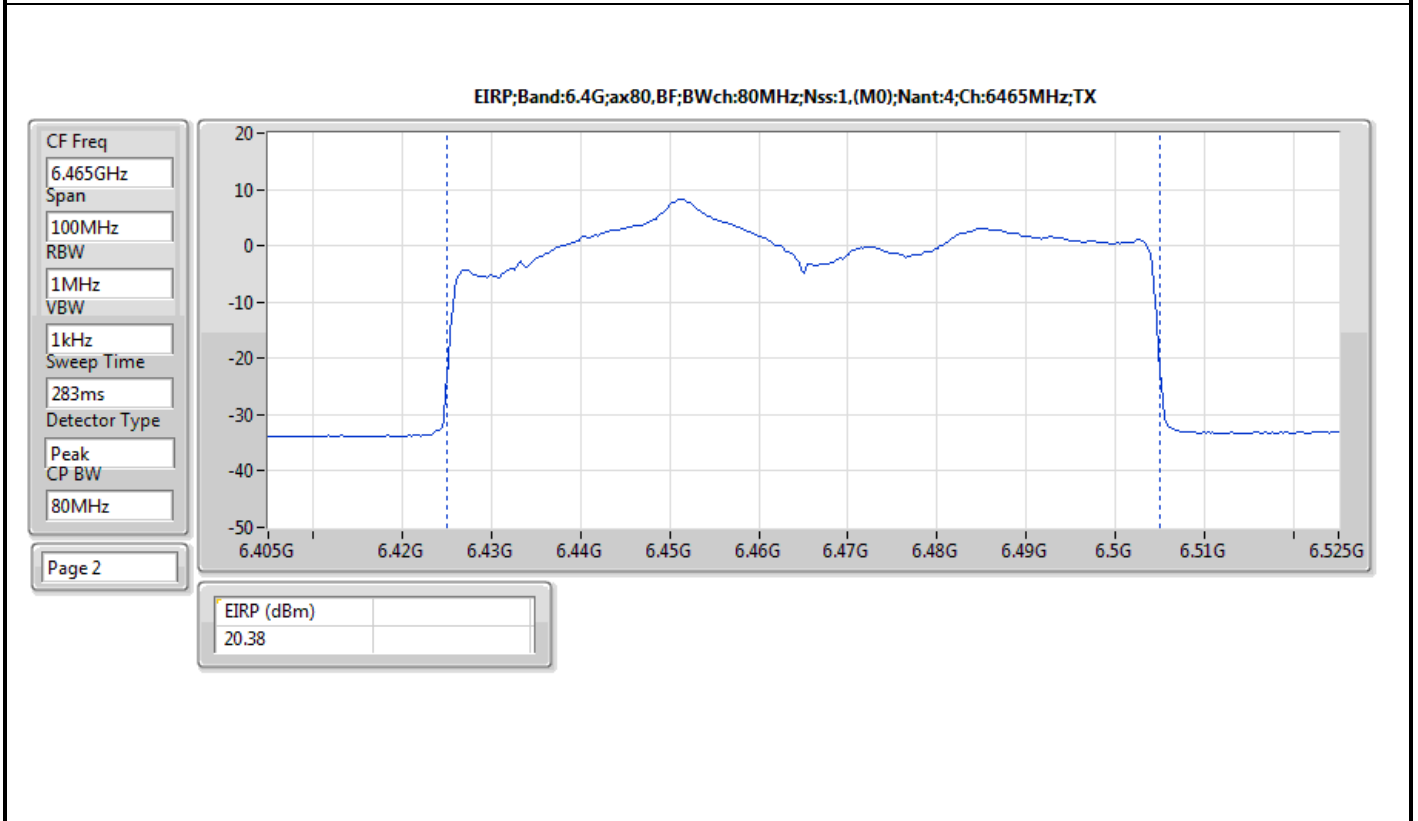
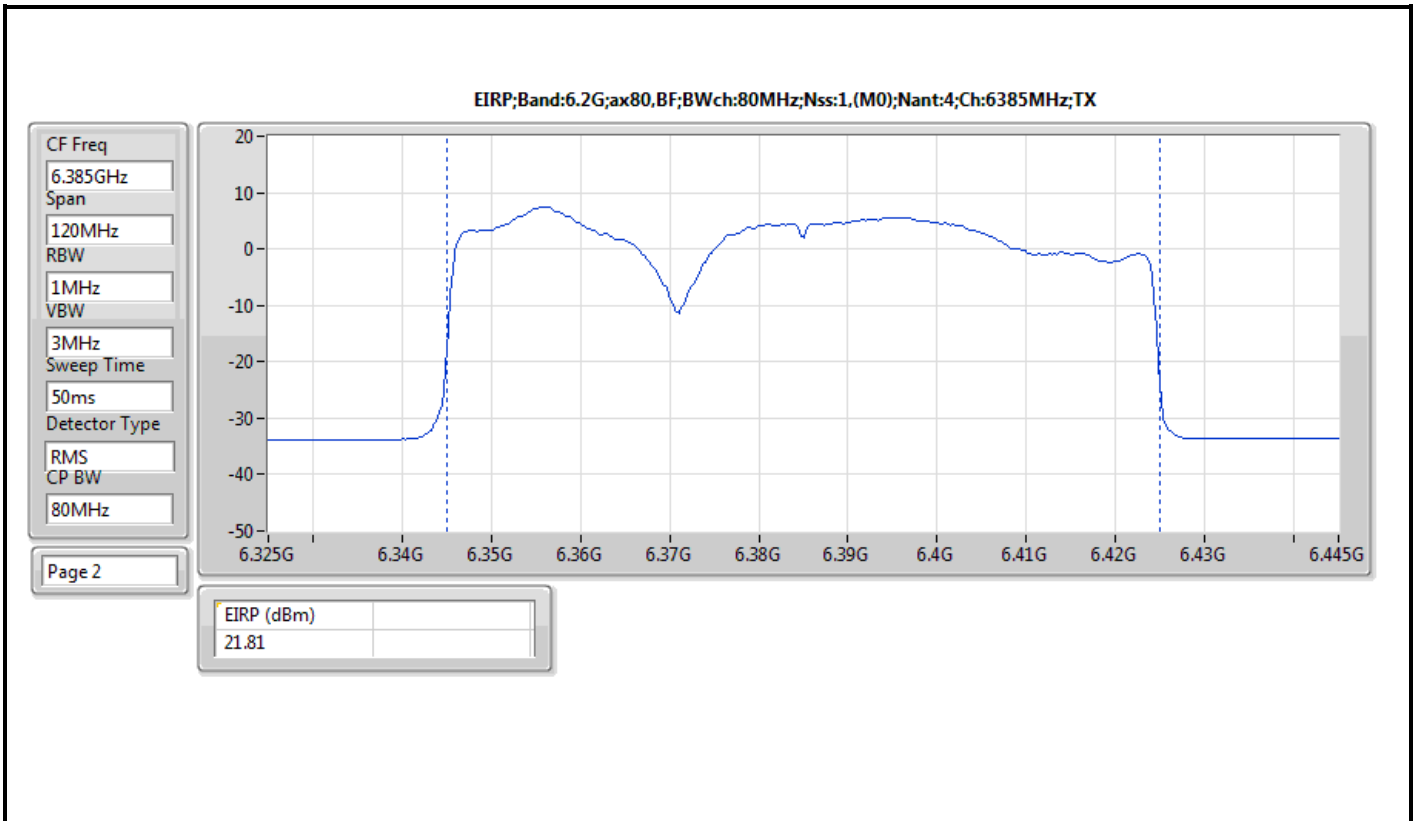


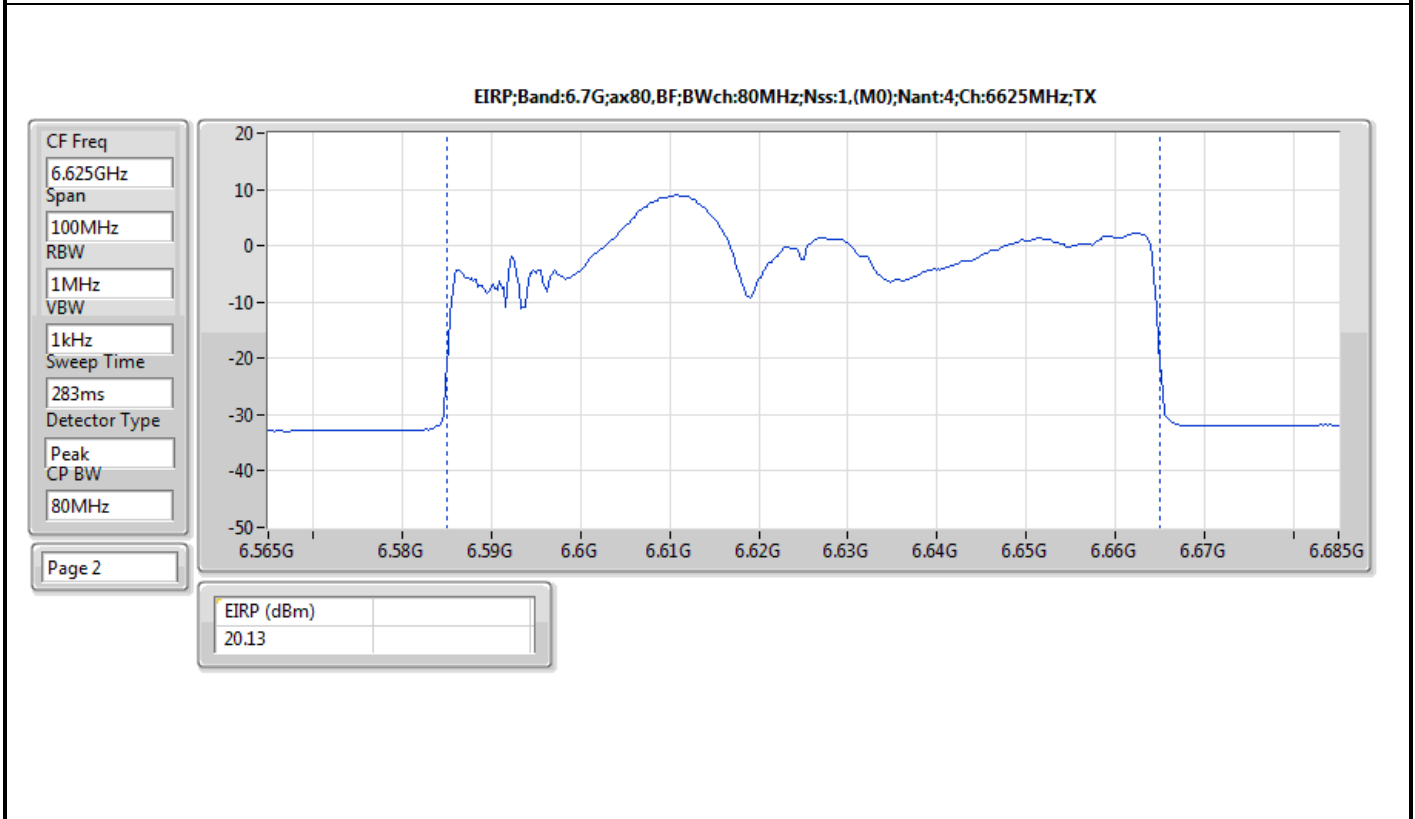
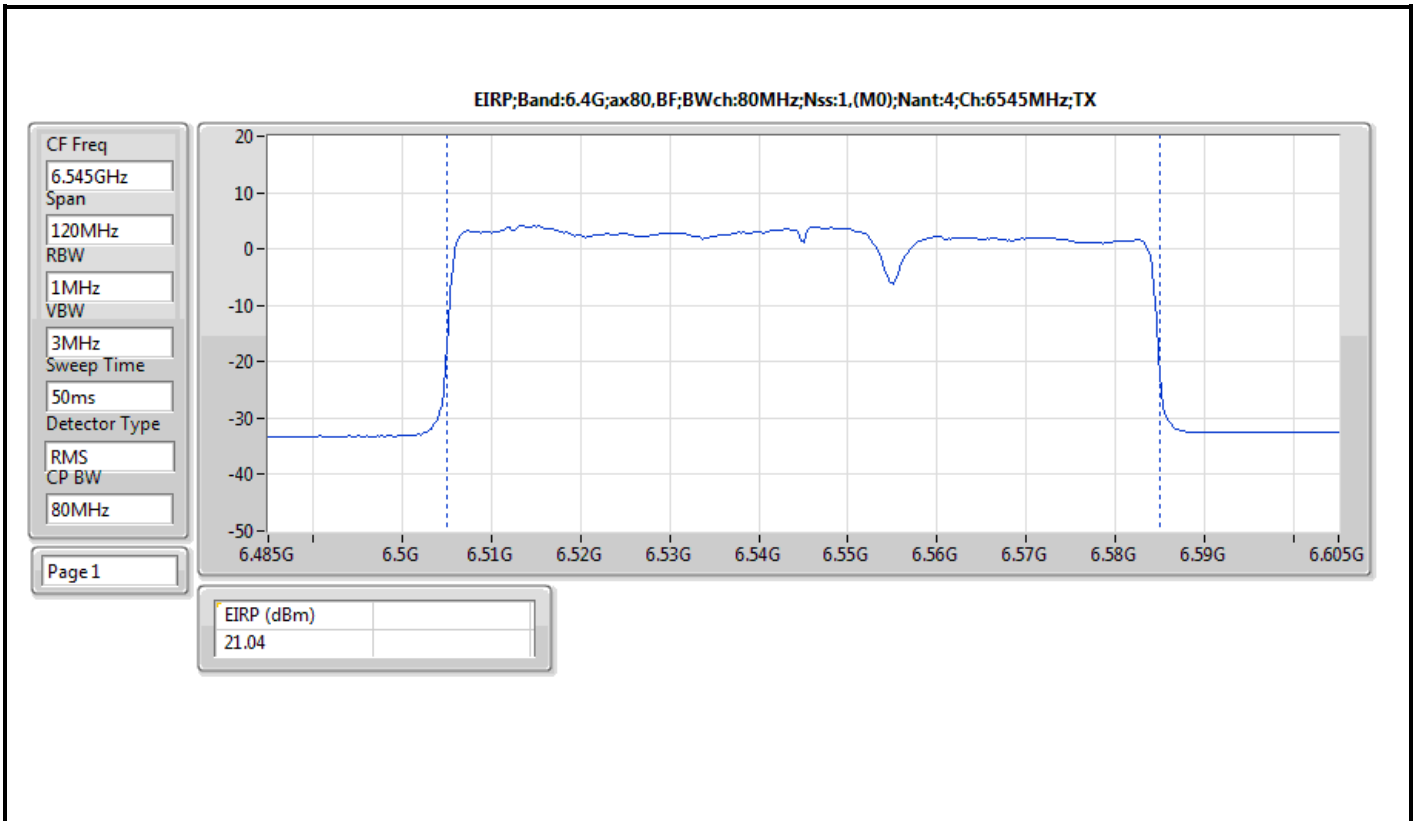


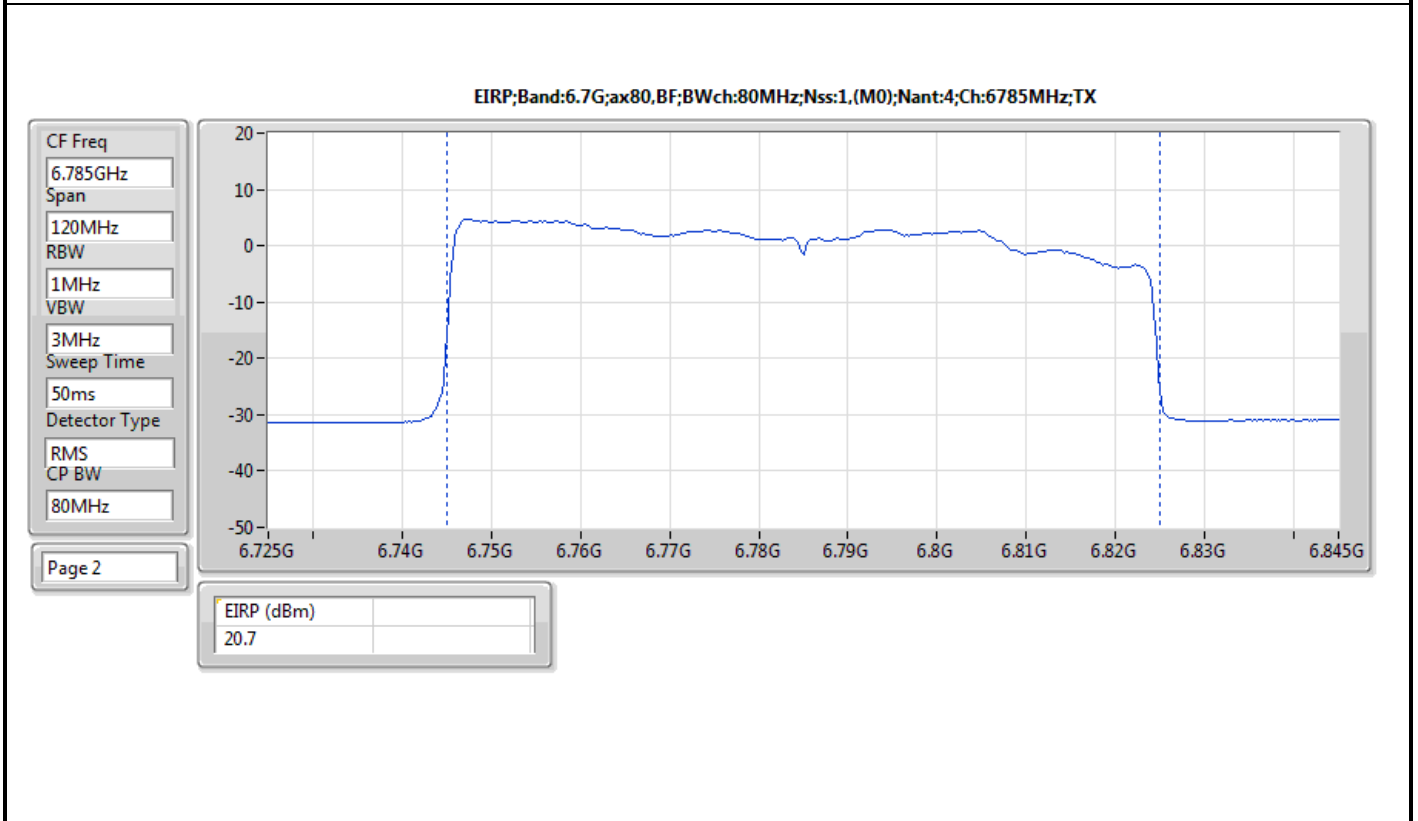
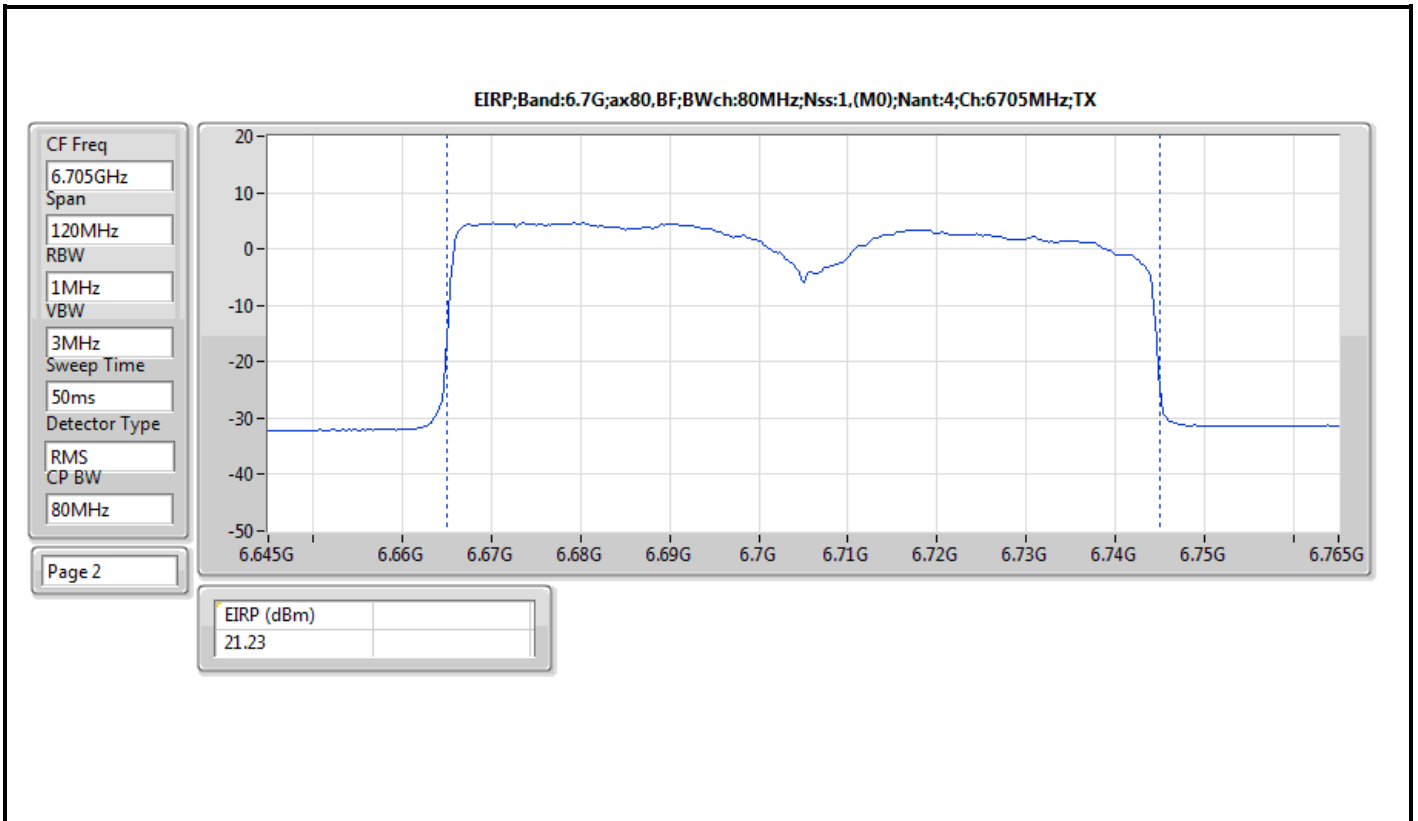


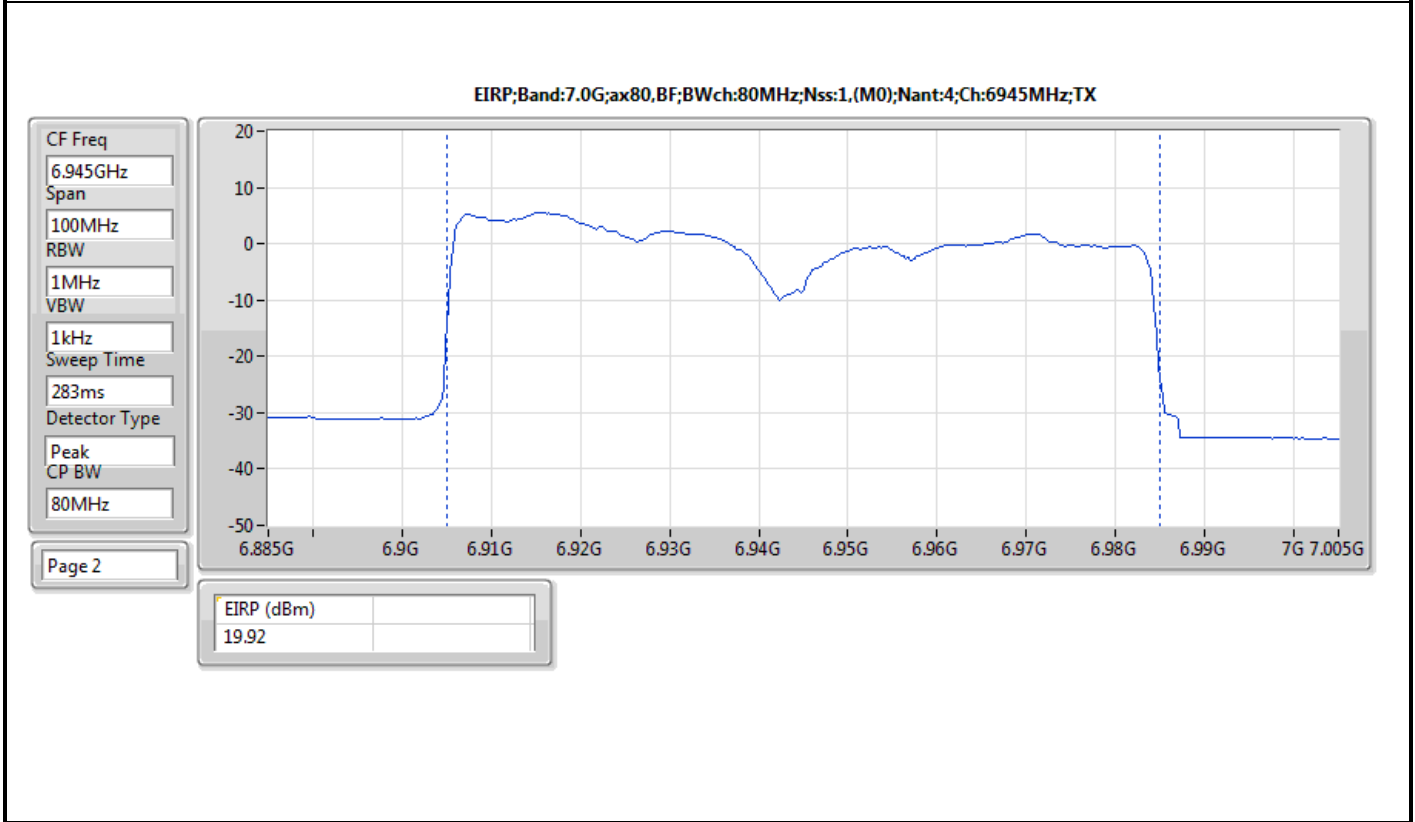
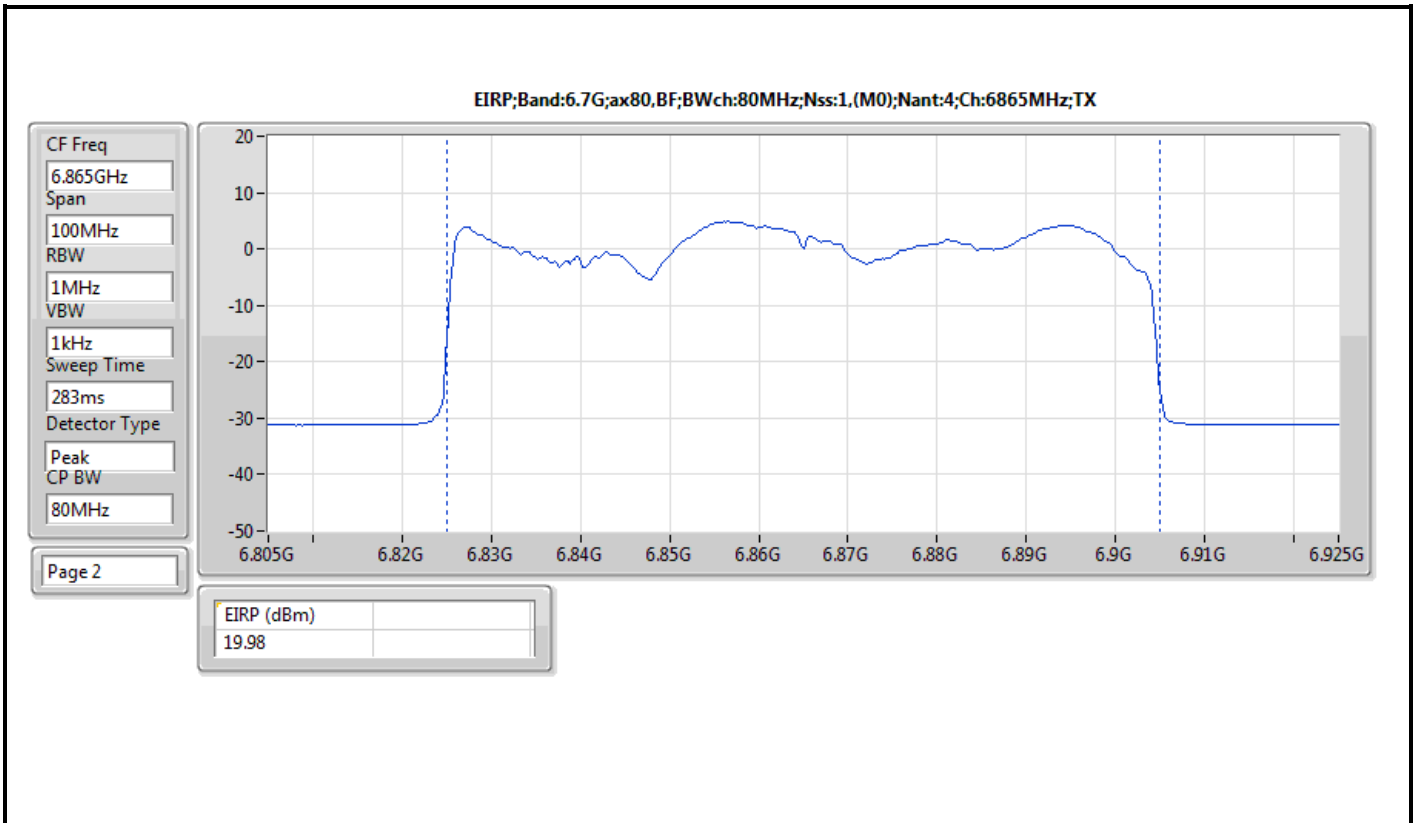


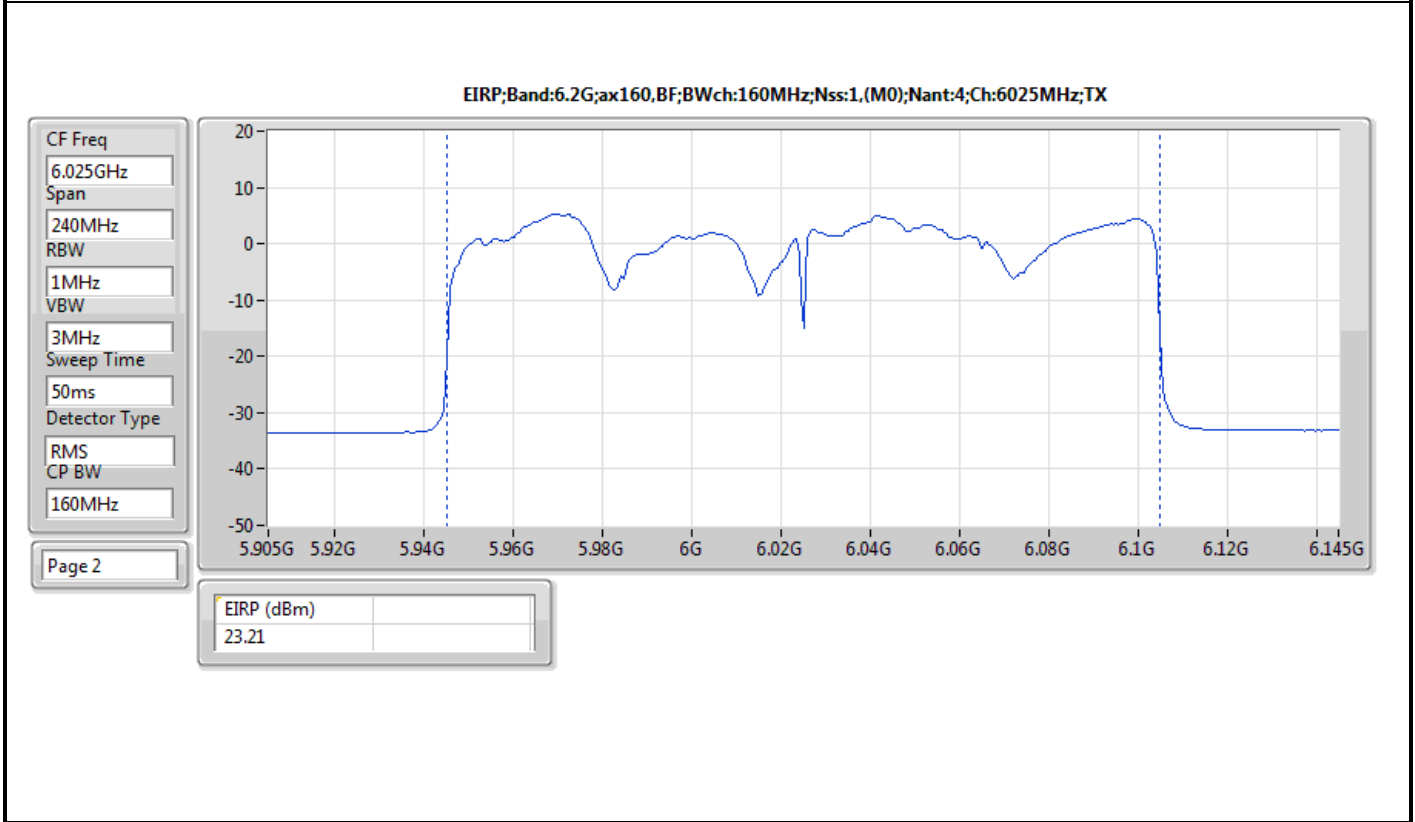
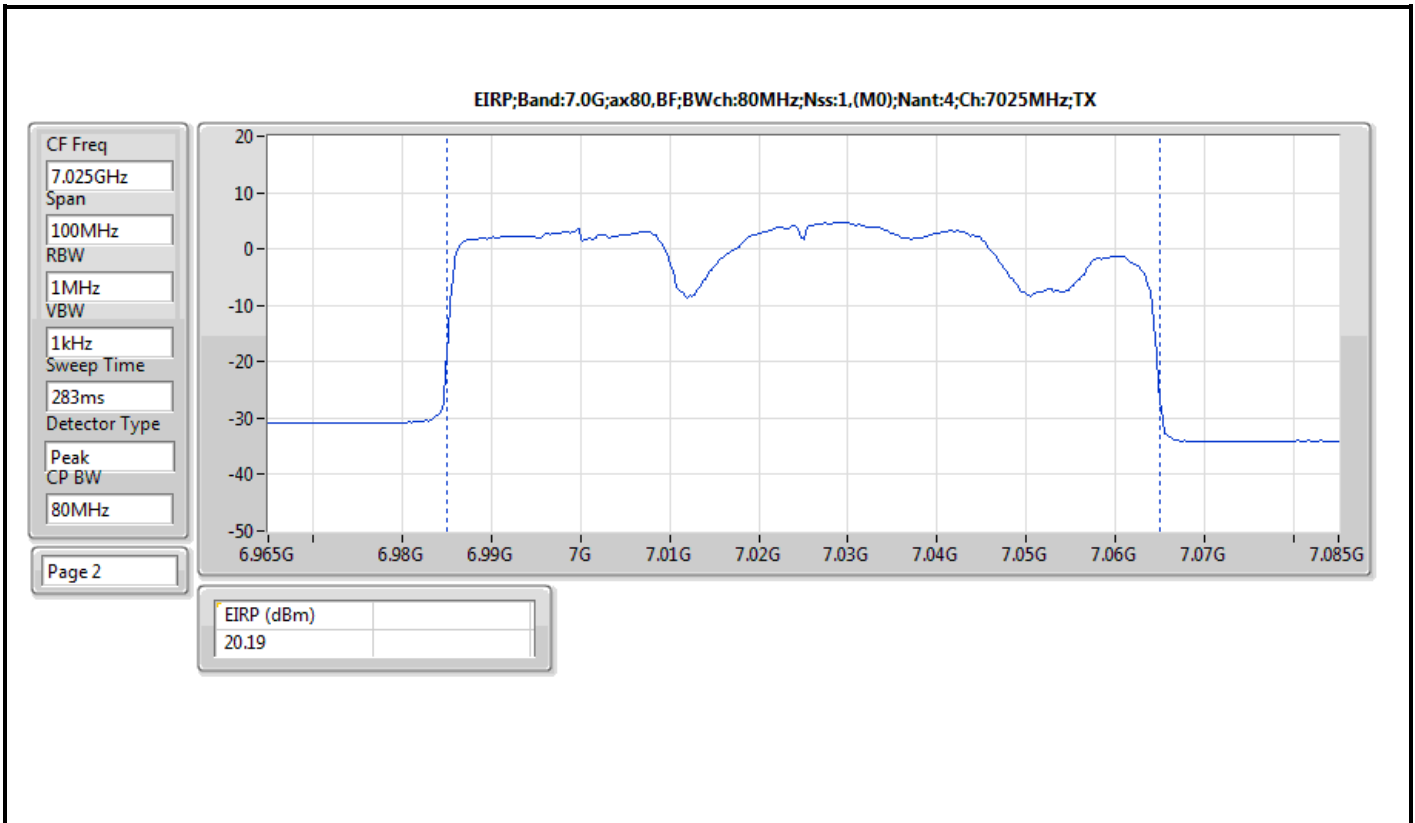


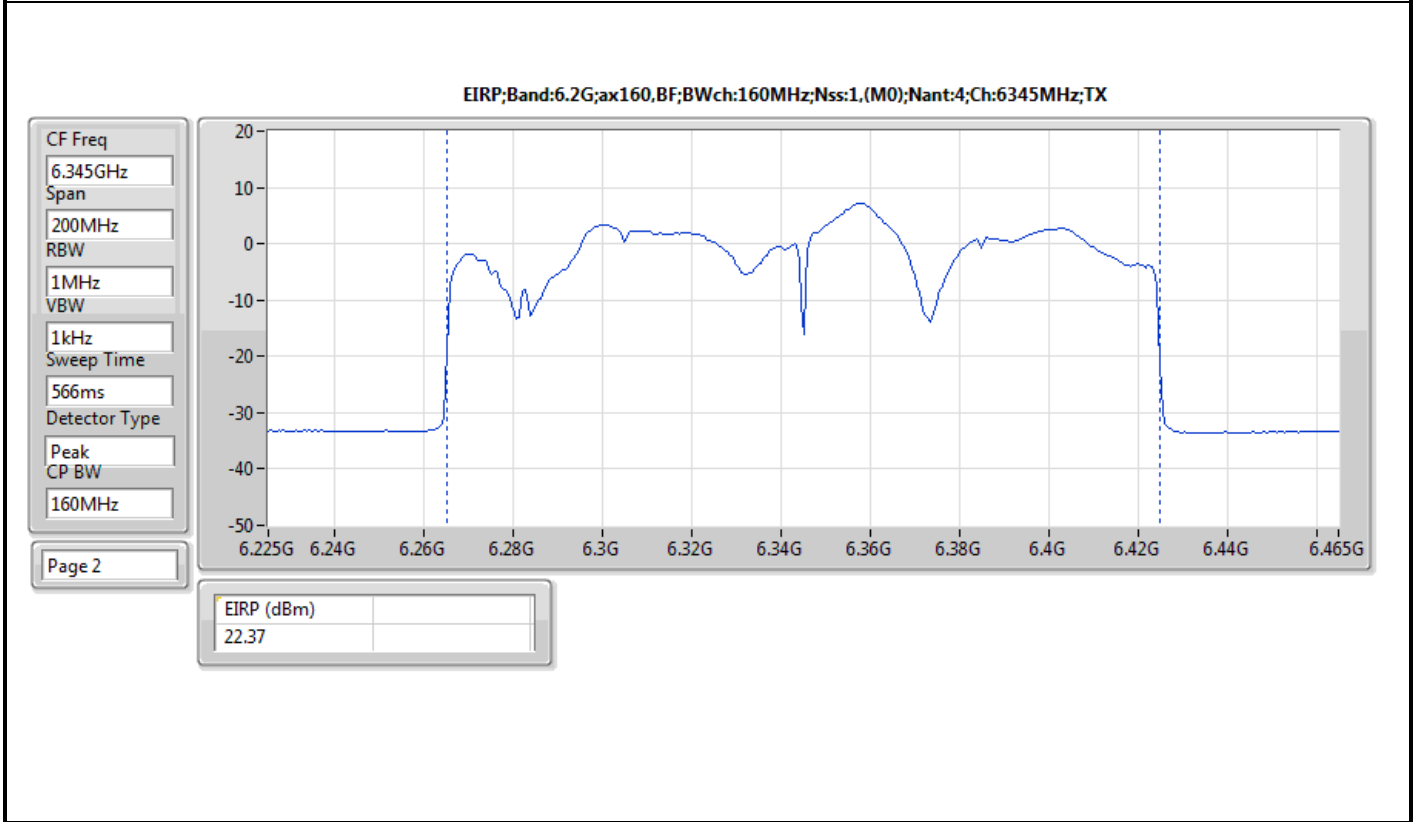
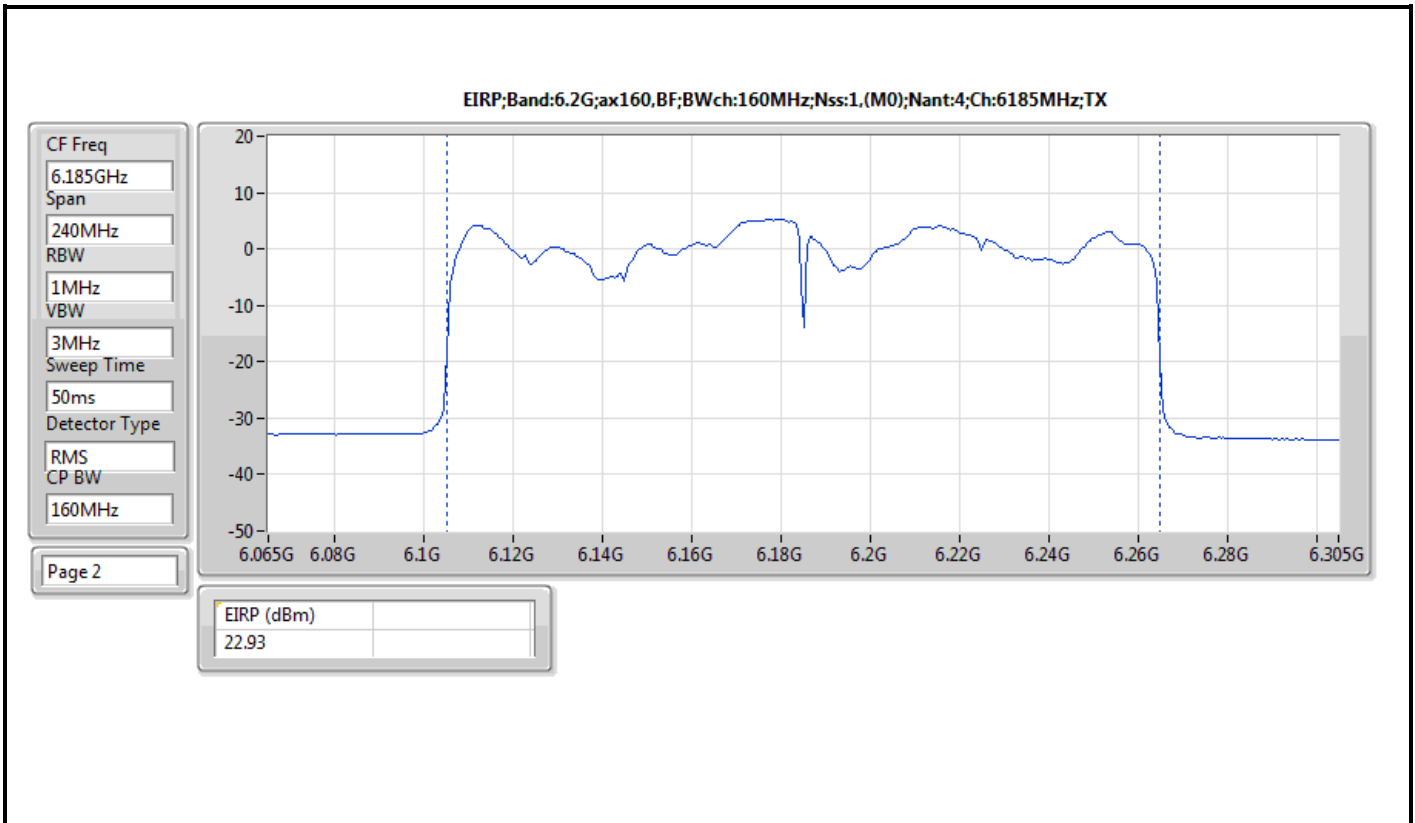


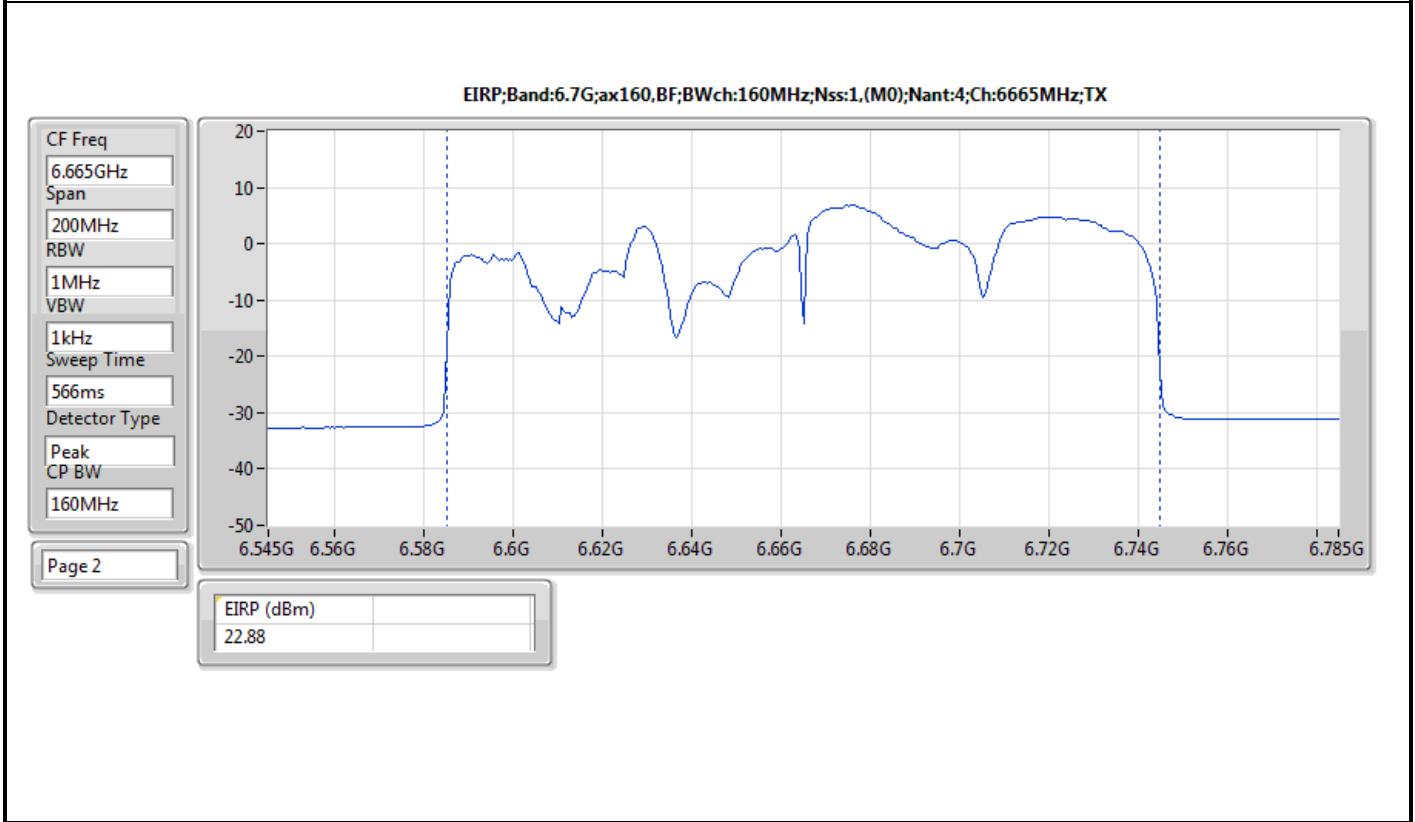
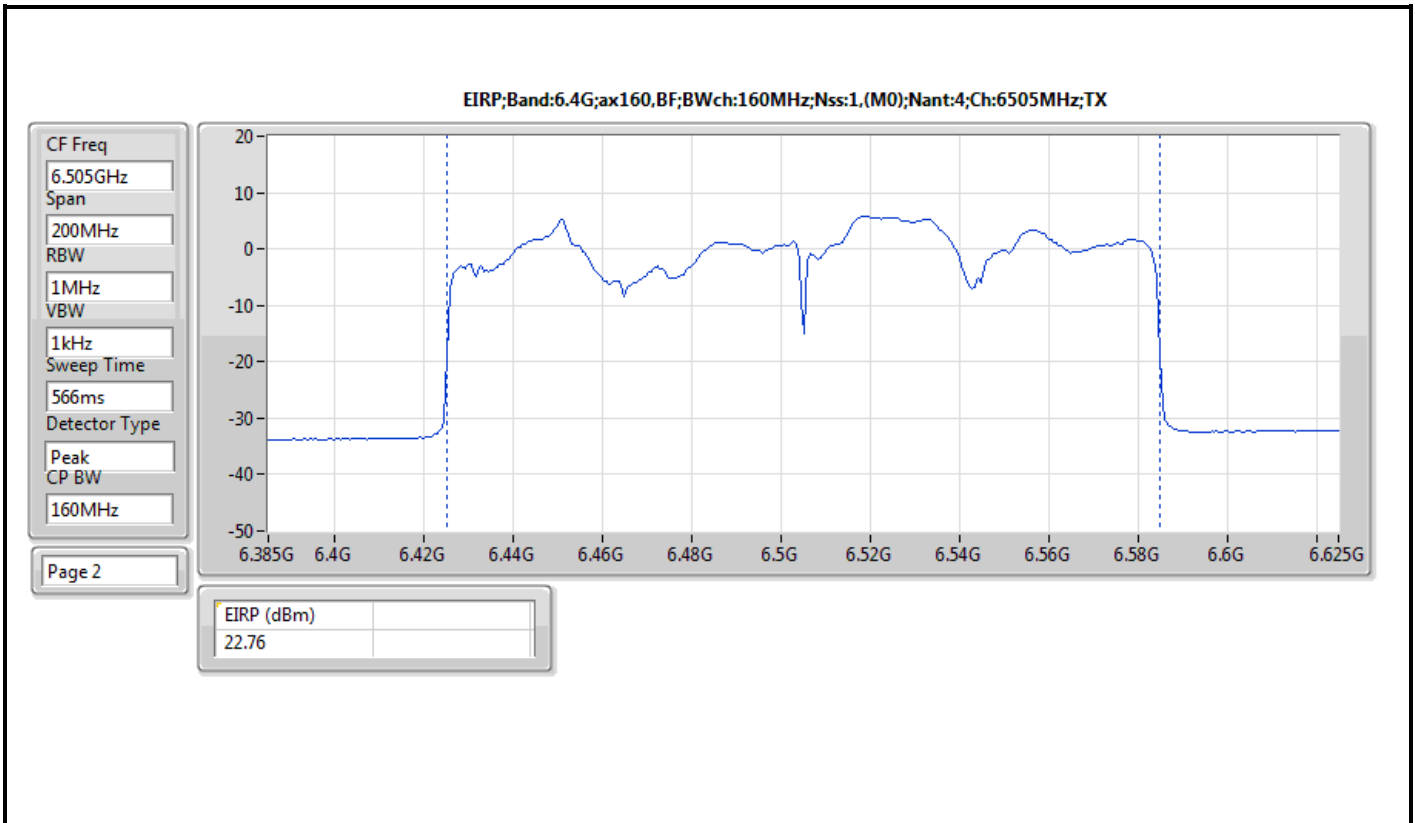


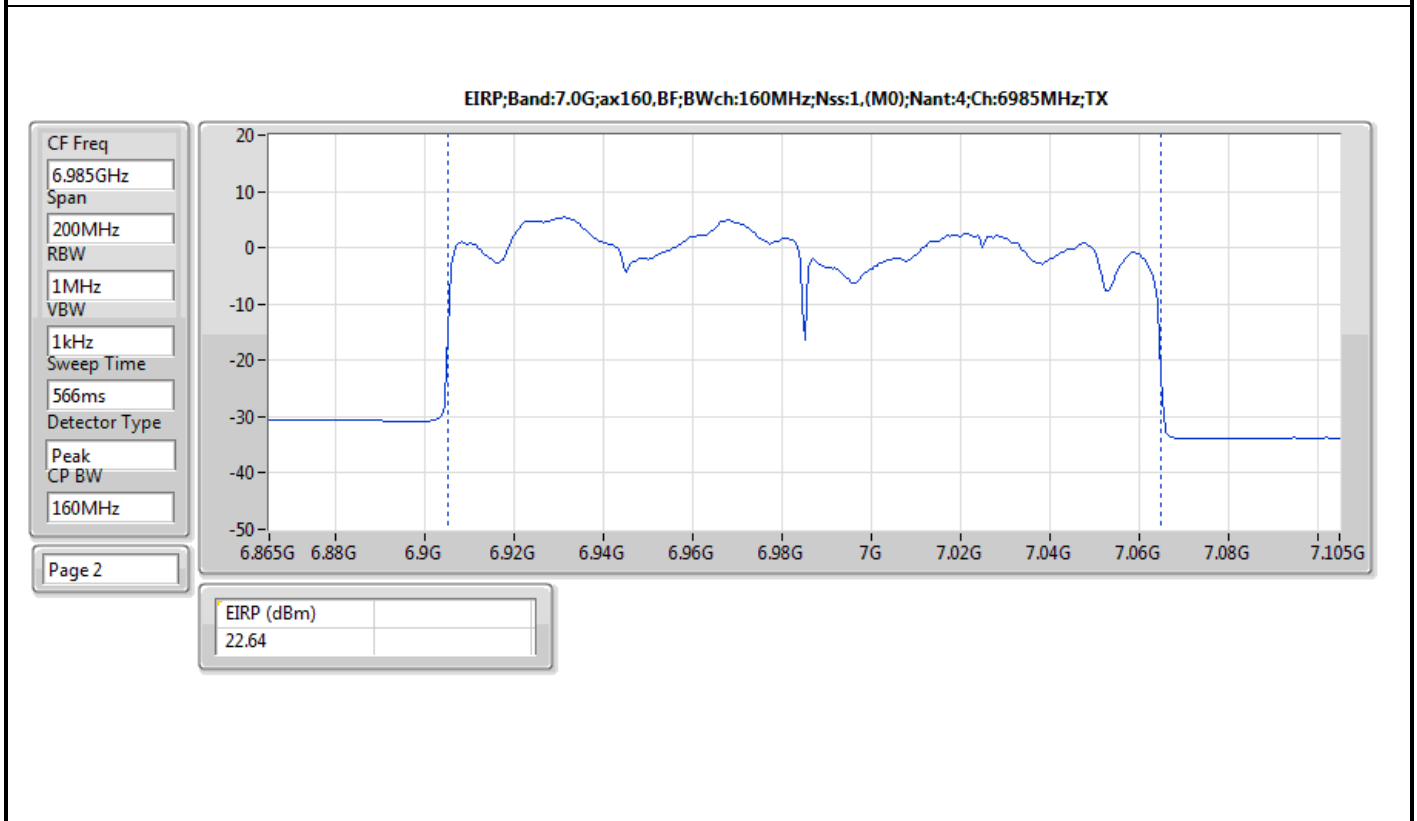
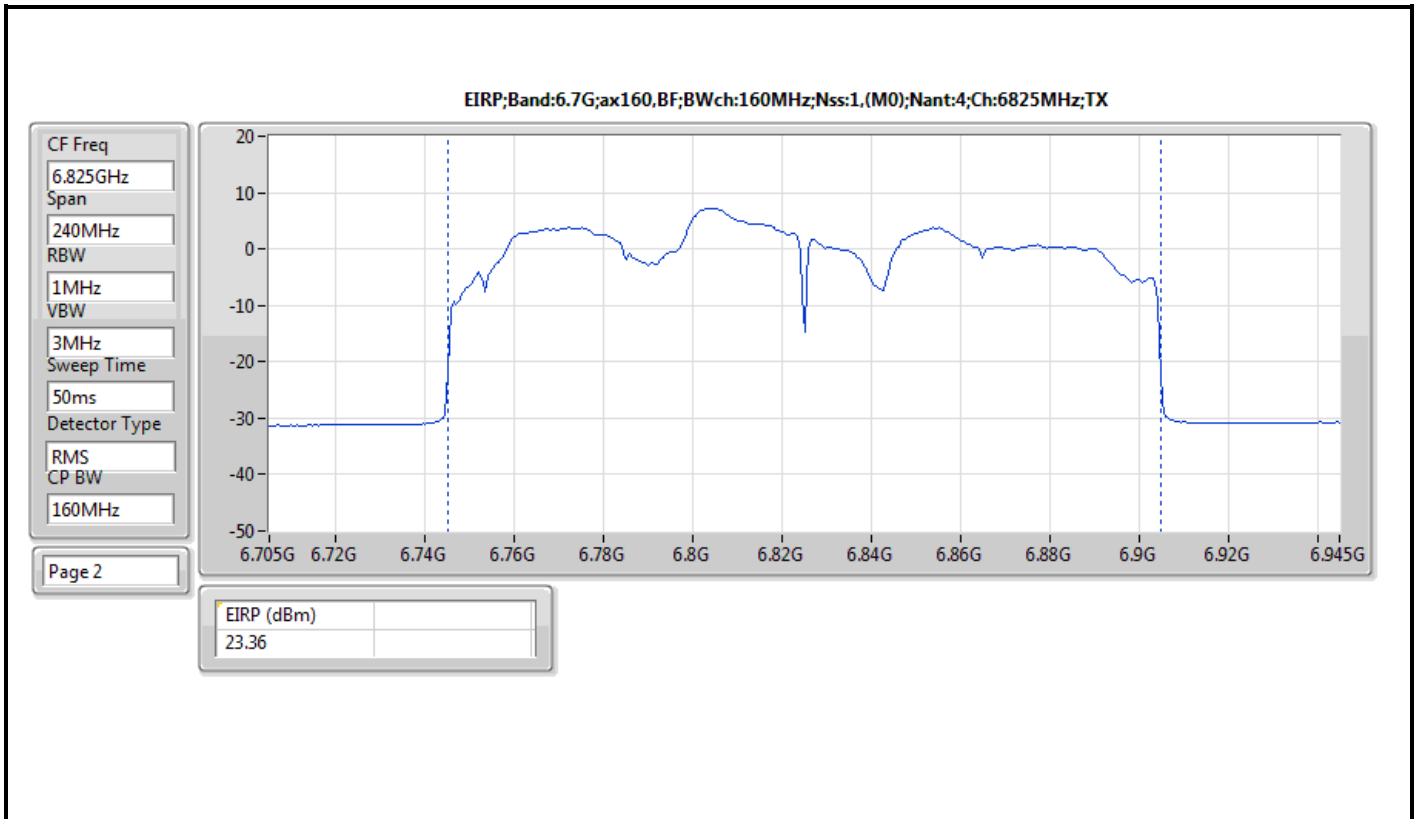












Summary

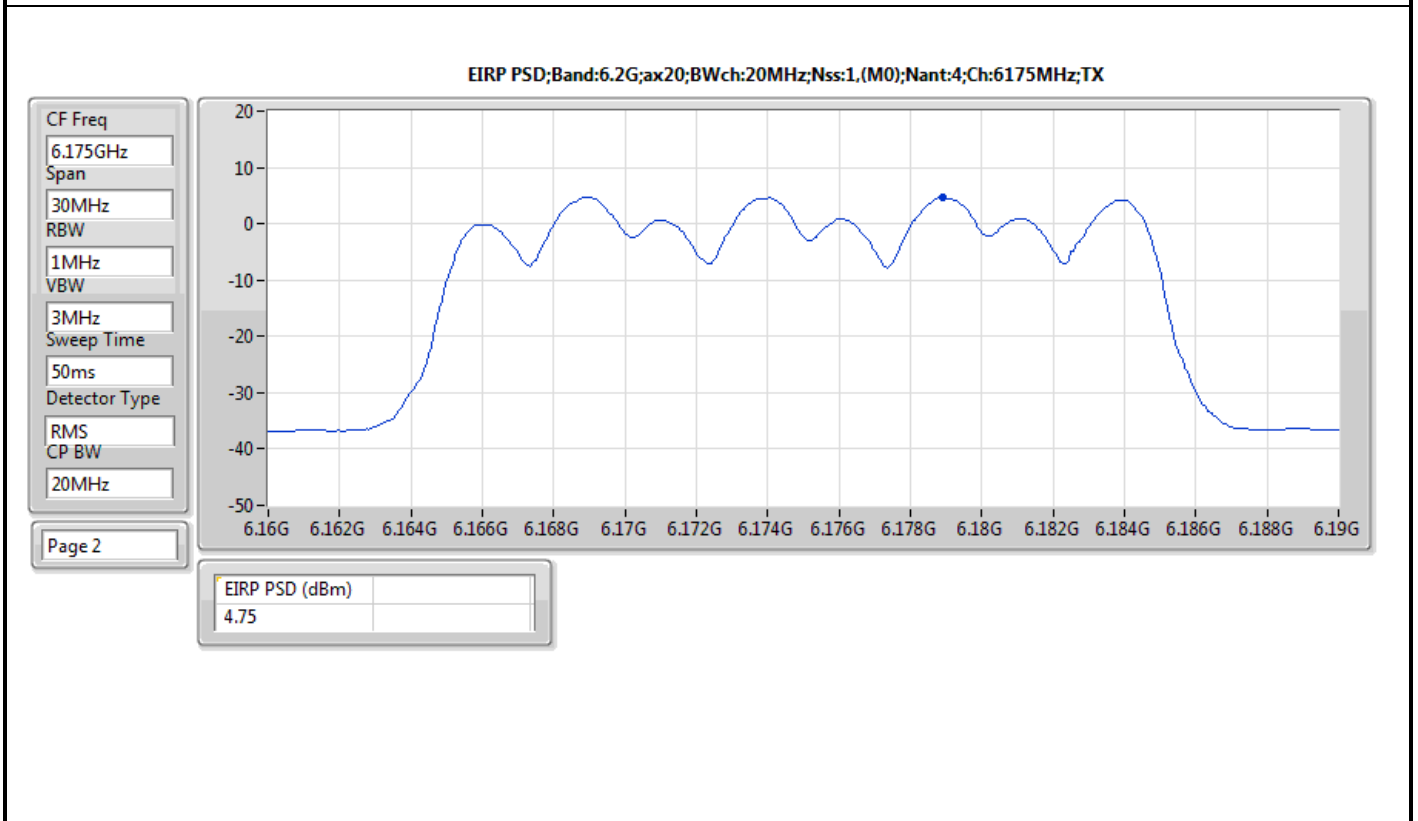
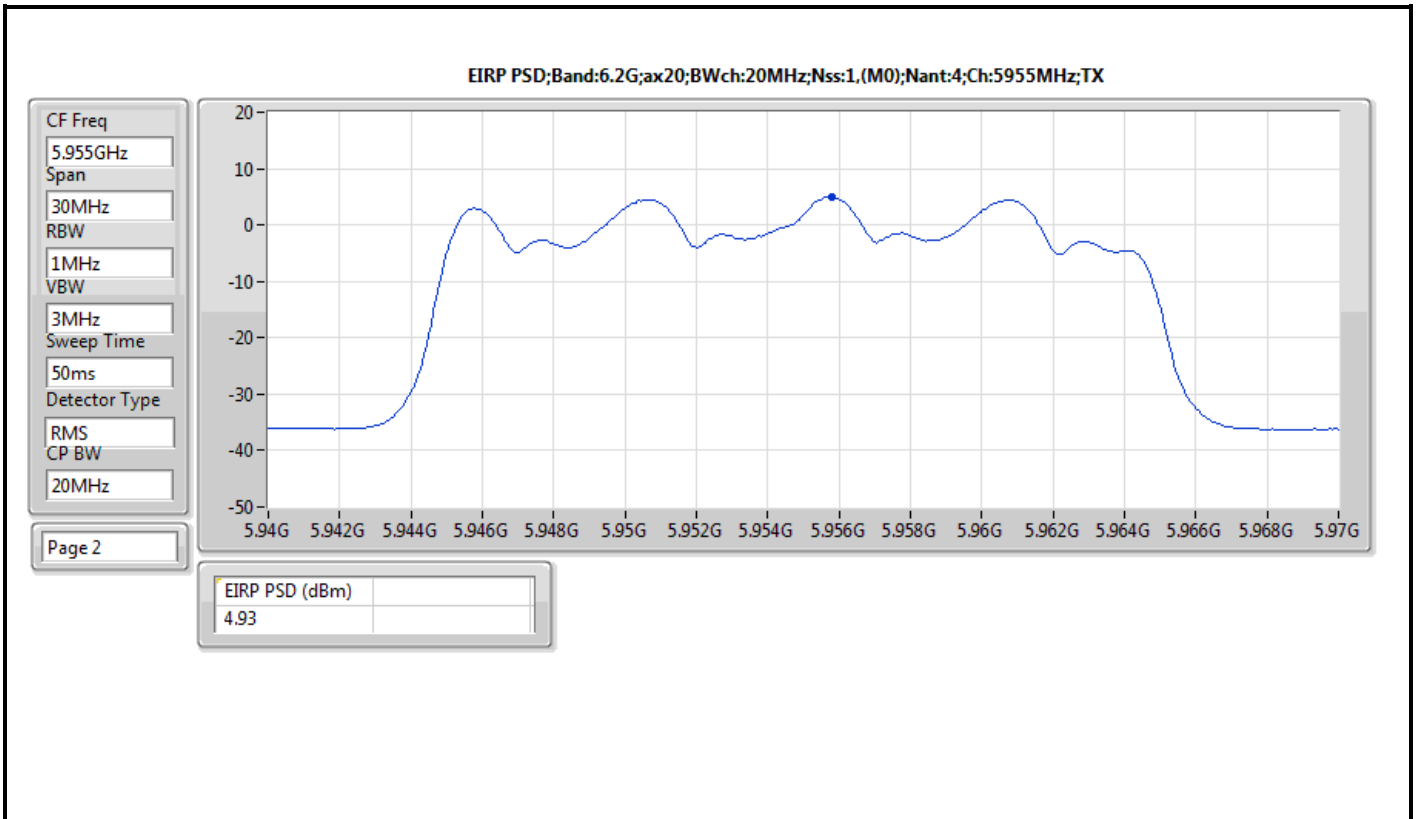
Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	4.99
802.11ax HEW40_Nss1,(MCS0)_4TX	4.91
802.11ax HEW80_Nss1,(MCS0)_4TX	4.86
802.11ax HEW160_Nss1,(MCS0)_4TX	4.91
6.425-6.525GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	4.97
802.11ax HEW40_Nss1,(MCS0)_4TX	4.79
802.11ax HEW80_Nss1,(MCS0)_4TX	4.83
802.11ax HEW160_Nss1,(MCS0)_4TX	4.90
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	4.99
802.11ax HEW40_Nss1,(MCS0)_4TX	4.98
802.11ax HEW80_Nss1,(MCS0)_4TX	4.97
802.11ax HEW160_Nss1,(MCS0)_4TX	4.85
6.875-7.125GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	4.92
802.11ax HEW40_Nss1,(MCS0)_4TX	4.94
802.11ax HEW80_Nss1,(MCS0)_4TX	4.92
802.11ax HEW160_Nss1,(MCS0)_4TX	4.84

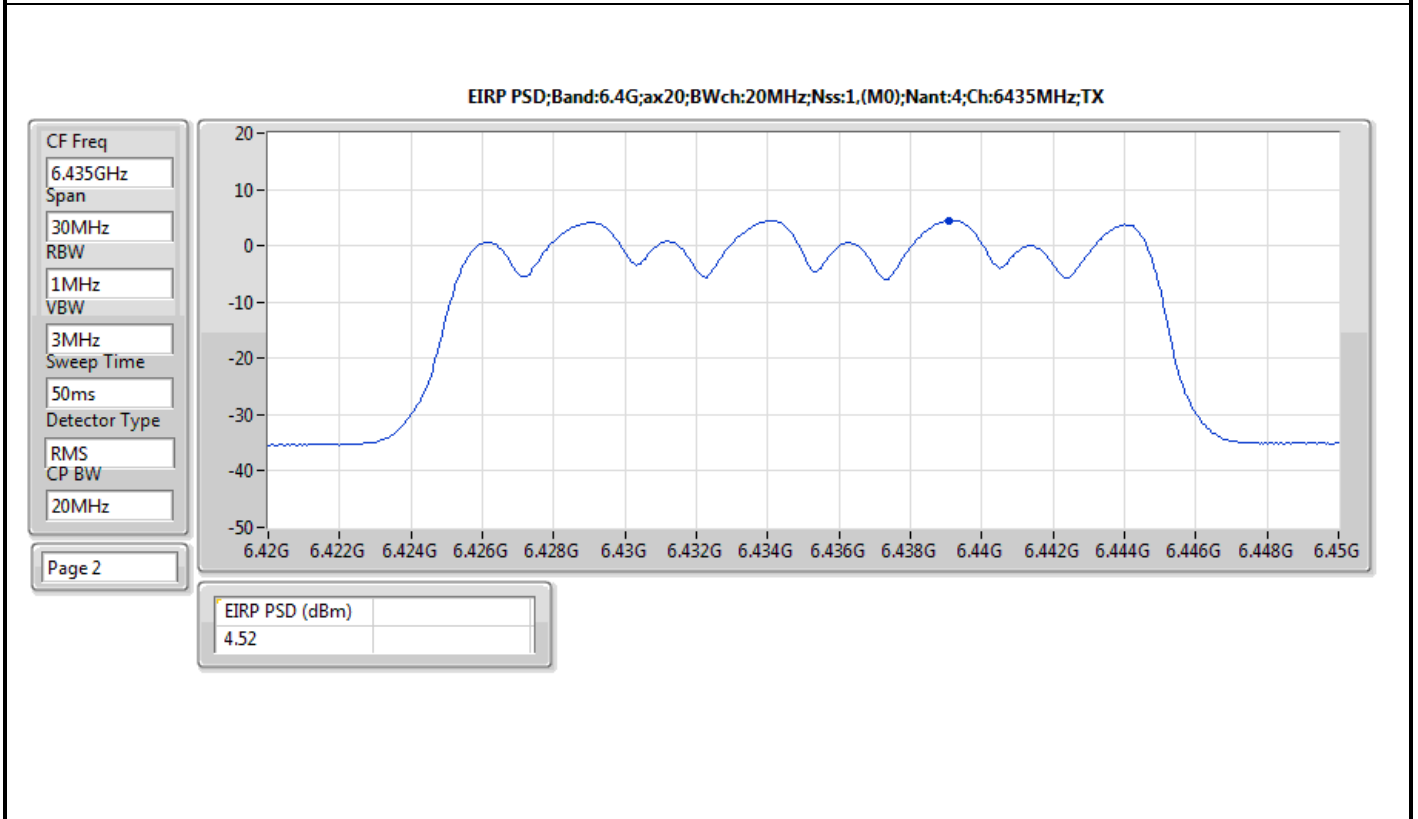
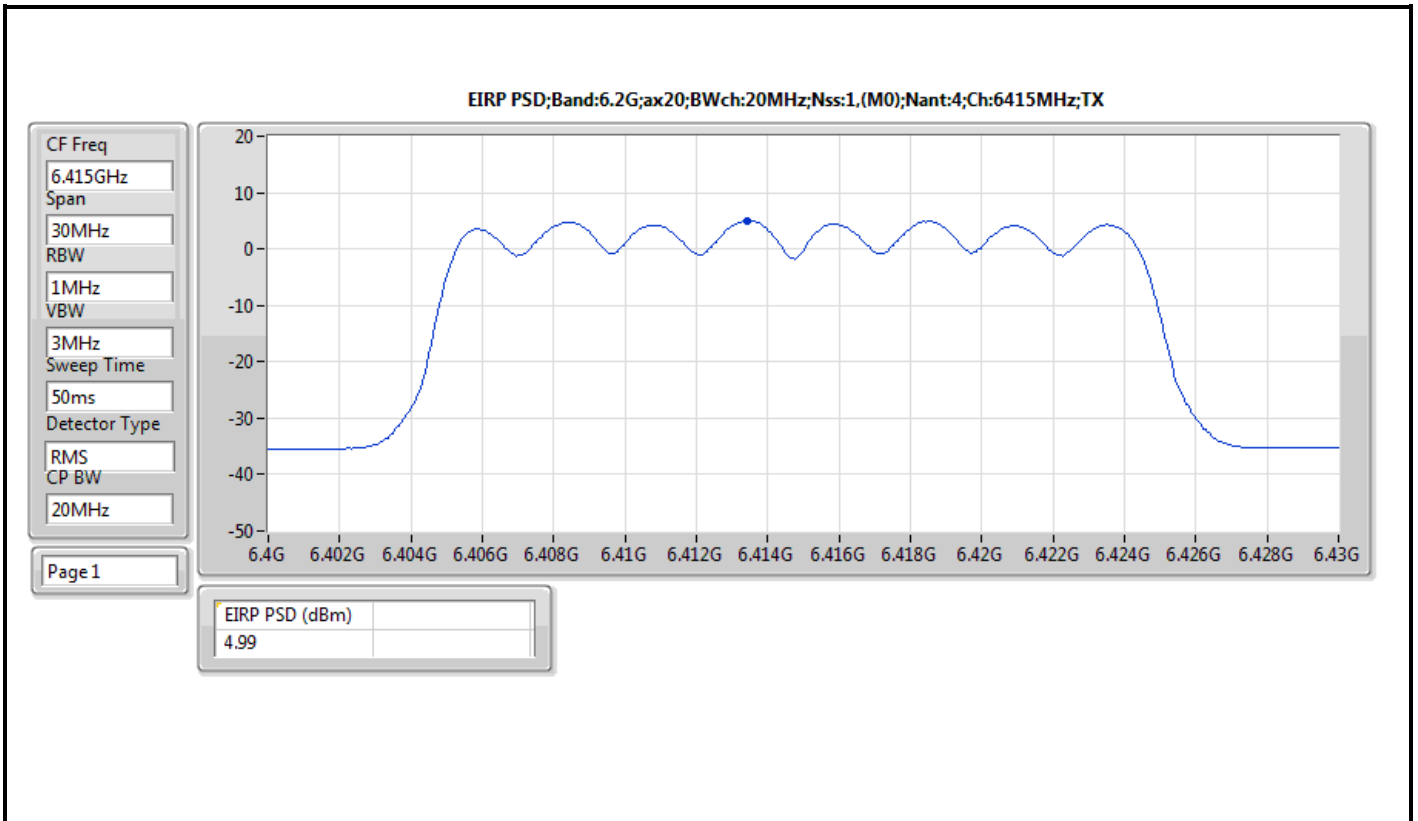
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band:

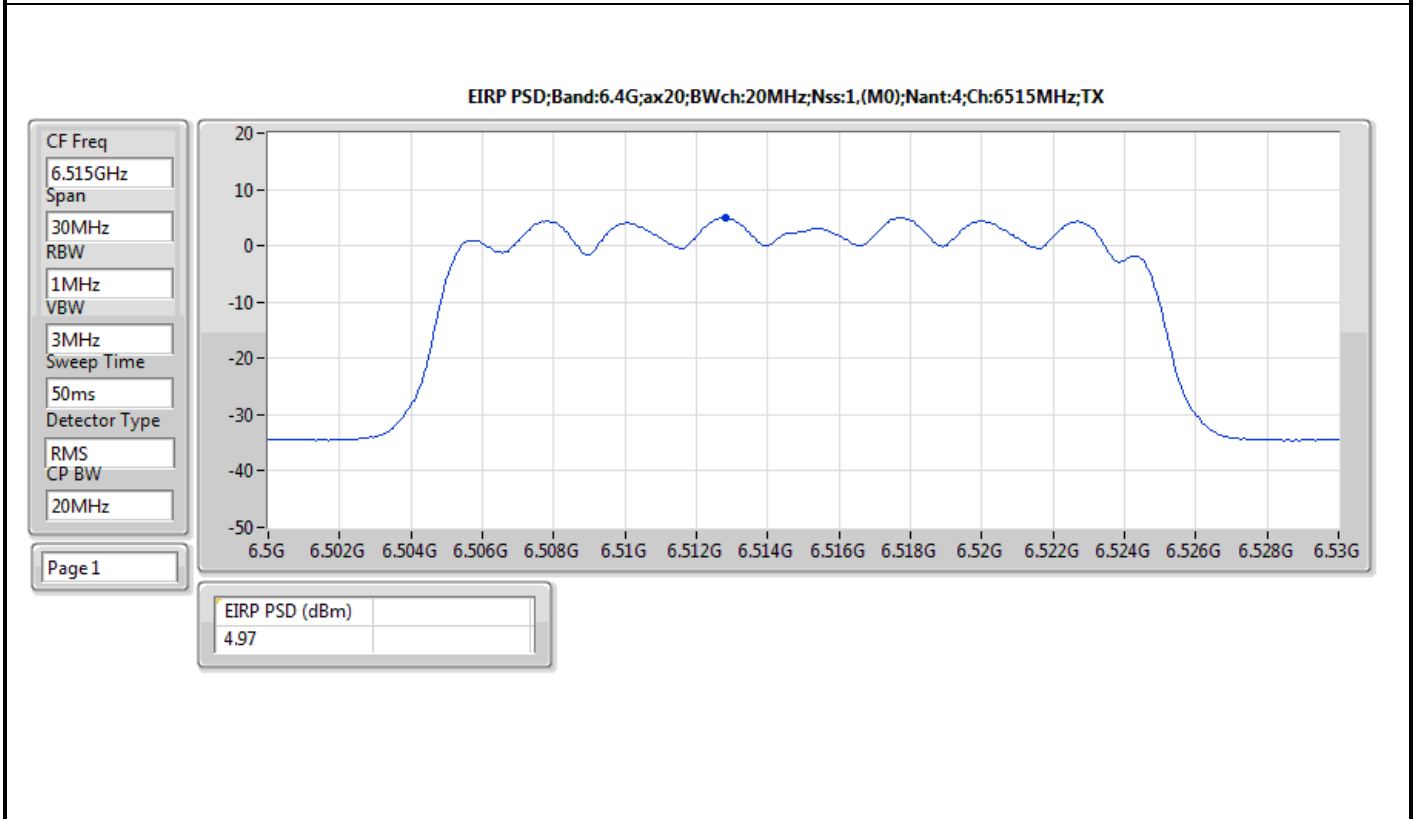
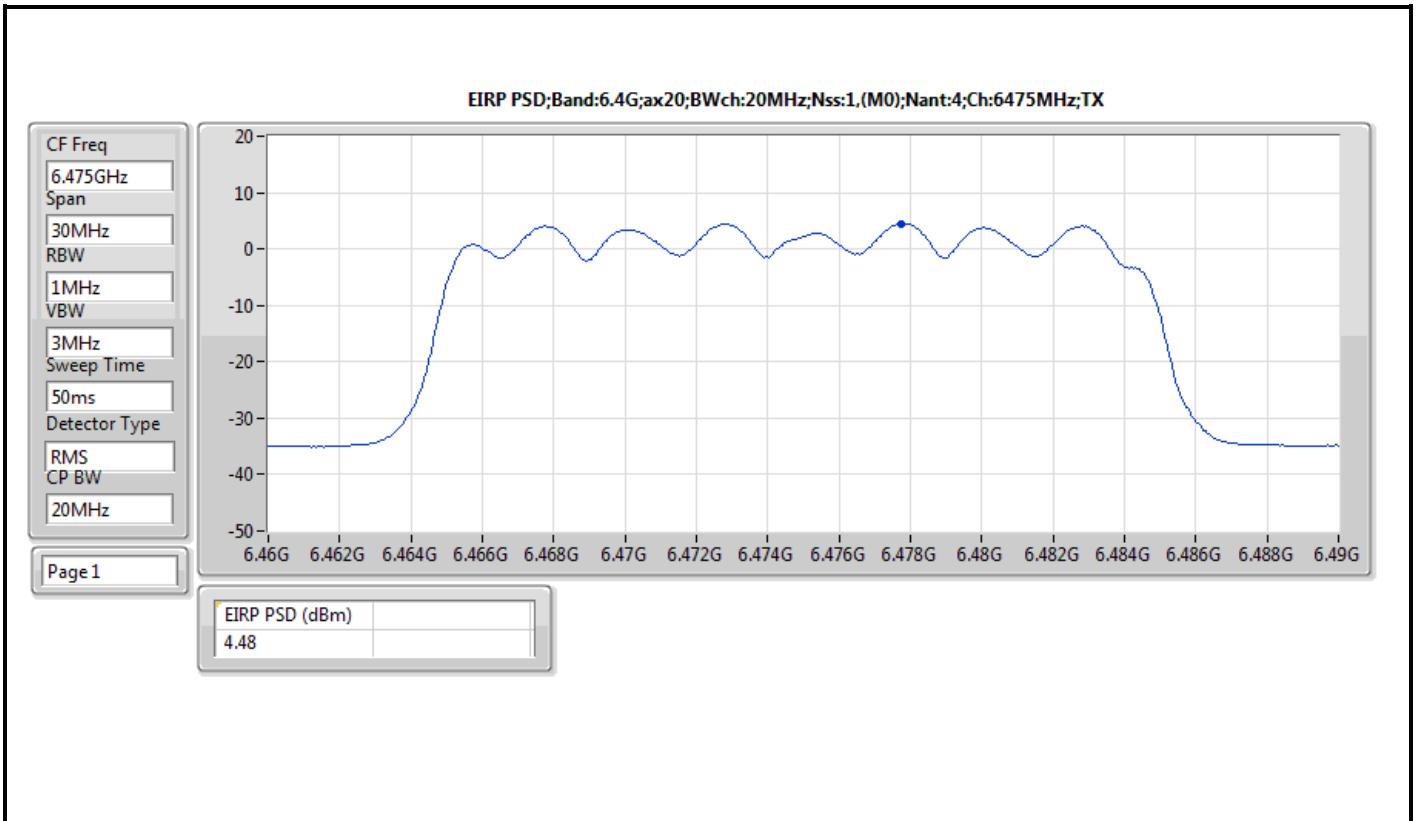
Result

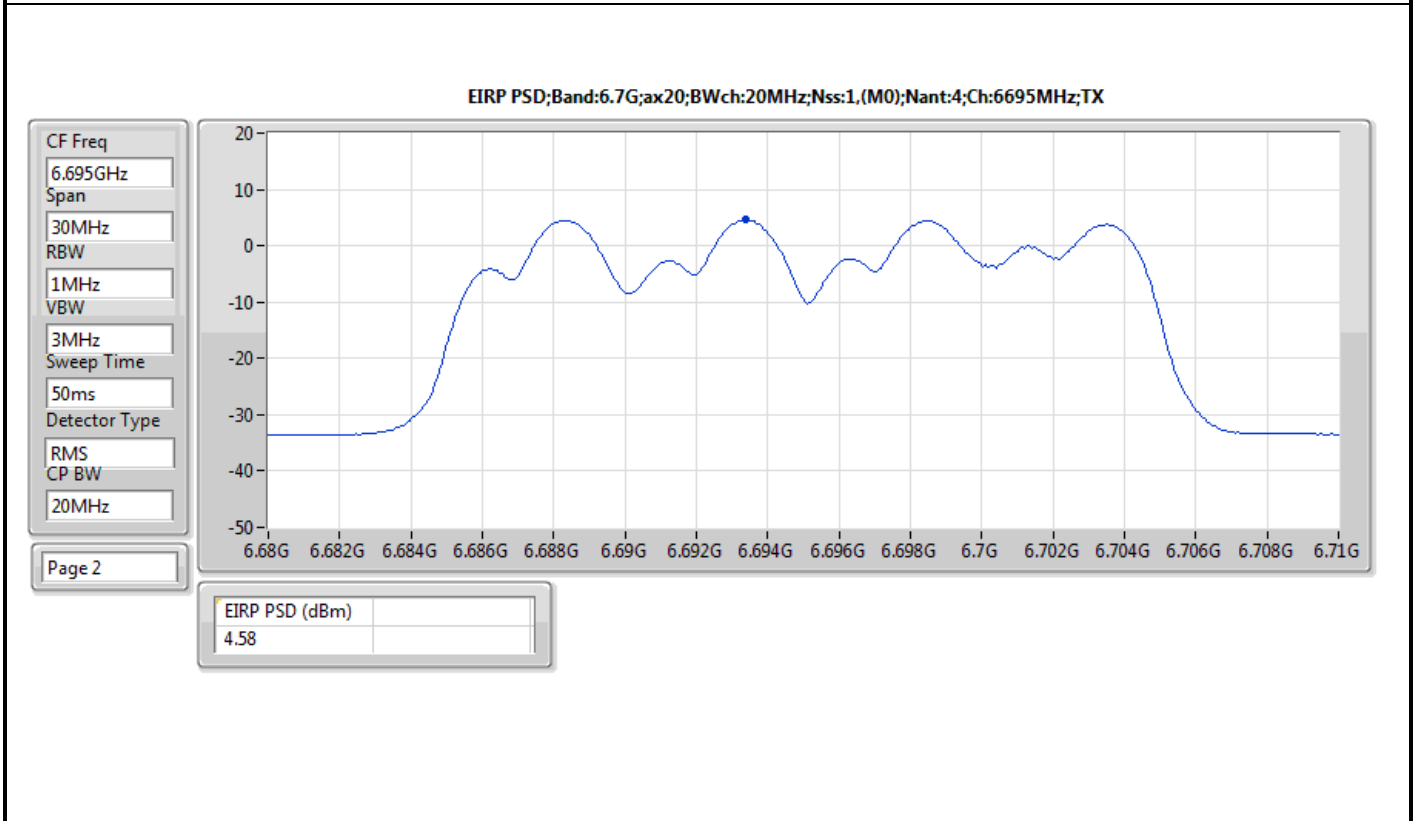
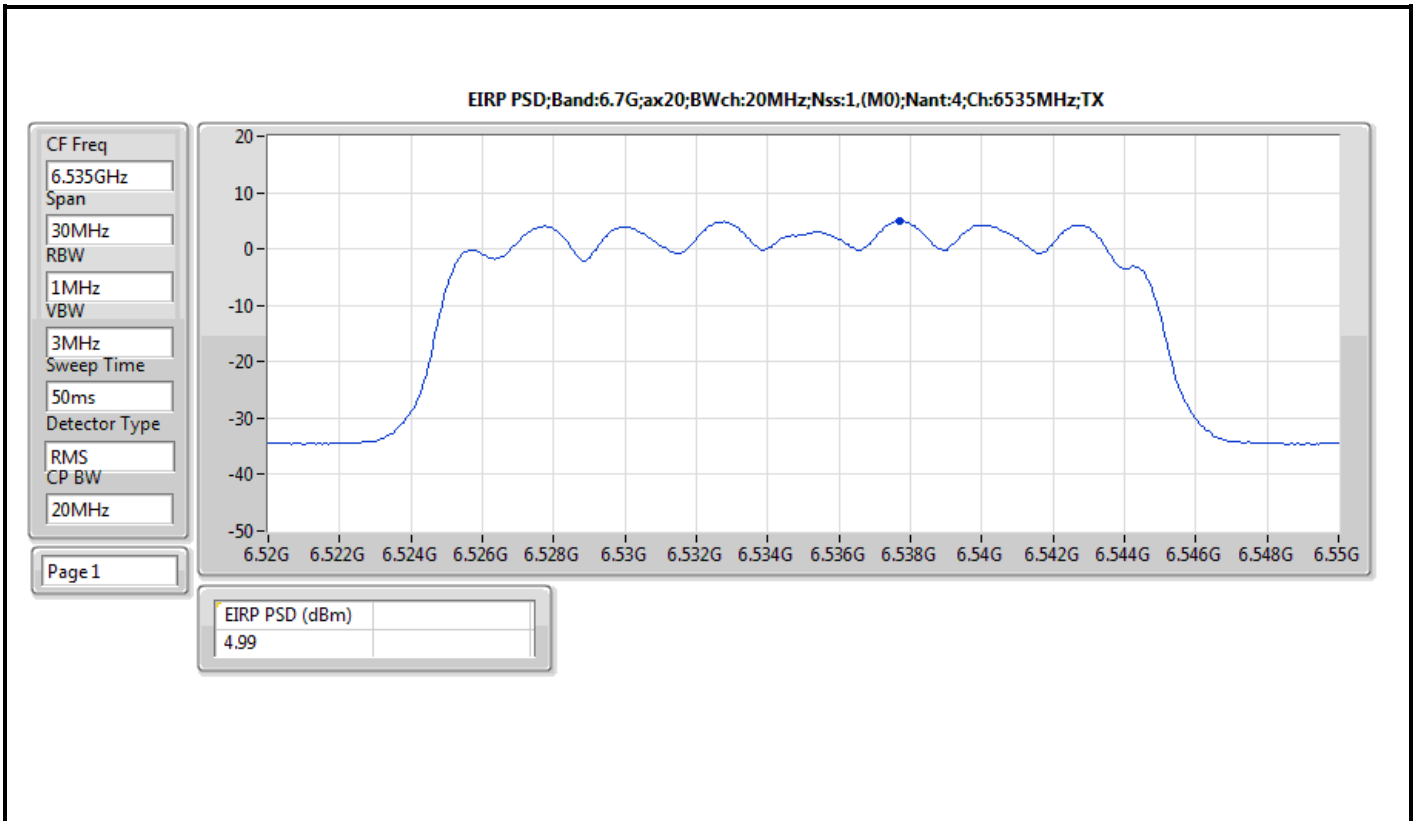
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	4.93	5.00
6175MHz	Pass	4.75	5.00
6415MHz	Pass	4.99	5.00
6435MHz	Pass	4.52	5.00
6475MHz	Pass	4.48	5.00
6515MHz	Pass	4.97	5.00
6535MHz	Pass	4.99	5.00
6695MHz	Pass	4.58	5.00
6855MHz	Pass	4.95	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.86	5.00
6895MHz	Pass	4.92	5.00
6995MHz	Pass	4.83	5.00
7095MHz	Pass	4.69	5.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	4.91	5.00
6165MHz	Pass	4.59	5.00
6405MHz	Pass	4.51	5.00
6445MHz	Pass	4.75	5.00
6485MHz	Pass	4.73	5.00
6525MHz Straddle 6.425-6.525GHz	Pass	4.79	5.00
6565MHz	Pass	4.87	5.00
6685MHz	Pass	4.88	5.00
6845MHz	Pass	4.75	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	4.98	5.00
6925MHz	Pass	4.73	5.00
7005MHz	Pass	4.94	5.00
7085MHz	Pass	4.66	5.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	4.86	5.00
6145MHz	Pass	4.86	5.00
6385MHz	Pass	4.81	5.00
6465MHz	Pass	4.83	5.00
6545MHz Straddle 6.425-6.525GHz	Pass	4.83	5.00
6625MHz	Pass	4.76	5.00
6705MHz	Pass	4.96	5.00
6785MHz	Pass	4.97	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	4.87	5.00
6945MHz	Pass	4.75	5.00
7025MHz	Pass	4.92	5.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	4.90	5.00
6185MHz	Pass	4.91	5.00
6345MHz	Pass	4.66	5.00
6505MHz Straddle 6.425-6.525GHz	Pass	4.90	5.00
6665MHz	Pass	4.85	5.00
6825MHz Straddle 6.525-6.875GHz	Pass	4.76	5.00
6985MHz	Pass	4.84	5.00

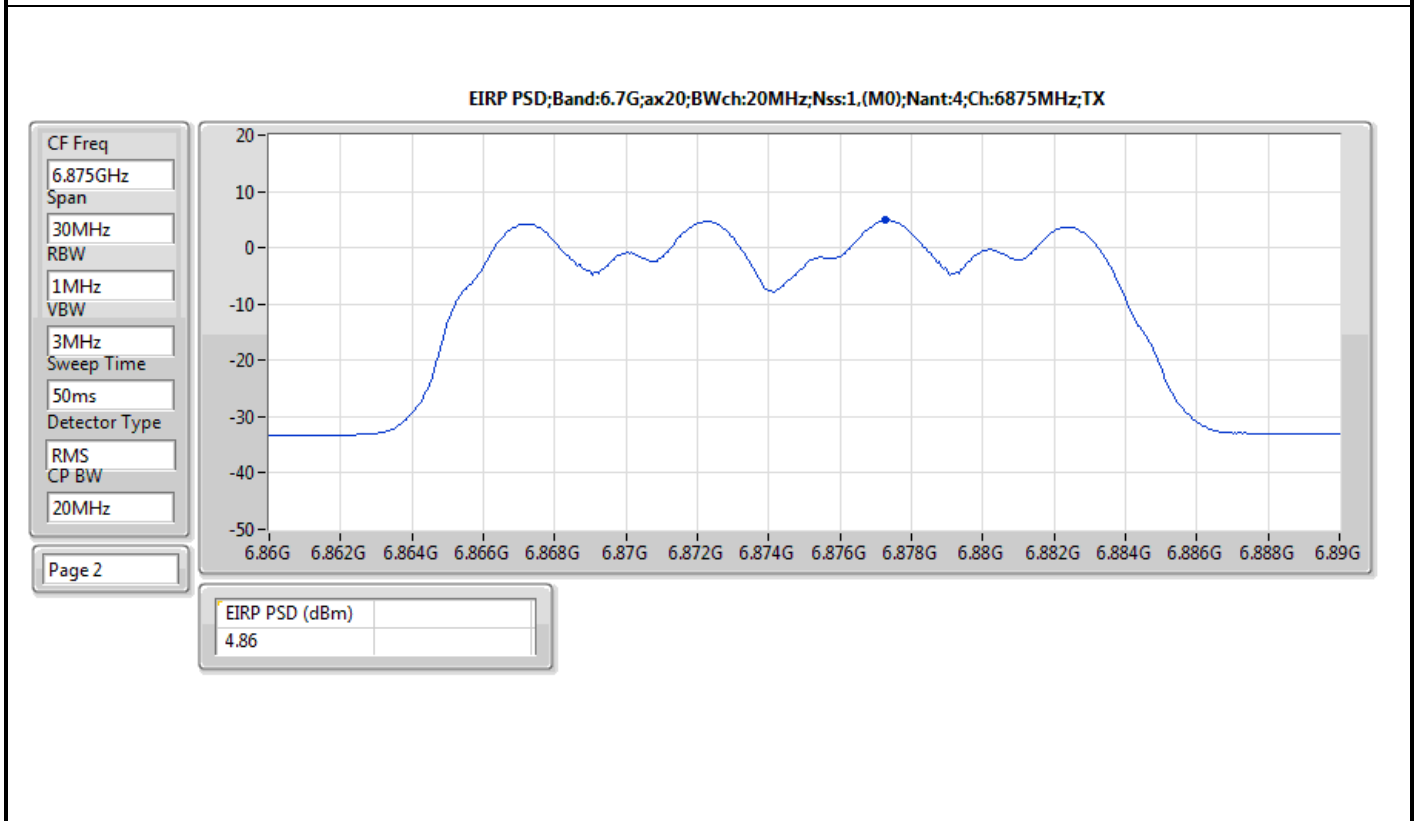
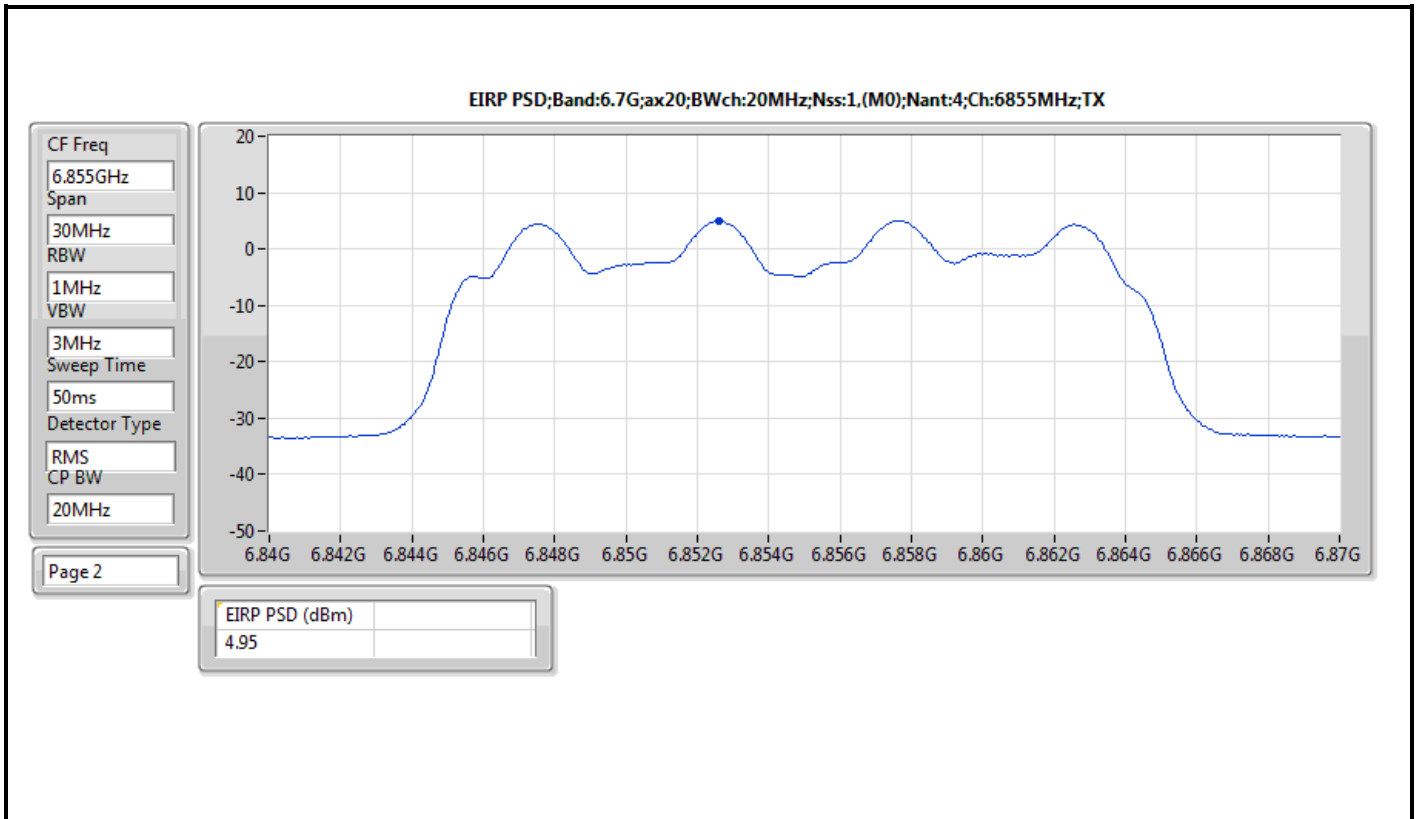
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

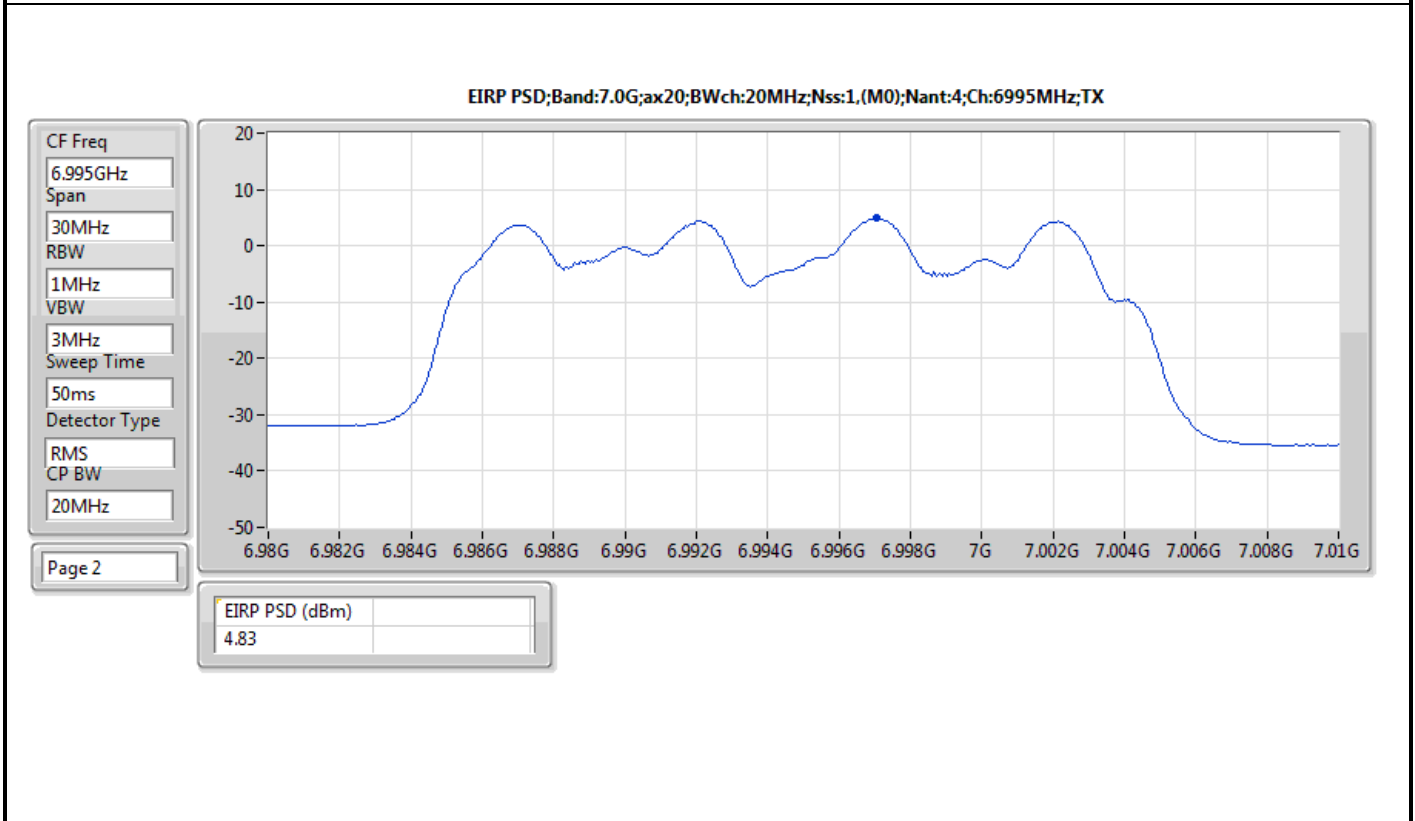
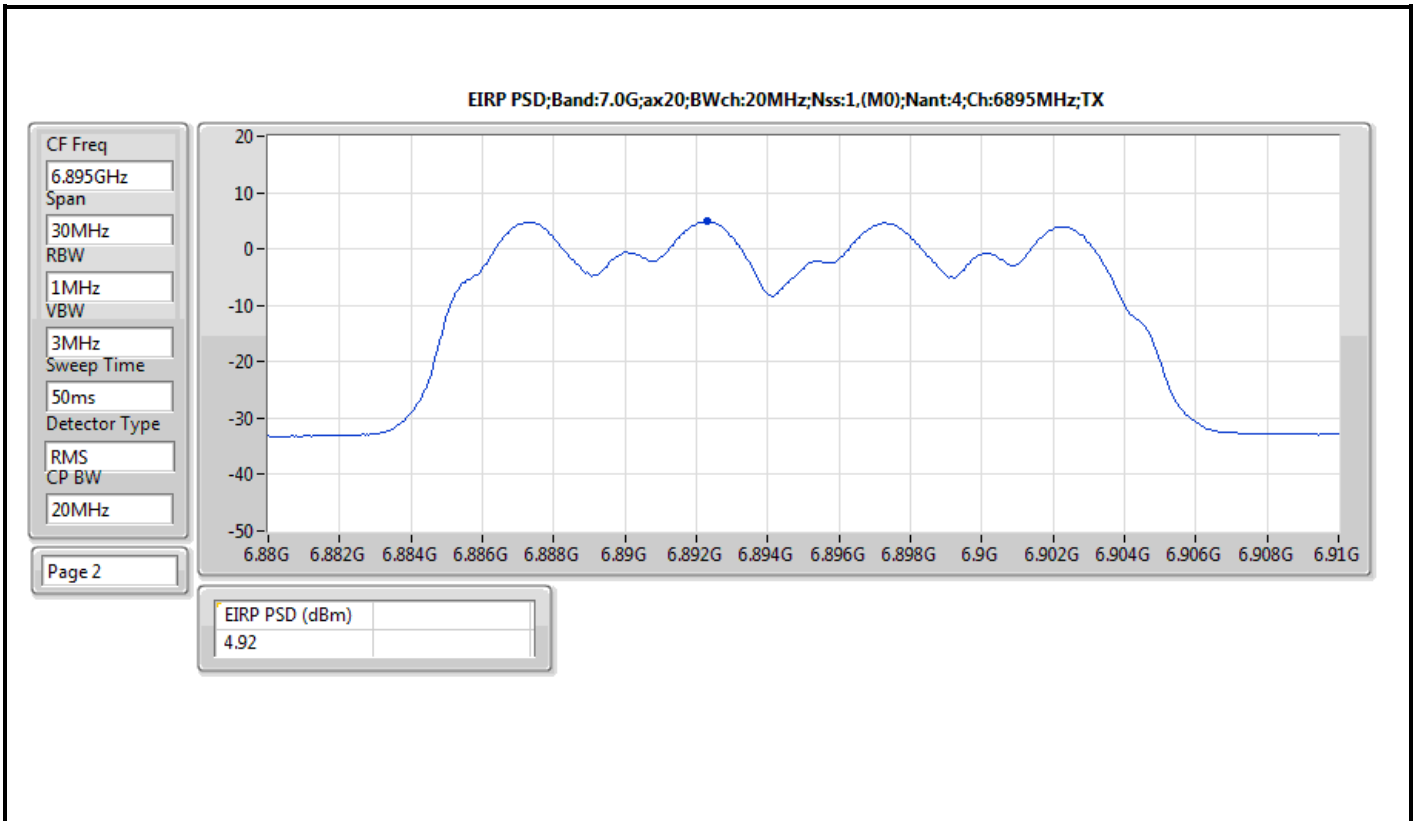


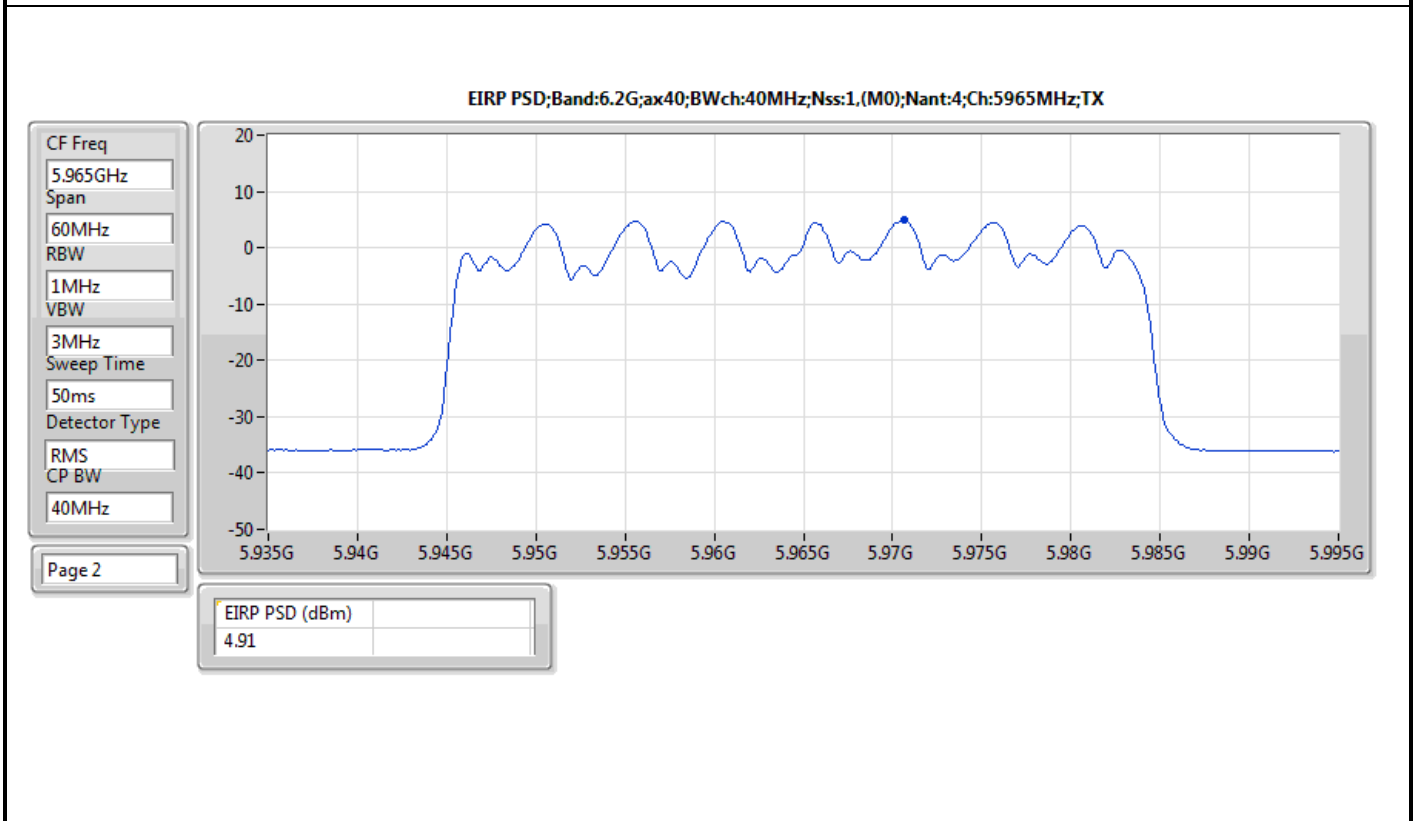
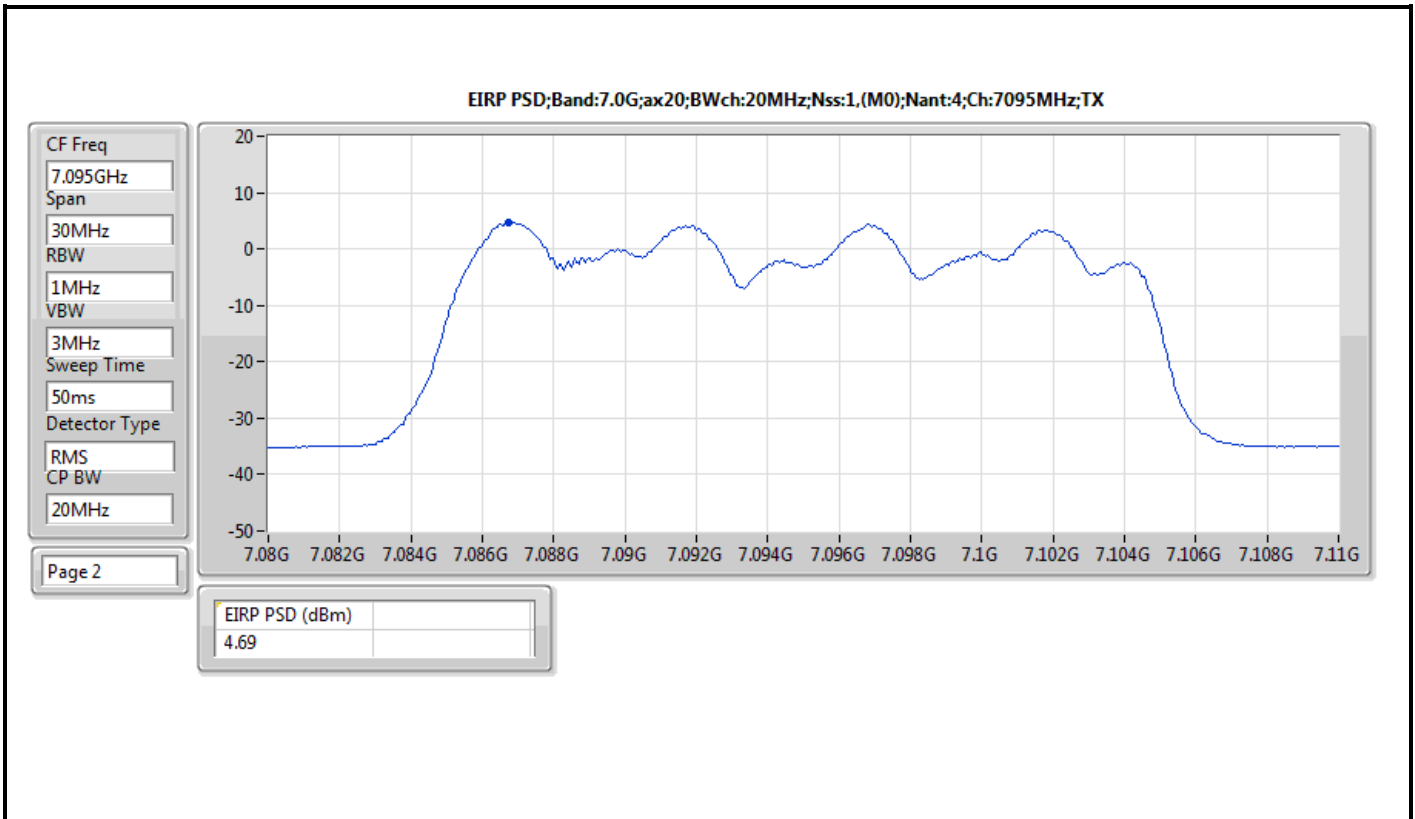


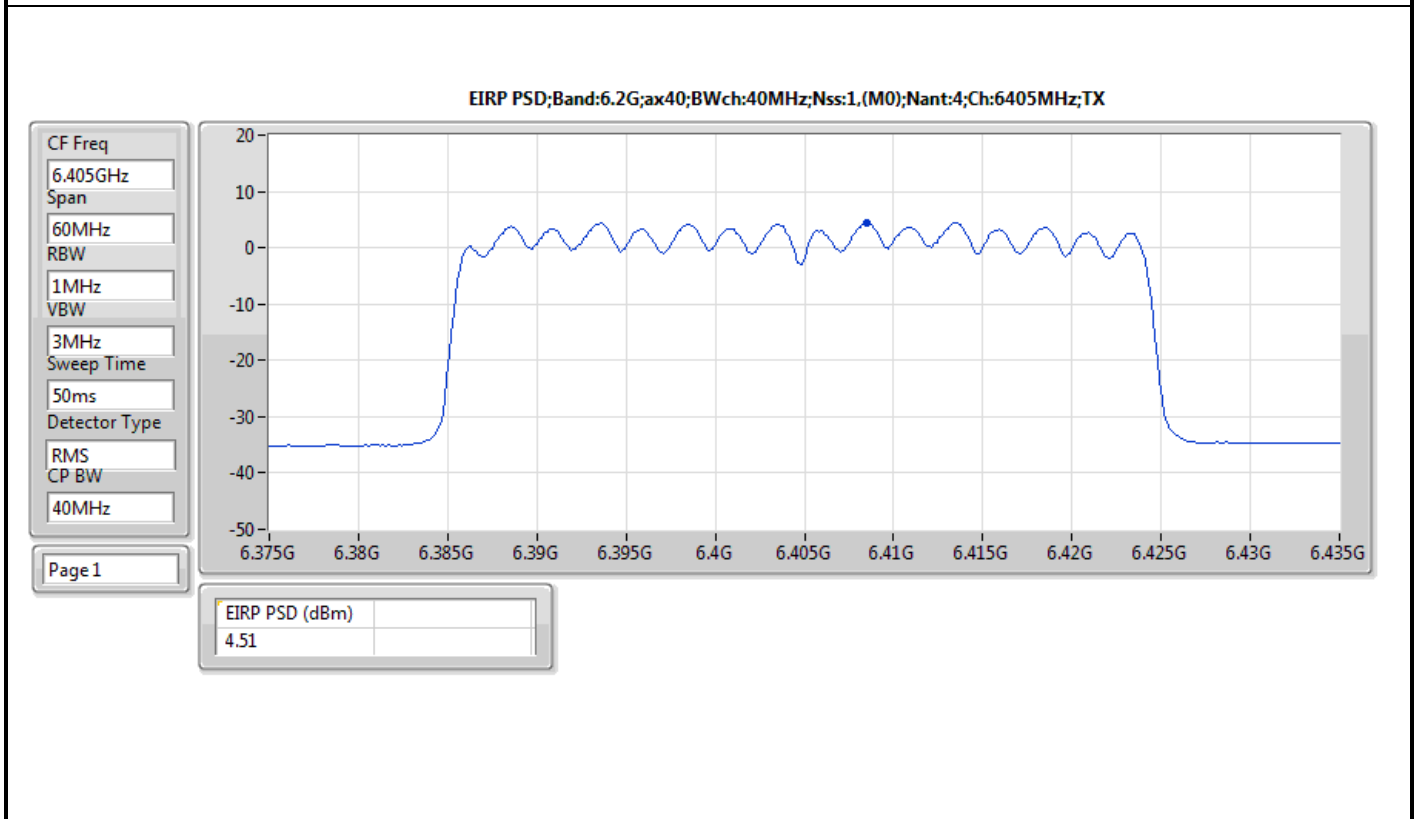
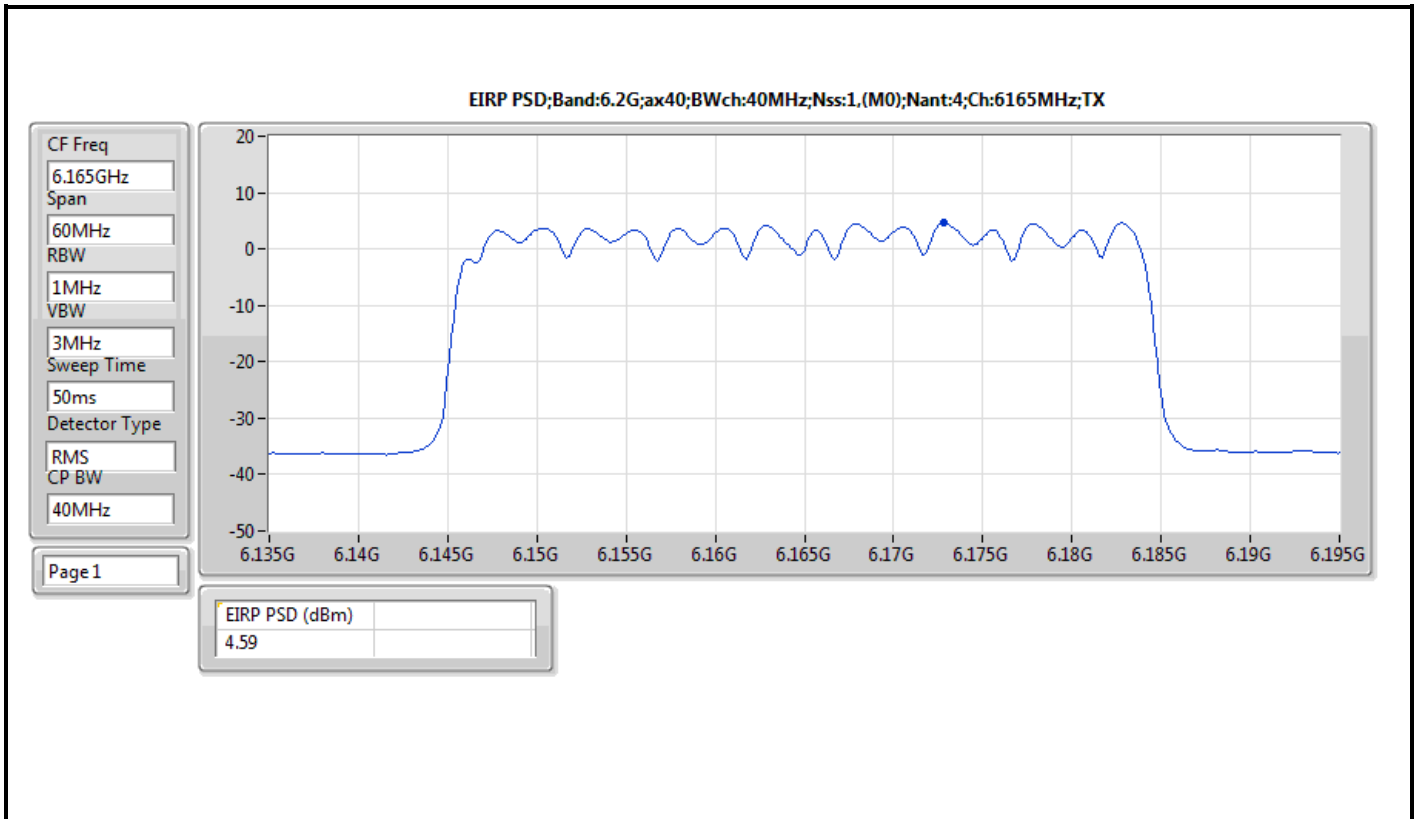


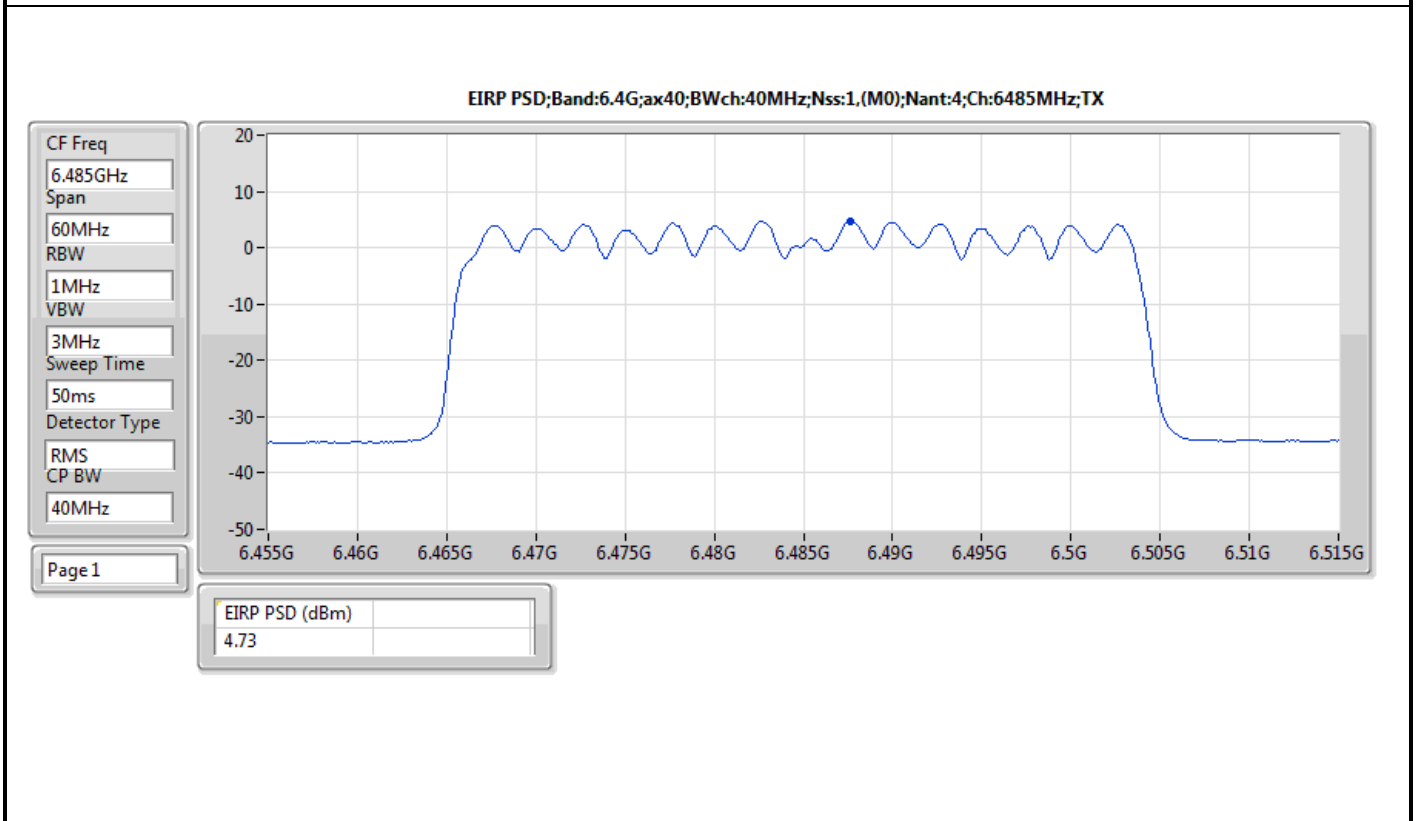
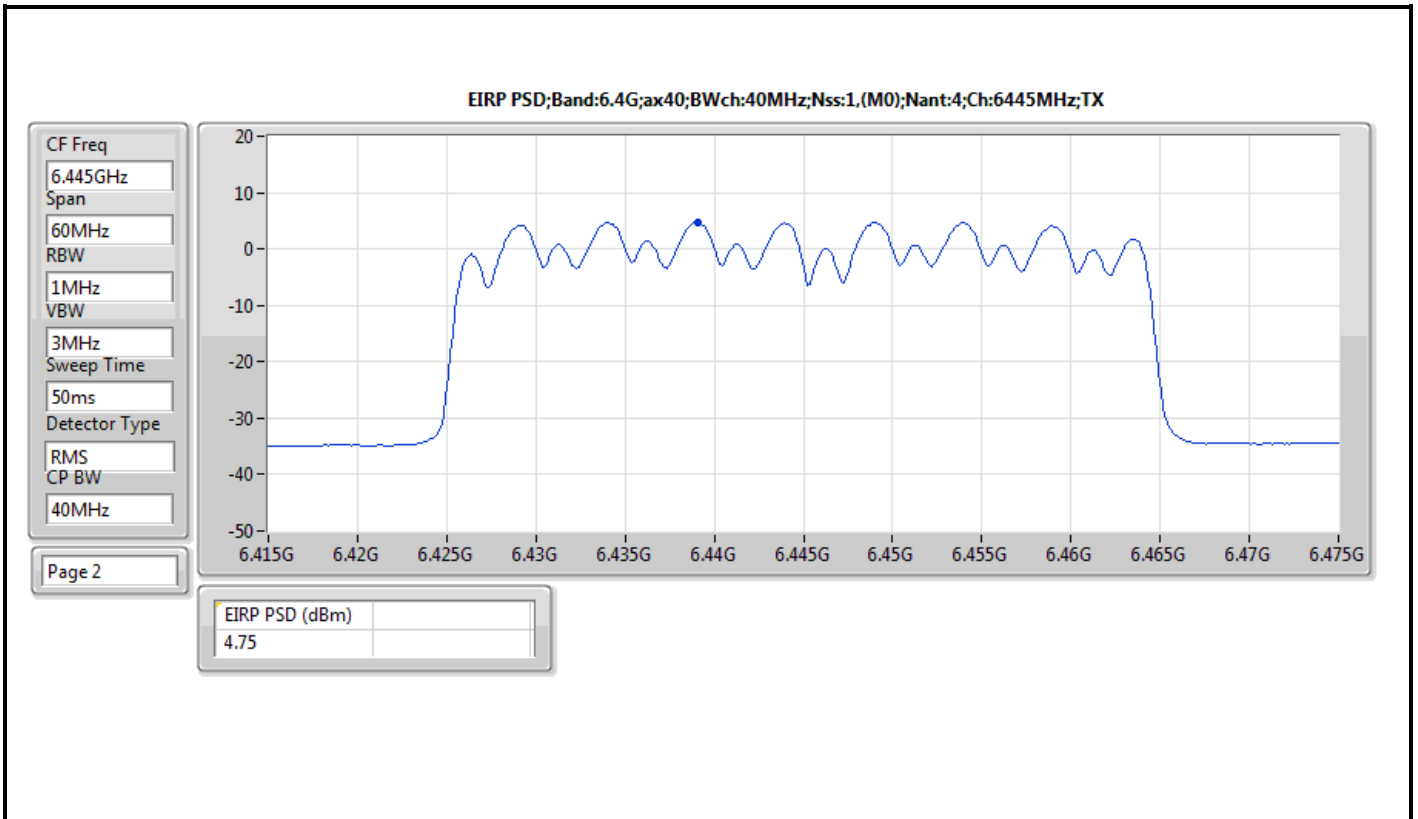


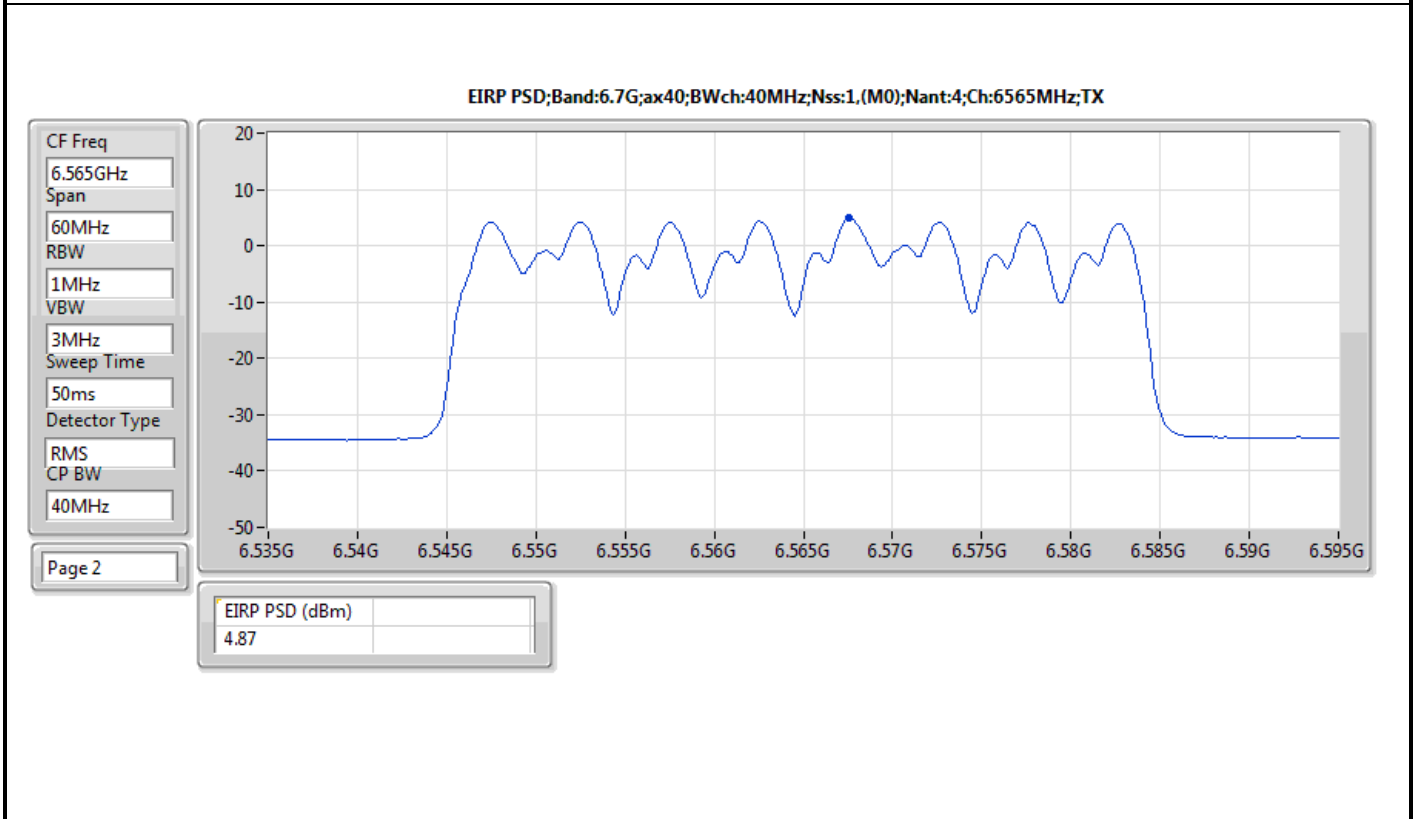
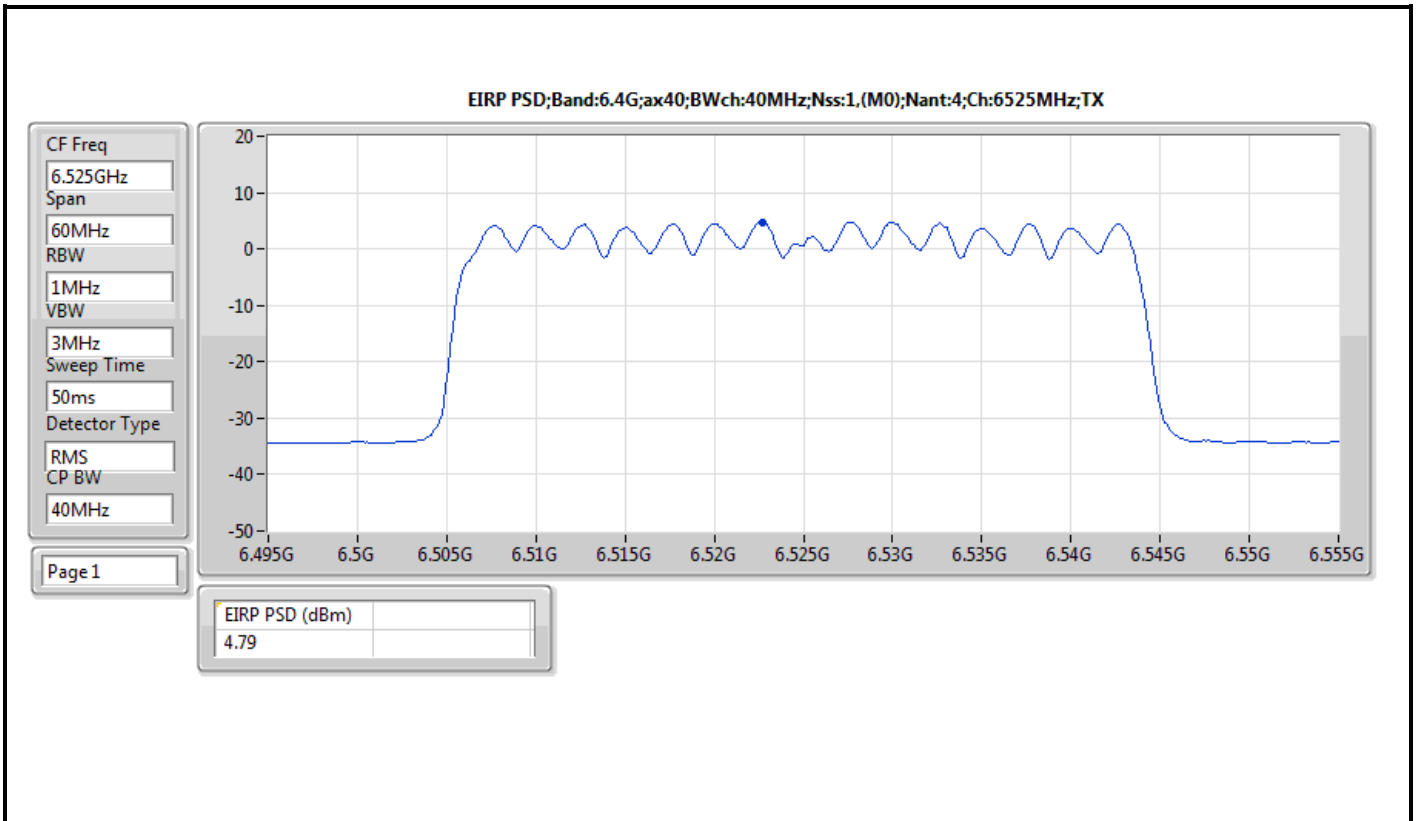


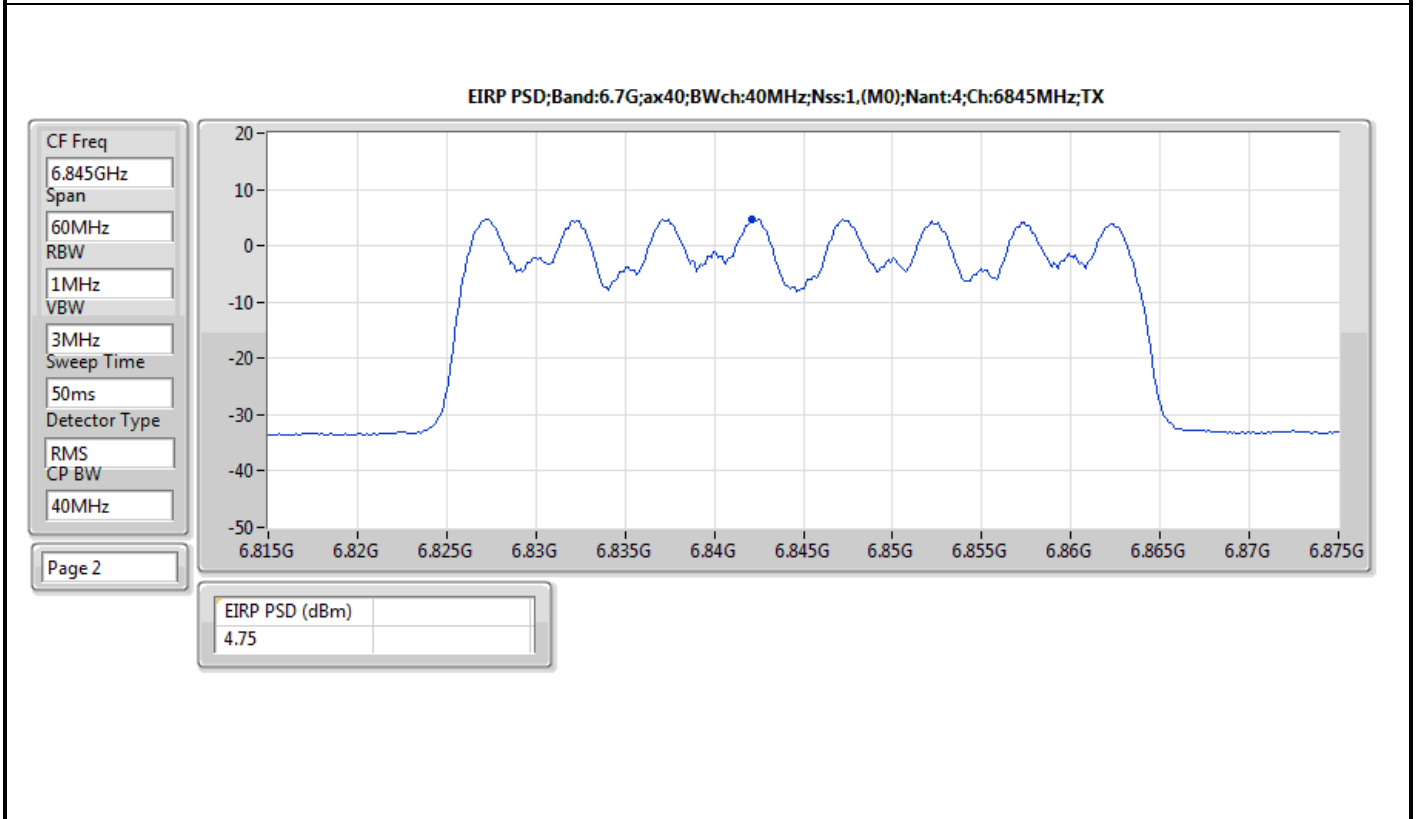
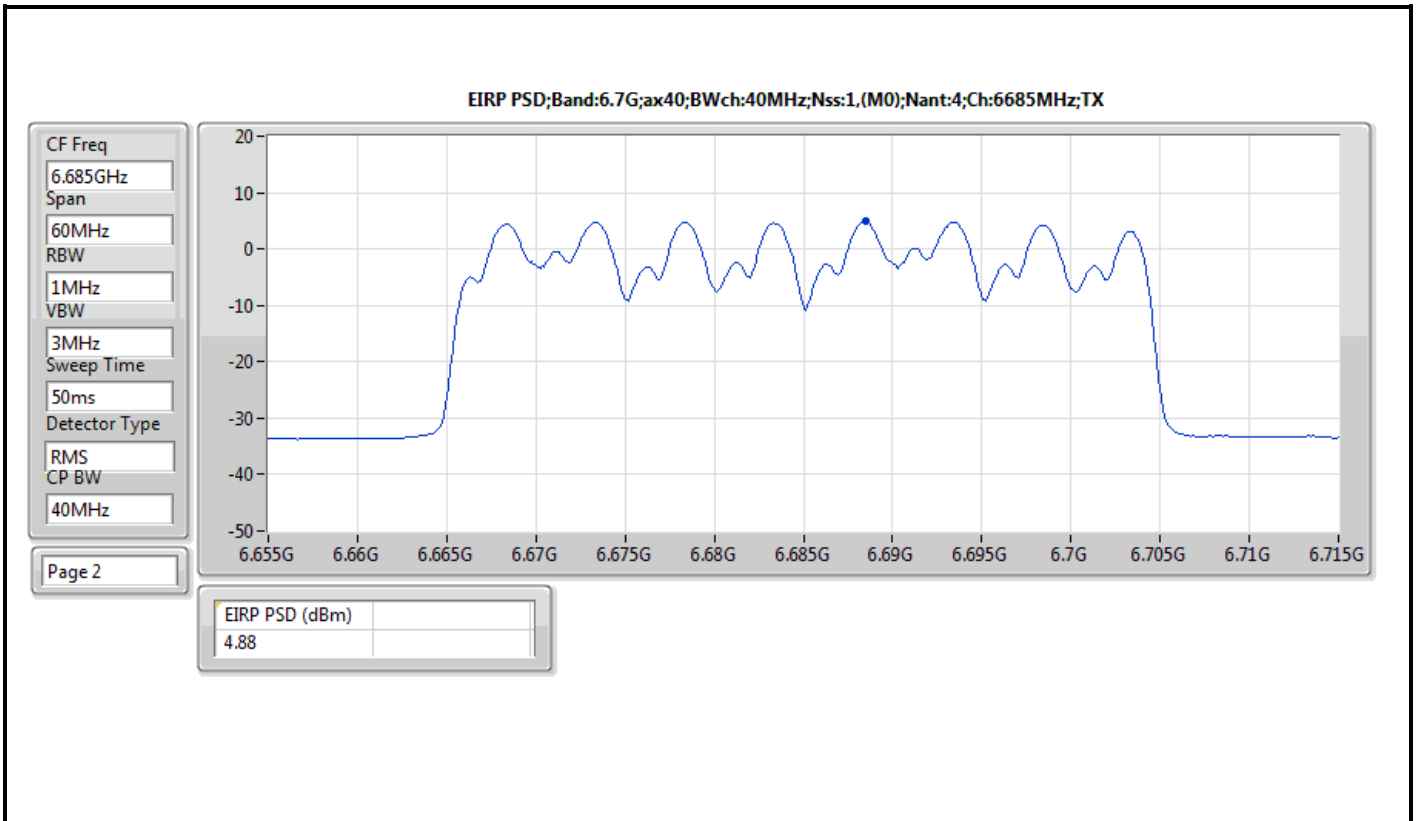


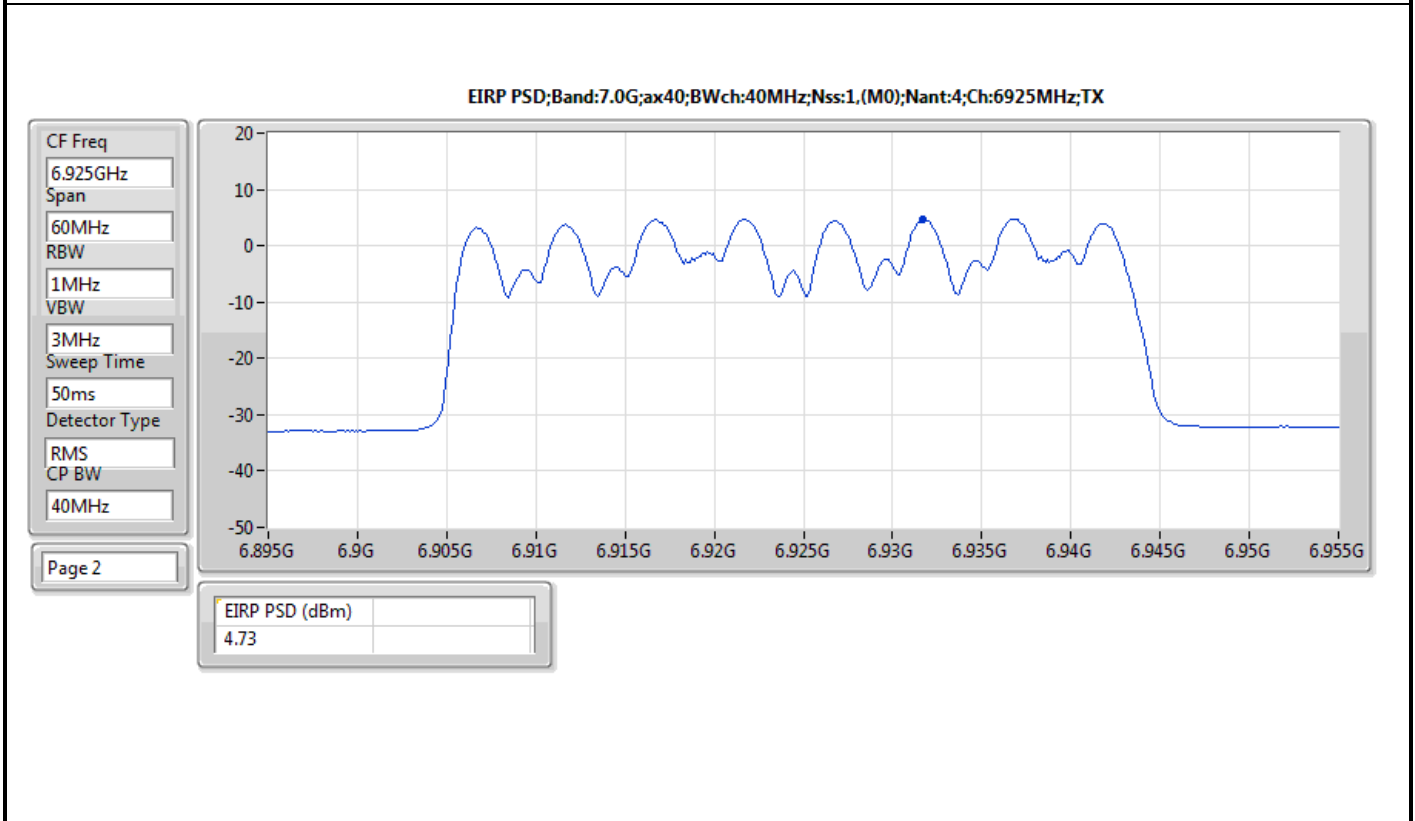
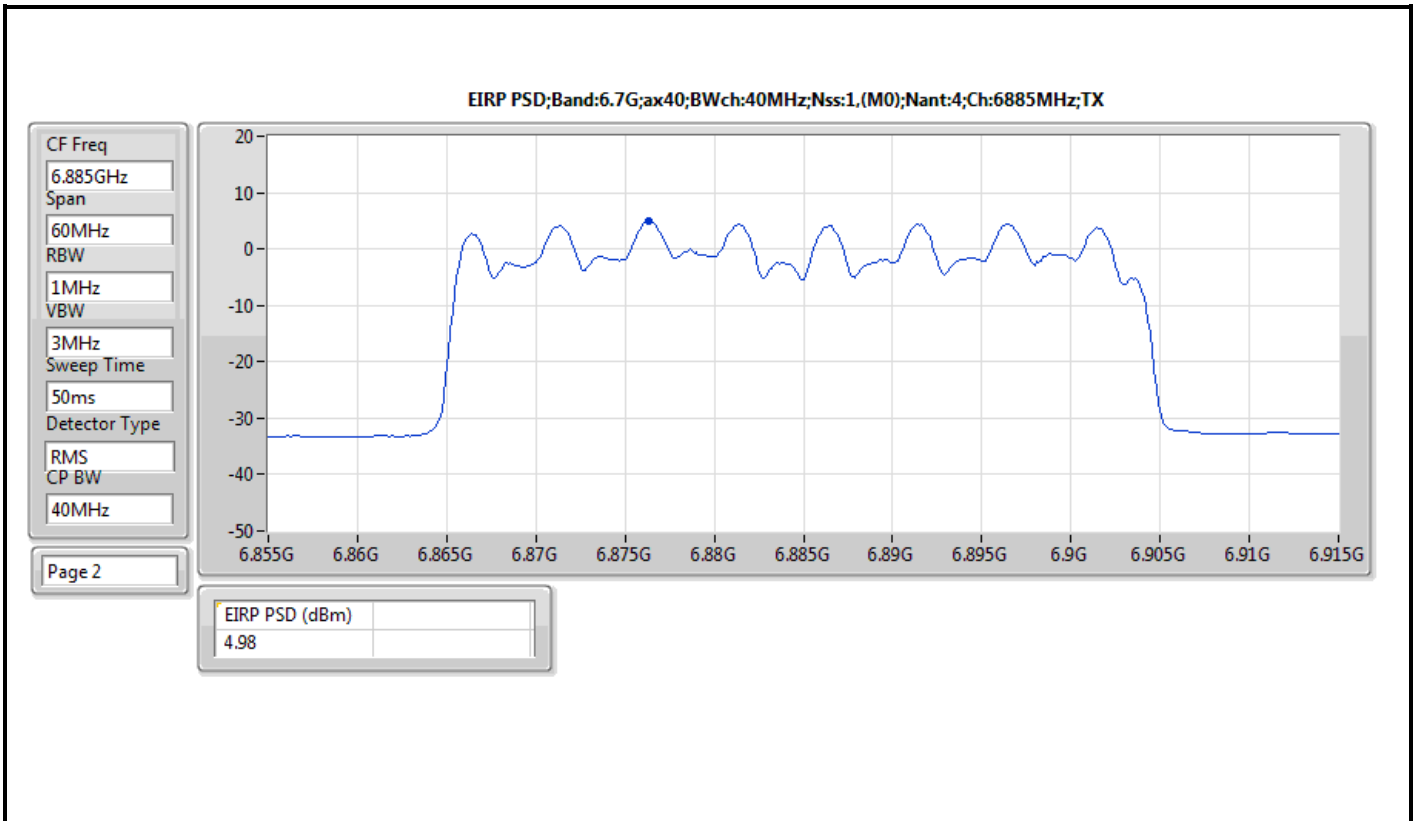


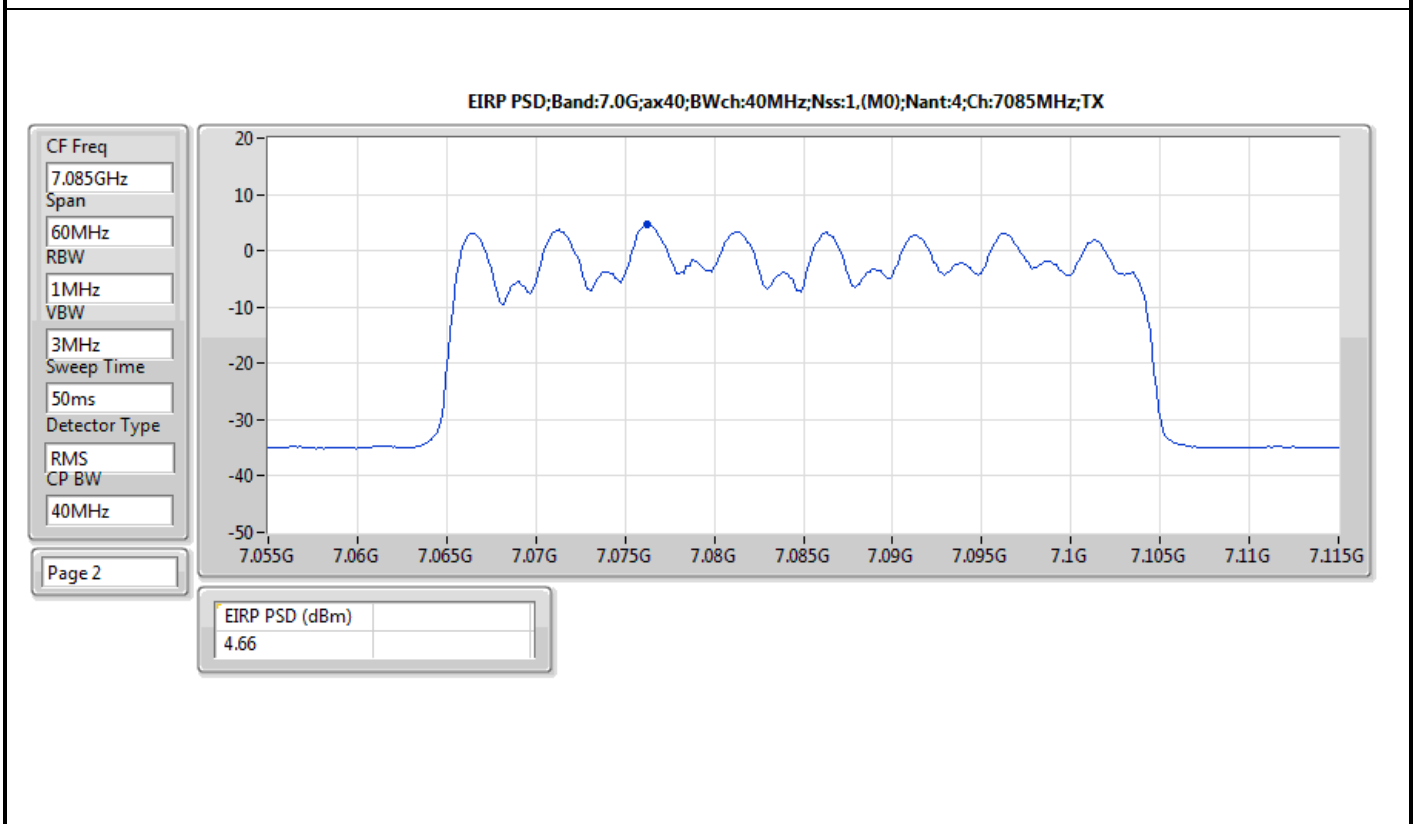
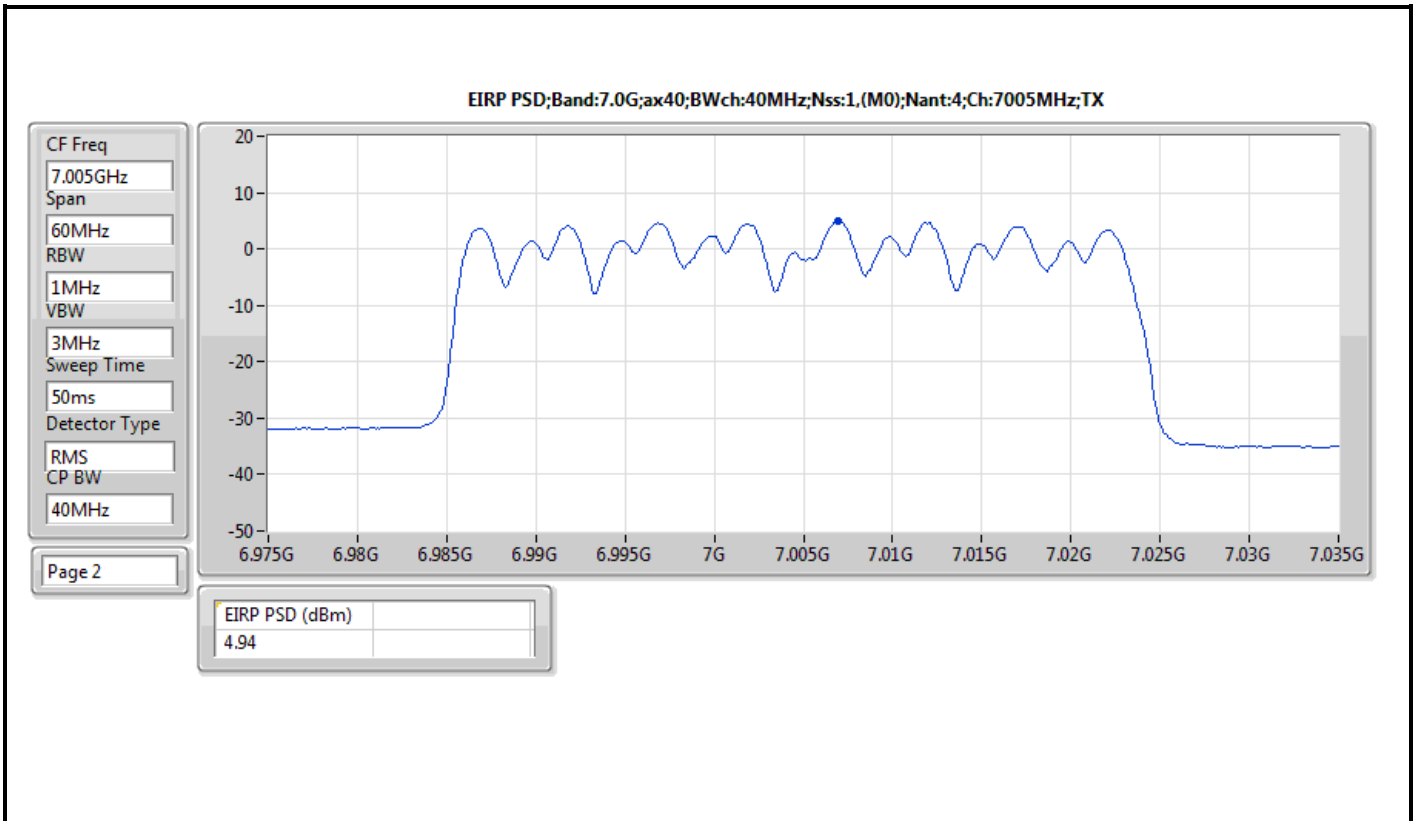


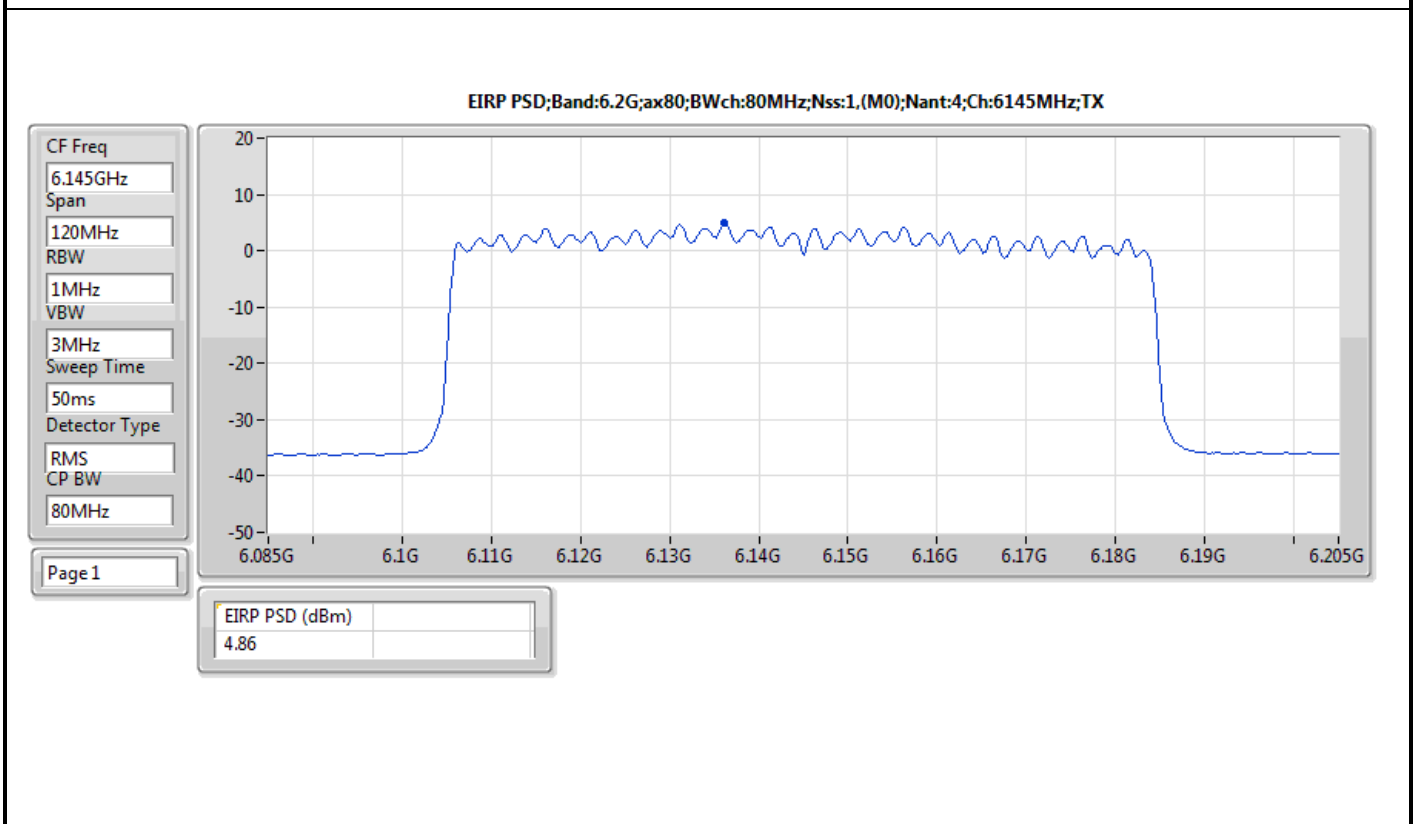
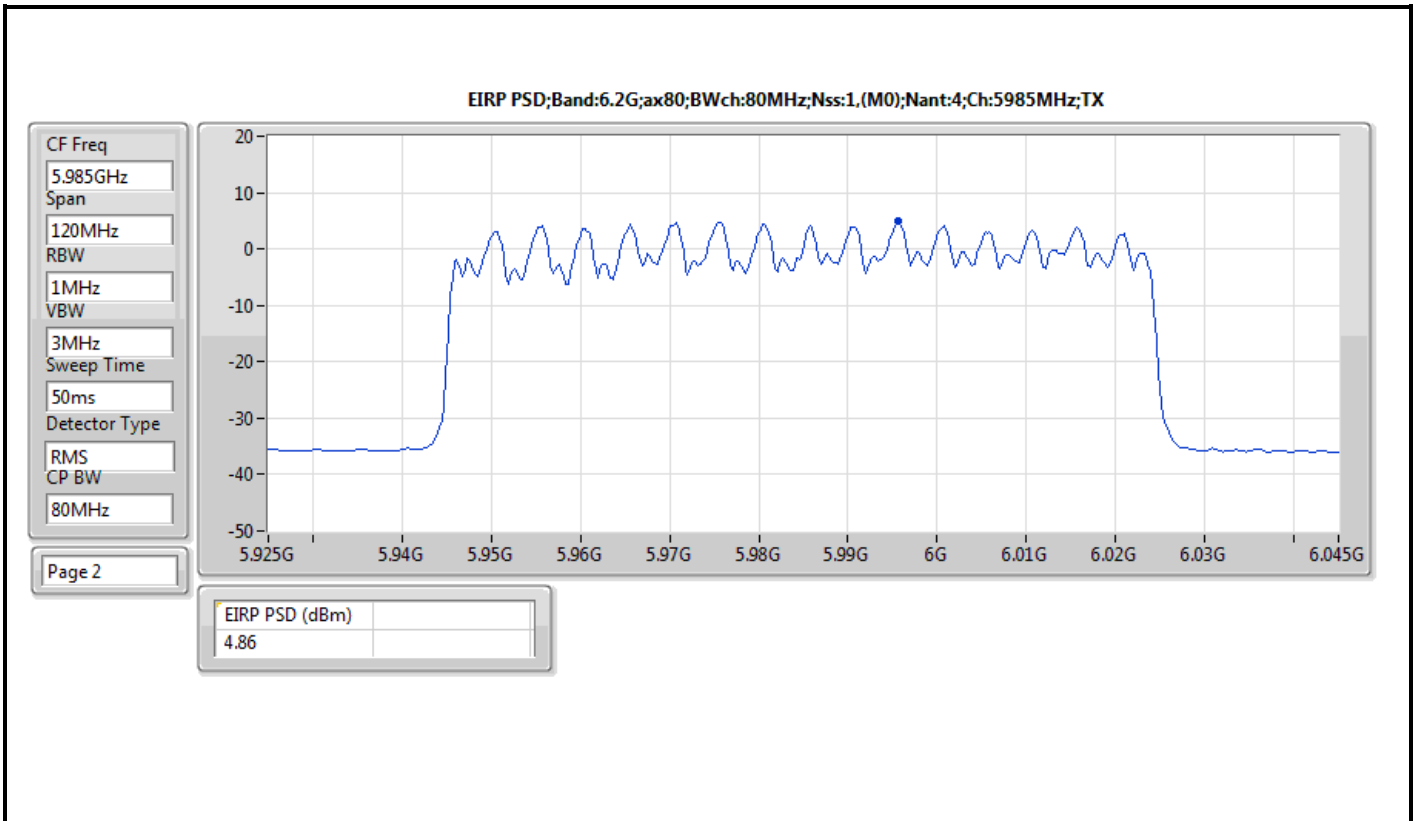


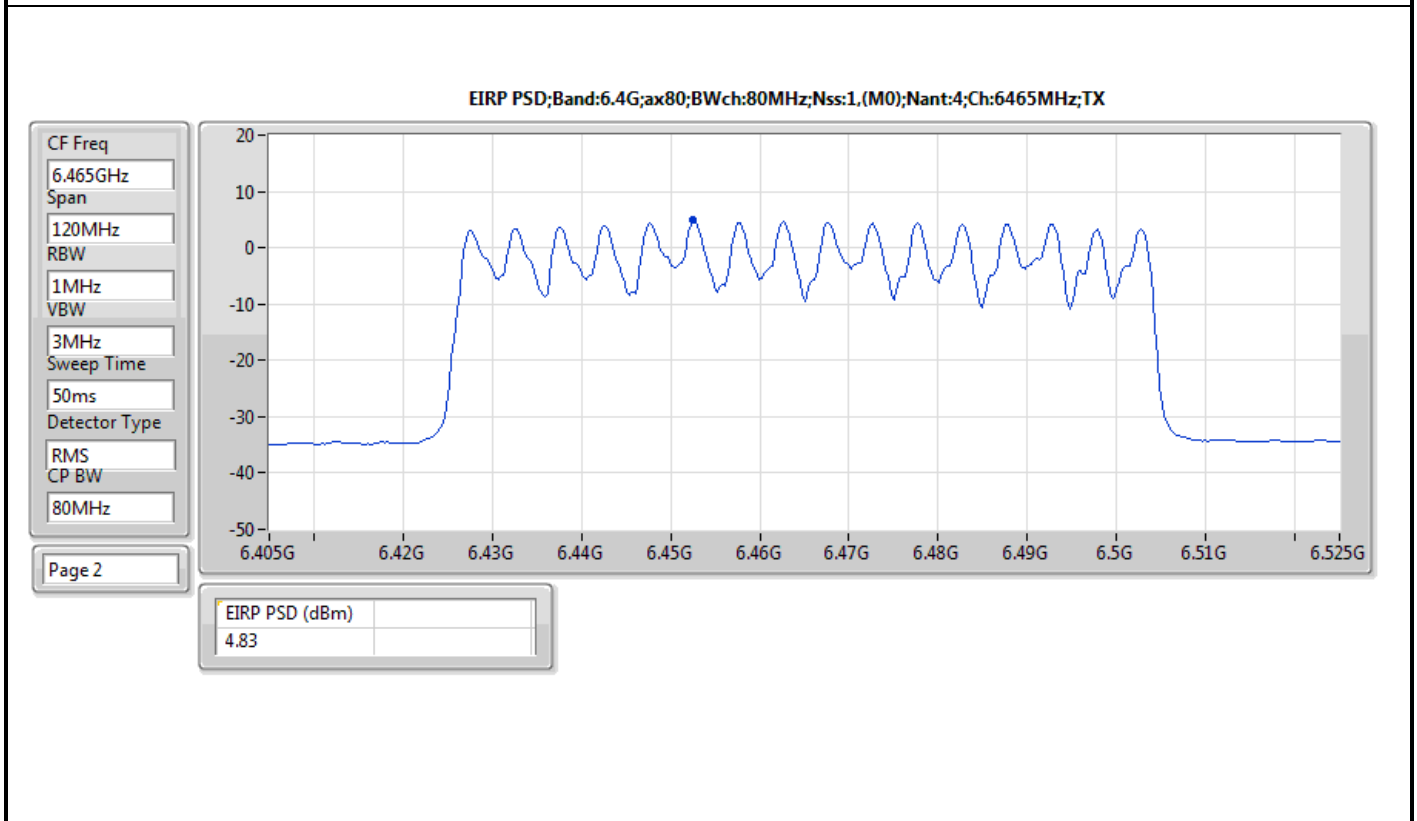
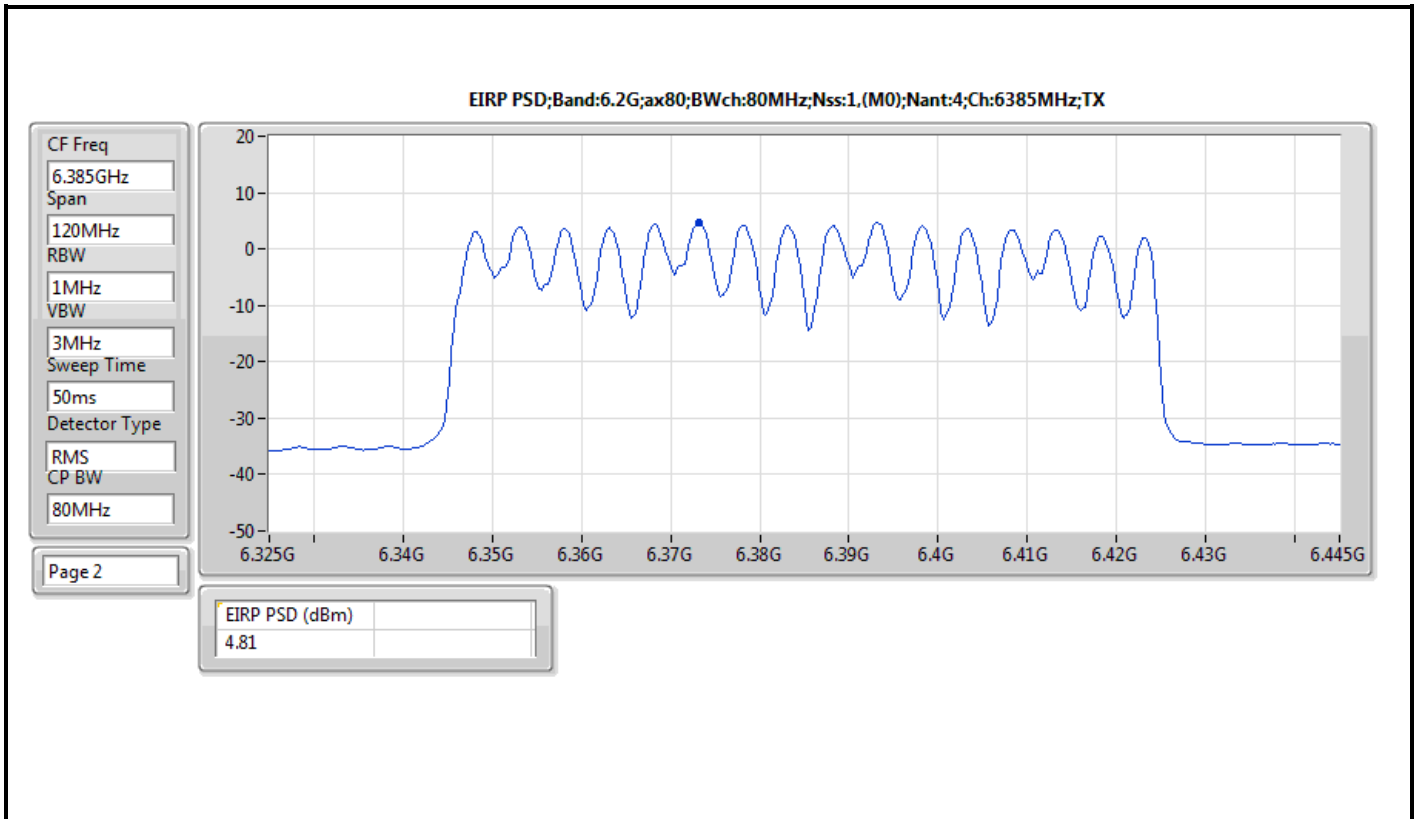


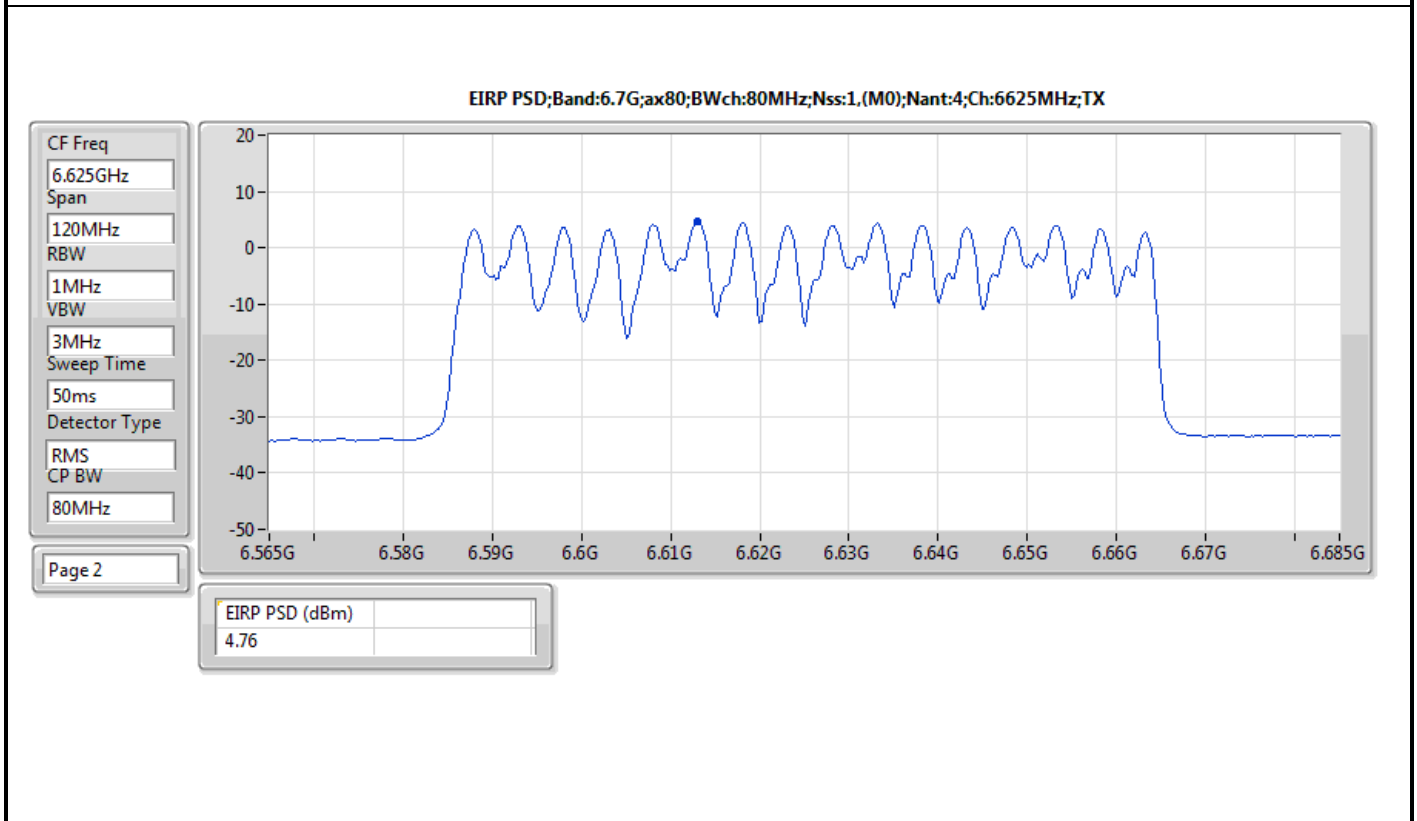
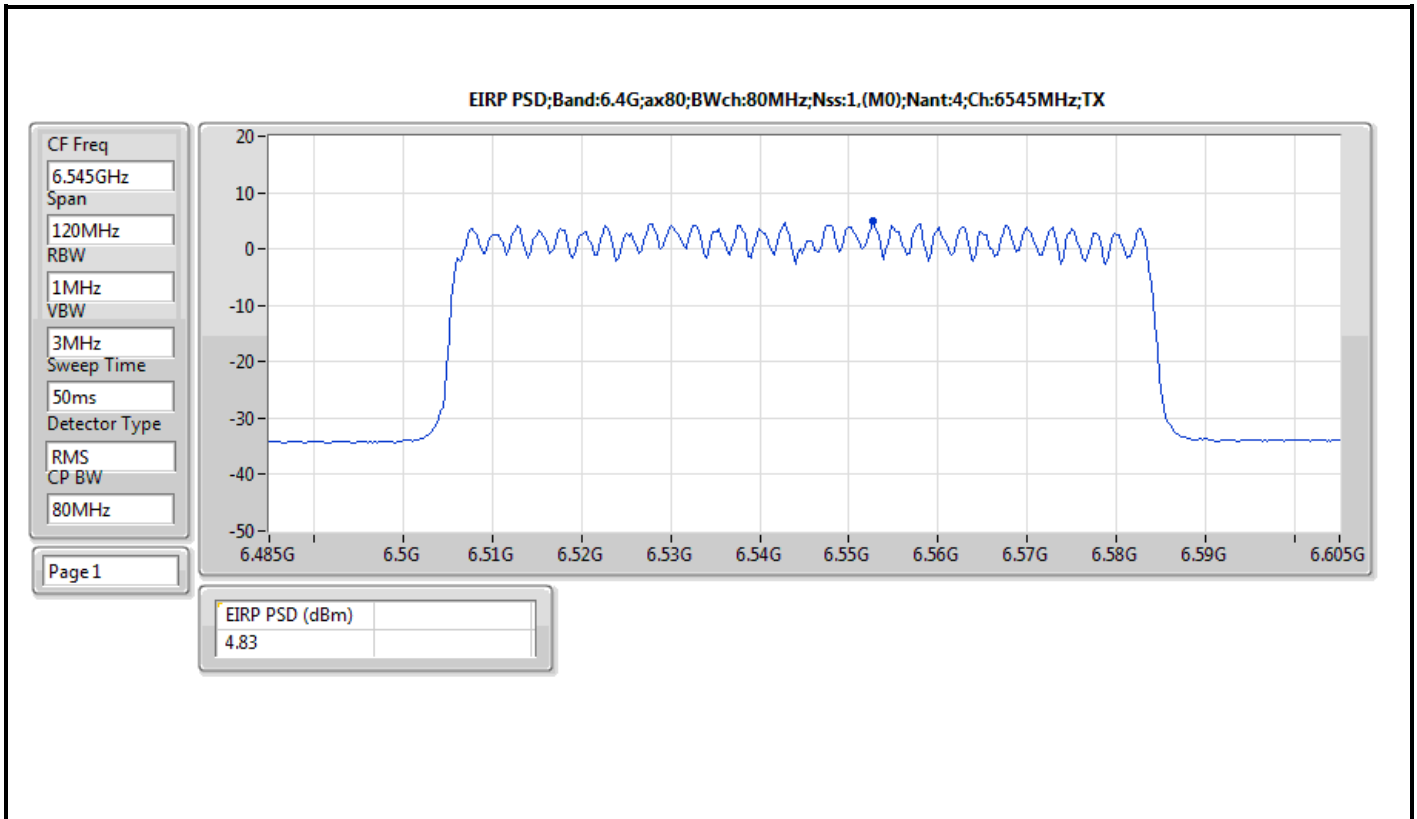


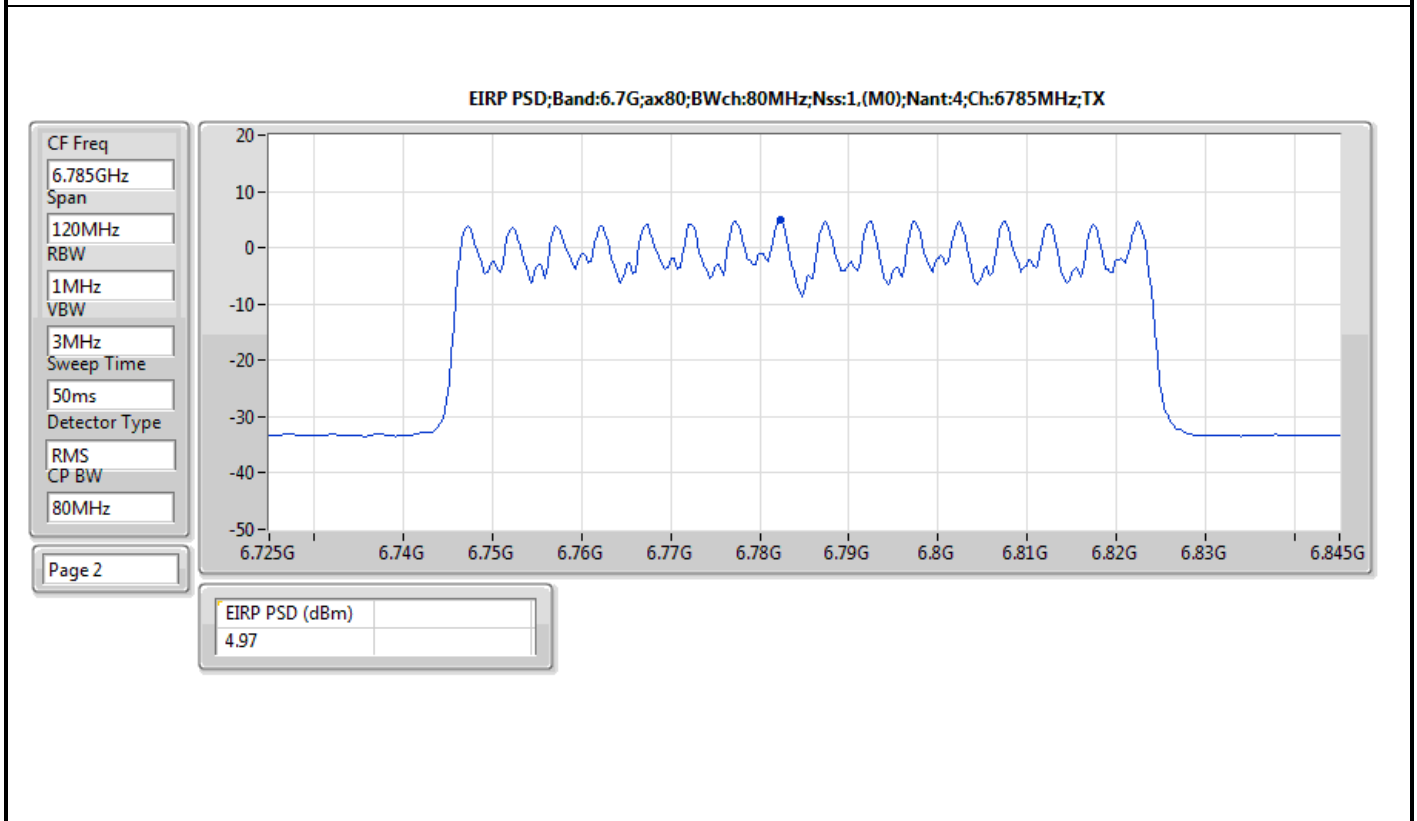
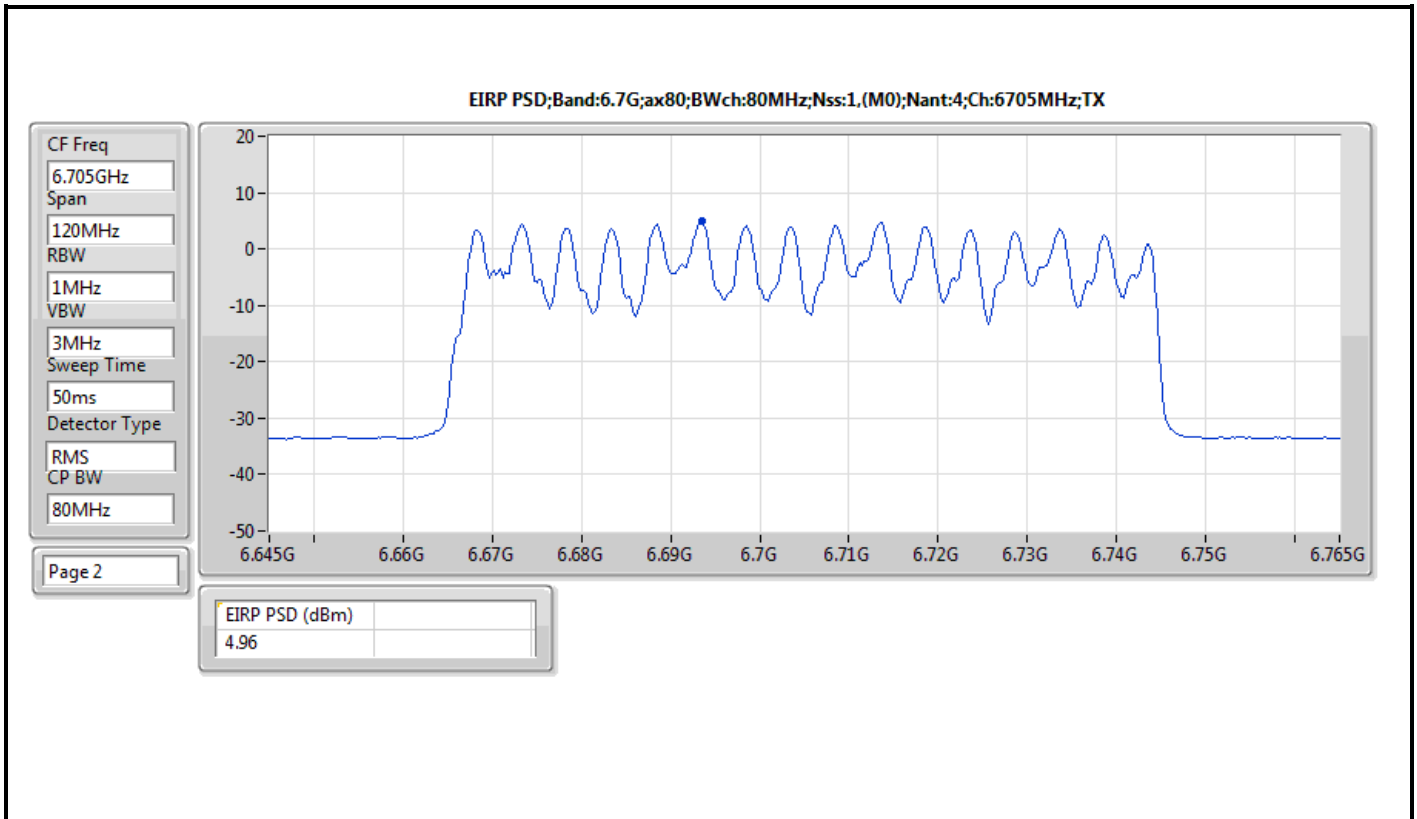


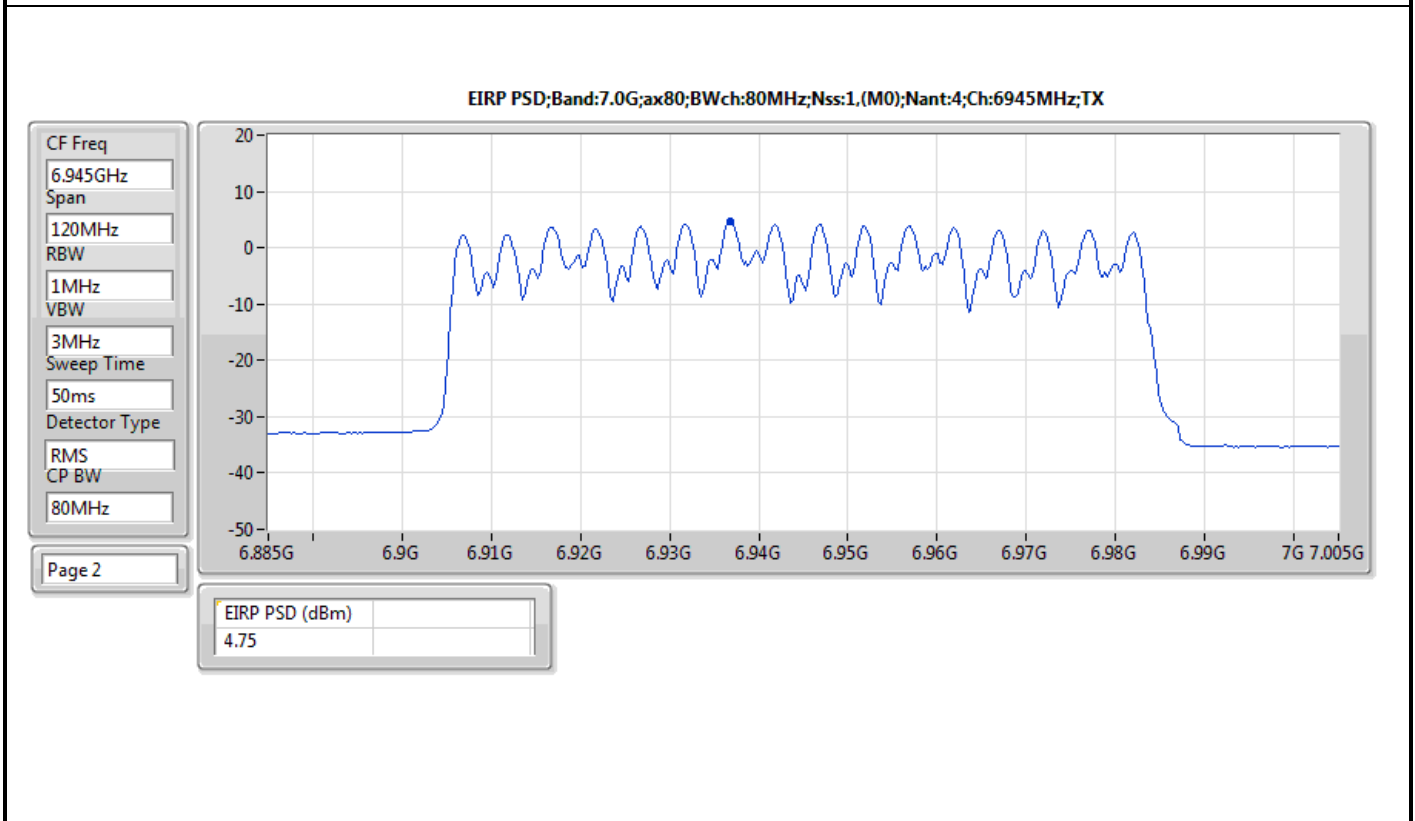
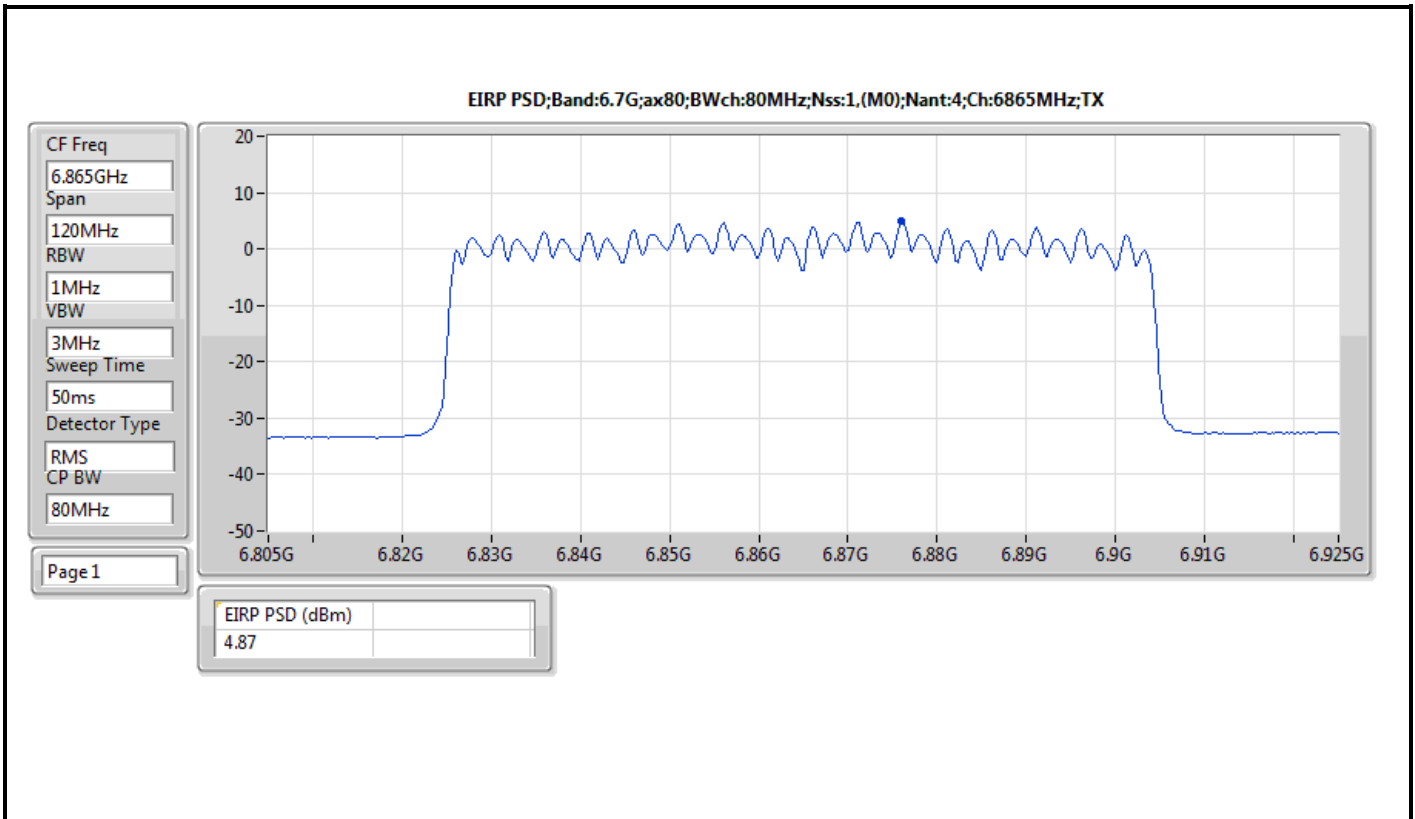


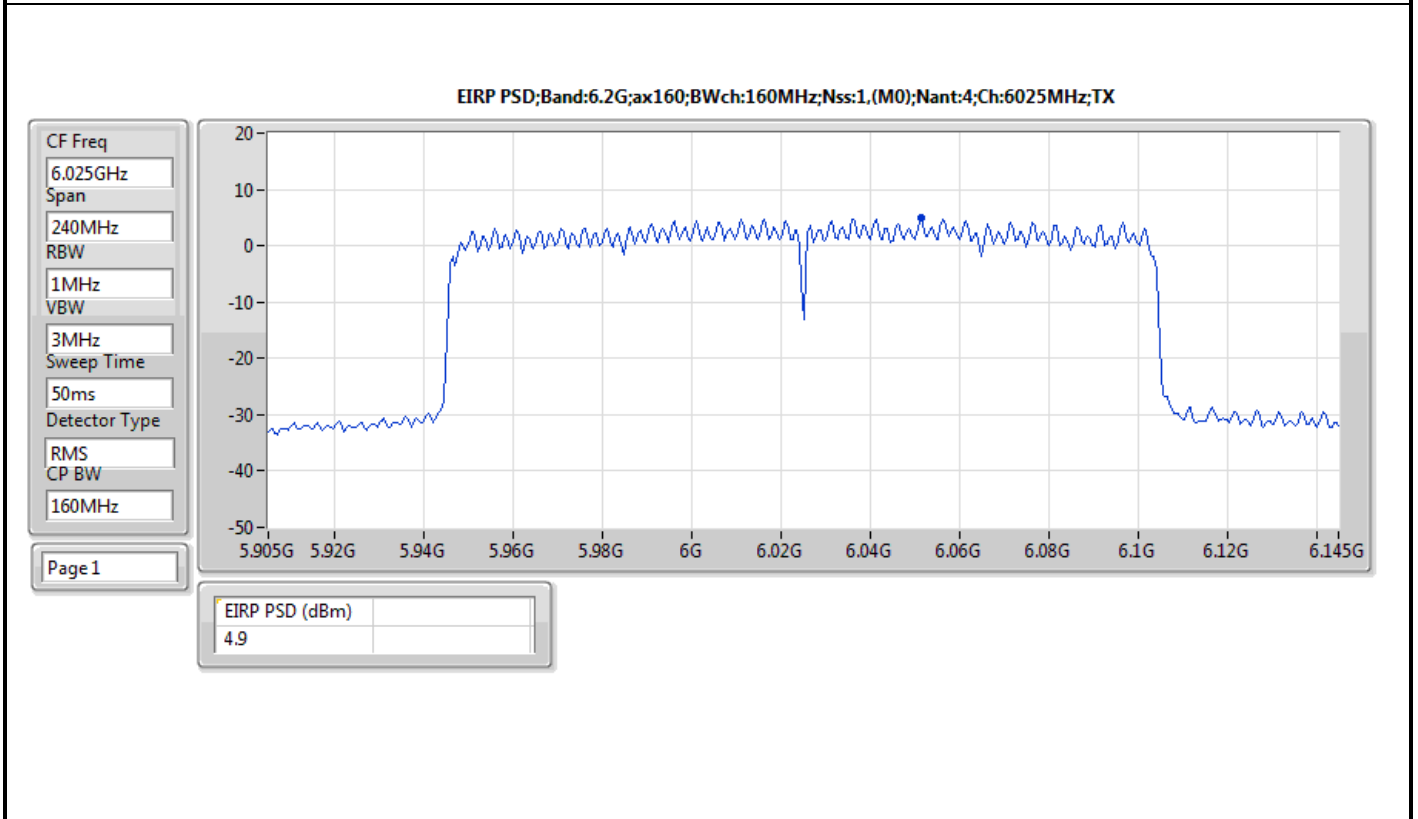
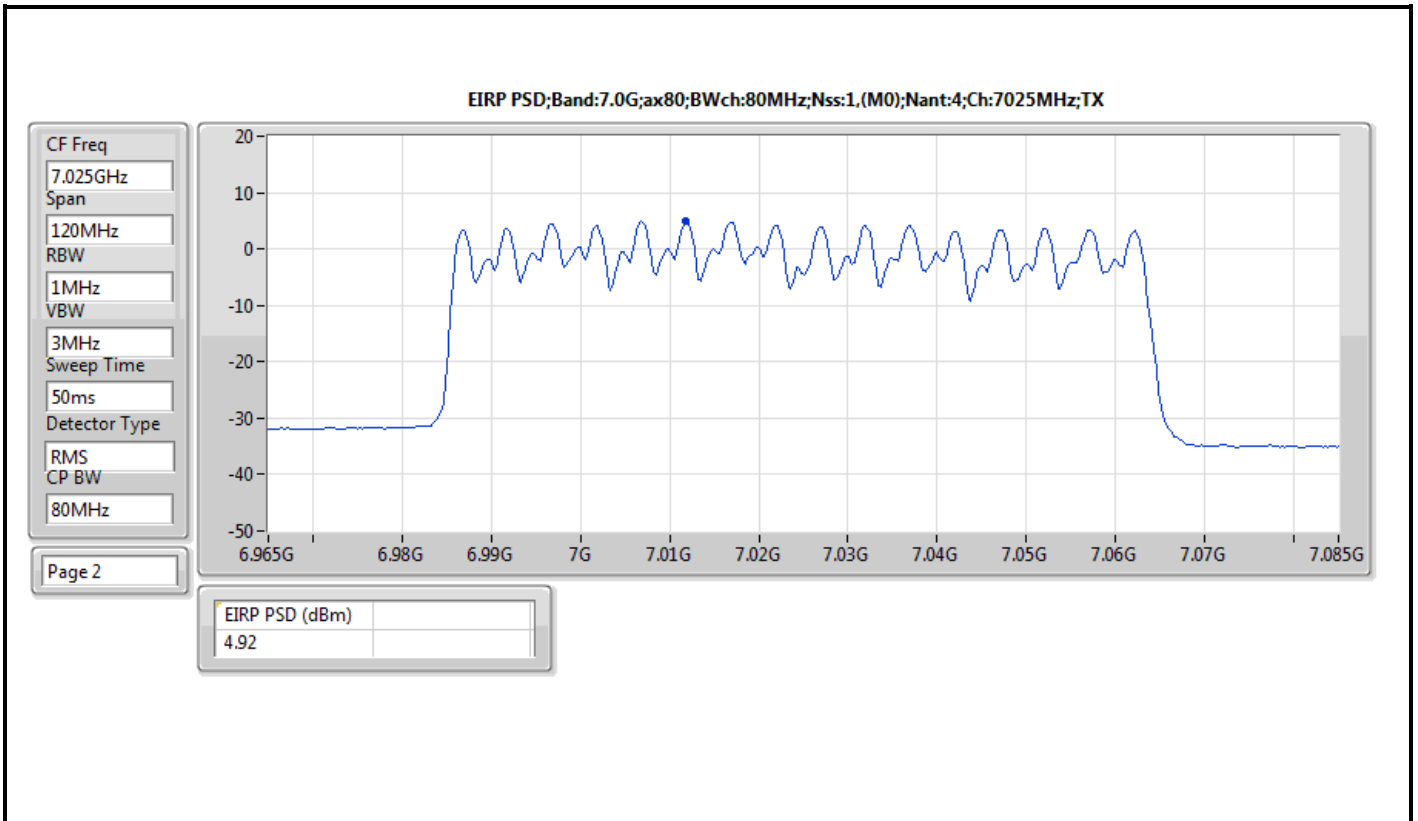


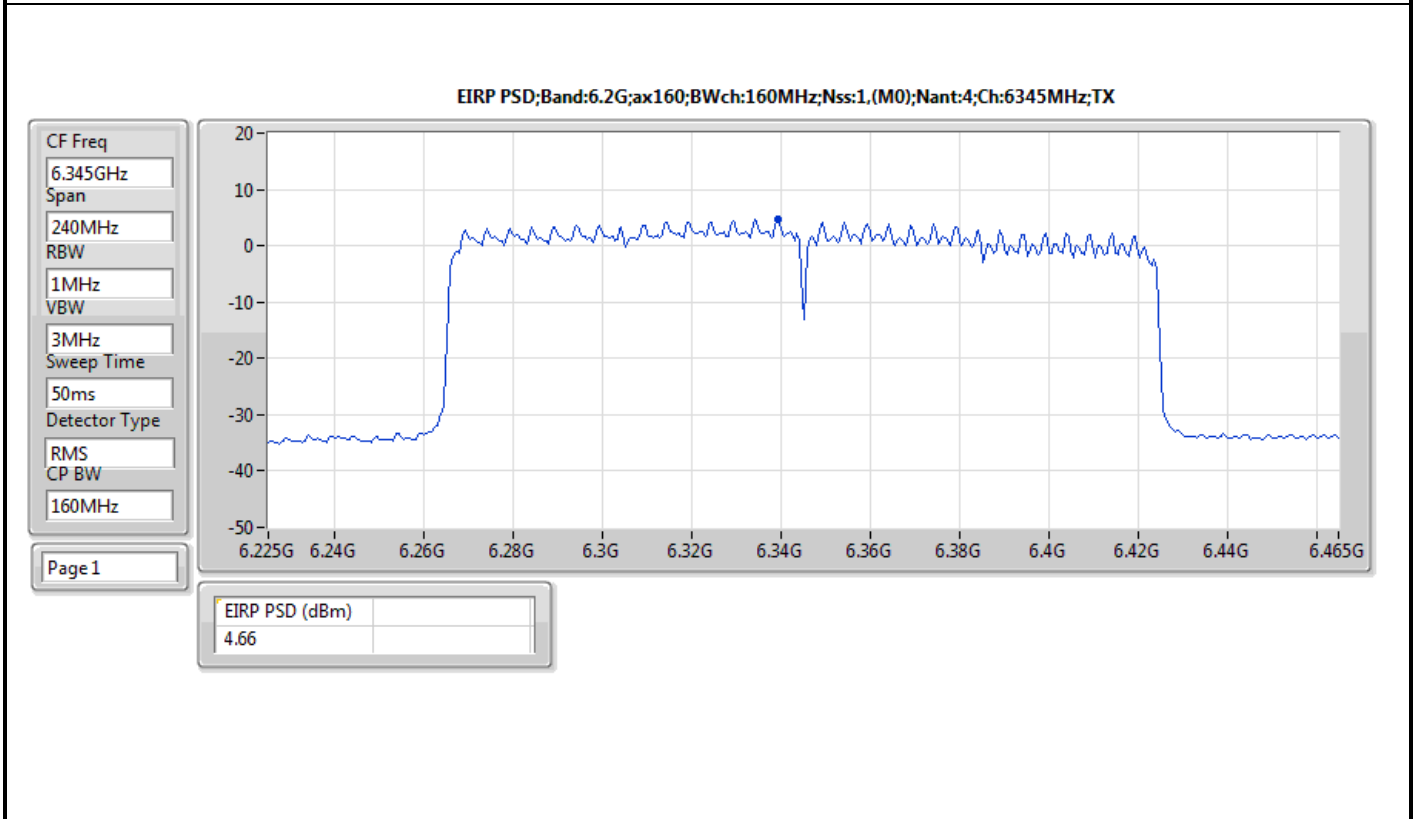
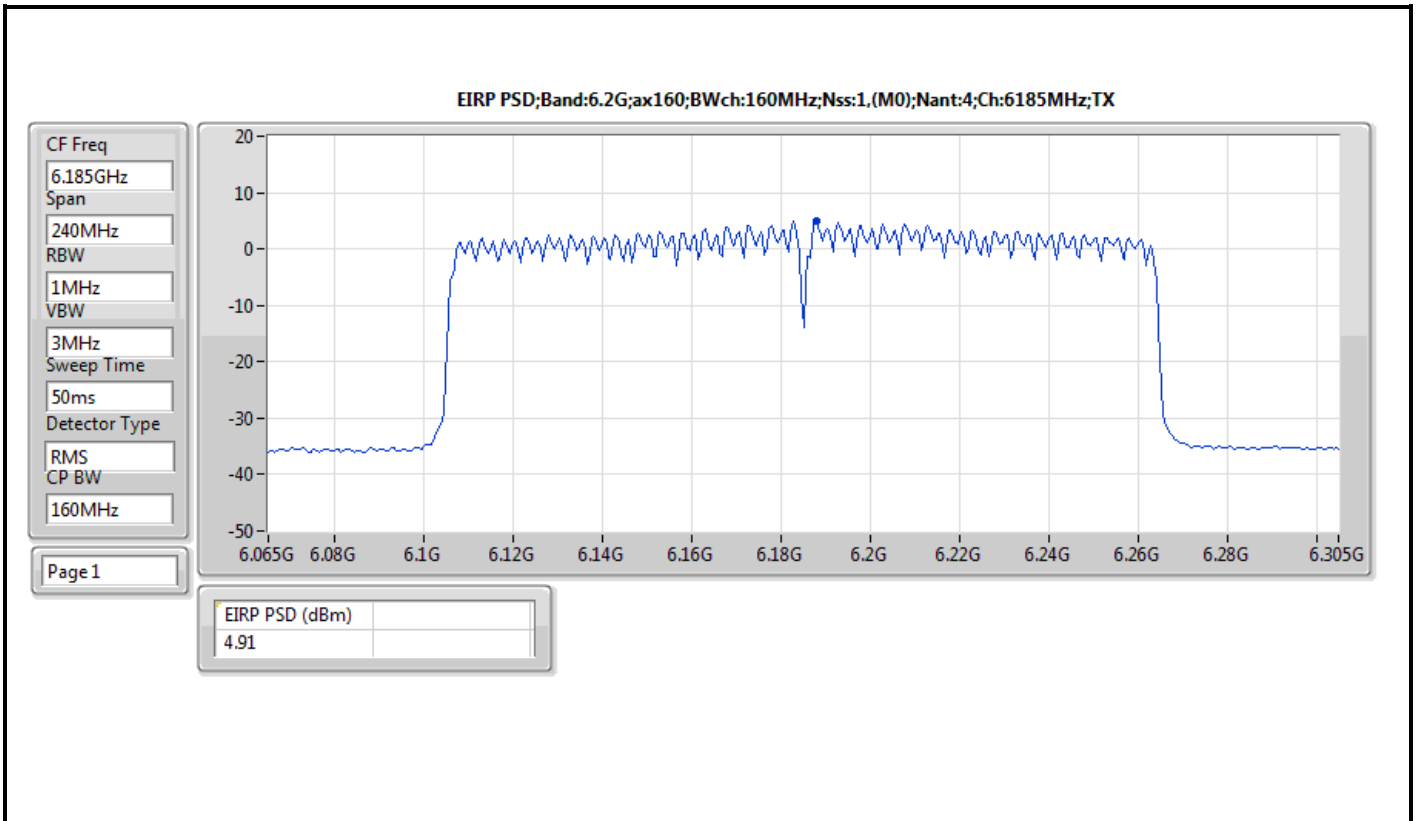


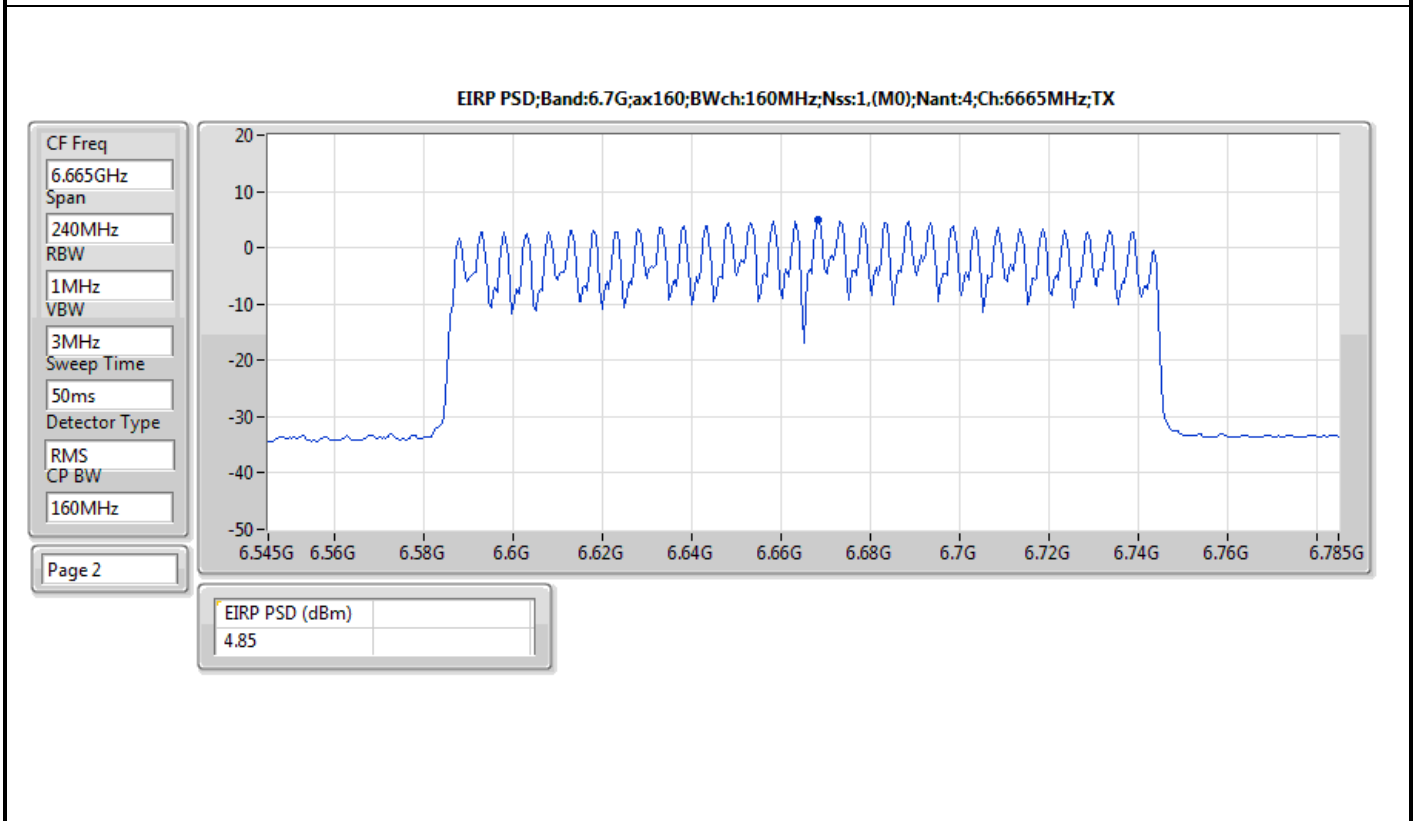
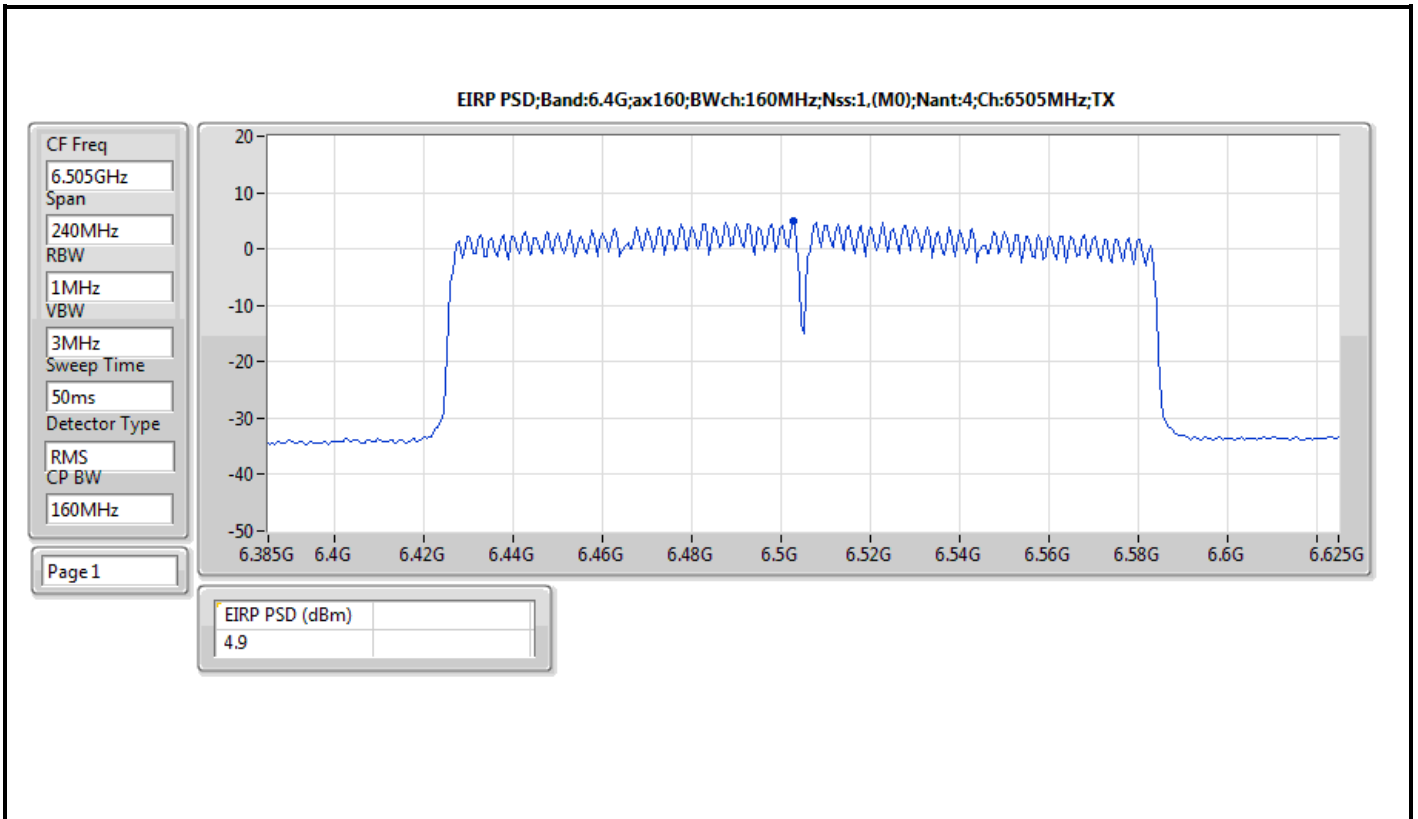


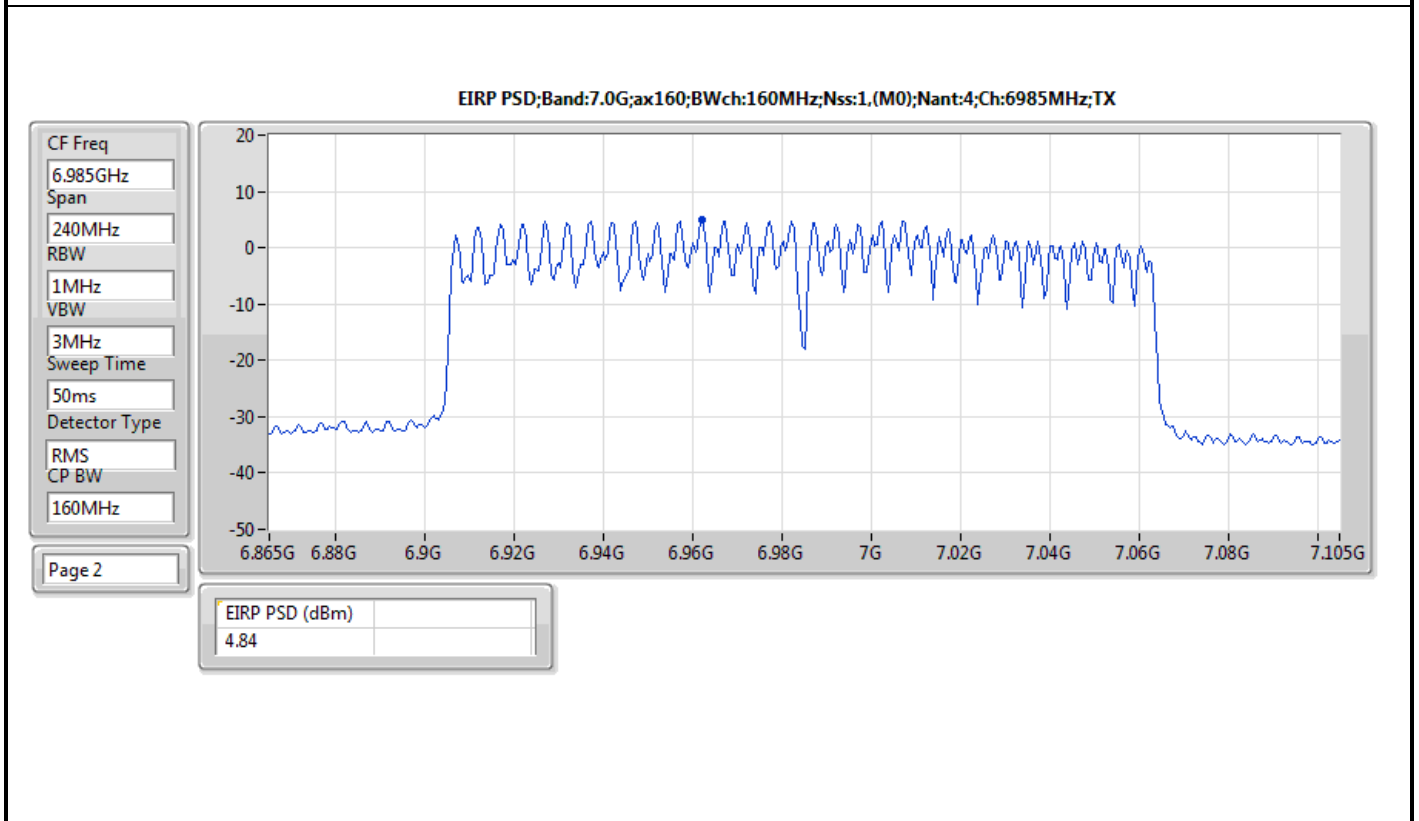
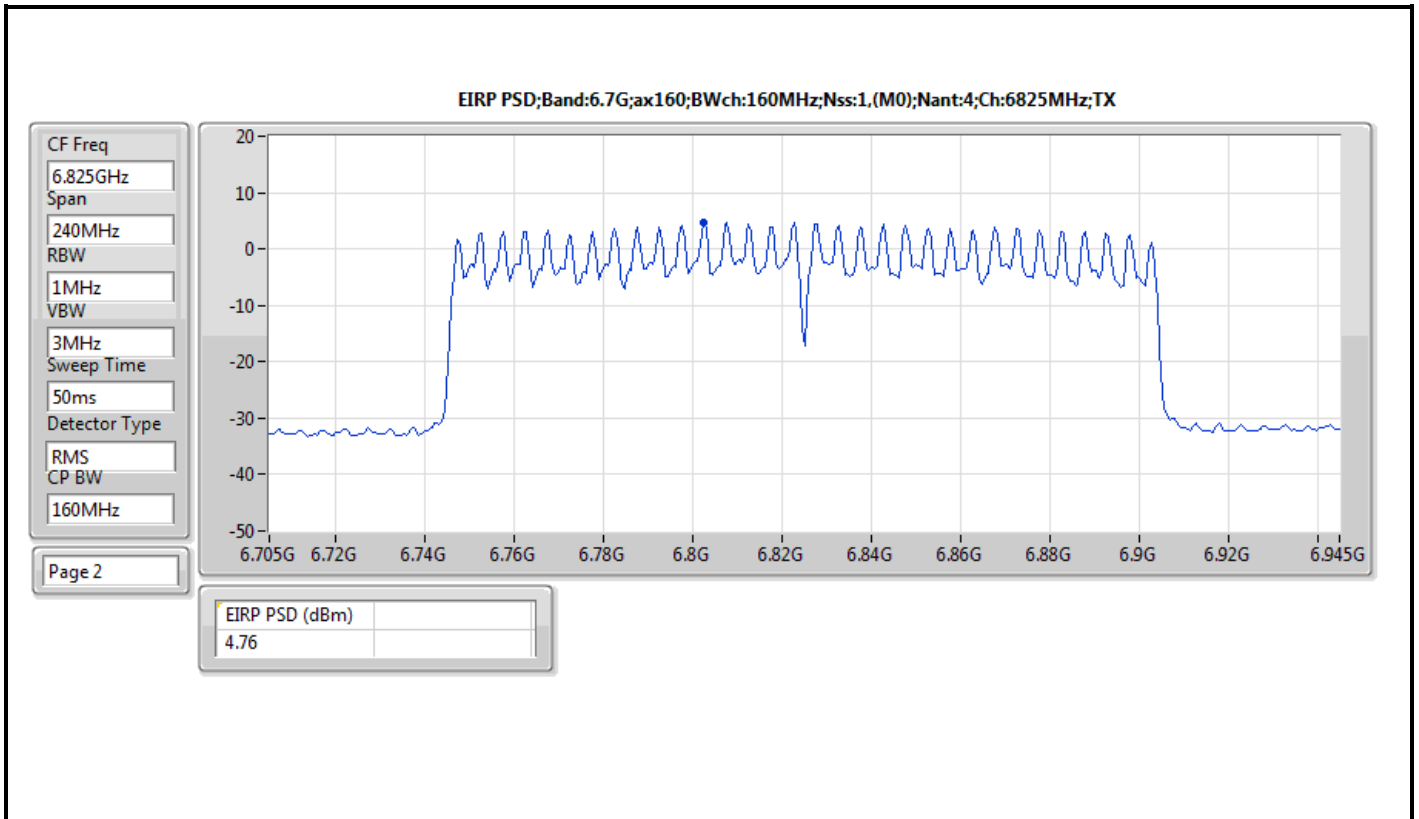












Summary

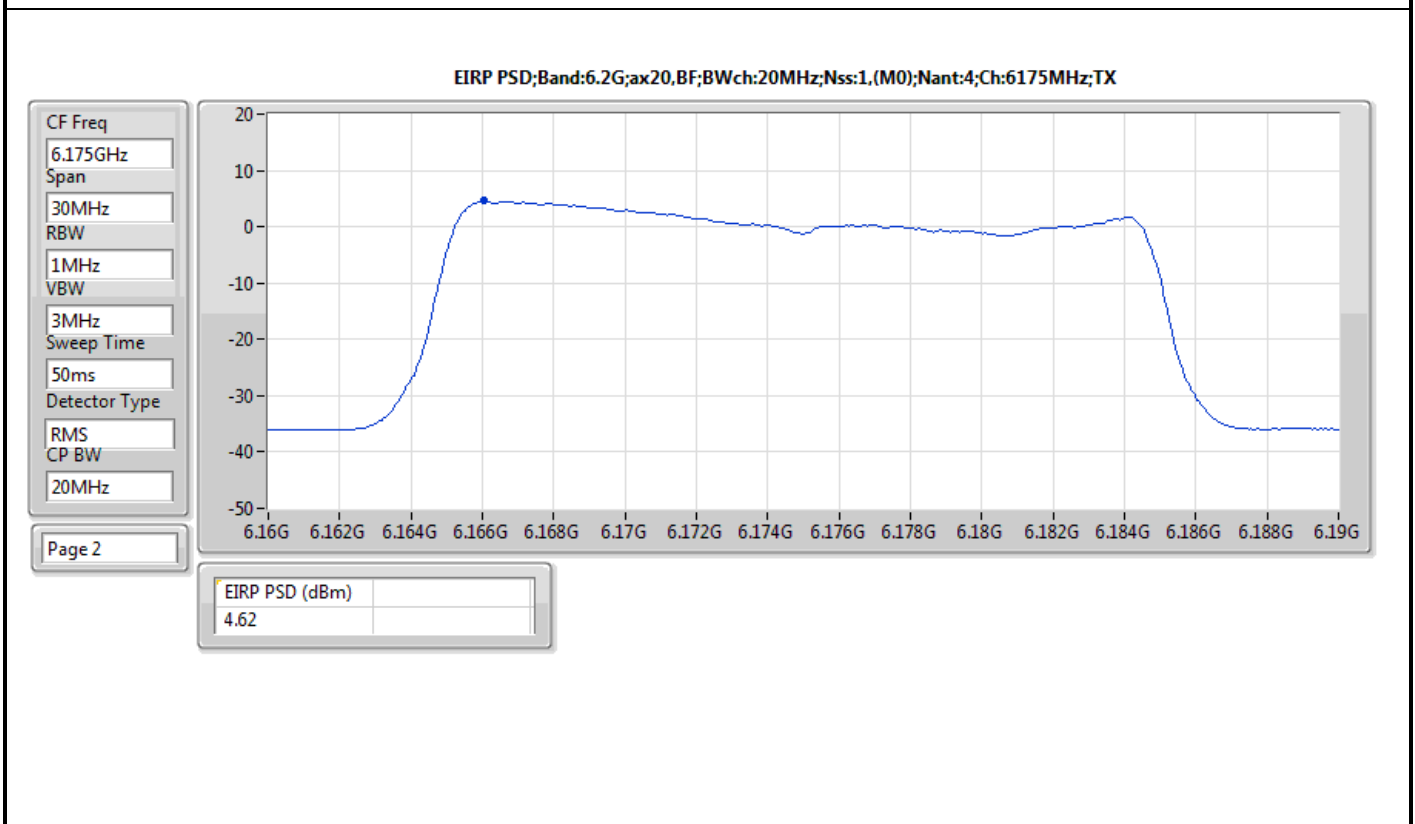
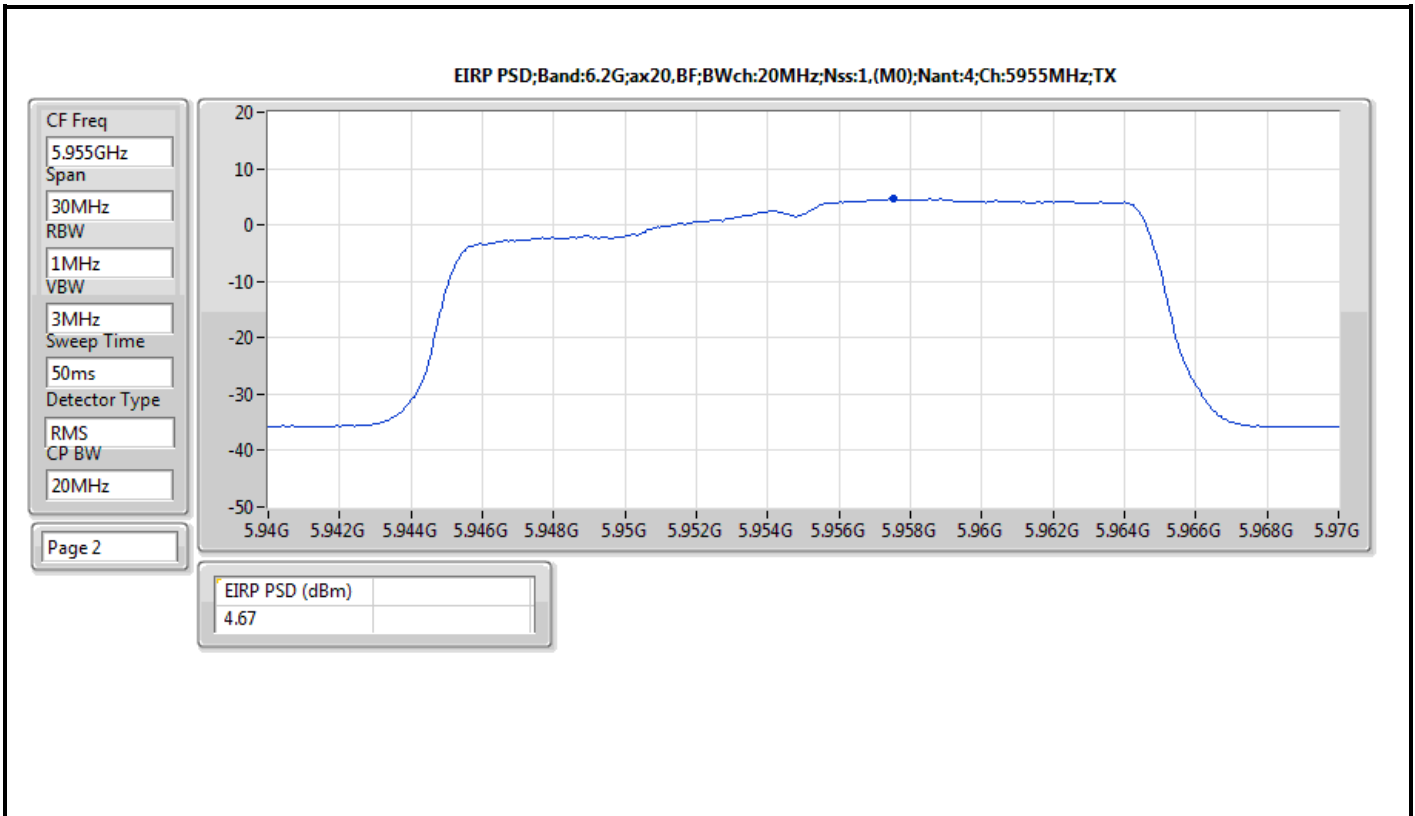
Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.94
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.89
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.98
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	4.86
6.425-6.525GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.91
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.89
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.87
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	4.94
6.525-6.875GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.90
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.95
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.96
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	4.92
6.875-7.125GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	4.99
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	4.89
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	4.96
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	4.84

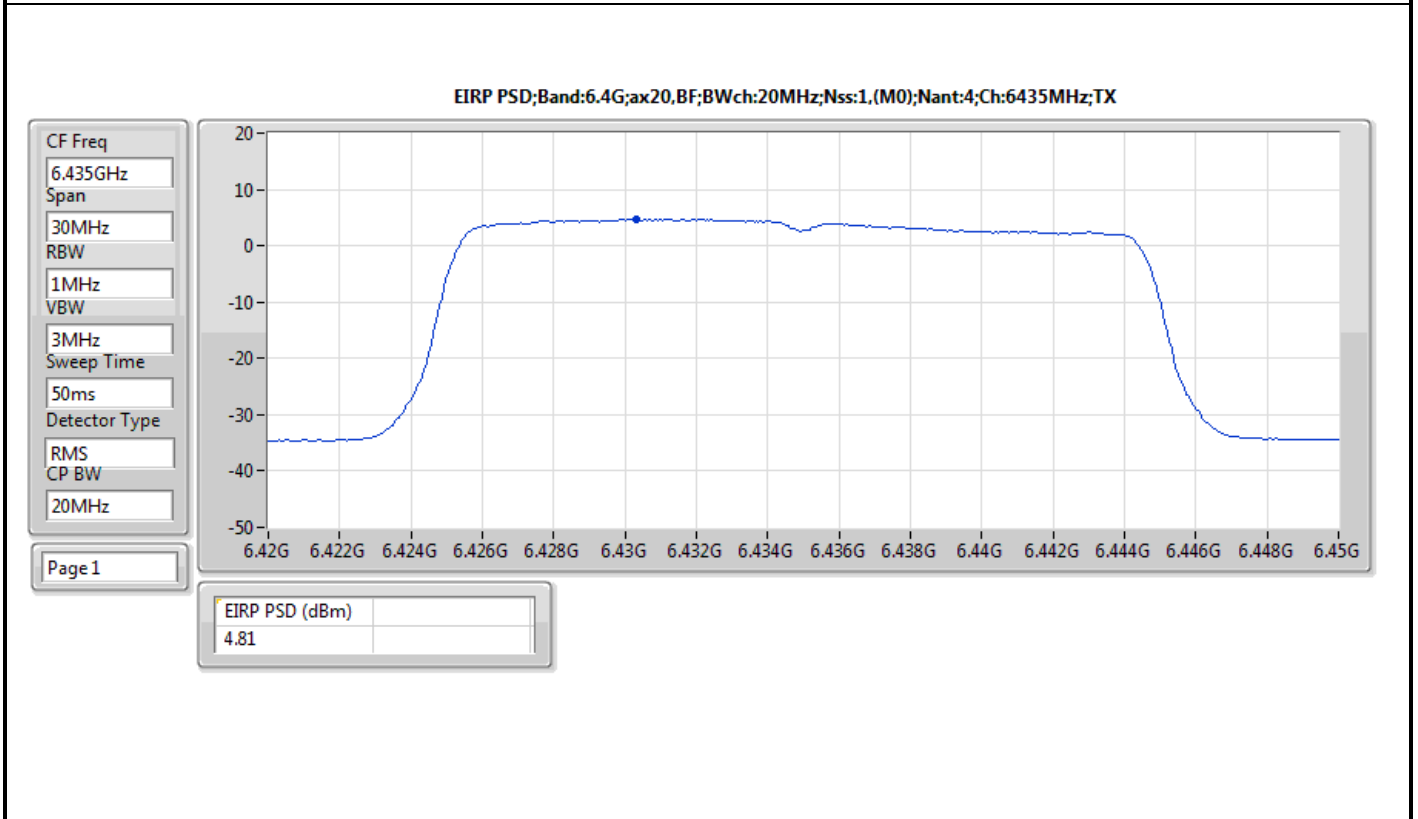
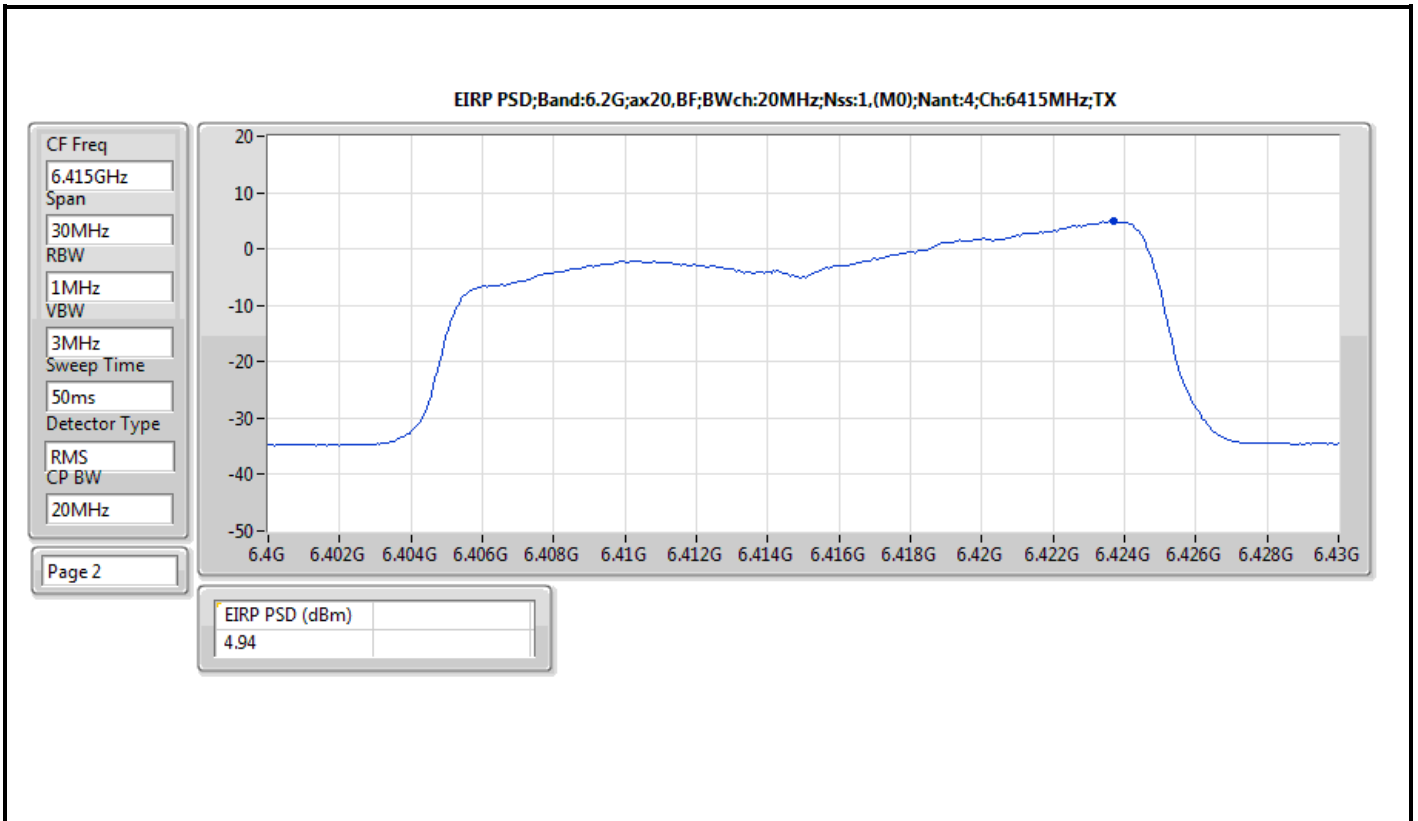
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

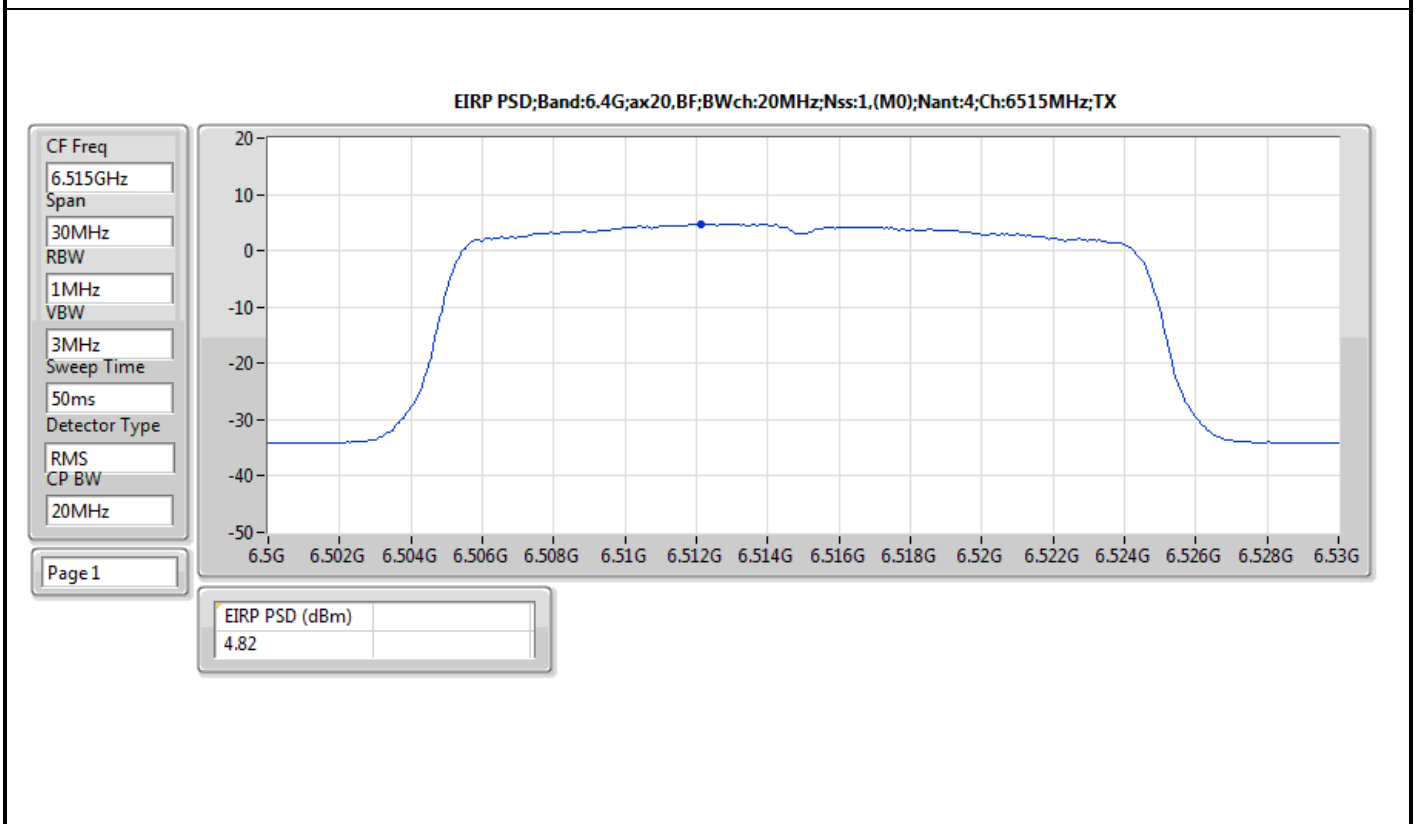
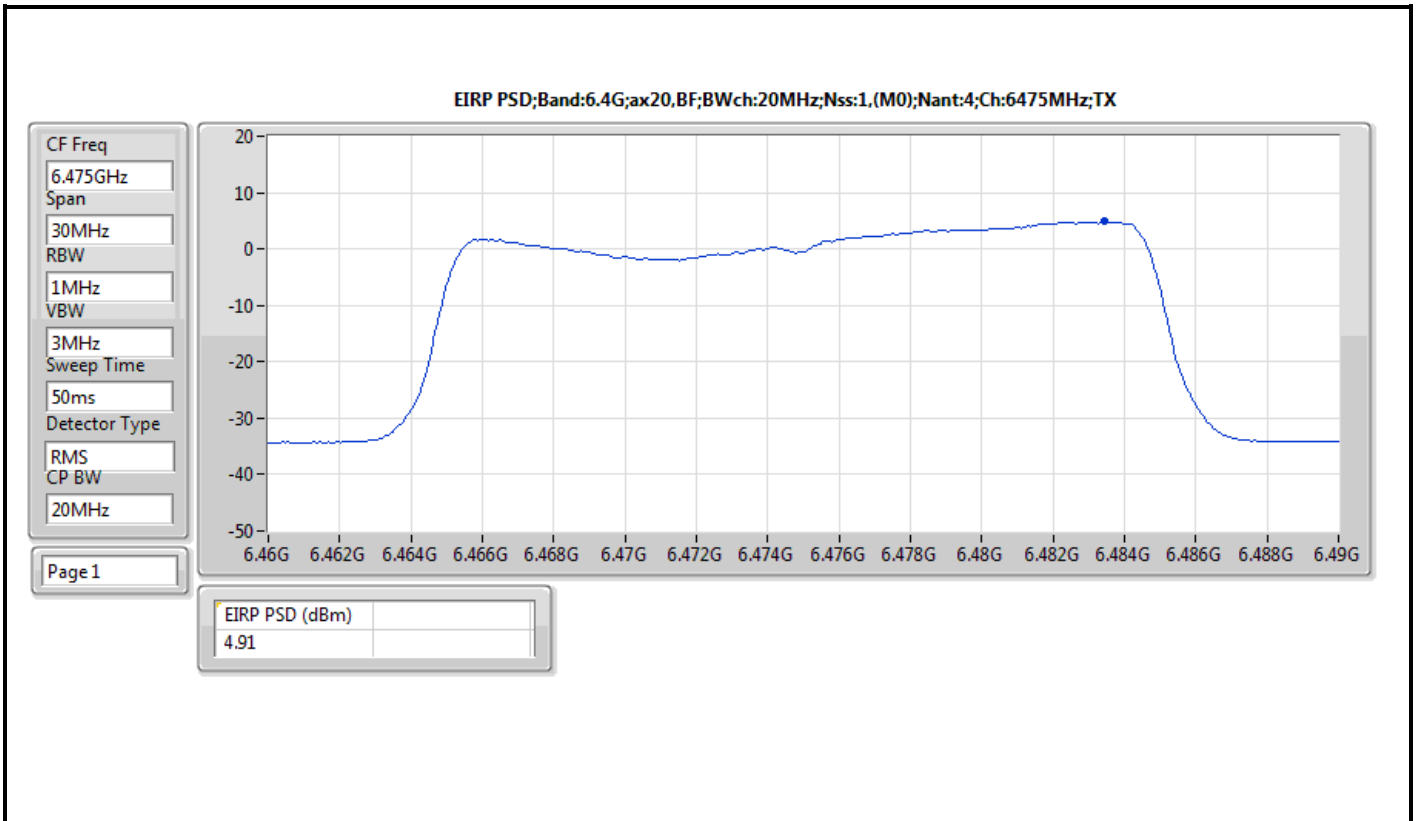
Result

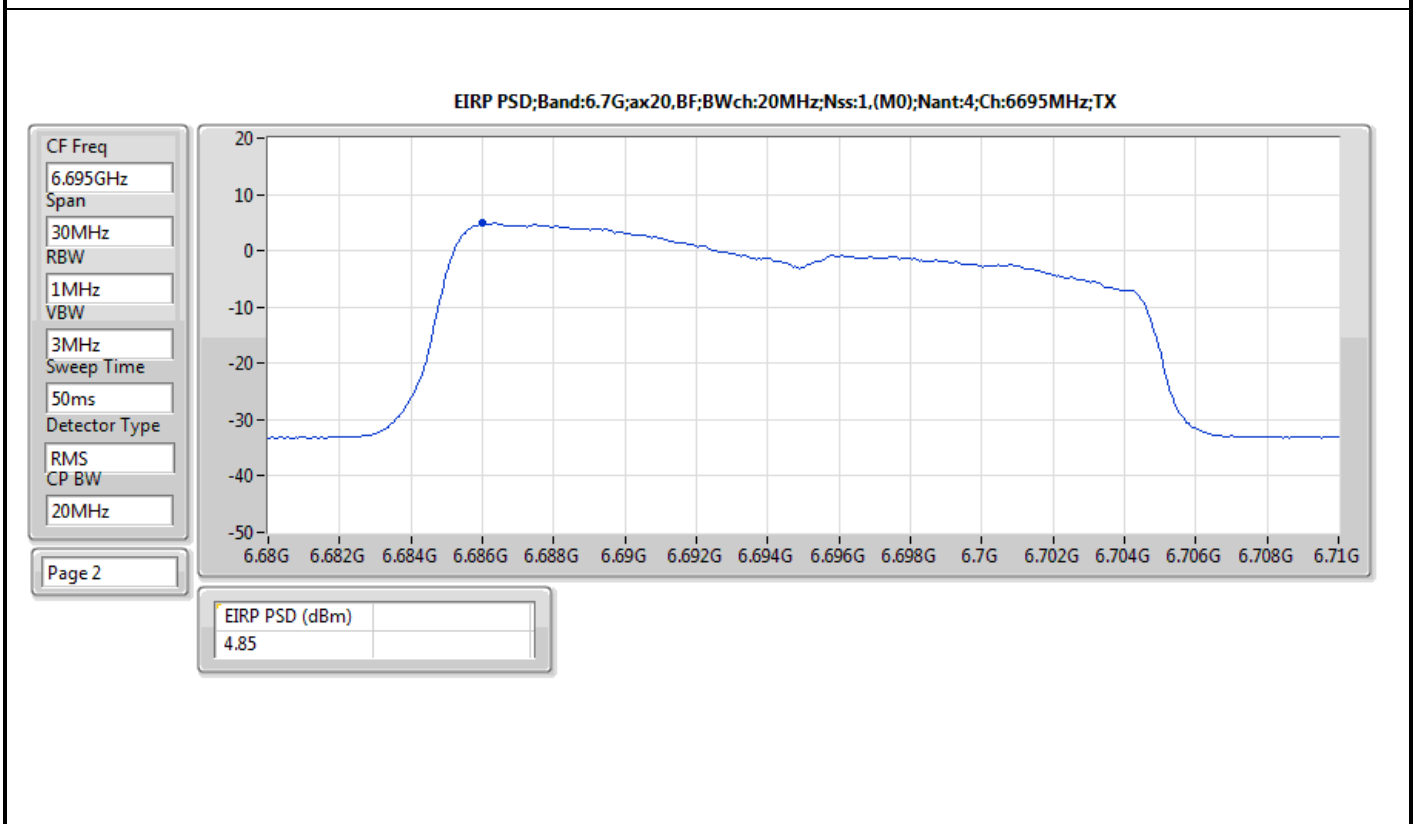
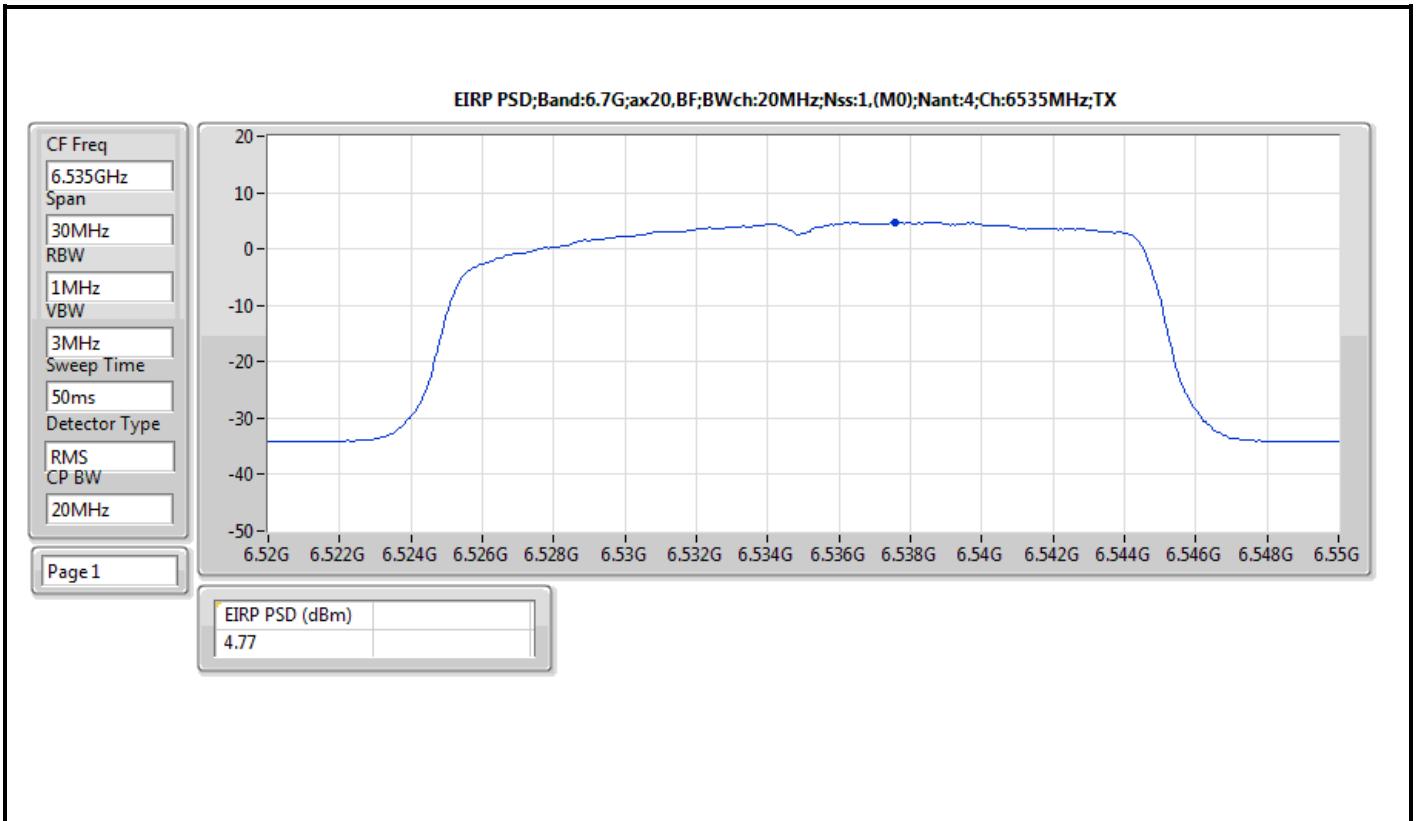
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-
5955MHz	Pass	4.67	5.00
6175MHz	Pass	4.62	5.00
6415MHz	Pass	4.94	5.00
6435MHz	Pass	4.81	5.00
6475MHz	Pass	4.91	5.00
6515MHz	Pass	4.82	5.00
6535MHz	Pass	4.77	5.00
6695MHz	Pass	4.85	5.00
6855MHz	Pass	4.90	5.00
6875MHz Straddle 6.525-6.875GHz	Pass	4.87	5.00
6895MHz	Pass	4.98	5.00
6995MHz	Pass	4.99	5.00
7095MHz	Pass	4.85	5.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-
5965MHz	Pass	4.89	5.00
6165MHz	Pass	4.89	5.00
6405MHz	Pass	4.76	5.00
6445MHz	Pass	4.83	5.00
6485MHz	Pass	4.76	5.00
6525MHz Straddle 6.425-6.525GHz	Pass	4.89	5.00
6565MHz	Pass	4.95	5.00
6685MHz	Pass	4.85	5.00
6845MHz	Pass	4.84	5.00
6885MHz Straddle 6.525-6.875GHz	Pass	4.74	5.00
6925MHz	Pass	4.81	5.00
7005MHz	Pass	4.88	5.00
7085MHz	Pass	4.89	5.00
802.11ax HEW80-BF_Nss1,(MCS0)_4TX	-	-	-
5985MHz	Pass	4.98	5.00
6145MHz	Pass	4.83	5.00
6385MHz	Pass	4.98	5.00
6465MHz	Pass	4.87	5.00
6545MHz Straddle 6.425-6.525GHz	Pass	4.76	5.00
6625MHz	Pass	4.93	5.00
6705MHz	Pass	4.80	5.00
6785MHz	Pass	4.80	5.00
6865MHz Straddle 6.525-6.875GHz	Pass	4.96	5.00
6945MHz	Pass	4.96	5.00
7025MHz	Pass	4.85	5.00
802.11ax HEW160-BF_Nss1,(MCS0)_4TX	-	-	-
6025MHz	Pass	4.76	5.00
6185MHz	Pass	4.86	5.00
6345MHz	Pass	4.78	5.00
6505MHz Straddle 6.425-6.525GHz	Pass	4.94	5.00
6665MHz	Pass	4.82	5.00
6825MHz Straddle 6.525-6.875GHz	Pass	4.92	5.00
6985MHz	Pass	4.84	5.00

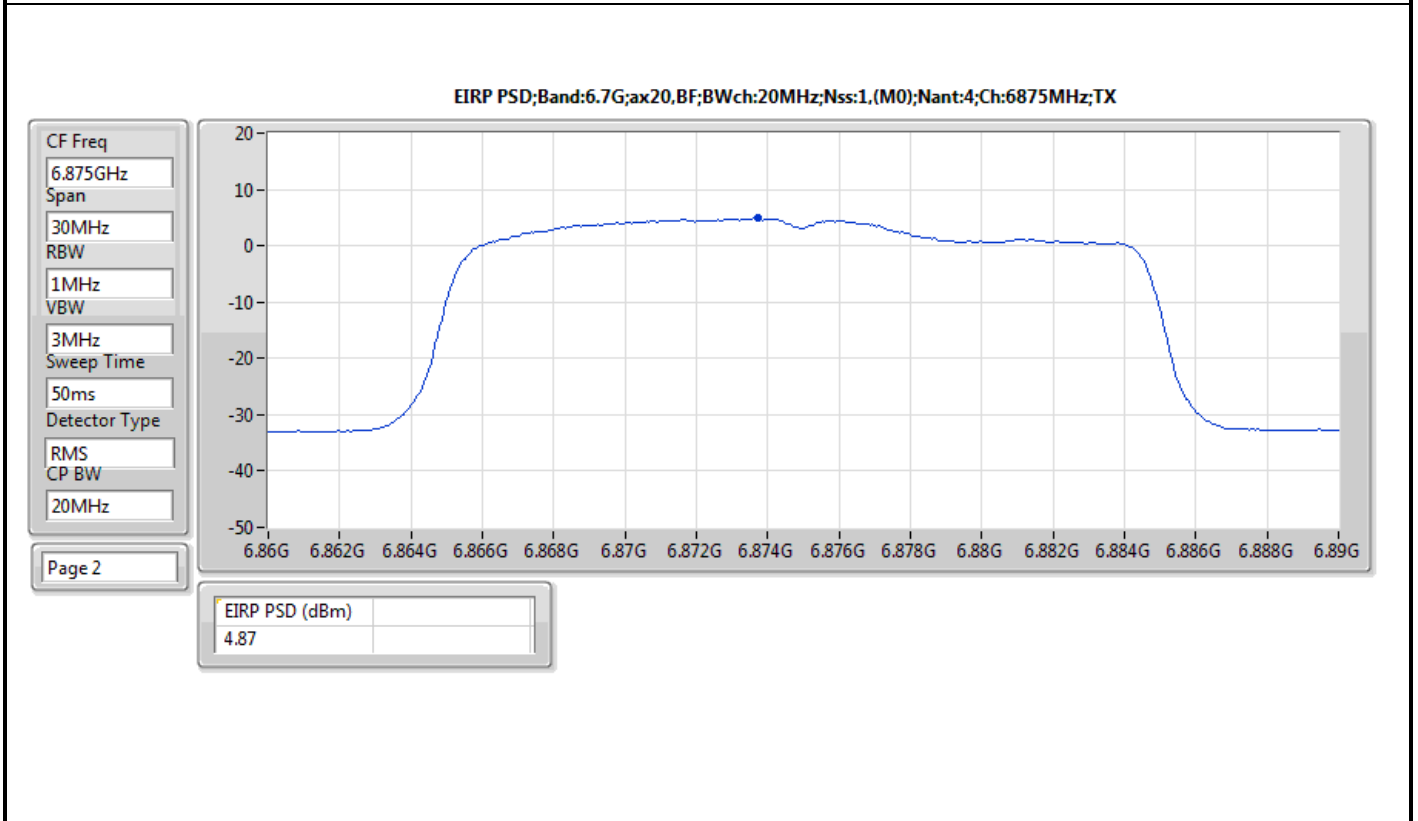
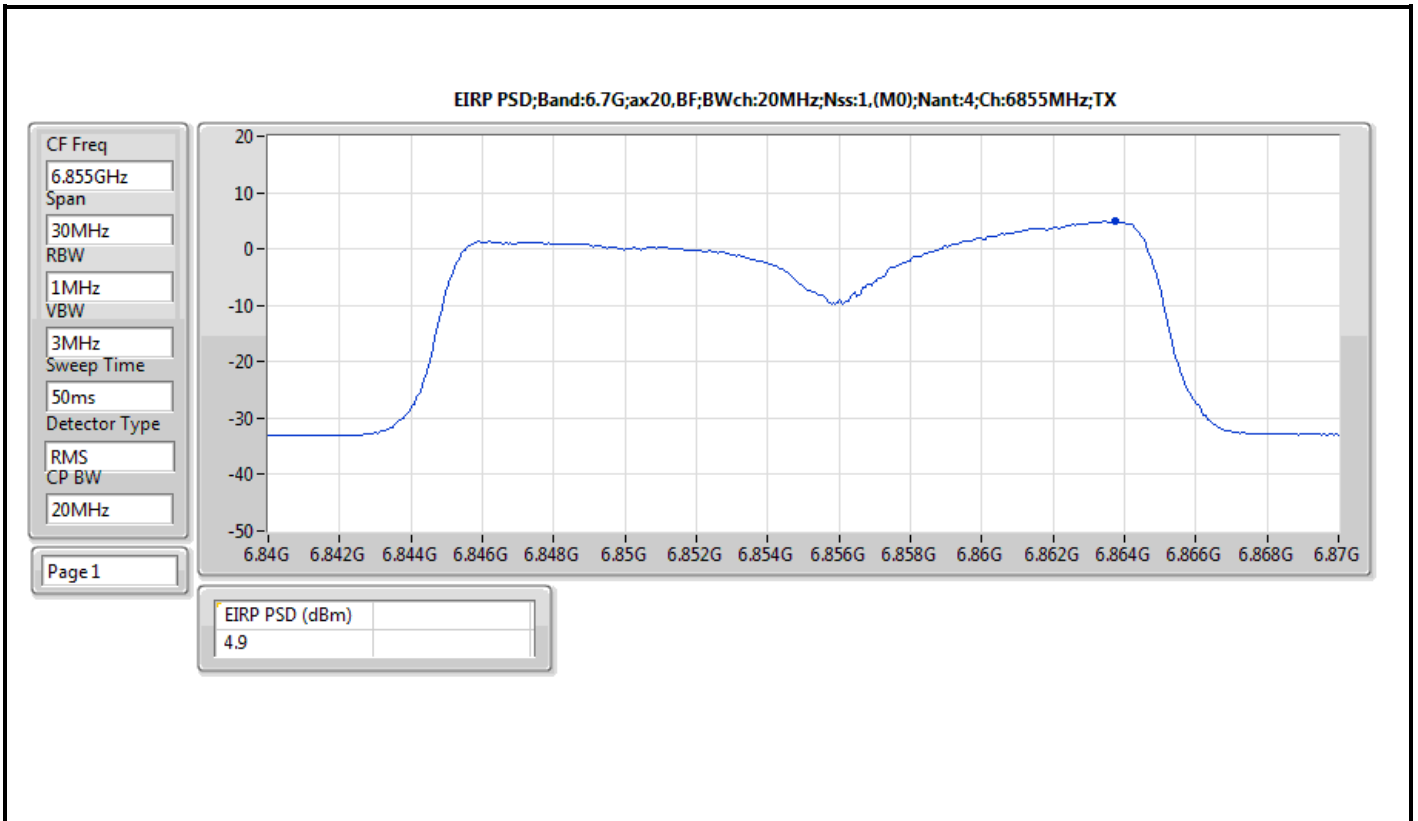
DG = Directional Gain; RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

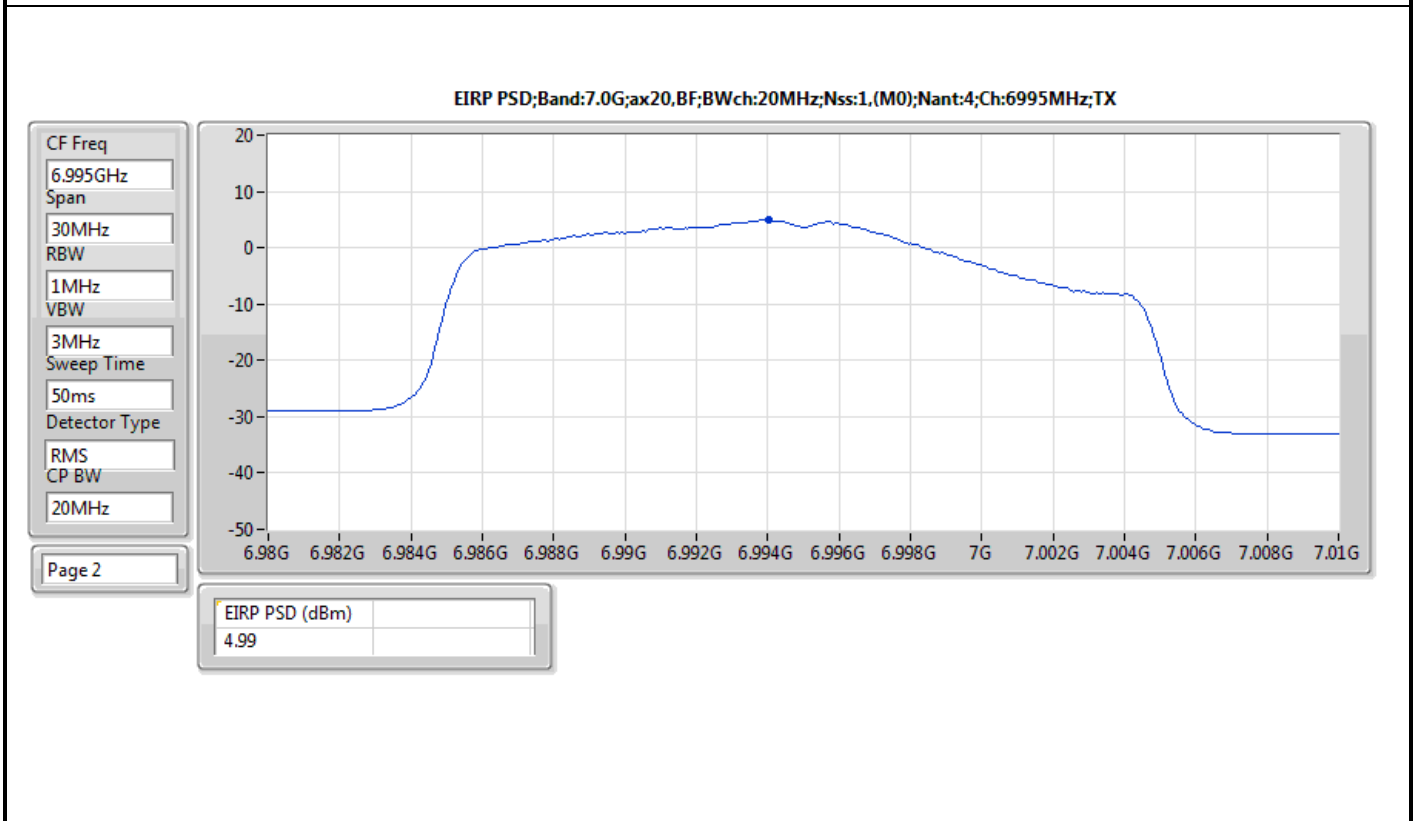
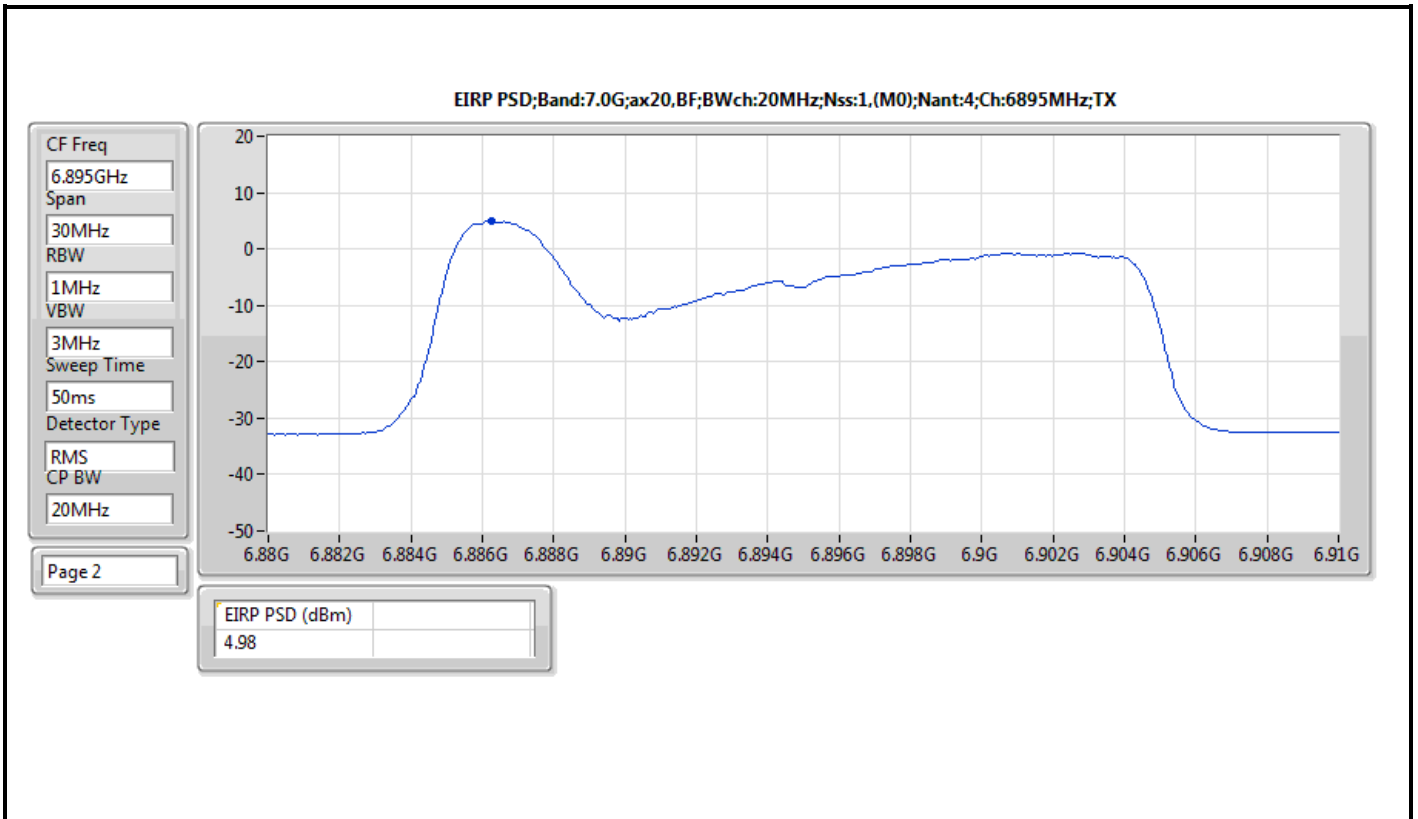


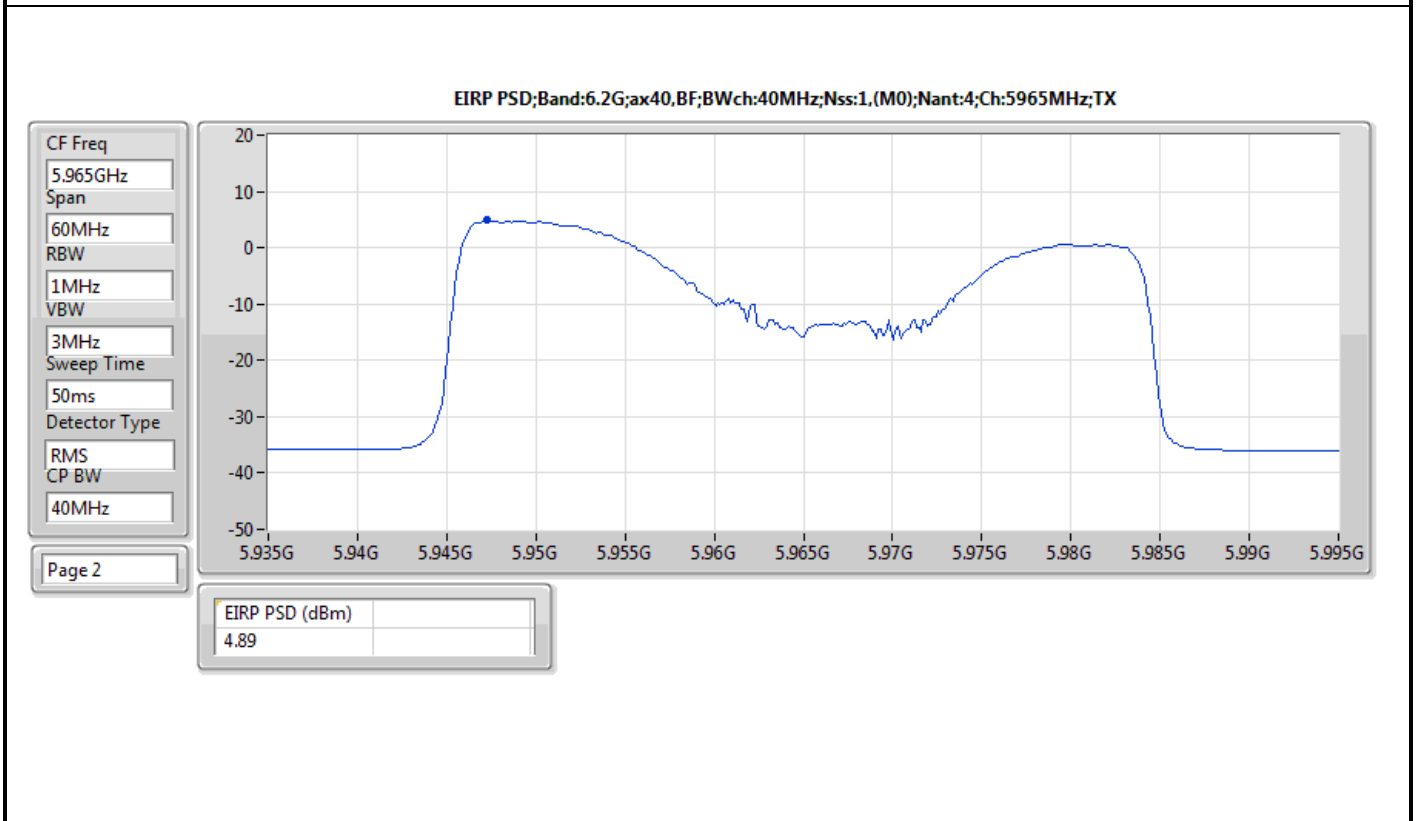
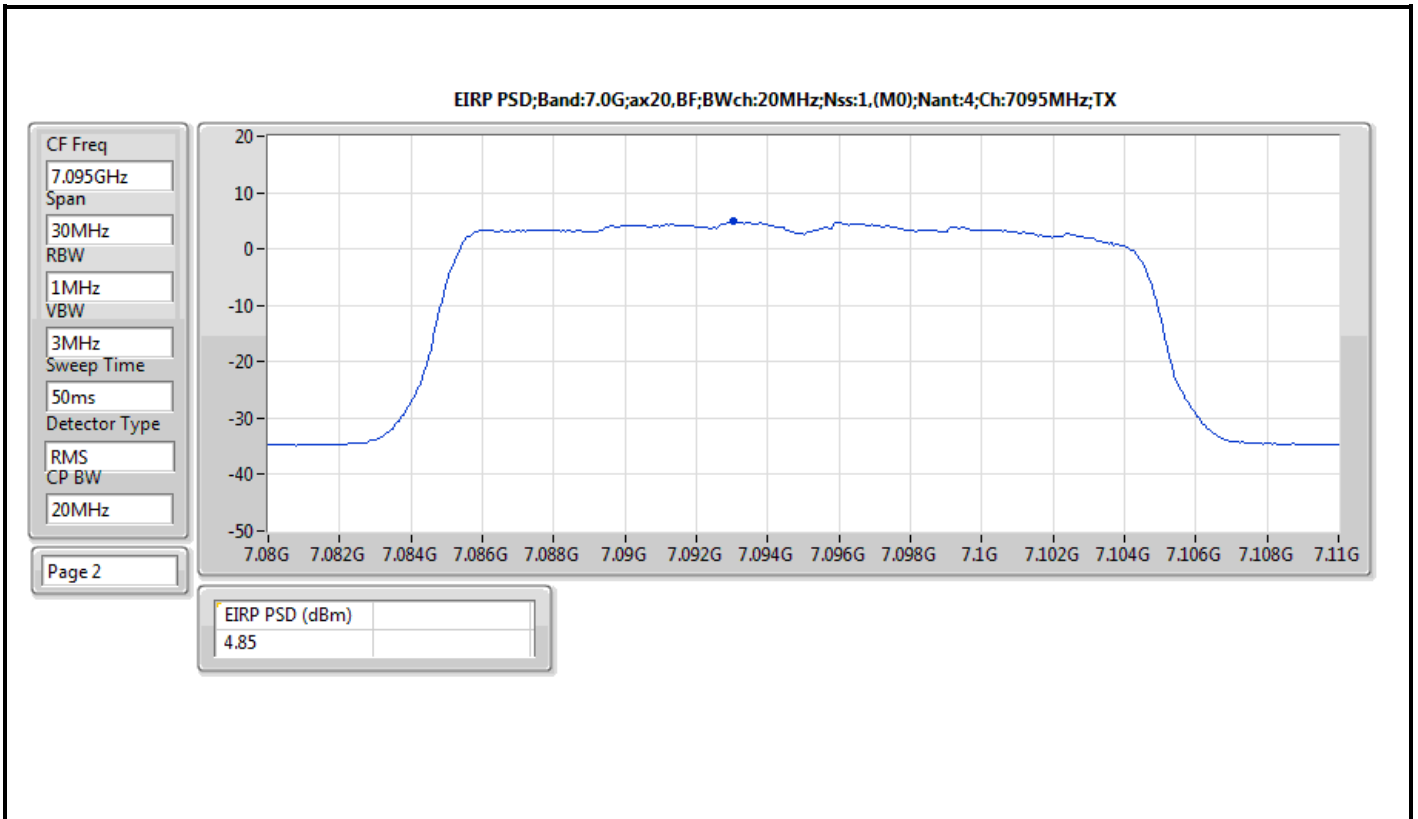


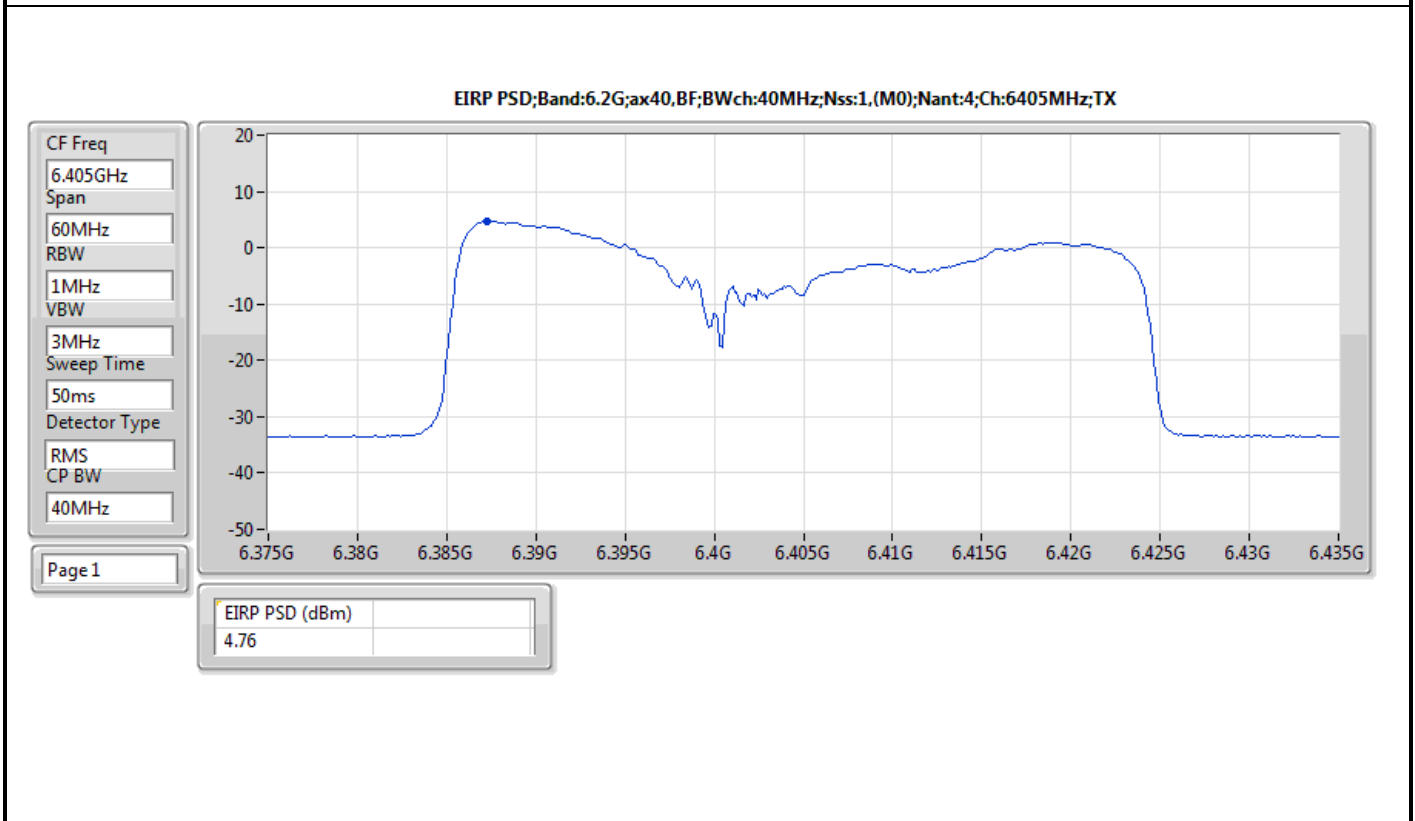
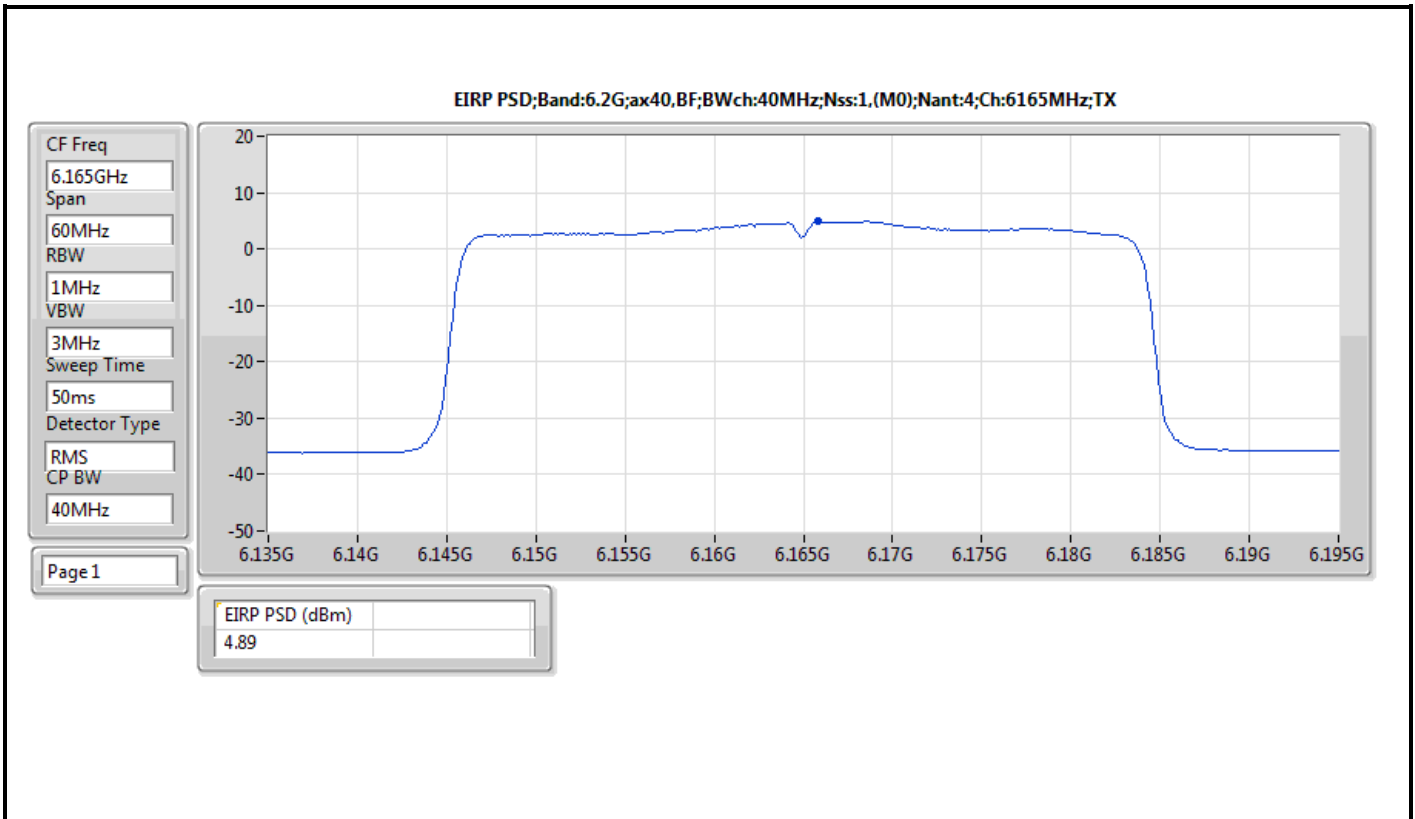


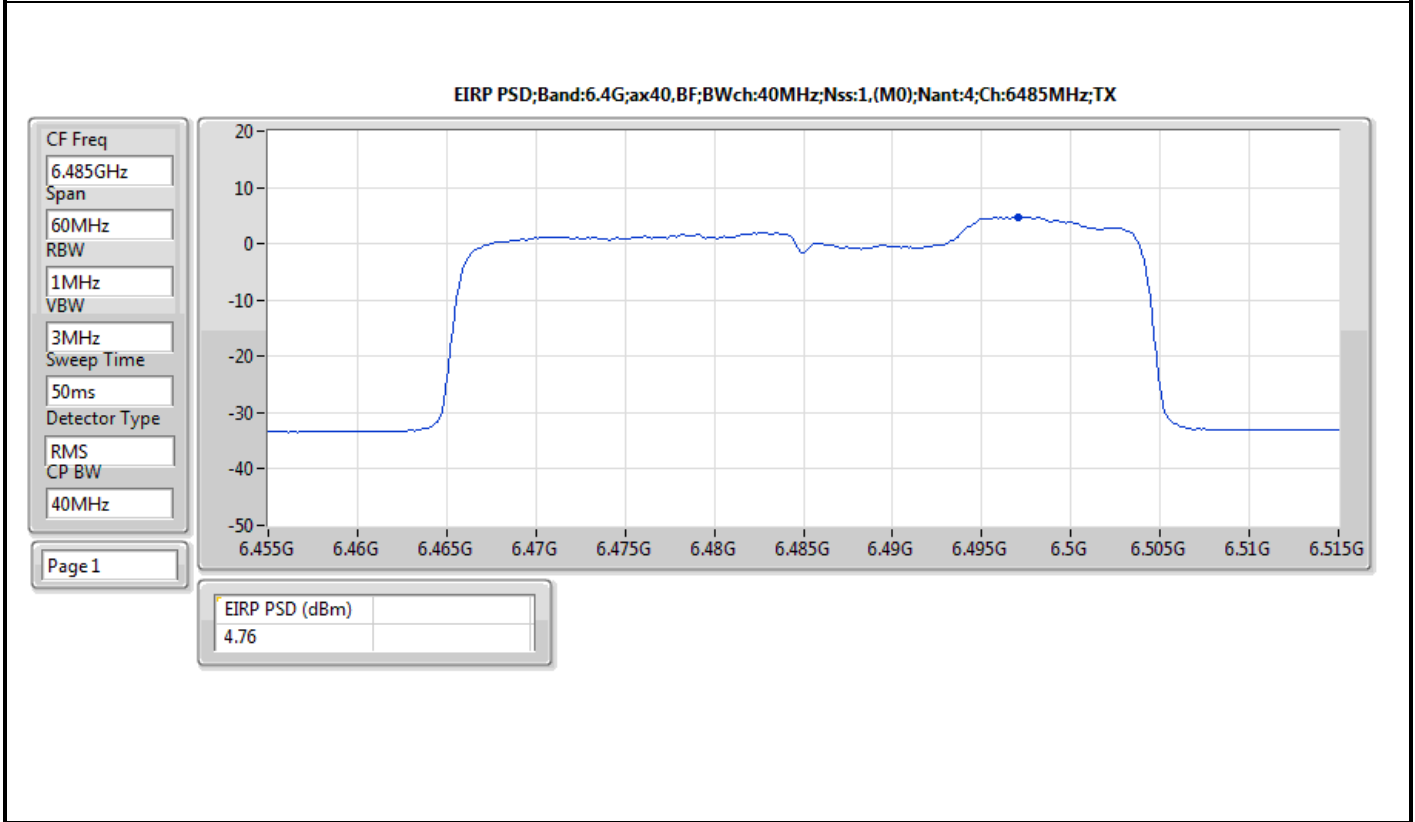
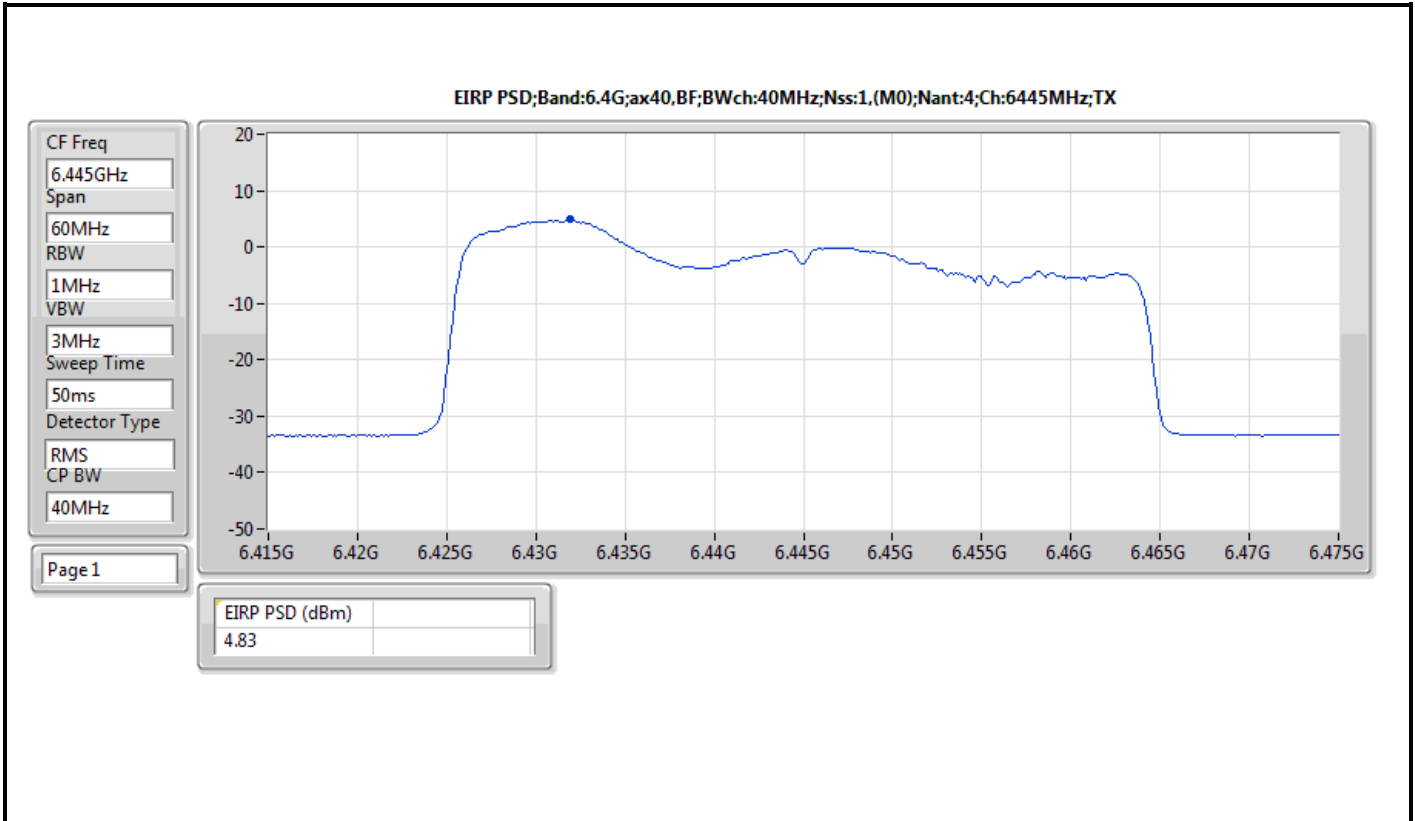


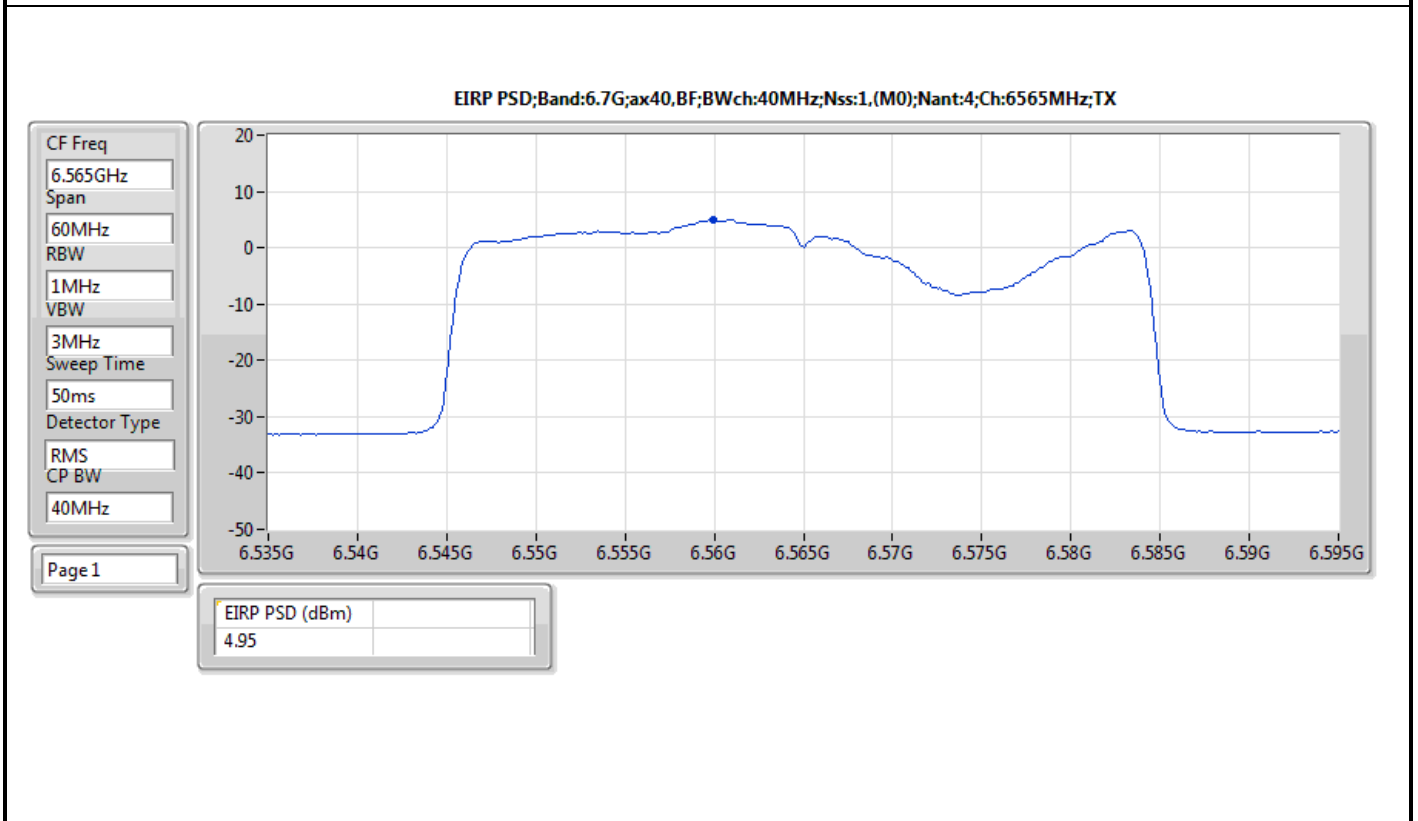
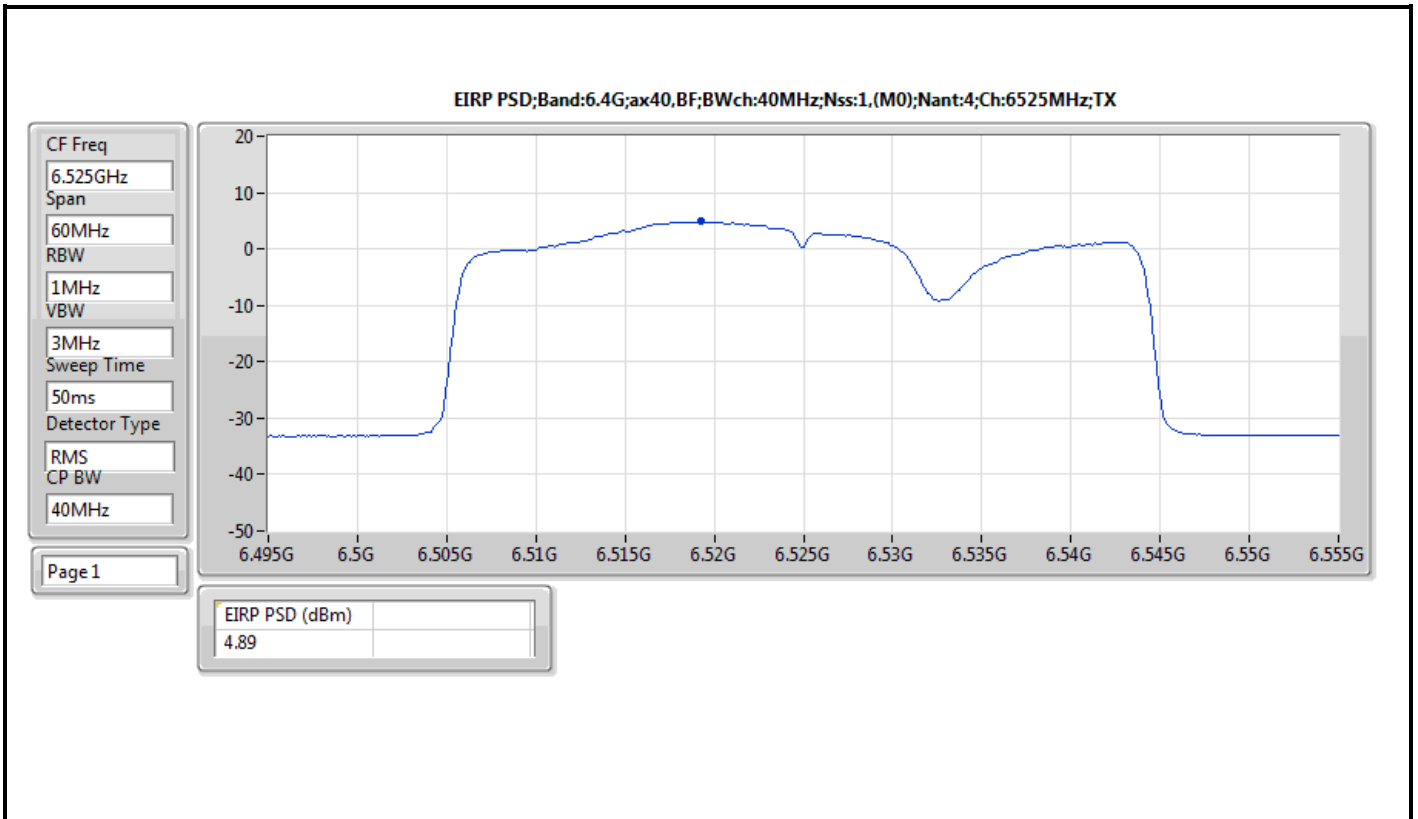


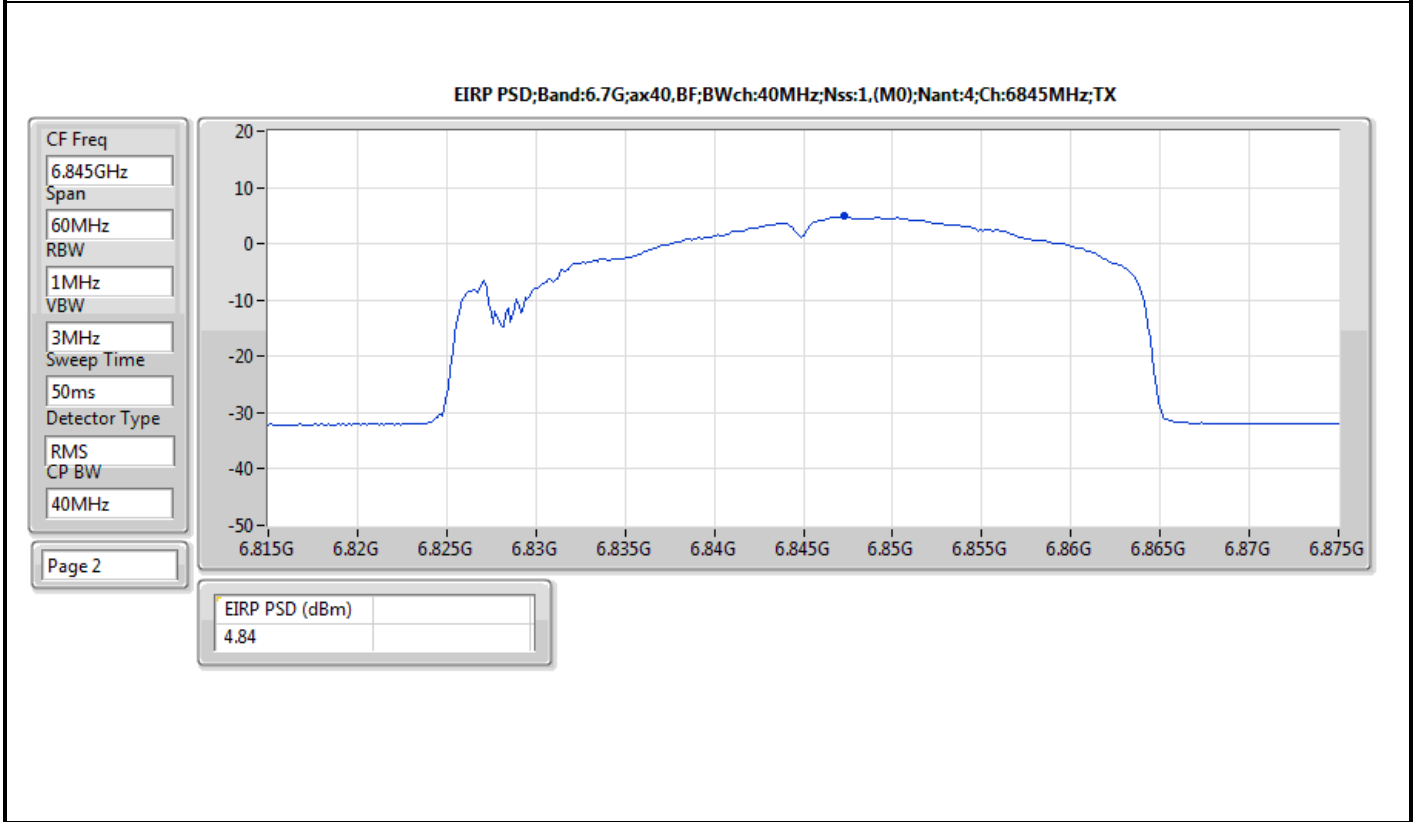
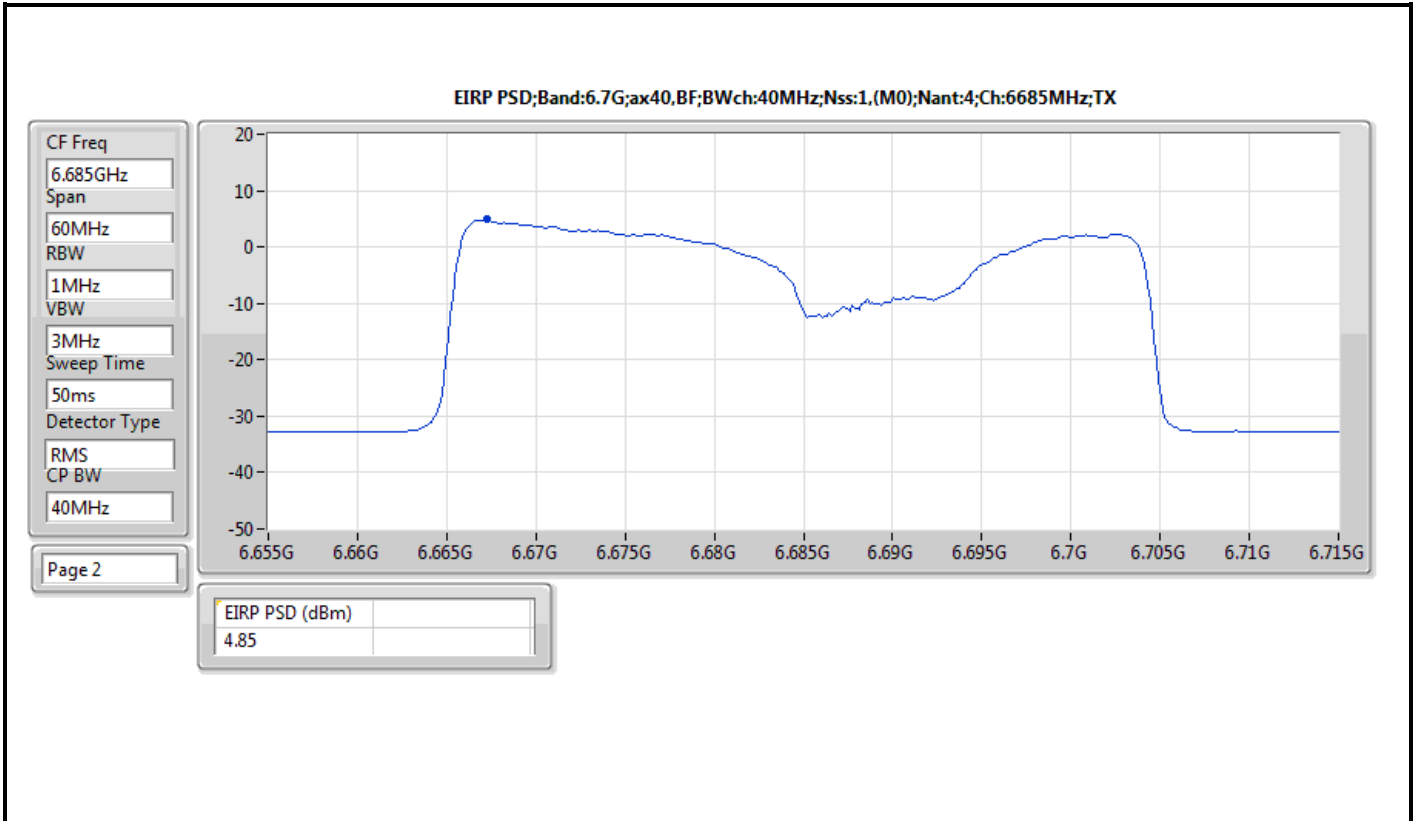


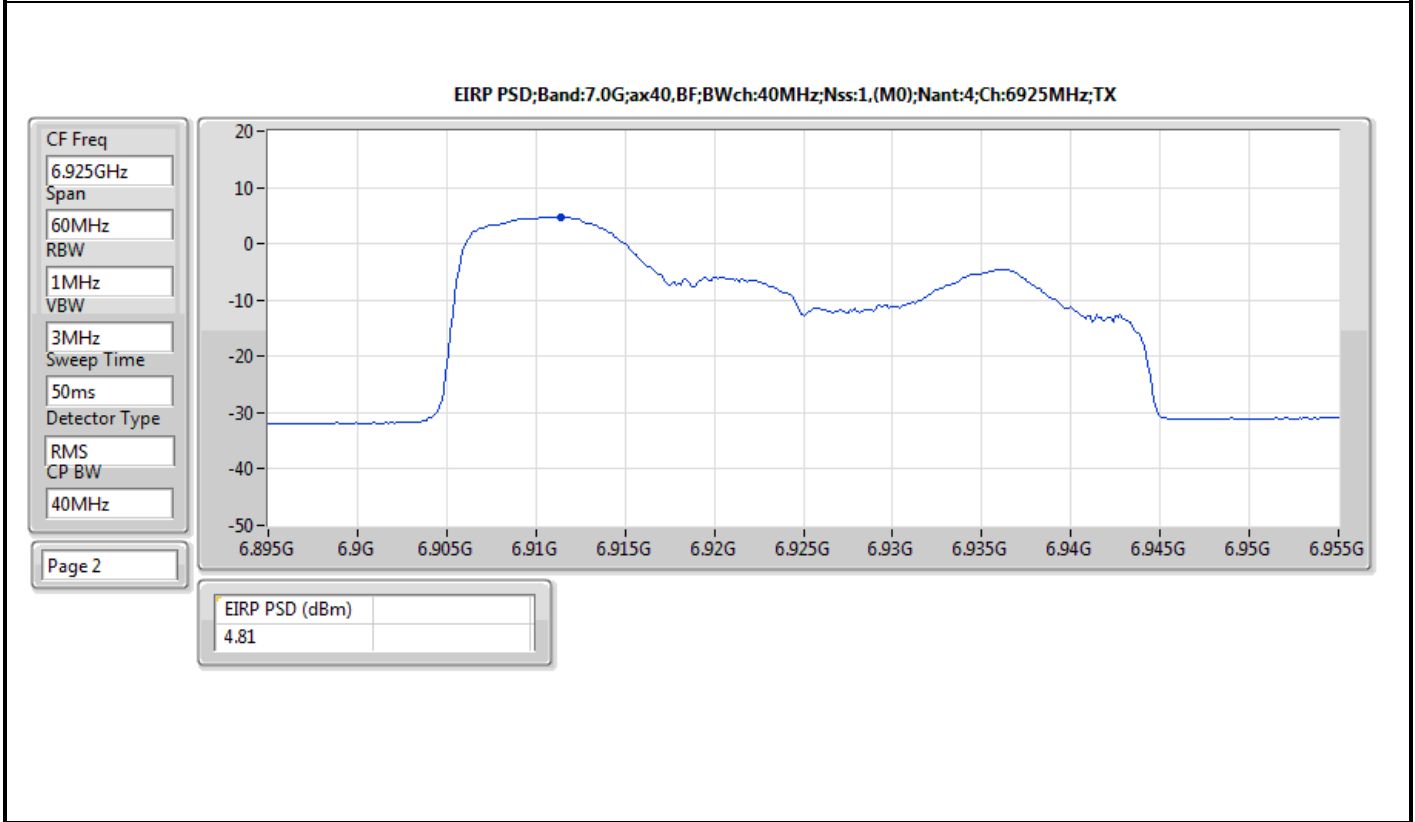
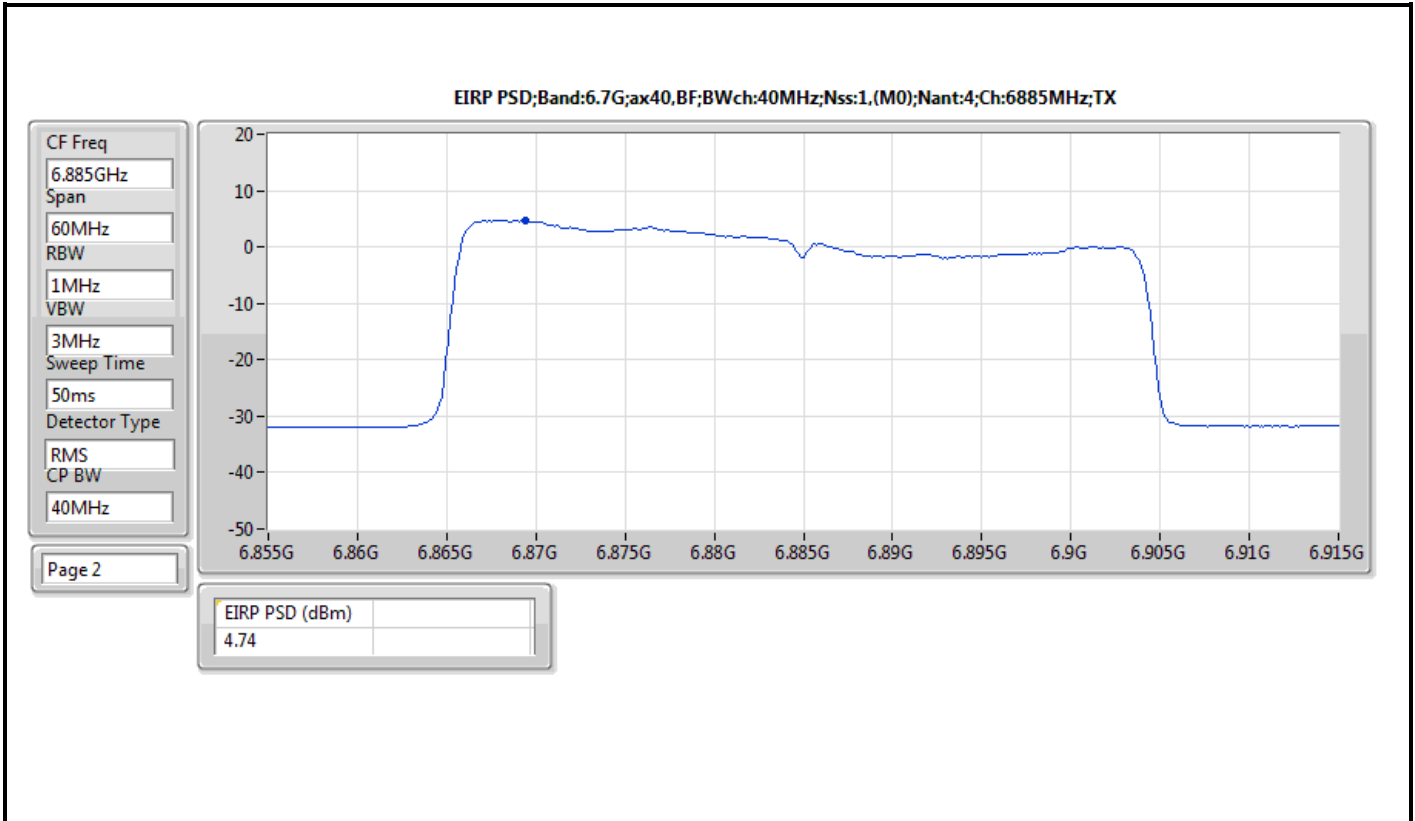


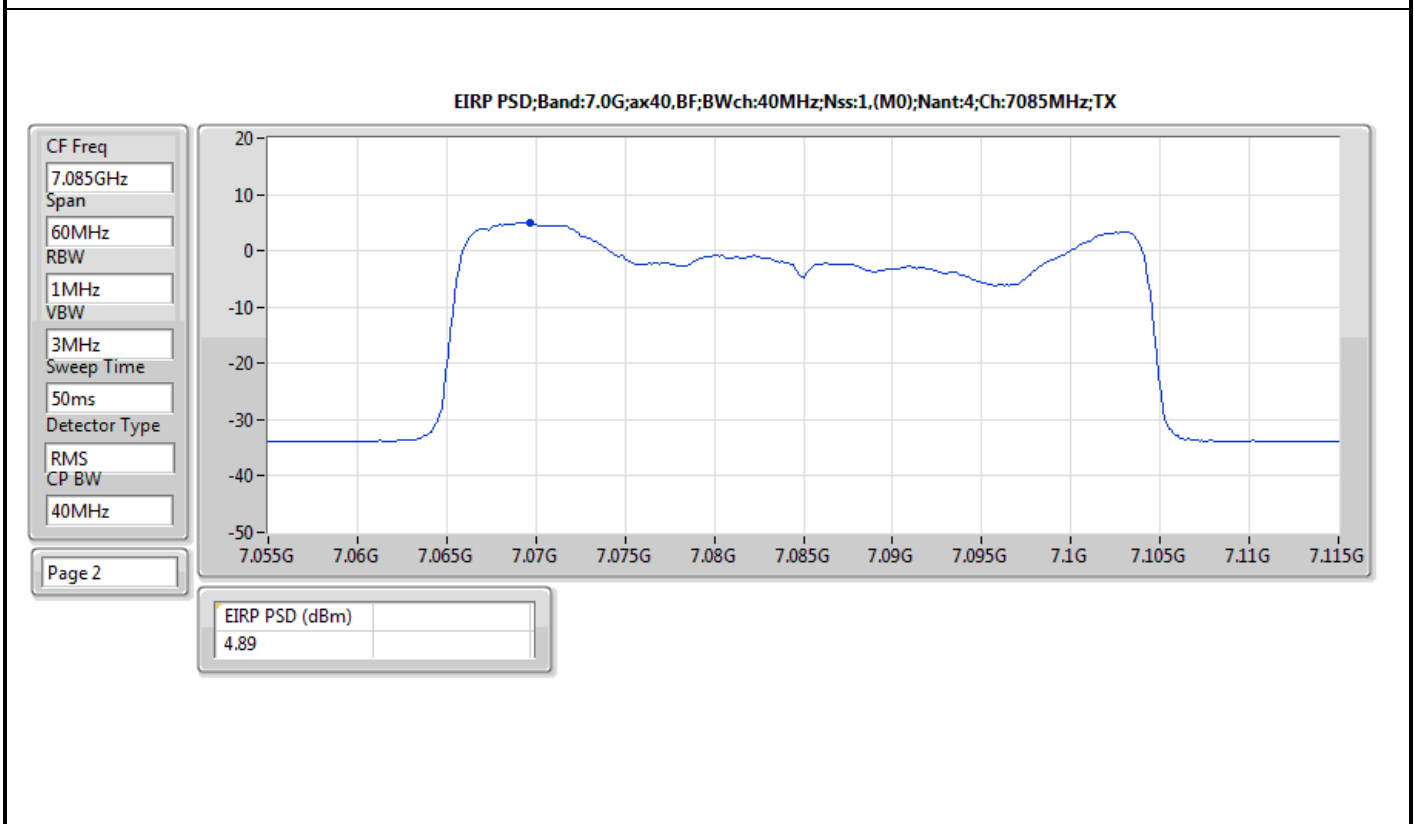
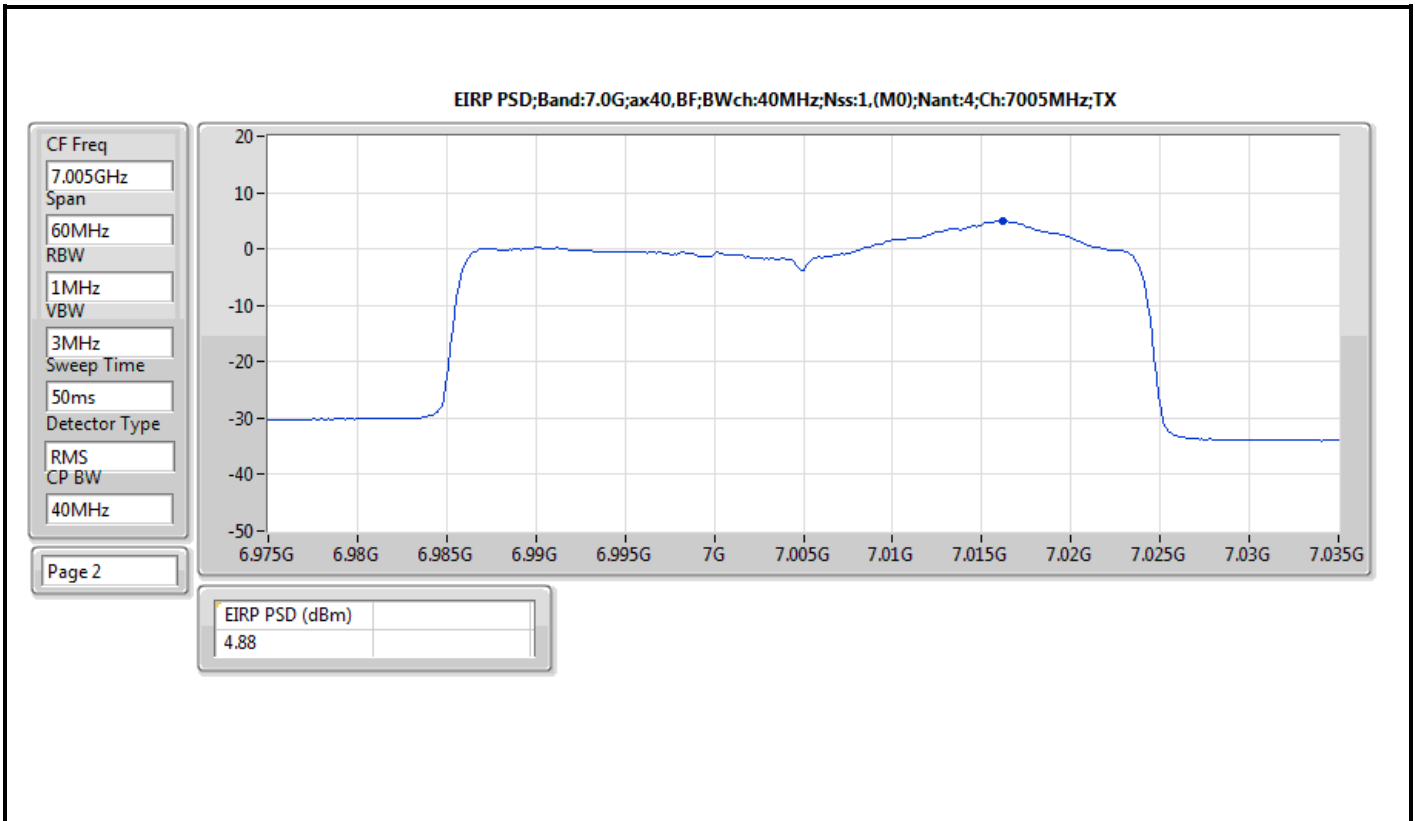


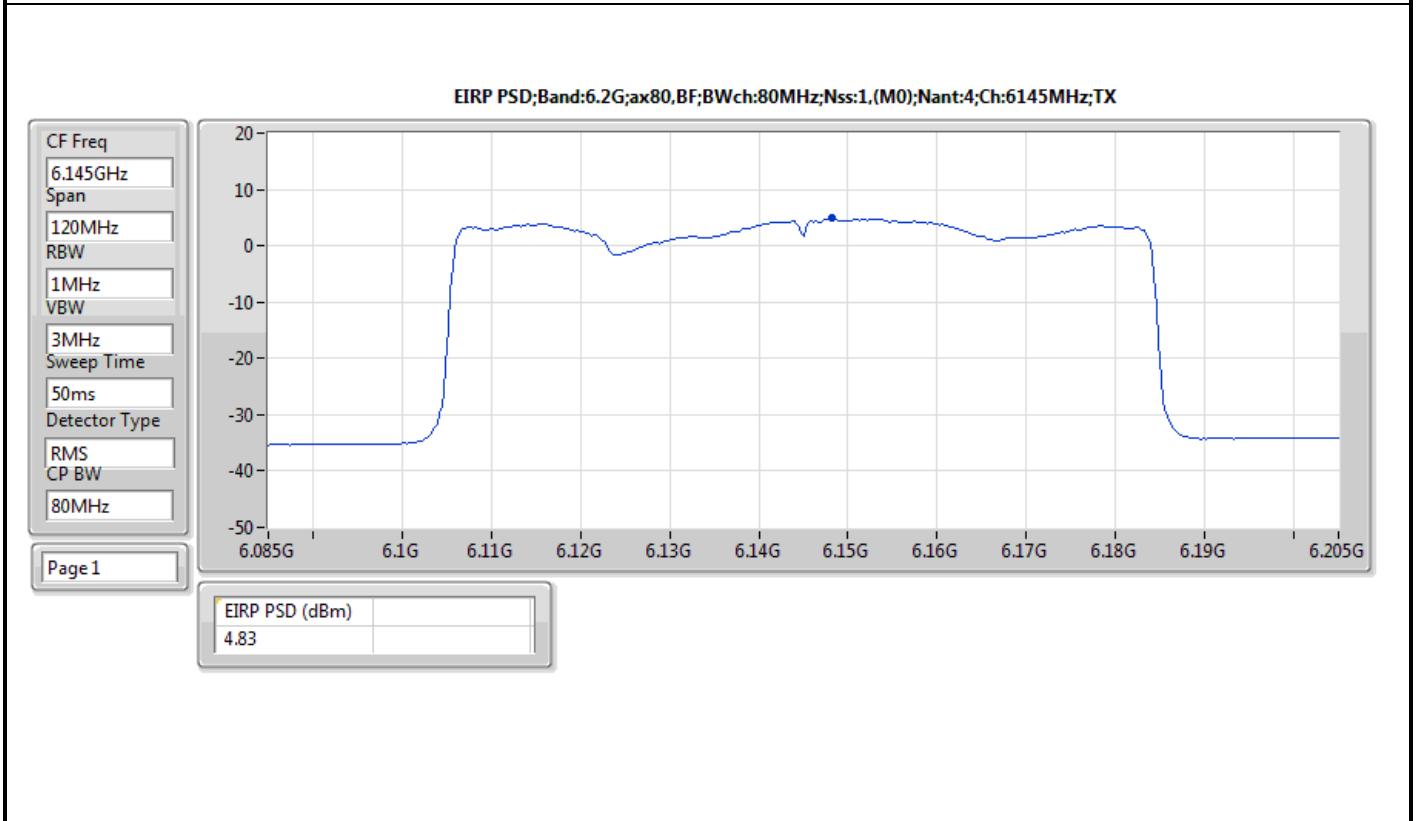
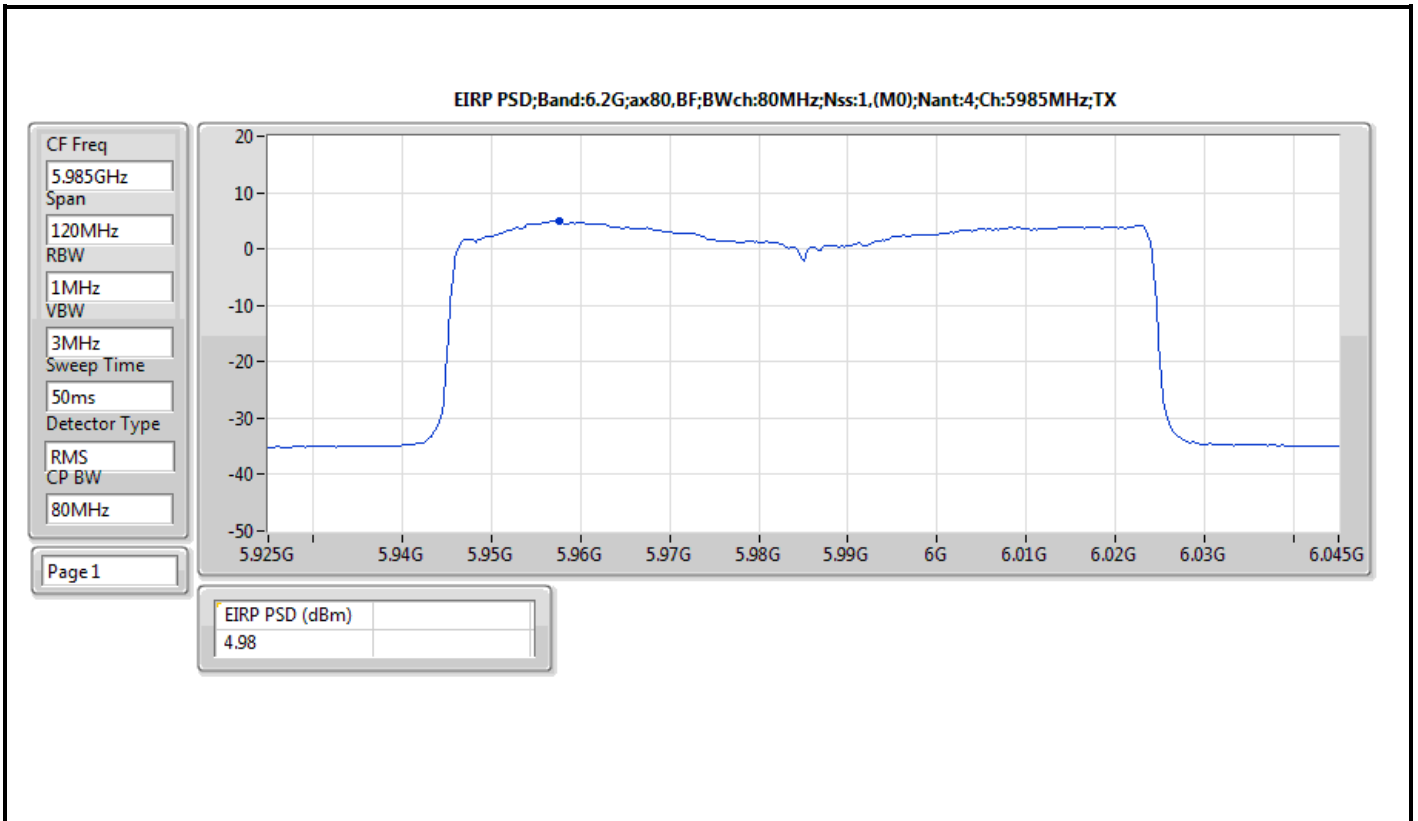


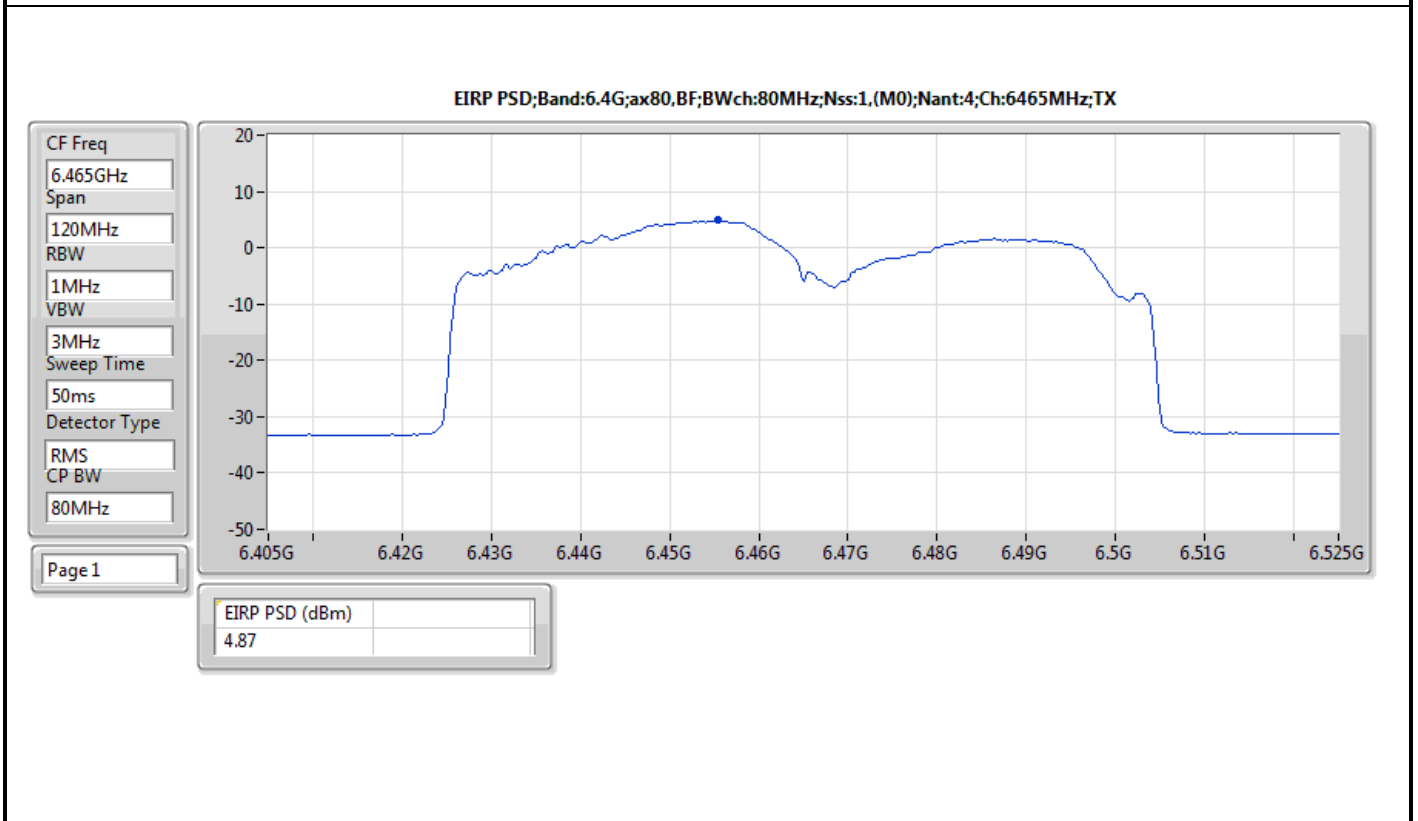
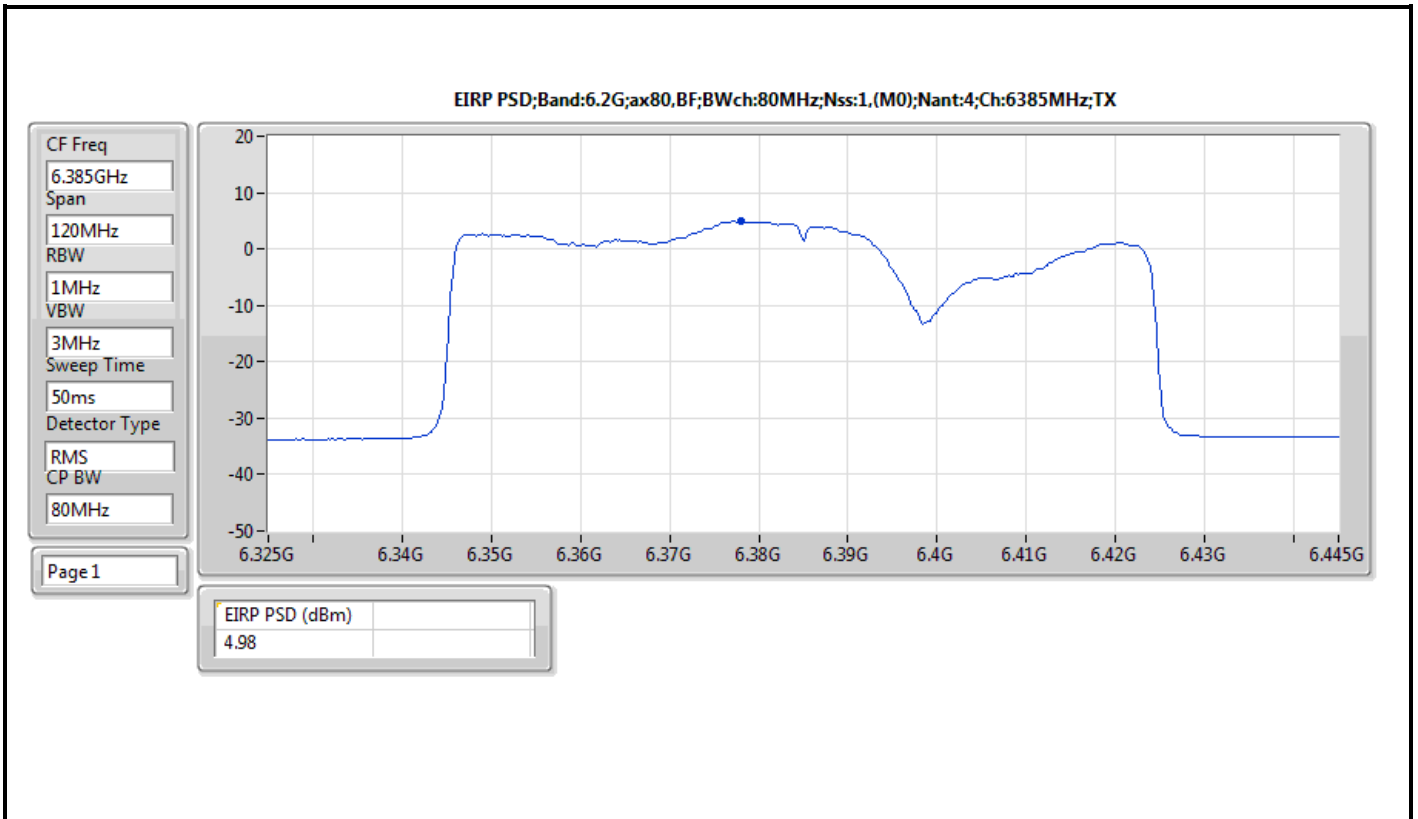


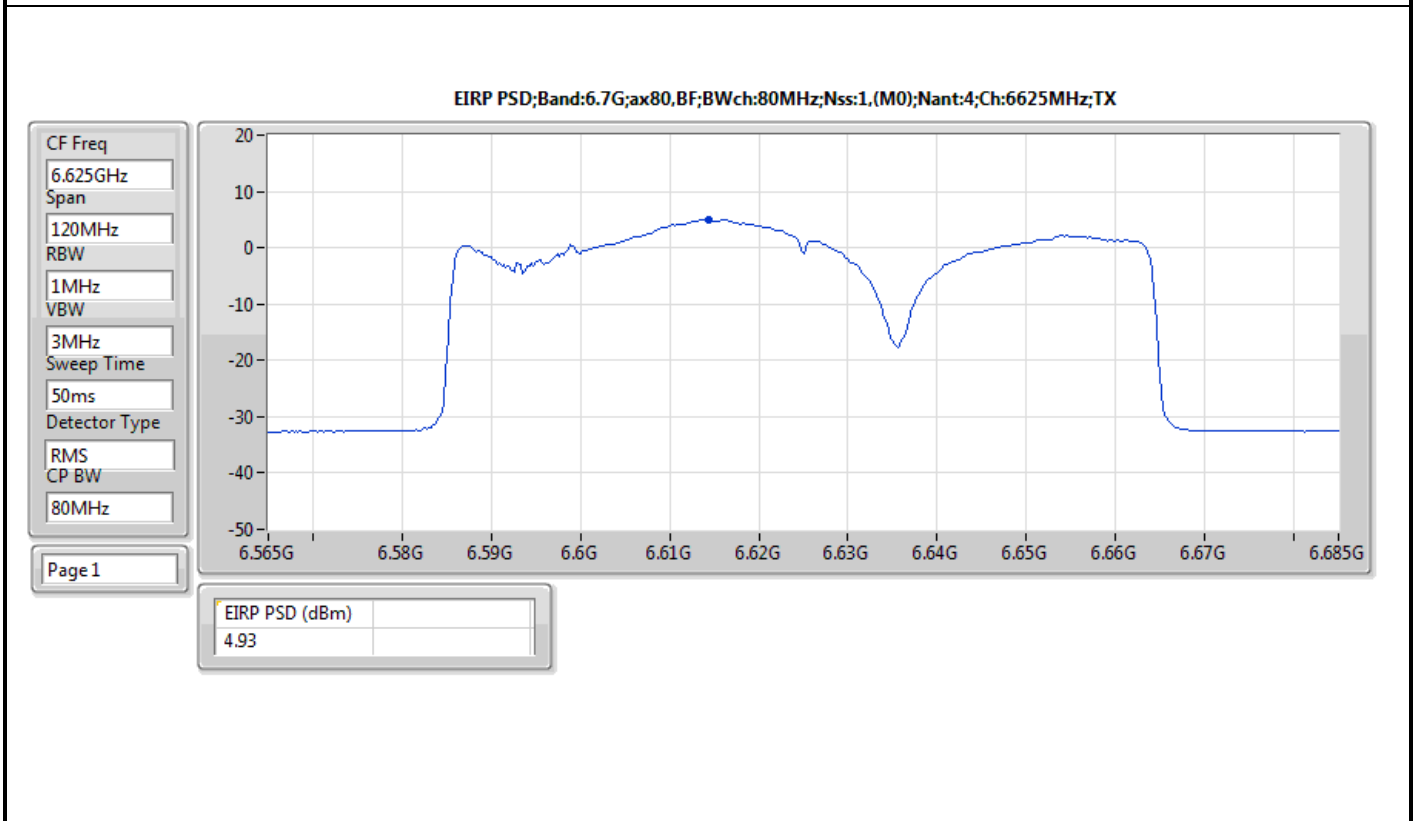
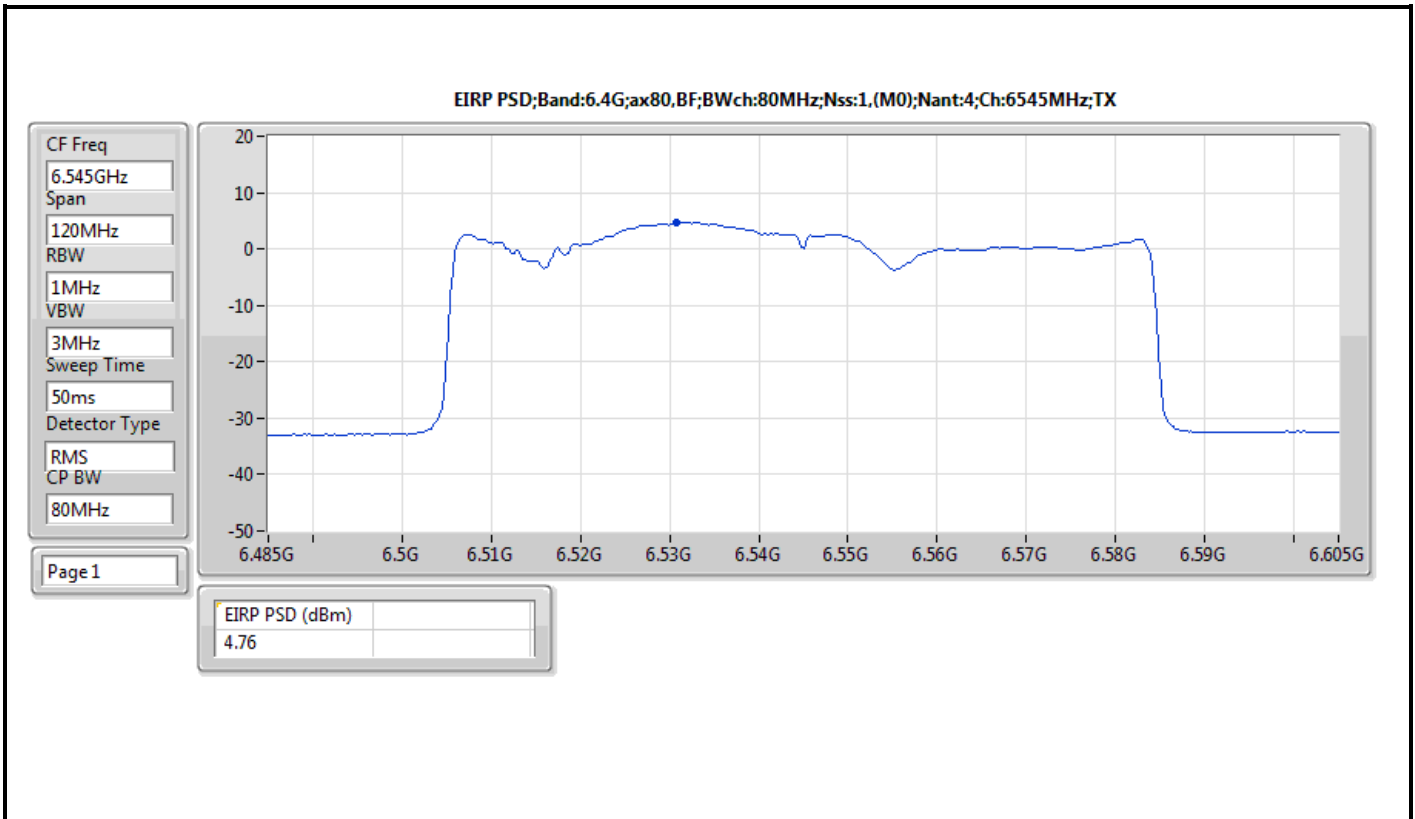


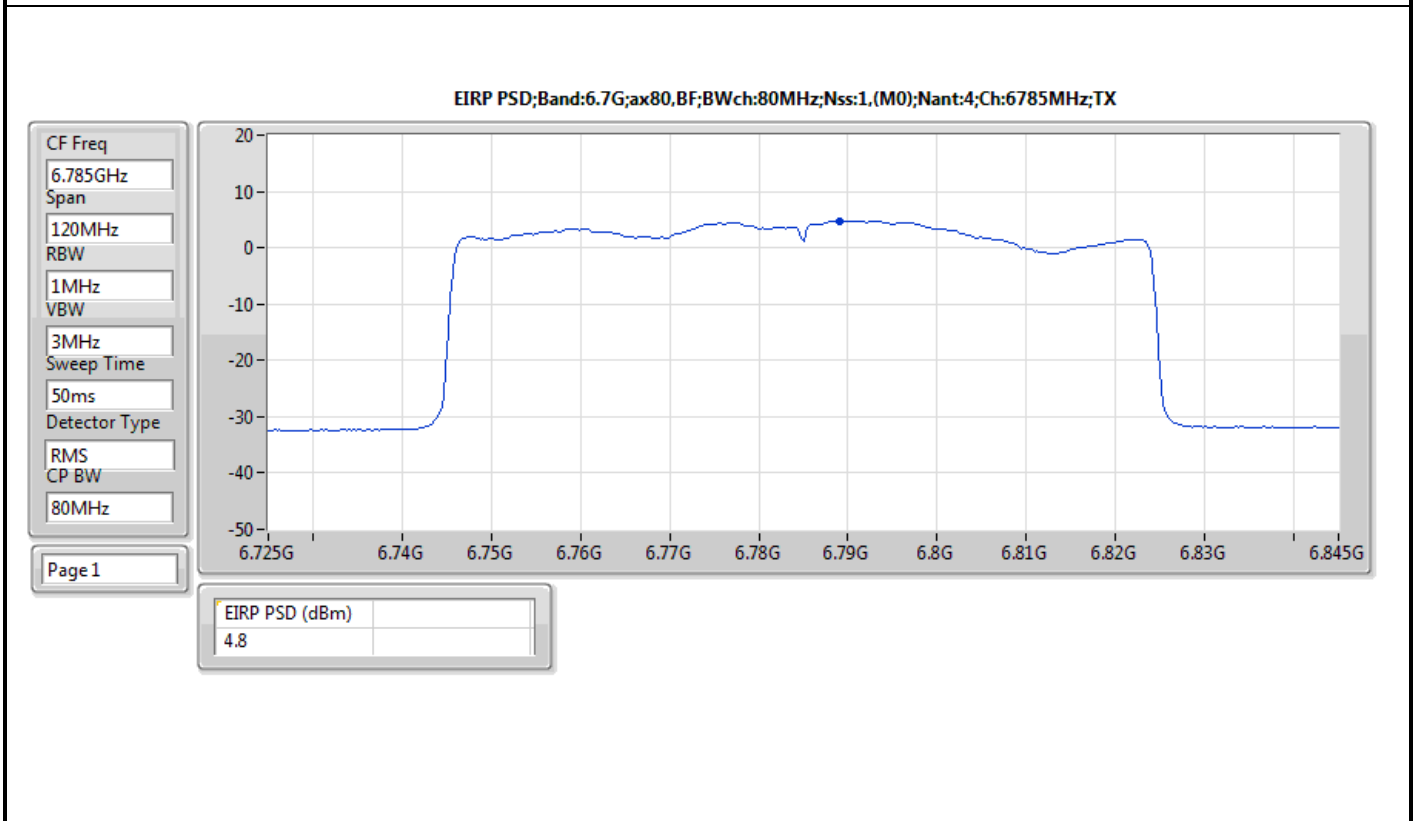
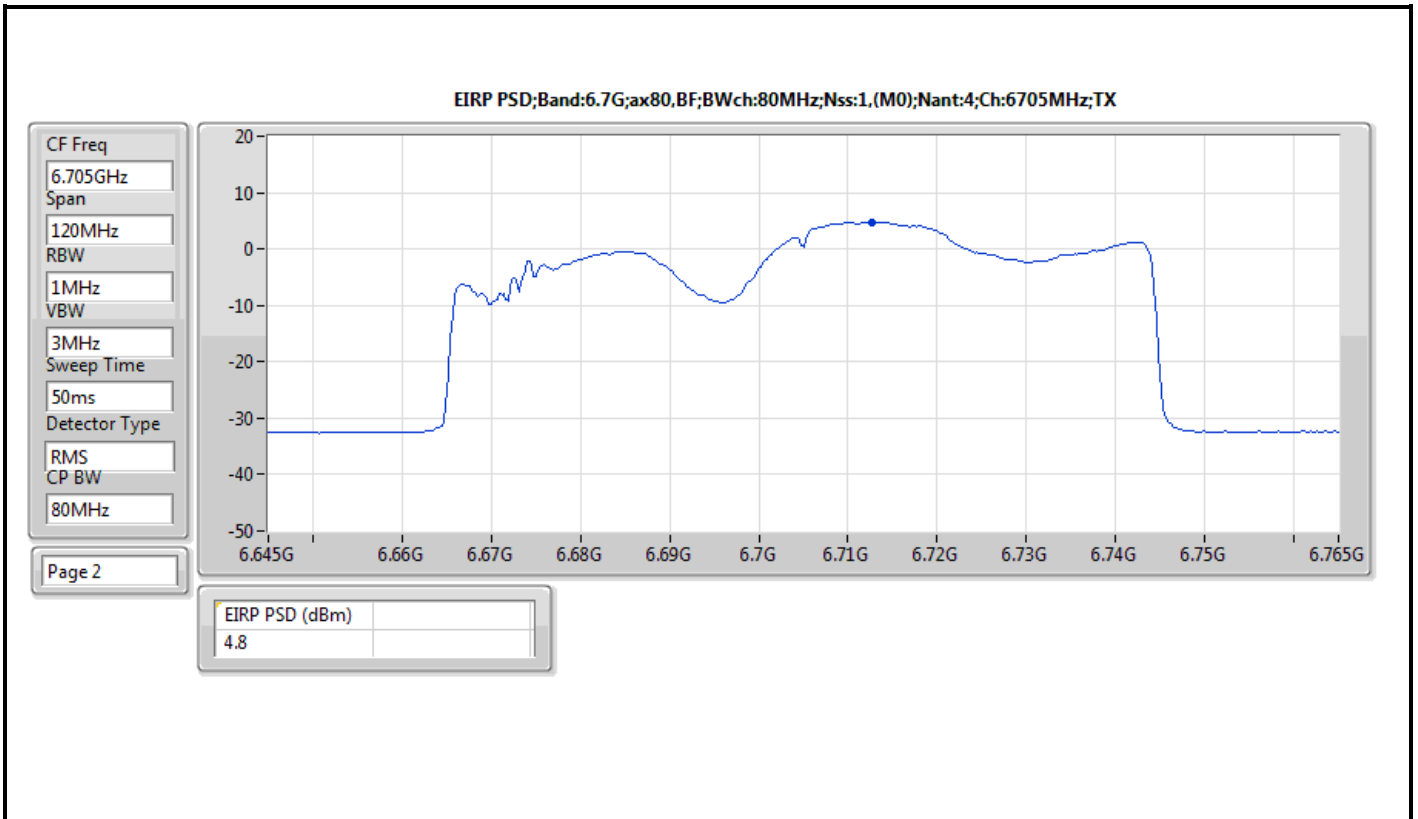


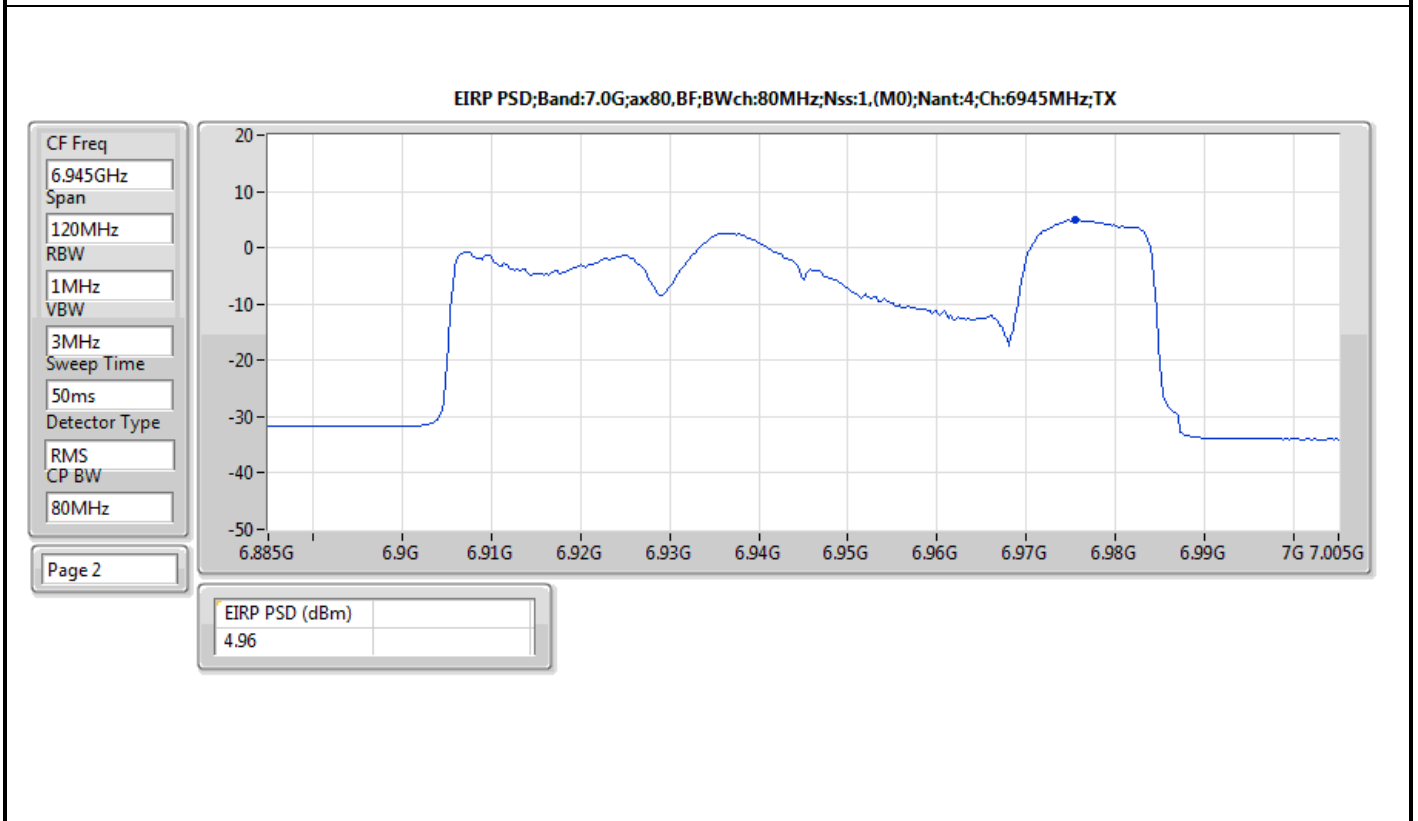
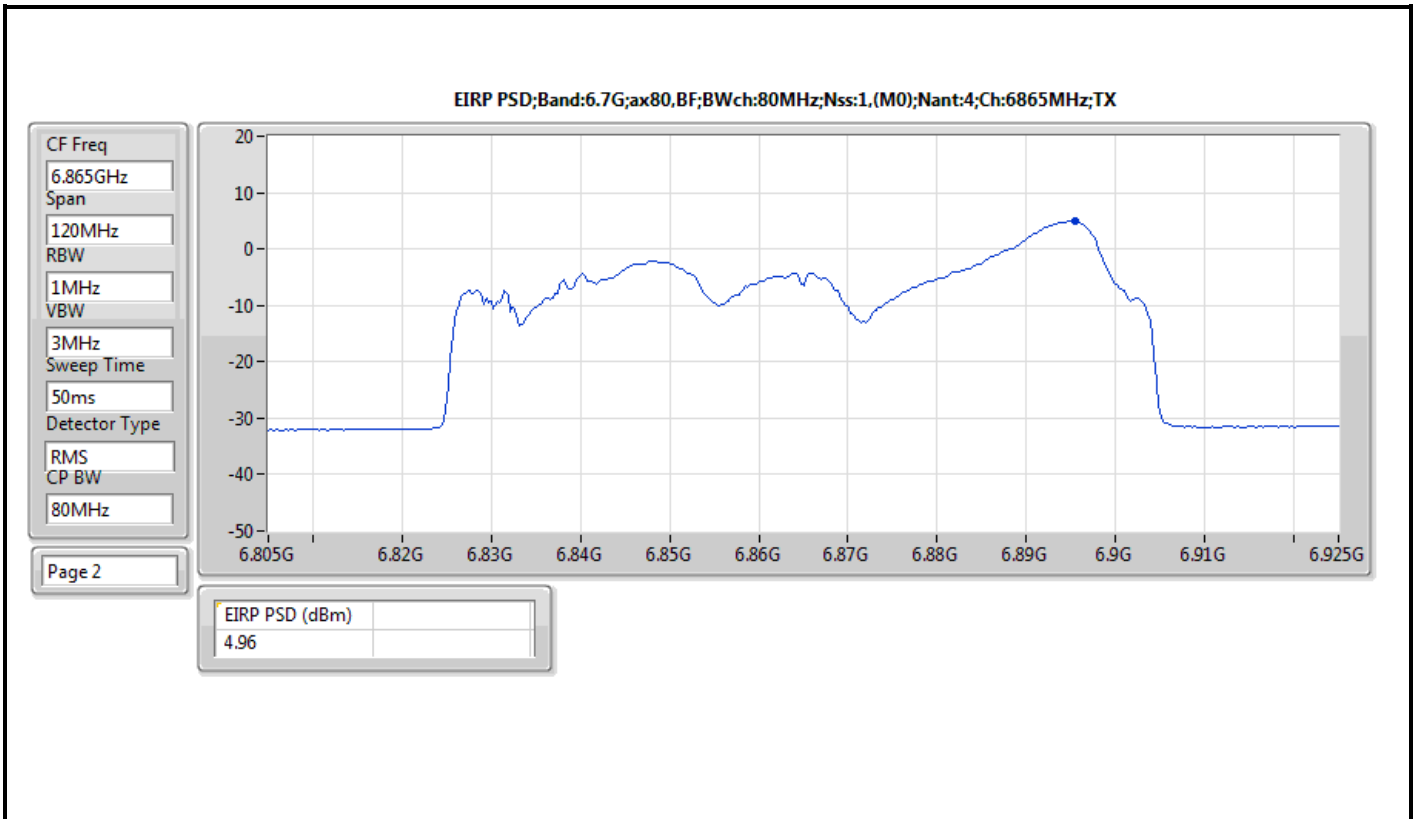


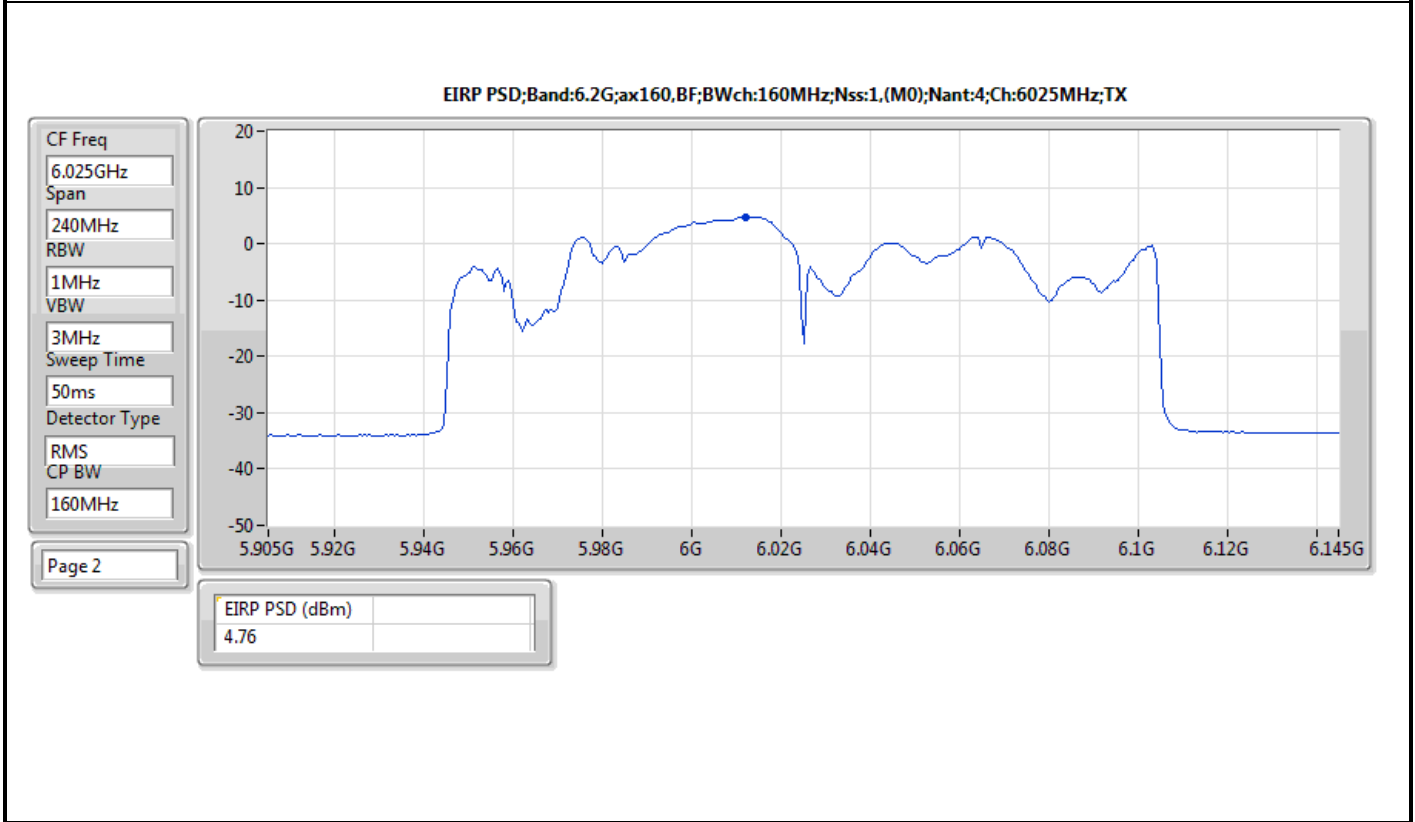
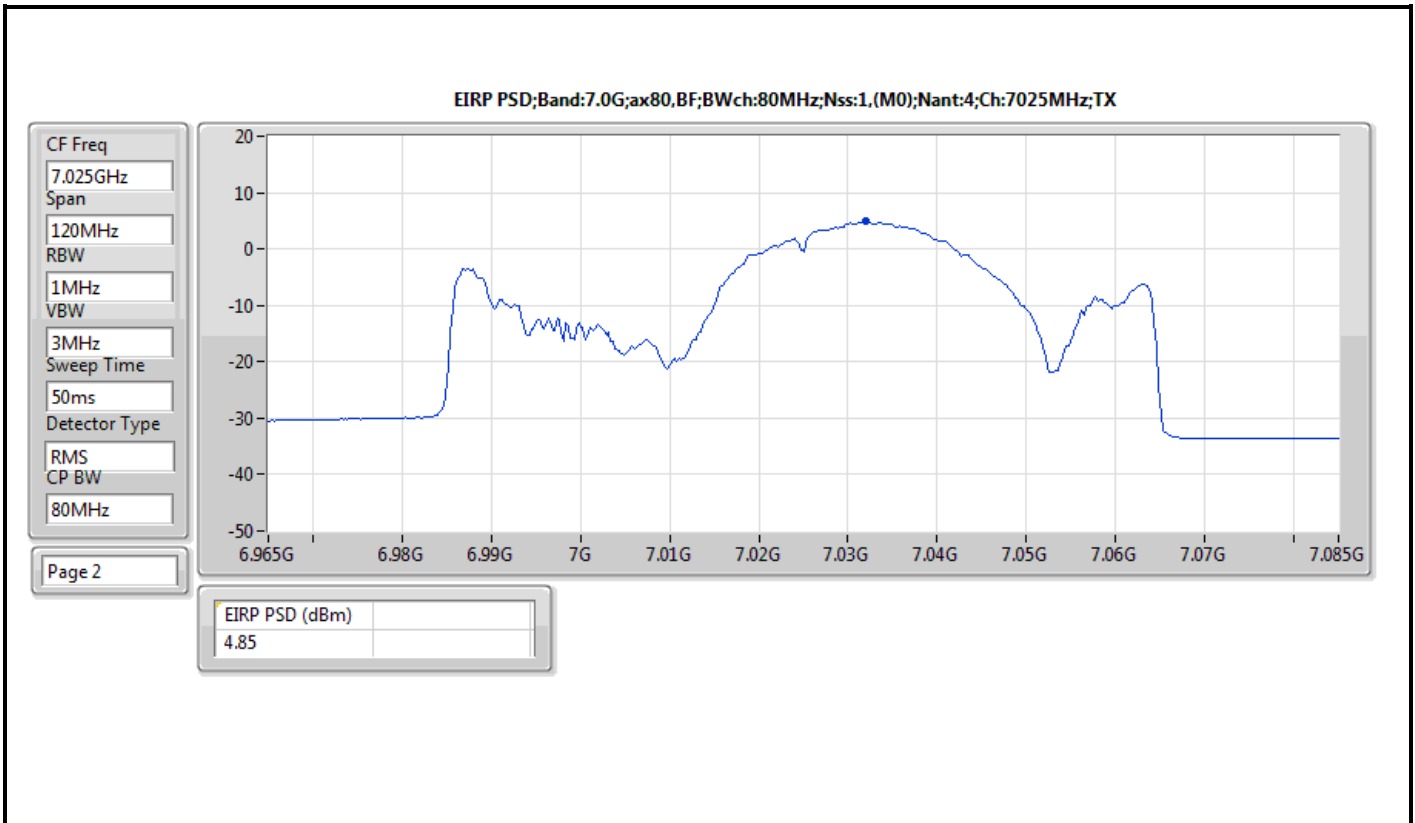


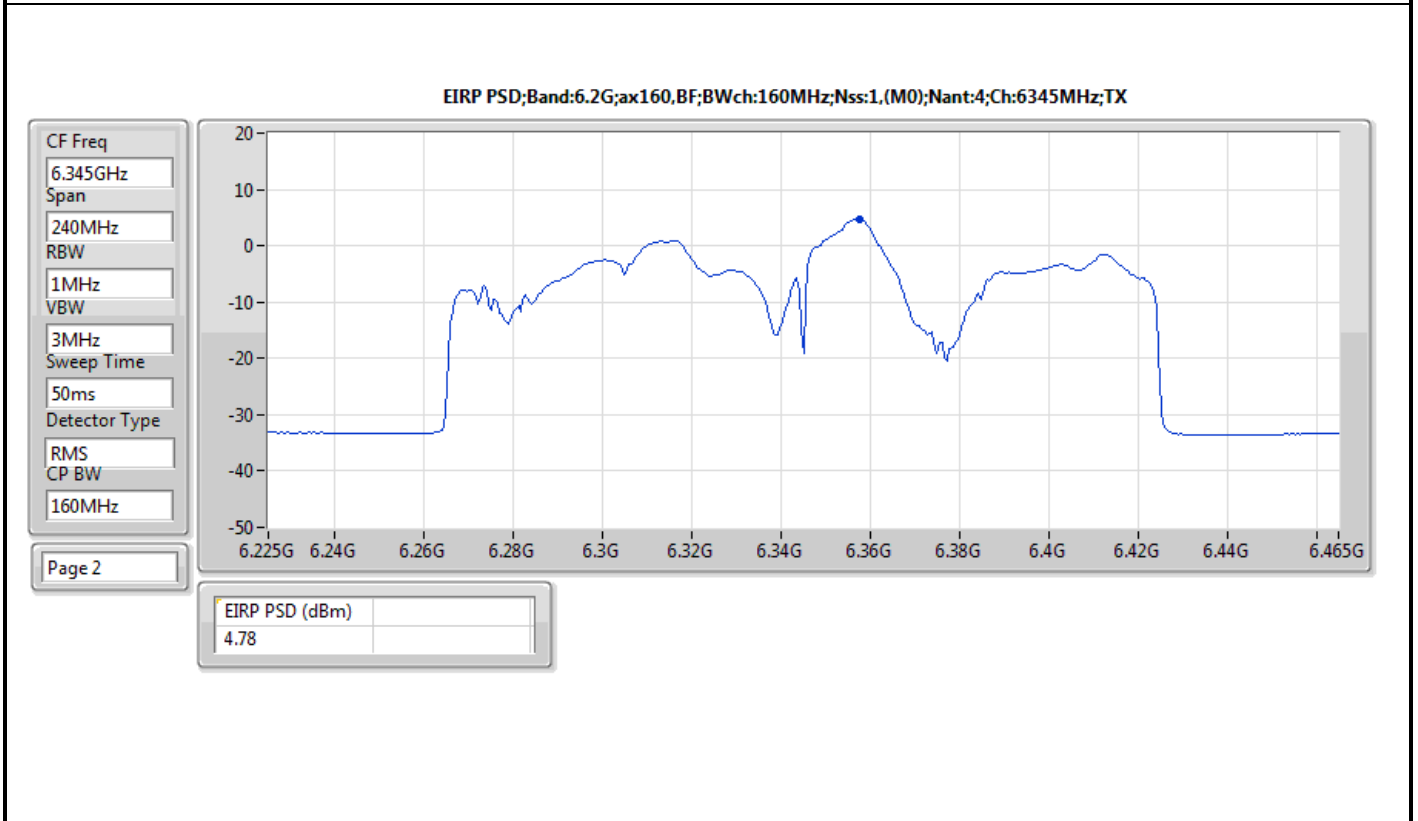
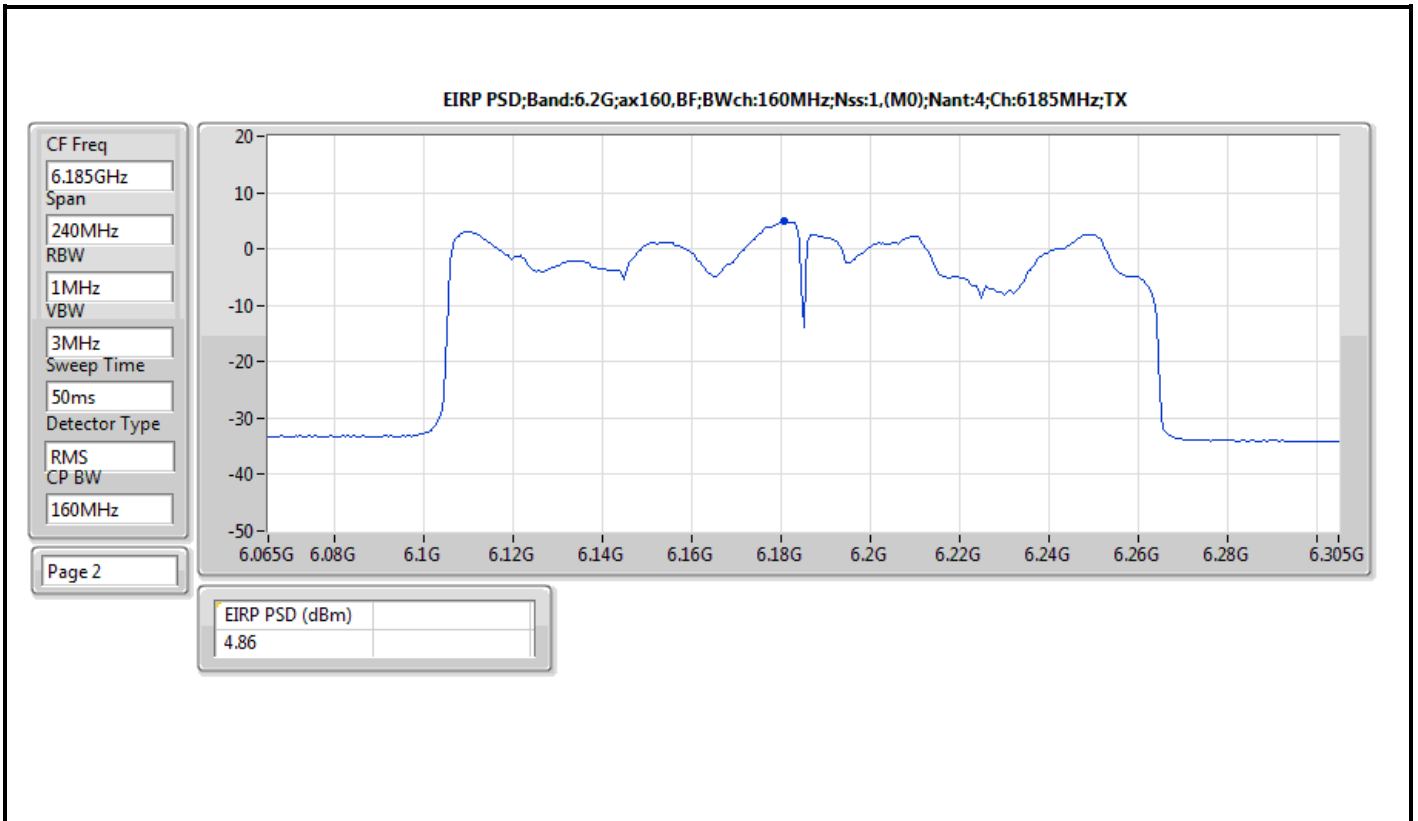


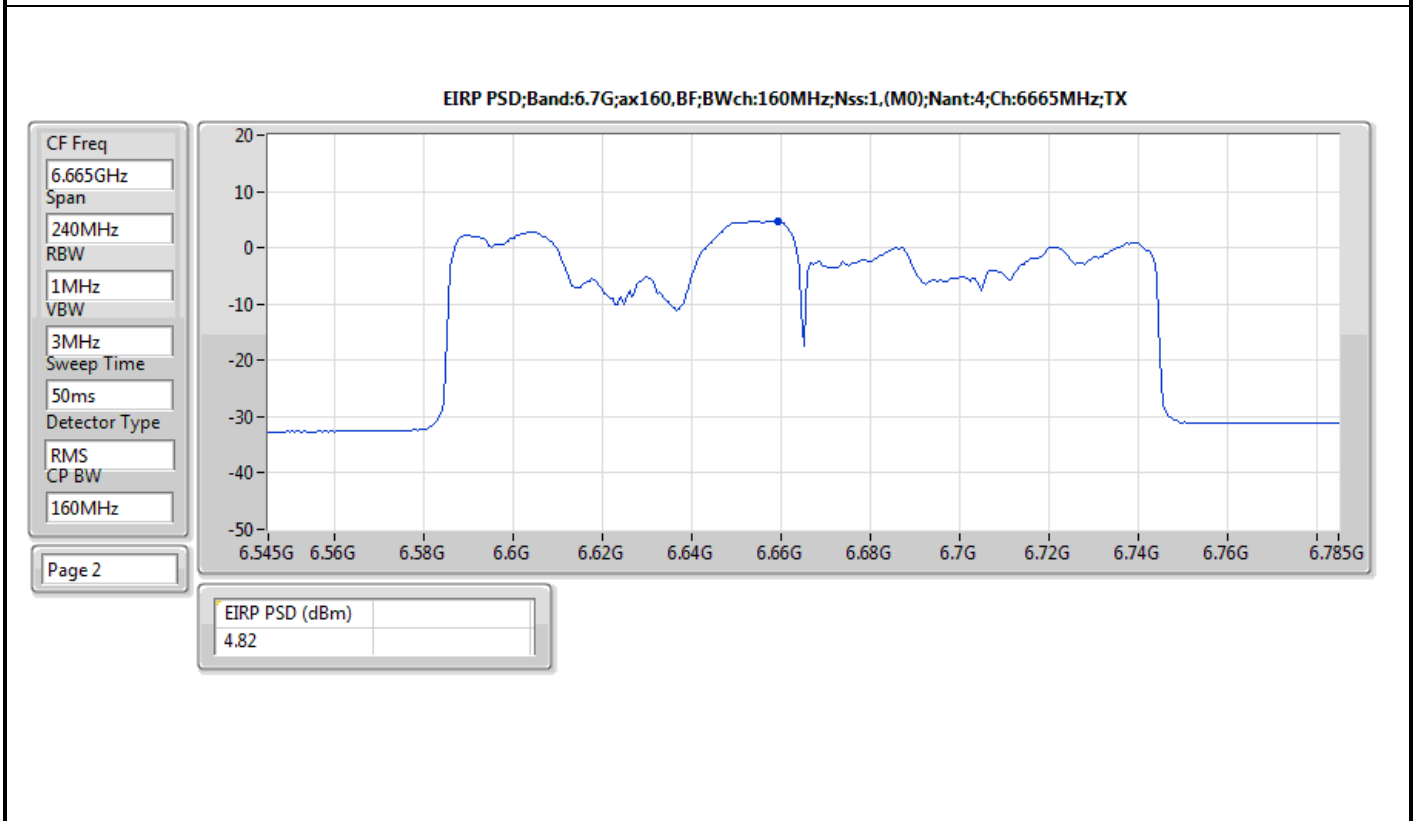
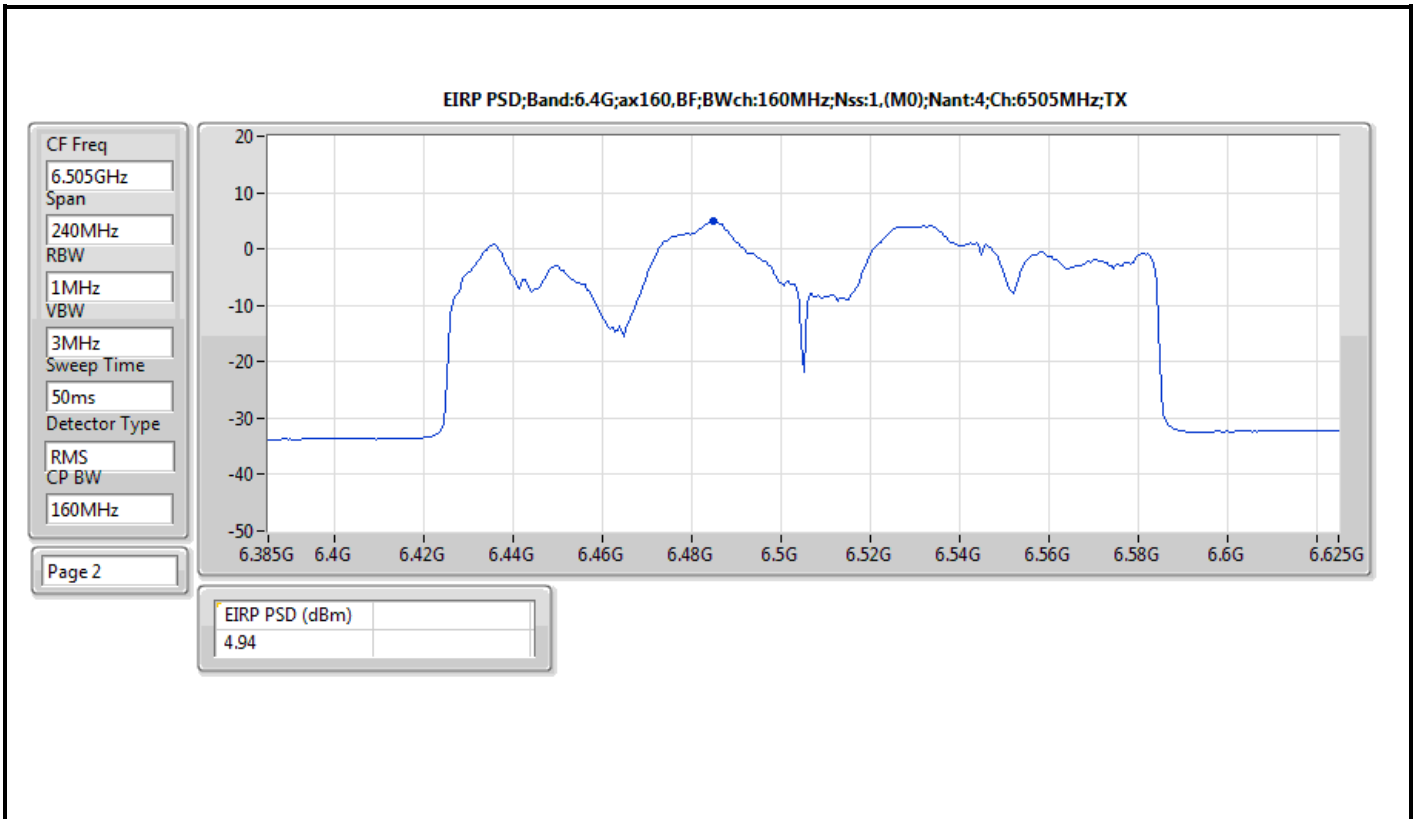


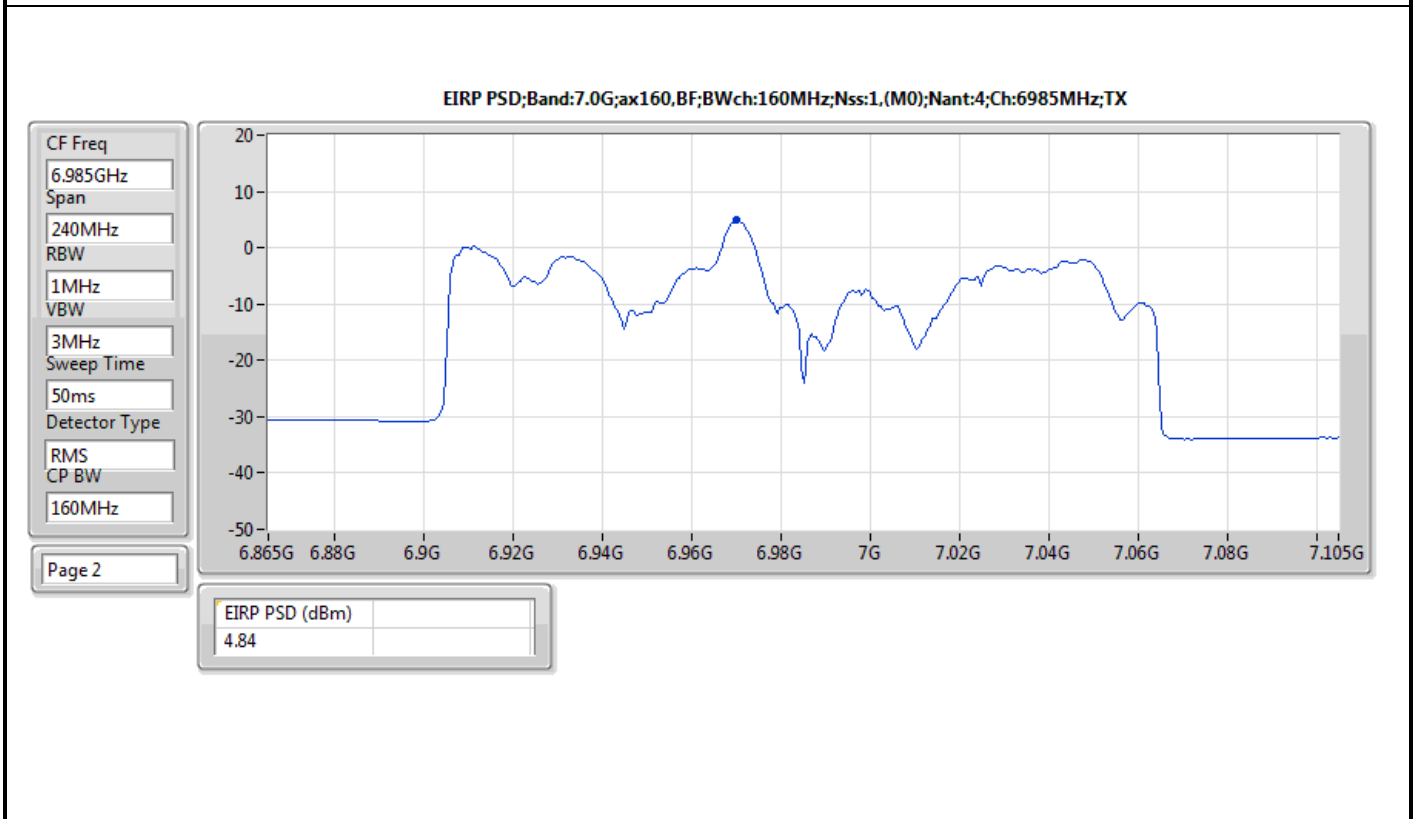
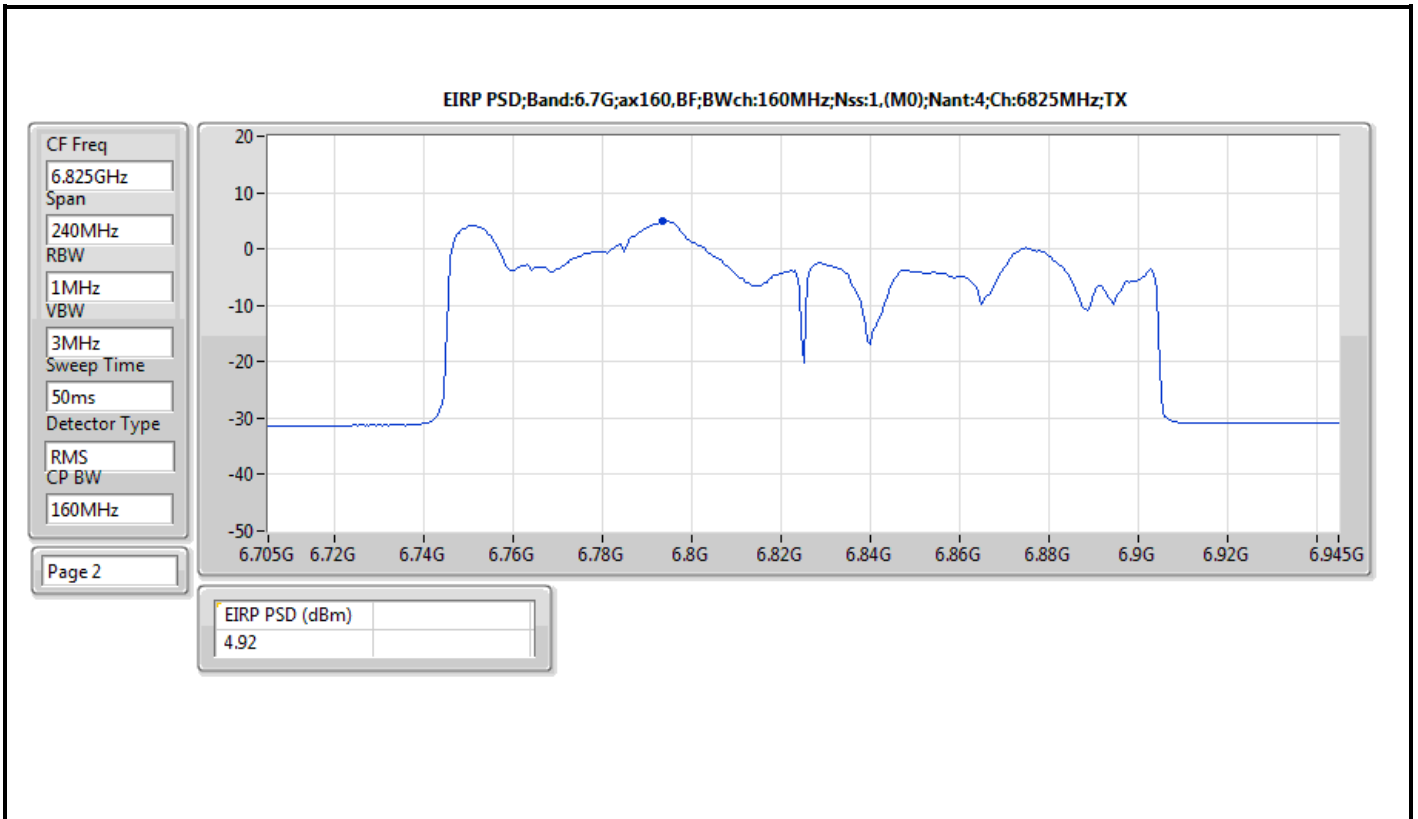










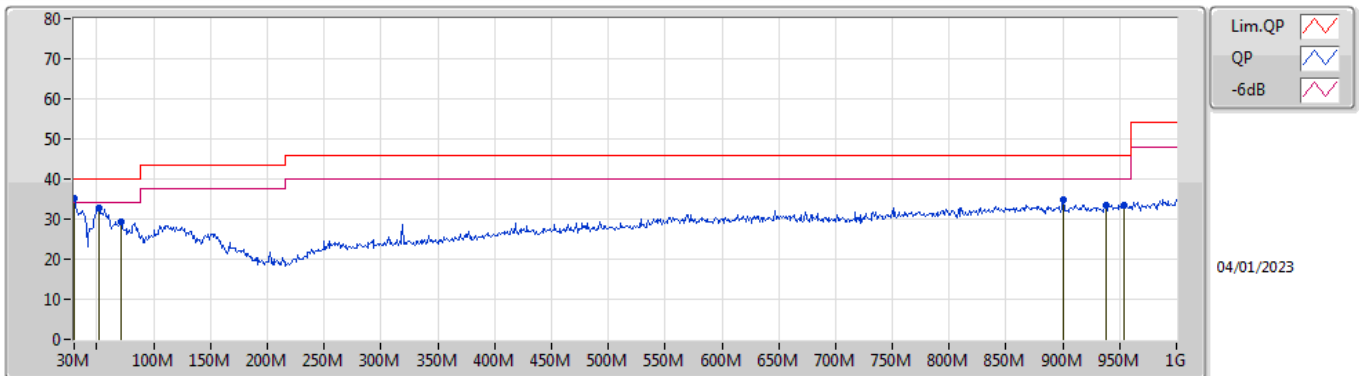




Summary

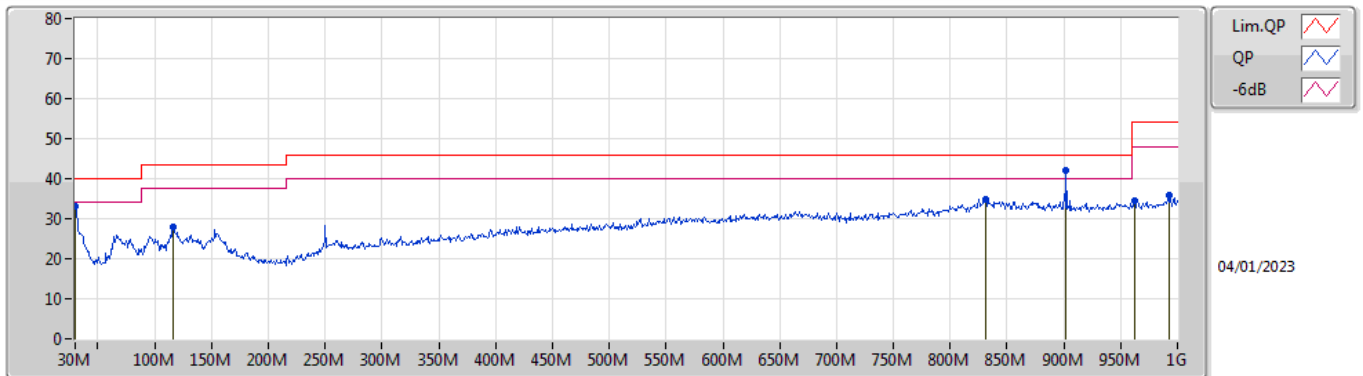
Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Condition
Mode 2	Pass	PK	902.03M	41.91	46.00	-4.09	Horizontal

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	35.21	40.00	-4.79	-2.53	3	Vertical	0	3.00	"Worst"	37.74	25.20	0.74	28.47
PK	52.31M	32.81	40.00	-7.19	-14.23	3	Vertical	74	1.25	-	47.04	13.30	0.95	28.48
PK	71.71M	29.26	40.00	-10.74	-15.03	3	Vertical	114	1.50	-	44.29	12.41	1.10	28.54
PK	900.09M	34.70	46.00	-11.30	1.74	3	Vertical	46	1.25	-	32.96	26.39	3.99	28.64
PK	937.92M	33.51	46.00	-12.49	2.15	3	Vertical	18	2.00	-	31.36	26.61	4.13	28.59
PK	954.41M	33.50	46.00	-12.50	2.44	3	Vertical	12	1.50	-	31.06	26.80	4.19	28.55

Mode 2



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	33.01	40.00	-6.99	-2.53	3	Horizontal	164	3.00	-	35.54	25.20	0.74	28.47
PK	116.33M	27.97	43.50	-15.53	-9.21	3	Horizontal	88	3.00	-	37.18	17.72	1.39	28.32
PK	831.22M	34.83	46.00	-11.17	1.03	3	Horizontal	238	1.00	-	33.80	26.05	3.86	28.88
PK	902.03M	41.91	46.00	-4.09	1.75	3	Horizontal	127	3.00	"Worst"	40.16	26.39	4.00	28.64
PK	962.17M	34.55	54.00	-19.45	2.56	3	Horizontal	63	3.00	-	31.99	26.86	4.20	28.50
PK	992.24M	35.98	54.00	-18.02	3.10	3	Horizontal	147	3.00	-	32.88	27.13	4.26	28.29

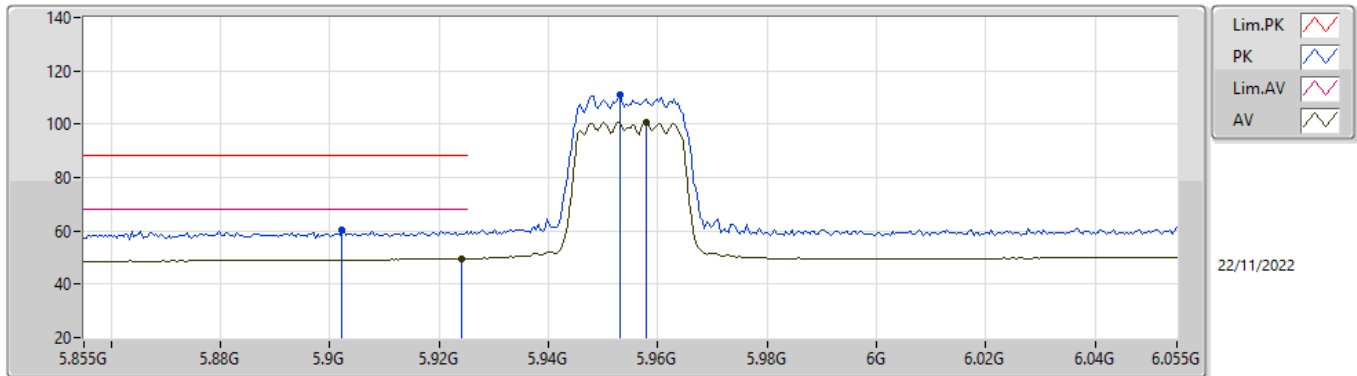


Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
5.925-6.425GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW160_Nss1,(MCS0)_4TX	Pass	AV	18.5548G	60.44	63.54	-3.10	1	Horizontal	204	1.55	-

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

5955MHz_TX

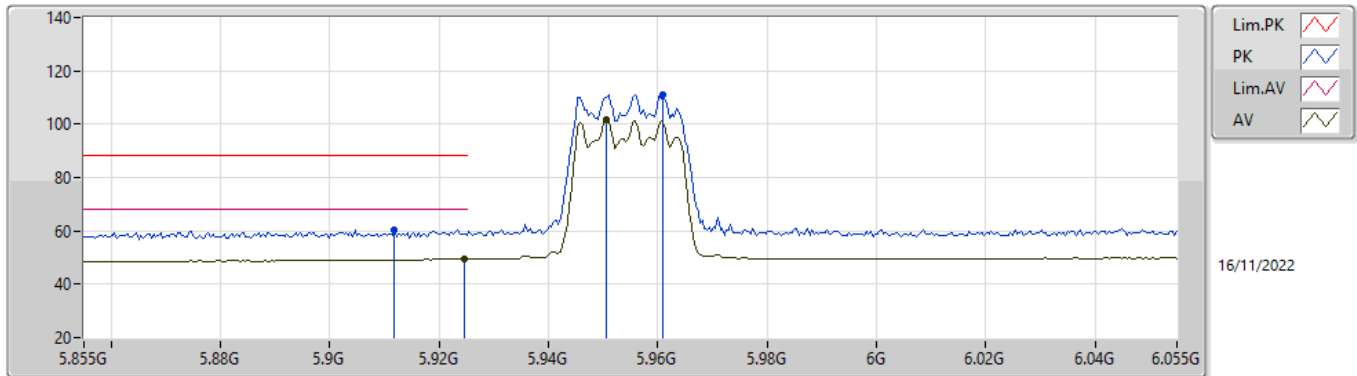


EUTY_4TX
 Setting 40
 03-C-E-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.9022G	60.13	88.20	-28.07	53.22	3	Vertical	143	2.40	-	34.61	7.25	34.95
RMS	5.9242G	49.70	68.20	-18.50	42.69	3	Vertical	143	2.40	-	34.70	7.26	34.95
PK	5.953G	111.01	Inf	-Inf	103.89	3	Vertical	143	2.40	-	34.80	7.28	34.96
RMS	5.9578G	100.67	Inf	-Inf	93.55	3	Vertical	143	2.40	-	34.80	7.28	34.96

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

5955MHz_TX

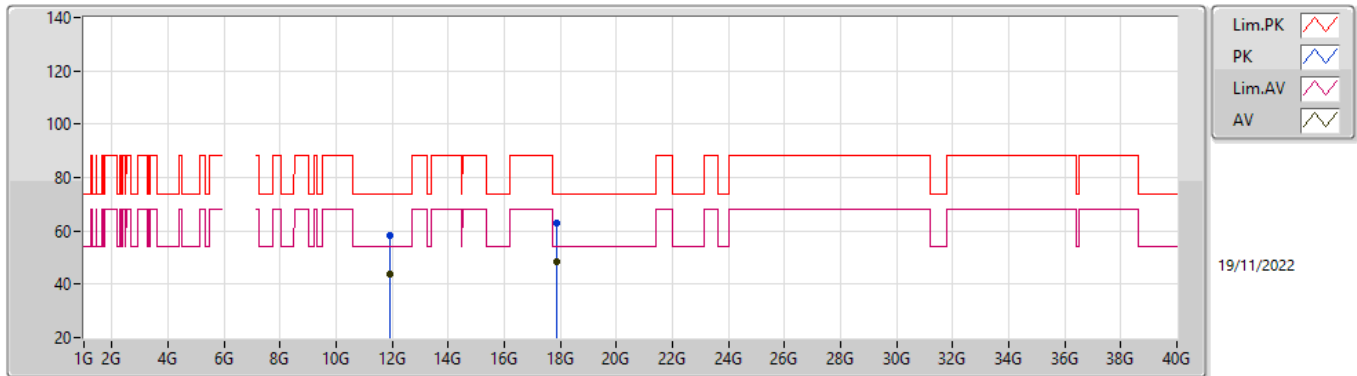


EUTY_4TX
 Setting 40
 03-C-E-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.9118G	60.39	88.20	-27.81	53.43	3	Horizontal	135	1.54	-	34.65	7.26	34.95
RMS	5.9246G	49.47	68.20	-18.73	42.46	3	Horizontal	135	1.54	-	34.70	7.26	34.95
PK	5.961G	111.08	Inf	-Inf	103.96	3	Horizontal	135	1.54	-	34.80	7.28	34.96
RMS	5.9506G	101.74	Inf	-Inf	94.62	3	Horizontal	135	1.54	-	34.80	7.28	34.96

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

5955MHz_TX

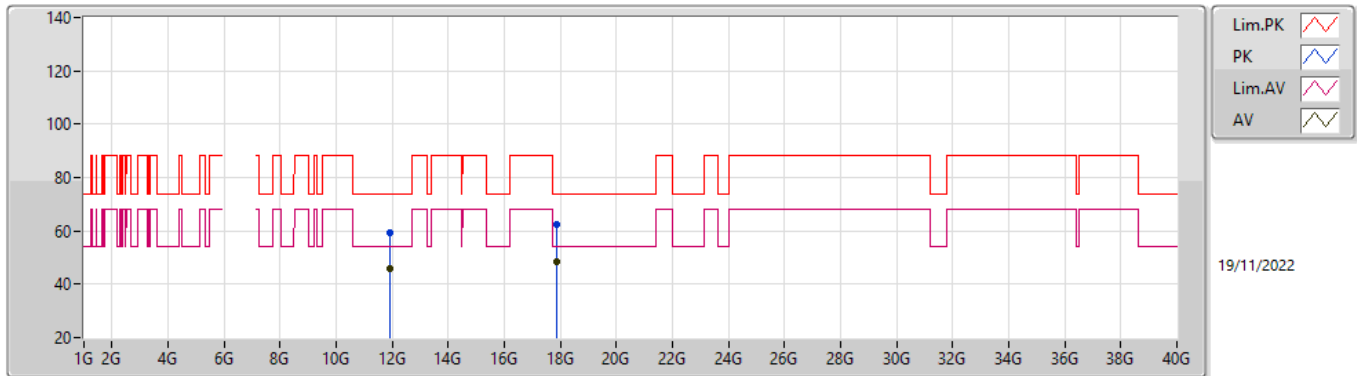


EUTY_4TX
Setting 40
03-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.89584G	58.33	74.00	-15.67	48.83	3	Vertical	189	1.80	-	39.21	13.04	42.75
AV	11.91072G	44.04	54.00	-9.96	34.54	3	Vertical	189	1.80	-	39.20	13.05	42.75
PK	17.86002G	63.08	74.00	-10.92	47.30	3	Vertical	69	1.80	-	46.52	11.15	41.89
AV	17.86968G	48.30	54.00	-5.70	32.50	3	Vertical	69	1.80	-	46.54	11.15	41.89

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

5955MHz_TX

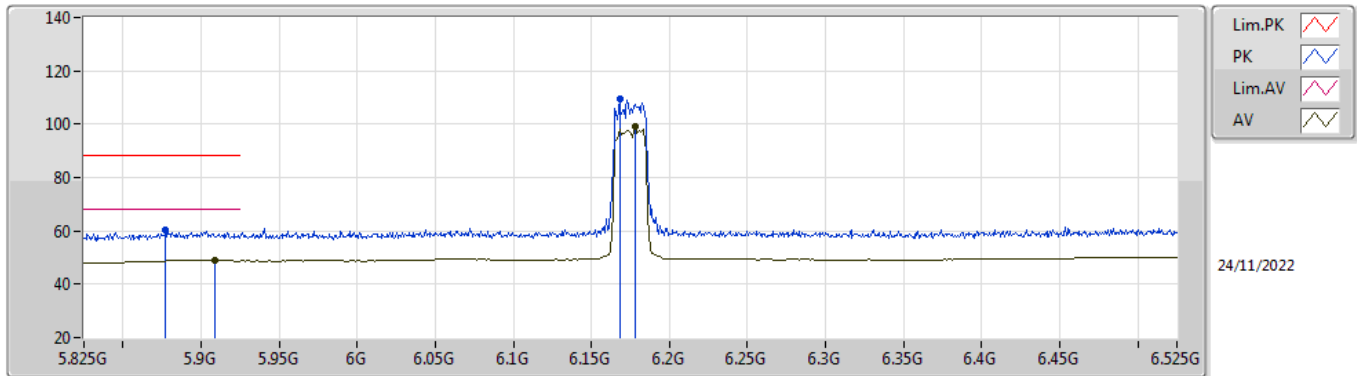


EUTY_4TX
 Setting 40
 03-P-E-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	11.90952G	59.16	74.00	-14.84	49.66	3	Horizontal	130	2.02	-	39.20	13.05	42.75
AV	11.90988G	45.81	54.00	-8.19	36.31	3	Horizontal	130	2.02	-	39.20	13.05	42.75
PK	17.87118G	62.26	74.00	-11.74	46.46	3	Horizontal	285	1.80	-	46.54	11.15	41.89
AV	17.86848G	48.32	54.00	-5.68	32.52	3	Horizontal	285	1.80	-	46.54	11.15	41.89

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

6175MHz_TX

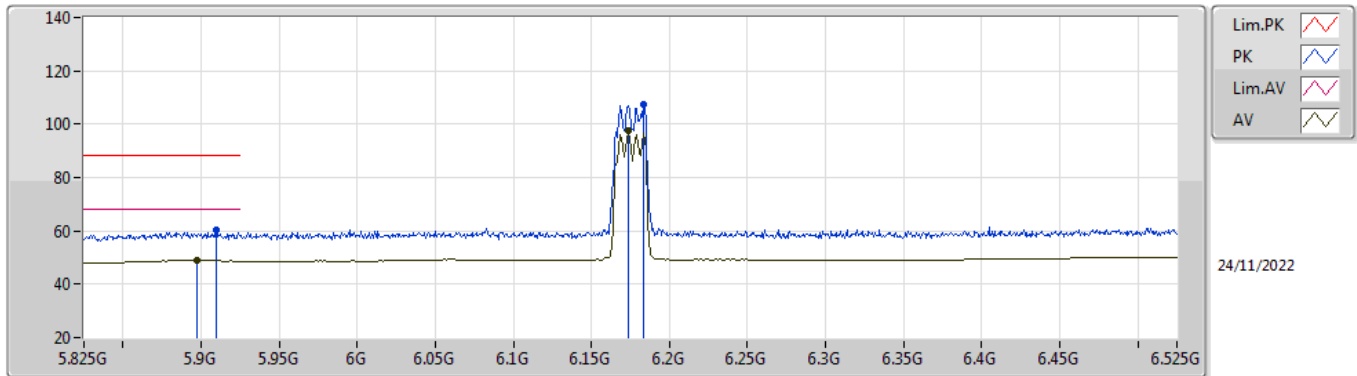


EUT_Y_4TX
 Setting 40
 06-H-P-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.8775G	60.14	88.20	-28.06	54.00	3	Vertical	153	2.51	-	32.46	6.06	32.38
RMS	5.909G	49.01	68.20	-19.19	42.73	3	Vertical	153	2.51	-	32.60	6.05	32.37
PK	6.168G	109.68	Inf	-Inf	103.32	3	Vertical	153	2.51	-	32.77	6.17	32.58
RMS	6.1778G	99.15	Inf	-Inf	92.76	3	Vertical	153	2.51	-	32.81	6.18	32.60

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

6175MHz_TX

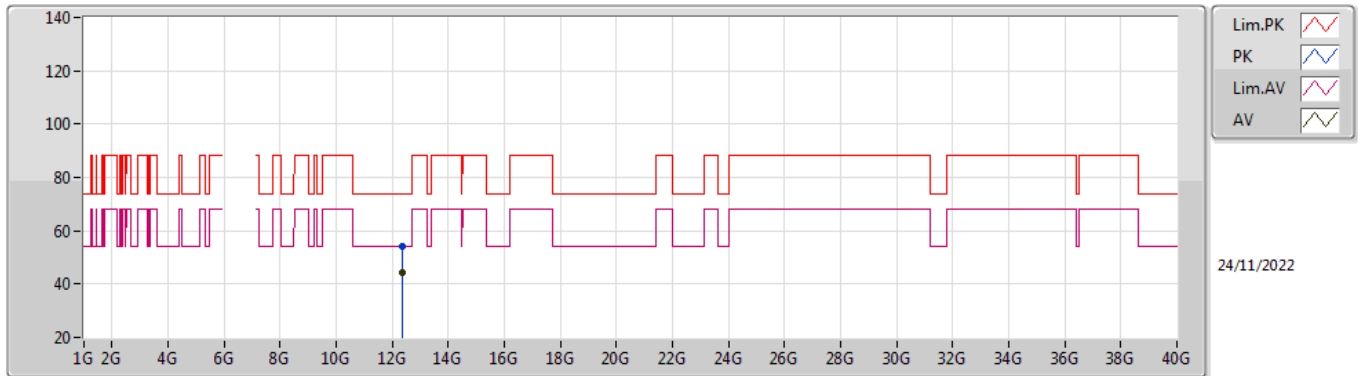


EUT_Y_4TX
 Setting 40
 06-H-P-5-10

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	5.9097G	60.52	88.20	-27.68	54.24	3	Horizontal	161	1.56	-	32.60	6.05	32.37
RMS	5.8978G	48.87	68.20	-19.33	42.60	3	Horizontal	161	1.56	-	32.59	6.05	32.37
PK	6.1834G	107.51	Inf	-Inf	101.10	3	Horizontal	161	1.56	-	32.83	6.18	32.60
RMS	6.1736G	97.51	Inf	-Inf	91.14	3	Horizontal	161	1.56	-	32.79	6.17	32.59

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

6175MHz_TX



EUT_Y_4TX
 Setting 40
 06-H-P-5

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Raw (dBuV)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	AF (dB)	CL (dB)	PA (dB)
PK	12.36194G	54.31	74.00	-19.69	41.15	3	Vertical	246	1.28	-	38.74	9.11	34.69
AV	12.35693G	44.18	54.00	-9.82	31.02	3	Vertical	246	1.28	-	38.74	9.11	34.69