

Testing Laboratory
3787

RADIO TEST REPORT

FCC ID : Z8H89FT0073

Equipment : XE3-4TN Outdoor Wi-Fi 6e 4x4 Access Point with SDR,
XE3-4TN Wi-Fi 6e 4x4 Access Point with SDR

Brand Name : Cambium Networks

Model Name : XE3-4T

Applicant : Cambium Networks Inc.
3800 Golf Road, Suite 360 Rolling Meadows, IL 60008,
USA

Manufacturer : LITE-ON Technology Corp. Networking Plant
5F, No. 101, Neihuan N. Rd., Nanzih Dist., Kaohsiung
City 811, Taiwan, R.O.C.

Standard : 47 CFR FCC Part 15.407

The product was received on Apr. 10, 2024, and testing was started from May 27, 2024 and completed on Aug. 26, 2024. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory

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



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	-
-	15.407(a)	Proper Power Adjustment	N/A	Non-Dual Client or non-Standard Client w/o test
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
-	15.407(d)	Contention-Based Protocol	N/A	Standard Power AP w/o test

Conformity Assessment Condition:

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

Disclaimer:

The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen

Report Producer: Wendy Pan



1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
5925-6425	ax (HEW20)	5955-6415	1-93 [24]
6525-6875		6535-6855	117-181 [17]
5925-6425	ax (HEW40)	5965-6405	3-91 [12]
6525-6875		6565-6845	123-179 [8]
5925-6425	ax (HEW80)	5985-6385	7-87 [6]
6525-6875		6625-6785	135-167 [3]
5925-6425	ax (HEW160)	6025-6345	15-79 [3]
6525-6875		6665	143 [1]

Band	Mode	BWch (MHz)	Nant
UNII 5 / UNII 7	ax (HEW20)	20	4
UNII 5 / UNII 7	ax (HEW20)-BF	20	4
UNII 5 / UNII 7	ax (HEW40)	40	4
UNII 5 / UNII 7	ax (HEW40)-BF	40	4
UNII 5 / UNII 7	ax (HEW80)	80	4
UNII 5 / UNII 7	ax (HEW80)-BF	80	4
UNII 5 / UNII 7	ax (HEW160)	160	4
UNII 5 / UNII 7	ax (HEW160)-BF	160	4

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

Set	Port						Brand Name	Part Name	Antenna Type	Connector	Gain (dBi)
	WLAN 2.4GHz (Radio 1)	WLAN 5GHz (Radio 2)	WLAN 5GHz (Radio 3)	WLAN 6GHz (Radio 3)	BT (Radio 4)	GPS (Radio 5)					
1	1	1	2	2	-	-	LYNwave	ALX22X-121050-00	Dipole (Omni)	N-Type	Note 1
	2	2	4	4	-	-					
	-	-	1	1	-	-					
	-	-	3	3	-	-					
2	1	1	2	-	-	-	SmartAnt	SAA19-220130	Dipole (Omni)	N-Type	
	2	2	4	-	-	-					
	-	-	1	-	-	-					
	-	-	3	-	-	-					
3	-	-	2	2	-	-	LYNwave	OLX22X-127130-A	Patch (Directional)	N-Type	
	-	-	4	4	-	-					
	-	-	1	1	-	-					
	-	-	3	3	-	-					
4	1	-	-	-	-	-	EAHiSON	ANT-DIR15-2X2-2.4G-01	Panel (Directional)	N-Female	
	2	-	-	-	-	-					
5	-	1	2	-	-	-	KBT	ANT-DIR15-2X2-5.0G-01	Panel (Directional)	N-Female	
	-	2	4	-	-	-					
	-	-	1	-	-	-					
	-	-	3	-	-	-					
6	-	-	-	-	-	1	Cirocomm	03V0134913Z010T	Marine GPS	SMA	
7	-	-	-	-	1	-	INPAQ	RFPCA403422IMAB702	PCB	I-PEX	
8	-	-	-	2	-	-	LYNwave	OLX22X-127141-A	Panel (Directional)	N-Type	
	-	-	-	4	-	-					
	-	-	-	1	-	-					
	-	-	-	3	-	-					



Note 1:

Set	Antenna Gain (dBi)				Cable loss (dB)				Net Gain (dBi)			
	WLAN 2.4GHz (Radio 1)	BT (Radio 4)	GPS (Radio 5)		WLAN 2.4GHz (Radio 1)	BT (Radio 4)	GPS (Radio 5)		WLAN 2.4GHz (Radio 1)	BT (Radio 4)	GPS (Radio 5)	
			1575.42 MHz	1602 MHz			1575.42 MHz	1602 MHz			1575.42 MHz	1602 MHz
1	4.4	-	-	-	-	-	-	-	4.4	-	-	-
2	3	-	-	-	-	-	-	-	3	-	-	-
4	18	-	-	-	0.77	-	-	-	17.23	-	-	-
6	-	-	3	4.5	-	-	-	-	-	-	3	4.5
7	-	3.73	-	-	-	-	-	-	-	3.73	-	-

Set	Antenna Gain (dBi)								Cable loss (dB)								Net Gain (dBi)							
	WLAN 5GHz (Radio 2)				WLAN 5GHz (Radio 3)				WLAN 5GHz (Radio 2)				WLAN 5GHz (Radio 3)				WLAN 5GHz (Radio 2)				WLAN 5GHz (Radio 3)			
	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3	UNII 1	UNII 2A	UNII 2C	UNII 3
1	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	-	-	-	-	-	-	-	-	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
2	5	5	6	6	5	5	6	6	-	-	-	-	-	-	-	-	5	5	6	6	5	5	6	6
3	-	-	-	-	11	11	11	11	-	-	-	-	1.45	1.45	1.6	1.6	-	-	-	-	9.55	9.55	9.4	9.4
5	18	18	18	18	18	18	18	18	1.45	1.45	1.6	1.6	1.45	1.45	1.6	1.6	16.55	16.55	16.4	16.4	16.55	16.55	16.4	16.4

As below for 6ID use only:

Set	Antenna Gain (dBi)				Cable loss (dB)				Net Gain (dBi)			
	WLAN 6GHz (Radio 3)				WLAN 6GHz (Radio 3)				WLAN 6GHz (Radio 3)			
	UNII 5, 6		UNII 7, 8		UNII 5, 6		UNII 7, 8		UNII 5, 6		UNII 7, 8	
3	11		11		1.25		1.25		9.75		9.75	
8	13		13		1.25		1.25		11.75		11.75	

As below for 6SD use only:

Set	Antenna Gain (dBi)		Cable loss (dB)		Net Gain (dBi)	
	WLAN 6GHz (Radio 3)		WLAN 6GHz (Radio 3)		WLAN 6GHz (Radio 3)	
	UNII 5	UNII 7	UNII 5	UNII 7	UNII 5	UNII 7
1	5.5	5.5	-	-	5.5	5.5
3	11	11	1.68	2.4	9.32	8.6
8	13	13	1.68	2.4	11.32	10.6

Note 2: The EUT has six sets of antenna for WLAN and one set of antenna for GPS and Bluetooth.

Note 3: The above information was declared by manufacturer.

Note 4: The antenna set 1 and set 2 are the same antenna type, only the highest gain antenna (antenna set 1 for 2.4GHz and 5GHz UNII 2A, antenna set 2 for 5GHz UNII 2C~3) were selected to test and record in this report.

For 6GHz Indoor Access Point: Only the highest gain antenna (antenna set 8 for 6GHz UNII 5~UNII 8) was selected to test and recorded in this report.

For 6GHz Standard Power Access Point:

Only the highest gain antenna (antenna set 1 and set 8 for 6GHz UNII 5, UNII 7) from each antenna type were selected to test and record in this report.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

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

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

Port 1 and Port 2 could transmit/receive simultaneously.

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

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

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

For 6GHz UNII 5~8:**For IEEE 802.11 ax (4TX/4RX):**

Port 1~4 can be used as transmitting/receiving antenna.

Port 1~4 can transmit/receive simultaneously.

For Radio 4**Bluetooth (1TX/1RX):**

Only Port 1 can be used as transmitting/receiving antenna.

For Radio 5**GPS (1RX):**

Only Port 1 can be used as receiving antenna.

Note 5: Polarization of antenna set 3: 2*Horizontal, 2*Vertical. so array gain only adds 10log (2).

Polarization of antenna set 4: 1*Horizontal, 1*Vertical. so the array gain is 0dBi.

Polarization of antenna set 5: Radio 2: 1*Horizontal, 1*Vertical. so the array gain is 0dBi.

Radio 3: 2*Horizontal, 2*Vertical. so array gain only adds 10log (2).

Polarization of antenna set 8: Radio 3: 2*Horizontal, 2*Vertical. so array gain only adds 10log (2).

Type	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$
BF	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$	$DirectionalGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left[\sum_{k=1}^{N_{ANT}} g_{j,k} \right]^2}{N_{ANT}} \right]$

Ex.

Directional Gain (NSS1) formula :

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

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

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

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

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

Where ;

Antenna set 1

$$2.4G \ G1 = 4.4 \text{ dBi}; G2 = 4.4 \text{ dBi}; DG = 4.4 \text{ dBi}$$

$$5G \text{ Band1} \ G1 = 5.5 \text{ dBi}; G2 = 5.5 \text{ dBi}; G3 = 5.5 \text{ dBi}; G4 = 5.5 \text{ dBi}; DG = 5.5 \text{ dBi}$$

$$5G \text{ Band2} \ G1 = 5.5 \text{ dBi}; G2 = 5.5 \text{ dBi}; G3 = 5.5 \text{ dBi}; G4 = 5.5 \text{ dBi}; DG = 5.5 \text{ dBi}$$

$$2.4G \ DG = 7.41 \text{ dBi}$$

For 2TX

$$\text{Radio 2 5G Band1} \ DG = 8.51 \text{ dBi}$$

$$\text{Radio 2 5G Band2} \ DG = 8.51 \text{ dBi}$$

For 4TX

$$\text{Radio 3 5G Band1} \ DG = 11.52 \text{ dBi}$$

$$\text{Radio 3 5G Band2} \ DG = 11.52 \text{ dBi}$$

Antenna set 2

$$5G \text{ Band3} \ G1 = 6 \text{ dBi}; G2 = 6 \text{ dBi}; G3 = 6 \text{ dBi}; G4 = 6 \text{ dBi}; DG = 6 \text{ dBi}$$

$$5G \text{ Band4} \ G1 = 6 \text{ dBi}; G2 = 6 \text{ dBi}; G3 = 6 \text{ dBi}; G4 = 6 \text{ dBi}; DG = 6 \text{ dBi}$$

For 2TX

$$\text{Radio 2 5G Band3} \ DG = 9.01 \text{ dBi}$$

$$\text{Radio 2 5G Band4} \ DG = 9.01 \text{ dBi}$$

For 4TX

$$\text{Radio 3 5G Band3} \ DG = 12.02 \text{ dBi}$$

$$\text{Radio 3 5G Band4} \ DG = 12.02 \text{ dBi}$$



Antenna set 3(Cross-Polarized Antenna)

5G Band1 G1 = 9.55 dBi; G2 = 9.55 dBi; G3 = 9.55 dBi; G4 = 9.55 dBi; DG = 9.55 dBi

5G Band2 G1 = 9.55 dBi; G2 = 9.55 dBi; G3 = 9.55 dBi; G4 = 9.55 dBi; DG = 9.55 dBi

5G Band3 G1 = 9.4 dBi; G2 = 9.4 dBi; G3 = 9.4 dBi; G4 = 9.4 dBi; DG = 9.4 dBi

5G Band4 G1 = 9.4 dBi; G2 = 9.4 dBi; G3 = 9.4 dBi; G4 = 9.4 dBi; DG = 9.4 dBi

Radio 3 5G Band1 DG = 12.56 dBi

Radio 3 5G Band2 DG = 12.56 dBi

Radio 3 5G Band3 DG = 12.41 dBi

Radio 3 5G Band4 DG = 12.41 dBi

Antenna set 4(Cross-Polarized Antenna)

2.4G G1 = 17.23 dBi; G2 = 17.23 dBi

DG = 17.23 dBi

Antenna set 5(Cross-Polarized Antenna)

5G Band1 G1 = 16.55 dBi; G2 = 16.55 dBi; G3 = 16.55 dBi; G4 = 16.55 dBi; DG = 16.55 dBi

5G Band2 G1 = 16.55 dBi; G2 = 16.55 dBi; G3 = 16.55 dBi; G4 = 16.55 dBi; DG = 16.55 dBi

5G Band3 G1 = 16.4 dBi; G2 = 16.4 dBi; G3 = 16.4 dBi; G4 = 16.4 dBi; DG = 16.4 dBi

5G Band4 G1 = 16.4 dBi; G2 = 16.4 dBi; G3 = 16.4 dBi; G4 = 16.4 dBi; DG = 16.4 dBi

For 2TX

Radio 2 5G Band1 DG = 16.55 dBi

Radio 2 5G Band2 DG = 16.55 dBi

Radio 2 5G Band3 DG = 16.40 dBi

Radio 2 5G Band4 DG = 16.40 dBi

For 4TX

Radio 3 5G Band1 DG = 19.56 dBi

Radio 3 5G Band2 DG = 19.56 dBi

Radio 3 5G Band3 DG = 19.41 dBi

Radio 3 5G Band4 DG = 19.41 dBi

**1.1.3 Mode Test Duty Cycle****Test Mode: Mode 1 / For antenna set 1**

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss 1,(M0)	0.925	0.34	5.446m	300
802.11ax HEW40_Nss 1,(M0)	0.938	0.28	5.446m	300
802.11ax HEW80_Nss 1,(M0)	0.917	0.38	5.446m	300
802.11ax HEW160_Nss 1,(M0)	0.934	0.3	5.446m	300
802.11ax HEW20-BF_Nss 1,(M4)	0.826	0.83	3.909m	300
802.11ax HEW40-BF_Nss 1,(M4)	0.813	0.9	3.908m	300
802.11ax HEW80-BF_Nss 1,(M4)	0.829	0.81	3.94m	300
802.11ax HEW160-BF_Nss 1,(M4)	0.829	0.81	3.941m	300

Test Mode: Mode 2 / For antenna set 8

Mode	DC	DCF (dB)	T (s)	VBW (Hz)_1/T
802.11ax HEW20_Nss 1,(M0)	0.925	0.34	5.446m	300
802.11ax HEW40_Nss 1,(M0)	0.938	0.28	5.446m	300
802.11ax HEW80_Nss 1,(M0)	0.917	0.38	5.446m	300
802.11ax HEW160_Nss 1,(M0)	0.934	0.3	5.446m	300
802.11ax HEW20-BF_Nss 1,(M4)	0.826	0.83	3.909m	300
802.11ax HEW40-BF_Nss 1,(M4)	0.813	0.9	3.908m	300
802.11ax HEW80-BF_Nss 1,(M4)	0.829	0.81	3.94m	300
802.11ax HEW160-BF_Nss 1,(M4)	0.829	0.81	3.941m	300

Note:

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

**1.1.4 EUT Operational Condition**

EUT Power Type	From PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	The product has beamforming function for 11n/VHT/11ax in radio 1 2.4GHz, 11n/11ac/11ax in radio 2, radio 3 5GHz and 11ax in radio 3 6GHz.			
Device Type	☒	Indoor Access Point	☐	Subordinate
	☐	Indoor Client	☒	Standard Power Access Point
	☐	Dual Client	☐	Standard Client
	☐	Fixed Client	☐	Very Low Power
Condition of EUT	☒	Indoor	☒	Outdoor
Channel Puncturing Function	☐	Supported Static Puncturing		
	☐	Supported Dynamic Puncturing		
	☒	Unsupported		
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR V5.0-00199			

Note: The above information was declared by manufacturer.



1.2 Table for EUT support function

Function	Support Band	Use Condition
AP	6GHz UNII 5~8	Indoor Use for 6ID
	6GHz UNII 5, 7	Outdoor Use for 6SD
Mesh Base	2.4GHz/5GHz UNII 1~3	Indoor / Outdoor Use
Mesh Client (Not pure client)	5GHz UNII 2A, 2C	Indoor / Outdoor Use

Note: The above information was declared by manufacturer.

1.3 Table for Radio function

Radio (R)	WLAN 2.4GHz	WLAN 5GHz	WLAN 6GHz	Bluetooth	GPS
R1	V	-	-	-	-
R2	-	V (20/40/80MHz)	-	-	-
R3	-	V (20/40/80MHz)	V (20/40/80/160MHz)	-	-
R4	-	-	-	V	-
R5	-	-	-	-	V

Note: The above information was declared by manufacturer.

1.4 Table for Multiple Listing

Equipment Name	Use Condition	6GHz Mode	6GHz Antenna	6GHz Antenna Cable	Sealing collar
XE3-4TN Outdoor Wi-Fi 6e 4x4 Access Point with SDR	Outdoor Use	Support (6SD)	Antenna Set 1, 3, 8	Antenna Cable 1	With
XE3-4TN Wi-Fi 6e 4x4 Access Point with SDR	Indoor Use	Support (6ID)	Antenna Set 3, 8	Antenna Cable 2	Without

Note 1: From the above Equipment Names, "XE3-4TN Outdoor Wi-Fi 6e 4x4 Access Point with SDR" was selected as representative model for the test and its data was recorded in this report.

Note 2: The above information was declared by manufacturer.

1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR322335-05

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

Modifications	Performance Checking
Adding AP mode in 6GHz (UNII 5, UNII 7) Standard Power Access Point function in antenna sets 1, 3 and 8 via software change.	All test items.



1.6 Applicable Standards

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

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

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

- ♦ FCC KDB 987594 D02 v02r01
- ♦ FCC KDB 662911 D01 v02r01
- ♦ FCC KDB 412172 D01 v01r01
- ♦ FCC KDB 414788 D01 v01r01

1.7 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted (For other tests)	TH03-CB	Mason Chan	23.6~24.5 / 60~62	Jun. 24, 2024~ Jun. 25, 2024
Radiated above 1GHz and RF Radiated (E.I.R.P. Power/PSD)	03CH01-CB	George Fan	22-23 / 55-58	May 27, 2024~ Aug. 22, 2024
Radiated below 1GHz	03CH06-CB	George Fan	21.9-22.4 / 55-58	May 27, 2024~ Aug. 22, 2024
AC Conduction	CO02-CB	Joe Chu	23~24 / 55~56	Aug. 26, 2024



1.8 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))

Before test date: May 28, 2024

Test Items	Uncertainty	Remark
Radiated Emission (9kHz ~ 30MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.1 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.2 dB	Confidence levels of 95%

After test date: May 27, 2024

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.8 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.1 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	4.0 dB	Confidence levels of 95%
Conducted Emission	3.1 dB	Confidence levels of 95%
Output Power Measurement	0.8 dB	Confidence levels of 95%
Power Density Measurement	3.1 dB	Confidence levels of 95%
Bandwidth Measurement	2.1 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Mode: Mode 1 / For antenna set 1

Mode
802.11ax HEW20_Nss1,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20-BF_Nss1,(MCS4)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40-BF_Nss1,(MCS4)_4TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80-BF_Nss1,(MCS4)_4TX
5985MHz



6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160-BF_Nss1,(MCS4)_4TX
6025MHz
6185MHz
6345MHz
6665MHz

**Test Mode: Mode 2 / For antenna set 8**

Mode
802.11ax HEW20_Nss1,(MCS0)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40_Nss1,(MCS0)_4TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80_Nss1,(MCS0)_4TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz
802.11ax HEW160_Nss1,(MCS0)_4TX
6025MHz
6185MHz
6345MHz
6665MHz
802.11ax HEW20-BF_Nss1,(MCS4)_4TX
5955MHz
6195MHz
6415MHz
6535MHz
6695MHz
6855MHz
802.11ax HEW40-BF_Nss1,(MCS4)_4TX
5965MHz
6205MHz
6405MHz
6565MHz
6685MHz
6845MHz
802.11ax HEW80-BF_Nss1,(MCS4)_4TX
5985MHz
6225MHz
6385MHz
6625MHz
6705MHz
6785MHz



802.11ax HEW160-BF_Nss1,(MCS4)_4TX
6025MHz
6185MHz
6345MHz
6665MHz

Note: For beamforming mode modulation, support for MCS4-11 is only available.

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 + Radio 3 + Antenna set 1
2	EUT + Radio 3 + Antenna set 8
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) Peak Power Spectral Density (E.I.R.P.)
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
For Antenna set 1: After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report. For Antenna set 8: After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT at Y axis + Radio 3 + Antenna set 1
2	EUT at Y axis + Radio 3 + Antenna set 8

The Worst Case Mode for Following Conformance Tests	
Tests Item	Maximum E.I.R.P. at any elevation angle above 30 degrees
Test Condition	Conducted measurement at transmit chains
1	EUT + Radio 3 + Antenna set 1
2	EUT + Radio 3 + Antenna set 8



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
For Antenna set 1: After evaluating, the worst case was found at X axis, so it was selected to perform test and its test result was written in the report. For Antenna set 8: After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT at X axis + Radio 3 + Antenna set 1
2	EUT at Y axis + Radio 3 + Antenna set 8
For operating mode 2 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
For Antenna set 1: After evaluating, the worst case was found at Y axis for bandedge, X axis for harmonic, so it was selected to perform test and its test result was written in the report. For Antenna set 8: After evaluating, the worst case was found at Y axis, so it was selected to perform test and its test result was written in the report.	
1	EUT at Y axis + Radio 3 + Antenna set 1 for bandedge, EUT at X axis + Radio 3 + Antenna set 1 for harmonic
2	EUT at Y axis + Radio 3 + Antenna set 8

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission MASK
Test Condition	Conducted measurement at transmit chains
1	EUT + Radio 3 + Antenna set 1
2	EUT + Radio 3 + Antenna set 8



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	R1 (2.4G + antenna set 1) + R2 (5G antenna set 2) + R3 (5G antenna set 2) + R4 (Bluetooth + antenna set 7)
2	R1 (2.4G + antenna set 4) + R2 (5G + antenna set 5) + R3 (5G + antenna set 5) + R4 (Bluetooth + antenna set 7)
3	R1 (2.4G + antenna set 4) + R2 (5G + antenna set 5) + R3 (5G + antenna set 3) + R4 (Bluetooth + antenna set 7)
4	R1 (2.4G + antenna set 1) + R2 (5G + antenna set 2) + R3 (6G (6ID)+ antenna set 8) + R4 (Bluetooth + antenna set 7)
5	R1 (2.4G + antenna set 4) + R2 (5G + antenna set 5) + R3 (6G (6ID)+ antenna set 8) + R4 (Bluetooth + antenna set 7)
6	R1 (2.4G + antenna set 1) + R2 (5G antenna set 2) + R3 (6G (6SD) + antenna set 1) + R4 (Bluetooth + antenna set 7)
7	R1 (2.4G + antenna set 4) + R2 (5G + antenna set 5) + R3 (6G (6SD) + antenna set 8) + R4 (Bluetooth + antenna set 7)
Refer to Sporton Test Report No.: FA322335-03 for Co-location RF Exposure Evaluation.	

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

Their information as below:

Power	Brand	Model
PoE	Cambium	NET-P60-56IN

2.3 EUT Operation during Test

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 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 TXBF Client and transmit duty cycle no less than 98%.



2.4 Accessories

Accessories
Bracket 1*1 (Only for EUT use)
Bracket 2*1 (Only for Antenna Set 3 use)
Bracket 3*1 (Only for Antenna Set 4 use)
Bracket 4*1 (Only for Antenna Set 5 use)
Bracket 5*1 (Only for Antenna Set 8 use)
Antenna cable 1*6 (For Antenna Set 3~5 and 8 use; 6GHz only for standard power AP)
Antenna cable 2*4 (Only for Antenna Set 3 and 8 in 6GHz of Indoor Access Point use)
Sealing collar*2 (Only for Outdoor use)

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	PoE	Cambium	NET-P60-56IN	N/A
B	EUT NB	DELL	E6430	N/A
C	6G Device	Cambium	XE3-4TN	N/A
D	PoE	Cambium	NET-P60-56IN	N/A
E	6G Device NB	DELL	E6430	N/A

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

For non-beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P60-56IN	N/A



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

For beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	PoE	Cambium	NET-P60-56IN	N/A
C	TXBF Client	Cambium	XE3-4TN	N/A
D	Notebook	DELL	E4300	N/A

For RF Conducted (Other tests):

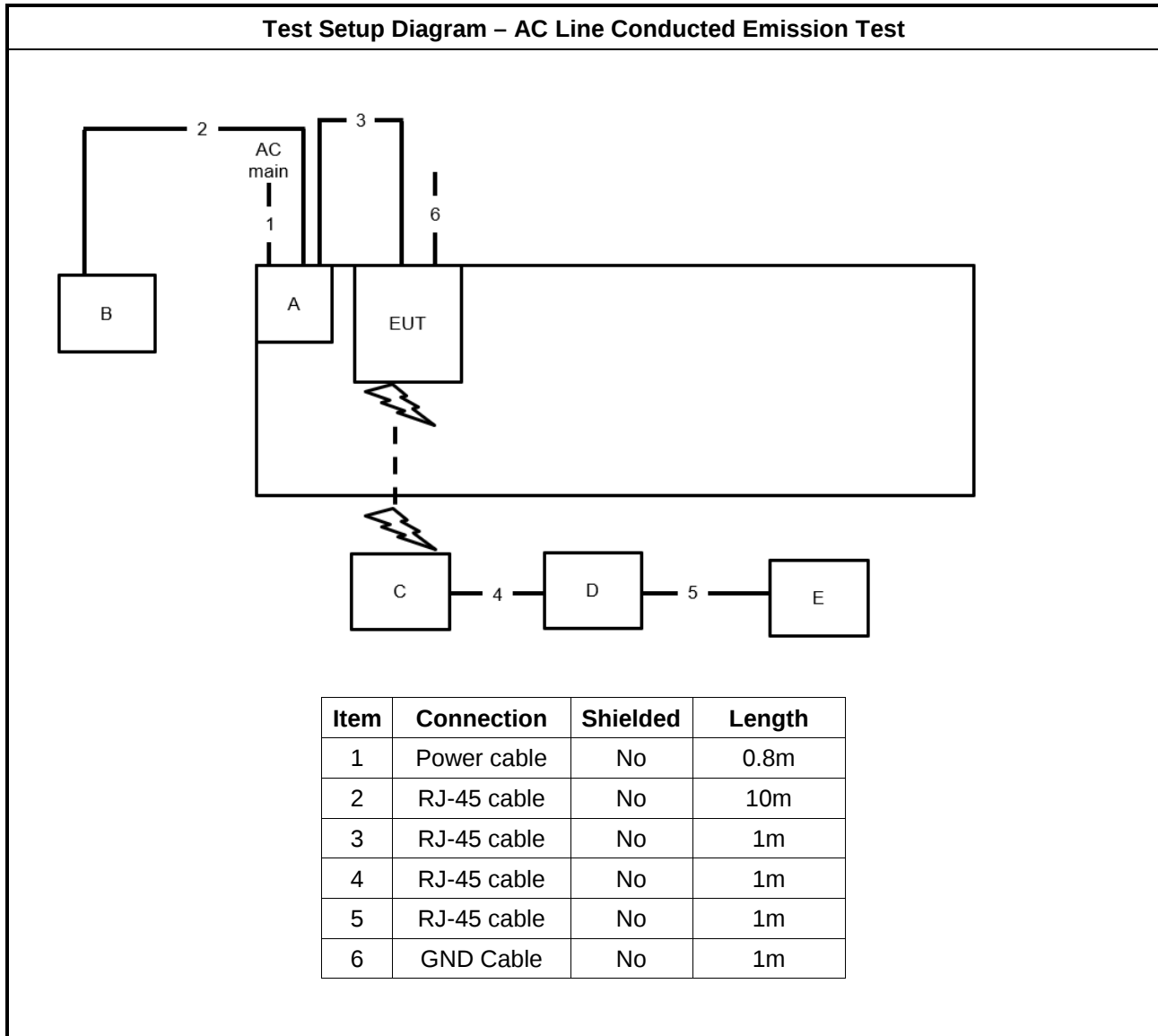
For non-beamforming mode:

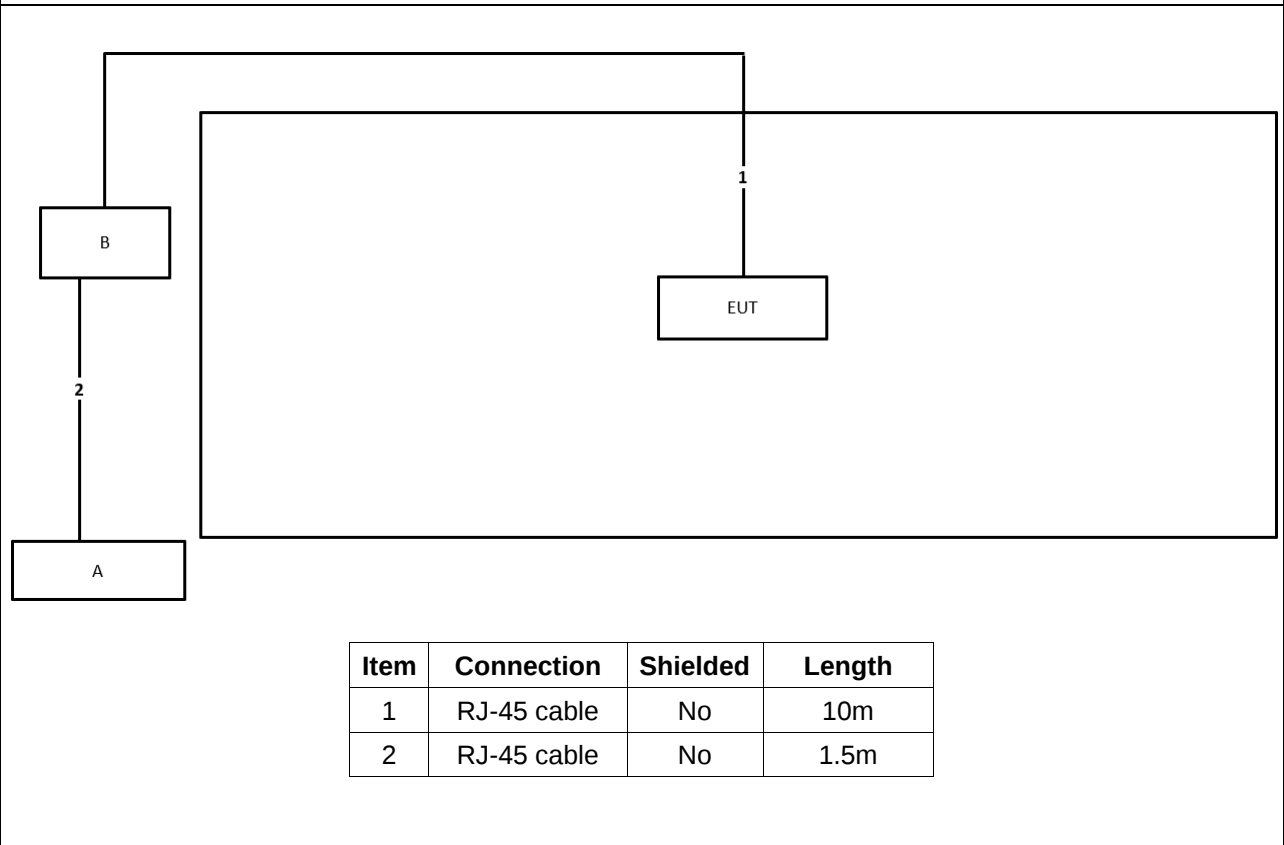
Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A

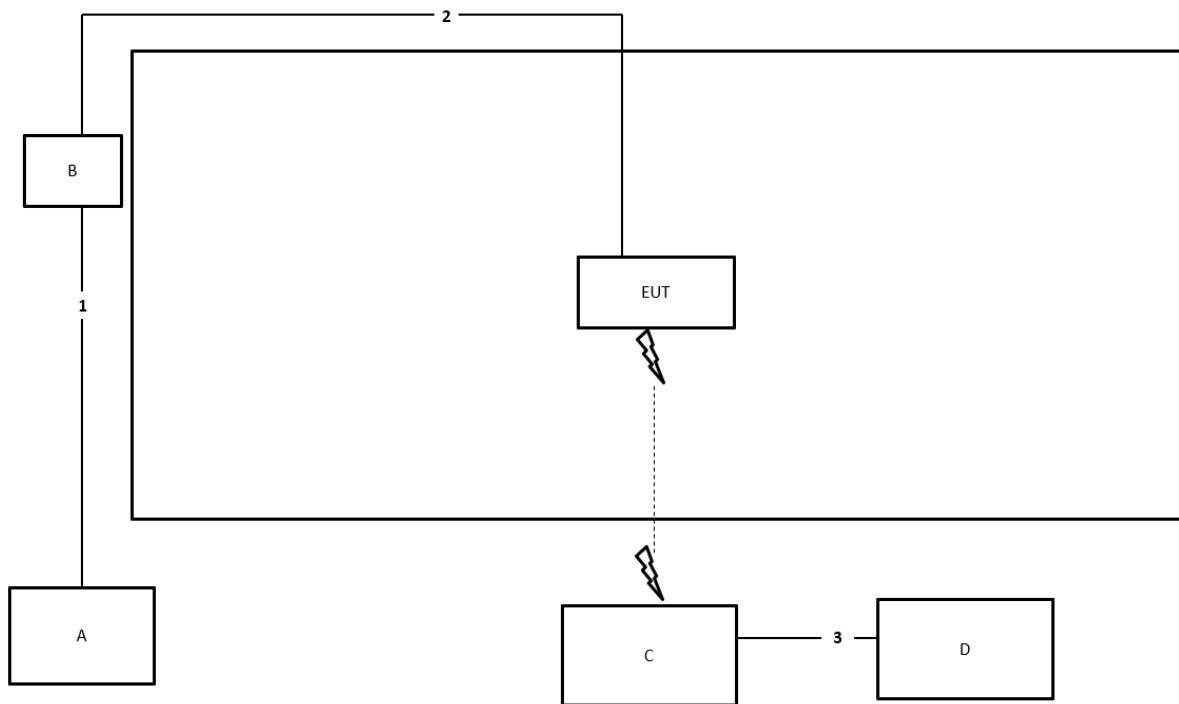
For beamforming mode:

Support Equipment				
No.	Equipment	Brand Name	Model Name	FCC ID
A	Notebook	DELL	E4300	N/A
B	Notebook	DELL	E4300	N/A
C	Client	Cambium	XE3-4TN	N/A

2.6 Test Setup Diagram



Test Setup Diagram - Radiated Test < 1GHz and Radiated Test > 1GHz / For non-beamforming mode


Test Setup Diagram - Radiated Test > 1GHz / For beamforming mode


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



3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

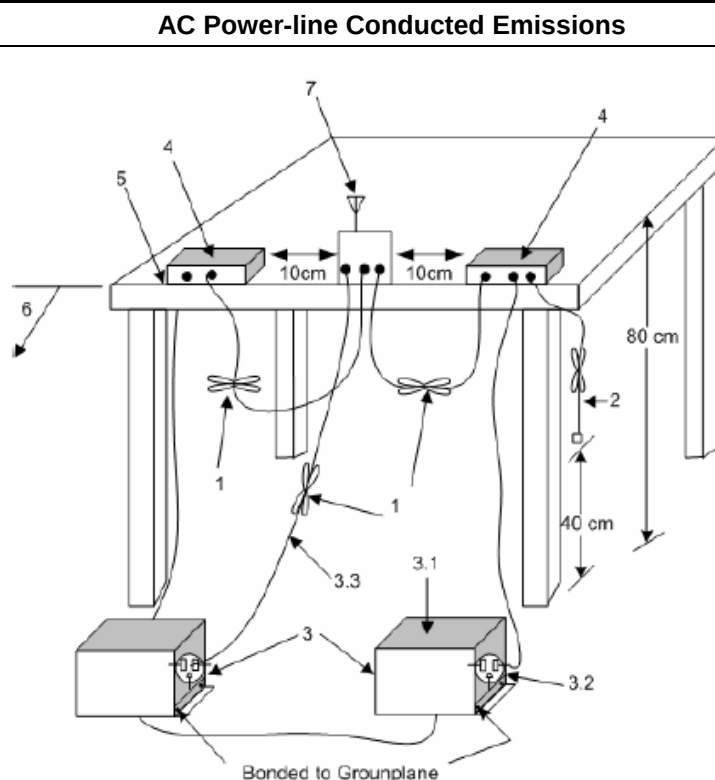
3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

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

3.1.4 Test Setup



- 1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
- 2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- 3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
- 3.1—All other equipment powered from additional LISN(s).
- 3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
- 3.3—LISN at least 80 cm from nearest part of EUT chassis.
- 4—Non-EUT components of EUT system being tested.
- 5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
- 6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
- 7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.5 Measurement Results Calculation

The measured Level is calculated using:

- Corrected Reading (dBUV) = LISN Factor + Cable Loss + Read Level = Level
- Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit	
UNII Devices	
☒	For the 5925-6425 GHz band, N/A
☐	For the 6425-6525 GHz band, N/A
☒	For the 6525-6875 GHz band, N/A
☐	For the 6875-7125 GHz band, N/A
RLAN Devices	
☐	For the 5925-6425 GHz band, N/A
☐	For the 6425-6525 GHz band, N/A
☐	For the 6525-6875 GHz band, N/A
☐	For the 6875-7125 GHz band, N/A

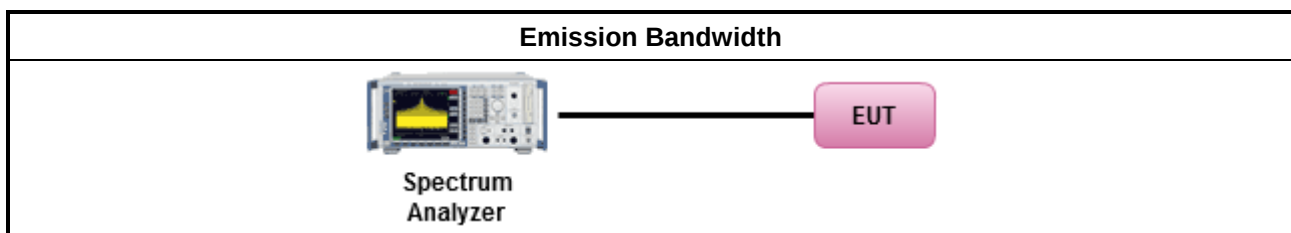
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
For the emission bandwidth shall be measured using one of the options below:	
☒	According to FCC KDB 987594 D02 clause II.C, measurement procedure shall refer to FCC KDB 789033 D02, clause C for EBW and clause D for OBW measurement.
☐	Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.
☐	Refer as IC RSS-Gen, clause 4.6 for bandwidth testing.

3.2.4 Test Setup



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



3.3 Maximum Equivalent 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	
☒ For the 5.925 ~ 6.425 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
	■ For very low power device : e.i.r.p < 14 dBm.
☐ For the 6.425 ~ 6.525 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
☒ For the 6.525 ~ 6.875 GHz band:	
	■ For standard power access point and fixed client device : e.i.r.p < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For subordinate device control of an indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of a standard power access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
	■ For very low power device : e.i.r.p < 14 dBm.
☐ For the 6.875 ~ 7.125 GHz band:	
	■ For indoor access point : e.i.r.p < 30 dBm.
	■ For client device control of an indoor access point : e.i.r.p < 24 dBm.
RLAN Devices	
☐ For the 5.925 ~ 7.125 GHz band:	
	■ For low-power indoor access-points & indoor subordinate devices < 30 dBm .
	■ For low-power client devices < 24 dBm.
☐ For the 5.925 ~ 6.875 GHz band:	
	■ For standard-power access points & fixed client devices < 36 dBm. For outdoor devices, the maximum e.i.r.p. at any elevation angle above 30 degrees not exceed 125 mW (21 dBm).
	■ For standard client devices < 30 dBm.



3.3.2 Measuring Instruments

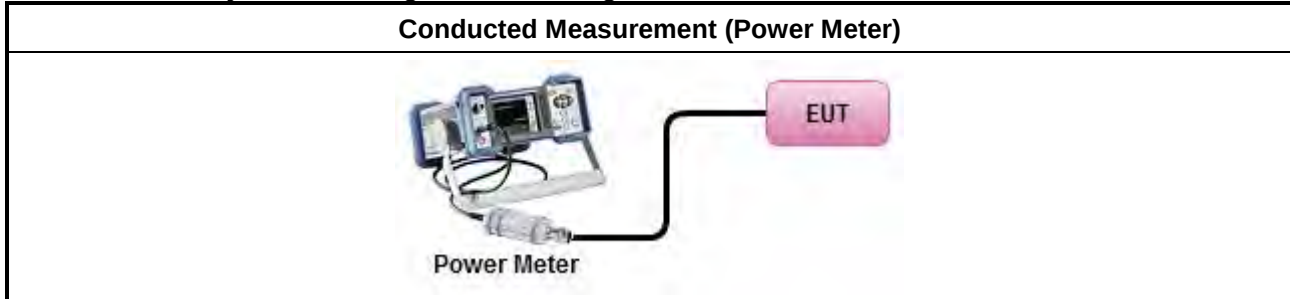
Refer a test equipment and calibration data table in this test report.

3.3.3 Test Procedures

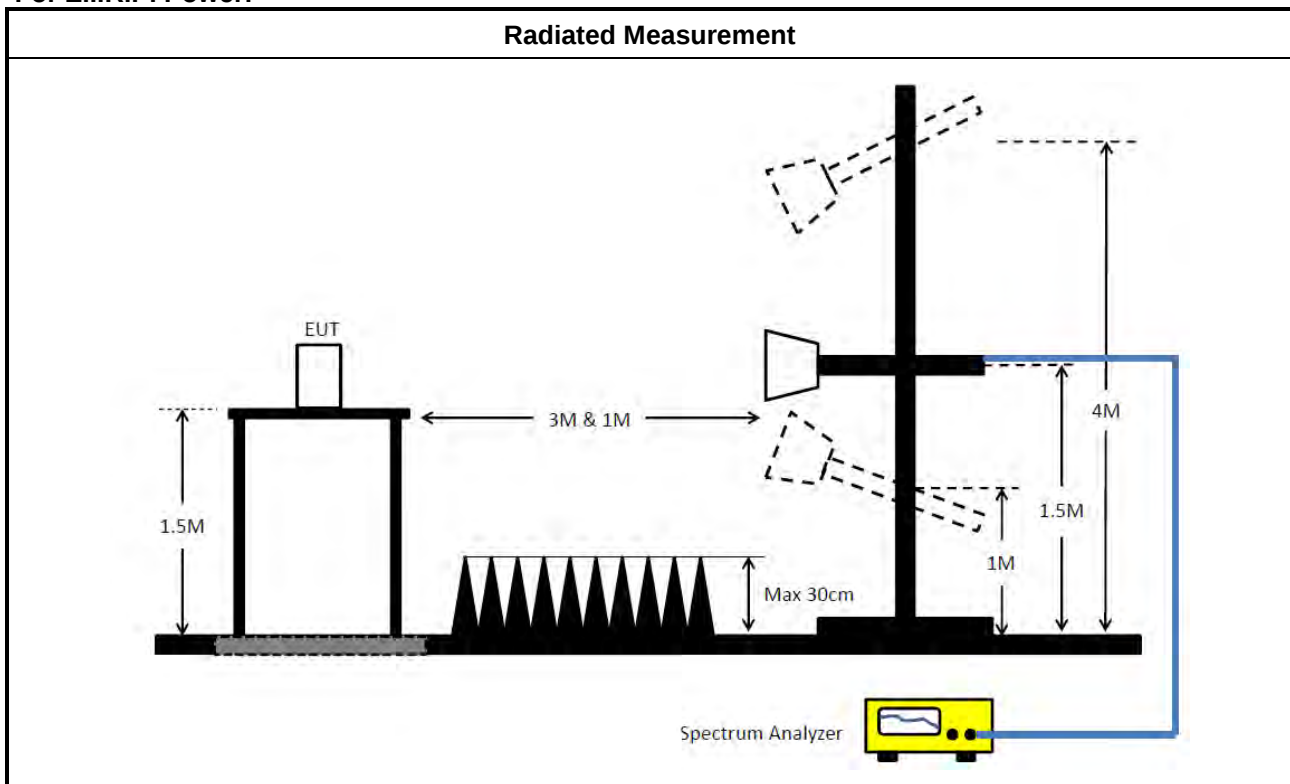
Test Method	
▪ According to FCC KDB 987594 D02 clause II.E, the test measurement procedure shall refer to KDB 789033.	
	Average over on/off periods with duty factor
	☒ For E.I.R.P. Power Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). Spectrum analyzer setting: RBW/VBW :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

3.3.4 Test Setup

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



For E.I.R.P. Power:



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

Refer as Appendix C



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

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

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

3.4.2 Measuring Instruments

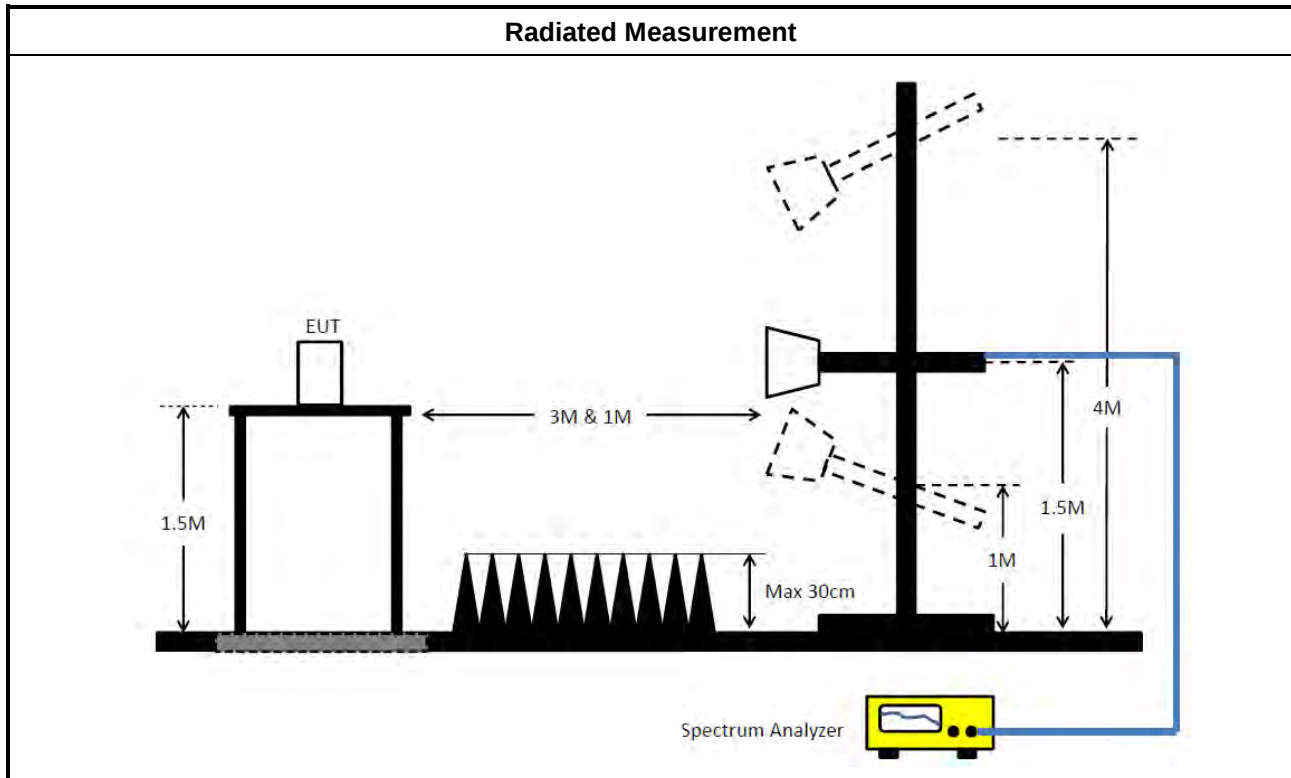
Refer a test equipment and calibration data table in this test report.

**3.4.3 Test Procedures**

Test Method	
According to FCC KDB 987594 D02 clause II.F, the measurement procedure shall refer to KDB 789033. Peak power spectral density procedures that the same method as used to determine the conducted output power shall be used to determine the peak power spectral density and use the peak search function on the spectrum analyzer to find the peak of the spectrum. For the peak power spectral density shall be measured using below options:	
☐	Refer as FCC KDB 789033 D02, F)5) power spectral density can be measured using resolution bandwidths < 1 MHz provided that the results are integrated over 1 MHz bandwidth
[duty cycle ≥ 98% or external video / power trigger]	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-1 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-1 Alt. (RMS detection with slow sweep speed)
duty cycle < 98% and average over on/off periods with duty factor	
☒	Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging).
☐	Refer as FCC KDB 789033 D02, clause E Method SA-2 Alt. (RMS detection with slow sweep speed)
☐	For conducted measurement.
If the EUT supports multiple transmit chains using options given below:	
☐	Option 1: Measure and sum the spectra across the outputs. Refer as FCC KDB 662911, In-band power spectral density (PSD). Sample all transmit ports simultaneously using a spectrum analyzer for each transmit port. Where the trace bin-by-bin of each transmit port summing can be performed. (i.e., in the first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3, and so on up to the NTX output to obtain the value for the first frequency bin of the summed spectrum.). Add up the amplitude (power) values for the different transmit chains and use this as the new data trace.
☐	Option 2: Measure and sum spectral maxima across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The maximum value (peak) of each spectrum is determined. These maximum values are then summed mathematically in linear power units across the outputs. These operations shall be performed separately over frequency spans that have different out-of-band or spurious emission limits,
☐	Option 3: Measure and add 10 log(N) dB, where N is the number of transmit chains. Refer as FCC KDB 662911, In-band power spectral density (PSD). Performed at each transmit chains and each transmit chains shall be compared with the limit have been reduced with 10 log(N). Or each transmit chains shall be add 10 log(N) to compared with the limit.
If multiple transmit chains, EIRP PPSD calculation could be following as methods: $PPSD_{total} = PPSD_1 + PPSD_2 + \dots + PPSD_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = PPSD_{total} + DG$	

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

3.4.4 Test Setup



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

Refer as Appendix D



3.5 Unwanted Emissions

3.5.1 Transmitter Unwanted Emissions Limit

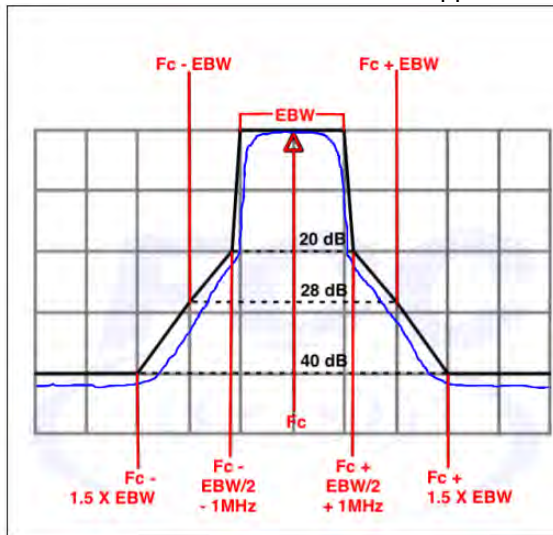
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	Field Strength (uV/m)	Field Strength (dBuV/m)	Measure Distance (m)
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3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

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

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

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m($20 \times \log(\text{standard distance}/\text{test distance}) = 20\log(3/1) = 9.54\text{dB}$).
EX. Above 18GHz emission limit calculation (3m to 1m) = 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 OOBE is measured RMS which is a deviation from the current 15E rules for 5 GHz bands. In addition, 15.35(b) applies where the peak emissions must be limited to no more than 20 dB above the average limit.

Frequency	Emission MASK Limit
5.945 – 7.125 GHz	Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel edge and one channel bandwidth from the center of the channel, the limits must be linearly interpolated between 20 dB and 28 dB suppression, and at frequencies between one and one- and one-half times an unlicensed device's channel bandwidth, the limits must be linearly interpolated between 28 dB and 40 dB suppression. Emissions removed from the channel center by more than one- and one-half times the channel bandwidth must be suppressed by at least 40 dB. 



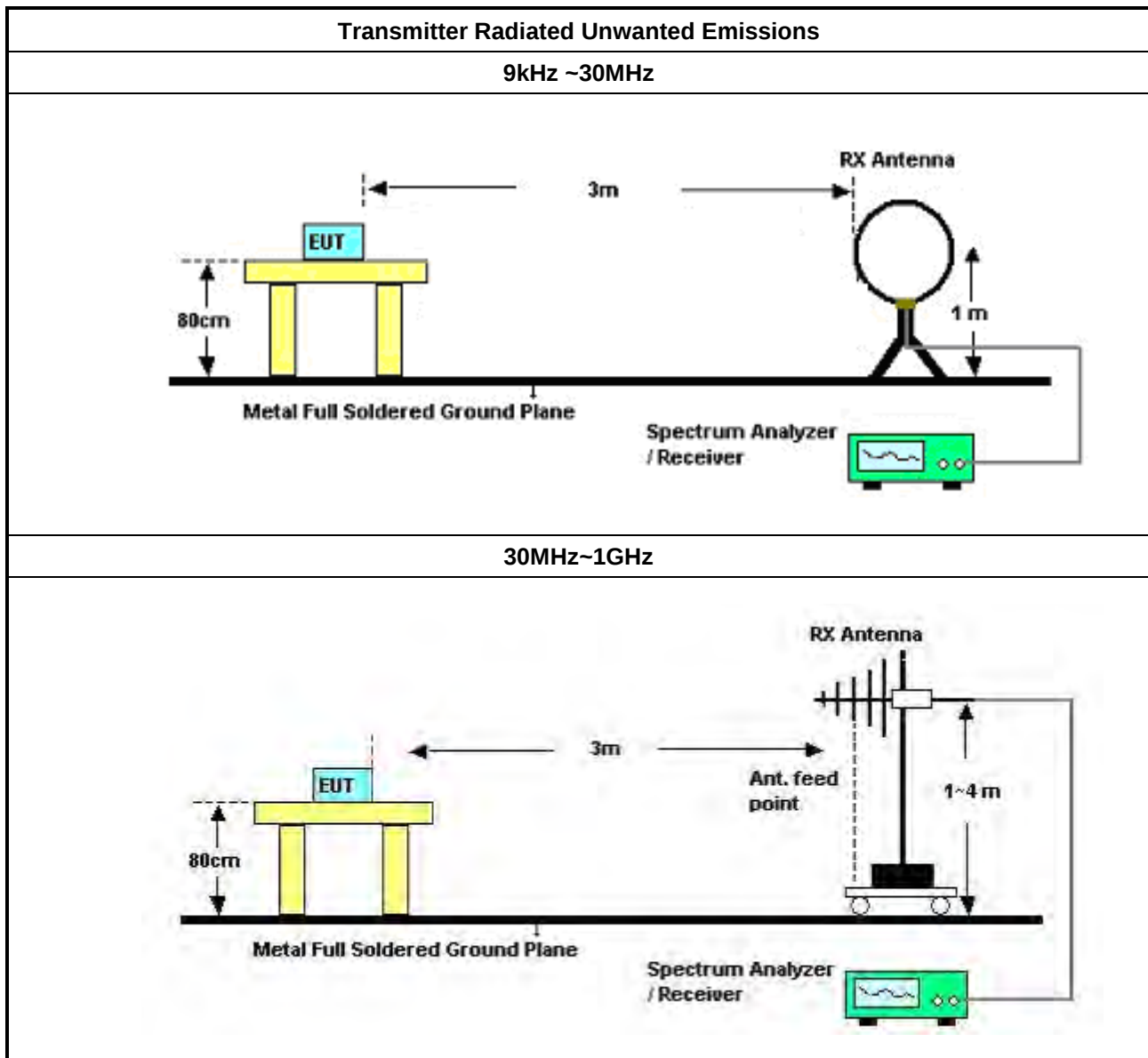
3.5.2 Measuring Instruments

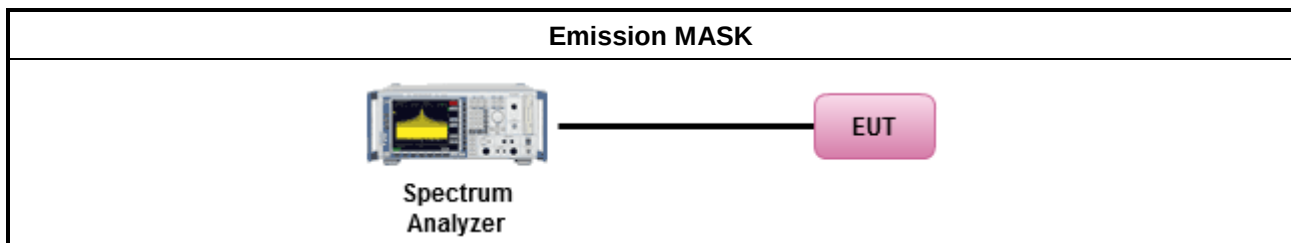
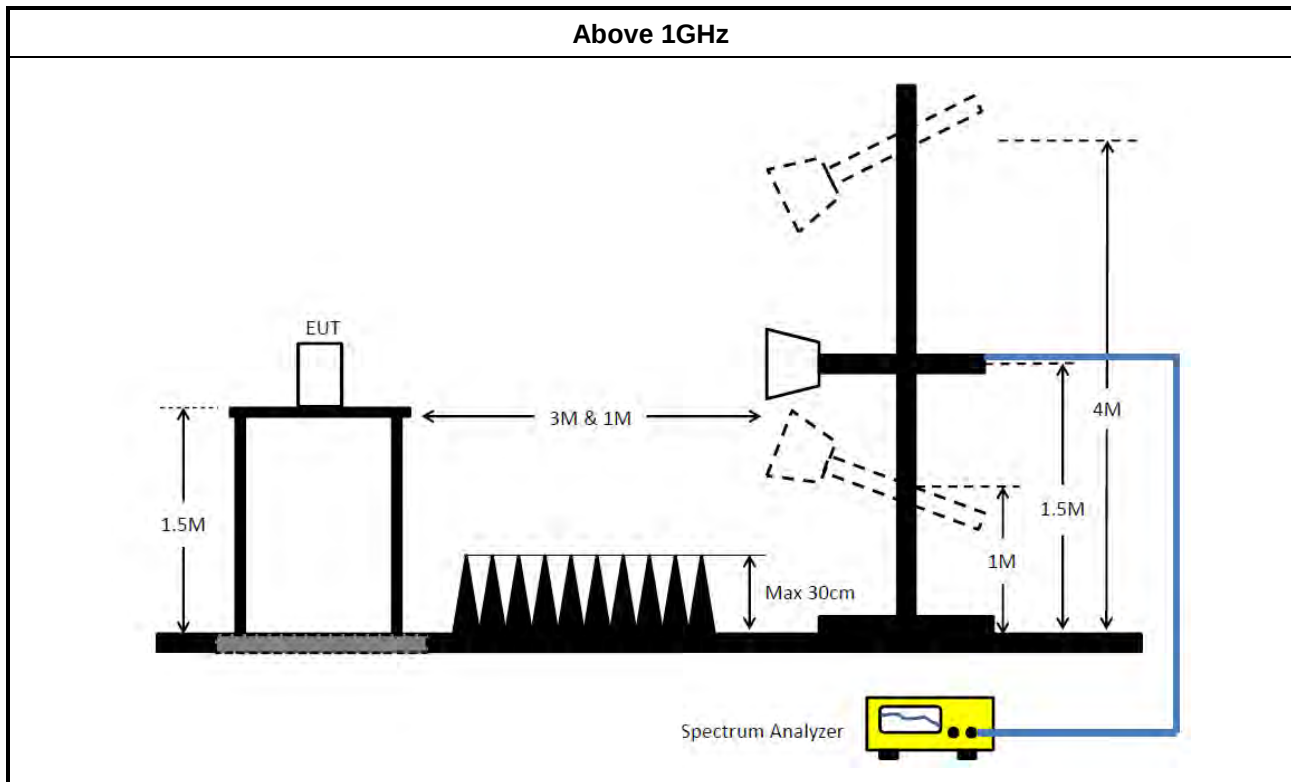
Refer a test equipment and calibration data table in this test report.

3.5.3 Test Procedures

Test Method	
According to FCC KDB 987594 D02 II.G. the unwanted emission measurement procedure shall refer to KDB 789300(except emission MASK). Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. Measurements shall not be performed at a distance greater than 30 m for frequencies above 30 MHz, unless it can be further demonstrated that measurements at a distance of 30 m or less are impractical. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as FCC KDB 789033 D02, clause G)2) for unwanted emissions into non-restricted bands.
	Refer as FCC KDB 789033 D02, clause G)1) for unwanted emissions into restricted bands.
	☒ Refer as FCC KDB 789033 D02, G)6) Method AD (Trace Averaging). (For unrestricted band measurement)
	☐ Refer as FCC KDB 789033 D02, G)6) Method VB (Reduced VBW).
	☒ Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW $\geq$ 1/T, where T is pulse time.(For restricted band average measurement)
	☐ Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
	☒ Refer as FCC KDB 789033 D02, clause G)5) measurement procedure peak limit.
	☐ Refer as ANSI C63.10, clause 4.1.4.2.2 measurement procedure peak limit.
Refer as FCC KDB 789033 D02, clause G)3)d)ii) for Band edge Integration measurements.	
For emission MASK shall be measured using following options below:	
	☒ Refer as FCC KDB 987594 D02, J) In-Band Emissions
For radiated measurement.	
	Refer as ANSI C63.10, clause 6.4 for radiated emissions below 30 MHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.5 for radiated emissions 30 MHz to 1 GHz and test distance is 3m.
	Refer as ANSI C63.10, clause 6.6 for radiated emissions above 1GHz.
The any unwanted emissions level shall not exceed the fundamental emission level.	
All amplitude of spurious emissions that are attenuated by more than 20 dB below the permissible value has no need to be reported.	

3.5.4 Test Setup





3.5.5 Measurement Results Calculation

The measured Level is calculated using:

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

3.5.6 Transmitter Unwanted Emissions (Below 30MHz)

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

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

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

3.5.7 Test Result of Transmitter Unwanted Emissions

Refer as Appendix E



4 Test Equipment and Calibration Data

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Apr. 15, 2024	Apr. 14, 2025	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 29, 2023	Dec. 28, 2024	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 15, 2024	May 14, 2025	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO02-CB)
Test Software	SPORTON	SENSE-EMI	V5.11	150kHz-30MHz	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 03, 2023	Aug. 02, 2024	Radiation (03CH06-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH06-CB	30 MHz ~ 1 GHz	Aug. 02, 2024	Aug. 01, 2025	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 30, 2023	Jul. 29, 2024	Radiation (03CH06-CB)
Bilog Antenna with 6 dB attenuator	TESEQ & EMCI	CBL6112D & N-6-06	37878 & AT-N0606	20MHz ~ 2GHz	Jul. 29, 2024	Jul. 28, 2025	Radiation (03CH06-CB)
Pre-Amplifier	Agilent	310N	187290	0.1MHz ~ 1GHz	Nov. 03, 2023	Nov. 02, 2024	Radiation (03CH06-CB)
EMI Test Receiver	R&S	ESR7	102172	9kHz ~ 7GHz	Oct. 20, 2023	Oct. 19, 2024	Radiation (03CH06-CB)
RF Cable-low	Woken	RG402	Low Cable-24+68	30MHz~1GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH06-CB)
Test Software	SPORTON	SENSE-EMI	V5.11.8	30MHz-40GHz	N.C.R.	N.C.R.	Radiation (03CH06-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 04, 2024	May 03, 2025	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120D-01816	1GHz~18GHz	Dec. 20, 2023	Dec. 19, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 17, 2024	May 16, 2025	Radiation (03CH01-CB)



Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 24, 2023	Nov. 23, 2024	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 28, 2023	Nov. 27, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Jan. 11, 2024	Jan. 10, 2025	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115 GHz	N.C.R.	N.C.R.	Radiation (03CH01-CB)
Spectrum analyzer	R&S	FSV40	101028	9kHz~40GHz	Dec. 22, 2023	Dec. 21, 2024	Conducted (TH03-CB)
Power Sensor	Anritsu	MA2411B	1726195	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
Power Meter	Anritsu	ML2495A	1035008	300MHz~40GHz	Sep. 04, 2023	Sep. 03, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-11	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-12	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable	Woken	RG402	High Cable-13	30MHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-14	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
RF Cable-high	Woken	RG402	High Cable-15	1 GHz ~18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-01	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Band Rejector	MTJ	6G Band Rejector	BRJ-02	1 ~ 8GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Switch	SPTCB	SP-SWI	SWI-03	1 ~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH03-CB)
Test Software	SPORTON	SENSE-15407_NII	V5.11.19	5.15GHz-7.115 GHz	N.C.R.	N.C.R.	Conducted (TH03-CB)

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

NCR means Non-Calibration required.



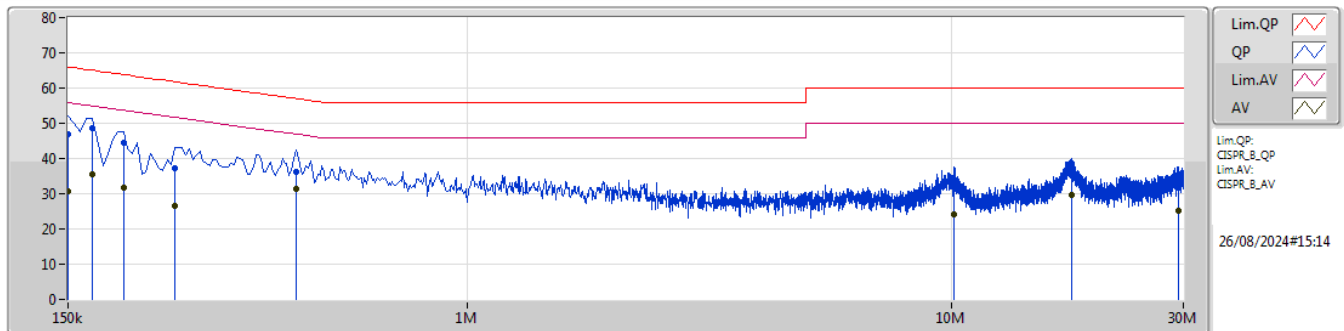
Conducted Emissions at Powerline

Appendix A

Summary

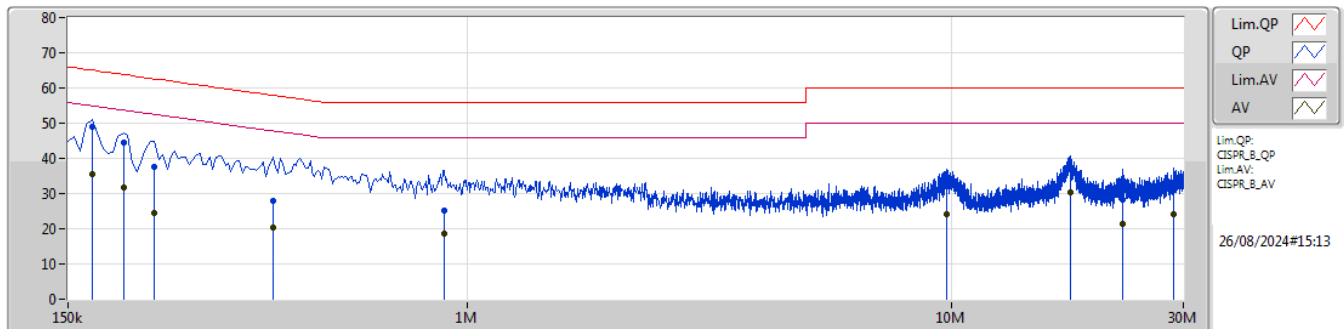
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	442.5k	31.39	47.01	-15.62	Line

Mode 2



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT						
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)						
QP	150k	46.89	66.00	-19.11	10.09	Line	-	36.80	0.05	0.03	10.01						
AV	150k	30.82	56.00	-25.18	10.09	Line	-	20.73	0.05	0.03	10.01						
QP	168k	48.77	65.06	-16.29	10.09	Line	-	38.68	0.05	0.03	10.01						
AV	168k	35.37	55.06	-19.69	10.09	Line	-	25.28	0.05	0.03	10.01						
QP	195k	44.46	63.82	-19.36	10.07	Line	-	34.39	0.05	0.03	9.99						
AV	195k	31.61	53.82	-22.21	10.07	Line	-	21.54	0.05	0.03	9.99						
QP	249k	37.23	61.79	-24.56	10.07	Line	-	27.16	0.05	0.03	9.99						
AV	249k	26.63	51.79	-25.16	10.07	Line	-	16.56	0.05	0.03	9.99						
QP	442.5k	36.24	57.01	-20.77	10.08	Line	-	26.16	0.05	0.03	10.00						
AV	442.5k	31.39	47.01	-15.62	10.08	Line	"Worst"	21.31	0.05	0.03	10.00						
QP	10.091M	31.98	60.00	-28.02	10.39	Line	-	21.59	0.25	0.13	10.01						
AV	10.091M	24.02	50.00	-25.98	10.39	Line	-	13.63	0.25	0.13	10.01						
QP	17.696M	36.40	60.00	-23.60	10.45	Line	-	25.95	0.37	0.17	9.91						
AV	17.696M	29.65	50.00	-20.35	10.45	Line	-	19.20	0.37	0.17	9.91						
QP	29.346M	31.89	60.00	-28.11	10.77	Line	-	21.12	0.59	0.32	9.86						
AV	29.346M	25.07	50.00	-24.93	10.77	Line	-	14.30	0.59	0.32	9.86						

Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)						
QP	168k	48.90	65.06	-16.16	10.09	Neutral	"Worst"	38.81	0.05	0.03	10.01						
AV	168k	35.44	55.06	-19.62	10.09	Neutral	-	25.35	0.05	0.03	10.01						
QP	195k	44.62	63.82	-19.20	10.07	Neutral	-	34.55	0.05	0.03	9.99						
AV	195k	31.70	53.82	-22.12	10.07	Neutral	-	21.63	0.05	0.03	9.99						
QP	226.5k	37.53	62.58	-25.05	10.07	Neutral	-	27.46	0.05	0.03	9.99						
AV	226.5k	24.40	52.58	-28.18	10.07	Neutral	-	14.33	0.05	0.03	9.99						
QP	397.5k	28.00	57.91	-29.91	10.08	Neutral	-	17.92	0.05	0.03	10.00						
AV	397.5k	20.38	47.91	-27.53	10.08	Neutral	-	10.30	0.05	0.03	10.00						
QP	897k	25.27	56.00	-30.73	10.11	Neutral	-	15.16	0.06	0.03	10.02						
AV	897k	18.54	46.00	-27.46	10.11	Neutral	-	8.43	0.06	0.03	10.02						
QP	9.758M	32.15	60.00	-27.85	10.35	Neutral	-	21.80	0.21	0.13	10.01						
AV	9.758M	24.08	50.00	-25.92	10.35	Neutral	-	13.73	0.21	0.13	10.01						
QP	17.516M	36.98	60.00	-23.02	10.33	Neutral	-	26.65	0.25	0.17	9.91						
AV	17.516M	30.21	50.00	-19.79	10.33	Neutral	-	19.88	0.25	0.17	9.91						
QP	22.457M	28.24	60.00	-31.76	10.35	Neutral	-	17.89	0.28	0.20	9.87						
AV	22.457M	21.54	50.00	-28.46	10.35	Neutral	-	11.19	0.28	0.20	9.87						
QP	28.676M	31.08	60.00	-28.92	10.48	Neutral	-	20.60	0.32	0.30	9.86						
AV	28.676M	24.28	50.00	-25.72	10.48	Neutral	-	13.80	0.32	0.30	9.86						

Test Mode: Mode 1
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.67M	19.104M	19M1D1D	20.295M	18.921M
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	21.505M	19.132M	19M1D1D	20.46M	18.991M
802.11ax HEW40_Nss1,(MCS0)_4TX	39.93M	37.795M	37M8D1D	39.16M	37.593M
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	39.71M	37.845M	37M8D1D	39.16M	37.597M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.5M	77.425M	77M4D1D	80.96M	77.021M
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	81.84M	77.247M	77M2D1D	79.86M	76.722M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.56M	155.848M	156MD1D	161.48M	154.841M
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	166.32M	155.773M	156MD1D	161.48M	153.951M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.725M	19.233M	19M2D1D	20.68M	19.068M
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	21.505M	19.06M	19M1D1D	20.295M	19.004M
802.11ax HEW40_Nss1,(MCS0)_4TX	39.49M	37.534M	37M5D1D	38.72M	37.005M
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	39.93M	37.803M	37M8D1D	39.16M	37.505M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.18M	76.866M	76M9D1D	79.64M	75.809M
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	82.06M	77.192M	77M2D1D	80.52M	75.64M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.12M	154.082M	154MD1D	162.36M	153.327M
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	162.8M	155.042M	155MD1D	161.48M	154.052M

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	21.065M	18.978M	20.9M	19.016M	21.12M	19.036M	20.295M	19.053M
6195MHz	Pass	Inf	21.285M	18.921M	20.9M	18.983M	21.065M	19.017M	21.065M	19.024M
6415MHz	Pass	Inf	20.515M	18.962M	21.56M	19.104M	21.67M	18.99M	21.175M	19.043M
6535MHz	Pass	Inf	20.68M	19.068M	21.395M	19.1M	21.01M	19.07M	21.12M	19.089M
6695MHz	Pass	Inf	21.065M	19.233M	21.065M	19.126M	21.285M	19.109M	21.285M	19.175M
6855MHz	Pass	Inf	21.725M	19.227M	21.23M	19.099M	21.505M	19.102M	20.68M	19.085M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	39.82M	37.668M	39.27M	37.745M	39.49M	37.774M	39.16M	37.629M
6205MHz	Pass	Inf	39.49M	37.795M	39.27M	37.78M	39.49M	37.775M	39.93M	37.698M
6405MHz	Pass	Inf	39.82M	37.725M	39.16M	37.593M	39.71M	37.656M	39.38M	37.616M
6565MHz	Pass	Inf	39.05M	37.514M	39.38M	37.434M	38.94M	37.456M	39.27M	37.534M
6685MHz	Pass	Inf	39.05M	37.017M	39.49M	37.265M	39.38M	37.071M	39.27M	37.392M
6845MHz	Pass	Inf	38.72M	37.005M	39.27M	37.49M	38.94M	37.316M	39.27M	37.506M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	82.5M	77.26M	81.18M	77.096M	81.18M	77.101M	80.96M	77.021M
6225MHz	Pass	Inf	81.62M	77.355M	81.84M	77.194M	81.62M	77.174M	81.18M	77.123M
6385MHz	Pass	Inf	80.96M	77.425M	80.96M	77.117M	81.4M	77.056M	81.18M	77.127M
6625MHz	Pass	Inf	80.08M	76.328M	80.74M	76.44M	80.74M	76.445M	80.74M	76.866M
6705MHz	Pass	Inf	79.64M	75.809M	80.96M	76.804M	81.18M	76.302M	80.52M	76.568M
6785MHz	Pass	Inf	80.52M	76.123M	81.18M	76.861M	80.74M	76.351M	80.3M	76.449M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	161.92M	155.018M	162.8M	155.216M	164.12M	155.085M	163.68M	154.956M
6185MHz	Pass	Inf	164.12M	155.848M	163.24M	155.049M	164.56M	155.154M	161.48M	154.964M
6345MHz	Pass	Inf	162.36M	154.841M	162.36M	155.062M	162.8M	155.044M	163.68M	154.92M
6665MHz	Pass	Inf	163.24M	153.596M	162.36M	154.082M	164.12M	153.327M	162.36M	154.02M
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	21.065M	18.991M	21.12M	19.057M	20.9M	19.033M	21.505M	19.059M
6195MHz	Pass	Inf	20.79M	19.027M	21.395M	19.025M	20.955M	18.997M	20.845M	19.025M
6415MHz	Pass	Inf	20.46M	18.992M	20.735M	19.042M	20.79M	19.052M	20.9M	19.132M
6535MHz	Pass	Inf	20.955M	19.004M	20.79M	19.043M	21.175M	19.024M	20.295M	19.047M
6695MHz	Pass	Inf	20.68M	19.06M	21.505M	19.016M	21.23M	19.051M	20.735M	19.032M
6855MHz	Pass	Inf	20.405M	19.038M	20.9M	19.05M	20.845M	19.023M	20.57M	19.045M
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	39.71M	37.697M	39.38M	37.635M	39.38M	37.741M	39.49M	37.845M
6205MHz	Pass	Inf	39.27M	37.659M	39.27M	37.707M	39.71M	37.805M	39.49M	37.612M
6405MHz	Pass	Inf	39.6M	37.69M	39.71M	37.636M	39.16M	37.597M	39.71M	37.68M
6565MHz	Pass	Inf	39.93M	37.591M	39.27M	37.7M	39.6M	37.611M	39.49M	37.587M
6685MHz	Pass	Inf	39.27M	37.505M	39.38M	37.589M	39.6M	37.803M	39.49M	37.694M
6845MHz	Pass	Inf	39.82M	37.573M	39.16M	37.736M	39.27M	37.624M	39.49M	37.616M
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.4M	76.722M	81.84M	76.985M	81.4M	77.247M	81.62M	77.072M
6225MHz	Pass	Inf	81.18M	77.004M	80.96M	77.233M	80.74M	77.172M	81.84M	77.074M
6385MHz	Pass	Inf	79.86M	76.875M	80.96M	77.202M	81.18M	76.855M	80.52M	77.149M
6625MHz	Pass	Inf	81.62M	76.738M	80.52M	77.132M	81.4M	75.64M	81.18M	76.973M
6705MHz	Pass	Inf	81.18M	77.165M	82.06M	77.056M	81.62M	77.063M	81.4M	77.149M
6785MHz	Pass	Inf	80.52M	76.978M	80.74M	77.192M	82.06M	76.672M	81.4M	77.077M
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	163.24M	154.724M	163.68M	155.773M	163.68M	154.789M	164.12M	154.66M
6185MHz	Pass	Inf	161.48M	153.951M	162.36M	155.457M	165.44M	154.932M	163.24M	155.458M
6345MHz	Pass	Inf	166.32M	155.411M	164.56M	155.122M	164.12M	155.449M	164.56M	155.23M
6665MHz	Pass	Inf	161.48M	154.052M	162.8M	155.042M	162.36M	154.85M	162.8M	154.624M

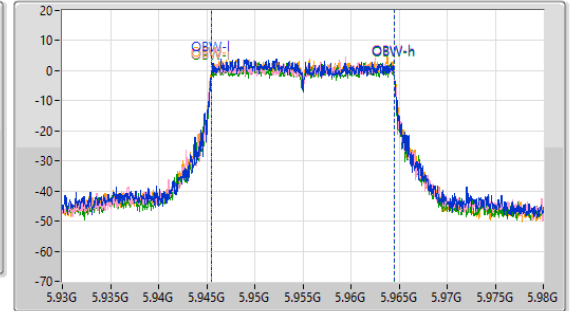
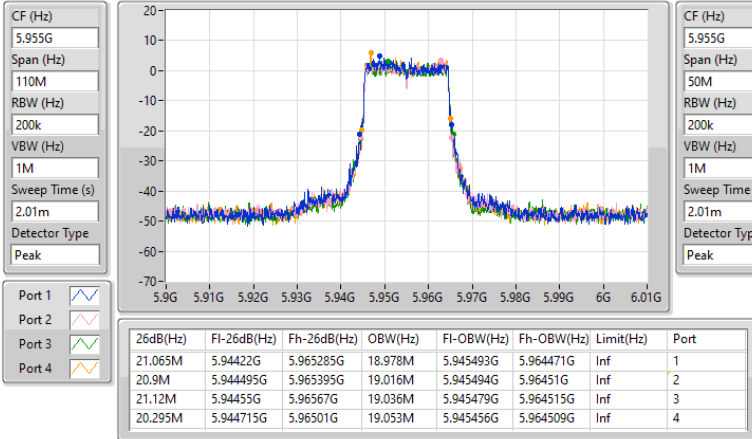
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5955MHz

24/06/2024

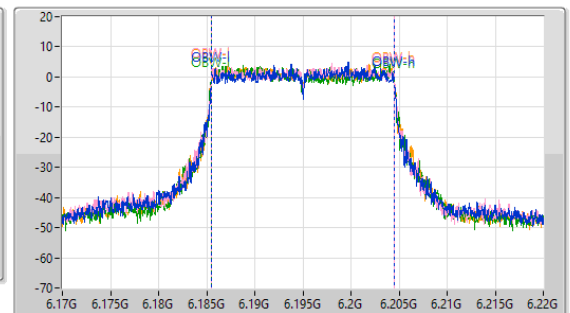
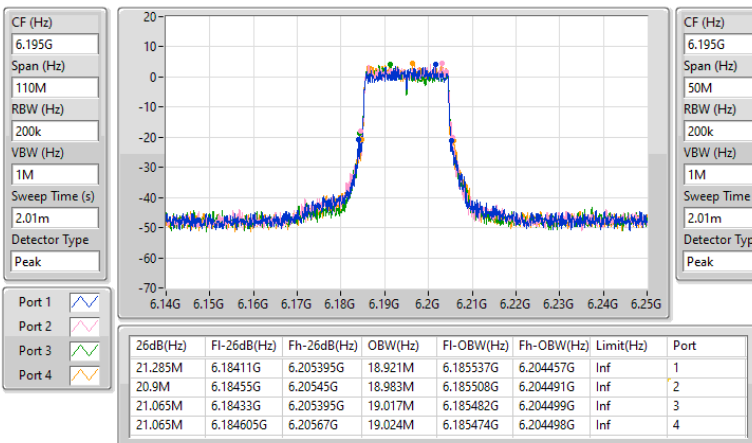


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6195MHz

24/06/2024

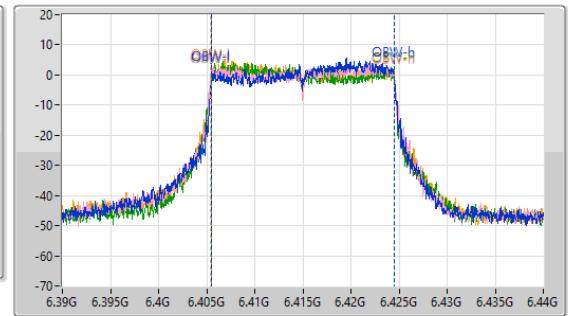
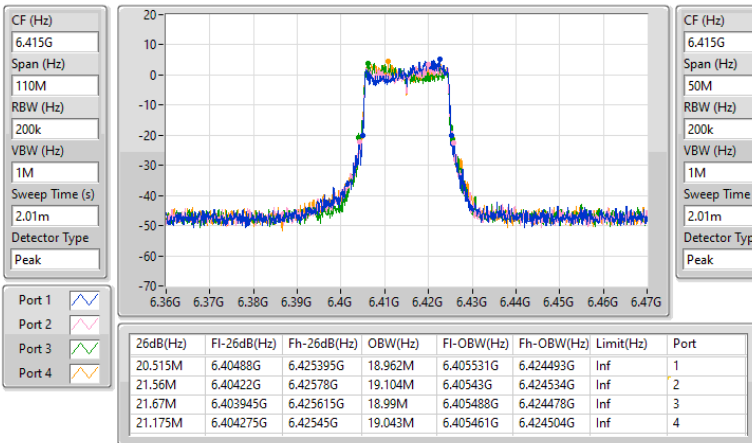


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6415MHz

24/06/2024

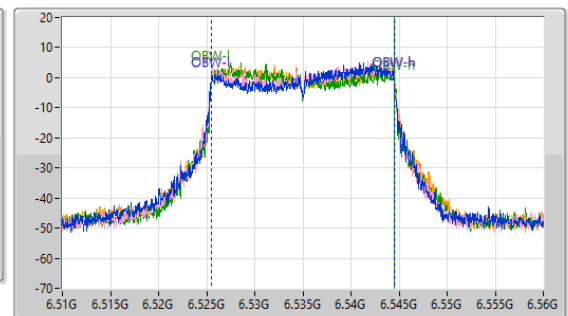
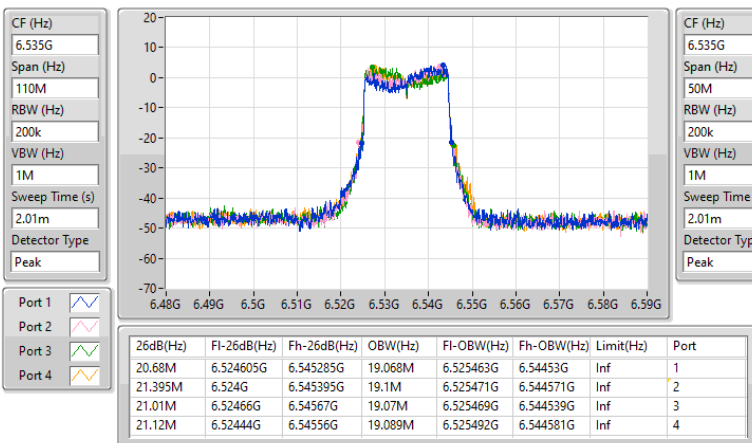


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

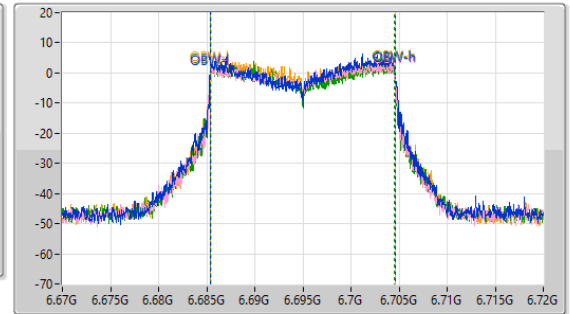
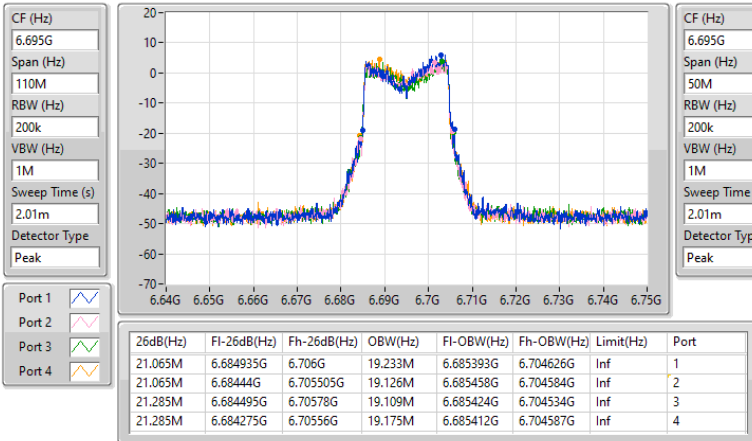
6535MHz

24/06/2024

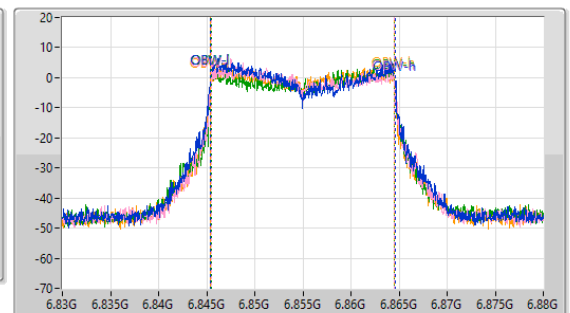
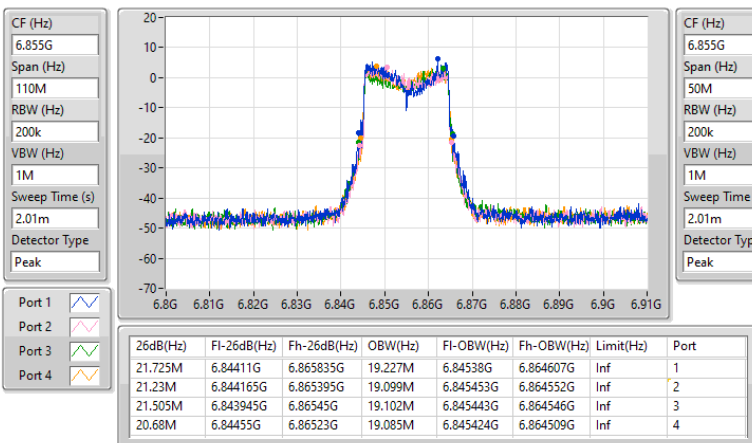


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6695MHz

24/06/2024

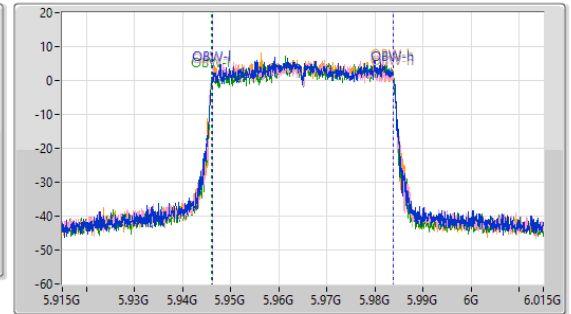
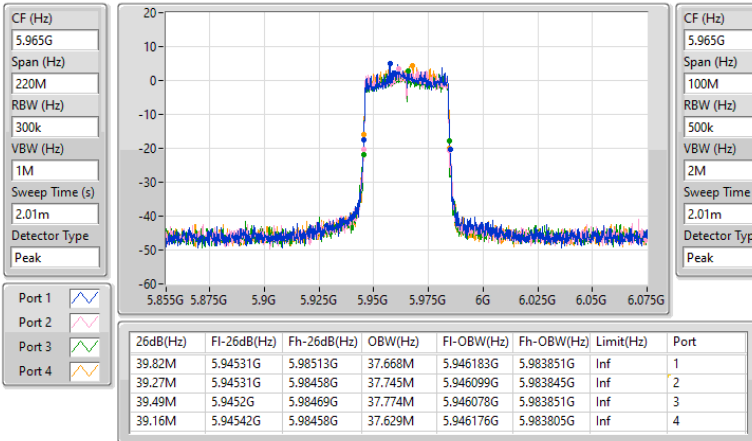

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6855MHz

24/06/2024

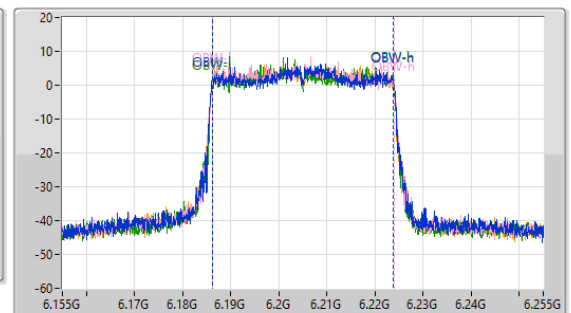
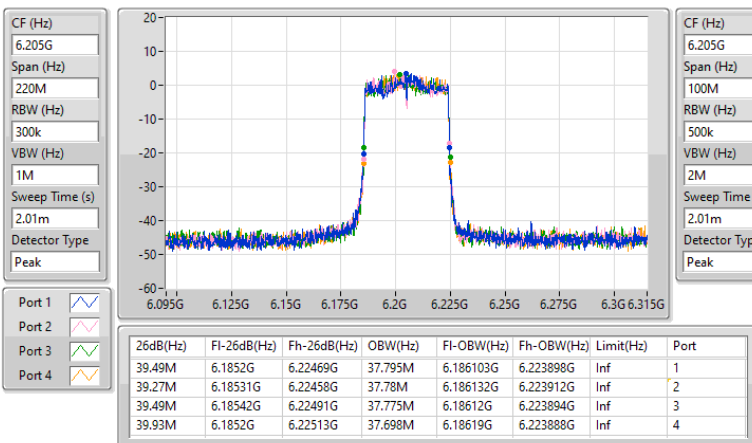


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5965MHz

24/06/2024


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

24/06/2024

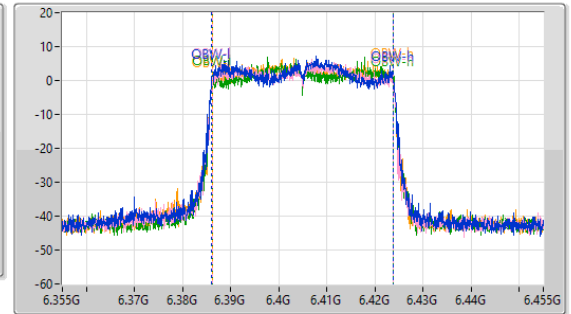
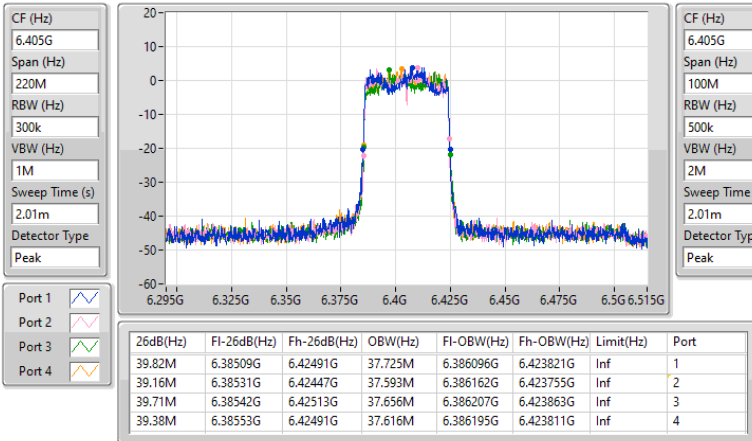


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6405MHz

24/06/2024

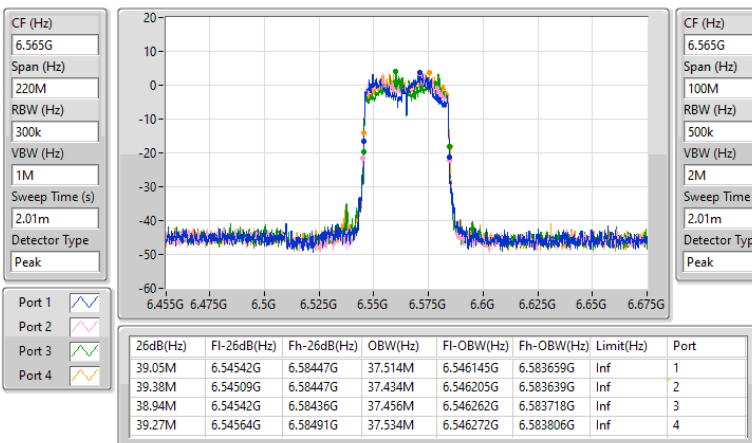


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

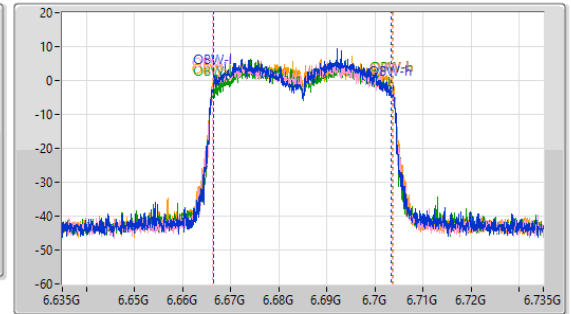
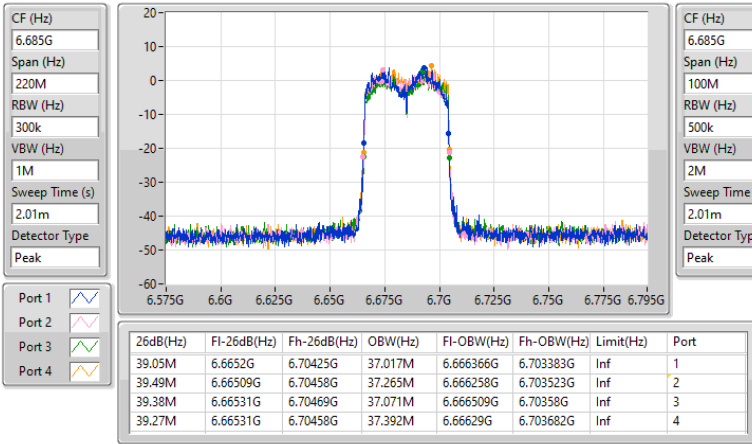
6565MHz

24/06/2024

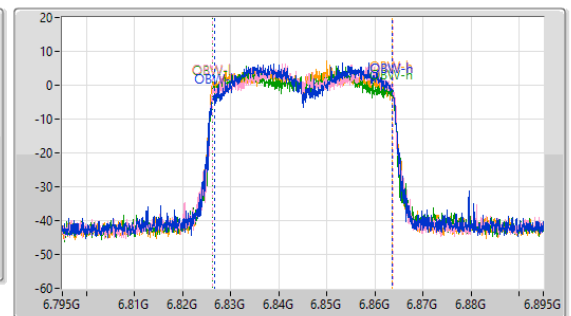
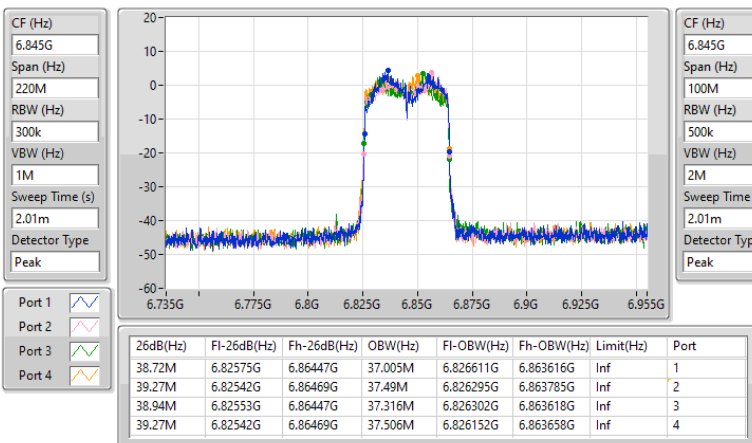


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6685MHz

24/06/2024

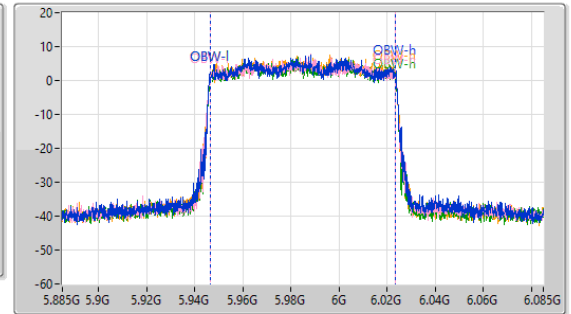
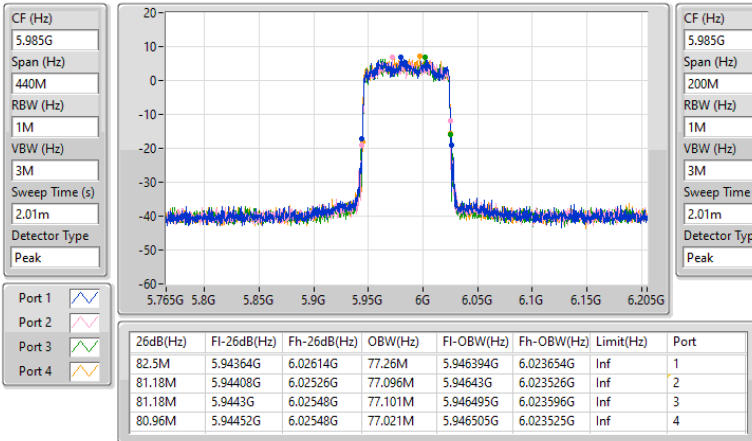

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6845MHz

24/06/2024

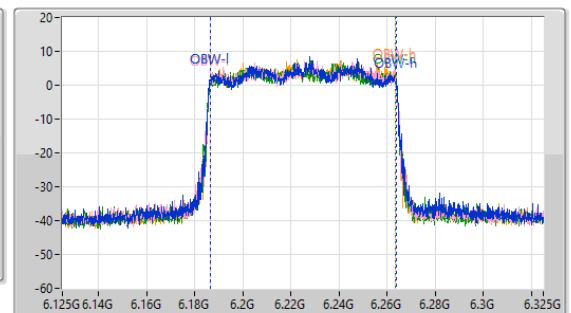
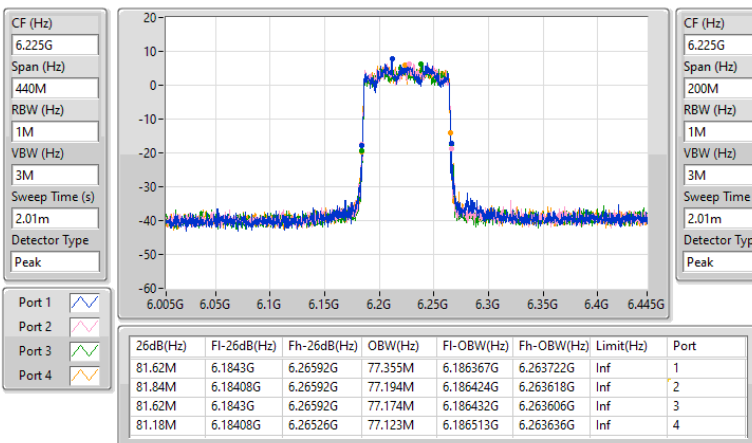


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
5985MHz

24/06/2024

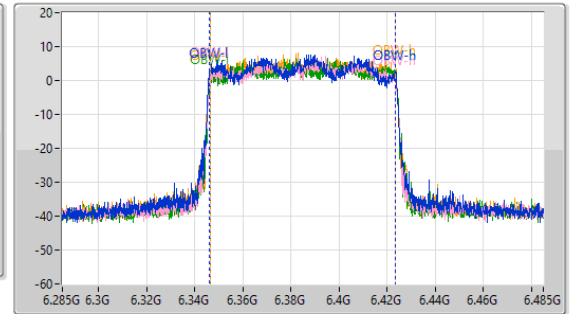
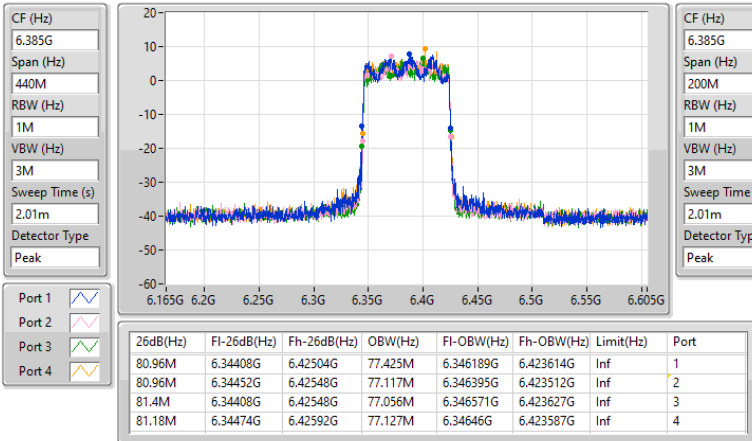

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6225MHz

24/06/2024

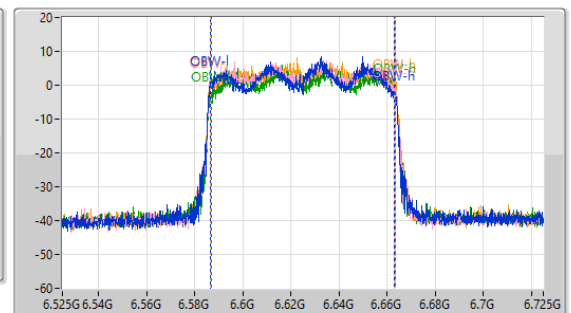
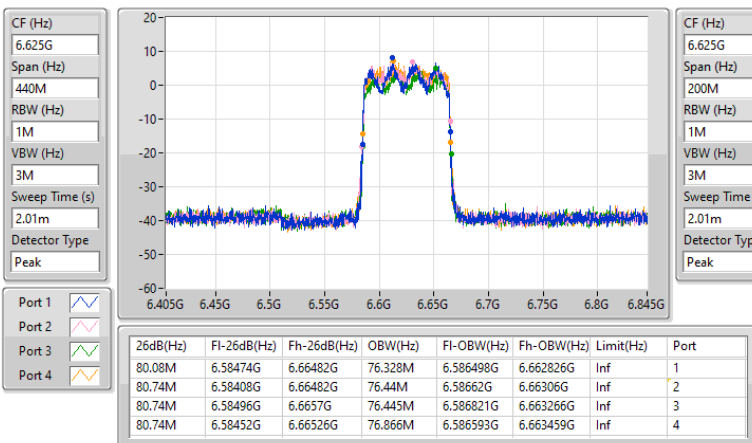


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6385MHz

24/06/2024

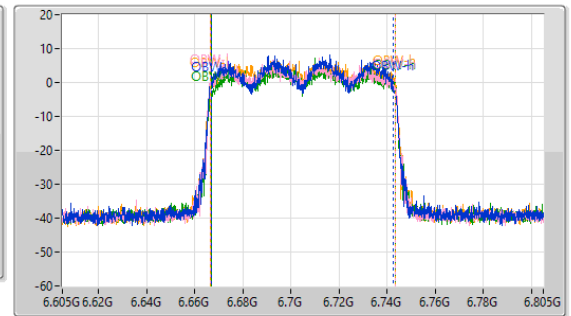
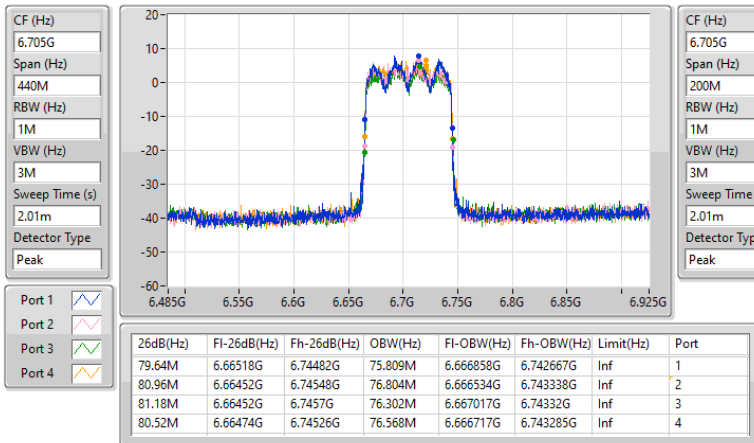

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6625MHz

24/06/2024

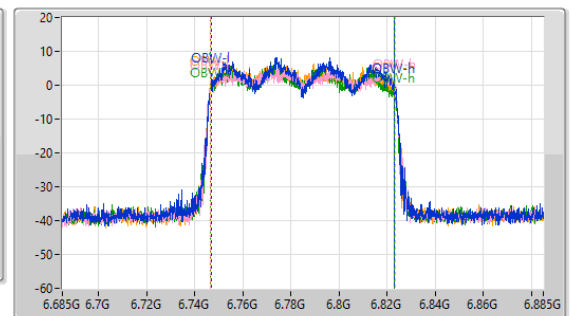
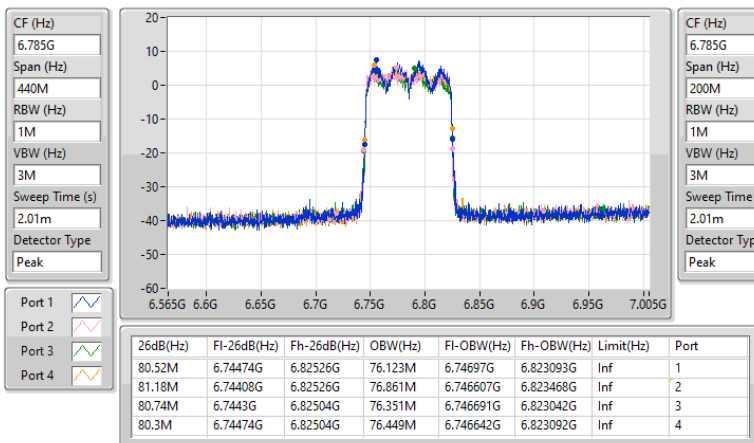


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6705MHz

24/06/2024


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

24/06/2024

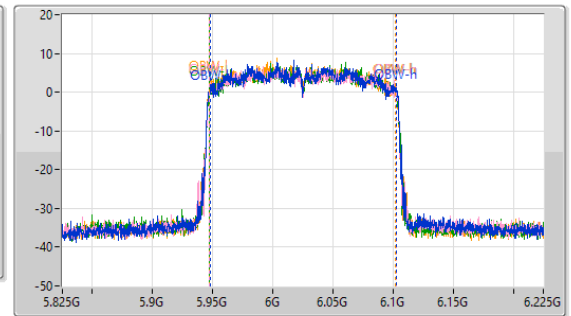
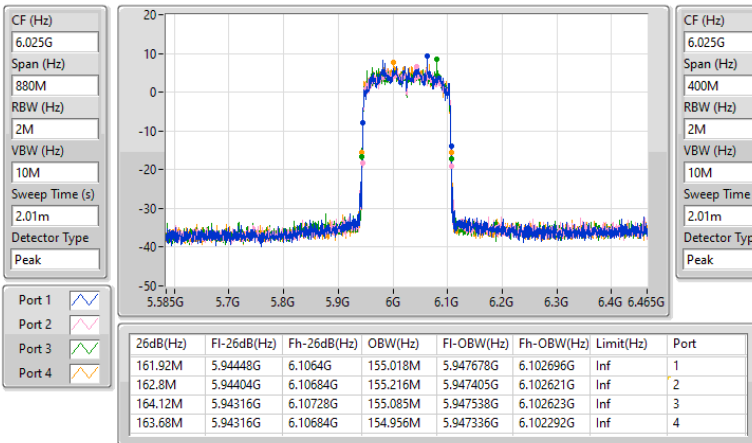


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6025MHz

24/06/2024

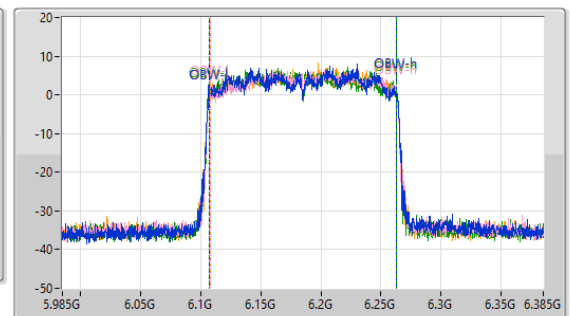
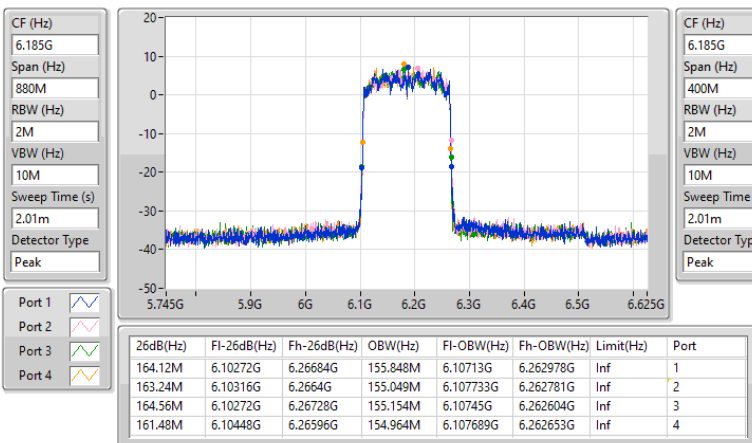


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

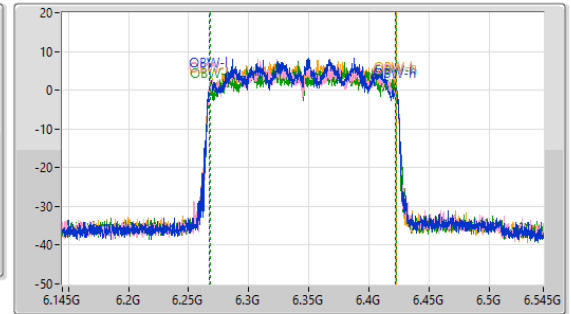
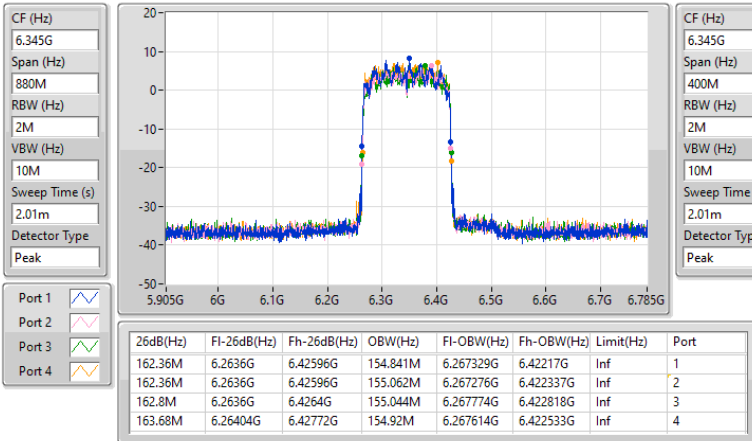
6185MHz

24/06/2024

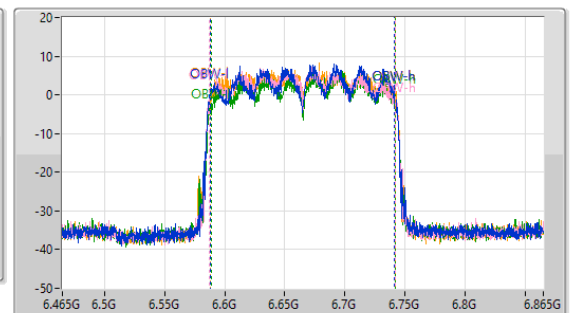
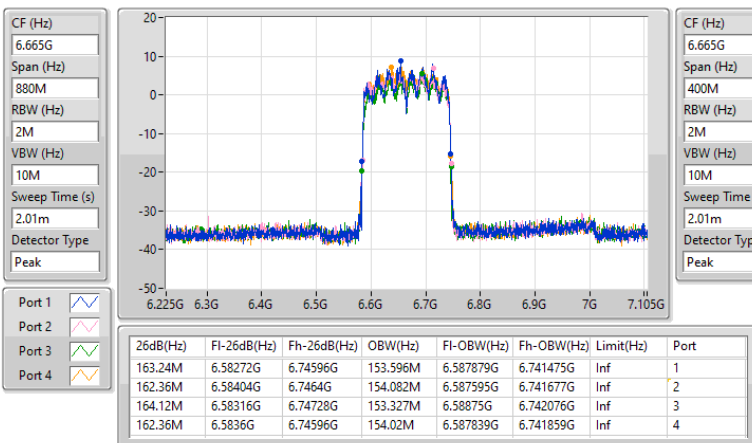


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6345MHz

24/06/2024


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

24/06/2024

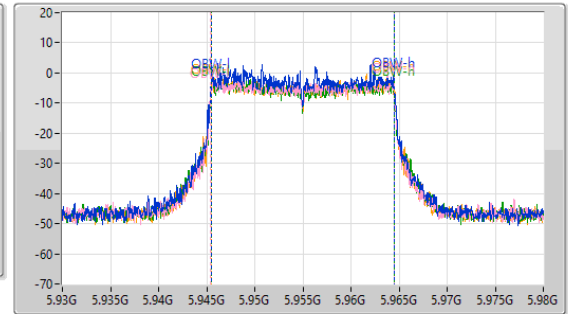
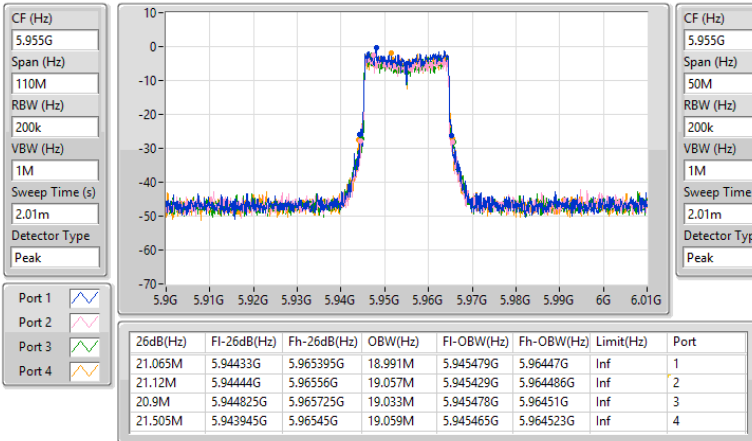


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX

EBW

5955MHz

24/06/2024

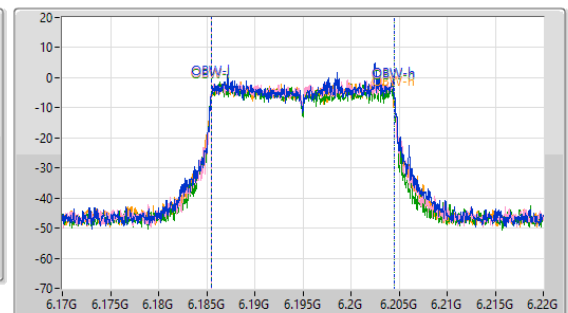
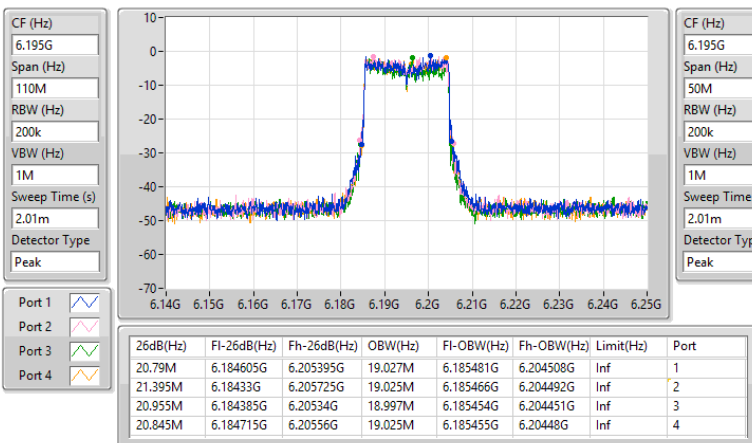


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX

EBW

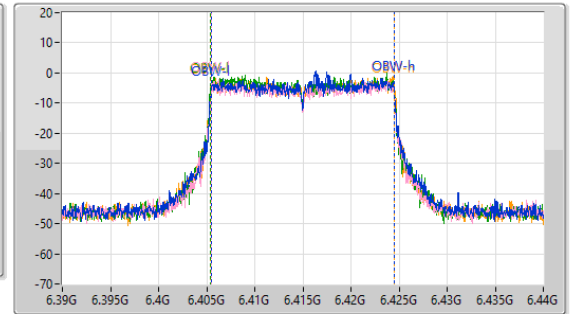
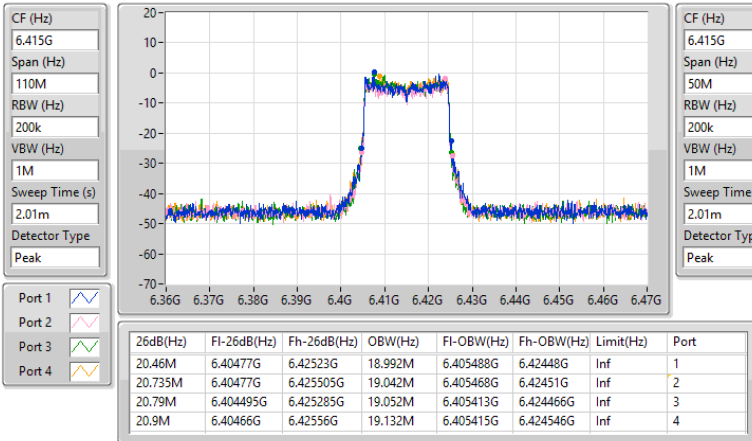
6195MHz

24/06/2024

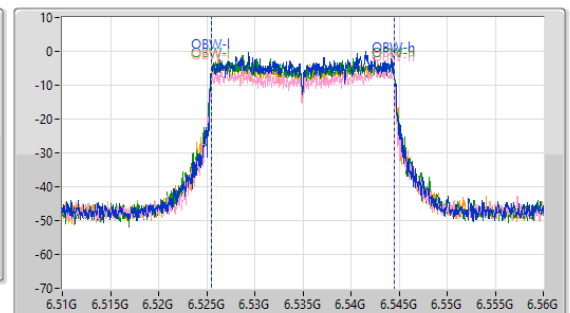
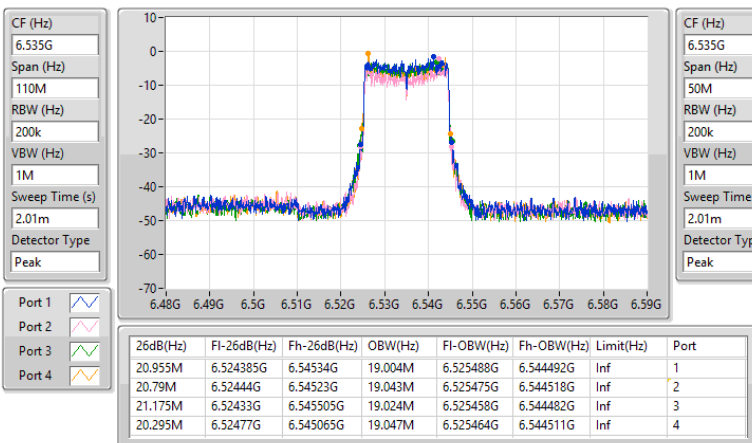


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX
EBW
6415MHz

24/06/2024

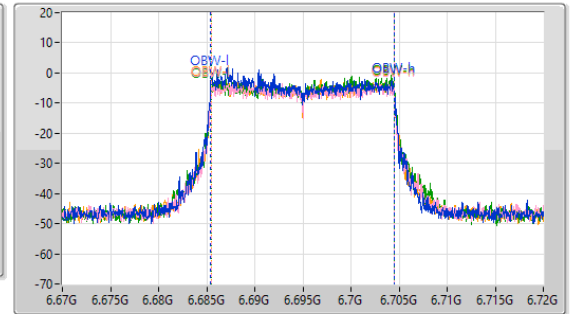
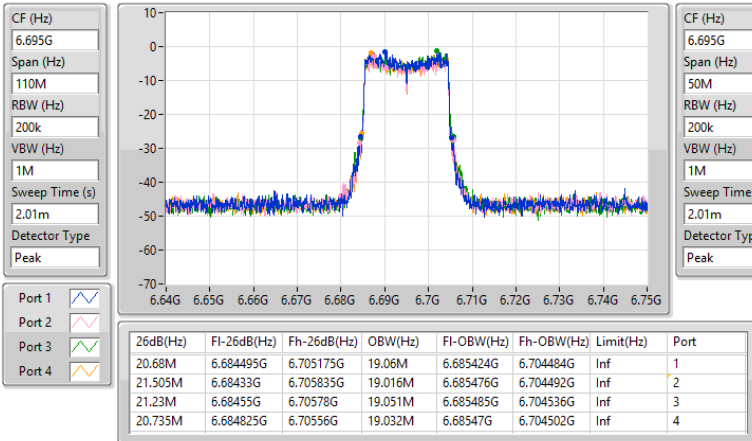

6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX
EBW
6535MHz

24/06/2024

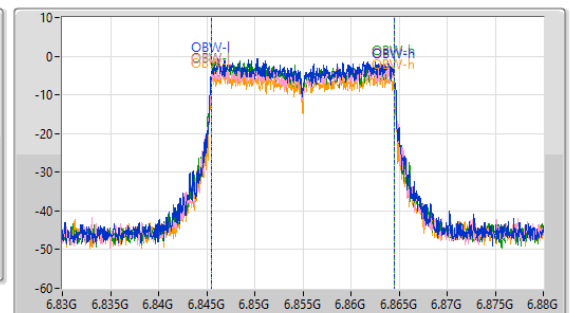
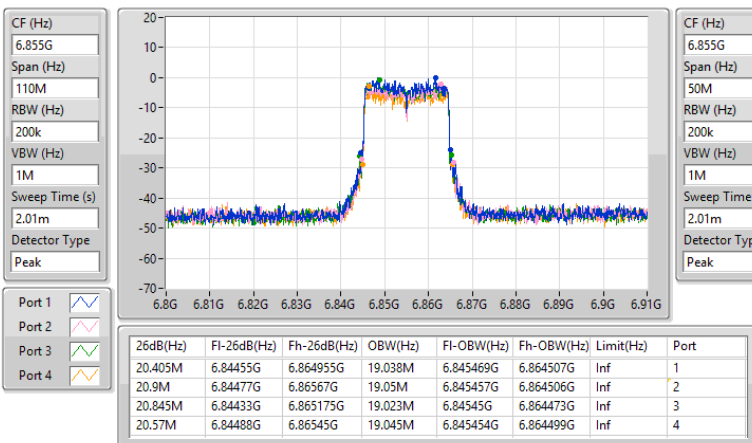


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX
EBW
6695MHz

24/06/2024


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX
EBW
6855MHz

25/06/2024

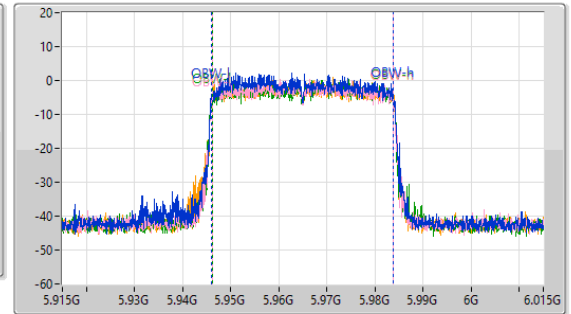
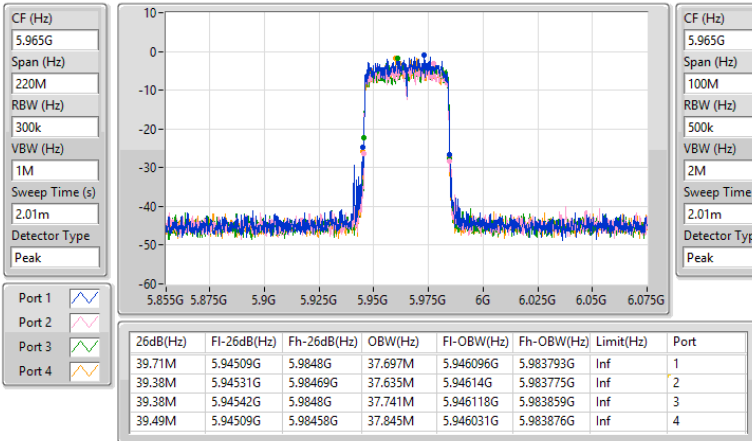


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

5965MHz

25/06/2024

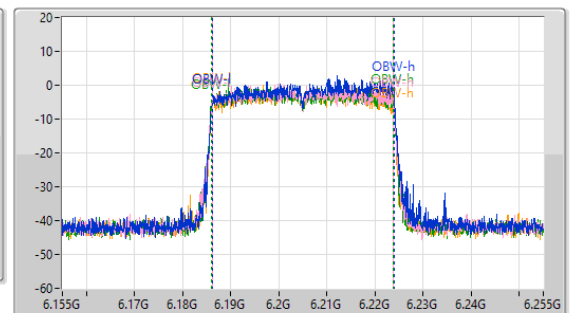
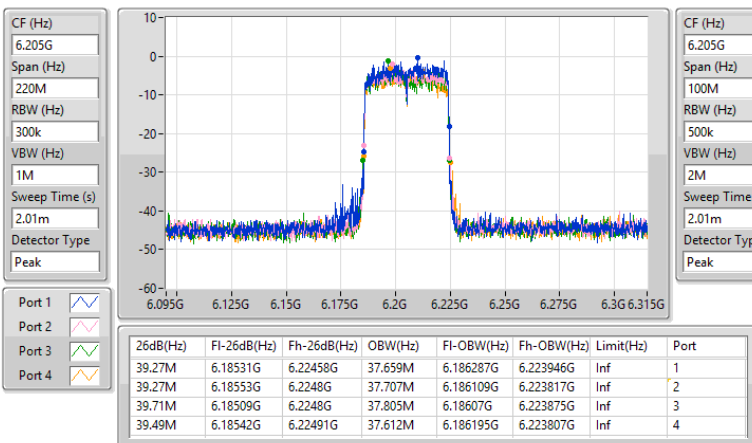


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6205MHz

25/06/2024

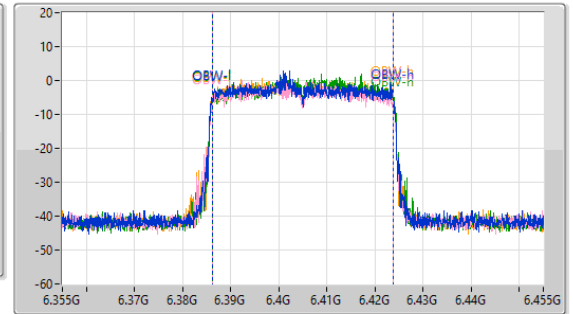
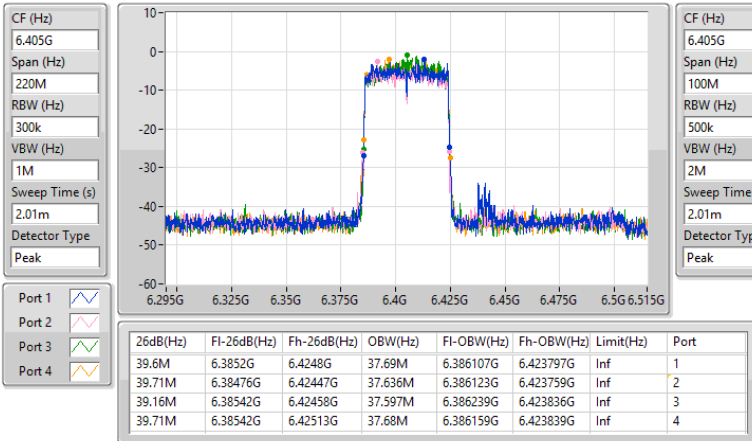


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6405MHz

25/06/2024

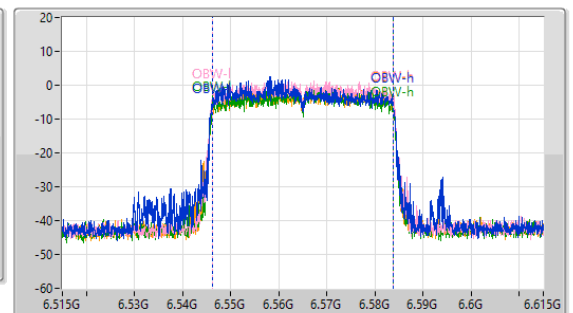
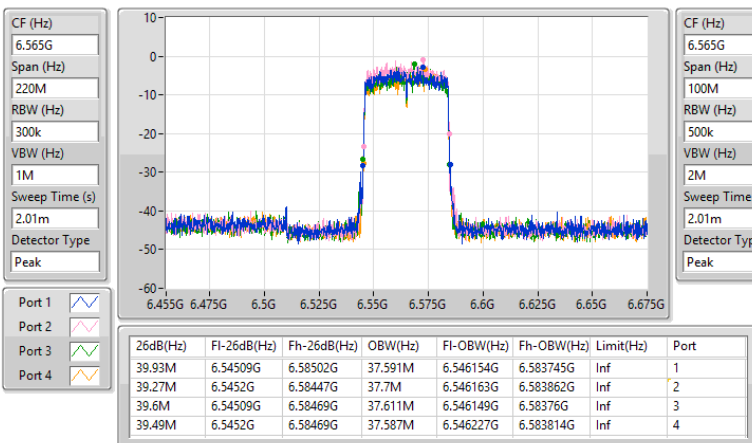


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6565MHz

25/06/2024

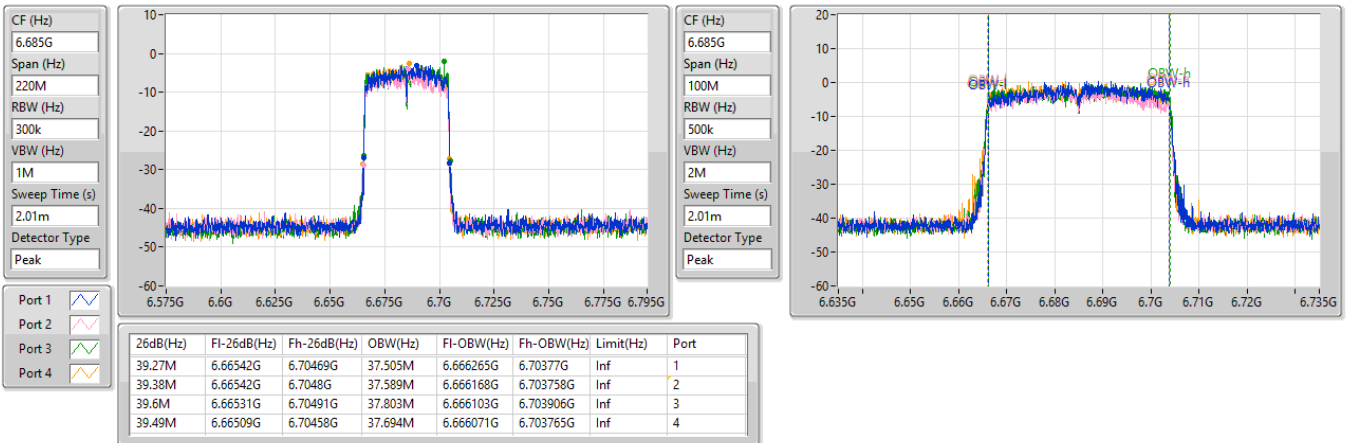


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6685MHz

25/06/2024

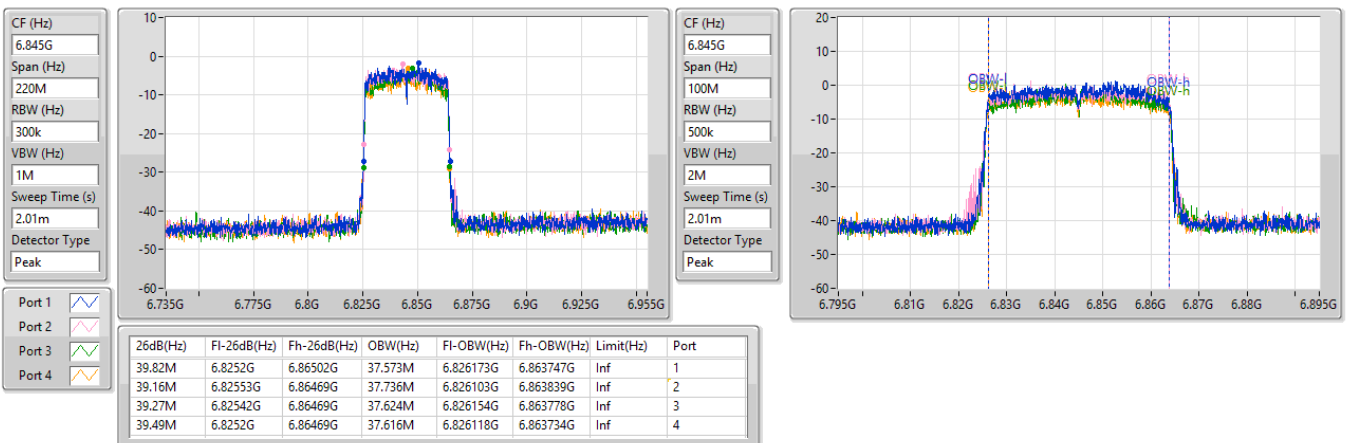


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

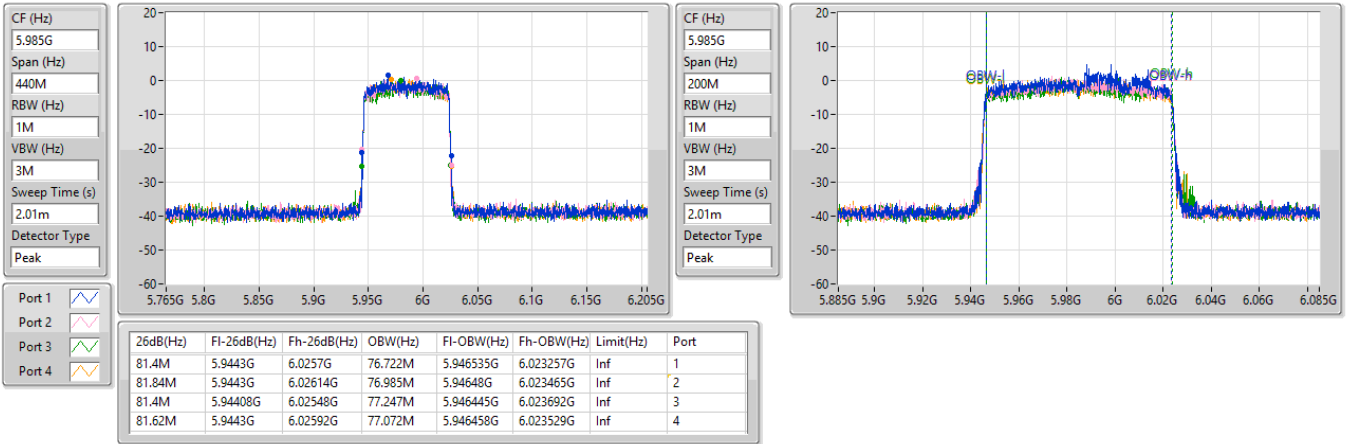
6845MHz

25/06/2024

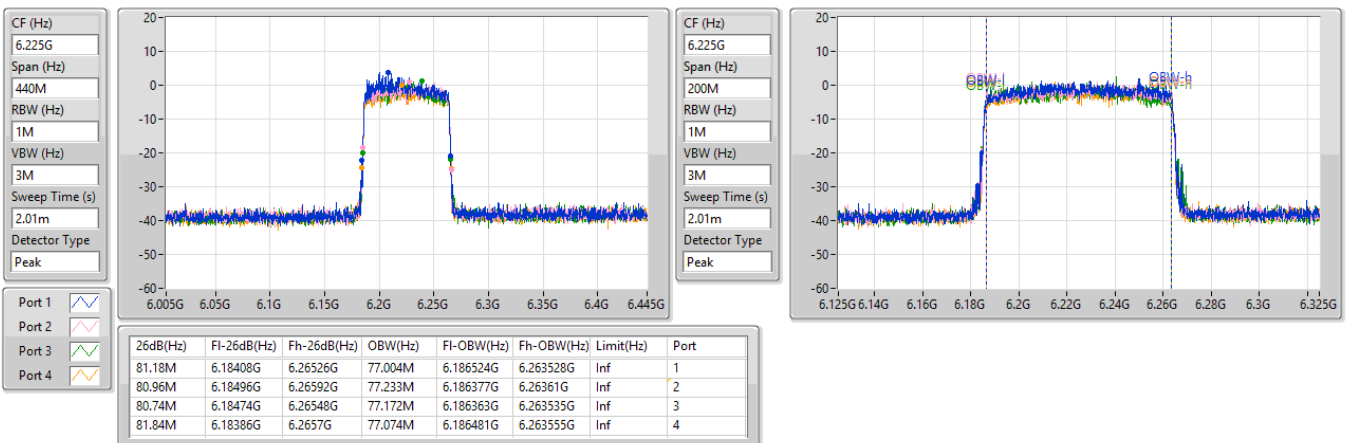


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX
EBW
5985MHz

25/06/2024


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX
EBW
6225MHz

25/06/2024

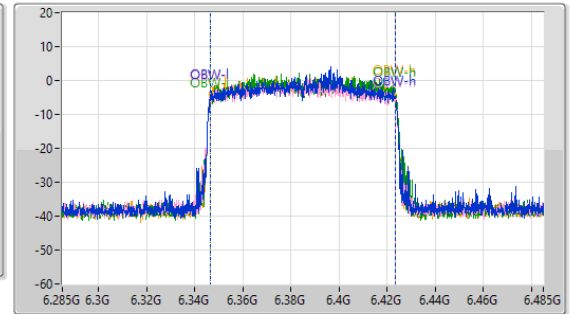
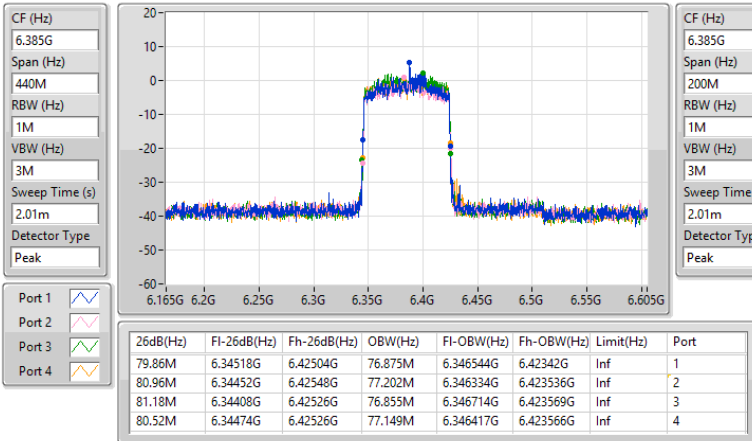


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX

EBW

6385MHz

25/06/2024

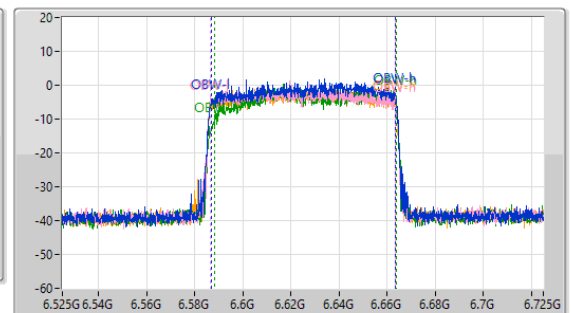
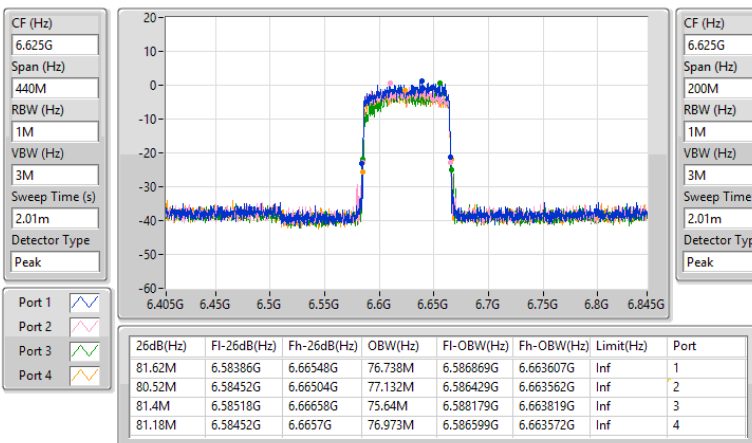


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX

EBW

6625MHz

25/06/2024

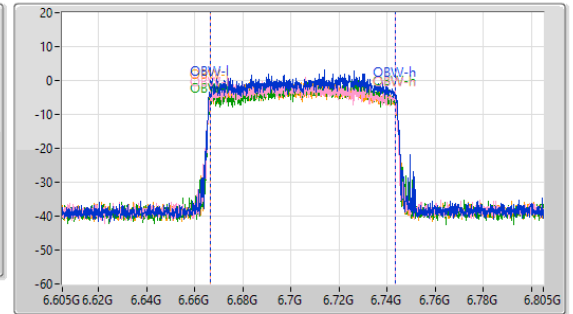
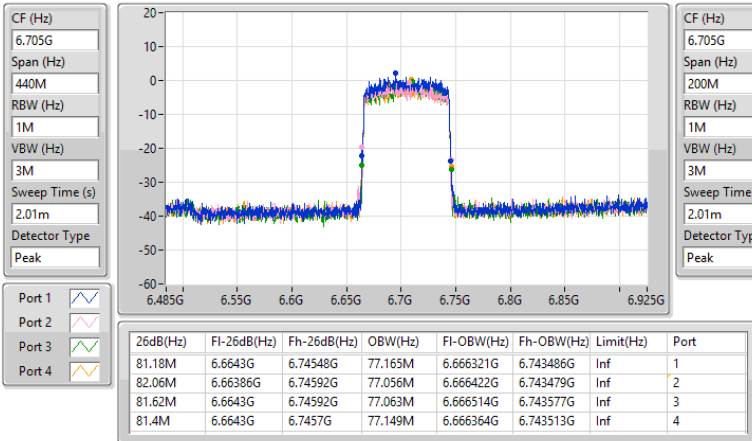


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX

EBW

6705MHz

25/06/2024

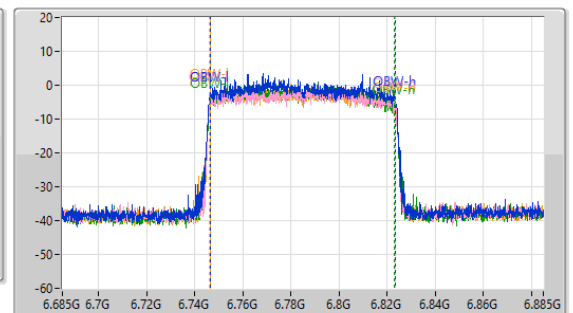
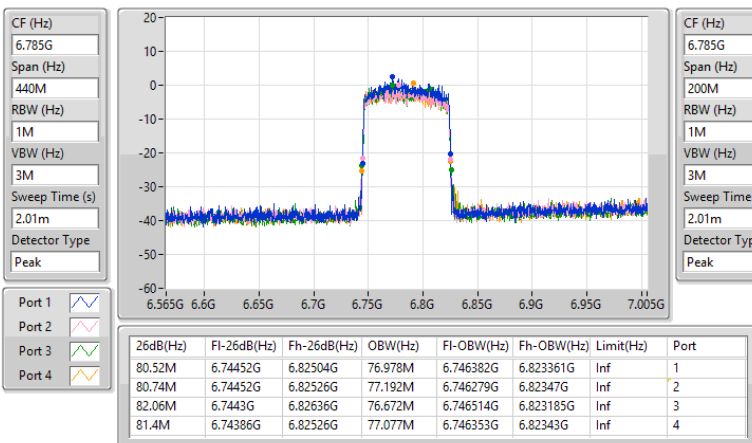


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX

EBW

6785MHz

25/06/2024

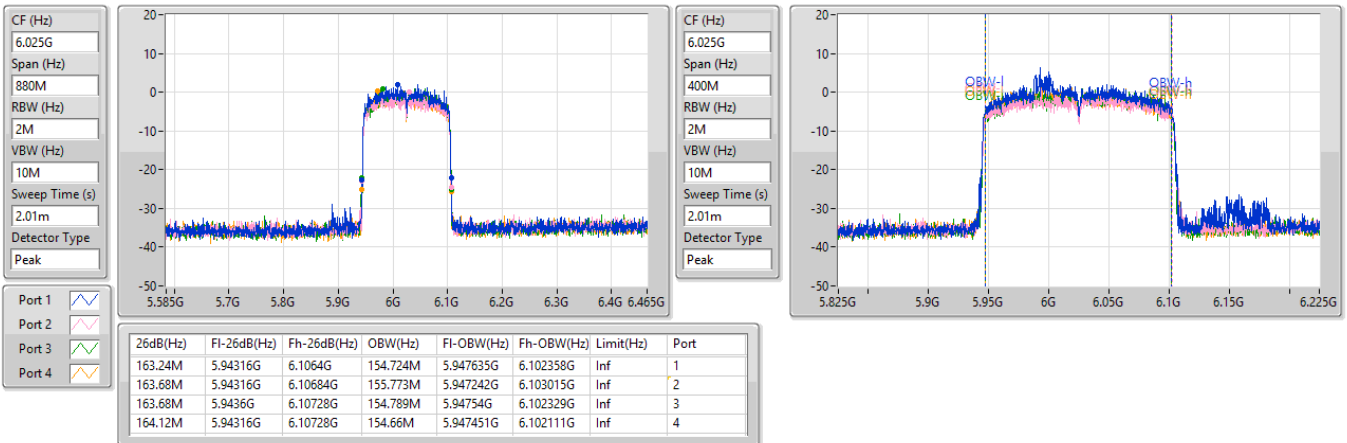


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6025MHz

25/06/2024

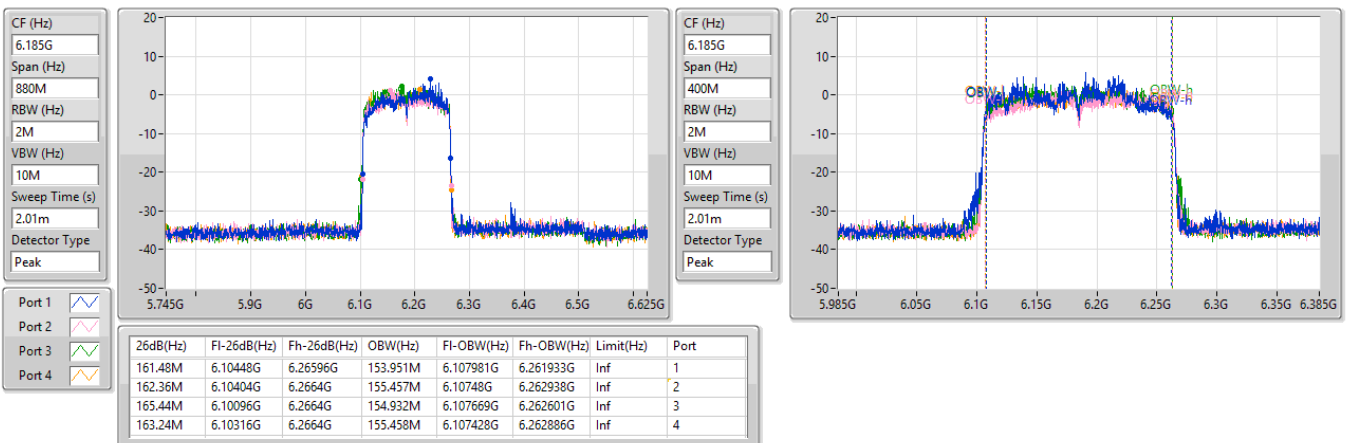


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6185MHz

25/06/2024

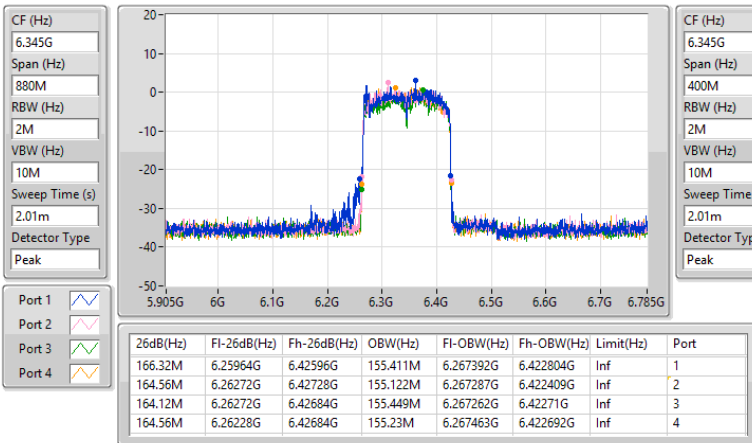


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6345MHz

25/06/2024

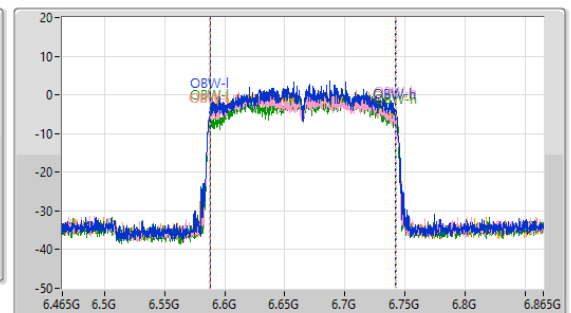
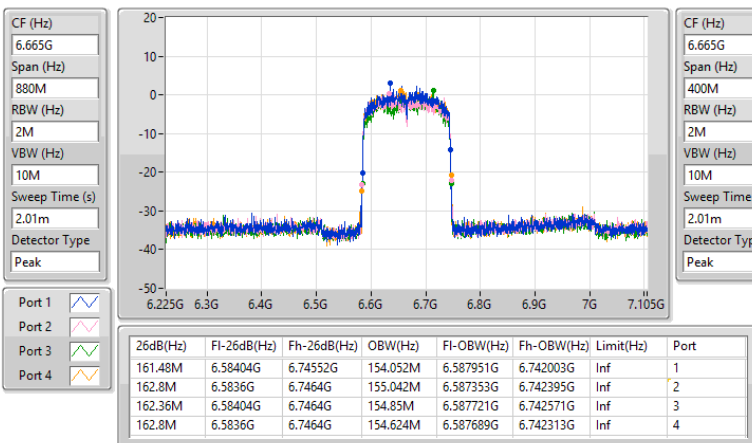


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6665MHz

25/06/2024



Test Mode: Mode 2
Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.67M	19.104M	19M1D1D	20.295M	18.96M
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	21.615M	19.062M	19M1D1D	20.185M	18.986M
802.11ax HEW40_Nss1,(MCS0)_4TX	39.93M	37.795M	37M8D1D	39.16M	37.619M
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	39.93M	37.786M	37M8D1D	38.94M	37.492M
802.11ax HEW80_Nss1,(MCS0)_4TX	82.5M	77.355M	77M4D1D	80.74M	77.007M
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	84.26M	77.274M	77M3D1D	80.3M	76.769M
802.11ax HEW160_Nss1,(MCS0)_4TX	164.56M	155.848M	156MD1D	161.48M	154.841M
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	165.88M	155.667M	156MD1D	161.92M	154.252M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22M	19.205M	19M2D1D	20.735M	19.023M
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	21.56M	19.076M	19M1D1D	20.405M	18.995M
802.11ax HEW40_Nss1,(MCS0)_4TX	39.71M	37.57M	37M6D1D	38.94M	37.042M
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	41.8M	37.86M	37M9D1D	38.94M	37.479M
802.11ax HEW80_Nss1,(MCS0)_4TX	81.84M	76.853M	76M9D1D	80.08M	75.947M
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	82.06M	77.286M	77M3D1D	80.3M	76.825M
802.11ax HEW160_Nss1,(MCS0)_4TX	163.24M	153.996M	154MD1D	161.48M	153.348M
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	176M	154.928M	155MD1D	161.92M	154.596M

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	21.065M	18.978M	20.9M	19.016M	21.12M	19.036M	20.295M	19.053M
6195MHz	Pass	Inf	20.955M	18.96M	21.175M	18.977M	20.35M	19.014M	21.065M	19.014M
6415MHz	Pass	Inf	20.515M	18.962M	21.56M	19.104M	21.67M	18.99M	21.175M	19.043M
6535MHz	Pass	Inf	20.9M	19.023M	21.78M	19.08M	20.955M	19.071M	21.725M	19.078M
6695MHz	Pass	Inf	20.735M	19.161M	20.9M	19.113M	21.065M	19.096M	20.845M	19.134M
6855MHz	Pass	Inf	22M	19.205M	21.175M	19.074M	21.065M	19.104M	21.395M	19.071M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	39.82M	37.668M	39.27M	37.745M	39.49M	37.774M	39.16M	37.629M
6205MHz	Pass	Inf	39.49M	37.795M	39.27M	37.78M	39.49M	37.775M	39.93M	37.698M
6405MHz	Pass	Inf	39.38M	37.713M	39.27M	37.673M	39.38M	37.64M	39.49M	37.619M
6565MHz	Pass	Inf	39.38M	37.57M	39.49M	37.462M	39.27M	37.493M	39.38M	37.486M
6685MHz	Pass	Inf	39.16M	37.185M	39.6M	37.36M	39.27M	37.223M	39.71M	37.427M
6845MHz	Pass	Inf	38.94M	37.042M	39.05M	37.512M	39.05M	37.321M	39.16M	37.447M
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	82.06M	77.3M	80.74M	77.014M	81.18M	77.167M	80.96M	77.016M
6225MHz	Pass	Inf	81.62M	77.355M	81.84M	77.194M	81.62M	77.174M	81.18M	77.123M
6385MHz	Pass	Inf	81.84M	77.343M	82.5M	77.11M	81.4M	77.007M	80.96M	77.148M
6625MHz	Pass	Inf	80.52M	76.169M	80.08M	76.536M	81.4M	76.359M	80.74M	76.853M
6705MHz	Pass	Inf	80.3M	75.947M	80.96M	76.661M	80.74M	76.266M	80.96M	76.583M
6785MHz	Pass	Inf	80.96M	76.213M	80.96M	76.773M	80.52M	76.439M	81.84M	76.526M
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	161.92M	155.018M	162.8M	155.216M	164.12M	155.085M	163.68M	154.956M
6185MHz	Pass	Inf	164.12M	155.848M	163.24M	155.049M	164.56M	155.154M	161.48M	154.964M
6345MHz	Pass	Inf	162.36M	154.841M	162.36M	155.062M	162.8M	155.044M	163.68M	154.92M
6665MHz	Pass	Inf	161.48M	153.7M	163.24M	153.996M	161.48M	153.348M	162.8M	153.957M
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	Inf	20.79M	19.007M	21.45M	19.011M	21.615M	19.031M	20.405M	19.003M
6195MHz	Pass	Inf	20.79M	19.031M	20.955M	18.99M	20.625M	19.062M	20.735M	18.986M
6415MHz	Pass	Inf	20.955M	19.056M	21.01M	19.062M	20.185M	19.014M	21.175M	19.034M
6535MHz	Pass	Inf	20.57M	19.041M	20.405M	19.076M	20.68M	19.021M	21.12M	19.042M
6695MHz	Pass	Inf	20.57M	19M	21.45M	19.044M	21.56M	19.01M	21.45M	18.995M
6855MHz	Pass	Inf	20.57M	19.012M	20.845M	19.006M	20.735M	19.017M	20.9M	19.038M
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
5965MHz	Pass	Inf	38.94M	37.684M	39.6M	37.722M	39.6M	37.719M	39.16M	37.723M
6205MHz	Pass	Inf	39.05M	37.682M	39.93M	37.743M	39.49M	37.735M	39.16M	37.57M
6405MHz	Pass	Inf	39.6M	37.615M	39.71M	37.786M	39.16M	37.492M	39.93M	37.662M
6565MHz	Pass	Inf	39.05M	37.685M	39.27M	37.718M	39.71M	37.542M	39.38M	37.719M
6685MHz	Pass	Inf	38.94M	37.479M	39.71M	37.545M	39.82M	37.86M	39.71M	37.606M
6845MHz	Pass	Inf	40.48M	37.621M	40.37M	37.671M	40.26M	37.568M	41.8M	37.633M
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
5985MHz	Pass	Inf	81.62M	77.19M	84.26M	77.028M	82.94M	77.004M	80.96M	77.056M
6225MHz	Pass	Inf	82.28M	77.069M	80.3M	77.133M	81.4M	77.181M	81.62M	76.936M
6385MHz	Pass	Inf	81.84M	77.238M	82.94M	76.769M	81.18M	76.887M	82.5M	77.274M
6625MHz	Pass	Inf	81.62M	77.003M	81.18M	77.061M	80.96M	76.909M	80.3M	77.137M
6705MHz	Pass	Inf	81.84M	76.825M	81.4M	77.024M	80.74M	76.873M	82.06M	76.974M
6785MHz	Pass	Inf	80.52M	77.117M	80.3M	77.286M	81.18M	76.999M	80.96M	76.953M
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-	-
6025MHz	Pass	Inf	163.24M	154.814M	161.92M	154.902M	163.24M	155.667M	161.92M	154.583M
6185MHz	Pass	Inf	162.36M	154.9M	162.8M	155.1M	162.36M	154.931M	163.24M	155.143M
6345MHz	Pass	Inf	162.8M	154.252M	165M	154.652M	165.88M	155.311M	162.36M	155.42M
6665MHz	Pass	Inf	176M	154.826M	163.24M	154.596M	163.24M	154.928M	161.92M	154.851M

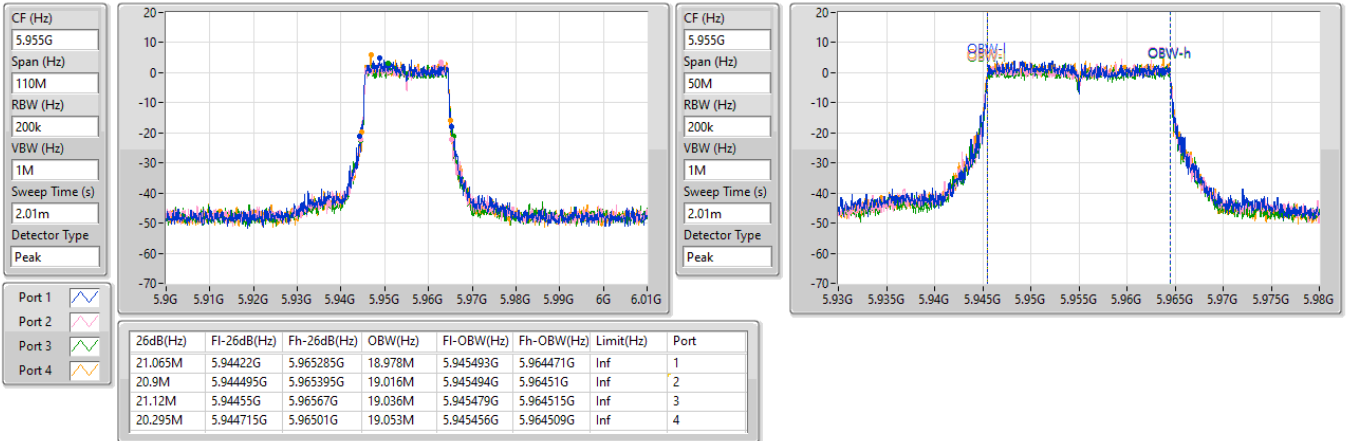
Port X-N dB = Port X 6dB down bandwidth for 5.725-5.85GHz band / 26dB down bandwidth for other band
Port X-OBW = Port X 99% occupied bandwidth

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

EBW

5955MHz

24/06/2024

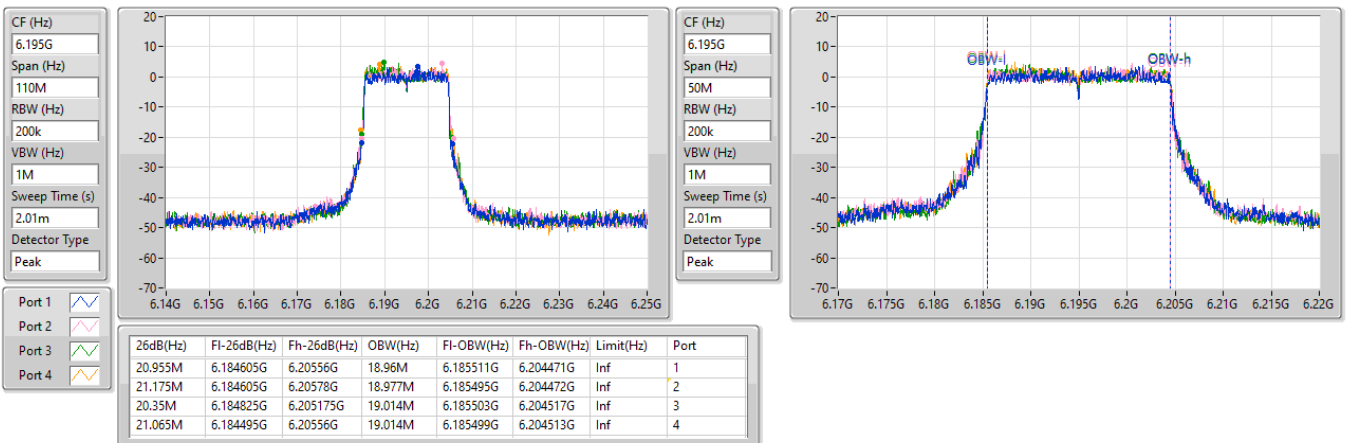


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6195MHz

24/06/2024

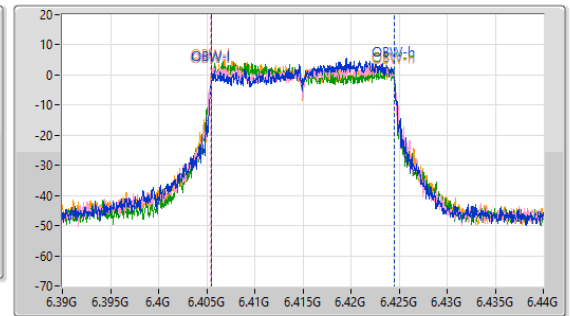
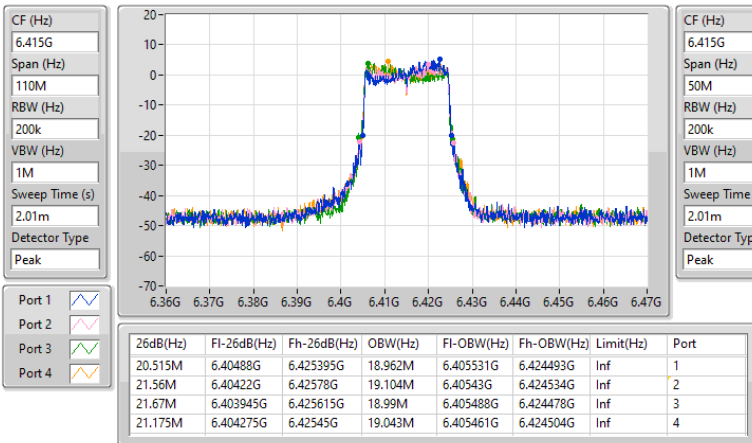


5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

6415MHz

24/06/2024

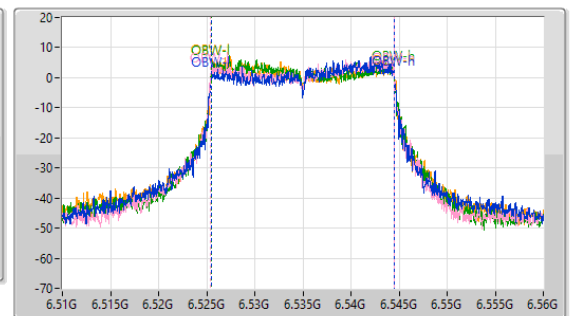
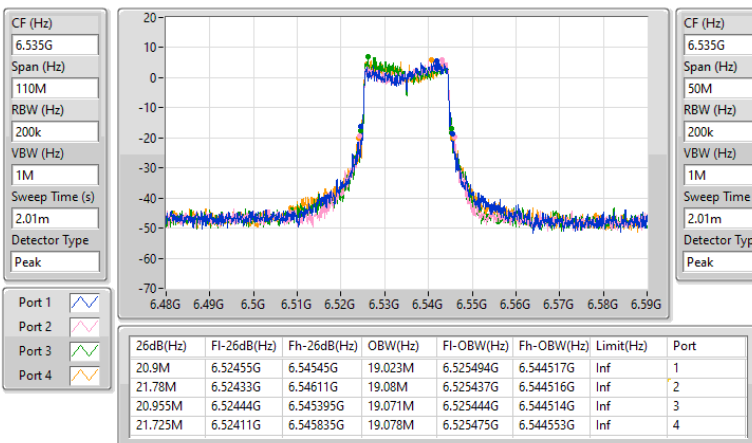


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

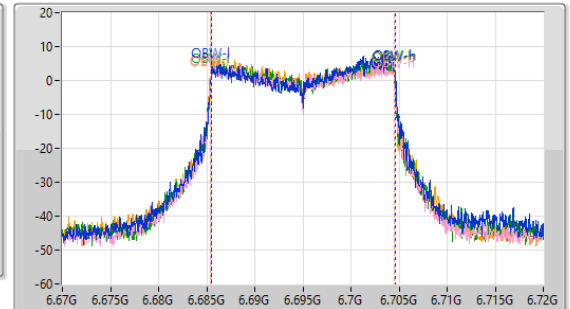
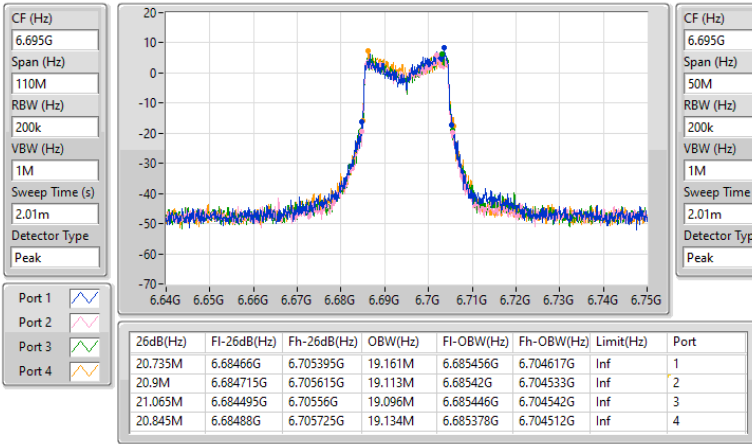
6535MHz

24/06/2024

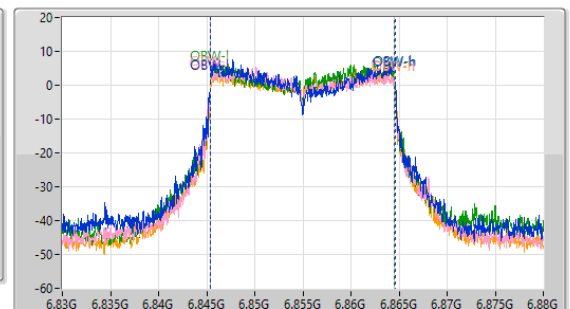
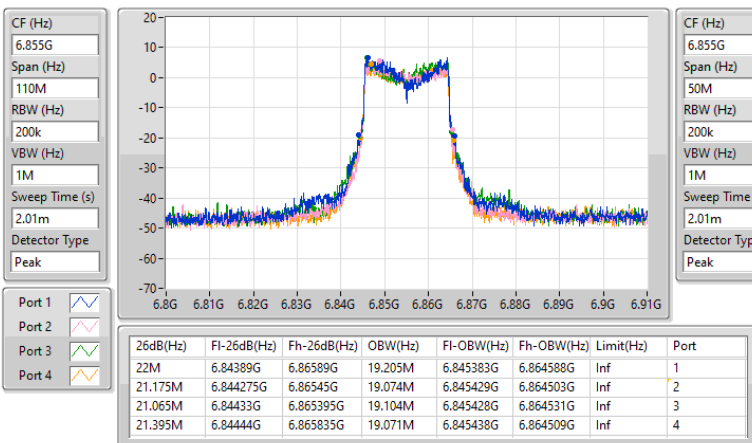


6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6695MHz

24/06/2024

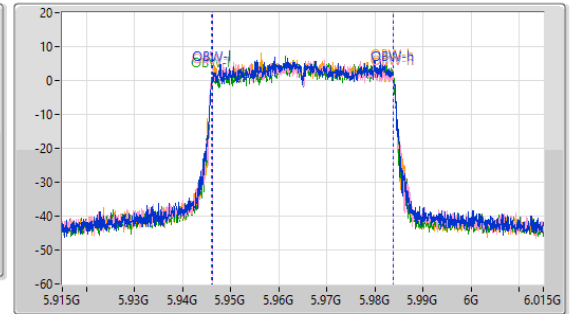
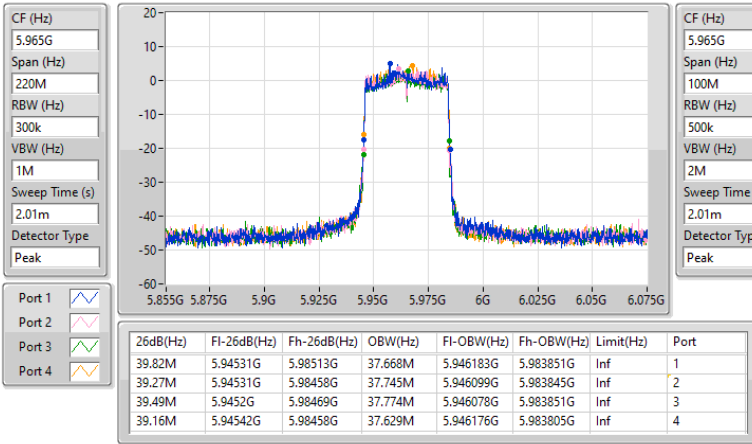

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_4TX
EBW
6855MHz

24/06/2024

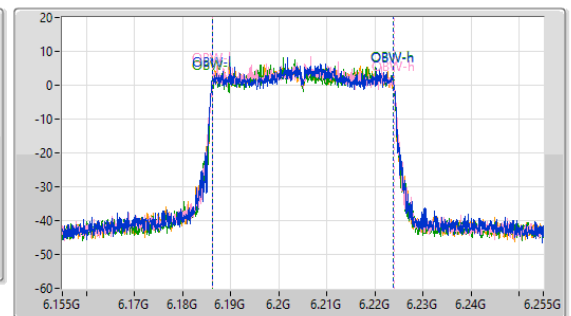
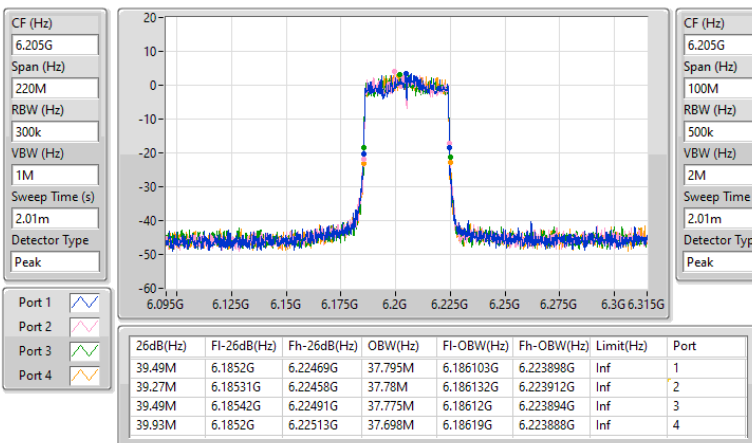


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
5965MHz

24/06/2024


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

24/06/2024

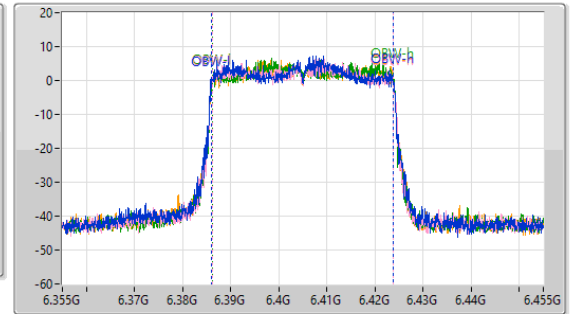
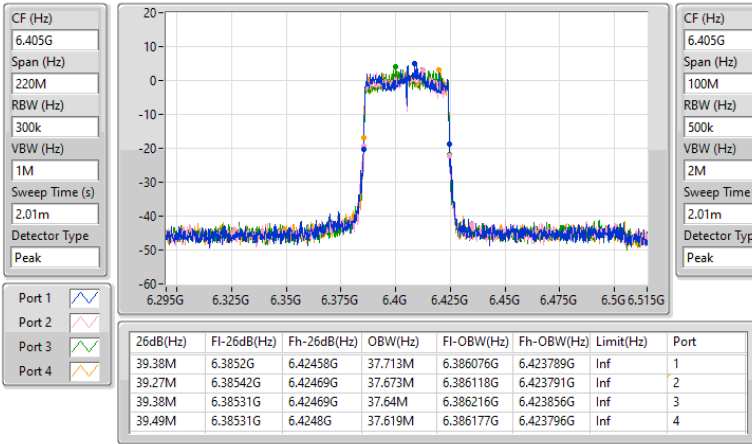


5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

6405MHz

24/06/2024

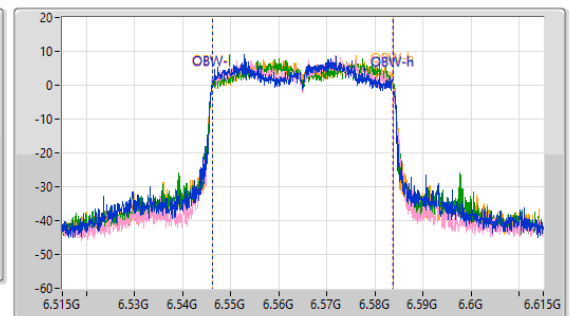
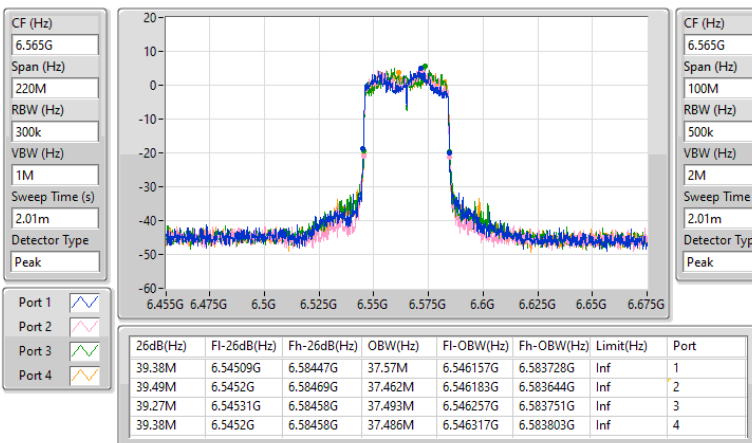


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

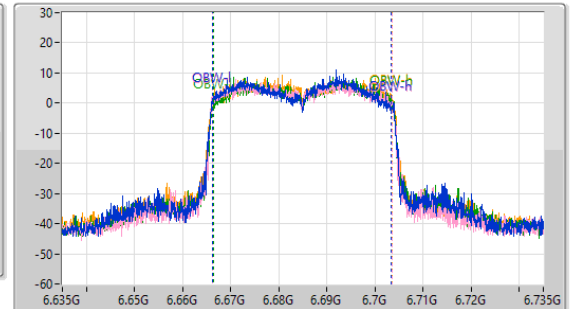
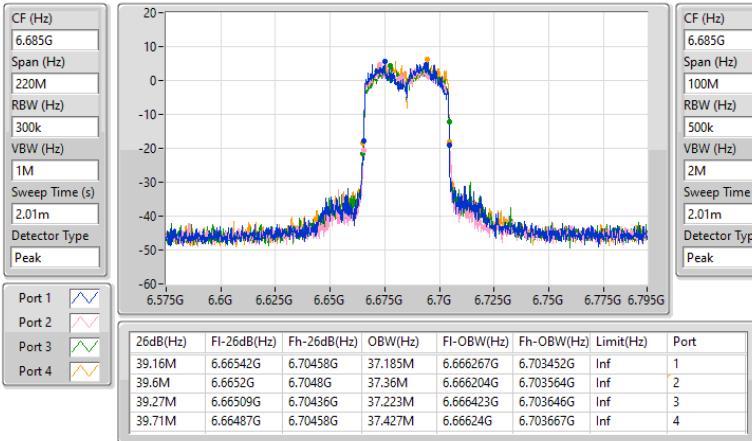
6565MHz

24/06/2024

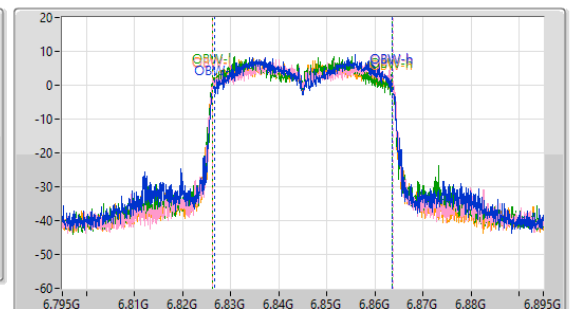
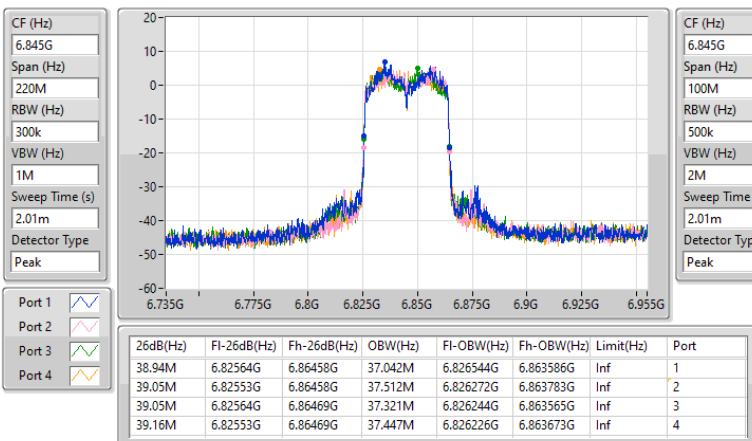


6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_4TX
EBW
6685MHz

24/06/2024


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

24/06/2024

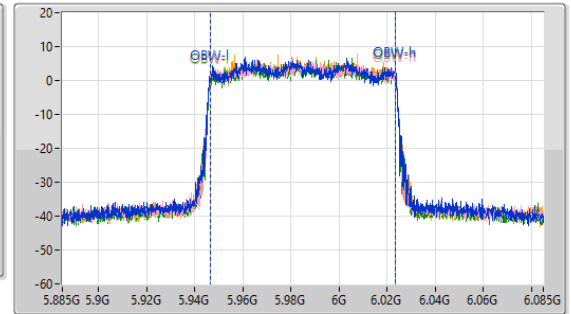
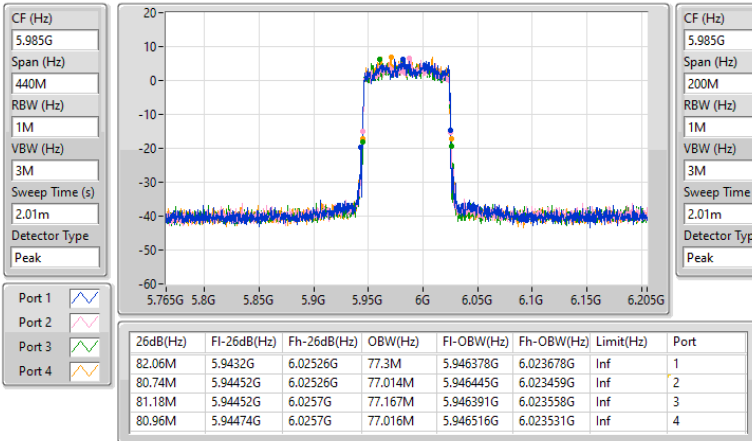


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

5985MHz

24/06/2024

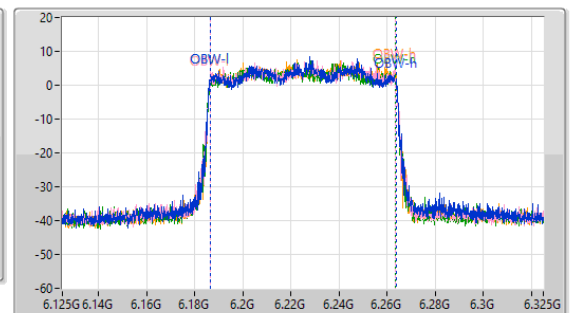
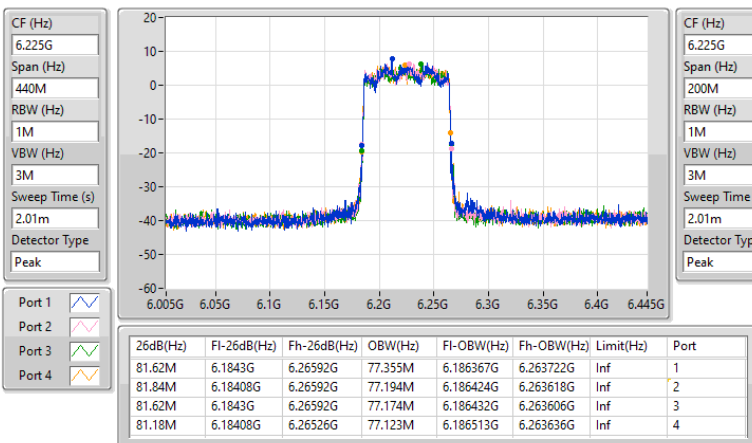


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

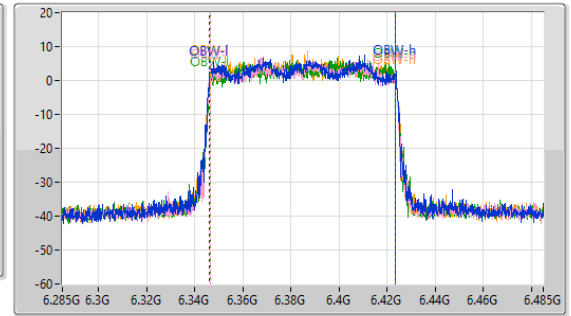
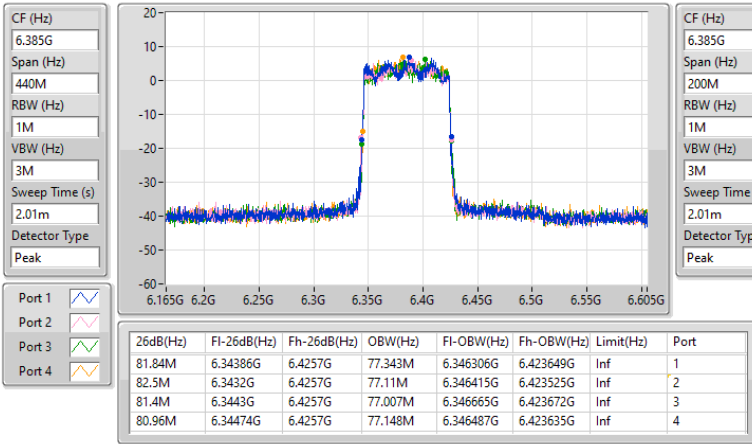
6225MHz

24/06/2024

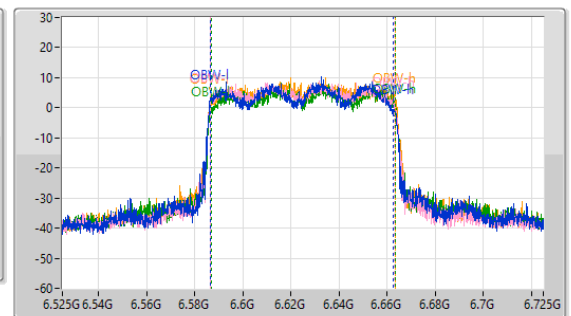
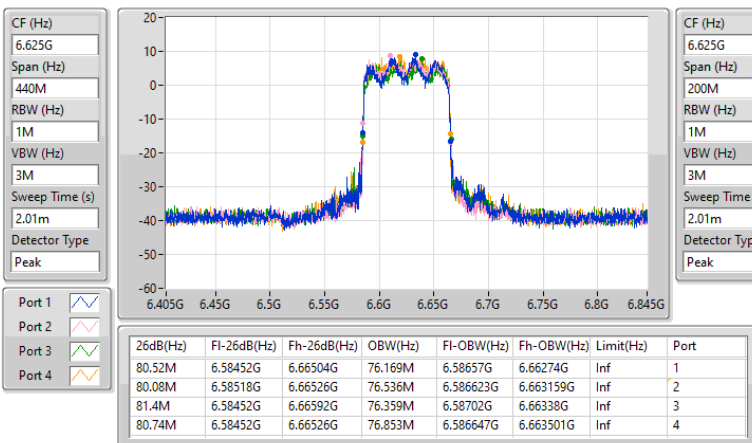


5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_4TX
EBW
6385MHz

24/06/2024


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

24/06/2024

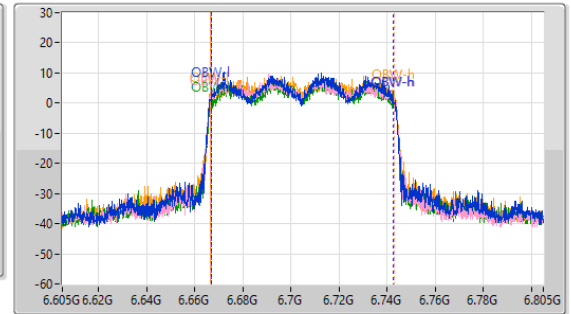
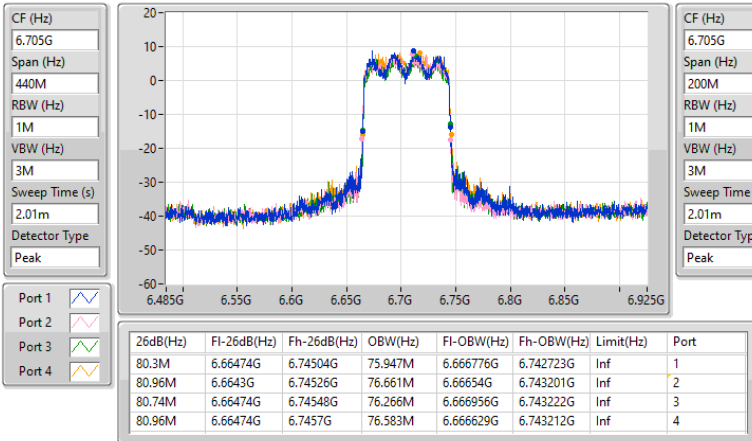


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6705MHz

24/06/2024

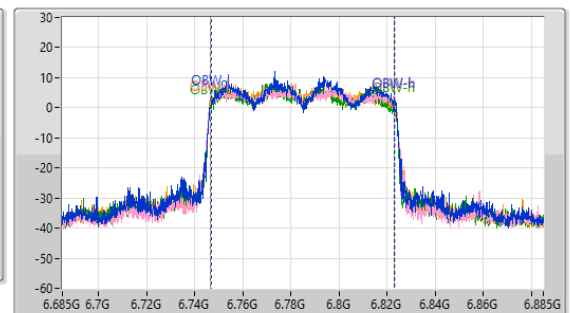
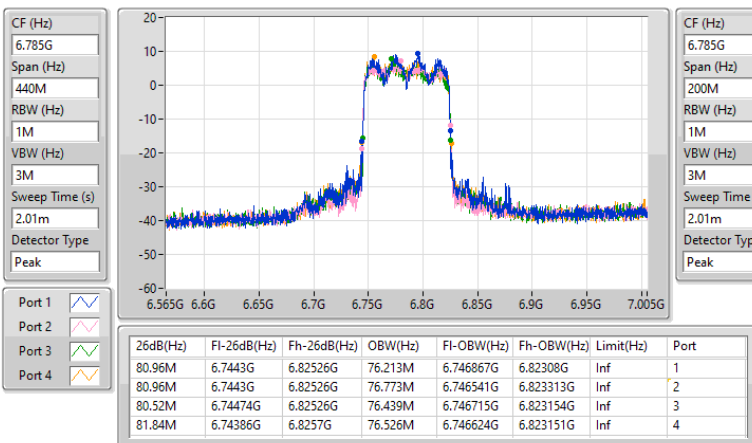


6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_4TX

EBW

6785MHz

24/06/2024

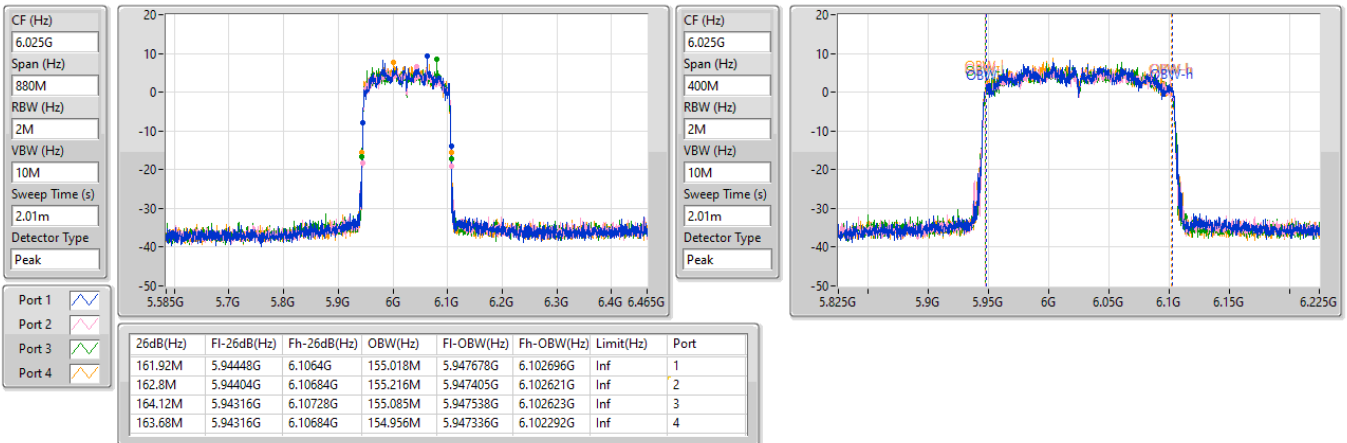


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

6025MHz

24/06/2024

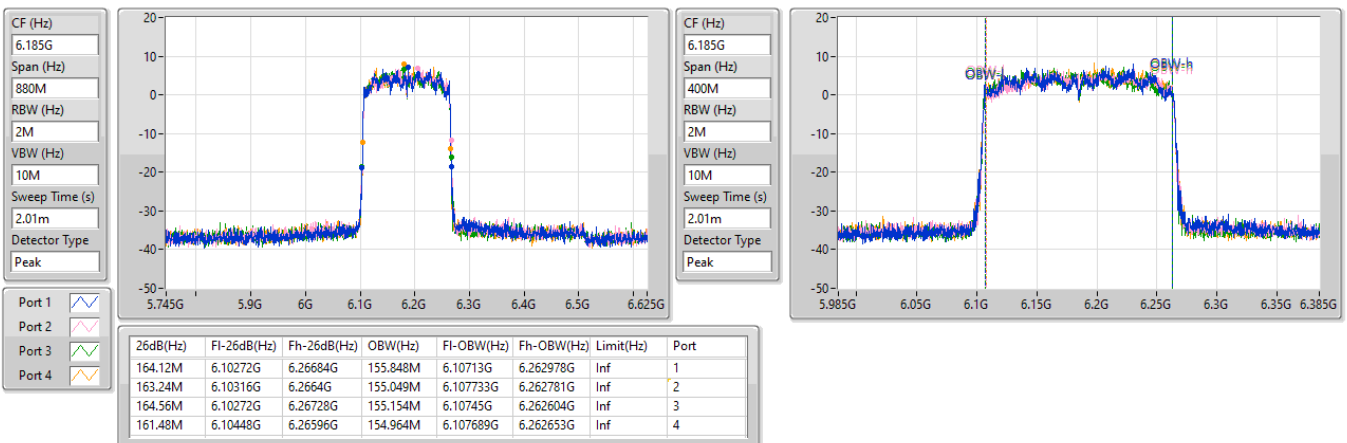


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX

EBW

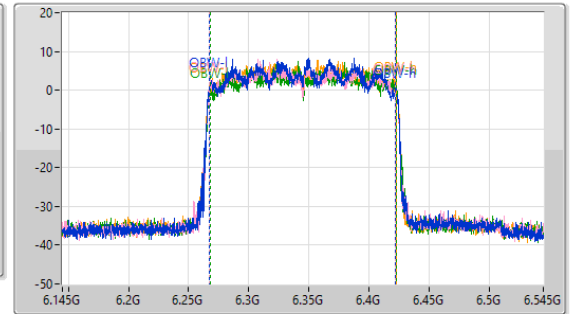
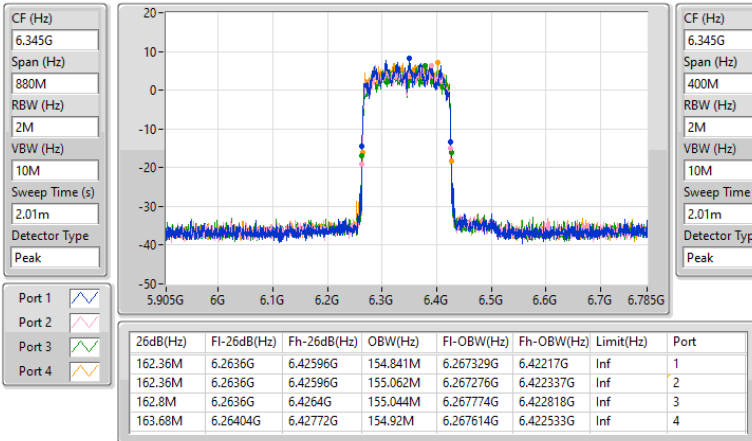
6185MHz

24/06/2024

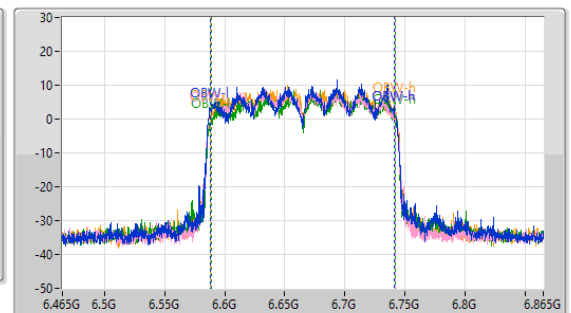
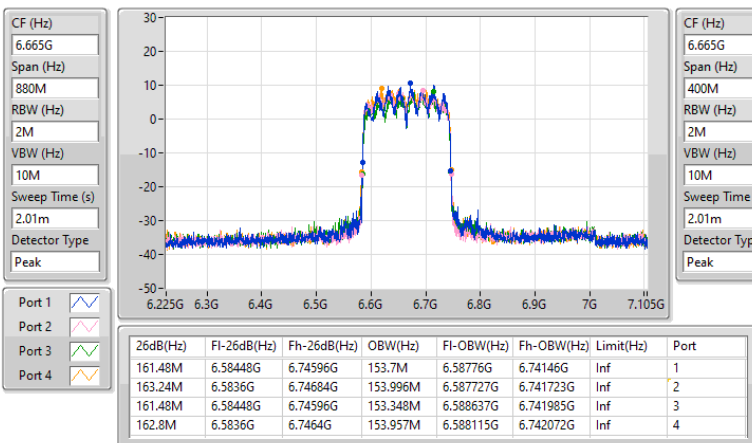


5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6345MHz

24/06/2024

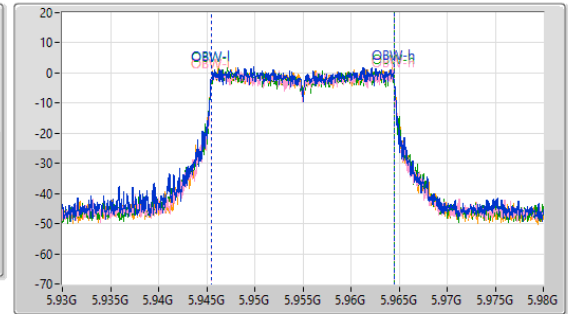
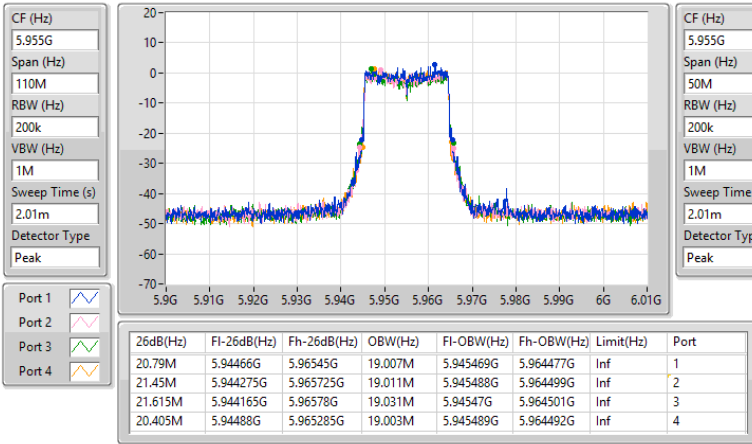

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_4TX
EBW
6665MHz

24/06/2024

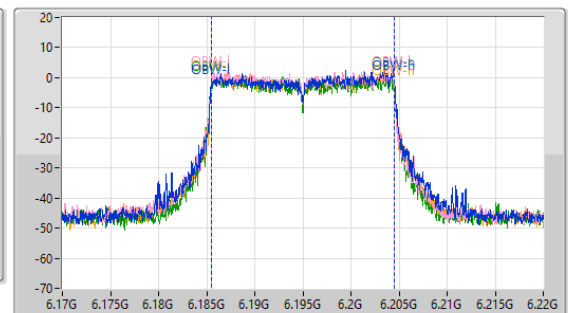
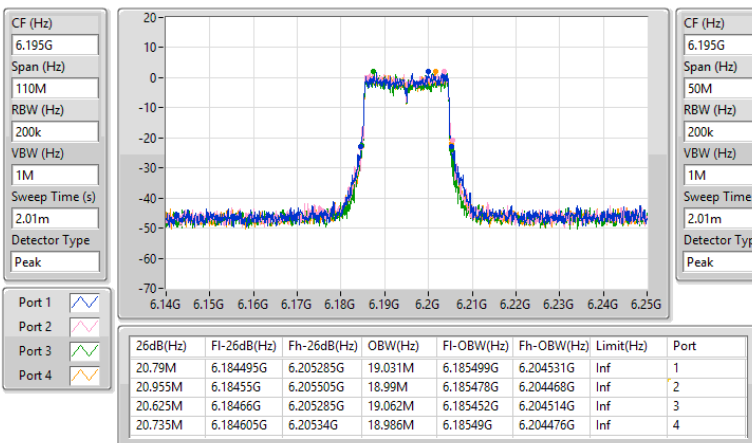


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX
EBW
5955MHz

24/06/2024


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX
EBW
6195MHz

24/06/2024

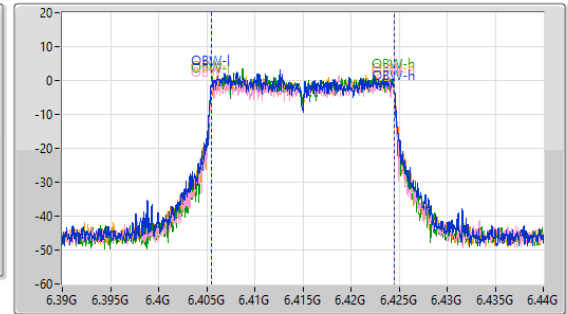
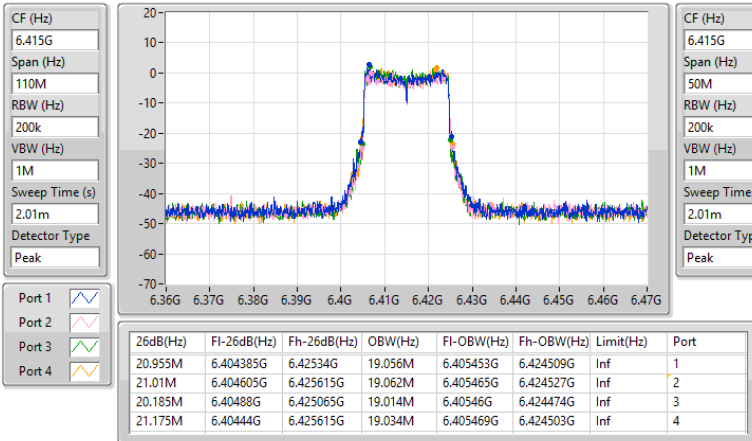


5.925-6.425GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX

EBW

6415MHz

24/06/2024

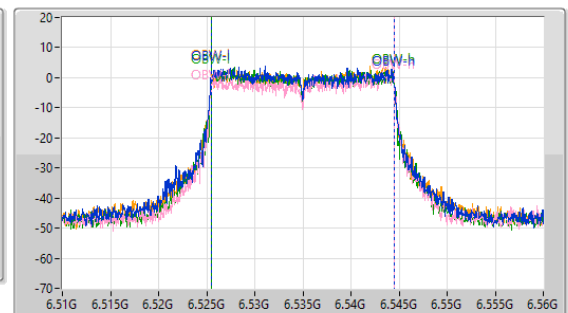
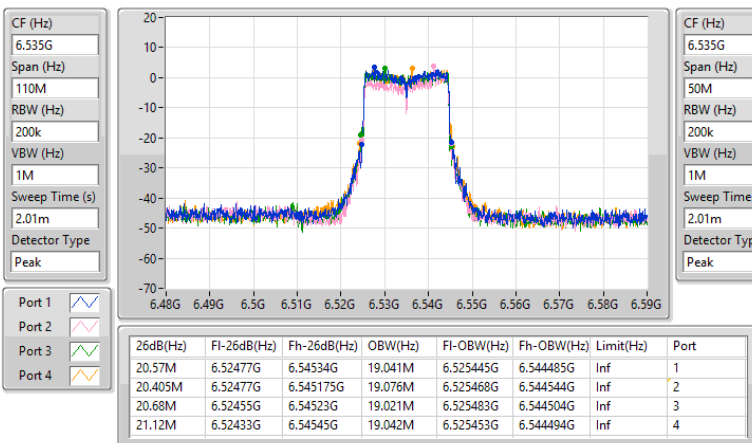


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX

EBW

6535MHz

24/06/2024

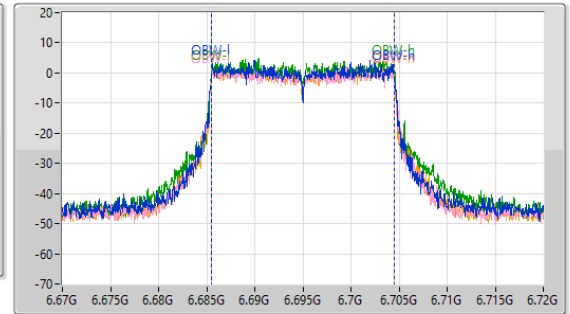
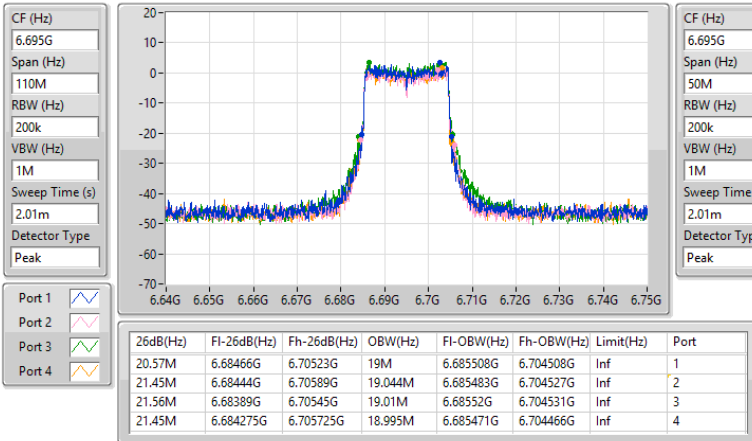


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX

EBW

6695MHz

24/06/2024

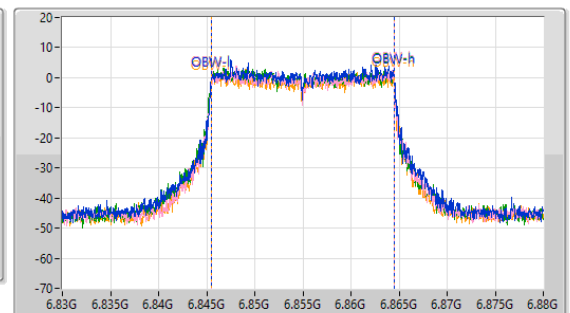
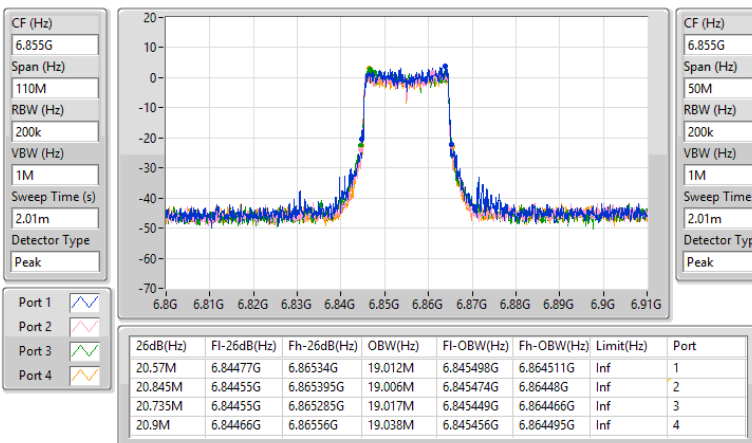


6.525-6.875GHz_802.11ax HEW20-BF_Nss1,(MCS4)_4TX

EBW

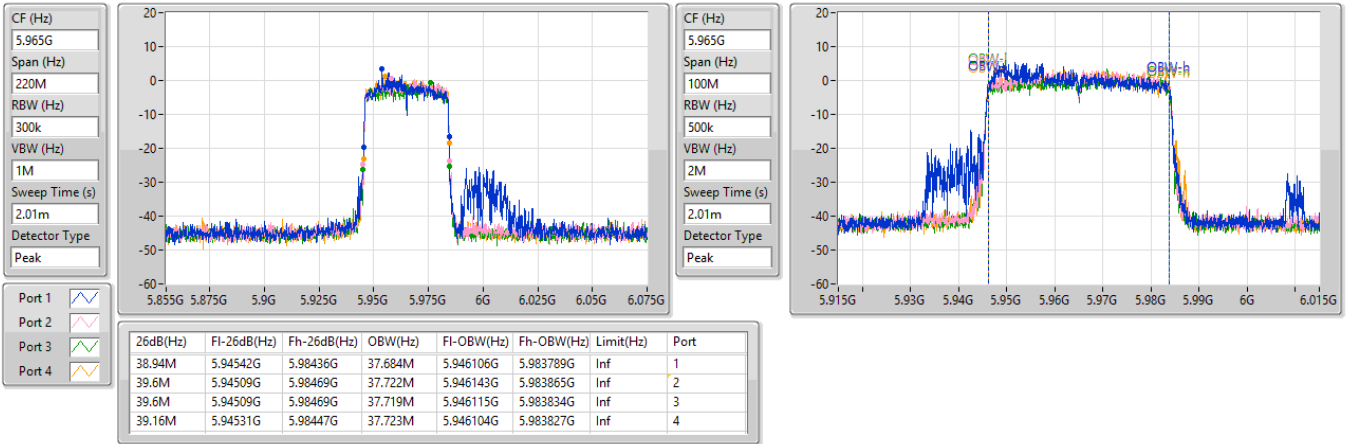
6855MHz

24/06/2024

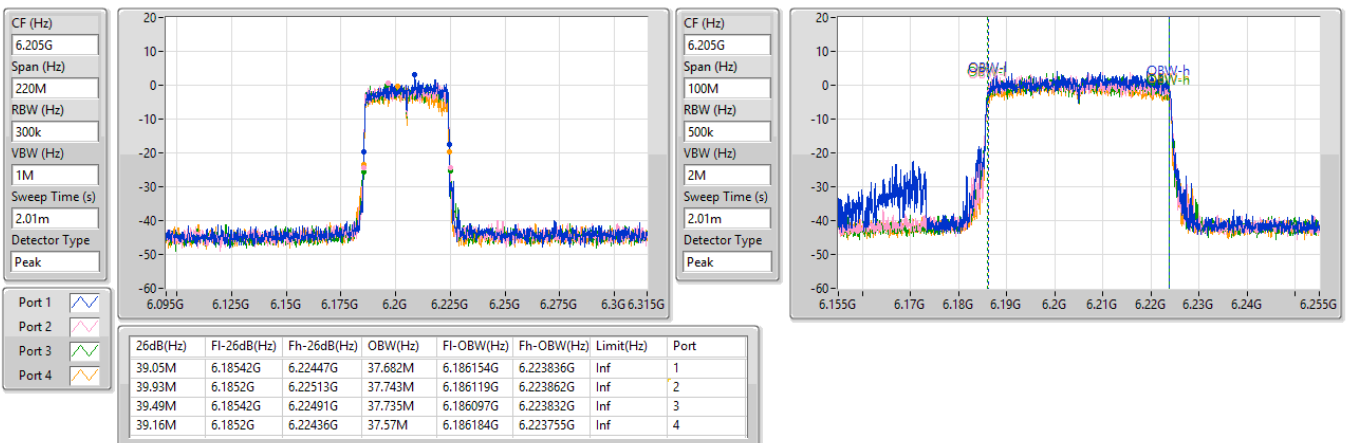


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX
EBW
5965MHz

25/06/2024


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX
EBW
6205MHz

25/06/2024

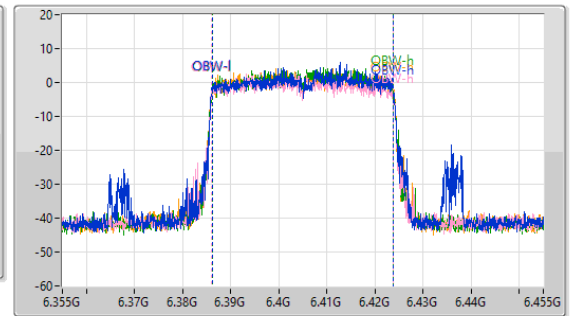
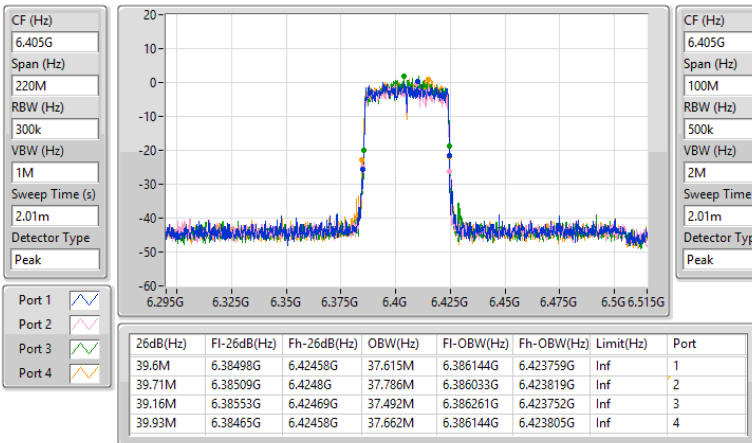


5.925-6.425GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6405MHz

25/06/2024

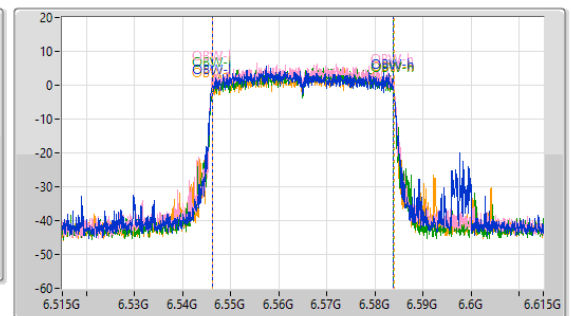
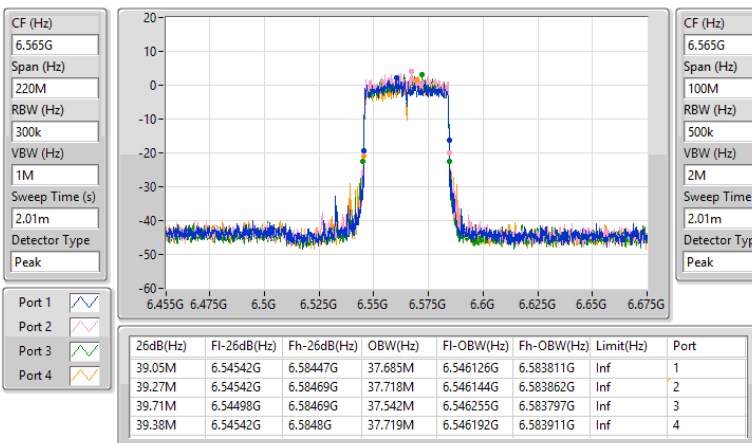


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6565MHz

25/06/2024

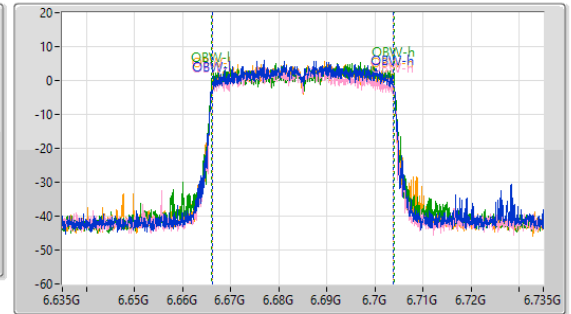
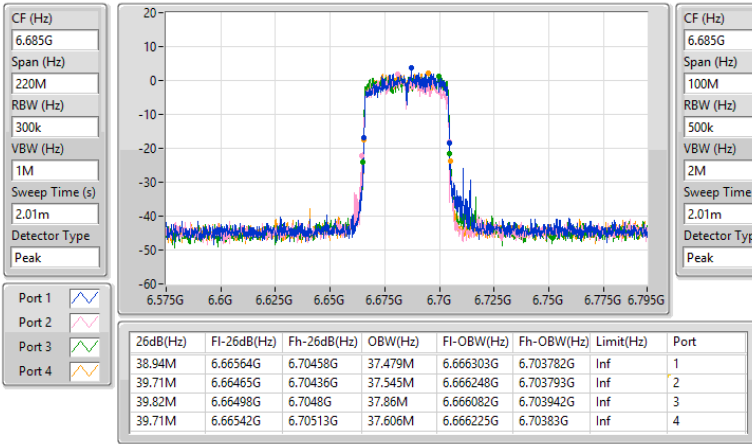


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

6685MHz

25/06/2024

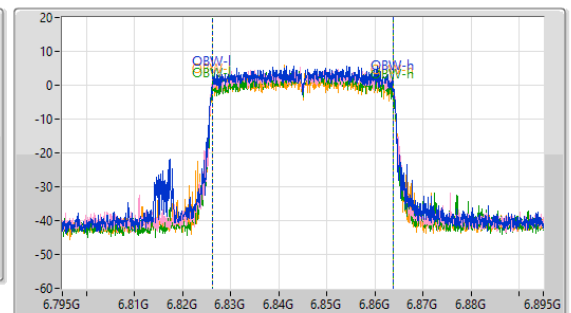
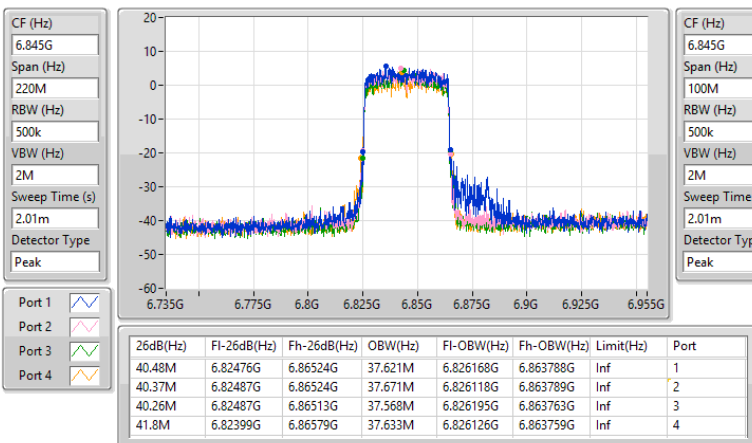


6.525-6.875GHz_802.11ax HEW40-BF_Nss1,(MCS4)_4TX

EBW

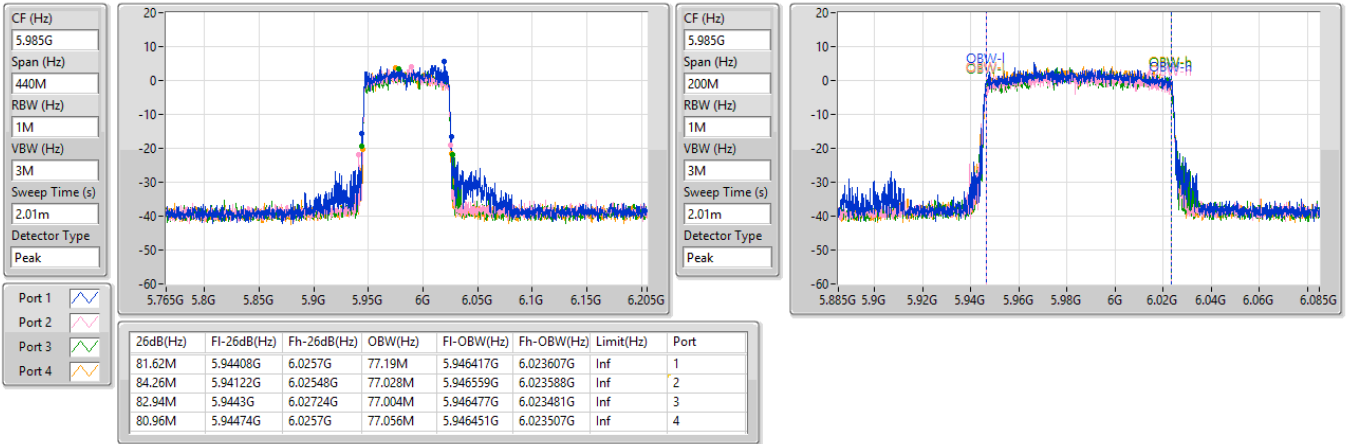
6845MHz

25/06/2024

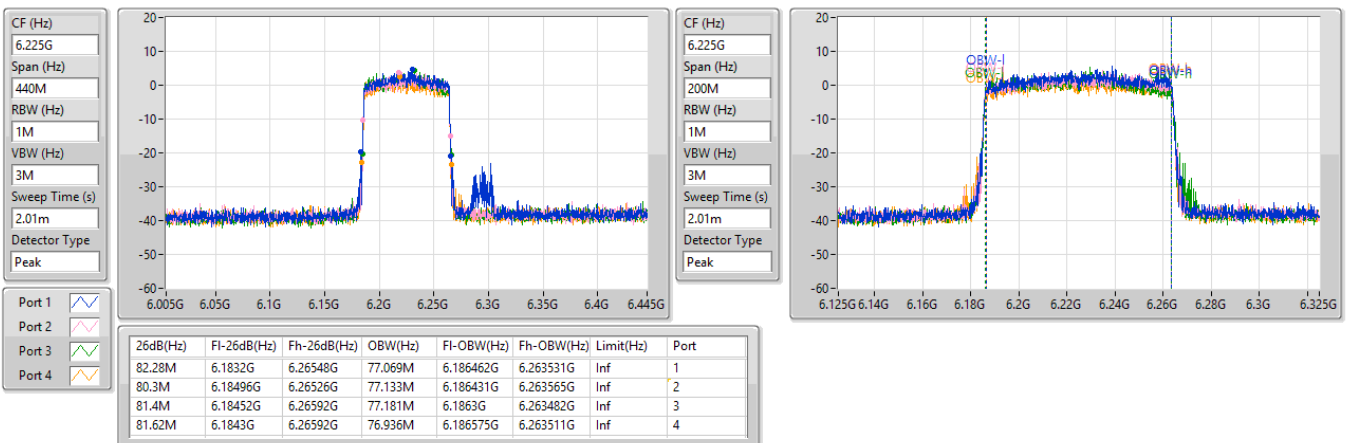


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX
EBW
5985MHz

25/06/2024


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX
EBW
6225MHz

25/06/2024

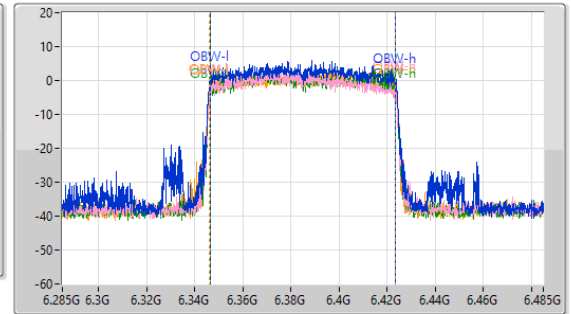
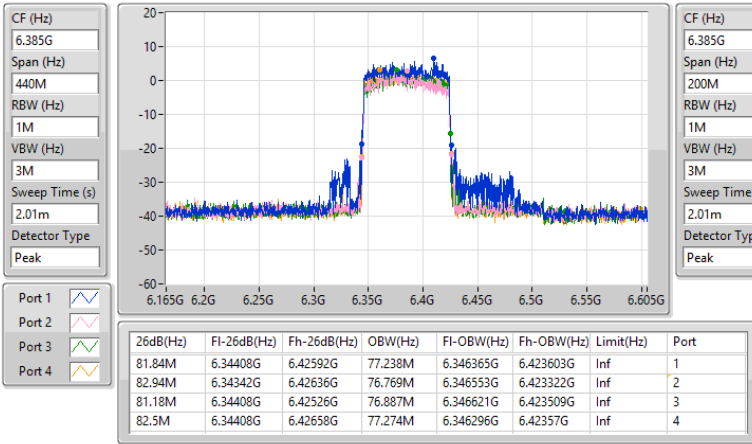


5.925-6.425GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX

EBW

6385MHz

25/06/2024

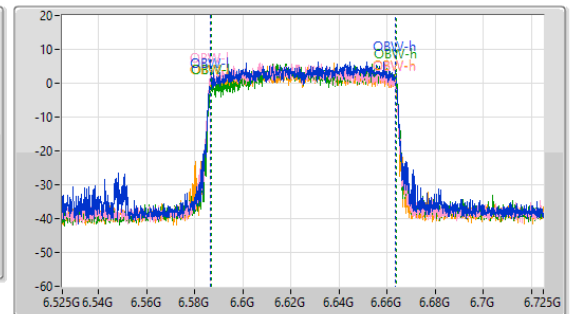
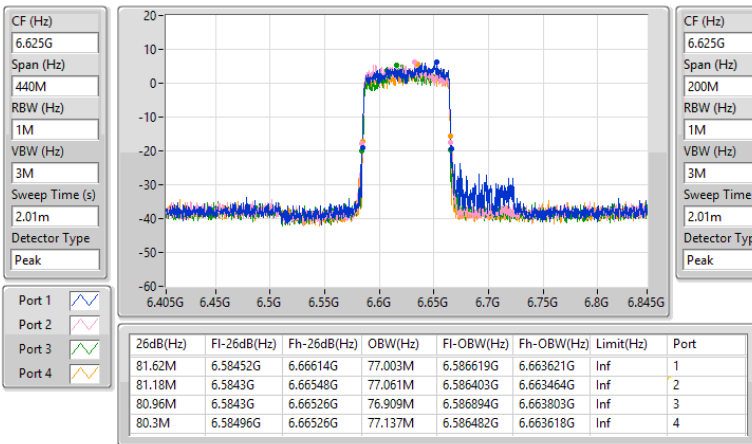


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX

EBW

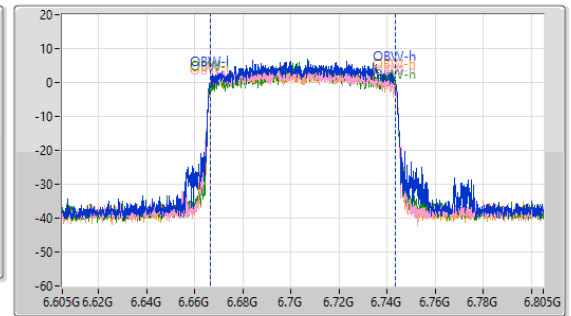
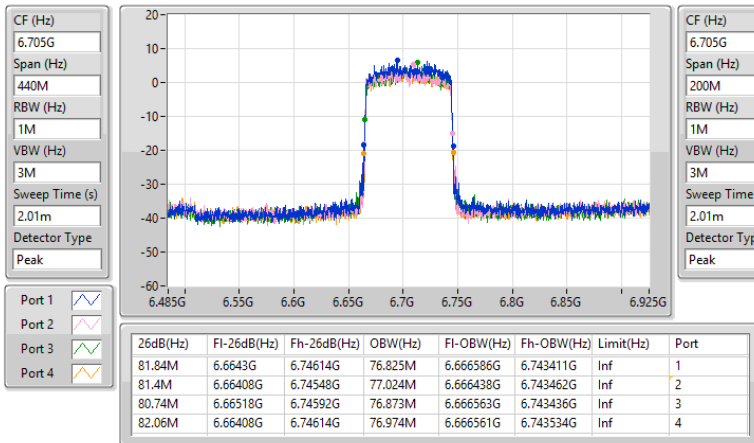
6625MHz

25/06/2024

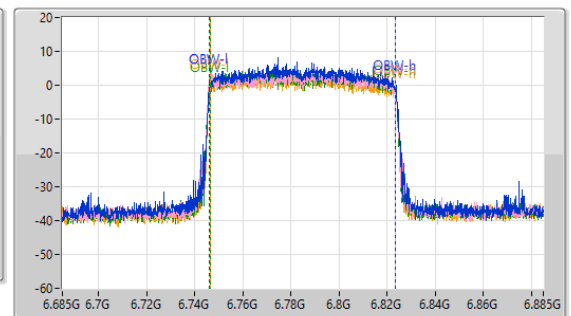
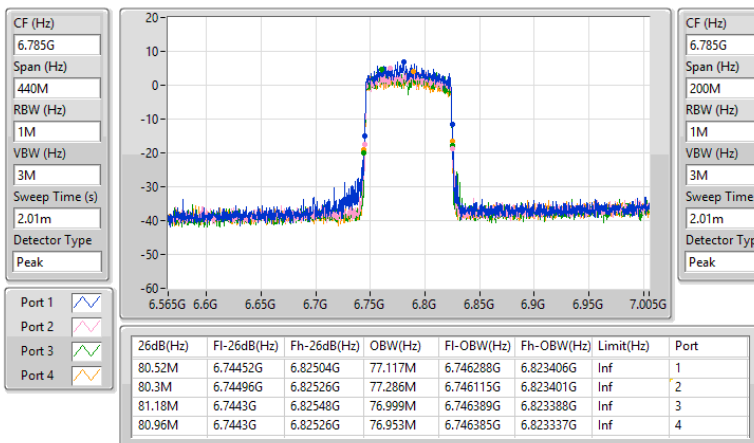


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX
EBW
6705MHz

25/06/2024


6.525-6.875GHz_802.11ax HEW80-BF_Nss1,(MCS4)_4TX
EBW
6785MHz

25/06/2024

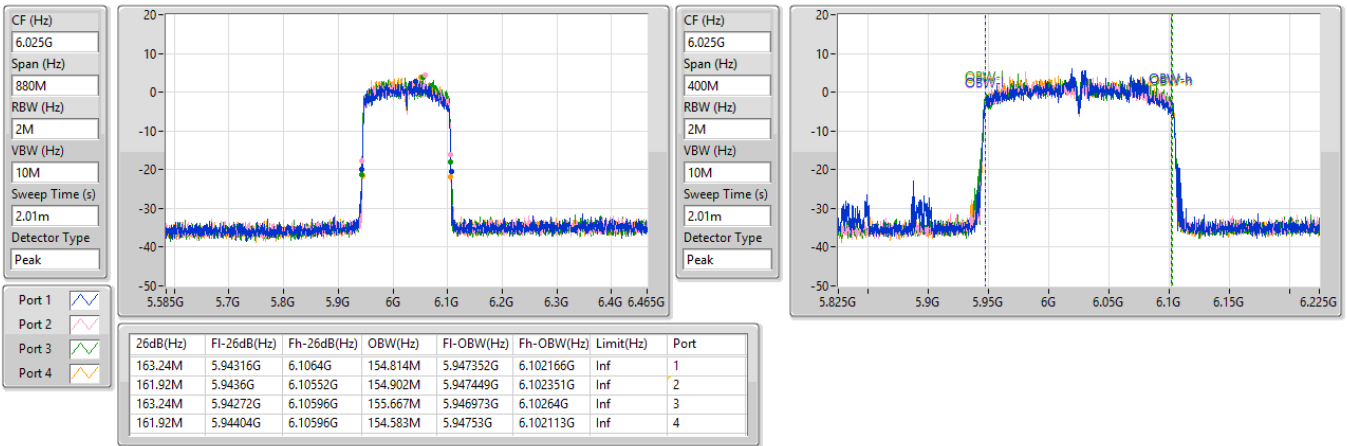


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6025MHz

25/06/2024

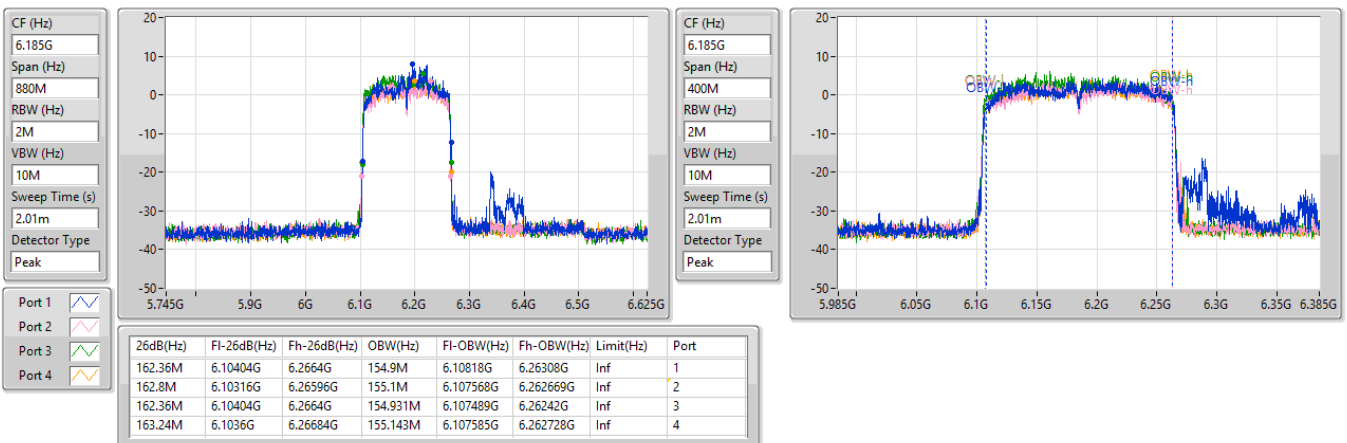


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6185MHz

25/06/2024

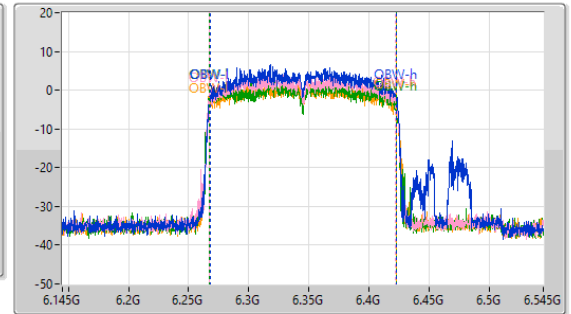
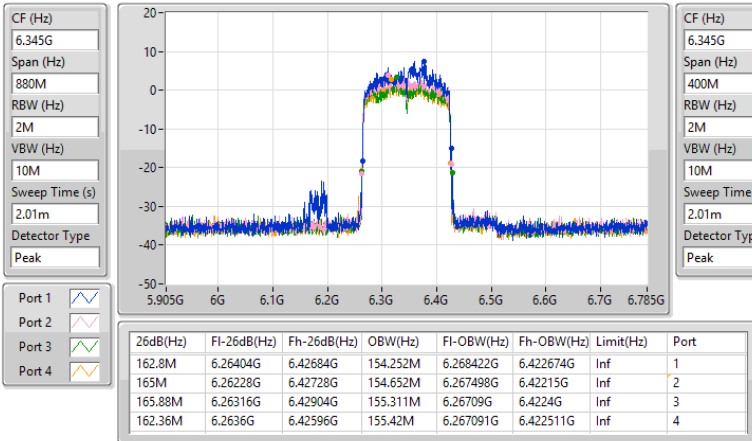


5.925-6.425GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6345MHz

25/06/2024

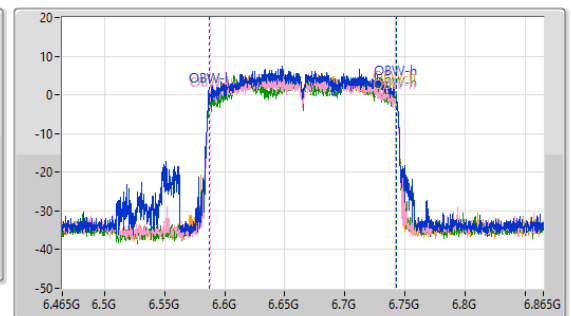
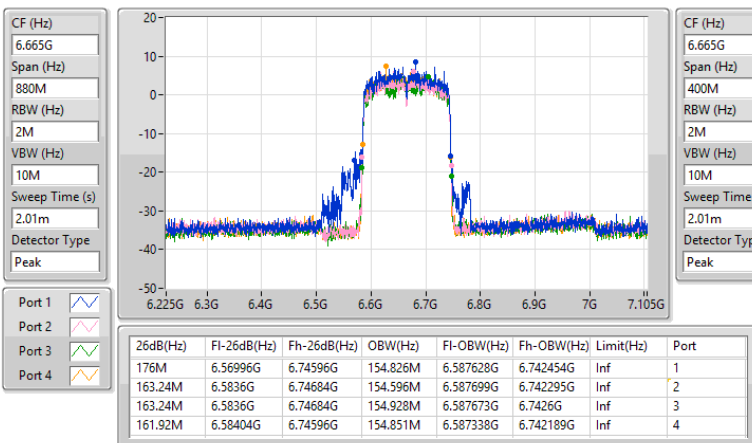


6.525-6.875GHz_802.11ax HEW160-BF_Nss1,(MCS4)_4TX

EBW

6665MHz

25/06/2024



**Test Mode: Mode 1****Summary**

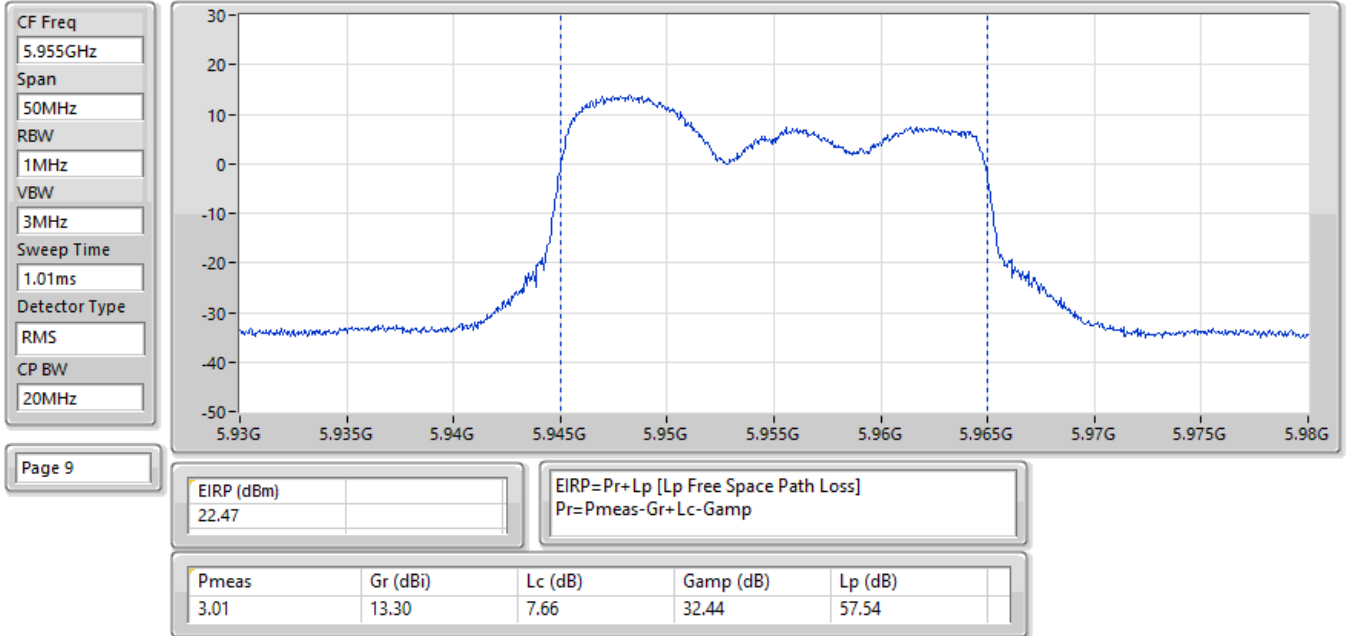
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	24.21	0.26363
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	25.04	0.31915
802.11ax HEW40_Nss1,(MCS0)_4TX	25.36	0.34356
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	24.05	0.25410
802.11ax HEW80_Nss1,(MCS0)_4TX	24.69	0.29444
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	23.81	0.24044
802.11ax HEW160_Nss1,(MCS0)_4TX	24.33	0.27102
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	23.44	0.22080
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	23.76	0.23768
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	22.69	0.18578
802.11ax HEW40_Nss1,(MCS0)_4TX	23.87	0.24378
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	22.79	0.19011
802.11ax HEW80_Nss1,(MCS0)_4TX	23.51	0.22439
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	22.07	0.16106
802.11ax HEW160_Nss1,(MCS0)_4TX	23.72	0.23550
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	22.50	0.17783

Result

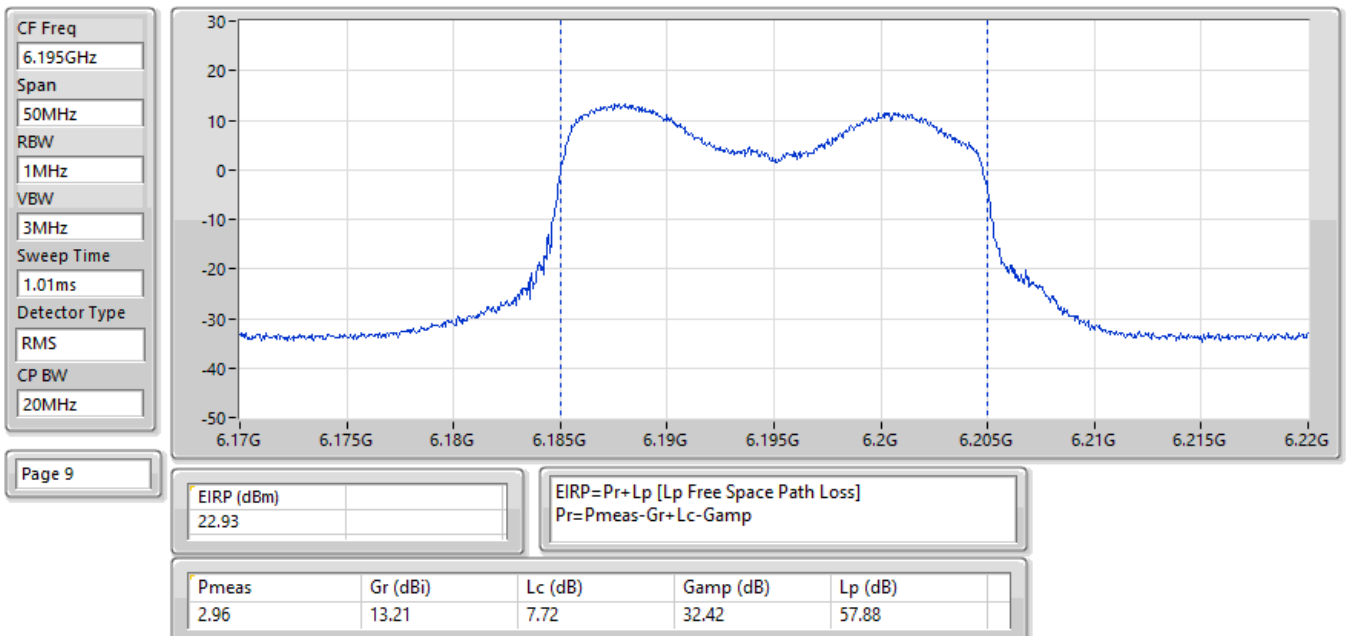
Mode	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5955MHz	22.47	36.00
6195MHz	22.93	36.00
6415MHz	24.21	36.00
6535MHz	23.52	36.00
6695MHz	23.76	36.00
6855MHz	23.48	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5965MHz	24.63	36.00
6205MHz	24.63	36.00
6405MHz	25.36	36.00
6565MHz	23.87	36.00
6685MHz	23.77	36.00
6845MHz	23.68	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5985MHz	24.35	36.00
6225MHz	24.23	36.00
6385MHz	24.69	36.00
6625MHz	23.28	36.00
6705MHz	23.51	36.00
6785MHz	23.17	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-
6025MHz	23.45	36.00
6185MHz	23.79	36.00
6345MHz	24.33	36.00
6665MHz	23.72	36.00
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-
5955MHz	21.13	36.00
6195MHz	21.59	36.00
6415MHz	25.04	36.00
6535MHz	22.69	36.00
6695MHz	22.19	36.00
6855MHz	22.50	36.00
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-
5965MHz	22.01	36.00
6205MHz	22.30	36.00
6405MHz	24.05	36.00
6565MHz	22.73	36.00
6685MHz	22.79	36.00
6845MHz	22.63	36.00
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-
5985MHz	22.06	36.00
6225MHz	22.02	36.00
6385MHz	23.81	36.00
6625MHz	22.07	36.00
6705MHz	22.00	36.00
6785MHz	21.99	36.00
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-
6025MHz	23.28	36.00
6185MHz	23.44	36.00
6345MHz	22.65	36.00
6665MHz	22.50	36.00

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

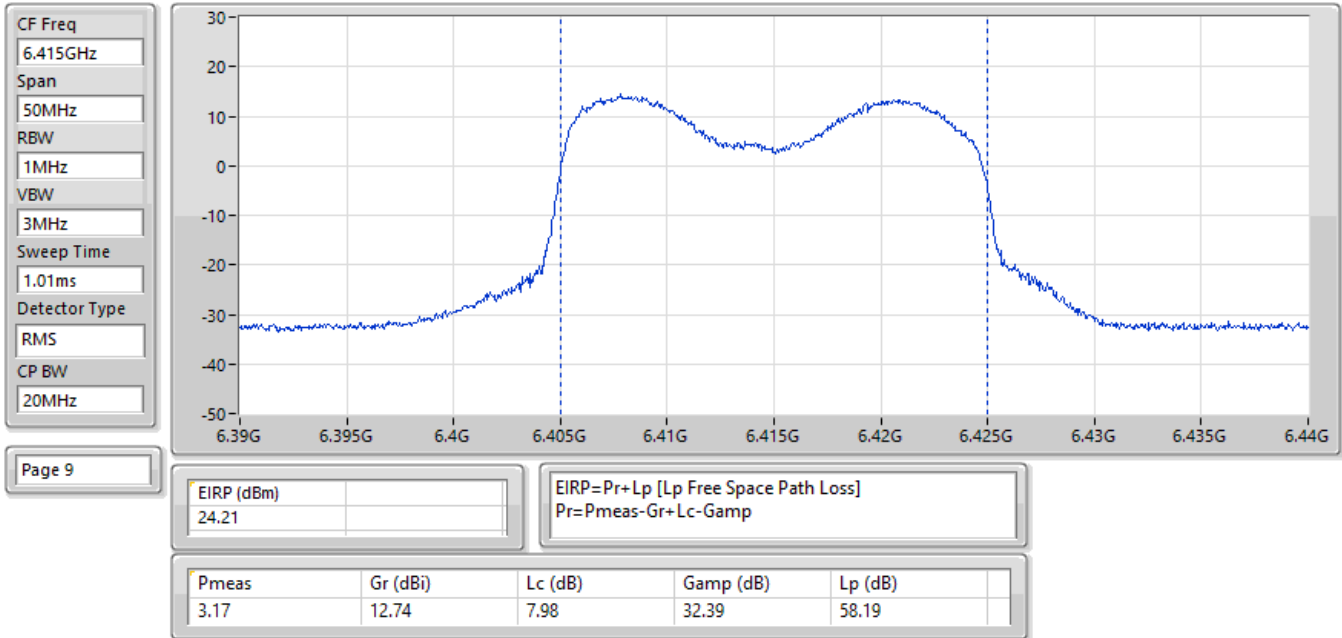
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



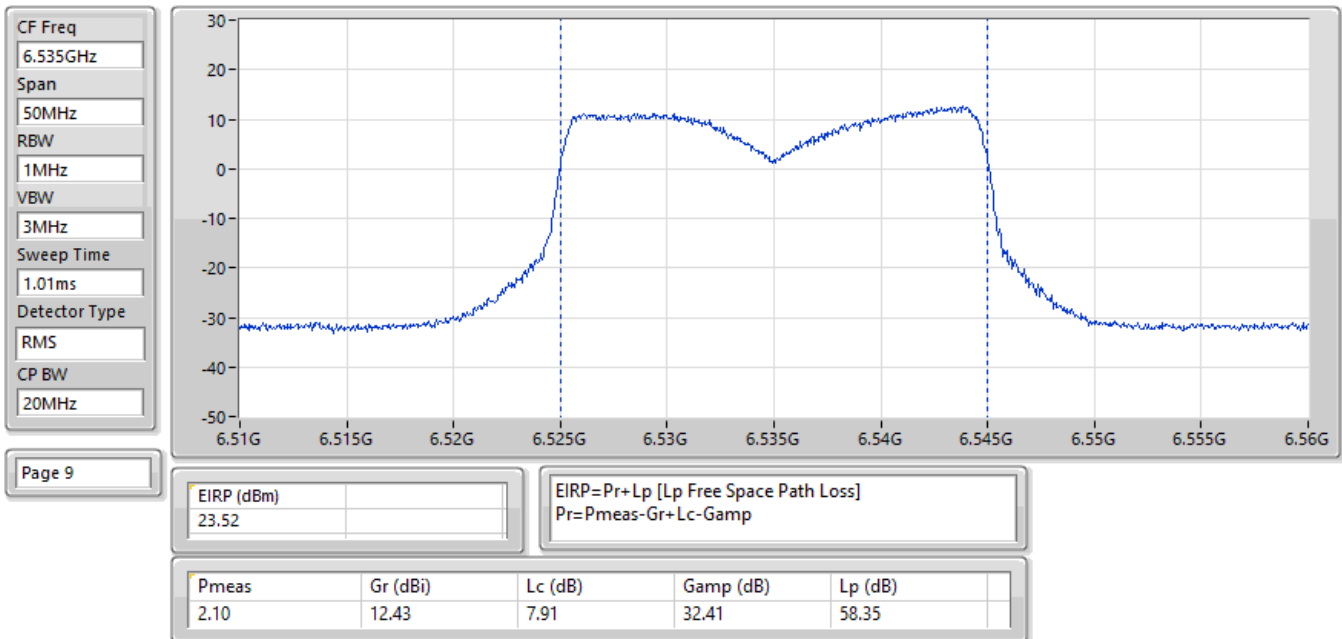
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



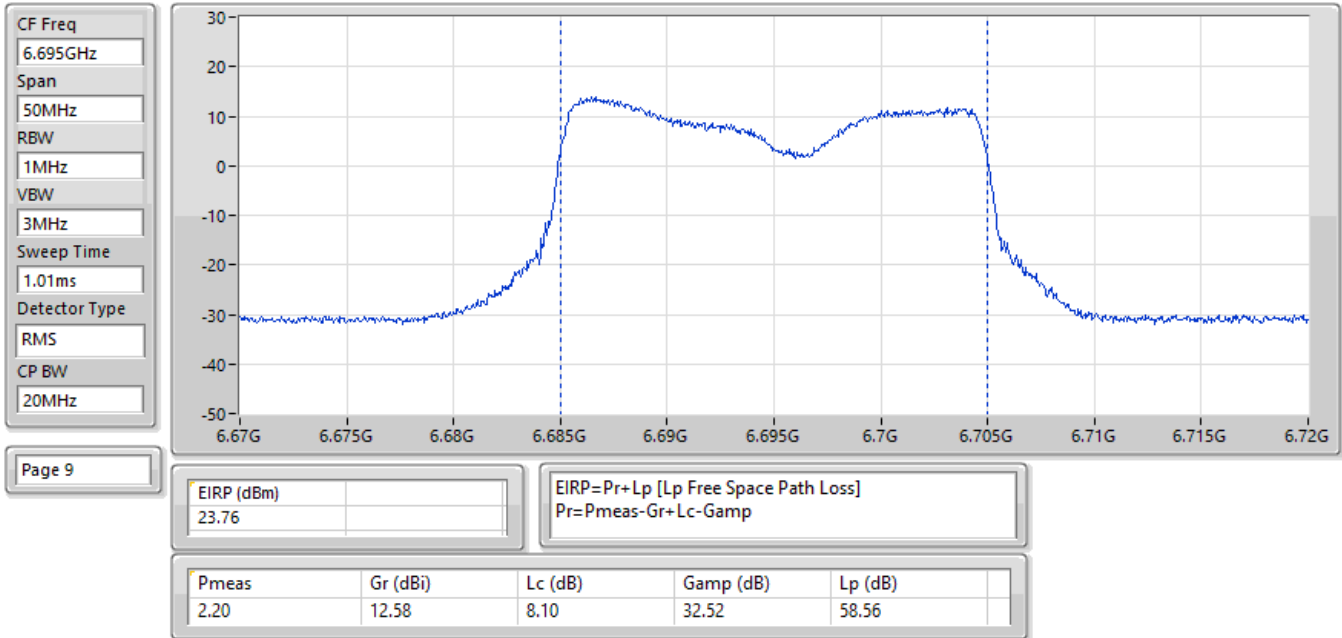
EIRP:Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX



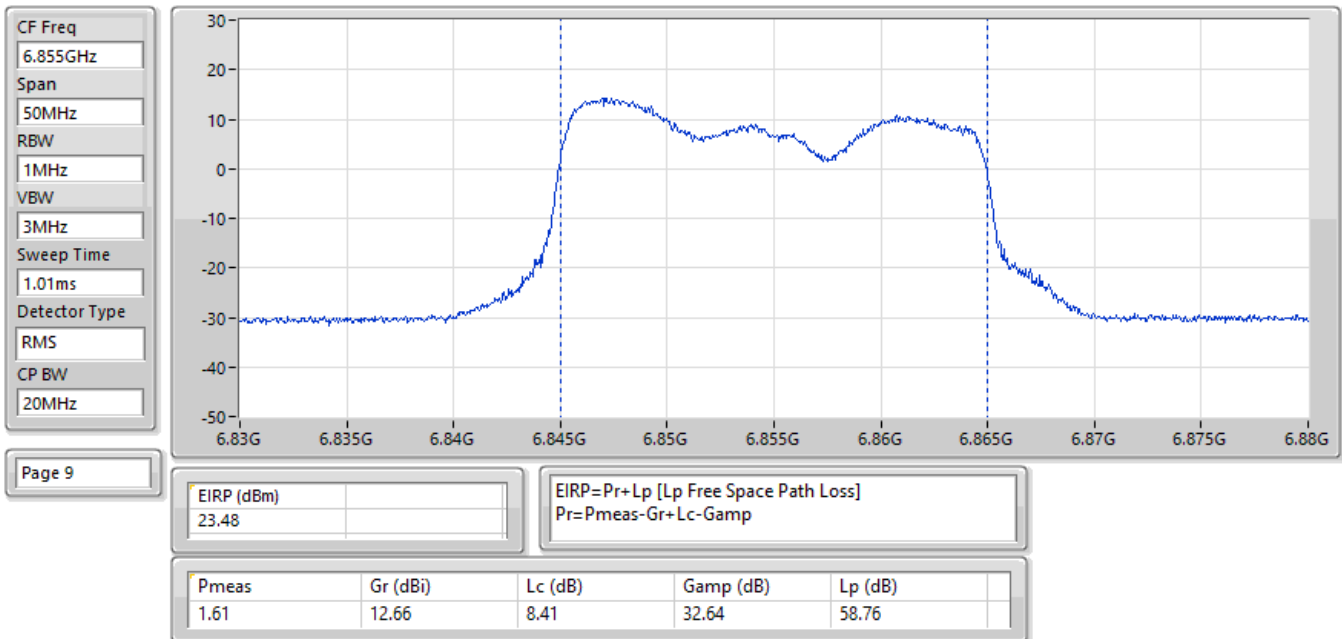
EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6535MHz;TX



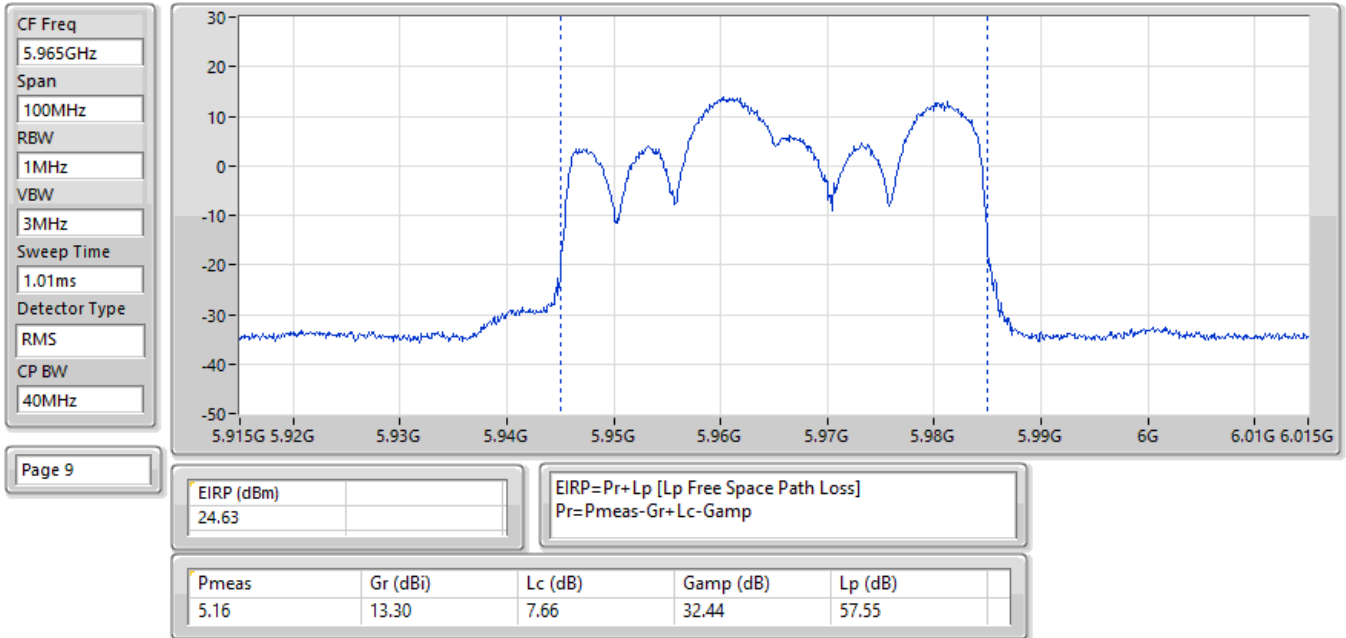
EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6695MHz;TX



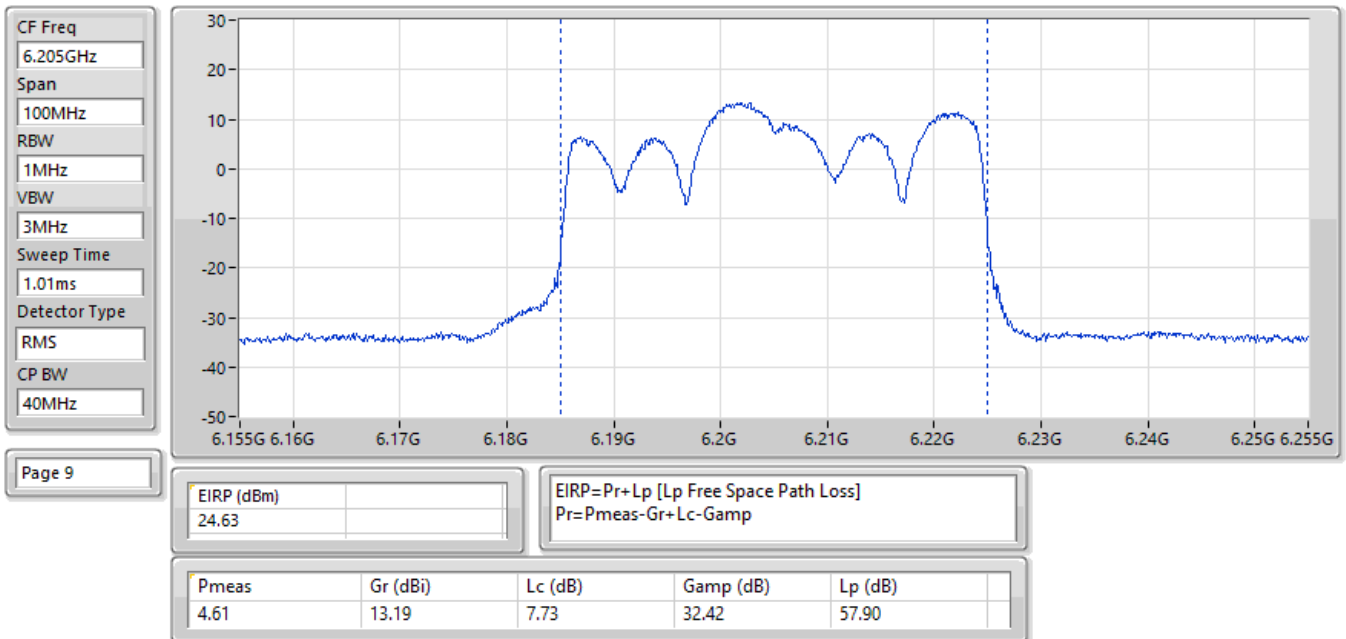
EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6855MHz;TX



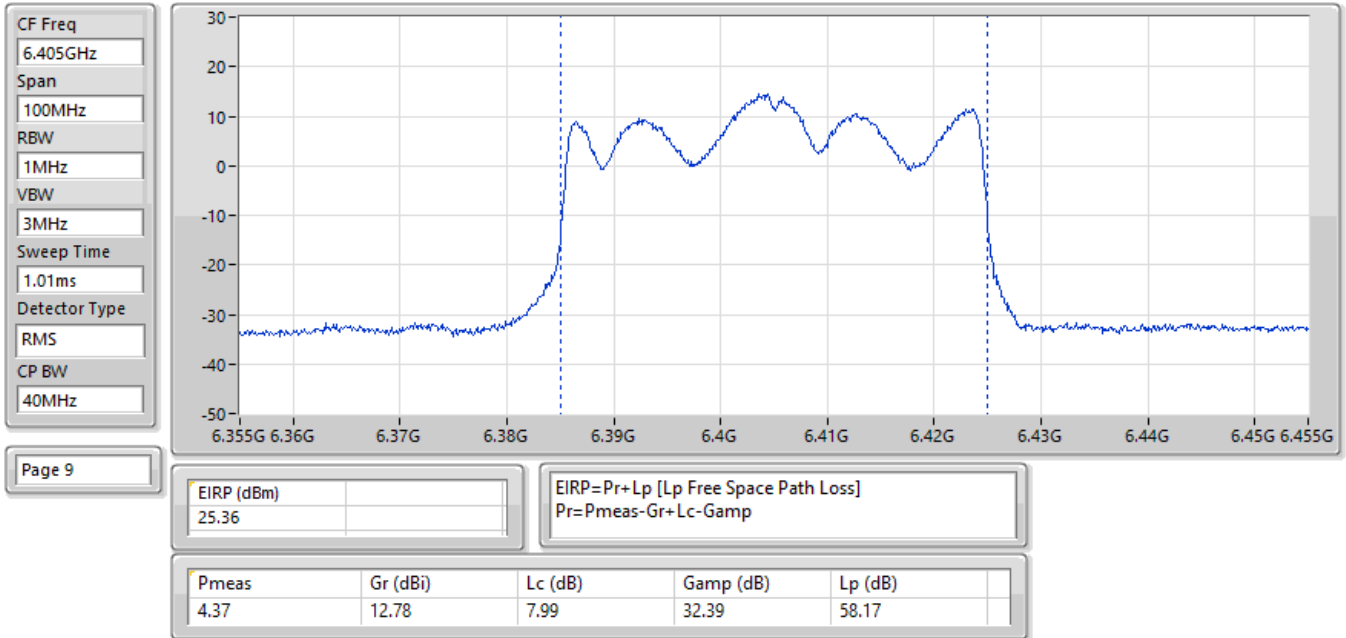
EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



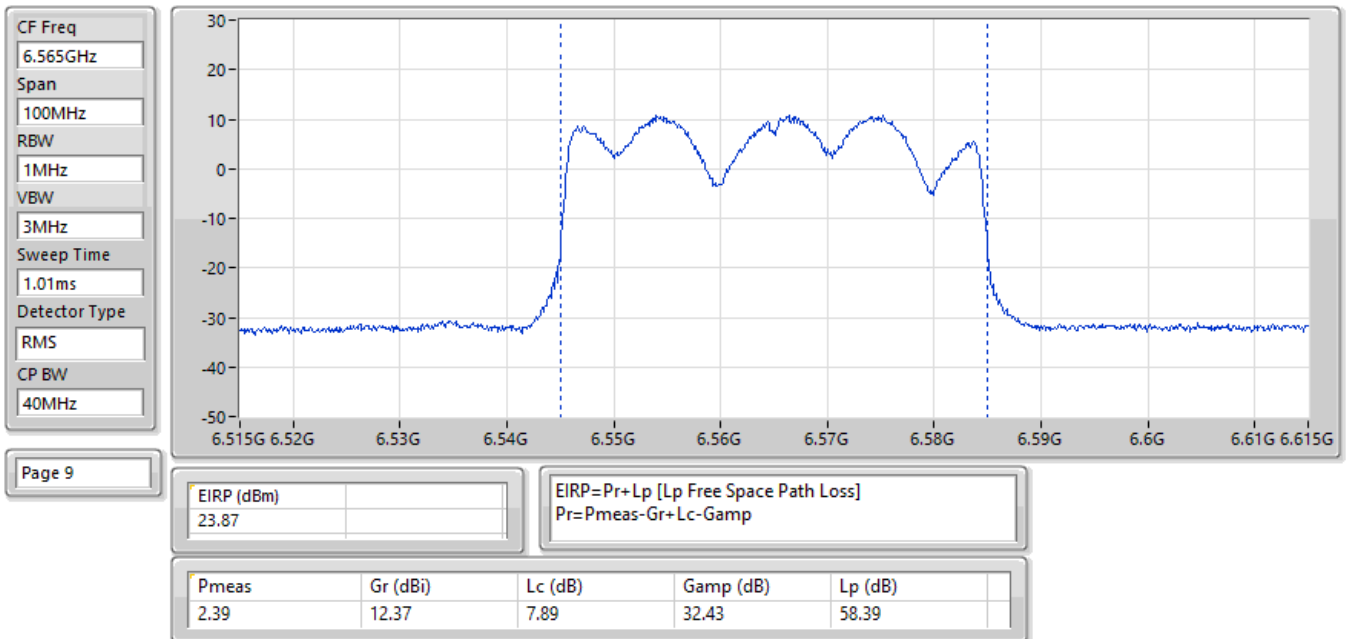
EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX



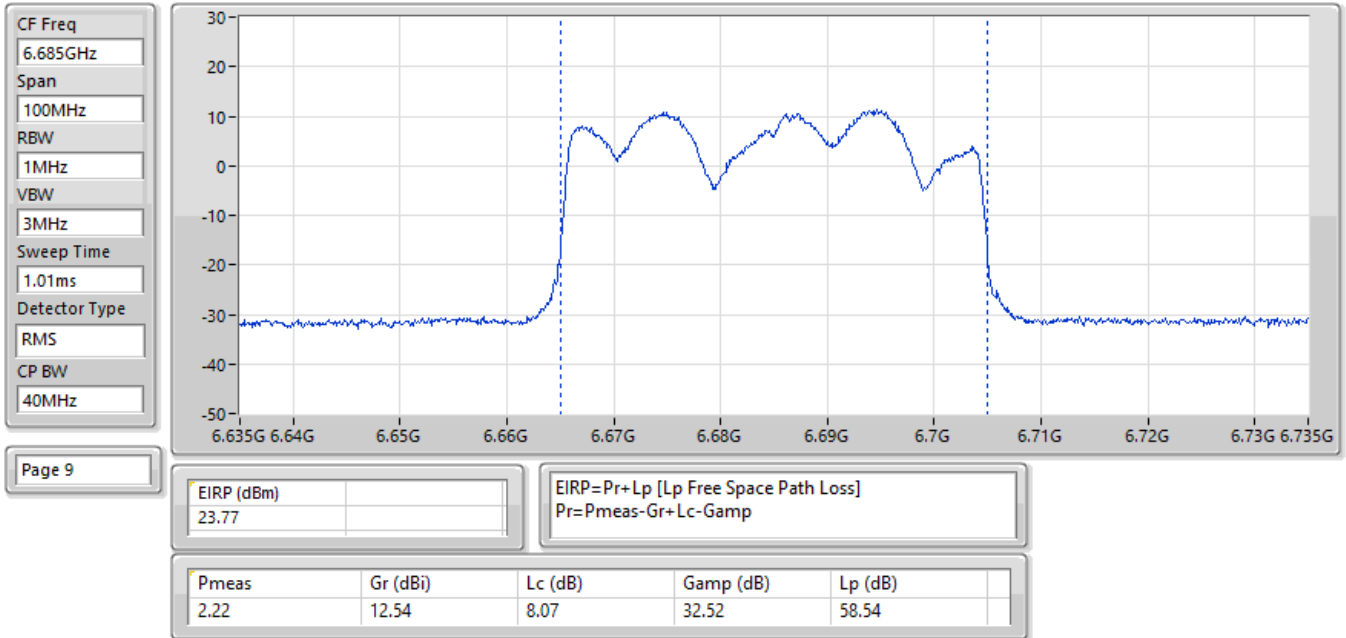
EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX



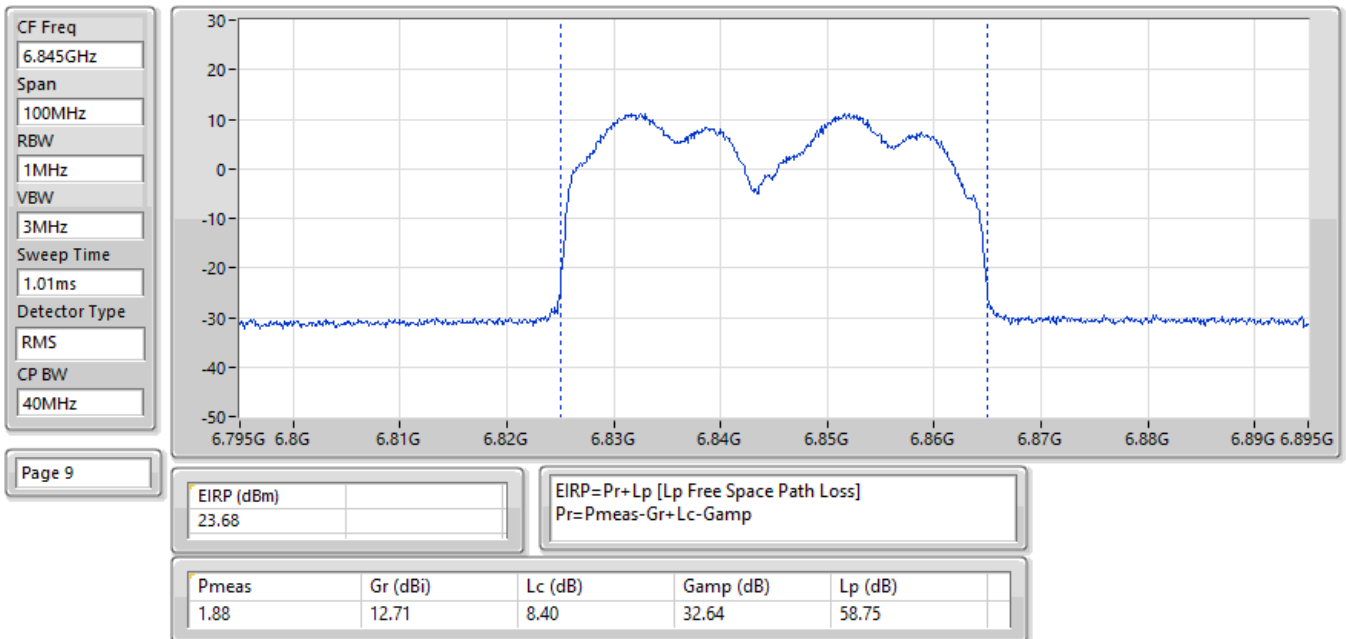
EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6565MHz;TX



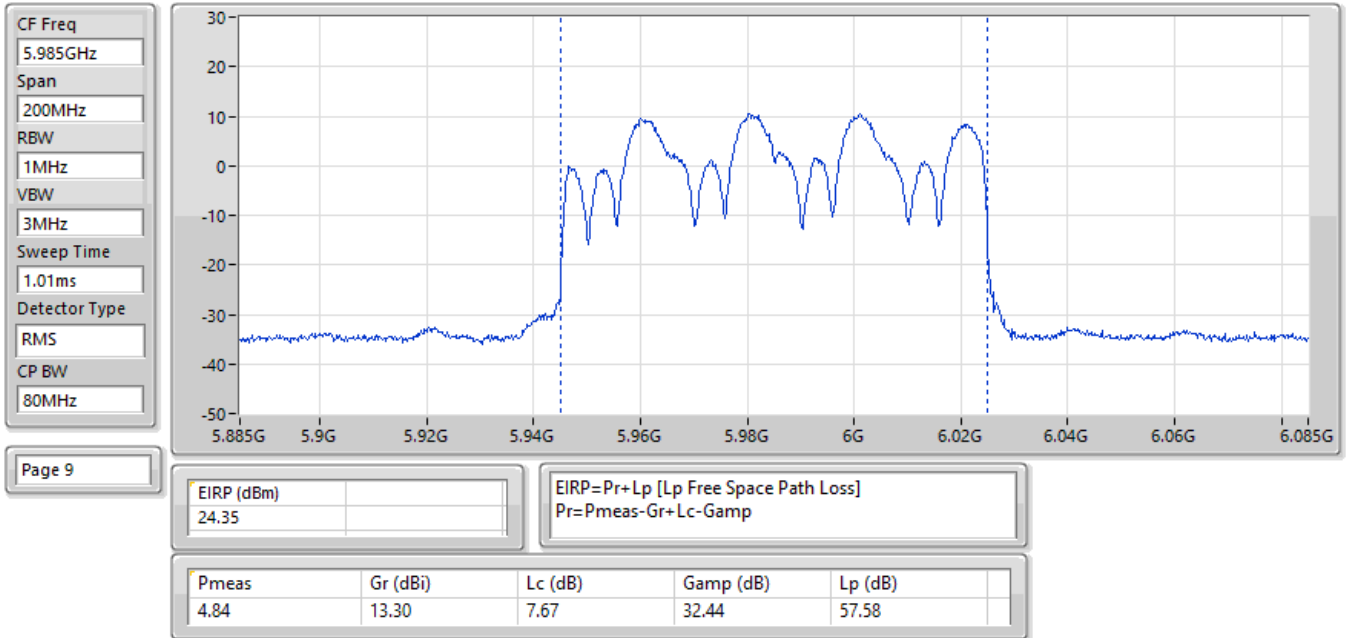
EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6685MHz;TX



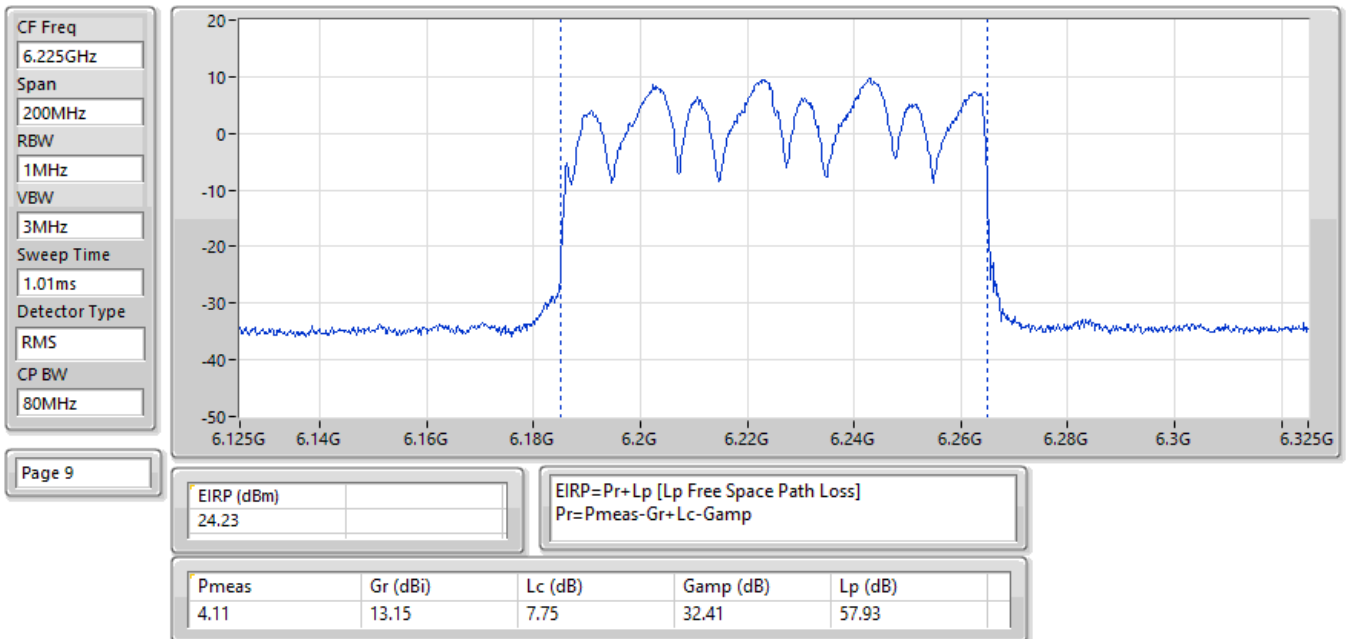
EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6845MHz;TX



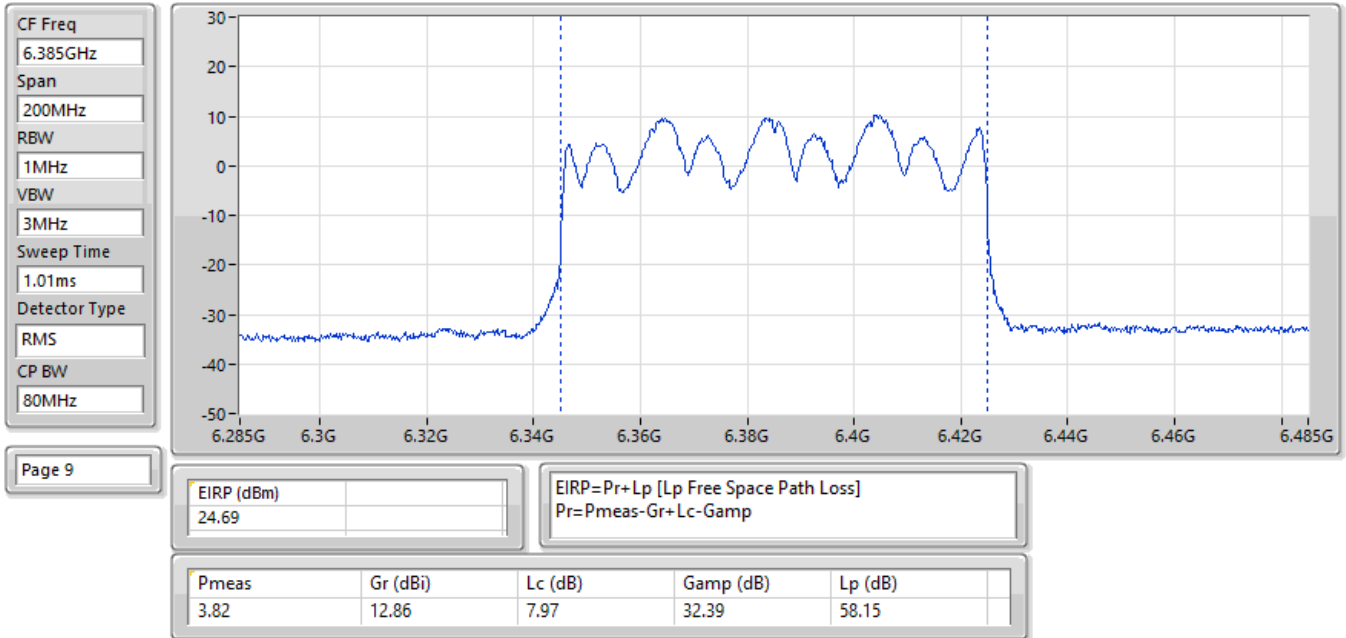
EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX



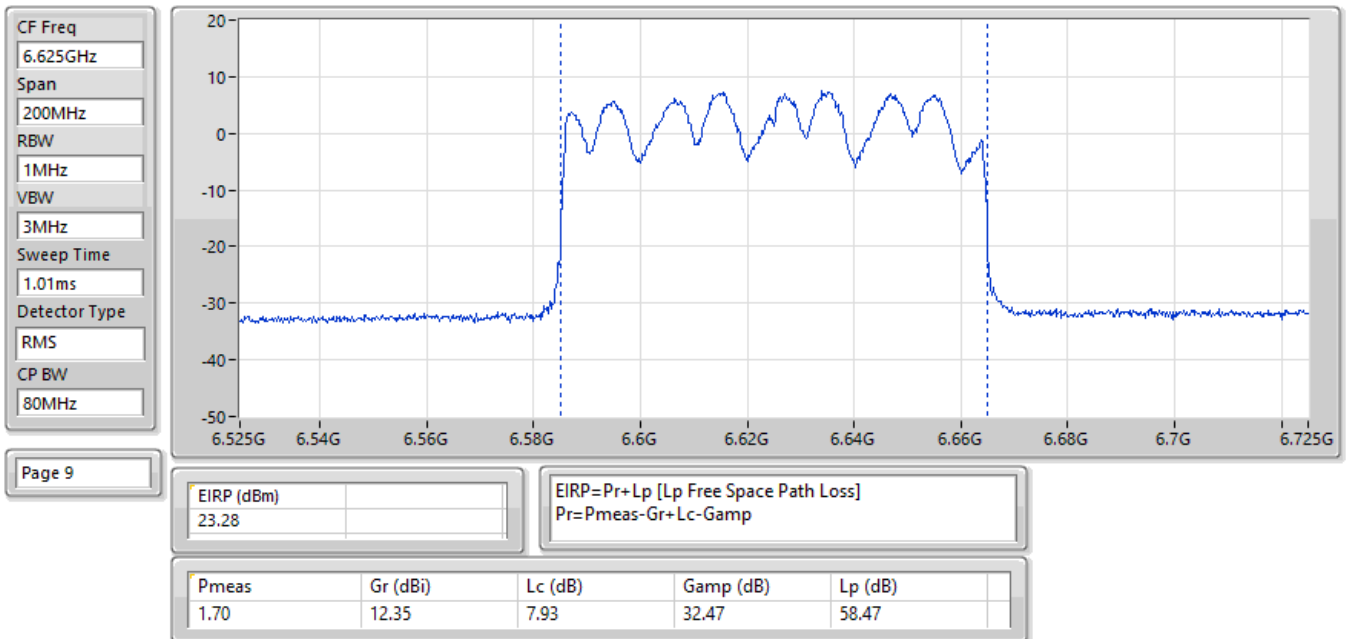
EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TX



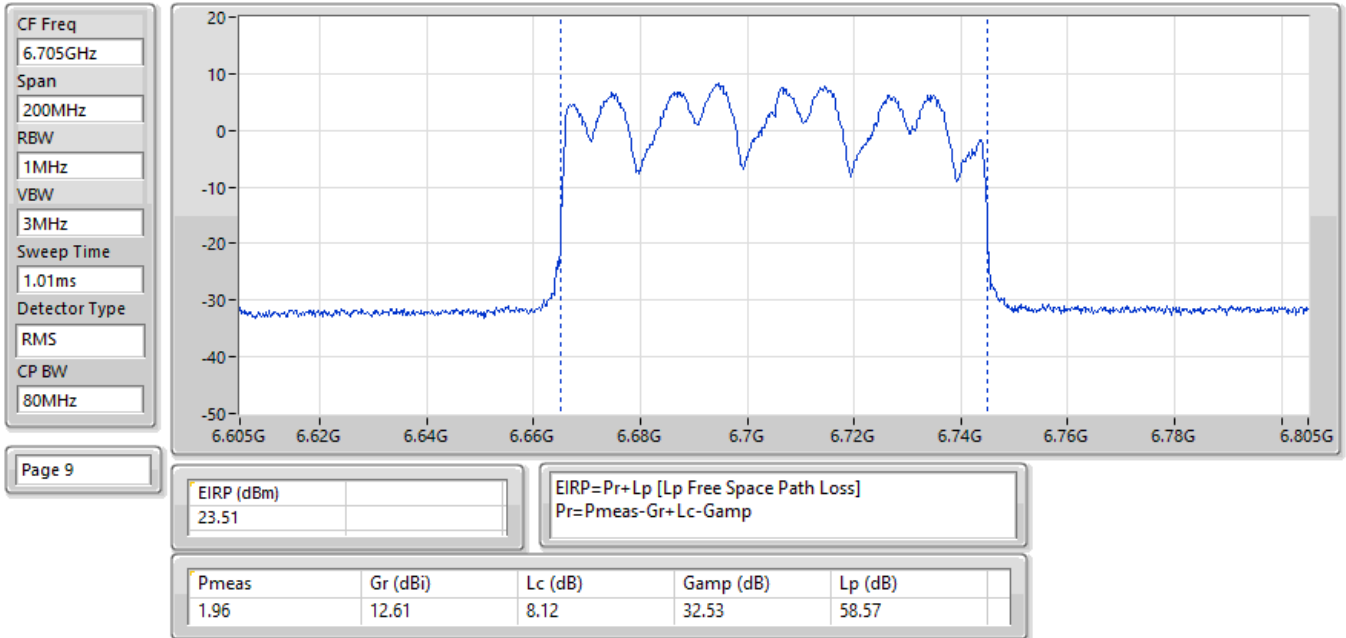
EIRP:Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6385MHz;TX



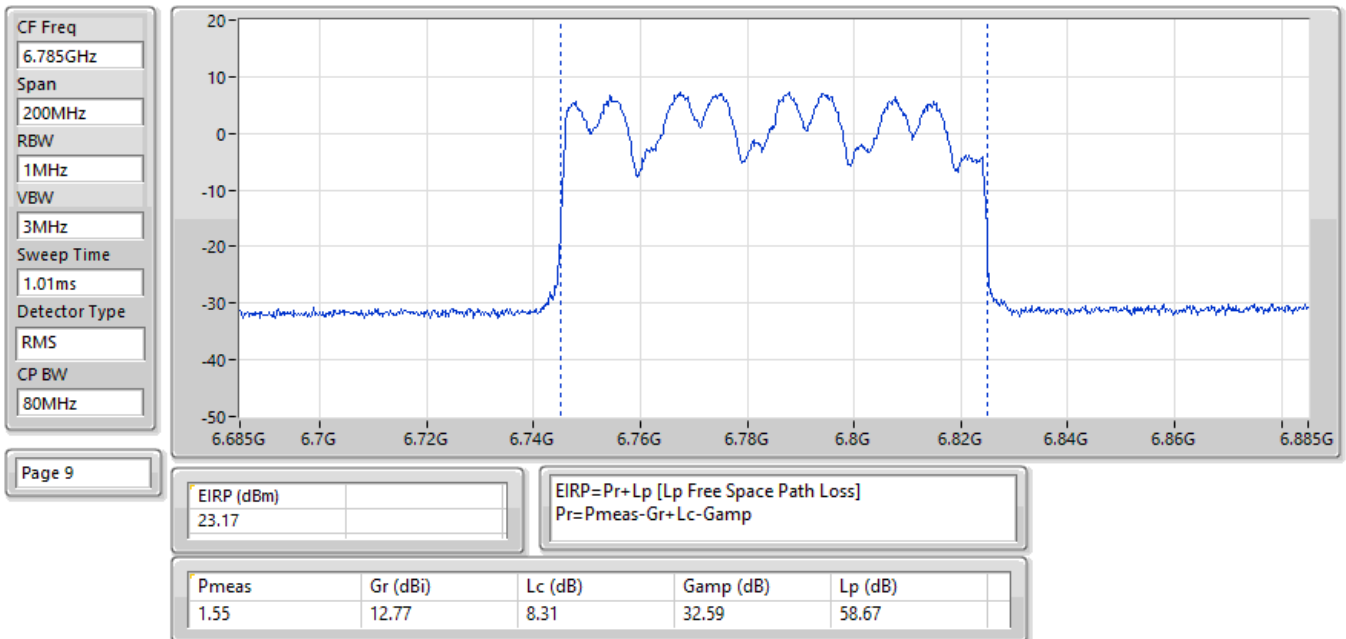
EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6625MHz;TX



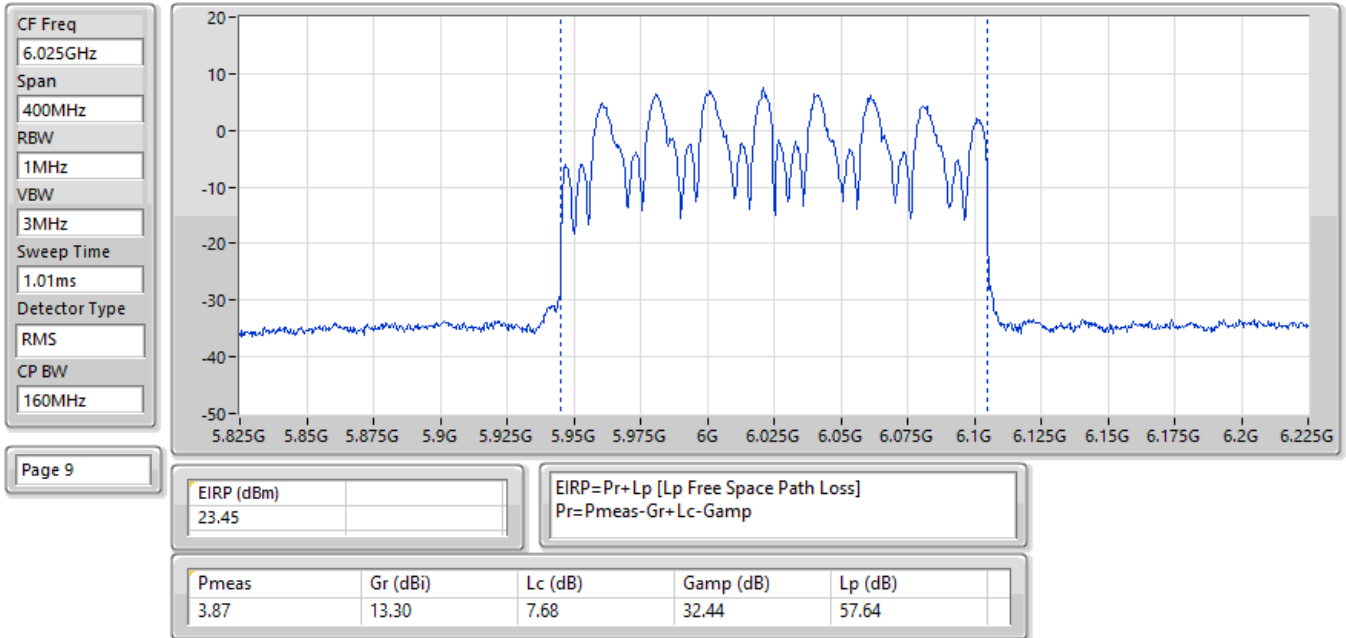
EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6705MHz;TX



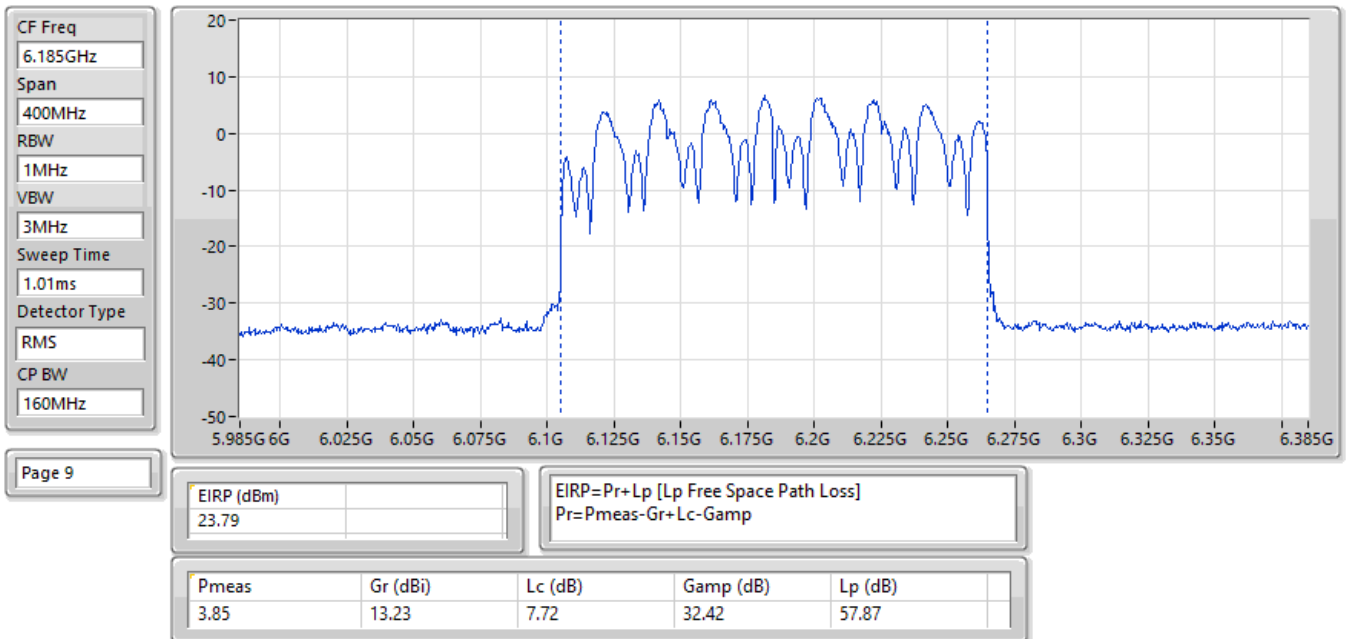
EIRP:Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6785MHz;TX



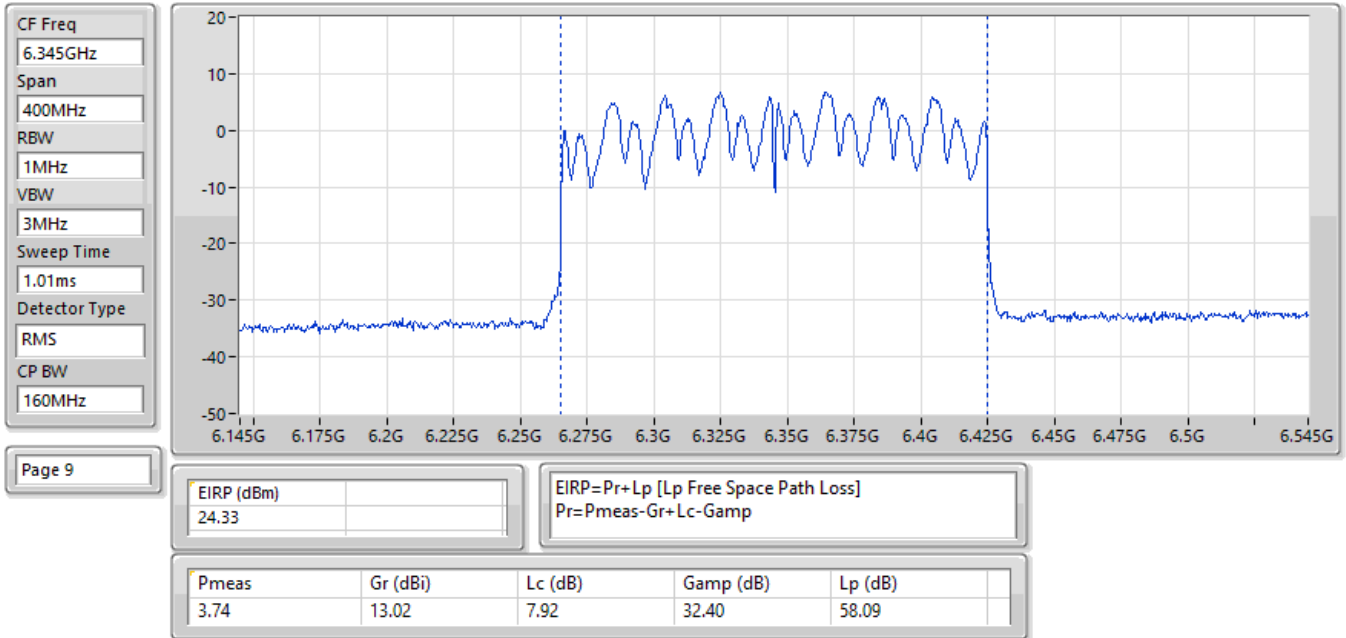
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



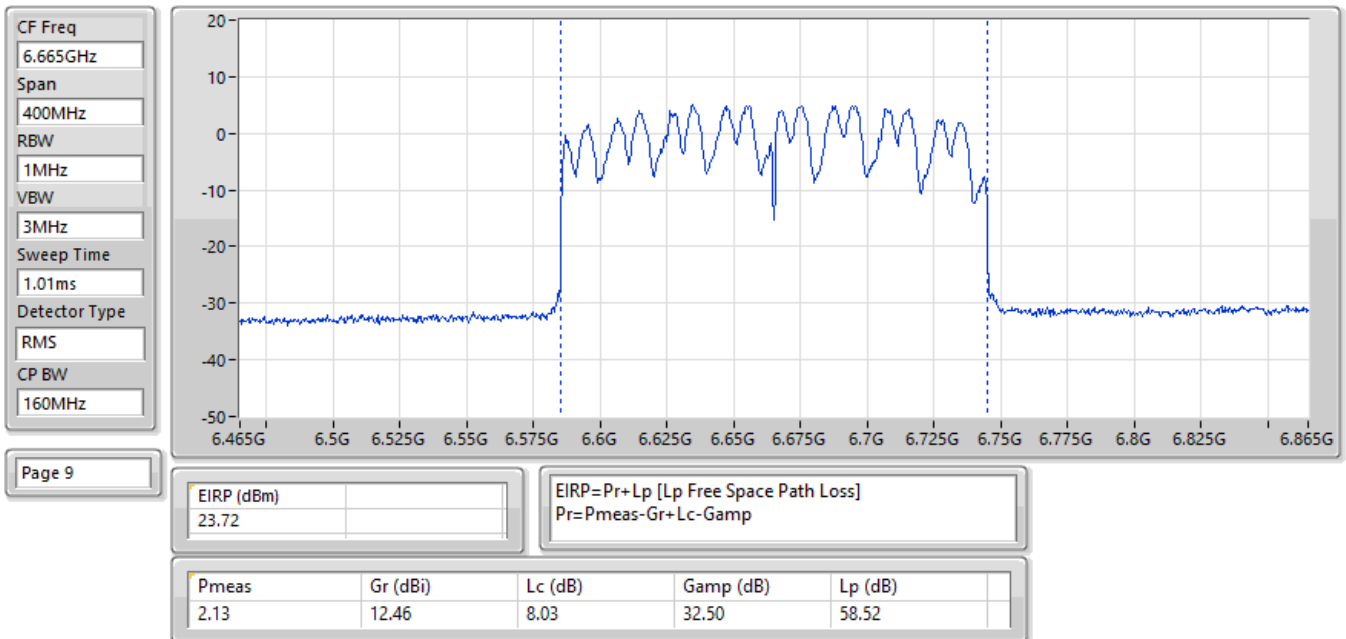
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX



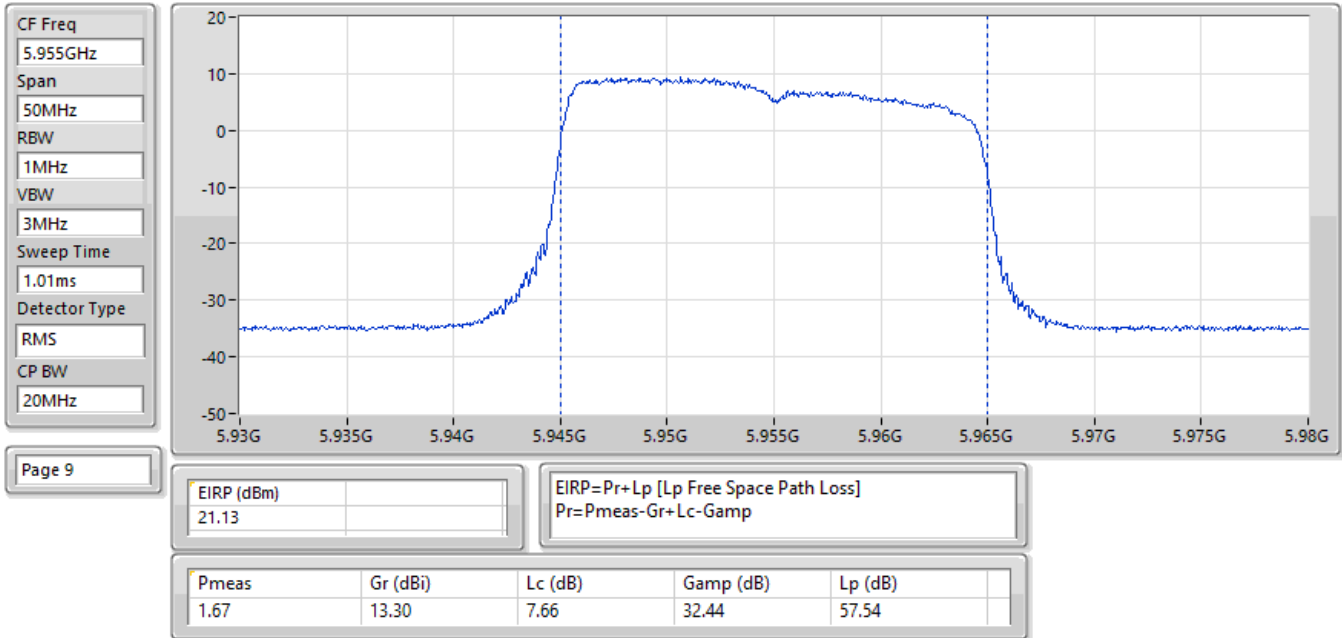
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX



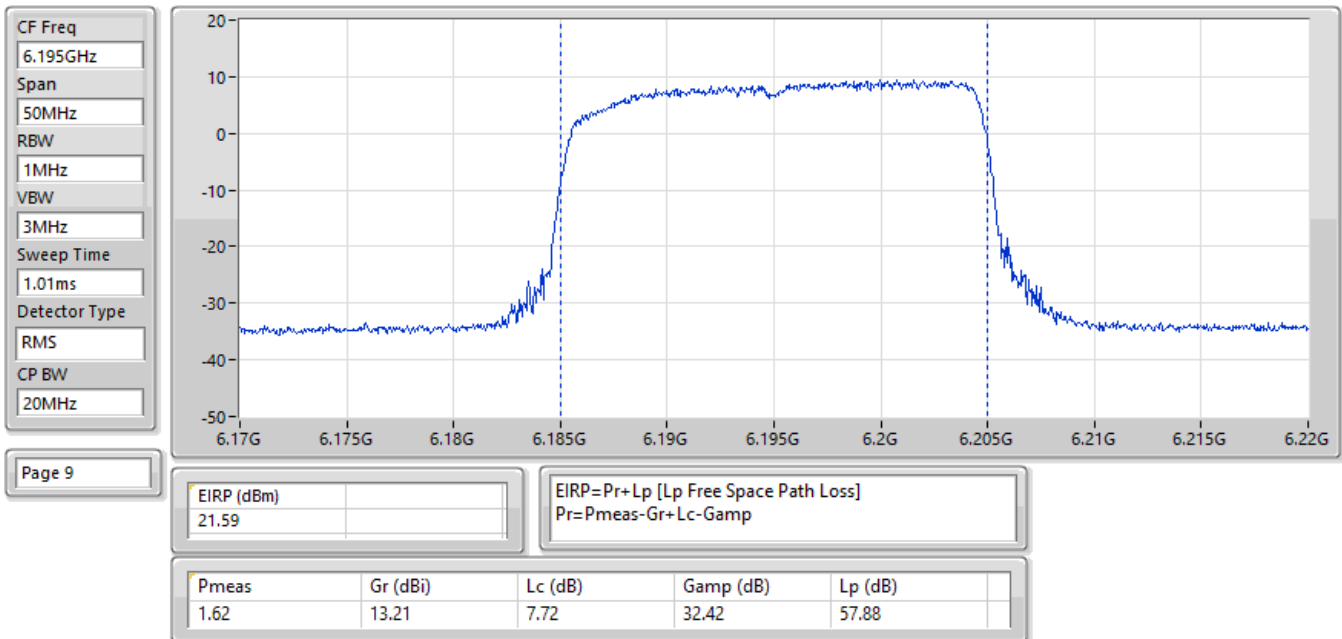
EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6665MHz;TX



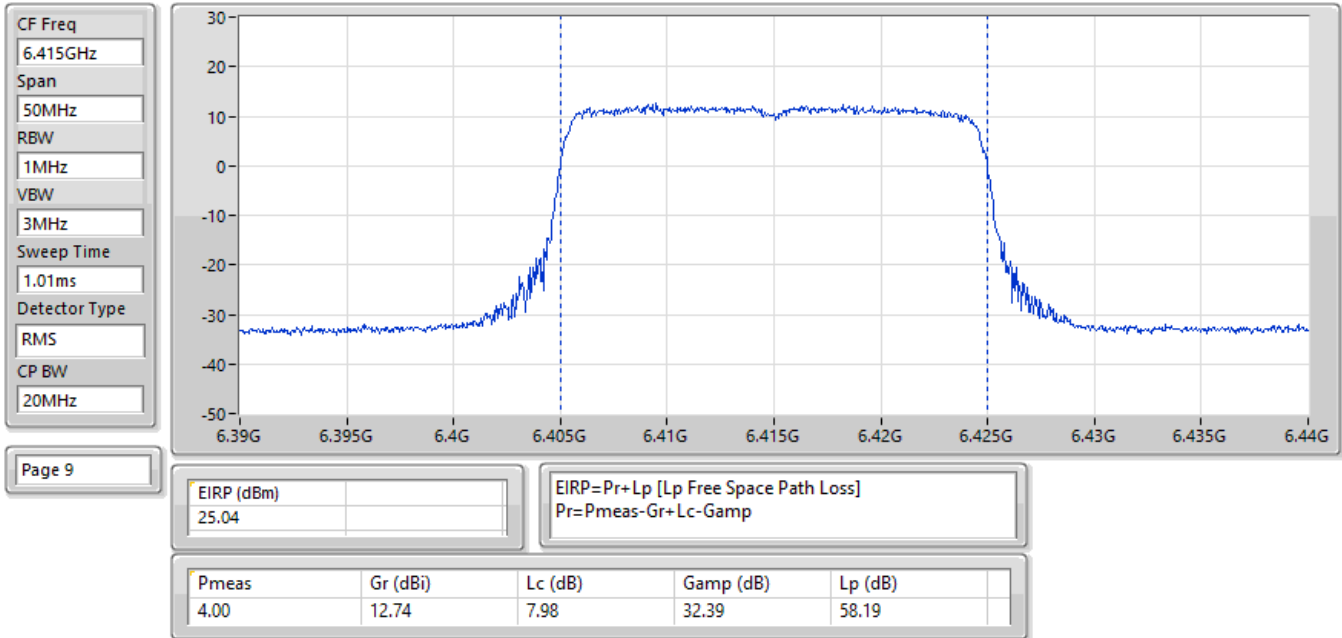
EIRP:Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:5955MHz;TX



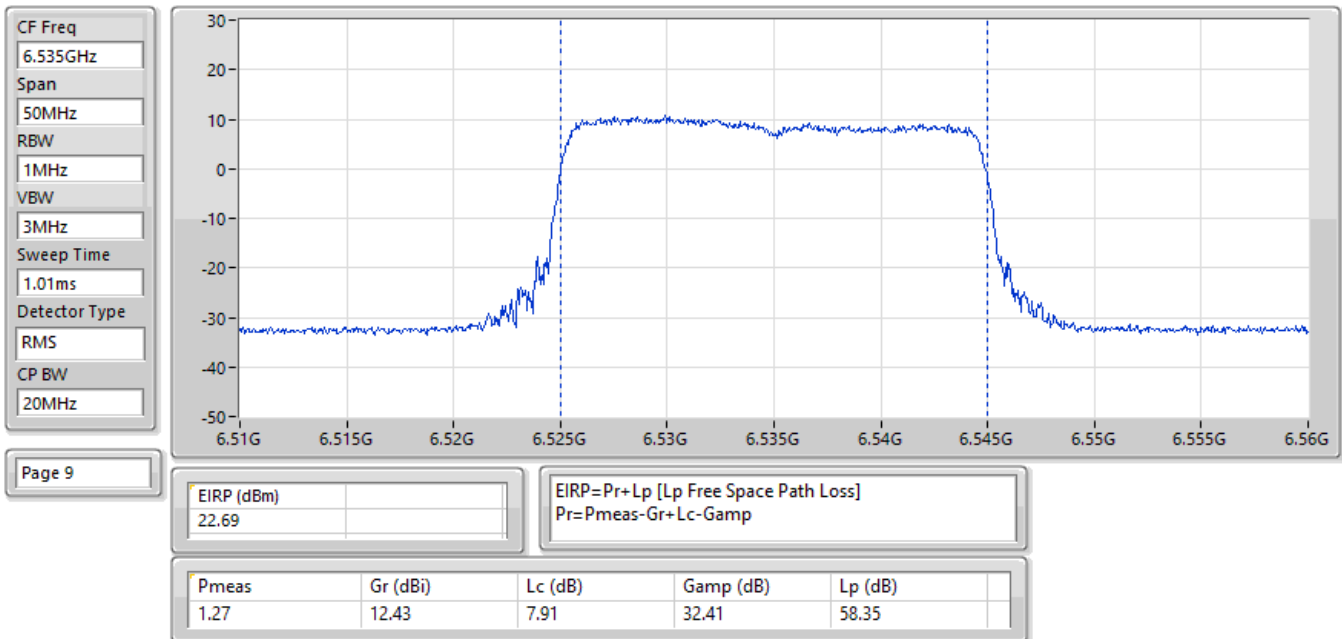
EIRP:Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6195MHz;TX



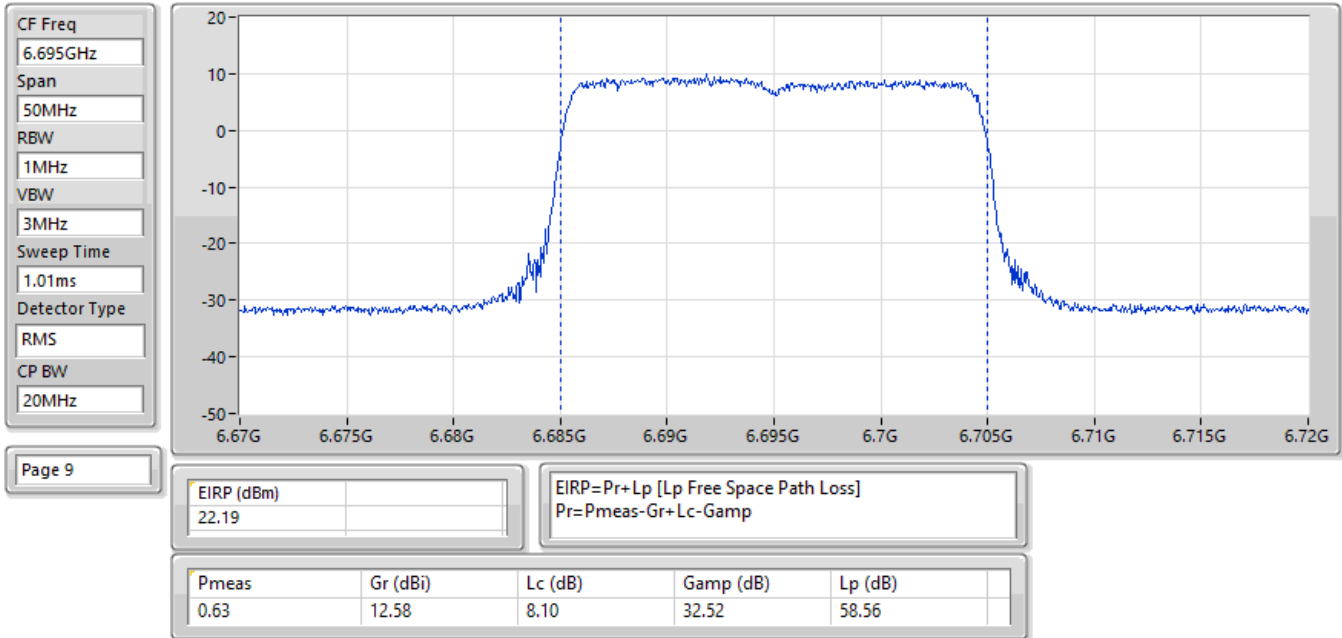
EIRP:Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6415MHz;TX



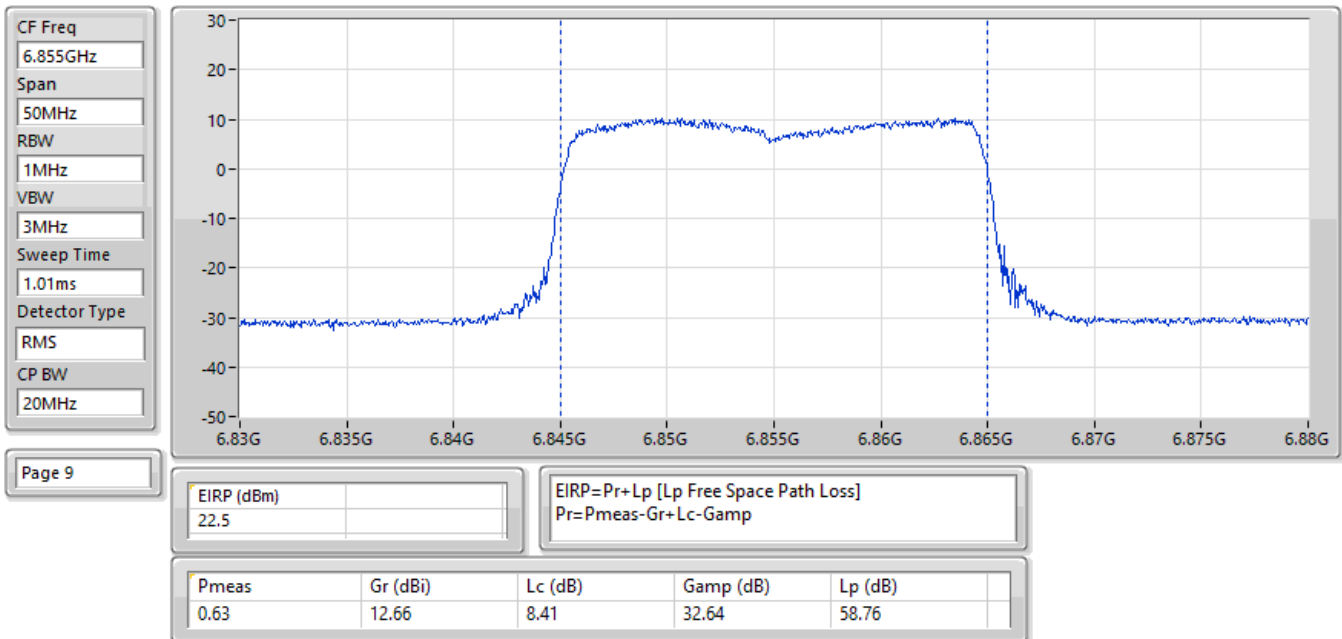
EIRP:Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6535MHz;TX



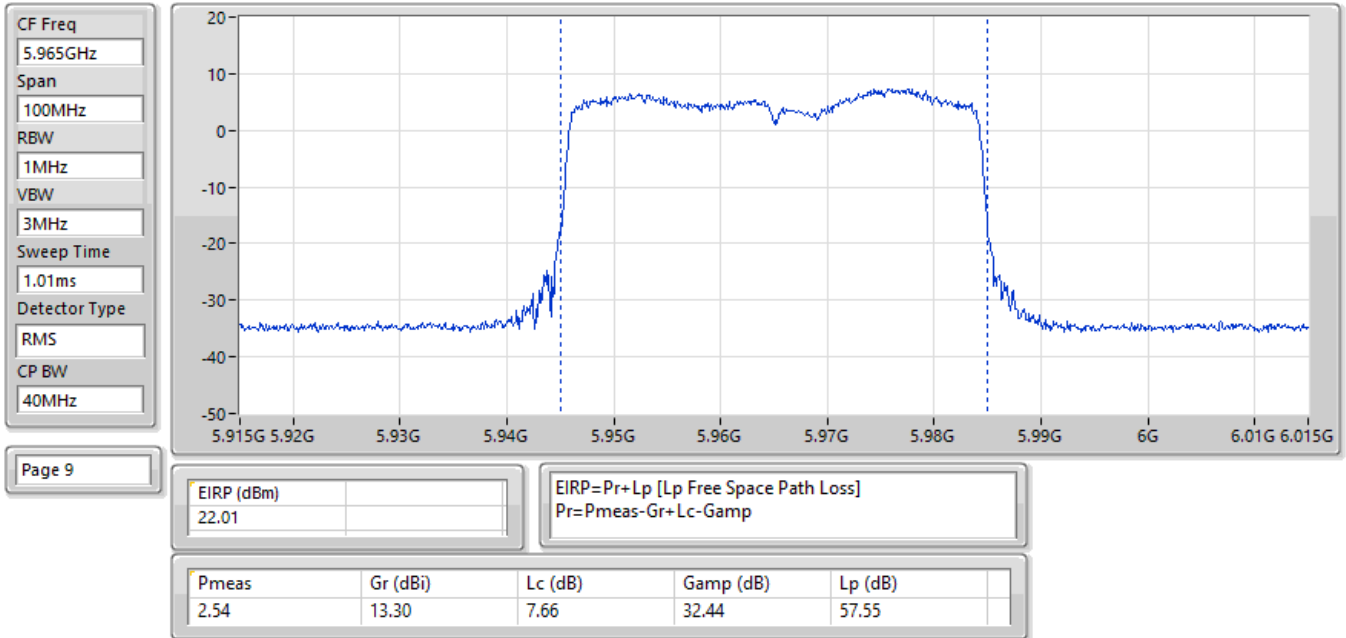
EIRP:Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6695MHz;TX



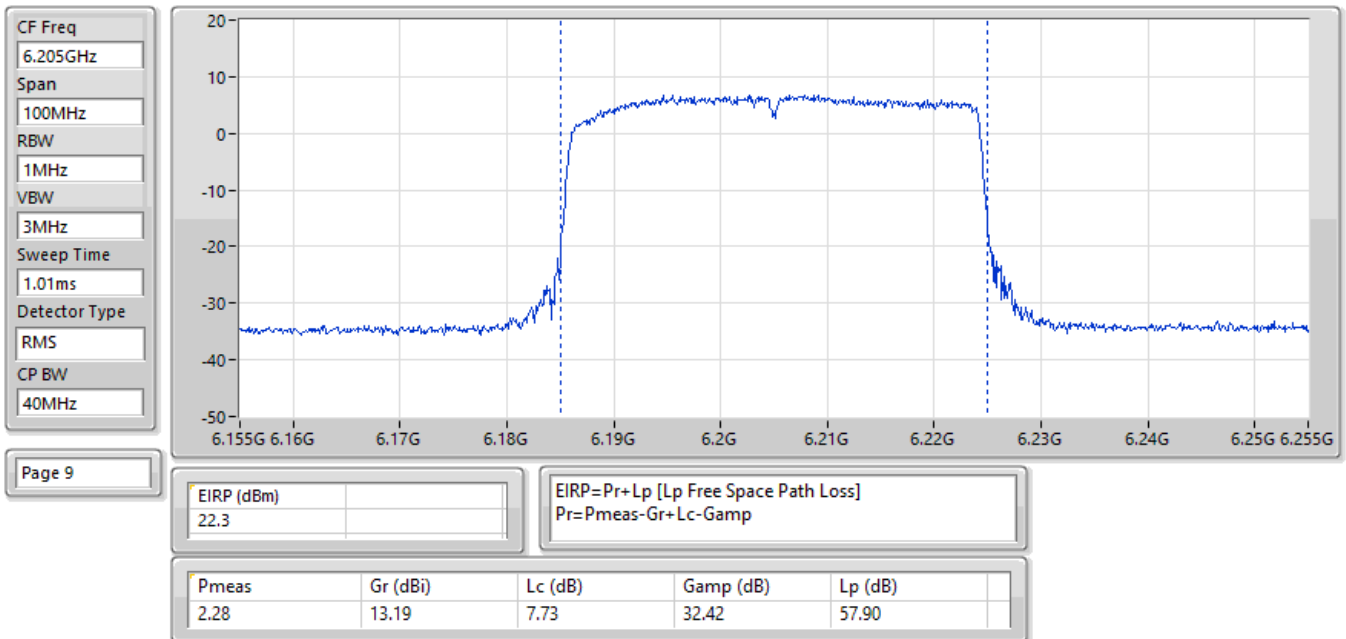
EIRP:Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6855MHz;TX



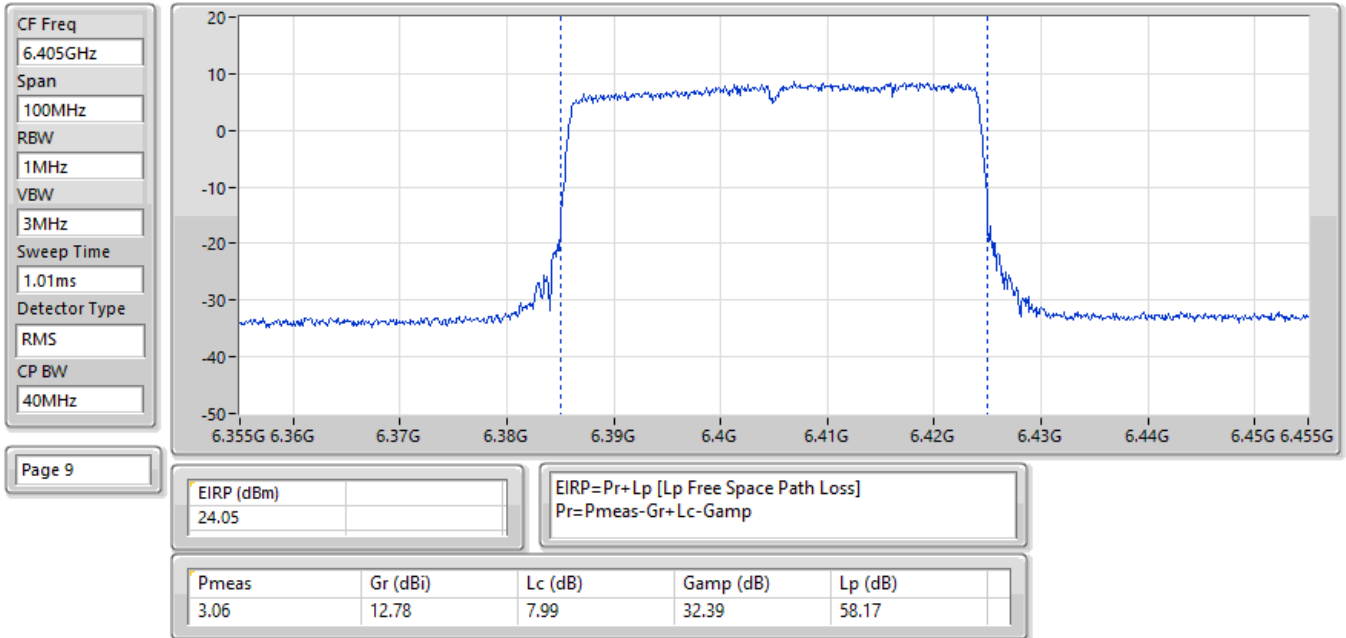
EIRP:Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:5965MHz;TX



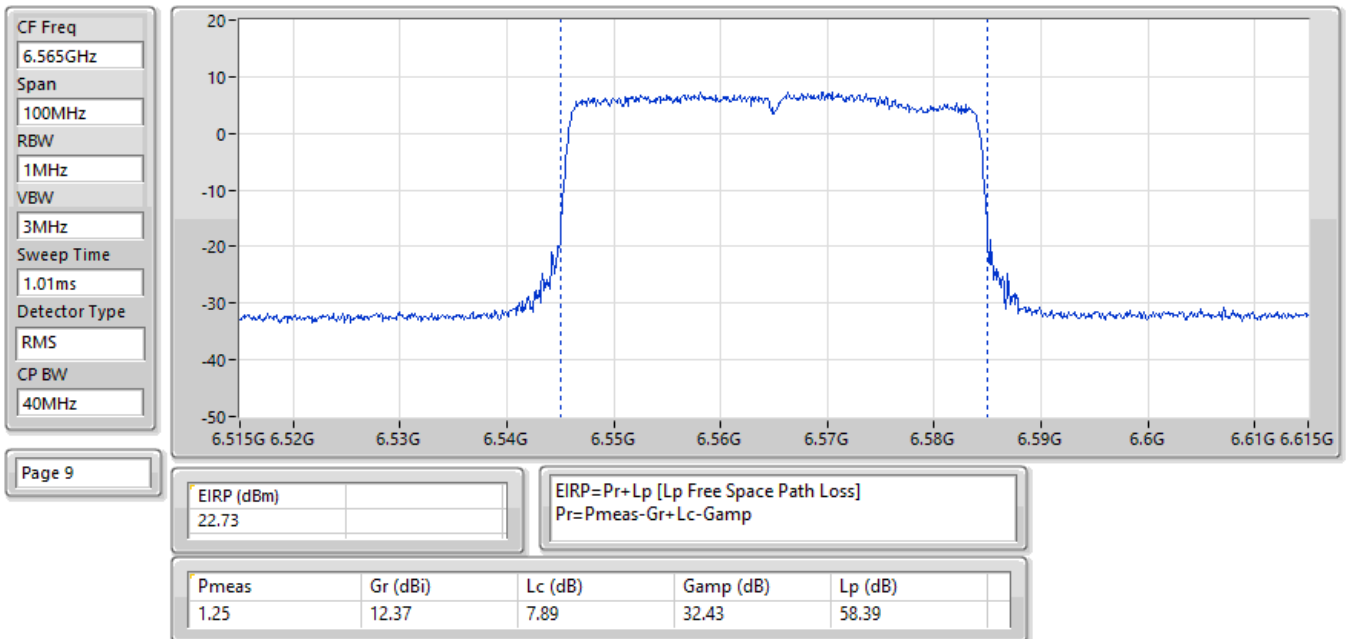
EIRP:Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:6205MHz;TX



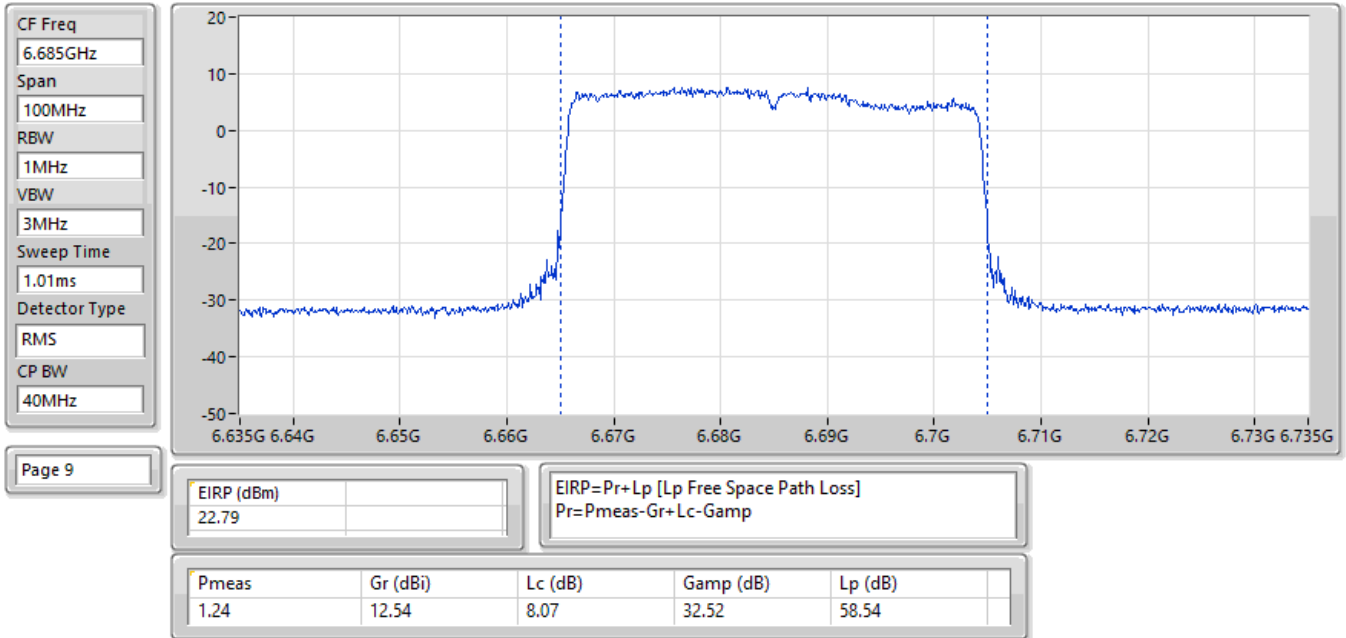
EIRP:Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:6405MHz;TX



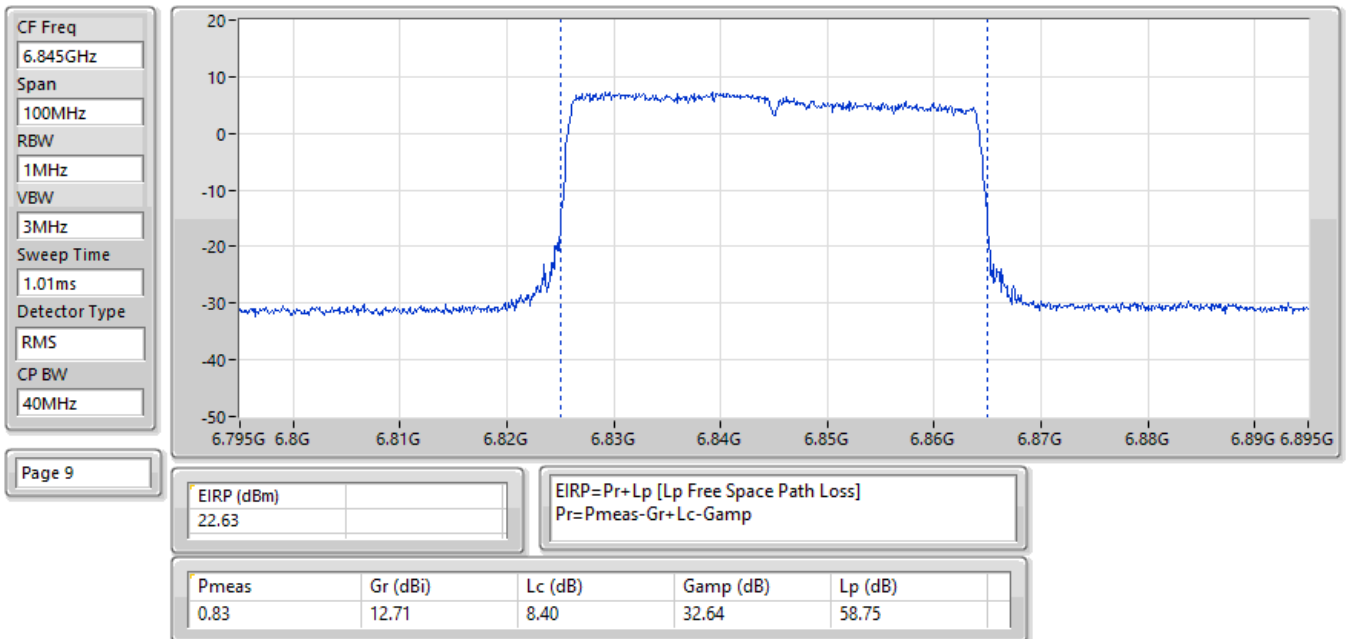
EIRP:Band:6.7G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:6565MHz;TX



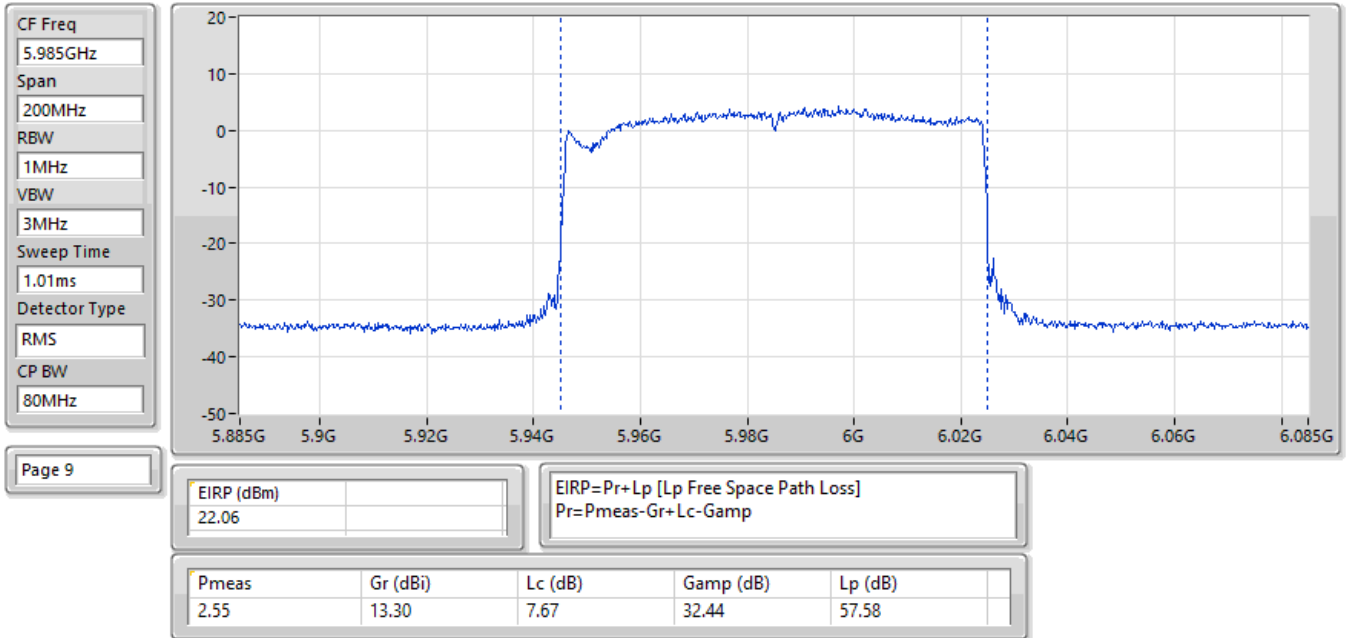
EIRP:Band:6.7G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:6685MHz;TX



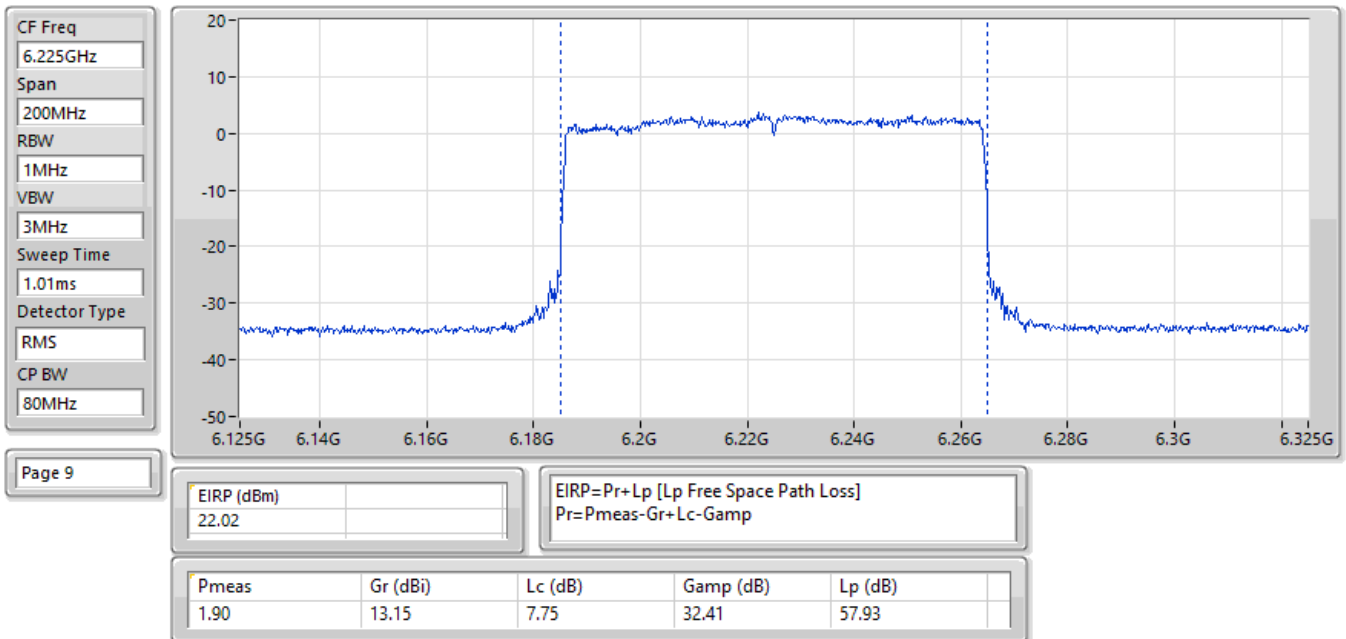
EIRP:Band:6.7G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:6845MHz;TX



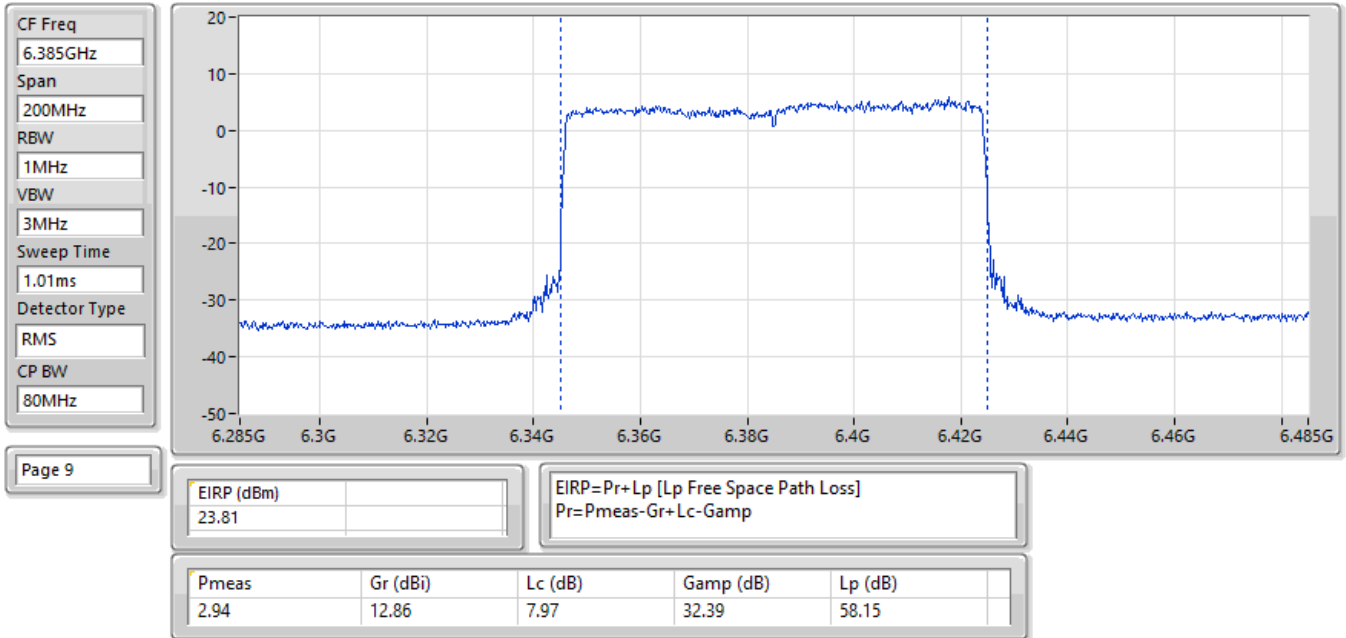
EIRP:Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:5985MHz;TX



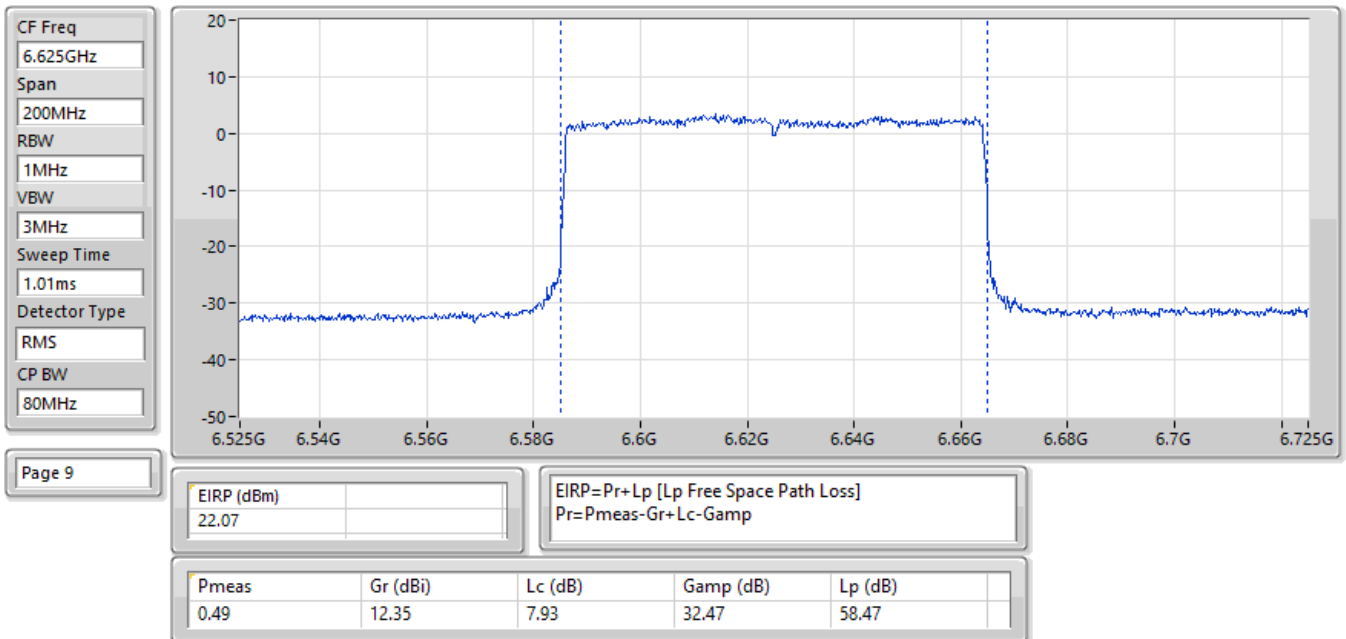
EIRP:Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6225MHz;TX



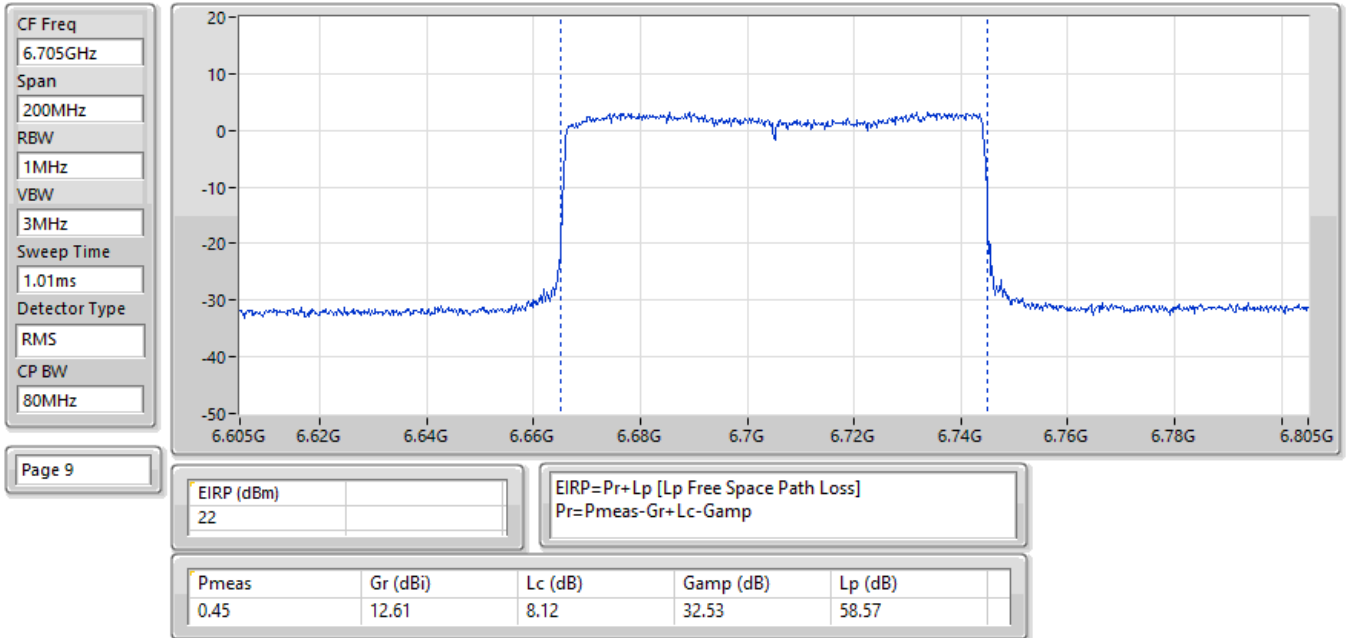
EIRP:Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6385MHz;TX



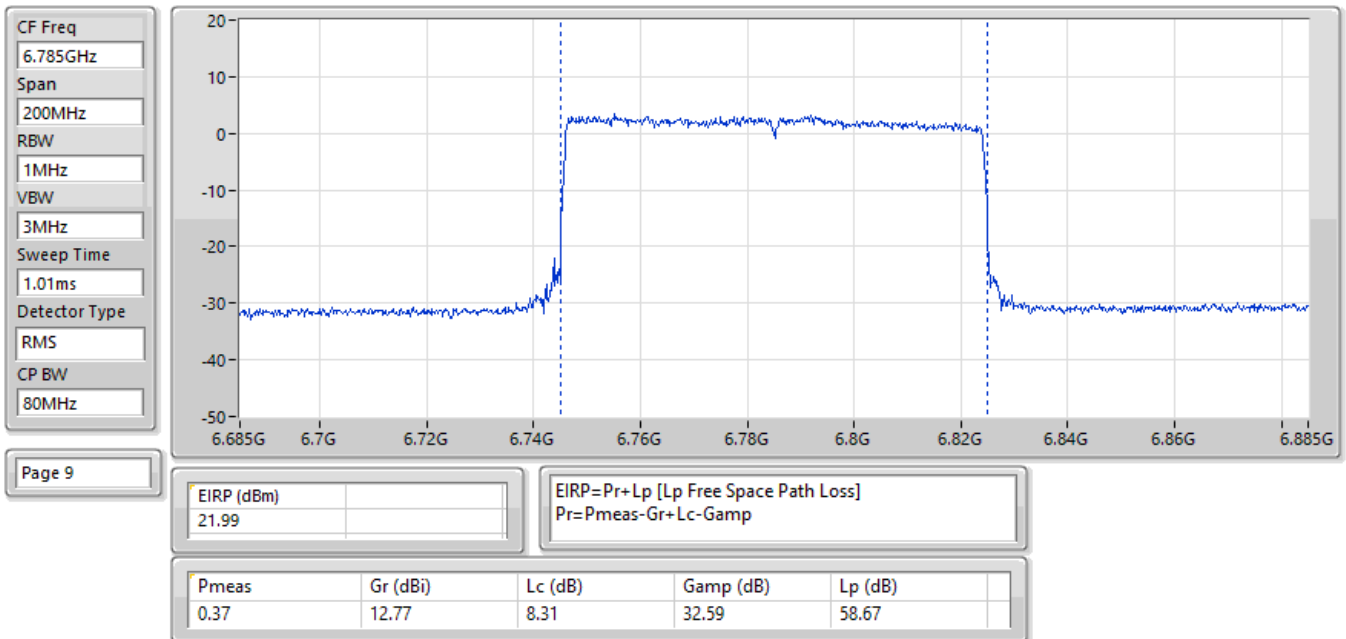
EIRP:Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6625MHz;TX



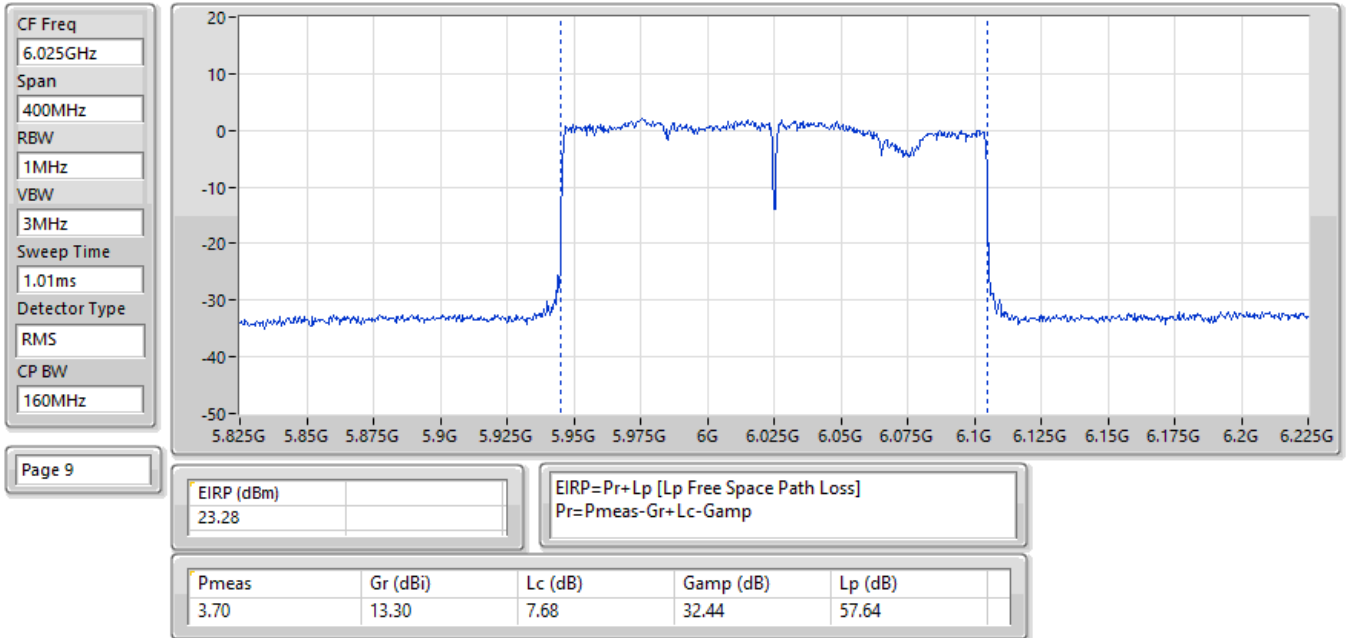
EIRP;Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6705MHz;TX



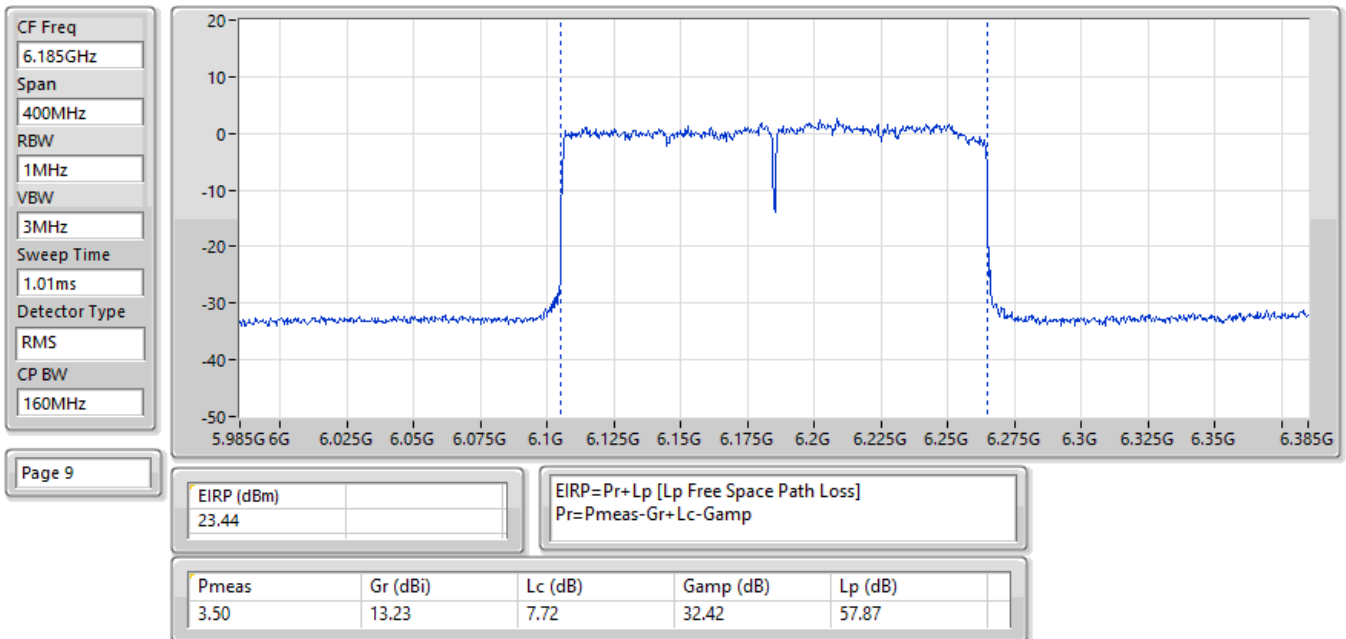
EIRP;Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6785MHz;TX



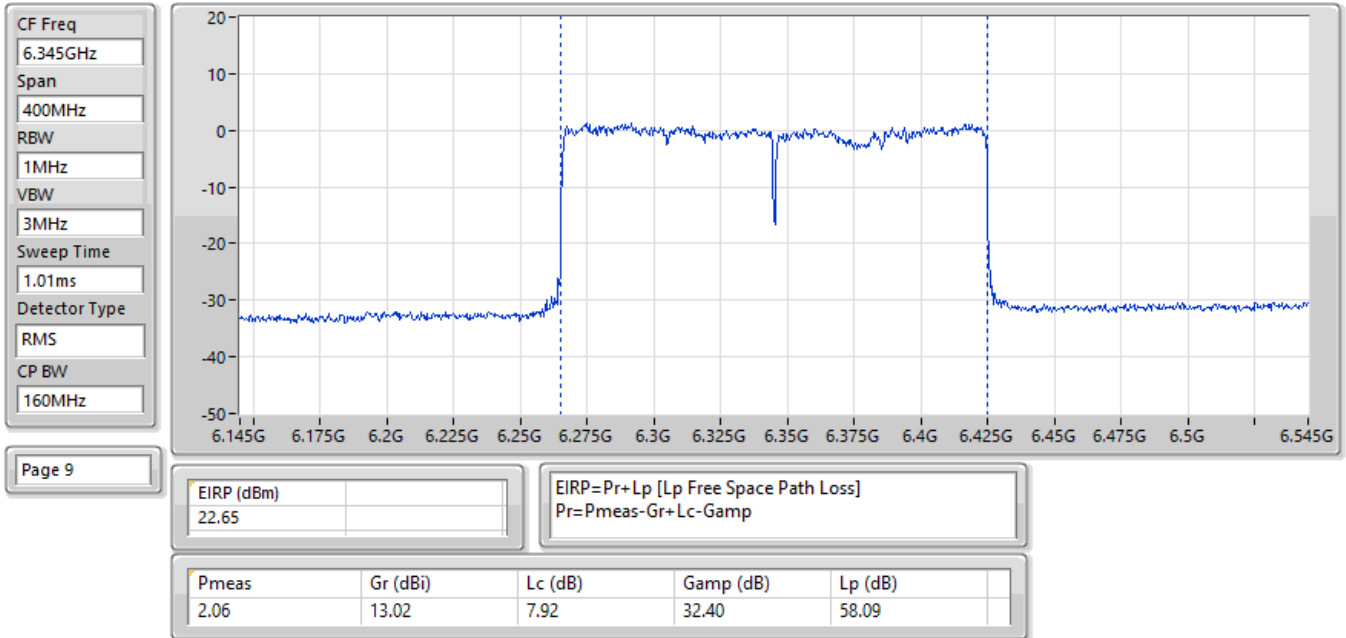
EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6025MHz;TX



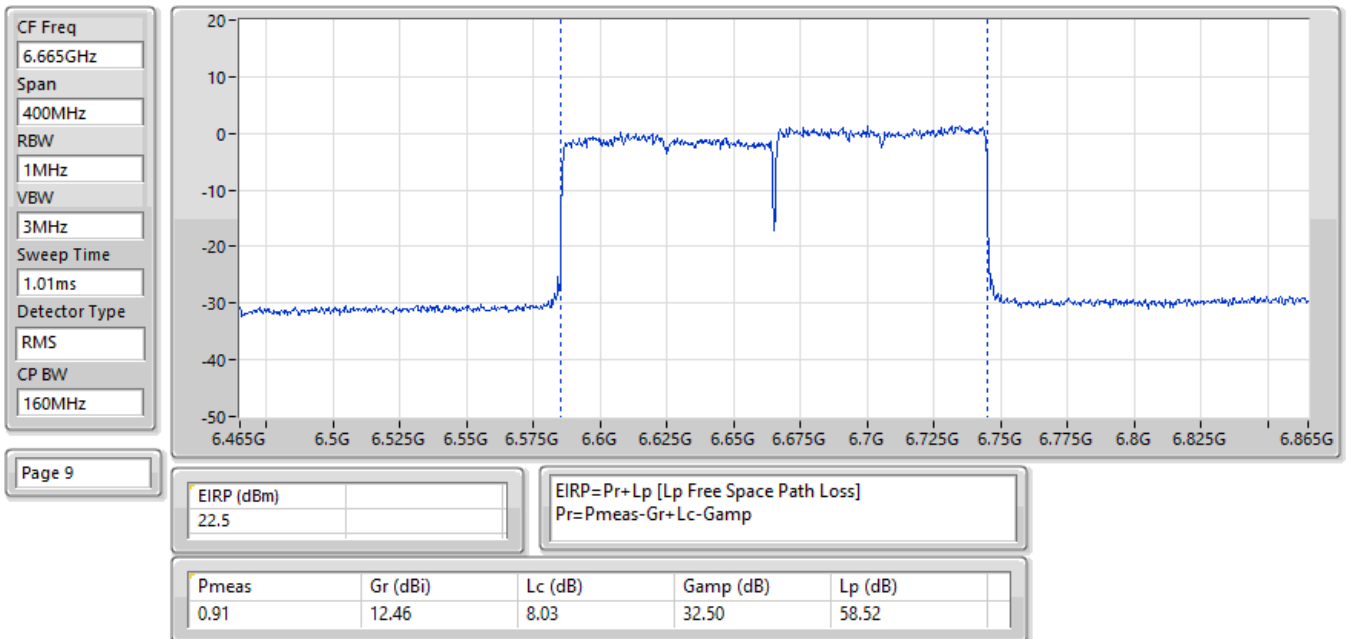
EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6185MHz;TX



EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6345MHz;TX



EIRP;Band:6.7G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6665MHz;TX





Average Power-E.I.R.P. at any elevation angle above 30 degrees Appendix C.2

Test Mode: Mode 1

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	20.74	0.11858	20.94	0.124165
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	14.45	0.02786	20.67	0.116681
802.11ax HEW40_Nss1,(MCS0)_4TX	20.63	0.11561	20.83	0.12106
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	14.37	0.02735	20.59	0.114551
802.11ax HEW80_Nss1,(MCS0)_4TX	20.67	0.11668	20.87	0.12218
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	14.26	0.02667	20.48	0.111686
802.11ax HEW160_Nss1,(MCS0)_4TX	20.58	0.11429	20.78	0.119674
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	14.56	0.02858	20.78	0.119674
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	20.13	0.10304	20.92	0.123595
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	13.83	0.02415	20.64	0.115878
802.11ax HEW40_Nss1,(MCS0)_4TX	20.13	0.10304	20.92	0.123595
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	14.04	0.02535	20.85	0.121619
802.11ax HEW80_Nss1,(MCS0)_4TX	19.86	0.09683	20.65	0.116145
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	13.83	0.02415	20.64	0.115878
802.11ax HEW160_Nss1,(MCS0)_4TX	19.73	0.09397	20.52	0.11272
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	13.62	0.02301	20.43	0.110408



Average Power-E.I.R.P. at any elevation angle above 30 degrees Appendix C.2

Result

Mode	Result	DG [Phi 30°]	Port 1	Port 2	Port 3	Port 4	Total Power	EIRP [Phi 30°]	EIRP Limit [Phi 30°]
		(dBi)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	0.20	14.80	14.19	13.87	14.92	20.49	20.69	21.00
6195MHz	Pass	0.20	14.49	14.83	14.48	15.04	20.74	20.94	21.00
6415MHz	Pass	0.20	14.49	14.39	14.33	14.76	20.52	20.72	21.00
6535MHz	Pass	0.79	13.77	14.26	13.93	14.45	20.13	20.92	21.00
6695MHz	Pass	0.79	14.77	13.48	13.18	14.43	20.03	20.82	21.00
6855MHz	Pass	0.79	14.49	13.79	13.28	13.80	19.88	20.67	21.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	0.20	14.69	14.49	14.05	14.91	20.57	20.77	21.00
6205MHz	Pass	0.20	14.39	14.53	14.20	14.58	20.45	20.65	21.00
6405MHz	Pass	0.20	14.97	14.45	14.24	14.76	20.63	20.83	21.00
6565MHz	Pass	0.79	13.78	14.20	13.72	14.66	20.13	20.92	21.00
6685MHz	Pass	0.79	14.25	13.60	12.80	14.36	19.82	20.61	21.00
6845MHz	Pass	0.79	14.14	13.63	13.19	13.81	19.73	20.52	21.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	0.20	14.80	14.43	14.24	15.00	20.65	20.85	21.00
6225MHz	Pass	0.20	14.48	14.76	14.39	14.72	20.61	20.81	21.00
6385MHz	Pass	0.20	15.01	14.32	14.25	14.97	20.67	20.87	21.00
6625MHz	Pass	0.79	13.90	14.12	12.70	14.46	19.86	20.65	21.00
6705MHz	Pass	0.79	14.39	13.67	12.76	14.23	19.83	20.62	21.00
6785MHz	Pass	0.79	14.55	13.27	13.66	13.70	19.84	20.63	21.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	0.20	14.64	14.30	14.39	14.87	20.58	20.78	21.00
6185MHz	Pass	0.20	14.34	14.31	14.47	14.51	20.43	20.63	21.00
6345MHz	Pass	0.20	14.68	14.08	13.72	14.72	20.34	20.54	21.00
6665MHz	Pass	0.79	14.06	13.81	12.61	14.20	19.73	20.52	21.00
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	6.22	9.06	7.97	7.99	8.17	14.34	20.56	21.00
6195MHz	Pass	6.22	8.48	8.51	7.61	7.99	14.18	20.4	21.00
6415MHz	Pass	6.22	8.68	7.76	8.61	8.60	14.45	20.67	21.00
6535MHz	Pass	6.81	7.86	6.45	7.56	7.45	13.38	20.19	21.00
6695MHz	Pass	6.81	7.86	6.92	7.18	7.62	13.43	20.24	21.00
6855MHz	Pass	6.81	8.61	7.18	8.08	7.21	13.83	20.64	21.00
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	6.22	9.49	7.91	7.98	7.77	14.37	20.59	21.00
6205MHz	Pass	6.22	9.15	7.63	7.73	7.72	14.13	20.35	21.00
6405MHz	Pass	6.22	8.85	7.60	8.46	8.37	14.36	20.58	21.00
6565MHz	Pass	6.81	7.96	9.03	7.46	7.43	14.04	20.85	21.00
6685MHz	Pass	6.81	7.94	6.93	7.33	8.10	13.62	20.43	21.00
6845MHz	Pass	6.81	8.70	7.87	7.23	7.20	13.81	20.62	21.00
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	6.22	8.63	8.20	7.68	8.19	14.21	20.43	21.00
6225MHz	Pass	6.22	8.72	7.98	8.72	7.39	14.26	20.48	21.00
6385MHz	Pass	6.22	8.10	7.34	8.76	8.22	14.15	20.37	21.00
6625MHz	Pass	6.81	8.43	7.92	7.31	7.49	13.83	20.64	21.00
6705MHz	Pass	6.81	8.18	7.32	7.06	7.20	13.48	20.29	21.00
6785MHz	Pass	6.81	8.06	7.21	7.41	7.13	13.49	20.3	21.00
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	6.22	9.10	7.53	8.04	7.91	14.21	20.43	21.00
6185MHz	Pass	6.22	8.84	8.00	8.93	8.34	14.56	20.78	21.00
6345MHz	Pass	6.22	9.04	8.43	7.75	7.87	14.32	20.54	21.00
6665MHz	Pass	6.81	8.07	7.35	7.05	7.86	13.62	20.43	21.00

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



Test Mode: Mode 2

Summary

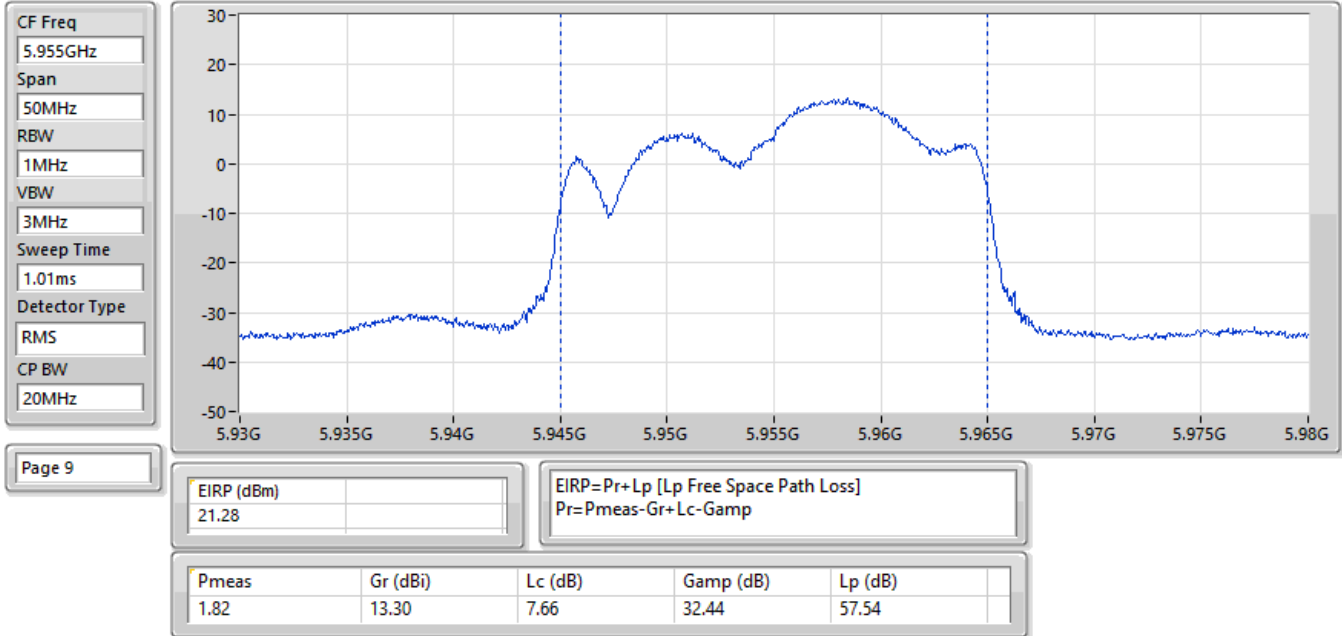
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22.32	0.17061
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	32.19	1.65577
802.11ax HEW40_Nss1,(MCS0)_4TX	21.74	0.14928
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	31.19	1.31522
802.11ax HEW80_Nss1,(MCS0)_4TX	21.97	0.15740
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	32.48	1.77011
802.11ax HEW160_Nss1,(MCS0)_4TX	21.76	0.14997
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	31.62	1.45211
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	22.70	0.18621
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	30.99	1.25603
802.11ax HEW40_Nss1,(MCS0)_4TX	22.53	0.17906
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	31.24	1.33045
802.11ax HEW80_Nss1,(MCS0)_4TX	22.38	0.17298
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	31.87	1.53815
802.11ax HEW160_Nss1,(MCS0)_4TX	21.85	0.15311
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	30.15	1.03514

Result

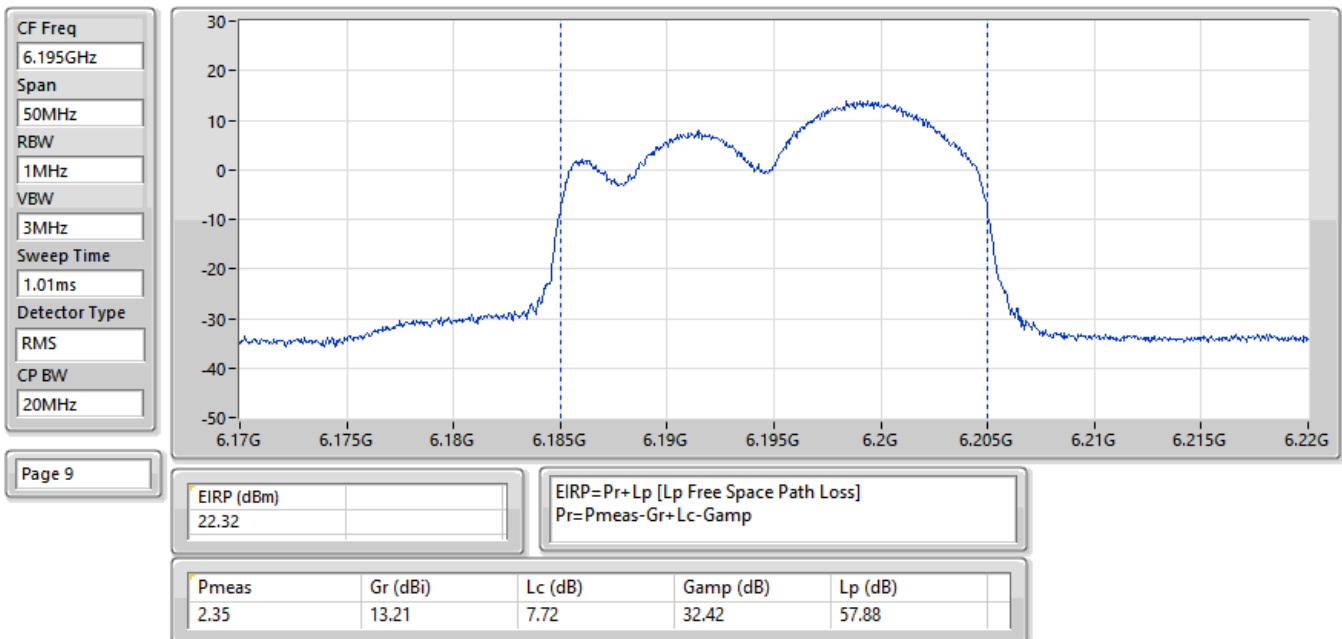
Mode	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5955MHz	21.28	36.00
6195MHz	22.32	36.00
6415MHz	22.04	36.00
6535MHz	22.64	36.00
6695MHz	22.70	36.00
6855MHz	22.27	36.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5965MHz	20.83	36.00
6205MHz	21.74	36.00
6405MHz	21.56	36.00
6565MHz	21.81	36.00
6685MHz	22.38	36.00
6845MHz	22.53	36.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5985MHz	20.43	36.00
6225MHz	21.97	36.00
6385MHz	21.77	36.00
6625MHz	21.64	36.00
6705MHz	22.03	36.00
6785MHz	22.38	36.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-
6025MHz	21.71	36.00
6185MHz	21.69	36.00
6345MHz	21.76	36.00
6665MHz	21.85	36.00
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-
5955MHz	30.40	36.00
6195MHz	32.19	36.00
6415MHz	30.69	36.00
6535MHz	30.30	36.00
6695MHz	30.99	36.00
6855MHz	30.17	36.00
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-
5965MHz	31.19	36.00
6205MHz	30.08	36.00
6405MHz	29.62	36.00
6565MHz	30.79	36.00
6685MHz	30.62	36.00
6845MHz	31.24	36.00
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-
5985MHz	32.00	36.00
6225MHz	31.99	36.00
6385MHz	32.48	36.00
6625MHz	31.83	36.00
6705MHz	31.87	36.00
6785MHz	31.19	36.00
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-
6025MHz	31.62	36.00
6185MHz	29.76	36.00
6345MHz	30.01	36.00
6665MHz	30.15	36.00

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

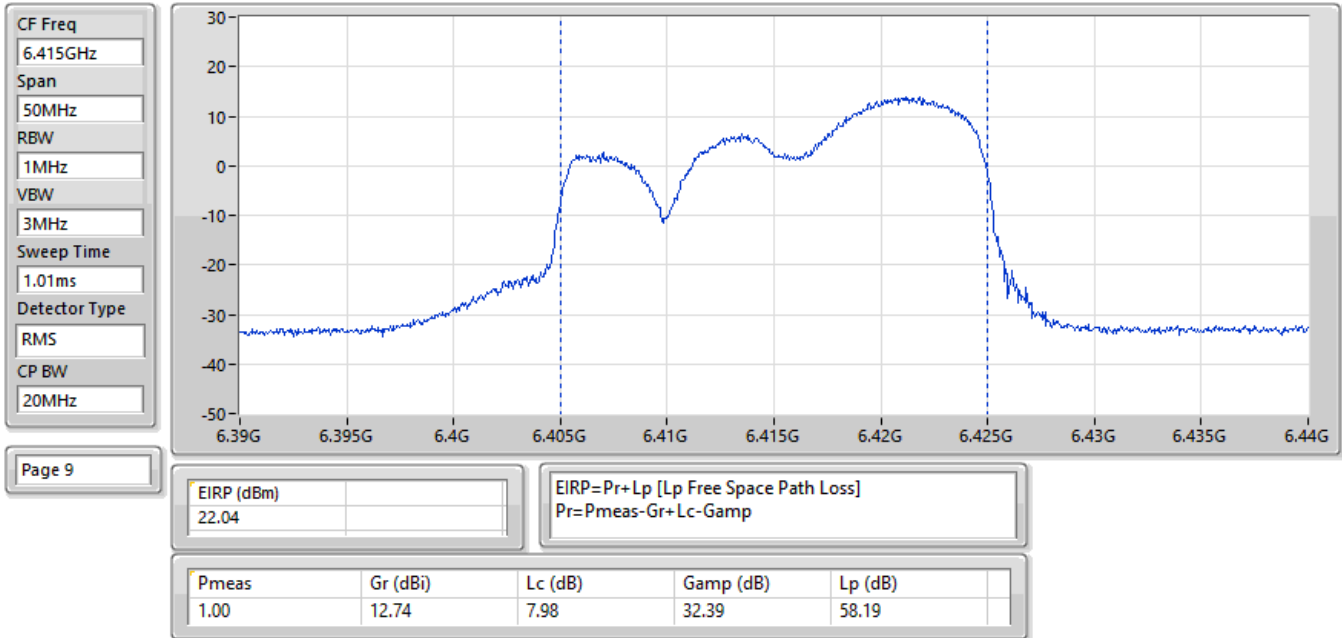
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



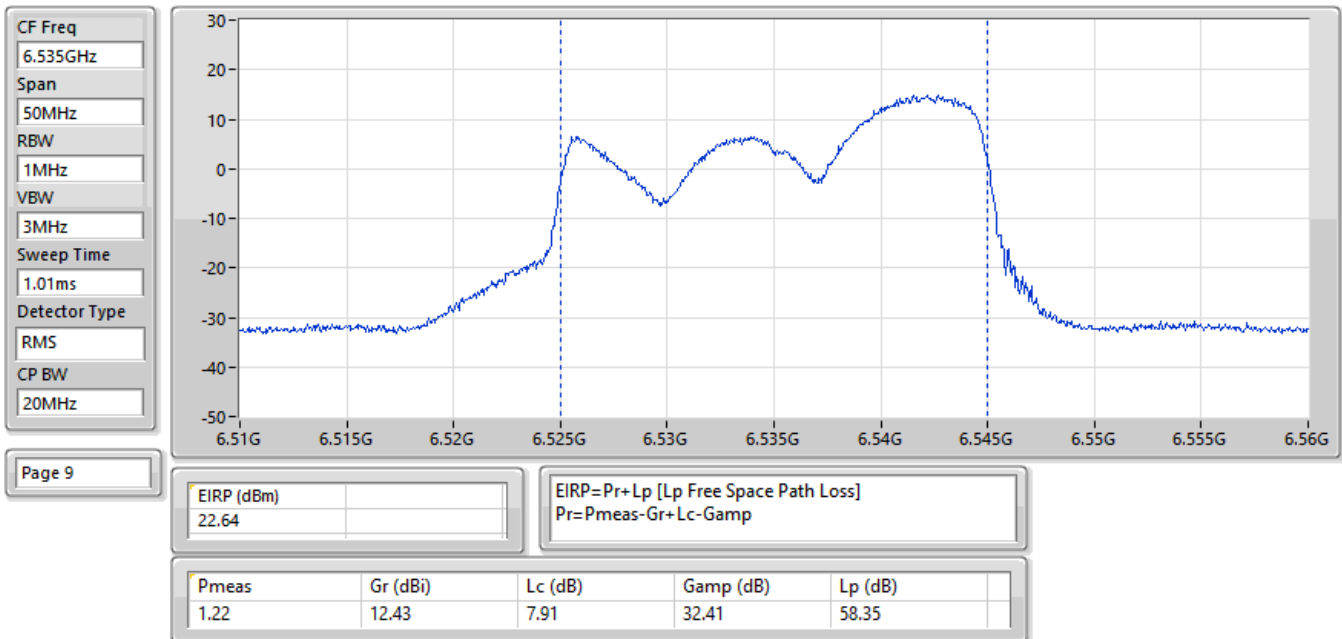
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



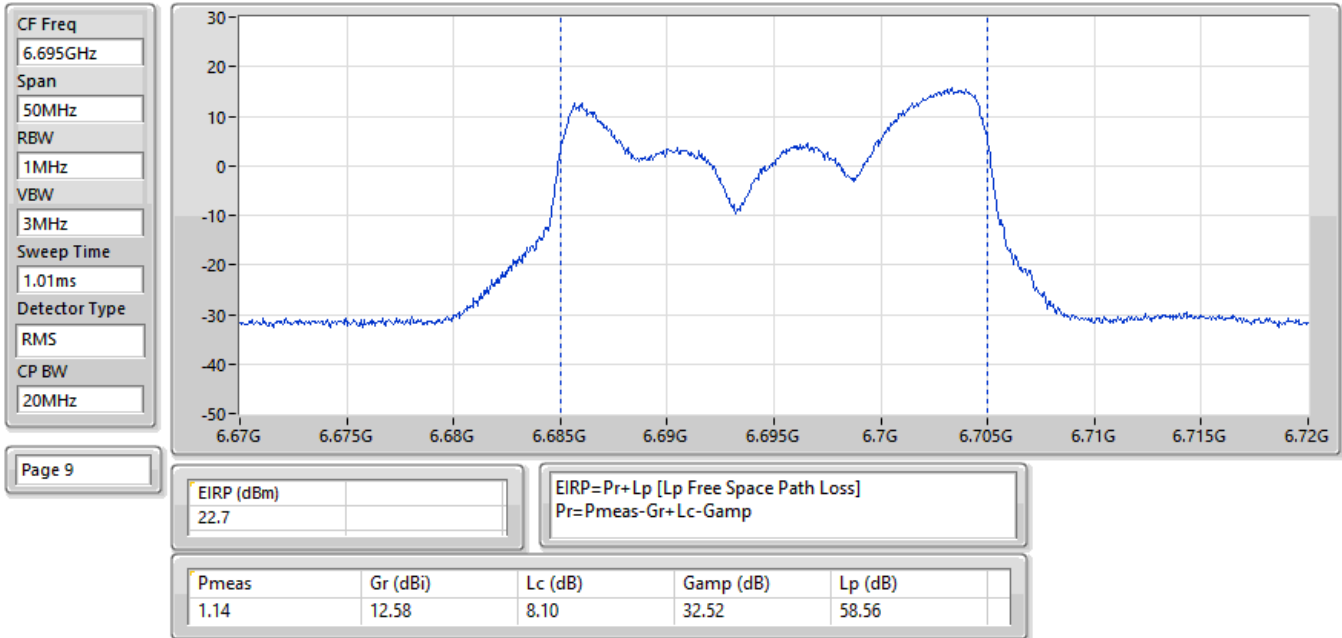
EIRP:Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX



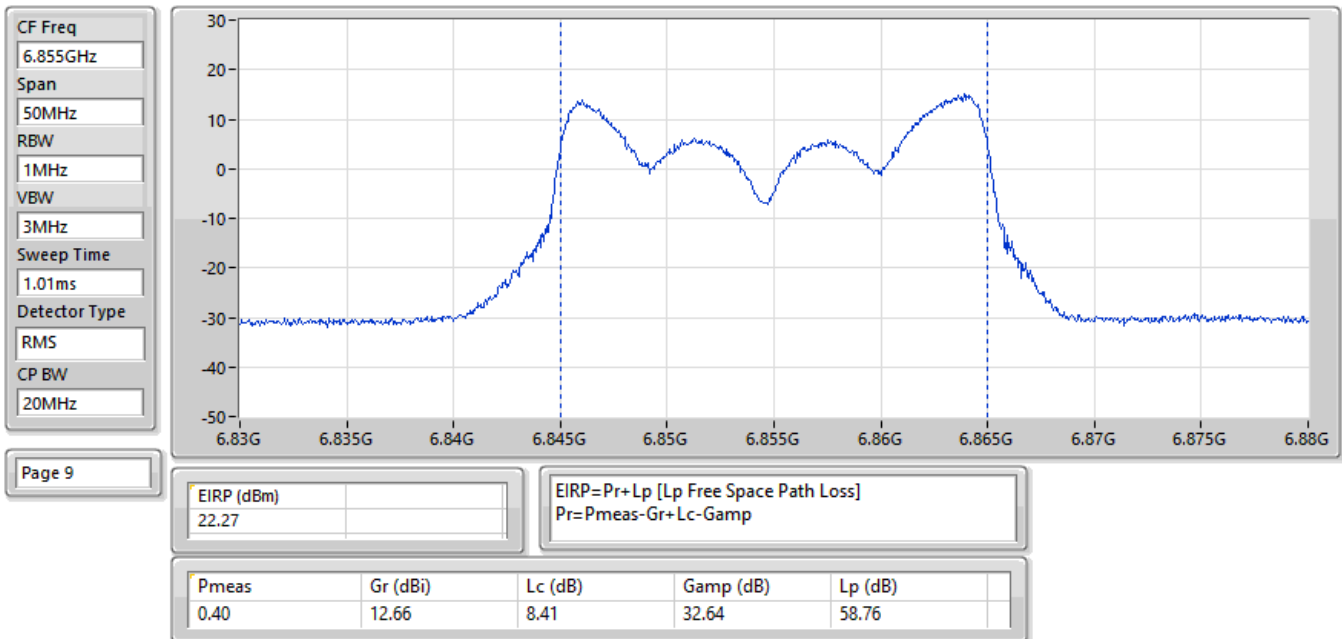
EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6535MHz;TX



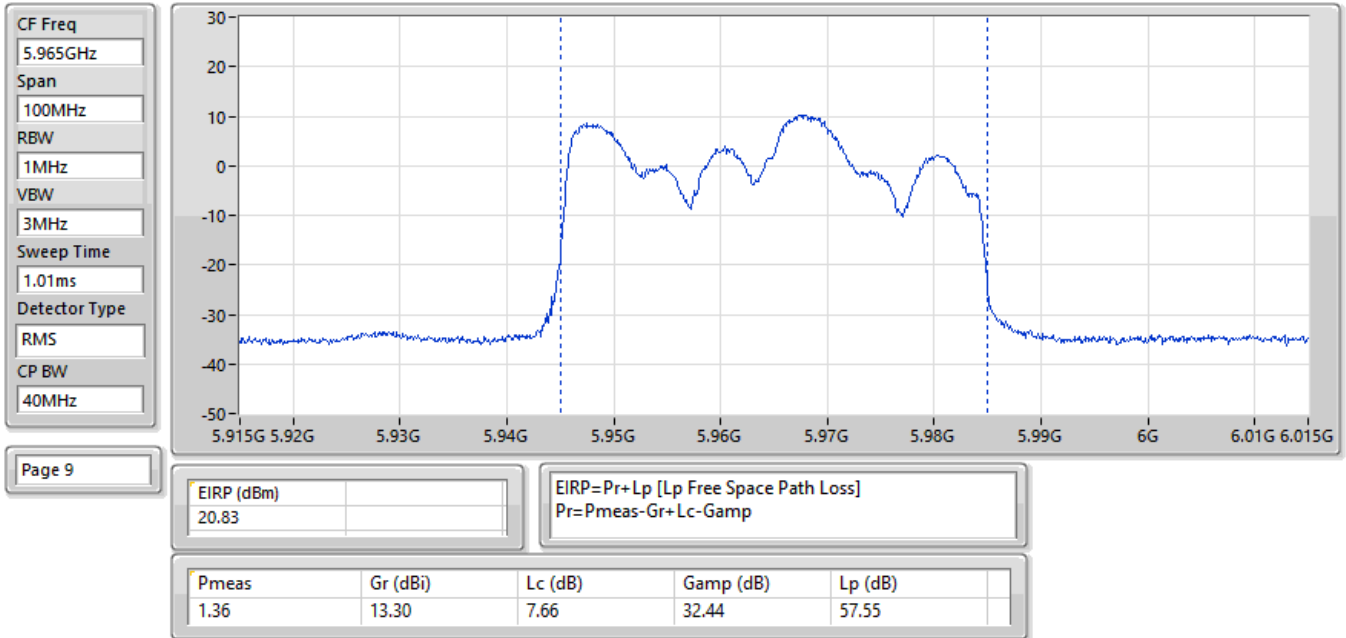
EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6695MHz;TX



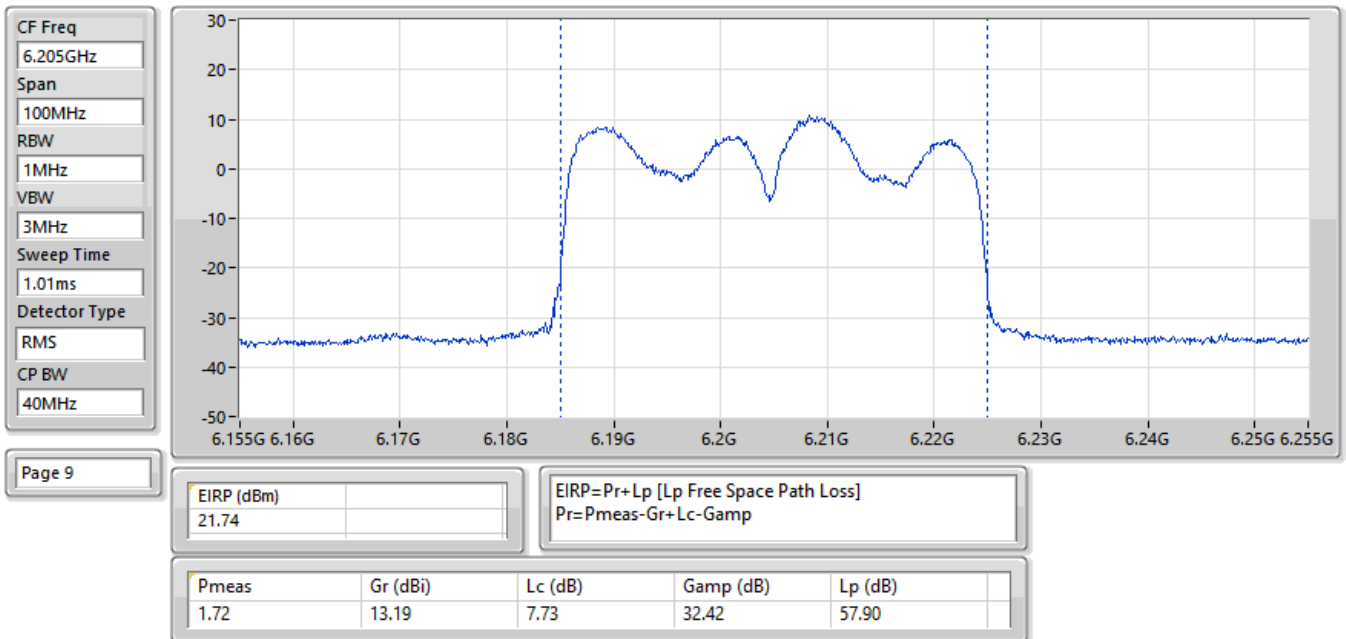
EIRP:Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6855MHz;TX



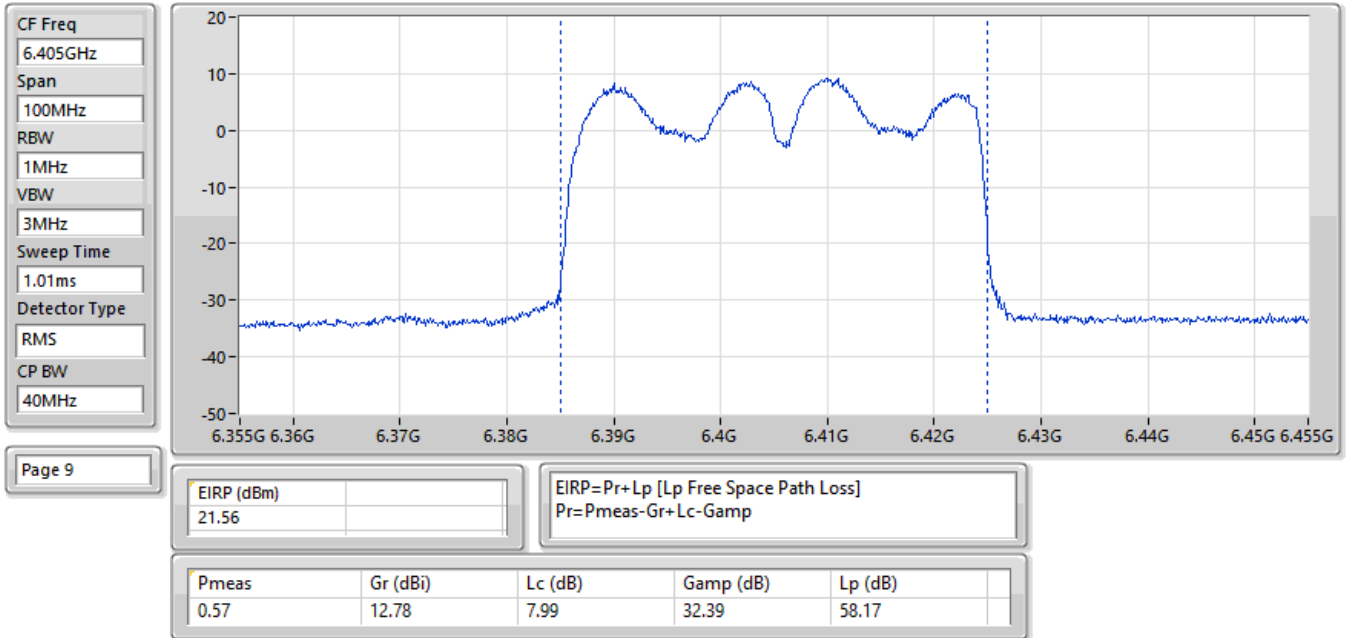
EIRP:Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



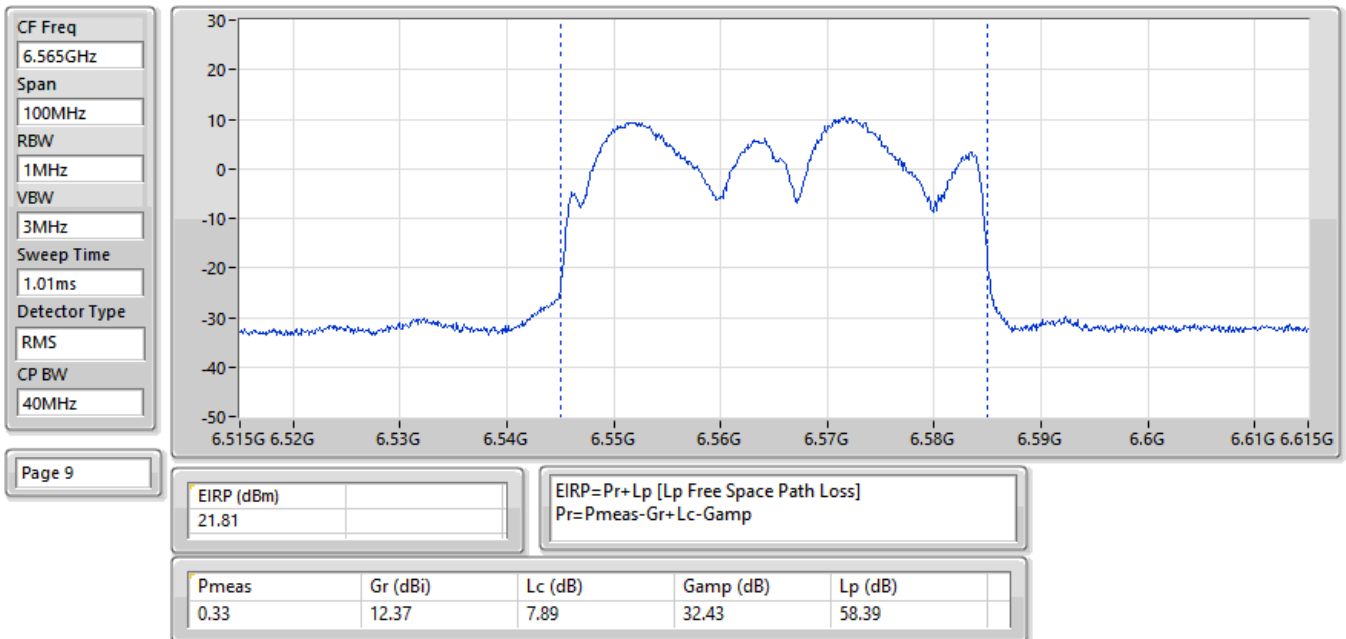
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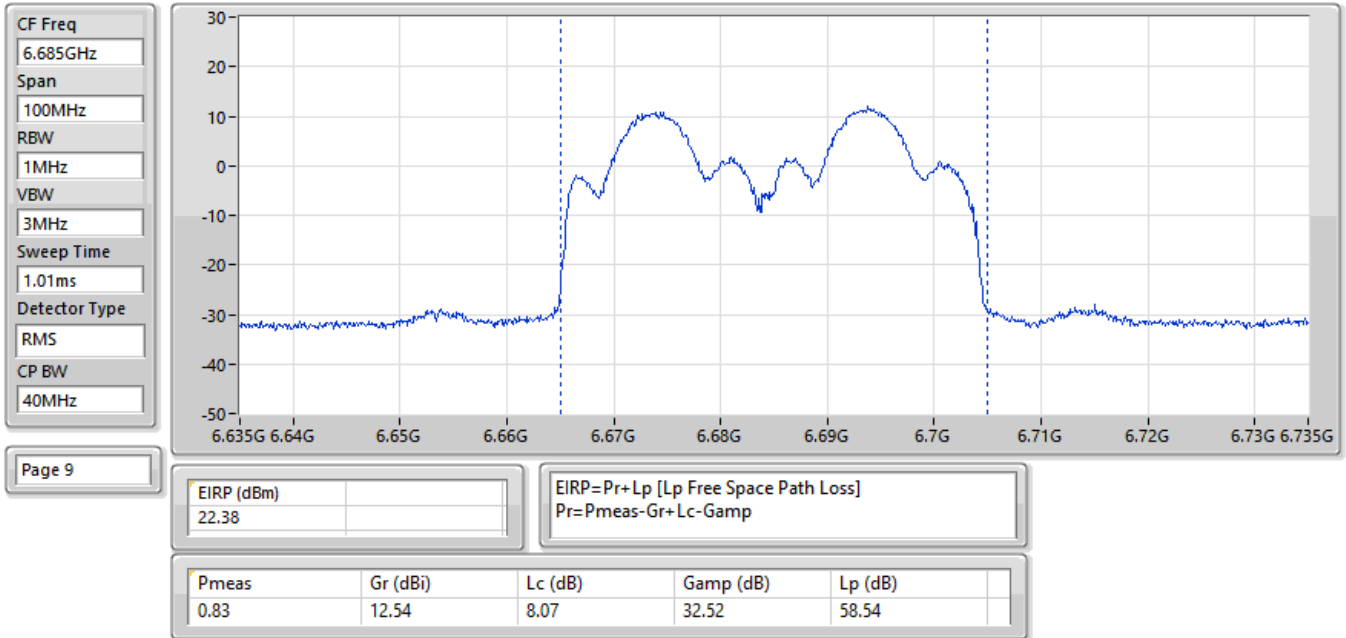
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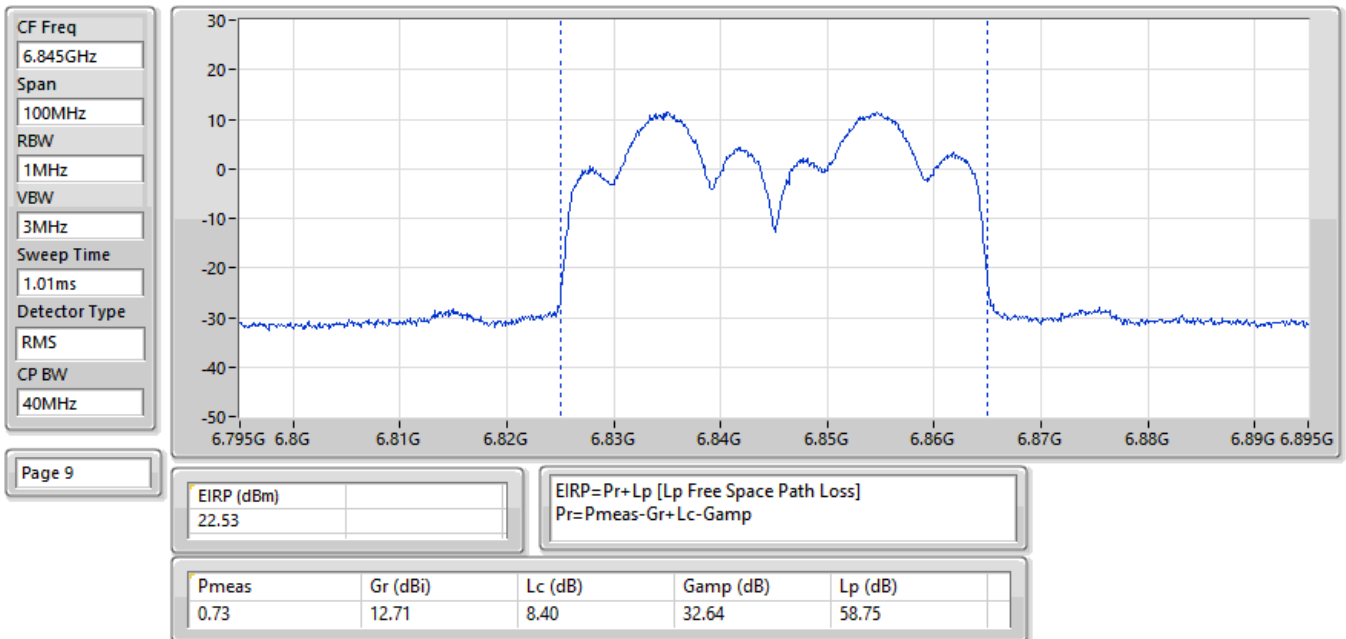
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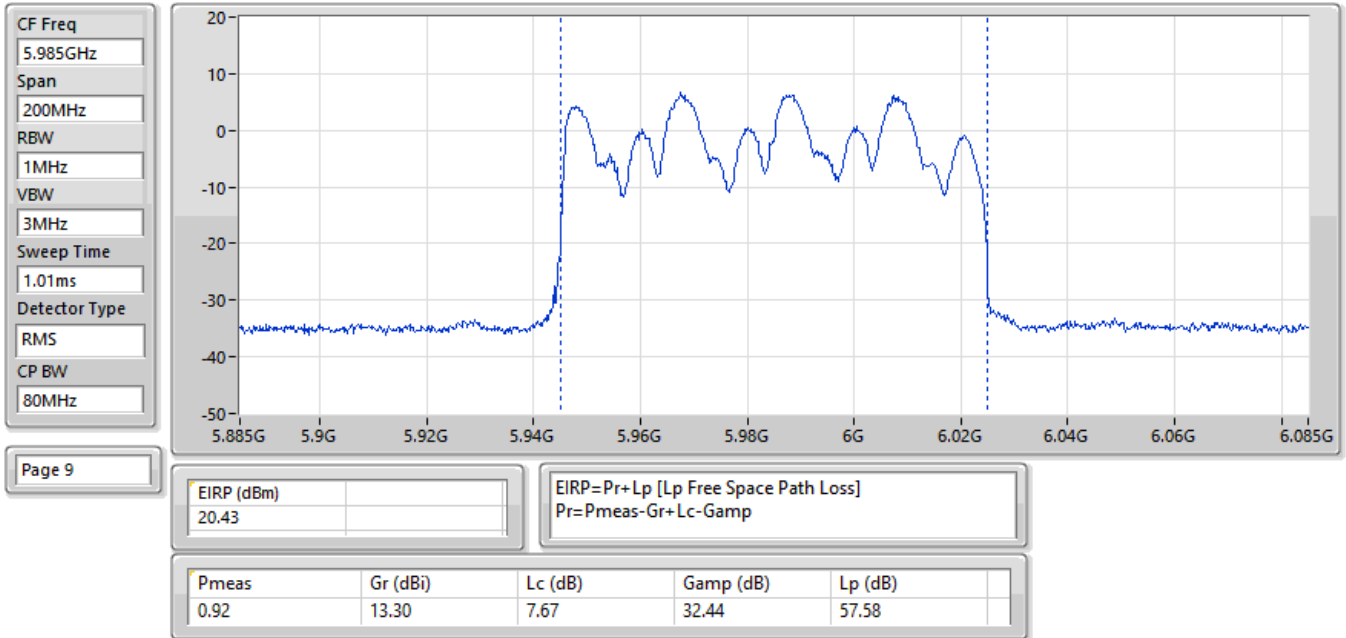
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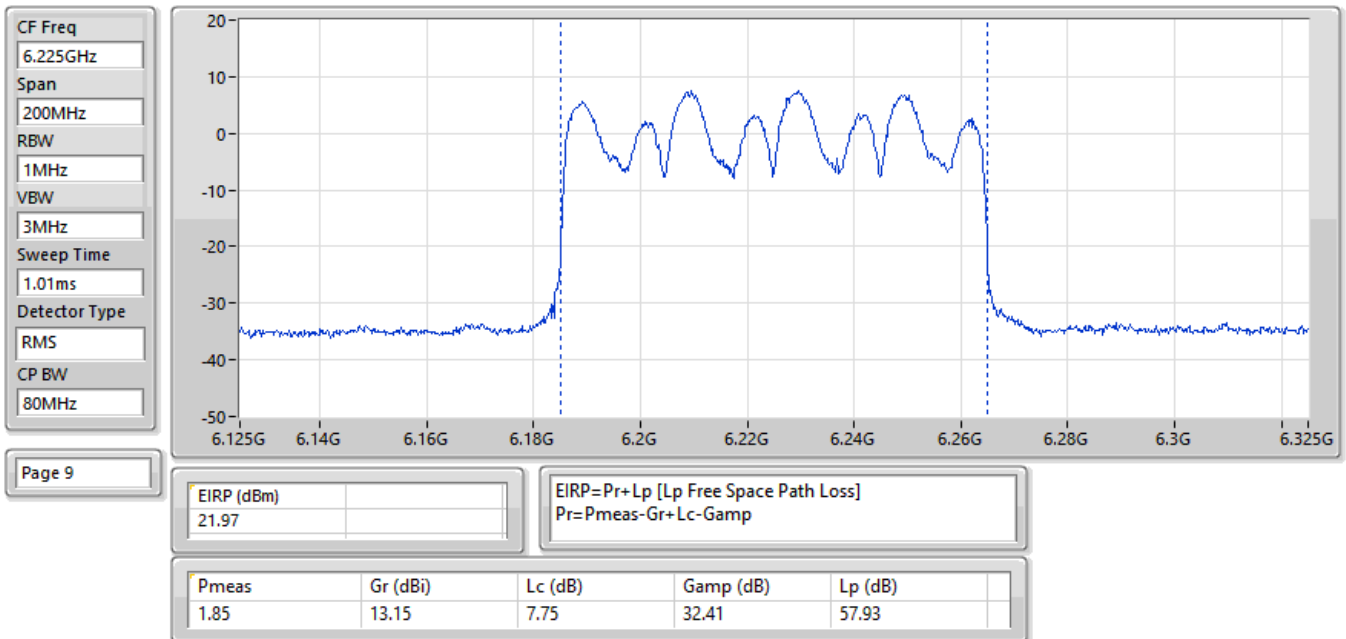
EIRP:Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6845MHz;TX



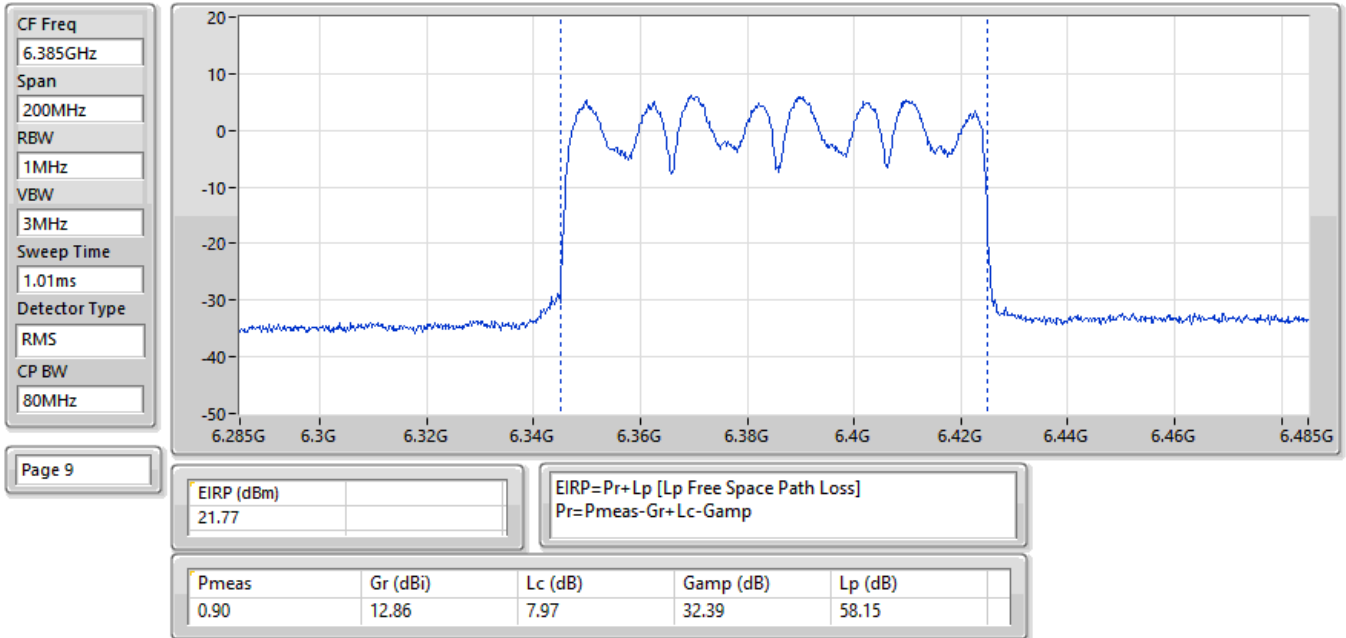
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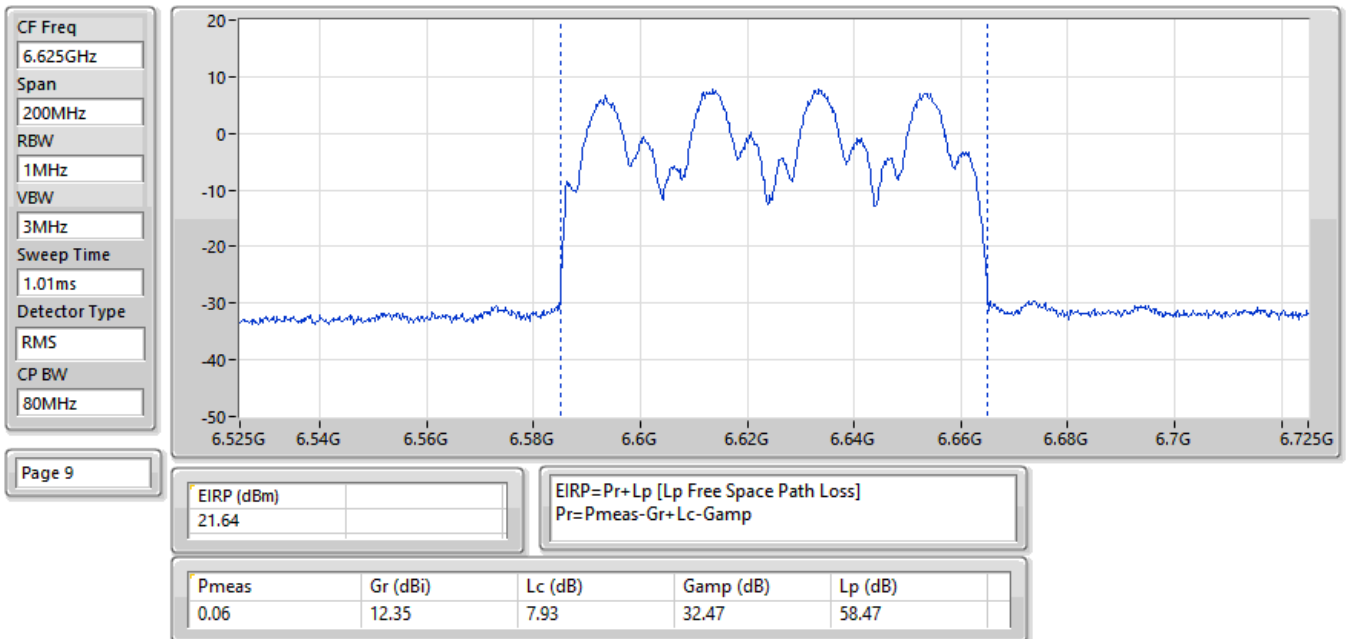
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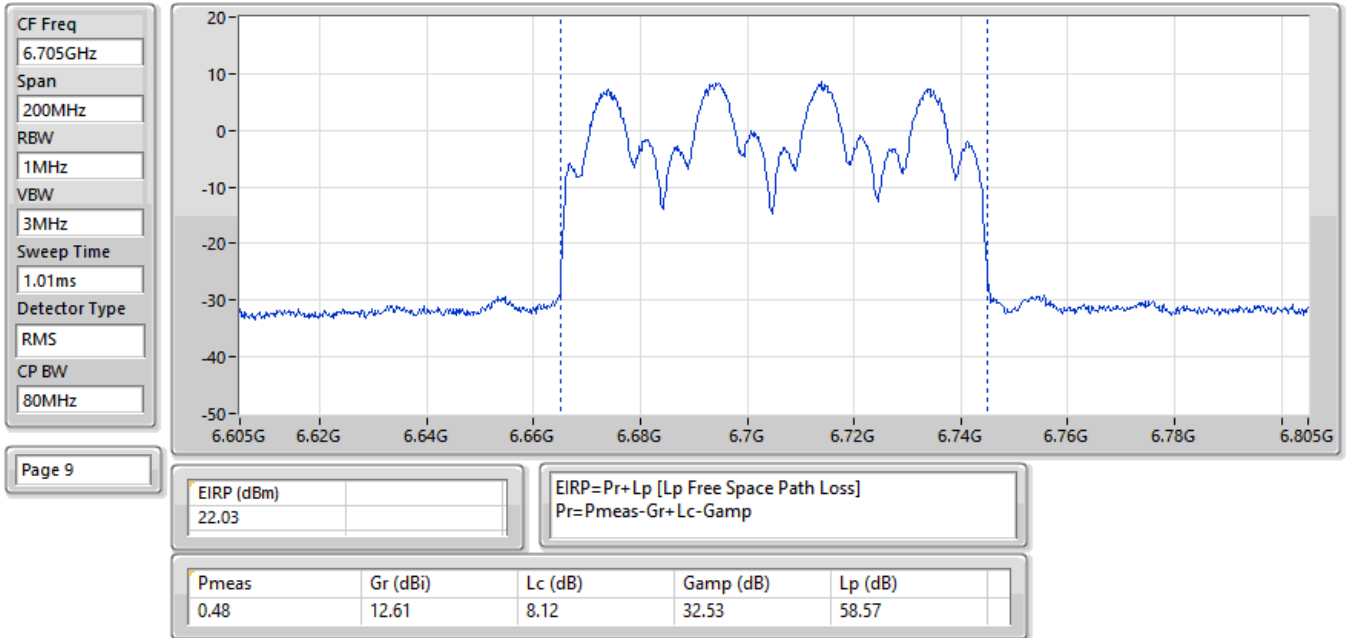
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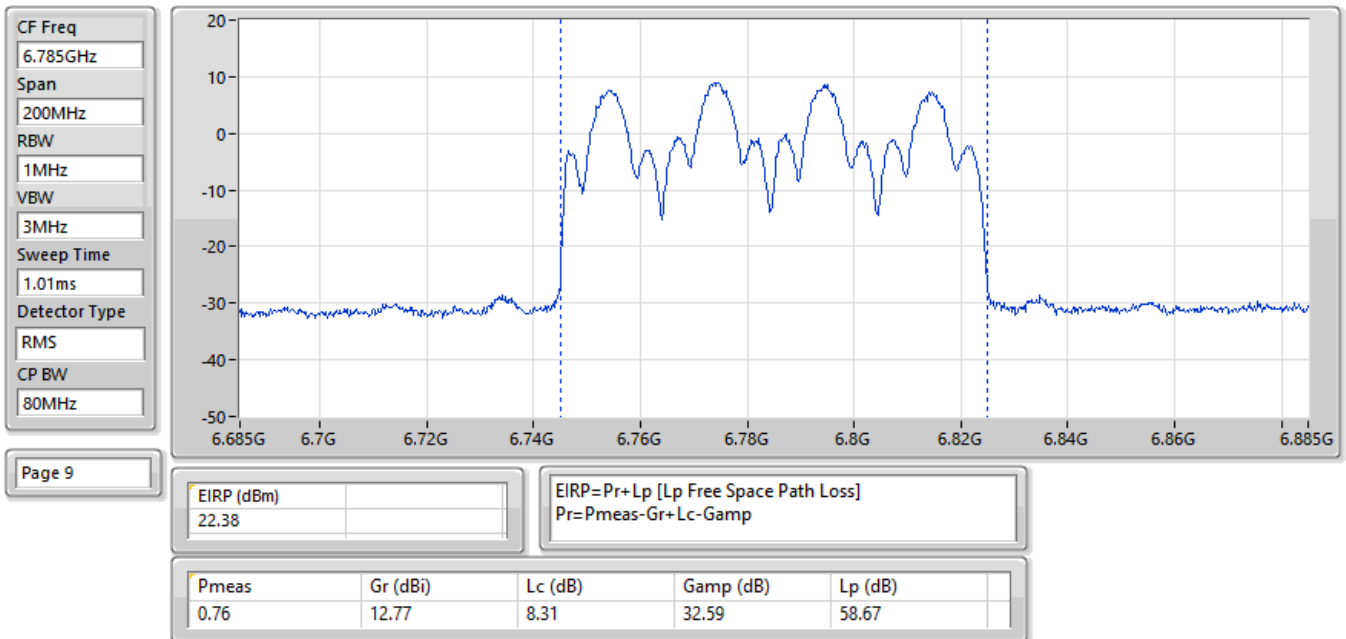
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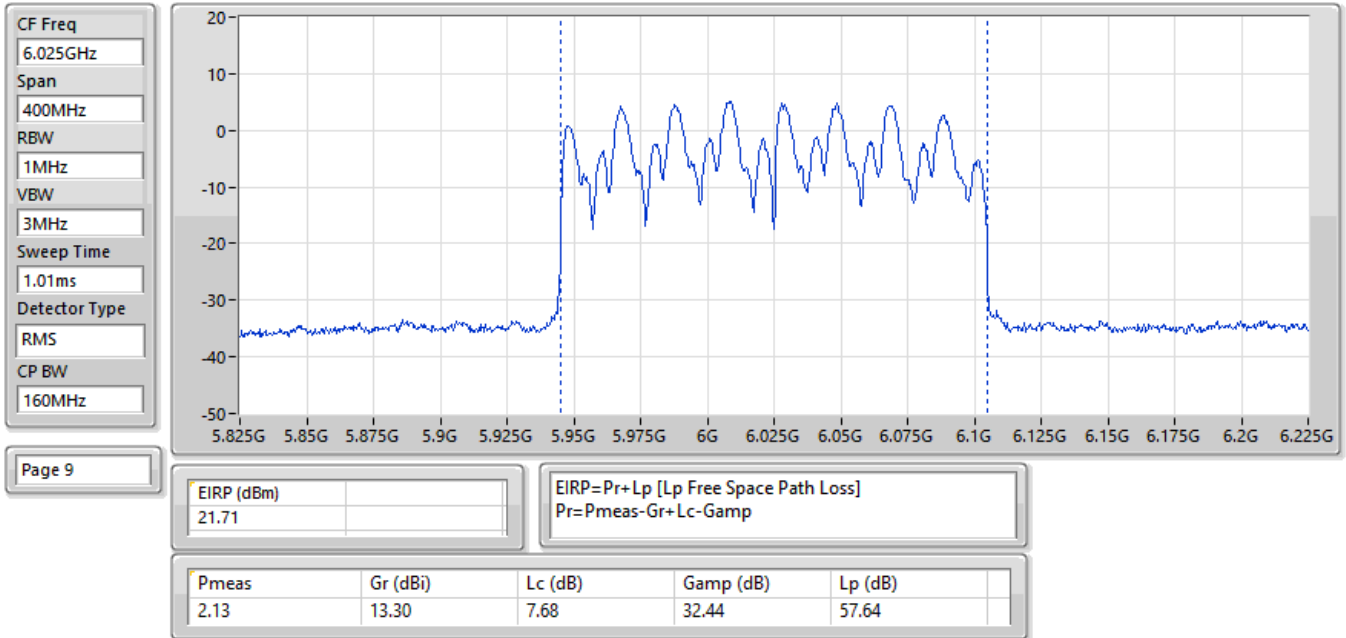
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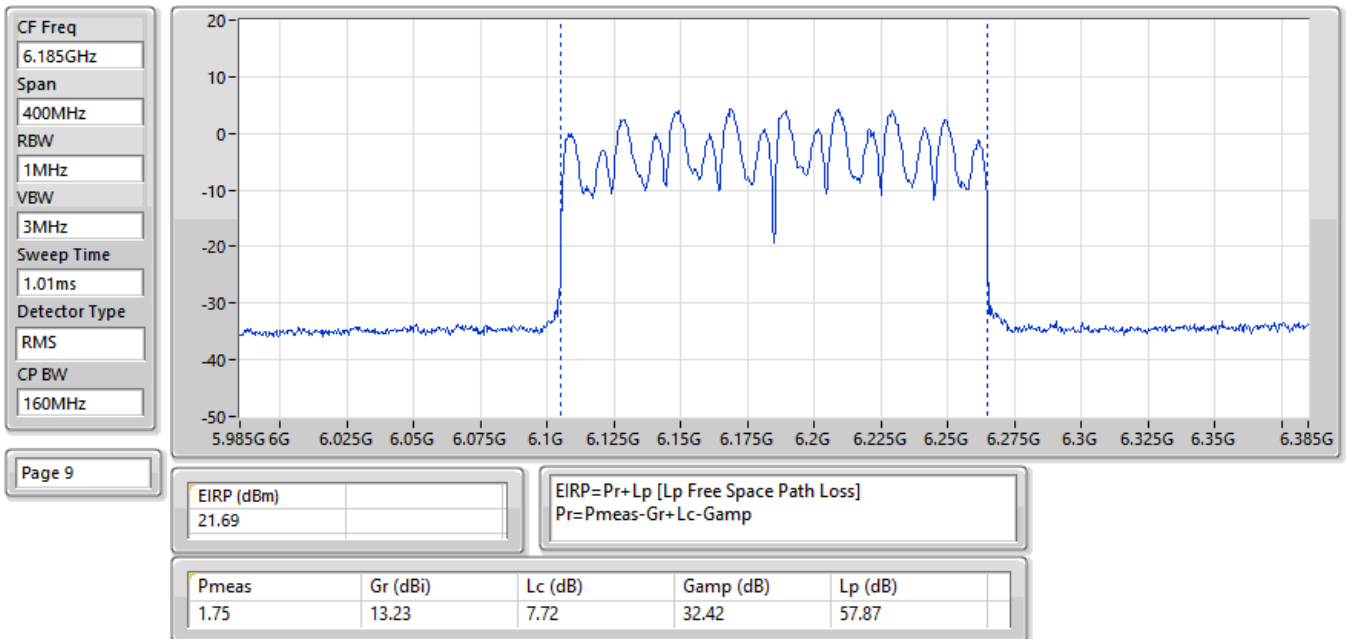
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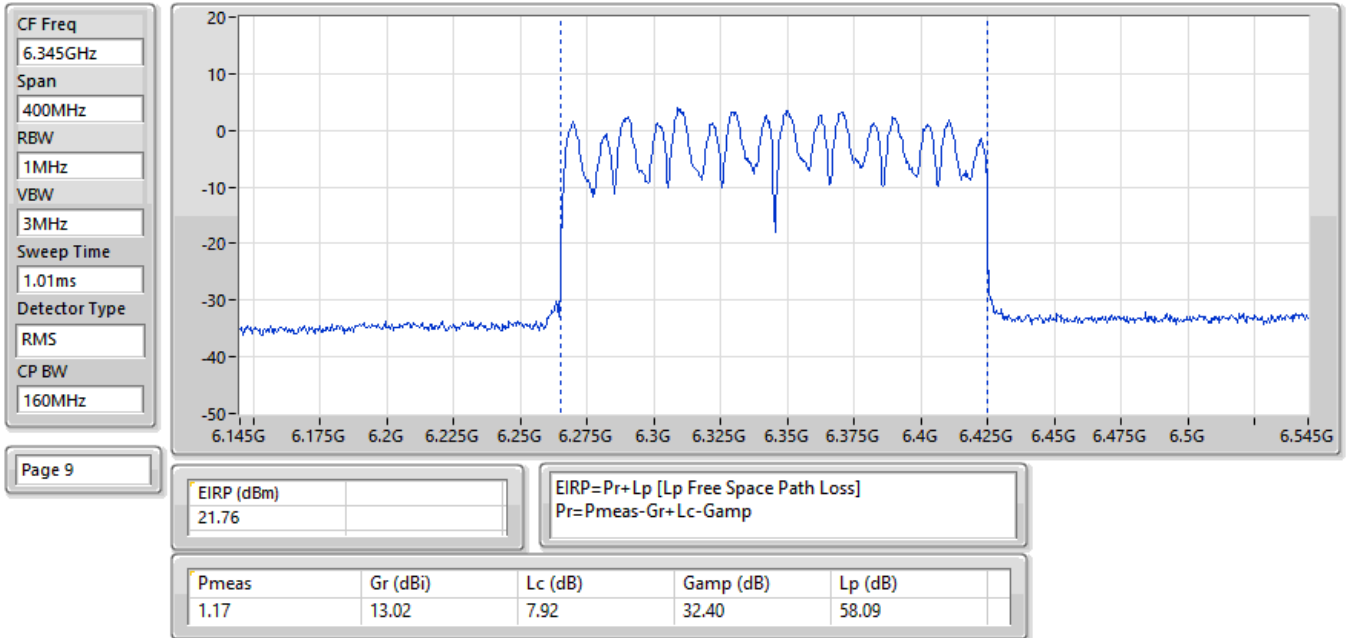
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



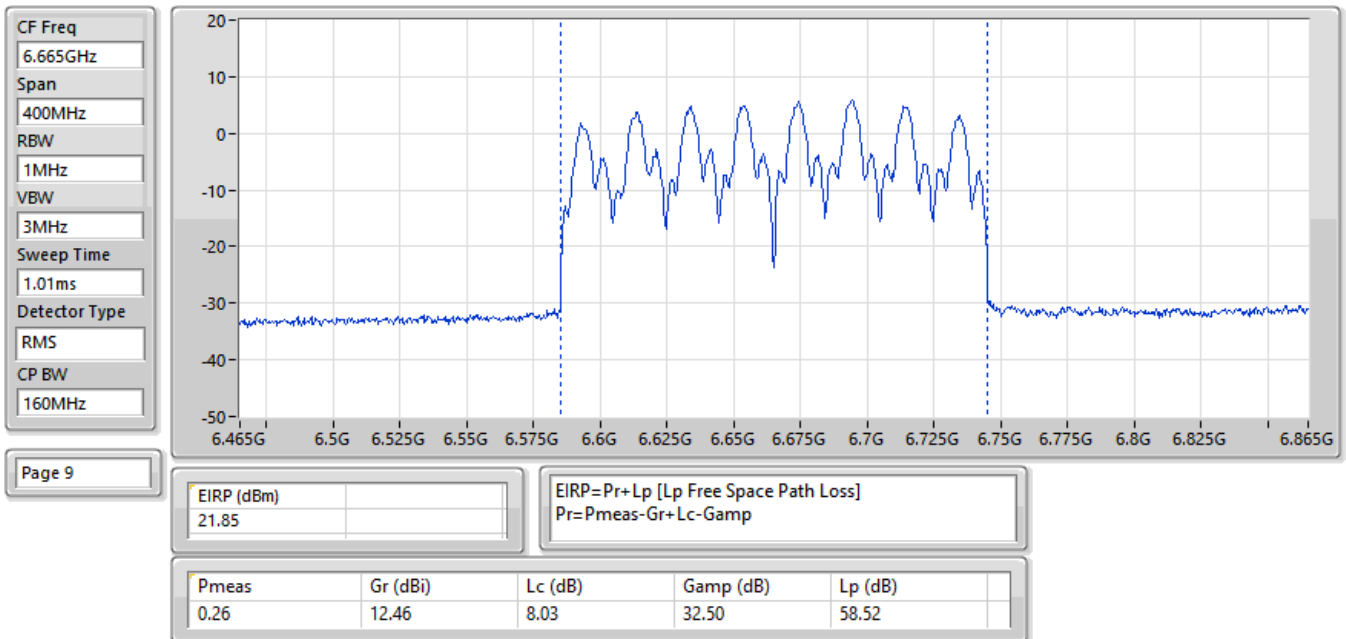
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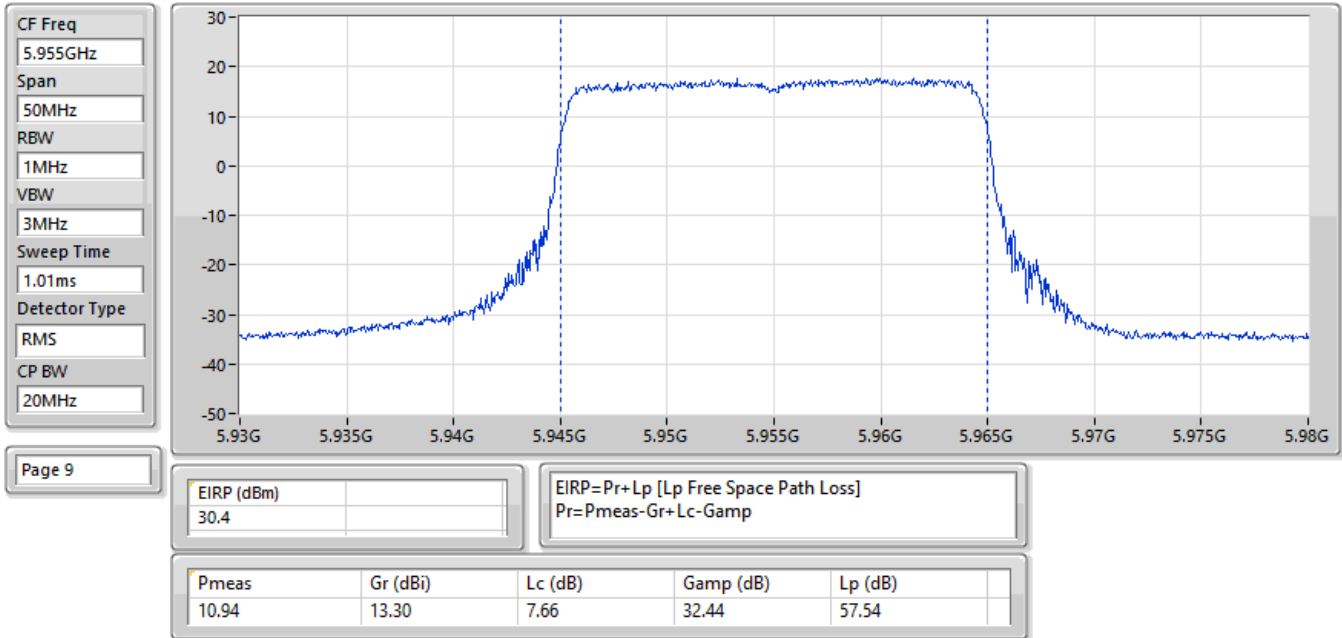
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX



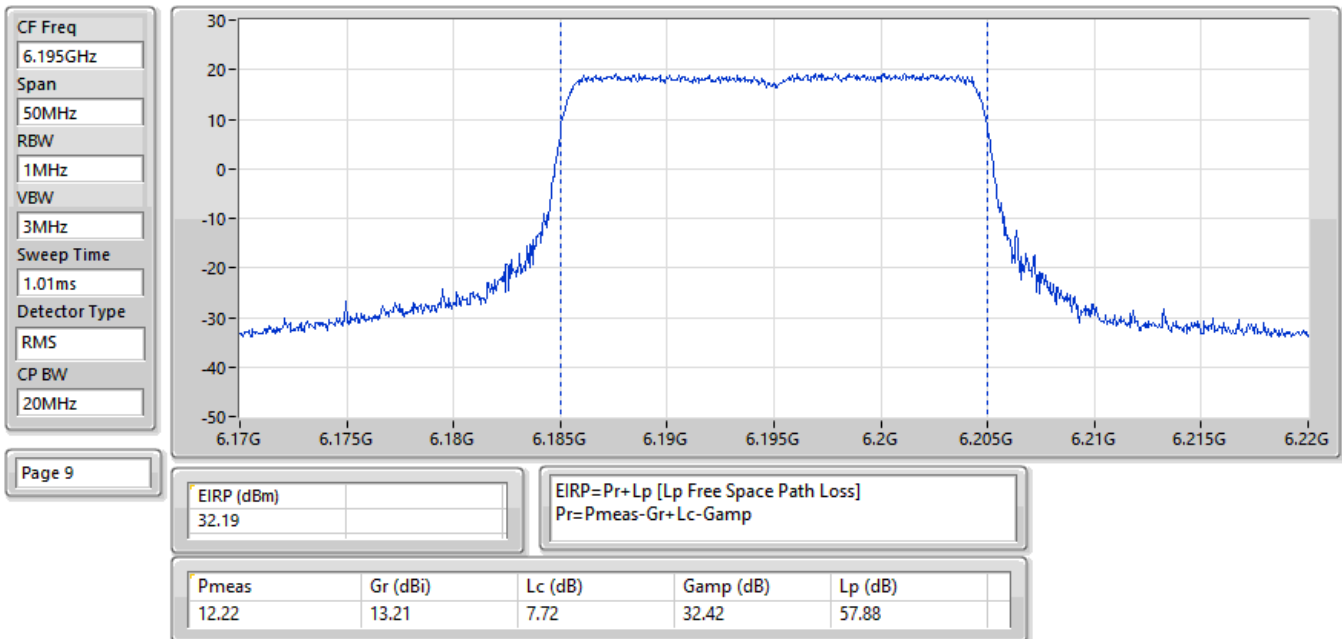
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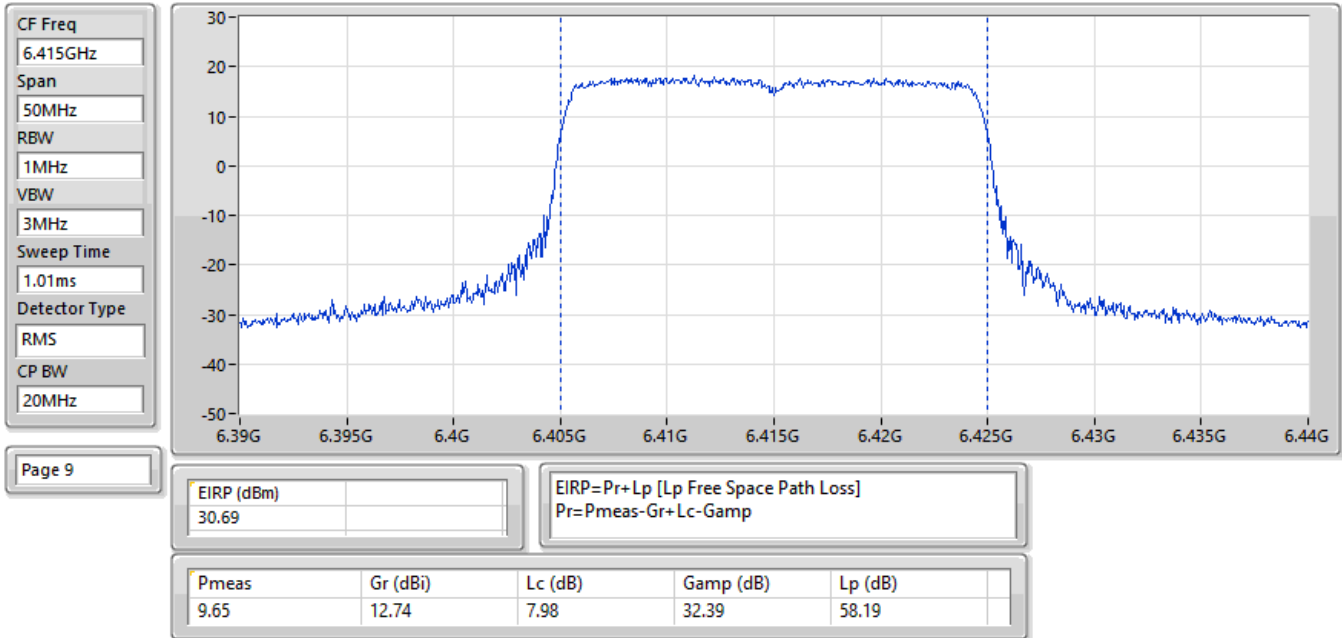
EIRP:Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:5955MHz;TX



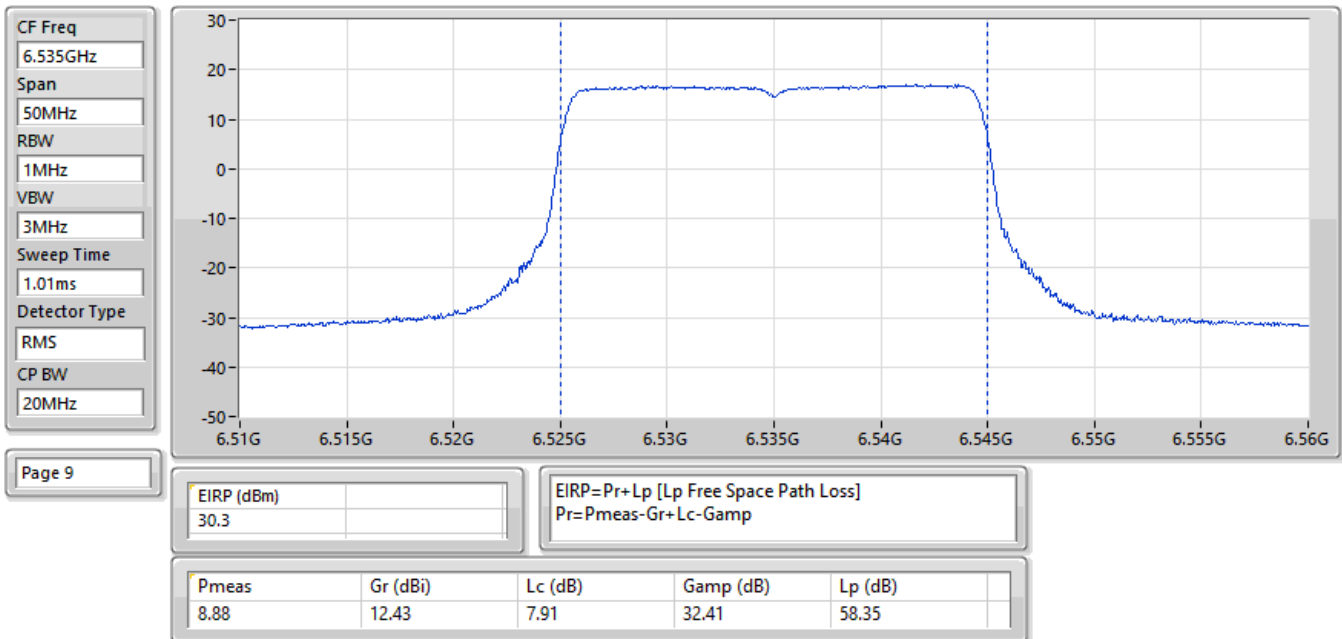
EIRP:Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6195MHz;TX



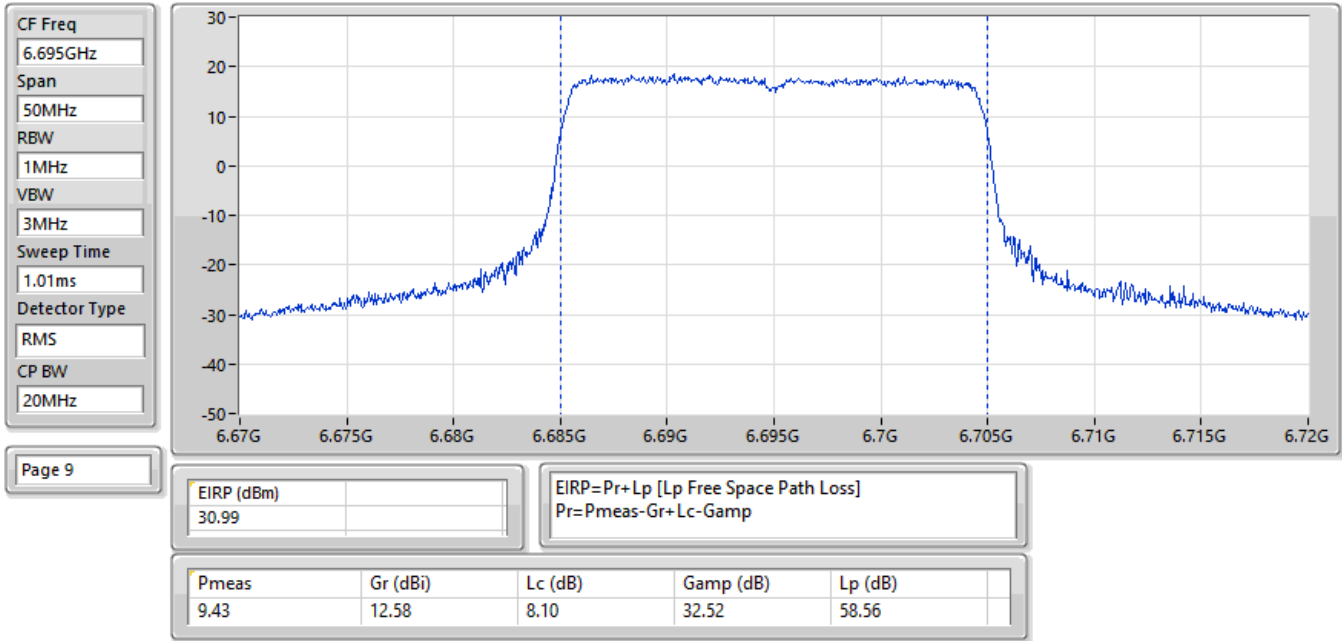
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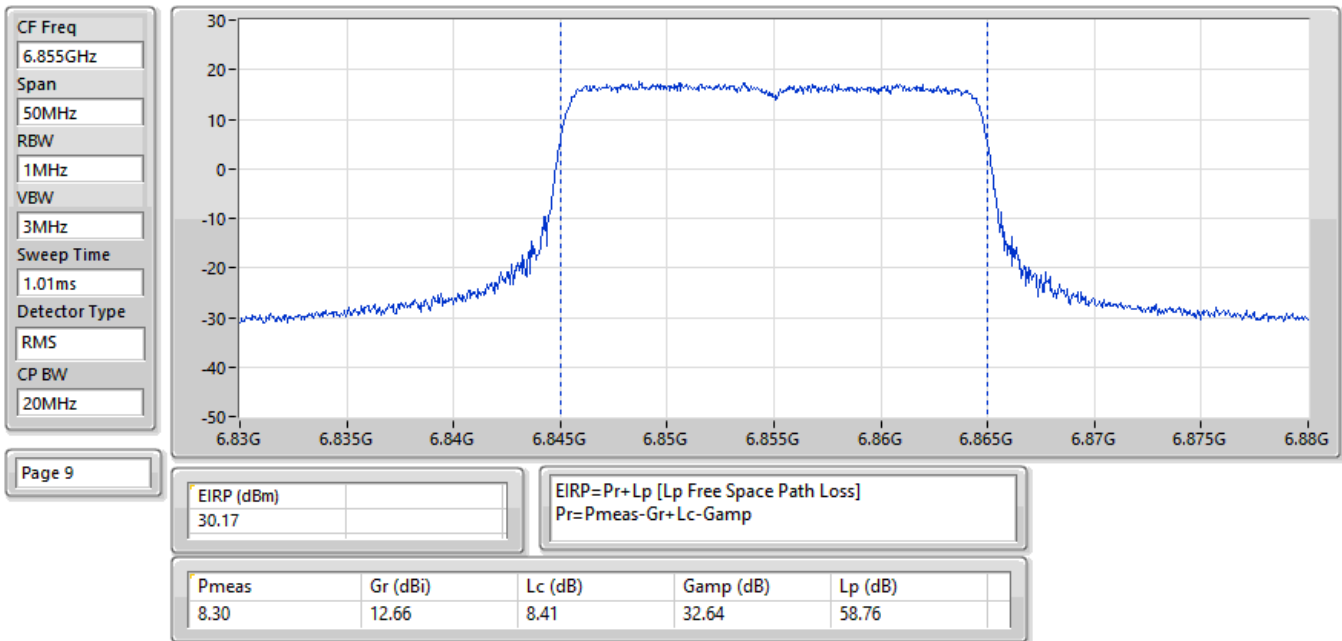
EIRP:Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6535MHz;TX



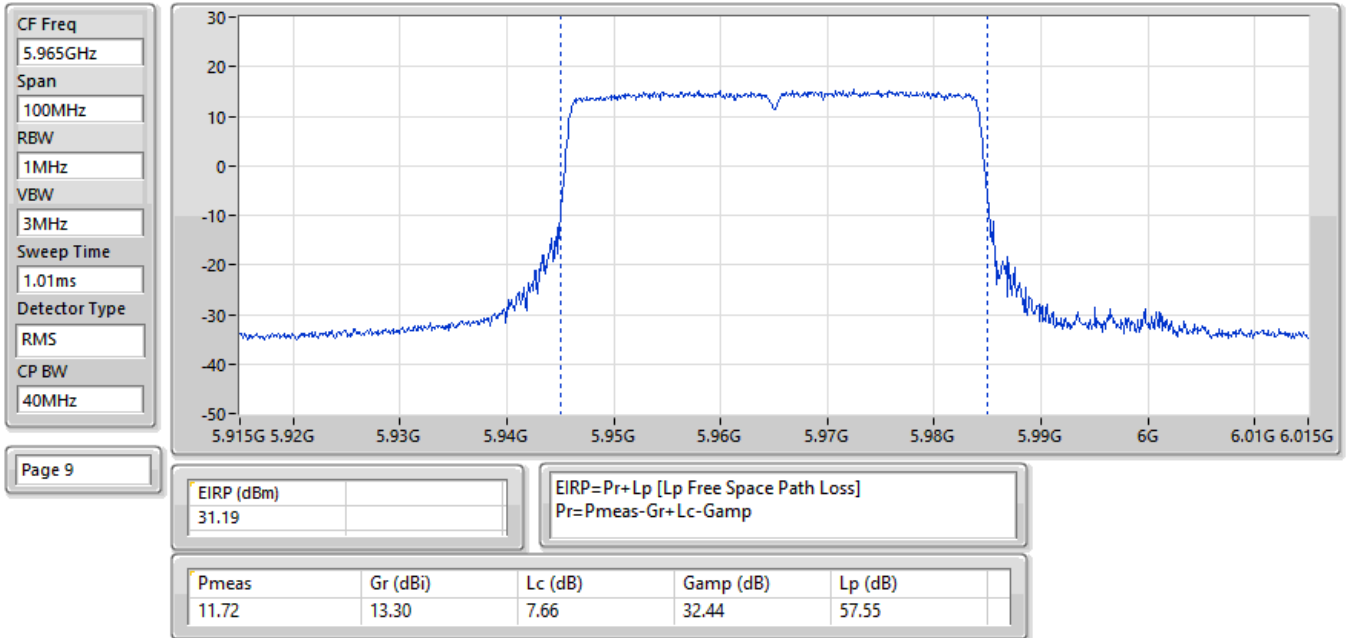
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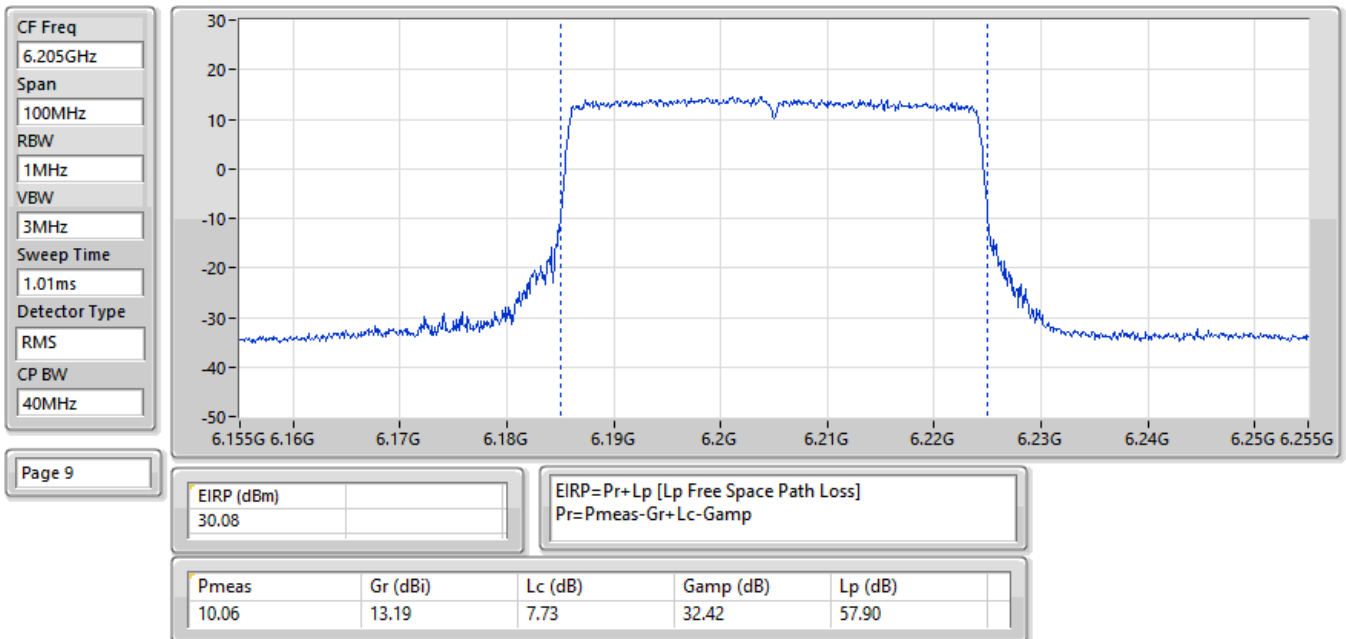
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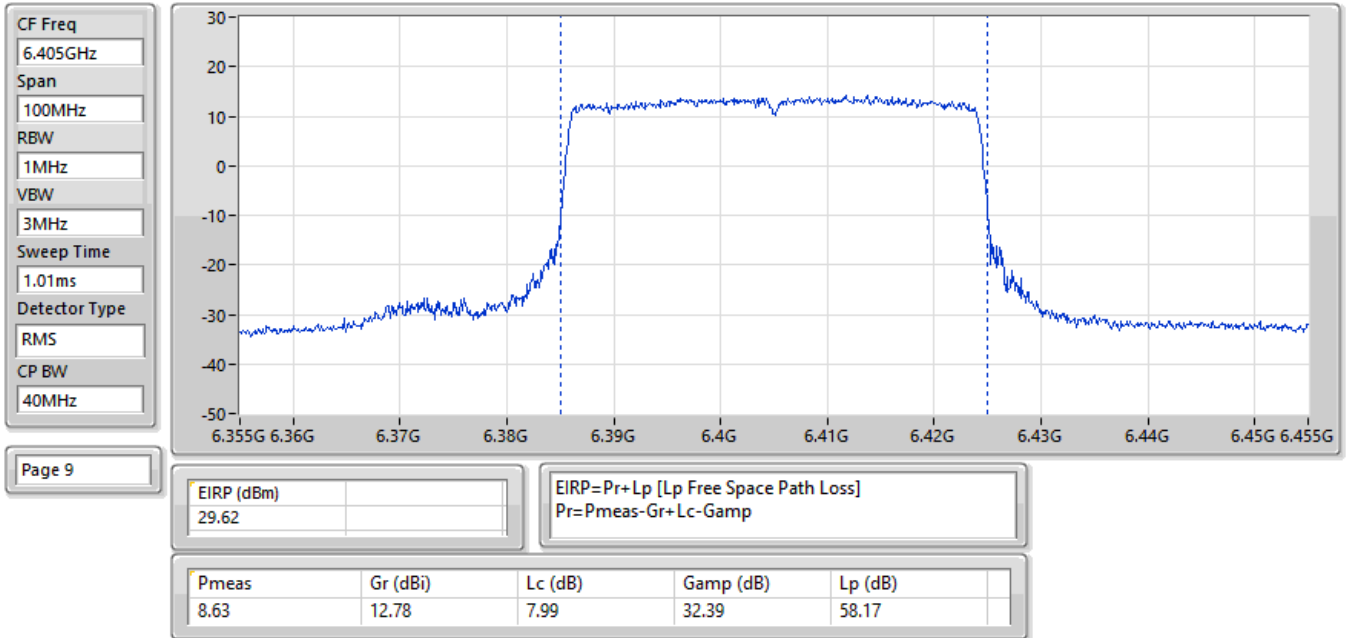
EIRP:Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M4);Nant:4;Ch:5965MHz;TX



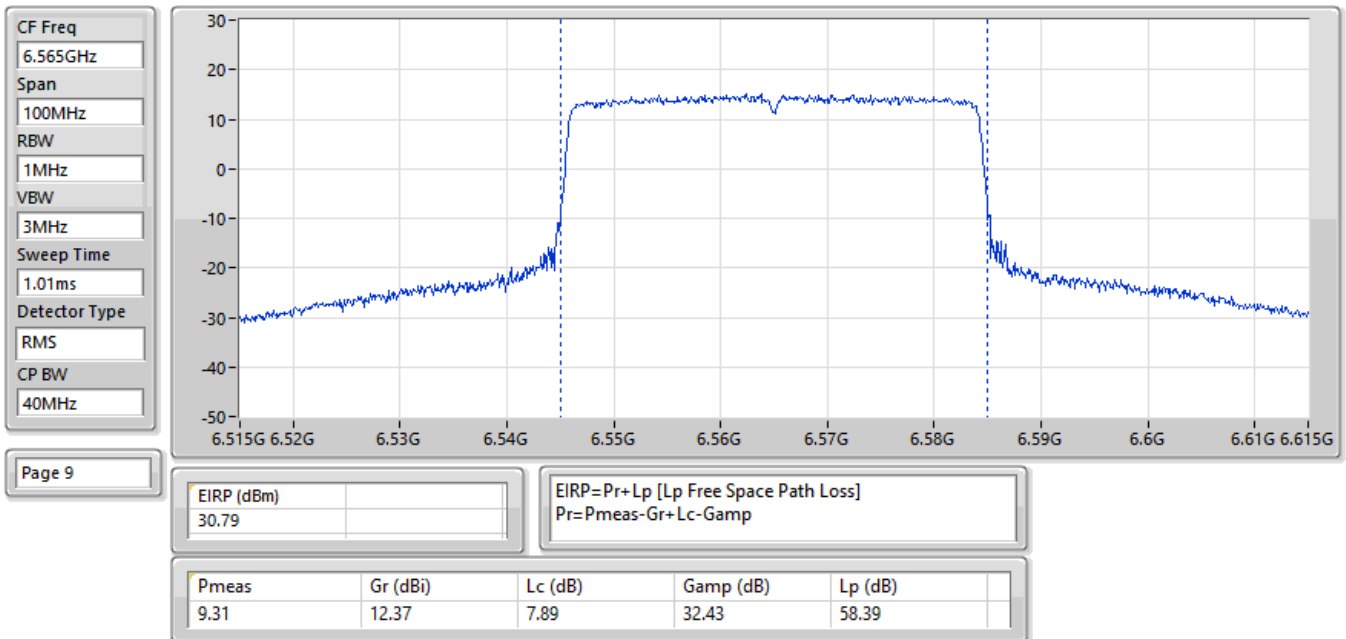
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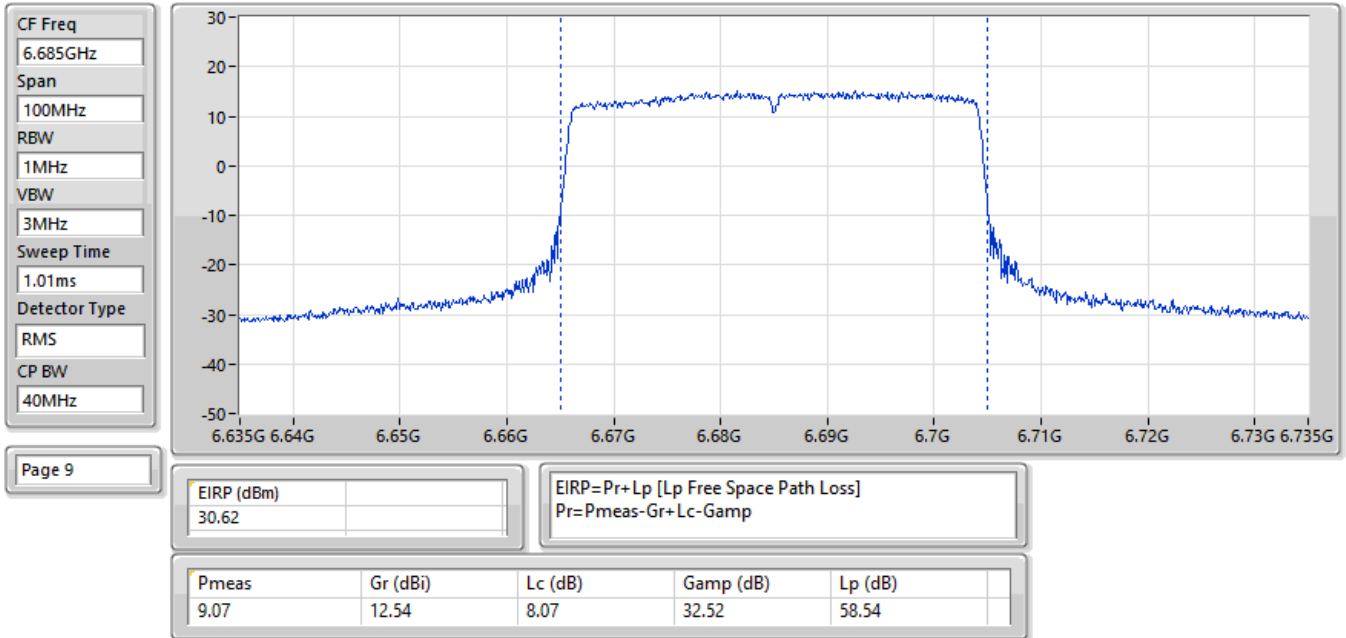
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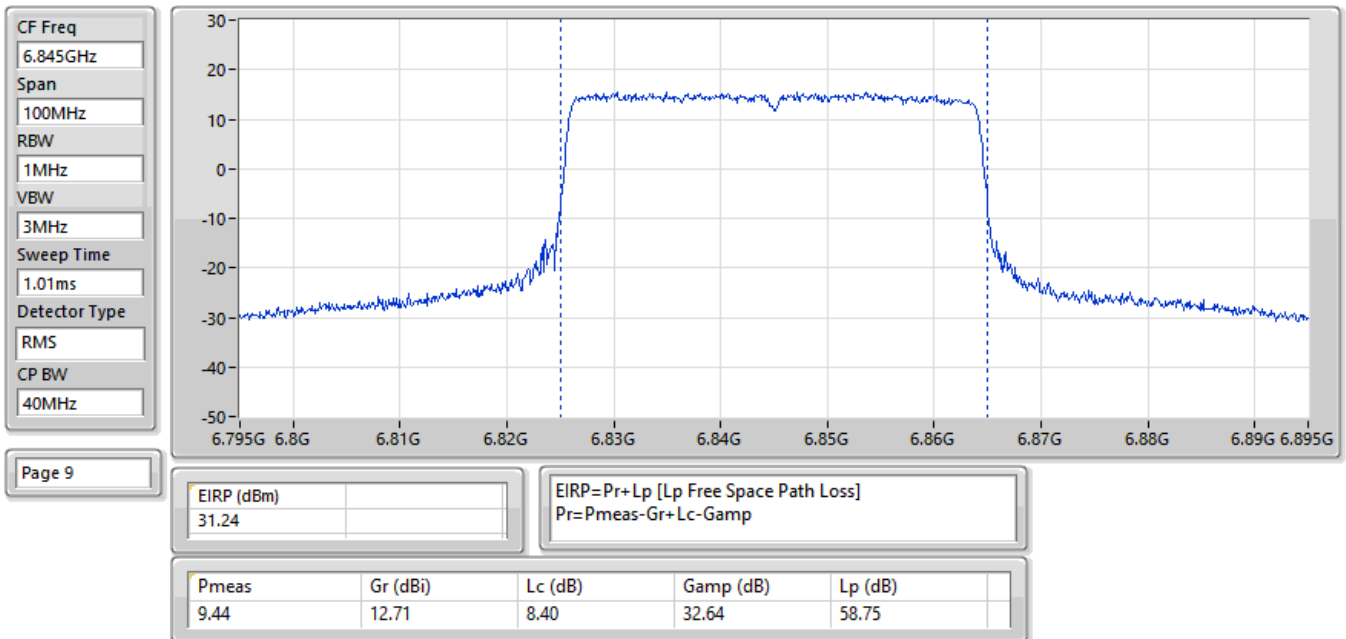
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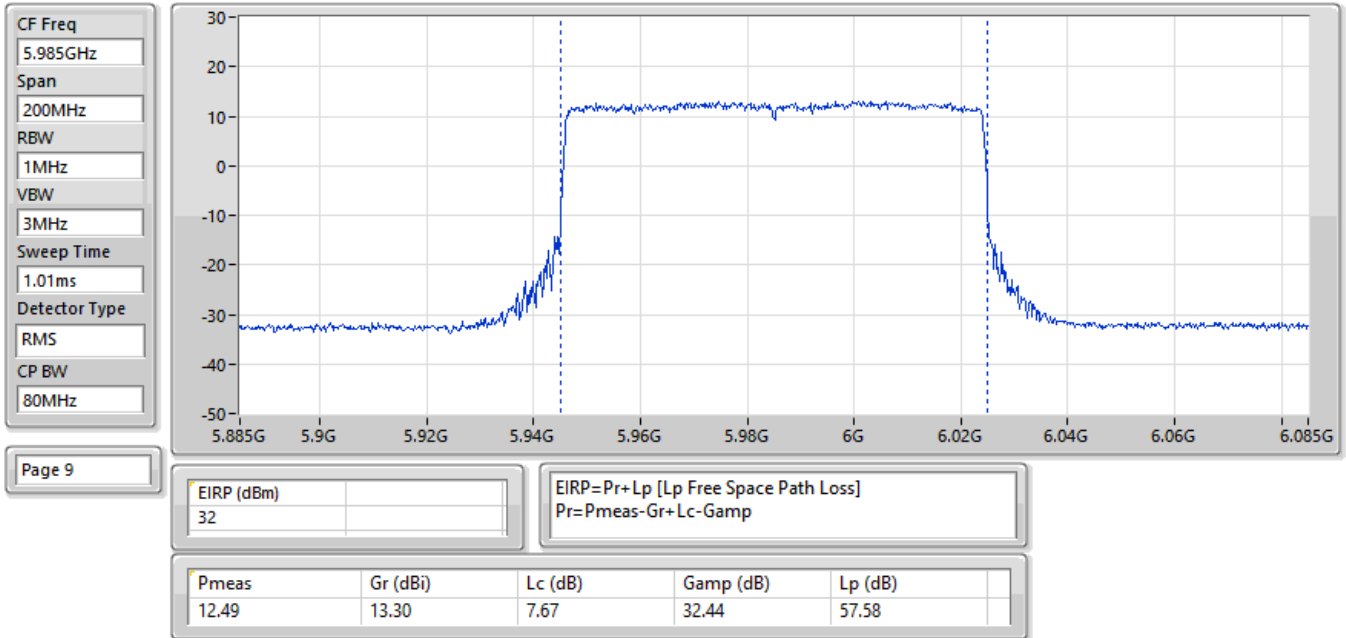
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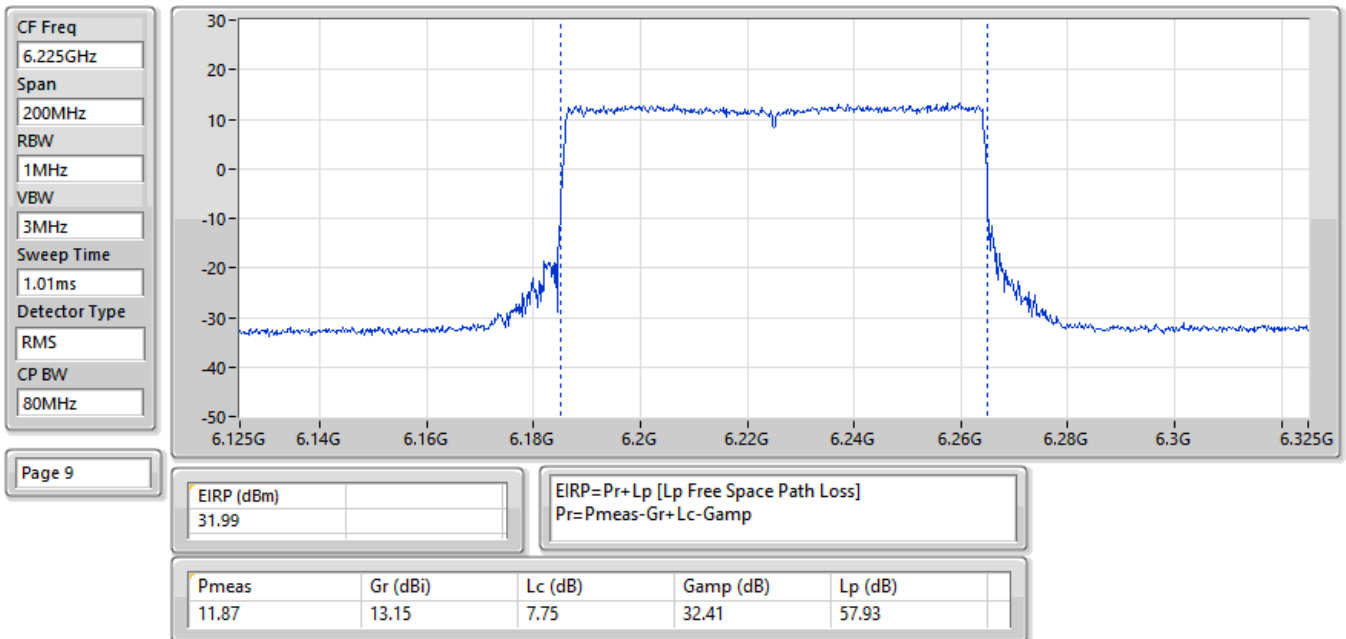
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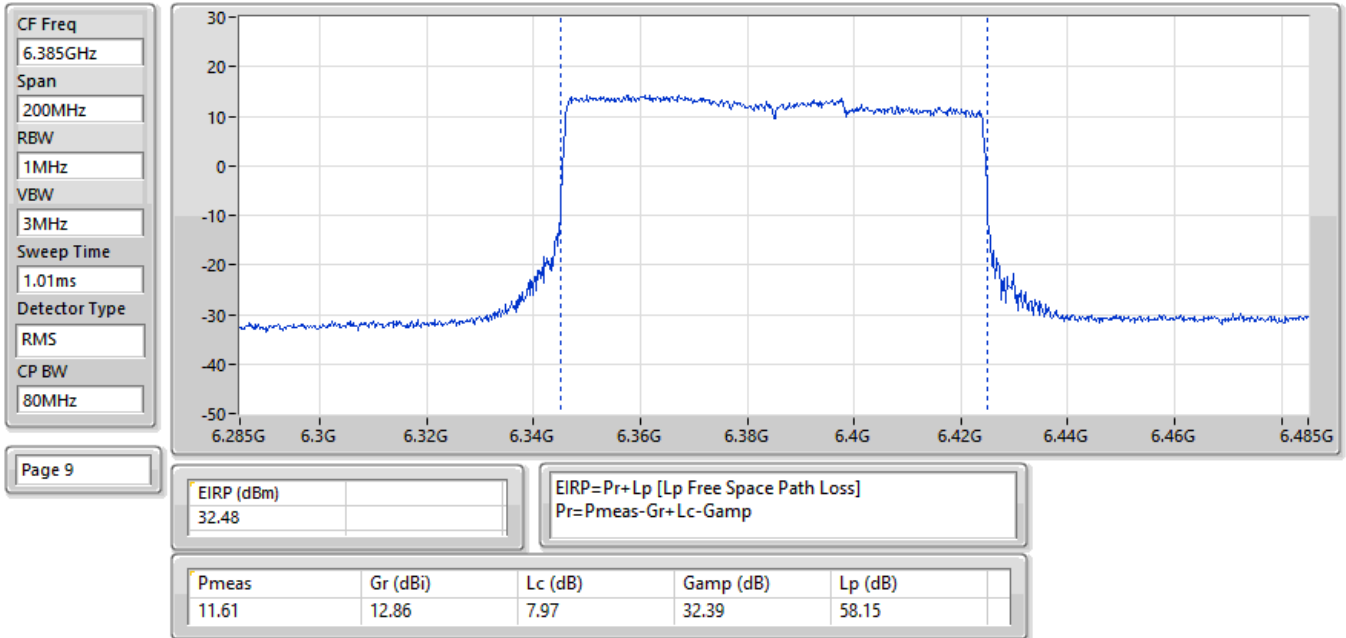
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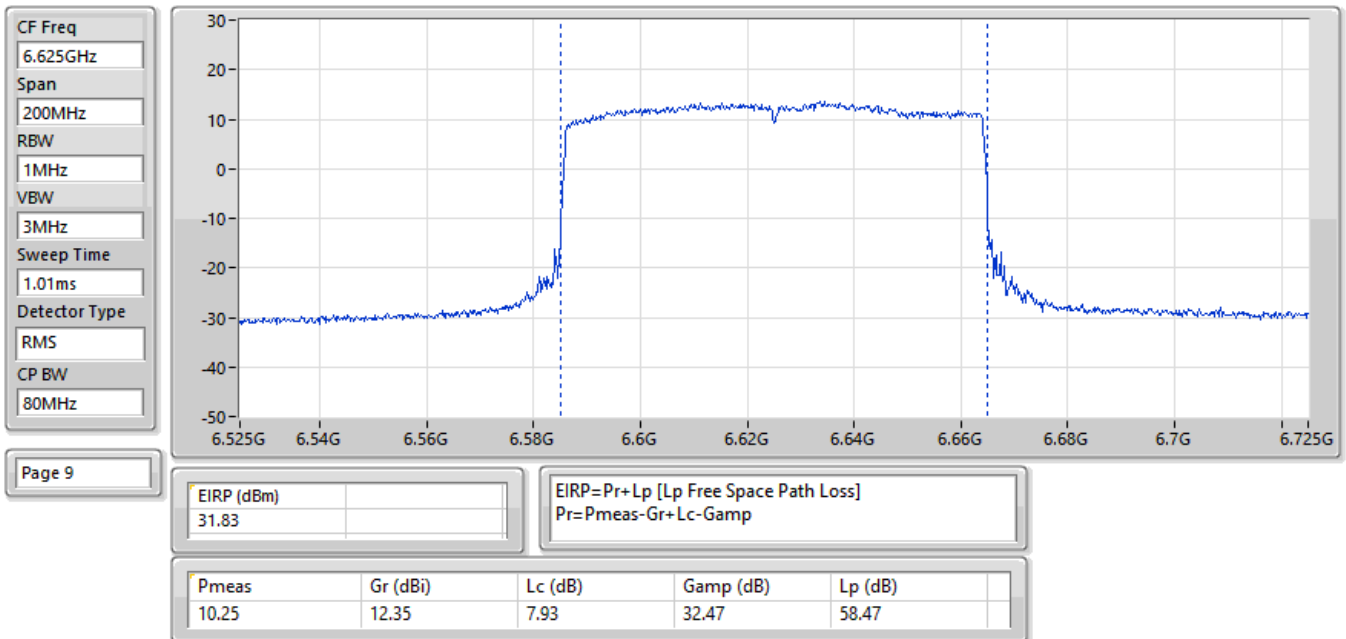
EIRP:Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6225MHz;TX



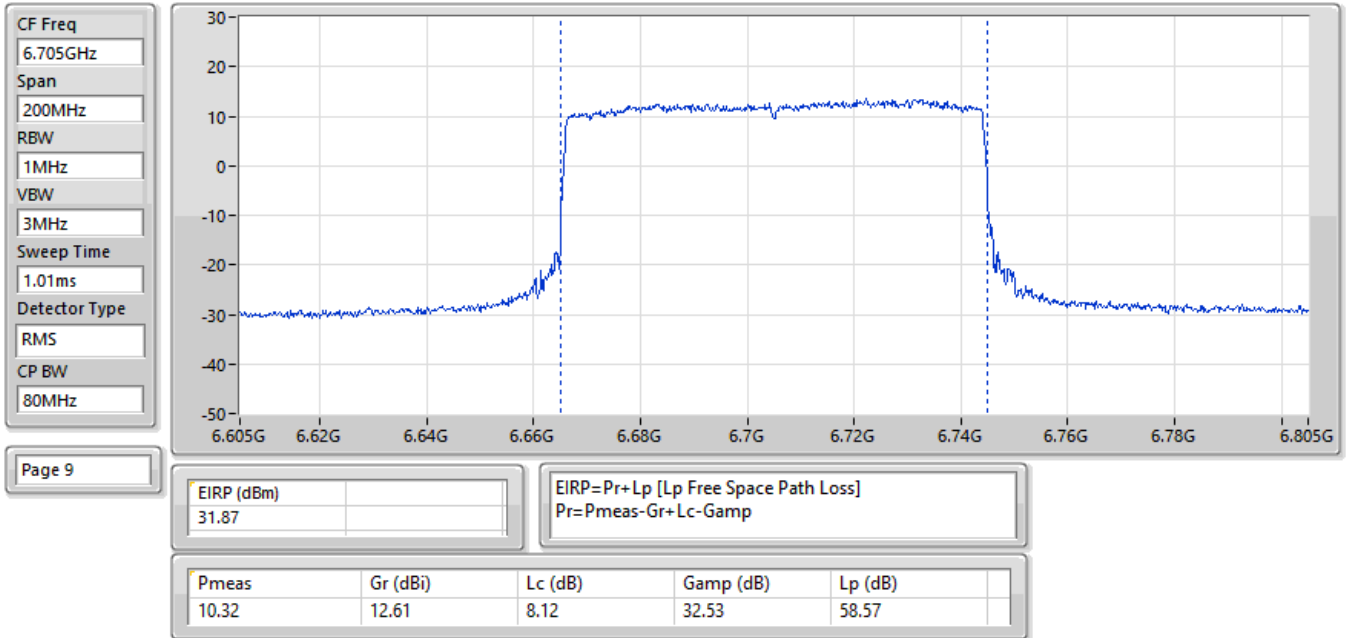
EIRP:Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6385MHz;TX



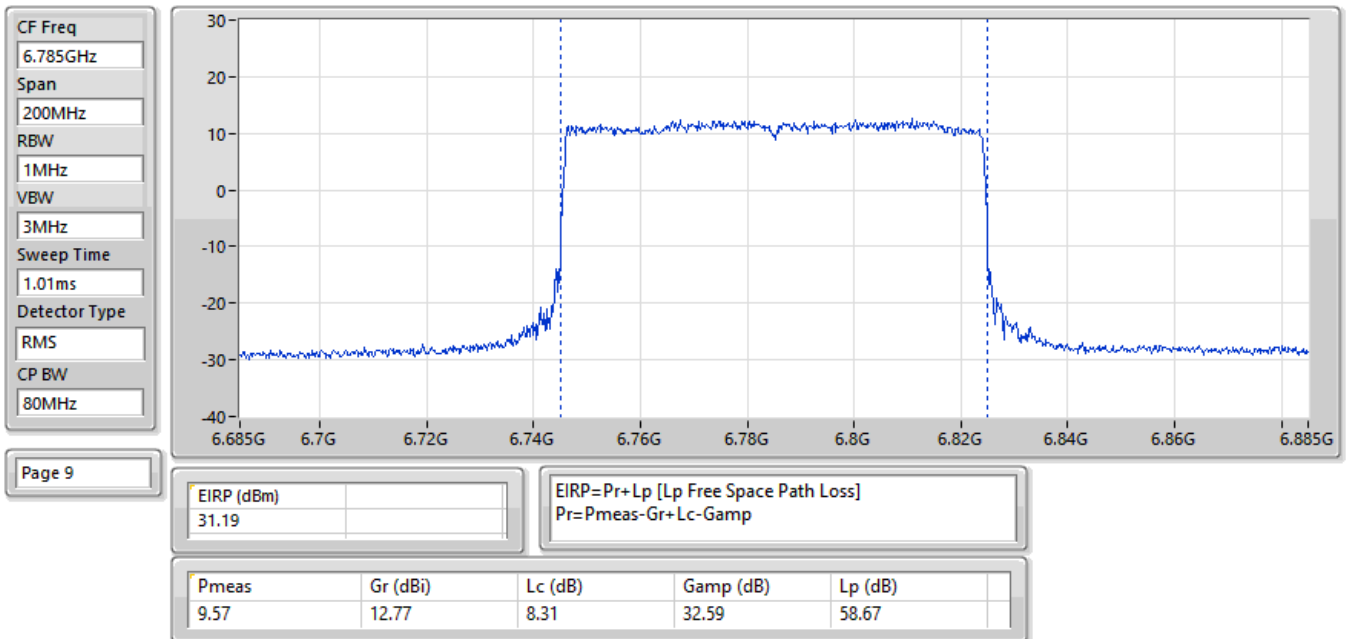
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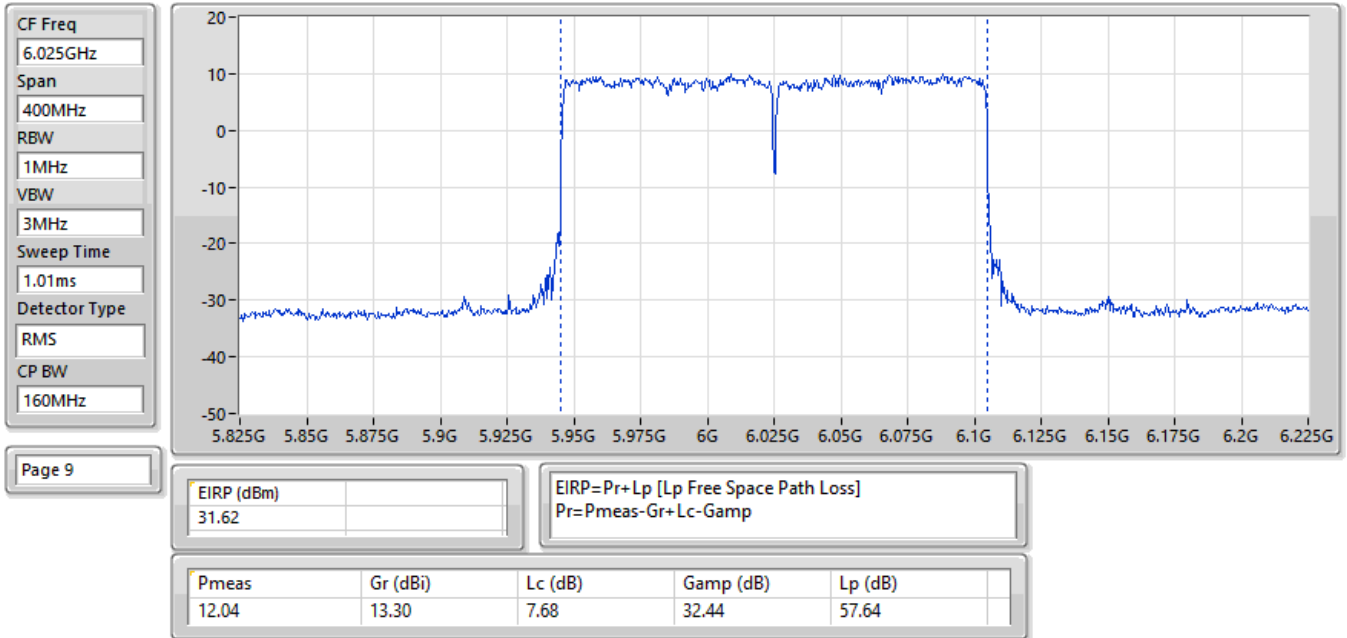
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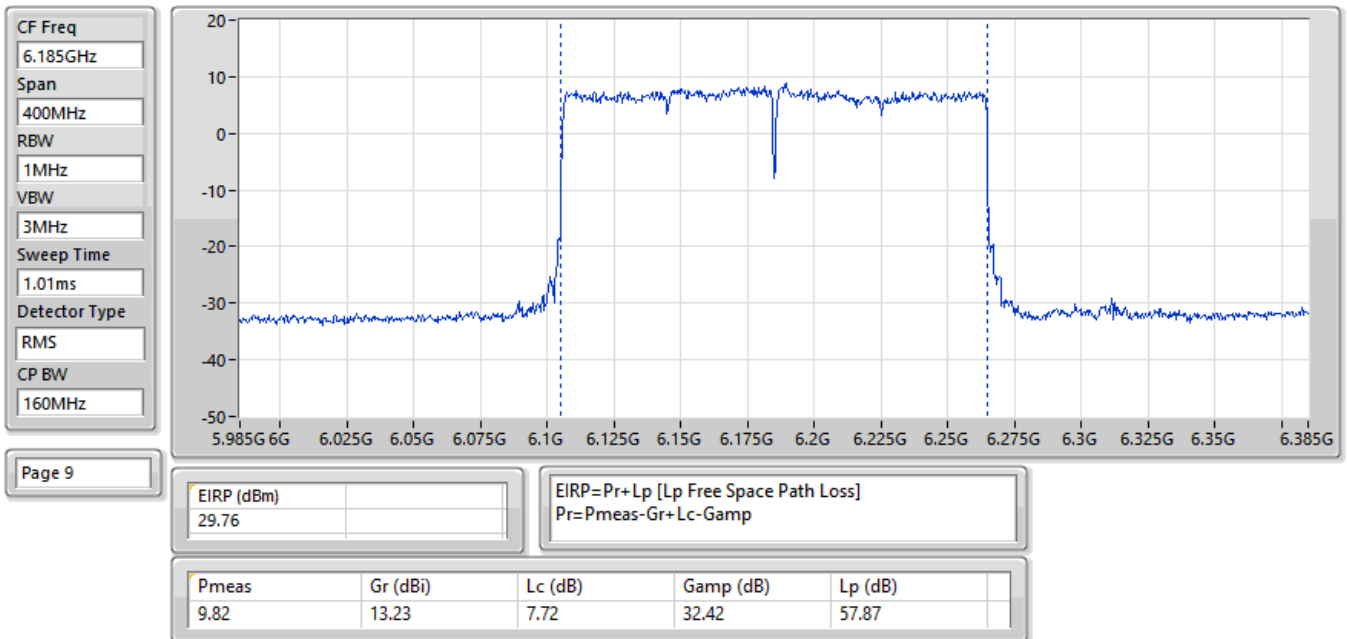
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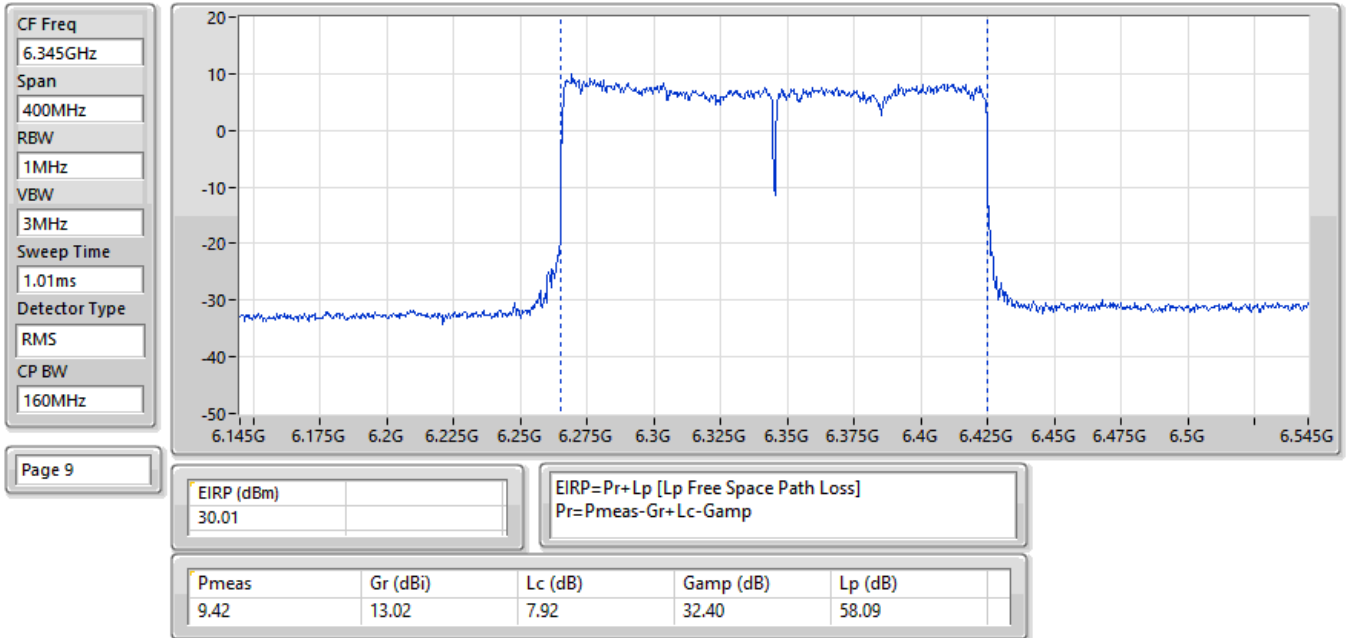
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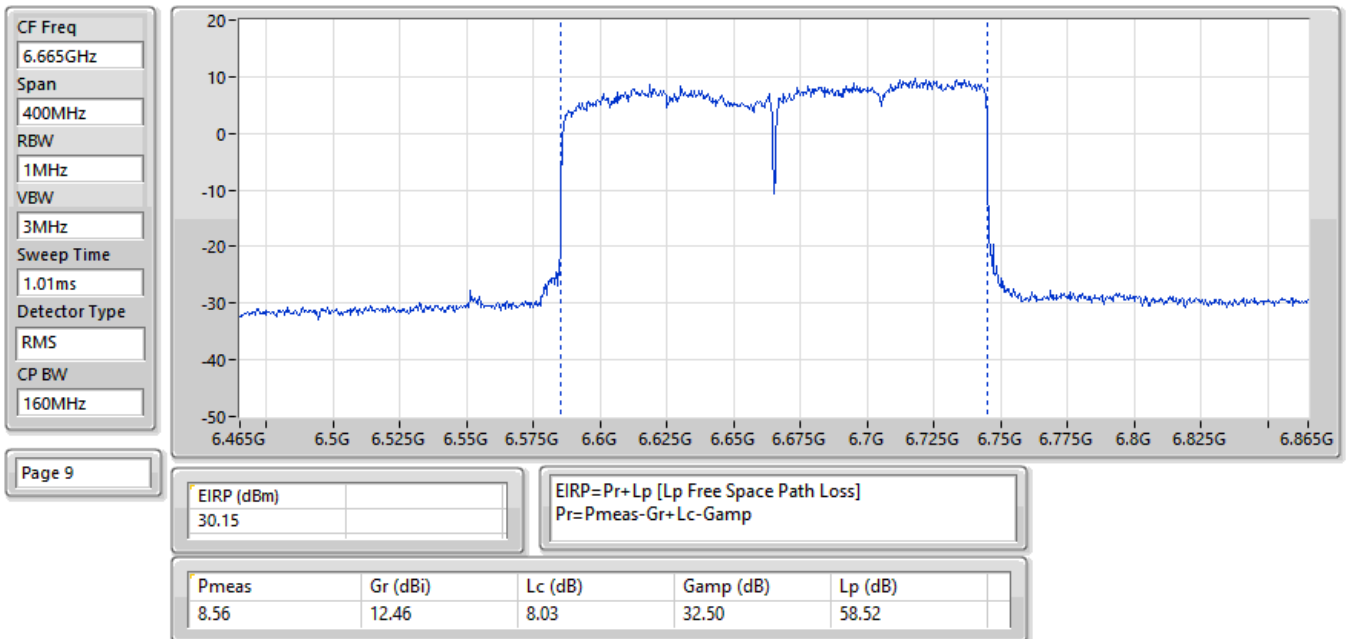
EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6185MHz;TX



EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6345MHz;TX



EIRP;Band:6.7G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6665MHz;TX



**Test Mode: Mode 2****Summary**

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	20.52	0.11272	20.89	0.122744
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	17.48	0.05598	20.86	0.121899
802.11ax HEW40_Nss1,(MCS0)_4TX	20.57	0.11402	20.94	0.124165
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	17.30	0.05370	20.68	0.11695
802.11ax HEW80_Nss1,(MCS0)_4TX	20.61	0.11508	20.98	0.125314
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	17.31	0.05383	20.69	0.11722
802.11ax HEW160_Nss1,(MCS0)_4TX	20.58	0.11429	20.95	0.124451
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	17.58	0.05728	20.96	0.124738
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_4TX	21.89	0.15453	20.85	0.121619
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	18.60	0.07244	20.57	0.114025
802.11ax HEW40_Nss1,(MCS0)_4TX	22.00	0.15849	20.96	0.124738
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	18.81	0.07603	20.78	0.119674
802.11ax HEW80_Nss1,(MCS0)_4TX	21.82	0.15205	20.78	0.119674
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	18.53	0.07129	20.5	0.112202
802.11ax HEW160_Nss1,(MCS0)_4TX	21.79	0.15101	20.75	0.11885
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	18.43	0.06966	20.4	0.109648



Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	0.37	14.80	14.19	13.87	14.92	20.49	20.86	21.00
6195MHz	Pass	0.37	14.11	14.48	14.49	14.59	20.44	20.81	21.00
6415MHz	Pass	0.37	14.49	14.39	14.33	14.76	20.52	20.89	21.00
6535MHz	Pass	-1.04	15.31	15.82	16.31	15.92	21.88	20.84	21.00
6695MHz	Pass	-1.04	16.22	15.39	15.71	16.11	21.89	20.85	21.00
6855MHz	Pass	-1.04	16.05	15.28	16.28	15.17	21.74	20.7	21.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	0.37	14.69	14.49	14.05	14.91	20.57	20.94	21.00
6205MHz	Pass	0.37	14.39	14.53	14.20	14.58	20.45	20.82	21.00
6405MHz	Pass	0.37	14.33	13.93	14.47	14.32	20.29	20.66	21.00
6565MHz	Pass	-1.04	15.44	15.70	15.83	15.95	21.75	20.71	21.00
6685MHz	Pass	-1.04	16.05	15.61	15.68	16.51	22.00	20.96	21.00
6845MHz	Pass	-1.04	16.11	15.57	16.41	15.62	21.96	20.92	21.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	0.37	14.25	14.06	13.61	14.56	20.15	20.52	21.00
6225MHz	Pass	0.37	14.48	14.76	14.39	14.72	20.61	20.98	21.00
6385MHz	Pass	0.37	14.55	13.92	13.87	14.48	20.24	20.61	21.00
6625MHz	Pass	-1.04	15.76	16.04	14.61	16.41	21.78	20.74	21.00
6705MHz	Pass	-1.04	16.28	15.54	14.93	16.30	21.82	20.78	21.00
6785MHz	Pass	-1.04	16.39	15.27	15.18	15.54	21.64	20.6	21.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	0.37	14.64	14.30	14.39	14.87	20.58	20.95	21.00
6185MHz	Pass	0.37	14.34	14.31	14.47	14.51	20.43	20.8	21.00
6345MHz	Pass	0.37	14.68	14.08	13.72	14.72	20.34	20.71	21.00
6665MHz	Pass	-1.04	16.07	15.77	14.76	16.32	21.79	20.75	21.00
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
5955MHz	Pass	3.38	11.94	11.02	11.05	11.75	17.48	20.86	21.00
6195MHz	Pass	3.38	11.67	11.27	11.36	10.88	17.32	20.7	21.00
6415MHz	Pass	3.38	12.03	10.83	11.53	11.30	17.46	20.84	21.00
6535MHz	Pass	1.97	13.07	11.82	12.60	12.58	18.56	20.53	21.00
6695MHz	Pass	1.97	13.34	12.00	12.82	12.02	18.60	20.57	21.00
6855MHz	Pass	1.97	13.55	12.04	12.42	12.00	18.57	20.54	21.00
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
5965MHz	Pass	3.38	11.08	10.76	10.33	11.15	16.86	20.24	21.00
6205MHz	Pass	3.38	11.59	10.68	11.22	10.34	17.00	20.38	21.00
6405MHz	Pass	3.38	11.54	10.46	11.47	11.56	17.30	20.68	21.00
6565MHz	Pass	1.97	12.43	13.43	12.84	12.32	18.80	20.77	21.00
6685MHz	Pass	1.97	13.37	11.96	12.45	12.46	18.61	20.58	21.00
6845MHz	Pass	1.97	13.19	13.19	12.47	12.23	18.81	20.78	21.00
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
5985MHz	Pass	3.38	11.10	11.03	10.52	11.22	17.00	20.38	21.00
6225MHz	Pass	3.38	11.03	10.95	10.96	9.95	16.77	20.15	21.00
6385MHz	Pass	3.38	12.24	10.85	10.81	11.08	17.31	20.69	21.00
6625MHz	Pass	1.97	13.18	12.70	12.04	12.01	18.53	20.5	21.00
6705MHz	Pass	1.97	13.01	12.21	12.08	12.40	18.46	20.43	21.00
6785MHz	Pass	1.97	13.12	12.05	11.93	11.87	18.29	20.26	21.00
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-	-	-	-	-	-	-	-
6025MHz	Pass	3.38	11.08	10.54	11.46	10.75	16.99	20.37	21.00
6185MHz	Pass	3.38	11.47	11.30	12.13	11.30	17.58	20.96	21.00
6345MHz	Pass	3.38	11.45	11.06	11.00	10.94	17.14	20.52	21.00
6665MHz	Pass	1.97	13.03	12.45	11.77	12.29	18.43	20.4	21.00

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



Test Mode: Mode 1

Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.58
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	11.56
802.11ax HEW40_Nss1,(MCS0)_4TX	14.06
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	9.51
802.11ax HEW80_Nss1,(MCS0)_4TX	9.97
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	4.00
802.11ax HEW160_Nss1,(MCS0)_4TX	7.08
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	1.73
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	14.64
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	10.02
802.11ax HEW40_Nss1,(MCS0)_4TX	11.86
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	7.13
802.11ax HEW80_Nss1,(MCS0)_4TX	8.85
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	3.20
802.11ax HEW160_Nss1,(MCS0)_4TX	5.82
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	1.24

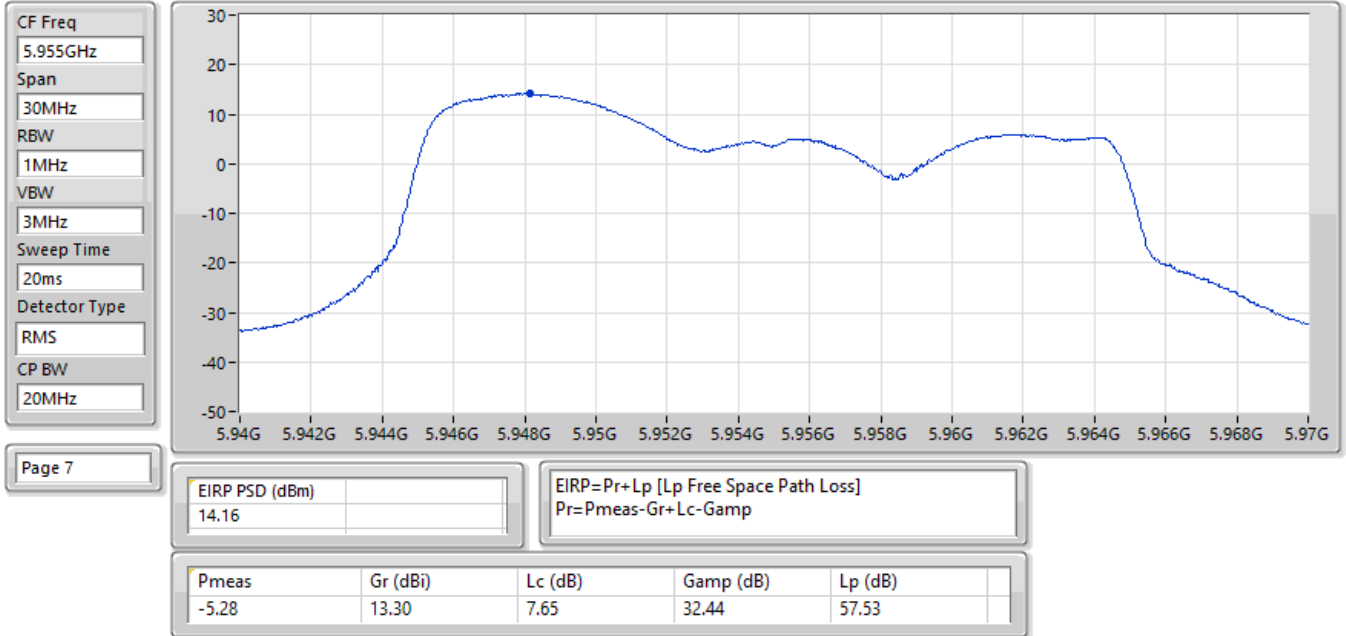
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

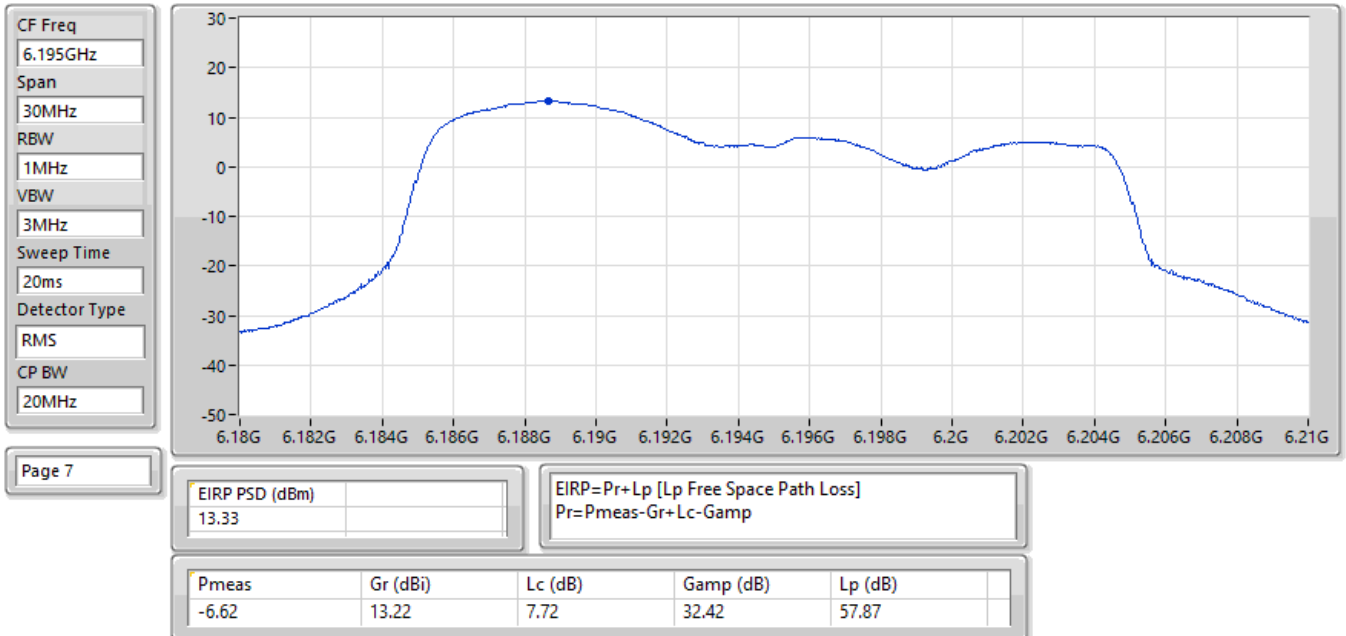
Mode	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5955MHz	14.16	23.00
6195MHz	13.33	23.00
6415MHz	14.58	23.00
6535MHz	13.15	23.00
6695MHz	13.73	23.00
6855MHz	14.64	23.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5965MHz	13.57	23.00
6205MHz	13.51	23.00
6405MHz	14.06	23.00
6565MHz	11.84	23.00
6685MHz	11.86	23.00
6845MHz	11.69	23.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5985MHz	9.95	23.00
6225MHz	9.27	23.00
6385MHz	9.97	23.00
6625MHz	8.25	23.00
6705MHz	8.61	23.00
6785MHz	8.85	23.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-
6025MHz	7.08	23.00
6185MHz	6.45	23.00
6345MHz	6.97	23.00
6665MHz	5.82	23.00
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-
5955MHz	9.99	23.00
6195MHz	8.73	23.00
6415MHz	11.56	23.00
6535MHz	9.61	23.00
6695MHz	10.02	23.00
6855MHz	9.28	23.00
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-
5965MHz	7.74	23.00
6205MHz	6.93	23.00
6405MHz	9.51	23.00
6565MHz	6.36	23.00
6685MHz	7.13	23.00
6845MHz	7.11	23.00
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-
5985MHz	3.48	23.00
6225MHz	3.23	23.00
6385MHz	4.00	23.00
6625MHz	2.04	23.00
6705MHz	2.67	23.00
6785MHz	3.20	23.00
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-
6025MHz	0.64	23.00
6185MHz	1.73	23.00
6345MHz	0.00	23.00
6665MHz	1.24	23.00

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;
Inf = There's no restriction for the limit.

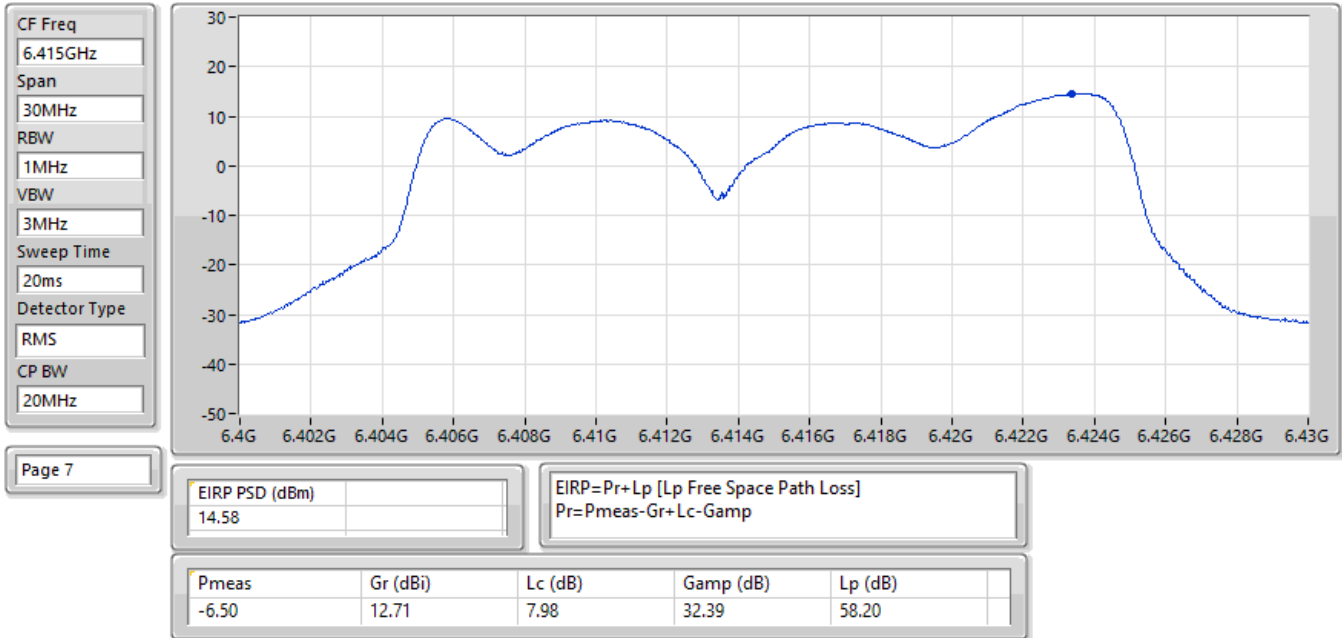
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



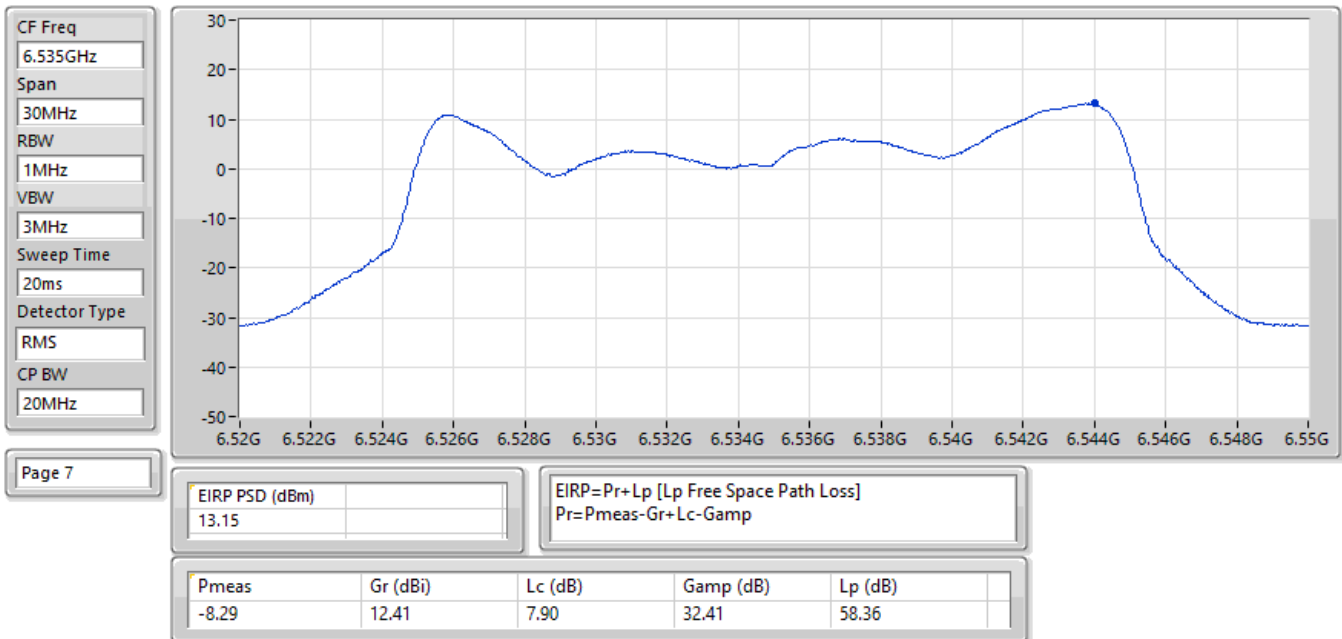
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



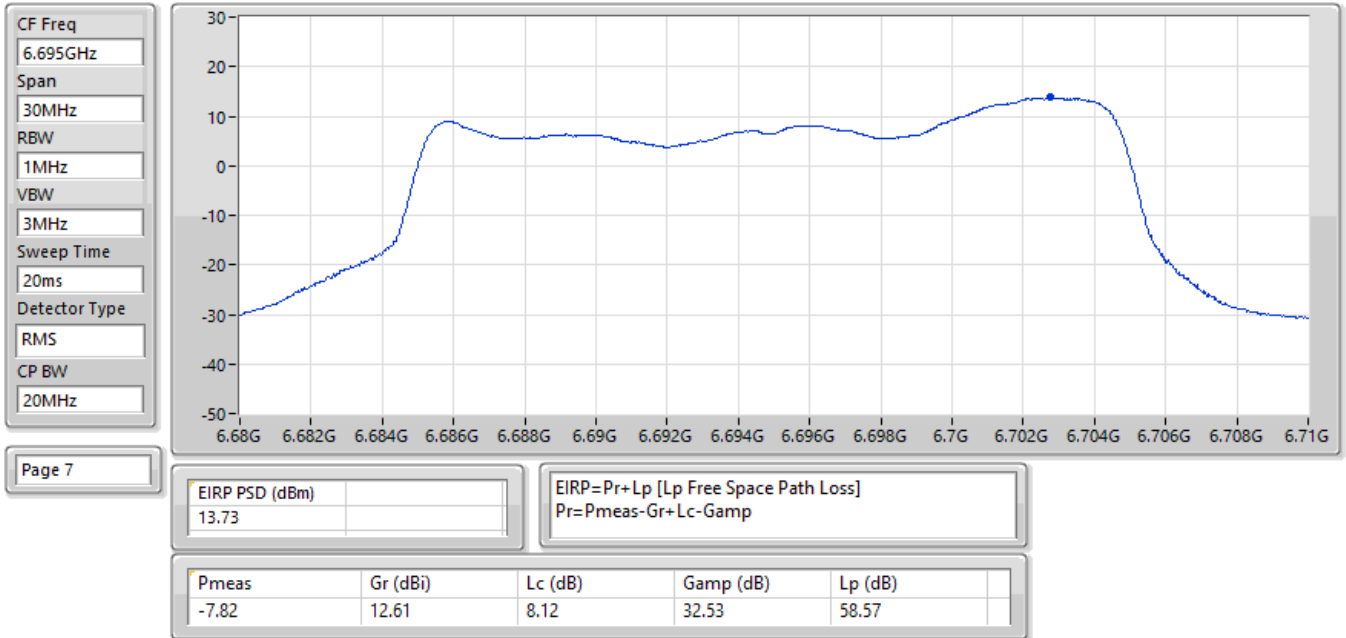
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX



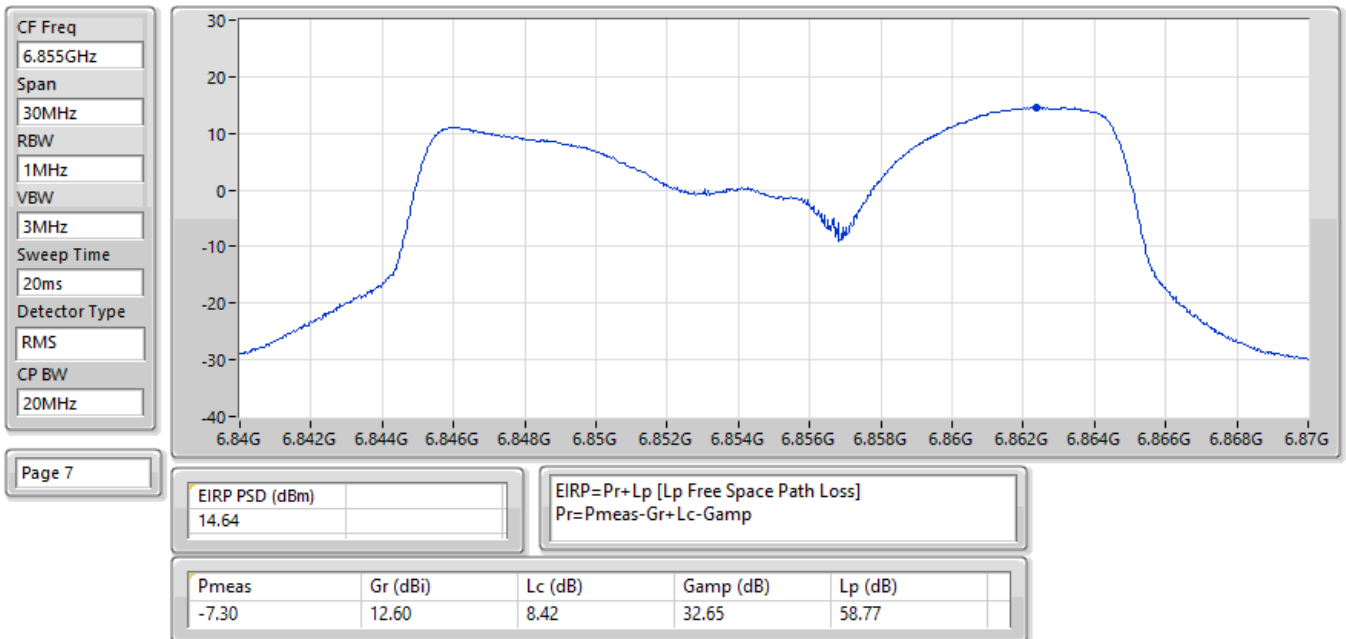
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6535MHz;TX



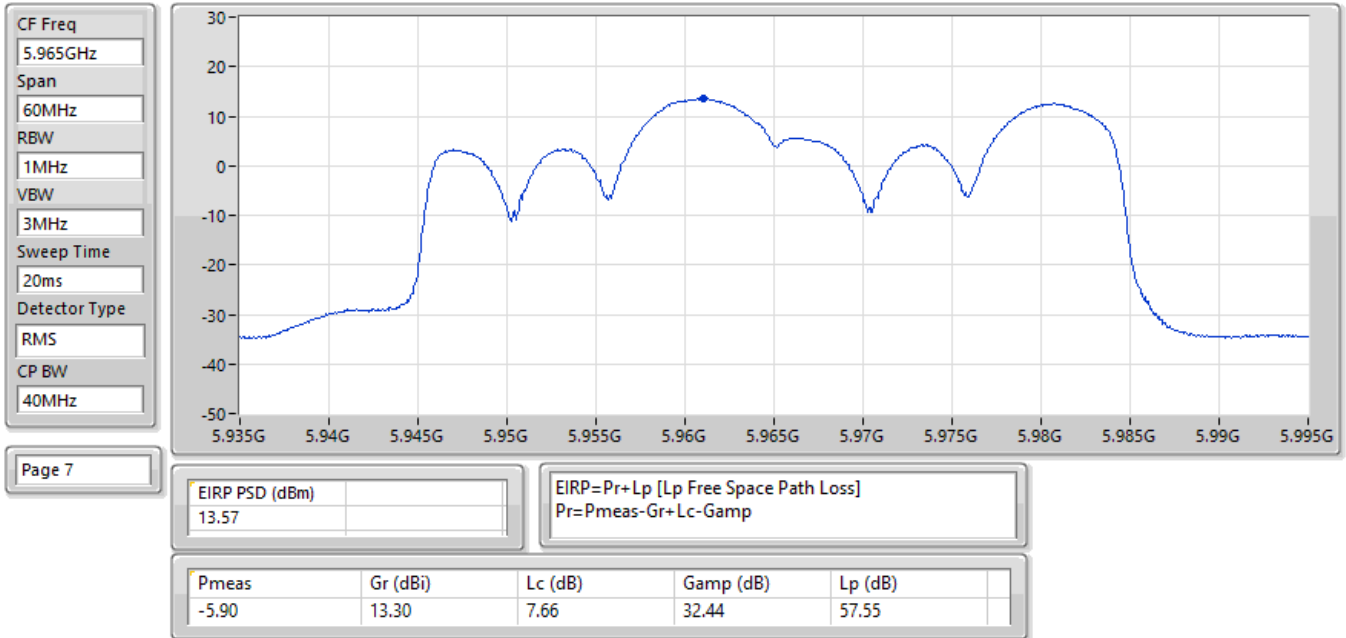
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6695MHz;TX



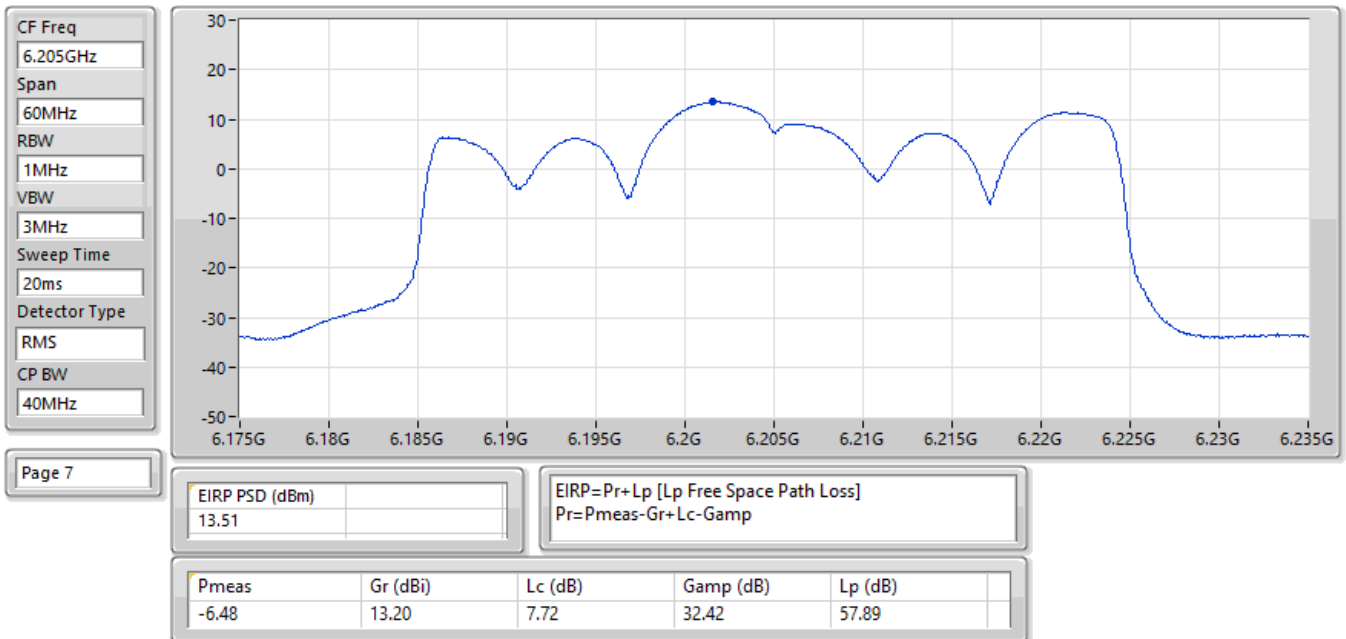
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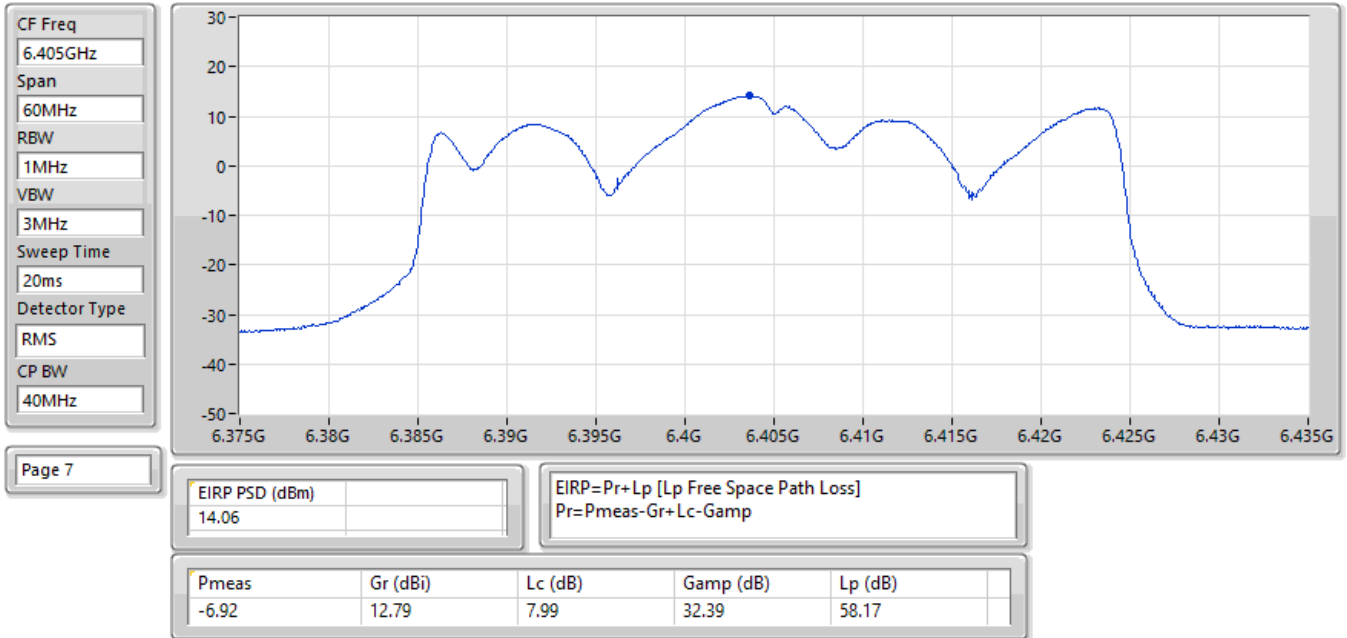
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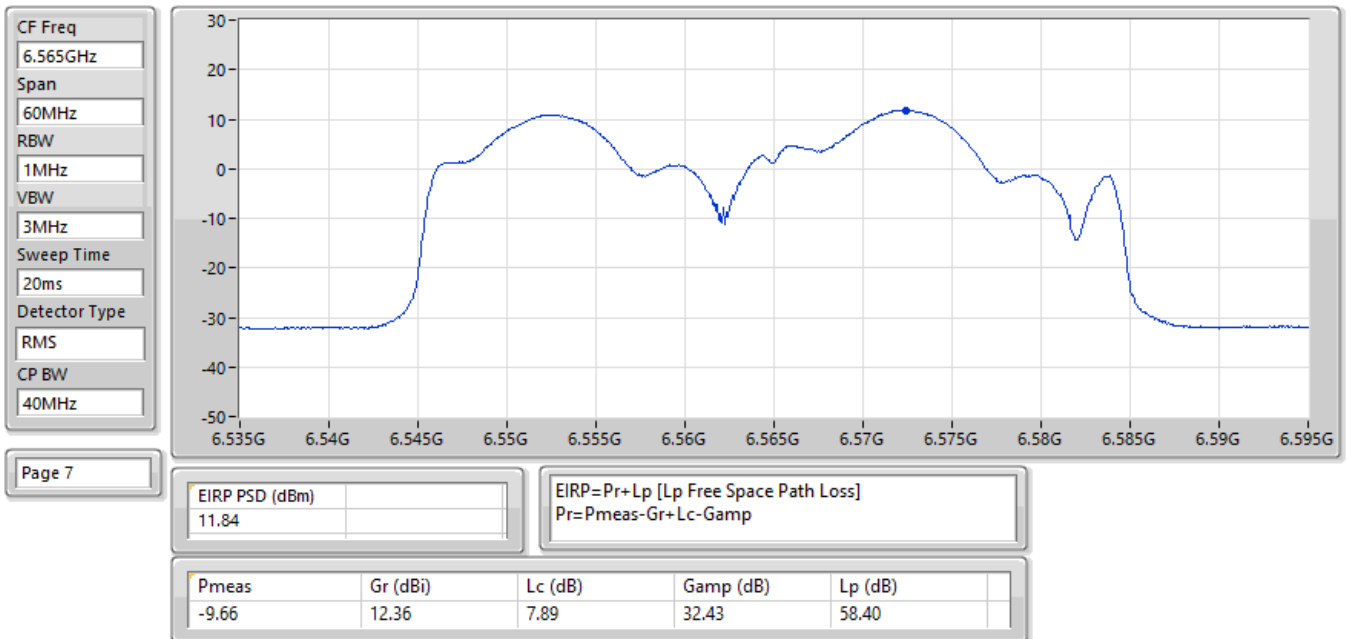
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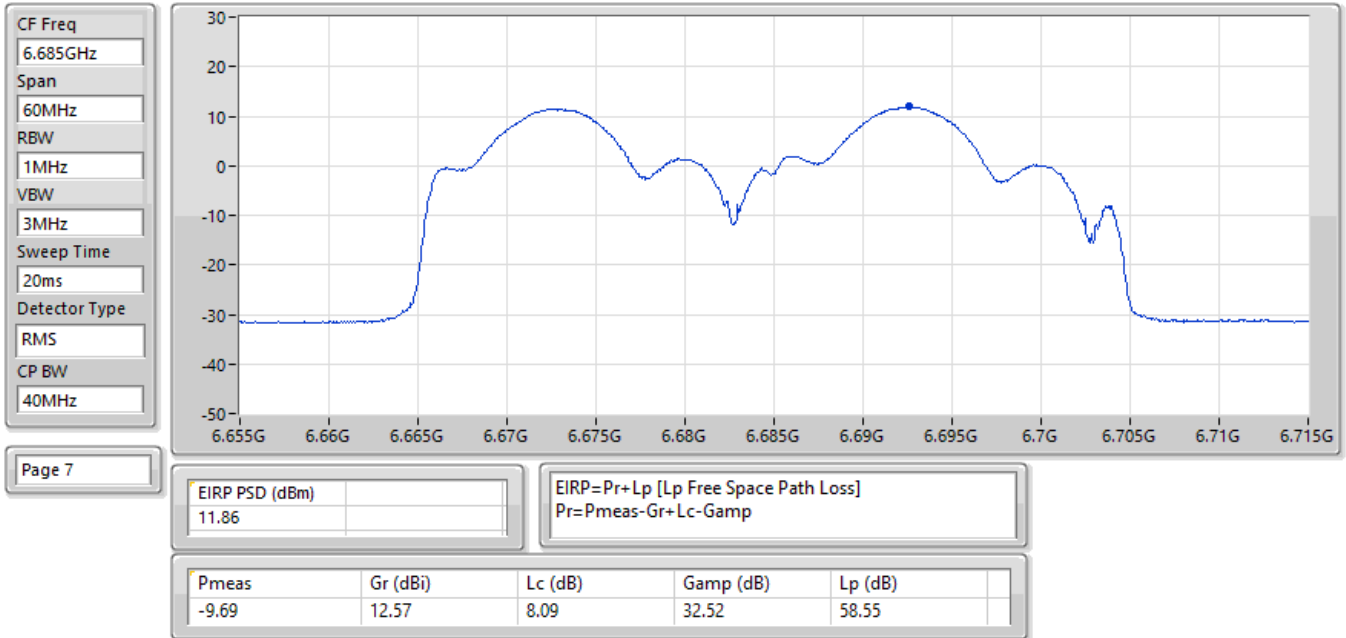
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX



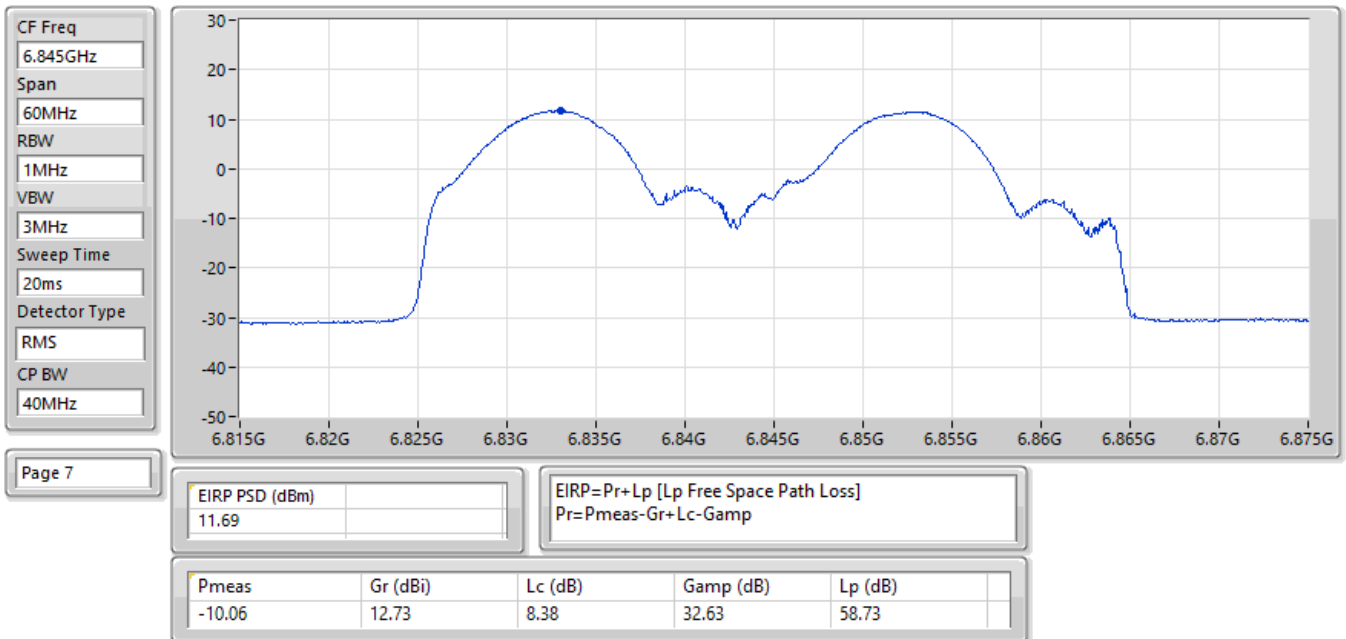
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6565MHz;TX



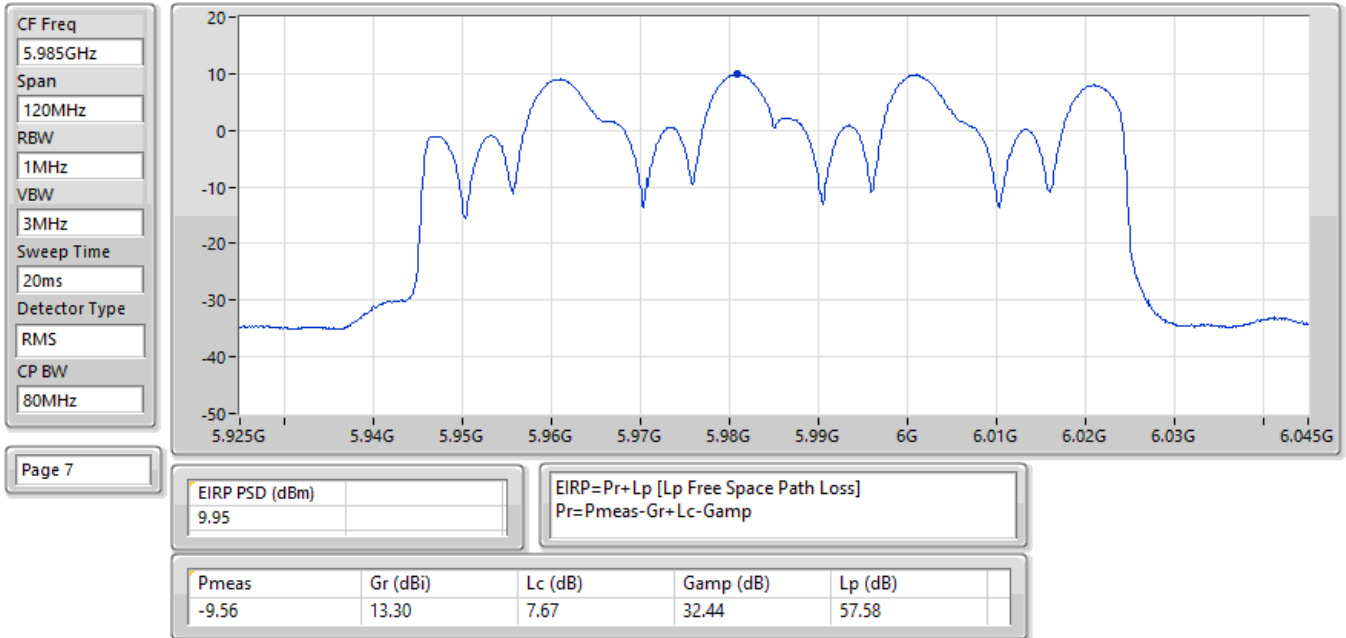
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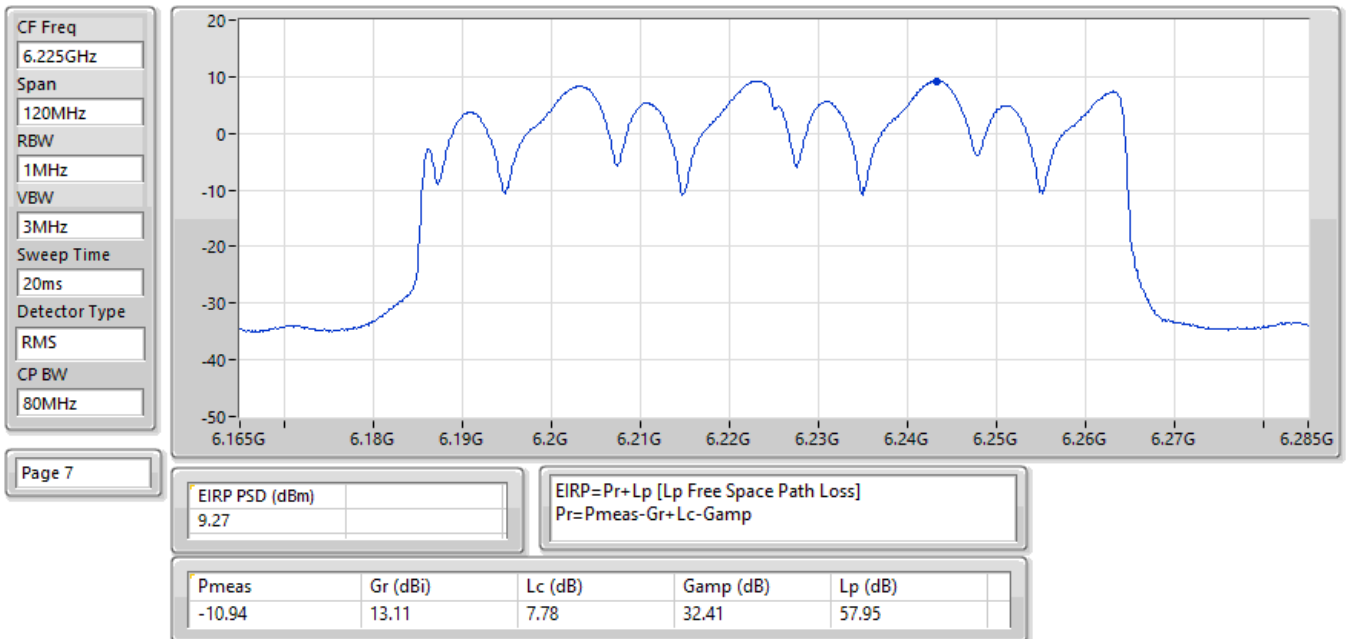
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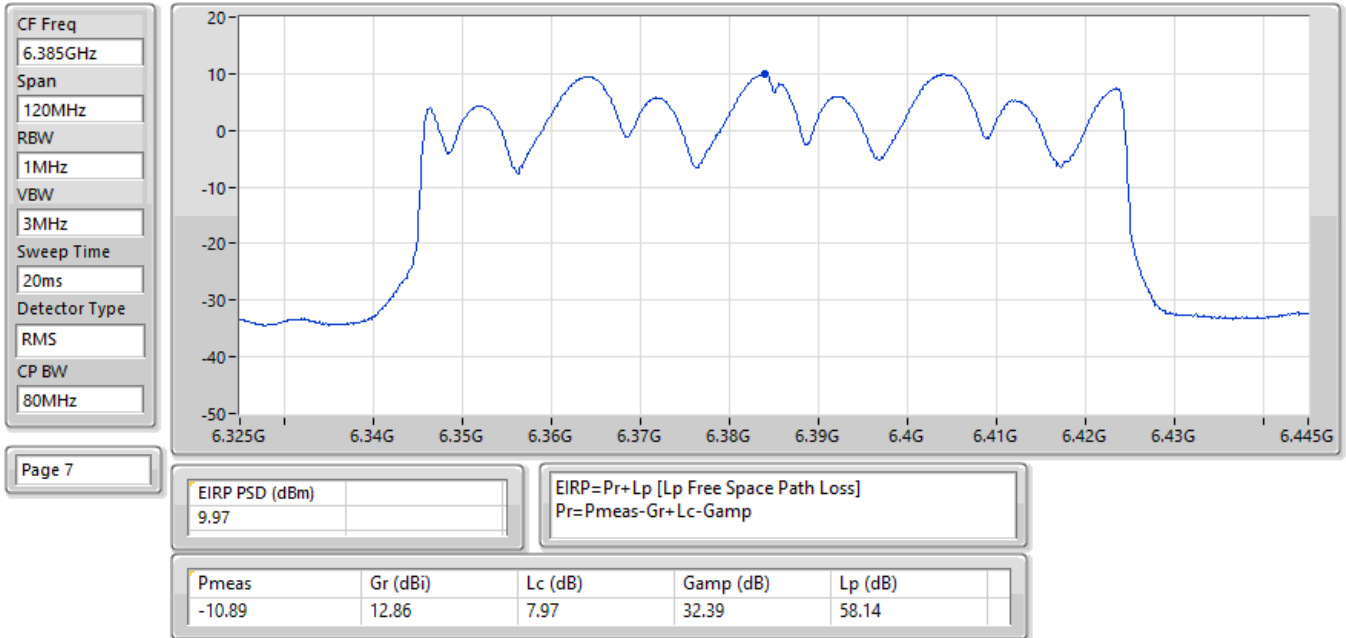
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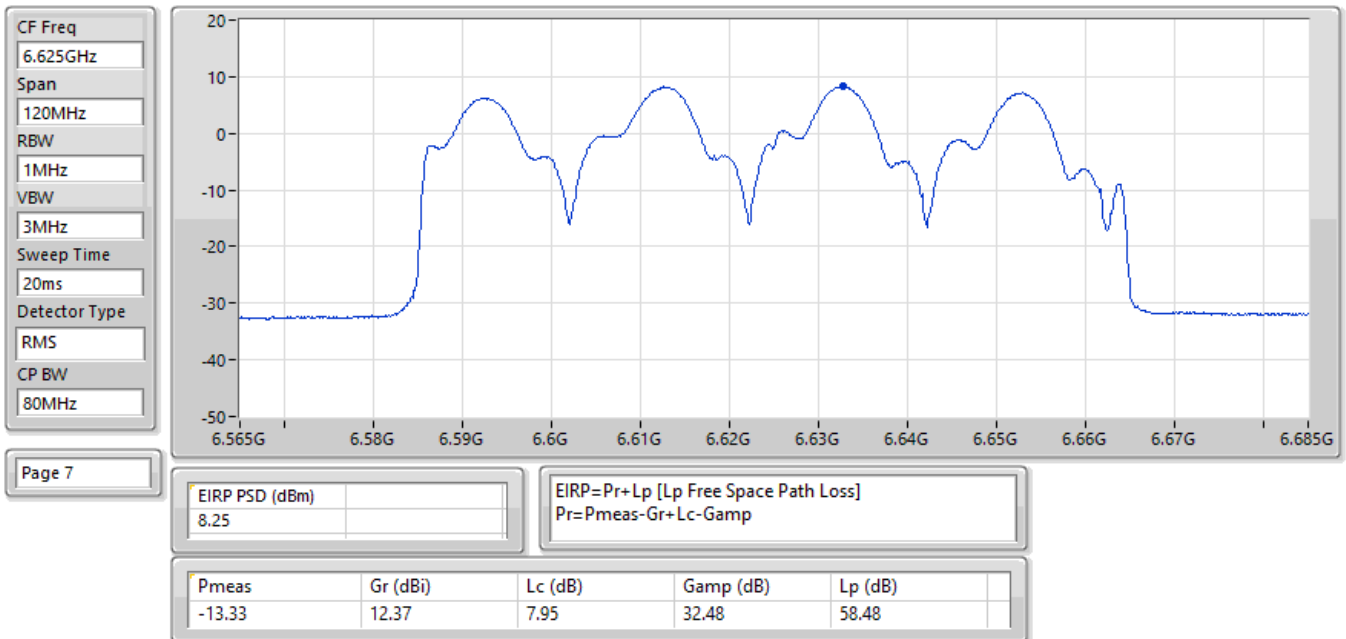
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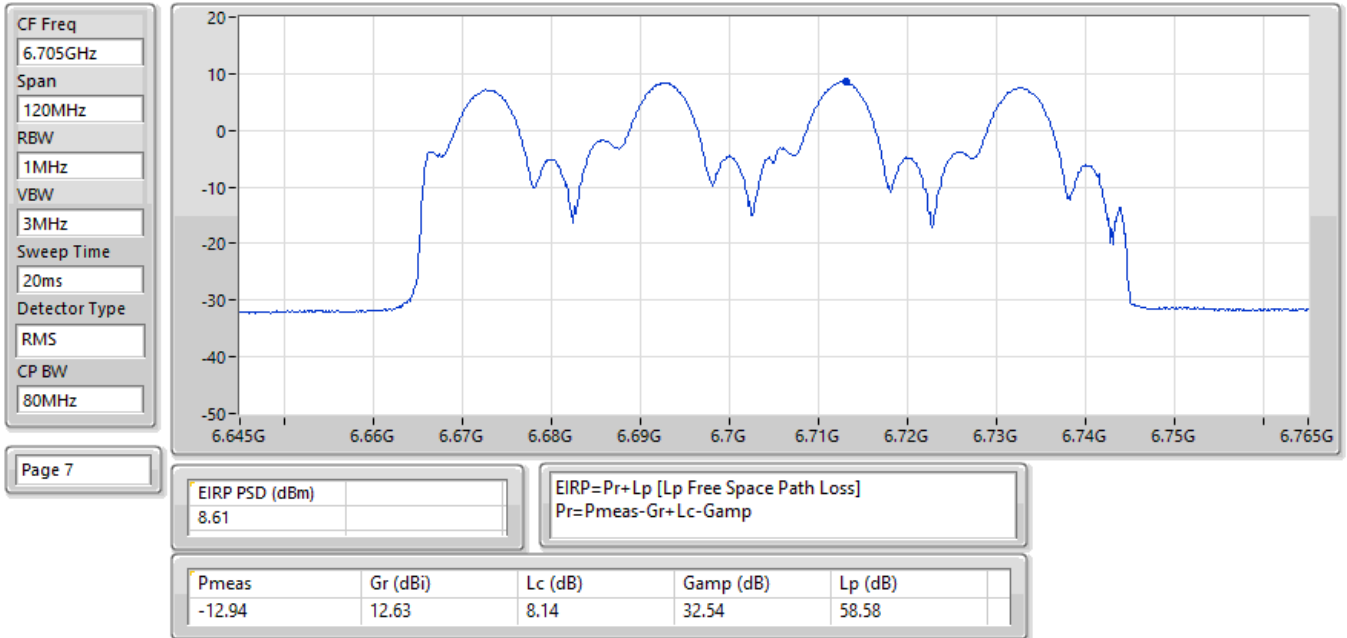
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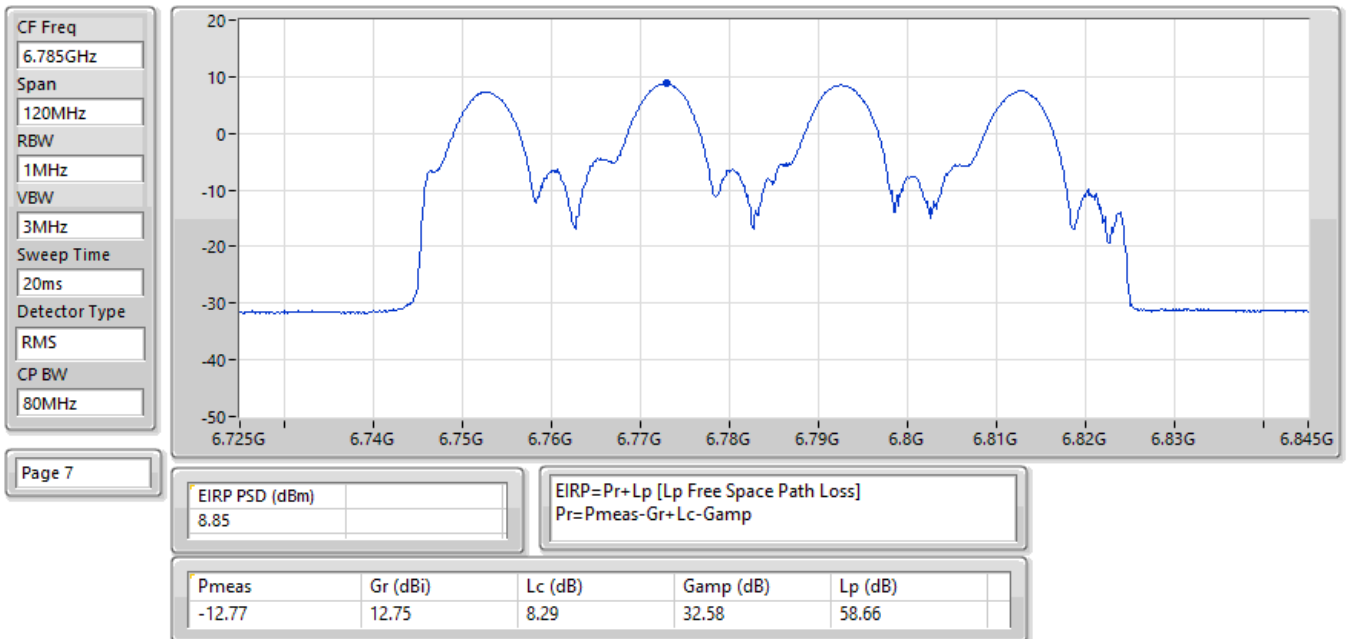
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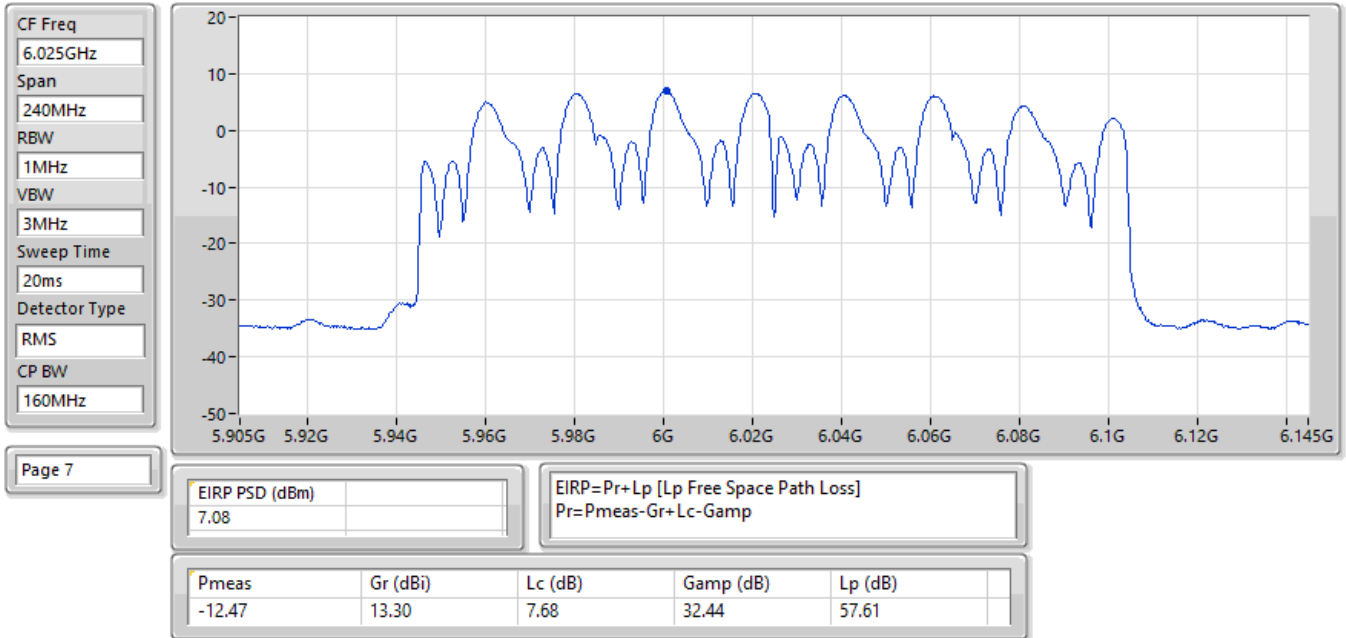
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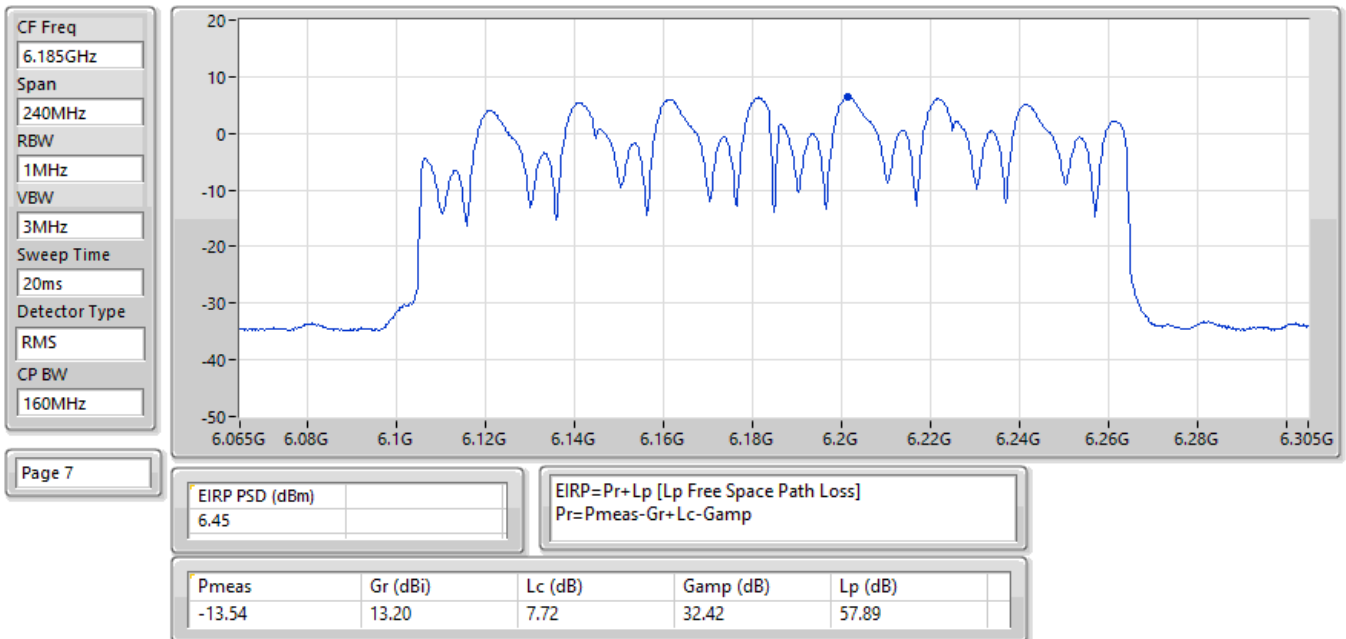
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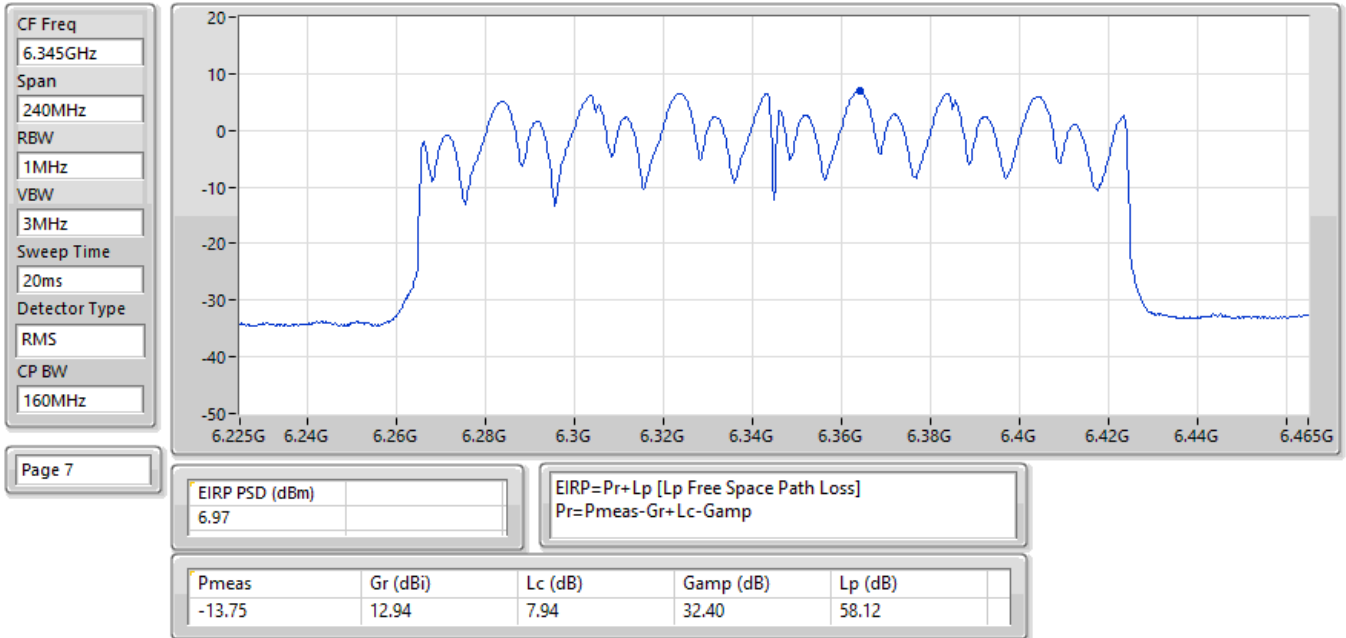
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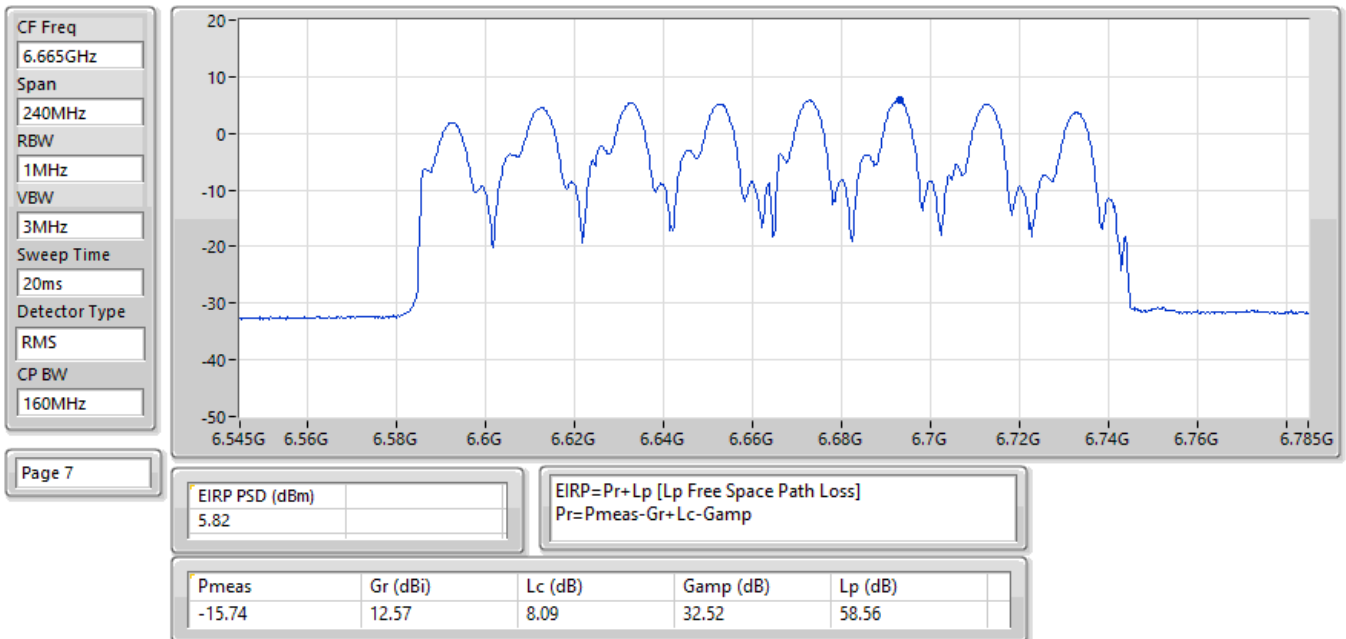
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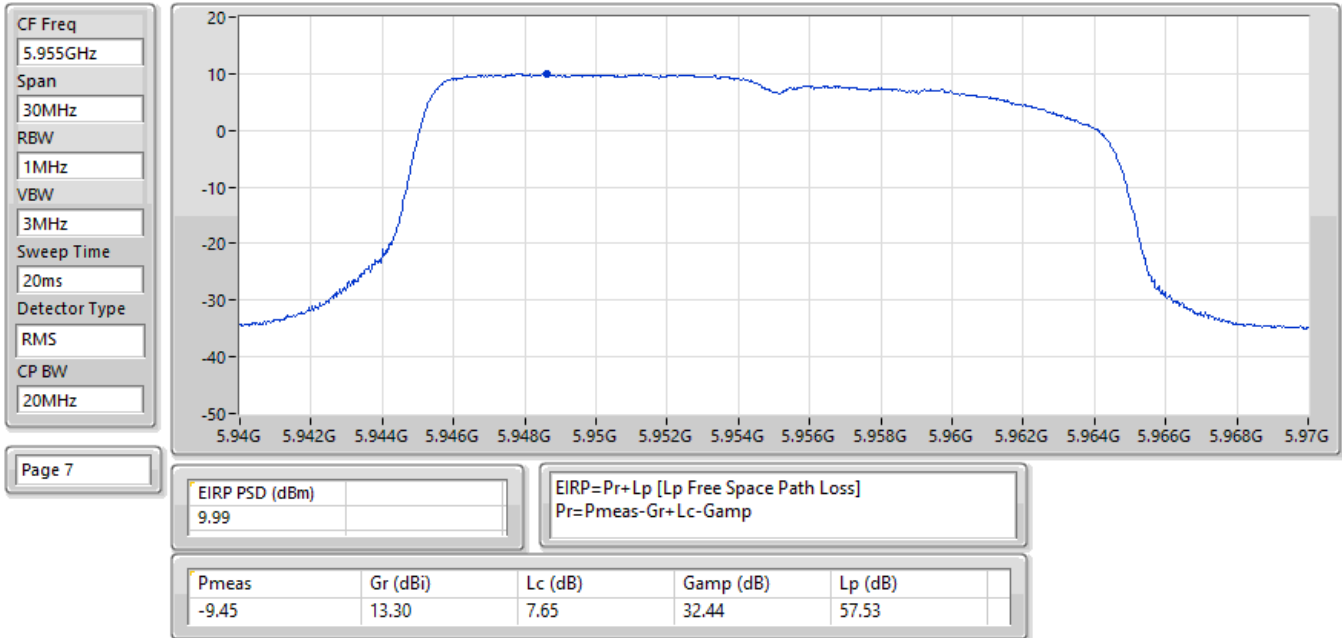
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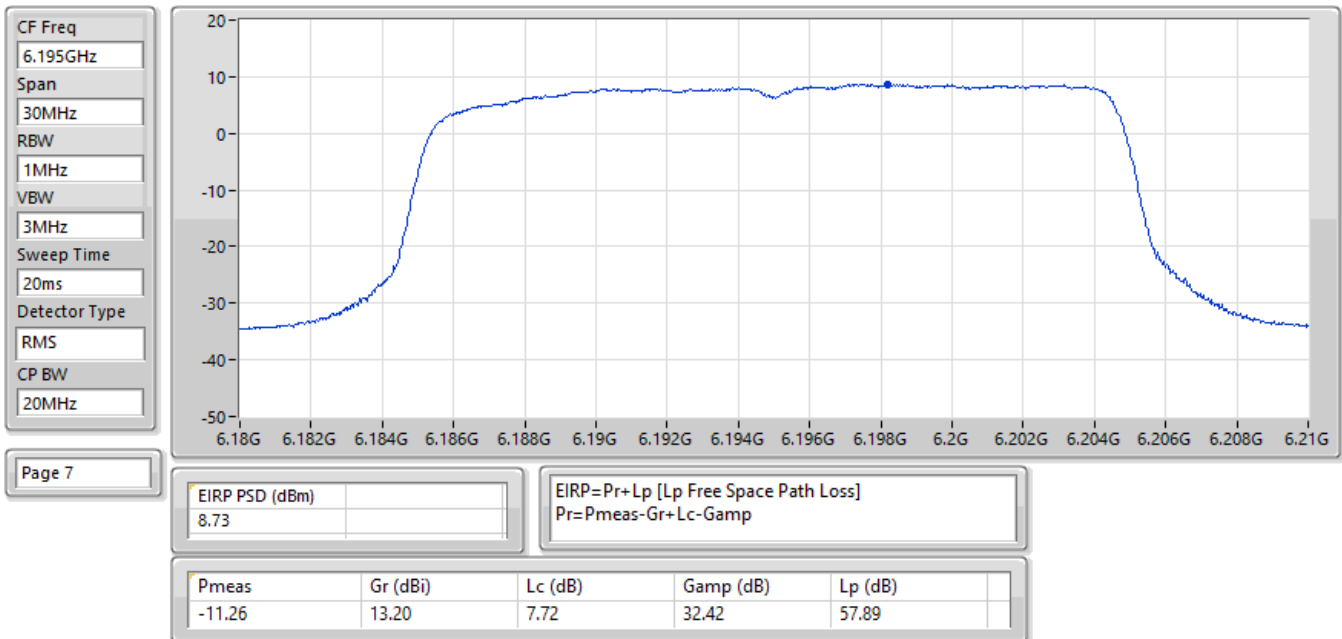
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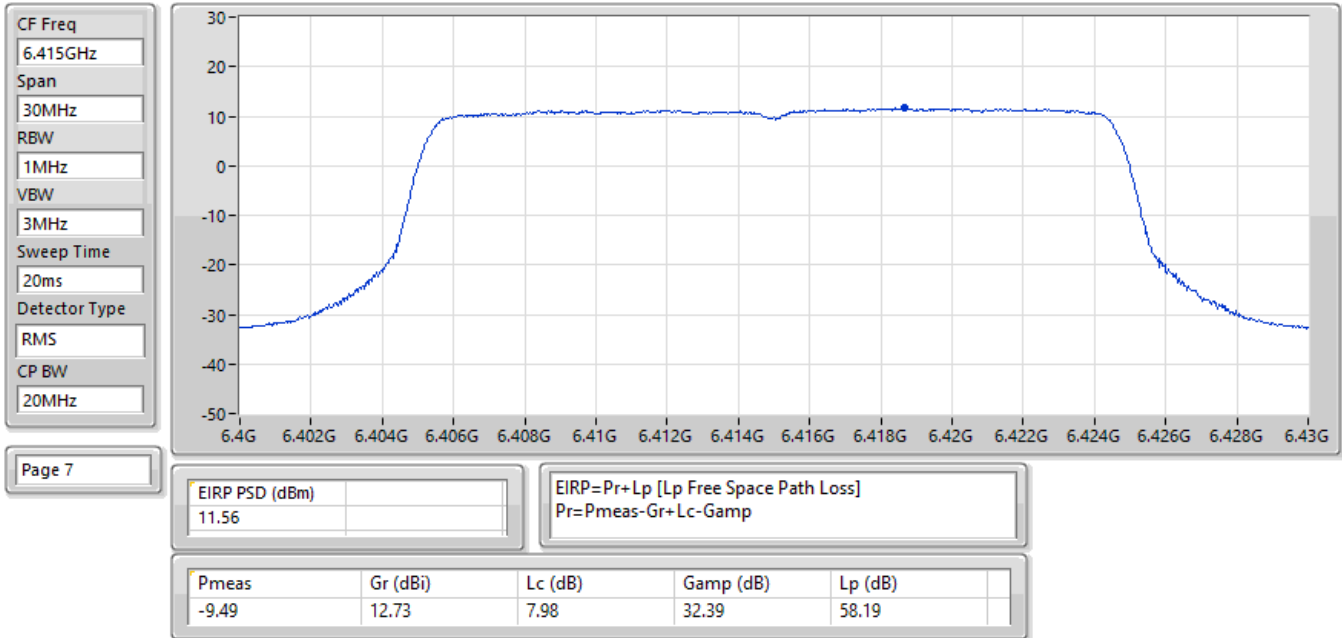
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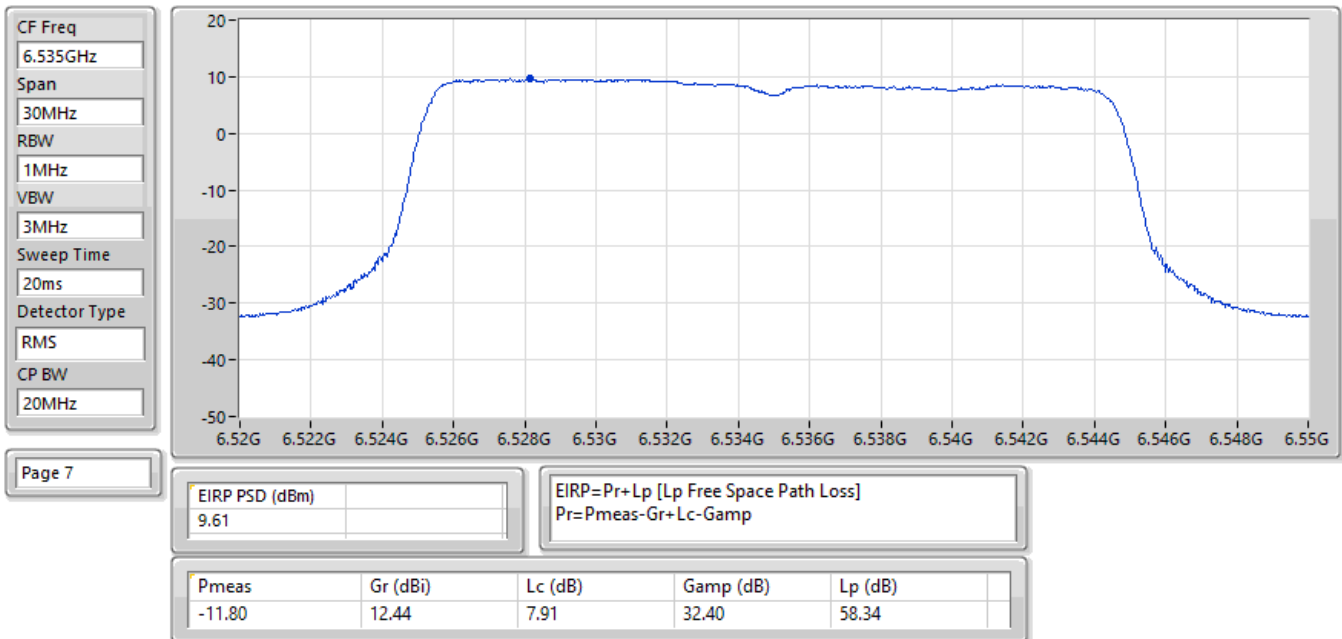
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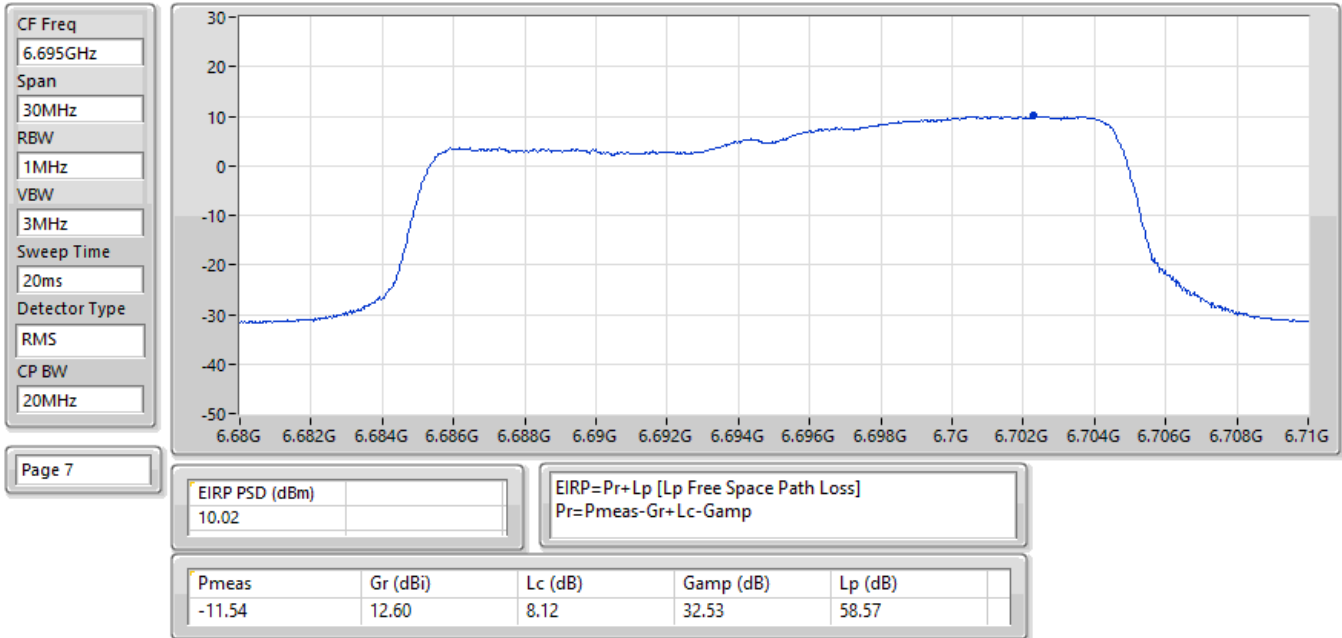
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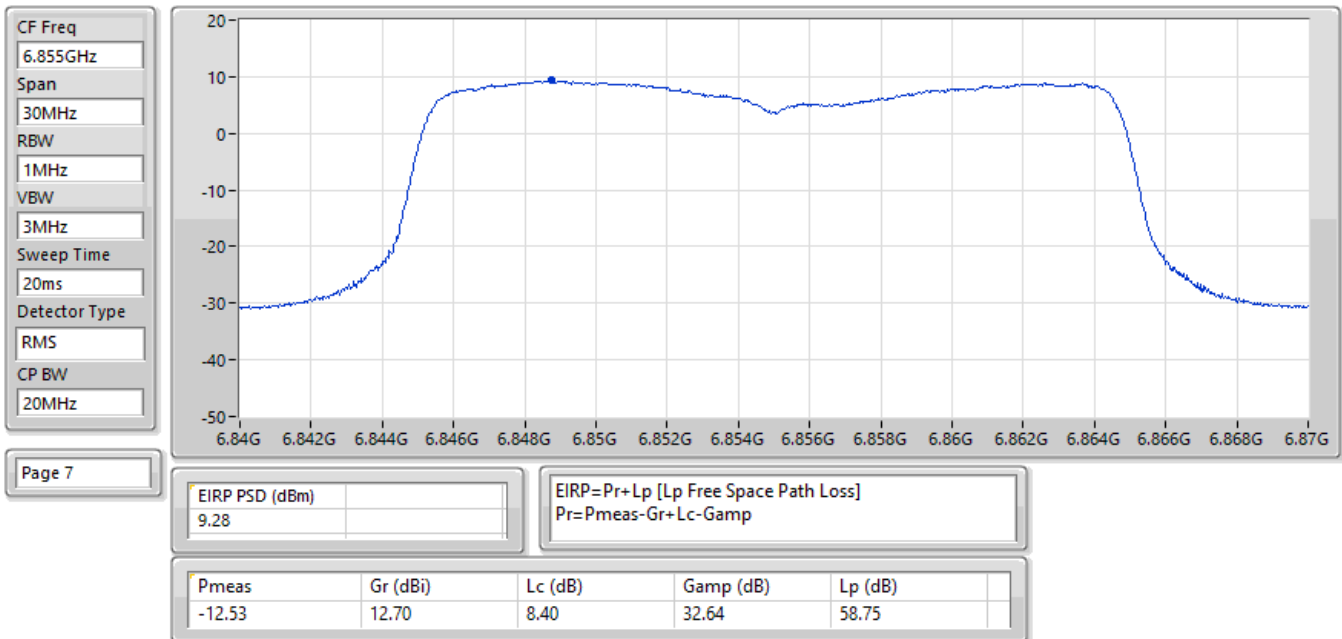
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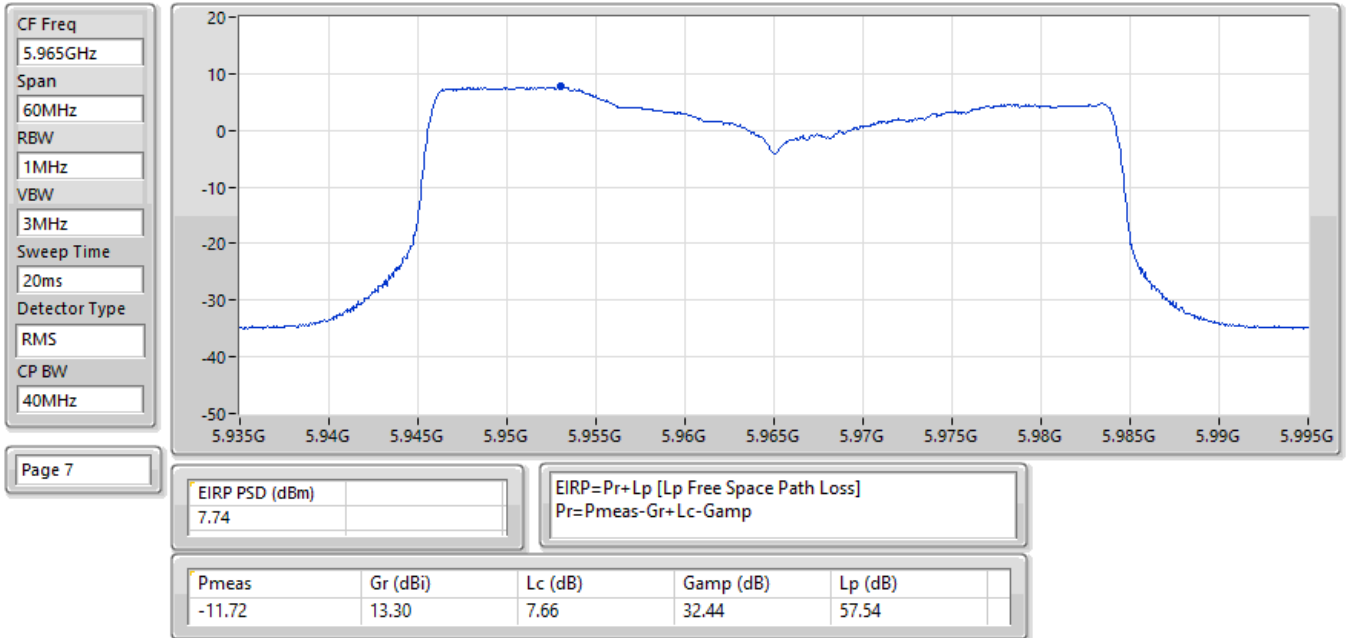
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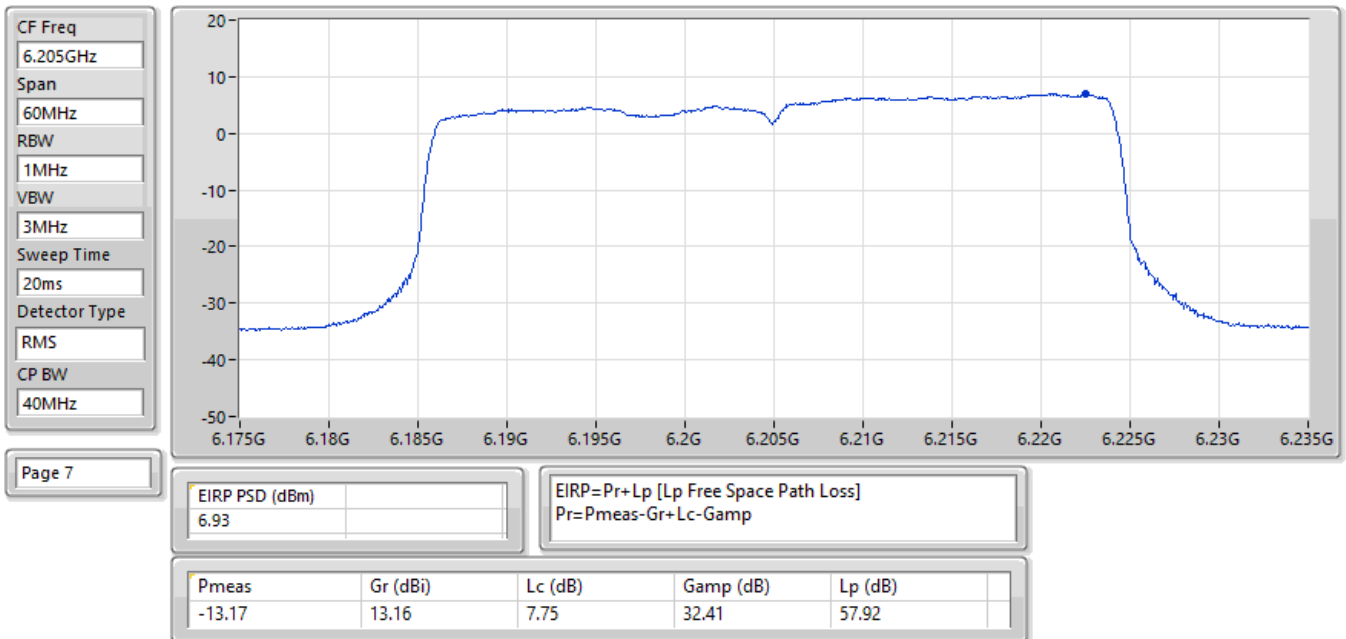
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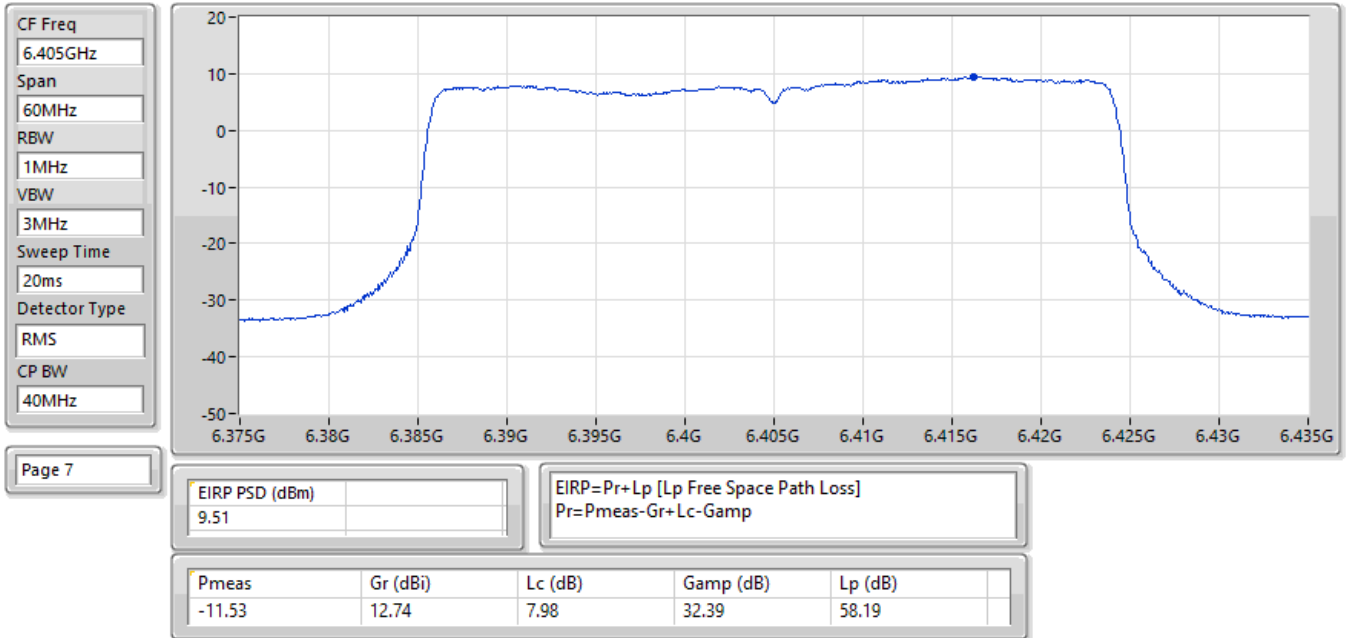
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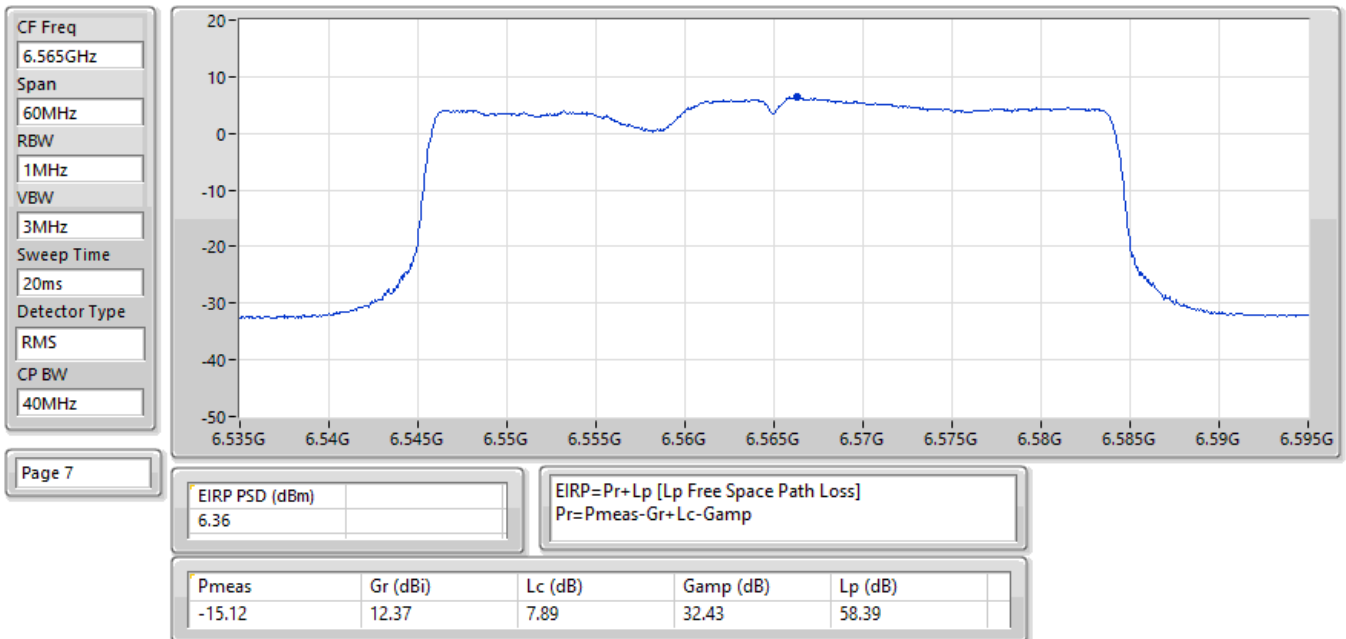
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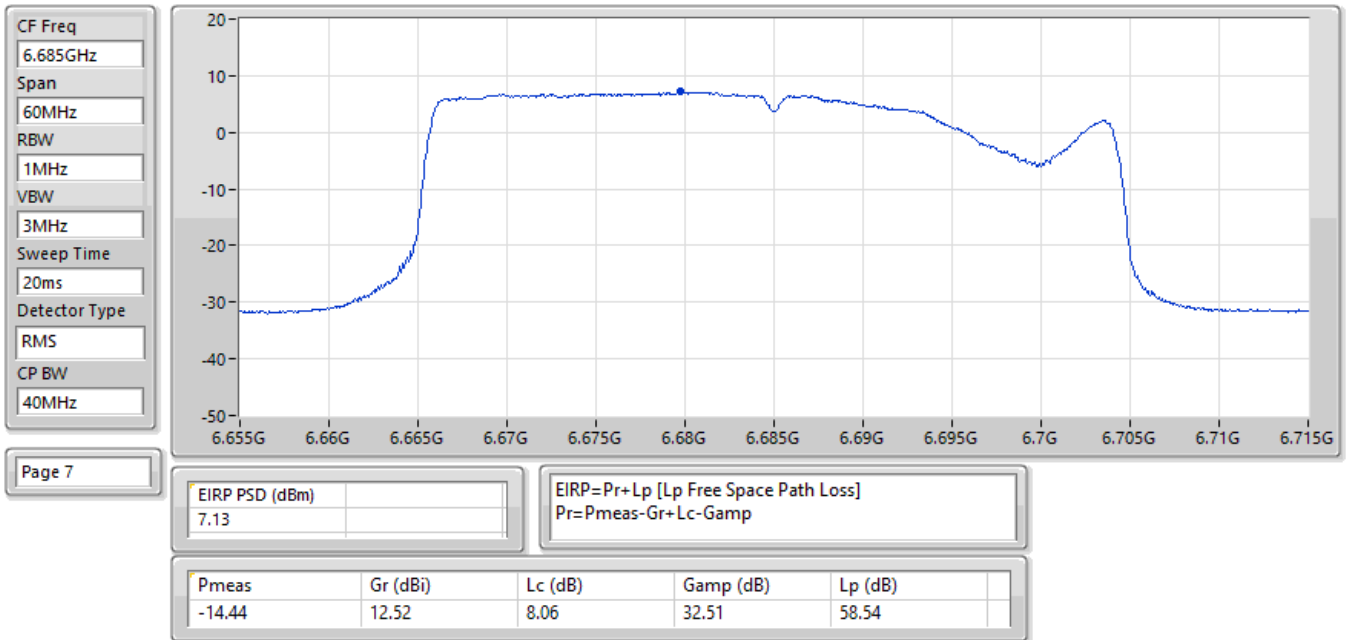
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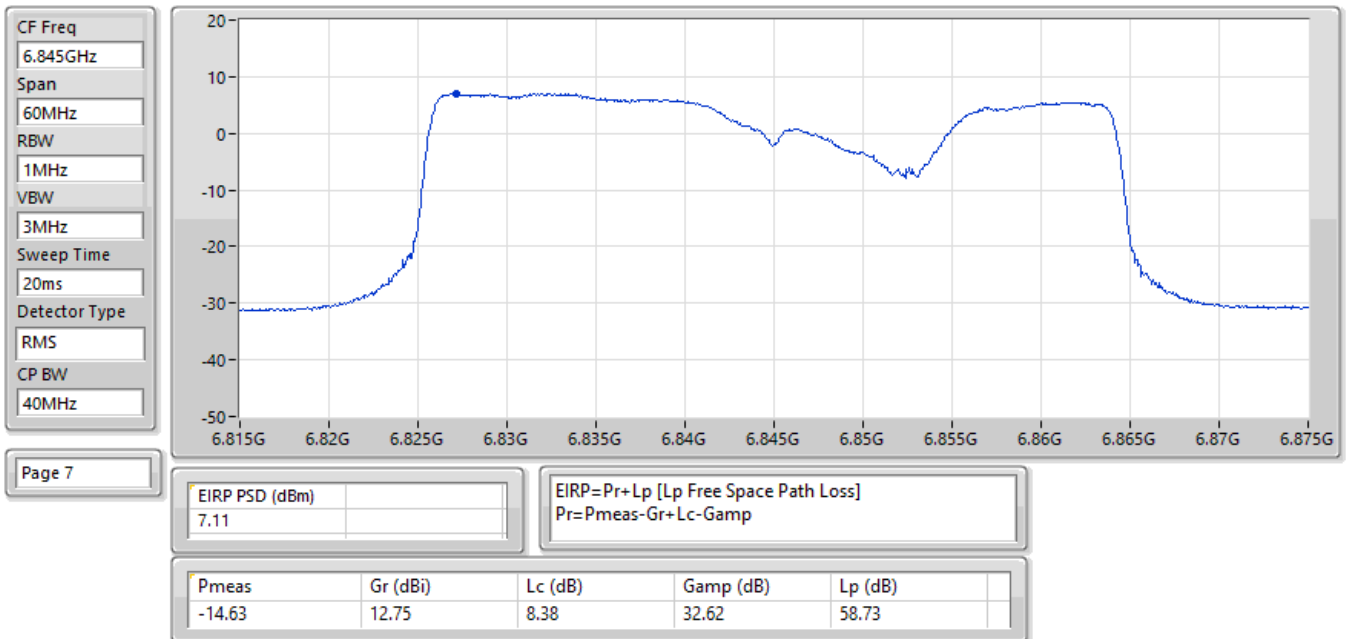
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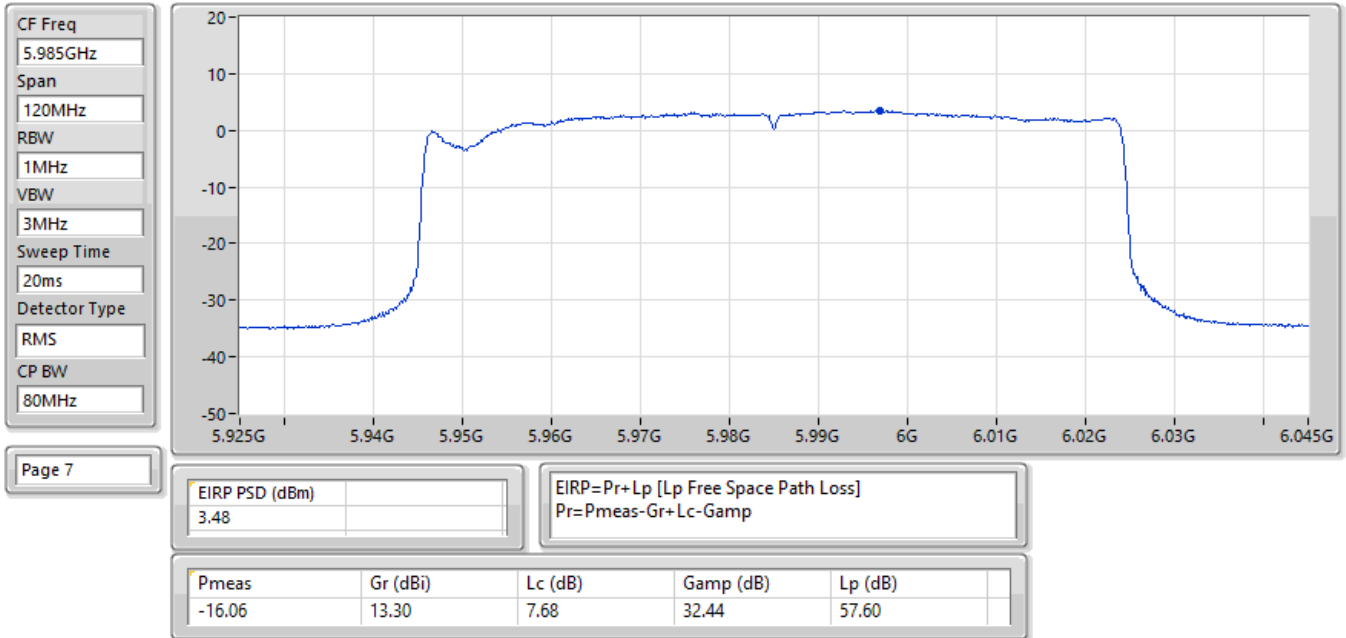
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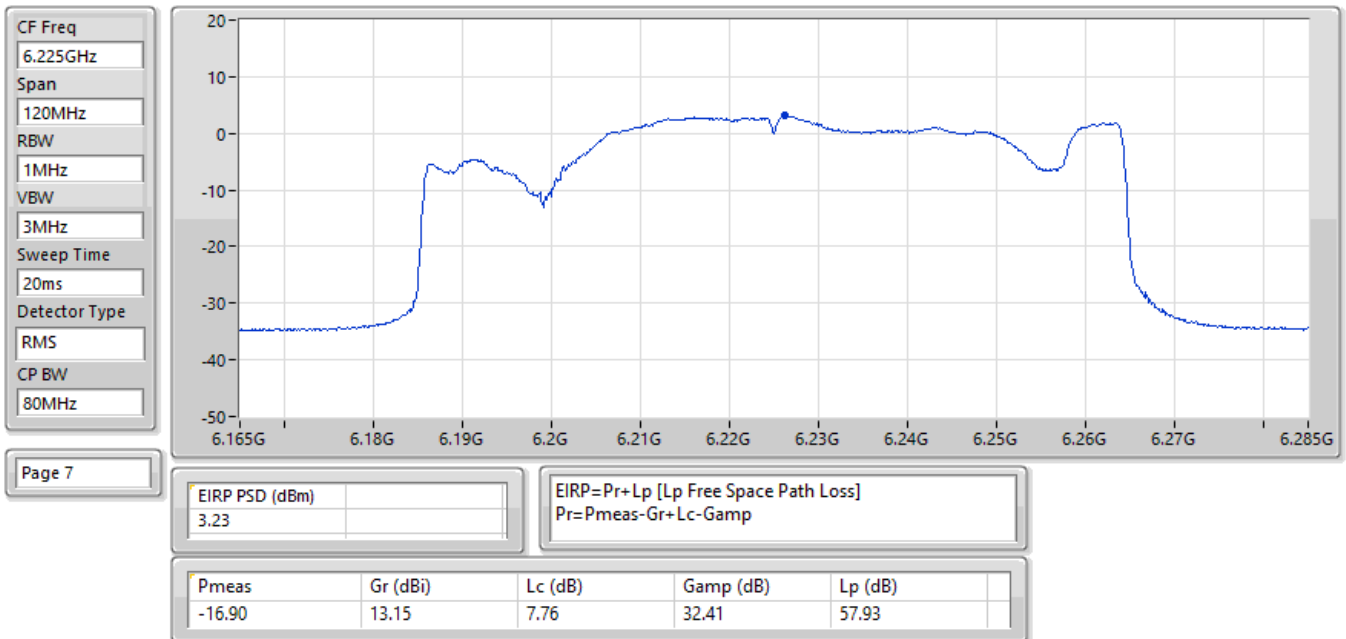
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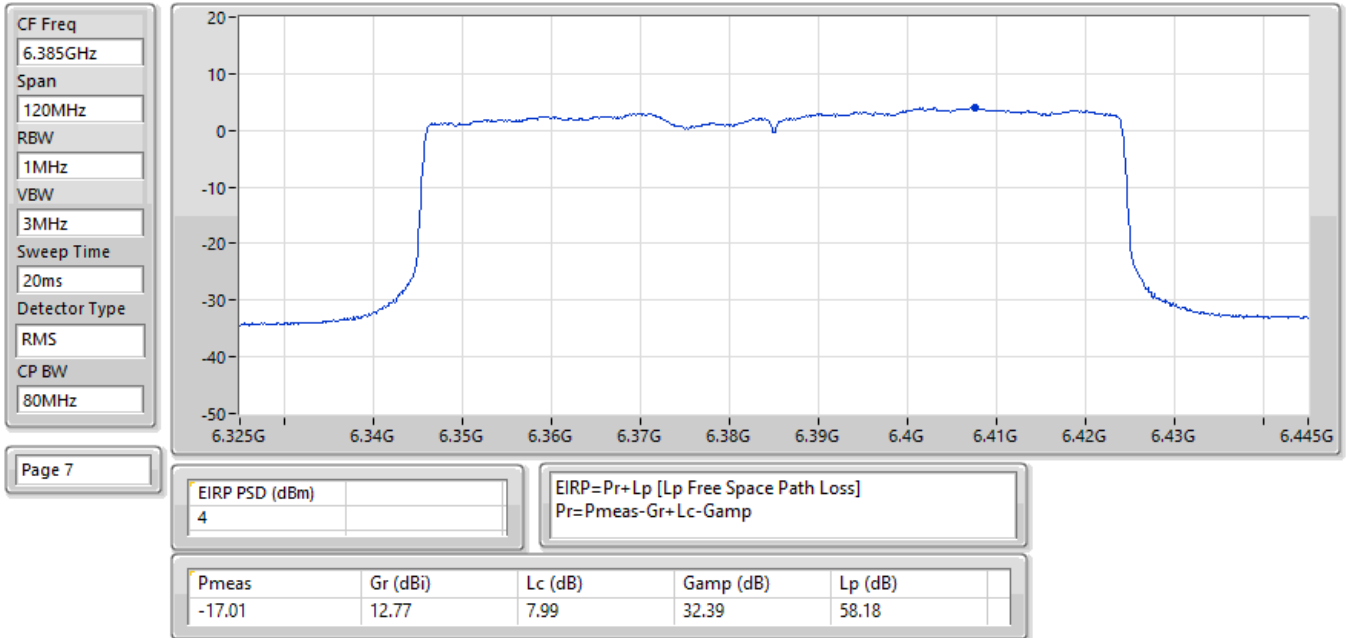
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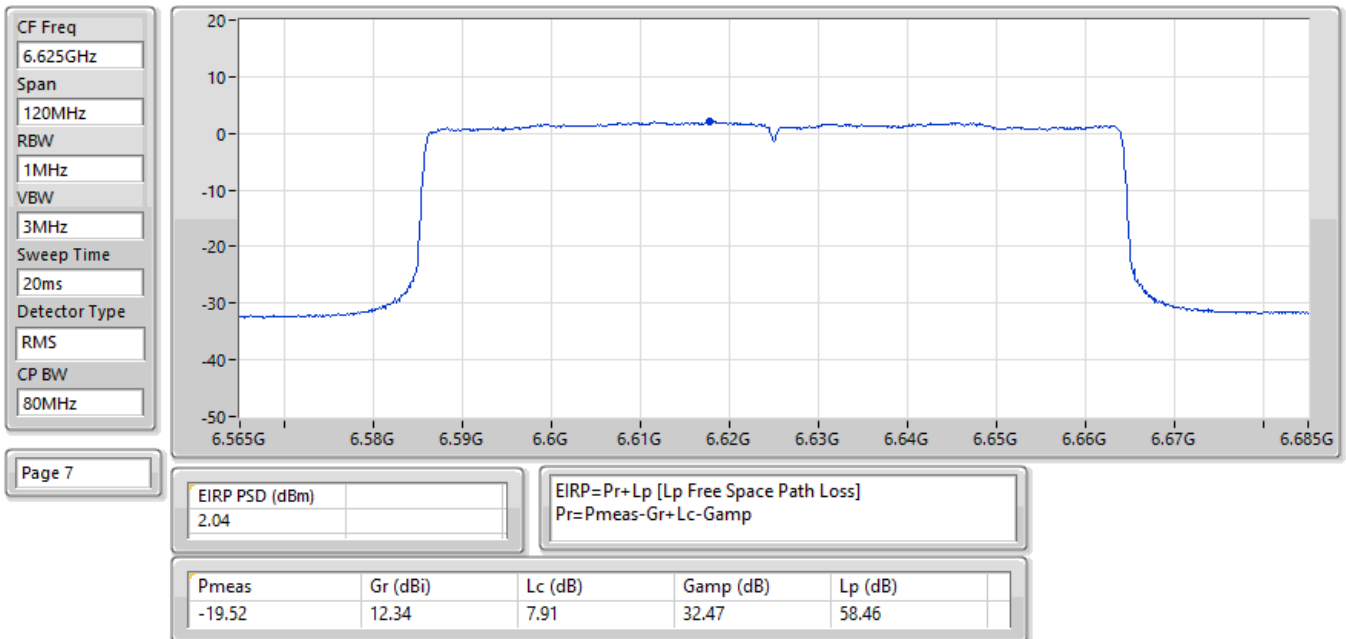
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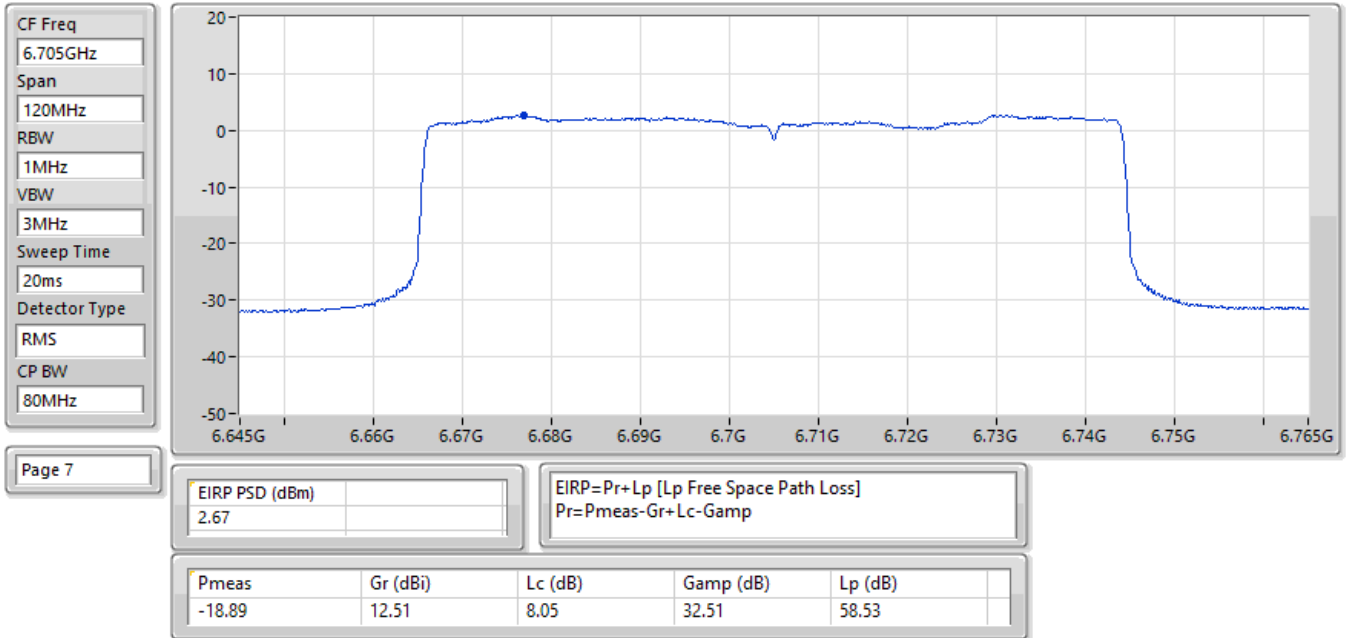
EIRP PSD;Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6385MHz;TX



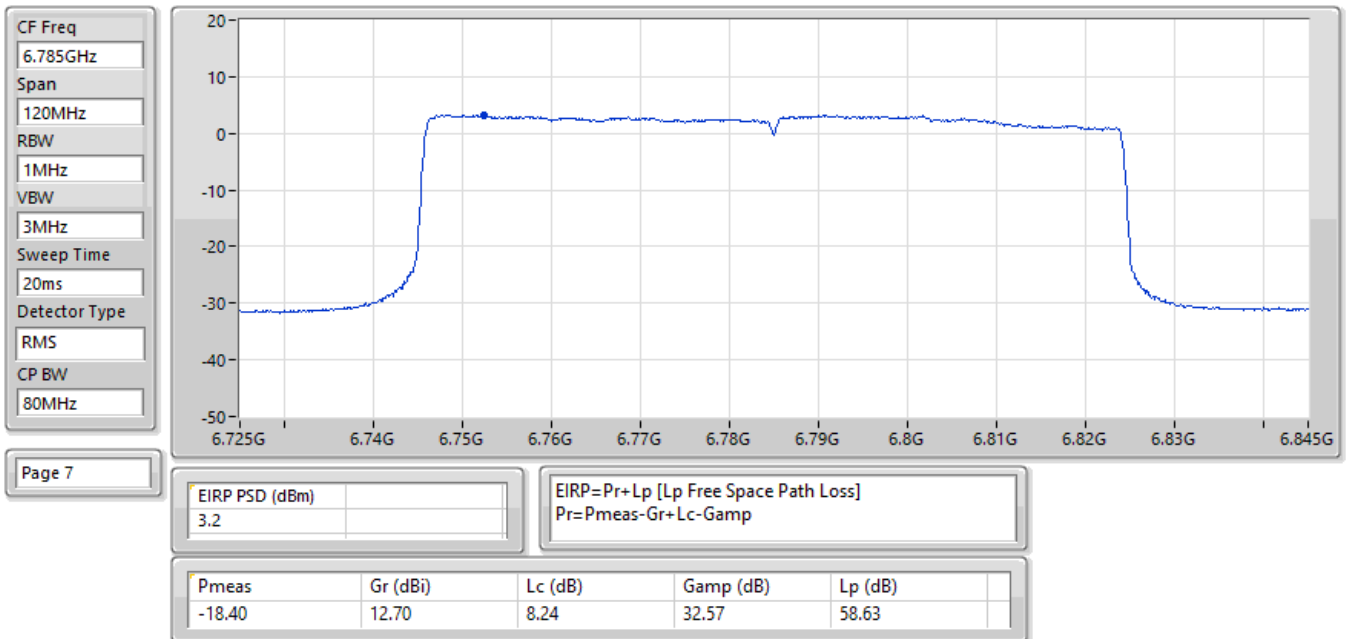
EIRP PSD;Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M4);Nant:4;Ch:6625MHz;TX



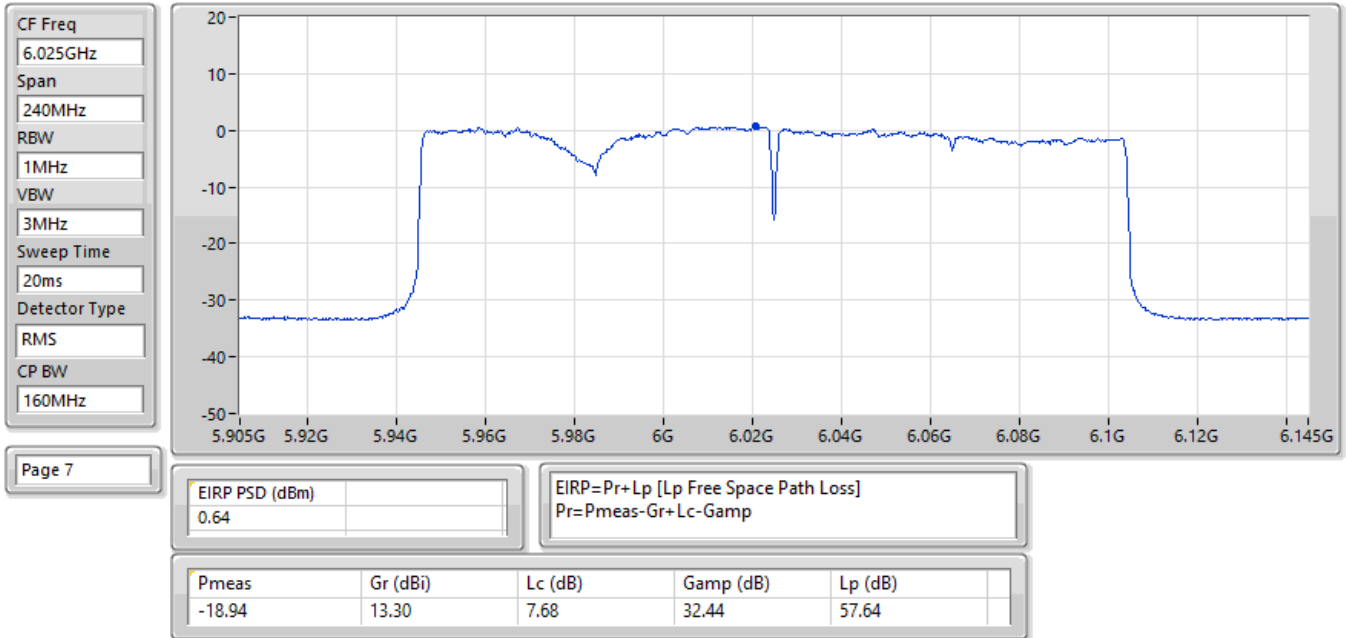
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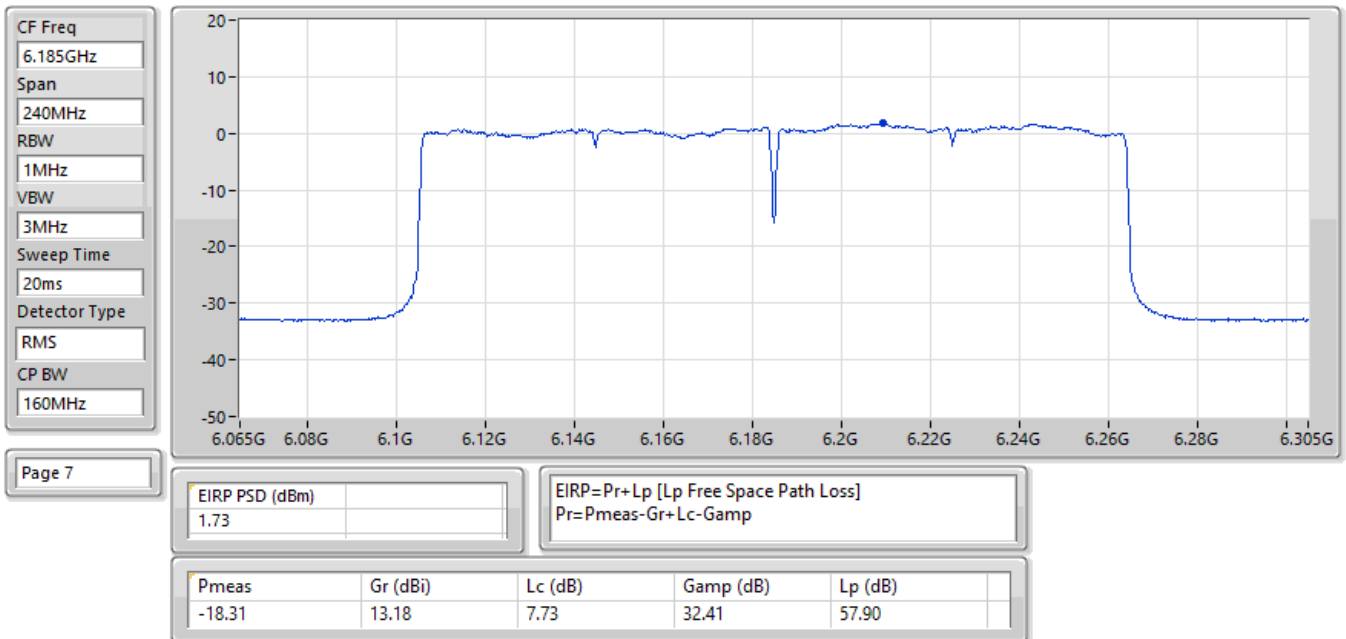
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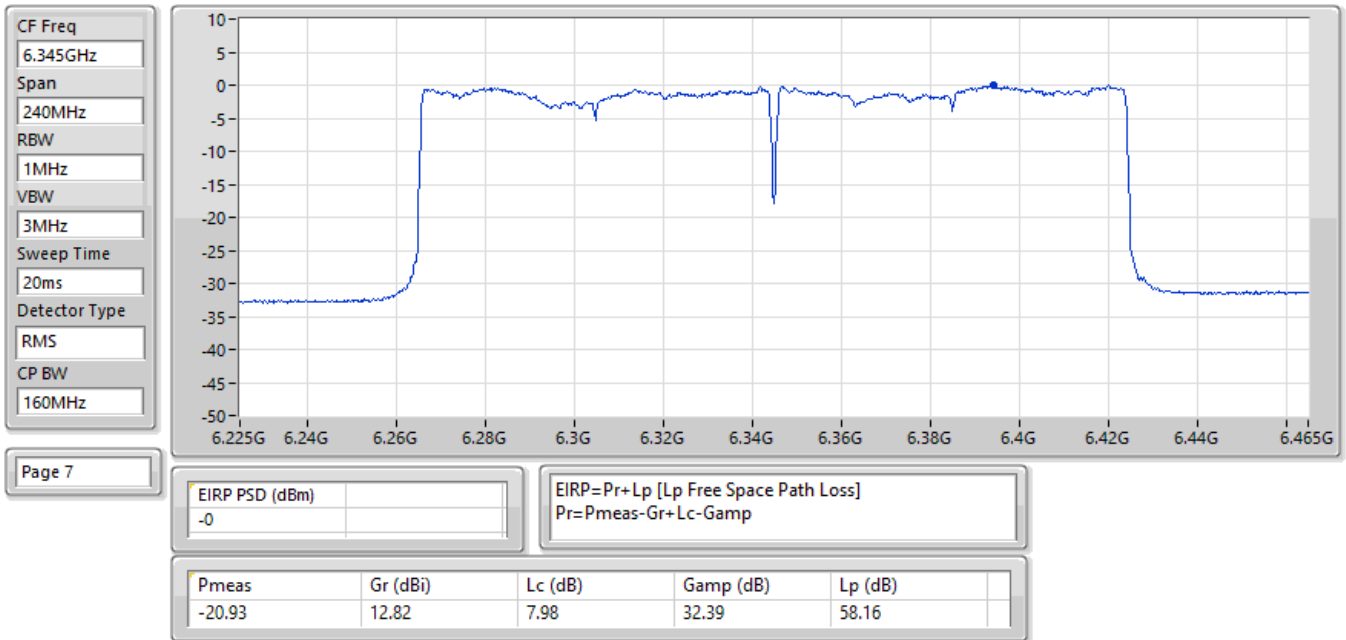
EIRP PSD;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6025MHz;TX



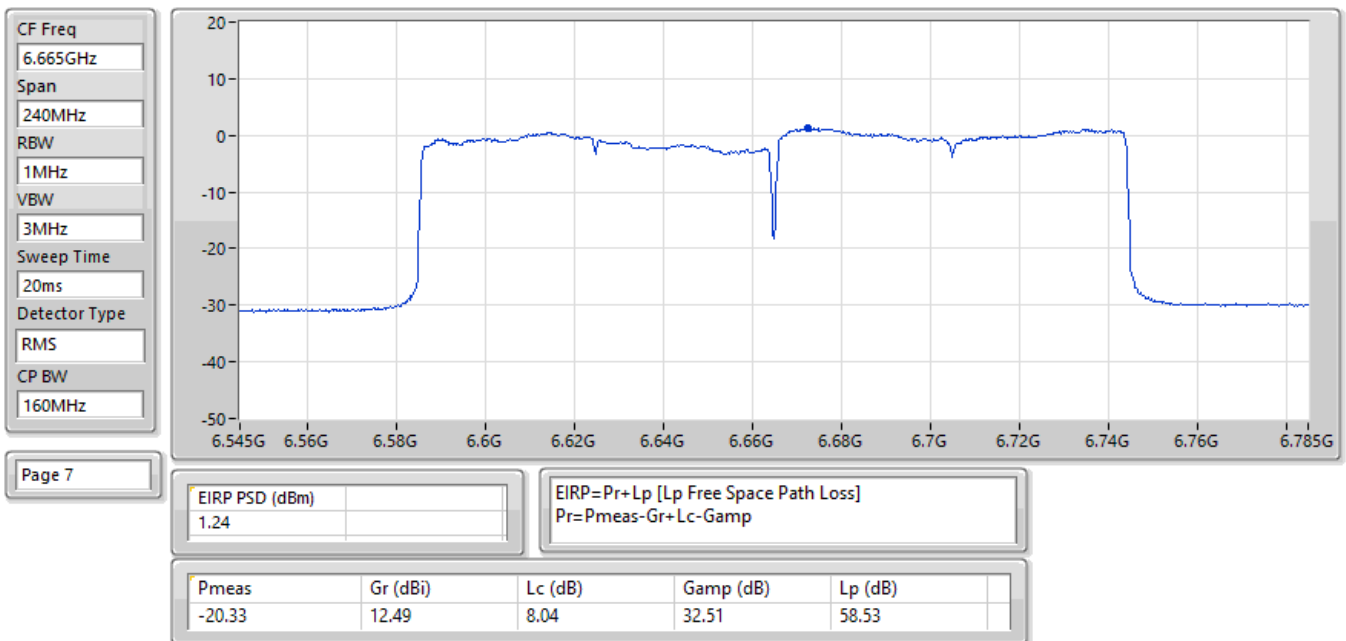
EIRP PSD;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6185MHz;TX



EIRP PSD;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6345MHz;TX



EIRP PSD;Band:6.7G;ax160,BF;BWch:160MHz;Nss:1,(M4);Nant:4;Ch:6665MHz;TX



Test Mode: Mode 2
Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	13.31
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	18.47
802.11ax HEW40_Nss1,(MCS0)_4TX	10.79
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	14.26
802.11ax HEW80_Nss1,(MCS0)_4TX	7.92
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	13.48
802.11ax HEW160_Nss1,(MCS0)_4TX	4.82
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	9.42
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_4TX	15.11
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	16.96
802.11ax HEW40_Nss1,(MCS0)_4TX	12.02
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	14.81
802.11ax HEW80_Nss1,(MCS0)_4TX	8.82
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	13.76
802.11ax HEW160_Nss1,(MCS0)_4TX	5.59
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	8.58

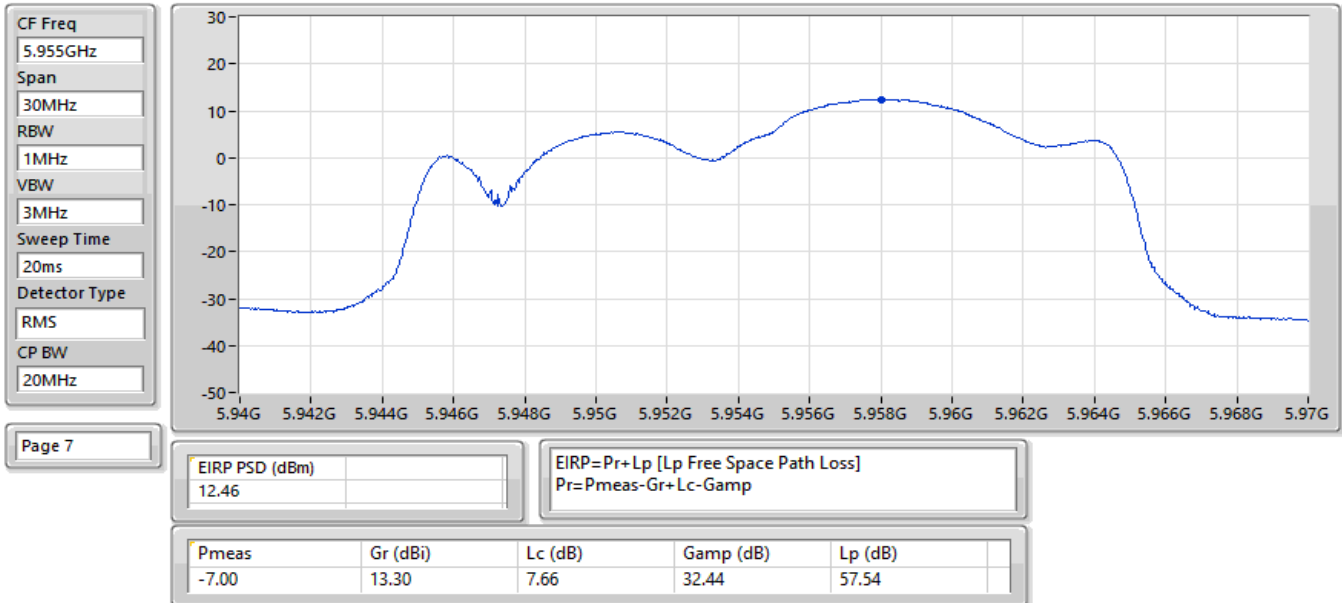
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

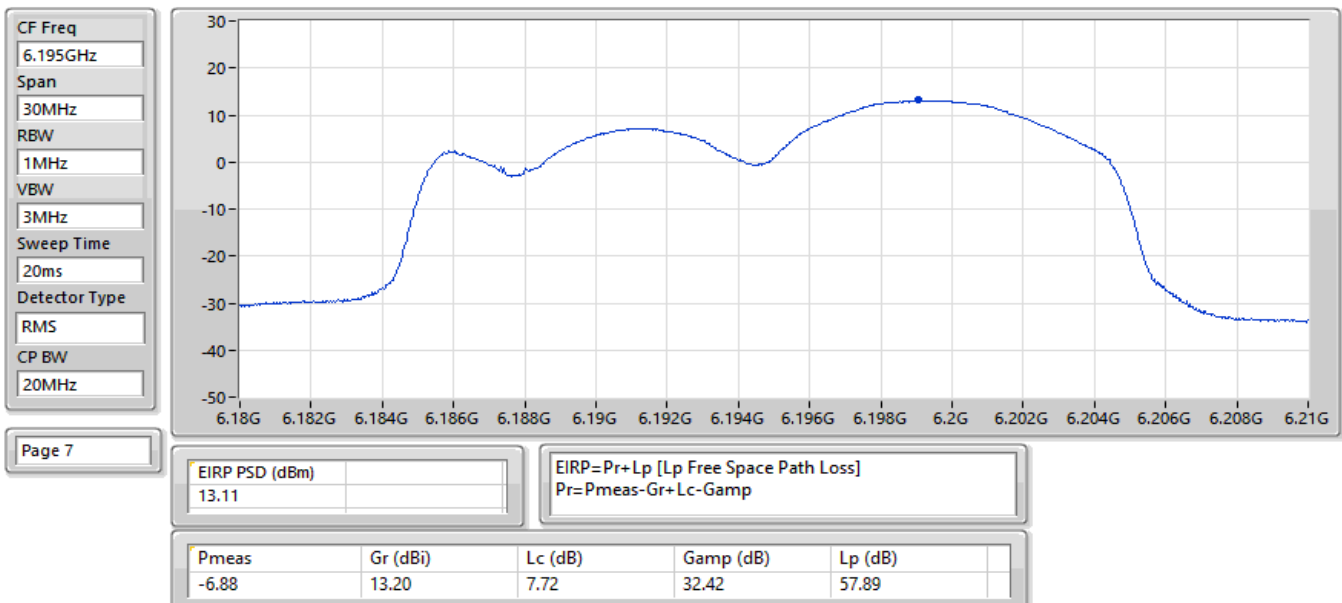
Mode	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-
5955MHz	12.46	23.00
6195MHz	13.11	23.00
6415MHz	13.31	23.00
6535MHz	14.47	23.00
6695MHz	15.11	23.00
6855MHz	14.84	23.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-
5965MHz	10.17	23.00
6205MHz	10.79	23.00
6405MHz	9.91	23.00
6565MHz	10.12	23.00
6685MHz	12.02	23.00
6845MHz	10.98	23.00
802.11ax HEW80_Nss1,(MCS0)_4TX	-	-
5985MHz	6.50	23.00
6225MHz	7.92	23.00
6385MHz	7.69	23.00
6625MHz	7.81	23.00
6705MHz	8.43	23.00
6785MHz	8.82	23.00
802.11ax HEW160_Nss1,(MCS0)_4TX	-	-
6025MHz	4.10	23.00
6185MHz	4.82	23.00
6345MHz	4.61	23.00
6665MHz	5.59	23.00
802.11ax HEW20-BF_Nss1,(MCS4)_4TX	-	-
5955MHz	16.77	23.00
6195MHz	18.47	23.00
6415MHz	17.78	23.00
6535MHz	16.96	23.00
6695MHz	16.04	23.00
6855MHz	16.27	23.00
802.11ax HEW40-BF_Nss1,(MCS4)_4TX	-	-
5965MHz	14.26	23.00
6205MHz	13.91	23.00
6405MHz	13.73	23.00
6565MHz	14.81	23.00
6685MHz	14.58	23.00
6845MHz	14.24	23.00
802.11ax HEW80-BF_Nss1,(MCS4)_4TX	-	-
5985MHz	13.48	23.00
6225MHz	12.71	23.00
6385MHz	12.94	23.00
6625MHz	12.44	23.00
6705MHz	12.71	23.00
6785MHz	13.76	23.00
802.11ax HEW160-BF_Nss1,(MCS4)_4TX	-	-
6025MHz	9.42	23.00
6185MHz	8.31	23.00
6345MHz	8.15	23.00
6665MHz	8.58	23.00

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;
Inf = There's no restriction for the limit.

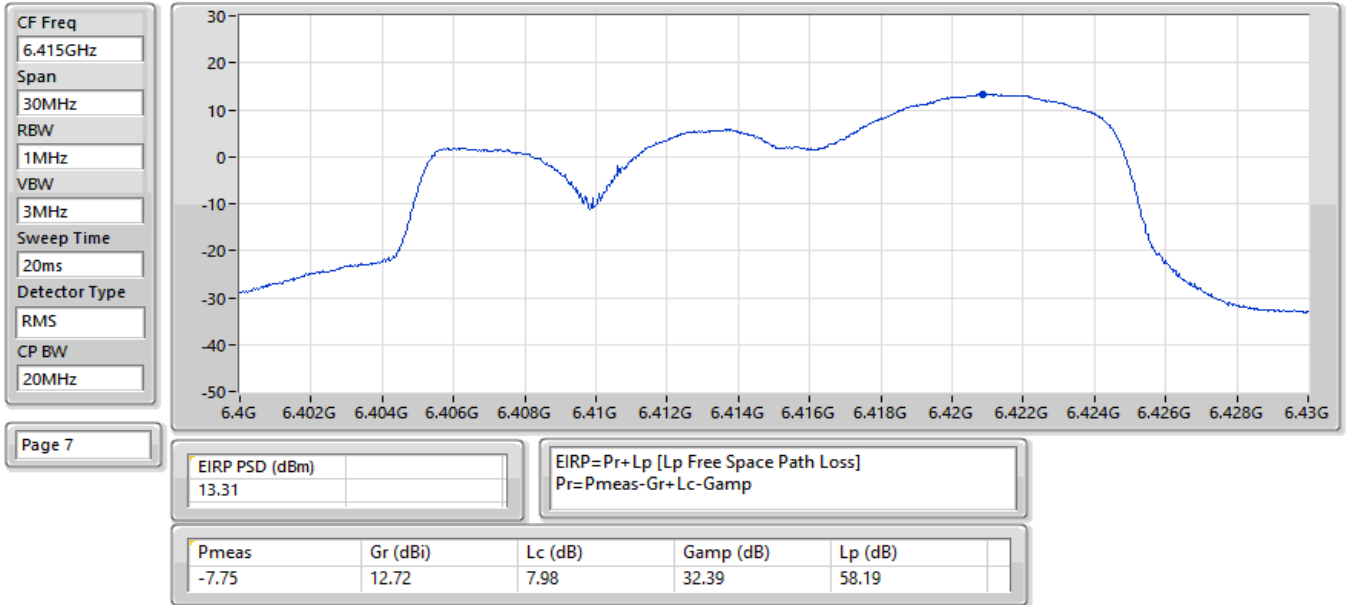
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:5955MHz;TX



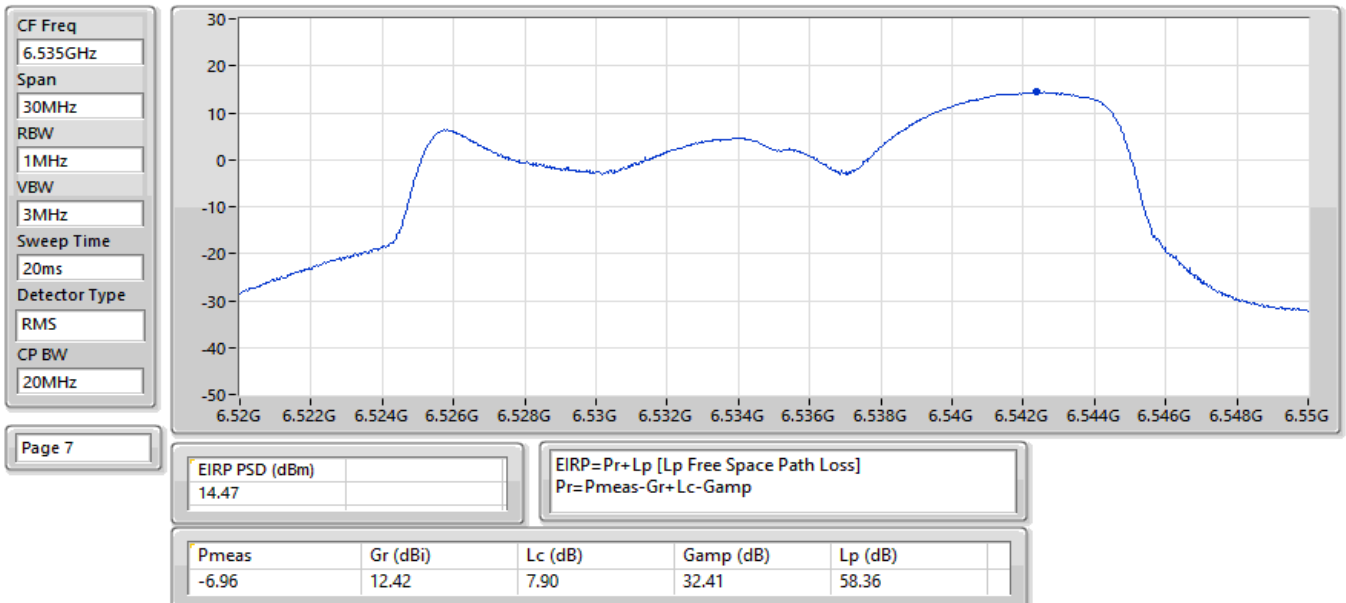
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6195MHz;TX



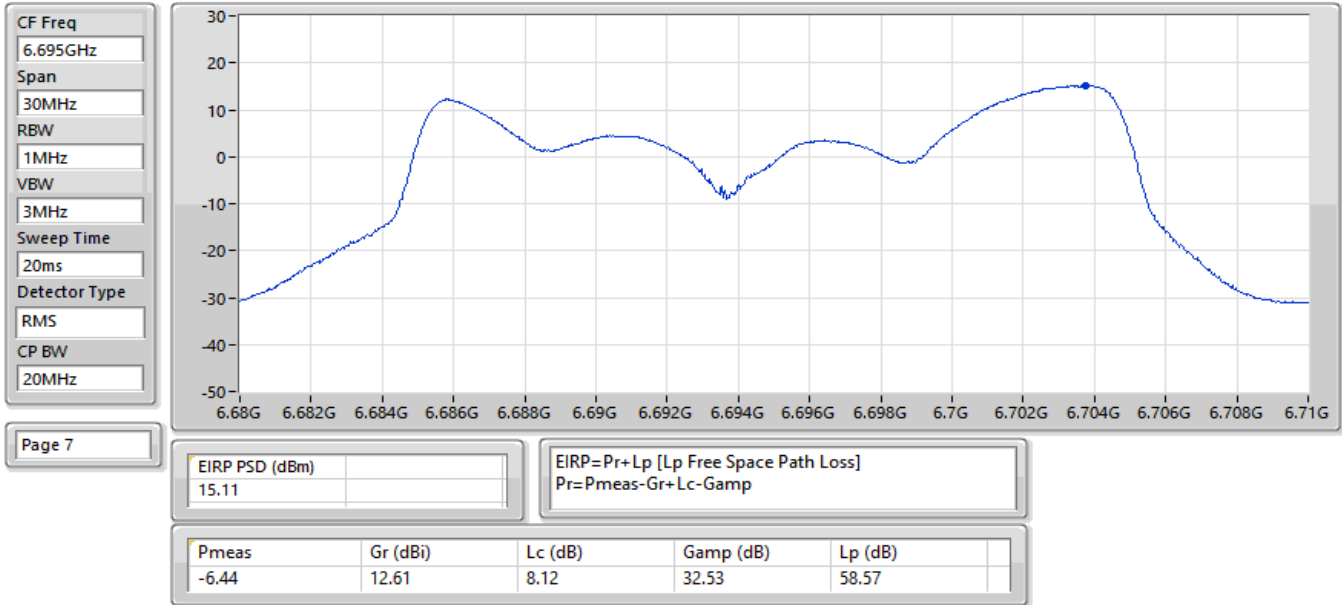
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6415MHz;TX



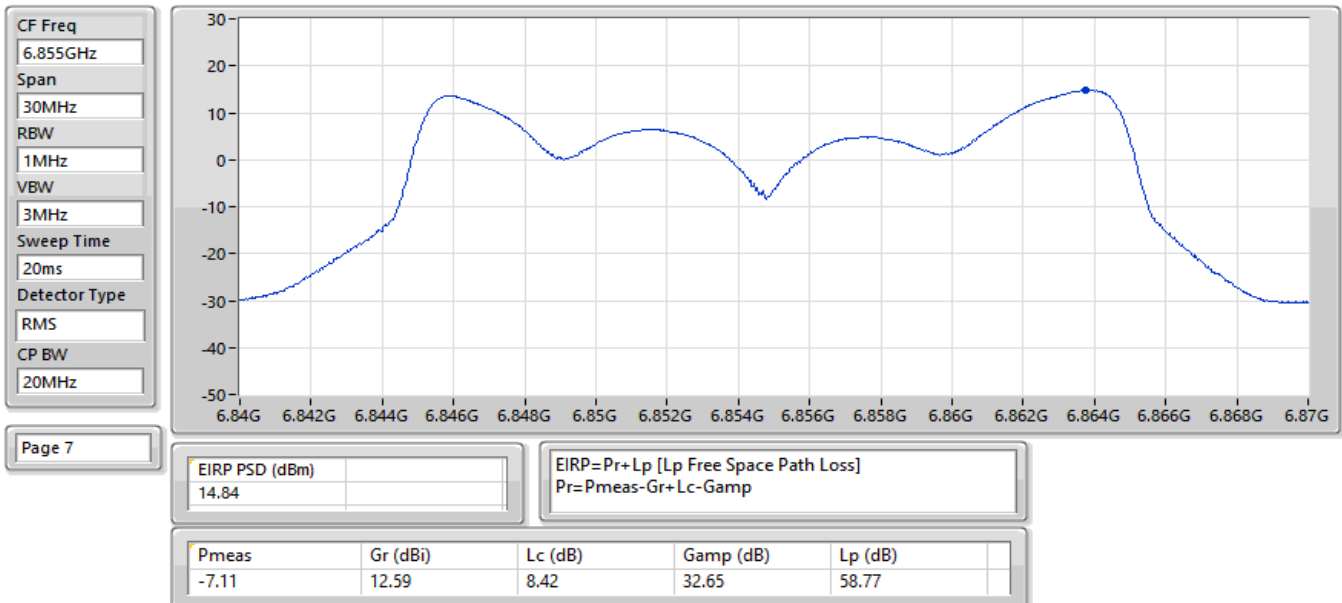
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6535MHz;TX



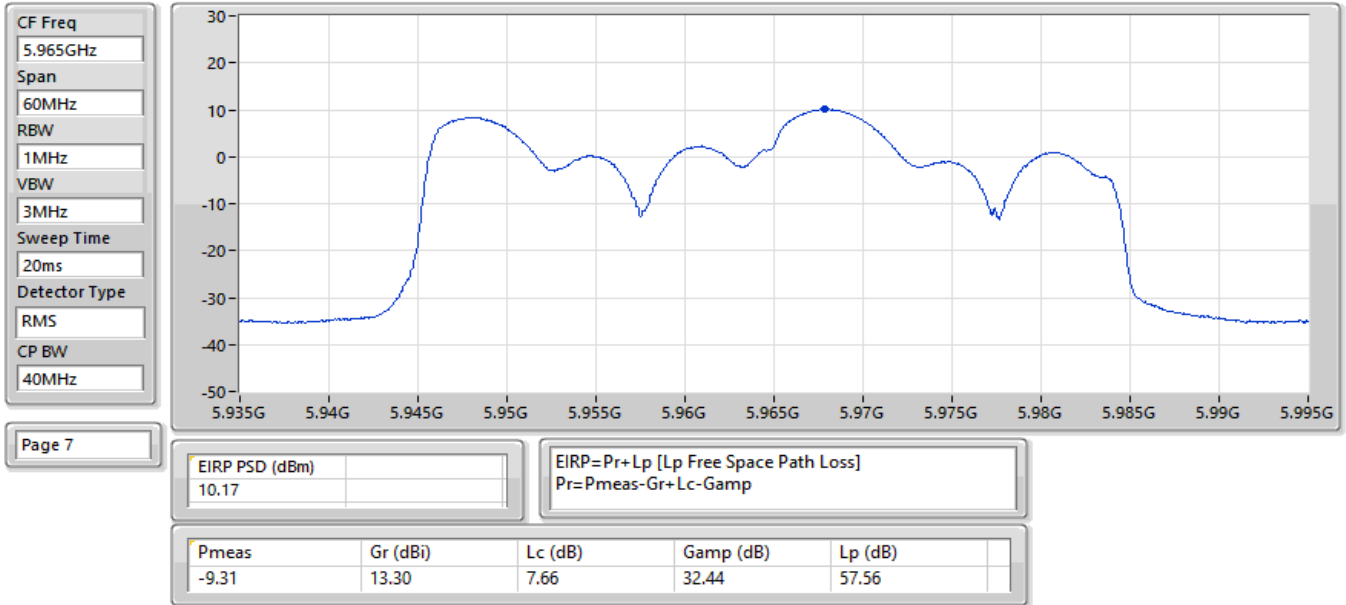
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6695MHz;TX



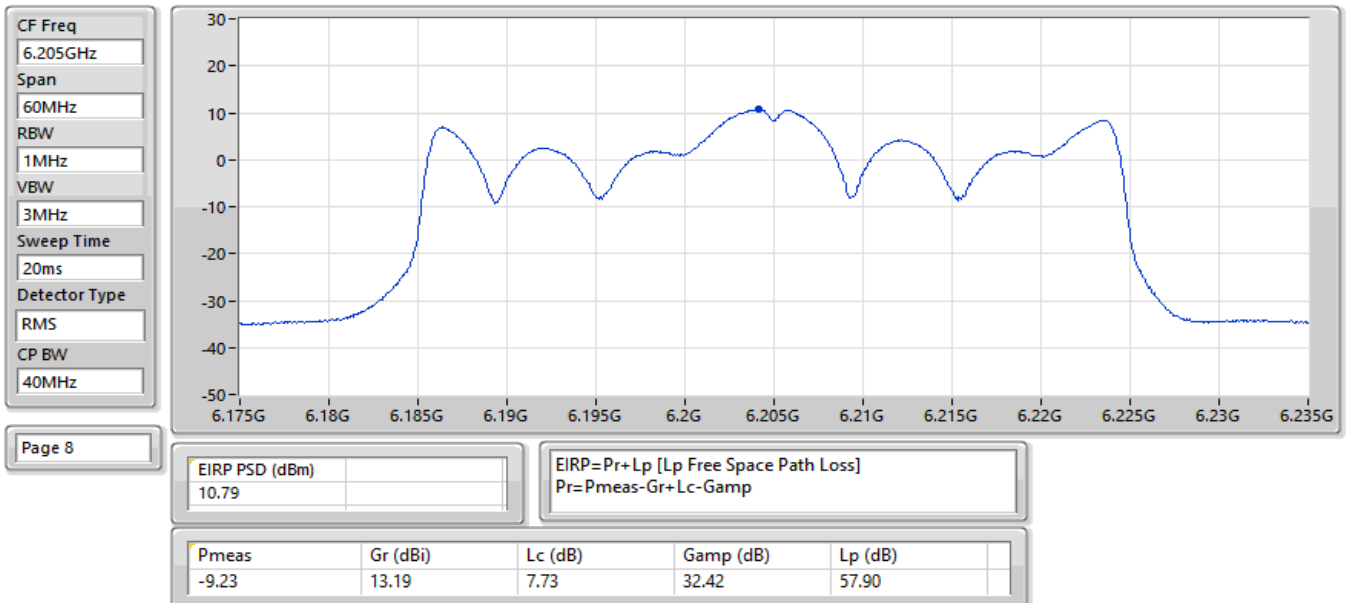
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:4;Ch:6855MHz;TX



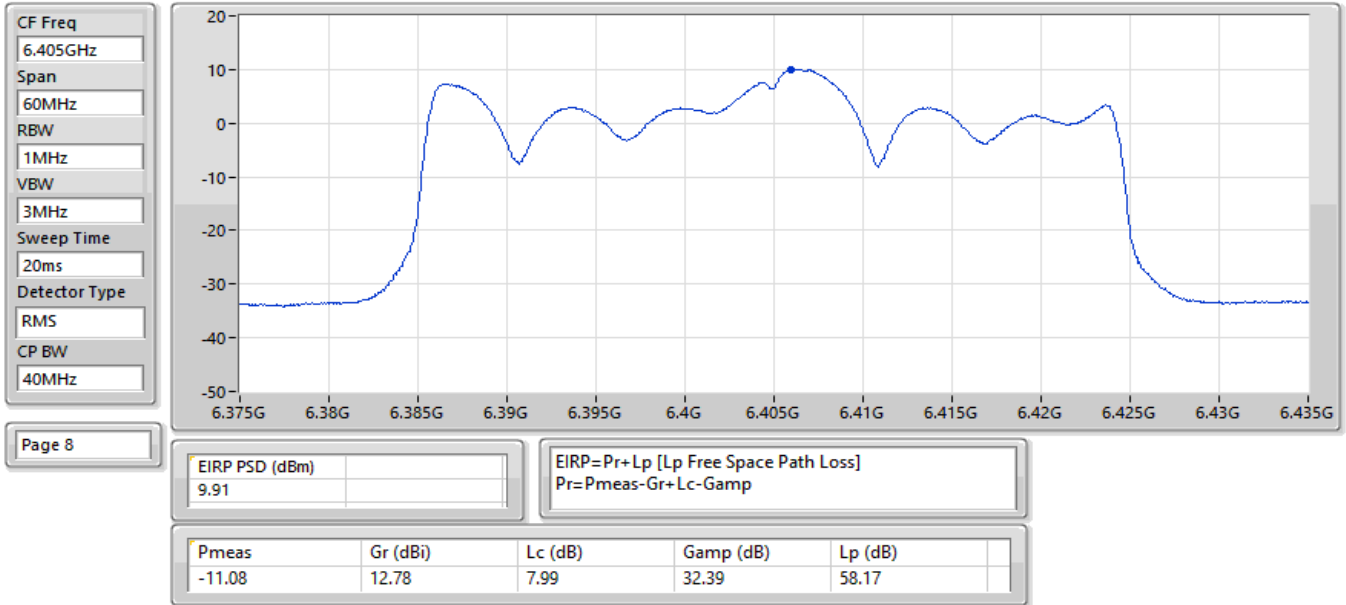
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:5965MHz;TX



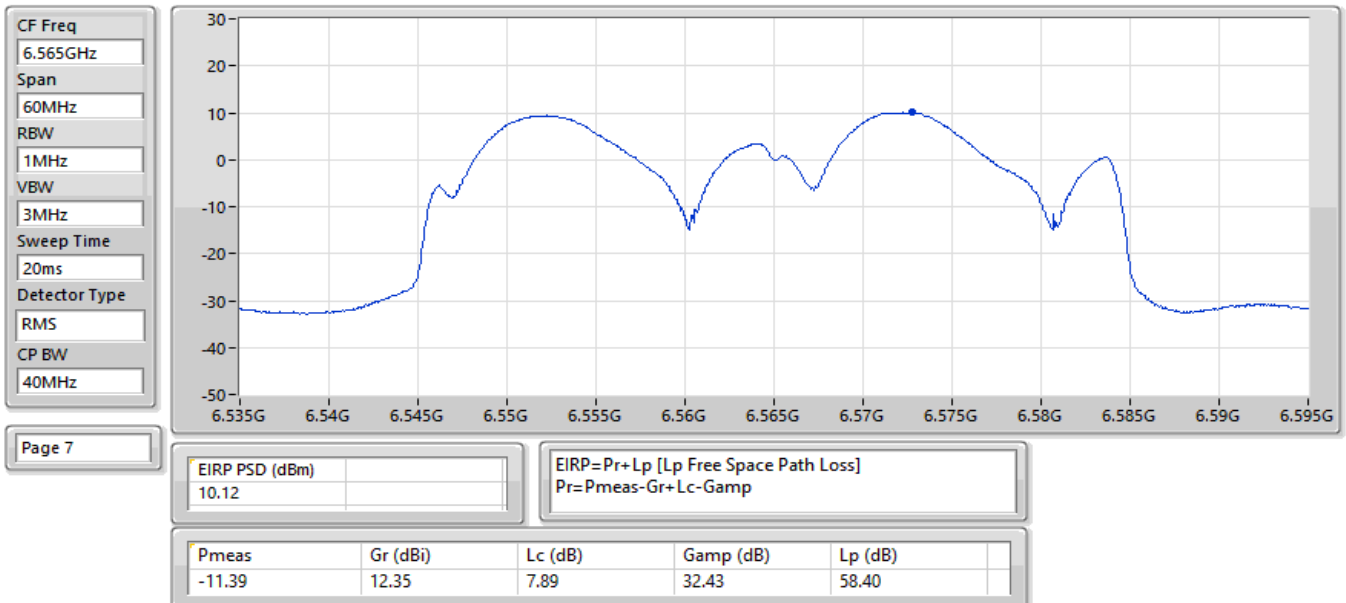
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6205MHz;TX



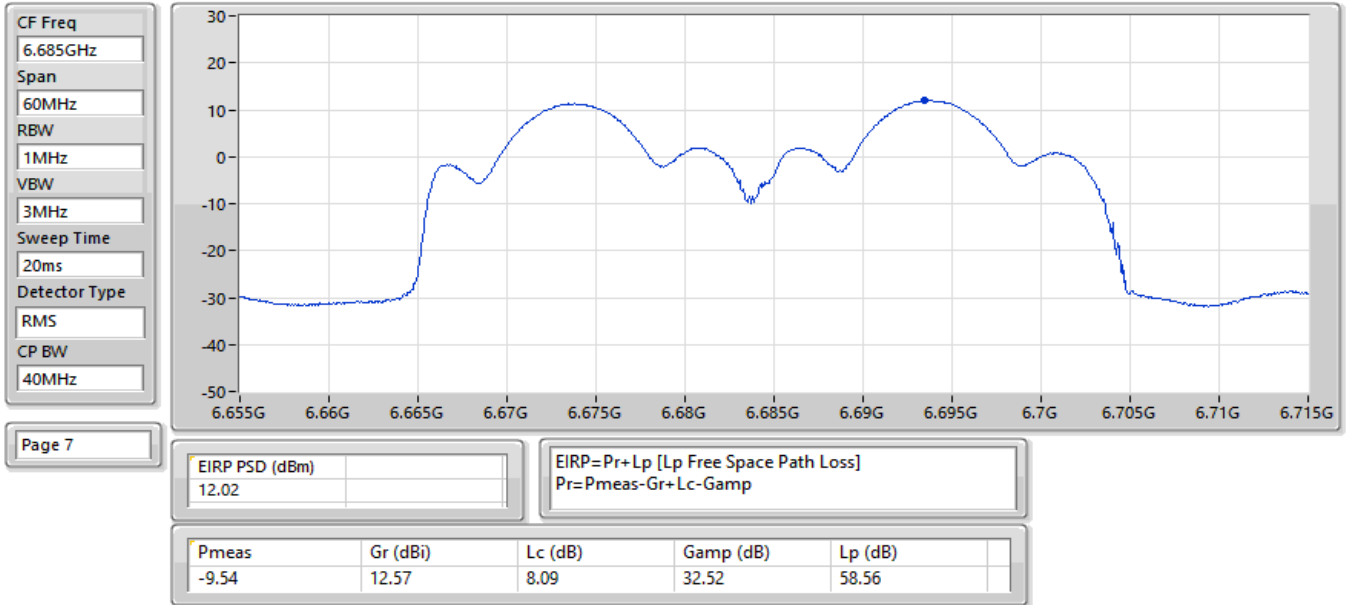
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6405MHz;TX



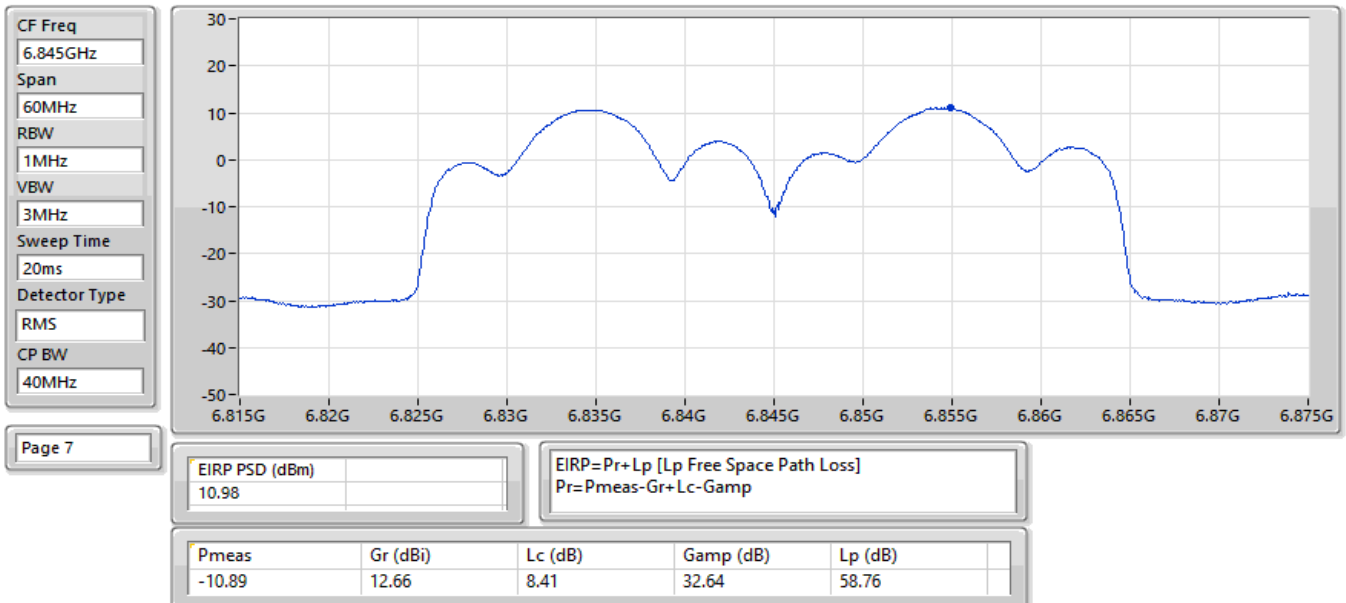
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6565MHz;TX



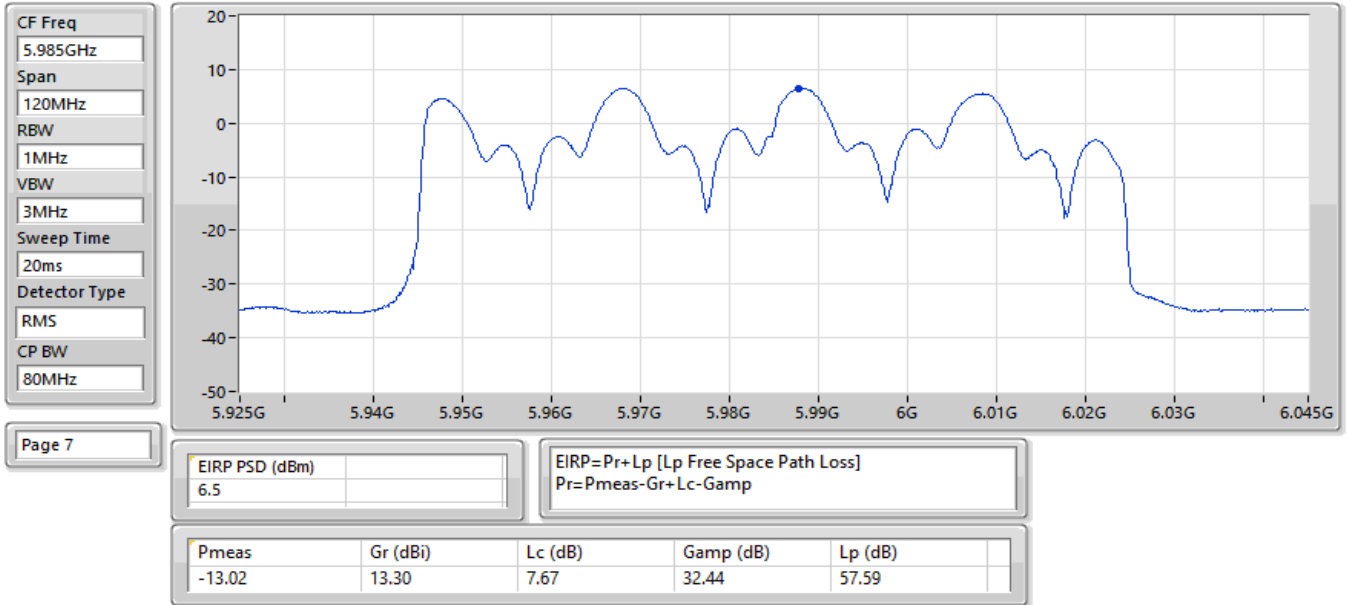
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6685MHz;TX



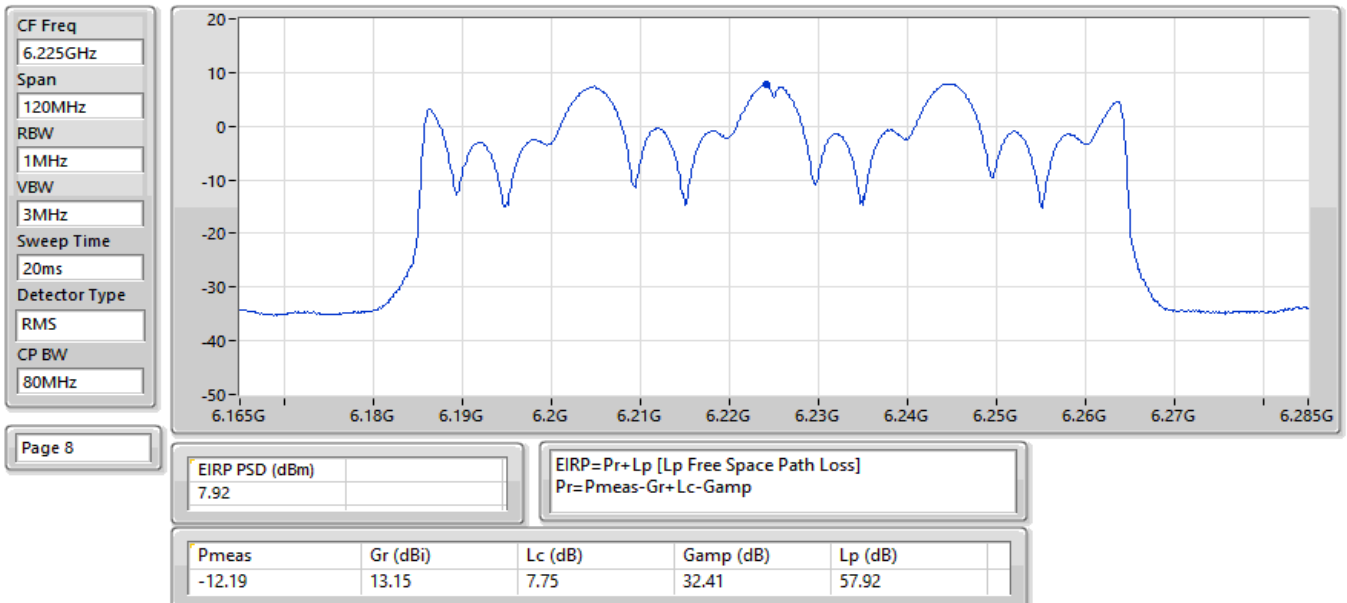
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:4;Ch:6845MHz;TX



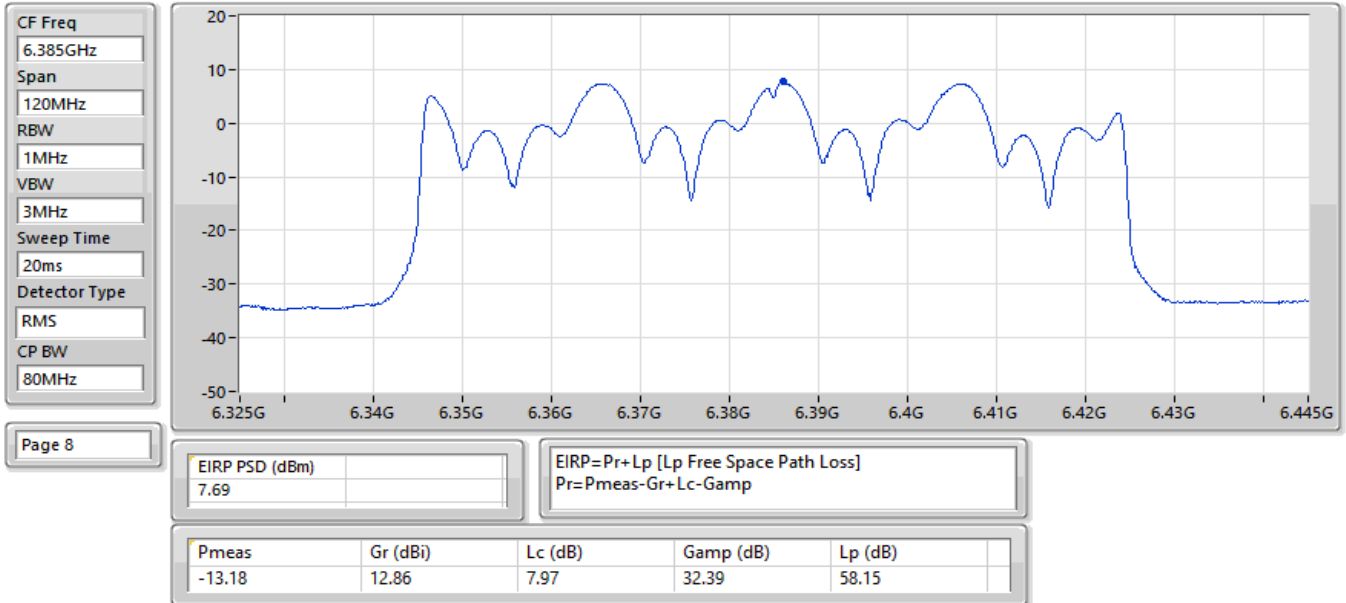
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:5985MHz;TX



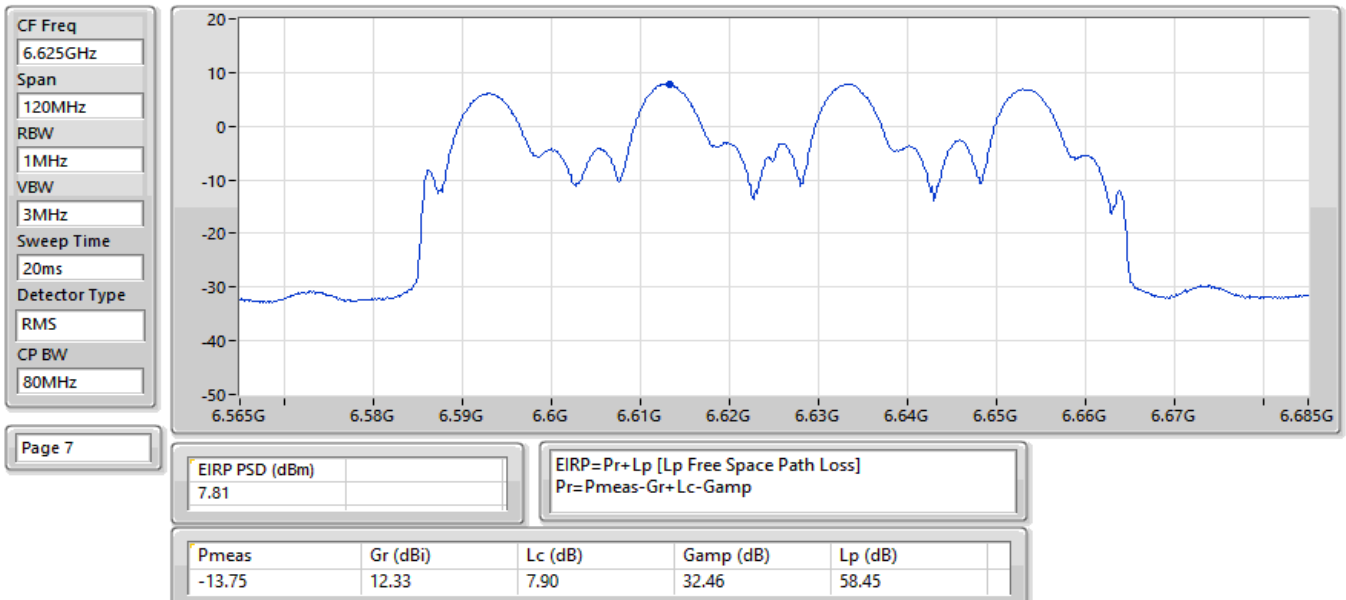
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6225MHz;TX



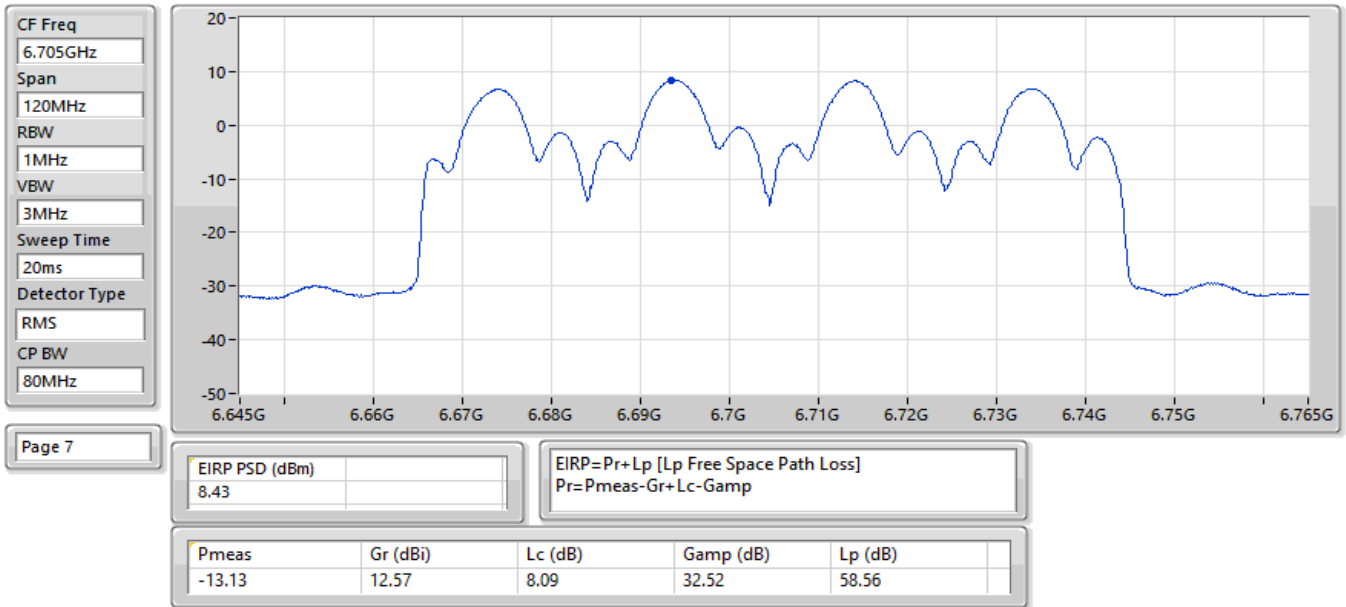
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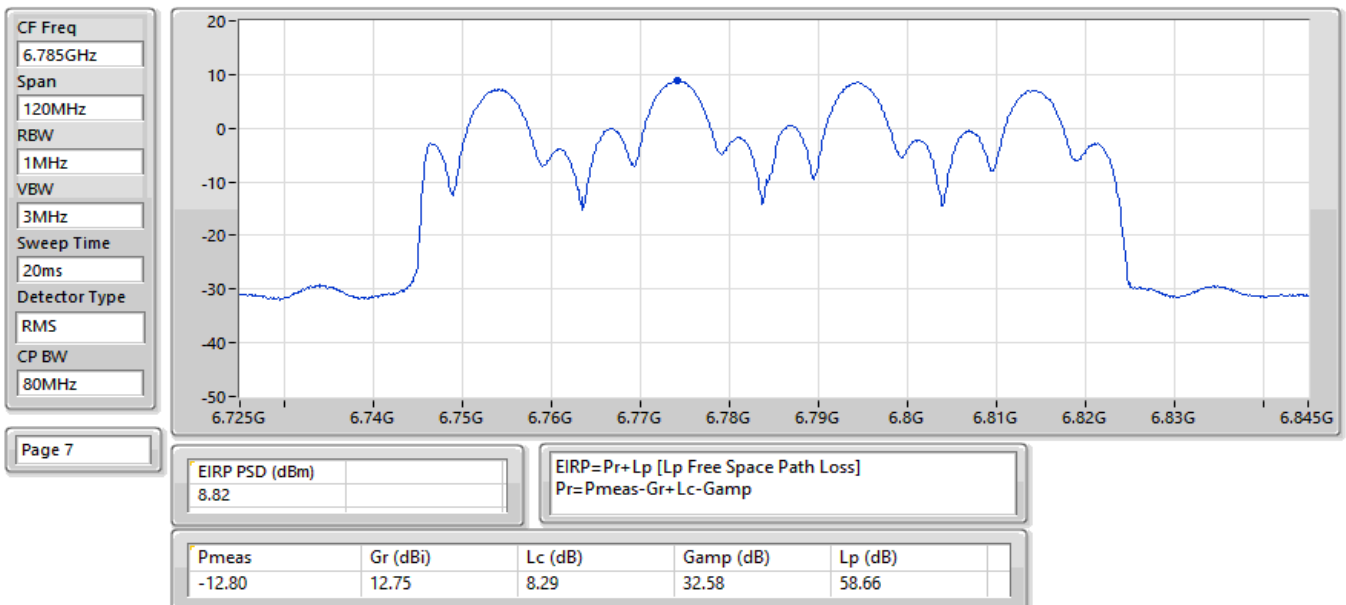
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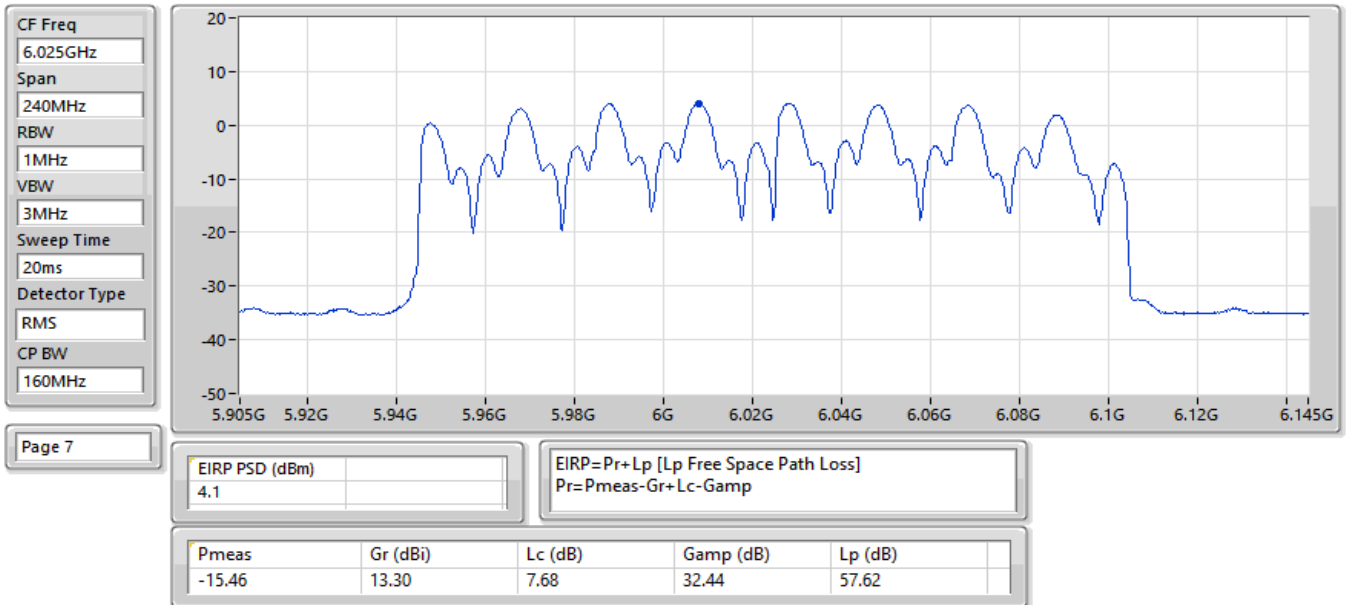
EIRP PSD;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:4;Ch:6705MHz;TX



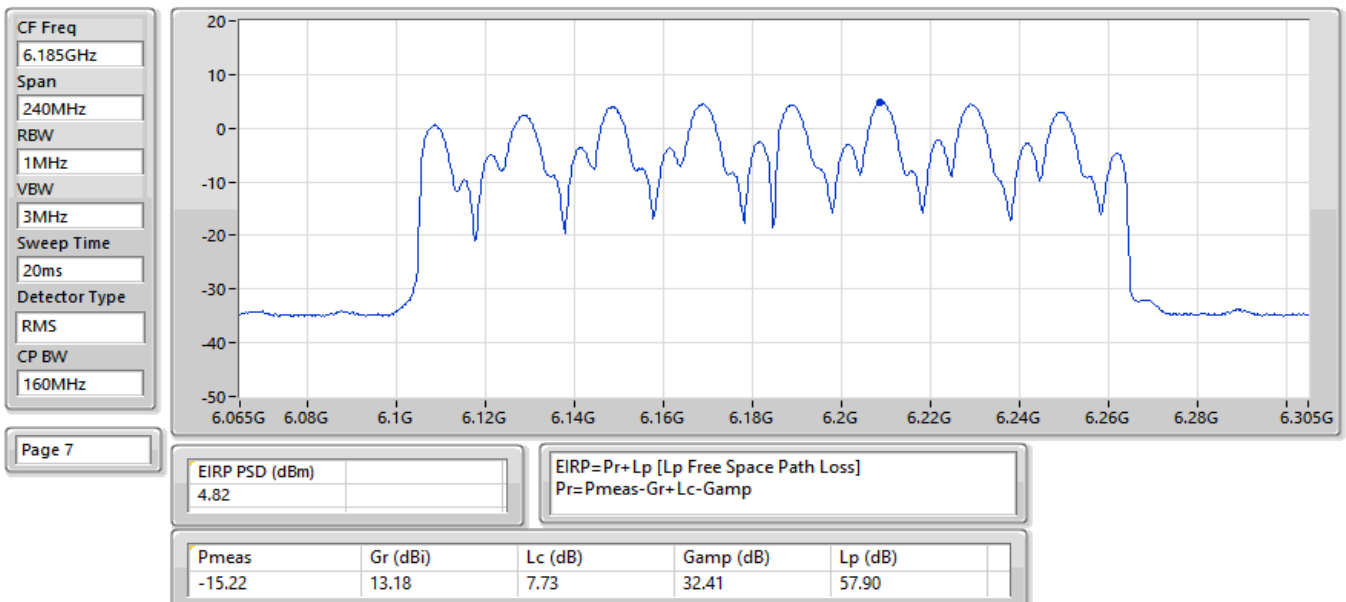
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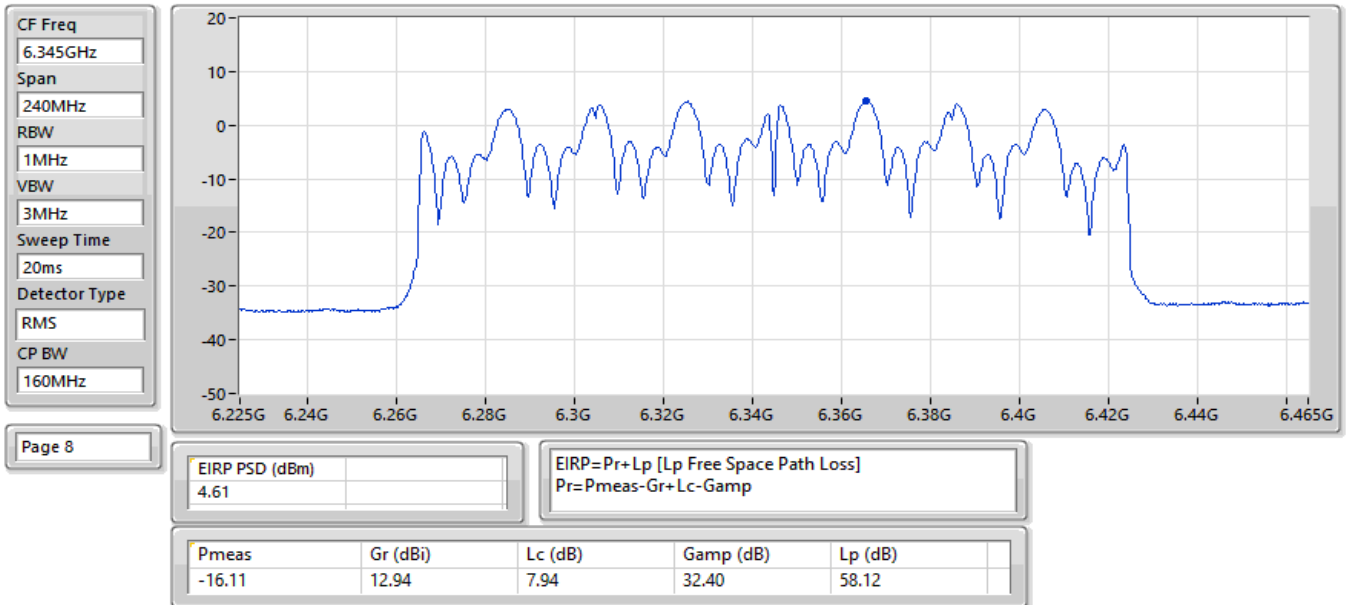
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6025MHz;TX



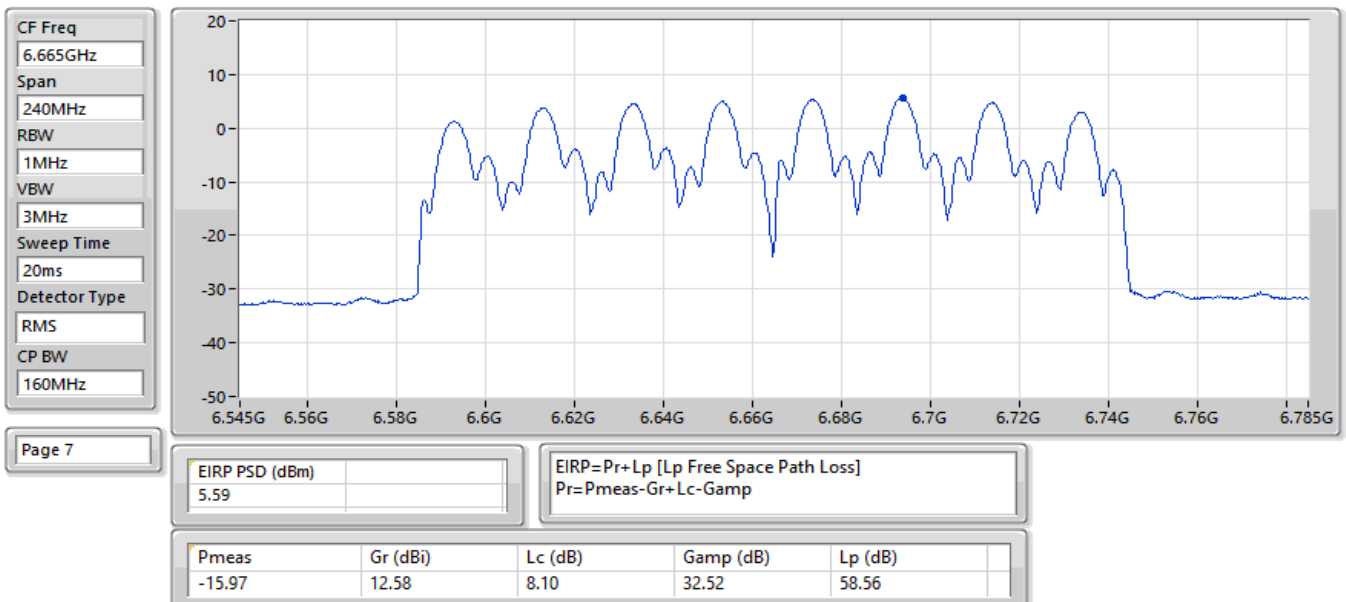
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6185MHz;TX



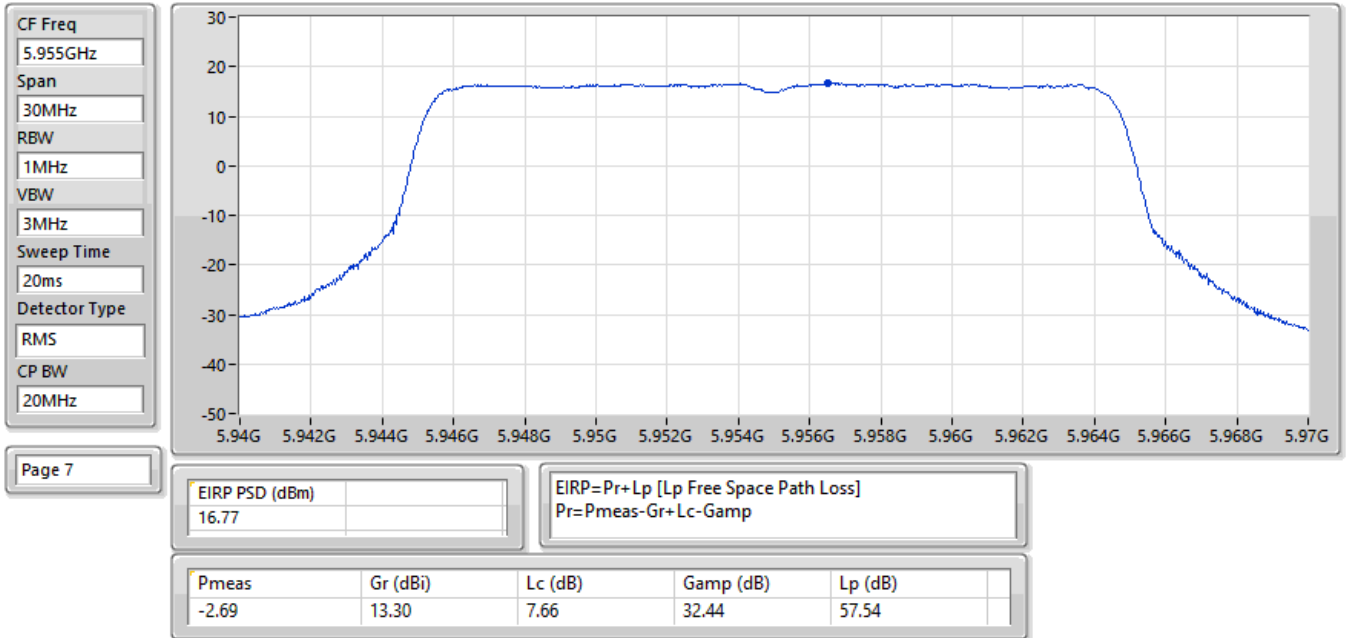
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:4;Ch:6345MHz;TX



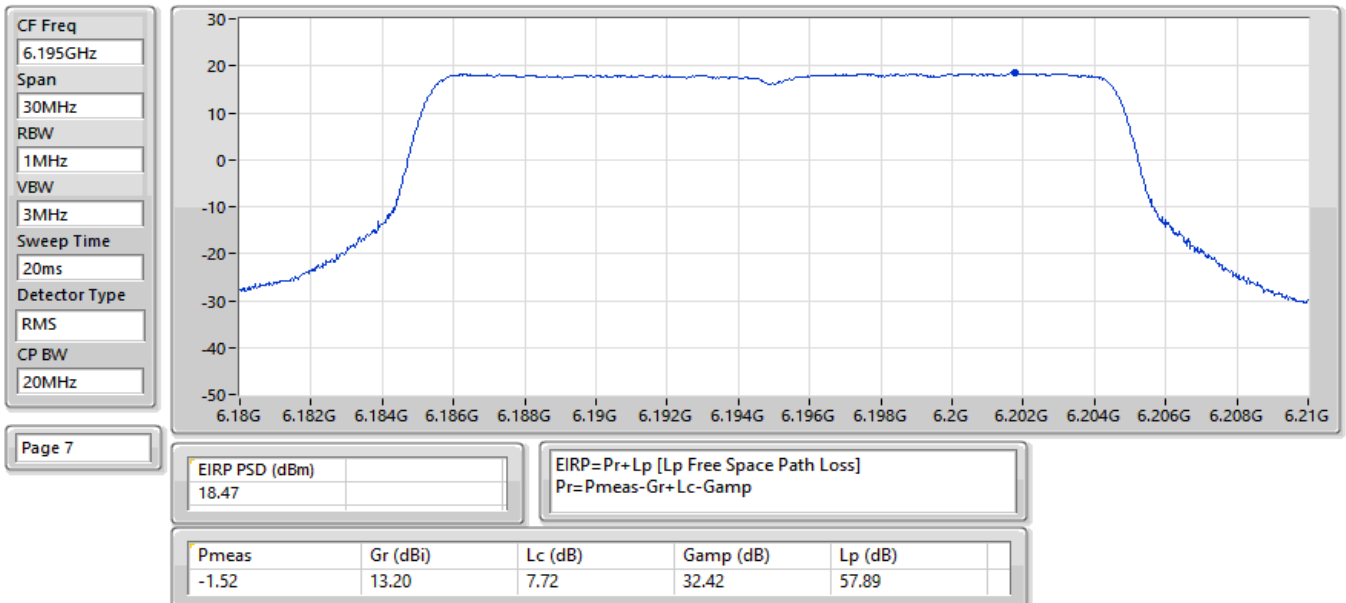
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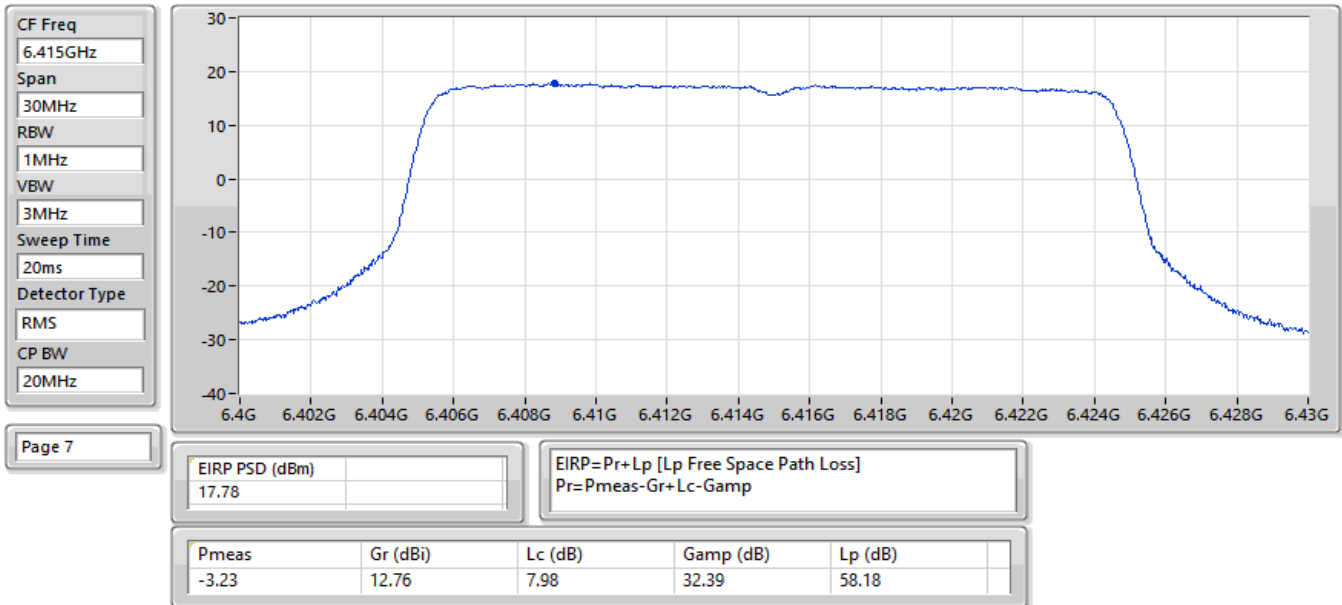
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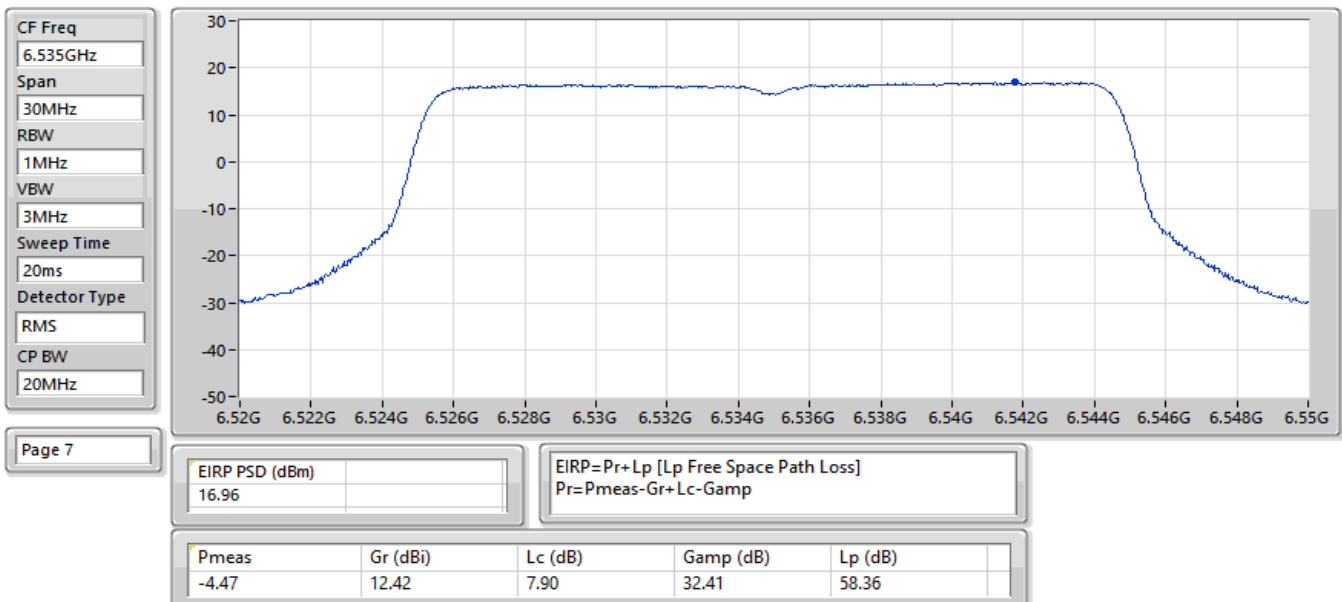
EIRP PSD;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6195MHz;TX



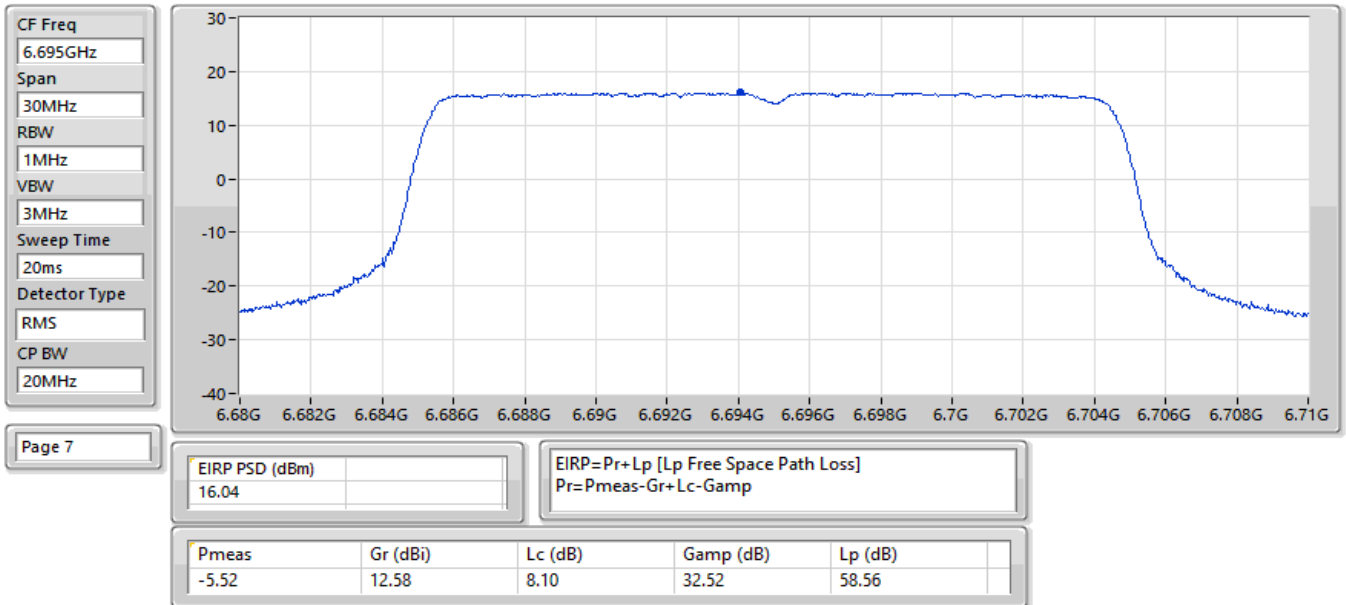
EIRP PSD;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6415MHz;TX



EIRP PSD;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6535MHz;TX



EIRP PSD;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6695MHz;TX



EIRP PSD;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M4);Nant:4;Ch:6855MHz;TX

