Testing Laboratory 3787

RADIO TEST REPORT

FCC ID	:	UDX-600191010
Equipment	:	Catalyst Wireless 9163E Series Wi-Fi 6E Access Point
Brand Name	:	CISCO
Model Name	:	CW9163E-B, CW9163E-MR
Applicant	:	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Manufacturer	:	Cisco Systems, Inc. 170 West Tasman Drive, San Jose, CA 95134 USA
Standard	:	47 CFR FCC Part 15.407

The product was received on Apr. 17, 2023, and testing was started from Apr. 17, 2023 and completed on Sep. 18, 2023. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

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History of this test report

Report No.	Version	Description	Issued Date
FR340101-02AA	01	Initial issue of report	Feb. 06, 2024

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 Isotopically Radiated Power (E.I.R.P.)	PASS	-
3.4	15.407(a)	Peak Power Spectral Density (E.I.R.P.)	PASS	-
3.5	15.407(b)	Unwanted Emissions	PASS	-
-	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/manufacturer who shall bear all the risks of non-compliance that may potentially occur if measurement uncertainty is taken into account. 2. The measurement uncertainty please refer to each test result in the chapter "Measurement Uncertainty".
Disclaimer:
The product specifications of the EUT presented in the test report that may affect the test assessments are declared by the manufacturer who shall take full responsibility for the authenticity.

Reviewed by: Sam Chen
Report Producer: Cathy Chiu

1 General Description

1.1 Information

1.1.1 RF General Information

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

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

1.1.2 Antenna Information

Ant.	2.4GHz Port	5GHz Port	6GHz Port	Bluetooth / Zigbee	GPS	Brand	Model Name	Antenna Type	Connector	Remark	Gain (dBi)
1	2	2	-	-	-	CISCO	CW-ANT-O1-NS-00	Dipole	N-Type	External Antenna	Note 1
2	1	1	-	-	-	CISCO	CW-ANT-O1-NS-00	Dipole	N-Type	External Antenna	
3	-	-	1	-	-	CISCO	CW-ANT-O1-NS-00	Dipole	N-Type	External Antenna	
4	-	-	2	-	-	CISCO	CW-ANT-O1-NS-00	Dipole	N-Type	External Antenna	
5	1	1	1	-	-	AWAN	A8M6P-100005	PIFA	N-Type	Internal Antenna	
6	-	-	-	1	-	AWAN	A8M6P-100003	PIFA	N-Type	Internal Antenna	
7	-	-	-	-	1	AWAN	A8M6P-100004	PIFA	N-Type	Internal Antenna	
8	-	-	-	-	2	CISCO	CW-ANT-GPS2-S-00	Patch	SMA	External Antenna	

Note1:

Ant.	Gain (dBi)								
	2.4GHz	5GHz UNII 1	5GHz UNII 2A	5GHz UNII 2C	5GHz UNII 3	6GHz UNII 5	6GHz UNII 7	Bluetooth / Zigbee	GPS
1	4	8	8	8	8	-	-	-	-
2	4	8	8	8	8	-	-	-	-
3	-	-	-	-	-	8	8	-	-
4	-	-	-	-	-	8	8	-	-
5	4.9	3	3	3.1	3	2.8	3.2	-	-
6	-	-	-	-	-	-	-	5.7	-
7	-	-	-	-	-	-	-	-	3.7
8	-	-	-	-	-	-	-	-	3.18

Note2: The above information was declared by manufacturer.

Note3: Directional gain information

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

Ex.

Directional Gain (NSS1) formula : $DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{sp}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

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

gj,k =(Nss1(g1,1) + Nss1(g1,2))^2

DG = 10 log[(Nss1(g1,1) + Nss1(g1,2))^2 / N_{ANT}] => 10 log[($10^{G1/20}$ + $10^{G2/20}$)^2 / N_{ANT}]

Where ;

Dipole

2.4G G1= 4 dBi ; G2= 4 dBi ;DG= 7.01dBi

5G G1= 8 dBi ; G2= 8 dBi ;DG= 11.01dBi

<For Radio 1 (2.4GHz/5GHz/6GHz Functions)>

IEEE 802.11a/b/g/n/VHT/ax

For 1TX/2RX:

The EUT supports the antenna with TX diversity functions.

Both Port 1 and Port 2 support transmit and receive functions, but only one of them will be used to transmit at one time.

For 2TX/2RX:

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

Port 1 and Port 2 could transmit/receive simultaneously.

<For Scanning Radio 2 (2.4GHz/5GHz/6GHz Functions)>

IEEE 802.11a/b/g/n/VHT/ax

For 1TX/1RX:

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

<For Radio 3 / Bluetooth/Zigbee Functions>

For 1TX/1RX:

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

<For Radio 4 / GPS Functions>

For 1RX:

The EUT supports the antenna with RX diversity functions.

Both Port 1 and Port 2 support receive functions, but only one of them will be used to receive at one time.

1.1.3 Mode Test Duty Cycle

For Radio 1
For 1TX (port1, port2)

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.794	1	5.452m	300
802.11ax HEW40	0.775	1.11	5.452m	300
802.11ax HEW80	0.794	1	5.452m	300
802.11ax HEW160	0.809	0.92	5.452m	300

For 2TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.794	1	5.452m	300
802.11ax HEW20-BF	0.941	0.26	3.441m	300
802.11ax HEW40	0.775	1.11	5.452m	300
802.11ax HEW40-BF	0.945	0.25	3.441m	300
802.11ax HEW80	0.794	1	5.452m	300
802.11ax HEW80-BF	0.943	0.25	3.693m	300
802.11ax HEW160	0.809	0.92	5.452m	300
802.11ax HEW160-BF	0.964	0.16	3.893m	300

For Scanning Radio 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.766	1.16	5.446m	300
802.11ax HEW40	0.809	0.92	5.446m	300
802.11ax HEW80	0.765	1.16	5.446m	300
802.11ax HEW160	0.768	1.15	5.446m	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/ax in 2.4GHz, n/ac/ax in 5GHz and ax in 6GHz.			
Device Type	☐	Indoor Access Point	☐	Subordinate
	☐	Indoor Client	☒	Standard Power Access Point
	☐	Dual Client	☐	Standard Client
	☐	Fixed Client		
Channel Puncturing Function	☐	Supported	☒	Unsupported
Support RU	☒	Full RU	☐	Partial RU
Test Software Version	QSPR Version 5.0-00202			

Note: The above information was declared by manufacturer.

1.1.5 Table for Multiple Listing

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

Model Name	SW
CW9163E-B	Cisco
CW9163E-MR	Meraki

Note 1: From the above models, model: CW9163E-B 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.

1.1.6 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: 340101

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

Modifications	Performance Checking
Adding 6GHz UNII 5 and UNII 7 (5925~6425 MHz, 6525~6875 MHz) for this device.	1. AC Power-line Conducted Emissions 2. Emission Bandwidth 3. Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) 4. Peak Power Spectral Density (E.I.R.P.) 5. Unwanted Emissions

1.1.7 Table for Radio Function

Radio	Support Band
1	2.4GHz / 5GHz UNII 1~UNII 3 / 6GHz UNII5 , UNII 7
2	Scanning 2.4GHz / 5GHz UNII 1~UNII 3 / 6GHz UNII5 , UNII 7
3	Bluetooth / Zigbee
4	GPS

Note1: The above information was declared by manufacturer.

Note2: The Radio 1 and Radio 2 can't be operated simultaneously.

1.1.8 Table for EUT Information

EUT	RJ-45 Connector	Console Connector
1	Brand Name: UDE Model Name: R66-MK-3001	Brand Name: UDE Model Name: R66-MK-2001
2	Brand Name: ODS Model Name: CMK-RJ45-CAP	Brand Name: ODS Model Name: CMK-RJ45-CG

Note1: From the above EUTs, EUT 1 was selected as representative EUT for all the tests.

Note2: The above information was declared by manufacturer.

1.1.9 Table of Serial Number

Test items	Serial Number
For 2.4GHz / 5GHz (As below for Non Beamforming mode) 1. Maximum Conducted Output Power	DSM2711000W
(As below for Beamforming mode) 2. Maximum Conducted Output Power	DSM2711001S
For Bluetooth 3. Maximum Conducted Output Power	DSM2711000B
For Zigbee 4. Maximum Conducted Output Power	DSM27110013

Note: The above information was declared by manufacturer.

1.2 Applicable Standards

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

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

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

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

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Eason Chen	22.9~24 / 61~63	Apr. 17, 2023~ Jun. 06, 2023
Radiated (below 1GHz)	03CH01-CB	Roy Mai	21.7~22.9 / 58~62	Apr. 17, 2023~ Sep. 13, 2023
Radiated (E.I.R.P. Power/PSD/above 1GHz)	03CH01-CB	Roy Mai	21.7~22.9 / 58~62	Apr. 17, 2023~ Sep. 13, 2023
	03CH02-CB	Roy Mai	22.3~22.9 / 57~63	Apr. 17, 2023~ Sep. 13, 2023
AC Conduction	CO02-CB	Elvin Yeh	22~23 / 50~51	Sep. 18, 2023

1.4 Measurement Uncertainty

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

Test Date: Date Before Jun. 01, 2023

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

Test Date: Date After May 31, 2023

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	3.4 dB	Confidence levels of 95%
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%
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	2.2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1
For 1TX (port1)

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	24.5
6195MHz	24.5
6415MHz	24.5
6535MHz	19.5
6695MHz	19.5
6855MHz	19.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	21.5
6205MHz	23.5
6405MHz	23.5
6565MHz	19.5
6685MHz	19.5
6845MHz	19
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	21.5
6225MHz	23.5
6385MHz	23.5
6625MHz	19.5
6705MHz	19.5
6785MHz	19.5
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	22
6185MHz	23.5
6345MHz	23
6665MHz	19.5

For 1TX (port2)

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	25
6195MHz	25.5
6415MHz	26.5
6535MHz	20.5
6695MHz	21
6855MHz	21
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	22.5
6205MHz	25
6405MHz	25.5
6565MHz	20
6685MHz	20.5
6845MHz	20.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	22
6225MHz	25.5
6385MHz	26
6625MHz	21
6705MHz	20.5
6785MHz	21
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	22
6185MHz	24.5
6345MHz	25
6665MHz	20.5

For 2TX
For Non-beamforming mode

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5955MHz	21
6195MHz	21
6415MHz	20.5
6535MHz	16
6695MHz	16.5
6855MHz	16.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5965MHz	20.5

Mode	Power Setting
6205MHz	21
6405MHz	20.5
6565MHz	16
6685MHz	16
6845MHz	16.5
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5985MHz	20.5
6225MHz	20.5
6385MHz	20.5
6625MHz	16
6705MHz	16
6785MHz	16.5
802.11ax HEW160_Nss1,(MCS0)_2TX	-
6025MHz	20.5
6185MHz	21
6345MHz	20.5
6665MHz	16

For Beamforming mode

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5955MHz	20
6195MHz	21
6415MHz	20
6535MHz	17
6695MHz	16
6855MHz Straddle 6.525-6.875GHz	16
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5965MHz	19
6205MHz	20
6405MHz	20
6565MHz	16
6685MHz	16
6845MHz Straddle 6.525-6.875GHz	16
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5985MHz	19
6225MHz	20
6385MHz	20
6625MHz	16

Mode	Power Setting
6705MHz	16
6785MHz	16
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
6025MHz	20
6185MHz	20
6345MHz	20
6665MHz	16

For Scanning Radio 2

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	23.5
6195MHz	23.5
6415MHz	24.5
6535MHz	19
6695MHz	19
6855MHz	18.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	22.5
6205MHz	25
6405MHz	25
6565MHz	20
6685MHz	20
6845MHz	19.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	22
6225MHz	25
6385MHz	25.5
6625MHz	19.5
6705MHz	19
6785MHz	19.5
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	22.5
6185MHz	25
6345MHz	25
6665MHz	20

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	Normal Link
1. The EUT was performed testing at EUT 1 and EUT 2. The worst case was found from “EUT 1”. So the measurement will follow this same test configuration. 2. The EUT was performed testing at PoE 1, PoE 2, PoE 3, PoE 4 and PoE 5. The worst case was found from “PoE 3”. So the measurement will follow this same test configuration.	
1	EUT 1 + Radio 1 (6GHz) + PoE 3
2	EUT 1 + Scanning Radio 2 (6GHz) + PoE 3
For operating mode 1 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emission Bandwidth E.I.R.P. at any elevation angle above 30 degrees Emission MASK
Test Condition	Conducted measurement at transmit chains
1	EUT 1 + Radio 1
2	EUT 1 + Scanning Radio 2

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

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
1. After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration. 2. The EUT was performed testing at EUT 1 and EUT 2. The worst case was found from “EUT 1”. So the measurement will follow this same test configuration. 3. The EUT was performed testing at PoE 1, PoE 2, PoE 3, PoE 4 and PoE 5. The worst case was found from “PoE 5”. So the measurement will follow this same test configuration.	
1	EUT 1 in Y axis + Radio 1 (6GHz) + PoE 5
2	EUT 1 in Y axis + Scanning Radio 2 (6GHz) + PoE 5
For operating mode 1 is the worst case and it was record in this test report.	
Operating Mode > 1GHz	CTX
After evaluating, the worst case was found at Y axis. So the measurement will follow this same test configuration.	
1	EUT 1 in Y axis + Radio 1
2	EUT 1 in Y axis + Scanning Radio 2

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 (WLAN 2.4GHz) + Radio 3 (Bluetooth)
2	Radio 1 (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 (WLAN 5GHz) + Radio 3 (Bluetooth)
3	Radio 1 (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 (WLAN 6GHz) + Radio 3 (Bluetooth)
4	Radio 1 (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 (WLAN 2.4GHz) + Radio 3 (Zigbee)
5	Radio 1 (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 (WLAN 5GHz) + Radio 3 (Zigbee)
6	Radio 1 (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 (WLAN 6GHz) + Radio 3 (Zigbee)
Refer to Sporton Test Report No.: FA340101-02 for Co-location RF Exposure Evaluation.	

Note: The PoEs are for measurement only, would not be marketed.

PoE information as below:

Power	Brand Name	Model Name
PoE 1	PHIHONG	POEA33U-1ATE
PoE 2	PHIHONG	POE60U-1BT-X
PoE 3	PHIHONG	POE29U-1AT(PL)
PoE 4	Delta	ADH-65AR B
PoE 5	Cisco	POEO75U-1BT

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 10 were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under QSPR.
3. Executed "Lantest.exe" to link with the remote workstation to transmit and receive packet by WLAN module and transmit duty cycle no less than 98%.

For Normal Link:

During the test, the EUT operation to normal function.

2.4 Accessories

Equipment	Brand Name	Model Name	Remark
Mount bracket 1*1	Meraki	MA-MNT-MR-16	Used for CW9163E-MR
Mount bracket 2*1	Cisco	AIR-MNT-VERT1	Used for CW9163E-B
Waterproof Covering (Cap) 1*1	UDE	R66-MK-3001	Used for EUT 1
Waterproof Covering (Cap) 2*1	ODS	CMK-RJ45-CAP	Used for EUT 2
Waterproof Covering (Cable Gland) 1*1	UDE	R66-MK-2001	Used for EUT 1
Waterproof Covering (Cable Gland) 2*1	ODS	CMK-RJ45-CG	Used for EUT 2

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN PC	DELL	T3400	N/A
B	PoE 3	PHIHONG	POE29U-1AT(PL)	N/A

For Radiated (below 1GHz), Radiated (E.I.R.P Power/PSD/above 1GHz)-Non-beamforming mode:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 5	Cisco	POEO75U-1BT	N/A
B	NB	DELL	E6430	N/A

For Radiated (E.I.R.P Power/PSD/above 1GHz)-Beamforming mode:

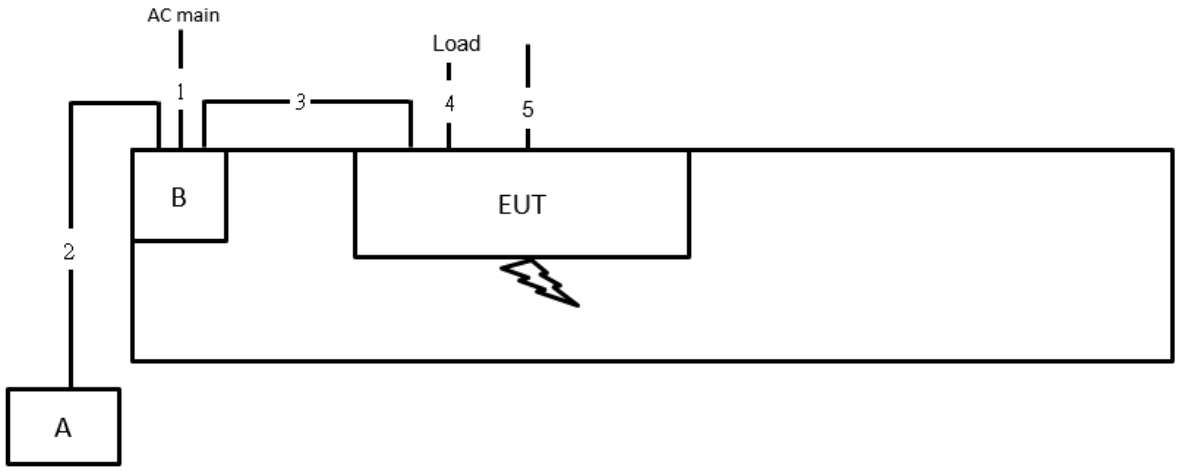
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 5	Cisco	POEO75U-1BT	N/A
B	NB	DELL	E6430	N/A
C	NB	DELL	E6430	N/A
D	WLAN module	Intel	AX210NGW	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	NB	DELL	E4300	N/A
B	PoE 4	Delta	ADH-65AR B	N/A

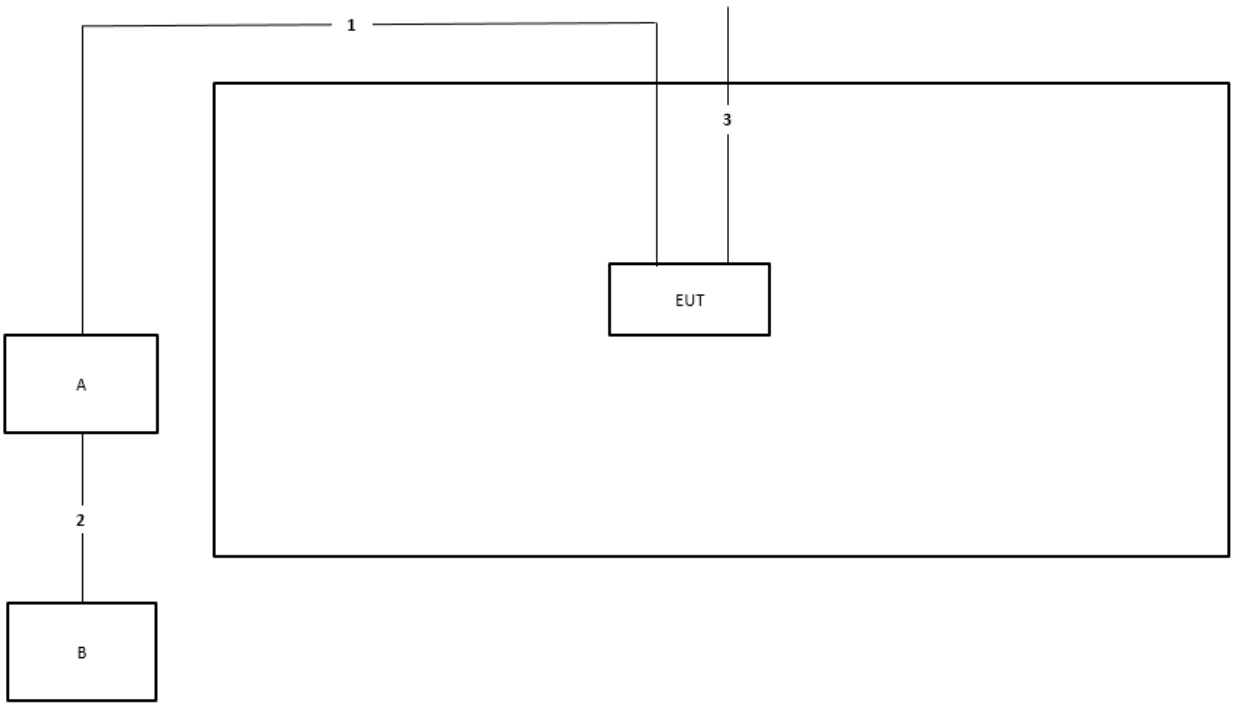
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



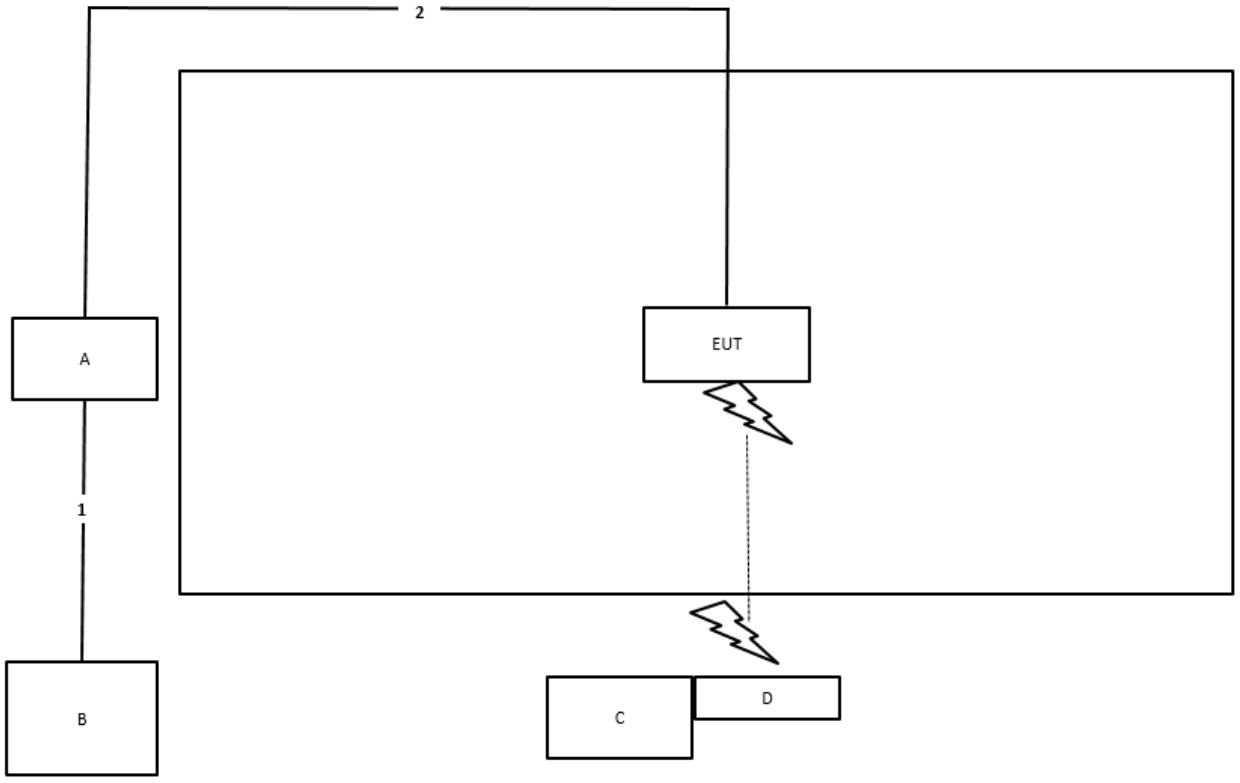
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1m
4	Console cable	No	1.8m
5	GND cable	No	1.5m

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



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

Test Setup Diagram - Radiated Test > 1GHz / Beamforming mode



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

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

3.1.2 Measuring Instruments

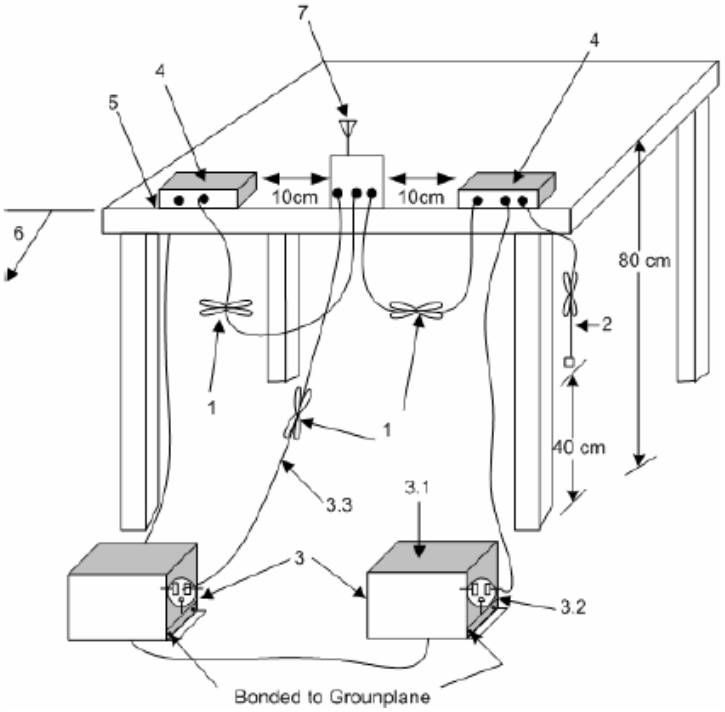
Refer a test equipment and calibration data table in this test report.

3.1.3 Test Procedures

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

3.1.4 Test Setup

AC Power-line Conducted Emissions



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:

a. Corrected Reading (dBuV) = LISN Factor + Cable Loss + Read Level = Level

b. Margin = - Limit + (Read Level + LISN Factor + Cable Loss)

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 Emission Bandwidth

3.2.1 Emission Bandwidth Limit

Emission Bandwidth Limit
UNII Devices
☒ 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

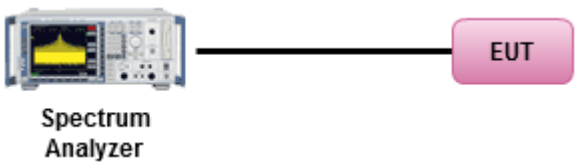
Refer a test equipment and calibration data table in this test report.

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

Emission Bandwidth



3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

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

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

Maximum Equivalent Isotopically 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 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 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 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (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.

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

EIRP(dBm) = PR(dBm) + LP(FSL factor)

where;
PR(dBm) : Power measurement level include antenna/cable loss
LP : Free Space Loss(dB)

PR Formula :
PR(dBm) = P Meas(dBm) – GR(dBi) + LC(dB)
where;
P Meas(dBm) : Power measurement level

GR(dBi) : Gain of the receive(measurement) antenna (dBi)
LC(dB) : Measurement cable loss (dB)

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

For Example:
Test mode HE20 Non BF 2T1S 5955MHz EIRP measurement
PR Formula :
PR(dBm)= -24.37 - 10.21 + 6.38 = -28.20

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

EIRP Formula :
EIRP(dBm) = -28.20 + 57.54 = 29.34

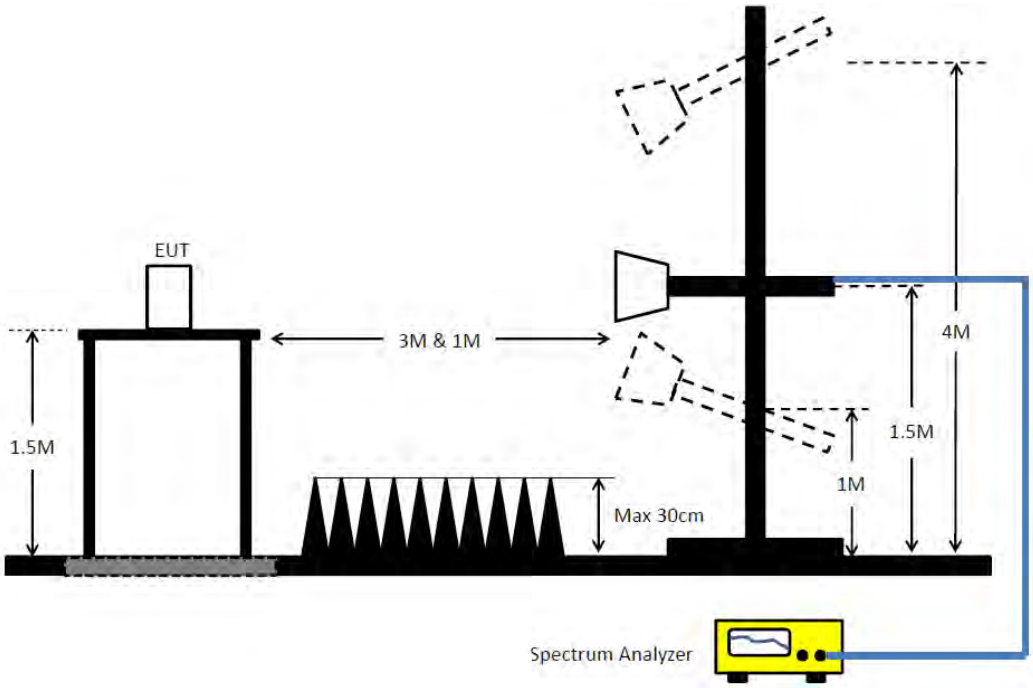
3.3.4 Test Setup

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

Conducted Measurement (Power Meter)


For E.I.R.P. Power:

Radiated Measurement



3.3.5 Test Result of Maximum Equivalent Isotopically 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 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 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: $PPSD_{total} = PPSD_1 + PPSD_2 + \ldots + PPSD_n$ (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.

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

Note :
The test is the final test result, It includes antenna /cable loss factor & FSL factor.
The EIRP PSD calculation refer to "KDB 412172 D01 Determining ERP and EIRP v01r01"
EIRP PSD Formula :
EIRP PSD(dBm/MHz) = PR(dBm/MHz) + LP(FSL factor)
where;
PR(dBm/MHz) : Power measurement level include antenna/cable loss
LP : Free Space Loss(dB)

PR Formula :
PR(dBm/MHz) = P Meas(dBm/MHz) – GR(dBi) + LC(dB)
where;
P Meas(dBm/MHz) : PSD measurement level
GR(dBi) : Gain of the receive(measurement) antenna (dBi)
LC(dB) : Measurement cable loss (dB)

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

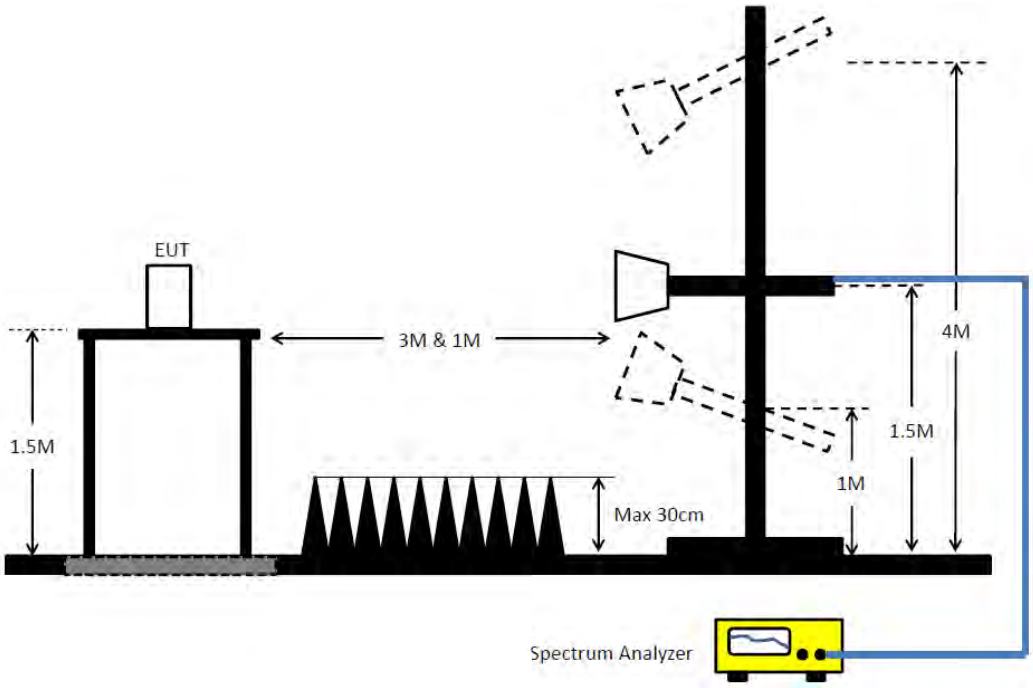
For Example:
Test mode HE20 Non BF 2T1S 5955MHz EIRP PSD measurement
PR Formula :
PR(dBm/MHz)= -33.76 - 10.21 + 6.38 = -37.59

LP(FSL factor) Formula :
LP(dB) = 20log(5953.5) + 20log(3) -27.5 = 57.54

EIRP PSD Formula
EIRP PSD(dBm/MHz) = -37.59 + 57.54 = 19.95

3.4.4 Test Setup

Radiated Measurement



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

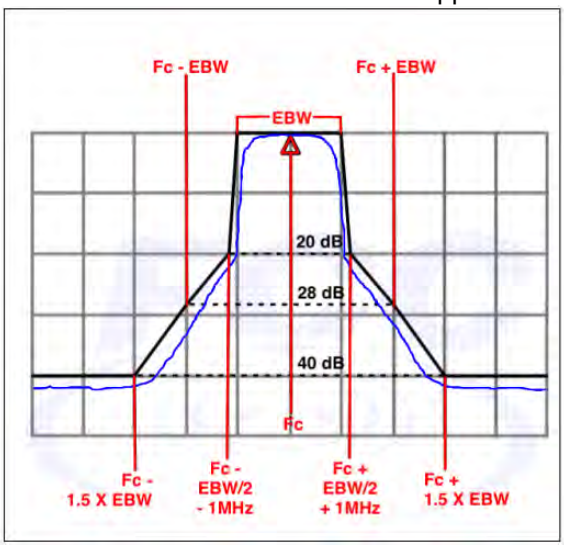
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	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 x log (standard distance/ test distance) = 20log(3/1) = 9.54dB.
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 x log (standard distance/ test distance) = 20log(3/1) = 9.54dB. 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.

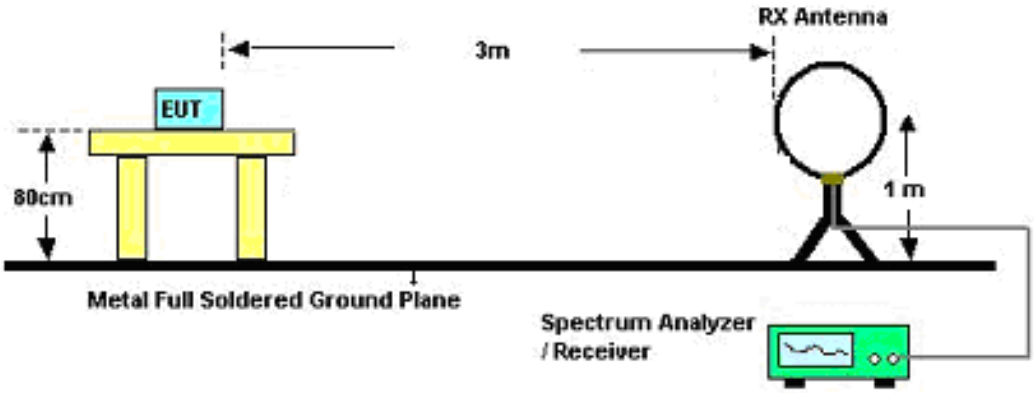
3.5.3 Test Procedures

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 ≥ 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 ≥ 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.			

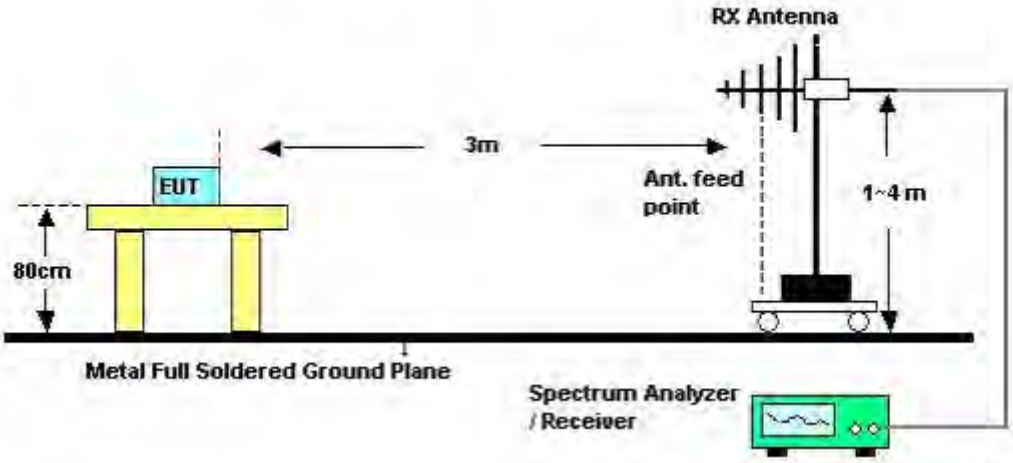
3.5.4 Test Setup

Transmitter Radiated Unwanted Emissions

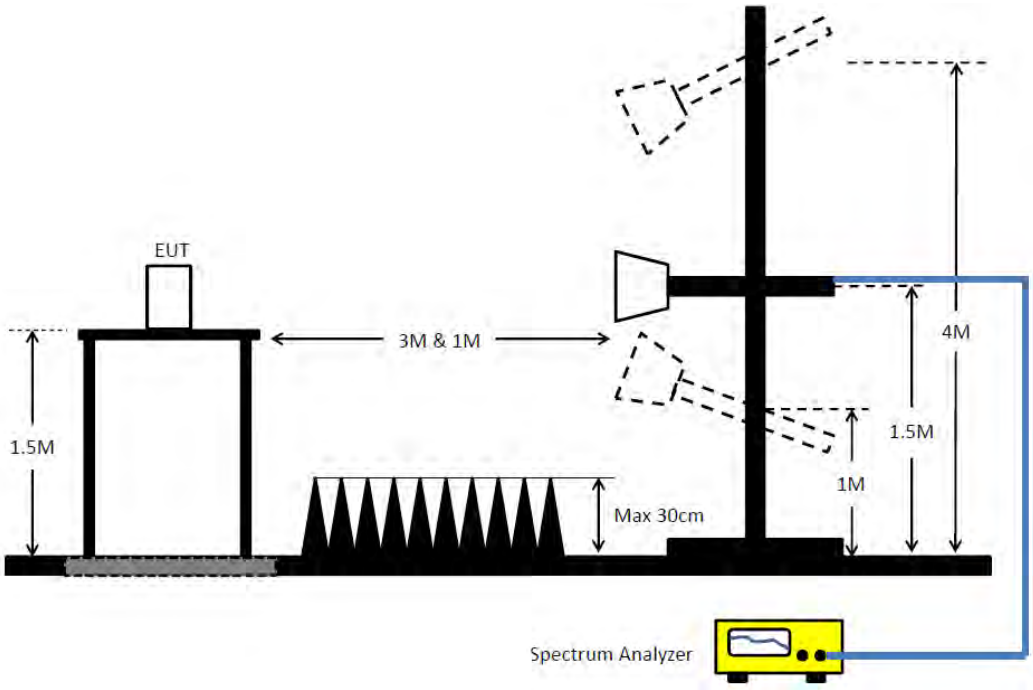
9kHz ~30MHz



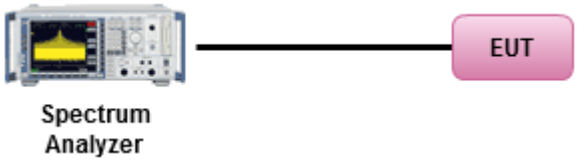
30MHz~1GHz



Above 1GHz



Emission MASK



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. 06, 2023	Apr. 05, 2024	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Dec. 20, 2022	Dec. 19, 2023	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 18, 2023	May 17, 2024	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Oct. 18, 2022	Oct. 17, 2023	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH01-CB	30 MHz ~ 1 GHz	Jan. 16, 2023	Jan. 15, 2024	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 06, 2022	May 05, 2023	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH01-CB	1GHz ~18GHz 3m	May 05, 2023	May 04, 2024	Radiation (03CH01-CB)
BILOG ANTENNA with 6dB Attenuator	TESEQ & EMCI	CBL6112D N-6-06	37880 & AT-N0609	20MHz ~ 2GHz	Feb. 19, 2023	Feb. 18, 2024	Radiation (03CH01-CB)
Horn Antenna	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Nov. 04, 2022	Nov. 03, 2023	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Amplifier	EMCI	EMC330N	980332	20MHz ~ 3GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH0301	20230109-2	10M~1GHz	Jun. 23, 2023	Jun. 22, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 19, 2022	May 18, 2023	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	8449B	3008A02121	1GHz ~ 26.5GHz	May 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH01-CB)
Signal Analyzer	R&S	FSV3044	101437	10kHz ~ 44GHz	Nov. 29, 2022	Nov. 29, 2023	Radiation (03CH01-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 17, 2022	Jun. 16, 2023	Radiation (03CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 13, 2023	Jun. 12, 2024	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH01-CB)
3m Semi Anechoic Chamber VSWR	RIKEN	SAC-3M	03CH02-CB	1GHz ~18GHz	Mar. 25, 2023	Mar. 24, 2024	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 19, 2022	Apr. 18, 2023	Radiation (03CH02-CB)
Horn Antenna	EMCO	3115	9610-4976	1GHz ~ 18GHz	Apr. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Aug. 22, 2022	Aug. 21, 2023	Radiation (03CH01-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 28, 2023	Jun. 27, 2024	Radiation (03CH01-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jul. 01, 2022	Jun. 30, 2023	Radiation (03CH02-CB)
Pre-Amplifier	Agilent	83017A	MY39501305	1GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH02-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH02-CB)
Spectrum analyzer	R&S	FSU	100015	9kHz~26GHz	Dec. 05, 2022	Dec. 04, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)

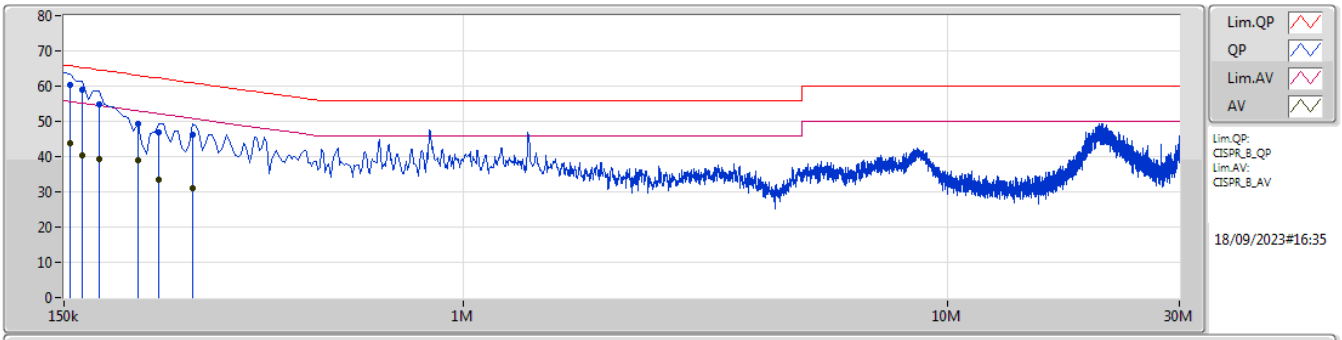
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
Signal Analyzer	R&S	FSV3044	101320	9kHz ~ 44GHz	May 20, 2022	May 19, 2023	Conducted (TH01-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 21, 2023	Apr. 20, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1 GHz – 26.5 GHz	Oct. 04, 2022	Oct. 03, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 03, 2022	Oct. 02, 2023	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

Note: Calibration Interval of instruments listed above is one year.
NCR means Non-Calibration required.

Summary

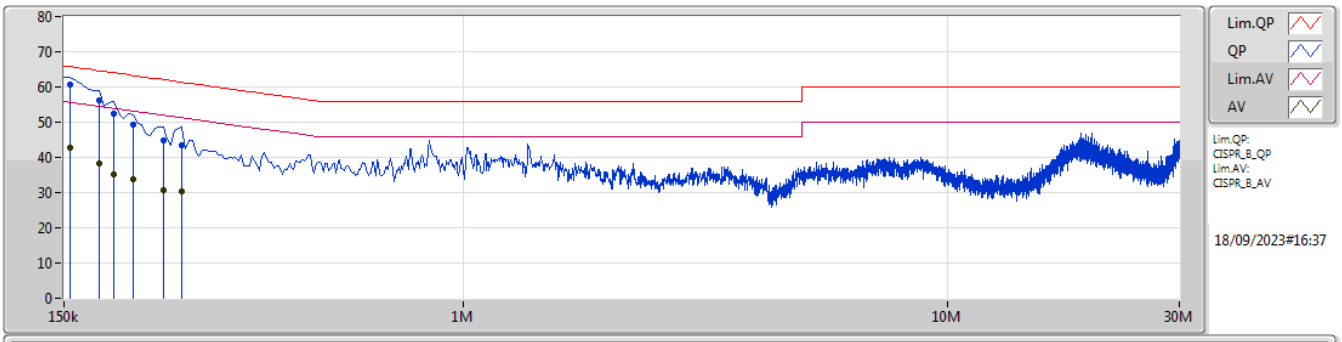
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	154.5k	60.59	65.75	-5.16	Neutral

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	60.36	65.75	-5.39	10.21	Line	"Worst"	50.15	0.04	0.08	10.09
AV	154.5k	43.94	55.75	-11.81	10.21	Line	-	33.73	0.04	0.08	10.09
QP	163.5k	59.13	65.27	-6.14	10.21	Line	-	48.92	0.04	0.09	10.08
AV	163.5k	40.48	55.27	-14.79	10.21	Line	-	30.27	0.04	0.09	10.08
QP	177k	54.73	64.62	-9.89	10.21	Line	-	44.52	0.04	0.10	10.07
AV	177k	39.18	54.62	-15.44	10.21	Line	-	28.97	0.04	0.10	10.07
QP	213k	49.28	63.09	-13.81	10.21	Line	-	39.07	0.04	0.11	10.06
AV	213k	38.87	53.09	-14.22	10.21	Line	-	28.66	0.04	0.11	10.06
QP	235.5k	46.80	62.25	-15.45	10.21	Line	-	36.59	0.04	0.12	10.05
AV	235.5k	33.39	52.25	-18.86	10.21	Line	-	23.18	0.04	0.12	10.05
QP	276k	46.07	60.93	-14.86	10.21	Line	-	35.86	0.04	0.13	10.04
AV	276k	30.91	50.93	-20.02	10.21	Line	-	20.70	0.04	0.13	10.04

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	154.5k	60.59	65.75	-5.16	10.22	Neutral	"Worst"	50.37	0.05	0.08	10.09
AV	154.5k	42.74	55.75	-13.01	10.22	Neutral	-	32.52	0.05	0.08	10.09
QP	177k	56.07	64.62	-8.55	10.22	Neutral	-	45.85	0.05	0.10	10.07
AV	177k	38.16	54.62	-16.46	10.22	Neutral	-	27.94	0.05	0.10	10.07
QP	190.5k	52.25	64.01	-11.76	10.23	Neutral	-	42.02	0.05	0.11	10.07
AV	190.5k	35.13	54.01	-18.88	10.23	Neutral	-	24.90	0.05	0.11	10.07
QP	208.5k	49.27	63.27	-14.00	10.22	Neutral	-	39.05	0.05	0.11	10.06
AV	208.5k	33.94	53.27	-19.33	10.22	Neutral	-	23.72	0.05	0.11	10.06
QP	240k	44.67	62.10	-17.43	10.22	Neutral	-	34.45	0.05	0.12	10.05
AV	240k	30.70	52.10	-21.40	10.22	Neutral	-	20.48	0.05	0.12	10.05
QP	262.5k	43.33	61.35	-18.02	10.22	Neutral	-	33.11	0.05	0.13	10.04
AV	262.5k	30.20	51.35	-21.15	10.22	Neutral	-	19.98	0.05	0.13	10.04

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	32.56M	19.165M	19M2D1D	26.675M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	56.43M	37.931M	37M9D1D	40.48M	37.681M
802.11ax HEW80_Nss1,(MCS0)_1TX	130.9M	77.761M	77M8D1D	81.62M	77.061M
802.11ax HEW160_Nss1,(MCS0)_1TX	224.84M	156.122M	156MD1D	165M	154.723M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.9M	18.866M	18M9D1D	20.57M	18.841M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.37M	37.681M	37M7D1D	40.26M	37.631M
802.11ax HEW80_Nss1,(MCS0)_1TX	83.16M	77.161M	77M2D1D	81.84M	77.061M
802.11ax HEW160_Nss1,(MCS0)_1TX	165M	154.723M	155MD1D	165M	154.723M

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

Result

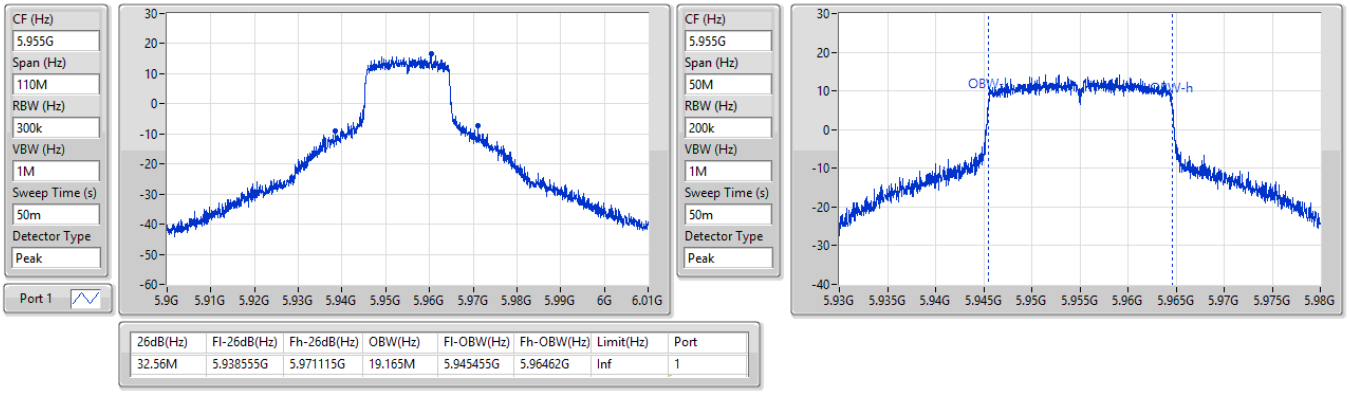
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	32.56M	19.165M
6195MHz	Pass	Inf	26.675M	18.991M
6415MHz	Pass	Inf	28.325M	19.015M
6535MHz	Pass	Inf	20.735M	18.866M
6695MHz	Pass	Inf	20.9M	18.866M
6855MHz	Pass	Inf	20.57M	18.841M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5965MHz	Pass	Inf	40.48M	37.681M
6205MHz	Pass	Inf	41.03M	37.831M
6405MHz	Pass	Inf	56.43M	37.931M
6565MHz	Pass	Inf	40.37M	37.631M
6685MHz	Pass	Inf	40.37M	37.681M
6845MHz	Pass	Inf	40.26M	37.681M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5985MHz	Pass	Inf	81.62M	77.061M
6225MHz	Pass	Inf	126.72M	77.661M
6385MHz	Pass	Inf	130.9M	77.761M
6625MHz	Pass	Inf	82.06M	77.061M
6705MHz	Pass	Inf	83.16M	77.161M
6785MHz	Pass	Inf	81.84M	77.061M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
6025MHz	Pass	Inf	165M	154.723M
6185MHz	Pass	Inf	210.76M	156.122M
6345MHz	Pass	Inf	224.84M	155.922M
6665MHz	Pass	Inf	165M	154.723M

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

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

5955MHz

06/06/2023

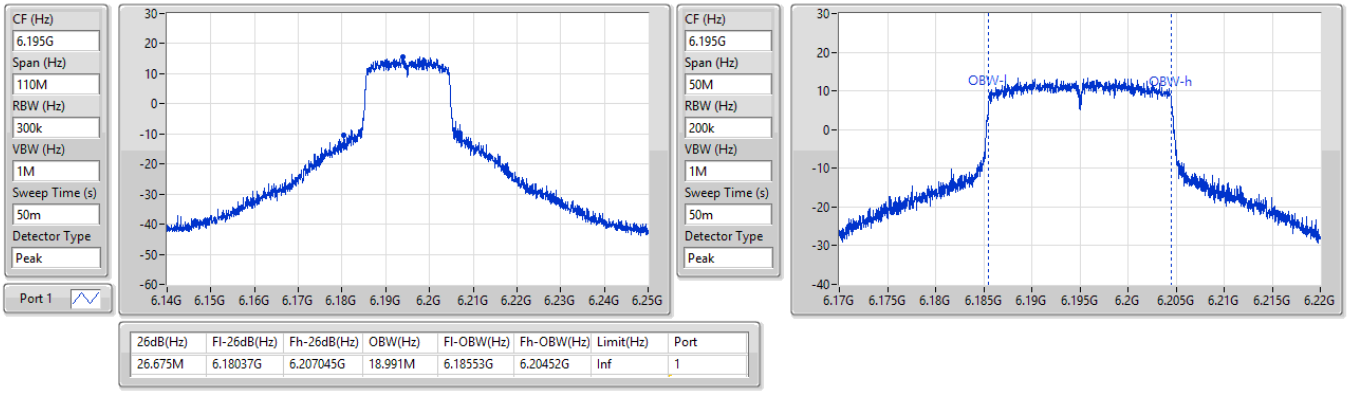


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.56M	5.938555G	5.971115G	19.165M	5.945455G	5.96462G	Inf	1

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

6195MHz

06/06/2023

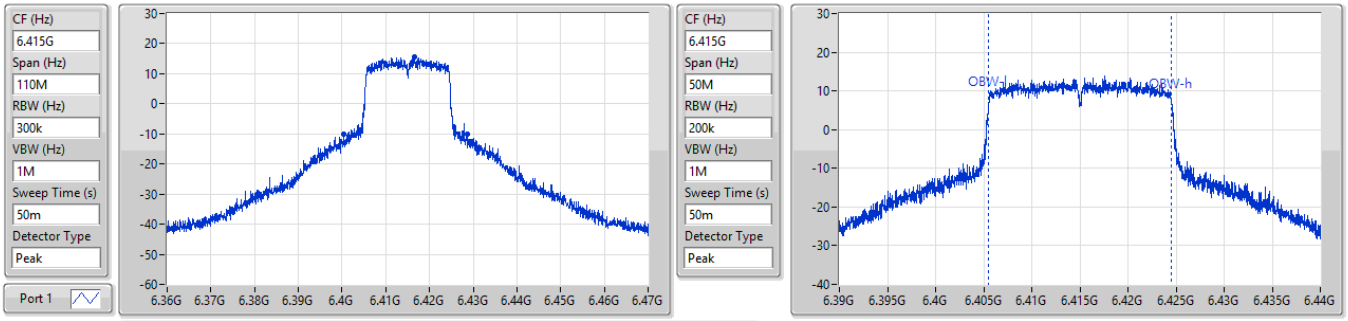


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.675M	6.18037G	6.207045G	18.991M	6.18553G	6.20452G	Inf	1

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

6415MHz

06/06/2023

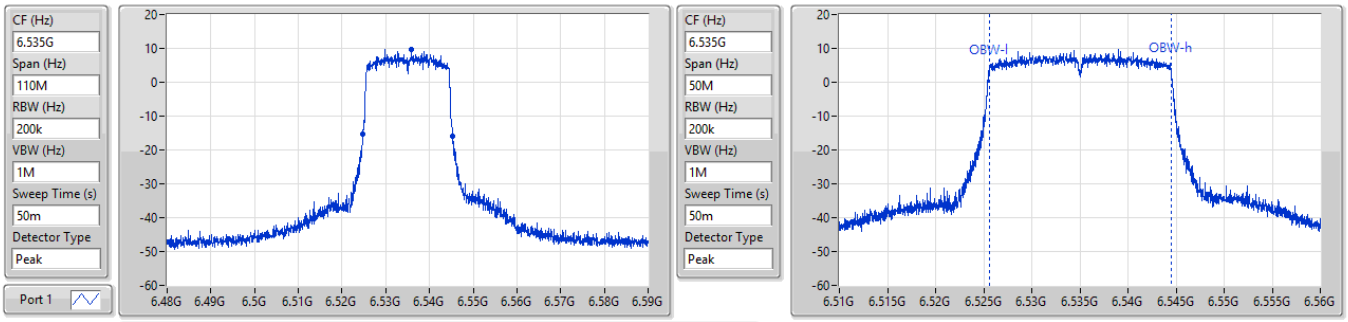


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
28.325M	6.400425G	6.42875G	19.015M	6.40553G	6.424545G	Inf	1

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

6535MHz

06/06/2023

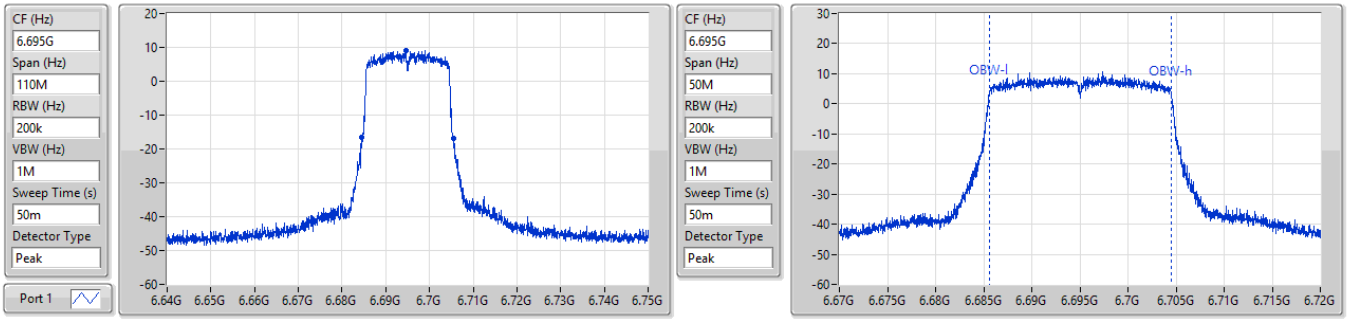


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.735M	6.524605G	6.54534G	18.866M	6.525605G	6.54447G	Inf	1

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

6695MHz

06/06/2023

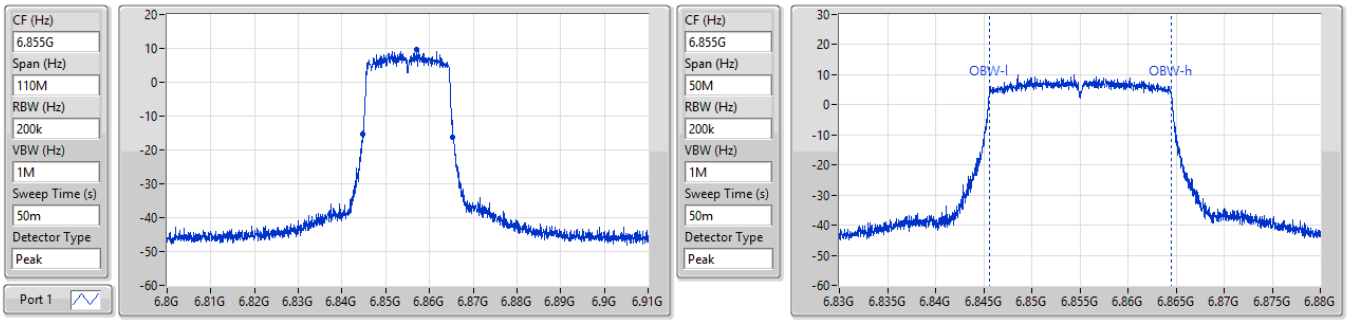


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	6.68455G	6.70545G	18.866M	6.685605G	6.70447G	Inf	1

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

6855MHz

06/06/2023

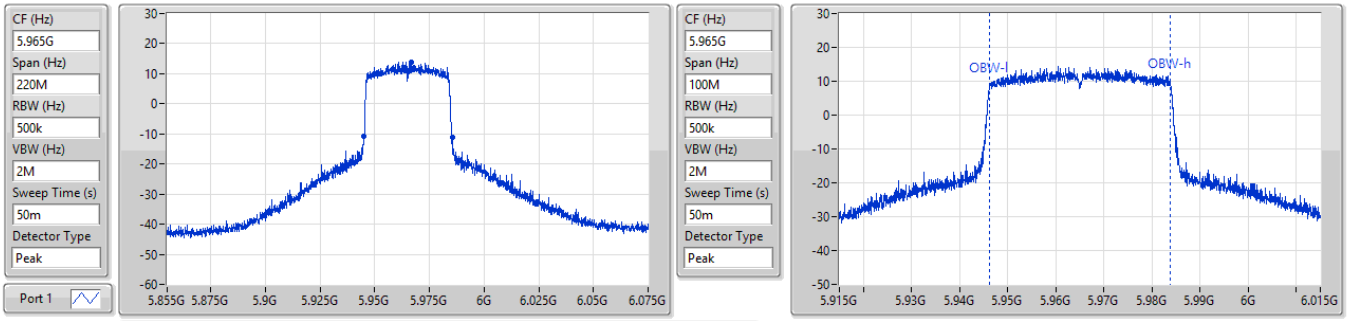


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.57M	6.84477G	6.86534G	18.841M	6.84563G	6.86447G	Inf	1

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

5965MHz

06/06/2023

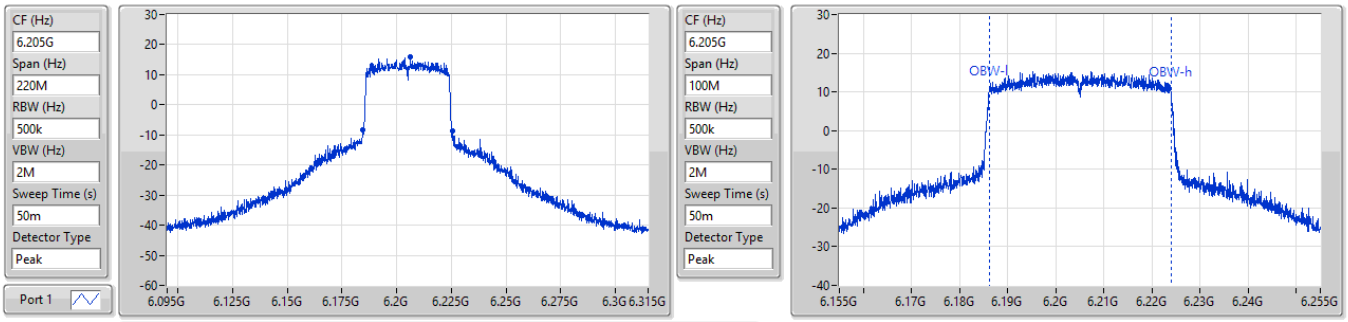


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.48M	5.94487G	5.98535G	37.681M	5.946209G	5.983891G	Inf	1

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

6205MHz

06/06/2023

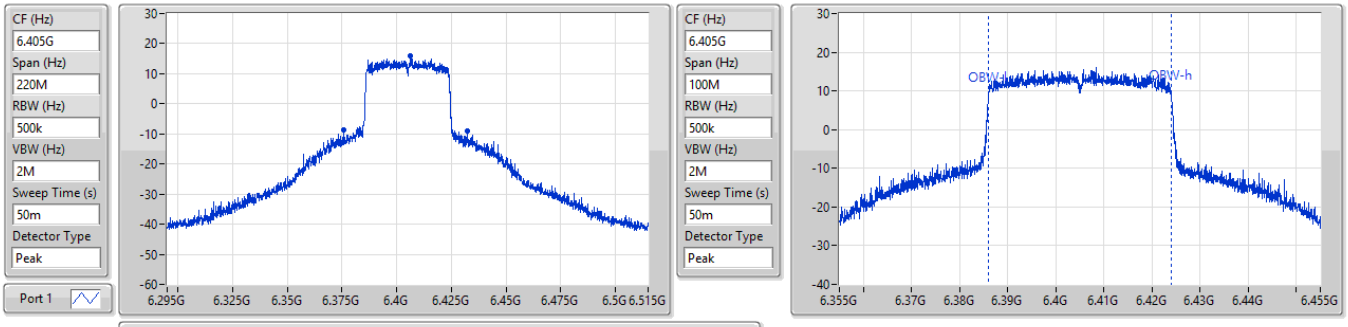


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.03M	6.18432G	6.22535G	37.831M	6.186109G	6.223941G	Inf	1

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

6405MHz

06/06/2023

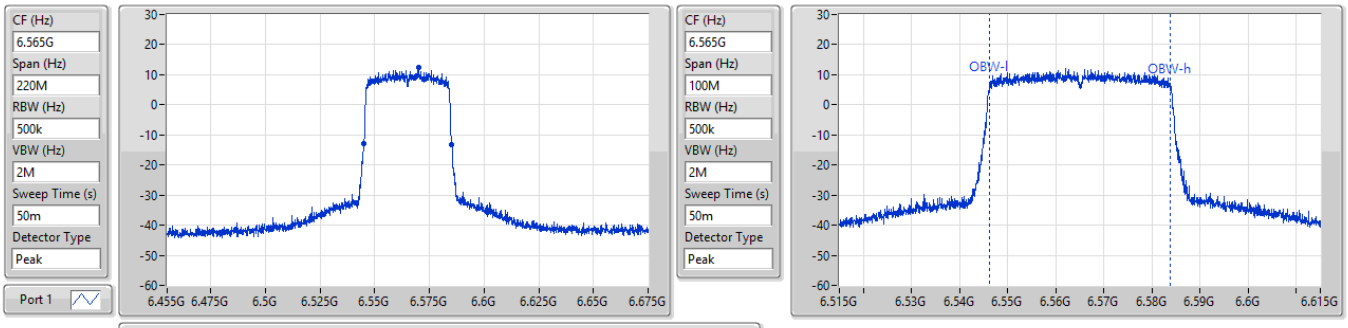


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
56.43M	6.37596G	6.43239G	37.931M	6.386059G	6.423991G	Inf	1

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

6565MHz

06/06/2023

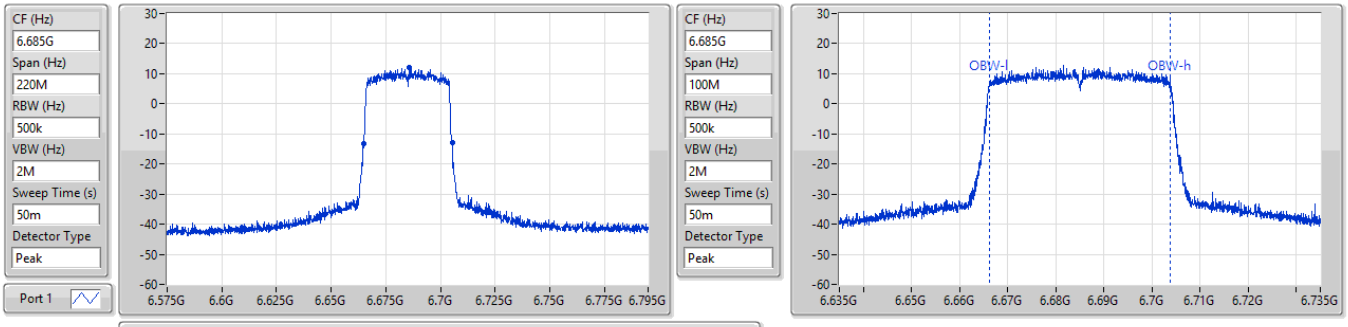


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.54487G	6.58524G	37.631M	6.546209G	6.583841G	Inf	1

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

6685MHz

06/06/2023

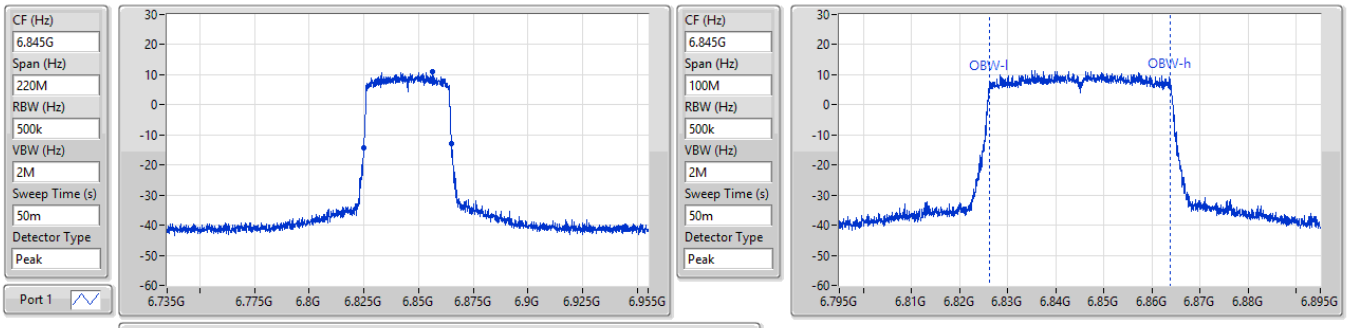


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.66498G	6.70535G	37.681M	6.666159G	6.703841G	Inf	1

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

6845MHz

06/06/2023

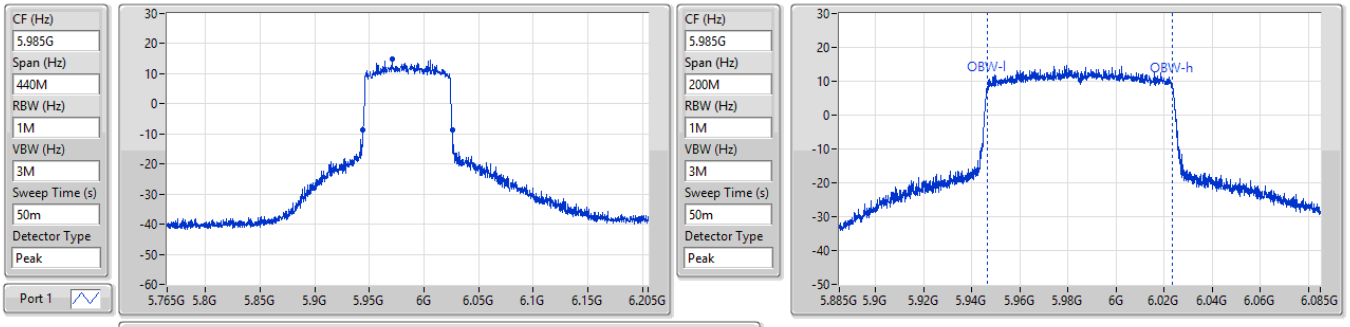


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.82487G	6.86513G	37.681M	6.826209G	6.863891G	Inf	1

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

5985MHz

06/06/2023

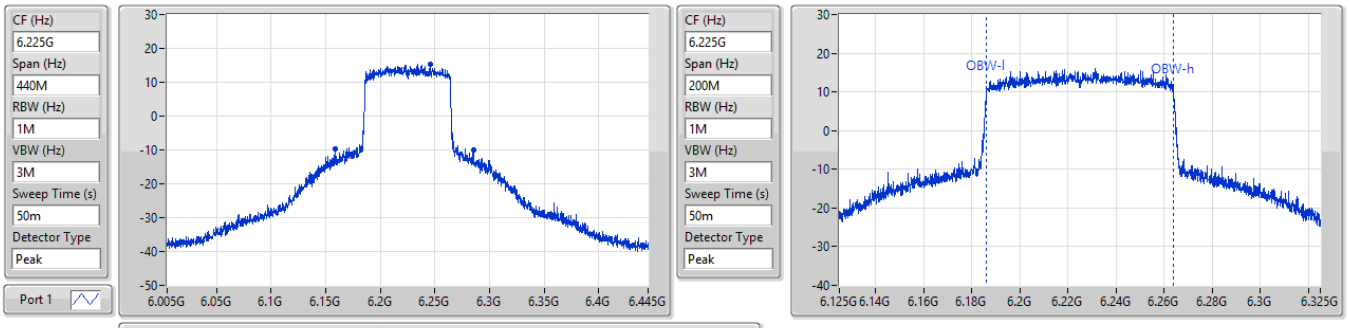


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.62M	5.94408G	6.0257G	77.061M	5.946519G	6.023581G	Inf	1

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

6225MHz

06/06/2023

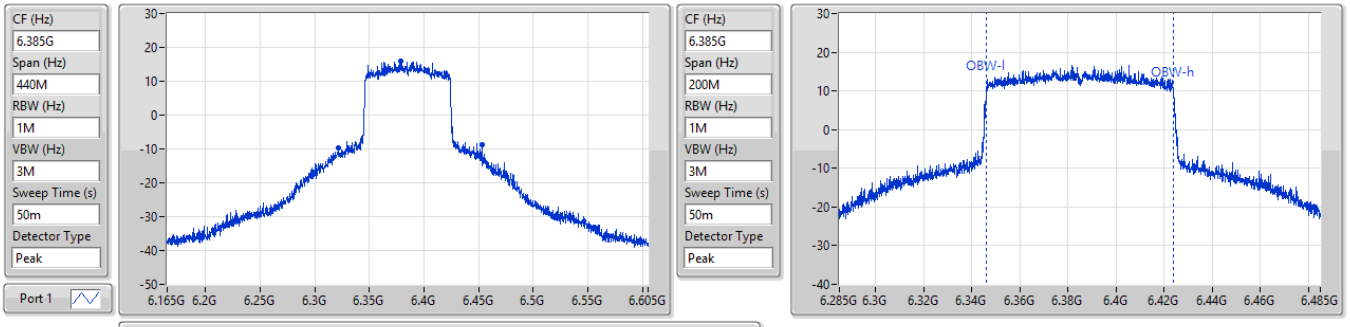


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
126.72M	6.15834G	6.28506G	77.661M	6.186219G	6.263881G	Inf	1

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

6385MHz

06/06/2023

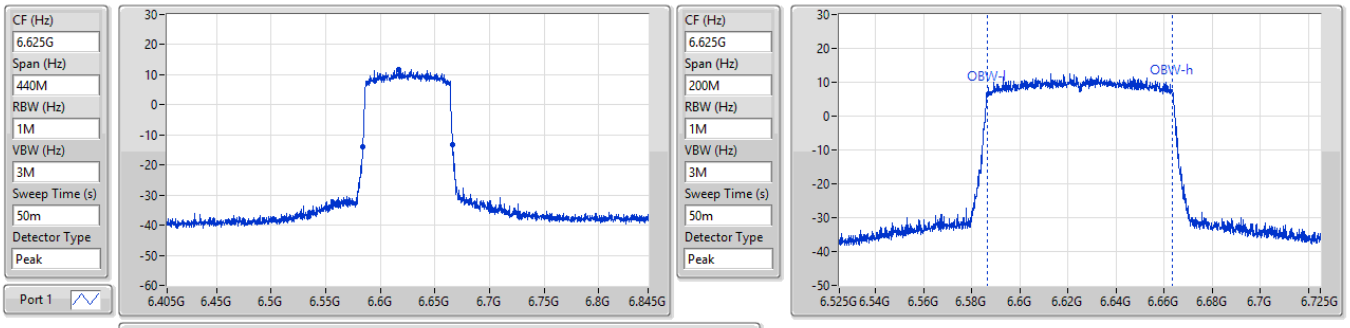


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
130.9M	6.32186G	6.45276G	77.761M	6.346119G	6.423881G	Inf	1

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

6625MHz

06/06/2023

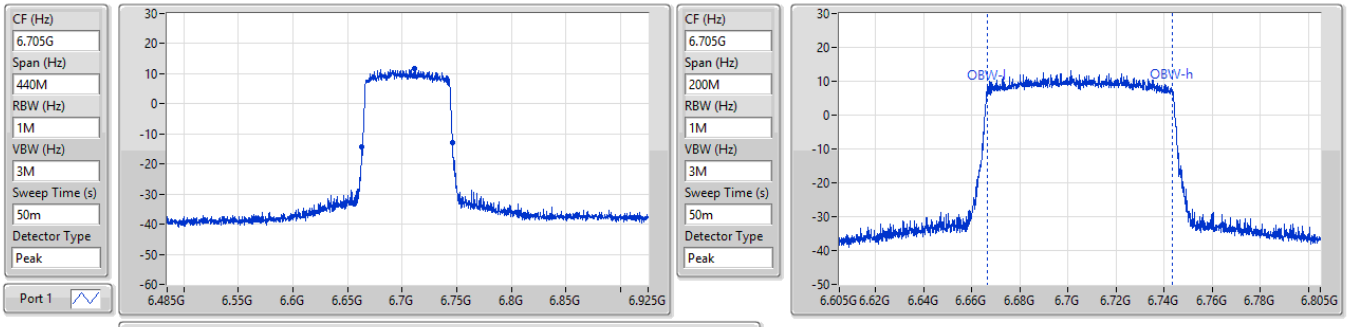


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.58408G	6.66614G	77.061M	6.586519G	6.663581G	Inf	1

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

6705MHz

06/06/2023

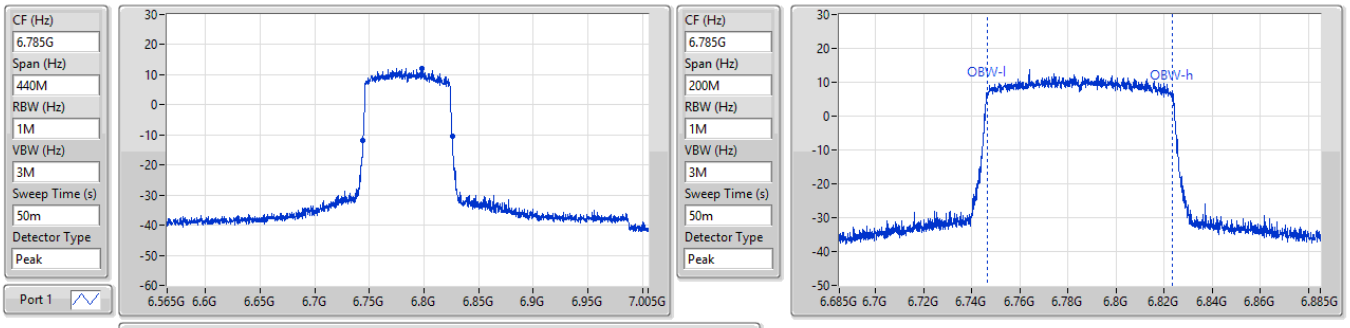


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
83.16M	6.6632G	6.74636G	77.161M	6.666419G	6.743581G	Inf	1

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

6785MHz

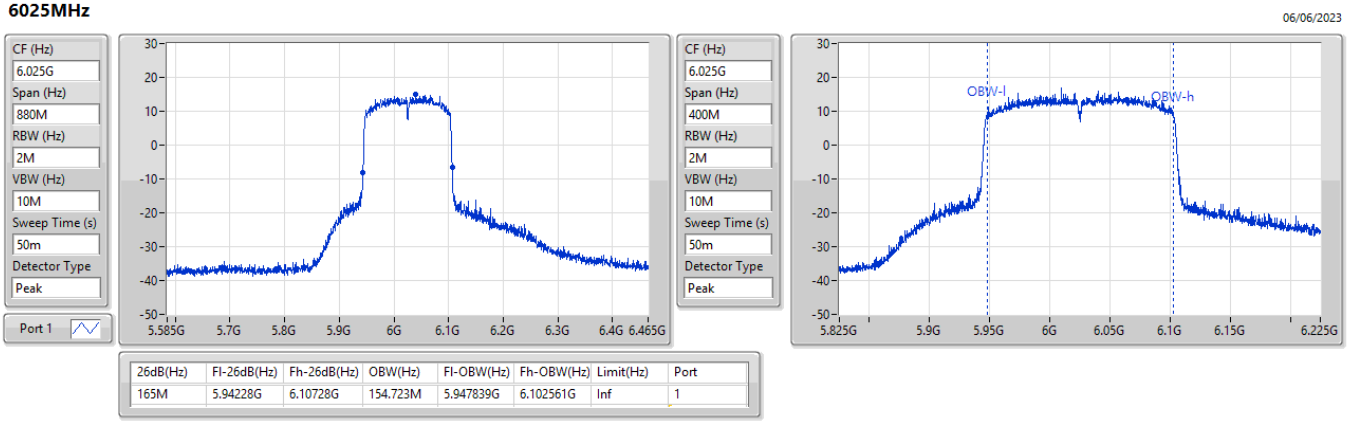
06/06/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.74408G	6.82592G	77.061M	6.746419G	6.823481G	Inf	1

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

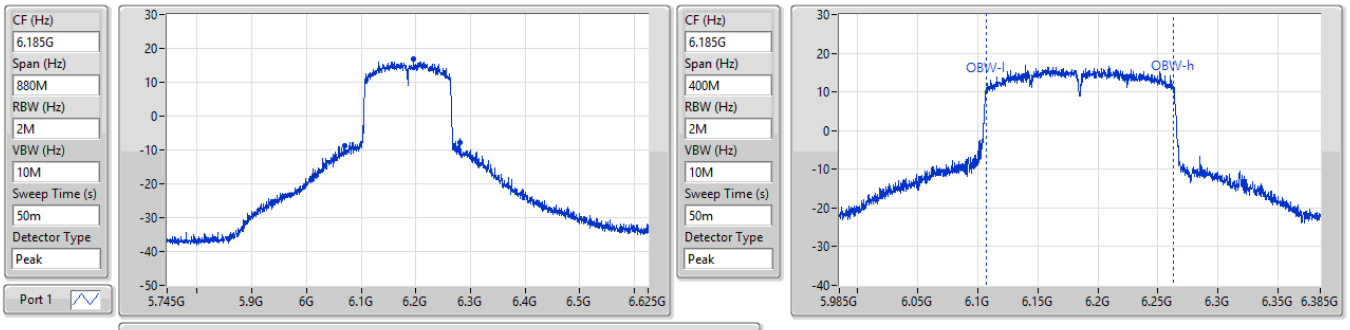
6025MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165M	5.94228G	6.10728G	154.723M	5.947839G	6.102561G	Inf	1

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

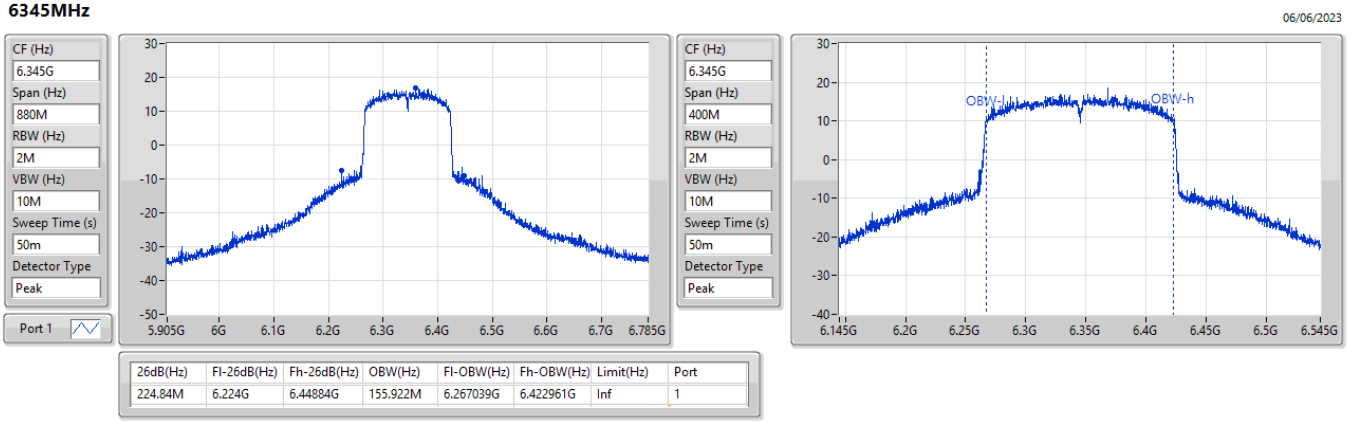
6185MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
210.76M	6.06972G	6.28048G	156.122M	6.106839G	6.262961G	Inf	1

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

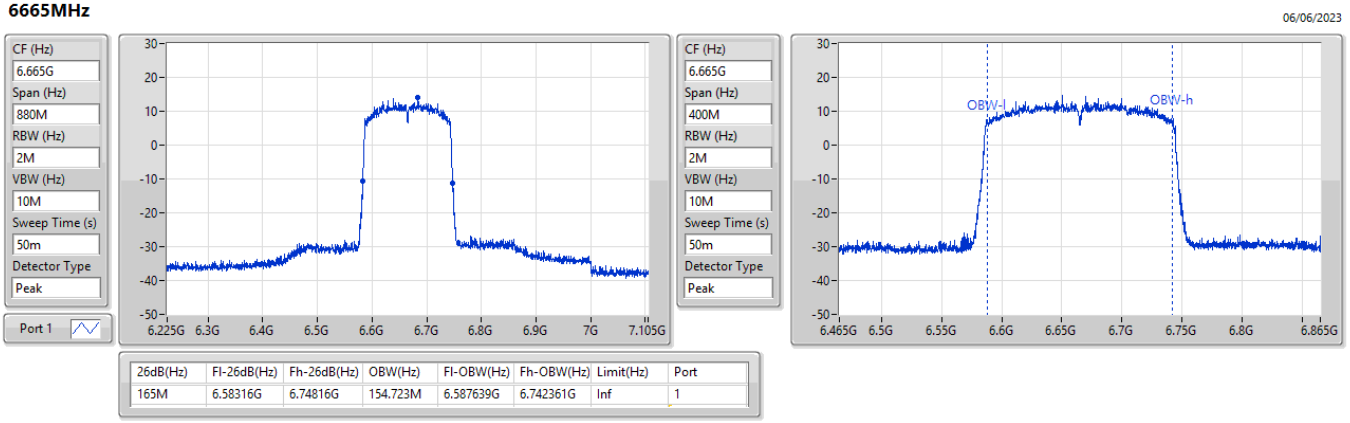
6345MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
224.84M	6.224G	6.44884G	155.922M	6.267039G	6.422961G	Inf	1

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

6665MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165M	6.58316G	6.74816G	154.723M	6.587639G	6.742361G	Inf	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	37.785M	20.84M	20M8D1D	27.335M	19.015M
802.11ax HEW40_Nss1,(MCS0)_1TX	88.66M	42.529M	42M5D1D	40.7M	37.731M
802.11ax HEW80_Nss1,(MCS0)_1TX	189.64M	106.547M	107MD1D	82.72M	77.161M
802.11ax HEW160_Nss1,(MCS0)_1TX	326.48M	170.715M	171MD1D	164.56M	154.923M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.79M	18.891M	18M9D1D	20.625M	18.866M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.26M	37.631M	37M6D1D	40.04M	37.631M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.06M	77.161M	77M2D1D	81.84M	77.061M
802.11ax HEW160_Nss1,(MCS0)_1TX	164.12M	154.723M	155MD1D	164.12M	154.723M

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

Result

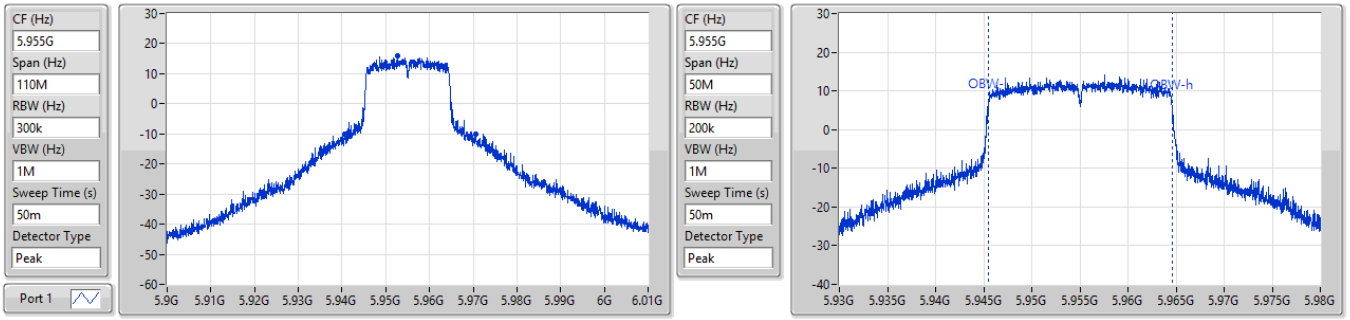
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz_TX	Pass	Inf	29.865M	19.09M
6195MHz_TX	Pass	Inf	27.335M	19.015M
6415MHz_TX	Pass	Inf	37.785M	20.84M
6535MHz_TX	Pass	Inf	20.79M	18.891M
6695MHz_TX	Pass	Inf	20.625M	18.891M
6855MHz_TX	Pass	Inf	20.735M	18.866M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5965MHz_TX	Pass	Inf	40.7M	37.731M
6205MHz_TX	Pass	Inf	68.86M	37.931M
6405MHz_TX	Pass	Inf	88.66M	42.529M
6565MHz_TX	Pass	Inf	40.26M	37.631M
6685MHz_TX	Pass	Inf	40.26M	37.631M
6845MHz_TX	Pass	Inf	40.04M	37.631M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5985MHz_TX	Pass	Inf	82.72M	77.161M
6225MHz_TX	Pass	Inf	134.64M	78.561M
6385MHz_TX	Pass	Inf	189.64M	106.547M
6625MHz_TX	Pass	Inf	81.84M	77.161M
6705MHz_TX	Pass	Inf	82.06M	77.061M
6785MHz_TX	Pass	Inf	82.06M	77.161M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
6025MHz_TX	Pass	Inf	164.56M	154.923M
6185MHz_TX	Pass	Inf	258.72M	156.722M
6345MHz_TX	Pass	Inf	326.48M	170.715M
6665MHz_TX	Pass	Inf	164.12M	154.723M

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

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

5955MHz

06/06/2023

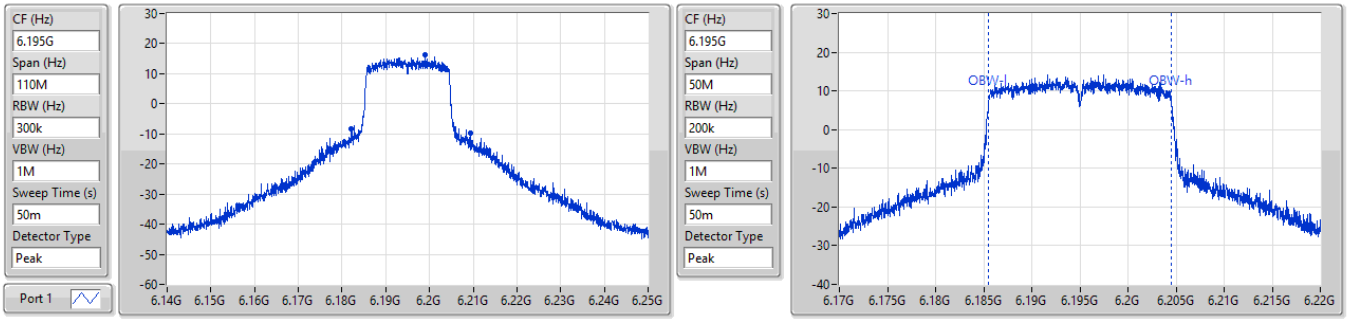


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
29.865M	5.9407G	5.970565G	19.09M	5.94548G	5.96457G	Inf	1

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

6195MHz

06/06/2023

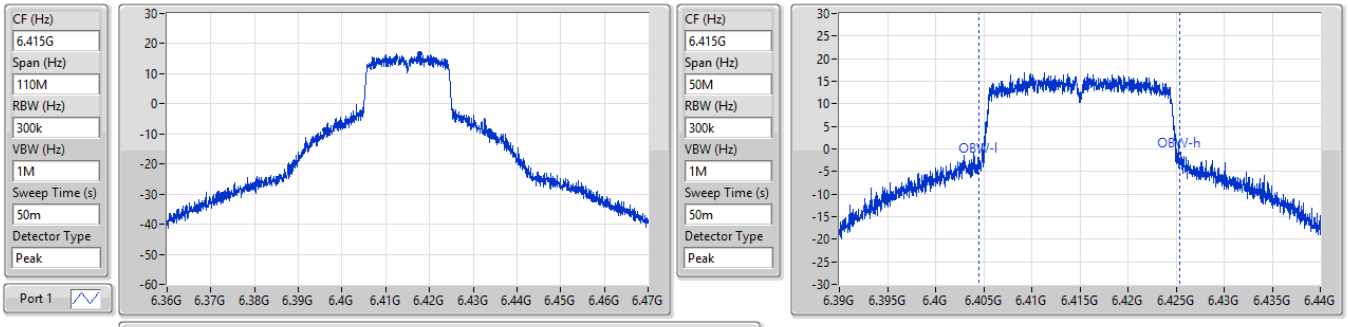


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
27.335M	6.18202G	6.209355G	19.015M	6.185505G	6.20452G	Inf	1

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

6415MHz

06/06/2023

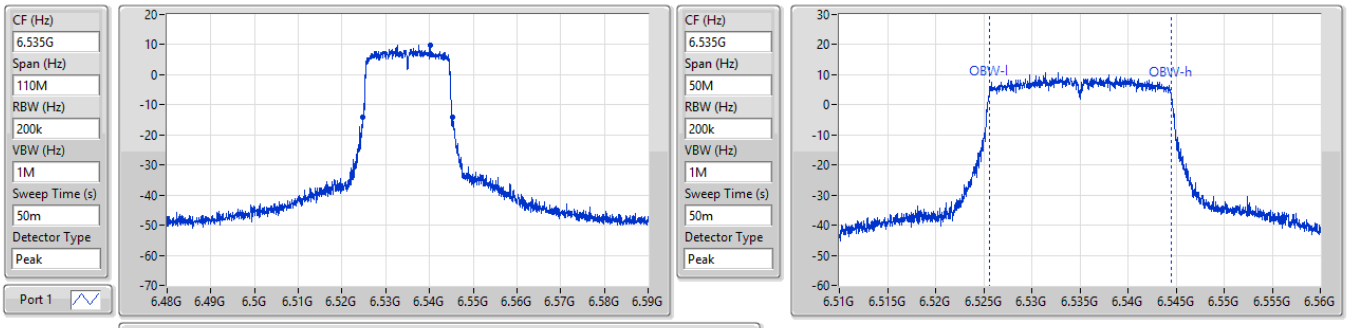


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.785M	6.395915G	6.4337G	20.84M	6.404505G	6.425345G	Inf	1

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

6535MHz

06/06/2023

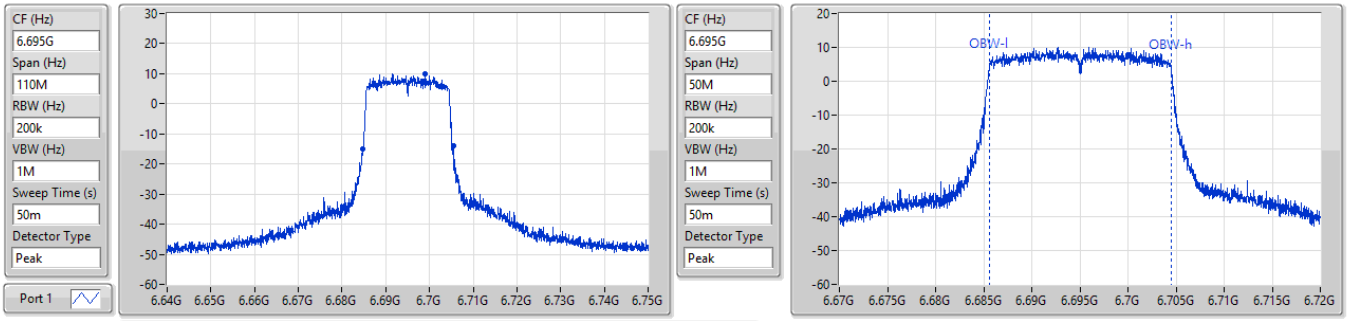


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	6.524605G	6.545395G	18.891M	6.52558G	6.54447G	Inf	1

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

6695MHz

06/06/2023

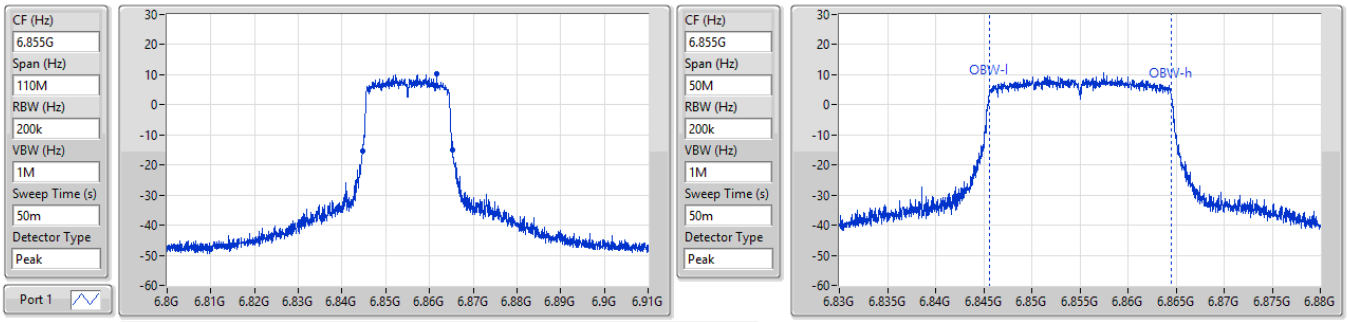


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.684825G	6.70545G	18.891M	6.68558G	6.70447G	Inf	1

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

6855MHz

06/06/2023

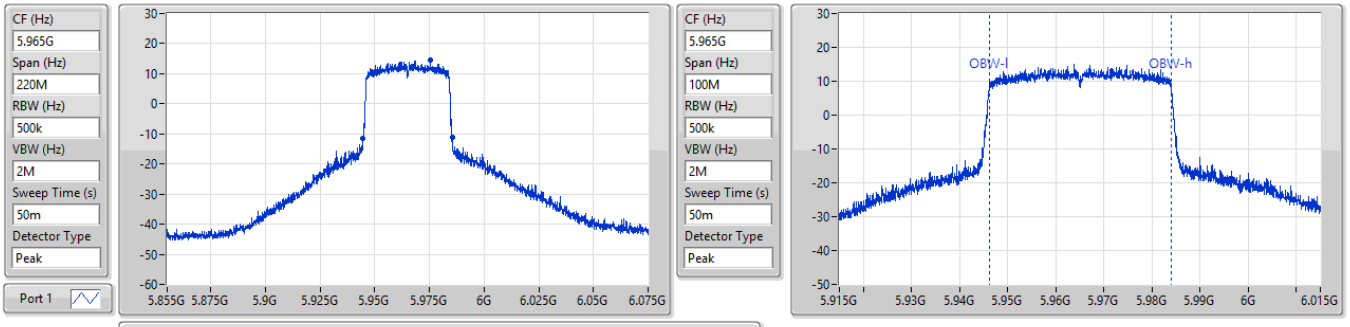


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.735M	6.844605G	6.86534G	18.866M	6.845605G	6.86447G	Inf	1

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

5965MHz

06/06/2023

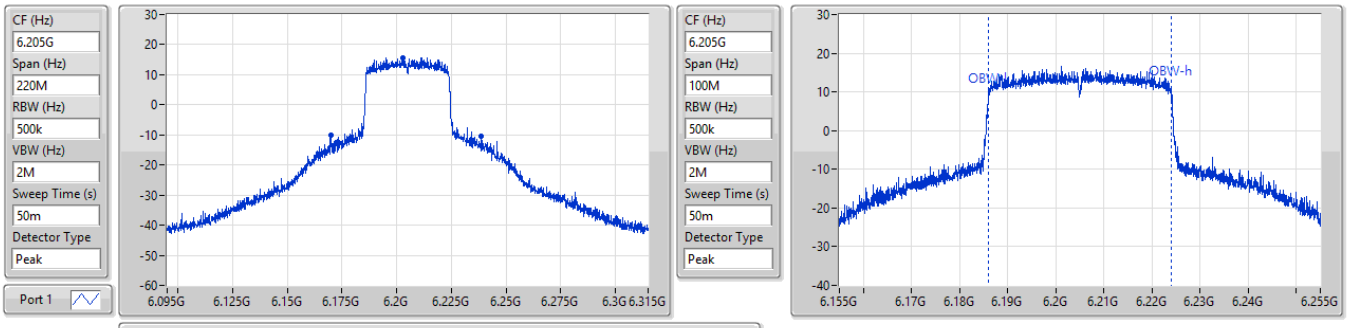


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.7M	5.94465G	5.98535G	37.731M	5.946209G	5.983941G	Inf	1

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

6205MHz

06/06/2023

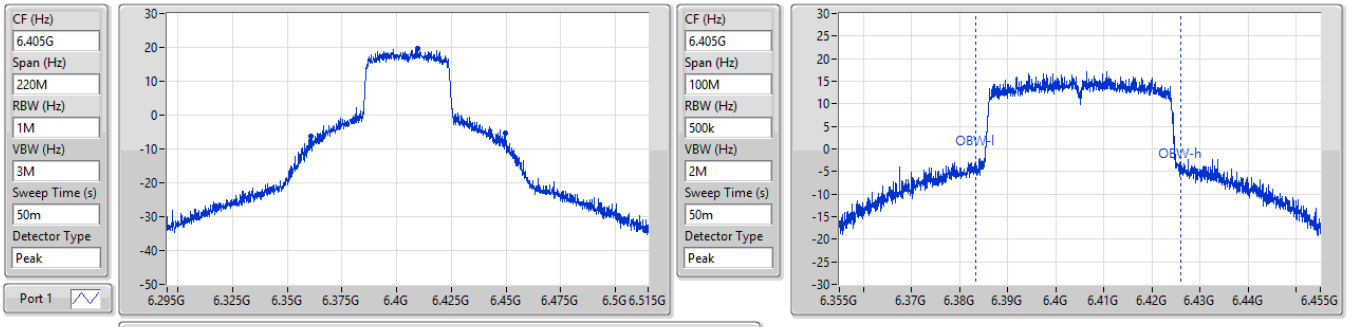


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
68.86M	6.1698G	6.23866G	37.931M	6.186059G	6.223991G	Inf	1

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

6405MHz

06/06/2023

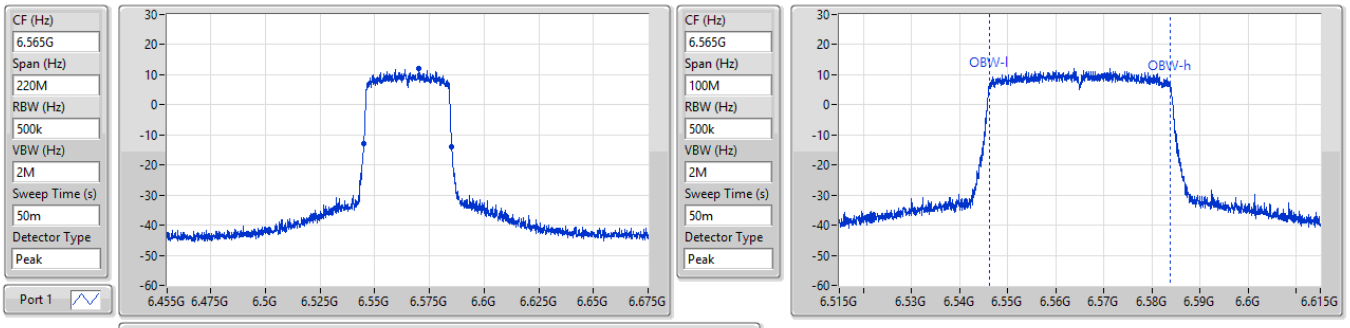


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
88.66M	6.36089G	6.44955G	42.529M	6.383461G	6.42599G	Inf	1

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

6565MHz

06/06/2023

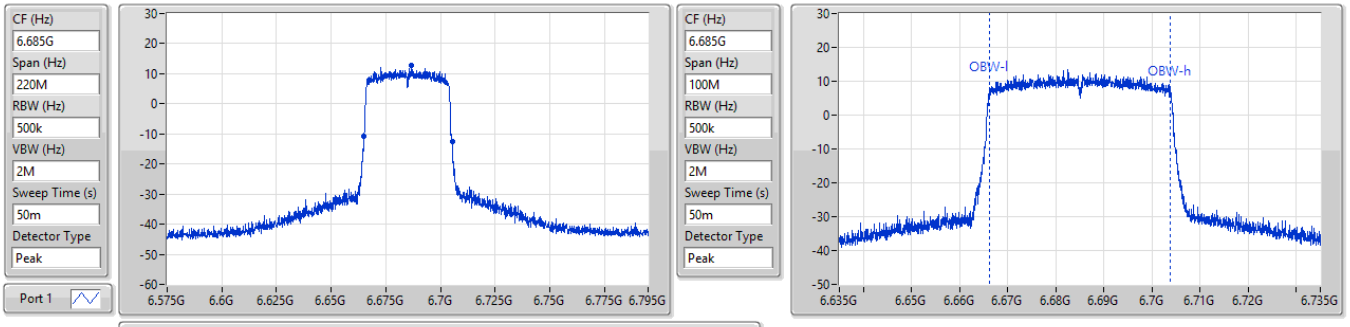


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.54487G	6.58513G	37.631M	6.546209G	6.583841G	Inf	1

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

6685MHz

06/06/2023

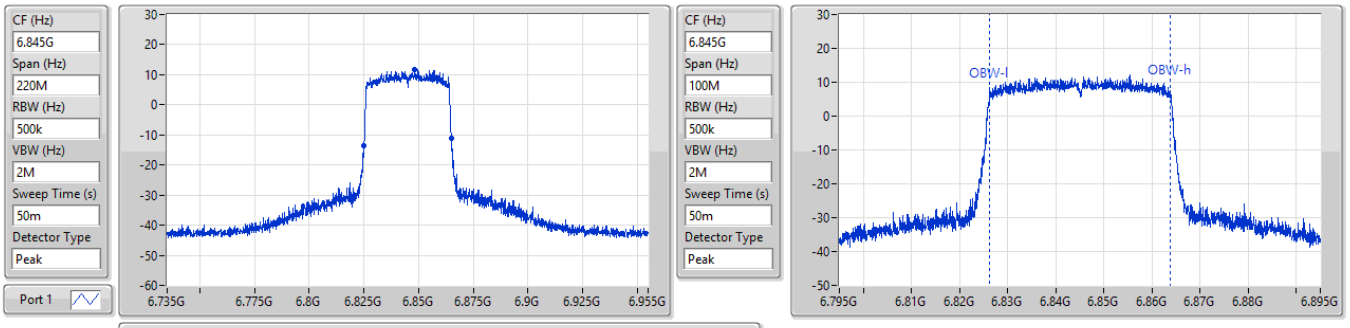


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.66509G	6.70535G	37.631M	6.666209G	6.703841G	Inf	1

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

6845MHz

06/06/2023

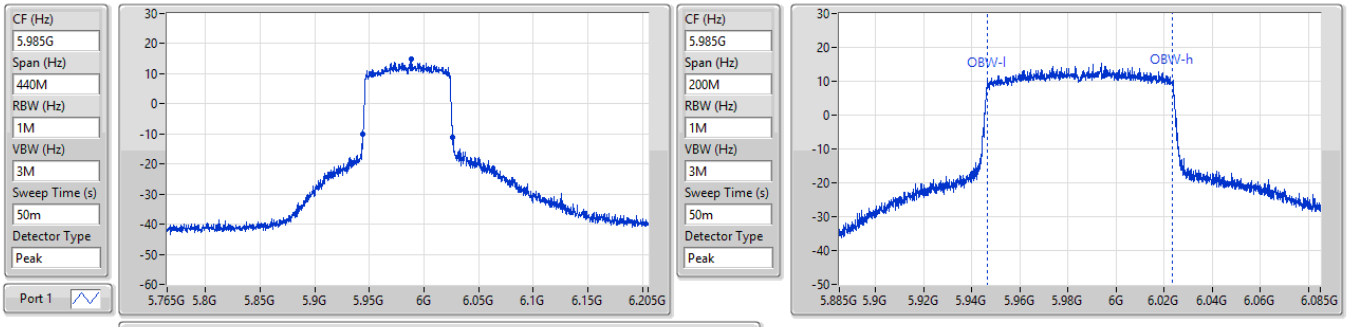


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.04M	6.82498G	6.86502G	37.631M	6.826259G	6.863891G	Inf	1

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

5985MHz

06/06/2023

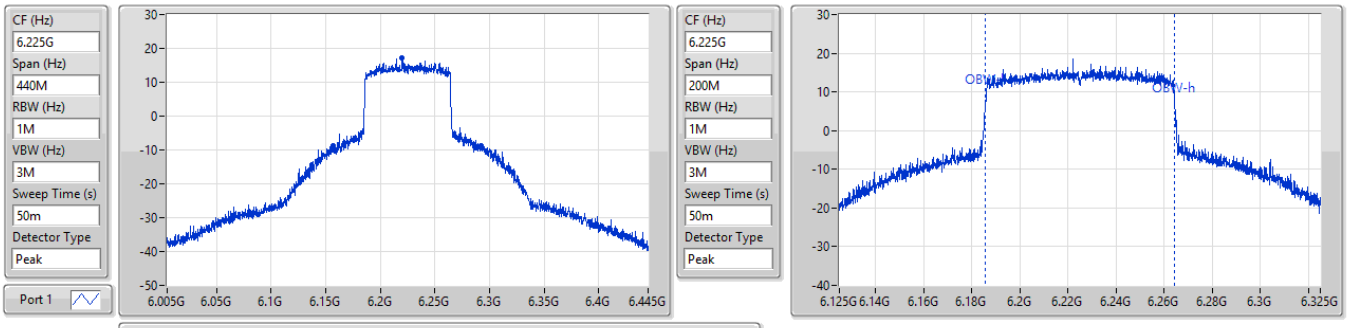


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	5.94386G	6.02658G	77.161M	5.946519G	6.023681G	Inf	1

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

6225MHz

06/06/2023

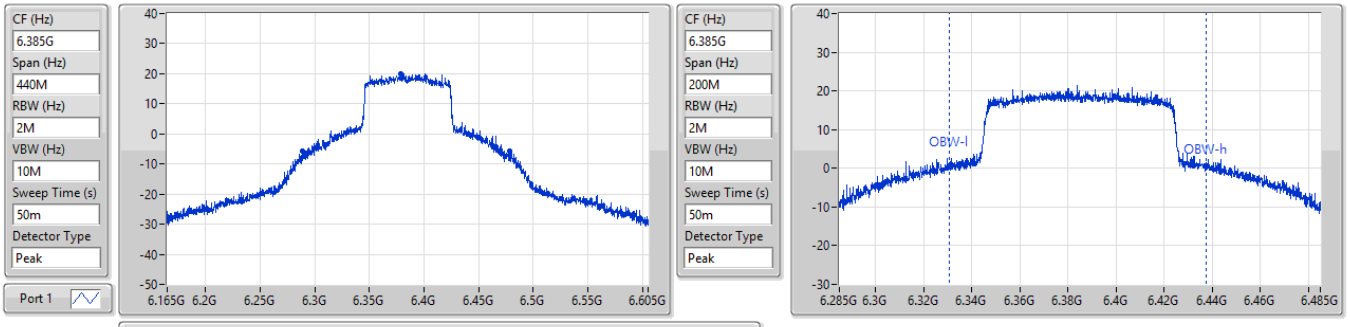


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
134.64M	6.15724G	6.29188G	78.561M	6.18582G	6.26438G	Inf	1

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

6385MHz

06/06/2023

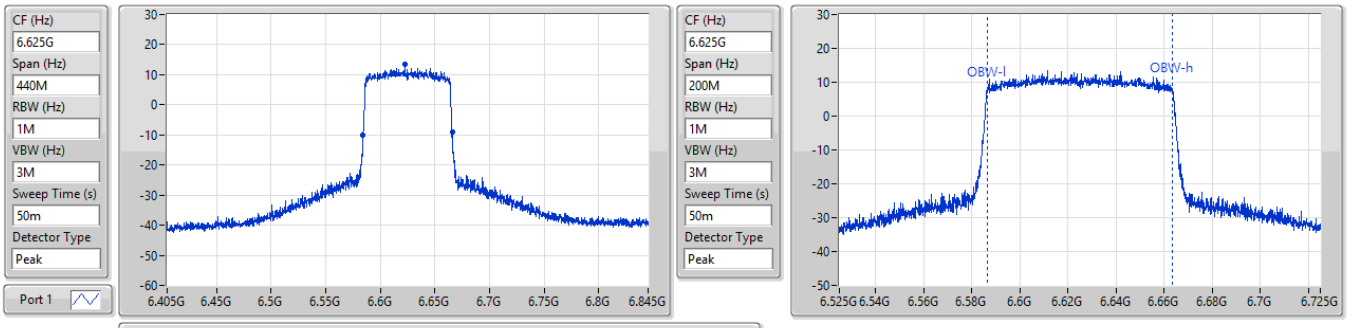


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
189.64M	6.28842G	6.47806G	106.547M	6.330827G	6.437374G	Inf	1

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

6625MHz

06/06/2023

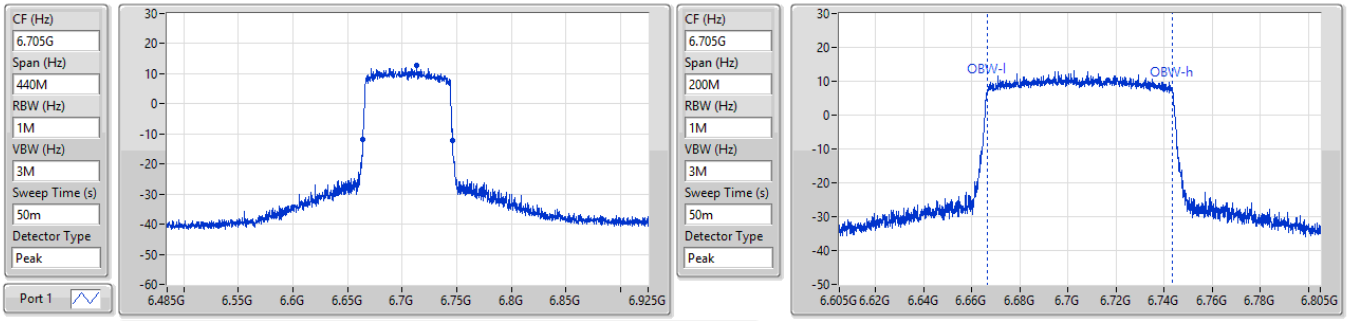


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.58408G	6.66592G	77.161M	6.586419G	6.663581G	Inf	1

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

6705MHz

06/06/2023

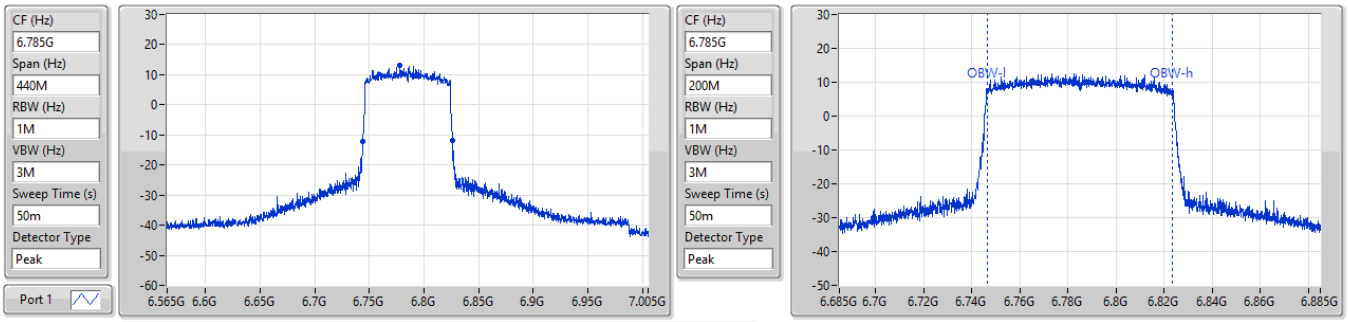


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.66408G	6.74614G	77.061M	6.666419G	6.743481G	Inf	1

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

6785MHz

06/06/2023

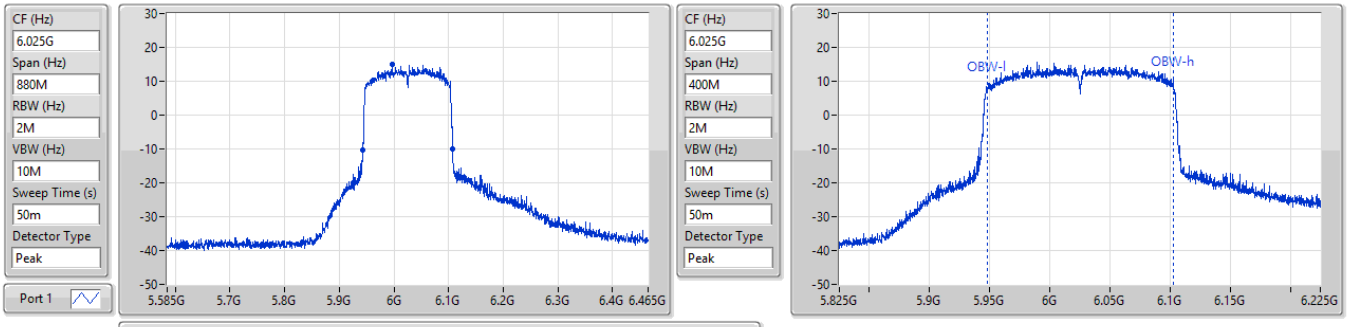


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.74386G	6.82592G	77.161M	6.746419G	6.823581G	Inf	1

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

6025MHz

06/06/2023

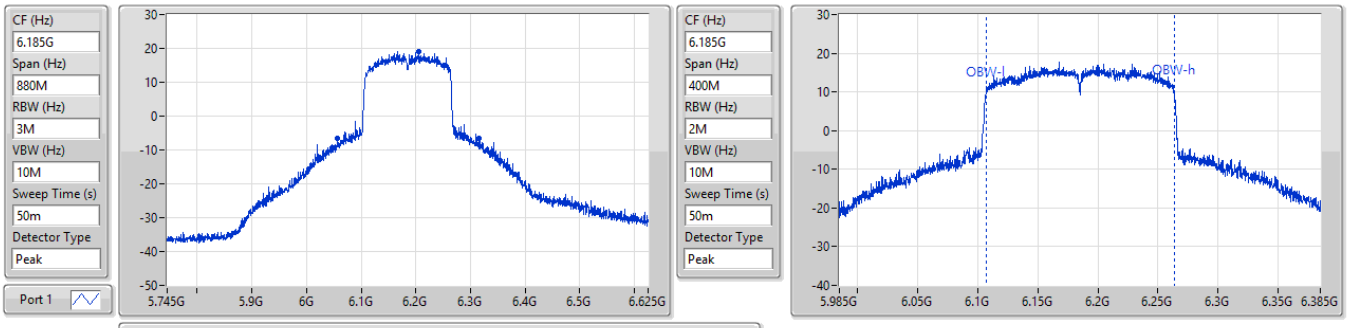


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	5.94272G	6.10728G	154.923M	5.947839G	6.102761G	Inf	1

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

6185MHz

06/06/2023

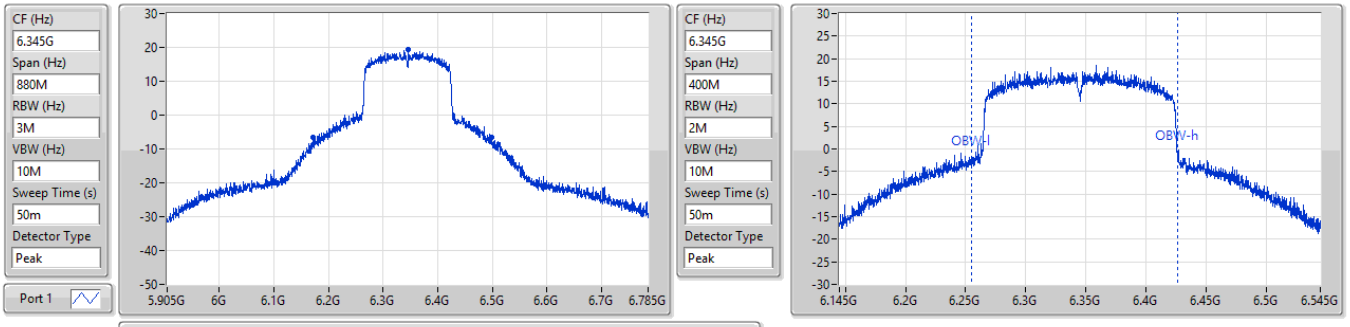


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
258.72M	6.05696G	6.31568G	156.722M	6.106839G	6.263561G	Inf	1

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

6345MHz

06/06/2023

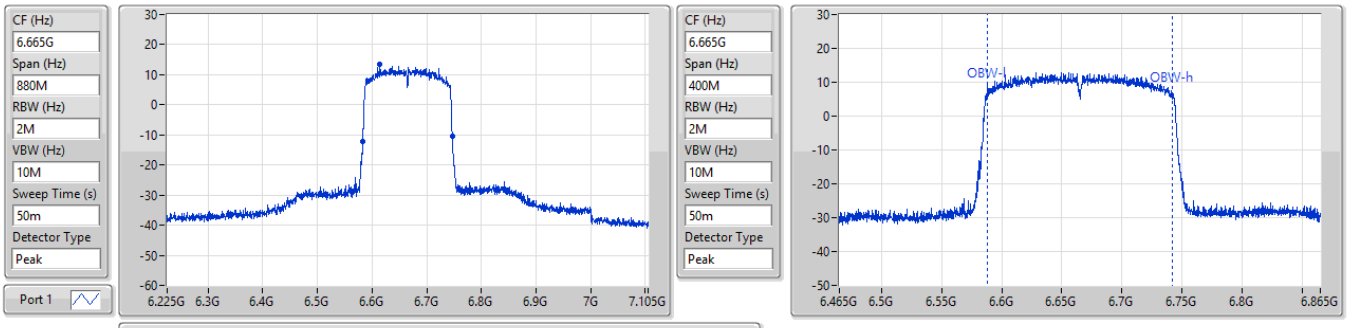


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
326.48M	6.17164G	6.49812G	170.715M	6.255245G	6.42596G	Inf	1

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

6665MHz

06/06/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	6.58228G	6.7464G	154.723M	6.587639G	6.742361G	Inf	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)_2TX	21.065M	18.891M	18M9D1D	20.46M	18.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	41.14M	37.731M	37M7D1D	40.15M	37.631M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.72M	77.261M	77M3D1D	81.84M	77.061M
802.11ax HEW160_Nss1,(MCS0)_2TX	164.56M	154.923M	155MD1D	163.24M	154.323M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	20.955M	18.891M	18M9D1D	20.625M	18.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	40.48M	37.631M	37M6D1D	40.15M	37.581M
802.11ax HEW80_Nss1,(MCS0)_2TX	82.72M	77.161M	77M2D1D	81.62M	77.061M
802.11ax HEW160_Nss1,(MCS0)_2TX	165M	154.923M	155MD1D	163.68M	154.723M

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

Result

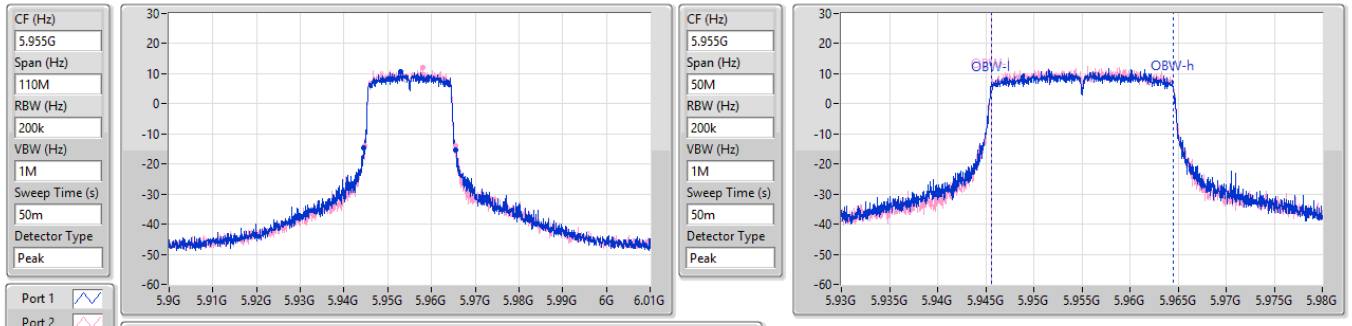
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz_TX	Pass	Inf	21.065M	18.891M	20.9M	18.866M
6195MHz_TX	Pass	Inf	20.57M	18.841M	20.46M	18.891M
6415MHz_TX	Pass	Inf	21.065M	18.891M	20.68M	18.891M
6535MHz_TX	Pass	Inf	20.9M	18.891M	20.955M	18.891M
6695MHz_TX	Pass	Inf	20.625M	18.891M	20.955M	18.866M
6855MHz_TX	Pass	Inf	20.625M	18.866M	20.68M	18.841M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz_TX	Pass	Inf	40.37M	37.731M	40.26M	37.631M
6205MHz_TX	Pass	Inf	41.14M	37.631M	40.15M	37.631M
6405MHz_TX	Pass	Inf	40.59M	37.681M	40.26M	37.731M
6565MHz_TX	Pass	Inf	40.37M	37.631M	40.48M	37.631M
6685MHz_TX	Pass	Inf	40.37M	37.631M	40.37M	37.581M
6845MHz_TX	Pass	Inf	40.15M	37.581M	40.37M	37.631M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz_TX	Pass	Inf	82.06M	77.061M	82.06M	77.061M
6225MHz_TX	Pass	Inf	82.5M	77.261M	81.84M	77.161M
6385MHz_TX	Pass	Inf	82.5M	77.161M	82.72M	77.161M
6625MHz_TX	Pass	Inf	82.28M	77.061M	82.28M	77.161M
6705MHz_TX	Pass	Inf	81.84M	77.061M	82.72M	77.061M
6785MHz_TX	Pass	Inf	81.84M	77.061M	81.62M	77.161M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz_TX	Pass	Inf	164.12M	154.723M	163.24M	154.323M
6185MHz_TX	Pass	Inf	164.12M	154.723M	164.56M	154.723M
6345MHz_TX	Pass	Inf	164.12M	154.923M	164.12M	154.723M
6665MHz_TX	Pass	Inf	163.68M	154.923M	165M	154.723M

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

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

5955MHz

06/06/2023

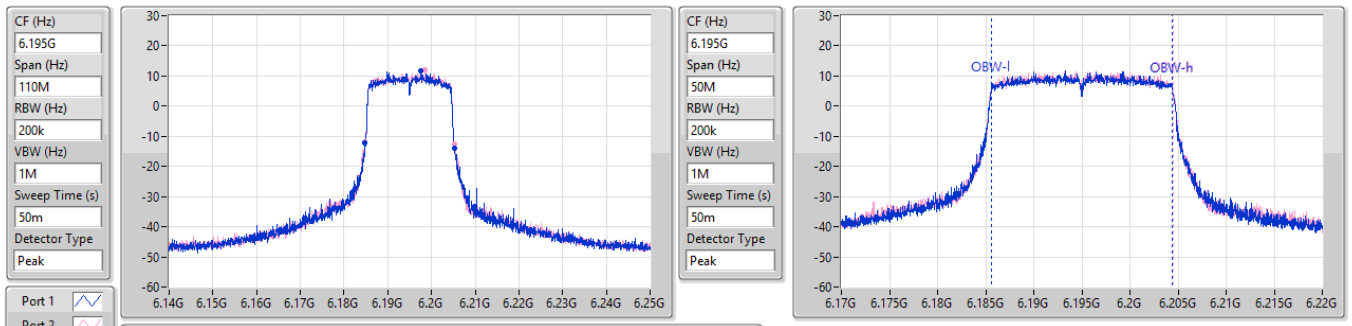


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.065M	5.94455G	5.965615G	18.891M	5.94558G	5.96447G	Inf	1
20.9M	5.944605G	5.965505G	18.866M	5.945605G	5.96447G	Inf	2

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6195MHz

06/06/2023

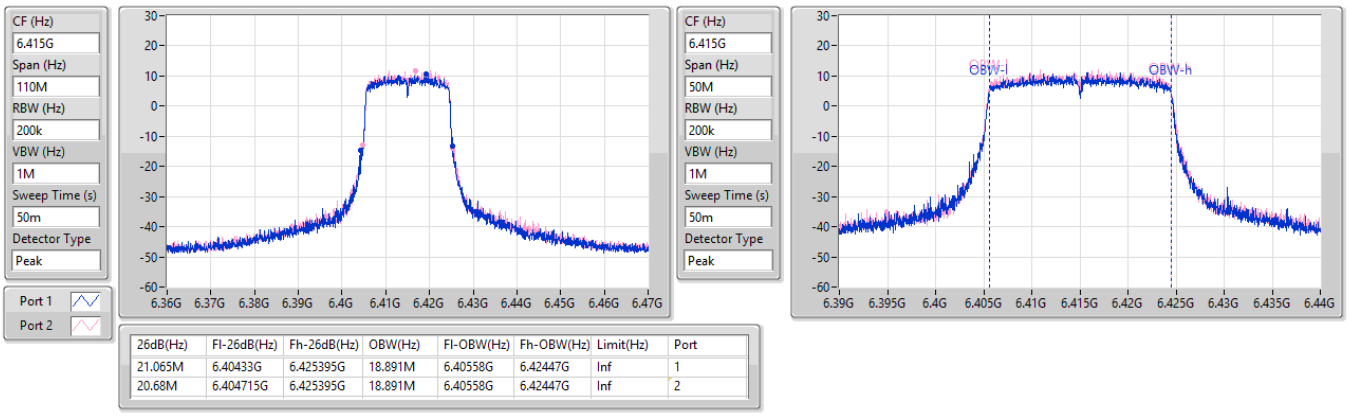


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.57M	6.184825G	6.205395G	18.841M	6.185605G	6.204445G	Inf	1
20.46M	6.18477G	6.20523G	18.891M	6.18558G	6.20447G	Inf	2

5.925-6.425GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6415MHz

06/06/2023

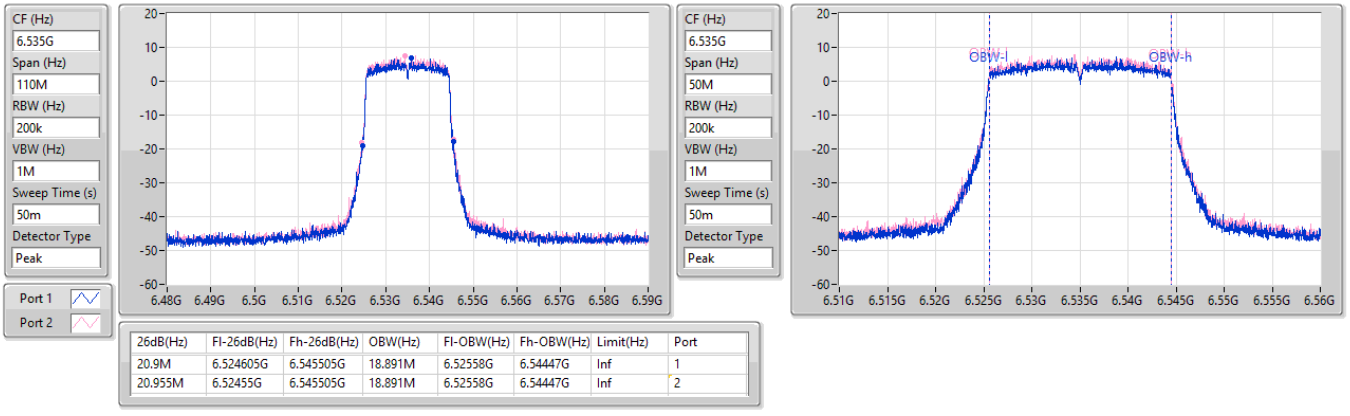


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.065M	6.40433G	6.425395G	18.891M	6.40558G	6.42447G	Inf	1
20.68M	6.404715G	6.425395G	18.891M	6.40558G	6.42447G	Inf	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6535MHz

06/06/2023

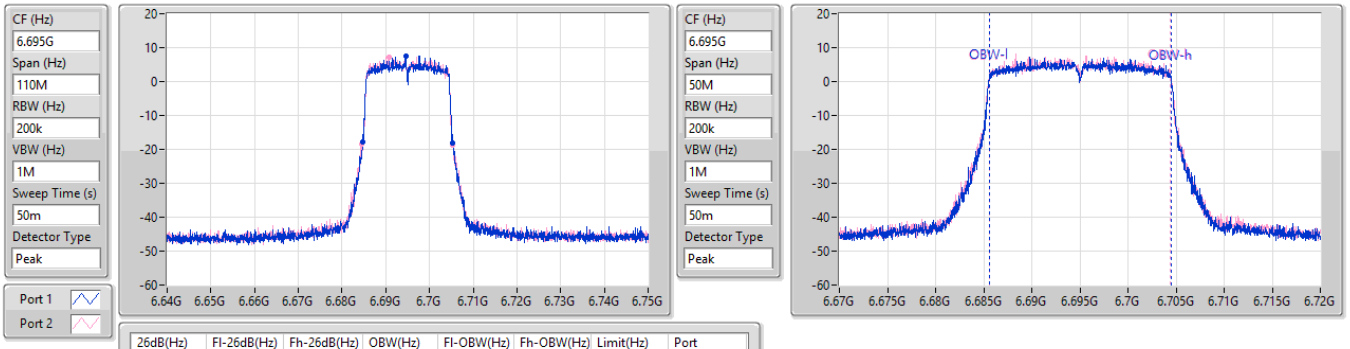


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	6.524605G	6.545505G	18.891M	6.52558G	6.54447G	Inf	1
20.955M	6.52455G	6.545505G	18.891M	6.52558G	6.54447G	Inf	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6695MHz

06/06/2023

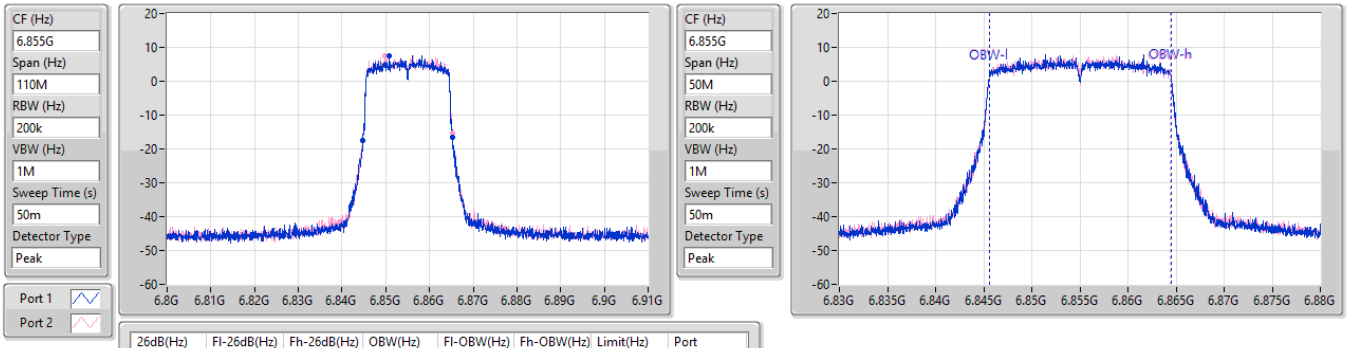


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.684715G	6.70534G	18.891M	6.68558G	6.70447G	Inf	1
20.955M	6.68444G	6.705395G	18.866M	6.68558G	6.704445G	Inf	2

6.525-6.875GHz_802.11ax HEW20_Nss1,(MCS0)_2TX **EBW**

6855MHz

06/06/2023

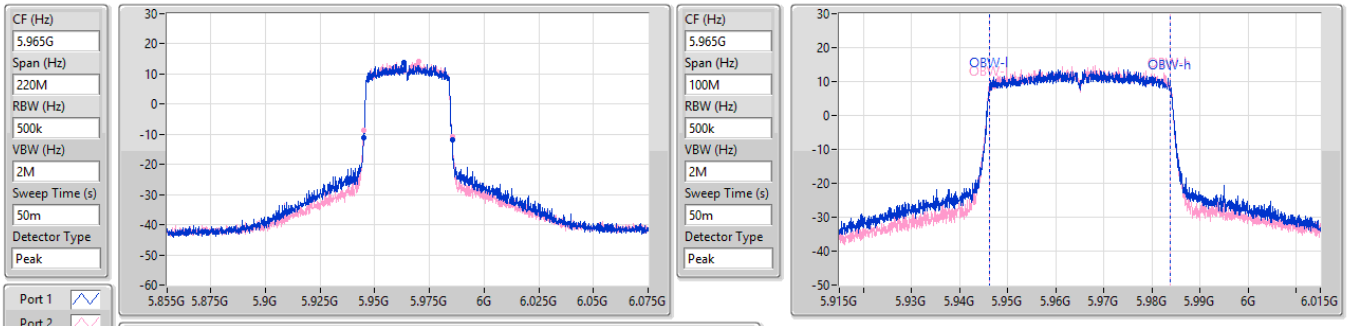


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.844715G	6.86534G	18.866M	6.845605G	6.86447G	Inf	1
20.68M	6.84466G	6.86534G	18.841M	6.845605G	6.864445G	Inf	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

5965MHz

06/06/2023

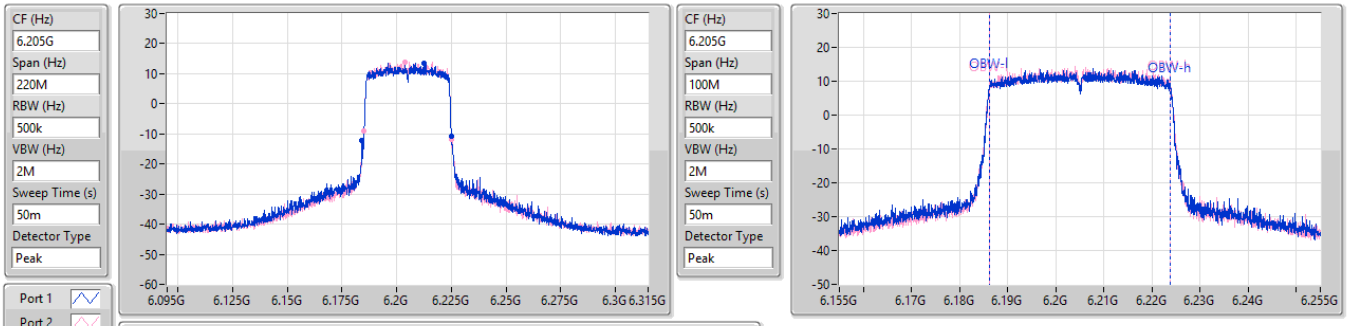


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	5.94498G	5.98535G	37.731M	5.946159G	5.983891G	Inf	1
40.26M	5.94509G	5.98535G	37.631M	5.946209G	5.983841G	Inf	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6205MHz

06/06/2023

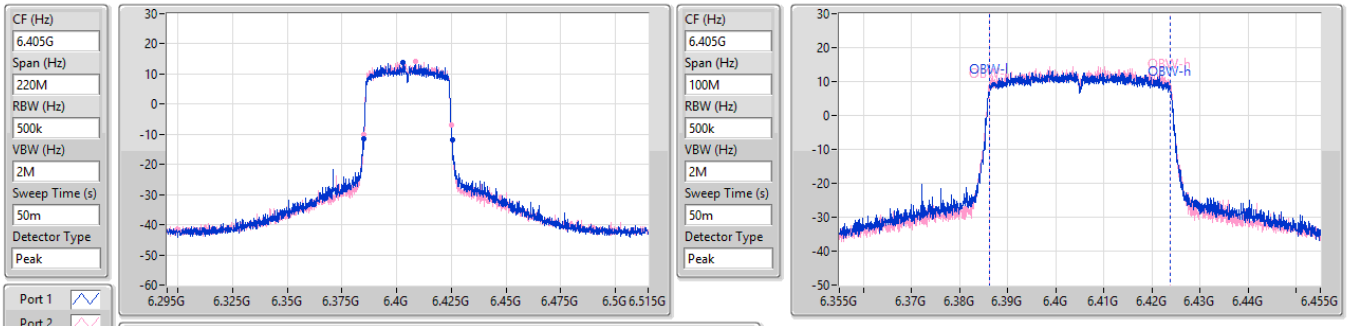


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.14M	6.1841G	6.22524G	37.631M	6.186209G	6.223841G	Inf	1
40.15M	6.18498G	6.22513G	37.631M	6.186259G	6.223891G	Inf	2

5.925-6.425GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6405MHz

06/06/2023

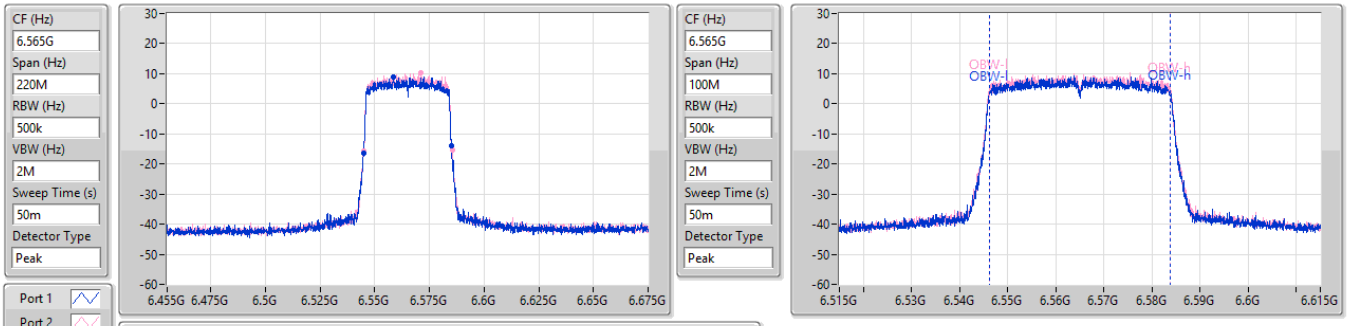


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.59M	6.38487G	6.42546G	37.681M	6.386159G	6.423841G	Inf	1
40.26M	6.38487G	6.42513G	37.731M	6.386159G	6.423891G	Inf	2

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6565MHz

06/06/2023

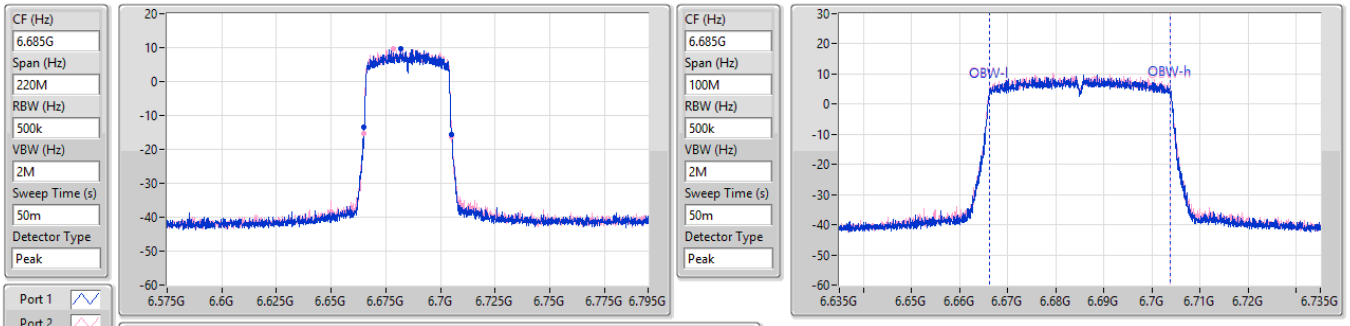


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.54476G	6.58513G	37.631M	6.546209G	6.583841G	Inf	1
40.48M	6.54487G	6.58535G	37.631M	6.546209G	6.583841G	Inf	2

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6685MHz

06/06/2023

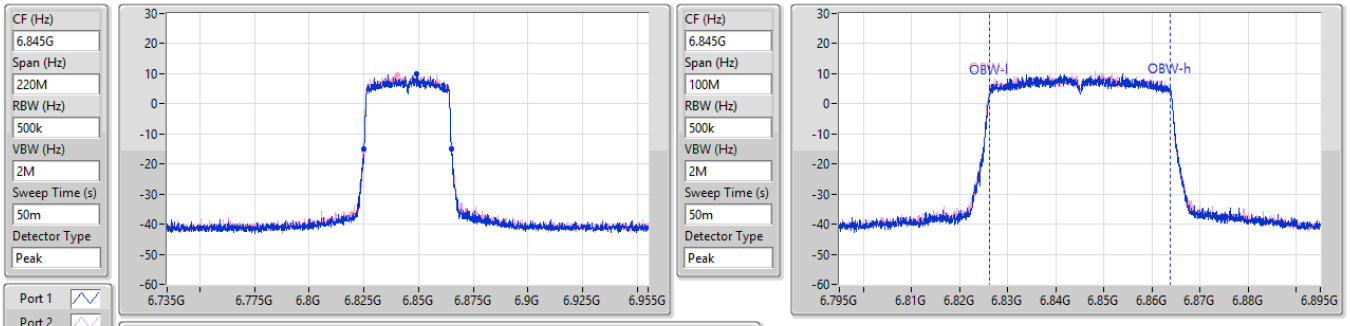


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.37M	6.66487G	6.70524G	37.631M	6.666209G	6.703841G	Inf	1
40.37M	6.66476G	6.70513G	37.581M	6.666209G	6.703791G	Inf	2

6.525-6.875GHz_802.11ax HEW40_Nss1,(MCS0)_2TX **EBW**

6845MHz

06/06/2023

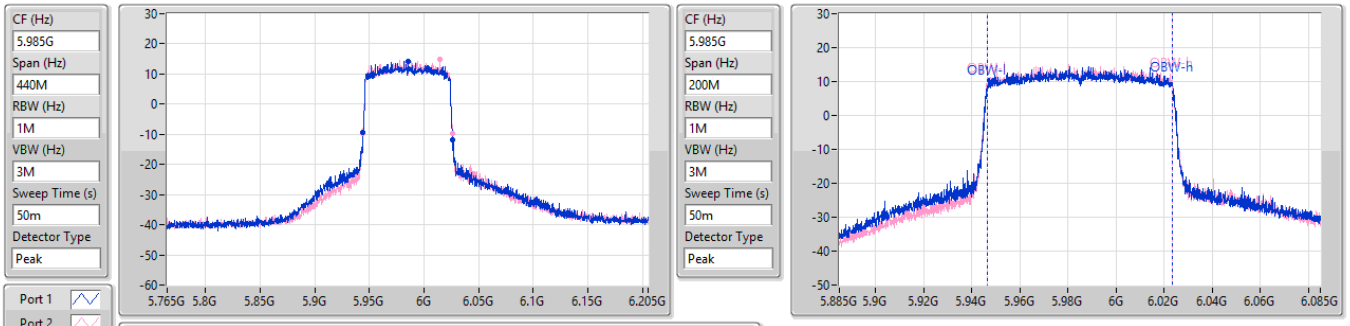


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.15M	6.82498G	6.86513G	37.581M	6.826259G	6.863841G	Inf	1
40.37M	6.82476G	6.86513G	37.631M	6.826209G	6.863841G	Inf	2

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

5985MHz

06/06/2023

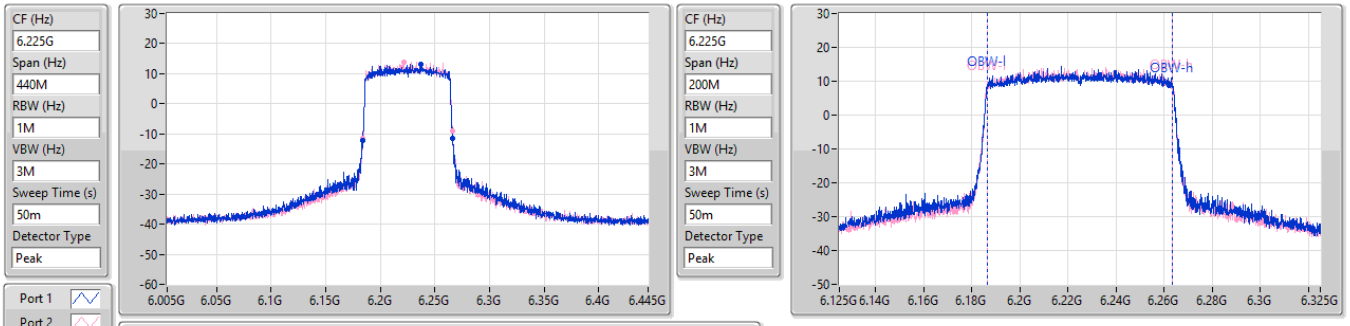


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.94408G	6.02614G	77.061M	5.946519G	6.023581G	Inf	1
82.06M	5.94408G	6.02614G	77.061M	5.946519G	6.023581G	Inf	2

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6225MHz

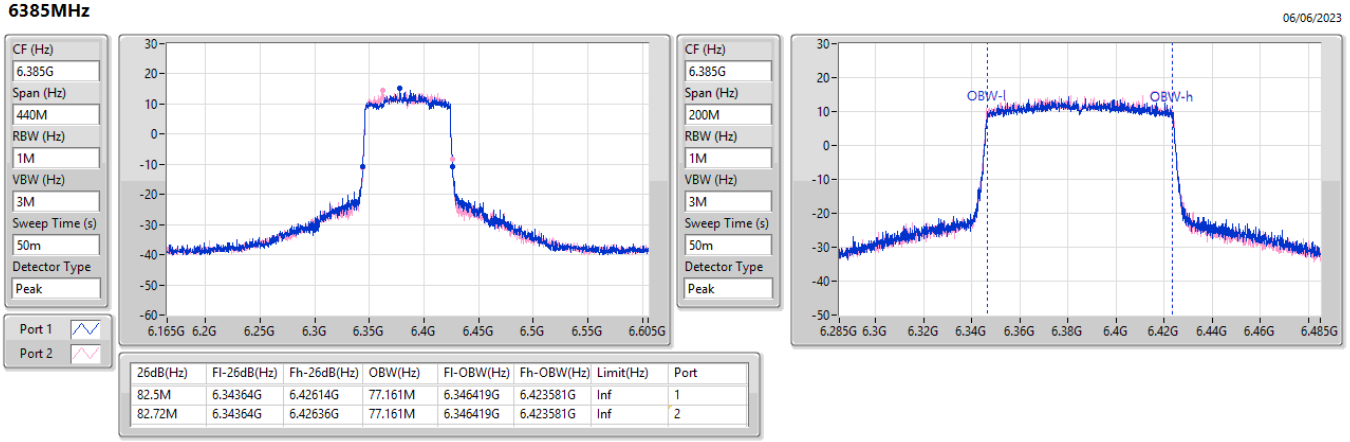
06/06/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.18386G	6.26636G	77.261M	6.186419G	6.263681G	Inf	1
81.84M	6.18408G	6.26592G	77.161M	6.186419G	6.263581G	Inf	2

5.925-6.425GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

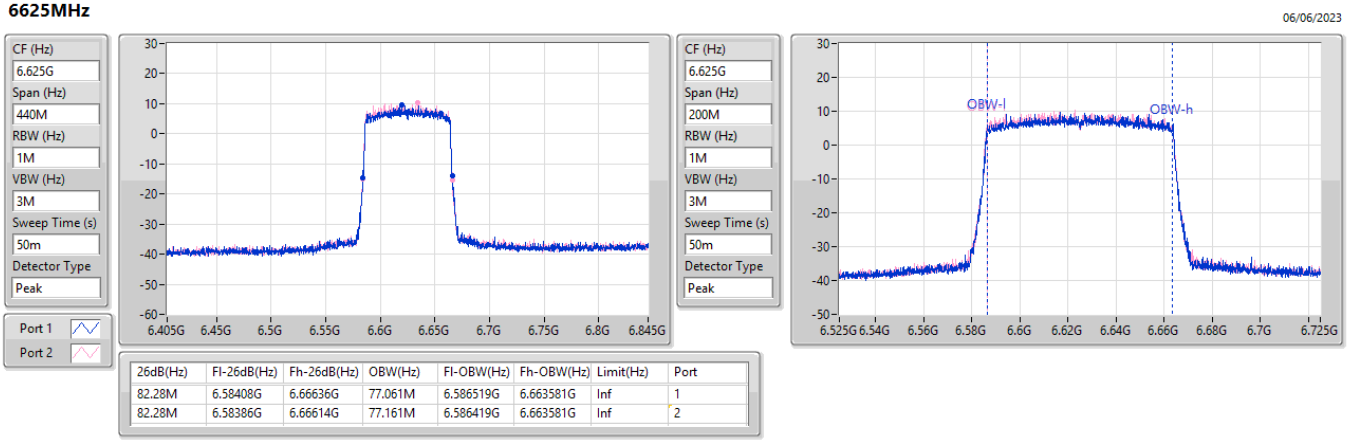
6385MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.34364G	6.42614G	77.161M	6.346419G	6.423581G	Inf	1
82.72M	6.34364G	6.42636G	77.161M	6.346419G	6.423581G	Inf	2

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6625MHz

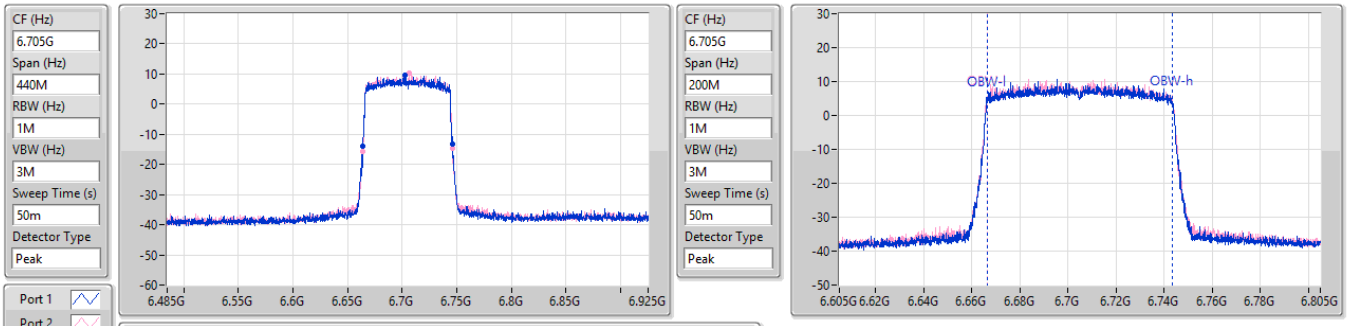


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	6.58408G	6.66636G	77.061M	6.586519G	6.663581G	Inf	1
82.28M	6.58386G	6.66614G	77.161M	6.586419G	6.663581G	Inf	2

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6705MHz

06/06/2023

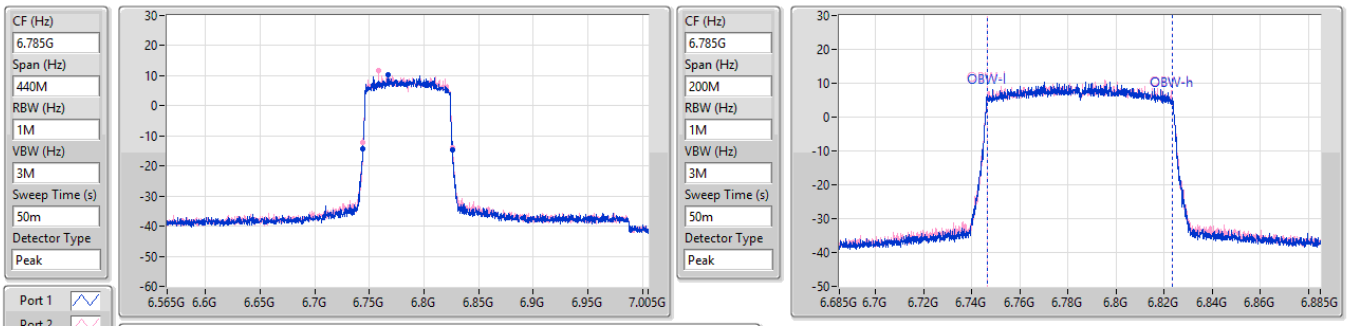


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.66408G	6.74592G	77.061M	6.666419G	6.743481G	Inf	1
82.72M	6.66364G	6.74636G	77.061M	6.666419G	6.743481G	Inf	2

6.525-6.875GHz_802.11ax HEW80_Nss1,(MCS0)_2TX **EBW**

6785MHz

06/06/2023

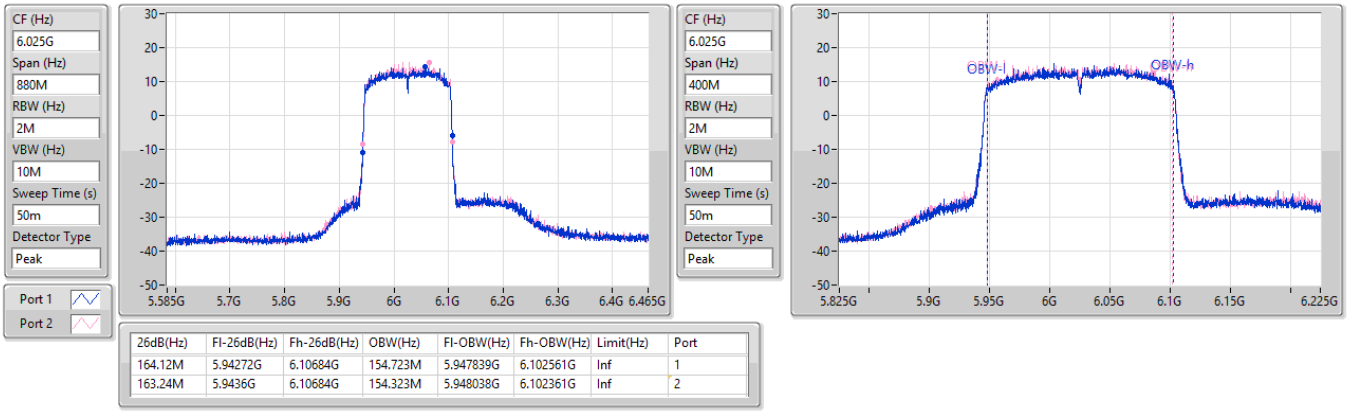


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.84M	6.74408G	6.82592G	77.061M	6.746419G	6.823481G	Inf	1
81.62M	6.74408G	6.8257G	77.161M	6.746419G	6.823581G	Inf	2

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6025MHz

06/06/2023

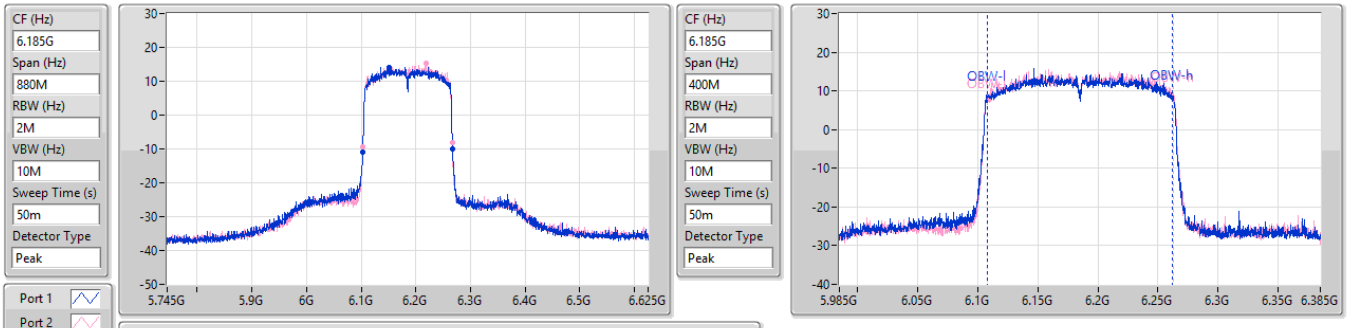


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	5.94272G	6.10684G	154.723M	5.947839G	6.102561G	Inf	1
163.24M	5.9436G	6.10684G	154.323M	5.948038G	6.102361G	Inf	2

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6185MHz

06/06/2023

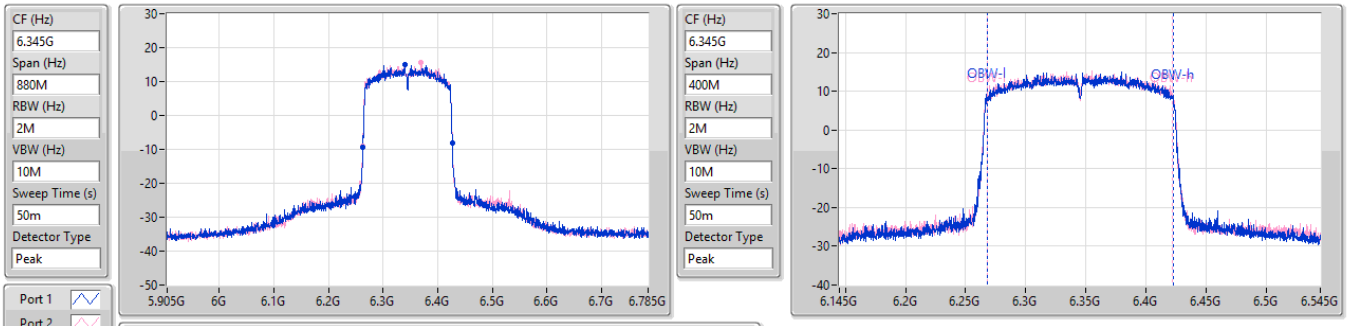


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	6.10316G	6.26728G	154.723M	6.107639G	6.262361G	Inf	1
164.56M	6.10272G	6.26728G	154.723M	6.108038G	6.262761G	Inf	2

5.925-6.425GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6345MHz

06/06/2023

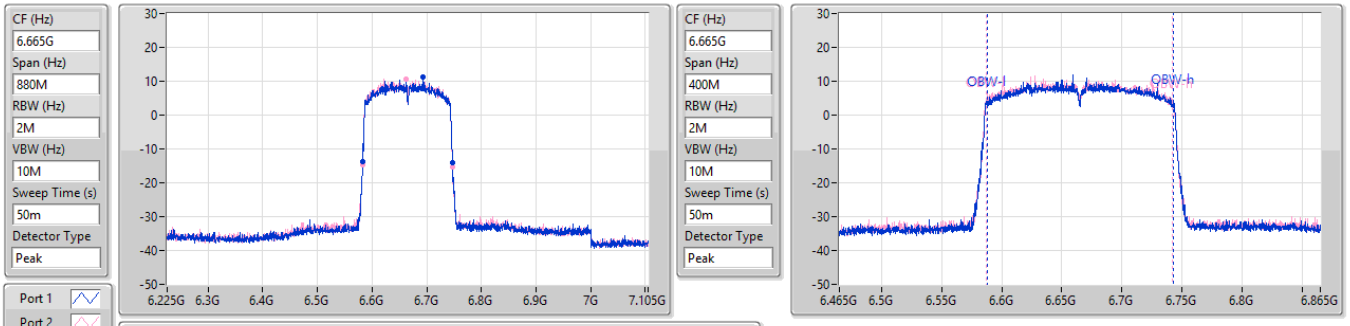


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.12M	6.26272G	6.42684G	154.923M	6.267639G	6.422561G	Inf	1
164.12M	6.26272G	6.42684G	154.723M	6.267639G	6.422361G	Inf	2

6.525-6.875GHz_802.11ax HEW160_Nss1,(MCS0)_2TX **EBW**

6665MHz

06/06/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.68M	6.58316G	6.74684G	154.923M	6.587639G	6.742561G	Inf	1
165M	6.58272G	6.74772G	154.723M	6.587439G	6.742161G	Inf	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.01M	18.891M	18M9D1D	20.57M	18.866M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.7M	37.681M	37M7D1D	39.93M	37.631M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	82.94M	77.161M	77M2D1D	82.06M	77.061M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	165.44M	155.122M	155MD1D	163.68M	154.523M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.9M	18.911M	18M9D1D	20.625M	18.841M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	40.48M	37.711M	37M7D1D	39.6M	37.601M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	82.72M	77.161M	77M2D1D	82.06M	76.962M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	165M	155.122M	155MD1D	164.56M	154.723M

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

Result

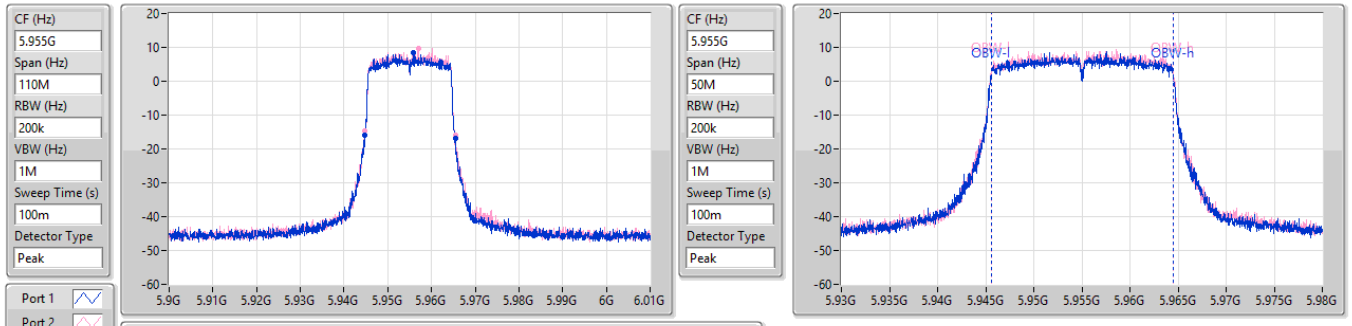
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	20.79M	18.866M	20.625M	18.866M
6195MHz	Pass	Inf	20.625M	18.866M	20.845M	18.891M
6415MHz	Pass	Inf	21.01M	18.866M	20.57M	18.866M
6535MHz	Pass	Inf	20.9M	18.891M	20.9M	18.891M
6695MHz	Pass	Inf	20.625M	18.891M	20.735M	18.841M
6855MHz Straddle 6.525-6.875GHz	Pass	Inf	20.735M	18.911M	20.735M	18.911M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	39.93M	37.631M	40.48M	37.681M
6205MHz	Pass	Inf	40.7M	37.631M	40.15M	37.681M
6405MHz	Pass	Inf	40.26M	37.681M	40.37M	37.631M
6565MHz	Pass	Inf	39.82M	37.681M	40.37M	37.631M
6685MHz	Pass	Inf	39.6M	37.681M	39.6M	37.631M
6845MHz Straddle 6.525-6.875GHz	Pass	Inf	40.48M	37.711M	40.37M	37.601M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	82.06M	77.061M	82.06M	77.061M
6225MHz	Pass	Inf	82.72M	77.061M	82.5M	77.161M
6385MHz	Pass	Inf	82.06M	77.161M	82.94M	77.161M
6625MHz	Pass	Inf	82.06M	77.161M	82.5M	77.061M
6705MHz	Pass	Inf	82.5M	77.161M	82.06M	77.061M
6785MHz	Pass	Inf	82.72M	76.962M	82.5M	77.161M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	165.44M	154.723M	164.12M	154.723M
6185MHz	Pass	Inf	164.56M	154.523M	164.56M	155.122M
6345MHz	Pass	Inf	163.68M	154.923M	164.12M	154.923M
6665MHz	Pass	Inf	165M	154.723M	164.56M	155.122M

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

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

5955MHz

28/07/2023

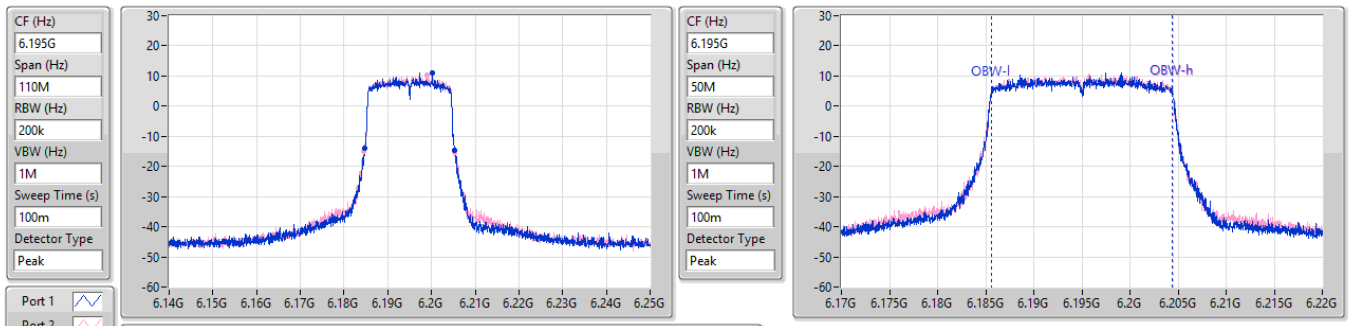


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	5.94466G	5.96545G	18.866M	5.945605G	5.96447G	Inf	1
20.625M	5.944825G	5.96545G	18.866M	5.945605G	5.96447G	Inf	2

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

6195MHz

28/07/2023

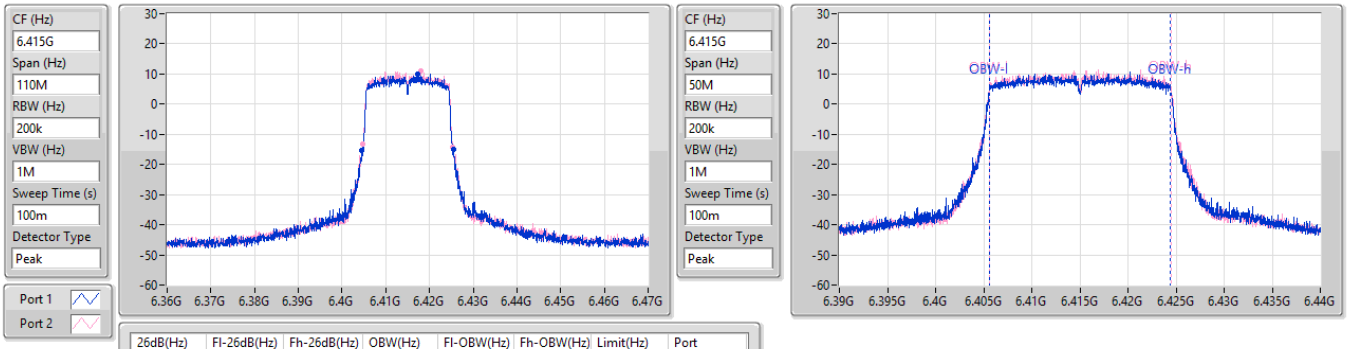


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.18477G	6.205395G	18.866M	6.18558G	6.204445G	Inf	1
20.845M	6.18455G	6.205395G	18.891M	6.18558G	6.20447G	Inf	2

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

6415MHz

28/07/2023

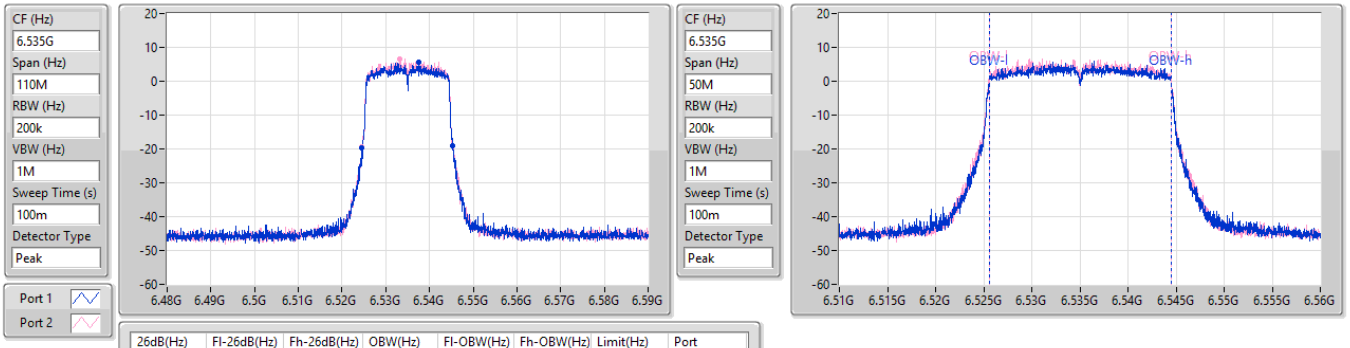


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.404495G	6.425505G	18.866M	6.40558G	6.424445G	Inf	1
20.57M	6.404825G	6.425395G	18.866M	6.405605G	6.42447G	Inf	2

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

6535MHz

28/07/2023

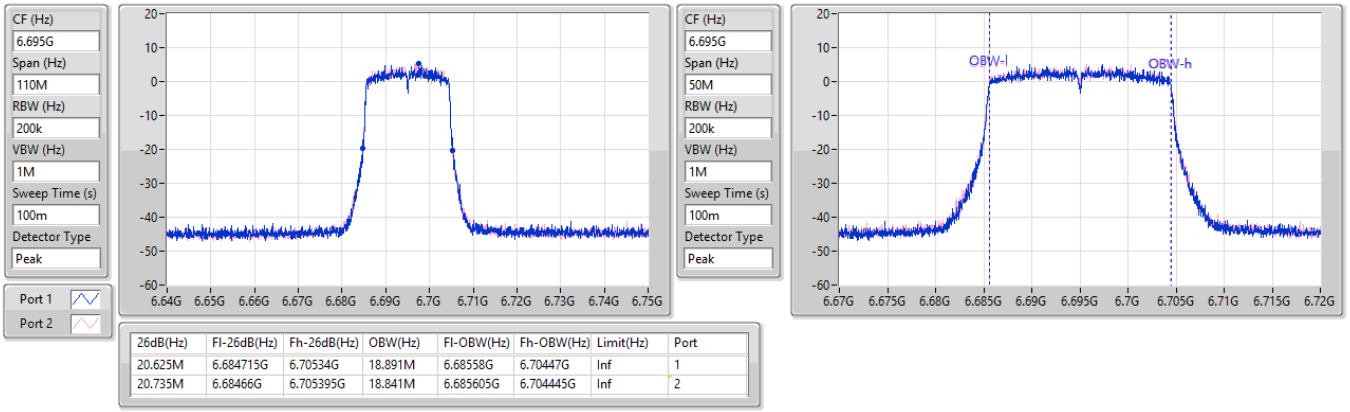


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.9M	6.524495G	6.545395G	18.891M	6.52558G	6.54447G	Inf	1
20.9M	6.524495G	6.545395G	18.891M	6.52558G	6.54447G	Inf	2

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

6695MHz

28/07/2023

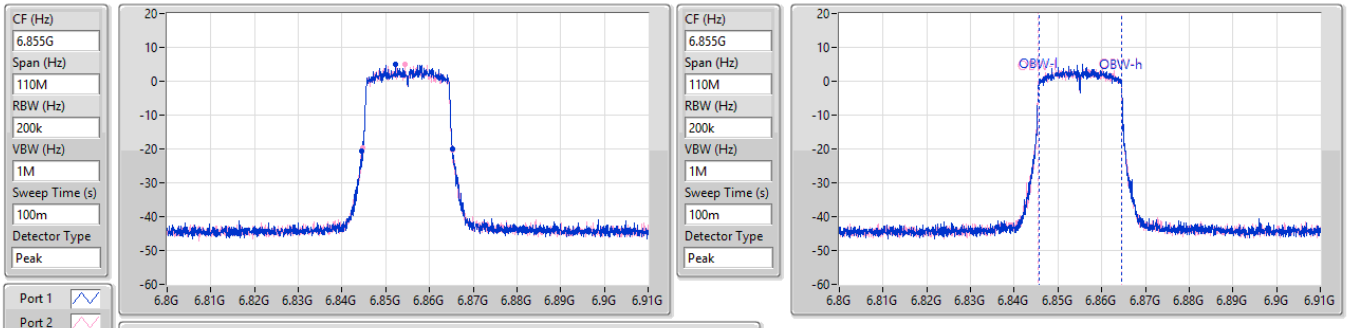


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.684715G	6.70534G	18.891M	6.68558G	6.70447G	Inf	1
20.735M	6.68466G	6.705395G	18.841M	6.685605G	6.704445G	Inf	2

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

6855MHz Straddle 6.525-6.875GHz

28/07/2023

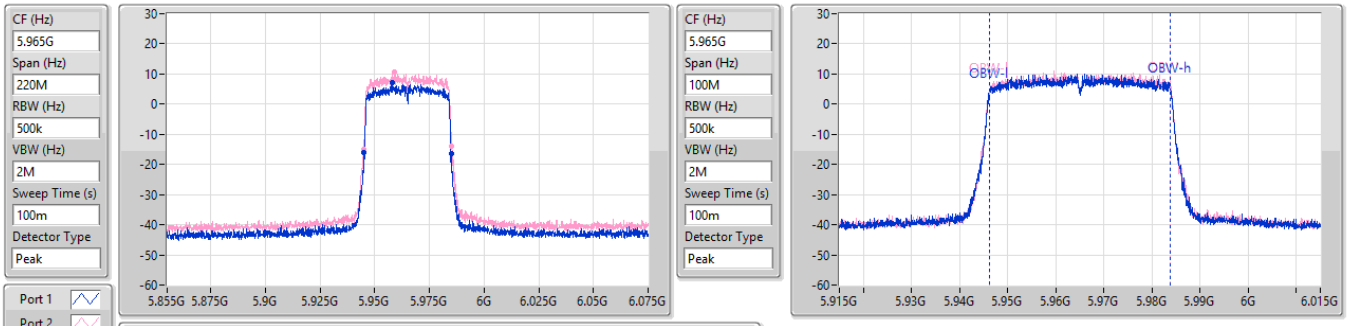


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.735M	6.84455G	6.865285G	18.911M	6.8456G	6.86451G	Inf	1
20.735M	6.844605G	6.86534G	18.911M	6.845545G	6.864455G	Inf	2

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

5965MHz

28/07/2023

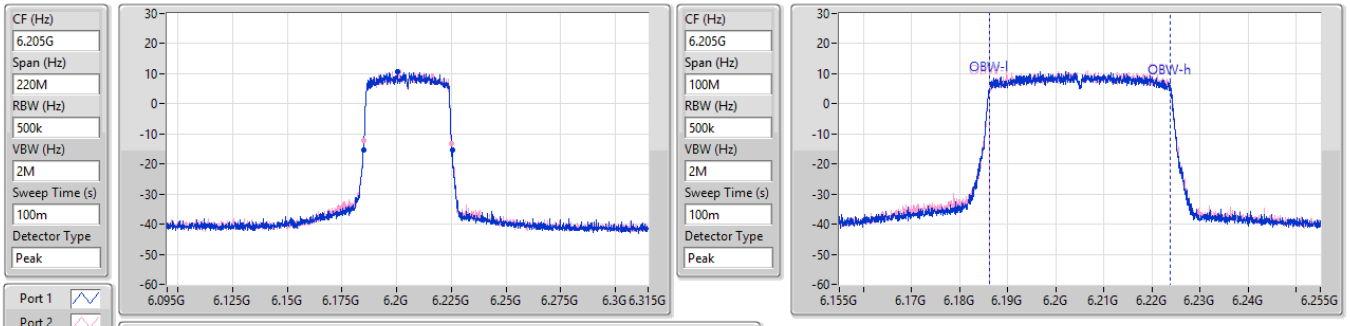


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.93M	5.94498G	5.98491G	37.631M	5.946209G	5.983841G	Inf	1
40.48M	5.94476G	5.98524G	37.681M	5.946209G	5.983891G	Inf	2

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

6205MHz

28/07/2023

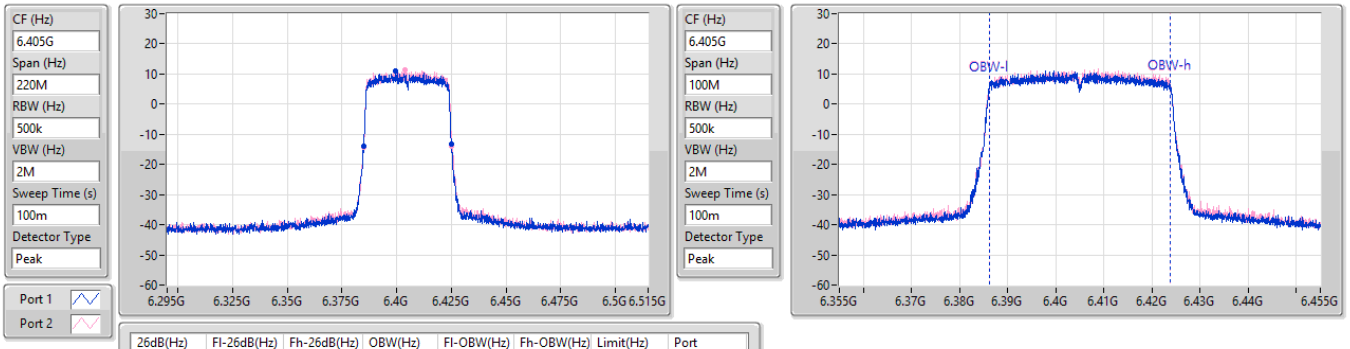


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.7M	6.18476G	6.22546G	37.631M	6.186209G	6.223841G	Inf	1
40.15M	6.18498G	6.22513G	37.681M	6.186209G	6.223891G	Inf	2

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

6405MHz

28/07/2023

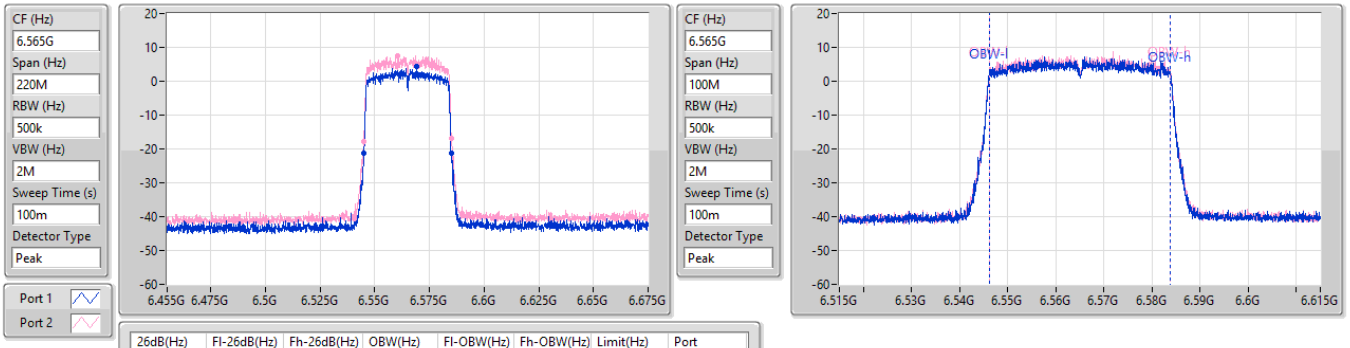


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.26M	6.38476G	6.42502G	37.681M	6.386159G	6.423841G	Inf	1
40.37M	6.38487G	6.42524G	37.631M	6.386209G	6.423841G	Inf	2

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

6565MHz

28/07/2023

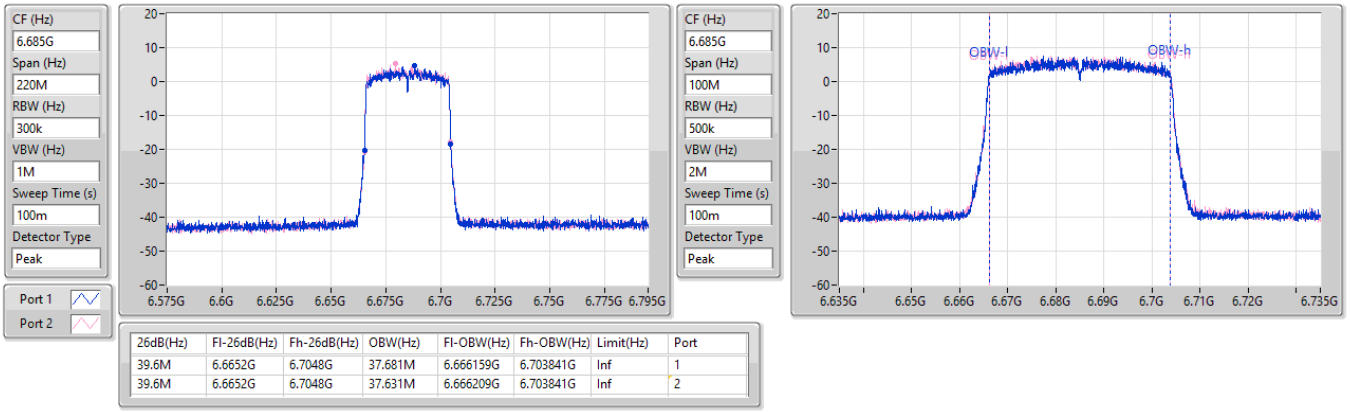


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.82M	6.54509G	6.58491G	37.681M	6.546159G	6.583841G	Inf	1
40.37M	6.54487G	6.58524G	37.631M	6.546209G	6.583841G	Inf	2

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

6685MHz

28/07/2023

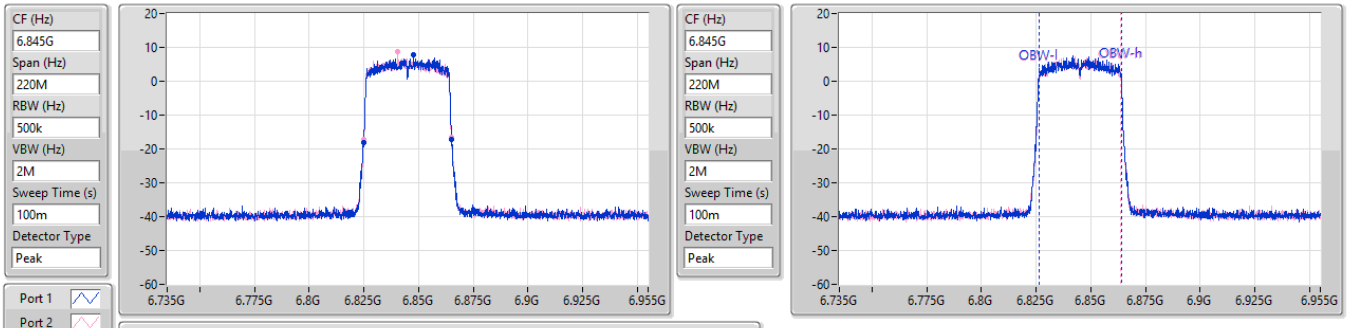


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	6.6652G	6.7048G	37.681M	6.666159G	6.703841G	Inf	1
39.6M	6.6652G	6.7048G	37.631M	6.666209G	6.703841G	Inf	2

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

6845MHz Straddle 6.525-6.875GHz

28/07/2023

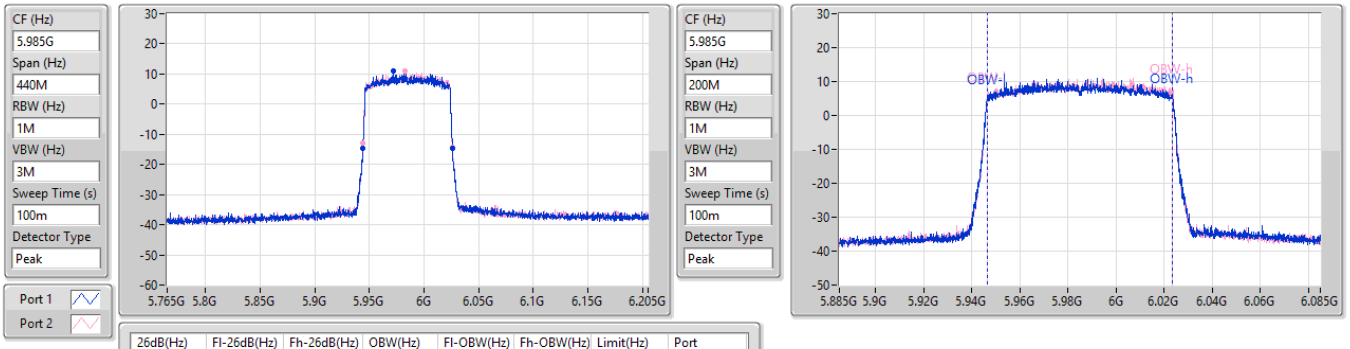


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.48M	6.82476G	6.86524G	37.711M	6.826199G	6.863911G	Inf	1
40.37M	6.82476G	6.86513G	37.601M	6.826199G	6.863801G	Inf	2

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

5985MHz

28/07/2023

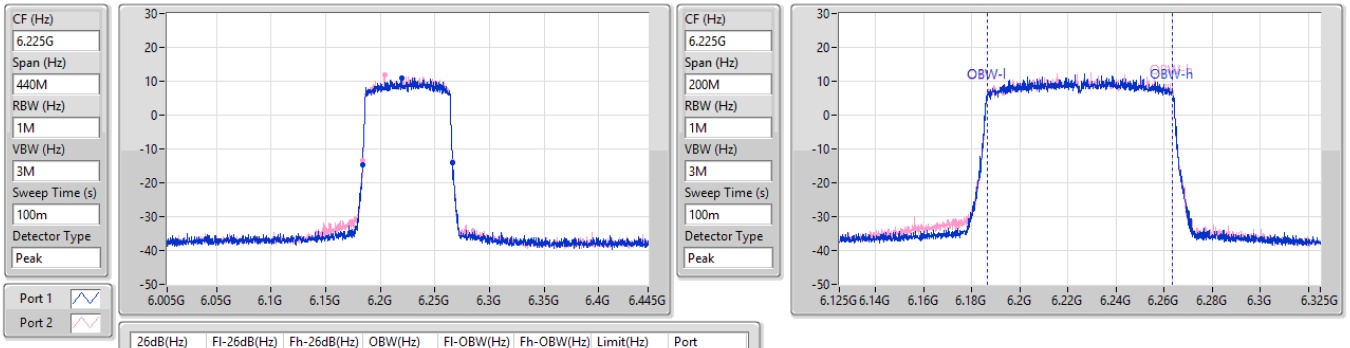


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	5.94408G	6.02614G	77.061M	5.946519G	6.023581G	Inf	1
82.06M	5.94408G	6.02614G	77.061M	5.946619G	6.023681G	Inf	2

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

6225MHz

28/07/2023

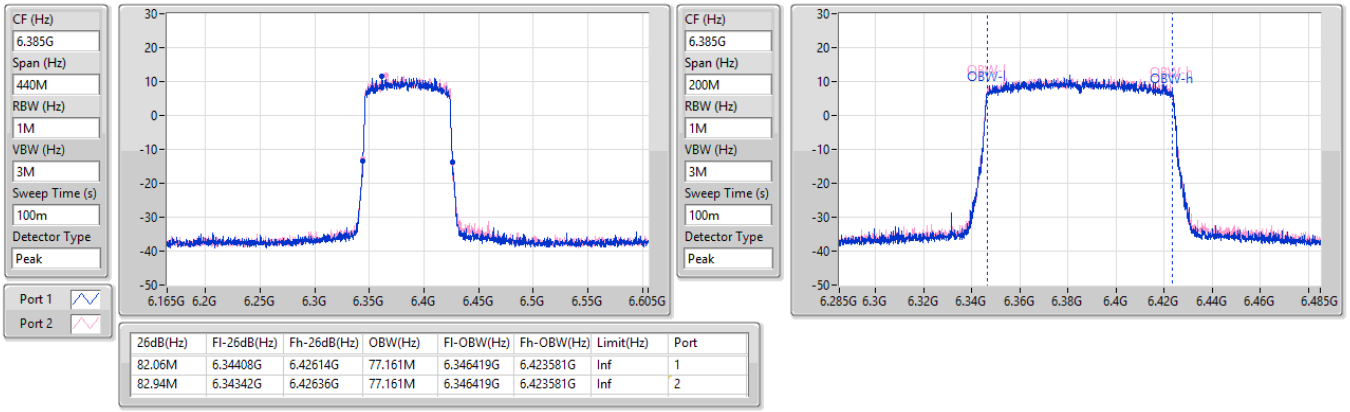


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	6.18364G	6.26636G	77.061M	6.186519G	6.263581G	Inf	1
82.5M	6.18364G	6.26614G	77.161M	6.186519G	6.263681G	Inf	2

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

6385MHz

28/07/2023

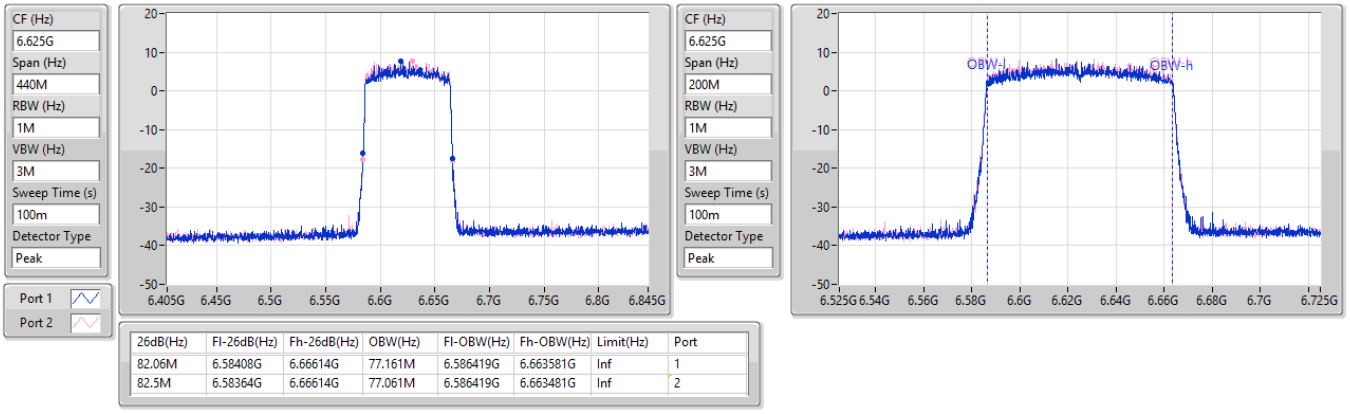


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.34408G	6.42614G	77.161M	6.346419G	6.423581G	Inf	1
82.94M	6.34342G	6.42636G	77.161M	6.346419G	6.423581G	Inf	2

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

6625MHz

28/07/2023

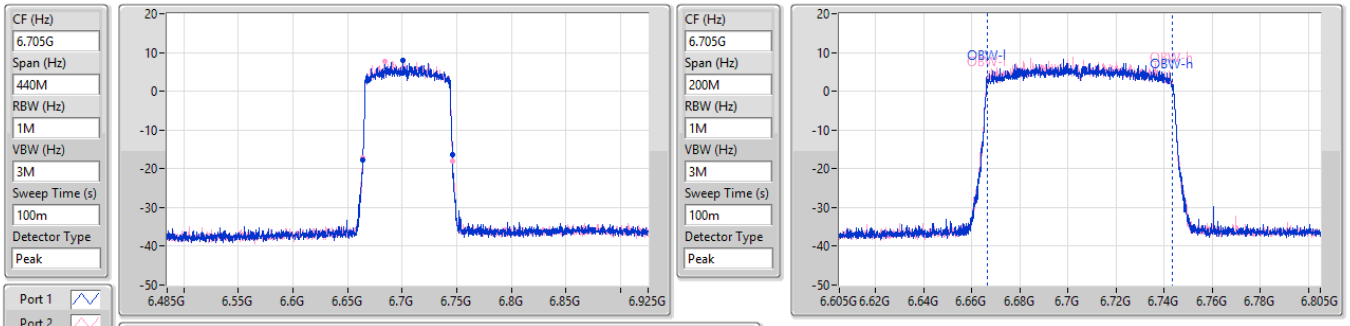


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.58408G	6.66614G	77.161M	6.586419G	6.663581G	Inf	1
82.5M	6.58364G	6.66614G	77.061M	6.586419G	6.663481G	Inf	2

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

6705MHz

28/07/2023

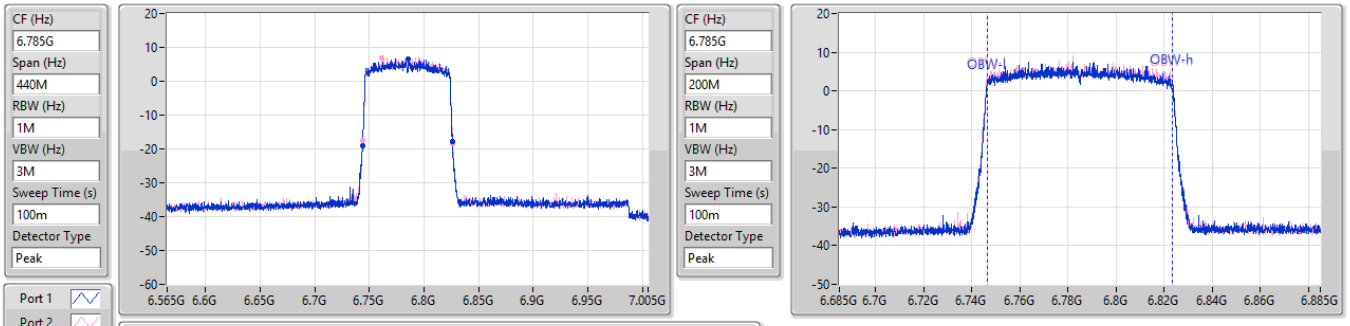


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.5M	6.66386G	6.74636G	77.161M	6.666419G	6.743581G	Inf	1
82.06M	6.66408G	6.74614G	77.061M	6.666419G	6.743481G	Inf	2

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

6785MHz

28/07/2023

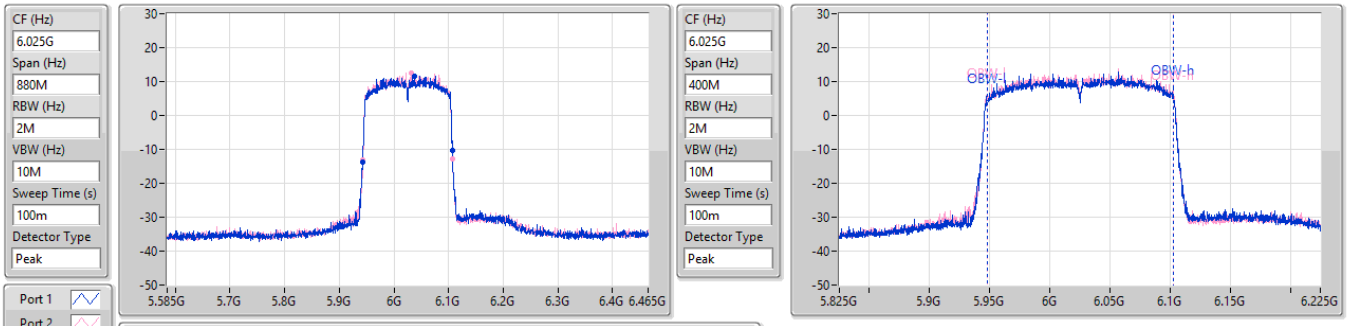


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	6.74342G	6.82614G	76.962M	6.746519G	6.823481G	Inf	1
82.5M	6.74342G	6.82592G	77.161M	6.746419G	6.823581G	Inf	2

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

6025MHz

28/07/2023

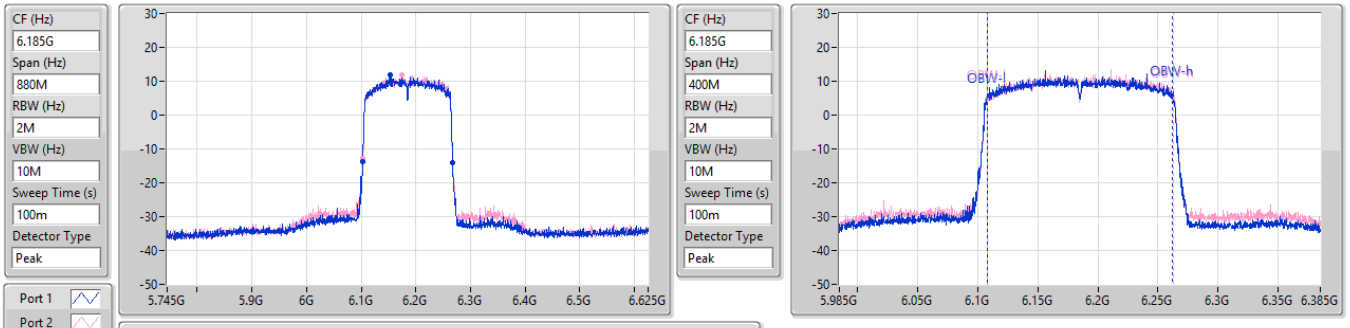


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.44M	5.94184G	6.10728G	154.723M	5.947839G	6.102561G	Inf	1
164.12M	5.94316G	6.10728G	154.723M	5.947839G	6.102561G	Inf	2

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

6185MHz

28/07/2023

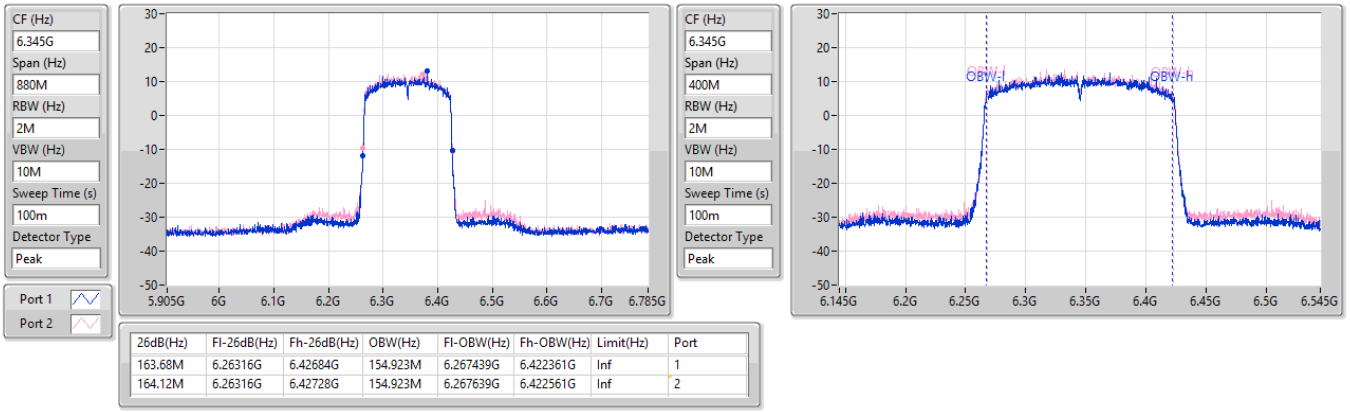


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	6.10316G	6.26772G	154.523M	6.107839G	6.262361G	Inf	1
164.56M	6.10316G	6.26772G	155.122M	6.107639G	6.262761G	Inf	2

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

6345MHz

28/07/2023

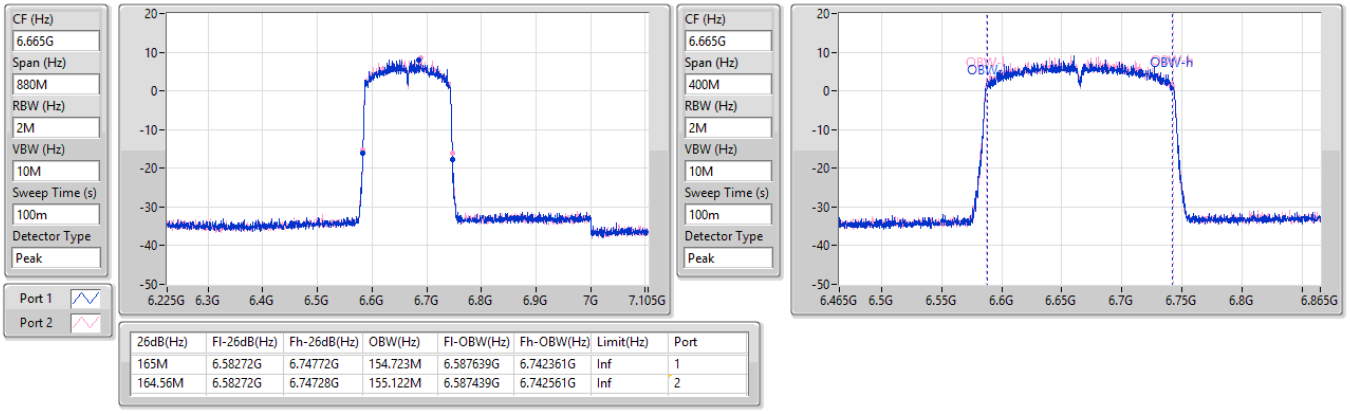


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.68M	6.26316G	6.42684G	154.923M	6.267439G	6.422361G	Inf	1
164.12M	6.26316G	6.42728G	154.923M	6.267639G	6.422561G	Inf	2

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

6665MHz

28/07/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165M	6.58272G	6.74772G	154.723M	6.587639G	6.742361G	Inf	1
164.56M	6.58272G	6.74728G	155.122M	6.587439G	6.742561G	Inf	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
5.925-6.425GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	41.085M	22.364M	22M4D1D	30.745M	19.215M
802.11ax HEW40_Nss1,(MCS0)_1TX	85.91M	41.379M	41M4D1D	48.73M	37.881M
802.11ax HEW80_Nss1,(MCS0)_1TX	165.44M	90.255M	90M3D1D	153.56M	78.461M
802.11ax HEW160_Nss1,(MCS0)_1TX	300.08M	159.12M	159MD1D	188.32M	155.722M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	22.275M	18.941M	18M9D1D	20.79M	18.891M
802.11ax HEW40_Nss1,(MCS0)_1TX	40.81M	37.831M	37M8D1D	40.59M	37.731M
802.11ax HEW80_Nss1,(MCS0)_1TX	82.72M	77.261M	77M3D1D	82.06M	77.161M
802.11ax HEW160_Nss1,(MCS0)_1TX	167.2M	155.322M	155MD1D	167.2M	155.322M

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

Result

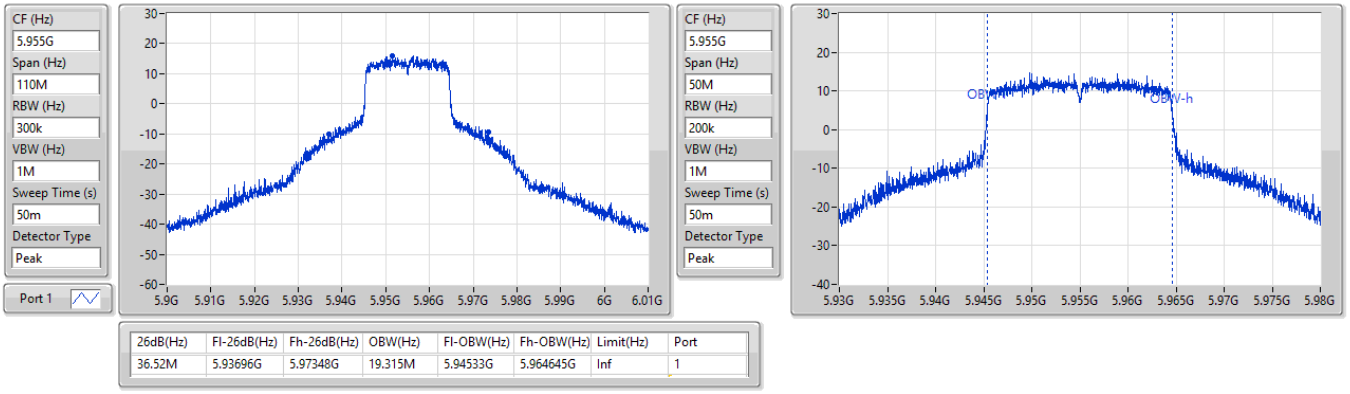
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	36.52M	19.315M
6195MHz	Pass	Inf	30.745M	19.215M
6415MHz	Pass	Inf	41.085M	22.364M
6535MHz	Pass	Inf	21.01M	18.891M
6695MHz	Pass	Inf	20.79M	18.941M
6855MHz	Pass	Inf	22.275M	18.891M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5965MHz	Pass	Inf	48.73M	37.881M
6205MHz	Pass	Inf	67.43M	38.281M
6405MHz	Pass	Inf	85.91M	41.379M
6565MHz	Pass	Inf	40.59M	37.731M
6685MHz	Pass	Inf	40.81M	37.781M
6845MHz	Pass	Inf	40.7M	37.831M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5985MHz	Pass	Inf	162.8M	82.459M
6225MHz	Pass	Inf	153.56M	78.461M
6385MHz	Pass	Inf	165.44M	90.255M
6625MHz	Pass	Inf	82.72M	77.161M
6705MHz	Pass	Inf	82.06M	77.261M
6785MHz	Pass	Inf	82.28M	77.261M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
6025MHz	Pass	Inf	188.32M	155.722M
6185MHz	Pass	Inf	299.2M	158.121M
6345MHz	Pass	Inf	300.08M	159.12M
6665MHz	Pass	Inf	167.2M	155.322M

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

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

5955MHz

06/06/2023

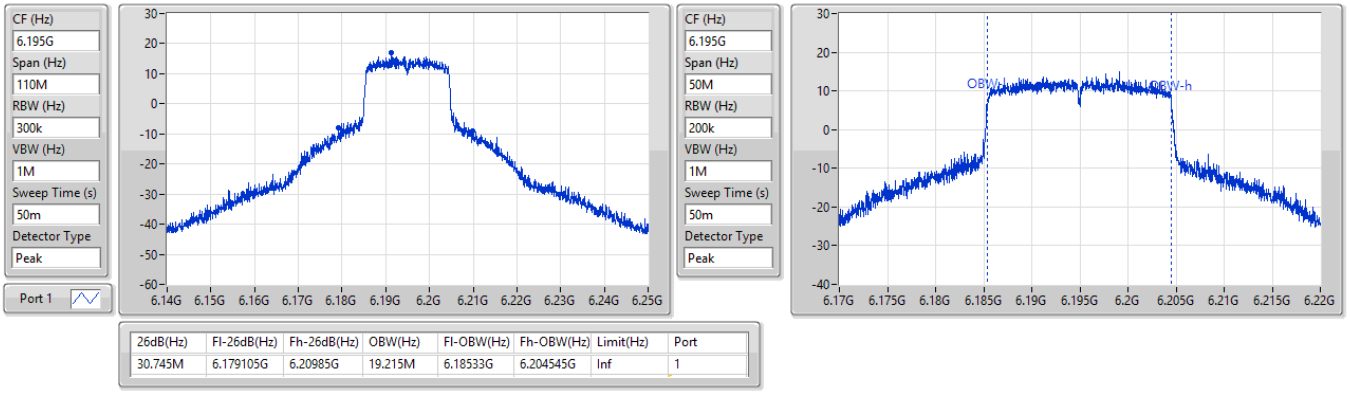


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.52M	5.93696G	5.97348G	19.315M	5.94533G	5.964645G	Inf	1

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

6195MHz

06/06/2023

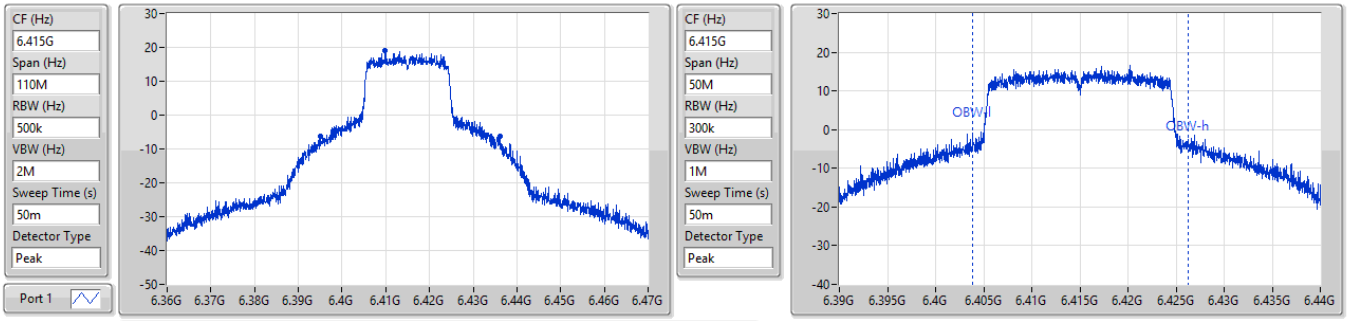


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.745M	6.179105G	6.20985G	19.215M	6.18533G	6.204545G	Inf	1

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

6415MHz

06/06/2023

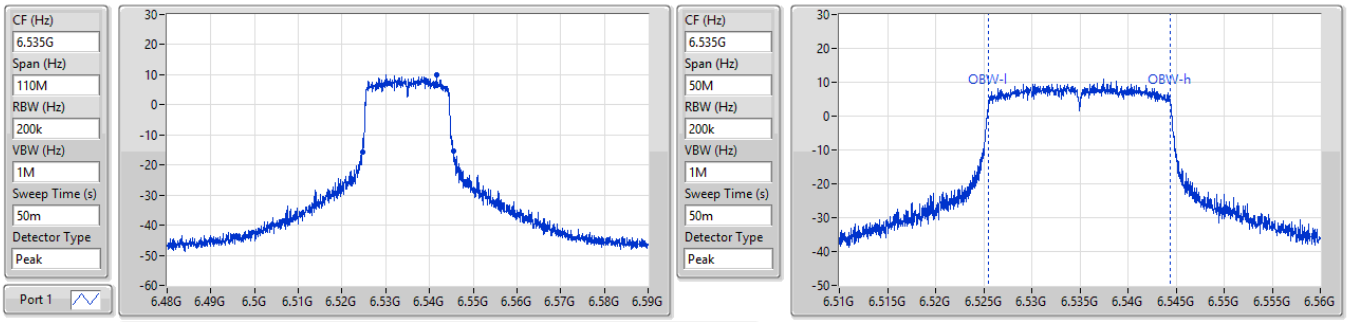


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.085M	6.39498G	6.436065G	22.364M	6.403881G	6.426244G	Inf	1

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

6535MHz

06/06/2023

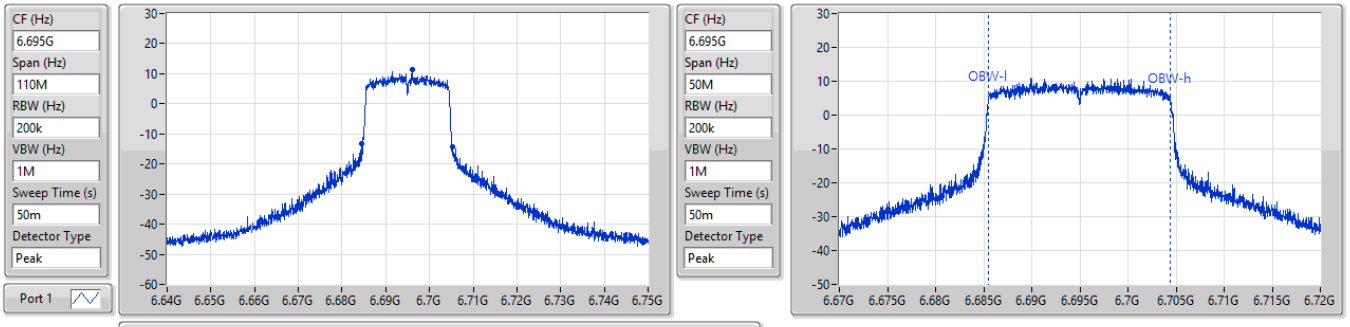


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.01M	6.524605G	6.545615G	18.891M	6.52553G	6.54442G	Inf	1

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

6695MHz

06/06/2023

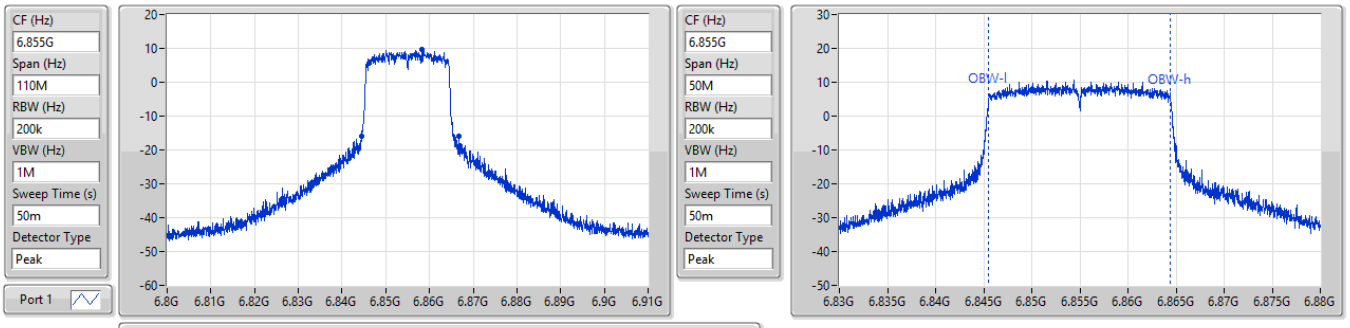


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.79M	6.68455G	6.70534G	18.941M	6.685505G	6.704445G	Inf	1

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

6855MHz

06/06/2023

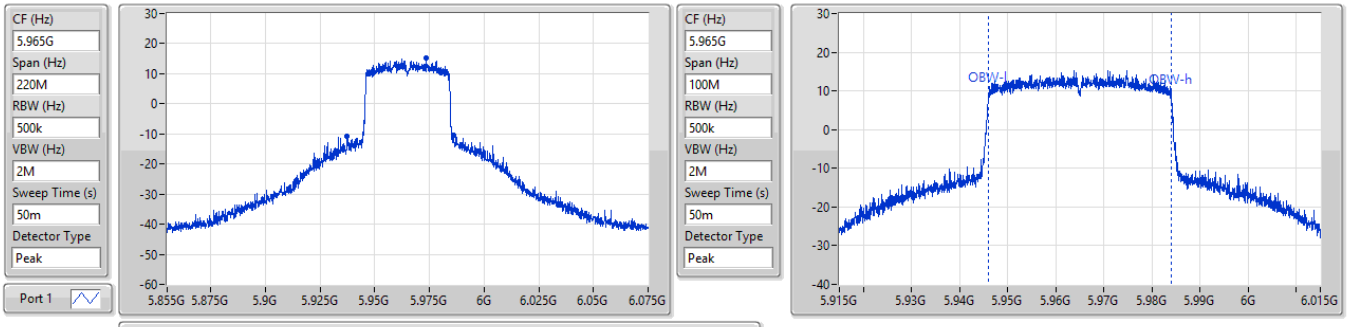


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
22.275M	6.84444G	6.866715G	18.891M	6.84553G	6.86442G	Inf	1

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

5965MHz

06/06/2023

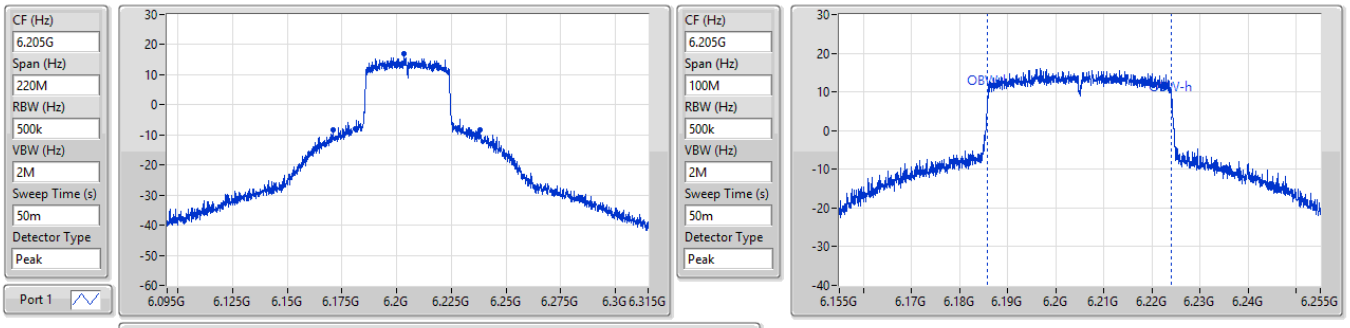


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
48.73M	5.93739G	5.98612G	37.881M	5.946059G	5.983941G	Inf	1

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

6205MHz

06/06/2023

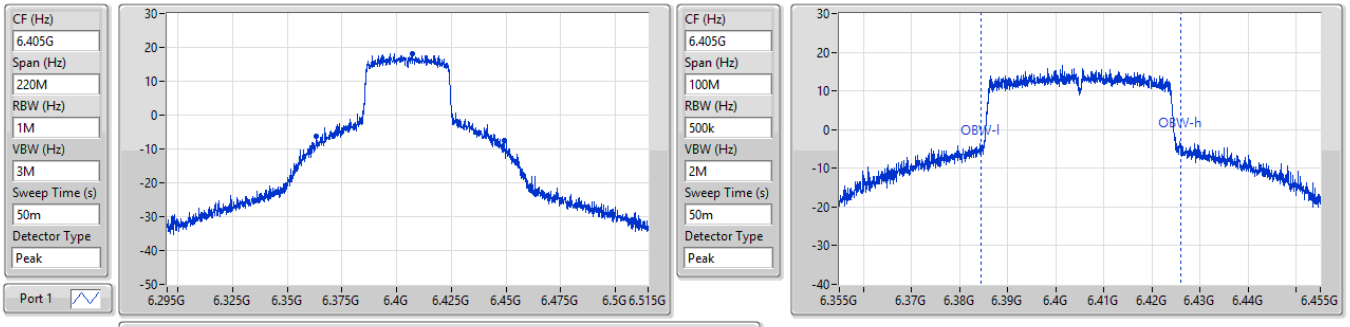


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
67.43M	6.17068G	6.23811G	38.281M	6.18581G	6.22409G	Inf	1

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

6405MHz

06/06/2023

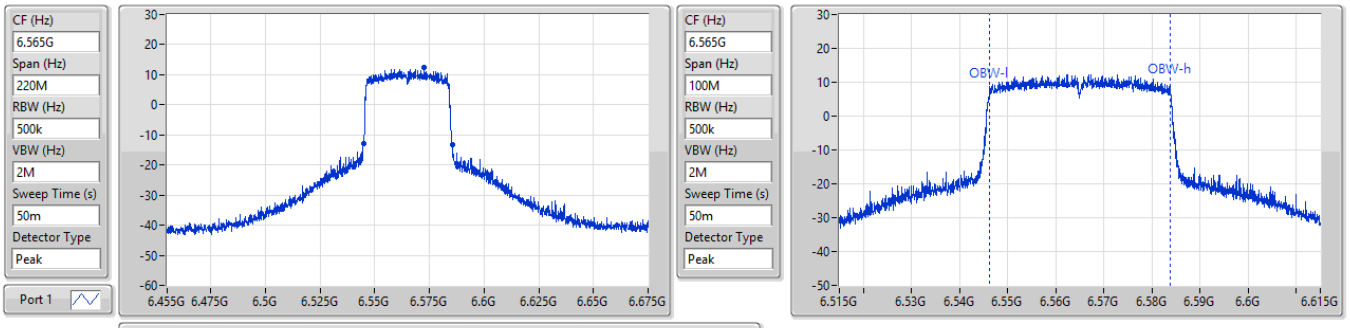


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.91M	6.3632G	6.44911G	41.379M	6.38456G	6.42594G	Inf	1

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

6565MHz

06/06/2023

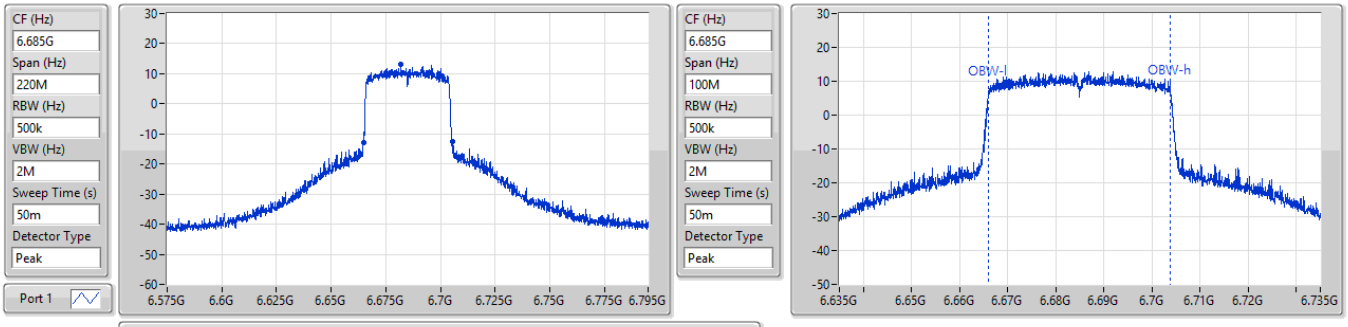


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.59M	6.54476G	6.58535G	37.731M	6.546109G	6.583841G	Inf	1

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

6685MHz

06/06/2023

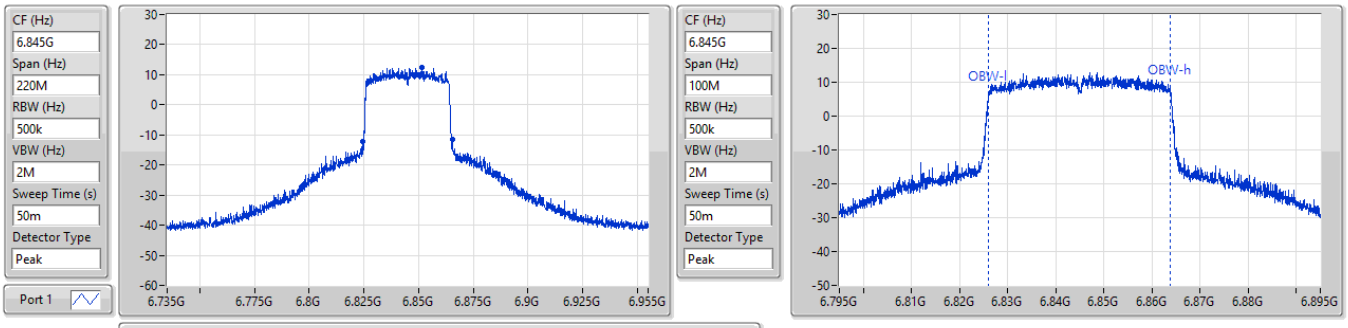


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.81M	6.66476G	6.70557G	37.781M	6.666059G	6.703841G	Inf	1

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

6845MHz

06/06/2023

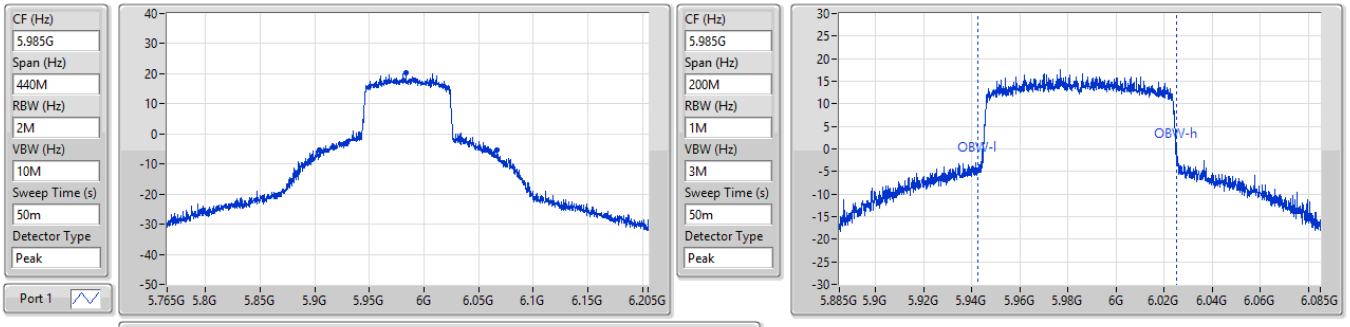


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
40.7M	6.82465G	6.86535G	37.831M	6.826059G	6.863891G	Inf	1

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

5985MHz

06/06/2023

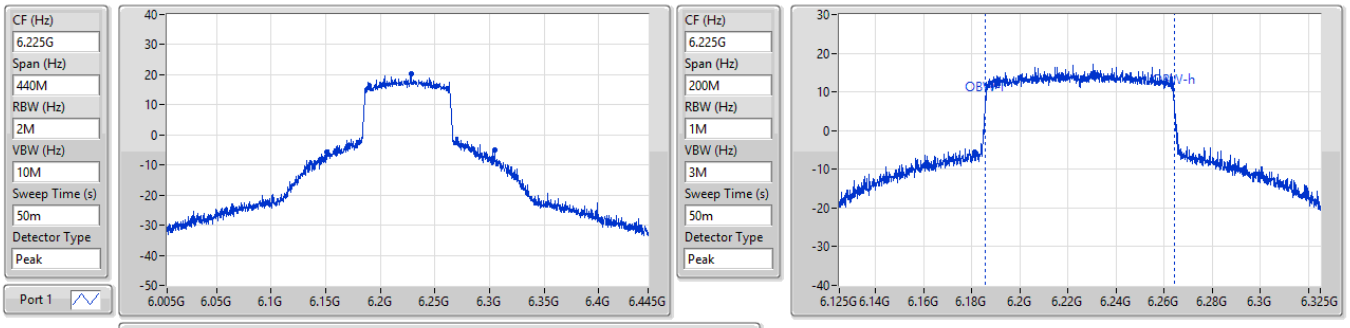


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.8M	5.90426G	6.06706G	82.459M	5.942621G	6.02508G	Inf	1

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

6225MHz

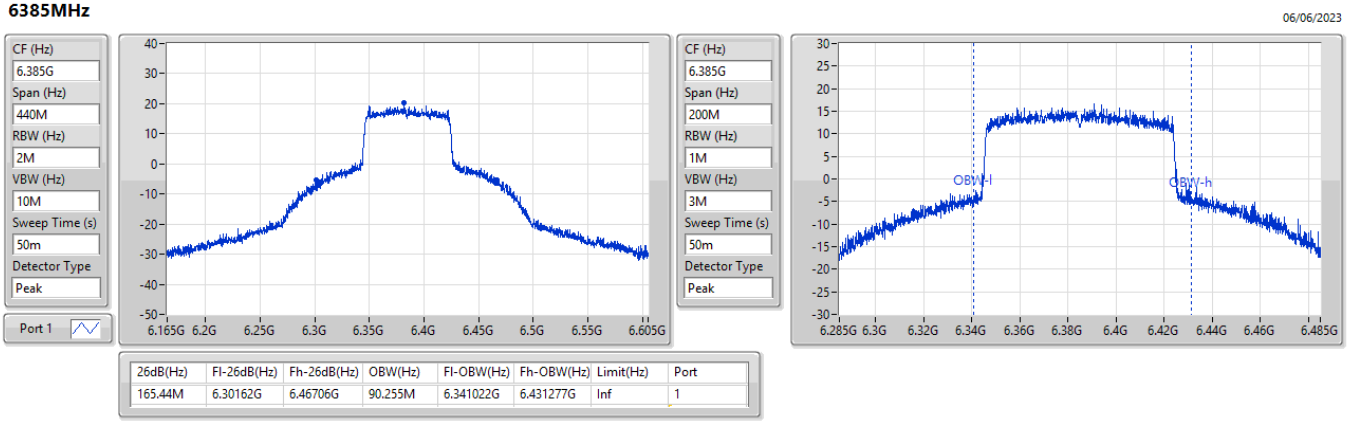
06/06/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
153.56M	6.15086G	6.30442G	78.461M	6.18572G	6.26418G	Inf	1

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

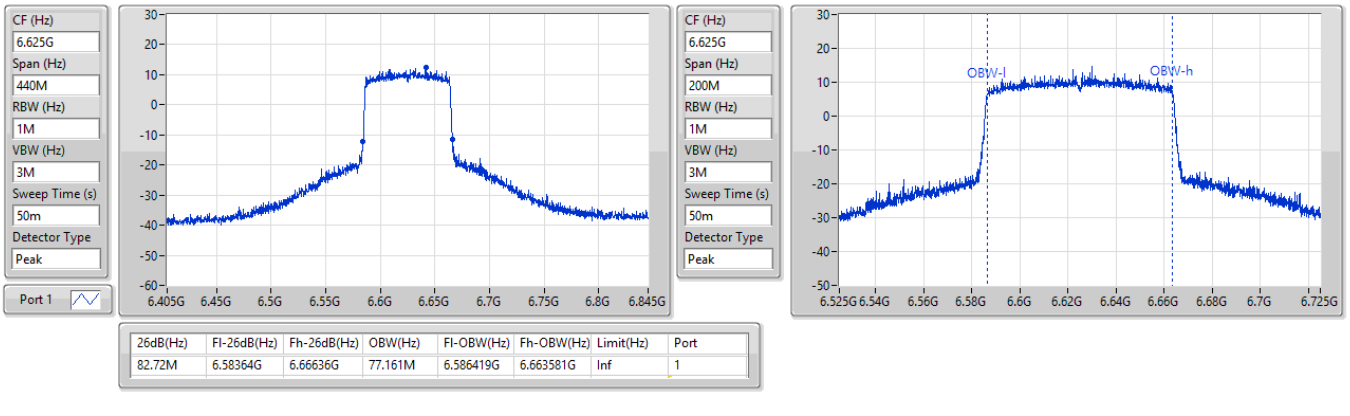
6385MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165.44M	6.30162G	6.46706G	90.255M	6.341022G	6.431277G	Inf	1

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

6625MHz

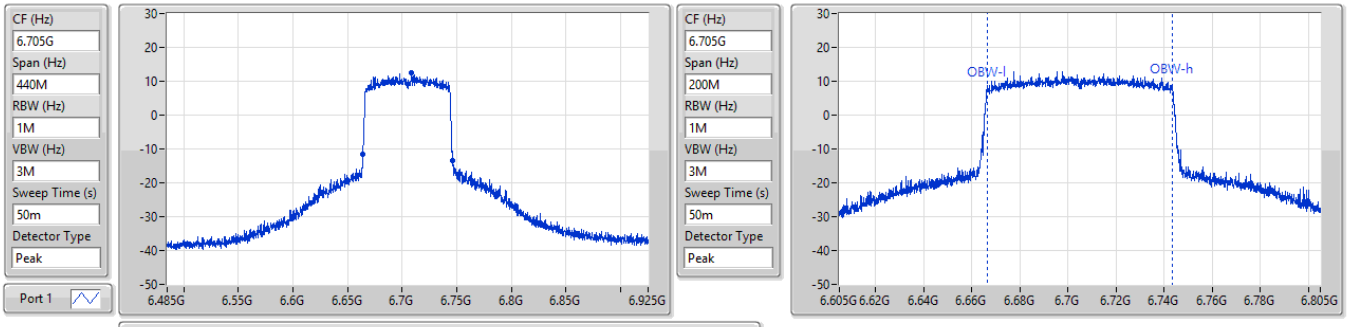


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.72M	6.58364G	6.66636G	77.161M	6.586419G	6.663581G	Inf	1

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

6705MHz

06/06/2023

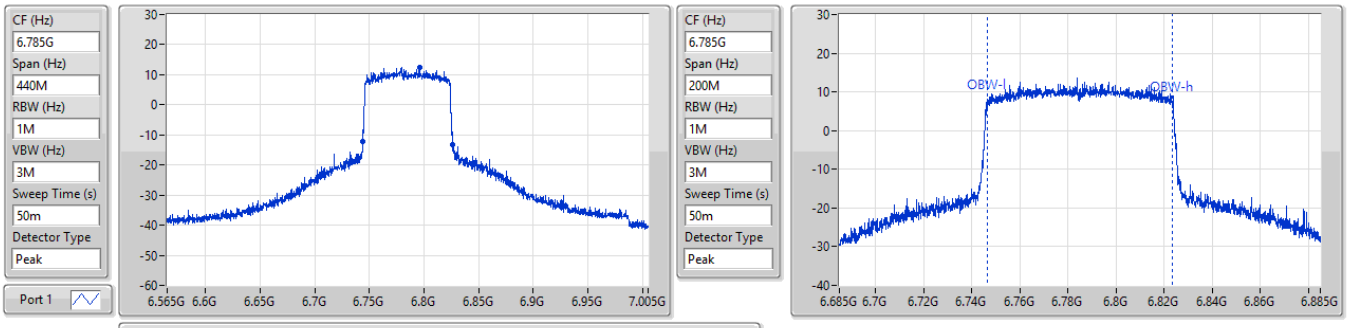


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.06M	6.66408G	6.74614G	77.261M	6.666319G	6.743581G	Inf	1

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

6785MHz

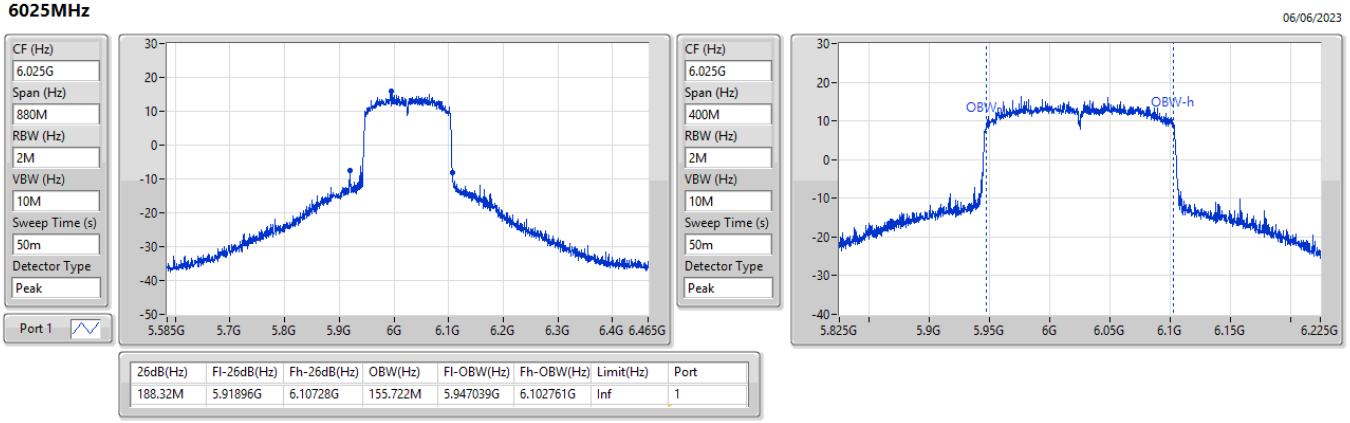
06/06/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	6.74386G	6.82614G	77.261M	6.746319G	6.823581G	Inf	1

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

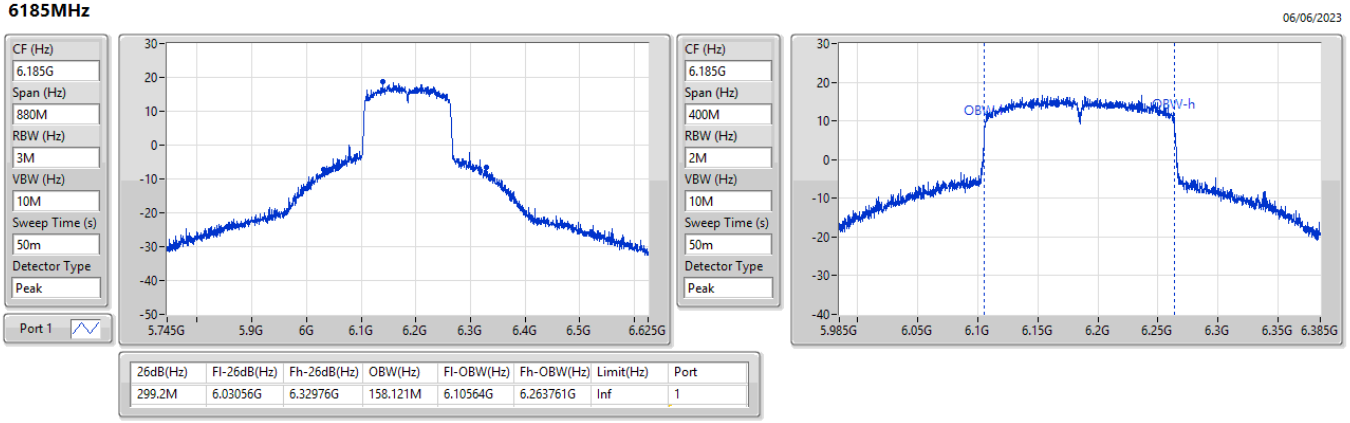
6025MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
188.32M	5.91896G	6.10728G	155.722M	5.947039G	6.102761G	Inf	1

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

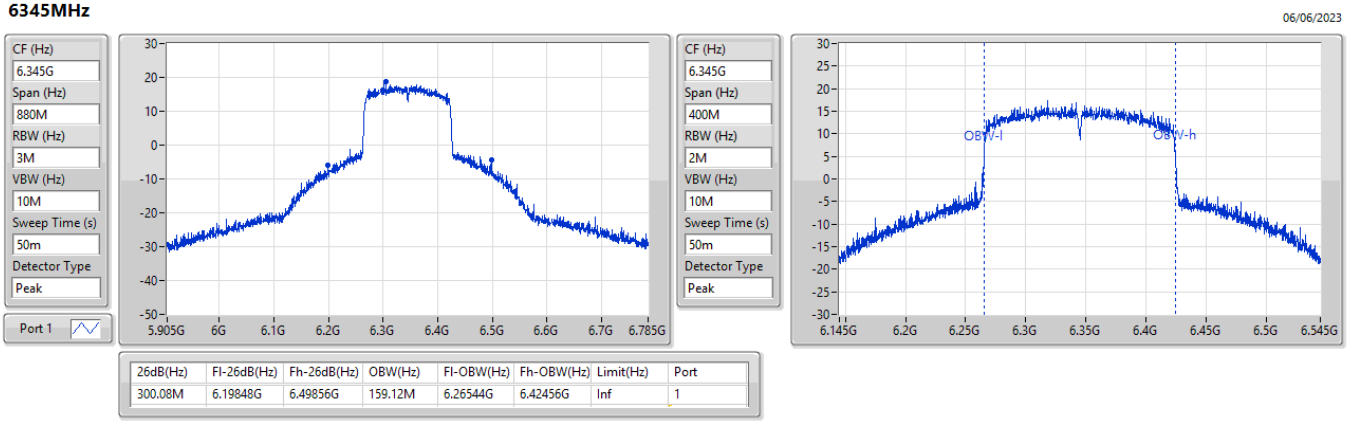
6185MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
299.2M	6.03056G	6.32976G	158.121M	6.10564G	6.263761G	Inf	1

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

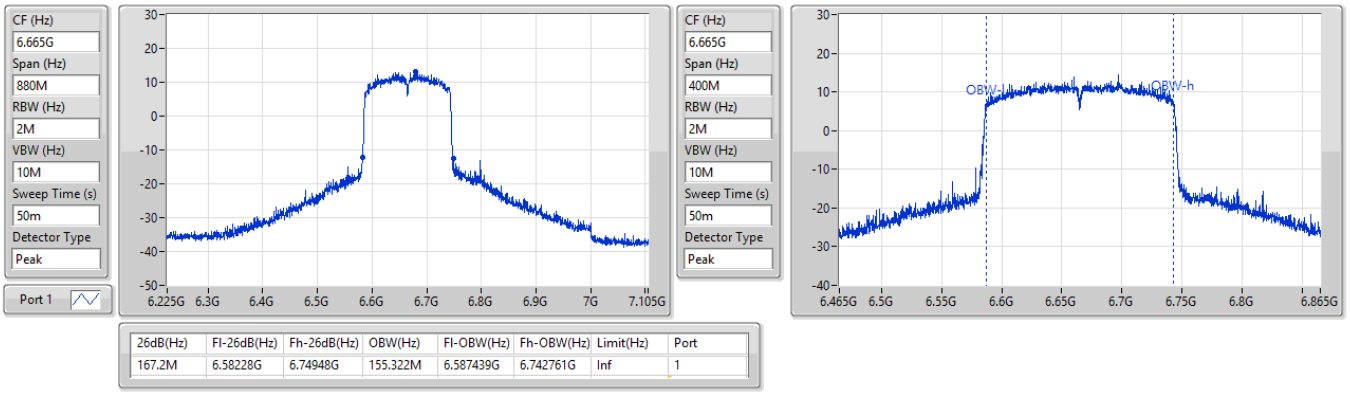
6345MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
300.08M	6.19848G	6.49856G	159.12M	6.26544G	6.42456G	Inf	1

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

6665MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
167.2M	6.58228G	6.74948G	155.322M	6.587439G	6.742761G	Inf	1

Summary

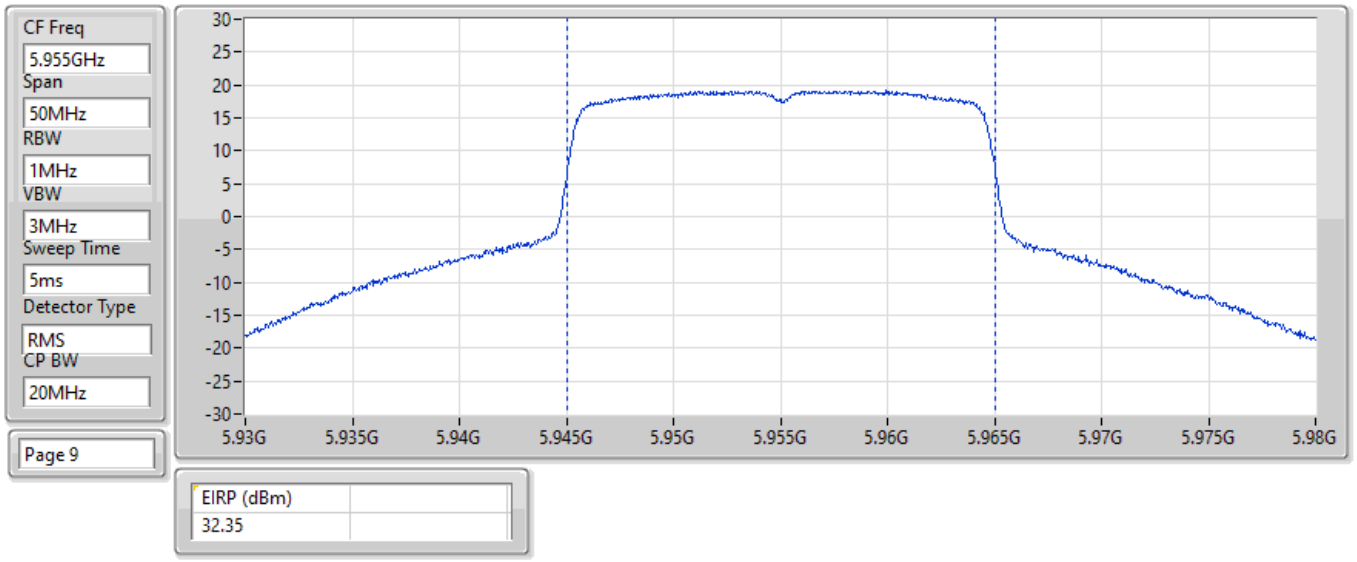
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	32.35	1.71791
802.11ax HEW40_Nss1,(MCS0)_1TX	31.33	1.35831
802.11ax HEW80_Nss1,(MCS0)_1TX	29.97	0.99312
802.11ax HEW160_Nss1,(MCS0)_1TX	31.12	1.29420
6.525-6.875GHz	-	
802.11ax HEW20_Nss1,(MCS0)_1TX	25.01	0.31696
802.11ax HEW40_Nss1,(MCS0)_1TX	26.34	0.43053
802.11ax HEW80_Nss1,(MCS0)_1TX	25.97	0.39537
802.11ax HEW160_Nss1,(MCS0)_1TX	30.51	1.12460

Result

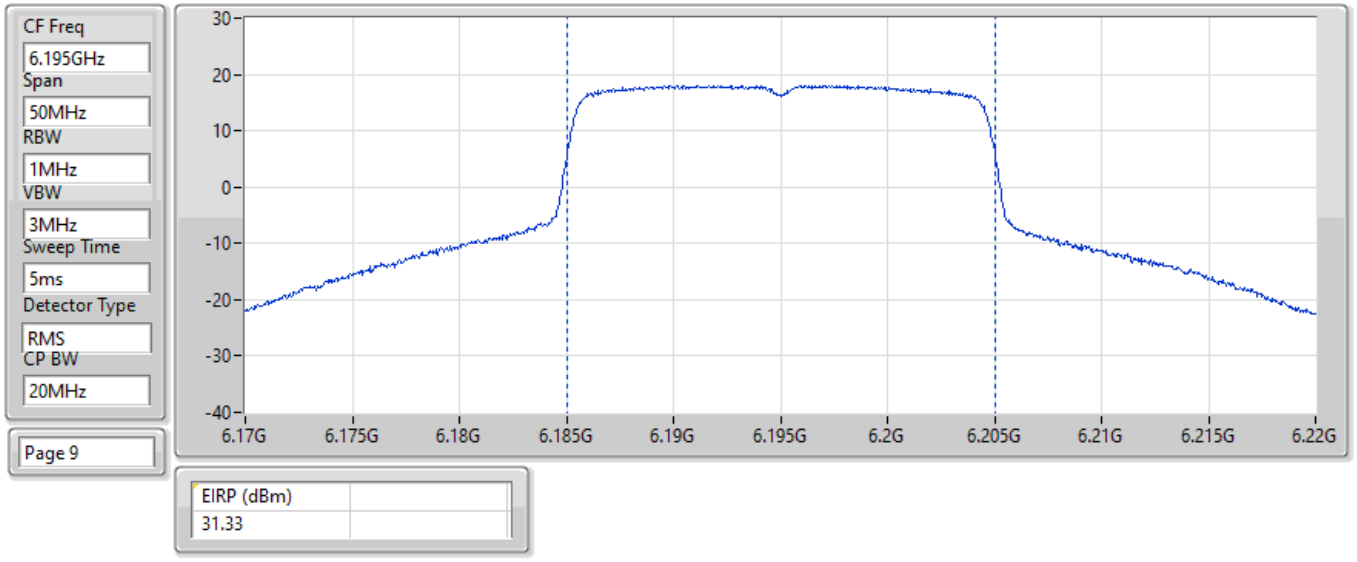
Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	32.35	36.00
6195MHz	Pass	31.33	36.00
6415MHz	Pass	32.35	36.00
6535MHz	Pass	24.97	36.00
6695MHz	Pass	22.53	36.00
6855MHz	Pass	25.01	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-		-
5965MHz	Pass	27.87	36.00
6205MHz	Pass	30.27	36.00
6405MHz	Pass	31.33	36.00
6565MHz	Pass	26.34	36.00
6685MHz	Pass	22.85	36.00
6845MHz	Pass	24.58	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-		-
5985MHz	Pass	27.81	36.00
6225MHz	Pass	29.97	36.00
6385MHz	Pass	29.92	36.00
6625MHz	Pass	25.20	36.00
6705MHz	Pass	25.97	36.00
6785MHz	Pass	25.91	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-		-
6025MHz	Pass	28.78	36.00
6185MHz	Pass	31.12	36.00
6345MHz	Pass	30.51	36.00
6665MHz	Pass	25.80	36.00

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

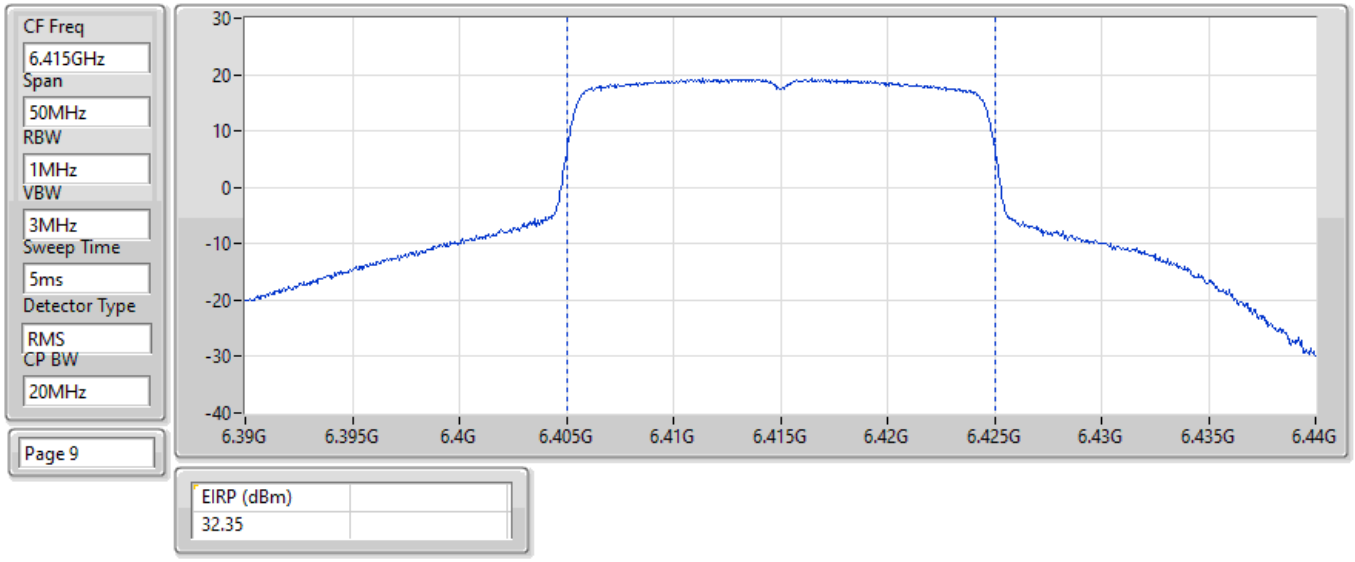
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:5955MHz;TX



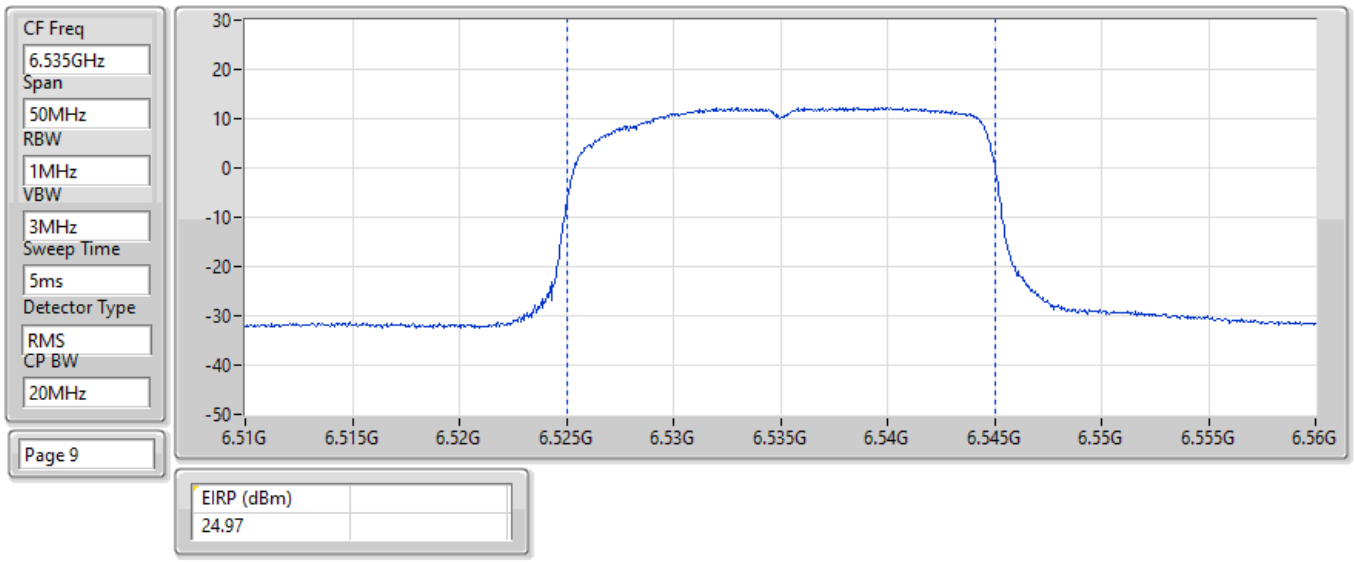
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6195MHz;TX



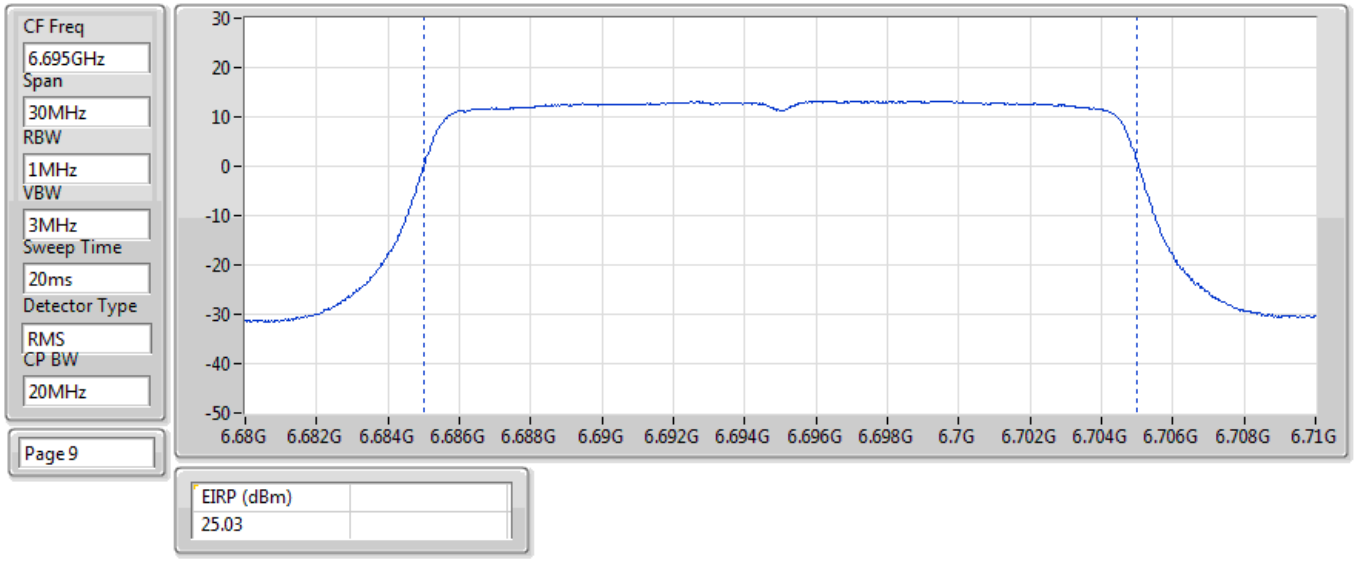
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6415MHz;TX



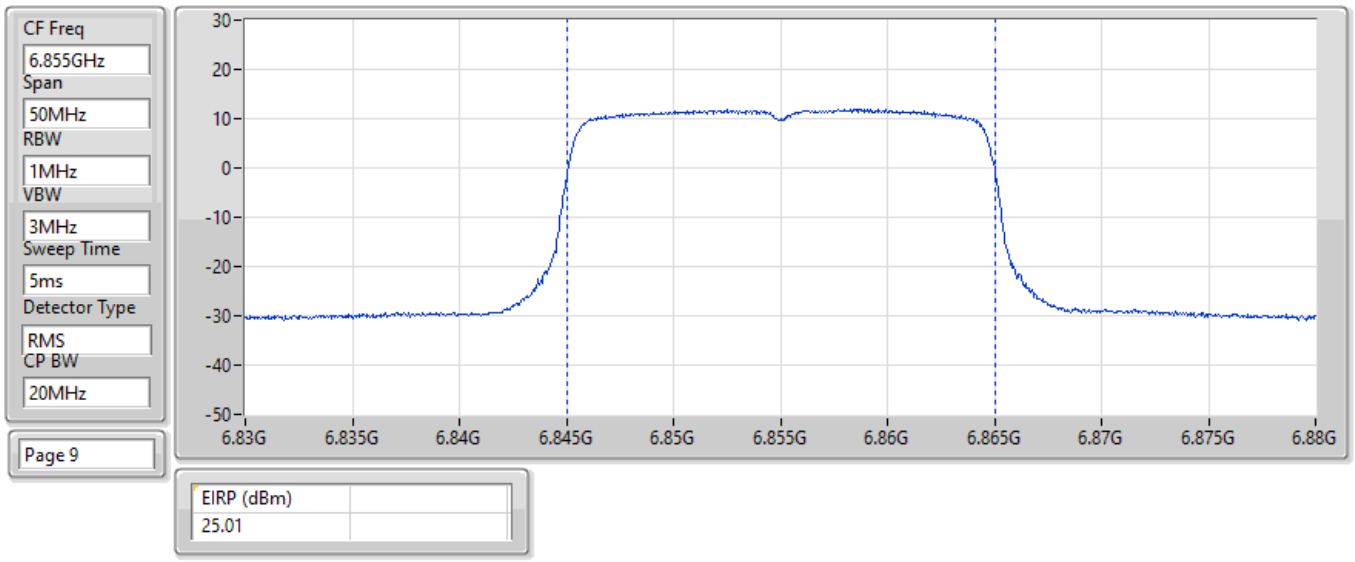
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6535MHz;TX



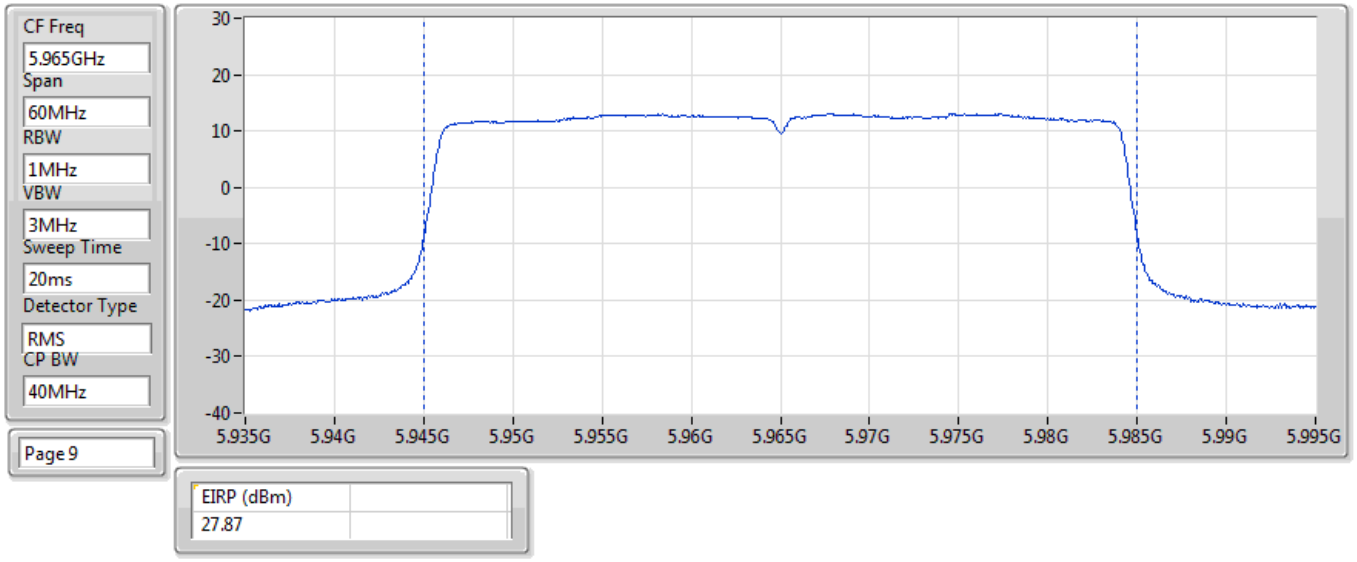
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6695MHz;TX



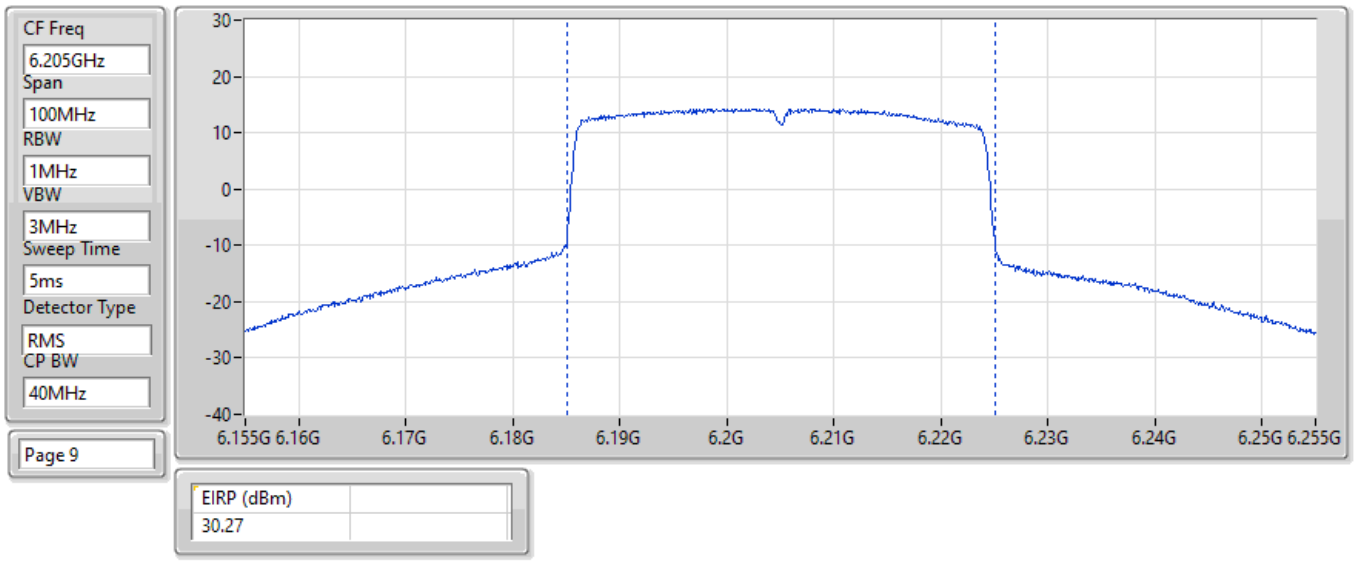
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6855MHz;TX



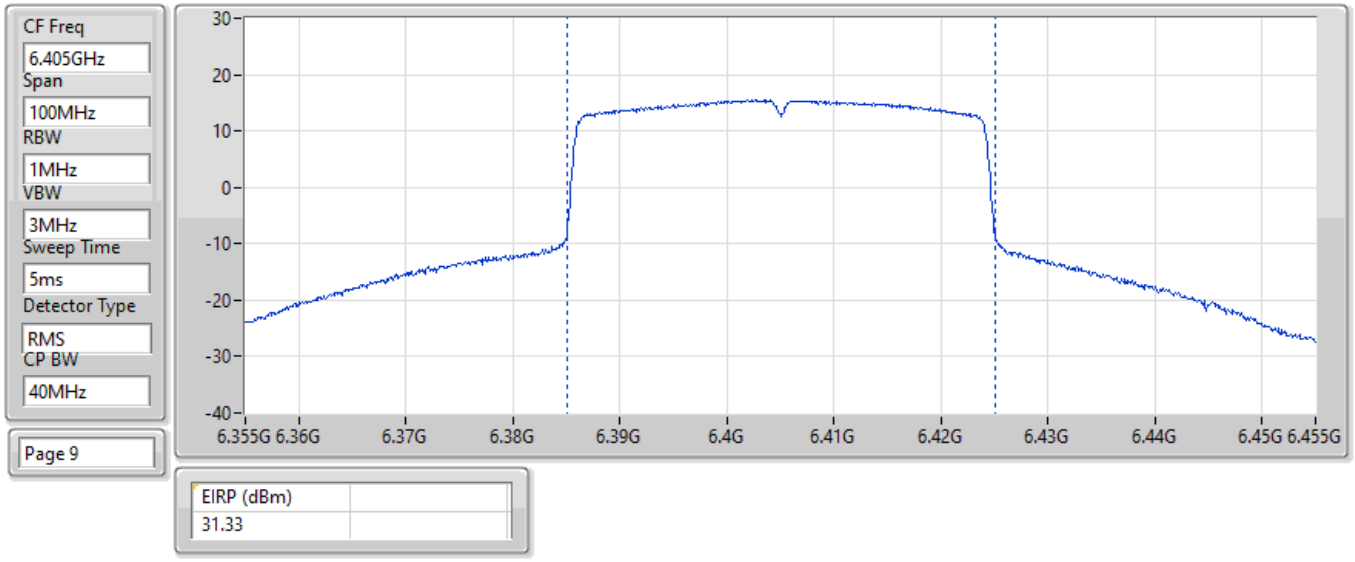
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:5965MHz;TX



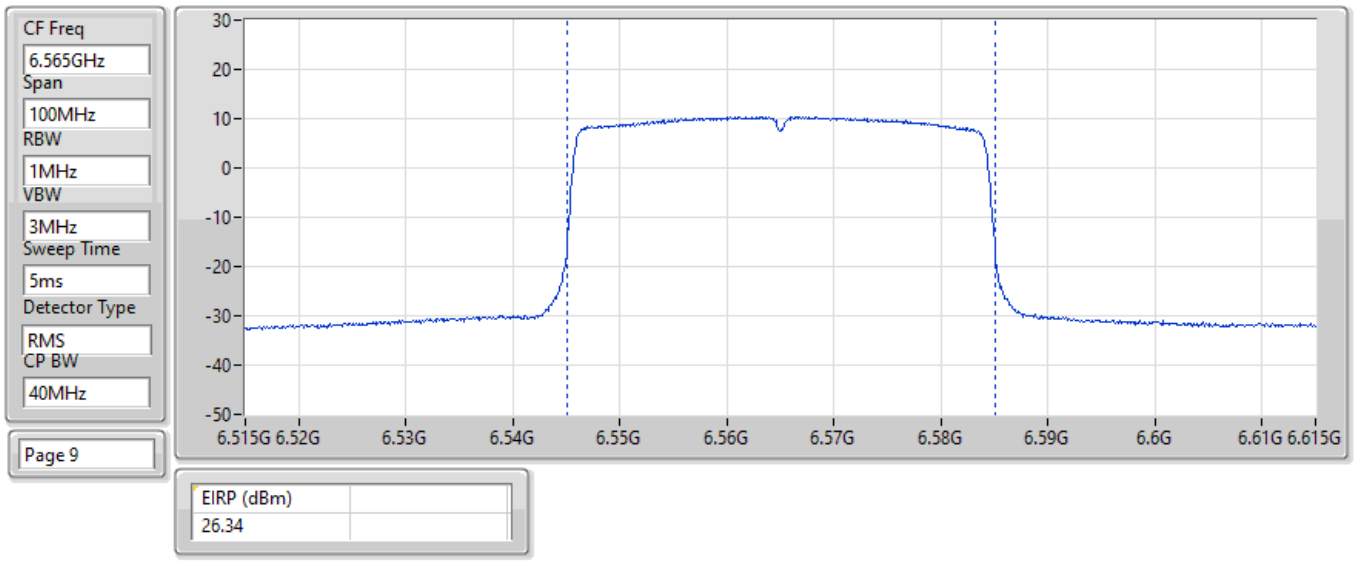
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6205MHz;TX



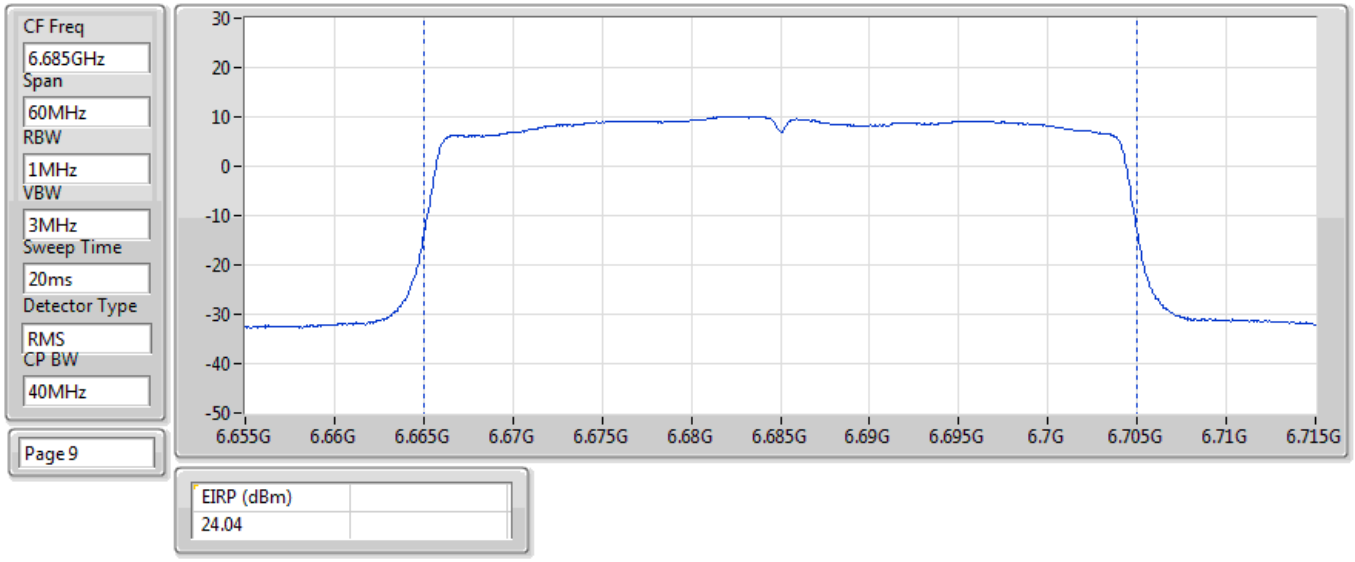
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6405MHz;TX



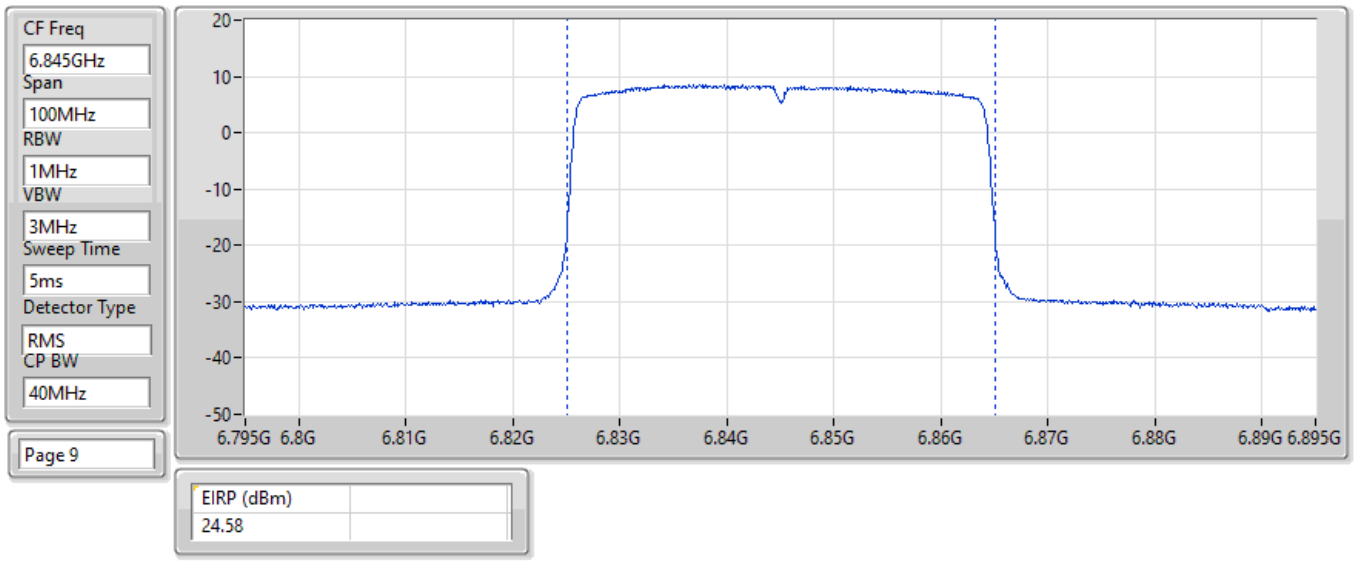
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6565MHz;TX



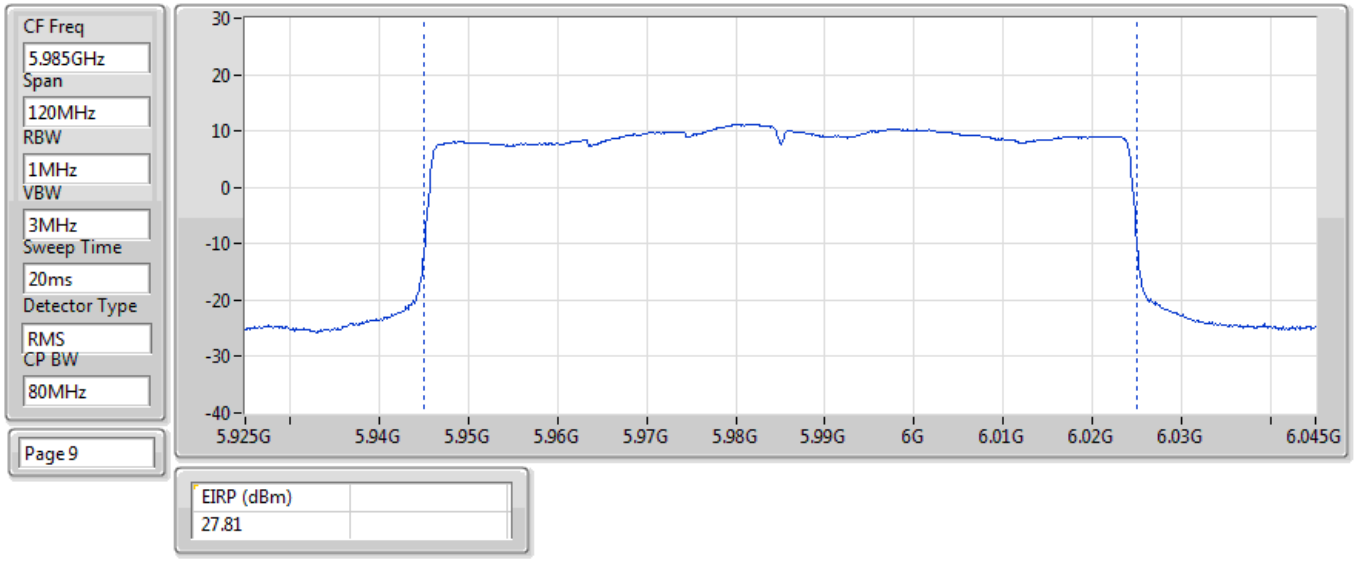
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6685MHz;TX



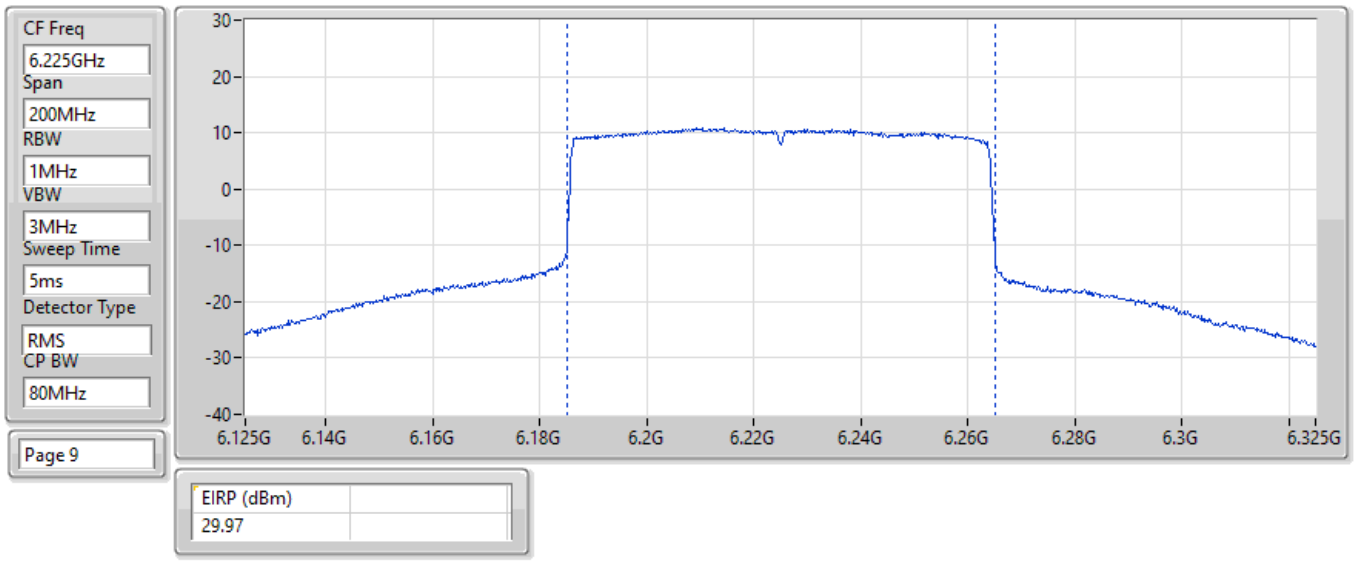
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6845MHz;TX



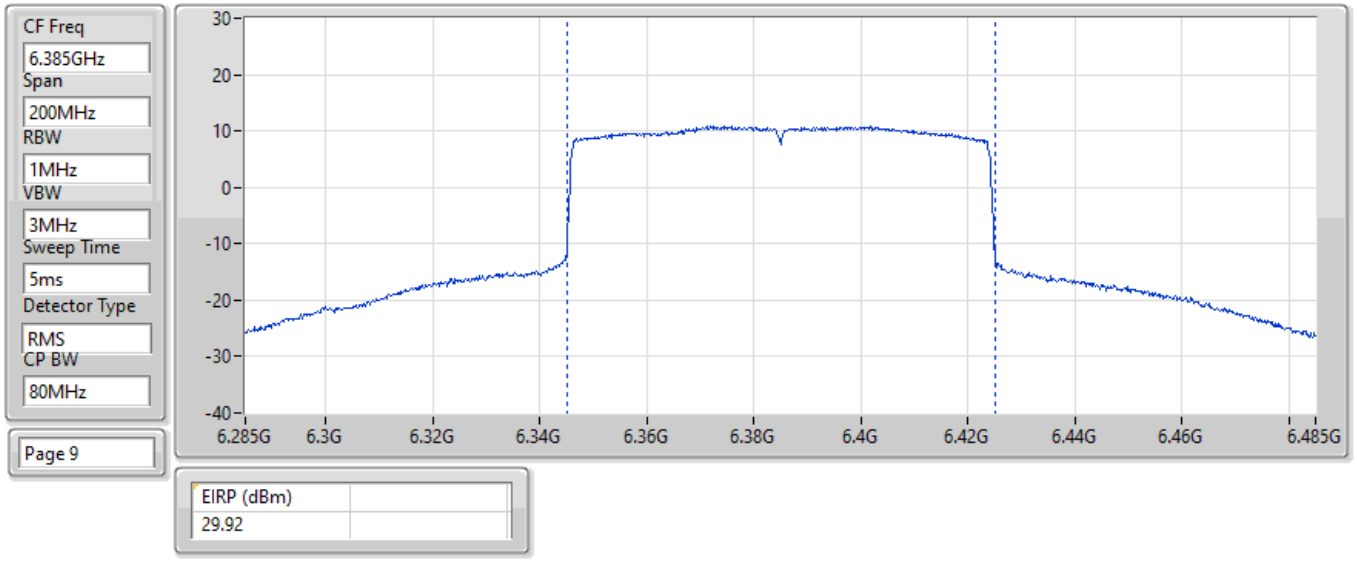
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:5985MHz;TX



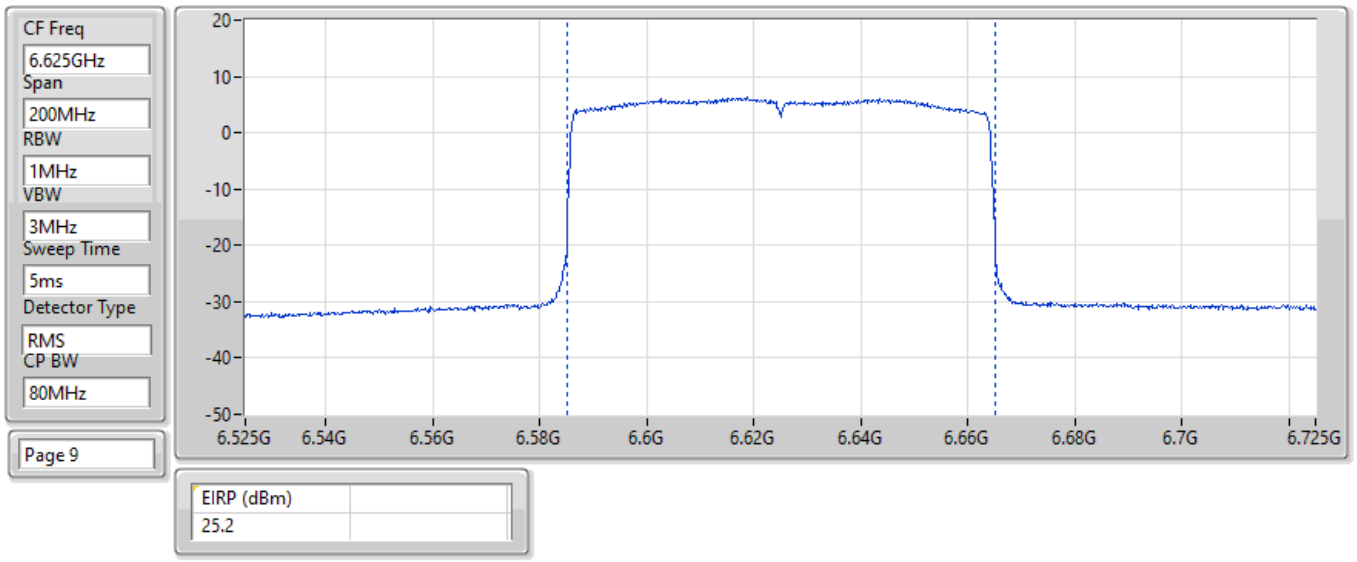
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6225MHz;TX



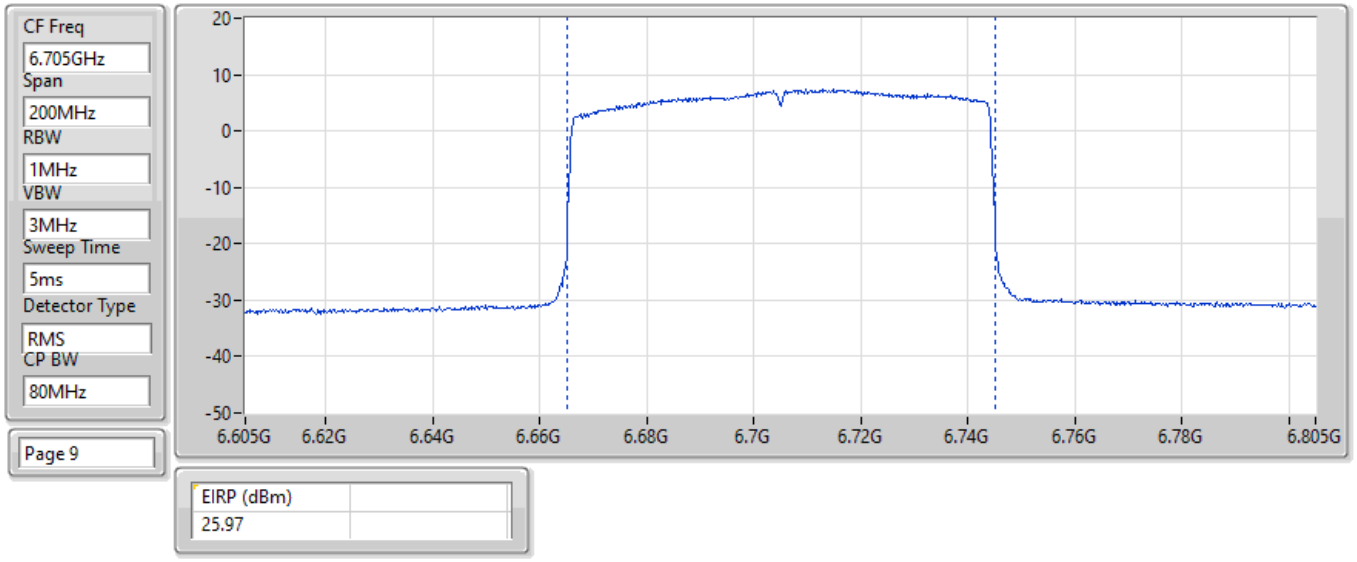
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6385MHz;TX



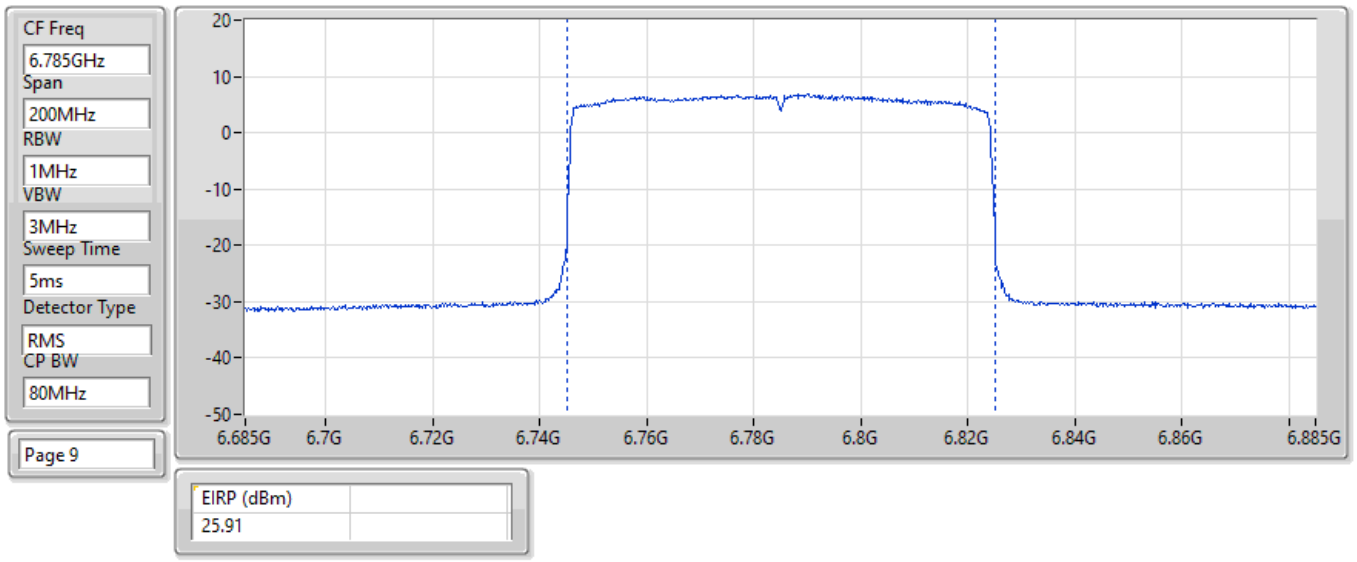
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6625MHz;TX



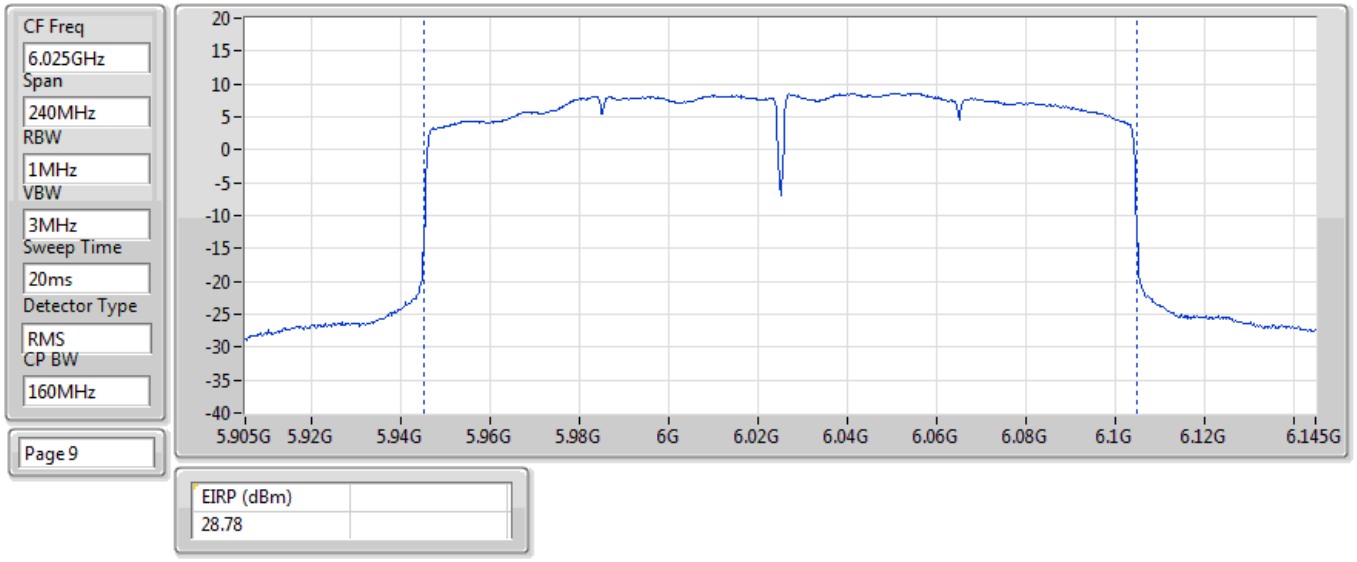
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6705MHz;TX



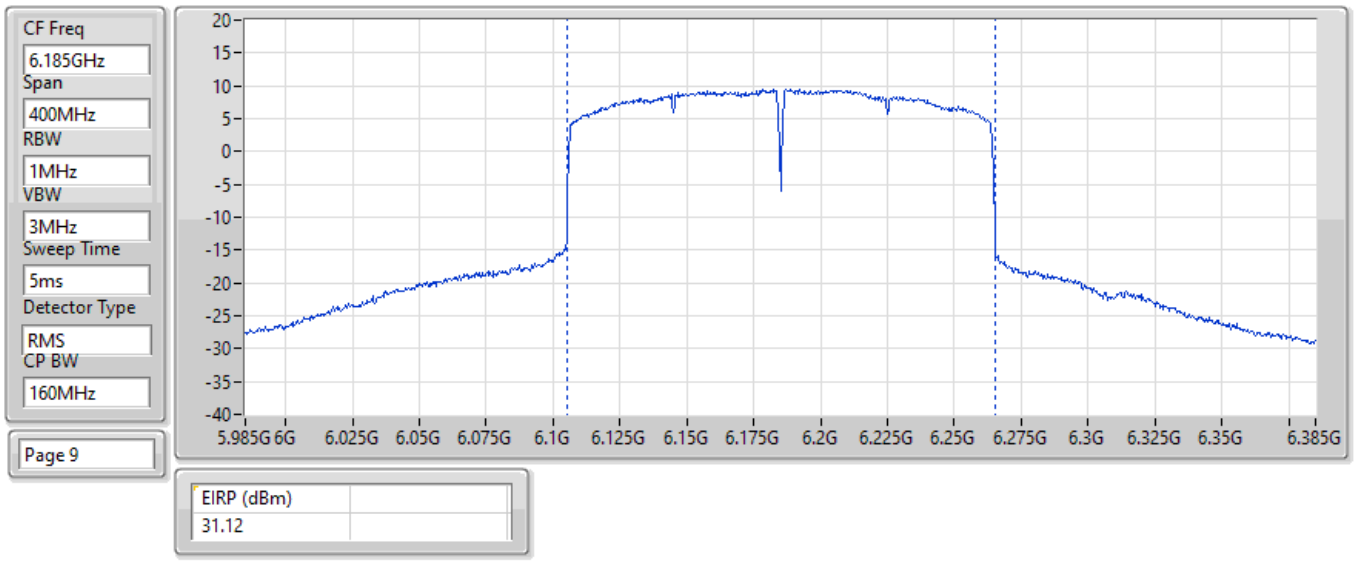
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6785MHz;TX



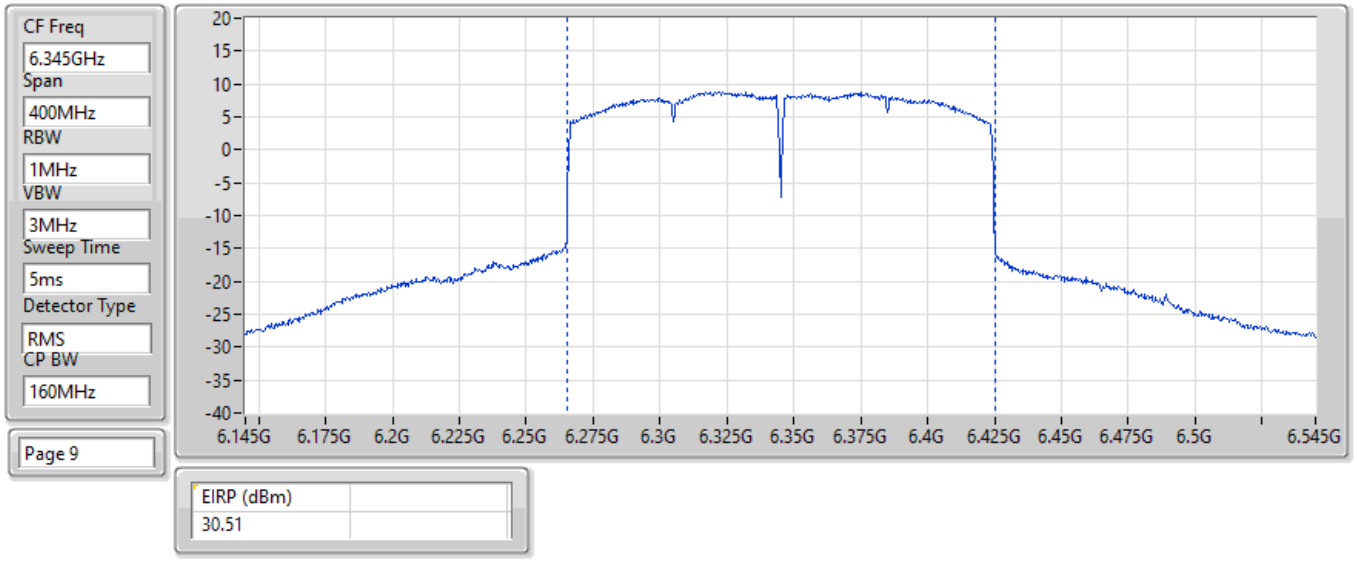
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(1);Ch:6025MHz;TX



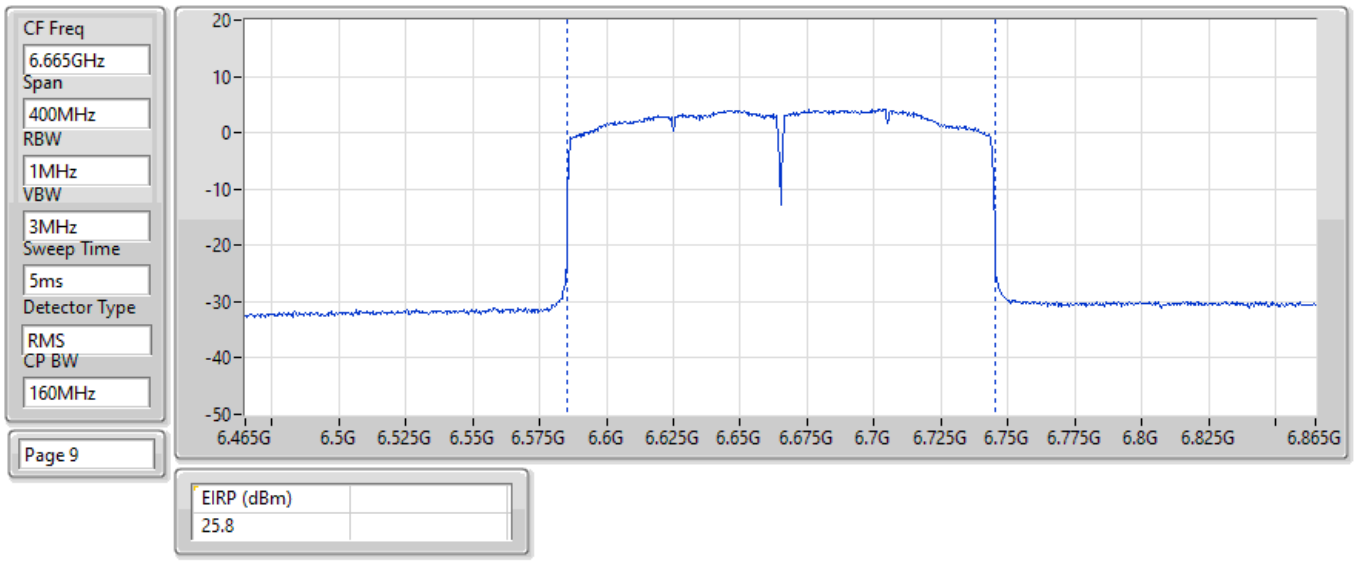
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(1);Ch:6185MHz;TX



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



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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	23.96	0.24889	20.82	0.120781
802.11ax HEW40_Nss1,(MCS0)_1TX	23.99	0.25061	20.85	0.121619
802.11ax HEW80_Nss1,(MCS0)_1TX	23.96	0.24889	20.82	0.120781
802.11ax HEW160_Nss1,(MCS0)_1TX	23.88	0.24434	20.74	0.118577
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	19.77	0.09484	20.71	0.117761
802.11ax HEW40_Nss1,(MCS0)_1TX	19.96	0.09908	20.90	0.123027
802.11ax HEW80_Nss1,(MCS0)_1TX	20.04	0.10093	20.98	0.125314
802.11ax HEW160_Nss1,(MCS0)_1TX	20.02	0.10046	20.96	0.124738

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5955MHz	Pass	-3.14	23.91	23.91	20.77	21.00
6195MHz	Pass	-3.14	23.86	23.86	20.72	21.00
6415MHz	Pass	-3.14	23.96	23.96	20.82	21.00
6535MHz	Pass	0.94	19.65	19.65	20.59	21.00
6695MHz	Pass	0.94	19.70	19.70	20.64	21.00
6855MHz	Pass	0.94	19.77	19.77	20.71	21.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-		-
5965MHz	Pass	-3.14	21.78	21.78	18.64	21.00
6205MHz	Pass	-3.14	23.99	23.99	20.85	21.00
6405MHz	Pass	-3.14	23.83	23.83	20.69	21.00
6565MHz	Pass	0.94	19.82	19.82	20.76	21.00
6685MHz	Pass	0.94	19.96	19.96	20.90	21.00
6845MHz	Pass	0.94	19.72	19.72	20.66	21.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-		-
5985MHz	Pass	-3.14	21.70	21.70	18.56	21.00
6225MHz	Pass	-3.14	23.96	23.96	20.82	21.00
6385MHz	Pass	-3.14	23.94	23.94	20.80	21.00
6625MHz	Pass	0.94	19.99	19.99	20.93	21.00
6705MHz	Pass	0.94	20.04	20.04	20.98	21.00
6785MHz	Pass	0.94	19.95	19.95	20.89	21.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-		-
6025MHz	Pass	-3.14	22.26	22.26	19.12	21.00
6185MHz	Pass	-3.14	23.85	23.85	20.71	21.00
6345MHz	Pass	-3.14	23.88	23.88	20.74	21.00
6665MHz	Pass	0.94	20.02	20.02	20.96	21.00

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

Summary

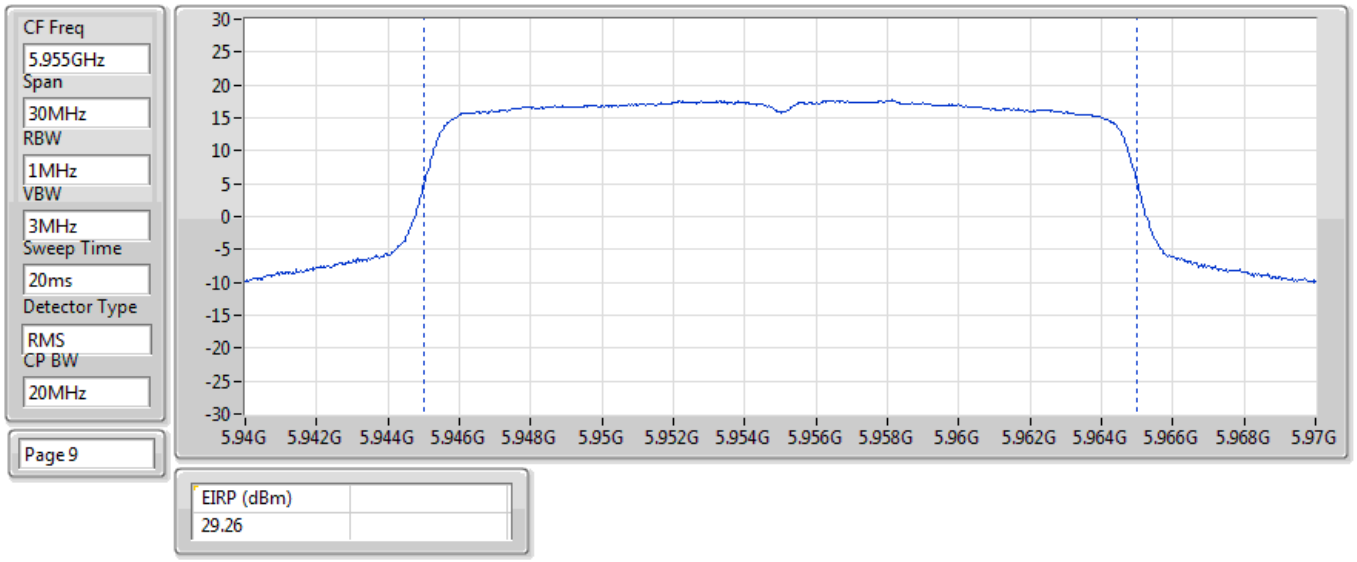
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	32.58	1.81134
802.11ax HEW40_Nss1,(MCS0)_1TX	30.73	1.18304
802.11ax HEW80_Nss1,(MCS0)_1TX	32.39	1.73380
802.11ax HEW160_Nss1,(MCS0)_1TX	32.43	1.74985
6.525-6.875GHz	-	
802.11ax HEW20_Nss1,(MCS0)_1TX	27.45	0.55590
802.11ax HEW40_Nss1,(MCS0)_1TX	28.69	0.73961
802.11ax HEW80_Nss1,(MCS0)_1TX	27.60	0.57544
802.11ax HEW160_Nss1,(MCS0)_1TX	26.73	0.47098

Result

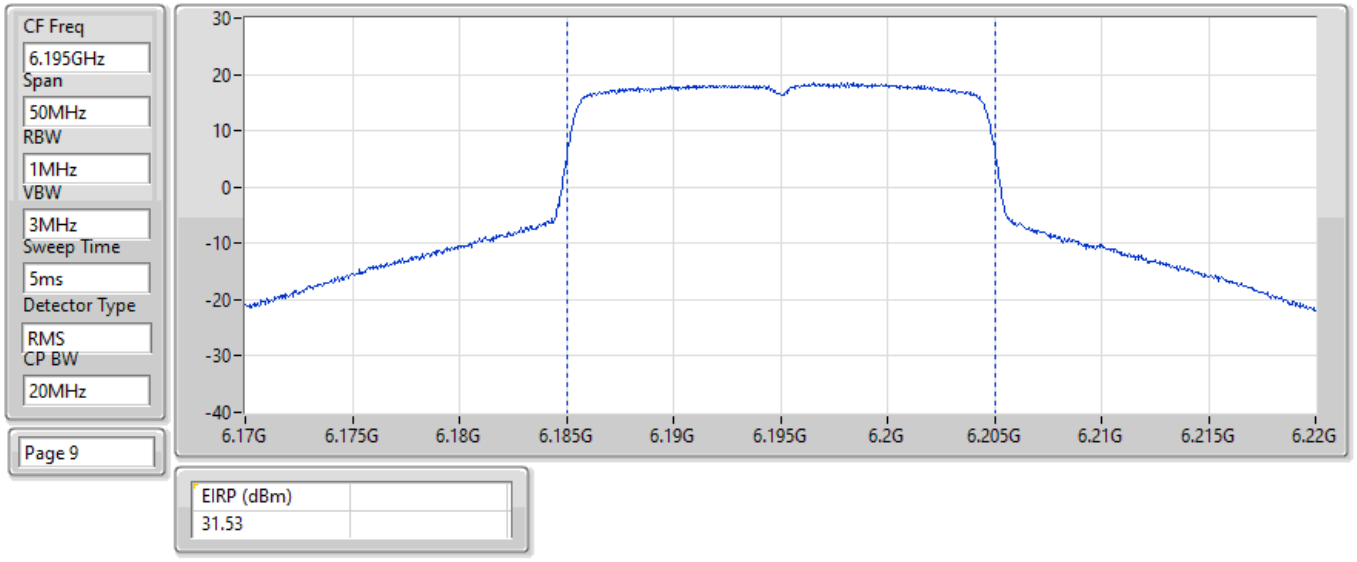
Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	29.26	36.00
6195MHz	Pass	31.53	36.00
6415MHz	Pass	32.58	36.00
6535MHz	Pass	27.28	36.00
6695MHz	Pass	27.26	36.00
6855MHz	Pass	27.45	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-		-
5965MHz	Pass	27.08	36.00
6205MHz	Pass	30.73	36.00
6405MHz	Pass	29.94	36.00
6565MHz	Pass	26.76	36.00
6685MHz	Pass	28.69	36.00
6845MHz	Pass	26.61	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-		-
5985MHz	Pass	28.2	36.00
6225MHz	Pass	30.87	36.00
6385MHz	Pass	32.39	36.00
6625MHz	Pass	27.27	36.00
6705MHz	Pass	27.6	36.00
6785MHz	Pass	26.89	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-		-
6025MHz	Pass	29.27	36.00
6185MHz	Pass	32.43	36.00
6345MHz	Pass	32.04	36.00
6665MHz	Pass	26.73	36.00

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

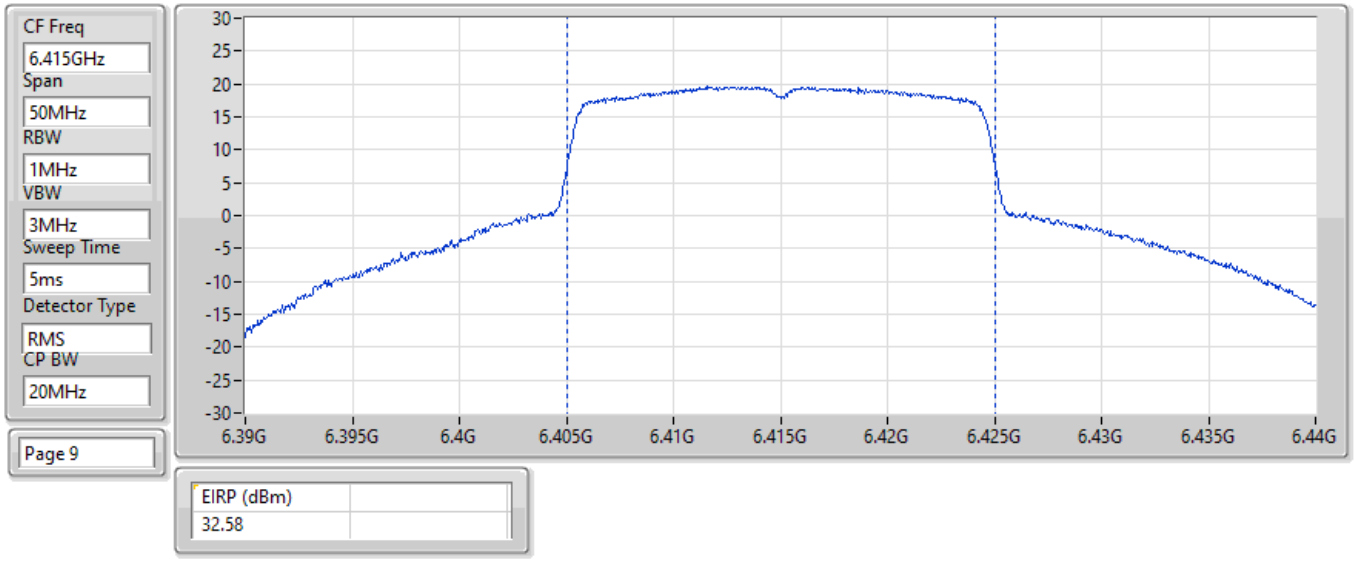
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:5955MHz;TX



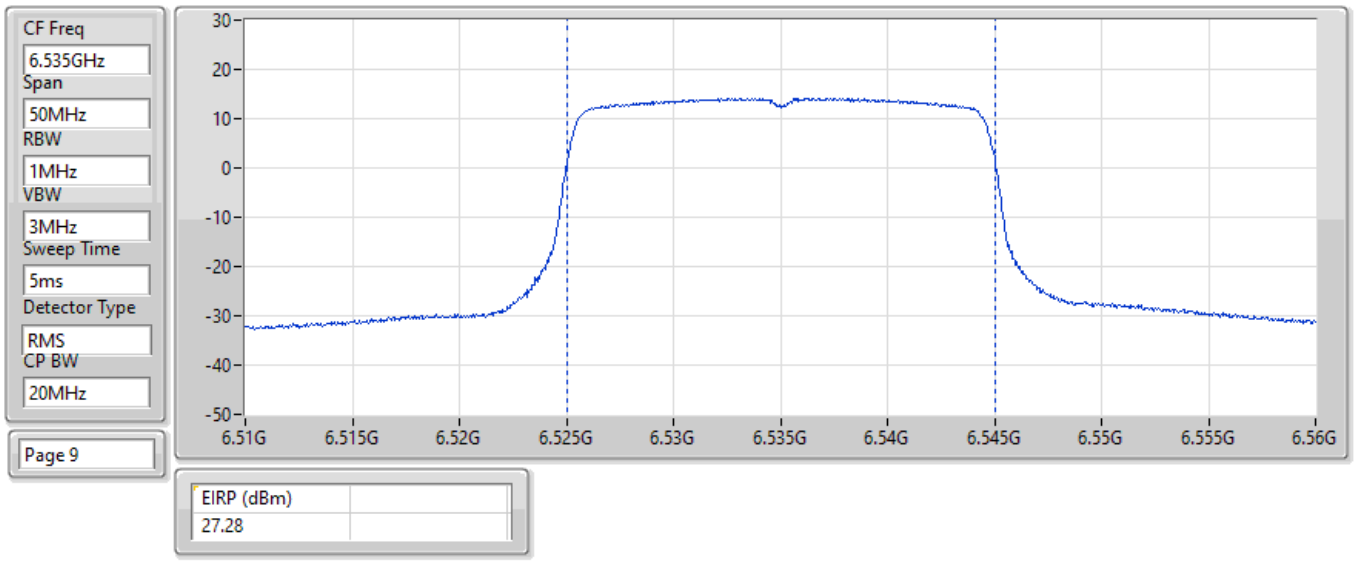
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:6195MHz;TX



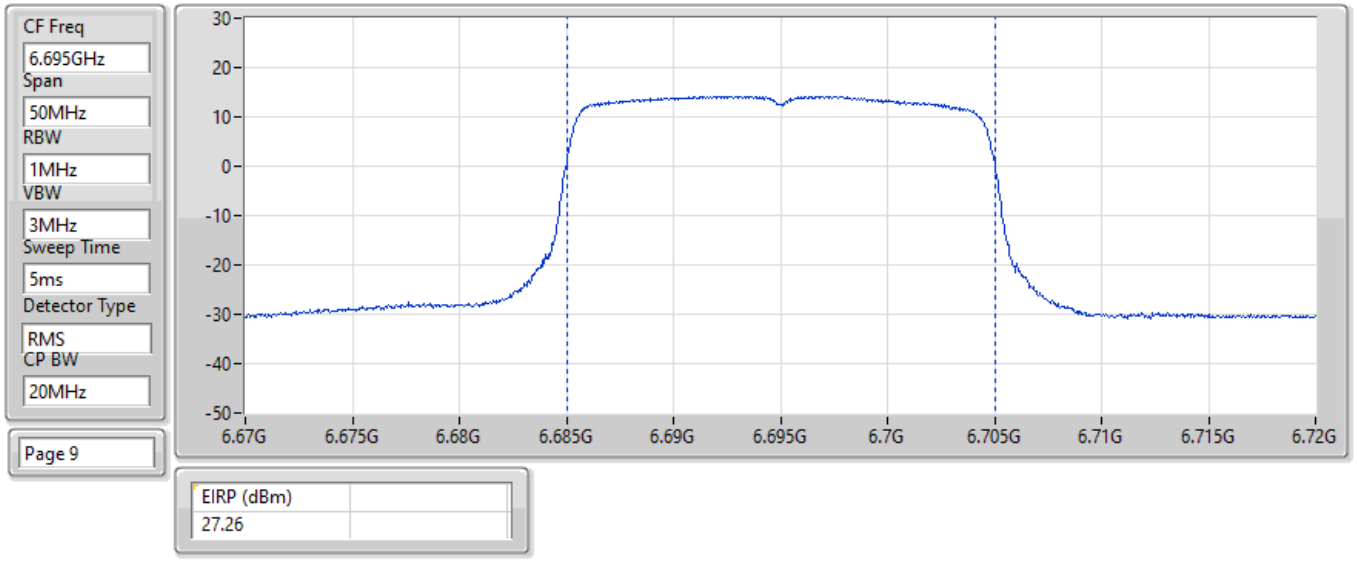
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:6415MHz;TX



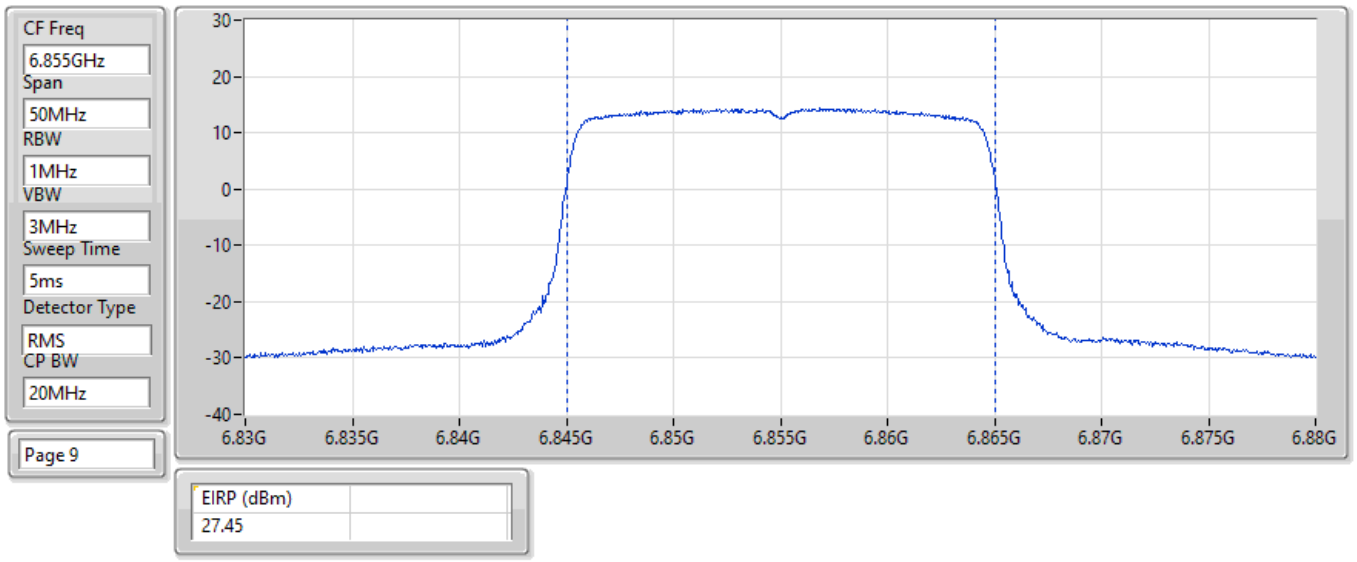
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:6535MHz;TX



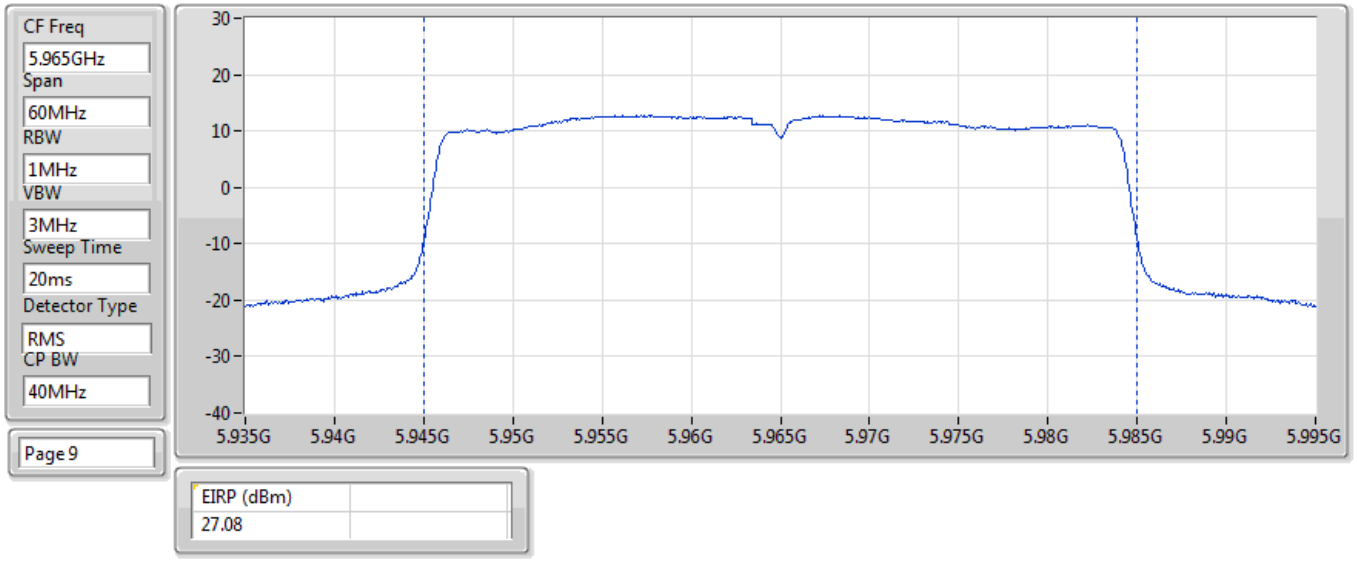
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:6695MHz;TX



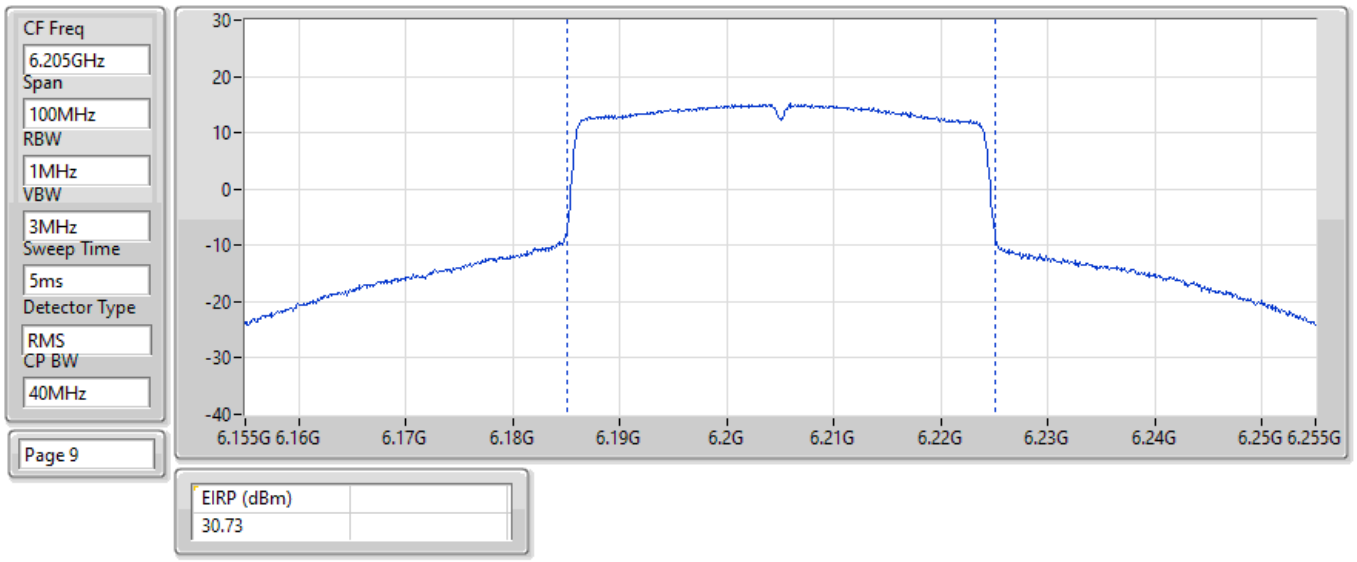
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:6855MHz;TX



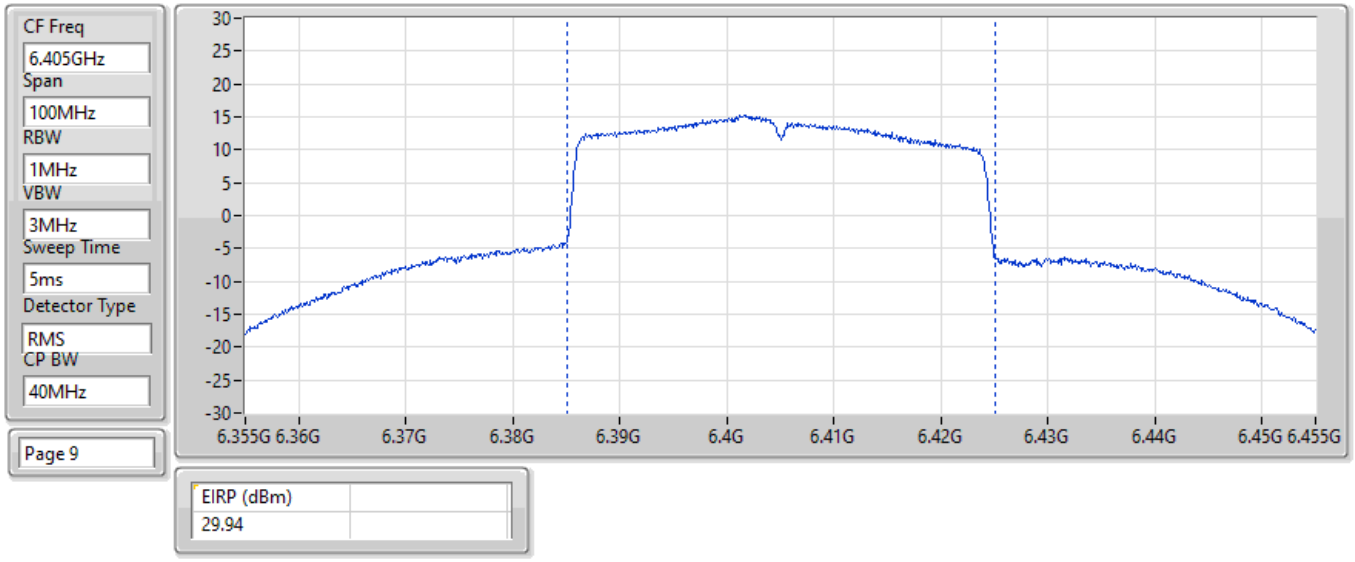
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:5965MHz;TX



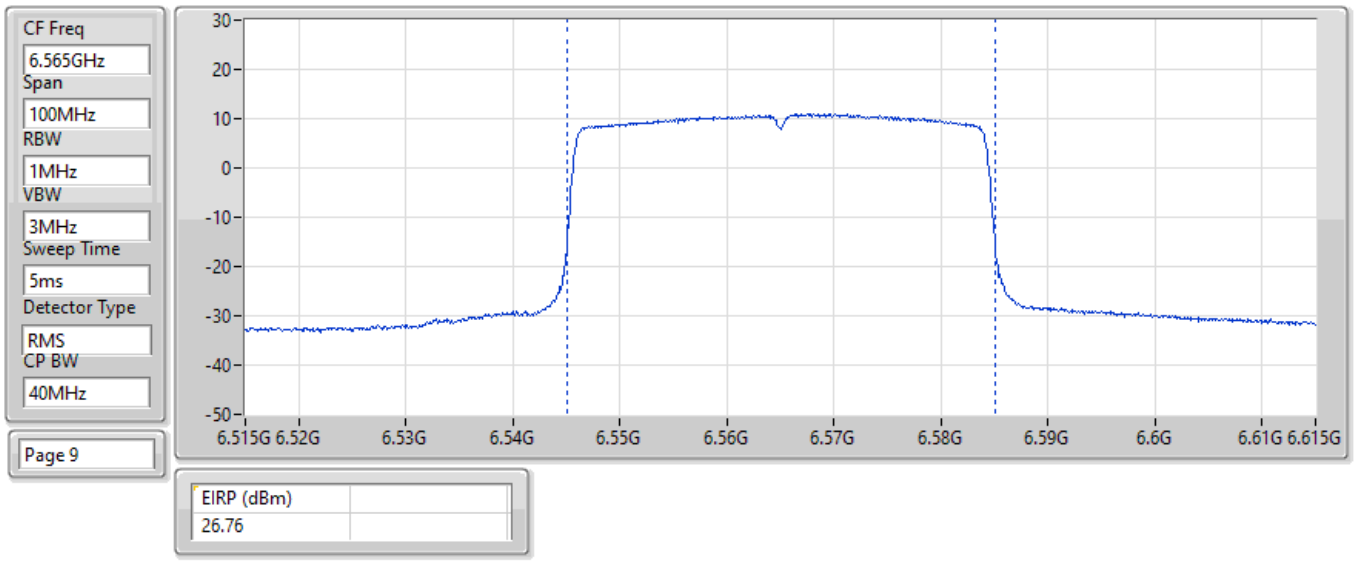
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6205MHz;TX



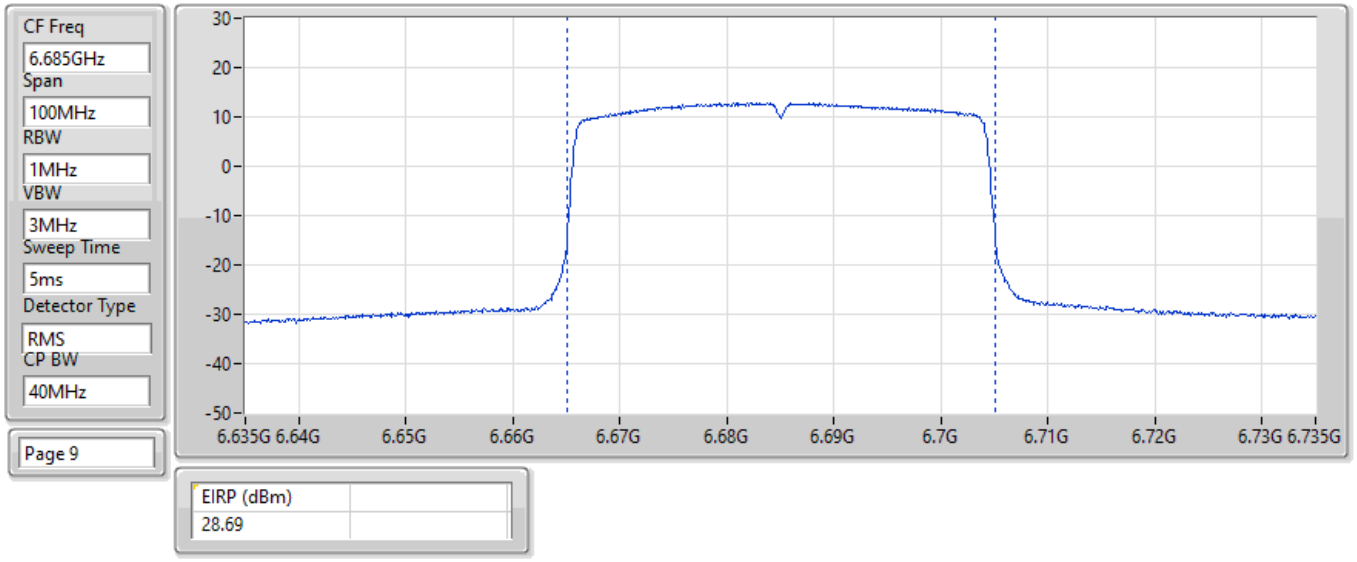
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6405MHz;TX



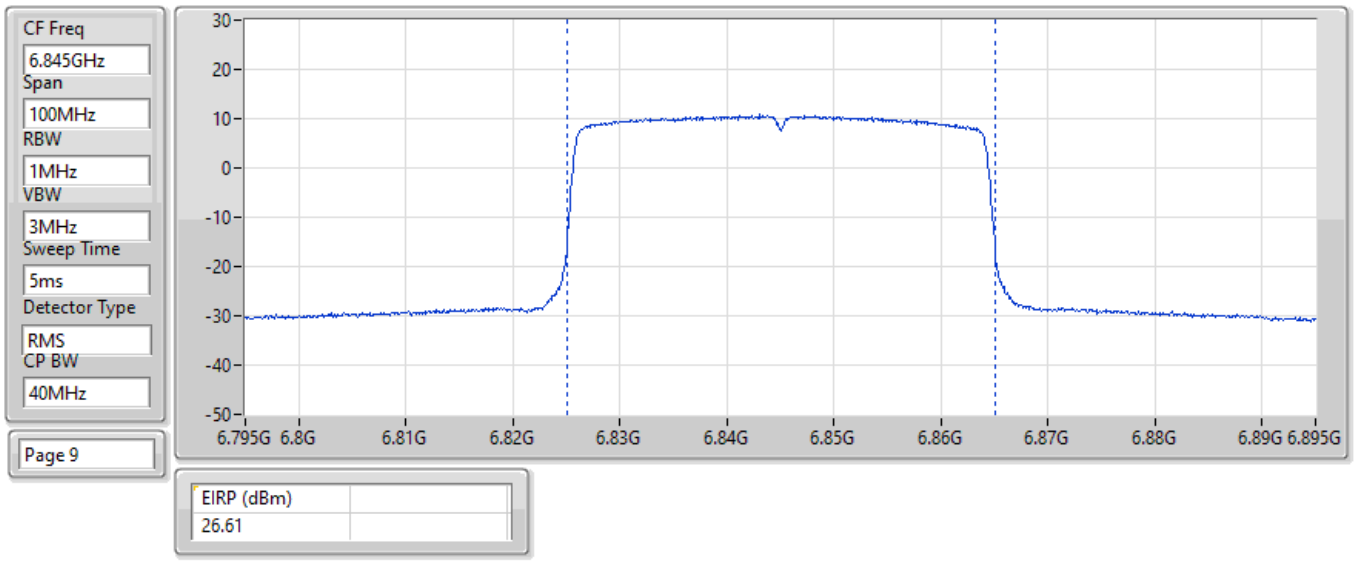
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6565MHz;TX



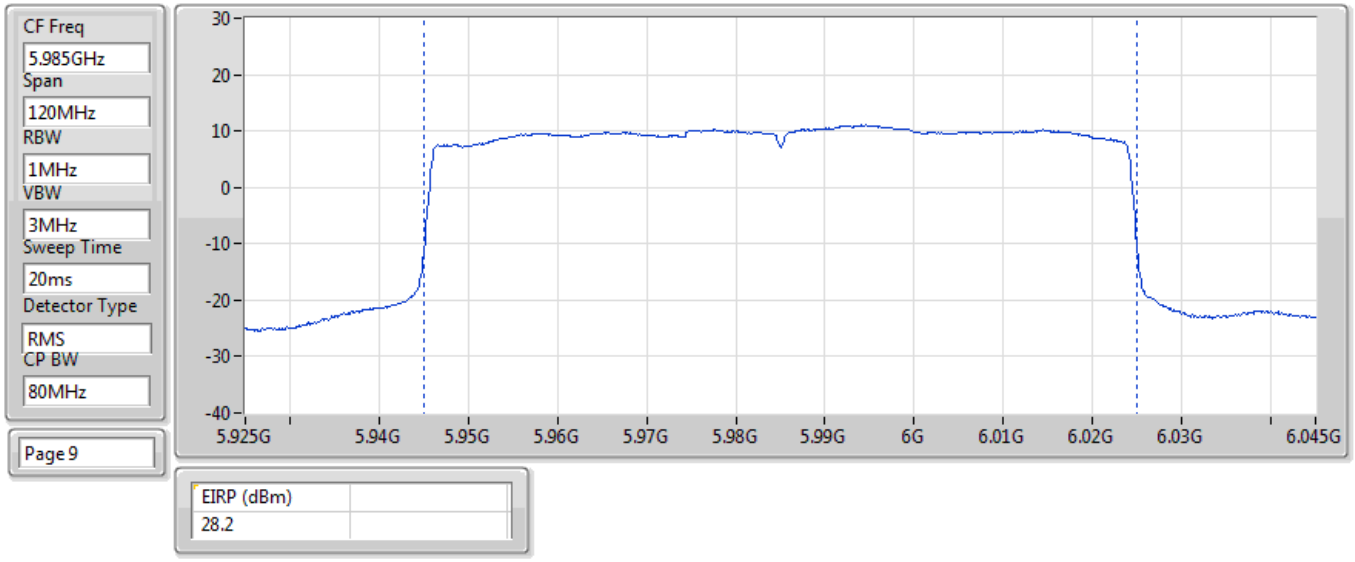
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6685MHz;TX



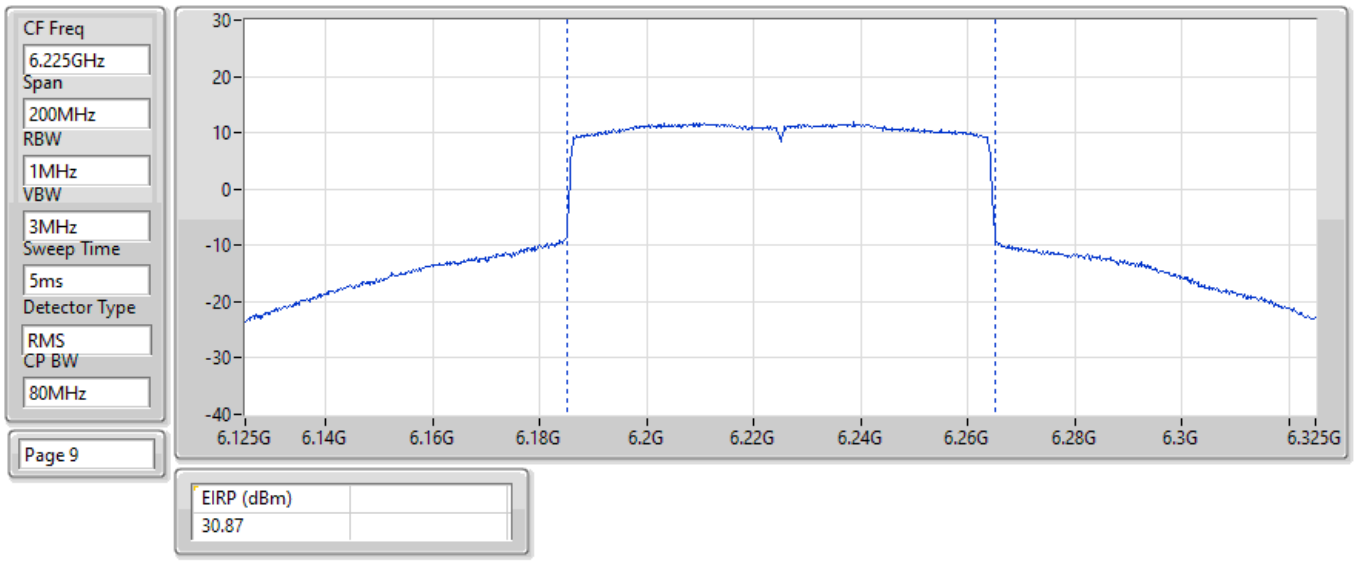
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6845MHz;TX



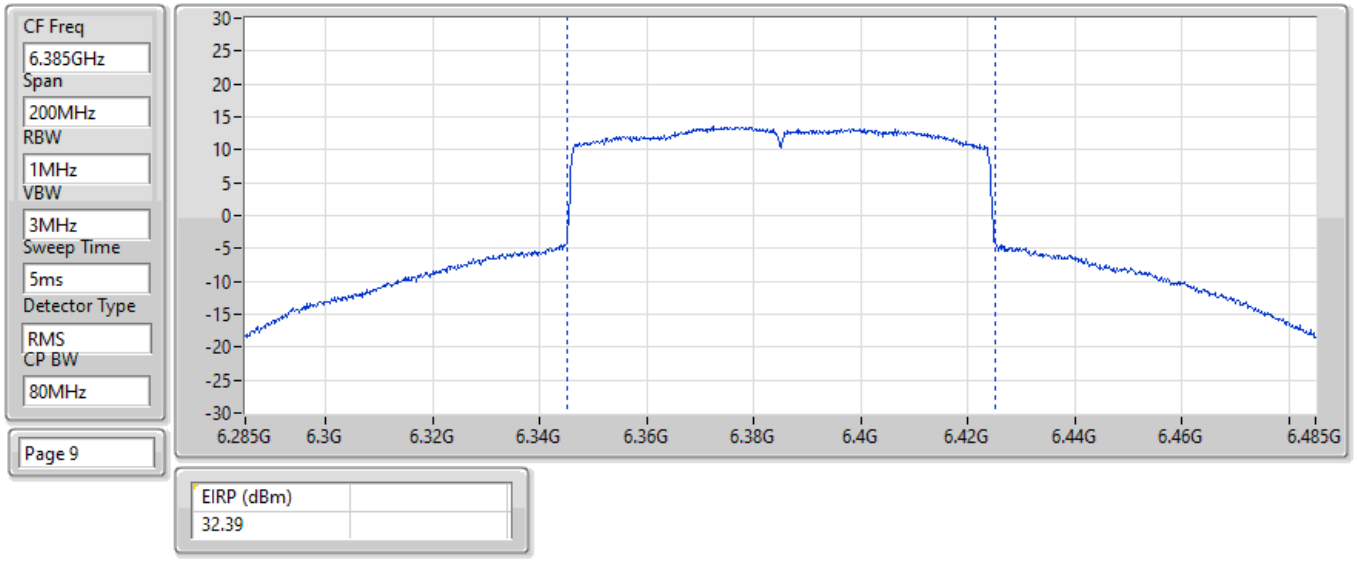
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:5985MHz;TX



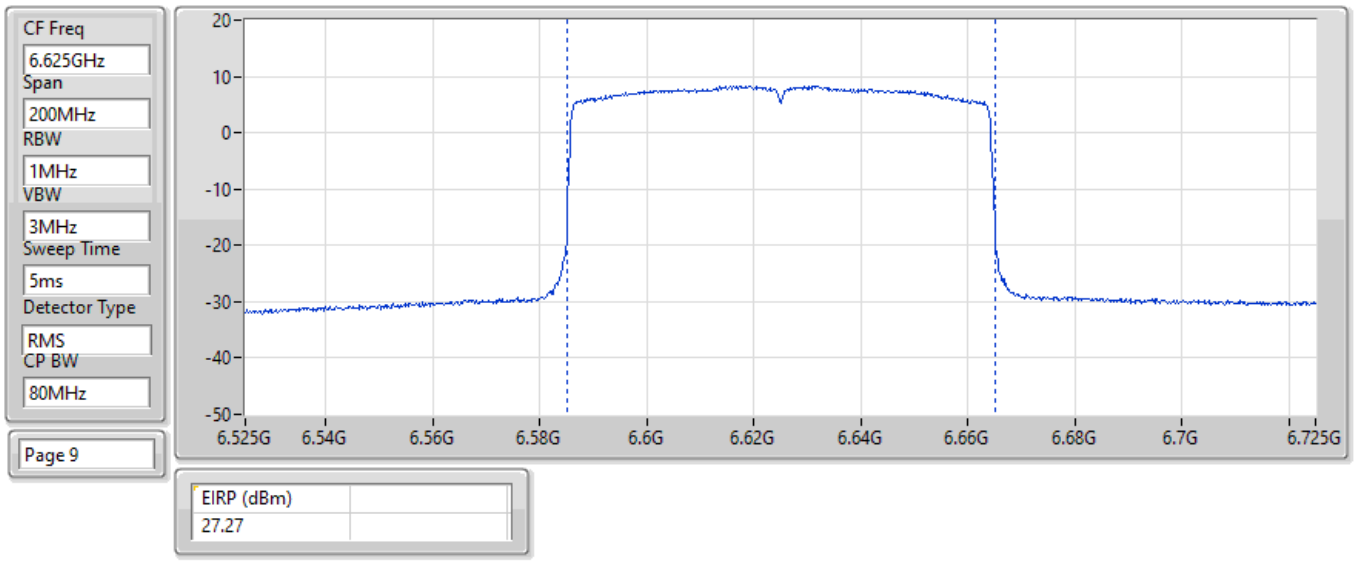
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6225MHz;TX



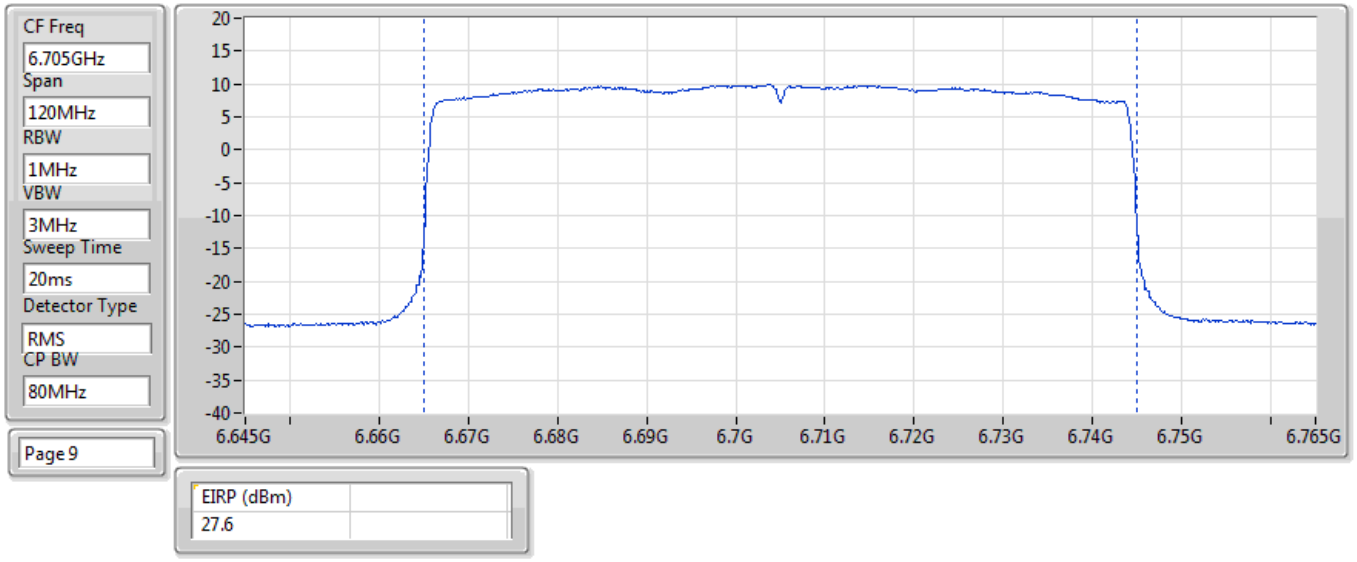
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6385MHz;TX



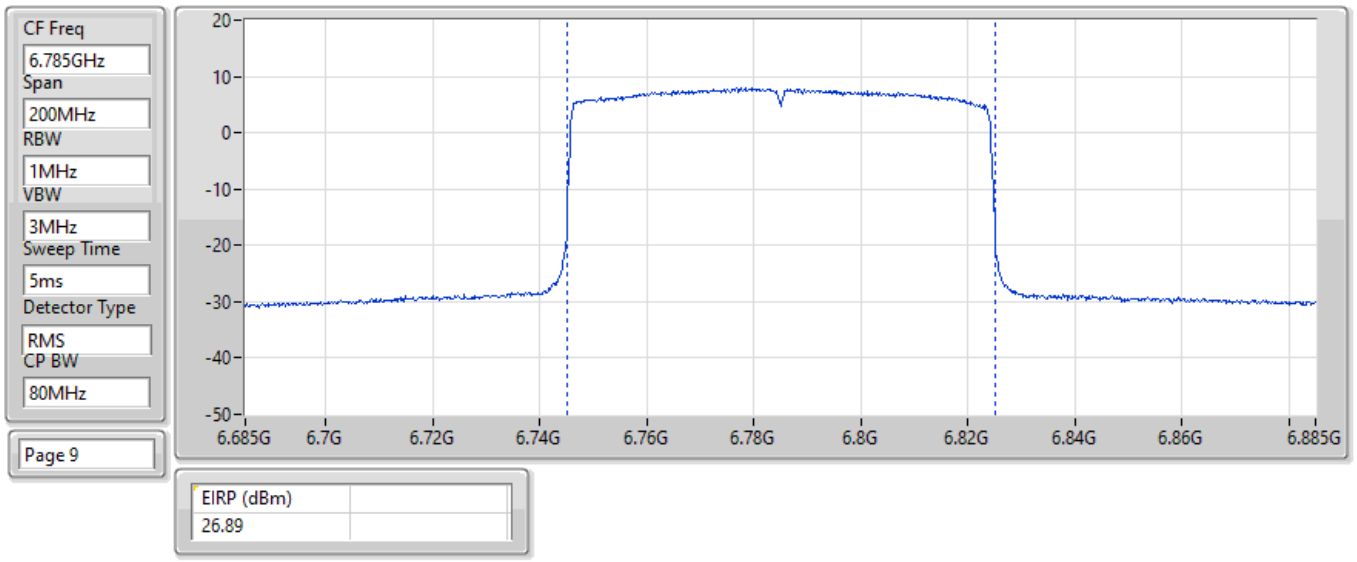
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6625MHz;TX



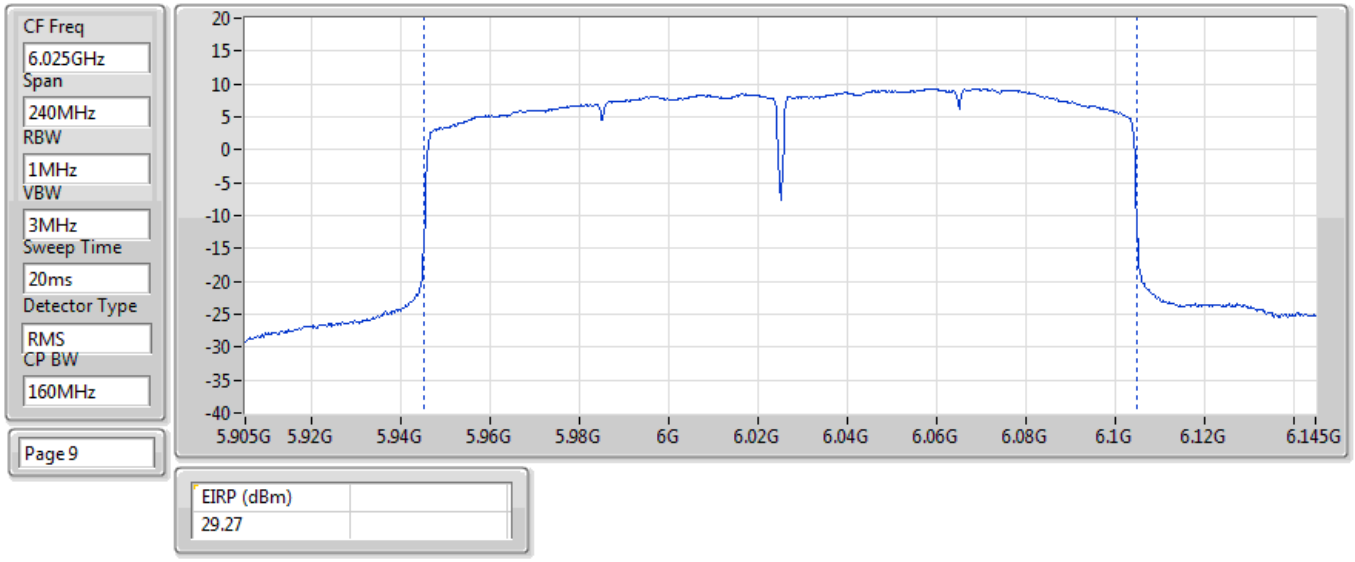
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6705MHz;TX



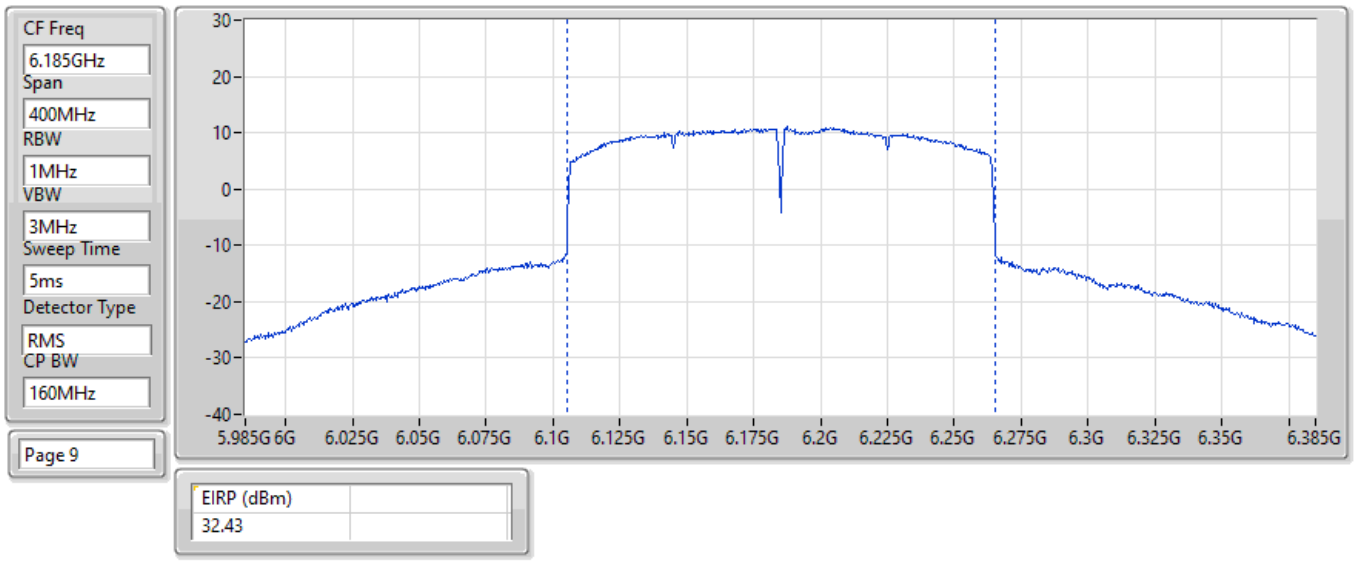
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6785MHz;TX



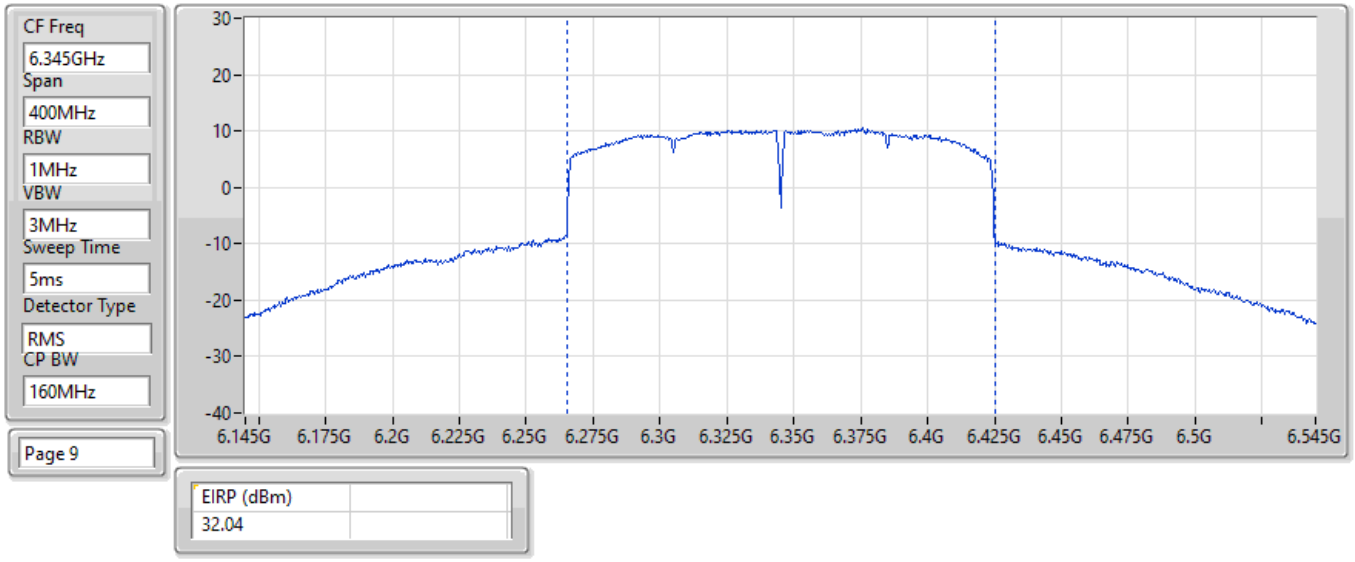
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6025MHz;TX



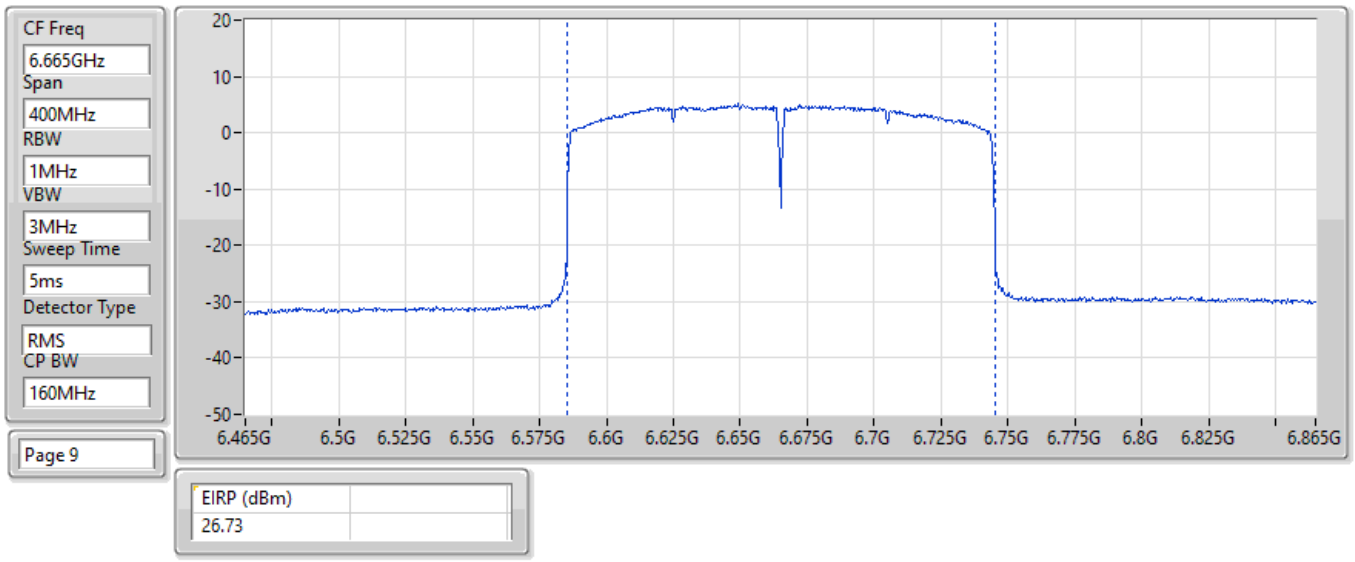
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6185MHz;TX



EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6345MHz;TX



EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6665MHz;TX



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	24.00	0.25119	20.86	0.121899
802.11ax HEW40_Nss1,(MCS0)_1TX	23.84	0.24210	20.70	0.117490
802.11ax HEW80_Nss1,(MCS0)_1TX	24.11	0.25763	20.97	0.125026
802.11ax HEW160_Nss1,(MCS0)_1TX	23.91	0.24604	20.77	0.119399
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	19.93	0.09840	20.87	0.122180
802.11ax HEW40_Nss1,(MCS0)_1TX	19.75	0.09441	20.69	0.117220
802.11ax HEW80_Nss1,(MCS0)_1TX	19.87	0.09705	20.81	0.120504
802.11ax HEW160_Nss1,(MCS0)_1TX	19.75	0.09441	20.69	0.117220

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5955MHz	Pass	-3.14	23.64	23.64	20.50	21.00
6195MHz	Pass	-3.14	23.74	23.74	20.60	21.00
6415MHz	Pass	-3.14	24.00	24.00	20.86	21.00
6535MHz	Pass	0.94	19.91	19.91	20.85	21.00
6695MHz	Pass	0.94	19.93	19.93	20.87	21.00
6855MHz	Pass	0.94	19.86	19.86	20.80	21.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-		-
5965MHz	Pass	-3.14	22.30	22.30	19.16	21.00
6205MHz	Pass	-3.14	23.70	23.70	20.56	21.00
6405MHz	Pass	-3.14	23.84	23.84	20.70	21.00
6565MHz	Pass	0.94	19.75	19.75	20.69	21.00
6685MHz	Pass	0.94	19.69	19.69	20.63	21.00
6845MHz	Pass	0.94	19.59	19.59	20.53	21.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-		-
5985MHz	Pass	-3.14	21.82	21.82	18.68	21.00
6225MHz	Pass	-3.14	24.11	24.11	20.97	21.00
6385MHz	Pass	-3.14	24.00	24.00	20.86	21.00
6625MHz	Pass	0.94	19.87	19.87	20.81	21.00
6705MHz	Pass	0.94	19.63	19.63	20.57	21.00
6785MHz	Pass	0.94	19.81	19.81	20.75	21.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-		-
6025MHz	Pass	-3.14	21.86	21.86	18.72	21.00
6185MHz	Pass	-3.14	23.91	23.91	20.77	21.00
6345MHz	Pass	-3.14	23.89	23.89	20.75	21.00
6665MHz	Pass	0.94	19.75	19.75	20.69	21.00

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

Summary

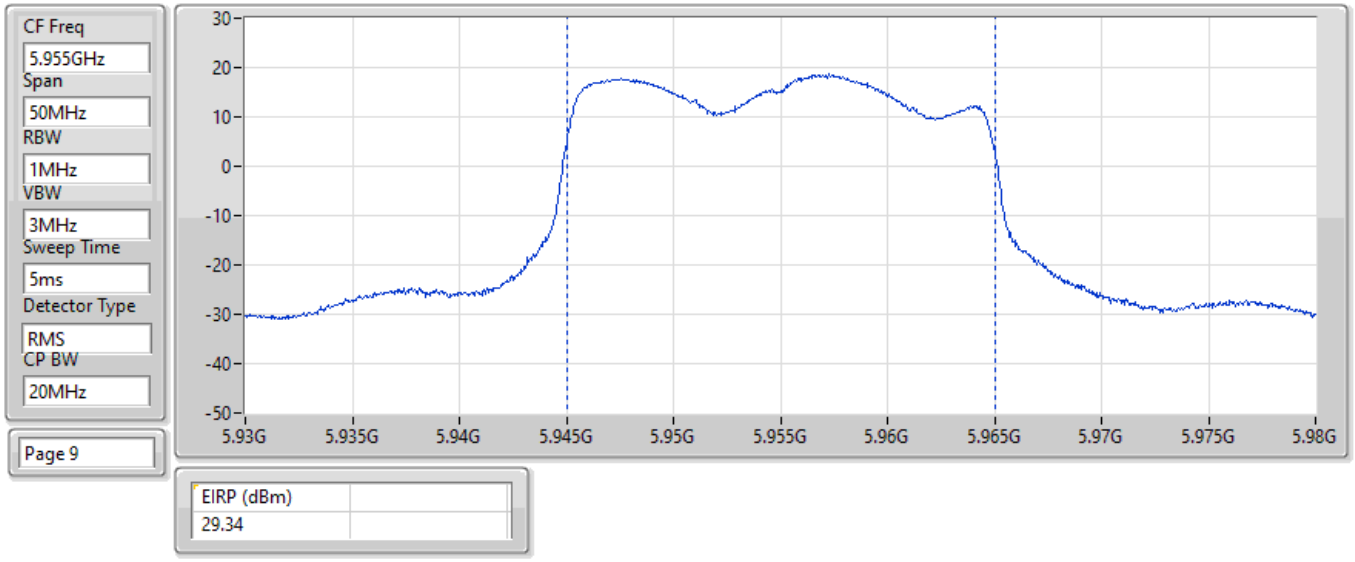
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	30.14	1.03276
802.11ax HEW40_Nss1,(MCS0)_2TX	28.85	0.76736
802.11ax HEW80_Nss1,(MCS0)_2TX	28.63	0.72946
802.11ax HEW160_Nss1,(MCS0)_2TX	29.78	0.95060
6.525-6.875GHz	-	
802.11ax HEW20_Nss1,(MCS0)_2TX	24.50	0.28184
802.11ax HEW40_Nss1,(MCS0)_2TX	23.35	0.21627
802.11ax HEW80_Nss1,(MCS0)_2TX	23.72	0.23550
802.11ax HEW160_Nss1,(MCS0)_2TX	22.91	0.19543

Result

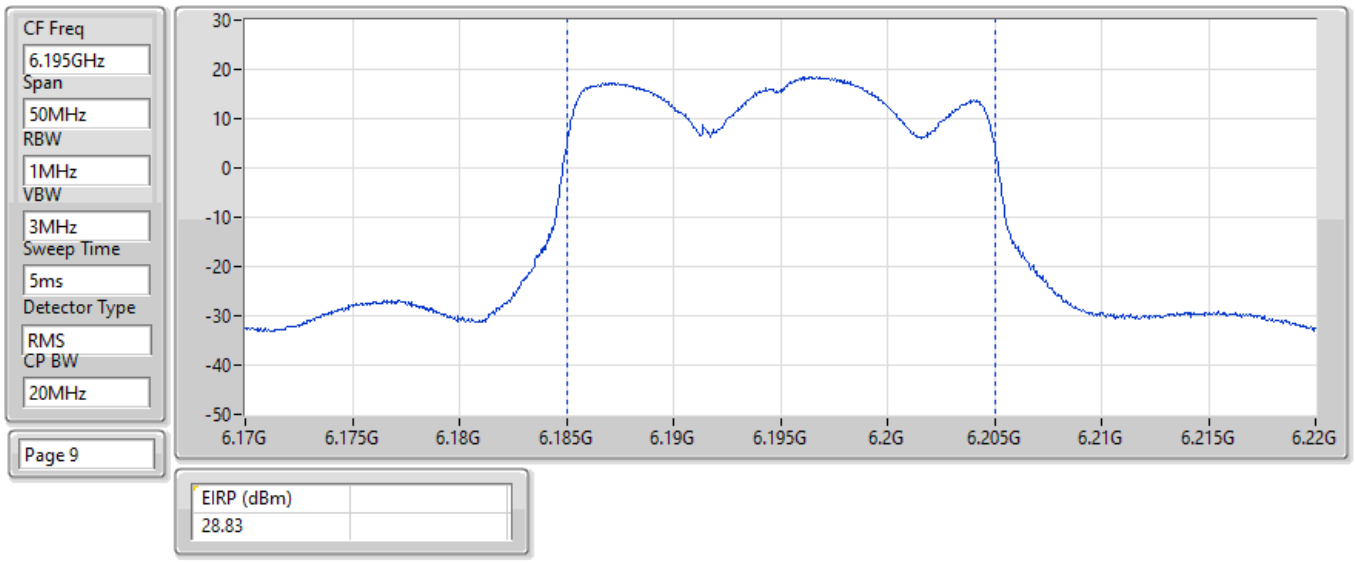
Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	29.34	36.00
6195MHz	Pass	28.83	36.00
6415MHz	Pass	30.14	36.00
6535MHz	Pass	22.42	36.00
6695MHz	Pass	24.25	36.00
6855MHz	Pass	24.50	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-		-
5965MHz	Pass	28.78	36.00
6205MHz	Pass	28.41	36.00
6405MHz	Pass	28.85	36.00
6565MHz	Pass	22.12	36.00
6685MHz	Pass	23.35	36.00
6845MHz	Pass	22.75	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-		-
5985MHz	Pass	28.63	36.00
6225MHz	Pass	27.89	36.00
6385MHz	Pass	27.96	36.00
6625MHz	Pass	23.20	36.00
6705MHz	Pass	23.18	36.00
6785MHz	Pass	23.72	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-		-
6025MHz	Pass	28.96	36.00
6185MHz	Pass	29.78	36.00
6345MHz	Pass	28.75	36.00
6665MHz	Pass	22.91	36.00

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

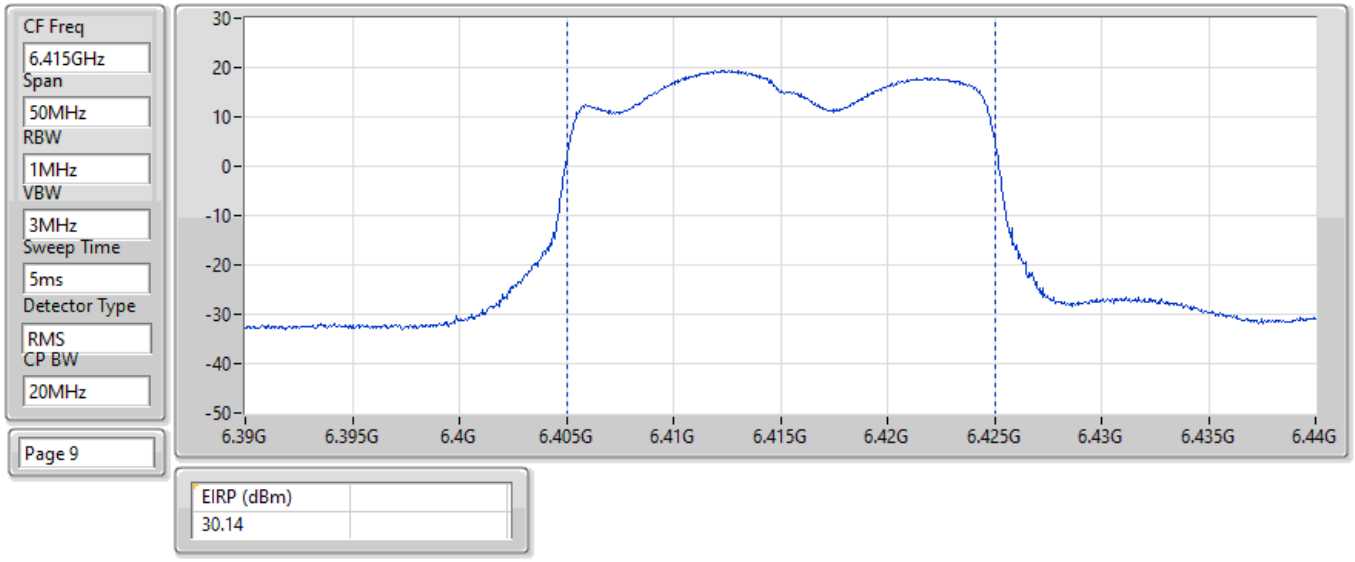
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX



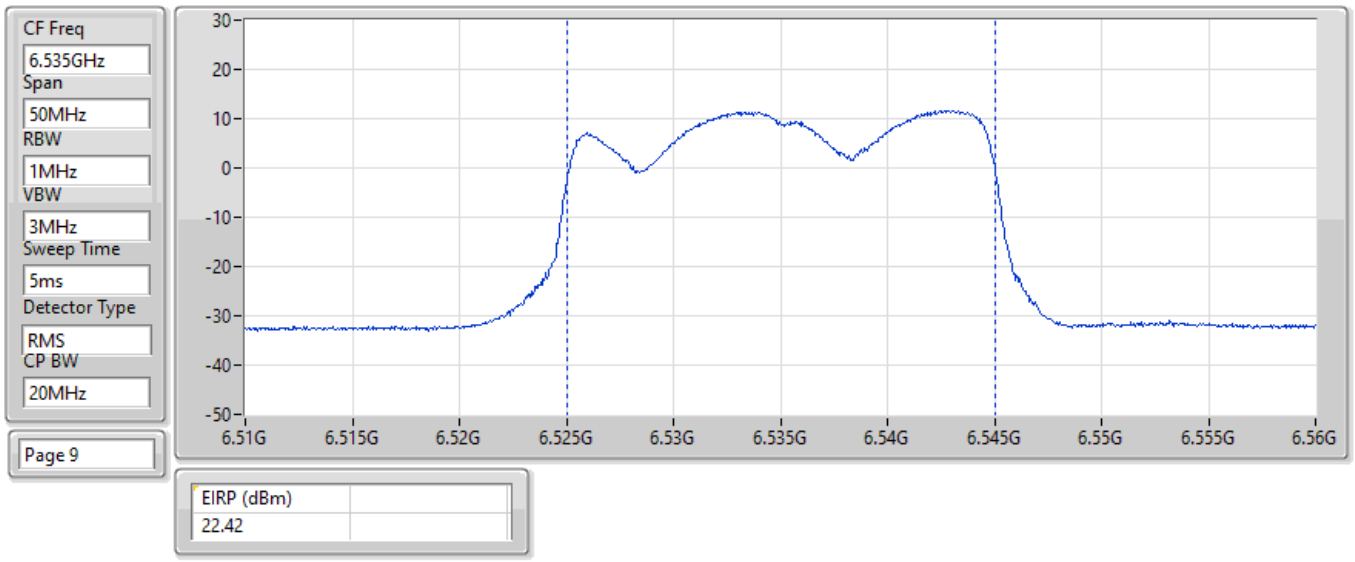
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX



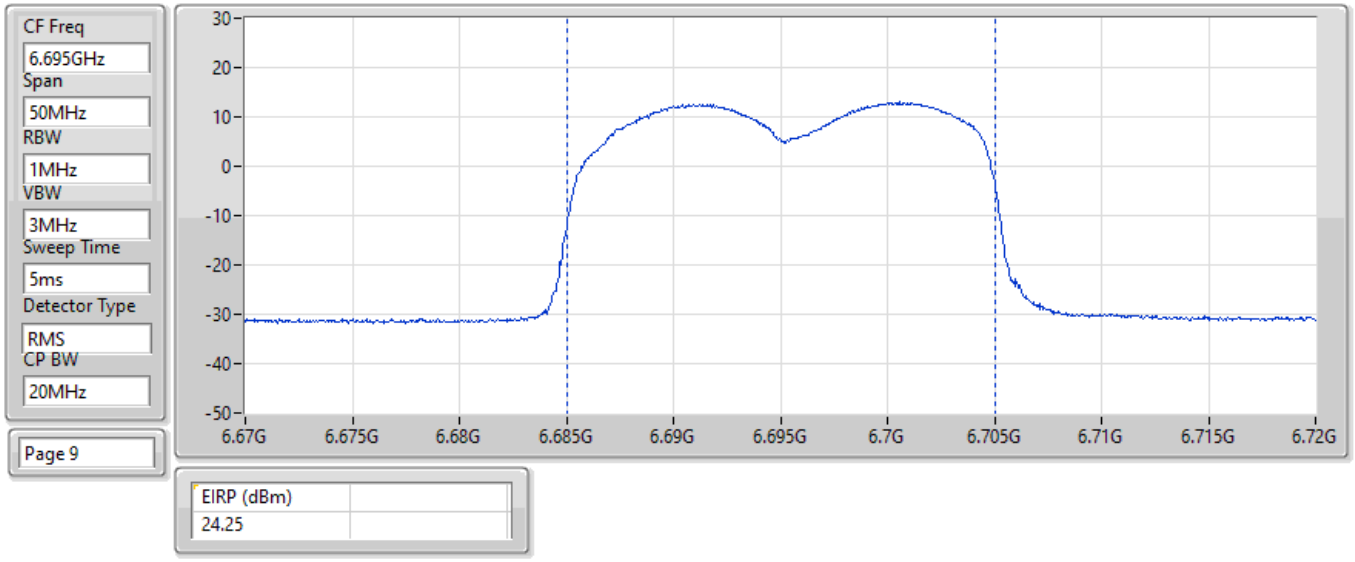
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX



EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX



EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6695MHz;TX



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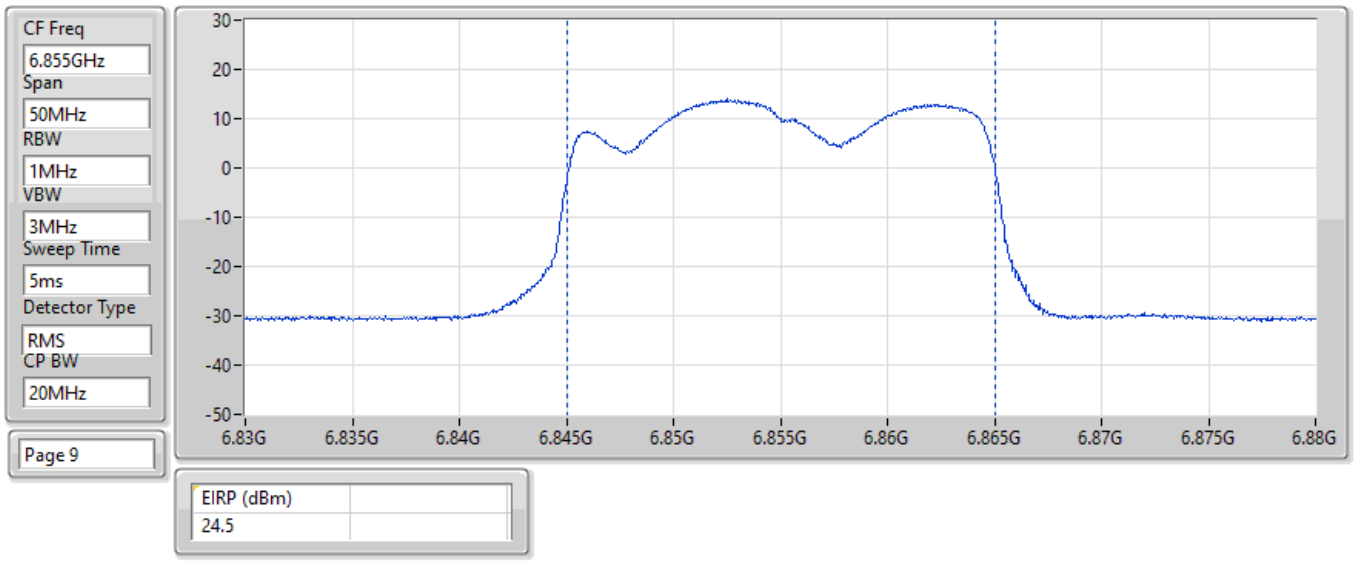
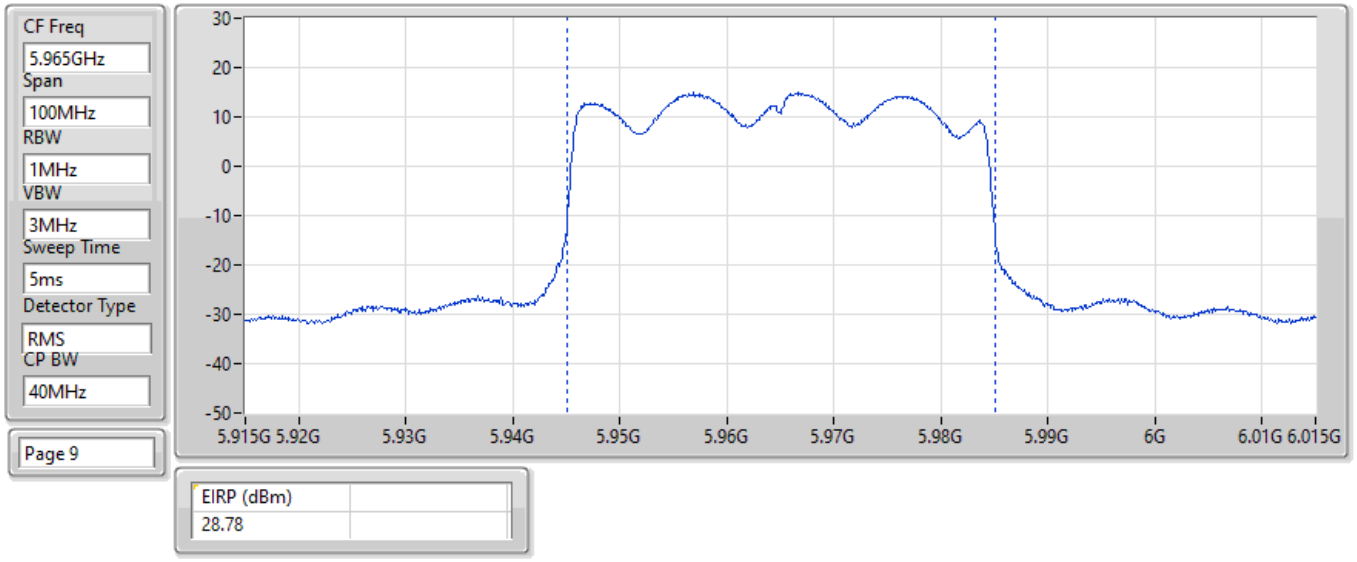
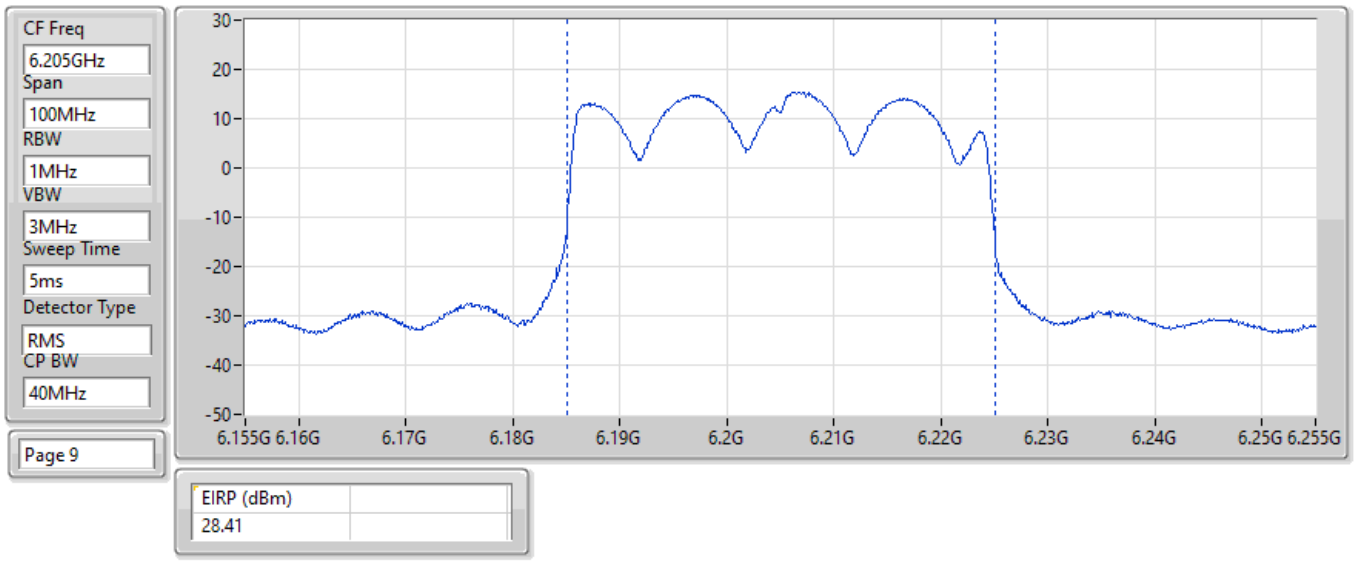


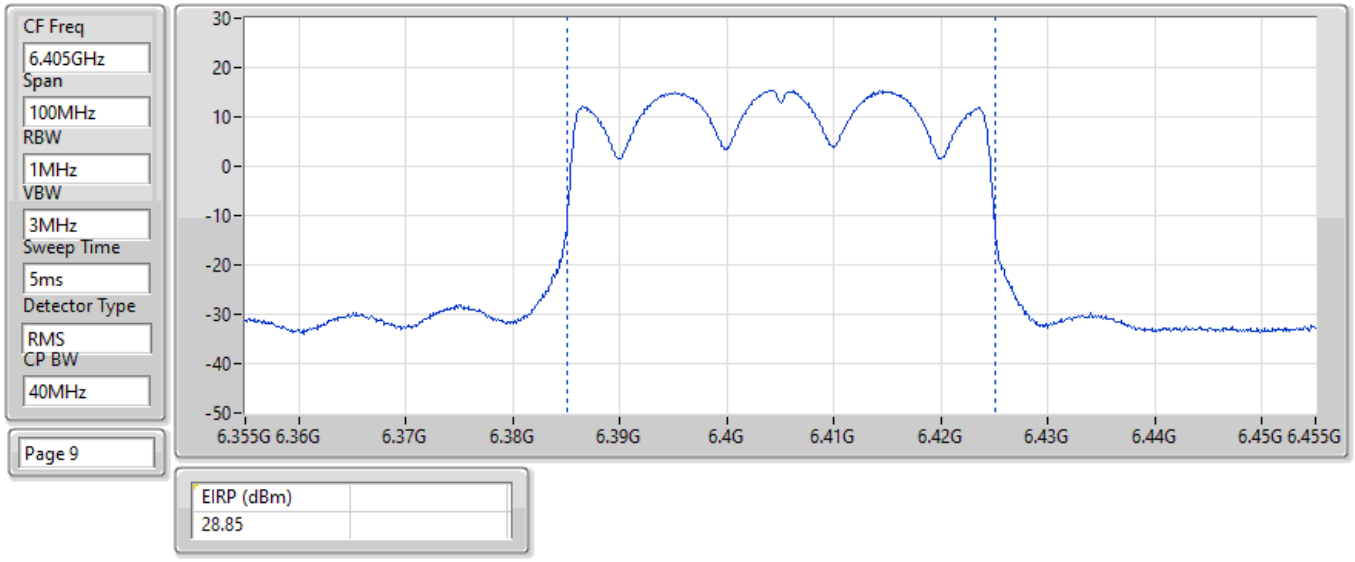
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:5965MHz;TX



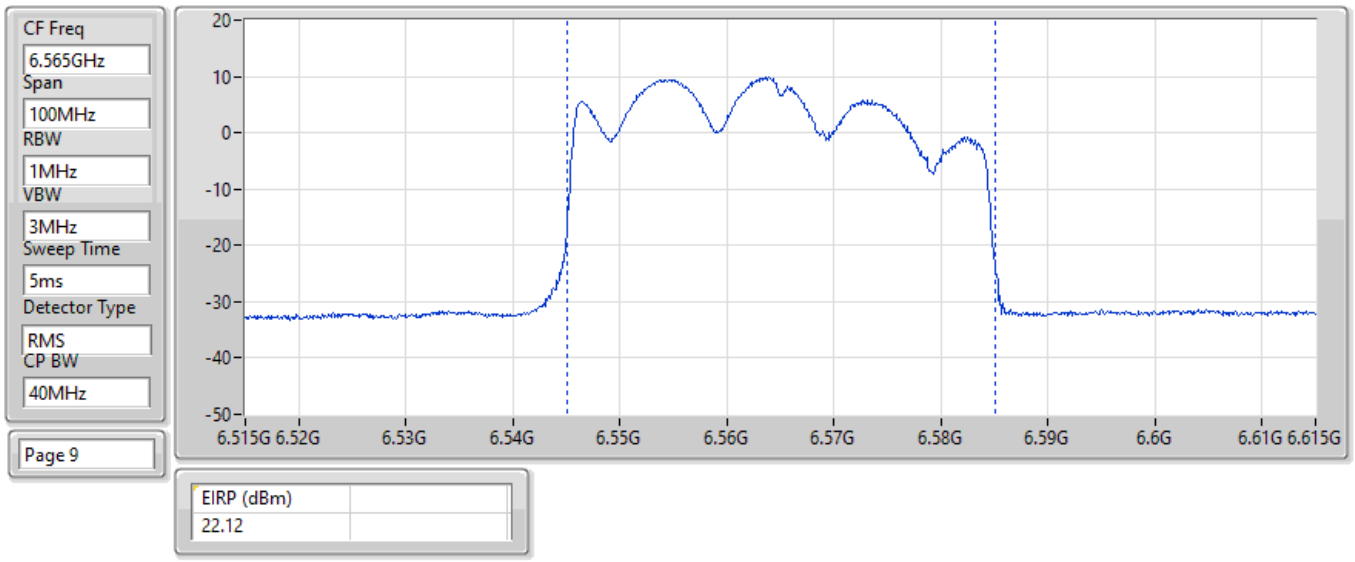
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6205MHz;TX



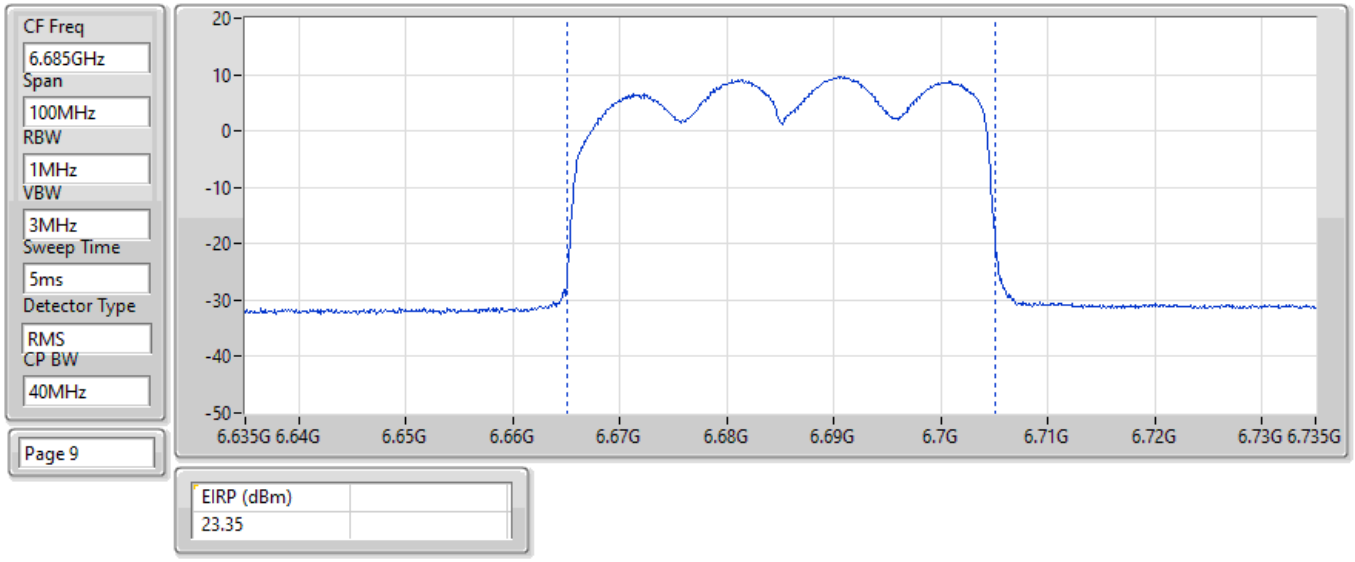
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6405MHz;TX



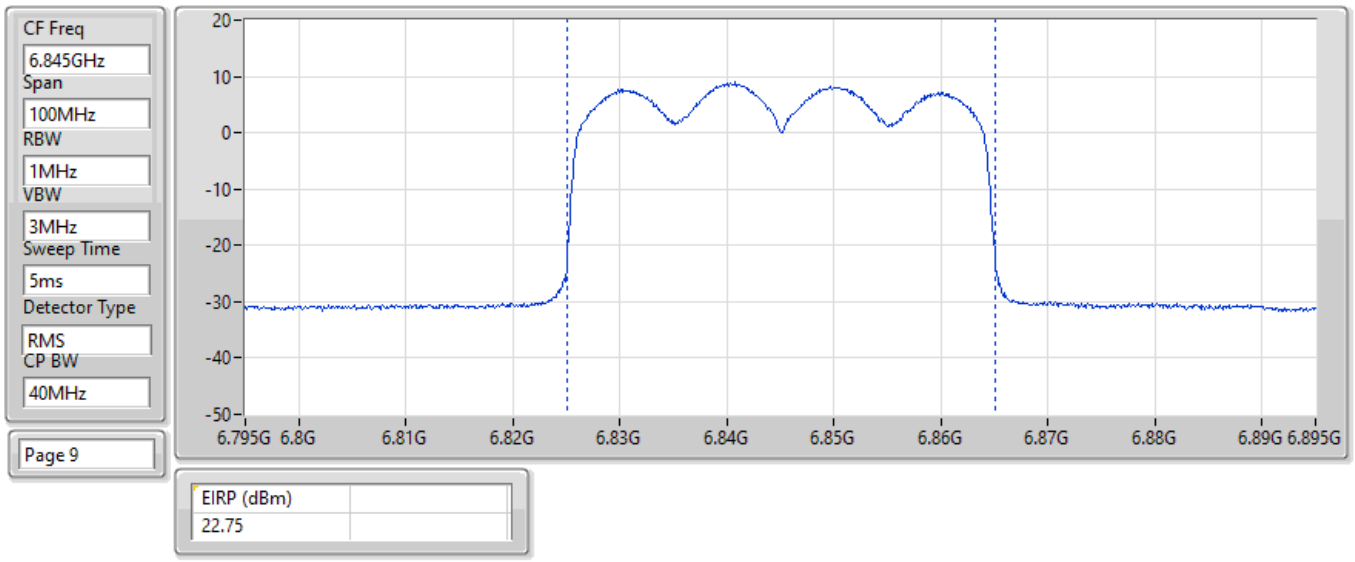
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6565MHz;TX



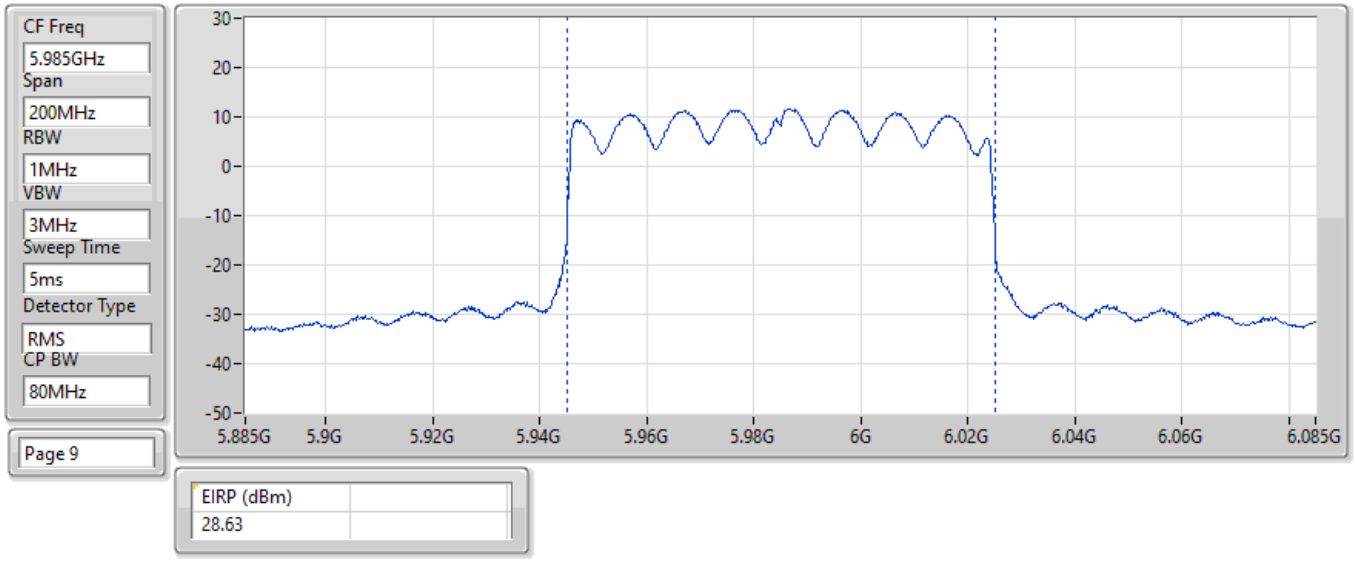
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6685MHz;TX



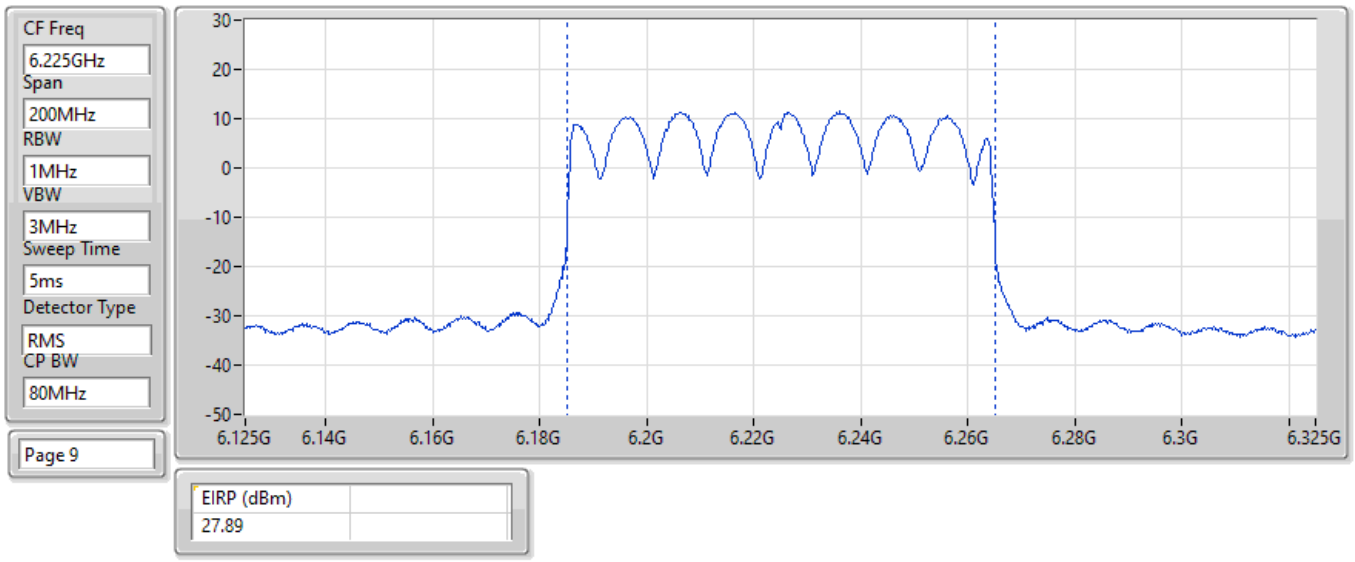
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6845MHz;TX



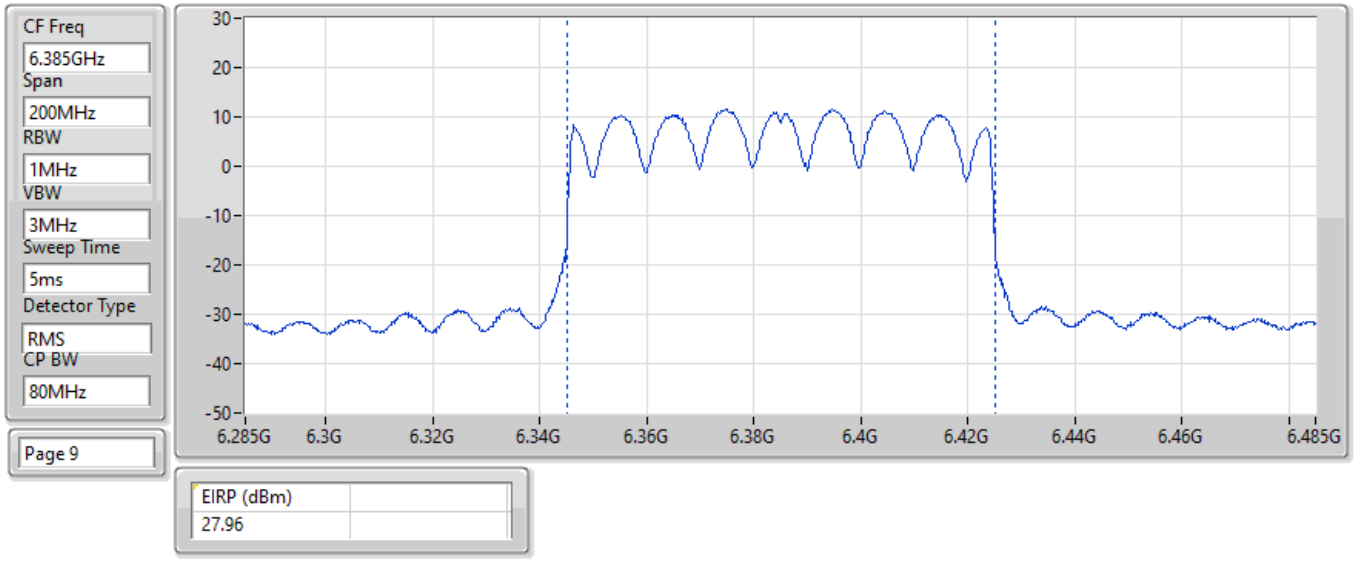
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:5985MHz;TX



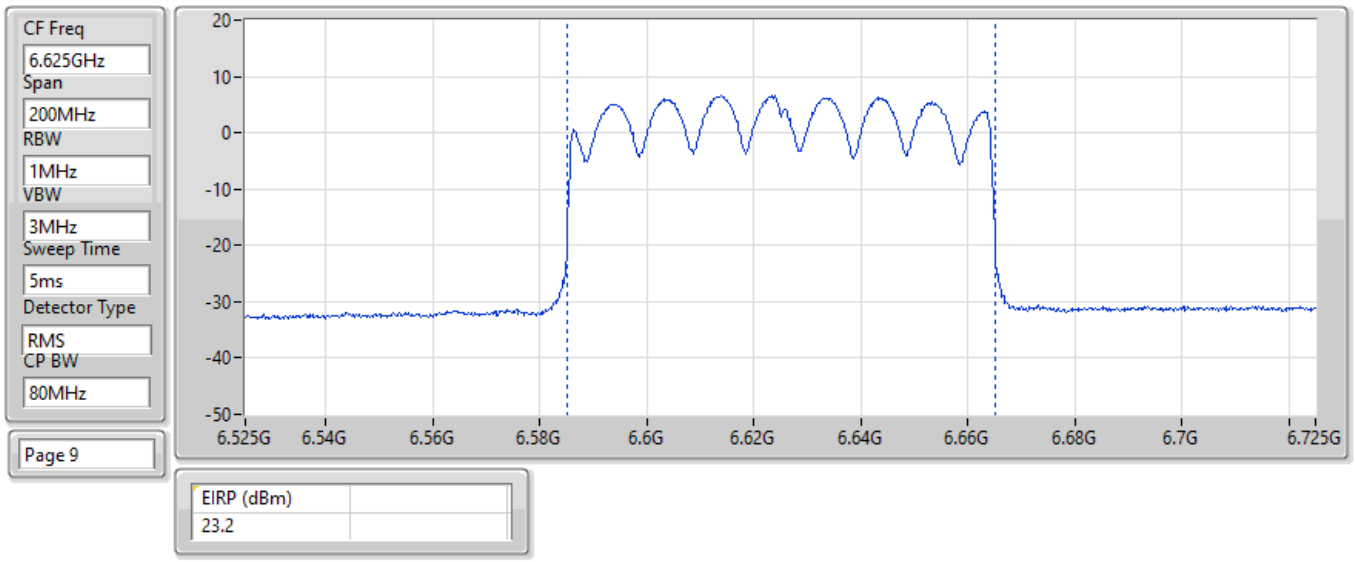
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6225MHz;TX



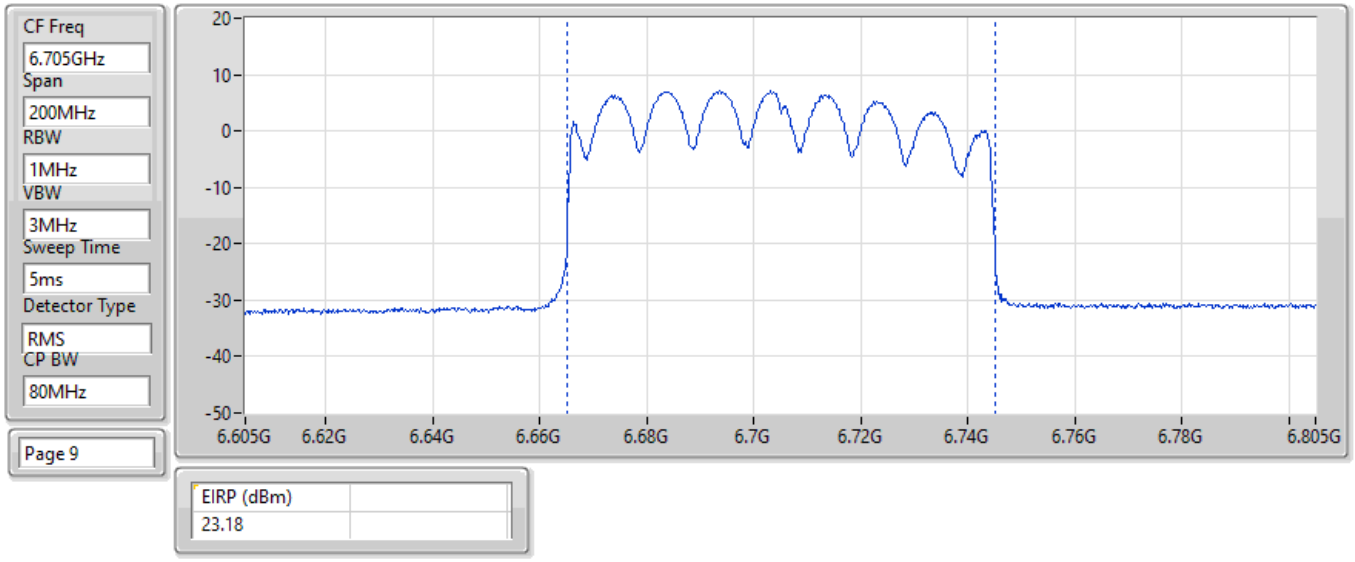
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6385MHz;TX



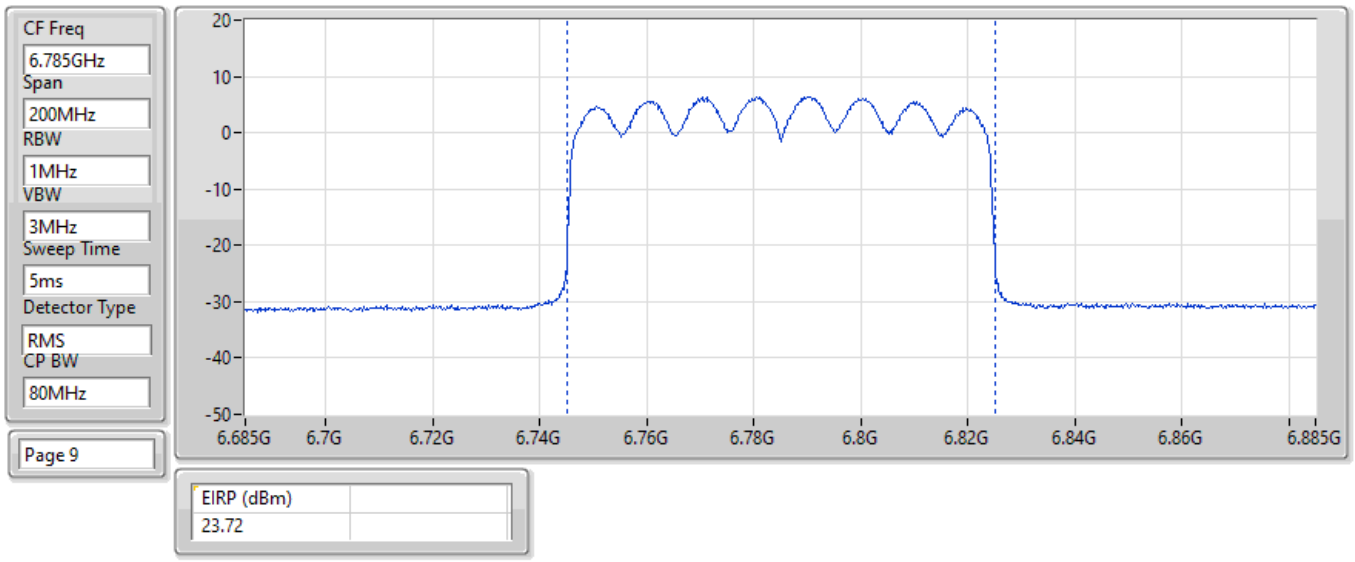
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6625MHz;TX



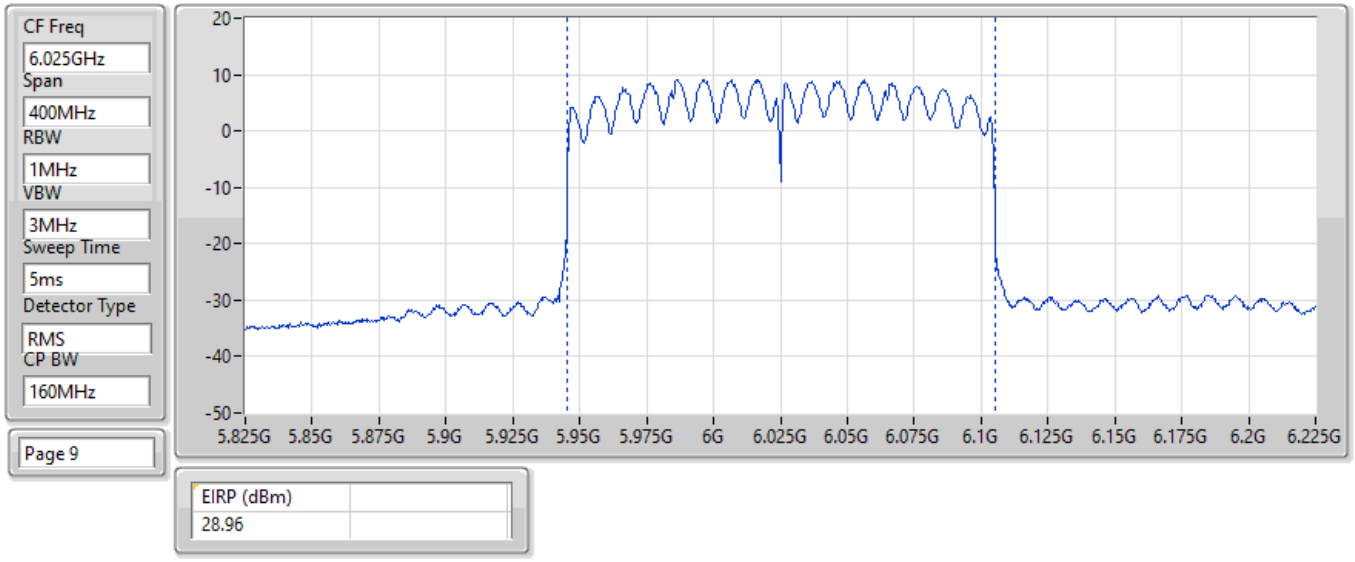
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6705MHz;TX



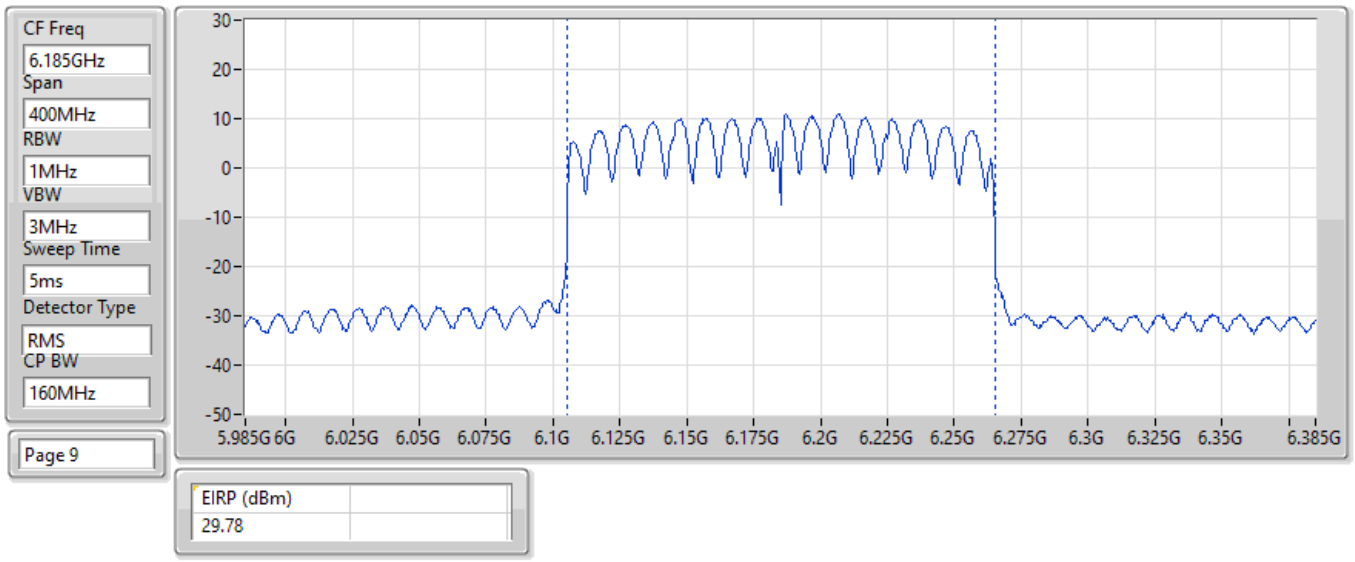
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6785MHz;TX



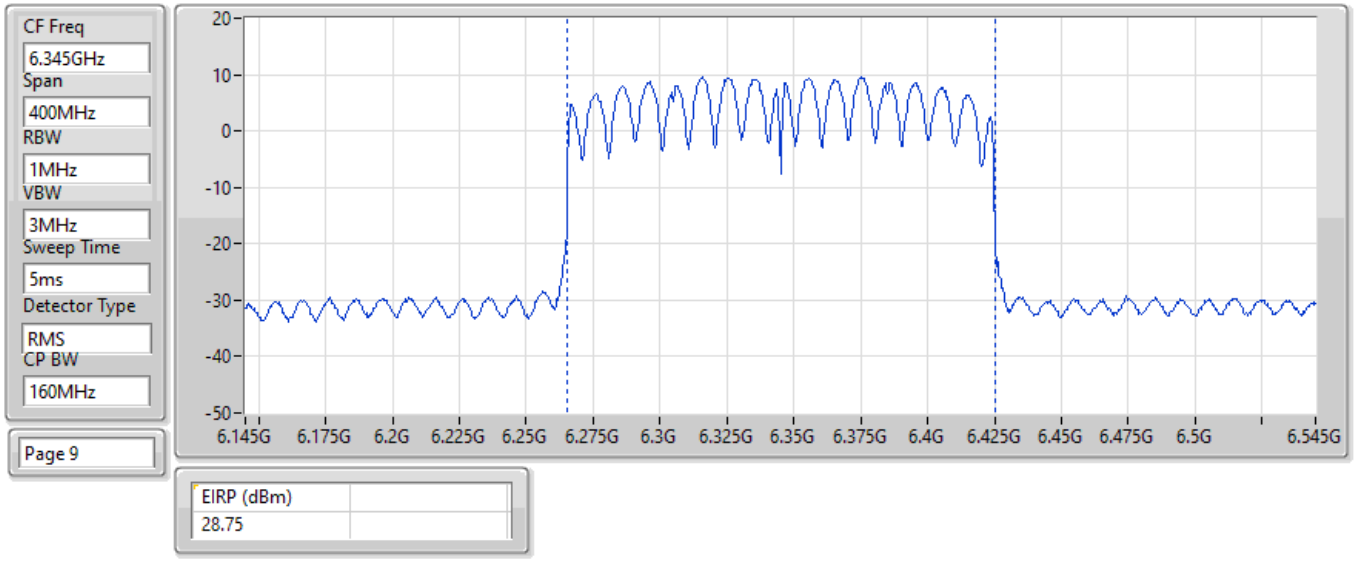
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6025MHz;TX



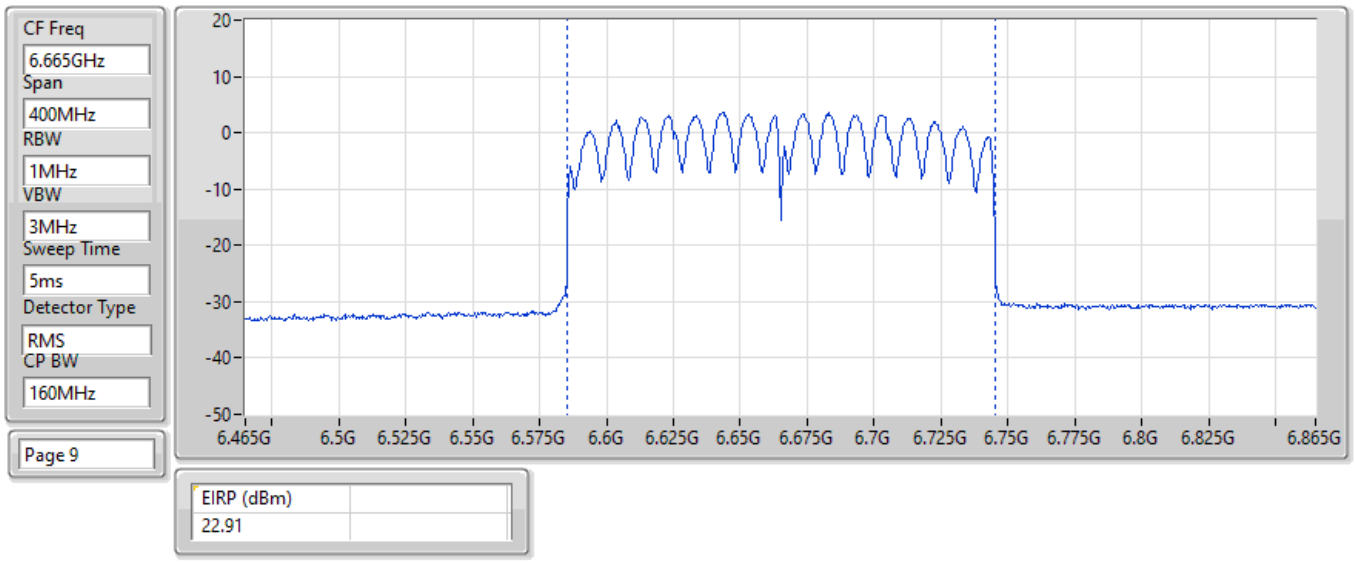
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6185MHz;TX



EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6345MHz;TX



EIRP;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6665MHz;TX



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	24.07	0.25527	20.93	0.123880
802.11ax HEW40_Nss1,(MCS0)_2TX	24.01	0.25177	20.87	0.122180
802.11ax HEW80_Nss1,(MCS0)_2TX	24.08	0.25586	20.94	0.124165
802.11ax HEW160_Nss1,(MCS0)_2TX	24.11	0.25763	20.97	0.125026
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	19.95	0.09886	20.89	0.122744
802.11ax HEW40_Nss1,(MCS0)_2TX	20.03	0.10069	20.97	0.125026
802.11ax HEW80_Nss1,(MCS0)_2TX	19.97	0.09931	20.91	0.123310
802.11ax HEW160_Nss1,(MCS0)_2TX	19.62	0.09162	20.56	0.113763

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	-3.14	20.85	21.26	24.07	20.93	21.00
6195MHz	Pass	-3.14	20.64	20.89	23.78	20.64	21.00
6415MHz	Pass	-3.14	20.49	21.03	23.78	20.64	21.00
6535MHz	Pass	0.94	16.26	17.17	19.75	20.69	21.00
6695MHz	Pass	0.94	16.80	17.08	19.95	20.89	21.00
6855MHz	Pass	0.94	16.83	16.76	19.81	20.75	21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5965MHz	Pass	-3.14	20.82	21.08	23.96	20.82	21.00
6205MHz	Pass	-3.14	21.03	20.92	23.99	20.85	21.00
6405MHz	Pass	-3.14	20.86	21.13	24.01	20.87	21.00
6565MHz	Pass	0.94	16.49	17.22	19.88	20.82	21.00
6685MHz	Pass	0.94	16.61	16.75	19.69	20.63	21.00
6845MHz	Pass	0.94	17.08	16.95	20.03	20.97	21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5985MHz	Pass	-3.14	20.83	21.08	23.97	20.83	21.00
6225MHz	Pass	-3.14	20.78	20.76	23.78	20.64	21.00
6385MHz	Pass	-3.14	21.02	21.11	24.08	20.94	21.00
6625MHz	Pass	0.94	16.64	16.57	19.62	20.56	21.00
6705MHz	Pass	0.94	16.73	16.74	19.75	20.69	21.00
6785MHz	Pass	0.94	17.10	16.82	19.97	20.91	21.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-		-
6025MHz	Pass	-3.14	20.84	20.98	23.92	20.78	21.00
6185MHz	Pass	-3.14	21.02	21.17	24.11	20.97	21.00
6345MHz	Pass	-3.14	21.18	20.92	24.06	20.92	21.00
6665MHz	Pass	0.94	16.73	16.49	19.62	20.56	21.00

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

Summary

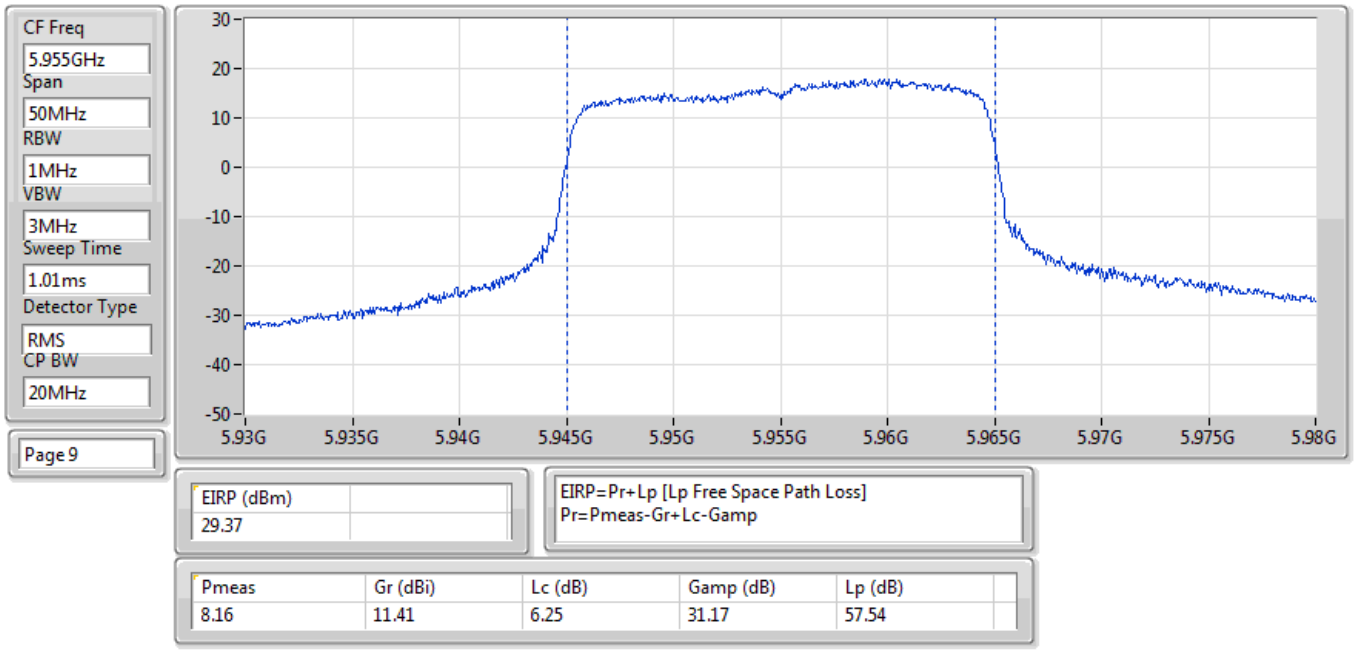
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.37	0.86497
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	29.22	0.83560
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	28.06	0.63973
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	27.43	0.55335
6.525-6.875GHz	-	
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.93	0.24717
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	24.43	0.27733
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	24.00	0.25119
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	22.54	0.17947

Result

Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	29.37	36.00
6195MHz	Pass	28.32	36.00
6415MHz	Pass	29.26	36.00
6535MHz	Pass	23.93	36.00
6695MHz	Pass	23.11	36.00
6855MHz Straddle 6.525-6.875GHz	Pass	23.14	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	28.37	36.00
6205MHz	Pass	28.01	36.00
6405MHz	Pass	29.22	36.00
6565MHz	Pass	23.83	36.00
6685MHz	Pass	24.43	36.00
6845MHz Straddle 6.525-6.875GHz	Pass	23.94	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	26.37	36.00
6225MHz	Pass	28.06	36.00
6385MHz	Pass	27.89	36.00
6625MHz	Pass	22.62	36.00
6705MHz	Pass	23.16	36.00
6785MHz	Pass	24.00	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	27.43	36.00
6185MHz	Pass	27.02	36.00
6345MHz	Pass	26.79	36.00
6665MHz	Pass	22.54	36.00

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

EIRP;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX

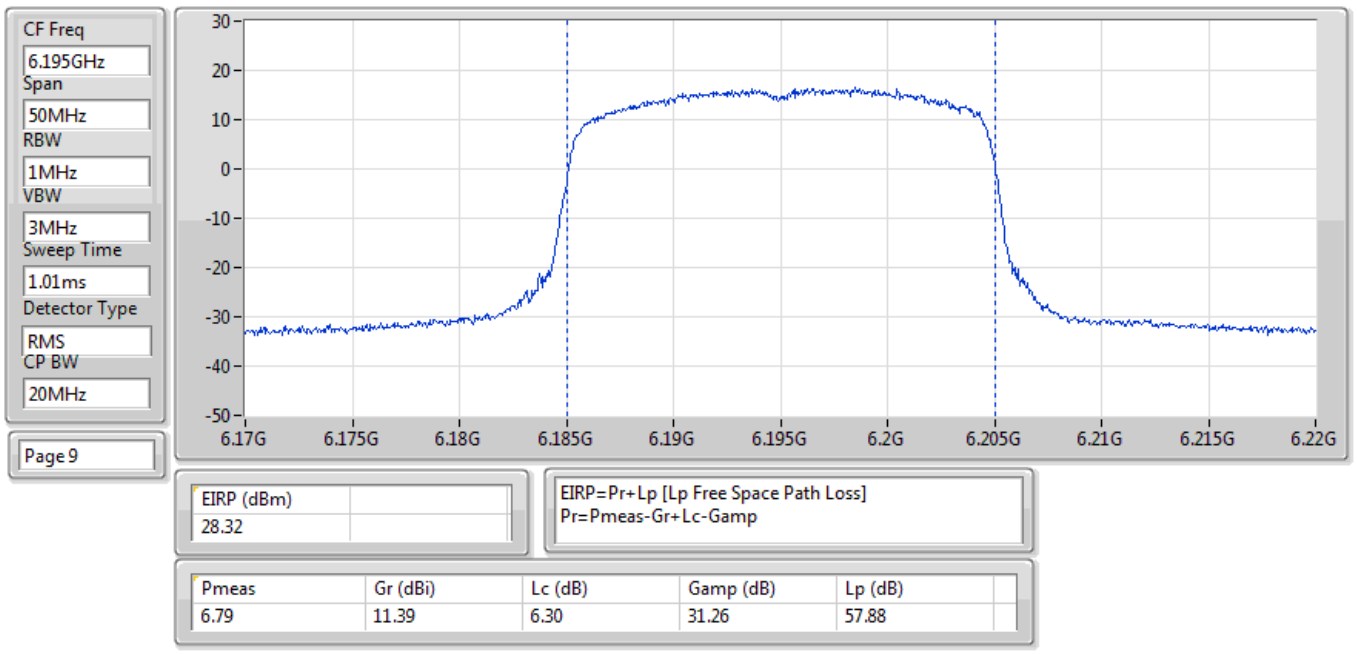


EIRP (dBm)
29.37

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.16	11.41	6.25	31.17	57.54

EIRP;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX

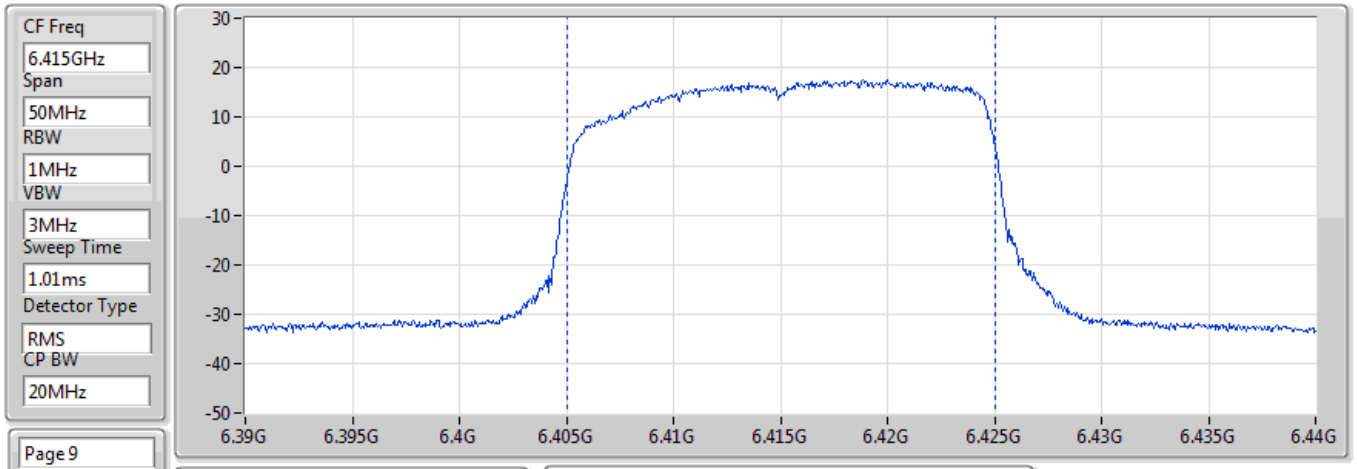


EIRP (dBm)
28.32

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.79	11.39	6.30	31.26	57.88

EIRP;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX

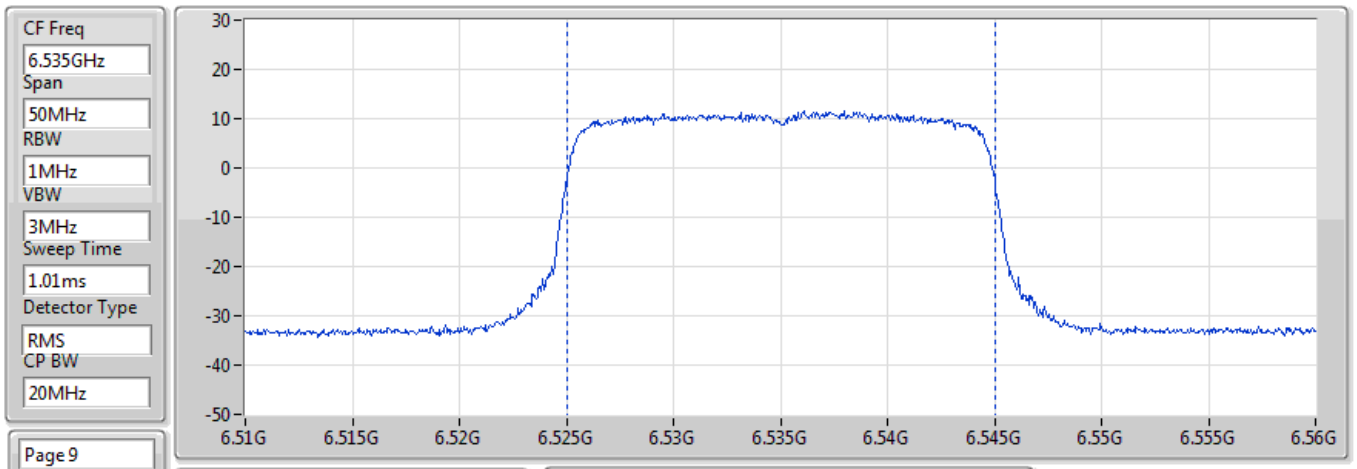


EIRP (dBm)
29.26

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.85	11.86	6.41	31.33	58.19

EIRP;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX

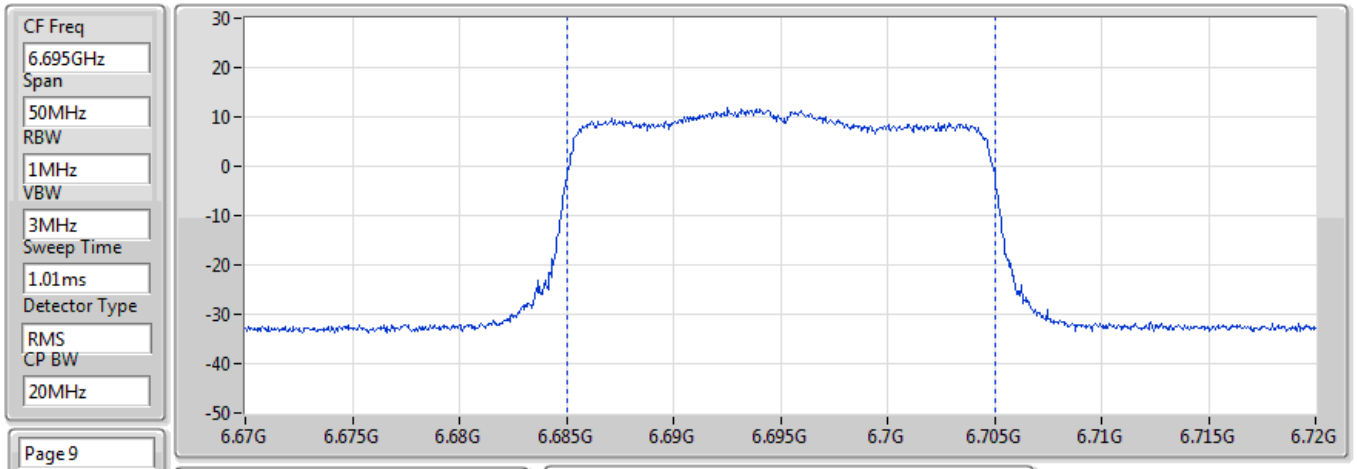


EIRP (dBm)
23.93

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.54	12.03	6.47	31.40	58.35

EIRP;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6695MHz;TX

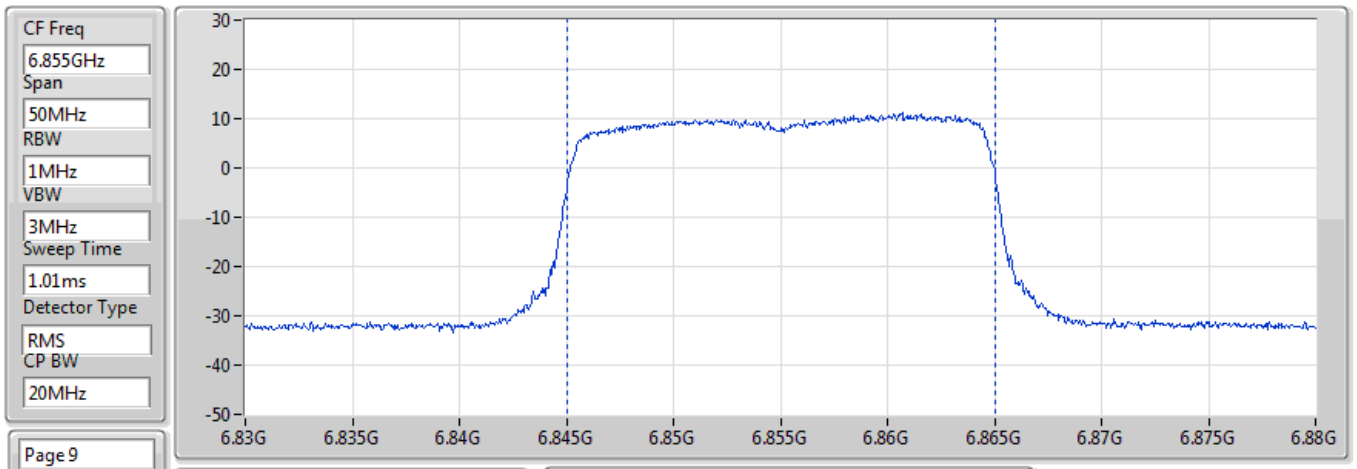


EIRP (dBm)
23.11

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.20	11.61	6.55	31.59	58.56

EIRP;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6855MHz;TX

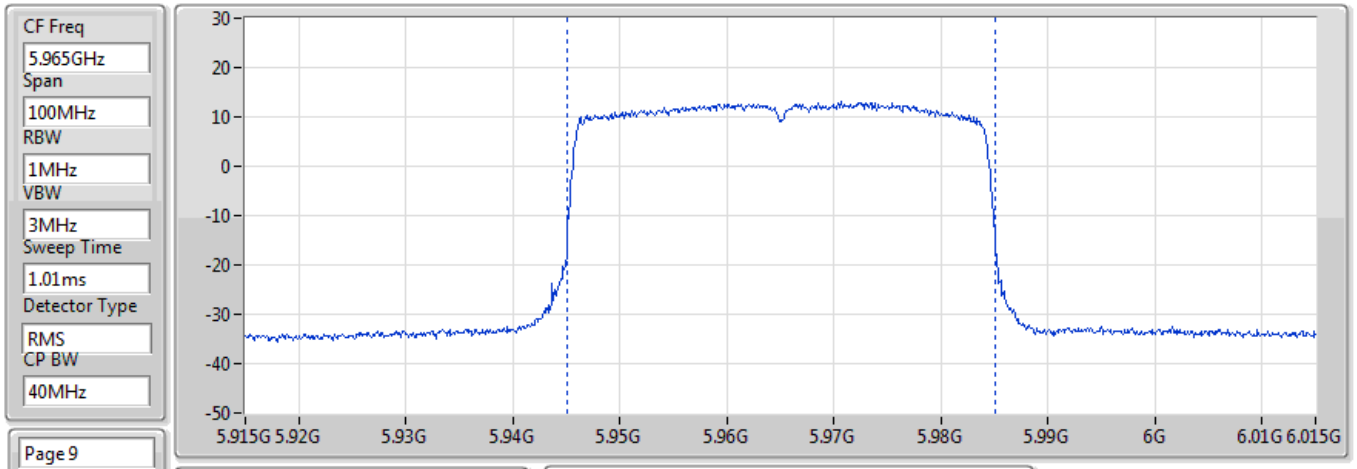


EIRP (dBm)
23.14

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.12	11.60	6.63	31.77	58.76

EIRP;Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:5965MHz;TX

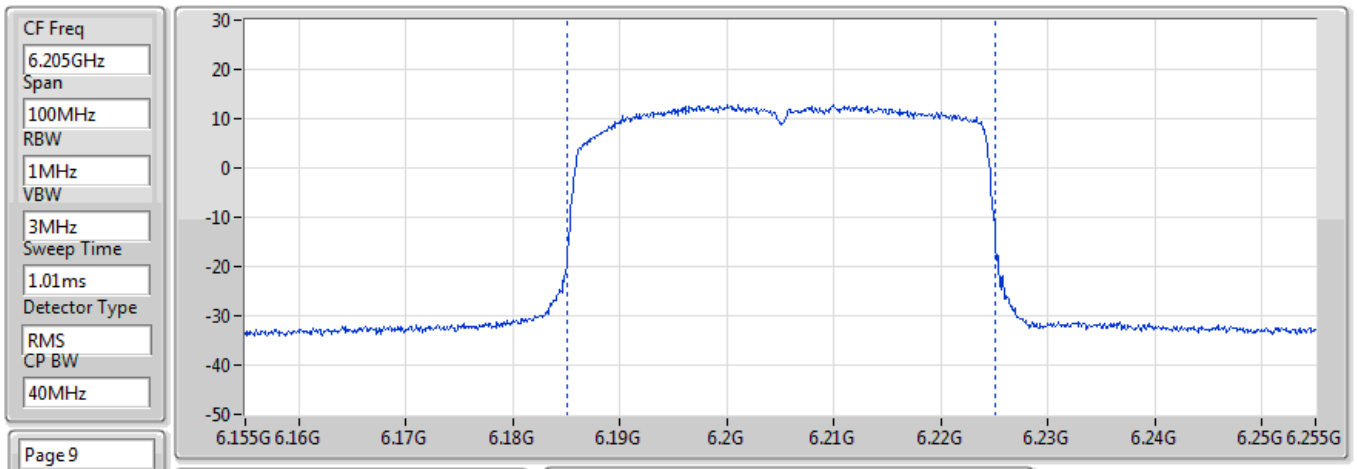


EIRP (dBm)
28.37

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.16	11.43	6.26	31.17	57.55

EIRP;Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6205MHz;TX

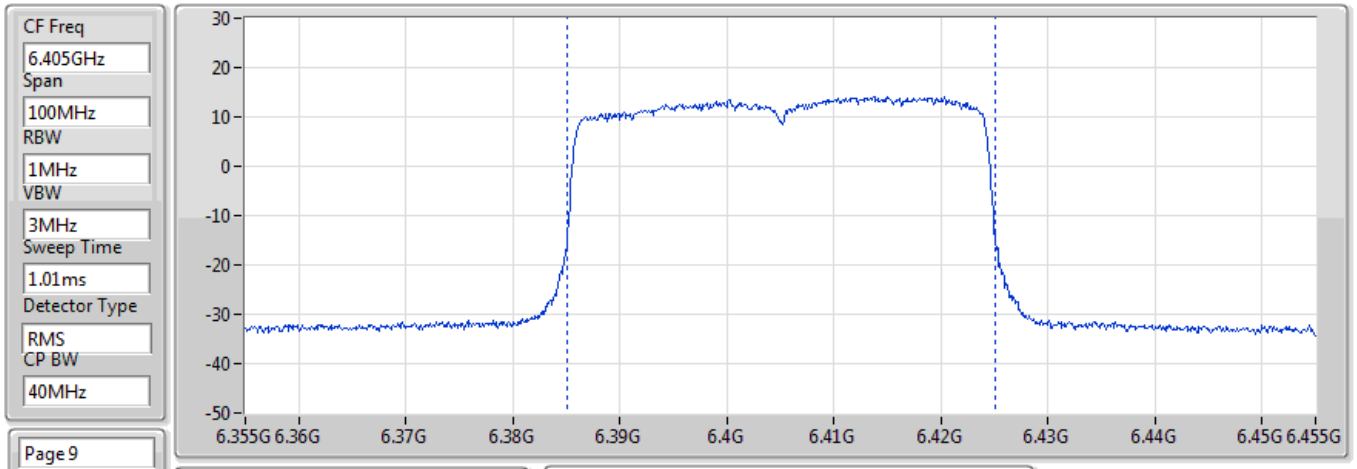


EIRP (dBm)
28.01

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.48	11.41	6.30	31.26	57.90

EIRP;Band:6.2G;ax40,BF;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6405MHz;TX

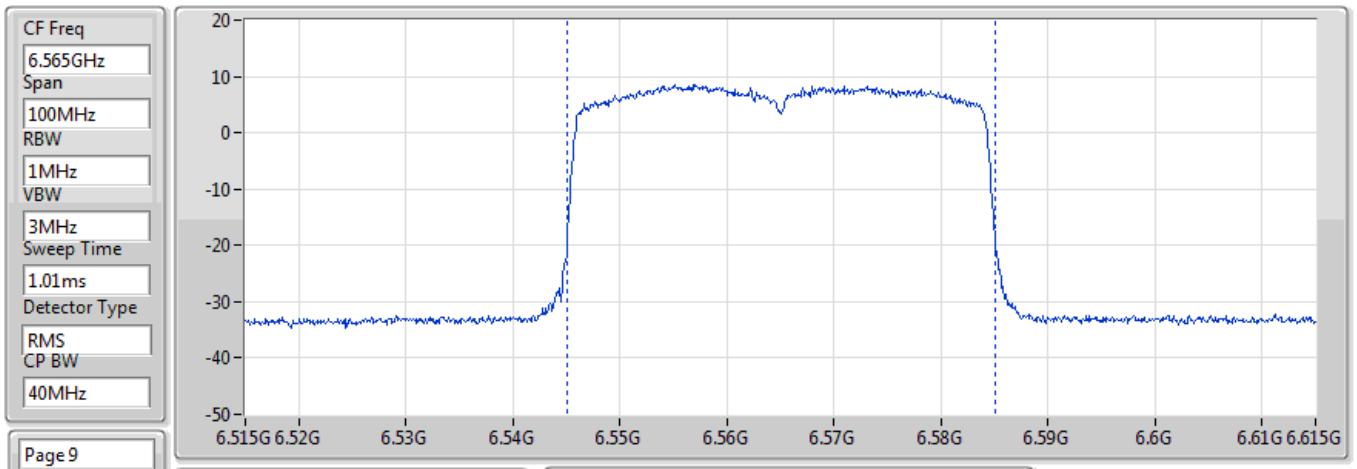


EIRP (dBm)
29.22

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.80	11.82	6.40	31.33	58.17

EIRP;Band:6.7G;ax40,BF;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6565MHz;TX

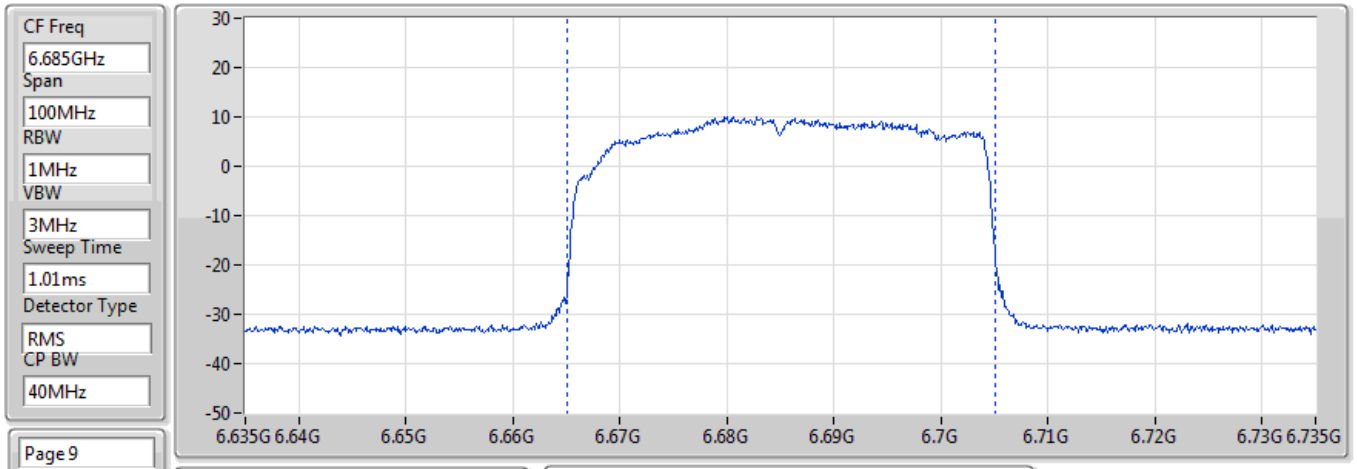


EIRP (dBm)
23.83

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.34	11.94	6.48	31.44	58.39

EIRP;Band:6.7G;ax40,BF;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6685MHz;TX

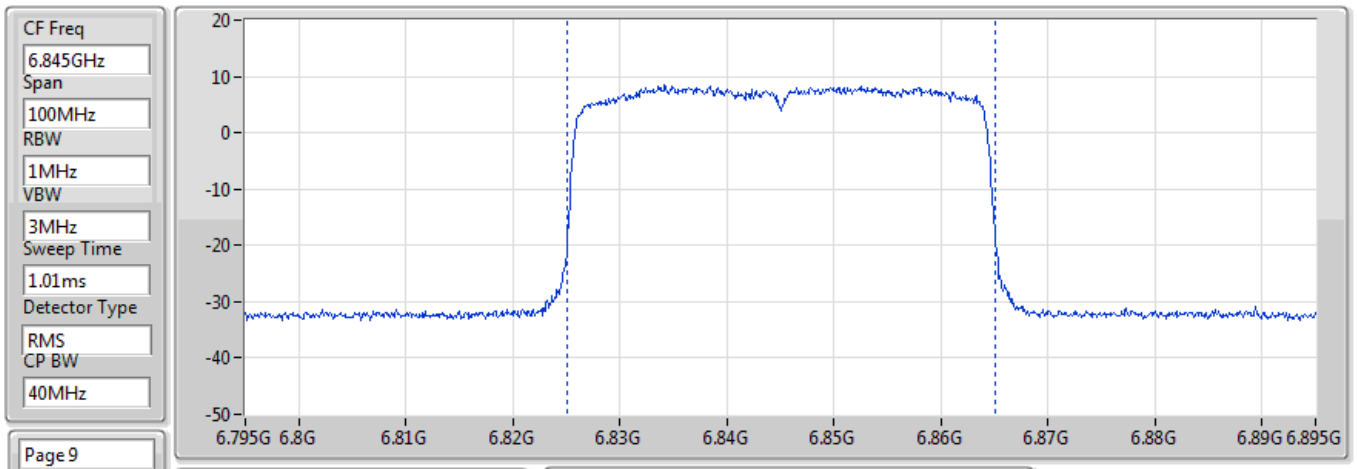


EIRP (dBm)
24.43

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
2.55	11.63	6.54	31.57	58.54

EIRP;Band:6.7G;ax40,BF;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6845MHz;TX

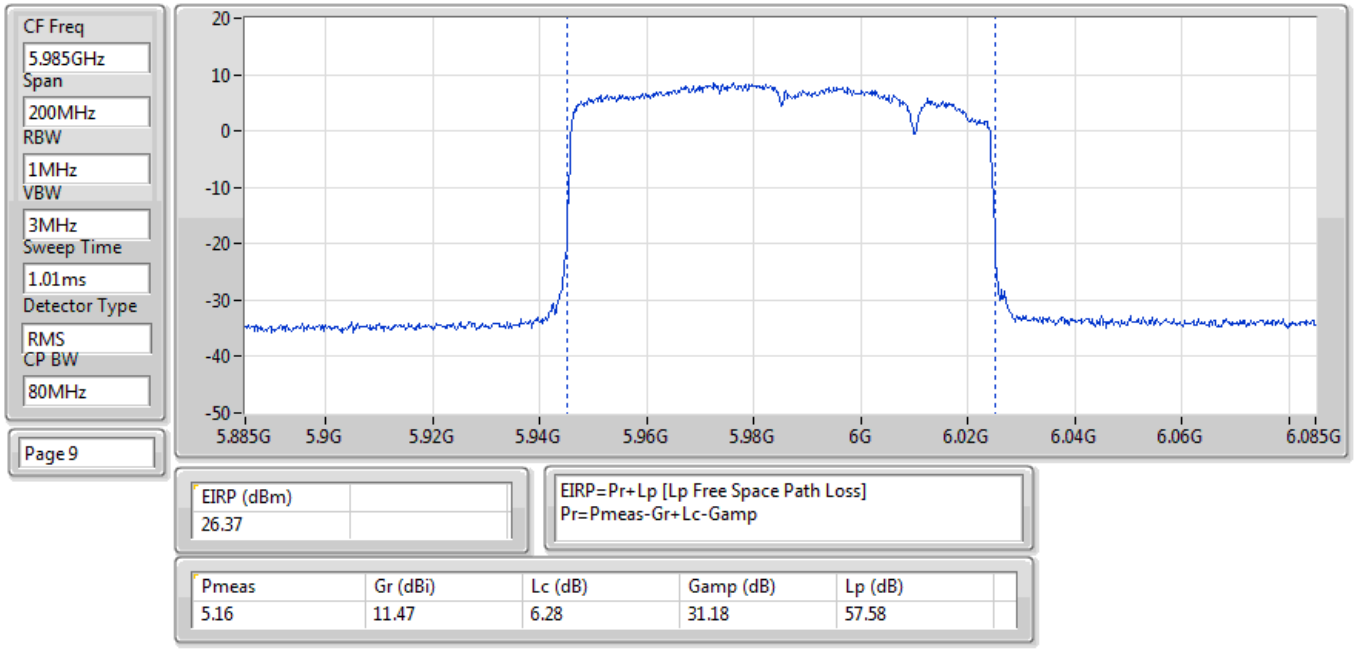


EIRP (dBm)
23.94

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.91	11.58	6.62	31.76	58.75

EIRP;Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:5985MHz;TX

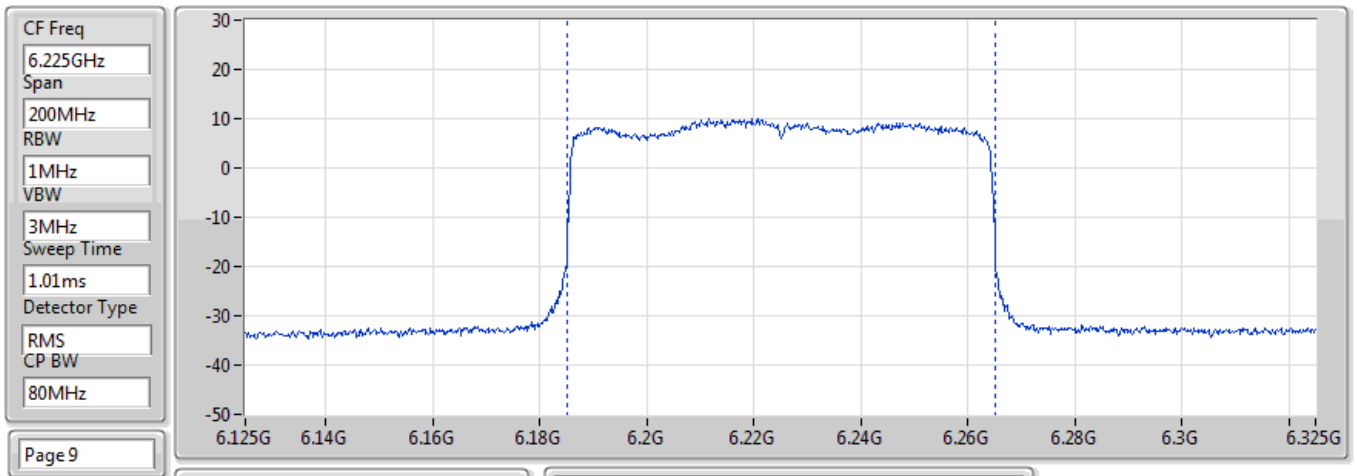


EIRP (dBm)
26.37

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.16	11.47	6.28	31.18	57.58

EIRP;Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6225MHz;TX

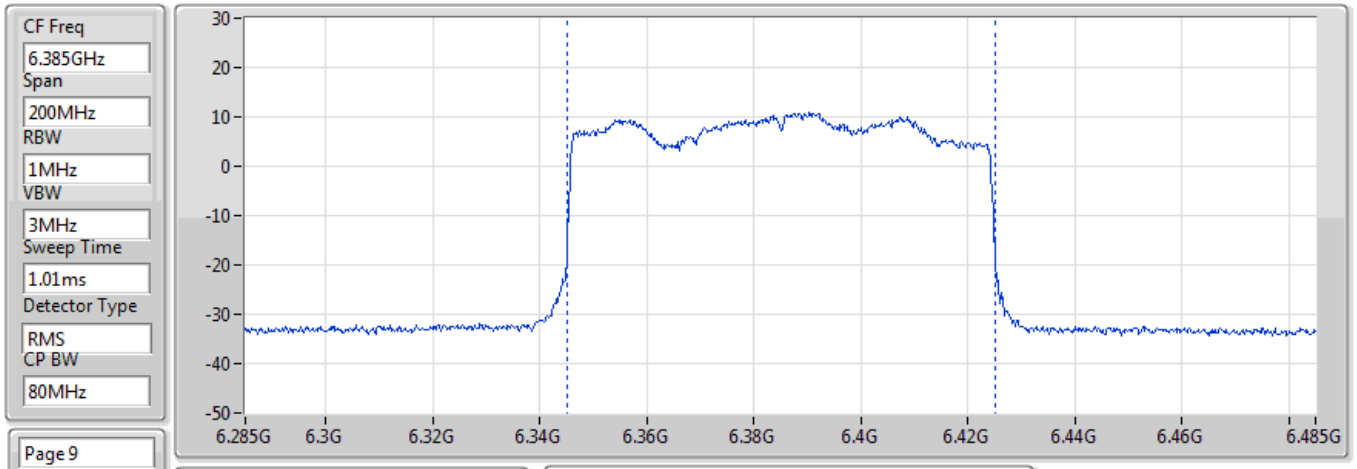


EIRP (dBm)
28.06

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.54	11.45	6.31	31.27	57.93

EIRP;Band:6.2G;ax80,BF;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6385MHz;TX

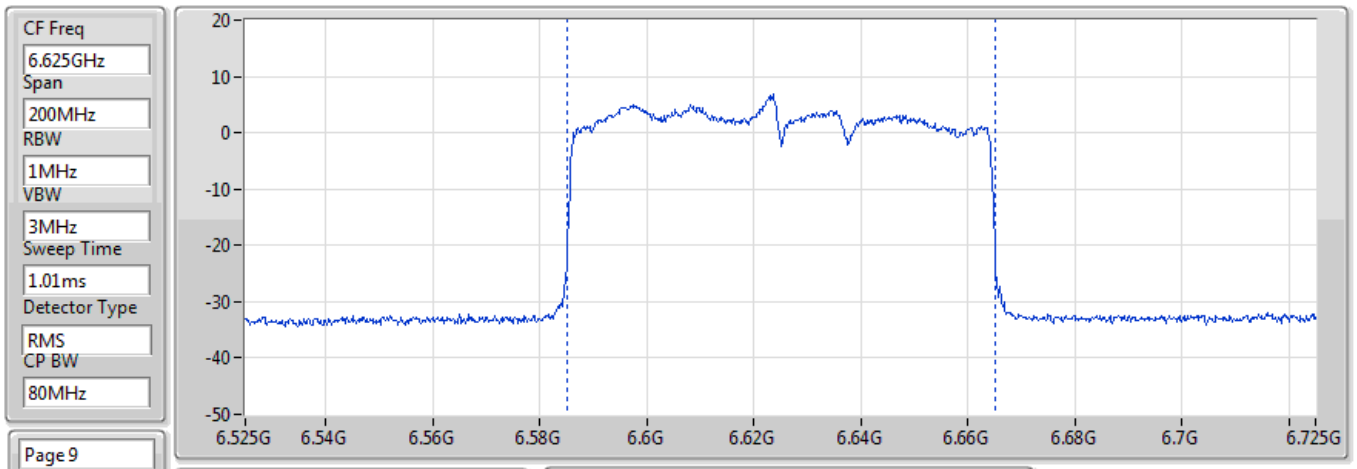


EIRP (dBm)
27.89

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.47	11.80	6.39	31.32	58.15

EIRP;Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6625MHz;TX

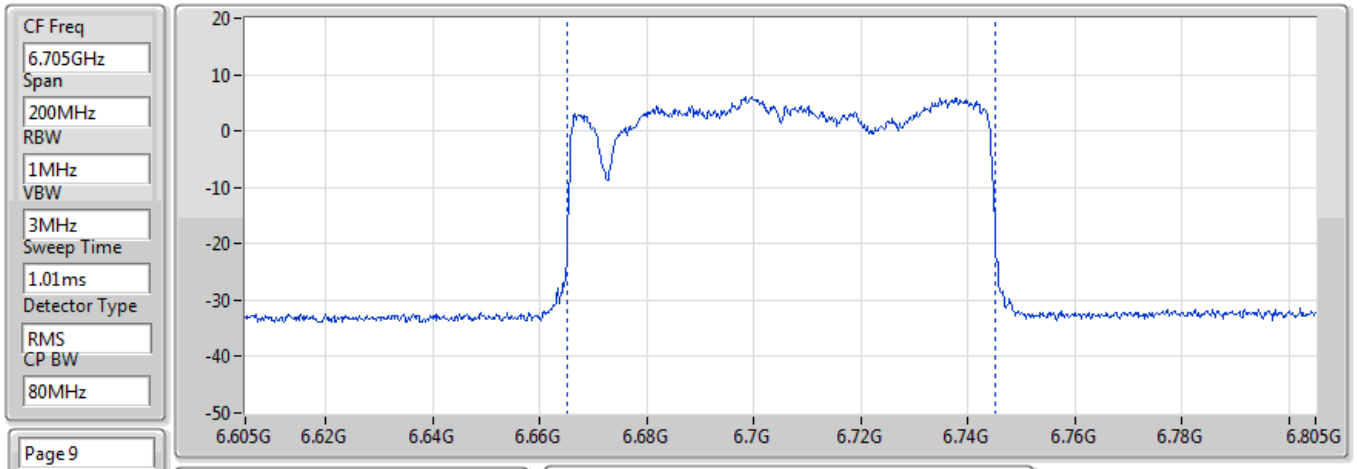


EIRP (dBm)
22.62

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.89	11.75	6.51	31.50	58.47

EIRP;Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6705MHz;TX

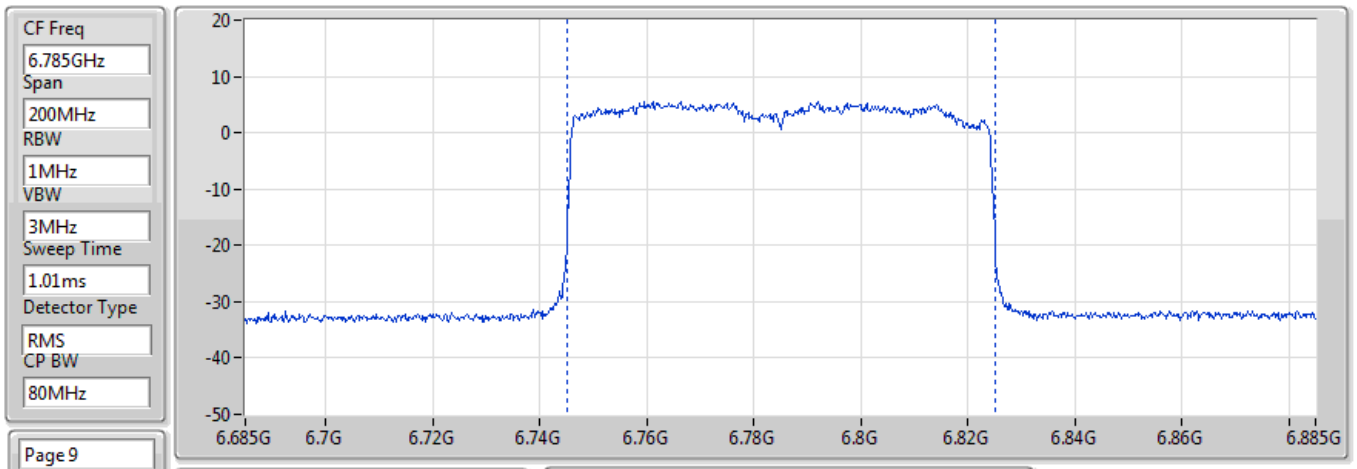


EIRP (dBm)
23.16

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.24	11.60	6.55	31.60	58.57

EIRP;Band:6.7G;ax80,BF;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6785MHz;TX

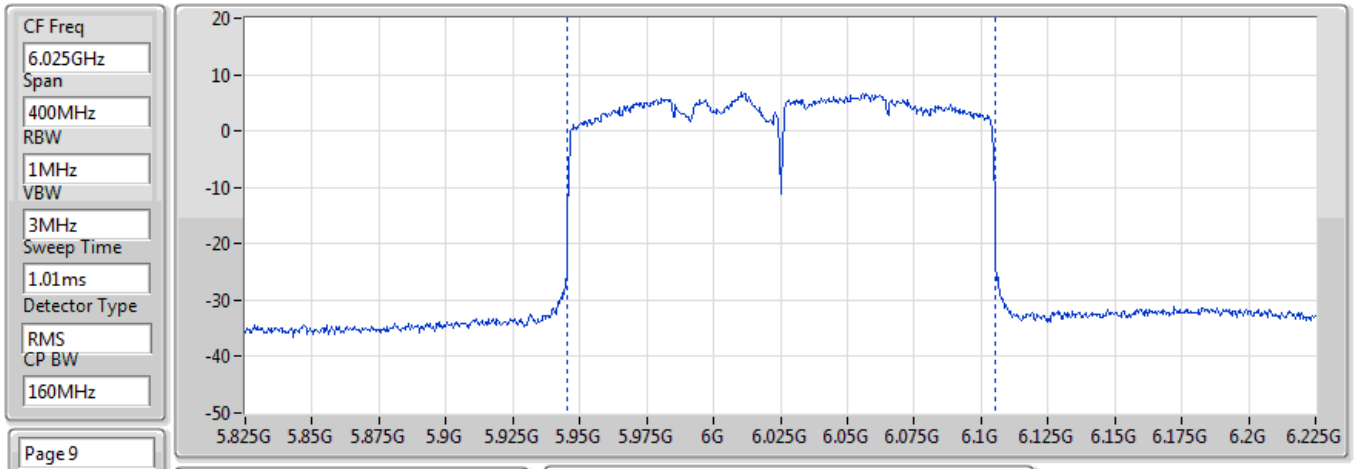


EIRP (dBm)
24

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
1.89	11.46	6.59	31.69	58.67

EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6025MHz;TX

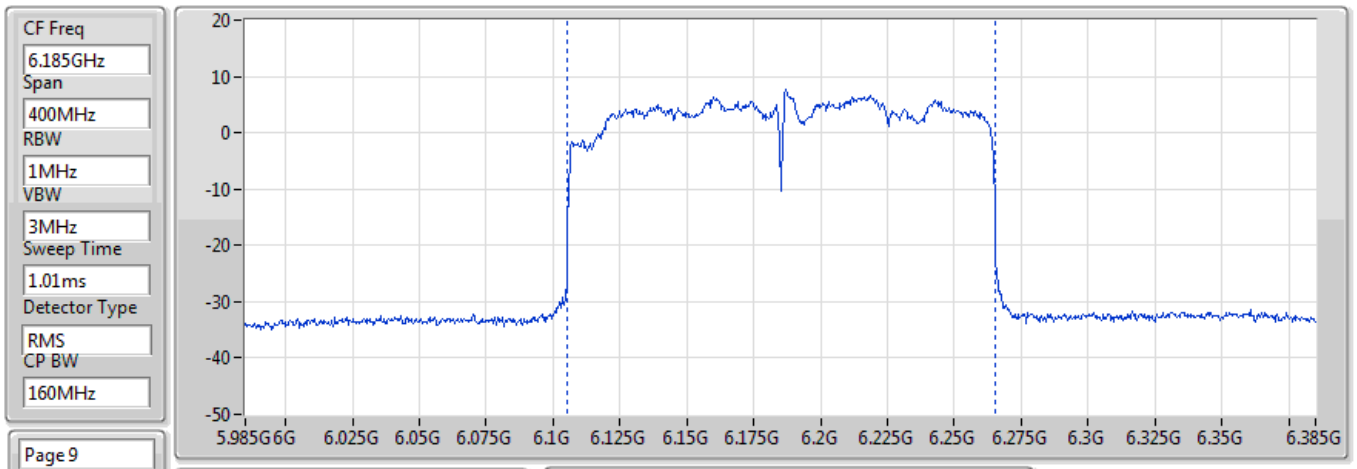


EIRP (dBm)
27.43

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.14	11.45	6.30	31.20	57.64

EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6185MHz;TX

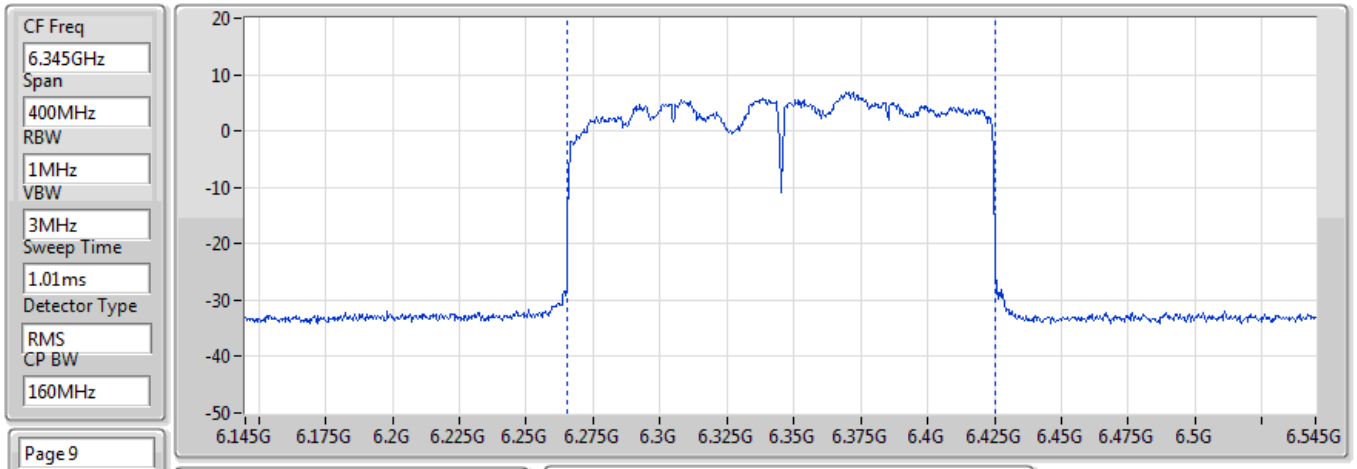


EIRP (dBm)
27.02

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.47	11.37	6.30	31.25	57.87

EIRP;Band:6.2G;ax160,BF;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6345MHz;TX

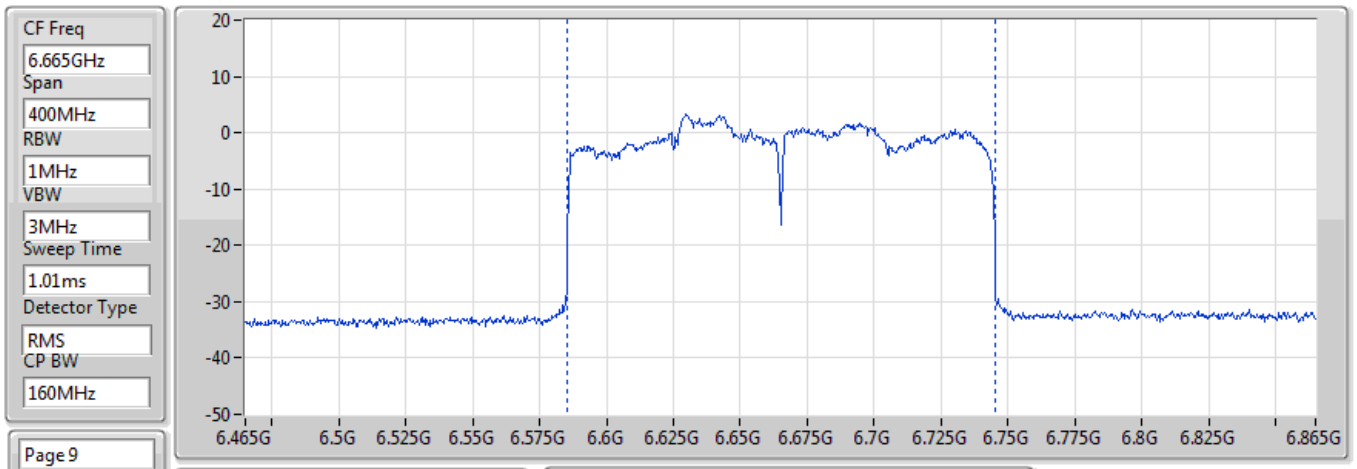


EIRP (dBm)
26.79

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
5.43	11.79	6.37	31.31	58.09

EIRP;Band:6.7G;ax160,BF;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6665MHz;TX



EIRP (dBm)
22.54

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
0.71	11.67	6.53	31.55	58.52

Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.04	0.12706	20.91	0.123310
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.80	0.12023	20.67	0.116681
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	20.88	0.12246	20.75	0.118850
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	20.91	0.12331	20.78	0.119674
6.525-6.875GHz	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	16.89	0.04887	20.84	0.121339
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.82	0.04808	20.77	0.119399
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	16.93	0.04932	20.88	0.122462
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	16.69	0.04667	20.64	0.115878

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	-0.13	17.71	17.30	20.52	20.39	21.00
6195MHz	Pass	-0.13	18.03	18.02	21.04	20.91	21.00
6415MHz	Pass	-0.13	17.14	17.31	20.24	20.11	21.00
6535MHz	Pass	3.95	13.81	13.90	16.87	20.82	21.00
6695MHz	Pass	3.95	13.18	13.53	16.37	20.32	21.00
6855MHz Straddle 6.525-6.875GHz	Pass	3.95	13.93	13.82	16.89	20.84	21.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5965MHz	Pass	-0.13	17.65	17.89	20.78	20.65	21.00
6205MHz	Pass	-0.13	17.52	17.78	20.66	20.53	21.00
6405MHz	Pass	-0.13	17.80	17.78	20.80	20.67	21.00
6565MHz	Pass	3.95	13.83	13.47	16.66	20.61	21.00
6685MHz	Pass	3.95	13.54	14.06	16.82	20.77	21.00
6845MHz Straddle 6.525-6.875GHz	Pass	3.95	13.12	13.55	16.35	20.30	21.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5985MHz	Pass	-0.13	17.52	17.00	20.28	20.15	21.00
6225MHz	Pass	-0.13	17.52	17.61	20.58	20.45	21.00
6385MHz	Pass	-0.13	17.76	17.97	20.88	20.75	21.00
6625MHz	Pass	3.95	14.27	13.54	16.93	20.88	21.00
6705MHz	Pass	3.95	13.96	13.52	16.76	20.71	21.00
6785MHz	Pass	3.95	13.07	13.84	16.48	20.43	21.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-		-
6025MHz	Pass	-0.13	17.85	17.95	20.91	20.78	21.00
6185MHz	Pass	-0.13	17.85	17.41	20.65	20.52	21.00
6345MHz	Pass	-0.13	17.92	17.87	20.91	20.78	21.00
6665MHz	Pass	3.95	13.84	13.51	16.69	20.64	21.00

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

Summary

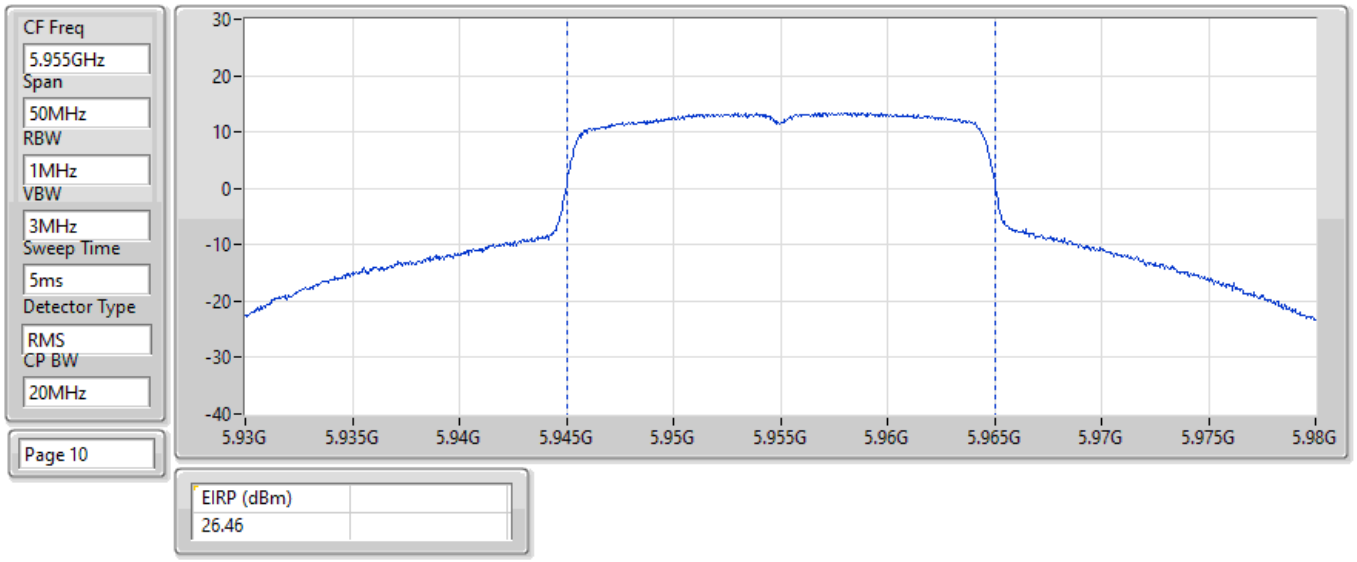
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	26.46	0.44259
802.11ax HEW40_Nss1,(MCS0)_1TX	26.84	0.48306
802.11ax HEW80_Nss1,(MCS0)_1TX	26.44	0.44055
802.11ax HEW160_Nss1,(MCS0)_1TX	26.21	0.41783
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	21.64	0.14588
802.11ax HEW40_Nss1,(MCS0)_1TX	22.80	0.19055
802.11ax HEW80_Nss1,(MCS0)_1TX	24.26	0.26669
802.11ax HEW160_Nss1,(MCS0)_1TX	21.03	0.12677

Result

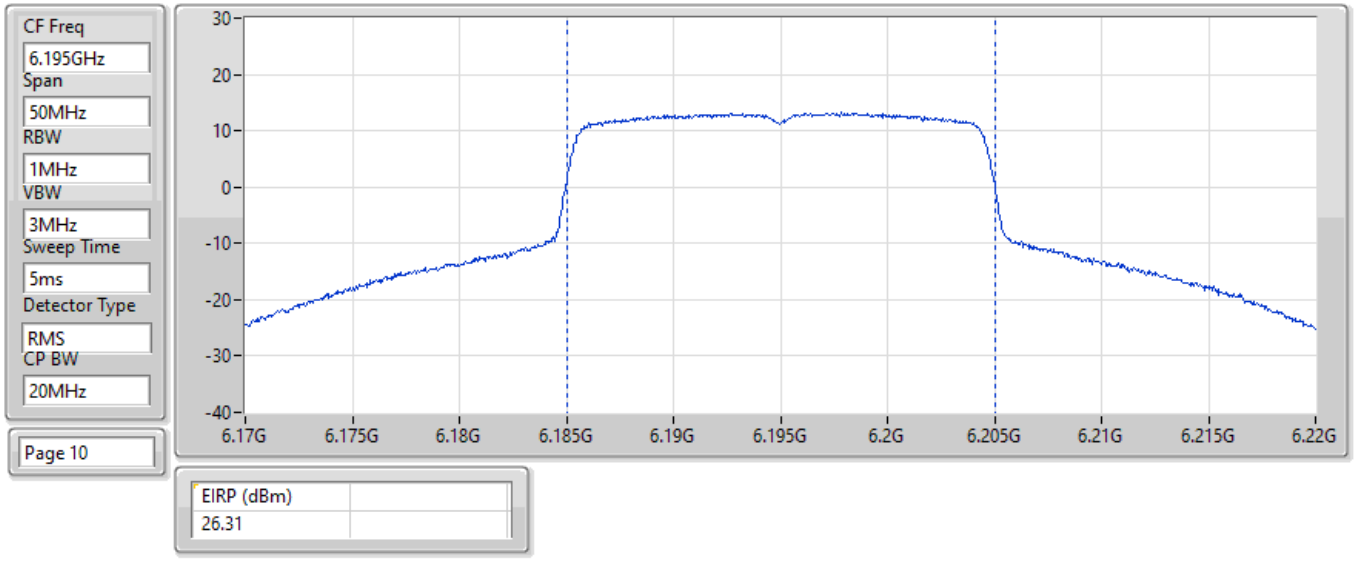
Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	26.46	36.00
6195MHz	Pass	26.31	36.00
6415MHz	Pass	26.01	36.00
6535MHz	Pass	21.35	36.00
6695MHz	Pass	21.64	36.00
6855MHz	Pass	19.70	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	24.21	36.00
6205MHz	Pass	26.84	36.00
6405MHz	Pass	25.25	36.00
6565MHz	Pass	21.14	36.00
6685MHz	Pass	22.80	36.00
6845MHz	Pass	20.95	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	23.74	36.00
6225MHz	Pass	26.44	36.00
6385MHz	Pass	25.33	36.00
6625MHz	Pass	21.02	36.00
6705MHz	Pass	22.57	36.00
6785MHz	Pass	24.26	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	24.11	36.00
6185MHz	Pass	26.21	36.00
6345MHz	Pass	24.78	36.00
6665MHz	Pass	21.03	36.00

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

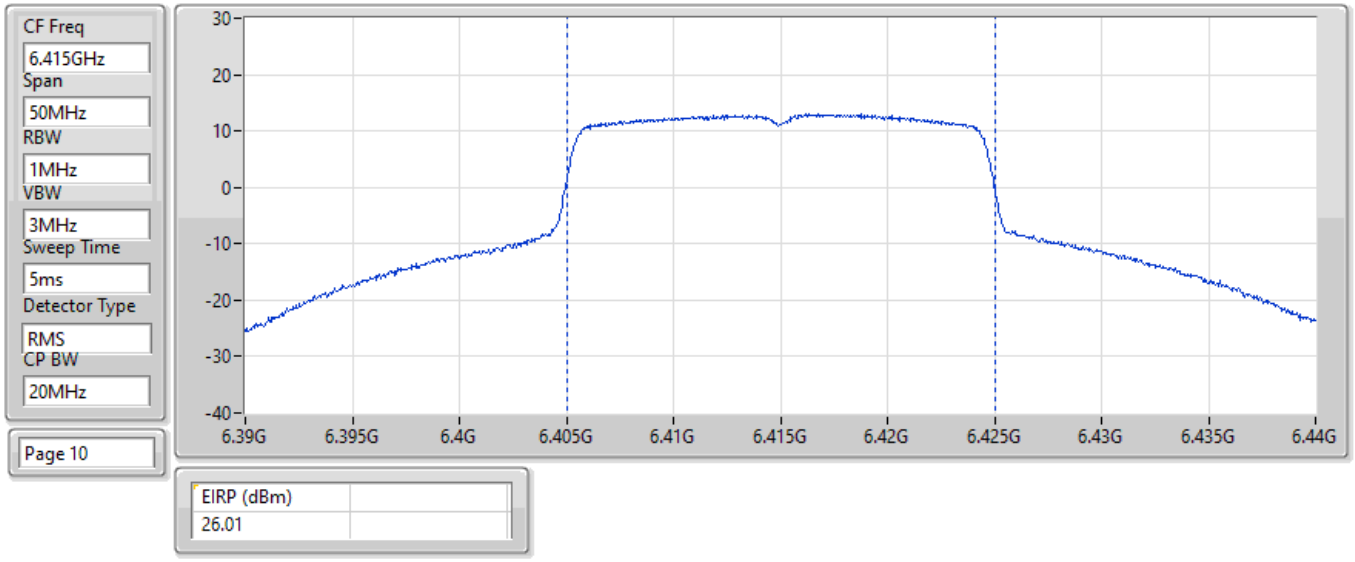
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:5955MHz;TX



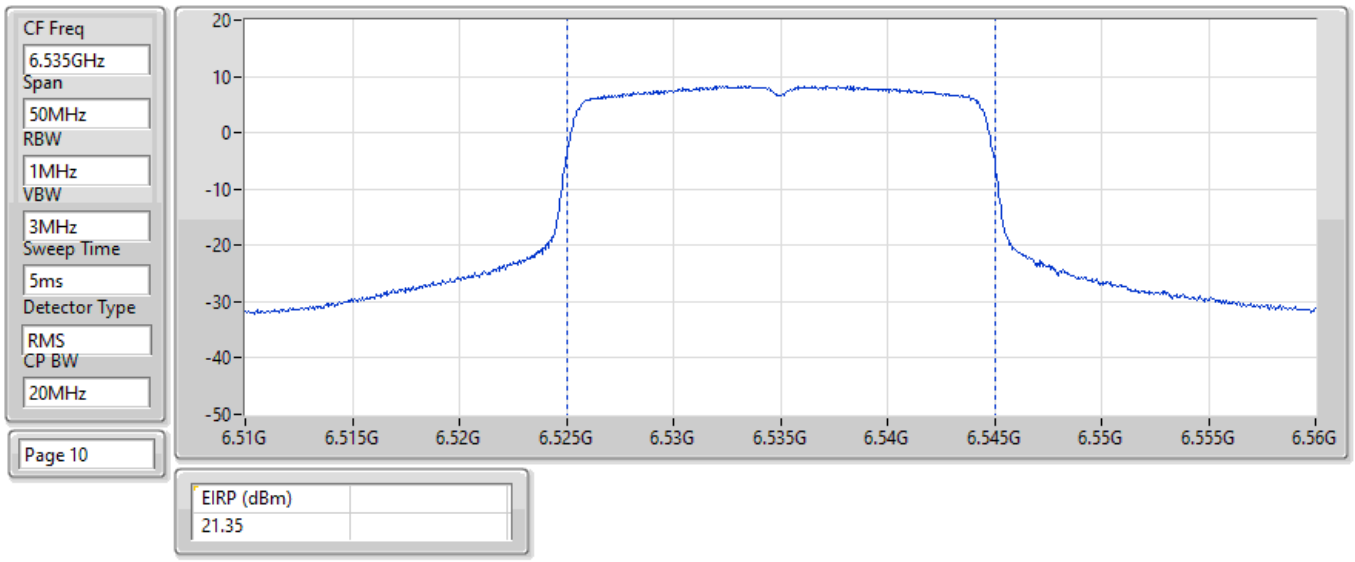
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6195MHz;TX



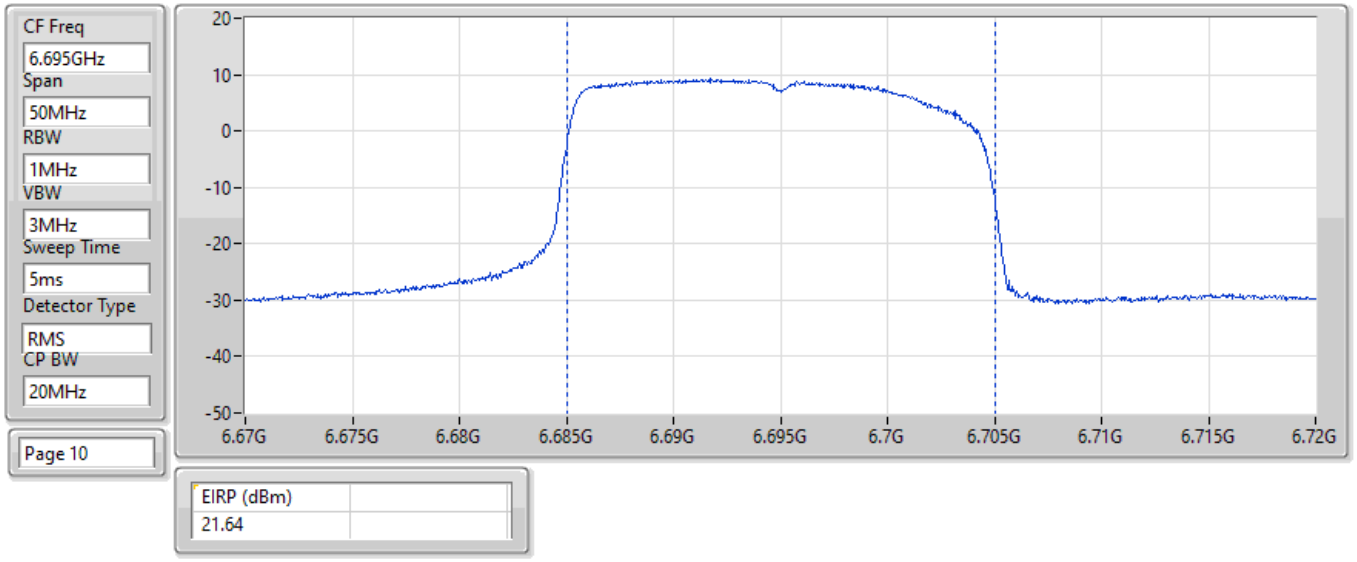
EIRP;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6415MHz;TX



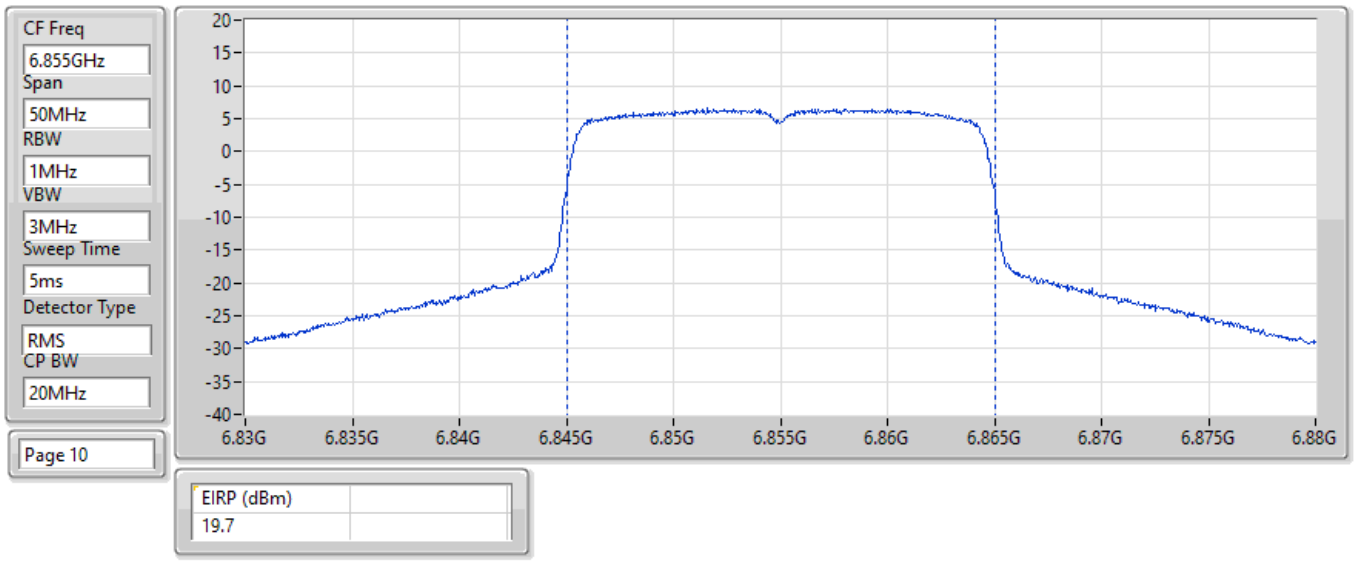
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6535MHz;TX



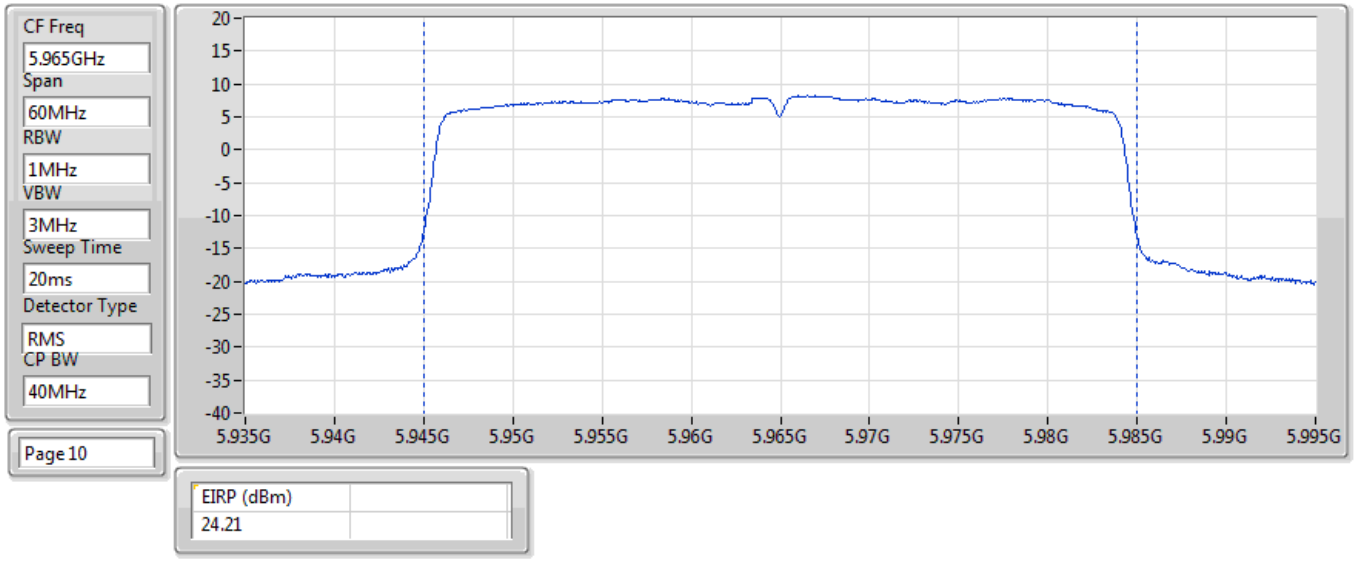
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6695MHz;TX



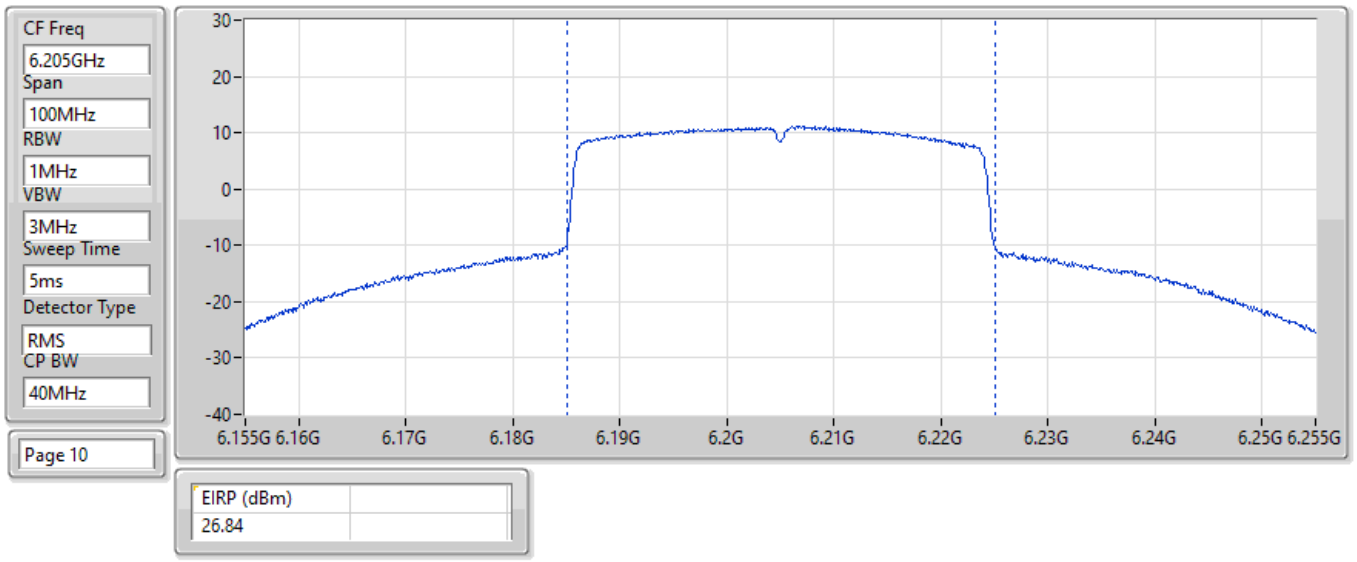
EIRP;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1;Ch:6855MHz;TX



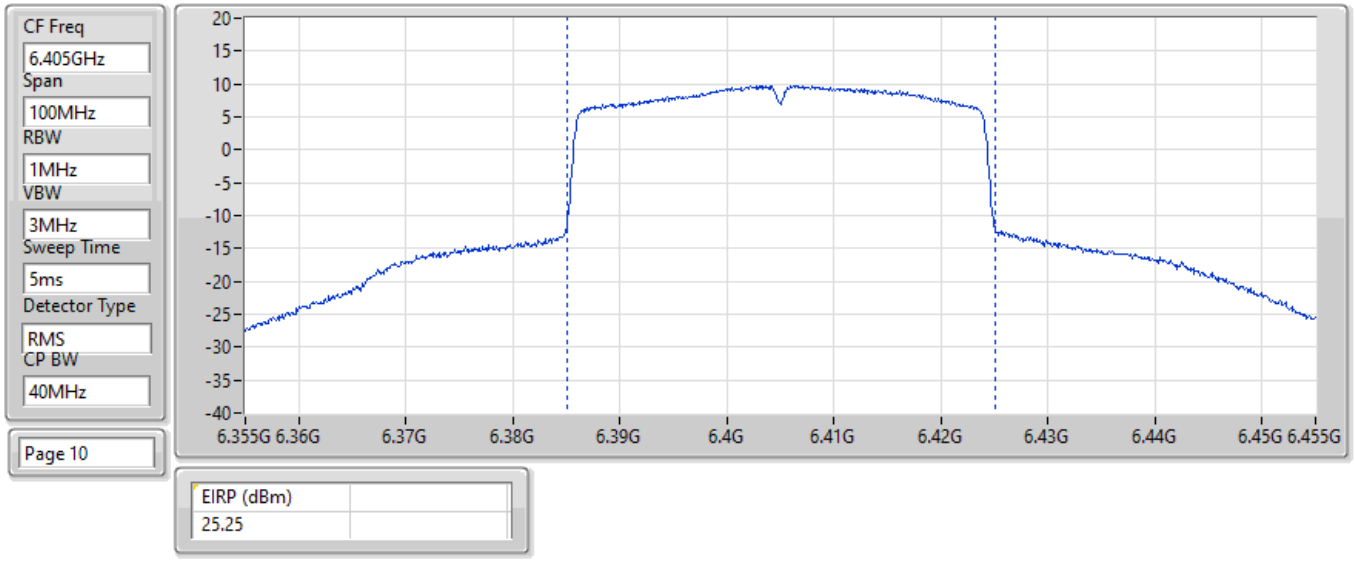
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:5965MHz;TX



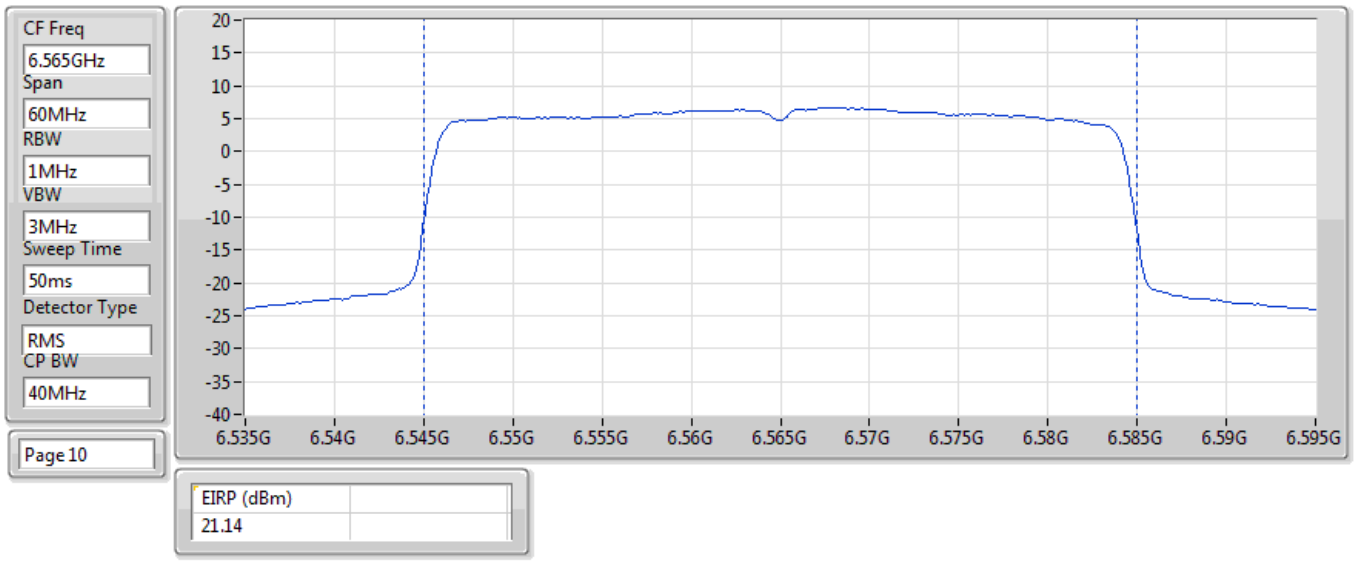
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6205MHz;TX



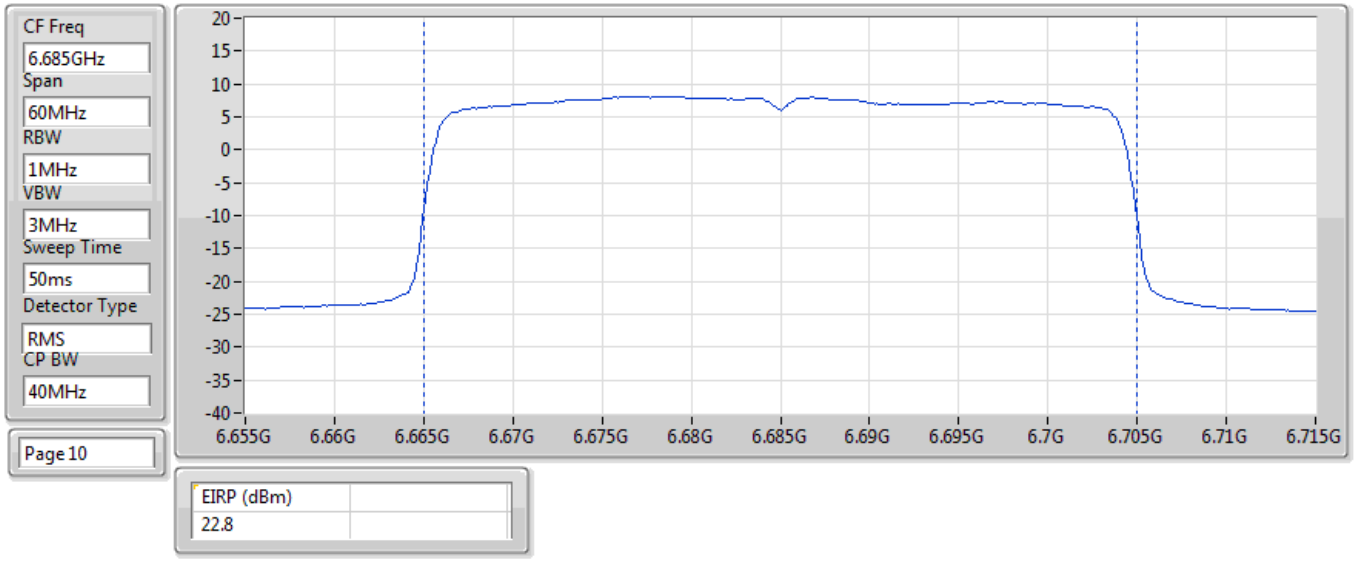
EIRP;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6405MHz;TX



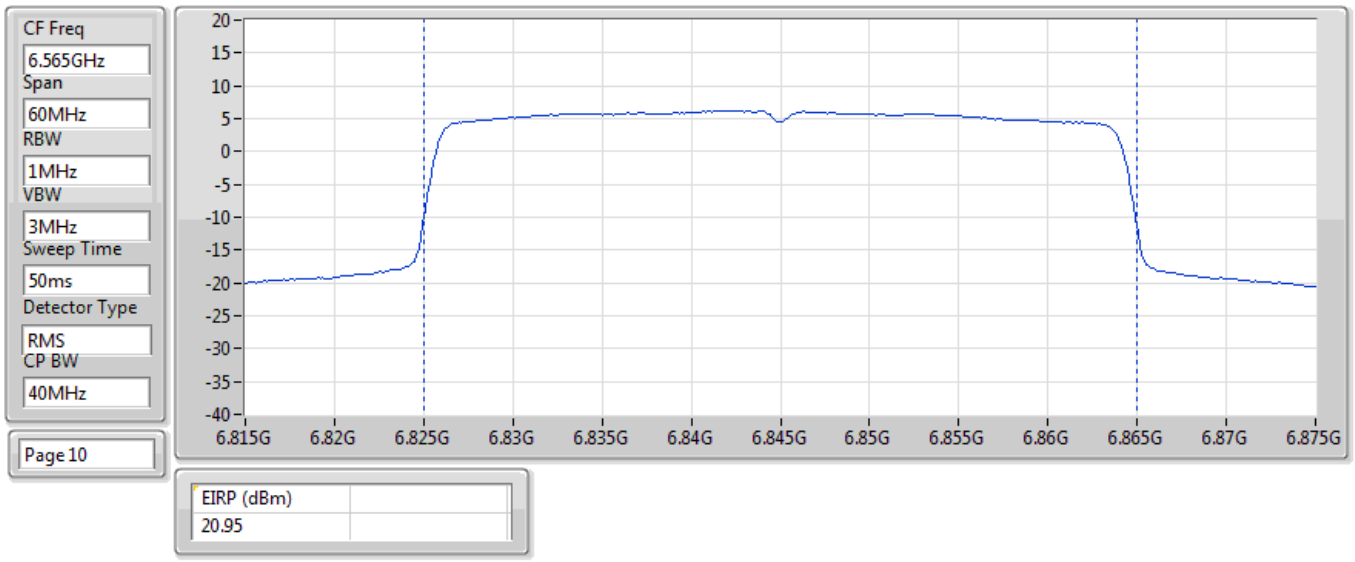
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6565MHz;TX



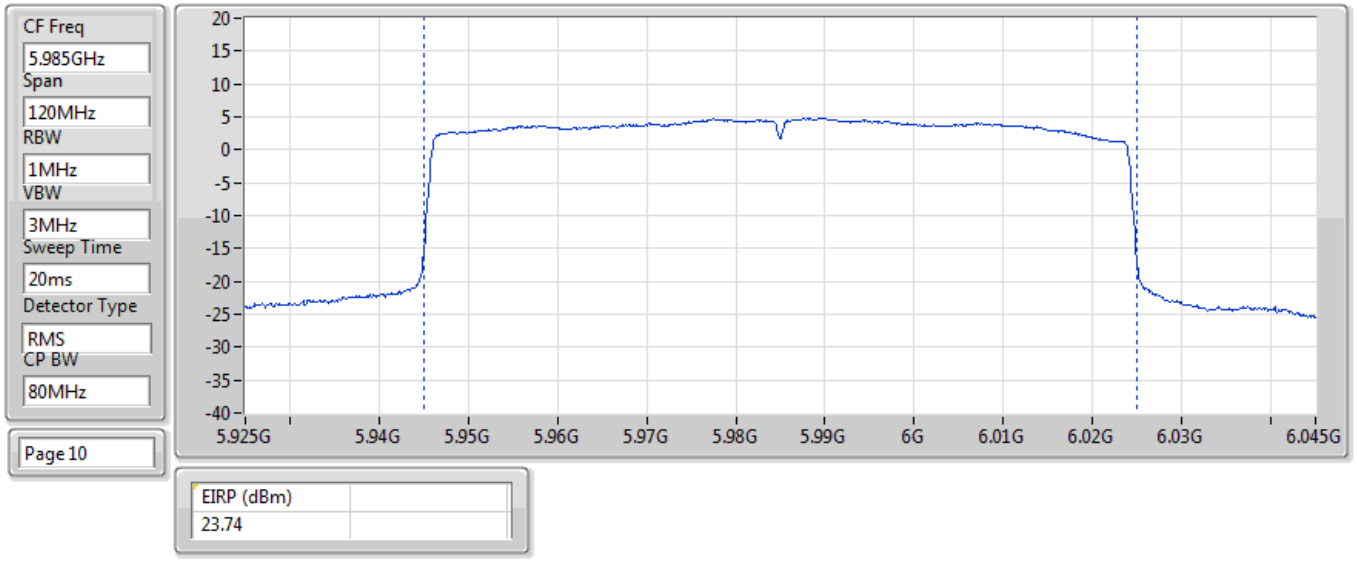
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6685MHz;TX



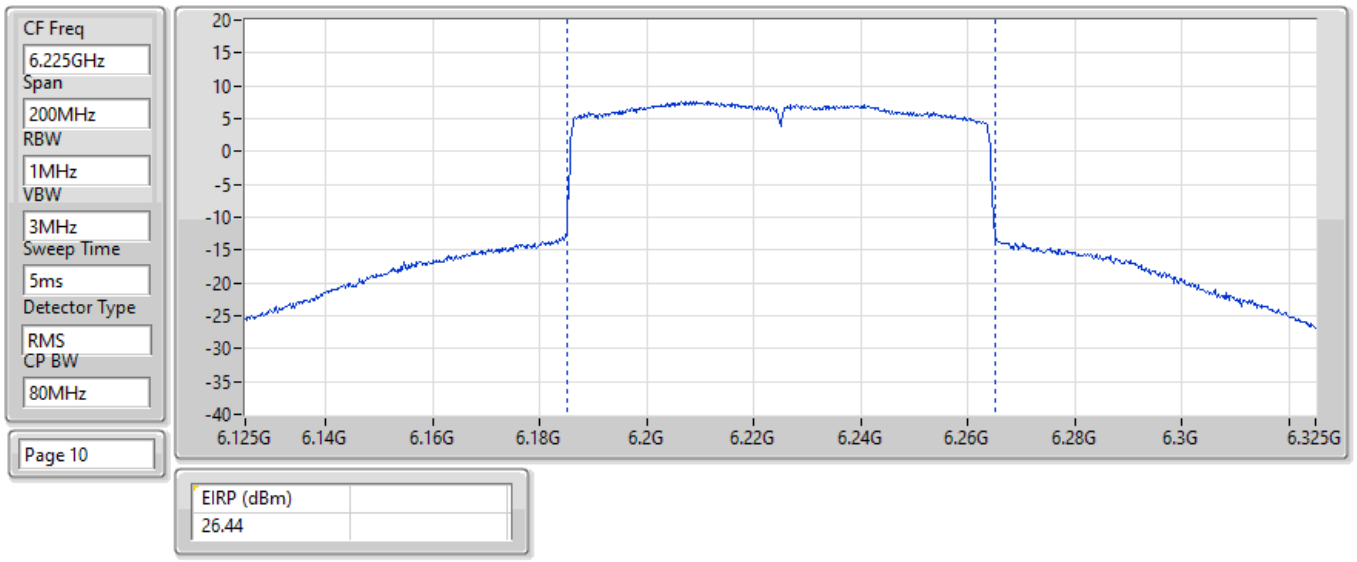
EIRP;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1;Ch:6845MHz;TX



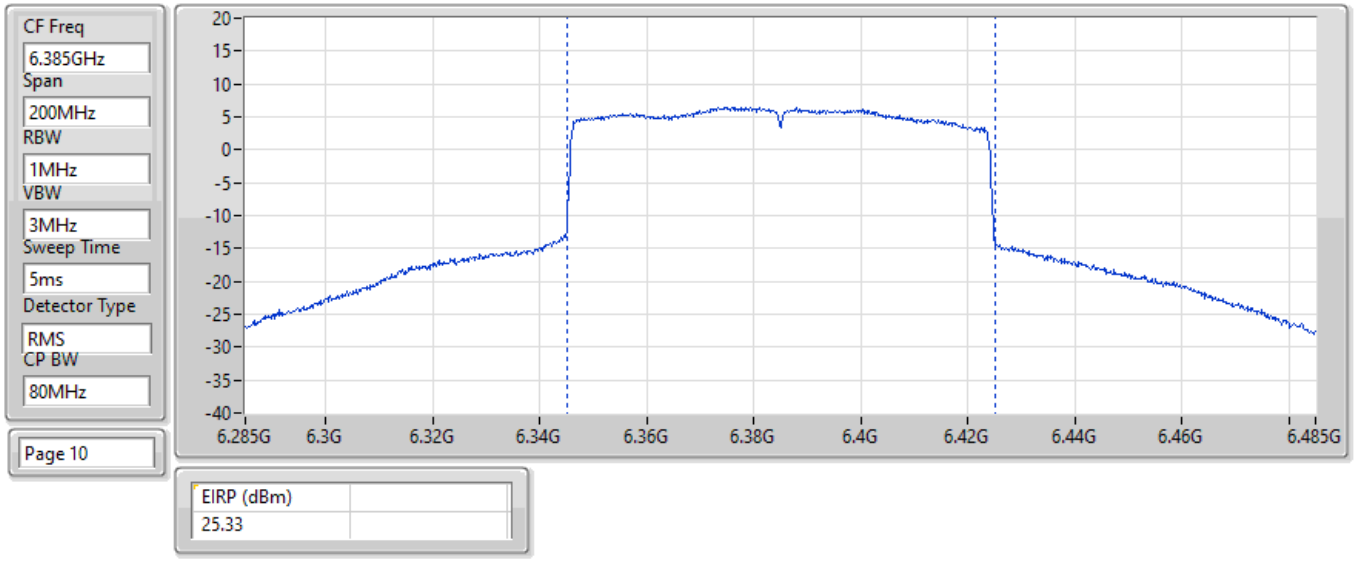
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:5985MHz;TX



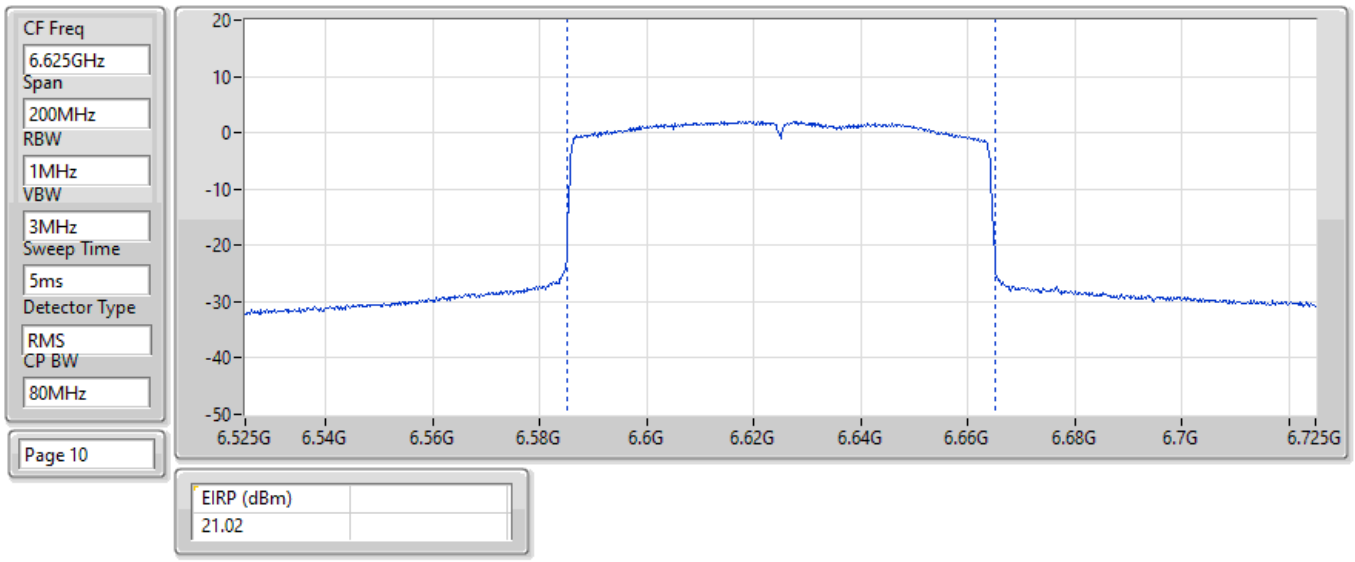
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6225MHz;TX



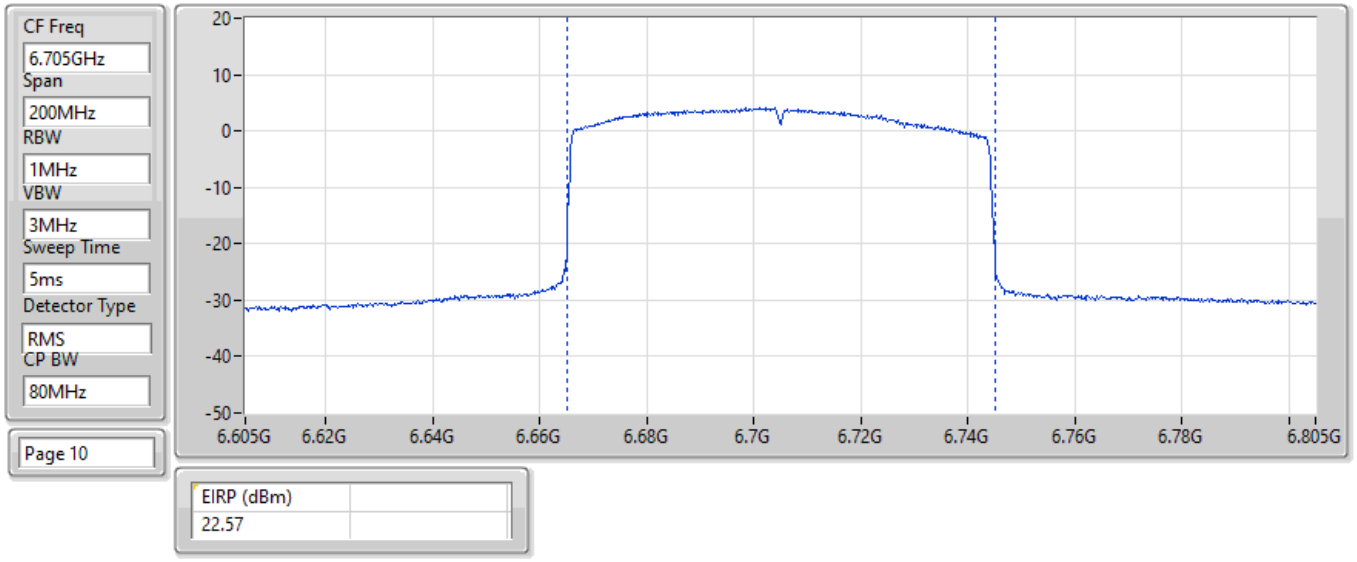
EIRP;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6385MHz;TX



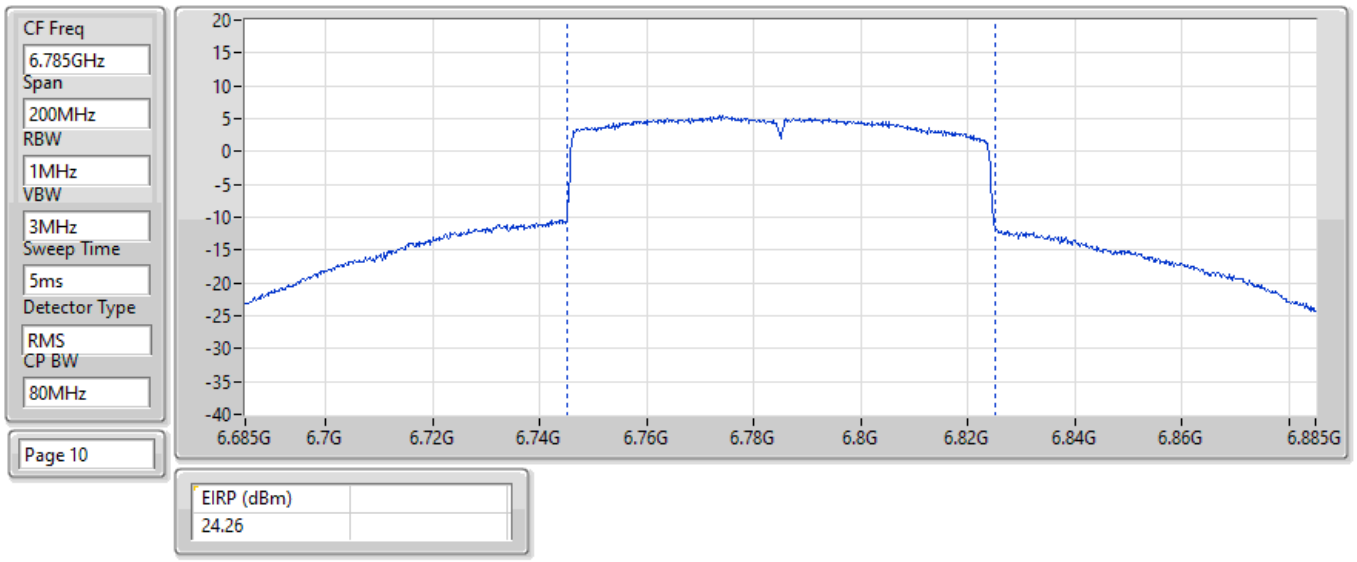
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6625MHz;TX



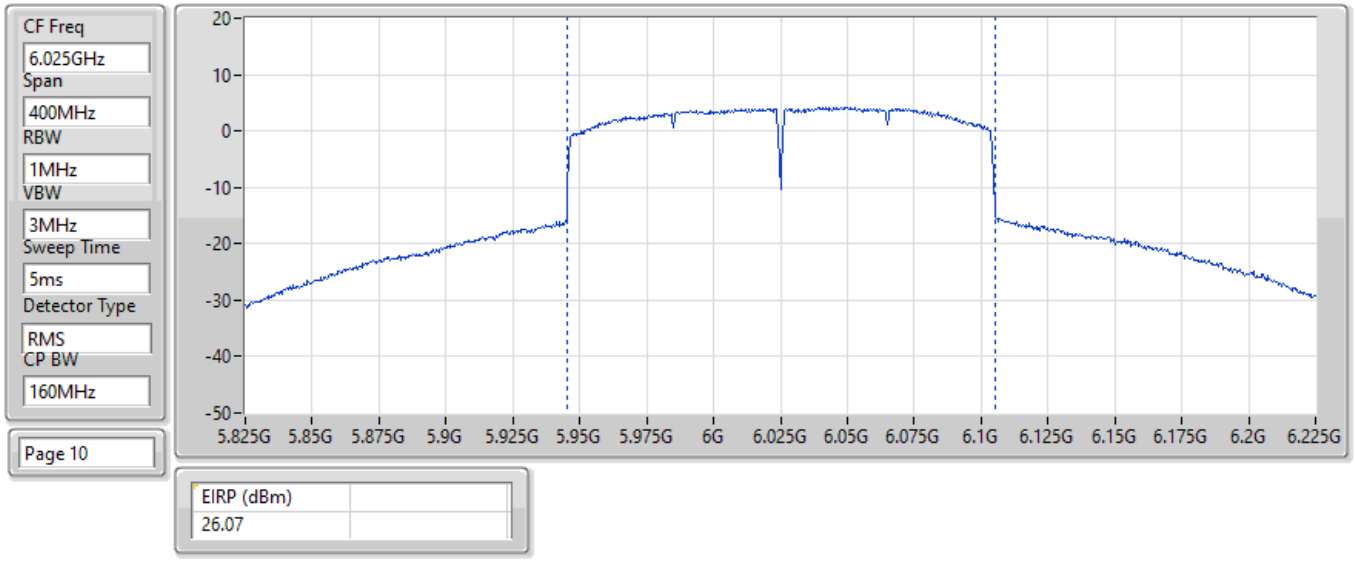
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6705MHz;TX



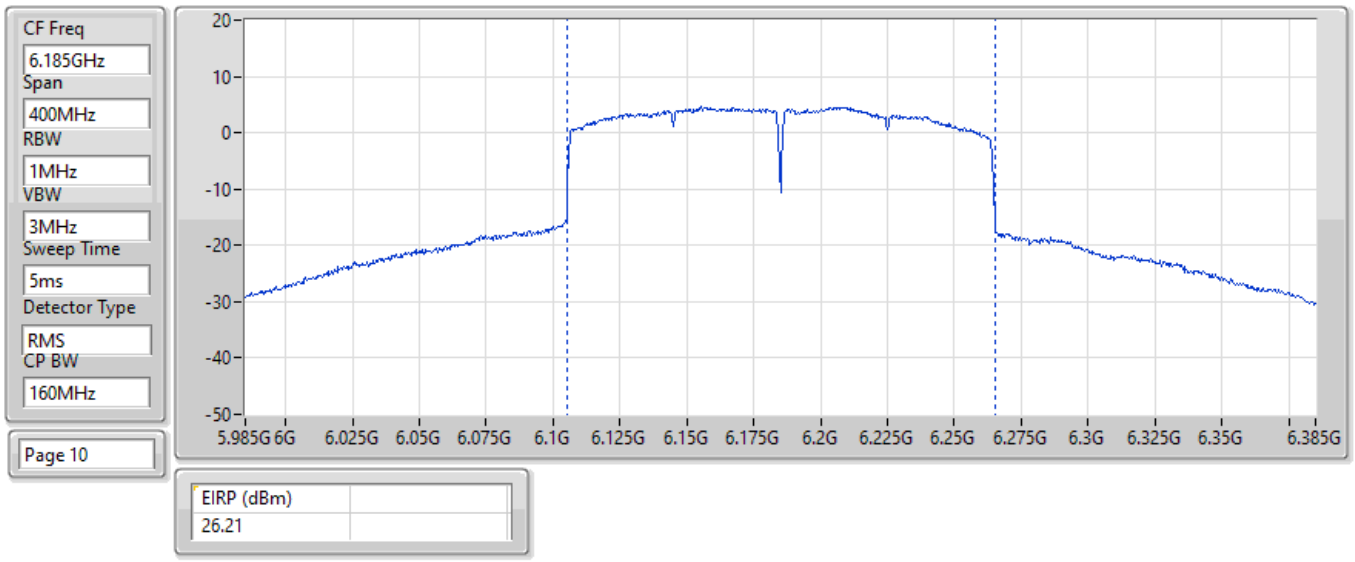
EIRP;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1;Ch:6785MHz;TX



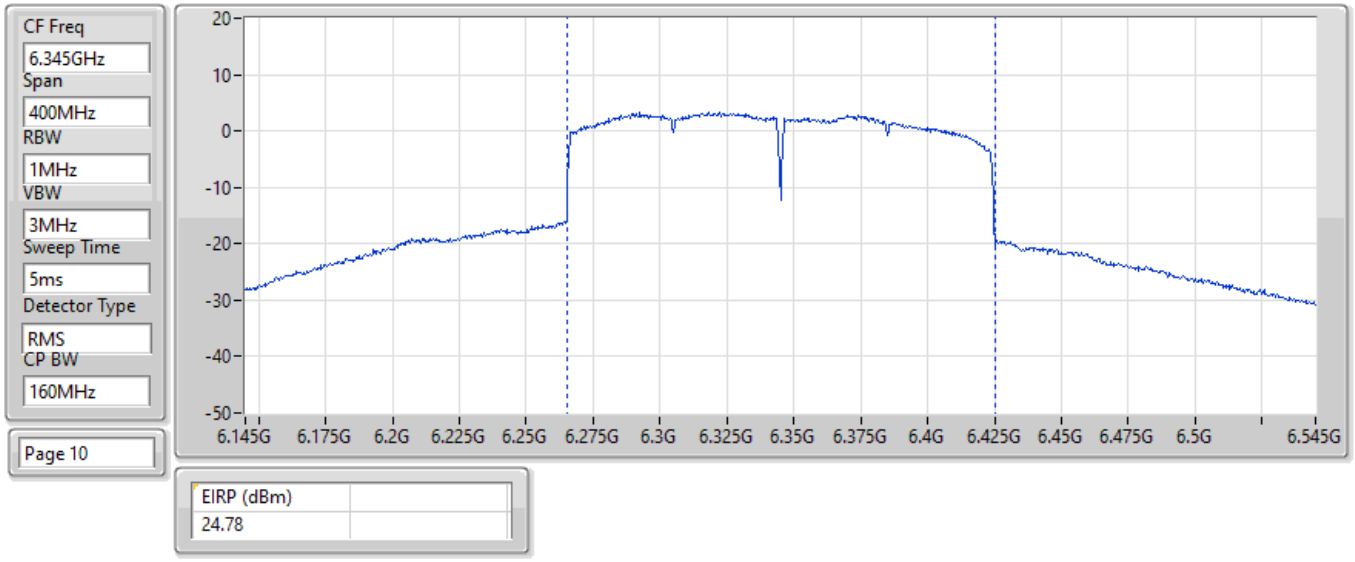
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6025MHz;TX



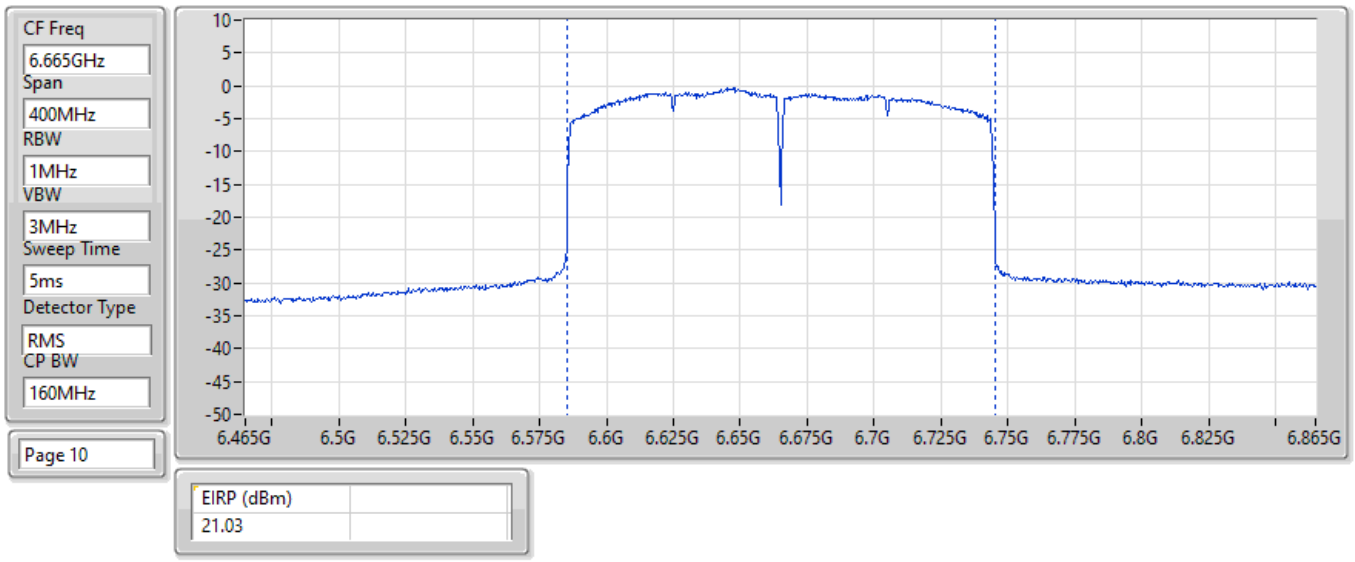
EIRP;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1;Ch:6185MHz;TX



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



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



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	23.21	0.20941	20.80	0.120226
802.11ax HEW40_Nss1,(MCS0)_1TX	23.27	0.21232	20.86	0.121899
802.11ax HEW80_Nss1,(MCS0)_1TX	23.39	0.21827	20.98	0.125314
802.11ax HEW160_Nss1,(MCS0)_1TX	23.13	0.20559	20.72	0.118032
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	19.45	0.08810	20.84	0.121339
802.11ax HEW40_Nss1,(MCS0)_1TX	19.44	0.08790	20.83	0.121060
802.11ax HEW80_Nss1,(MCS0)_1TX	19.35	0.08610	20.74	0.118577
802.11ax HEW160_Nss1,(MCS0)_1TX	19.53	0.08974	20.92	0.123595

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP Limit [Phi 30°] (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5955MHz	Pass	-2.41	23.00	23.00	20.59	21.00
6195MHz	Pass	-2.41	23.21	23.21	20.80	21.00
6415MHz	Pass	-2.41	23.14	23.14	20.73	21.00
6535MHz	Pass	1.39	19.30	19.30	20.69	21.00
6695MHz	Pass	1.39	19.34	19.34	20.73	21.00
6855MHz	Pass	1.39	19.45	19.45	20.84	21.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-		-
5965MHz	Pass	-2.41	21.75	21.75	19.34	21.00
6205MHz	Pass	-2.41	23.27	23.27	20.86	21.00
6405MHz	Pass	-2.41	22.99	22.99	20.58	21.00
6565MHz	Pass	1.39	19.28	19.28	20.67	21.00
6685MHz	Pass	1.39	19.44	19.44	20.83	21.00
6845MHz	Pass	1.39	19.29	19.29	20.68	21.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-		-
5985MHz	Pass	-2.41	23.39	23.39	20.98	21.00
6225MHz	Pass	-2.41	23.14	23.14	20.73	21.00
6385MHz	Pass	-2.41	23.19	23.19	20.78	21.00
6625MHz	Pass	1.39	19.15	19.15	20.54	21.00
6705MHz	Pass	1.39	19.27	19.27	20.66	21.00
6785MHz	Pass	1.39	19.35	19.35	20.74	21.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-		-
6025MHz	Pass	-2.41	21.57	21.57	19.16	21.00
6185MHz	Pass	-2.41	23.13	23.13	20.72	21.00
6345MHz	Pass	-2.41	23.01	23.01	20.60	21.00
6665MHz	Pass	1.39	19.53	19.53	20.92	21.00

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

Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.30
802.11ax HEW40_Nss1,(MCS0)_1TX	16.07
802.11ax HEW80_Nss1,(MCS0)_1TX	12.23
802.11ax HEW160_Nss1,(MCS0)_1TX	10.97
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	13.58
802.11ax HEW40_Nss1,(MCS0)_1TX	11.63
802.11ax HEW80_Nss1,(MCS0)_1TX	8.22
802.11ax HEW160_Nss1,(MCS0)_1TX	5.51

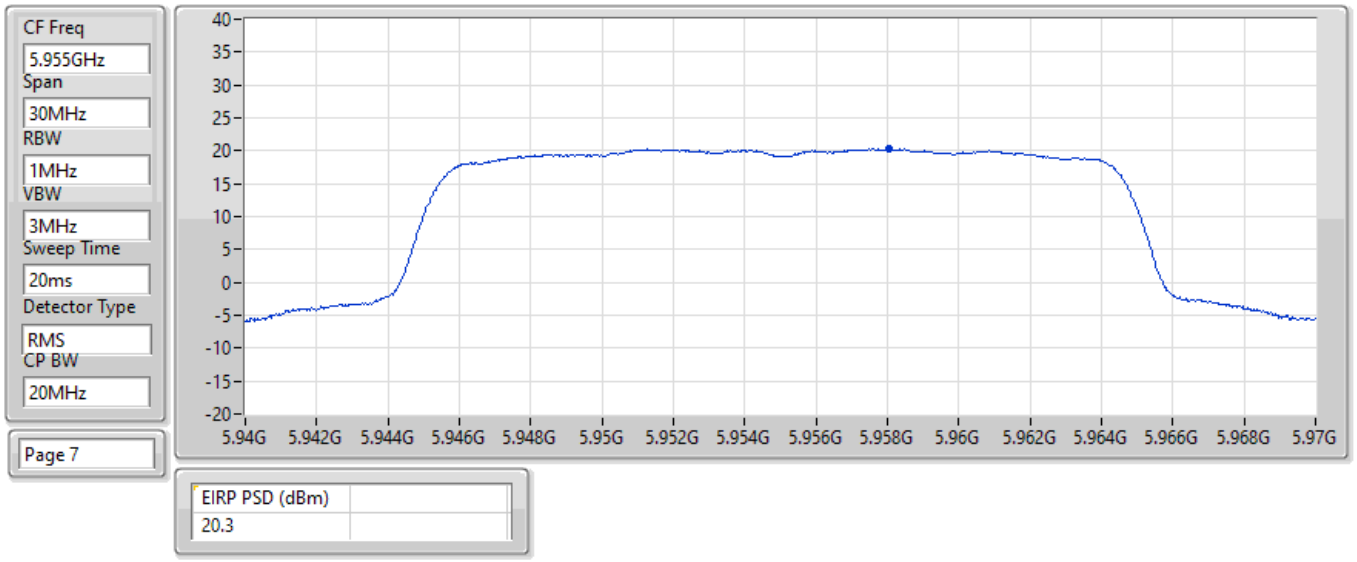
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

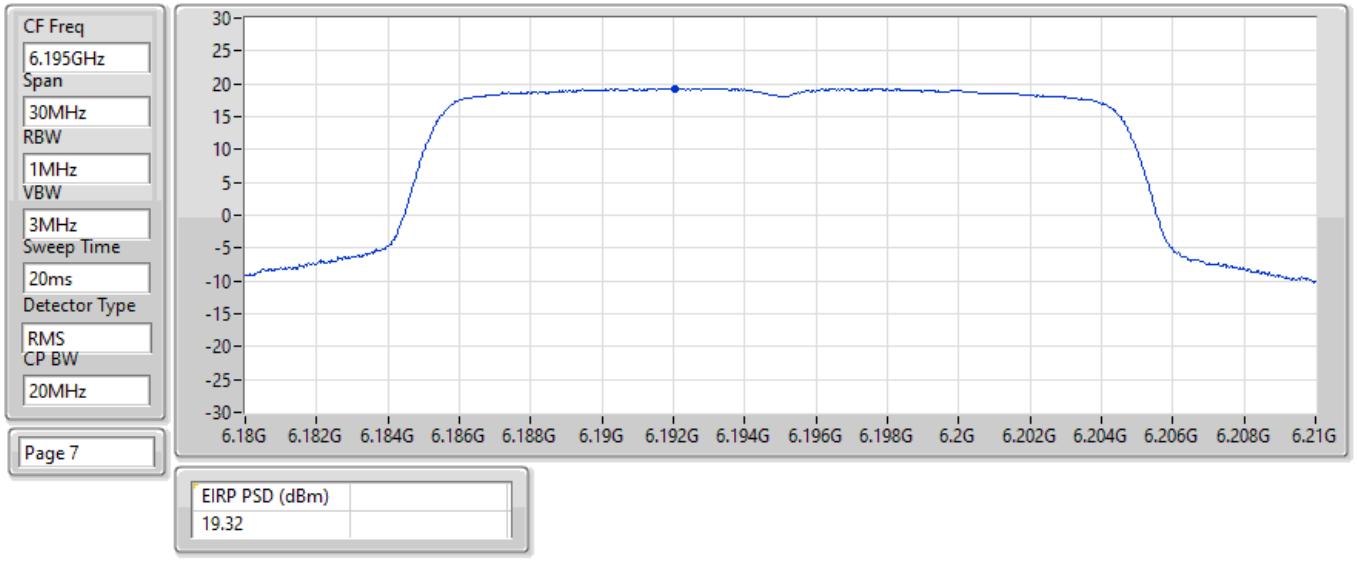
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	20.30	23.00
6195MHz	Pass	19.32	23.00
6415MHz	Pass	19.61	23.00
6535MHz	Pass	13.52	23.00
6695MHz	Pass	13.58	23.00
6855MHz	Pass	12.78	23.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	13.32	23.00
6205MHz	Pass	15.75	23.00
6405MHz	Pass	16.07	23.00
6565MHz	Pass	11.63	23.00
6685MHz	Pass	11.18	23.00
6845MHz	Pass	10.42	23.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	11.37	23.00
6225MHz	Pass	12.17	23.00
6385MHz	Pass	12.23	23.00
6625MHz	Pass	7.70	23.00
6705MHz	Pass	8.21	23.00
6785MHz	Pass	8.22	23.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	8.70	23.00
6185MHz	Pass	10.97	23.00
6345MHz	Pass	9.99	23.00
6665MHz	Pass	5.51	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;

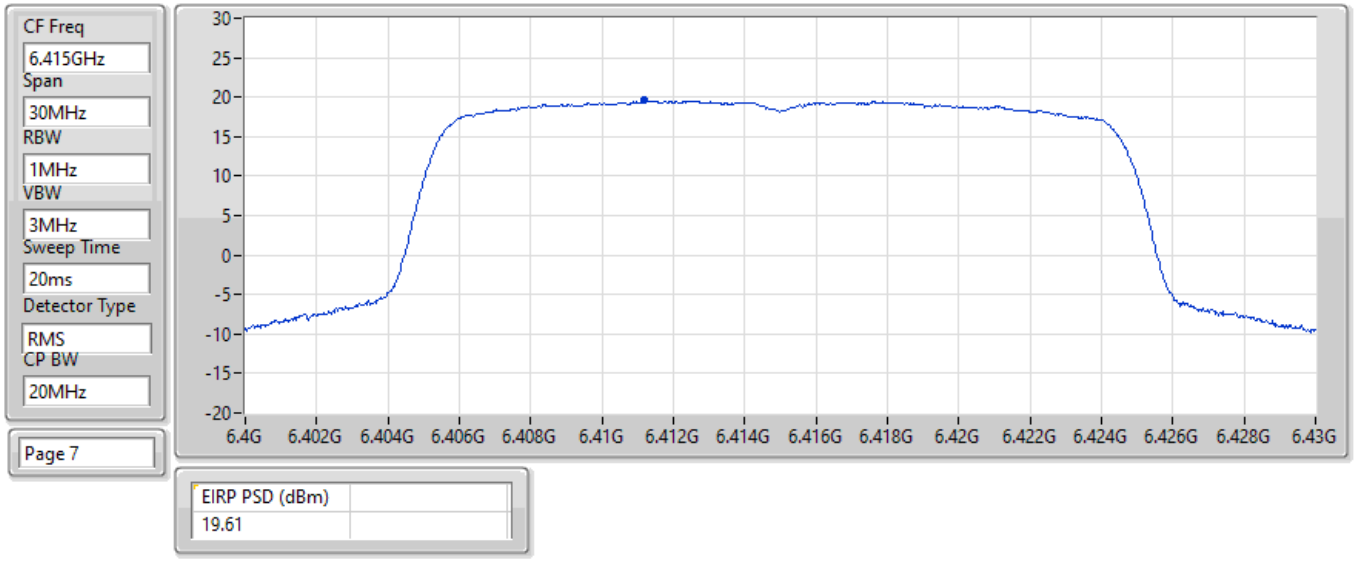
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:5955MHz;TX



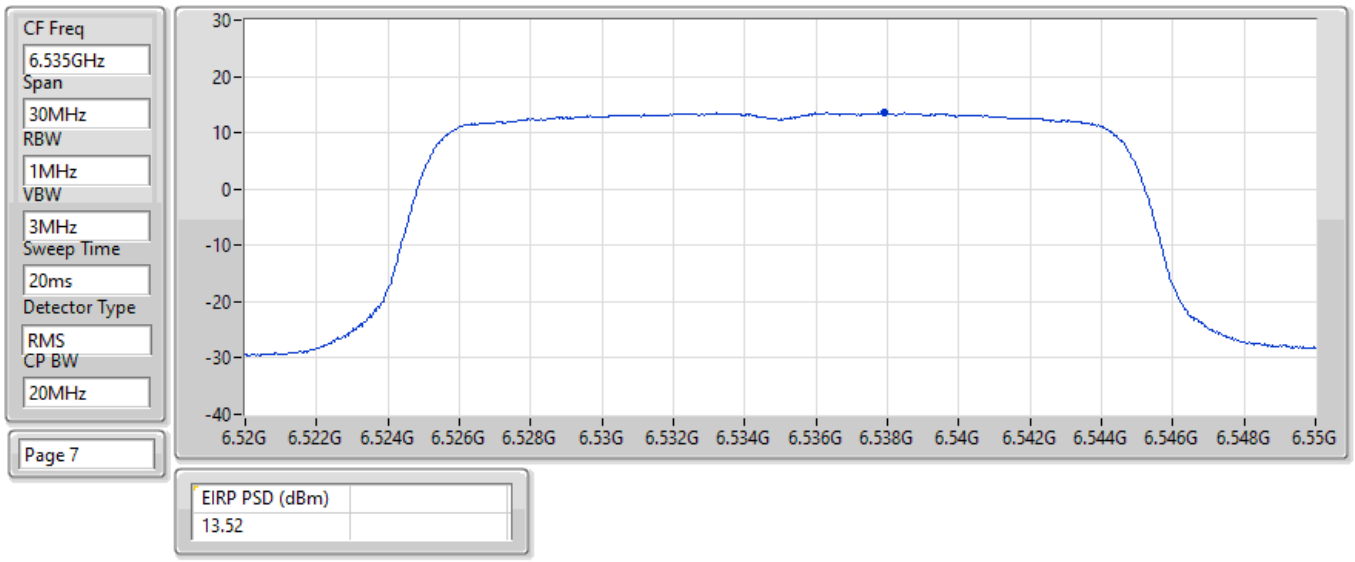
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6195MHz;TX



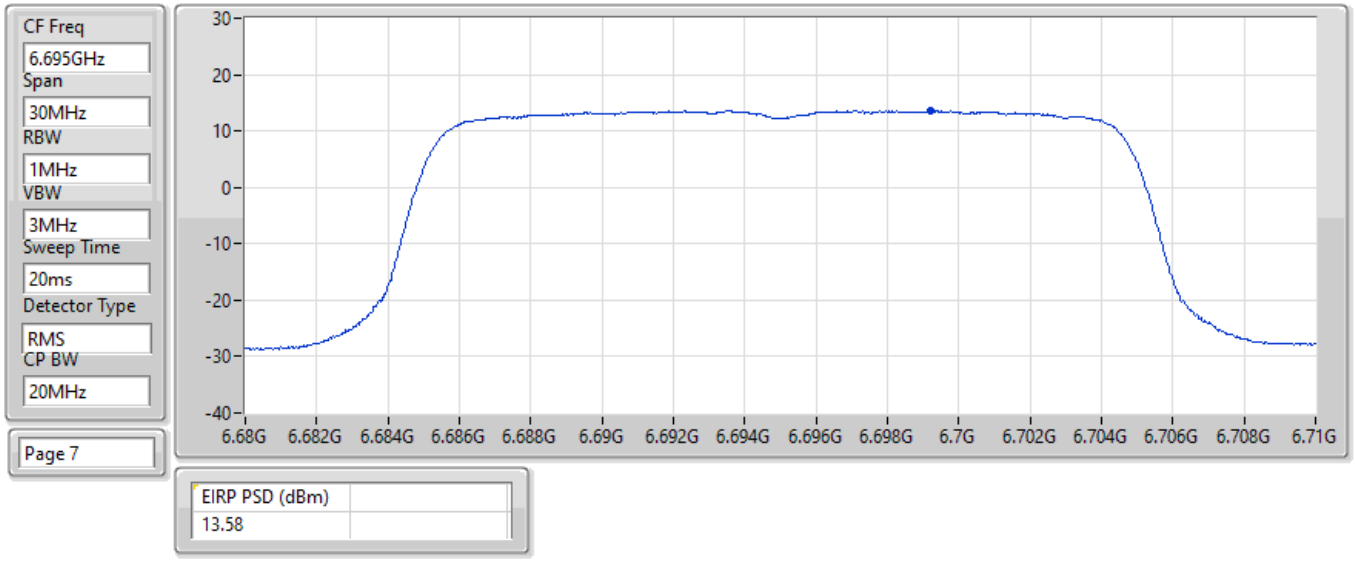
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6415MHz;TX



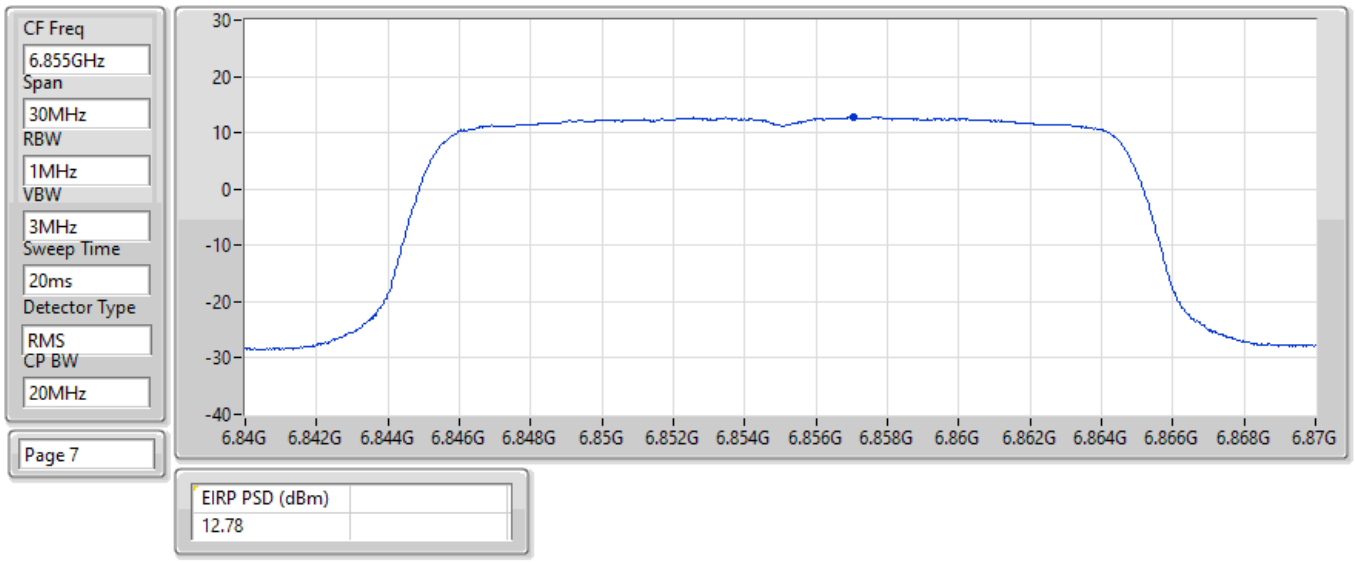
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6535MHz;TX



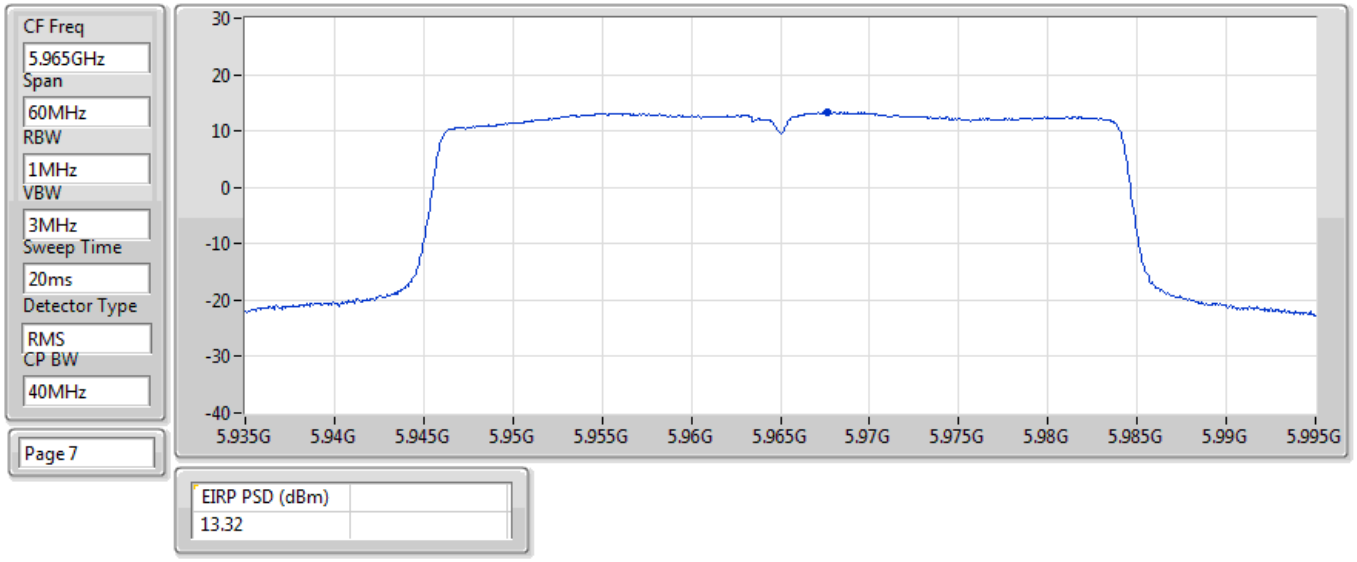
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6695MHz;TX



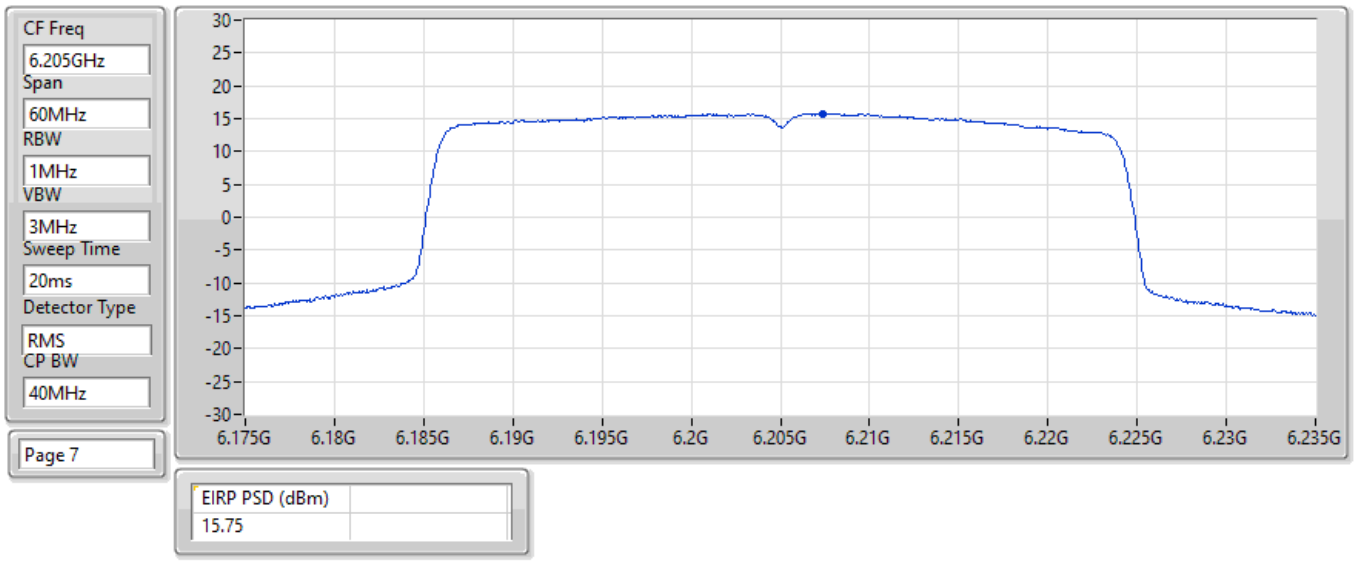
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(1);Ch:6855MHz;TX



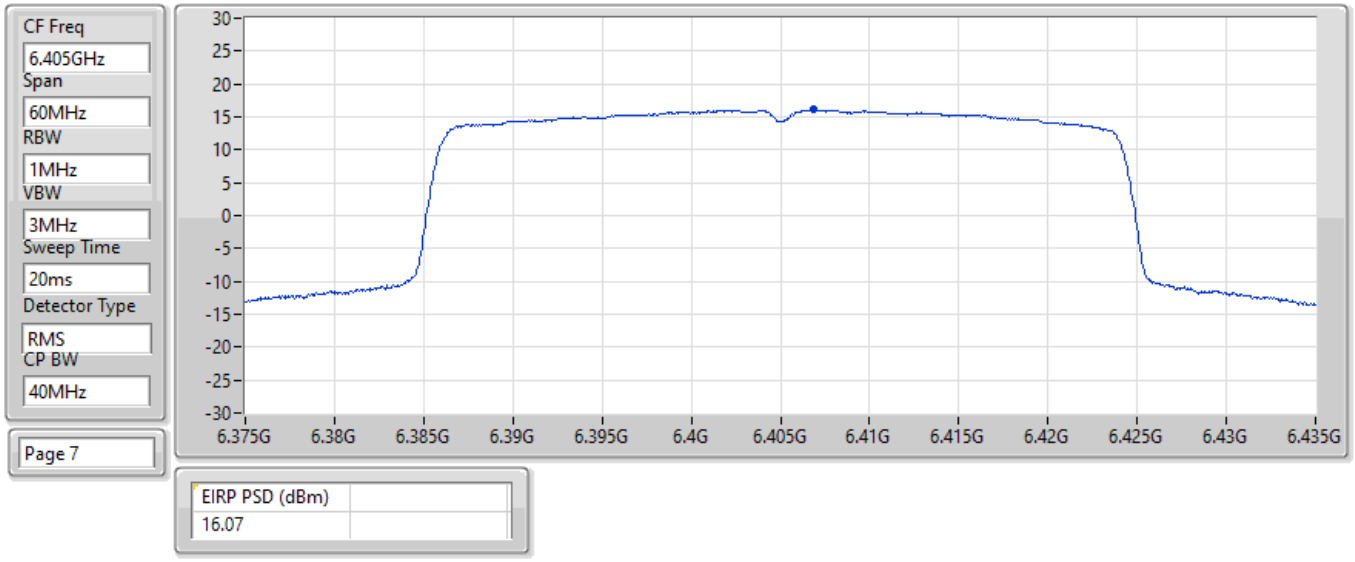
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:5965MHz;TX



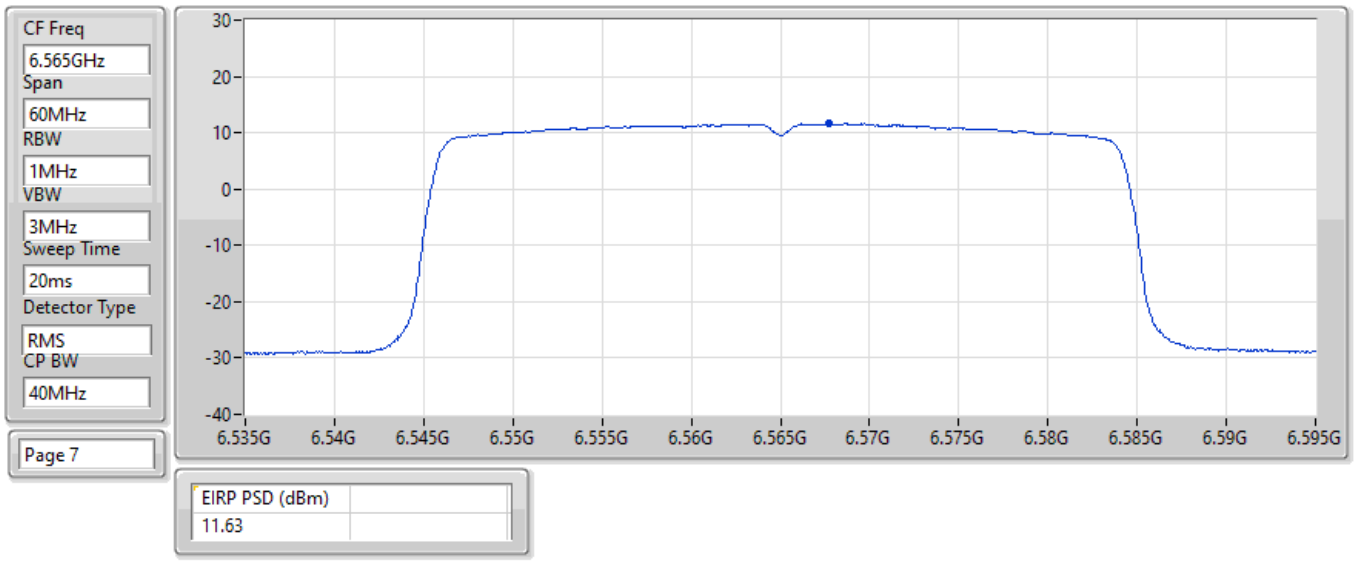
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6205MHz;TX



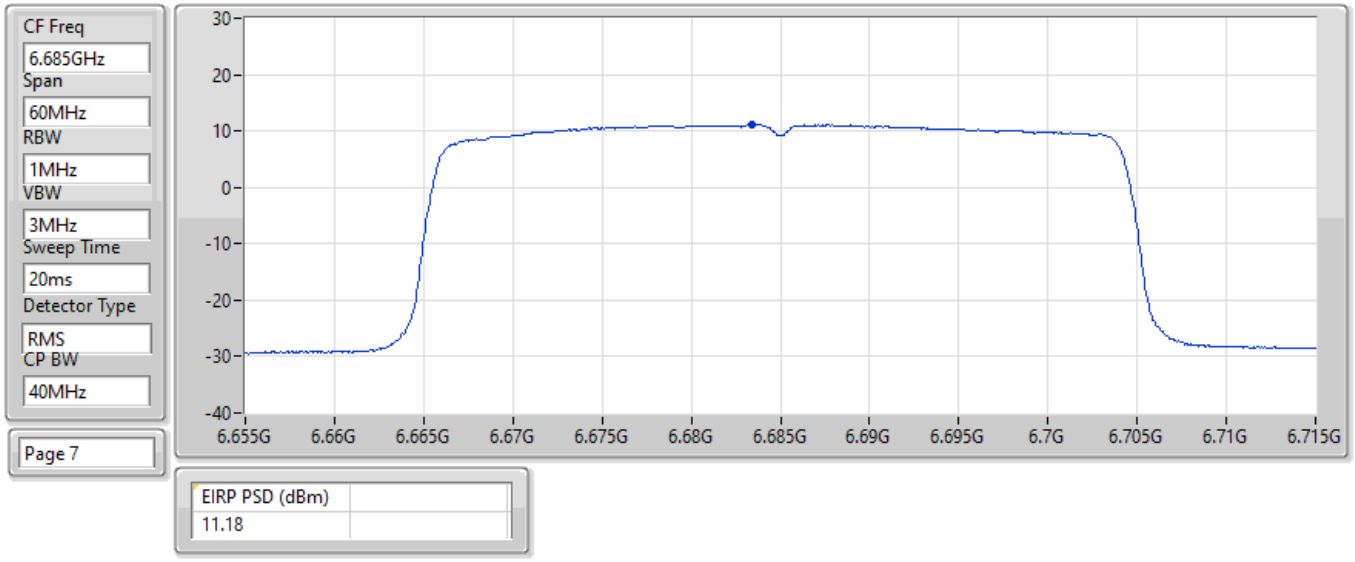
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6405MHz;TX



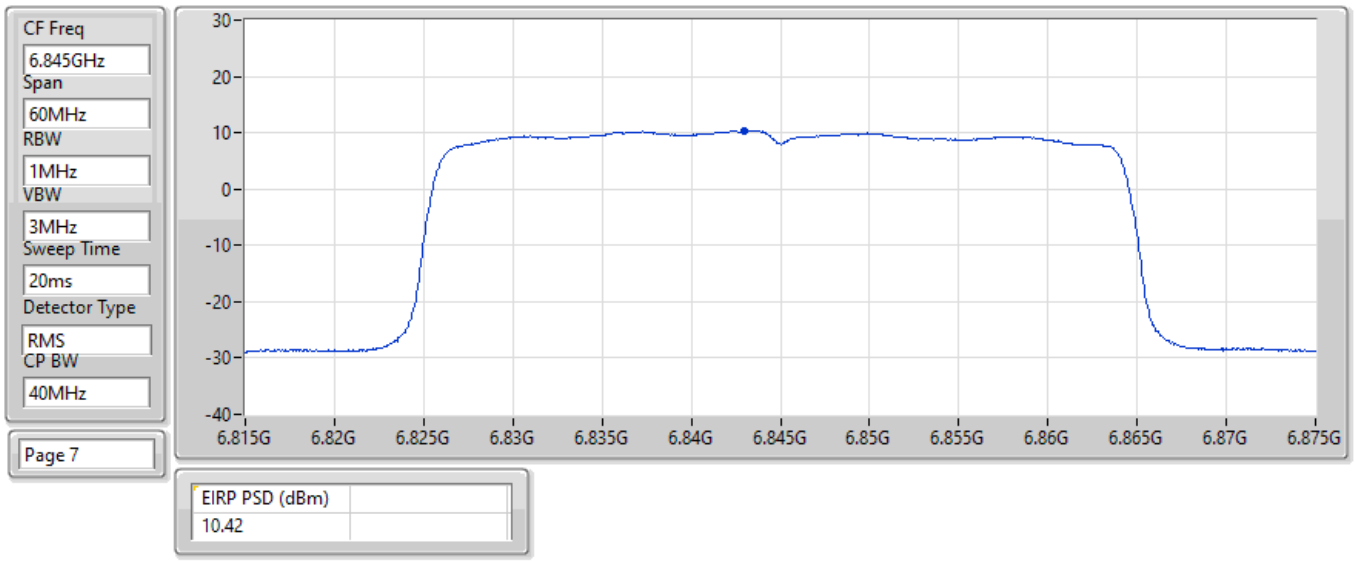
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6565MHz;TX



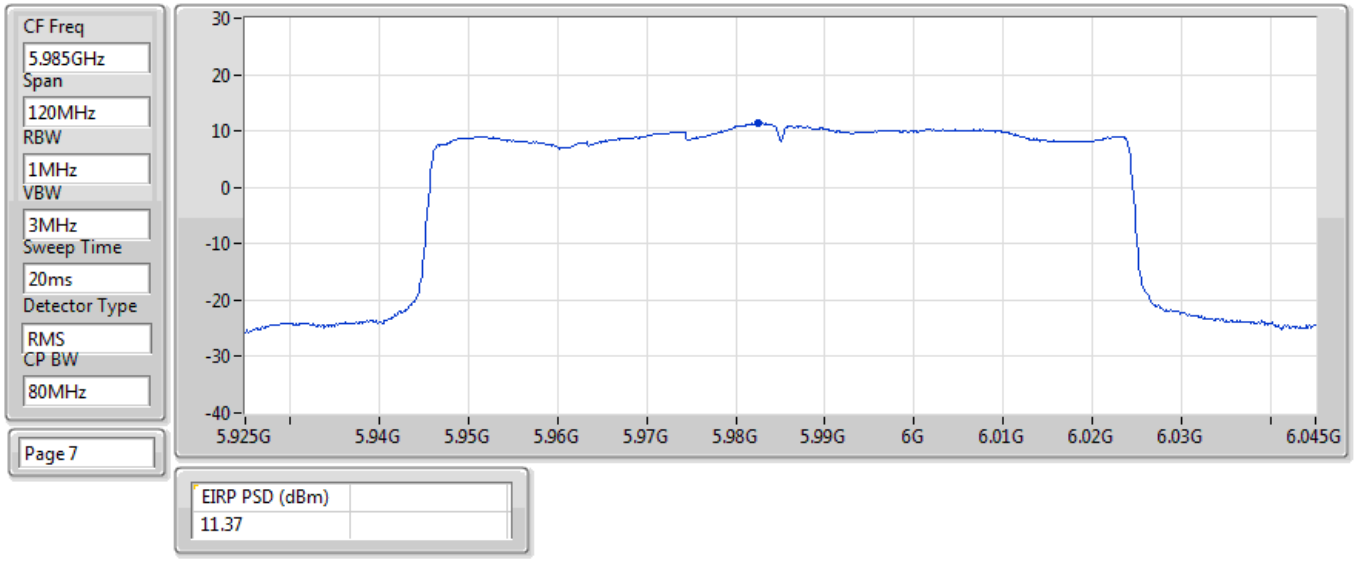
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6685MHz;TX



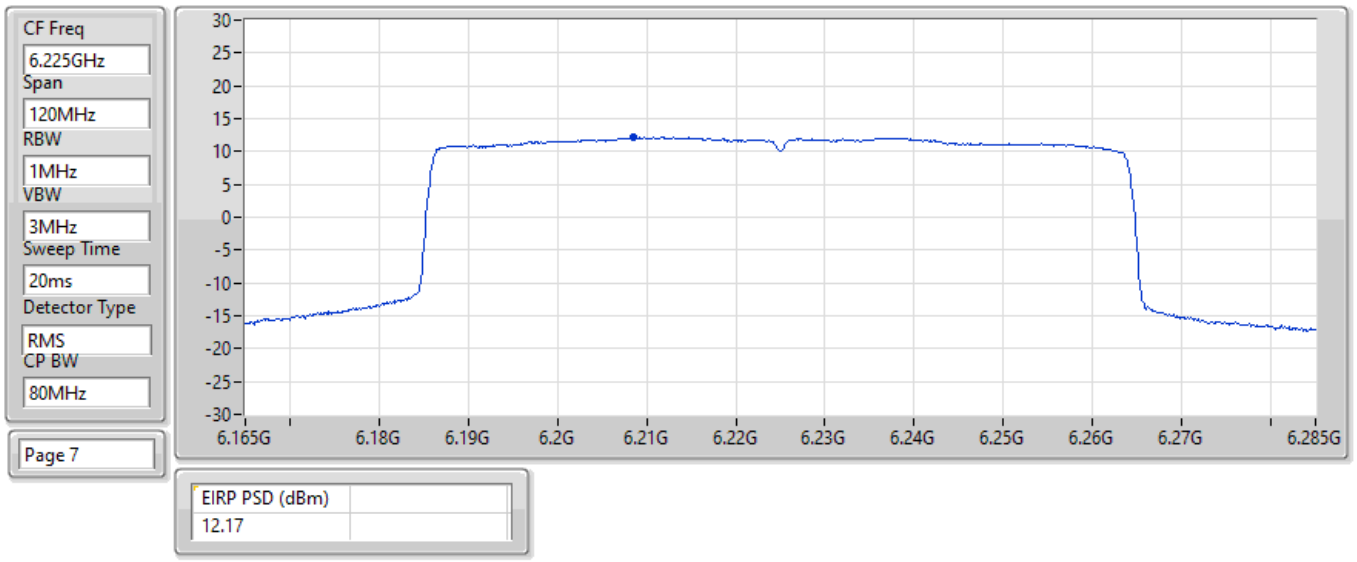
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(1);Ch:6845MHz;TX



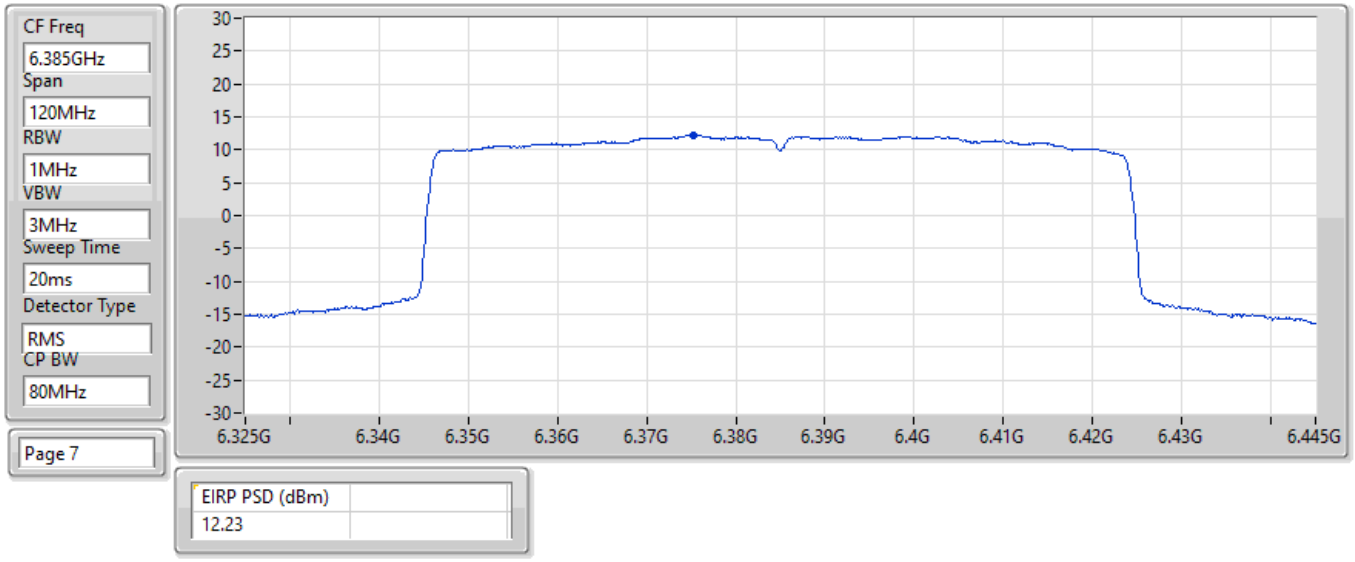
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:5985MHz;TX



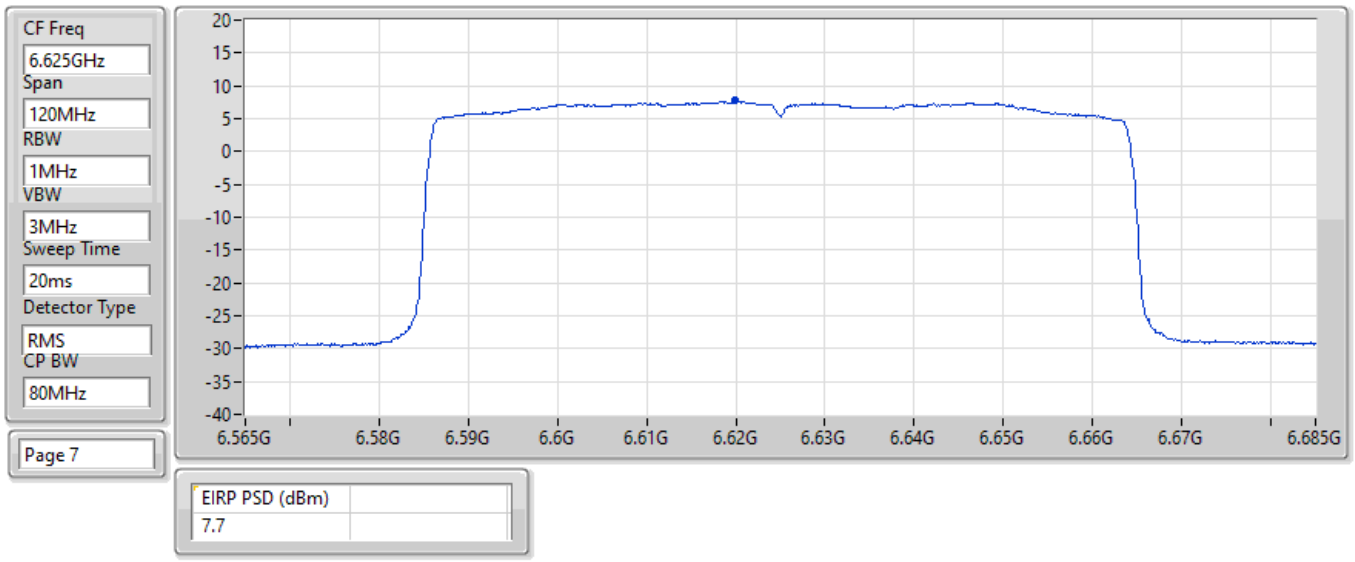
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6225MHz;TX



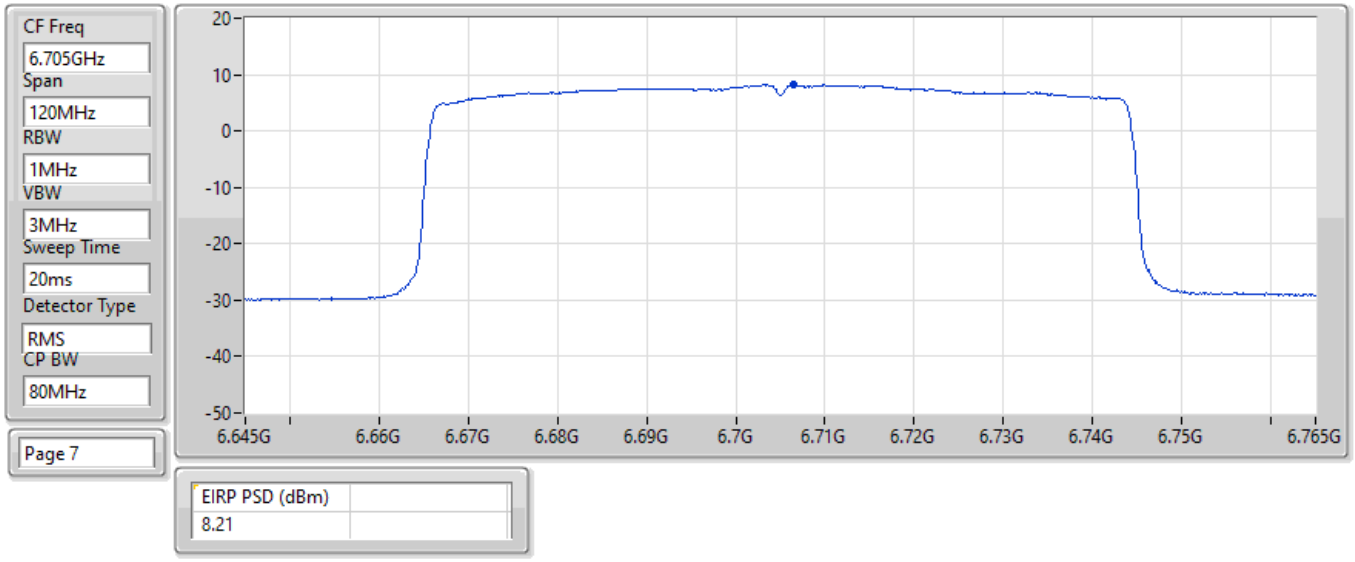
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6385MHz;TX



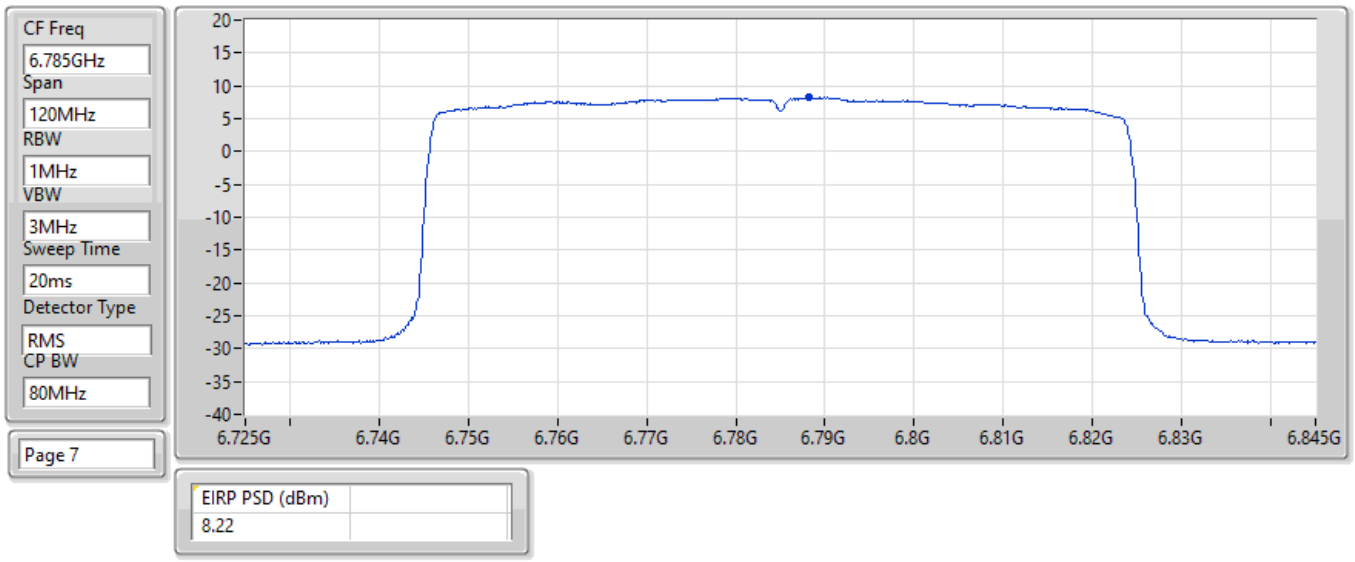
EIRP PSD;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6625MHz;TX



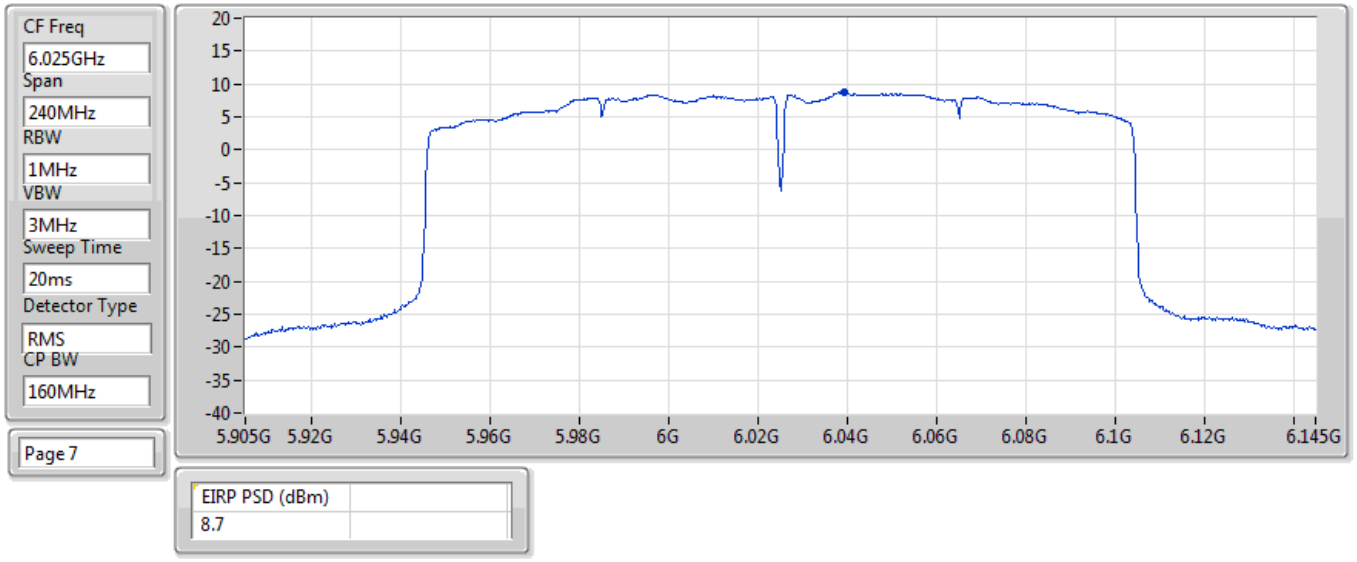
EIRP PSD;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6705MHz;TX



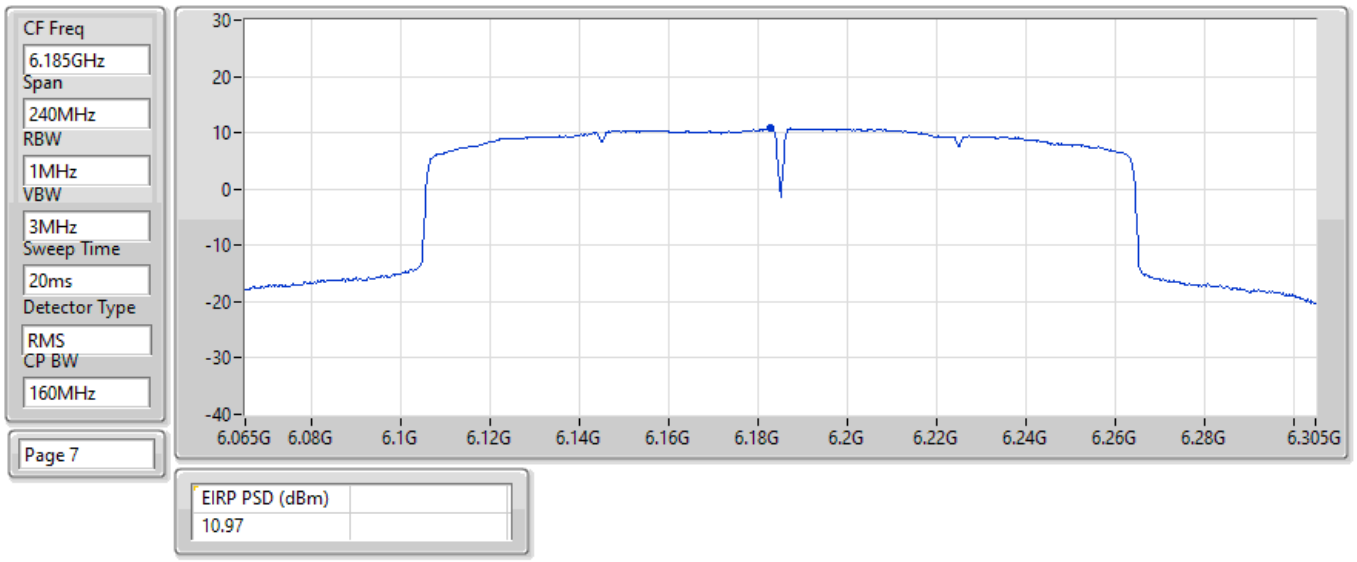
EIRP PSD;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(1);Ch:6785MHz;TX



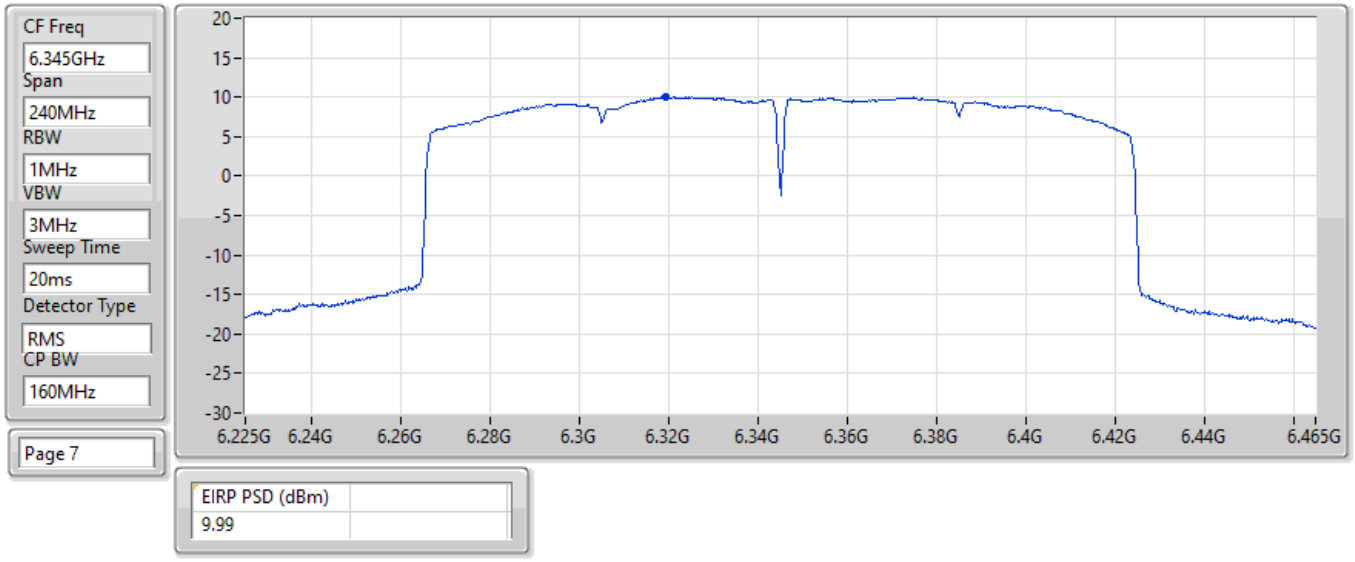
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(1);Ch:6025MHz;TX



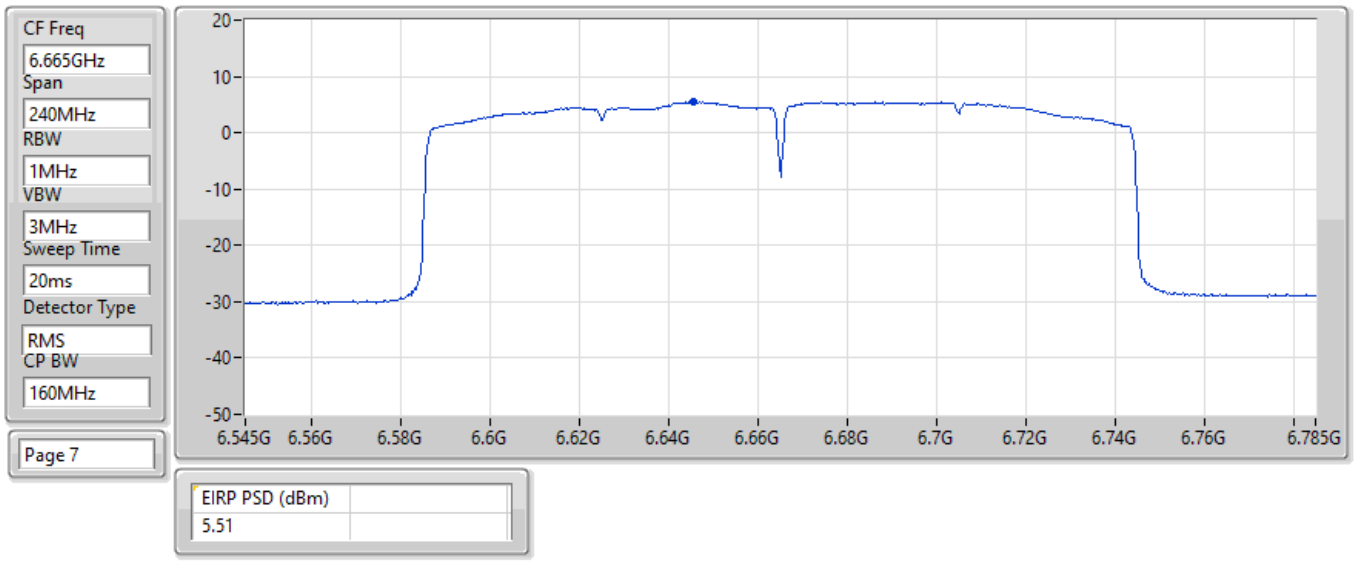
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(1);Ch:6185MHz;TX



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



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



Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	20.64
802.11ax HEW40_Nss1,(MCS0)_1TX	17.05
802.11ax HEW80_Nss1,(MCS0)_1TX	14.96
802.11ax HEW160_Nss1,(MCS0)_1TX	12.20
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	16.13
802.11ax HEW40_Nss1,(MCS0)_1TX	12.79
802.11ax HEW80_Nss1,(MCS0)_1TX	9.70
802.11ax HEW160_Nss1,(MCS0)_1TX	6.57

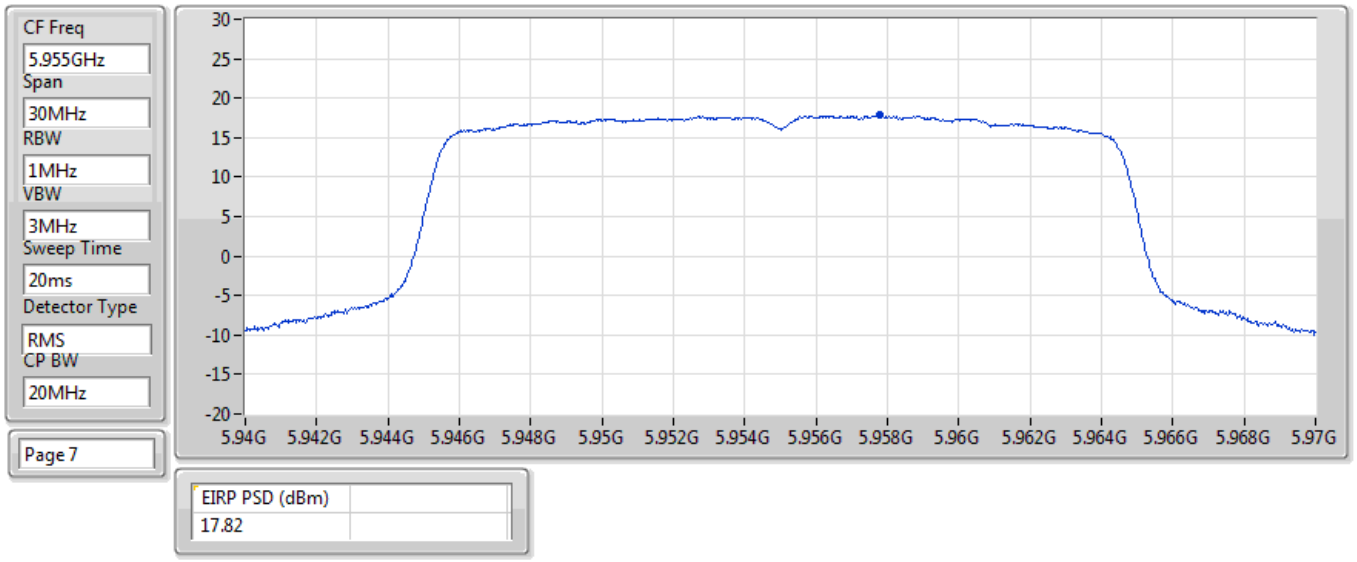
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

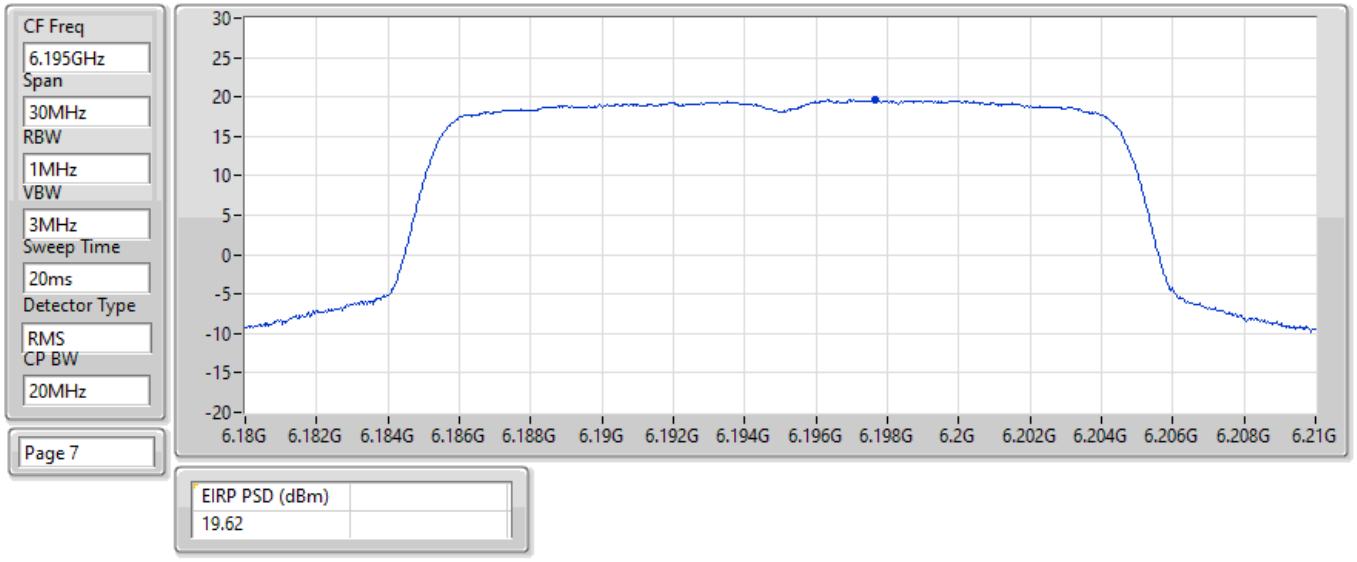
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	17.82	23.00
6195MHz	Pass	19.62	23.00
6415MHz	Pass	20.64	23.00
6535MHz	Pass	14.67	23.00
6695MHz	Pass	14.68	23.00
6855MHz	Pass	16.13	23.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	12.92	23.00
6205MHz	Pass	16.60	23.00
6405MHz	Pass	17.05	23.00
6565MHz	Pass	11.43	23.00
6685MHz	Pass	11.58	23.00
6845MHz	Pass	12.79	23.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	11.05	23.00
6225MHz	Pass	13.28	23.00
6385MHz	Pass	14.96	23.00
6625MHz	Pass	9.54	23.00
6705MHz	Pass	9.70	23.00
6785MHz	Pass	9.10	23.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	9.30	23.00
6185MHz	Pass	12.20	23.00
6345MHz	Pass	11.76	23.00
6665MHz	Pass	6.57	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;

EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:5955MHz;TX



EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:1(2);Ch:6195MHz;TX



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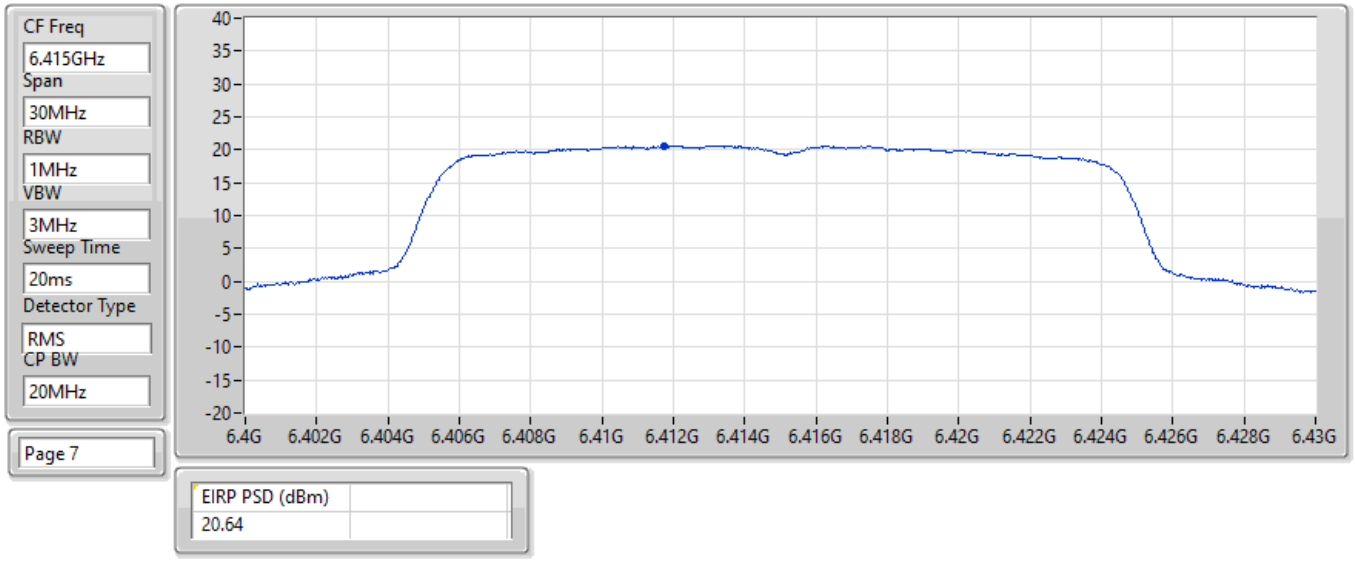

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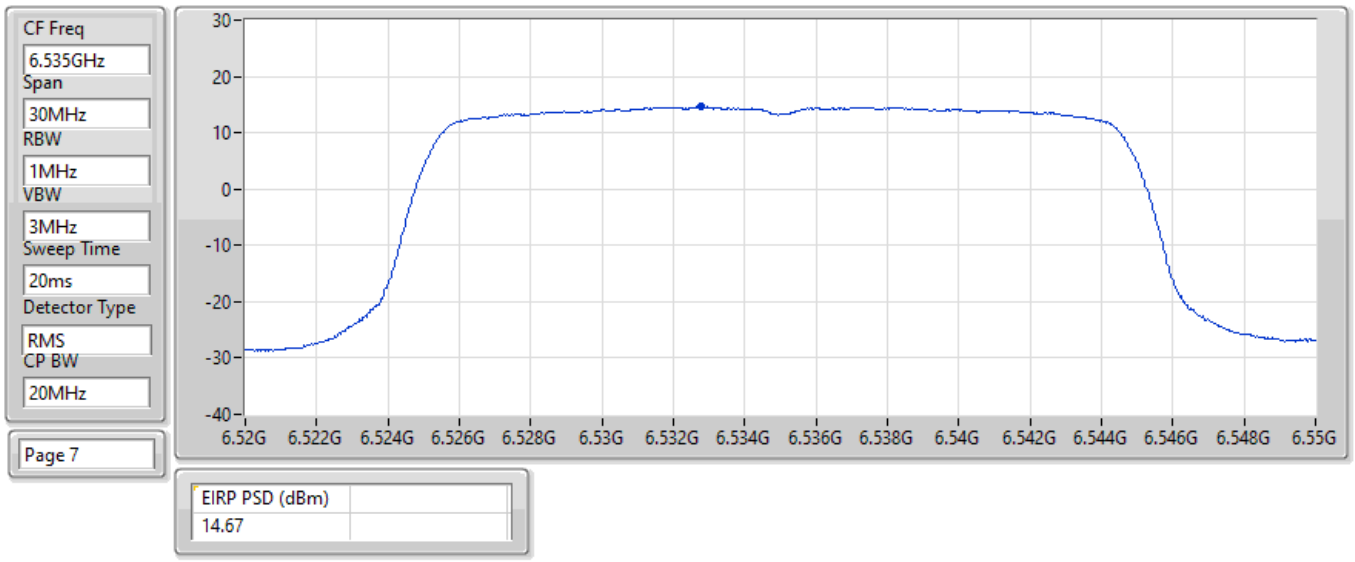

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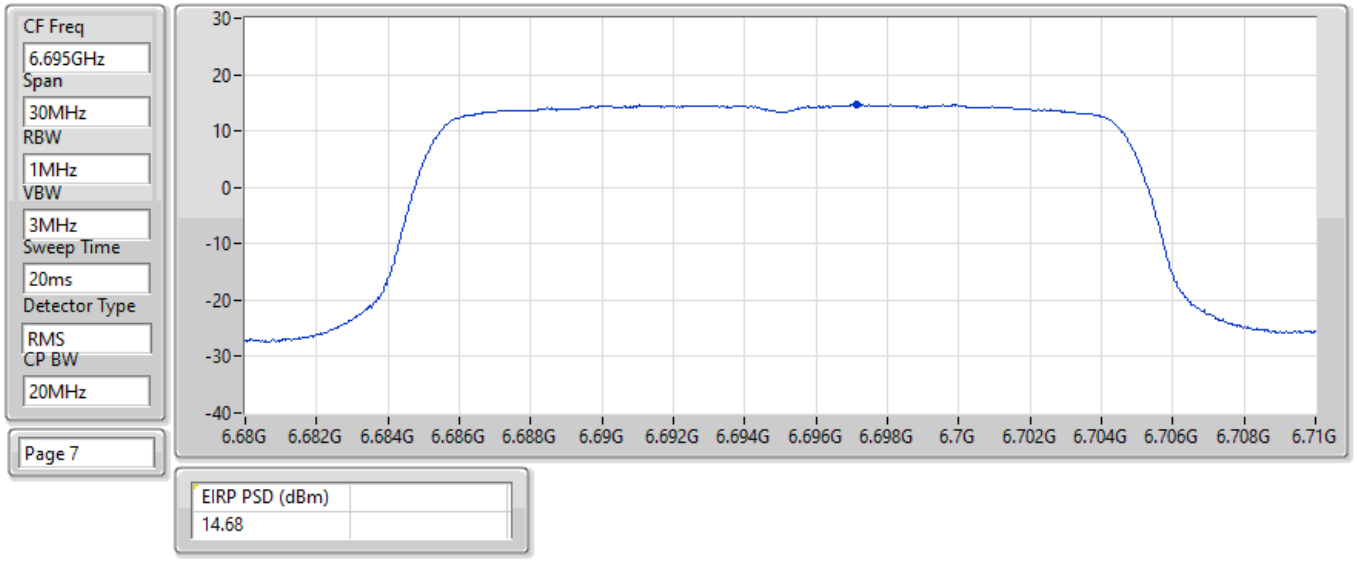

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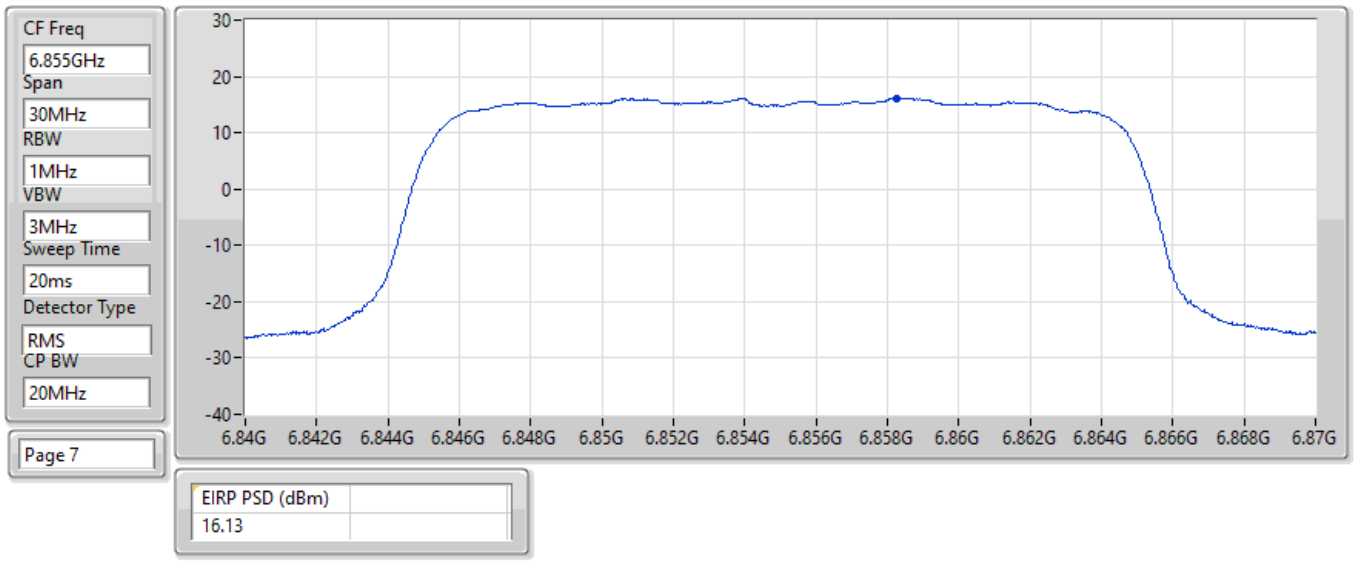
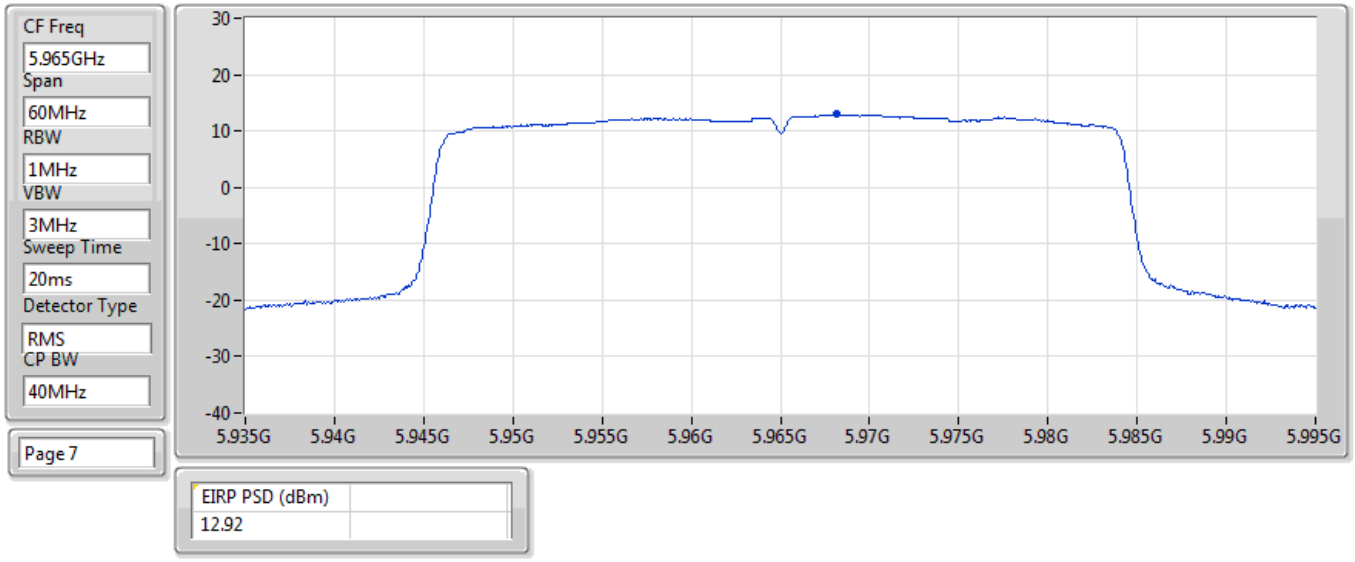
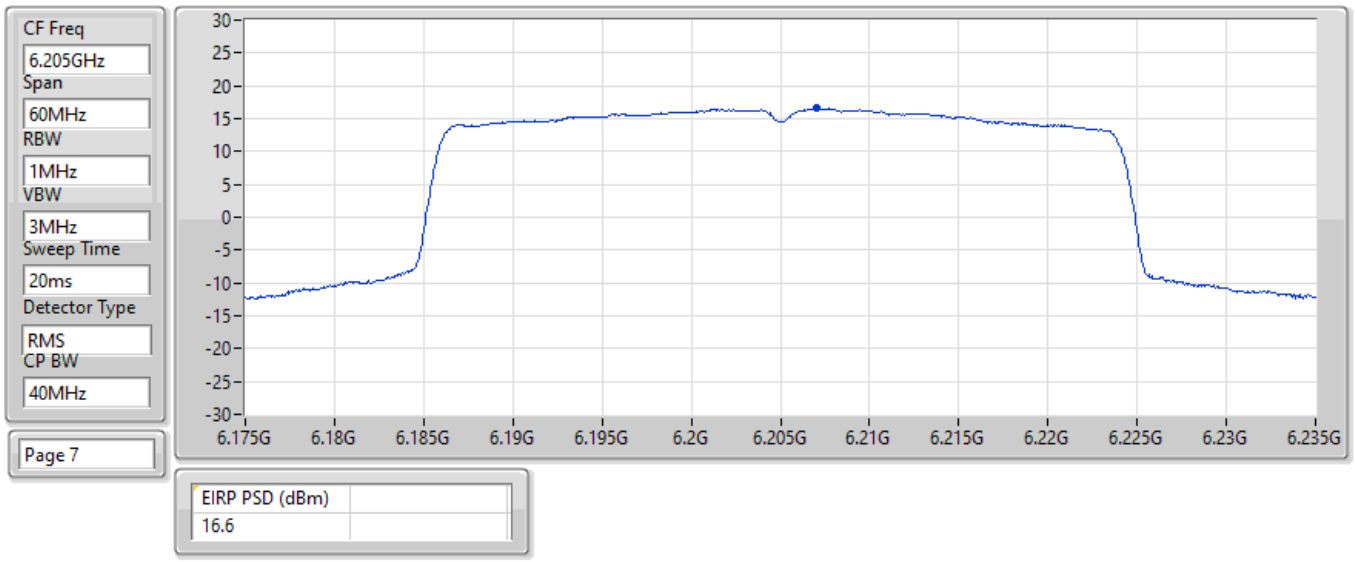


EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:5965MHz;TX



EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6205MHz;TX



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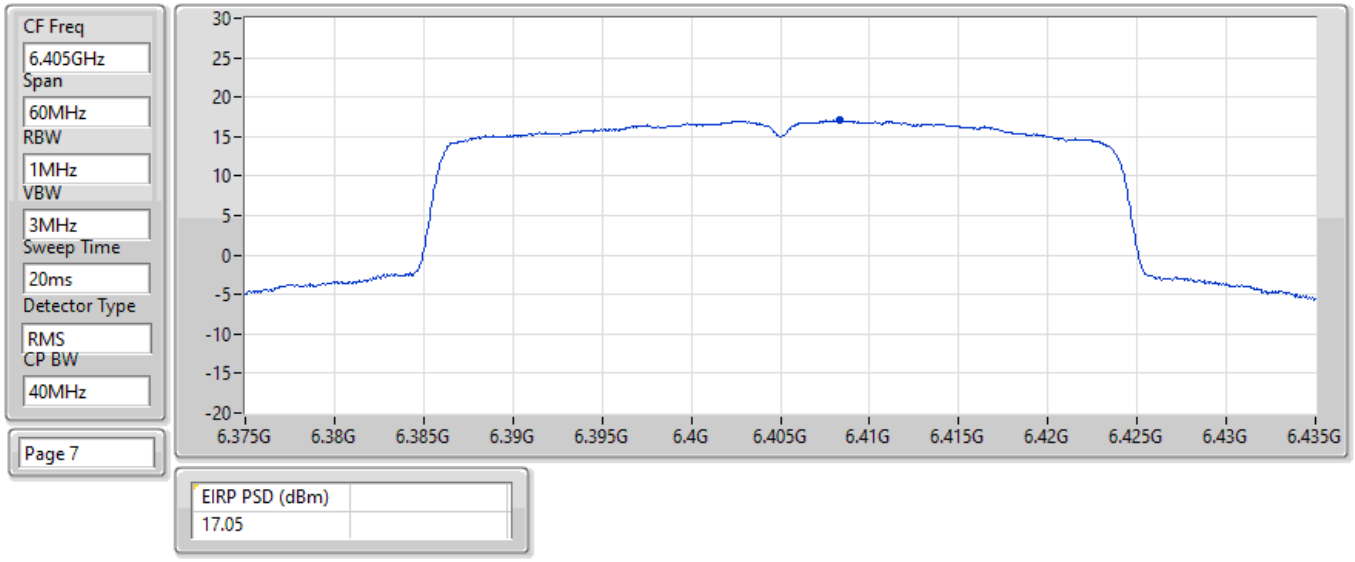

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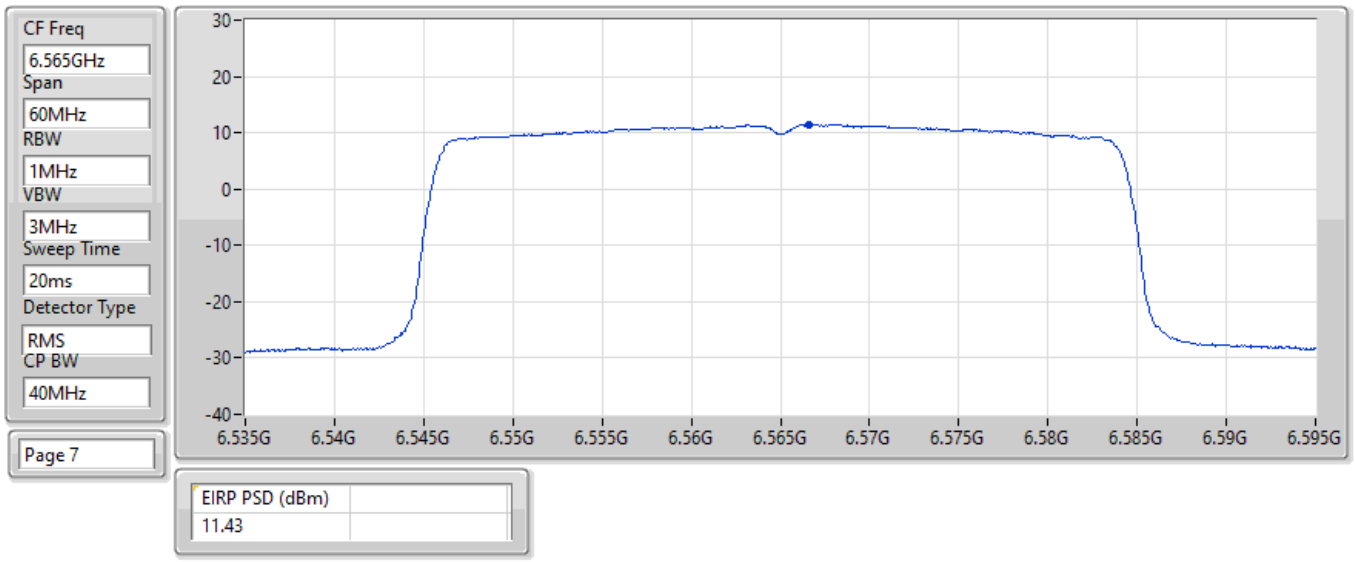
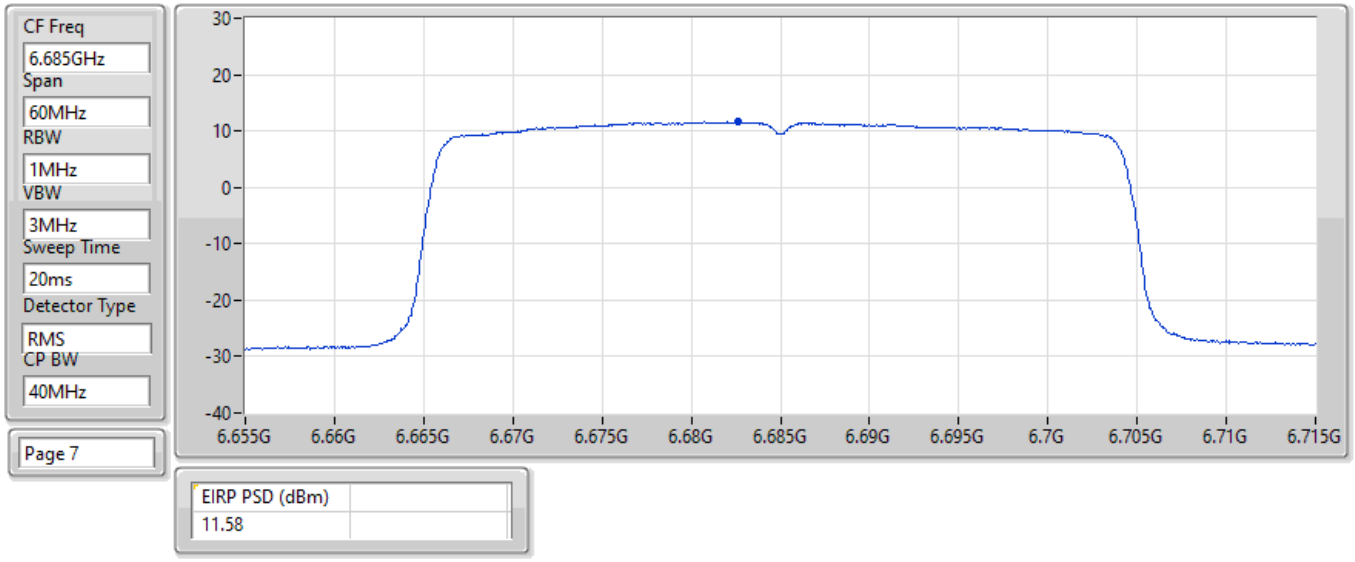
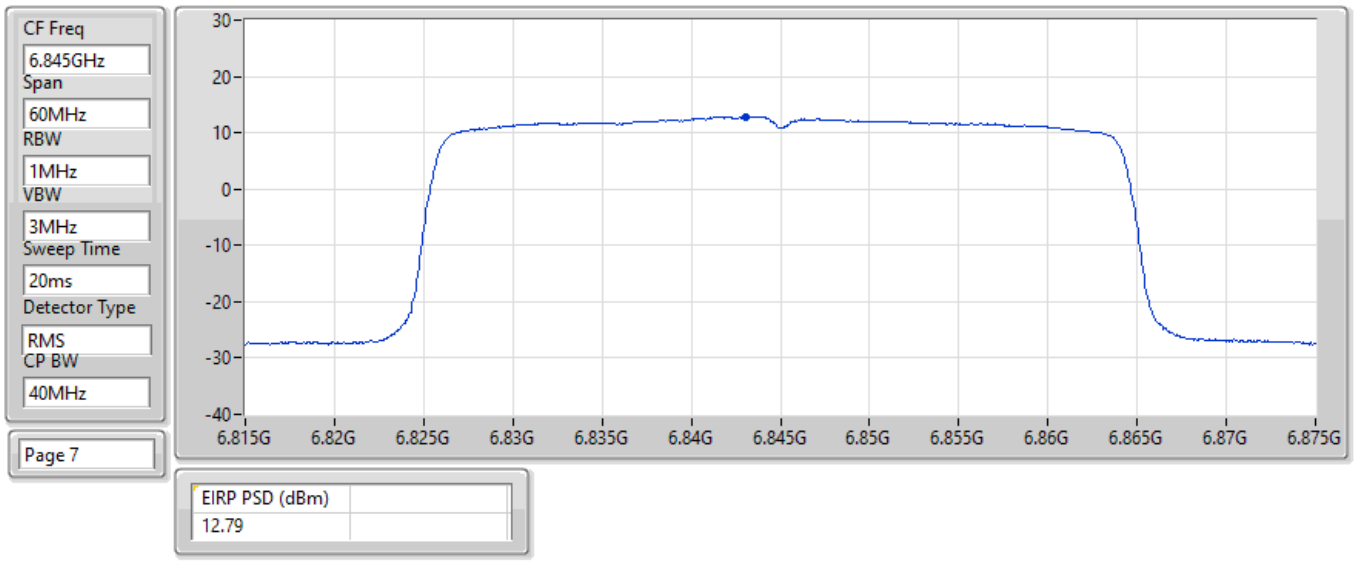


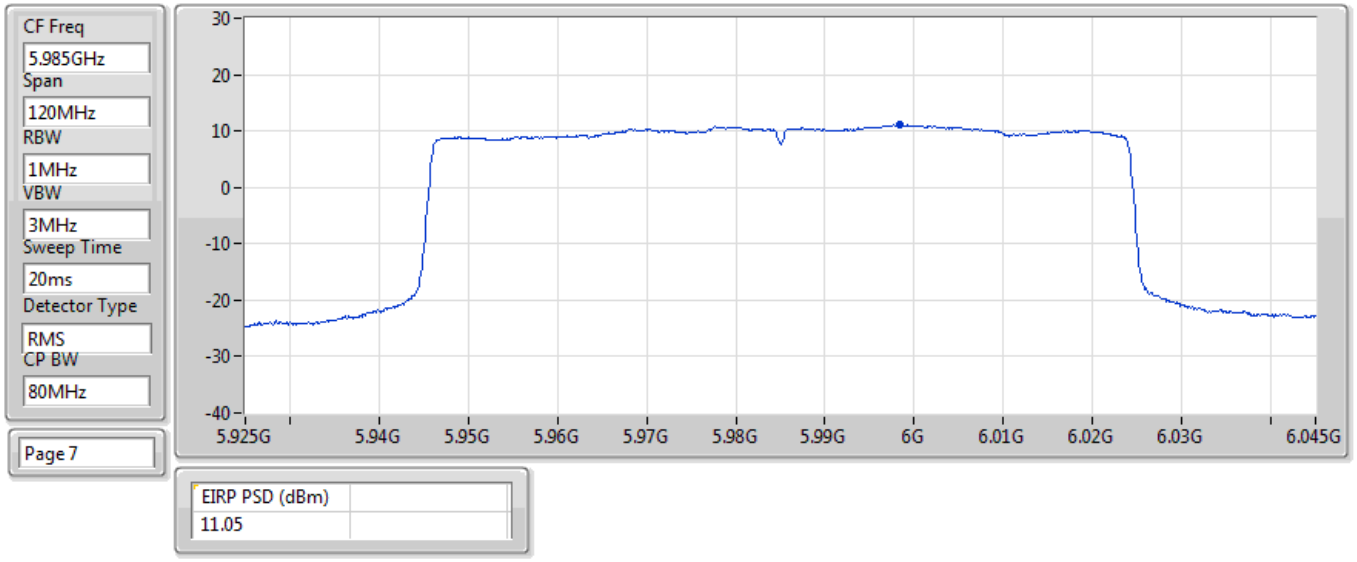
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6685MHz;TX



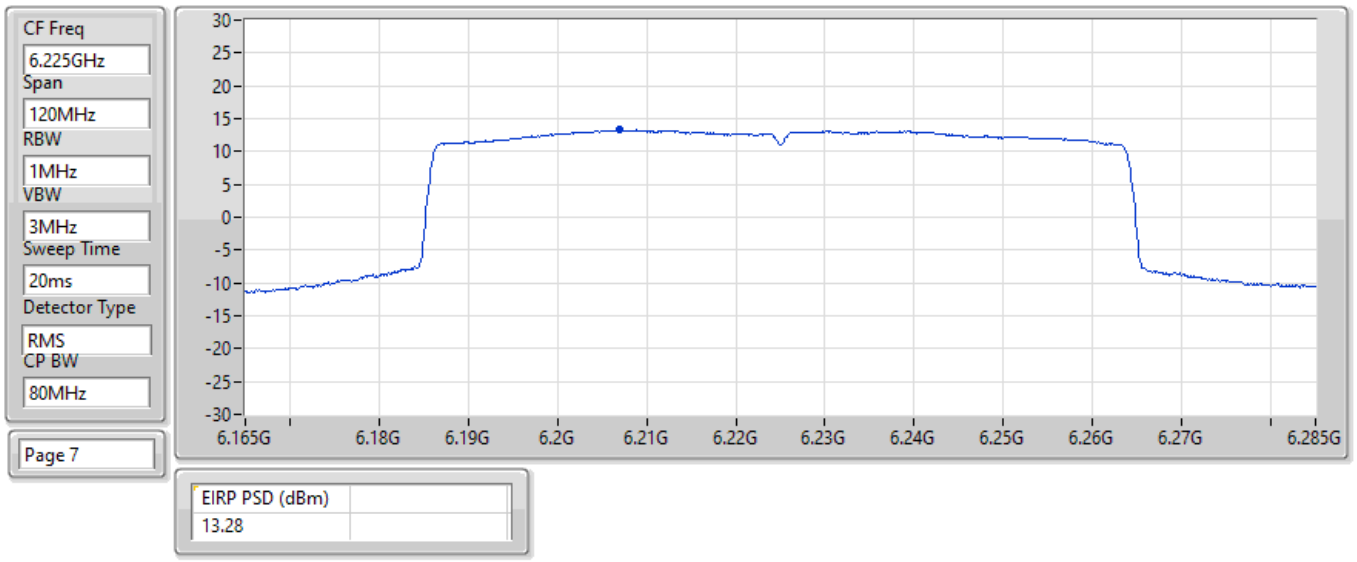
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:1(2);Ch:6845MHz;TX



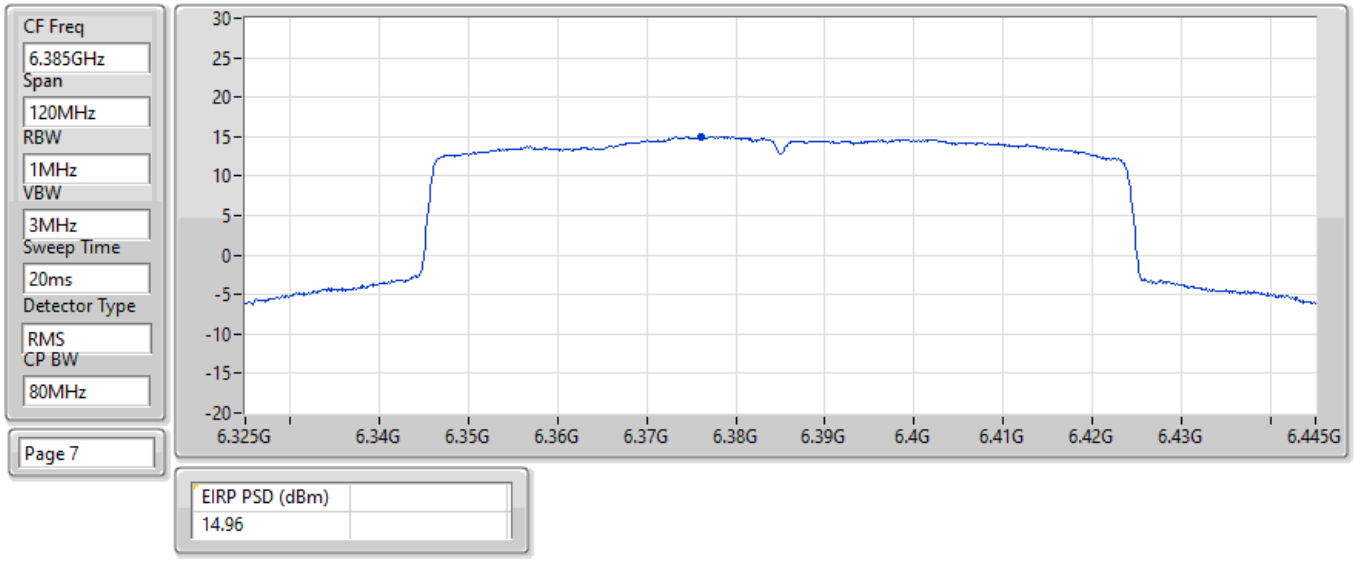
EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:5985MHz;TX



EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6225MHz;TX



EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:1(2);Ch:6385MHz;TX



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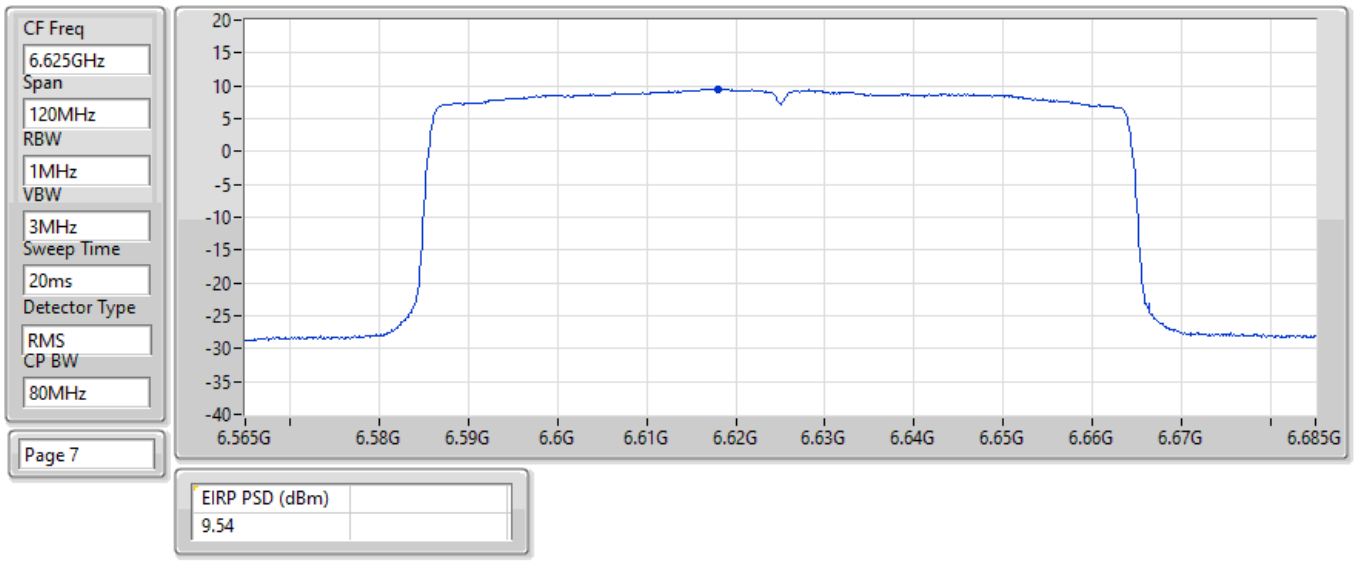

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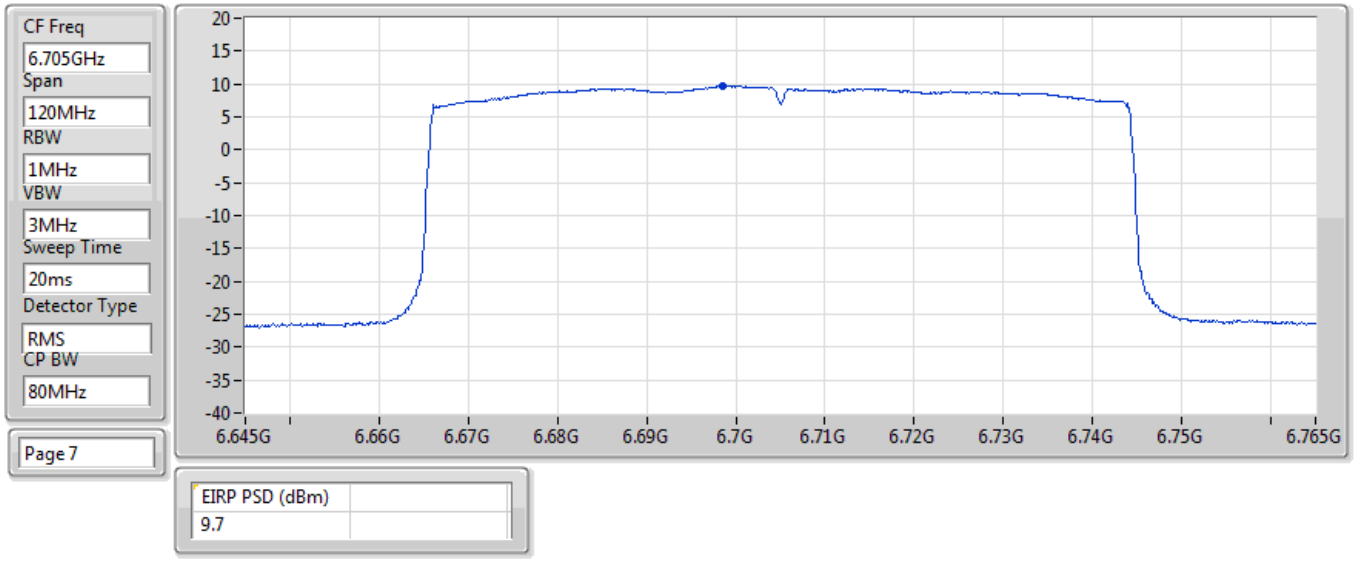

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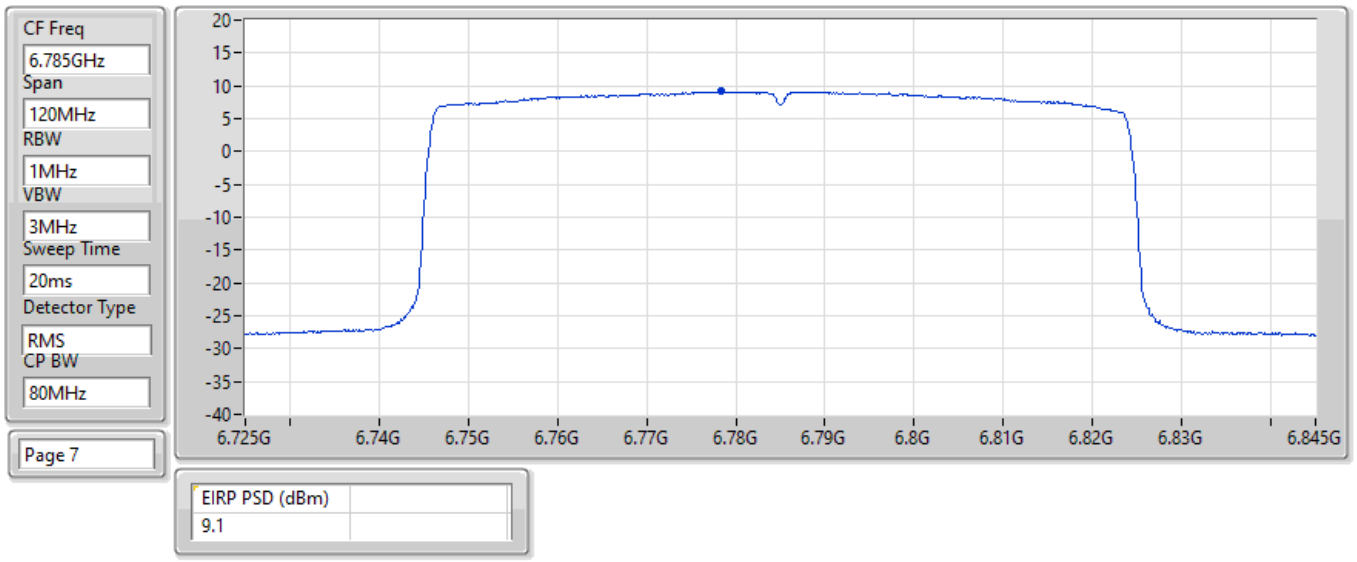
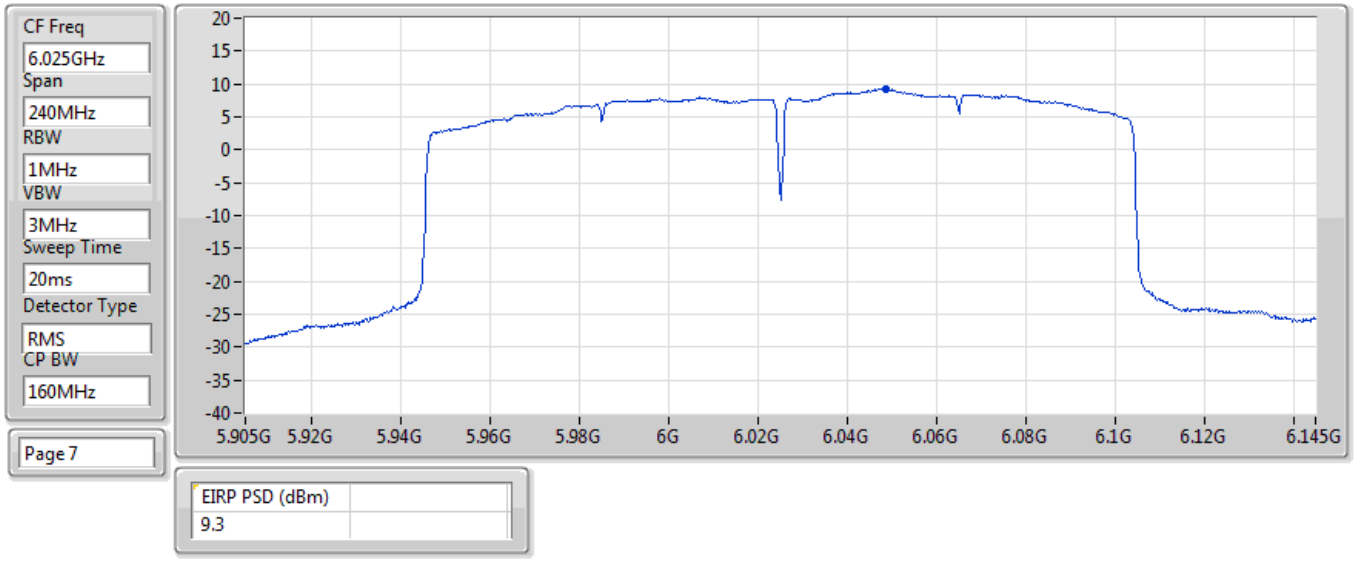
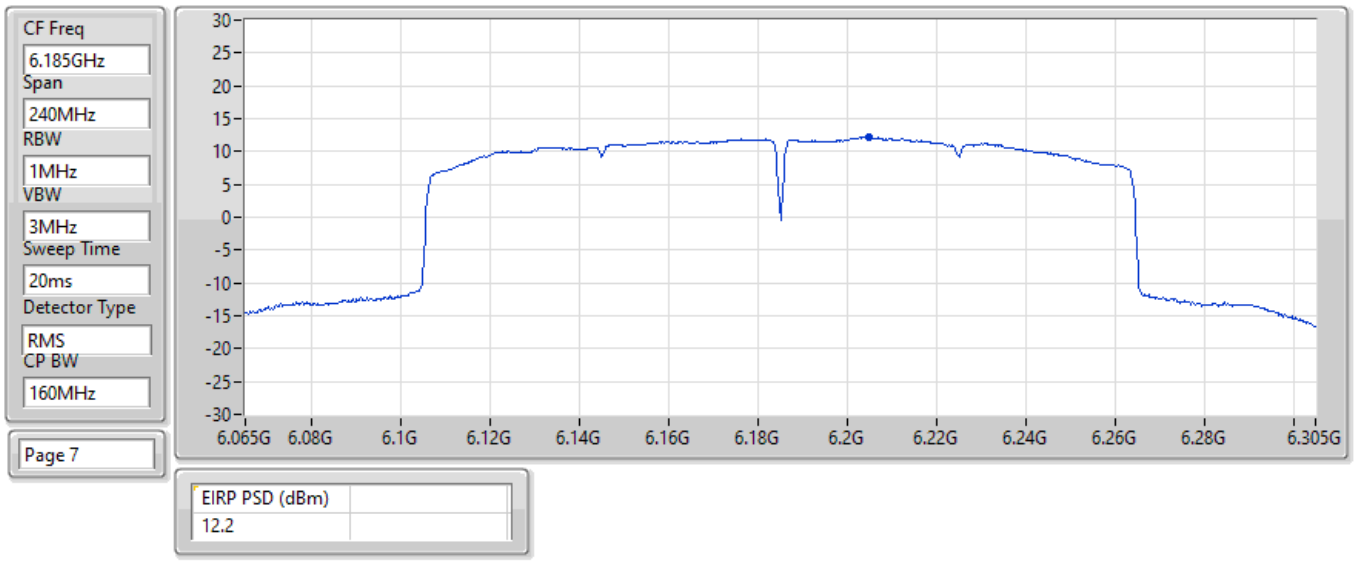


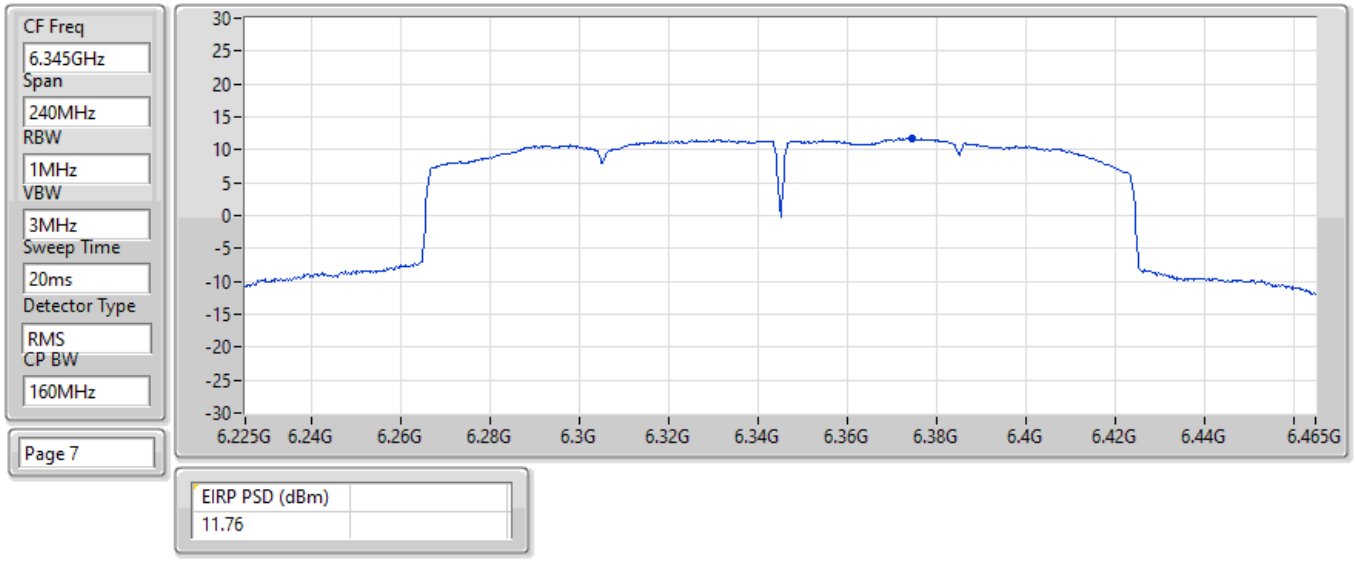
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6025MHz;TX



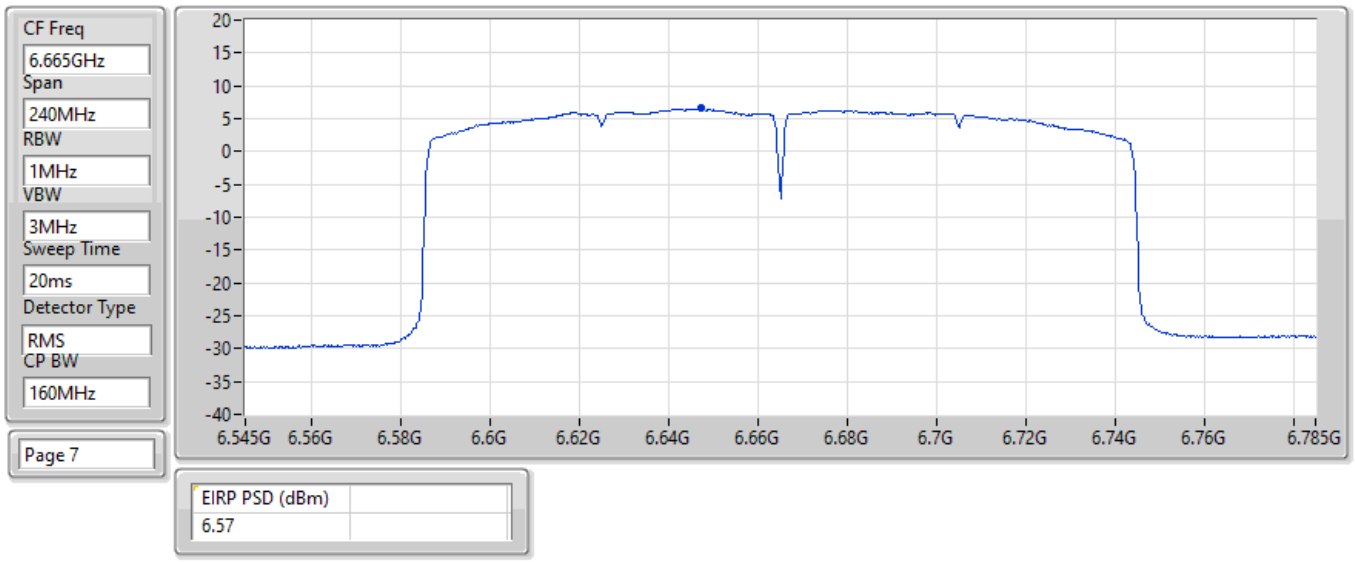
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6185MHz;TX



EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6345MHz;TX



EIRP PSD;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:1(2);Ch:6665MHz;TX



Summary

Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_2TX	19.95
802.11ax HEW40_Nss1,(MCS0)_2TX	16.62
802.11ax HEW80_Nss1,(MCS0)_2TX	13.39
802.11ax HEW160_Nss1,(MCS0)_2TX	12.50
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_2TX	15.30
802.11ax HEW40_Nss1,(MCS0)_2TX	10.90
802.11ax HEW80_Nss1,(MCS0)_2TX	8.26
802.11ax HEW160_Nss1,(MCS0)_2TX	4.89

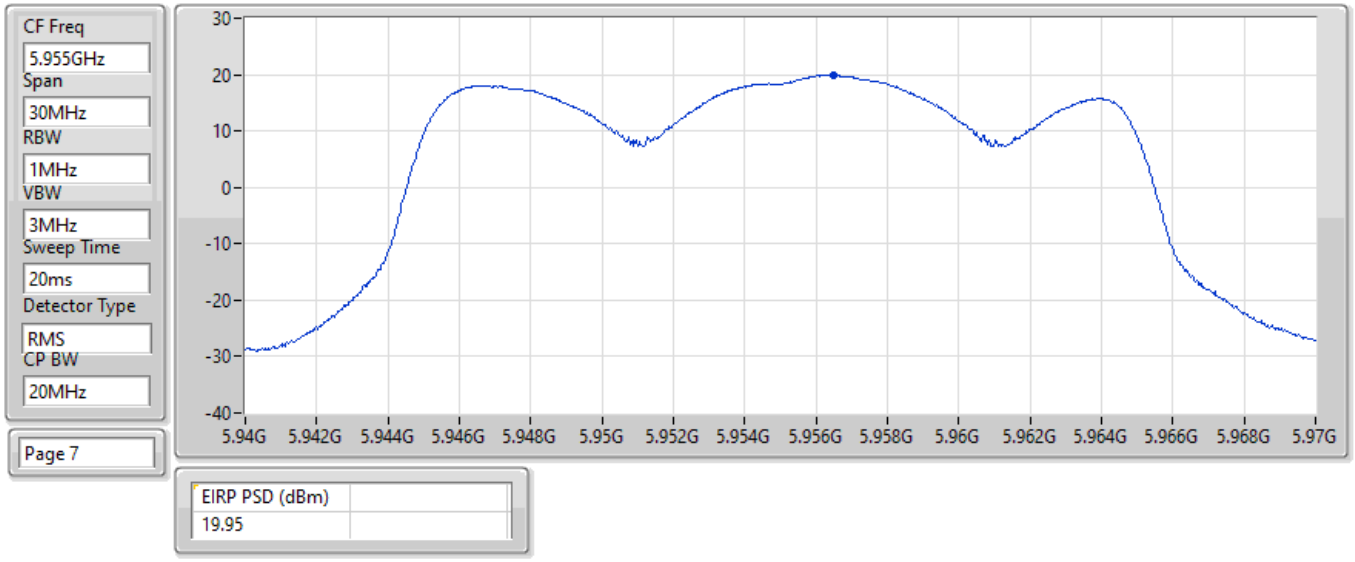
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

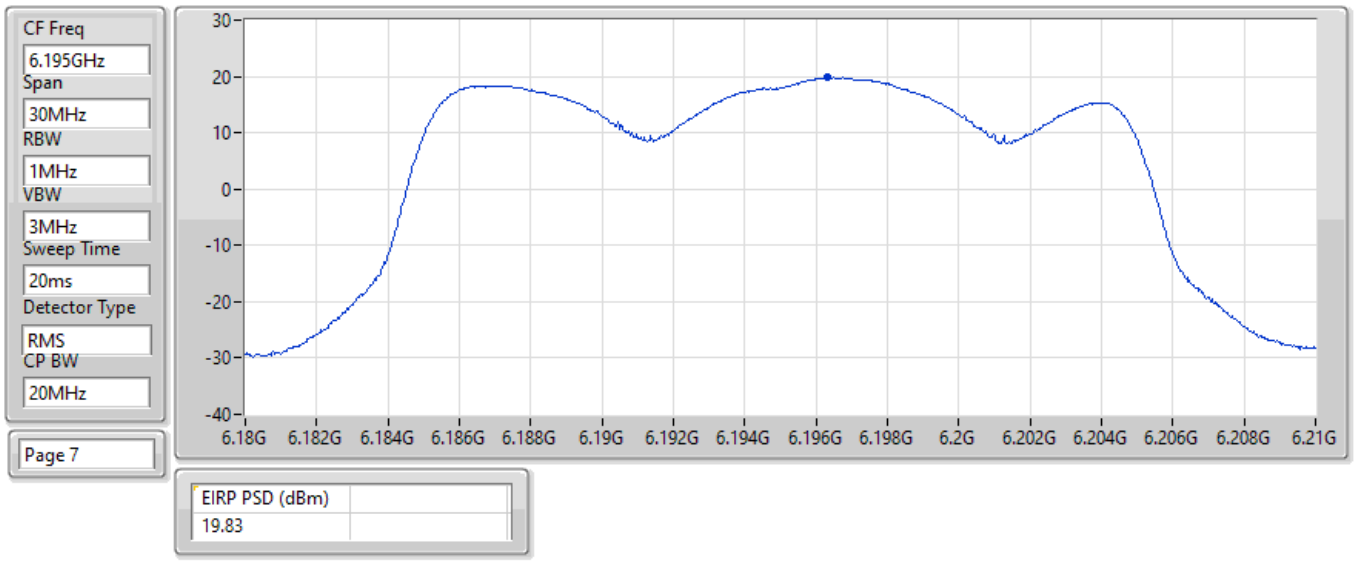
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	19.95	23.00
6195MHz	Pass	19.83	23.00
6415MHz	Pass	19.13	23.00
6535MHz	Pass	14.00	23.00
6695MHz	Pass	13.82	23.00
6855MHz	Pass	15.30	23.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	16.60	23.00
6205MHz	Pass	16.62	23.00
6405MHz	Pass	16.03	23.00
6565MHz	Pass	10.77	23.00
6685MHz	Pass	10.90	23.00
6845MHz	Pass	10.69	23.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	13.39	23.00
6225MHz	Pass	12.83	23.00
6385MHz	Pass	12.97	23.00
6625MHz	Pass	7.94	23.00
6705MHz	Pass	7.97	23.00
6785MHz	Pass	8.26	23.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	10.43	23.00
6185MHz	Pass	12.50	23.00
6345MHz	Pass	10.99	23.00
6665MHz	Pass	4.89	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;

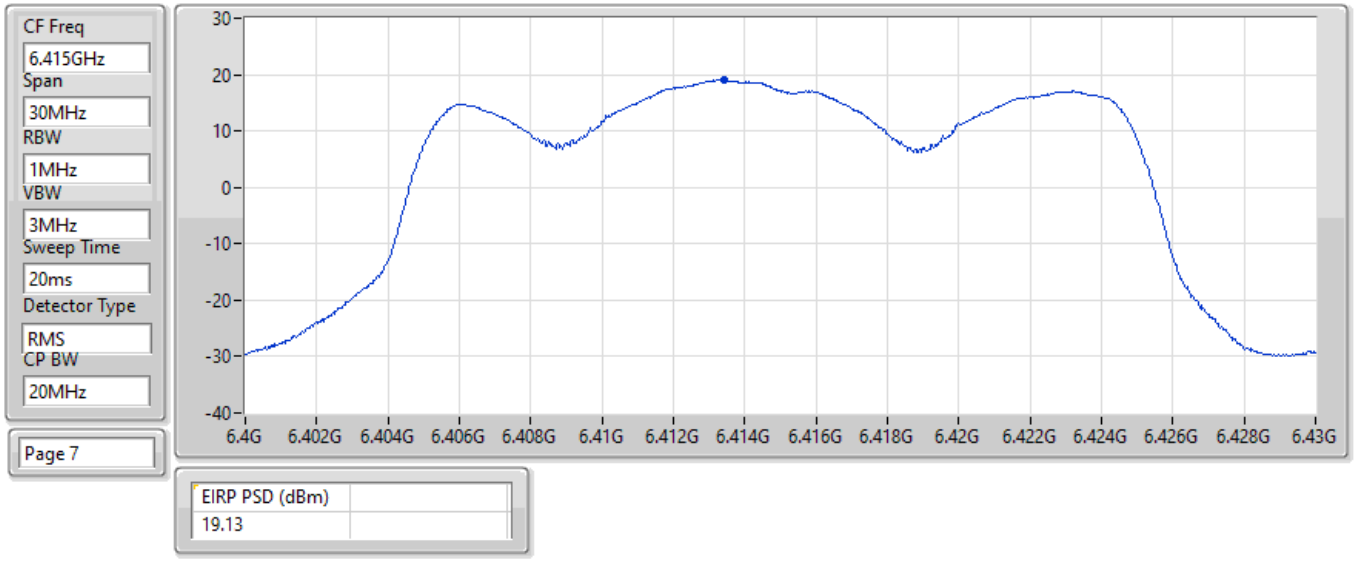
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX



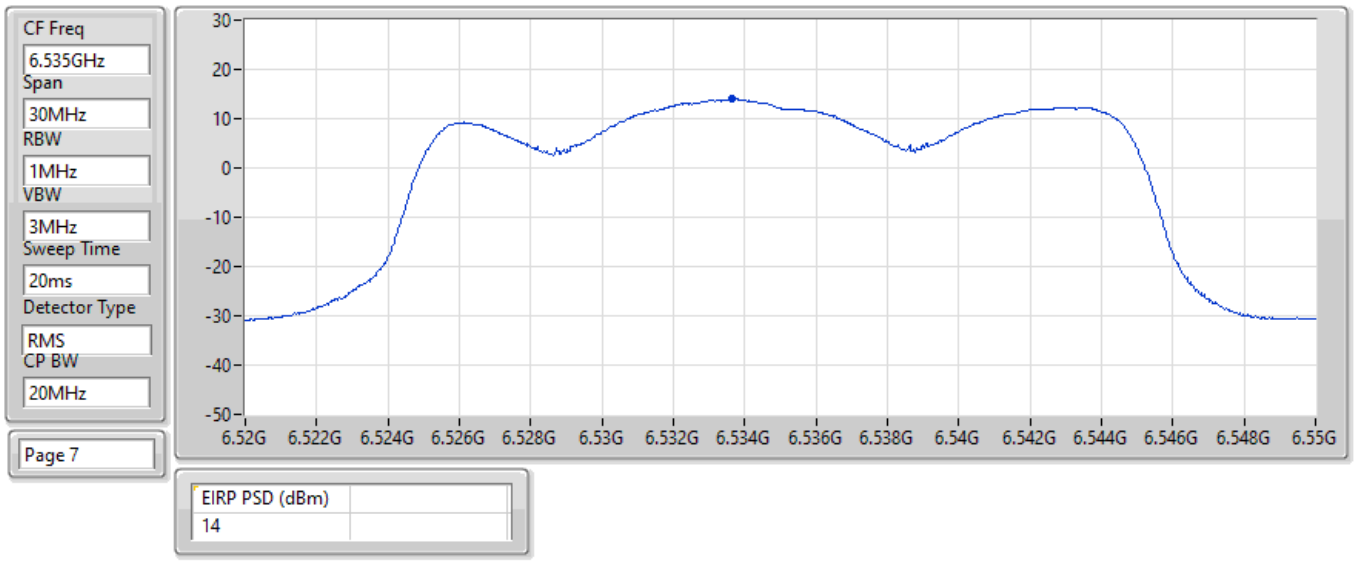
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX



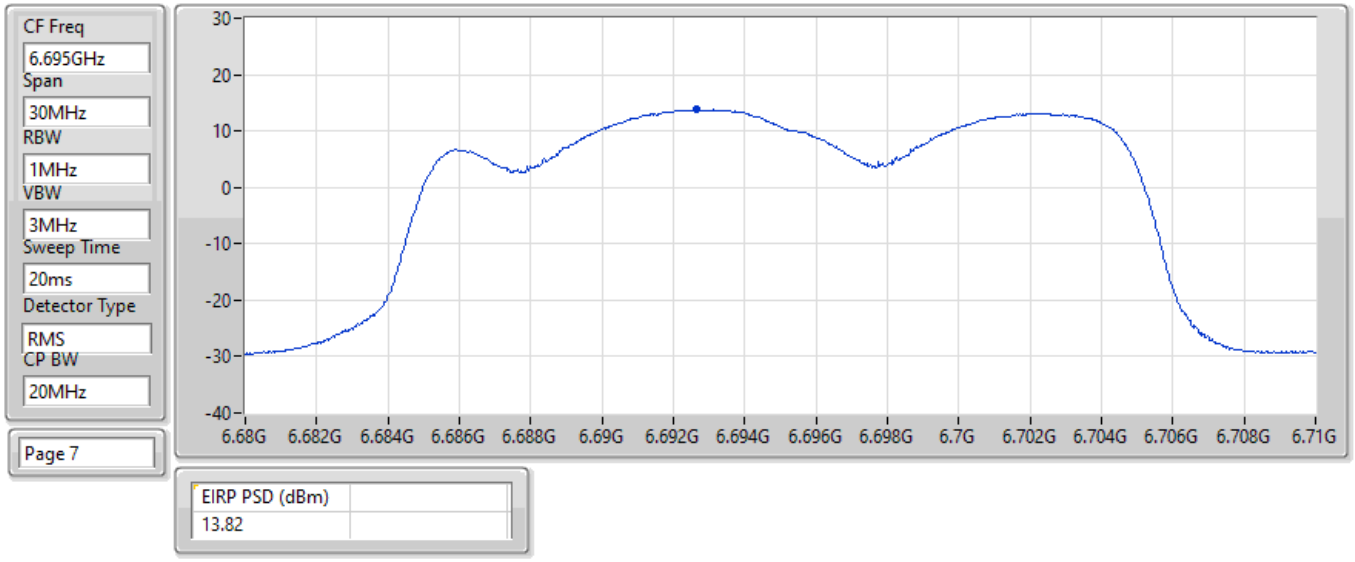
EIRP PSD;Band:6.2G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX



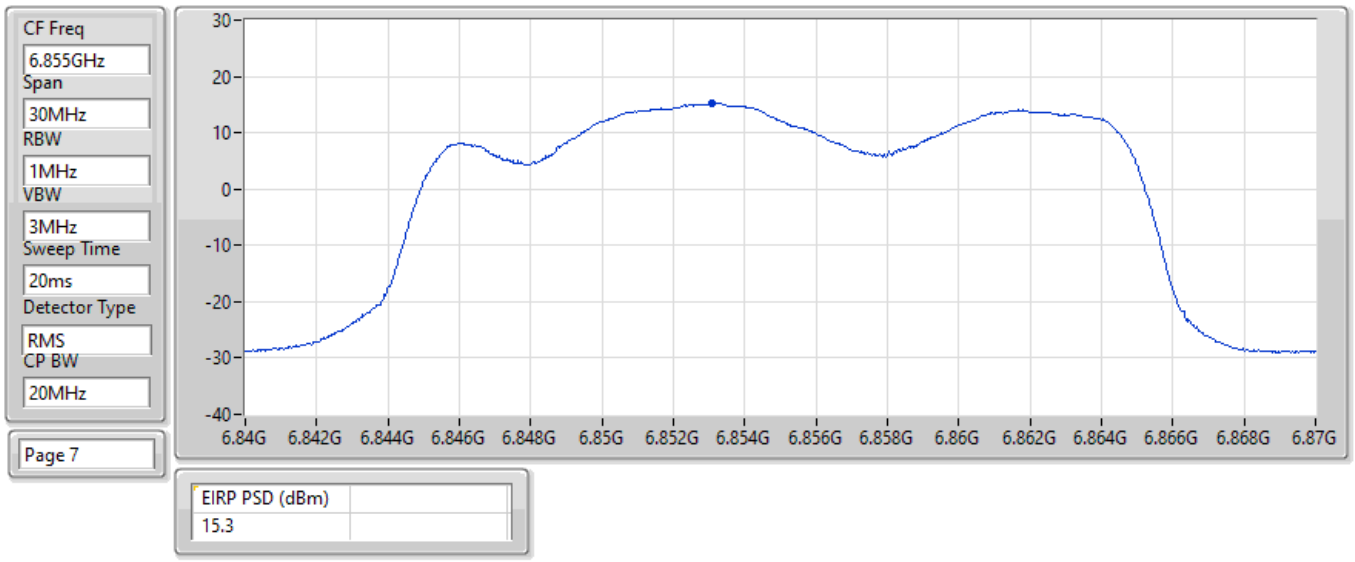
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX



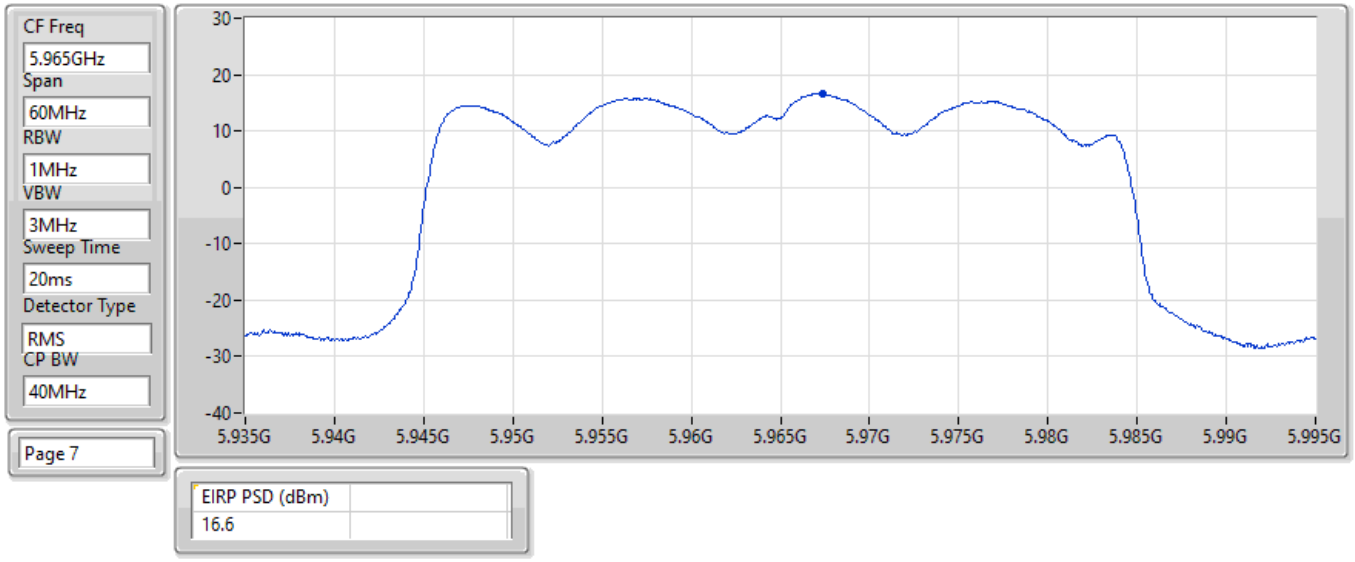
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6695MHz;TX



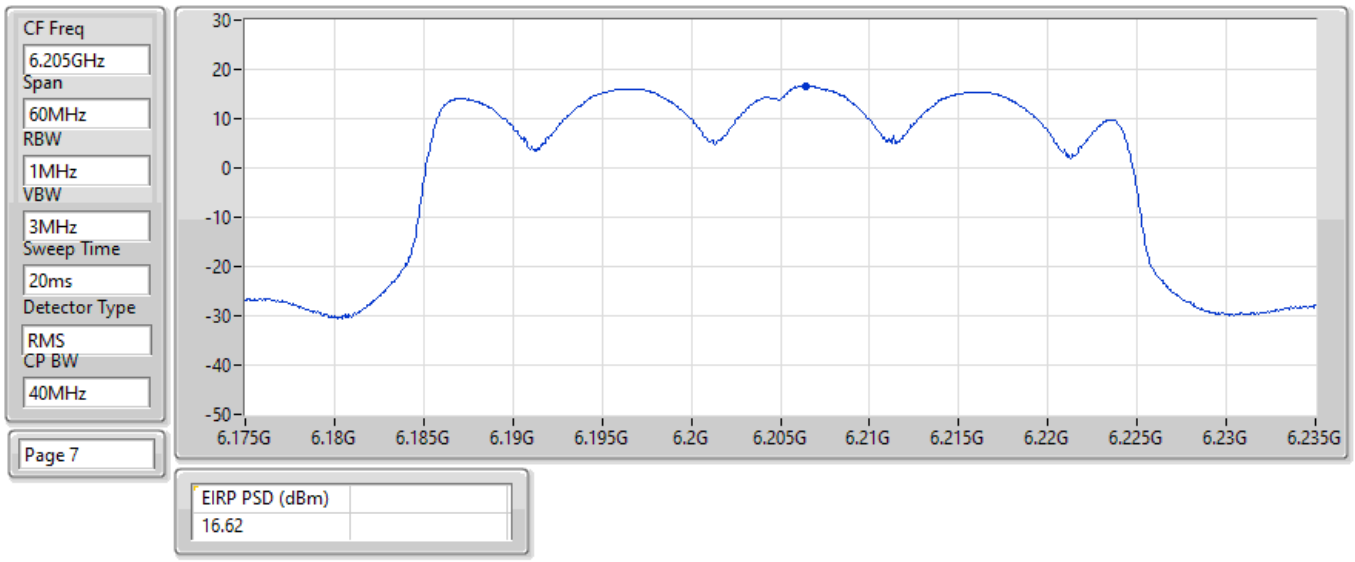
EIRP PSD;Band:6.7G;ax20;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6855MHz;TX



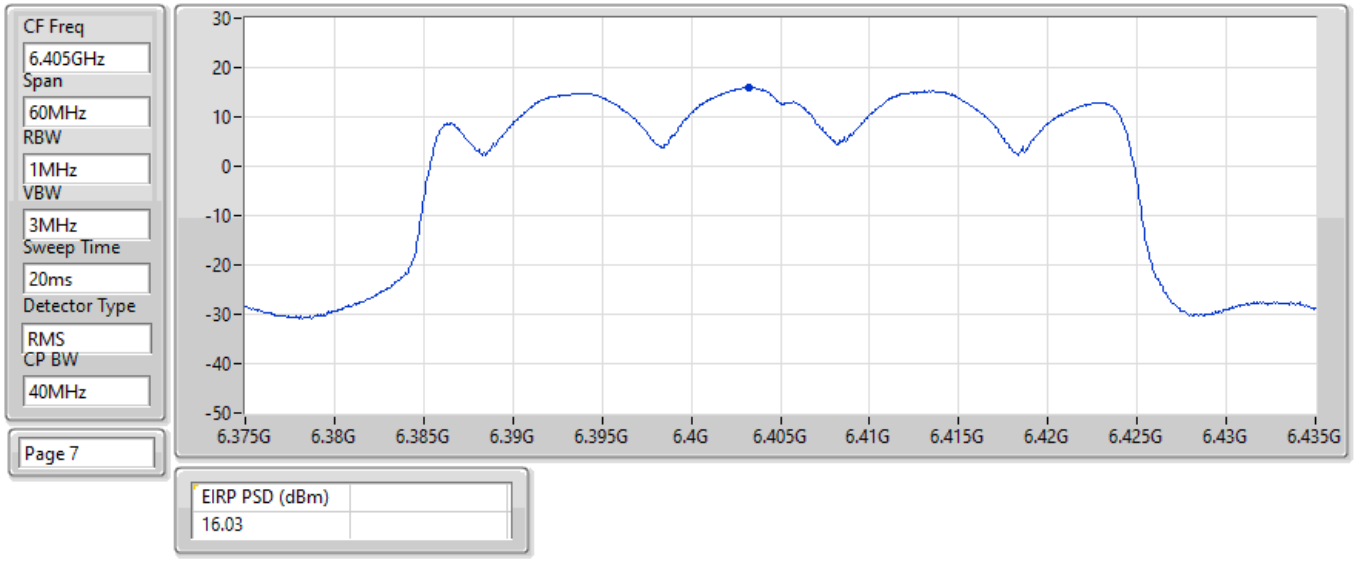
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:5965MHz;TX



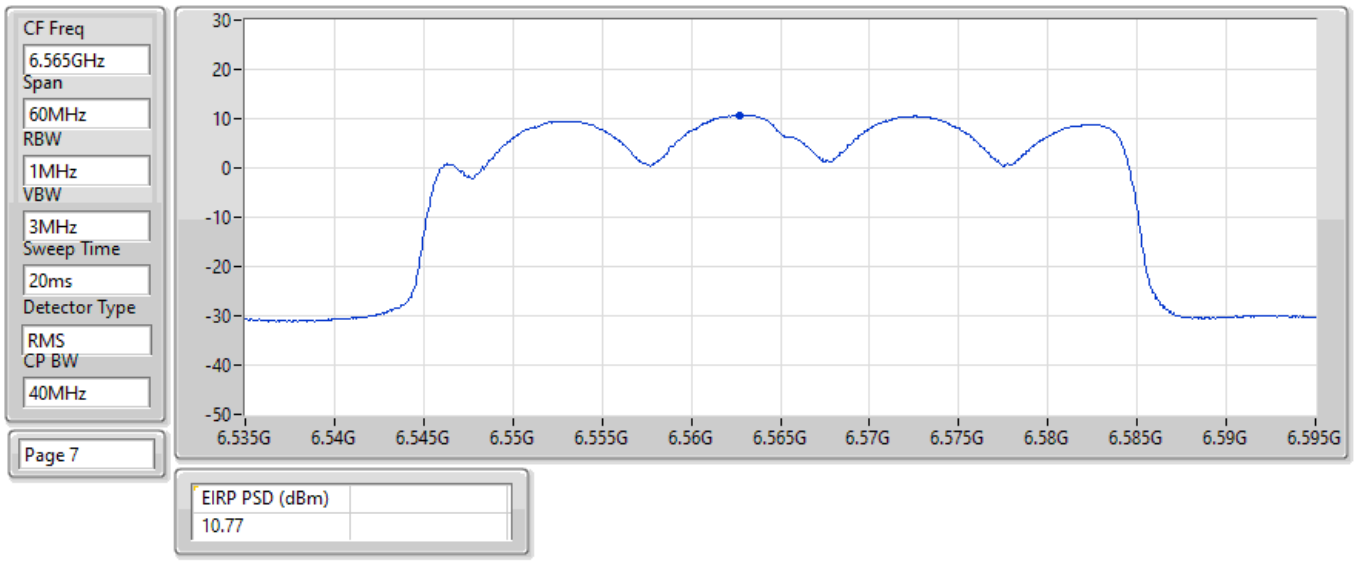
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6205MHz;TX



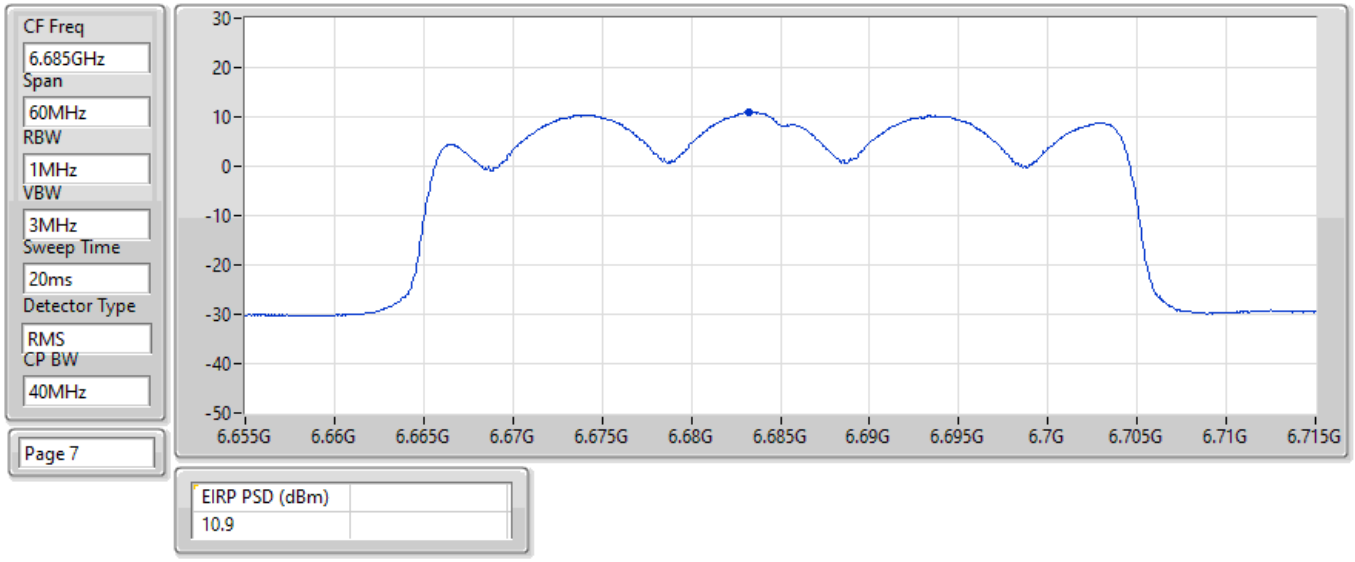
EIRP PSD;Band:6.2G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6405MHz;TX



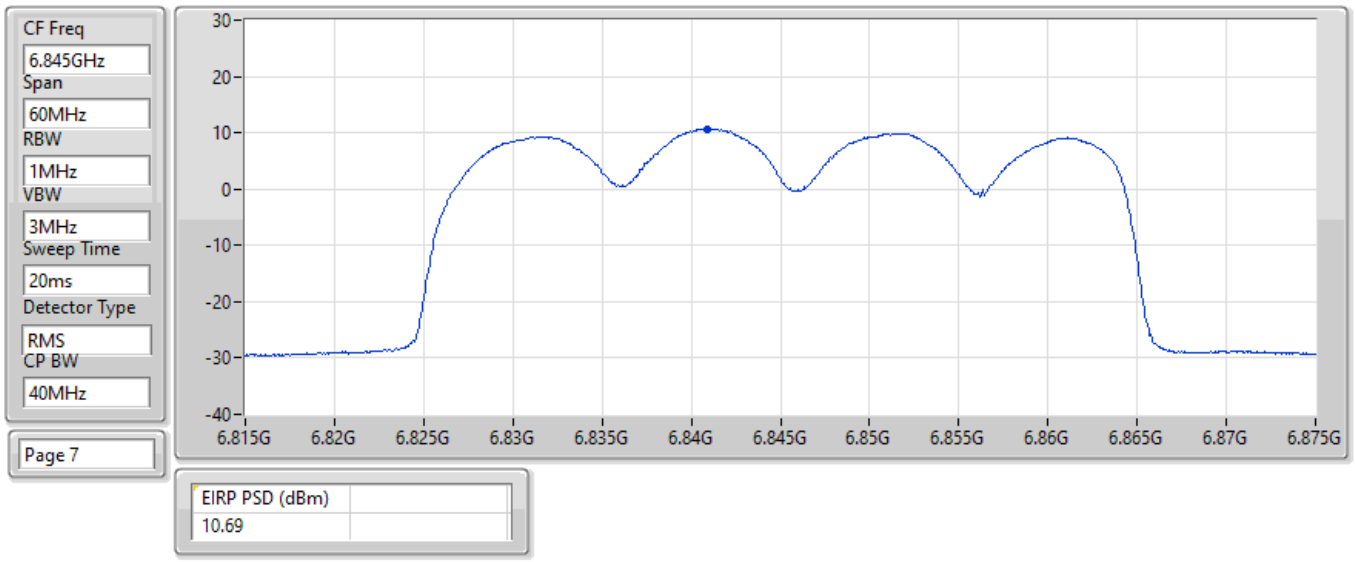
EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6565MHz;TX



EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6685MHz;TX

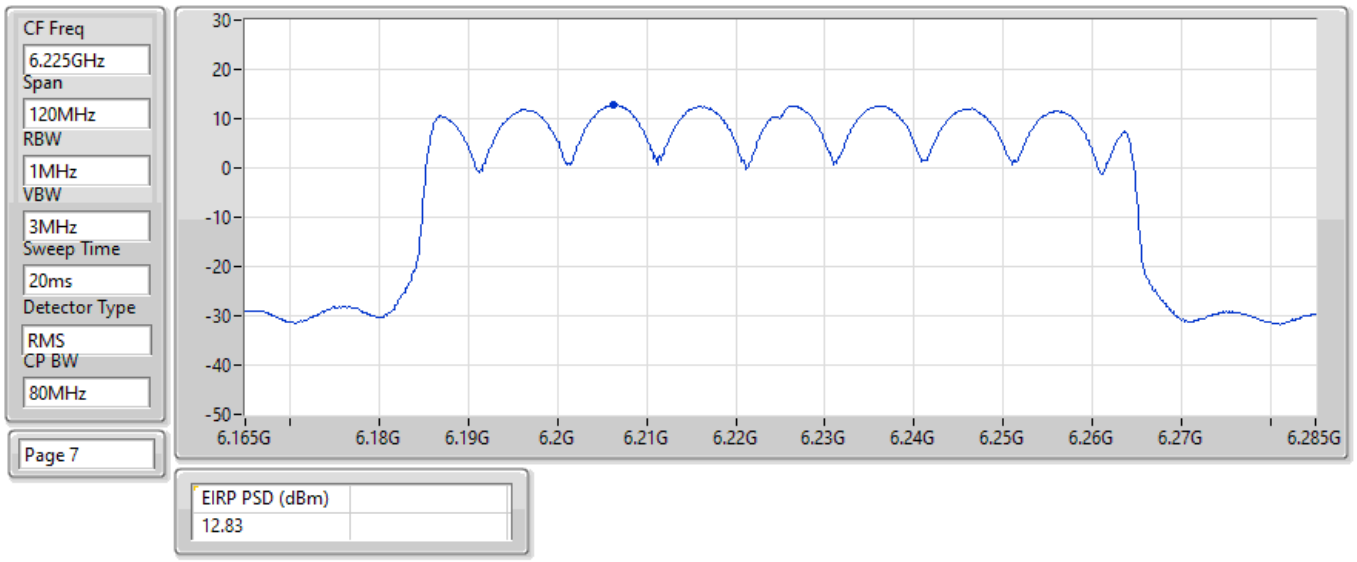


EIRP PSD;Band:6.7G;ax40;BWch:40MHz;Nss:1,(M0);Nant:2;Ch:6845MHz;TX

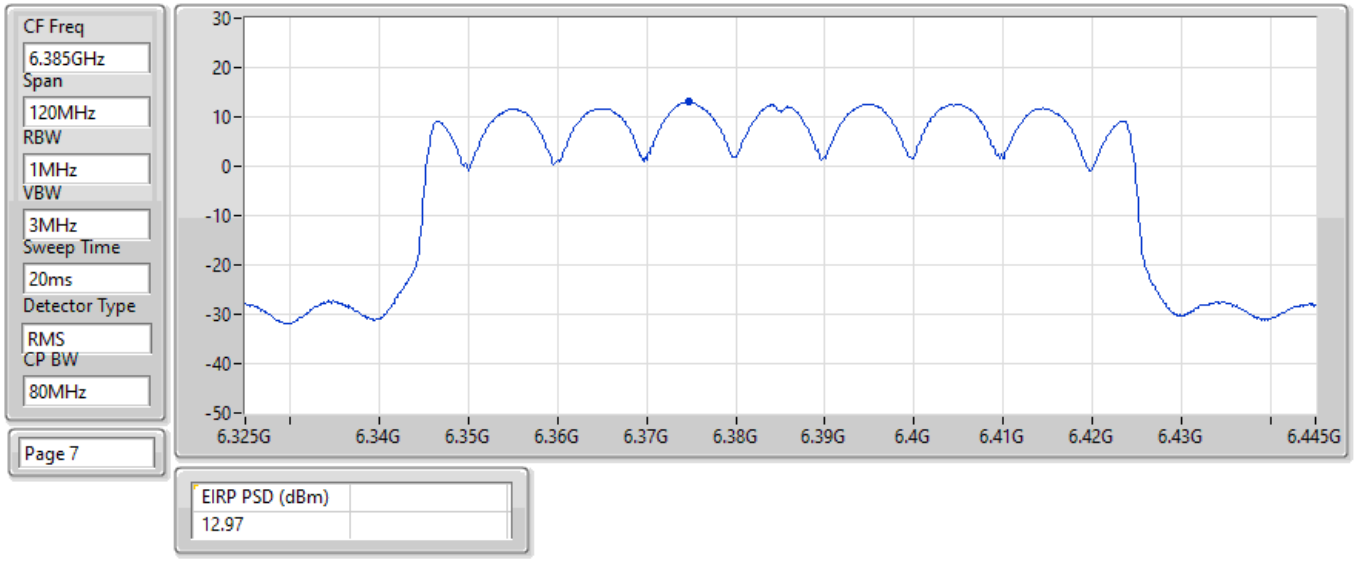


EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:5985MHz;TX

EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6225MHz;TX



EIRP PSD;Band:6.2G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6385MHz;TX



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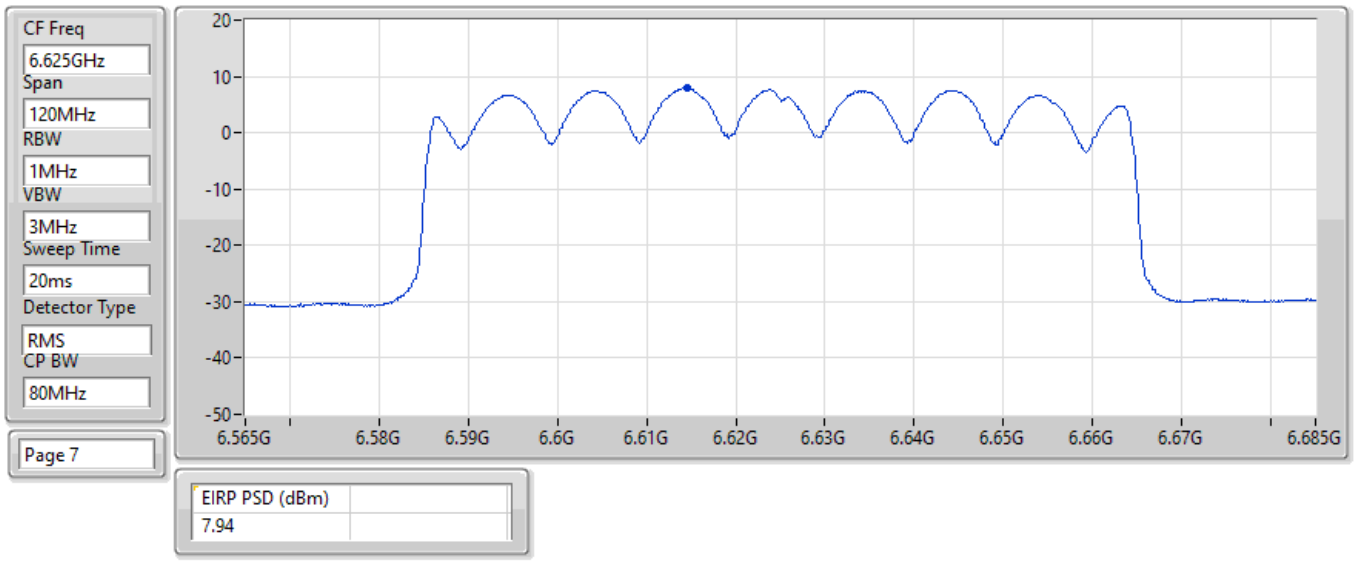
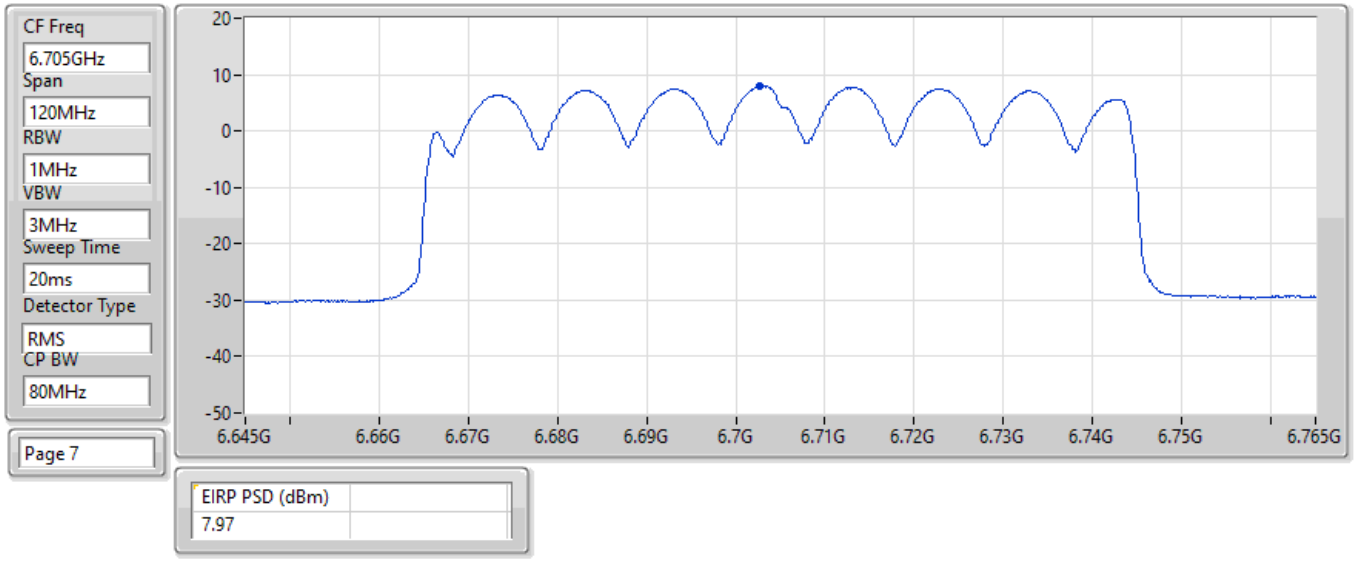
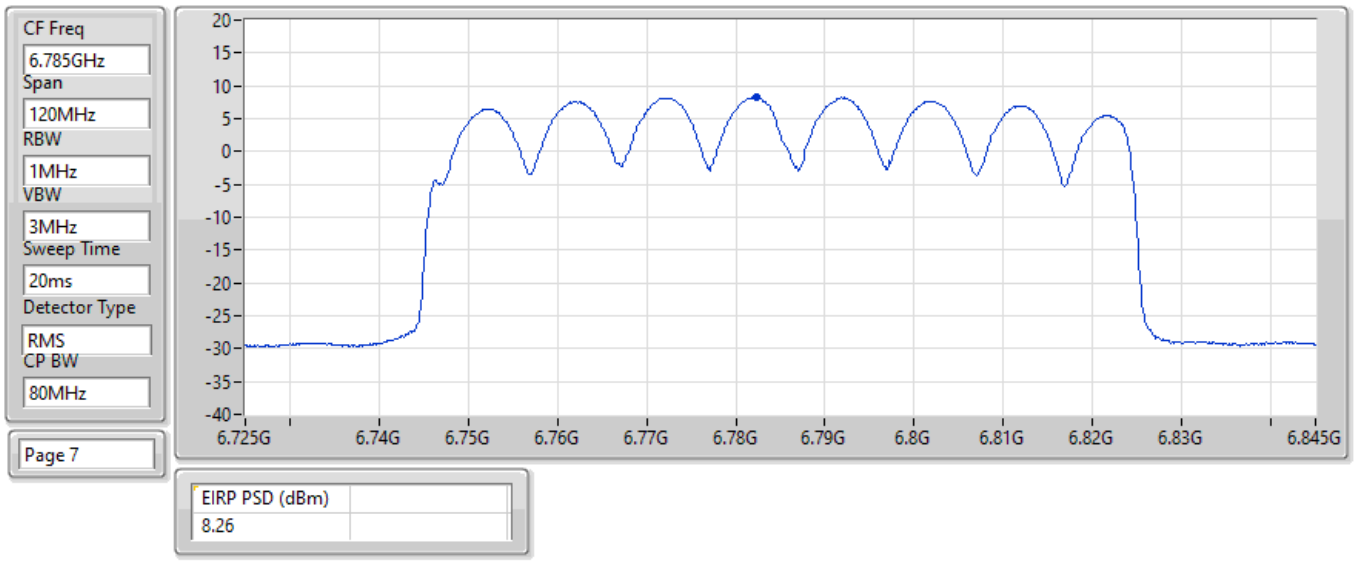


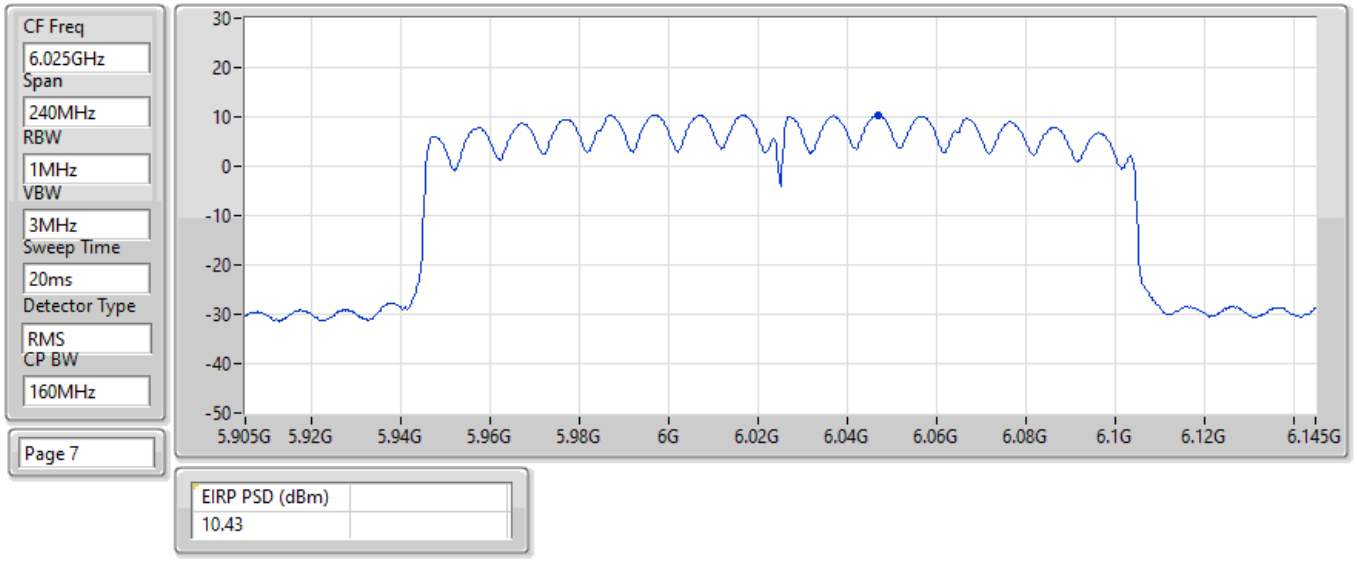
EIRP PSD;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6705MHz;TX



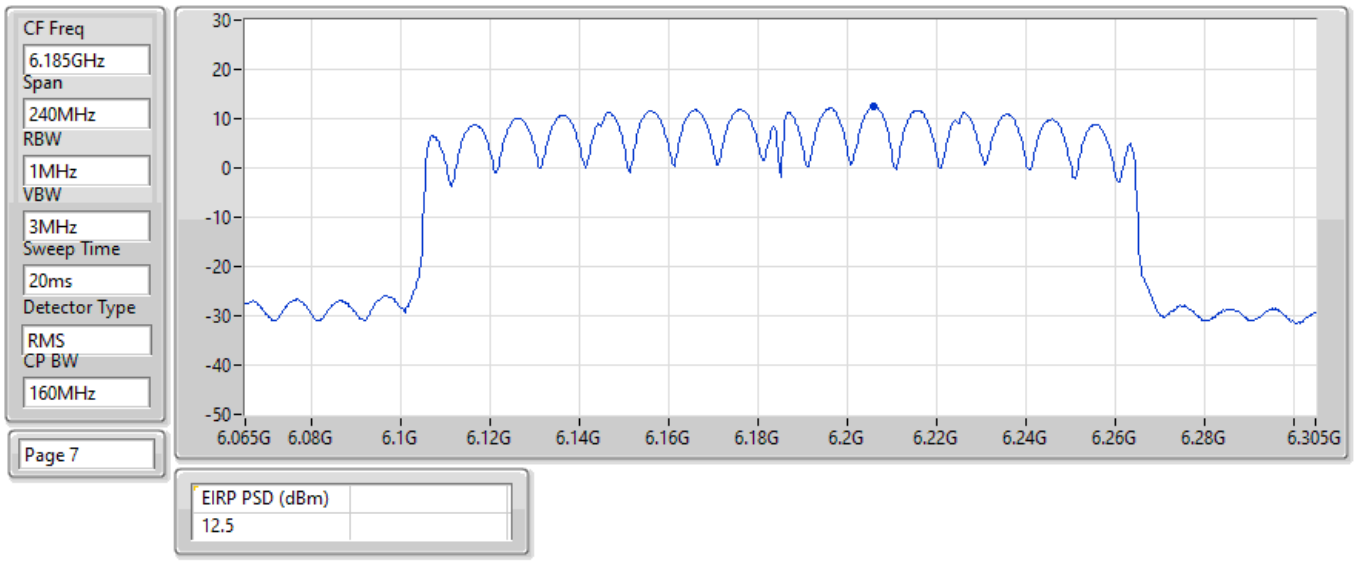
EIRP PSD;Band:6.7G;ax80;BWch:80MHz;Nss:1,(M0);Nant:2;Ch:6785MHz;TX



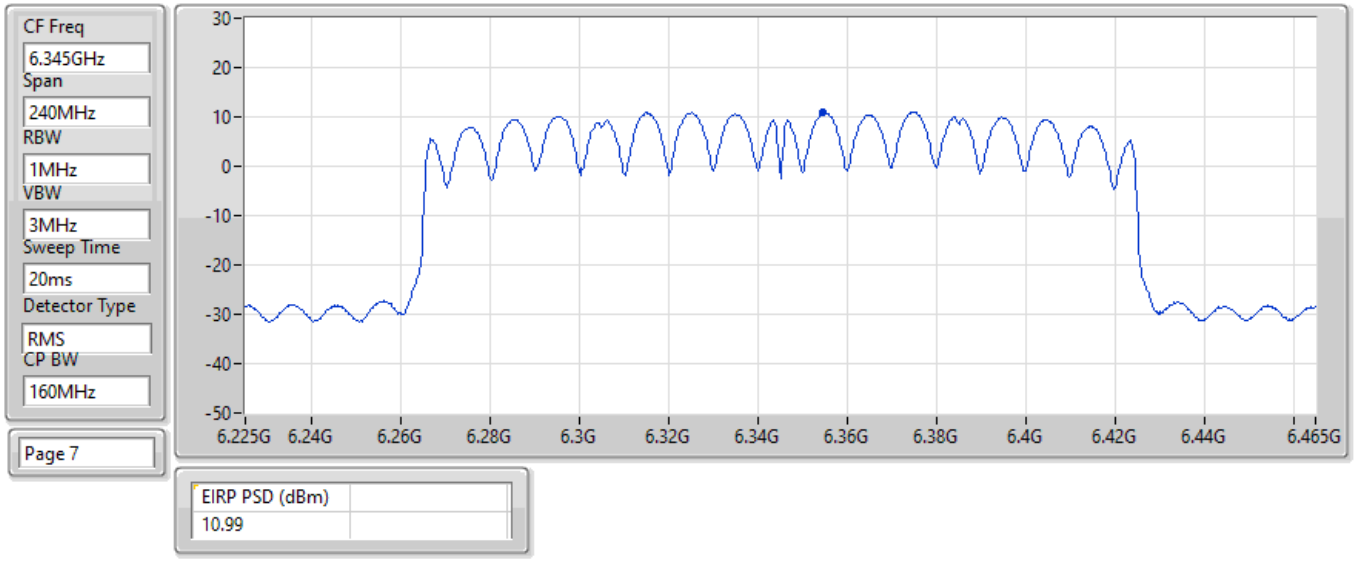
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6025MHz;TX



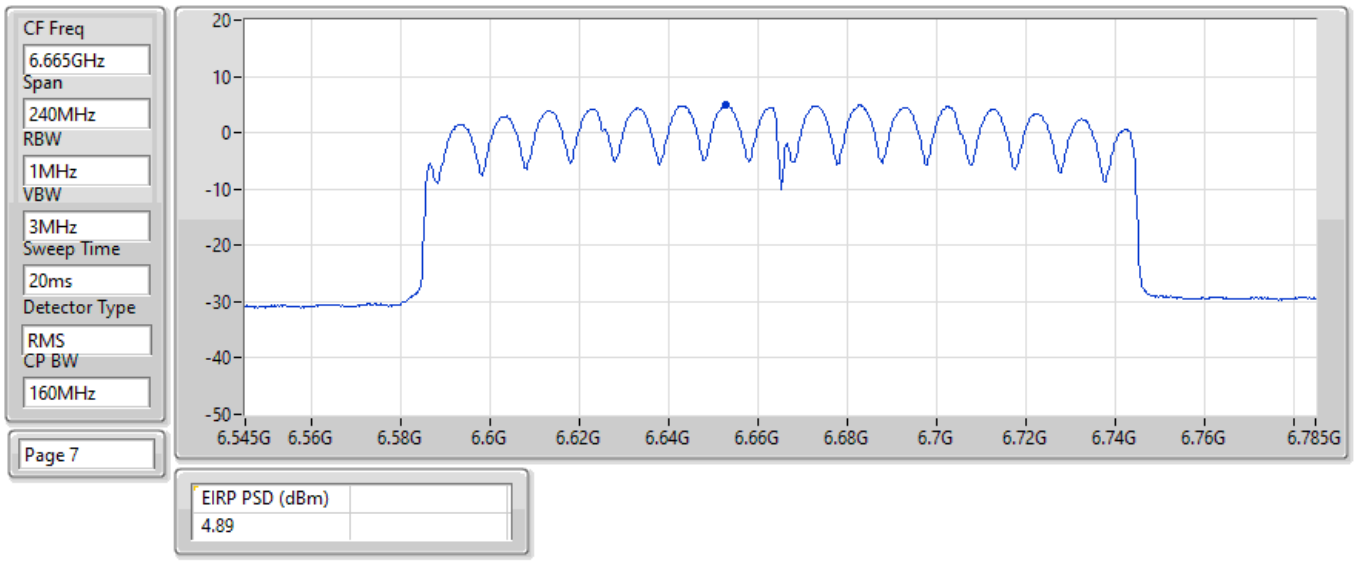
EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6185MHz;TX



EIRP PSD;Band:6.2G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6345MHz;TX



EIRP PSD;Band:6.7G;ax160;BWch:160MHz;Nss:1,(M0);Nant:2;Ch:6665MHz;TX



Summary

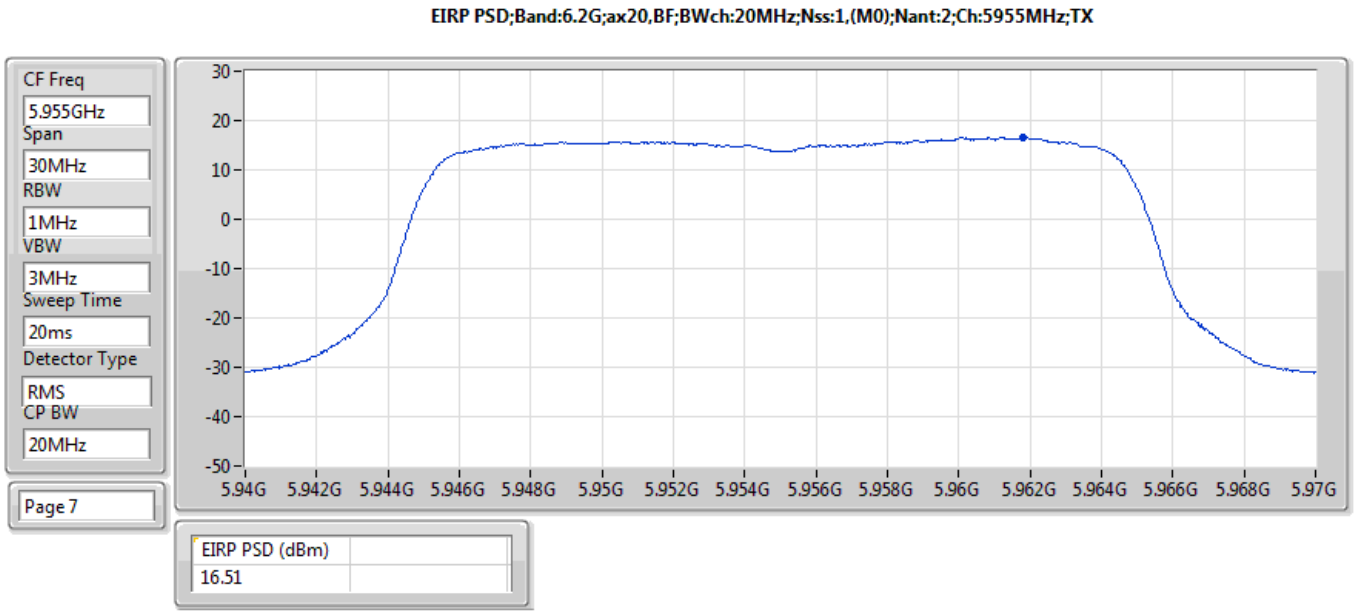
Mode	EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.58
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	16.45
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	13.03
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	8.51
6.525-6.875GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	14.86
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	11.71
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	8.57
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	0.52

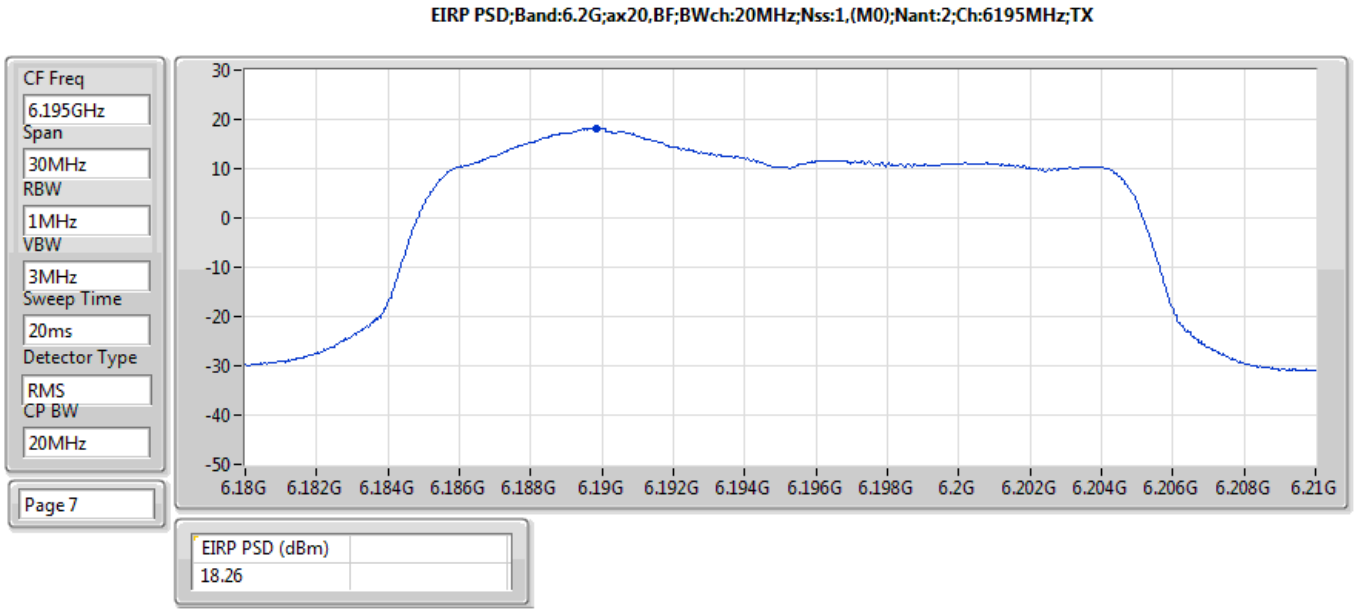
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

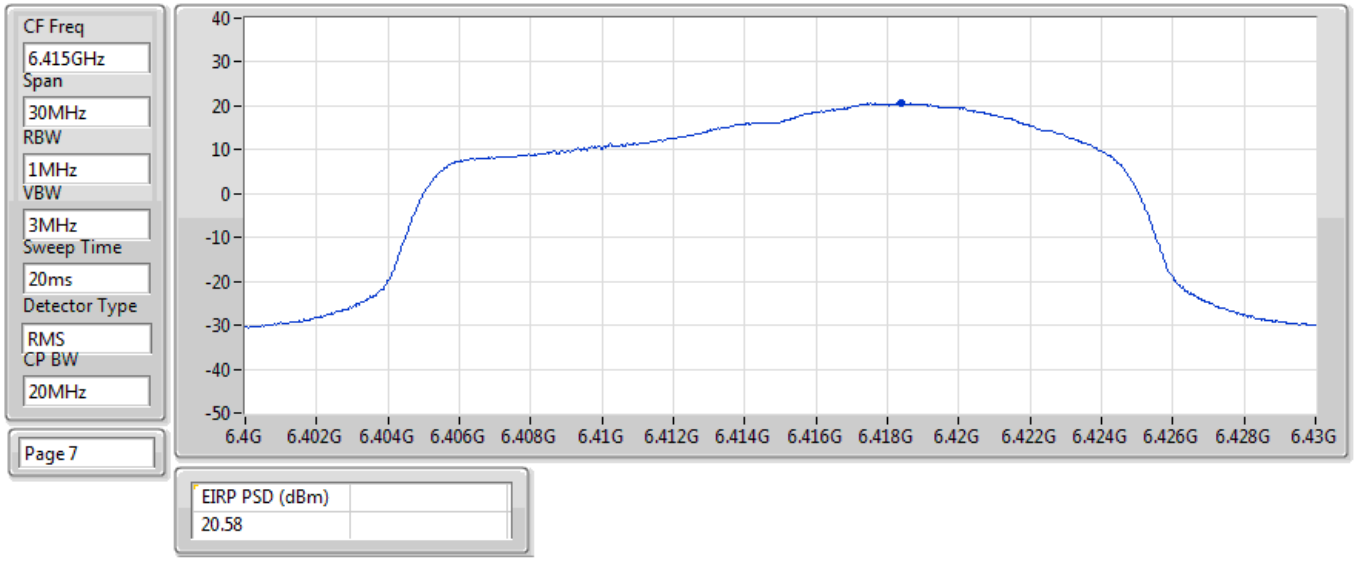
Mode	Result	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	16.51	23.00
6195MHz	Pass	18.26	23.00
6415MHz	Pass	20.58	23.00
6535MHz	Pass	13.24	23.00
6695MHz	Pass	14.86	23.00
6855MHz Straddle 6.525-6.875GHz	Pass	12.35	23.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	13.97	23.00
6205MHz	Pass	14.66	23.00
6405MHz	Pass	16.45	23.00
6565MHz	Pass	9.37	23.00
6685MHz	Pass	11.71	23.00
6845MHz Straddle 6.525-6.875GHz	Pass	10.37	23.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	9.34	23.00
6225MHz	Pass	10.31	23.00
6385MHz	Pass	13.03	23.00
6625MHz	Pass	7.49	23.00
6705MHz	Pass	7.72	23.00
6785MHz	Pass	8.57	23.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	8.02	23.00
6185MHz	Pass	8.51	23.00
6345MHz	Pass	3.65	23.00
6665MHz	Pass	0.52	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;


EIRP PSD;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:5955MHz;TX
CF Freq
5.955GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz
Page 7
30
20
10
0
-10
-20
-30
-40
-50
5.94G 5.942G 5.944G 5.946G 5.948G 5.95G 5.952G 5.954G 5.956G 5.958G 5.96G 5.962G 5.964G 5.966G 5.968G 5.97G
EIRP PSD (dBm)
16.51


EIRP PSD;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6195MHz;TX
CF Freq
6.195GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
20ms
Detector Type
RMS
CP BW
20MHz
Page 7
30
20
10
0
-10
-20
-30
-40
-50
6.18G 6.182G 6.184G 6.186G 6.188G 6.19G 6.192G 6.194G 6.196G 6.198G 6.2G 6.202G 6.204G 6.206G 6.208G 6.21G
EIRP PSD (dBm)
18.26

EIRP PSD;Band:6.2G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6415MHz;TX



EIRP PSD;Band:6.7G;ax20,BF;BWch:20MHz;Nss:1,(M0);Nant:2;Ch:6535MHz;TX