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 Oct. 12, 2023, and testing was started from Oct. 17, 2023 and completed on Nov. 23, 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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Photographs of EUT v01

History of this test report

Report No.	Version	Description	Issued Date
FR340101-03AH	01	Initial issue of report	Mar. 12, 2024
FR340101-03AH	02	Modifying the Maximum Equivalent Isotopically Radiated Power (E.I.R.P.) and Peak Power Spectral Density (E.I.R.P.) test results for UNII 7.	Mar. 15, 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: Wendy Pan

1 General Description

1.1 Information

1.1.1 RF General Information

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

Band	Mode	BWch (MHz)	Nant
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

Set	Ant.	2.4GHz Port	5GHz Port	6GHz Port	Bluetooth/ Zigbee	GPS	Brand	Model Name	Antenna Type	Connector	Remark	Gain (dBi)
1	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	
2	5	1	1	1	-	-	AWAN	A8M6P-100005	PIFA	N-Type	Internal Antenna	
3	6	-	-	-	1	-	AWAN	A8M6P-100003	PIFA	N-Type	Internal Antenna	
4	7	-	-	-	-	1	AWAN	A8M6P-100004	PIFA	N-Type	Internal Antenna	
5	8	-	-	-	-	2	CISCO	CW-ANT-GPS2-S-00	Patch	SMA	External Antenna	
6	9	2	2	-	-	-	CISCO	CW-ANT-D1-NS-00	Patch	N-Type	External Antenna	
	10	1	1	-	-	-	CISCO	CW-ANT-D1-NS-00	Patch	N-Type	External Antenna	
	11	-	-	1	-	-	CISCO	CW-ANT-D1-NS-00	Patch	N-Type	External Antenna	
	12	-	-	2	-	-	CISCO	CW-ANT-D1-NS-00	Patch	N-Type	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
9	8	9	9	9	9	-	-	-	-
10	8	9	9	9	9	-	-	-	-
11	-	-	-	-	-	9	9	-	-
12	-	-	-	-	-	9	9	-	-

Note2: The above information was declared by manufacturer.
Note3: The antenna 9~ 10 is the cross-polarized antenna; it doesn't need to evaluate array gain.
Note4: For radio 1: The EUT can be equipped with antenna set 1 or set 6 for radio 1.

Note5: 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	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$
BF	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$	$Directional Gain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{SS}}\left[\sum_{k=1}^{N_{ANT}} g_{j,k}\right]^2}{N_{ANT}}\right]$

Ex.

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

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

gj,k =(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2

DG = 10 log[(Nss1(g1,1) + Nss1(g1,2) + Nss1(g1,3) + Nss1(g1,4))^2 / N_{ANT}] => 10 log[($10^{G1/20}$ + $10^{G2/20}$ + $10^{G3/20}$ + $10^{G4/20}$)^2 / N_{ANT}]

Where ;

Set 1 Ant. Dipole

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

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

6G G1= 8 dBi ; G2= 8 dBi ;DG= 11.01dBi

Set 6 Ant. Patch Patch (Cross-Polarized Antenna)

2.4G G1= 8.00 dBi ;G2= 8.00 dBi ;

5G UNII-1 G1 = 9.00 dBi; G2 = 9.00 dBi;

5G UNII-2A G1 = 9.00 dBi; G2 = 9.00 dBi;

5G UNII-2C G1 = 9.00 dBi; G2 = 9.00 dBi;

5G UNII-3 G1 = 9.00 dBi; G2 = 9.00 dBi;

2.4G DG = 8.00 dBi

5G UNII-1 DG = 9.00 dBi

5G UNII-2A DG = 9.00 dBi

5G UNII-2C DG = 9.00 dBi

5G UNII-3 DG = 9.00 dBi

Set 6 Ant. Patch

6G G1= 9 dBi ; G2= 9 dBi ;DG= 12.01dBi

<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 + Set 6 Ant.
For 1TX/Port 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.816	0.88	5.452m	300
802.11ax HEW40	0.815	0.89	5.452m	300
802.11ax HEW80	0.811	0.91	5.452m	300
802.11ax HEW160	0.811	0.91	5.452m	300

For 1TX/Port 2

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.816	0.88	5.452m	300
802.11ax HEW40	0.815	0.89	5.452m	300
802.11ax HEW80	0.811	0.91	5.452m	300
802.11ax HEW160	0.811	0.91	5.452m	300

For 2TX

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20	0.816	0.88	5.452m	300
802.11ax HEW20-BF	0.969	0.14	3.441m	300
802.11ax HEW40	0.815	0.89	5.452m	300
802.11ax HEW40-BF	0.937	0.28	3.45m	300
802.11ax HEW80	0.811	0.91	5.452m	300
802.11ax HEW80-BF	0.926	0.33	3.7m	300
802.11ax HEW160	0.811	0.91	5.452m	300
802.11ax HEW160-BF	0.928	0.32	3.894m	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 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.

1.1.7 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.

1.1.8 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR340101-02

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

Modifications	Performance Checking
1. Adding one set antenna (antenna set 6) with different antenna type and higher gain for Radio 1 use only.	All test items
2. Adding a bracket of antenna and used for antenna set 6.	After evaluating, it is not necessary to re-test all test items.

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	Ken Yeh	20.5~21.3 / 63~67	Oct. 17, 2023~Oct. 31, 2023
				Mar. 13, 2024~Mar.14, 2024
Radiated below 1GHz	03CH01-CB	Jackson Peng	21.2-22.3 / 56-59	Oct. 17, 2023~Nov.17, 2023
Radiated (E.I.R.P. Power/PSD/above 1GHz)	03CH01-CB	Jackson Peng	21.2-22.3 / 56-59	Oct. 17, 2023~Nov.17, 2023
	03CH02-CB		22.2-23.3 / 56-59	
	03CH04-CB		23-24 / 56-59	
AC Conduction	CO01-CB	Joe Chu	22~23 / 54~55	Nov. 23, 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 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 + Set 6 Ant.
For 1TX/Port 1:

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	26.5
6195MHz	27
6415MHz	26.5
6535MHz	24.5
6695MHz	24.5
6855MHz	24.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	23
6205MHz	26
6405MHz	26
6565MHz	24.5
6685MHz	24
6845MHz	24.5
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	23
6225MHz	26
6385MHz	26
6625MHz	24.5
6705MHz	24.5
6785MHz	24.5
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	23.5
6185MHz	26
6345MHz	25.5
6665MHz	24

For 1TX/Port 2:

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_1TX	-
5955MHz	26
6195MHz	28
6415MHz	27
6535MHz	26
6695MHz	26
6855MHz	27
802.11ax HEW40_Nss1,(MCS0)_1TX	-
5965MHz	22.5
6205MHz	28
6405MHz	26
6565MHz	25
6685MHz	26
6845MHz	26
802.11ax HEW80_Nss1,(MCS0)_1TX	-
5985MHz	23
6225MHz	28
6385MHz	26
6625MHz	26
6705MHz	26
6785MHz	26
802.11ax HEW160_Nss1,(MCS0)_1TX	-
6025MHz	23
6185MHz	28
6345MHz	25.5
6665MHz	26

For 2TX:

Mode	Power Setting
802.11ax HEW20_Nss1,(MCS0)_2TX	-
5955MHz	23.5
6195MHz	23.5
6415MHz	23.5
6535MHz	22
6695MHz	22
6855MHz	22
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
5955MHz	24
6195MHz	24
6415MHz	24
6535MHz	23
6695MHz	23
6855MHz	23
802.11ax HEW40_Nss1,(MCS0)_2TX	-
5965MHz	22
6205MHz	23.5
6405MHz	23.5
6565MHz	22
6685MHz	22
6845MHz	22
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
5965MHz	24
6205MHz	24
6405MHz	24
6565MHz	23
6685MHz	23
6845MHz	22
802.11ax HEW80_Nss1,(MCS0)_2TX	-
5985MHz	22
6225MHz	23.5
6385MHz	23.5
6625MHz	22
6705MHz	22
6785MHz	22
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-
5985MHz	24
6225MHz	24

Mode	Power Setting
6385MHz	24
6625MHz	22
6705MHz	23
6785MHz	23
802.11ax HEW160_Nss1,(MCS0)_2TX	-
6025MHz	22.5
6185MHz	23.5
6345MHz	23.5
6665MHz	22
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-
6025MHz	24
6185MHz	24
6345MHz	24
6665MHz	23

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1. The EUT powered by PoE 1~5, and “PoE 3” has been evaluated to be the worst case. Thus, the measurement will follow this same test mode. 2. There are EUT 1 and EUT 2, and “EUT 1” has been evaluated to be the worst case. Thus, the measurement will follow this same test mode.	
1	EUT 1 + Radio 1 (2.4GHz) + PoE 3 + Set 6 Ant.
2	EUT 1 + Radio 1 (5GHz) + PoE 3 + Set 6 Ant.
3	EUT 1 + Radio 1 (6GHz) + PoE 3 + Set 6 Ant.
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 + Set 6 Ant.

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 + Radio 1 + Set 6 Ant.

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 powered by PoE 1~5, and “PoE 5” has been evaluated to be the worst case. Thus, the measurement will follow this same test mode. 3. There are EUT 1 and EUT 2, and “EUT 1” has been evaluated to be the worst case. Thus, the measurement will follow this same test mode.	
1	EUT 1 in Y axis + Radio 1 (2.4GHz) + PoE 5 + Set 6 Ant.
2	EUT 1 in Y axis + Radio 1 (5GHz) + PoE 5 + Set 6 Ant.
3	EUT 1 in Y axis + Radio 1 (6GHz) + PoE 5 + Set 6 Ant.
For operating mode 3 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 + Set 6 Ant.

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 + Set 1 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 2.4GHz) + Radio 3 (Bluetooth) + Set 3 Ant.
2	Radio 1 + Set 1 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 5GHz) + Radio 3 (Bluetooth) + Set 3 Ant.
3	Radio 1 + Set 1 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 6Hz) + Radio 3 (Bluetooth) + Set 3 Ant.
4	Radio 1 + Set 1 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 2.4GHz) + Radio 3 (Zigbee) + Set 3 Ant.
5	Radio 1 + Set 1 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 5GHz) + Radio 3 (Zigbee) + Set 3 Ant.
6	Radio 1 + Set 1 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 6Hz) + Radio 3 (Zigbee) + Set 3 Ant.
7	Radio 1 + Set 6 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 2.4GHz) + Radio 3 (Bluetooth) + Set 3 Ant.
8	Radio 1 + Set 6 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 5GHz) + Radio 3 (Bluetooth) + Set 3 Ant.
9	Radio 1 + Set 6 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 6Hz) + Radio 3 (Bluetooth) + Set 3 Ant.
10	Radio 1 + Set 6 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 2.4GHz) + Radio 3 (Zigbee) + Set 3 Ant.
11	Radio 1 + Set 6 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 5GHz) + Radio 3 (Zigbee) + Set 3 Ant.
12	Radio 1 + Set 6 Ant. (WLAN 2.4GHz+5GHz+6GHz) + Scanning Radio 2 Set 2 Ant. (WLAN 6Hz) + Radio 3 (Zigbee) + Set 3 Ant.
Refer to Sporton Test Report No.: FA340101-03 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%.

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
Bracket of antenna	Cisco	CW-WNT-ART2	Used for Ant.9~12

2.5 Support Equipment

For AC Conduction:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	LAN NB	DELL	E6430	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:

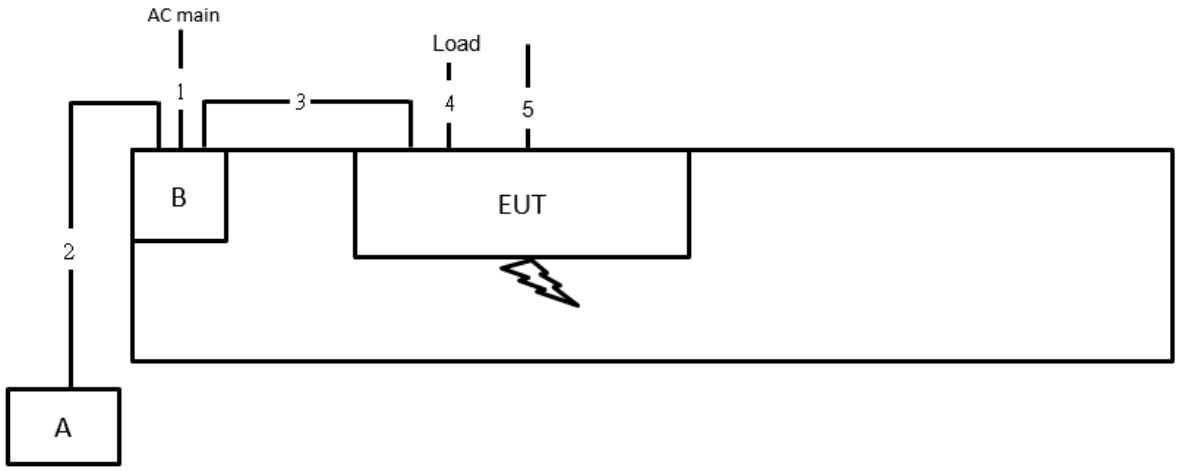
Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	PoE 5	Cisco	POEO75U-1BT	N/A
B	NB	DELL	E6430	N/A
C	NB	DELL	E6430	N/A
D	WLAN module	Intel	AX210NGW	N/A

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

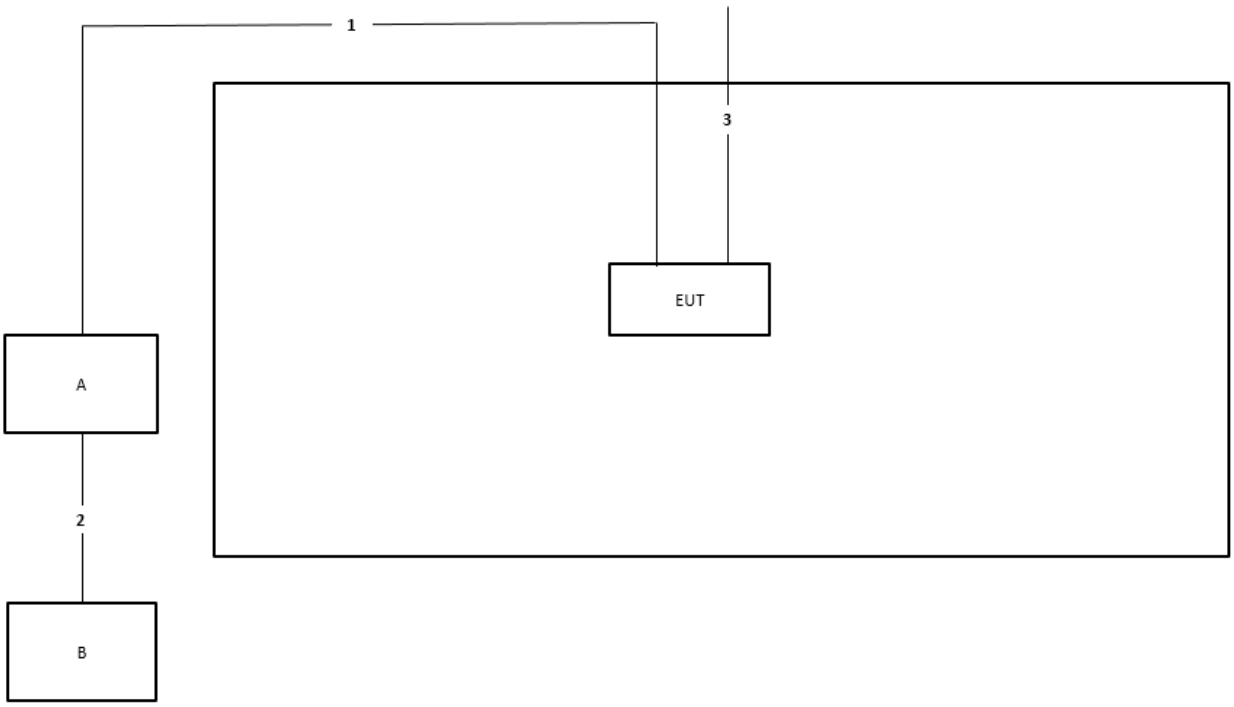
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



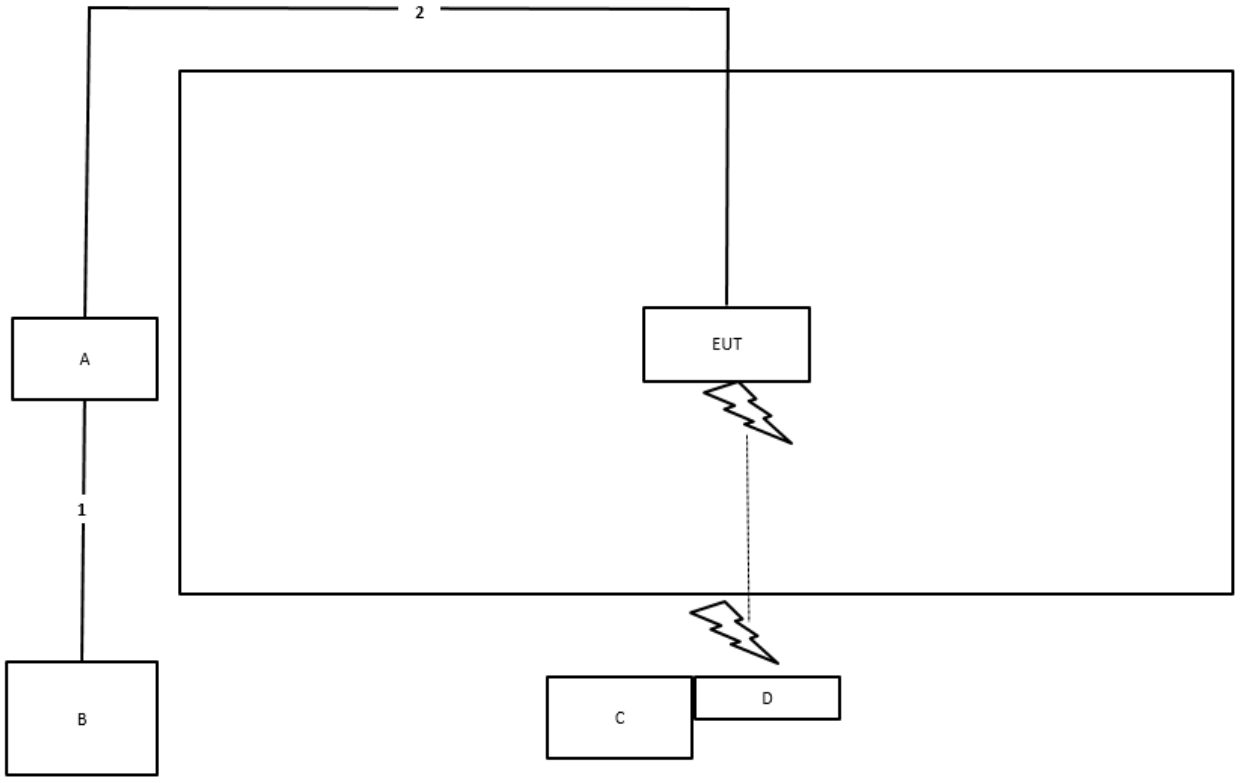
Item	Connection	Shielded	Length
1	Power cable	No	1.8m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1m
4	Console cable	No	1.8m
5	GND cable	No	1.5m

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	1m

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

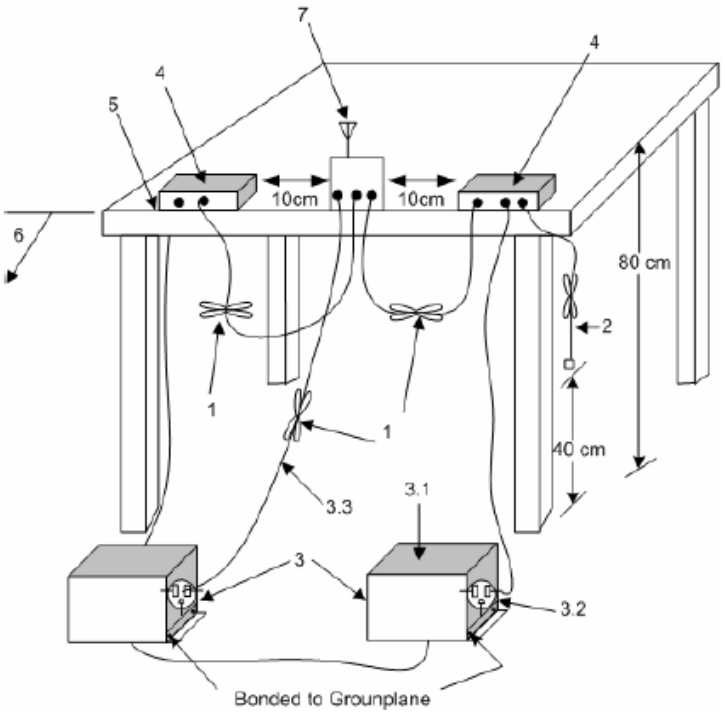
Refer a test equipment and calibration data table in this test report.

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

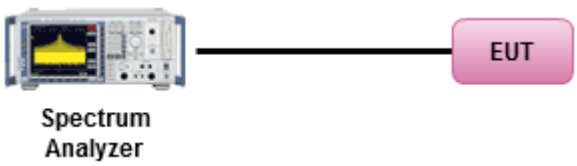
Refer a test equipment and calibration data table in this test report.

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
	☒ Refer as FCC KDB 789033 D02, clause E Method SA-2 (spectral trace averaging). For E.I.R.P. Power 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
	☒ Refer as FCC KDB 789033 D02, clause E Method PM-G (using an RF average power meter). For E.I.R.P. at any elevation angle above 30 degrees
☒	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.

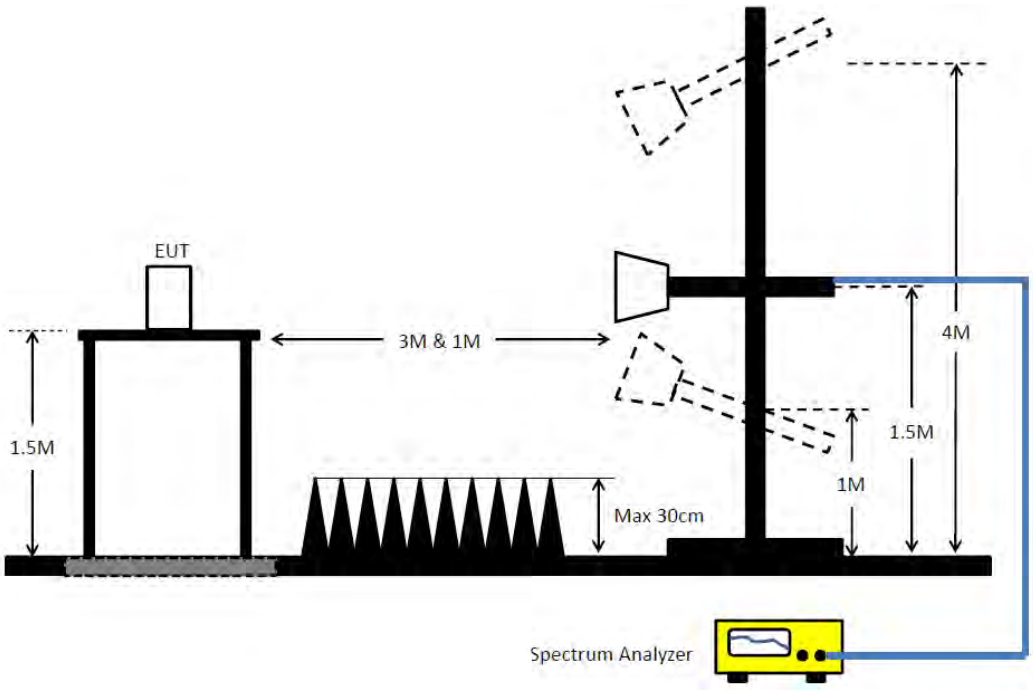
3.3.4 Test Setup

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.

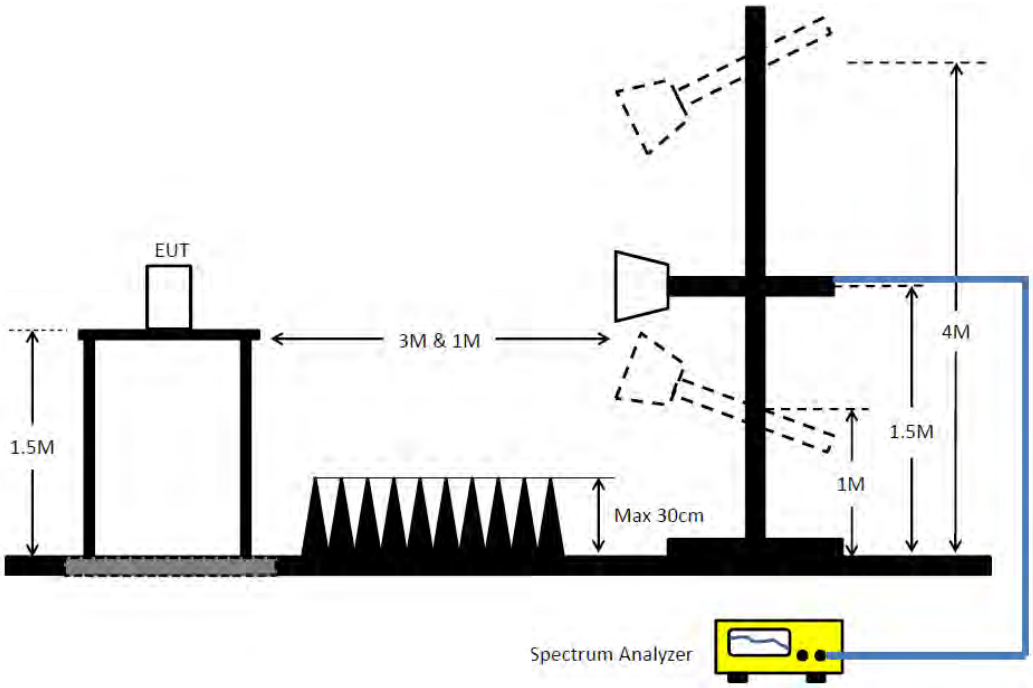
3.4.3 Test Procedures

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.

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

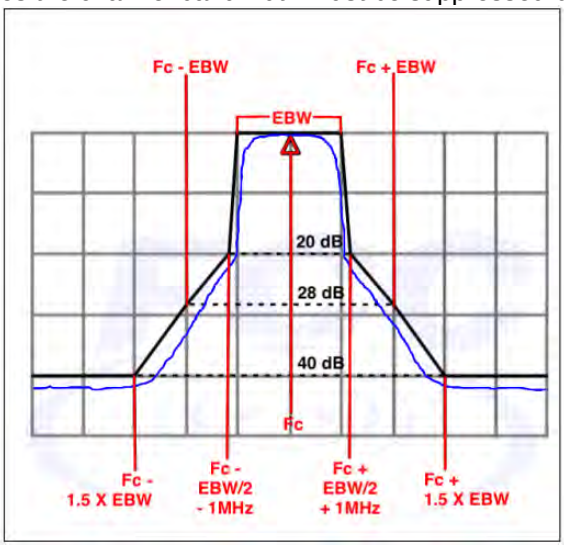
Unwanted emissions below 1 GHz and restricted band emissions above 1GHz limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216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

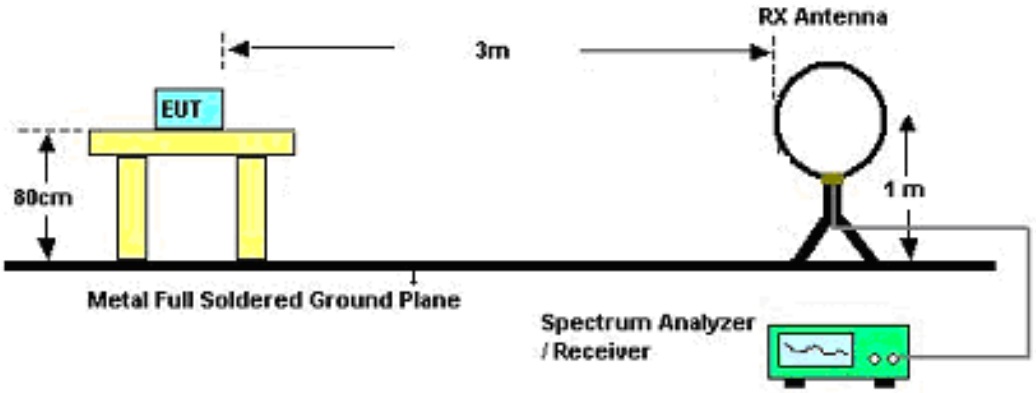
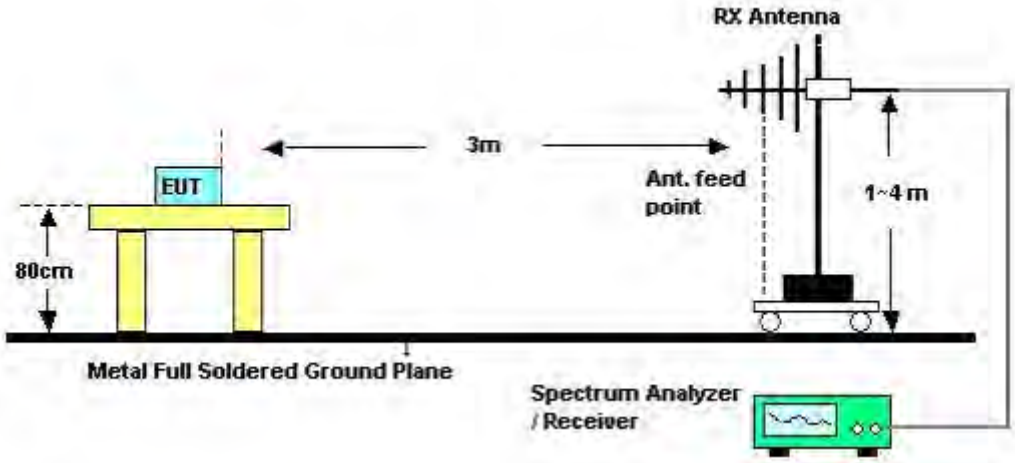
3.5.2 Measuring Instruments

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

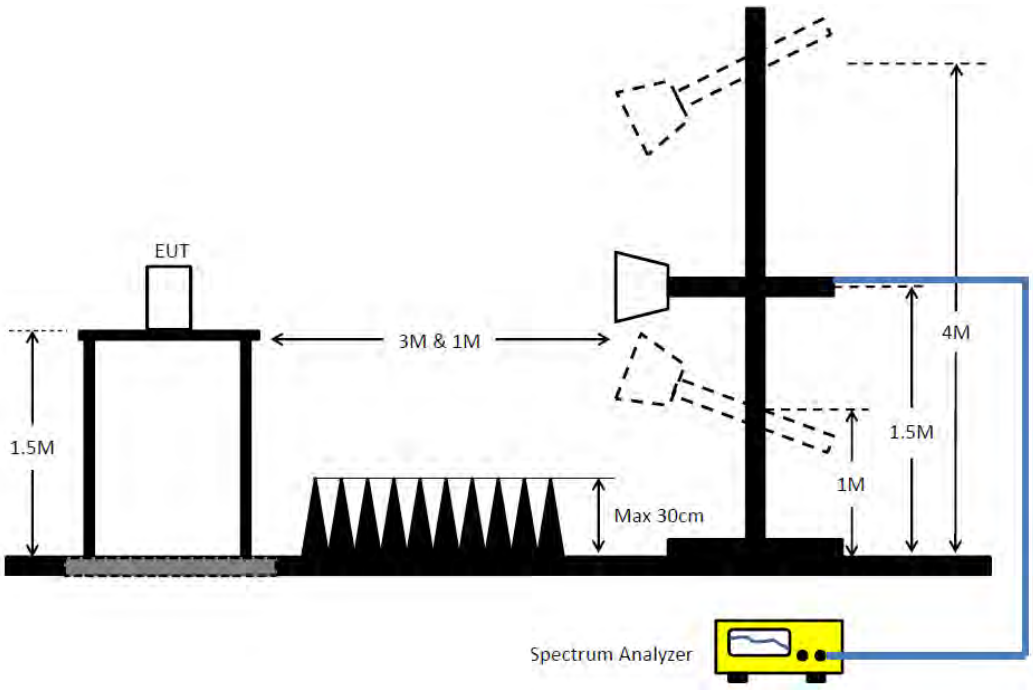
3.5.3 Test Procedures

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



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
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.4GHz	Feb. 20, 2023	Feb. 19, 2024	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Feb. 16, 2023	Feb. 15, 2024	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Apr. 27, 2023	Apr. 26, 2024	Conduction (CO01-CB)
Pulse Limiter	Rohde&Schwarz	ESH3-Z2	100430	9kHz ~ 30MHz	Feb. 09, 2023	Feb. 08, 2024	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	Oct. 17, 2023	Oct. 16, 2024	Conduction (CO01-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6121	65417	9kHz - 30 MHz	Oct. 13, 2023	Oct. 12, 2024	Radiation (03CH01-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 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	ETS-LINDGREN	3115	00075790	750MHz ~ 18GHz	Oct. 30, 2023	Oct. 29, 2024	Radiation (03CH01-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	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 18, 2023	May 17, 2024	Radiation (03CH01-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	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. 13, 2023	Jun. 12, 2024	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-16+17	30 MHz ~ 1 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
RF Cable-low	Woken	RG402	Low Cable-31+32	30 MHz ~ 1 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
RF Cable-high	Woken	RG402	High Cable-16+17	1 GHz ~ 18 GHz	Nov. 06, 2023	Nov. 05, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH01-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	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. 18, 2023	Apr. 17, 2024	Radiation (03CH02-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	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)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	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	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 03, 2022	Oct. 02, 2023	Radiation (03CH02-CB)
RF Cable-high	Woken	RG402	High Cable-18+19	1GHz ~ 18GHz	Oct. 02, 2023	Oct. 01, 2024	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+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Dec. 07, 2022	Dec. 06, 2023	Radiation (03CH02-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH02-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH02-CB)
3m Semi Anechoic Chamber VSWR	TDK	SAC-3M	03CH04-CB	1GHz ~18GHz 3m	Feb. 23, 2023	Feb. 22, 2024	Radiation (03CH04-CB)
Horn Antenna	ETS·Lindgren	3115	00143147	750MHz~ 18GHz	Oct. 04, 2023	Oct. 03, 2024	Radiation (03CH04-CB)
Horn Antenna	Schwarzbeck	BBHA 9170	BBHA9170252	15GHz ~ 40GHz	Sep. 04, 2023	Sep. 03, 2024	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Jun. 30, 2023	Jun. 29, 2024	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20221107-3	18GHz ~ 40GHz	Nov. 16, 2022	Nov. 15, 2023	Radiation (03CH04-CB)
Pre-Amplifier	SGH	SGH184	20230109-3	18~40GHz	Jan. 13, 2023	Jan. 12, 2024	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Mar. 21, 2023	Mar. 20, 2024	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+67	1GHz - 18GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5+6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#5	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
High Cable	Woken	WCA0929M	40G#6	1GHz ~ 40 GHz	Oct. 02, 2023	Oct. 01, 2024	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Radiation (03CH04-CB)
Signal Analyzer	R&S	FSV40	101904	9kHz ~ 40GHz	Apr. 21, 2023	Apr. 20, 2024	Conducted (TH01-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	May 29, 2023	May 28, 2024	Conducted (TH01-CB)
Switch	SPTCB	SP-SWI	SWI-01	1~26.5 GHz	Oct. 03, 2023	Oct. 02, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)

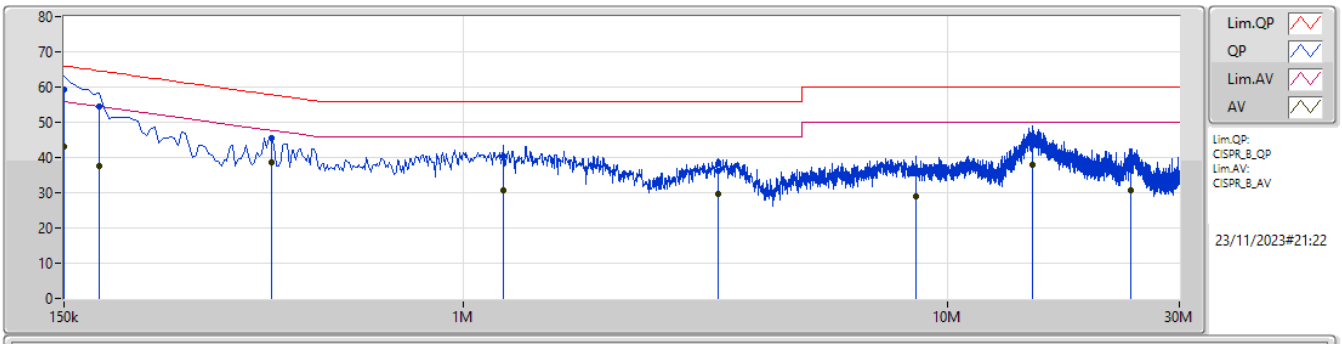
Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-09	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-30	1 GHz – 18 GHz	Oct. 02, 2023	Oct. 01, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Mar. 01, 2024	Feb. 28, 2025	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Feb. 22, 2023	Feb. 21, 2024	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Mar. 04, 2024	Mar. 03, 2025	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

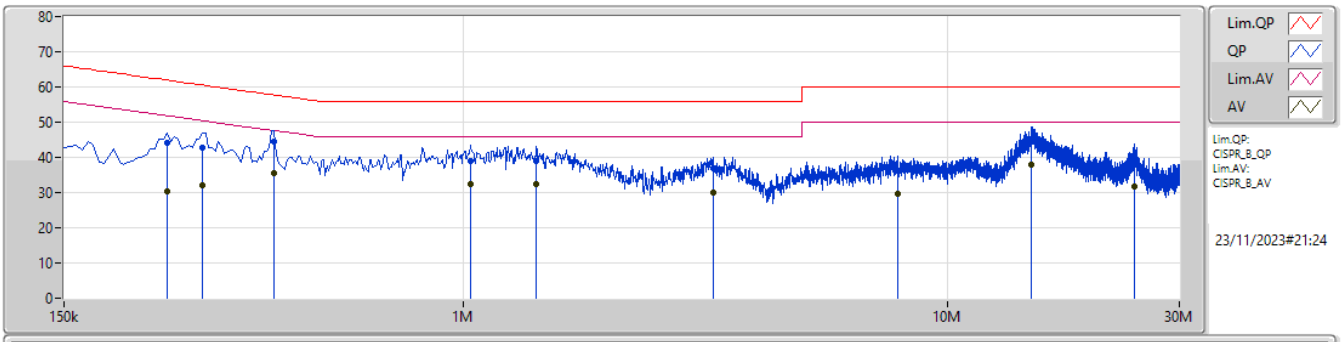
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	150k	59.21	66.00	-6.79	Line

Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	59.21	66.00	-6.79	9.98	Line	"Worst"	49.23	0.09	0.02	9.87
AV	150k	43.24	56.00	-12.76	9.98	Line	-	33.26	0.09	0.02	9.87
QP	177k	54.36	64.62	-10.26	9.97	Line	-	44.39	0.08	0.02	9.87
AV	177k	37.60	54.62	-17.02	9.97	Line	-	27.63	0.08	0.02	9.87
QP	402k	45.36	57.82	-12.46	10.01	Line	-	35.35	0.09	0.02	9.90
AV	402k	38.56	47.82	-9.26	10.01	Line	-	28.55	0.09	0.02	9.90
QP	1.208M	40.40	56.00	-15.60	10.05	Line	-	30.35	0.12	0.03	9.90
AV	1.208M	30.82	46.00	-15.18	10.05	Line	-	20.77	0.12	0.03	9.90
QP	3.363M	36.25	56.00	-19.75	10.19	Line	-	26.06	0.16	0.12	9.91
AV	3.363M	29.73	46.00	-16.27	10.19	Line	-	19.54	0.16	0.12	9.91
QP	8.61M	35.40	60.00	-24.60	10.32	Line	-	25.08	0.24	0.14	9.94
AV	8.61M	28.86	50.00	-21.14	10.32	Line	-	18.54	0.24	0.14	9.94
QP	14.951M	44.85	60.00	-15.15	10.44	Line	-	34.41	0.28	0.18	9.98
AV	14.951M	38.09	50.00	-11.91	10.44	Line	-	27.65	0.28	0.18	9.98
QP	23.888M	37.51	60.00	-22.49	10.59	Line	-	26.92	0.31	0.24	10.04
AV	23.888M	30.82	50.00	-19.18	10.59	Line	-	20.23	0.31	0.24	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	244.5k	44.25	61.95	-17.70	9.96	Neutral	-	34.29	0.07	0.02	9.87
AV	244.5k	30.29	51.95	-21.66	9.96	Neutral	-	20.33	0.07	0.02	9.87
QP	289.5k	42.69	60.53	-17.84	9.97	Neutral	-	32.72	0.07	0.02	9.88
AV	289.5k	31.98	50.53	-18.55	9.97	Neutral	-	22.01	0.07	0.02	9.88
QP	406.5k	44.46	57.72	-13.26	9.99	Neutral	-	34.47	0.07	0.02	9.90
AV	406.5k	35.66	47.72	-12.06	9.99	Neutral	"Worst"	25.67	0.07	0.02	9.90
QP	1.032M	38.88	56.00	-17.12	9.99	Neutral	-	28.89	0.08	0.01	9.90
AV	1.032M	32.39	46.00	-13.61	9.99	Neutral	-	22.40	0.08	0.01	9.90
QP	1.415M	38.86	56.00	-17.14	10.03	Neutral	-	28.83	0.09	0.04	9.90
AV	1.415M	32.55	46.00	-13.45	10.03	Neutral	-	22.52	0.09	0.04	9.90
QP	3.273M	36.93	56.00	-19.07	10.15	Neutral	-	26.78	0.12	0.12	9.91
AV	3.273M	29.89	46.00	-16.11	10.15	Neutral	-	19.74	0.12	0.12	9.91
QP	7.881M	36.15	60.00	-23.85	10.27	Neutral	-	25.88	0.20	0.14	9.93
AV	7.881M	29.82	50.00	-20.18	10.27	Neutral	-	19.55	0.20	0.14	9.93
QP	14.838M	44.70	60.00	-15.30	10.42	Neutral	-	34.28	0.26	0.18	9.98
AV	14.838M	37.93	50.00	-12.07	10.42	Neutral	-	27.51	0.26	0.18	9.98
QP	24.212M	38.43	60.00	-21.57	10.62	Neutral	-	27.81	0.34	0.24	10.04
AV	24.212M	31.61	50.00	-18.39	10.62	Neutral	-	20.99	0.34	0.24	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	42.845M	24.068M	24M1D1D	35.53M	20.381M
802.11ax HEW40_Nss1,(MCS0)_1TX	75.57M	39.005M	39M0D1D	42.02M	37.774M
802.11ax HEW80_Nss1,(MCS0)_1TX	158.18M	79.042M	79M0D1D	80.96M	77.136M
802.11ax HEW160_Nss1,(MCS0)_1TX	315.04M	169.63M	170MD1D	161.48M	155.244M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	25.685M	18.986M	19M0D1D	20.625M	18.95M
802.11ax HEW40_Nss1,(MCS0)_1TX	39.49M	37.804M	37M8D1D	39.27M	37.697M
802.11ax HEW80_Nss1,(MCS0)_1TX	98.78M	77.437M	77M4D1D	82.28M	77.276M
802.11ax HEW160_Nss1,(MCS0)_1TX	162.36M	155.544M	156MD1D	162.36M	155.544M

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

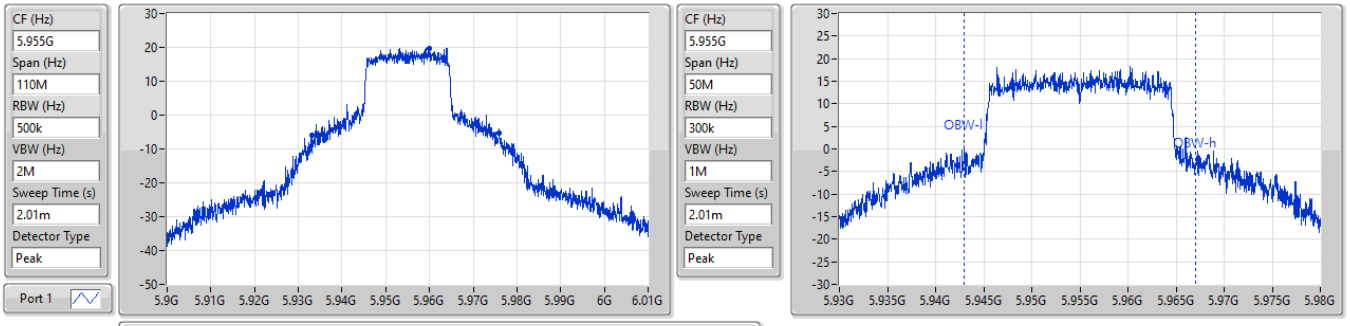
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	42.845M	24.068M
6195MHz	Pass	Inf	42.24M	20.72M
6415MHz	Pass	Inf	35.53M	20.381M
6535MHz	Pass	Inf	21.615M	18.95M
6695MHz	Pass	Inf	25.685M	18.986M
6855MHz	Pass	Inf	20.625M	18.958M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5965MHz	Pass	Inf	42.02M	37.774M
6205MHz	Pass	Inf	74.58M	39.005M
6405MHz	Pass	Inf	75.57M	38.39M
6565MHz	Pass	Inf	39.27M	37.697M
6685MHz	Pass	Inf	39.27M	37.744M
6845MHz	Pass	Inf	39.49M	37.804M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5985MHz	Pass	Inf	80.96M	77.136M
6225MHz	Pass	Inf	135.08M	78.918M
6385MHz	Pass	Inf	158.18M	79.042M
6625MHz	Pass	Inf	82.94M	77.408M
6705MHz	Pass	Inf	98.78M	77.437M
6785MHz	Pass	Inf	82.28M	77.276M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
6025MHz	Pass	Inf	161.48M	155.244M
6185MHz	Pass	Inf	315.04M	169.63M
6345MHz	Pass	Inf	282.48M	159.561M
6665MHz	Pass	Inf	162.36M	155.544M

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

27/10/2023

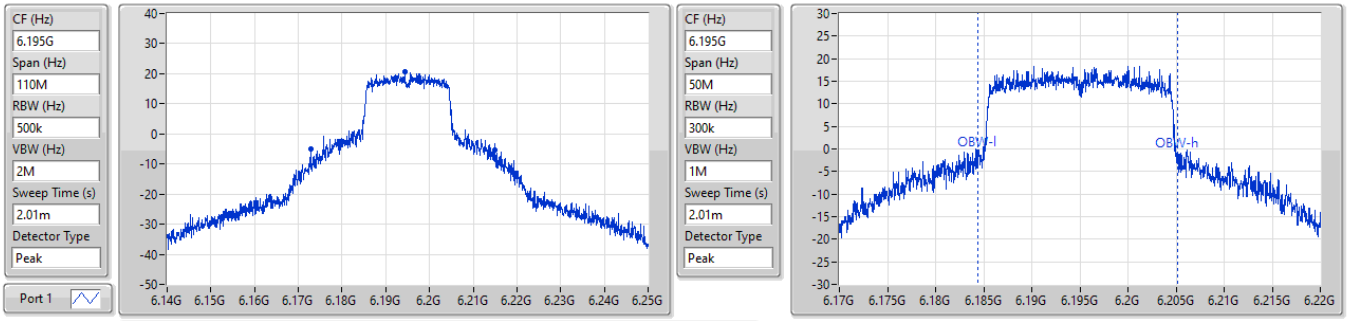


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.845M	5.933165G	5.97601G	24.068M	5.942985G	5.967052G	Inf	1

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

6195MHz

27/10/2023

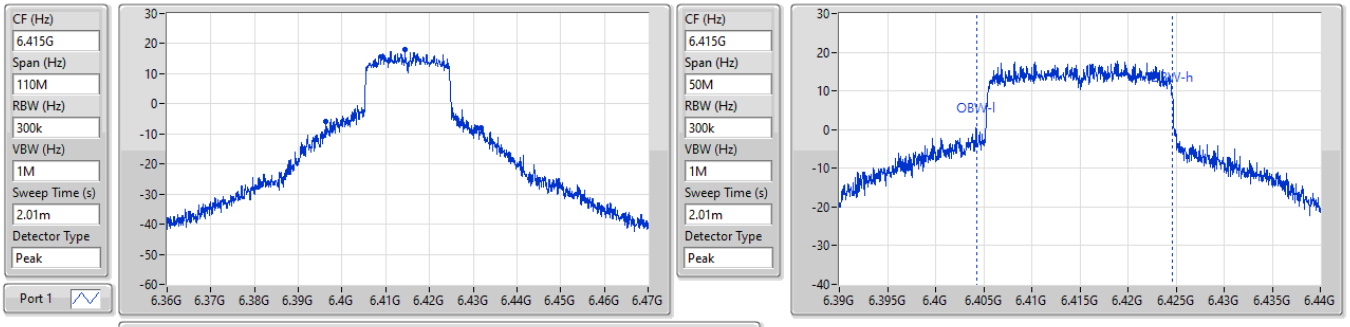


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.24M	6.17278G	6.21502G	20.72M	6.184401G	6.205121G	Inf	1

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

6415MHz

27/10/2023

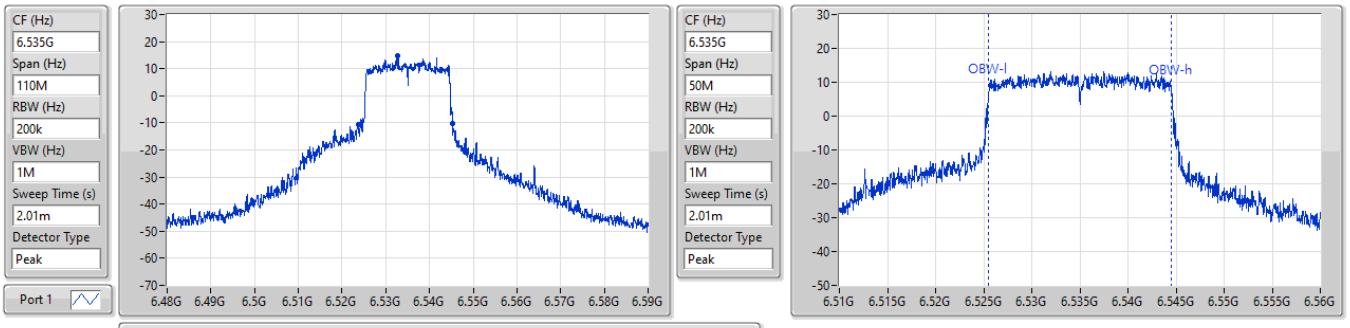


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.53M	6.3963G	6.43183G	20.381M	6.404256G	6.424637G	Inf	1

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

6535MHz

27/10/2023

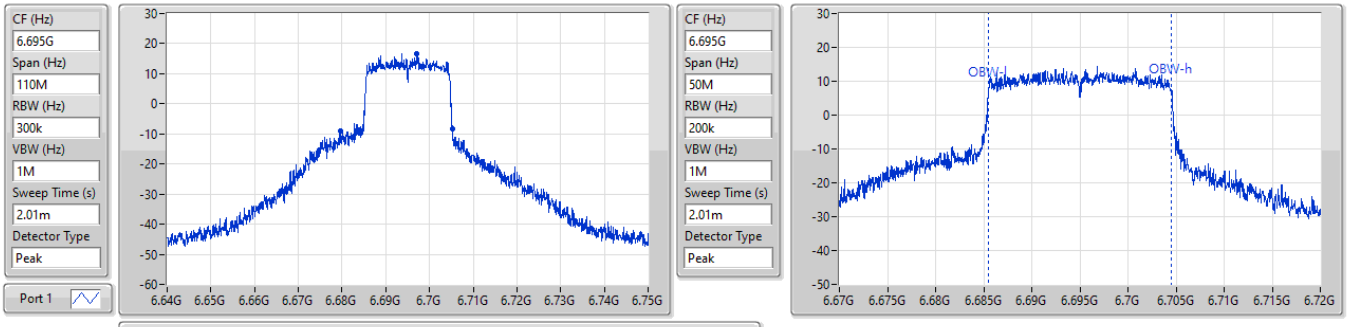


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.615M	6.52367G	6.545285G	18.95M	6.525544G	6.544494G	Inf	1

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

6695MHz

27/10/2023

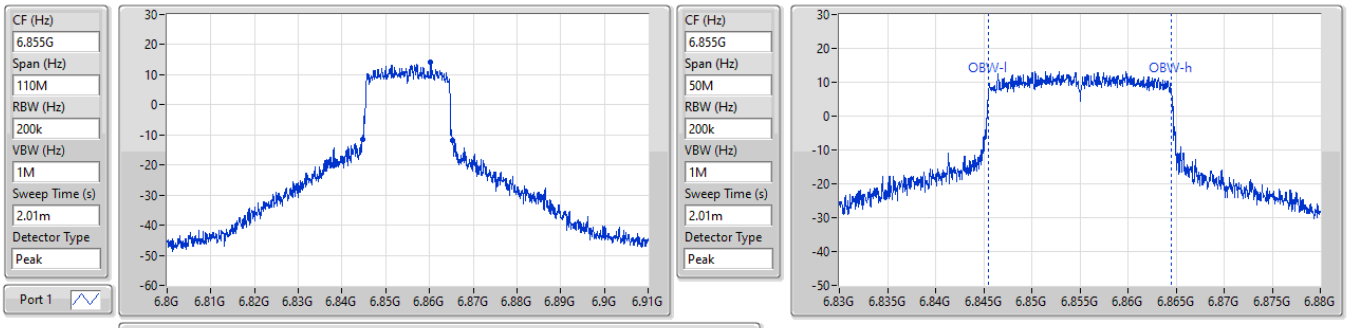


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
25.685M	6.679545G	6.70523G	18.986M	6.685495G	6.704481G	Inf	1

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

6855MHz

27/10/2023

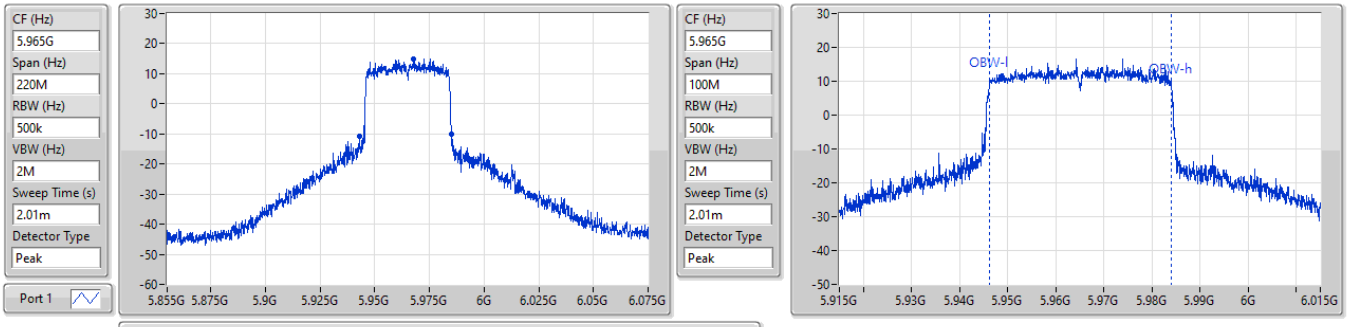


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.625M	6.844715G	6.86534G	18.958M	6.845535G	6.864493G	Inf	1

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

5965MHz

27/10/2023

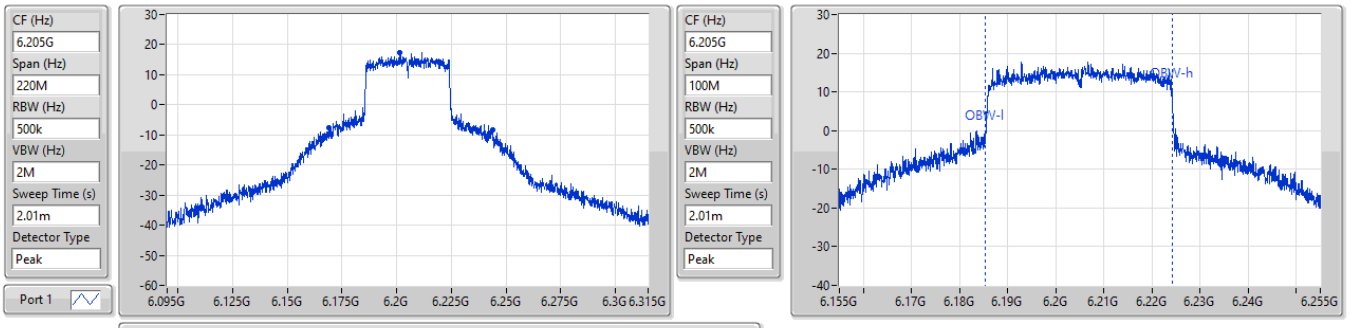


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
42.02M	5.94311G	5.98513G	37.774M	5.946169G	5.983942G	Inf	1

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

6205MHz

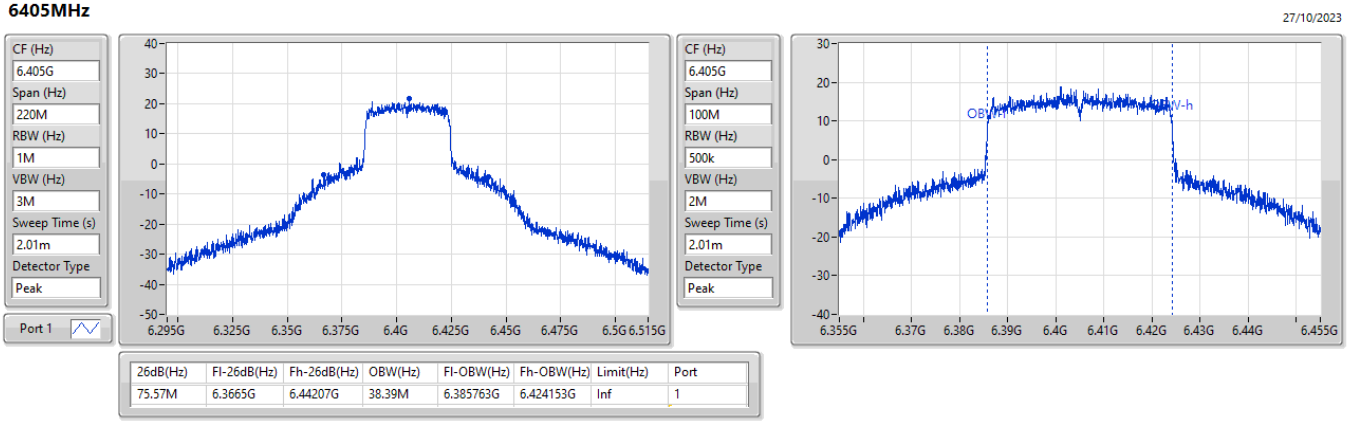
27/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
74.58M	6.16914G	6.24372G	39.005M	6.185246G	6.224251G	Inf	1

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

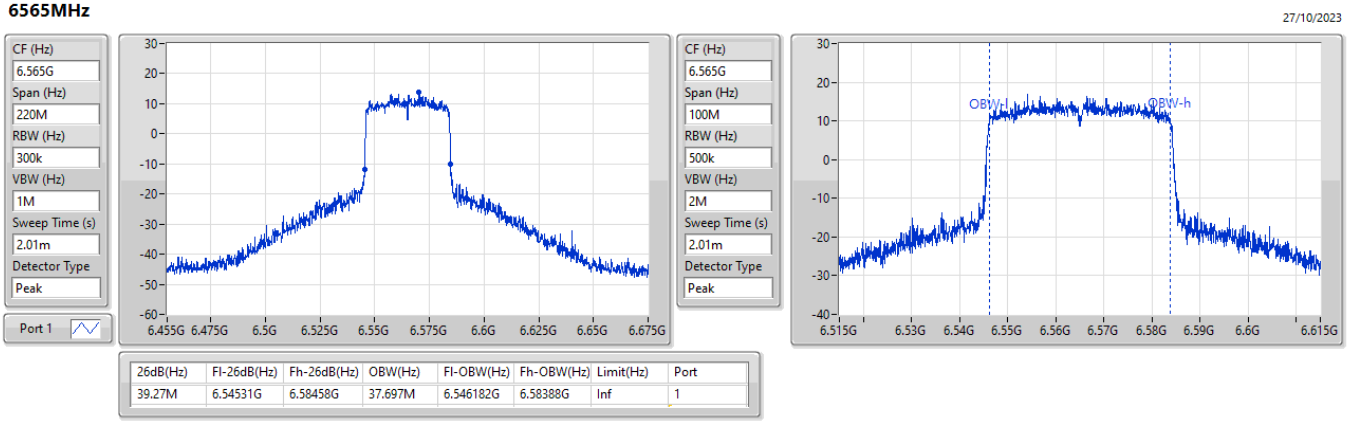
6405MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
75.57M	6.3665G	6.44207G	38.39M	6.385763G	6.424153G	Inf	1

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

6565MHz

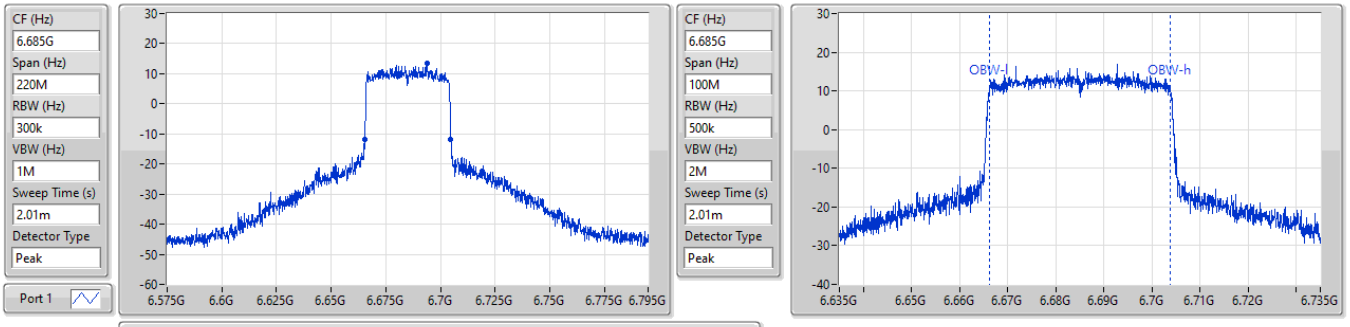


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	6.54531G	6.58458G	37.697M	6.546182G	6.58388G	Inf	1

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

6685MHz

27/10/2023

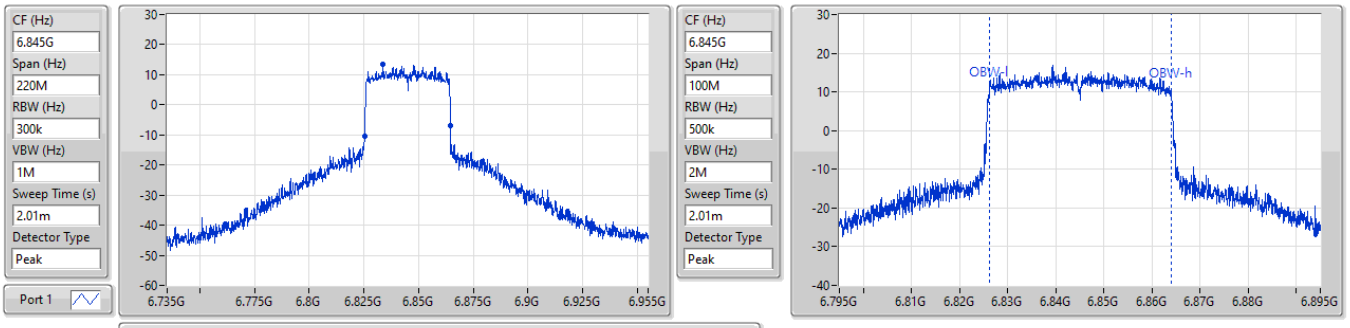


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	6.66553G	6.7048G	37.744M	6.666144G	6.703888G	Inf	1

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

6845MHz

27/10/2023

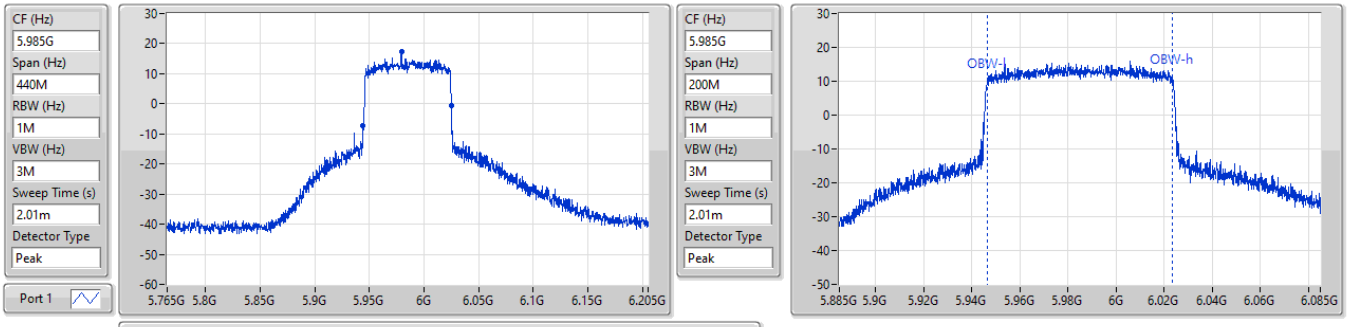


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.49M	6.8252G	6.86469G	37.804M	6.826117G	6.863921G	Inf	1

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

5985MHz

27/10/2023

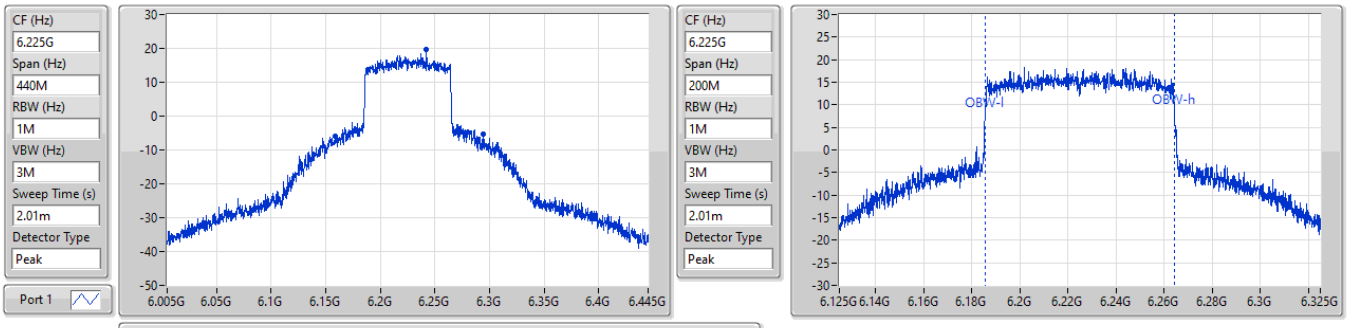


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	5.9443G	6.02526G	77.136M	5.946506G	6.023642G	Inf	1

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

6225MHz

27/10/2023

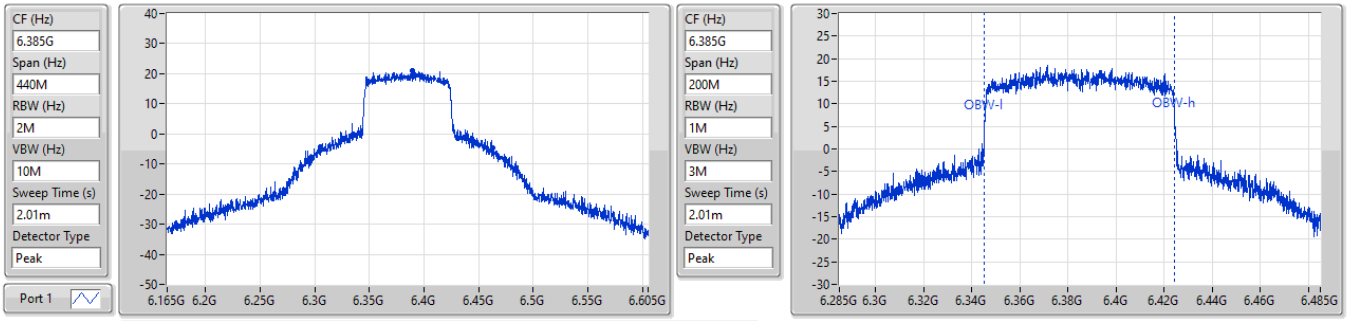


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
135.08M	6.15878G	6.29386G	78.918M	6.185461G	6.264379G	Inf	1

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

6385MHz

27/10/2023

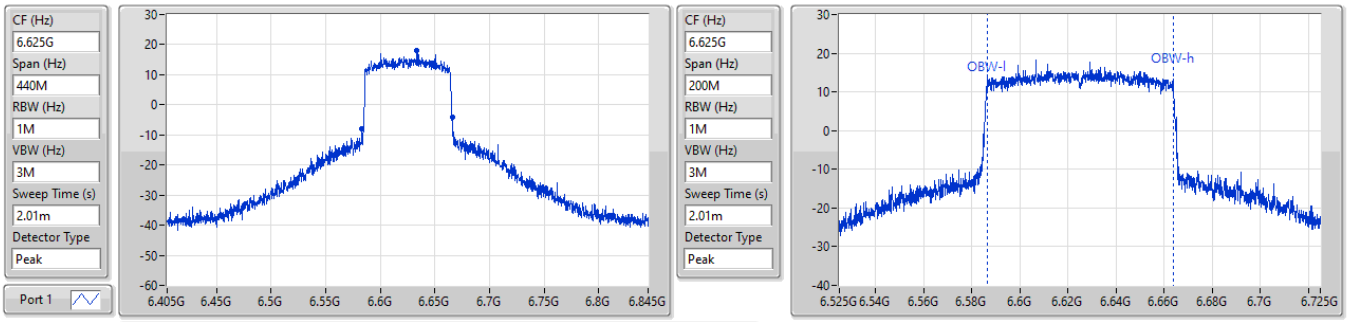


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
158.18M	6.30514G	6.46332G	79.042M	6.345384G	6.424426G	Inf	1

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

6625MHz

27/10/2023

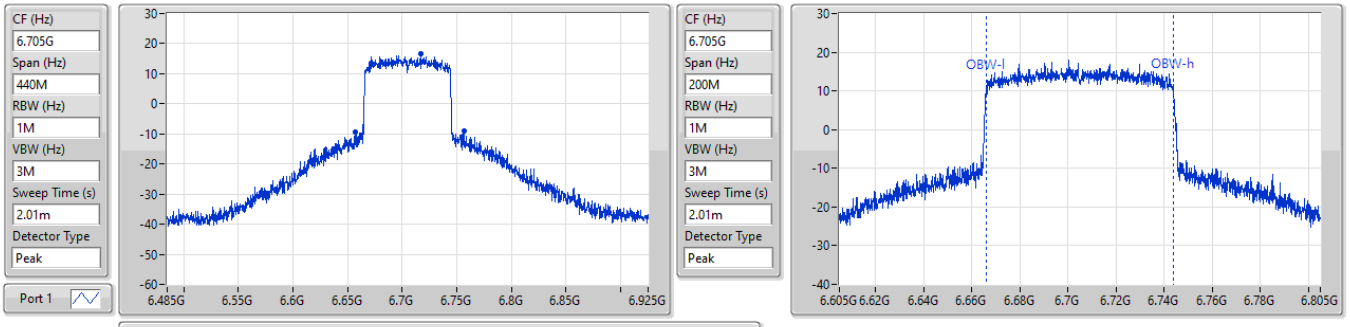


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.94M	6.58298G	6.66592G	77.408M	6.586362G	6.66377G	Inf	1

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

6705MHz

27/10/2023

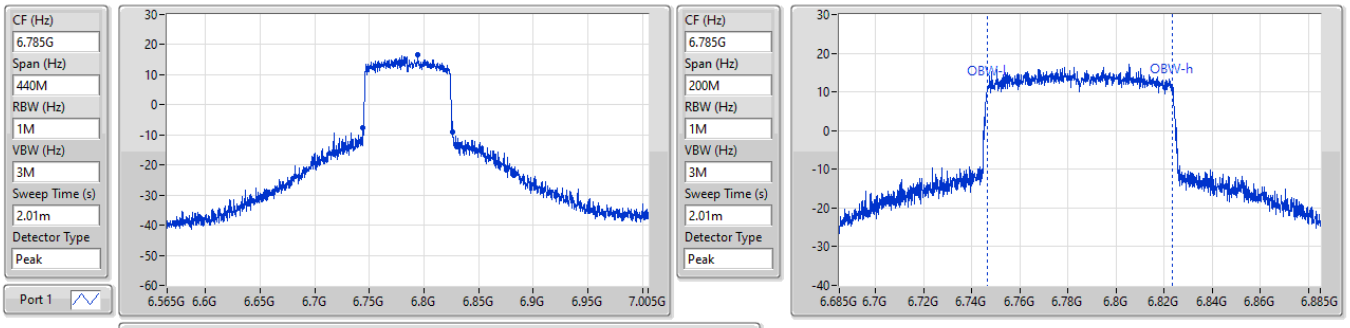


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
98.78M	6.65748G	6.75626G	77.437M	6.666264G	6.743701G	Inf	1

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

6785MHz

27/10/2023

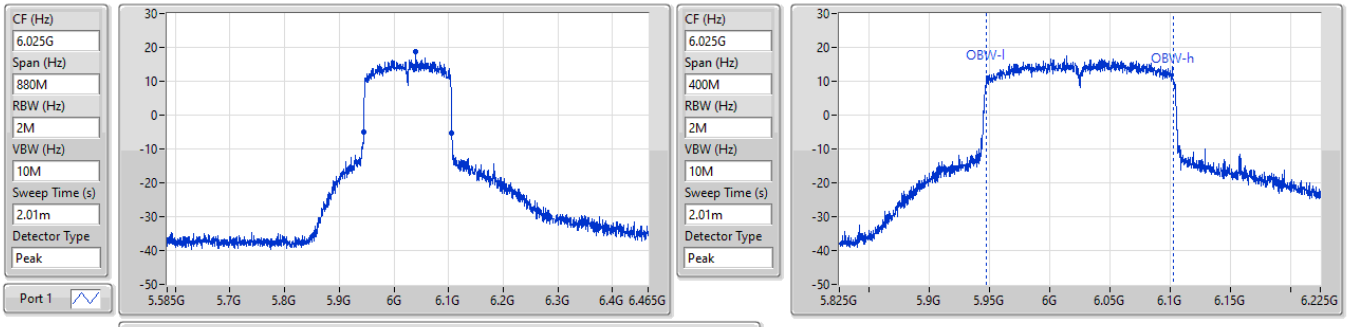


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
82.28M	6.7443G	6.82658G	77.276M	6.746371G	6.823647G	Inf	1

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

6025MHz

27/10/2023

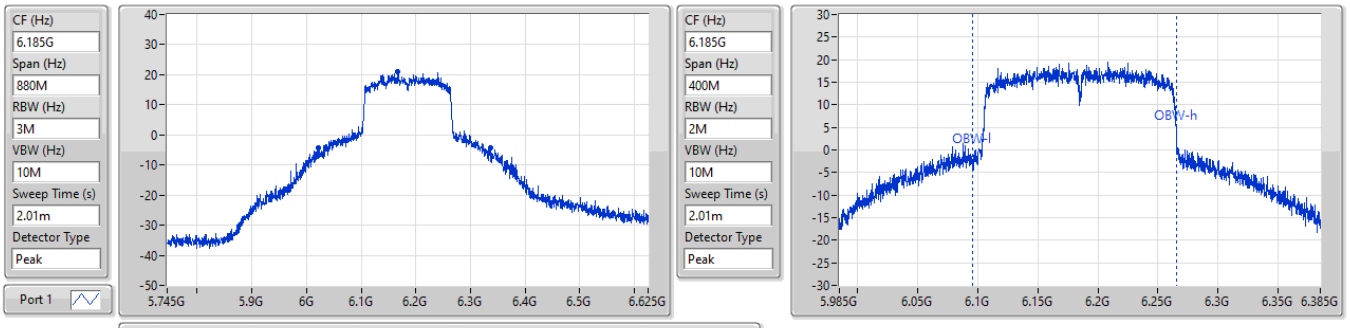


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.48M	5.94448G	6.10596G	155.244M	5.947636G	6.10288G	Inf	1

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

6185MHz

27/10/2023

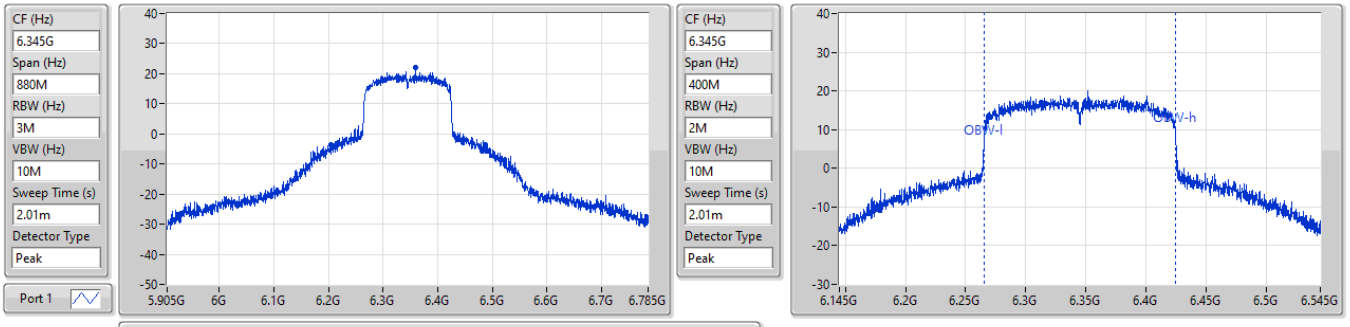


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
315.04M	6.02088G	6.33592G	169.63M	6.095813G	6.265443G	Inf	1

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

6345MHz

27/10/2023

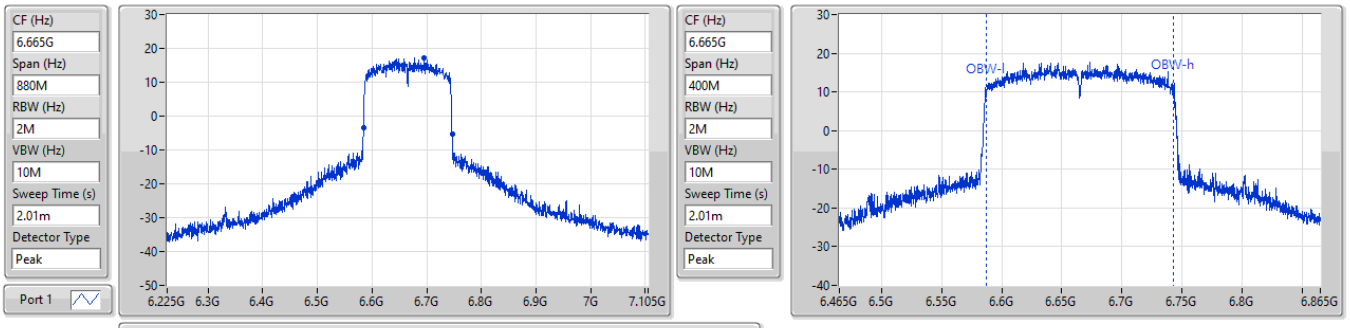


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
282.48M	6.20508G	6.48756G	159.561M	6.265063G	6.424624G	Inf	1

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

6665MHz

27/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.36M	6.58404G	6.7464G	155.544M	6.587391G	6.742935G	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	41.69M	23.722M	23M7D1D	31.625M	19.454M
802.11ax HEW40_Nss1,(MCS0)_1TX	106.37M	66.288M	66M3D1D	39.6M	37.661M
802.11ax HEW80_Nss1,(MCS0)_1TX	202.4M	129.793M	130MD1D	80.74M	77.177M
802.11ax HEW160_Nss1,(MCS0)_1TX	399.52M	250.926M	251MD1D	165M	154.842M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	39.545M	21.357M	21M4D1D	26.895M	19.03M
802.11ax HEW40_Nss1,(MCS0)_1TX	73.7M	41.561M	41M6D1D	47.08M	37.871M
802.11ax HEW80_Nss1,(MCS0)_1TX	171.38M	78.411M	78M4D1D	125.84M	78.009M
802.11ax HEW160_Nss1,(MCS0)_1TX	319.44M	158.461M	158MD1D	319.44M	158.461M

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

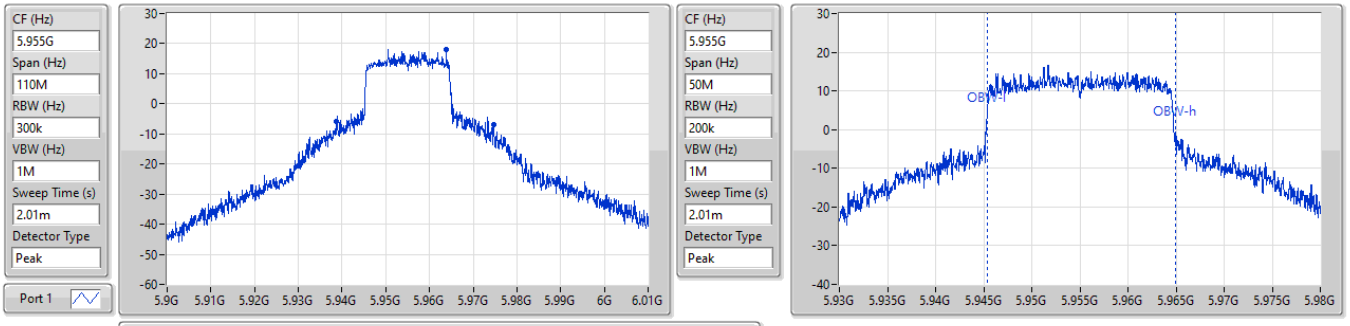
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	35.915M	19.573M
6195MHz	Pass	Inf	41.69M	23.722M
6415MHz	Pass	Inf	31.625M	19.454M
6535MHz	Pass	Inf	32.175M	19.167M
6695MHz	Pass	Inf	26.895M	19.03M
6855MHz	Pass	Inf	39.545M	21.357M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
5965MHz	Pass	Inf	39.6M	37.661M
6205MHz	Pass	Inf	106.37M	66.288M
6405MHz	Pass	Inf	79.86M	38.654M
6565MHz	Pass	Inf	47.08M	37.871M
6685MHz	Pass	Inf	63.8M	38.208M
6845MHz	Pass	Inf	73.7M	41.561M
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-
5985MHz	Pass	Inf	80.74M	77.177M
6225MHz	Pass	Inf	202.4M	129.793M
6385MHz	Pass	Inf	161.04M	78.642M
6625MHz	Pass	Inf	125.84M	78.009M
6705MHz	Pass	Inf	146.74M	78.051M
6785MHz	Pass	Inf	171.38M	78.411M
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-
6025MHz	Pass	Inf	165M	154.842M
6185MHz	Pass	Inf	399.52M	250.926M
6345MHz	Pass	Inf	348.48M	167.243M
6665MHz	Pass	Inf	319.44M	158.461M

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

27/10/2023

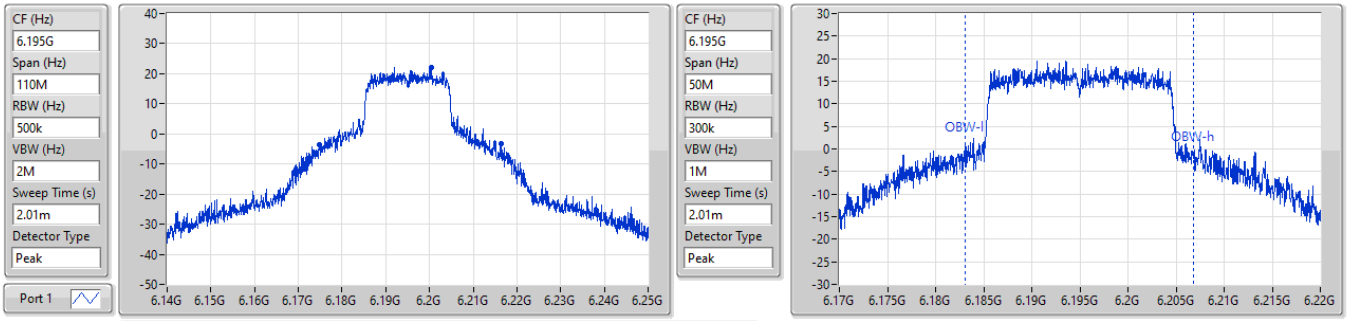


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.915M	5.938775G	5.97469G	19.573M	5.945389G	5.964962G	Inf	1

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

6195MHz

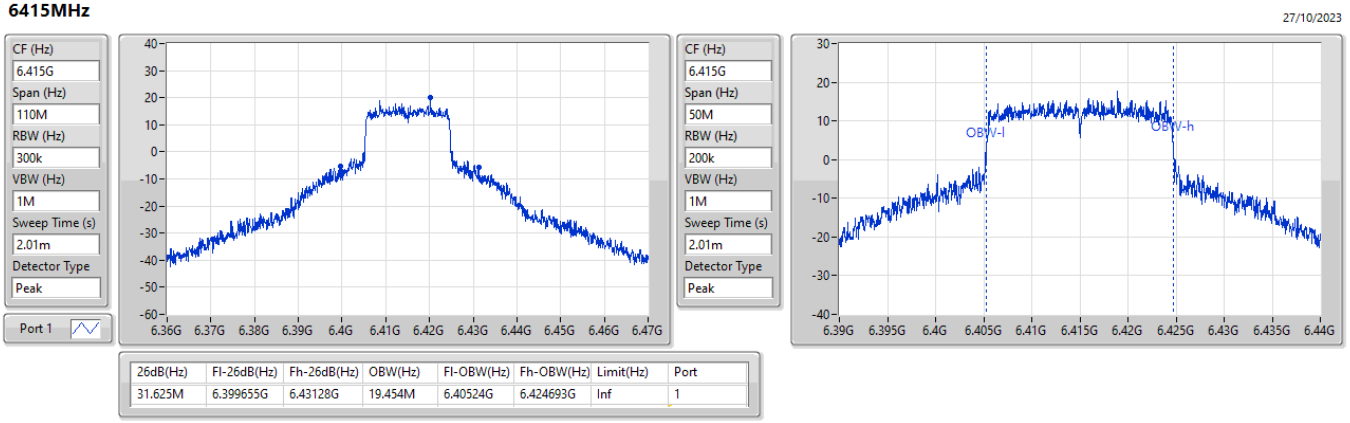
27/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
41.69M	6.174705G	6.216395G	23.722M	6.183114G	6.206836G	Inf	1

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

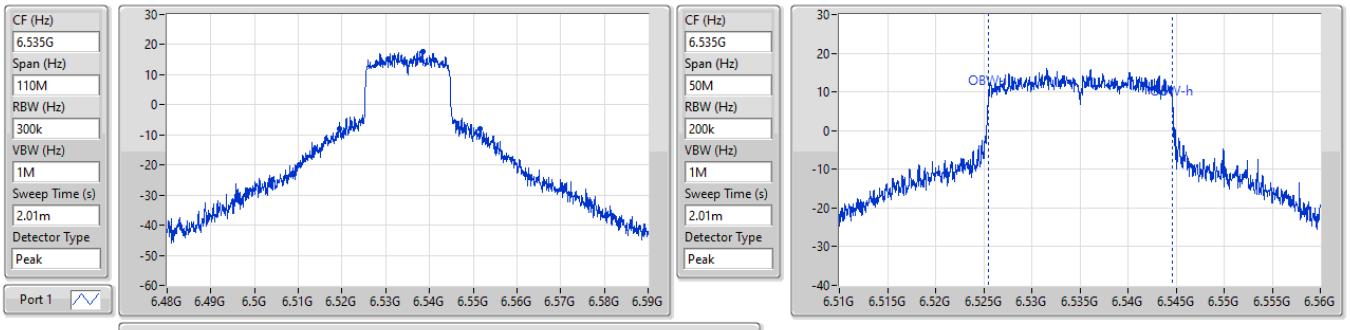
6415MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
31.625M	6.399655G	6.43128G	19.454M	6.40524G	6.424693G	Inf	1

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

6535MHz

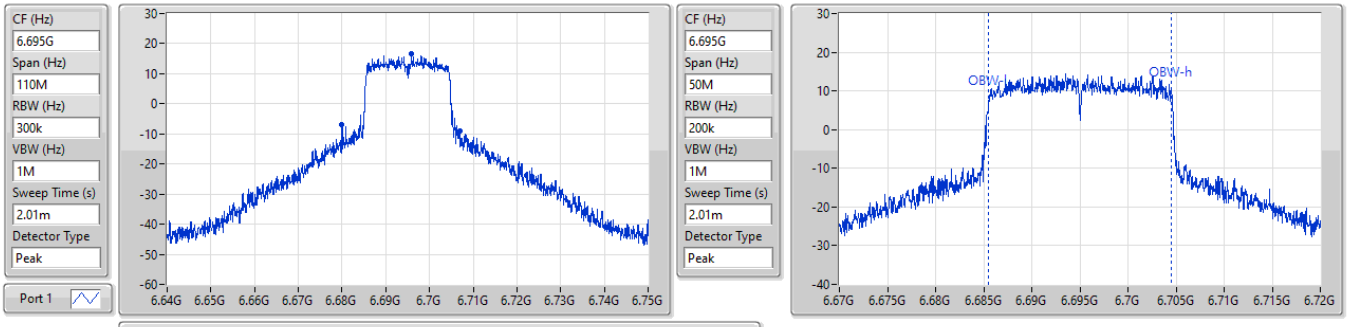


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.175M	6.519325G	6.5515G	19.167M	6.525467G	6.544634G	Inf	1

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

6695MHz

27/10/2023

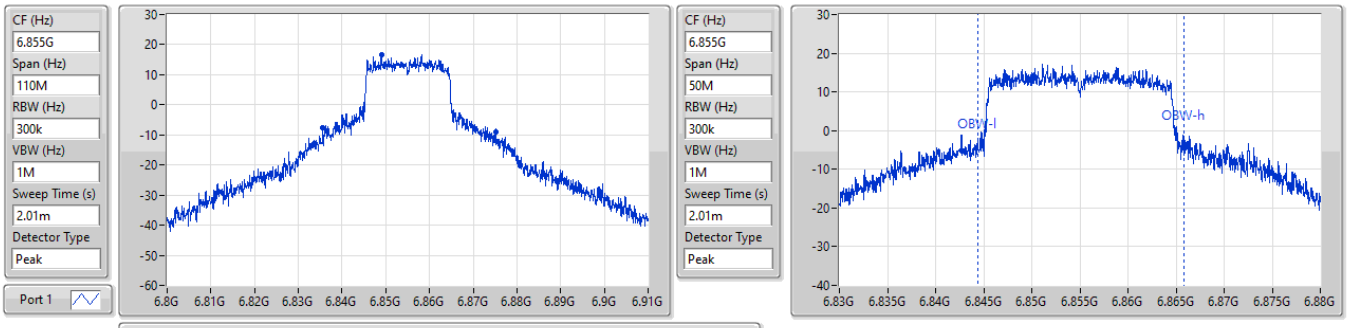


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
26.895M	6.679985G	6.70688G	19.03M	6.685515G	6.704545G	Inf	1

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

6855MHz

27/10/2023

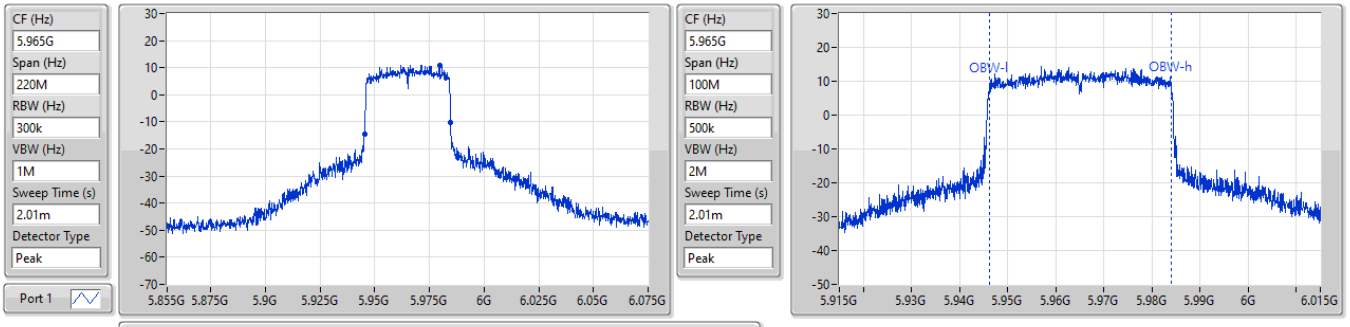


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.545M	6.835585G	6.87513G	21.357M	6.844413G	6.86577G	Inf	1

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

5965MHz

27/10/2023

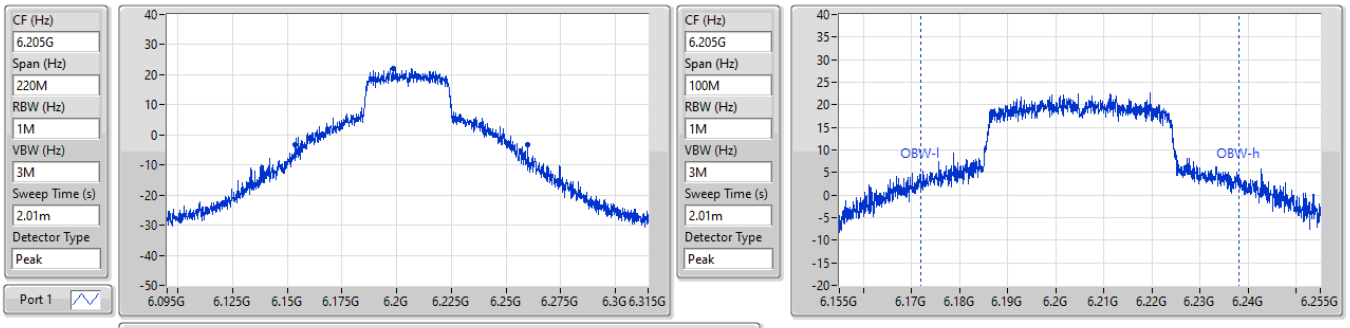


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	5.9452G	5.9848G	37.661M	5.946266G	5.983928G	Inf	1

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

6205MHz

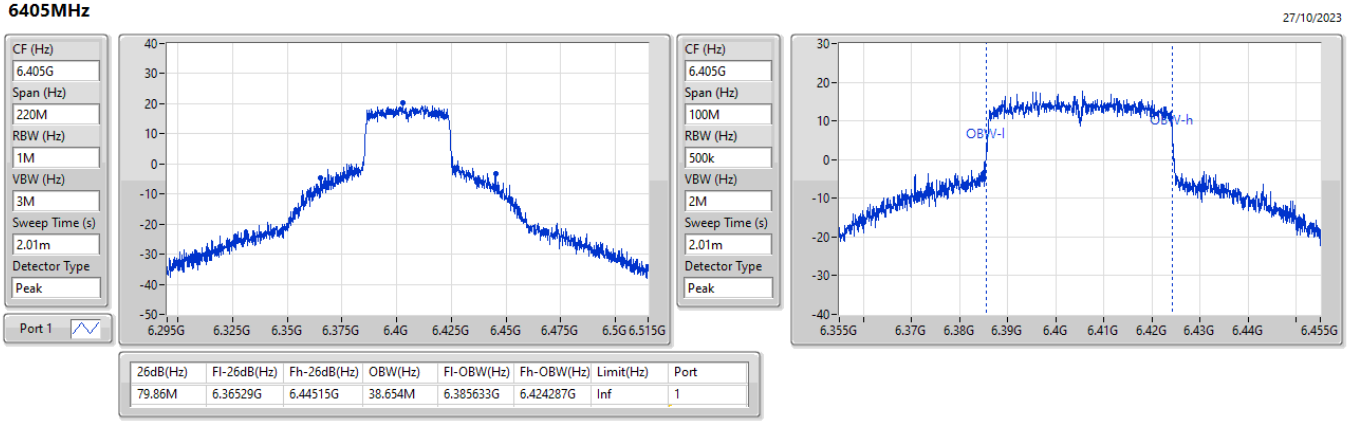
27/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
106.37M	6.15352G	6.25989G	66.288M	6.171857G	6.238145G	Inf	1

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

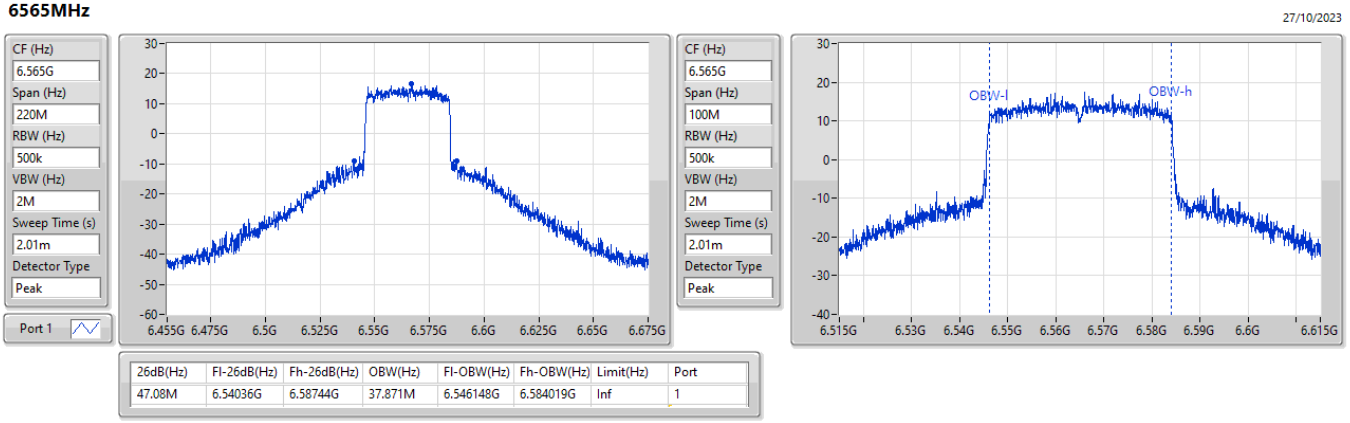
6405MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
79.86M	6.36529G	6.44515G	38.654M	6.385633G	6.424287G	Inf	1

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

6565MHz

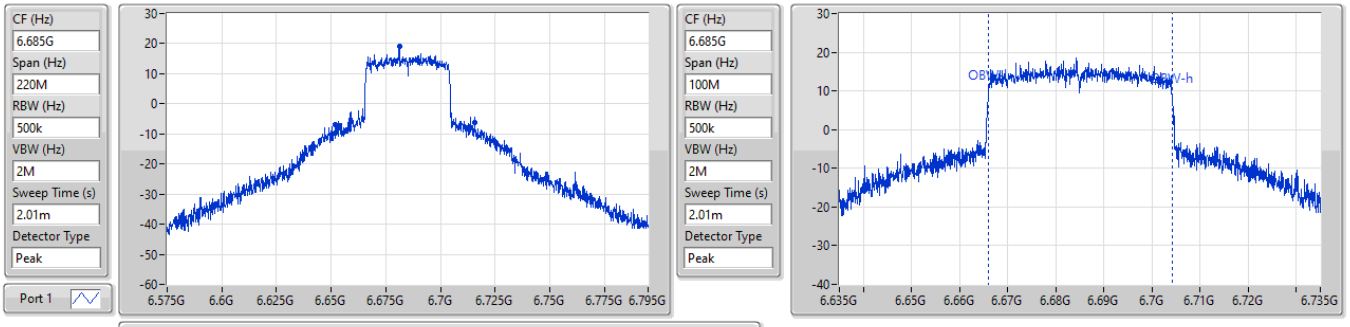


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
47.08M	6.54036G	6.58744G	37.871M	6.546148G	6.584019G	Inf	1

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

6685MHz

27/10/2023

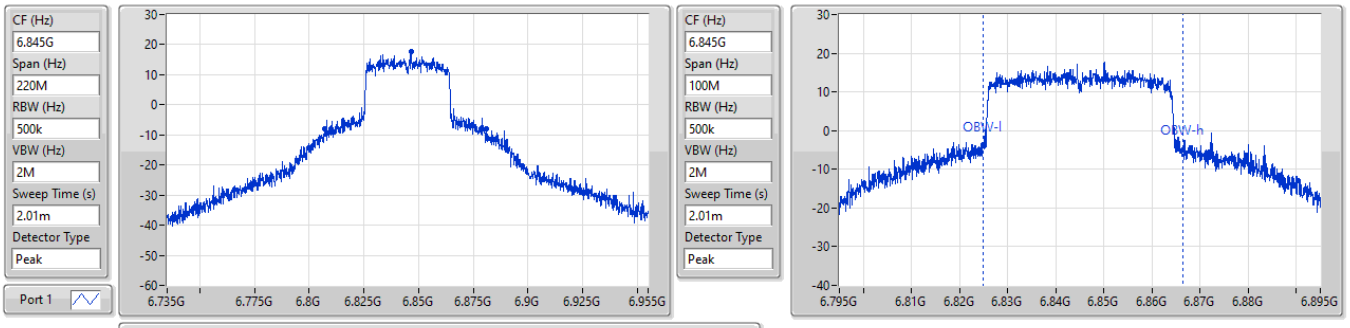


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
63.8M	6.65211G	6.71591G	38.208M	6.665965G	6.704173G	Inf	1

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

6845MHz

27/10/2023

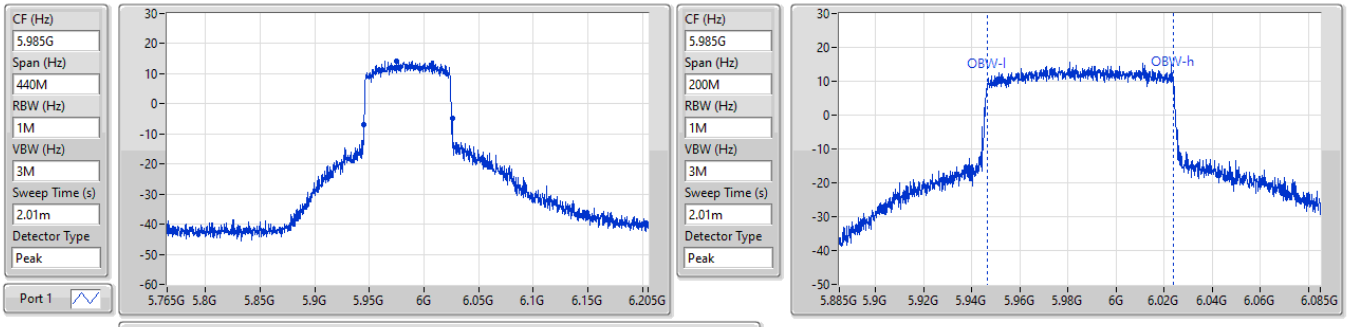


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
73.7M	6.80727G	6.88097G	41.561M	6.824827G	6.866388G	Inf	1

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

5985MHz

27/10/2023

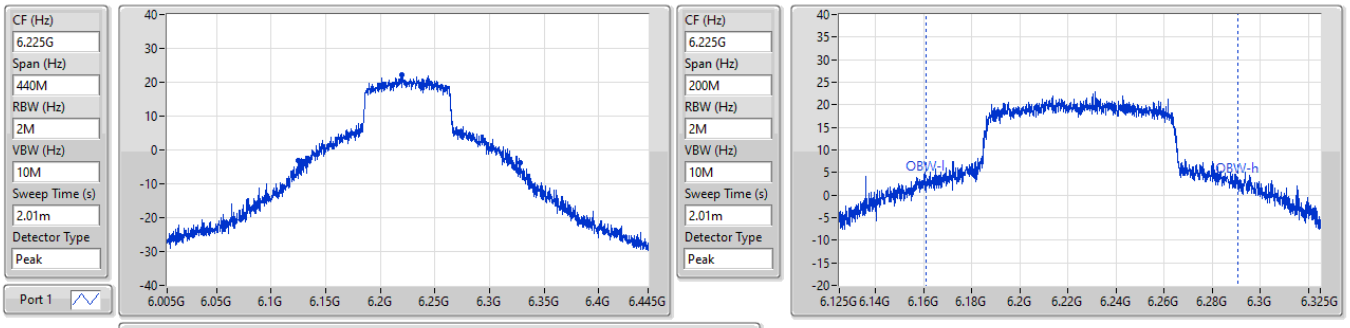


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.74M	5.94496G	6.0257G	77.177M	5.94659G	6.023768G	Inf	1

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

6225MHz

27/10/2023

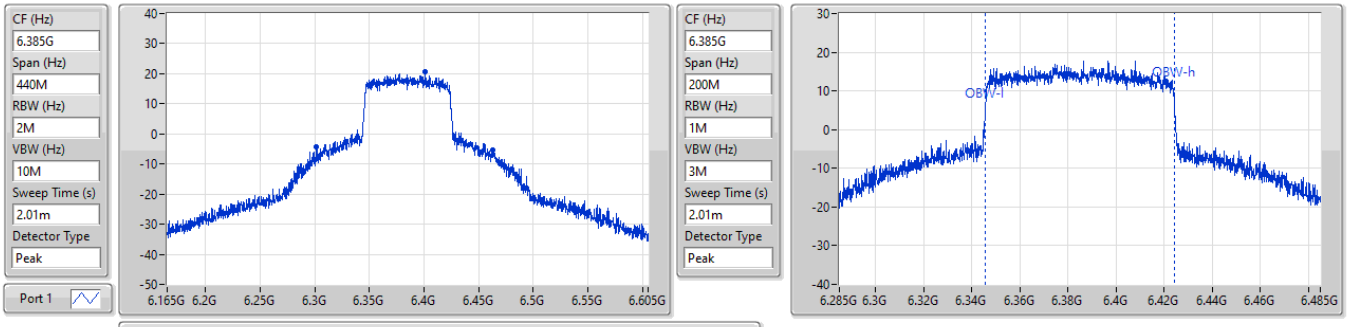


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
202.4M	6.12512G	6.32752G	129.793M	6.160891G	6.290683G	Inf	1

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

6385MHz

27/10/2023

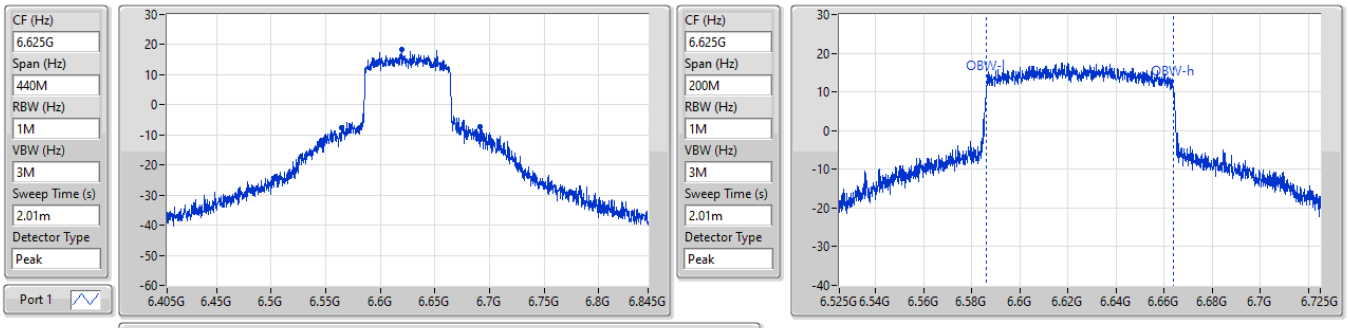


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.04M	6.30162G	6.46266G	78.642M	6.345575G	6.424217G	Inf	1

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

6625MHz

27/10/2023

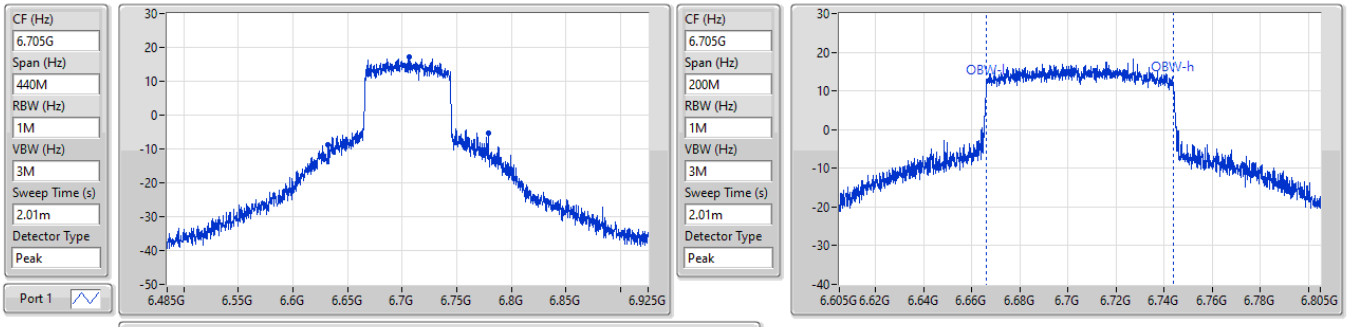


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
125.84M	6.56494G	6.69078G	78.009M	6.58601G	6.664018G	Inf	1

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

6705MHz

27/10/2023

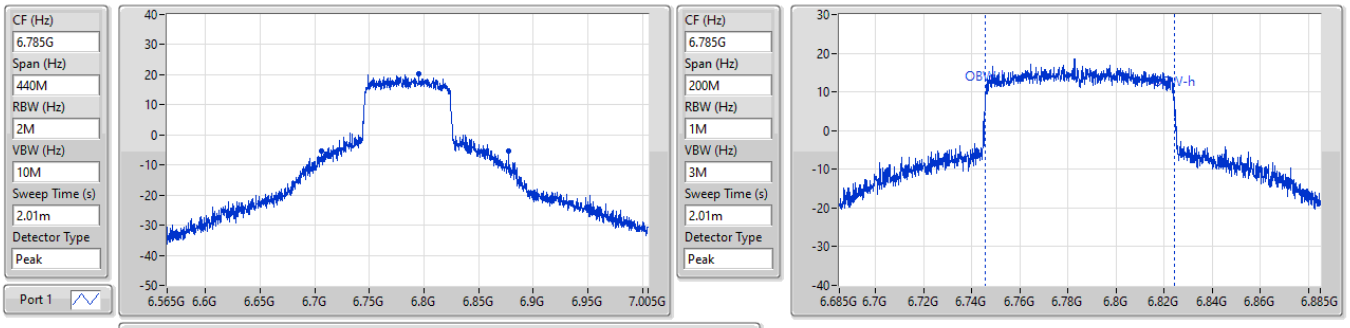


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
146.74M	6.63218G	6.77892G	78.051M	6.666006G	6.744056G	Inf	1

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

6785MHz

27/10/2023

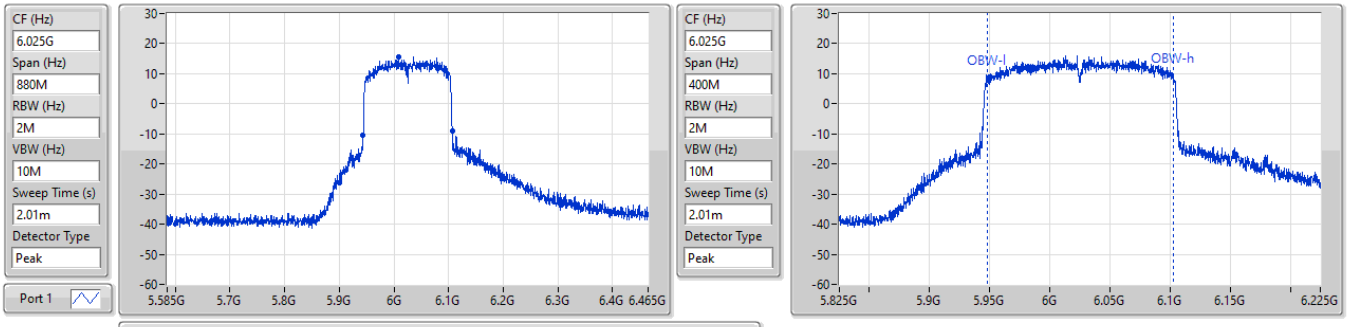


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
171.38M	6.70602G	6.8774G	78.411M	6.745836G	6.824246G	Inf	1

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

6025MHz

27/10/2023

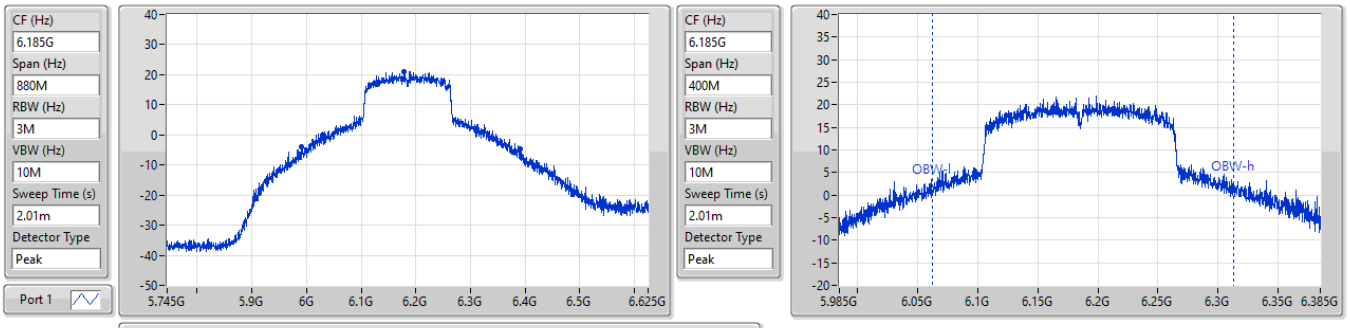


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
165M	5.94228G	6.10728G	154.842M	5.948015G	6.102857G	Inf	1

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

6185MHz

27/10/2023

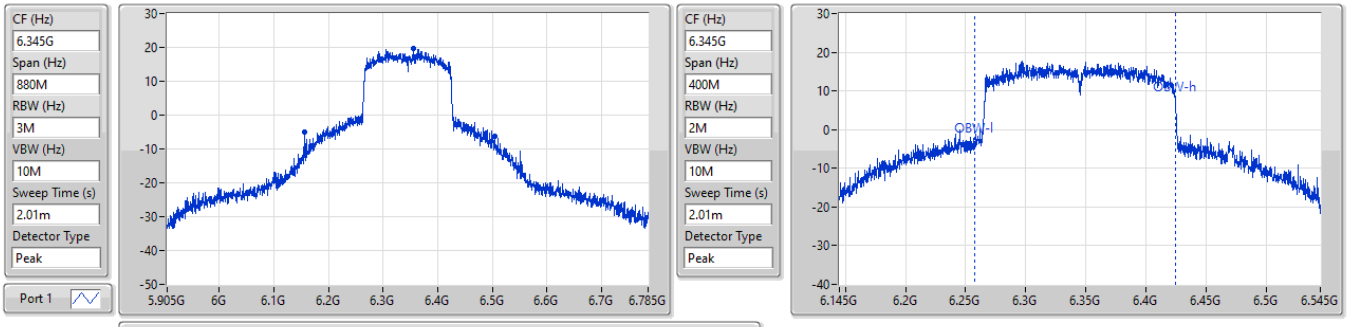


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
399.52M	5.9914G	6.39092G	250.926M	6.06242G	6.313346G	Inf	1

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

6345MHz

27/10/2023

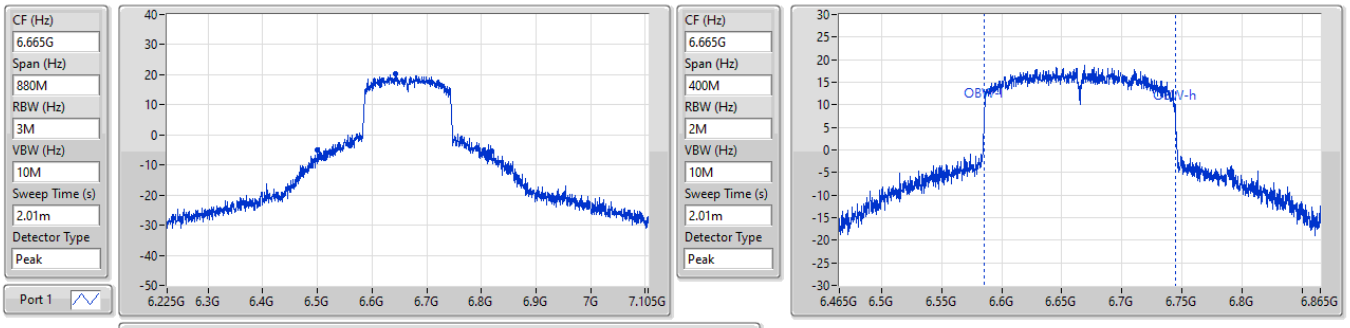


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
348.48M	6.1558G	6.50428G	167.243M	6.257319G	6.424563G	Inf	1

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

6665MHz

27/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
319.44M	6.49956G	6.819G	158.461M	6.585797G	6.744258G	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	21.285M	18.963M	19M0D1D	19.965M	18.865M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.71M	37.855M	37M9D1D	39.27M	37.564M
802.11ax HEW80_Nss1,(MCS0)_2TX	85.14M	77.694M	77M7D1D	79.86M	77.111M
802.11ax HEW160_Nss1,(MCS0)_2TX	163.68M	155.676M	156MD1D	161.48M	154.314M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	20.57M	18.919M	18M9D1D	19.745M	18.849M
802.11ax HEW40_Nss1,(MCS0)_2TX	39.71M	37.889M	37M9D1D	38.72M	37.577M
802.11ax HEW80_Nss1,(MCS0)_2TX	80.96M	77.347M	77M3D1D	80.08M	76.656M
802.11ax HEW160_Nss1,(MCS0)_2TX	161.92M	155.312M	155MD1D	161.92M	154.172M

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

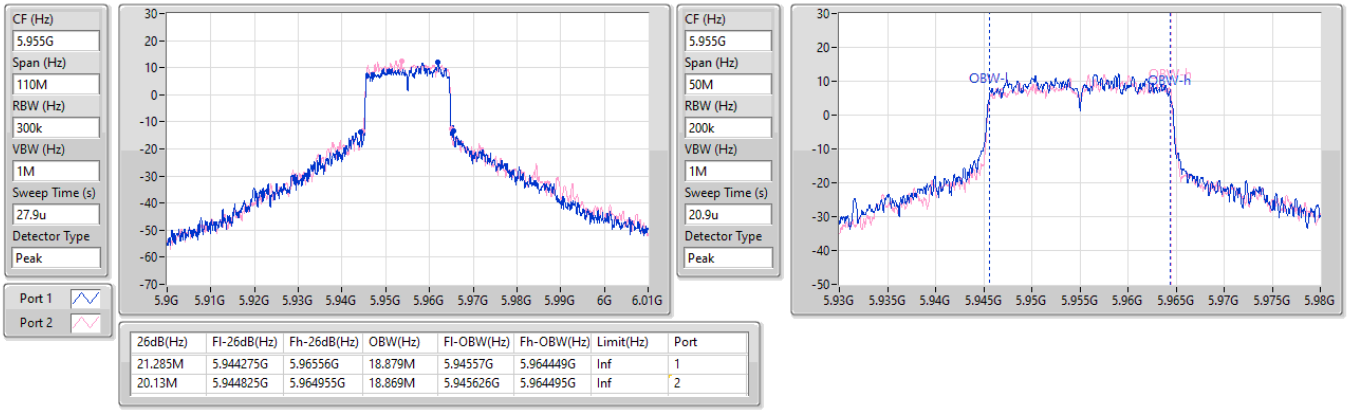
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	21.285M	18.879M	20.13M	18.869M
6195MHz	Pass	Inf	20.075M	18.919M	19.965M	18.865M
6415MHz	Pass	Inf	19.965M	18.963M	20.13M	18.921M
6535MHz	Pass	Inf	19.965M	18.849M	19.745M	18.857M
6695MHz	Pass	Inf	20.57M	18.904M	19.965M	18.86M
6855MHz	Pass	Inf	20.185M	18.896M	19.965M	18.919M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	39.71M	37.628M	39.6M	37.661M
6205MHz	Pass	Inf	39.71M	37.855M	39.27M	37.577M
6405MHz	Pass	Inf	39.38M	37.564M	39.38M	37.657M
6565MHz	Pass	Inf	39.38M	37.889M	39.05M	37.593M
6685MHz	Pass	Inf	39.16M	37.679M	38.72M	37.577M
6845MHz	Pass	Inf	39.27M	37.637M	39.71M	37.616M
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	80.52M	77.111M	79.86M	77.253M
6225MHz	Pass	Inf	85.14M	77.639M	80.96M	77.236M
6385MHz	Pass	Inf	80.52M	77.502M	81.62M	77.694M
6625MHz	Pass	Inf	80.52M	77.121M	80.52M	77.052M
6705MHz	Pass	Inf	80.3M	76.847M	80.96M	77.347M
6785MHz	Pass	Inf	80.3M	76.656M	80.08M	76.738M
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	161.92M	154.744M	161.48M	154.314M
6185MHz	Pass	Inf	162.36M	155.374M	162.36M	154.605M
6345MHz	Pass	Inf	163.68M	155.676M	161.92M	155.555M
6665MHz	Pass	Inf	161.92M	154.172M	161.92M	155.312M

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

31/10/2023

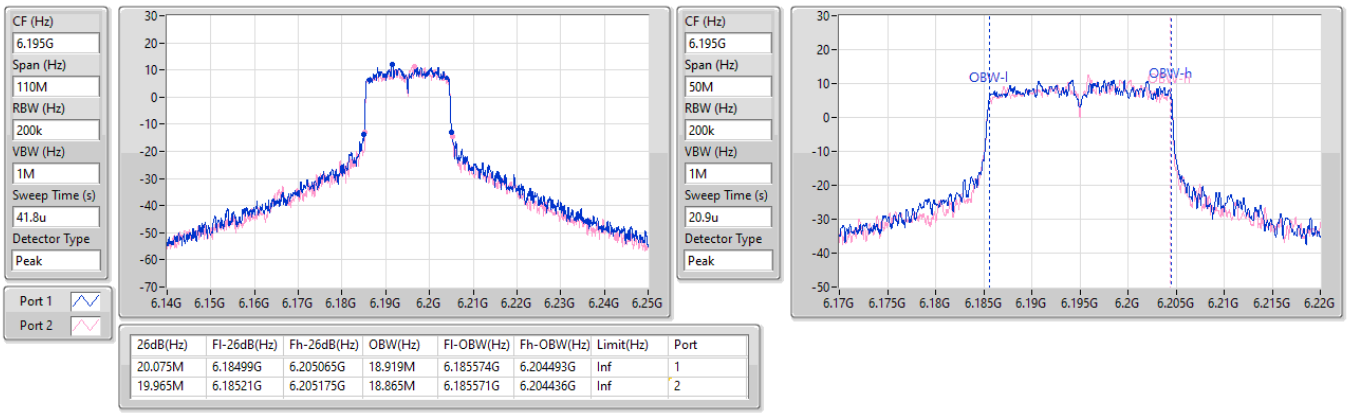


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
21.285M	5.944275G	5.96556G	18.879M	5.94557G	5.964449G	Inf	1
20.13M	5.944825G	5.964955G	18.869M	5.945626G	5.964495G	Inf	2

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

6195MHz

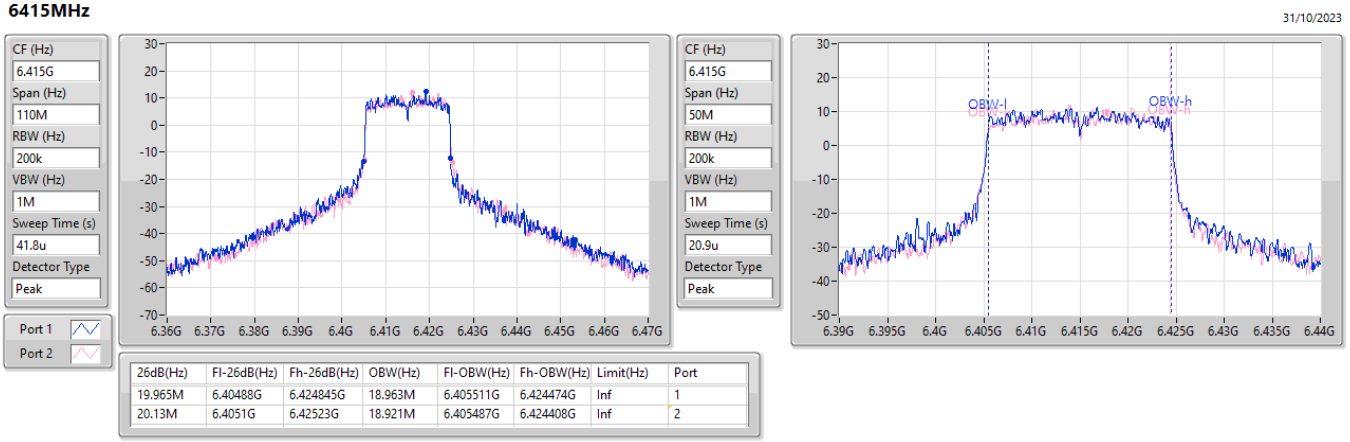
31/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.075M	6.18499G	6.205065G	18.919M	6.185574G	6.204493G	Inf	1
19.965M	6.18521G	6.205175G	18.865M	6.185571G	6.204436G	Inf	2

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

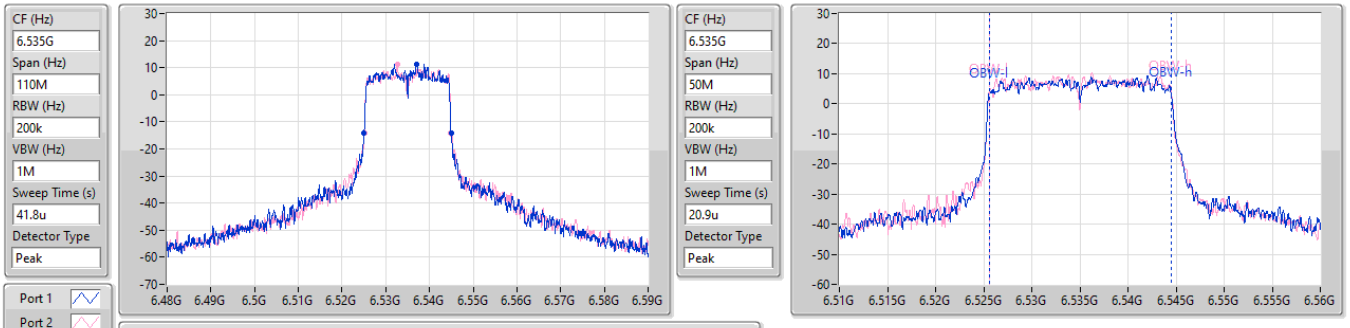
6415MHz



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.965M	6.40488G	6.424845G	18.963M	6.405511G	6.424474G	Inf	1
20.13M	6.4051G	6.42523G	18.921M	6.405487G	6.424408G	Inf	2

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

6535MHz

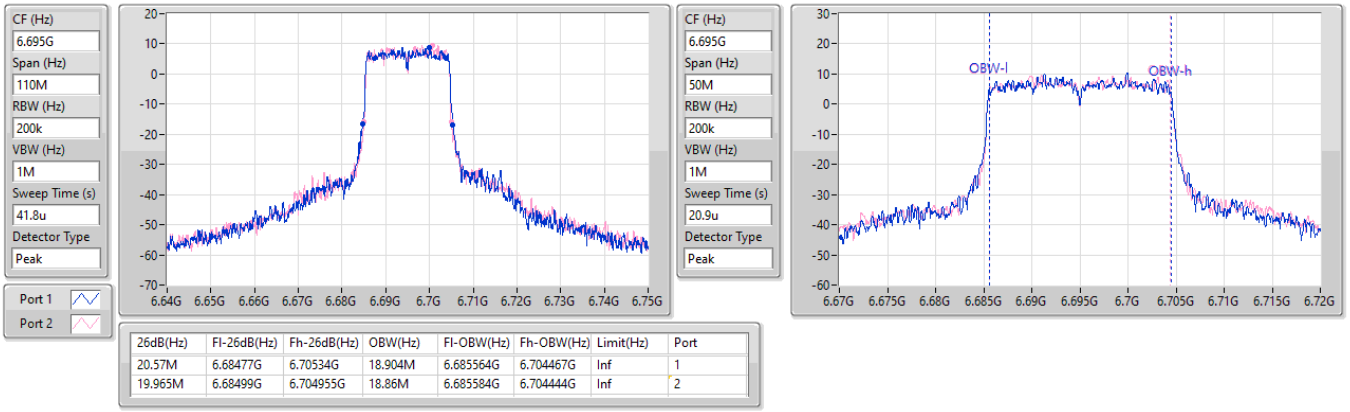


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.965M	6.52499G	6.544955G	18.849M	6.525608G	6.544457G	Inf	1
19.745M	6.5251G	6.544845G	18.857M	6.525619G	6.544476G	Inf	2

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

6695MHz

31/10/2023

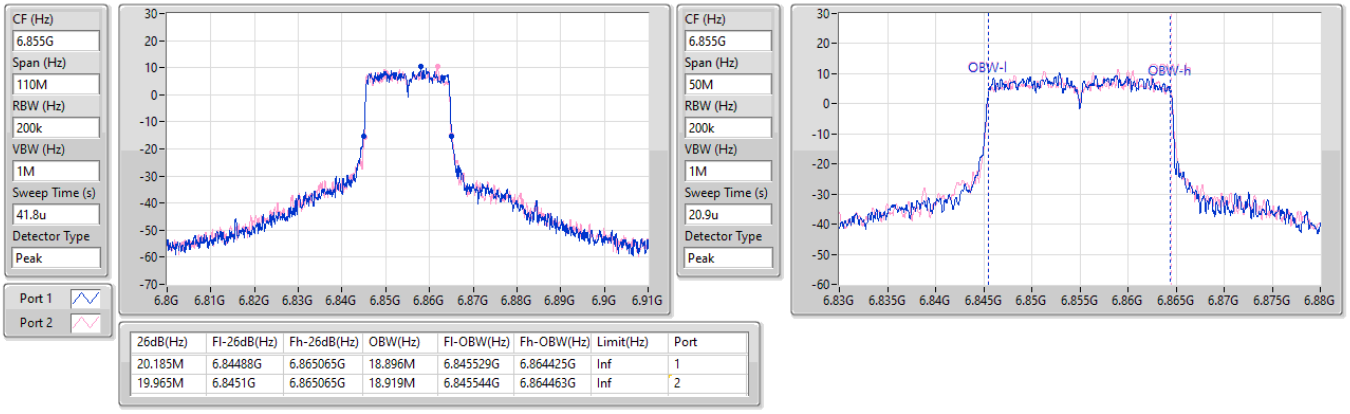


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.57M	6.68477G	6.70534G	18.904M	6.685564G	6.704467G	Inf	1
19.965M	6.68499G	6.704955G	18.86M	6.685584G	6.704444G	Inf	2

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

6855MHz

31/10/2023

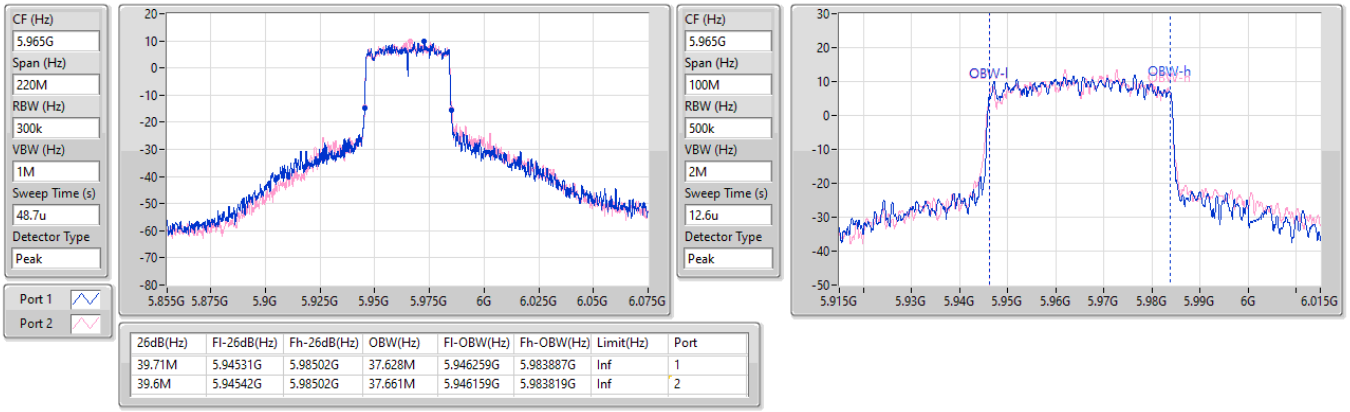


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.185M	6.84488G	6.865065G	18.896M	6.845529G	6.864425G	Inf	1
19.965M	6.8451G	6.865065G	18.919M	6.845544G	6.864463G	Inf	2

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

5965MHz

31/10/2023

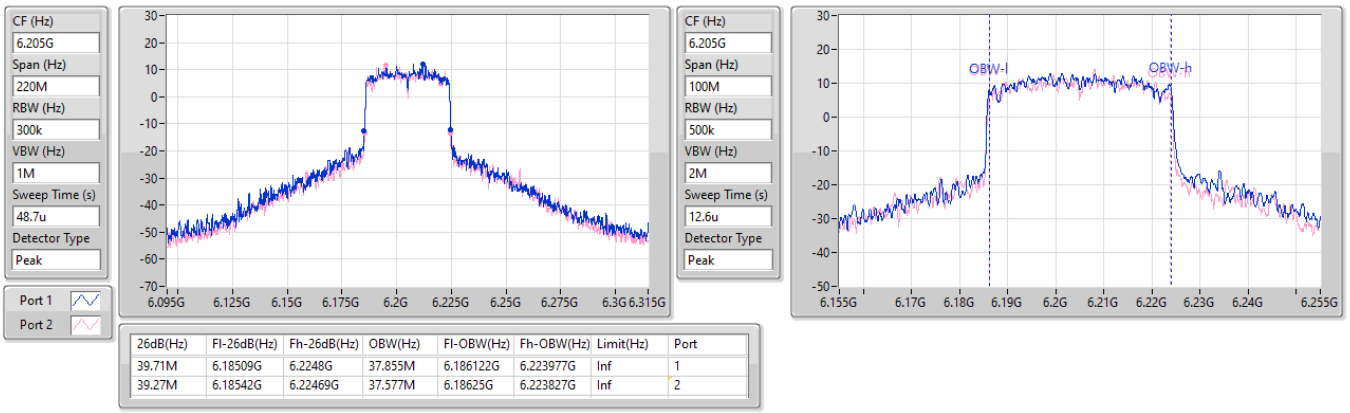


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	5.94531G	5.98502G	37.628M	5.946259G	5.983887G	Inf	1
39.6M	5.94542G	5.98502G	37.661M	5.946159G	5.983819G	Inf	2

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

6205MHz

31/10/2023

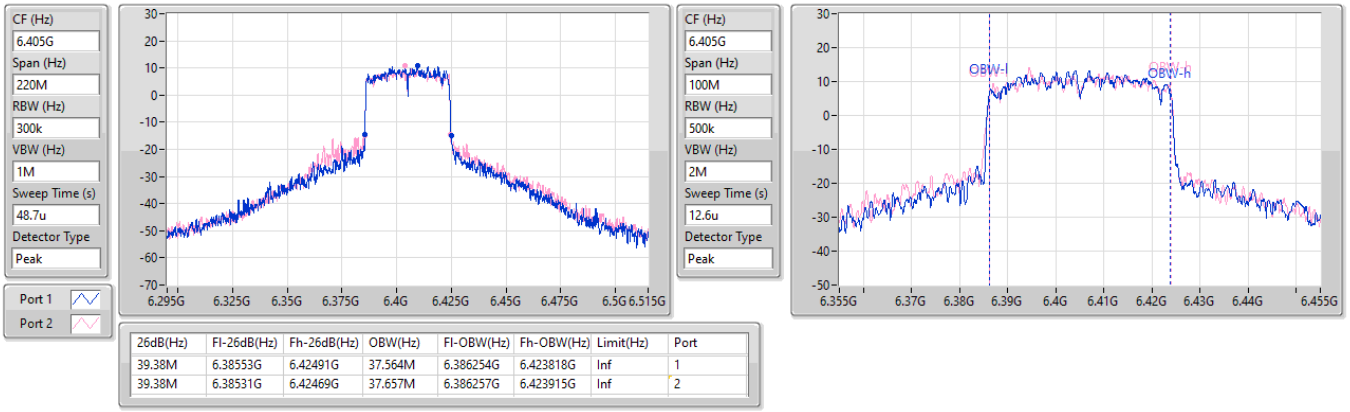


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.71M	6.18509G	6.2248G	37.855M	6.186122G	6.223977G	Inf	1
39.27M	6.18542G	6.22469G	37.577M	6.18625G	6.223827G	Inf	2

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

6405MHz

31/10/2023

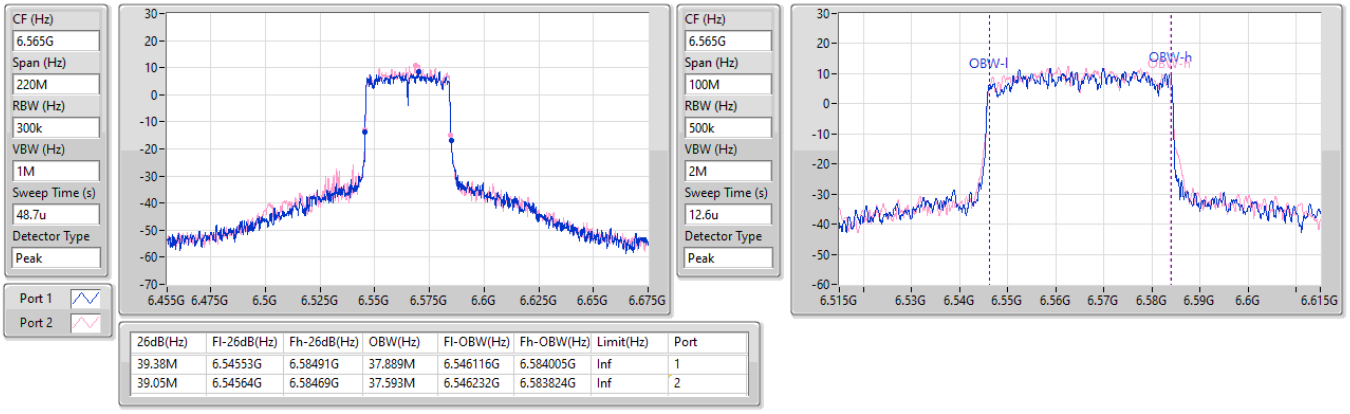


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.38M	6.38553G	6.42491G	37.564M	6.386254G	6.423818G	Inf	1
39.38M	6.38531G	6.42469G	37.657M	6.386257G	6.423915G	Inf	2

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

6565MHz

31/10/2023

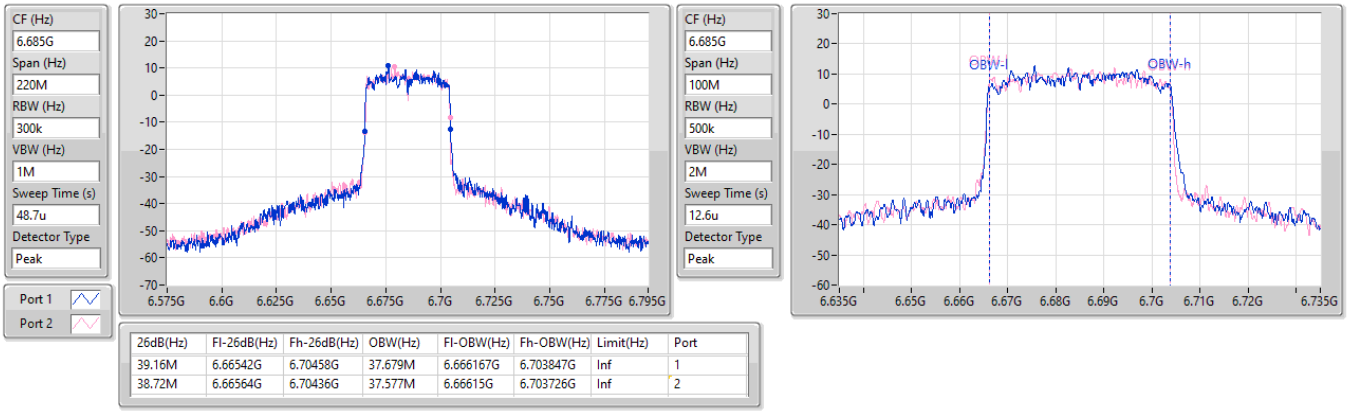


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.38M	6.54553G	6.58491G	37.889M	6.546116G	6.584005G	Inf	1
39.05M	6.54564G	6.58469G	37.593M	6.546232G	6.583824G	Inf	2

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

6685MHz

31/10/2023

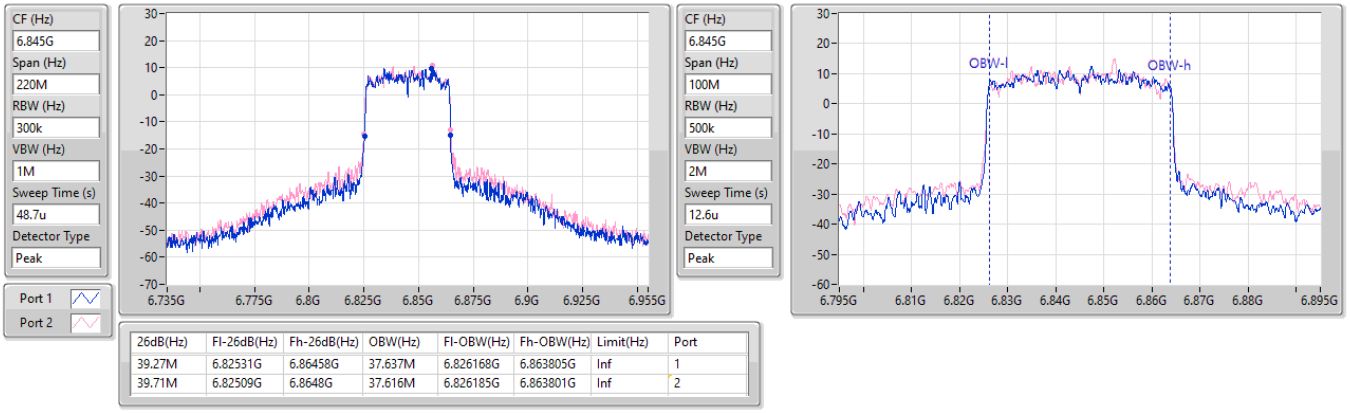


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.16M	6.66542G	6.70458G	37.679M	6.666167G	6.703847G	Inf	1
38.72M	6.66564G	6.70436G	37.577M	6.66615G	6.703726G	Inf	2

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

6845MHz

31/10/2023

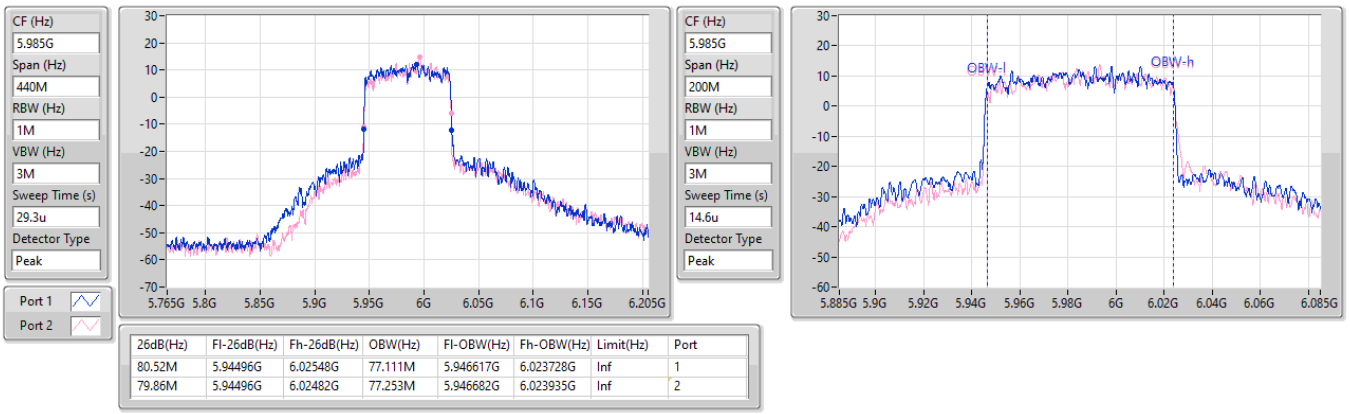


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.27M	6.82531G	6.86458G	37.637M	6.826168G	6.863805G	Inf	1
39.71M	6.82509G	6.8648G	37.616M	6.826185G	6.863801G	Inf	2

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

5985MHz

31/10/2023

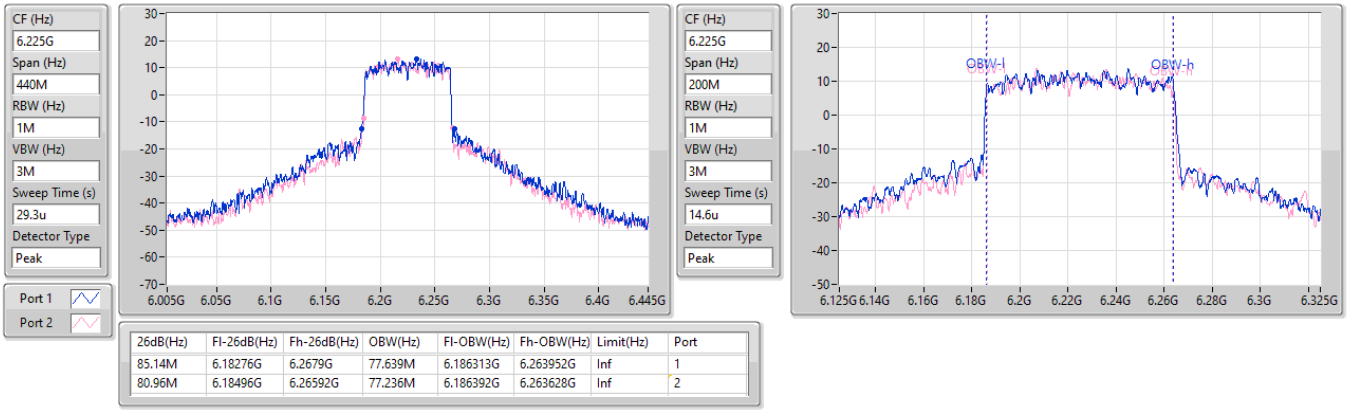


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.52M	5.94496G	6.02548G	77.111M	5.946617G	6.023728G	Inf	1
79.86M	5.94496G	6.02482G	77.253M	5.946682G	6.023935G	Inf	2

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

6225MHz

31/10/2023

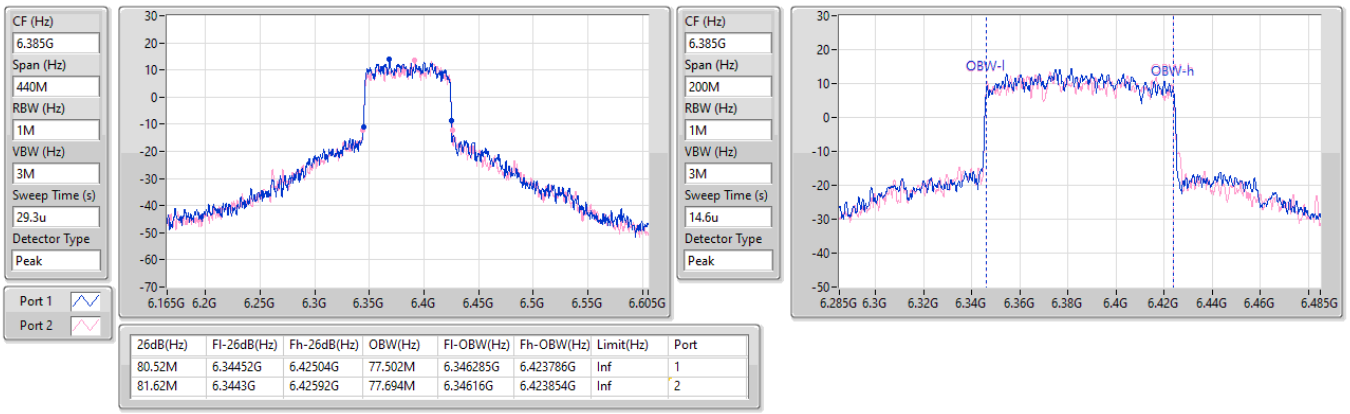


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
85.14M	6.18276G	6.2679G	77.639M	6.186313G	6.263952G	Inf	1
80.96M	6.18496G	6.26592G	77.236M	6.186392G	6.263628G	Inf	2

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

6385MHz

31/10/2023

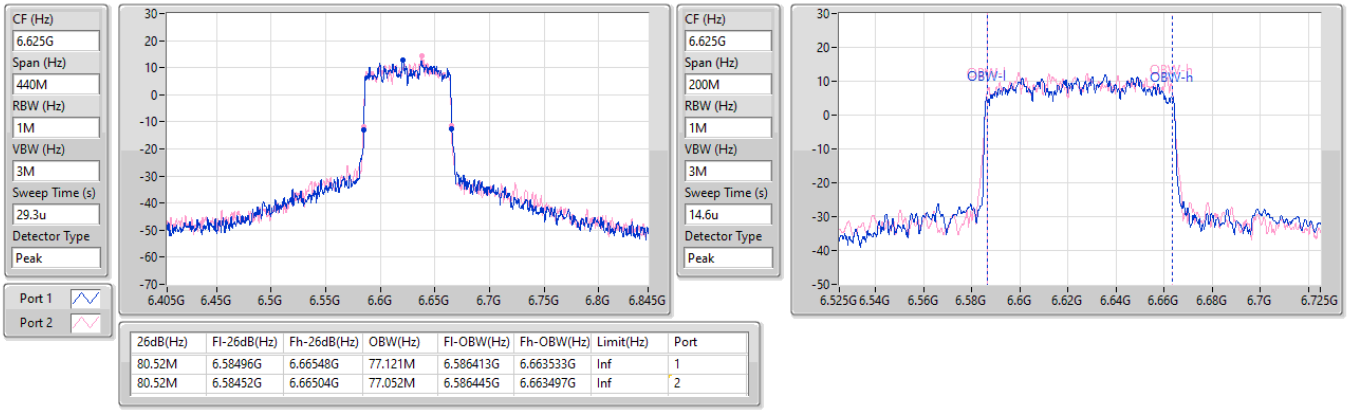


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.52M	6.34452G	6.42504G	77.502M	6.346285G	6.423786G	Inf	1
81.62M	6.3443G	6.42592G	77.694M	6.34616G	6.423854G	Inf	2

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

6625MHz

31/10/2023

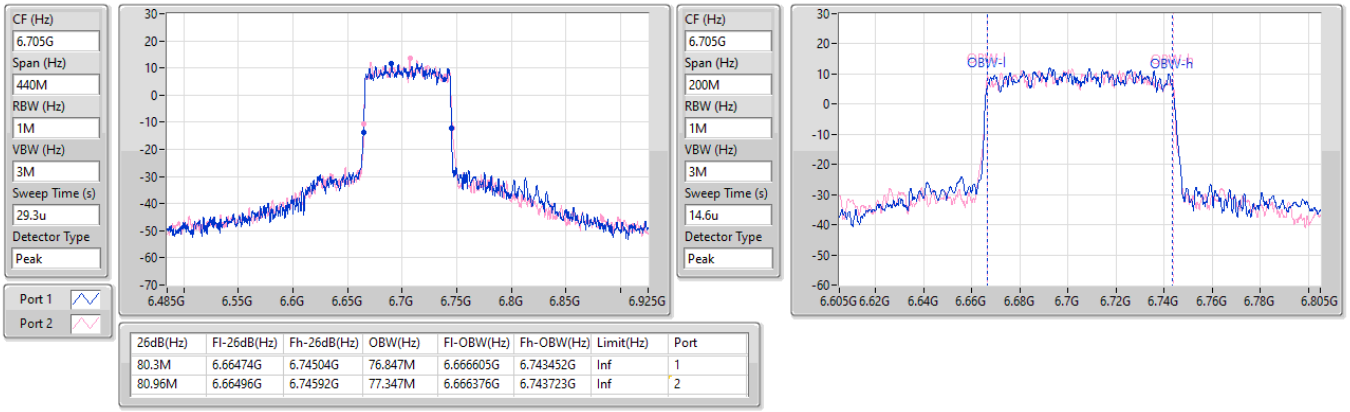


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.52M	6.58496G	6.66548G	77.121M	6.586413G	6.663533G	Inf	1
80.52M	6.58452G	6.66504G	77.052M	6.586445G	6.663497G	Inf	2

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

6705MHz

31/10/2023

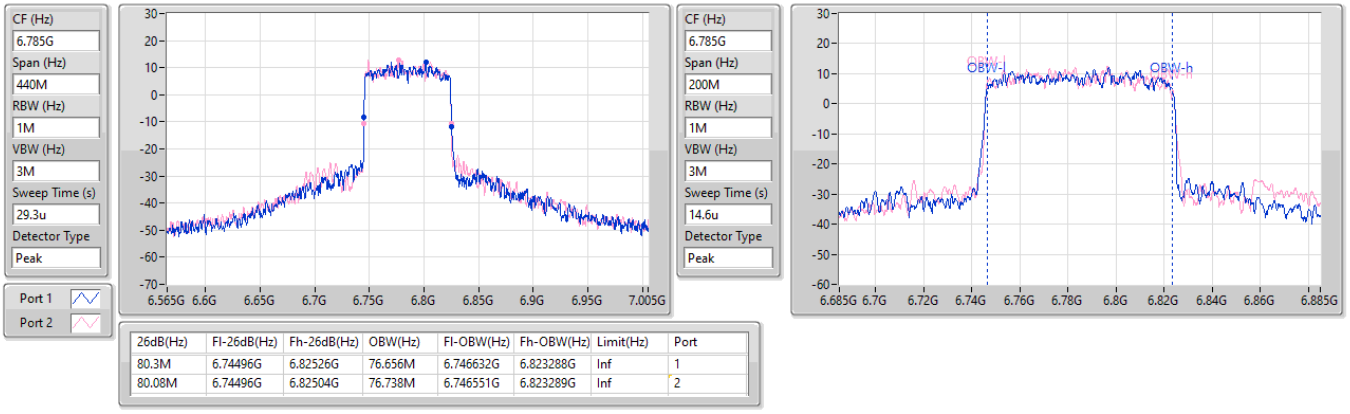


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.66474G	6.74504G	76.847M	6.666605G	6.743452G	Inf	1
80.96M	6.66496G	6.74592G	77.347M	6.666376G	6.743723G	Inf	2

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

6785MHz

31/10/2023

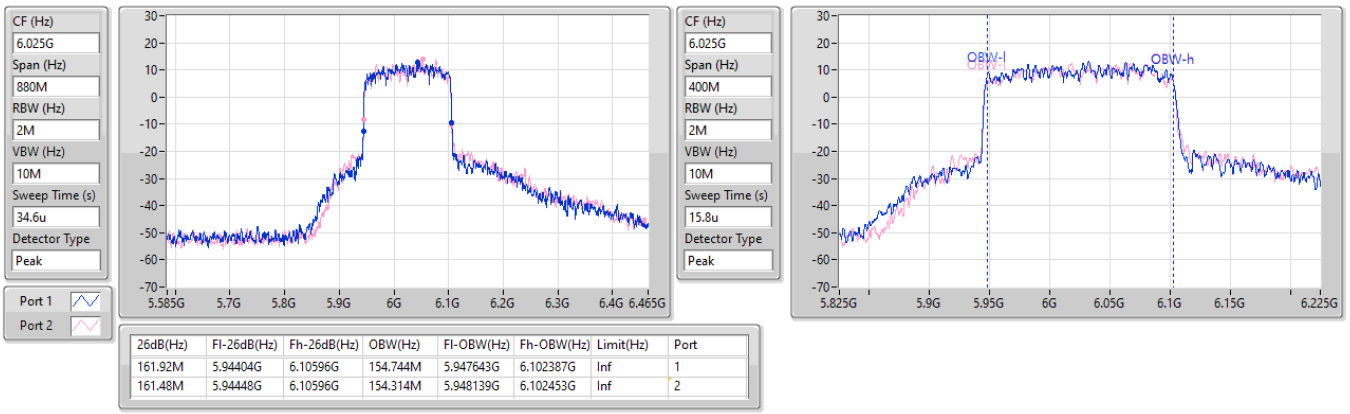


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.74496G	6.82526G	76.656M	6.746632G	6.823288G	Inf	1
80.08M	6.74496G	6.82504G	76.738M	6.746551G	6.823289G	Inf	2

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

6025MHz

31/10/2023

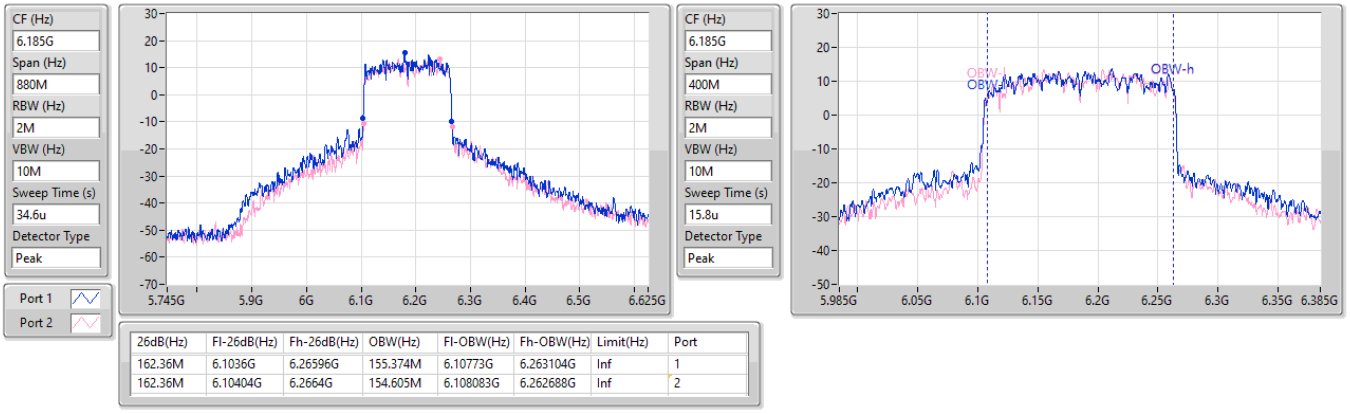


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	5.94404G	6.10596G	154.744M	5.947643G	6.102387G	Inf	1
161.48M	5.94448G	6.10596G	154.314M	5.948139G	6.102453G	Inf	2

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

6185MHz

31/10/2023

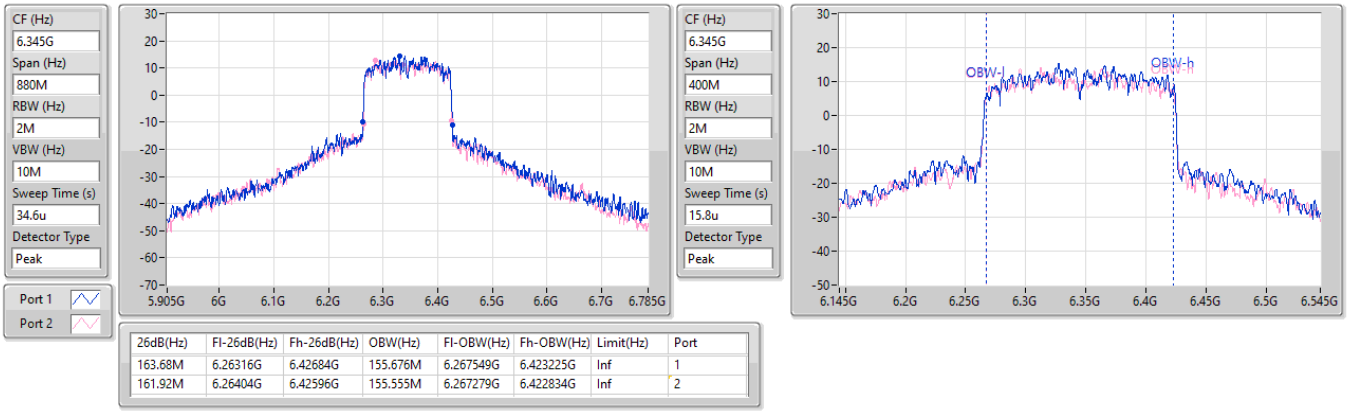


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.36M	6.1036G	6.26596G	155.374M	6.10773G	6.263104G	Inf	1
162.36M	6.10404G	6.2664G	154.605M	6.108083G	6.262688G	Inf	2

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

6345MHz

31/10/2023

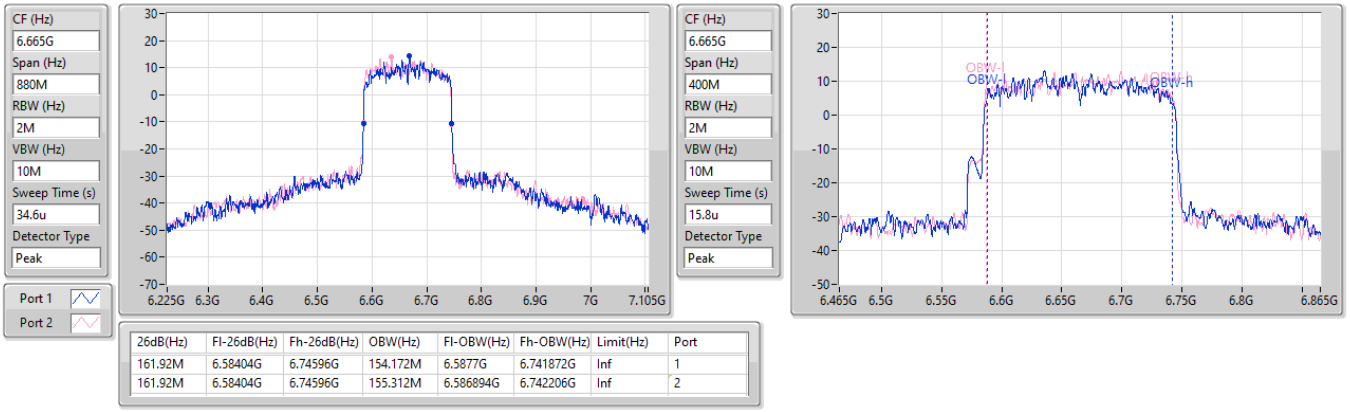


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
163.68M	6.26316G	6.42684G	155.676M	6.267549G	6.423225G	Inf	1
161.92M	6.26404G	6.42596G	155.555M	6.267279G	6.422834G	Inf	2

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

6665MHz

31/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	6.58404G	6.74596G	154.172M	6.5877G	6.741872G	Inf	1
161.92M	6.58404G	6.74596G	155.312M	6.586894G	6.742206G	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	20.35M	18.973M	19M0D1D	19.745M	18.794M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	39.6M	37.68M	37M7D1D	39.16M	37.586M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	81.18M	77.065M	77M1D1D	80.3M	76.88M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	164.56M	155.055M	155MD1D	161.92M	154.55M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.295M	18.975M	19M0D1D	19.745M	18.802M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	39.71M	37.828M	37M8D1D	38.94M	37.59M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	80.96M	77.341M	77M3D1D	80.08M	76.876M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	162.8M	155.218M	155MD1D	161.92M	152.874M

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

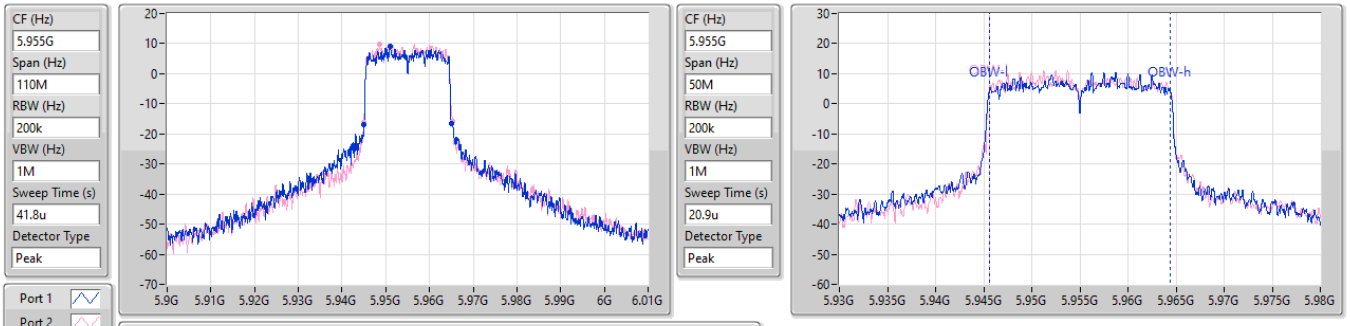
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5955MHz	Pass	Inf	20.02M	18.865M	20.295M	18.837M
6195MHz	Pass	Inf	20.185M	18.794M	20.35M	18.973M
6415MHz	Pass	Inf	19.745M	18.897M	20.075M	18.9M
6535MHz	Pass	Inf	19.745M	18.835M	20.295M	18.946M
6695MHz	Pass	Inf	20.02M	18.879M	20.24M	18.975M
6855MHz	Pass	Inf	20.24M	18.802M	19.91M	18.922M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5965MHz	Pass	Inf	39.38M	37.586M	39.38M	37.68M
6205MHz	Pass	Inf	39.49M	37.621M	39.16M	37.628M
6405MHz	Pass	Inf	39.6M	37.619M	39.49M	37.607M
6565MHz	Pass	Inf	39.05M	37.736M	39.71M	37.59M
6685MHz	Pass	Inf	38.94M	37.828M	38.94M	37.725M
6845MHz	Pass	Inf	39.16M	37.623M	39.16M	37.649M
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
5985MHz	Pass	Inf	81.18M	77.065M	80.96M	76.88M
6225MHz	Pass	Inf	80.3M	76.925M	80.96M	76.966M
6385MHz	Pass	Inf	80.74M	76.996M	80.3M	76.935M
6625MHz	Pass	Inf	80.3M	77.341M	80.3M	77.291M
6705MHz	Pass	Inf	80.08M	77.333M	80.08M	76.876M
6785MHz	Pass	Inf	80.96M	76.891M	80.52M	77.055M
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
6025MHz	Pass	Inf	164.56M	154.97M	161.92M	154.55M
6185MHz	Pass	Inf	162.8M	155.055M	163.24M	154.772M
6345MHz	Pass	Inf	162.8M	154.656M	161.92M	154.812M
6665MHz	Pass	Inf	161.92M	155.218M	162.8M	152.874M

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

26/10/2023

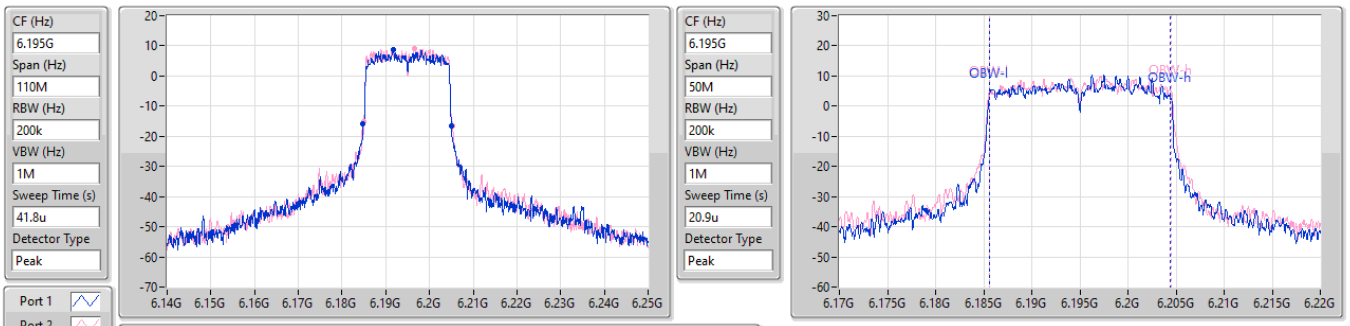


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.02M	5.945045G	5.965065G	18.865M	5.945569G	5.964434G	Inf	1
20.295M	5.94499G	5.965285G	18.837M	5.945595G	5.964432G	Inf	2

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

6195MHz

26/10/2023

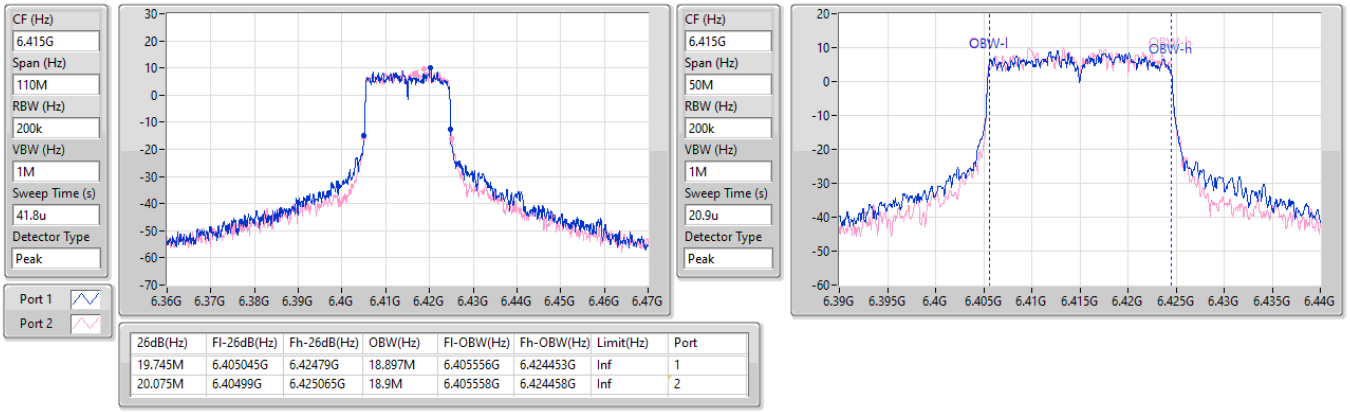


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.185M	6.184825G	6.20501G	18.794M	6.185626G	6.20442G	Inf	1
20.35M	6.184935G	6.205285G	18.973M	6.185558G	6.204531G	Inf	2

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

6415MHz

26/10/2023

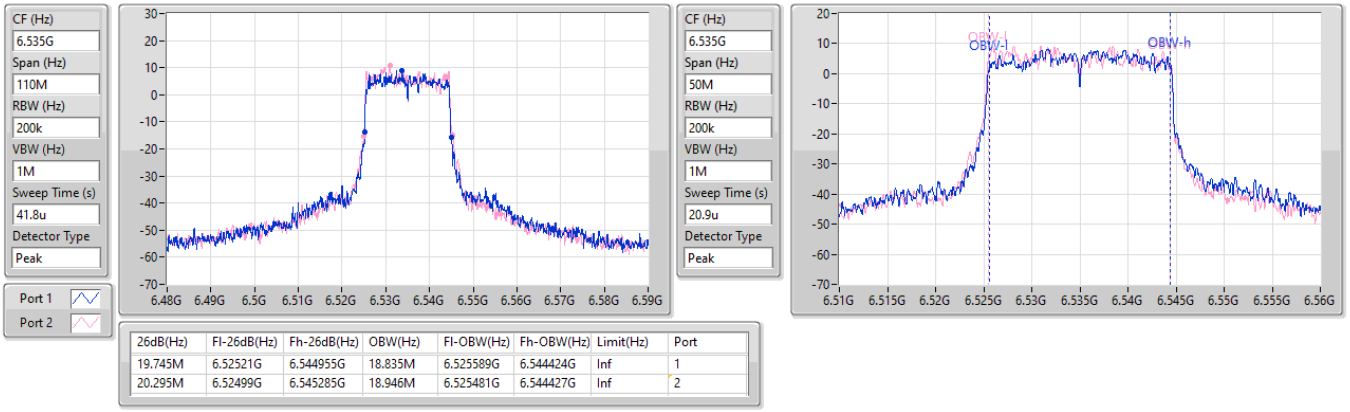


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.745M	6.405045G	6.42479G	18.897M	6.405556G	6.424453G	Inf	1
20.075M	6.40499G	6.425065G	18.9M	6.405558G	6.424458G	Inf	2

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

6535MHz

26/10/2023

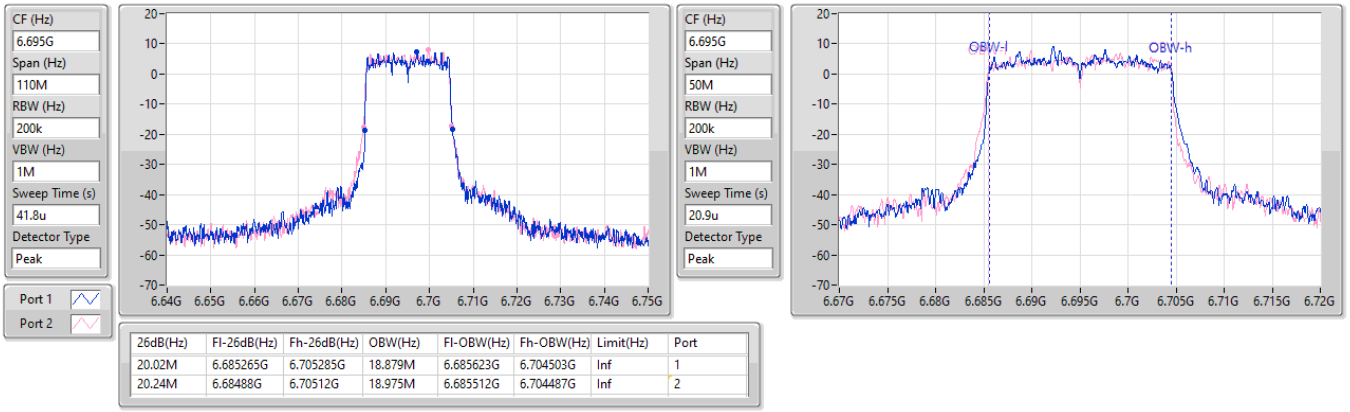


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.745M	6.52521G	6.544955G	18.835M	6.525589G	6.544424G	Inf	1
20.295M	6.52499G	6.545285G	18.946M	6.525481G	6.544427G	Inf	2

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

6695MHz

26/10/2023

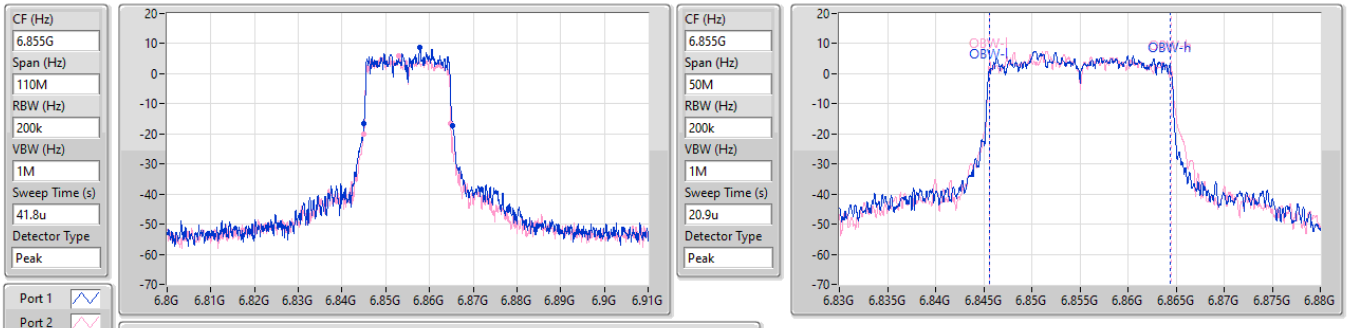


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.02M	6.685265G	6.705285G	18.879M	6.685623G	6.704503G	Inf	1
20.24M	6.68488G	6.70512G	18.975M	6.685512G	6.704487G	Inf	2

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

6855MHz

26/10/2023

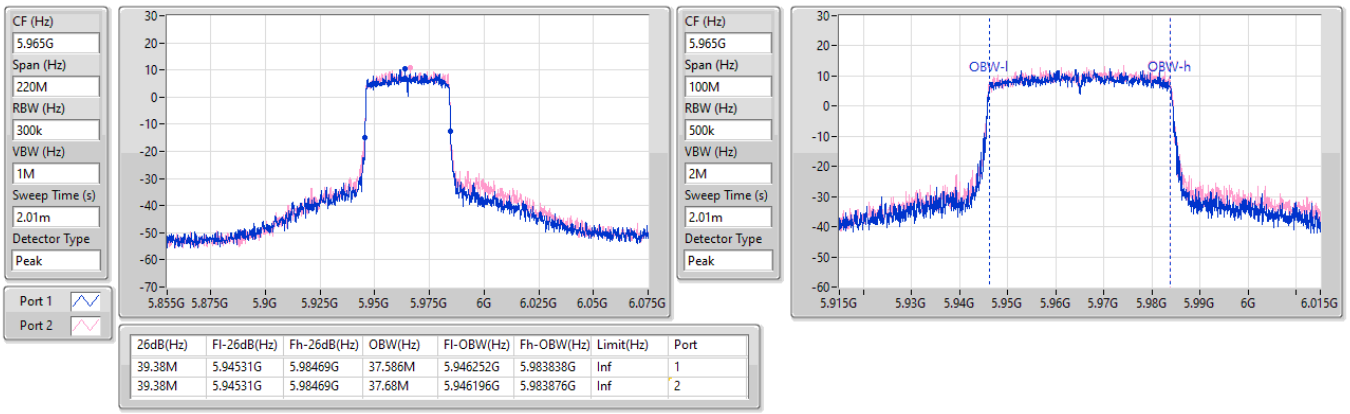


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
20.24M	6.84499G	6.86523G	18.802M	6.845624G	6.864425G	Inf	1
19.91M	6.84499G	6.8649G	18.922M	6.845578G	6.864501G	Inf	2

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

5965MHz

27/10/2023

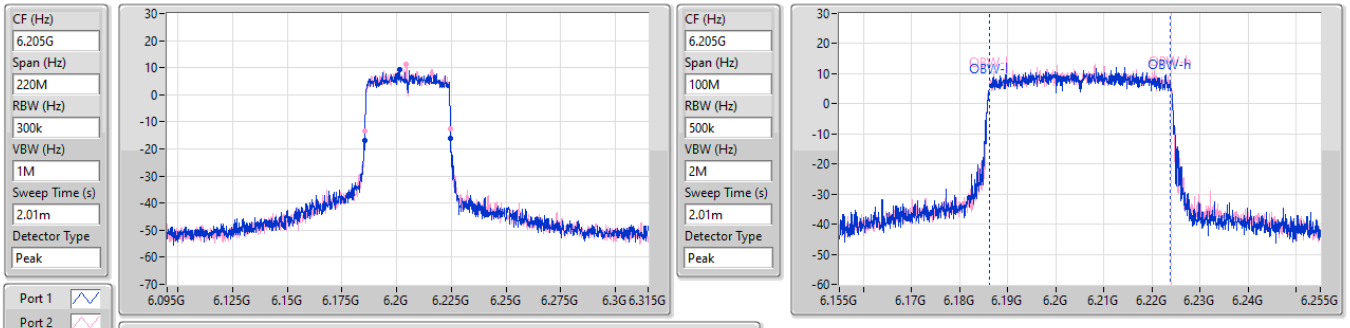


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.38M	5.94531G	5.98469G	37.586M	5.946252G	5.983838G	Inf	1
39.38M	5.94531G	5.98469G	37.68M	5.946196G	5.983876G	Inf	2

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

6205MHz

27/10/2023

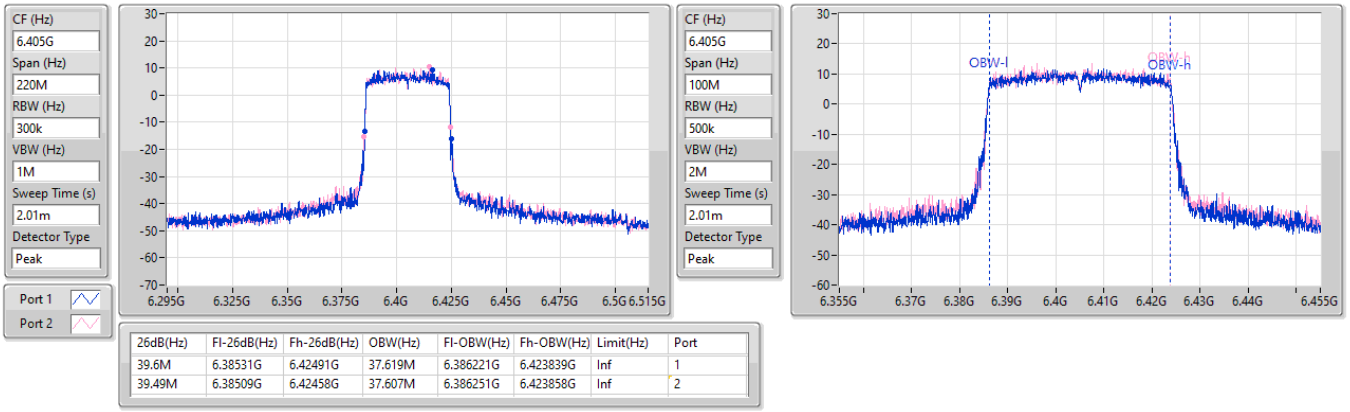


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.49M	6.18531G	6.2248G	37.621M	6.186249G	6.22387G	Inf	1
39.16M	6.18542G	6.22458G	37.628M	6.186301G	6.223929G	Inf	2

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

6405MHz

27/10/2023

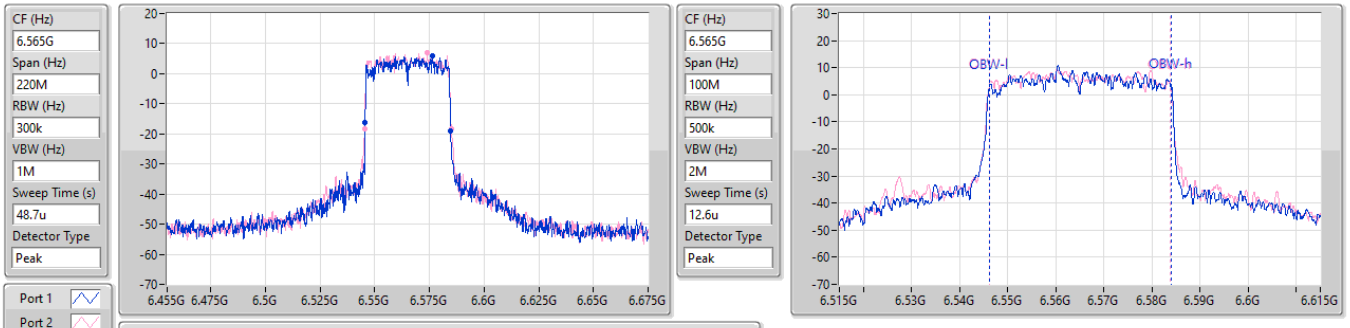


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.6M	6.38531G	6.42491G	37.619M	6.386221G	6.423839G	Inf	1
39.49M	6.38509G	6.42458G	37.607M	6.386251G	6.423858G	Inf	2

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

6565MHz

26/10/2023

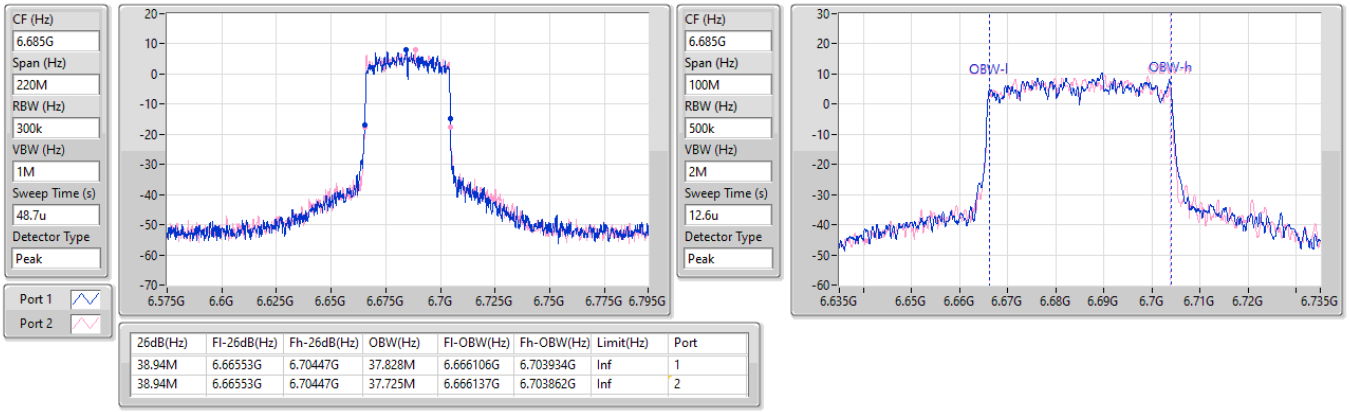


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.05M	6.54564G	6.58469G	37.736M	6.546232G	6.583968G	Inf	1
39.71M	6.54531G	6.58502G	37.59M	6.546216G	6.583807G	Inf	2

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

6685MHz

26/10/2023

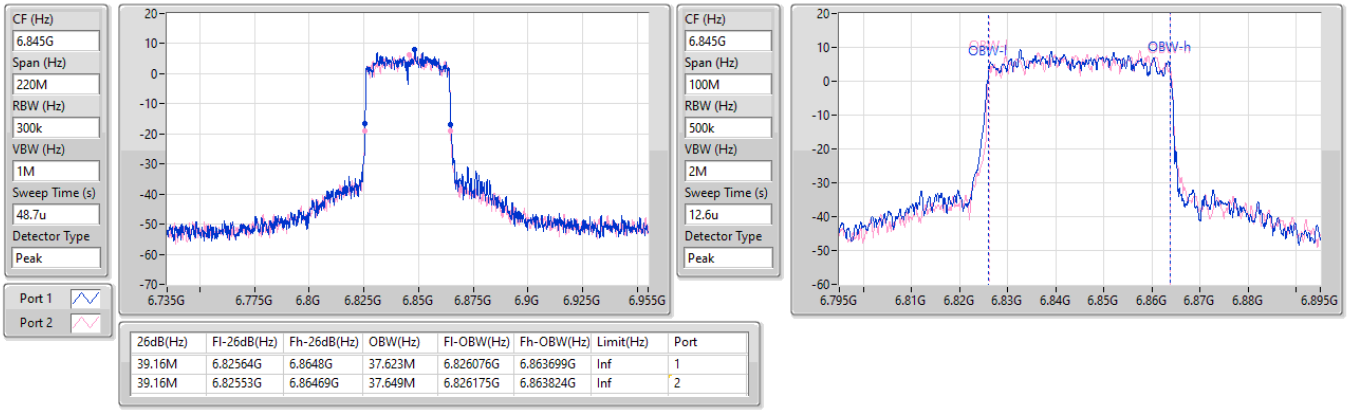


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
38.94M	6.66553G	6.70447G	37.828M	6.666106G	6.703934G	Inf	1
38.94M	6.66553G	6.70447G	37.725M	6.666137G	6.703862G	Inf	2

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

6845MHz

26/10/2023

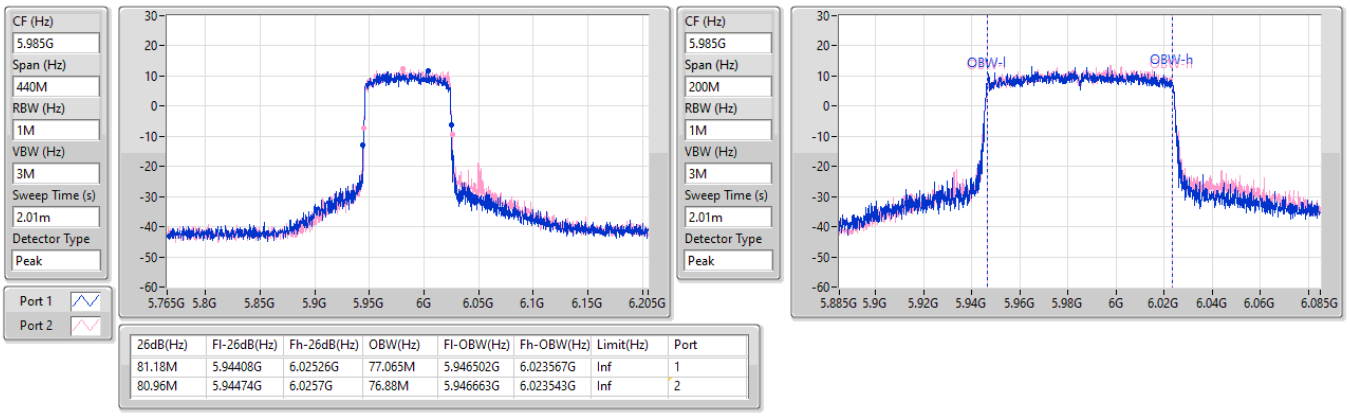


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
39.16M	6.82564G	6.8648G	37.623M	6.826076G	6.863699G	Inf	1
39.16M	6.82553G	6.86469G	37.649M	6.826175G	6.863824G	Inf	2

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

5985MHz

27/10/2023

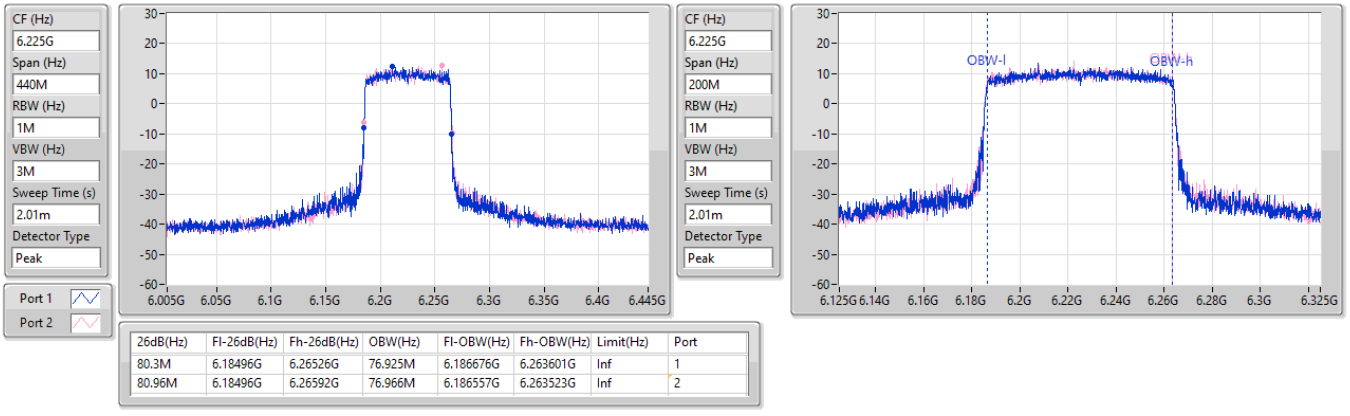


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
81.18M	5.94408G	6.02526G	77.065M	5.946502G	6.023567G	Inf	1
80.96M	5.94474G	6.0257G	76.88M	5.946663G	6.023543G	Inf	2

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

6225MHz

27/10/2023

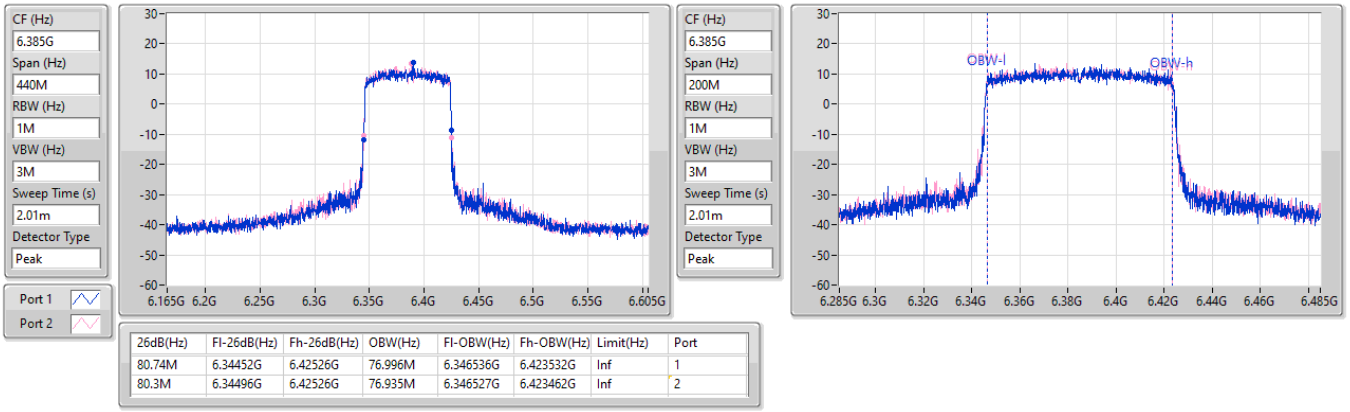


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.18496G	6.26526G	76.925M	6.186676G	6.263601G	Inf	1
80.96M	6.18496G	6.26592G	76.966M	6.186557G	6.263523G	Inf	2

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

6385MHz

27/10/2023

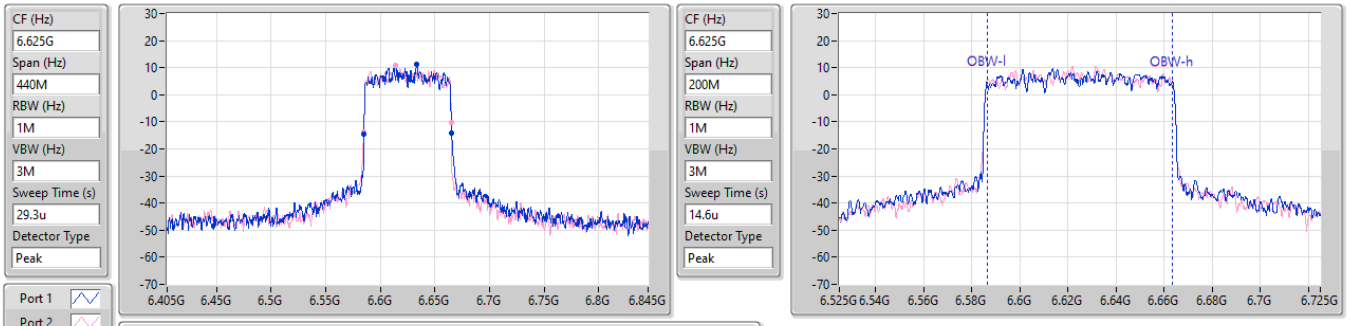


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.74M	6.34452G	6.42526G	76.996M	6.346536G	6.423532G	Inf	1
80.3M	6.34496G	6.42526G	76.935M	6.346527G	6.423462G	Inf	2

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

6625MHz

26/10/2023

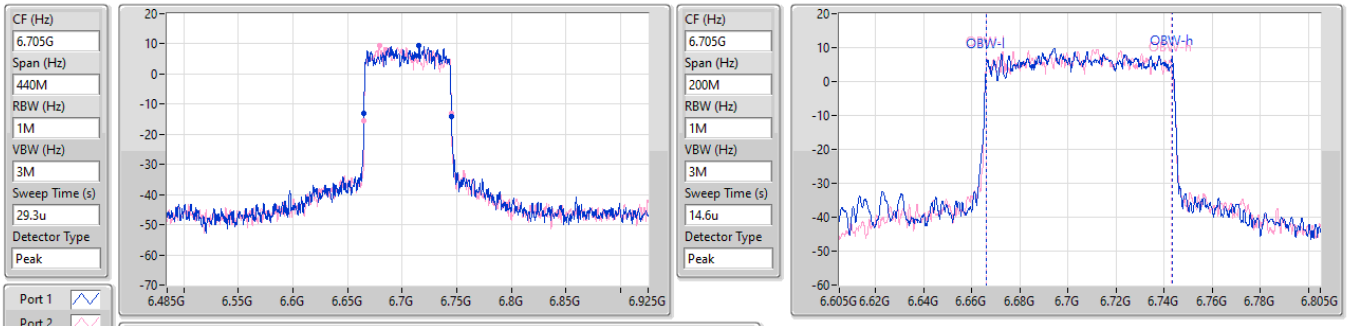


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.3M	6.58496G	6.66526G	77.341M	6.586319G	6.663661G	Inf	1
80.3M	6.58474G	6.66504G	77.291M	6.586346G	6.663638G	Inf	2

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

6705MHz

26/10/2023

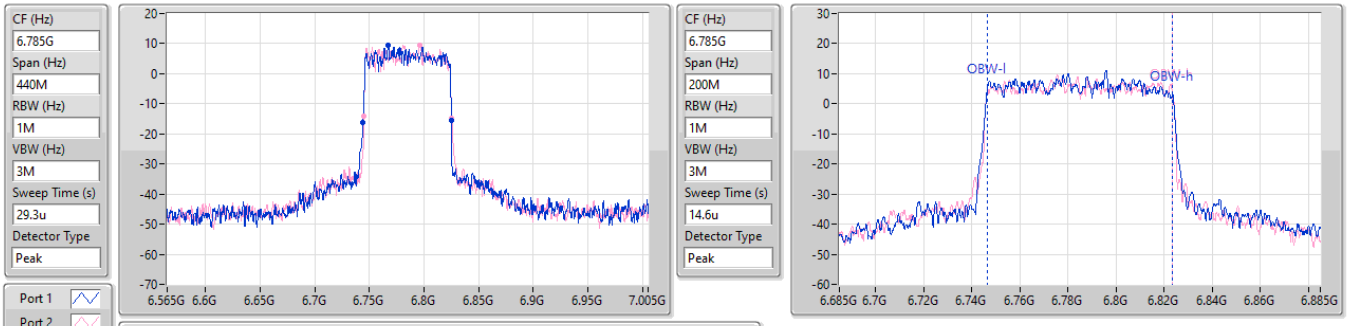


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.08M	6.66496G	6.74504G	77.333M	6.666292G	6.743626G	Inf	1
80.08M	6.66496G	6.74504G	76.876M	6.666233G	6.743109G	Inf	2

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

6785MHz

26/10/2023

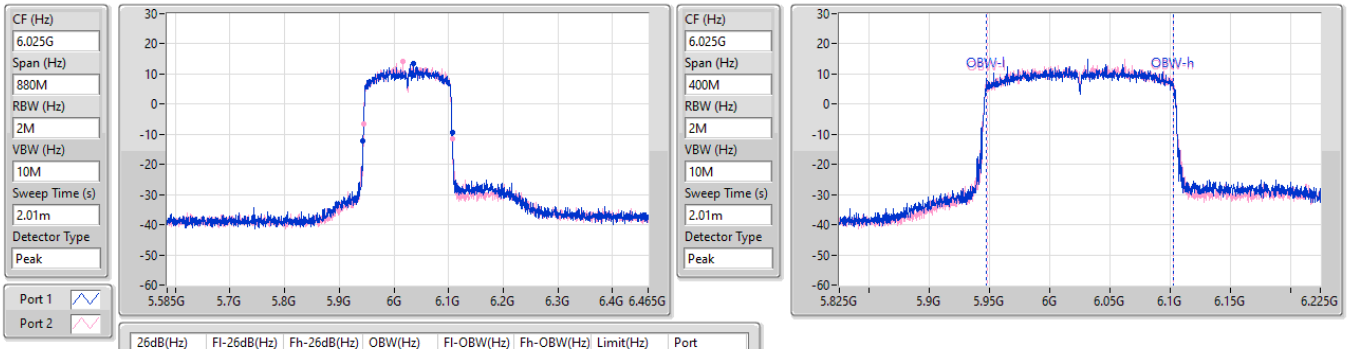


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
80.96M	6.74408G	6.82504G	76.891M	6.7465G	6.823391G	Inf	1
80.52M	6.74496G	6.82548G	77.055M	6.746471G	6.823527G	Inf	2

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

6025MHz

27/10/2023

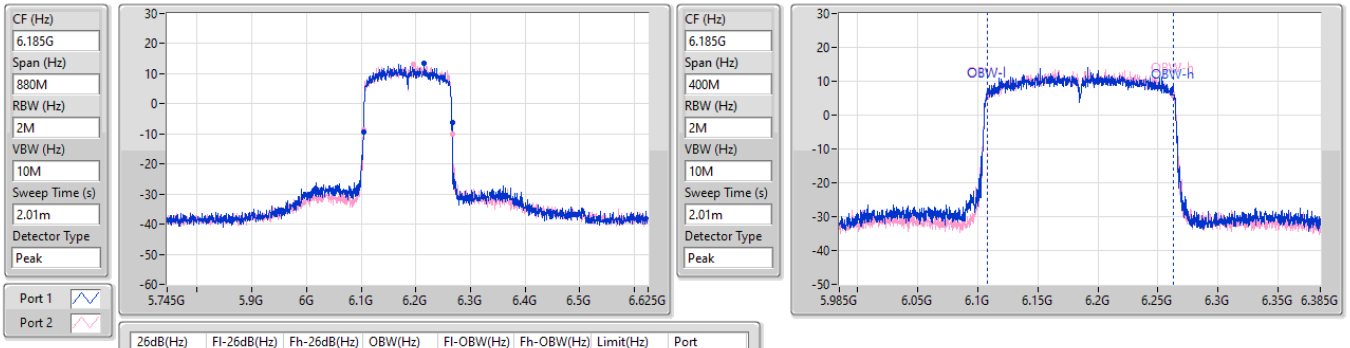


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
164.56M	5.94228G	6.10684G	154.97M	5.947544G	6.102514G	Inf	1
161.92M	5.94448G	6.1064G	154.55M	5.947941G	6.102491G	Inf	2

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

6185MHz

27/10/2023

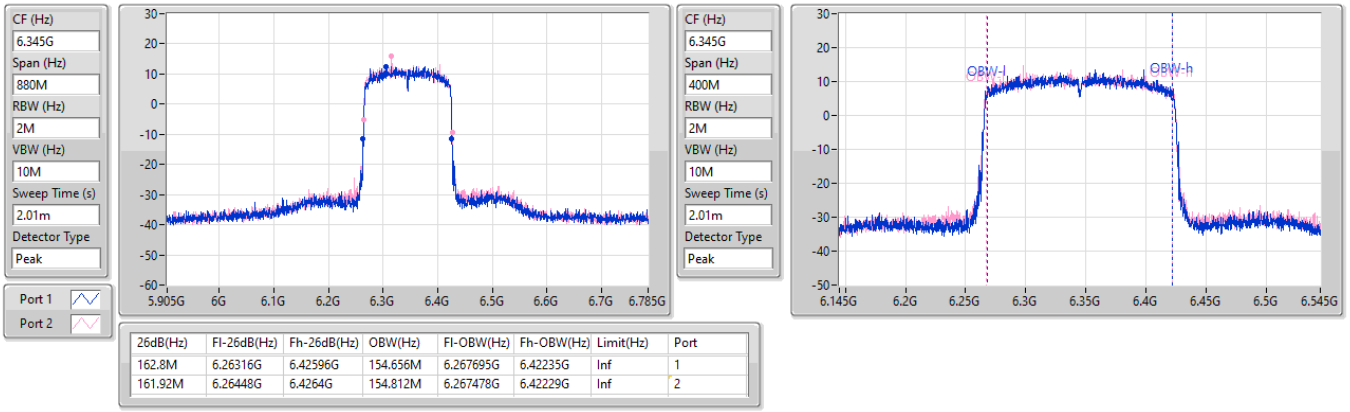


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.8M	6.10404G	6.26684G	155.055M	6.107655G	6.262711G	Inf	1
163.24M	6.10404G	6.26728G	154.772M	6.107894G	6.262666G	Inf	2

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

6345MHz

27/10/2023

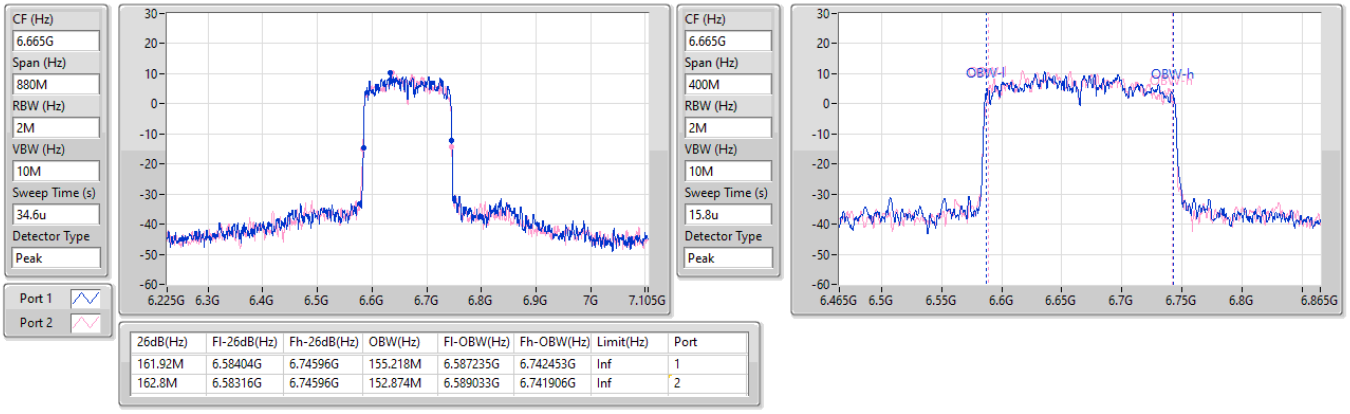


26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
162.8M	6.26316G	6.42596G	154.656M	6.267695G	6.42235G	Inf	1
161.92M	6.26448G	6.4264G	154.812M	6.267478G	6.42229G	Inf	2

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

6665MHz

26/10/2023



26dB(Hz)	Fl-26dB(Hz)	Fh-26dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
161.92M	6.58404G	6.74596G	155.218M	6.587235G	6.742453G	Inf	1
162.8M	6.58316G	6.74596G	152.874M	6.589033G	6.741906G	Inf	2

Summary

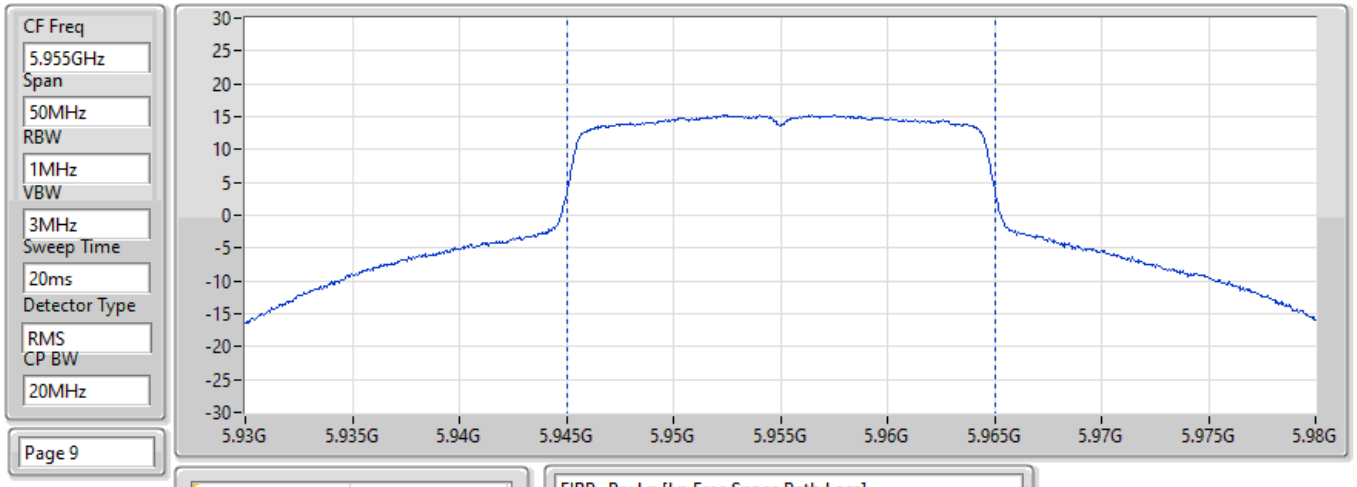
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	28.44	0.69823
802.11ax HEW40_Nss1,(MCS0)_1TX	29.13	0.81846
802.11ax HEW80_Nss1,(MCS0)_1TX	28.39	0.69024
802.11ax HEW160_Nss1,(MCS0)_1TX	28.57	0.71945
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	28.24	0.66681
802.11ax HEW40_Nss1,(MCS0)_1TX	28.08	0.64269
802.11ax HEW80_Nss1,(MCS0)_1TX	28.77	0.75336
802.11ax HEW160_Nss1,(MCS0)_1TX	27.27	0.53333

Result

Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	28.43	36.00
6195MHz	Pass	28.44	36.00
6415MHz	Pass	28.26	36.00
6535MHz	Pass	27.40	36.00
6695MHz	Pass	28.24	36.00
6855MHz	Pass	28.04	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	25.89	36.00
6205MHz	Pass	28.46	36.00
6405MHz	Pass	29.13	36.00
6565MHz	Pass	28.08	36.00
6685MHz	Pass	28.03	36.00
6845MHz	Pass	28.07	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	25.86	36.00
6225MHz	Pass	28.39	36.00
6385MHz	Pass	28.35	36.00
6625MHz	Pass	27.91	36.00
6705MHz	Pass	28.77	36.00
6785MHz	Pass	28.34	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	27.75	36.00
6185MHz	Pass	28.57	36.00
6345MHz	Pass	28.56	36.00
6665MHz	Pass	27.27	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

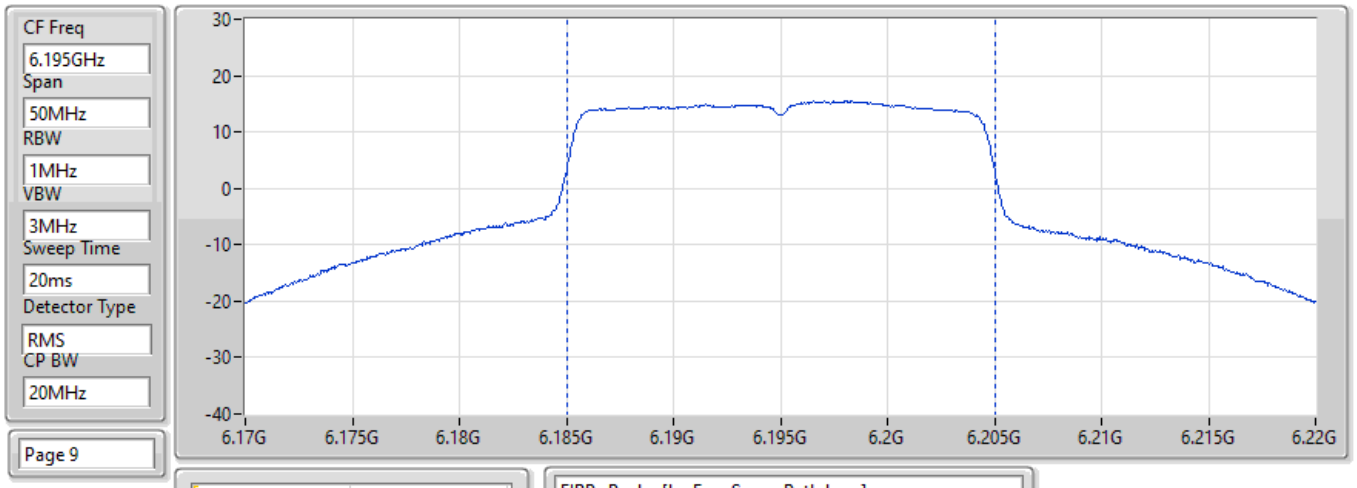


EIRP (dBm)
28.43

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.78	10.71	6.34	33.52	57.54

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

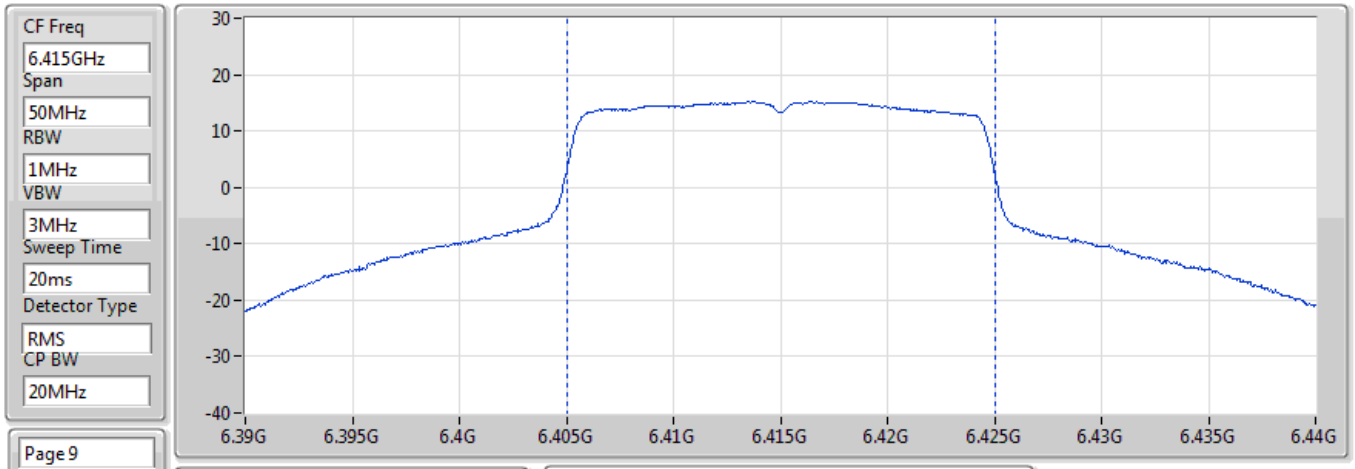


EIRP (dBm)
28.44

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.30	10.81	6.60	33.53	57.88

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

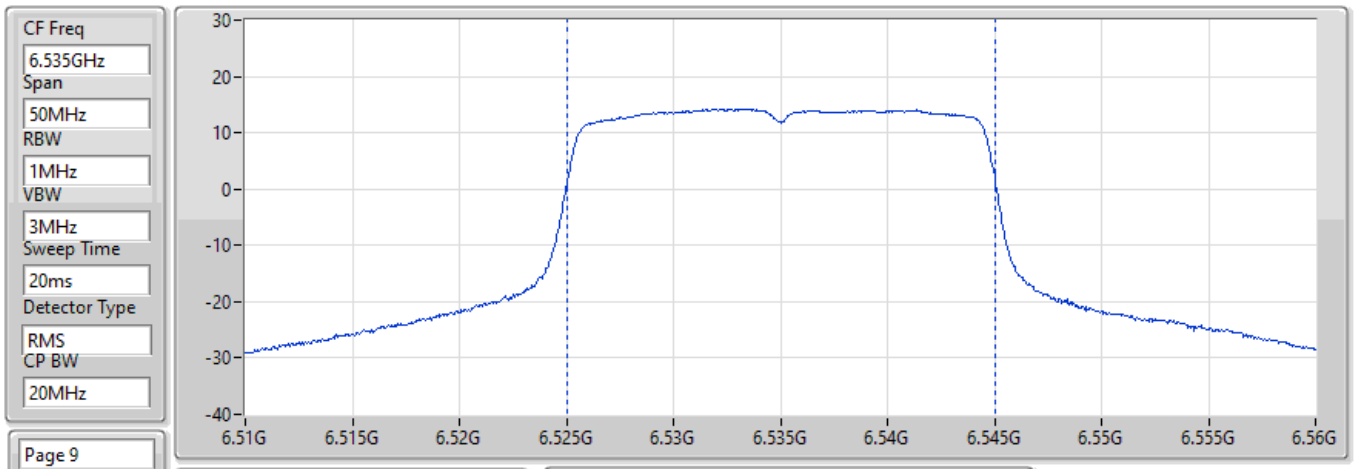


EIRP (dBm)
28.26

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.04	11.10	6.65	33.52	58.19

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

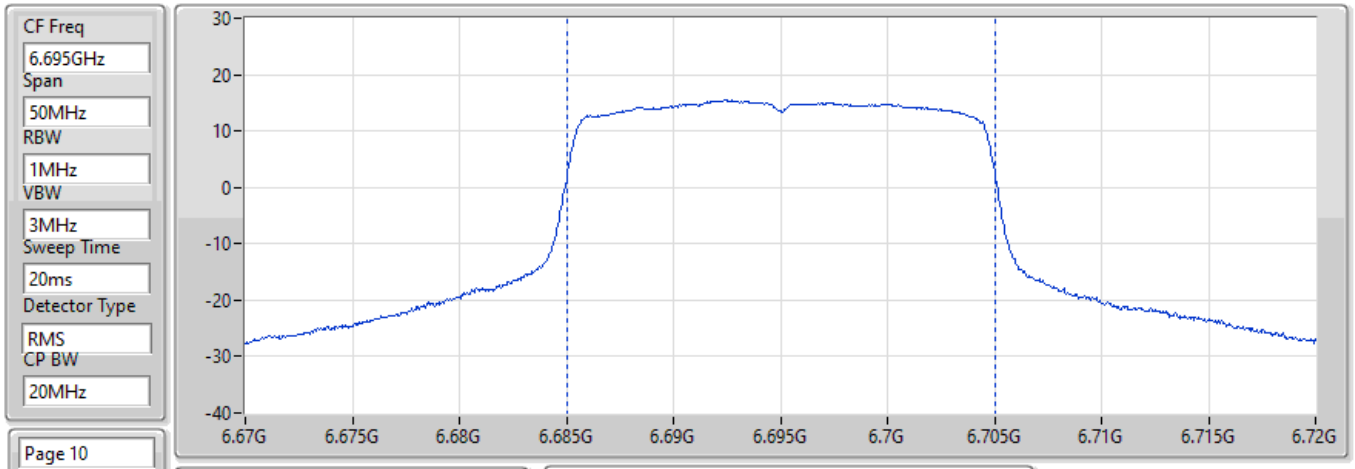


EIRP (dBm)
27.4

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.89	11.06	6.77	33.55	58.35

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

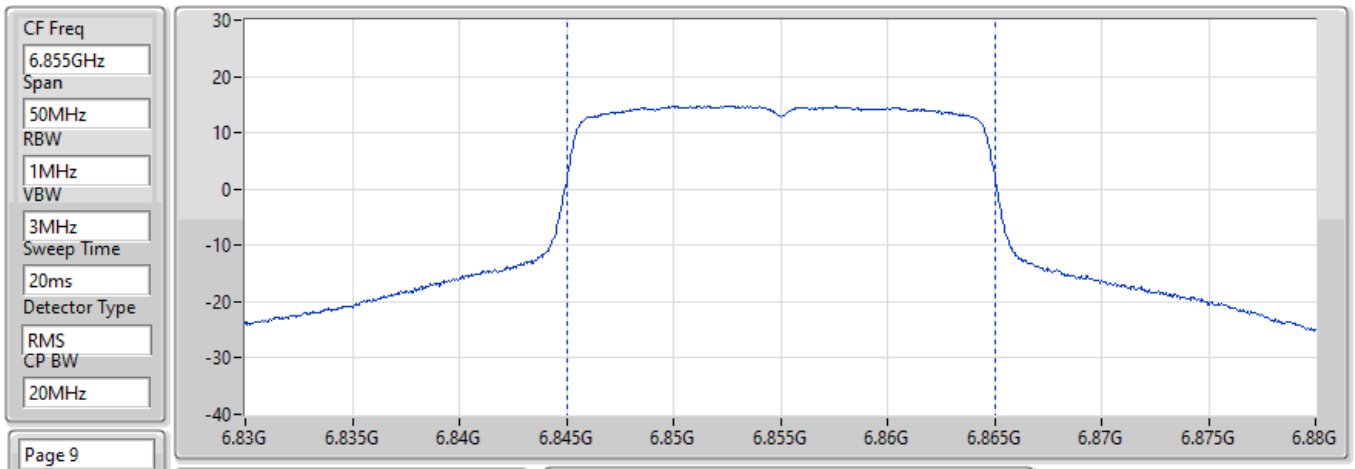


EIRP (dBm)
28.24

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.34	10.81	6.85	33.70	58.56

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

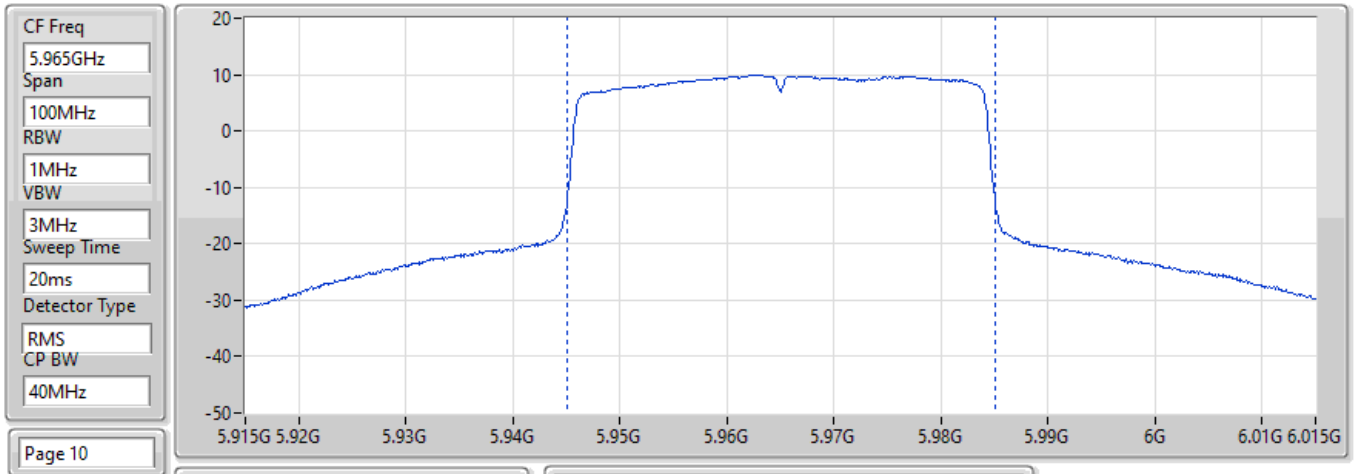


EIRP (dBm)
28.04

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.93	10.71	6.90	33.84	58.76

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

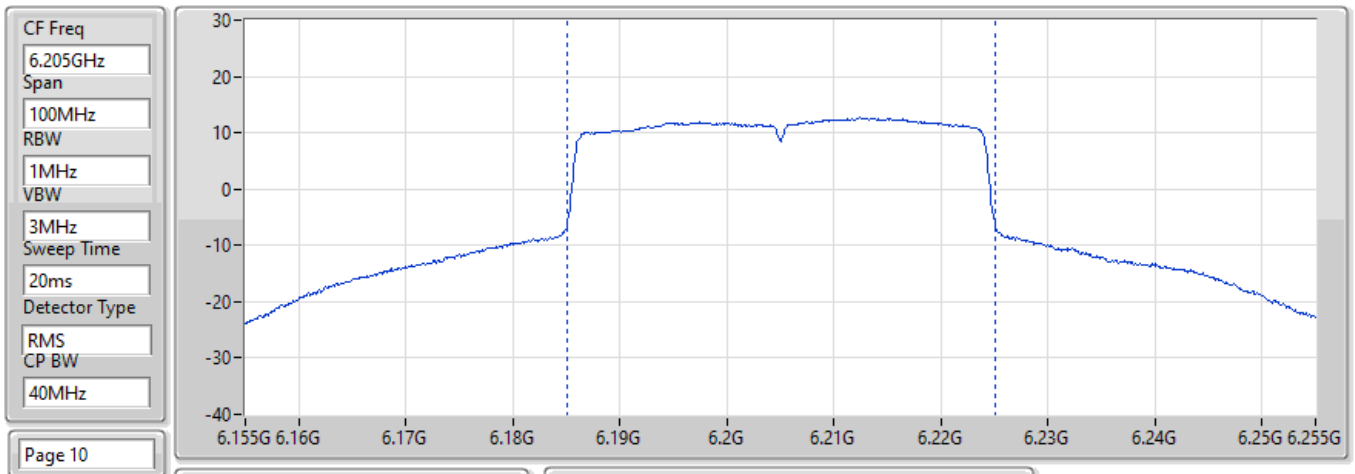


EIRP (dBm)
25.89

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.24	10.73	6.35	33.52	57.55

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

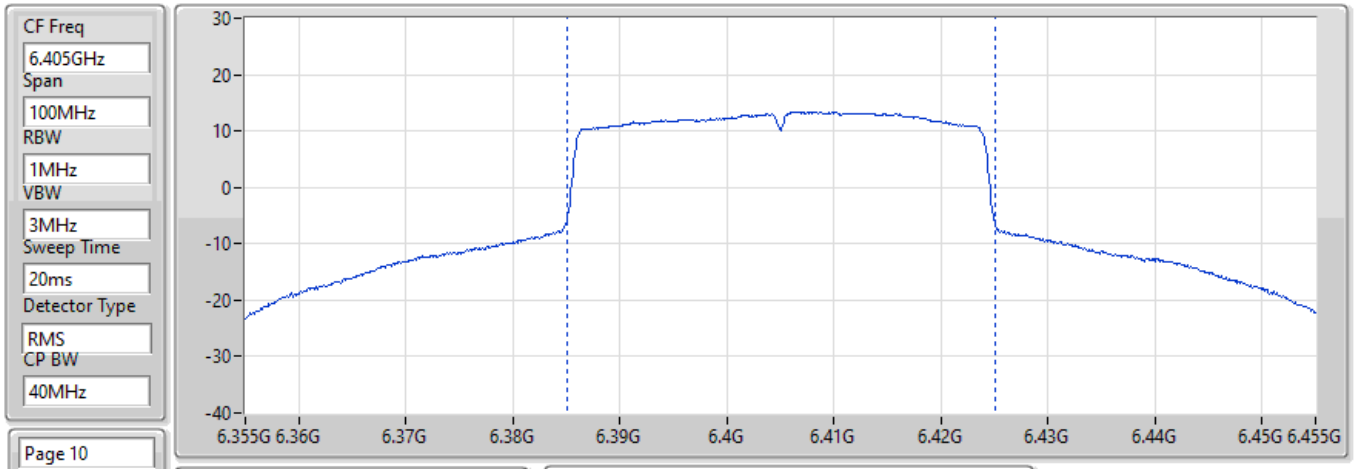


EIRP (dBm)
28.46

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.29	10.81	6.61	33.53	57.90

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

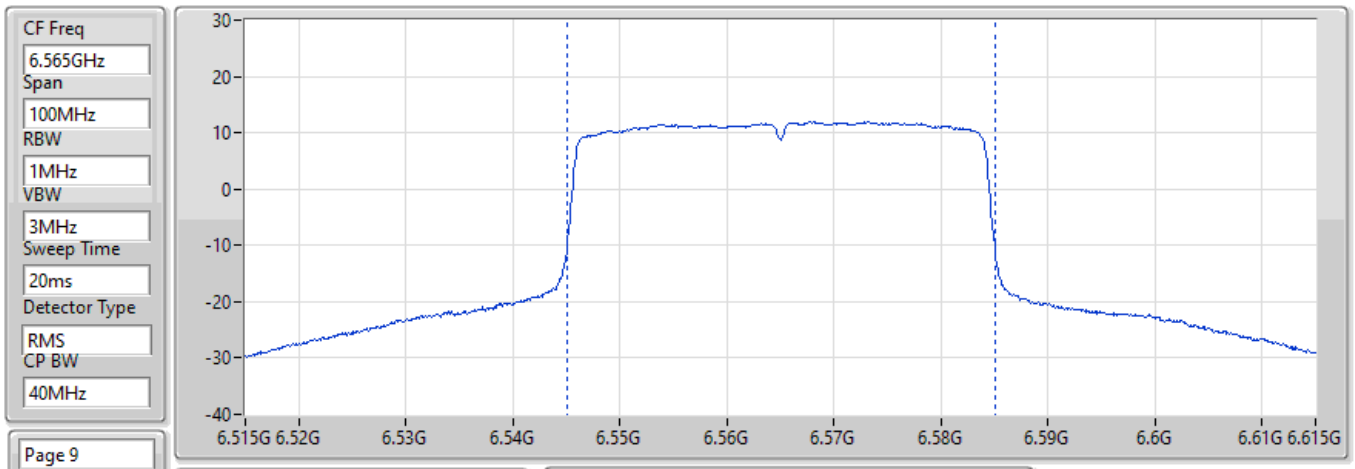


EIRP (dBm)
29.13

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.94	11.10	6.64	33.52	58.17

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

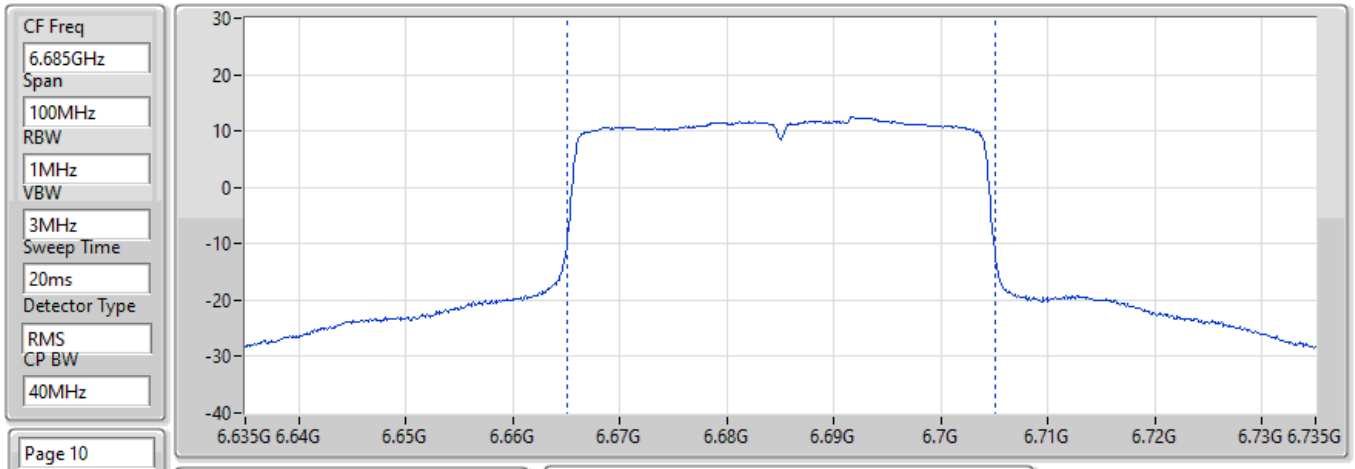


EIRP (dBm)
28.08

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.41	10.94	6.80	33.58	58.39

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

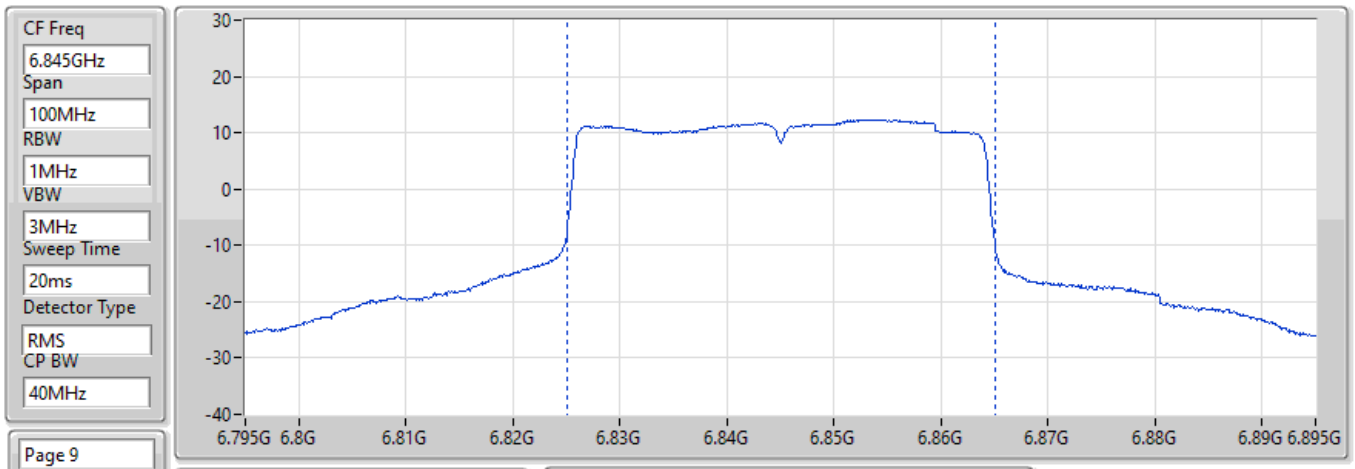


EIRP (dBm)
28.03

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.16	10.83	6.85	33.69	58.54

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

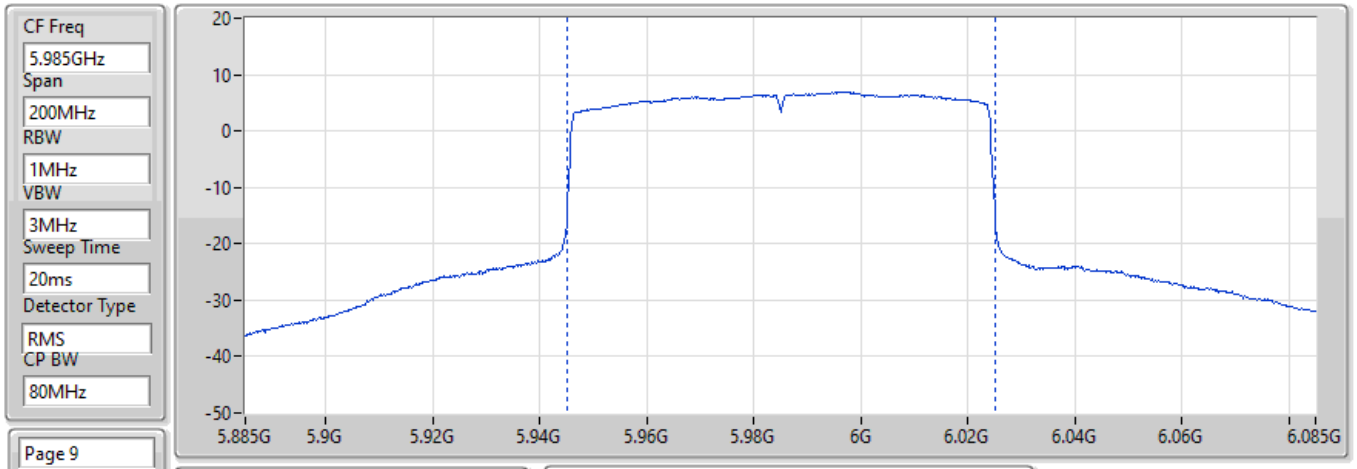


EIRP (dBm)
28.07

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.96	10.70	6.89	33.83	58.75

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

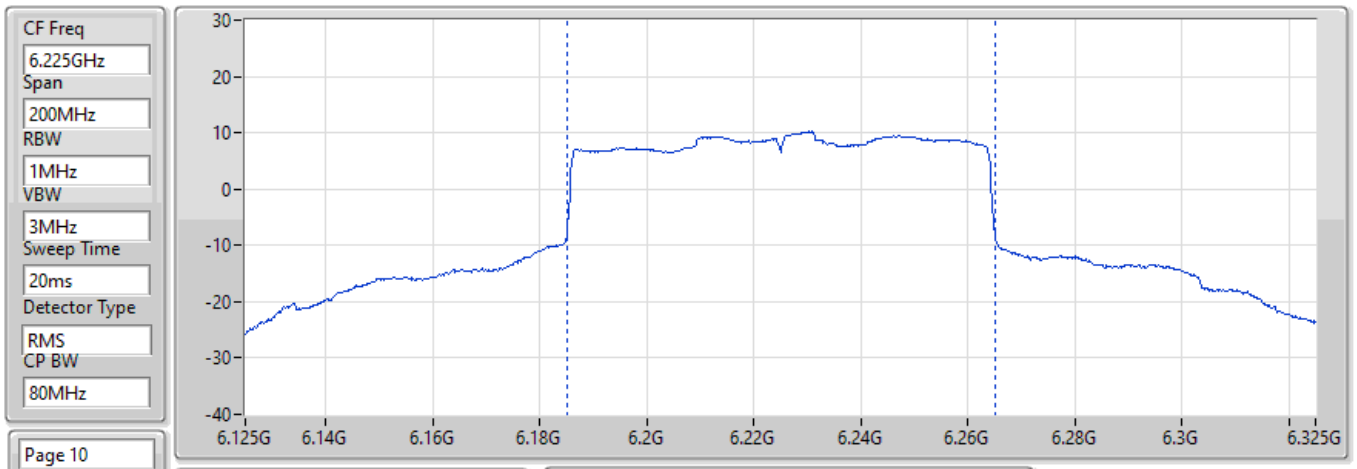


EIRP (dBm)
25.86

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.21	10.77	6.37	33.53	57.58

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

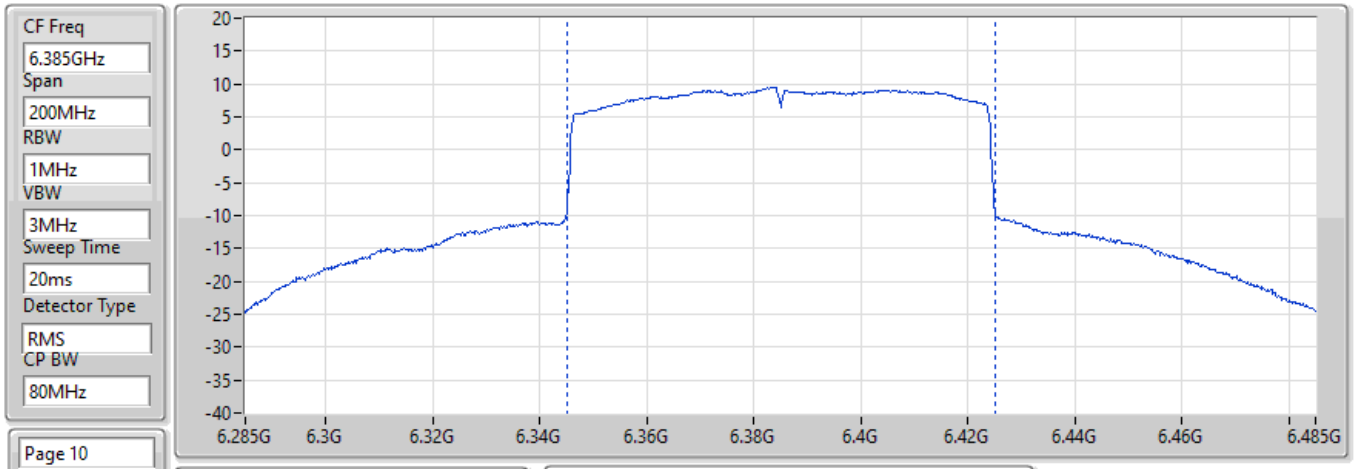


EIRP (dBm)
28.39

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.23	10.85	6.61	33.53	57.93

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

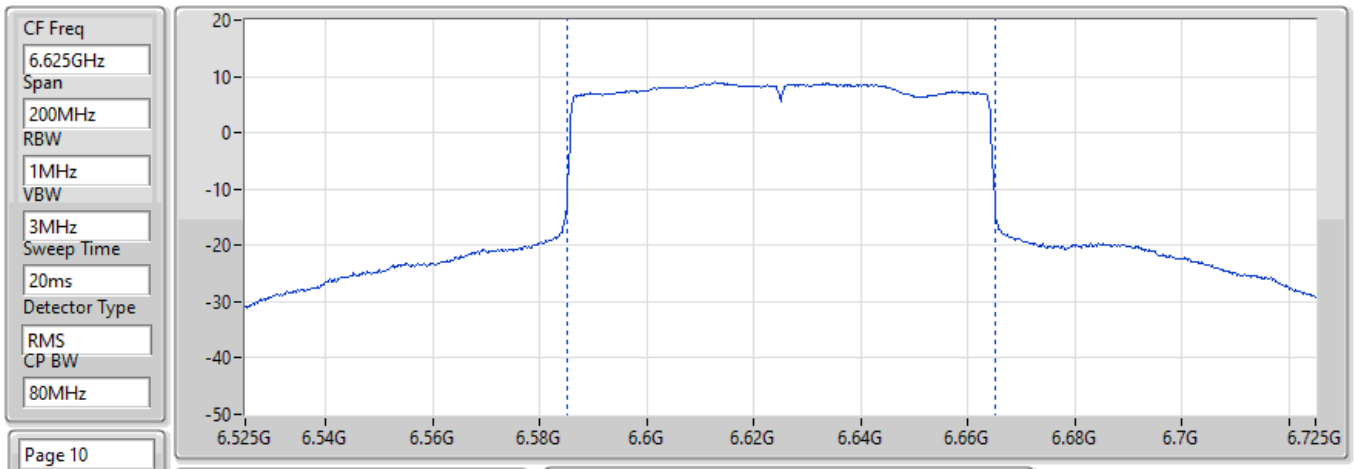


EIRP (dBm)
28.35

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.22	11.13	6.63	33.52	58.15

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

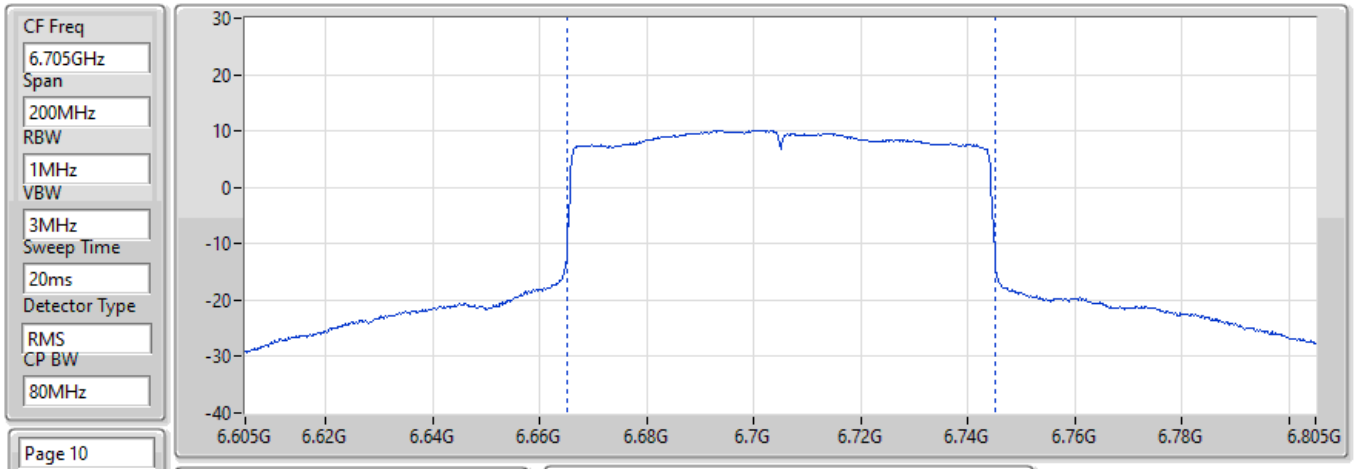


EIRP (dBm)
27.91

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.08	10.85	6.84	33.63	58.47

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

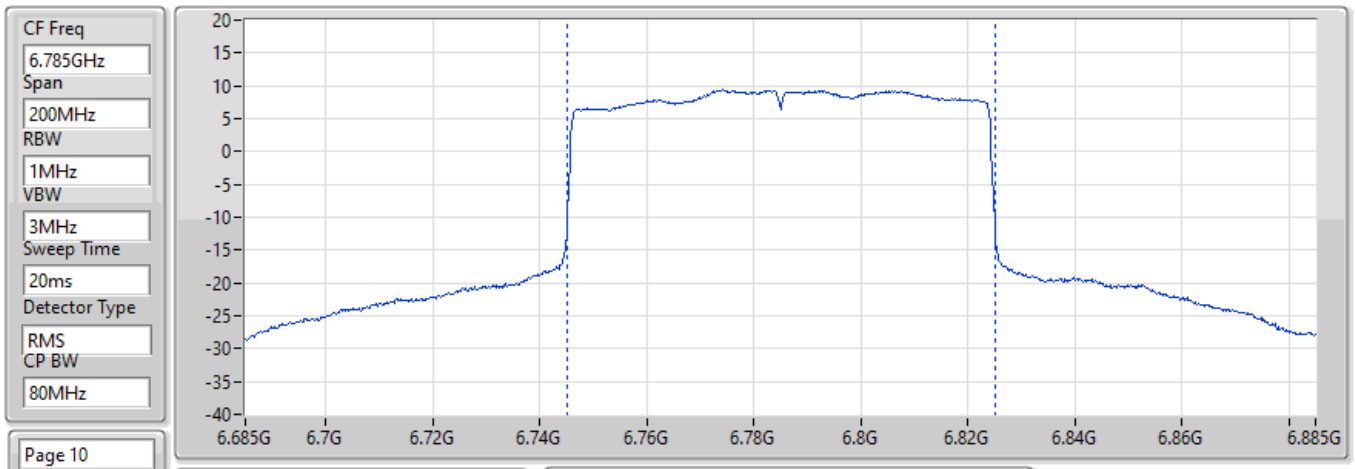


EIRP (dBm)
28.77

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.84	10.79	6.85	33.70	58.57

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

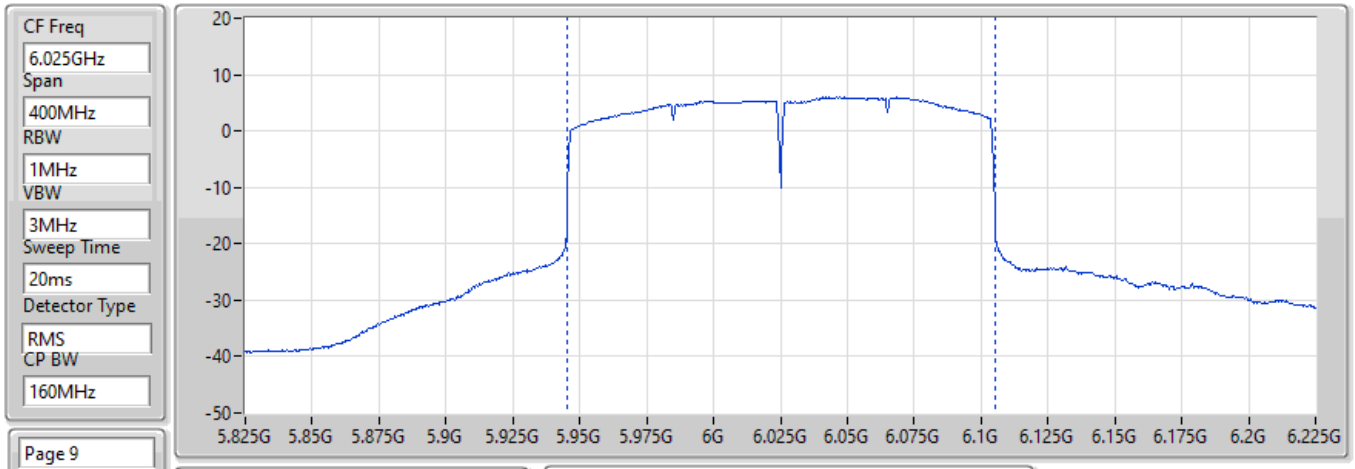


EIRP (dBm)
28.34

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.29	10.70	6.86	33.78	58.67

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

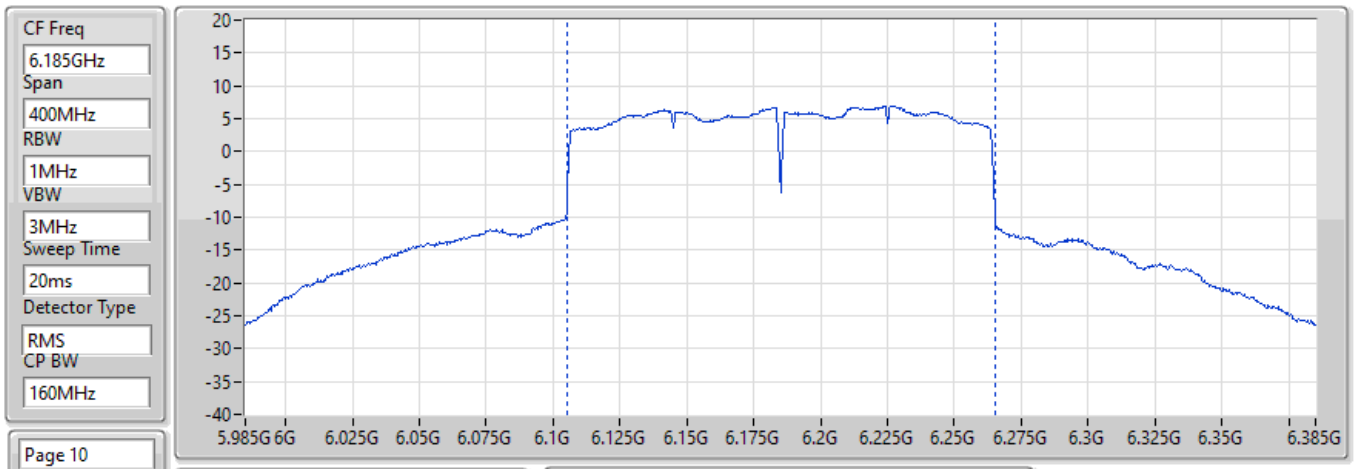


EIRP (dBm)
27.75

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.08	10.85	6.41	33.53	57.64

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

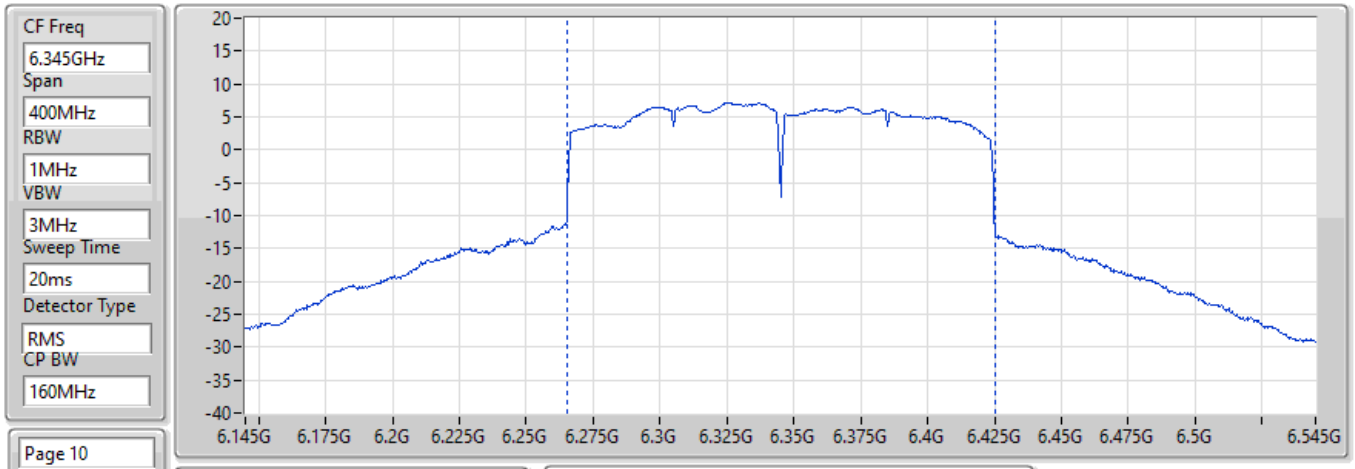


EIRP (dBm)
28.57

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.47	10.83	6.59	33.53	57.87

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

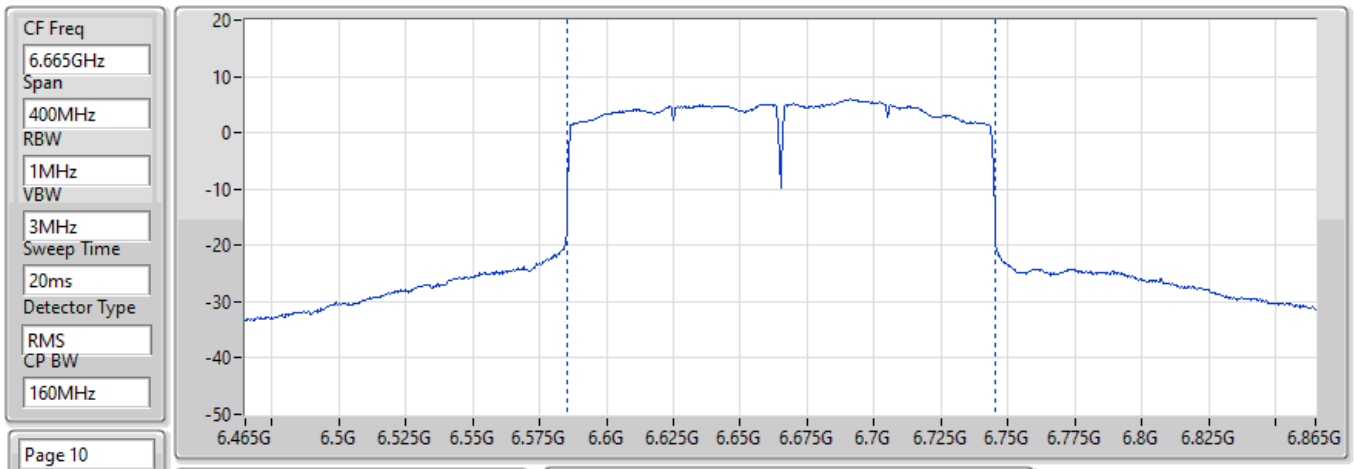


EIRP (dBm)
28.56

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.56	11.19	6.62	33.52	58.09

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



EIRP (dBm)
27.27

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.44	10.87	6.85	33.67	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_Nss1,(MCS0)_1TX	26.33	0.42954	20.59	0.114551
802.11ax HEW40_Nss1,(MCS0)_1TX	26.44	0.44055	20.70	0.117490
802.11ax HEW80_Nss1,(MCS0)_1TX	26.49	0.44566	20.75	0.118850
802.11ax HEW160_Nss1,(MCS0)_1TX	26.69	0.46666	20.95	0.124451
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	24.84	0.30479	20.80	0.120226
802.11ax HEW40_Nss1,(MCS0)_1TX	24.87	0.30690	20.83	0.121060
802.11ax HEW80_Nss1,(MCS0)_1TX	24.98	0.31477	20.94	0.124165
802.11ax HEW160_Nss1,(MCS0)_1TX	24.90	0.30903	20.86	0.121899

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5955MHz	Pass	-5.74	26.12	26.12	20.38	21.00
6195MHz	Pass	-5.74	26.33	26.33	20.59	21.00
6415MHz	Pass	-5.74	25.68	25.68	19.94	21.00
6535MHz	Pass	-4.04	24.60	24.60	20.56	21.00
6695MHz	Pass	-4.04	24.84	24.84	20.80	21.00
6855MHz	Pass	-4.04	24.58	24.58	20.54	21.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5965MHz	Pass	-5.74	23.57	23.57	17.83	21.00
6205MHz	Pass	-5.74	26.44	26.44	20.70	21.00
6405MHz	Pass	-5.74	26.33	26.33	20.59	21.00
6565MHz	Pass	-4.04	24.87	24.87	20.83	21.00
6685MHz	Pass	-4.04	24.63	24.63	20.59	21.00
6845MHz	Pass	-4.04	24.76	24.76	20.72	21.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5985MHz	Pass	-5.74	23.66	23.66	17.92	21.00
6225MHz	Pass	-5.74	26.49	26.49	20.75	21.00
6385MHz	Pass	-5.74	26.30	26.30	20.56	21.00
6625MHz	Pass	-4.04	24.98	24.98	20.94	21.00
6705MHz	Pass	-4.04	24.98	24.98	20.94	21.00
6785MHz	Pass	-4.04	24.87	24.87	20.83	21.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-
6025MHz	Pass	-5.74	24.59	24.59	18.85	21.00
6185MHz	Pass	-5.74	26.69	26.69	20.95	21.00
6345MHz	Pass	-5.74	26.59	26.59	20.85	21.00
6665MHz	Pass	-4.04	24.90	24.90	20.86	21.00

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

Summary

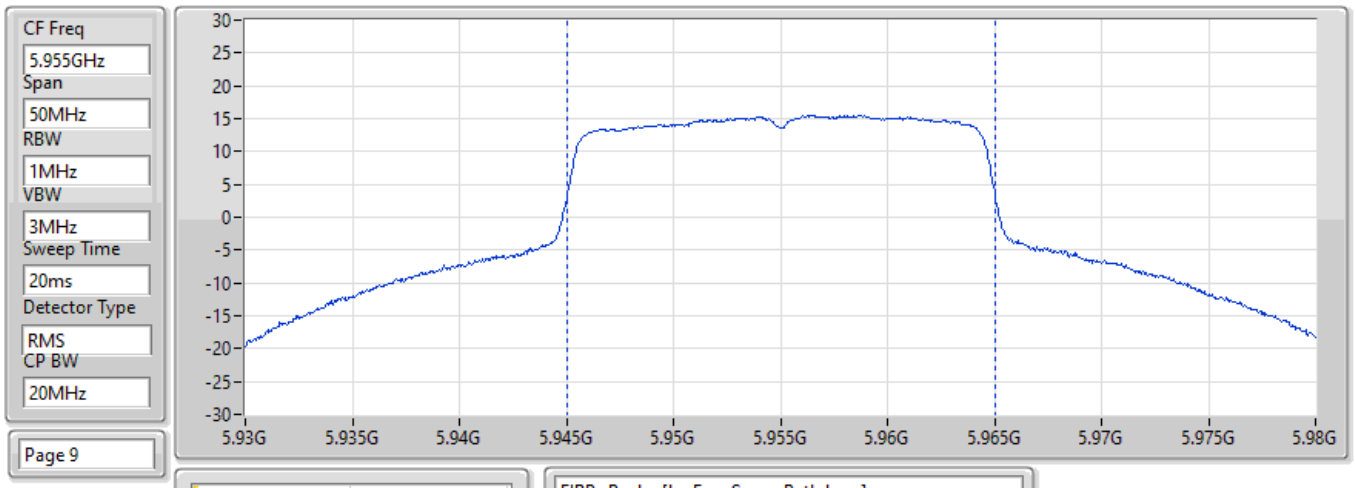
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	30.61	1.15080
802.11ax HEW40_Nss1,(MCS0)_1TX	31.39	1.37721
802.11ax HEW80_Nss1,(MCS0)_1TX	30.94	1.24165
802.11ax HEW160_Nss1,(MCS0)_1TX	31.62	1.45211
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	29.57	0.90573
802.11ax HEW40_Nss1,(MCS0)_1TX	29.46	0.88308
802.11ax HEW80_Nss1,(MCS0)_1TX	28.92	0.77983
802.11ax HEW160_Nss1,(MCS0)_1TX	29.21	0.83368

Result

Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	28.52	36.00
6195MHz	Pass	30.61	36.00
6415MHz	Pass	30.57	36.00
6535MHz	Pass	28.96	36.00
6695MHz	Pass	28.75	36.00
6855MHz	Pass	29.57	36.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	26.63	36.00
6205MHz	Pass	31.39	36.00
6405MHz	Pass	30.12	36.00
6565MHz	Pass	28.79	36.00
6685MHz	Pass	29.20	36.00
6845MHz	Pass	29.46	36.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	26.65	36.00
6225MHz	Pass	30.94	36.00
6385MHz	Pass	28.66	36.00
6625MHz	Pass	28.92	36.00
6705MHz	Pass	28.07	36.00
6785MHz	Pass	28.00	36.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	27.82	36.00
6185MHz	Pass	31.62	36.00
6345MHz	Pass	28.59	36.00
6665MHz	Pass	29.21	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

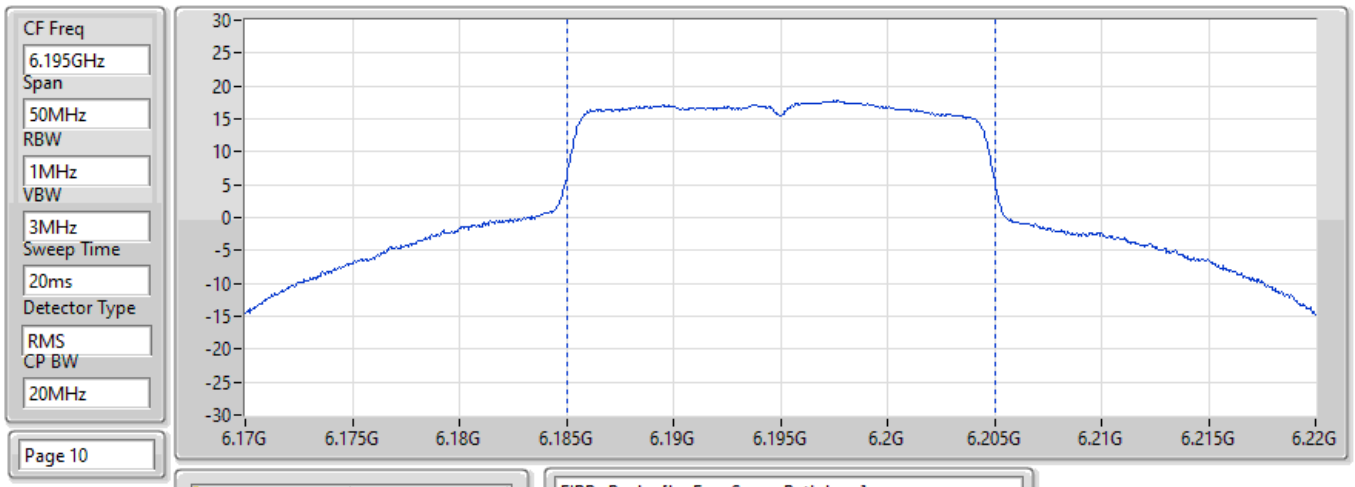


EIRP (dBm)
28.52

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.87	10.71	6.34	33.52	57.54

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

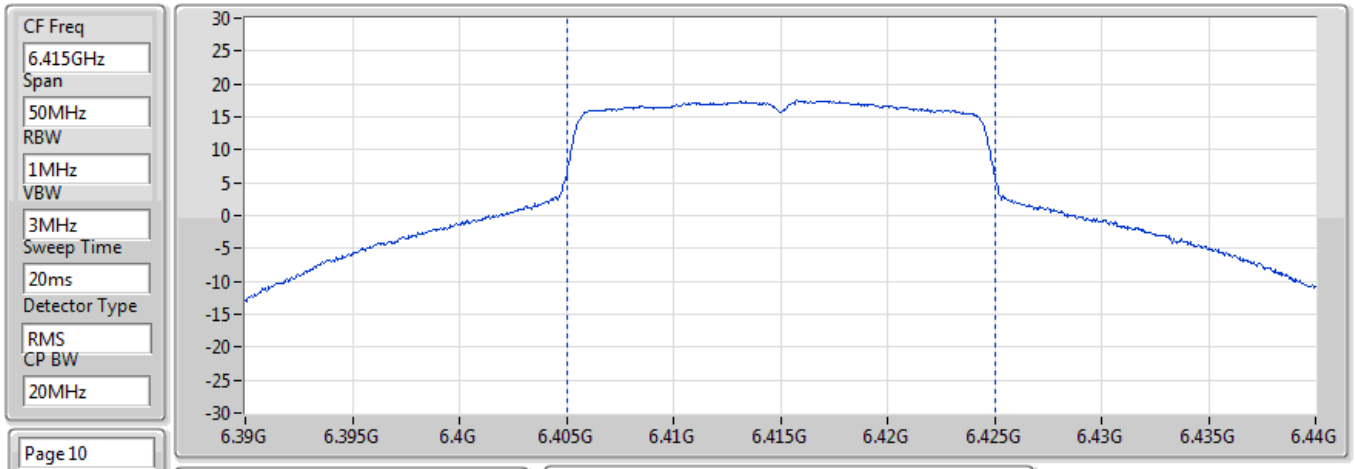


EIRP (dBm)
30.61

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.47	10.81	6.60	33.53	57.88

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

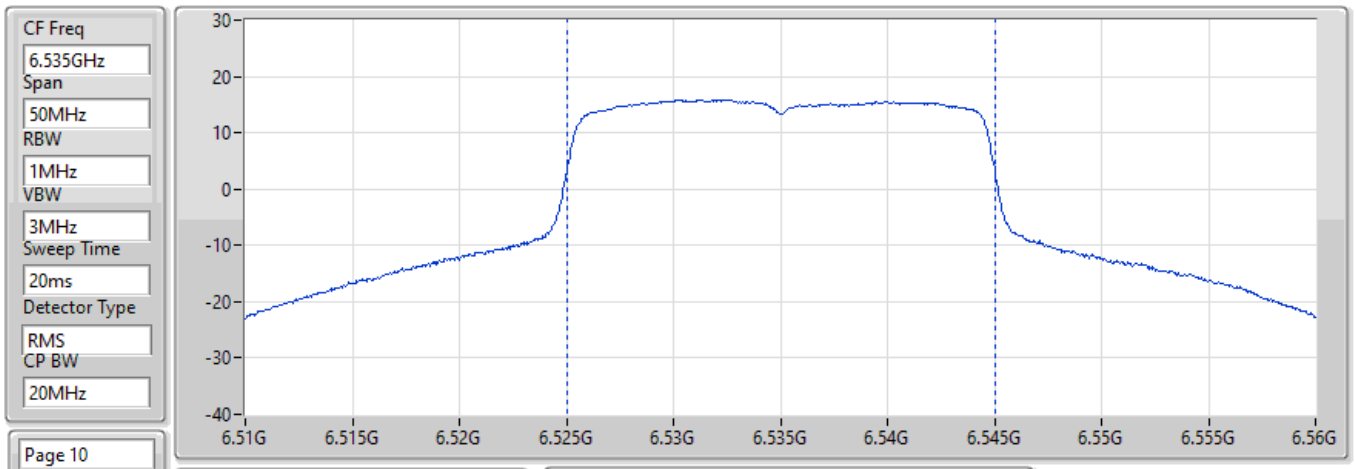


EIRP (dBm)
30.57

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.35	11.10	6.65	33.52	58.19

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

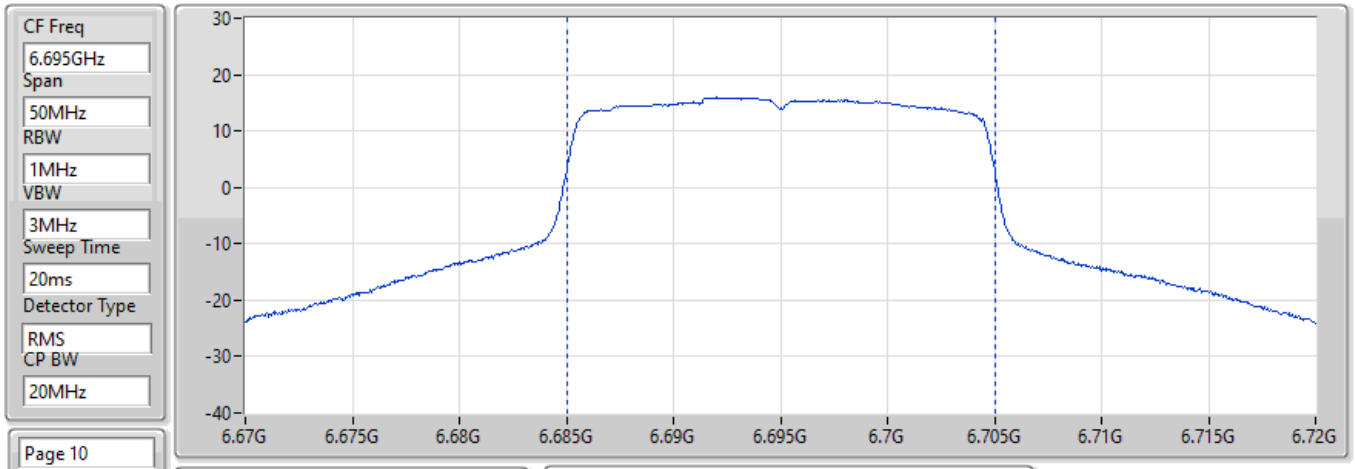


EIRP (dBm)
28.96

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.45	11.06	6.77	33.55	58.35

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

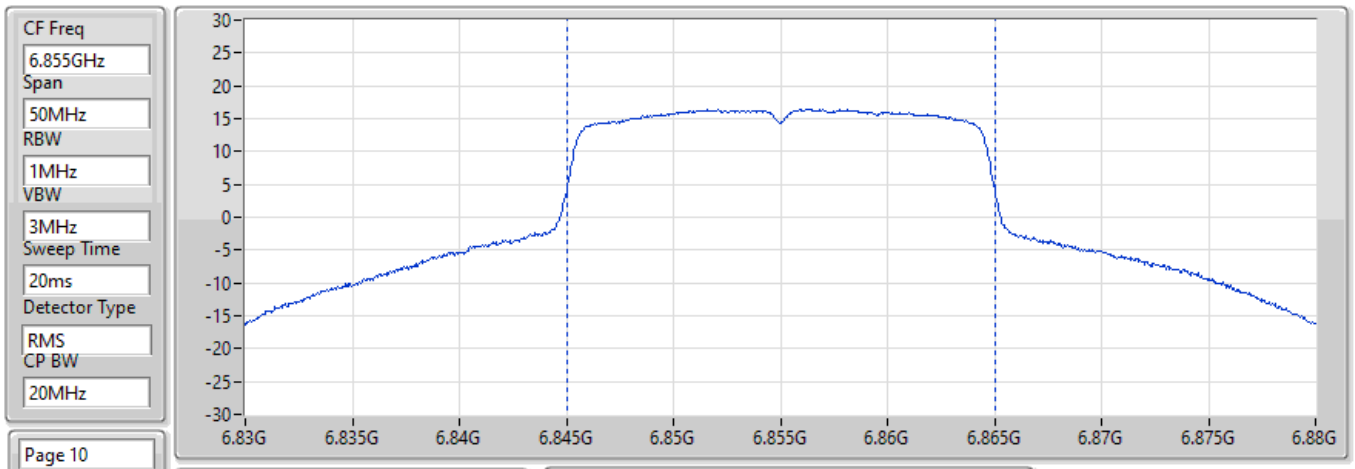


EIRP (dBm)
28.75

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.85	10.81	6.85	33.70	58.56

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

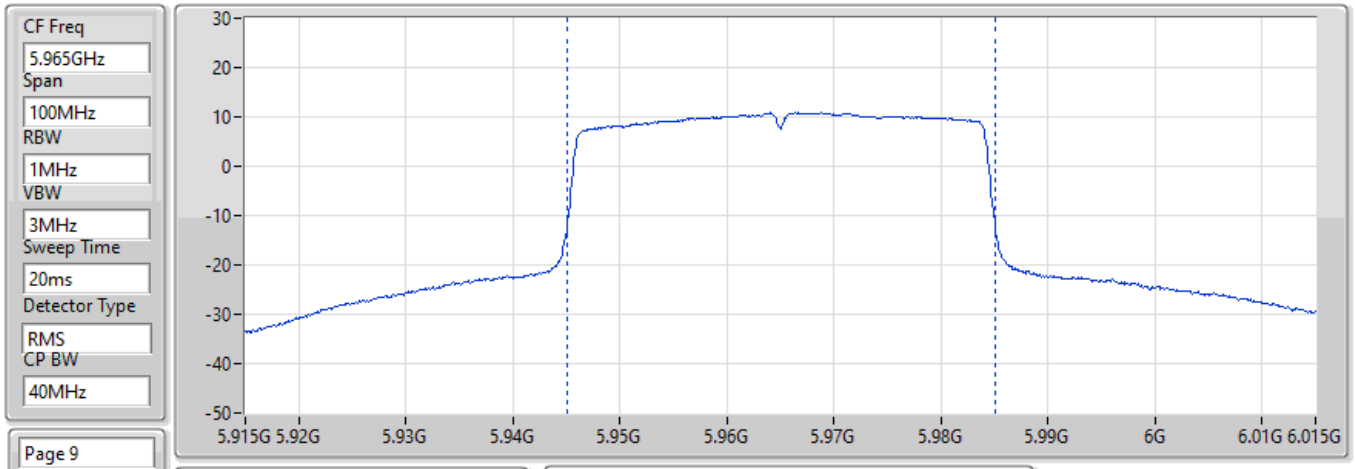


EIRP (dBm)
29.57

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.46	10.71	6.90	33.84	58.76

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

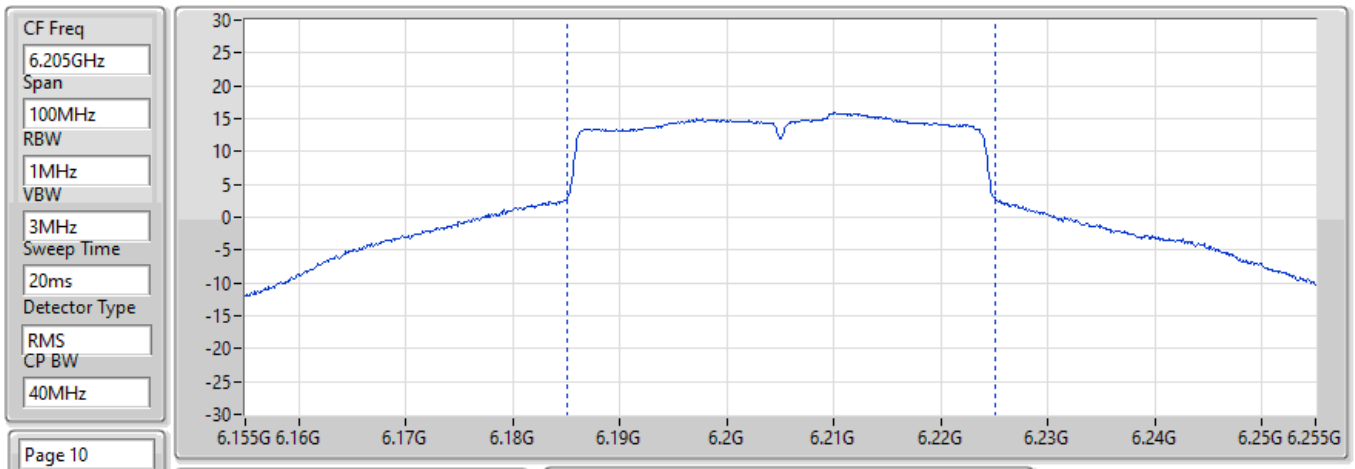


EIRP (dBm)
26.63

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.98	10.73	6.35	33.52	57.55

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

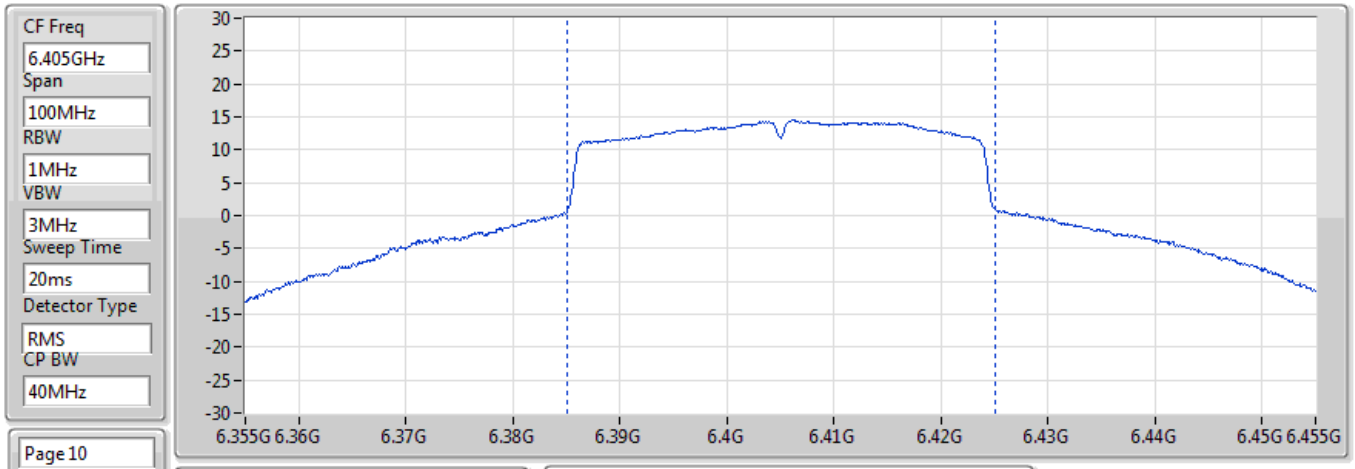


EIRP (dBm)
31.39

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
11.22	10.81	6.61	33.53	57.90

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

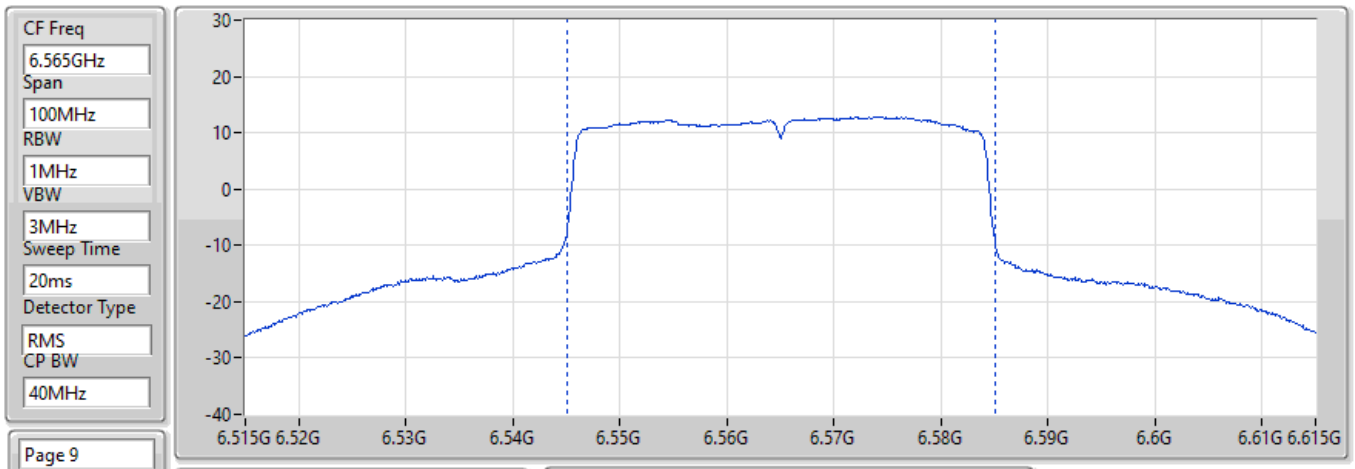


EIRP (dBm)
30.12

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.93	11.10	6.64	33.52	58.17

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

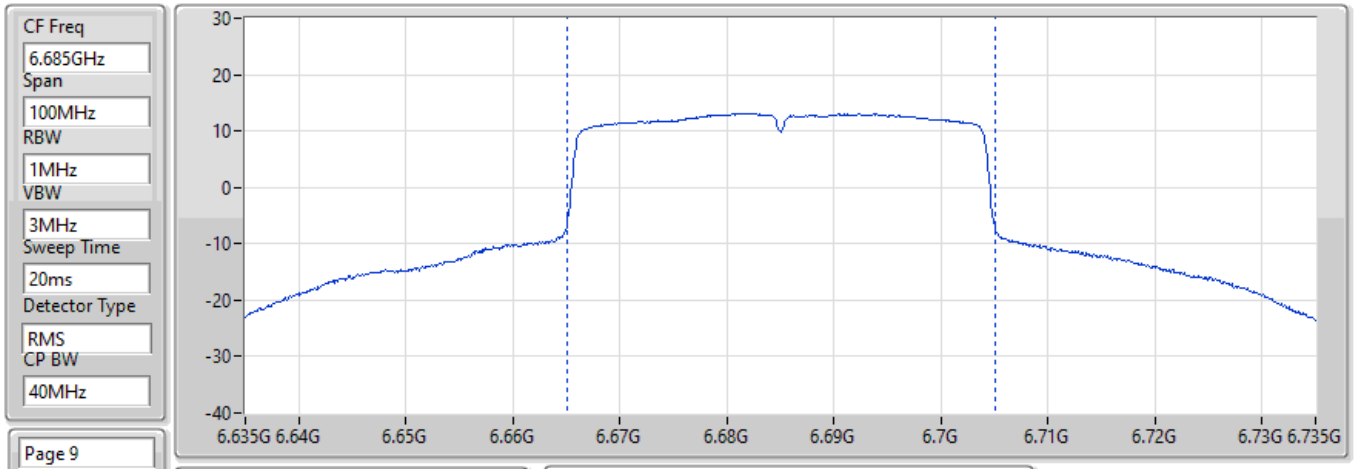


EIRP (dBm)
28.79

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.12	10.94	6.80	33.58	58.39

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

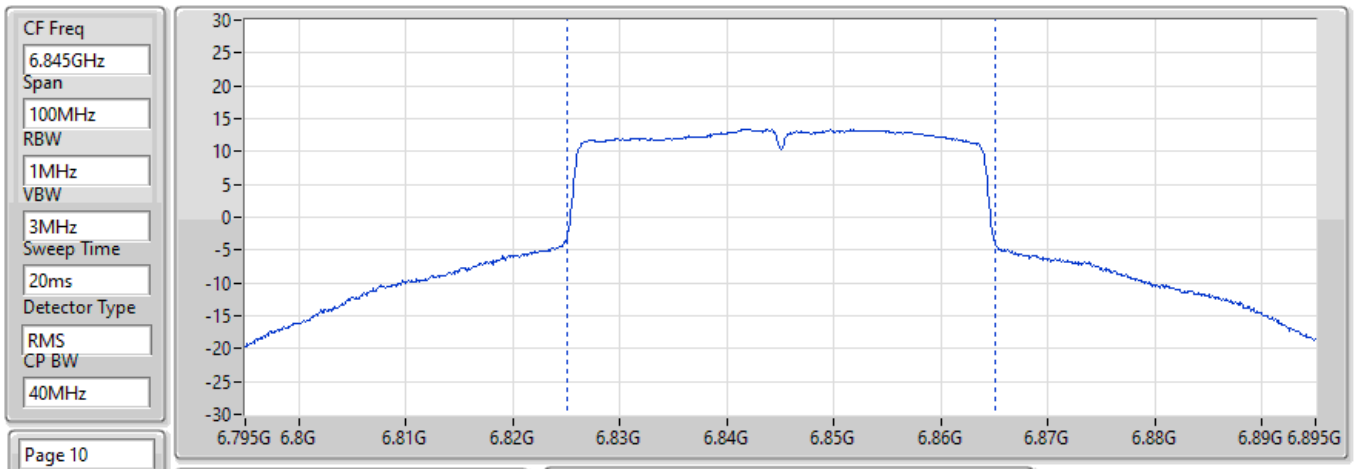


EIRP (dBm)
29.2

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.33	10.83	6.85	33.69	58.54

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

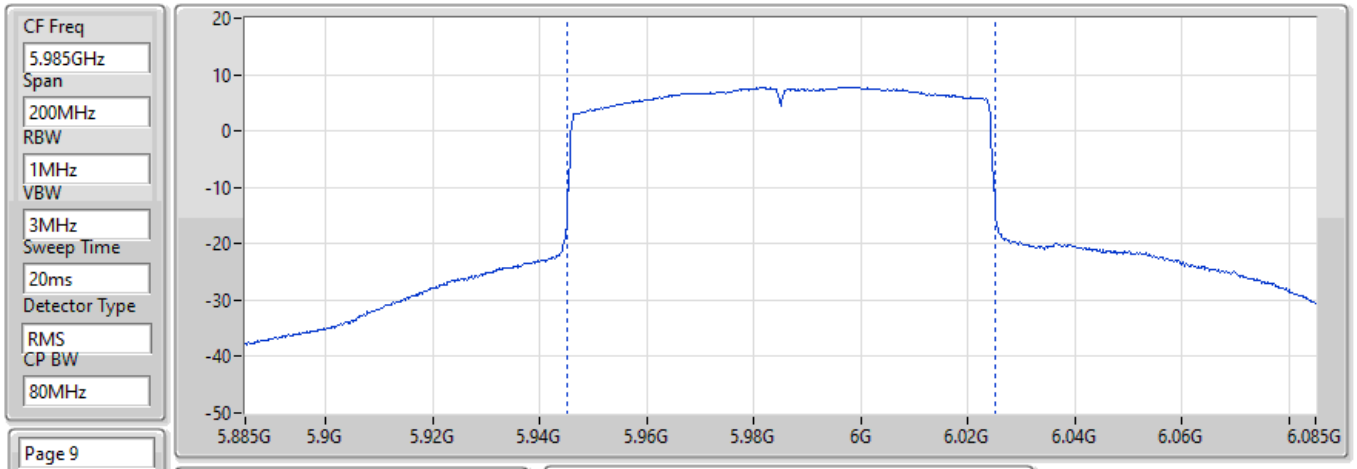


EIRP (dBm)
29.46

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.35	10.70	6.89	33.83	58.75

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

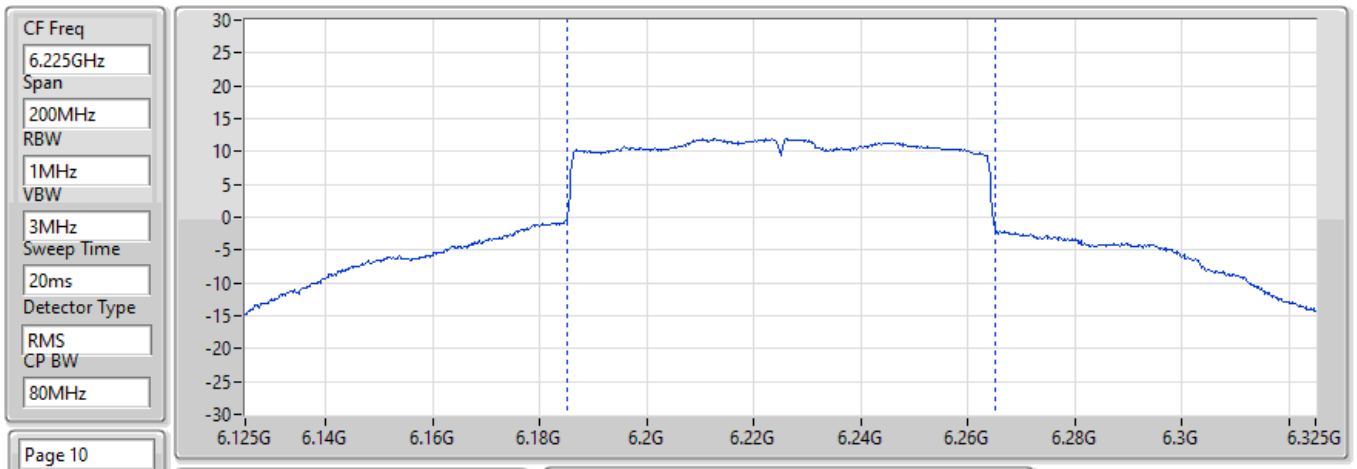


EIRP (dBm)
26.65

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.00	10.77	6.37	33.53	57.58

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

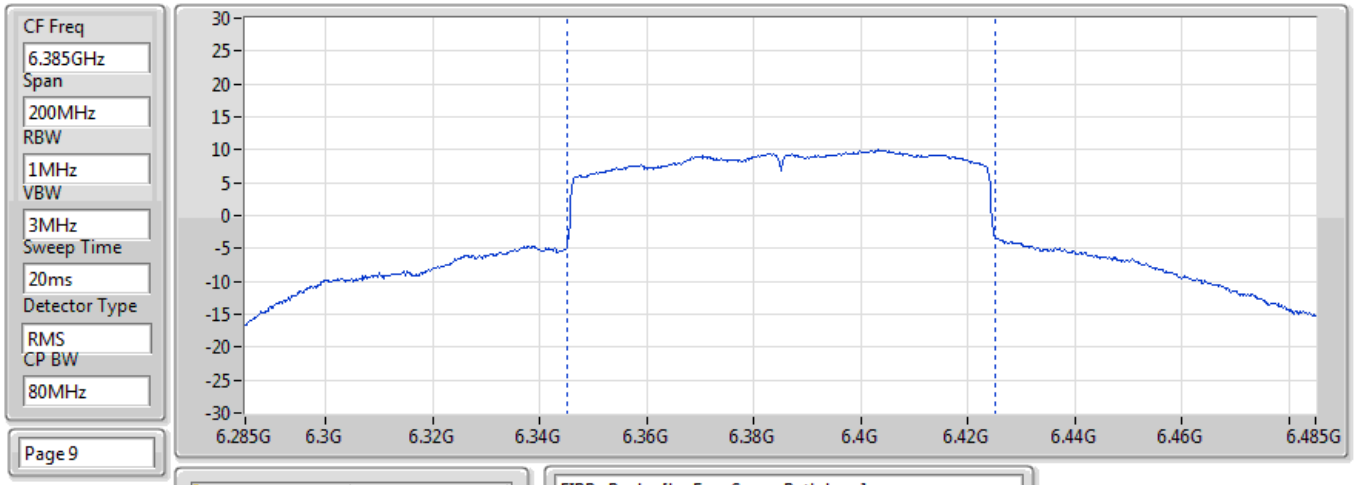


EIRP (dBm)
30.94

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.78	10.85	6.61	33.53	57.93

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

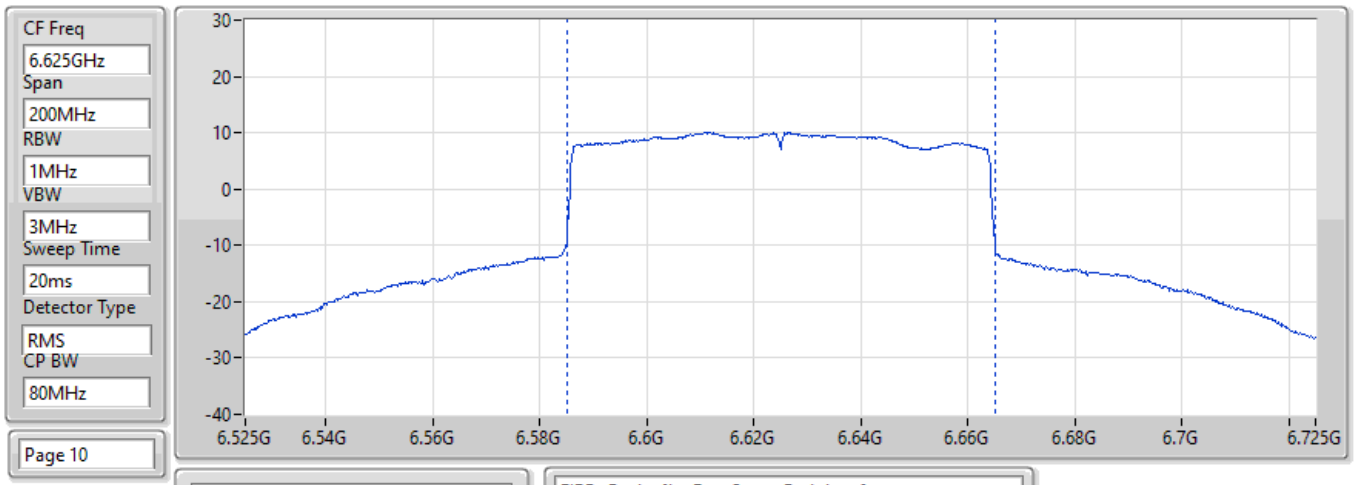


EIRP (dBm)
28.66

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.53	11.13	6.63	33.52	58.15

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

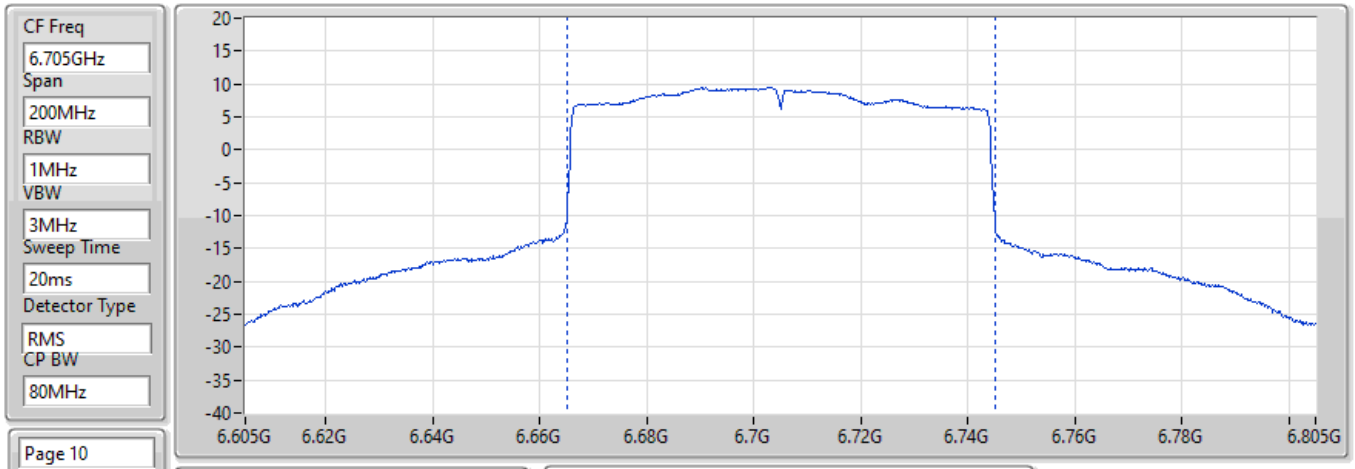


EIRP (dBm)
28.92

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.09	10.85	6.84	33.63	58.47

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

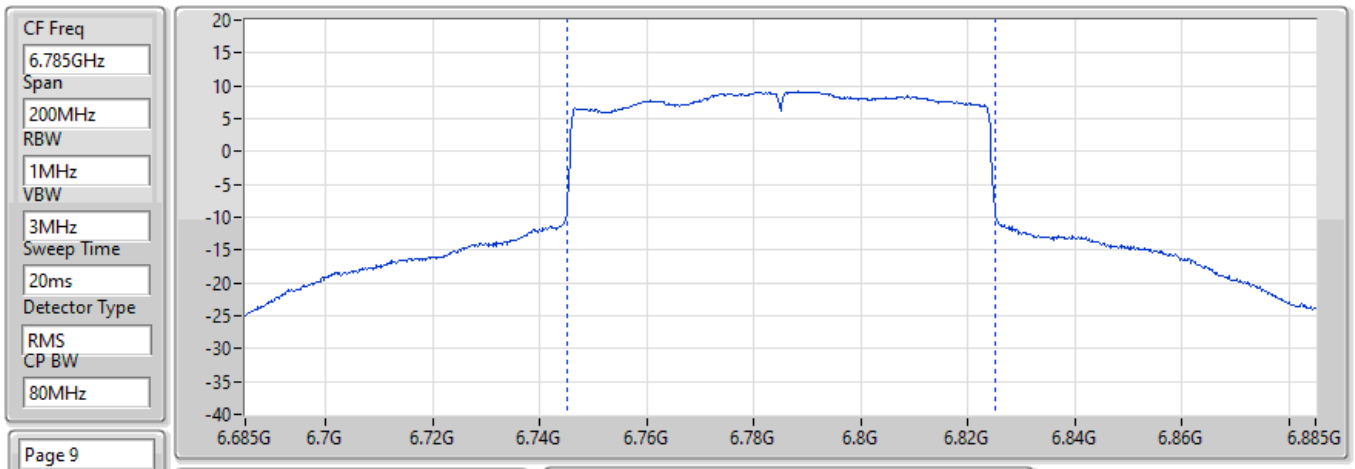


EIRP (dBm)
28.07

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.14	10.79	6.85	33.70	58.57

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

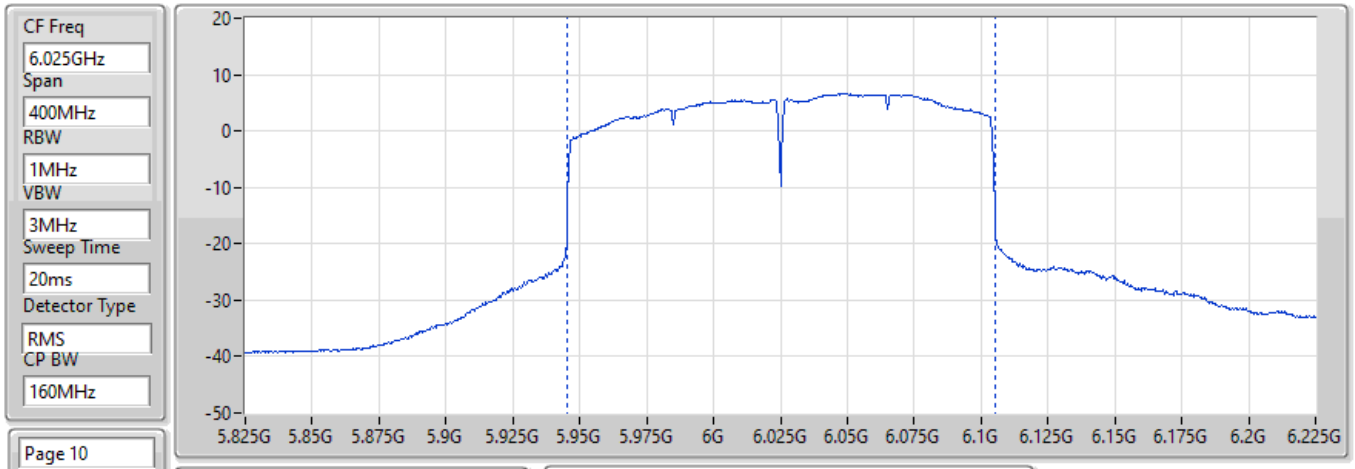


EIRP (dBm)
28

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.95	10.70	6.86	33.78	58.67

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

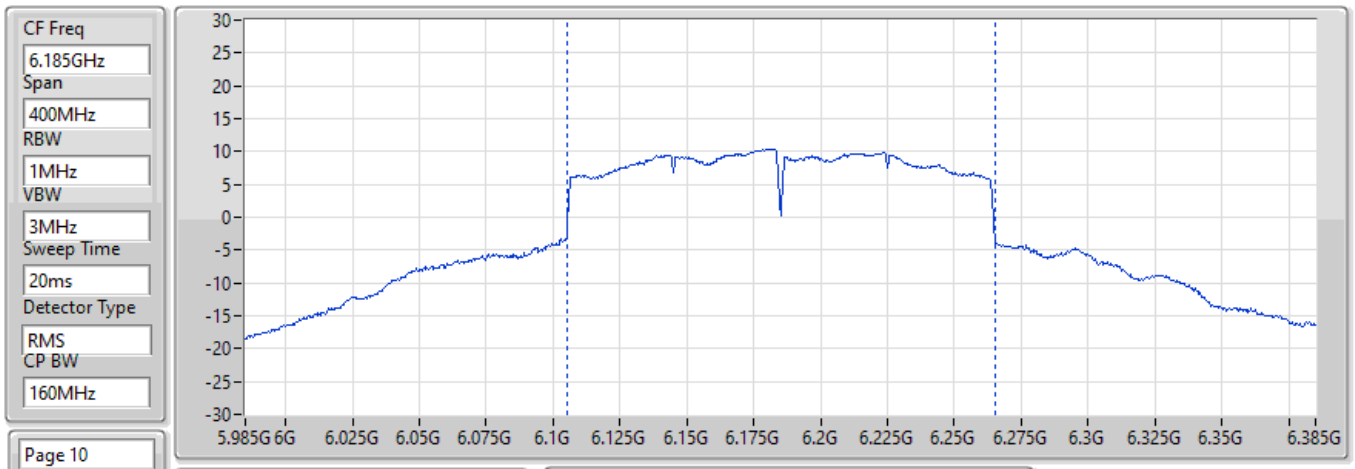


EIRP (dBm)
27.82

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.15	10.85	6.41	33.53	57.64

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

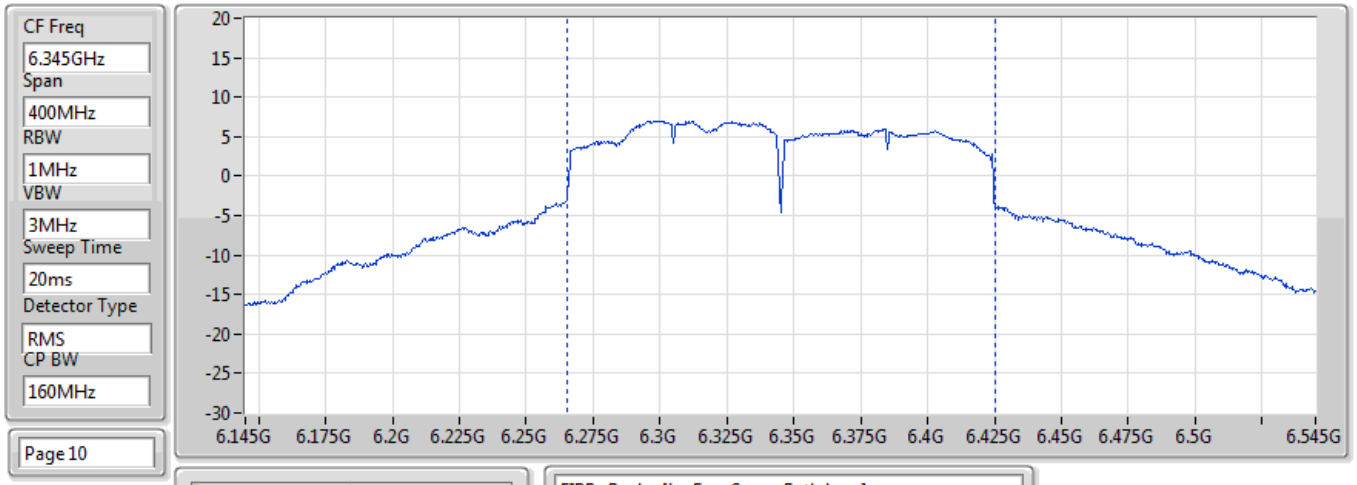


EIRP (dBm)
31.62

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
11.52	10.83	6.59	33.53	57.87

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

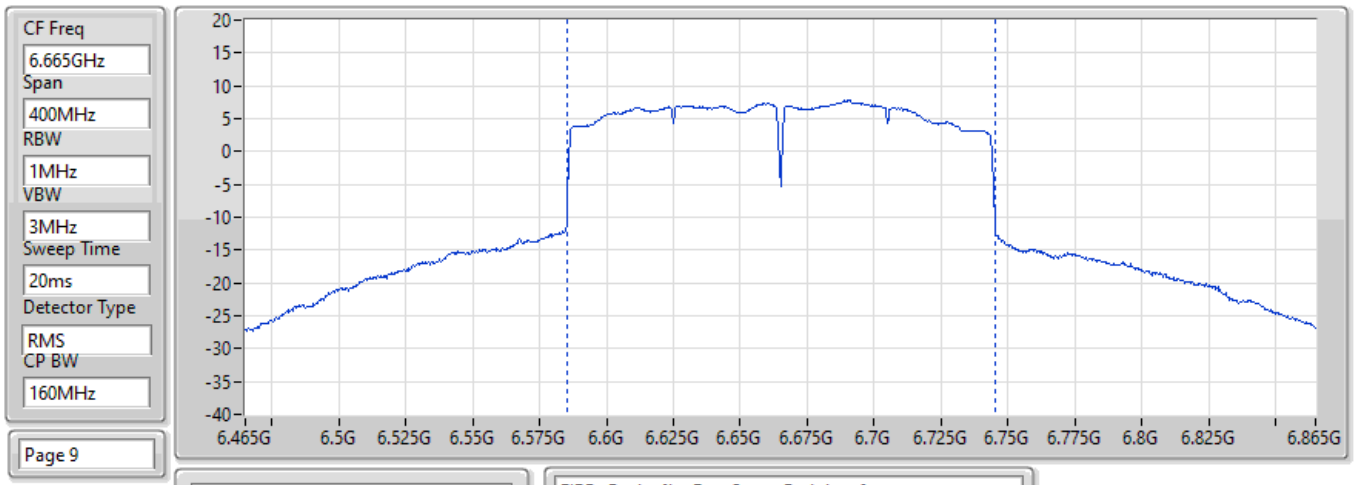


EIRP (dBm)
28.59

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.59	11.19	6.62	33.52	58.09

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



EIRP (dBm)
29.21

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.38	10.87	6.85	33.67	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_Nss1,(MCS0)_1TX	27.74	0.59429	20.56	0.113763
802.11ax HEW40_Nss1,(MCS0)_1TX	27.98	0.62806	20.80	0.120226
802.11ax HEW80_Nss1,(MCS0)_1TX	27.78	0.59979	20.60	0.114815
802.11ax HEW160_Nss1,(MCS0)_1TX	27.90	0.61660	20.72	0.118032
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_1TX	25.82	0.38194	20.84	0.121339
802.11ax HEW40_Nss1,(MCS0)_1TX	25.91	0.38994	20.93	0.123880
802.11ax HEW80_Nss1,(MCS0)_1TX	25.84	0.38371	20.86	0.121899
802.11ax HEW160_Nss1,(MCS0)_1TX	25.67	0.36898	20.69	0.117220

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5955MHz	Pass	-7.18	25.89	25.89	18.71	21.00
6195MHz	Pass	-7.18	27.74	27.74	20.56	21.00
6415MHz	Pass	-7.18	26.73	26.73	19.55	21.00
6535MHz	Pass	-4.98	25.74	25.74	20.76	21.00
6695MHz	Pass	-4.98	25.62	25.62	20.64	21.00
6855MHz	Pass	-4.98	25.82	25.82	20.84	21.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5965MHz	Pass	-7.18	22.67	22.67	15.49	21.00
6205MHz	Pass	-7.18	27.98	27.98	20.80	21.00
6405MHz	Pass	-7.18	25.44	25.44	18.26	21.00
6565MHz	Pass	-4.98	25.53	25.53	20.55	21.00
6685MHz	Pass	-4.98	25.91	25.91	20.93	21.00
6845MHz	Pass	-4.98	25.58	25.58	20.60	21.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-	-	-	-
5985MHz	Pass	-7.18	23.08	23.08	15.90	21.00
6225MHz	Pass	-7.18	27.78	27.78	20.60	21.00
6385MHz	Pass	-7.18	25.11	25.11	17.93	21.00
6625MHz	Pass	-4.98	25.84	25.84	20.86	21.00
6705MHz	Pass	-4.98	25.57	25.57	20.59	21.00
6785MHz	Pass	-4.98	25.59	25.59	20.61	21.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-	-	-	-
6025MHz	Pass	-7.18	22.88	22.88	15.70	21.00
6185MHz	Pass	-7.18	27.90	27.90	20.72	21.00
6345MHz	Pass	-7.18	25.35	25.35	18.17	21.00
6665MHz	Pass	-4.98	25.67	25.67	20.69	21.00

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

Summary

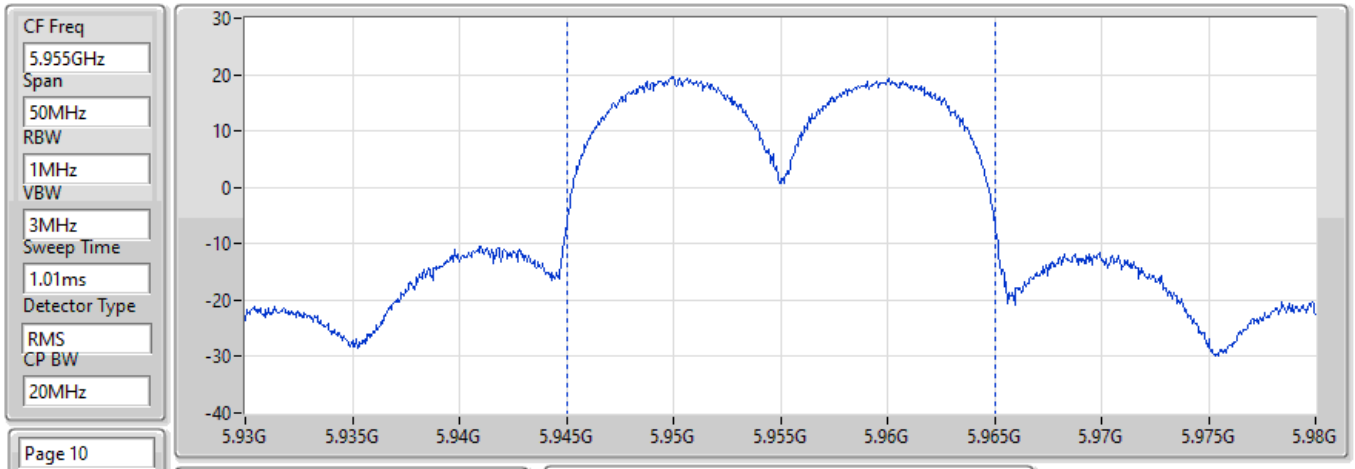
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	31.38	1.37404
802.11ax HEW40_Nss1,(MCS0)_2TX	31.87	1.53815
802.11ax HEW80_Nss1,(MCS0)_2TX	31.18	1.31220
802.11ax HEW160_Nss1,(MCS0)_2TX	31.73	1.48936
6.525-6.875GHz	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	30.08	1.01859
802.11ax HEW40_Nss1,(MCS0)_2TX	29.92	0.98175
802.11ax HEW80_Nss1,(MCS0)_2TX	29.95	0.98855
802.11ax HEW160_Nss1,(MCS0)_2TX	30.50	1.12202

Result

Mode	Result	Radiated EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	29.88	36.00
6195MHz	Pass	30.26	36.00
6415MHz	Pass	31.38	36.00
6535MHz	Pass	29.62	36.00
6695MHz	Pass	29.33	36.00
6855MHz	Pass	30.08	36.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	29.50	36.00
6205MHz	Pass	30.76	36.00
6405MHz	Pass	31.87	36.00
6565MHz	Pass	29.73	36.00
6685MHz	Pass	29.92	36.00
6845MHz	Pass	29.82	36.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	29.78	36.00
6225MHz	Pass	31.07	36.00
6385MHz	Pass	31.18	36.00
6625MHz	Pass	29.51	36.00
6705MHz	Pass	29.73	36.00
6785MHz	Pass	29.95	36.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	30.22	36.00
6185MHz	Pass	31.20	36.00
6345MHz	Pass	31.73	36.00
6665MHz	Pass	30.50	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

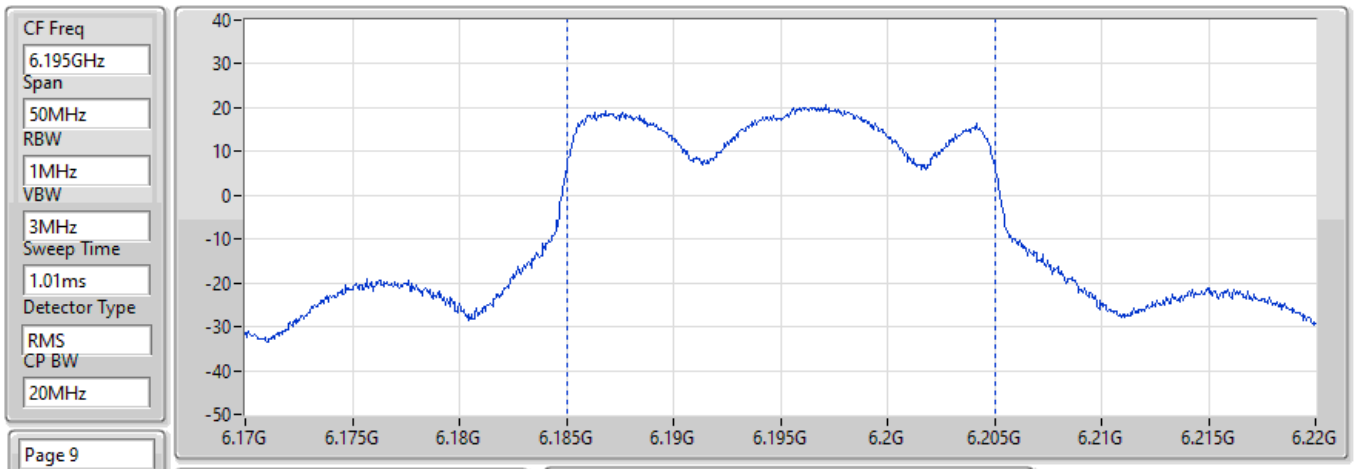


EIRP (dBm)
29.88

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.38	11.72	7.66	32.98	57.54

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

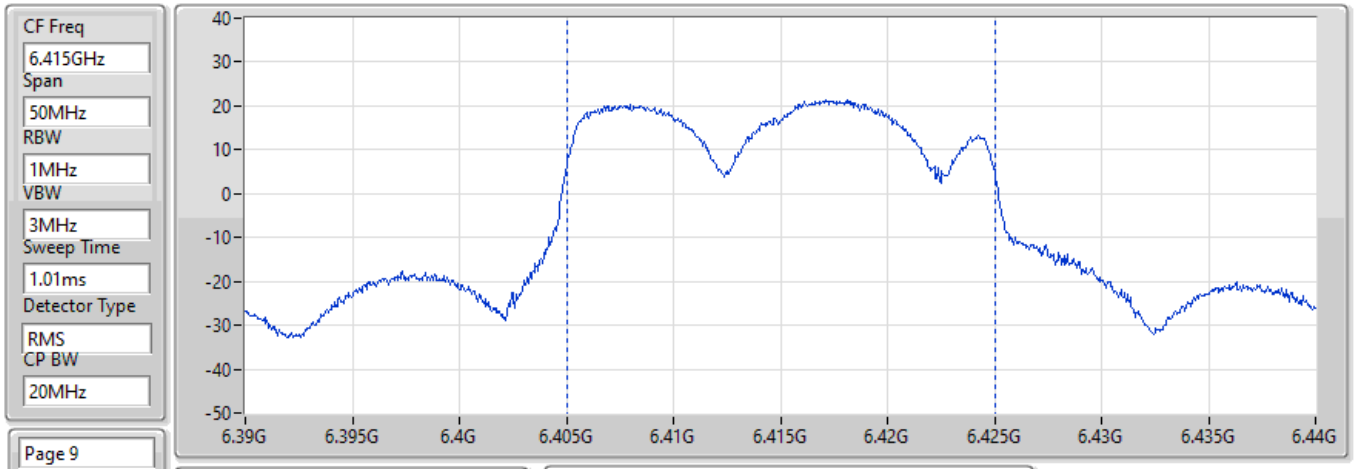


EIRP (dBm)
30.26

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.79	12.11	7.72	33.02	57.88

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

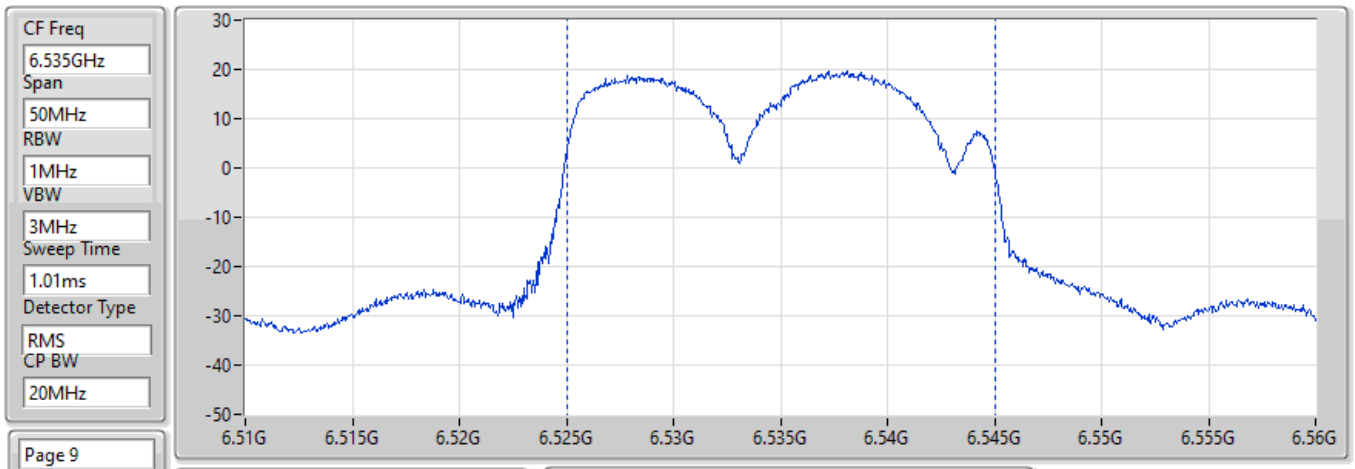


EIRP (dBm)
31.38

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.95	11.70	7.98	33.04	58.19

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

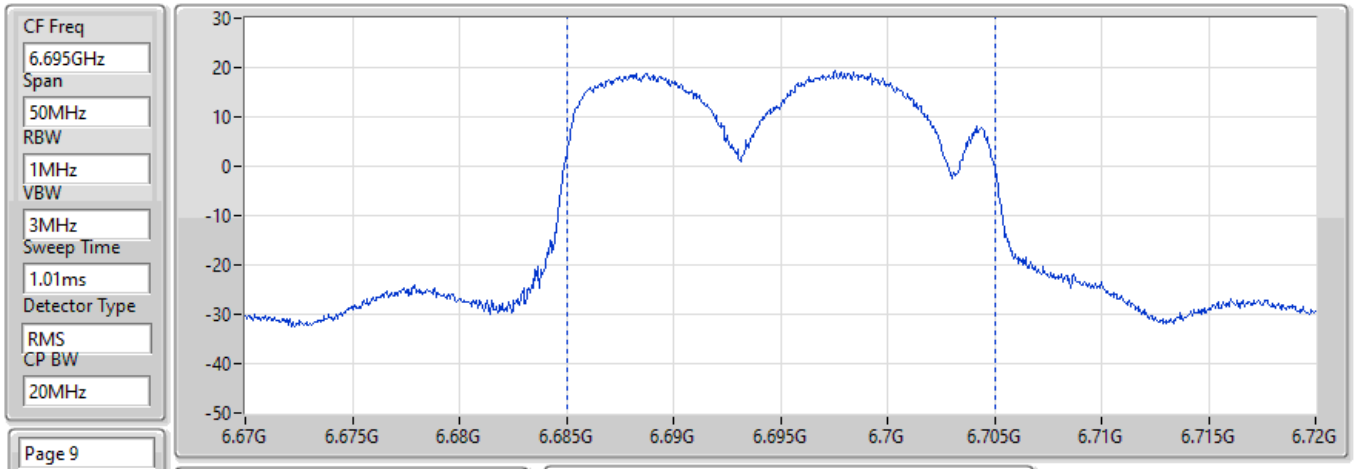


EIRP (dBm)
29.62

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.70	11.29	7.91	33.05	58.35

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

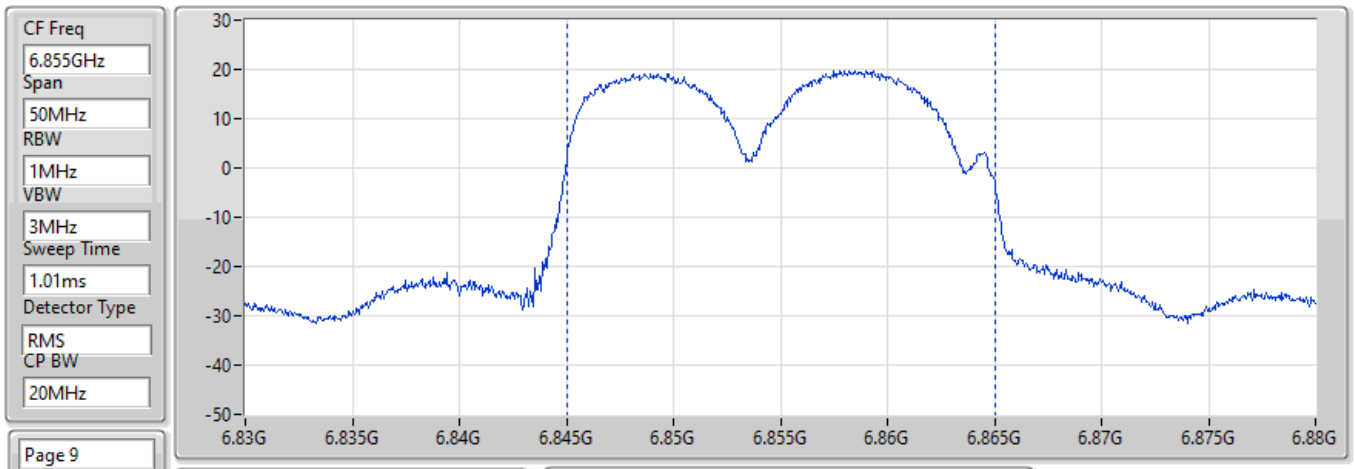


EIRP (dBm)
29.33

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.60	10.90	8.10	33.03	58.56

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

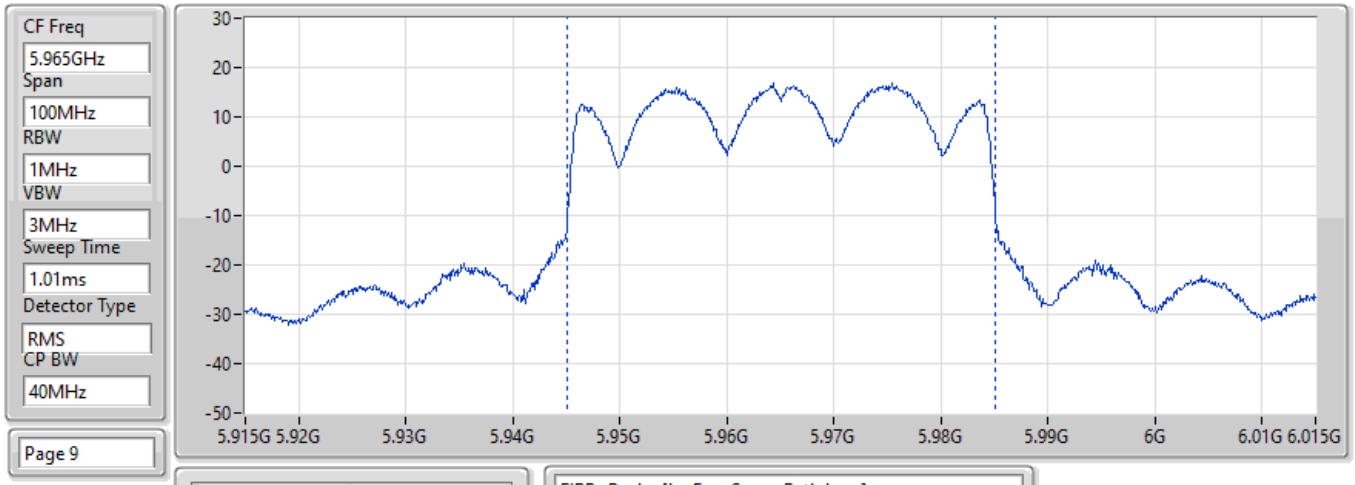


EIRP (dBm)
30.08

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.24	11.31	8.41	33.02	58.76

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

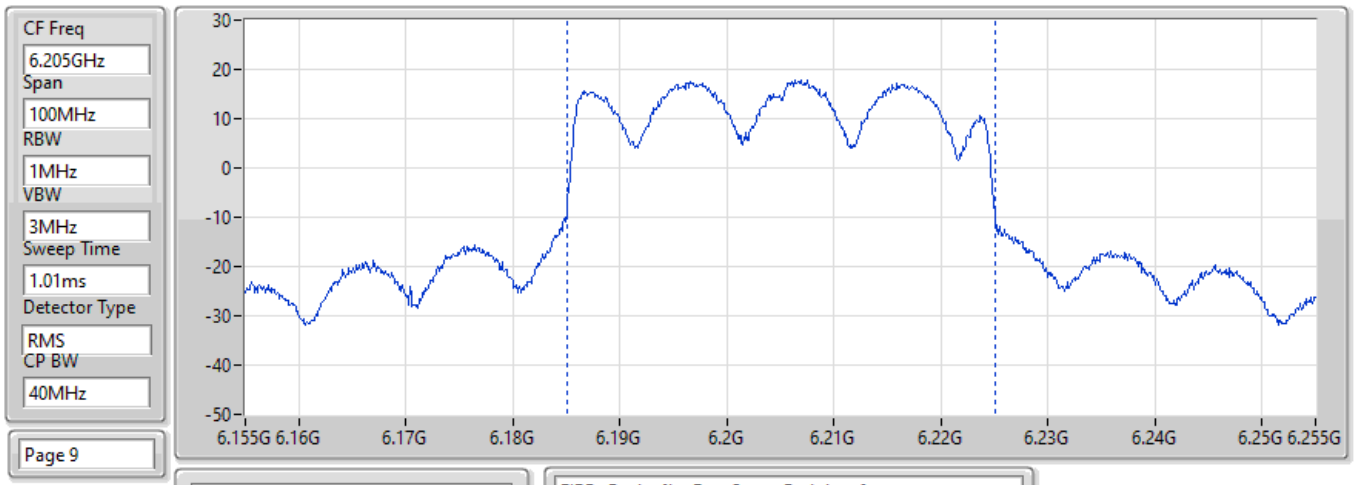


EIRP (dBm)
29.5

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.04	11.76	7.66	32.99	57.55

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

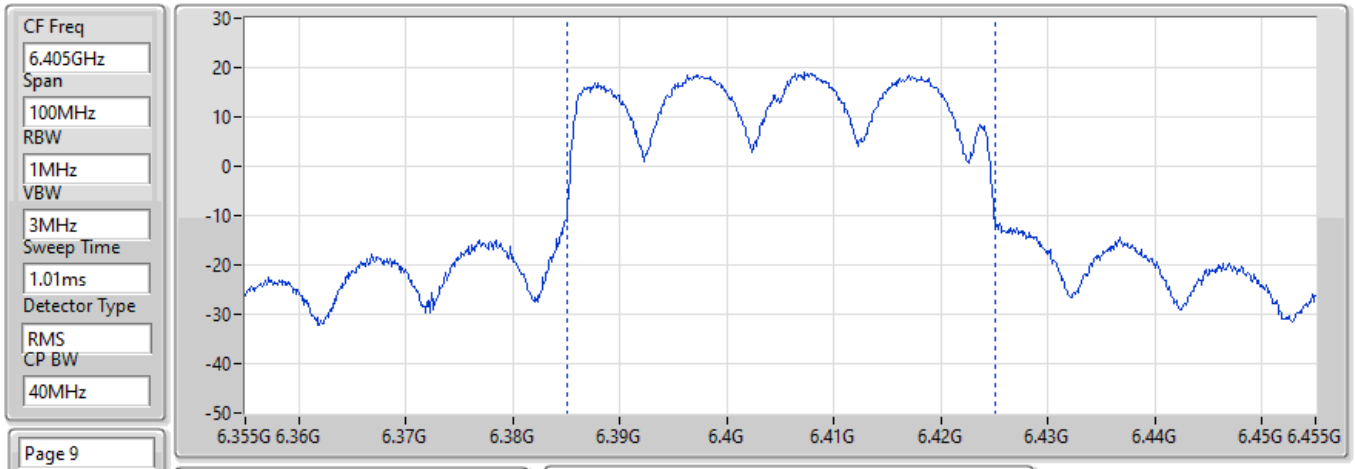


EIRP (dBm)
30.76

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.26	12.11	7.73	33.02	57.90

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

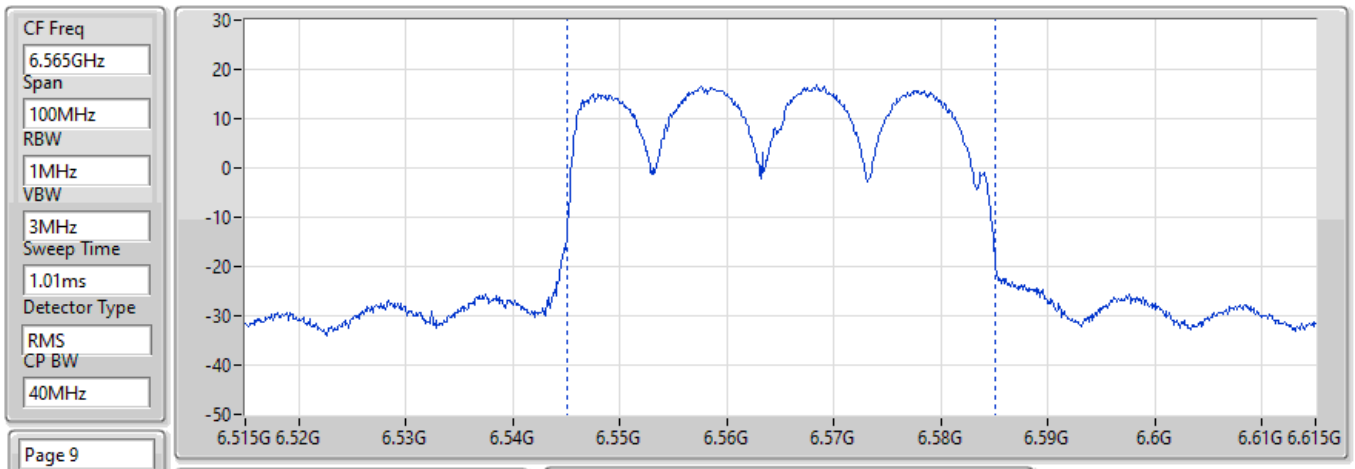


EIRP (dBm)
31.87

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.45	11.70	7.99	33.04	58.17

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

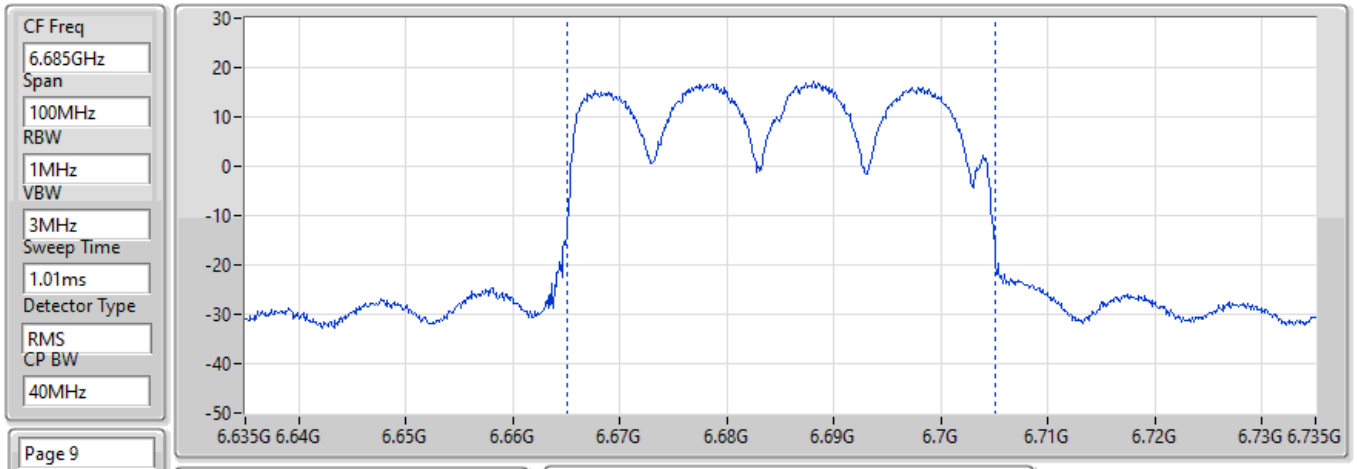


EIRP (dBm)
29.73

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.63	11.14	7.89	33.04	58.39

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

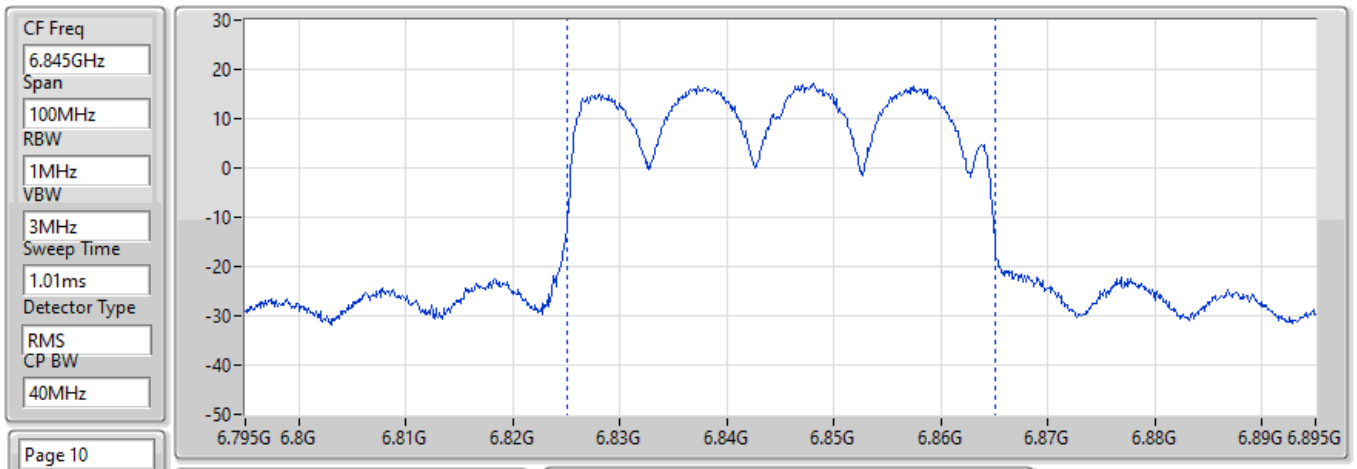


EIRP (dBm)
29.92

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.25	10.90	8.07	33.04	58.54

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

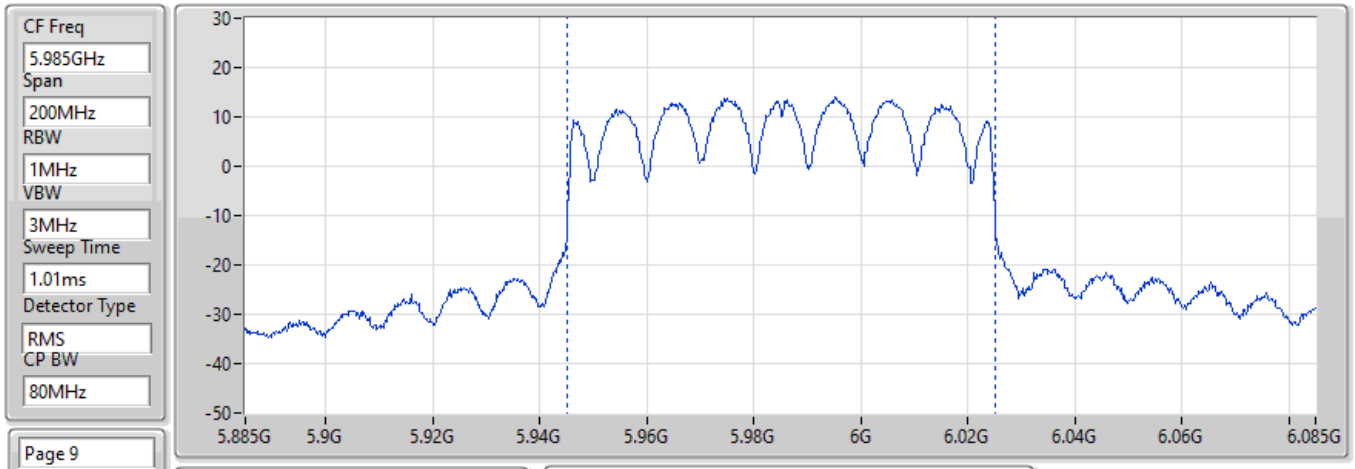


EIRP (dBm)
29.82

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.97	11.28	8.40	33.02	58.75

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

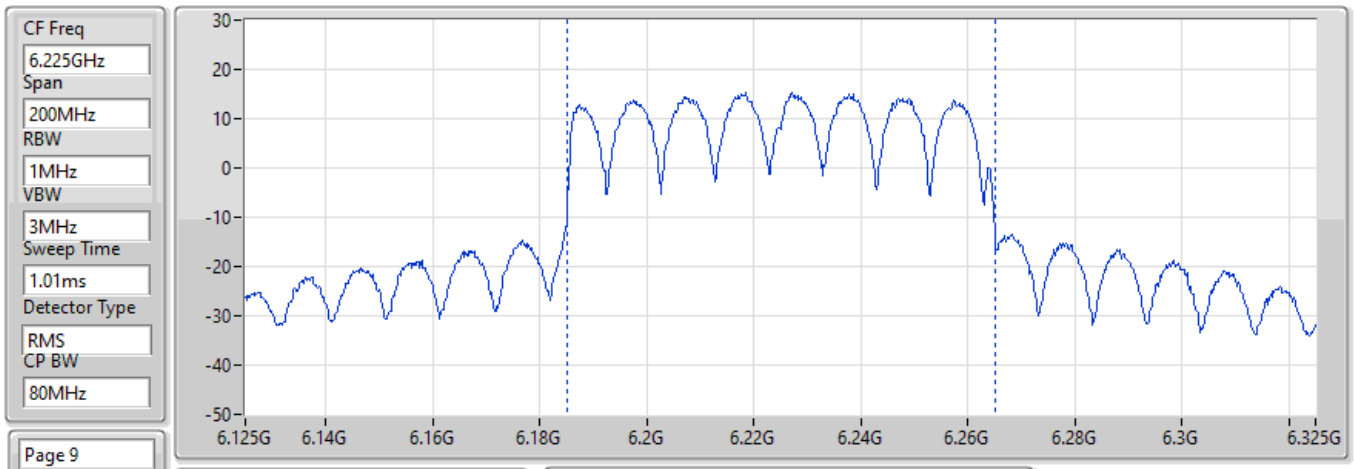


EIRP (dBm)
29.78

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.36	11.84	7.67	32.99	57.58

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

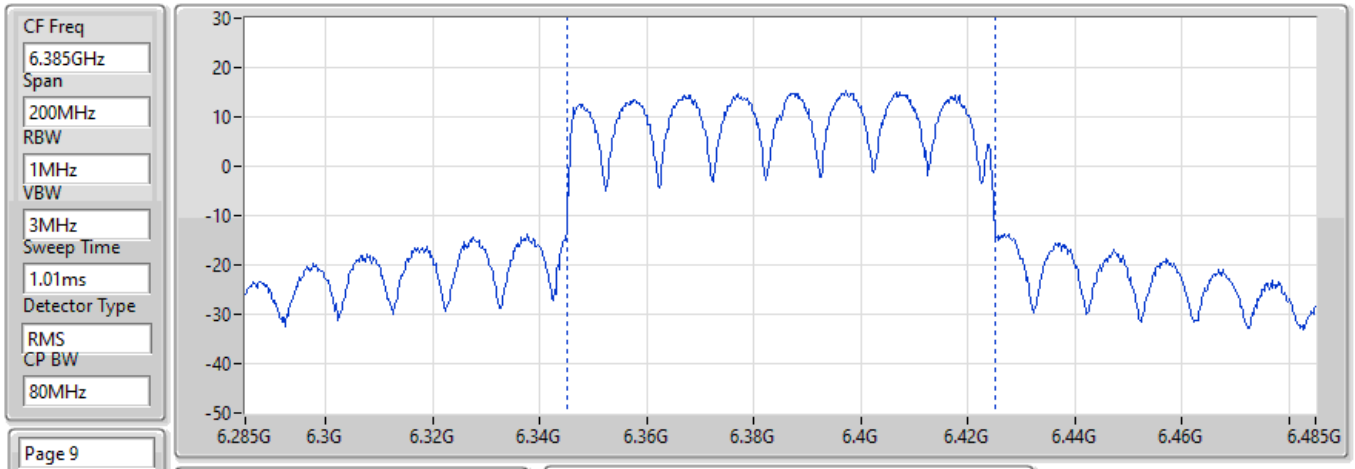


EIRP (dBm)
31.07

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.56	12.15	7.75	33.02	57.93

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

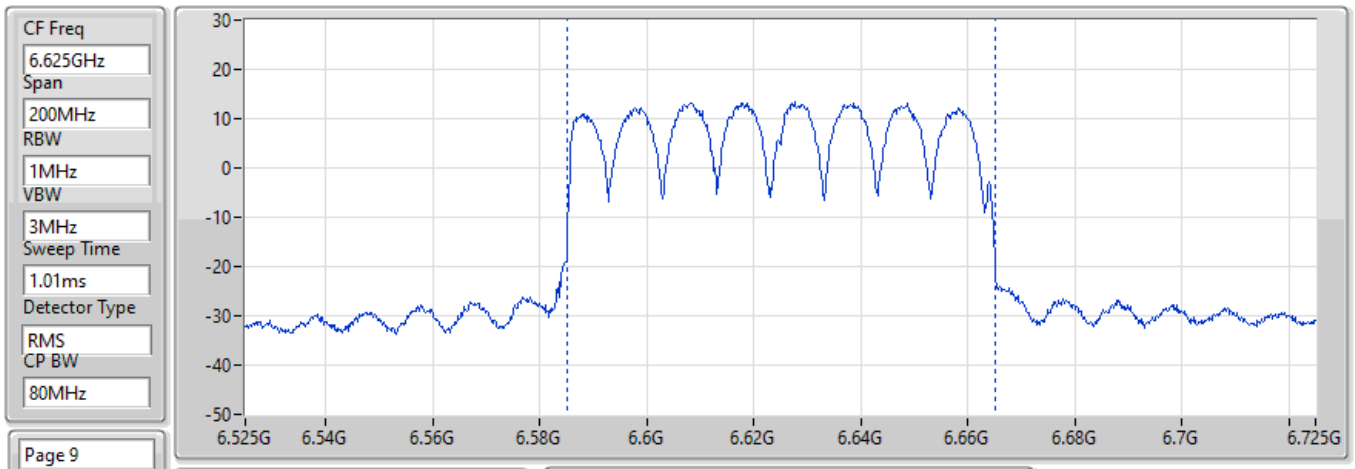


EIRP (dBm)
31.18

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.86	11.76	7.97	33.04	58.15

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

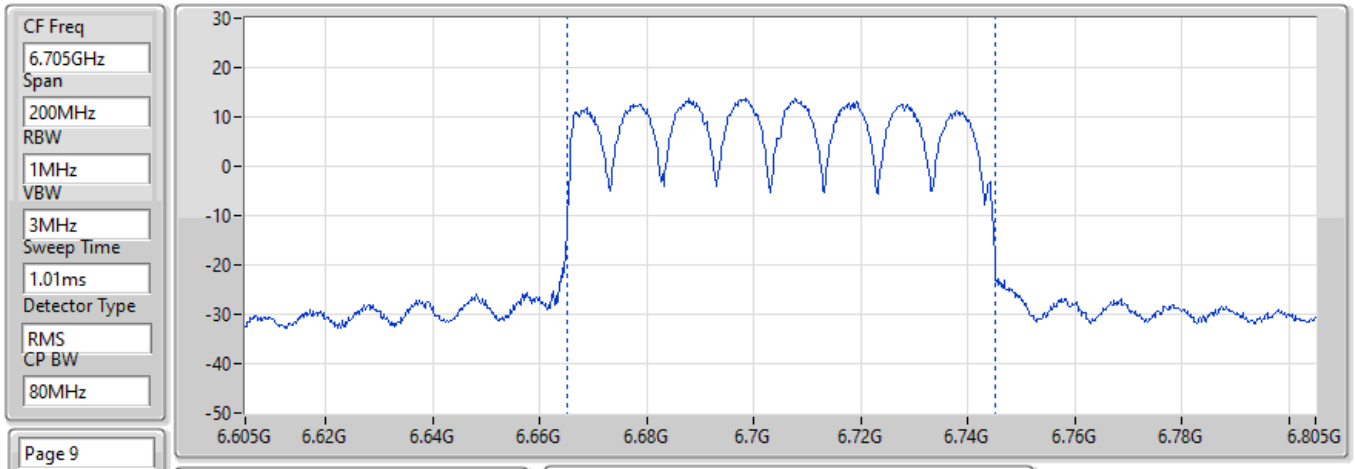


EIRP (dBm)
29.51

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.10	10.95	7.93	33.04	58.47

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

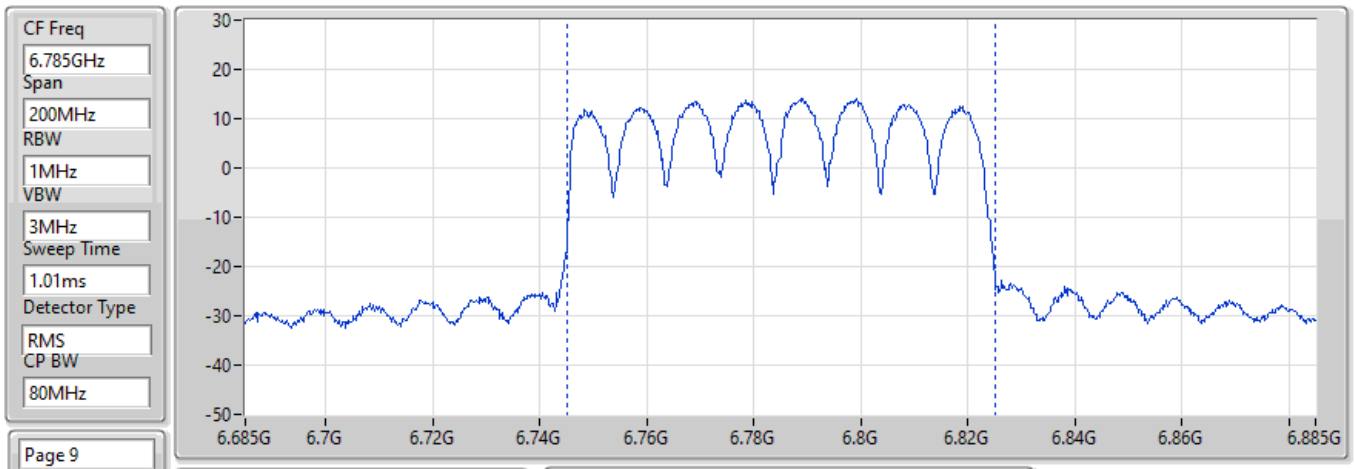


EIRP (dBm)
29.73

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.98	10.91	8.12	33.03	58.57

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

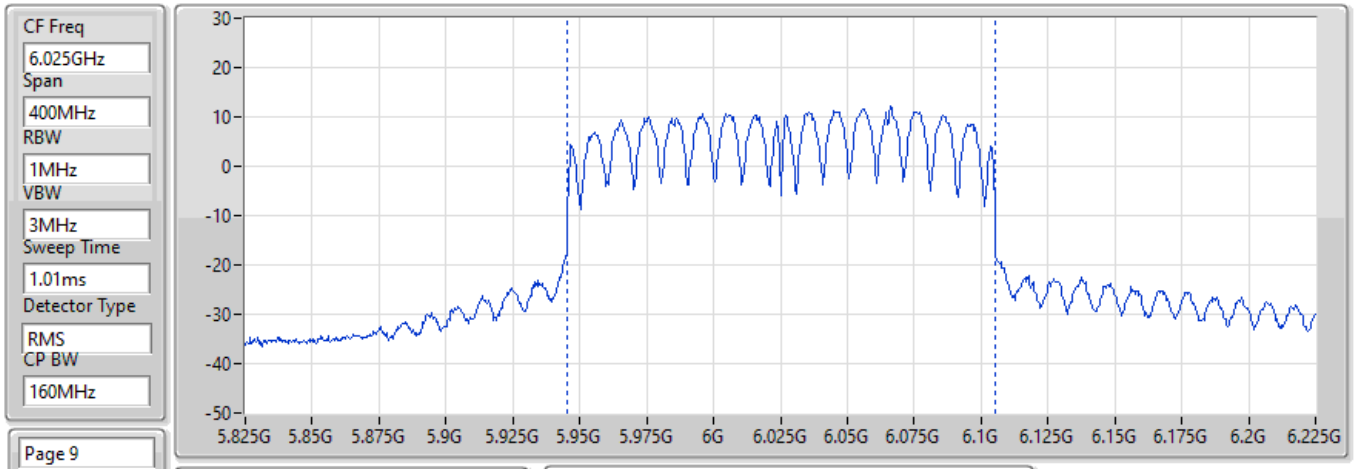


EIRP (dBm)
29.95

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.07	11.07	8.31	33.03	58.67

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

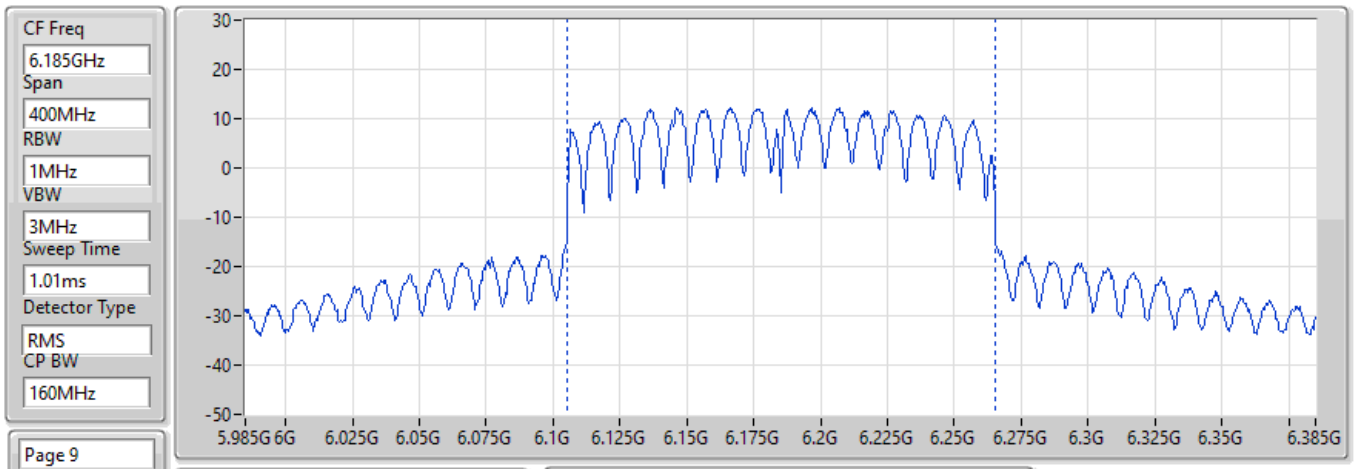


EIRP (dBm)
30.22

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.80	11.90	7.68	33.00	57.64

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

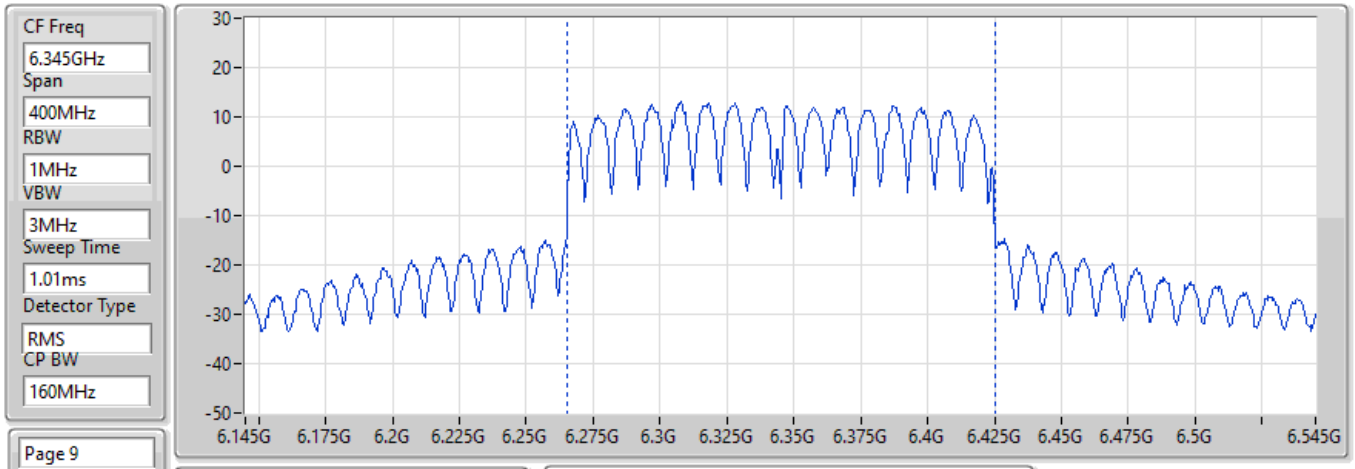


EIRP (dBm)
31.2

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.76	12.13	7.72	33.02	57.87

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

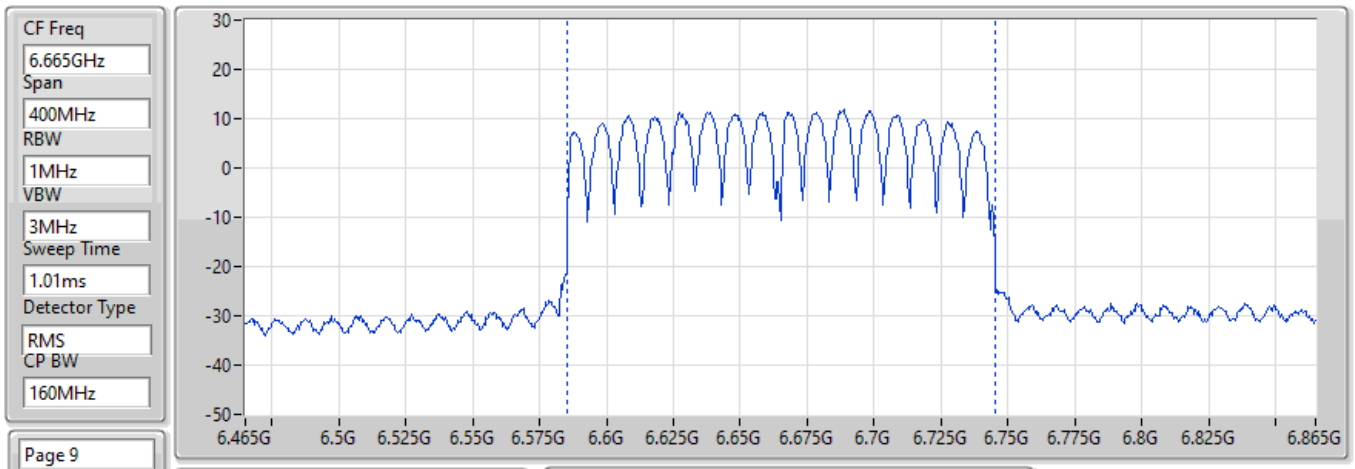


EIRP (dBm)
31.73

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.66	11.91	7.92	33.03	58.09

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



EIRP (dBm)
30.5

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.89	10.90	8.03	33.04	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_Nss1,(MCS0)_2TX	26.52	0.44875	20.78	0.119674
802.11ax HEW40_Nss1,(MCS0)_2TX	26.50	0.44668	20.76	0.119124
802.11ax HEW80_Nss1,(MCS0)_2TX	26.34	0.43053	20.60	0.114815
802.11ax HEW160_Nss1,(MCS0)_2TX	26.63	0.46026	20.89	0.122744
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_Nss1,(MCS0)_2TX	25.01	0.31696	20.97	0.125026
802.11ax HEW40_Nss1,(MCS0)_2TX	25.00	0.31623	20.96	0.124738
802.11ax HEW80_Nss1,(MCS0)_2TX	24.90	0.30903	20.86	0.121899
802.11ax HEW160_Nss1,(MCS0)_2TX	24.87	0.30690	20.83	0.121060

Result

Mode	Result	DG [Phi 30°] (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	-5.74	23.34	23.67	26.52	20.78	21.00
6195MHz	Pass	-5.74	23.34	23.54	26.45	20.71	21.00
6415MHz	Pass	-5.74	23.23	23.49	26.37	20.63	21.00
6535MHz	Pass	-4.04	21.54	22.41	25.01	20.97	21.00
6695MHz	Pass	-4.04	21.69	22.12	24.92	20.88	21.00
6855MHz	Pass	-4.04	21.42	21.98	24.72	20.68	21.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5965MHz	Pass	-5.74	21.93	21.84	24.90	19.16	21.00
6205MHz	Pass	-5.74	23.31	23.67	26.50	20.76	21.00
6405MHz	Pass	-5.74	23.25	23.66	26.47	20.73	21.00
6565MHz	Pass	-4.04	21.55	22.35	24.98	20.94	21.00
6685MHz	Pass	-4.04	21.65	22.31	25.00	20.96	21.00
6845MHz	Pass	-4.04	21.52	22.01	24.78	20.74	21.00
802.11ax HEW80_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5985MHz	Pass	-5.74	21.99	21.65	24.83	19.09	21.00
6225MHz	Pass	-5.74	23.17	23.48	26.34	20.60	21.00
6385MHz	Pass	-5.74	23.04	23.59	26.33	20.59	21.00
6625MHz	Pass	-4.04	21.71	22.06	24.90	20.86	21.00
6705MHz	Pass	-4.04	21.60	21.93	24.78	20.74	21.00
6785MHz	Pass	-4.04	21.65	21.75	24.71	20.67	21.00
802.11ax HEW160_Nss1,(MCS0)_2TX	-	-	-	-	-		-
6025MHz	Pass	-5.74	22.76	22.50	25.64	19.90	21.00
6185MHz	Pass	-5.74	23.13	23.68	26.42	20.68	21.00
6345MHz	Pass	-5.74	23.56	23.68	26.63	20.89	21.00
6665MHz	Pass	-4.04	21.72	22.00	24.87	20.83	21.00

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

Summary

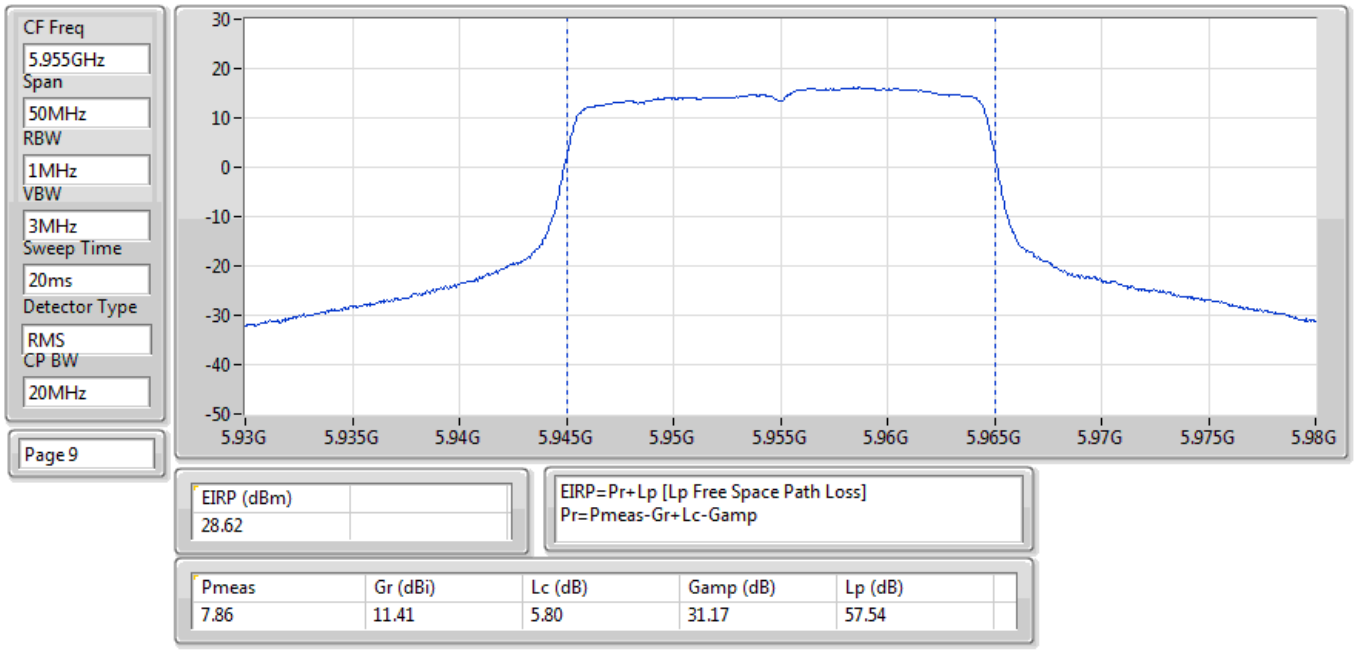
Mode	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	30.47	1.11429
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	31.40	1.38038
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	29.96	0.99083
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	28.54	0.71450
6.525-6.875GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	29.51	0.89331
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	30.49	1.11944
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	30.50	1.12202
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	29.46	0.88308

Result

Mode	Result	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-
5955MHz	Pass	28.62	36.00
6195MHz	Pass	30.47	36.00
6415MHz	Pass	30.32	36.00
6535MHz	Pass	28.24	36.00
6695MHz	Pass	29.12	36.00
6855MHz	Pass	29.51	36.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-
5965MHz	Pass	31.40	36.00
6205MHz	Pass	30.70	36.00
6405MHz	Pass	29.96	36.00
6565MHz	Pass	29.71	36.00
6685MHz	Pass	30.32	36.00
6845MHz	Pass	30.49	36.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-
5985MHz	Pass	28.25	36.00
6225MHz	Pass	29.96	36.00
6385MHz	Pass	29.37	36.00
6625MHz	Pass	30.50	36.00
6705MHz	Pass	30.02	36.00
6785MHz	Pass	30.18	36.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-
6025MHz	Pass	27.13	36.00
6185MHz	Pass	28.18	36.00
6345MHz	Pass	28.54	36.00
6665MHz	Pass	29.46	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

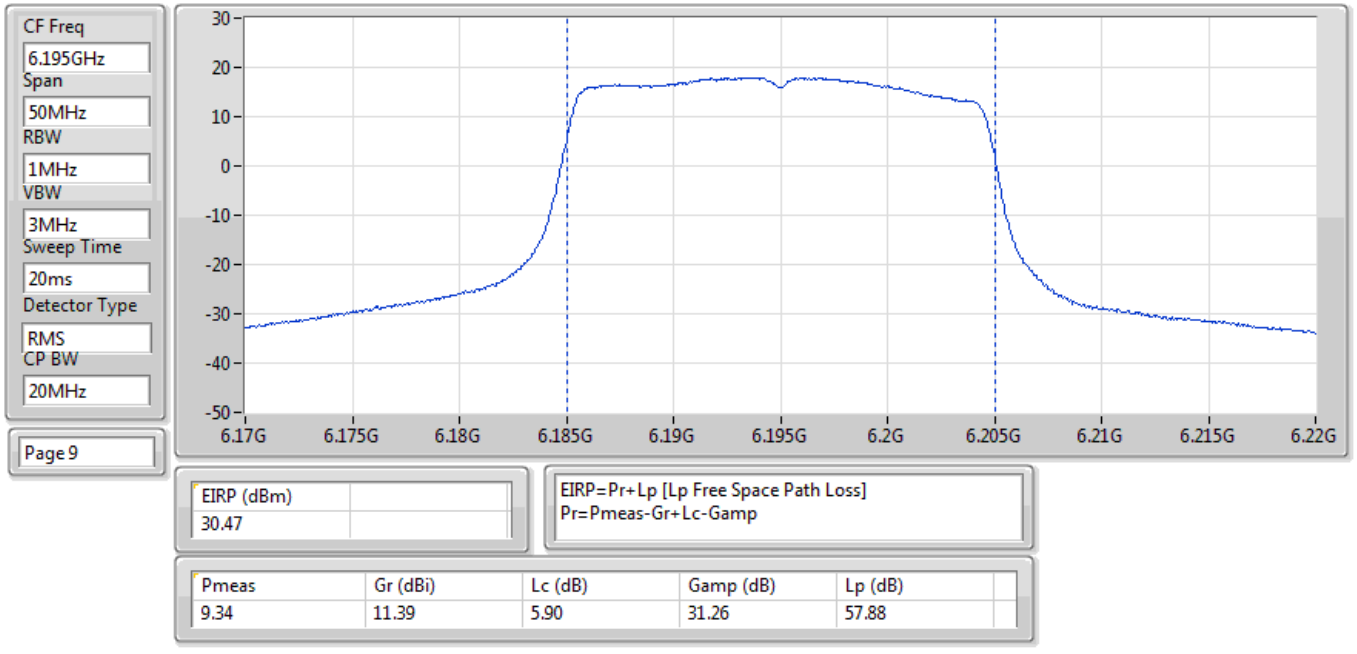


EIRP (dBm)
28.62

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.86	11.41	5.80	31.17	57.54

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

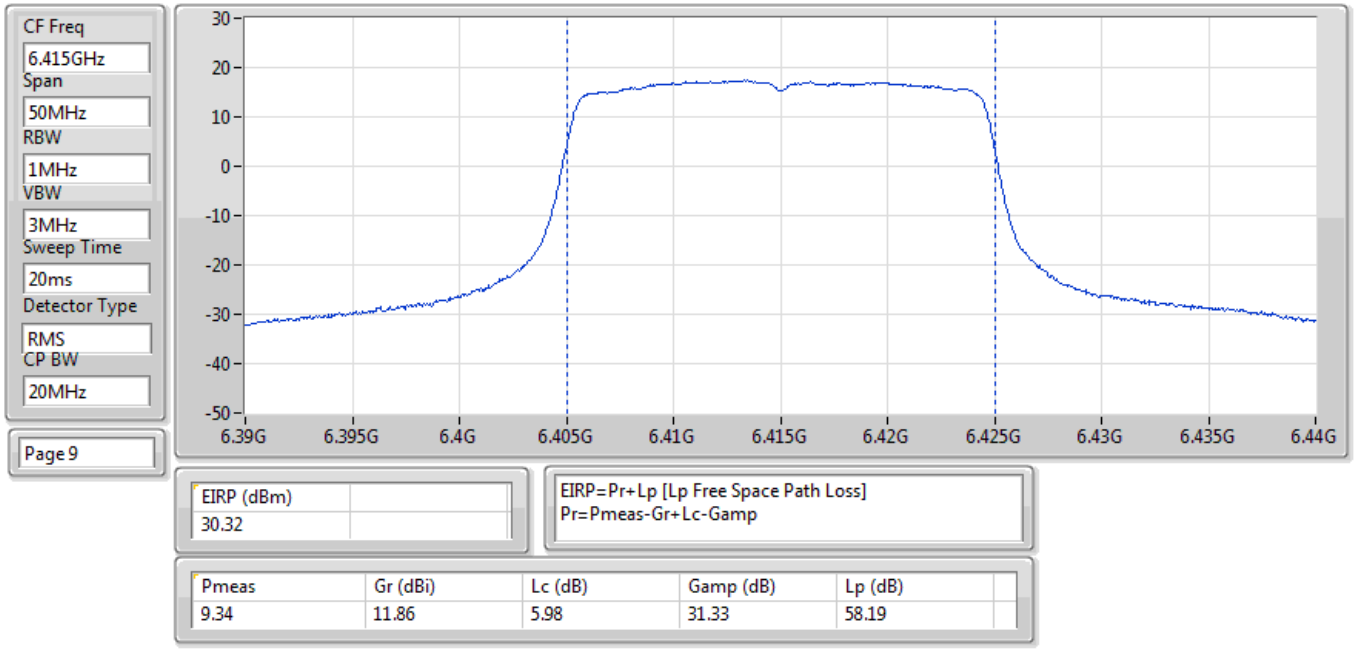


EIRP (dBm)
30.47

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.34	11.39	5.90	31.26	57.88

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

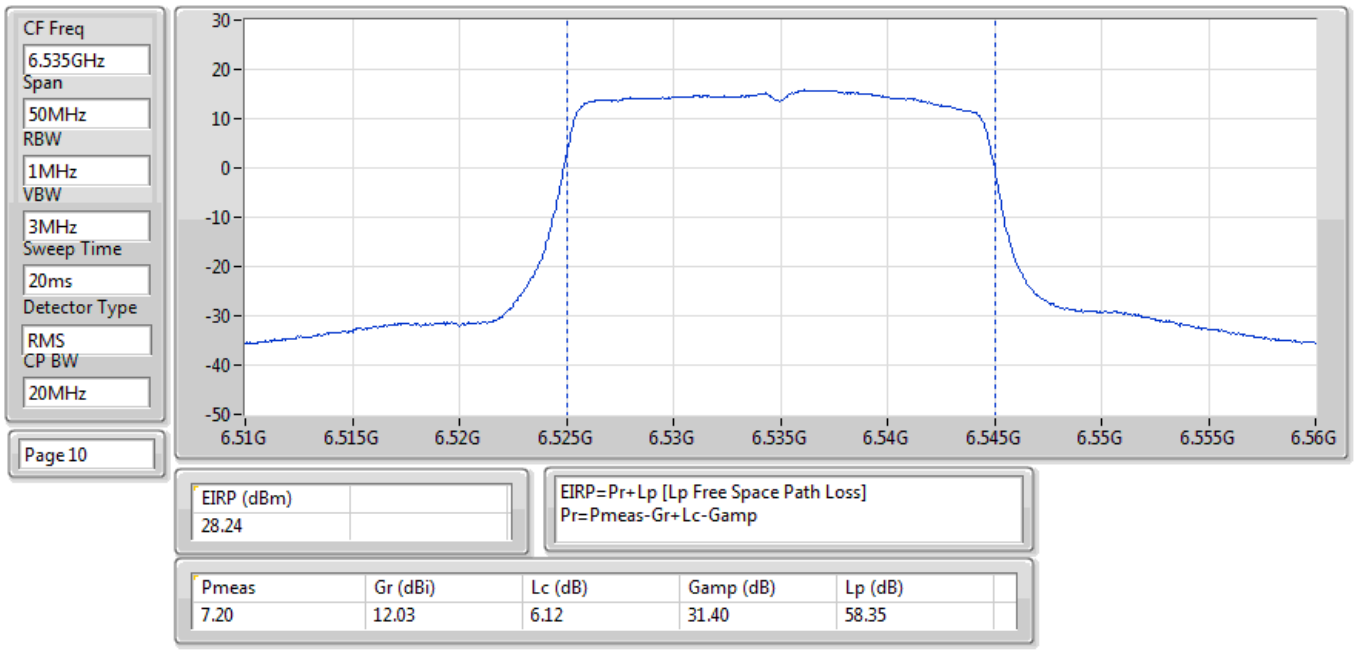


EIRP (dBm)
30.32

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.34	11.86	5.98	31.33	58.19

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

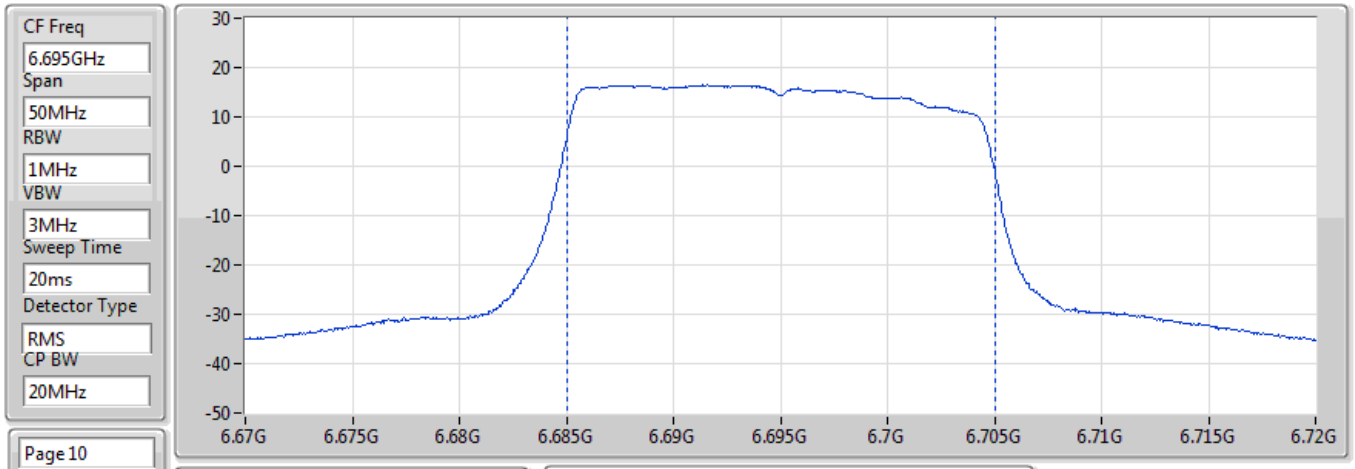


EIRP (dBm)
28.24

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.20	12.03	6.12	31.40	58.35

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

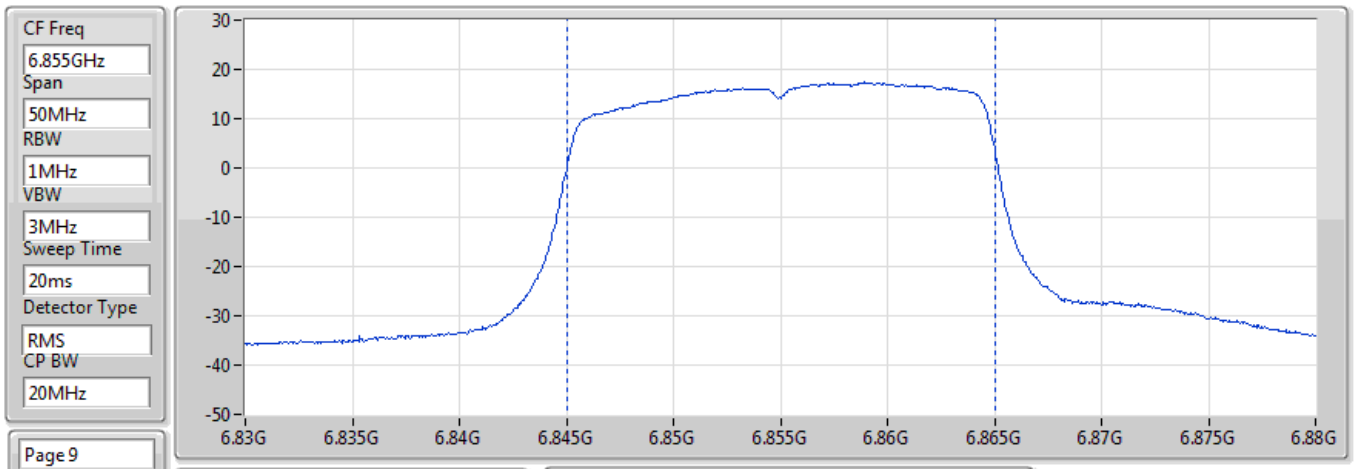


EIRP (dBm)
29.12

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.56	11.61	6.20	31.59	58.56

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

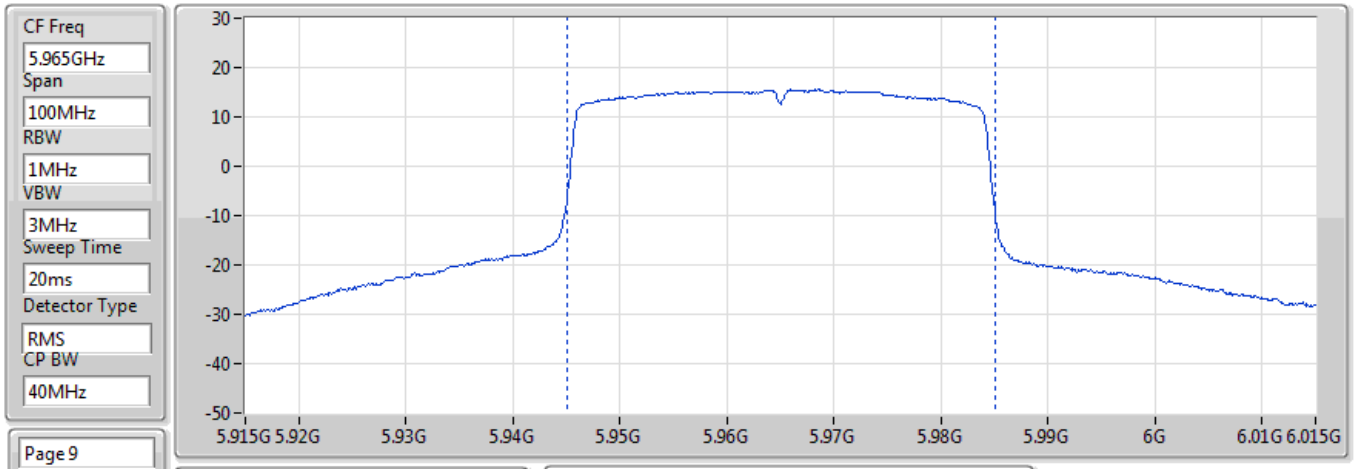


EIRP (dBm)
29.51

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.87	11.60	6.25	31.77	58.76

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

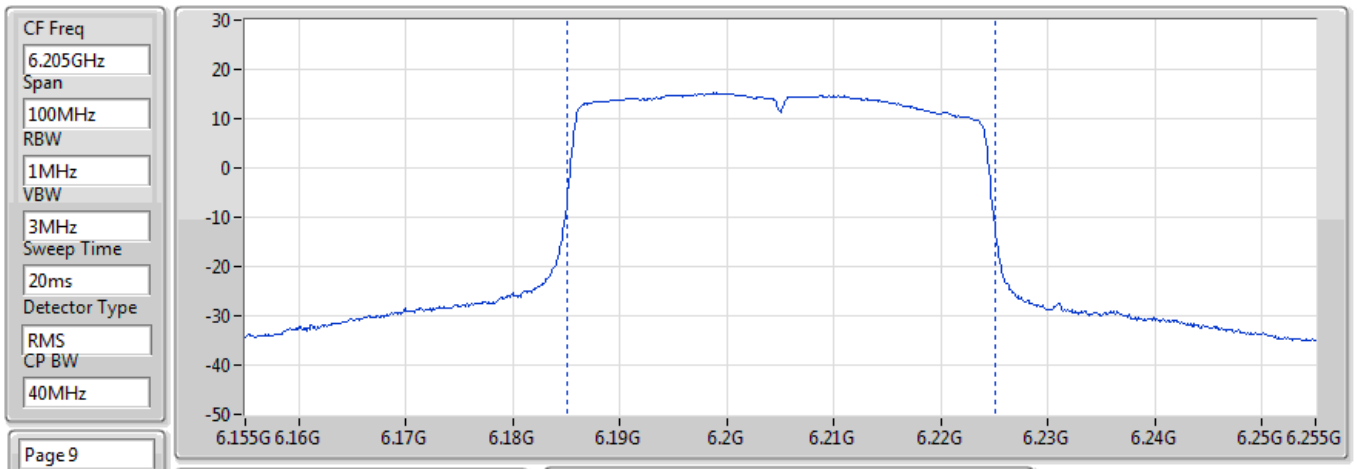


EIRP (dBm)
31.4

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
10.64	11.43	5.81	31.17	57.55

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

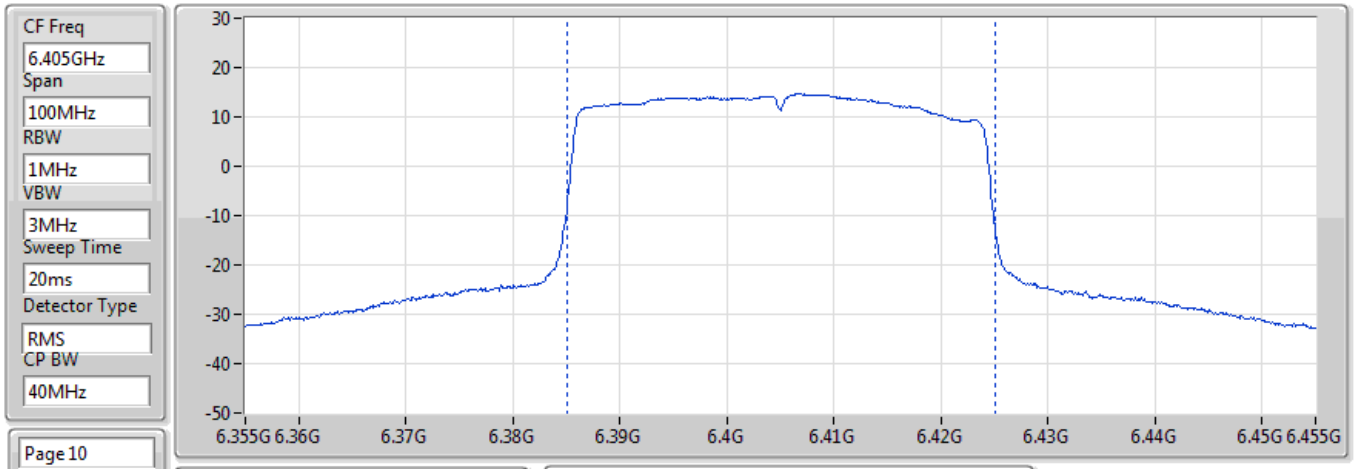


EIRP (dBm)
30.7

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.57	11.41	5.90	31.26	57.90

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

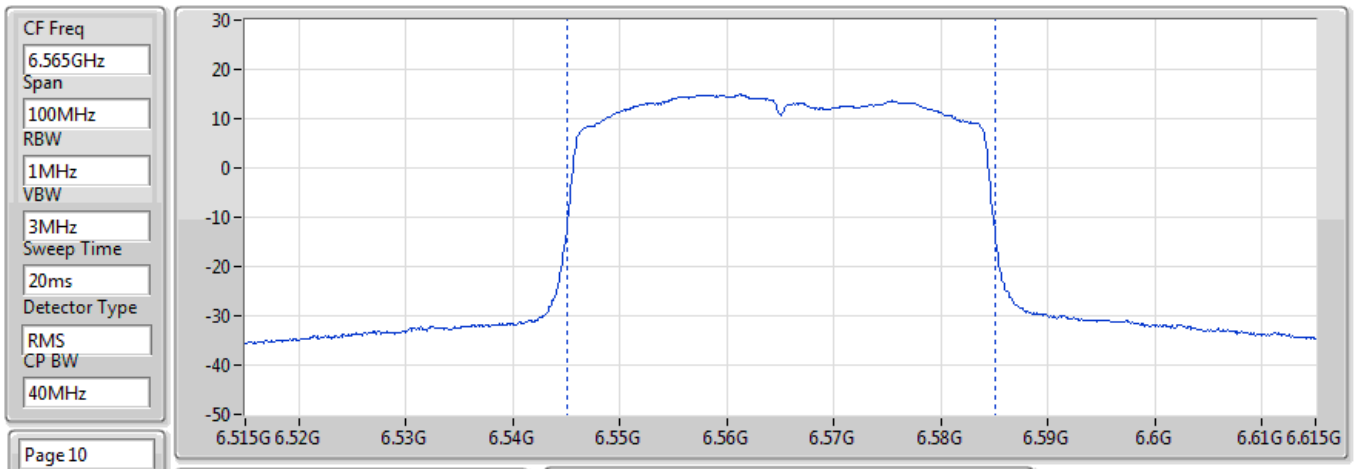


EIRP (dBm)
29.96

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.97	11.82	5.97	31.33	58.17

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

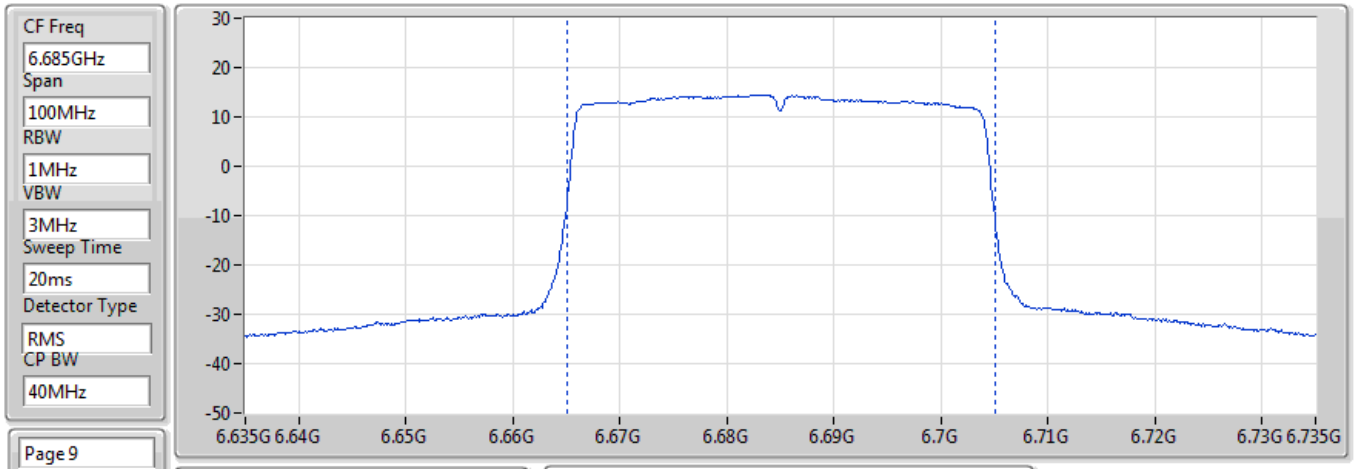


EIRP (dBm)
29.71

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.54	11.94	6.16	31.44	58.39

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

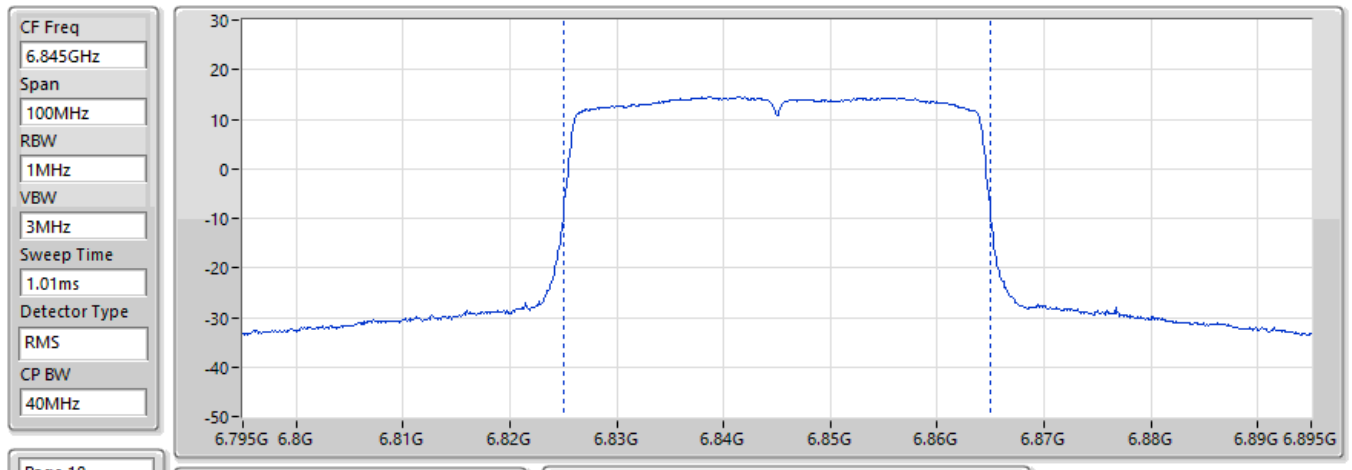


EIRP (dBm)
30.32

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.78	11.63	6.20	31.57	58.54

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

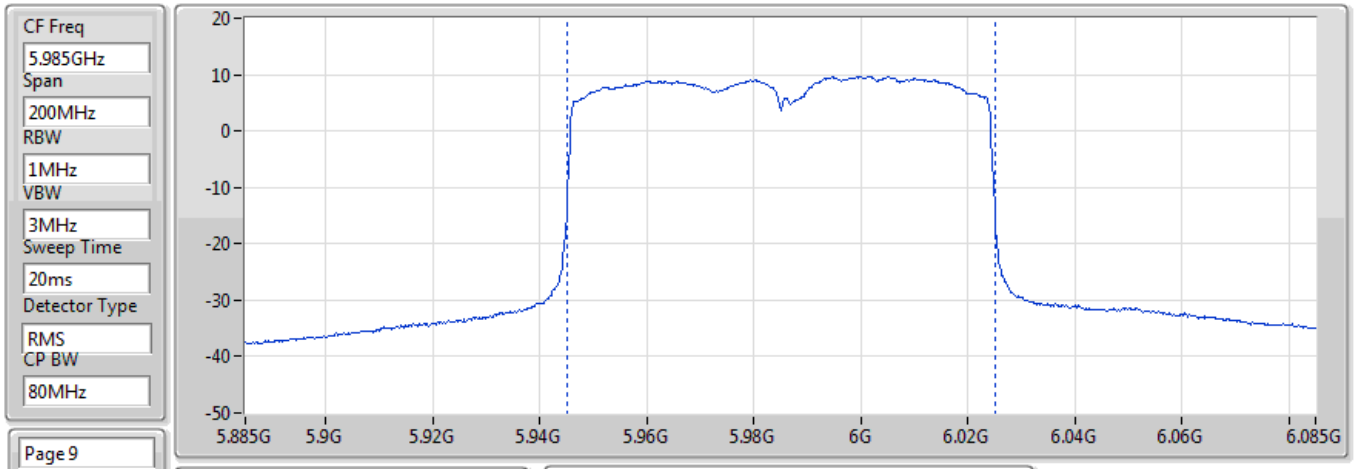


EIRP (dBm)
30.49

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.84	11.58	6.24	31.76	58.75

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

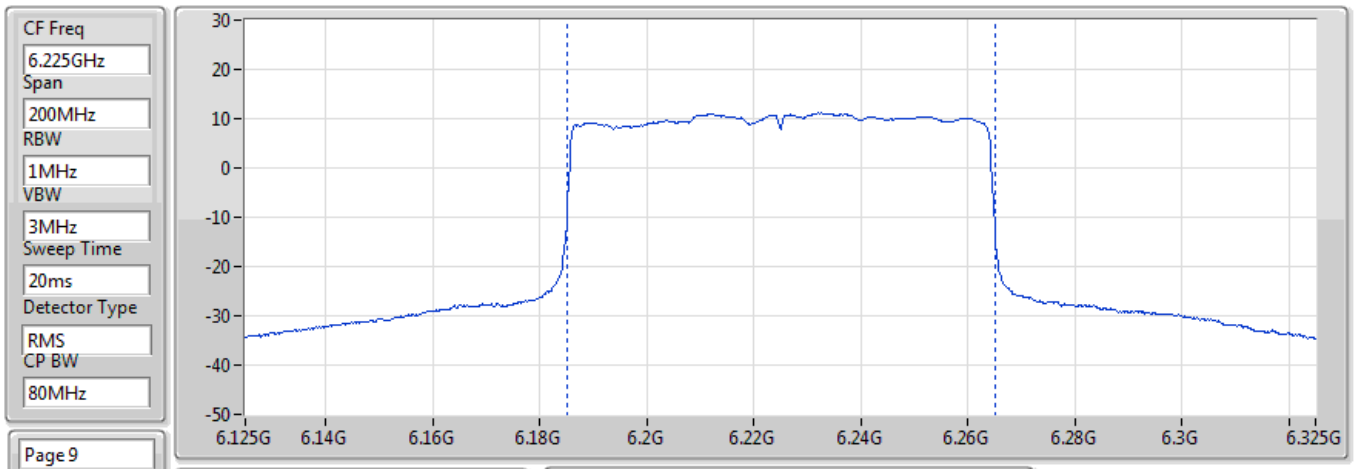


EIRP (dBm)
28.25

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.49	11.47	5.83	31.18	57.58

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

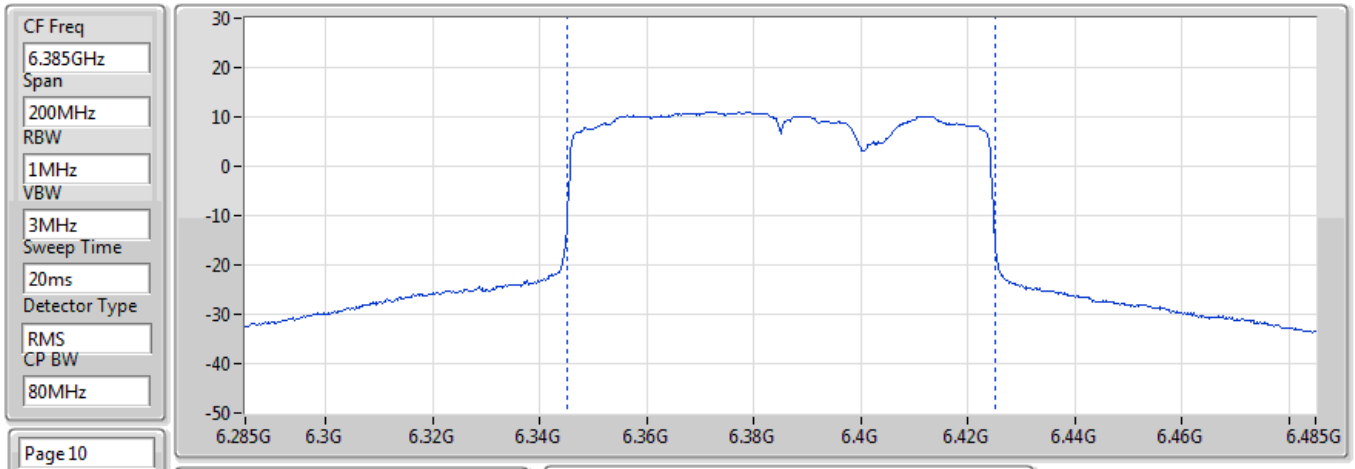


EIRP (dBm)
29.96

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.84	11.45	5.91	31.27	57.93

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

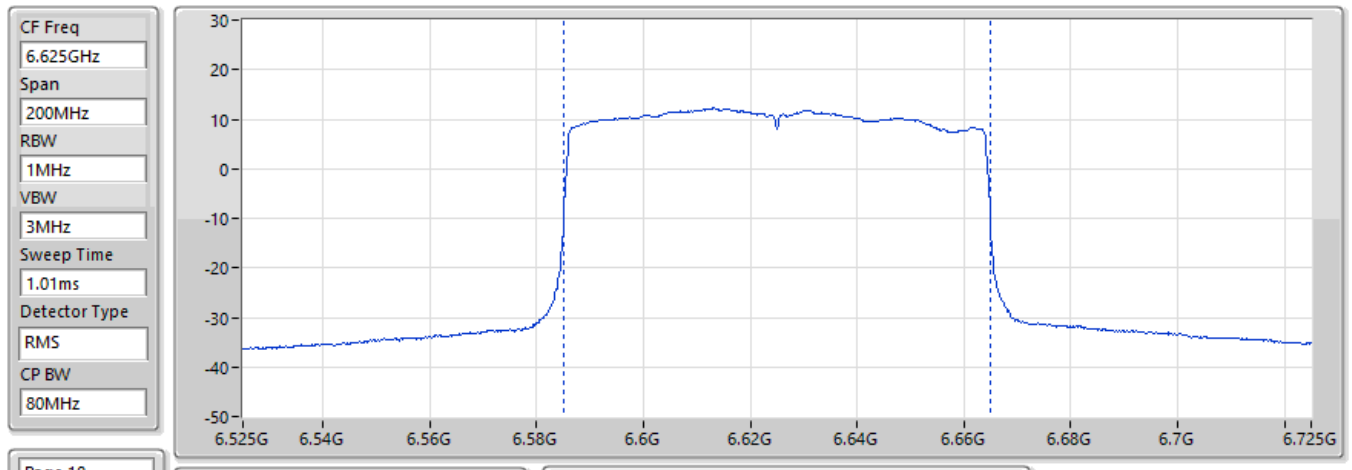


EIRP (dBm)
29.37

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.38	11.80	5.96	31.32	58.15

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

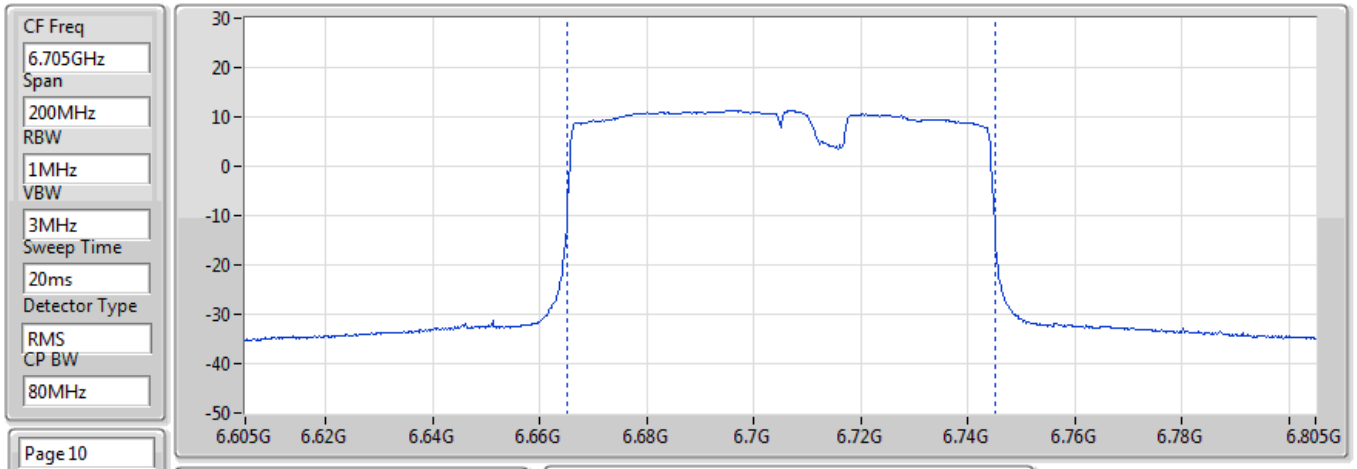


EIRP (dBm)
30.5

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
9.08	11.75	6.20	31.50	58.47

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

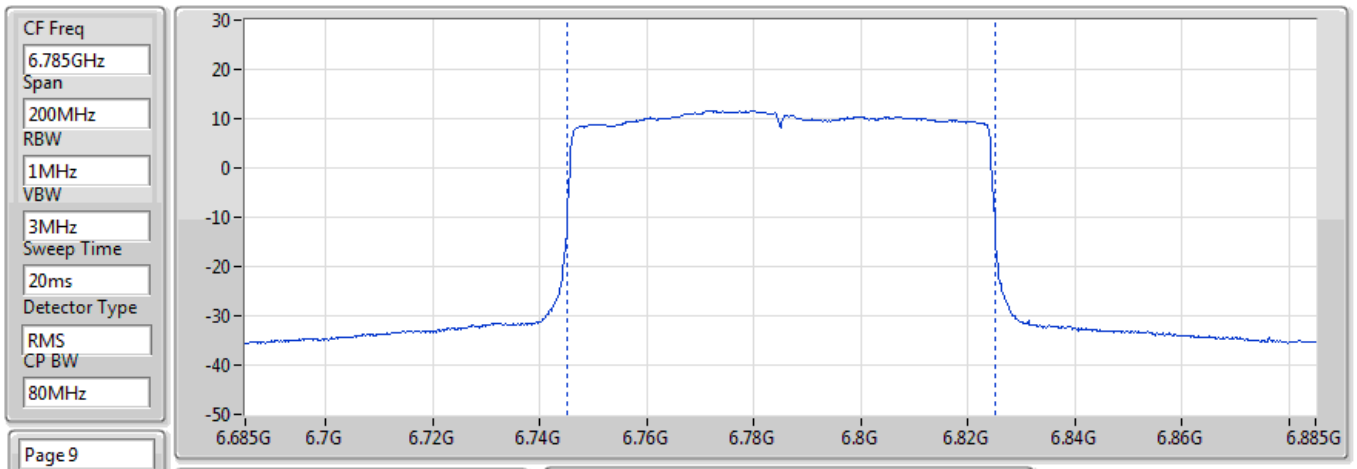


EIRP (dBm)
30.02

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.44	11.60	6.21	31.60	58.57

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

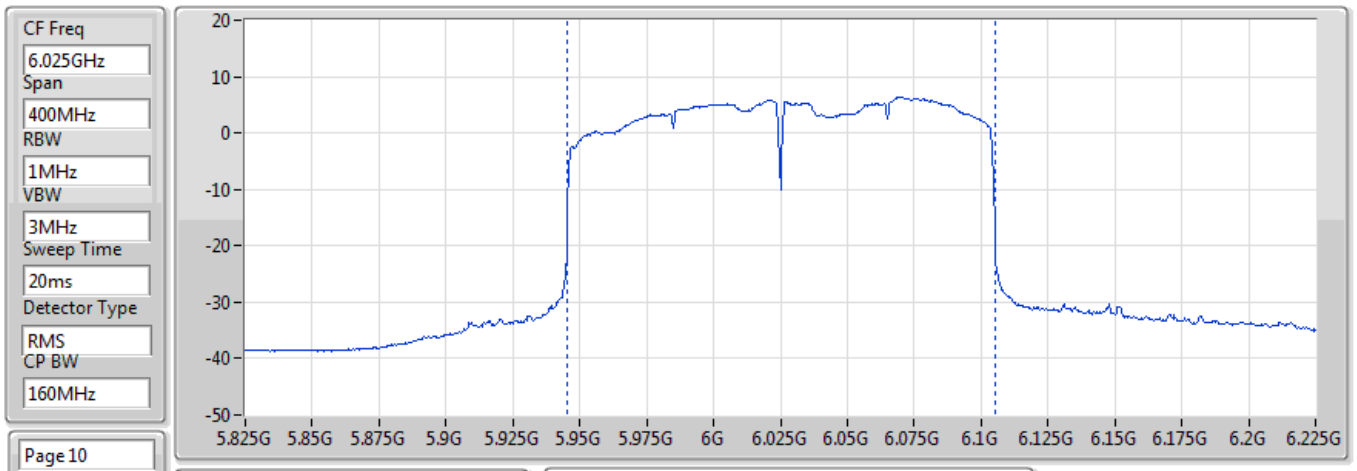


EIRP (dBm)
30.18

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
8.45	11.46	6.21	31.69	58.67

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

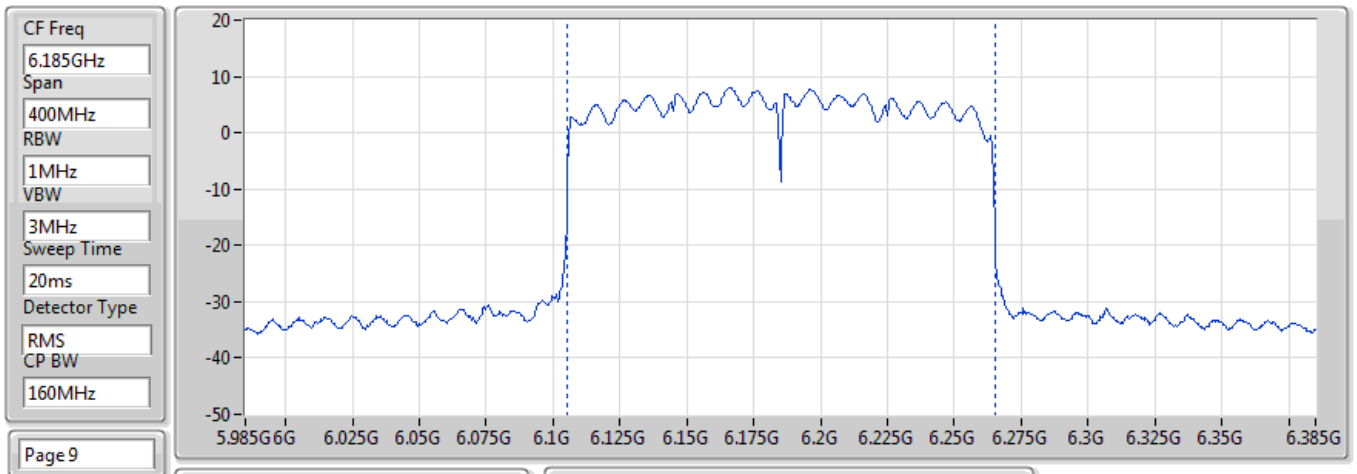


EIRP (dBm)
27.13

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
6.28	11.45	5.86	31.20	57.64

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

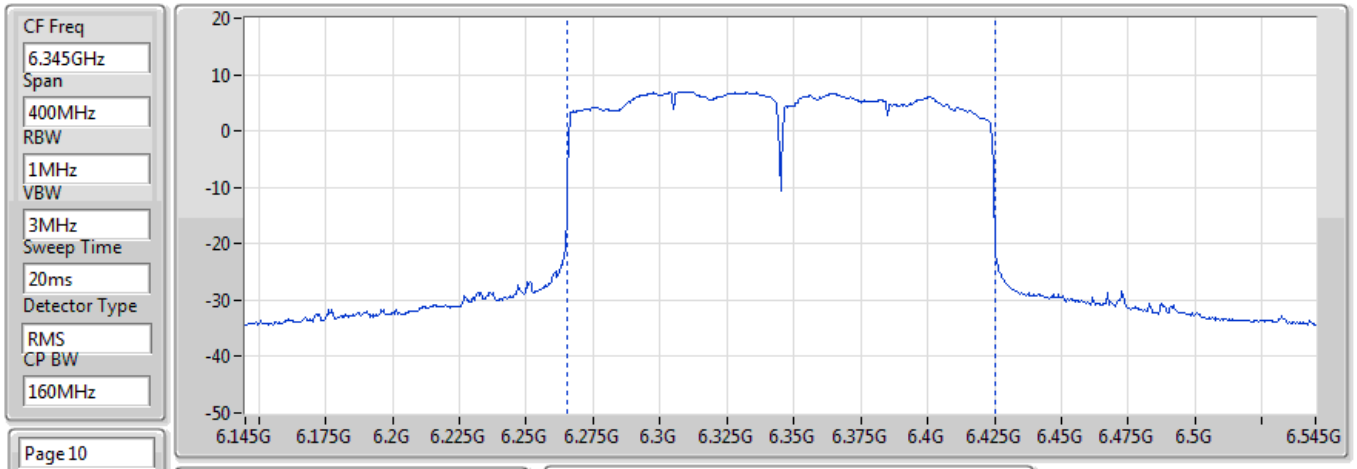


EIRP (dBm)
28.18

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.03	11.37	5.90	31.25	57.87

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

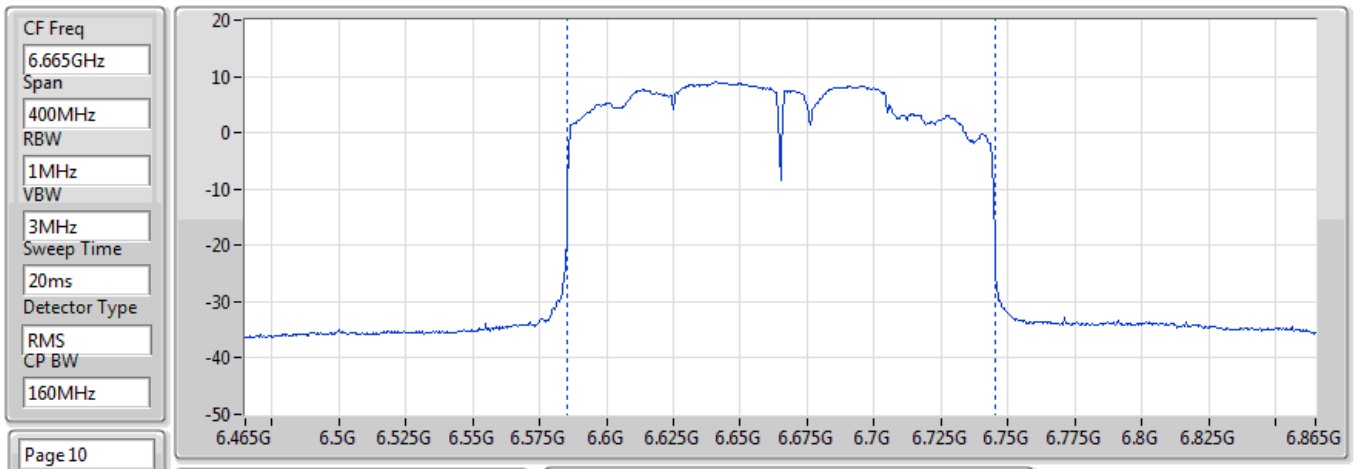


EIRP (dBm)
28.54

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.61	11.79	5.94	31.31	58.09

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



EIRP (dBm)
29.46

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
7.96	11.67	6.20	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	23.76	0.23768	18.35	0.068391
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	23.66	0.23227	18.25	0.066834
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	23.62	0.23014	18.21	0.066222
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	23.58	0.22803	18.17	0.065615
6.525-6.875GHz	-	-		
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.60	0.18197	20.46	0.111173
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.75	0.18836	20.61	0.115080
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	22.68	0.18535	20.54	0.113240
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	22.62	0.18281	20.48	0.111686

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	EIRP [Phi 30°] (dBm)	EIRP [Phi 30°] Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
5955MHz	Pass	9.00/-5.41	20.48	21.00	23.76	18.35	21.00
6195MHz	Pass	9.00/-5.41	20.36	20.58	23.48	18.07	21.00
6415MHz	Pass	9.00/-5.41	20.04	20.54	23.31	17.90	21.00
6535MHz	Pass	9.00/-2.14	19.64	19.45	22.56	20.42	21.00
6695MHz	Pass	9.00/-2.14	19.48	19.49	22.50	20.36	21.00
6855MHz	Pass	9.00/-2.14	19.59	19.58	22.60	20.46	21.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5965MHz	Pass	9.00/-5.41	20.57	20.69	23.64	18.23	21.00
6205MHz	Pass	9.00/-5.41	20.29	20.71	23.52	18.11	21.00
6405MHz	Pass	9.00/-5.41	20.50	20.79	23.66	18.25	21.00
6565MHz	Pass	9.00/-2.14	19.20	19.94	22.60	20.46	21.00
6685MHz	Pass	9.00/-2.14	19.71	19.76	22.75	20.61	21.00
6845MHz	Pass	9.00/-2.14	18.67	18.66	21.68	19.54	21.00
802.11ax HEW80-BF_Nss1,(MCS0)_2TX	-	-	-	-	-		-
5985MHz	Pass	9.00/-5.41	20.23	20.86	23.57	18.16	21.00
6225MHz	Pass	9.00/-5.41	20.52	20.69	23.62	18.21	21.00
6385MHz	Pass	9.00/-5.41	20.34	20.68	23.52	18.11	21.00
6625MHz	Pass	9.00/-2.14	18.63	18.71	21.68	19.54	21.00
6705MHz	Pass	9.00/-2.14	19.72	19.61	22.68	20.54	21.00
6785MHz	Pass	9.00/-2.14	19.56	19.36	22.47	20.33	21.00
802.11ax HEW160-BF_Nss1,(MCS0)_2TX	-	-	-	-	-		-
6025MHz	Pass	9.00/-5.41	20.21	20.63	23.44	18.03	21.00
6185MHz	Pass	9.00/-5.41	20.42	20.53	23.49	18.08	21.00
6345MHz	Pass	9.00/-5.41	20.52	20.62	23.58	18.17	21.00
6665MHz	Pass	9.00/-2.14	19.63	19.59	22.62	20.48	21.00

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

Summary

Mode	Radiated EIRP PSD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	15.84
802.11ax HEW40_Nss1,(MCS0)_1TX	13.39
802.11ax HEW80_Nss1,(MCS0)_1TX	10.33
802.11ax HEW160_Nss1,(MCS0)_1TX	7.01
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	15.46
802.11ax HEW40_Nss1,(MCS0)_1TX	12.47
802.11ax HEW80_Nss1,(MCS0)_1TX	10.14
802.11ax HEW160_Nss1,(MCS0)_1TX	6.10

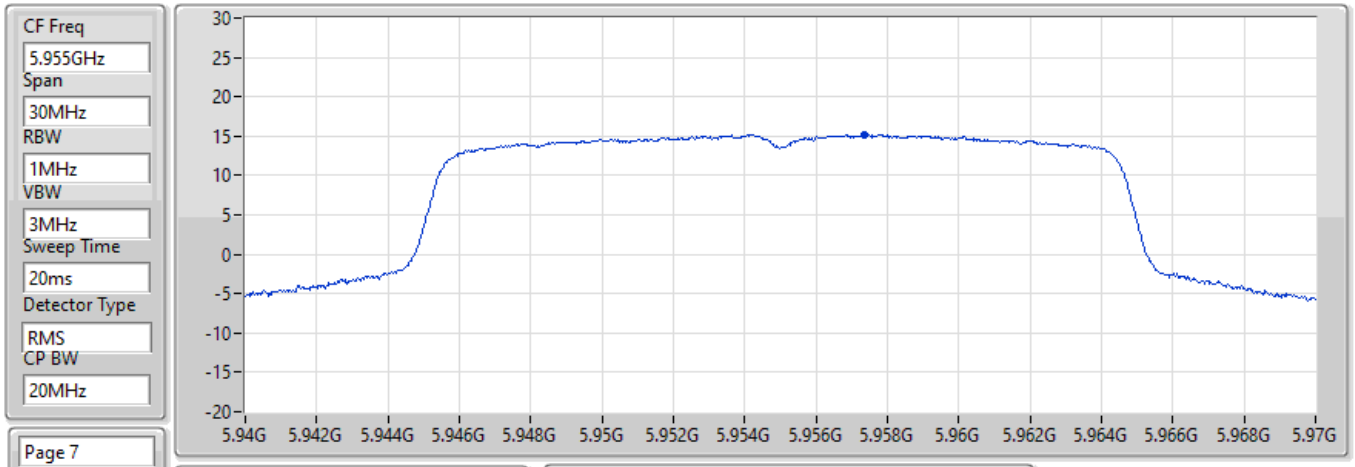
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	Radiated EIRP PSD (dBm/RBW)	Radiated EIRP PSD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	15.24	23.00
6195MHz	Pass	15.84	23.00
6415MHz	Pass	15.43	23.00
6535MHz	Pass	14.34	23.00
6695MHz	Pass	15.46	23.00
6855MHz	Pass	14.78	23.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	10.45	23.00
6205MHz	Pass	12.60	23.00
6405MHz	Pass	13.39	23.00
6565MHz	Pass	12.02	23.00
6685MHz	Pass	12.25	23.00
6845MHz	Pass	12.47	23.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	7.02	23.00
6225MHz	Pass	10.33	23.00
6385MHz	Pass	9.34	23.00
6625MHz	Pass	8.49	23.00
6705MHz	Pass	10.14	23.00
6785MHz	Pass	9.38	23.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	7.01	23.00
6185MHz	Pass	6.96	23.00
6345MHz	Pass	7.00	23.00
6665MHz	Pass	6.10	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

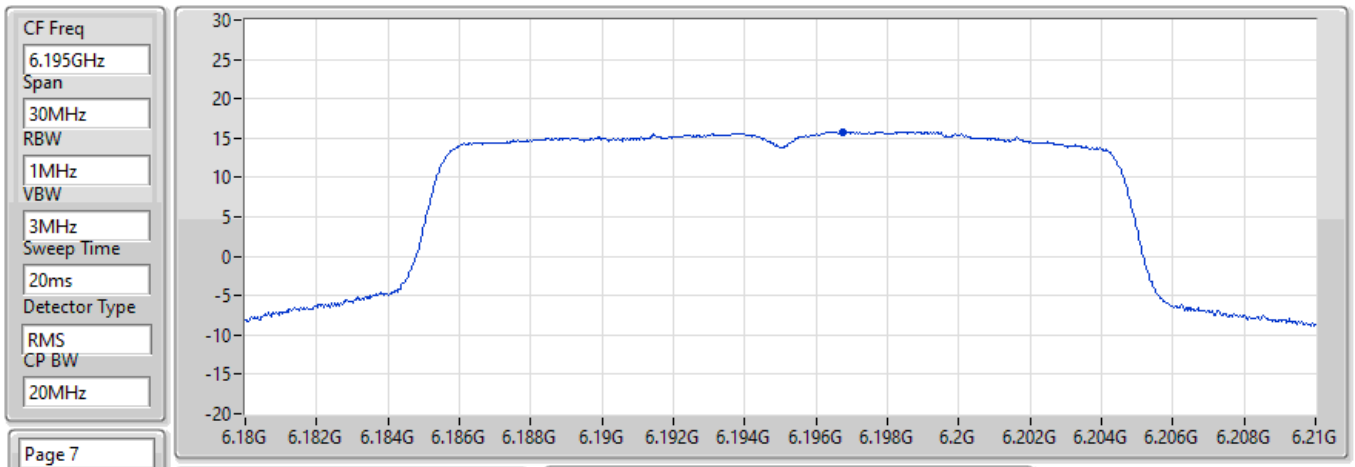


EIRP PSD (dBm)
15.24

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.41	10.71	6.34	33.52	57.54

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

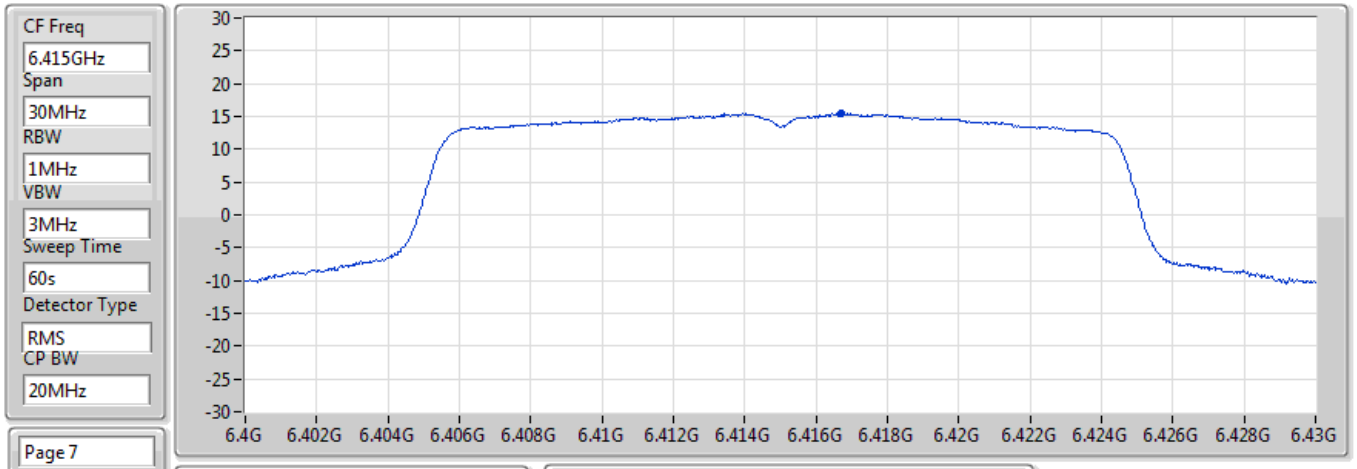


EIRP PSD (dBm)
15.84

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.32	10.81	6.61	33.53	57.89

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

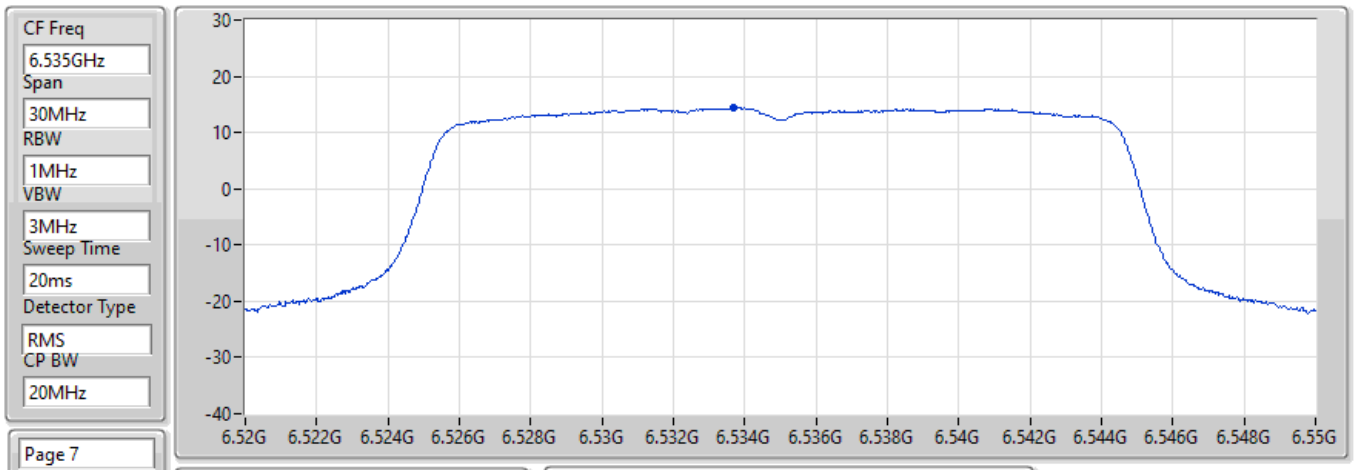


EIRP PSD (dBm)
15.43

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.79	11.10	6.65	33.52	58.19

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

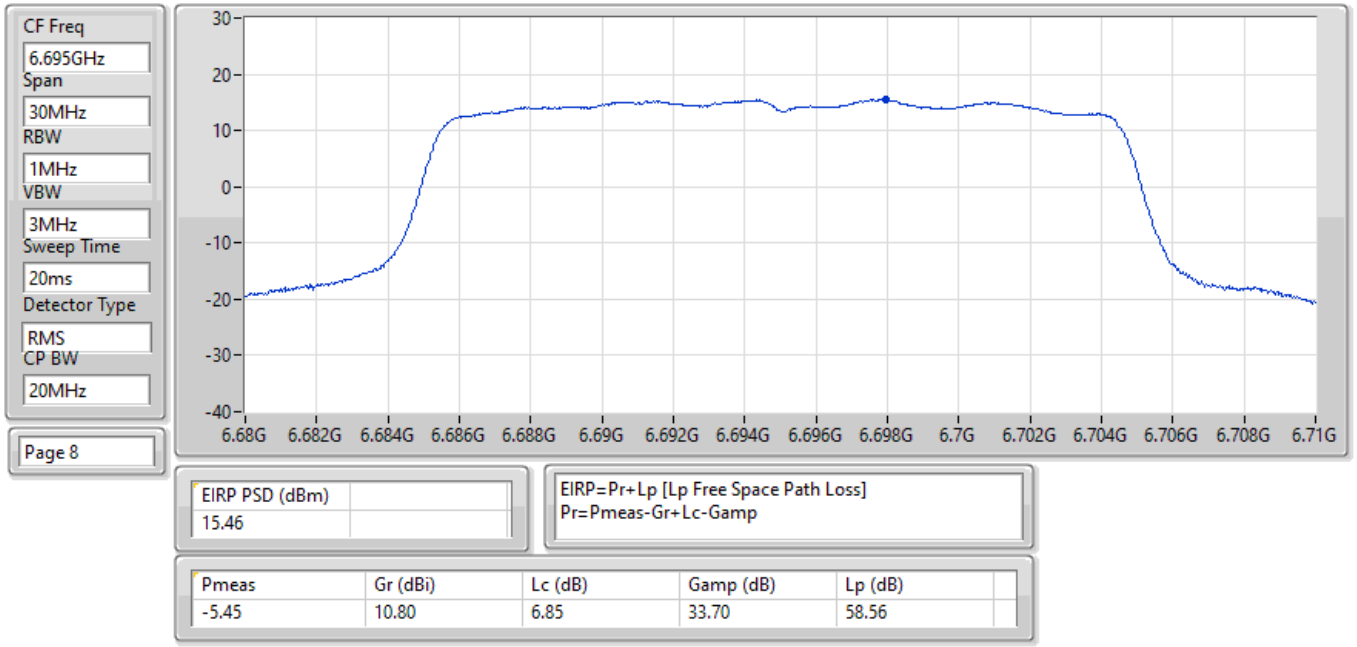


EIRP PSD (dBm)
14.34

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-6.16	11.07	6.77	33.55	58.35

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

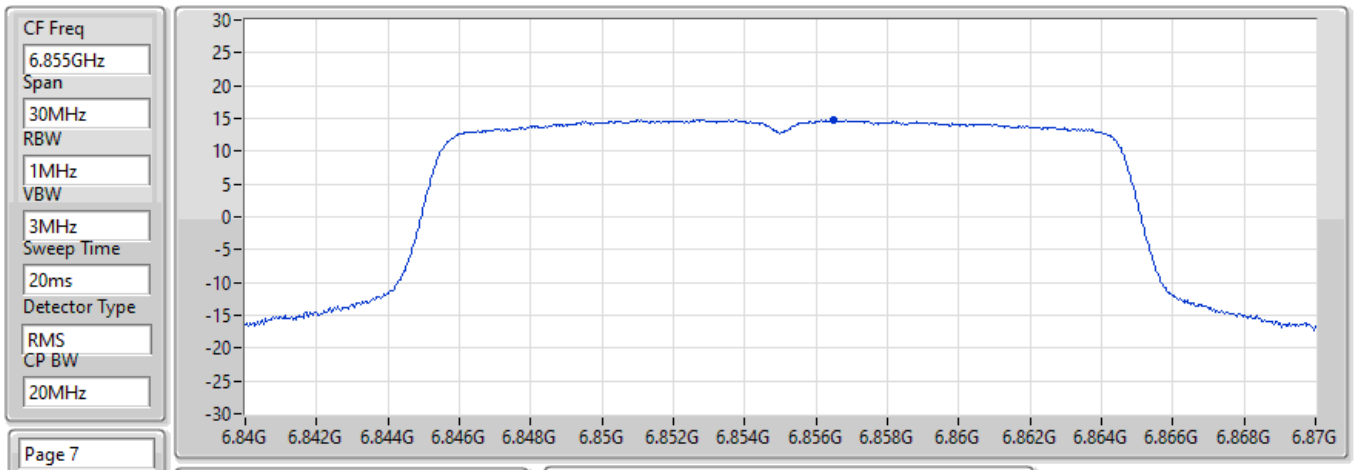


EIRP PSD (dBm)
15.46

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-5.45	10.80	6.85	33.70	58.56

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

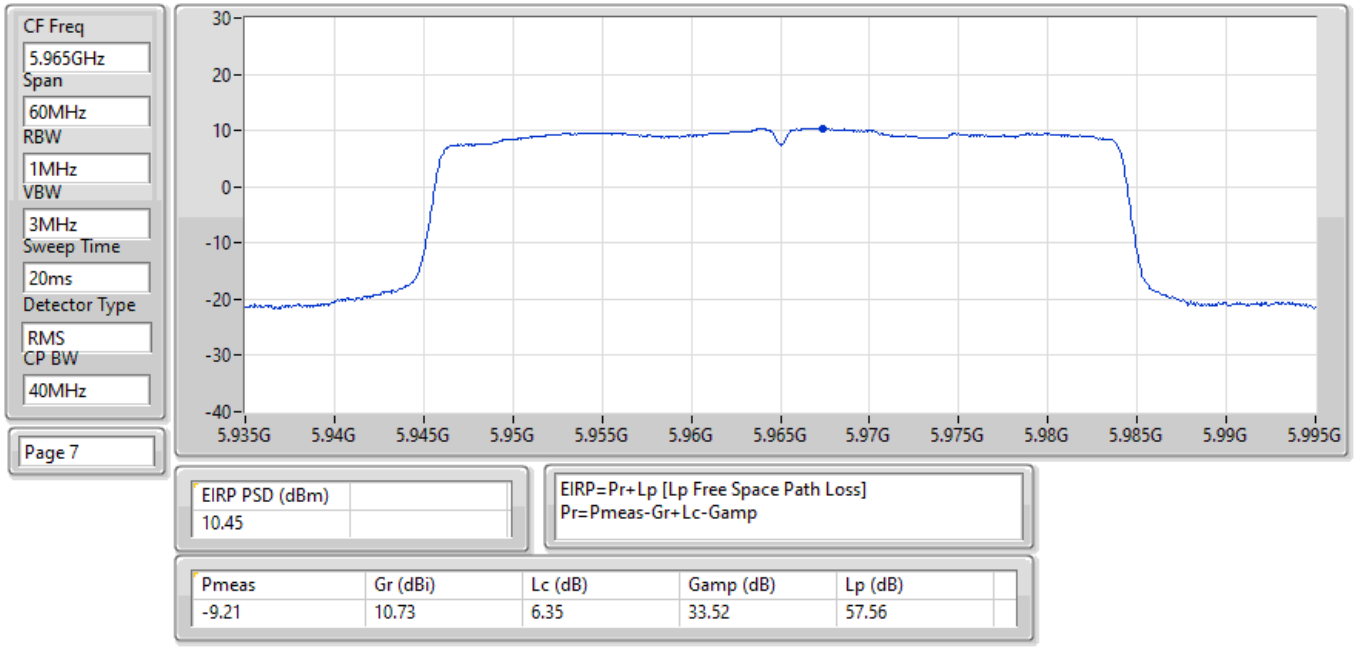


EIRP PSD (dBm)
14.78

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-6.33	10.71	6.90	33.84	58.76

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

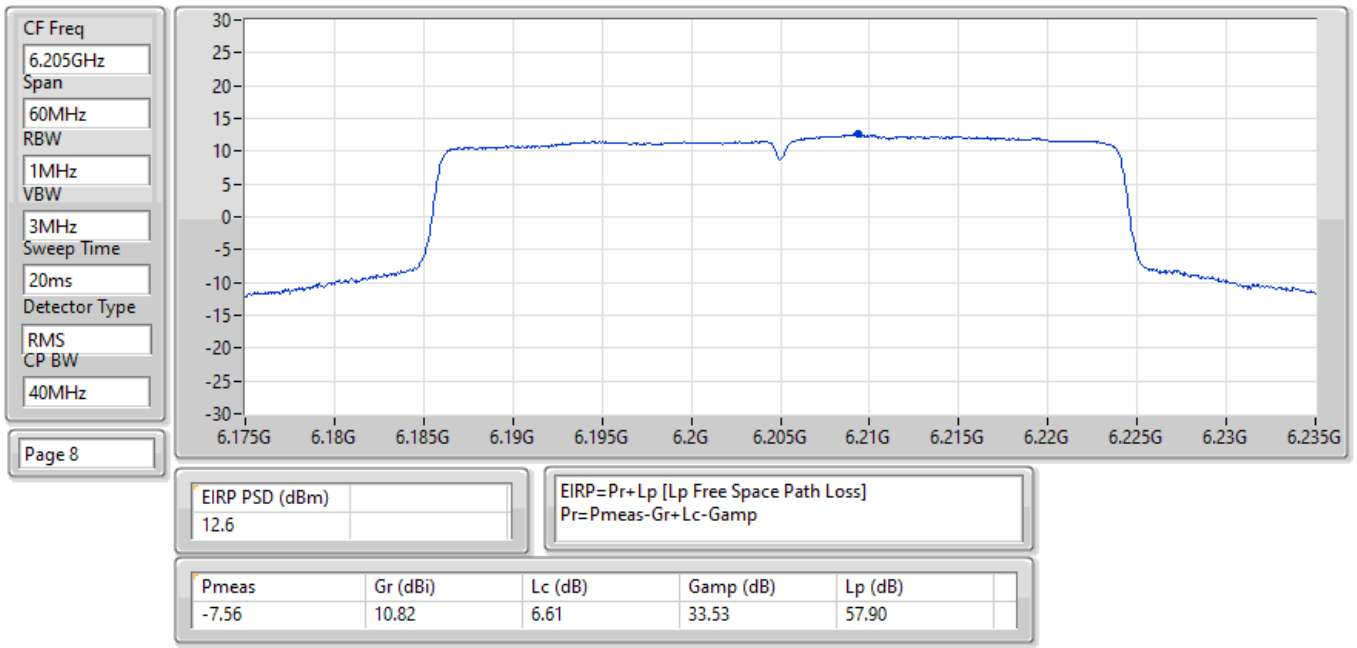


EIRP PSD (dBm)
10.45

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-9.21	10.73	6.35	33.52	57.56

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

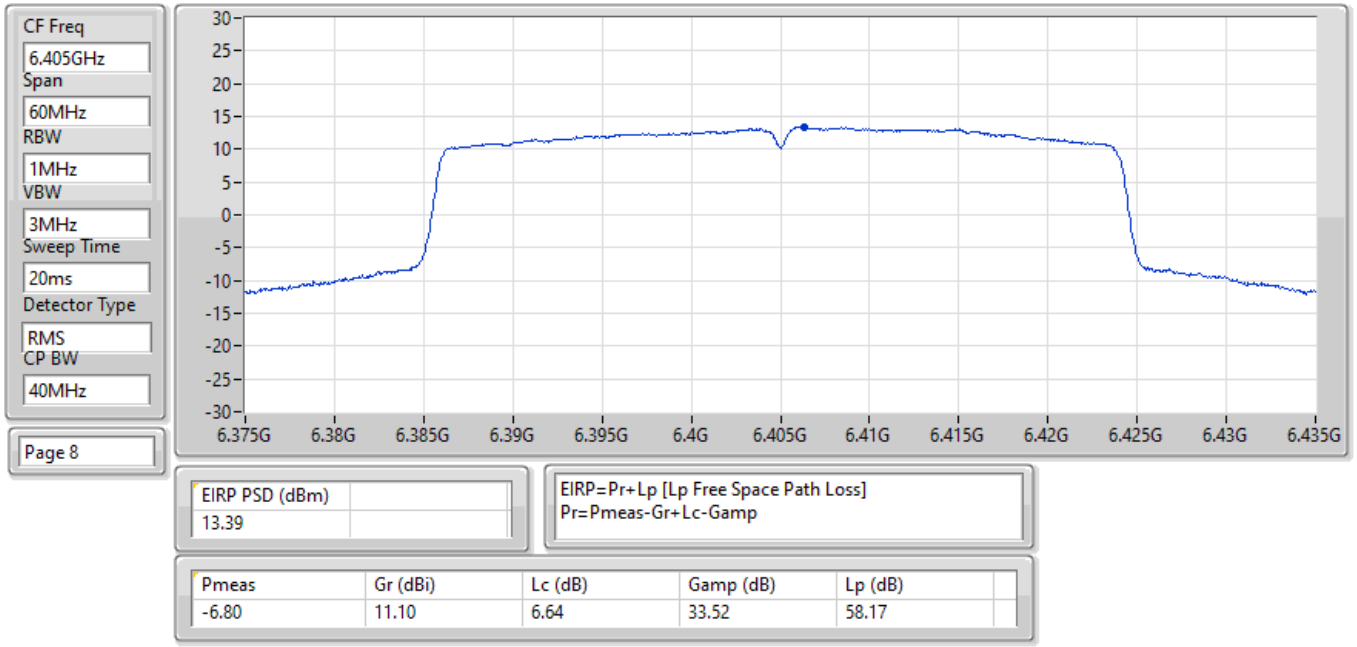


EIRP PSD (dBm)
12.6

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-7.56	10.82	6.61	33.53	57.90

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

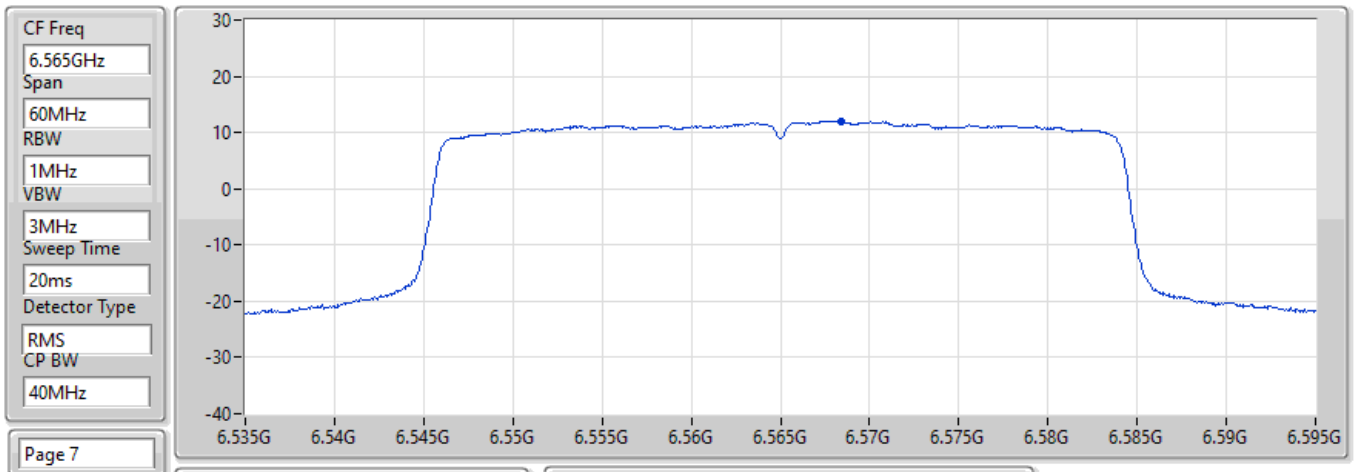


EIRP PSD (dBm)
13.39

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-6.80	11.10	6.64	33.52	58.17

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

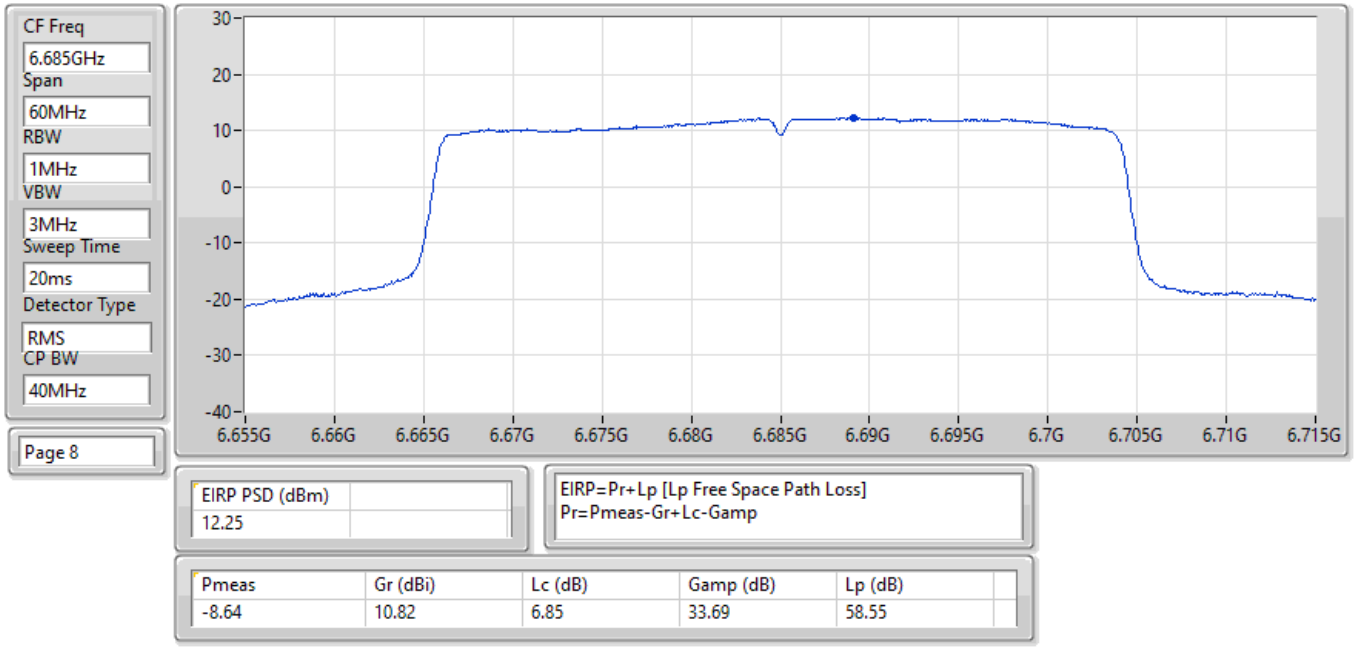


EIRP PSD (dBm)
12.02

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-8.67	10.93	6.81	33.58	58.39

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

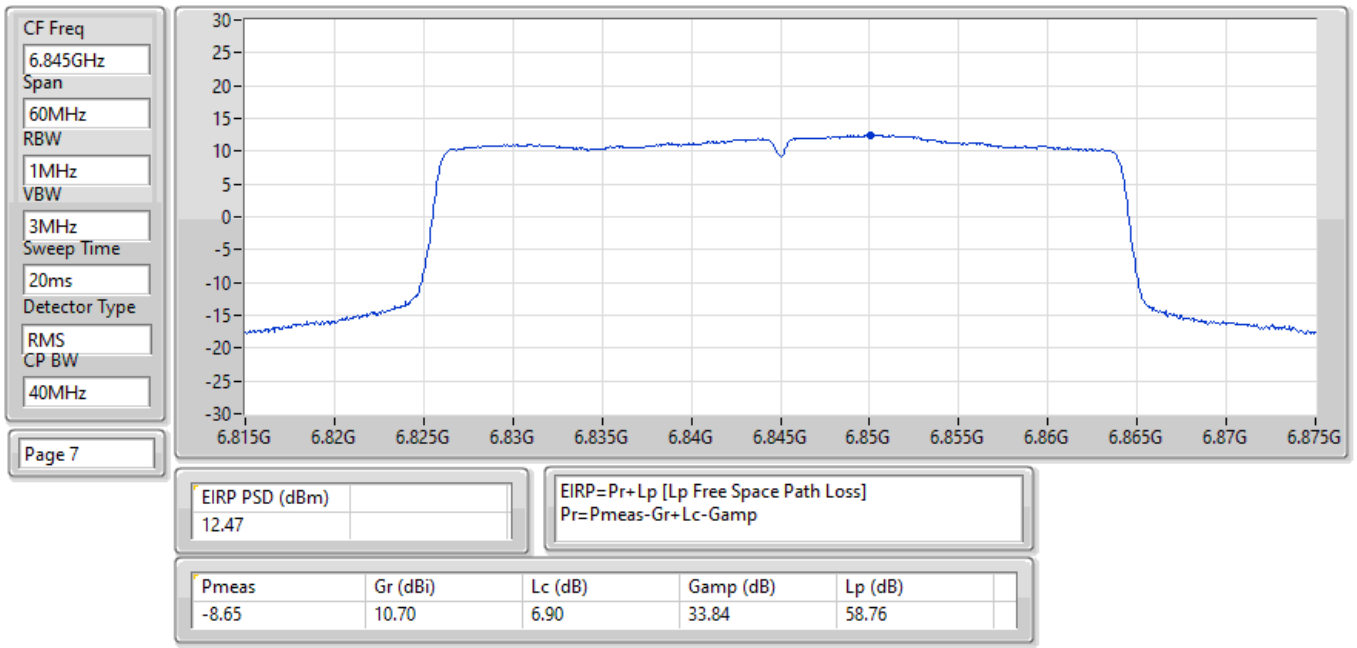


EIRP PSD (dBm)
12.25

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-8.64	10.82	6.85	33.69	58.55

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

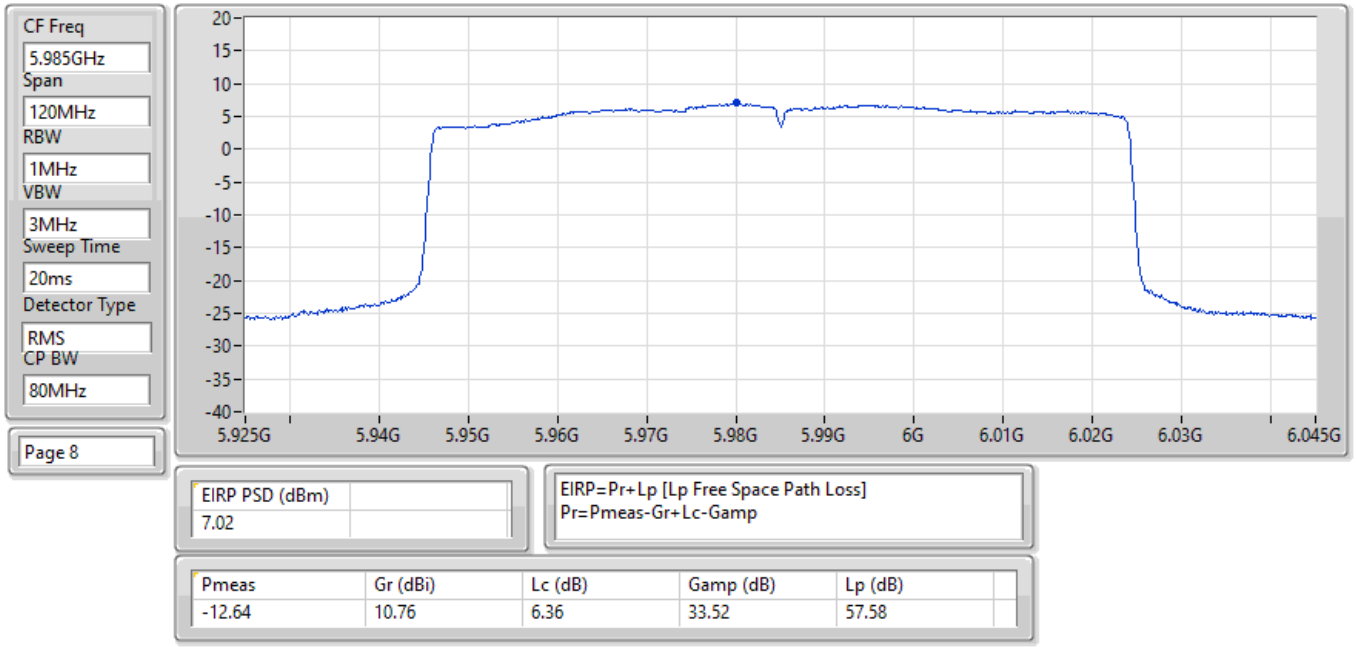


EIRP PSD (dBm)
12.47

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-8.65	10.70	6.90	33.84	58.76

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

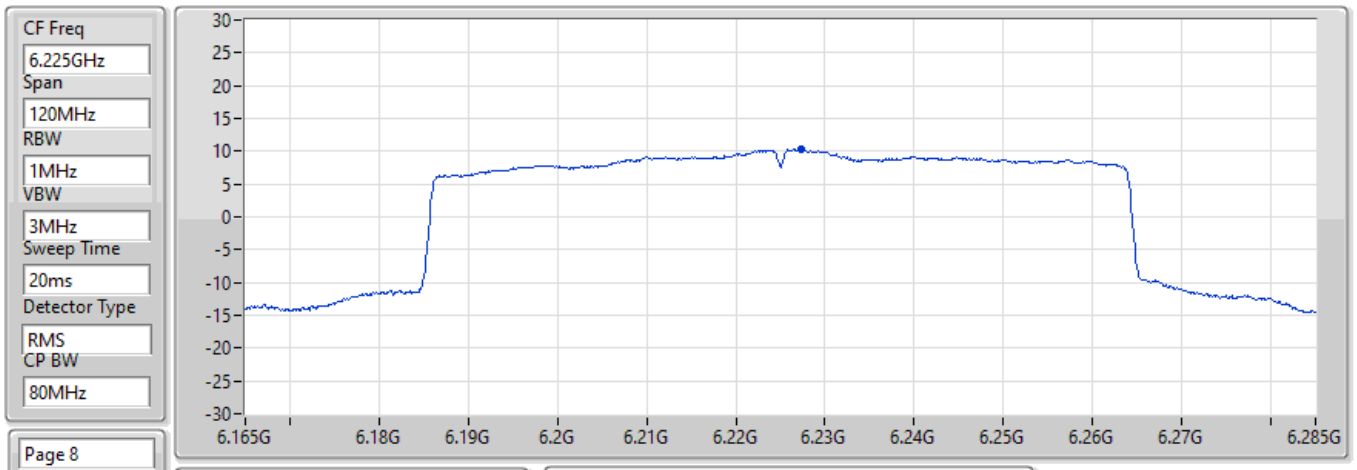


EIRP PSD (dBm)
7.02

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.64	10.76	6.36	33.52	57.58

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

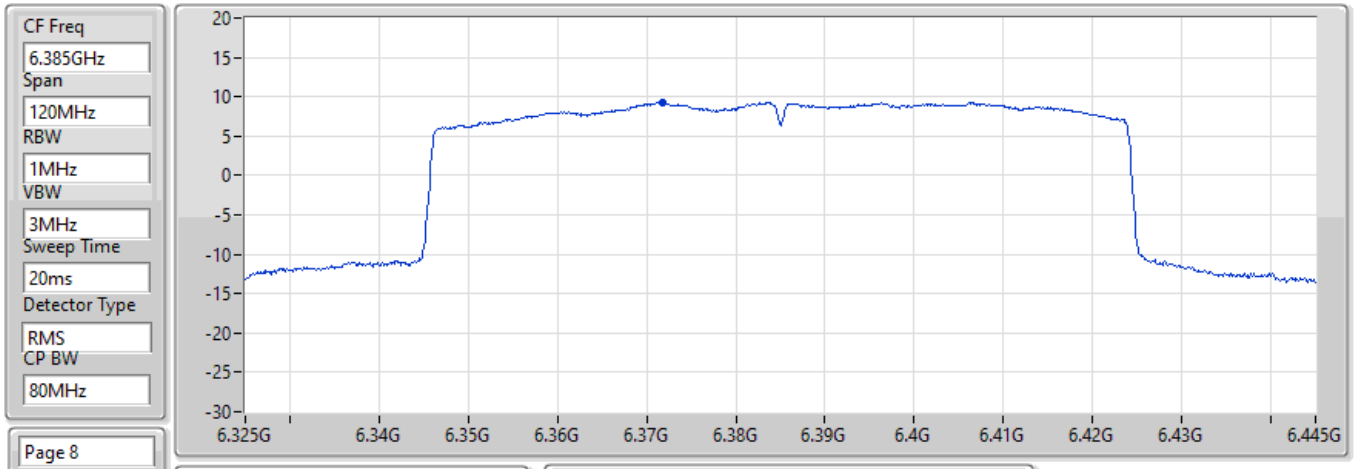


EIRP PSD (dBm)
10.33

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-9.83	10.85	6.61	33.53	57.93

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

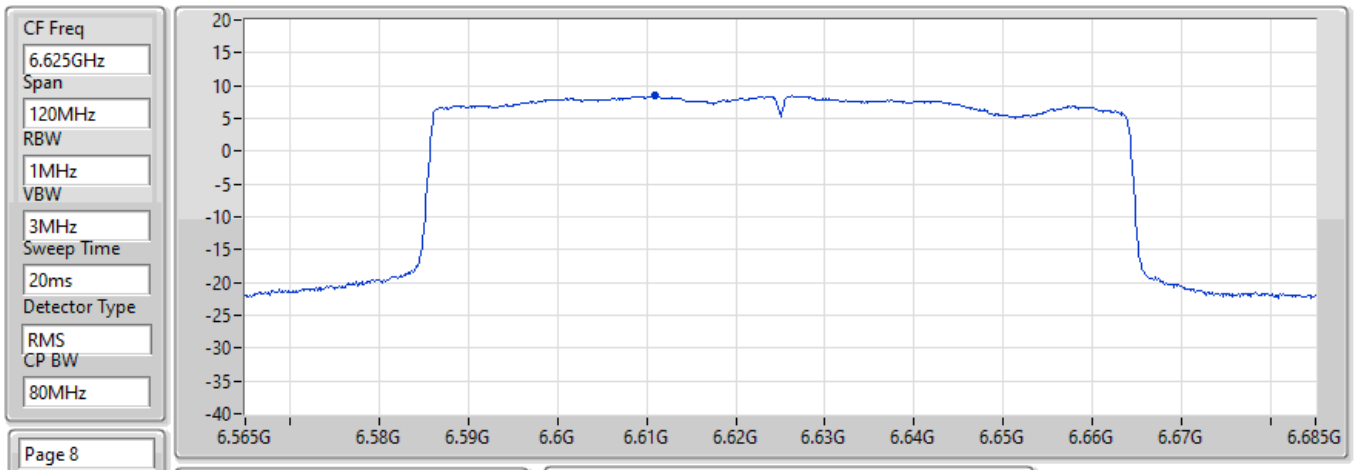


EIRP PSD (dBm)
9.34

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-10.74	11.16	6.63	33.52	58.13

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

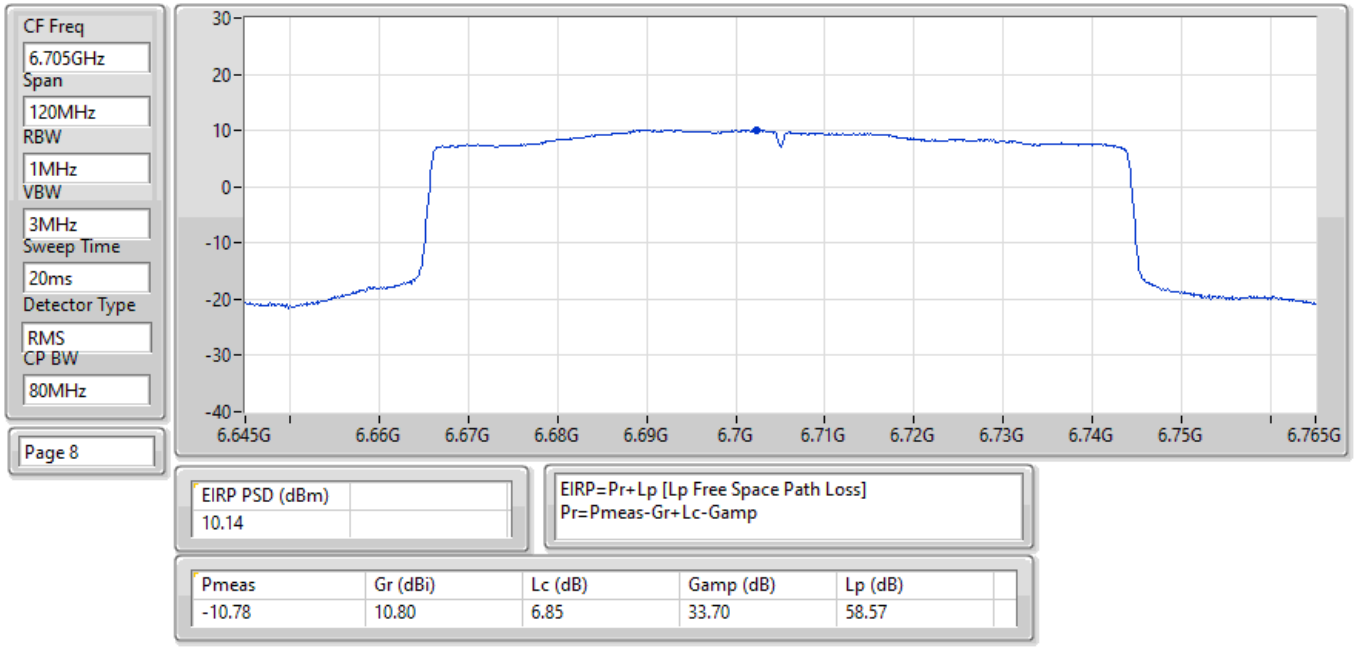


EIRP PSD (dBm)
8.49

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.36	10.82	6.84	33.62	58.45

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

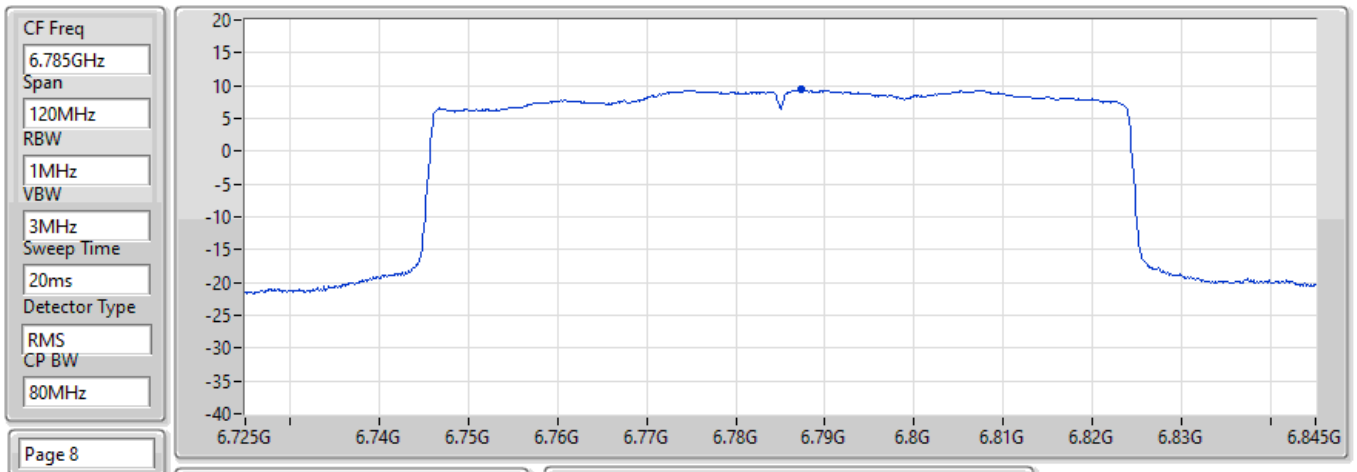


EIRP PSD (dBm)
10.14

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-10.78	10.80	6.85	33.70	58.57

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

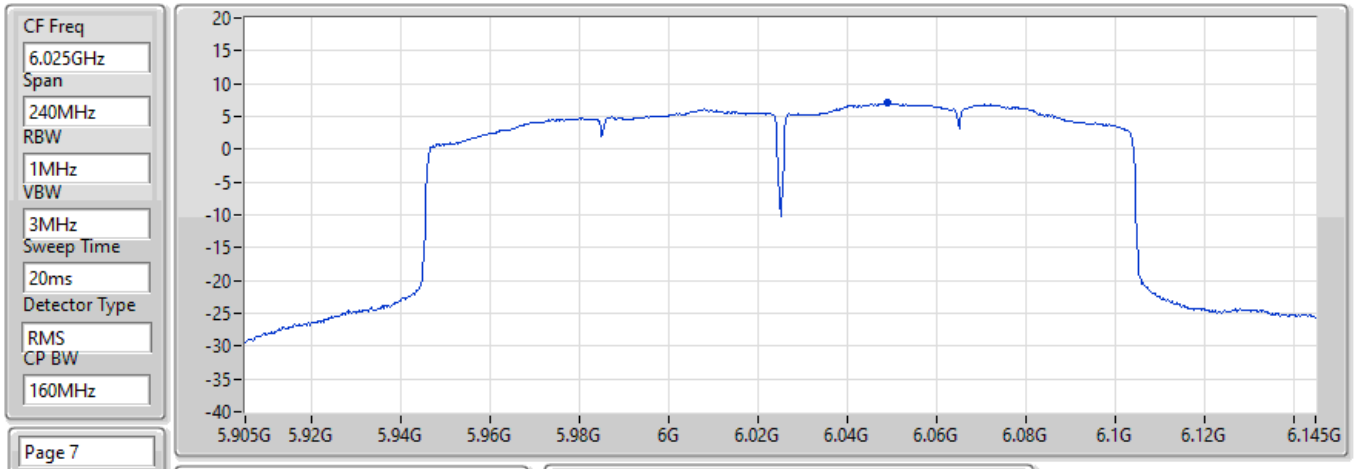


EIRP PSD (dBm)
9.38

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-11.68	10.70	6.86	33.78	58.68

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

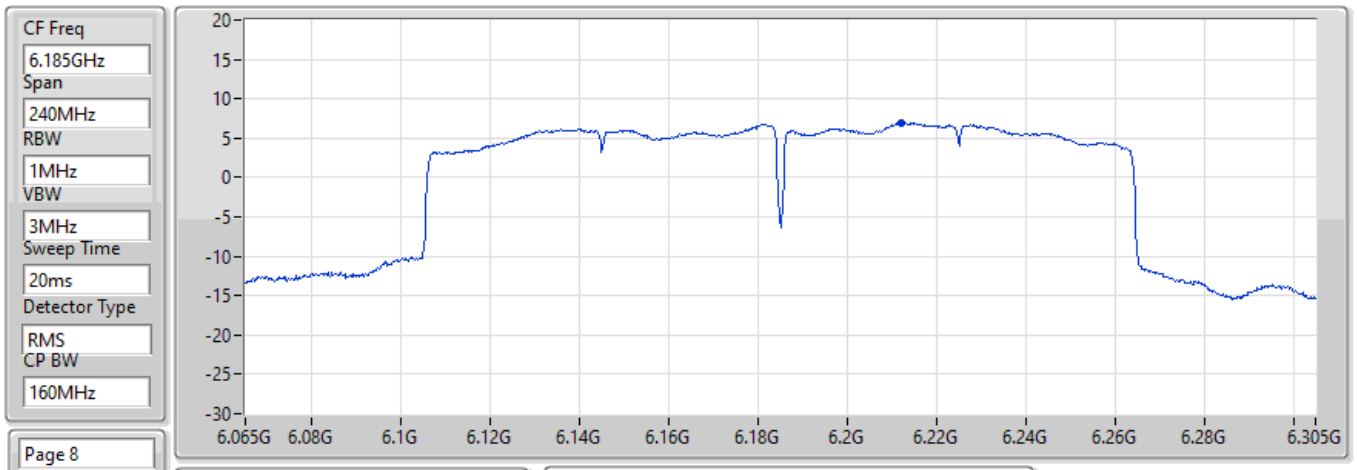


EIRP PSD (dBm)
7.01

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.68	10.90	6.44	33.53	57.68

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

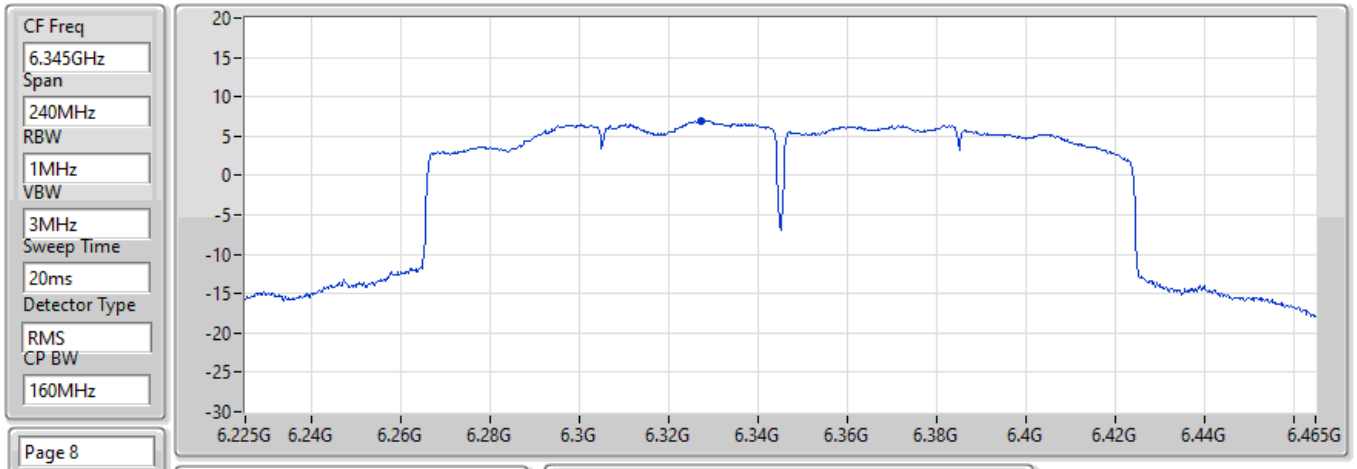


EIRP PSD (dBm)
6.96

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-13.21	10.82	6.61	33.53	57.91

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

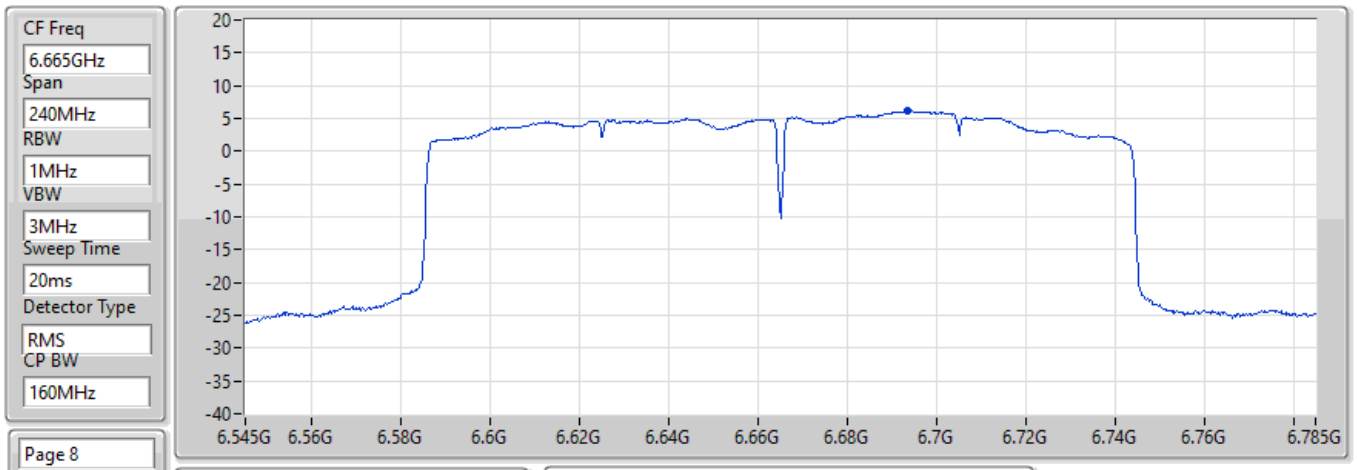


EIRP PSD (dBm)
7

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-13.02	11.15	6.62	33.52	58.07

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



EIRP PSD (dBm)
6.1

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-14.81	10.81	6.85	33.69	58.56

Summary

Mode	Radiated EIRP PD (dBm/RBW)
5.925-6.425GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	17.66
802.11ax HEW40_Nss1,(MCS0)_1TX	14.93
802.11ax HEW80_Nss1,(MCS0)_1TX	12.58
802.11ax HEW160_Nss1,(MCS0)_1TX	10.23
6.525-6.875GHz	-
802.11ax HEW20_Nss1,(MCS0)_1TX	16.29
802.11ax HEW40_Nss1,(MCS0)_1TX	14.02
802.11ax HEW80_Nss1,(MCS0)_1TX	10.23
802.11ax HEW160_Nss1,(MCS0)_1TX	7.70

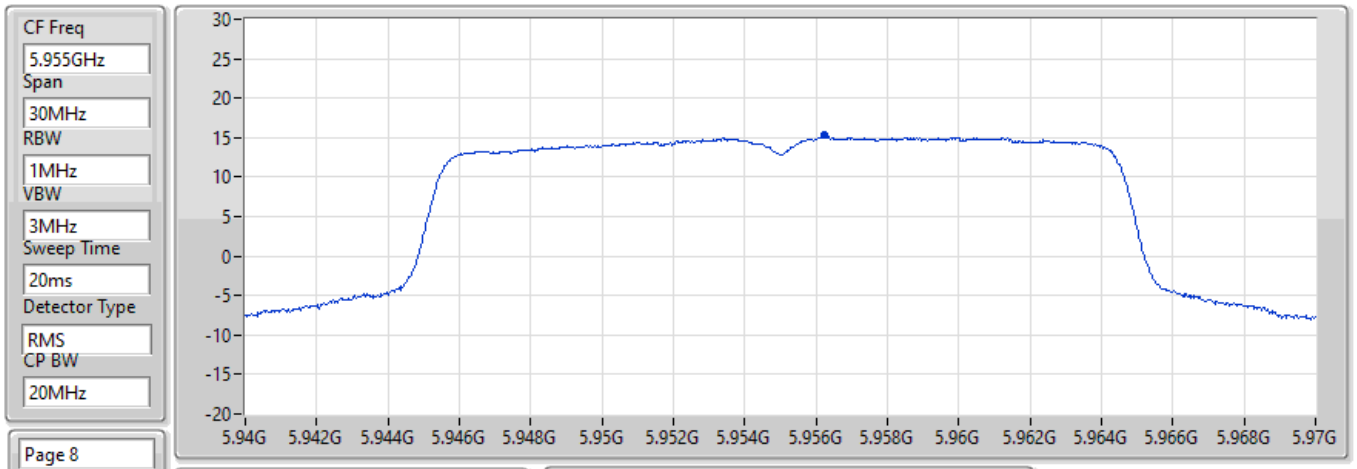
RBW = 500kHz for 5.725-5.85GHz band / 1MHz for other band;

Result

Mode	Result	Radiated EIRP PD (dBm/RBW)	Radiated EIRP PD Limit (dBm/RBW)
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-
5955MHz	Pass	15.35	23.00
6195MHz	Pass	17.66	23.00
6415MHz	Pass	17.53	23.00
6535MHz	Pass	16.06	23.00
6695MHz	Pass	16.03	23.00
6855MHz	Pass	16.29	23.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-
5965MHz	Pass	10.64	23.00
6205MHz	Pass	14.93	23.00
6405MHz	Pass	14.28	23.00
6565MHz	Pass	12.48	23.00
6685MHz	Pass	14.02	23.00
6845MHz	Pass	13.30	23.00
802.11ax HEW80_Nss1,(MCS0)_1TX	-	-	-
5985MHz	Pass	7.97	23.00
6225MHz	Pass	12.58	23.00
6385MHz	Pass	9.84	23.00
6625MHz	Pass	10.23	23.00
6705MHz	Pass	9.74	23.00
6785MHz	Pass	9.02	23.00
802.11ax HEW160_Nss1,(MCS0)_1TX	-	-	-
6025MHz	Pass	6.89	23.00
6185MHz	Pass	10.23	23.00
6345MHz	Pass	7.77	23.00
6665MHz	Pass	7.70	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

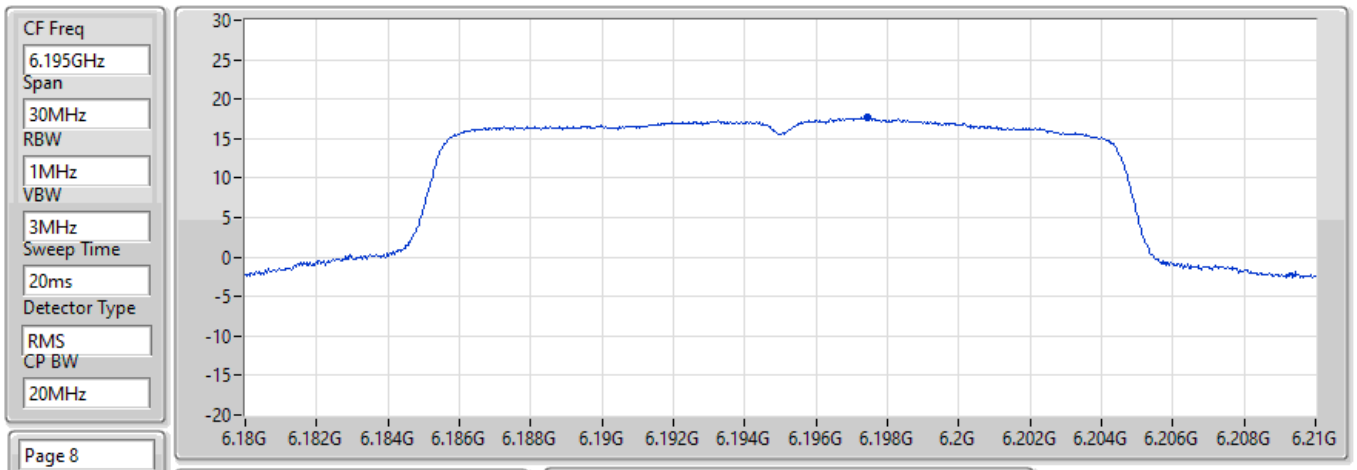


EIRP PSD (dBm)
15.35

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.30	10.71	6.34	33.52	57.54

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

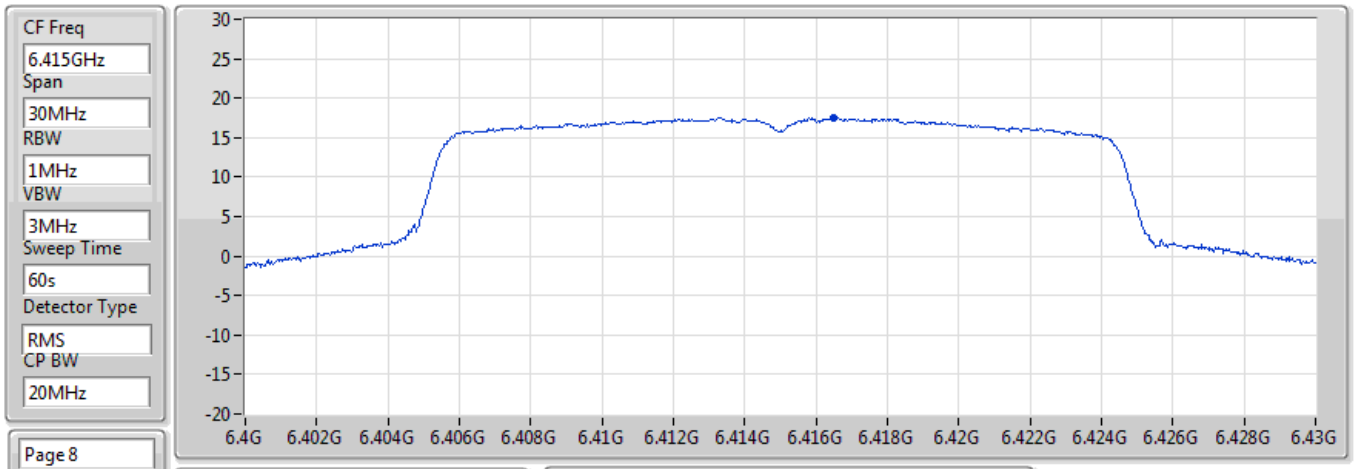


EIRP PSD (dBm)
17.66

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-2.50	10.81	6.61	33.53	57.89

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

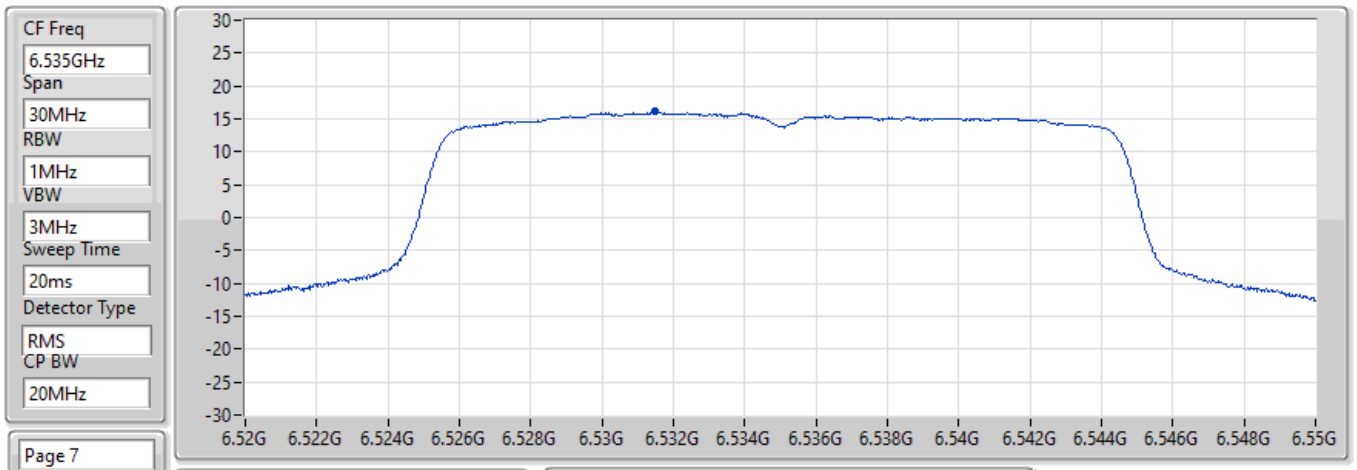


EIRP PSD (dBm)
17.53

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-2.69	11.10	6.65	33.52	58.19

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

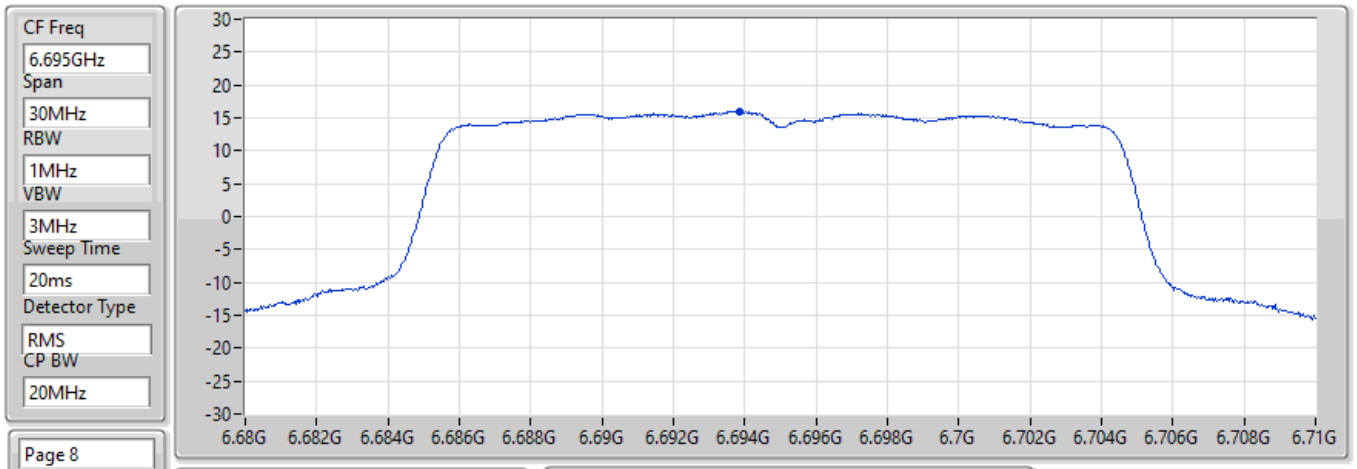


EIRP PSD (dBm)
16.06

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.43	11.07	6.77	33.55	58.34

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

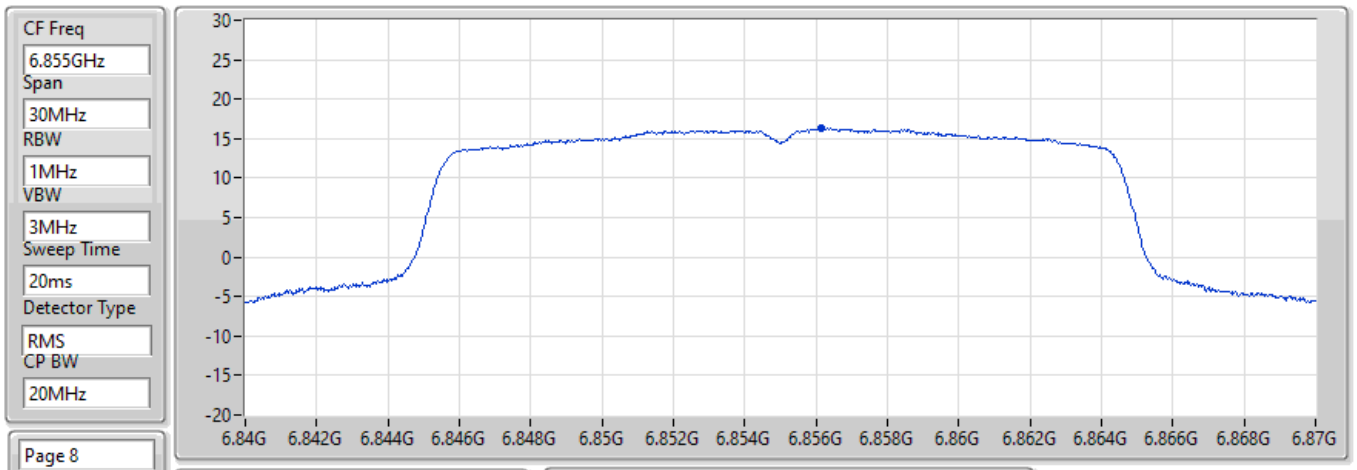


EIRP PSD (dBm)
16.03

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.88	10.81	6.85	33.69	58.56

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

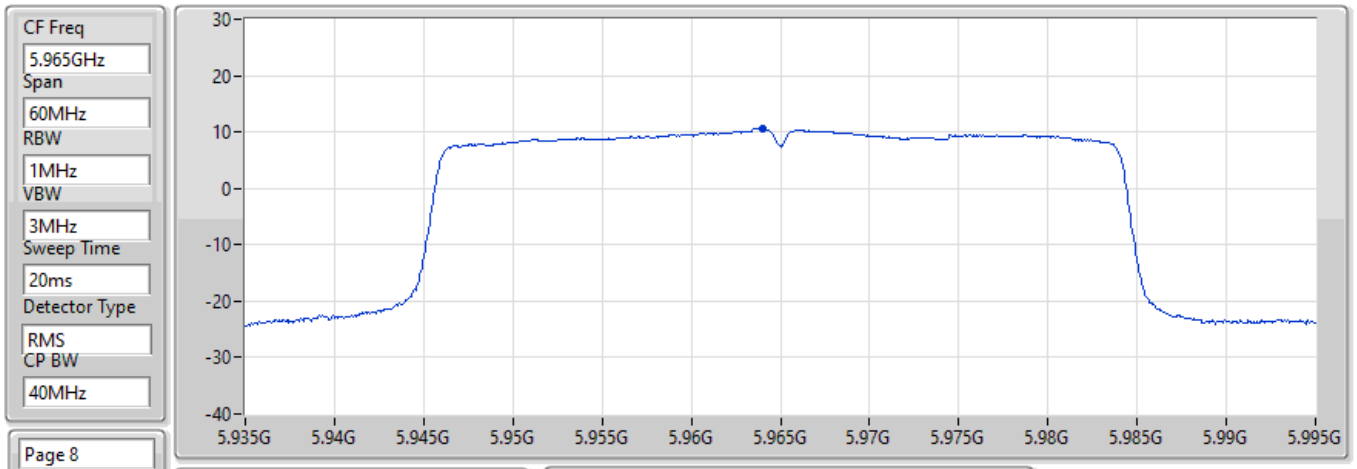


EIRP PSD (dBm)
16.29

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-4.82	10.71	6.90	33.84	58.76

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

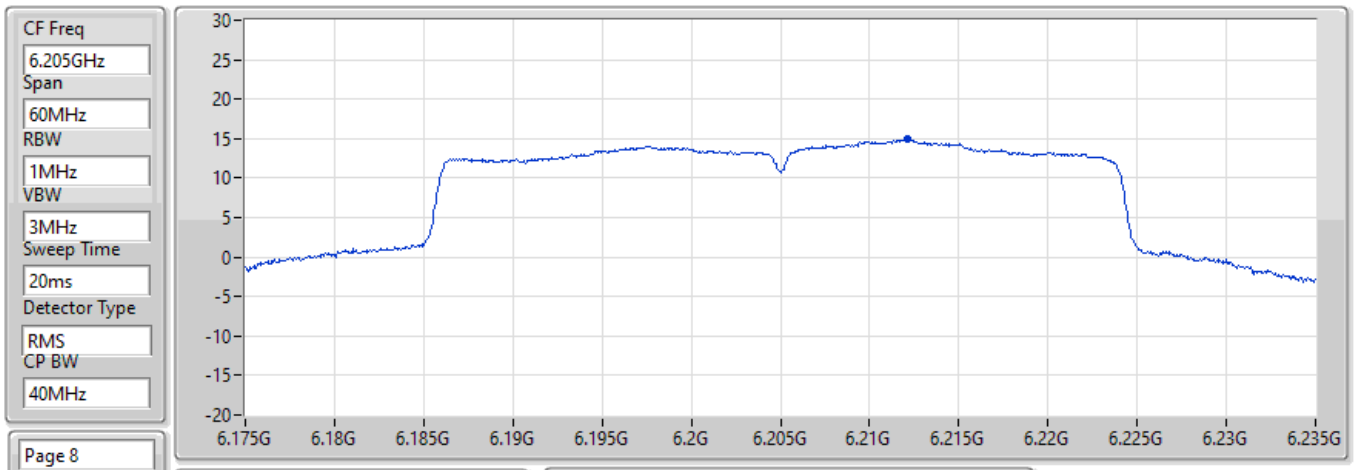


EIRP PSD (dBm)
10.64

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-9.01	10.73	6.35	33.52	57.55

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

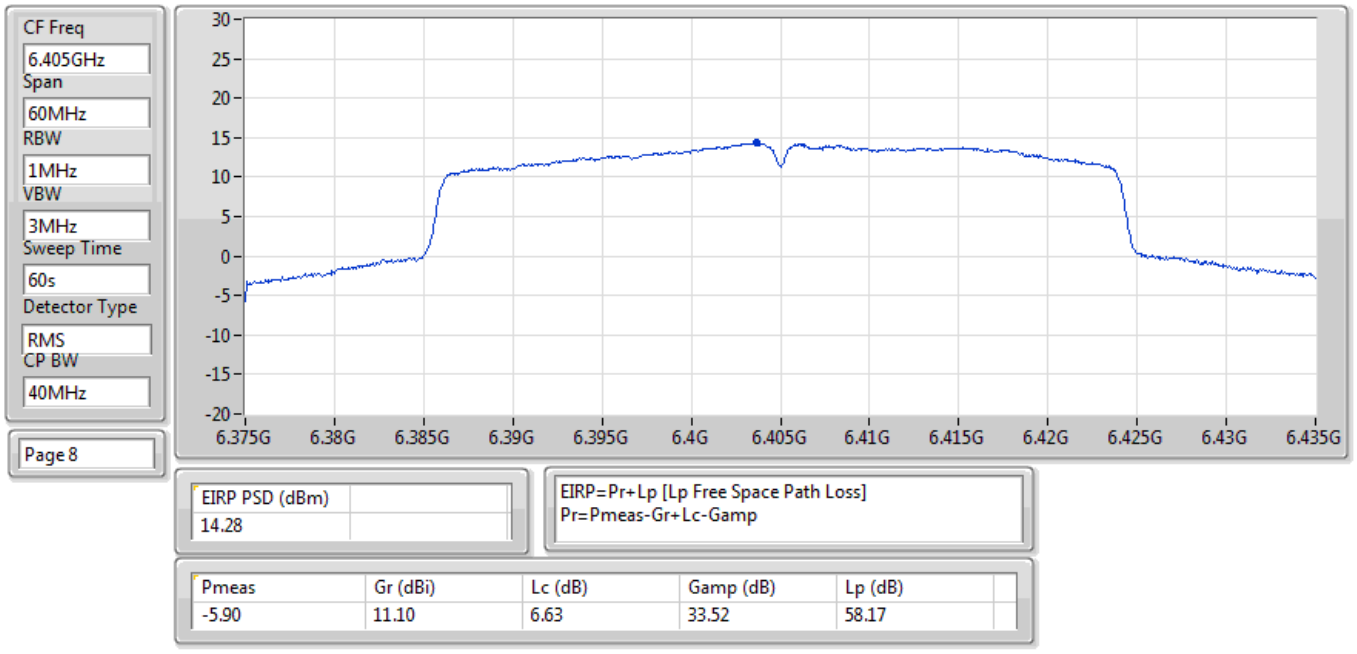


EIRP PSD (dBm)
14.93

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-5.24	10.82	6.61	33.53	57.91

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

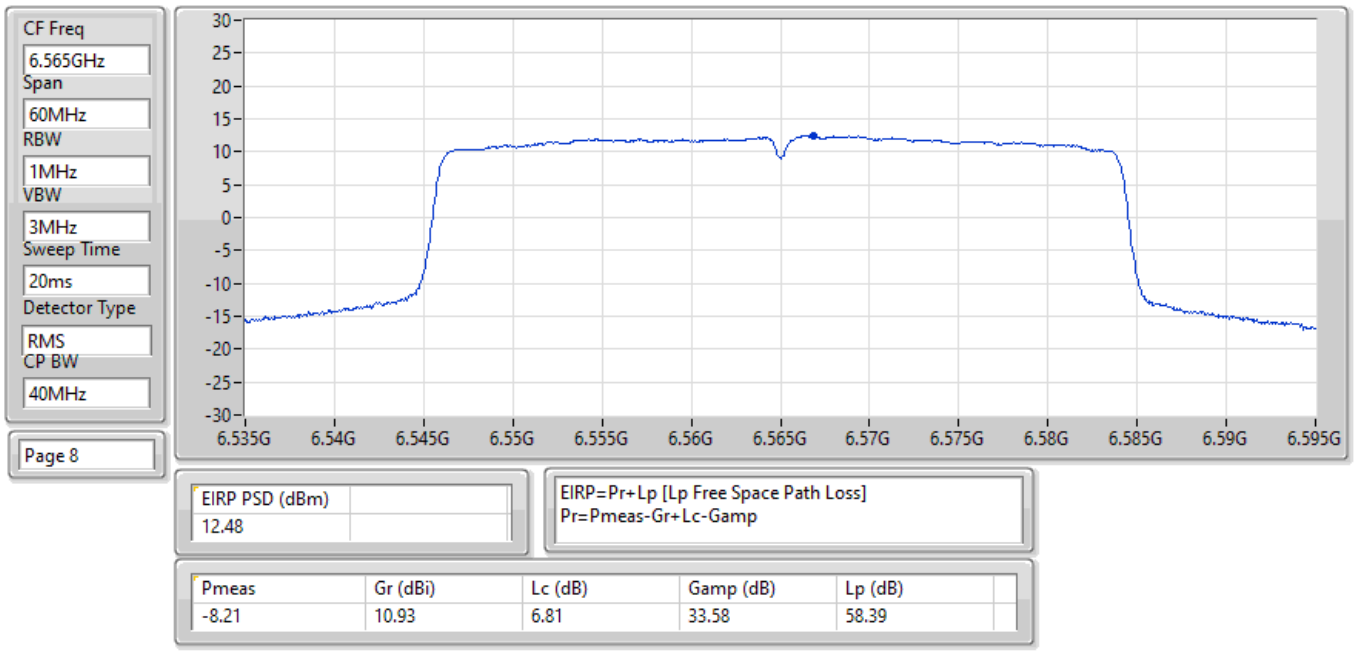


EIRP PSD (dBm)
14.28

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-5.90	11.10	6.63	33.52	58.17

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

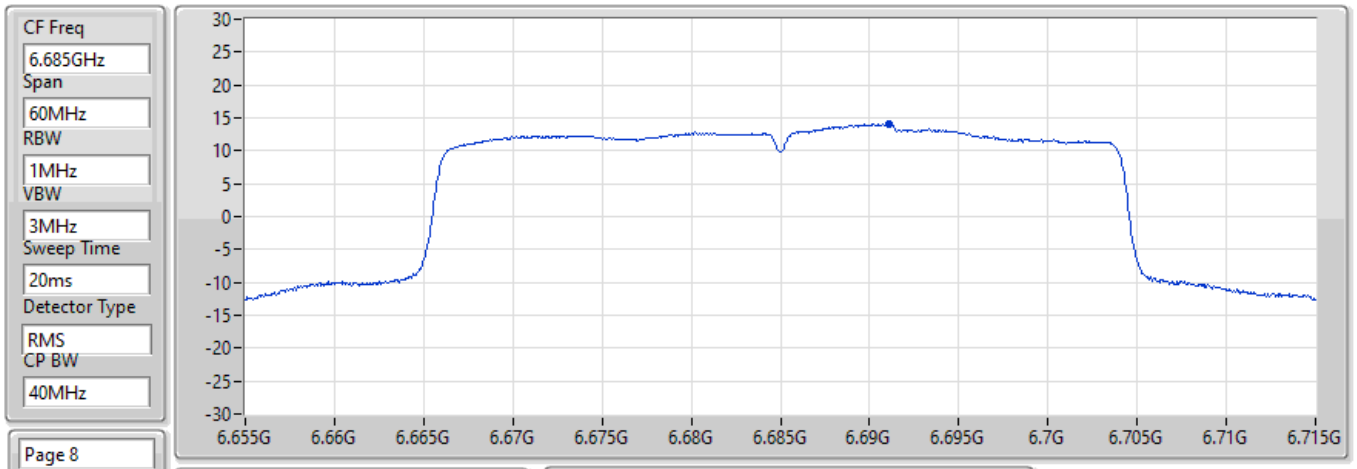


EIRP PSD (dBm)
12.48

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-8.21	10.93	6.81	33.58	58.39

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

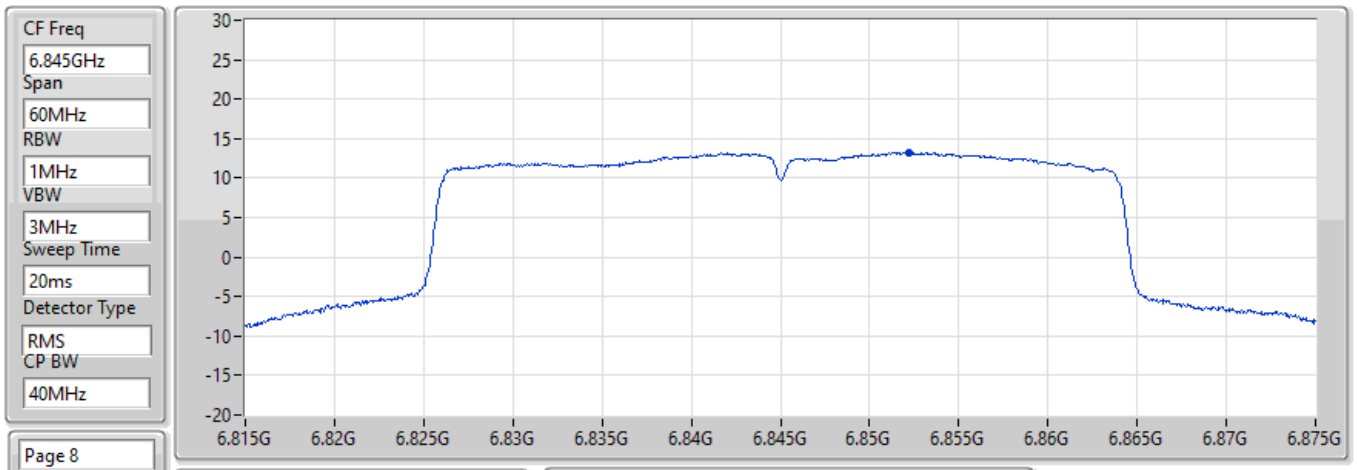


EIRP PSD (dBm)
14.02

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-6.87	10.82	6.85	33.69	58.55

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

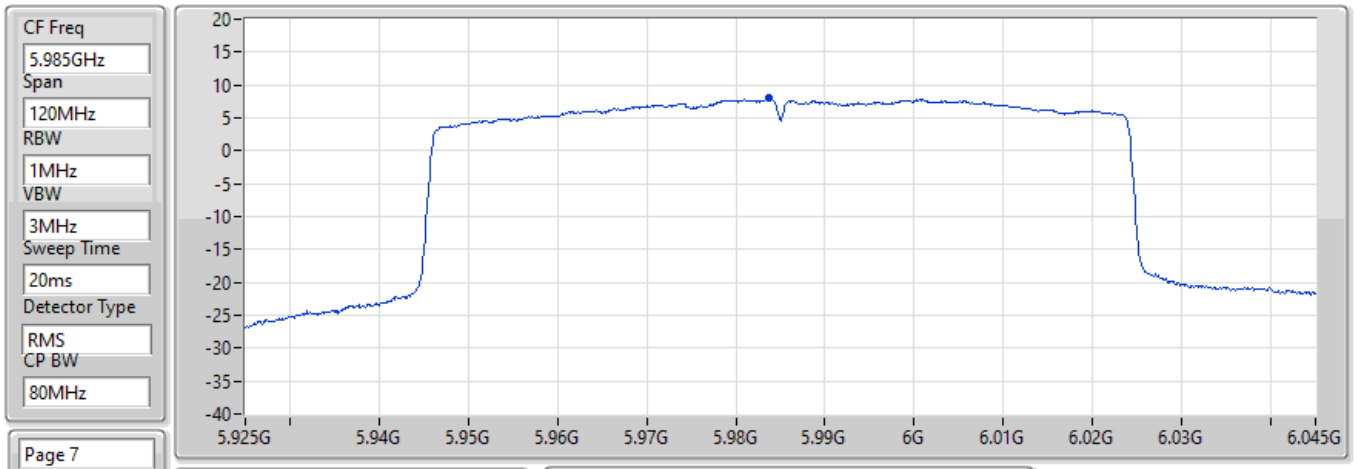


EIRP PSD (dBm)
13.3

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-7.82	10.70	6.90	33.84	58.76

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

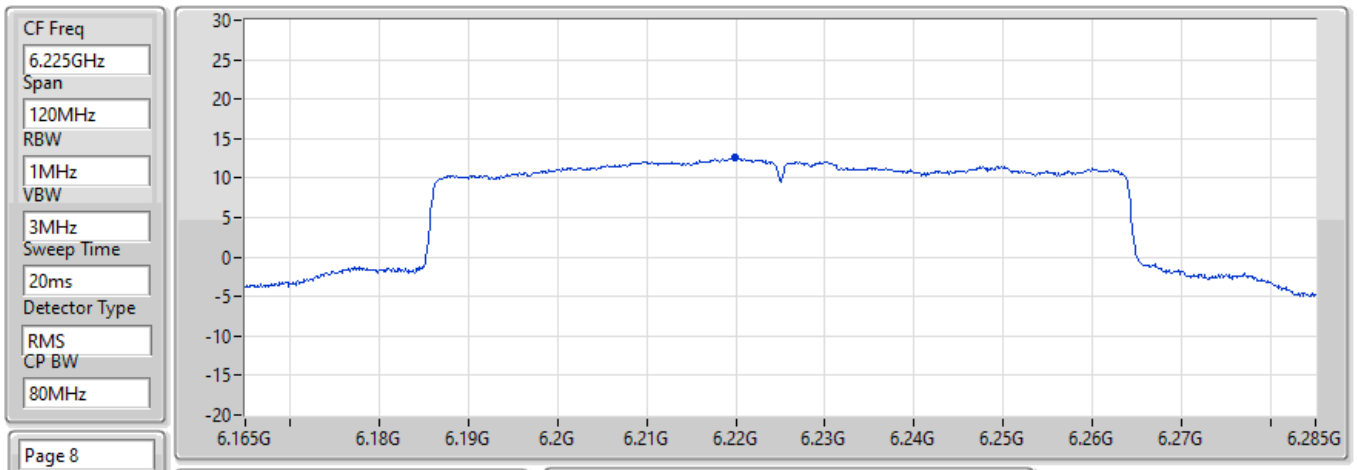


EIRP PSD (dBm)
7.97

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-11.68	10.77	6.37	33.53	57.58

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

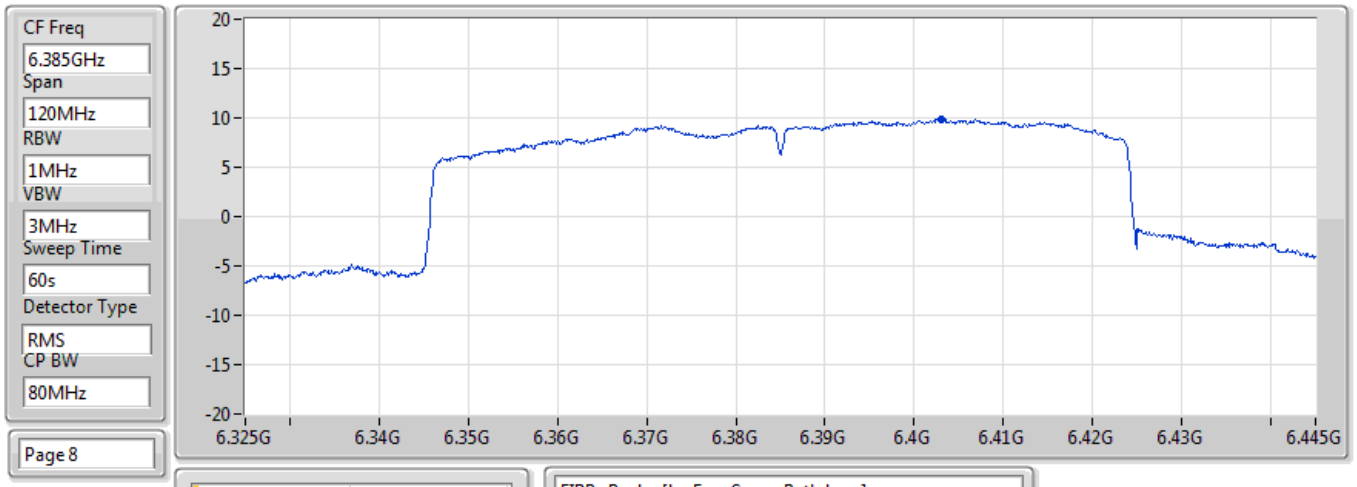


EIRP PSD (dBm)
12.58

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-7.58	10.84	6.61	33.53	57.92

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

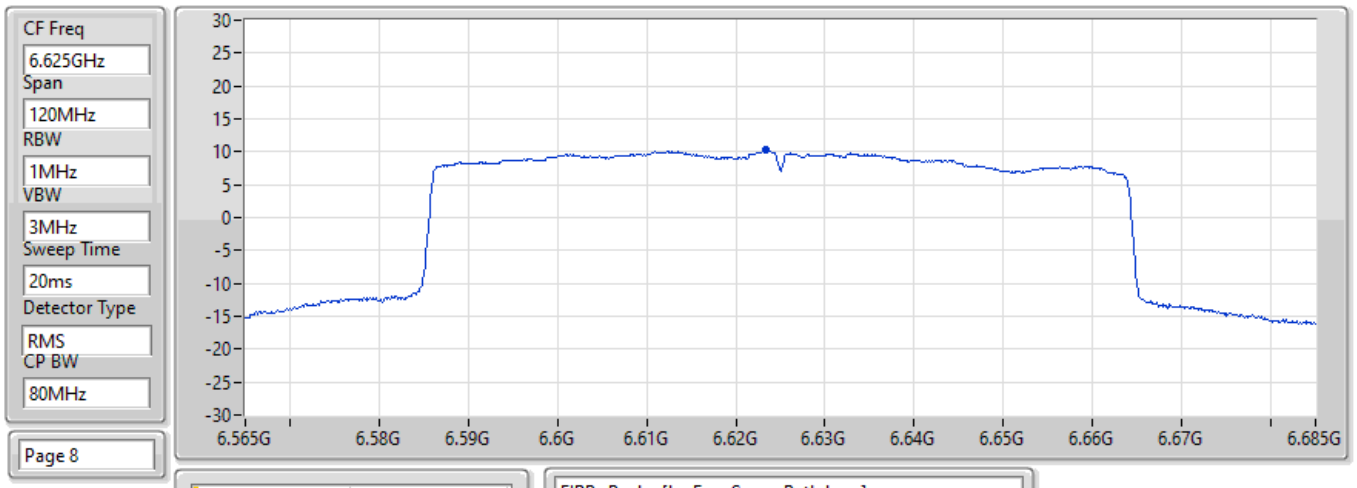


EIRP PSD (dBm)
9.84

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-10.34	11.10	6.63	33.52	58.17

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

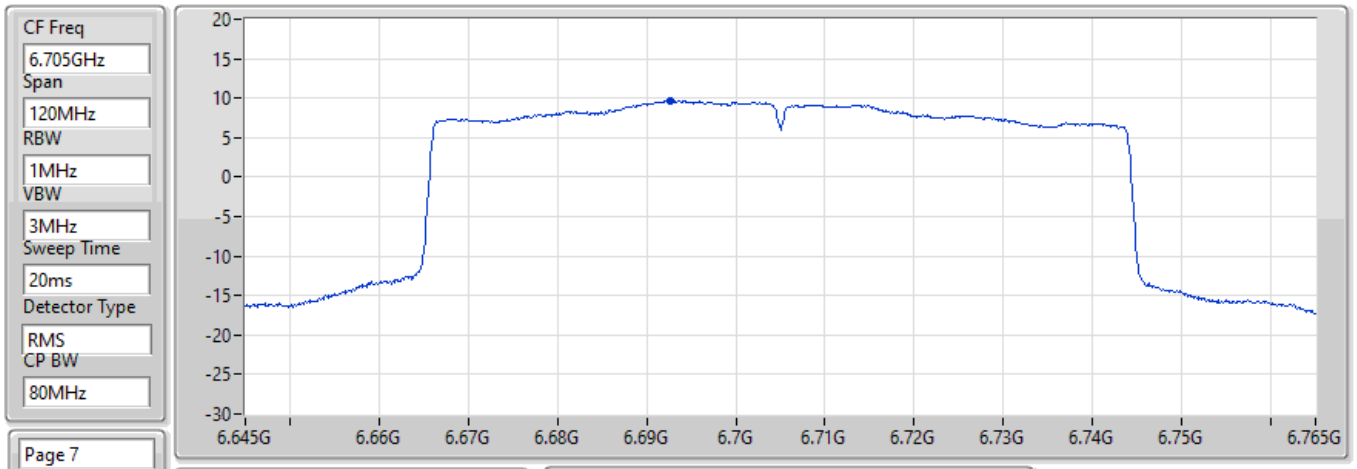


EIRP PSD (dBm)
10.23

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-10.59	10.85	6.84	33.63	58.46

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

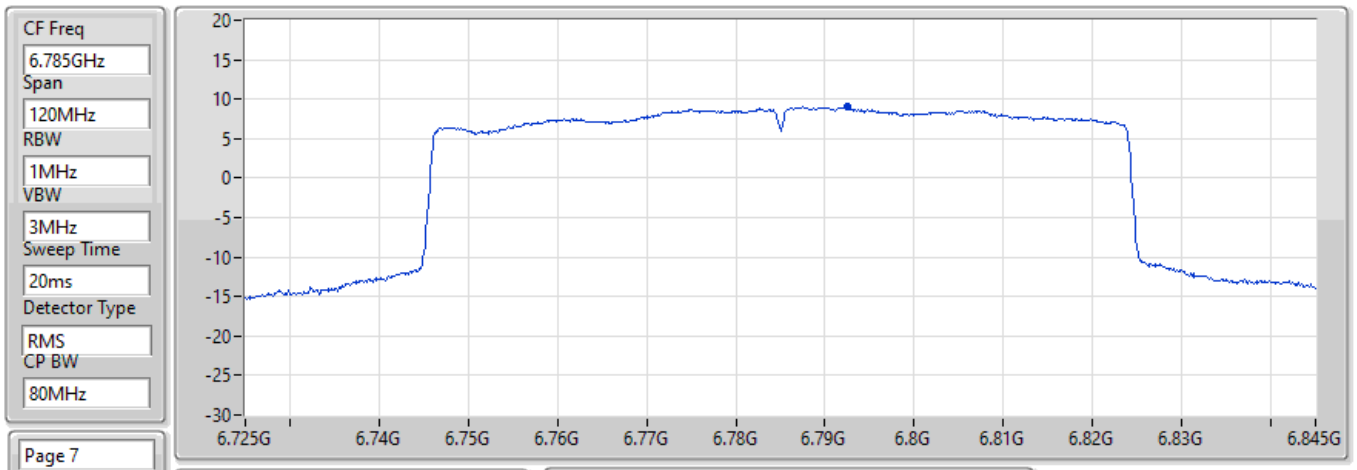


EIRP PSD (dBm)
9.74

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-11.16	10.81	6.85	33.69	58.55

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

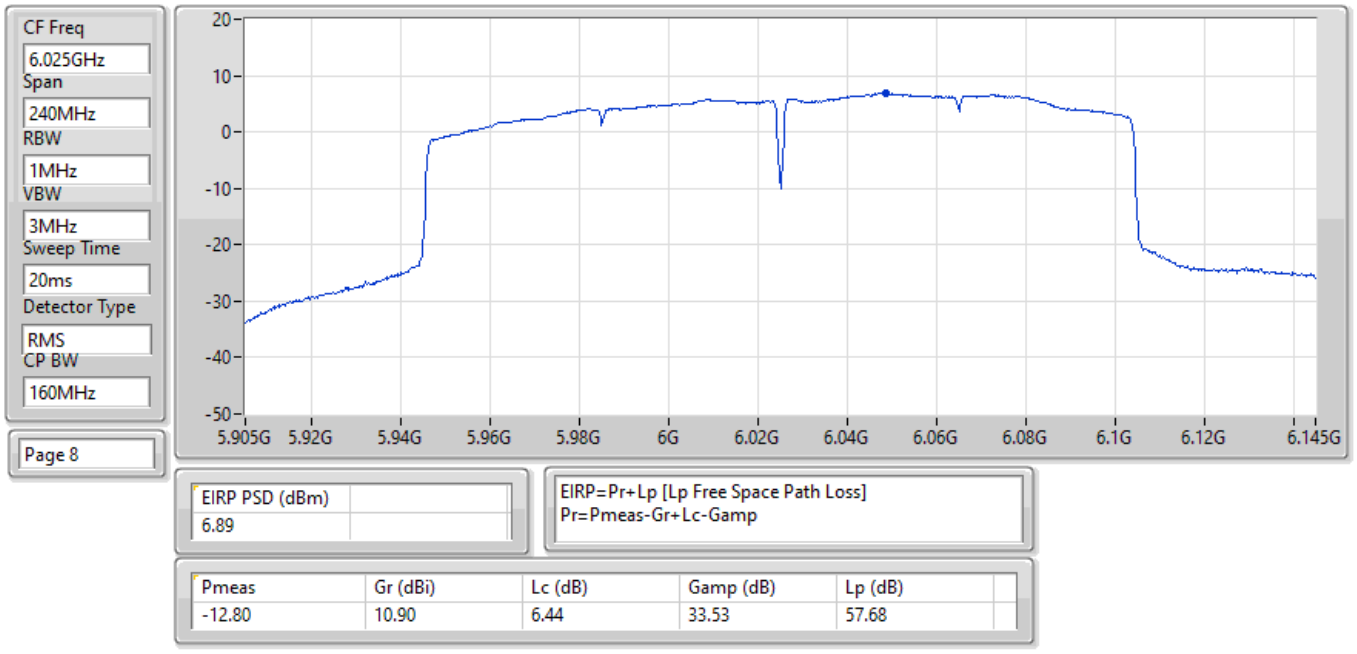


EIRP PSD (dBm)
9.02

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.04	10.70	6.86	33.78	58.68

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

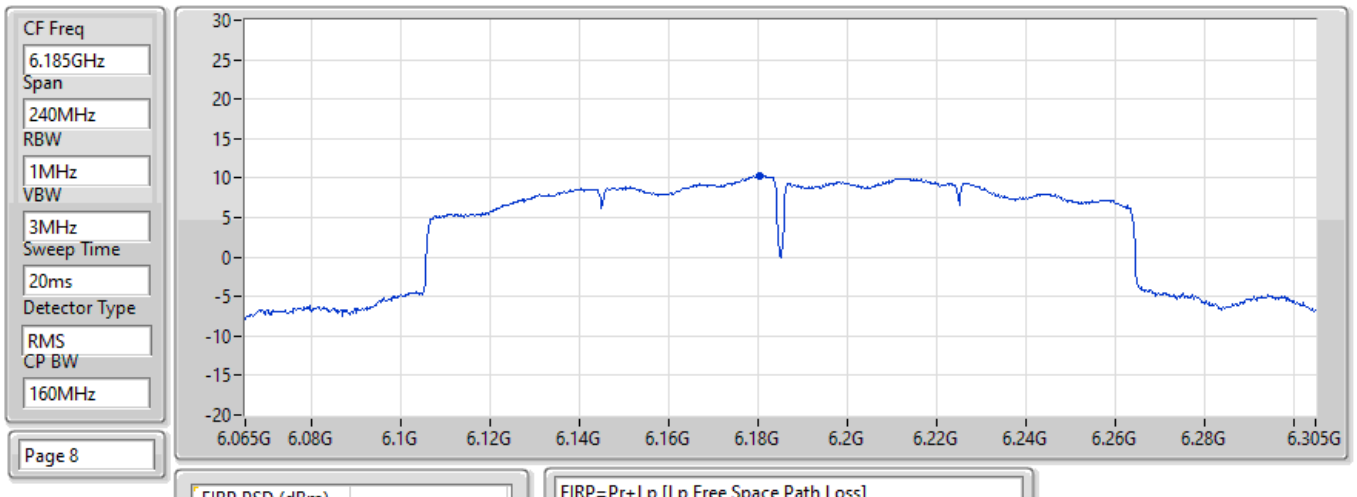


EIRP PSD (dBm)
6.89

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-12.80	10.90	6.44	33.53	57.68

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



EIRP PSD (dBm)
10.23

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

Pmeas	Gr (dBi)	Lc (dB)	Gamp (dB)	Lp (dB)
-9.85	10.84	6.59	33.53	57.86