

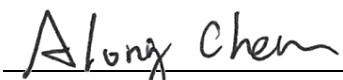
FCC Test Report

FCC ID : SQG-SONAIF513
Equipment : Sona IF513 802.11ax Wi-Fi 6E Module with Bluetooth 5.4
Model No. : Sona IF513
Brand Name : Ezurio
Applicant : Ezurio LLC
Address : W66N220 Commerce Court, Cedarburg, WI 53012 United States Of America
Standard : 47 CFR FCC Part 15.407
Equipment Class / Type : ☐ 6ID: Indoor access point
☐ 6PP: Subordinate device
☒ 6XD: Client device
Received Date : Jun. 06, 2024
Tested Date : Oct. 04 ~ Oct. 25, 2024

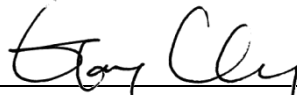
We, International Certification Corporation, would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:

Approved by:



Along Chen / Assistant Manager



Gary Chang / Manager

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Release Record

Report No.	Version	Description	Issued Date
FR460601-1AO	Rev. 01	Initial issue	Nov. 25, 2024

Summary of Test Results

FCC Rules	Test Items	Measured	Result
15.207	AC Power Line Conducted Emissions	[dBuV]: 0.150MHz 44.84 (Margin -21.16dB) – QP	Pass
15.407(b)(5) 15.209	Unwanted Emission	[dBuV/m at 3m]: 350.1MHz 42.51 (Margin -3.49dB) - QP	Pass
15.407(b)(6)	In-Band Emissions (Mask)	Meet the requirement of limit	Pass
15.407(a)(10)	Emission Bandwidth	Meet the requirement of limit	Pass
15.407(a)(5)	RF Output Power (e.i.r.p)	Max Power [dBm]: 5925-6425MHz: 8.19 6425-6525MHz: 8.17 6525-6875MHz: 8.18 6875-7125MHz: 8.18	Pass
15.407(a)(5)	Power Spectral Density (e.i.r.p)	Meet the requirement of limit	Pass
15.407(d)(6)	Contention Based Protocol	Meet the requirement of limit	Pass
15.407(g)	Frequency Stability	Meet the requirement of limit	Pass
15.203	Antenna Requirement	Meet the requirement of limit	Pass

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

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

1 General Description

1.1 Information

1.1.1 Product Details

The four configurations of the EUT are shown on the following:

Model Name	Part No.	Description
Sona IF513	453-00184	Module, Sona IF513, MHF4L
	453-00185	Module, Sona IF513, Trace Pin
	453-00193	Module, Sona IF513, Antenna Diversity, MHF4L
	453-00194	Module, Sona IF513, Antenna Diversity, Trace Pin
	453-00186	Module, Sona IF513, M.2, Key E, SDIO, UART
	453-00195	Module, Sona IF513, Antenna Diversity, M.2, Key E, SDIO, UART
	453-00213	Module, Sona IF513, M.2, Key E, SDIO, UART, Ext. OSC
	453-00214	Module, Sona IF513, Antenna Diversity, M.2, Key E, SDIO, UART, Ext. OSC

1.1.2 Specification of the Equipment under Test (EUT)

RF General Information					
Frequency Range (MHz)	IEEE Std. 802.11	Ch. Freq. (MHz)	Channel Number	Transmit Chains (N _{TX})	Data Rate / MCS
5925 ~ 7125	11a	5955 ~ 7115	1 ~ 233 [59]	1	6-54 Mbps
5925 ~ 7125	ax (HE20)	5955 ~ 7115	1 ~ 233 [59]	1	MCS 0-11
Note 1: OFDM/OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM and 1024QAM modulation.					
Note 2: 802.11ax supports full RU and partial RU configuration. Test results of partial RU configuration are recorded in this report. Refers to report no.: FR460601AO for test results of full RU configuration.					

1.1.3 Antenna Details

Ant. No.	Manufacturer	Model	Part Number	Type	Connector	Operating Frequencies / Gain (dBi)		
						2.4GHz	5GHz	6GHz
1	Joymax Inc.	TWX-100BRS3B	NA	Dipole	RP-SMA	2.6	4.3	4
2	Ezurio	FlexMIMO 6E	EFD2471A3 S-10MH4L	PIFA	MHF4L	2.2	3.8	3.3
3	Ezurio	Mini NanoBlade Flex 6 GHz	EMF2471A 3S-10MH4L	PCB Dipole	MHF4L	2.4	4.4	5.2
4	Ezurio	FlexPIFA 6E	EFB2471A3 S-10MH4L	PIFA	MHF4L	2.2	3.9	3.8

1.1.4 Configuration of Equipment under Test (EUT)

Power Supply Type	3.3Vdc from host	
Beamforming	☐ Support	☒ Not support
RU Configuration	☐ Full RU	☒ Partial RU
Channel Puncturing	☐ Support	☒ Not support

1.1.5 Channel List

802.11a / ax HE20							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
---	---	57	6235	117	6535	177	6835
1	5955	61	6255	121	6555	181	6855
5	5975	65	6275	125	6575	185	6875
9	5995	69	6295	129	6595	189	6895
13	6015	73	6315	133	6615	193	6915
17	6035	77	6335	137	6635	197	6935
21	6055	81	6355	141	6655	201	6955
25	6075	85	6375	145	6675	205	6975
29	6095	89	6395	149	6695	209	6995
33	6115	93	6415	153	6715	213	7015
37	6135	97	6435	157	6735	217	7035
41	6155	101	6455	161	6755	221	7055
45	6175	105	6475	165	6775	225	7075
49	6195	109	6495	169	6795	229	7095
53	6215	113	6515	173	6815	233	7115

1.1.6 Test Tool and Duty Cycle

Test Tool	Tera Term, Version: v4.74		
Duty Cycle and Duty Factor	Mode	Duty Cycle (%)	Duty Factor (dB)
	ax HE20 RU26	99.30%	0.03
	ax HE20 RU52	98.78%	0.05
	ax HE20 RU106	99.30%	0.03

1.1.7 Power Index of Test Tool

Part No. 453-00184

Modulation Mode	Test Frequency (MHz)	Power Index
ax HE20 RU26	5955	-18
ax HE20 RU26	6175	-18
ax HE20 RU26	6415	-16
ax HE20 RU26	6435	-18
ax HE20 RU26	6475	-18
ax HE20 RU26	6515	-18
ax HE20 RU26	6535	-18
ax HE20 RU26	6715	-15
ax HE20 RU26	6855	-13
ax HE20 RU26	6875	-13
ax HE20 RU26	6895	-12
ax HE20 RU26	7015	-10
ax HE20 RU26	7095	-10
ax HE20 RU26	7115	-10
ax HE20 RU52	5955	-6
ax HE20 RU52	6175	-6
ax HE20 RU52	6415	-5
ax HE20 RU52	6435	-5
ax HE20 RU52	6475	-4
ax HE20 RU52	6515	-3
ax HE20 RU52	6535	-3
ax HE20 RU52	6715	-2
ax HE20 RU52	6855	-1
ax HE20 RU52	6875	0
ax HE20 RU52	6895	1
ax HE20 RU52	7015	2
ax HE20 RU52	7095	2
ax HE20 RU52	7115	1
ax HE20 RU106	5955	7
ax HE20 RU106	6175	7
ax HE20 RU106	6415	8
ax HE20 RU106	6435	8
ax HE20 RU106	6475	8

ax HE20 RU106	6515	9
ax HE20 RU106	6535	9
ax HE20 RU106	6715	10
ax HE20 RU106	6855	11
ax HE20 RU106	6875	11
ax HE20 RU106	6895	12
ax HE20 RU106	7015	13
ax HE20 RU106	7095	13
ax HE20 RU106	7115	13

Part No. 453-00193

Modulation Mode	Test Frequency (MHz)	Power Index
ax HE20 RU26	5955	-16
ax HE20 RU26	6175	-14
ax HE20 RU26	6415	-13
ax HE20 RU26	6435	-16
ax HE20 RU26	6475	-16
ax HE20 RU26	6515	-16
ax HE20 RU26	6535	-17
ax HE20 RU26	6715	-17
ax HE20 RU26	6855	-17
ax HE20 RU26	6875	-16
ax HE20 RU26	6895	-16
ax HE20 RU26	7015	-14
ax HE20 RU26	7095	-14
ax HE20 RU26	7115	-13
ax HE20 RU52	5955	-1
ax HE20 RU52	6175	-1
ax HE20 RU52	6415	-3
ax HE20 RU52	6435	-2
ax HE20 RU52	6475	-4
ax HE20 RU52	6515	-4
ax HE20 RU52	6535	-2
ax HE20 RU52	6715	-3
ax HE20 RU52	6855	-3
ax HE20 RU52	6875	-4
ax HE20 RU52	6895	-3

ax HE20 RU52	7015	-2
ax HE20 RU52	7095	-1
ax HE20 RU52	7115	0
ax HE20 RU106	5955	10
ax HE20 RU106	6175	11
ax HE20 RU106	6415	9
ax HE20 RU106	6435	9
ax HE20 RU106	6475	10
ax HE20 RU106	6515	9
ax HE20 RU106	6535	9
ax HE20 RU106	6715	7
ax HE20 RU106	6855	7
ax HE20 RU106	6875	9
ax HE20 RU106	6895	9
ax HE20 RU106	7015	9
ax HE20 RU106	7095	10
ax HE20 RU106	7115	10

Part No. 453-00213

Modulation Mode	Test Frequency (MHz)	Power Index
ax HE20 RU26	5955	-17
ax HE20 RU26	6175	-16
ax HE20 RU26	6415	-16
ax HE20 RU26	6435	-17
ax HE20 RU26	6475	-18
ax HE20 RU26	6515	-18
ax HE20 RU26	6535	-19
ax HE20 RU26	6715	-18
ax HE20 RU26	6855	-17
ax HE20 RU26	6875	-18
ax HE20 RU26	6895	-18
ax HE20 RU26	7015	-17
ax HE20 RU26	7095	-16
ax HE20 RU26	7115	-16
ax HE20 RU52	5955	-3
ax HE20 RU52	6175	-3
ax HE20 RU52	6415	-4

ax HE20 RU52	6435	-3
ax HE20 RU52	6475	-4
ax HE20 RU52	6515	-3
ax HE20 RU52	6535	-3
ax HE20 RU52	6715	-4
ax HE20 RU52	6855	-5
ax HE20 RU52	6875	-5
ax HE20 RU52	6895	-4
ax HE20 RU52	7015	-5
ax HE20 RU52	7095	-4
ax HE20 RU52	7115	-2
ax HE20 RU106	5955	7
ax HE20 RU106	6175	8
ax HE20 RU106	6415	8
ax HE20 RU106	6435	8
ax HE20 RU106	6475	9
ax HE20 RU106	6515	9
ax HE20 RU106	6535	7
ax HE20 RU106	6715	6
ax HE20 RU106	6855	6
ax HE20 RU106	6875	8
ax HE20 RU106	6895	7
ax HE20 RU106	7015	7
ax HE20 RU106	7095	8
ax HE20 RU106	7115	8

Part No. 453-00214

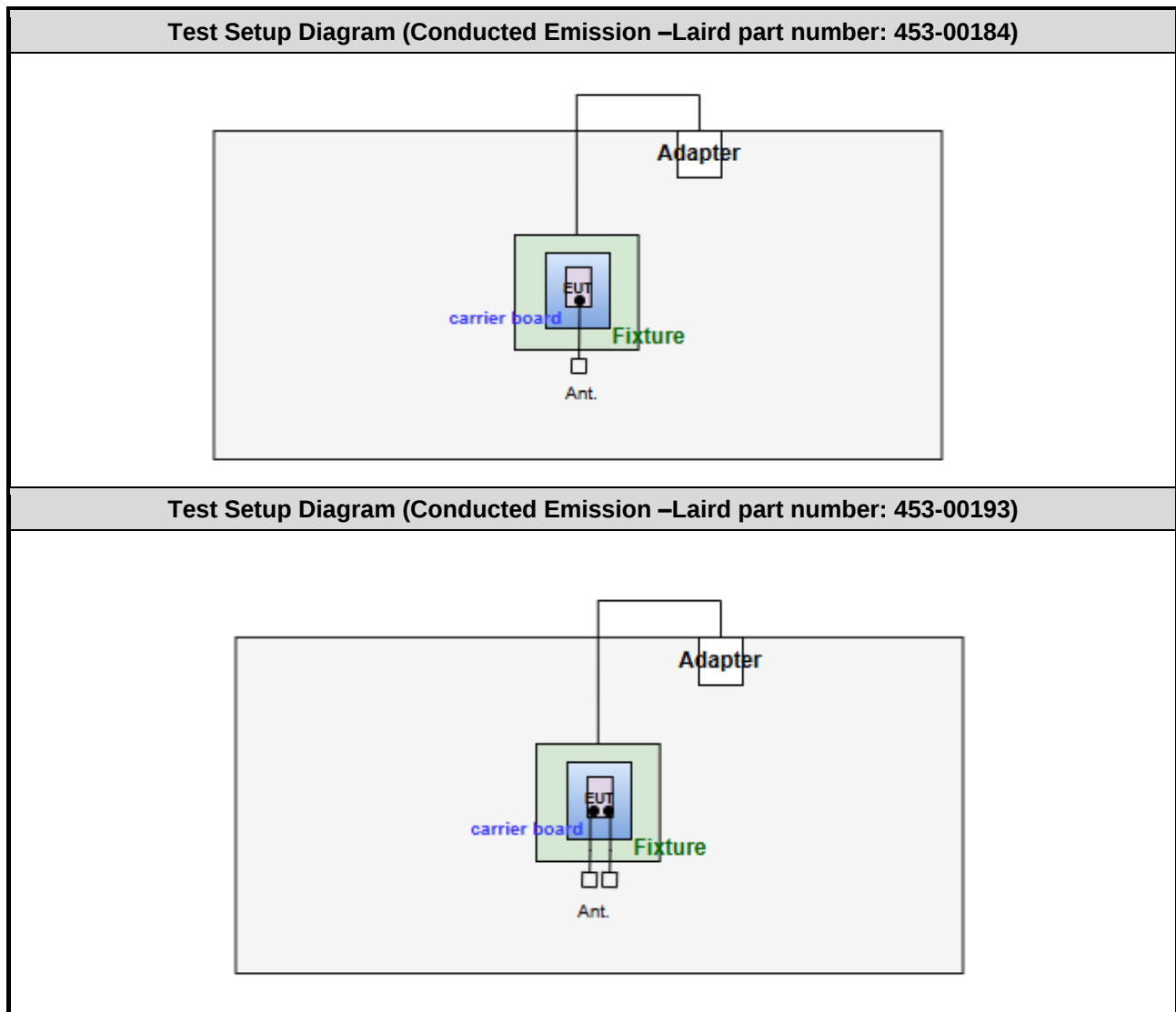
Modulation Mode	Test Frequency (MHz)	Power Index
ax HE20 RU26	5955	-14
ax HE20 RU26	6175	-13
ax HE20 RU26	6415	-12
ax HE20 RU26	6435	-13
ax HE20 RU26	6475	-12
ax HE20 RU26	6515	-13
ax HE20 RU26	6535	-13
ax HE20 RU26	6715	-13
ax HE20 RU26	6855	-12

ax HE20 RU26	6875	-12
ax HE20 RU26	6895	-12
ax HE20 RU26	7015	-11
ax HE20 RU26	7095	-11
ax HE20 RU26	7115	-11
ax HE20 RU52	5955	0
ax HE20 RU52	6175	0
ax HE20 RU52	6415	2
ax HE20 RU52	6435	1
ax HE20 RU52	6475	1
ax HE20 RU52	6515	1
ax HE20 RU52	6535	1
ax HE20 RU52	6715	0
ax HE20 RU52	6855	1
ax HE20 RU52	6875	0
ax HE20 RU52	6895	3
ax HE20 RU52	7015	2
ax HE20 RU52	7095	1
ax HE20 RU52	7115	2
ax HE20 RU106	5955	10
ax HE20 RU106	6175	11
ax HE20 RU106	6415	13
ax HE20 RU106	6435	12
ax HE20 RU106	6475	14
ax HE20 RU106	6515	13
ax HE20 RU106	6535	12
ax HE20 RU106	6715	11
ax HE20 RU106	6855	11
ax HE20 RU106	6875	12
ax HE20 RU106	6895	11
ax HE20 RU106	7015	13
ax HE20 RU106	7095	12
ax HE20 RU106	7115	12

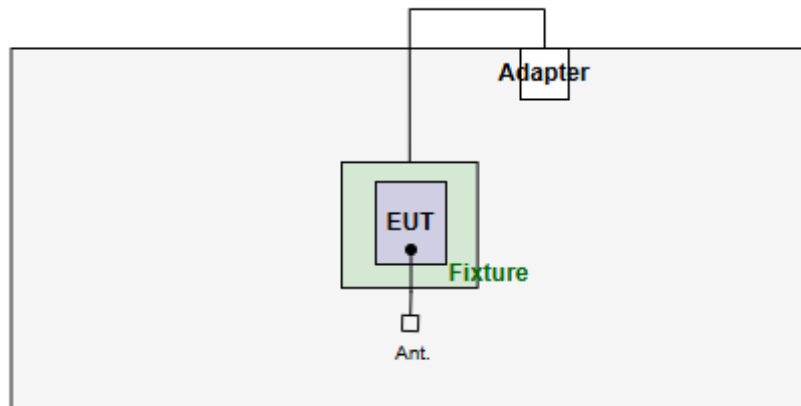
1.2 Local Support Equipment List

Support Equipment List					
No.	Equipment	Brand	Model	FCC ID	Remarks
1	Laptop	DELL	Latitude 5400	DoC	---
2	Fixture	Ezurio	750-00001-2-0	---	Provided by applicant.
3	Fixture's adapter	Chenzhou Frecom Electronics Co.	F36L7-120300SPACP	---	Provided by applicant.
4	50Ω terminator	Woken	WTER-18S2	---	---

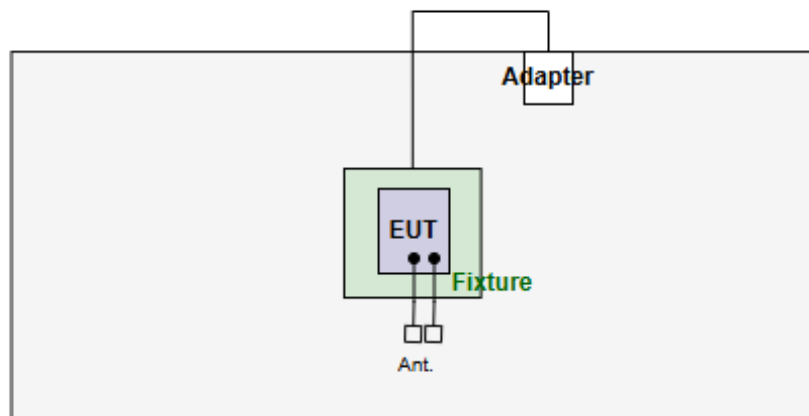
1.3 Test Setup Chart



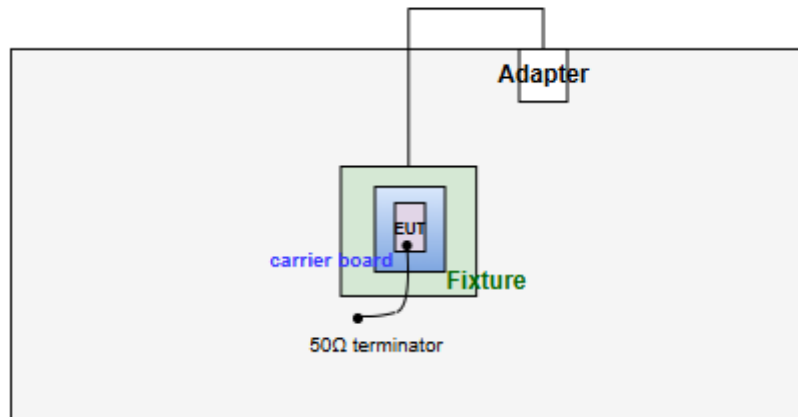
Test Setup Diagram (Conducted Emission –Laird part number: 453-00213)



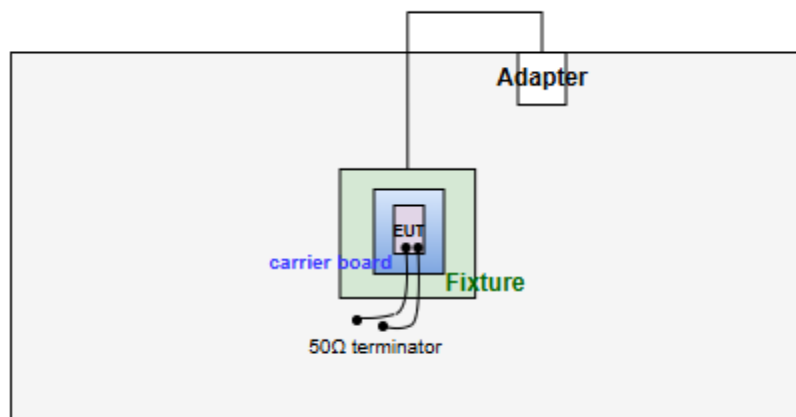
Test Setup Diagram (Conducted Emission – Laird part number: 453-00214)



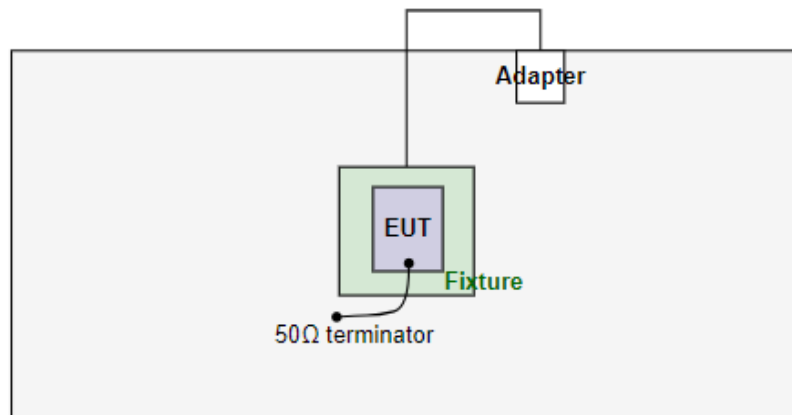
Test Setup Diagram (Radiated Emission – Laird part number: 453-00184)



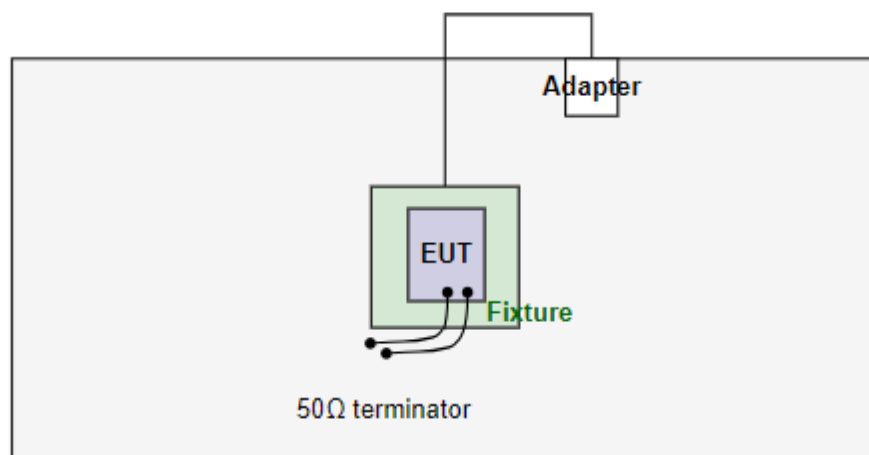
Test Setup Diagram (Radiated Emission –Laird part number: 453-00193)



Test Setup Diagram (Radiated Emission – Laird part number: 453-00213)



Test Setup Diagram (Radiated Emission –Laird part number: 453-00214)



1.4 The Equipment List

Test Item	Conducted Emission				
Test Site	Conduction room 1 / (CO01-WS)				
Tested Date	Oct. 21, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101658	Feb. 23, 2024	Feb. 22, 2025
LISN	R&S	ENV216	101579	May 09, 2024	May 08, 2025
LISN (Support Unit)	SCHWARZBECK	Schwarzbeck 8127	8127667	Jan. 10, 2024	Jan. 09, 2025
RF Cable-CON	Woken	CFD200-NL	CFD200-NL-001	Oct. 07, 2024	Oct. 08, 2025
50 ohm terminal	NA	50	01	Jun. 19, 2024	Jun. 18, 2025
Measurement Software	AUDIX	e3	6.120210k	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	RF Conducted				
Test Site	(TH01-WS)				
Tested Date	Oct. 04 ~ Oct. 25, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Spectrum Analyzer	R&S	FSV40	101910	Apr. 18, 2024	Apr. 17, 2025
Power Meter	Anritsu	ML2495A	1241002	Nov. 21, 2023	Nov. 20, 2024
Power Sensor	Anritsu	MA2411B	1207366	Nov. 21, 2023	Nov. 20, 2024
Attenuator	Pasternack	PE7005-10	10-2	Oct. 04, 2024	Oct. 03, 2025
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 02, 2024	Oct. 01, 2025
LOWPASS FILTER	WI	WLKS1100-12SS	2	Oct. 02, 2024	Oct. 01, 2025
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Note: Calibration Interval of instruments listed above is one year.					

Test Item	Radiated Emission				
Test Site	966 chamber1 / (03CH01-WS)				
Tested Date	Oct. 11 ~ Oct. 14, 2024				
Instrument	Brand	Model No.	Serial No.	Calibration Date	Calibration Until
Receiver	R&S	ESR3	101657	Mar. 05, 2024	Mar. 04, 2025
Spectrum Analyzer	R&S	FSV40	101498	Nov. 23, 2023	Nov. 22, 2024
Loop Antenna	R&S	HFH2-Z2	100330	Oct. 31, 2023	Oct. 30, 2024
Bilog Antenna	SCHWARZBECK	VULB9168	VULB9168-522	Aug. 09, 2024	Aug. 08, 2025
Horn Antenna 1G-18G	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1096	Nov. 27, 2023	Nov. 26, 2024
Horn Antenna 18G-40G	SCHWARZBECK	BBHA 9170	BBHA 9170517	Oct. 30, 2023	Oct. 29, 2024
Preamplifier	EMC	EMC02325	980225	Jun. 17, 2024	Jun. 16, 2025
Preamplifier	EMC	EMC118A45SE	980898	Jul. 05, 2024	Jul. 04, 2025
Preamplifier	EMC	EMC184045SE	980903	Jul. 30, 2024	Jul. 29, 2025
Loop Antenna Cable	KOAX KABEL	101354-BW	101354-BW	Oct. 02, 2024	Oct. 01, 2025
LF cable 3M	Woken	CFD400NL-LW	CFD400NL-001	Oct. 02, 2024	Oct. 01, 2025
LF cable 11M	EMC	EMCCFD400-NW-NW-11000	200801	Oct. 02, 2024	Oct. 01, 2025
LF cable 1M	EMC	EMCCFD400-NM-NM-1000	160502	Oct. 02, 2024	Oct. 01, 2025
RF Cable	EMC	EMC104-35M-35M-8000	210920	Oct. 02, 2024	Oct. 01, 2025
RF Cable	EMC	EMC104-35M-35M-3000	210922	Oct. 02, 2024	Oct. 01, 2025
Attenuator	Pasternack	PE7005-10	10-1	Oct. 02, 2024	Oct. 01, 2025
HIGHPASS FILTER 3.1-18G	WHK	WHK3.1/18G-10SS	39	Oct. 02, 2024	Oct. 01, 2025
Measurement Software	Sporton	SENSE-15247_DTS	V5.11	NA	NA
Measurement Software	Sporton	SENSE-EMI	V5.11	NA	NA

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

1.5 Test Standards

47 CFR FCC Part 15.407

ANSI C63.10-2013

1.6 Reference Guidance

FCC KDB 987594 D02 U-NII 6 GHz EMC Measurement v03

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

1.7 Deviation from Test Standard and Measurement Procedure

None

1.8 Measurement Uncertainty

The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Uncertainty	
Parameters	Uncertainty
Bandwidth	± 34.130 Hz
Conducted power	± 0.808 dB
Frequency error	$\pm 1 \times 10^{-9}$
Power density	± 0.583 dB
Conducted emission	± 2.715 dB
AC conducted emission	± 2.92 dB
Radiated emission ≤ 1 GHz	± 3.41 dB
Radiated emission > 1 GHz	± 4.59 dB
Time	$\pm 0.1\%$
Temperature	± 0.4 °C

2 Test Configuration

2.1 Testing Facility

Test Laboratory	International Certification Corp.
Test Site	CO01-WS, 03CH01-WS, TH01-WS
Address of Test Site	No. 3-1, Lane 6, Wen San 3rd St., Kwei Shan District, Tao Yuan City 33381, Taiwan, R.O.C.

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 Test Modes and Channel Details

Test item	Modulation Mode	Test Frequency (MHz)	Data Rate	Test method	Mode	Test Configuration	Note
AC Power Line Conducted Emissions	ax HE20 RU106	5955	MCS 0	Conducted	TX	1	---
Unwanted Emissions ≤1GHz	ax HE20 RU106	5955	MCS 0	Radiated	TX	1, 2, 3, 4	Note 2
Unwanted Emissions >1GHz	ax HE20 RU26 ax HE20 RU52 ax HE20 RU106	5955 / 6175 / 6415 / 6435 6475 / 6515 / 6535 / 6715 / 6855 6875 / 6895 / 7015 / 7095 / 7115	MCS 0	Radiated	TX	1	Note 2
	ax HE20 RU52	7095	MCS 0	Radiated	TX	2, 3, 4	Note 2
	ax HE20 RU106	5955 / 6475 / 6875	MCS 0	Radiated	TX	2, 3, 4	Note 2
Unwanted Emissions ≤1GHz	ax HE20 RU106	5955	MCS 0	Conducted	TX	1, 2, 3, 4	---
Unwanted Emissions >1GHz	ax HE20 RU26 ax HE20 RU52 ax HE20 RU106	5955 / 6175 / 6415 / 6435 6475 / 6515 / 6535 / 6715 / 6855 6875 / 6895 / 7015 / 7095 / 7115	MCS 0	Conducted	TX	1	---
	ax HE20 RU52	5955 / 7115	MCS 0	Conducted	TX	2, 3, 4	---
	ax HE20 RU106	6475 / 6875	MCS 0	Conducted	TX	2, 3, 4	---
RF Output Power	ax HE20 RU26 ax HE20 RU52 ax HE20 RU106	5955 / 6175 / 6415 / 6435 6475 / 6515 / 6535 / 6715 / 6855 6875 / 6895 / 7015 / 7095 /	MCS 0	Conducted	TX	1, 2, 3, 4	---

		7115					
Emission Bandwidth In-Band Emissions	ax HE20 RU26 ax HE20 RU52 ax HE20 RU106	5955 / 6175 / 6415 / 6435 6475 / 6515 / 6535 / 6715 / 6855 6875 / 6895 / 7015 / 7095 / 7115	MCS 0	Conducted	TX	1	---
Power Spectral Density	ax HE20 RU26 ax HE20 RU52 ax HE20 RU106	5955 / 6175 / 6415 / 6435 6475 / 6515 / 6535 / 6715 / 6855 6875 / 6895 / 7015 / 7095 / 7115	MCS 0	Conducted	TX	1	---

NOTE:

1. The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **Z-plane** result was found as the worst case and was shown in this report.
2. The 50Ω terminator is connected to antenna port of EUT for radiated emission measurement.
3. Test configurations are listed as below:
Configuration 1: Laird part number: 453-00184
Configuration 2: Laird part number: 453-00193
Configuration 3: Laird part number: 453-00213
Configuration 4: Laird part number: 453-00214

3 Transmitter Test Results

3.1 Emission Bandwidth

3.1.1 Limit

The maximum transmitter channel bandwidth for U-NII devices in the 5.925-7.125 GHz band is 320 megahertz.

3.1.2 Test Procedures

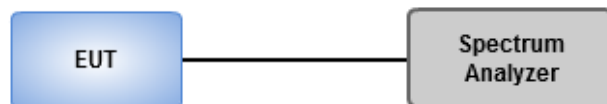
26dB Bandwidth

1. Set RBW = approximately 1% of the emission bandwidth.
2. Set the VBW > RBW, Detector = Peak.
3. Trace mode = max hold.
4. Measure the maximum width of the emission that is 26 dB down from the peak of the emission.

Occupied Bandwidth

1. Set RBW = 1 % to 5 % of the OBW.
2. Set VBW $\geq$ 3 RBW.
3. Sample detection and single sweep mode shall be used.
4. Use the 99 % power bandwidth function of the instrument.

3.1.3 Test Setup



3.1.4 Test Result

Ambient Condition	24-25°C / 61-62%	Tested By	Roger Lu
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Refer to Appendix A.

3.2 RF Output Power

3.2.1 Limit

Frequency Band	Operating Mode	Maximum EIRP Limit
5925 ~ 7125 MHz	☐ Indoor access point	30 dBm
	☐ Subordinate device	30 dBm
	☒ Client devices	24 dBm

3.2.2 Test Procedures

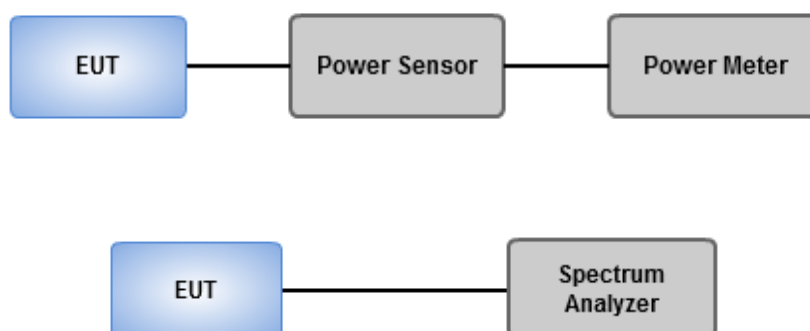
Method PM-G (Measurement using a gated RF average power meter)

1. Measurements is performed using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since the measurement is made only during the ON time of the transmitter, no duty cycle correction factor is required.
2. EIRP = Measured conducted power + Antenna gain

Spectrum analyzer (For channel that extends across the 6.525 / 6.875 GHz boundary)

1. Set RBW = 1MHz, VBW = 3MHz, Sweep time = Auto, Detector = RMS.
2. Trace average at least 100 traces in power averaging mode.
3. Compute power by integrating the spectrum across the 26 dB EBW.
4. Add $10 \log(1/X, X:\text{duty cycle})$ if duty cycle is <98%.
5. EIRP = Measured conducted power + Antenna gain

3.2.3 Test Setup



3.2.4 Test Result

Ambient Condition	24-25°C / 61-62%	Tested By	Roger Lu
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Refer to Appendix B.

3.3 Power Spectral Density

3.3.1 Limit

Frequency Band	Operating Mode	Limit
5925 ~ 7125 MHz	☐ Indoor access point	EIRP: 5 dBm / 1 MHz
	☐ Subordinate device	EIRP: 5 dBm / 1 MHz
	☒ Client devices	EIRP: -1 dBm / 1 MHz

3.3.2 Test Procedures

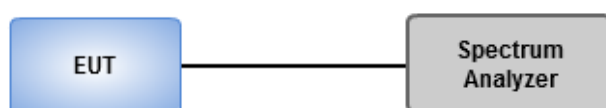
Duty cycle $\geq$ 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Sweep time = auto, Detector = RMS.
2. Trace average 100 traces.
3. Use the peak marker function to determine the maximum amplitude level.
4. EIRP PSD = Measured conducted power density + Antenna gain

Duty cycle < 98 %

1. Set RBW = 1 MHz, VBW = 3 MHz, Detector = RMS.
2. Set sweep time $\geq 10 \times$ (number of points in sweep) $\times$ (total on/off period of the transmitted signal).
3. Perform a single sweep.
4. Use the peak marker function to determine the maximum amplitude level.
5. Add $10 \log(1/x)$, where x is the duty cycle.
6. EIRP PSD = Measured conducted power density + Antenna gain

3.3.3 Test Setup



3.3.4 Test Result

Ambient Condition	24-25°C / 61-62%	Tested By	Roger Lu
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Refer to Appendix C.

3.4 Unwanted Emissions

3.4.1 Limit of Unwanted Emissions

Restricted Band Emissions 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:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

Un-restricted band emissions above 1GHz Limit		
Operating Band	PK Limit	AV Limit
5.925 – 7.125 GHz	e.i.r.p. -7 dBm [88.2 dBuV/m@3m]	e.i.r.p. -27 dBm [68.2 dBuV/m@3m]

Note 1: 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).

3.4.2 Test Procedures

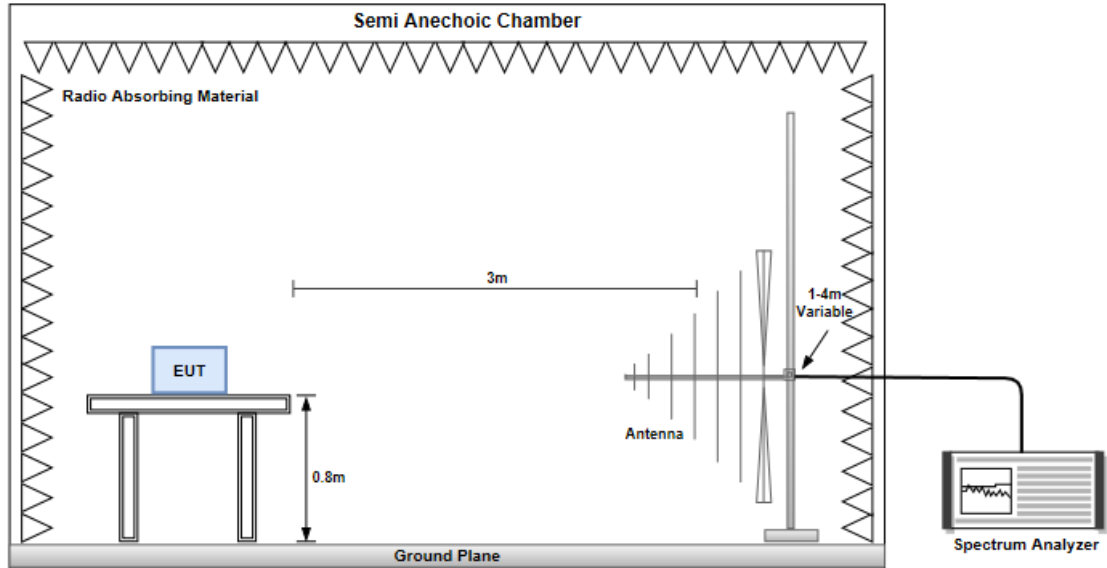
1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

Note:

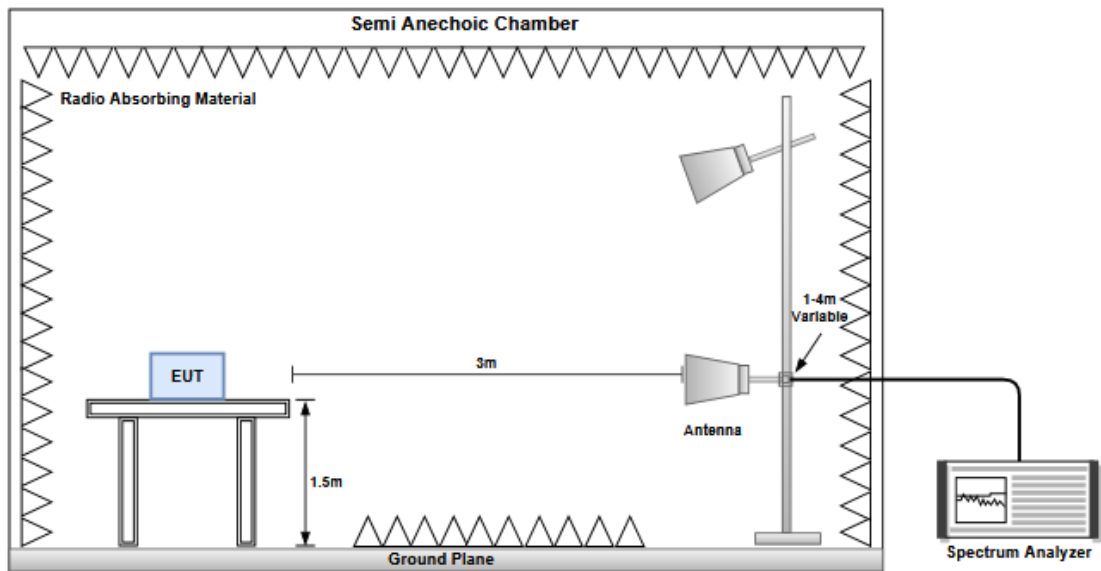
1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.4.3 Test Setup

Radiated Emissions below 1 GHz



Radiated Emissions above 1 GHz



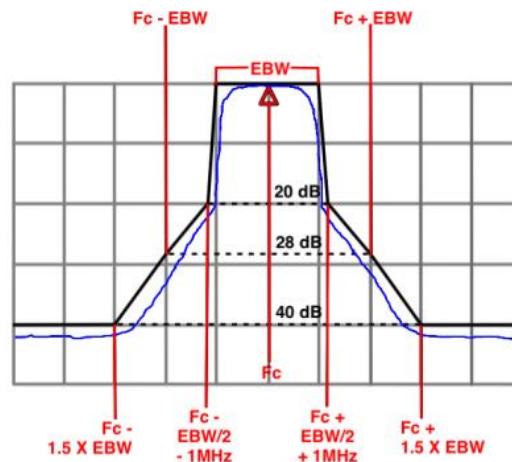
3.4.4 Test Results

Refer to Appendix D.

3.5 In-Band Emissions

3.5.1 Limit

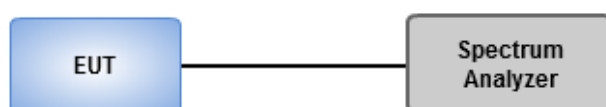
Power spectral density must be suppressed by 20 dB at 1 MHz outside of channel edge, by 28 dB at one channel bandwidth from the channel center, and by 40 dB at one- and one-half times the channel bandwidth away from channel center. At frequencies between one megahertz outside an unlicensed device's channel 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 Test Procedures

1. Connect output of the antenna port to a spectrum analyzer
2. Set the reference level of the measuring equipment
3. Measure the 26 dB EBW
4. Measure the power spectral density (which will be used for emissions mask reference) using the following procedure:
 - a) Set the span to encompass the entire 26 dB EBW of the signal.
 - b) Set RBW = same RBW used for 26 dB EBW measurement.
 - c) Set VBW $\geq 3 \times$ RBW
 - d) Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$.
 - e) Sweep time = auto.
 - f) Detector = RMS (i.e., power averaging)
 - g) Trace average at least 100 traces in power averaging (rms) mode.
 - h) Use the peak search function on the instrument to find the peak of the spectrum.
5. For the purposes of developing the emission mask, the channel bandwidth is defined as the 26 dB EBW
6. Using the measuring equipment limit line function, develop the emissions mask based on the following requirements. The emissions power spectral density must be reduced below the peak power spectral density (in dB) as follows
 - a. Suppressed by 20 dB at 1 MHz outside of the channel edge. (The channel edge is defined as the 26-dB point on either side of the carrier center frequency.)
 - b. Suppressed by 28 dB at one channel bandwidth from the channel center.
 - c. Suppressed by 40 dB at one- and one-half times the channel bandwidth from the channel center.
7. Adjust the span to encompass the entire mask as necessary
8. Clear trace.
9. Trace average at least 100 traces in power averaging (rms) mode.
10. Adjust the reference level as necessary so that the crest of the channel touches the top of the emission mask

3.5.3 Test Setup



3.5.4 Test Results

Ambient Condition	24-25°C / 61-62%	Tested By	Roger Lu
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Refer to Appendix E.

3.6 AC Power Line Conducted Emissions

3.6.1 Limit of AC Power Line Conducted Emissions

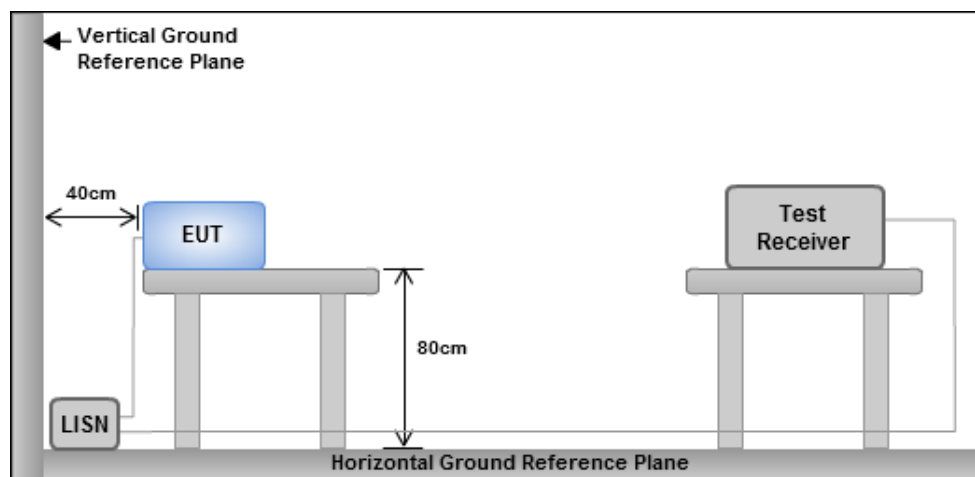
Conducted Emissions Limit		
Frequency Emission (MHz)	Quasi-Peak	Average
0.15-0.5	66 - 56 *	56 - 46 *
0.5-5	56	46
5-30	60	50

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

3.6.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V/60Hz

3.6.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.6.4 Test Result

Refer to Appendix F.

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corporation (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

Linkou

Tel: 886-2-2601-1640

No.30-2, Ding Fwu Tsuen, Lin Kou
District, New Taipei City, Taiwan
(R.O.C.)

Kwei Shan

Tel: 886-3-271-8666

No.3-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)
No.2-1, Lane 6, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

Kwei Shan Site II

Tel: 886-3-271-8640

No.14-1, Lane 19, Wen San 3rd
St., Kwei Shan Dist., Tao Yuan
City 33381, Taiwan (R.O.C.)

If you have any suggestion, please feel free to contact us as below information.

Tel: 886-3-271-8666

Fax: 886-3-318-0345

Email: ICC_Service@icertifi.com.tw

==END==

Configuration 1: Laird part number: 453-00184

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_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	18.15M	17.181M	17M2D1D	17.952M	17.121M
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	18.876M	17.001M	17M0D1D	18.678M	16.972M
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	20.064M	18.201M	18M2D1D	19.866M	18.141M
6.425-6.525GHz	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	18.216M	17.211M	17M2D1D	17.952M	17.151M
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	18.678M	16.972M	17M0D1D	18.48M	16.972M
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	19.998M	18.201M	18M2D1D	19.998M	18.171M
6.525-6.875GHz	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	18.216M	17.211M	17M2D1D	18.084M	17.121M
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	18.6M	17.001M	17M0D1D	18.546M	16.972M
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	20.13M	18.201M	18M2D1D	19.998M	18.141M
6.875-7.125GHz	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	18.15M	17.181M	17M2D1D	17.886M	17.001M
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	18.612M	17.001M	17M0D1D	18.48M	16.882M
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	20.196M	18.171M	18M2D1D	20.064M	18.111M

Max-N dB = Maximum 26dB down bandwidth

Max-OBW = Maximum 99% occupied bandwidth;

Min-N dB = Minimum 26dB down bandwidth

Min-OBW = Minimum 99% occupied bandwidth

Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	18.15M	17.181M
6175MHz	Pass	Inf	18.018M	17.181M
6415MHz	Pass	Inf	17.952M	17.121M
6435MHz	Pass	Inf	18.15M	17.211M
6475MHz	Pass	Inf	17.952M	17.151M
6515MHz	Pass	Inf	18.216M	17.211M
6535MHz	Pass	Inf	18.084M	17.151M
6715MHz	Pass	Inf	18.216M	17.121M
6855MHz	Pass	Inf	18.216M	17.211M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	18.12M	17.211M
6895MHz	Pass	Inf	18.15M	17.181M
7015MHz	Pass	Inf	17.886M	17.001M
7095MHz	Pass	Inf	18.084M	17.031M
7115MHz	Pass	Inf	18.018M	17.001M
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	18.744M	17.001M
6175MHz	Pass	Inf	18.678M	17.001M
6415MHz	Pass	Inf	18.876M	16.972M
6435MHz	Pass	Inf	18.48M	16.972M
6475MHz	Pass	Inf	18.678M	16.972M
6515MHz	Pass	Inf	18.612M	16.972M
6535MHz	Pass	Inf	18.546M	17.001M
6715MHz	Pass	Inf	18.546M	16.972M
6855MHz	Pass	Inf	18.546M	17.001M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	18.6M	17.001M
6895MHz	Pass	Inf	18.546M	17.001M
7015MHz	Pass	Inf	18.48M	16.882M
7095MHz	Pass	Inf	18.612M	16.882M
7115MHz	Pass	Inf	18.612M	16.912M
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-	-	-	-
5955MHz	Pass	Inf	20.064M	18.201M
6175MHz	Pass	Inf	19.866M	18.171M
6415MHz	Pass	Inf	19.932M	18.141M
6435MHz	Pass	Inf	19.998M	18.171M
6475MHz	Pass	Inf	19.998M	18.171M
6515MHz	Pass	Inf	19.998M	18.201M
6535MHz	Pass	Inf	20.064M	18.171M
6715MHz	Pass	Inf	20.13M	18.141M
6855MHz	Pass	Inf	19.998M	18.201M
6875MHz Straddle 6.525-6.875GHz	Pass	Inf	20.07M	18.141M
6895MHz	Pass	Inf	20.196M	18.141M



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
7015MHz	Pass	Inf	20.064M	18.141M
7095MHz	Pass	Inf	20.196M	18.111M
7115MHz	Pass	Inf	20.064M	18.171M

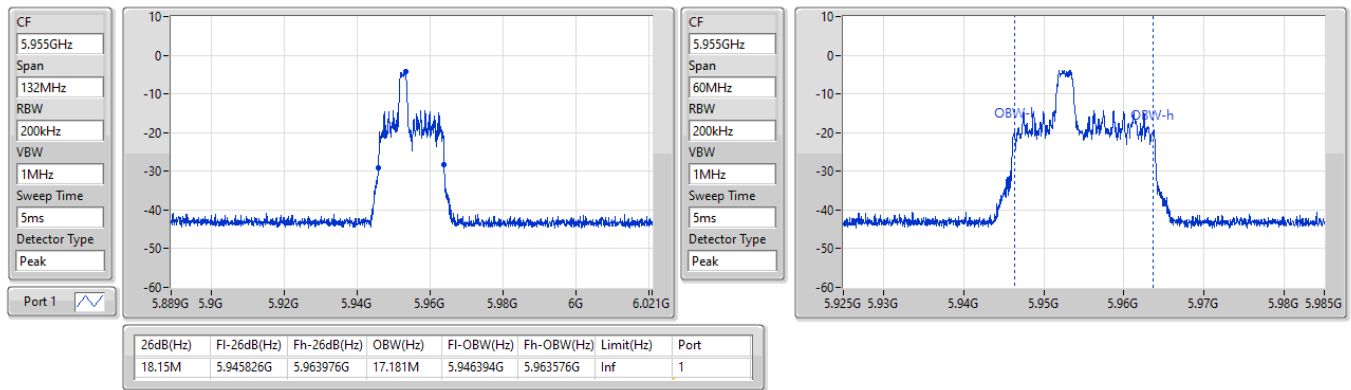
Port X-N dB = 26dB down bandwidth

Port X-OBW = Port X 99% occupied bandwidth

5.925-6.425GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

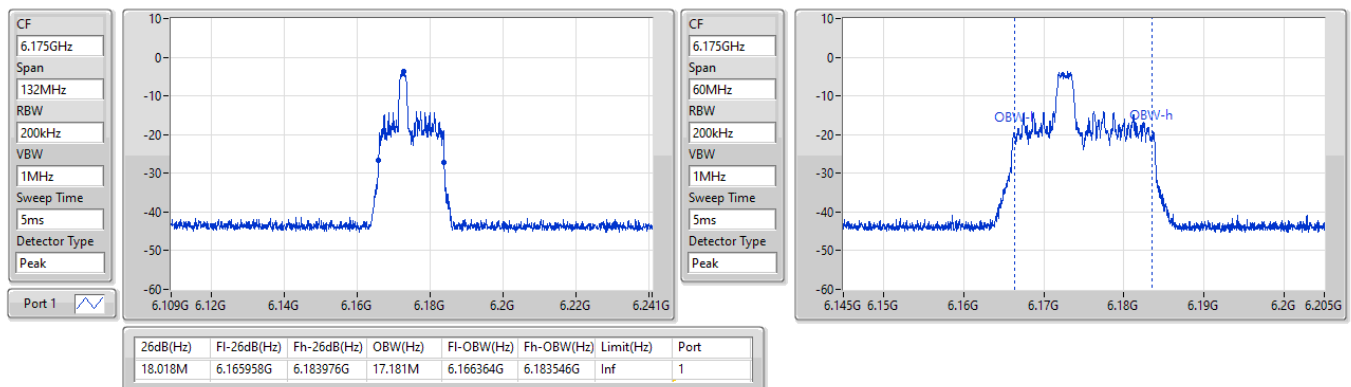
5955MHz



5.925-6.425GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

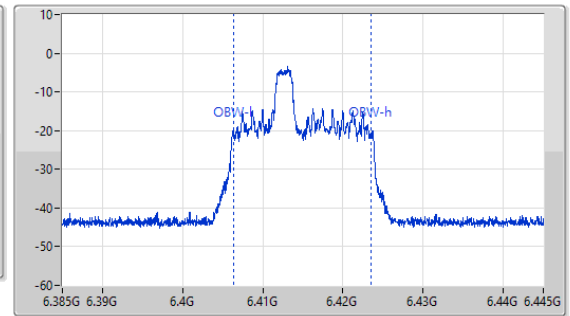
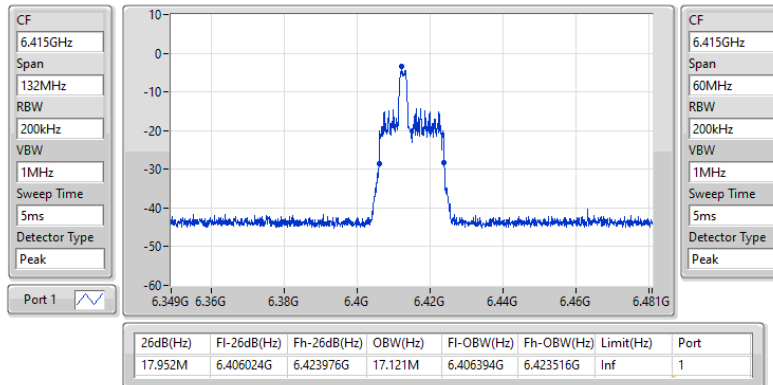
6175MHz



5.925-6.425GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

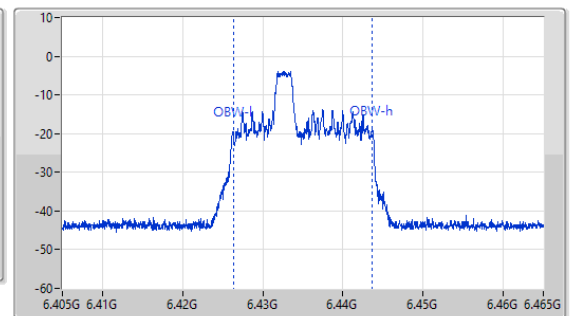
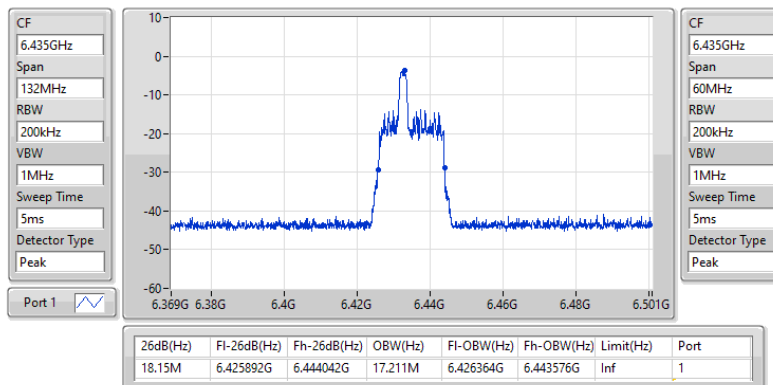
6415MHz



6.425-6.525GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

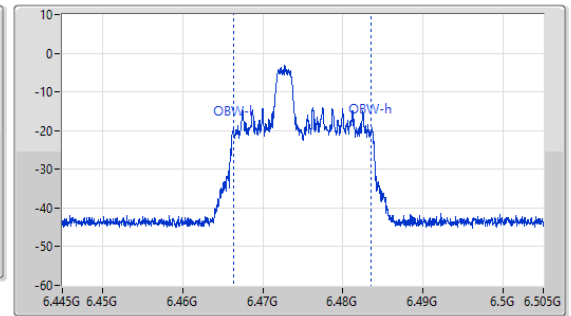
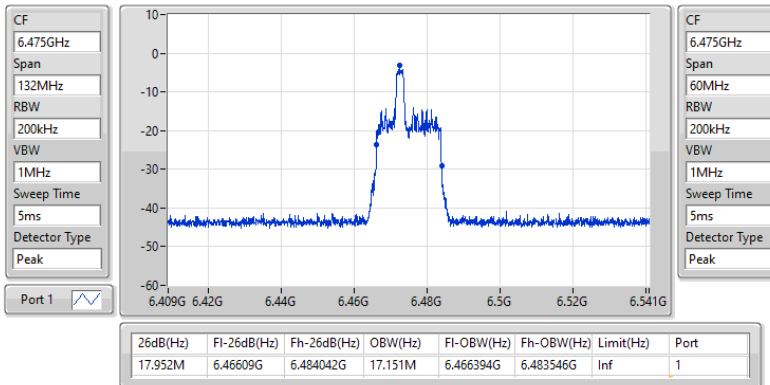
6435MHz



6.425-6.525GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

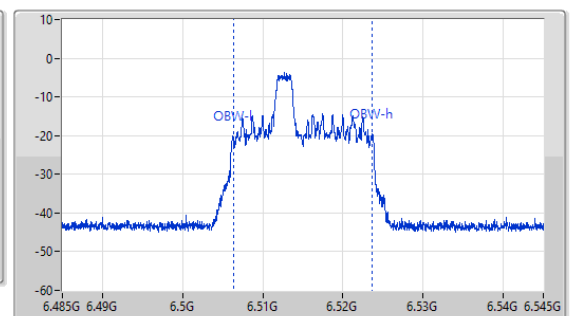
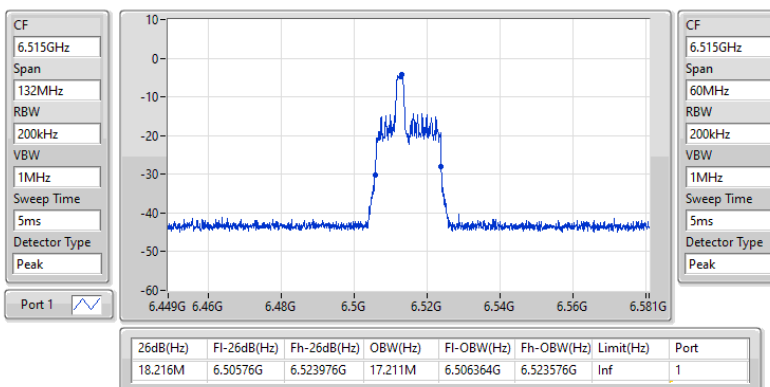
6475MHz



6.425-6.525GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

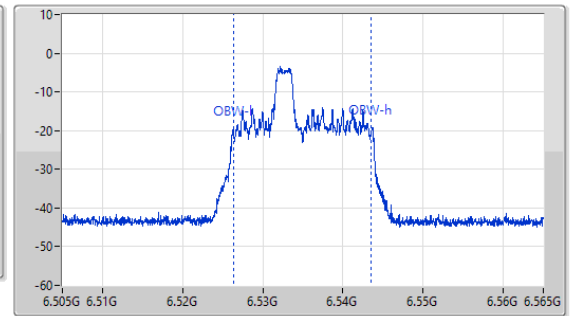
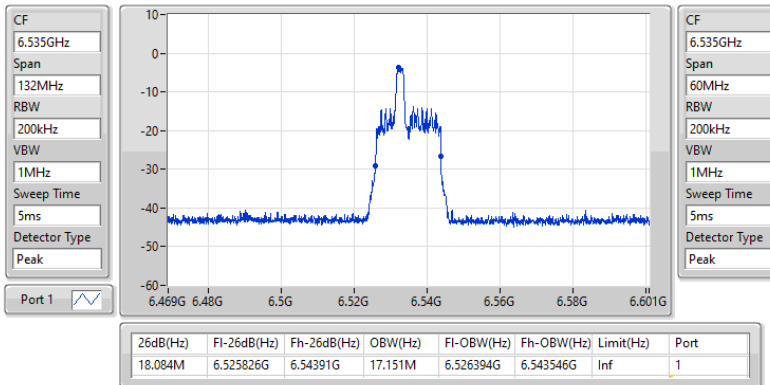
6515MHz



6.525-6.875GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

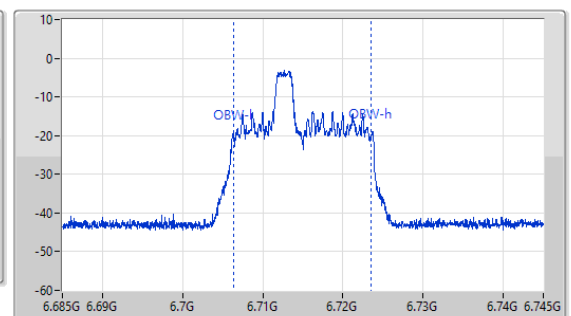
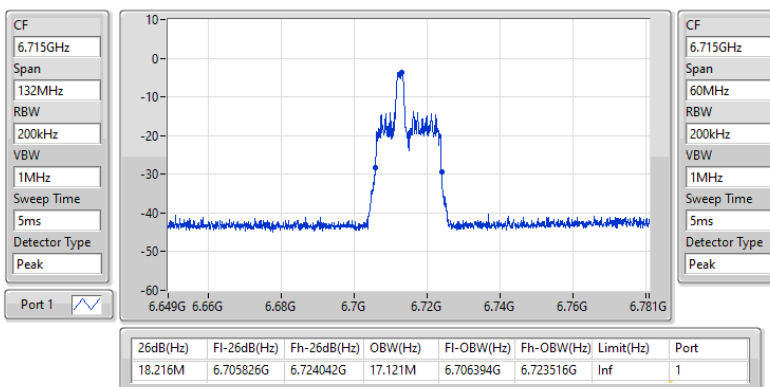
6535MHz



6.525-6.875GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

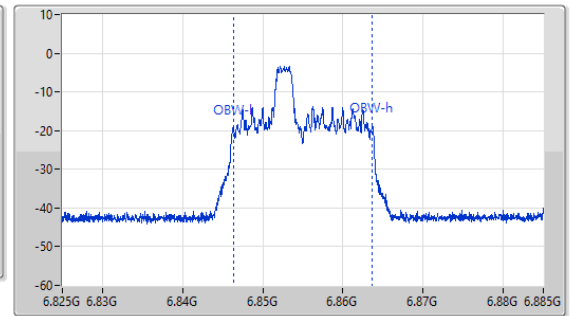
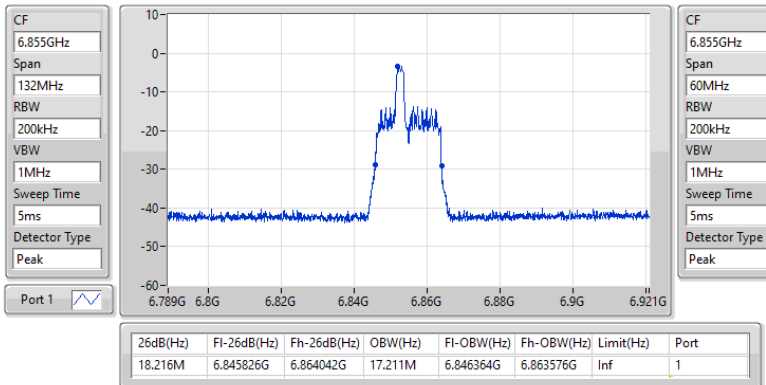
6715MHz



6.525-6.875GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

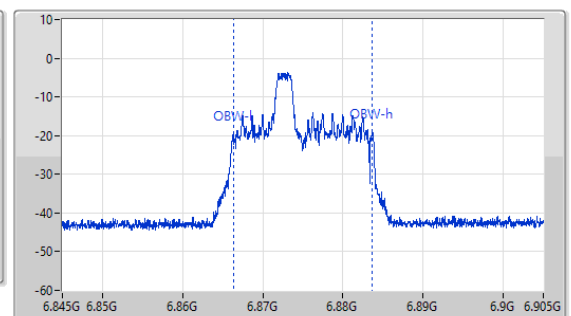
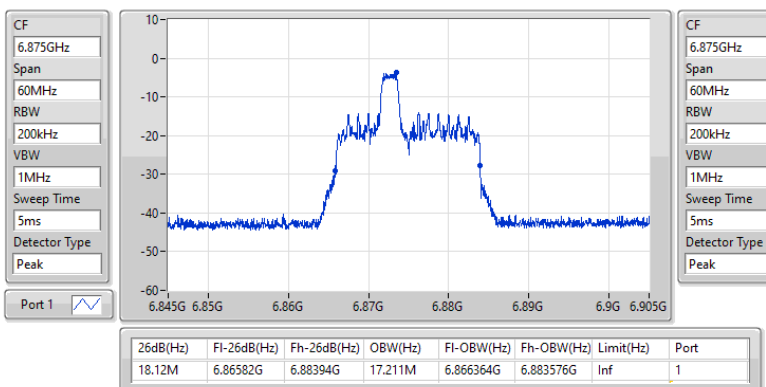
6855MHz



6.525-6.875GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

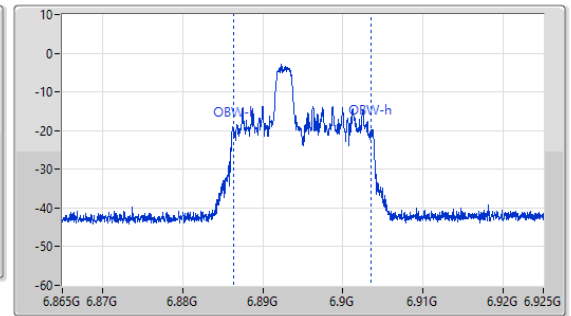
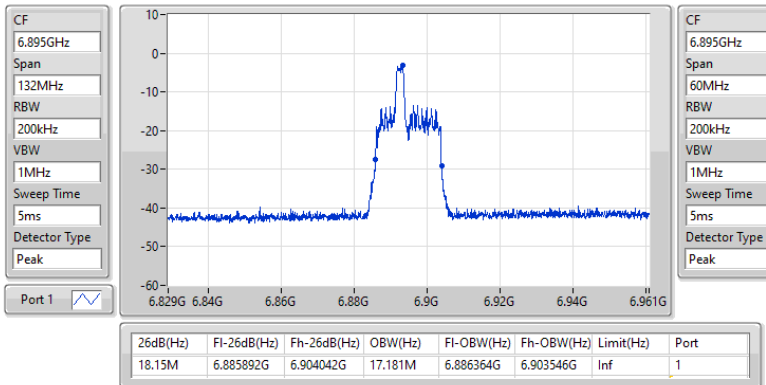
6875MHz Straddle 6.525-6.875GHz



6.875-7.125GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

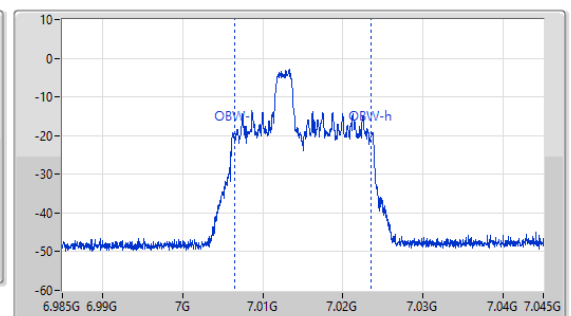
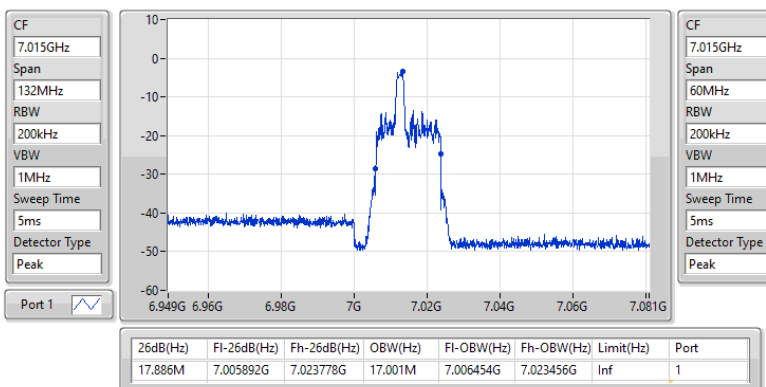
6895MHz



6.875-7.125GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

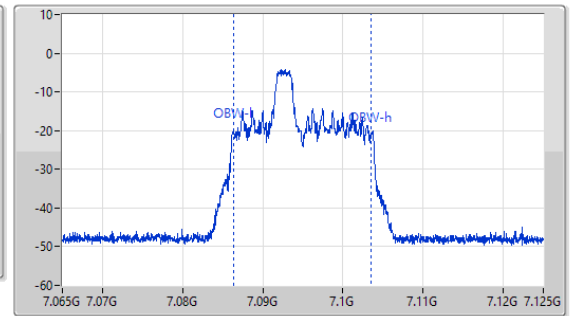
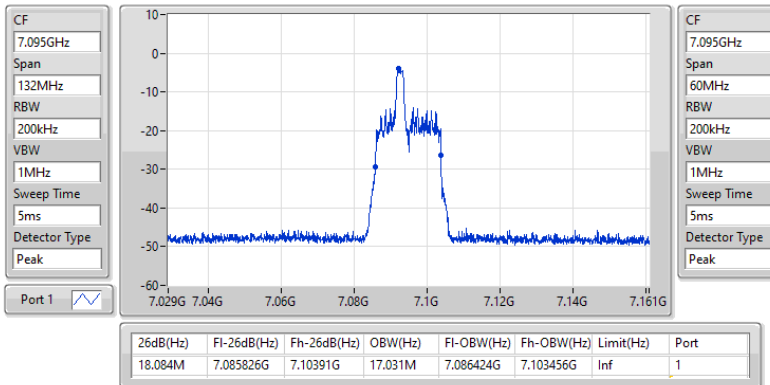
7015MHz



6.875-7.125GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

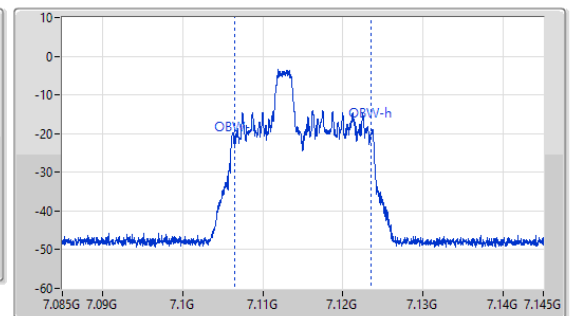
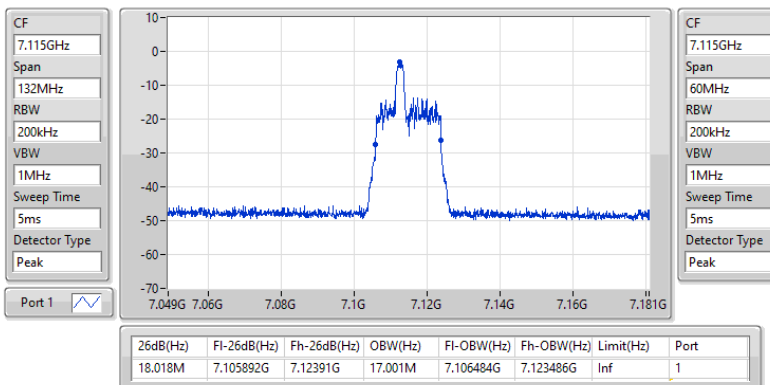
7095MHz



6.875-7.125GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

EBW

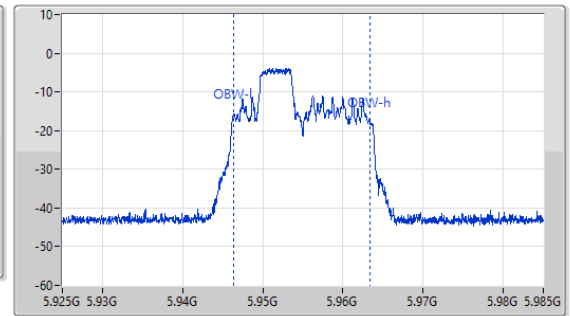
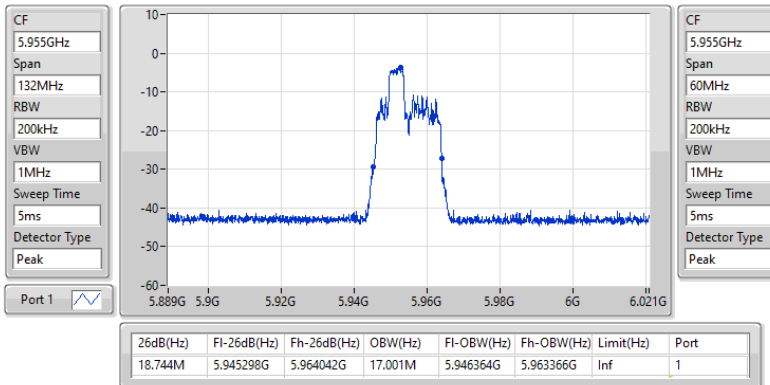
7115MHz



5.925-6.425GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

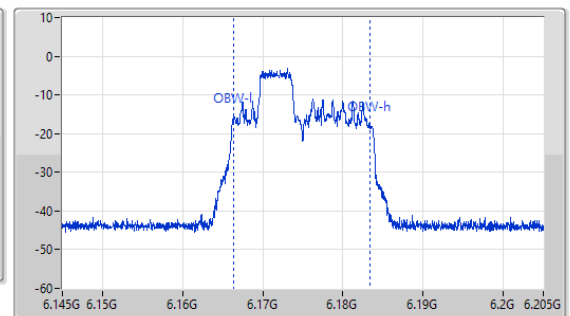
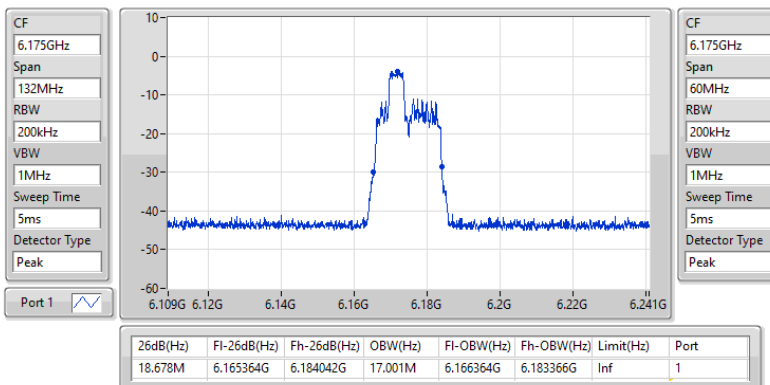
5955MHz



5.925-6.425GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

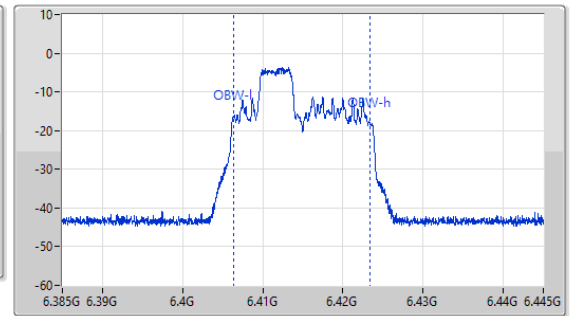
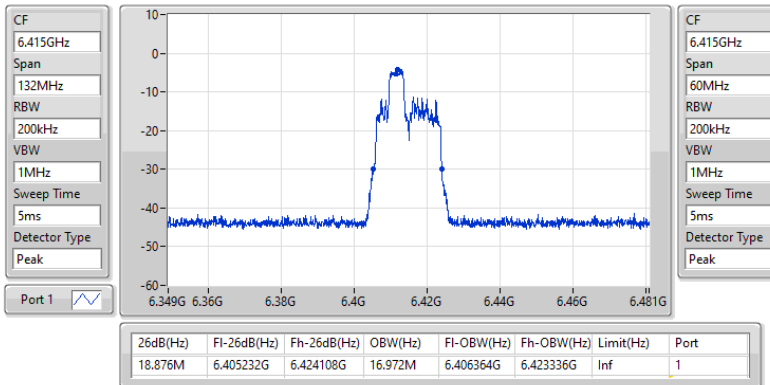
6175MHz



5.925-6.425GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

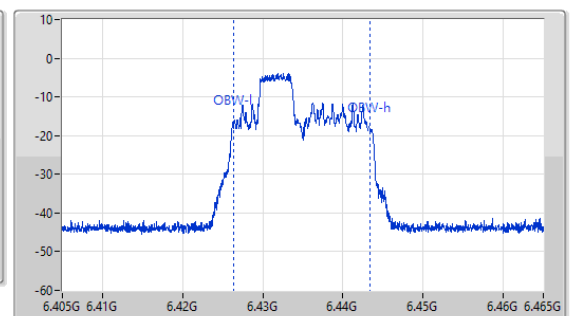
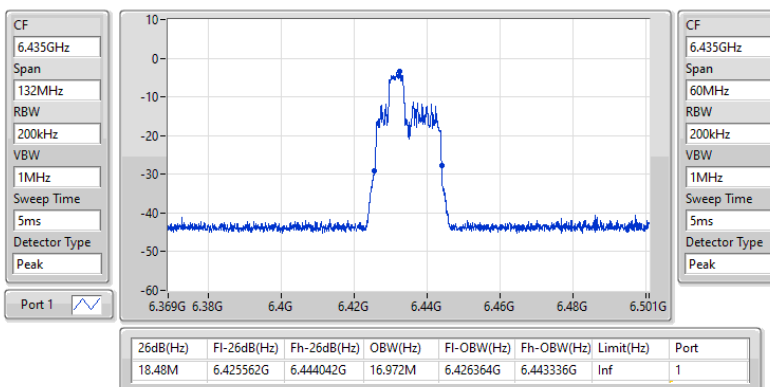
6415MHz



6.425-6.525GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

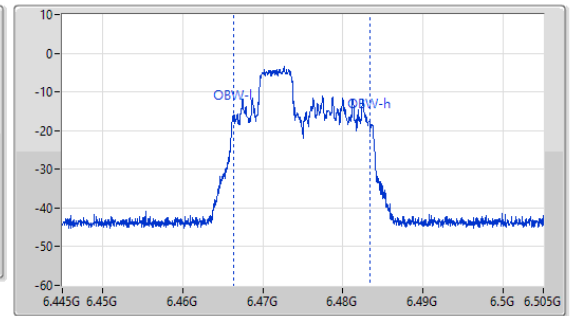
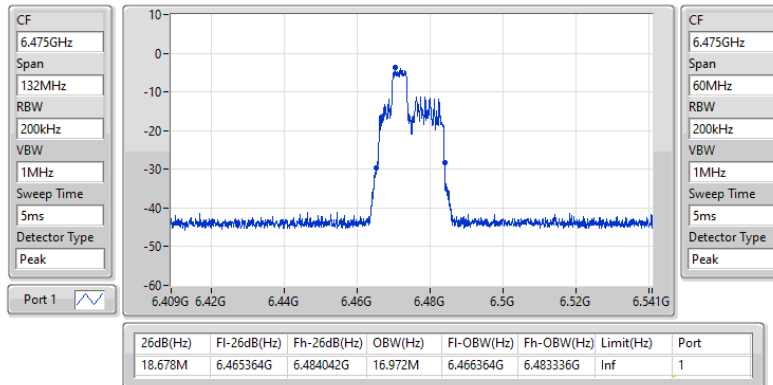
6435MHz



6.425-6.525GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

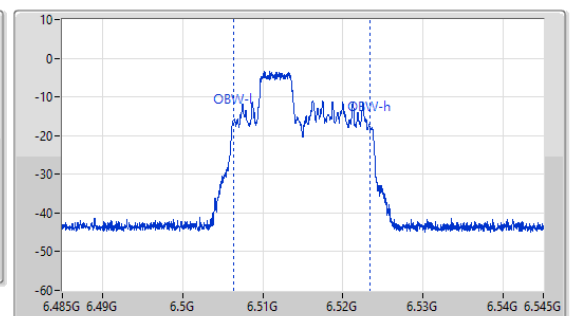
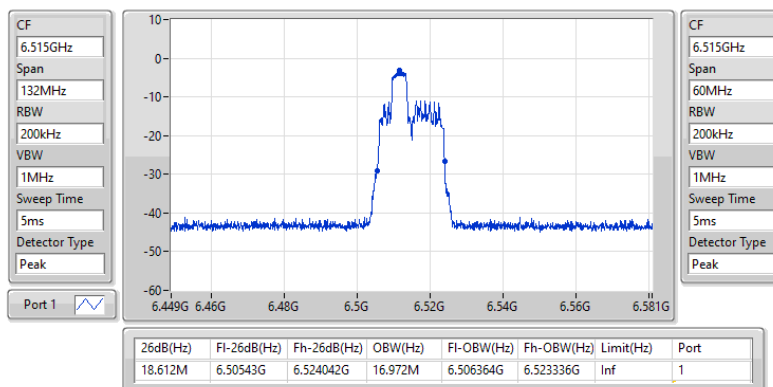
6475MHz



6.425-6.525GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

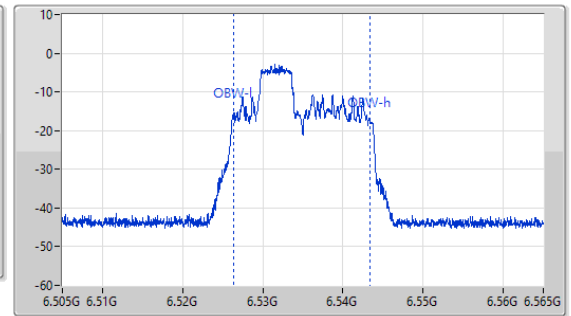
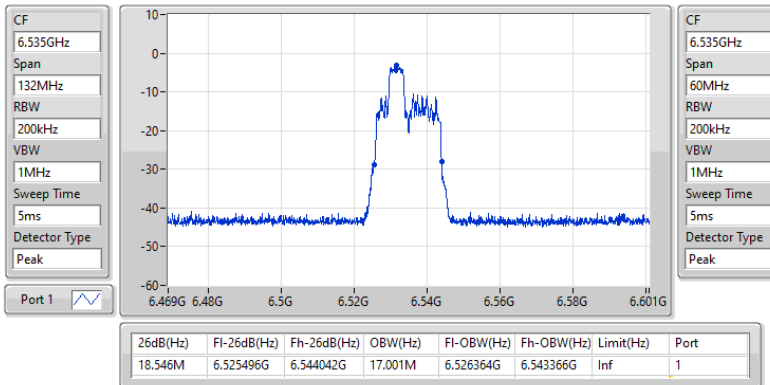
6515MHz



6.525-6.875GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

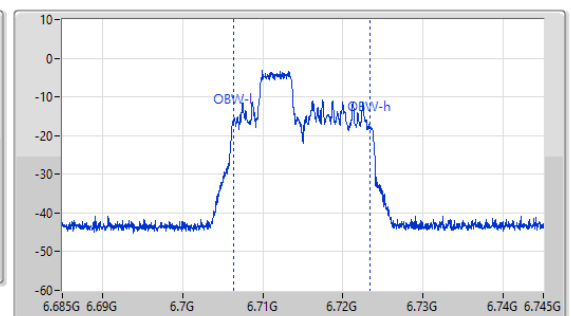
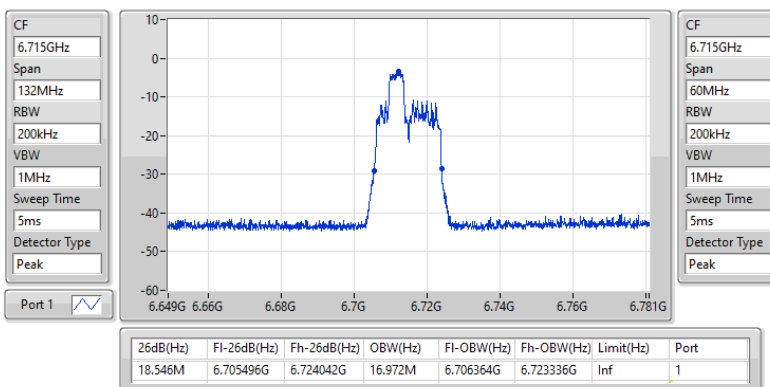
6535MHz



6.525-6.875GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

6715MHz

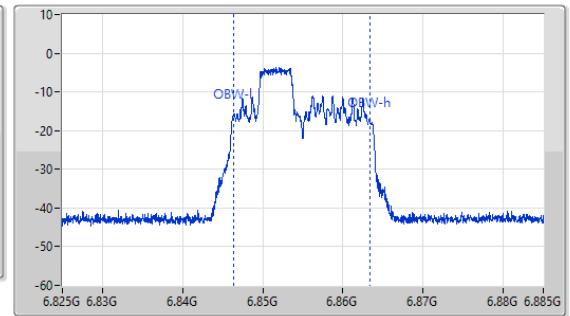
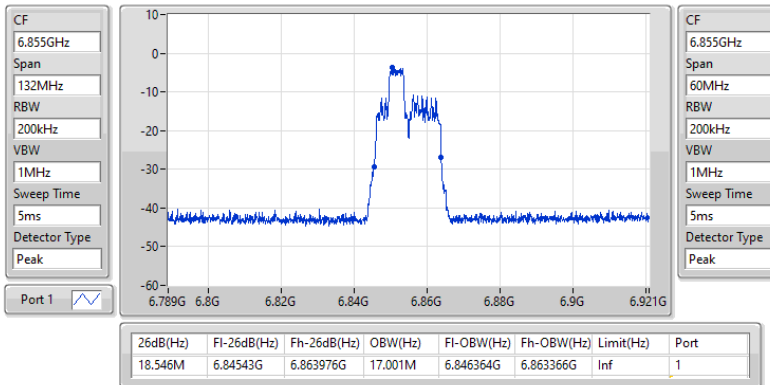




6.525-6.875GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

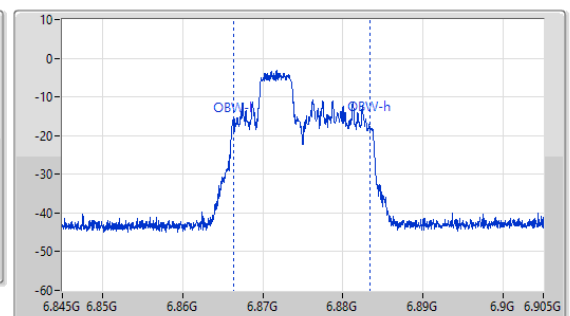
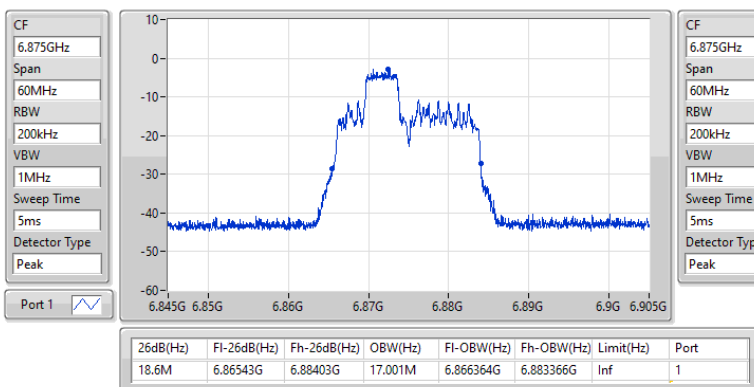
6855MHz



6.525-6.875GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

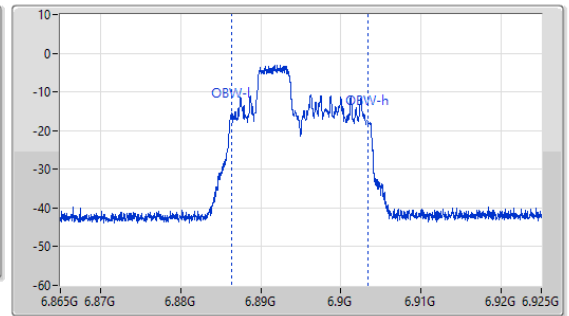
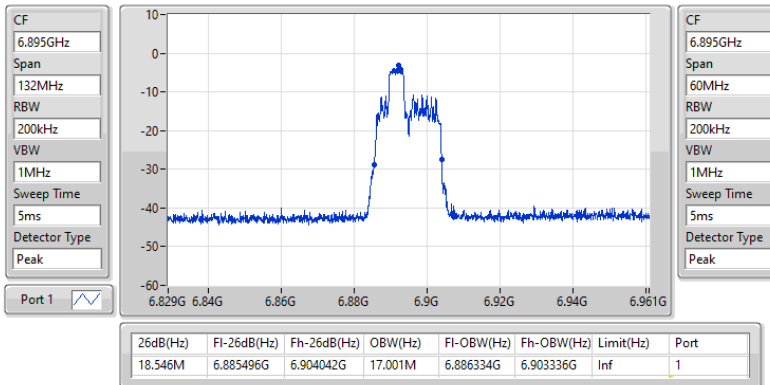
6875MHz Straddle 6.525-6.875GHz



6.875-7.125GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

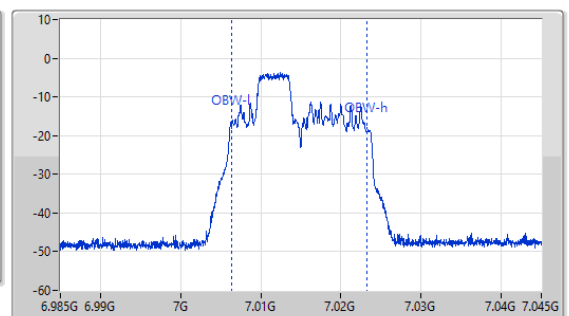
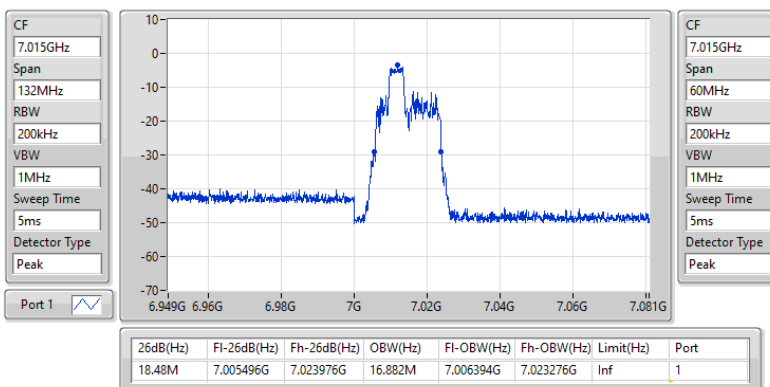
6895MHz



6.875-7.125GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

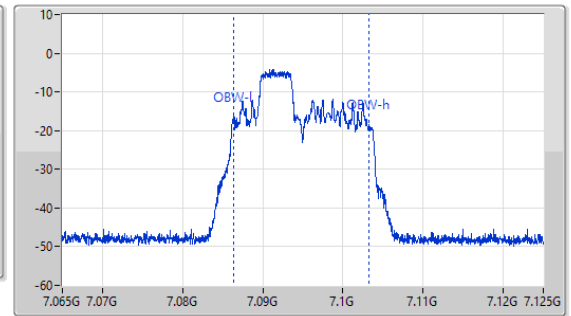
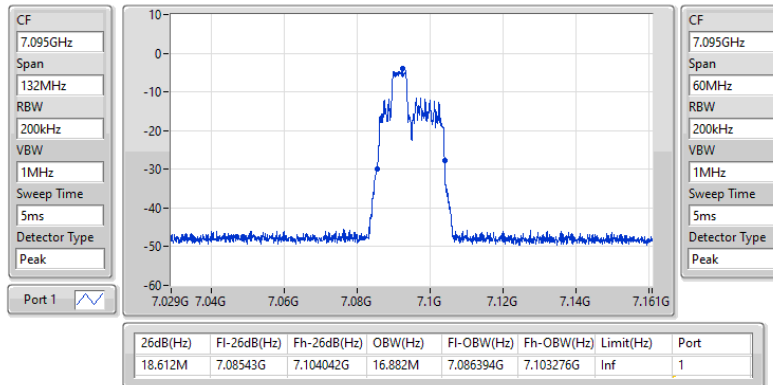
7015MHz



6.875-7.125GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

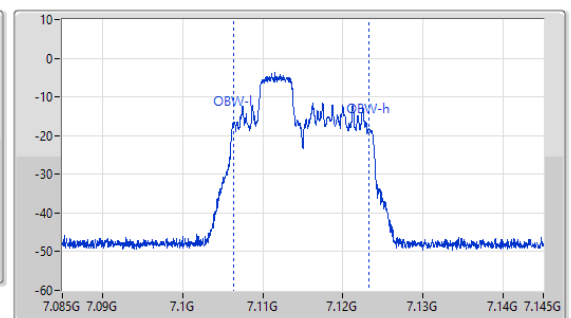
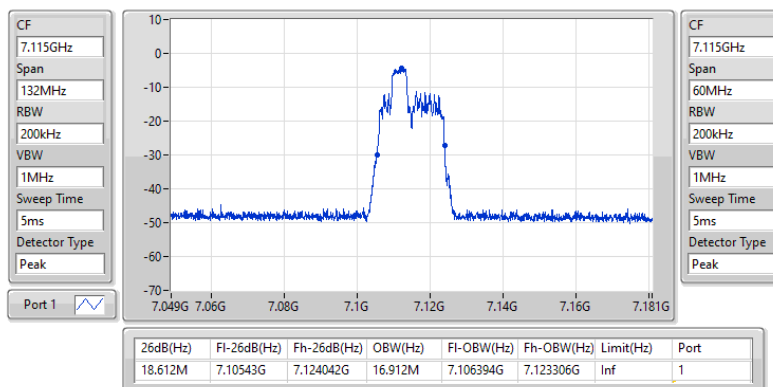
7095MHz



6.875-7.125GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

EBW

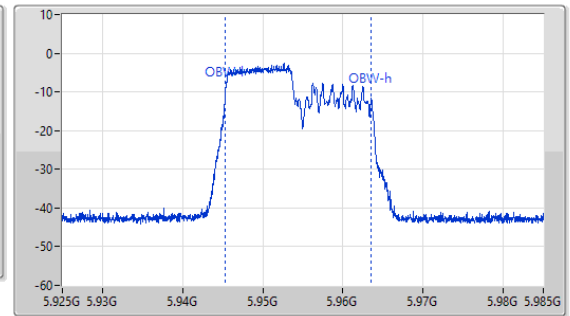
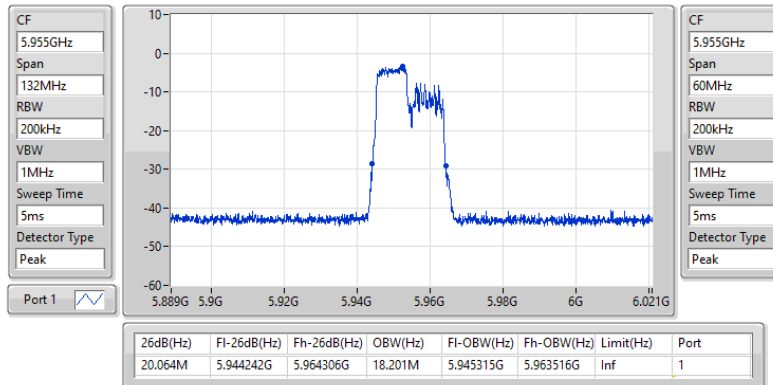
7115MHz



5.925-6.425GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

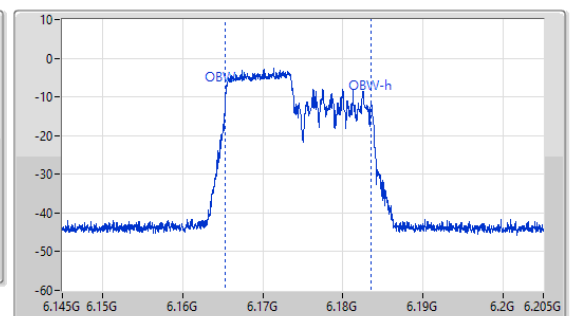
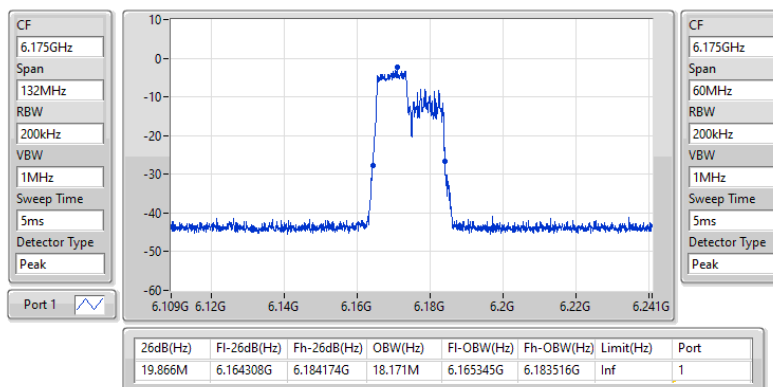
5955MHz



5.925-6.425GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

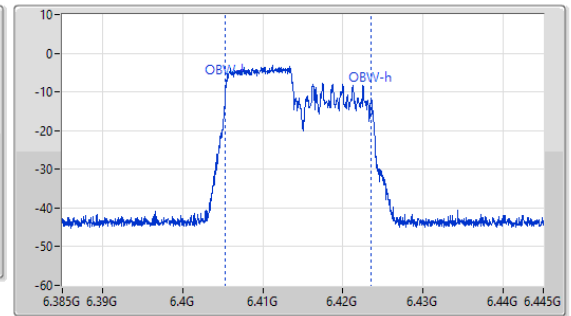
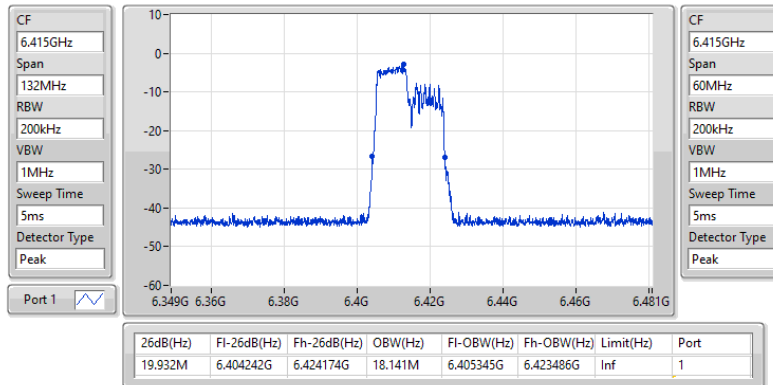
6175MHz



5.925-6.425GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

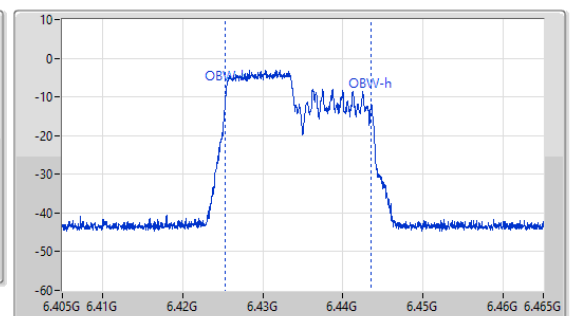
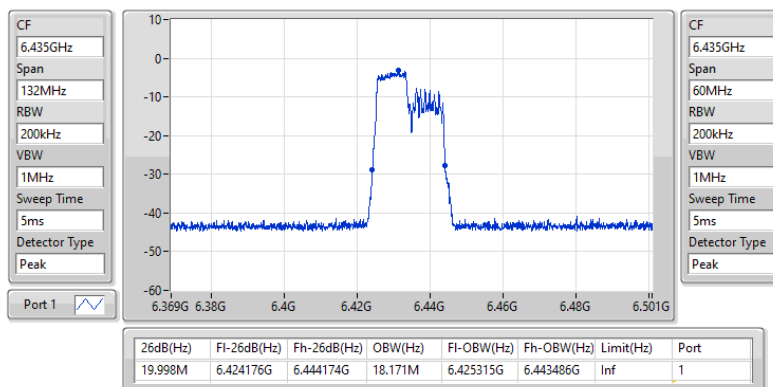
6415MHz



6.425-6.525GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

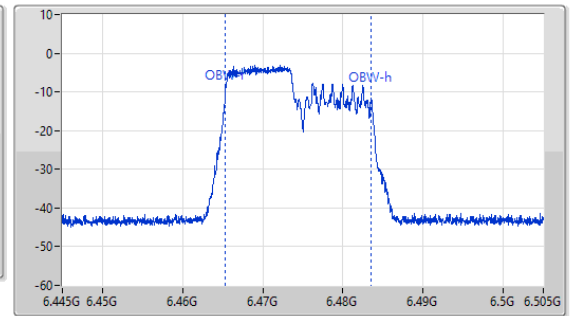
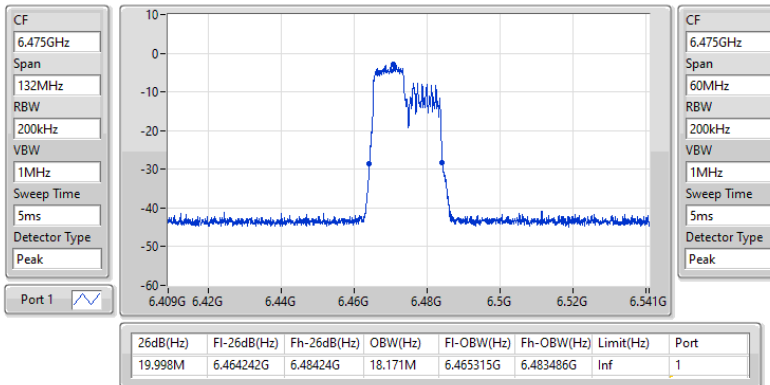
6435MHz



6.425-6.525GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

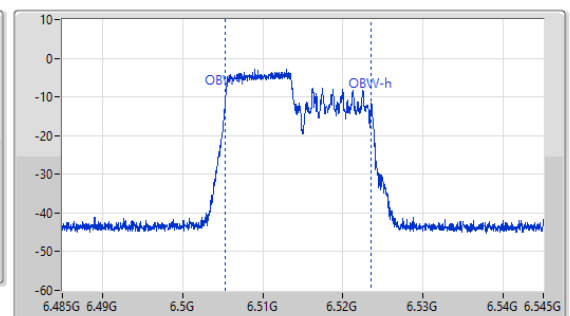
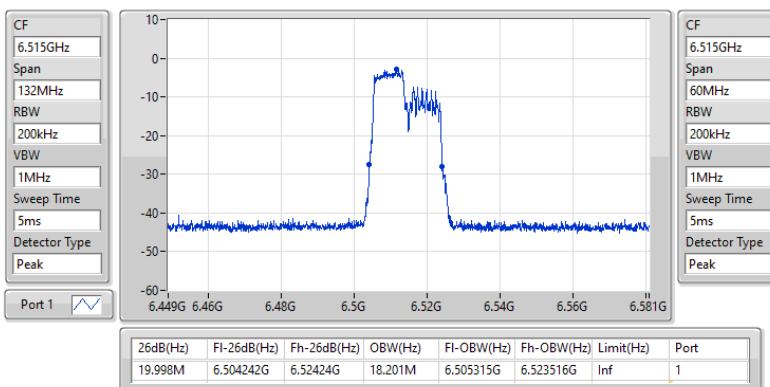
6475MHz



6.425-6.525GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

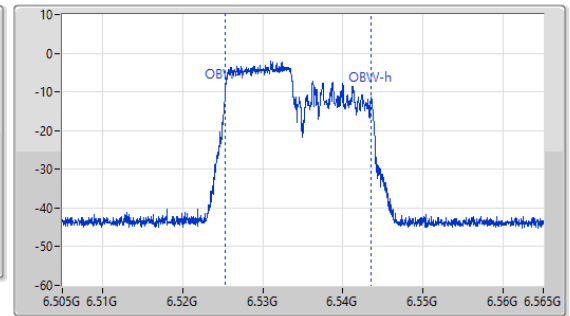
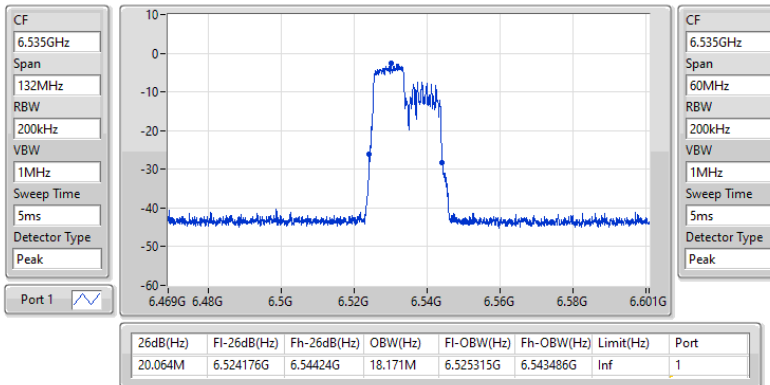
6515MHz



6.525-6.875GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

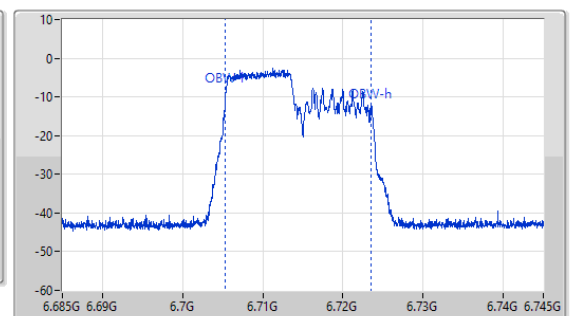
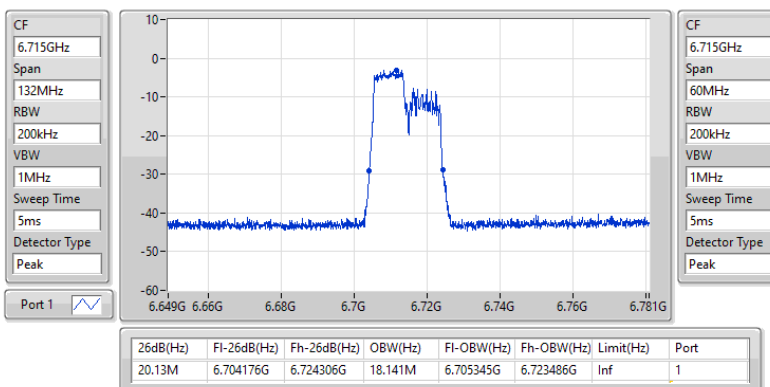
6535MHz



6.525-6.875GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

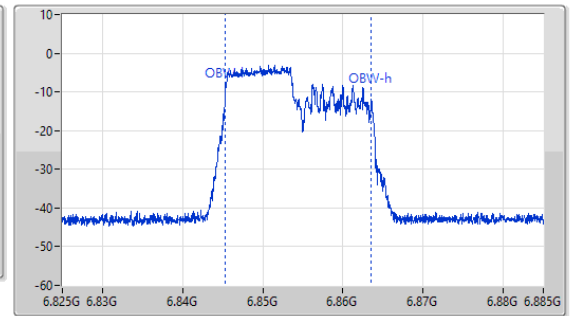
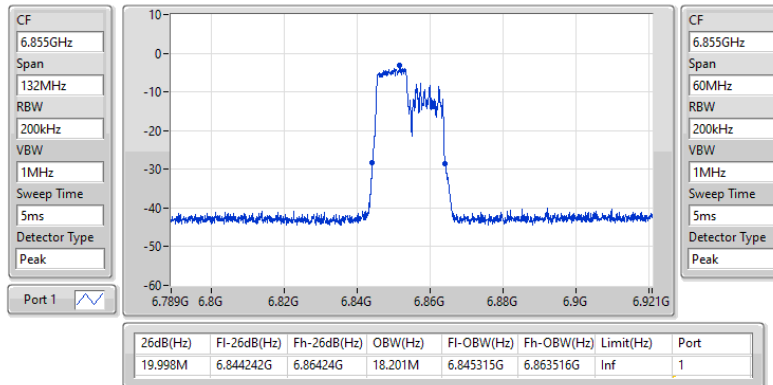
6715MHz



6.525-6.875GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

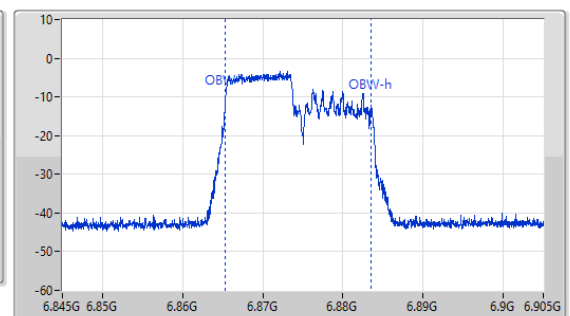
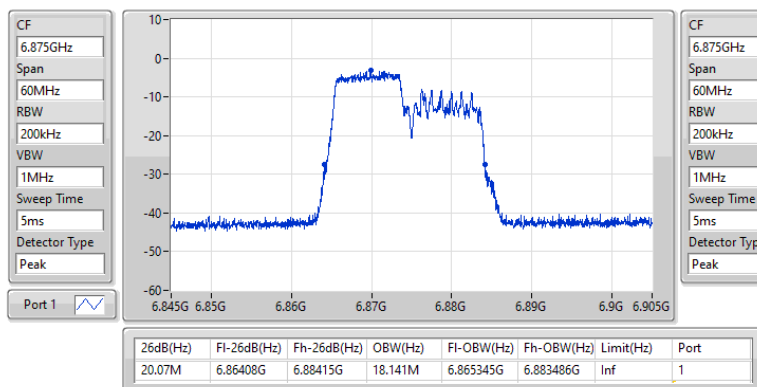
6855MHz



6.525-6.875GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

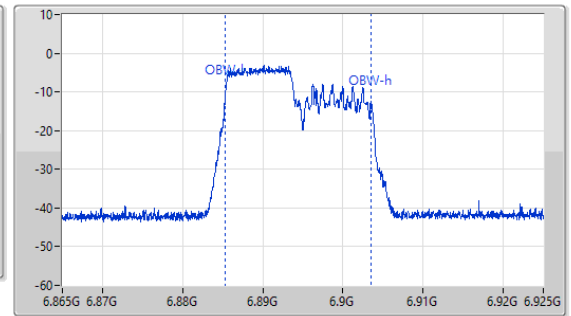
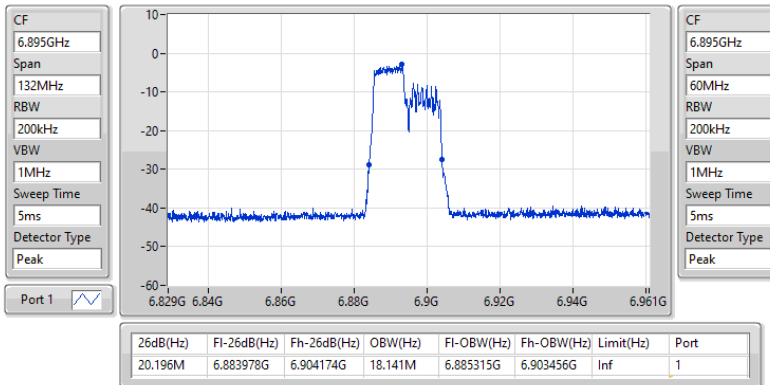
6875MHz Straddle 6.525-6.875GHz



6.875-7.125GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

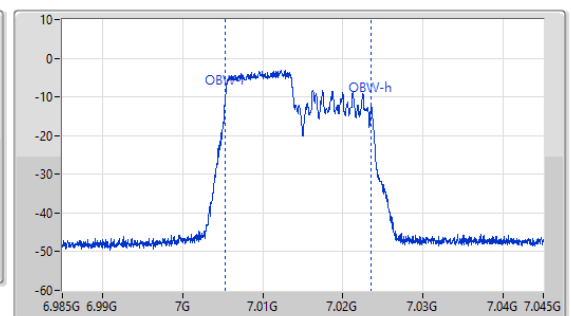
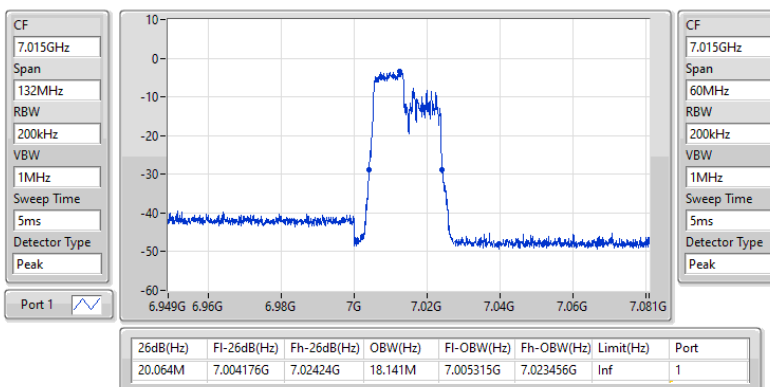
6895MHz



6.875-7.125GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

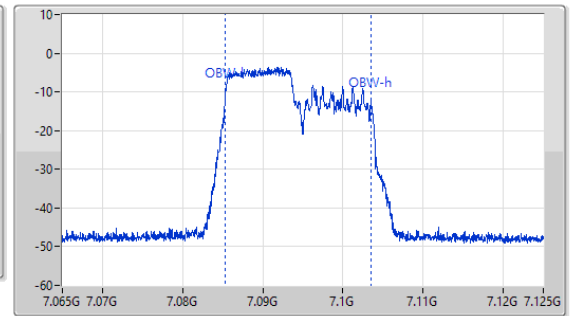
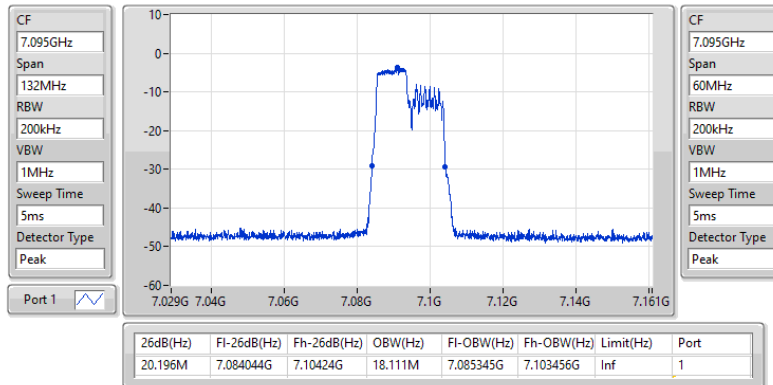
7015MHz



6.875-7.125GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

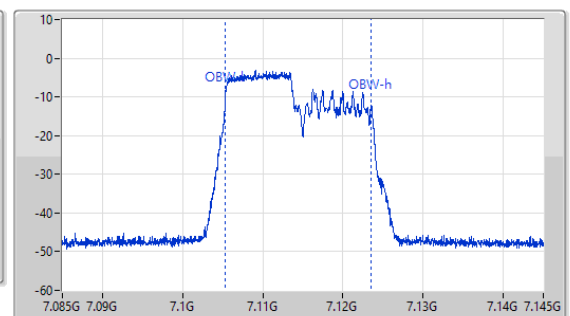
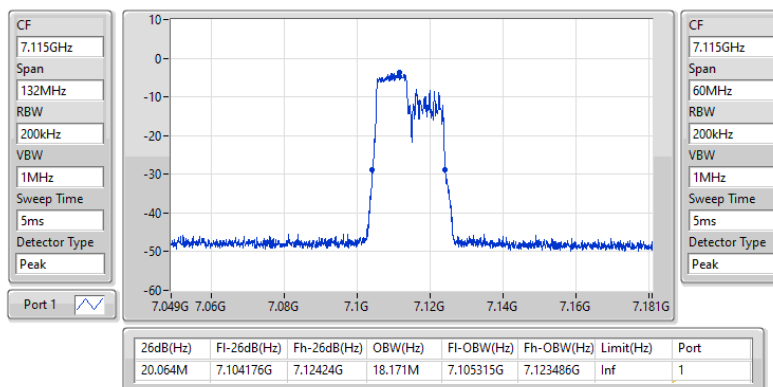
7095MHz



6.875-7.125GHz_802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

EBW

7115MHz



Summary

Mode	Total Power (dBm)	Total Power (W)	EIRP (dBm)	EIRP (W)
5.925-6.425GHz	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-2.61	0.00055	2.59	0.00182
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	0.22	0.00105	5.42	0.00348
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	2.99	0.00199	8.19	0.00659
6.425-6.525GHz	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-2.72	0.00053	2.48	0.00177
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	0.19	0.00104	5.39	0.00346
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	2.97	0.00198	8.17	0.00656
6.525-6.875GHz	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-2.62	0.00055	2.58	0.00181
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	0.41	0.00110	5.61	0.00364
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	2.98	0.00199	8.18	0.00658
6.875-7.125GHz	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-2.46	0.00057	2.74	0.00188
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	0.34	0.00108	5.54	0.00358
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	2.98	0.00199	8.18	0.00658

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5955MHz	Pass	5.20	-2.83	-2.83	Inf	2.37	24.00
6175MHz	Pass	5.20	-2.76	-2.76	Inf	2.44	24.00
6415MHz	Pass	5.20	-2.61	-2.61	Inf	2.59	24.00
6435MHz	Pass	5.20	-2.73	-2.73	Inf	2.47	24.00
6475MHz	Pass	5.20	-2.72	-2.72	Inf	2.48	24.00
6515MHz	Pass	5.20	-2.83	-2.83	Inf	2.37	24.00
6535MHz	Pass	5.20	-2.82	-2.82	Inf	2.38	24.00
6715MHz	Pass	5.20	-2.83	-2.83	Inf	2.37	24.00
6855MHz	Pass	5.20	-2.62	-2.62	Inf	2.58	24.00
6875MHz Straddle 6.525-6.875GHz	Pass	5.20	-2.77	-2.77	Inf	2.43	24.00
6895MHz	Pass	5.20	-2.83	-2.83	Inf	2.37	24.00
7015MHz	Pass	5.20	-2.46	-2.46	Inf	2.74	24.00
7095MHz	Pass	5.20	-2.71	-2.71	Inf	2.49	24.00
7115MHz	Pass	5.20	-2.46	-2.46	Inf	2.74	24.00
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5955MHz	Pass	5.20	0.22	0.22	Inf	5.42	24.00
6175MHz	Pass	5.20	0.16	0.16	Inf	5.36	24.00
6415MHz	Pass	5.20	0.04	0.04	Inf	5.24	24.00
6435MHz	Pass	5.20	0.14	0.14	Inf	5.34	24.00
6475MHz	Pass	5.20	0.19	0.19	Inf	5.39	24.00
6515MHz	Pass	5.20	0.14	0.14	Inf	5.34	24.00
6535MHz	Pass	5.20	0.41	0.41	Inf	5.61	24.00
6715MHz	Pass	5.20	0.28	0.28	Inf	5.48	24.00
6855MHz	Pass	5.20	0.23	0.23	Inf	5.43	24.00
6875MHz Straddle 6.525-6.875GHz	Pass	5.20	0.29	0.29	Inf	5.49	24.00
6895MHz	Pass	5.20	0.29	0.29	Inf	5.49	24.00
7015MHz	Pass	5.20	0.21	0.21	Inf	5.41	24.00
7095MHz	Pass	5.20	0.34	0.34	Inf	5.54	24.00
7115MHz	Pass	5.20	0.22	0.22	Inf	5.42	24.00
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-
5955MHz	Pass	5.20	2.99	2.99	Inf	8.19	24.00
6175MHz	Pass	5.20	2.85	2.85	Inf	8.05	24.00
6415MHz	Pass	5.20	2.78	2.78	Inf	7.98	24.00
6435MHz	Pass	5.20	2.86	2.86	Inf	8.06	24.00
6475MHz	Pass	5.20	2.97	2.97	Inf	8.17	24.00
6515MHz	Pass	5.20	2.96	2.96	Inf	8.16	24.00
6535MHz	Pass	5.20	2.98	2.98	Inf	8.18	24.00

**Conducted Output Power(Average)****Appendix B**

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	EIRP (dBm)	EIRP Limit (dBm)
6715MHz	Pass	5.20	2.74	2.74	Inf	7.94	24.00
6855MHz	Pass	5.20	2.71	2.71	Inf	7.91	24.00
6875MHz Straddle 6.525-6.875GHz	Pass	5.20	2.75	2.75	Inf	7.95	24.00
6895MHz	Pass	5.20	2.98	2.98	Inf	8.18	24.00
7015MHz	Pass	5.20	2.86	2.86	Inf	8.06	24.00
7095MHz	Pass	5.20	2.79	2.79	Inf	7.99	24.00
7115MHz	Pass	5.20	2.84	2.84	Inf	8.04	24.00

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

Summary

Mode	PD (dBm/RBW)	EIRP PD (dBm/RBW)
5.925-6.425GHz	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-6.42	-1.22
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	-6.63	-1.43
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-6.40	-1.20
6.425-6.525GHz	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-6.47	-1.27
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	-6.49	-1.29
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-6.41	-1.21
6.525-6.875GHz	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-6.39	-1.19
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	-6.36	-1.16
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-6.40	-1.20
6.875-7.125GHz	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	-6.36	-1.16
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	-6.44	-1.24
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-6.40	-1.20

RBW = 1MHz

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX							
5955MHz	Pass	5.20	-6.59	-6.59	Inf	-1.39	-1.00
6175MHz	Pass	5.20	-6.58	-6.58	Inf	-1.38	-1.00
6415MHz	Pass	5.20	-6.42	-6.42	Inf	-1.22	-1.00
6435MHz	Pass	5.20	-6.47	-6.47	Inf	-1.27	-1.00
6475MHz	Pass	5.20	-6.54	-6.54	Inf	-1.34	-1.00
6515MHz	Pass	5.20	-6.64	-6.64	Inf	-1.44	-1.00
6535MHz	Pass	5.20	-6.62	-6.62	Inf	-1.42	-1.00
6715MHz	Pass	5.20	-6.62	-6.62	Inf	-1.42	-1.00
6855MHz	Pass	5.20	-6.39	-6.39	Inf	-1.19	-1.00
6875MHz Straddle 6.525-6.875GHz	Pass	5.20	-6.56	-6.56	Inf	-1.36	-1.00
6895MHz	Pass	5.20	-6.70	-6.70	Inf	-1.50	-1.00
7015MHz	Pass	5.20	-6.36	-6.36	Inf	-1.16	-1.00
7095MHz	Pass	5.20	-6.68	-6.68	Inf	-1.48	-1.00
7115MHz	Pass	5.20	-6.38	-6.38	Inf	-1.18	-1.00
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX							
5955MHz	Pass	5.20	-6.63	-6.63	Inf	-1.43	-1.00
6175MHz	Pass	5.20	-6.70	-6.70	Inf	-1.50	-1.00
6415MHz	Pass	5.20	-6.68	-6.68	Inf	-1.48	-1.00
6435MHz	Pass	5.20	-6.69	-6.69	Inf	-1.49	-1.00
6475MHz	Pass	5.20	-6.49	-6.49	Inf	-1.29	-1.00
6515MHz	Pass	5.20	-6.58	-6.58	Inf	-1.38	-1.00
6535MHz	Pass	5.20	-6.36	-6.36	Inf	-1.16	-1.00
6715MHz	Pass	5.20	-6.60	-6.60	Inf	-1.40	-1.00
6855MHz	Pass	5.20	-6.60	-6.60	Inf	-1.40	-1.00
6875MHz Straddle 6.525-6.875GHz	Pass	5.20	-6.59	-6.59	Inf	-1.39	-1.00
6895MHz	Pass	5.20	-6.48	-6.48	Inf	-1.28	-1.00
7015MHz	Pass	5.20	-6.54	-6.54	Inf	-1.34	-1.00
7095MHz	Pass	5.20	-6.44	-6.44	Inf	-1.24	-1.00
7115MHz	Pass	5.20	-6.54	-6.54	Inf	-1.34	-1.00
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX							
5955MHz	Pass	5.20	-6.40	-6.40	Inf	-1.20	-1.00
6175MHz	Pass	5.20	-6.56	-6.56	Inf	-1.36	-1.00
6415MHz	Pass	5.20	-6.60	-6.60	Inf	-1.40	-1.00
6435MHz	Pass	5.20	-6.56	-6.56	Inf	-1.36	-1.00
6475MHz	Pass	5.20	-6.46	-6.46	Inf	-1.26	-1.00
6515MHz	Pass	5.20	-6.41	-6.41	Inf	-1.21	-1.00
6535MHz	Pass	5.20	-6.40	-6.40	Inf	-1.20	-1.00
6715MHz	Pass	5.20	-6.60	-6.60	Inf	-1.40	-1.00
6855MHz	Pass	5.20	-6.66	-6.66	Inf	-1.46	-1.00
6875MHz Straddle 6.525-6.875GHz	Pass	5.20	-6.68	-6.68	Inf	-1.48	-1.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)	EIRP PD (dBm/RBW)	EIRP PD Limit (dBm/RBW)
6895MHz	Pass	5.20	-6.40	-6.40	Inf	-1.20	-1.00
7015MHz	Pass	5.20	-6.53	-6.53	Inf	-1.33	-1.00
7095MHz	Pass	5.20	-6.70	-6.70	Inf	-1.50	-1.00
7115MHz	Pass	5.20	-6.55	-6.55	Inf	-1.35	-1.00

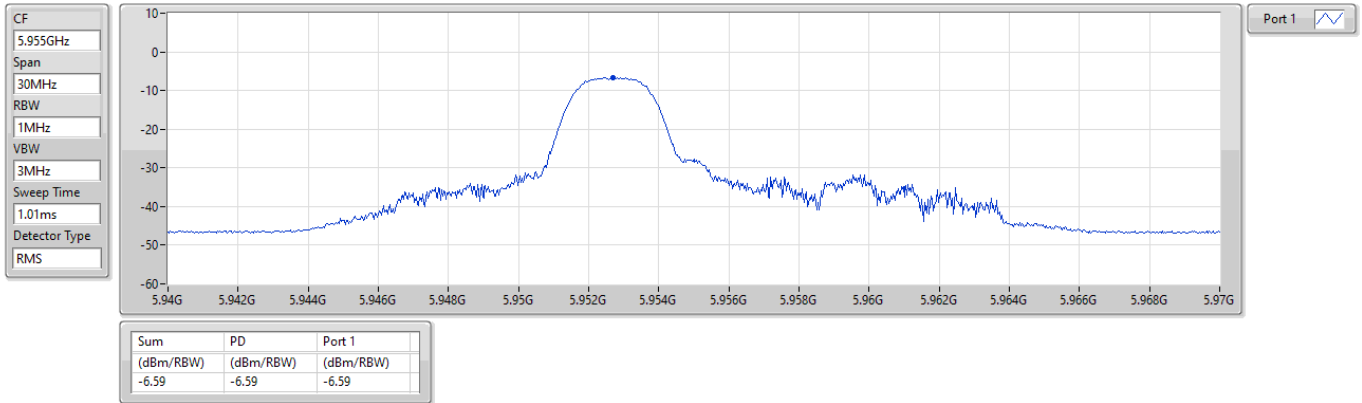
DG = Directional Gain; RBW = 1MHz

PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

5.925-6.425GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

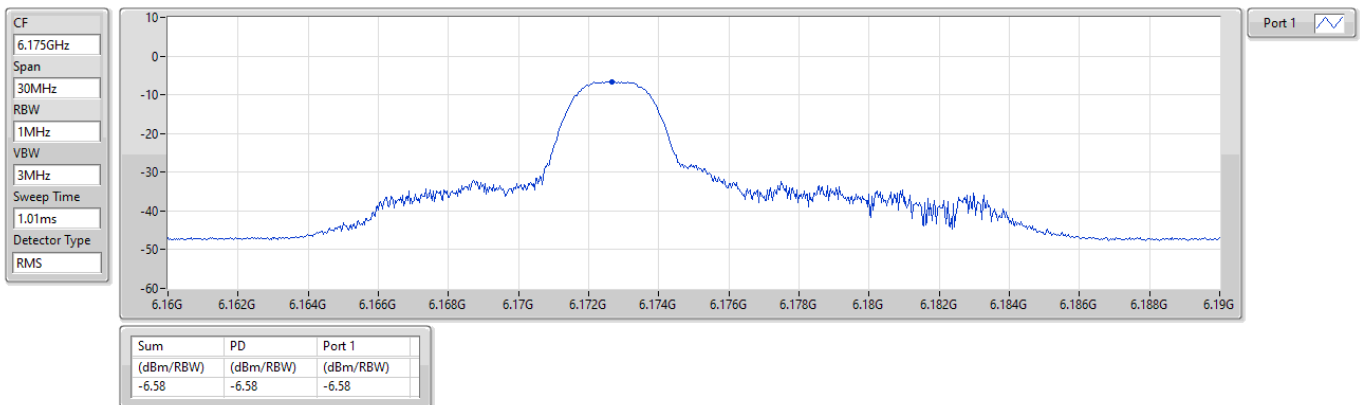
5955MHz



5.925-6.425GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

6175MHz

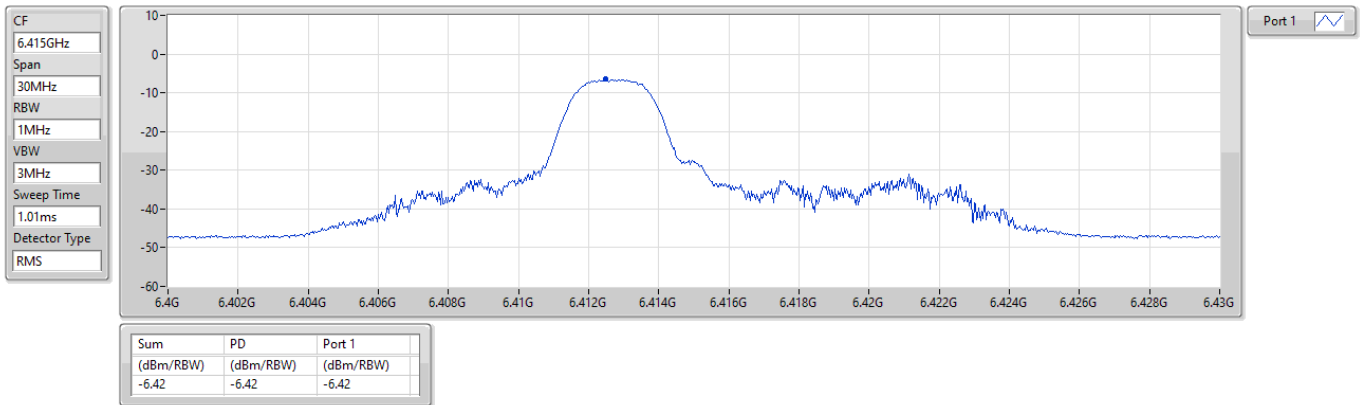




5.925-6.425GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

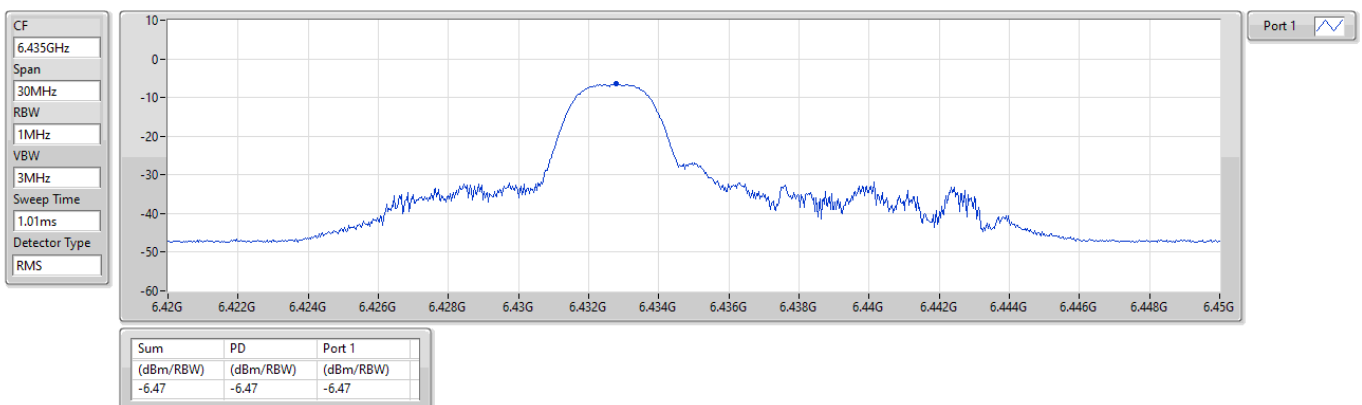
6415MHz



6.425-6.525GHz_802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

6435MHz

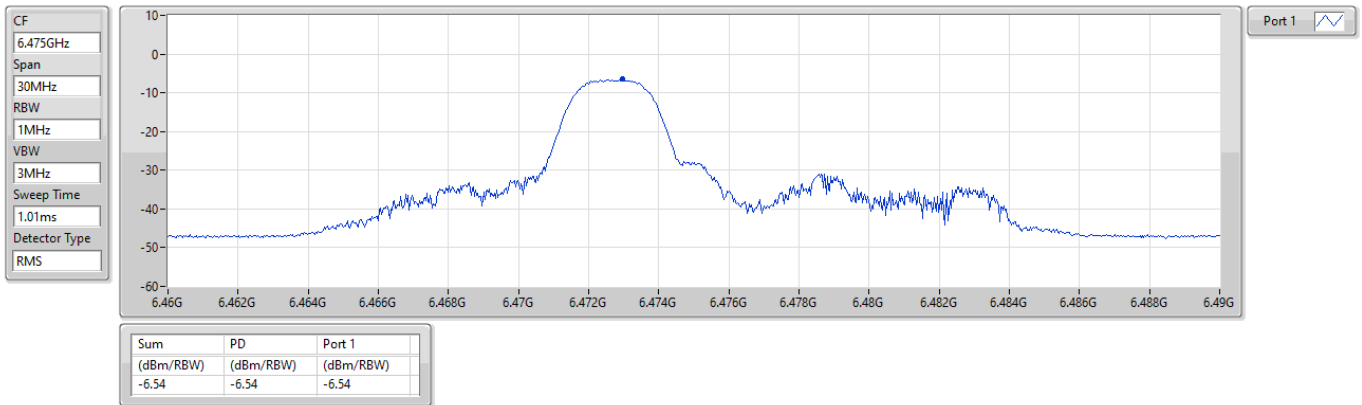




6.425-6.525GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

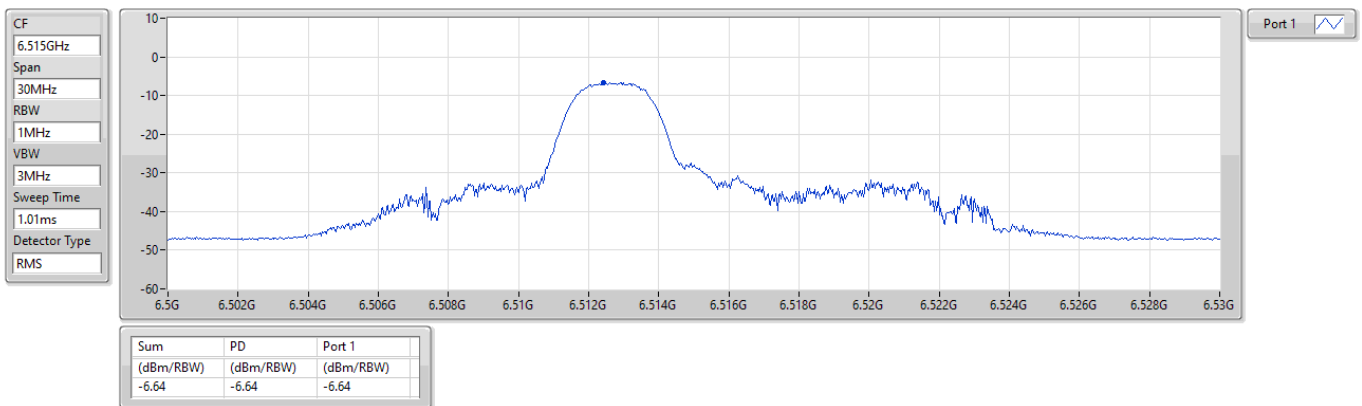
6475MHz



6.425-6.525GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

6515MHz

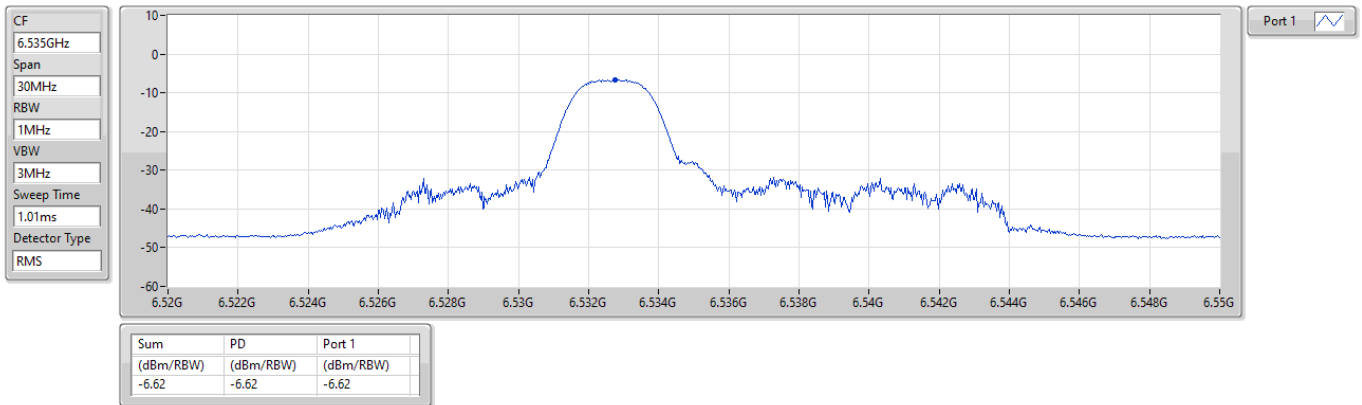




6.525-6.875GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

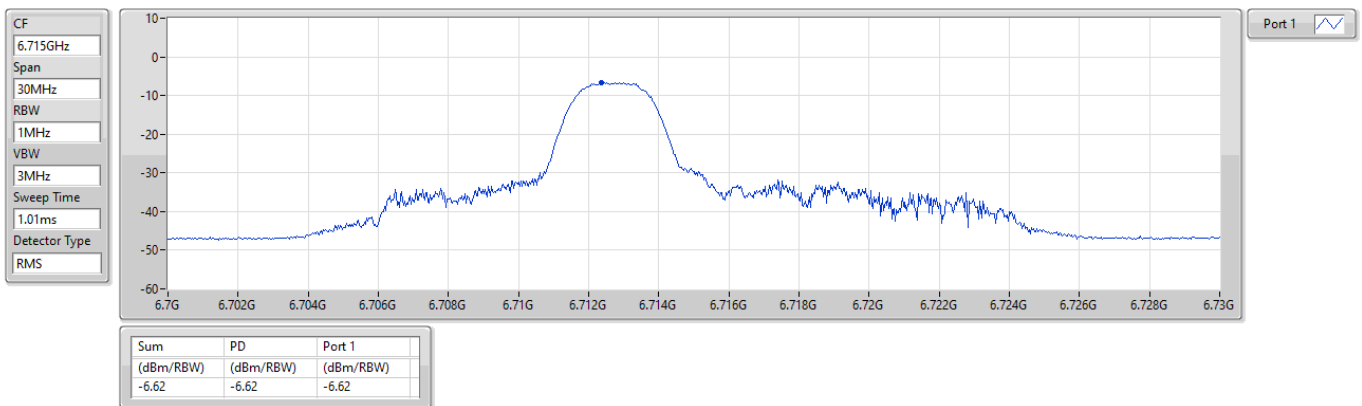
6535MHz



6.525-6.875GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

6715MHz

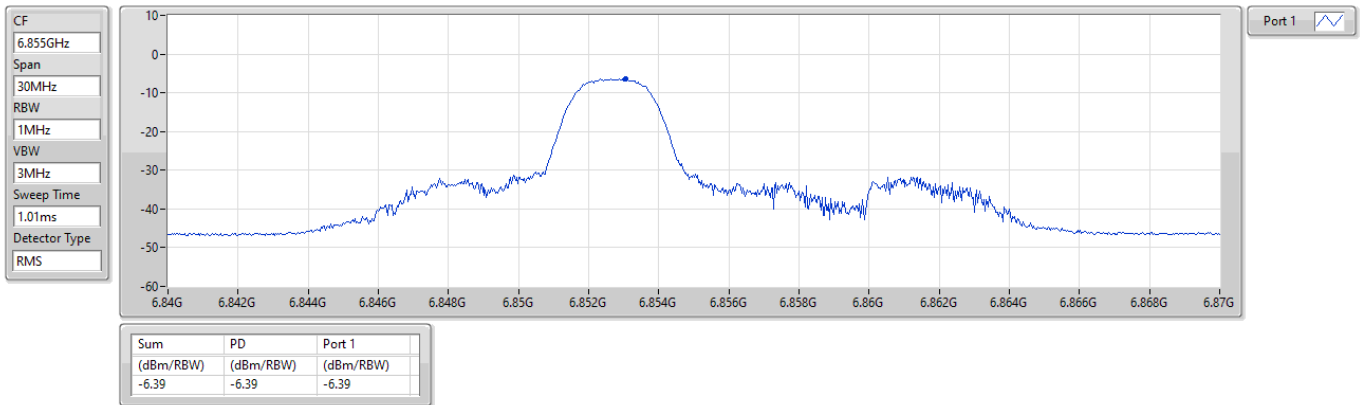




6.525-6.875GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

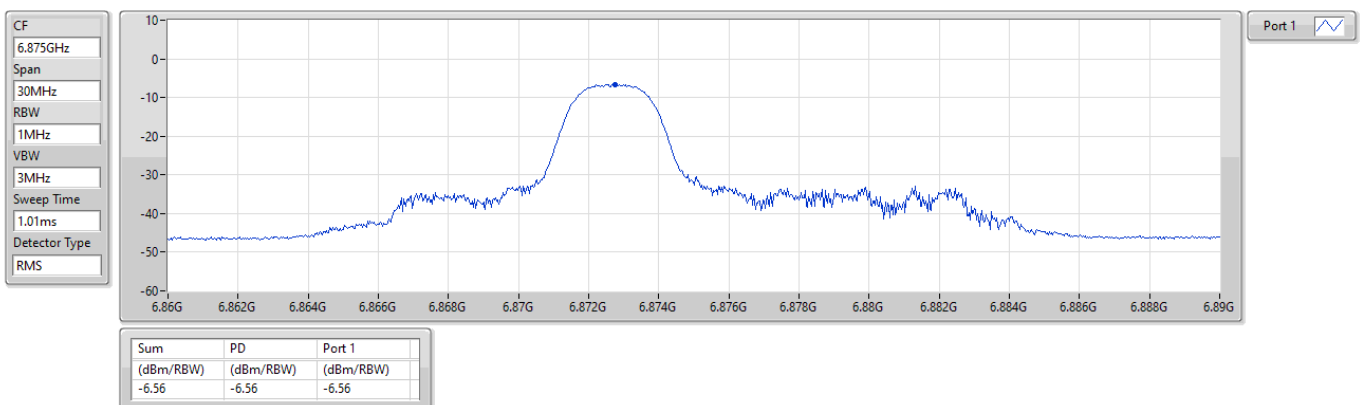
6855MHz



6.525-6.875GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

6875MHz Straddle 6.525-6.875GHz

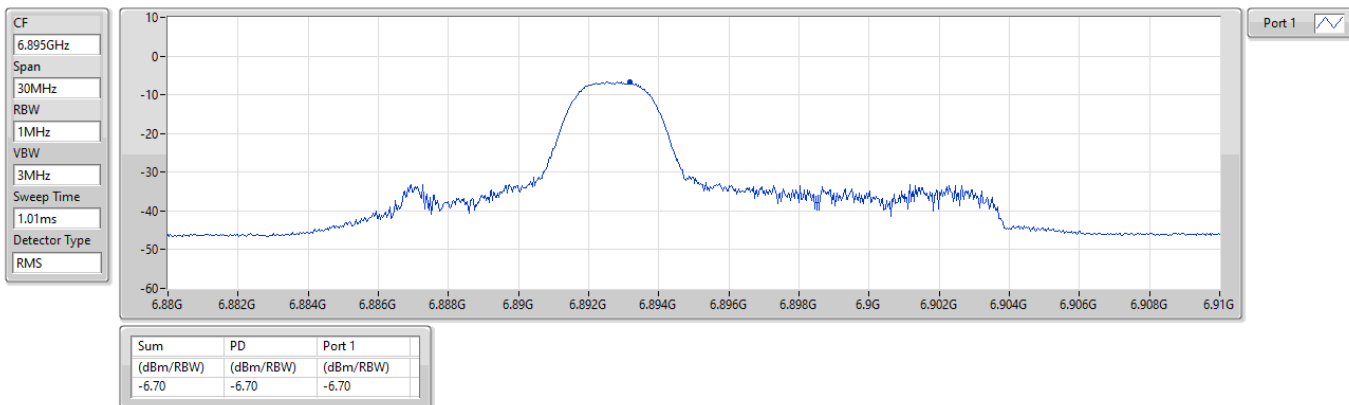




6.875-7.125GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

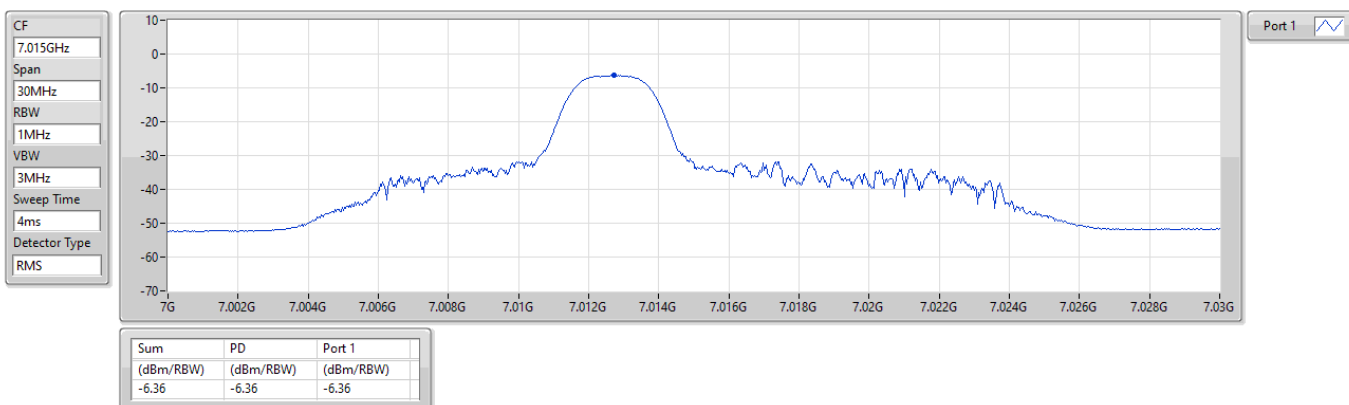
6895MHz



6.875-7.125GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

7015MHz





6.875-7.125GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

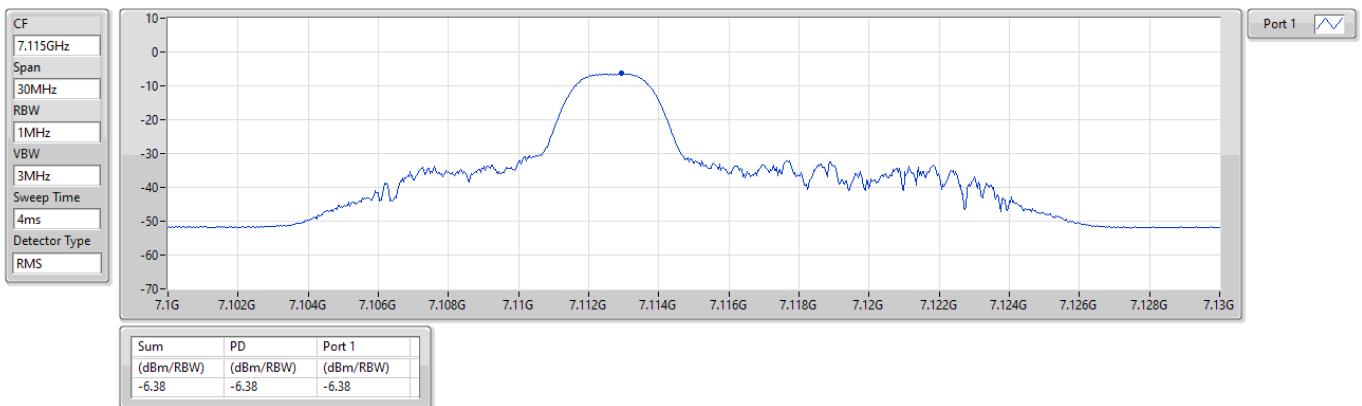
7095MHz



6.875-7.125GHz_802.11ax_HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX

PSD

7115MHz

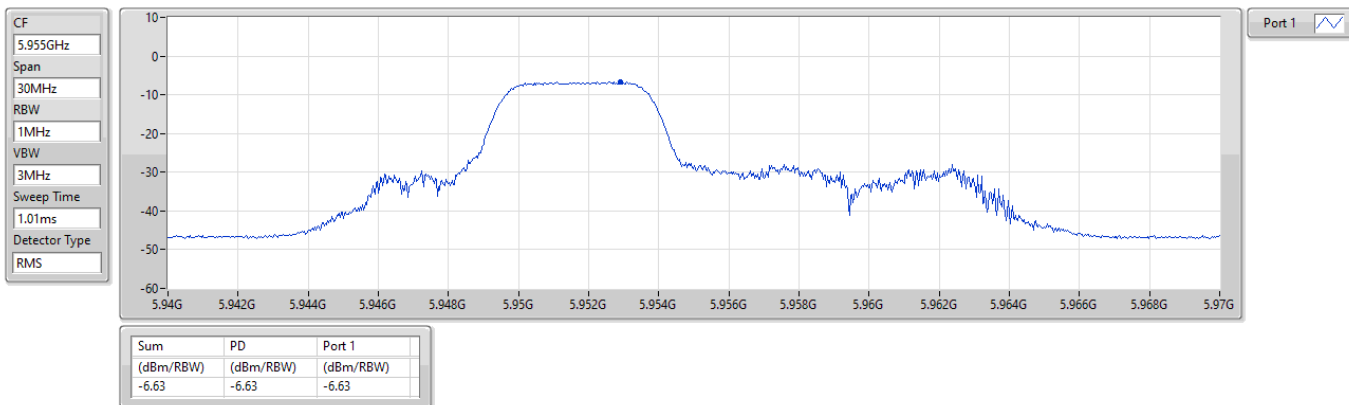




5.925-6.425GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

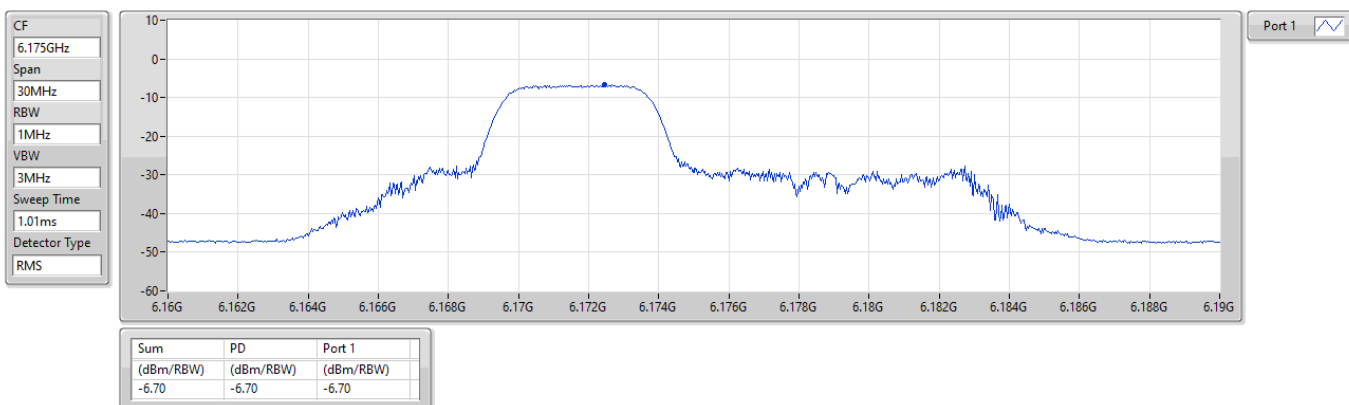
5955MHz



5.925-6.425GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

6175MHz

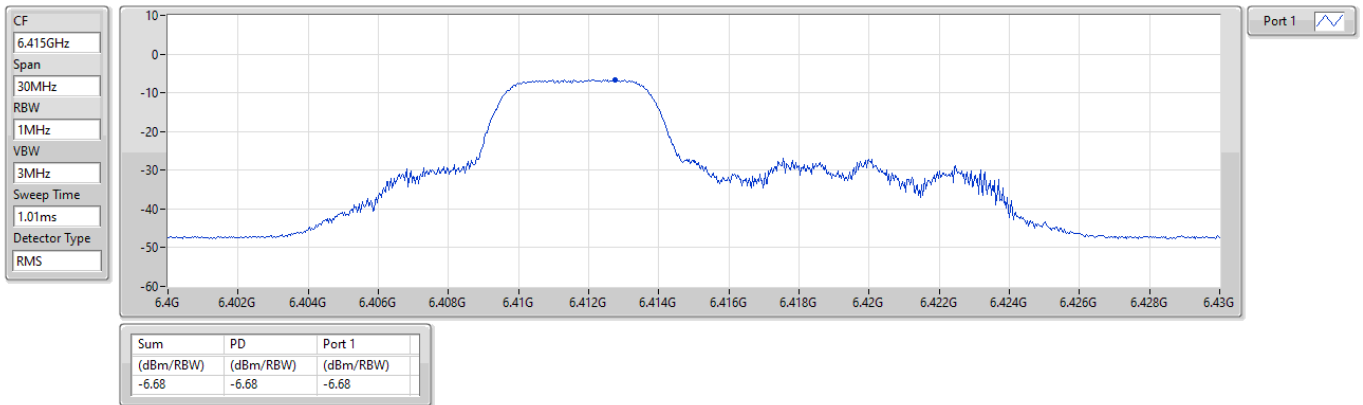




5.925-6.425GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

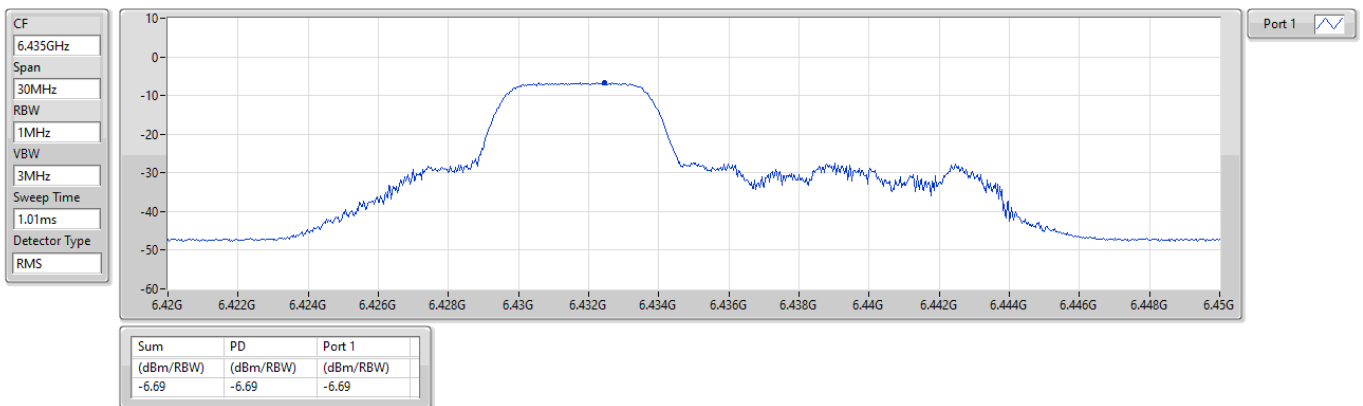
6415MHz



6.425-6.525GHz_802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

6435MHz

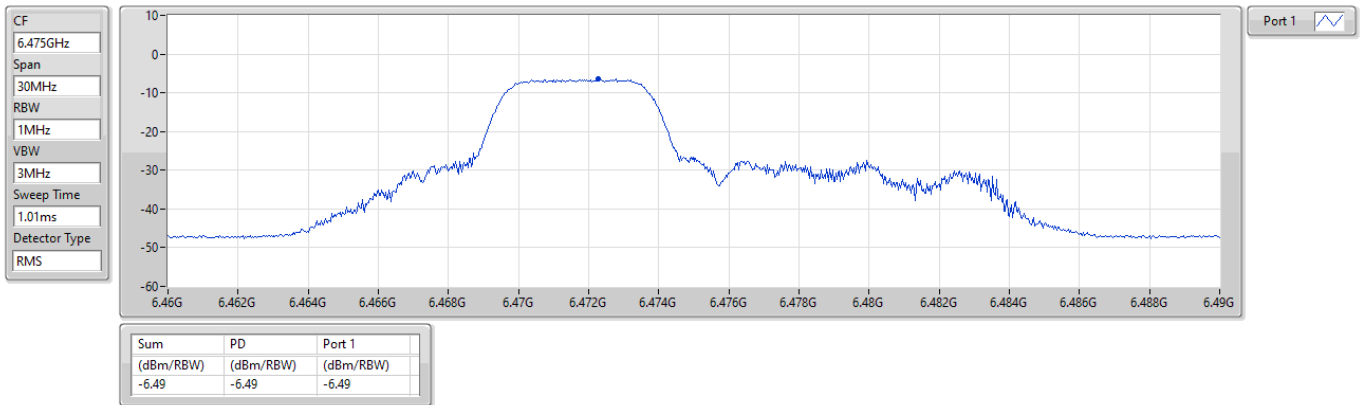




6.425-6.525GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

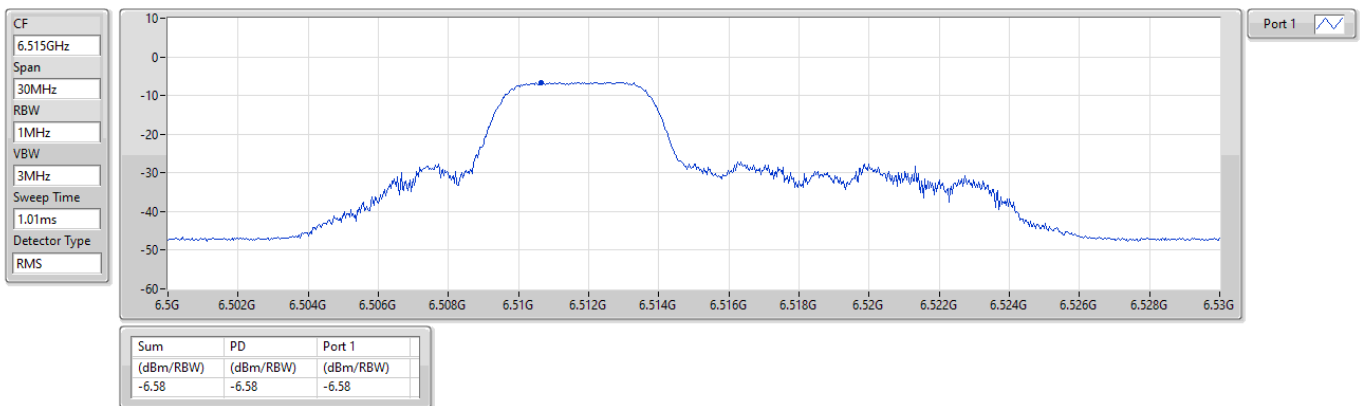
6475MHz



6.425-6.525GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

6515MHz



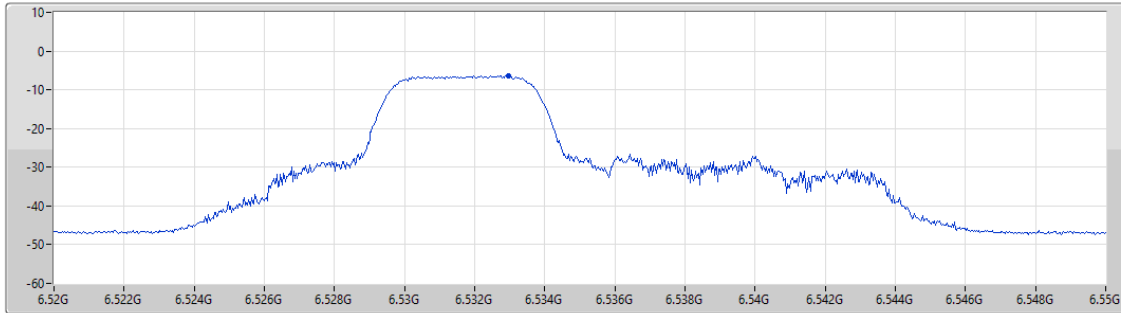


6.525-6.875GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

6535MHz

CF
6.535GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



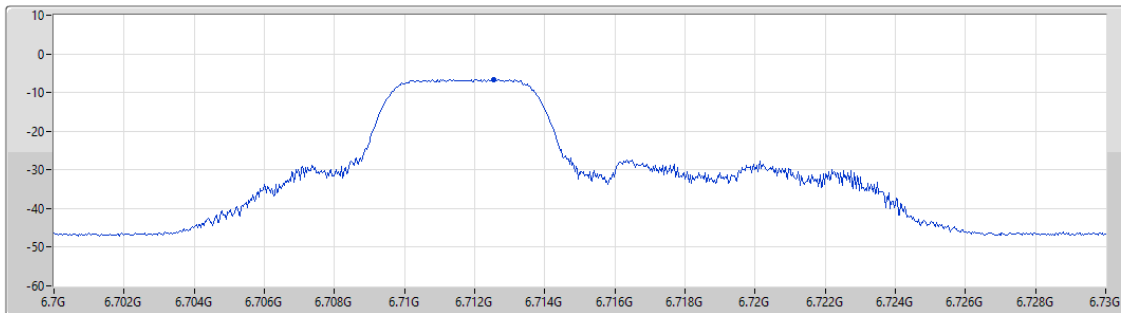
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.36	-6.36	-6.36

6.525-6.875GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

6715MHz

CF
6.715GHz
Span
30MHz
RBW
1MHz
VBW
3MHz
Sweep Time
1.01ms
Detector Type
RMS



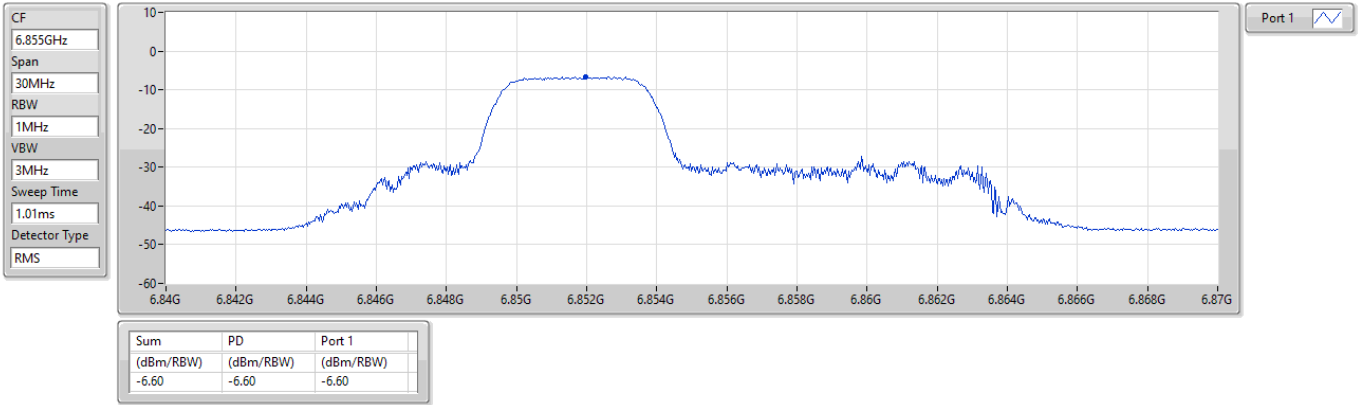
Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.60	-6.60	-6.60



6.525-6.875GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

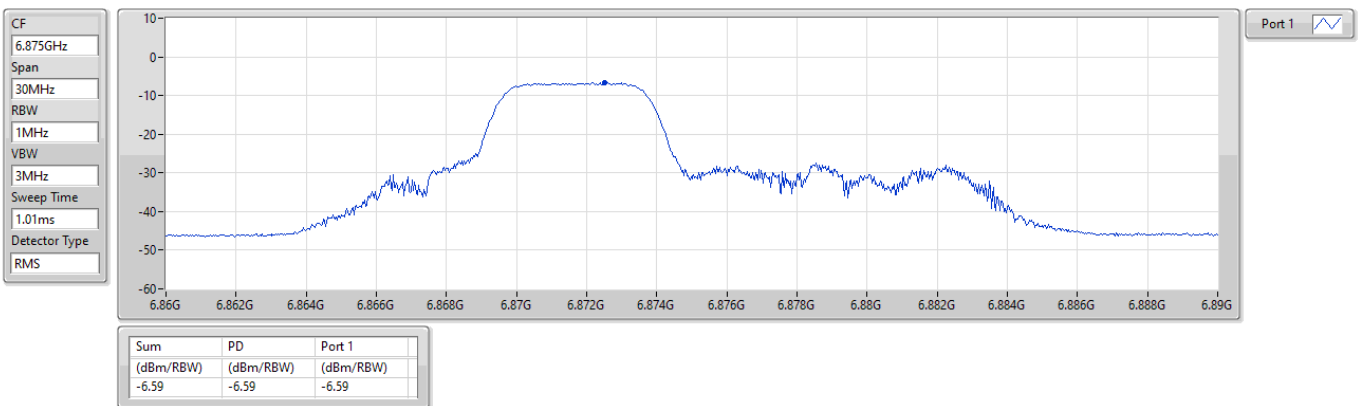
6855MHz



6.525-6.875GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

6875MHz Straddle 6.525-6.875GHz

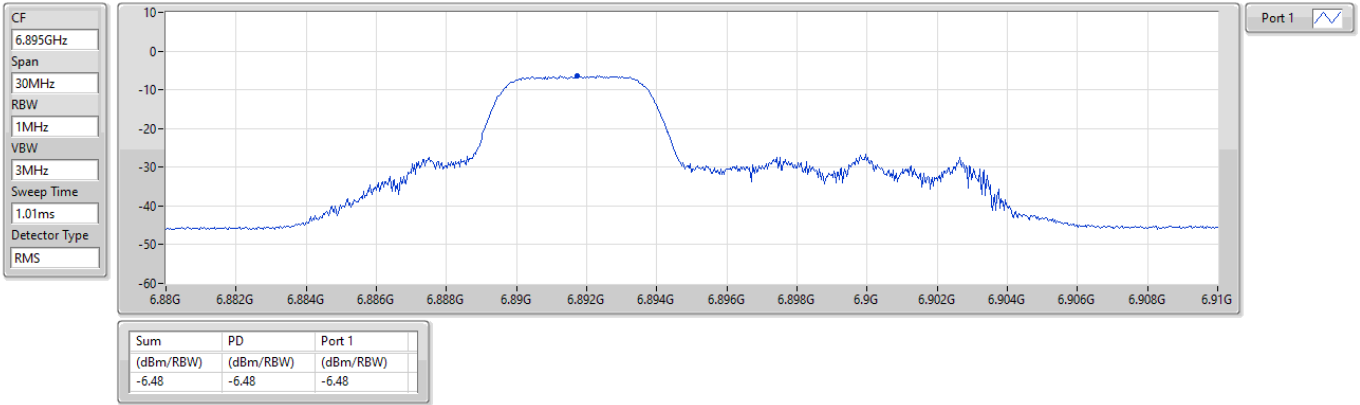




6.875-7.125GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

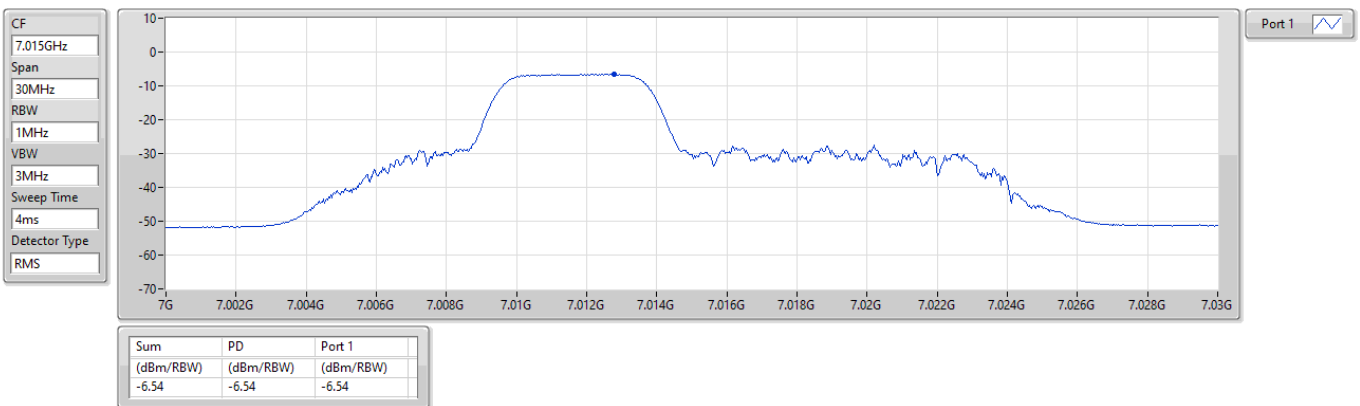
6895MHz



6.875-7.125GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

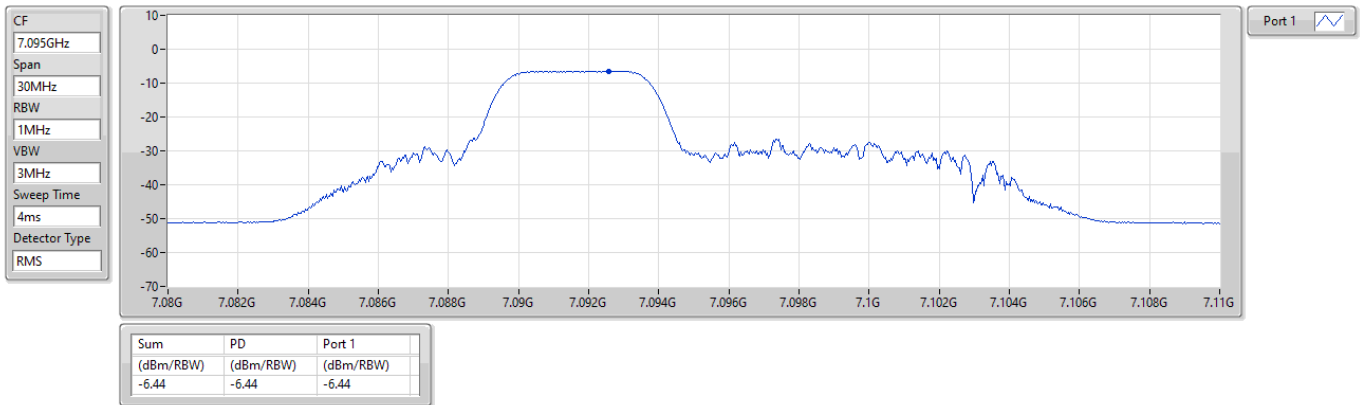
7015MHz



6.875-7.125GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

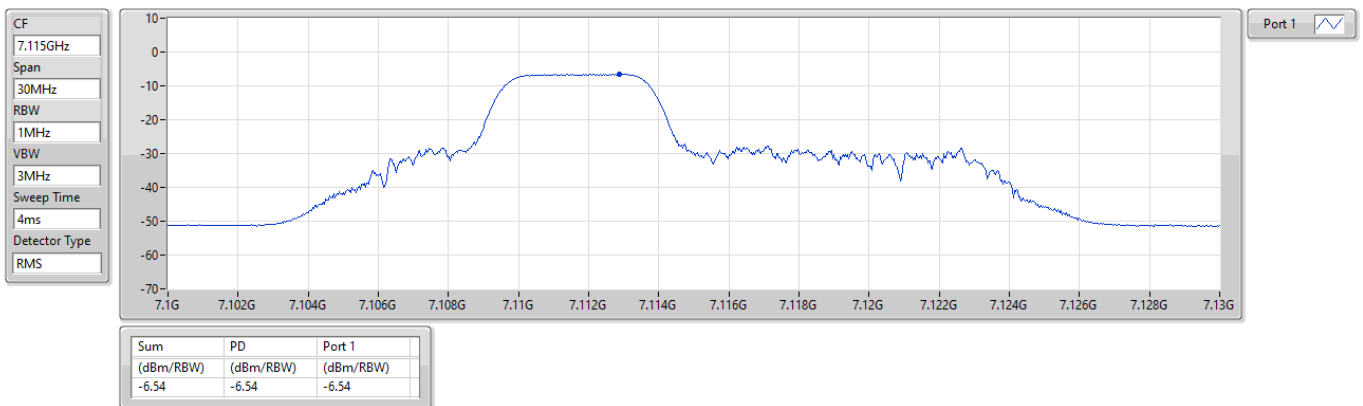
7095MHz



6.875-7.125GHz_802.11ax_HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX

PSD

7115MHz

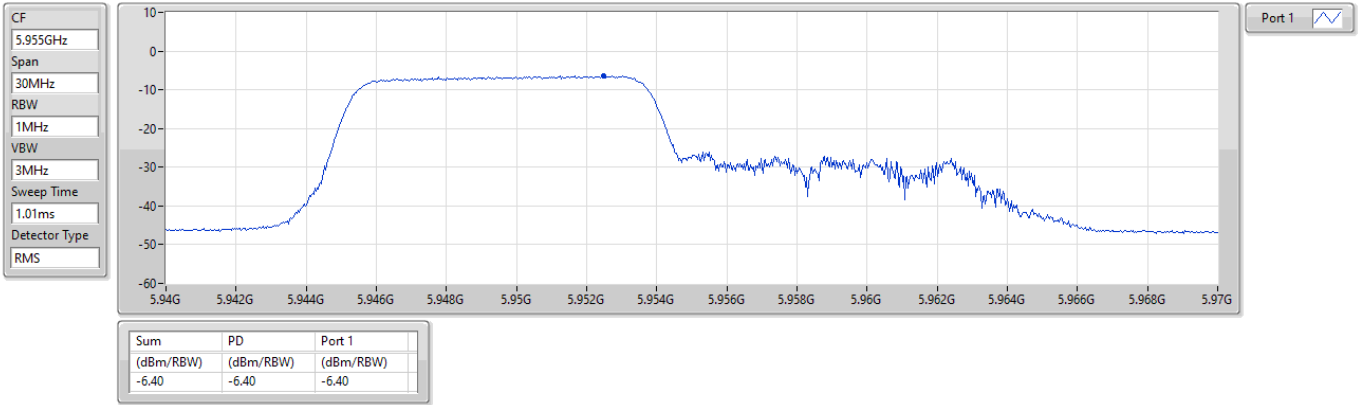




5.925-6.425GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

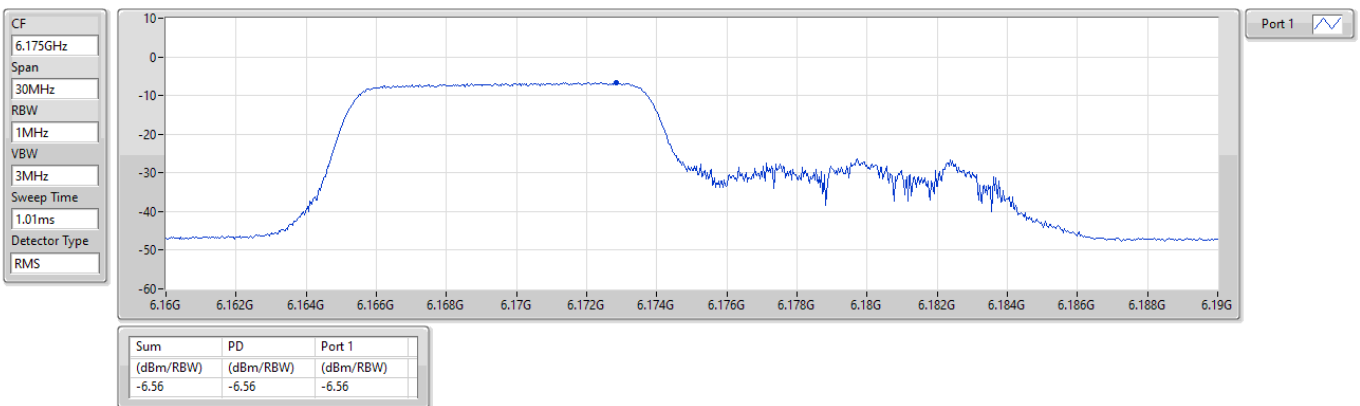
5955MHz



5.925-6.425GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

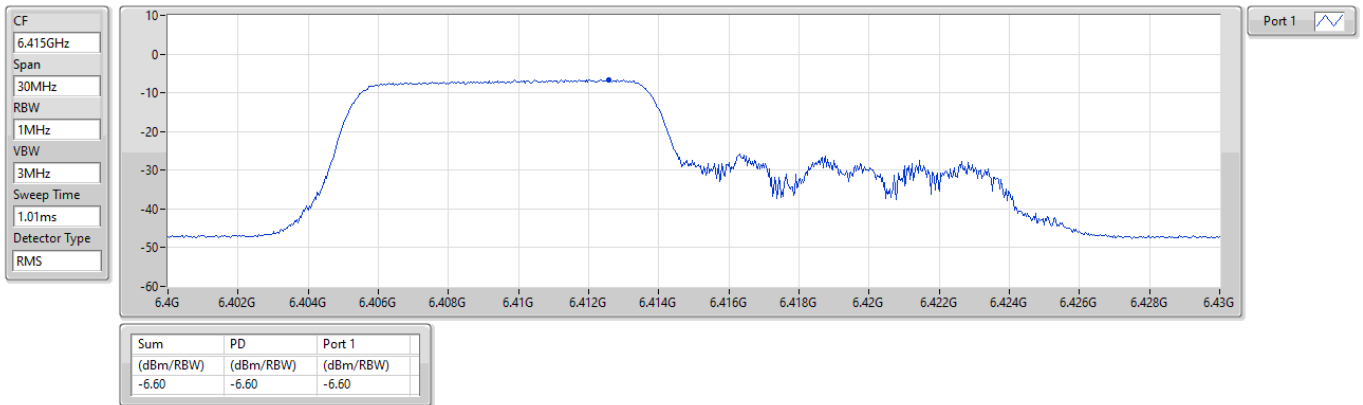
6175MHz



5.925-6.425GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

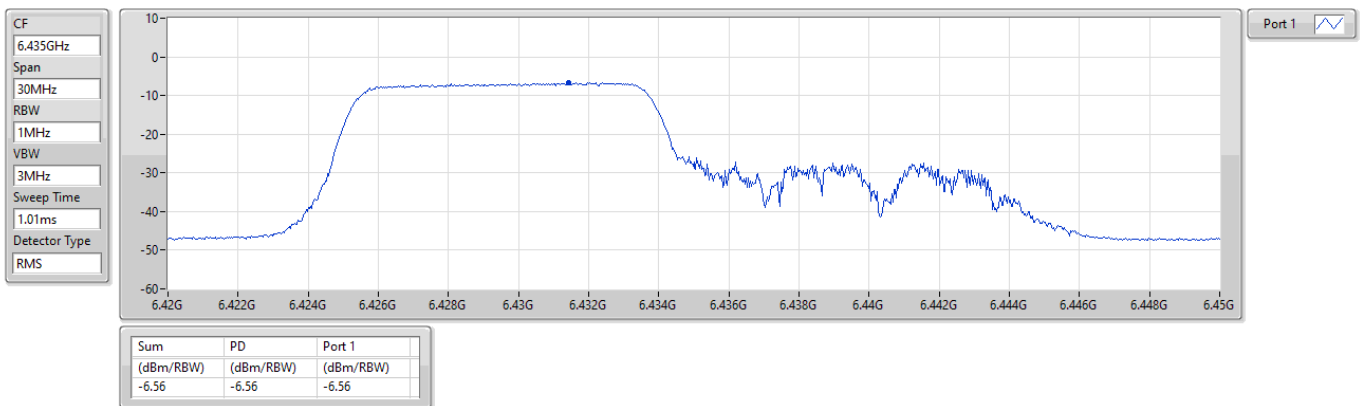
6415MHz



6.425-6.525GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

6435MHz

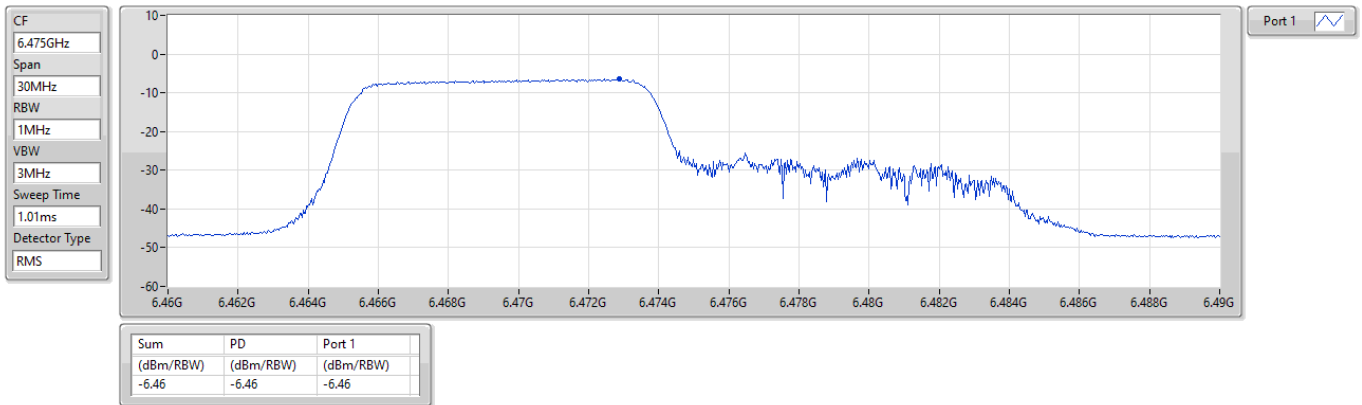




6.425-6.525GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

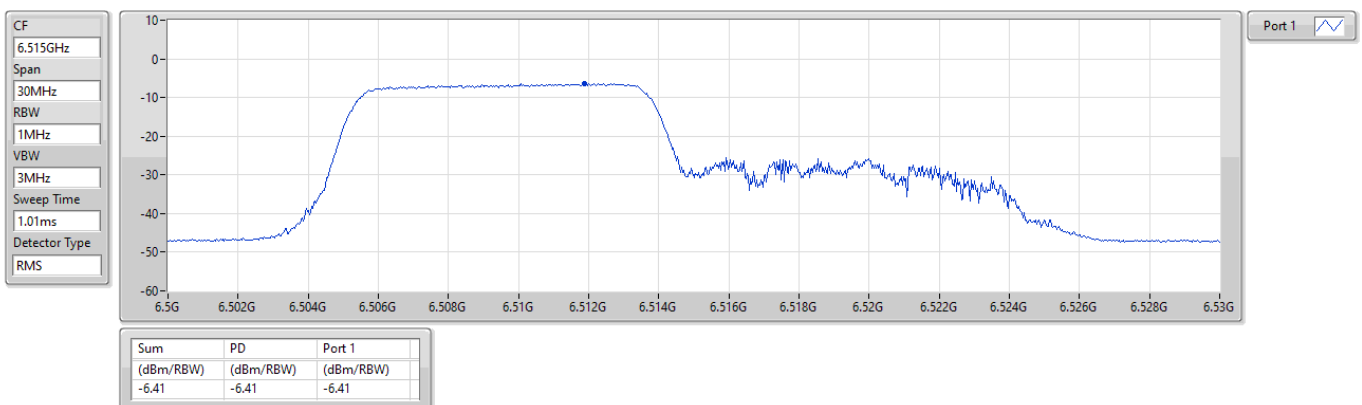
6475MHz



6.425-6.525GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

6515MHz

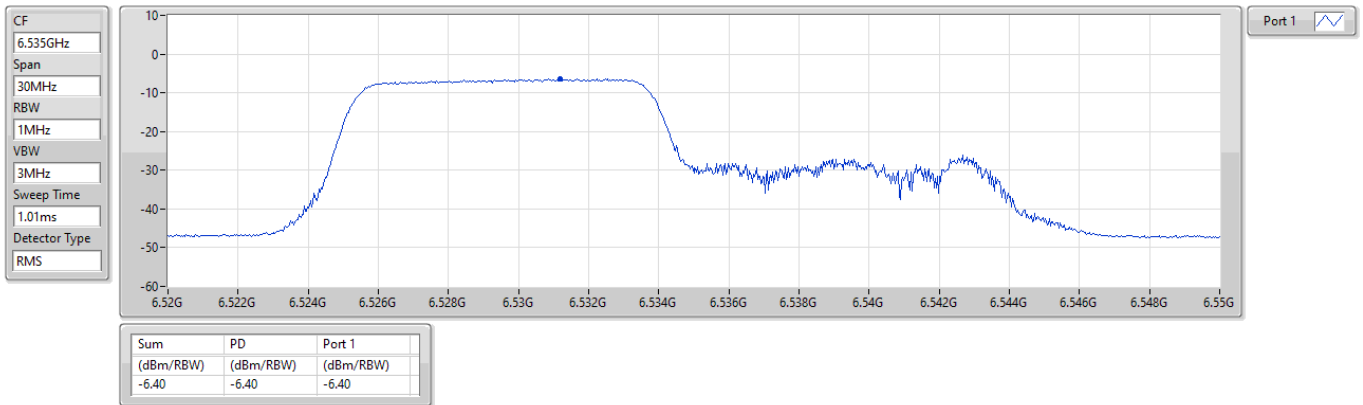




6.525-6.875GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

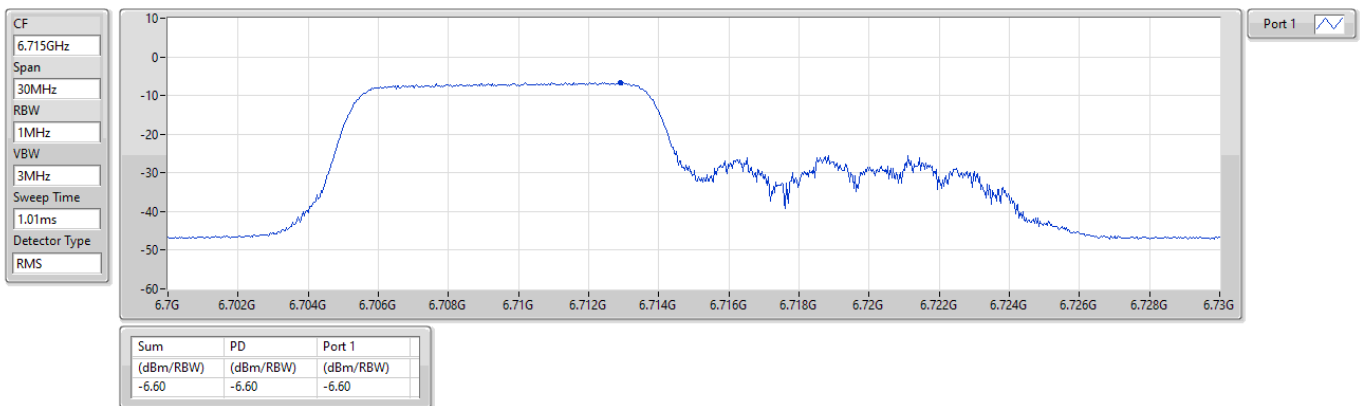
6535MHz



6.525-6.875GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

6715MHz

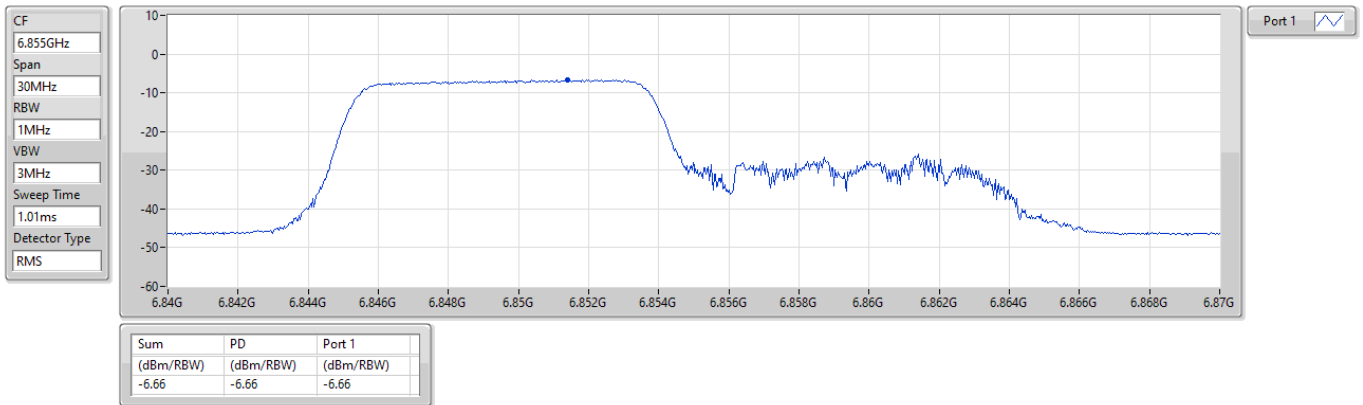




6.525-6.875GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

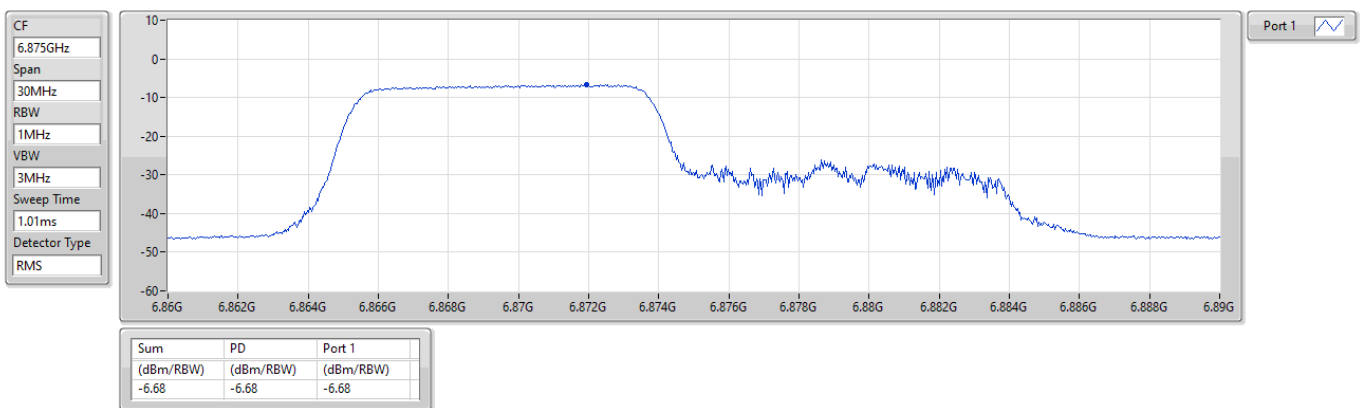
6855MHz



6.525-6.875GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

6875MHz Straddle 6.525-6.875GHz

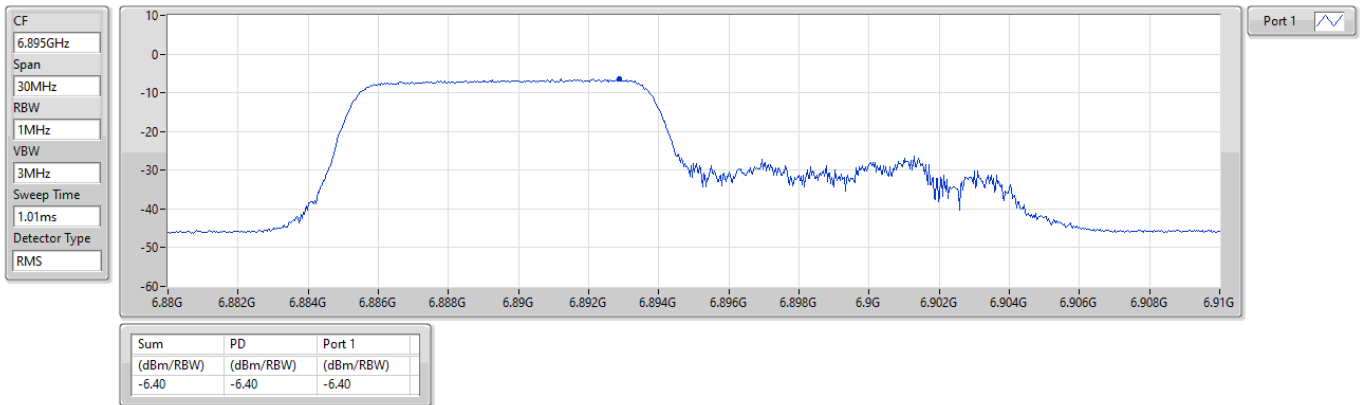




6.875-7.125GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

6895MHz



6.875-7.125GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

7015MHz

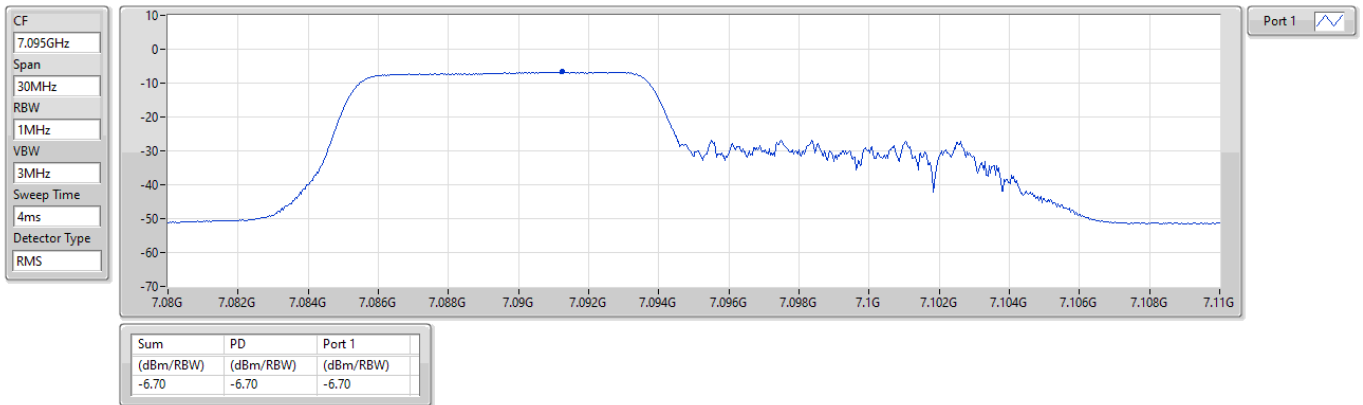




6.875-7.125GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

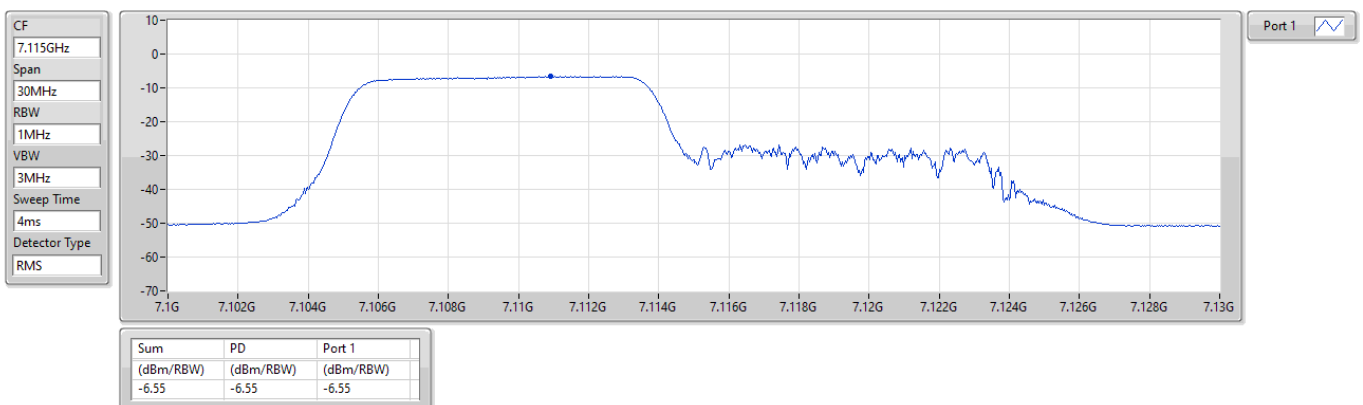
7095MHz



6.875-7.125GHz_802.11ax_HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX

PSD

7115MHz





Summary

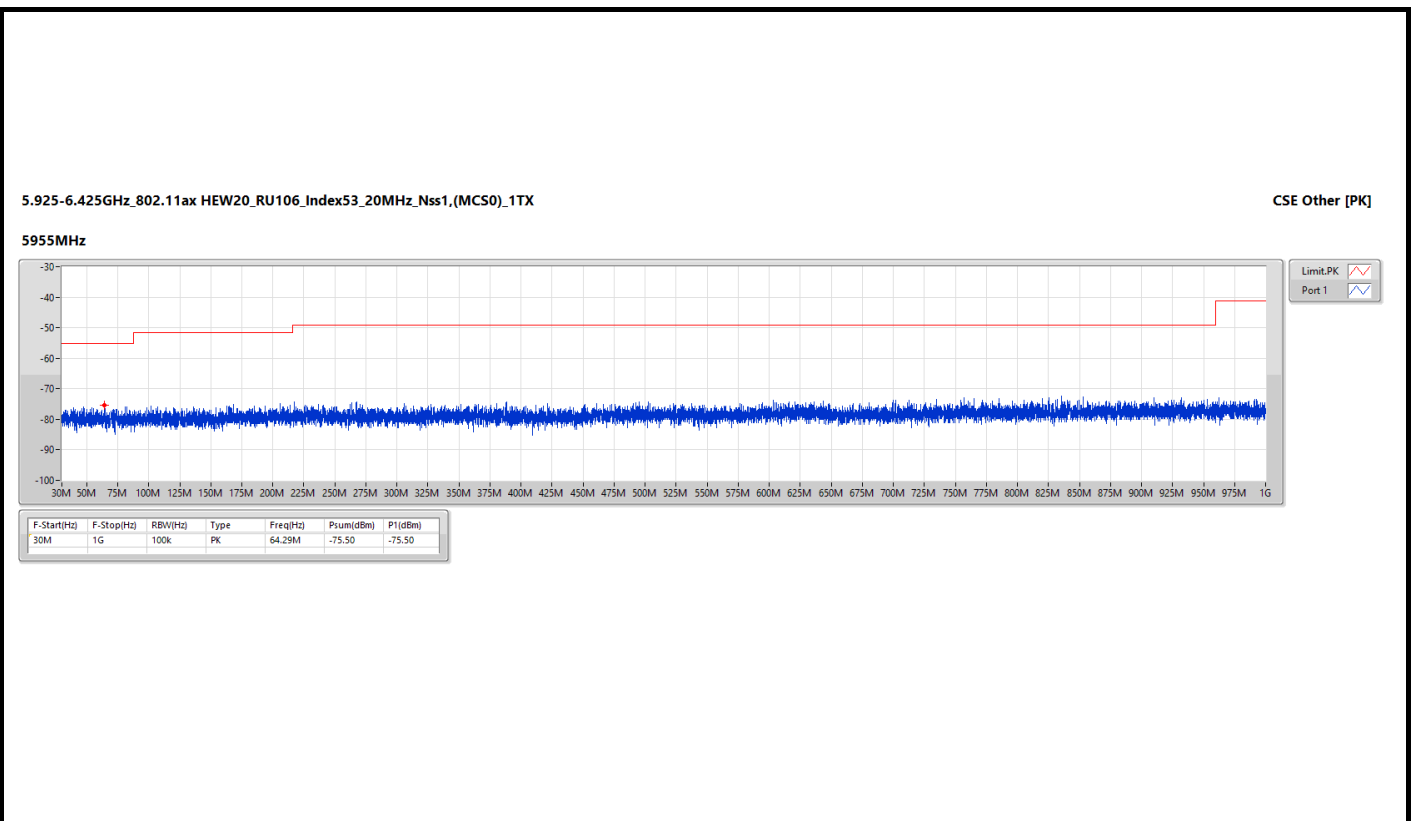
Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	DG (dBi)	P1 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.925-6.425GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	Pass	30M	1G	PK	5.20	-75.50	-75.50	4.7	-65.60	-55.20	-10.40

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	GRF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-
5955MHz	Pass	30M	1G	PK	64.29M	5.20	-75.50	-75.50	4.7	-65.60	-55.20	-10.40

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX



Summary

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
5.925-6.425GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-59.11	-59.11	-53.91	-41.20	-12.71
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-59.27	-59.27	-54.07	-41.20	-12.87
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-59.42	-59.42	-54.22	-41.20	-13.02
6.425-6.525GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-58.86	-58.86	-53.66	-41.20	-12.46
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-59.10	-59.10	-53.90	-41.20	-12.70
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-59.20	-59.20	-54.00	-41.20	-12.80
6.525-6.875GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-53.51	-53.51	-48.31	-41.20	-7.11
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-53.35	-53.35	-48.15	-41.20	-6.95
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-53.28	-53.28	-48.08	-41.20	-6.88
6.875-7.125GHz	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-50.39	-50.39	-45.19	-41.20	-3.99
802.11ax HEW20_RU52_Index38_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-50.34	-50.34	-45.14	-41.20	-3.94
802.11ax HEW20_RU106_Index53_20MHz_Nss1,(MCS0)_1TX	Pass	1G	5G	AV	5.20	-50.48	-50.48	-45.28	-41.20	-4.08

DG = Directional Gain ; PX=Port X; Psum=P1+P2+...PX

Result

Mode	Result	F-Start (Hz)	F-Stop (Hz)	Type	Freq (Hz)	DG (dBi)	P1 (dBm)	Psum (dBm)	EIRP (dBm)	Limit (dBm)	Margin (dB)
802.11ax HEW20_RU26_Index3_20MHz_Nss1,(MCS0)_1TX											
5955MHz	Pass	1G	5G	AV	3.97G	5.20	-61.88	-61.88	-56.68	-41.20	-15.48
5955MHz	Pass	1G	5G	AV	5G	5.20	-74.27	-74.27	-69.07	-41.20	-27.87
5955MHz	Pass	1G	5G	PK	3.9705G	5.20	-59.55	-59.55	-54.35	-21.20	-33.15
5955MHz	Pass	1G	5G	PK	5G	5.20	-64.97	-64.97	-59.77	-21.20	-38.57
6175MHz	Pass	1G	5G	AV	4.117G	5.20	-59.11	-59.11	-53.91	-41.20	-12.71
6175MHz	Pass	1G	5G	AV	5G	5.20	-73.97	-73.97	-68.77	-41.20	-27.57
6175MHz	Pass	1G	5G	PK	4.117G	5.20	-57.32	-57.32	-52.12	-21.20	-30.92
6175MHz	Pass	1G	5G	PK	5G	5.20	-66.65	-66.65	-61.45	-21.20	-40.25
6415MHz	Pass	1G	5G	AV	4.277G	5.20	-63.11	-63.11	-57.91	-41.20	-16.71
6415MHz	Pass	1G	5G	AV	5G	5.20	-73.69	-73.69	-68.49	-41.20	-27.29
6415MHz	Pass	1G	5G	PK	4.277G	5.20	-59.30	-59.30	-54.10	-21.20	-32.90
6415MHz	Pass	1G	5G	PK	5G	5.20	-66.41	-66.41	-61.21	-21.20	-40.01
6435MHz	Pass	1G	5G	AV	4.29G	5.20	-61.70	-61.70	-56.50	-41.20	-15.30
6435MHz	Pass	1G	5G	AV	5G	5.20	-74.27	-74.27	-69.07	-41.20	-27.87
6435MHz	Pass	1G	5G	PK	4.2905G	5.20	-59.00	-59.00	-53.80	-21.20	-32.60
6435MHz	Pass	1G	5G	PK	5G	5.20	-65.60	-65.60	-60.40	-21.20	-39.20
6475MHz	Pass	1G	5G	AV	4.317G	5.20	-60.35	-60.35	-55.15	-41.20	-13.95
6475MHz	Pass	1G	5G	AV	5G	5.20	-73.97	-73.97	-68.77	-41.20	-27.57
6475MHz	Pass	1G	5G	PK	4.317G	5.20	-57.97	-57.97	-52.77	-21.20	-31.57
6475MHz	Pass	1G	5G	PK	5G	5.20	-66.17	-66.17	-60.97	-21.20	-39.77
6515MHz	Pass	1G	5G	AV	4.3435G	5.20	-58.86	-58.86	-53.66	-41.20	-12.46
6515MHz	Pass	1G	5G	AV	5G	5.20	-74.27	-74.27	-69.07	-41.20	-27.87
6515MHz	Pass	1G	5G	PK	4.344G	5.20	-57.50	-57.50	-52.30	-21.20	-31.10
6515MHz	Pass	1G	5G	PK	5G	5.20	-65.82	-65.82	-60.62	-21.20	-39.42
6535MHz	Pass	1G	5G	AV	4.357G	5.20	-59.94	-59.94	-54.74	-41.20	-13.54
6535MHz	Pass	1G	5G	AV	5G	5.20	-73.97	-73.97	-68.77	-41.20	-27.57
6535MHz	Pass	1G	5G	PK	4.357G	5.20	-58.18	-58.18	-52.98	-21.20	-31.78
6535MHz	Pass	1G	5G	PK	5G	5.20	-66.41	-66.41	-61.21	-21.20	-40.01
6715MHz	Pass	1G	5G	AV	4.477G	5.20	-55.25	-55.25	-50.05	-27.00	-23.05
6715MHz	Pass	1G	5G	AV	5G	5.20	-73.97	-73.97	-68.77	-41.20	-27.57
6715MHz	Pass	1G	5G	PK	4.1155G	5.20	-62.90	-62.90	-57.70	-21.20	-36.50
6715MHz	Pass	1G	5G	PK	5G	5.20	-65.71	-65.71	-60.51	-21.20	-39.31
6855MHz	Pass	1G	5G	AV	4.57G	5.20	-53.78	-53.78	-48.58	-41.20	-7.38
6855MHz	Pass	1G	5G	AV	5G	5.20	-74.27	-74.27	-69.07	-41.20	-27.87
6855MHz	Pass	1G	5G	PK	4.5705G	5.20	-52.44	-52.44	-47.24	-21.20	-26.04
6855MHz	Pass	1G	5G	PK	5G	5.20	-65.94	-65.94	-60.74	-21.20	-39.54
6875MHz Straddle 6.525-6.875GHz	Pass	1G	5G	AV	4.5835G	5.20	-53.51	-53.51	-48.31	-41.20	-7.11
6875MHz Straddle 6.525-6.875GHz	Pass	1G	5G	AV	5G	5.20	-73.69	-73.69	-68.49	-41.20	-27.29
6875MHz Straddle 6.525-6.875GHz	Pass	1G	5G	PK	4.584G	5.20	-51.98	-51.98	-46.78	-21.20	-25.58
6875MHz Straddle 6.525-6.875GHz	Pass	1G	5G	PK	5G	5.20	-65.71	-65.71	-60.51	-21.20	-39.31
6895MHz	Pass	1G	5G	AV	4.597G	5.20	-53.31	-53.31	-48.11	-41.20	-6.91