FCC RADIO TEST REPORT

FCC ID	:	QXO-AP410
Equipment	:	Wireless Access Point
Brand Name	:	Extreme Networks, Inc.
Model Name	:	AP410i, AP410e
Applicant	:	Extreme Networks, Inc. 6480 Via Del Oro, San Jose, CA 95119, United States
Manufacturer	:	Extreme Networks, Inc. 6480 Via Del Oro, San Jose, CA 95119, United States
Standard	:	47 CFR FCC Part 15.247

The product was received on Aug. 20, 2019, and testing was started from Sep. 26, 2019 and completed on Nov. 05, 2019. We, SPORTON INTERNATIONAL INC. EMC & Wireless Communications 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 report must not be used by the client to claim product certification, approval, or endorsement by TAF or any agency of government.

The test results in this report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory, the test report shall not be reproduced except in full.

Approved by: Cliff Chang

SPORTON INTERNATIONAL INC. EMC & Wireless Communications Laboratory
No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)

Table of Contents

History of this test report

Report No.	Version	Description	Issued Date
FR970232AC	01	Initial issue of report	Dec. 05, 2019

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	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	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:

1. The test configuration, test mode and test software were written in this test report are declared by the manufacturer.
2. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

Reviewed by: Sam Chen
Report Producer: 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
2400-2483.5	b, g, n (HT20), VHT20, ax (HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax (HEW40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	1TX, 2TX
2.4-2.4835GHz	802.11g	20	1TX, 2TX
2.4-2.4835GHz	802.11n HT20	20	1TX, 2TX
2.4-2.4835GHz	802.11n HT20-BF	20	1TX, 2TX
2.4-2.4835GHz	VHT20	20	1TX, 2TX
2.4-2.4835GHz	VHT20-BF	20	1TX, 2TX
2.4-2.4835GHz	802.11ax HEW20	20	1TX, 2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	1TX, 2TX
2.4-2.4835GHz	802.11n HT40	40	1TX, 2TX
2.4-2.4835GHz	802.11n HT40-BF	40	1TX, 2TX
2.4-2.4835GHz	VHT40	40	1TX, 2TX
2.4-2.4835GHz	VHT40-BF	40	1TX, 2TX
2.4-2.4835GHz	802.11ax HEW40	40	1TX, 2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	1TX, 2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.
- Nss-Min is the minimum number of spatial streams.
- Nant is the number of outputs. e.g., 2(2,3) means have 2 outputs for port 2 and port 3. 2 means have 2 outputs for port 1 and port 2.

1.1.2 Antenna Information

For Internal antenna EUT:

Ant.	Brand	Model Number (P/N)	Antenna Type	Connector	Antenna Gain (dBi)			Remark
					WLAN 2.4GHz	WLAN 5GHz	BLE/Thread	
1	SENAO	5718A0474300	PIFA	IPEX	4.56	-	-	Radio 1
2	SENAO	5718A0475300	PIFA	IPEX	4.56	-	-	Radio 1
3	SENAO	5718A0476300	PIFA	IPEX	4.47	5.02	-	Radio 3
4	SENAO	5718A0477300	PIFA	IPEX	4.47	5.02	-	Radio 3
5	SENAO	5718A0478300	PIFA	IPEX	-	5.36	-	Radio 2
6	SENAO	5718A0479300	PIFA	IPEX	-	5.36	-	Radio 2
7	SENAO	5718A0480300	PIFA	IPEX	-	5.36	-	Radio 2
8	SENAO	5718A0481300	PIFA	IPEX	-	5.36	-	Radio 2
9	SENAO	5718A0482300	PIFA	IPEX	-	-	4.37	Radio 4

Note: The above information was declared by manufacturer.

For Radio 1 and Radio 3:
For IEEE 802.11a/b/g/n/ac/ax mode (1TX, 2TX/2RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For Radio 2:
For IEEE 802.11a/n/ac/ax mode (1TX, 2TX, 4TX/4RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
For Radio 4 (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

For External antenna EUT:

Ant.	Brand	Model Number (P/N)	Antenna Type	Connector	Antenna Gain (dBi)		
					WLAN 2.4GHz	WLAN 5GHz	BLE/Thread
1	Extreme	ML-2452-APA2-01	Omni	RP SMA male	3.17	4.85	-
2	Extreme	ML-2452-APA2-02	Omni	RP SMA male	3.17	4.85	-
3	Extreme	ML-2452-HPA5-036	Omni	RP SMA male	3.9	5.7	-
4	Extreme	ML-2452-HPAG4A6-01	Omni	N male	4.0	7.3	-
5	Extreme	ML-2452-PNA5-01R	Panel	Type N-Male	4.5	5.0	-
6	Extreme	ML-2452-PTA4M4-036	Omni	Rev-Polarity SMA Male 4x	5.0	6.6	-
7	Extreme	ML-2452-HPAG5A8-01	Omni	N male	5.0	8.0	-
8	Extreme	WS-AO-DQ04360N	Omni	N male	5.5	6.0	-
9	Extreme	AI-DQ04360S	Omni	RP SMA male	5.5	6.0	-
10	Extreme	ML-2452-SEC6M4-036 / WS-AI-DQ05120	Panel	RP SMA male	6.92	7.23	-
11	Extreme	WS-AI-DE07025	Panel	RP SMA male	7.50	6.50	-
12	Extreme	ML-2452-PNA7-01R	Panel	Type N-Male	7.8	10.7	7.8
13	Extreme	WS-AI-DE10055	Panel	RP SMA male	10.5	7.5	-
14	Extreme	ML-2499-HPA8-01	Dipole	N male	-	-	8.0

Radio	EUT icon			
	Port 1	Port 2	Port 3	Port 4
1	2.4G/5G-1	2.4G/5G-2	-	-
2	2.4G/5G-1	2.4G/5G-2	5G-3	5G-4
3	2.4G/5G-5	2.4G/5G-6	-	-
4	BLE	-	-	-

Note: 1.The above information was declared by manufacturer.
2.Ant. 1~14 are the different antenna type in the antenna list. Only the highest gain antenna was selected from each different type of antenna to test and record in this report. for 2.4GHz is Ant.7, Ant.12 and Ant.13 and for 5GHz is Ant.7 and Ant.12 and for BTLE/Thread is Ant.12 and Ant.14 were selected to perform the test and recorded in this report.

For Radio 1 and Radio 3:
For IEEE 802.11a/b/g/n/ac/ax mode (1TX, 2TX/2RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.

For Radio 2:
For IEEE 802.11a/n/ac/ax mode (1TX, 2TX, 4TX/4RX):
For 1TX
Only Port 1 can be use as transmitting antenna.
For 2TX
Port 1 and Port 2 can be use as transmitting antenna.
Port 1 and Port 2 could transmit simultaneously.
For 4TX
Port 1, Port 2, Port 3 and Port 4 can be use as transmitting antenna.
Port 1, Port 2, Port 3 and Port 4 could transmit simultaneously.
For 4RX
Port 1, Port 2, Port 3 and Port 4 can be used as receiving antennas.
Port 1, Port 2, Port 3 and Port 4 could receive simultaneously.
For Radio 4 (1TX/1RX):
Only Port 1 can be use as transmitting/receiving antenna.

1.1.3 Mode Test Duty Cycle

For Radio 1
For 1TX Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.952	0.21	12.425m	100
802.11g	0.953	0.21	2.075m	1k
VHT20	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40	0.972	0.12	953.75u	3k
802.11ax HEW20	0.981	0.08	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40	0.964	0.16	775u	3k

For 2TX Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.952	0.21	12.42m	100
802.11g	0.952	0.21	2.075m	1k
VHT20	0.927	0.33	362.5u	3k
VHT40	0.873	0.59	196.875u	10k
802.11ax HEW20	0.964	0.16	782.5u	3k
802.11ax HEW40	0.93	0.32	422.5u	3k

For 2TXBF Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
VHT20-BF	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40-BF	0.973	0.12	1.935m	1k
802.11ax HEW20-BF	0.879	0.56	1.505m	1k
802.11ax HEW40-BF	0.874	0.58	2.225m	1k

For Radio 3
For 1TX Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.957	0.19	12.424m	100
802.11g	0.954	0.2	2.075m	1k
VHT20	0.983	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40	0.969	0.14	953.75u	3k
802.11ax HEW20	0.979	0.09	1.489m	1k
802.11ax HEW40	0.961	0.17	773.75u	3k

For 2TX Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b	0.936	0.29	12.42m	100
802.11g	0.95	0.22	2.066m	1k
VHT20	0.974	0.11	990u	3k
VHT40	0.947	0.24	502.5u	3k
802.11ax HEW20	0.965	0.15	781.875u	3k
802.11ax HEW40	0.934	0.3	425u	3k

For 2TXBF Mode:

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
VHT20-BF	0.986	0.06	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40-BF	0.973	0.12	1.935m	1k
802.11ax HEW20-BF	0.911	0.4	1.655m	1k
802.11ax HEW40-BF	0.92	0.36	2.503m	1k

Note:
- DC is Duty Cycle.
- DCF is Duty Cycle Factor.

1.1.4 EUT Operational Condition

EUT Power Type	From Power Adapter or PoE			
Beamforming Function	☒	With beamforming	☐	Without beamforming
	For VHT20/40 and 802.11n/ax in 2.4GHz and 802.11n/ac/ax in 5GHz.			
Function	☒	Point-to-multipoint	☐	Point-to-point
Test Software Version	Mtool V3.1.0.1			

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	EUT	Description
AP410i	EUT 1	The “i” in AP410i indicates that it comes with internal antennas and the “e” in AP410e indicates that the access point comes with external antenna connectors.
AP410e	EUT 2	

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
- ANSI C63.10-2013
- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

Testing Location			
☐	HWA YA	ADD :	No. 52, Huaya 1st Rd., Guishan Dist., Taoyuan City, Taiwan (R.O.C.)
		TEL :	886-3-327-3456 FAX : 886-3-327-0973
☒	JHUBEI	ADD :	No.8, Lane 724, Bo-ai St., Jhubei City, HsinChu County 302, Taiwan, R.O.C.
		TEL :	886-3-656-9065 FAX : 886-3-656-9085

Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
RF Conducted	TH01-CB	Owen Hsu	24.4~25.2°C / 61~62%	Sep. 26, 2019 ~ Oct. 30, 2019
Radiated<1GHz	03CH05-CB	Bruce Yang	23.4~24°C / 59~62%	Sep. 23, 2019 ~ Oct. 25, 2019
Radiated>1GHz	03CH04-CB	Bruce Yang	24.2~24.9°C / 52~55%	Sep. 23, 2019 ~ Oct. 25, 2019
AC Conduction	CO01-CB	Wei Li	24.3~24.9°C / 55~60%	Nov. 05, 2019

Test site Designation No. TW0006 with FCC.
Test site registered number IC 4086D with Industry Canada.

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)	2.0 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	4.3 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	5.1 dB	Confidence levels of 95%
Conducted Emission	2.4 dB	Confidence levels of 95%
Output Power Measurement	1.5 dB	Confidence levels of 95%
Power Density Measurement	2.4 dB	Confidence levels of 95%
Bandwidth Measurement	2%	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1
For Internal Antenna
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	88	22
2417MHz	106	26.5
2437MHz	120	30
2457MHz	104	26
2462MHz	88	22
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	84	21
2417MHz	96	24
2437MHz	113	28.25
2457MHz	90	22.5
2462MHz	82	20.5
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	83	20.75
2417MHz	93	23.25
2437MHz	106	26.5
2457MHz	88	22
2462MHz	75	18.75
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	75	18.75
2437MHz	82	20.5
2452MHz	76	19
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	83	20.75
2417MHz	93	23.25
2437MHz	106	26.5
2457MHz	88	22
2462MHz	75	18.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	75	18.75
2437MHz	82	20.5
2452MHz	76	19

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	99	24.75
2437MHz	105	26.25
2462MHz	98	24.5
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	79	19.75
2417MHz	83	20.75
2437MHz	103	25.75
2457MHz	82	20.5
2462MHz	76	19
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	74	18.5
2417MHz	83	20.75
2437MHz	96	24
2457MHz	83	20.75
2462MHz	80	20
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	70	17.5
2437MHz	78	19.5
2452MHz	70	17.5
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	74	18.5
2417MHz	83	20.75
2437MHz	96	24
2457MHz	83	20.75
2462MHz	80	20
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	70	17.5
2437MHz	78	19.5
2452MHz	70	17.5
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	80	20
2417MHz	82	20.5
2437MHz	97	24.25
2457MHz	75	18.75
2462MHz	78	19.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	73	18.25
2437MHz	77	19.25

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	71	17.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	80	20
2417MHz	82	20.5
2437MHz	97	24.25
2457MHz	75	18.75
2462MHz	78	19.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	73	18.25
2437MHz	77	19.25
2452MHz	71	17.75

For External Antenna 7
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	89	22.25
2417MHz	91	22.75
2437MHz	106	26.5
2457MHz	92	23
2462MHz	89	22.25
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	69	17.25
2417MHz	77	19.25
2437MHz	94	23.5
2457MHz	79	19.75
2462MHz	70	17.5
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	67	16.75
2417MHz	75	18.75
2437MHz	91	22.75
2457MHz	79	19.75
2462MHz	66	16.5
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	64	16
2437MHz	70	17.5
2452MHz	68	17
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	67	16.75
2417MHz	75	18.75
2437MHz	91	22.75
2457MHz	79	19.75
2462MHz	66	16.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	64	16
2437MHz	70	17.5
2452MHz	68	17

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	80	20
2437MHz	80	20
2462MHz	68	17
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	63	15.75
2417MHz	67	16.75
2437MHz	86	21.5
2457MHz	70	17.5
2462MHz	65	16.25
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	66	16.5
2417MHz	70	17.5
2437MHz	84	21
2457MHz	71	17.75
2462MHz	69	17.25
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	60	15
2437MHz	65	16.25
2452MHz	62	15.5
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	66	16.5
2417MHz	70	17.5
2437MHz	84	21
2457MHz	71	17.75
2462MHz	69	17.25
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	60	15
2437MHz	65	16.25
2452MHz	62	15.5
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	64	16
2417MHz	70	17.5
2437MHz	93	23.25
2457MHz	73	18.25
2462MHz	67	16.75
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	63	15.75
2437MHz	70	17.5

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	68	17
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	64	16
2417MHz	70	17.5
2437MHz	93	23.25
2457MHz	73	18.25
2462MHz	67	16.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	63	15.75
2437MHz	70	17.5
2452MHz	68	17

For External Antenna 12
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	89	22.25
2437MHz	88	22
2462MHz	81	20.25
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	68	17
2417MHz	73	18.25
2437MHz	91	22.75
2457MHz	72	18
2462MHz	68	17
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	64	16
2417MHz	73	18.25
2437MHz	89	22.25
2457MHz	73	18.25
2462MHz	60	15
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	62	15.5
2437MHz	69	17.25
2452MHz	63	15.75
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	64	16
2417MHz	73	18.25
2437MHz	89	22.25
2457MHz	73	18.25
2462MHz	60	15
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	62	15.5
2437MHz	69	17.25
2452MHz	63	15.75

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	79	19.75
2437MHz	73	18.25
2462MHz	70	17.5
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	63	15.75
2417MHz	68	17
2437MHz	86	21.5
2457MHz	70	17.5
2462MHz	65	16.25
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	66	16.5
2417MHz	70	17.5
2437MHz	82	20.5
2457MHz	70	17.5
2462MHz	68	17
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	60	15
2437MHz	64	16
2452MHz	60	15
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	66	16.5
2417MHz	70	17.5
2437MHz	82	20.5
2457MHz	70	17.5
2462MHz	68	17
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	60	15
2437MHz	64	16
2452MHz	60	15
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	65	16.25
2417MHz	74	18.5
2437MHz	85	21.25
2457MHz	71	17.75
2462MHz	66	16.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	62	15.5
2437MHz	67	16.75

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	63	15.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	65	16.25
2417MHz	74	18.5
2437MHz	85	21.25
2457MHz	71	17.75
2462MHz	66	16.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	62	15.5
2437MHz	67	16.75
2452MHz	63	15.75

For External Antenna 13
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	94	23.5
2417MHz	95	23.75
2437MHz	100	25
2457MHz	95	23.75
2462MHz	93	23.25
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	70	17.5
2417MHz	78	19.5
2437MHz	95	23.75
2457MHz	79	19.75
2462MHz	73	18.25
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	64	16
2417MHz	76	19
2437MHz	92	23
2457MHz	79	19.75
2462MHz	65	16.25
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	66	16.5
2437MHz	72	18
2452MHz	70	17.5
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	64	16
2417MHz	76	19
2437MHz	92	23
2457MHz	79	19.75
2462MHz	65	16.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	66	16.5
2437MHz	72	18
2452MHz	70	17.5

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	87	21.75
2437MHz	87	21.75
2462MHz	87	21.75
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	65	16.25
2417MHz	70	17.5
2437MHz	90	22.5
2457MHz	73	18.25
2462MHz	70	17.5
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	69	17.25
2417MHz	73	18.25
2437MHz	87	21.75
2457MHz	74	18.5
2462MHz	71	17.75
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	63	15.75
2437MHz	68	17
2452MHz	65	16.25
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	69	17.25
2417MHz	73	18.25
2437MHz	87	21.75
2457MHz	74	18.5
2462MHz	71	17.75
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	63	15.75
2437MHz	68	17
2452MHz	65	16.25
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	65	16.25
2417MHz	67	16.75
2437MHz	78	19.5
2457MHz	67	16.75
2462MHz	62	15.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	58	14.5
2437MHz	64	16

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	63	15.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	65	16.25
2417MHz	67	16.75
2437MHz	78	19.5
2457MHz	67	16.75
2462MHz	62	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	58	14.5
2437MHz	64	16
2452MHz	63	15.75

For Radio 3
For Internal Antenna
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	88	22
2437MHz	89	22.25
2462MHz	91	22.75
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	74	18.5
2417MHz	86	21.5
2437MHz	98	24.5
2457MHz	83	20.75
2462MHz	72	18
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	73	18.25
2417MHz	81	20.25
2437MHz	94	23.5
2457MHz	82	20.5
2462MHz	64	16
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	67	16.75
2437MHz	74	18.5
2452MHz	69	17.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	73	18.25
2417MHz	81	20.25
2437MHz	94	23.5
2457MHz	82	20.5
2462MHz	64	16
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	67	16.75
2437MHz	74	18.5
2452MHz	69	17.25

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	86	21.5
2437MHz	92	23
2462MHz	83	20.75
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	66	16.5
2417MHz	74	18.5
2437MHz	89	22.25
2457MHz	77	19.25
2462MHz	65	16.25
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	64	16
2417MHz	76	19
2437MHz	87	21.75
2457MHz	73	18.25
2462MHz	68	17
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	59	14.75
2437MHz	68	17
2452MHz	61	15.25
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	64	16
2417MHz	76	19
2437MHz	87	21.75
2457MHz	73	18.25
2462MHz	68	17
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	59	14.75
2437MHz	68	17
2452MHz	61	15.25
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	65	16.25
2417MHz	71	17.75
2437MHz	88	22
2457MHz	71	17.75
2462MHz	66	16.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	60	15
2437MHz	66	16.5

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	60	15
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	65	16.25
2417MHz	71	17.75
2437MHz	88	22
2457MHz	71	17.75
2462MHz	66	16.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	60	15
2437MHz	66	16.5
2452MHz	60	15

For External Antenna 7
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	85	21.25
2437MHz	82	20.5
2462MHz	90	22.5
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	68	17
2417MHz	73	18.25
2437MHz	92	23
2457MHz	87	21.75
2462MHz	73	18.25
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	59	14.75
2417MHz	74	18.5
2437MHz	90	22.5
2457MHz	80	20
2462MHz	69	17.25
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	59	14.75
2437MHz	70	17.5
2452MHz	69	17.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	59	14.75
2417MHz	74	18.5
2437MHz	90	22.5
2457MHz	80	20
2462MHz	69	17.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	59	14.75
2437MHz	70	17.5
2452MHz	69	17.25

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	75	18.75
2437MHz	71	17.75
2462MHz	76	19
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	60	15
2417MHz	66	16.5
2437MHz	80	20
2457MHz	66	16.5
2462MHz	60	15
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	58	14.5
2417MHz	67	16.75
2437MHz	77	19.25
2457MHz	65	16.25
2462MHz	60	15
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	52	13
2437MHz	56	14
2452MHz	49	12.25
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	58	14.5
2417MHz	67	16.75
2437MHz	77	19.25
2457MHz	65	16.25
2462MHz	60	15
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	52	13
2437MHz	56	14
2452MHz	49	12.25
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	56	14
2417MHz	69	17.25
2437MHz	85	21.25
2457MHz	74	18.5
2462MHz	67	16.75
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	57	14.25
2437MHz	63	15.75

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	62	15.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	56	14
2417MHz	69	17.25
2437MHz	85	21.25
2457MHz	74	18.5
2462MHz	67	16.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	
2422MHz	57	14.25
2437MHz	63	15.75
2452MHz	62	15.5

For External Antenna 12
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	76	19
2437MHz	65	16.25
2462MHz	74	18.5
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	60	15
2417MHz	74	18.5
2437MHz	85	21.25
2457MHz	66	16.5
2462MHz	60	15
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	62	15.5
2417MHz	70	17.5
2437MHz	85	21.25
2457MHz	64	16
2462MHz	60	15
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	53	13.25
2437MHz	56	14
2452MHz	52	13
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	62	15.5
2417MHz	70	17.5
2437MHz	85	21.25
2457MHz	64	16
2462MHz	60	15
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	53	13.25
2437MHz	56	14
2452MHz	52	13

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	59	14.75
2437MHz	52	13
2462MHz	55	13.75
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	58	14.5
2417MHz	65	16.25
2437MHz	75	18.75
2457MHz	62	15.5
2462MHz	57	14.25
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	53	13.25
2417MHz	62	15.5
2437MHz	70	17.5
2457MHz	57	14.25
2462MHz	53	13.25
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	47	11.75
2437MHz	52	13
2452MHz	43	10.75
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	53	13.25
2417MHz	62	15.5
2437MHz	70	17.5
2457MHz	57	14.25
2462MHz	53	13.25
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	47	11.75
2437MHz	52	13
2452MHz	43	10.75
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	54	13.5
2417MHz	66	16.5
2437MHz	75	18.75
2457MHz	60	15
2462MHz	51	12.75
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	46	11.5
2437MHz	49	12.25

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	46	11.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	54	13.5
2417MHz	66	16.5
2437MHz	75	18.75
2457MHz	60	15
2462MHz	51	12.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	46	11.5
2437MHz	49	12.25
2452MHz	46	11.5

For External Antenna 13
For 1TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_1TX	-	-
2412MHz	86	21.5
2437MHz	92	23
2462MHz	84	21
802.11g_Nss1,(6Mbps)_1TX	-	-
2412MHz	63	15.75
2417MHz	74	18.5
2437MHz	87	21.75
2457MHz	70	17.5
2462MHz	63	15.75
VHT20_Nss1,(MCS0)_1TX	-	-
2412MHz	57	14.25
2417MHz	72	18
2437MHz	84	21
2457MHz	68	17
2462MHz	52	13
VHT40_Nss1,(MCS0)_1TX	-	-
2422MHz	53	13.25
2437MHz	62	15.5
2452MHz	60	15
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-
2412MHz	57	14.25
2417MHz	72	18
2437MHz	84	21
2457MHz	68	17
2462MHz	52	13
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-
2422MHz	53	13.25
2437MHz	62	15.5
2452MHz	60	15

For 2TX Mode:

Mode	PowerSetting	PowerSetting (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-
2412MHz	77	19.25
2437MHz	82	20.5
2462MHz	77	19.25
802.11g_Nss1,(6Mbps)_2TX	-	-
2412MHz	56	14
2417MHz	62	15.5
2437MHz	72	18
2457MHz	60	15
2462MHz	55	13.75
VHT20_Nss2,(MCS0)_2TX	-	-
2412MHz	53	13.25
2417MHz	65	16.25
2437MHz	70	17.5
2457MHz	59	14.75
2462MHz	50	12.5
VHT40_Nss2,(MCS0)_2TX	-	-
2422MHz	47	11.75
2437MHz	51	12.75
2452MHz	47	11.75
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-
2412MHz	53	13.25
2417MHz	65	16.25
2437MHz	70	17.5
2457MHz	59	14.75
2462MHz	50	12.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-
2422MHz	47	11.75
2437MHz	51	12.75
2452MHz	47	11.75
VHT20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	50	12.5
2417MHz	60	15
2437MHz	74	18.5
2457MHz	61	15.25
2462MHz	54	13.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	43	10.75
2437MHz	49	12.25

Mode	PowerSetting	PowerSetting (dBm)
2452MHz	47	11.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-
2412MHz	50	12.5
2417MHz	60	15
2437MHz	74	18.5
2457MHz	61	15.25
2462MHz	54	13.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-
2422MHz	43	10.75
2437MHz	49	12.25
2452MHz	47	11.75

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
Operating Mode	CTX
1	EUT 1 (Radio 1 / WLAN 2.4GHz) + Adapter
2	EUT 1 (Radio 2 / WLAN 5GHz) + Adapter
3	EUT 1 (Radio 3 / WLAN 2.4GHz) + Adapter
4	EUT 1 (Radio 3 / WLAN 5GHz) + Adapter
5	EUT 1 (Radio 4 / BT LE) + Adapter
6	EUT 1 (Radio 4 / Thread) + Adapter
Mode 6 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7 will follow this same test mode.	
7	EUT 1 (Radio 4 / Thread) + PoE
8	EUT 2 (Radio 1 / WLAN 2.4GHz) + Ant.7 + Adapter
9	EUT 2 (Radio 1 / WLAN 2.4GHz) + Ant.12 + Adapter
10	EUT 2 (Radio 1 / WLAN 2.4GHz) + Ant.13 + Adapter
11	EUT 2 (Radio 2 / WLAN 5GHz) + Ant.7 + Adapter
12	EUT 2 (Radio 2 / WLAN 5GHz) + Ant.12 + Adapter
13	EUT 2 (Radio 3 / WLAN 2.4GHz) + Ant.7 + Adapter
14	EUT 2 (Radio 3 / WLAN 2.4GHz) + Ant.12 + Adapter
15	EUT 2 (Radio 3 / WLAN 2.4GHz) + Ant.13 + Adapter
16	EUT 2 (Radio 3 / WLAN 5GHz) + Ant.7 + Adapter
17	EUT 2 (Radio 3 / WLAN 5GHz) + Ant.12 + Adapter
18	EUT 2 (Radio 4 / BT LE) + Ant.14 + Adapter
19	EUT 2 (Radio 4 / BT LE) + Ant.12 + Adapter
20	EUT 2 (Radio 4 / Thread) + Ant.14 + Adapter
21	EUT 2 (Radio 4 / Thread) + Ant.12 + Adapter
Mode 20 has been evaluated to be the worst case among Mode 8~21, thus measurement for Mode 20 will follow this same test mode.	
22	EUT (Radio 4 / Thread) + Ant.14 + PoE
For operating mode 22 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	DTS Bandwidth Maximum Conducted Output Power Power Spectral Density Emissions in Non-restricted Frequency Bands
Test Condition	Conducted measurement at transmit chains
Operating Mode	Note 1

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
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
The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands above 1GHz test. And the worst case were found as below: **For Internal antenna:** For Radio 1 WLAN 2.4GHz: was found at Z axis For Radio 2 WLAN 5GHz: was found at Z axis For Radio 3 WLAN 2.4GHz: was found at Z axis For Radio 3 WLAN 5GHz: was found at Z axis For Radio 4 BT LE: was found at Y axis For Radio 4 Thread: was found at X axis **For External antennas:** **For Ant. 7:** For Radio 1 WLAN 2.4GHz: was found at X axis For Radio 2 WLAN 5GHz: was found at X axis For Radio 3 WLAN 2.4GHz: was found at Z axis For Radio 3 WLAN 5GHz: was found at Z axis **For Ant. 12:** For Radio 1 WLAN 2.4GHz: was found at X axis For Radio 2 WLAN 5GHz: was found at X axis For Radio 3 WLAN 2.4GHz: was found at Z axis For Radio 3 WLAN 5GHz: was found at Y axis For Radio 4 BT LE: was found at Z axis For Radio 4 Thread: was found at Z axis **For Ant. 13:** For Radio 1 WLAN 2.4GHz: was found at Z axis For Radio 3 WLAN 2.4GHz: was found at Z axis **For Ant. 14:** For Radio 4 BT LE: was found at X axis For Radio 4 Thread: was found at Z axis	
1	EUT 1 in Z axis (Radio 1 / WLAN 2.4GHz) + Adapter
2	EUT 1 in Z axis (Radio 2 / WLAN 5GHz) + Adapter
3	EUT 1 in Z axis (Radio 3 / WLAN 2.4GHz) + Adapter
4	EUT 1 in Z axis (Radio 3 / WLAN 5GHz) + Adapter
5	EUT 1 in Y axis (Radio 4 / BT LE) + Adapter
6	EUT 1 in X axis (Radio 4 / Thread) + Adapter
Mode 3 has been evaluated to be the worst case among Mode 1~6, thus measurement for Mode 7 will follow this same test mode.	
7	EUT 1 in Z axis (Radio 3 / WLAN 2.4GHz) + PoE
8	EUT 2 in X axis (Radio 1 / WLAN 2.4GHz) + Ant.7 + Adapter

9	EUT 2 in X axis (Radio 1 / WLAN 2.4GHz) + Ant.12 + Adapter
10	EUT 2 in Z axis (Radio 1 / WLAN 2.4GHz) + Ant.13 + Adapter
11	EUT 2 in X axis (Radio 2 / WLAN 5GHz) + Ant.7 + Adapter
12	EUT 2 in X axis (Radio 2 / WLAN 5GHz) + Ant.12 + Adapter
13	EUT 2 in Z axis (Radio 3 / WLAN 2.4GHz) + Ant.7 + Adapter
14	EUT 2 in Z axis (Radio 3 / WLAN 2.4GHz) + Ant.12 + Adapter
15	EUT 2 in Z axis (Radio 3 / WLAN 2.4GHz) + Ant.13 + Adapter
16	EUT 2 in Z axis (Radio 3 / WLAN 5GHz) + Ant.7 + Adapter
17	EUT 2 in Y axis (Radio 3 / WLAN 5GHz) + Ant.12 + Adapter
18	EUT 2 in X axis (Radio 4 / BT LE) + Ant.14 + Adapter
19	EUT 2 in Z axis (Radio 4 / BT LE) + Ant.12 + Adapter
20	EUT 2 in Z axis (Radio 4 / Thread) + Ant.14 + Adapter
21	EUT 2 in Z axis (Radio 4 / Thread) + Ant.12 + Adapter
Mode 13 has been evaluated to be the worst case among Mode 8~21, thus measurement for Mode 22 will follow this same test mode.	
22	EUT 2 in Z axis (Radio 3 / WLAN 2.4GHz) + Ant.7 + PoE
For operating mode 22 is the worst case and it was record in this test report.	

Operating Mode > 1GHz	CTX (for more details refer note 1)

The EUT was performed at X axis, Y axis and Z axis position for Emissions in Restricted Frequency Bands test.
And the worst case were found as below:

Items		Internal Antenna		External Antenna 7		External Antenna 12		External Antenna 13	
		1TX	2TX	1TX	2TX	1TX	2TX	1TX	2TX
Radio 1	Radiated	X axis	Z axis	Y axis	X axis	Y axis	X axis	Y axis	Z axis
	Bandedge		X axis		Y axis				X axis
Radio 3	Radiated	Y axis	Z axis	Z axis	Z axis	Z axis	Z axis	X axis	Z axis
	Bandedge		Y axis						

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Radiated Emission Co-location
Test Condition	Radiated measurement
Operating Mode	Normal Link
1	EUT 2 (Radio 1 + Radio 2)
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis - Co-location RF Exposure Evaluation
Operating Mode	
1	Radio 1 + Radio 2 + Radio 3 (2.4GHz) + Radio 4 (BT LE)
2	Radio 1 + Radio 2 + Radio 3 (5GHz) + Radio 4 (BT LE)
3	Radio 1 + Radio 2 + Radio 3 (2.4GHz) + Radio 4 (Thread)
4	Radio 1 + Radio 2 + Radio 3 (5GHz) + Radio 4 (Thread)
Refer to Sporton Test Report No.: FA970232 for Co-location RF Exposure Evaluation.	

Note: 1.Test Mode:

Test Item	Radio 1 / Radio 3 (Internal Antenna and External Ant.7, Ant.12 and Ant.13)									
	802.11b		802.11g		VHT20/40		802.11ax HEW20/40			
	1T1S	CDD 2T1S	1T1S	CDD 2T1S	1T1S	SDM 2T2S	TXBF 2T1S	1T1S	SDM 2T2S	TXBF 2T1S
Maximum Conducted Output Power	V	V	V	V	V	V	V	V	V	V
DTS Bandwidth	V	V	V	V	Cover by 11ax	Cover by 11ax	Cover by 11ax	V	V	V
Power Spectral Density	V	V	V	V	V	V	V	V	V	V
Emissions in Non-restricted Frequency Bands	V	V	V	V	Cover by 11ax	Cover by 11ax	Cover by 11ax	V	V	V
Emissions in Restricted Frequency BandS	V	V	V	V	Cover by 11ax	Cover by 11ax	Cover by 11ax	V	V	V

2.HEW20/HEWT40 covers HT20/HT40. The power setting 11n HT20 and HT40 are the same or lower than 802.11ax HEW20 and HEW40.
3.There are two modes of EUT for 802.11n/ax, VHT20, VHT40 in 2.4GHz and 802.11n/ac/ax in 5GHz. One is beamforming mode, and the other is non-beamforming mode. Both modes have been tested and recorded in this test report.
4.The Adapter and PoE is for measurement only, would not be marketed.
Adapter and PoE information as below:

Power	Brand Holder	Model
Adapter	Powertron Electronics Corp.	PA1024-120IB200
Power	**Brand**	**Model**
PoE	EnGenius	EPA5006GP

2.3 EUT Operation during Test

For CTX Mode:

non-beamforming mode:

The EUT was programmed to be in continuously transmitting mode.

beamforming mode:

For Conducted Mode:

The EUT was programmed to be in continuously transmitting mode.

For Radiated Mode:

During the test, the following programs under WIN 7 were executed.
The program was executed as follows:
1. During the test, the EUT operation to normal function.
2. Executed command fixed test channel under Telnet.
3. Executed " Lan Test (2.0.0.2) " to link with the remote workstation to transmit and receive packet by Wireless AP and transmit duty cycle no less than 98%.

2.4 Accessories

Wall-mounted rack

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	Flash disk3.0	Transcend	639205 7755	N/A
C	PoE	EnGenius	EPA85006GP	N/A

For Radiated (below 1GHz):

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
D	PoE	EnGenius	EPA5006GP	N/A

For Radiated (above 1GHz):
<For Non-Beamforming Mode>

Support Equipment				
No.	**Equipment**	**Brand**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
E	Adapter	Powertron Electronics Corp.	PA1024-120IB200	N/A

<For Beamforming Mode>

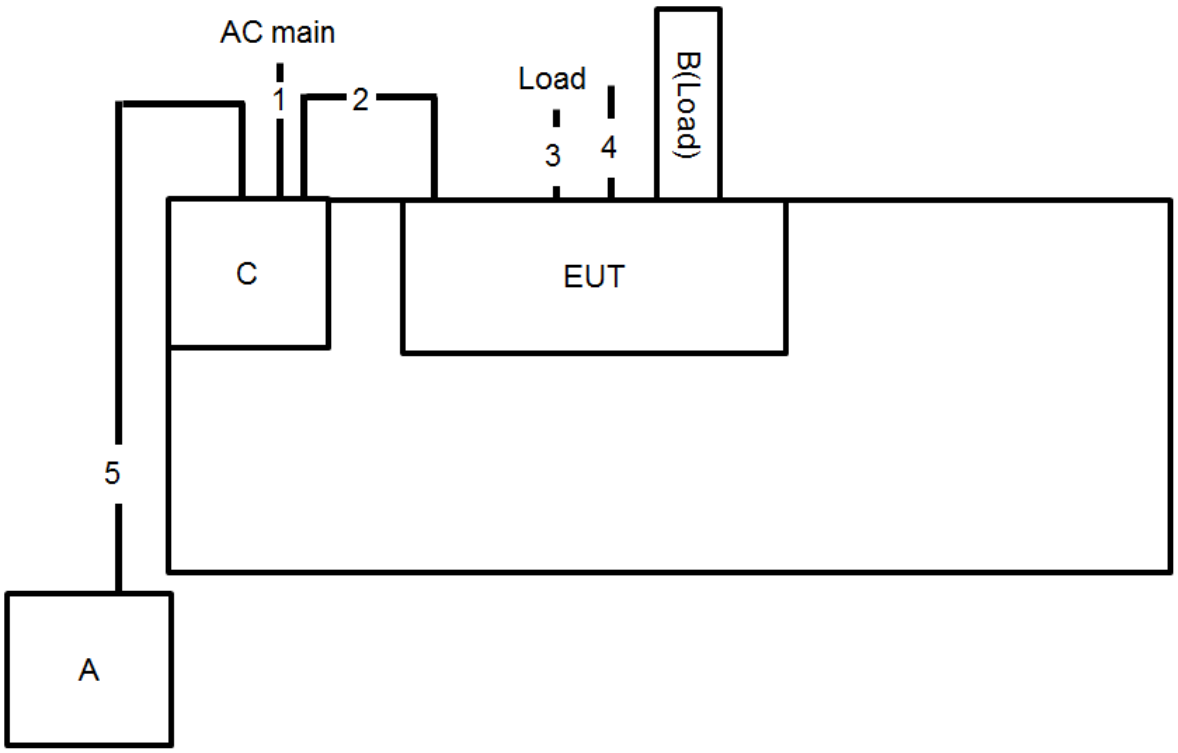
Support Equipment				
No.	**Equipment**	**Brand**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	WLAN AP	Extreme Networks, Inc.	AP460i/e	N/A
C	Notebook	DELL	E4300	N/A
E	Adapter	Powertron Electronics Corp.	PA1024-120IB200	N/A

For RF Conducted:

Support Equipment				
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	Adapter	Powertron Electronics Corp.	PA1024-120IB200	N/A

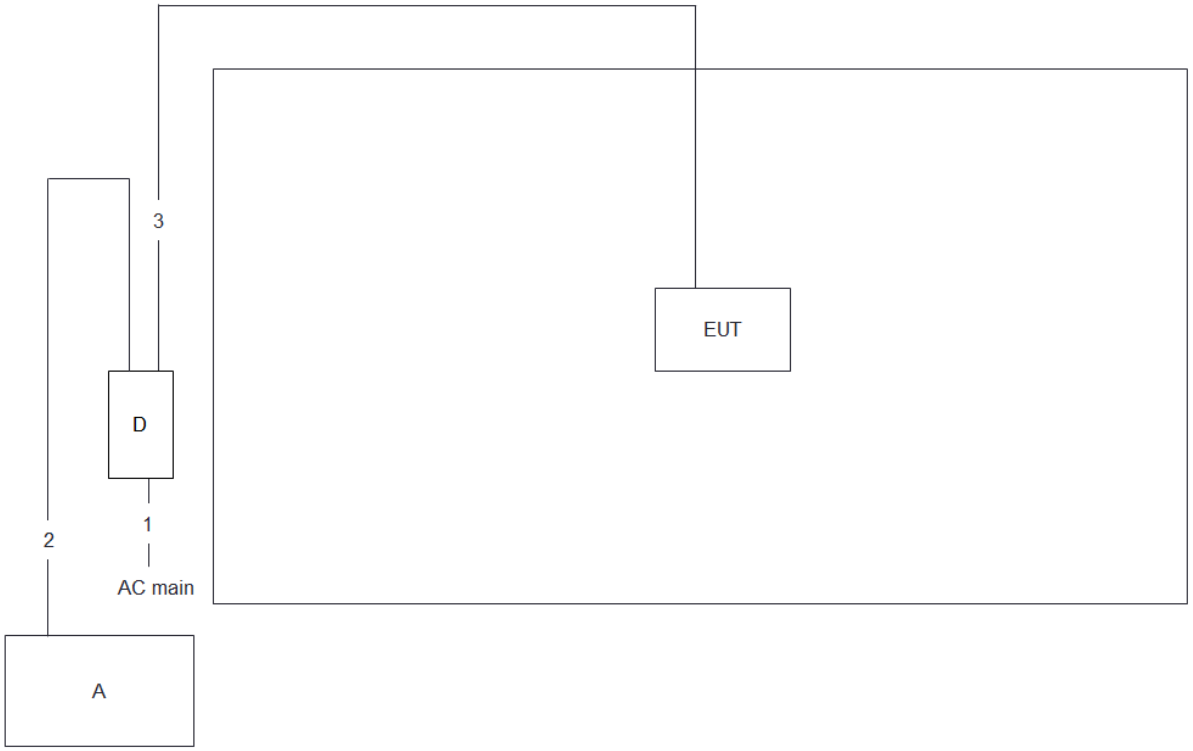
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



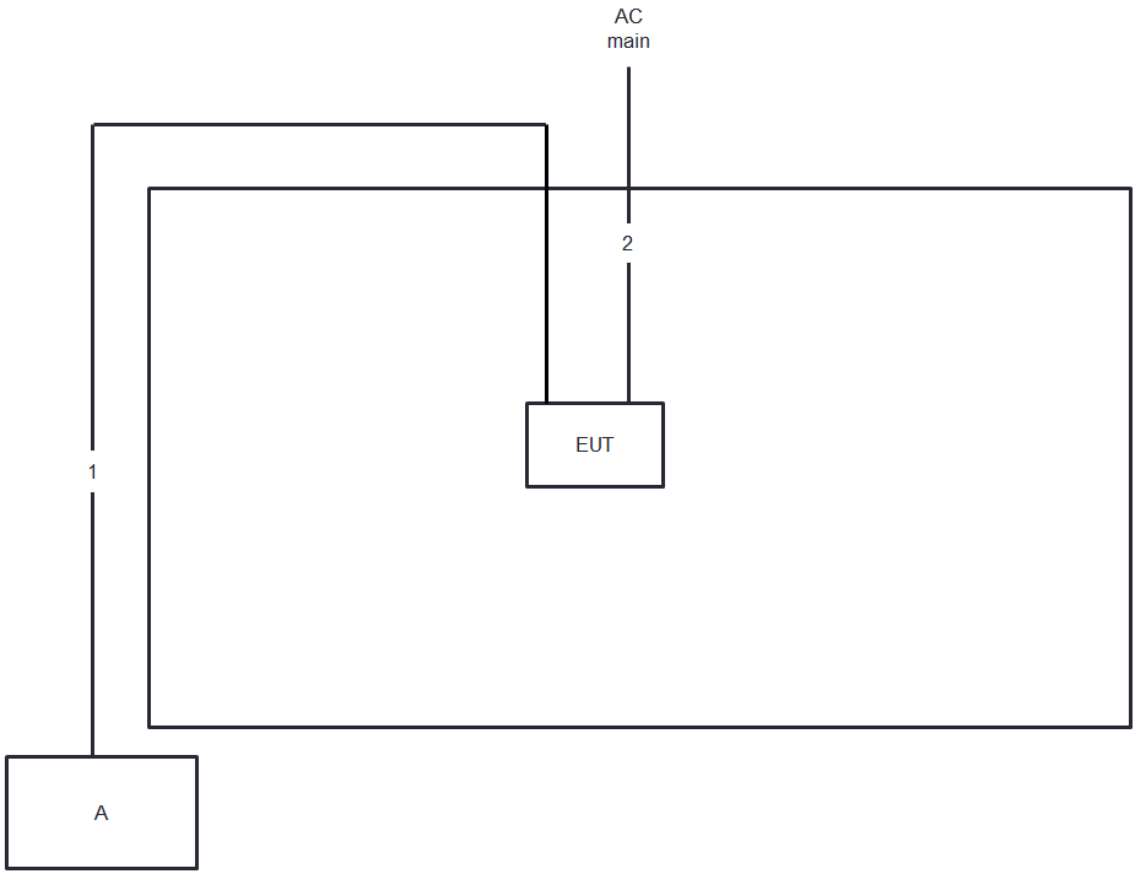
Item	Connection	Shielded	Length
1	Power cable	No	0.9m
2	RJ-45 cable	No	1.5m
3	RJ-45 cable	No	1.5m
4	Console cable	No	1.5m
5	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test < 1GHz



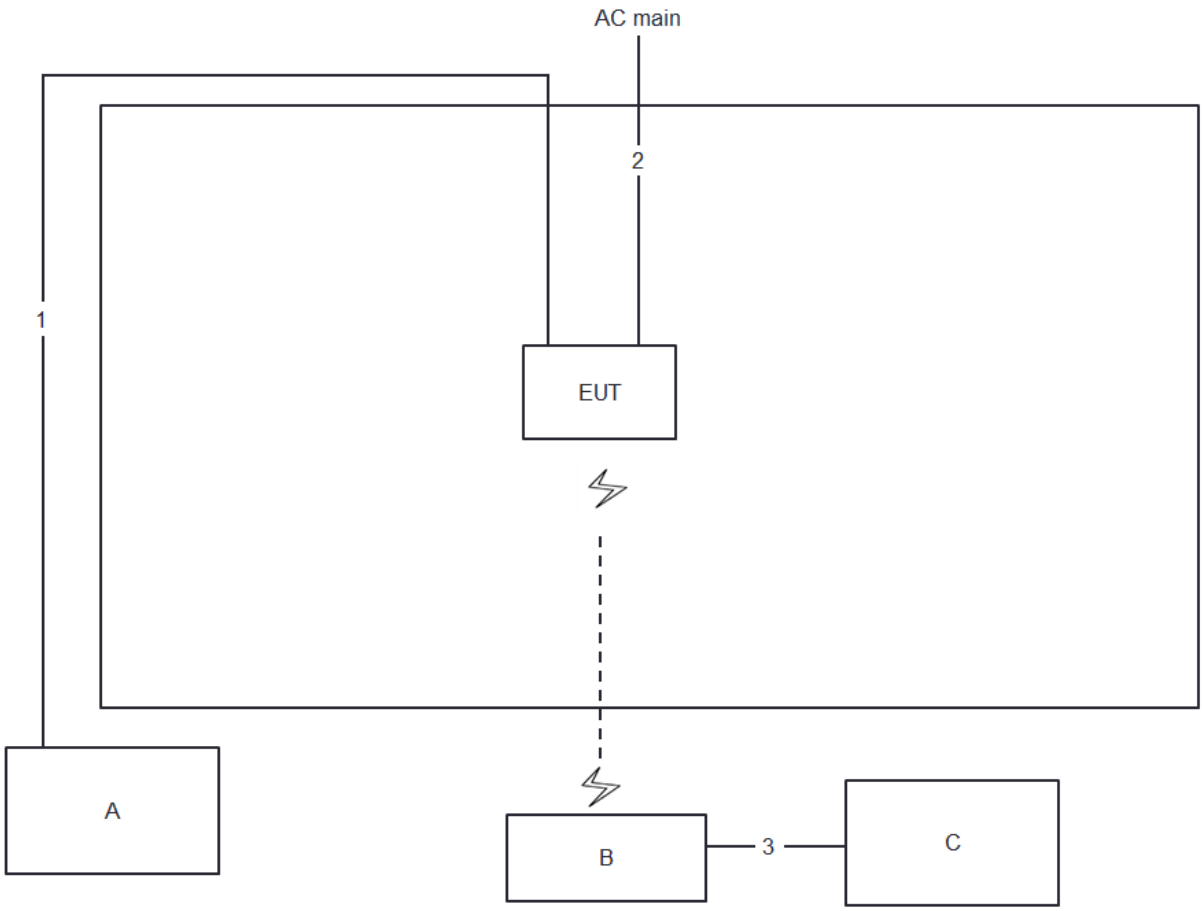
Item	Connection	Shielded	Length
1	Power cable	No	0.5m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m

Test Setup Diagram - Radiated Test > 1GHz / Non-Beamforming Mode



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

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



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

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

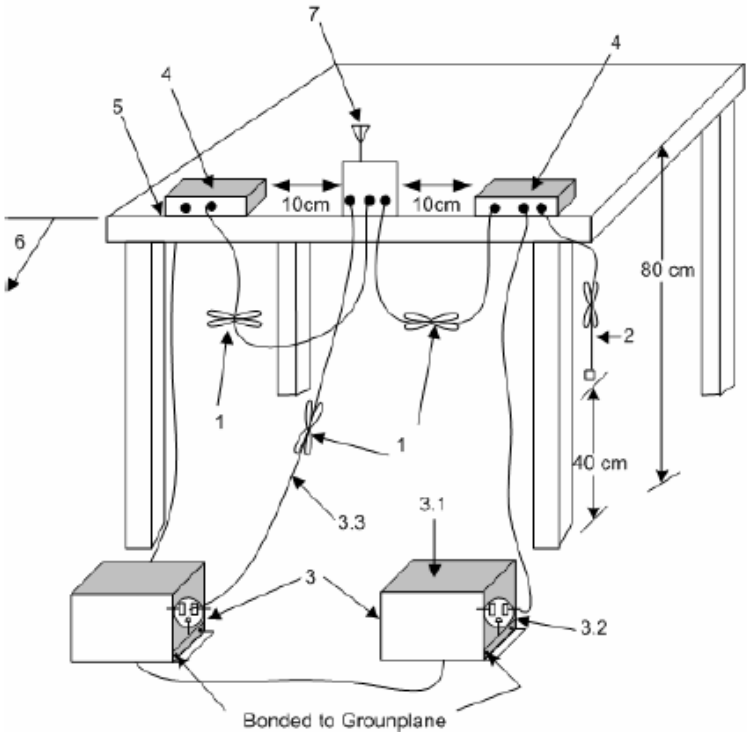
Refer a test equipment and calibration data table in this test report.

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 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit
Systems using digital modulation techniques:
▪ 6 dB bandwidth ≥ 500 kHz.

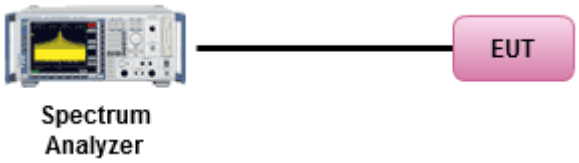
3.2.2 Measuring Instruments

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:	
	☒ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.1 Option 1 for 6 dB bandwidth measurement.
	☐ Refer as FCC KDB 558074, clause 8.2 & C63.10 clause 11.8.2 Option 2 for 6 dB bandwidth measurement.
	☐ Refer as ANSI C63.10, clause 6.9.1 for occupied bandwidth testing.

3.2.4 Test Setup

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit		
	▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)	
	▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)$ dBm	
	▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm	
	▪ Smart antenna system (SAS):	
		- Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3$ dBm
		- Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 – (G_{TX} – 6)/3 + 8$dB dBm
P_{Out} = maximum peak conducted output power or maximum conducted output power in dBm, **G_{TX}** = the maximum transmitting antenna directional gain in dBi.		

3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
▪ Maximum Peak Conducted Output Power	
	☐ Refer as FCC KDB 558074, clause 8.3.1.1 & C63.10 clause 11.9.1.1 (RBW ≥ EBW method).
	☐ Refer as FCC KDB 558074, clause 8.3.1.3 & C63.10 clause 11.9.1.3 (peak power meter).
▪ Maximum Conducted Output Power	
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.2 Method AVGSA-1.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.3 Method AVGSA-1A. (alternative)
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.4 Method AVGSA-2.
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.5 Method AVGSA-2A (alternative)
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.6 Method AVGSA-3
	☐ Refer as FCC KDB 558074, clause 8.3.2.2 & C63.10 clause 11.9.2.2.7 Method AVGSA-3A (alternative)
	Measurement using a power meter (PM)
	☒ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.1 Method AVGPM (using an RF average power meter).
	☐ Refer as FCC KDB 558074, clause 8.3.2.3 & C63.10 clause 11.9.2.3.2 Method AVGPM-G (using an gate RF average power meter).
▪ For conducted measurement.	
	▪ 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]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

Power Spectral Density Limit
▪ Power Spectral Density (PSD) ≤ 8 dBm/3kHz

3.4.2 Measuring Instruments

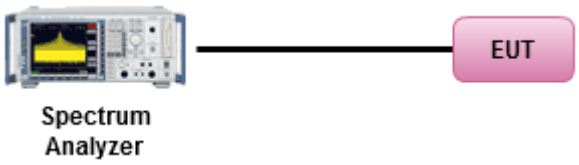
Refer a test equipment and calibration data table in this test report.

3.4.3 Test Procedures

Test Method	
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).	
	☒ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.2 Method PKPSD.
	[duty cycle ≥ 98% or external video / power trigger]
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.3 Method AVGPSD-1.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.5 Method AVGPSD-2.
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.7 Method AVGPSD-3.
	duty cycle < 98% and average over on/off periods with duty factor
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.4 Method AVGPSD-1A. (alternative).
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.6 Method AVGPSD-2A. (alternative)
	☐ Refer as FCC KDB 558074, clause 8.4 & C63.10 clause 11.10.8 Method AVGPSD-3A. (alternative)
▪ 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.

3.4.4 Test Setup

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (dBc)**
Peak output power procedure	20
Average output power procedure	30
Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak PSD level. Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average PSD level.	

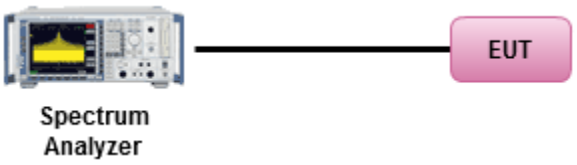
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
▪ Refer as FCC KDB 558074, clause 8.5 for unwanted emissions into non-restricted bands.

3.5.4 Test Setup

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

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: 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.

3.6.2 Measuring Instruments

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

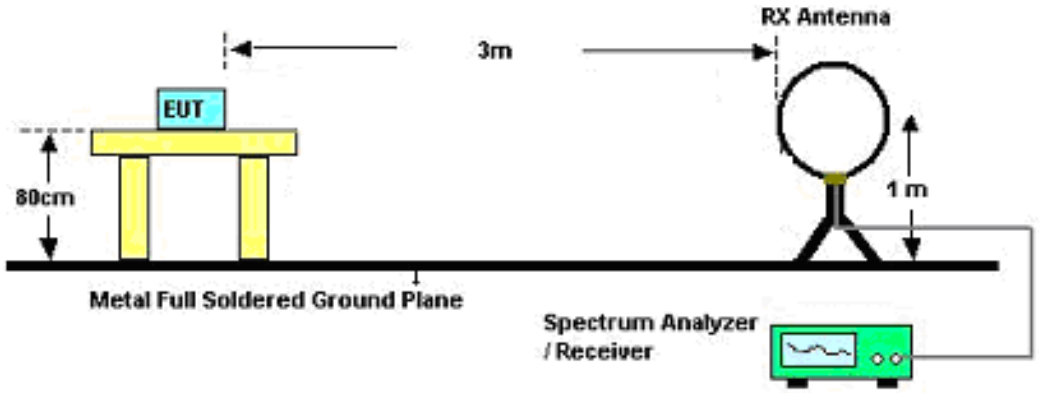
3.6.3 Test Procedures

Test Method			
▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].			
▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.			
▪ For the transmitter unwanted emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074, clause 8.6 for unwanted emissions into restricted bands.		
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.1(trace averaging for duty cycle ≥98%).
		☐	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.2(trace averaging + duty factor).
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.5.3(Reduced VBW≥1/T).
		☐	Refer as ANSI C63.10, clause 11.12.2.5.3 (Reduced VBW). VBW ≥ 1/T, where T is pulse time.
		☐	Refer as ANSI C63.10, clause 7.5 average value of pulsed emissions.
		☒	Refer as FCC KDB 558074, clause 8.6 & C63.10 clause 11.12.2.4 measurement procedure peak limit.
▪ For the transmitter band-edge emissions shall be measured using following options below:			
	▪ Refer as FCC KDB 558074 clause 8.7 & C63.10 clause 11.13.1, When the performing peak or average radiated measurements, emissions within 2 MHz of the authorized band edge may be measured using the marker-delta method described below.		
	▪ Refer as FCC KDB 558074, clause 8.7 (ANSI C63.10, clause 6.10.6) for marker-delta method for band-edge measurements.		
	▪ Refer as FCC KDB 558074, clause 8.7 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels (i.e., 1 MHz).		
	▪ For conducted unwanted emissions into restricted bands (absolute emission limits). Devices with multiple transmit chains using options given below: (1) Measure and sum the spectra across the outputs or (2) Measure and add 10 log(N) dB		
	▪ For FCC KDB 662911 The methodology described here may overestimate array gain, thereby resulting in apparent failures to satisfy the out-of-band limits even if the device is actually compliant. In such cases, compliance may be demonstrated by performing radiated tests around the frequencies at which the apparent failures occurred.		

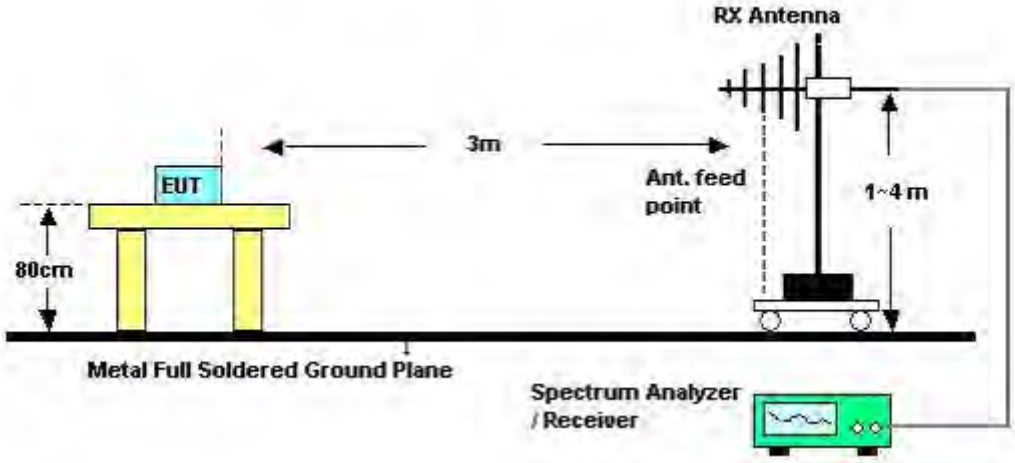
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

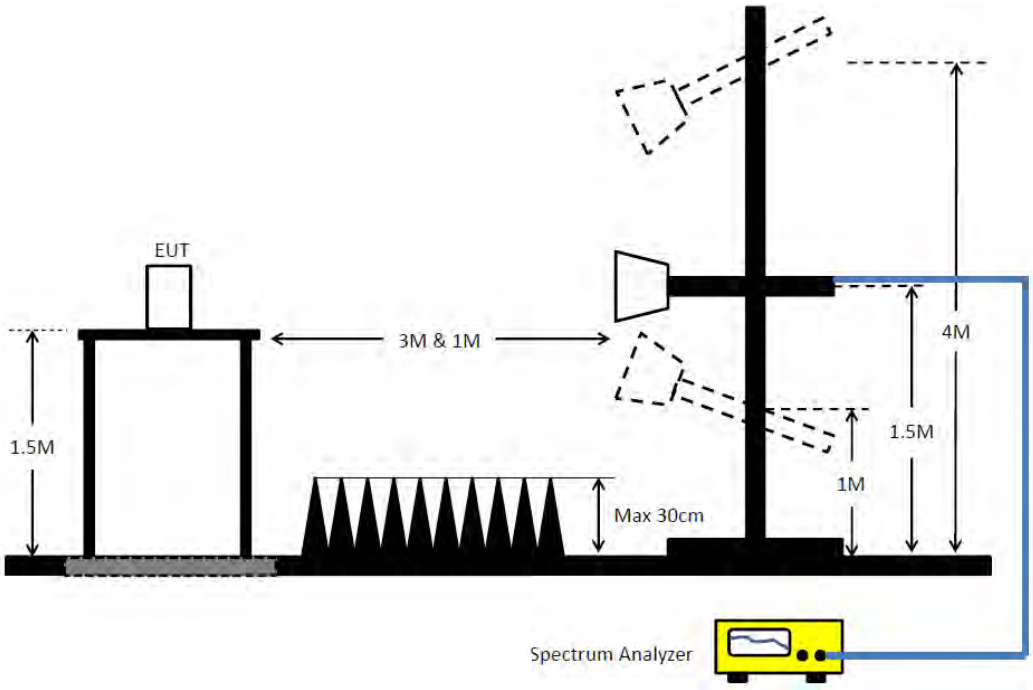
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level.

3.6.6 Emissions in Restricted Frequency Bands (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 10 harmonic or 40 GHz, whichever is appropriate.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
EMI Receiver	Agilent	N9038A	My52260123	9kHz ~ 8.45GHz	Jan. 28, 2019	Jan. 29, 2020	Conduction (CO01-CB)
LISN	F.C.C.	FCC-LISN-50-16-2	04083	150kHz ~ 100MHz	Dec. 24, 2018	Dec. 23, 2019	Conduction (CO01-CB)
LISN	Schwarzbeck	NSLK 8127	8127647	9kHz ~ 30MHz	Jan. 11, 2019	Jan. 10, 2020	Conduction (CO01-CB)
COND Cable	Woken	Cable	Low cable-CO01	9kHz ~ 30MHz	May 21, 2019	May 20, 2020	Conduction (CO01-CB)
Software	Audix	E3	6.120210n	-	N.C.R.	N.C.R.	Conduction (CO01-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Mar. 29, 2019	Mar. 28, 2020	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESE & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 28, 2019	Mar. 27, 2020	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	May 01, 2019	Apr. 30, 2020	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Aug, 15, 2019	Aug, 14, 2020	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	May 15, 2019	May 14, 2020	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	LOW Cable-04+23	30MHz~1GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH05-CB)
Horn Antenna	ETS・Lindgren	3115	00143147	750MHz~18GHz	Oct. 26, 2018	Oct. 25, 2019	Radiation (03CH04-CB)
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170507	15GHz ~ 40GHz	Jun. 12, 2019	Jun. 11, 2020	Radiation (03CH04-CB)
Pre-Amplifier	Agilent	83017A	MY53270063	0.5GHz ~ 26.5GHz	Mar. 19, 2019	Mar. 18, 2020	Radiation (03CH04-CB)
Pre-Amplifier	MITEQ	TTA1840-35-HG	1864479	18GHz ~ 40GHz	Jul. 03, 2019	Jul. 02, 2020	Radiation (03CH04-CB)
Spectrum Analyzer	R&S	FSP40	100142	9kHz~40GHz	Dec. 26, 2018	Dec. 25, 2019	Radiation (03CH04-CB
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 08, 2018	Oct. 07, 2019	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-21+22	1GHz - 18GHz	Oct. 07, 2019	Oct. 06, 2020	Radiation (03CH04-CB)
RF Cable-high	Woken	RG402	High Cable-40G#1	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)

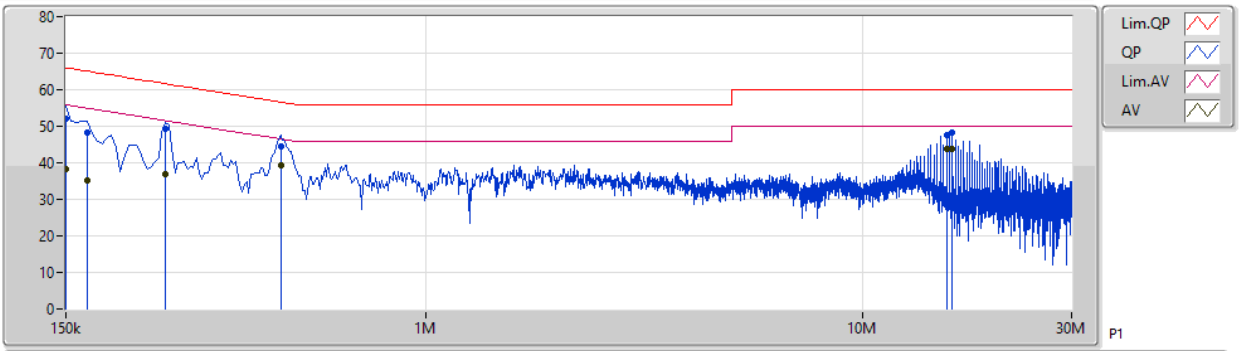
Instrument	Manufacturer	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
Spectrum analyzer	R&S	FSV40	100979	9kHz~40GHz	Feb. 25, 2019	Feb. 24, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-06	1 GHz – 26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-07	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-08	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-09	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 08, 2018	Oct. 07, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-10	1 GHz –26.5 GHz	Oct. 07, 2019	Oct. 06, 2020	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
RF Cable-high	Woken	RG402	High Cable-28	1 GHz –26.5 GHz	Nov. 19, 2018	Nov. 18, 2019	Conducted (TH01-CB)
Power Sensor	Agilent	E9327A	US40442088	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)
Power Meter	Agilent	E4416A	GB41291199	50MHz~18GHz	Jan. 15, 2019	Jan. 14, 2020	Conducted (TH01-CB)

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

N.C.R. means Non-Calibration required.

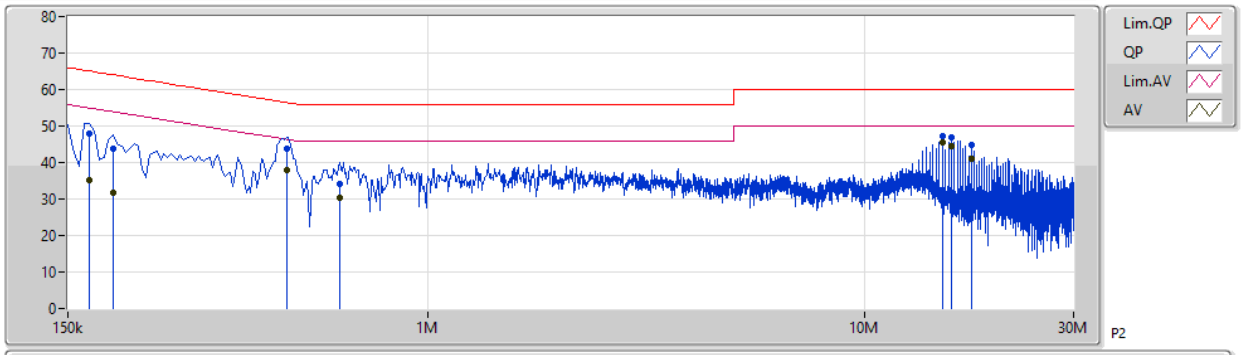
Test Mode	Mode 22	Frequency Range	0.15 MHz to 30 MHz

Line



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	150k	52.01	66.00	-13.99	9.90	Line	-	42.11	0.05	0.06	9.79
AV	150k	38.30	56.00	-17.70	9.90	Line	-	28.40	0.05	0.06	9.79
QP	168k	48.42	65.06	-16.64	9.90	Line	-	38.52	0.05	0.06	9.79
AV	168k	35.32	55.06	-19.74	9.90	Line	-	25.42	0.05	0.06	9.79
QP	253.5k	49.45	61.64	-12.19	9.92	Line	-	39.53	0.06	0.06	9.80
AV	253.5k	36.91	51.64	-14.73	9.92	Line	-	26.99	0.06	0.06	9.80
QP	465k	44.37	56.61	-12.24	9.93	Line	-	34.44	0.06	0.06	9.81
AV	465k	39.36	46.61	-7.25	9.93	Line	-	29.43	0.06	0.06	9.81
QP	15.527M	47.51	60.00	-12.49	10.41	Line	-	37.10	0.26	0.22	9.93
AV	15.527M	43.84	50.00	-6.16	10.41	Line	-	33.43	0.26	0.22	9.93
QP	16.022M	48.34	60.00	-11.66	10.43	Line	-	37.91	0.26	0.23	9.94
AV	16.022M	43.86	50.00	-6.14	10.43	Line	"Worst"	33.43	0.26	0.23	9.94

Neutral



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	AF	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	168k	47.94	65.06	-17.12	9.89	Neutral	-	38.05	0.04	0.06	9.79
AV	168k	35.03	55.06	-20.03	9.89	Neutral	-	25.14	0.04	0.06	9.79
QP	190.5k	43.75	64.01	-20.26	9.89	Neutral	-	33.86	0.04	0.06	9.79
AV	190.5k	31.69	54.01	-22.32	9.89	Neutral	-	21.80	0.04	0.06	9.79
QP	474k	43.67	56.44	-12.77	9.92	Neutral	-	33.75	0.04	0.07	9.81
AV	474k	37.80	46.44	-8.64	9.92	Neutral	-	27.88	0.04	0.07	9.81
QP	627k	34.27	56.00	-21.73	9.93	Neutral	-	24.34	0.05	0.07	9.81
AV	627k	30.40	46.00	-15.60	9.93	Neutral	-	20.47	0.05	0.07	9.81
QP	15.032M	47.34	60.00	-12.66	10.37	Neutral	-	36.97	0.23	0.22	9.92
AV	15.032M	45.40	50.00	-4.60	10.37	Neutral	"Worst"	35.03	0.23	0.22	9.92
QP	15.77M	47.04	60.00	-12.96	10.39	Neutral	-	36.65	0.23	0.23	9.93
AV	15.77M	44.49	50.00	-5.51	10.39	Neutral	-	34.10	0.23	0.23	9.93
QP	17.493M	44.91	60.00	-15.09	10.44	Neutral	-	34.47	0.24	0.24	9.96
AV	17.493M	41.13	50.00	-8.87	10.44	Neutral	-	30.69	0.24	0.24	9.96

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.025M	14.493M	14M5G1D	7M	10.17M
802.11g_Nss1,(6Mbps)_1TX	16.325M	19.115M	19M1D1D	16.325M	16.617M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.19M	19M2D1D	18.925M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.5M	37.631M	37M6D1D	37.45M	37.531M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

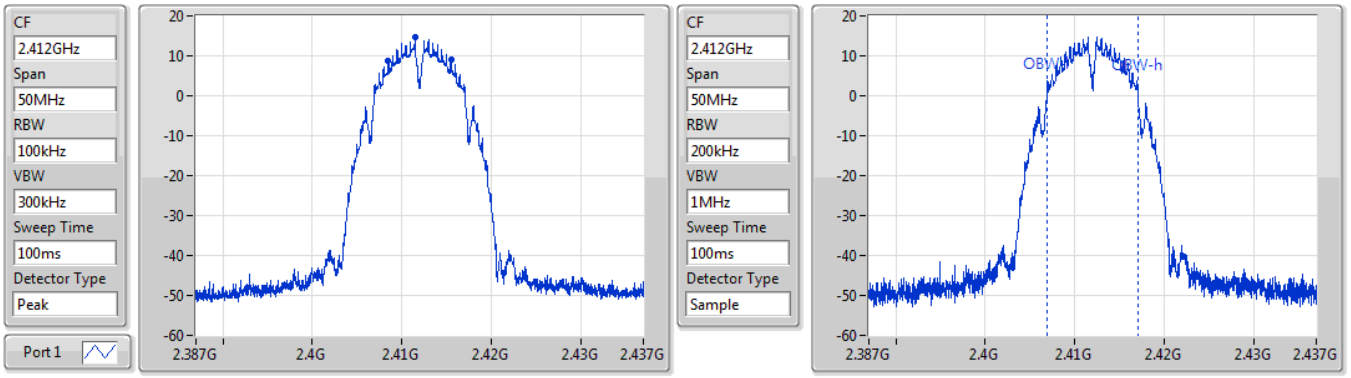
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7M	10.17M
2437MHz	Pass	500k	9.025M	14.493M
2462MHz	Pass	500k	7.525M	10.22M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.617M
2437MHz	Pass	500k	16.325M	19.115M
2462MHz	Pass	500k	16.325M	16.617M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M
2437MHz	Pass	500k	18.975M	19.19M
2462MHz	Pass	500k	18.975M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.5M	37.581M
2437MHz	Pass	500k	37.45M	37.531M
2452MHz	Pass	500k	37.45M	37.631M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

26/09/2019

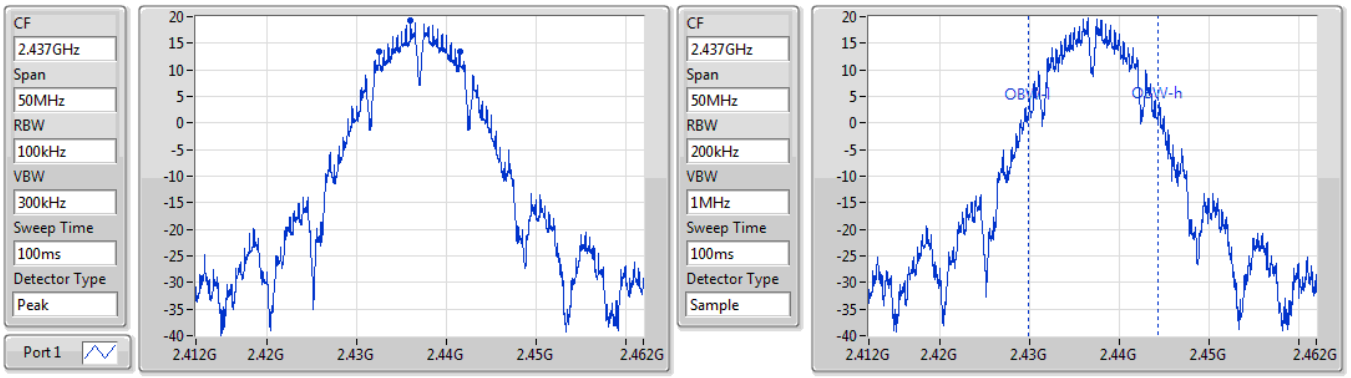


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4085G	2.4155G	10.17M	2.406903G	2.417072G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

26/09/2019

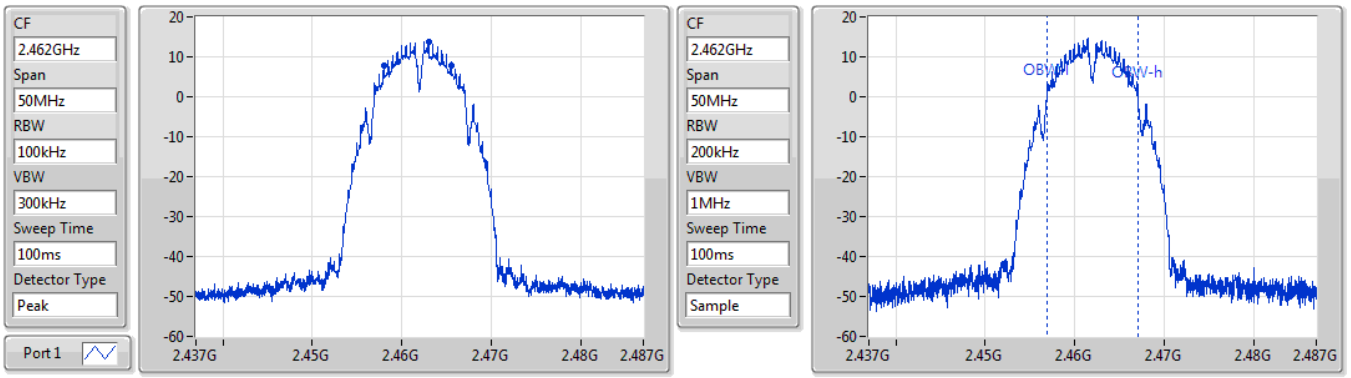


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.432475G	2.4415G	14.493M	2.429779G	2.444271G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

26/09/2019

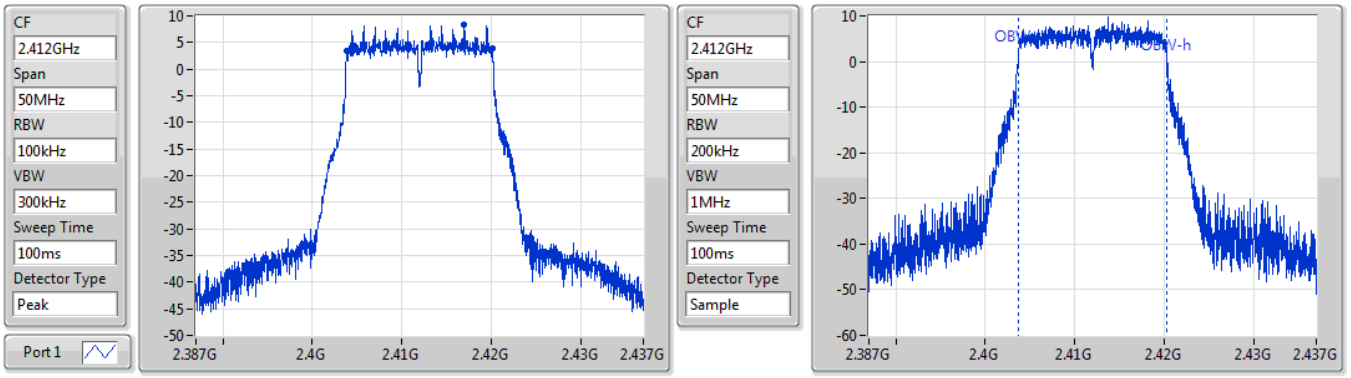


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.458G	2.465525G	10.22M	2.456878G	2.467097G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

27/09/2019

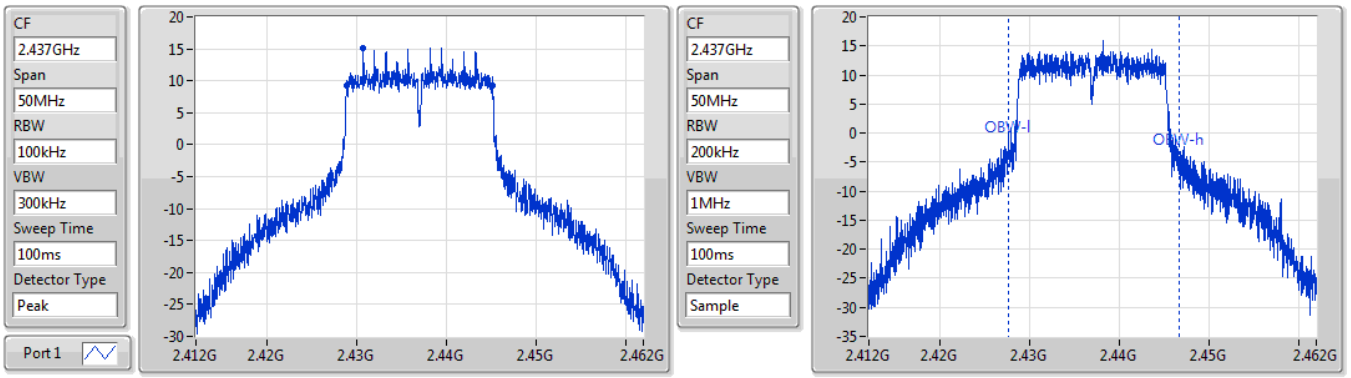


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.617M	2.403679G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

27/09/2019

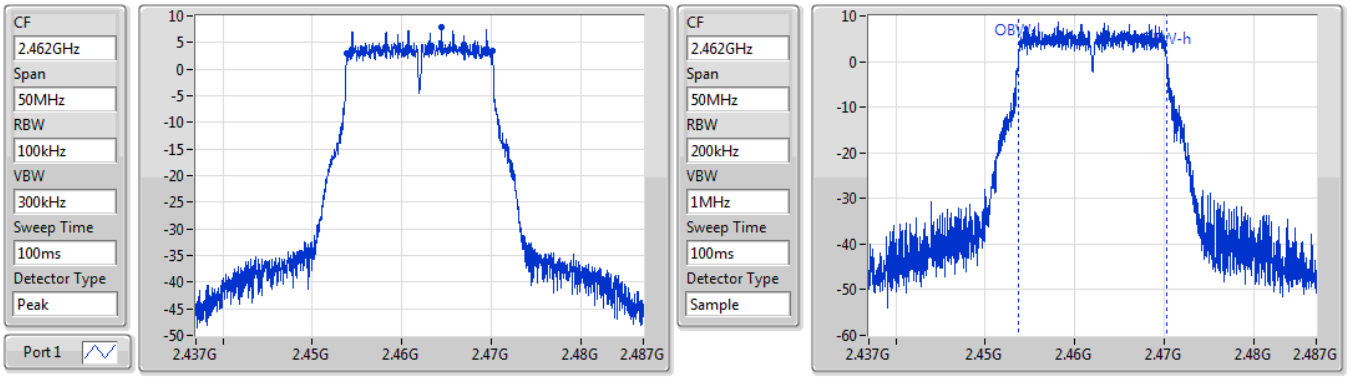


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	19.115M	2.42753G	2.446645G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

27/09/2019

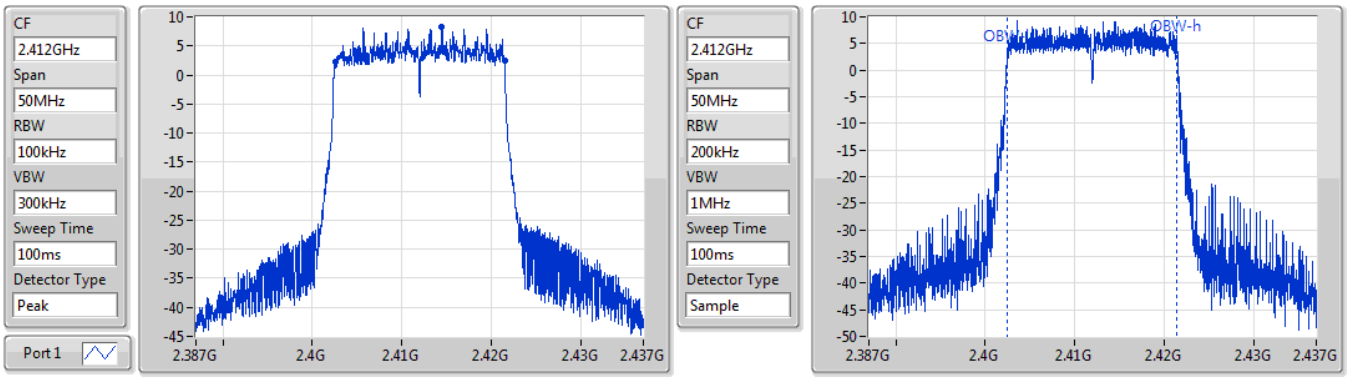


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.617M	2.453679G	2.470296G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

27/09/2019

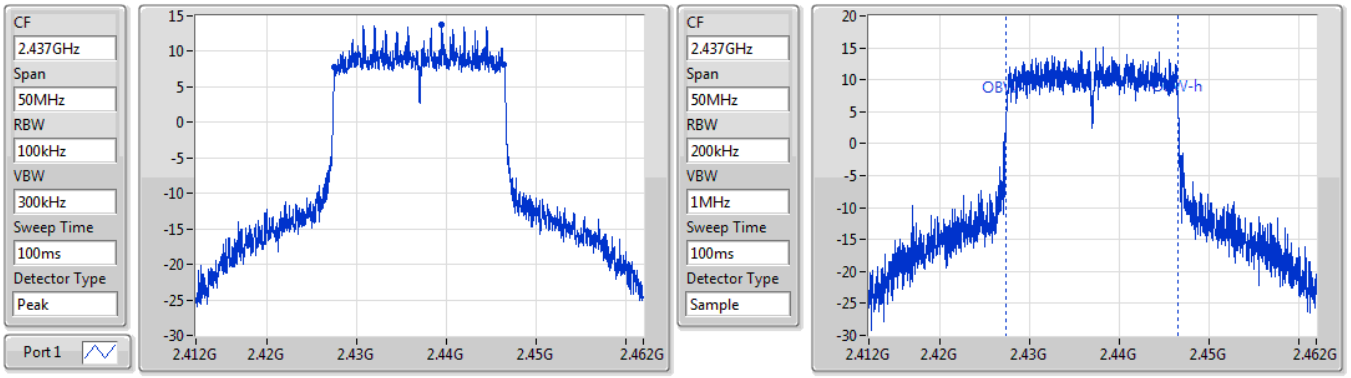


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.40255G	2.421475G	18.991M	2.40248G	2.42147G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

27/09/2019

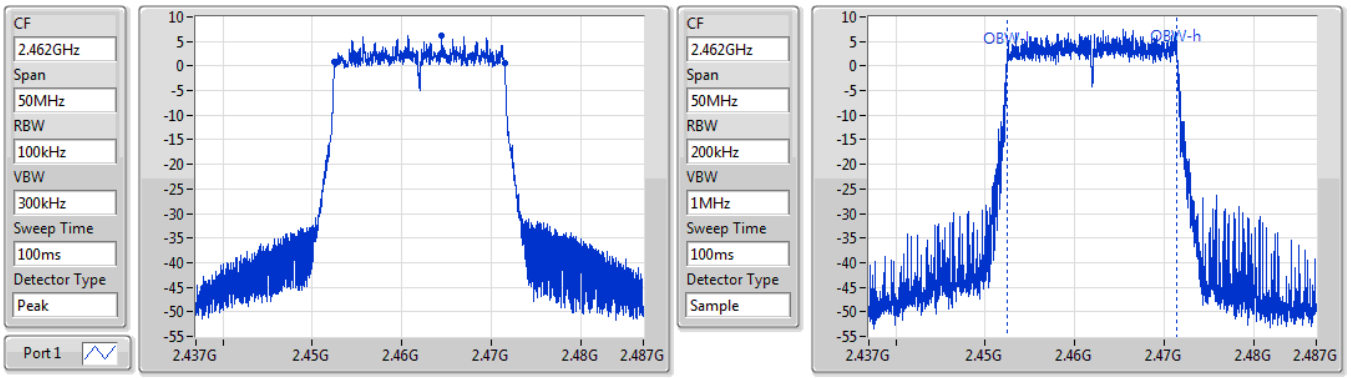


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.427475G	2.44645G	19.19M	2.42738G	2.44657G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

27/09/2019

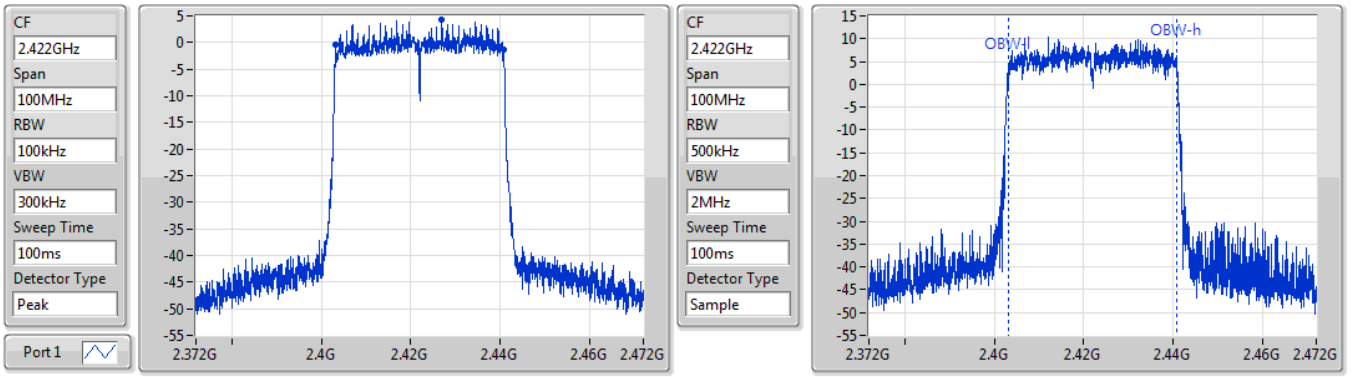


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.966M	2.45248G	2.471445G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

27/09/2019

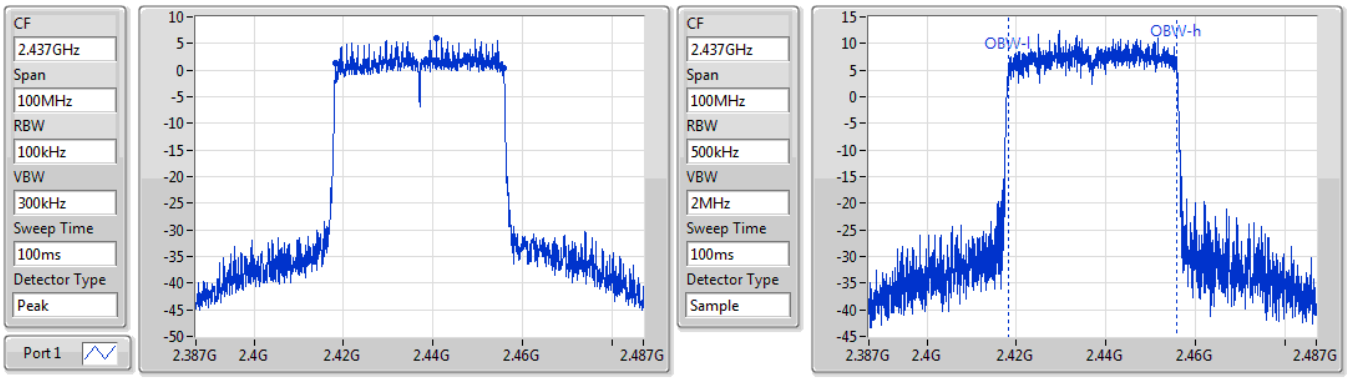


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4032G	2.4407G	37.581M	2.403209G	2.440791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

27/09/2019

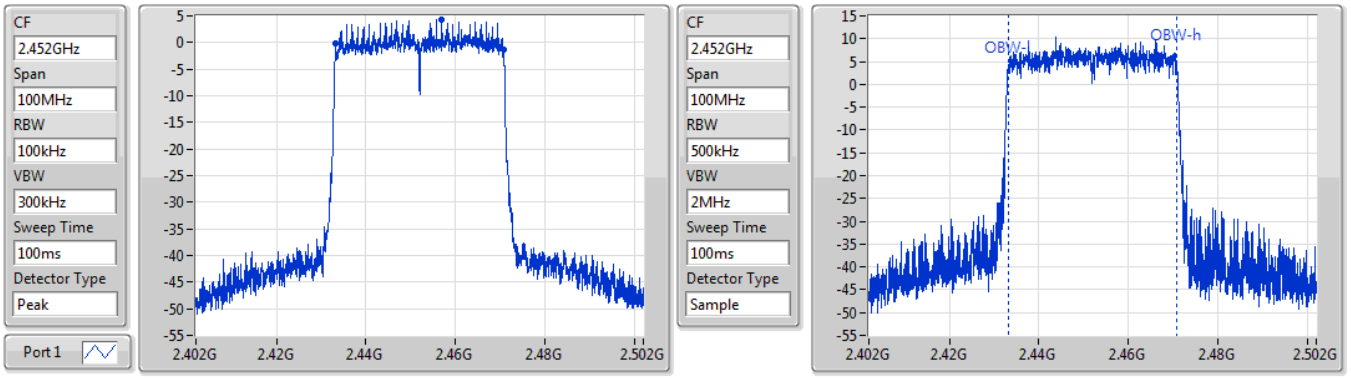


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.41825G	2.4557G	37.531M	2.418259G	2.455791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

27/09/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.43325G	2.4707G	37.631M	2.433159G	2.470791G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.55M	11.969M	12M0G1D	6.55M	10.32M
802.11g_Nss1,(6Mbps)_2TX	16.375M	17.016M	17M0D1D	16.325M	16.567M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.95M	19.04M	19M0D1D	18.8M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.55M	37.581M	37M6D1D	37M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

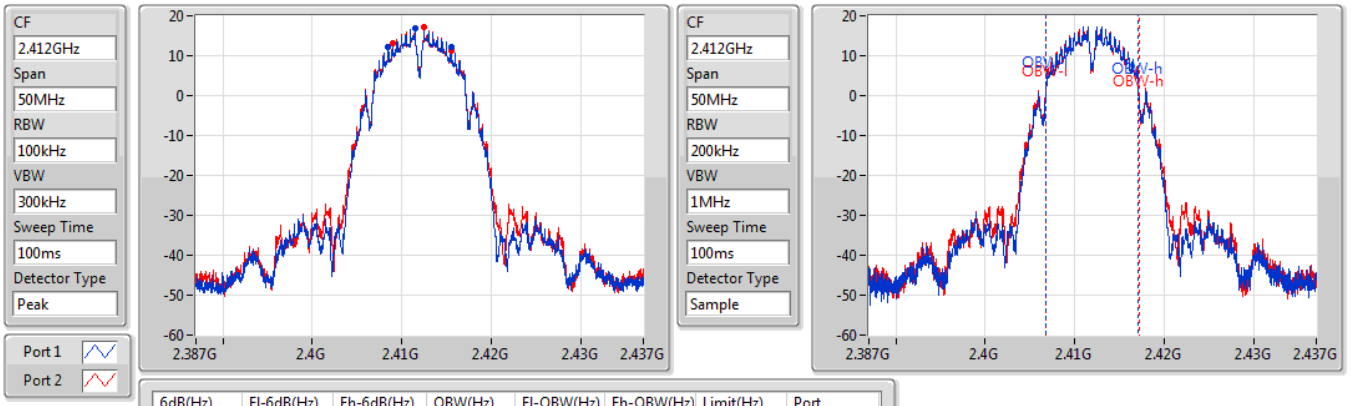
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.32M	6.55M	10.545M
2437MHz	Pass	500k	7.55M	11.744M	7.05M	11.969M
2462MHz	Pass	500k	7.025M	10.42M	7.025M	10.57M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.567M	16.375M	16.617M
2437MHz	Pass	500k	16.325M	16.867M	16.325M	17.016M
2462MHz	Pass	500k	16.325M	16.592M	16.35M	16.592M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M	18.85M	18.941M
2437MHz	Pass	500k	18.95M	19.04M	18.8M	19.04M
2462MHz	Pass	500k	18.95M	18.966M	18.85M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.45M	37.531M	37M	37.531M
2437MHz	Pass	500k	37.55M	37.581M	37.05M	37.531M
2452MHz	Pass	500k	37.5M	37.531M	37.1M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

26/09/2019

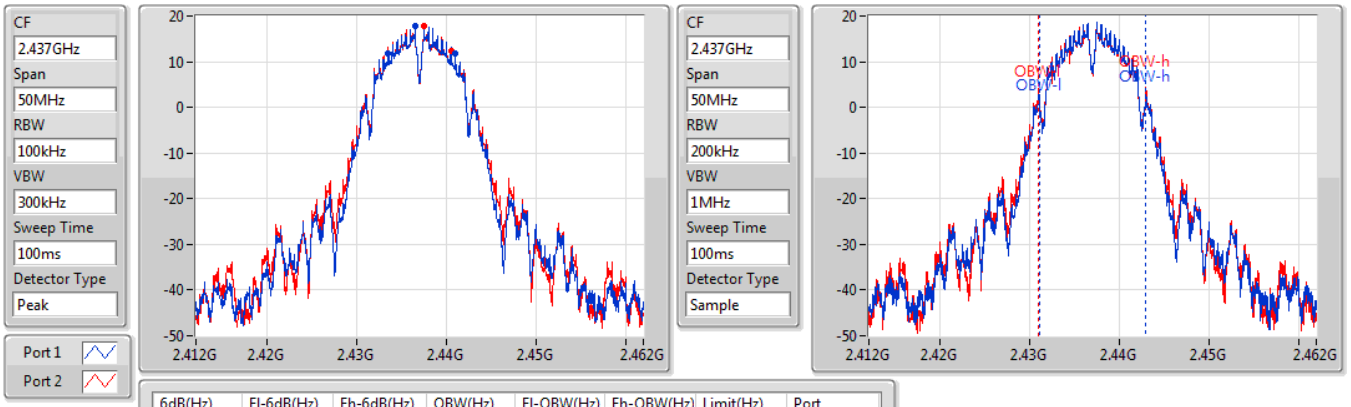


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	10.32M	2.406828G	2.417147G	500k	1
6.55M	2.40895G	2.4155G	10.545M	2.406728G	2.417272G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

26/09/2019

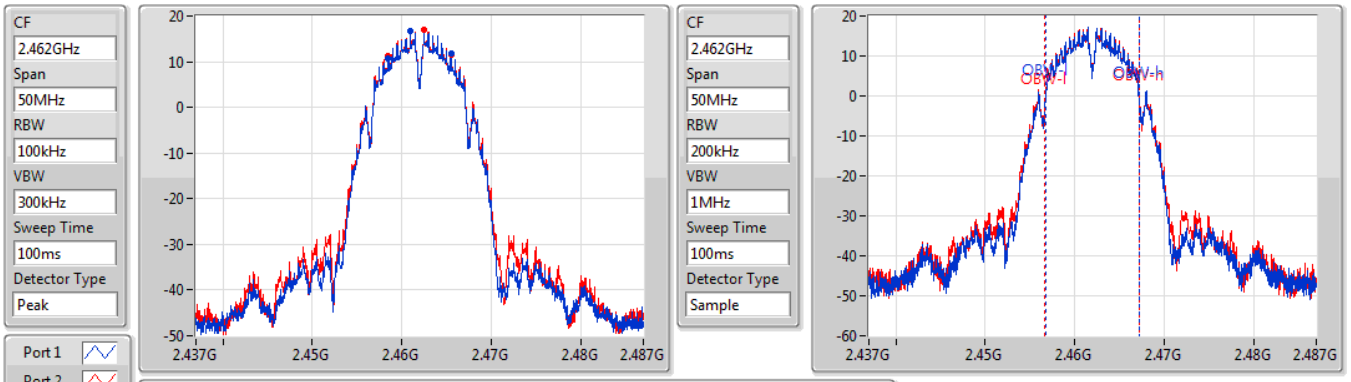


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.43345G	2.441G	11.744M	2.431128G	2.442872G	500k	1
7.05M	2.43345G	2.4405G	11.969M	2.431003G	2.442972G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

26/09/2019

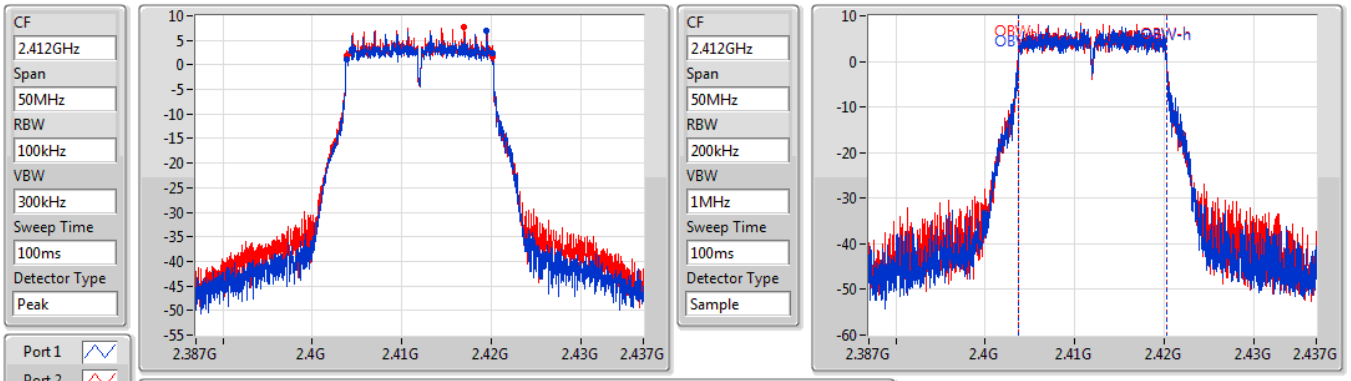


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.42M	2.456778G	2.467197G	500k	1
7.025M	2.458475G	2.4655G	10.57M	2.456678G	2.467247G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

26/09/2019

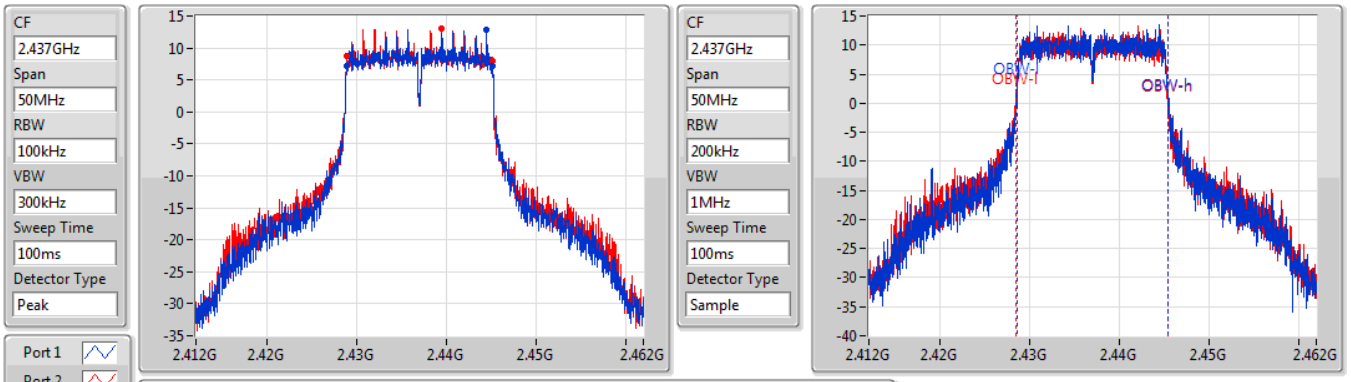


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.567M	2.403704G	2.420271G	500k	1
16.375M	2.4038G	2.420175G	16.617M	2.403654G	2.420271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

26/09/2019

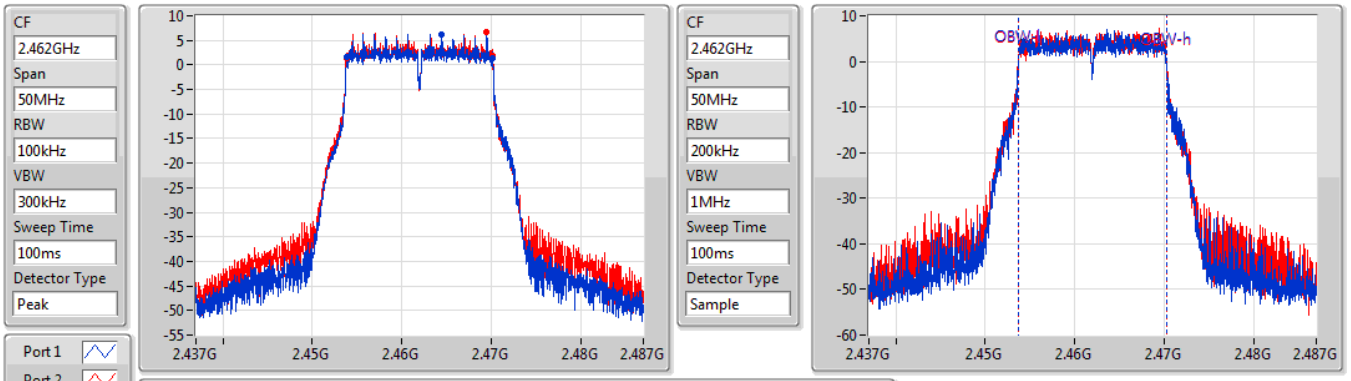


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.867M	2.428579G	2.445446G	500k	1
16.325M	2.428825G	2.44515G	17.016M	2.428454G	2.445471G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

26/09/2019

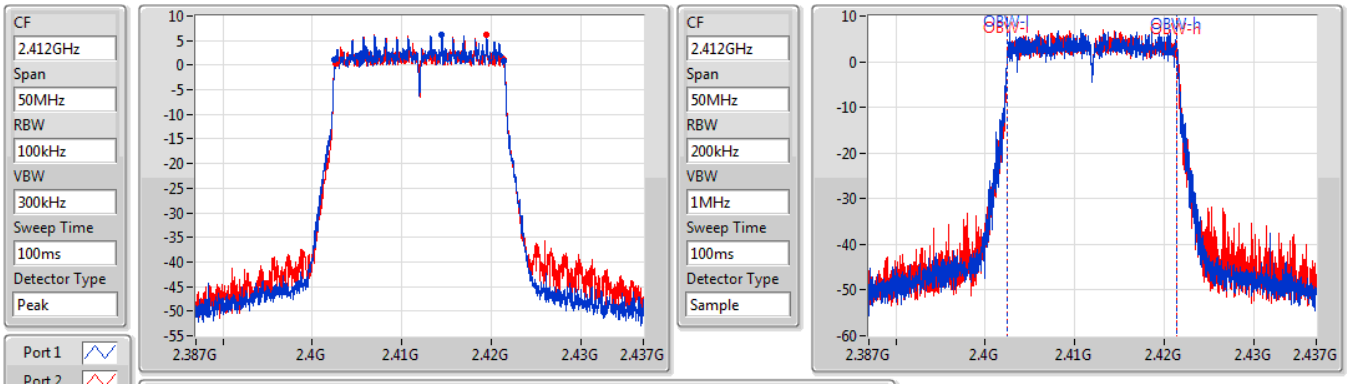


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.592M	2.453704G	2.470296G	500k	1
16.35M	2.4538G	2.47015G	16.592M	2.453679G	2.470271G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

26/09/2019

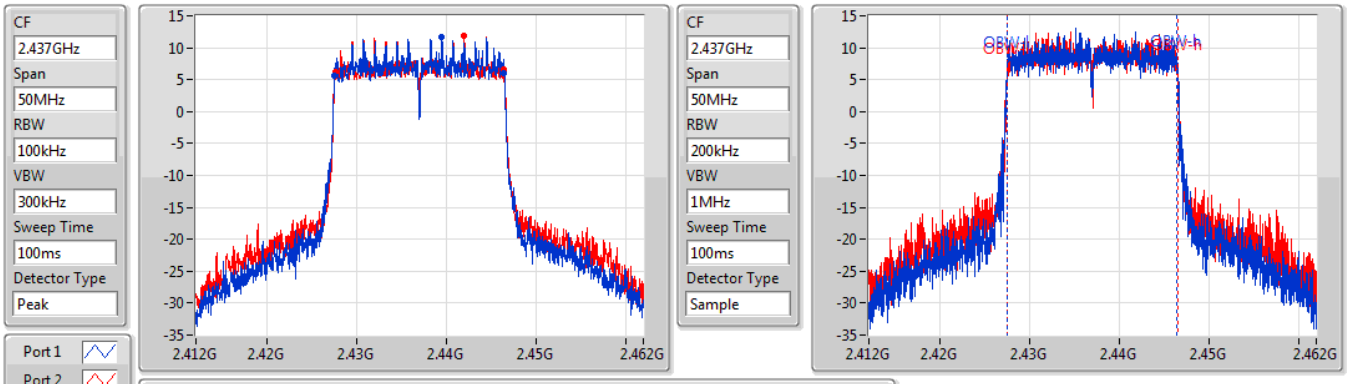


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.402525G	2.42145G	18.991M	2.40248G	2.42147G	500k	1
18.85M	2.4026G	2.42145G	18.941M	2.402505G	2.421445G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

26/09/2019

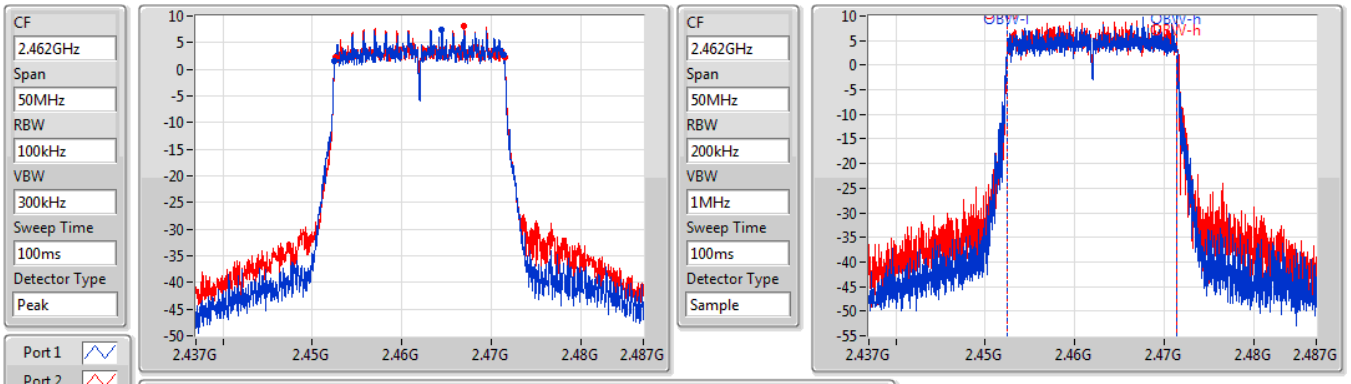


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4275G	2.44645G	19.04M	2.42743G	2.44647G	500k	1
18.8M	2.4276G	2.4464G	19.04M	2.427455G	2.446495G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

26/09/2019

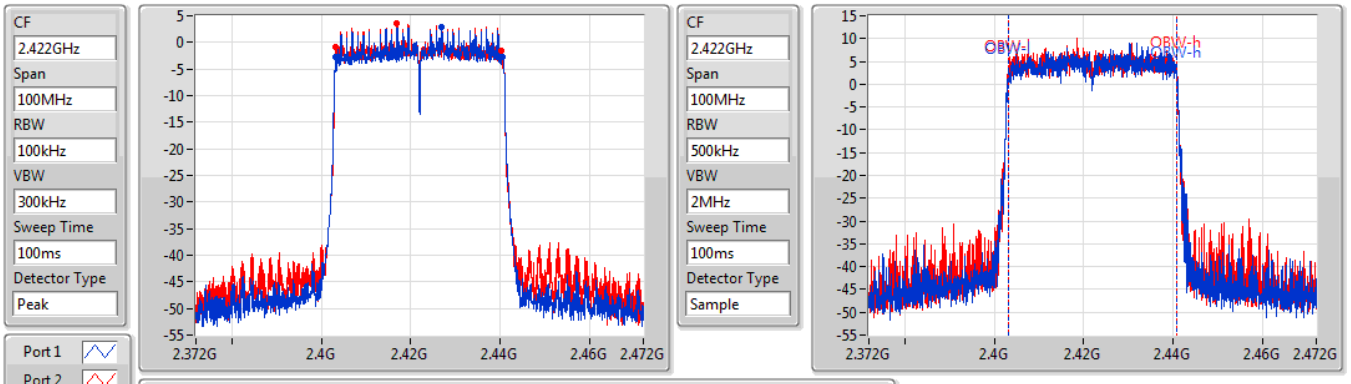


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	18.966M	2.45248G	2.471445G	500k	1
18.85M	2.452625G	2.471475G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

26/09/2019

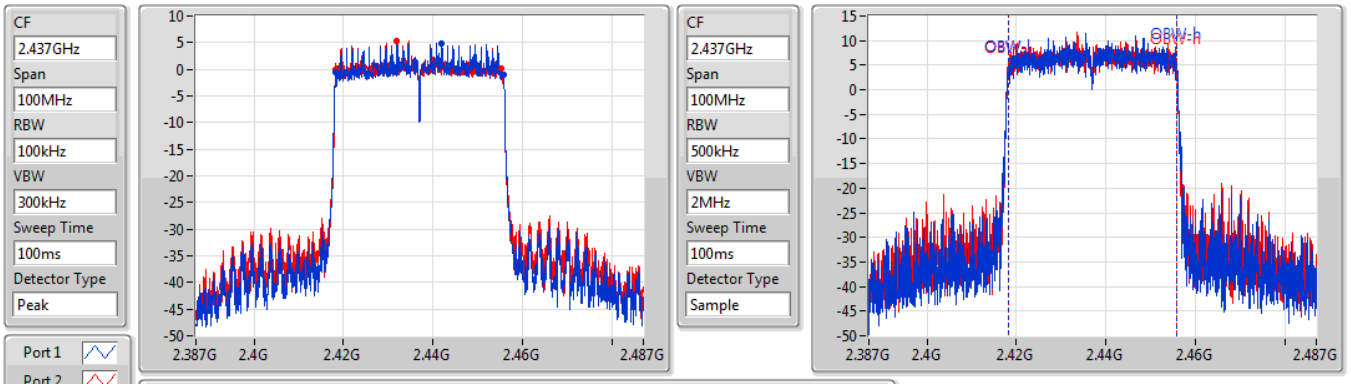


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4032G	2.44065G	37.531M	2.403209G	2.440741G	500k	1
37M	2.4032G	2.4402G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

26/09/2019

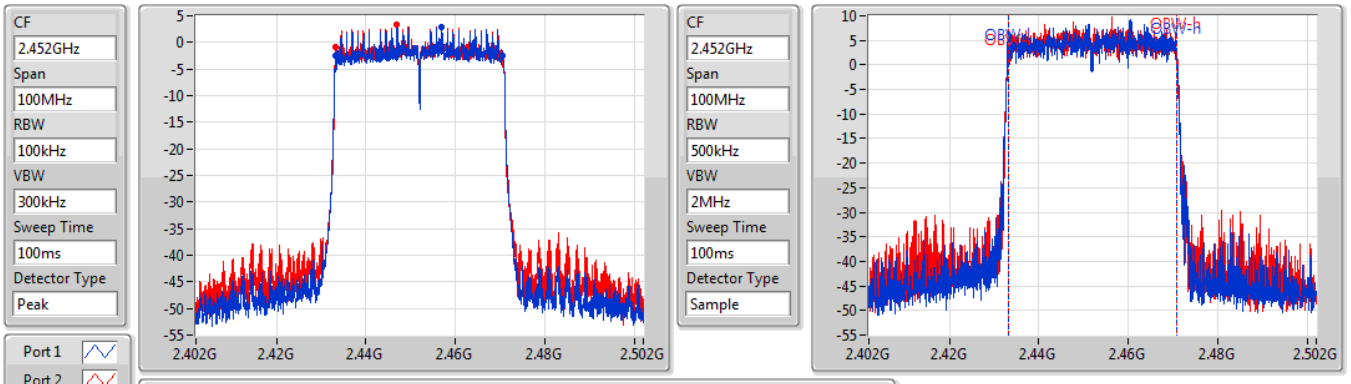


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.41815G	2.4557G	37.581M	2.418209G	2.455791G	500k	1
37.05M	2.41815G	2.4552G	37.531M	2.418209G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

26/09/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.43315G	2.47065G	37.531M	2.433159G	2.470691G	500k	1
37.1M	2.4332G	2.4703G	37.481M	2.433259G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.975M	19.115M	19M1D1D	18.9M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.631M	37M6D1D	37.45M	37.431M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

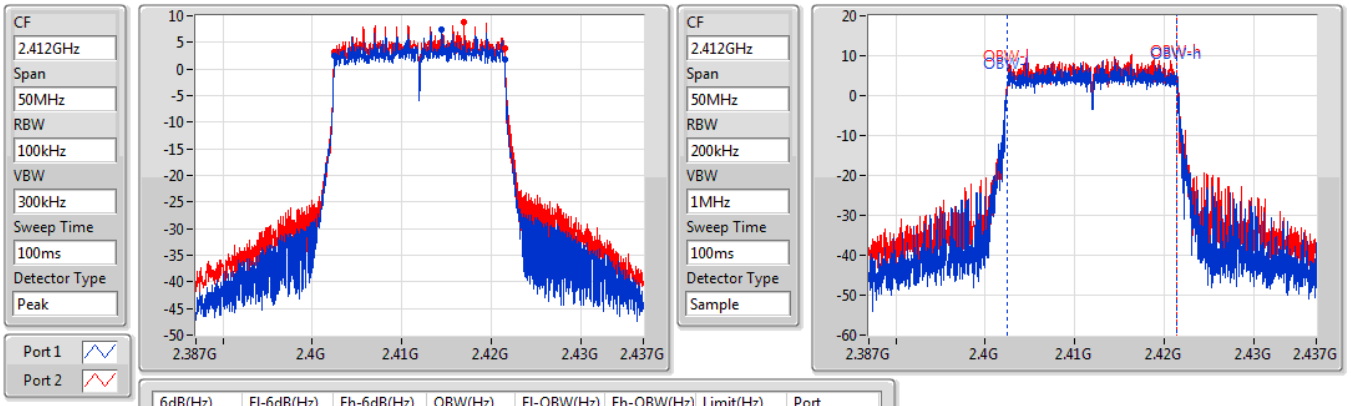
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.015M	18.95M	18.991M
2437MHz	Pass	500k	18.9M	19.015M	18.9M	19.115M
2462MHz	Pass	500k	18.975M	18.941M	18.95M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.45M	37.481M	37.6M	37.581M
2437MHz	Pass	500k	37.45M	37.631M	37.55M	37.431M
2452MHz	Pass	500k	37.5M	37.531M	37.55M	37.581M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

13/10/2019

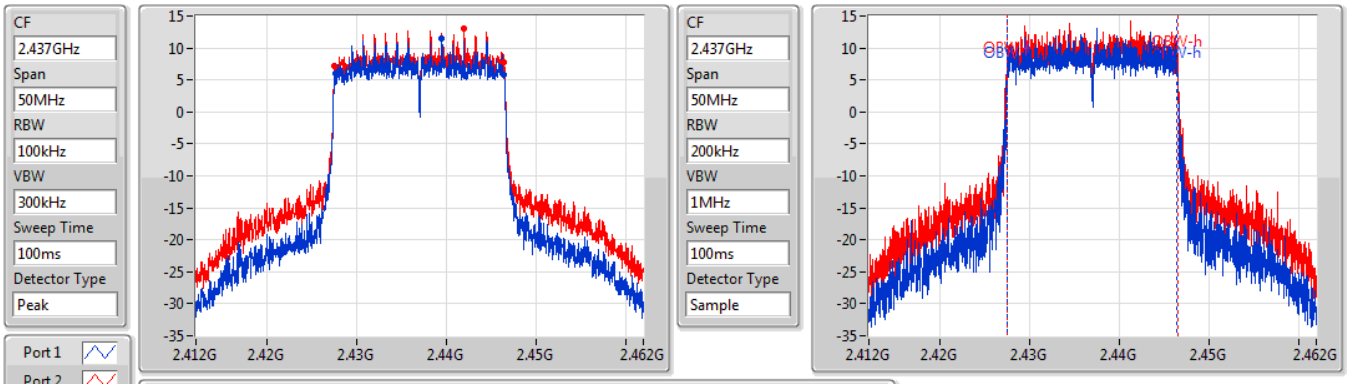


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	19.015M	2.402455G	2.42147G	500k	1
18.95M	2.402525G	2.421475G	18.991M	2.40248G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

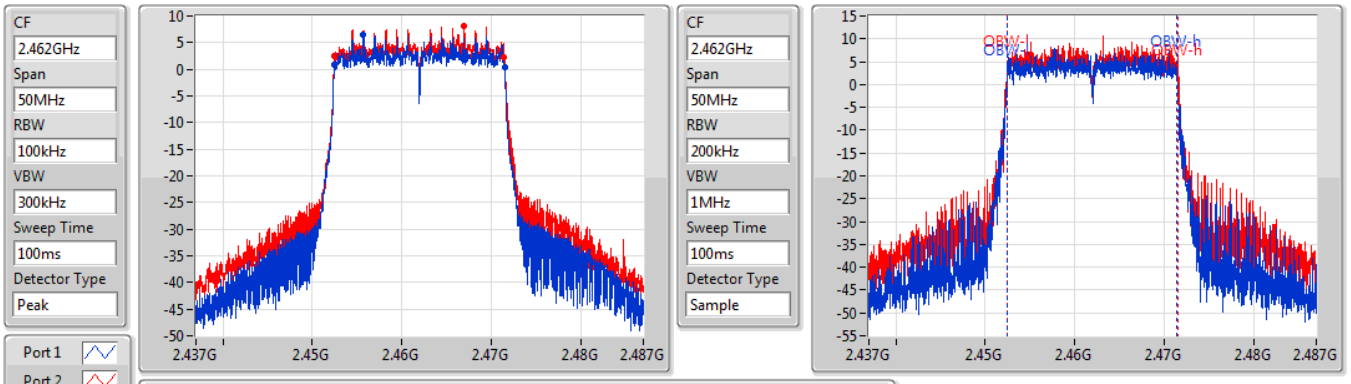


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.42755G	2.44645G	19.015M	2.427455G	2.44647G	500k	1
18.9M	2.427525G	2.446425G	19.115M	2.427405G	2.44652G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

13/10/2019

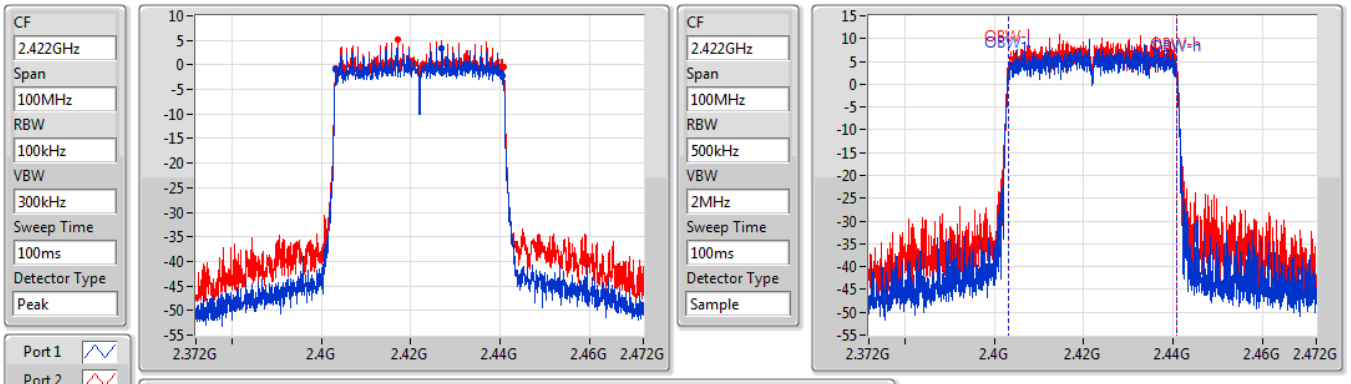


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.941M	2.45248G	2.47142G	500k	1
18.95M	2.4525G	2.47145G	19.015M	2.45248G	2.471495G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

13/10/2019

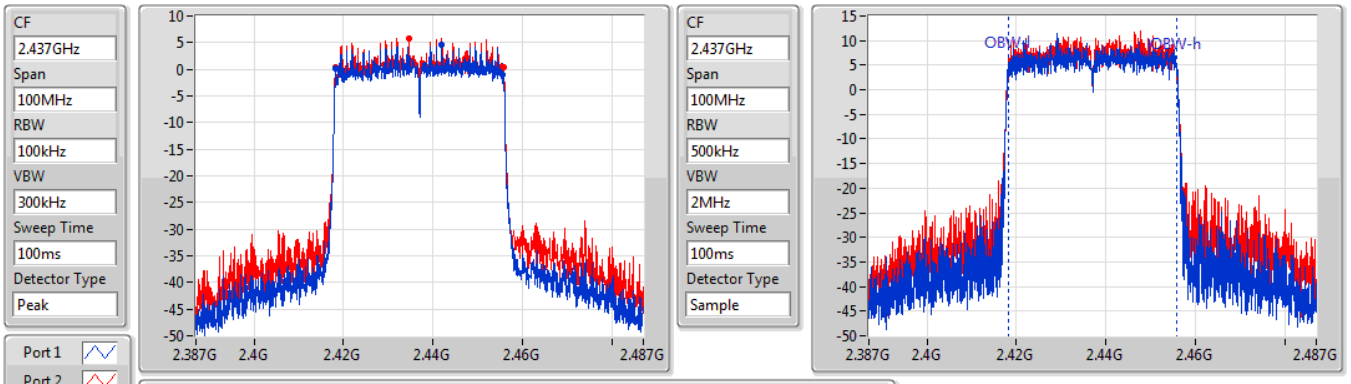


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4032G	2.44065G	37.481M	2.403259G	2.440741G	500k	1
37.6M	2.4032G	2.4408G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

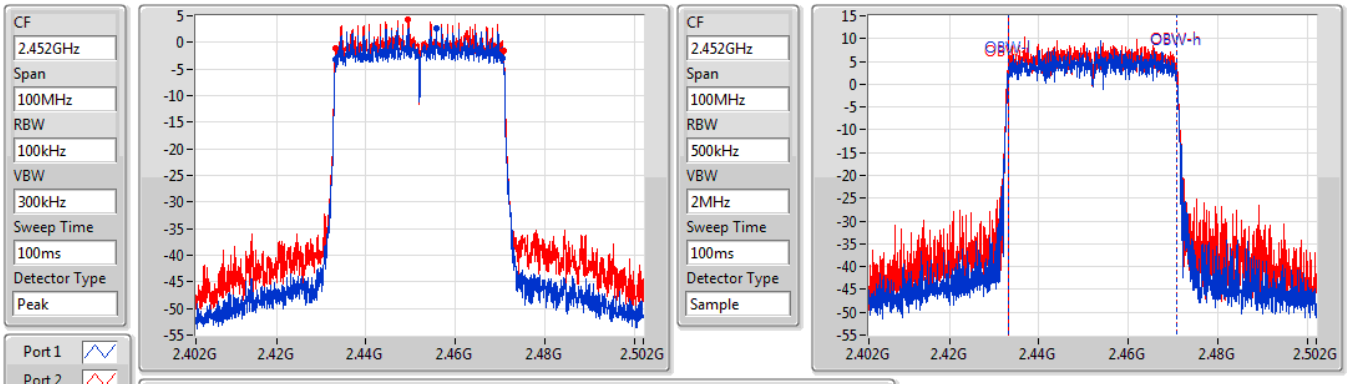


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4182G	2.45565G	37.631M	2.418159G	2.455791G	500k	1
37.55M	2.4182G	2.45575G	37.431M	2.418259G	2.455691G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

13/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.43315G	2.47065G	37.531M	2.433209G	2.470741G	500k	1
37.55M	2.43325G	2.4708G	37.581M	2.433159G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	9.05M	14.093M	14M1G1D	7.025M	10.545M
802.11g_Nss1,(6Mbps)_1TX	16.35M	17.066M	17M1D1D	16.325M	16.592M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.115M	19M1D1D	18.875M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.5M	37.581M	37M6D1D	36.95M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

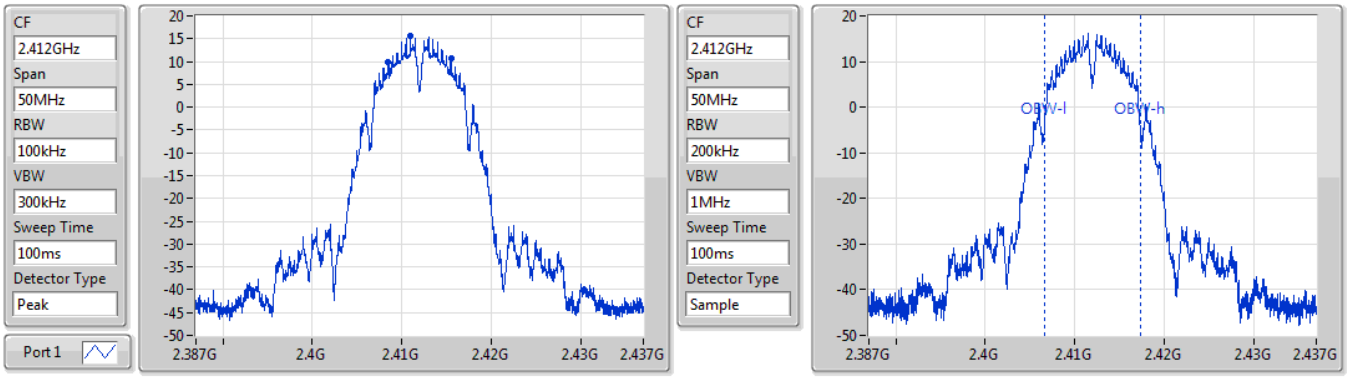
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.025M	10.77M
2437MHz	Pass	500k	9.05M	14.093M
2462MHz	Pass	500k	7.025M	10.545M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.35M	16.617M
2437MHz	Pass	500k	16.325M	17.066M
2462MHz	Pass	500k	16.35M	16.592M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.95M	18.991M
2437MHz	Pass	500k	18.875M	19.115M
2462MHz	Pass	500k	18.975M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.45M	37.581M
2437MHz	Pass	500k	37.5M	37.481M
2452MHz	Pass	500k	36.95M	37.581M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

09/10/2019

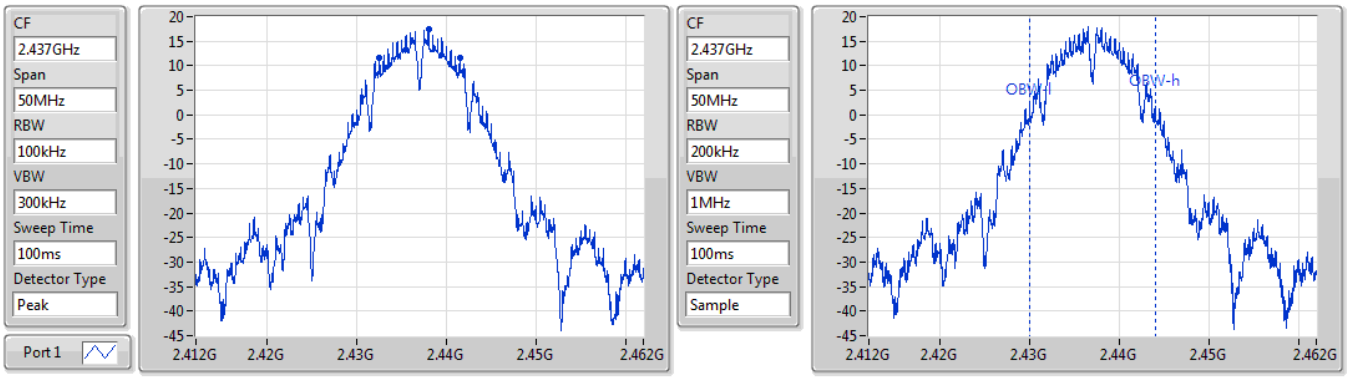


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	10.77M	2.406603G	2.417372G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

09/10/2019

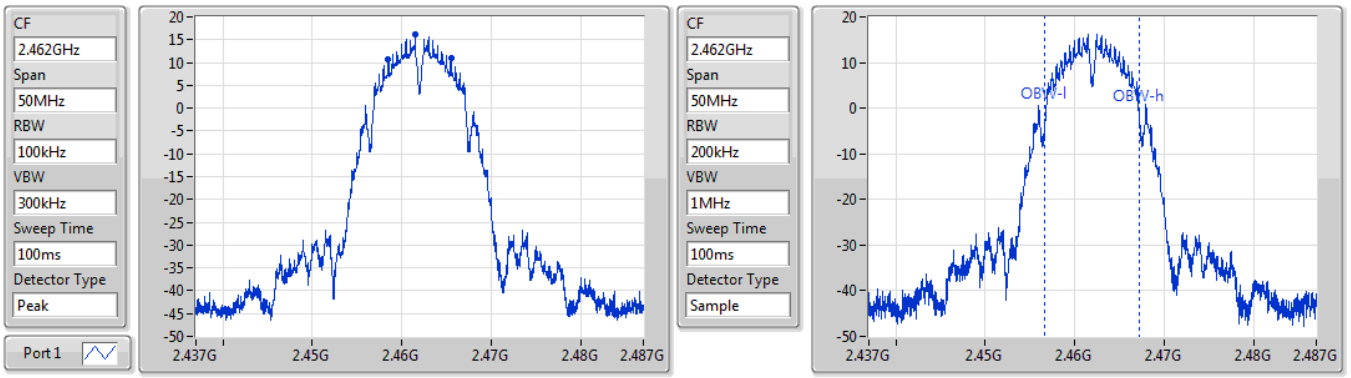


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.05M	2.432475G	2.441525G	14.093M	2.429929G	2.444021G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

09/10/2019

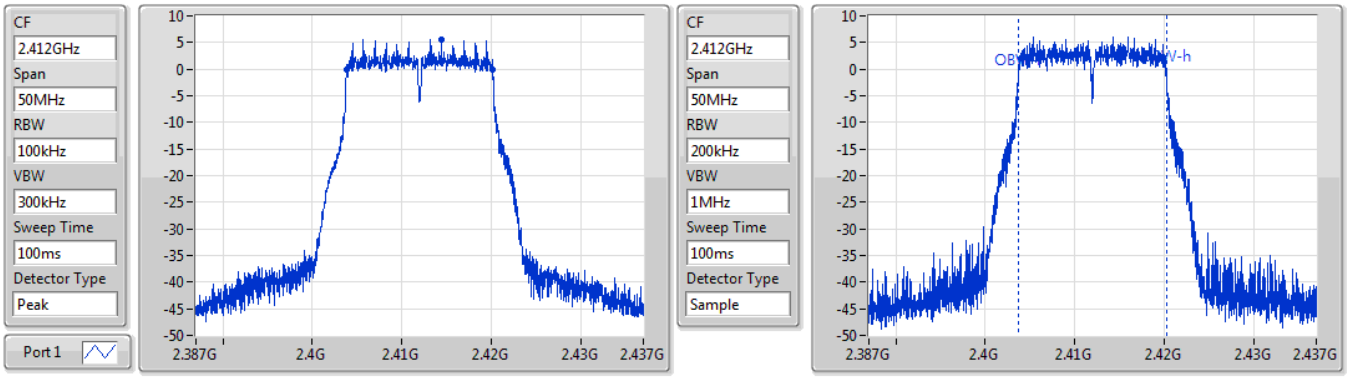


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.545M	2.456703G	2.467247G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

09/10/2019

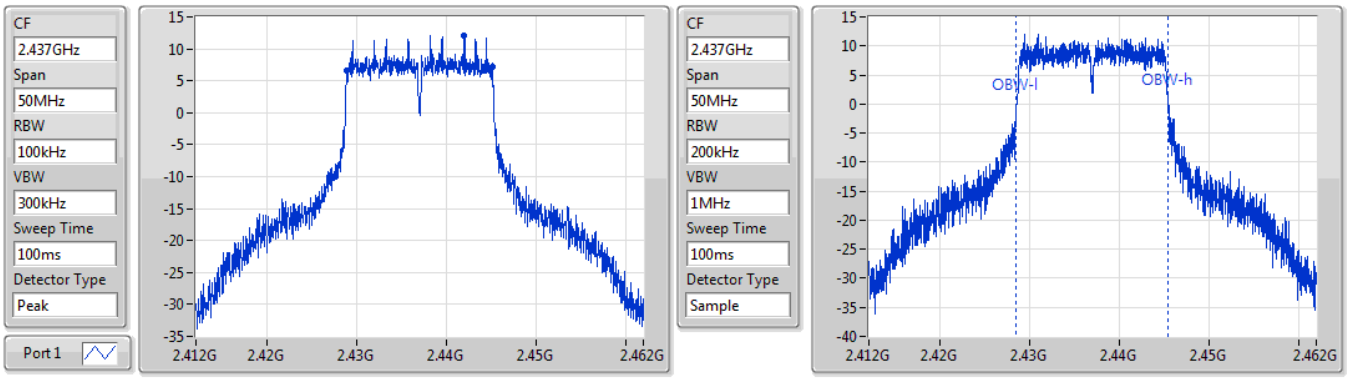


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.403825G	2.420175G	16.617M	2.403679G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

09/10/2019

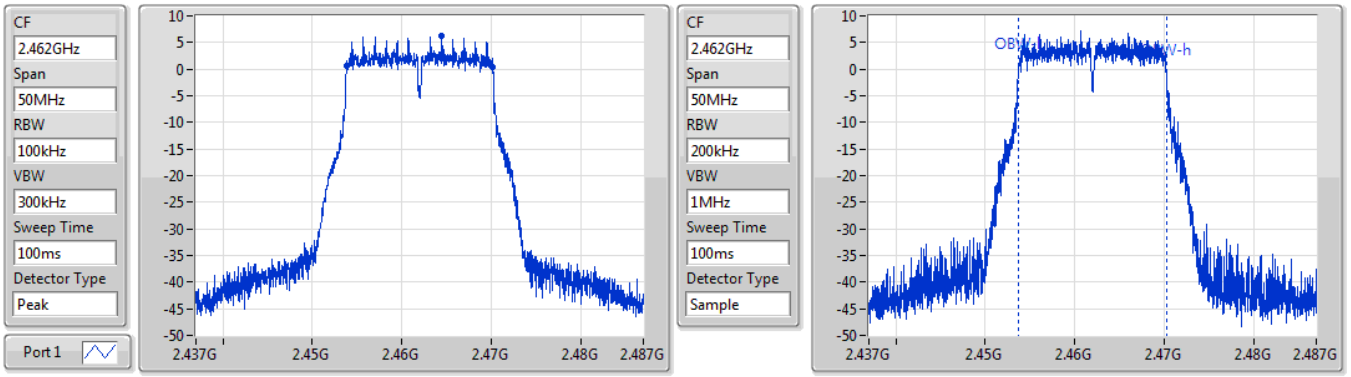


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	17.066M	2.428429G	2.445496G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

09/10/2019

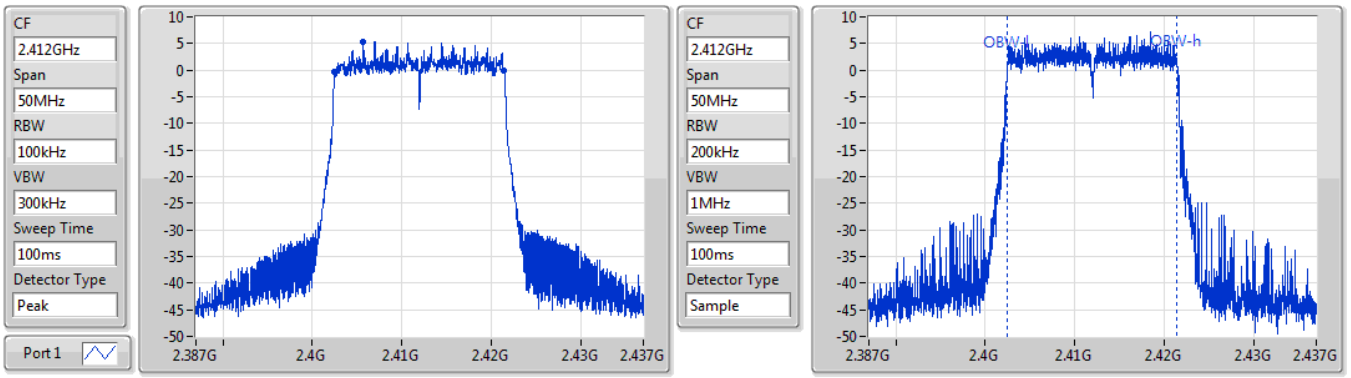


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.592M	2.453679G	2.470271G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

09/10/2019

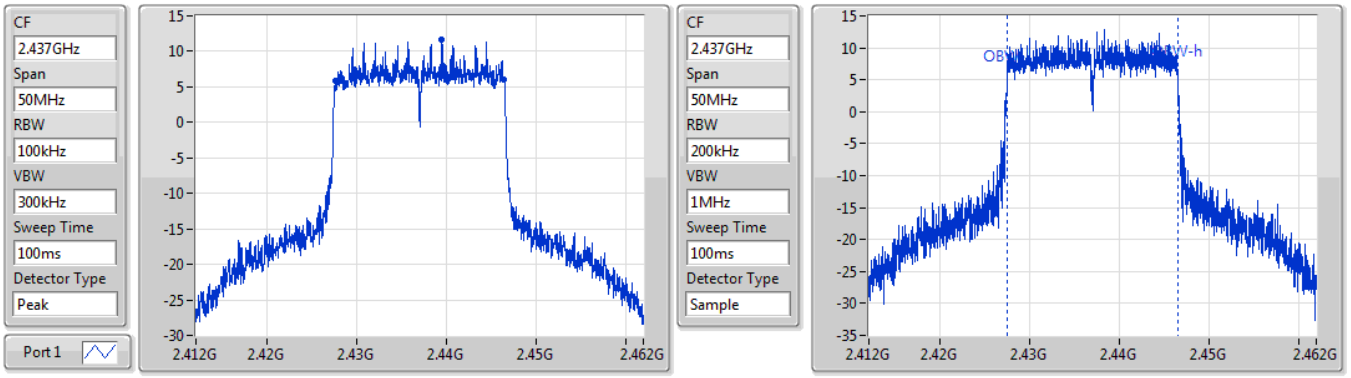


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4025G	2.42145G	18.991M	2.40248G	2.42147G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

09/10/2019

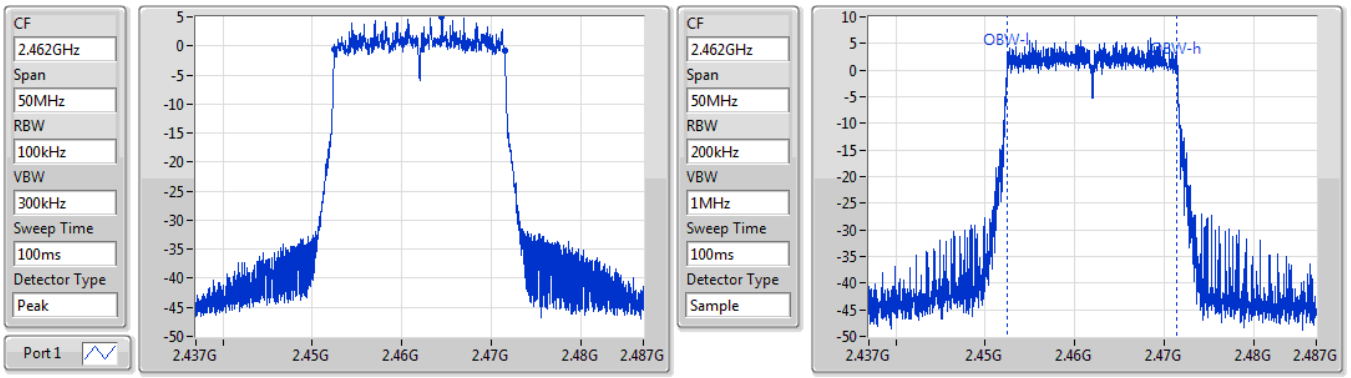


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.427575G	2.44645G	19.115M	2.42743G	2.446545G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

09/10/2019

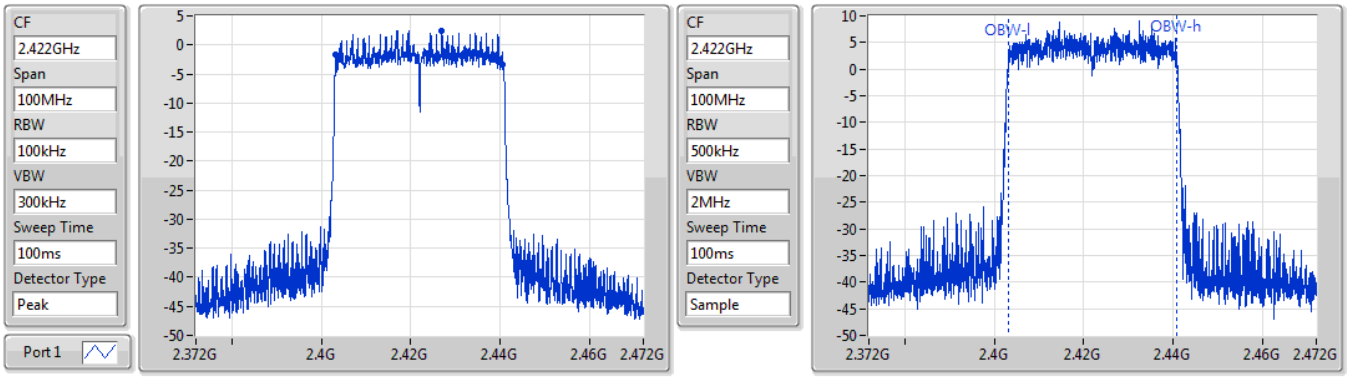


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.966M	2.45248G	2.471445G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

09/10/2019

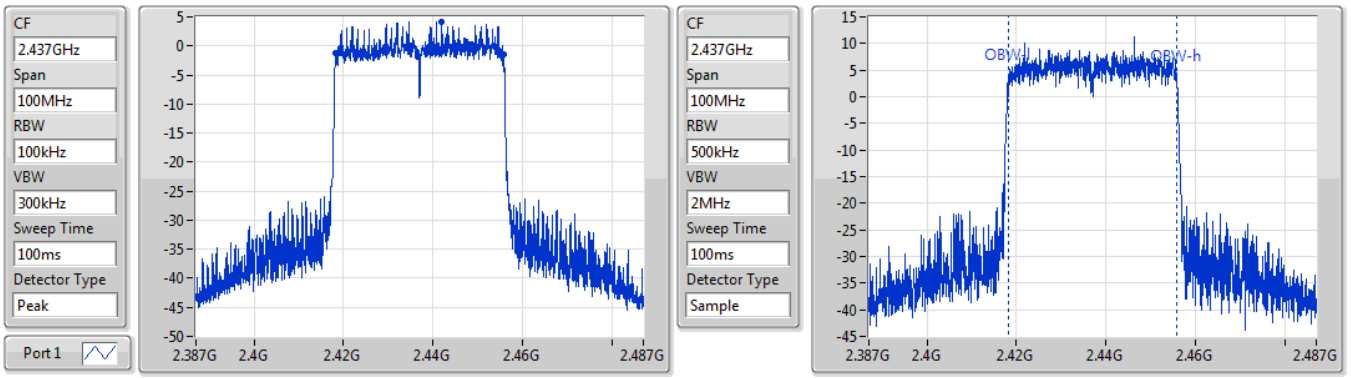


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4032G	2.44065G	37.581M	2.403209G	2.440791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

09/10/2019

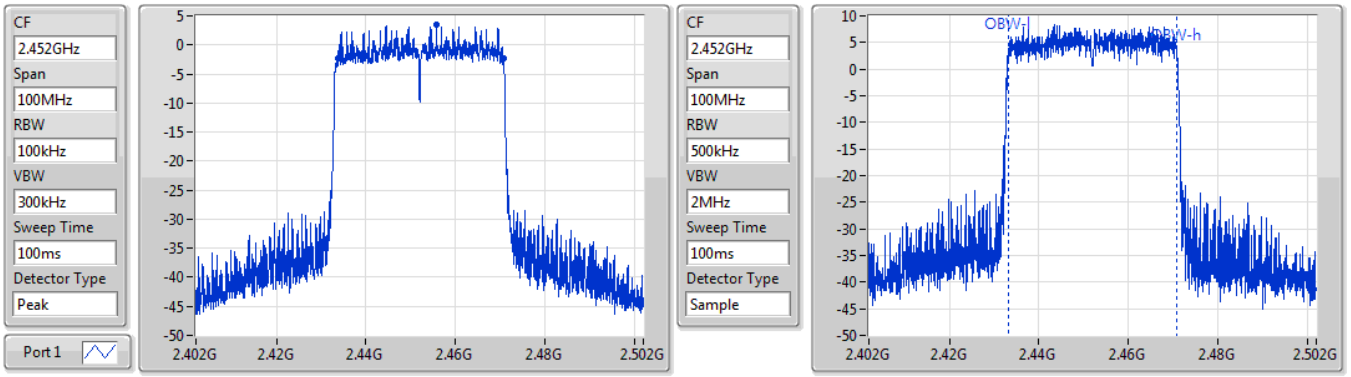


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4182G	2.4557G	37.481M	2.418259G	2.455741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

09/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.95M	2.43375G	2.4707G	37.581M	2.433209G	2.470791G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.075M	10.27M	10M3G1D	6.525M	10.195M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.717M	16M7D1D	16.325M	16.542M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.975M	18.991M	19M0D1D	18.725M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.6M	37.631M	37M6D1D	37M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

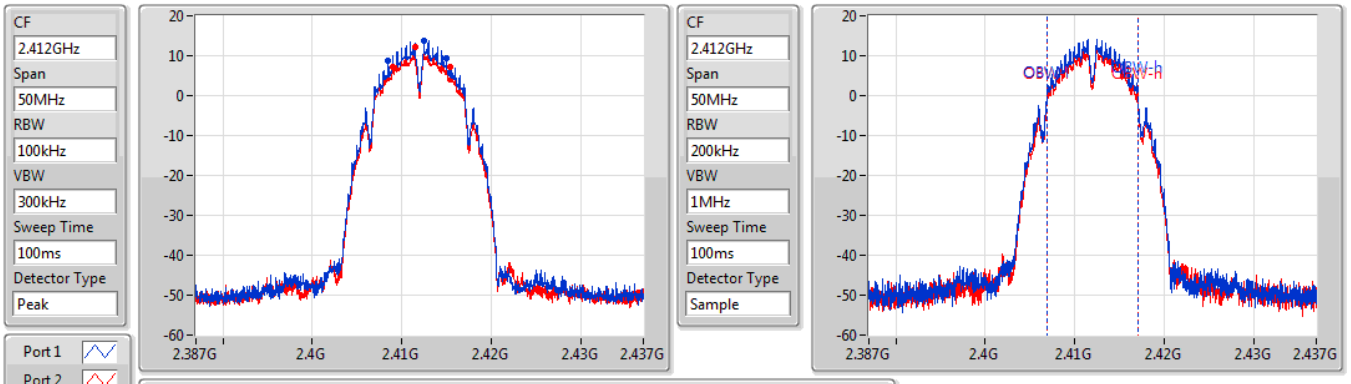
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	6.55M	10.22M	6.525M	10.195M
2437MHz	Pass	500k	7.075M	10.195M	7.05M	10.195M
2462MHz	Pass	500k	6.55M	10.245M	7.05M	10.27M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M	16.325M	16.592M
2437MHz	Pass	500k	16.325M	16.717M	16.35M	16.617M
2462MHz	Pass	500k	16.35M	16.617M	16.325M	16.542M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	18.966M	18.85M	18.966M
2437MHz	Pass	500k	18.95M	18.991M	18.725M	18.966M
2462MHz	Pass	500k	18.925M	18.991M	18.9M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.481M	37M	37.531M
2437MHz	Pass	500k	37.55M	37.631M	37.05M	37.481M
2452MHz	Pass	500k	37.6M	37.531M	37.15M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

09/10/2019

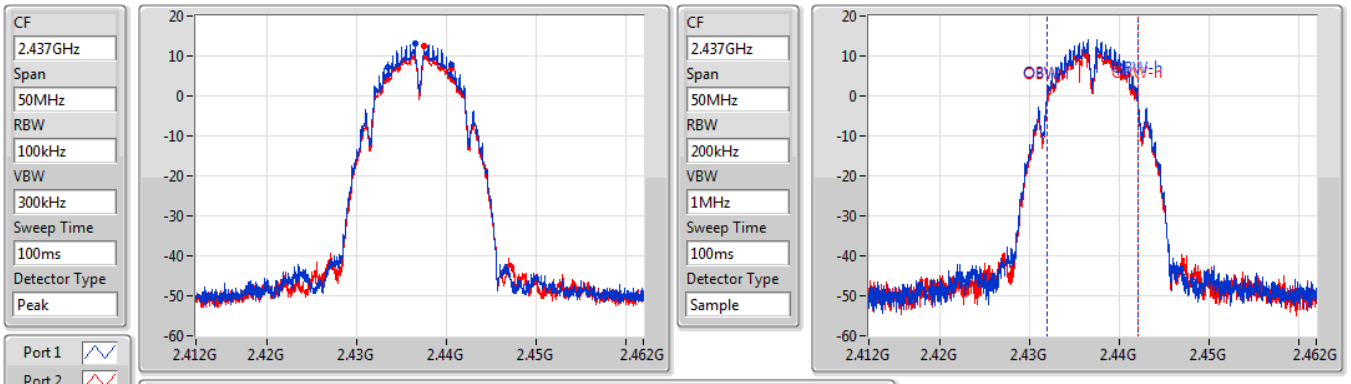


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.408475G	2.415025G	10.22M	2.406853G	2.417072G	500k	1
6.525M	2.40895G	2.415475G	10.195M	2.406878G	2.417072G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

09/10/2019

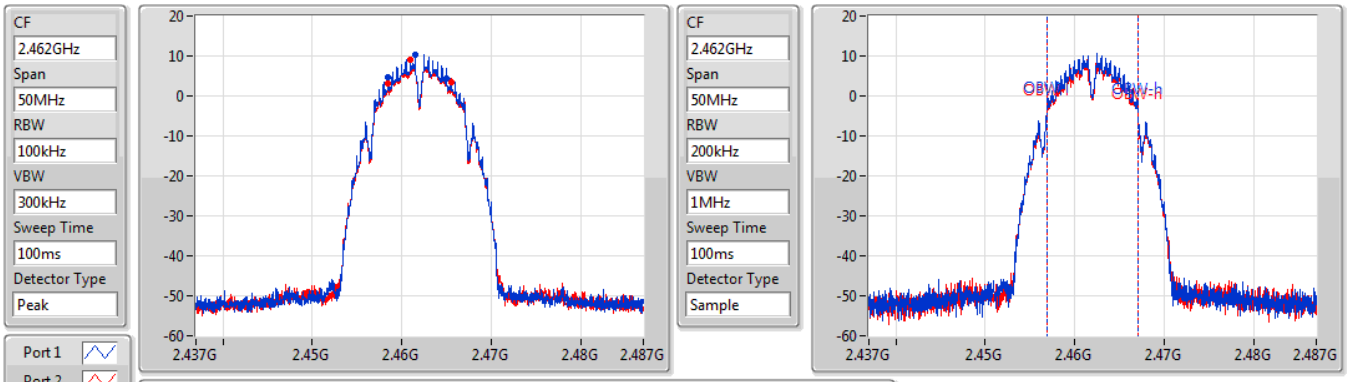


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.075M	2.43345G	2.440525G	10.195M	2.431878G	2.442072G	500k	1
7.05M	2.433475G	2.440525G	10.195M	2.431878G	2.442072G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

09/10/2019

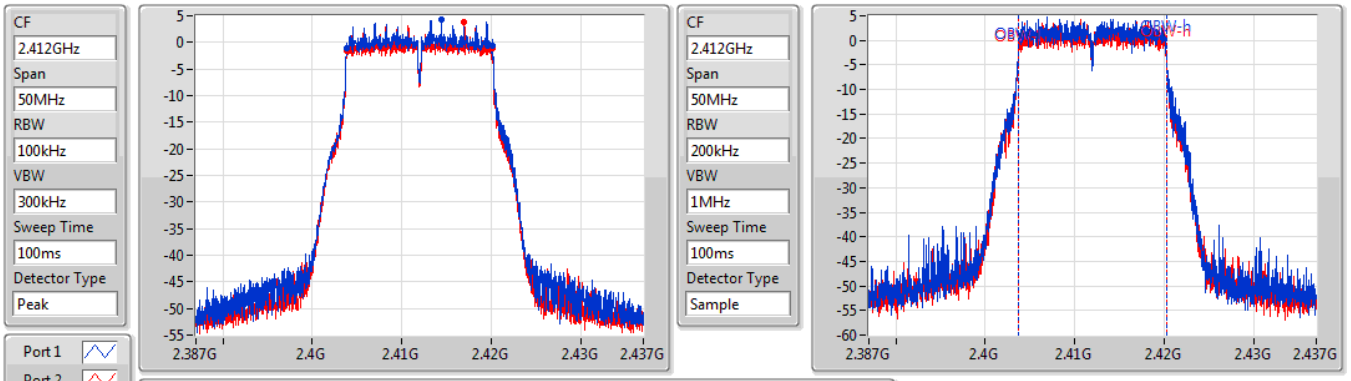


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.458475G	2.465025G	10.245M	2.456853G	2.467097G	500k	1
7.05M	2.458475G	2.465525G	10.27M	2.456853G	2.467122G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

09/10/2019

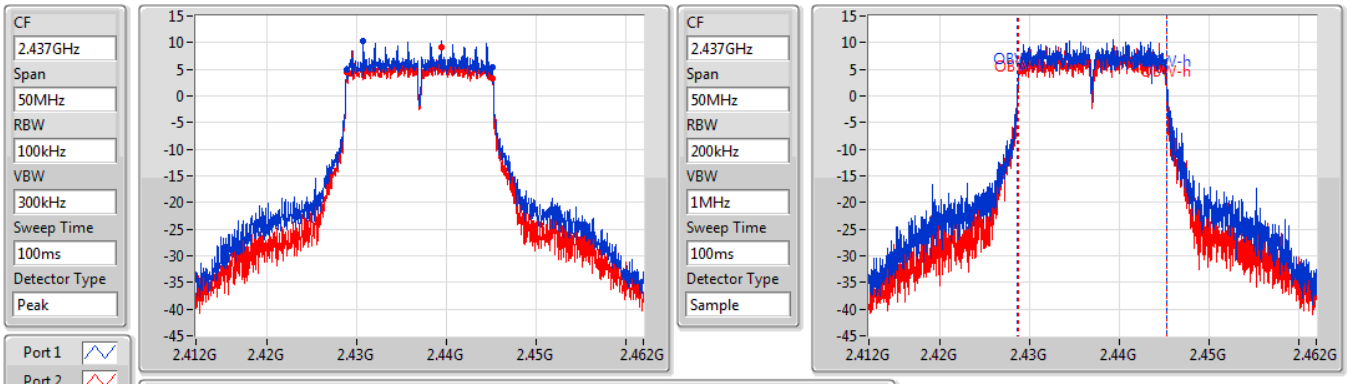


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.592M	2.403679G	2.420271G	500k	1
16.325M	2.403825G	2.42015G	16.592M	2.403679G	2.420271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

09/10/2019

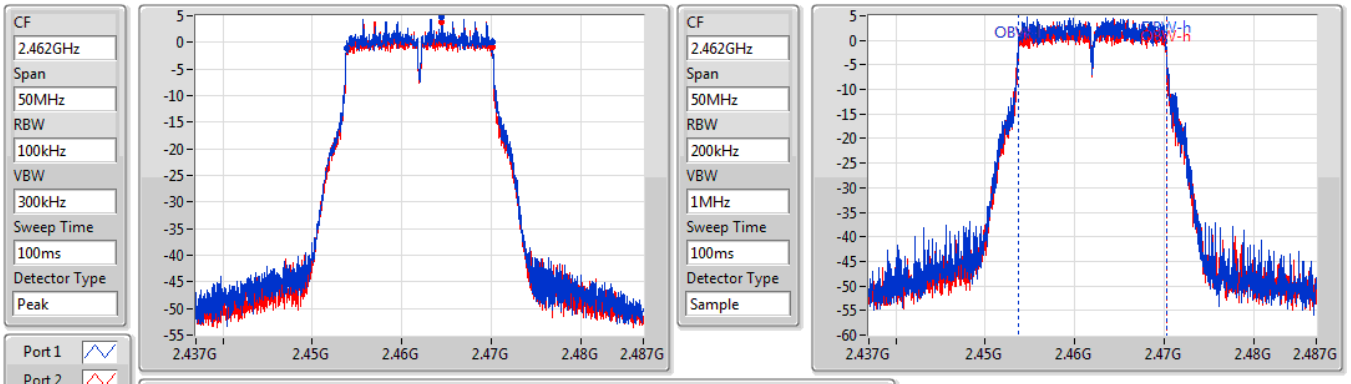


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.717M	2.428629G	2.445346G	500k	1
16.35M	2.428825G	2.445175G	16.617M	2.428654G	2.445271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

09/10/2019

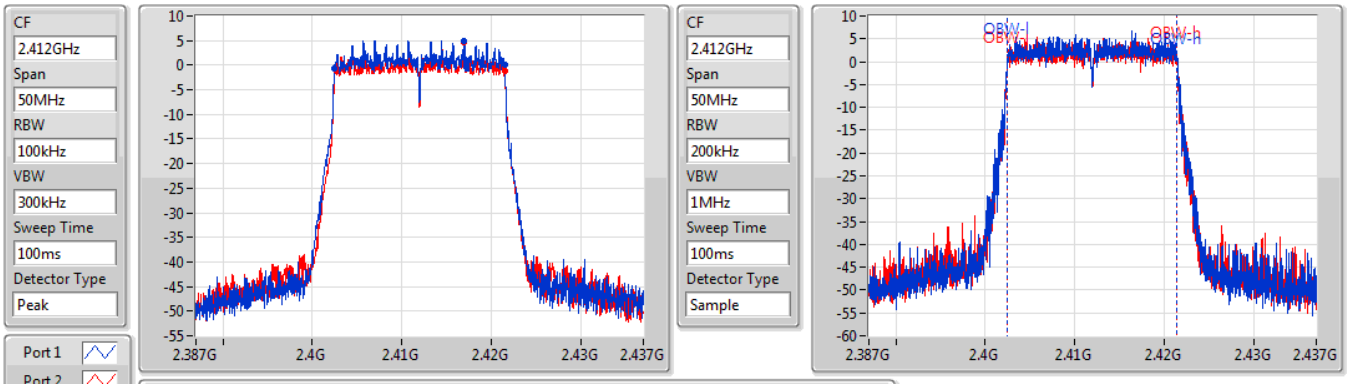


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.617M	2.453679G	2.470296G	500k	1
16.325M	2.453825G	2.47015G	16.542M	2.453704G	2.470246G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

09/10/2019

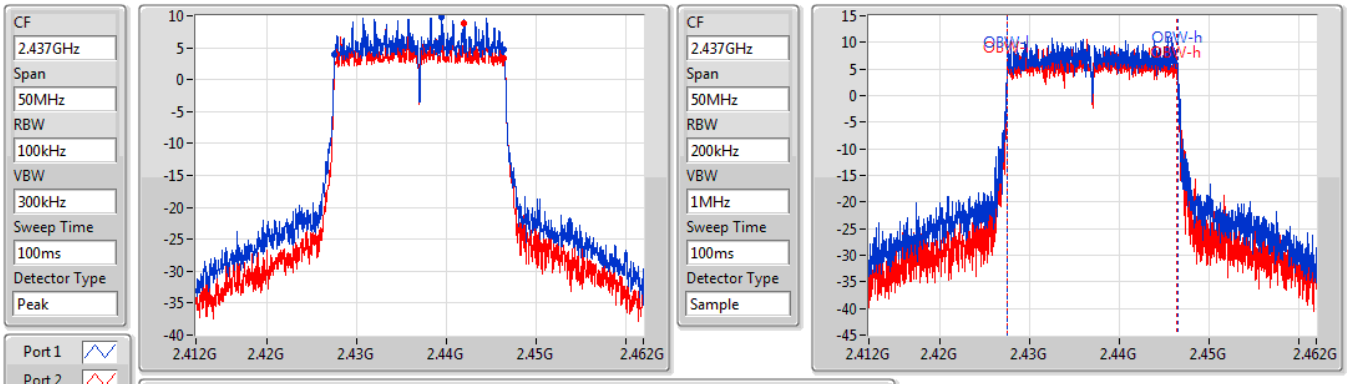


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	18.966M	2.402505G	2.42147G	500k	1
18.85M	2.402625G	2.421475G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

09/10/2019

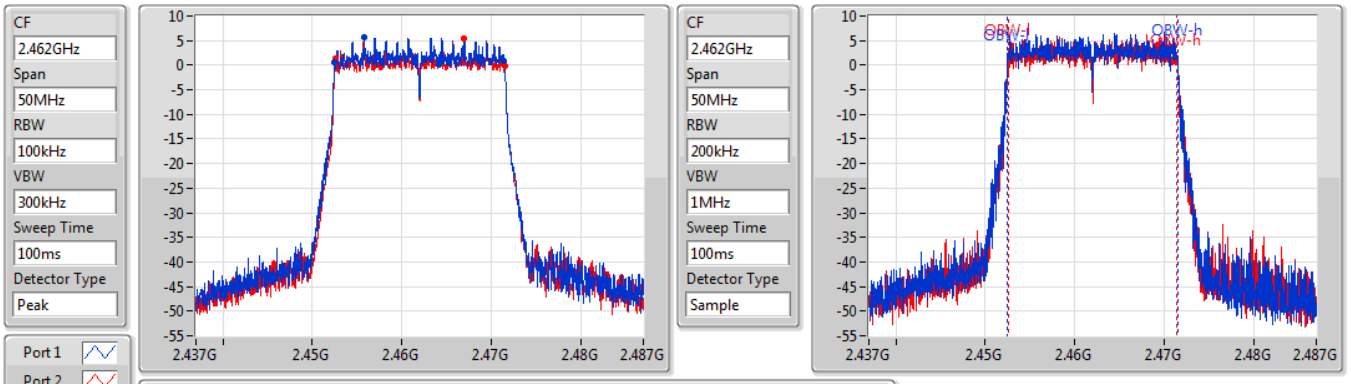


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4275G	2.44645G	18.991M	2.427505G	2.446495G	500k	1
18.725M	2.427725G	2.44645G	18.966M	2.427505G	2.44647G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

09/10/2019

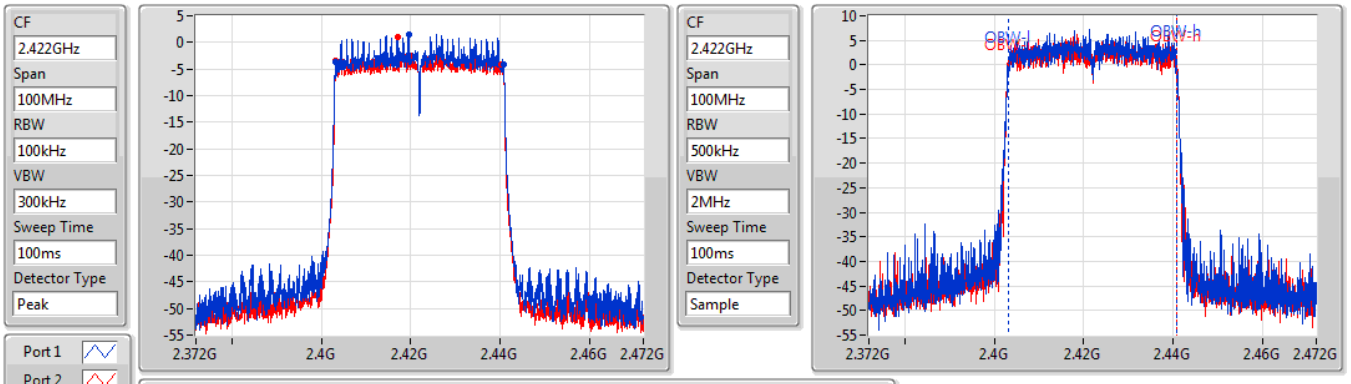


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.452525G	2.47145G	18.991M	2.452505G	2.471495G	500k	1
18.9M	2.452575G	2.471475G	18.941M	2.45253G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

09/10/2019

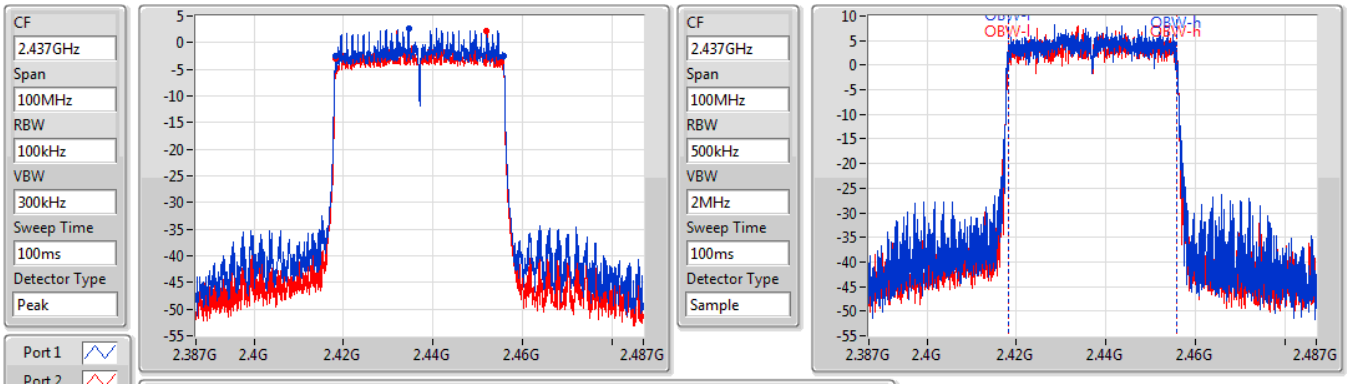


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.40315G	2.4407G	37.481M	2.403259G	2.440741G	500k	1
37M	2.4032G	2.4402G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

09/10/2019

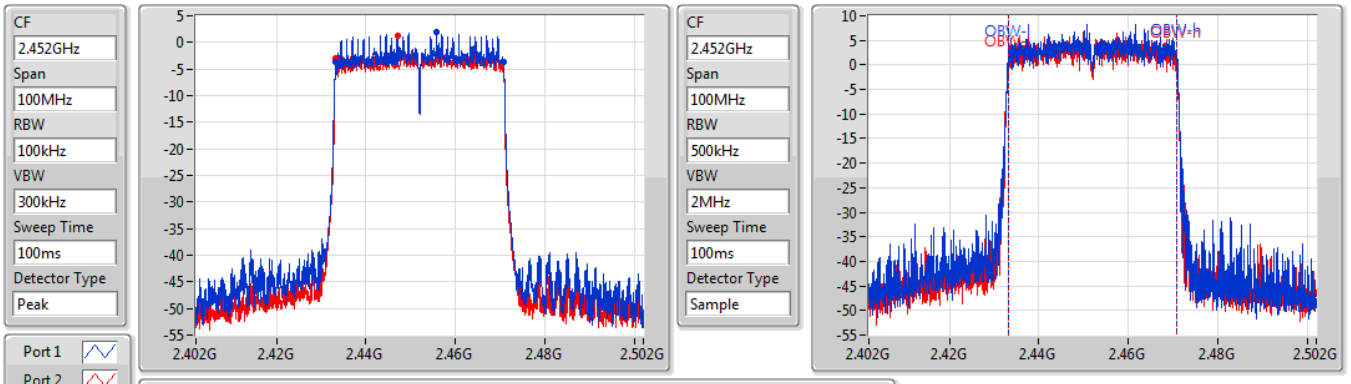


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4182G	2.45575G	37.631M	2.418109G	2.455741G	500k	1
37.05M	2.41825G	2.4553G	37.481M	2.418259G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

09/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.43315G	2.47075G	37.531M	2.433209G	2.470741G	500k	1
37.15M	2.4332G	2.47035G	37.481M	2.433259G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.115M	19M1D1D	18.85M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.65M	37.581M	37M6D1D	37.3M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

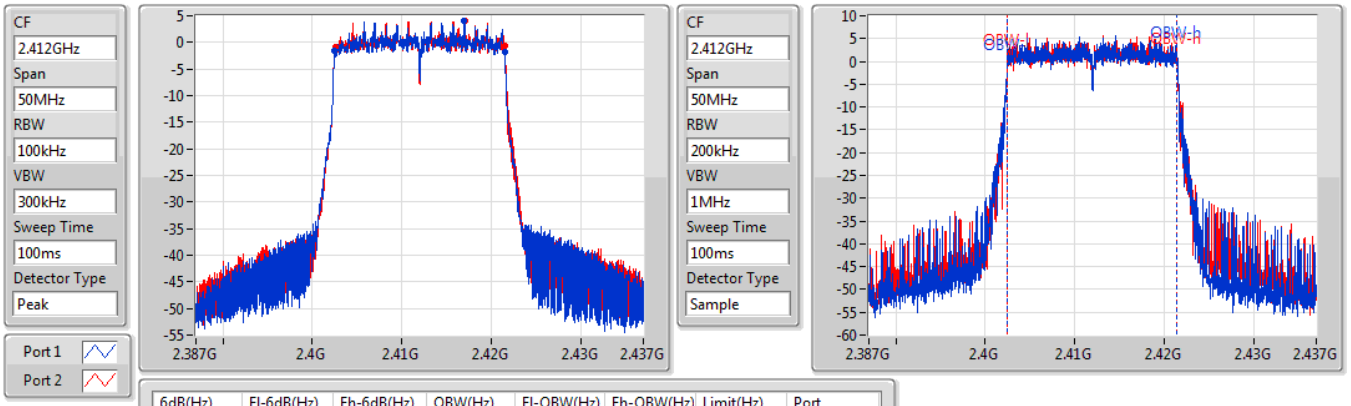
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	18.966M	18.95M	18.966M
2437MHz	Pass	500k	18.85M	19.115M	18.925M	19.015M
2462MHz	Pass	500k	18.925M	18.991M	18.975M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.55M	37.481M	37.3M	37.531M
2437MHz	Pass	500k	37.5M	37.481M	37.35M	37.481M
2452MHz	Pass	500k	37.55M	37.581M	37.65M	37.531M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

14/10/2019

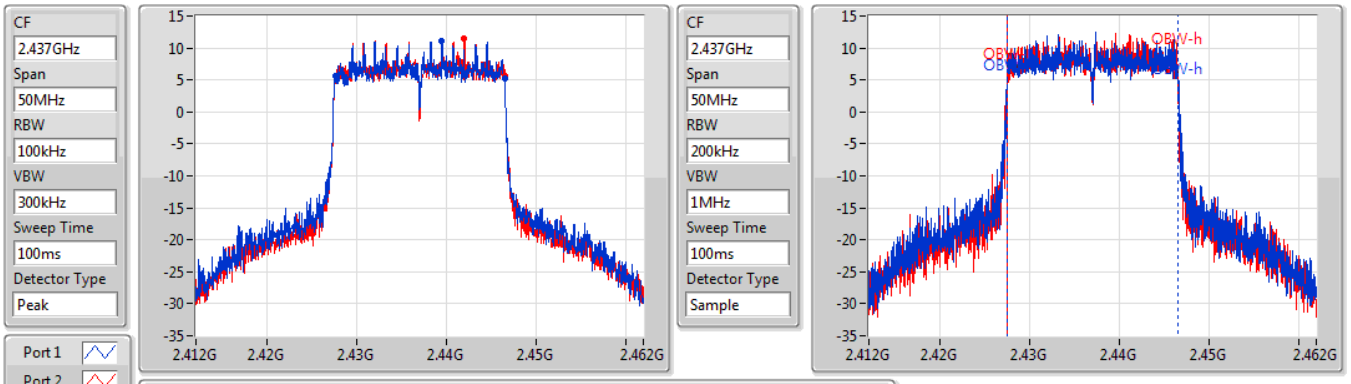


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4025G	2.4215G	18.966M	2.402505G	2.42147G	500k	1
18.95M	2.40255G	2.4215G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

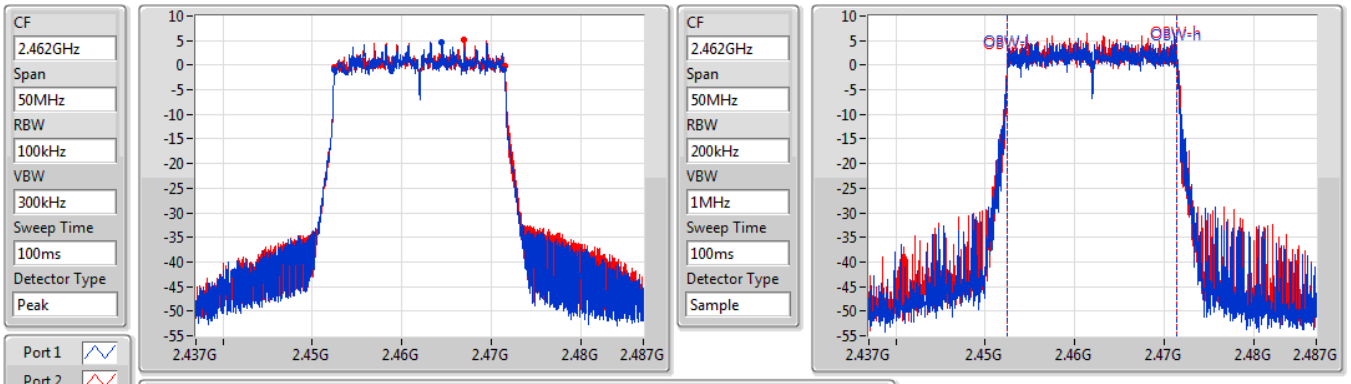


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.85M	2.427625G	2.446475G	19.115M	2.42743G	2.446545G	500k	1
18.925M	2.427575G	2.4465G	19.015M	2.42748G	2.446495G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

14/10/2019

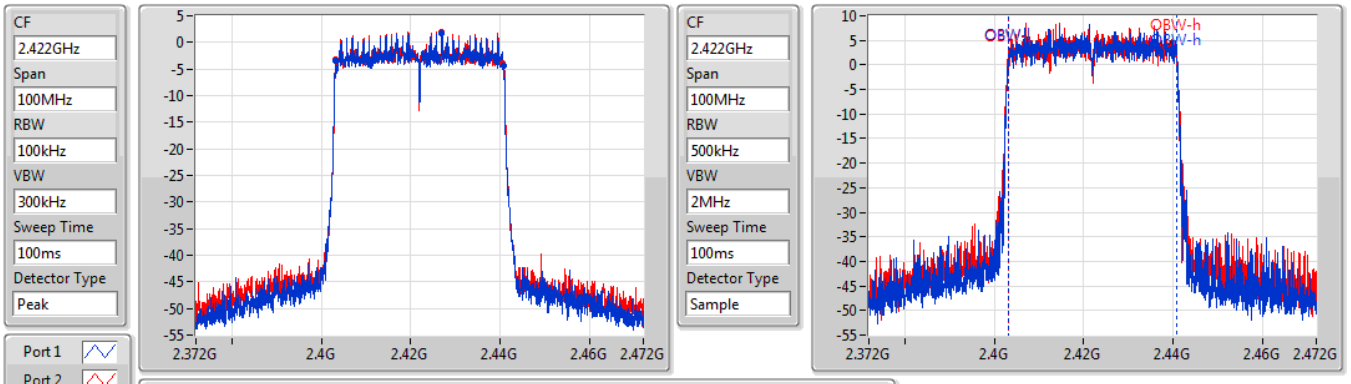


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.452525G	2.47145G	18.991M	2.45248G	2.47147G	500k	1
18.975M	2.452525G	2.4715G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

14/10/2019

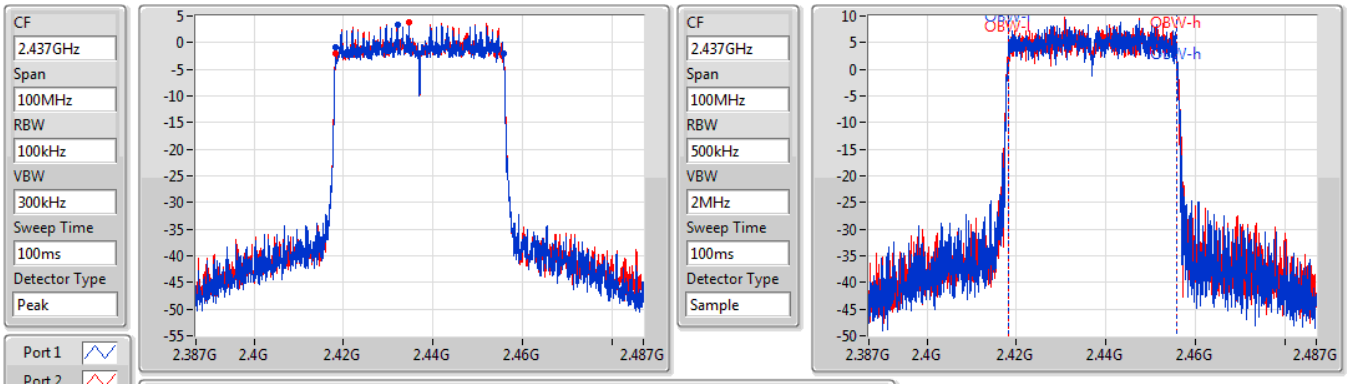


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4032G	2.44075G	37.481M	2.403259G	2.440741G	500k	1
37.3M	2.40325G	2.44055G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

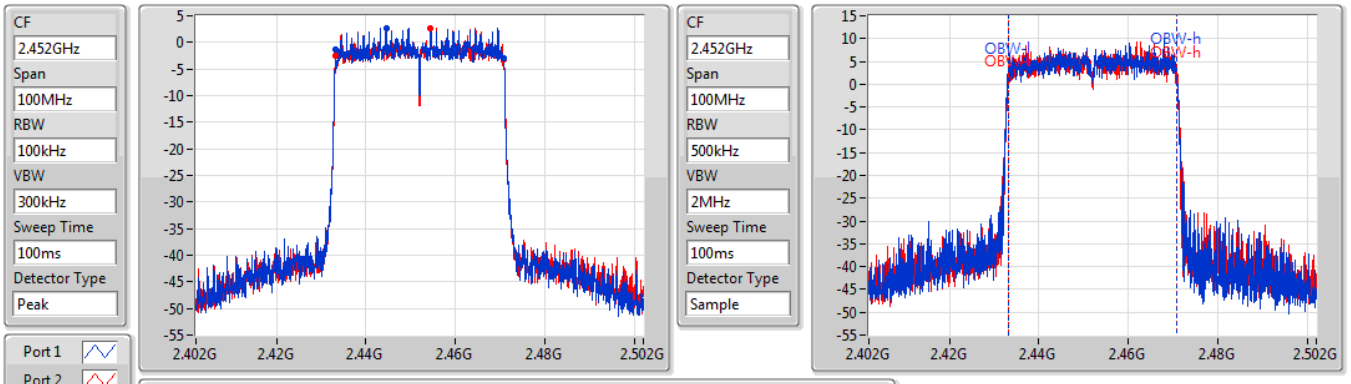


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4182G	2.4557G	37.481M	2.418259G	2.455741G	500k	1
37.35M	2.4182G	2.45555G	37.481M	2.418209G	2.455691G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

14/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4332G	2.47075G	37.581M	2.433159G	2.470741G	500k	1
37.65M	2.4332G	2.47085G	37.531M	2.433209G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.025M	10.82M	10M8G1D	7M	10.195M
802.11g_Nss1,(6Mbps)_1TX	16.35M	16.842M	16M8D1D	16.325M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.065M	19M1D1D	18.7M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.6M	37.531M	37M5D1D	37.55M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

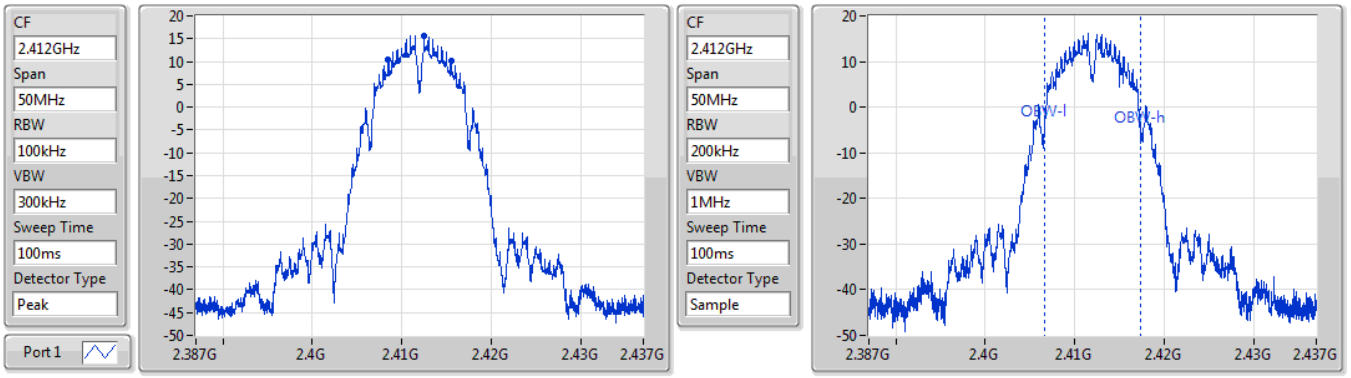
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7M	10.82M
2437MHz	Pass	500k	7.025M	10.445M
2462MHz	Pass	500k	7.025M	10.195M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M
2437MHz	Pass	500k	16.325M	16.842M
2462MHz	Pass	500k	16.35M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.975M	18.941M
2437MHz	Pass	500k	18.7M	19.065M
2462MHz	Pass	500k	18.95M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.6M	37.531M
2437MHz	Pass	500k	37.55M	37.531M
2452MHz	Pass	500k	37.55M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

10/10/2019

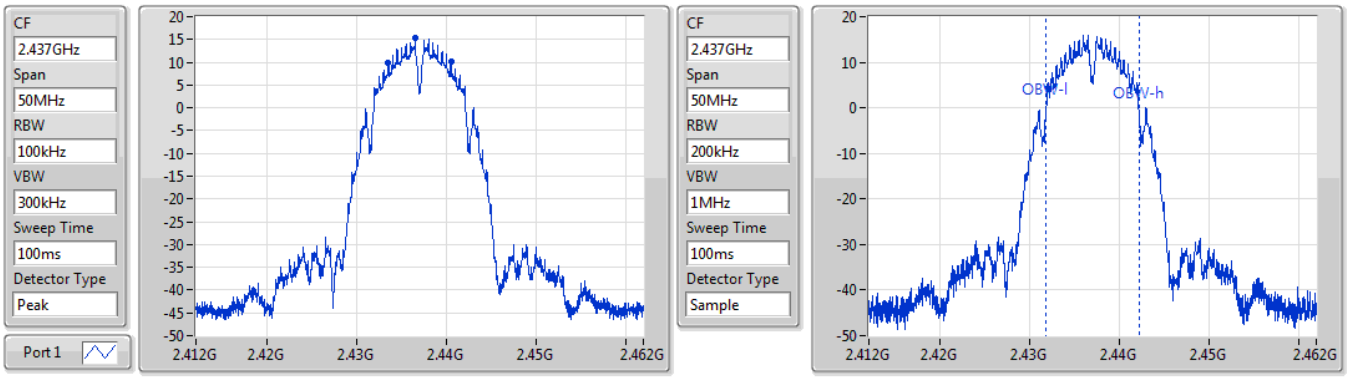


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4085G	2.4155G	10.82M	2.406603G	2.417422G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

10/10/2019

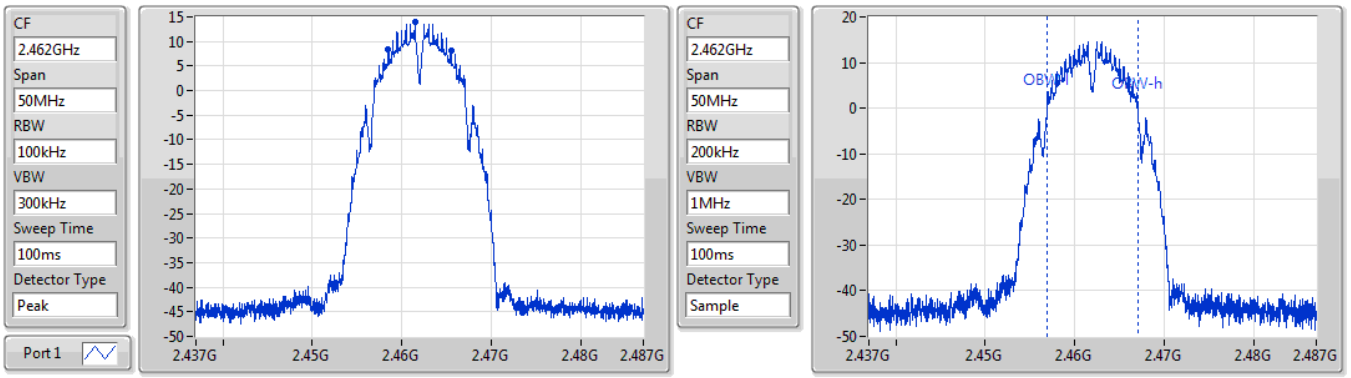


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.433475G	2.4405G	10.445M	2.431778G	2.442222G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

10/10/2019

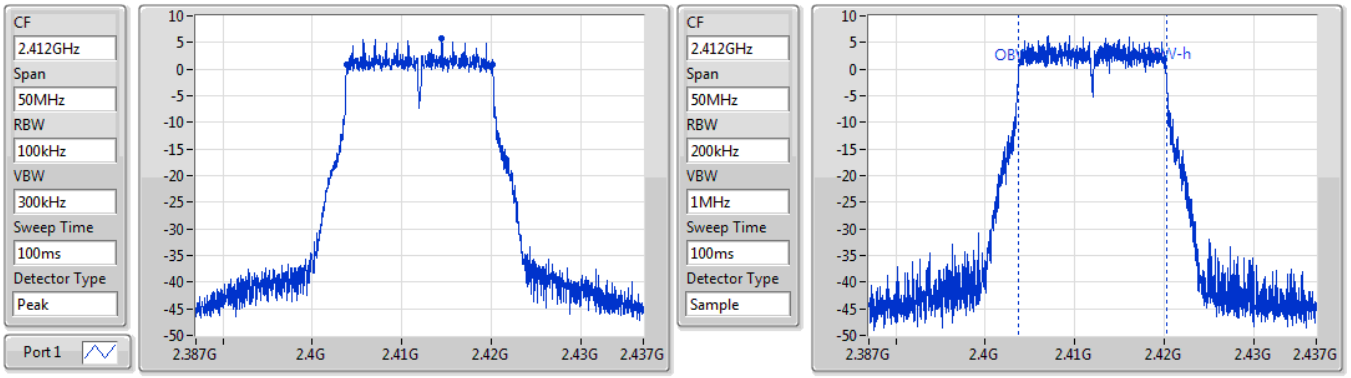


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.195M	2.456903G	2.467097G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

10/10/2019

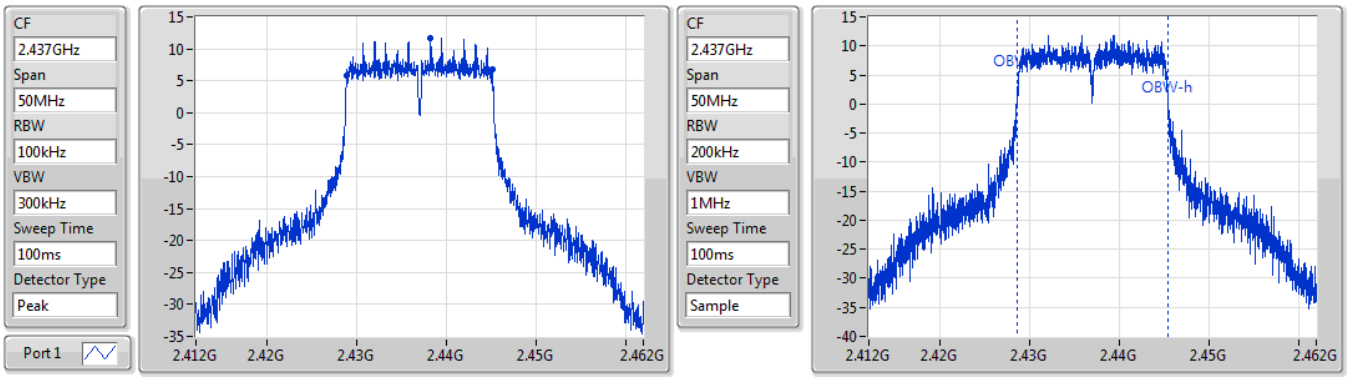


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.592M	2.403679G	2.420271G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

10/10/2019

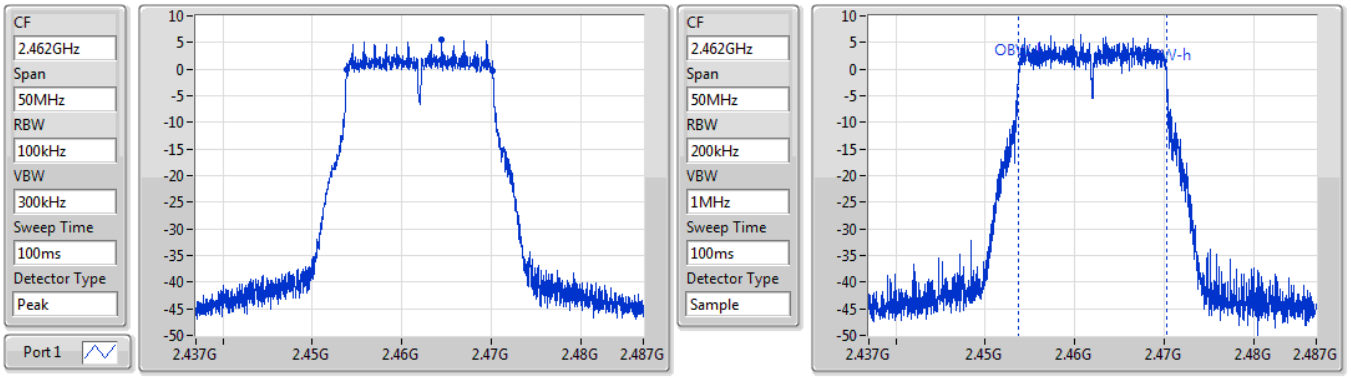


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.842M	2.428579G	2.445421G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

10/10/2019

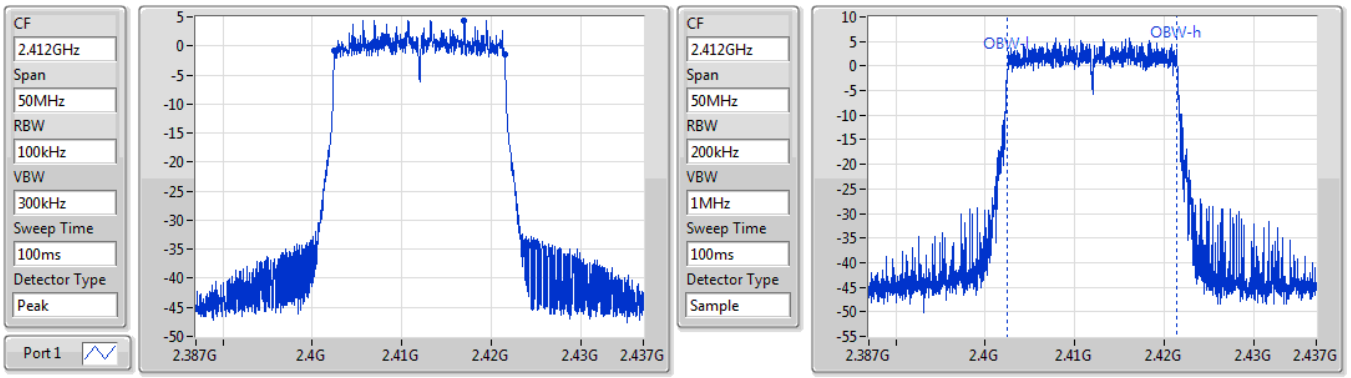


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.567M	2.453704G	2.470271G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

10/10/2019

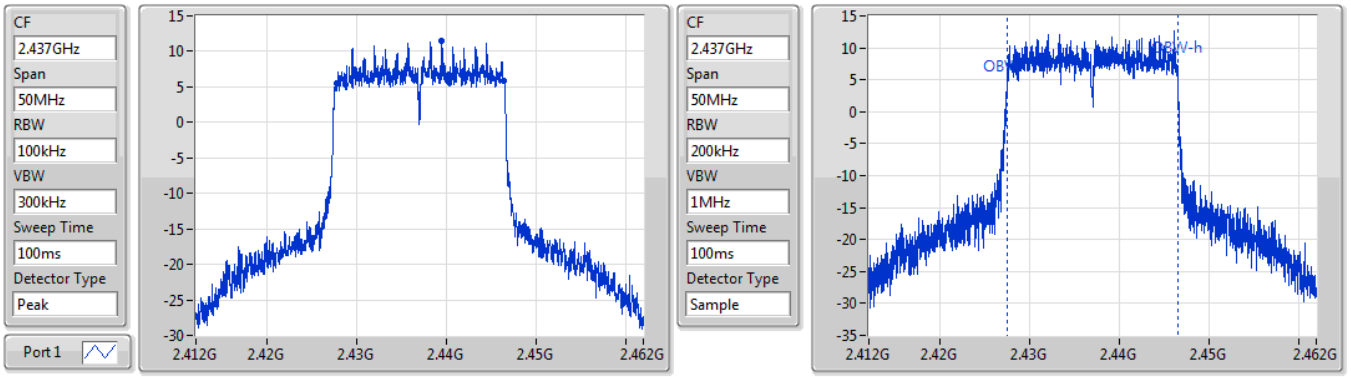


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.402525G	2.4215G	18.941M	2.402505G	2.421445G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

10/10/2019

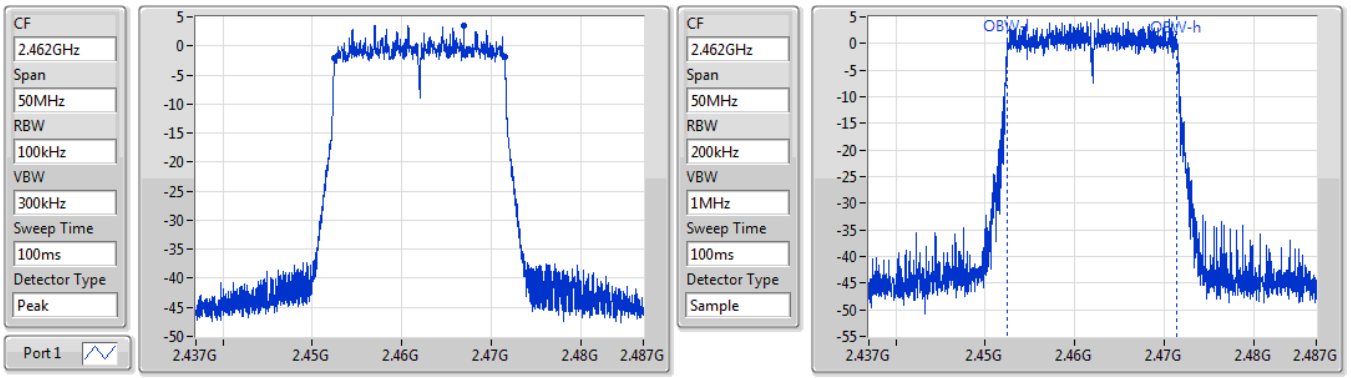


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.7M	2.42775G	2.44645G	19.065M	2.42743G	2.446495G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

10/10/2019

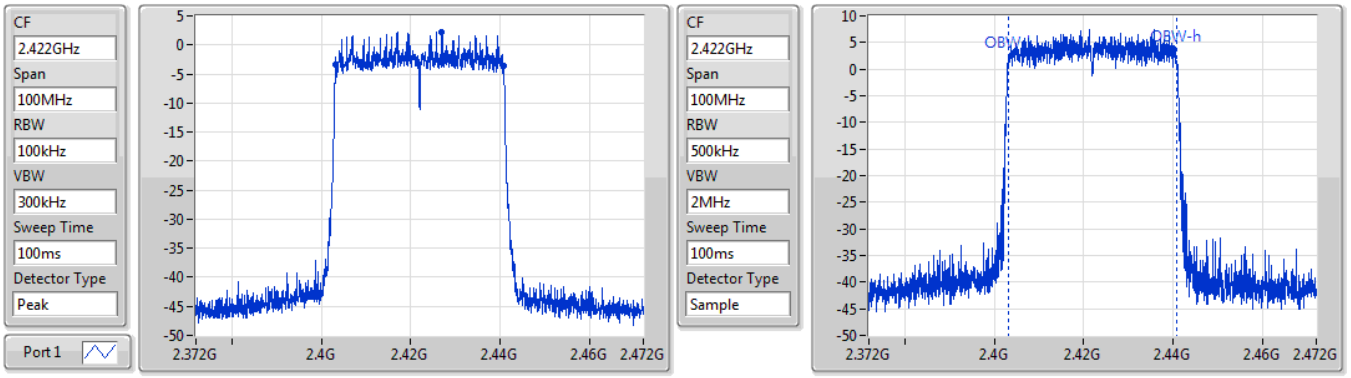


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.452525G	2.471475G	18.991M	2.45248G	2.47147G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

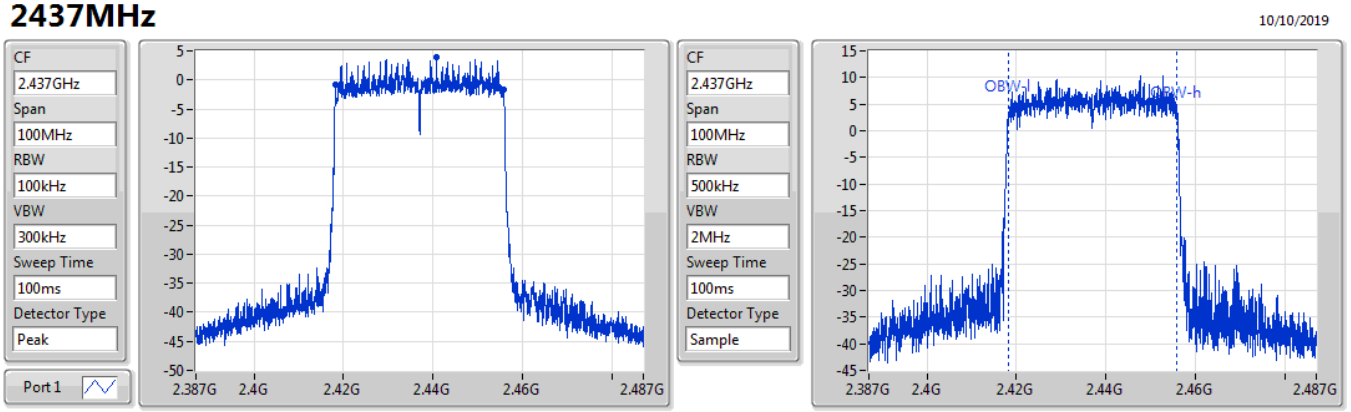
10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40315G	2.44075G	37.531M	2.403209G	2.440741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

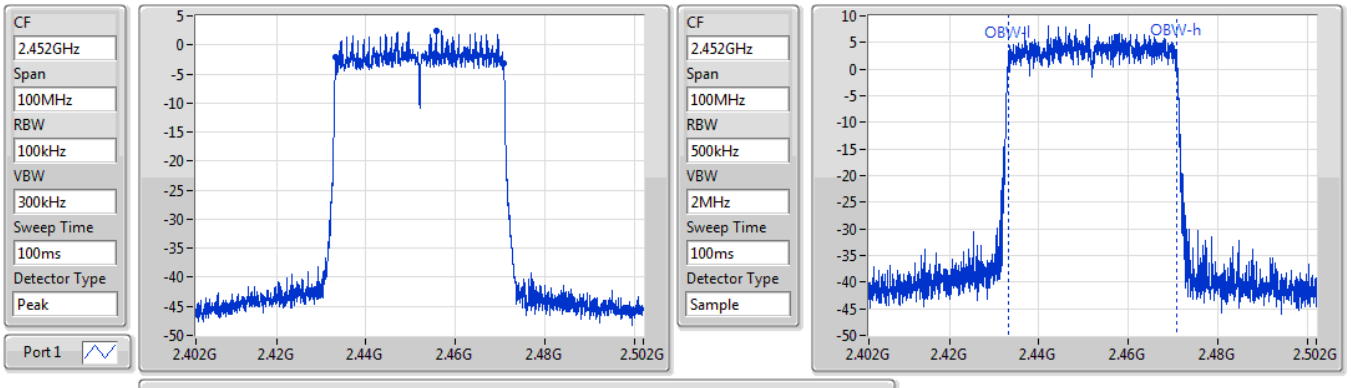
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4182G	2.45575G	37.531M	2.418259G	2.455791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4332G	2.47075G	37.481M	2.433259G	2.470741G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.05M	10.245M	10M2G1D	6.95M	10.17M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.667M	16M7D1D	16.325M	16.592M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.95M	19.04M	19M0D1D	18.8M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.65M	37.631M	37M6D1D	37M	37.431M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

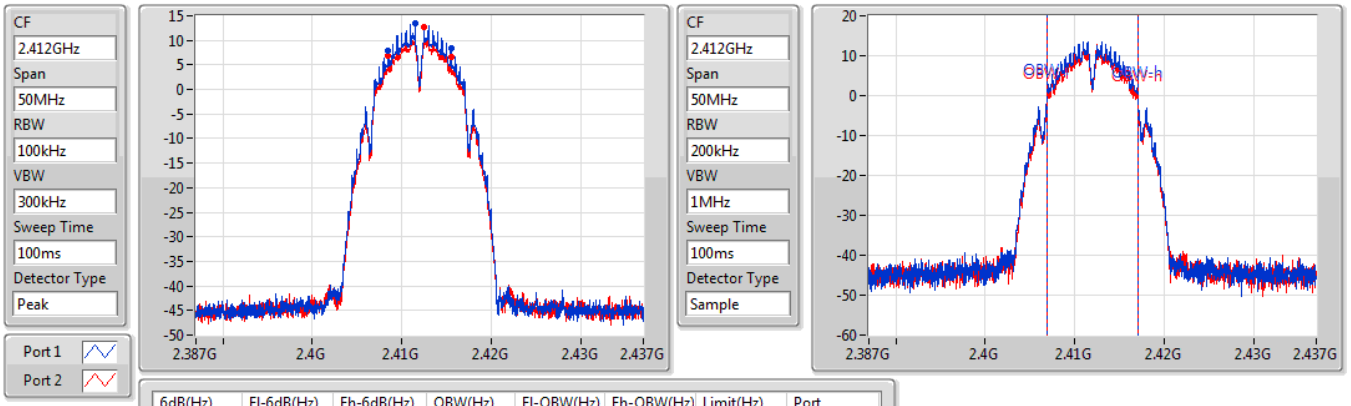
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.22M	7.05M	10.17M
2437MHz	Pass	500k	7M	10.22M	7.025M	10.22M
2462MHz	Pass	500k	6.95M	10.245M	7M	10.245M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.592M	16.35M	16.592M
2437MHz	Pass	500k	16.325M	16.667M	16.35M	16.617M
2462MHz	Pass	500k	16.325M	16.617M	16.35M	16.592M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M	18.95M	18.941M
2437MHz	Pass	500k	18.95M	19.04M	18.8M	18.991M
2462MHz	Pass	500k	18.95M	19.015M	18.85M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.65M	37.631M	37.15M	37.481M
2437MHz	Pass	500k	37.55M	37.531M	37M	37.431M
2452MHz	Pass	500k	37.55M	37.581M	37.15M	37.531M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

10/10/2019

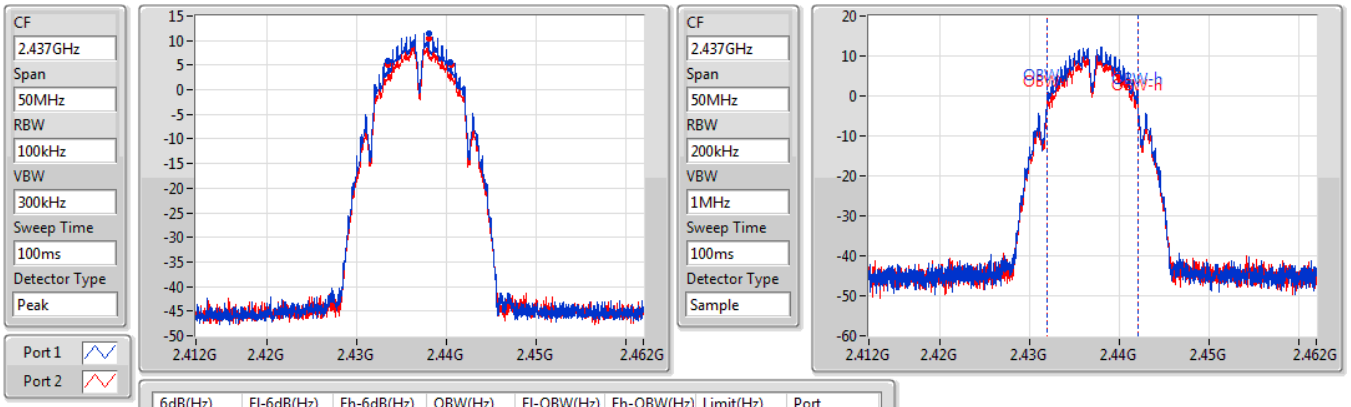


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	10.22M	2.406878G	2.417097G	500k	1
7.05M	2.408475G	2.415525G	10.17M	2.406903G	2.417072G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

10/10/2019

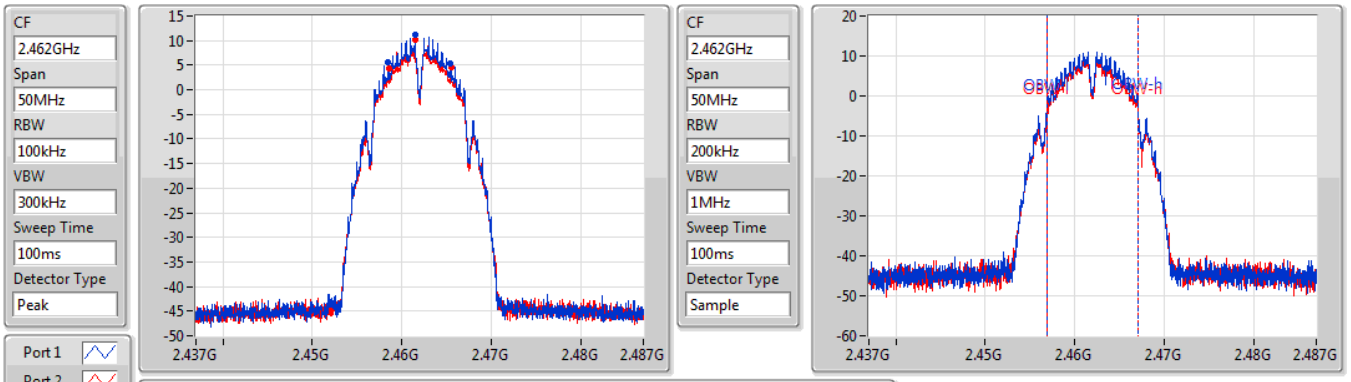


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.433475G	2.440475G	10.22M	2.431878G	2.442097G	500k	1
7.025M	2.433475G	2.4405G	10.22M	2.431878G	2.442097G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

10/10/2019

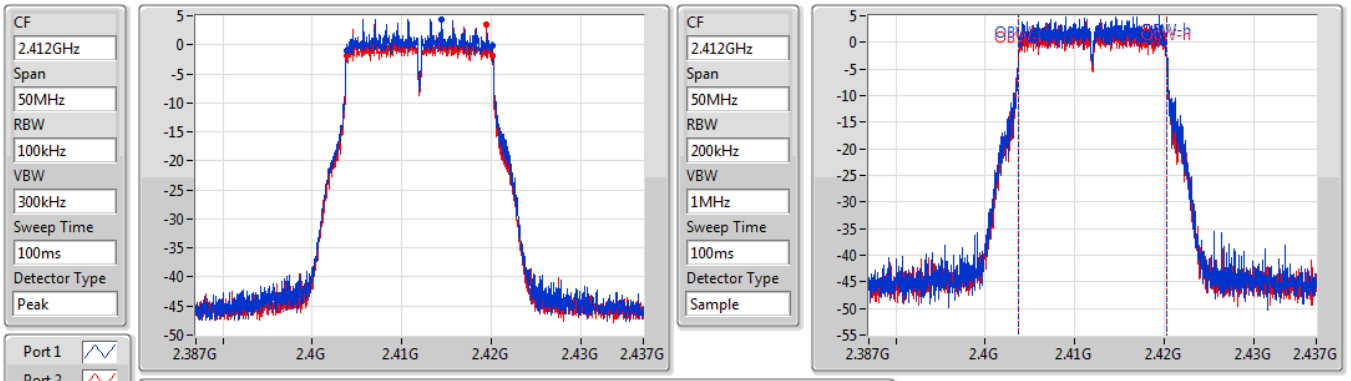


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.95M	2.4585G	2.46545G	10.245M	2.456853G	2.467097G	500k	1
7M	2.458525G	2.465525G	10.245M	2.456853G	2.467097G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

10/10/2019

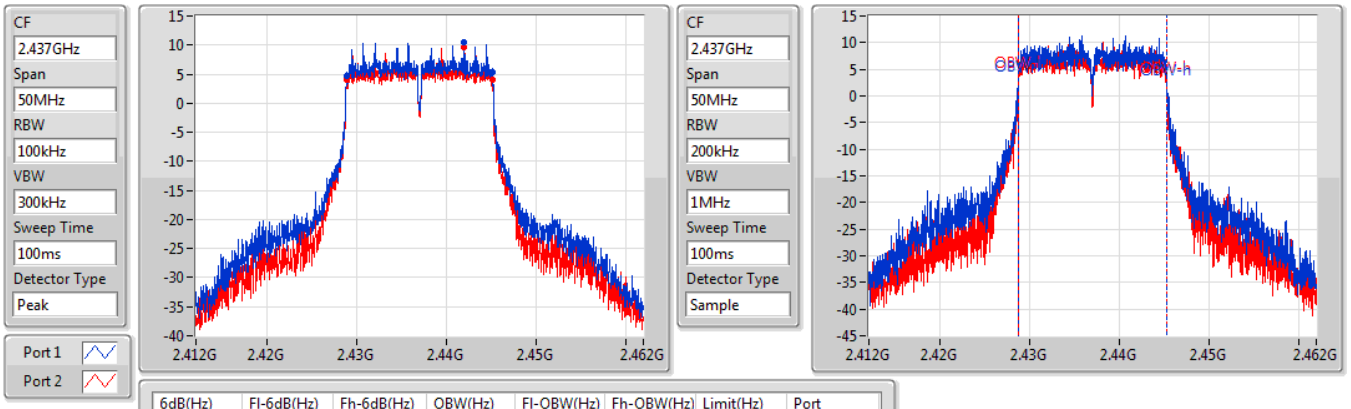


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.592M	2.403704G	2.420296G	500k	1
16.35M	2.403825G	2.420175G	16.592M	2.403679G	2.420271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

10/10/2019

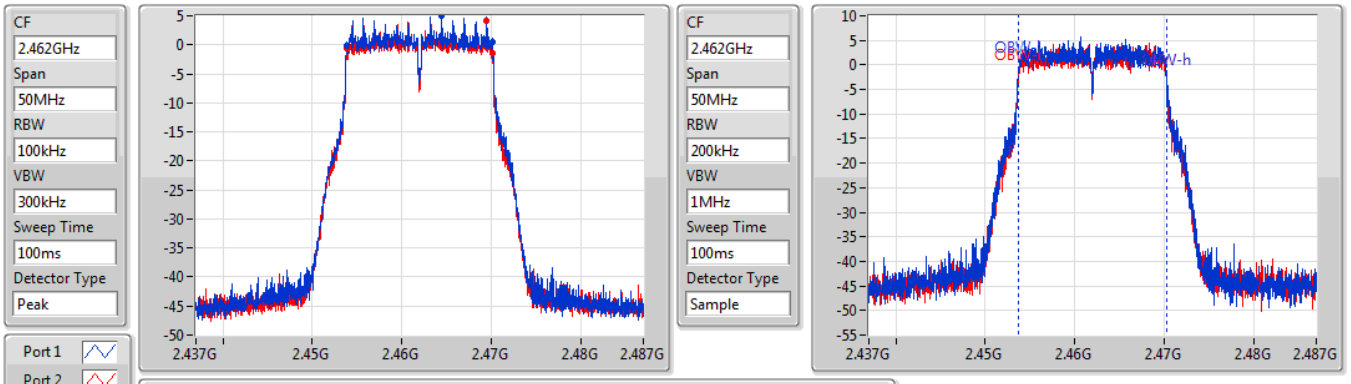


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.667M	2.428654G	2.445321G	500k	1
16.35M	2.428825G	2.445175G	16.617M	2.428679G	2.445296G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

10/10/2019

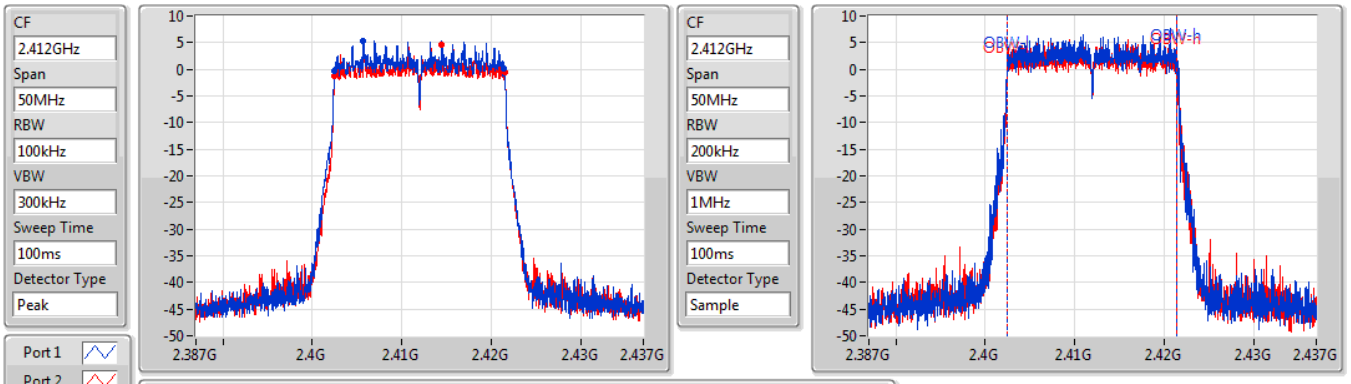


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.617M	2.453679G	2.470296G	500k	1
16.35M	2.453825G	2.470175G	16.592M	2.453679G	2.470271G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

10/10/2019

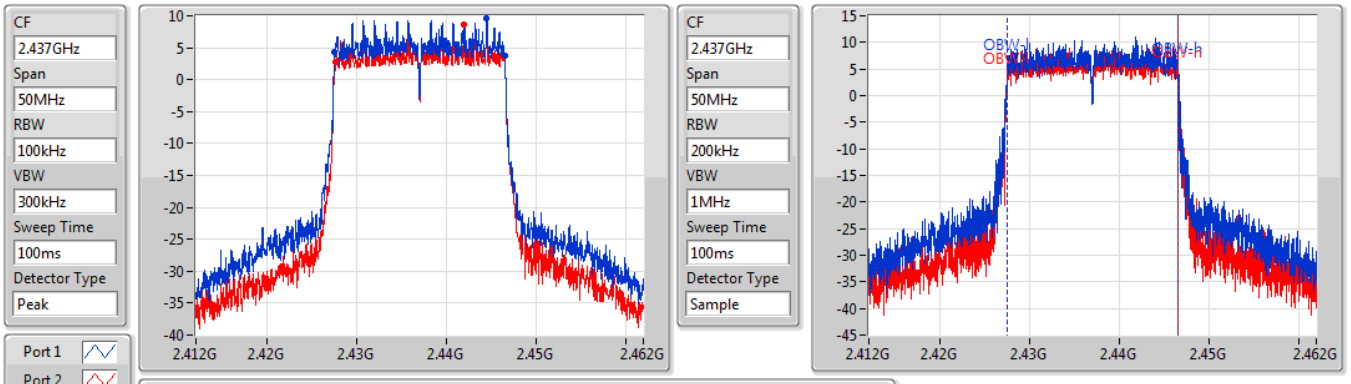


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4025G	2.421425G	18.991M	2.40248G	2.42147G	500k	1
18.95M	2.402525G	2.421475G	18.941M	2.402505G	2.421445G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

10/10/2019

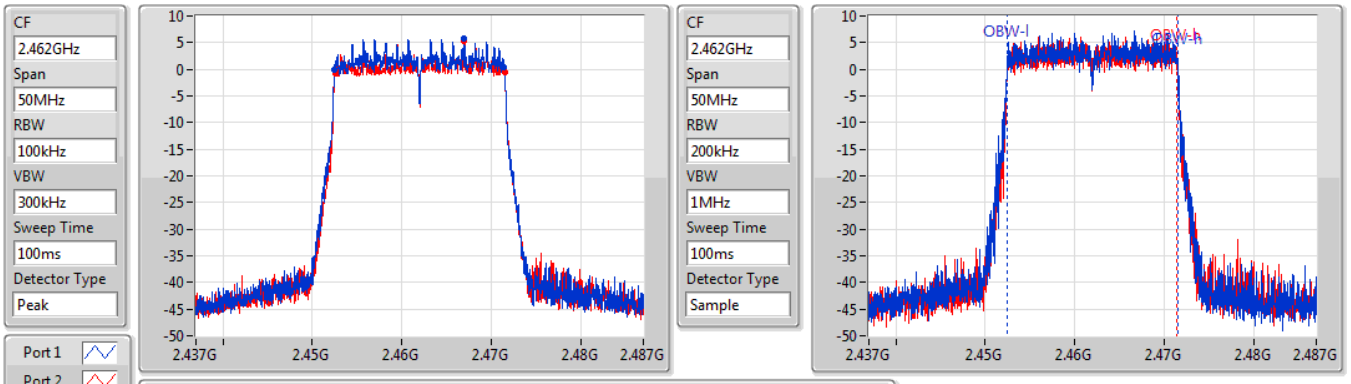


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.427525G	2.446475G	19.04M	2.427455G	2.446495G	500k	1
18.8M	2.42765G	2.44645G	18.991M	2.427505G	2.446495G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

10/10/2019

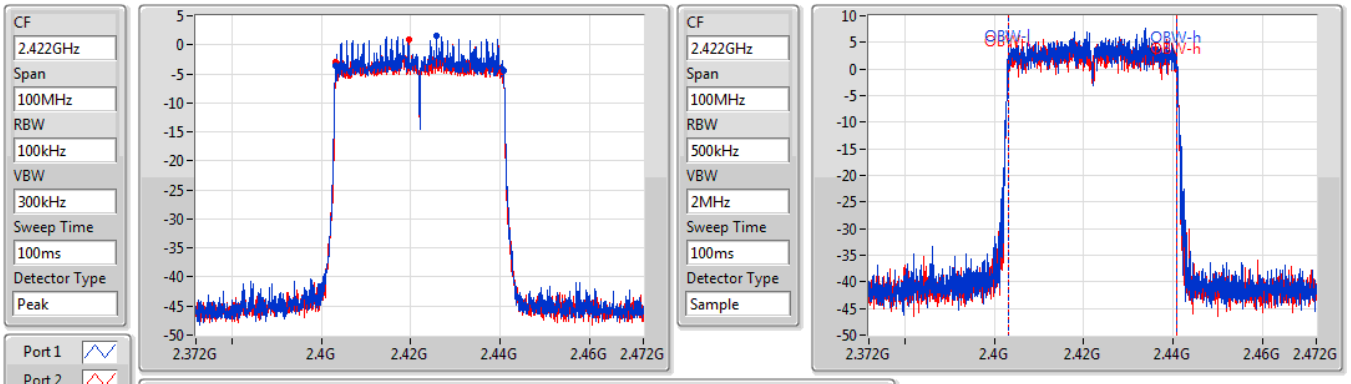


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	19.015M	2.45248G	2.471495G	500k	1
18.85M	2.452625G	2.471475G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

10/10/2019

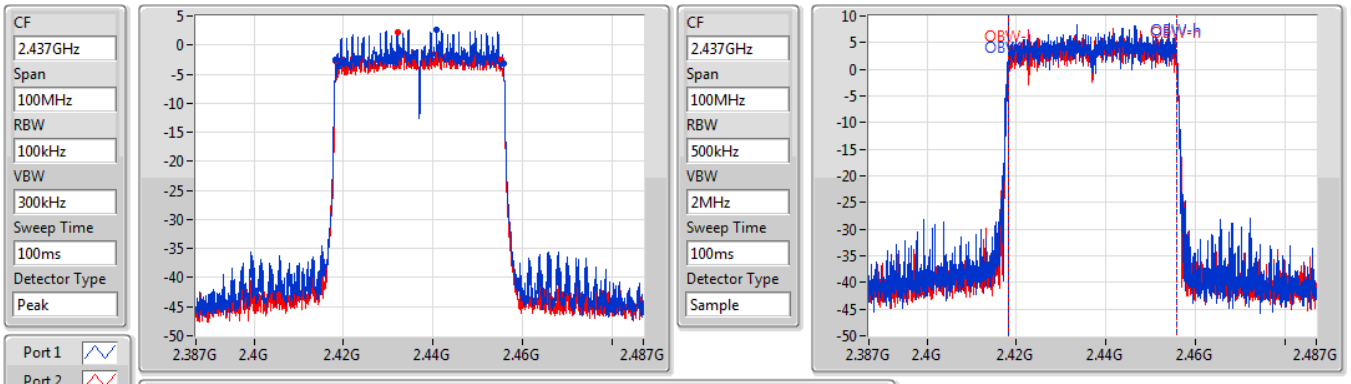


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.40315G	2.4408G	37.631M	2.403159G	2.440791G	500k	1
37.15M	2.4032G	2.44035G	37.481M	2.403259G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

10/10/2019

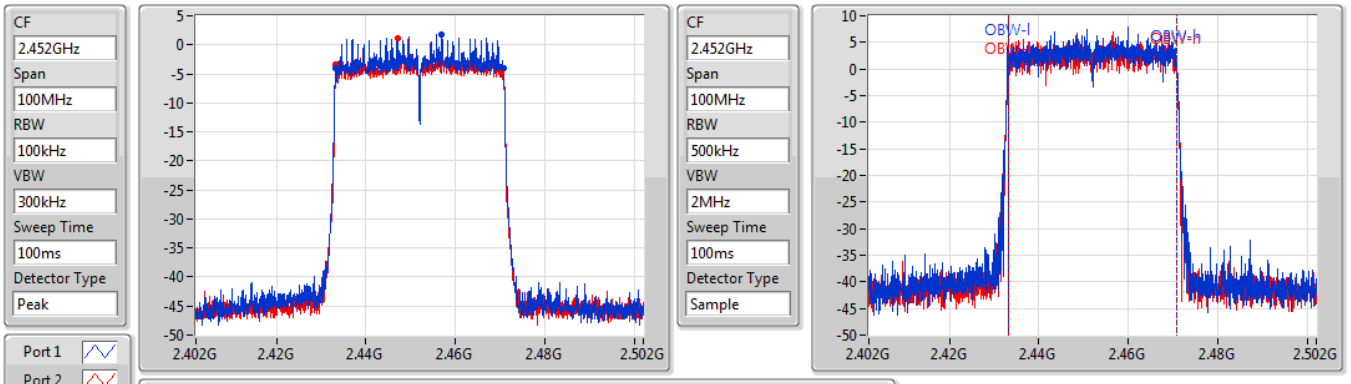


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4182G	2.45575G	37.531M	2.418209G	2.455741G	500k	1
37M	2.4182G	2.4552G	37.431M	2.418309G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4332G	2.47075G	37.581M	2.433159G	2.470741G	500k	1
37.15M	2.4332G	2.47035G	37.531M	2.433259G	2.470791G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.975M	18.966M	19M0D1D	18.8M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.7M	37.581M	37M6D1D	37.1M	37.381M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

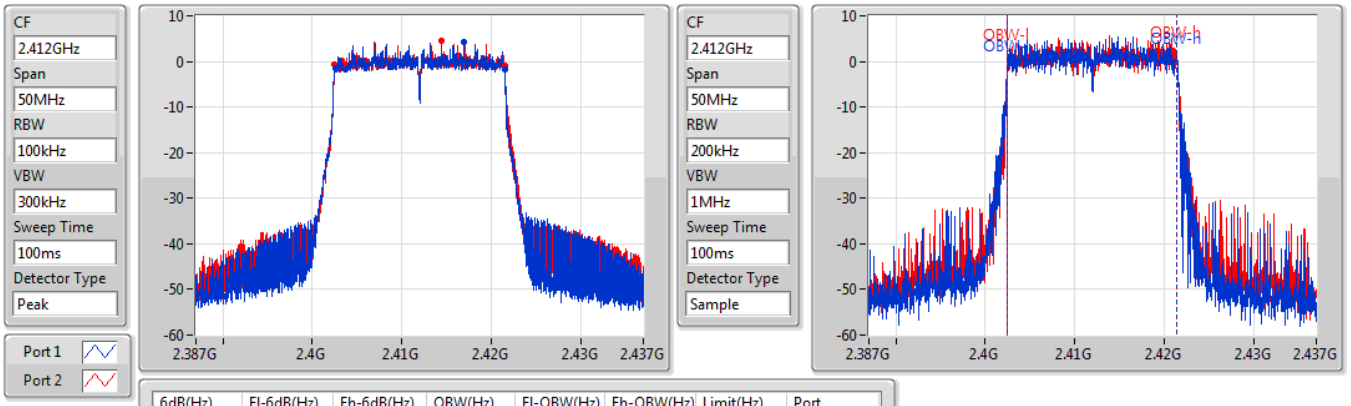
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.9M	18.966M	18.975M	18.941M
2437MHz	Pass	500k	18.875M	18.966M	18.925M	18.966M
2462MHz	Pass	500k	18.925M	18.966M	18.8M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.7M	37.481M	37.6M	37.531M
2437MHz	Pass	500k	37.55M	37.531M	37.55M	37.581M
2452MHz	Pass	500k	37.1M	37.381M	37.5M	37.531M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

14/10/2019

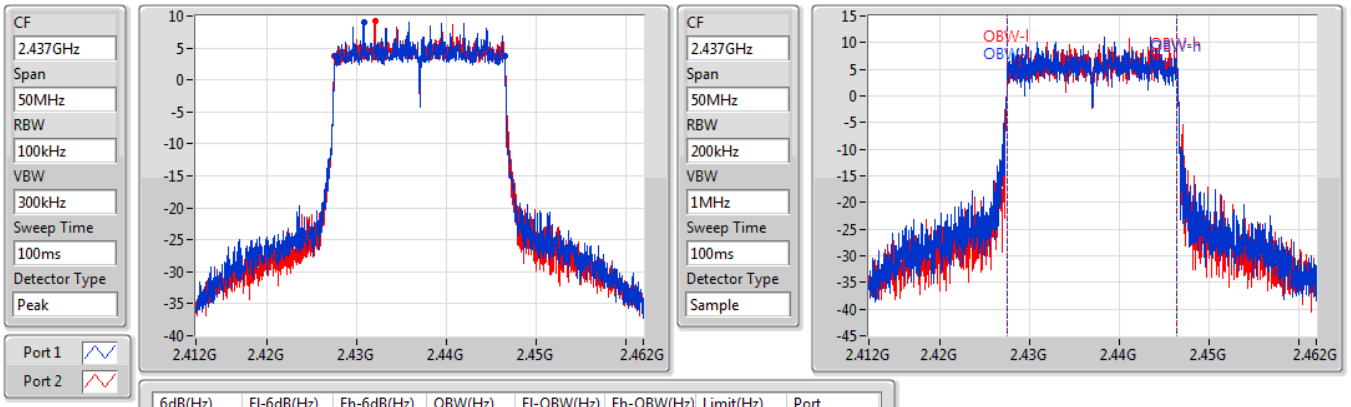


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.402575G	2.421475G	18.966M	2.402505G	2.42147G	500k	1
18.975M	2.402525G	2.4215G	18.941M	2.402505G	2.421445G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

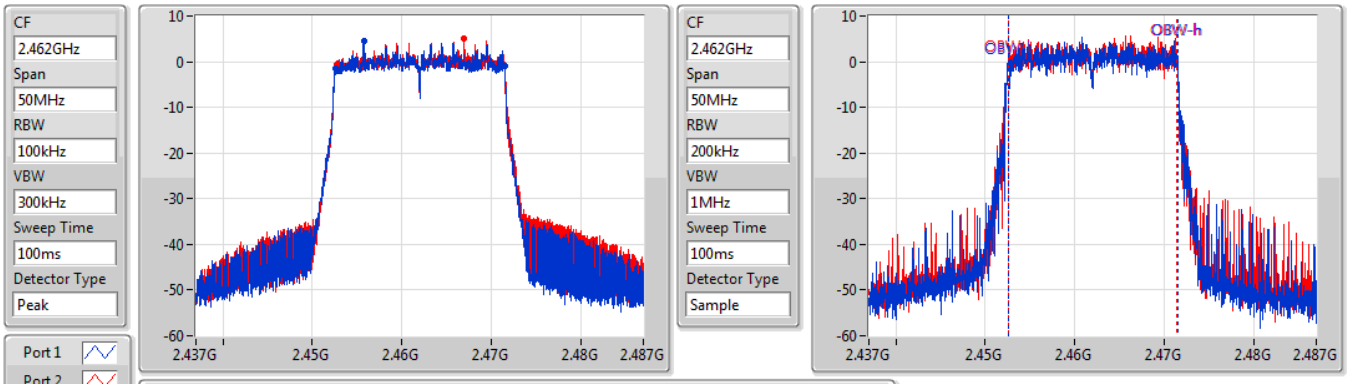


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.4276G	2.446475G	18.966M	2.427505G	2.44647G	500k	1
18.925M	2.427525G	2.44645G	18.966M	2.427505G	2.44647G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

14/10/2019

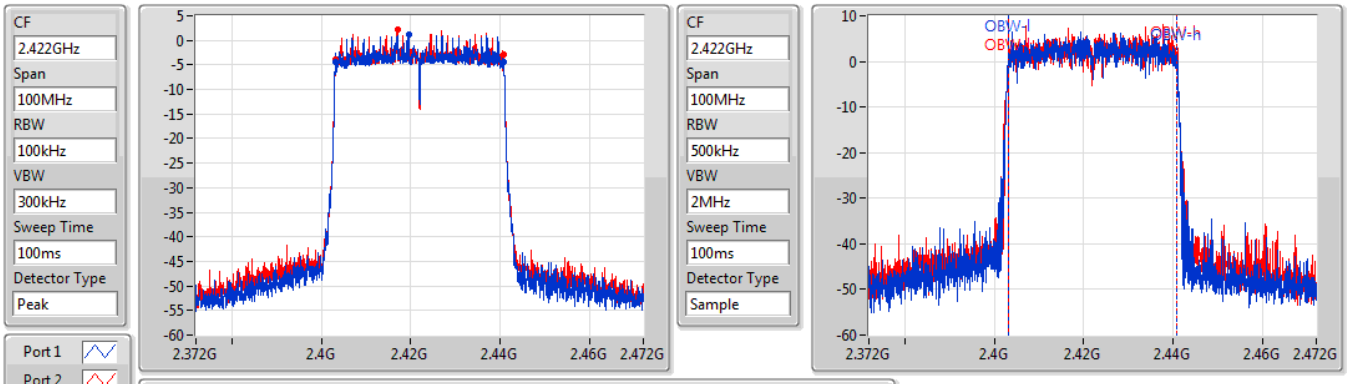


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.45255G	2.471475G	18.966M	2.45253G	2.471495G	500k	1
18.8M	2.452675G	2.471475G	18.941M	2.45253G	2.47147G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

14/10/2019

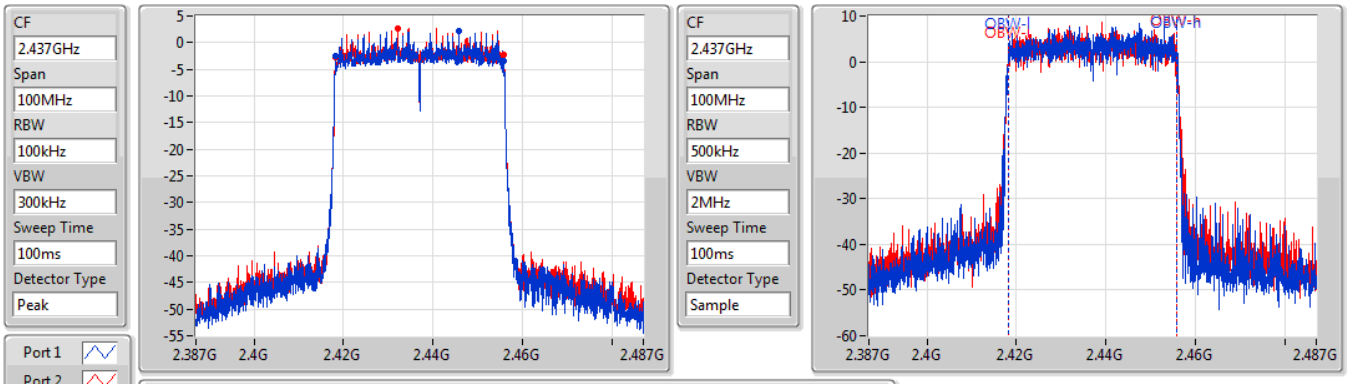


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.7M	2.40315G	2.44085G	37.481M	2.403259G	2.440741G	500k	1
37.6M	2.4032G	2.4408G	37.531M	2.403259G	2.440791G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

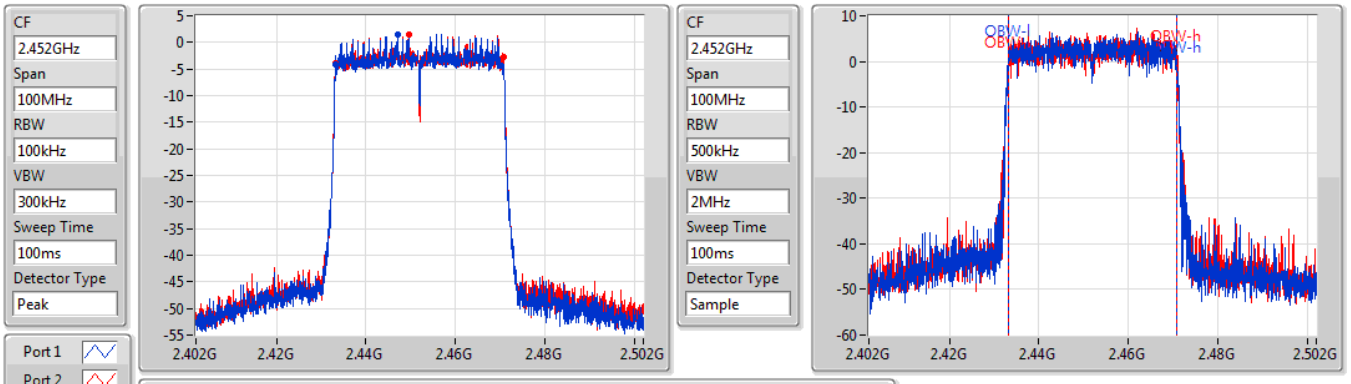


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.41825G	2.4558G	37.531M	2.418259G	2.455791G	500k	1
37.55M	2.4182G	2.45575G	37.581M	2.418209G	2.455791G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

14/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.1M	2.43315G	2.47025G	37.381M	2.433309G	2.470691G	500k	1
37.5M	2.4333G	2.4708G	37.531M	2.433259G	2.470791G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.05M	11.894M	11M9G1D	6.525M	10.37M
802.11g_Nss1,(6Mbps)_1TX	16.375M	16.667M	16M7D1D	16.325M	16.517M
802.11ax HEW20_Nss1,(MCS0)_1TX	19M	19.015M	19M0D1D	18.725M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.55M	37.631M	37M6D1D	37.4M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

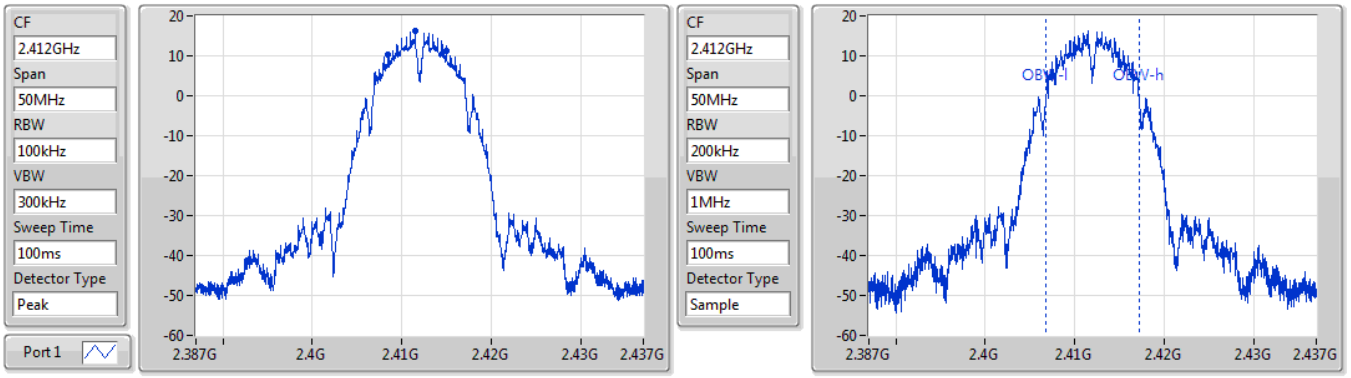
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	6.525M	10.445M
2437MHz	Pass	500k	7.05M	11.894M
2462MHz	Pass	500k	7.05M	10.37M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.375M	16.517M
2437MHz	Pass	500k	16.325M	16.667M
2462MHz	Pass	500k	16.35M	16.542M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	19M	18.966M
2437MHz	Pass	500k	18.725M	19.015M
2462MHz	Pass	500k	18.925M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.55M	37.481M
2437MHz	Pass	500k	37.5M	37.581M
2452MHz	Pass	500k	37.4M	37.631M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

10/10/2019

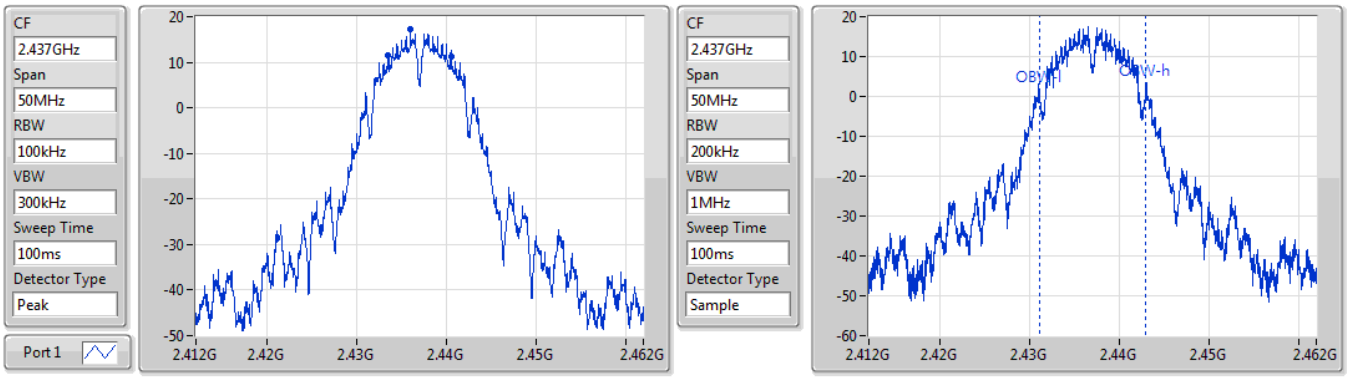


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.525M	2.4085G	2.415025G	10.445M	2.406753G	2.417197G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

10/10/2019

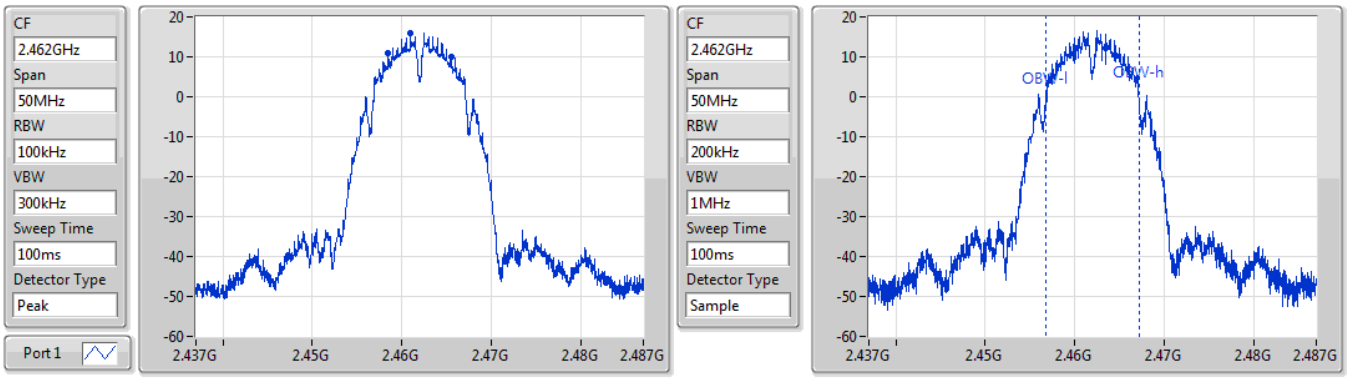


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.433475G	2.440525G	11.894M	2.431053G	2.442947G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

10/10/2019

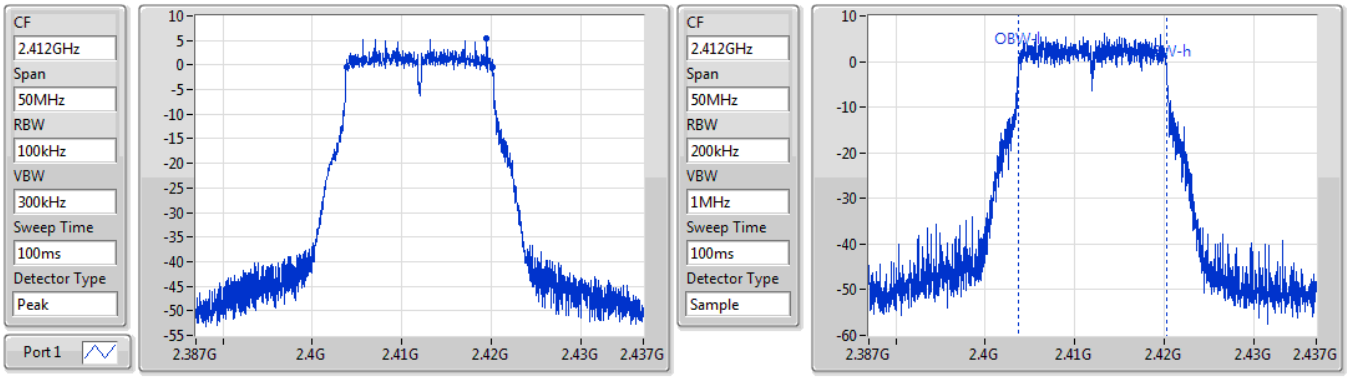


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	10.37M	2.456803G	2.467172G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

10/10/2019

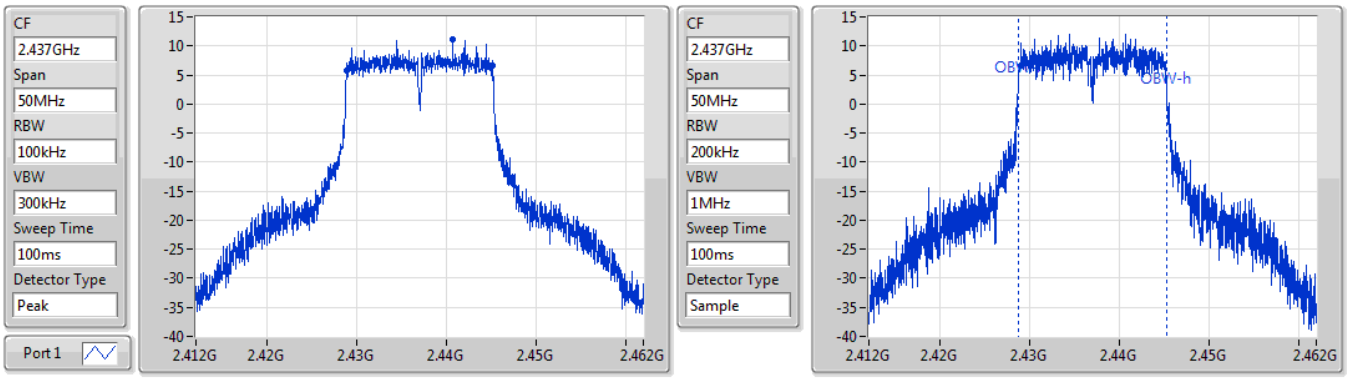


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.375M	2.4038G	2.420175G	16.517M	2.403729G	2.420246G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

10/10/2019

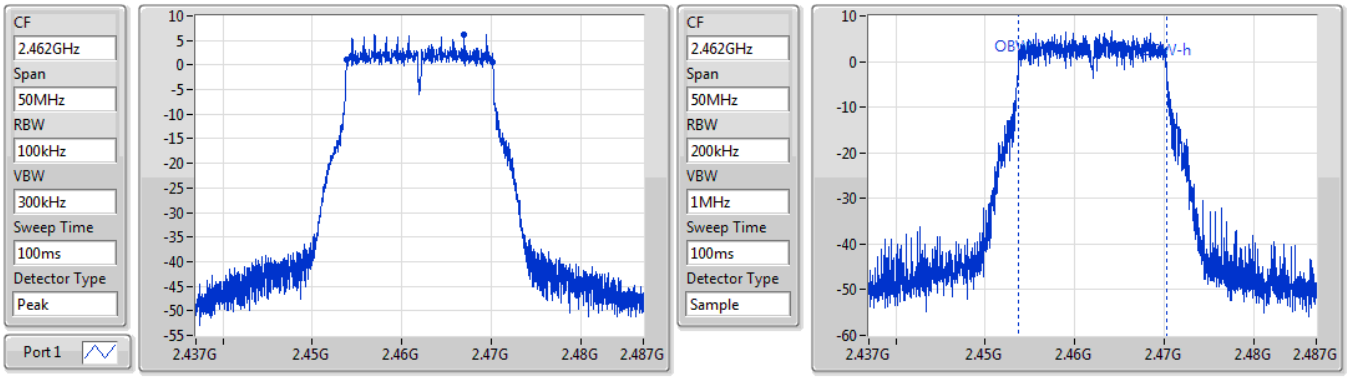


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.667M	2.428654G	2.445321G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

10/10/2019

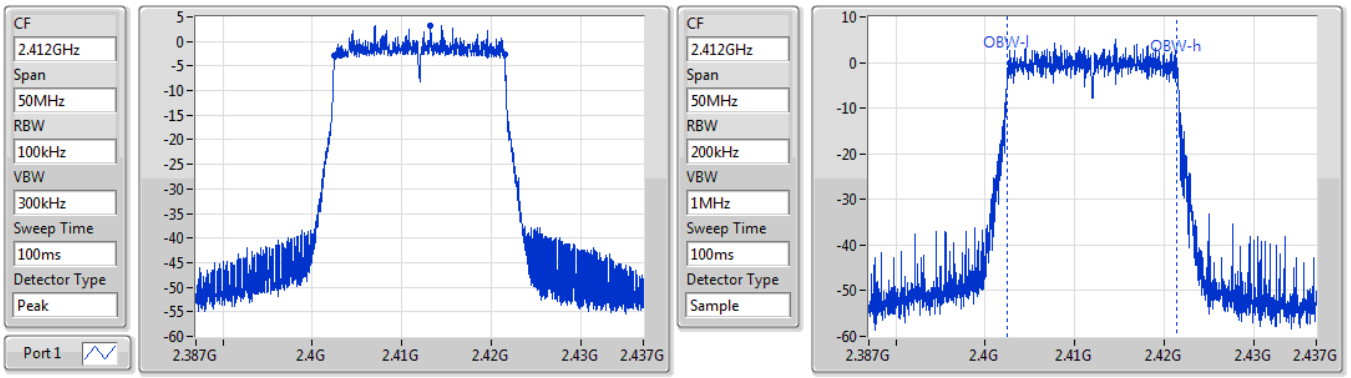


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.542M	2.453704G	2.470246G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

10/10/2019

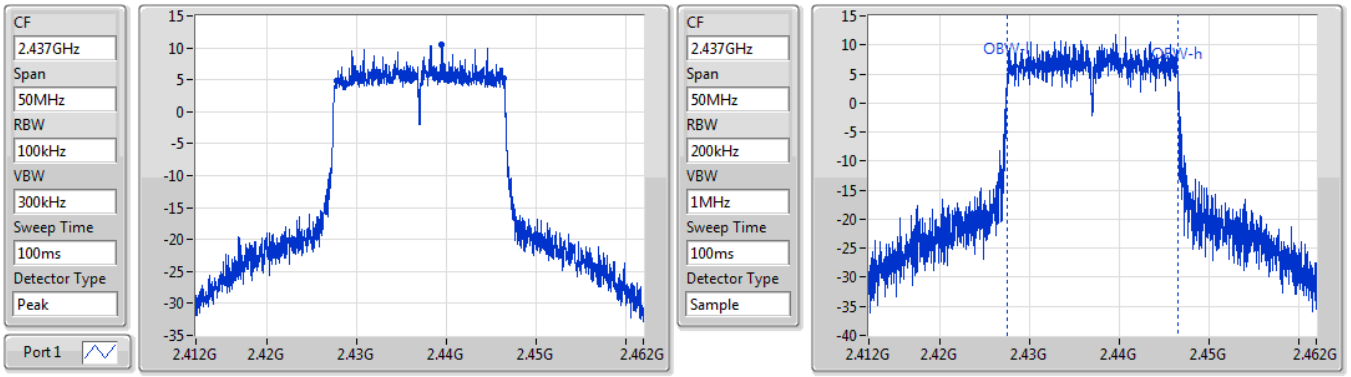


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.402475G	2.421475G	18.966M	2.402505G	2.42147G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

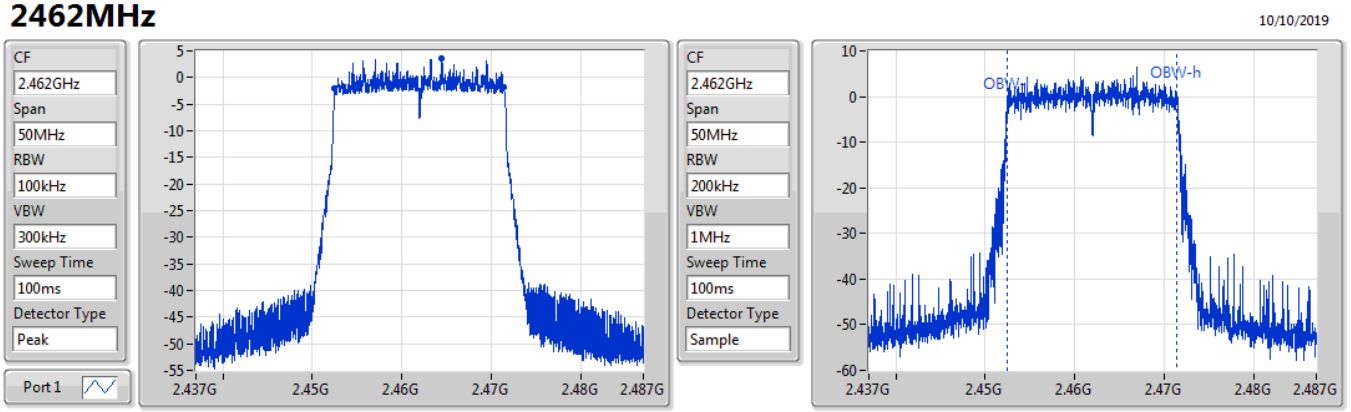
10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.725M	2.427725G	2.44645G	19.015M	2.42748G	2.446495G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

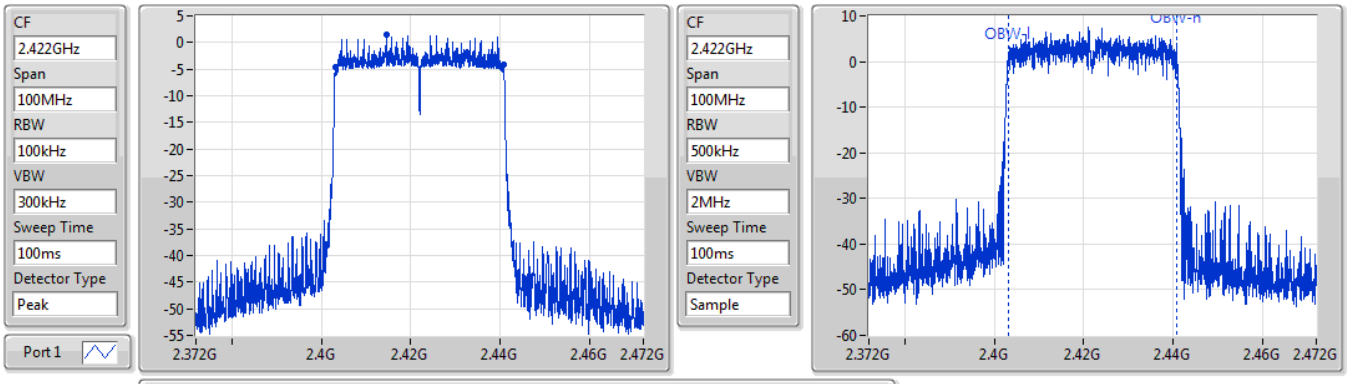
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.452525G	2.47145G	18.991M	2.45248G	2.47147G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

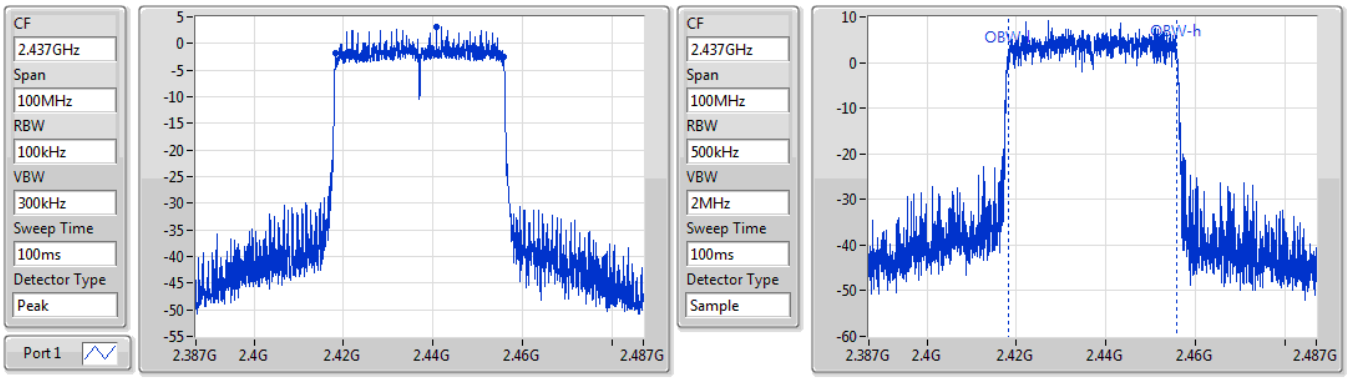


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4032G	2.44075G	37.481M	2.403209G	2.440691G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

10/10/2019

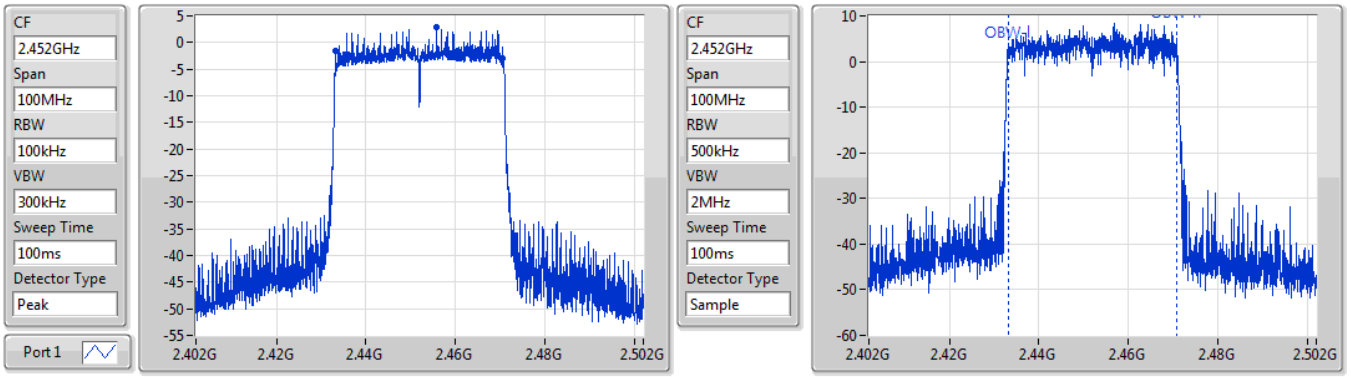


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.41825G	2.45575G	37.581M	2.418209G	2.455791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.4M	2.43325G	2.47065G	37.631M	2.433159G	2.470791G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.05M	10.295M	10M3G1D	7M	10.145M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.667M	16M7D1D	16.325M	16.517M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.95M	19.015M	19M0D1D	18.675M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.65M	37.631M	37M6D1D	37.45M	37.531M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

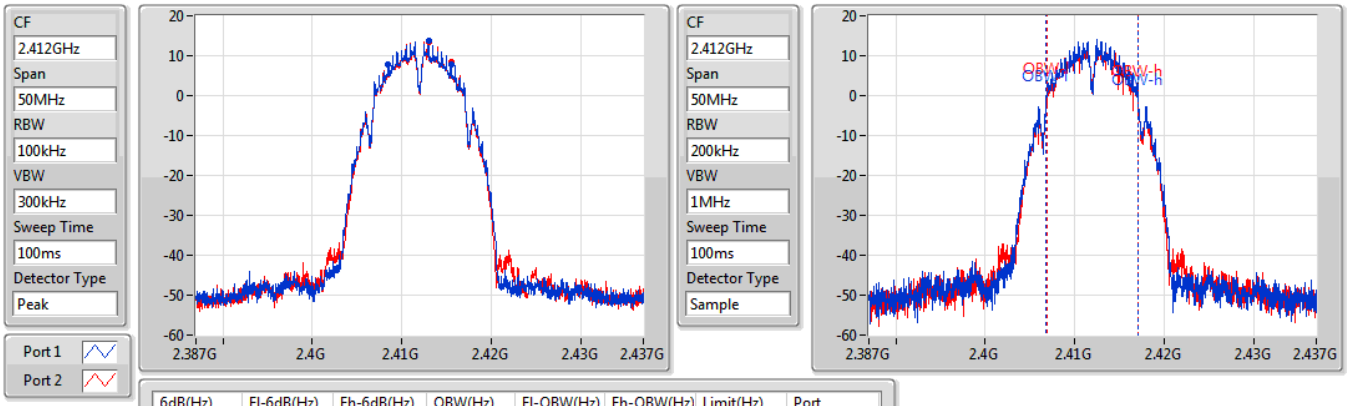
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.295M	7.025M	10.195M
2437MHz	Pass	500k	7M	10.22M	7M	10.145M
2462MHz	Pass	500k	7.05M	10.195M	7.05M	10.195M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M	16.35M	16.517M
2437MHz	Pass	500k	16.325M	16.667M	16.325M	16.567M
2462MHz	Pass	500k	16.325M	16.517M	16.325M	16.542M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	18.941M	18.675M	18.966M
2437MHz	Pass	500k	18.95M	18.991M	18.775M	19.015M
2462MHz	Pass	500k	18.925M	18.966M	18.85M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.5M	37.581M	37.6M	37.531M
2437MHz	Pass	500k	37.65M	37.631M	37.6M	37.531M
2452MHz	Pass	500k	37.45M	37.531M	37.65M	37.581M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

10/10/2019

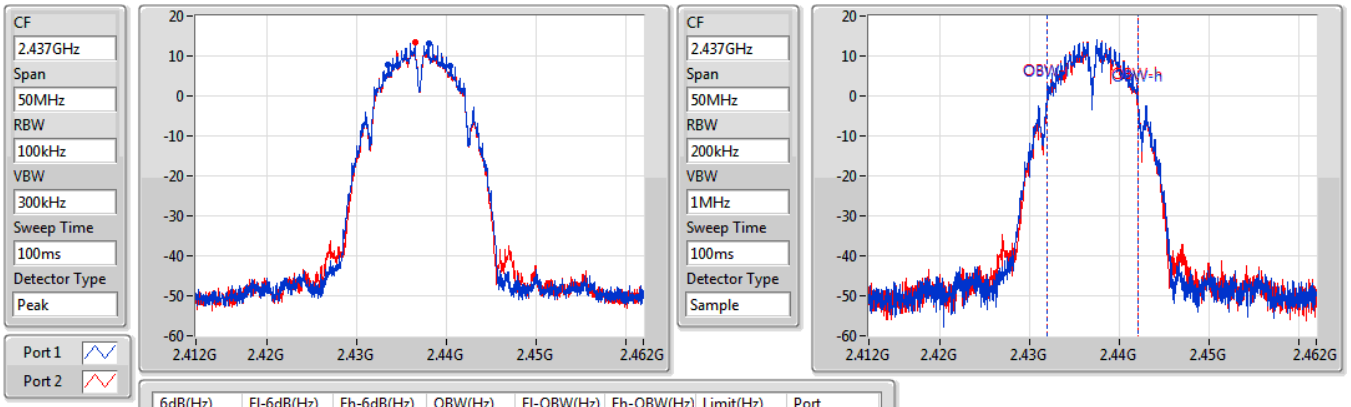


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	10.295M	2.406828G	2.417122G	500k	1
7.025M	2.408475G	2.4155G	10.195M	2.406878G	2.417072G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

10/10/2019

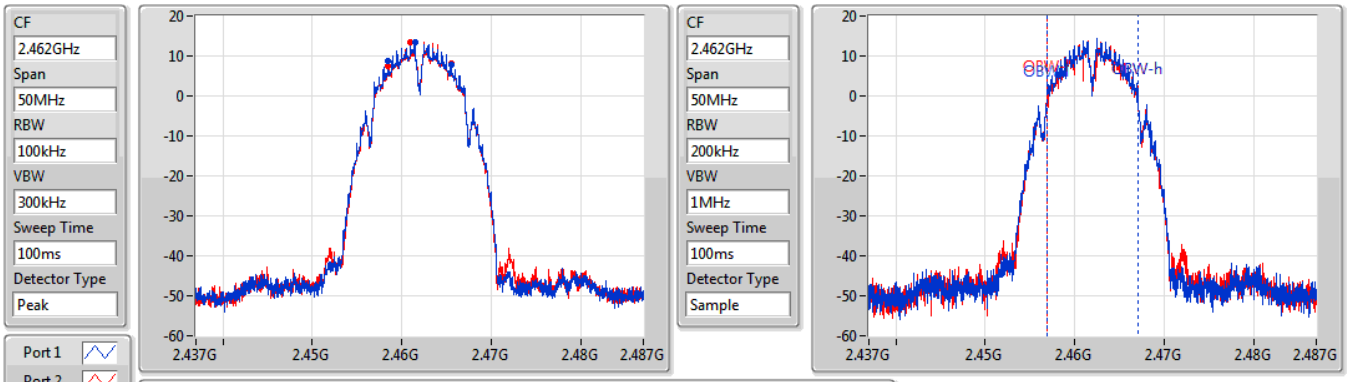


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.433475G	2.440475G	10.22M	2.431878G	2.442097G	500k	1
7M	2.433475G	2.440475G	10.145M	2.431928G	2.442072G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

10/10/2019

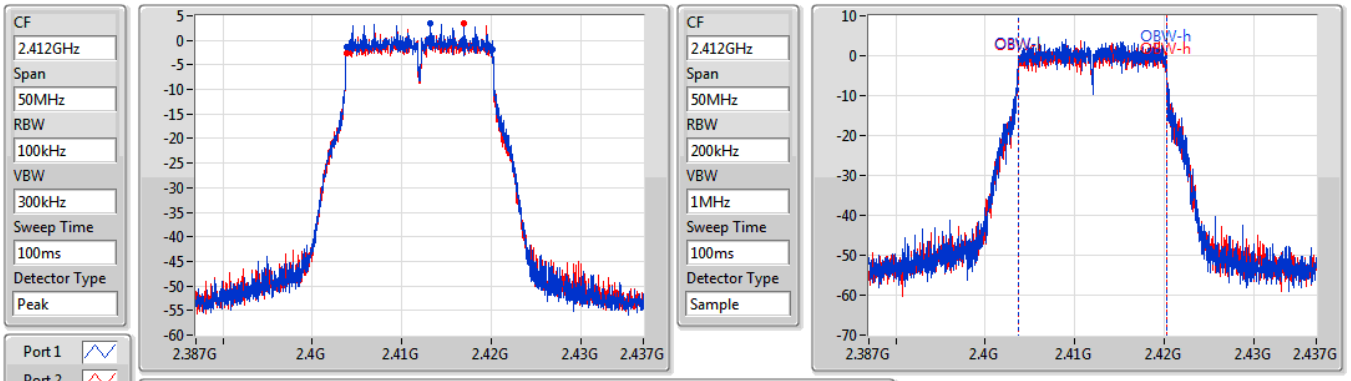


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	10.195M	2.456878G	2.467072G	500k	1
7.05M	2.45845G	2.4655G	10.195M	2.456878G	2.467072G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

10/10/2019

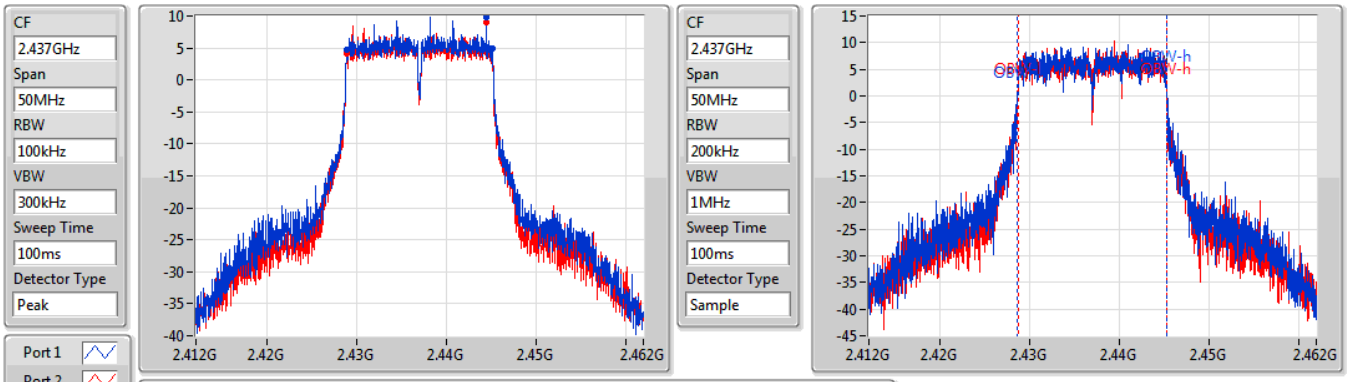


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.567M	2.403654G	2.420221G	500k	1
16.35M	2.4038G	2.42015G	16.517M	2.403704G	2.420221G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

10/10/2019

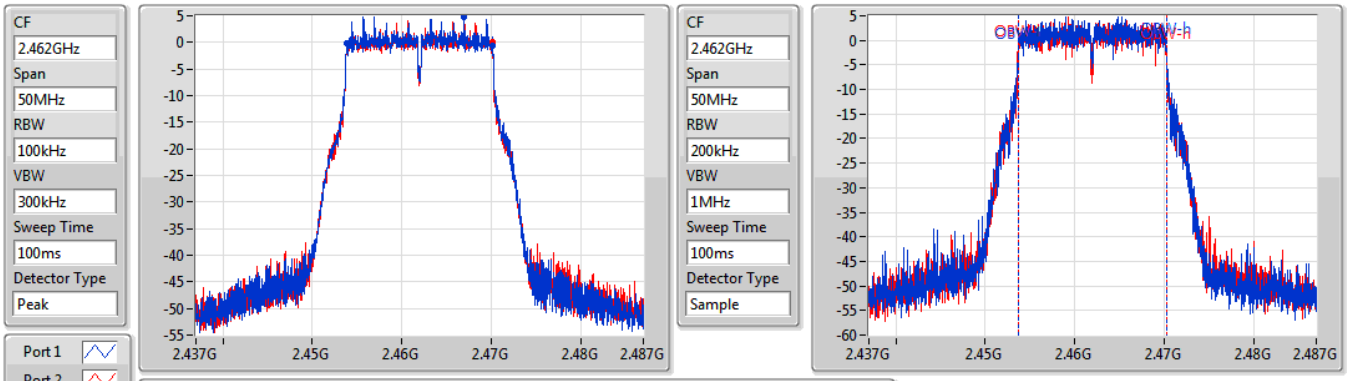


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.667M	2.428629G	2.445296G	500k	1
16.325M	2.428825G	2.44515G	16.567M	2.428679G	2.445246G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

10/10/2019

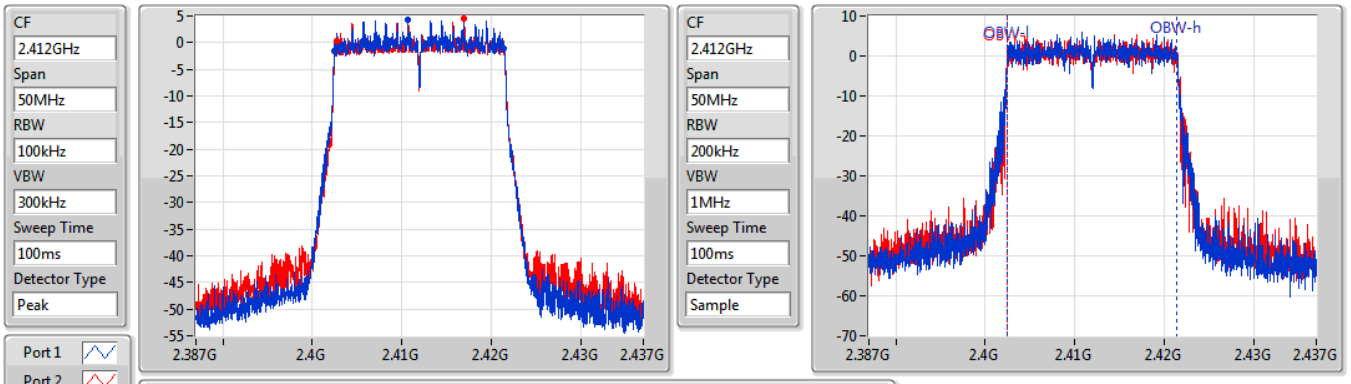


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.517M	2.453704G	2.470221G	500k	1
16.325M	2.453825G	2.47015G	16.542M	2.453704G	2.470246G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

10/10/2019

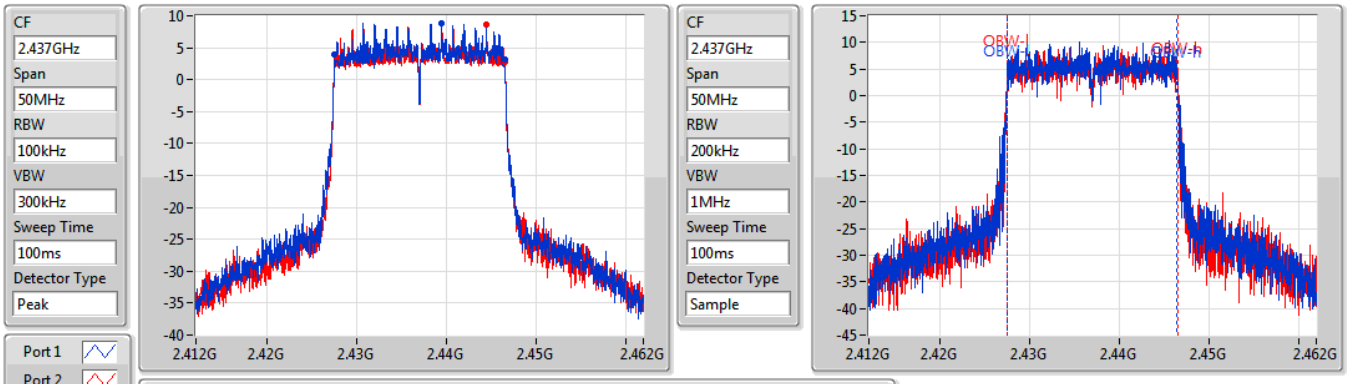


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4025G	2.42145G	18.941M	2.402505G	2.421445G	500k	1
18.675M	2.402775G	2.42145G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

10/10/2019

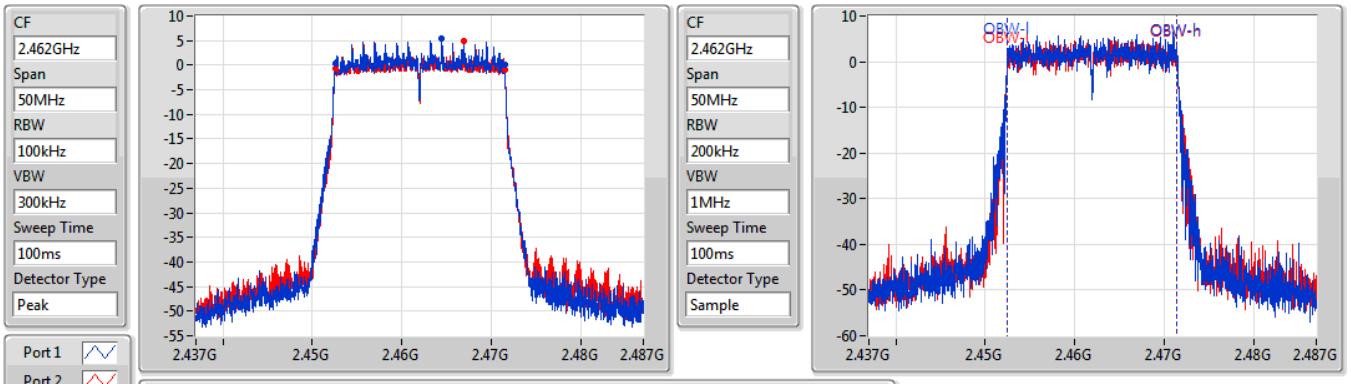


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.427525G	2.446475G	18.991M	2.42748G	2.44647G	500k	1
18.775M	2.4277G	2.446475G	19.015M	2.427505G	2.44652G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

10/10/2019

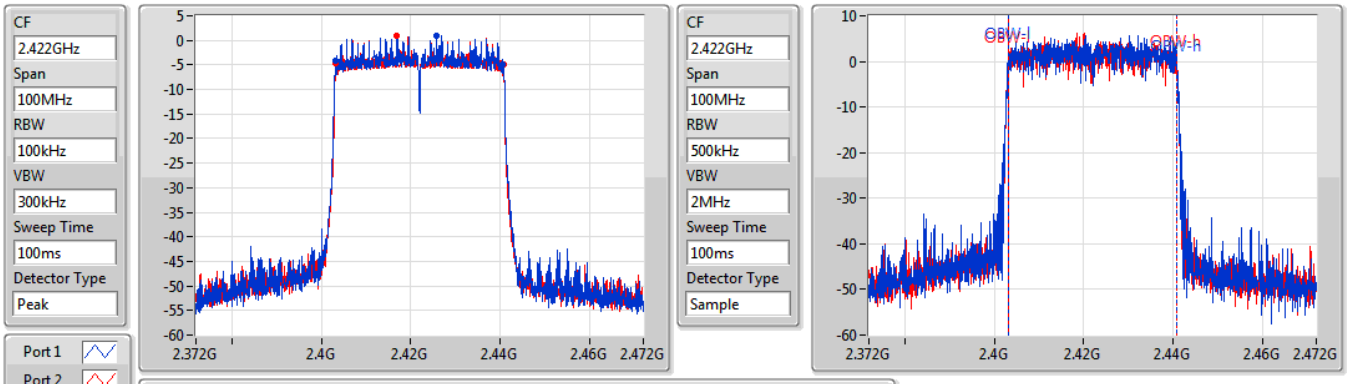


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.45255G	2.471475G	18.966M	2.452505G	2.47147G	500k	1
18.85M	2.452625G	2.471475G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

10/10/2019

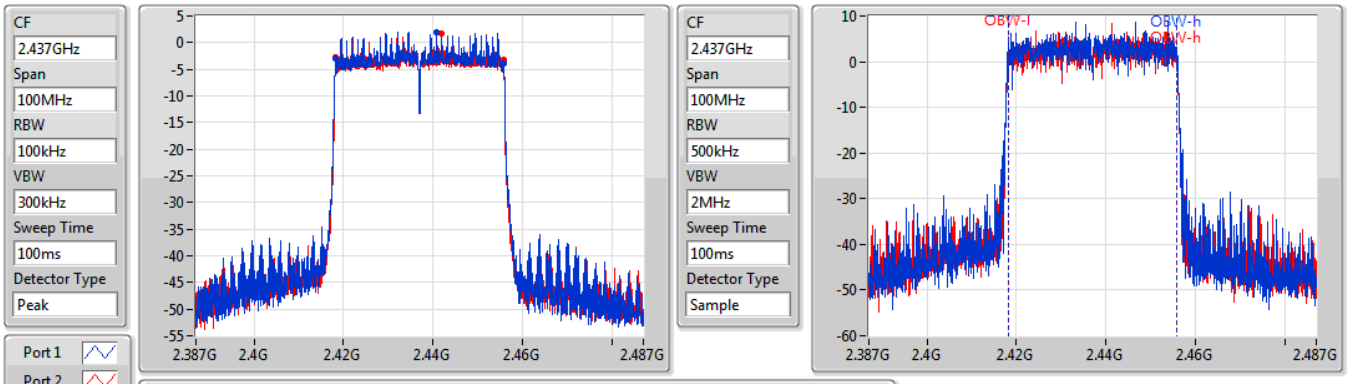


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.40315G	2.44065G	37.581M	2.403159G	2.440741G	500k	1
37.6M	2.40315G	2.44075G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

10/10/2019

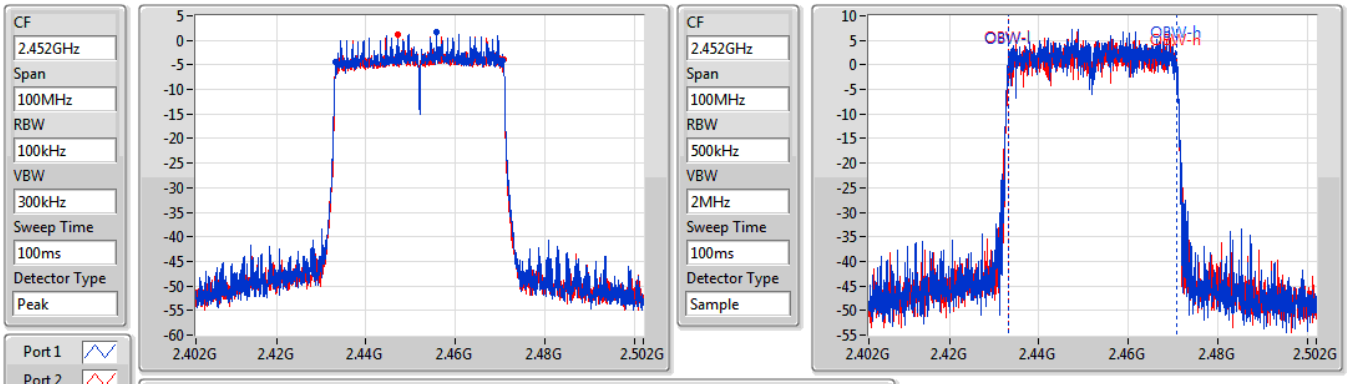


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.4182G	2.45585G	37.631M	2.418109G	2.455741G	500k	1
37.6M	2.4182G	2.4558G	37.531M	2.418209G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4332G	2.47065G	37.531M	2.433159G	2.470691G	500k	1
37.65M	2.43315G	2.4708G	37.581M	2.433209G	2.470791G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	18.991M	19M0D1D	18.95M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.55M	37.581M	37M6D1D	36.85M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

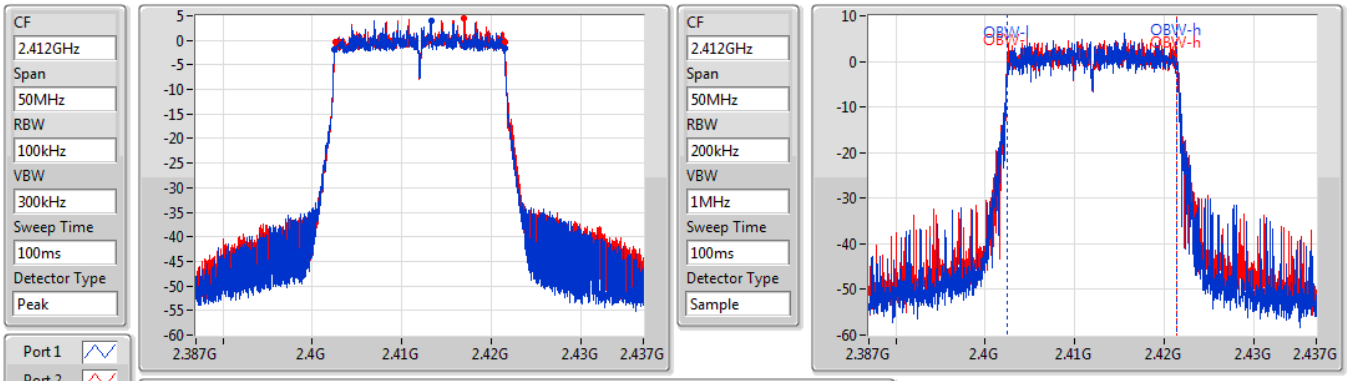
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	18.941M	18.95M	18.966M
2437MHz	Pass	500k	18.975M	18.966M	18.975M	18.966M
2462MHz	Pass	500k	19M	18.991M	18.95M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.25M	37.481M	36.85M	37.581M
2437MHz	Pass	500k	37.3M	37.481M	37.2M	37.481M
2452MHz	Pass	500k	37.55M	37.581M	37.55M	37.581M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

15/10/2019

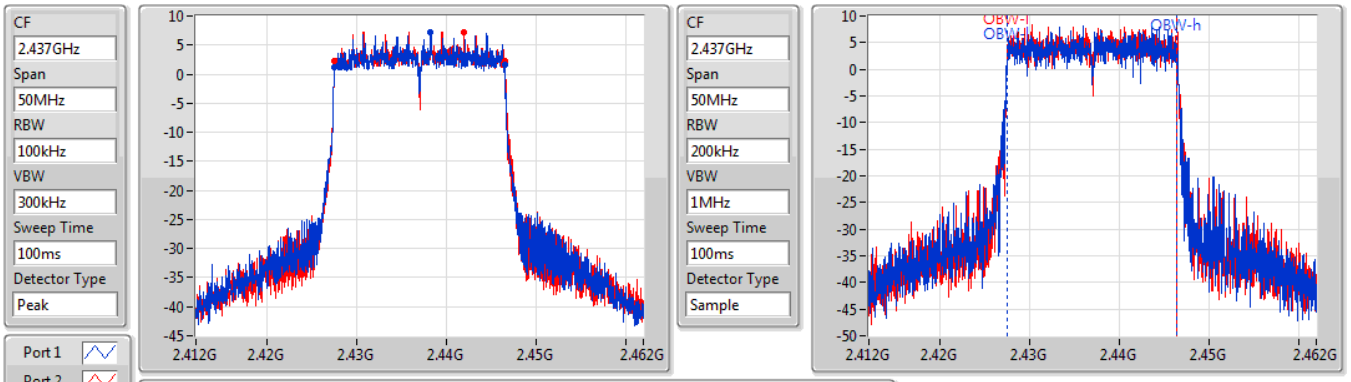


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4025G	2.4215G	18.941M	2.402505G	2.421445G	500k	1
18.95M	2.40255G	2.4215G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

15/10/2019

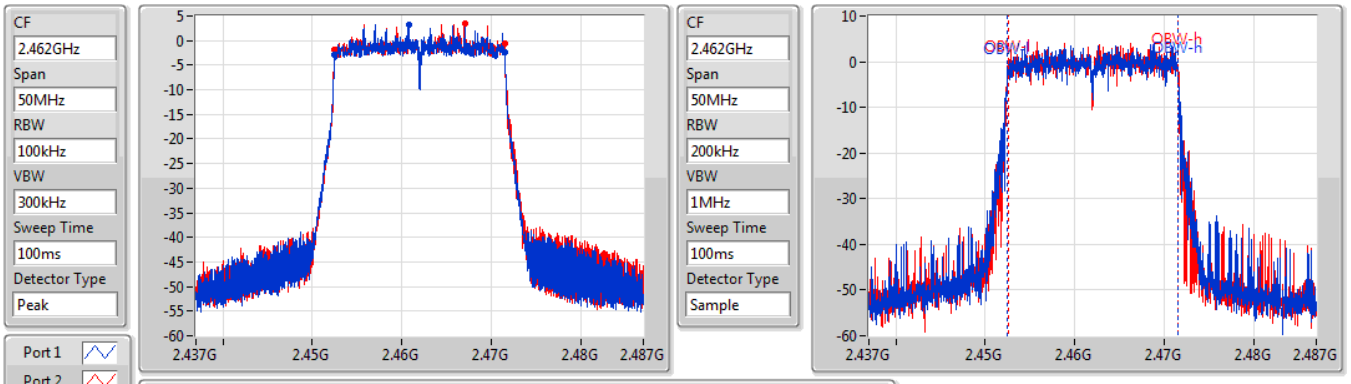


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	18.966M	2.427505G	2.44647G	500k	1
18.975M	2.427525G	2.4465G	18.966M	2.427505G	2.44647G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

15/10/2019

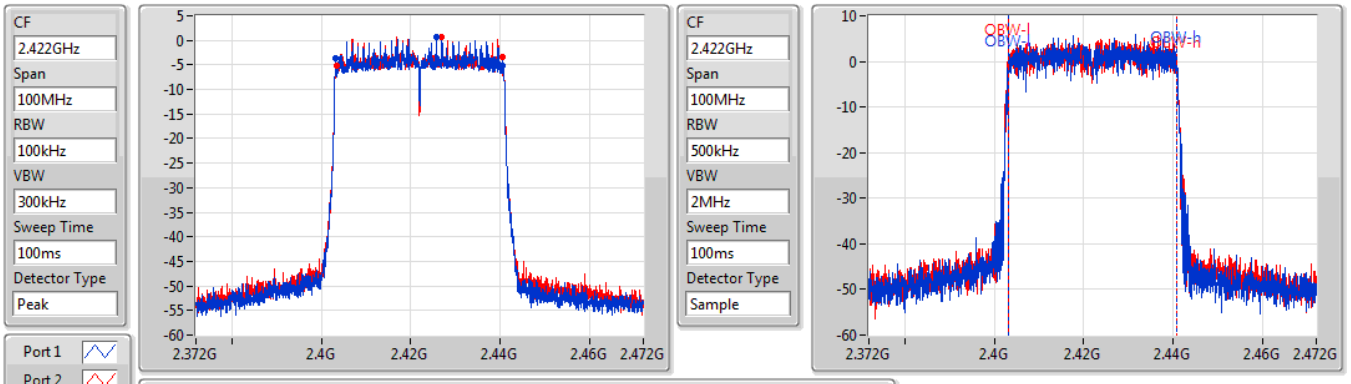


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4525G	2.4715G	18.991M	2.452505G	2.471495G	500k	1
18.95M	2.452525G	2.471475G	18.966M	2.45253G	2.471495G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

15/10/2019

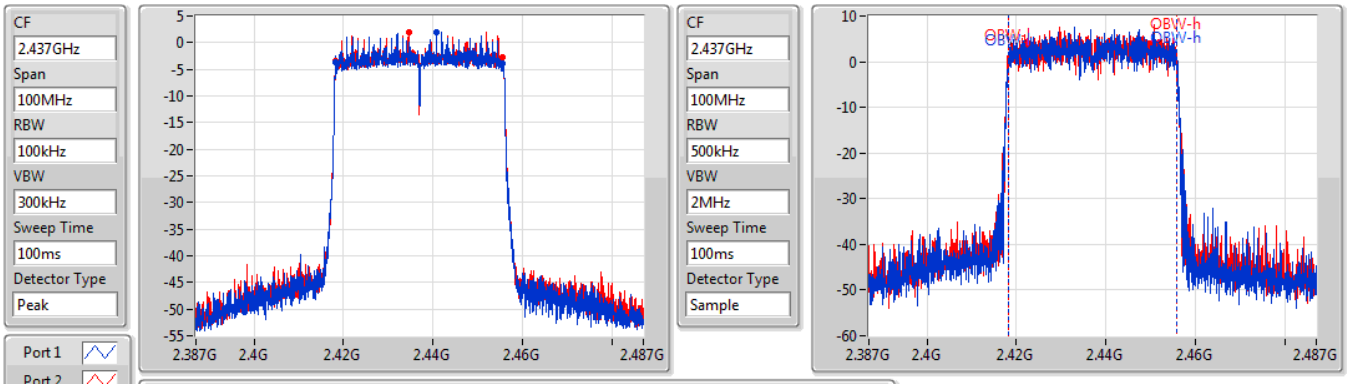


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	2.4032G	2.44045G	37.481M	2.403259G	2.440741G	500k	1
36.85M	2.4036G	2.44045G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

15/10/2019

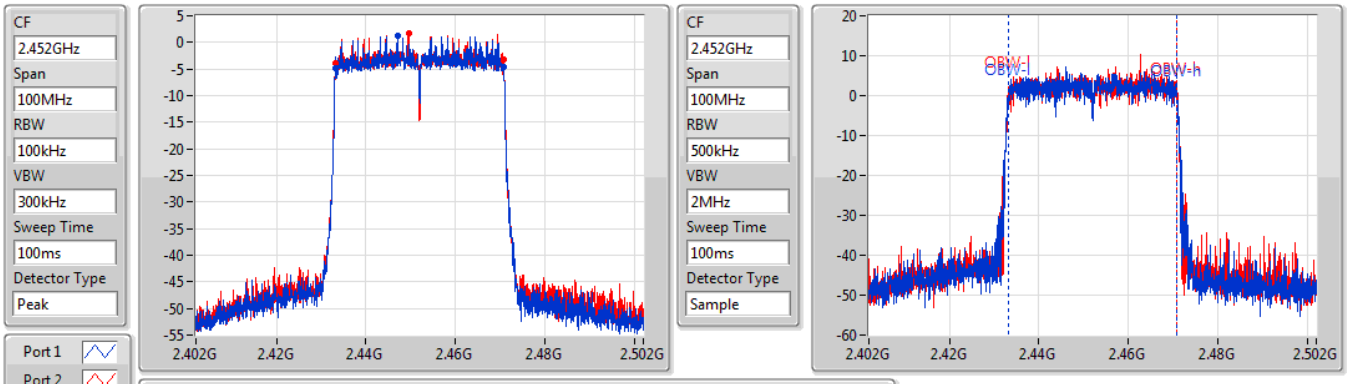


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.4182G	2.4555G	37.481M	2.418259G	2.455741G	500k	1
37.2M	2.41825G	2.45545G	37.481M	2.418259G	2.455741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

15/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.43315G	2.4707G	37.581M	2.433209G	2.470791G	500k	1
37.55M	2.43325G	2.4708G	37.581M	2.433209G	2.470791G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.05M	11.894M	11M9G1D	7.025M	10.72M
802.11g_Nss1,(6Mbps)_1TX	16.35M	19.49M	19M5D1D	16.325M	16.617M
802.11ax HEW20_Nss1,(MCS0)_1TX	19M	19.265M	19M3D1D	18.9M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.3M	37.581M	37M6D1D	37.25M	37.531M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

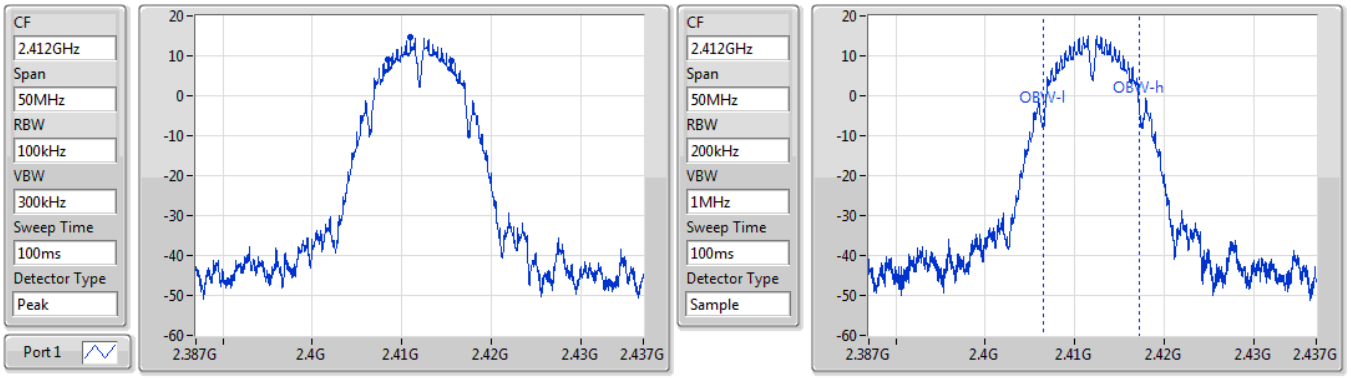
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.05M	10.72M
2437MHz	Pass	500k	7.025M	11.844M
2462MHz	Pass	500k	7.05M	11.894M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.617M
2437MHz	Pass	500k	16.35M	19.49M
2462MHz	Pass	500k	16.35M	16.642M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	19M	18.991M
2437MHz	Pass	500k	18.9M	19.265M
2462MHz	Pass	500k	18.975M	18.991M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.25M	37.531M
2437MHz	Pass	500k	37.3M	37.581M
2452MHz	Pass	500k	37.3M	37.581M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

03/10/2019

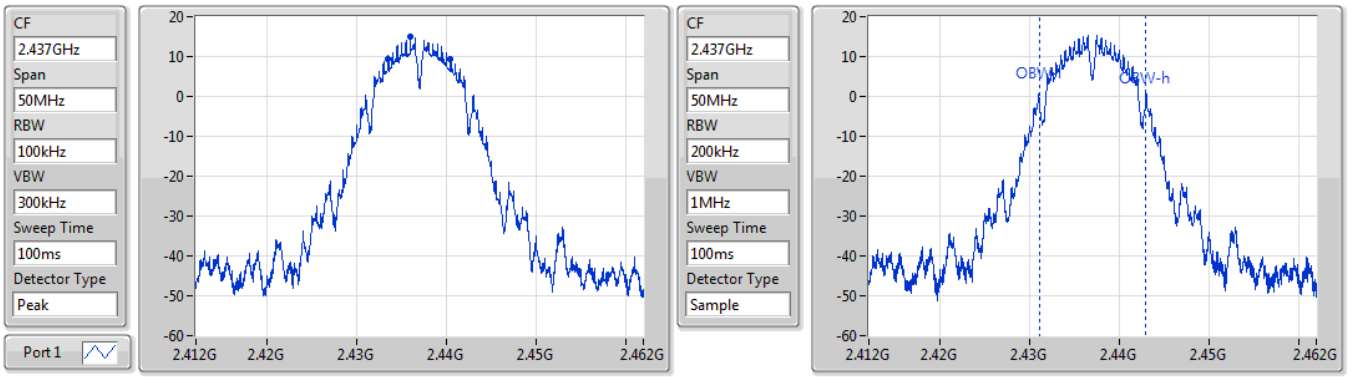


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.40845G	2.4155G	10.72M	2.406553G	2.417272G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

03/10/2019

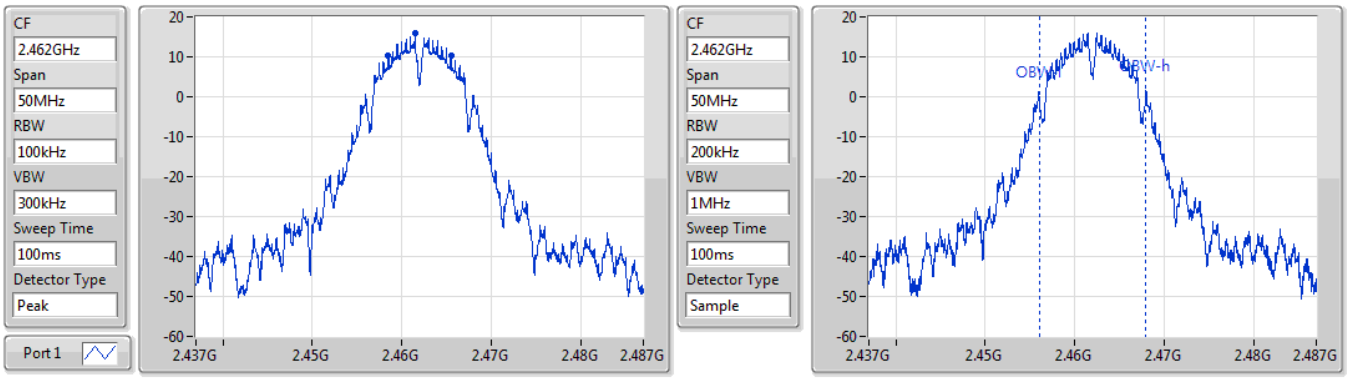


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.43345G	2.440475G	11.844M	2.431028G	2.442872G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

03/10/2019

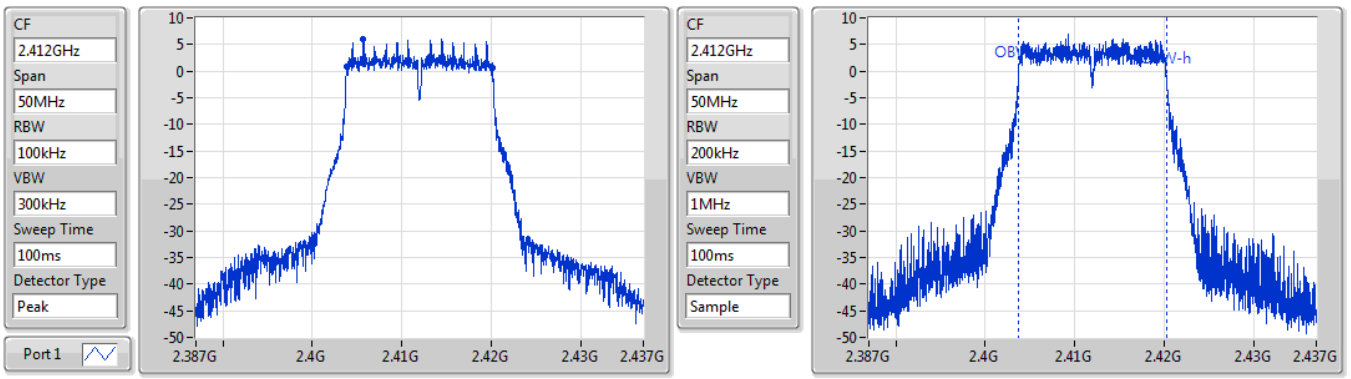


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.45845G	2.4655G	11.894M	2.456028G	2.467922G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

03/10/2019

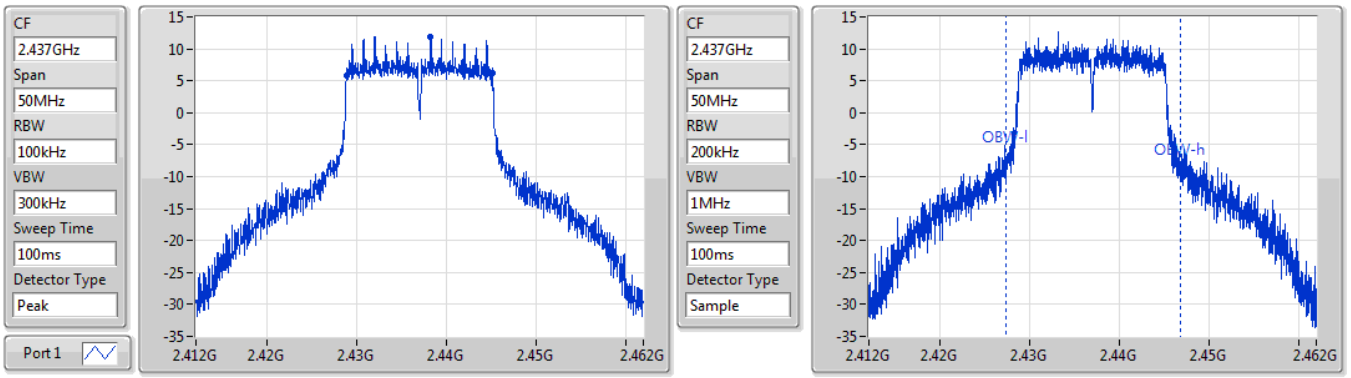


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.617M	2.403679G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

03/10/2019

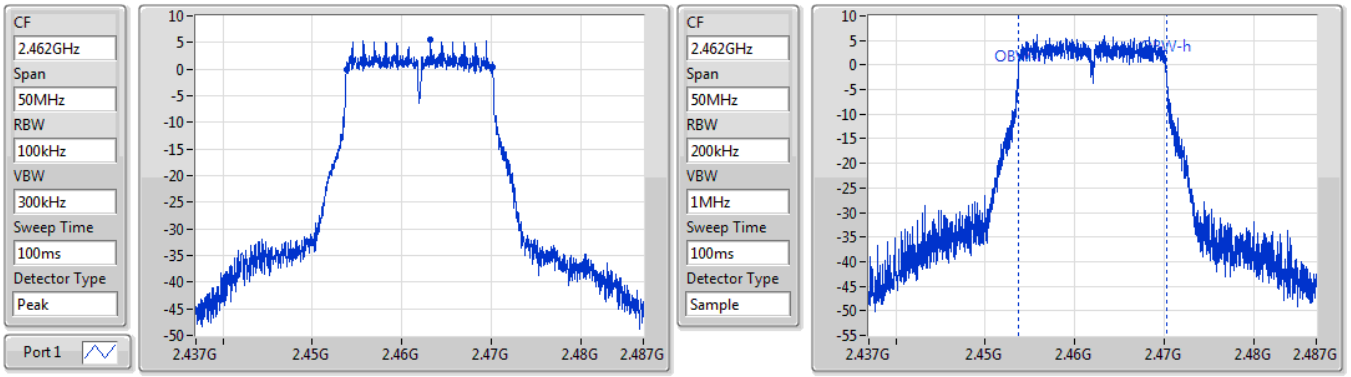


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4288G	2.44515G	19.49M	2.42738G	2.44687G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

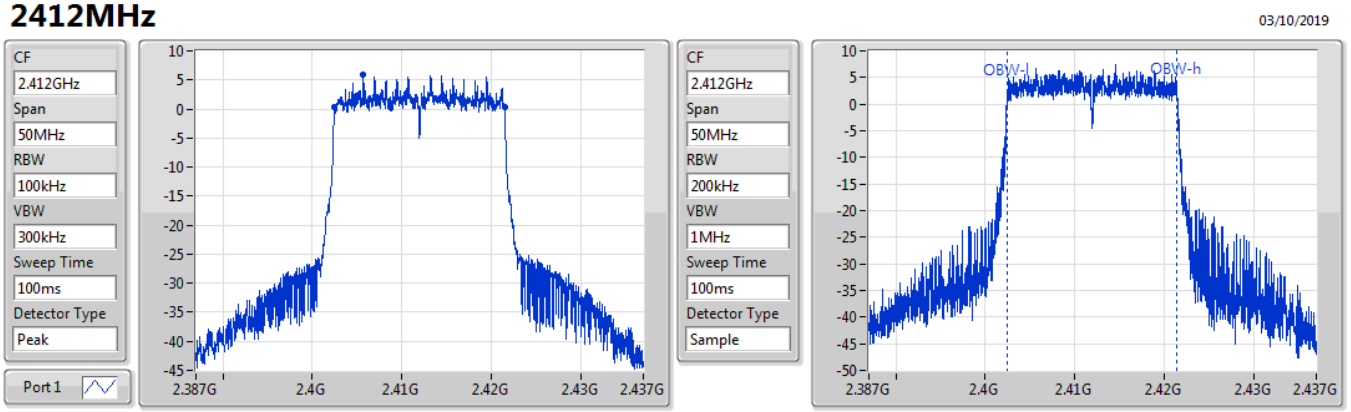
03/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.642M	2.453654G	2.470296G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

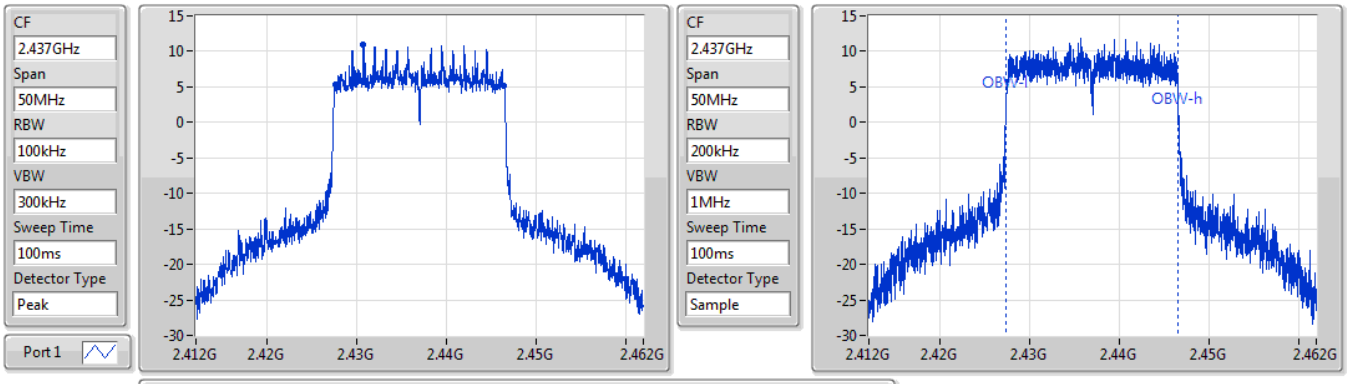
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4025G	2.4215G	18.991M	2.402455G	2.421445G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

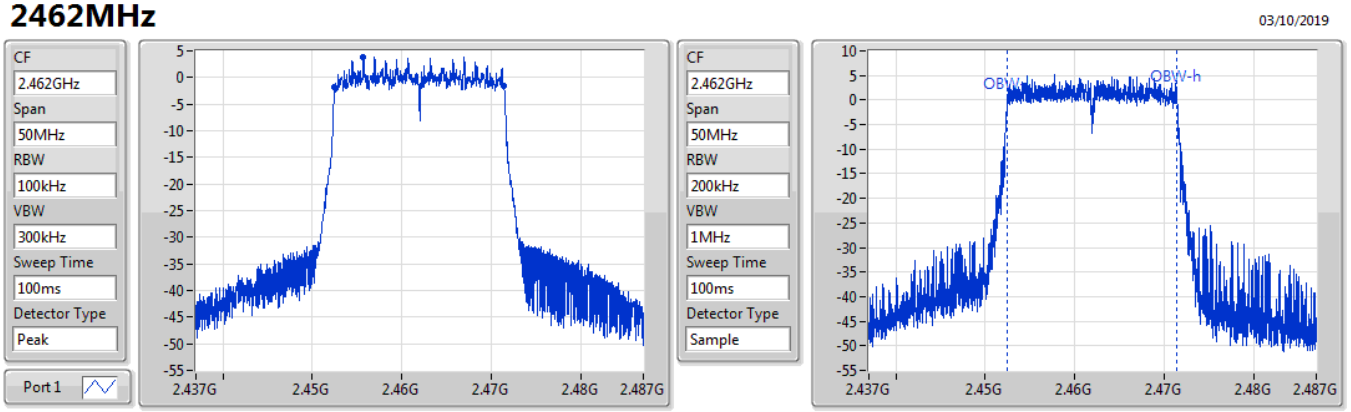
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.42755G	2.44645G	19.265M	2.42733G	2.446595G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

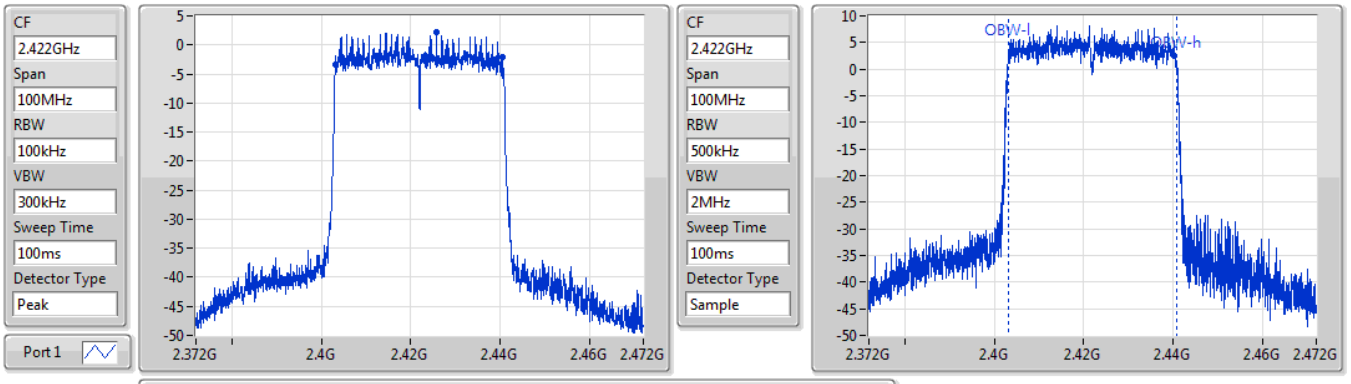
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.452475G	2.47145G	18.991M	2.452455G	2.471445G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

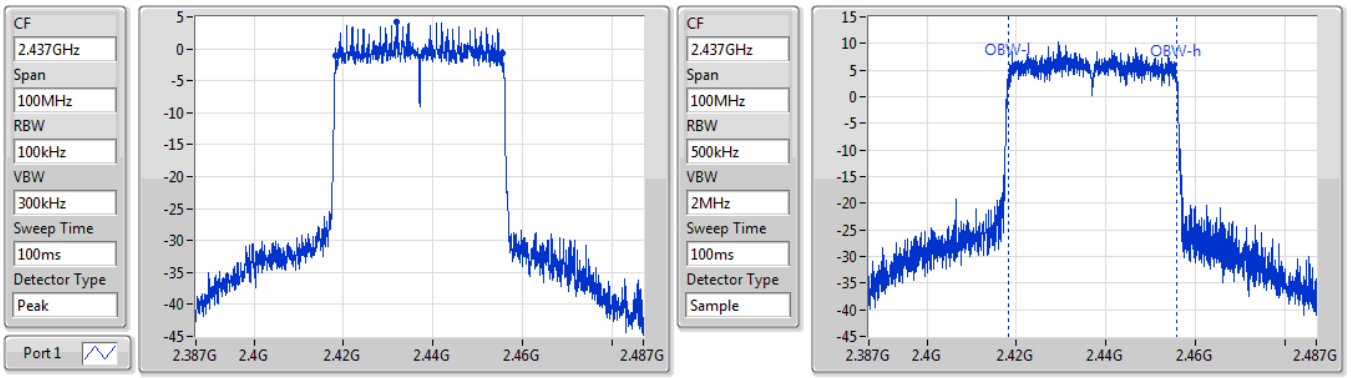


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	2.40315G	2.4404G	37.531M	2.403159G	2.440691G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

03/10/2019

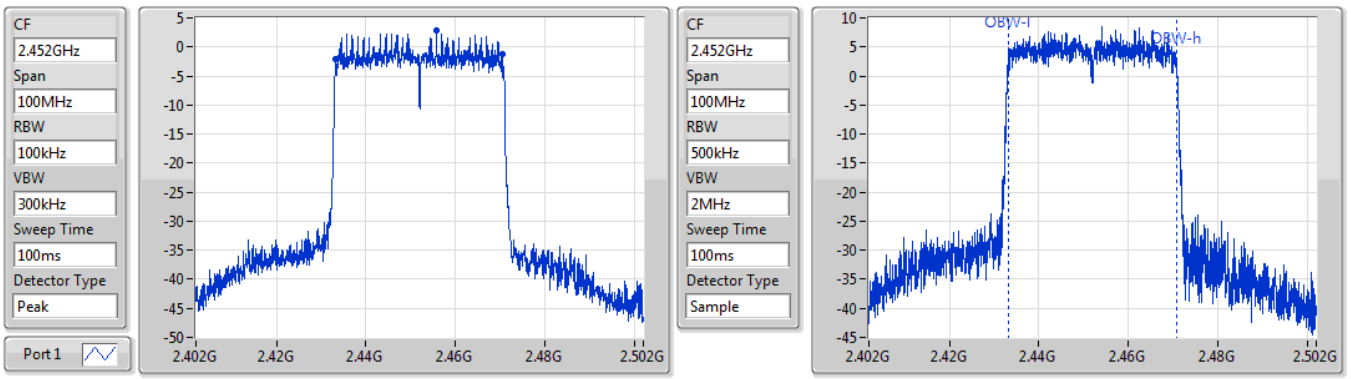


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.41815G	2.45545G	37.581M	2.418159G	2.455741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

03/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.43315G	2.47045G	37.581M	2.433159G	2.470741G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.05M	12.994M	13M0G1D	7.025M	10.295M
802.11g_Nss1,(6Mbps)_2TX	16.35M	17.241M	17M2D1D	16.325M	16.592M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.975M	19.115M	19M1D1D	18.725M	18.991M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.6M	37.631M	37M6D1D	36.95M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

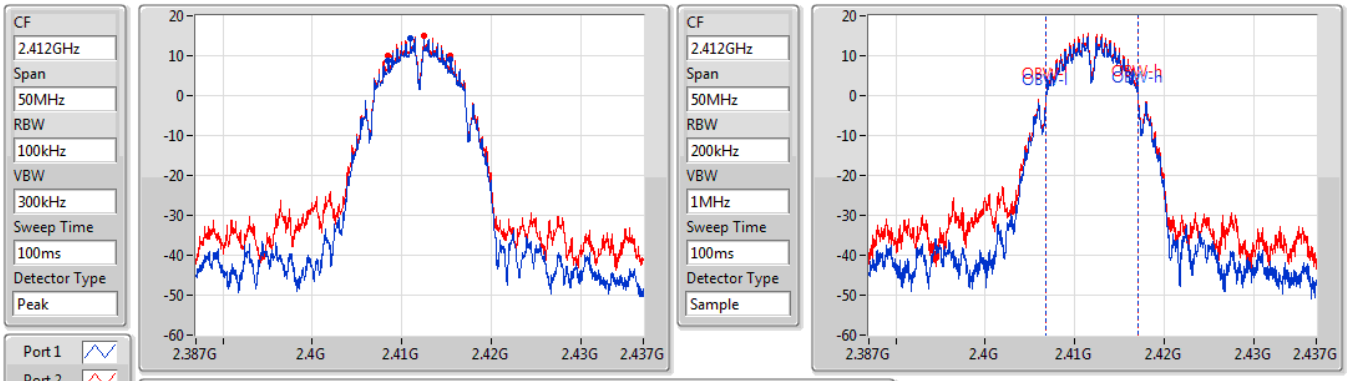
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.37M	7.025M	10.295M
2437MHz	Pass	500k	7.05M	12.019M	7.05M	12.994M
2462MHz	Pass	500k	7.05M	10.445M	7.025M	10.295M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.642M	16.35M	16.592M
2437MHz	Pass	500k	16.35M	16.842M	16.325M	17.241M
2462MHz	Pass	500k	16.35M	16.592M	16.35M	16.592M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	19.015M	18.875M	19.015M
2437MHz	Pass	500k	18.975M	19.04M	18.725M	19.115M
2462MHz	Pass	500k	18.95M	18.991M	18.85M	18.991M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.35M	37.631M	36.95M	37.581M
2437MHz	Pass	500k	37.35M	37.581M	37.6M	37.581M
2452MHz	Pass	500k	37.35M	37.631M	37.05M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

03/10/2019

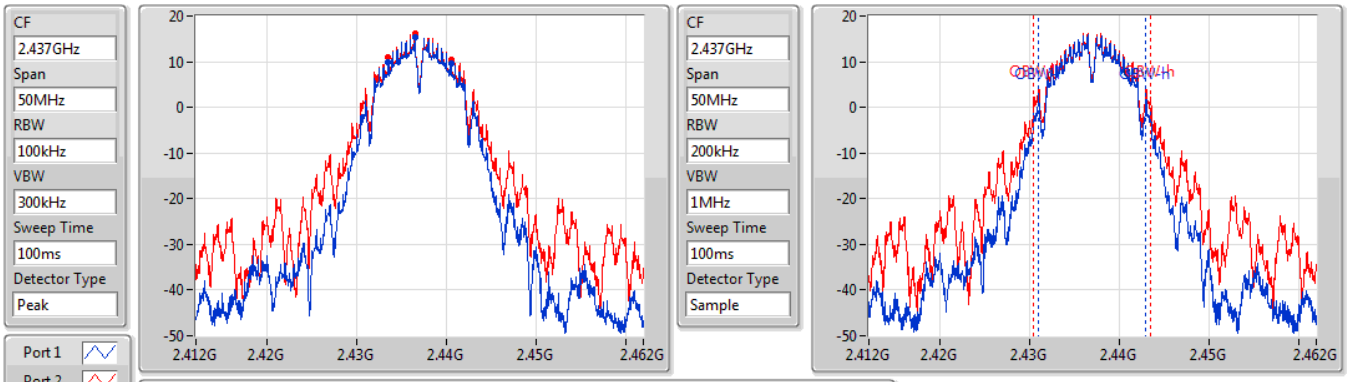


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.40845G	2.415475G	10.37M	2.406753G	2.417122G	500k	1
7.025M	2.40845G	2.415475G	10.295M	2.406803G	2.417097G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

03/10/2019

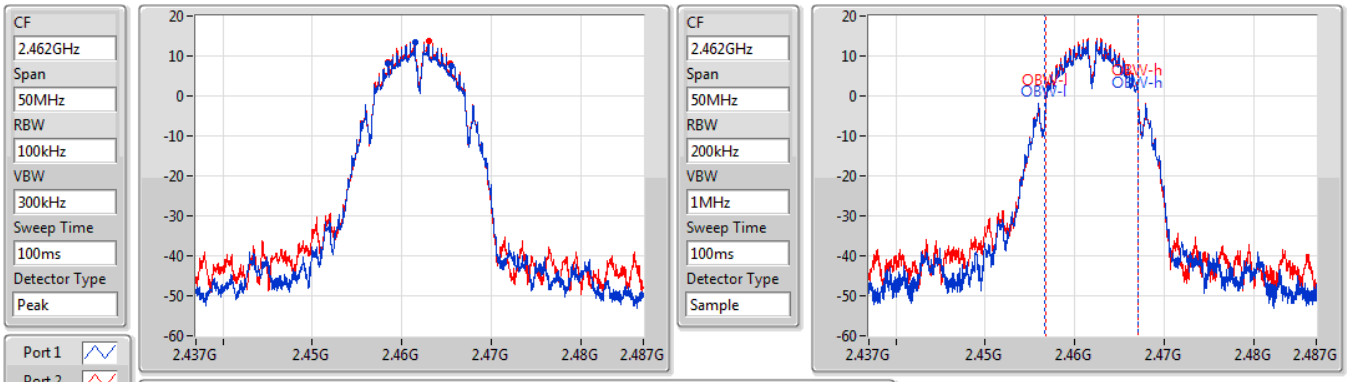


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.43345G	2.4405G	12.019M	2.430953G	2.442972G	500k	1
7.05M	2.43345G	2.4405G	12.994M	2.430453G	2.443447G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

03/10/2019

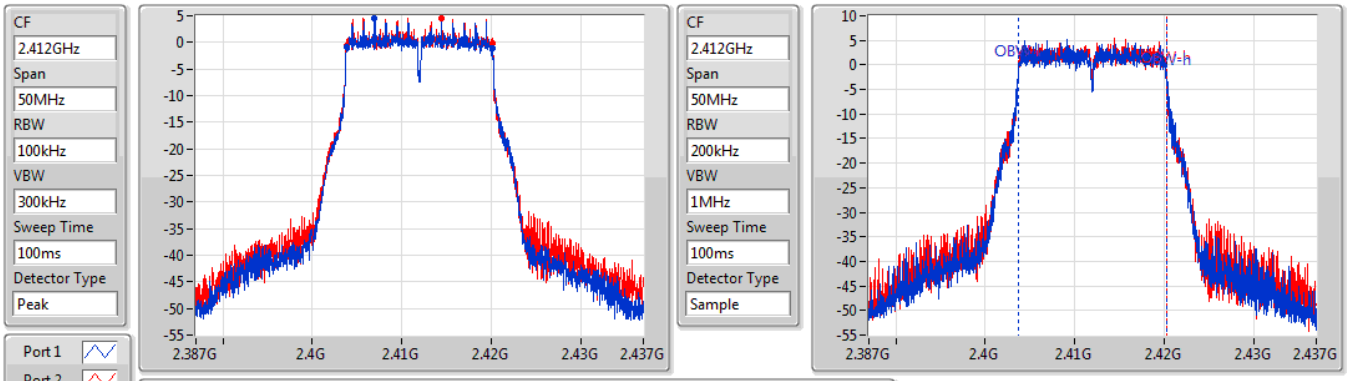


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.45845G	2.4655G	10.445M	2.456703G	2.467147G	500k	1
7.025M	2.45845G	2.465475G	10.295M	2.456778G	2.467072G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

03/10/2019

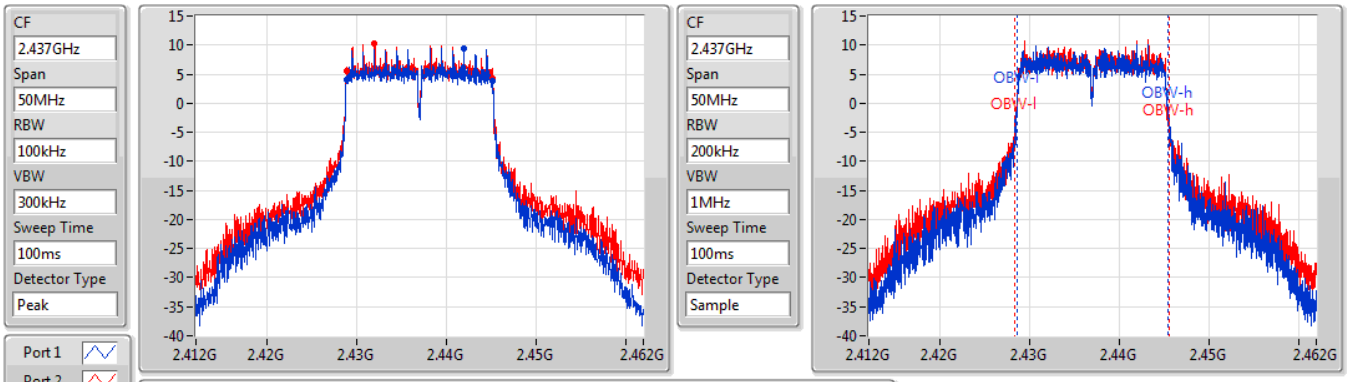


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.642M	2.403654G	2.420296G	500k	1
16.35M	2.4038G	2.42015G	16.592M	2.403654G	2.420246G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

03/10/2019

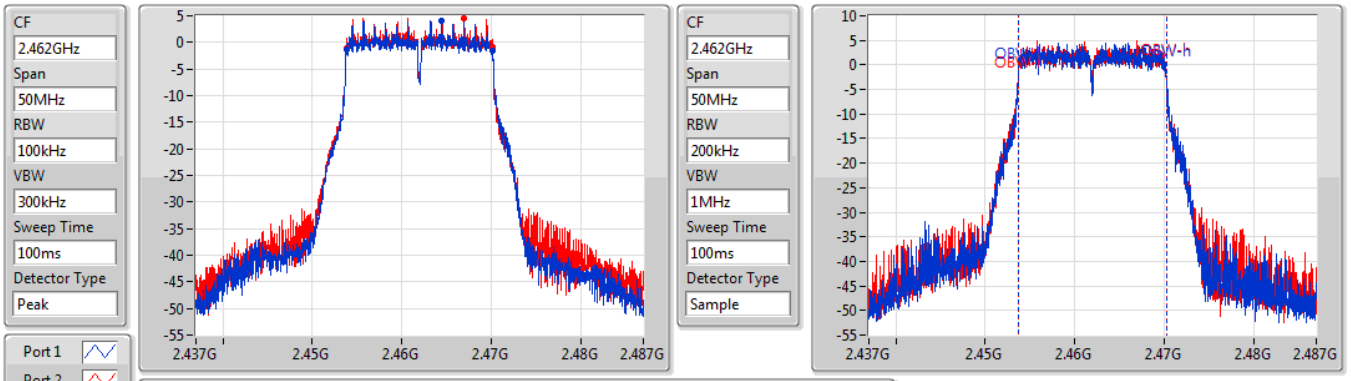


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4288G	2.44515G	16.842M	2.428554G	2.445396G	500k	1
16.325M	2.428825G	2.44515G	17.241M	2.428304G	2.445546G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

03/10/2019

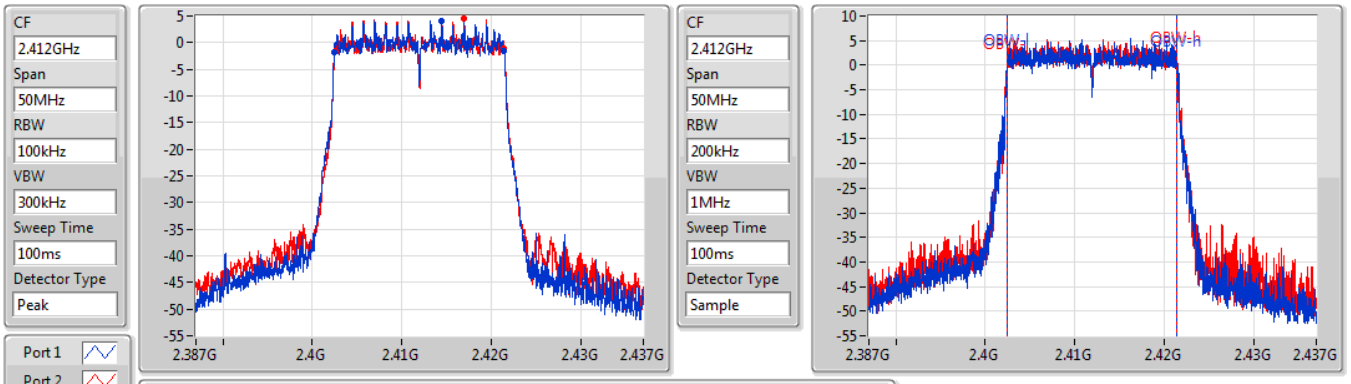


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.592M	2.453679G	2.470271G	500k	1
16.35M	2.4538G	2.47015G	16.592M	2.453654G	2.470246G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

03/10/2019

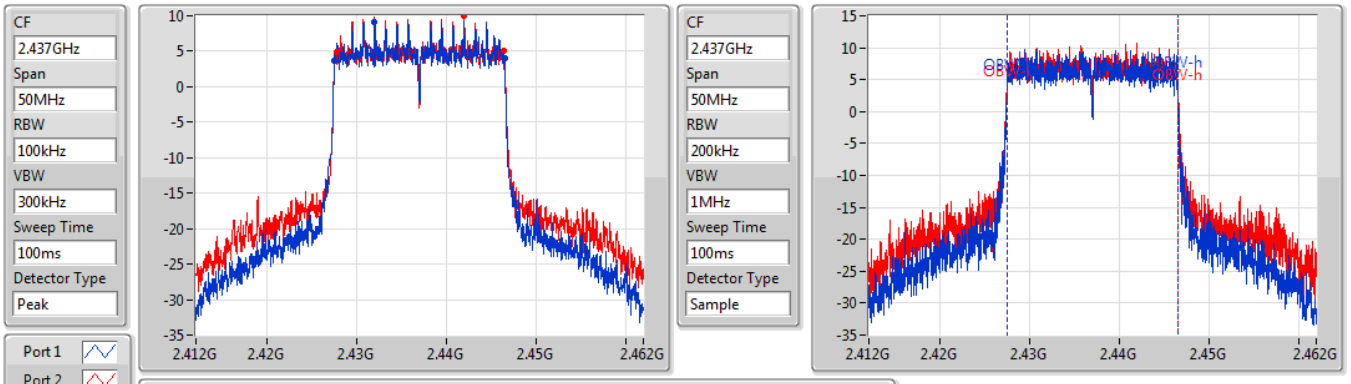


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.402475G	2.421425G	19.015M	2.402455G	2.42147G	500k	1
18.875M	2.402575G	2.42145G	19.015M	2.402455G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

03/10/2019

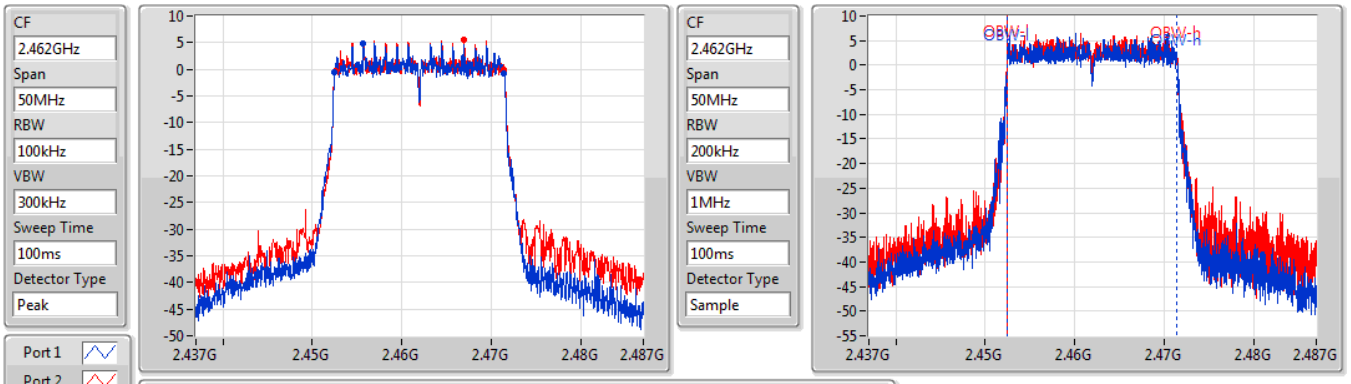


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	19.04M	2.427455G	2.446495G	500k	1
18.725M	2.4277G	2.446425G	19.115M	2.427405G	2.44652G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

03/10/2019

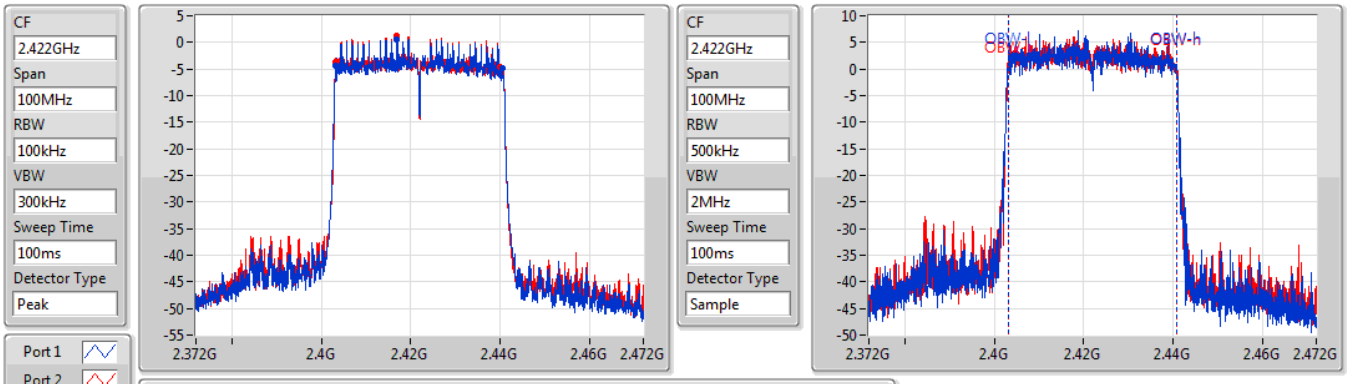


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	18.991M	2.45248G	2.47147G	500k	1
18.85M	2.4526G	2.47145G	18.991M	2.45248G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

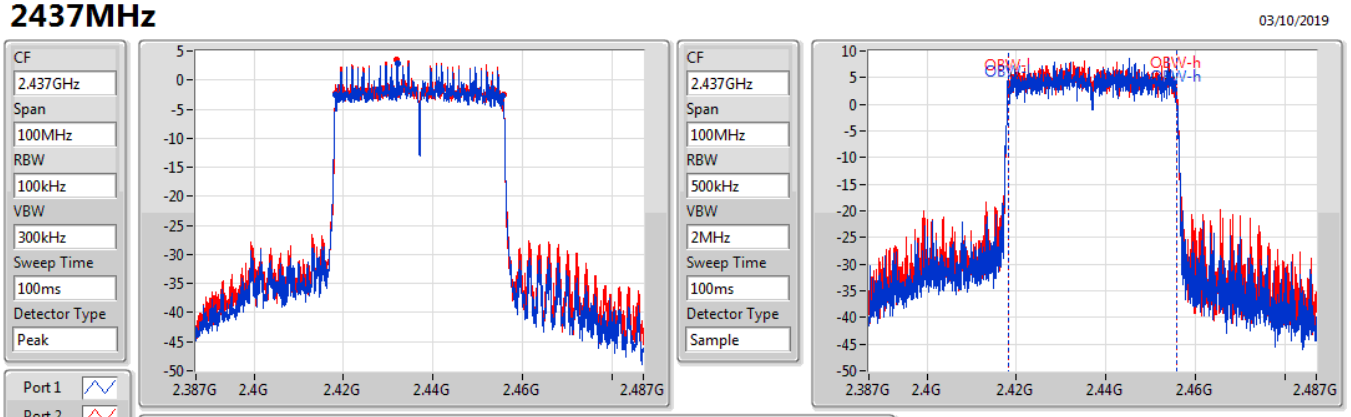
03/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.40315G	2.4405G	37.631M	2.403109G	2.440741G	500k	1
36.95M	2.40315G	2.4401G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

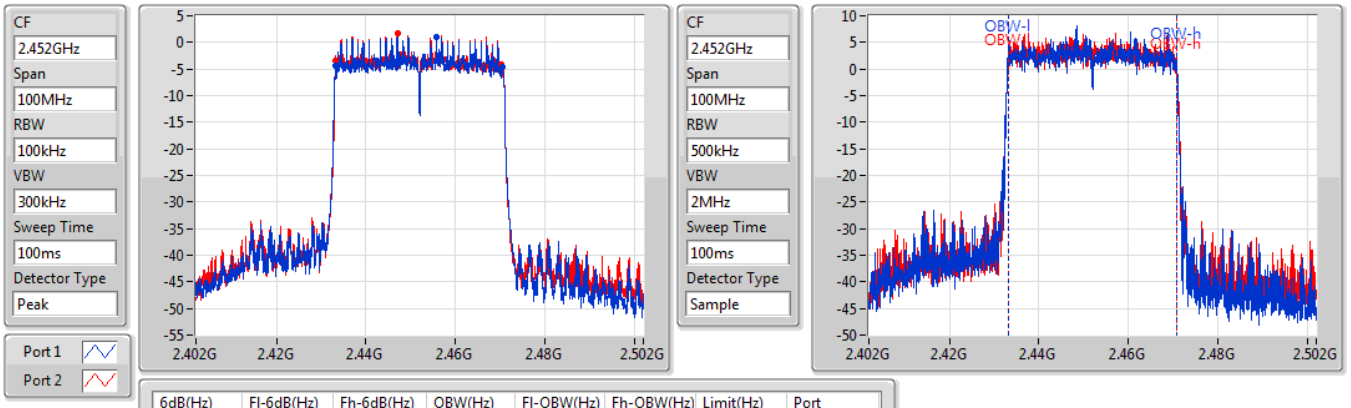
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.41815G	2.4555G	37.581M	2.418109G	2.455691G	500k	1
37.6M	2.41815G	2.45575G	37.581M	2.418159G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.43315G	2.4705G	37.631M	2.433109G	2.470741G	500k	1
37.05M	2.43315G	2.4702G	37.481M	2.433209G	2.470691G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.975M	19.14M	19M1D1D	18.85M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.631M	37M6D1D	36.8M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

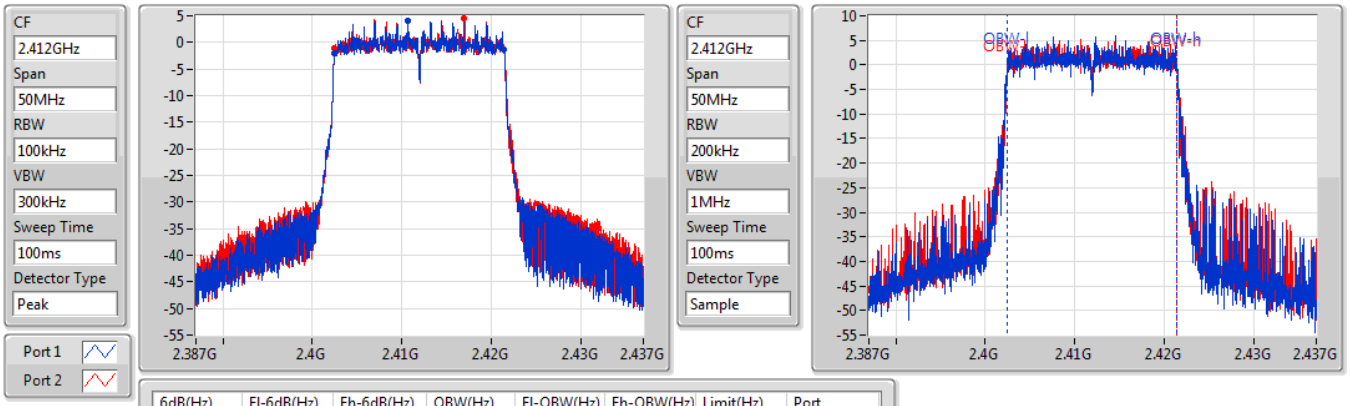
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	18.991M	18.875M	18.991M
2437MHz	Pass	500k	18.875M	19.09M	18.85M	19.14M
2462MHz	Pass	500k	18.975M	18.991M	18.975M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.481M	37.25M	37.531M
2437MHz	Pass	500k	37.55M	37.631M	37.15M	37.531M
2452MHz	Pass	500k	37.2M	37.531M	36.8M	37.631M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

13/10/2019

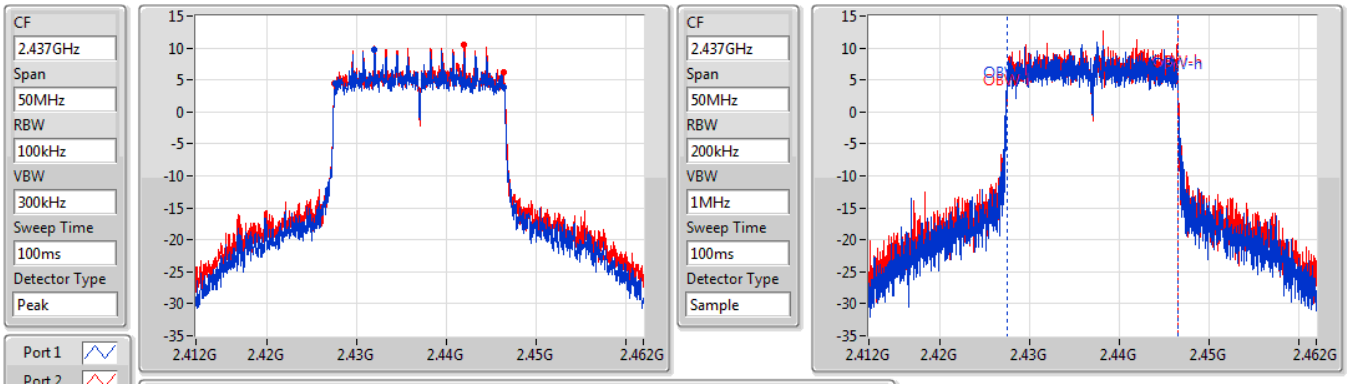


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.402475G	2.42145G	18.991M	2.402455G	2.421445G	500k	1
18.875M	2.4025G	2.421375G	18.991M	2.402455G	2.421445G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

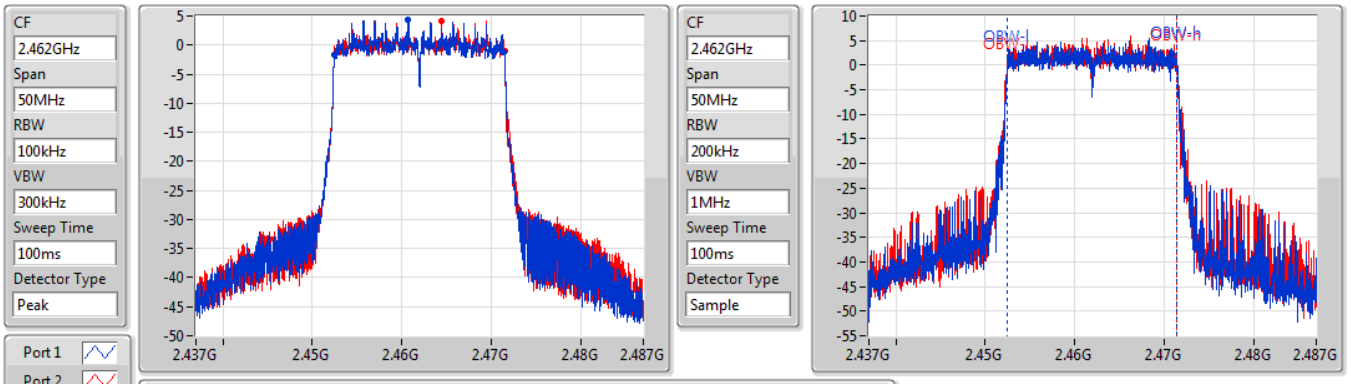


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.427575G	2.44645G	19.09M	2.427405G	2.446495G	500k	1
18.85M	2.427525G	2.446375G	19.14M	2.427405G	2.446545G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

13/10/2019

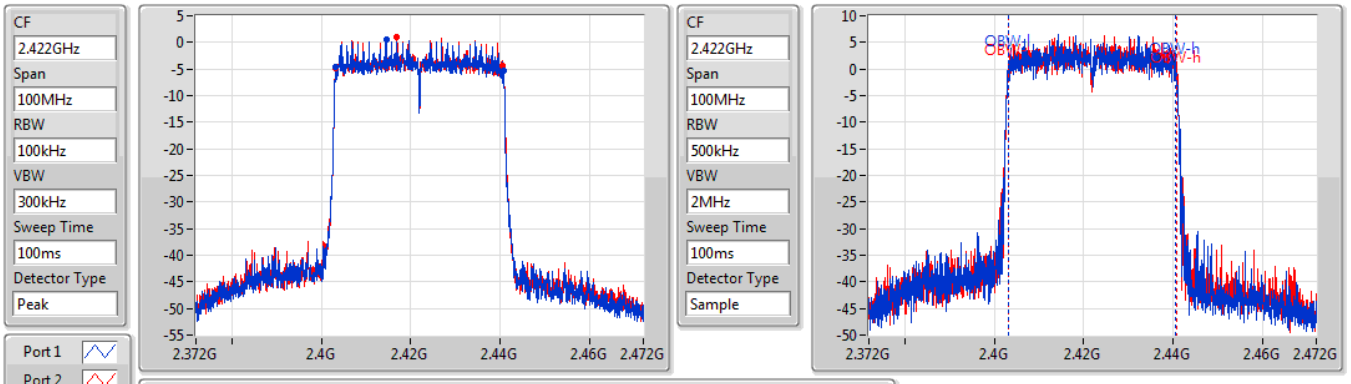


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.452475G	2.47145G	18.991M	2.452455G	2.471445G	500k	1
18.975M	2.4525G	2.471475G	18.991M	2.452455G	2.471445G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

13/10/2019

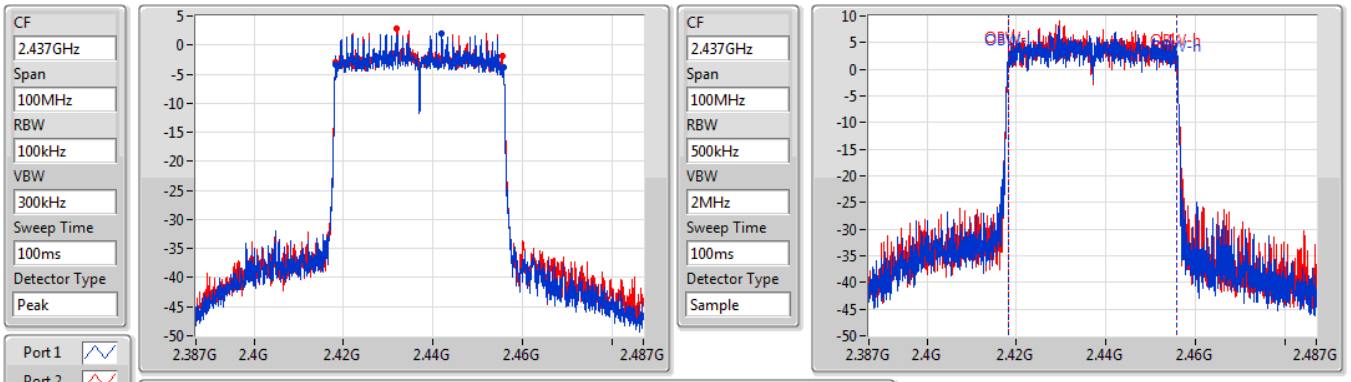


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40315G	2.44075G	37.481M	2.403159G	2.440641G	500k	1
37.25M	2.4032G	2.44045G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

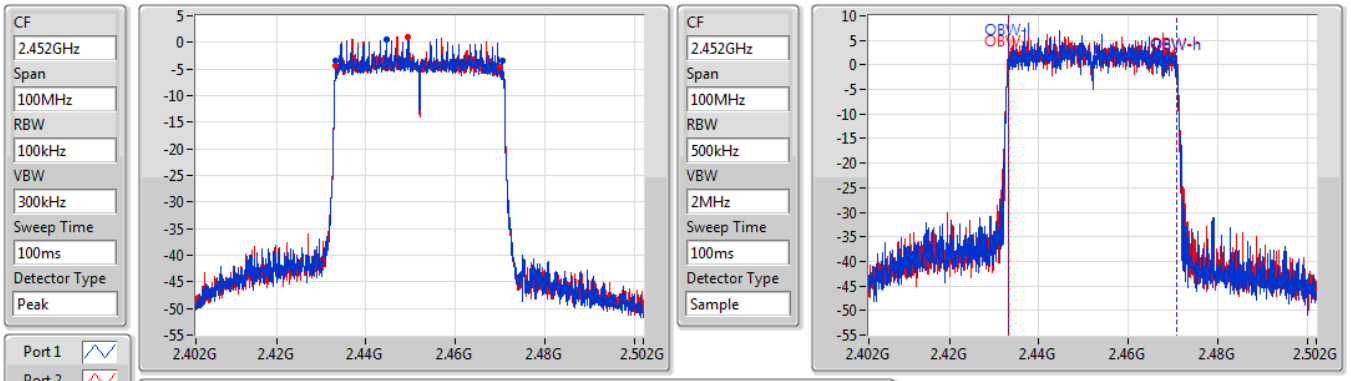


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.41815G	2.4557G	37.631M	2.418159G	2.455791G	500k	1
37.15M	2.41825G	2.4554G	37.531M	2.418159G	2.455691G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

13/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.2M	2.4332G	2.4704G	37.531M	2.433159G	2.470691G	500k	1
36.8M	2.4332G	2.47G	37.631M	2.433109G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.025M	10.77M	10M8G1D	6.5M	10.22M
802.11g_Nss1,(6Mbps)_1TX	16.35M	17.566M	17M6D1D	16.275M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.165M	19M2D1D	18.9M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.6M	37.631M	37M6D1D	37.45M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

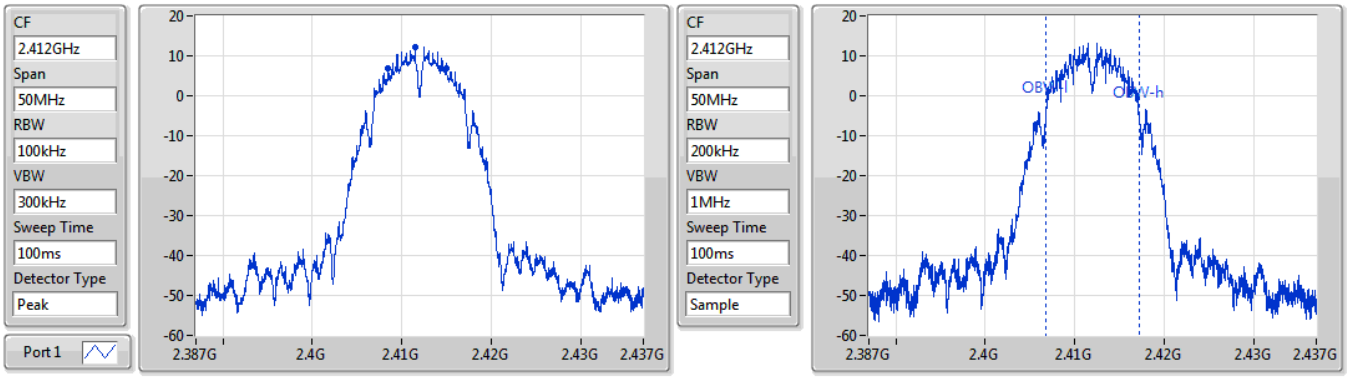
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	6.55M	10.395M
2437MHz	Pass	500k	6.5M	10.22M
2462MHz	Pass	500k	7.025M	10.77M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.35M	16.567M
2437MHz	Pass	500k	16.275M	17.566M
2462MHz	Pass	500k	16.35M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.975M	18.941M
2437MHz	Pass	500k	18.9M	19.165M
2462MHz	Pass	500k	18.975M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.45M	37.481M
2437MHz	Pass	500k	37.5M	37.631M
2452MHz	Pass	500k	37.6M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

10/10/2019

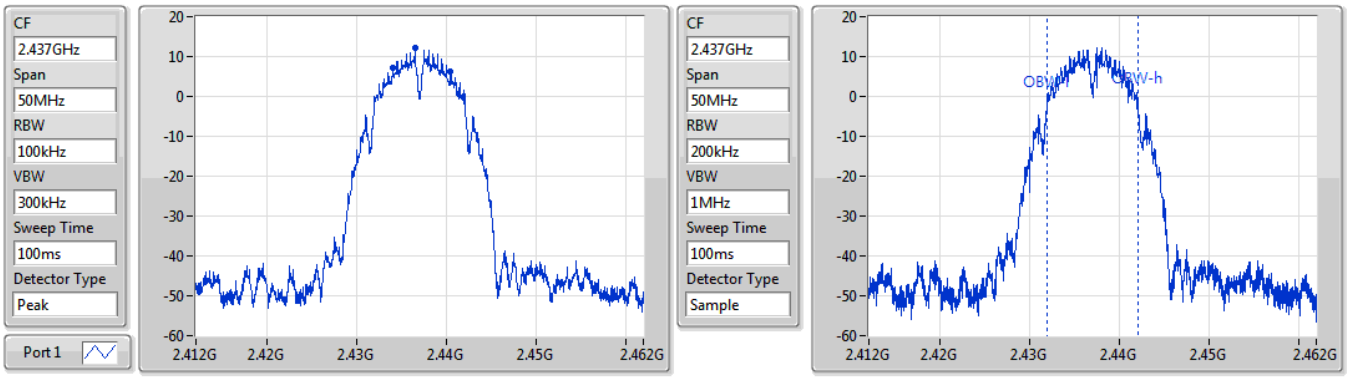


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.55M	2.408475G	2.415025G	10.395M	2.406778G	2.417172G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

10/10/2019

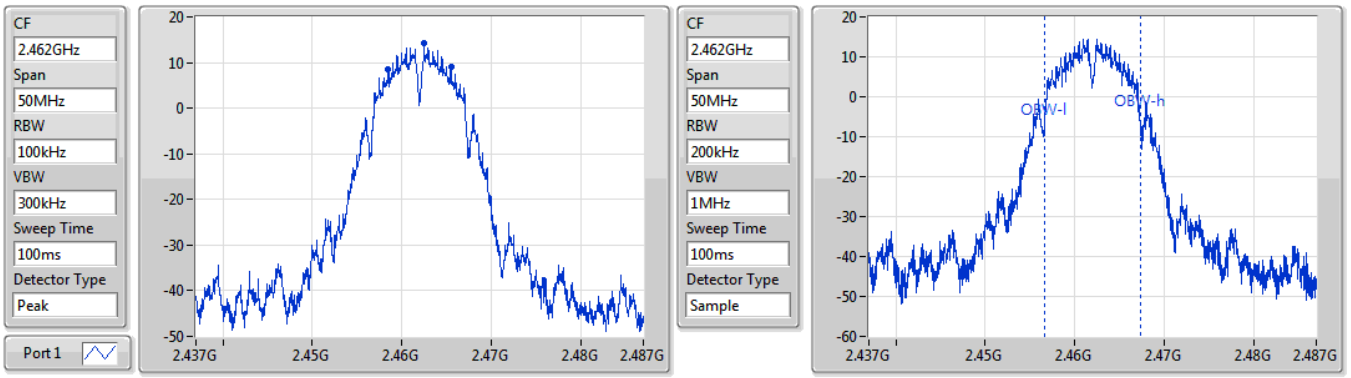


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.5M	2.433975G	2.440475G	10.22M	2.431878G	2.442097G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

10/10/2019

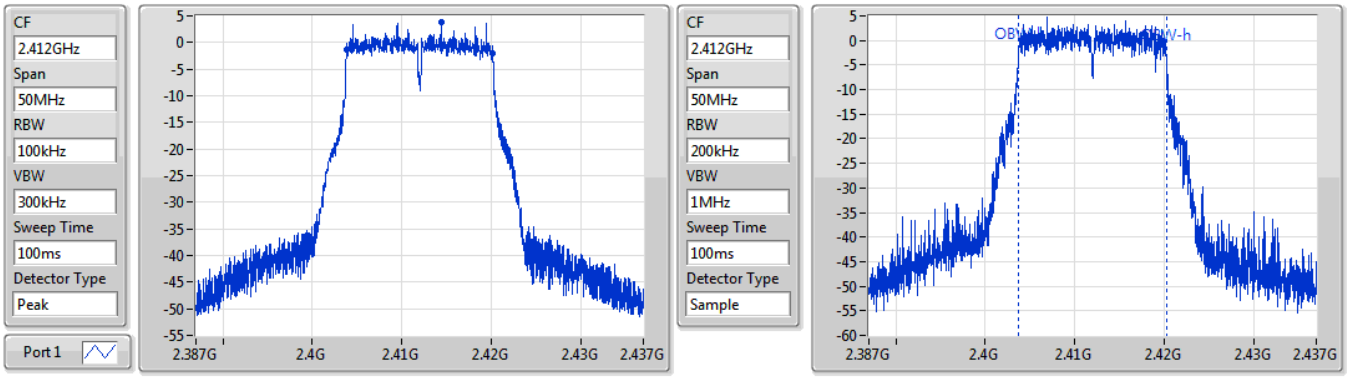


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.77M	2.456578G	2.467347G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

10/10/2019

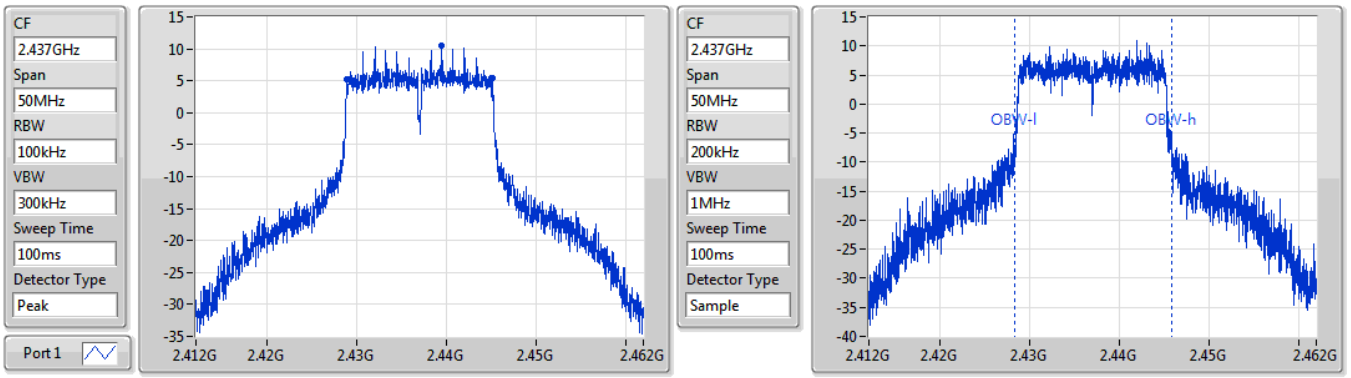


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.403825G	2.420175G	16.567M	2.403704G	2.420271G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

10/10/2019

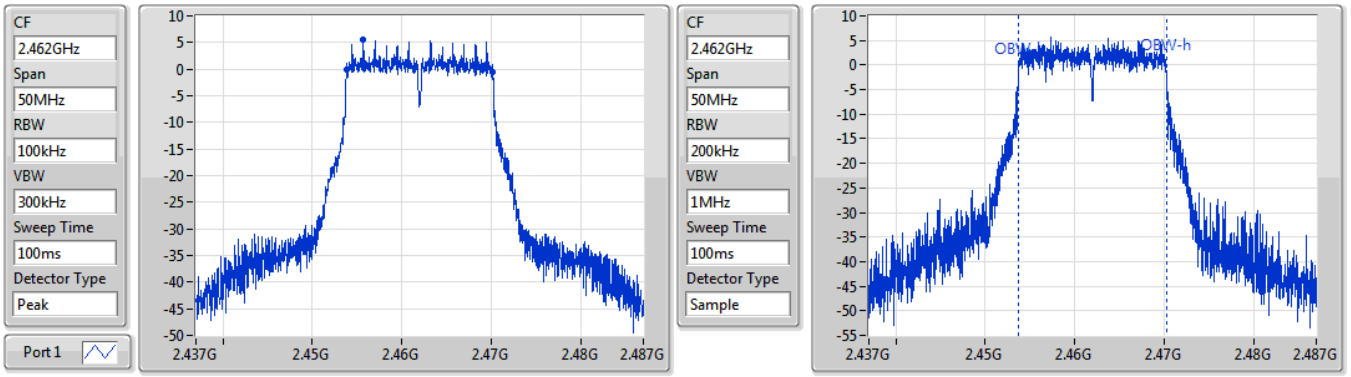


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.428875G	2.44515G	17.566M	2.428304G	2.445871G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

10/10/2019

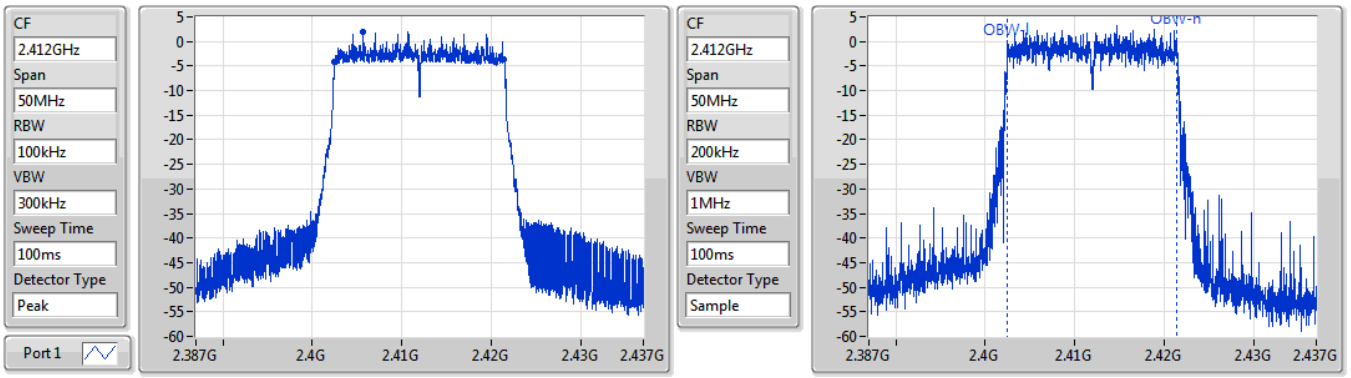


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.567M	2.453704G	2.470271G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

10/10/2019

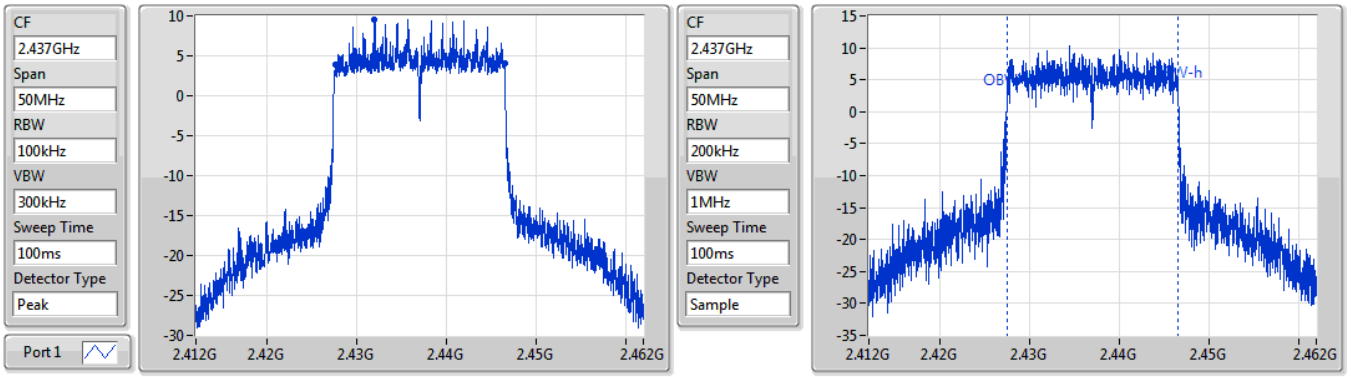


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.402475G	2.42145G	18.941M	2.402505G	2.421445G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

10/10/2019

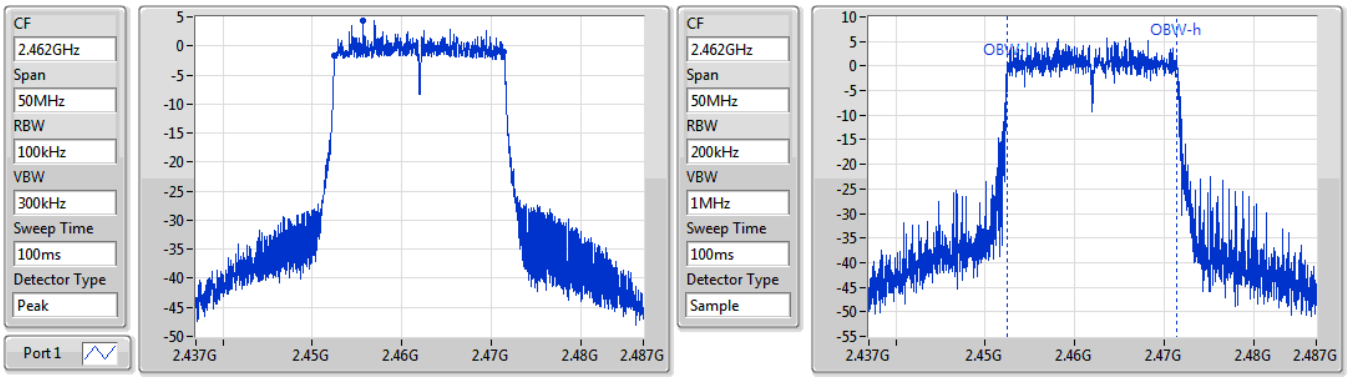


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.427575G	2.446475G	19.165M	2.427405G	2.44657G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

10/10/2019

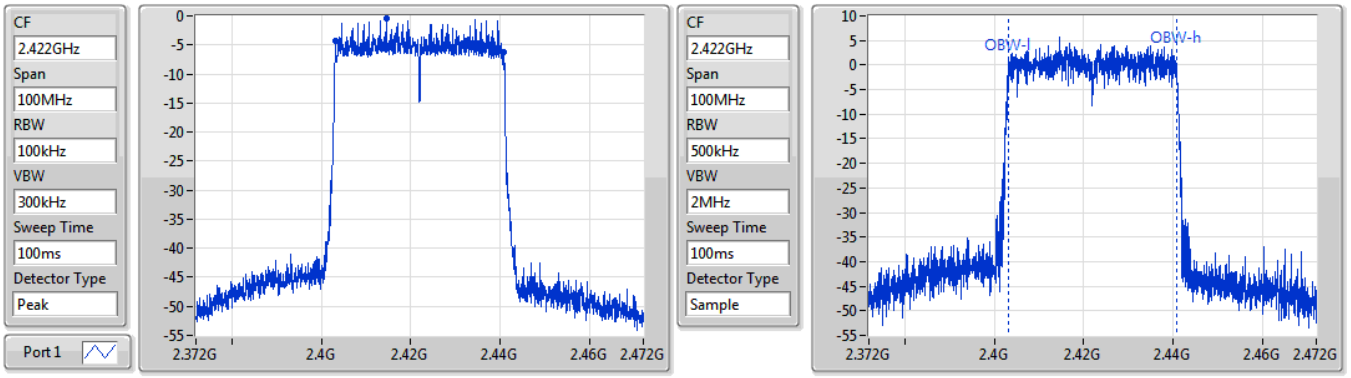


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.452475G	2.47145G	18.966M	2.45248G	2.471445G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

10/10/2019

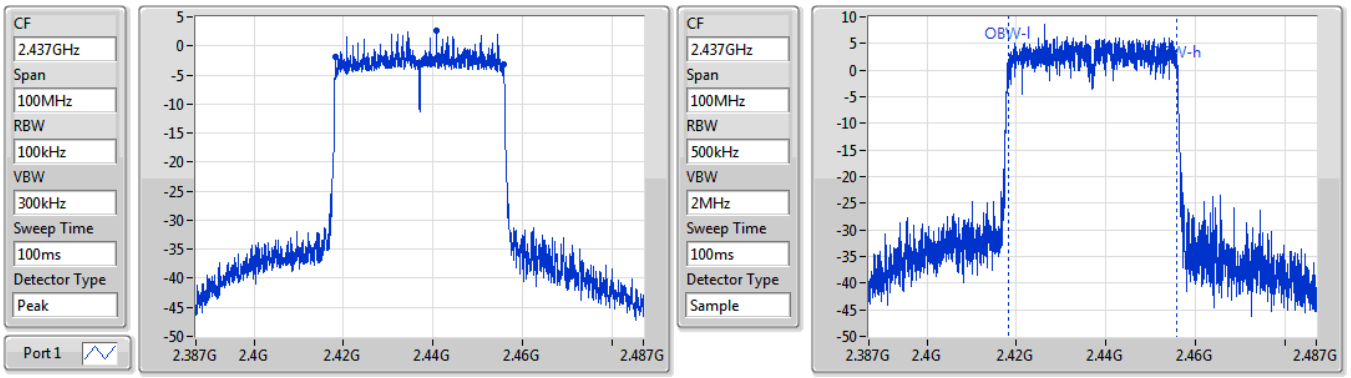


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.40325G	2.4407G	37.481M	2.403259G	2.440741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

10/10/2019

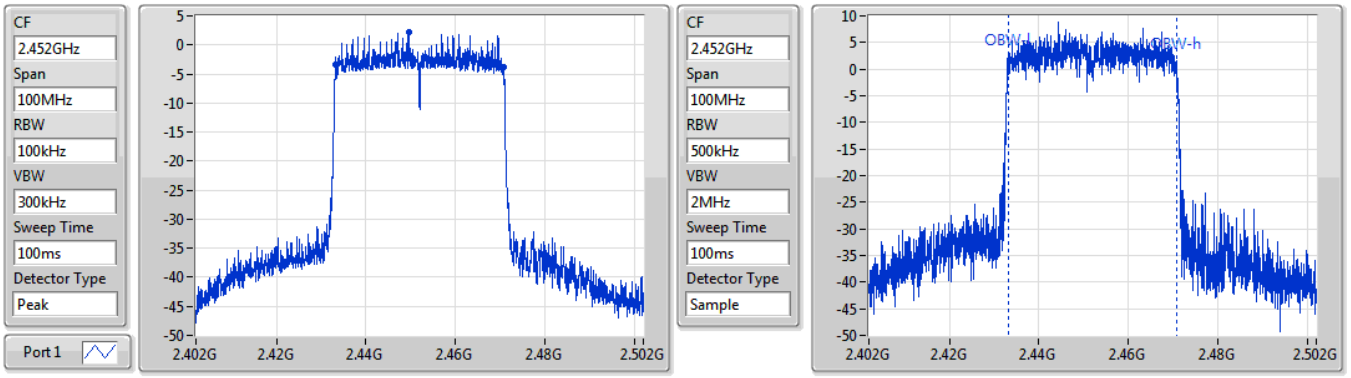


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4182G	2.4557G	37.631M	2.418159G	2.455791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.43315G	2.47075G	37.481M	2.433209G	2.470691G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.025M	10.32M	10M3G1D	6.05M	10.22M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.667M	16M7D1D	16.325M	16.517M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.95M	19.04M	19M0D1D	18.6M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.5M	37.581M	37M6D1D	36.9M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

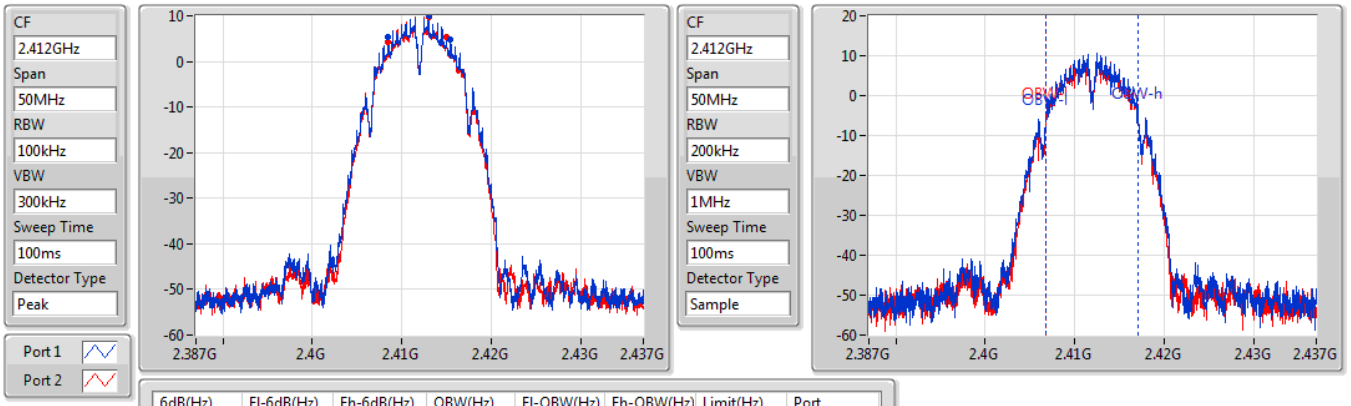
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7M	10.32M	6.475M	10.27M
2437MHz	Pass	500k	7M	10.22M	6.575M	10.22M
2462MHz	Pass	500k	7.025M	10.245M	6.05M	10.245M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.542M	16.35M	16.517M
2437MHz	Pass	500k	16.325M	16.592M	16.325M	16.667M
2462MHz	Pass	500k	16.325M	16.542M	16.325M	16.567M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M	18.925M	18.991M
2437MHz	Pass	500k	18.85M	19.015M	18.6M	19.04M
2462MHz	Pass	500k	18.95M	18.966M	18.825M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.45M	37.481M	36.9M	37.531M
2437MHz	Pass	500k	37.5M	37.581M	37M	37.581M
2452MHz	Pass	500k	37.35M	37.531M	37M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

12/10/2019

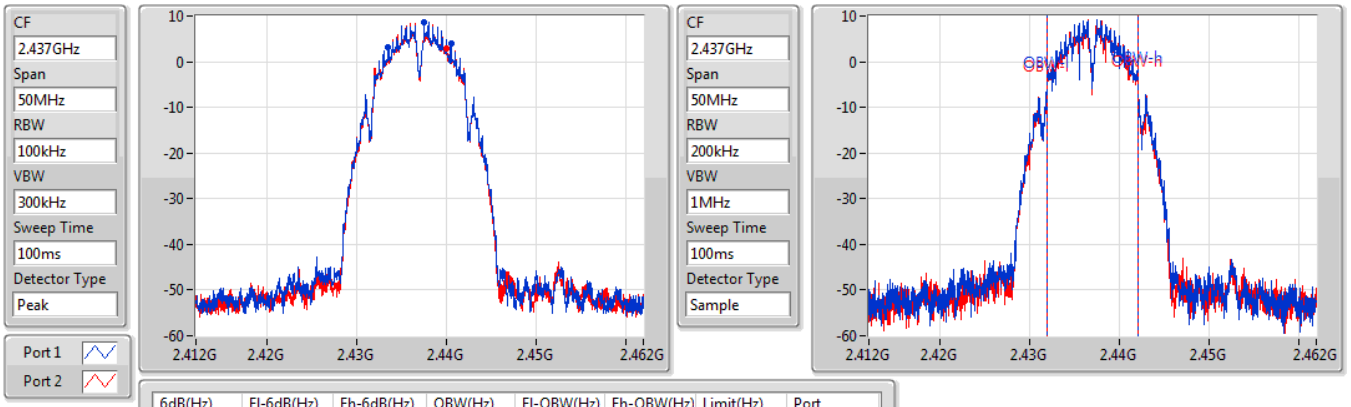


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.408475G	2.415475G	10.32M	2.406803G	2.417122G	500k	1
6.475M	2.4085G	2.414975G	10.27M	2.406828G	2.417097G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

12/10/2019

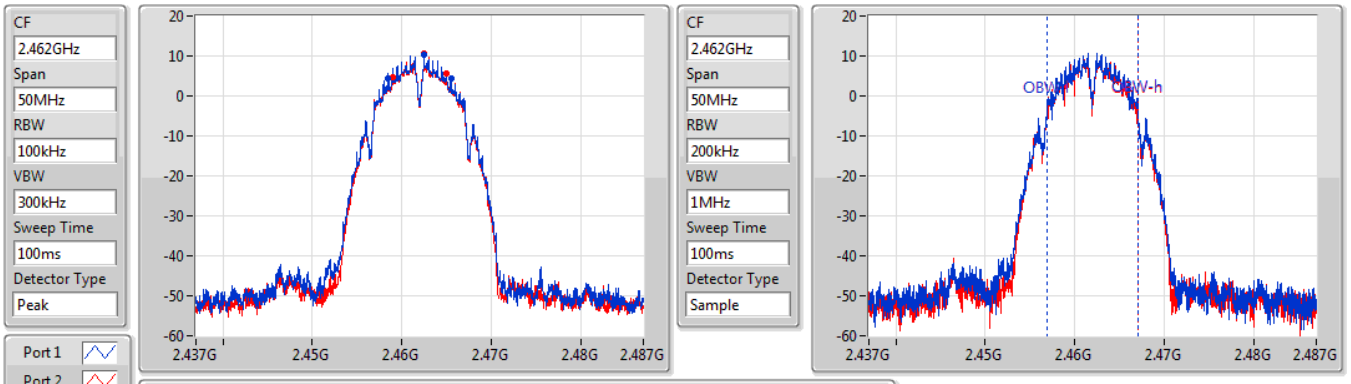


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4335G	2.4405G	10.22M	2.431853G	2.442072G	500k	1
6.575M	2.433475G	2.44005G	10.22M	2.431878G	2.442097G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

12/10/2019

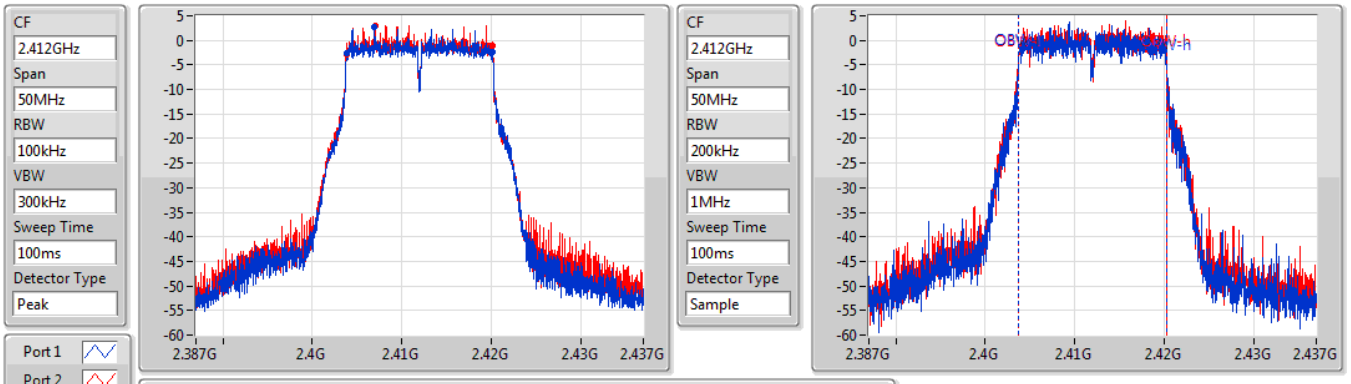


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.245M	2.456853G	2.467097G	500k	1
6.05M	2.45895G	2.465G	10.245M	2.456853G	2.467097G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

12/10/2019

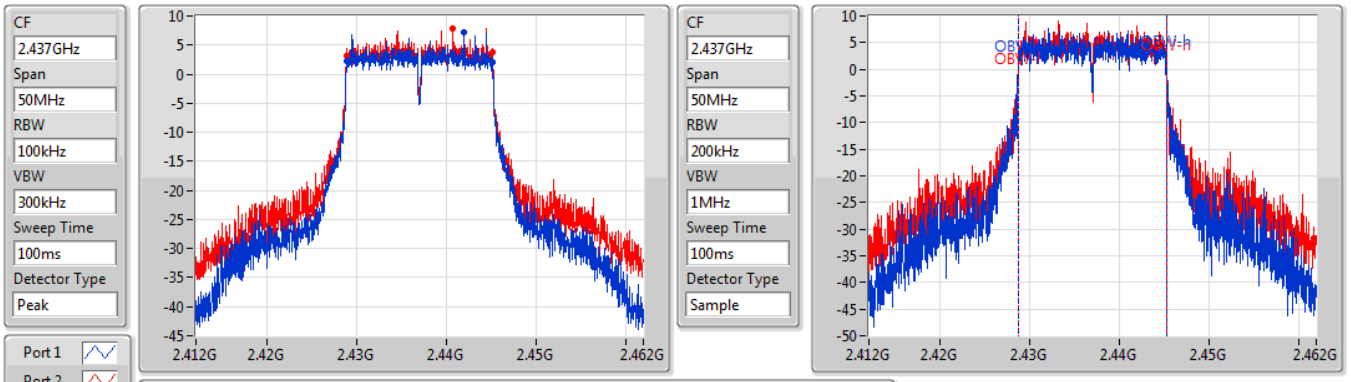


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.542M	2.403704G	2.420246G	500k	1
16.35M	2.4038G	2.42015G	16.517M	2.403704G	2.420221G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

12/10/2019

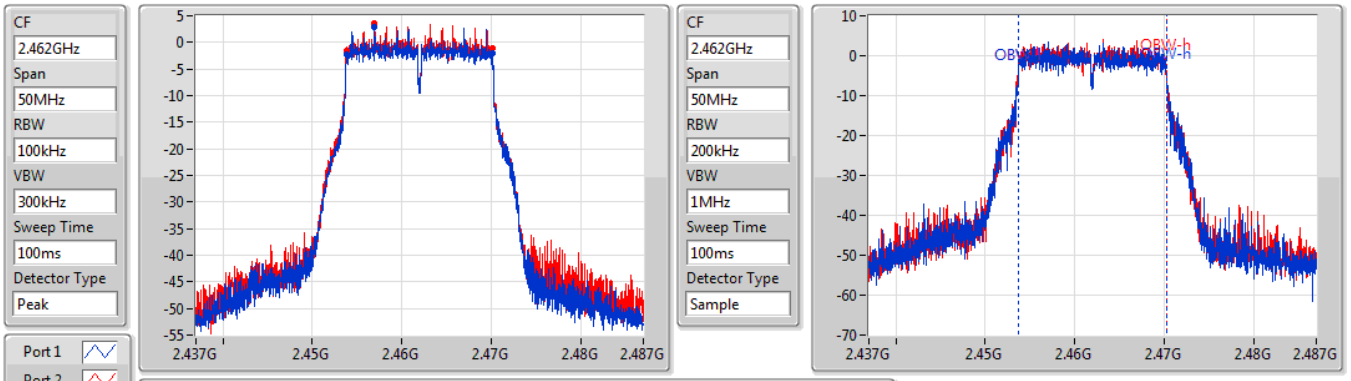


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.592M	2.428679G	2.445271G	500k	1
16.325M	2.428825G	2.44515G	16.667M	2.428654G	2.445321G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

12/10/2019

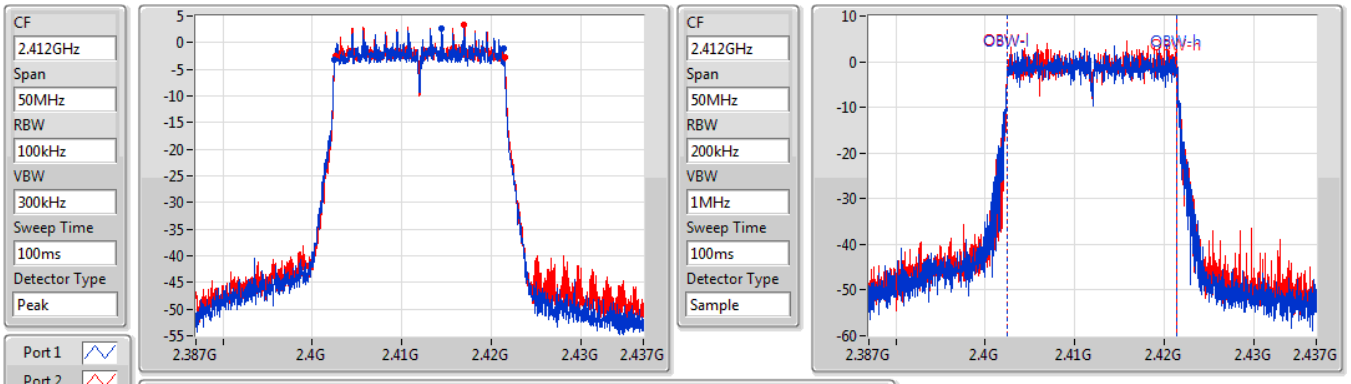


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.542M	2.453704G	2.470246G	500k	1
16.325M	2.453825G	2.47015G	16.567M	2.453654G	2.470221G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

12/10/2019

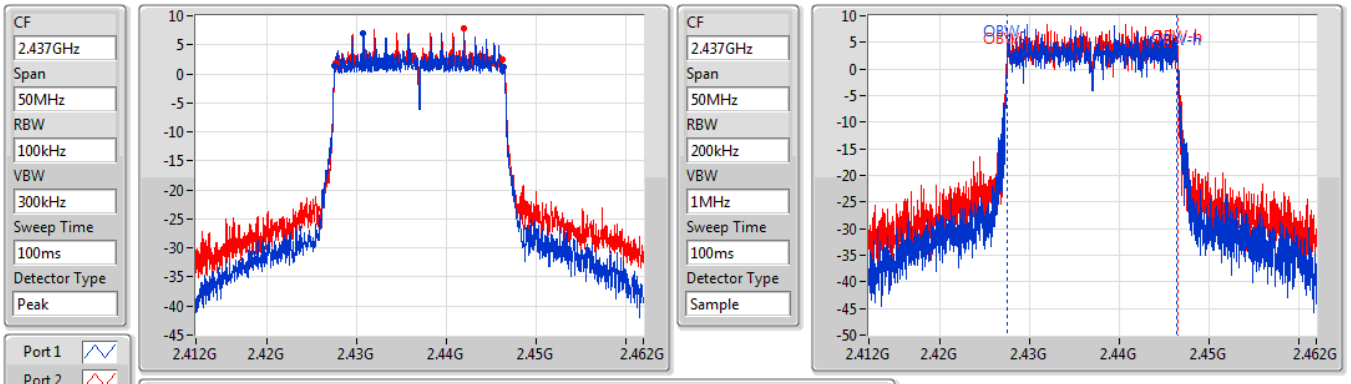


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4025G	2.421425G	18.991M	2.40248G	2.42147G	500k	1
18.925M	2.40255G	2.421475G	18.991M	2.40248G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

12/10/2019

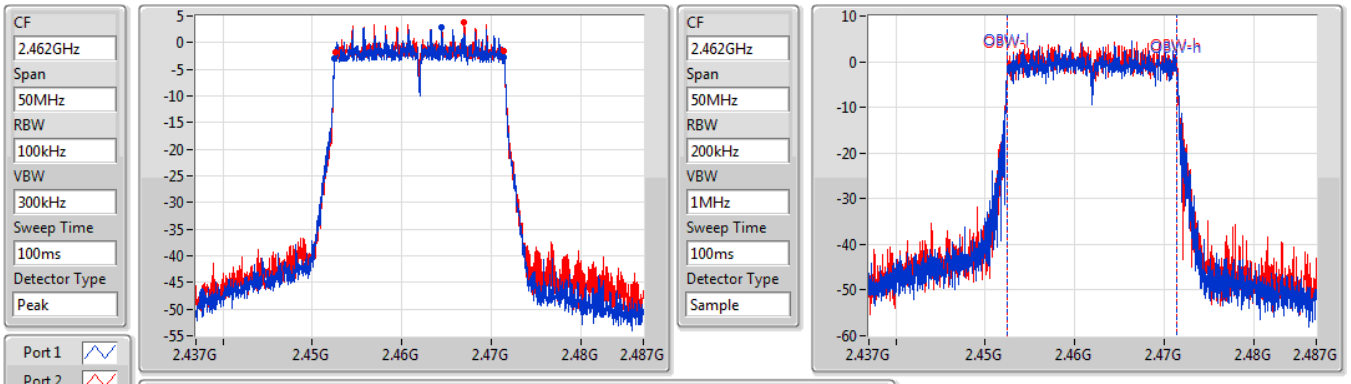


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.85M	2.4275G	2.44635G	19.015M	2.427455G	2.44647G	500k	1
18.6M	2.42765G	2.44625G	19.04M	2.427455G	2.446495G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

12/10/2019

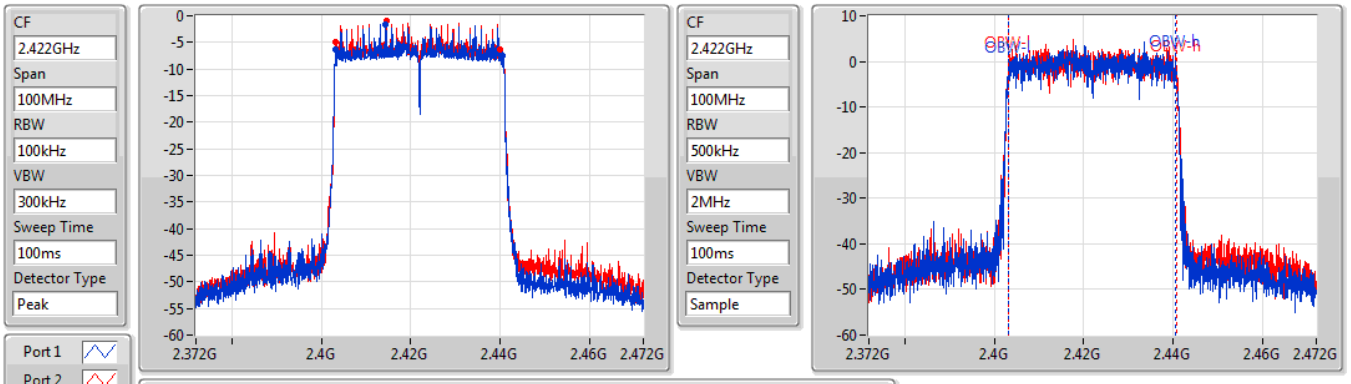


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	18.966M	2.45248G	2.471445G	500k	1
18.825M	2.4526G	2.471425G	18.941M	2.452505G	2.471445G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

12/10/2019

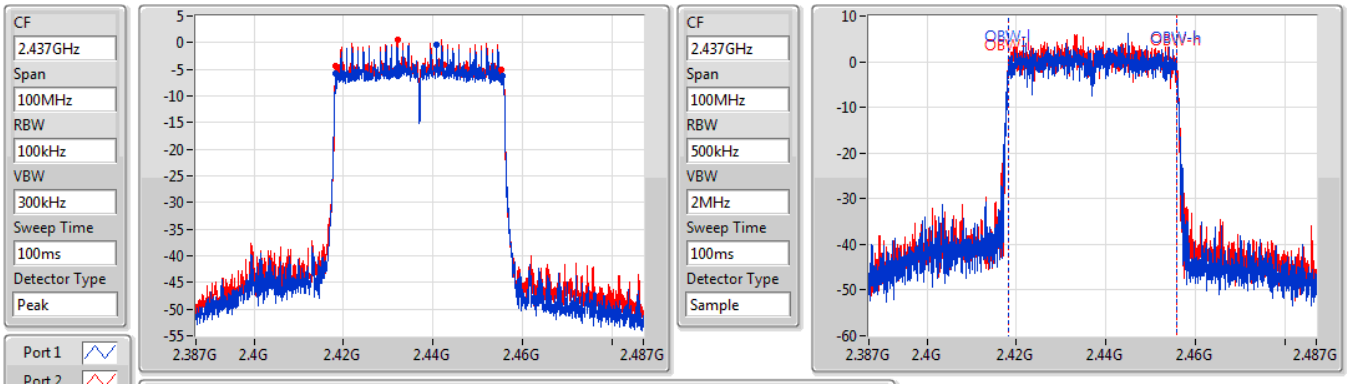


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4032G	2.44065G	37.481M	2.403159G	2.440641G	500k	1
36.9M	2.4032G	2.4401G	37.531M	2.403159G	2.440691G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

12/10/2019

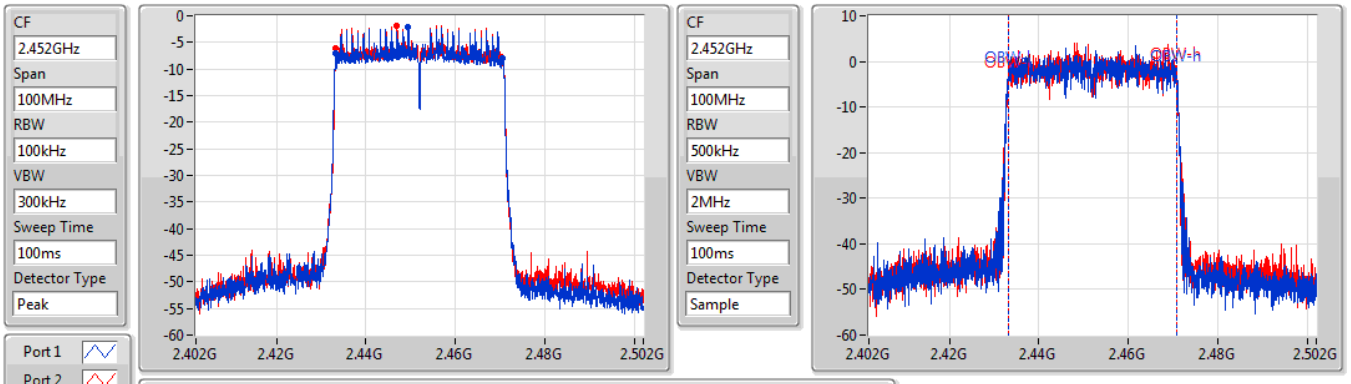


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.41815G	2.45565G	37.581M	2.418159G	2.455741G	500k	1
37M	2.4182G	2.4552G	37.581M	2.418209G	2.455791G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

12/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.43315G	2.4705G	37.531M	2.433159G	2.470691G	500k	1
37M	2.4332G	2.4702G	37.481M	2.433209G	2.470691G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.975M	19.14M	19M1D1D	18.925M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.55M	37.581M	37M6D1D	37M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

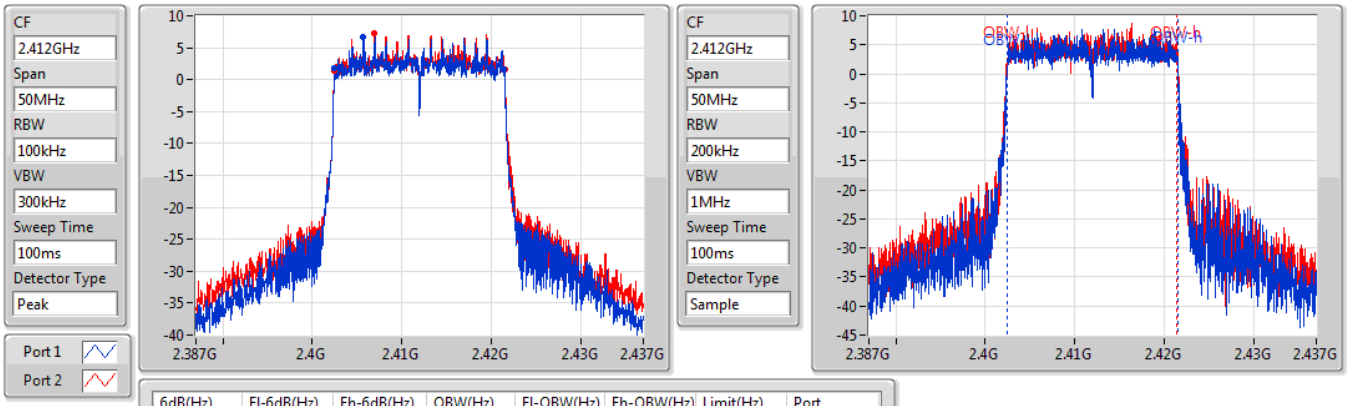
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
2412MHz	Pass	500k	18.925M	19.015M	18.975M	19.015M
2437MHz	Pass	500k	18.95M	19.09M	18.95M	19.14M
2462MHz	Pass	500k	18.95M	18.991M	18.975M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37M	37.481M	37.25M	37.531M
2437MHz	Pass	500k	37.3M	37.481M	37.55M	37.581M
2452MHz	Pass	500k	37.25M	37.531M	37.1M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

14/10/2019

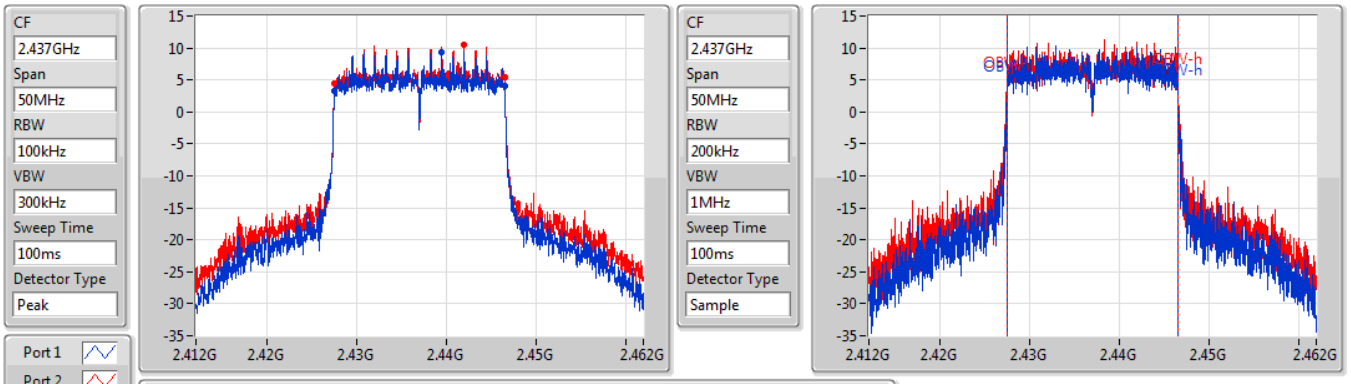


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.402525G	2.42145G	19.015M	2.40248G	2.421495G	500k	1
18.975M	2.4025G	2.421475G	19.015M	2.402455G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

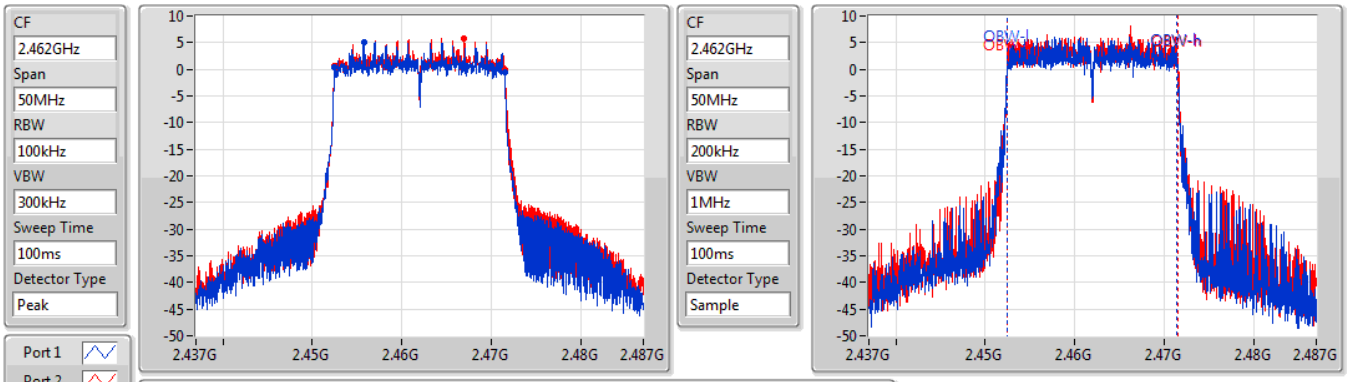


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.427525G	2.446475G	19.09M	2.42743G	2.44652G	500k	1
18.95M	2.427525G	2.446475G	19.14M	2.427405G	2.446545G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

14/10/2019

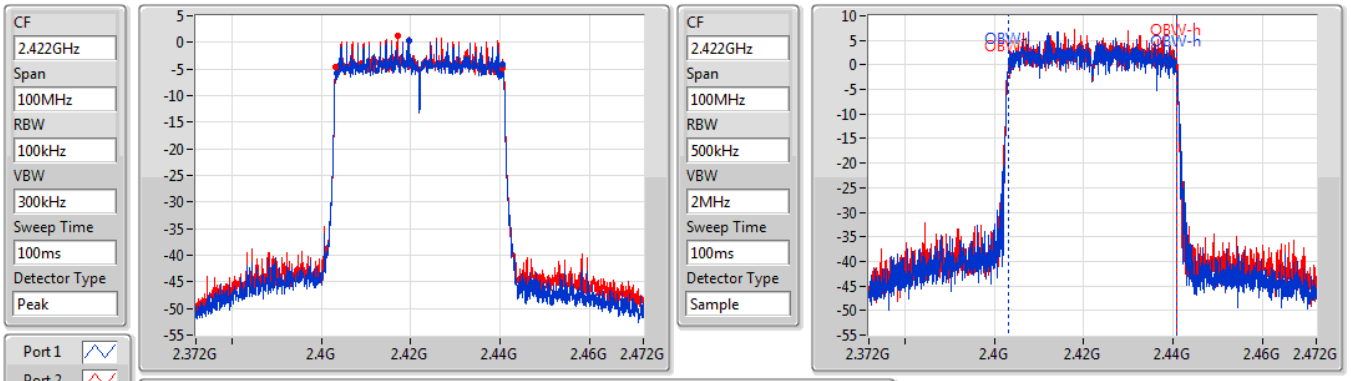


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.452525G	2.471475G	18.991M	2.45248G	2.47147G	500k	1
18.975M	2.452525G	2.4715G	19.015M	2.45248G	2.471495G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

14/10/2019

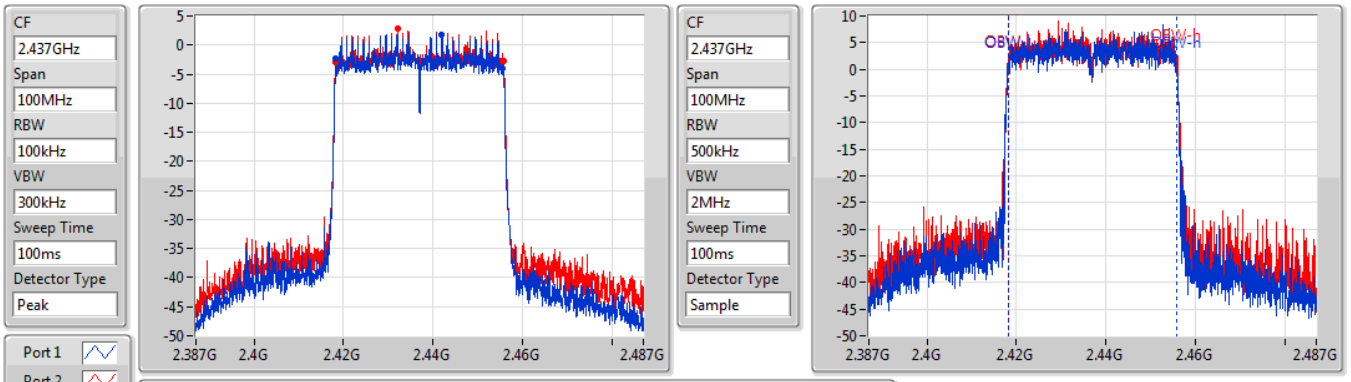


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37M	2.4034G	2.4404G	37.481M	2.403209G	2.440691G	500k	1
37.25M	2.4032G	2.44045G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

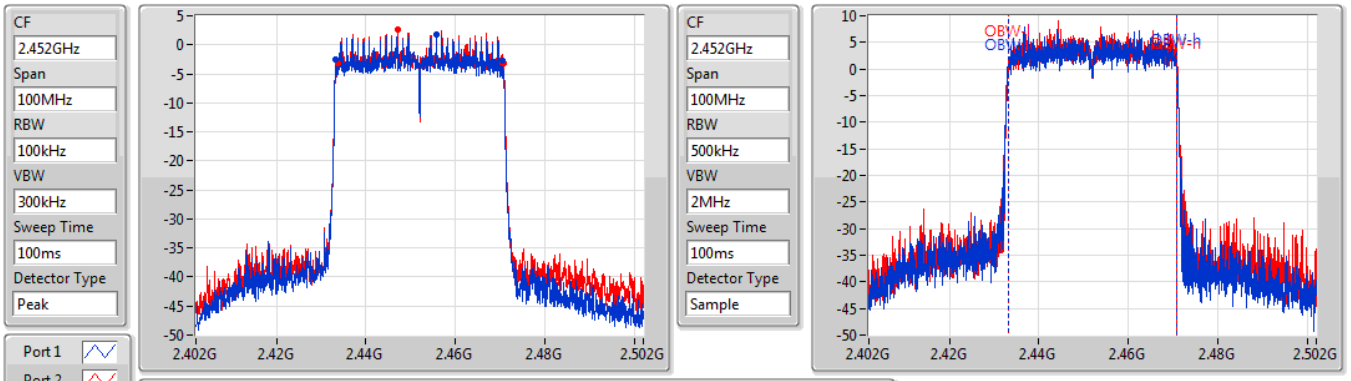


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.4182G	2.4555G	37.481M	2.418209G	2.455691G	500k	1
37.55M	2.41825G	2.4558G	37.581M	2.418209G	2.455791G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

14/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	2.4332G	2.47045G	37.531M	2.433209G	2.470741G	500k	1
37.1M	2.4337G	2.4708G	37.481M	2.433209G	2.470691G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7M	10.395M	10M4G1D	6.525M	10.245M
802.11g_Nss1,(6Mbps)_1TX	16.35M	16.842M	16M8D1D	16.3M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.19M	19M2D1D	18.85M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.2M	37.631M	37M6D1D	37M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

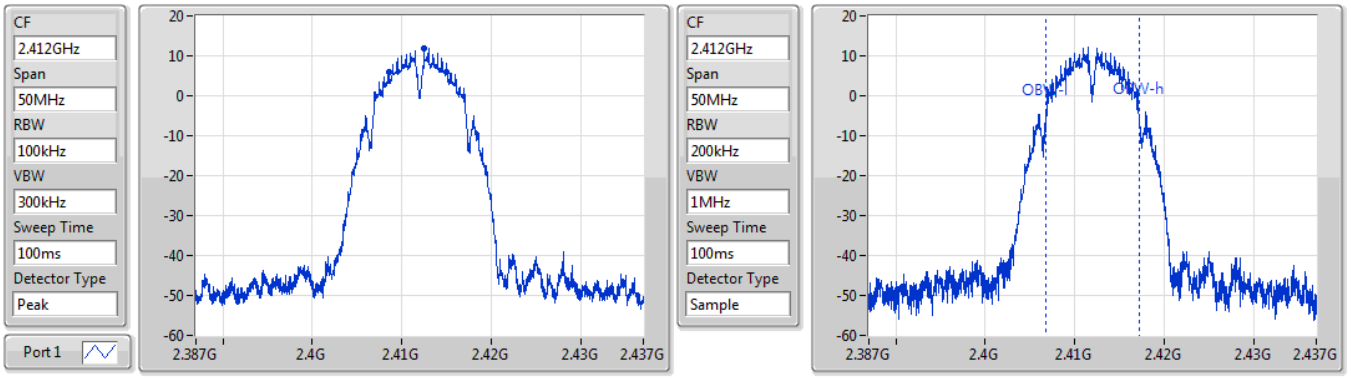
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	6.525M	10.395M
2437MHz	Pass	500k	7M	10.295M
2462MHz	Pass	500k	6.575M	10.245M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.35M	16.567M
2437MHz	Pass	500k	16.3M	16.842M
2462MHz	Pass	500k	16.325M	16.592M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M
2437MHz	Pass	500k	18.85M	19.19M
2462MHz	Pass	500k	18.975M	18.941M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37.2M	37.631M
2437MHz	Pass	500k	37M	37.531M
2452MHz	Pass	500k	37.2M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

12/10/2019

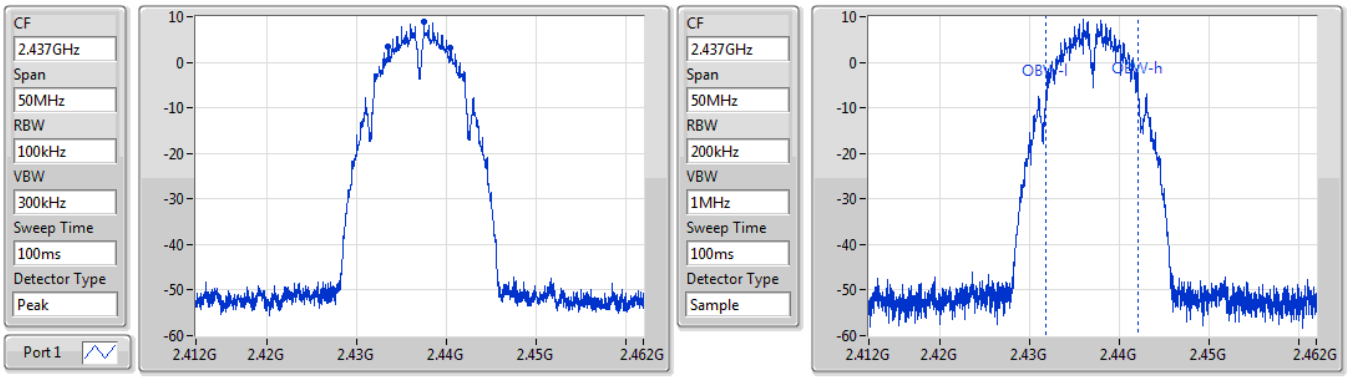


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.525M	2.408525G	2.41505G	10.395M	2.406778G	2.417172G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

12/10/2019

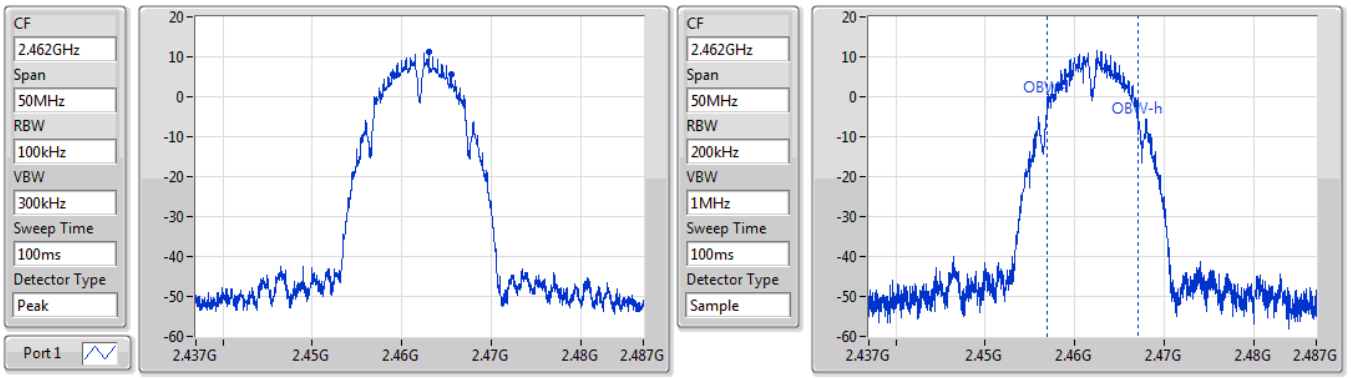


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.433475G	2.440475G	10.295M	2.431828G	2.442122G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

12/10/2019

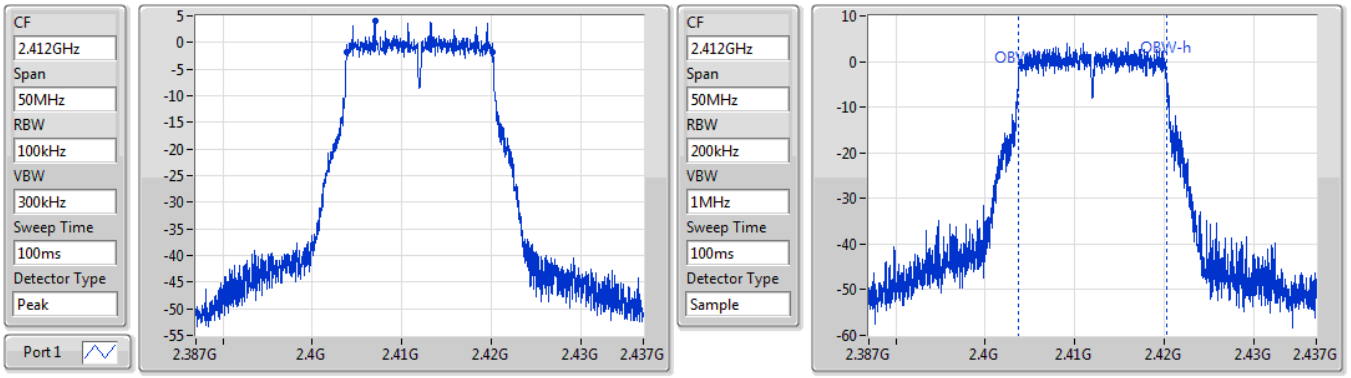


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.575M	2.45895G	2.465525G	10.245M	2.456853G	2.467097G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

12/10/2019

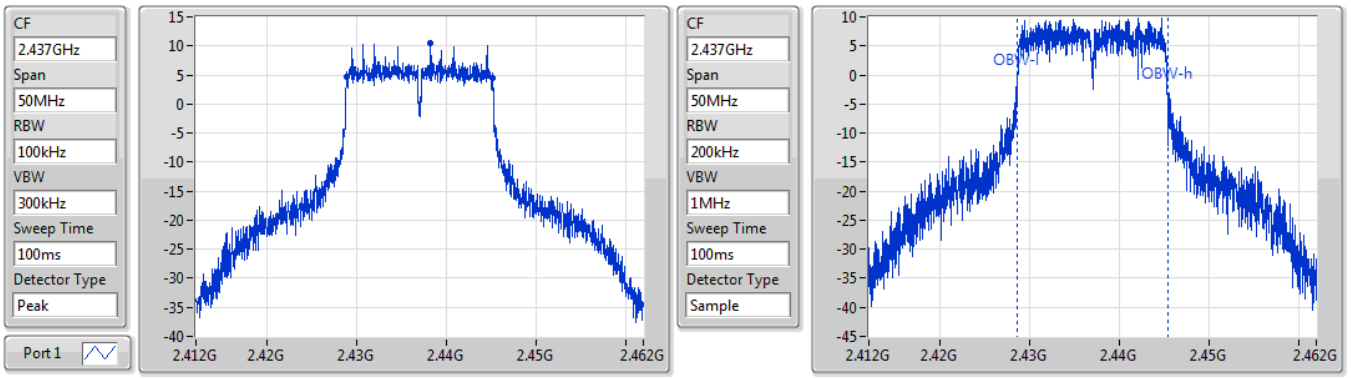


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.403825G	2.420175G	16.567M	2.403729G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

12/10/2019

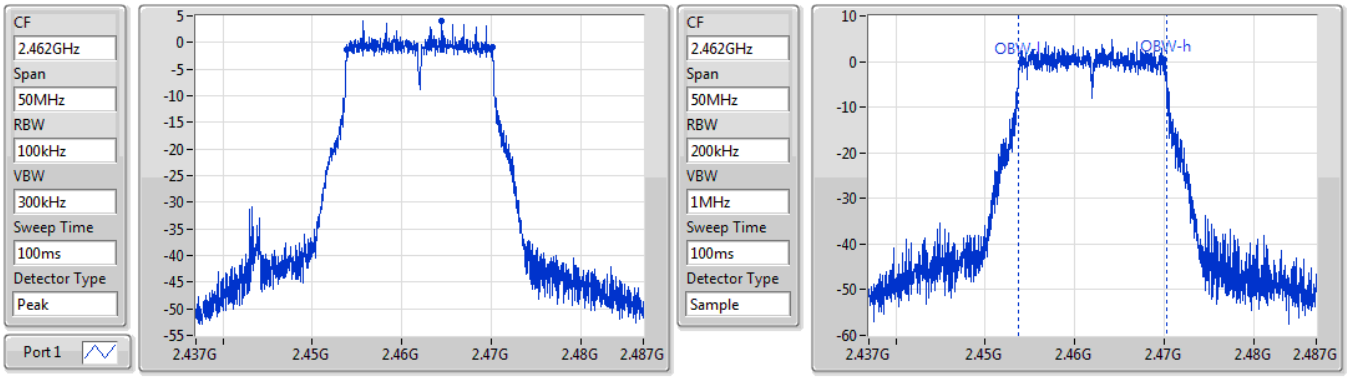


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	16.842M	2.428579G	2.445421G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

12/10/2019

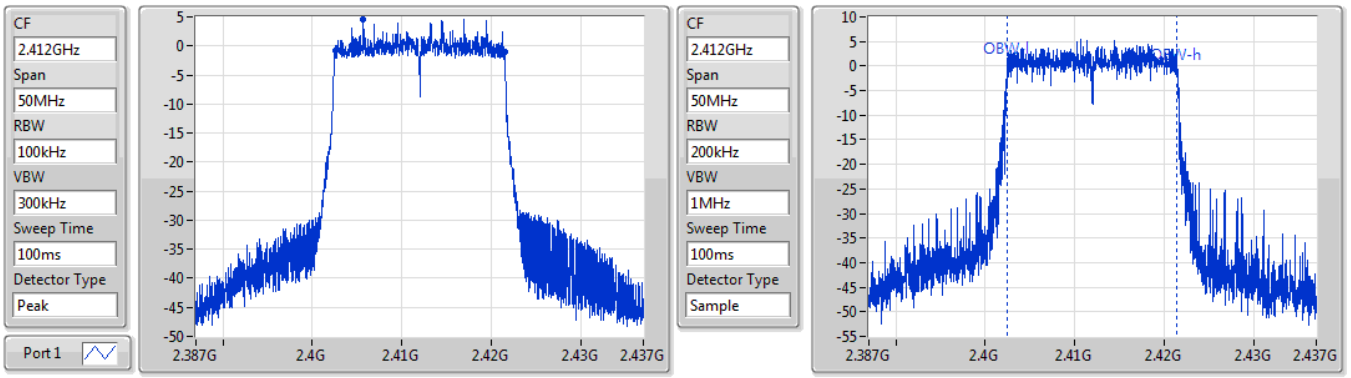


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.592M	2.453679G	2.470271G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

12/10/2019

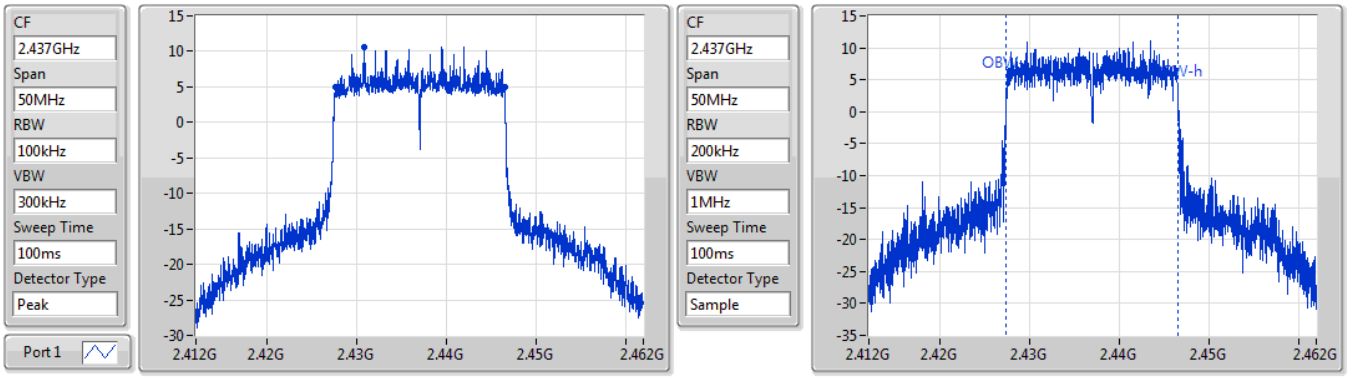


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.40255G	2.421475G	18.991M	2.40248G	2.42147G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

12/10/2019

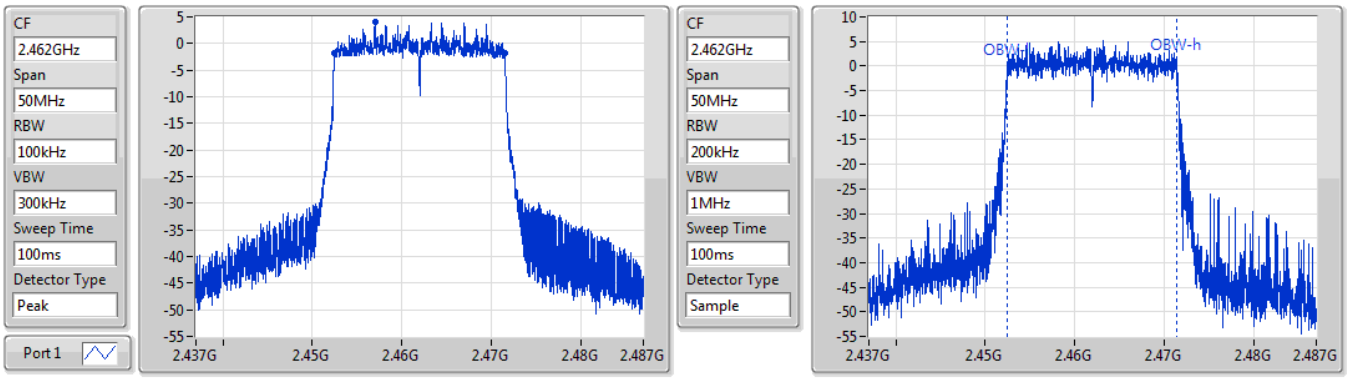


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.85M	2.427625G	2.446475G	19.19M	2.42738G	2.44657G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

12/10/2019

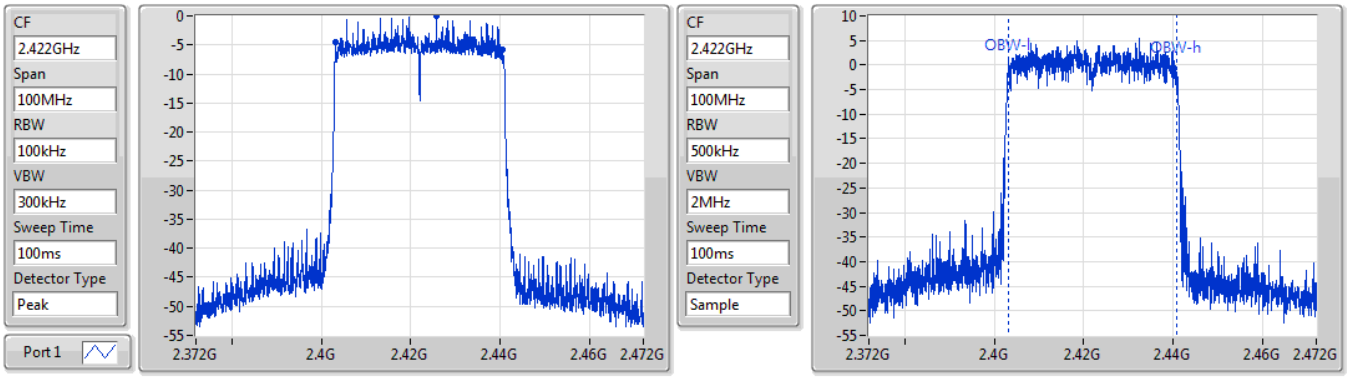


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.941M	2.45248G	2.47142G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

12/10/2019

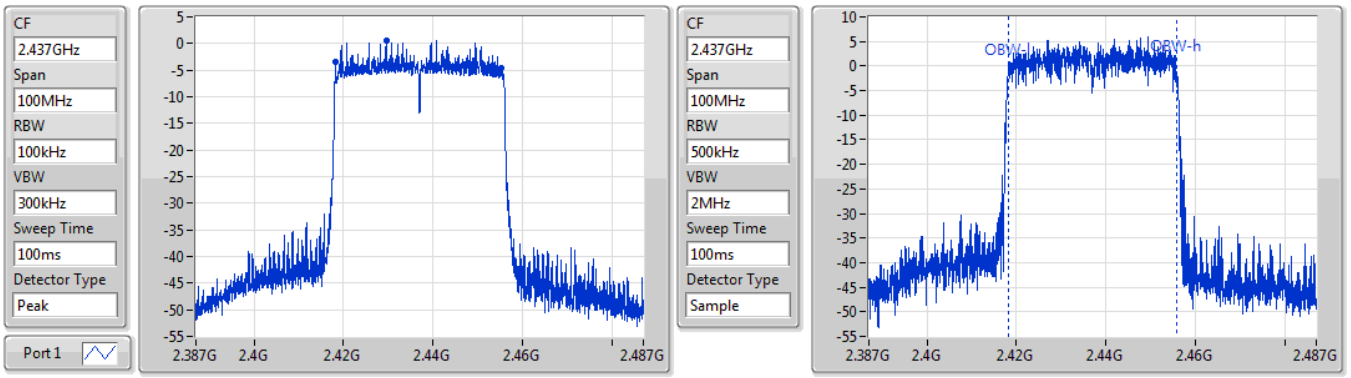


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.2M	2.40325G	2.44045G	37.631M	2.403159G	2.440791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

12/10/2019

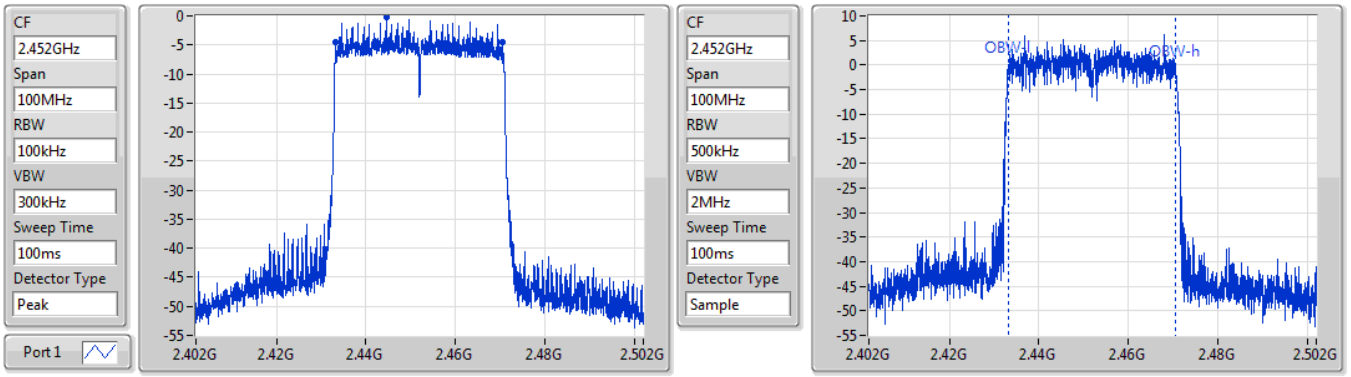


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37M	2.41825G	2.45525G	37.531M	2.418209G	2.455741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

12/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.2M	2.4332G	2.4704G	37.481M	2.433159G	2.470641G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.025M	10.295M	10M3G1D	6.075M	10.245M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.592M	16M6D1D	16.325M	16.517M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.975M	18.991M	19M0D1D	18.8M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.3M	37.581M	37M6D1D	36.75M	37.531M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

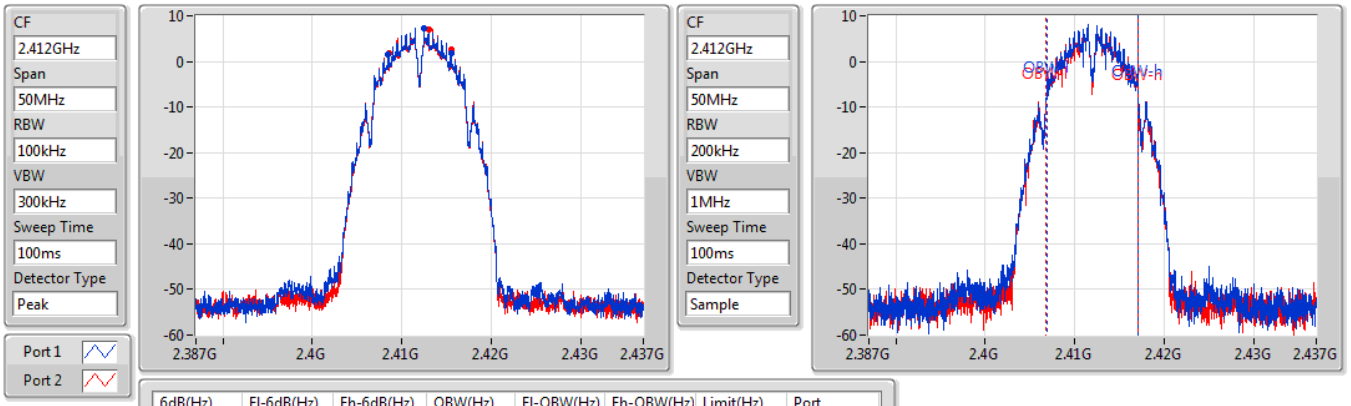
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.27M	6.975M	10.295M
2437MHz	Pass	500k	7.025M	10.27M	6.55M	10.295M
2462MHz	Pass	500k	7M	10.295M	6.075M	10.245M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M	16.35M	16.517M
2437MHz	Pass	500k	16.325M	16.592M	16.35M	16.592M
2462MHz	Pass	500k	16.325M	16.592M	16.325M	16.542M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.925M	18.991M	18.8M	18.991M
2437MHz	Pass	500k	18.975M	18.966M	18.8M	18.991M
2462MHz	Pass	500k	18.925M	18.941M	18.825M	18.966M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.25M	37.531M	36.75M	37.581M
2437MHz	Pass	500k	37.1M	37.531M	36.95M	37.581M
2452MHz	Pass	500k	37.3M	37.581M	37M	37.531M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

12/10/2019

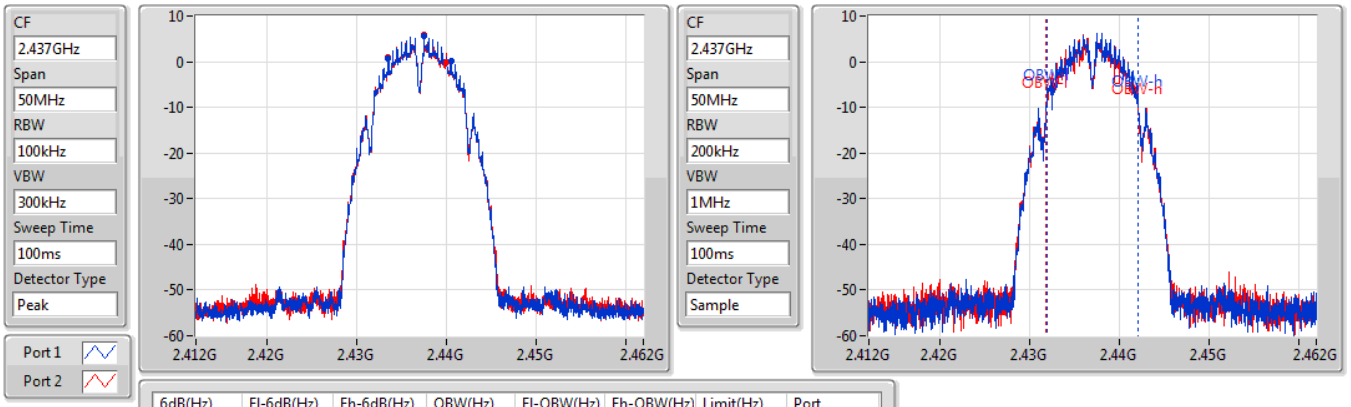


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.4085G	2.415525G	10.27M	2.406853G	2.417122G	500k	1
6.975M	2.408525G	2.4155G	10.295M	2.406828G	2.417122G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

12/10/2019

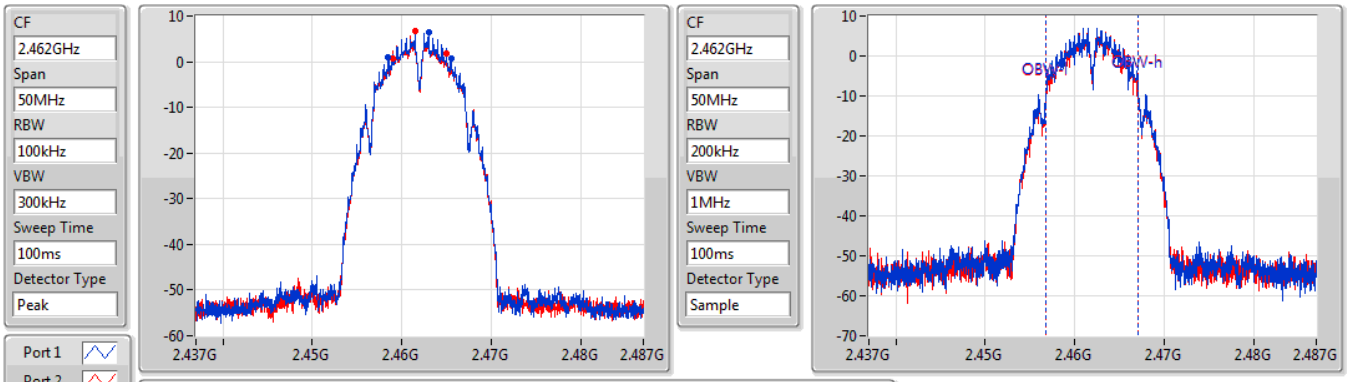


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.433475G	2.4405G	10.27M	2.431853G	2.442122G	500k	1
6.55M	2.4335G	2.44005G	10.295M	2.431828G	2.442122G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

12/10/2019

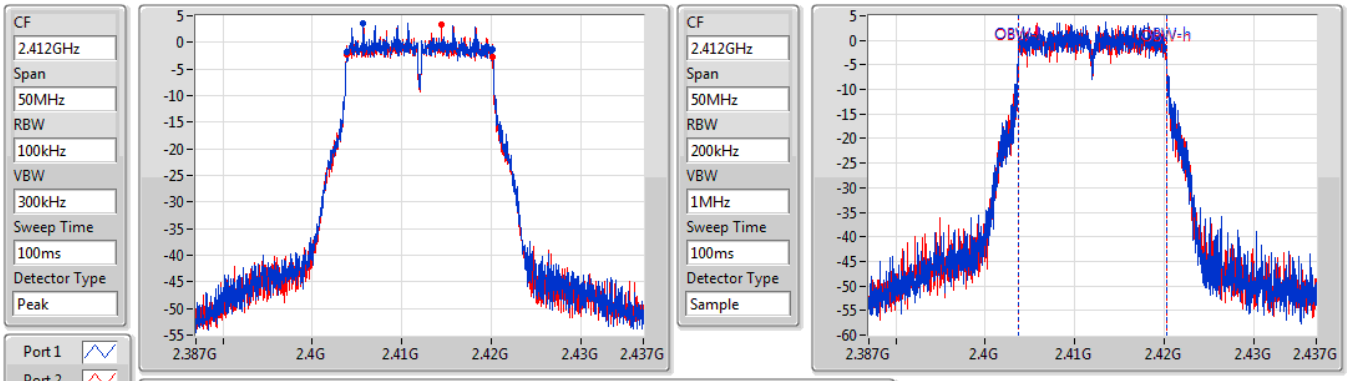


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4585G	2.4655G	10.295M	2.456803G	2.467097G	500k	1
6.075M	2.45895G	2.465025G	10.245M	2.456828G	2.467072G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

12/10/2019

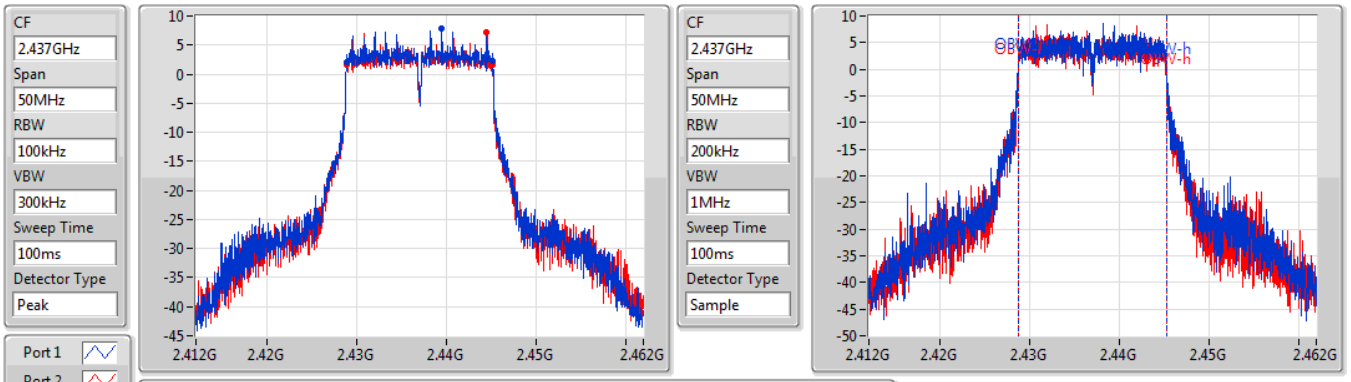


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.567M	2.403704G	2.420271G	500k	1
16.35M	2.403825G	2.420175G	16.517M	2.403754G	2.420271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

12/10/2019

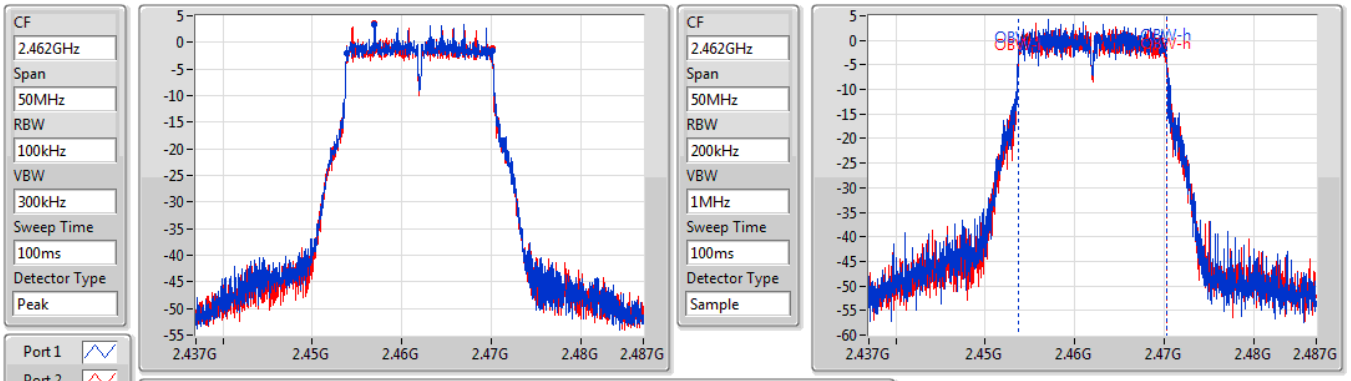


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.592M	2.428679G	2.445271G	500k	1
16.35M	2.428825G	2.445175G	16.592M	2.428679G	2.445271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

12/10/2019

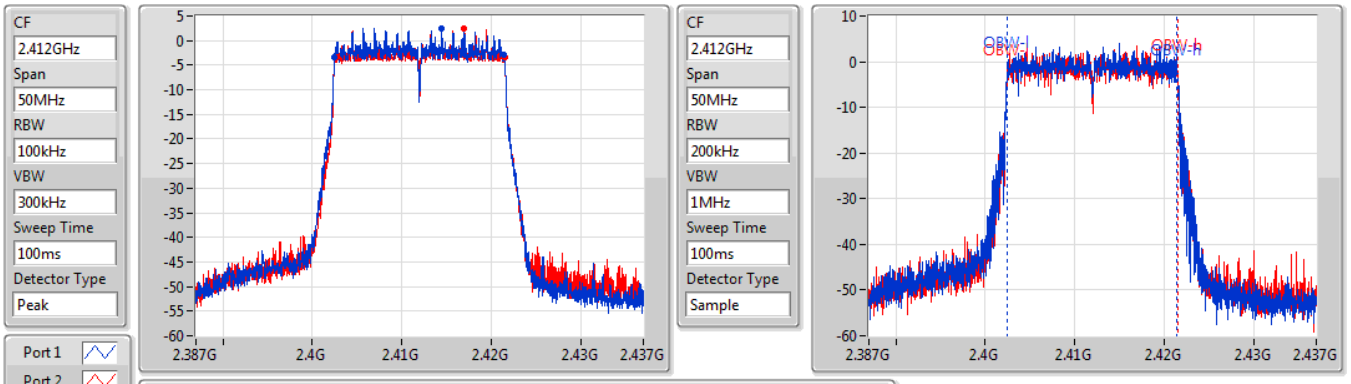


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.592M	2.453679G	2.470271G	500k	1
16.325M	2.453825G	2.47015G	16.542M	2.453704G	2.470246G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

12/10/2019

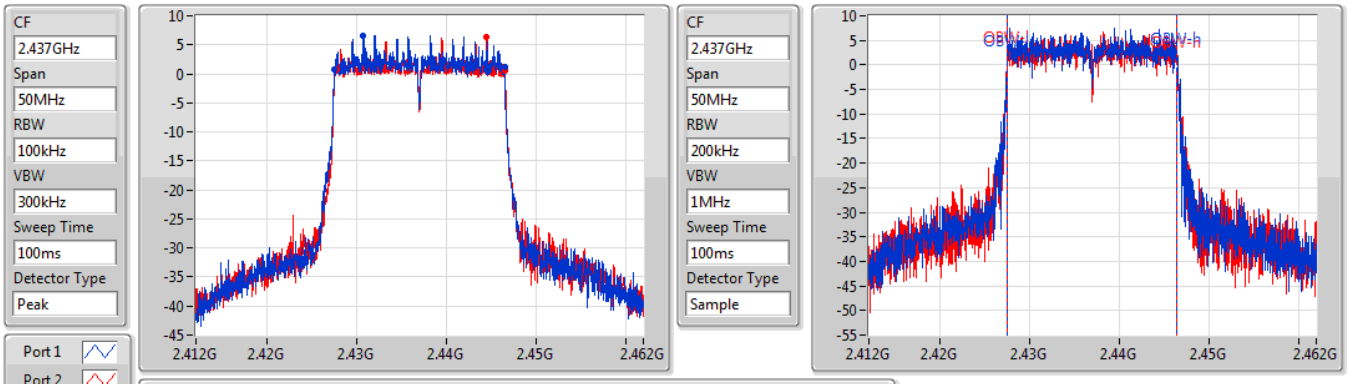


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.402525G	2.42145G	18.991M	2.40248G	2.42147G	500k	1
18.8M	2.402675G	2.421475G	18.991M	2.402505G	2.421495G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

12/10/2019

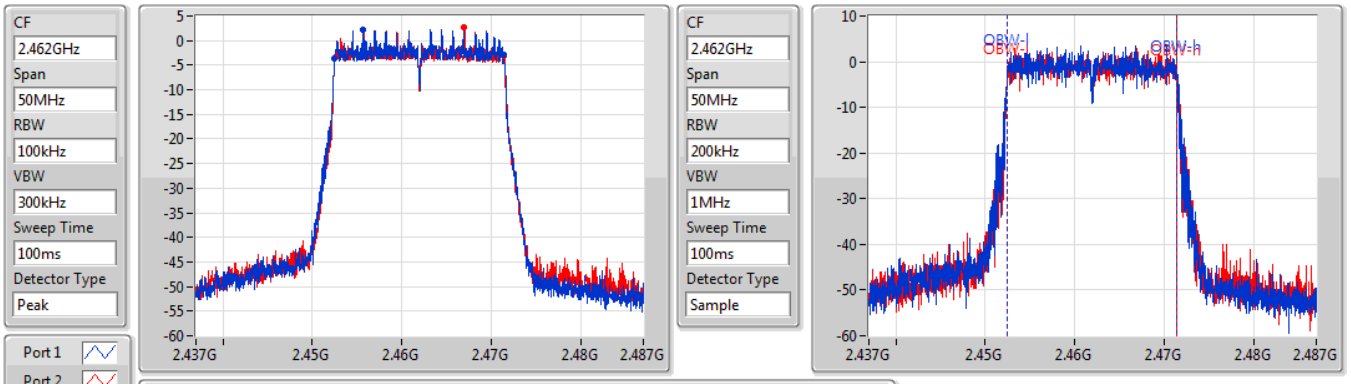


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	18.966M	2.427505G	2.44647G	500k	1
18.8M	2.427675G	2.446475G	18.991M	2.42748G	2.44647G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

12/10/2019

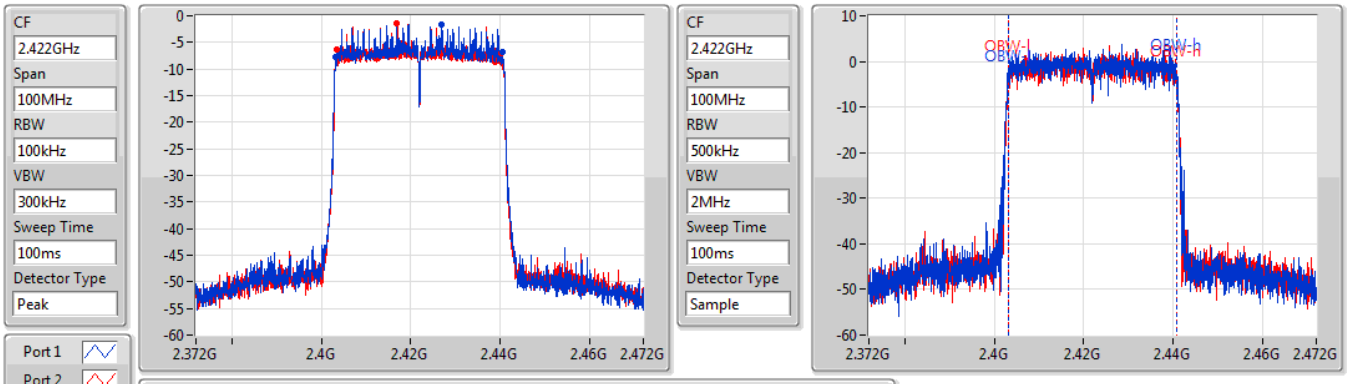


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.4525G	2.471425G	18.941M	2.452505G	2.471445G	500k	1
18.825M	2.452625G	2.47145G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

12/10/2019

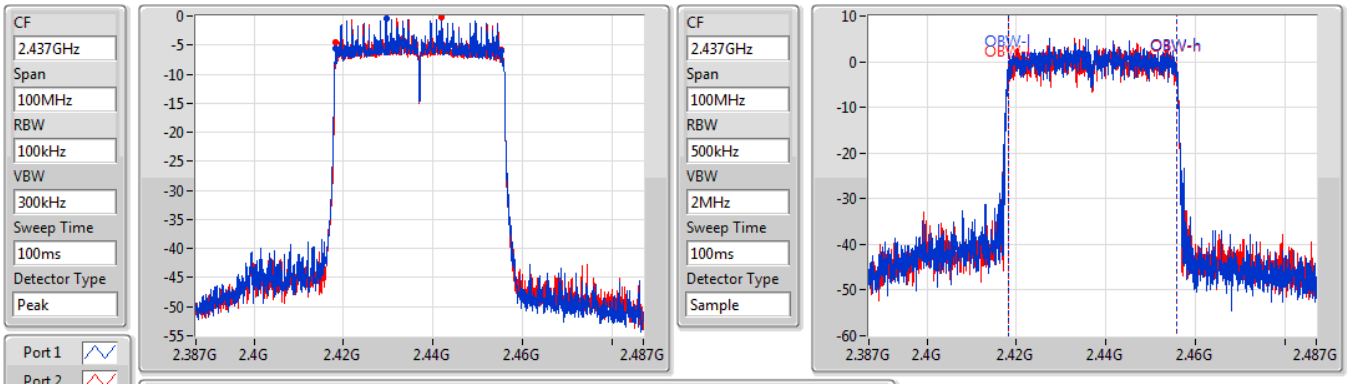


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.25M	2.40325G	2.4405G	37.531M	2.403209G	2.440741G	500k	1
36.75M	2.4034G	2.44015G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

12/10/2019

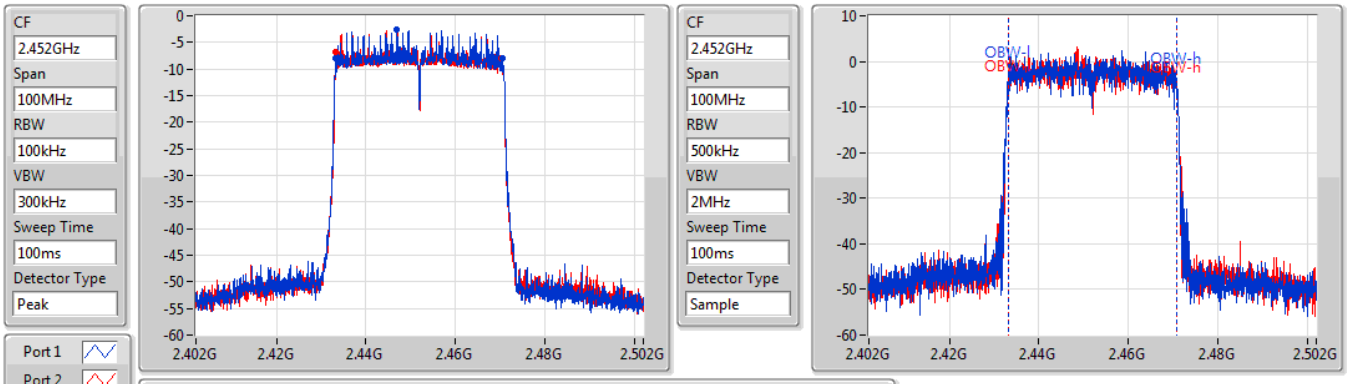


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.1M	2.41815G	2.45525G	37.531M	2.418159G	2.455691G	500k	1
36.95M	2.4182G	2.45515G	37.581M	2.418209G	2.455791G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

12/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.43315G	2.47045G	37.581M	2.433159G	2.470741G	500k	1
37M	2.4332G	2.4702G	37.531M	2.433209G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.975M	18.991M	19M0D1D	18.725M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.581M	37M6D1D	37.1M	37.531M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

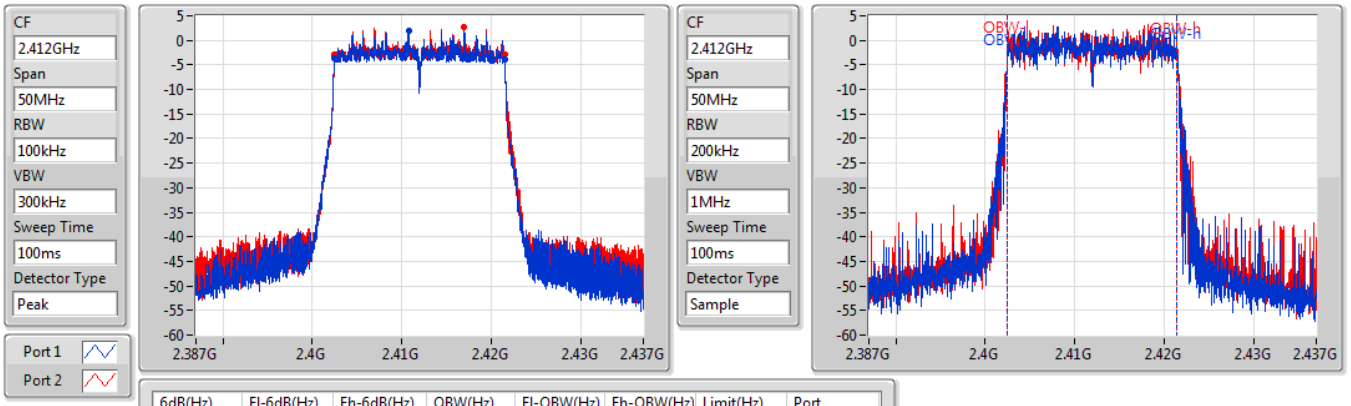
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	18.966M	18.95M	18.941M
2437MHz	Pass	500k	18.975M	18.966M	18.975M	18.991M
2462MHz	Pass	500k	18.975M	18.966M	18.725M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.1M	37.581M	37.15M	37.581M
2437MHz	Pass	500k	37.4M	37.581M	37.2M	37.581M
2452MHz	Pass	500k	37.6M	37.581M	37.15M	37.531M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

14/10/2019

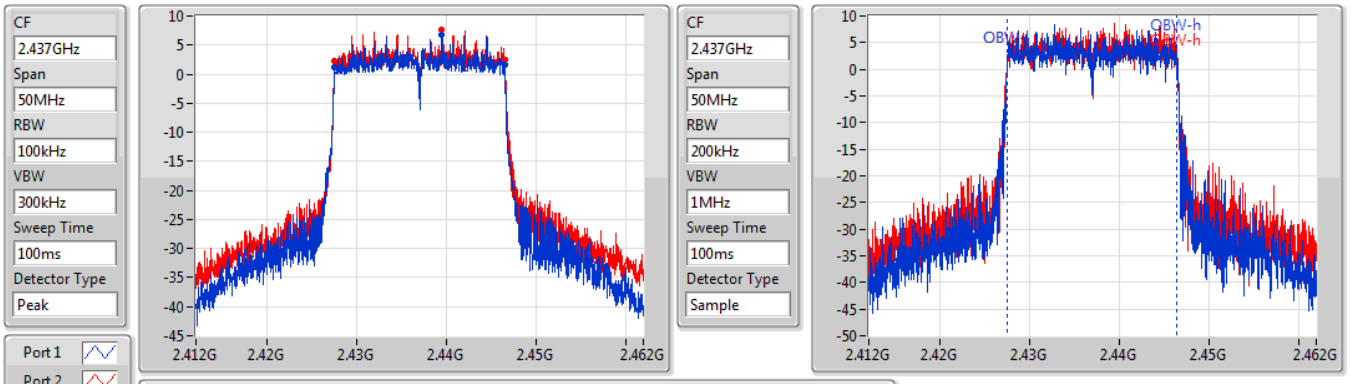


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	18.966M	2.402505G	2.42147G	500k	1
18.95M	2.402525G	2.421475G	18.941M	2.402505G	2.421445G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

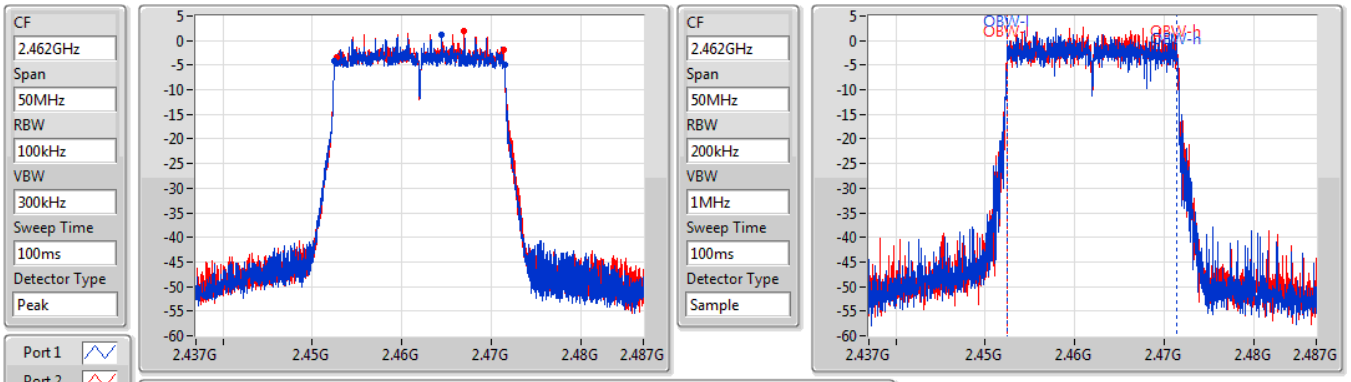


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	18.966M	2.42748G	2.446445G	500k	1
18.975M	2.427525G	2.4465G	18.991M	2.42748G	2.44647G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

14/10/2019

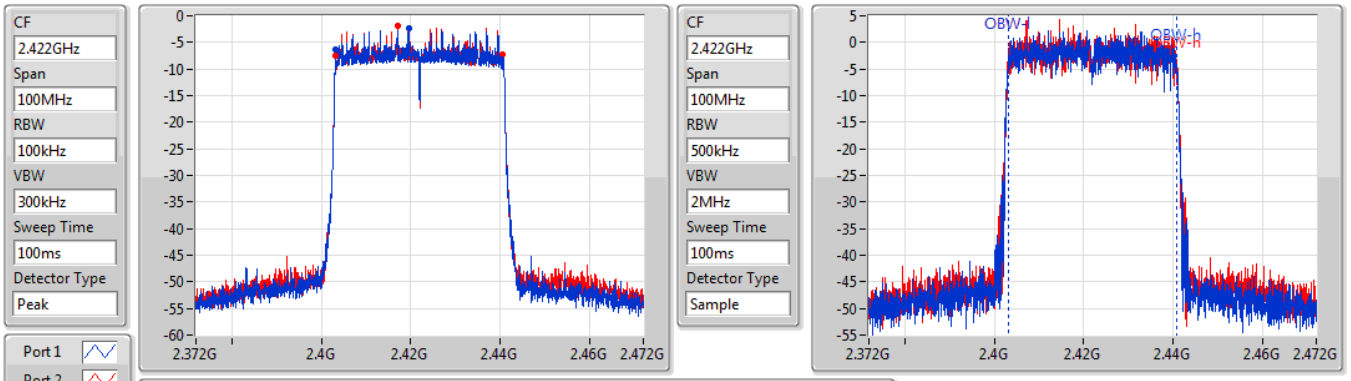


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.966M	2.452505G	2.47147G	500k	1
18.725M	2.4527G	2.471425G	18.991M	2.45248G	2.47147G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

14/10/2019

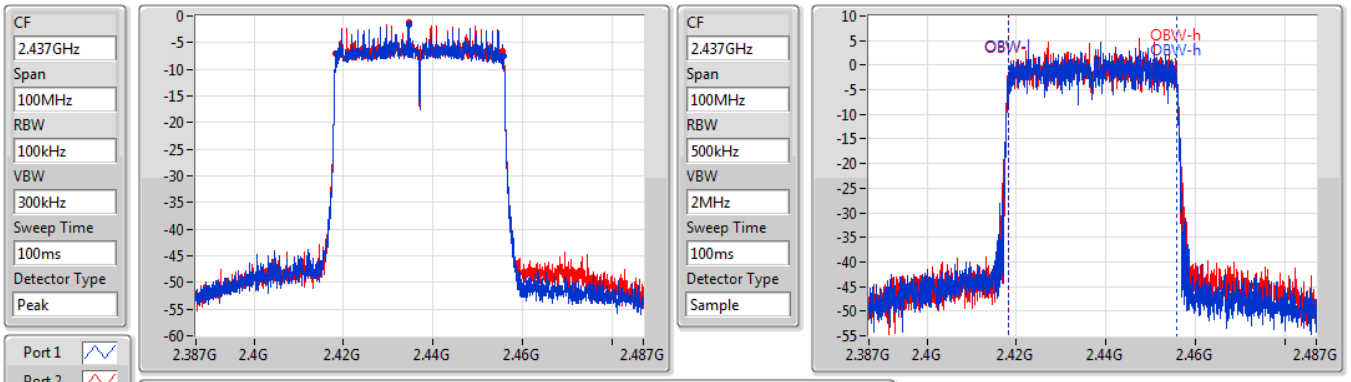


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.1M	2.40325G	2.44035G	37.581M	2.403159G	2.440741G	500k	1
37.15M	2.40325G	2.4404G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

14/10/2019

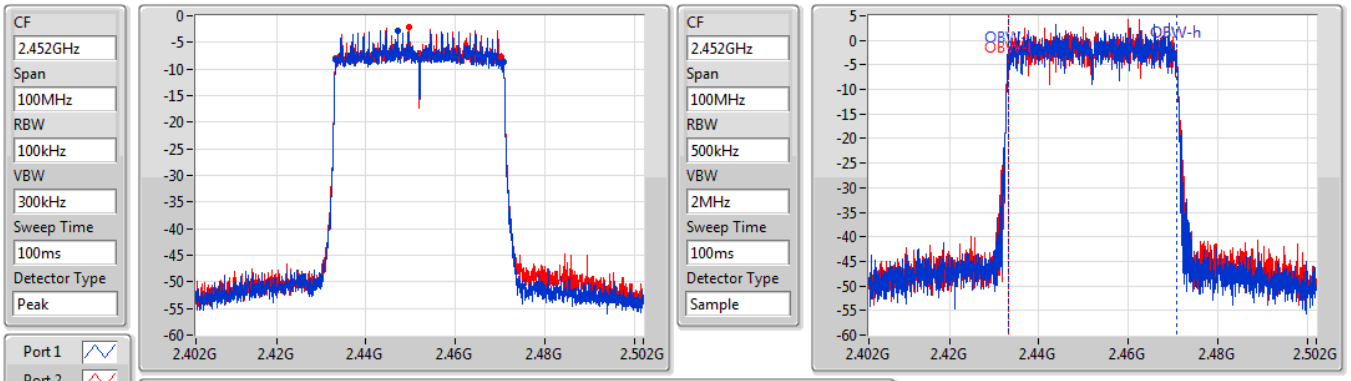


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.4M	2.41835G	2.45575G	37.581M	2.418209G	2.455791G	500k	1
37.2M	2.4183G	2.4555G	37.581M	2.418159G	2.455741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

14/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.43315G	2.47075G	37.581M	2.433159G	2.470741G	500k	1
37.15M	2.4332G	2.47035G	37.531M	2.433209G	2.470741G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	7.05M	11.869M	11M9G1D	6.525M	10.32M
802.11g_Nss1,(6Mbps)_1TX	16.325M	16.742M	16M7D1D	16.3M	16.567M
802.11ax HEW20_Nss1,(MCS0)_1TX	18.975M	19.015M	19M0D1D	18.95M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	37.05M	37.581M	37M6D1D	36.8M	37.531M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

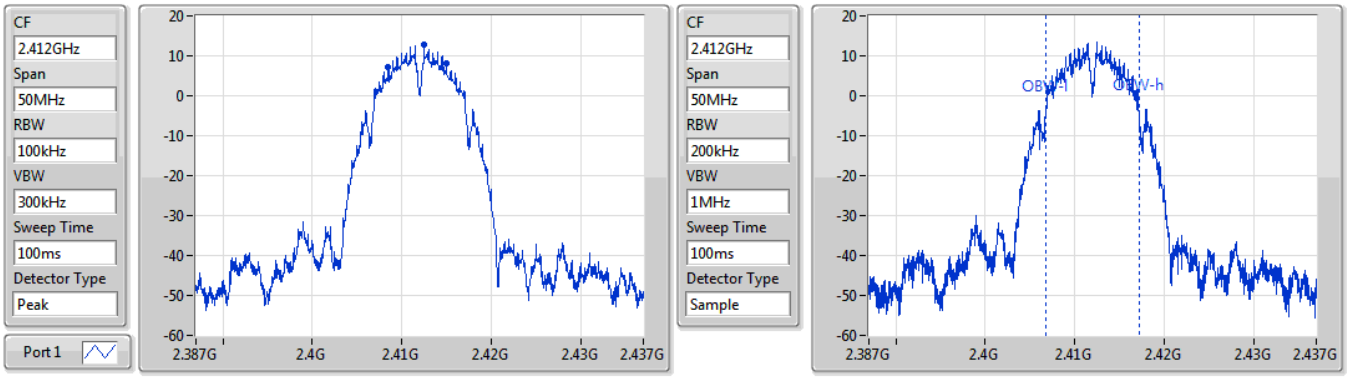
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	6.575M	10.395M
2437MHz	Pass	500k	6.525M	11.869M
2462MHz	Pass	500k	7.05M	10.32M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M
2437MHz	Pass	500k	16.325M	16.742M
2462MHz	Pass	500k	16.3M	16.592M
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-
2412MHz	Pass	500k	18.975M	18.966M
2437MHz	Pass	500k	18.95M	19.015M
2462MHz	Pass	500k	18.95M	18.966M
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-
2422MHz	Pass	500k	37M	37.581M
2437MHz	Pass	500k	36.8M	37.531M
2452MHz	Pass	500k	37.05M	37.581M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_1TX EBW

2412MHz

10/10/2019

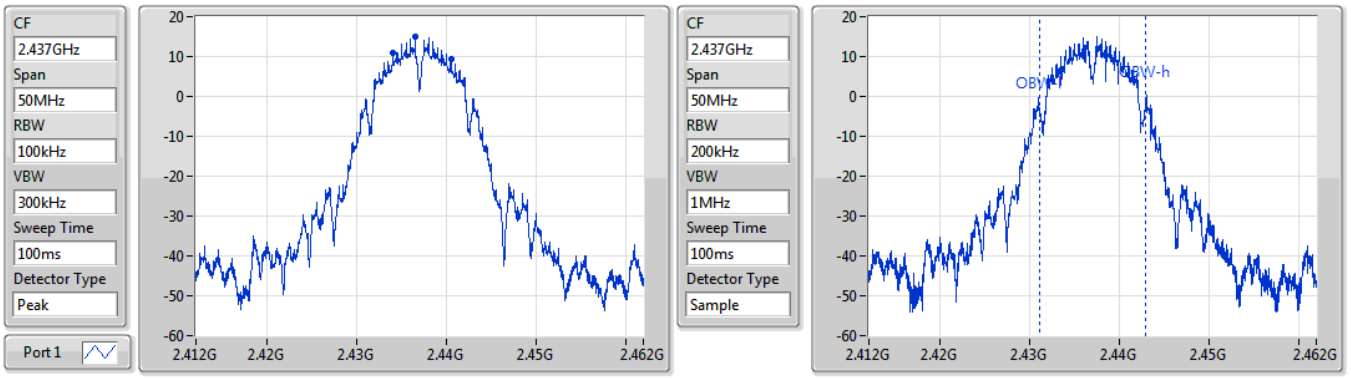


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.575M	2.40845G	2.415025G	10.395M	2.406778G	2.417172G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

10/10/2019

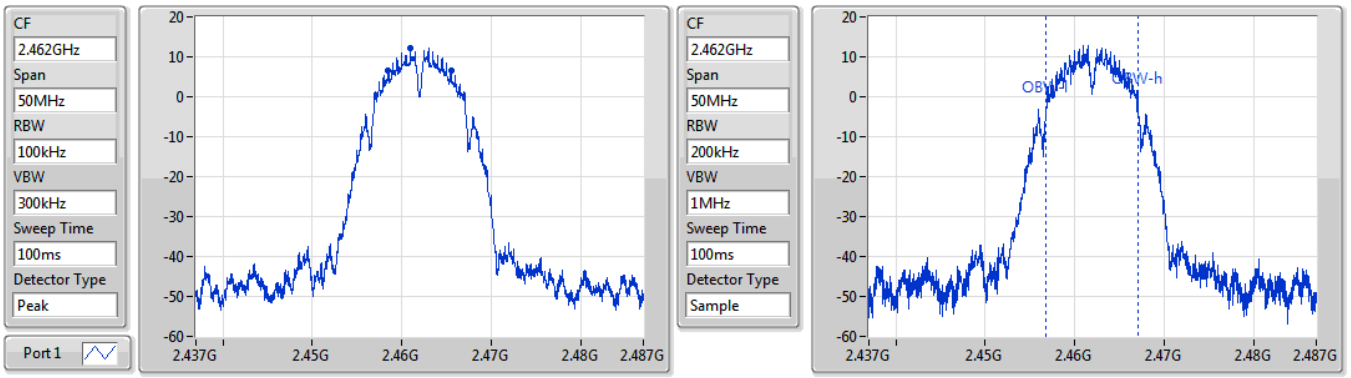


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.525M	2.433975G	2.4405G	11.869M	2.431078G	2.442947G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

10/10/2019

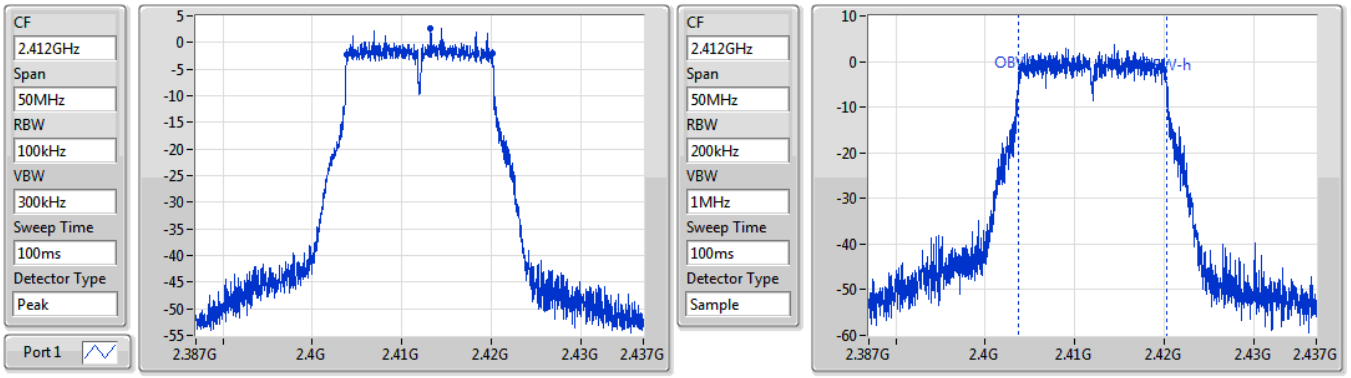


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.45845G	2.4655G	10.32M	2.456778G	2.467097G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

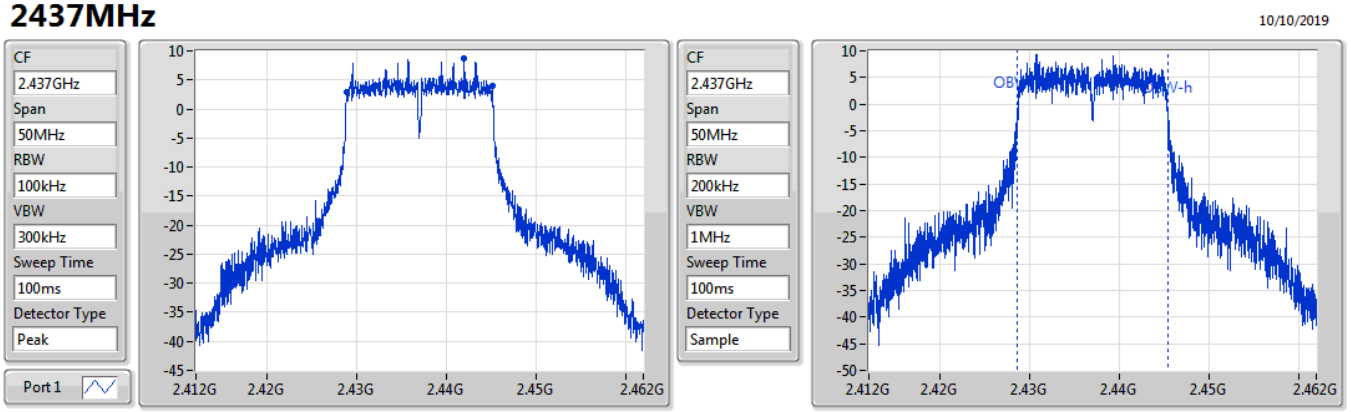
10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.567M	2.403704G	2.420271G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

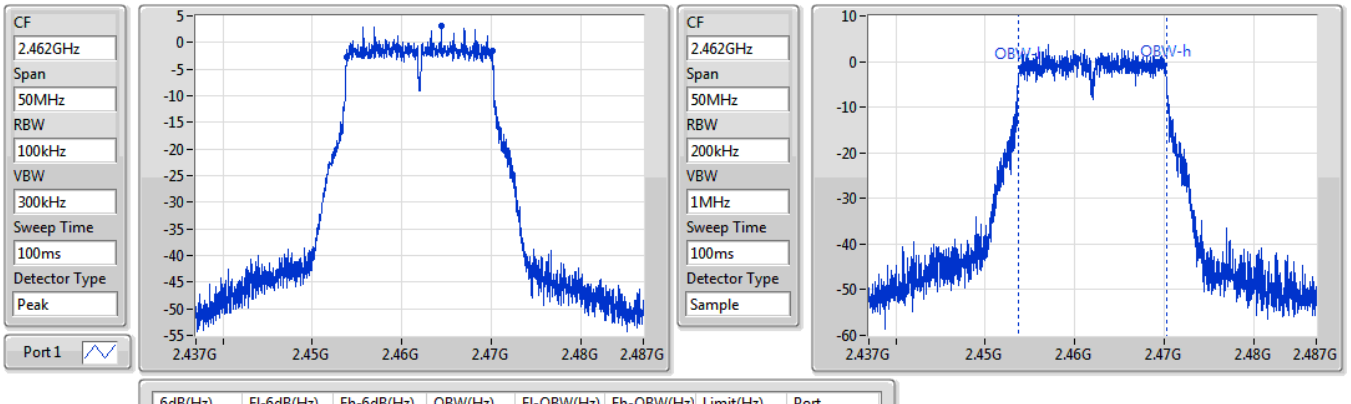
2437MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.742M	2.428629G	2.445371G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

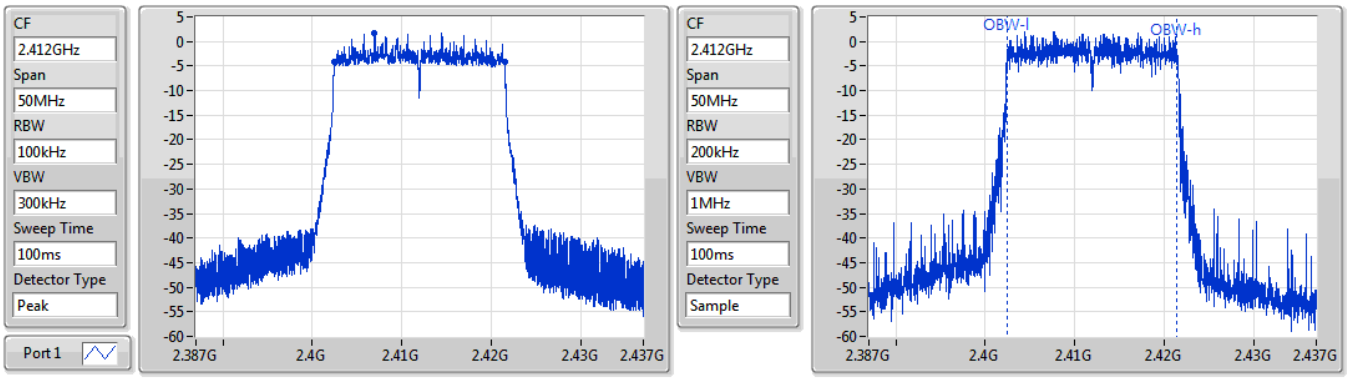


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.453825G	2.470125G	16.592M	2.453679G	2.470271G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

10/10/2019

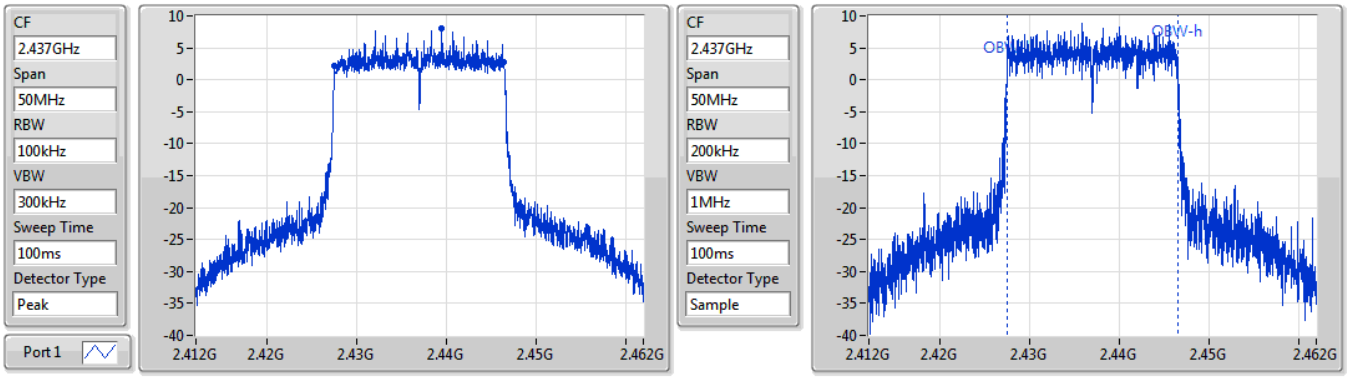


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	18.966M	2.402505G	2.42147G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

10/10/2019

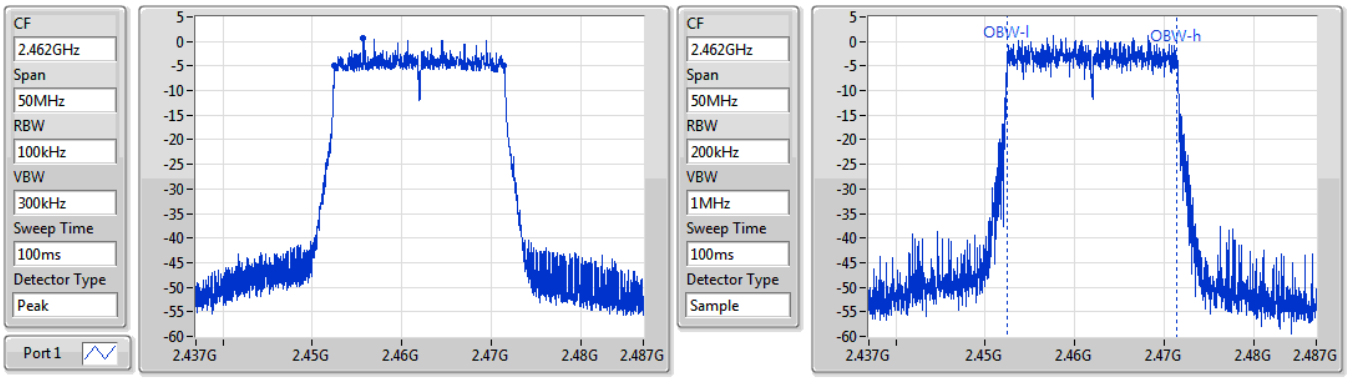


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4275G	2.44645G	19.015M	2.42748G	2.446495G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

10/10/2019

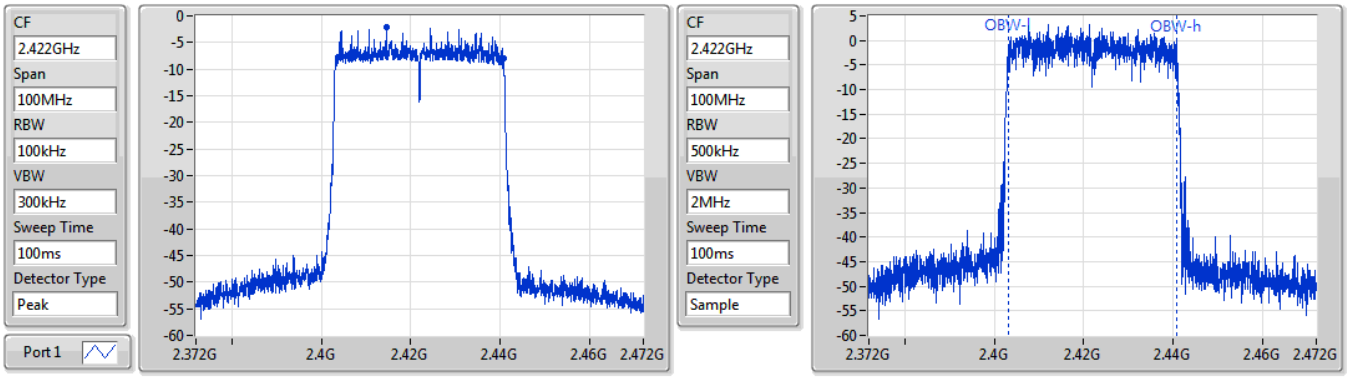


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	18.966M	2.45248G	2.471445G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

10/10/2019

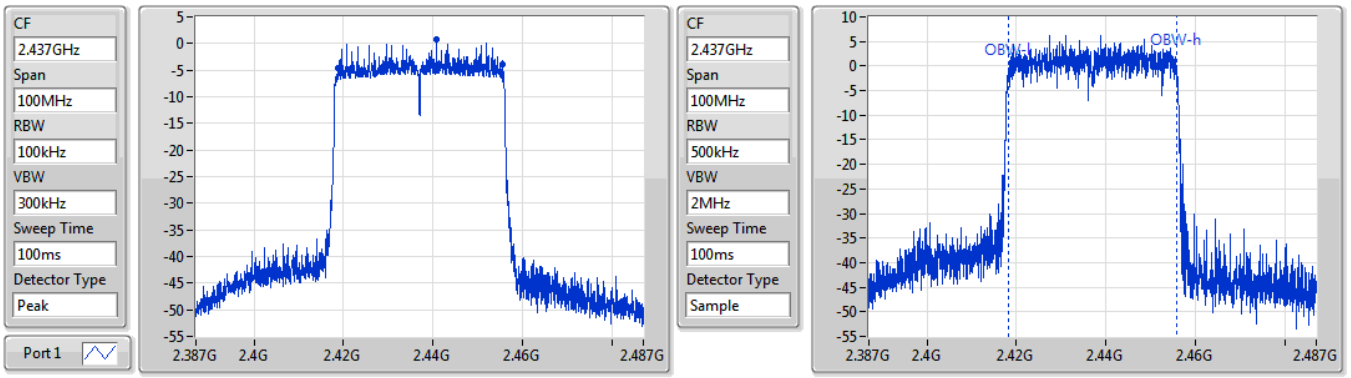


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37M	2.4037G	2.4407G	37.581M	2.403159G	2.440741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

10/10/2019

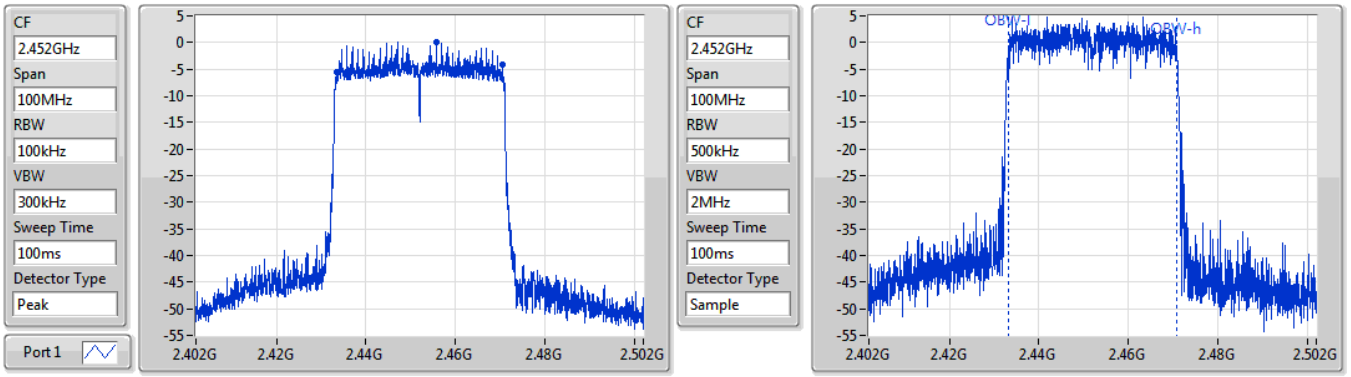


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.8M	2.41865G	2.45545G	37.531M	2.418209G	2.455741G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2452MHz

10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.05M	2.43335G	2.4704G	37.581M	2.433159G	2.470741G	500k	1

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.05M	10.32M	10M3G1D	6.5M	10.17M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.592M	16M6D1D	16.325M	16.542M
802.11ax HEW20_Nss2,(MCS0)_2TX	18.9M	18.991M	19M0D1D	18.8M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	37.6M	37.581M	37M6D1D	36.9M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

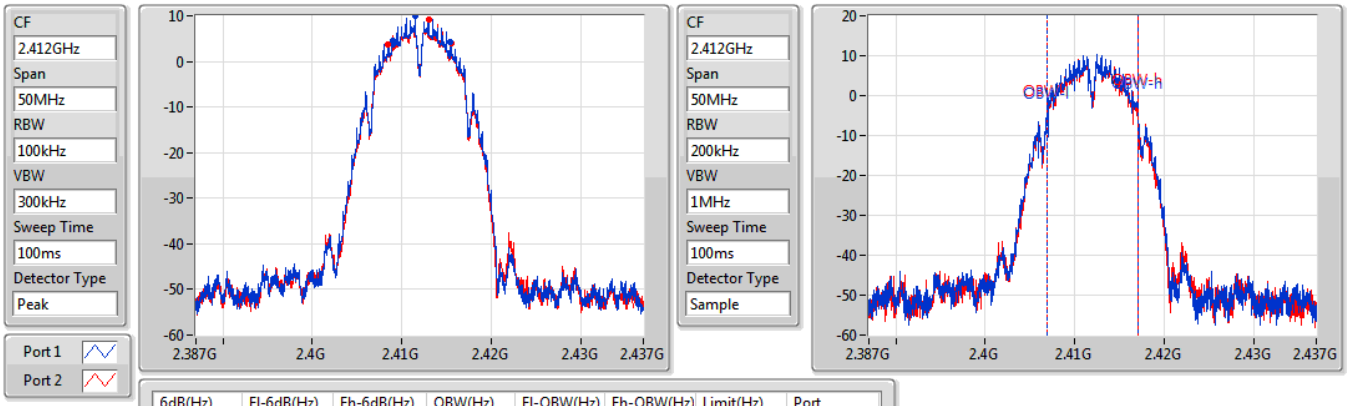
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	6.525M	10.22M	7.05M	10.195M
2437MHz	Pass	500k	7M	10.32M	6.5M	10.22M
2462MHz	Pass	500k	7M	10.245M	6.975M	10.17M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.567M	16.35M	16.542M
2437MHz	Pass	500k	16.325M	16.542M	16.325M	16.542M
2462MHz	Pass	500k	16.325M	16.567M	16.35M	16.592M
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.825M	18.966M	18.9M	18.966M
2437MHz	Pass	500k	18.875M	18.991M	18.8M	18.966M
2462MHz	Pass	500k	18.9M	18.941M	18.825M	18.941M
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.481M	37.05M	37.531M
2437MHz	Pass	500k	37.55M	37.581M	36.9M	37.581M
2452MHz	Pass	500k	37.35M	37.481M	37M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11b_Nss1,(1Mbps)_2TX EBW

2412MHz

10/10/2019

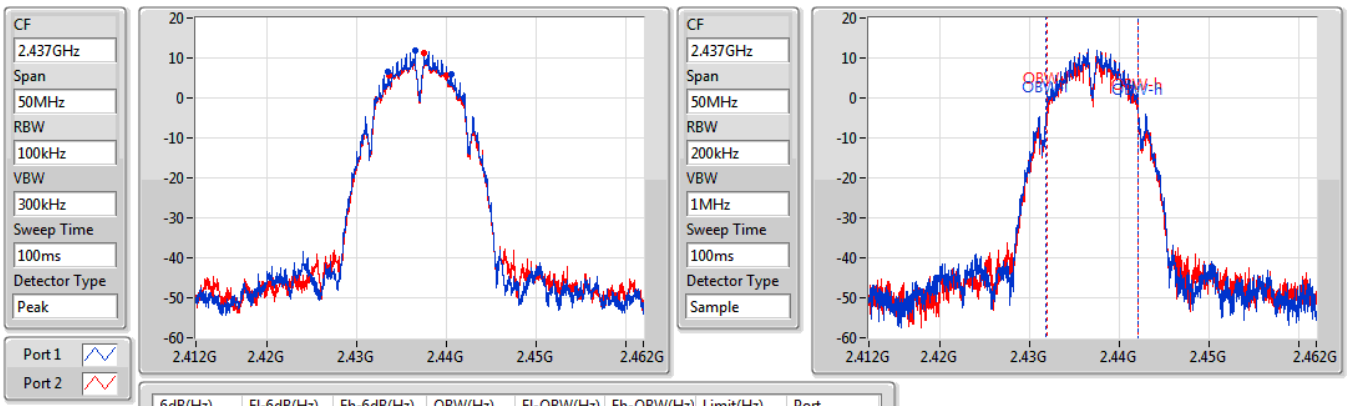


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
6.525M	2.40895G	2.415475G	10.22M	2.406853G	2.417072G	500k	1
7.05M	2.40845G	2.4155G	10.195M	2.406853G	2.417047G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

10/10/2019

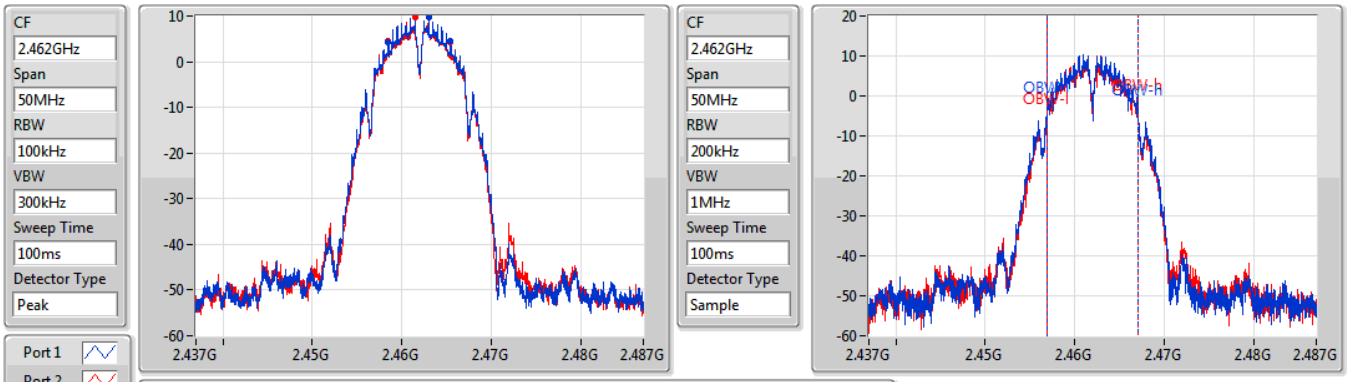


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4335G	2.4405G	10.32M	2.431828G	2.442147G	500k	1
6.5M	2.433525G	2.440025G	10.22M	2.431878G	2.442097G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

10/10/2019

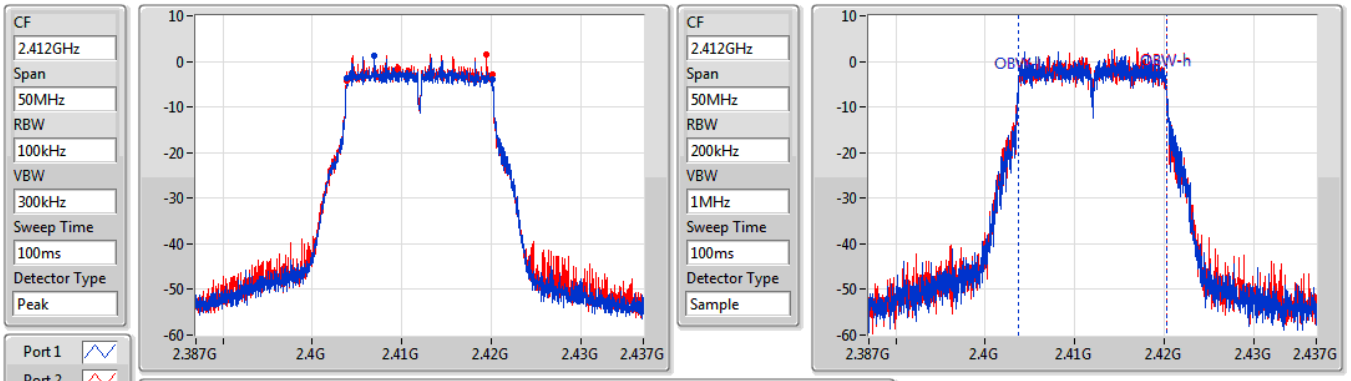


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.458475G	2.465475G	10.245M	2.456853G	2.467097G	500k	1
6.975M	2.4585G	2.465475G	10.17M	2.456878G	2.467047G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

10/10/2019

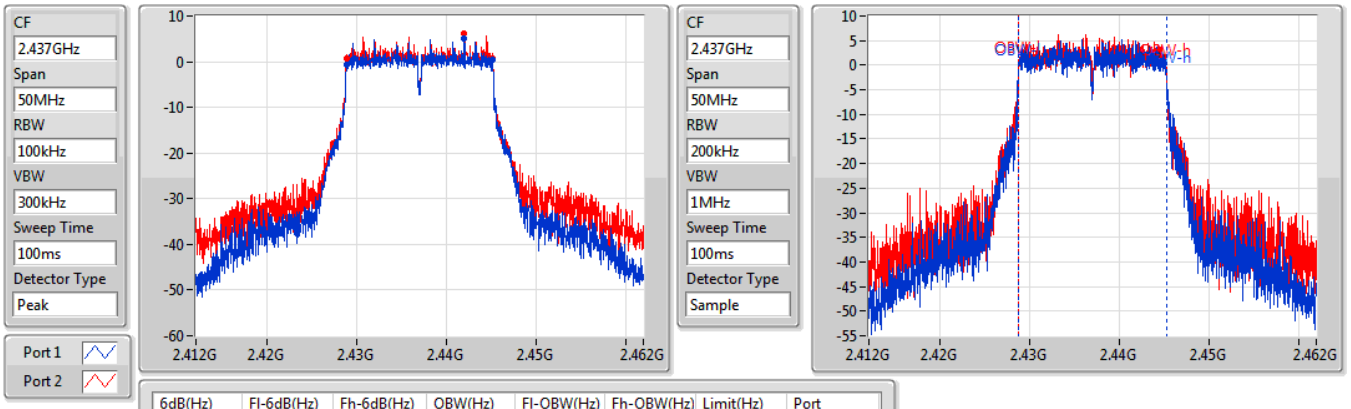


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.567M	2.403679G	2.420246G	500k	1
16.35M	2.4038G	2.42015G	16.542M	2.403679G	2.420221G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

10/10/2019

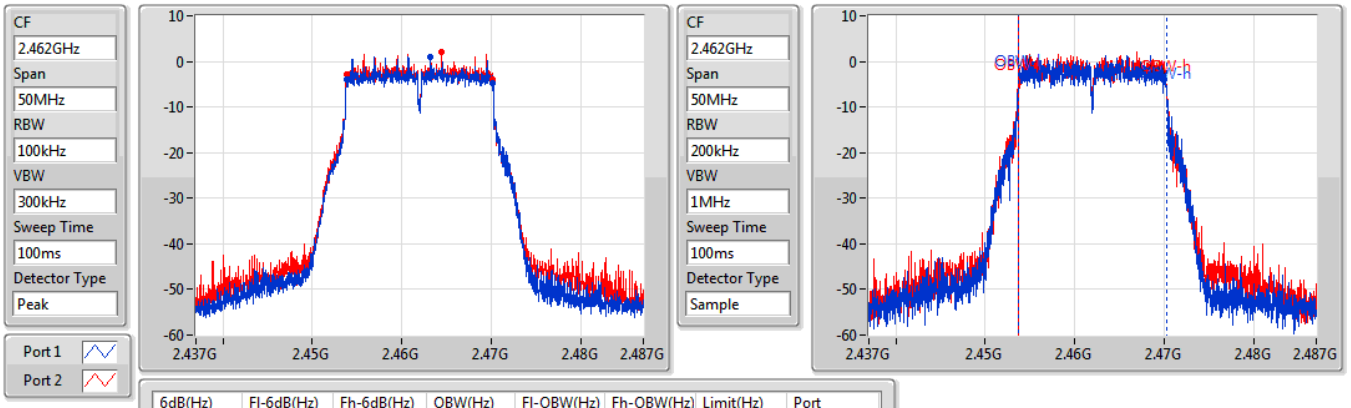


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.542M	2.428729G	2.445271G	500k	1
16.325M	2.428825G	2.44515G	16.542M	2.428704G	2.445246G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

10/10/2019

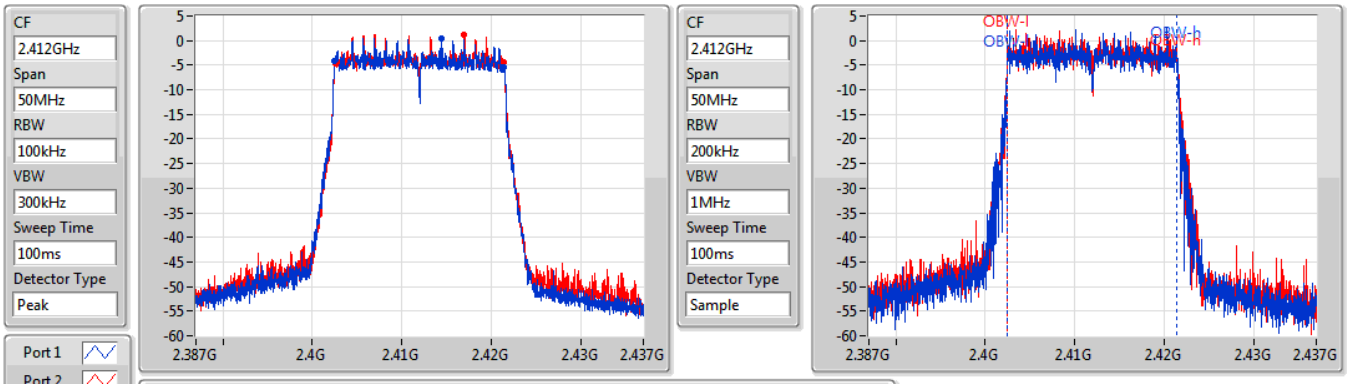


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.567M	2.453704G	2.470271G	500k	1
16.35M	2.453825G	2.470175G	16.592M	2.453679G	2.470271G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

10/10/2019

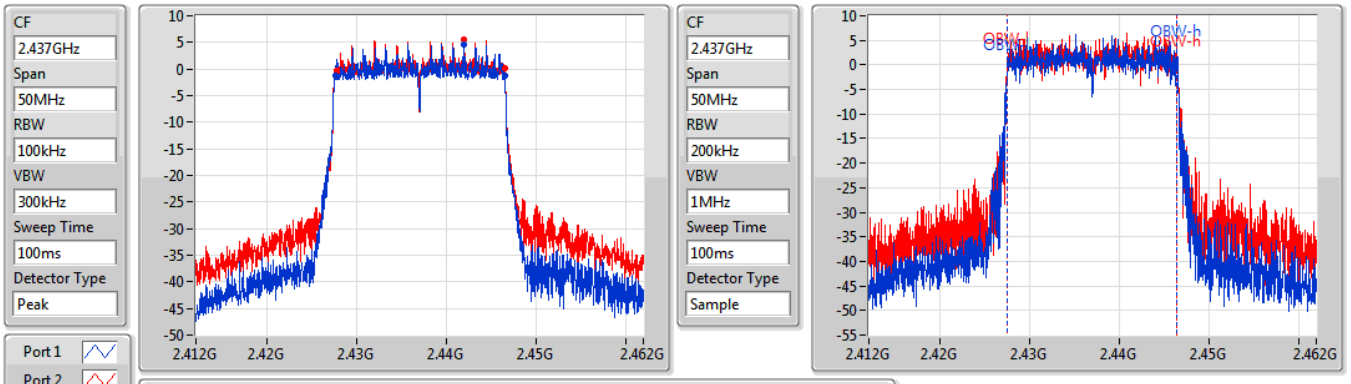


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.825M	2.402525G	2.42135G	18.966M	2.402505G	2.42147G	500k	1
18.9M	2.40255G	2.42145G	18.966M	2.402505G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

10/10/2019

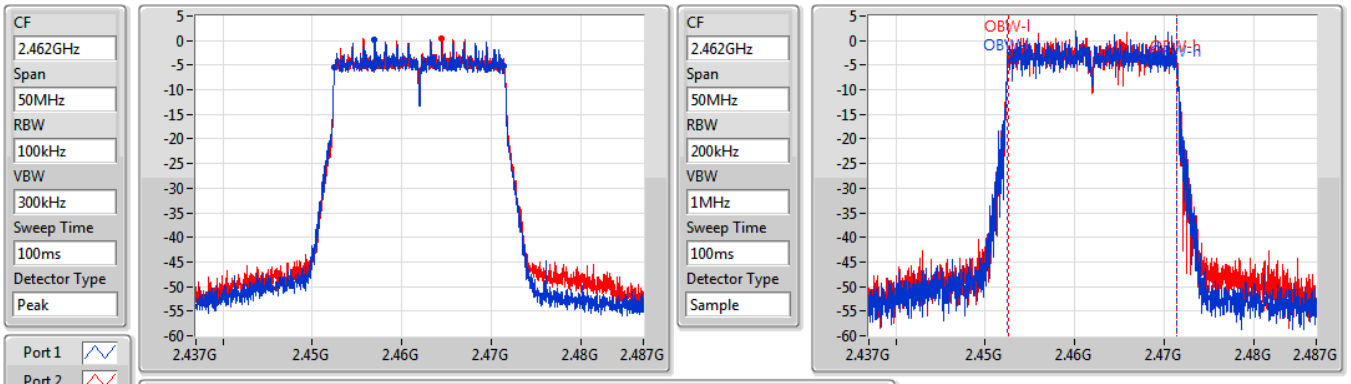


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.4276G	2.446475G	18.991M	2.42748G	2.44647G	500k	1
18.8M	2.427675G	2.446475G	18.966M	2.427505G	2.44647G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

10/10/2019

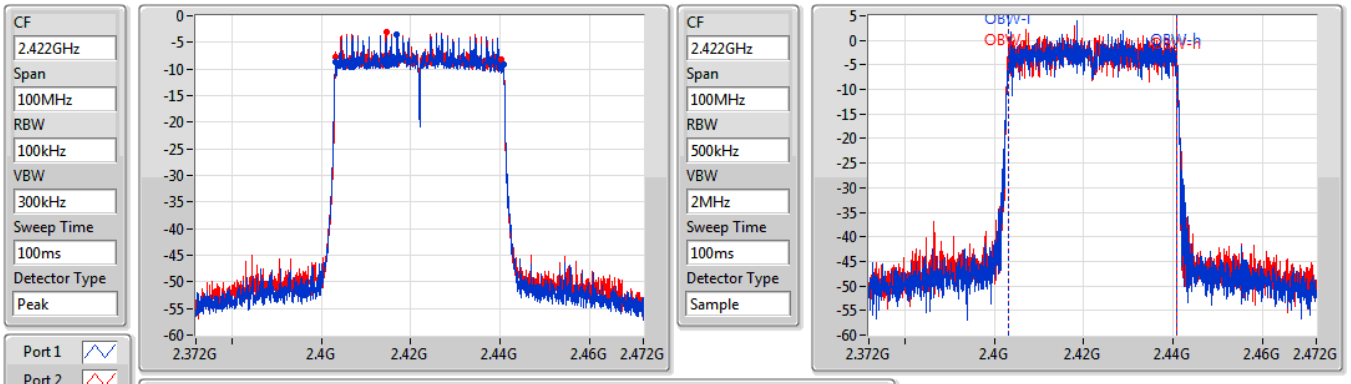


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.452525G	2.471425G	18.941M	2.452505G	2.471445G	500k	1
18.825M	2.4526G	2.471425G	18.941M	2.45253G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

10/10/2019

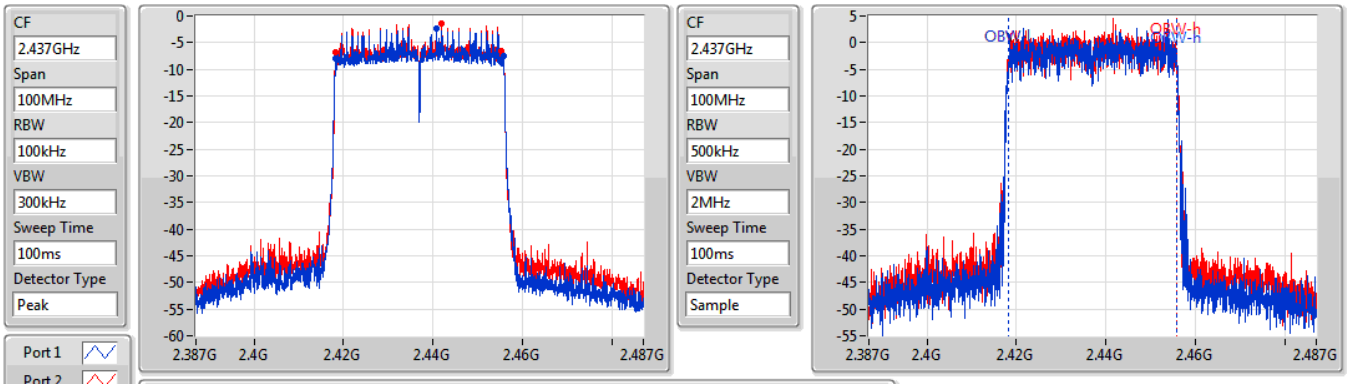


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40315G	2.44075G	37.481M	2.403209G	2.440691G	500k	1
37.05M	2.40315G	2.4402G	37.531M	2.403159G	2.440691G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

10/10/2019

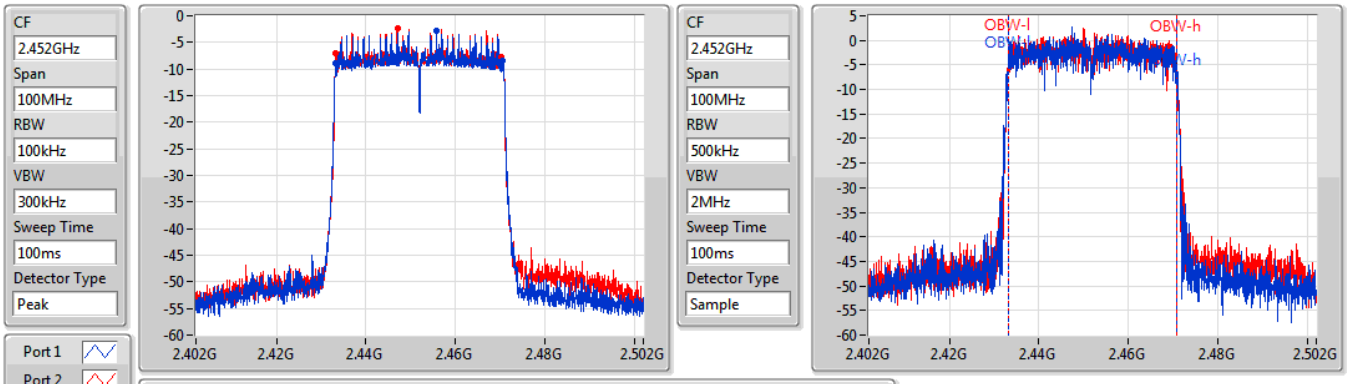


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.4182G	2.45575G	37.581M	2.418209G	2.455791G	500k	1
36.9M	2.41825G	2.45515G	37.581M	2.418159G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

10/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.43315G	2.4705G	37.481M	2.433209G	2.470691G	500k	1
37M	2.4332G	2.4702G	37.481M	2.433209G	2.470691G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19M	19.015M	19M0D1D	18.9M	18.966M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.6M	37.581M	37M6D1D	37.2M	37.481M

Max-N dB = Maximum 6dB down bandwidth; **Max-OBW** = Maximum 99% occupied bandwidth;
Min-N dB = Minimum 6dB down bandwidth; **Min-OBW** = Minimum 99% occupied bandwidth;

Result

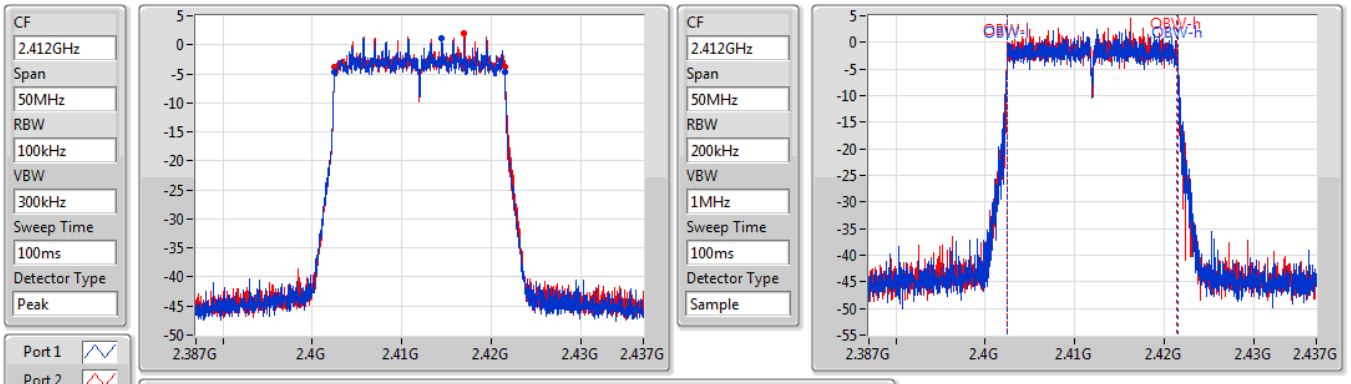
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19M	19.015M	18.975M	18.991M
2437MHz	Pass	500k	18.975M	19.015M	18.975M	19.015M
2462MHz	Pass	500k	18.95M	18.966M	18.9M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.6M	37.531M	37.2M	37.581M
2437MHz	Pass	500k	37.5M	37.481M	37.25M	37.581M
2452MHz	Pass	500k	37.5M	37.531M	37.25M	37.481M

Port X-N dB = Port **X** 6dB down bandwidth; **Port X-OBW** = Port **X** 99% occupied bandwidth;

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2412MHz

15/10/2019

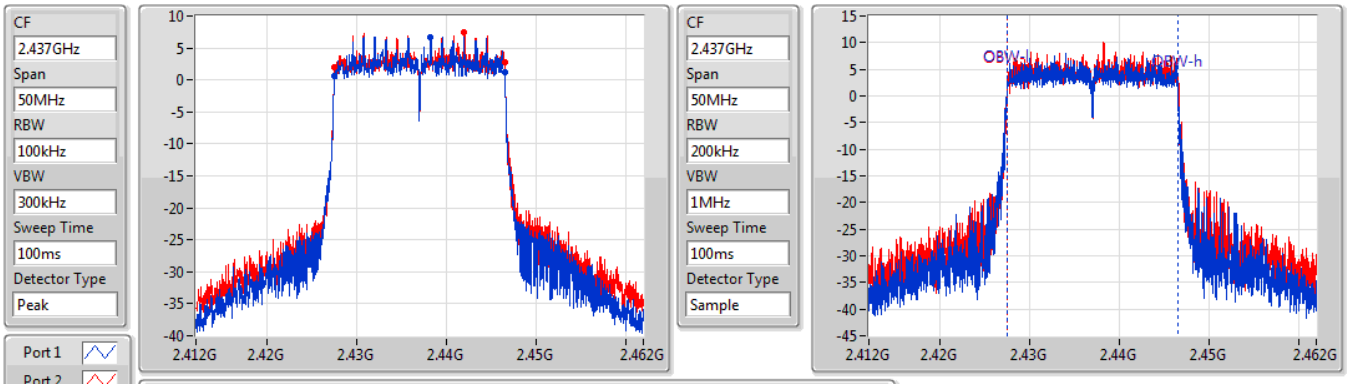


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19M	2.4025G	2.4215G	19.015M	2.40248G	2.421495G	500k	1
18.975M	2.402525G	2.4215G	18.991M	2.40248G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

15/10/2019

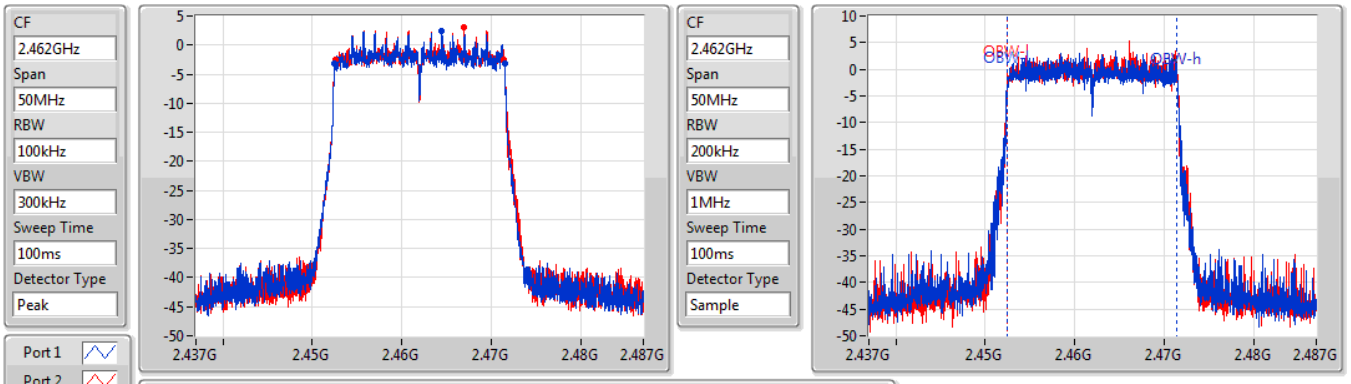


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	19.015M	2.42748G	2.446495G	500k	1
18.975M	2.427525G	2.4465G	19.015M	2.427505G	2.44652G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

15/10/2019

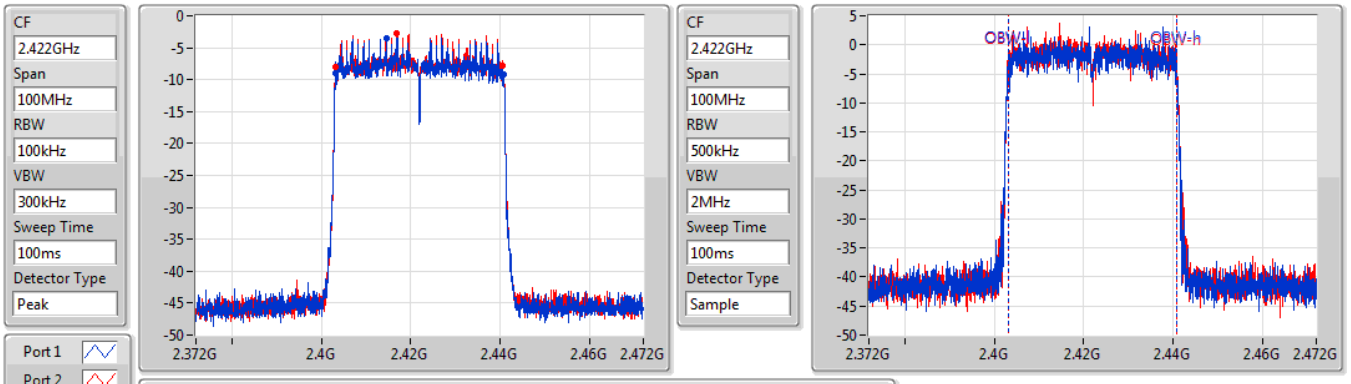


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.452525G	2.471475G	18.966M	2.452505G	2.47147G	500k	1
18.9M	2.45255G	2.47145G	18.991M	2.45248G	2.47147G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

15/10/2019

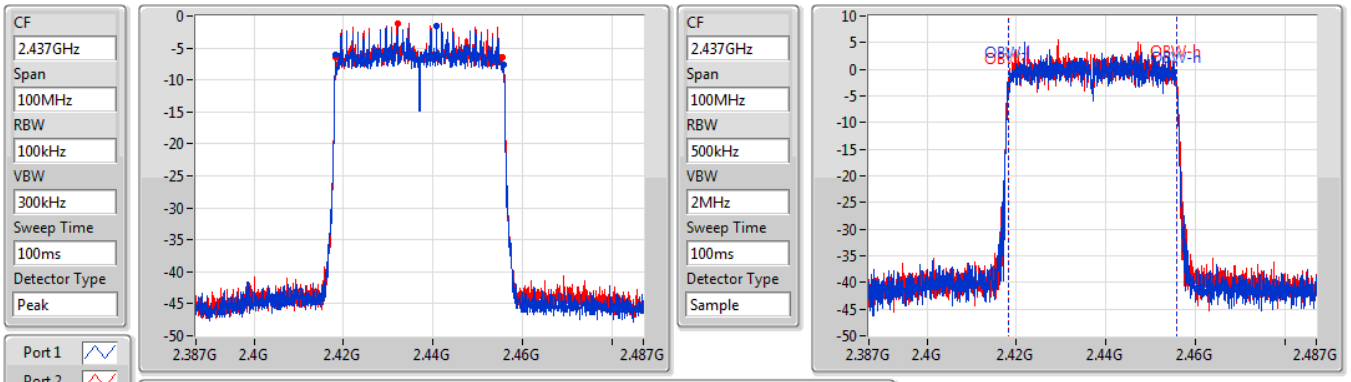


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40315G	2.44075G	37.531M	2.403159G	2.440691G	500k	1
37.2M	2.40325G	2.44045G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

15/10/2019

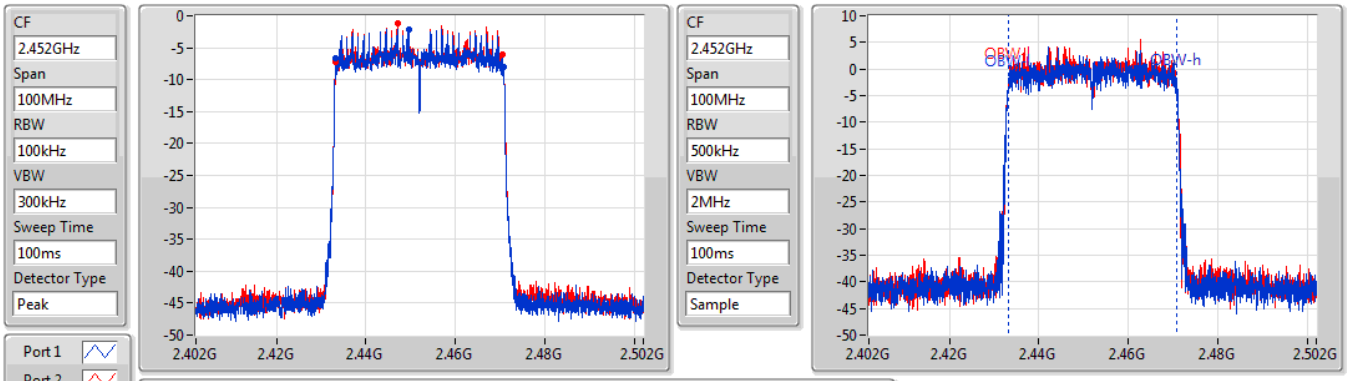


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4182G	2.4557G	37.481M	2.418209G	2.455691G	500k	1
37.25M	2.41825G	2.4555G	37.581M	2.418209G	2.455791G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2452MHz

15/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4332G	2.4707G	37.531M	2.433209G	2.470741G	500k	1
37.25M	2.4332G	2.47045G	37.481M	2.433259G	2.470741G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	27.91	0.61802
802.11g_Nss1,(6Mbps)_1TX	26.24	0.42073
VHT20_Nss1,(MCS0)_1TX	24.96	0.31333
VHT40_Nss1,(MCS0)_1TX	20.54	0.11324
802.11ax HEW20_Nss1,(MCS0)_1TX	25.26	0.33574
802.11ax HEW40_Nss1,(MCS0)_1TX	20.67	0.11668

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	4.56	22.12	22.12	30.00	22
2437MHz	Pass	4.56	27.91	27.91	30.00	26.5
2462MHz	Pass	4.56	22.15	22.15	30.00	30
2417MHz	Pass	4.56	26.05	26.05	30.00	26
2457MHz	Pass	4.56	25.76	25.76	30.00	22
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	4.56	20.10	20.10	30.00	21
2437MHz	Pass	4.56	26.24	26.24	30.00	24
2462MHz	Pass	4.56	19.62	19.62	30.00	28.25
2417MHz	Pass	4.56	23.15	23.15	30.00	22.5
2457MHz	Pass	4.56	21.59	21.59	30.00	20.5
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	4.56	19.99	19.99	30.00	20.75
2437MHz	Pass	4.56	24.96	24.96	30.00	23.25
2462MHz	Pass	4.56	18.11	18.11	30.00	26.5
2417MHz	Pass	4.56	22.50	22.50	30.00	22
2457MHz	Pass	4.56	21.31	21.31	30.00	18.75
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	4.56	18.66	18.66	30.00	18.75
2437MHz	Pass	4.56	20.54	20.54	30.00	20.5
2452MHz	Pass	4.56	18.86	18.86	30.00	19
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	4.56	20.29	20.29	30.00	20.75
2437MHz	Pass	4.56	25.26	25.26	30.00	23.25
2462MHz	Pass	4.56	18.21	18.21	30.00	26.5
2417MHz	Pass	4.56	22.84	22.84	30.00	22
2457MHz	Pass	4.56	21.39	21.39	30.00	18.75
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	4.56	18.89	18.89	30.00	18.75
2437MHz	Pass	4.56	20.67	20.67	30.00	20.5
2452MHz	Pass	4.56	18.88	18.88	30.00	19

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

Note: Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	28.86	0.76913
802.11g_Nss1,(6Mbps)_2TX	27.51	0.56364
VHT20_Nss2,(MCS0)_2TX	26.08	0.40551
VHT40_Nss2,(MCS0)_2TX	22.35	0.17179
802.11ax HEW20_Nss2,(MCS0)_2TX	26.42	0.43853
802.11ax HEW40_Nss2,(MCS0)_2TX	22.80	0.19055

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.56	24.87	24.96	27.93	30.00	24.75
2437MHz	Pass	4.56	25.89	25.81	28.86	30.00	26.25
2462MHz	Pass	4.56	24.37	24.70	27.55	30.00	24.5
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.56	19.03	19.52	22.29	30.00	19.75
2417MHz	Pass	4.56	19.78	20.22	23.02	30.00	20.75
2437MHz	Pass	4.56	24.52	24.48	27.51	30.00	25.75
2457MHz	Pass	4.56	19.67	20.22	22.96	30.00	20.5
2462MHz	Pass	4.56	18.40	18.79	21.61	30.00	19
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.56	17.81	18.03	20.93	30.00	18.5
2417MHz	Pass	4.56	19.83	20.17	23.01	30.00	20.75
2437MHz	Pass	4.56	23.02	23.11	26.08	30.00	24
2457MHz	Pass	4.56	19.92	20.35	23.15	30.00	20.75
2462MHz	Pass	4.56	19.16	19.66	22.43	30.00	20
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	4.56	17.01	17.60	20.33	30.00	17.5
2437MHz	Pass	4.56	19.21	19.46	22.35	30.00	19.5
2452MHz	Pass	4.56	16.96	17.40	20.20	30.00	17.5
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.56	18.19	18.23	21.22	30.00	18.5
2417MHz	Pass	4.56	20.14	20.37	23.27	30.00	20.75
2437MHz	Pass	4.56	23.37	23.44	26.42	30.00	24
2457MHz	Pass	4.56	20.18	20.48	23.34	30.00	20.75
2462MHz	Pass	4.56	19.50	19.90	22.71	30.00	20
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	4.56	17.49	18.01	20.77	30.00	17.5
2437MHz	Pass	4.56	19.74	19.84	22.80	30.00	19.5
2452MHz	Pass	4.56	17.40	17.98	20.71	30.00	17.5

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	25.97	0.39537
VHT40-BF_Nss1,(MCS0)_2TX	22.16	0.16444
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	26.01	0.39902
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.26	0.16827

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.57	17.98	19.67	21.92	28.43	20
2417MHz	Pass	7.57	18.72	20.28	22.58	28.43	20.5
2437MHz	Pass	7.57	22.21	23.60	25.97	28.43	24.25
2457MHz	Pass	7.57	17.03	18.30	20.72	28.43	18.75
2462MHz	Pass	7.57	17.70	19.13	21.48	28.43	19.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	7.57	17.38	18.76	21.13	28.43	18.25
2437MHz	Pass	7.57	18.49	19.72	22.16	28.43	19.25
2452MHz	Pass	7.57	16.83	18.12	20.53	28.43	17.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.57	18.50	19.82	22.22	28.43	20
2417MHz	Pass	7.57	18.82	20.41	22.70	28.43	20.5
2437MHz	Pass	7.57	22.27	23.62	26.01	28.43	24.25
2457MHz	Pass	7.57	17.29	18.48	20.94	28.43	18.75
2462MHz	Pass	7.57	17.78	19.31	21.62	28.43	19.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	7.57	17.52	18.89	21.27	28.43	18.25
2437MHz	Pass	7.57	18.67	19.76	22.26	28.43	19.25
2452MHz	Pass	7.57	16.96	18.35	20.72	28.43	17.75

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	25.67	0.36898
802.11g_Nss1,(6Mbps)_1TX	23.21	0.20941
VHT20_Nss1,(MCS0)_1TX	22.68	0.18535
VHT40_Nss1,(MCS0)_1TX	18.26	0.06699
802.11ax HEW20_Nss1,(MCS0)_1TX	22.78	0.18967
802.11ax HEW40_Nss1,(MCS0)_1TX	18.46	0.07015

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	23.27	23.27	30.00	22.25
2417MHz	Pass	5.00	23.55	23.55	30.00	22.75
2437MHz	Pass	5.00	25.67	25.67	30.00	26.5
2457MHz	Pass	5.00	23.84	23.84	30.00	23
2462MHz	Pass	5.00	23.41	23.41	30.00	22.25
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	17.27	17.27	30.00	17.25
2417MHz	Pass	5.00	19.34	19.34	30.00	19.25
2437MHz	Pass	5.00	23.21	23.21	30.00	23.5
2457MHz	Pass	5.00	19.85	19.85	30.00	19.75
2462MHz	Pass	5.00	17.60	17.60	30.00	17.5
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	16.97	16.97	30.00	16.75
2417MHz	Pass	5.00	19.02	19.02	30.00	18.75
2437MHz	Pass	5.00	22.68	22.68	30.00	22.75
2457MHz	Pass	5.00	19.84	19.84	30.00	19.75
2462MHz	Pass	5.00	16.67	16.67	30.00	16.5
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	5.00	16.68	16.68	30.00	16
2437MHz	Pass	5.00	18.26	18.26	30.00	17.5
2452MHz	Pass	5.00	17.81	17.81	30.00	17
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	17.04	17.04	30.00	16.75
2417MHz	Pass	5.00	19.23	19.23	30.00	18.75
2437MHz	Pass	5.00	22.78	22.78	30.00	22.75
2457MHz	Pass	5.00	20.05	20.05	30.00	19.75
2462MHz	Pass	5.00	16.81	16.81	30.00	16.5
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	5.00	17.02	17.02	30.00	16
2437MHz	Pass	5.00	18.46	18.46	30.00	17.5
2452MHz	Pass	5.00	17.88	17.88	30.00	17

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.56	0.22699
802.11g_Nss1,(6Mbps)_2TX	24.15	0.26002
VHT20_Nss2,(MCS0)_2TX	23.70	0.23442
VHT40_Nss2,(MCS0)_2TX	19.52	0.08954
802.11ax HEW20_Nss2,(MCS0)_2TX	23.89	0.24491
802.11ax HEW40_Nss2,(MCS0)_2TX	19.76	0.09462

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	21.13	19.65	23.46	30.00	20
2437MHz	Pass	5.00	21.16	19.84	23.56	30.00	20
2462MHz	Pass	5.00	17.51	16.97	20.26	30.00	17
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	15.90	15.14	18.55	30.00	15.75
2417MHz	Pass	5.00	16.89	16.17	19.56	30.00	16.75
2437MHz	Pass	5.00	21.57	20.66	24.15	30.00	21.5
2457MHz	Pass	5.00	17.69	16.91	20.33	30.00	17.5
2462MHz	Pass	5.00	16.33	15.76	19.06	30.00	16.25
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	16.75	15.93	19.37	30.00	16.5
2417MHz	Pass	5.00	17.60	16.85	20.25	30.00	17.5
2437MHz	Pass	5.00	21.14	20.18	23.70	30.00	21
2457MHz	Pass	5.00	18.05	17.20	20.66	30.00	17.75
2462MHz	Pass	5.00	17.33	16.73	20.05	30.00	17.25
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	5.00	15.51	14.95	18.25	30.00	15
2437MHz	Pass	5.00	16.75	16.26	19.52	30.00	16.25
2452MHz	Pass	5.00	16.06	15.51	18.80	30.00	15.5
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	16.98	16.23	19.63	30.00	16.5
2417MHz	Pass	5.00	17.89	17.13	20.54	30.00	17.5
2437MHz	Pass	5.00	21.34	20.37	23.89	30.00	21
2457MHz	Pass	5.00	18.26	17.52	20.92	30.00	17.75
2462MHz	Pass	5.00	17.51	17.03	20.29	30.00	17.25
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	5.00	15.91	15.14	18.55	30.00	15
2437MHz	Pass	5.00	17.09	16.38	19.76	30.00	16.25
2452MHz	Pass	5.00	16.34	15.77	19.07	30.00	15.5

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	25.44	0.34995
VHT40-BF_Nss1,(MCS0)_2TX	20.58	0.11429
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.65	0.36728
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.01	0.12618

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	8.01	15.58	15.93	18.77	27.99	16
2417MHz	Pass	8.01	17.15	17.26	20.22	27.99	17.5
2437MHz	Pass	8.01	22.32	22.54	25.44	27.99	23.25
2457MHz	Pass	8.01	17.79	17.73	20.77	27.99	18.25
2462MHz	Pass	8.01	16.21	16.51	19.37	27.99	16.75
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	8.01	16.08	16.29	19.20	27.99	15.75
2437MHz	Pass	8.01	17.19	17.92	20.58	27.99	17.5
2452MHz	Pass	8.01	17.16	17.47	20.33	27.99	17
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	8.01	16.16	16.21	19.20	27.99	16
2417MHz	Pass	8.01	17.64	17.78	20.72	27.99	17.5
2437MHz	Pass	8.01	22.59	22.68	25.65	27.99	23.25
2457MHz	Pass	8.01	17.99	17.91	20.96	27.99	18.25
2462MHz	Pass	8.01	16.51	16.83	19.68	27.99	16.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	8.01	16.37	16.66	19.53	27.99	15.75
2437MHz	Pass	8.01	17.84	18.16	21.01	27.99	17.5
2452MHz	Pass	8.01	17.39	17.61	20.51	27.99	17

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.27	0.21232
802.11g_Nss1,(6Mbps)_1TX	22.64	0.18365
VHT20_Nss1,(MCS0)_1TX	22.31	0.17022
VHT40_Nss1,(MCS0)_1TX	17.98	0.06281
802.11ax HEW20_Nss1,(MCS0)_1TX	22.45	0.17579
802.11ax HEW40_Nss1,(MCS0)_1TX	18.31	0.06776

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	7.80	23.27	23.27	28.20	22.25
2437MHz	Pass	7.80	23.09	23.09	28.20	22
2462MHz	Pass	7.80	21.45	21.45	28.20	20.25
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	7.80	17.02	17.02	28.20	17
2417MHz	Pass	7.80	18.49	18.49	28.20	18.25
2437MHz	Pass	7.80	22.64	22.64	28.20	22.75
2457MHz	Pass	7.80	18.17	18.17	28.20	18
2462MHz	Pass	7.80	17.11	17.11	28.20	17
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	7.80	16.18	16.18	28.20	16
2417MHz	Pass	7.80	18.49	18.49	28.20	18.25
2437MHz	Pass	7.80	22.31	22.31	28.20	22.25
2457MHz	Pass	7.80	18.43	18.43	28.20	18.25
2462MHz	Pass	7.80	15.23	15.23	28.20	15
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	7.80	16.24	16.24	28.20	15.5
2437MHz	Pass	7.80	17.98	17.98	28.20	17.25
2452MHz	Pass	7.80	16.45	16.45	28.20	15.75
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	7.80	16.36	16.36	28.20	16
2417MHz	Pass	7.80	18.80	18.80	28.20	18.25
2437MHz	Pass	7.80	22.45	22.45	28.20	22.25
2457MHz	Pass	7.80	18.60	18.60	28.20	18.25
2462MHz	Pass	7.80	15.35	15.35	28.20	15
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	7.80	16.52	16.52	28.20	15.5
2437MHz	Pass	7.80	18.31	18.31	28.20	17.25
2452MHz	Pass	7.80	16.58	16.58	28.20	15.75

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.25	0.21135
802.11g_Nss1,(6Mbps)_2TX	24.15	0.26002
VHT20_Nss2,(MCS0)_2TX	23.21	0.20941
VHT40_Nss2,(MCS0)_2TX	19.25	0.08414
802.11ax HEW20_Nss2,(MCS0)_2TX	23.54	0.22594
802.11ax HEW40_Nss2,(MCS0)_2TX	19.66	0.09247

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.80	20.74	19.67	23.25	28.20	19.75
2437MHz	Pass	7.80	19.38	18.06	21.78	28.20	18.25
2462MHz	Pass	7.80	18.15	17.55	20.87	28.20	17.5
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.80	15.90	15.14	18.55	28.20	15.75
2417MHz	Pass	7.80	17.15	16.44	19.82	28.20	17
2437MHz	Pass	7.80	21.57	20.66	24.15	28.20	21.5
2457MHz	Pass	7.80	17.69	16.91	20.33	28.20	17.5
2462MHz	Pass	7.80	16.33	15.76	19.06	28.20	16.25
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.80	16.75	15.93	19.37	28.20	16.5
2417MHz	Pass	7.80	17.60	16.85	20.25	28.20	17.5
2437MHz	Pass	7.80	20.68	19.67	23.21	28.20	20.5
2457MHz	Pass	7.80	17.74	17.04	20.41	28.20	17.5
2462MHz	Pass	7.80	17.13	16.57	19.87	28.20	17
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	7.80	15.51	14.95	18.25	28.20	15
2437MHz	Pass	7.80	16.54	15.91	19.25	28.20	16
2452MHz	Pass	7.80	15.57	15.05	18.33	28.20	15
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.80	16.98	16.23	19.63	28.20	16.5
2417MHz	Pass	7.80	17.89	17.13	20.54	28.20	17.5
2437MHz	Pass	7.80	21.08	19.91	23.54	28.20	20.5
2457MHz	Pass	7.80	17.92	17.28	20.62	28.20	17.5
2462MHz	Pass	7.80	17.25	16.73	20.01	28.20	17
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	7.80	15.91	15.14	18.55	28.20	15
2437MHz	Pass	7.80	17.04	16.21	19.66	28.20	16
2452MHz	Pass	7.80	15.80	15.30	18.57	28.20	15

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	23.66	0.23227
VHT40-BF_Nss1,(MCS0)_2TX	19.99	0.09977
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.91	0.24604
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.10	0.10233

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	15.79	16.38	19.11	25.19
2417MHz	Pass	10.81	18.37	18.57	21.48	25.19
2437MHz	Pass	10.81	20.61	20.69	23.66	25.19
2457MHz	Pass	10.81	17.37	17.36	20.38	25.19
2462MHz	Pass	10.81	15.88	16.32	19.12	25.19
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	15.79	15.98	18.90	25.19
2437MHz	Pass	10.81	16.77	17.18	19.99	25.19
2452MHz	Pass	10.81	15.85	16.23	19.05	25.19
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	10.81	16.1	16.68	19.41	25.19
2417MHz	Pass	10.81	18.6	18.98	21.80	25.19
2437MHz	Pass	10.81	20.81	20.99	23.91	25.19
2457MHz	Pass	10.81	17.21	17.59	20.41	25.19
2462MHz	Pass	10.81	16.17	16.56	19.38	25.19
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	10.81	15.94	16.42	19.20	25.19
2437MHz	Pass	10.81	16.98	17.2	20.10	25.19
2452MHz	Pass	10.81	16.17	16.35	19.27	25.19

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	25.46	0.35156
802.11g_Nss1,(6Mbps)_1TX	23.52	0.22491
VHT20_Nss1,(MCS0)_1TX	22.94	0.19679
VHT40_Nss1,(MCS0)_1TX	18.77	0.07534
802.11ax HEW20_Nss1,(MCS0)_1TX	23.18	0.20797
802.11ax HEW40_Nss1,(MCS0)_1TX	18.97	0.07889

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	24.48	24.48	25.50	23.5
2417MHz	Pass	10.50	24.61	24.61	25.50	23.75
2437MHz	Pass	10.50	25.46	25.46	25.50	25
2457MHz	Pass	10.50	24.69	24.69	25.50	23.75
2462MHz	Pass	10.50	24.29	24.29	25.50	23.25
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	17.61	17.61	25.50	17.5
2417MHz	Pass	10.50	19.57	19.57	25.50	19.5
2437MHz	Pass	10.50	23.52	23.52	25.50	23.75
2457MHz	Pass	10.50	19.73	19.73	25.50	19.75
2462MHz	Pass	10.50	18.48	18.48	25.50	18.25
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	16.10	16.10	25.50	16
2417MHz	Pass	10.50	19.14	19.14	25.50	19
2437MHz	Pass	10.50	22.94	22.94	25.50	23
2457MHz	Pass	10.50	19.92	19.92	25.50	19.75
2462MHz	Pass	10.50	16.56	16.56	25.50	16.25
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	10.50	17.27	17.27	25.50	16.5
2437MHz	Pass	10.50	18.77	18.77	25.50	18
2452MHz	Pass	10.50	18.35	18.35	25.50	17.5
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	16.37	16.37	25.50	16
2417MHz	Pass	10.50	19.49	19.49	25.50	19
2437MHz	Pass	10.50	23.18	23.18	25.50	23
2457MHz	Pass	10.50	20.11	20.11	25.50	19.75
2462MHz	Pass	10.50	16.72	16.72	25.50	16.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	10.50	17.44	17.44	25.50	16.5
2437MHz	Pass	10.50	18.97	18.97	25.50	18
2452MHz	Pass	10.50	18.48	18.48	25.50	17.5

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.44	0.34995
802.11g_Nss1,(6Mbps)_2TX	25.32	0.34041
VHT20_Nss2,(MCS0)_2TX	24.54	0.28445
VHT40_Nss2,(MCS0)_2TX	20.47	0.11143
802.11ax HEW20_Nss2,(MCS0)_2TX	24.76	0.29923
802.11ax HEW40_Nss2,(MCS0)_2TX	20.60	0.11482

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	22.42	22.35	25.40	25.50	21.75
2437MHz	Pass	10.50	22.47	22.38	25.44	25.50	21.75
2462MHz	Pass	10.50	22.46	22.13	25.31	25.50	21.75
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	16.50	16.42	19.47	25.50	16.25
2417MHz	Pass	10.50	17.51	17.16	20.35	25.50	17.5
2437MHz	Pass	10.50	22.57	22.03	25.32	25.50	22.5
2457MHz	Pass	10.50	17.92	17.74	20.84	25.50	18.25
2462MHz	Pass	10.50	17.60	17.43	20.53	25.50	17.5
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	17.25	17.24	20.26	25.50	17.25
2417MHz	Pass	10.50	18.46	18.00	21.25	25.50	18.25
2437MHz	Pass	10.50	21.74	21.30	24.54	25.50	21.75
2457MHz	Pass	10.50	18.58	18.39	21.50	25.50	18.5
2462MHz	Pass	10.50	17.95	17.77	20.87	25.50	17.75
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	10.50	16.27	16.15	19.22	25.50	15.75
2437MHz	Pass	10.50	17.57	17.35	20.47	25.50	17
2452MHz	Pass	10.50	16.83	16.40	19.63	25.50	16.25
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	17.70	17.42	20.57	25.50	17.25
2417MHz	Pass	10.50	18.78	18.26	21.54	25.50	18.25
2437MHz	Pass	10.50	21.91	21.59	24.76	25.50	21.75
2457MHz	Pass	10.50	18.97	18.49	21.75	25.50	18.5
2462MHz	Pass	10.50	18.19	17.84	21.03	25.50	17.75
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	10.50	16.59	16.29	19.45	25.50	15.75
2437MHz	Pass	10.50	17.72	17.46	20.60	25.50	17
2452MHz	Pass	10.50	16.93	16.89	19.92	25.50	16.25

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	22.17	0.16482
VHT40-BF_Nss1,(MCS0)_2TX	19.39	0.08690
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	22.43	0.17498
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.64	0.09204

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	13.51	15.79	16.38	19.11	22.49	16.25
2417MHz	Pass	13.51	16.44	16.76	19.61	22.49	16.75
2437MHz	Pass	13.51	19.00	19.31	22.17	22.49	19.5
2457MHz	Pass	13.51	16.28	16.52	19.41	22.49	16.75
2462MHz	Pass	13.51	15.12	15.30	18.22	22.49	15.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	13.51	14.87	15.28	18.09	22.49	14.5
2437MHz	Pass	13.51	16.19	16.56	19.39	22.49	16
2452MHz	Pass	13.51	15.85	16.23	19.05	22.49	15.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	13.51	16.10	16.68	19.41	22.49	16.25
2417MHz	Pass	13.51	16.73	17.00	19.88	22.49	16.75
2437MHz	Pass	13.51	19.20	19.63	22.43	22.49	19.5
2457MHz	Pass	13.51	16.14	16.62	19.40	22.49	16.75
2462MHz	Pass	13.51	15.29	15.62	18.47	22.49	15.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	13.51	15.09	15.41	18.26	22.49	14.5
2437MHz	Pass	13.51	16.53	16.72	19.64	22.49	16
2452MHz	Pass	13.51	16.17	16.35	19.27	22.49	15.75

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.28	0.21281
802.11g_Nss1,(6Mbps)_1TX	22.74	0.18793
VHT20_Nss1,(MCS0)_1TX	22.07	0.16106
VHT40_Nss1,(MCS0)_1TX	18.24	0.06668
802.11ax HEW20_Nss1,(MCS0)_1TX	22.23	0.16711
802.11ax HEW40_Nss1,(MCS0)_1TX	18.42	0.06950

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	4.47	22.42	22.42	30.00	22
2437MHz	Pass	4.47	22.61	22.61	30.00	22.25
2462MHz	Pass	4.47	23.28	23.28	30.00	22.75
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	4.47	17.66	17.66	30.00	18.5
2417MHz	Pass	4.47	20.08	20.08	30.00	21.5
2437MHz	Pass	4.47	22.74	22.74	30.00	24.5
2457MHz	Pass	4.47	19.56	19.56	30.00	20.75
2462MHz	Pass	4.47	17.36	17.36	30.00	18
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	4.47	17.53	17.53	30.00	18.25
2417MHz	Pass	4.47	19.36	19.36	30.00	20.25
2437MHz	Pass	4.47	22.07	22.07	30.00	23.5
2457MHz	Pass	4.47	19.51	19.51	30.00	20.5
2462MHz	Pass	4.47	15.72	15.72	30.00	16
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	4.47	16.65	16.65	30.00	16.75
2437MHz	Pass	4.47	18.24	18.24	30.00	18.5
2452MHz	Pass	4.47	17.01	17.01	30.00	17.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	4.47	17.72	17.72	30.00	18.25
2417MHz	Pass	4.47	19.57	19.57	30.00	20.25
2437MHz	Pass	4.47	22.23	22.23	30.00	23.5
2457MHz	Pass	4.47	19.75	19.75	30.00	20.5
2462MHz	Pass	4.47	15.85	15.85	30.00	16
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	4.47	16.71	16.71	30.00	16.75
2437MHz	Pass	4.47	18.42	18.42	30.00	18.5
2452MHz	Pass	4.47	17.15	17.15	30.00	17.25

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	26.58	0.45499
802.11g_Nss1,(6Mbps)_2TX	24.28	0.26792
VHT20_Nss2,(MCS0)_2TX	23.84	0.24210
VHT40_Nss2,(MCS0)_2TX	20.02	0.10046
802.11ax HEW20_Nss2,(MCS0)_2TX	24.04	0.25351
802.11ax HEW40_Nss2,(MCS0)_2TX	20.25	0.10593

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.47	22.11	22.63	25.39	30.00	21.5
2437MHz	Pass	4.47	23.35	23.78	26.58	30.00	23
2462MHz	Pass	4.47	21.23	21.86	24.57	30.00	20.75
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.47	16.07	16.31	19.20	30.00	16.5
2417MHz	Pass	4.47	17.85	18.15	21.01	30.00	18.5
2437MHz	Pass	4.47	21.04	21.49	24.28	30.00	22.25
2457MHz	Pass	4.47	18.46	18.83	21.66	30.00	19.25
2462MHz	Pass	4.47	15.86	16.17	19.03	30.00	16.25
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.47	15.73	15.95	18.85	30.00	16
2417MHz	Pass	4.47	18.23	18.47	21.36	30.00	19
2437MHz	Pass	4.47	20.64	21.01	23.84	30.00	21.75
2457MHz	Pass	4.47	17.61	18.07	20.86	30.00	18.25
2462MHz	Pass	4.47	16.59	16.92	19.77	30.00	17
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	4.47	14.67	14.96	17.83	30.00	14.75
2437MHz	Pass	4.47	16.84	17.17	20.02	30.00	17
2452MHz	Pass	4.47	15.19	15.56	18.39	30.00	15.25
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	4.47	15.83	16.18	19.02	30.00	16
2417MHz	Pass	4.47	18.52	18.68	21.61	30.00	19
2437MHz	Pass	4.47	20.78	21.26	24.04	30.00	21.75
2457MHz	Pass	4.47	17.86	18.23	21.06	30.00	18.25
2462MHz	Pass	4.47	16.81	17.09	19.96	30.00	17
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	4.47	14.93	15.21	18.08	30.00	14.75
2437MHz	Pass	4.47	17.06	17.42	20.25	30.00	17
2452MHz	Pass	4.47	15.32	15.76	18.56	30.00	15.25

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	23.73	0.23605
VHT40-BF_Nss1,(MCS0)_2TX	19.24	0.08395
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	23.99	0.25061
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.39	0.08690

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.48	15.36	15.66	18.52	28.52	16.25
2417MHz	Pass	7.48	16.76	16.92	19.85	28.52	17.75
2437MHz	Pass	7.48	20.47	20.96	23.73	28.52	22
2457MHz	Pass	7.48	16.54	16.92	19.74	28.52	17.75
2462MHz	Pass	7.48	15.53	15.89	18.72	28.52	16.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	7.48	14.49	14.96	17.74	28.52	15
2437MHz	Pass	7.48	16.10	16.35	19.24	28.52	16.5
2452MHz	Pass	7.48	14.48	14.84	17.67	28.52	15
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	7.48	15.60	15.95	18.79	28.52	16.25
2417MHz	Pass	7.48	17.05	17.17	20.12	28.52	17.75
2437MHz	Pass	7.48	20.63	21.31	23.99	28.52	22
2457MHz	Pass	7.48	16.93	17.21	20.08	28.52	17.75
2462MHz	Pass	7.48	15.93	16.04	19.00	28.52	16.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	7.48	14.79	15.11	17.96	28.52	15
2437MHz	Pass	7.48	16.22	16.54	19.39	28.52	16.5
2452MHz	Pass	7.48	14.77	15.09	17.94	28.52	15

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	22.89	0.19454
802.11g_Nss1,(6Mbps)_1TX	22.87	0.19364
VHT20_Nss1,(MCS0)_1TX	21.95	0.15668
VHT40_Nss1,(MCS0)_1TX	17.82	0.06053
802.11ax HEW20_Nss1,(MCS0)_1TX	22.15	0.16406
802.11ax HEW40_Nss1,(MCS0)_1TX	18.03	0.06353

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	21.36	21.36	30.00	21.25
2437MHz	Pass	5.00	20.61	20.61	30.00	20.5
2462MHz	Pass	5.00	22.89	22.89	30.00	22.5
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	16.63	16.63	30.00	17
2417MHz	Pass	5.00	17.75	17.75	30.00	18.25
2437MHz	Pass	5.00	22.87	22.87	30.00	23
2457MHz	Pass	5.00	21.43	21.43	30.00	21.75
2462MHz	Pass	5.00	18.14	18.14	30.00	18.25
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	14.69	14.69	30.00	14.75
2417MHz	Pass	5.00	18.05	18.05	30.00	18.5
2437MHz	Pass	5.00	21.95	21.95	30.00	22.5
2457MHz	Pass	5.00	19.58	19.58	30.00	20
2462MHz	Pass	5.00	16.98	16.98	30.00	17.25
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	5.00	15.11	15.11	30.00	14.75
2437MHz	Pass	5.00	17.82	17.82	30.00	17.5
2452MHz	Pass	5.00	17.54	17.54	30.00	17.25
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	5.00	14.93	14.93	30.00	14.75
2417MHz	Pass	5.00	18.33	18.33	30.00	18.5
2437MHz	Pass	5.00	22.15	22.15	30.00	22.5
2457MHz	Pass	5.00	19.89	19.89	30.00	20
2462MHz	Pass	5.00	17.40	17.40	30.00	17.25
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	5.00	15.17	15.17	30.00	14.75
2437MHz	Pass	5.00	18.03	18.03	30.00	17.5
2452MHz	Pass	5.00	17.69	17.69	30.00	17.25

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	21.51	0.14158
802.11g_Nss1,(6Mbps)_2TX	22.88	0.19409
VHT20_Nss2,(MCS0)_2TX	22.33	0.17100
VHT40_Nss2,(MCS0)_2TX	17.49	0.05610
802.11ax HEW20_Nss2,(MCS0)_2TX	22.54	0.17947
802.11ax HEW40_Nss2,(MCS0)_2TX	17.70	0.05888

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	18.31	18.01	21.17	30.00	18.75
2437MHz	Pass	5.00	17.73	17.47	20.61	30.00	17.75
2462MHz	Pass	5.00	18.58	18.42	21.51	30.00	19
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	14.86	15.66	18.29	30.00	15
2417MHz	Pass	5.00	16.11	16.98	19.58	30.00	16.5
2437MHz	Pass	5.00	19.41	20.28	22.88	30.00	20
2457MHz	Pass	5.00	16.17	16.91	19.57	30.00	16.5
2462MHz	Pass	5.00	14.98	15.68	18.35	30.00	15
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	14.63	15.13	17.90	30.00	14.5
2417MHz	Pass	5.00	16.67	17.20	19.95	30.00	16.75
2437MHz	Pass	5.00	18.91	19.70	22.33	30.00	19.25
2457MHz	Pass	5.00	16.36	17.01	19.71	30.00	16.25
2462MHz	Pass	5.00	15.10	15.79	18.47	30.00	15
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	5.00	13.17	13.72	16.46	30.00	13
2437MHz	Pass	5.00	14.19	14.75	17.49	30.00	14
2452MHz	Pass	5.00	12.57	12.82	15.71	30.00	12.25
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	5.00	14.81	15.38	18.11	30.00	14.5
2417MHz	Pass	5.00	16.92	17.41	20.18	30.00	16.75
2437MHz	Pass	5.00	19.08	19.94	22.54	30.00	19.25
2457MHz	Pass	5.00	16.48	17.12	19.82	30.00	16.25
2462MHz	Pass	5.00	15.32	15.95	18.66	30.00	15
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	5.00	13.31	13.94	16.65	30.00	13
2437MHz	Pass	5.00	14.31	15.03	17.70	30.00	14
2452MHz	Pass	5.00	12.83	13.09	15.97	30.00	12.25

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	23.98	0.25003
VHT40-BF_Nss1,(MCS0)_2TX	19.43	0.08770
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.23	0.26485
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.51	0.08933

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	8.01	14.16	14.45	17.32	27.99	14
2417MHz	Pass	8.01	17.11	17.62	20.38	27.99	17.25
2437MHz	Pass	8.01	20.52	21.37	23.98	27.99	21.25
2457MHz	Pass	8.01	17.96	18.94	21.49	27.99	18.5
2462MHz	Pass	8.01	16.61	17.30	19.98	27.99	16.75
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	8.01	14.37	15.02	17.72	27.99	14.25
2437MHz	Pass	8.01	16.01	16.80	19.43	27.99	15.75
2452MHz	Pass	8.01	15.67	16.46	19.09	27.99	15.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	8.01	14.50	14.96	17.75	27.99	14
2417MHz	Pass	8.01	17.42	17.81	20.63	27.99	17.25
2437MHz	Pass	8.01	20.81	21.60	24.23	27.99	21.25
2457MHz	Pass	8.01	18.34	19.12	21.76	27.99	18.5
2462MHz	Pass	8.01	16.72	17.64	20.21	27.99	16.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	8.01	14.71	15.22	17.98	27.99	14.25
2437MHz	Pass	8.01	16.06	16.90	19.51	27.99	15.75
2452MHz	Pass	8.01	15.92	16.59	19.28	27.99	15.5

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	19.59	0.09099
802.11g_Nss1,(6Mbps)_1TX	21.52	0.14191
VHT20_Nss1,(MCS0)_1TX	21.63	0.14555
VHT40_Nss1,(MCS0)_1TX	14.93	0.03112
802.11ax HEW20_Nss1,(MCS0)_1TX	21.85	0.15311
802.11ax HEW40_Nss1,(MCS0)_1TX	15.13	0.03258

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	7.80	19.59	19.59	28.20	19
2437MHz	Pass	7.80	16.70	16.70	28.20	16.25
2462MHz	Pass	7.80	18.95	18.95	28.20	18.5
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-
2412MHz	Pass	7.80	15.41	15.41	28.20	15
2417MHz	Pass	7.80	18.72	18.72	28.20	18.5
2437MHz	Pass	7.80	21.52	21.52	28.20	21.25
2457MHz	Pass	7.80	16.89	16.89	28.20	16.5
2462MHz	Pass	7.80	15.59	15.59	28.20	15
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
2412MHz	Pass	7.80	16.07	16.07	28.20	15.5
2417MHz	Pass	7.80	17.82	17.82	28.20	17.5
2437MHz	Pass	7.80	21.63	21.63	28.20	21.25
2457MHz	Pass	7.80	16.55	16.55	28.20	16
2462MHz	Pass	7.80	15.61	15.61	28.20	15
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
2422MHz	Pass	7.80	14.24	14.24	28.20	13.25
2437MHz	Pass	7.80	14.93	14.93	28.20	14
2452MHz	Pass	7.80	13.72	13.72	28.20	13
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-
2412MHz	Pass	7.80	16.32	16.32	28.20	15.5
2417MHz	Pass	7.80	18.18	18.18	28.20	17.5
2437MHz	Pass	7.80	21.85	21.85	28.20	21.25
2457MHz	Pass	7.80	16.80	16.80	28.20	16
2462MHz	Pass	7.80	15.90	15.90	28.20	15
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-
2422MHz	Pass	7.80	14.34	14.34	28.20	13.25
2437MHz	Pass	7.80	15.13	15.13	28.20	14
2452MHz	Pass	7.80	14.09	14.09	28.20	13

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	18.25	0.06683
802.11g_Nss1,(6Mbps)_2TX	22.11	0.16255
VHT20_Nss2,(MCS0)_2TX	20.81	0.12050
VHT40_Nss2,(MCS0)_2TX	16.67	0.04645
802.11ax HEW20_Nss2,(MCS0)_2TX	21.12	0.12942
802.11ax HEW40_Nss2,(MCS0)_2TX	16.97	0.04977

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	7.80	15.28	15.19	18.25	28.20	14.75
2437MHz	Pass	7.80	13.62	13.55	16.60	28.20	13
2462MHz	Pass	7.80	14.34	13.82	17.10	28.20	13.75
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	7.80	15.22	15.01	18.13	28.20	14.5
2417MHz	Pass	7.80	16.82	16.46	19.65	28.20	16.25
2437MHz	Pass	7.80	19.27	18.93	22.11	28.20	18.75
2457MHz	Pass	7.80	16.09	16.00	19.06	28.20	15.5
2462MHz	Pass	7.80	14.97	14.72	17.86	28.20	14.25
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	7.80	13.91	13.83	16.88	28.20	13.25
2417MHz	Pass	7.80	16.06	15.87	18.98	28.20	15.5
2437MHz	Pass	7.80	17.91	17.69	20.81	28.20	17.5
2457MHz	Pass	7.80	15.07	14.87	17.98	28.20	14.25
2462MHz	Pass	7.80	14.05	13.99	17.03	28.20	13.25
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
2422MHz	Pass	7.80	12.43	12.25	15.35	28.20	11.75
2437MHz	Pass	7.80	13.72	13.60	16.67	28.20	13
2452MHz	Pass	7.80	11.56	11.37	14.48	28.20	10.75
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	7.80	14.25	14.05	17.16	28.20	13.25
2417MHz	Pass	7.80	16.39	16.09	19.25	28.20	15.5
2437MHz	Pass	7.80	18.27	17.95	21.12	28.20	17.5
2457MHz	Pass	7.80	15.33	15.07	18.21	28.20	14.25
2462MHz	Pass	7.80	14.17	14.22	17.21	28.20	13.25
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-
2422MHz	Pass	7.80	12.76	12.54	15.66	28.20	11.75
2437MHz	Pass	7.80	14.01	13.90	16.97	28.20	13
2452MHz	Pass	7.80	11.60	11.49	14.56	28.20	10.75

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	21.70	0.14791
VHT40-BF_Nss1,(MCS0)_2TX	15.73	0.03741
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.96	0.15704
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	15.88	0.03873

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	10.81	13.71	13.98	16.86	25.19	13.5
2417MHz	Pass	10.81	16.42	16.84	19.65	25.19	16.5
2437MHz	Pass	10.81	18.31	19.04	21.70	25.19	18.75
2457MHz	Pass	10.81	15.05	15.57	18.33	25.19	15
2462MHz	Pass	10.81	12.87	13.36	16.13	25.19	12.75
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2422MHz	Pass	10.81	11.73	12.13	14.94	25.19	11.5
2437MHz	Pass	10.81	12.58	12.85	15.73	25.19	12.25
2452MHz	Pass	10.81	11.65	12.26	14.98	25.19	11.5
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2412MHz	Pass	10.81	13.84	14.22	17.04	25.19	13.5
2417MHz	Pass	10.81	16.74	17.15	19.96	25.19	16.5
2437MHz	Pass	10.81	18.52	19.34	21.96	25.19	18.75
2457MHz	Pass	10.81	15.38	15.76	18.58	25.19	15
2462MHz	Pass	10.81	13.06	13.58	16.34	25.19	12.75
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-
2422MHz	Pass	10.81	11.87	12.25	15.07	25.19	11.5
2437MHz	Pass	10.81	12.79	12.94	15.88	25.19	12.25
2452MHz	Pass	10.81	11.96	12.32	15.15	25.19	11.5

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX	23.44	0.22080
802.11g_Nss1,(6Mbps)_1TX	21.15	0.13032
VHT20_Nss1,(MCS0)_1TX	20.49	0.11194
VHT40_Nss1,(MCS0)_1TX	15.71	0.03724
802.11ax HEW20_Nss1,(MCS0)_1TX	20.78	0.11967
802.11ax HEW40_Nss1,(MCS0)_1TX	16.14	0.04111

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	21.65	21.65	25.50	21.5
2437MHz	Pass	10.50	23.44	23.44	25.50	23
2462MHz	Pass	10.50	21.26	21.26	25.50	21
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	15.75	15.75	25.50	15.75
2417MHz	Pass	10.50	18.09	18.09	25.50	18.5
2437MHz	Pass	10.50	21.15	21.15	25.50	21.75
2457MHz	Pass	10.50	17.22	17.22	25.50	17.5
2462MHz	Pass	10.50	15.89	15.89	25.50	15.75
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	14.37	14.37	25.50	14.25
2417MHz	Pass	10.50	17.62	17.62	25.50	18
2437MHz	Pass	10.50	20.49	20.49	25.50	21
2457MHz	Pass	10.50	16.77	16.77	25.50	17
2462MHz	Pass	10.50	13.17	13.17	25.50	13
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	10.50	13.43	13.43	25.50	13.25
2437MHz	Pass	10.50	15.71	15.71	25.50	15.5
2452MHz	Pass	10.50	15.29	15.29	25.50	15
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	
2412MHz	Pass	10.50	14.67	14.67	25.50	14.25
2417MHz	Pass	10.50	17.82	17.82	25.50	18
2437MHz	Pass	10.50	20.78	20.78	25.50	21
2457MHz	Pass	10.50	17.12	17.12	25.50	17
2462MHz	Pass	10.50	13.51	13.51	25.50	13
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	
2422MHz	Pass	10.50	13.60	13.60	25.50	13.25
2437MHz	Pass	10.50	16.14	16.14	25.50	15.5
2452MHz	Pass	10.50	15.48	15.48	25.50	15

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	23.45	0.22131
802.11g_Nss1,(6Mbps)_2TX	20.97	0.12503
VHT20_Nss2,(MCS0)_2TX	20.56	0.11376
VHT40_Nss2,(MCS0)_2TX	16.25	0.04217
802.11ax HEW20_Nss2,(MCS0)_2TX	20.84	0.12134
802.11ax HEW40_Nss2,(MCS0)_2TX	16.63	0.04603

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	18.88	18.51	21.71	25.50	19.25
2437MHz	Pass	10.50	20.59	20.28	23.45	25.50	20.5
2462MHz	Pass	10.50	18.89	18.76	21.84	25.50	19.25
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	14.05	14.54	17.31	25.50	14
2417MHz	Pass	10.50	15.46	15.82	18.65	25.50	15.5
2437MHz	Pass	10.50	17.68	18.22	20.97	25.50	18
2457MHz	Pass	10.50	14.12	14.27	17.21	25.50	15
2462MHz	Pass	10.50	14.08	14.60	17.36	25.50	13.75
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	13.43	13.74	16.60	25.50	13.25
2417MHz	Pass	10.50	16.14	16.65	19.41	25.50	16.25
2437MHz	Pass	10.50	17.21	17.86	20.56	25.50	17.5
2457MHz	Pass	10.50	14.96	15.46	18.23	25.50	14.75
2462MHz	Pass	10.50	12.71	13.21	15.98	25.50	12.5
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	10.50	11.99	12.35	15.18	25.50	11.75
2437MHz	Pass	10.50	12.84	13.61	16.25	25.50	12.75
2452MHz	Pass	10.50	12.13	12.40	15.28	25.50	11.75
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	10.50	13.47	14.14	16.83	25.50	13.25
2417MHz	Pass	10.50	16.49	16.81	19.66	25.50	16.25
2437MHz	Pass	10.50	17.42	18.21	20.84	25.50	17.5
2457MHz	Pass	10.50	15.10	15.83	18.49	25.50	14.75
2462MHz	Pass	10.50	13.03	13.43	16.24	25.50	12.5
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	10.50	12.18	12.51	15.36	25.50	11.75
2437MHz	Pass	10.50	13.27	13.94	16.63	25.50	12.75
2452MHz	Pass	10.50	12.37	12.69	15.54	25.50	11.75

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

Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
VHT20-BF_Nss1,(MCS0)_2TX	21.47	0.14028
VHT40-BF_Nss1,(MCS0)_2TX	15.73	0.03741
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	21.71	0.14825
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	15.88	0.03873

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)	Conducted setting
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	13.51	12.68	13.04	15.87	22.49	12.5
2417MHz	Pass	13.51	15.07	15.46	18.28	22.49	15
2437MHz	Pass	13.51	18.08	18.80	21.47	22.49	18.5
2457MHz	Pass	13.51	15.31	15.82	18.58	22.49	15.25
2462MHz	Pass	13.51	13.67	14.21	16.96	22.49	13.5
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	13.51	10.91	11.42	14.18	22.49	10.75
2437MHz	Pass	13.51	12.58	12.85	15.73	22.49	12.25
2452MHz	Pass	13.51	11.97	12.48	15.24	22.49	11.75
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2412MHz	Pass	13.51	12.86	13.25	16.07	22.49	12.5
2417MHz	Pass	13.51	15.29	15.71	18.52	22.49	15
2437MHz	Pass	13.51	18.30	19.07	21.71	22.49	18.5
2457MHz	Pass	13.51	15.65	16.01	18.84	22.49	15.25
2462MHz	Pass	13.51	13.87	14.34	17.12	22.49	13.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	
2422MHz	Pass	13.51	11.02	11.52	14.29	22.49	10.75
2437MHz	Pass	13.51	12.79	12.94	15.88	22.49	12.25
2452MHz	Pass	13.51	12.19	12.56	15.39	22.49	11.75

DG = Directional Gain; **Port X** = Port X output power
Note : Conducted setting = Pass conducted setting division 4

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	6.28
802.11g_Nss1,(6Mbps)_1TX	0.87
VHT20_Nss1,(MCS0)_1TX	-0.48
VHT40_Nss1,(MCS0)_1TX	-7.61
802.11ax HEW20_Nss1,(MCS0)_1TX	-0.57
802.11ax HEW40_Nss1,(MCS0)_1TX	-7.83

RBW=3 kHz.

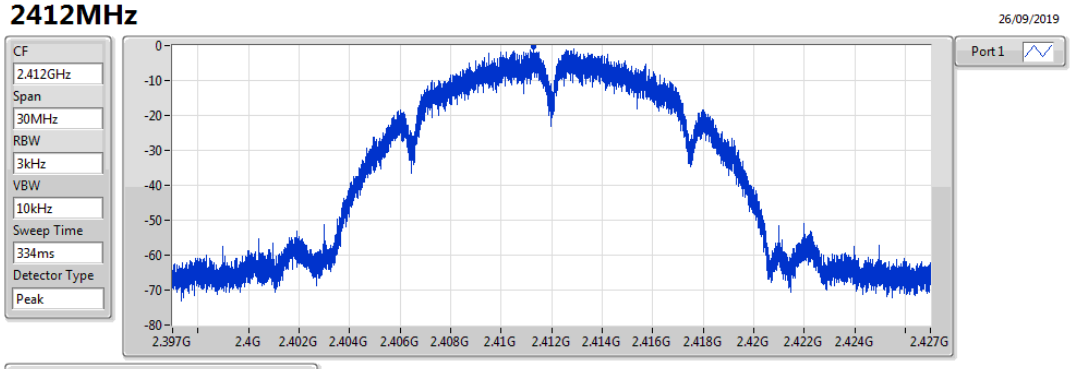
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.56	-0.46	-0.46	8.00
2437MHz	Pass	4.56	6.28	6.28	8.00
2462MHz	Pass	4.56	-0.46	-0.46	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.56	-5.29	-5.29	8.00
2437MHz	Pass	4.56	0.87	0.87	8.00
2462MHz	Pass	4.56	-6.25	-6.25	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.56	-6.23	-6.23	8.00
2437MHz	Pass	4.56	-0.48	-0.48	8.00
2462MHz	Pass	4.56	-8.35	-8.35	8.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.56	-8.93	-8.93	8.00
2437MHz	Pass	4.56	-7.61	-7.61	8.00
2452MHz	Pass	4.56	-9.76	-9.76	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.56	-5.03	-5.03	8.00
2437MHz	Pass	4.56	-0.57	-0.57	8.00
2462MHz	Pass	4.56	-6.76	-6.76	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.56	-8.74	-8.74	8.00
2437MHz	Pass	4.56	-7.83	-7.83	8.00
2452MHz	Pass	4.56	-9.47	-9.47	8.00

DG = Directional Gain; RBW=3 kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_1TX **PSD**

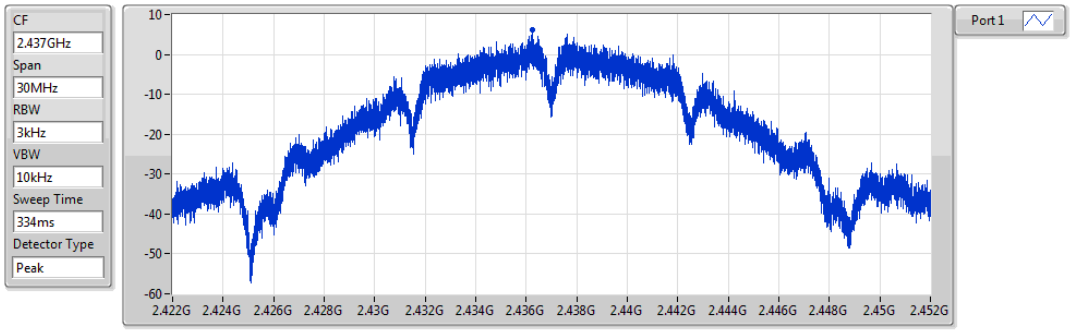
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.46	-0.46	-0.46

802.11b_Nss1,(1Mbps)_1TX **PSD**

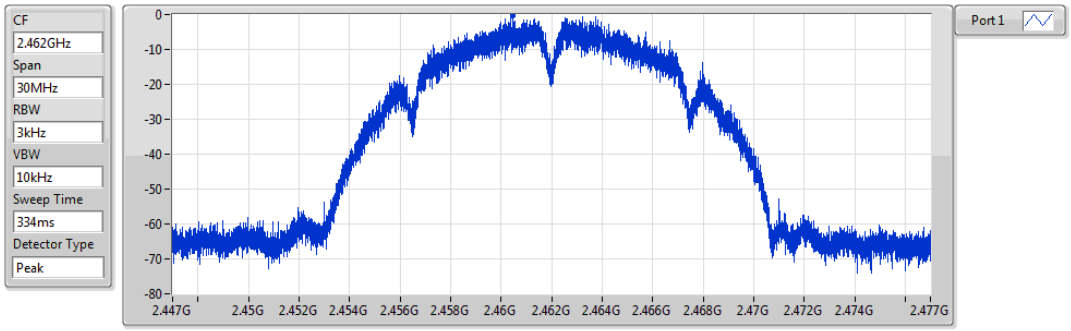
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
6.28	6.28	6.28

802.11b_Nss1,(1Mbps)_1TX **PSD**

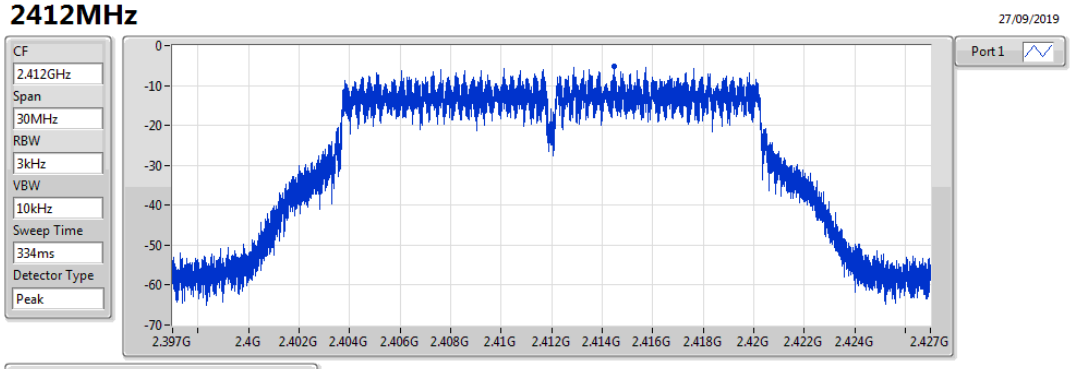
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.46	-0.46	-0.46

802.11g_Nss1,(6Mbps)_1TX **PSD**

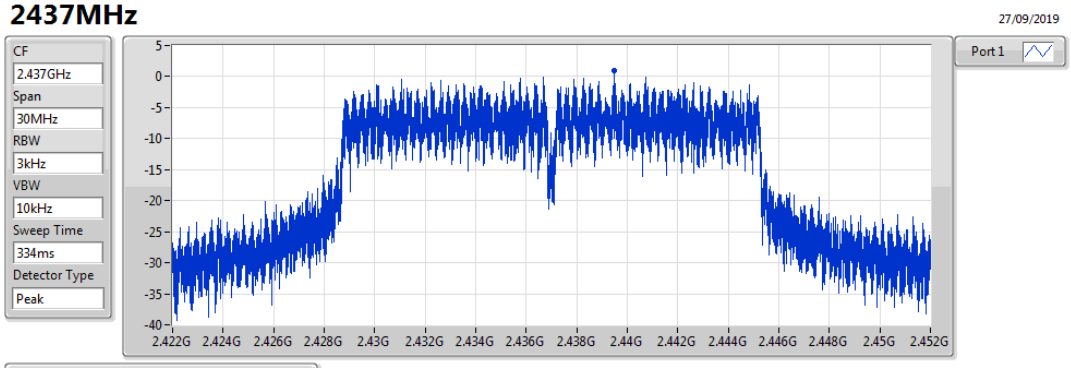
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.29	-5.29	-5.29

802.11g_Nss1,(6Mbps)_1TX **PSD**

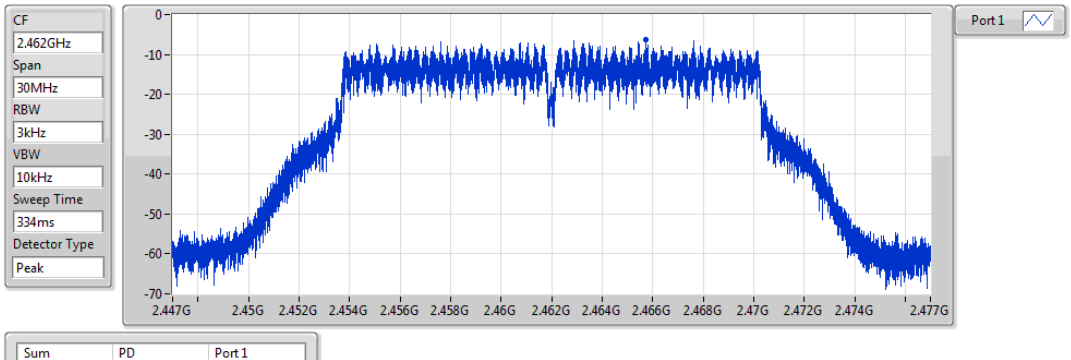
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.87	0.87	0.87

802.11g_Nss1,(6Mbps)_1TX **PSD**

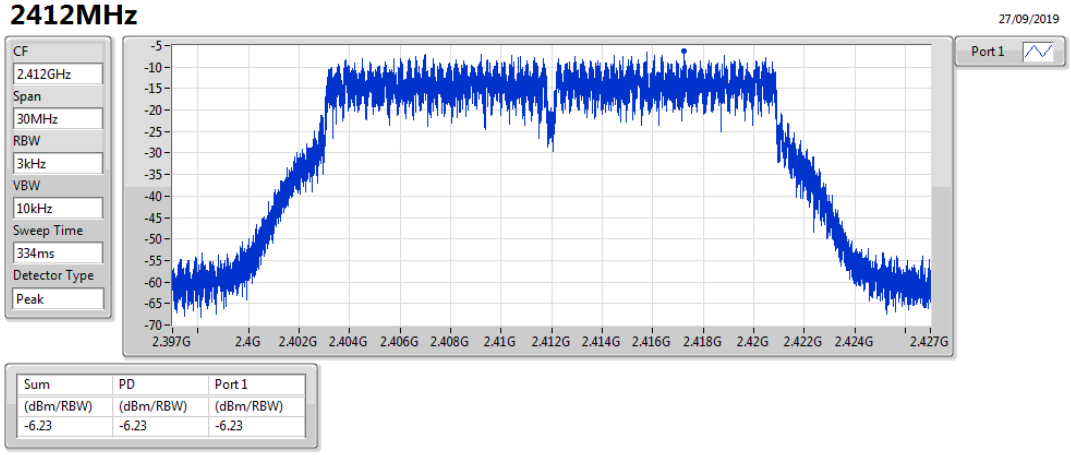
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.25	-6.25	-6.25

VHT20_Nss1,(MCS0)_1TX **PSD**

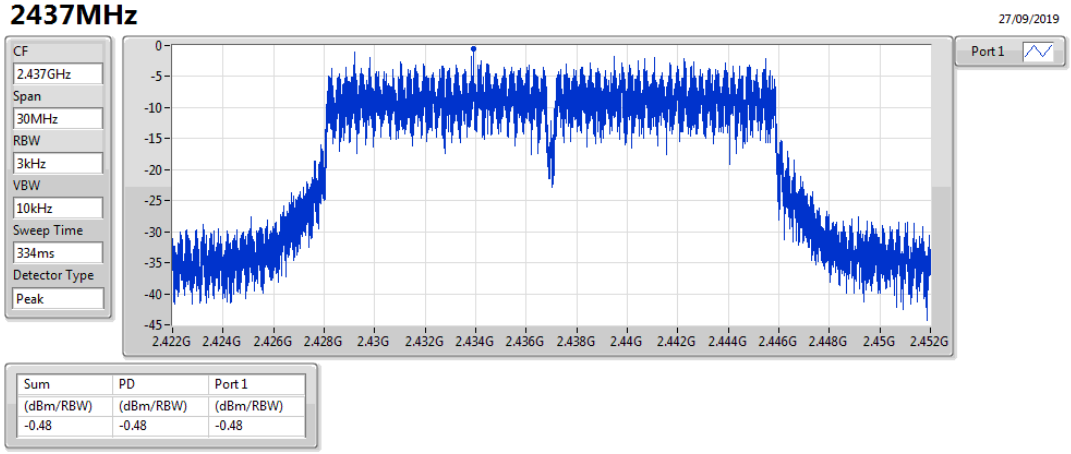
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.23	-6.23	-6.23

VHT20_Nss1,(MCS0)_1TX **PSD**

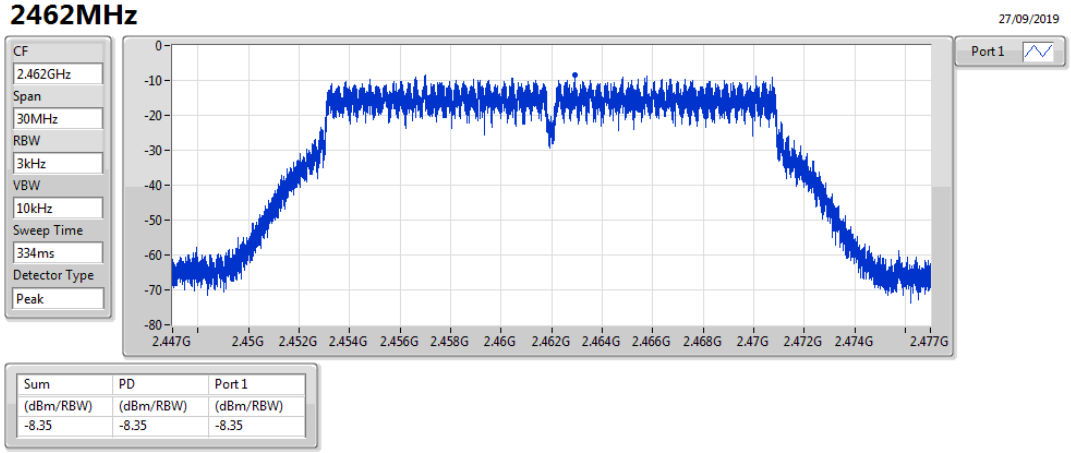
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.48	-0.48	-0.48

VHT20_Nss1,(MCS0)_1TX **PSD**

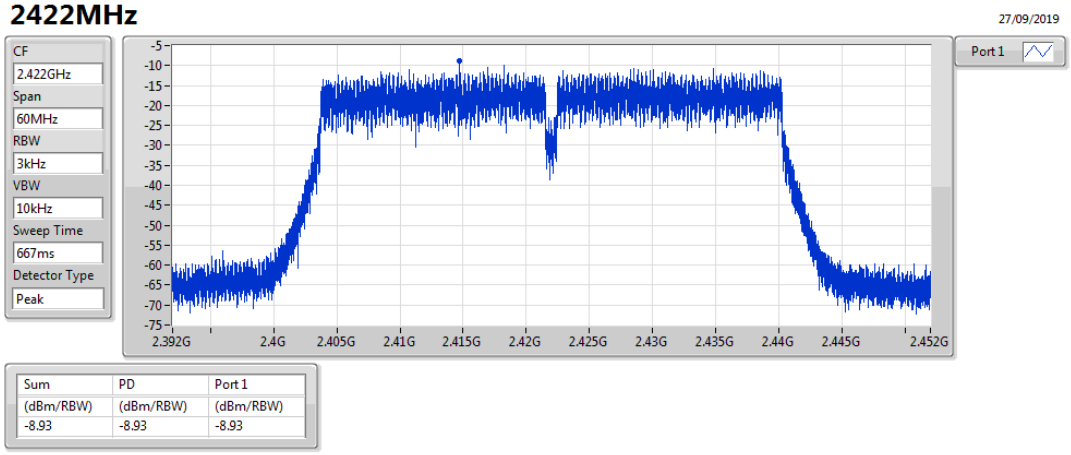
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.35	-8.35	-8.35

VHT40_Nss1,(MCS0)_1TX **PSD**

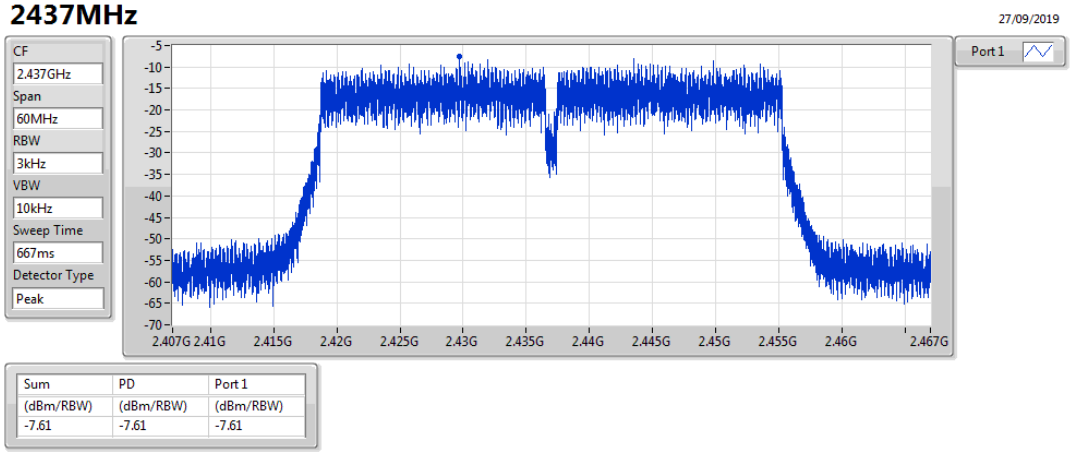
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.93	-8.93	-8.93

VHT40_Nss1,(MCS0)_1TX **PSD**

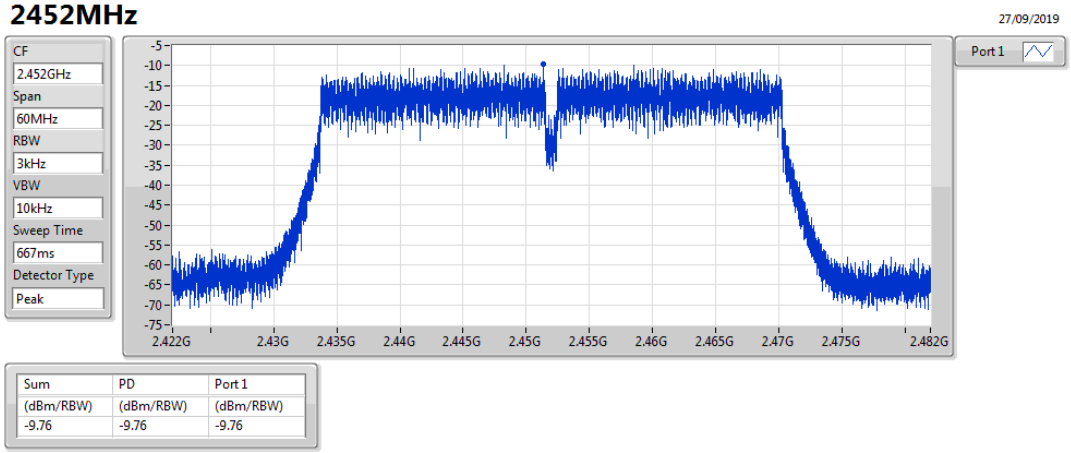
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.61	-7.61	-7.61

VHT40_Nss1,(MCS0)_1TX **PSD**

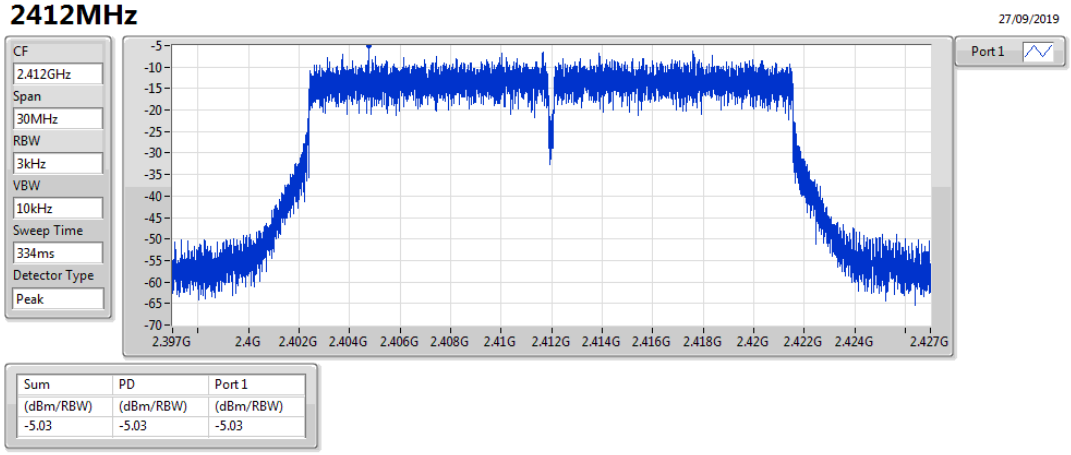
2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.76	-9.76	-9.76

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

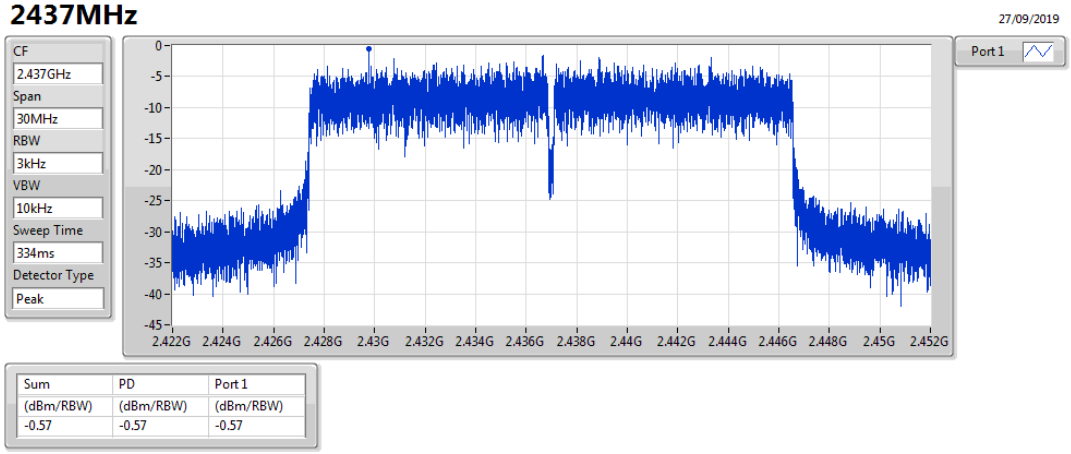
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.03	-5.03	-5.03

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

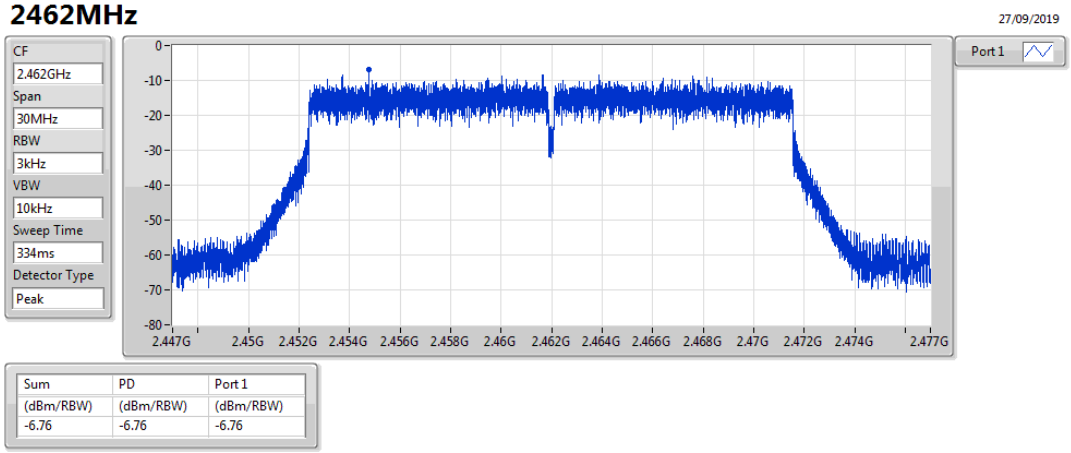
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.57	-0.57	-0.57

802.11ax HEW20_Nss1,(MCS0)_1TX **PSD**

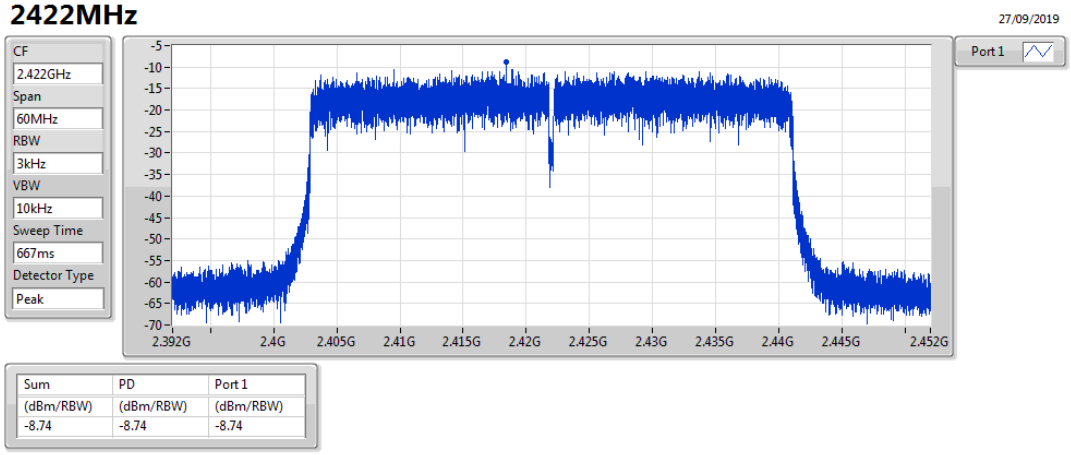
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.76	-6.76	-6.76

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

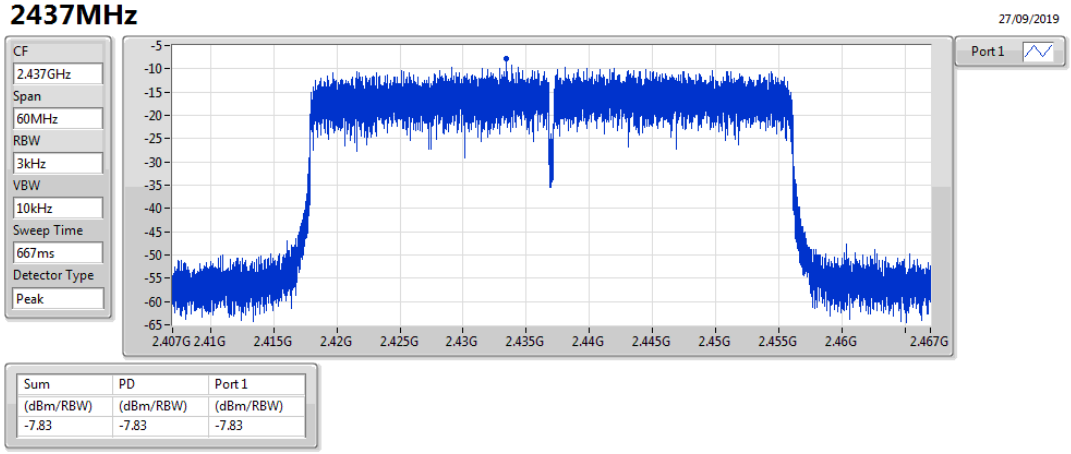
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.74	-8.74	-8.74

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

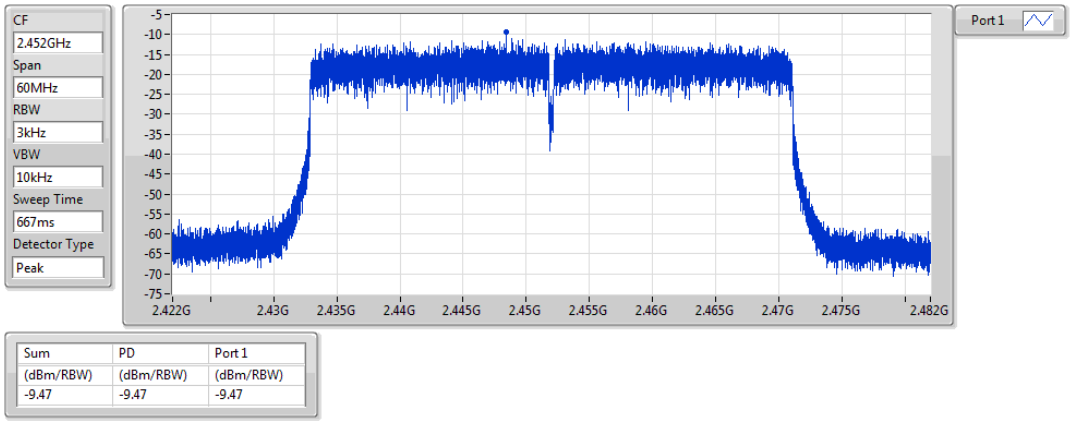
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.83	-7.83	-7.83

802.11ax HEW40_Nss1,(MCS0)_1TX **PSD**

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.47	-9.47	-9.47

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	4.96
802.11g_Nss1,(6Mbps)_2TX	2.70
VHT20_Nss2,(MCS0)_2TX	-1.22
VHT40_Nss2,(MCS0)_2TX	-6.15
802.11ax HEW20_Nss2,(MCS0)_2TX	-0.92
802.11ax HEW40_Nss2,(MCS0)_2TX	-7.47

RBW=3 kHz.

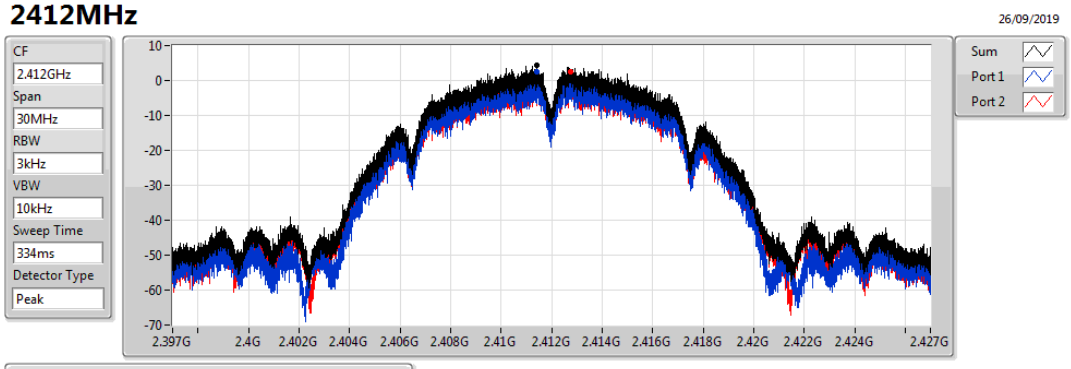
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.57	2.52	2.39	4.23	6.43
2437MHz	Pass	7.57	3.09	3.28	4.96	6.43
2462MHz	Pass	7.57	2.43	3.27	4.51	6.43
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.57	-6.63	-5.12	-3.03	6.43
2437MHz	Pass	7.57	-0.99	0.28	2.70	6.43
2462MHz	Pass	7.57	-7.60	-5.78	-4.43	6.43
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.56	-8.10	-7.78	-6.05	8.00
2437MHz	Pass	4.56	-2.67	-2.07	-1.22	8.00
2462MHz	Pass	4.56	-6.31	-6.37	-5.46	8.00
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.56	-11.47	-10.43	-8.51	8.00
2437MHz	Pass	4.56	-8.20	-8.18	-6.15	8.00
2452MHz	Pass	4.56	-11.11	-10.76	-9.84	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.56	-9.16	-8.69	-6.43	8.00
2437MHz	Pass	4.56	-3.75	-3.62	-0.92	8.00
2462MHz	Pass	4.56	-7.39	-7.15	-4.80	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.56	-10.93	-11.43	-8.21	8.00
2437MHz	Pass	4.56	-8.67	-8.55	-7.47	8.00
2452MHz	Pass	4.56	-10.91	-12.02	-8.48	8.00

DG = Directional Gain; RBW=3 kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; **Port X** = Port X power density;

802.11b_Nss1,(1Mbps)_2TX **PSD**

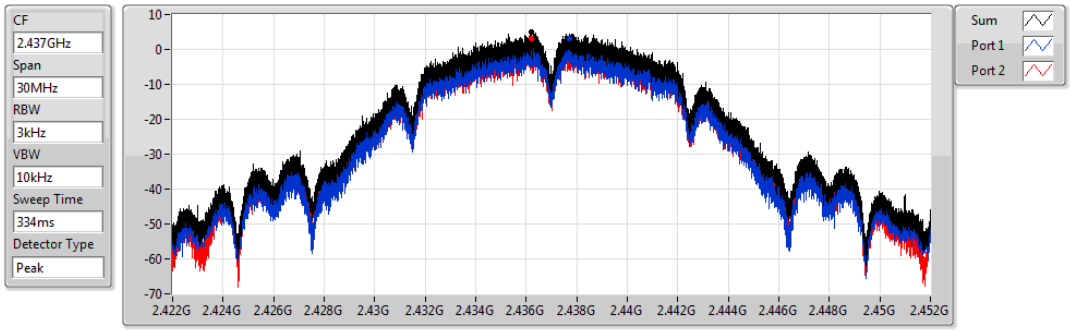
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.23	4.23	2.52	2.39

802.11b_Nss1,(1Mbps)_2TX **PSD**

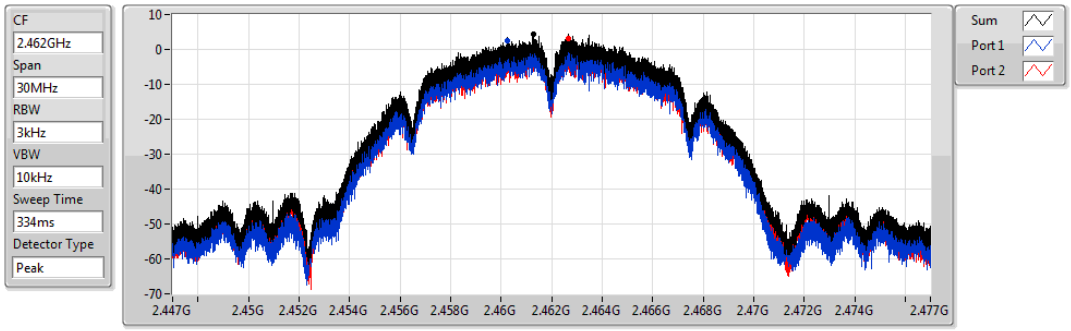
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.96	4.96	3.09	3.28

802.11b_Nss1,(1Mbps)_2TX **PSD**

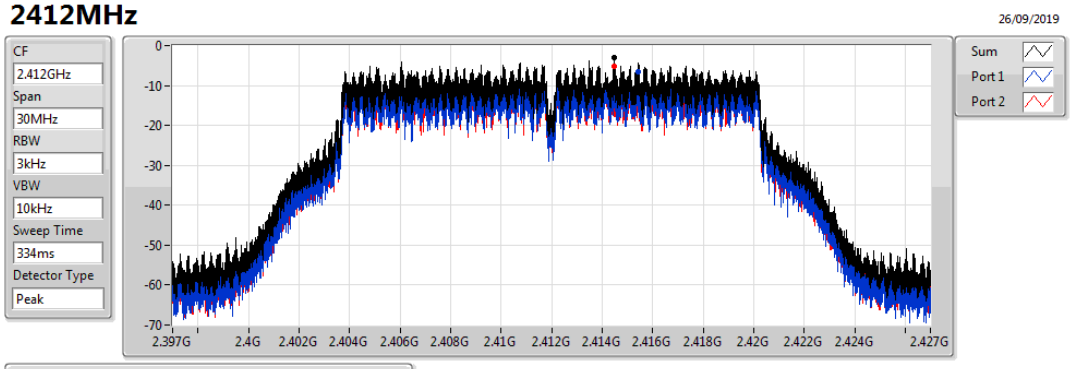
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
4.51	4.51	2.43	3.27

802.11g_Nss1,(6Mbps)_2TX **PSD**

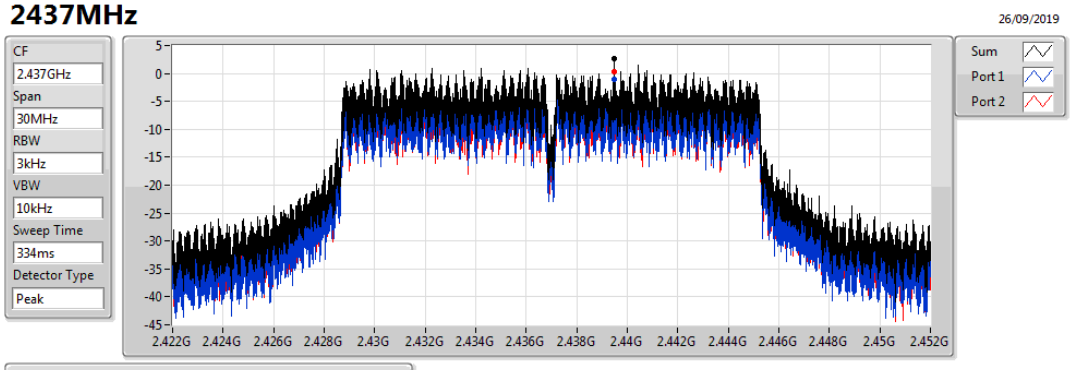
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.03	-3.03	-6.63	-5.12

802.11g_Nss1,(6Mbps)_2TX **PSD**

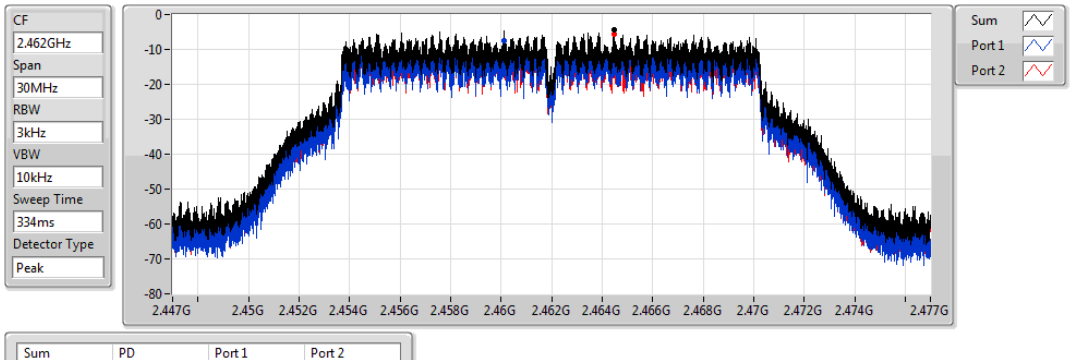
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.70	2.70	-0.99	0.28

802.11g_Nss1,(6Mbps)_2TX **PSD**

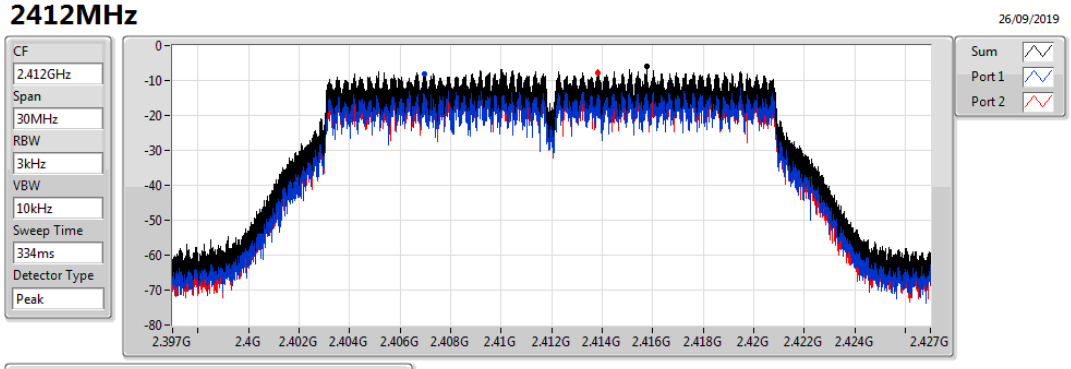
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.43	-4.43	-7.60	-5.78

VHT20_Nss2,(MCS0)_2TX PSD

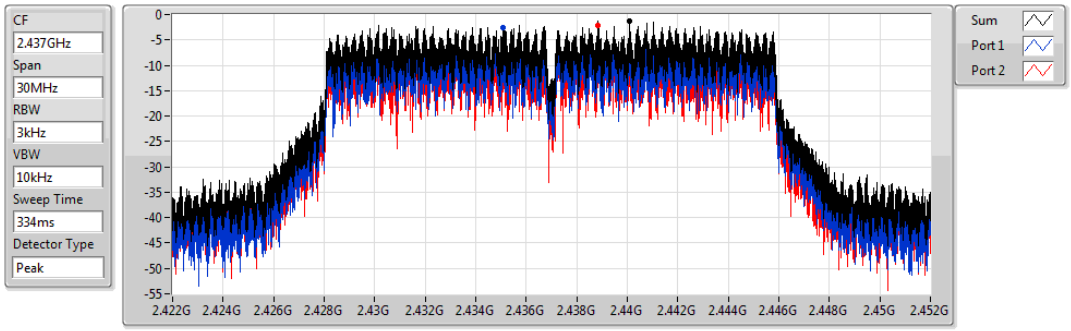
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.05	-6.05	-8.10	-7.78

VHT20_Nss2,(MCS0)_2TX PSD

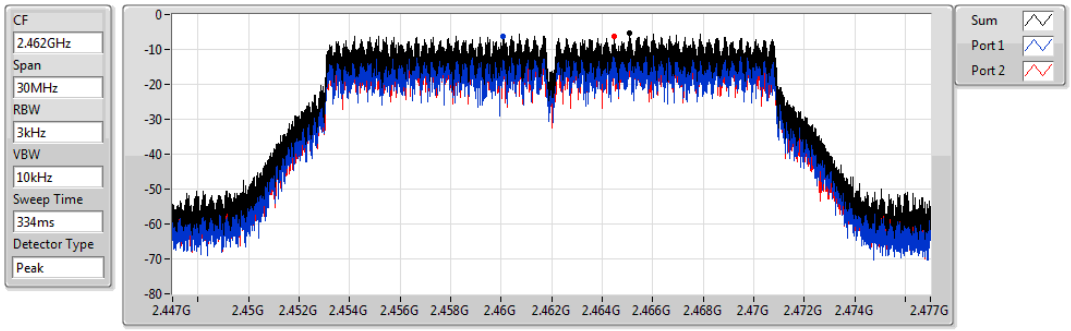
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.22	-1.22	-2.67	-2.07

VHT20_Nss2,(MCS0)_2TX PSD

2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.46	-5.46	-6.31	-6.37