RADIO TEST REPORT

FCC ID	:	QXO-AP410NB
Equipment	:	Wireless Access Point
Brand Name	:	Extreme networks or Extreme Networks
Model Name	:	AP410i
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 Sep. 23, 2019, and testing was started from Sep. 23, 2019 and completed on Oct. 26, 2021. We, Sporton International Inc. Hsinchu Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Sam Chen

Sporton International Inc. Hsinchu Laboratory
No.8, Ln. 724, Bo'ai St., Zhubei City, Hsinchu County 302010, Taiwan (R.O.C.)

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History of this test report

Report No.	Version	Description	Issued Date
FR970232-06AA	01	Initial issue of report	Nov. 15, 2021

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	-
Note1: Reference to Sporton Project No.: FR970232AC. Note2: This is a variant report by removing the external antenna, BT/Thread module. AC Conduction and Unwanted Emission below 1GHz was verified.				

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	2TX
2.4-2.4835GHz	VHT20	20	1TX, 2TX
2.4-2.4835GHz	VHT20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW20	20	1TX, 2TX
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11n HT40	40	1TX, 2TX
2.4-2.4835GHz	802.11n HT40-BF	40	2TX
2.4-2.4835GHz	VHT40	40	1TX, 2TX
2.4-2.4835GHz	VHT40-BF	40	2TX
2.4-2.4835GHz	802.11ax HEW40	40	1TX, 2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	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.

1.1.2 Antenna Information

Ant.	Brand	Model Number (P/N)	Antenna Type	Connector	Antenna Gain (dBi)		Remark
					WLAN 2.4GHz	WLAN 5GHz	
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

Beamforming Gain (dBi)		
2TX		4TX
WLAN 2.4GHz	WLAN 5GHz	WLAN 5GHz
3.01		6.02

Note: The above information was declared by manufacturer.

For Radio 1:
For IEEE 802.11/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 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.

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.

1.2 Applicable Standards

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

- 47 CFR FCC Part 15.247
- ANSI C63.10-2013

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

- FCC KDB 558074 D01 v05r02
- FCC KDB 662911 D01 v02r01
- FCC KDB 414788 D01 v01r01

1.3 Testing Location Information

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

Test Condition	Test Site No.	Test Engineer	Test Environment (°C / %)	Test Date
RF Conducted	TH01-CB	Owen Hsu	24.4~25.2 / 61~62	Sep. 26, 2019 ~ Oct. 30, 2019
Radiated<1GHz	03CH05-CB	Ken Yeh	23.9-24.8 / 55-59	Oct. 21, 2021
Radiated>1GHz	03CH04-CB	Bruce Yang	24.2~24.9 / 52~55	Sep. 23, 2019 ~ Oct. 25, 2019
AC Conduction	CO02-CB	Peter Wu	22~23 / 55~57	Oct. 26, 2021

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)

For Other test items:

Test Items	Uncertainty	Remark
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%

For AC Conduction and Radiated<1GHz:

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	2.0 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	4.2 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	5.5 dB	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

For Radio 1
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 Radio 3
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

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	EUT + Radio 1 (WLAN 2.4GHz) + Adapter
2	EUT + Radio 2 (WLAN 5GHz) + Adapter
3	EUT + Radio 3 (WLAN 2.4GHz) + Adapter
4	EUT + Radio 3 (WLAN 5GHz) + Adapter
Mode 2 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.	
5	EUT + Radio 2 (WLAN 5GHz) + PoE
For operating mode 2 is the worst case and it was record in this test report.	

The Worst Case Mode for Following Conformance Tests	
Tests Item	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

<table>
<tr><th colspan="4">The Worst Case Mode for Following Conformance Tests</th></tr>
<tr><td>Tests Item</td><td colspan="3">Emissions in Restricted Frequency Bands</td></tr>
<tr><td>Test Condition</td><td colspan="3">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.</td></tr>
<tr><td rowspan="2">Operating Mode < 1GHz</td><td colspan="3">CTX</td></tr>
<tr><td colspan="3">The EUT was performed at X axis, Y axis and Z axis position Emissions in Restricted Frequency Bands above 1GHz test, and the worst case was found at Z axis. So the measurement will follow this same test configuration.</td></tr>
<tr><td>1</td><td colspan="3">EUT at Z axis + Radio 1 (WLAN 2.4GHz) + Adapter</td></tr>
<tr><td>2</td><td colspan="3">EUT at Z axis + Radio 2 (WLAN 5GHz) + Adapter</td></tr>
<tr><td>3</td><td colspan="3">EUT at Z axis + Radio 3 (WLAN 2.4GHz) + Adapter</td></tr>
<tr><td>4</td><td colspan="3">EUT at Z axis + Radio 3 (WLAN 5GHz) + Adapter</td></tr>
<tr><td colspan="4">Mode 1 has been evaluated to be the worst case among Mode 1~4, thus measurement for Mode 5 will follow this same test mode.</td></tr>
<tr><td>5</td><td colspan="3">EUT at Z axis + Radio 1 (WLAN 2.4GHz) + PoE</td></tr>
<tr><td colspan="4">For operating mode 5 is the worst case and it was record in this test report.</td></tr>
<tr><td>Operating Mode > 1GHz</td><td colspan="3">CTX(for more details refer note 1)</td></tr>
<tr><td colspan="4">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:</td></tr>
<tr><td colspan="2">Item</td><td>1TX</td><td>2TX</td></tr>
<tr><td rowspan="2">Radio 1</td><td>Radiated</td><td rowspan="2">X axis</td><td>Z axis</td></tr>
<tr><td>Bandedge</td><td>X axis</td></tr>
<tr><td rowspan="2">Radio 3</td><td>Radiated</td><td rowspan="2">Y axis</td><td>Z axis</td></tr>
<tr><td>Bandedge</td><td>Y axis</td></tr>
</table>

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)
2	Radio 1 + Radio 2 + Radio 3 (5GHz)
Refer to Sporton Test Report No.: FA970232-06 for Co-location RF Exposure Evaluation.	

Note: 1.Test Mode:

Test Item	Radio 1 / Radio 3									
	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*1

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	Adapter	Powertron Electronics	PA1024-120IB200	N/A

For Radiated (below 1GHz):

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

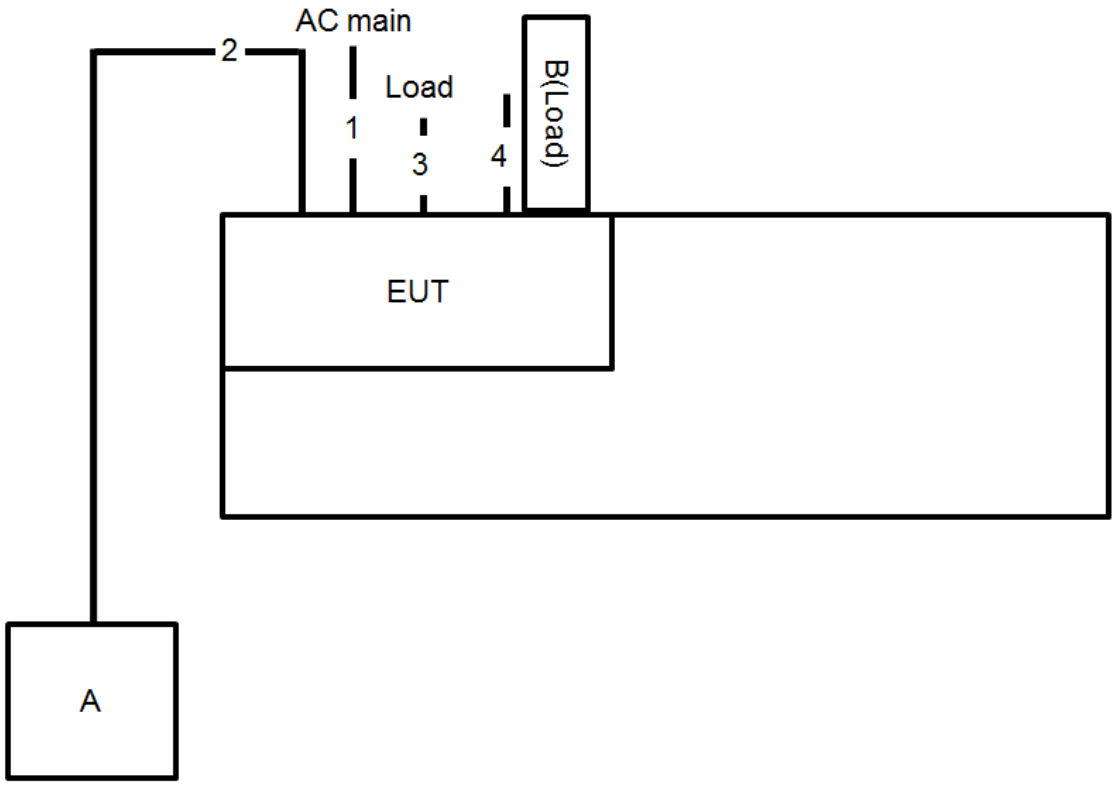
Support Equipment				
No.	**Equipment**	**Brand**	**Model Name**	**FCC ID**
A	Notebook	DELL	E4300	N/A
B	WLAN AP	Extreme Networks, Inc.	AP460i/e	N/A
C	Notebook	DELL	E4300	N/A
E	Adapter	Powertron Electronics Corp.	PA1024-120IB200	N/A

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

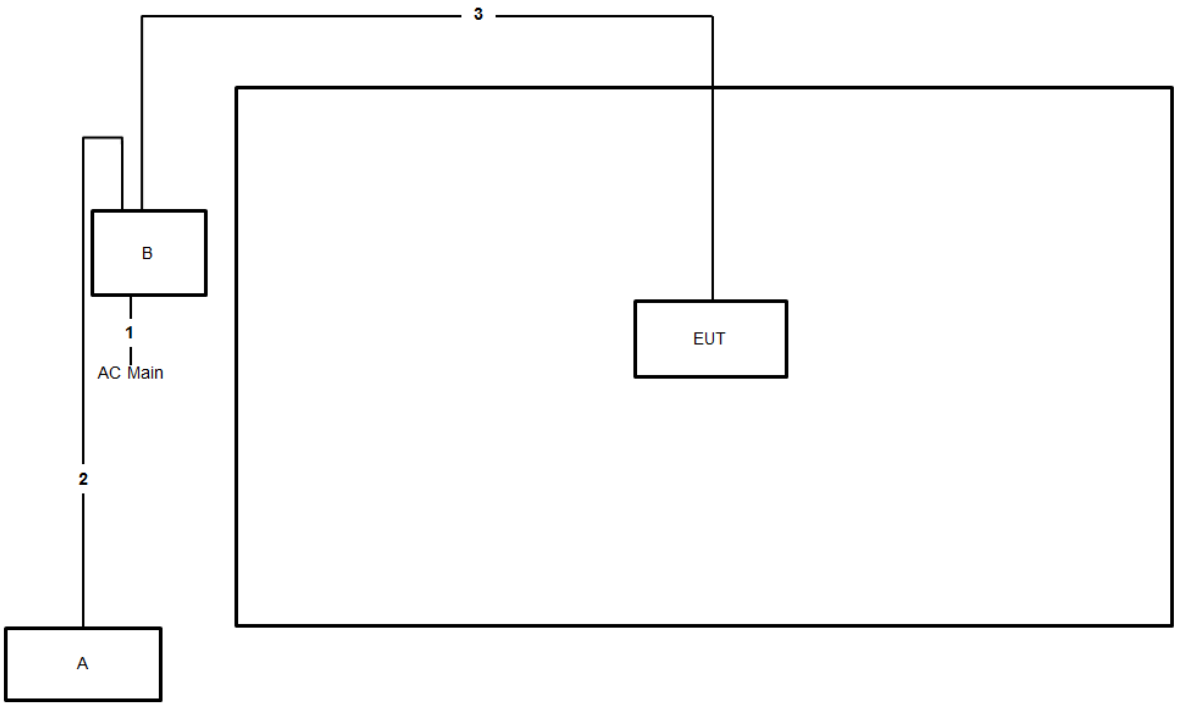
2.6 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test



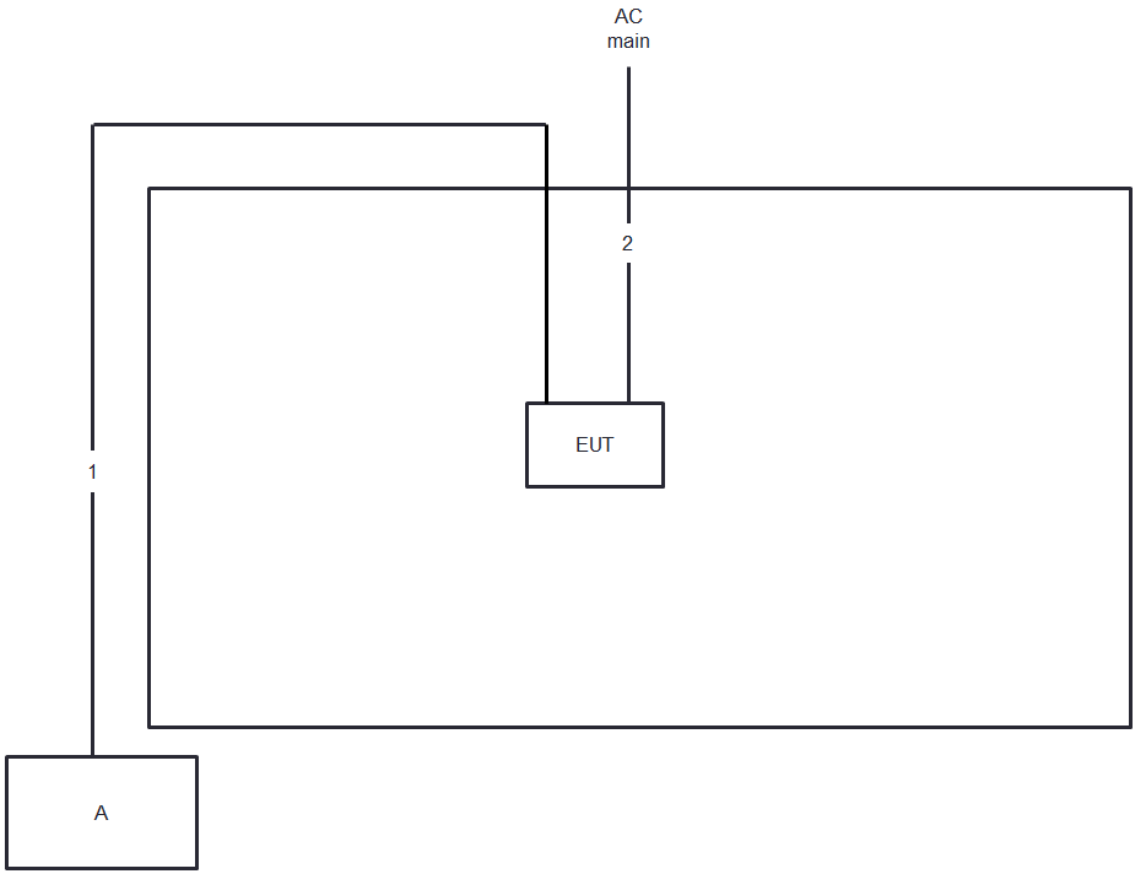
Item	Connection	Shielded	Length
1	Power cable	No	1.5m
2	RJ-45 cable	No	10m
3	RJ-45 cable	No	1.5m
4	Console cable	No	1.5m

Test Setup Diagram - Radiated Test < 1GHz



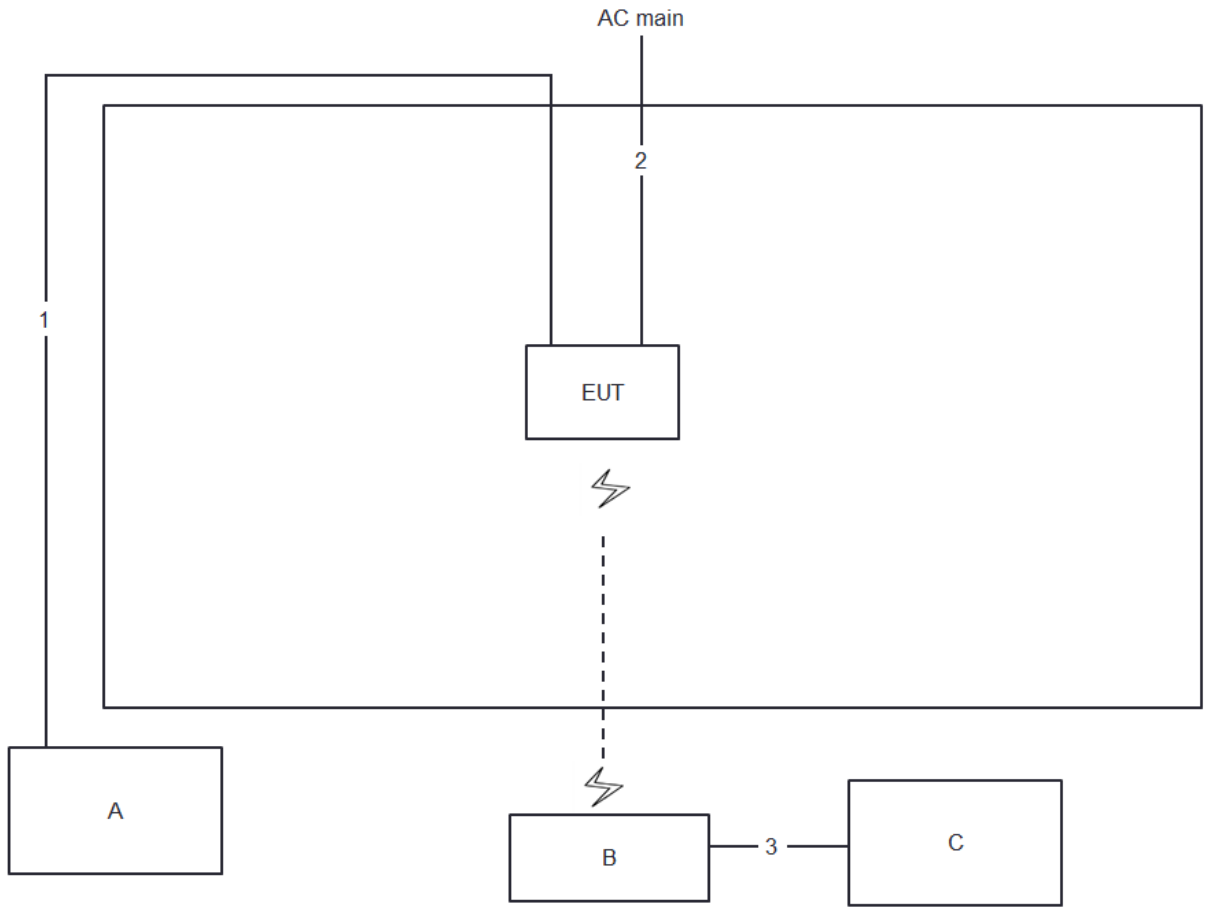
Item	Connection	Shielded	Length
1	Power cable	No	0.5m
2	RJ-45 cable	No	1m
3	RJ-45 cable	No	10m

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

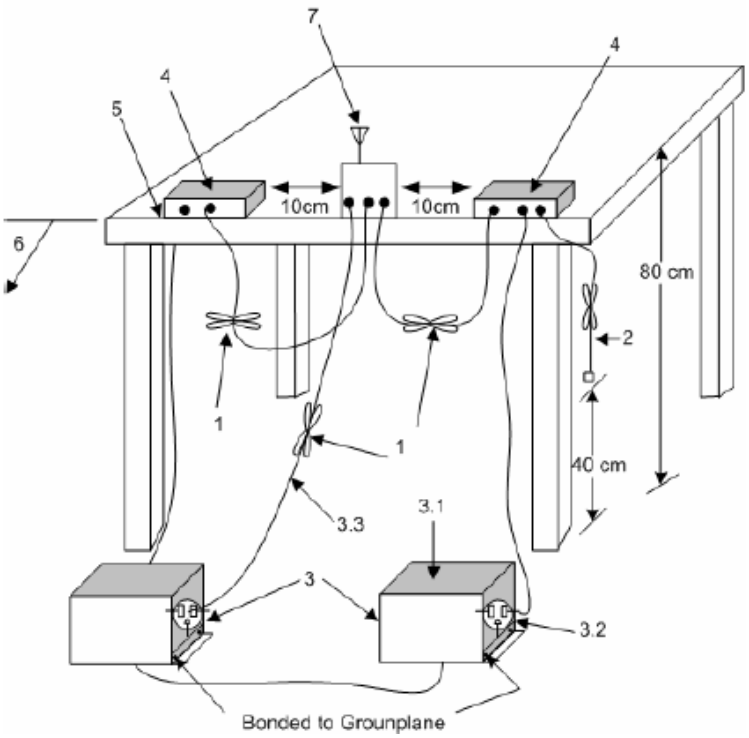
Refer a test equipment and calibration data table in this test report.

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 Measurement Results Calculation

The measured Level is calculated using:

a. Corrected Reading: LISN Factor (LISN) + Attenuator (AT/AUX) + Cable Loss (CL) + Read Level (Raw) = Level

b. Margin = -Limit + Level

3.1.6 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.

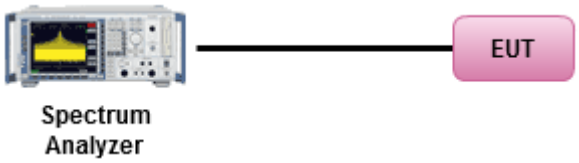
3.2.2 Measuring Instruments

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

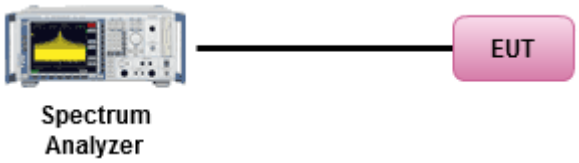
3.4.2 Measuring Instruments

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 Method Max. PSD.	
▪ 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.	

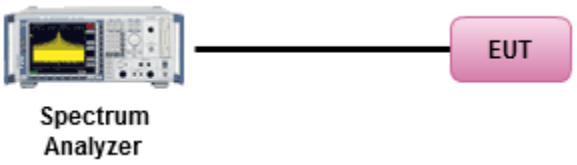
3.5.2 Measuring Instruments

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.

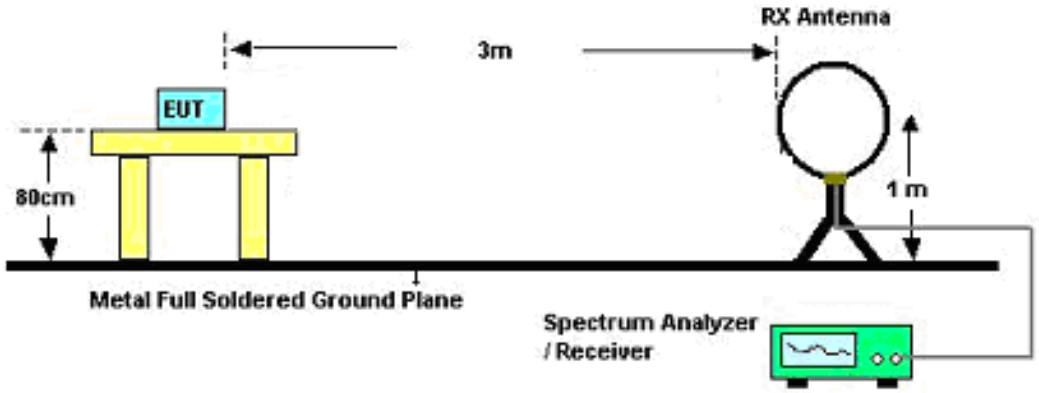
3.6.3 Test Procedures

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.		

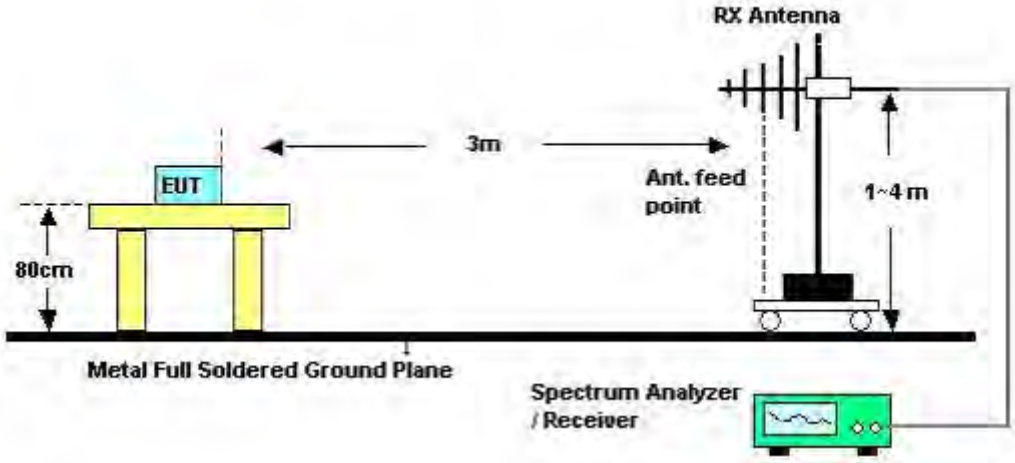
3.6.4 Test Setup

Radiated - Emissions in Restricted Frequency Bands

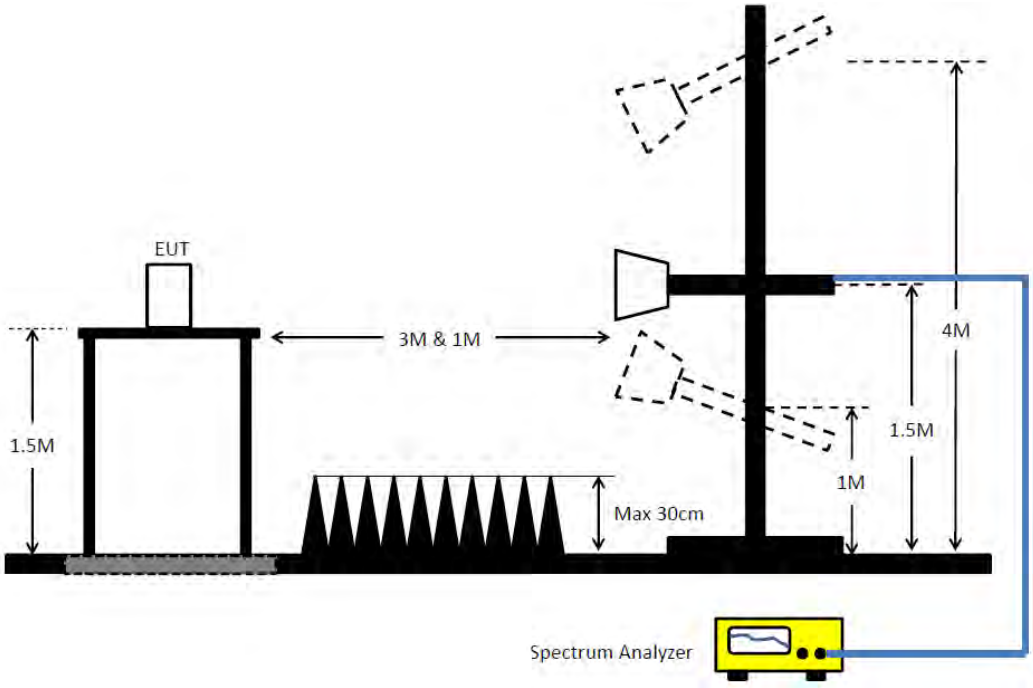
9kHz ~30MHz



30MHz~1GHz



Above 1GHz



3.6.5 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Antenna factor (AF) + Cable loss (CL) + Read level (Raw) - Preamp factor (PA)(if applicable) = 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 10th 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	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
LISN	Schwarzbeck	NSLK 8127	8127650	9kHz ~ 30MHz	Dec. 04, 2020	Dec. 03, 2021	Conduction (CO02-CB)
LISN	Schwarzbeck	NSLK 8127	8127478	9kHz ~ 30MHz	Nov. 20, 2020	Nov. 19, 2021	Conduction (CO02-CB)
EMI Receiver	Agilent	N9038A	MY52260140	9kHz ~ 8.4GHz	May 05, 2021	May 04, 2022	Conduction (CO02-CB)
Pulse Limiter	Schwarzbeck	VTSD 9561F-N	00378	9kHz ~ 30MHz	Mar. 18, 2021	Mar. 17, 2022	Conduction (CO02-CB)
COND Cable	Woken	Cable	2	0.15MHz ~ 30MHz	Oct. 19, 2021	Oct. 18, 2022	Conduction (CO02-CB)
Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conduction (CO02-CB)
Loop Antenna	Teseq	HLA 6120	24155	9kHz - 30 MHz	Apr. 14, 2021	Apr. 13, 2022	Radiation (03CH05-CB)
3m Semi Anechoic Chamber NSA	TDK	SAC-3M	03CH05-CB	30 MHz ~ 1 GHz	Aug. 09, 2021	Aug. 08, 2022	Radiation (03CH05-CB)
Bilog Antenna with 6dB Attenuator	TESEQ & EMCI	CBL 6112D & N-6-06	35236 & AT-N0610	30MHz ~ 2GHz	Mar. 26, 2021	Mar. 25, 2022	Radiation (03CH05-CB)
Pre-Amplifier	EMCI	EMC330N	980331	20MHz ~ 3GHz	Apr. 27, 2021	Apr. 26, 2022	Radiation (03CH05-CB)
Spectrum Analyzer	R&S	FSP40	100304	9kHz ~ 40GHz	Nov. 10, 2020	Nov. 09, 2021	Radiation (03CH05-CB)
EMI Test Receiver	R&S	ESCS	826547/017	9kHz ~ 2.75GHz	Jun. 21, 2021	Jun. 20, 2022	Radiation (03CH05-CB)
RF Cable-low	Woken	RG402	Low Cable-04+23	30MHz~1GHz	Oct. 04, 2021	Oct. 03, 2022	Radiation (03CH05-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	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)

Instrument	Brand	Model No.	Serial No.	Characteristics	Calibration Date	Calibration Due Date	Remark
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)
RF Cable-high	Woken	RG402	High Cable-40G#2	18GHz ~ 40 GHz	Jul. 24, 2019	Jul. 23, 2020	Radiation (03CH04-CB)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	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)
Test Software	SPORTON	SENSE	V5.10	-	N.C.R.	N.C.R.	Conducted (TH01-CB)

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

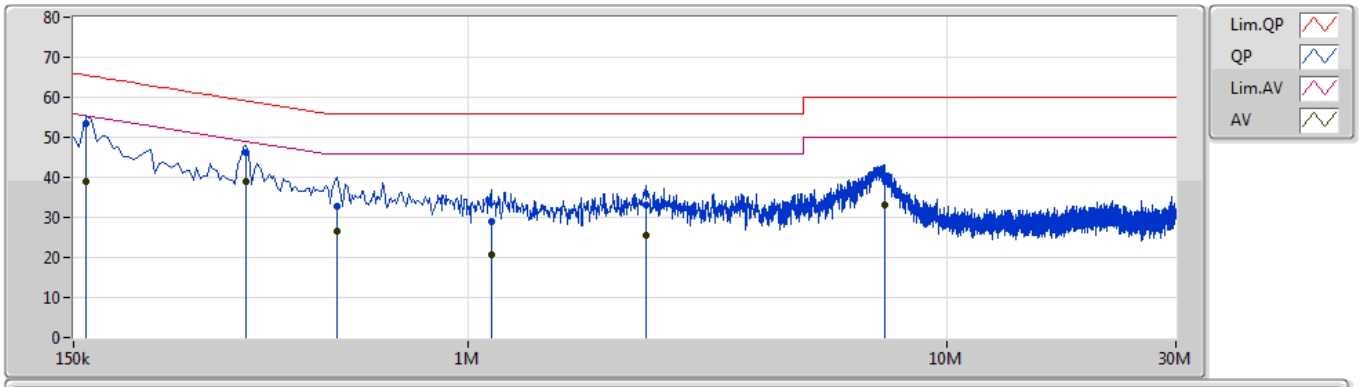
N.C.R. means Non-Calibration required.

Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 2	Pass	AV	339k	41.46	49.23	-7.77	Neutral

Mode 2

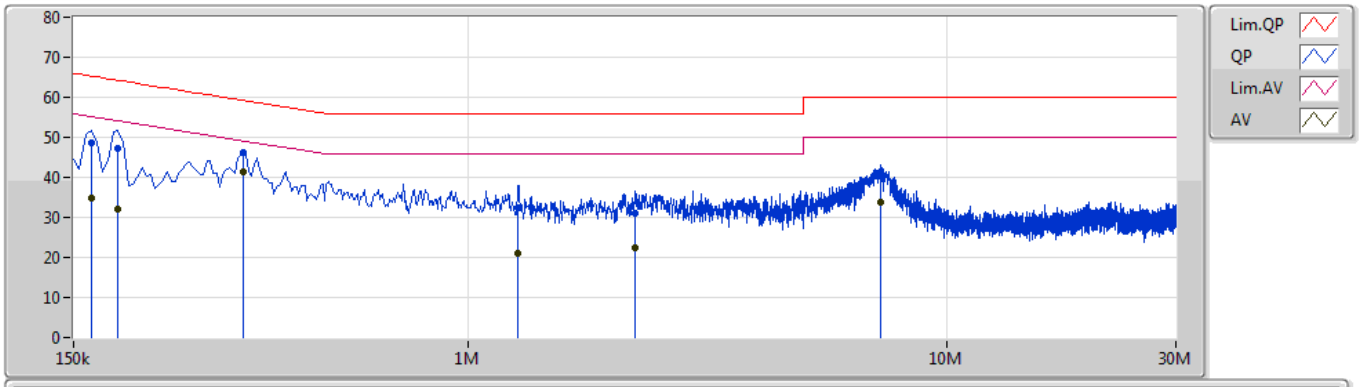
26/10/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159k	53.56	65.52	-11.96	10.24	Line	-	43.32	0.07	0.02	10.15
AV	159k	38.99	55.52	-16.53	10.24	Line	-	28.75	0.07	0.02	10.15
QP	343.5k	46.07	59.12	-13.05	10.22	Line	-	35.85	0.08	0.02	10.12
AV	343.5k	38.85	49.12	-10.27	10.22	Line	"Worst"	28.63	0.08	0.02	10.12
QP	532.5k	32.92	56.00	-23.08	10.21	Line	-	22.71	0.08	0.02	10.11
AV	532.5k	26.71	46.00	-19.29	10.21	Line	-	16.50	0.08	0.02	10.11
QP	1.118M	28.84	56.00	-27.16	10.21	Line	-	18.63	0.09	0.02	10.10
AV	1.118M	20.81	46.00	-25.19	10.21	Line	-	10.60	0.09	0.02	10.10
QP	2.346M	32.97	56.00	-23.03	10.29	Line	-	22.68	0.12	0.05	10.12
AV	2.346M	25.53	46.00	-20.47	10.29	Line	-	15.24	0.12	0.05	10.12
QP	7.395M	40.12	60.00	-19.88	10.41	Line	-	29.71	0.23	0.07	10.11
AV	7.395M	33.11	50.00	-16.89	10.41	Line	-	22.70	0.23	0.07	10.11

Mode 2

26/10/2021



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.5k	48.79	65.27	-16.48	10.23	Neutral	-	38.56	0.06	0.02	10.15
AV	163.5k	34.80	55.27	-20.47	10.23	Neutral	-	24.57	0.06	0.02	10.15
QP	186k	47.32	64.20	-16.88	10.24	Neutral	-	37.08	0.06	0.02	10.16
AV	186k	31.95	54.20	-22.25	10.24	Neutral	-	21.71	0.06	0.02	10.16
QP	339k	46.07	59.23	-13.16	10.20	Neutral	-	35.87	0.06	0.02	10.12
AV	339k	41.46	49.23	-7.77	10.20	Neutral	"Worst"	31.26	0.06	0.02	10.12
QP	1.271M	32.43	56.00	-23.57	10.22	Neutral	-	22.21	0.08	0.03	10.11
AV	1.271M	20.98	46.00	-25.02	10.22	Neutral	-	10.76	0.08	0.03	10.11
QP	2.234M	30.95	56.00	-25.05	10.27	Neutral	-	20.68	0.09	0.05	10.13
AV	2.234M	22.27	46.00	-23.73	10.27	Neutral	-	12.00	0.09	0.05	10.13
QP	7.278M	40.31	60.00	-19.69	10.37	Neutral	-	29.94	0.19	0.07	10.11
AV	7.278M	33.63	50.00	-16.37	10.37	Neutral	-	23.26	0.19	0.07	10.11

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

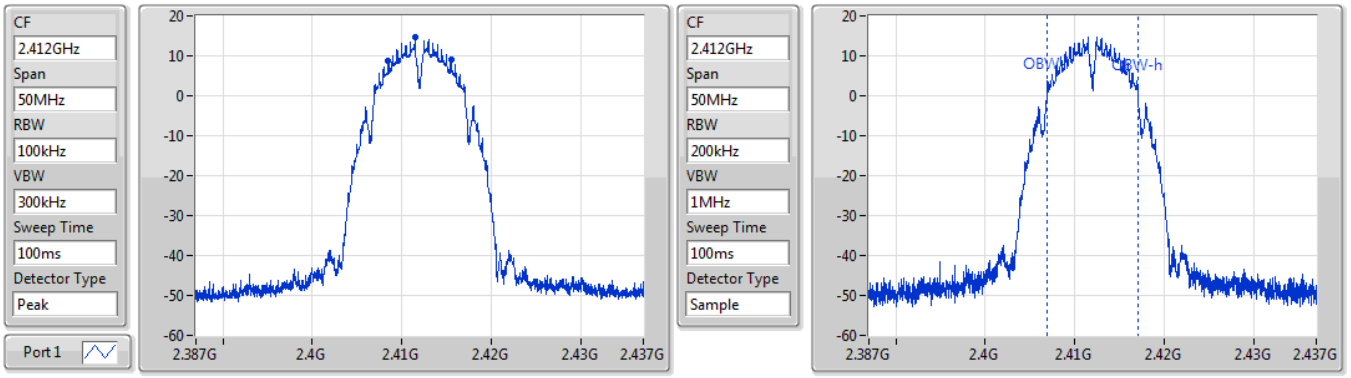
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7M	10.17M
2437MHz	Pass	500k	9.025M	14.493M
2462MHz	Pass	500k	7.525M	10.22M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.617M
2437MHz	Pass	500k	16.325M	19.115M
2462MHz	Pass	500k	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

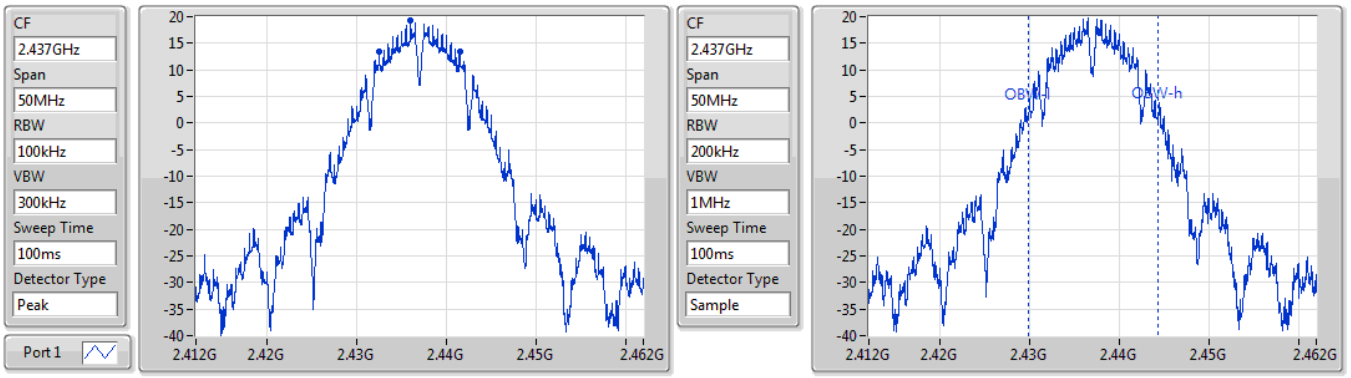


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4085G	2.4155G	10.17M	2.406903G	2.417072G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

26/09/2019

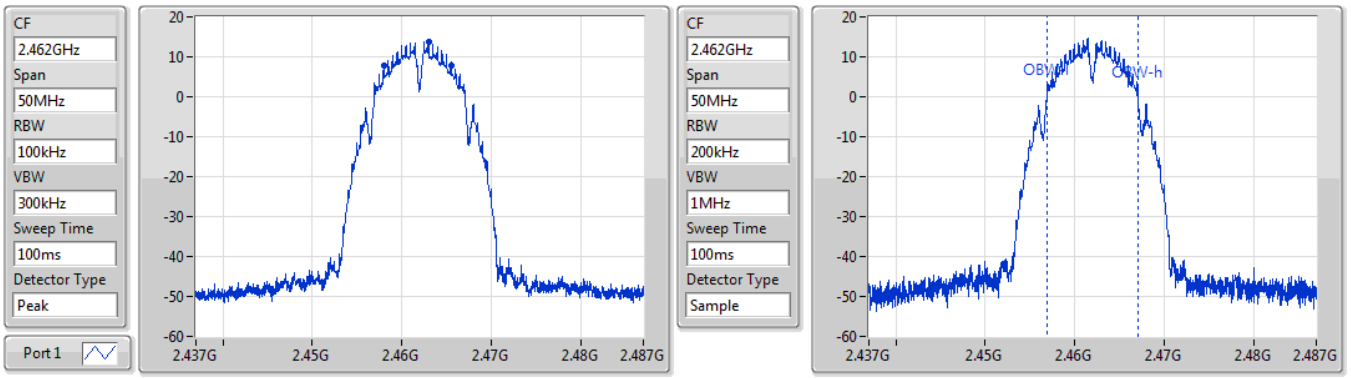


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
9.025M	2.432475G	2.4415G	14.493M	2.429779G	2.444271G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

26/09/2019

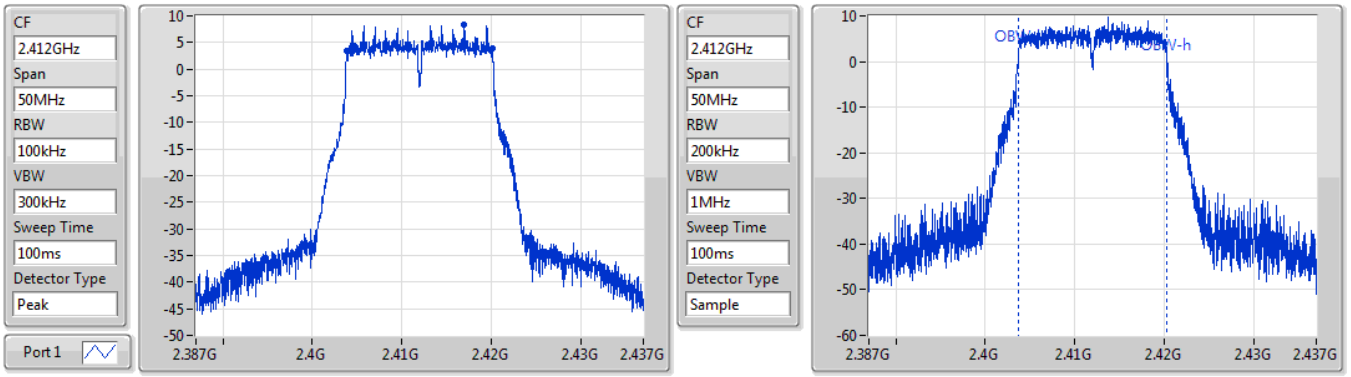


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.458G	2.465525G	10.22M	2.456878G	2.467097G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

27/09/2019

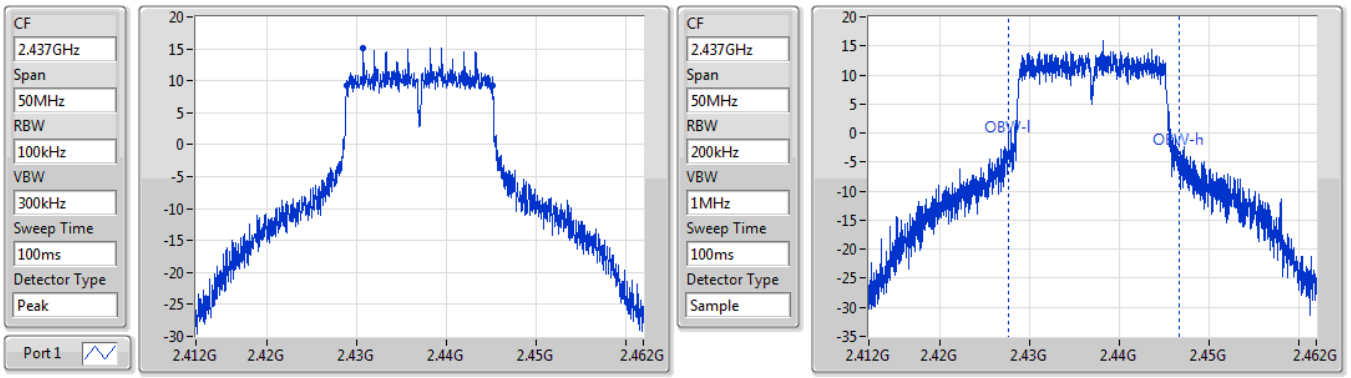


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.617M	2.403679G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

27/09/2019

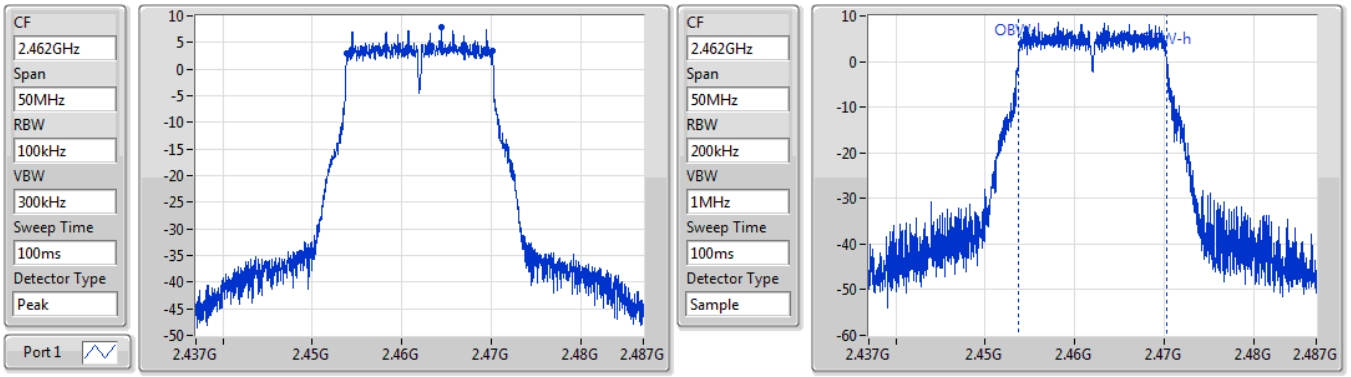


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	19.115M	2.42753G	2.446645G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

27/09/2019

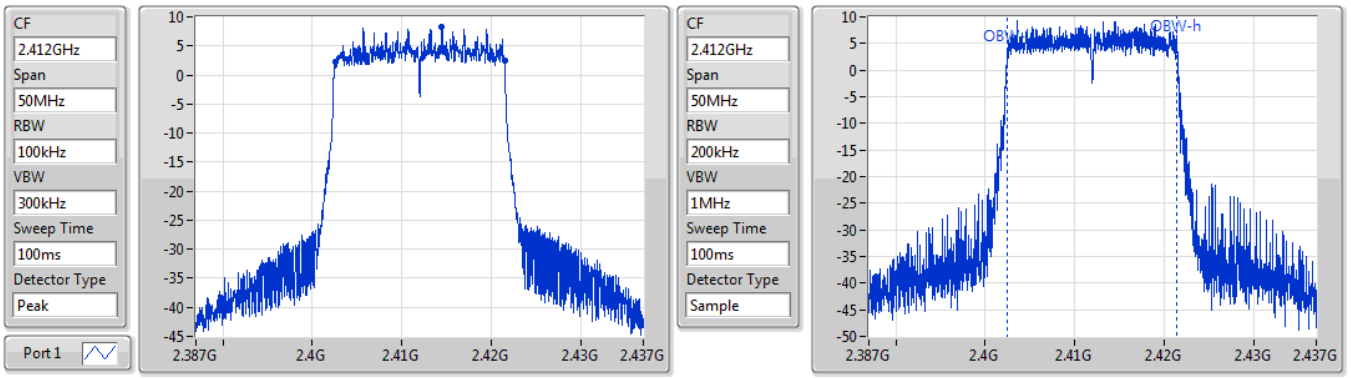


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.617M	2.453679G	2.470296G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2412MHz

27/09/2019

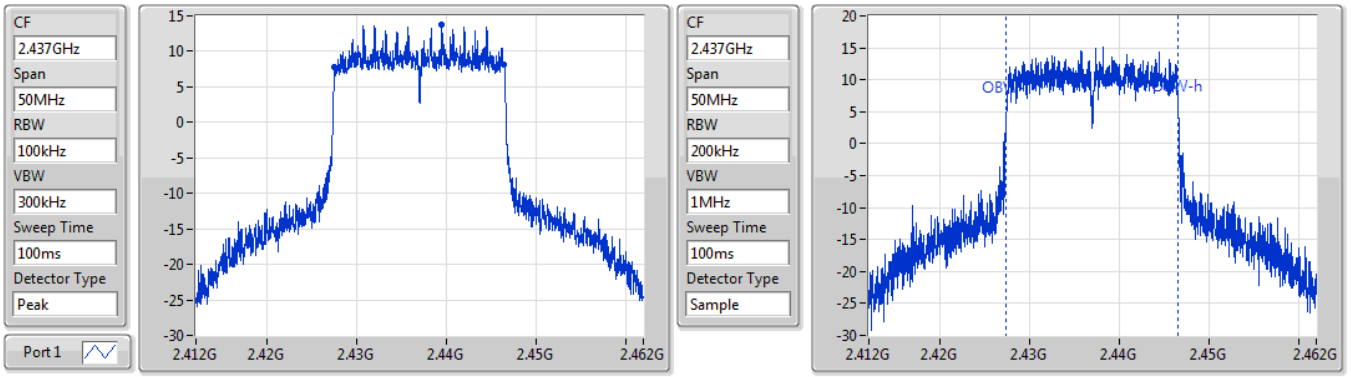


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.40255G	2.421475G	18.991M	2.40248G	2.42147G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2437MHz

27/09/2019

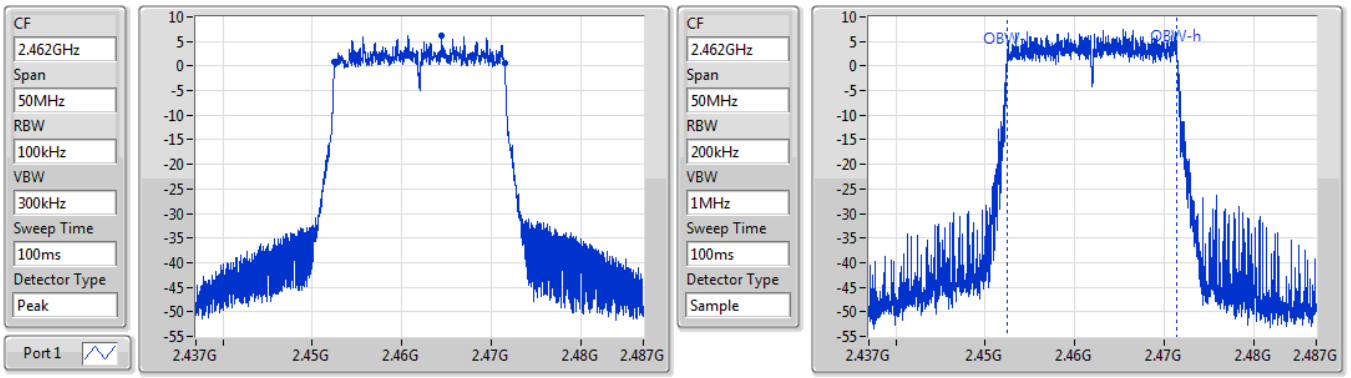


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.427475G	2.44645G	19.19M	2.42738G	2.44657G	500k	1

802.11ax HEW20_Nss1,(MCS0)_1TX EBW

2462MHz

27/09/2019

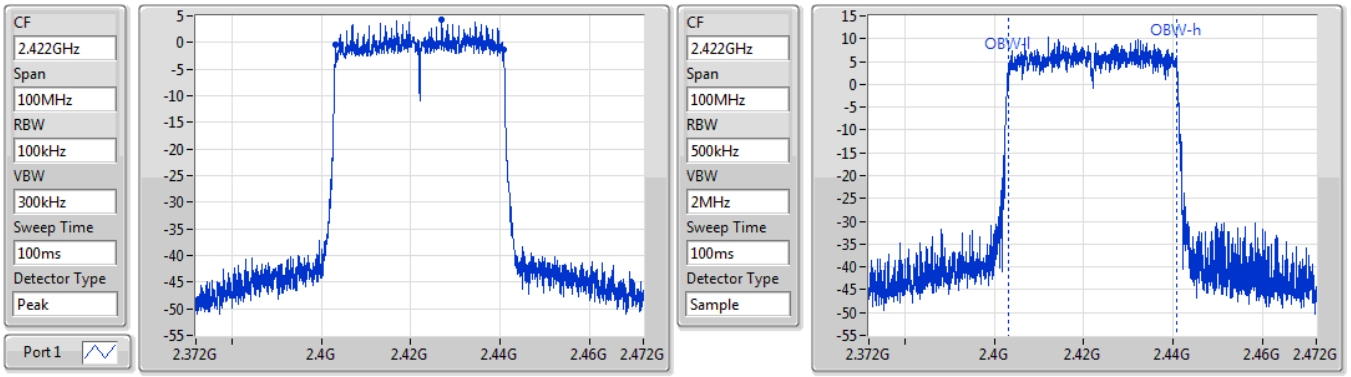


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.966M	2.45248G	2.471445G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2422MHz

27/09/2019

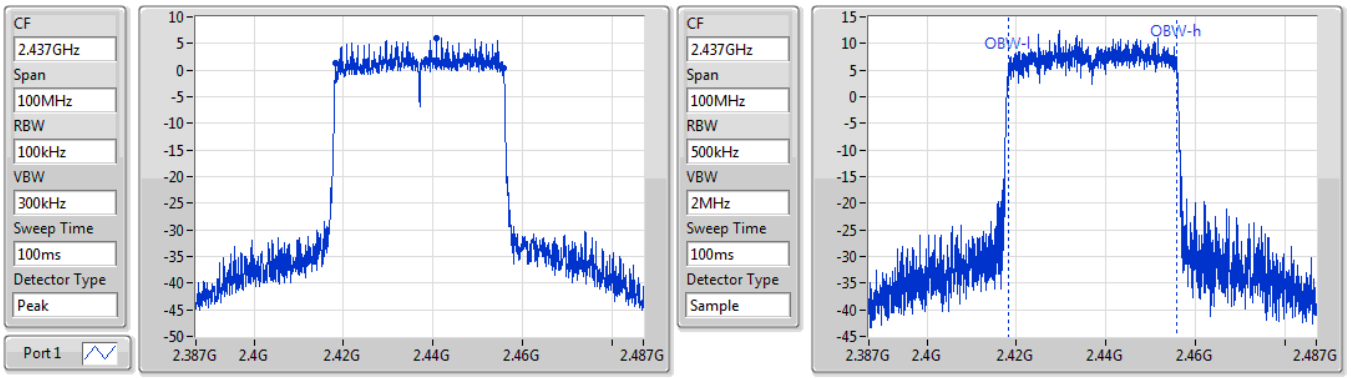


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.4032G	2.4407G	37.581M	2.403209G	2.440791G	500k	1

802.11ax HEW40_Nss1,(MCS0)_1TX EBW

2437MHz

27/09/2019

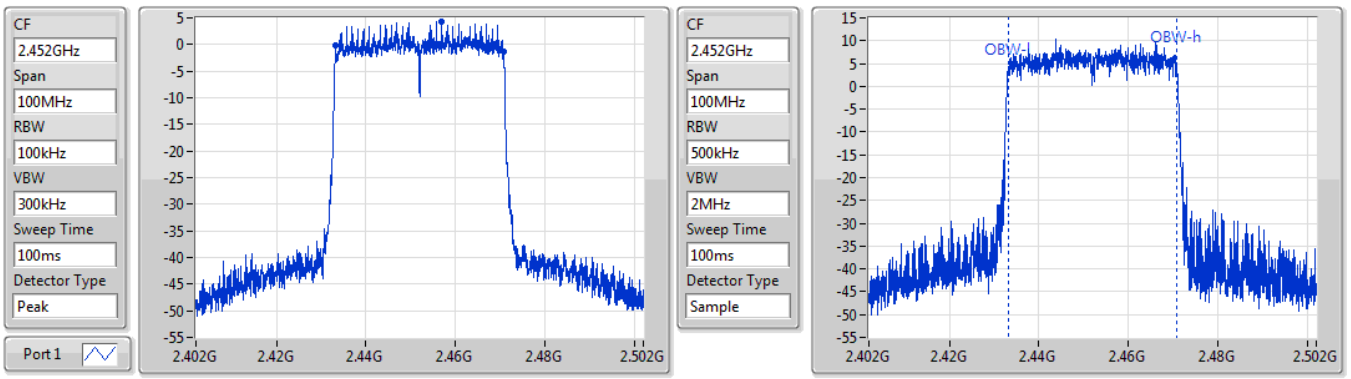


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.41825G	2.4557G	37.531M	2.418259G	2.455791G	500k	1

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

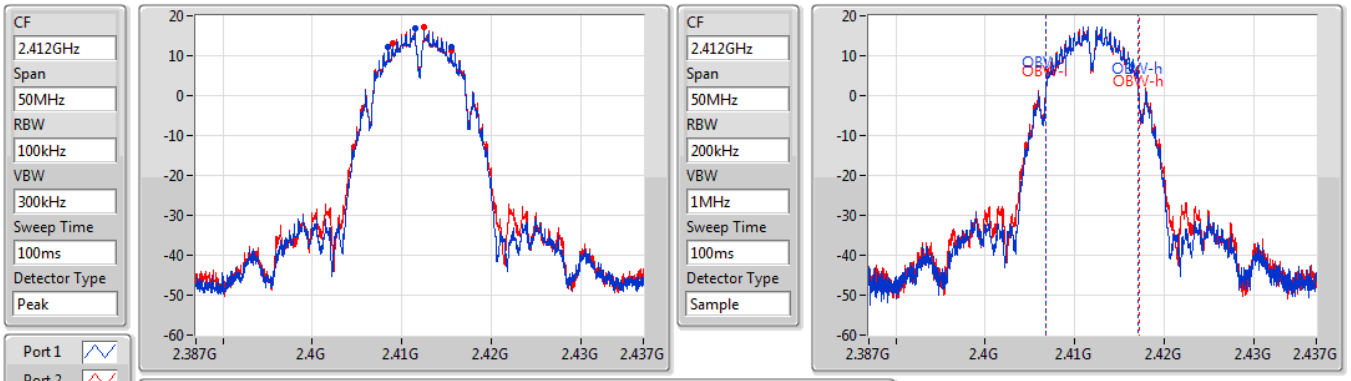
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.32M	6.55M	10.545M
2437MHz	Pass	500k	7.55M	11.744M	7.05M	11.969M
2462MHz	Pass	500k	7.025M	10.42M	7.025M	10.57M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
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

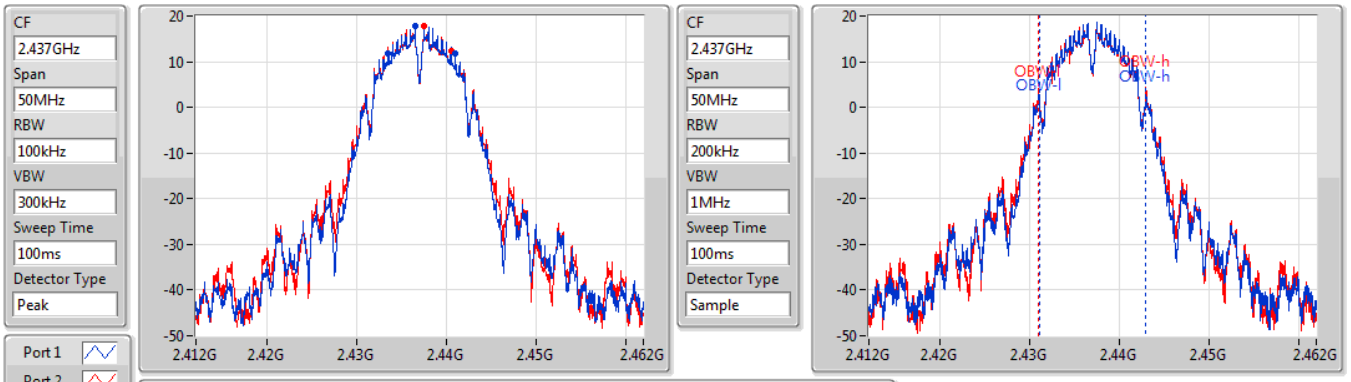


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.408475G	2.4155G	10.32M	2.406828G	2.417147G	500k	1
6.55M	2.40895G	2.4155G	10.545M	2.406728G	2.417272G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

26/09/2019

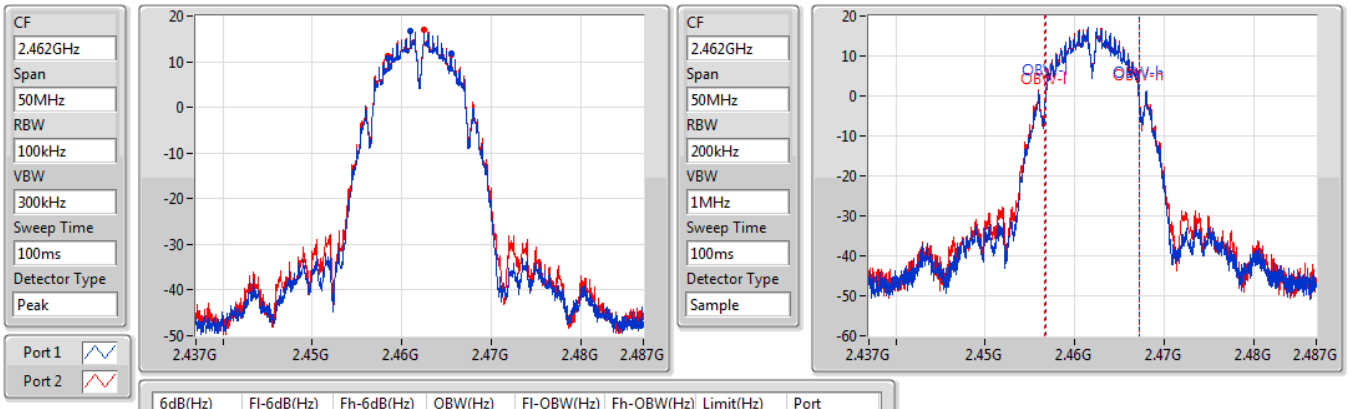


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.55M	2.43345G	2.441G	11.744M	2.431128G	2.442872G	500k	1
7.05M	2.43345G	2.4405G	11.969M	2.431003G	2.442972G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

26/09/2019

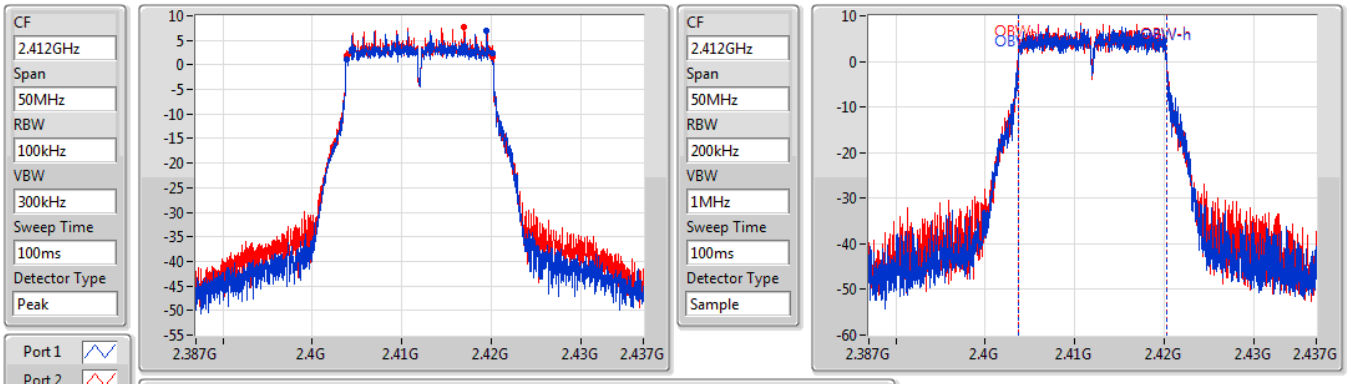


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.458475G	2.4655G	10.42M	2.456778G	2.467197G	500k	1
7.025M	2.458475G	2.4655G	10.57M	2.456678G	2.467247G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

26/09/2019

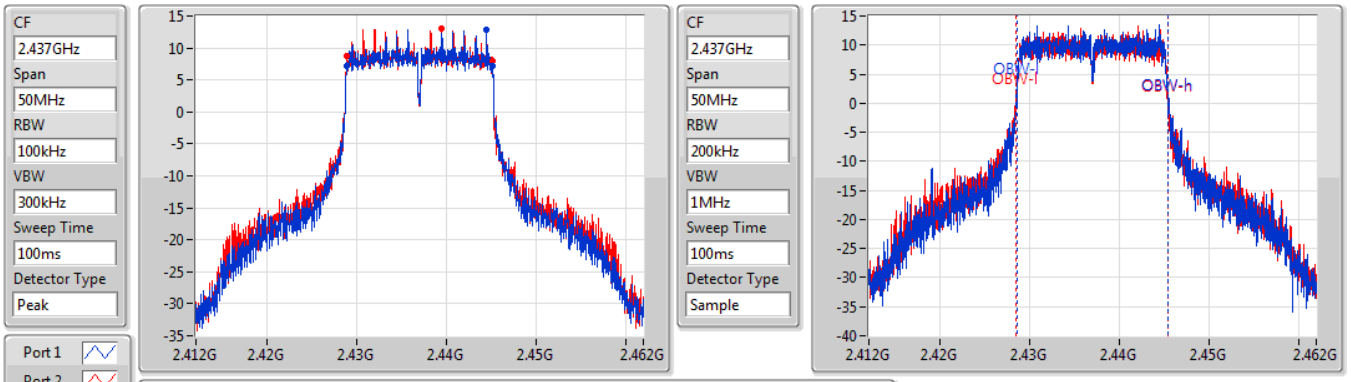


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.567M	2.403704G	2.420271G	500k	1
16.375M	2.4038G	2.420175G	16.617M	2.403654G	2.420271G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

26/09/2019

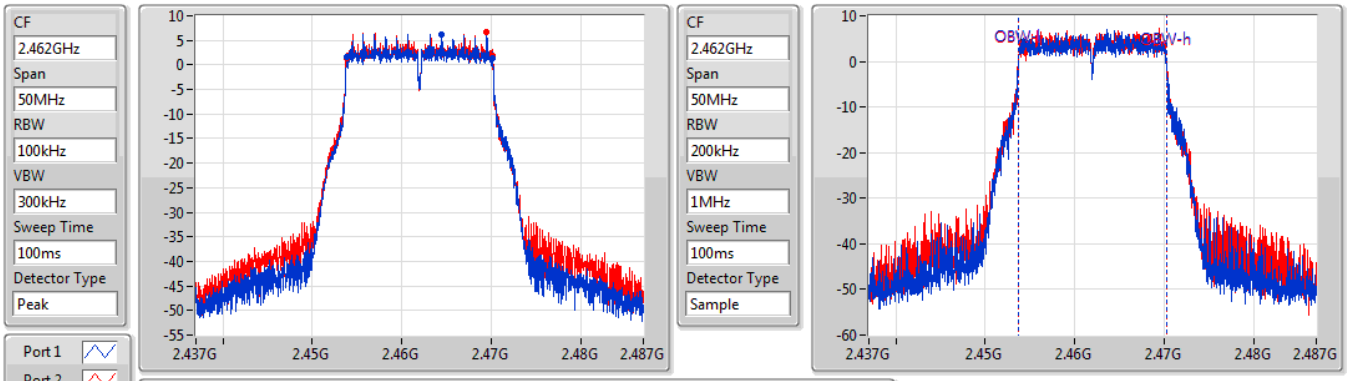


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.867M	2.428579G	2.445446G	500k	1
16.325M	2.428825G	2.44515G	17.016M	2.428454G	2.445471G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

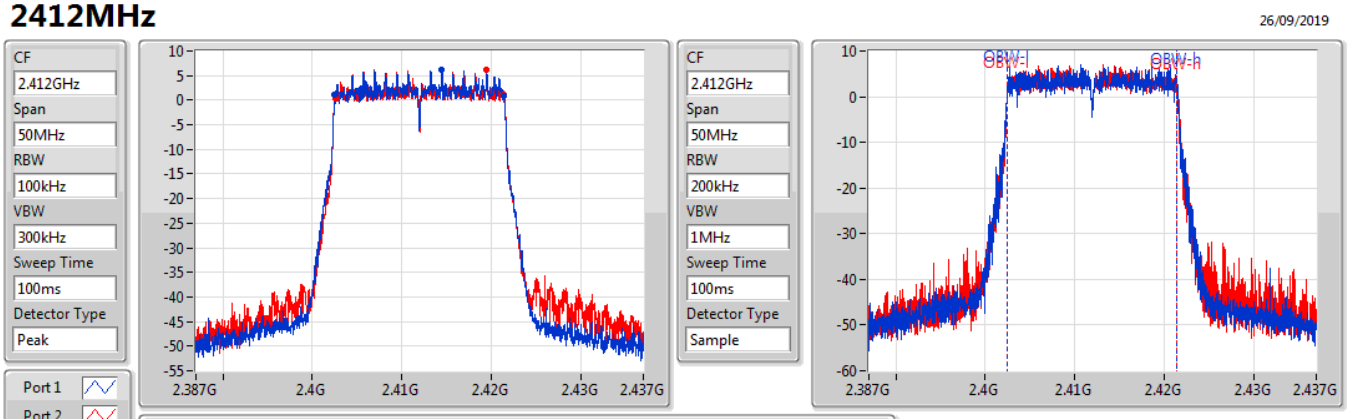
26/09/2019



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

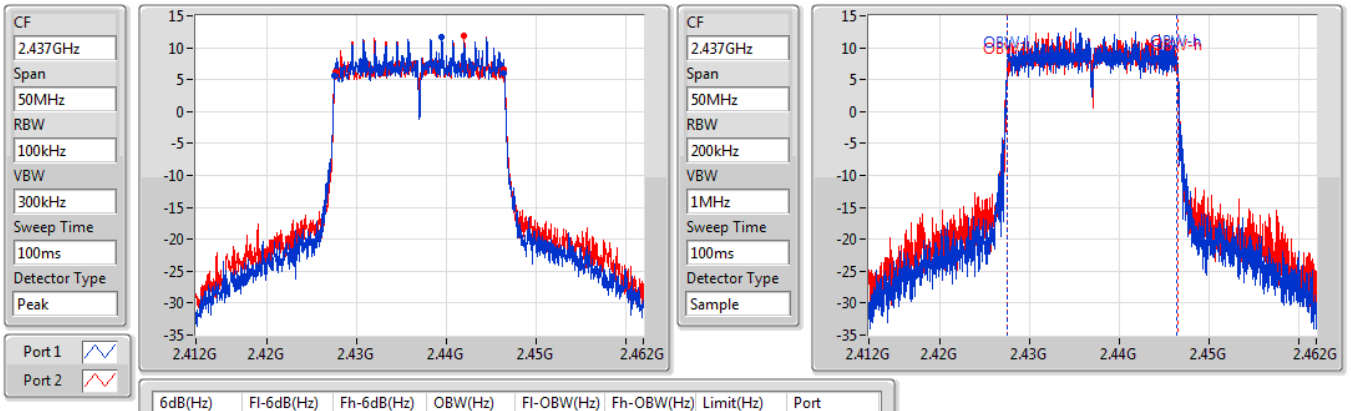
2412MHz



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

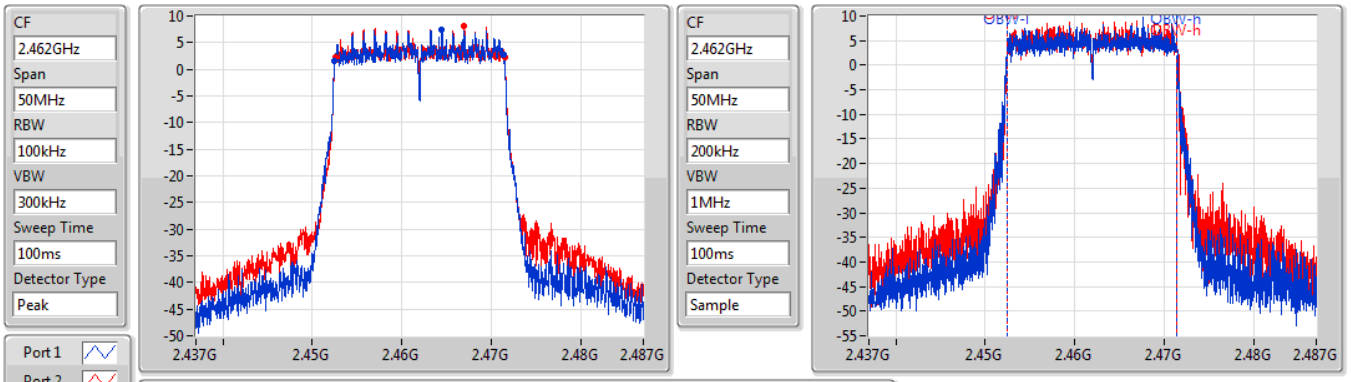


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4275G	2.44645G	19.04M	2.42743G	2.44647G	500k	1
18.8M	2.4276G	2.4464G	19.04M	2.427455G	2.446495G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

26/09/2019

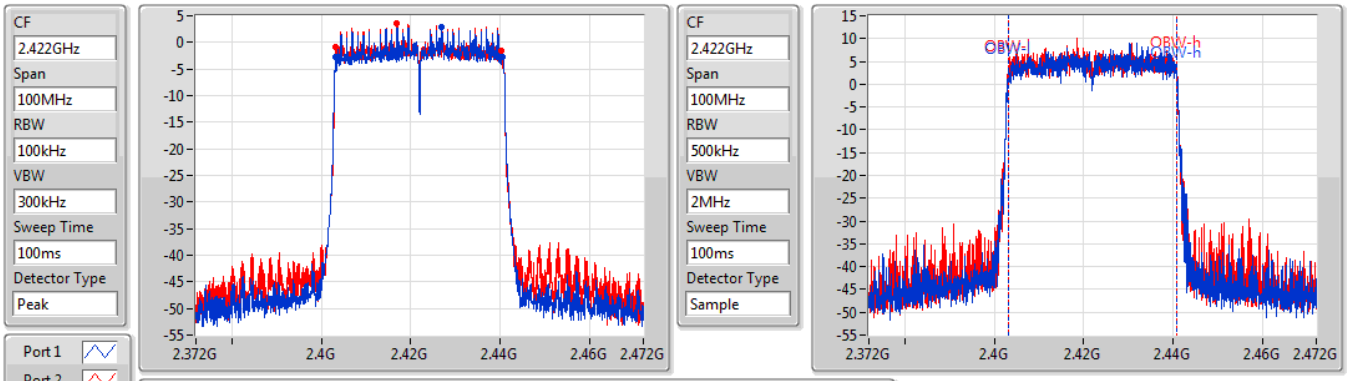


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	18.966M	2.45248G	2.471445G	500k	1
18.85M	2.452625G	2.471475G	18.966M	2.452505G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

26/09/2019

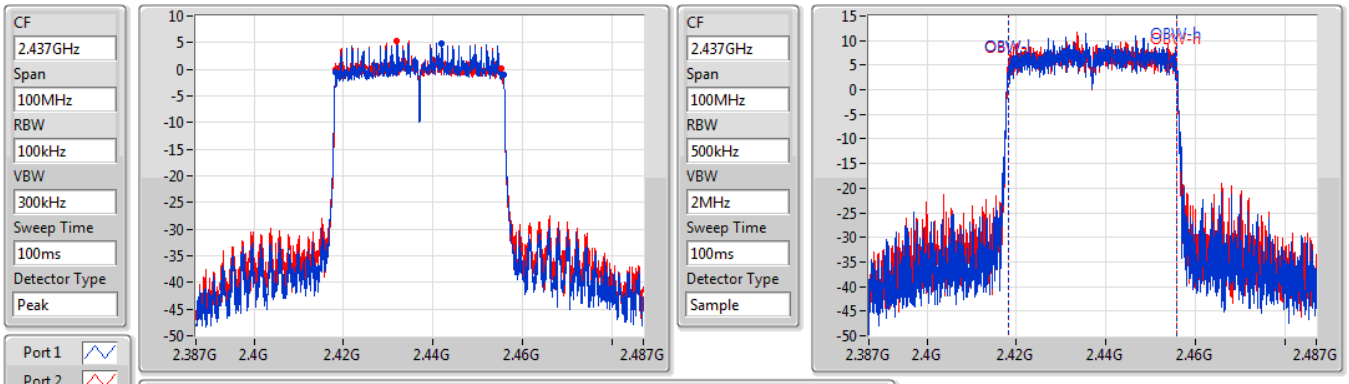


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4032G	2.44065G	37.531M	2.403209G	2.440741G	500k	1
37M	2.4032G	2.4402G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

26/09/2019

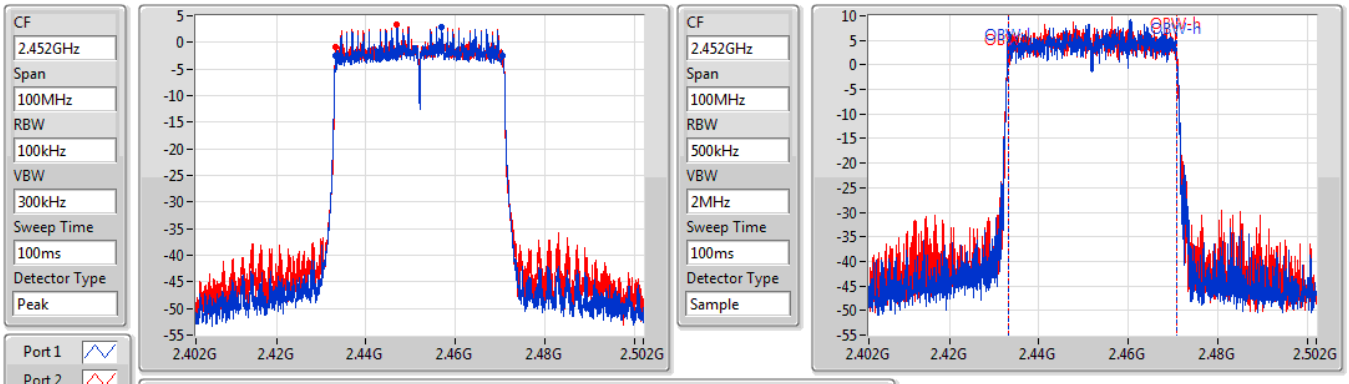


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.41815G	2.4557G	37.581M	2.418209G	2.455791G	500k	1
37.05M	2.41815G	2.4552G	37.531M	2.418209G	2.455741G	500k	2

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

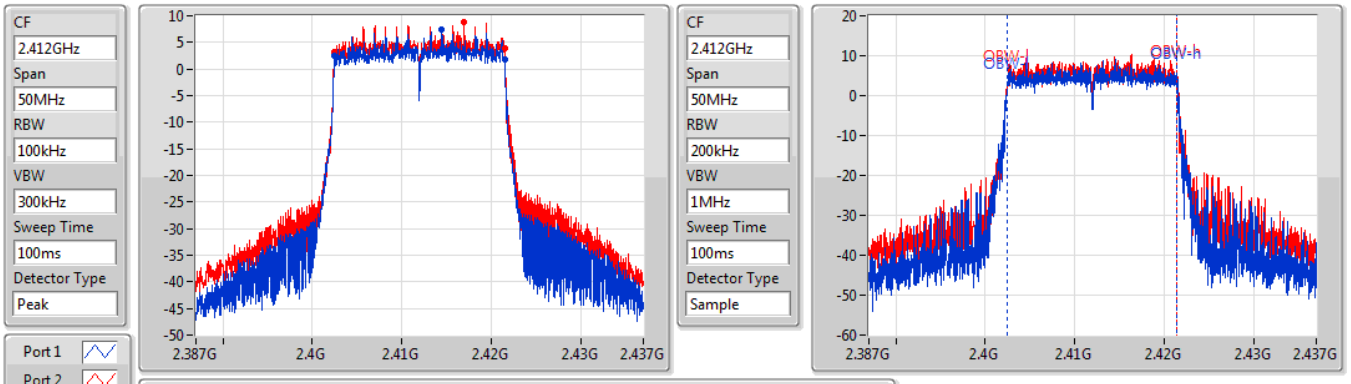
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	19.015M	18.95M	18.991M
2437MHz	Pass	500k	18.9M	19.015M	18.9M	19.115M
2462MHz	Pass	500k	18.975M	18.941M	18.95M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
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

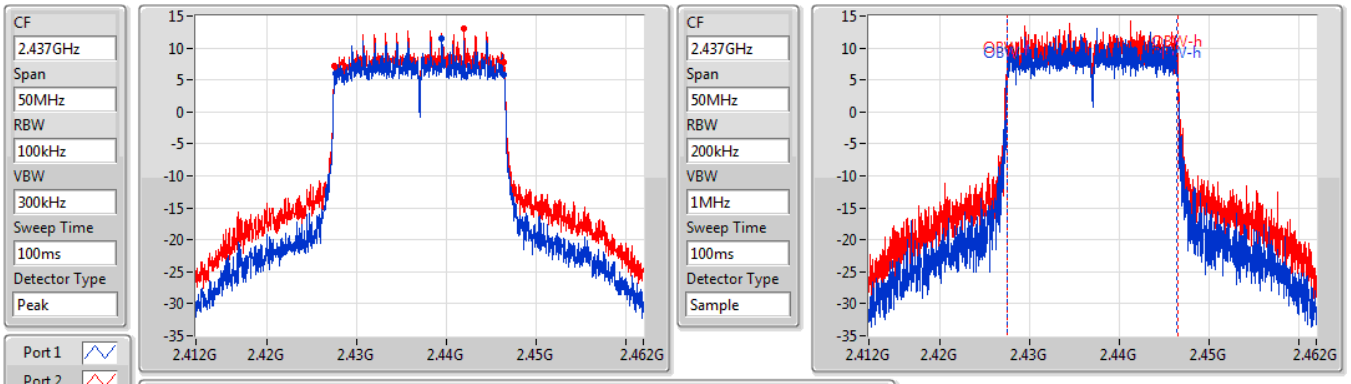


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4025G	2.421475G	19.015M	2.402455G	2.42147G	500k	1
18.95M	2.402525G	2.421475G	18.991M	2.40248G	2.42147G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

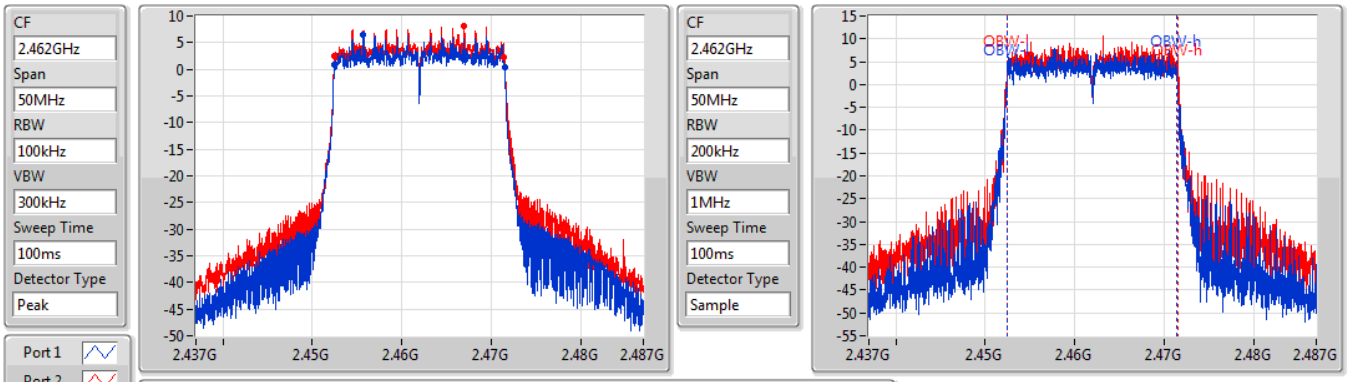


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.42755G	2.44645G	19.015M	2.427455G	2.44647G	500k	1
18.9M	2.427525G	2.446425G	19.115M	2.427405G	2.44652G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

13/10/2019

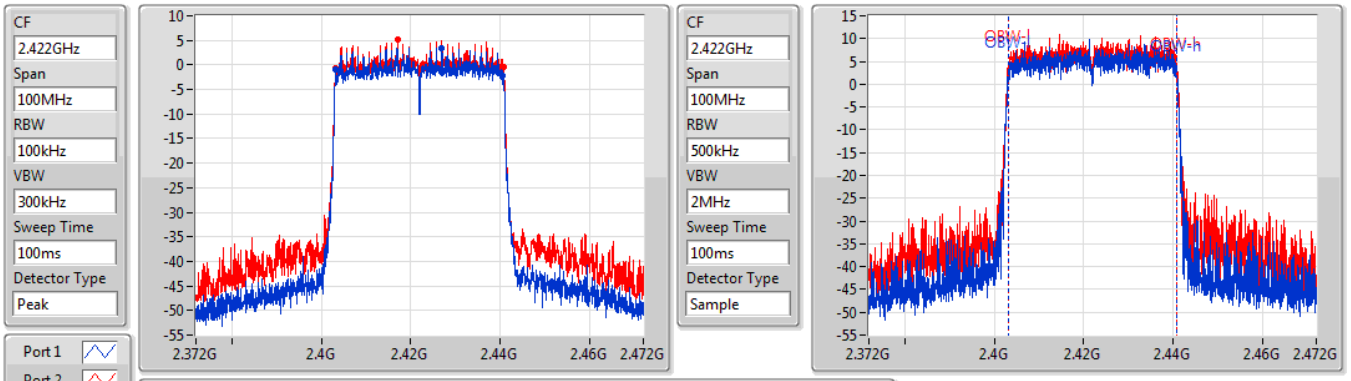


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4525G	2.471475G	18.941M	2.45248G	2.47142G	500k	1
18.95M	2.4525G	2.47145G	19.015M	2.45248G	2.471495G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

13/10/2019

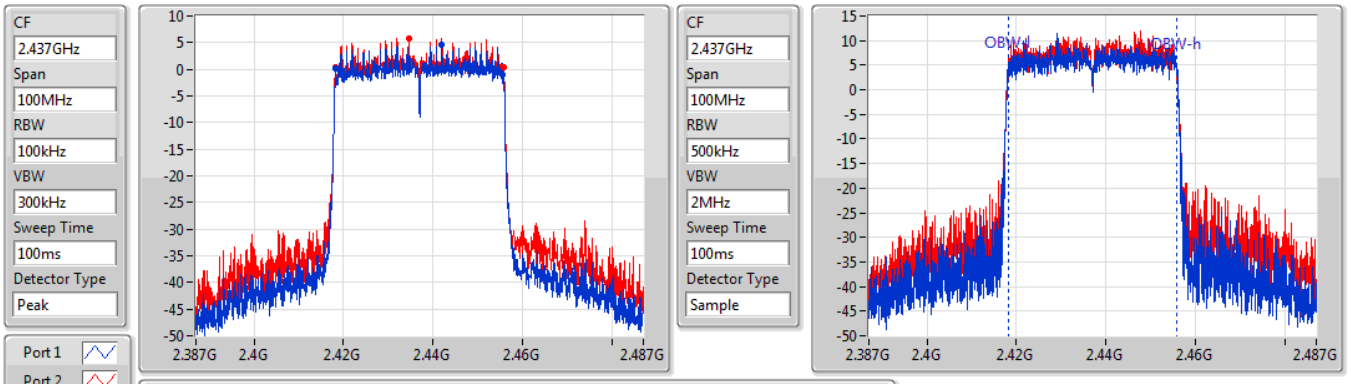


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4032G	2.44065G	37.481M	2.403259G	2.440741G	500k	1
37.6M	2.4032G	2.4408G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

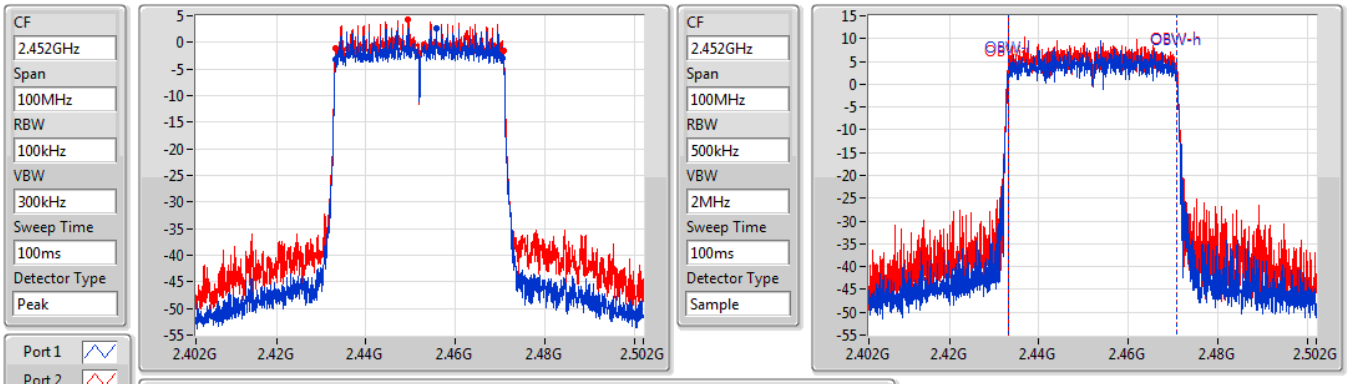


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.45M	2.4182G	2.45565G	37.631M	2.418159G	2.455791G	500k	1
37.55M	2.4182G	2.45575G	37.431M	2.418259G	2.455691G	500k	2

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	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

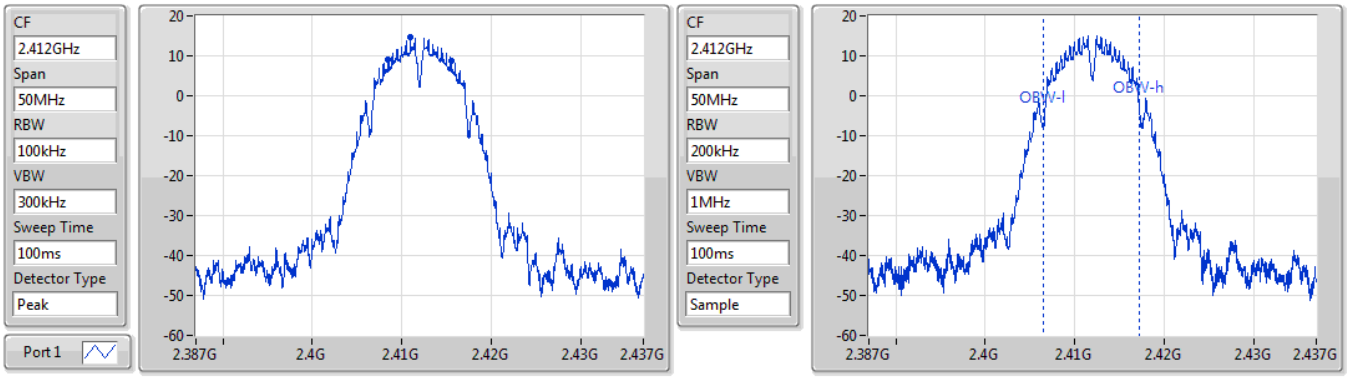
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	7.05M	10.72M
2437MHz	Pass	500k	7.025M	11.844M
2462MHz	Pass	500k	7.05M	11.894M
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-
2412MHz	Pass	500k	16.325M	16.617M
2437MHz	Pass	500k	16.35M	19.49M
2462MHz	Pass	500k	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

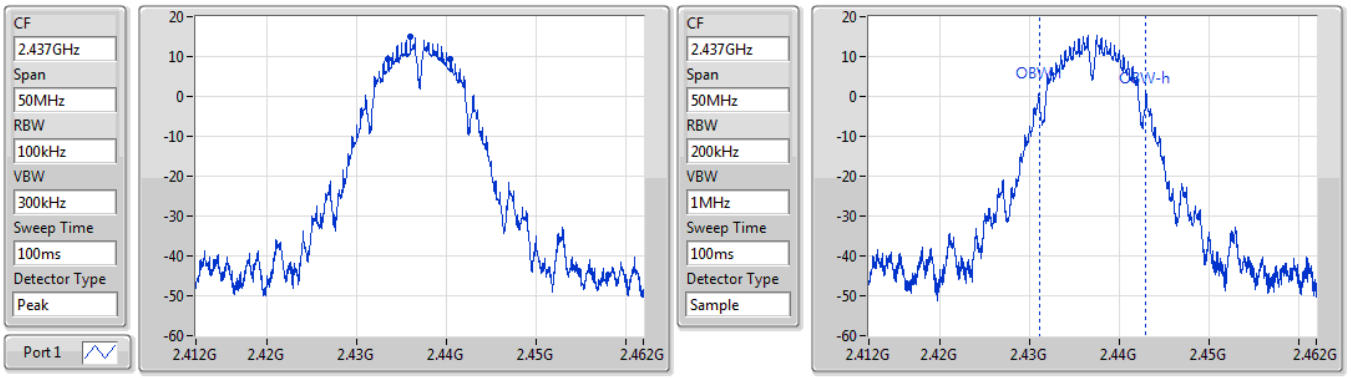


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.40845G	2.4155G	10.72M	2.406553G	2.417272G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2437MHz

03/10/2019

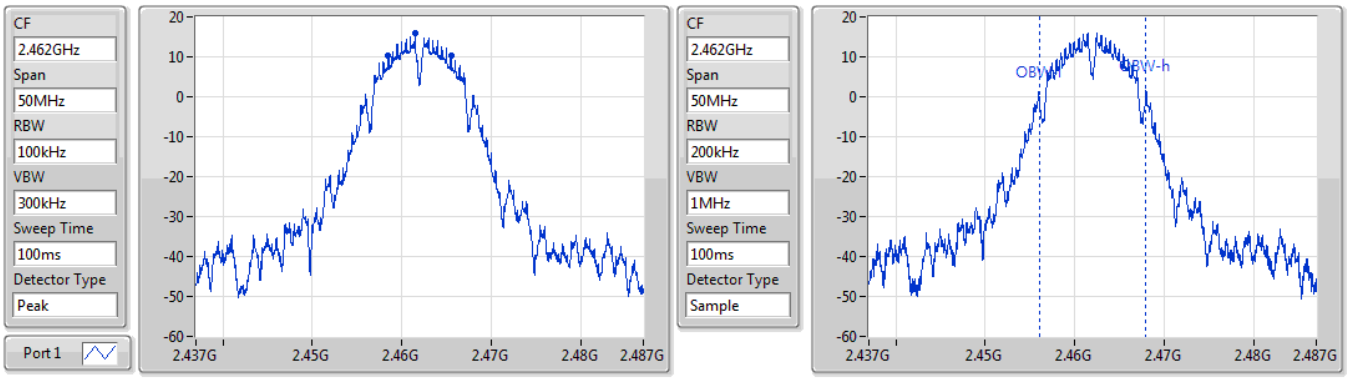


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.43345G	2.440475G	11.844M	2.431028G	2.442872G	500k	1

802.11b_Nss1,(1Mbps)_1TX EBW

2462MHz

03/10/2019

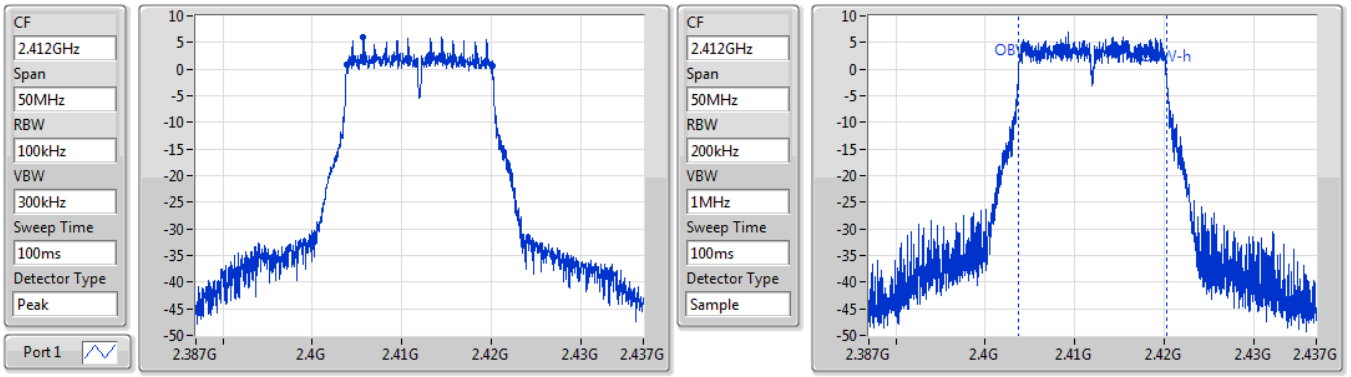


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.45845G	2.4655G	11.894M	2.456028G	2.467922G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2412MHz

03/10/2019

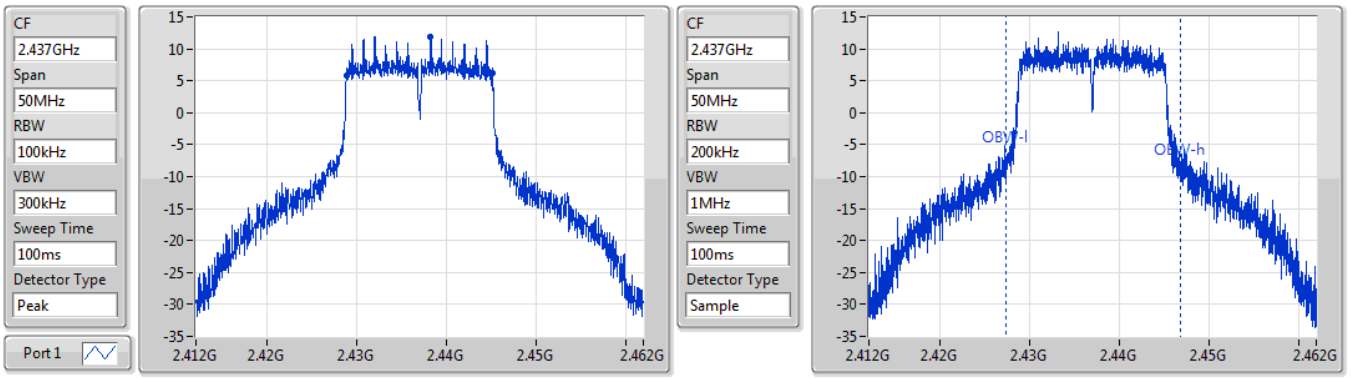


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.403825G	2.42015G	16.617M	2.403679G	2.420296G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2437MHz

03/10/2019

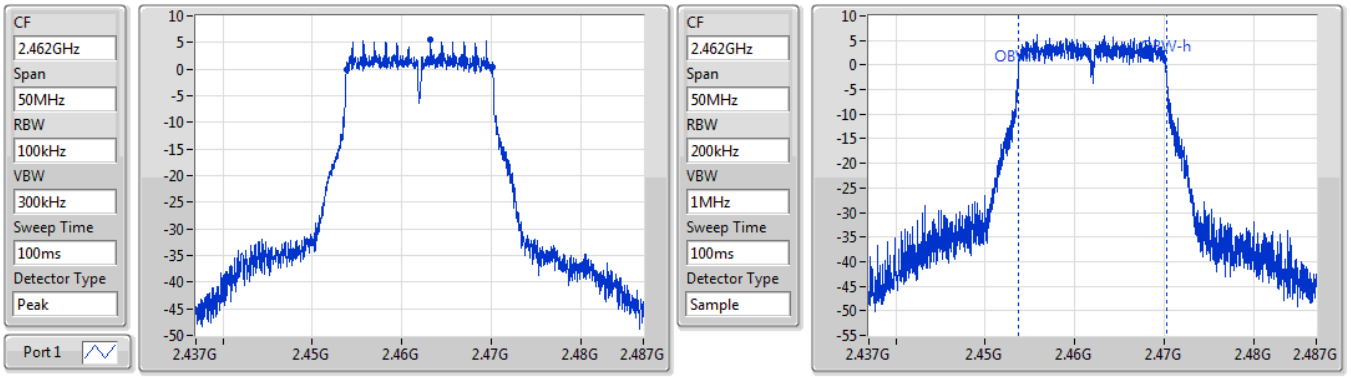


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4288G	2.44515G	19.49M	2.42738G	2.44687G	500k	1

802.11g_Nss1,(6Mbps)_1TX EBW

2462MHz

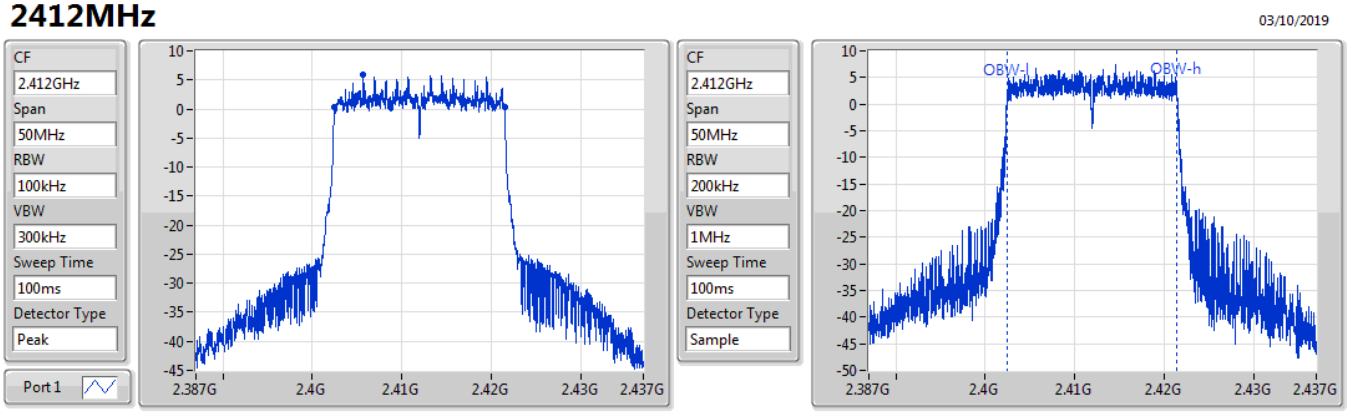
03/10/2019



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

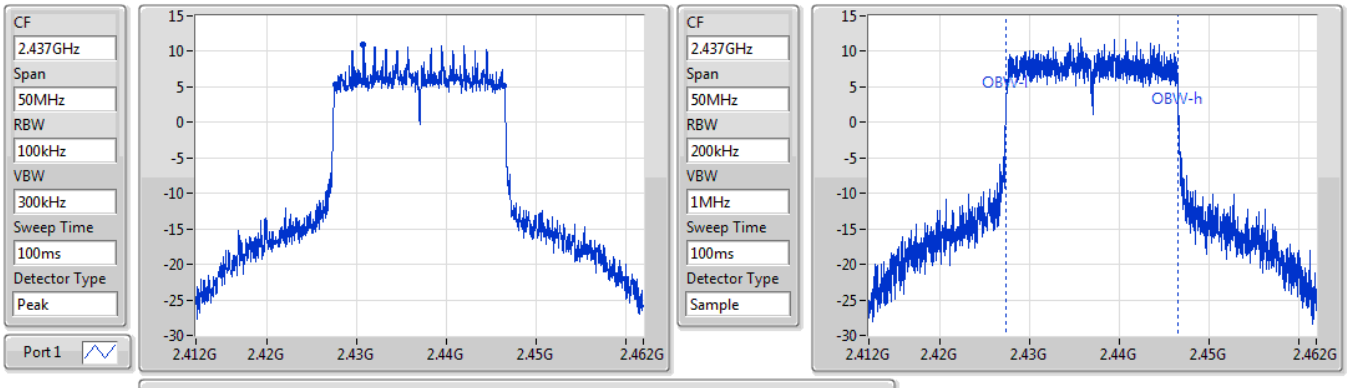
2412MHz



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

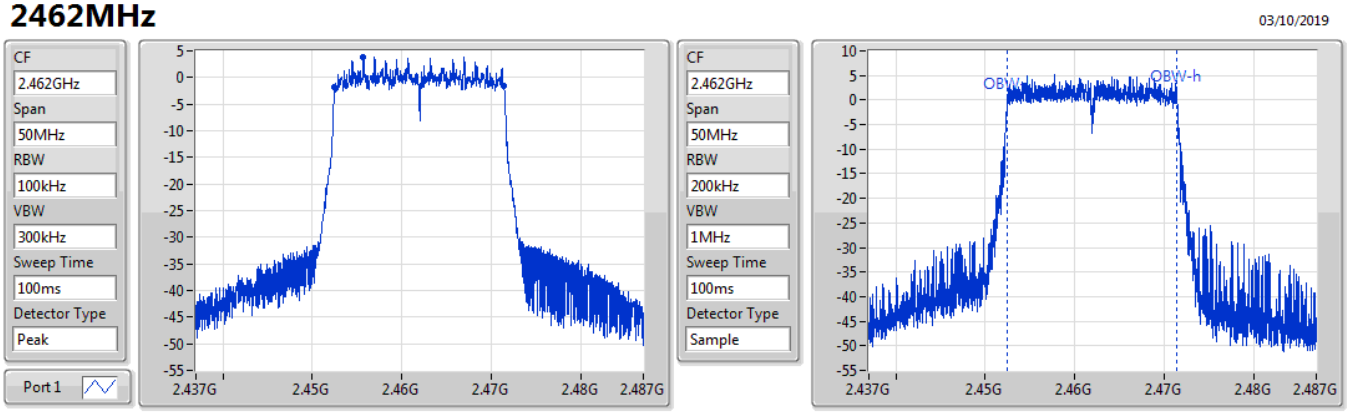
2437MHz



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

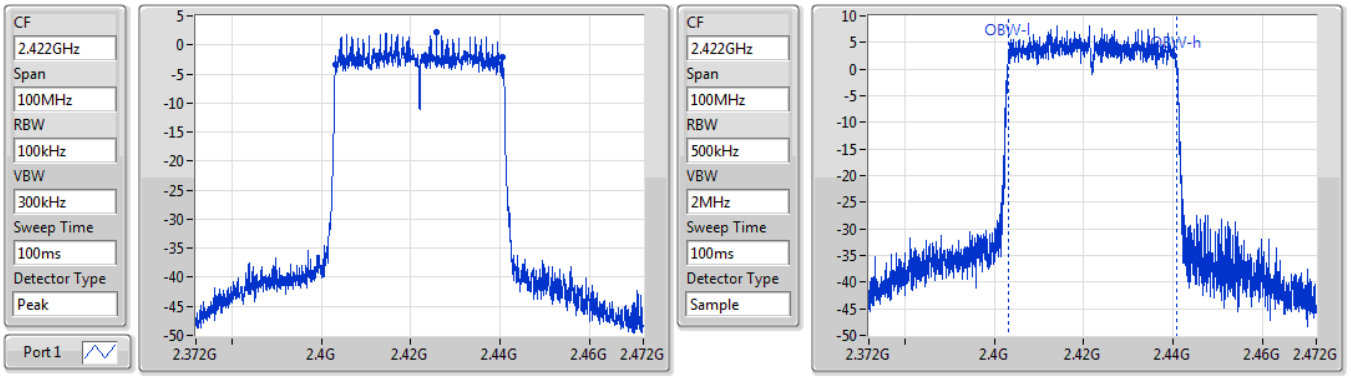
2462MHz



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

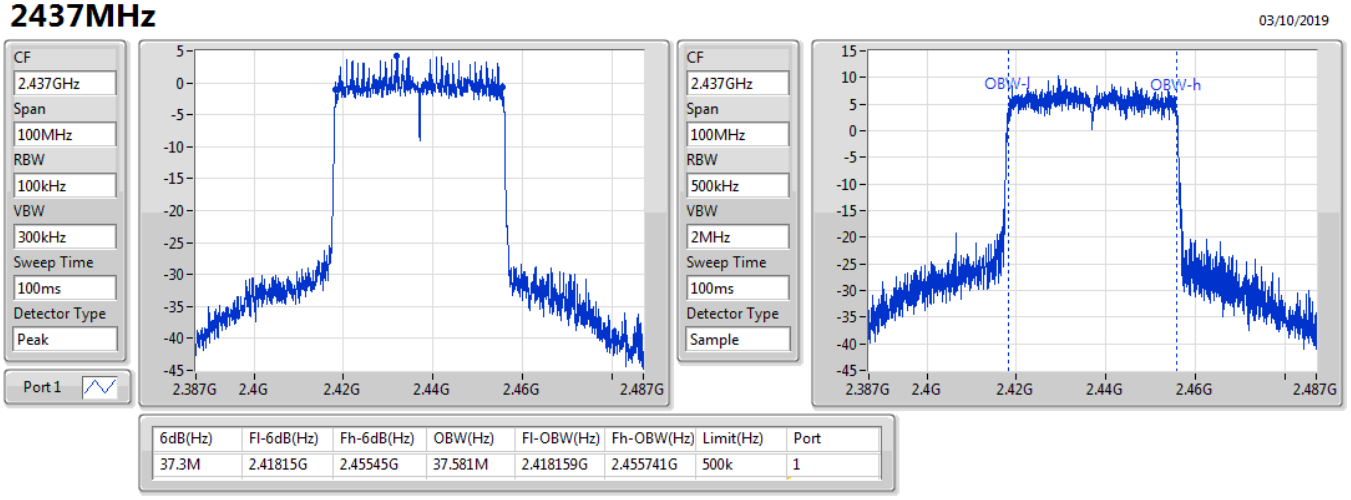
2422MHz



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

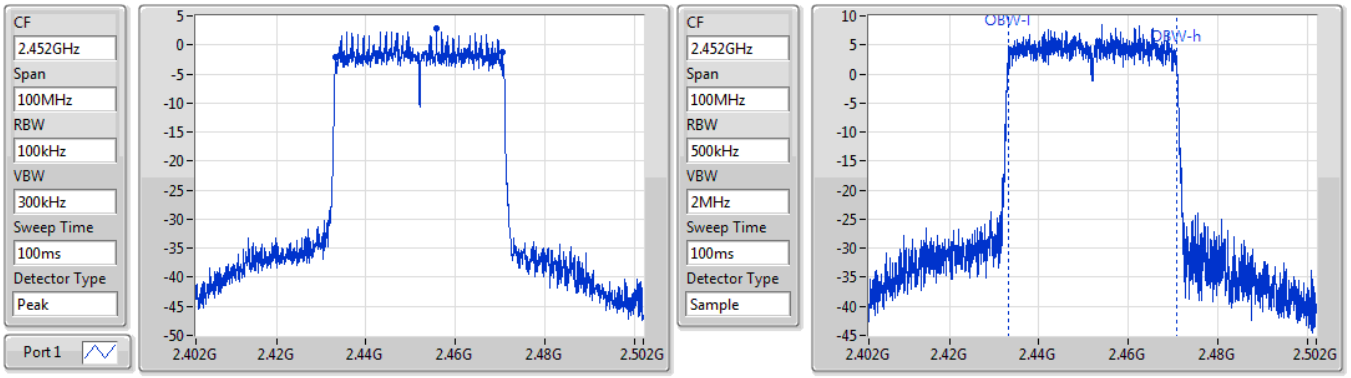
2437MHz



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



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

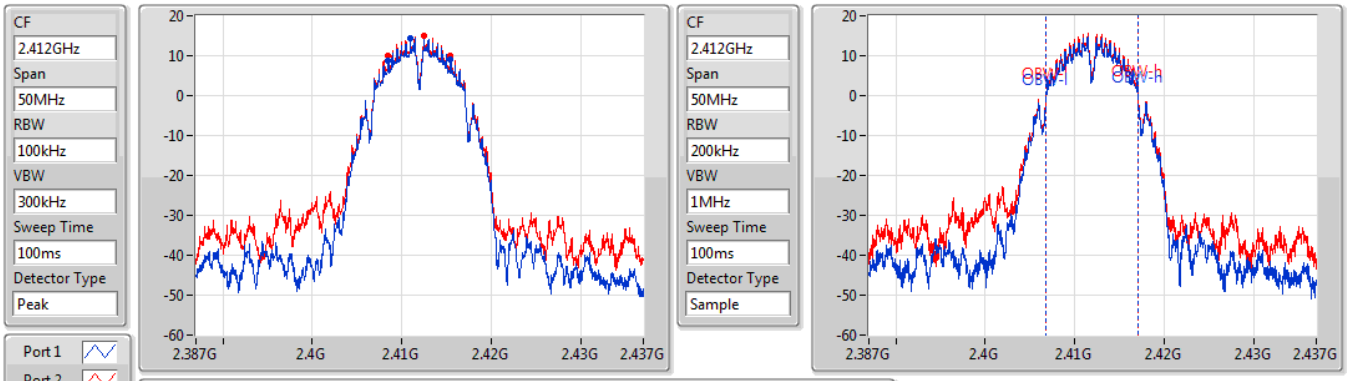
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.37M	7.025M	10.295M
2437MHz	Pass	500k	7.05M	12.019M	7.05M	12.994M
2462MHz	Pass	500k	7.05M	10.445M	7.025M	10.295M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
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

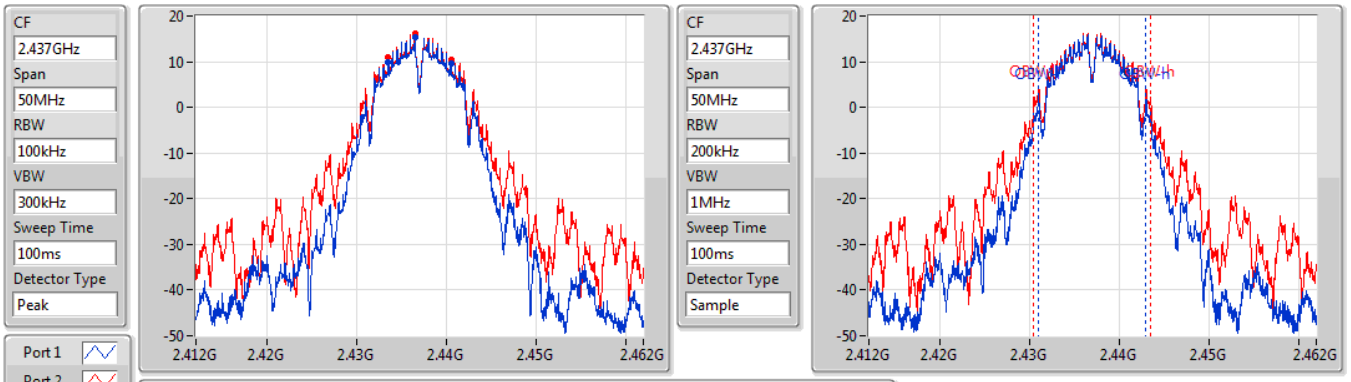


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.40845G	2.415475G	10.37M	2.406753G	2.417122G	500k	1
7.025M	2.40845G	2.415475G	10.295M	2.406803G	2.417097G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2437MHz

03/10/2019

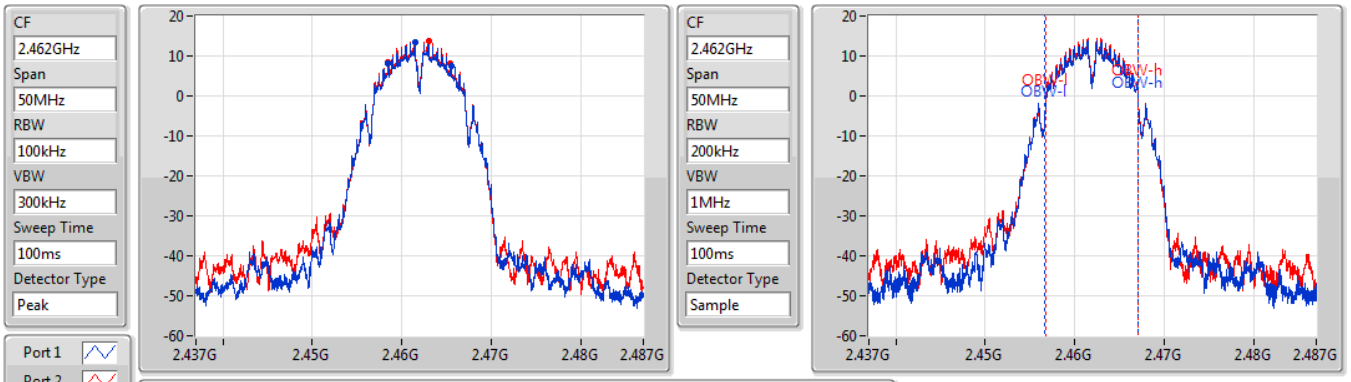


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.43345G	2.4405G	12.019M	2.430953G	2.442972G	500k	1
7.05M	2.43345G	2.4405G	12.994M	2.430453G	2.443447G	500k	2

802.11b_Nss1,(1Mbps)_2TX EBW

2462MHz

03/10/2019

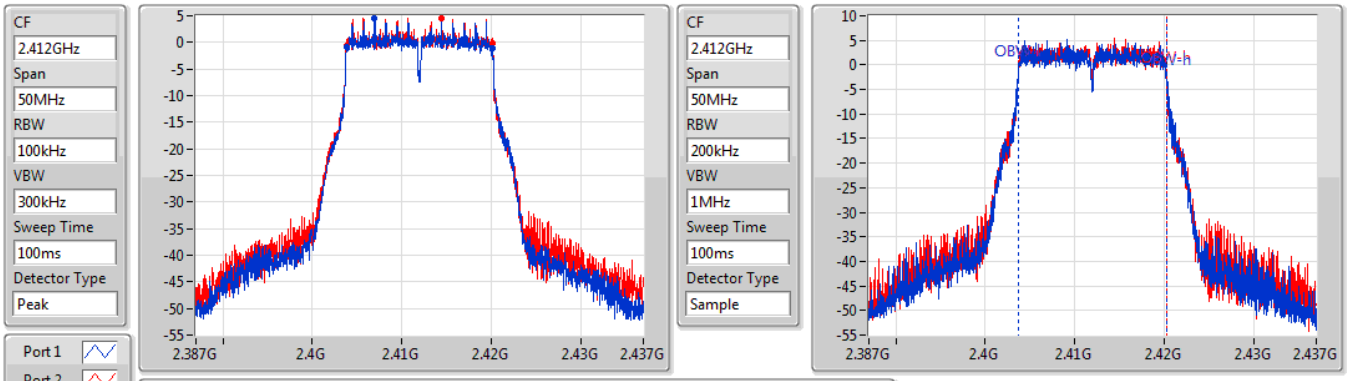


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.45845G	2.4655G	10.445M	2.456703G	2.467147G	500k	1
7.025M	2.45845G	2.465475G	10.295M	2.456778G	2.467072G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2412MHz

03/10/2019

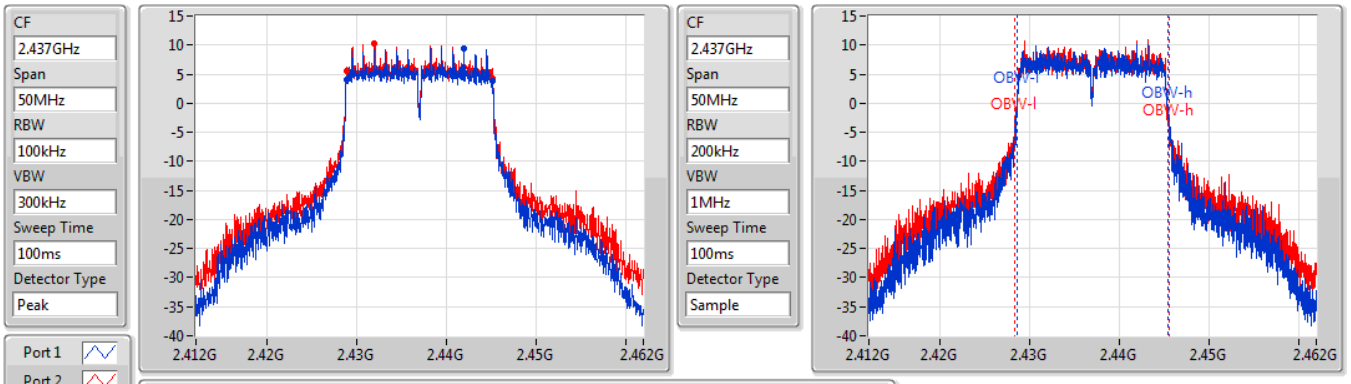


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4038G	2.42015G	16.642M	2.403654G	2.420296G	500k	1
16.35M	2.4038G	2.42015G	16.592M	2.403654G	2.420246G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2437MHz

03/10/2019

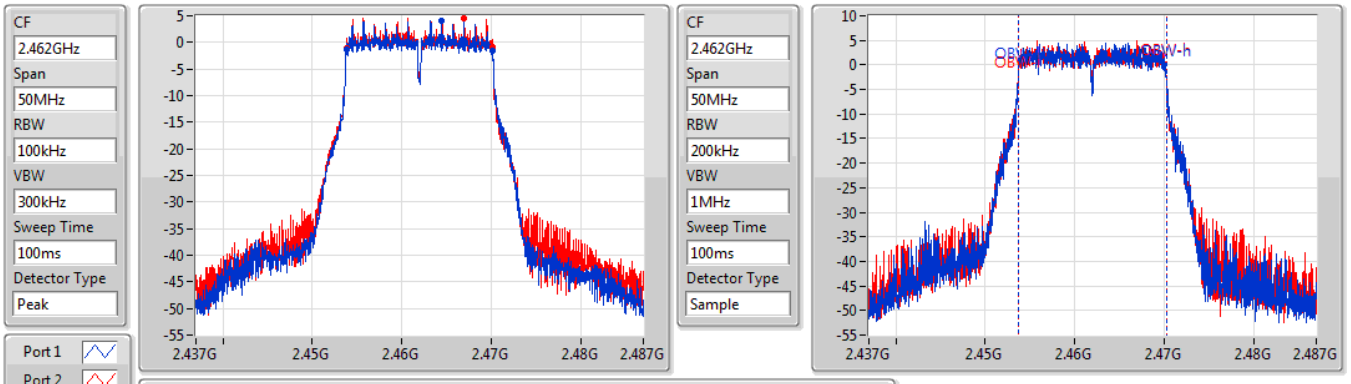


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4288G	2.44515G	16.842M	2.428554G	2.445396G	500k	1
16.325M	2.428825G	2.44515G	17.241M	2.428304G	2.445546G	500k	2

802.11g_Nss1,(6Mbps)_2TX EBW

2462MHz

03/10/2019

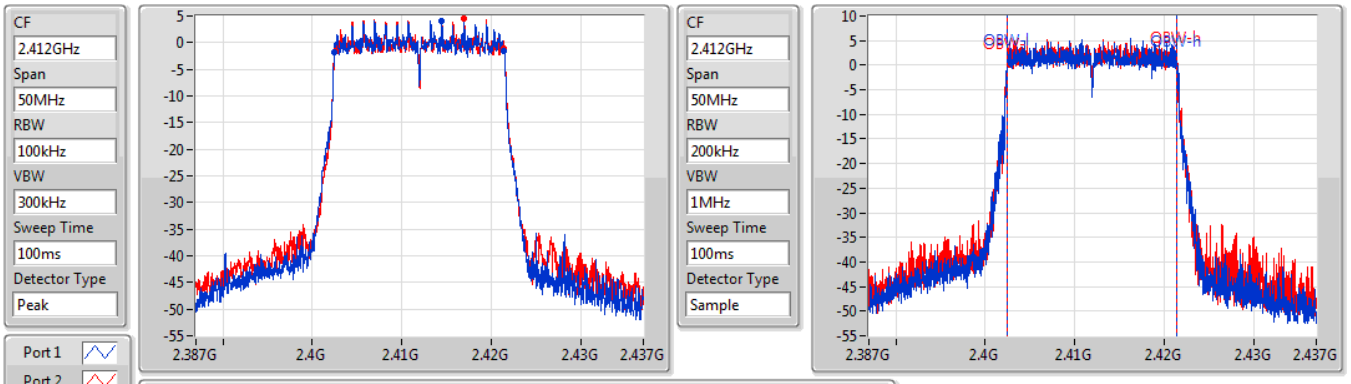


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.4538G	2.47015G	16.592M	2.453679G	2.470271G	500k	1
16.35M	2.4538G	2.47015G	16.592M	2.453654G	2.470246G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2412MHz

03/10/2019

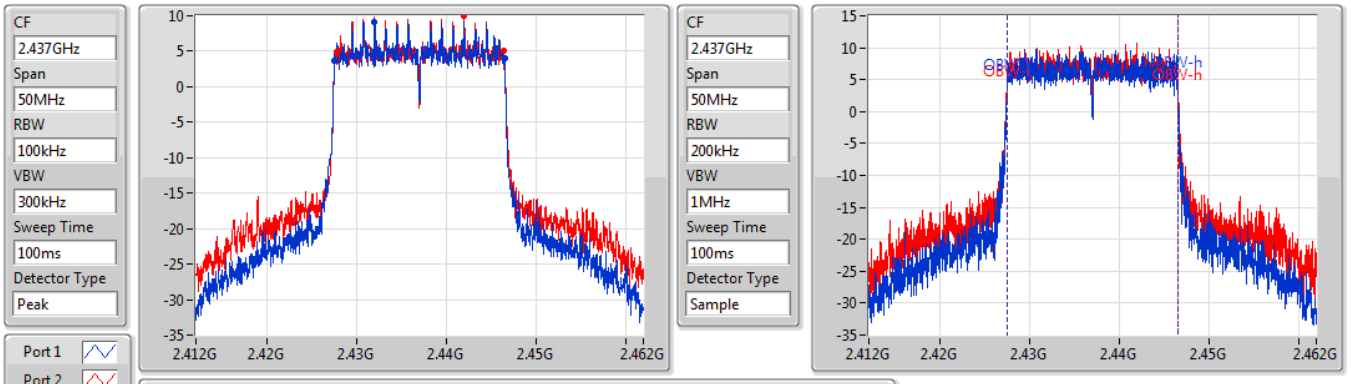


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.402475G	2.421425G	19.015M	2.402455G	2.42147G	500k	1
18.875M	2.402575G	2.42145G	19.015M	2.402455G	2.42147G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2437MHz

03/10/2019

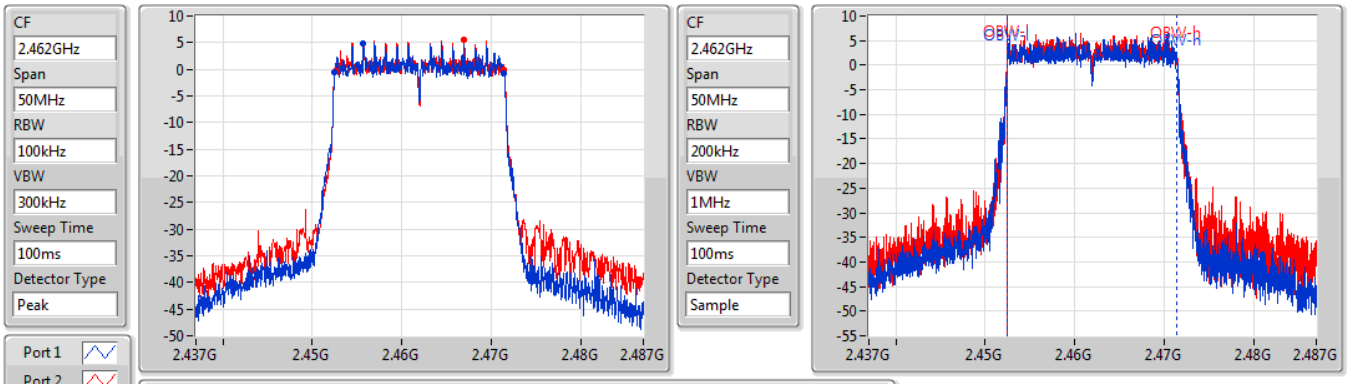


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	19.04M	2.427455G	2.446495G	500k	1
18.725M	2.4277G	2.446425G	19.115M	2.427405G	2.44652G	500k	2

802.11ax HEW20_Nss2,(MCS0)_2TX EBW

2462MHz

03/10/2019

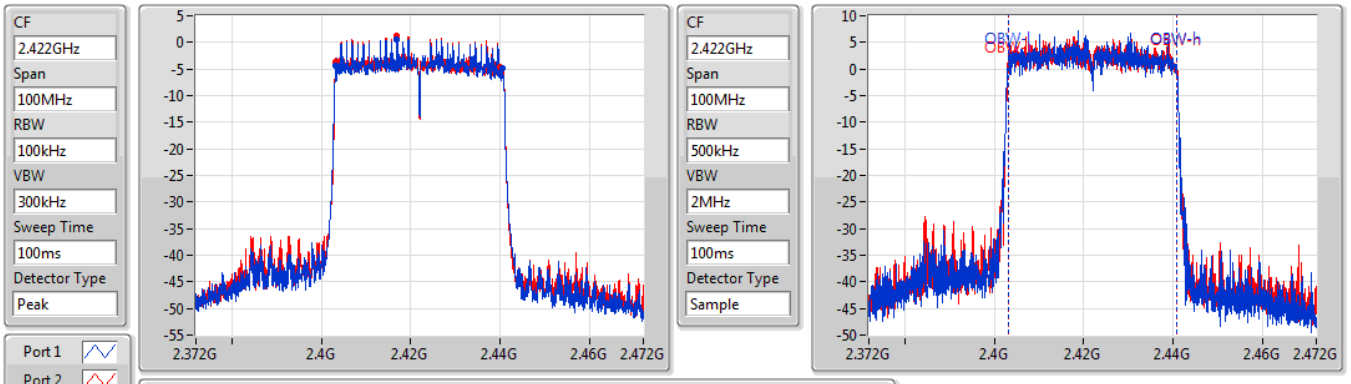


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.4525G	2.47145G	18.991M	2.45248G	2.47147G	500k	1
18.85M	2.4526G	2.47145G	18.991M	2.45248G	2.47147G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2422MHz

03/10/2019

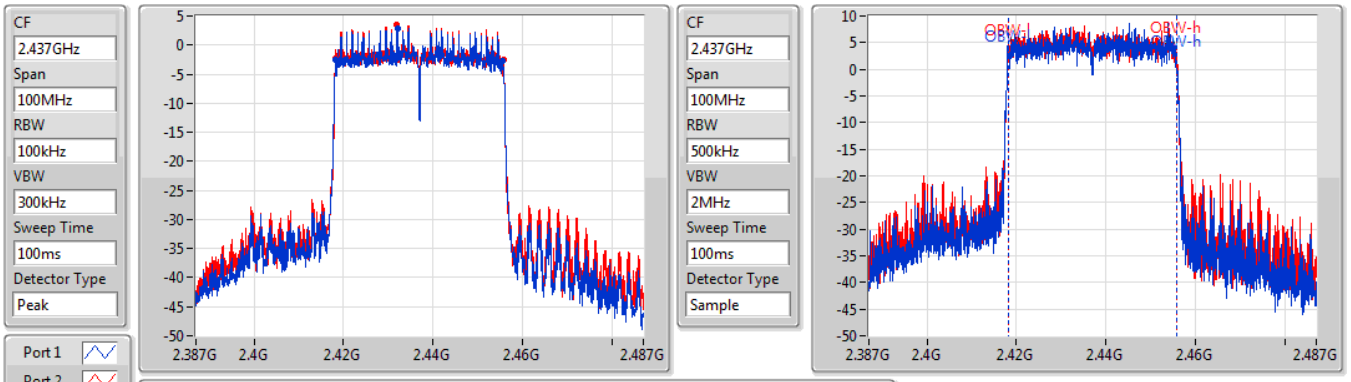


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.40315G	2.4405G	37.631M	2.403109G	2.440741G	500k	1
36.95M	2.40315G	2.4401G	37.581M	2.403159G	2.440741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2437MHz

03/10/2019

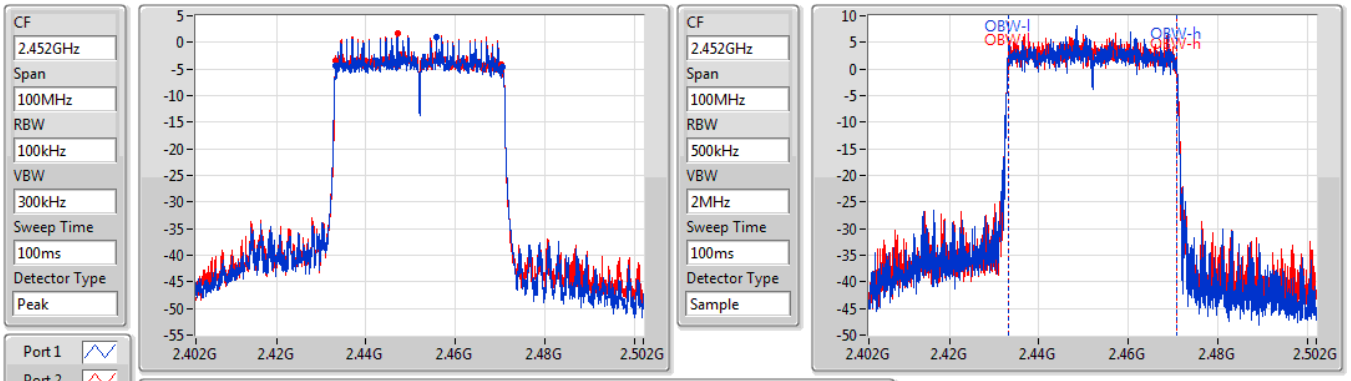


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.41815G	2.4555G	37.581M	2.418109G	2.455691G	500k	1
37.6M	2.41815G	2.45575G	37.581M	2.418159G	2.455741G	500k	2

802.11ax HEW40_Nss2,(MCS0)_2TX EBW

2452MHz

03/10/2019



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.35M	2.43315G	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

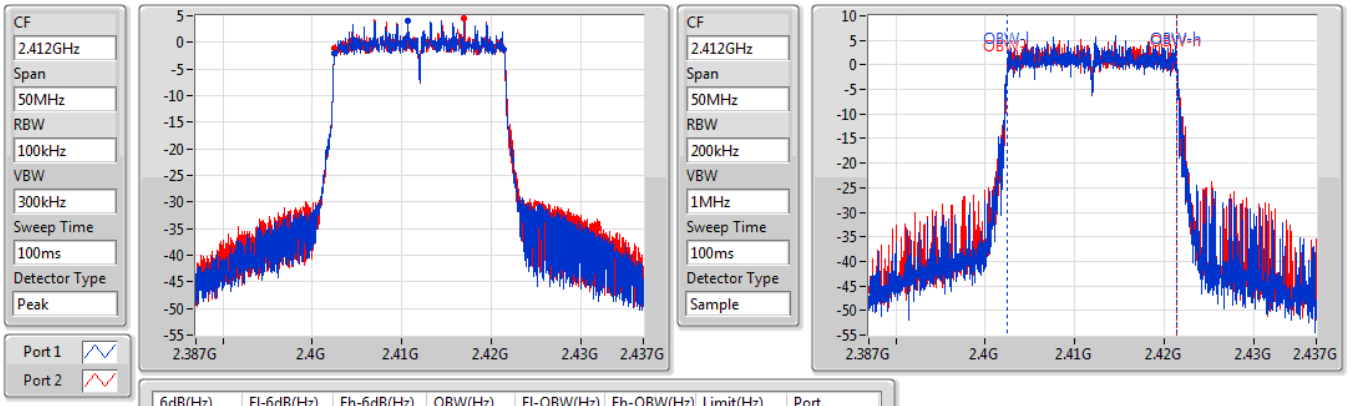
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.975M	18.991M	18.875M	18.991M
2437MHz	Pass	500k	18.875M	19.09M	18.85M	19.14M
2462MHz	Pass	500k	18.975M	18.991M	18.975M	18.991M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
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

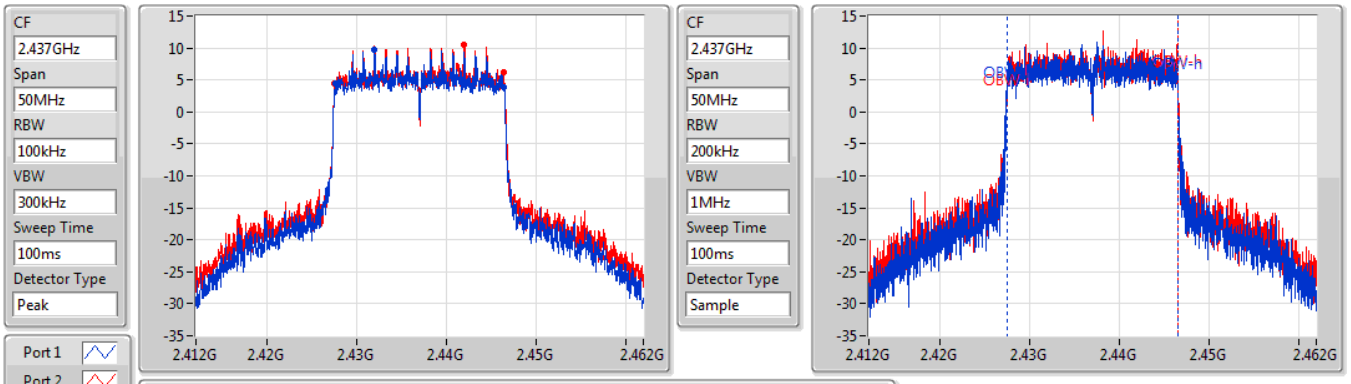


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.402475G	2.42145G	18.991M	2.402455G	2.421445G	500k	1
18.875M	2.4025G	2.421375G	18.991M	2.402455G	2.421445G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

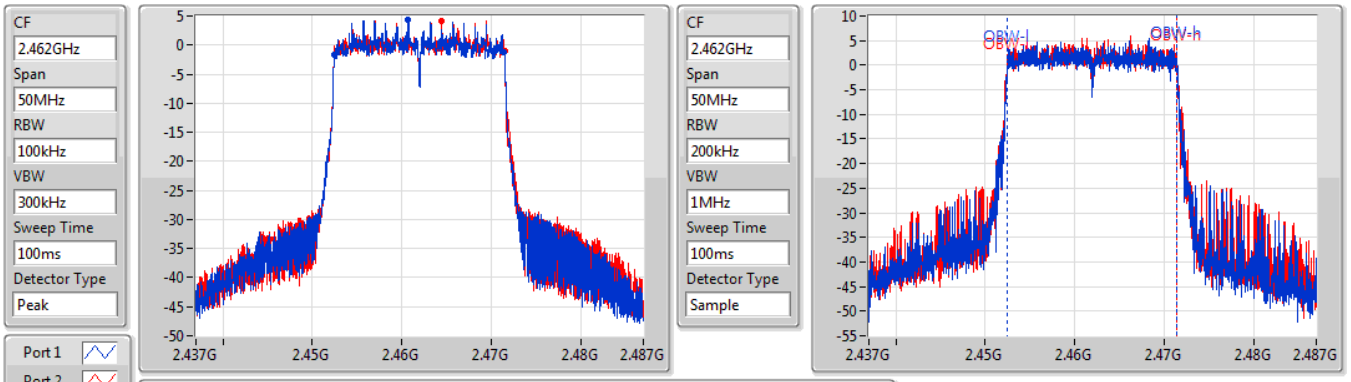


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.427575G	2.44645G	19.09M	2.427405G	2.446495G	500k	1
18.85M	2.427525G	2.446375G	19.14M	2.427405G	2.446545G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX EBW

2462MHz

13/10/2019

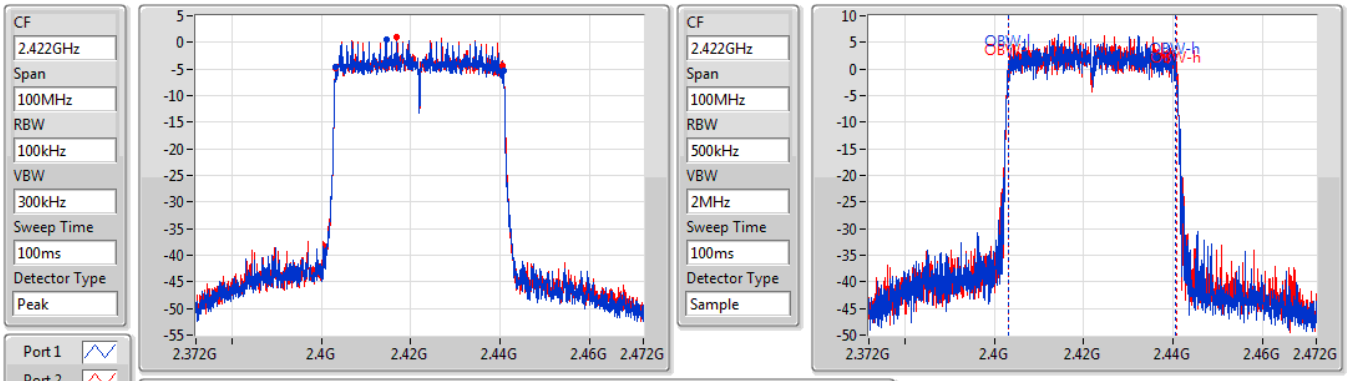


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.452475G	2.47145G	18.991M	2.452455G	2.471445G	500k	1
18.975M	2.4525G	2.471475G	18.991M	2.452455G	2.471445G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2422MHz

13/10/2019

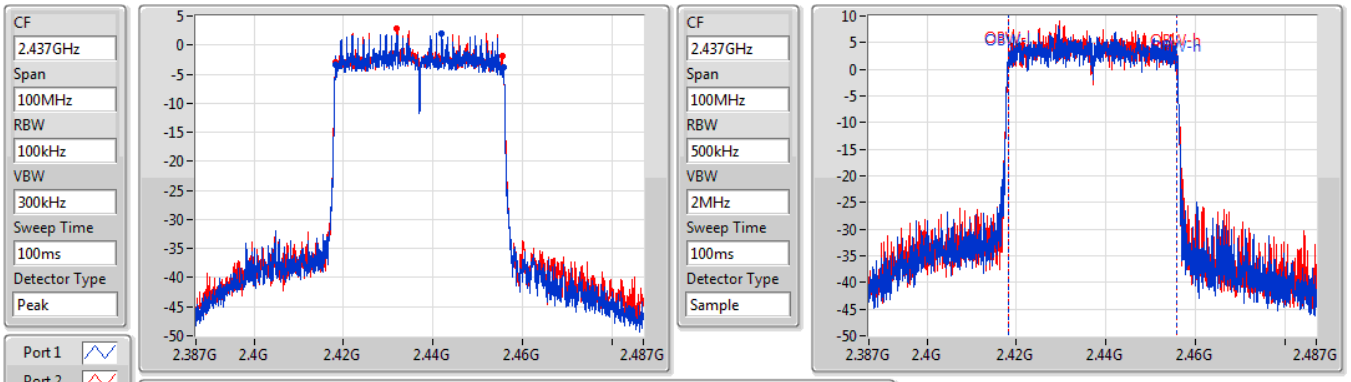


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.40315G	2.44075G	37.481M	2.403159G	2.440641G	500k	1
37.25M	2.4032G	2.44045G	37.531M	2.403209G	2.440741G	500k	2

802.11ax HEW40-BF_Nss1,(MCS0)_2TX EBW

2437MHz

13/10/2019

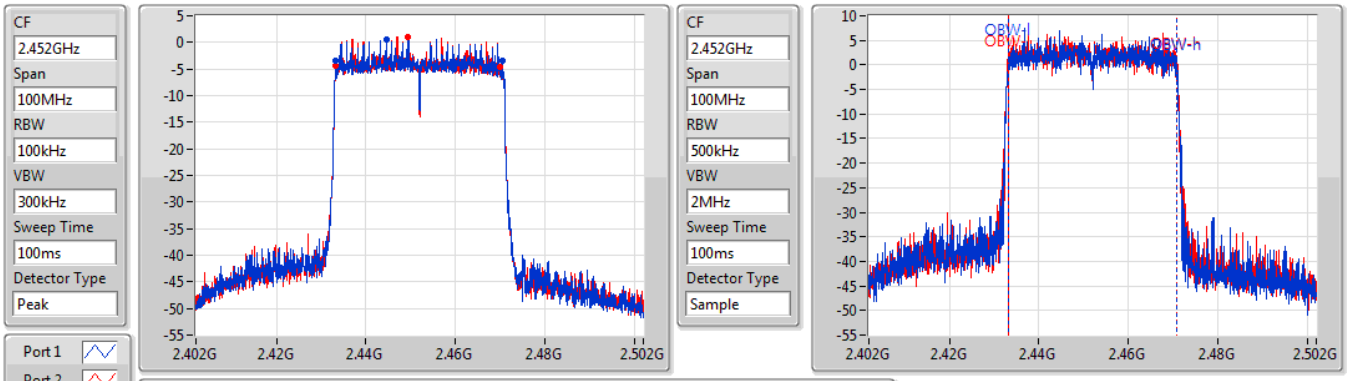


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.55M	2.41815G	2.4557G	37.631M	2.418159G	2.455791G	500k	1
37.15M	2.41825G	2.4554G	37.531M	2.418159G	2.455691G	500k	2

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	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	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	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.

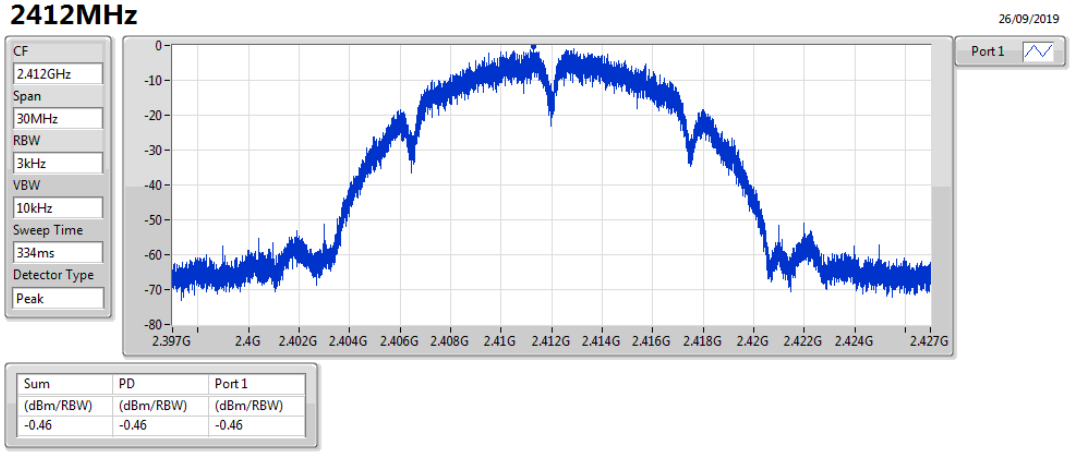
Result

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

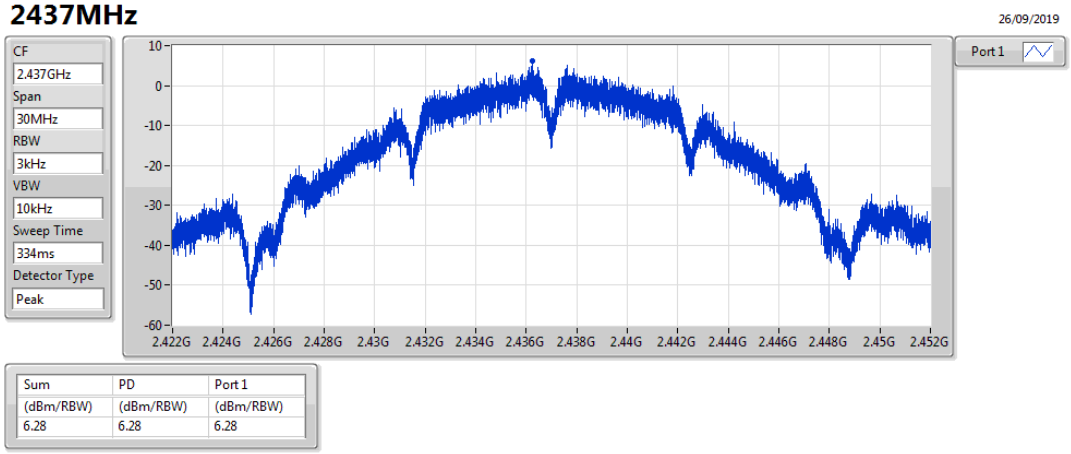
2412MHz



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

802.11b_Nss1,(1Mbps)_1TX PSD

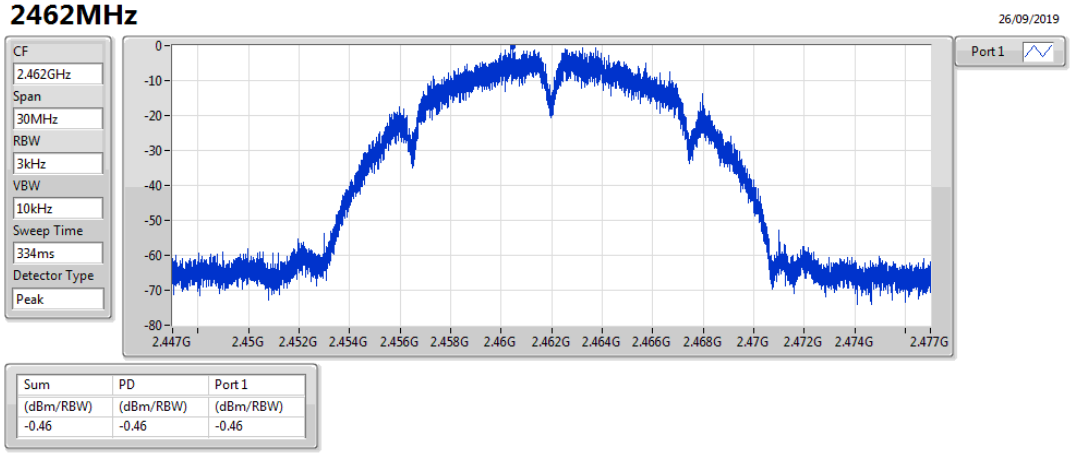
2437MHz



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

802.11b_Nss1,(1Mbps)_1TX PSD

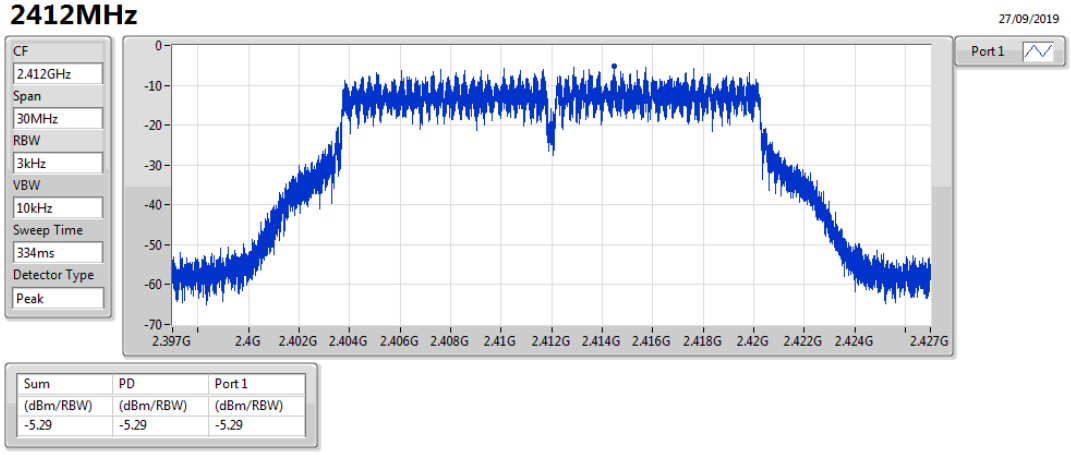
2462MHz



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

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

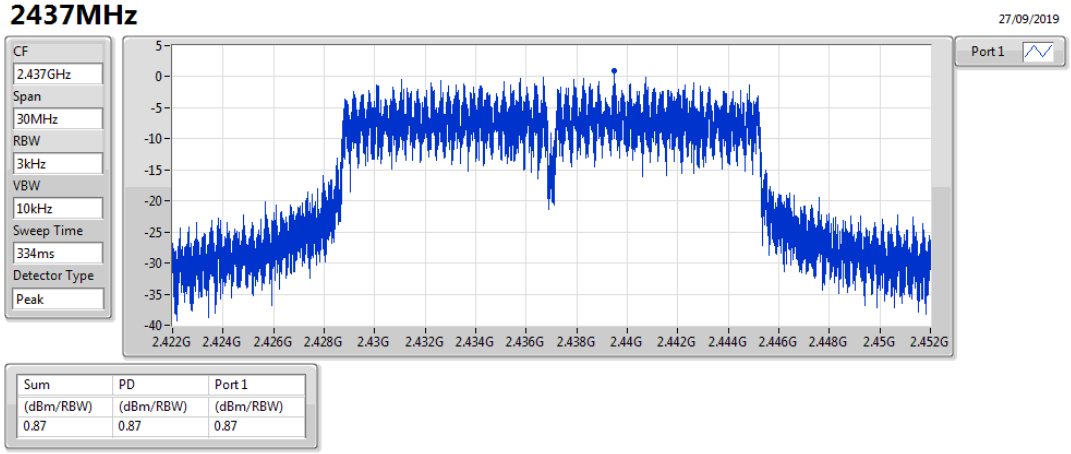
2412MHz



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

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

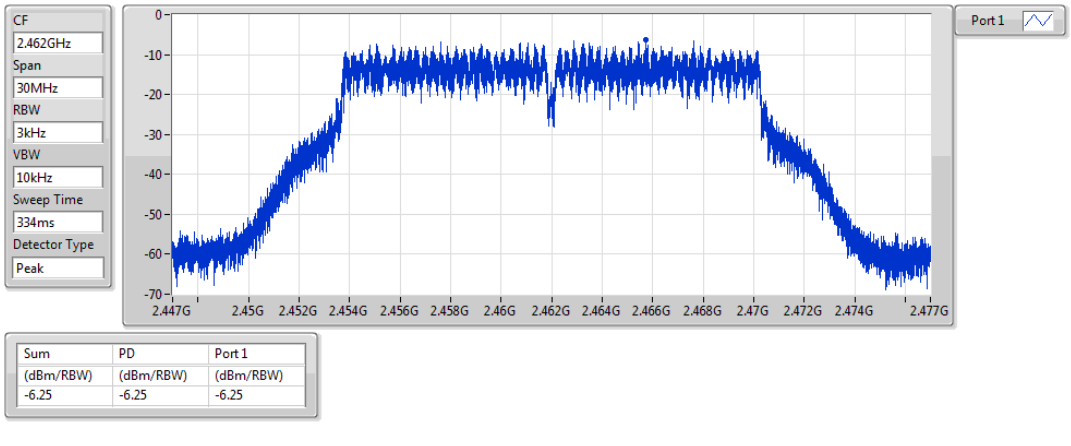
2437MHz



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

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

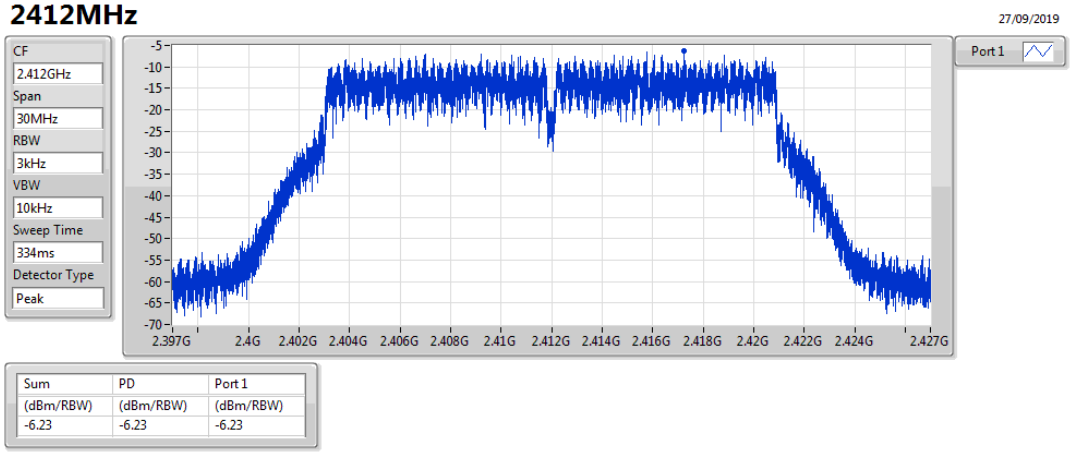
2462MHz



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

VHT20_Nss1,(MCS0)_1TX **PSD**

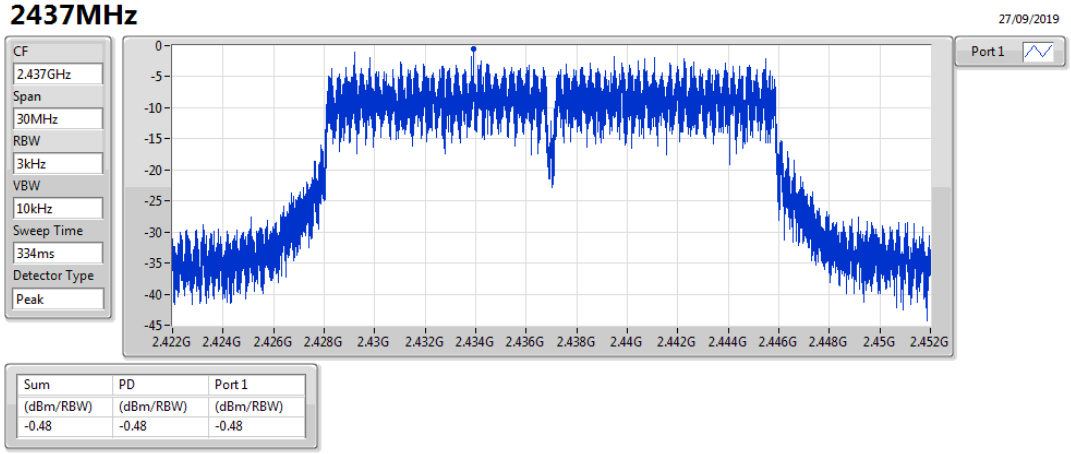
2412MHz



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

VHT20_Nss1,(MCS0)_1TX **PSD**

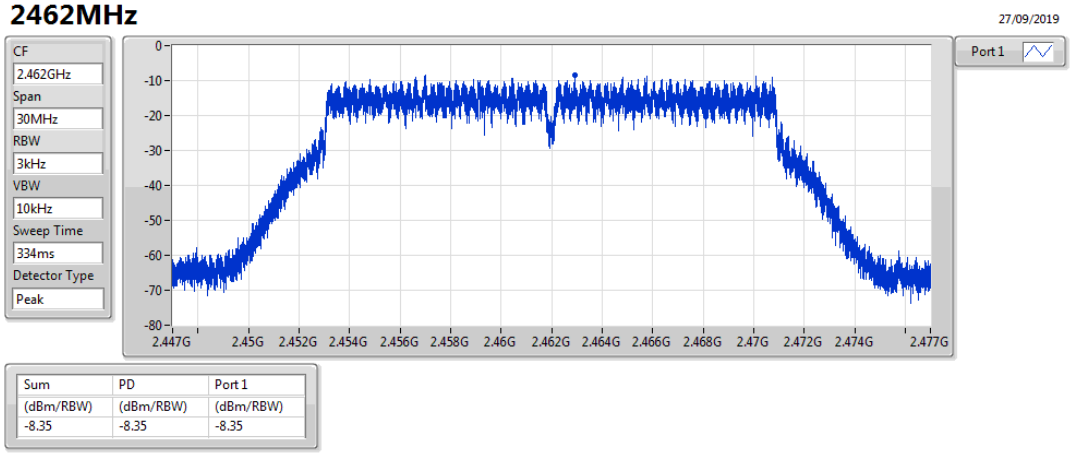
2437MHz



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

VHT20_Nss1,(MCS0)_1TX **PSD**

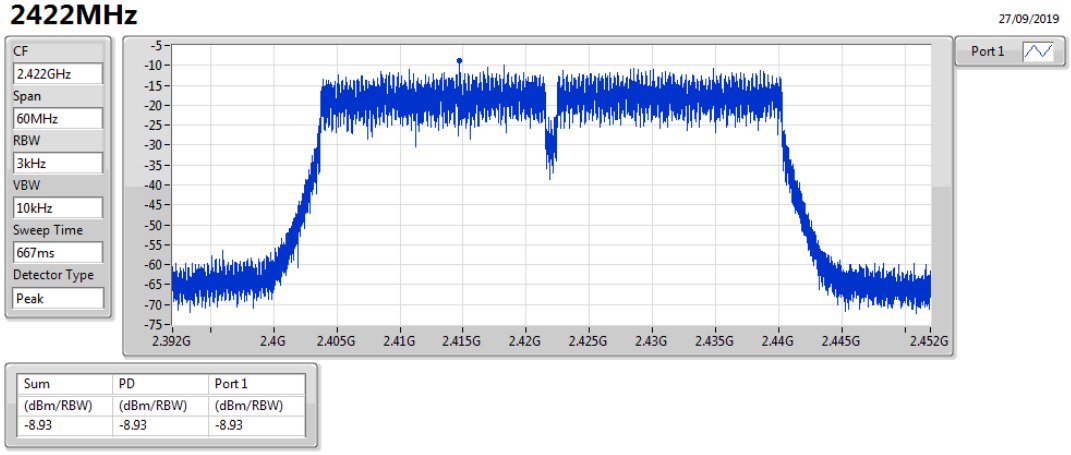
2462MHz



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

VHT40_Nss1,(MCS0)_1TX **PSD**

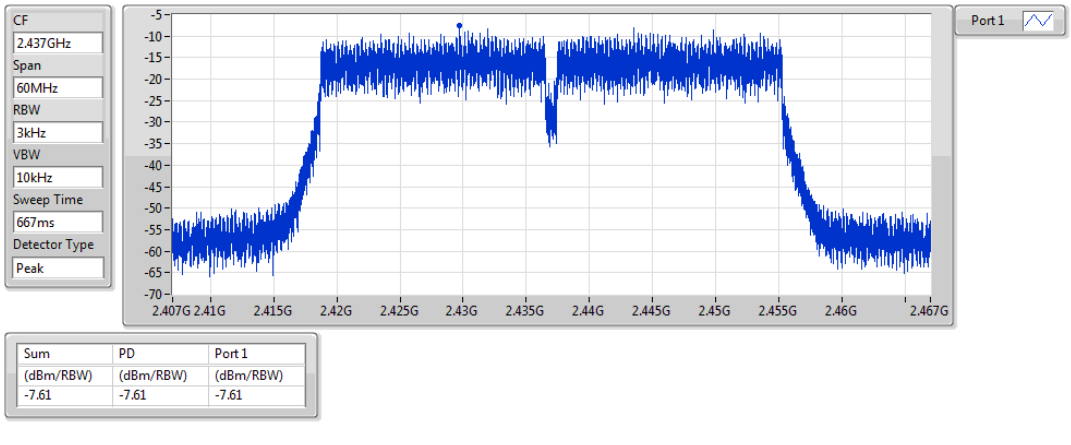
2422MHz



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

VHT40_Nss1,(MCS0)_1TX **PSD**

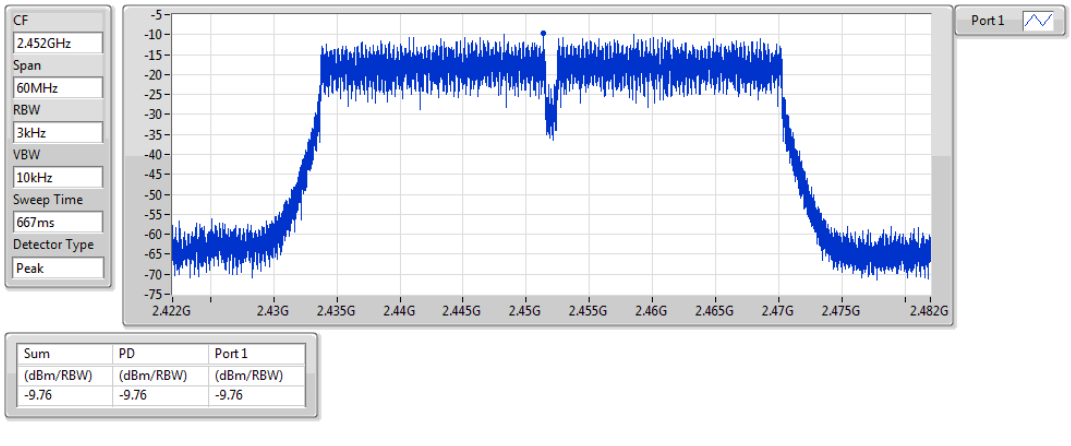
2437MHz



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

VHT40_Nss1,(MCS0)_1TX **PSD**

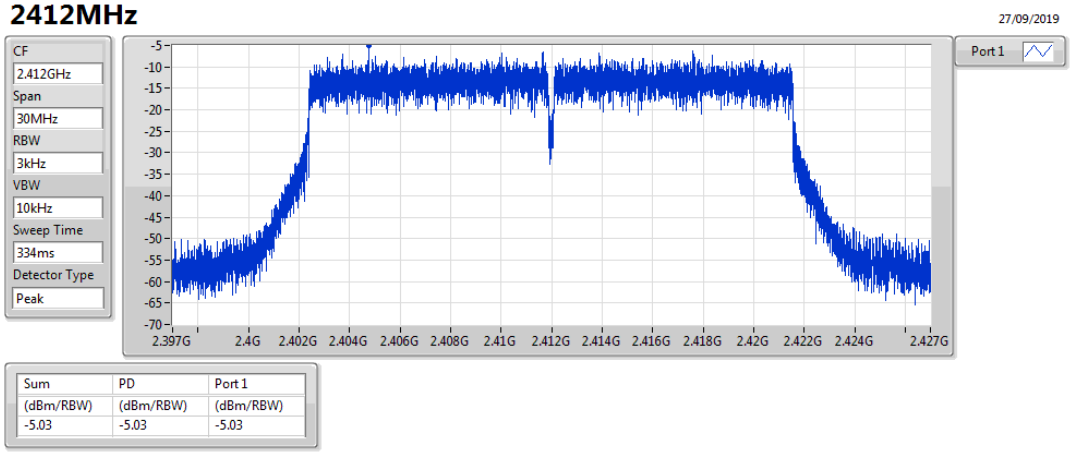
2452MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

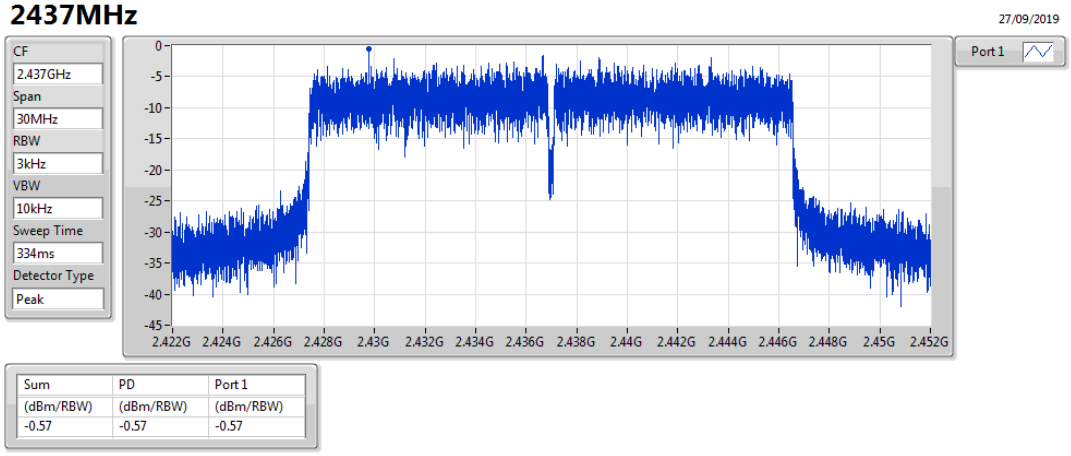
2412MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

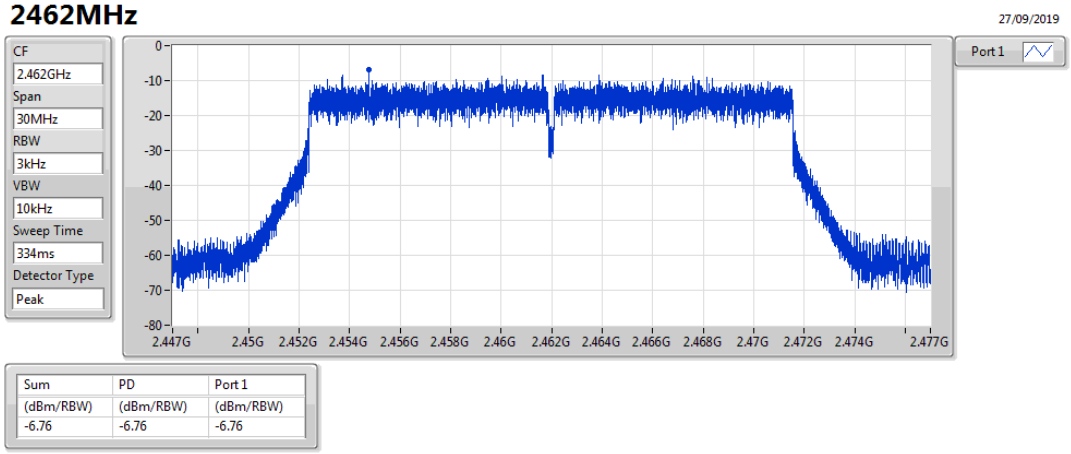
2437MHz



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

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

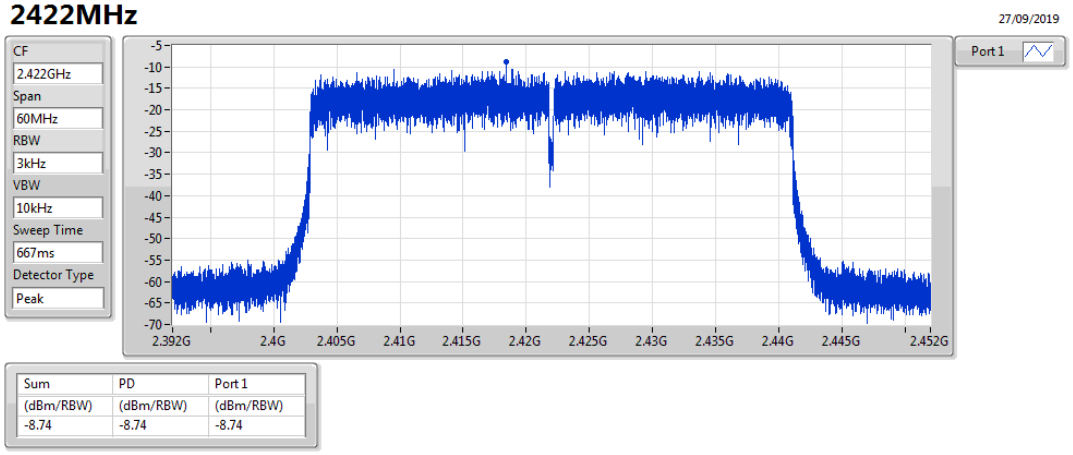
2462MHz



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

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

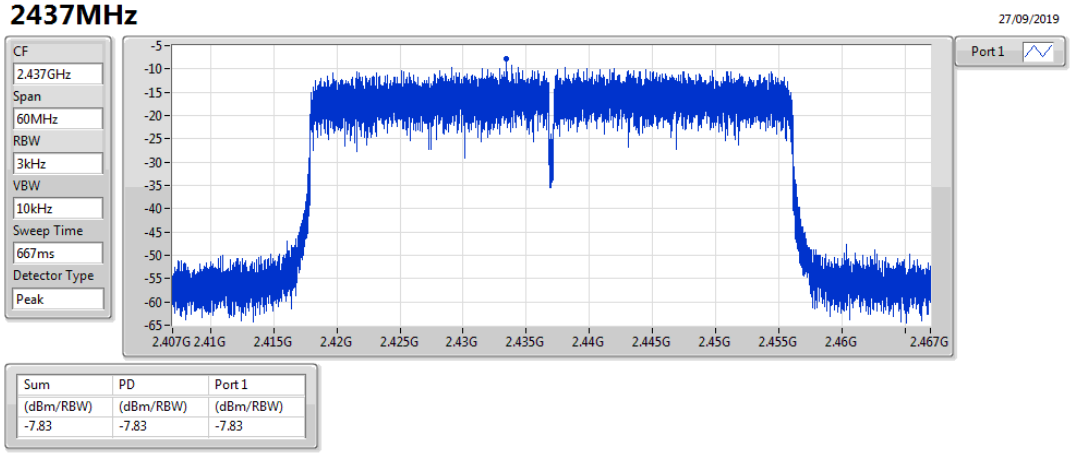
2422MHz



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

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

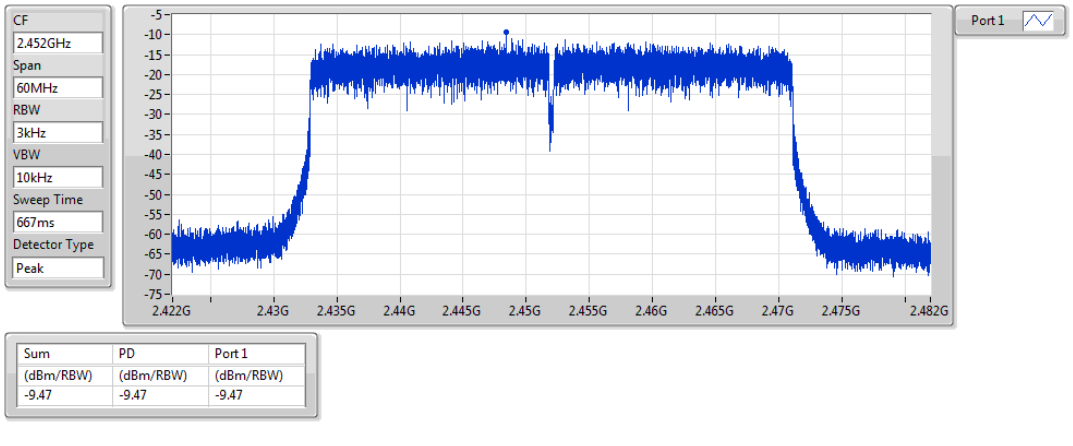
2437MHz



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.

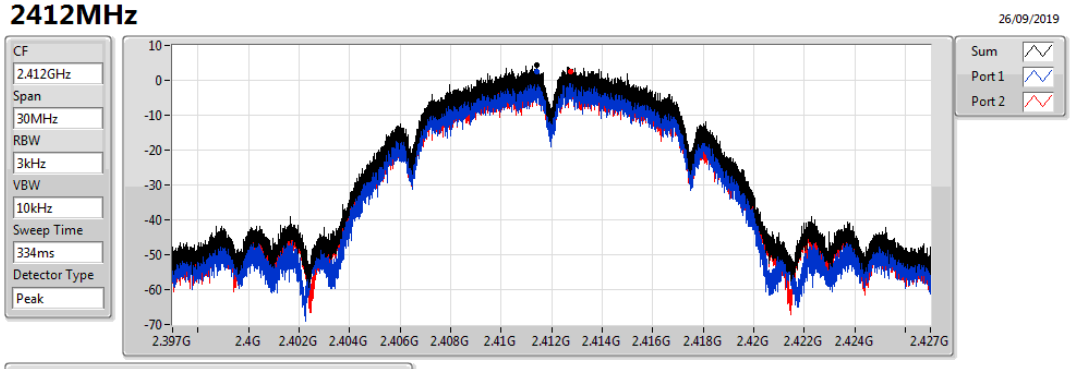
Result

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

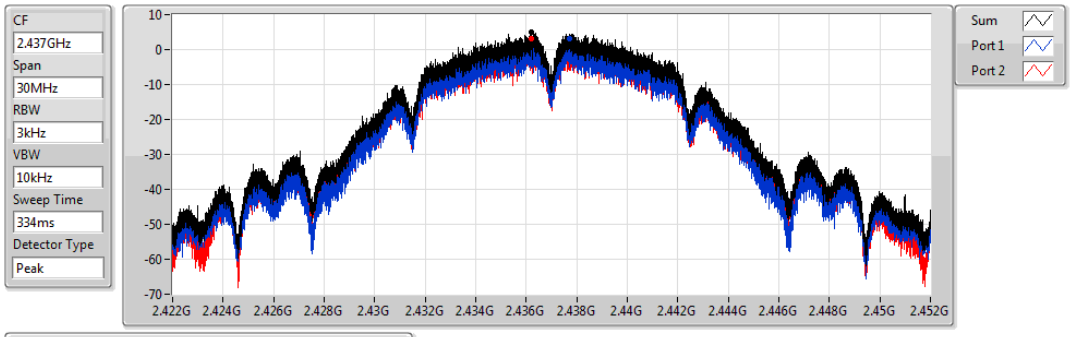
2412MHz



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

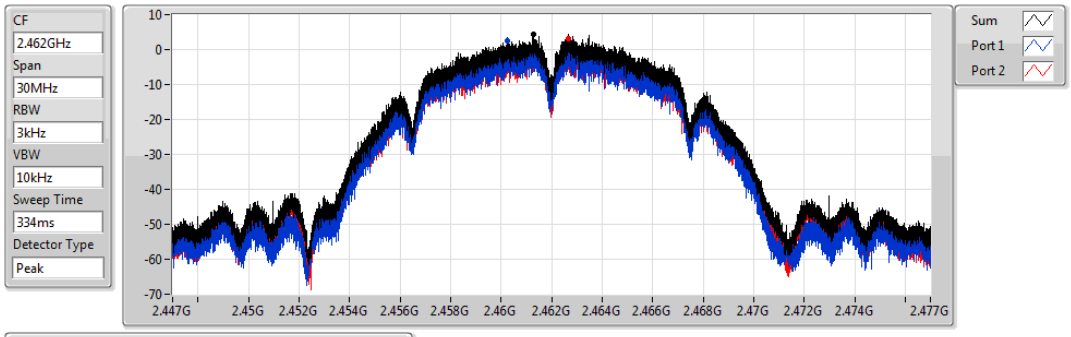
2437MHz



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

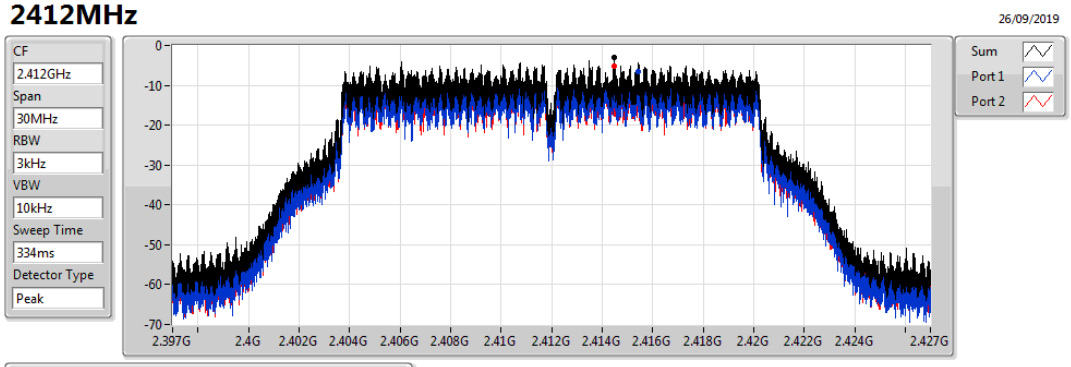
2462MHz



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

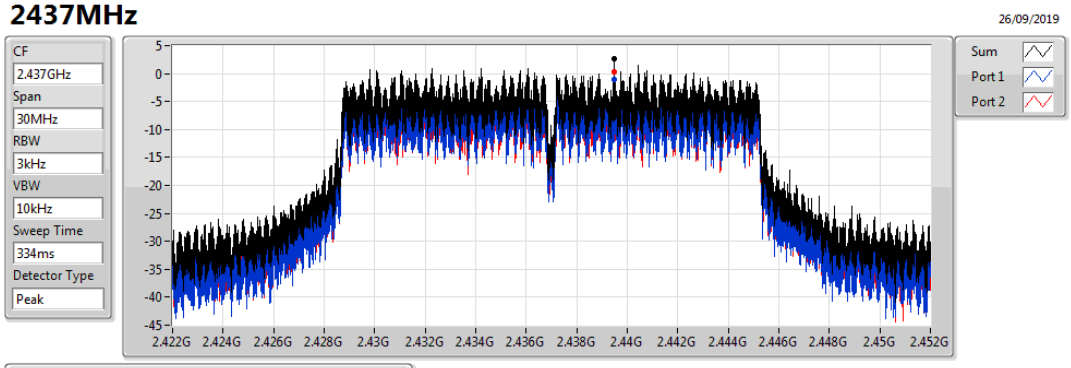
2412MHz



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

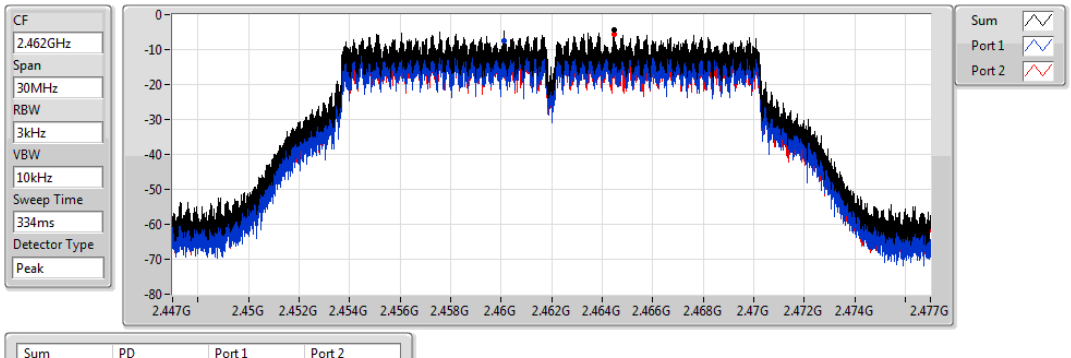
2437MHz



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

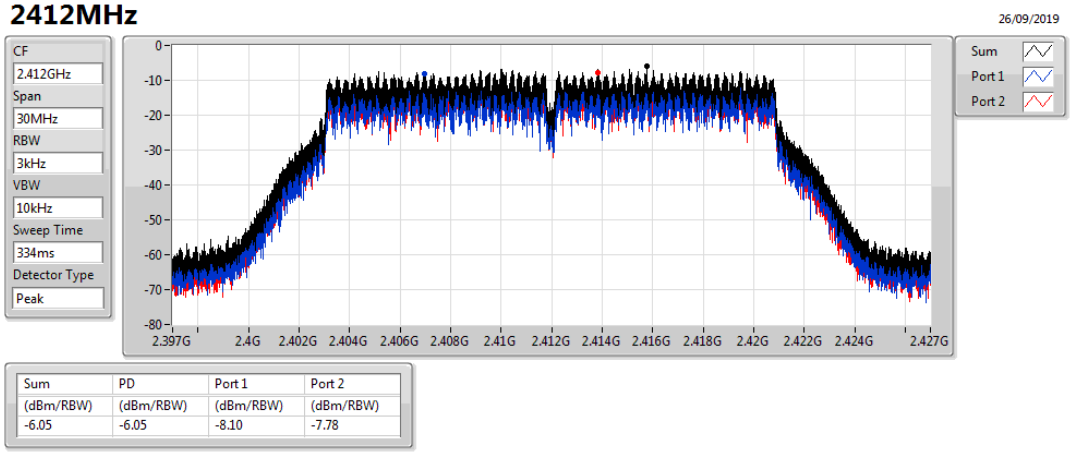
2462MHz



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

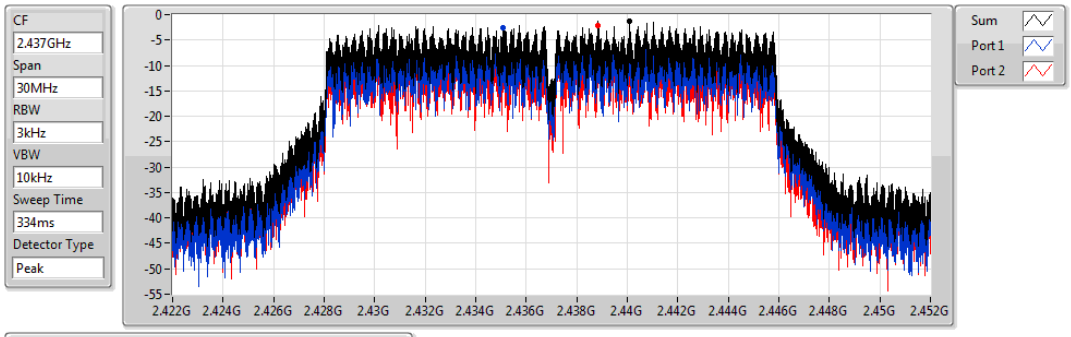
2412MHz



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

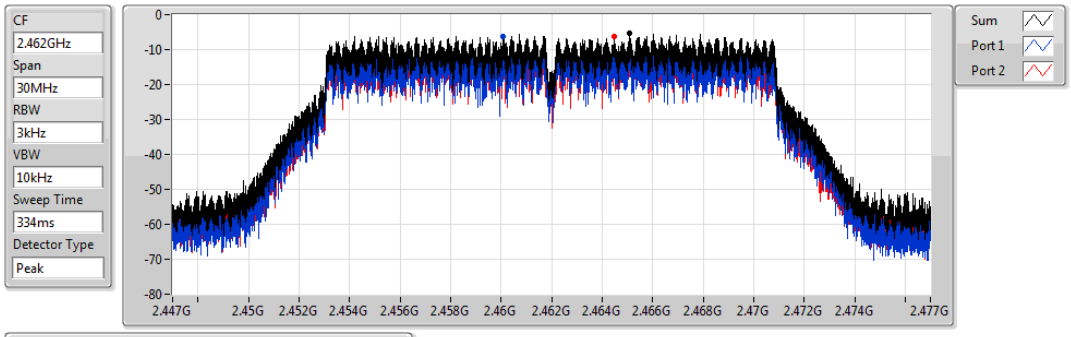
2437MHz



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

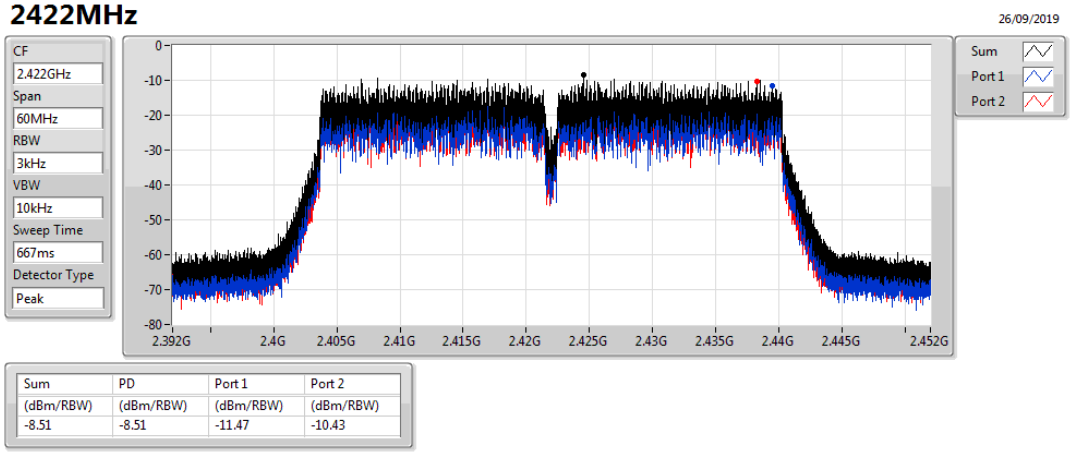
2462MHz



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

VHT40_Nss2,(MCS0)_2TX **PSD**

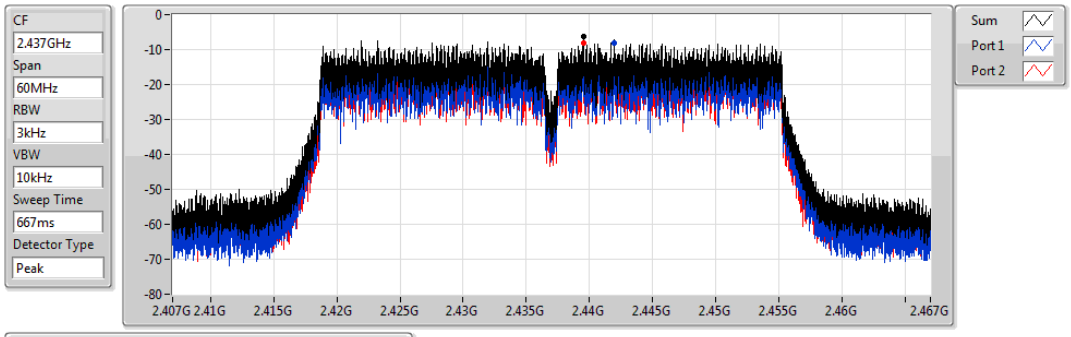
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.51	-8.51	-11.47	-10.43

VHT40_Nss2,(MCS0)_2TX **PSD**

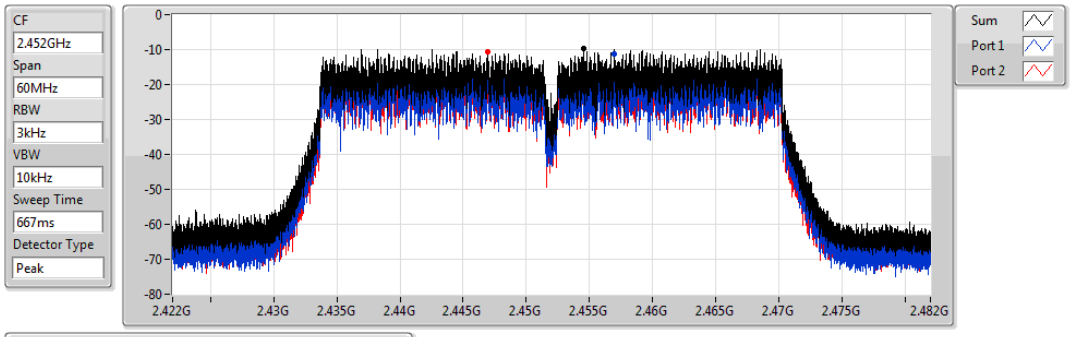
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.15	-6.15	-8.20	-8.18

VHT40_Nss2,(MCS0)_2TX **PSD**

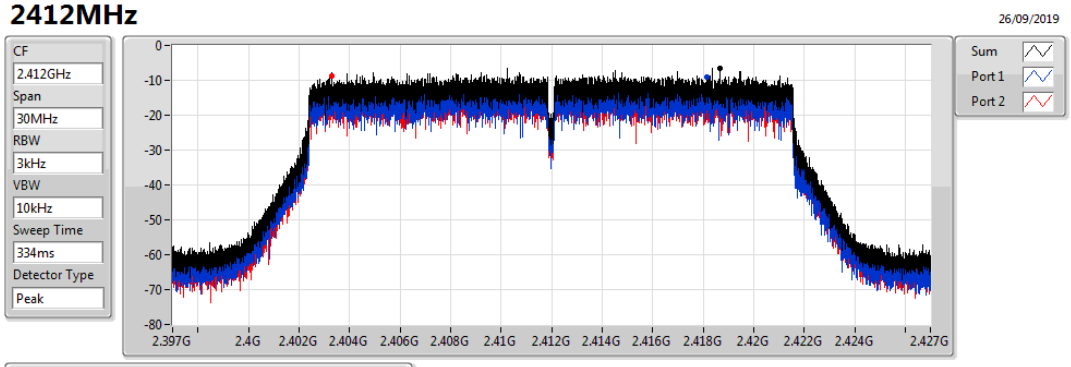
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.84	-9.84	-11.11	-10.76

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

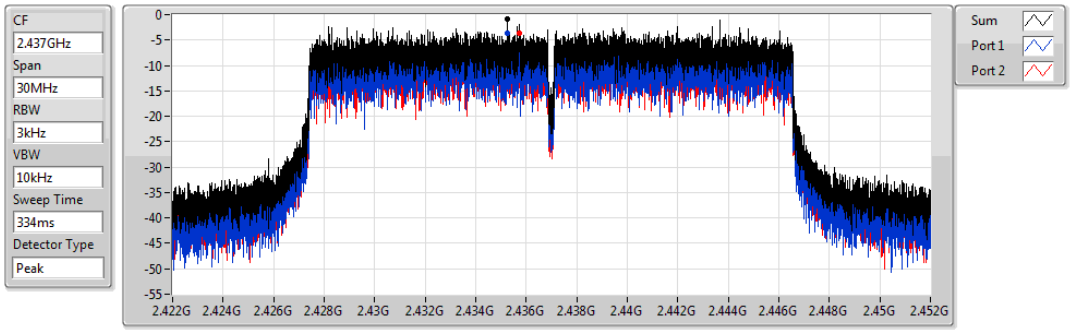
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.43	-6.43	-9.16	-8.69

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

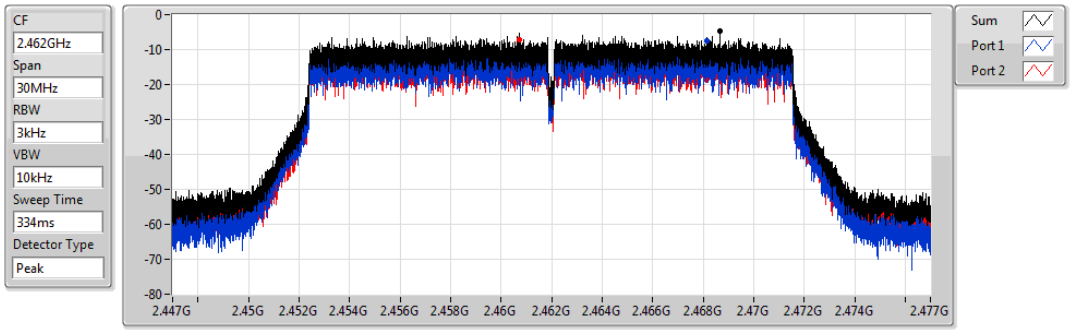
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.92	-0.92	-3.75	-3.62

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

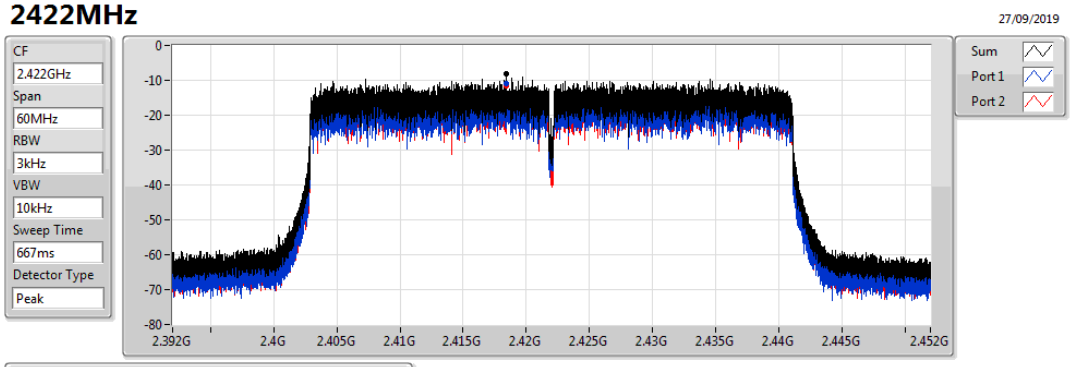
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.80	-4.80	-7.39	-7.15

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

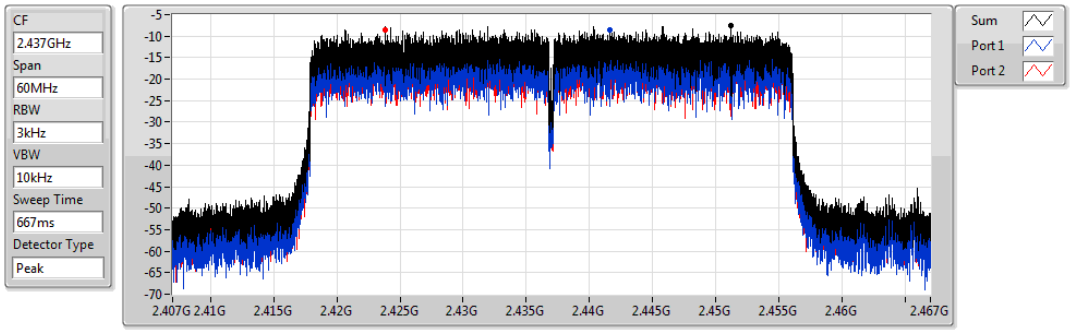
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.21	-8.21	-10.93	-11.43

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

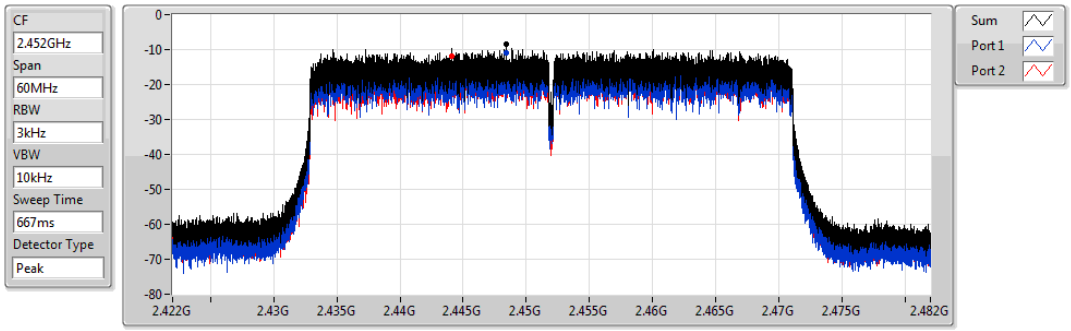
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.47	-7.47	-8.67	-8.55

802.11ax HEW40_Nss2,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.48	-8.48	-10.91	-12.02

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	0.72
VHT40-BF_Nss1,(MCS0)_2TX	-5.12
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-0.11
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-5.47

RBW=3 kHz.

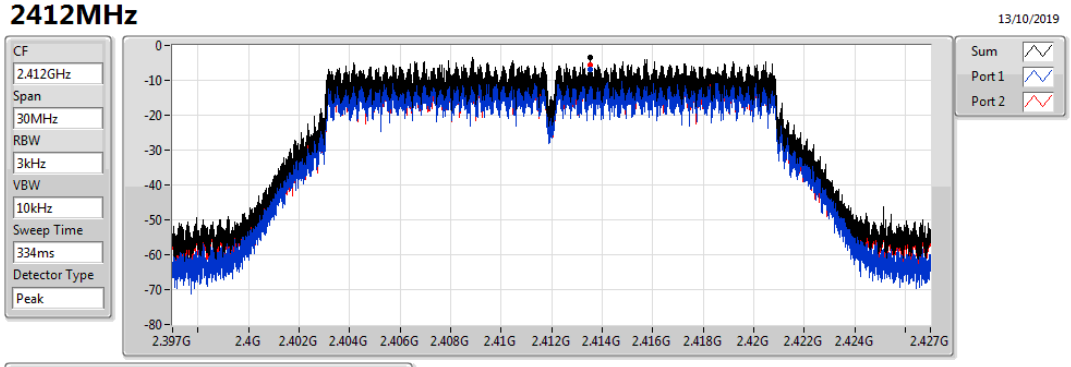
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.57	-7.01	-5.70	-3.30	6.43
2437MHz	Pass	7.57	-2.88	-1.52	0.72	6.43
2462MHz	Pass	7.57	-7.59	-5.93	-3.76	6.43
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.57	-9.40	-8.89	-6.25	6.43
2437MHz	Pass	7.57	-8.29	-7.96	-5.12	6.43
2452MHz	Pass	7.57	-10.17	-9.17	-6.63	6.43
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.57	-7.34	-5.17	-3.41	6.43
2437MHz	Pass	7.57	-3.27	-1.08	-0.11	6.43
2462MHz	Pass	7.57	-6.89	-6.59	-3.81	6.43
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.57	-10.64	-9.30	-6.91	6.43
2437MHz	Pass	7.57	-9.29	-7.79	-5.47	6.43
2452MHz	Pass	7.57	-11.04	-9.58	-7.24	6.43

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;

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

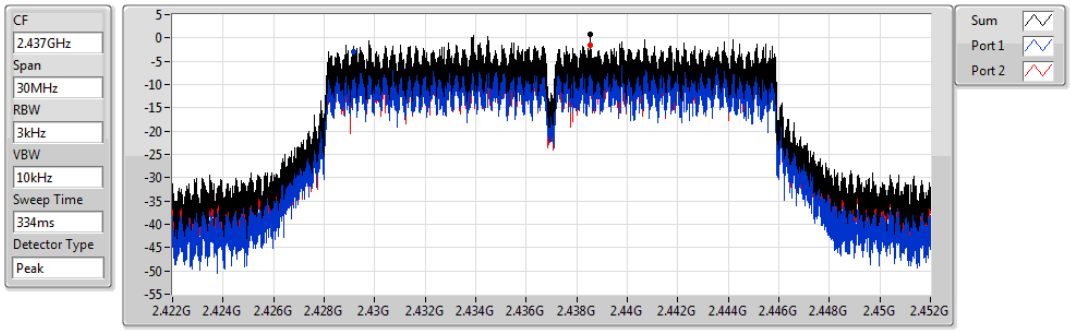
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.30	-3.30	-7.01	-5.70

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

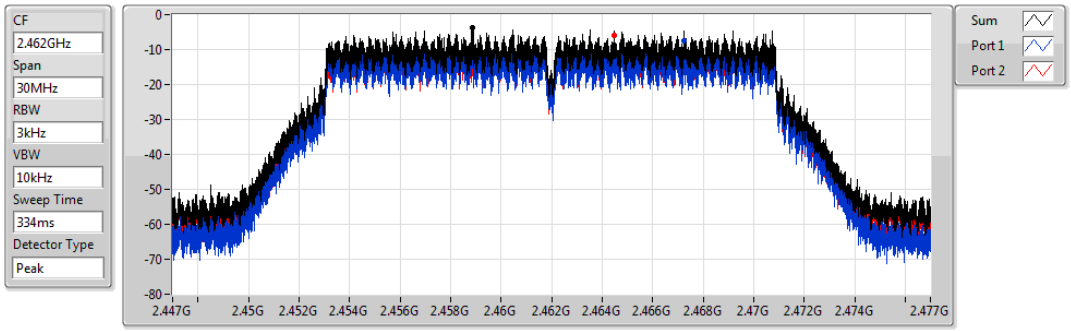
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.72	0.72	-2.88	-1.52

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

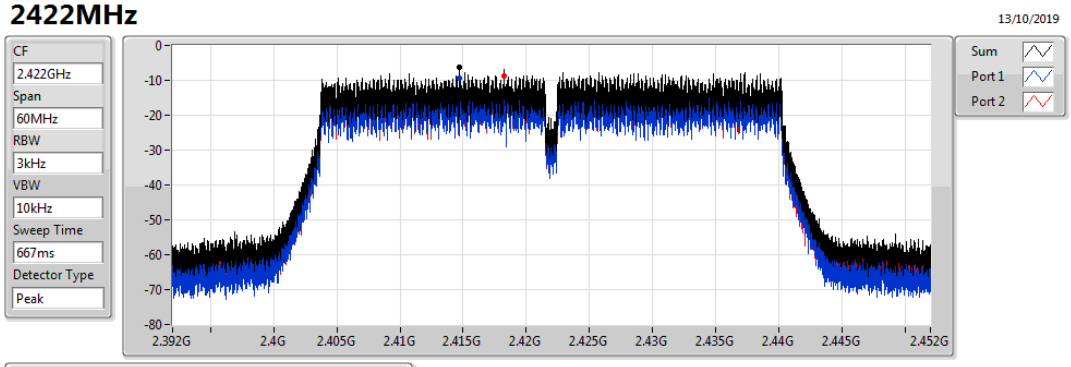
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.76	-3.76	-7.59	-5.93

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

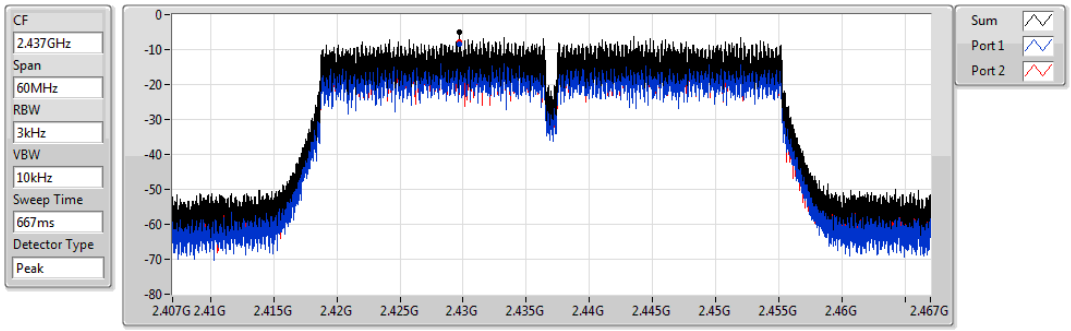
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.25	-6.25	-9.40	-8.89

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

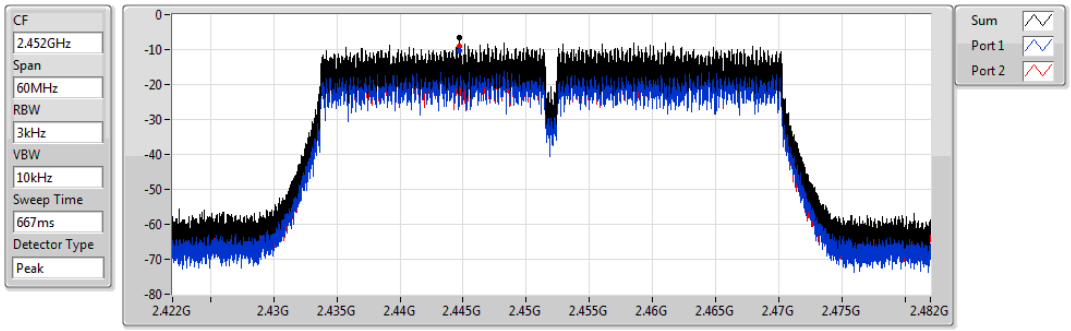
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.12	-5.12	-8.29	-7.96

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

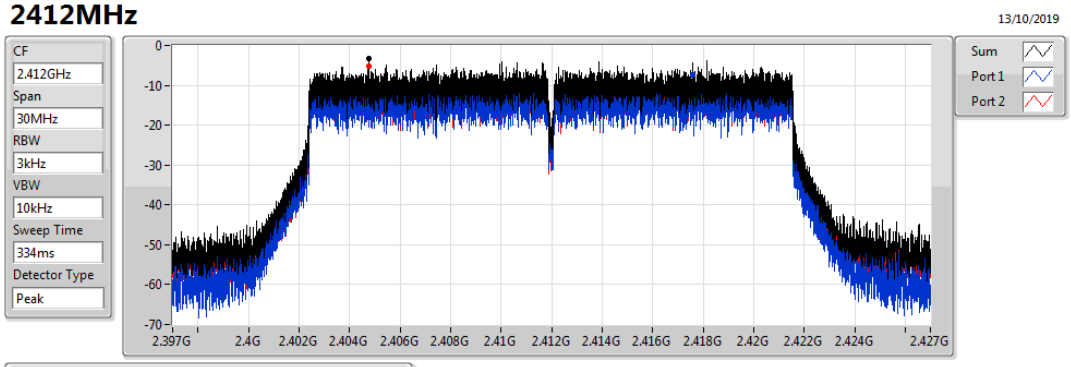
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.63	-6.63	-10.17	-9.17

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

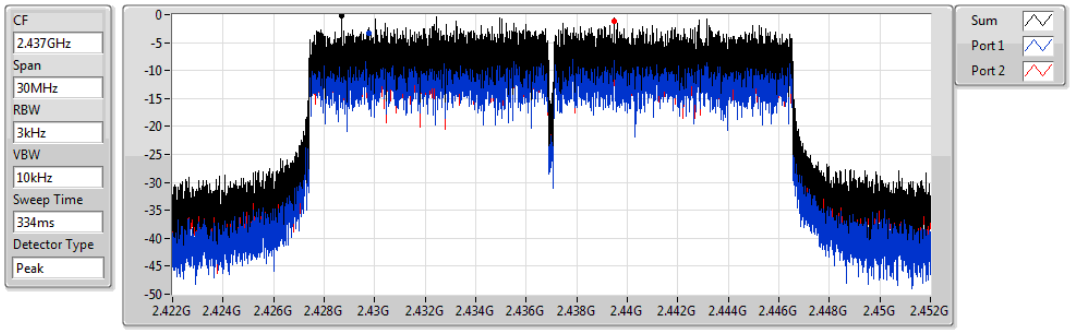
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.41	-3.41	-7.34	-5.17

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

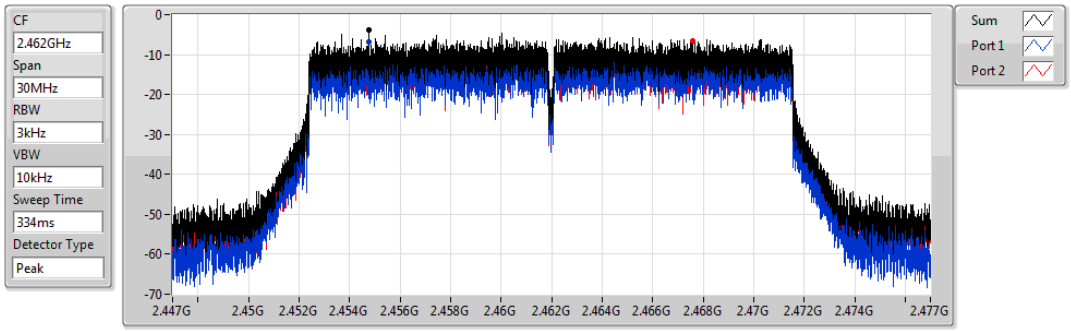
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.11	-0.11	-3.27	-1.08

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

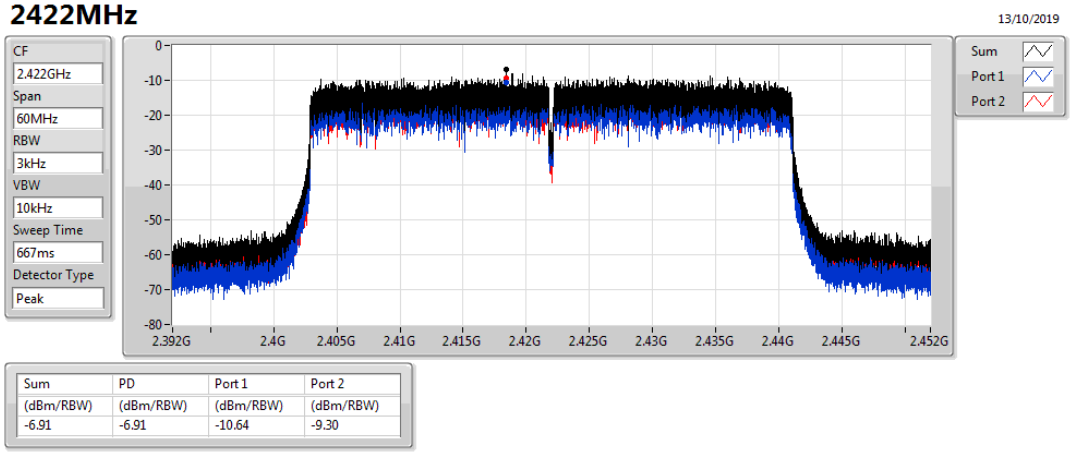
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.81	-3.81	-6.89	-6.59

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

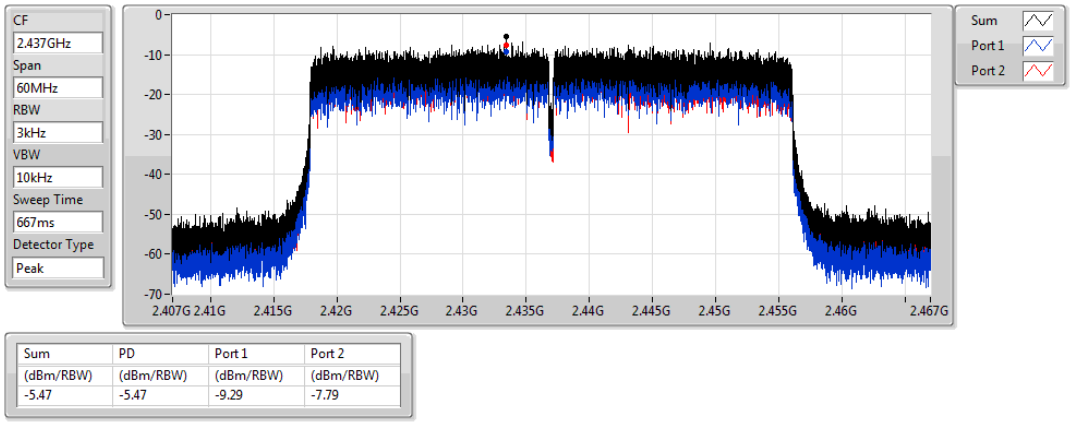
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-10.64	-9.30

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

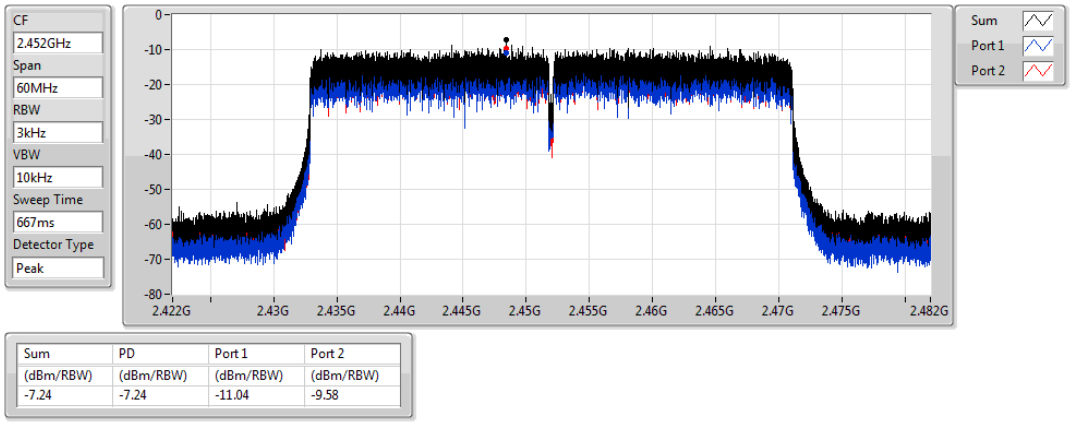
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.47	-5.47	-9.29	-7.79

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.24	-7.24	-11.04	-9.58

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX	2.05
802.11g_Nss1,(6Mbps)_1TX	-2.45
VHT20_Nss1,(MCS0)_1TX	-3.64
VHT40_Nss1,(MCS0)_1TX	-9.01
802.11ax HEW20_Nss1,(MCS0)_1TX	-2.88
802.11ax HEW40_Nss1,(MCS0)_1TX	-9.91

RBW=3 kHz.

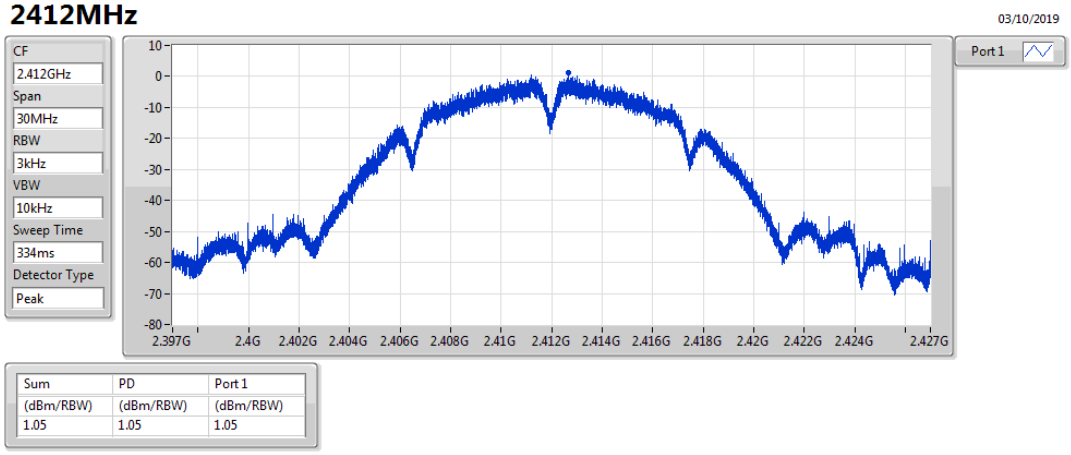
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.47	1.05	1.05	8.00
2437MHz	Pass	4.47	1.53	1.53	8.00
2462MHz	Pass	4.47	2.05	2.05	8.00
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-
2412MHz	Pass	4.47	-8.06	-8.06	8.00
2437MHz	Pass	4.47	-2.45	-2.45	8.00
2462MHz	Pass	4.47	-8.52	-8.52	8.00
VHT20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.47	-8.22	-8.22	8.00
2437MHz	Pass	4.47	-3.64	-3.64	8.00
2462MHz	Pass	4.47	-10.56	-10.56	8.00
VHT40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.47	-10.45	-10.45	8.00
2437MHz	Pass	4.47	-9.01	-9.01	8.00
2452MHz	Pass	4.47	-10.34	-10.34	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-
2412MHz	Pass	4.47	-7.26	-7.26	8.00
2437MHz	Pass	4.47	-2.88	-2.88	8.00
2462MHz	Pass	4.47	-9.45	-9.45	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-
2422MHz	Pass	4.47	-11.54	-11.54	8.00
2437MHz	Pass	4.47	-9.91	-9.91	8.00
2452MHz	Pass	4.47	-11.31	-11.31	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

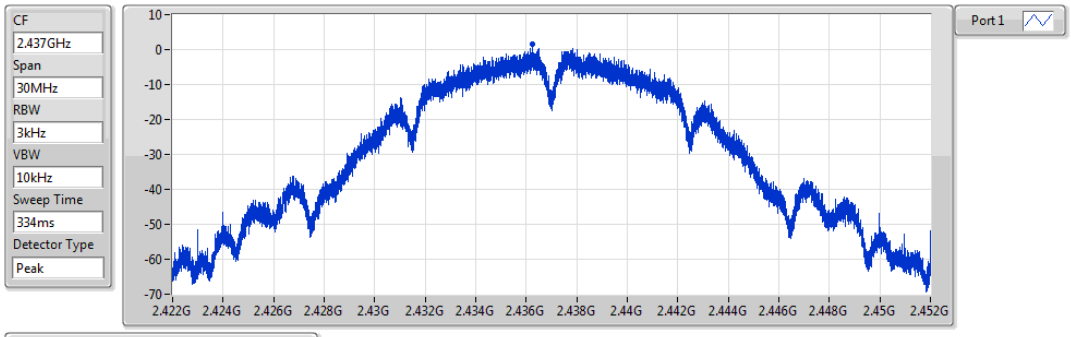
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.05	1.05	1.05

802.11b_Nss1,(1Mbps)_1TX PSD

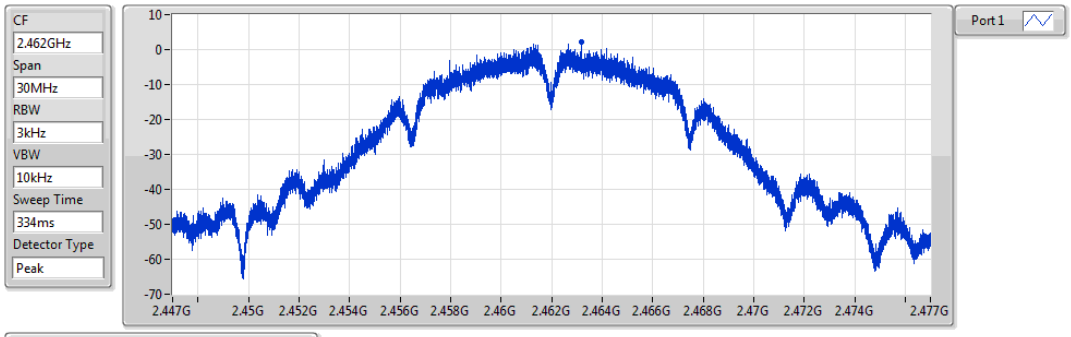
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.53	1.53	1.53

802.11b_Nss1,(1Mbps)_1TX PSD

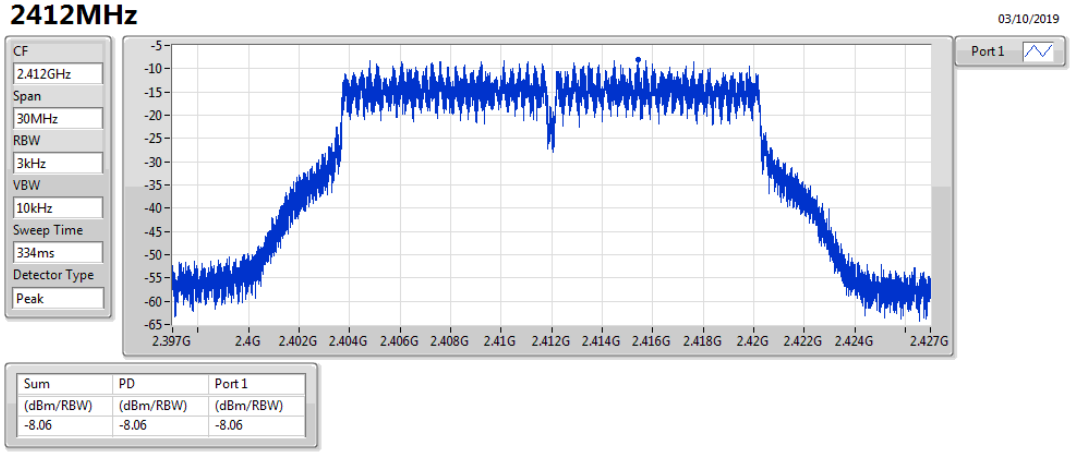
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
2.05	2.05	2.05

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

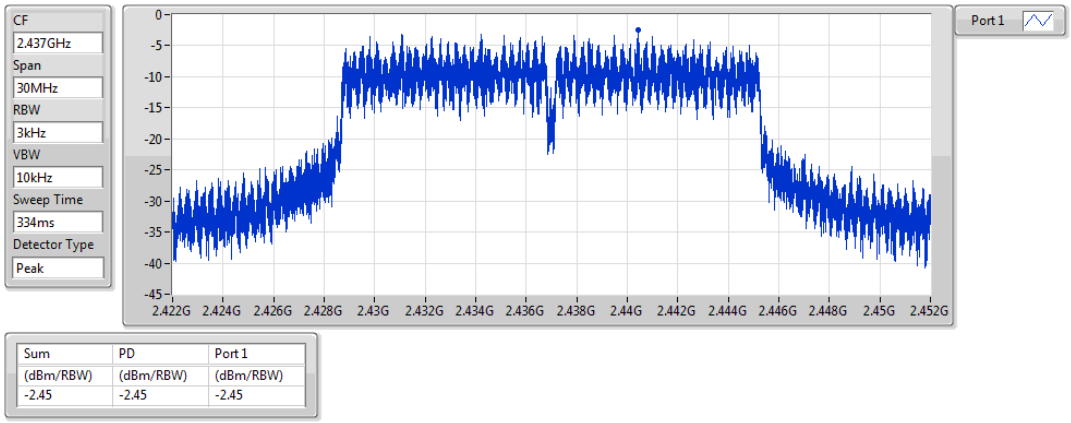
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.06	-8.06	-8.06

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

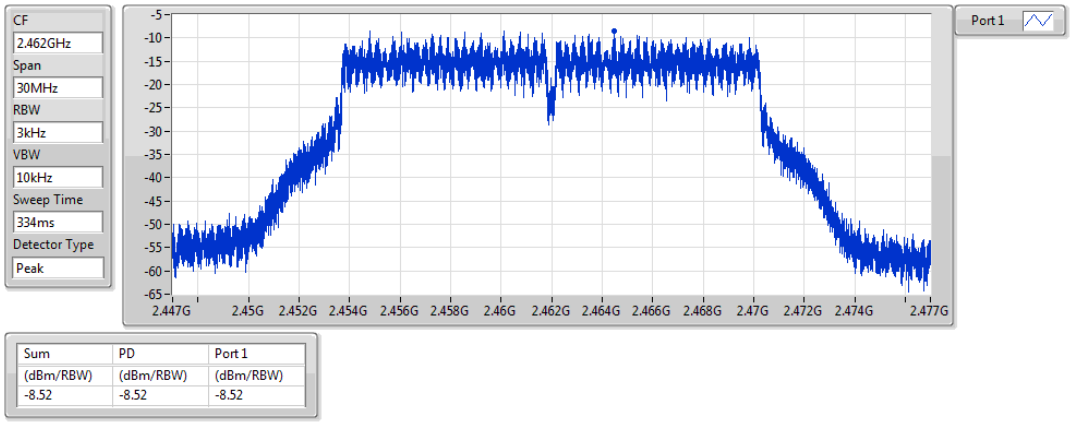
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.45	-2.45	-2.45

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

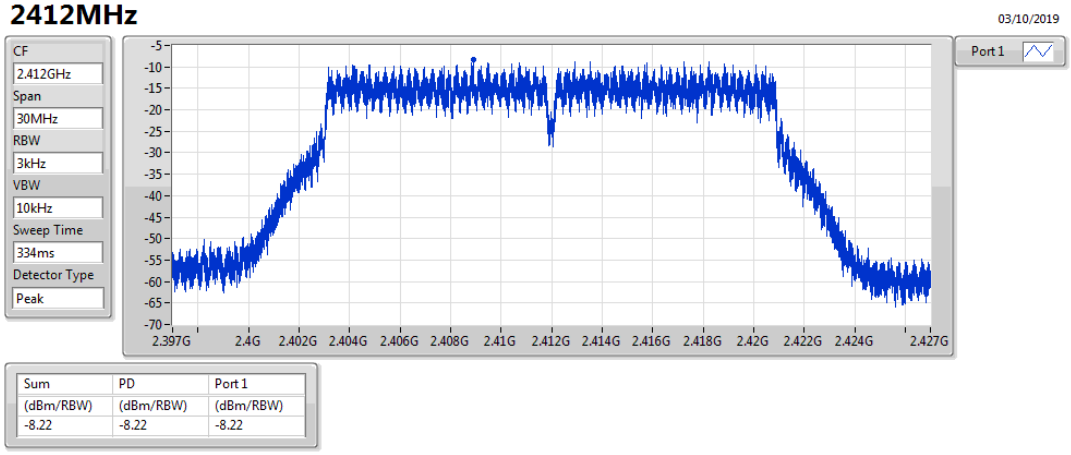
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.52	-8.52	-8.52

VHT20_Nss1,(MCS0)_1TX **PSD**

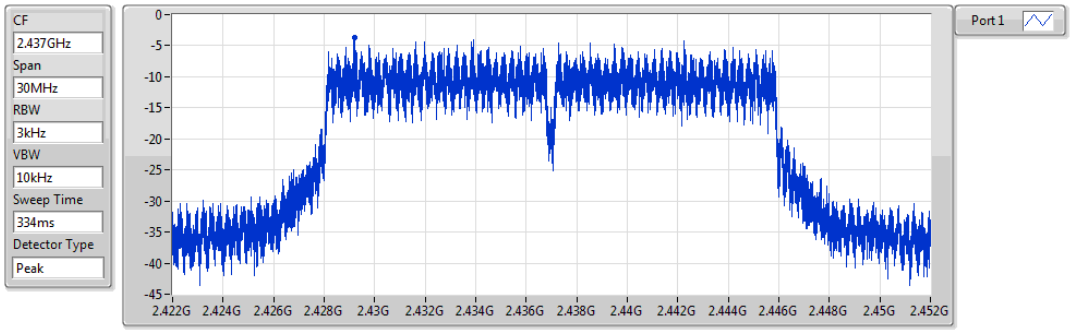
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.22	-8.22	-8.22

VHT20_Nss1,(MCS0)_1TX **PSD**

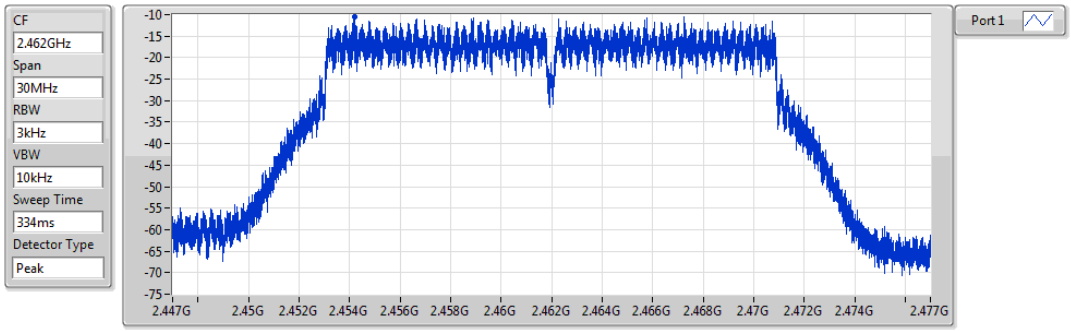
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.64	-3.64	-3.64

VHT20_Nss1,(MCS0)_1TX **PSD**

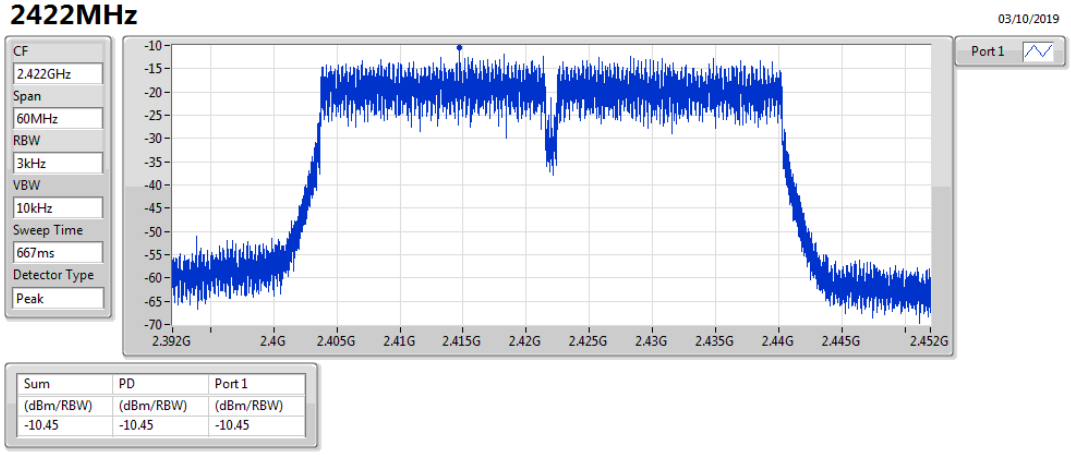
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.56	-10.56	-10.56

VHT40_Nss1,(MCS0)_1TX **PSD**

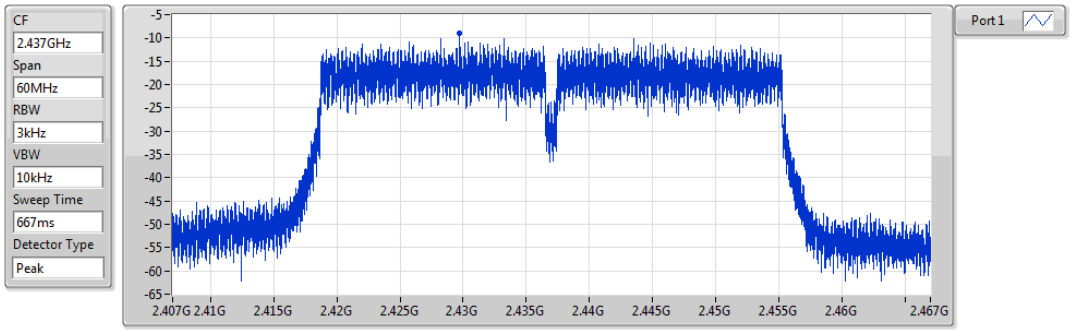
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.45	-10.45	-10.45

VHT40_Nss1,(MCS0)_1TX **PSD**

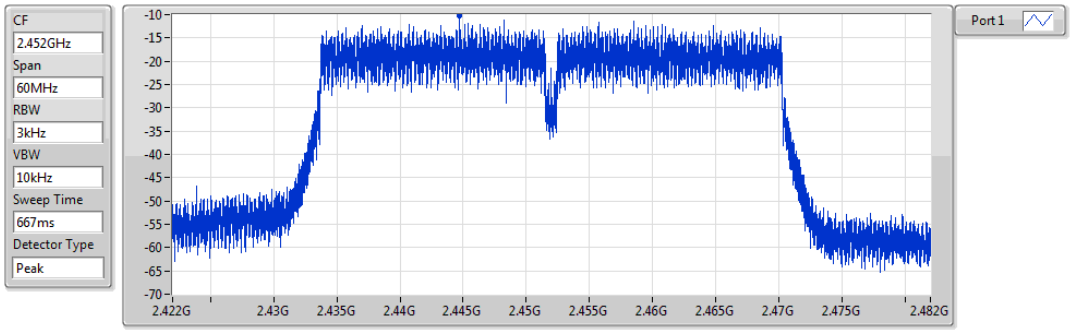
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.01	-9.01	-9.01

VHT40_Nss1,(MCS0)_1TX **PSD**

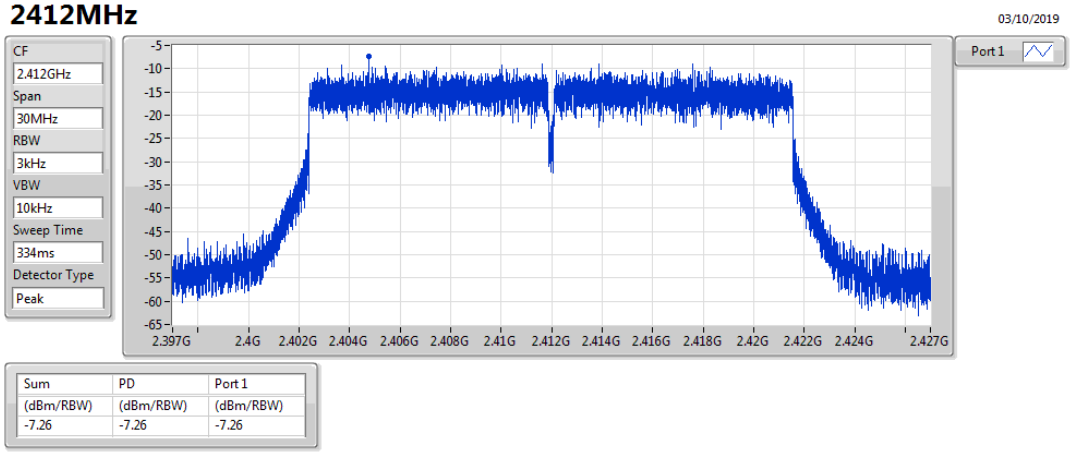
2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.34	-10.34	-10.34

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

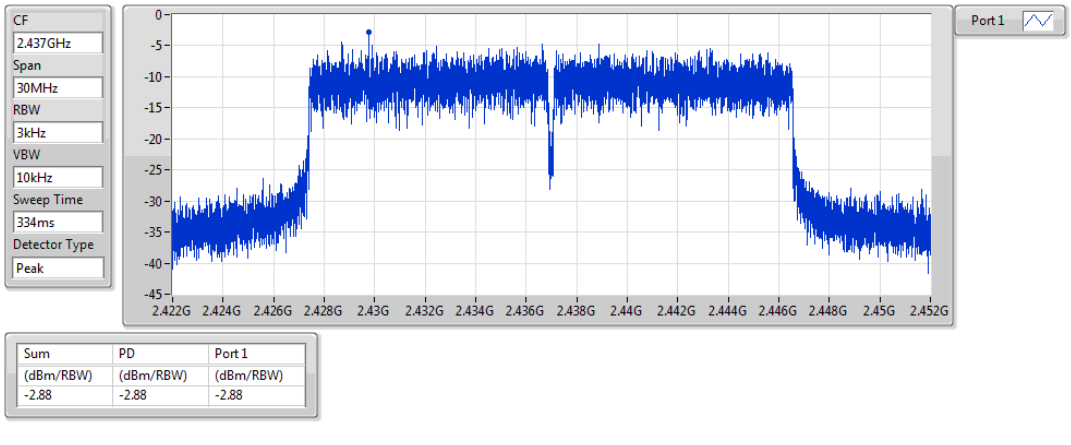
2412MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-7.26

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

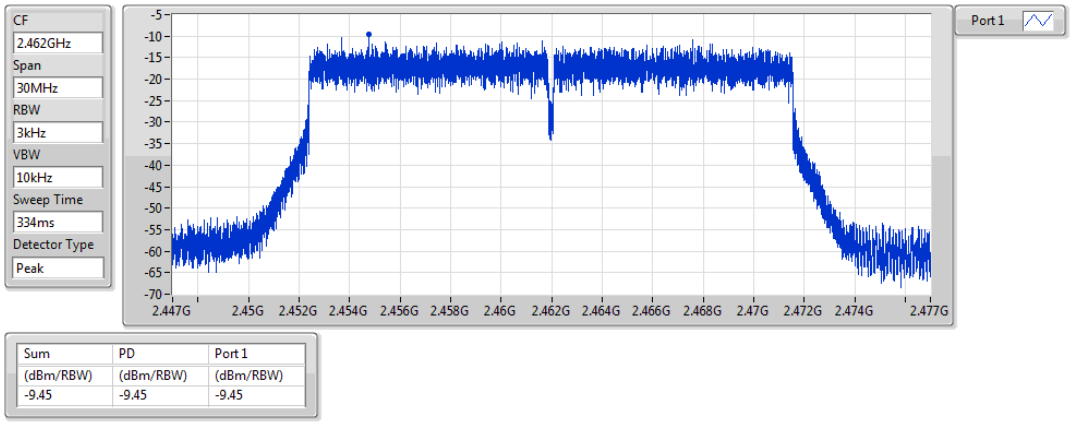
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.88	-2.88	-2.88

802.11ax HEW20_Nss1,(MCS0)_1TX PSD

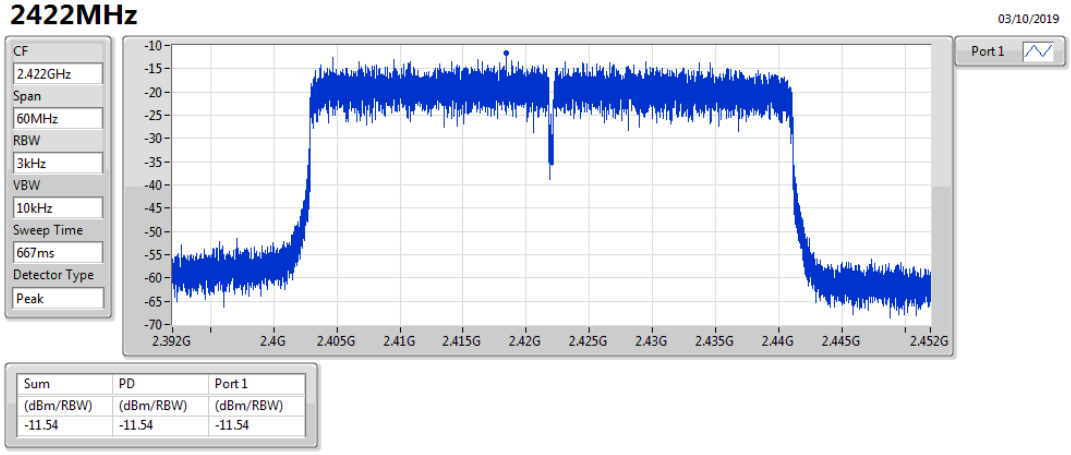
2462MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.45	-9.45	-9.45

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

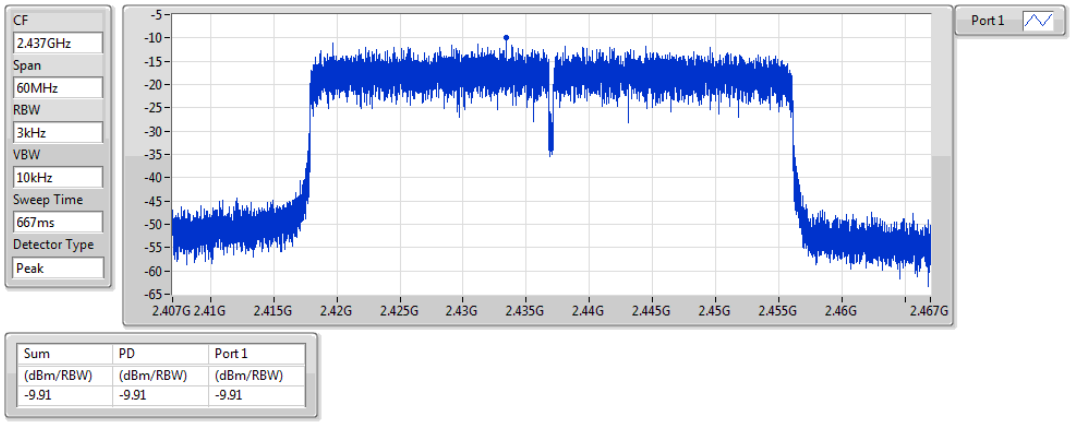
2422MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.54	-11.54	-11.54

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

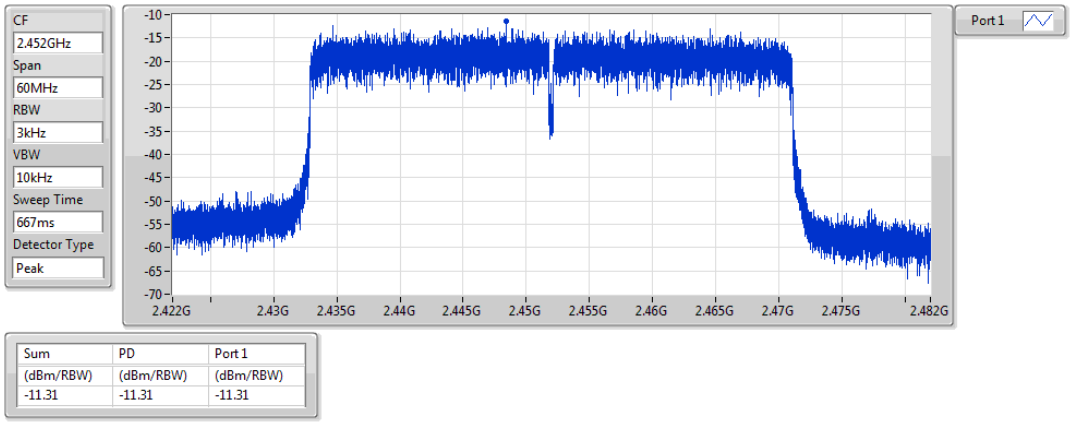
2437MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.91	-9.91	-9.91

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

2452MHz



Sum	PD	Port 1
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.31	-11.31	-11.31

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.38
802.11g_Nss1,(6Mbps)_2TX	-1.32
VHT20_Nss2,(MCS0)_2TX	-3.25
VHT40_Nss2,(MCS0)_2TX	-9.68
802.11ax HEW20_Nss2,(MCS0)_2TX	-3.13
802.11ax HEW40_Nss2,(MCS0)_2TX	-10.15

RBW=3 kHz.

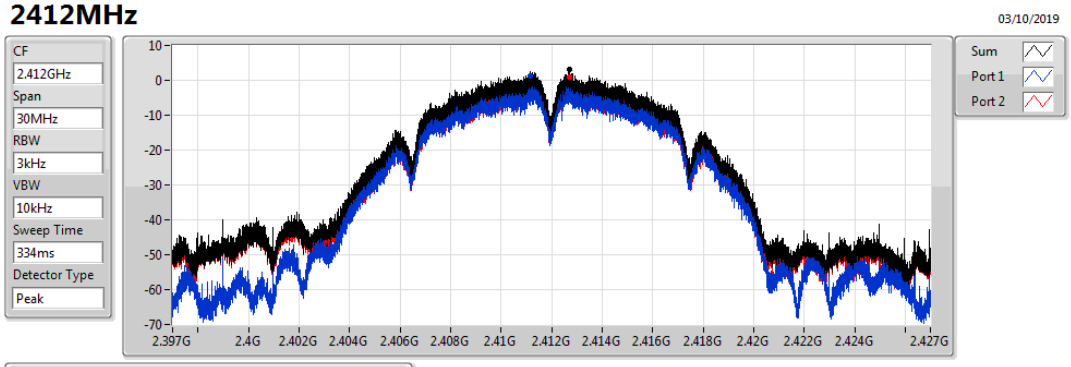
Result

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	7.48	1.12	0.87	3.13	6.52
2437MHz	Pass	7.48	1.94	1.50	3.38	6.52
2462MHz	Pass	7.48	0.21	0.18	1.97	6.52
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.48	-9.39	-8.91	-6.46	6.52
2437MHz	Pass	7.48	-4.24	-4.43	-1.32	6.52
2462MHz	Pass	7.48	-9.62	-8.33	-6.63	6.52
VHT20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.47	-9.94	-10.05	-8.49	8.00
2437MHz	Pass	4.47	-4.80	-4.09	-3.25	8.00
2462MHz	Pass	4.47	-9.04	-8.99	-7.51	8.00
VHT40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.47	-13.20	-12.79	-11.71	8.00
2437MHz	Pass	4.47	-11.13	-10.46	-9.68	8.00
2452MHz	Pass	4.47	-13.19	-12.31	-11.05	8.00
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.47	-11.26	-10.31	-8.07	8.00
2437MHz	Pass	4.47	-6.30	-5.25	-3.13	8.00
2462MHz	Pass	4.47	-10.38	-9.40	-7.14	8.00
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.47	-14.17	-13.56	-12.75	8.00
2437MHz	Pass	4.47	-12.24	-11.46	-10.15	8.00
2452MHz	Pass	4.47	-13.70	-13.10	-12.35	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

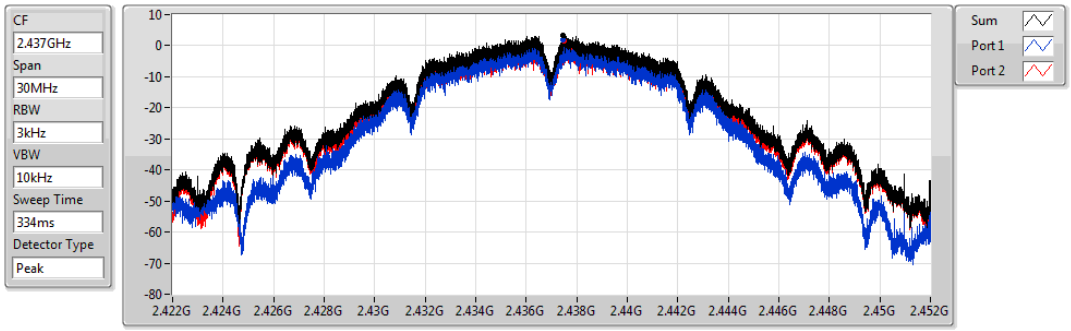
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.13	3.13	1.12	0.87

802.11b_Nss1,(1Mbps)_2TX PSD

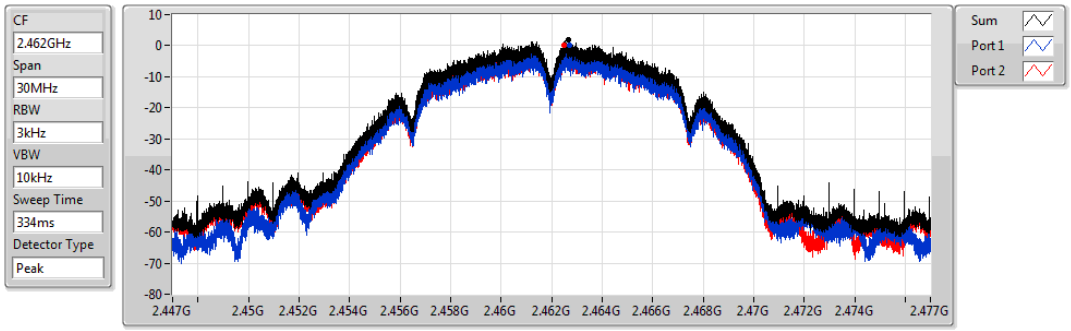
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.38	3.38	1.94	1.50

802.11b_Nss1,(1Mbps)_2TX PSD

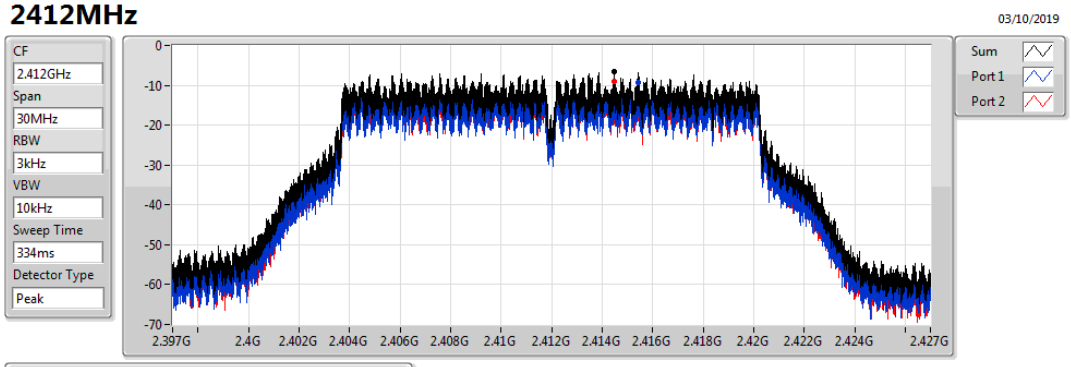
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.97	1.97	0.21	0.18

802.11g_Nss1,(6Mbps)_2TX PSD

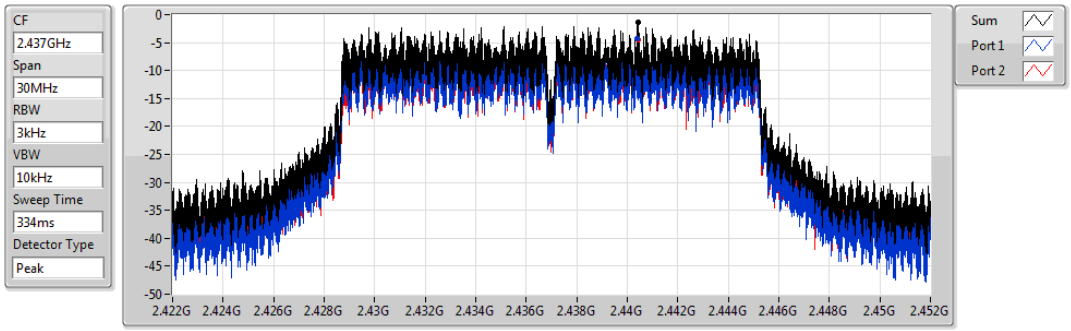
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.46	-6.46	-9.39	-8.91

802.11g_Nss1,(6Mbps)_2TX PSD

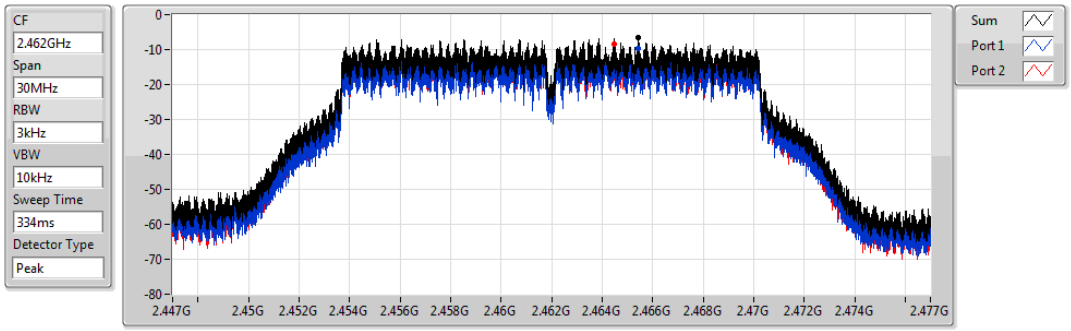
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.32	-1.32	-4.24	-4.43

802.11g_Nss1,(6Mbps)_2TX PSD

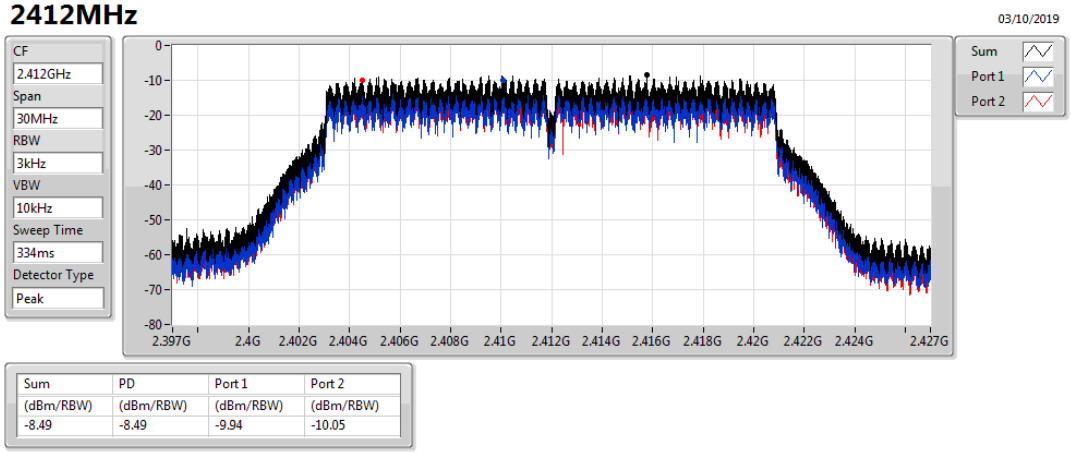
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.63	-6.63	-9.62	-8.33

VHT20_Nss2,(MCS0)_2TX PSD

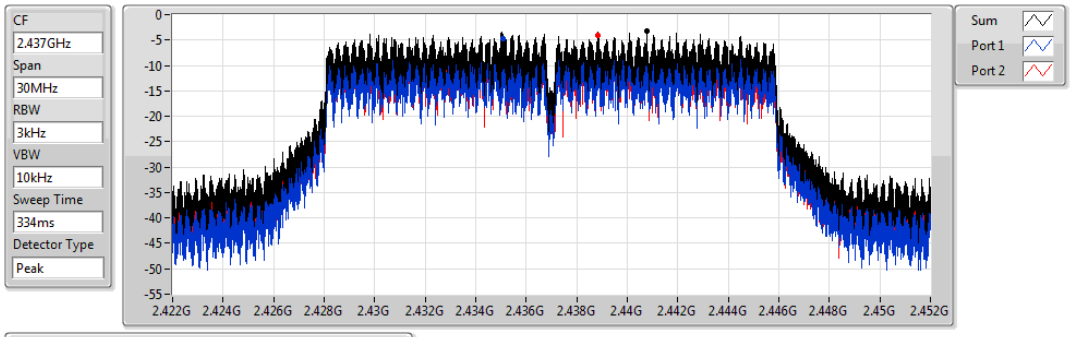
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.49	-8.49	-9.94	-10.05

VHT20_Nss2,(MCS0)_2TX PSD

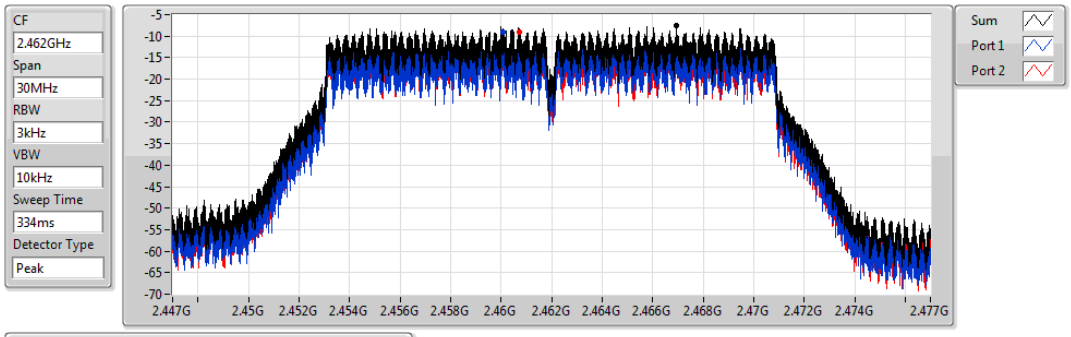
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.25	-3.25	-4.80	-4.09

VHT20_Nss2,(MCS0)_2TX PSD

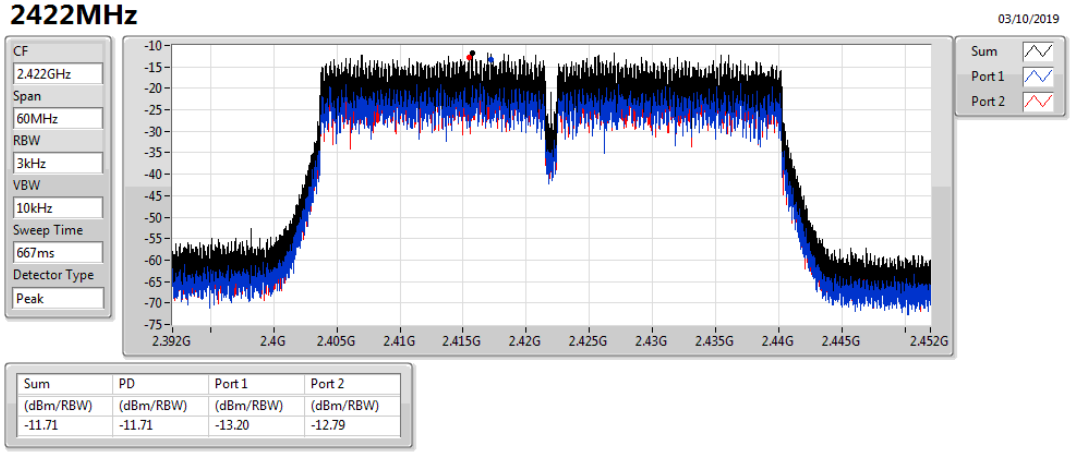
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.51	-7.51	-9.04	-8.99

VHT40_Nss2,(MCS0)_2TX PSD

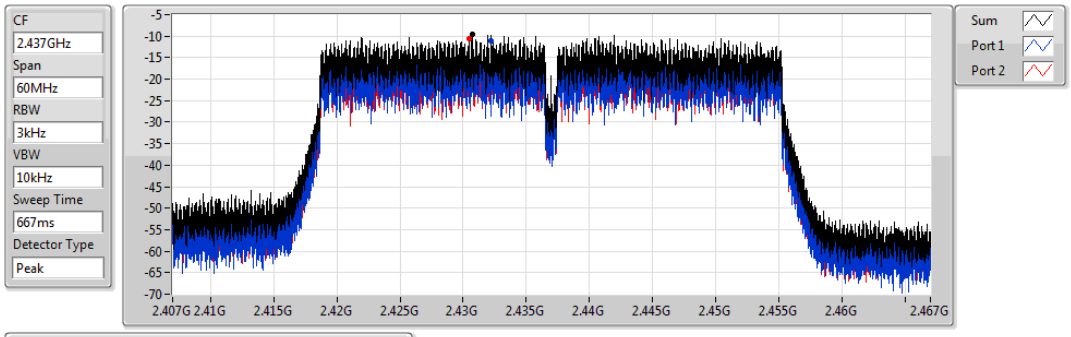
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.71	-11.71	-13.20	-12.79

VHT40_Nss2,(MCS0)_2TX PSD

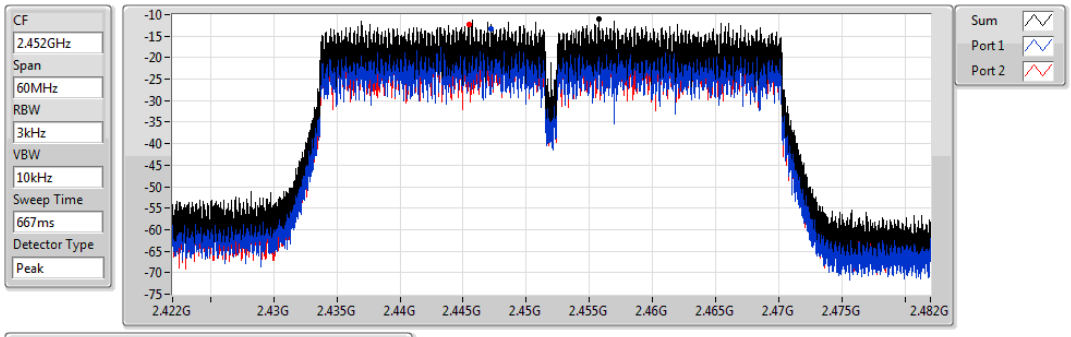
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.68	-9.68	-11.13	-10.46

VHT40_Nss2,(MCS0)_2TX PSD

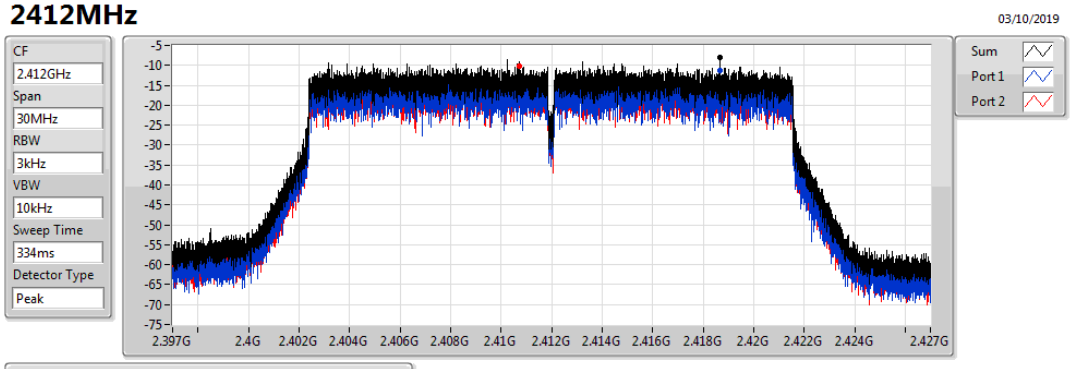
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.05	-11.05	-13.19	-12.31

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

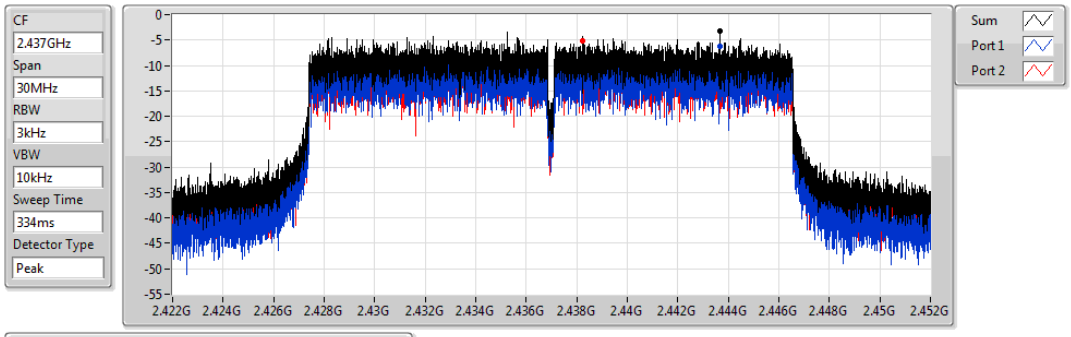
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.07	-8.07	-11.26	-10.31

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

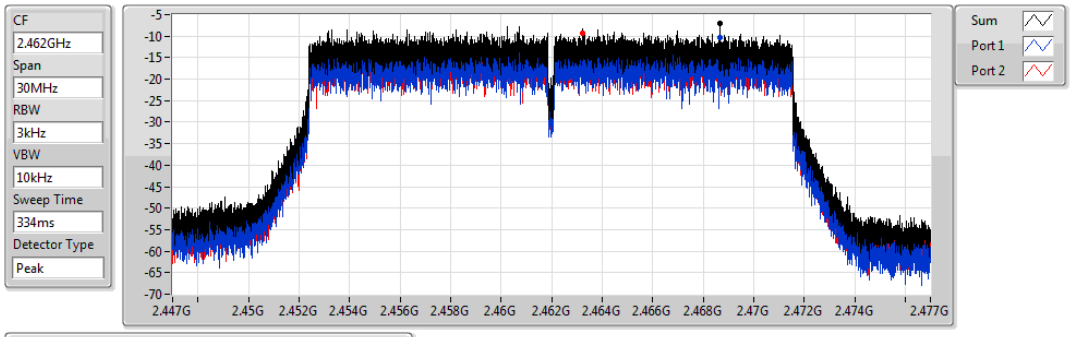
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.13	-3.13	-6.30	-5.25

802.11ax HEW20_Nss2,(MCS0)_2TX PSD

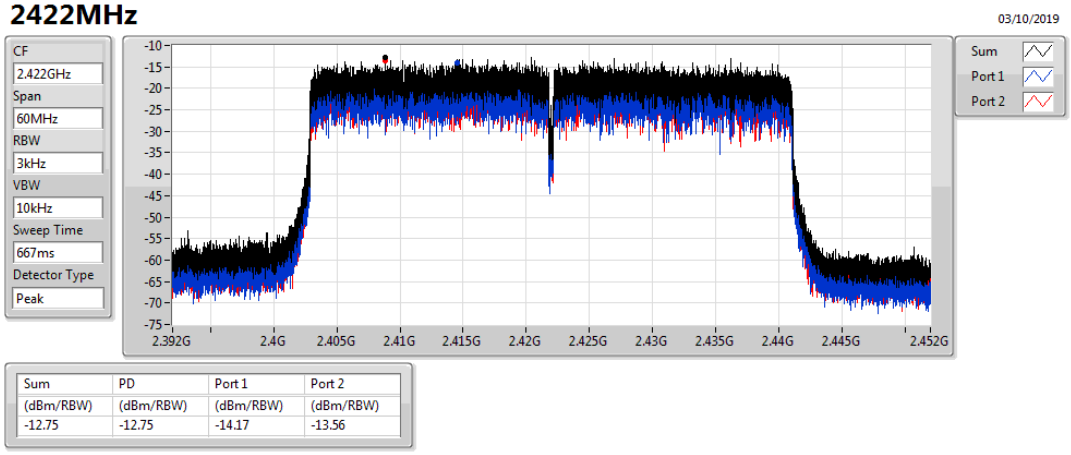
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.14	-7.14	-10.38	-9.40

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

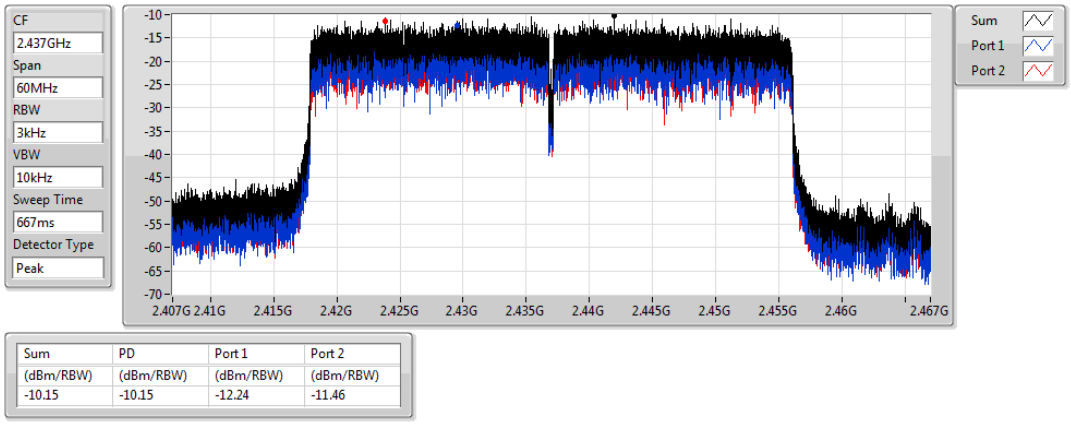
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.75	-12.75	-14.17	-13.56

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

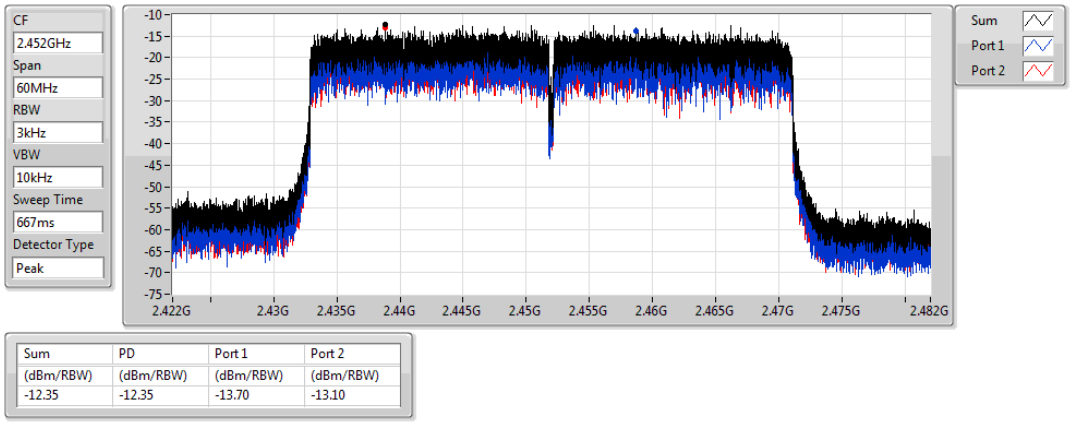
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.15	-10.15	-12.24	-11.46

802.11ax HEW40_Nss2,(MCS0)_2TX **PSD**

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.35	-12.35	-13.70	-13.10

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
VHT20-BF_Nss1,(MCS0)_2TX	-1.82
VHT40-BF_Nss1,(MCS0)_2TX	-8.26
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-1.78
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-9.20

RBW=3 kHz.

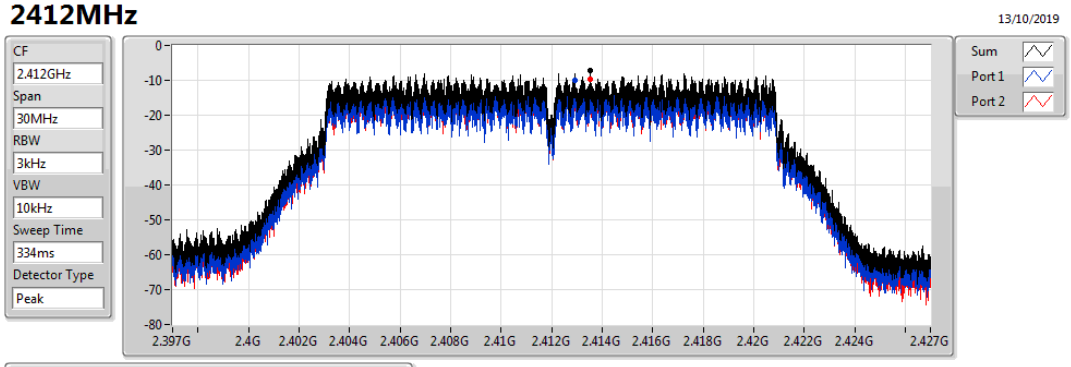
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
VHT20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.48	-9.90	-9.79	-7.26	6.52
2437MHz	Pass	7.48	-4.99	-4.46	-1.82	6.52
2462MHz	Pass	7.48	-10.04	-9.95	-7.43	6.52
VHT40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.48	-13.06	-12.35	-9.68	6.52
2437MHz	Pass	7.48	-11.20	-11.35	-8.26	6.52
2452MHz	Pass	7.48	-13.68	-13.30	-10.48	6.52
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.48	-9.39	-8.06	-5.66	6.52
2437MHz	Pass	7.48	-5.11	-4.50	-1.78	6.52
2462MHz	Pass	7.48	-8.58	-7.83	-5.18	6.52
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.48	-14.41	-12.66	-10.44	6.52
2437MHz	Pass	7.48	-12.20	-12.13	-9.20	6.52
2452MHz	Pass	7.48	-14.08	-13.83	-10.94	6.52

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;

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

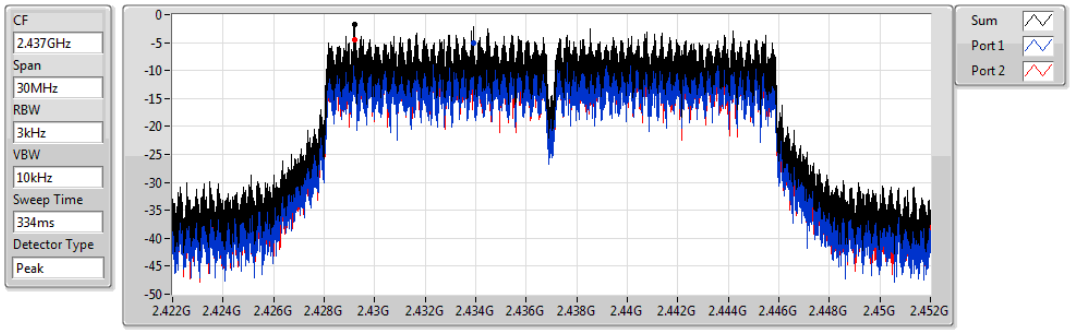
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-9.90	-9.79

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

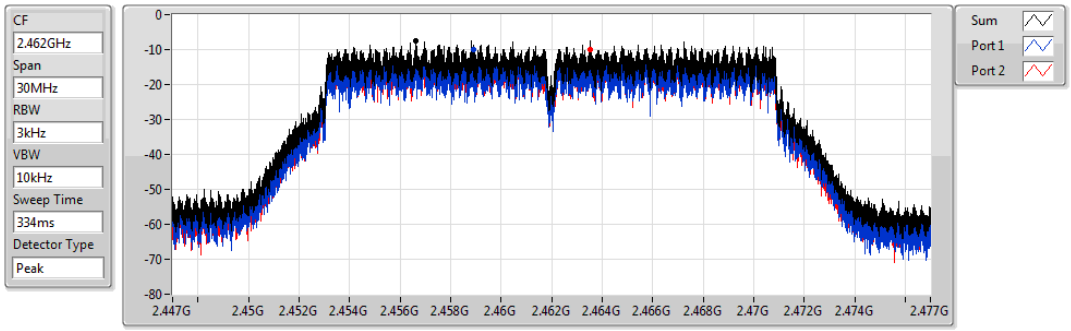
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.82	-1.82	-4.99	-4.46

VHT20-BF_Nss1,(MCS0)_2TX **PSD**

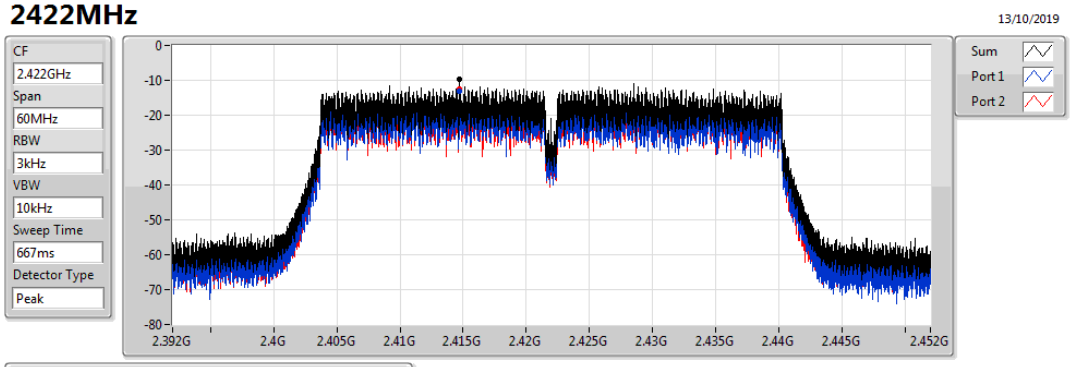
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.43	-7.43	-10.04	-9.95

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

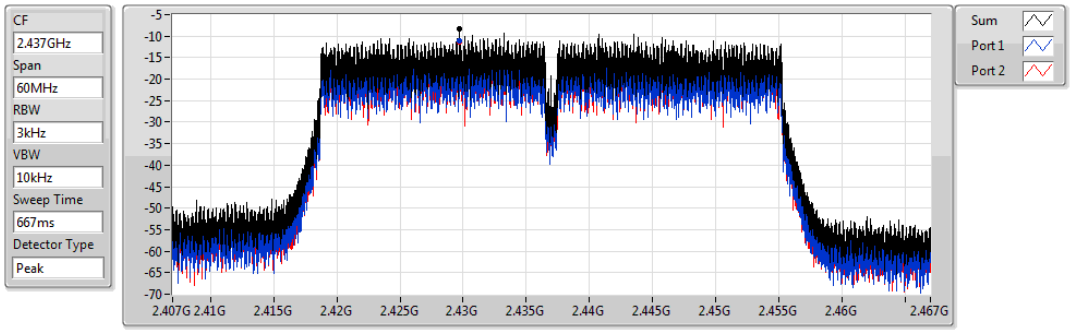
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.68	-9.68	-13.06	-12.35

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

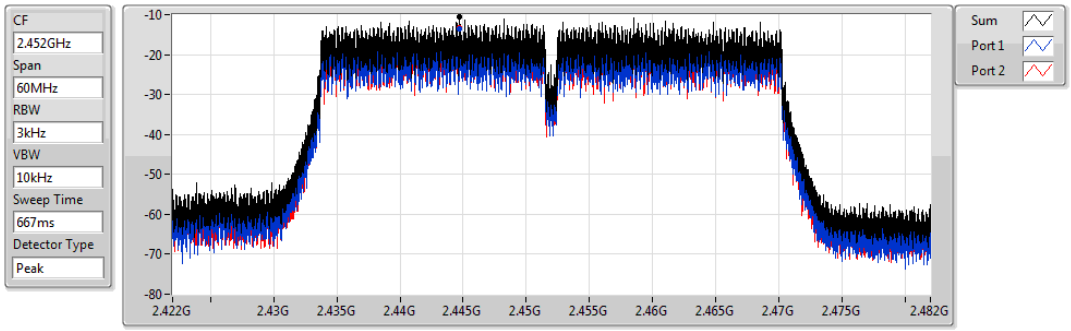
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.26	-8.26	-11.20	-11.35

VHT40-BF_Nss1,(MCS0)_2TX **PSD**

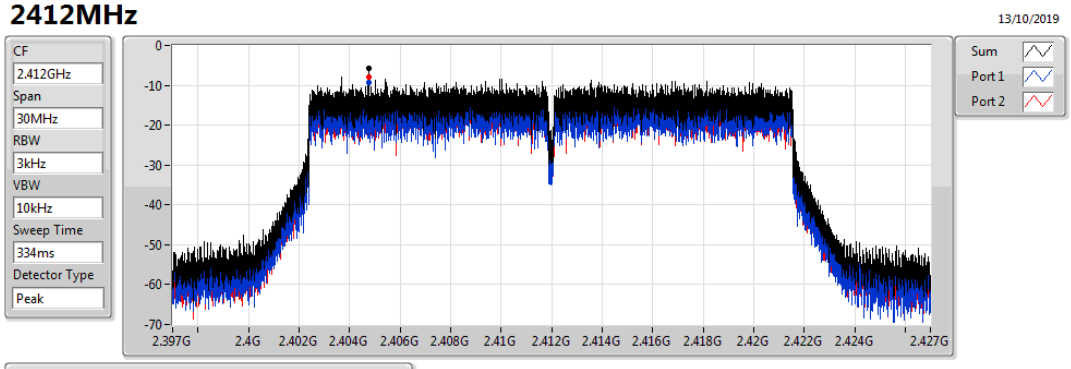
2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.48	-10.48	-13.68	-13.30

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

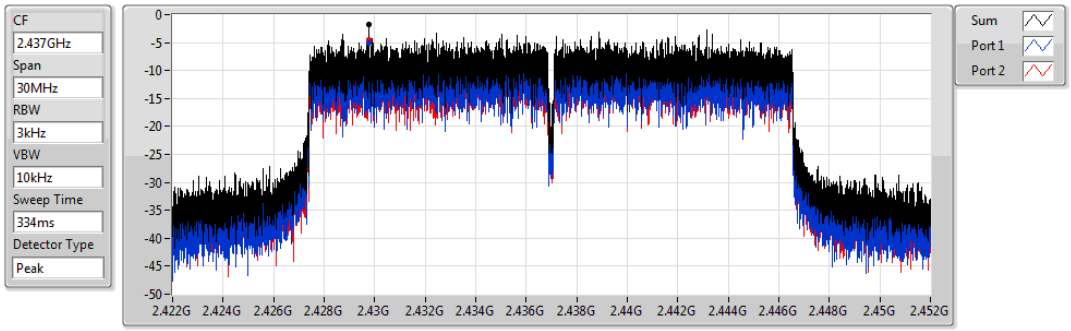
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.66	-5.66	-9.39	-8.06

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

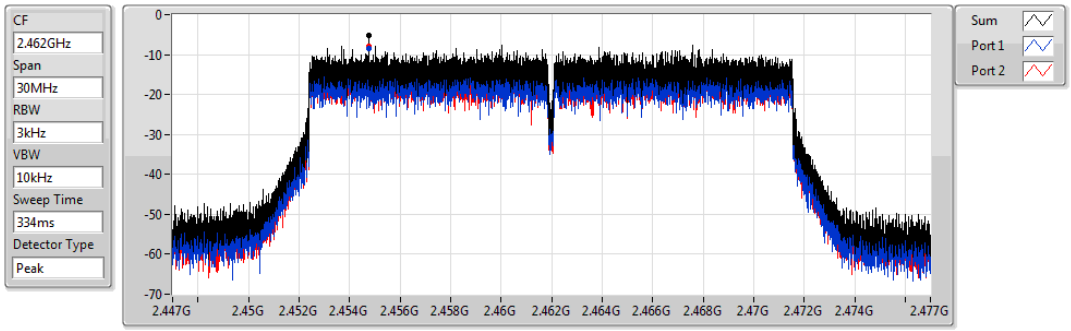
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.78	-1.78	-5.11	-4.50

802.11ax HEW20-BF_Nss1,(MCS0)_2TX PSD

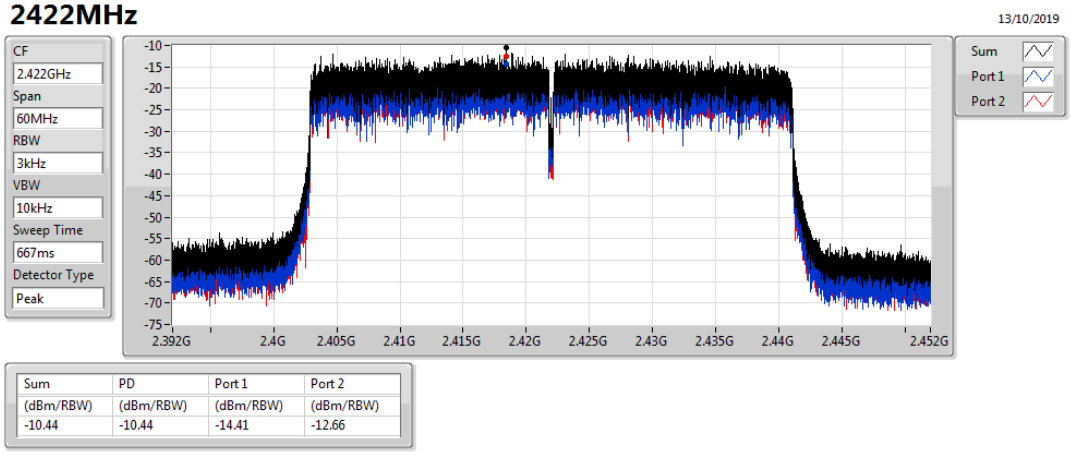
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.18	-5.18	-8.58	-7.83

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

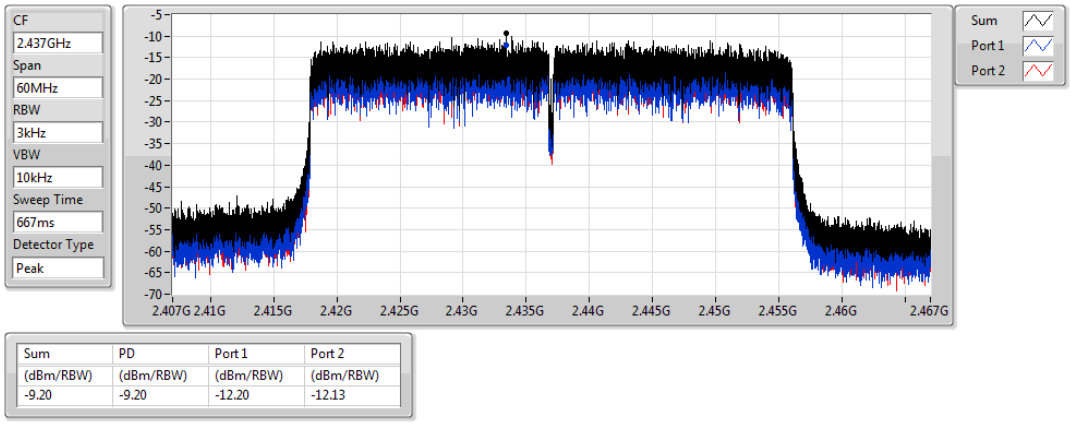
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.44	-10.44	-14.41	-12.66

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

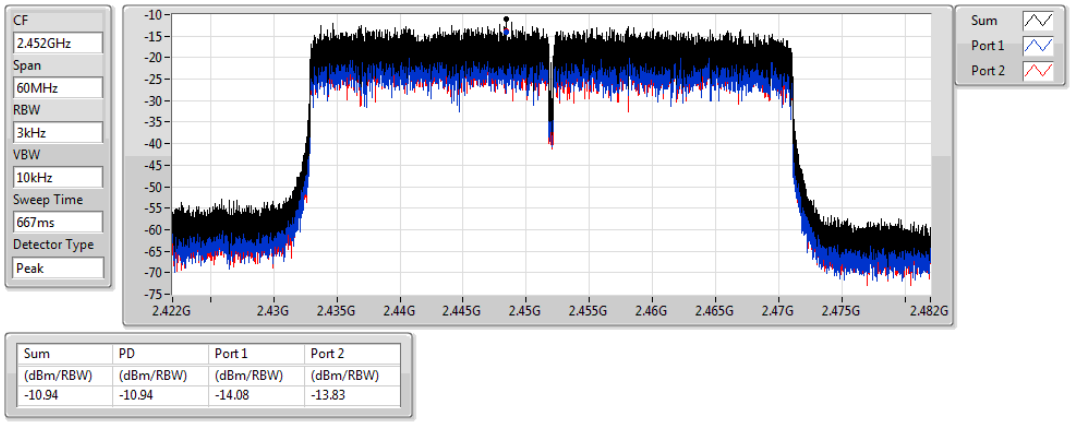
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.20	-9.20	-12.20	-12.13

802.11ax HEW40-BF_Nss1,(MCS0)_2TX PSD

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.94	-10.94	-14.08	-13.83

Summary

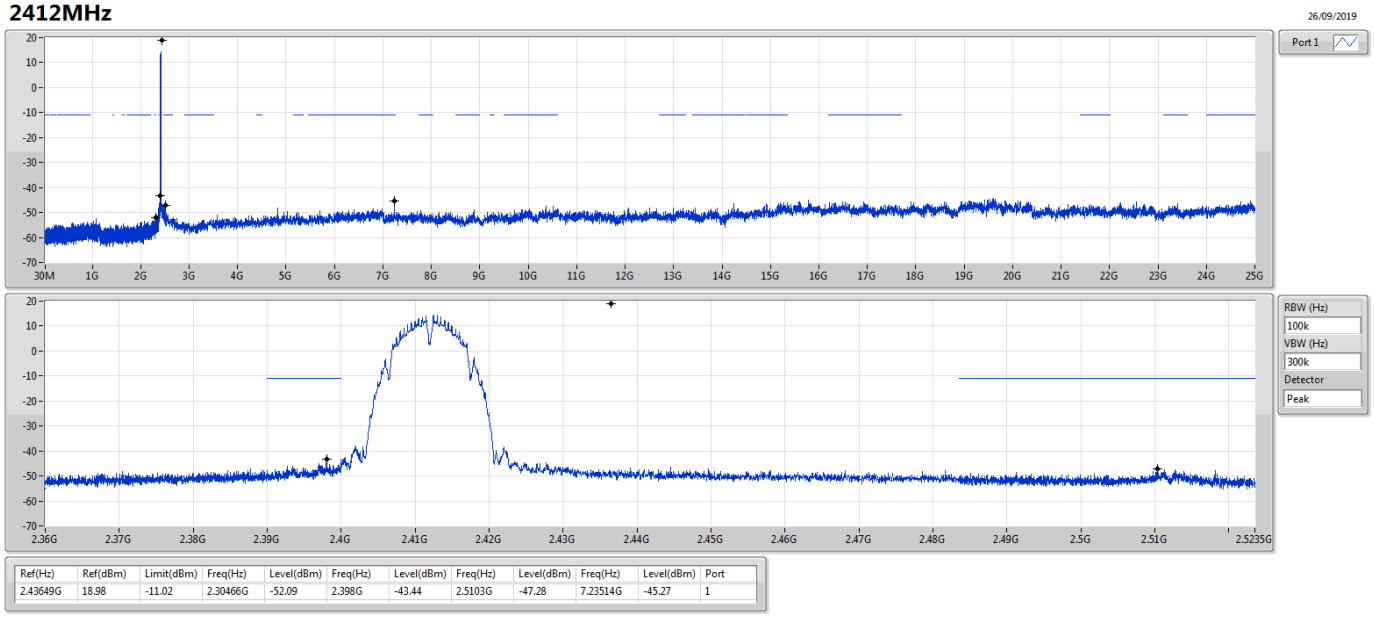
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX	Pass	2.43649G	18.98	-11.02	2.30525G	-53.12	2.3965G	-36.78	2.48548G	-40.53	24.66847G	-45.54	1
802.11g_Nss1,(6Mbps)_1TX	Pass	2.43198G	15.12	-14.88	2.3035G	-52.14	2.39986G	-29.78	2.49688G	-48.93	16.36902G	-45.75	1
802.11ax HEW20_Nss1,(MCS0)_1TX	Pass	2.43945G	13.61	-16.39	2.30525G	-51.17	2.39996G	-26.89	2.48818G	-48.78	16.54322G	-45.60	1
802.11ax HEW40_Nss1,(MCS0)_1TX	Pass	2.442G	6.18	-23.82	2.30712G	-52.49	2.39948G	-31.98	2.4847G	-36.69	16.98456G	-45.60	1

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43649G	18.98	-11.02	2.30466G	-52.09	2.398G	-43.44	2.5103G	-47.28	7.23514G	-45.27	1
2437MHz	Pass	2.43649G	18.98	-11.02	2.30525G	-53.12	2.3965G	-36.78	2.48548G	-40.53	24.66847G	-45.54	1
2462MHz	Pass	2.43649G	18.98	-11.02	2.30787G	-52.68	2.39552G	-49.99	2.48698G	-46.51	24.2948G	-45.41	1
802.11g_Nss1,(6Mbps)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	15.12	-14.88	2.3035G	-52.14	2.39986G	-29.78	2.49688G	-48.93	16.36902G	-45.75	1
2437MHz	Pass	2.43198G	15.12	-14.88	2.30029G	-52.36	2.3992G	-32.40	2.48382G	-35.43	16.91127G	-45.42	1
2462MHz	Pass	2.43198G	15.12	-14.88	1.80604G	-53.26	2.39754G	-50.07	2.48388G	-37.80	16.91408G	-44.58	1
802.11ax HEW20_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43945G	13.61	-16.39	2.30525G	-51.17	2.39996G	-26.89	2.48818G	-48.78	16.54322G	-45.60	1
2437MHz	Pass	2.43945G	13.61	-16.39	2.17972G	-52.26	2.39616G	-33.61	2.48434G	-36.82	21.71G	-44.47	1
2462MHz	Pass	2.43945G	13.61	-16.39	2.30728G	-52.77	2.39262G	-51.53	2.48358G	-38.30	16.57412G	-44.97	1
802.11ax HEW40_Nss1,(MCS0)_1TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.442G	6.18	-23.82	2.30025G	-53.05	2.39928G	-39.48	2.48986G	-47.26	24.9411G	-44.85	1
2437MHz	Pass	2.442G	6.18	-23.82	2.30712G	-52.49	2.39948G	-31.98	2.4847G	-36.69	16.98456G	-45.60	1
2452MHz	Pass	2.442G	6.18	-23.82	2.30712G	-53.33	2.39052G	-46.22	2.48418G	-38.40	16.49376G	-43.59	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

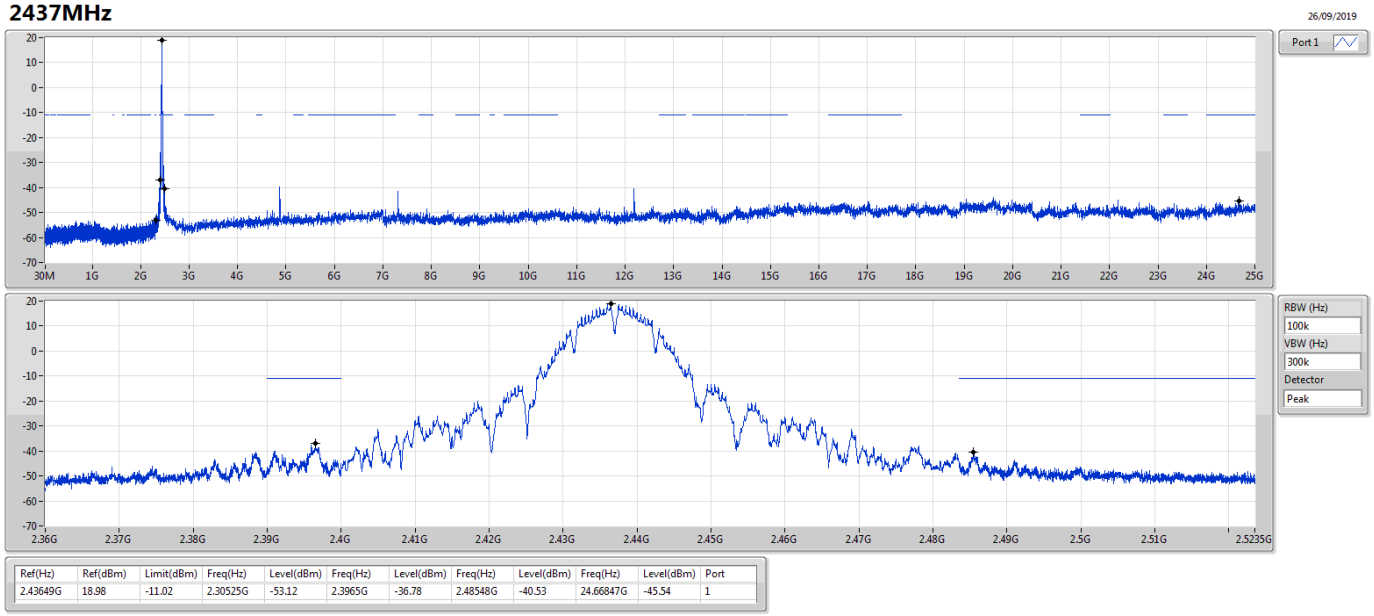
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	18.98	-11.02	2.30466G	-52.09	2.398G	-43.44	2.5103G	-47.28	7.23514G	-45.27	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

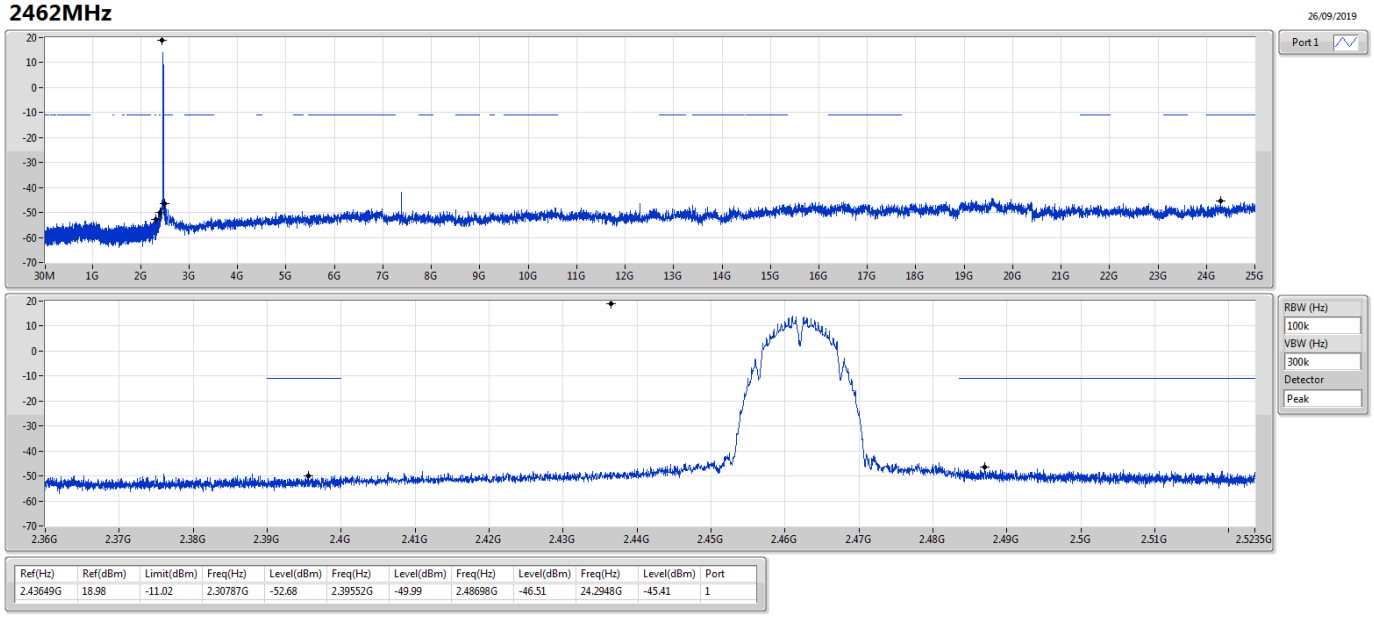
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	18.98	-11.02	2.30525G	-53.12	2.3965G	-36.78	2.48548G	-40.53	24.66847G	-45.54	1

802.11b_Nss1,(1Mbps)_1TX **CSE NdB**

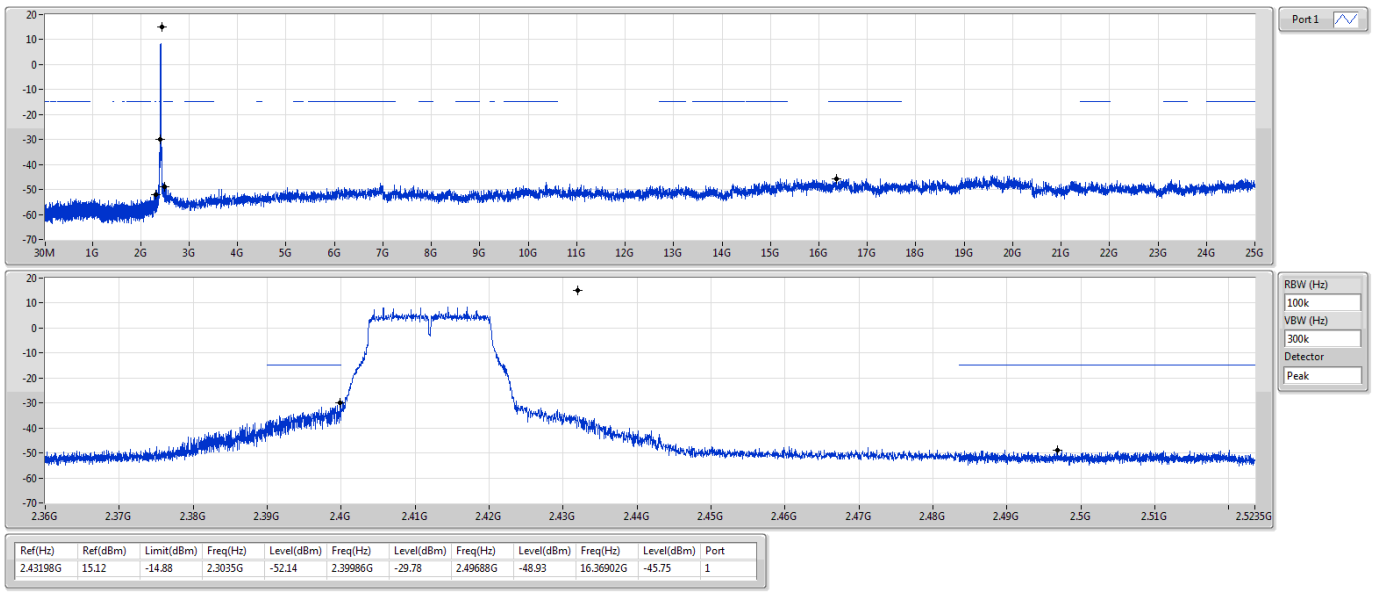
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43649G	18.98	-11.02	2.30787G	-52.68	2.39552G	-49.99	2.48698G	-46.51	24.2948G	-45.41	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

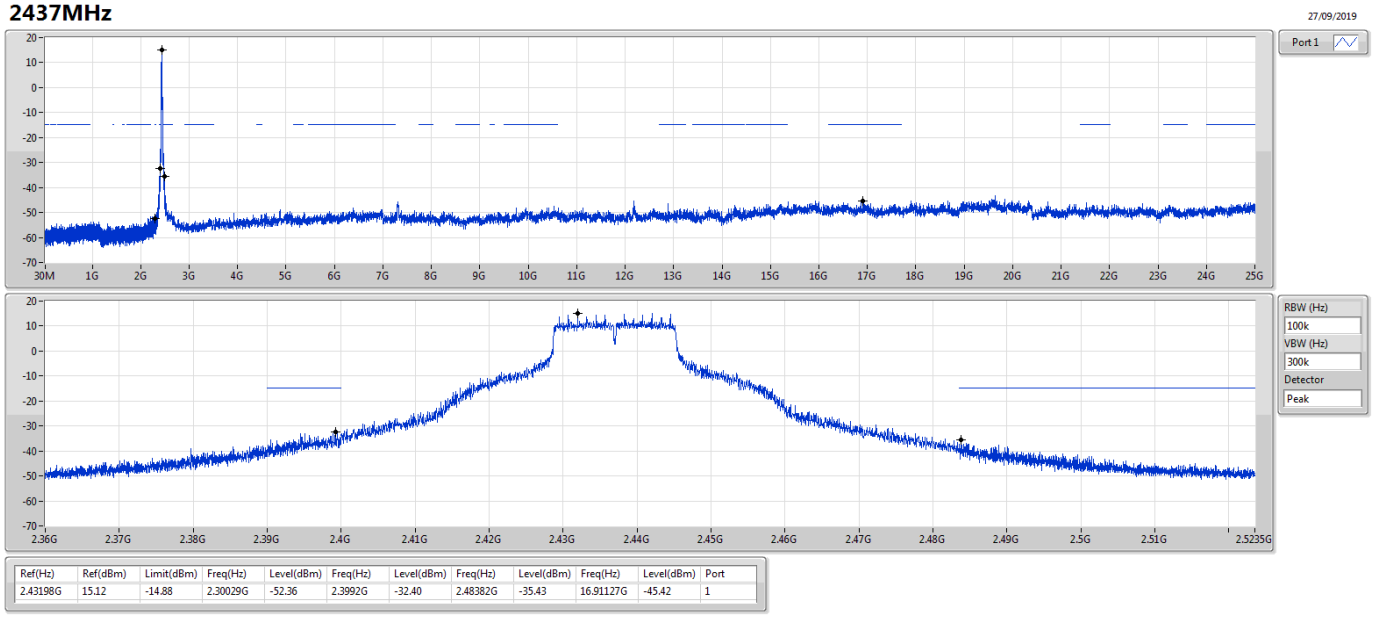
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	15.12	-14.88	2.3035G	-52.14	2.39986G	-29.78	2.49688G	-48.93	16.36902G	-45.75	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

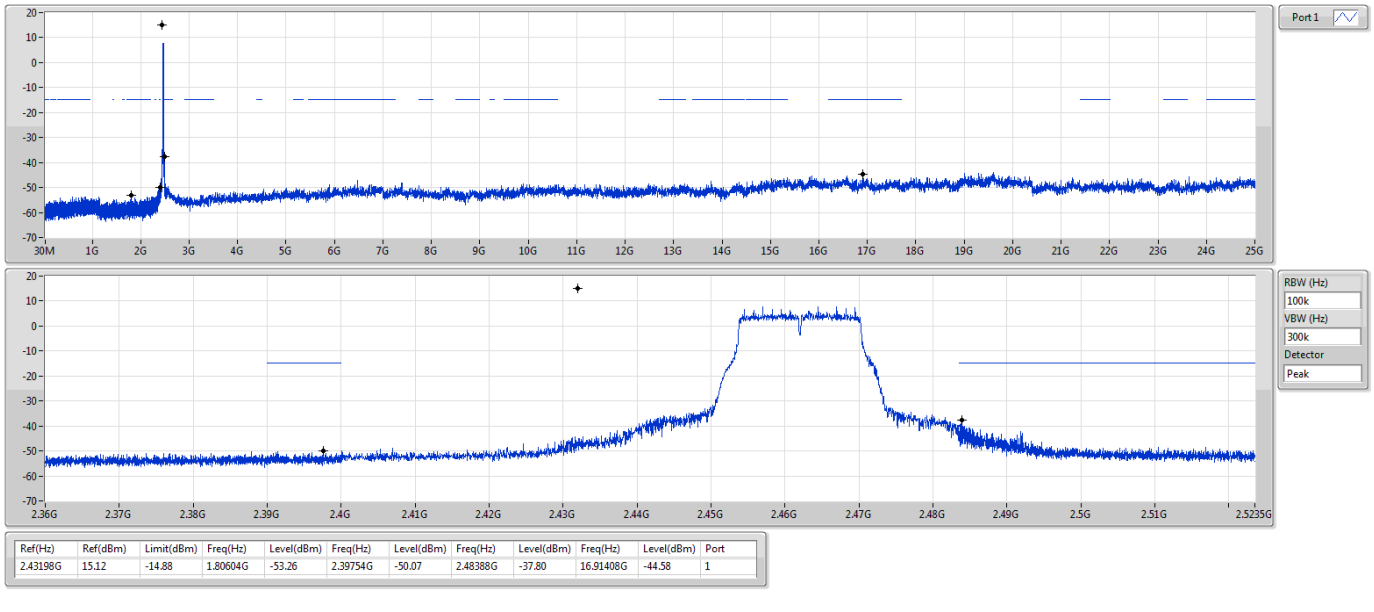
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	15.12	-14.88	2.30029G	-52.36	2.3992G	-32.40	2.48382G	-35.43	16.91127G	-45.42	1

802.11g_Nss1,(6Mbps)_1TX **CSE NdB**

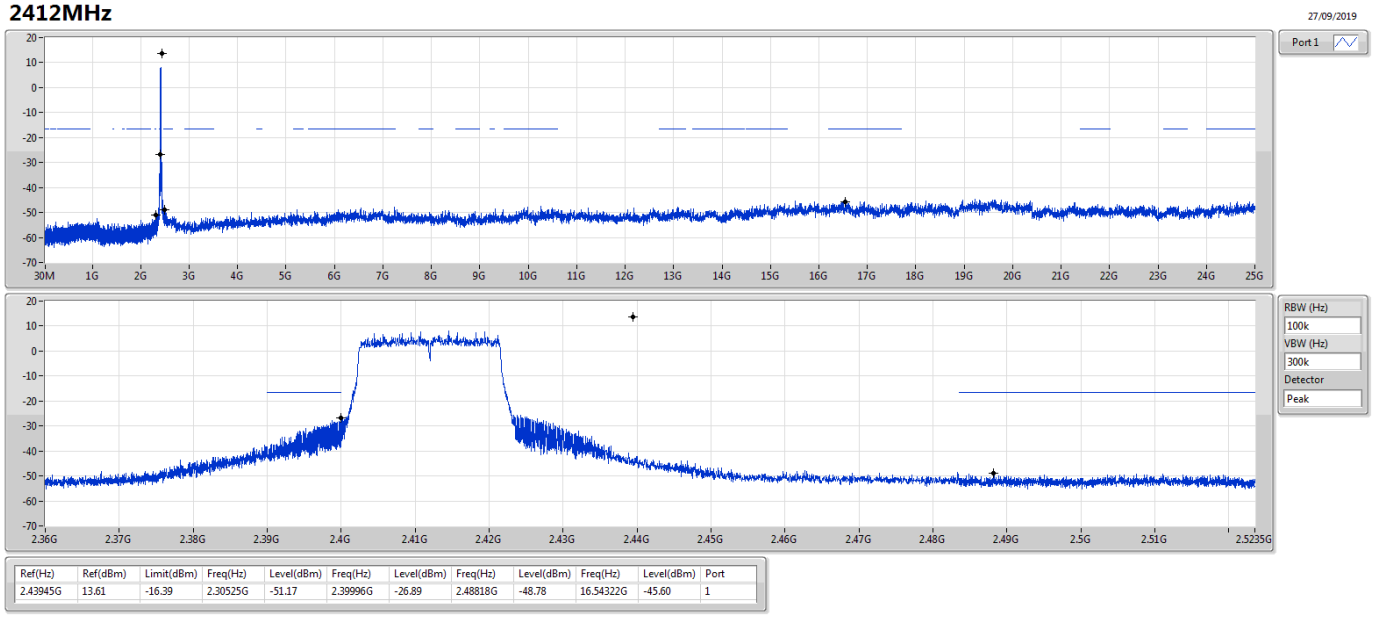
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	15.12	-14.88	1.80604G	-53.26	2.39754G	-50.07	2.48388G	-37.80	16.91408G	-44.58	1

802.11ax HEW20_Nss1,(MCS0)_1TX **CSE NdB**

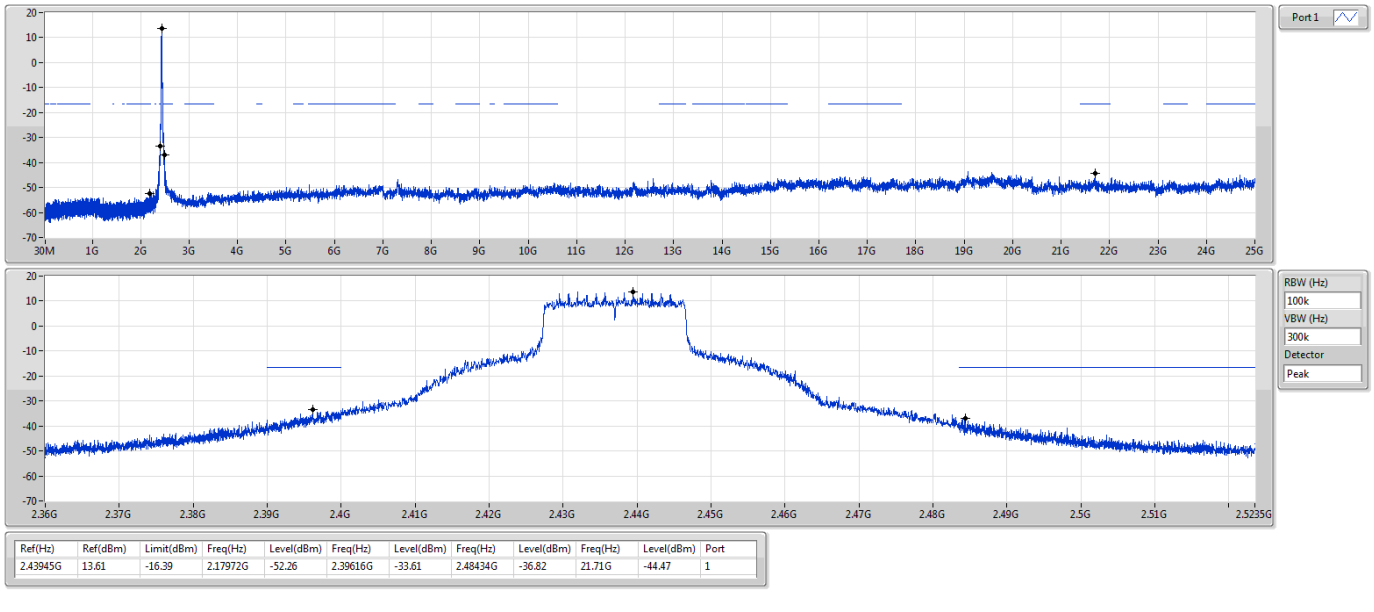
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	13.61	-16.39	2.30525G	-51.17	2.39996G	-26.89	2.48818G	-48.78	16.54322G	-45.60	1

802.11ax HEW20_Nss1,(MCS0)_1TX **CSE NdB**

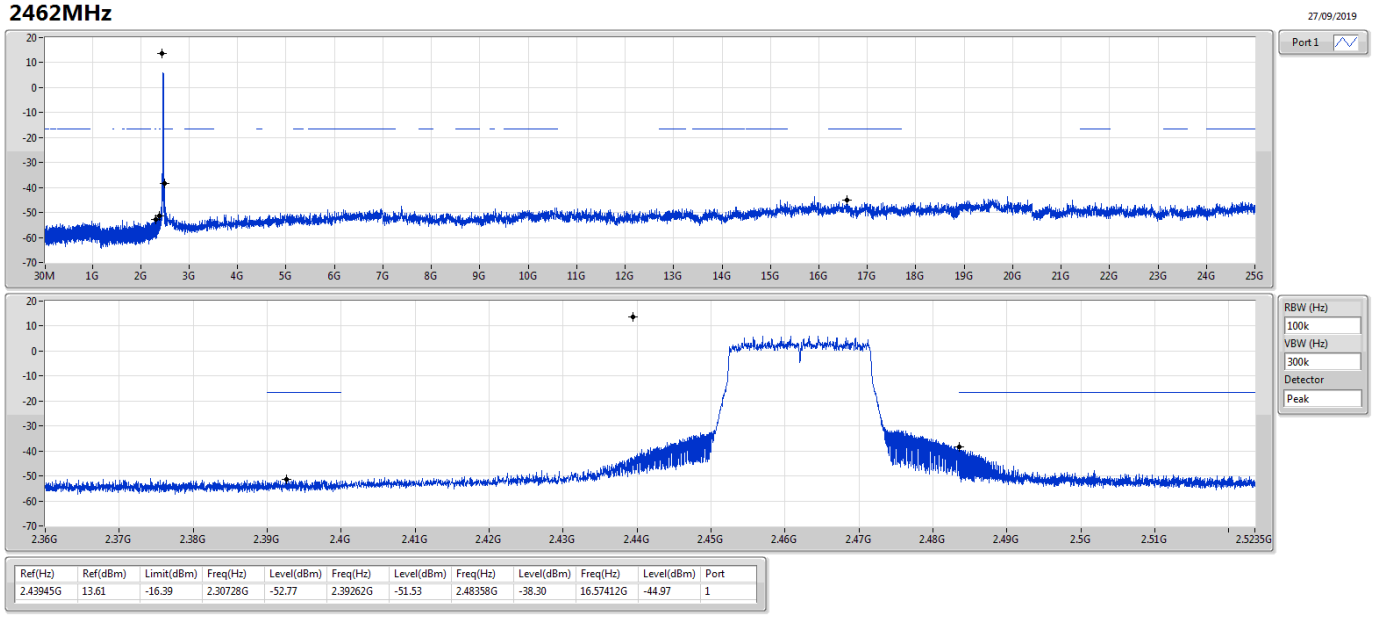
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	13.61	-16.39	2.17972G	-52.26	2.39616G	-33.61	2.48434G	-36.82	21.71G	-44.47	1

802.11ax HEW20_Nss1,(MCS0)_1TX **CSE NdB**

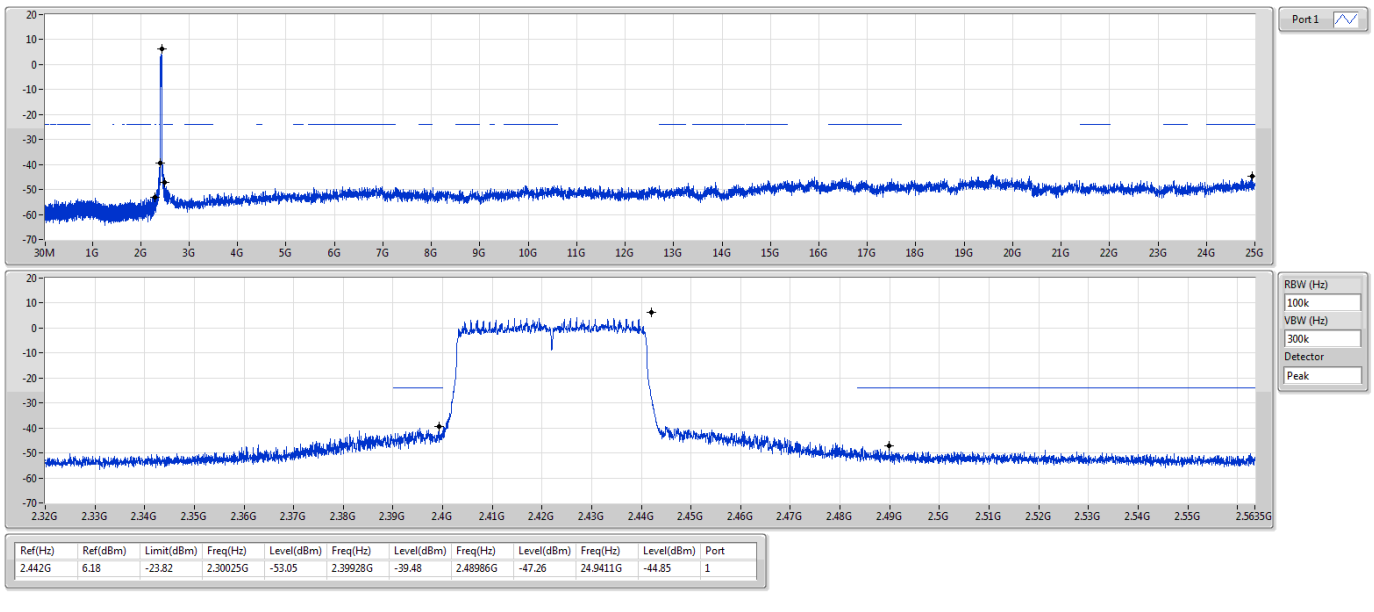
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43945G	13.61	-16.39	2.30728G	-52.77	2.39262G	-51.53	2.48358G	-38.30	16.57412G	-44.97	1

802.11ax HEW40_Nss1,(MCS0)_1TX **CSE NdB**

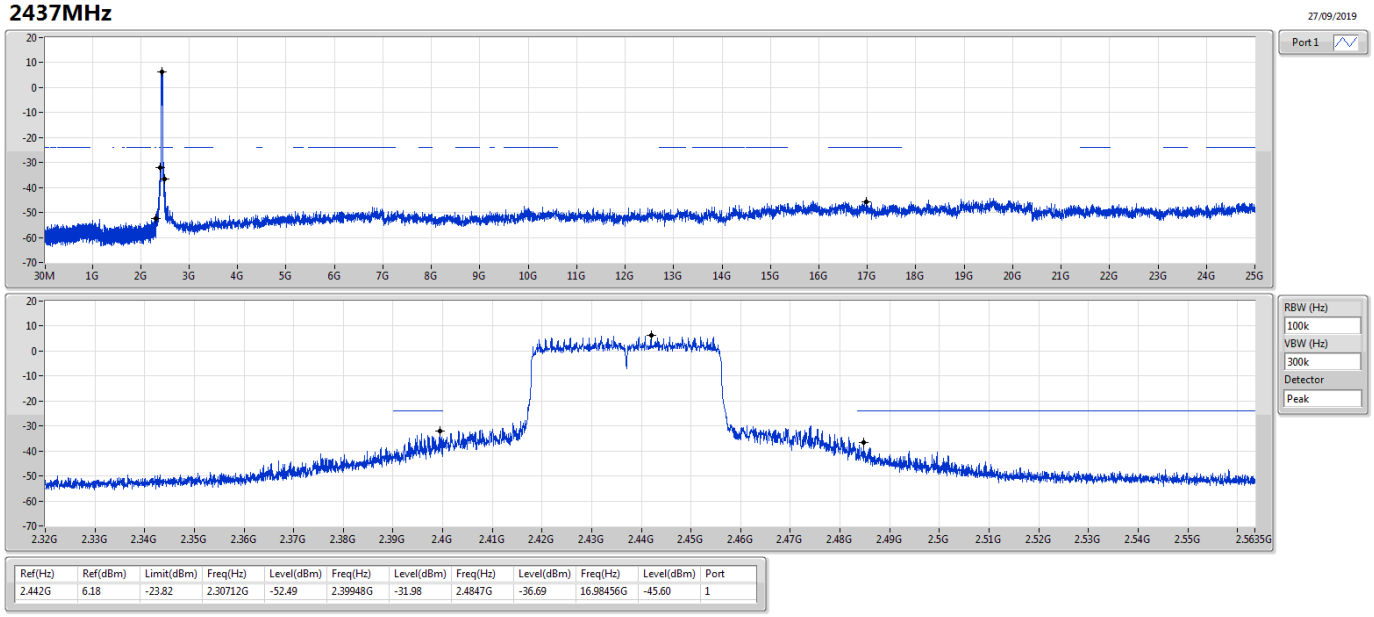
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	6.18	-23.82	2.30025G	-53.05	2.39928G	-39.48	2.48986G	-47.26	24.9411G	-44.85	1

802.11ax HEW40_Nss1,(MCS0)_1TX **CSE NdB**

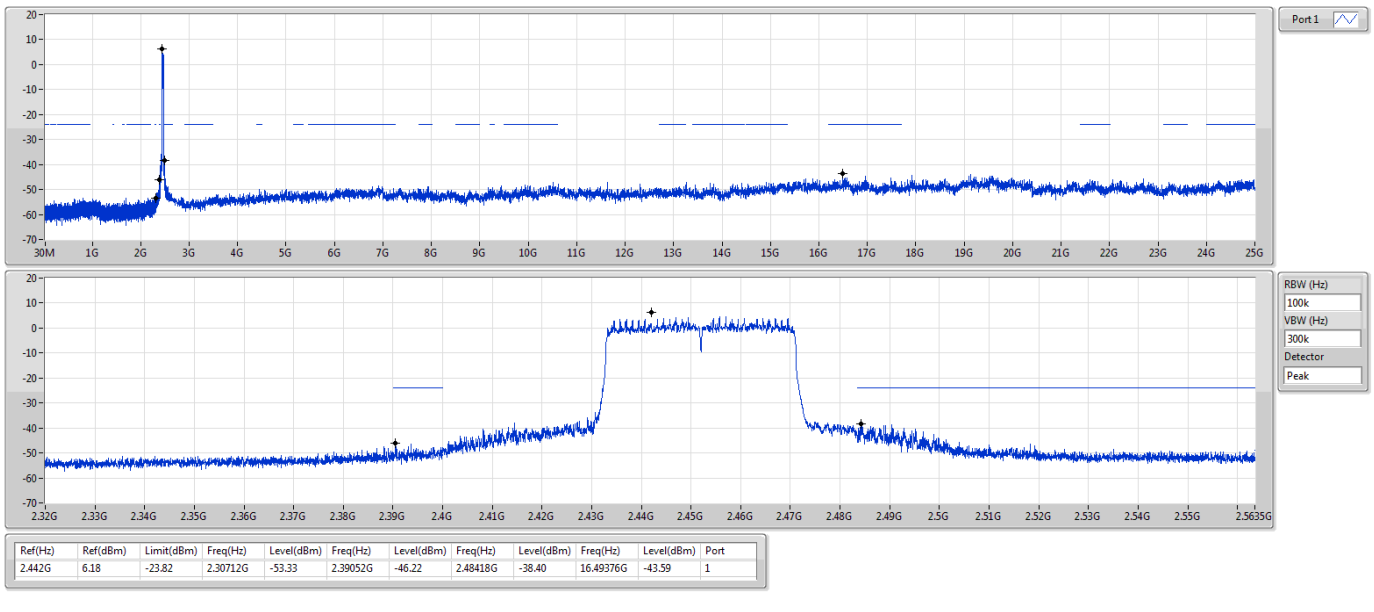
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	6.18	-23.82	2.30712G	-52.49	2.39948G	-31.98	2.4847G	-36.69	16.98456G	-45.60	1

802.11ax HEW40_Nss1,(MCS0)_1TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.442G	6.18	-23.82	2.30712G	-53.33	2.39052G	-46.22	2.48418G	-38.40	16.49376G	-43.59	1

Summary

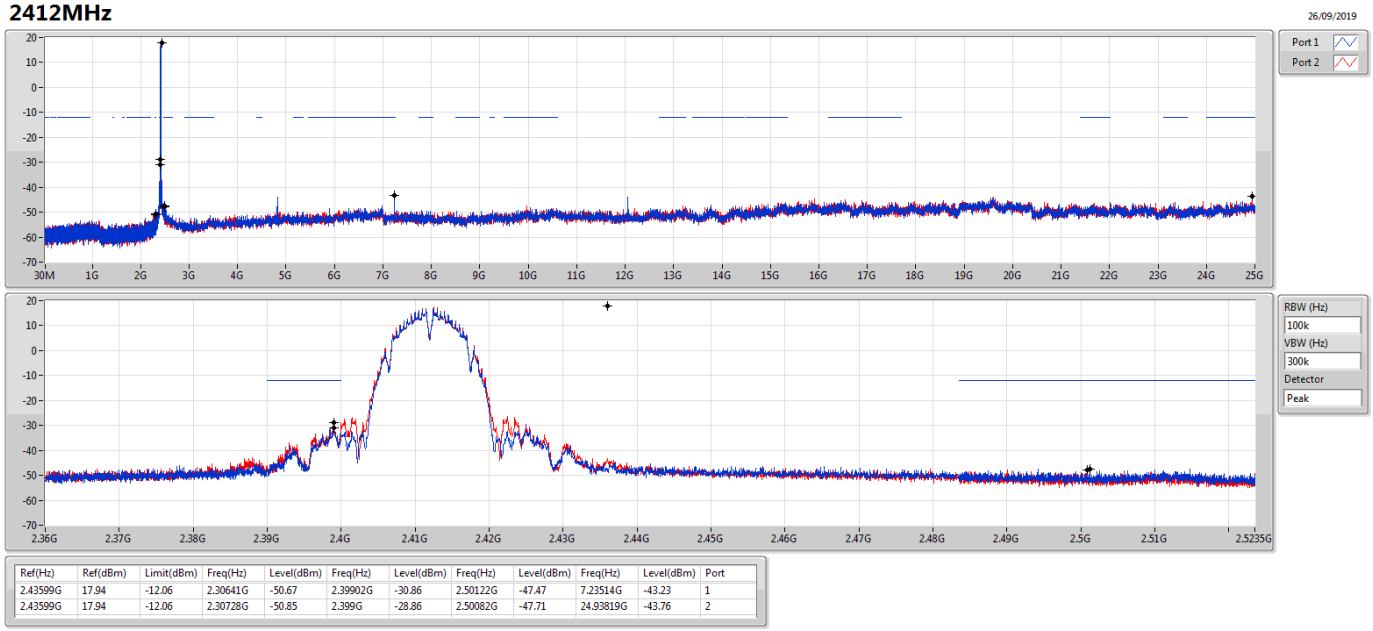
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43599G	17.94	-12.06	2.30728G	-50.85	2.399G	-28.86	2.50082G	-47.71	24.93819G	-43.76	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44196G	13.03	-16.97	2.30262G	-52.75	2.39922G	-29.92	2.50534G	-48.79	15.16091G	-45.45	2
802.11ax HEW20_Nss2,(MCS0)_2TX	Pass	2.44196G	11.98	-18.02	2.3035G	-53.05	2.3977G	-49.24	2.48436G	-36.71	16.45893G	-44.5	2
802.11ax HEW40_Nss2,(MCS0)_2TX	Pass	2.43198G	5.58	-24.42	2.30483G	-52.83	2.39976G	-30.1	2.48534G	-36.42	16.53303G	-45.19	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43599G	17.94	-12.06	2.30641G	-50.67	2.39902G	-30.86	2.50122G	-47.47	7.23514G	-43.23	1
2412MHz	Pass	2.43599G	17.94	-12.06	2.30728G	-50.85	2.399G	-28.86	2.50082G	-47.71	24.93819G	-43.76	2
2437MHz	Pass	2.43599G	17.94	-12.06	2.1203G	-52.62	2.39964G	-44.83	2.4919G	-46.28	24.96348G	-43.6	1
2437MHz	Pass	2.43599G	17.94	-12.06	2.08215G	-52.64	2.39896G	-45.47	2.49052G	-47.09	16.52355G	-45.35	2
2462MHz	Pass	2.43599G	17.94	-12.06	2.30612G	-53.19	2.39376G	-48.28	2.49676G	-45.06	24.94381G	-45.1	1
2462MHz	Pass	2.43599G	17.94	-12.06	2.30874G	-53.36	2.39998G	-47.75	2.4866G	-43.95	15.2452G	-45	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	13.03	-16.97	510.85M	-52.65	2.3993G	-34.83	2.50624G	-49.32	24.27513G	-44.96	1
2412MHz	Pass	2.44196G	13.03	-16.97	2.30262G	-52.75	2.39922G	-29.92	2.50534G	-48.79	15.16091G	-45.45	2
2437MHz	Pass	2.44196G	13.03	-16.97	2.19632G	-51.83	2.39978G	-37.72	2.48472G	-39.62	16.46736G	-45.02	1
2437MHz	Pass	2.44196G	13.03	-16.97	2.30991G	-51.78	2.39946G	-36.46	2.48414G	-39.04	17.01241G	-44.57	2
2462MHz	Pass	2.44196G	13.03	-16.97	720.85M	-53.09	2.39378G	-48.82	2.48362G	-43.4	17.38047G	-44.87	1
2462MHz	Pass	2.44196G	13.03	-16.97	2.05186G	-52.96	2.39086G	-48.98	2.48412G	-41.13	24.93257G	-43.88	2
802.11ax HEW20_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44196G	11.98	-18.02	2.30321G	-52.7	2.39994G	-38.78	2.51068G	-49.77	16.86913G	-44.93	1
2412MHz	Pass	2.44196G	11.98	-18.02	852.2M	-53.38	2.39906G	-37.74	2.49266G	-49.73	16.44488G	-45.33	2
2437MHz	Pass	2.44196G	11.98	-18.02	2.3067G	-52.16	2.3989G	-39.03	2.48414G	-43.94	15.21991G	-45.45	1
2437MHz	Pass	2.44196G	11.98	-18.02	2.30845G	-51.13	2.39928G	-37.34	2.48592G	-41.85	24.91571G	-44.4	2
2462MHz	Pass	2.44196G	11.98	-18.02	876.37M	-53	2.39292G	-50.66	2.48364G	-38.32	24.22175G	-45.58	1
2462MHz	Pass	2.44196G	11.98	-18.02	2.3035G	-53.05	2.3977G	-49.24	2.48436G	-36.71	16.45893G	-44.5	2
802.11ax HEW40_Nss2,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	5.58	-24.42	2.30769G	-53.33	2.398G	-41.72	2.48402G	-49.85	24.31008G	-44.76	1
2422MHz	Pass	2.43198G	5.58	-24.42	2.30884G	-53.06	2.39076G	-38.38	2.48358G	-47.55	16.30025G	-45.4	2
2437MHz	Pass	2.43198G	5.58	-24.42	1.95933G	-52.44	2.39976G	-32.37	2.48594G	-37.82	17.27904G	-45.45	1
2437MHz	Pass	2.43198G	5.58	-24.42	2.30483G	-52.83	2.39976G	-30.1	2.48534G	-36.42	16.53303G	-45.19	2
2452MHz	Pass	2.43198G	5.58	-24.42	2.30397G	-52.24	2.3988G	-47.39	2.48526G	-42.2	16.93969G	-45.37	1
2452MHz	Pass	2.43198G	5.58	-24.42	937.7M	-53.28	2.39848G	-44.17	2.48498G	-37.26	24.8794G	-45.79	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

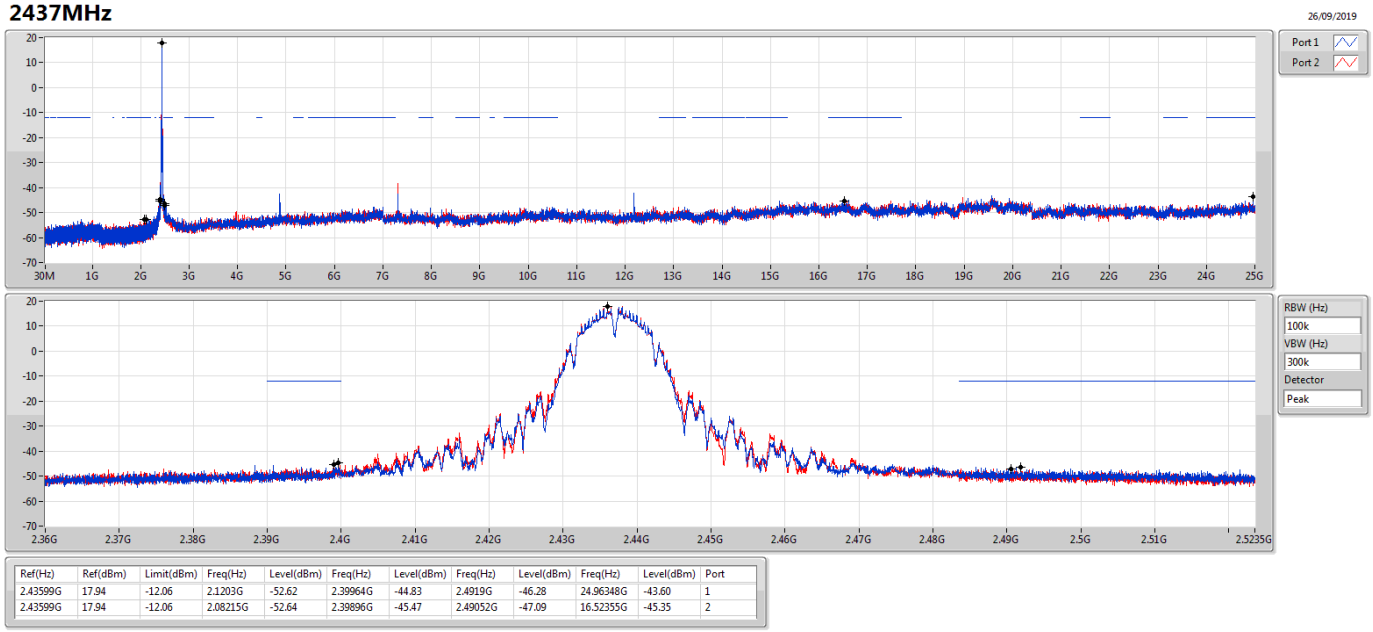
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	17.94	-12.06	2.30641G	-50.67	2.39902G	-30.86	2.50122G	-47.47	7.23514G	-43.23	1
2.43599G	17.94	-12.06	2.30728G	-50.85	2.399G	-28.86	2.50082G	-47.71	24.93819G	-43.76	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

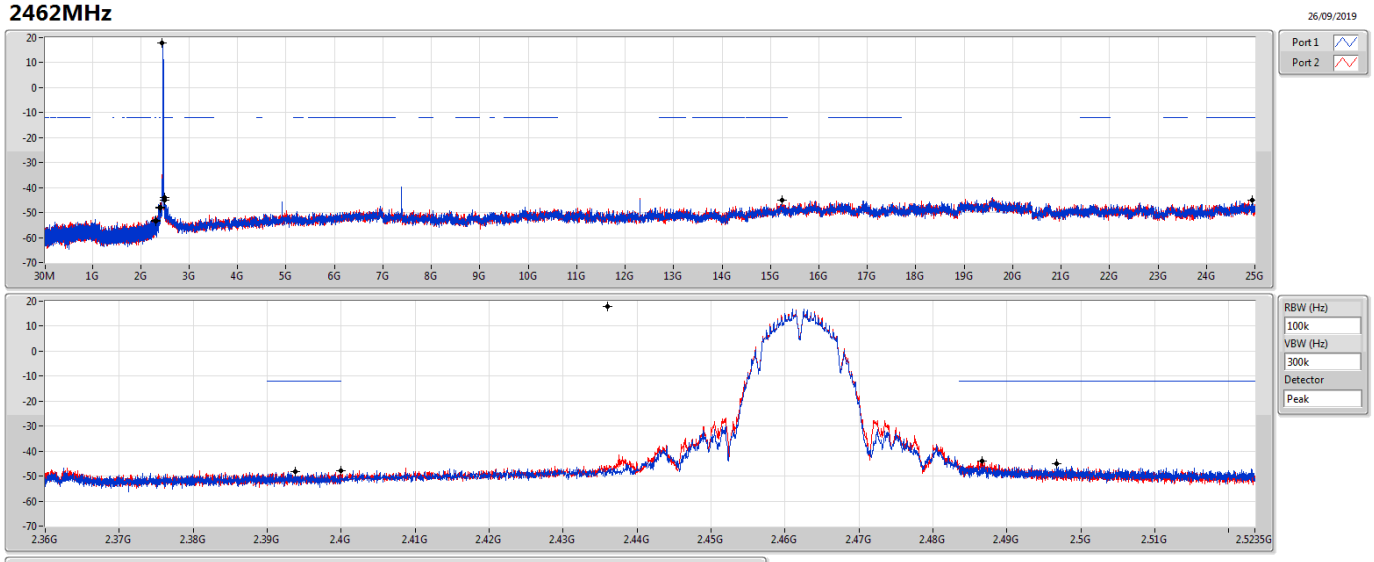
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	17.94	-12.06	2.1203G	-52.62	2.39964G	-44.83	2.4919G	-46.28	24.96348G	-43.60	1
2.43599G	17.94	-12.06	2.08215G	-52.64	2.39896G	-45.47	2.49052G	-47.09	16.52355G	-45.35	2

802.11b_Nss1,(1Mbps)_2TX **CSE NdB**

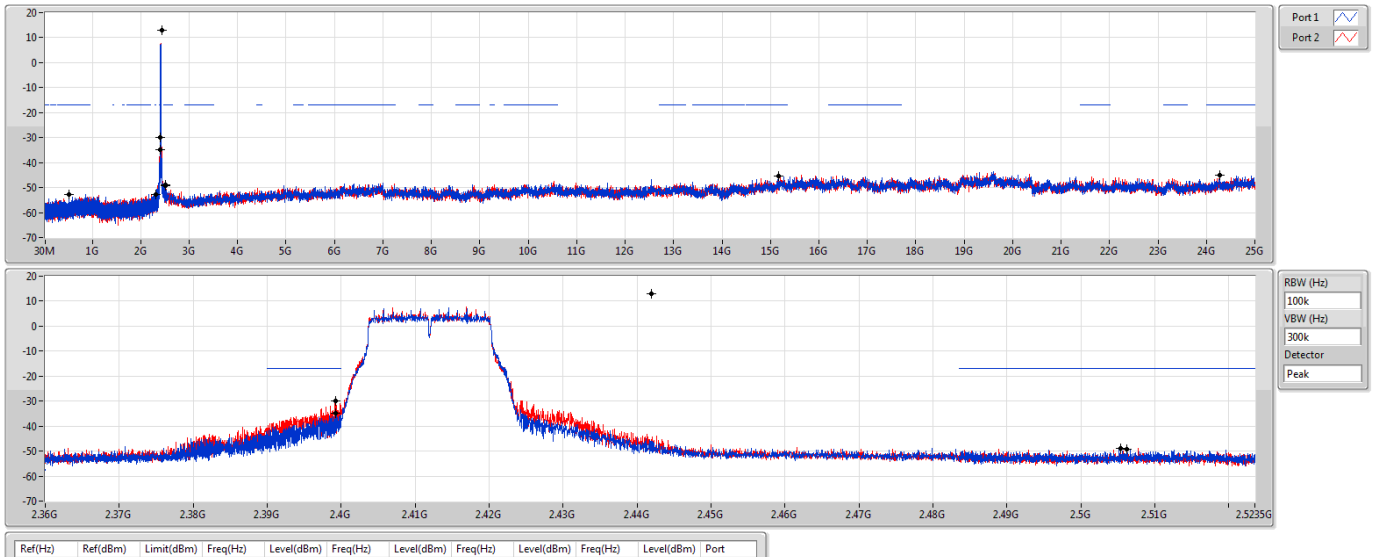
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43599G	17.94	-12.06	2.30612G	-53.19	2.39376G	-48.28	2.49676G	-45.06	24.94381G	-45.10	1
2.43599G	17.94	-12.06	2.30874G	-53.36	2.39998G	-47.75	2.4866G	-43.95	15.2452G	-45.00	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

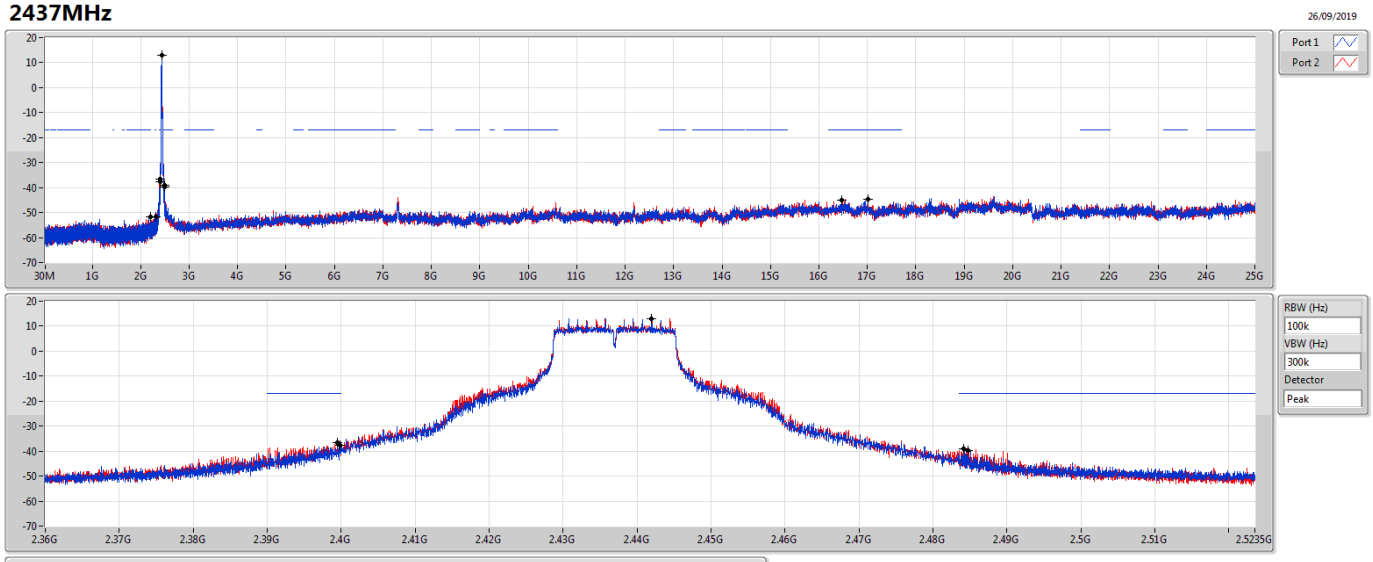
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	13.03	-16.97	510.85M	-52.65	2.3993G	-34.83	2.50624G	-49.32	24.27513G	-44.96	1
2.44196G	13.03	-16.97	2.30262G	-52.75	2.39922G	-29.92	2.50534G	-48.79	15.16091G	-45.45	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

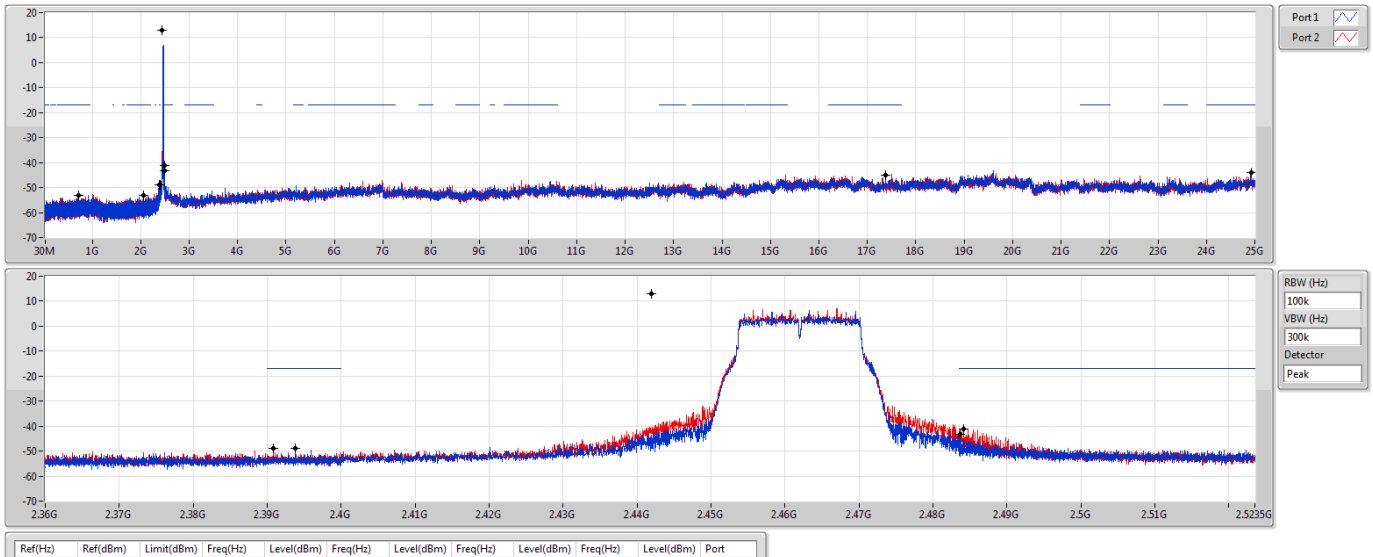
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	13.03	-16.97	2.19632G	-51.83	2.39978G	-37.72	2.48472G	-39.62	16.46736G	-45.02	1
2.44196G	13.03	-16.97	2.30991G	-51.78	2.39946G	-36.46	2.48414G	-39.04	17.01241G	-44.57	2

802.11g_Nss1,(6Mbps)_2TX **CSE NdB**

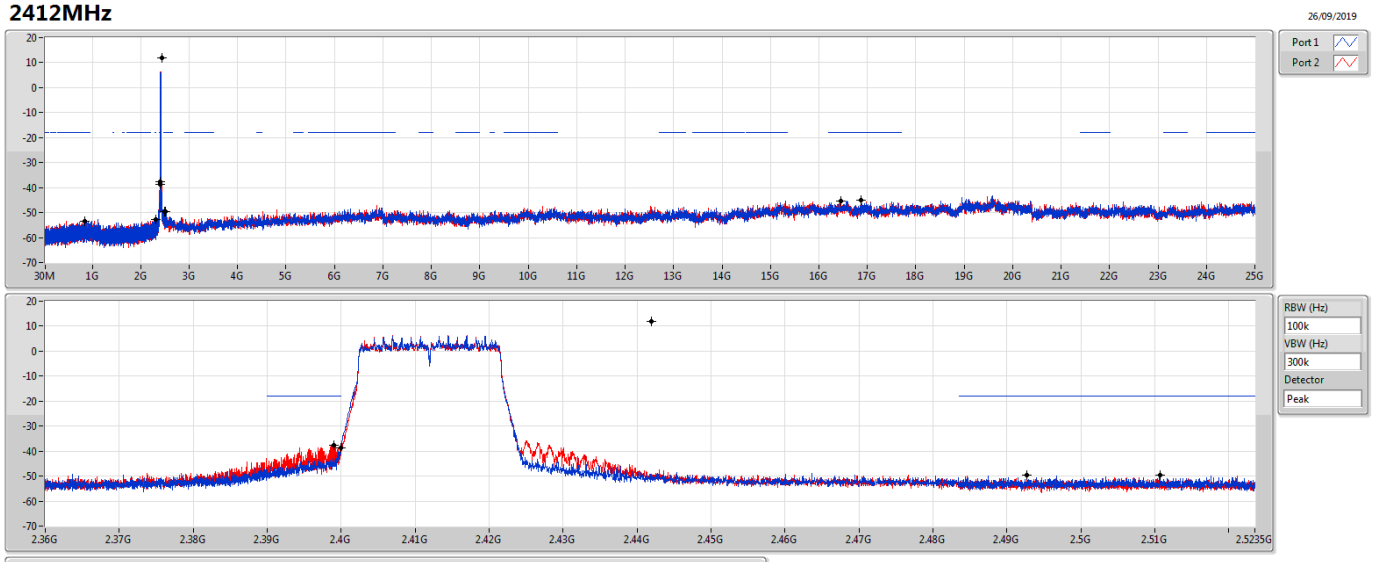
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	13.03	-16.97	720.85M	-53.09	2.39378G	-48.82	2.48362G	-43.40	17.38047G	-44.87	1
2.44196G	13.03	-16.97	2.05186G	-52.96	2.39086G	-48.98	2.48412G	-41.13	24.93257G	-43.88	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

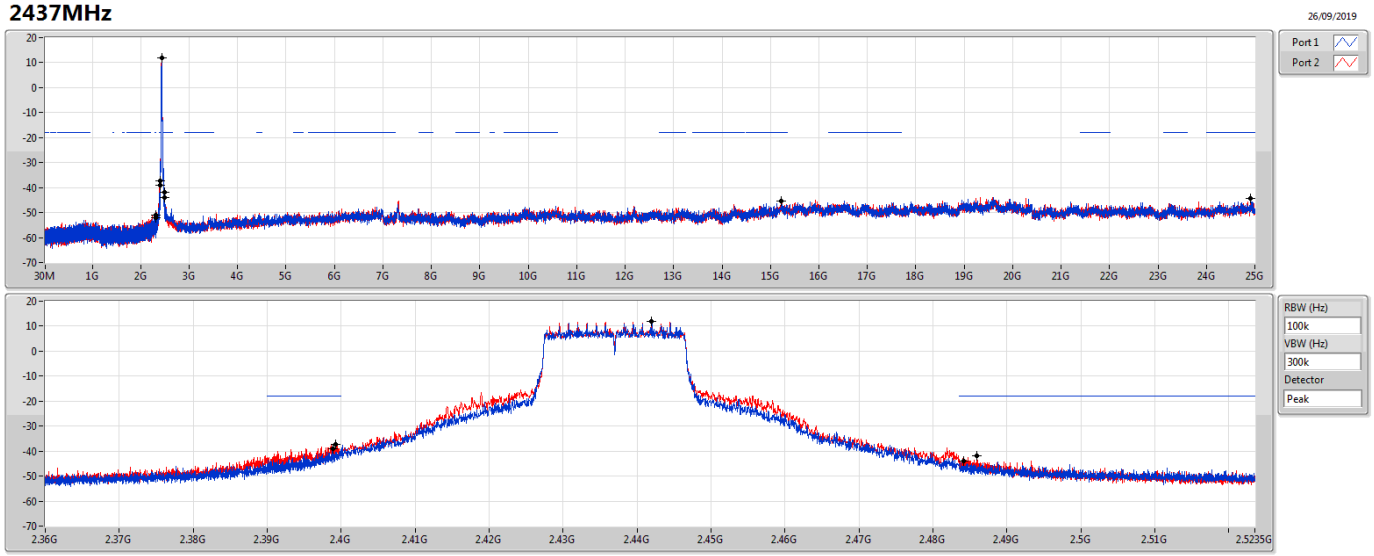
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	11.98	-18.02	2.30321G	-52.70	2.39994G	-38.78	2.51068G	-49.77	16.86913G	-44.93	1
2.44196G	11.98	-18.02	852.2M	-53.38	2.39906G	-37.74	2.49266G	-49.73	16.44488G	-45.33	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

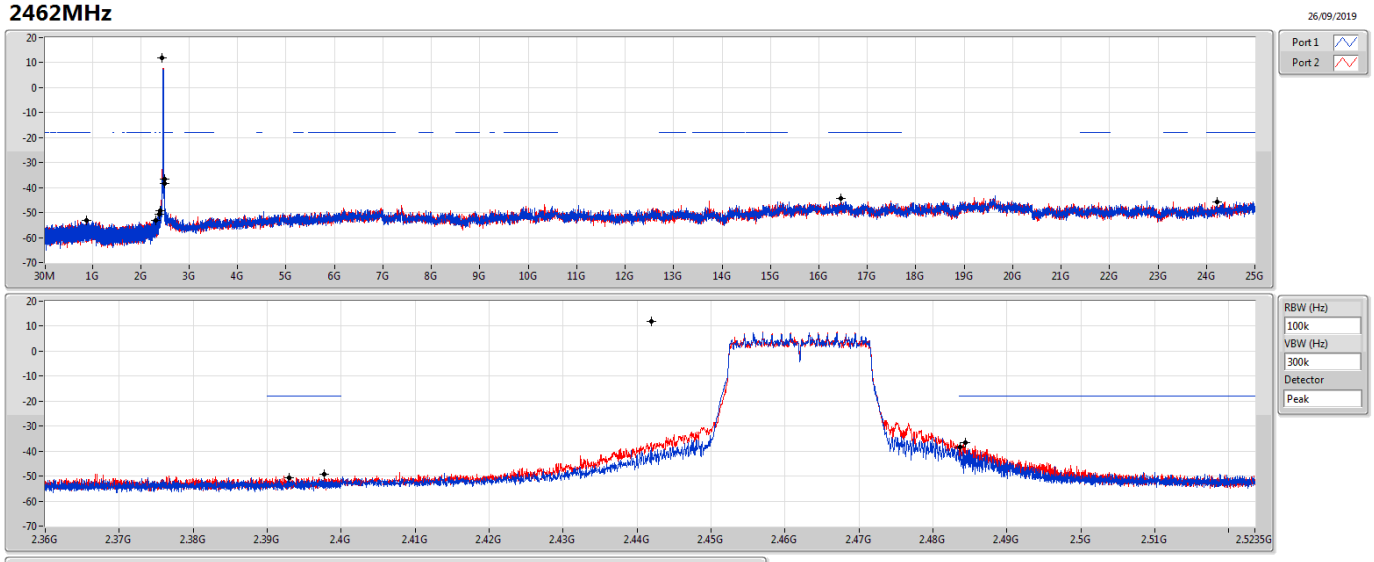
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	11.98	-18.02	2.3067G	-52.16	2.3989G	-39.03	2.48414G	-43.94	15.21991G	-45.45	1
2.44196G	11.98	-18.02	2.30845G	-51.13	2.39928G	-37.34	2.48592G	-41.85	24.91571G	-44.40	2

802.11ax HEW20_Nss2,(MCS0)_2TX **CSE NdB**

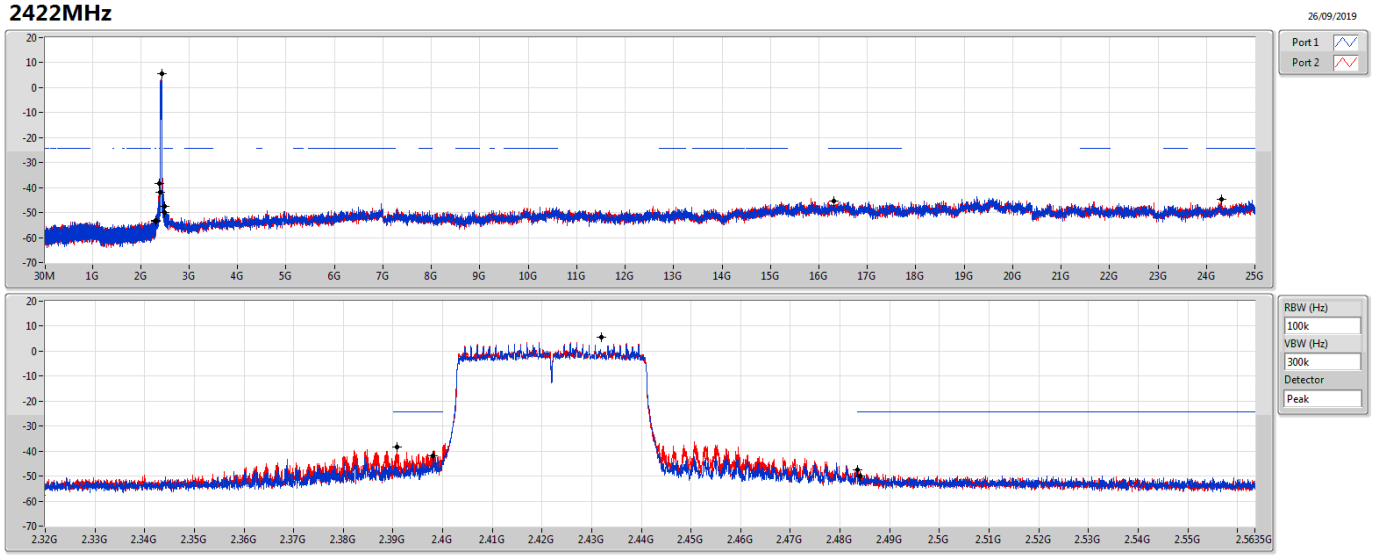
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.44196G	11.98	-18.02	876.37M	-53.00	2.39292G	-50.66	2.48364G	-38.32	24.22175G	-45.58	1
2.44196G	11.98	-18.02	2.3035G	-53.05	2.3977G	-49.24	2.48436G	-36.71	16.45893G	-44.50	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSE NdB**

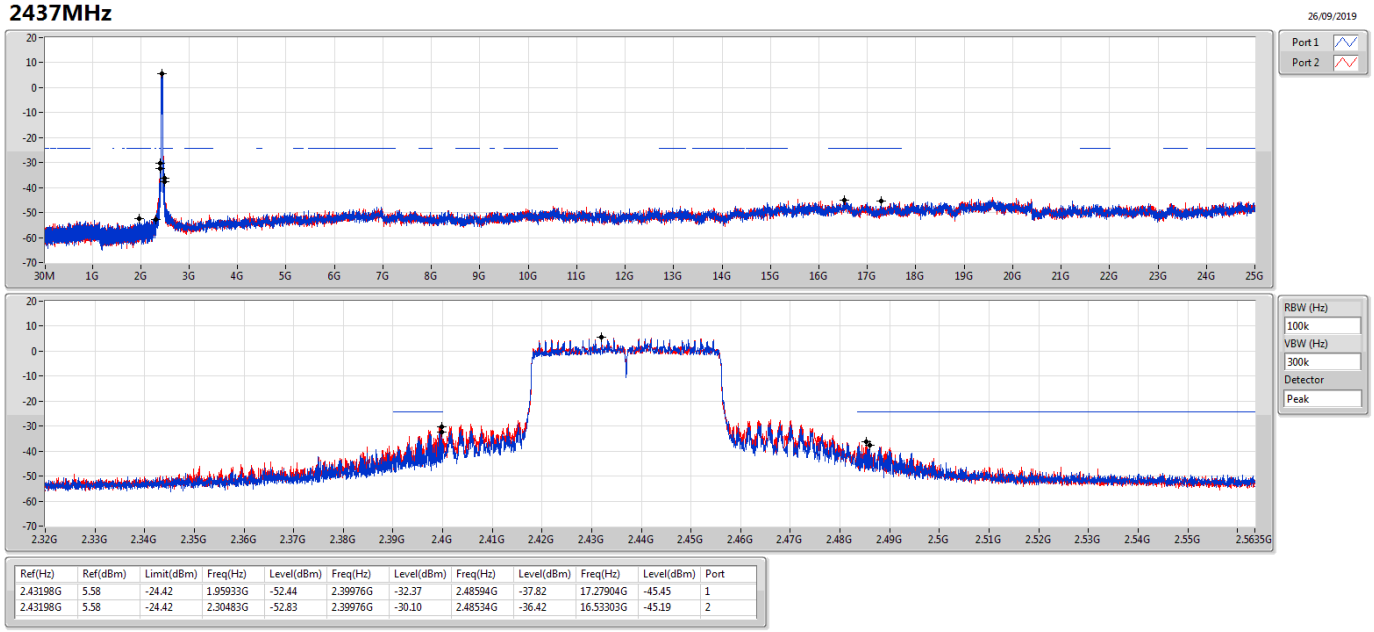
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	5.58	-24.42	2.30769G	-53.33	2.398G	-41.72	2.48402G	-49.85	24.31008G	-44.76	1
2.43198G	5.58	-24.42	2.30884G	-53.06	2.39076G	-38.38	2.48358G	-47.55	16.30025G	-45.40	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSE NdB**

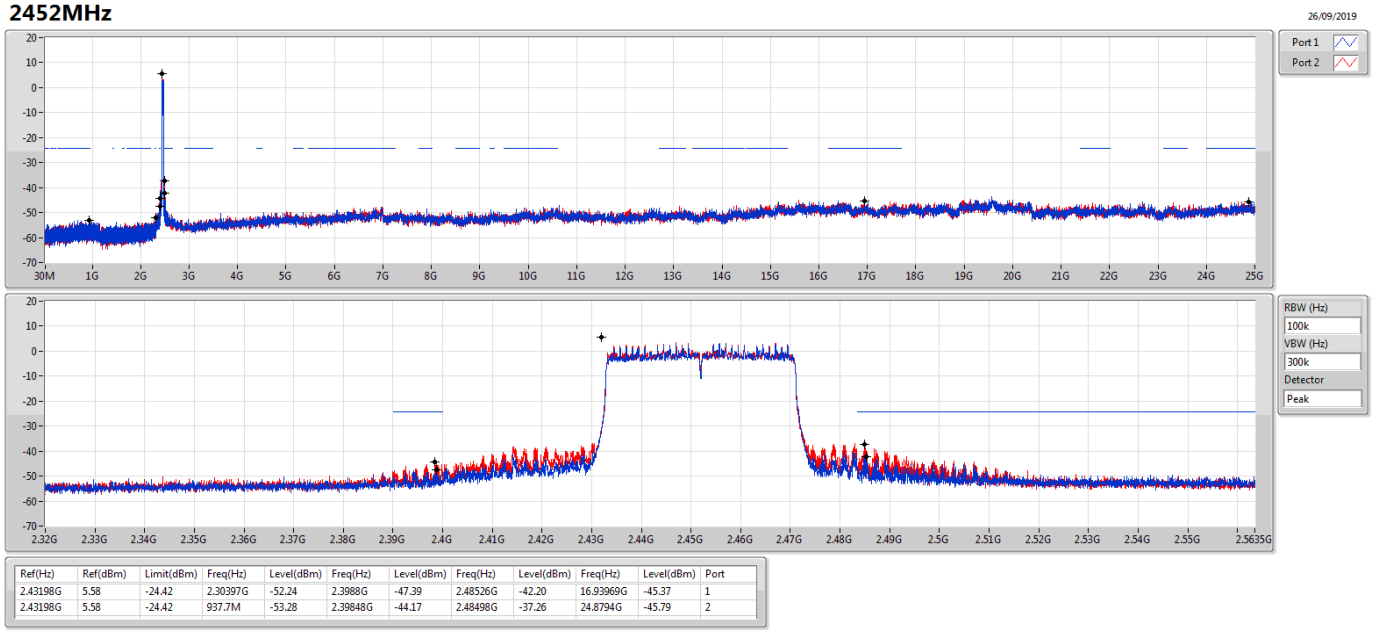
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	5.58	-24.42	1.95933G	-52.44	2.39976G	-32.37	2.48594G	-37.82	17.27904G	-45.45	1
2.43198G	5.58	-24.42	2.30483G	-52.83	2.39976G	-30.10	2.48534G	-36.42	16.53303G	-45.19	2

802.11ax HEW40_Nss2,(MCS0)_2TX **CSE NdB**

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43198G	5.58	-24.42	2.30397G	-52.24	2.3988G	-47.39	2.48526G	-42.20	16.93969G	-45.37	1
2.43198G	5.58	-24.42	937.7M	-53.28	2.39848G	-44.17	2.48498G	-37.26	24.8794G	-45.79	2

Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43198G	12.98	-17.02	2.30175G	-52.73	2.39996G	-24.41	2.52052G	-49.80	6.50746G	-47.04	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.43198G	6.05	-23.95	2.12363G	-52.80	2.39944G	-31.11	2.48478G	-36.61	16.8864G	-46.89	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	12.98	-17.02	937.54M	-53.73	2.39986G	-29.66	2.51988G	-49.32	15.13001G	-46.96	1
2412MHz	Pass	2.43198G	12.98	-17.02	2.30175G	-52.73	2.39996G	-24.41	2.52052G	-49.80	6.50746G	-47.04	2
2437MHz	Pass	2.43198G	12.98	-17.02	2.30204G	-51.28	2.39994G	-38.92	2.48462G	-41.52	16.72584G	-47.02	1
2437MHz	Pass	2.43198G	12.98	-17.02	2.30321G	-52.39	2.39582G	-35.16	2.48384G	-37.72	16.44488G	-46.94	2
2462MHz	Pass	2.43198G	12.98	-17.02	1.71313G	-53.38	2.39828G	-49.92	2.48368G	-38.10	17.05456G	-46.76	1
2462MHz	Pass	2.43198G	12.98	-17.02	2.18904G	-52.85	2.39008G	-49.81	2.4839G	-35.32	24.46337G	-47.26	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	6.05	-23.95	959.17M	-53.45	2.39324G	-40.37	2.55646G	-49.06	15.08587G	-45.87	1
2422MHz	Pass	2.43198G	6.05	-23.95	2.30483G	-52.38	2.39924G	-34.64	2.48446G	-43.67	16.93408G	-47.33	2
2437MHz	Pass	2.43198G	6.05	-23.95	2.10961G	-52.16	2.39952G	-36.66	2.4847G	-42.25	6.9891G	-46.75	1
2437MHz	Pass	2.43198G	6.05	-23.95	2.12363G	-52.80	2.39944G	-31.11	2.48478G	-36.61	16.8864G	-46.89	2
2452MHz	Pass	2.43198G	6.05	-23.95	2.16142G	-52.91	2.39732G	-50.29	2.48426G	-44.34	15.13635G	-47.31	1
2452MHz	Pass	2.43198G	6.05	-23.95	2.05665G	-52.72	2.39444G	-45.97	2.48882G	-36.11	16.20209G	-47.42	2