



FCC Radio Test Report

FCC ID : TVE-4111BBE0671
Equipment : Secured Wireless Access Point
Brand Name : FORTINET
Model Name : FortiAP U432Fxxxxxx, FAP-U432Fxxxxxx, FORTIAP-U432Fxxxxxx
(where “x” can be “A-Z”, or “0-9”, or “-“, or blank for software purposes or marketing purposes only)
Applicant : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Manufacturer : Fortinet, Inc.
899 Kifer Road, Sunnyvale, CA 94086, USA
Standard : 47 CFR FCC Part 15.247

The product was received on Dec. 16, 2020, and testing was started from Dec. 24, 2020 and completed on Apr. 15, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua 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. Hsinhua Laboratory, the test report shall not be reproduced except in full.

Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)



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PHOTOGRAPHS OF EUT V01



Summary of Test Result

Report Clause	Ref. Std. Clause	Test Items	Result (PASS/FAIL)	Remark
1.1.2	15.203	Antenna Requirement	PASS	-
3.1	15.207	AC Power-line Conducted Emissions	PASS	-
3.2	15.247(a)	DTS Bandwidth	PASS	-
3.3	15.247(b)	Maximum Conducted Output Power	PASS	-
3.4	15.247(e)	Power Spectral Density	PASS	-
3.5	15.247(d)	Emissions in Non-restricted Frequency Bands	PASS	-
3.6	15.247(d)	Emissions in Restricted Frequency Bands	PASS	-

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Ann Hou



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]

Non-Beamforming_Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11b	20	4TX
2.4-2.4835GHz	802.11g	20	4TX
2.4-2.4835GHz	802.11n HT20	20	4TX
2.4-2.4835GHz	802.11n HT40	40	4TX
2.4-2.4835GHz	VHT20	20	4TX
2.4-2.4835GHz	VHT40	40	4TX
2.4-2.4835GHz	802.11ax HEW20	20	4TX
2.4-2.4835GHz	802.11ax HEW40	40	4TX

Non-Beamforming_Radio 3

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

Beamforming_Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	4TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	4TX

Beamforming_Radio 3

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	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 Name	Antenna Type	Connector
1	SENAO	5718A0619300	Dipole	N-type
2	SENAO	5718A0619300	Dipole	N-type
3	SENAO	5718A0619300	Dipole	N-type
4	SENAO	5718A0619300	Dipole	N-type
5	SENAO	5718A0620300	Dipole	N-type
6	SENAO	5718A0620300	Dipole	N-type
7	SENAO	5718A0620300	Dipole	N-type
8	SENAO	5718A0620300	Dipole	N-type
9	SENAO	5718A0619300	Dipole	N-type
10	SENAO	5718A0619300	Dipole	N-type
11	SENAO	5718A0618300	Dipole	N-type

Radio	Ant.	Port	Antenna Gain (dBi)				Cable Loss Gain (dBi)			
			2.4G	5G	BT	Zigbee	2.4G	5G	BT	Zigbee
1	1	1	5.5	7.2	-	-	0.6	1	-	-
	2	2	5.5	7.2	-	-	0.6	1	-	-
	3	3	5.5	7.2	-	-	0.5	0.8	-	-
	4	4	5.5	7.2	-	-	0.4	0.7	-	-
2	5	1	-	6.3	-	-	-	1	-	-
	6	2	-	6.3	-	-	-	1.1	-	-
	7	3	-	6.3	-	-	-	0.9	-	-
	8	4	-	6.3	-	-	-	0.9	-	-
3	9	1	5.5	7.2	-	-	0.6	1	-	-
	10	2	5.5	7.2	-	-	0.6	1	-	-
BT+Zigbee	11	1	-	-	4.5	4.5	-	-	0.5	0.5

Note 1: The EUT has eleven antennas.

For 2.4GHz function:

Radio 1

For IEEE 802.11 b/g/n/VHT/ax mode (4TX/4RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.



Radio 3

For IEEE 802.11 b/g/n/VHT/ax mode (2TX/2RX)

Ant. 9 (port 1) and Ant. 10 (port 2) could transmit/receive simultaneously.

For 5GHz function:

Radio 1

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX)

Ant. 1 (port 1), Ant. 2 (port 2), Ant. 3 (port 3) and Ant. 4 (port 4) could transmit/receive simultaneously.

Radio 2

For IEEE 802.11 a/n/ac/ax mode (4TX/4RX)

Ant. 5 (port 1), Ant. 6 (port 2), Ant. 7 (port 3) and Ant. 8 (port 4) could transmit/receive simultaneously.

Radio 3

For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)

Ant. 9 (port 1) and Ant. 10 (port 2) could transmit/receive simultaneously.

For Bluetooth function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)

Only Ant. 11 (port 1) could transmit/receive.

For Zigbee function:

For Zigbee mode (1TX/1RX)

Only Ant. 11 (port 1) could transmit/receive.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From PoE		
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point	
Beamforming Function	<input checked="" type="checkbox"/> With beamforming	<input type="checkbox"/> Without beamforming	
Type of EUT			
<input checked="" type="checkbox"/>	Stand-alone		
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:	...	
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:	...	
<input type="checkbox"/>	Other:		

1.1.4 Table for Multiple Listing

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

Brand Name	Model Name	Description
FORTINET	FortiAP U432Fxxxxxx	All the models are identical, the difference model for served as marketing strategy.
	FAP-U432Fxxxxxx	
	FORTIAP-U432Fxxxxxx	



1.1.5 Mode Test Duty Cycle

Non-Beamforming_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_4TX	0.936	0.29	12.418m	100
802.11g_Nss1,(6Mbps)_4TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_4TX	0.95	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_4TX	0.906	0.43	945u	3k
VHT20_Nss1,(MCS0)_4TX	0.984	0.07	1.929m	10
VHT40_Nss1,(MCS0)_4TX	0.97	0.13	953.125u	3k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.979	0.09	1.488m	1k
802.11ax HEW40_Nss1,(MCS0)_4TX	0.962	0.17	773.125u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Non-Beamforming_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.968	0.14	10.479m	100
802.11g_Nss1,(6Mbps)_2TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.951	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.902	0.45	945u	3k
VHT20_Nss1,(MCS0)_2TX	0.986	0.06	1.929m	10
VHT40_Nss1,(MCS0)_2TX	0.97	0.13	953.125u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	1.488m	1k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.962	0.17	773.125u	3k

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF	0.925	0.34	2.933m	1k
802.11ax HEW40-BF	0.931	0.31	5.102m	300

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.

Beamforming_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.868	0.61	2.932m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.95	0.22	4.367m	300

Note. If DC < 0.98, the DCF was added while measuring Output power and PSD.



1.2 Testing Applied Standards

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

- ◆ 47 CFR FCC Part 15
- ◆ ANSI C63.10-2013

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/> Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward	18.2~19.2°C / 42~48%	31/Dec/2020
RF Conducted	TH06-HY	Alan	20.1~26.9°C / 50~60%	25/Dec/2020~14/Feb/2021
Radiated	03CH02-HY	Frank	19.7~26.5°C / 50~60%	24/Dec/2020~15/Apr/2021
<input type="checkbox"/> Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
Conducted Emission (150kHz ~ 30MHz)	0.9 dB	Confidence levels of 95%
Radiated Emission (9kHz ~ 30MHz)	2.4 dB	Confidence levels of 95%
Radiated Emission (30MHz ~ 1,000MHz)	3.7 dB	Confidence levels of 95%
Radiated Emission (1GHz ~ 18GHz)	3.6 dB	Confidence levels of 95%
Radiated Emission (18GHz ~ 40GHz)	3.5 dB	Confidence levels of 95%
Conducted Emission	1.0 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%



2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	accessMTool_REL_3_1_0_1
-----------------------	-------------------------

Non-Beamforming_Radio 1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	93
2437MHz	95
2462MHz	95
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	71
2417MHz	80
2437MHz	90
2457MHz	73
2462MHz	68
802.11n HT20_Nss1,(MCS0)_4TX	-
2412MHz	65
2417MHz	77
2437MHz	89
2457MHz	64
2462MHz	57
802.11n HT40_Nss1,(MCS0)_4TX	-
2422MHz	69
2427MHz	73
2437MHz	73
2447MHz	69
2452MHz	66
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	65
2417MHz	77
2437MHz	89
2457MHz	64
2462MHz	57
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	69



Mode	Power Setting
2427MHz	73
2437MHz	73
2447MHz	69
2452MHz	66
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	65
2417MHz	77
2437MHz	89
2457MHz	64
2462MHz	57
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	69
2427MHz	73
2437MHz	73
2447MHz	69
2452MHz	66

Non-Beamforming_Radio 3

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	96
2437MHz	96
2457MHz	95
2462MHz	84
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	71
2417MHz	77
2437MHz	88
2457MHz	73
2462MHz	69
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	65
2417MHz	77
2437MHz	86
2457MHz	73
2462MHz	60
802.11n HT40_Nss1,(MCS0)_2TX	-



Mode	Power Setting
2422MHz	66
2427MHz	69
2437MHz	73
2447MHz	71
2452MHz	69
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	65
2417MHz	77
2437MHz	86
2457MHz	73
2462MHz	60
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	66
2427MHz	69
2437MHz	73
2447MHz	71
2452MHz	69
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	65
2417MHz	77
2437MHz	86
2457MHz	73
2462MHz	60
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	66
2427MHz	69
2437MHz	73
2447MHz	71
2452MHz	69



Beamforming_Radio 1

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	67
2417MHz	74
2437MHz	75
2457MHz	74
2462MHz	71
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	66
2427MHz	68
2437MHz	73
2447MHz	72
2452MHz	72


Beamforming_Radio 3

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	70
2417MHz	78
2437MHz	90
2457MHz	73
2462MHz	68
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	66
2427MHz	72
2437MHz	76
2447MHz	76
2452MHz	74

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	PoE mode

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

The Worst Case Mode for Following Conformance Tests	
Tests Item	Emissions in Restricted Frequency Bands
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.
Operating Mode < 1GHz	CTX
1	PoE mode
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Y Plane
	

The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Operating Mode	CTX
1	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(2.4G)+ Bluetooth
2	Radio 1(5G)+ Radio 2(5G)+ Radio 3(2.4G)+ Bluetooth
3	Radio 1(5G)+ Radio 2(5G)+ Radio 3(5G)+ Bluetooth
4	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(5G)+ Bluetooth
5	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(2.4G)+Zigbee
6	Radio 1(5G)+ Radio 2(5G)+ Radio 3(2.4G)+Zigbee
7	Radio 1(5G)+ Radio 2(5G)+ Radio 3(5G)+Zigbee
8	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(5G)+Zigbee
Refer to Sporton Test Report No.: FA0D1422 for Co-location RF Exposure Evaluation.	



2.3 Accessories

Accessories				
PoE Adapter	Brand Name	Senao Inc.	Model Name	PIN060-54PR
	Power Rating	I/P: 100-240Vac, 1.5A, 50-60Hz, O/P: 54Vdc, 1.11A		
AC CORD	Brand Name	I-SHENG	Model Name	AC CORD 600mm
	Signal Line	0.5 meter, shielded cable, w/o ferrite core		
Ground Wire	Brand Name	BO YAO	Model Name	WIRE GEN AWG10 180cm
	Signal Line	1.8 meter, shielded cable, w/o ferrite core		
Bracket wall mount	Brand Name	XIERTEK	Model Name	BRACKET WALL MOUNT
Bracket pole mount	Brand Name	CUN SHENG	Model Name	BRACKET POLE MOUN

Reminder: Regarding to more detail and other information, please refer to user manual.

2.4 Support Equipment

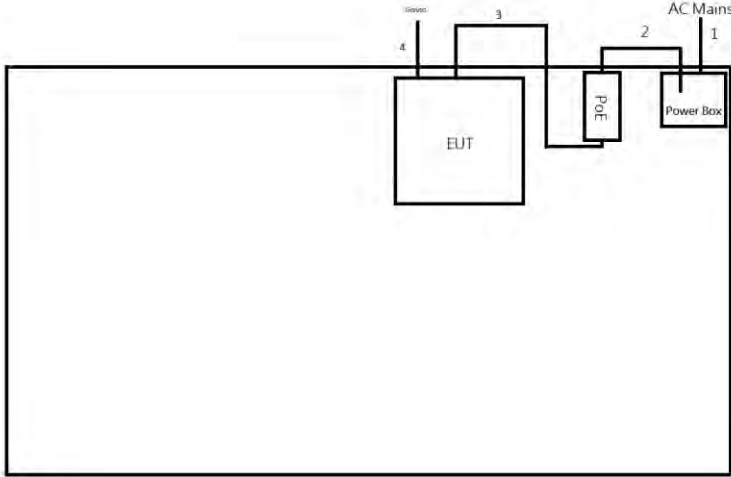
Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power Sync	CAT-6E-01	-	-
2	AC Power Cable	I-SHENG	AC CORD 600mm	-	Customer provide /Remote
3	Notebook	DELL	PP13S	-	Remote
4	RJ45 Cable	Power Sync	CAT-6E-01	-	Remote
5	RJ45 Cable	Power Sync	CAT-6E-10	-	Remote
6	Client	SENAO	FAP-U432F	-	Customer provide /Remote

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	AC Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power Sync	CAT-6E-01	-	-
2	RJ45 Cable	Power Sync	CAT-6E-10	-	-
3	Notebook	HP	5220M	-	Remote
4	AC Adapter for NB	HP	PPP012L-E	-	Remote
5	RJ45 Cable	Power Sync	CAT-6E-01	-	Remote
6	RJ45 Cable	Power Sync	CAT-6E-10	-	Remote
7	Client	SENAO	FAP-U432F	-	Customer provide /Remote

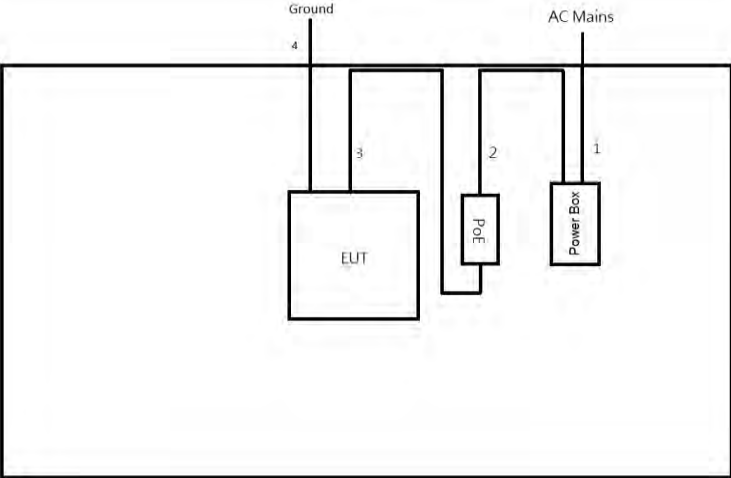
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (Non-Beamforming)



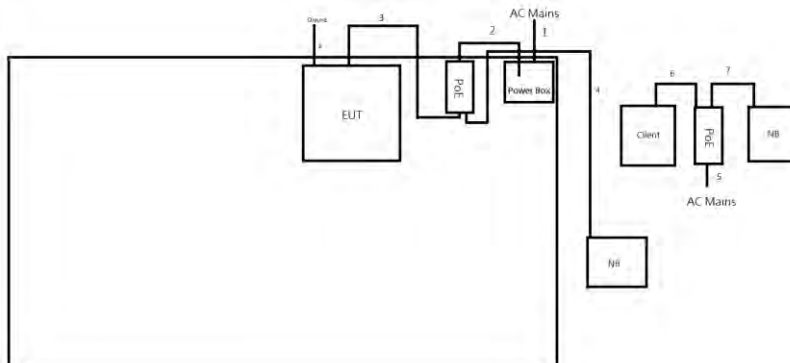
Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.5
2	AC Power cable	YES	0.5
3	RJ45 cable	No	1.0
4	Ground Wire	YES	1.8

Test Setup Diagram - Radiated Test (Non-Beamforming)



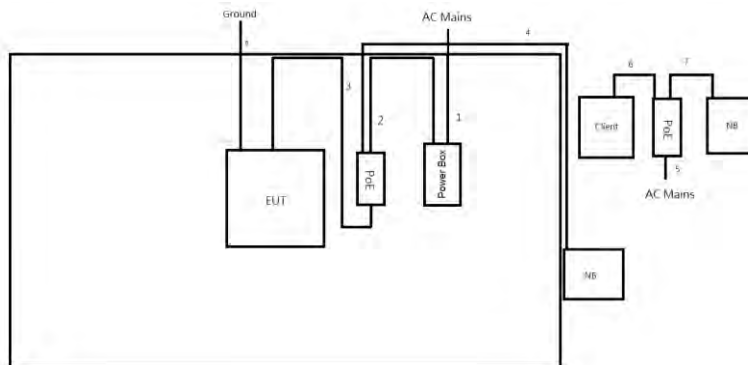
Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.8
2	AC Power cable	Yes	0.5
3	RJ45 cable	No	1.0
4	Ground Wire	YES	1.8

Test Setup Diagram – AC Line Conducted Emission Test (Beamforming)



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.5
2	AC Power cable	YES	0.5
3	RJ45 cable	No	1.0
4	RJ45 Cable	No	10.0
5	AC Power cable	YES	0.5
6	RJ45 Cable	No	1.0
7	RJ45 Cable	No	1.0
8	Ground Wire	YES	1.8

Test Setup Diagram - Radiated Test (Beamforming)



Item	Connection	Shielded	Length(m)
1	AC Power cable	No	1.5
2	AC Power cable	YES	0.5
3	RJ45 cable	No	1.0
4	RJ45 Cable	No	10.0
5	AC Power cable	YES	0.5
6	RJ45 Cable	No	1.0
7	RJ45 Cable	No	1.0
8	Ground Wire	YES	1.8



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

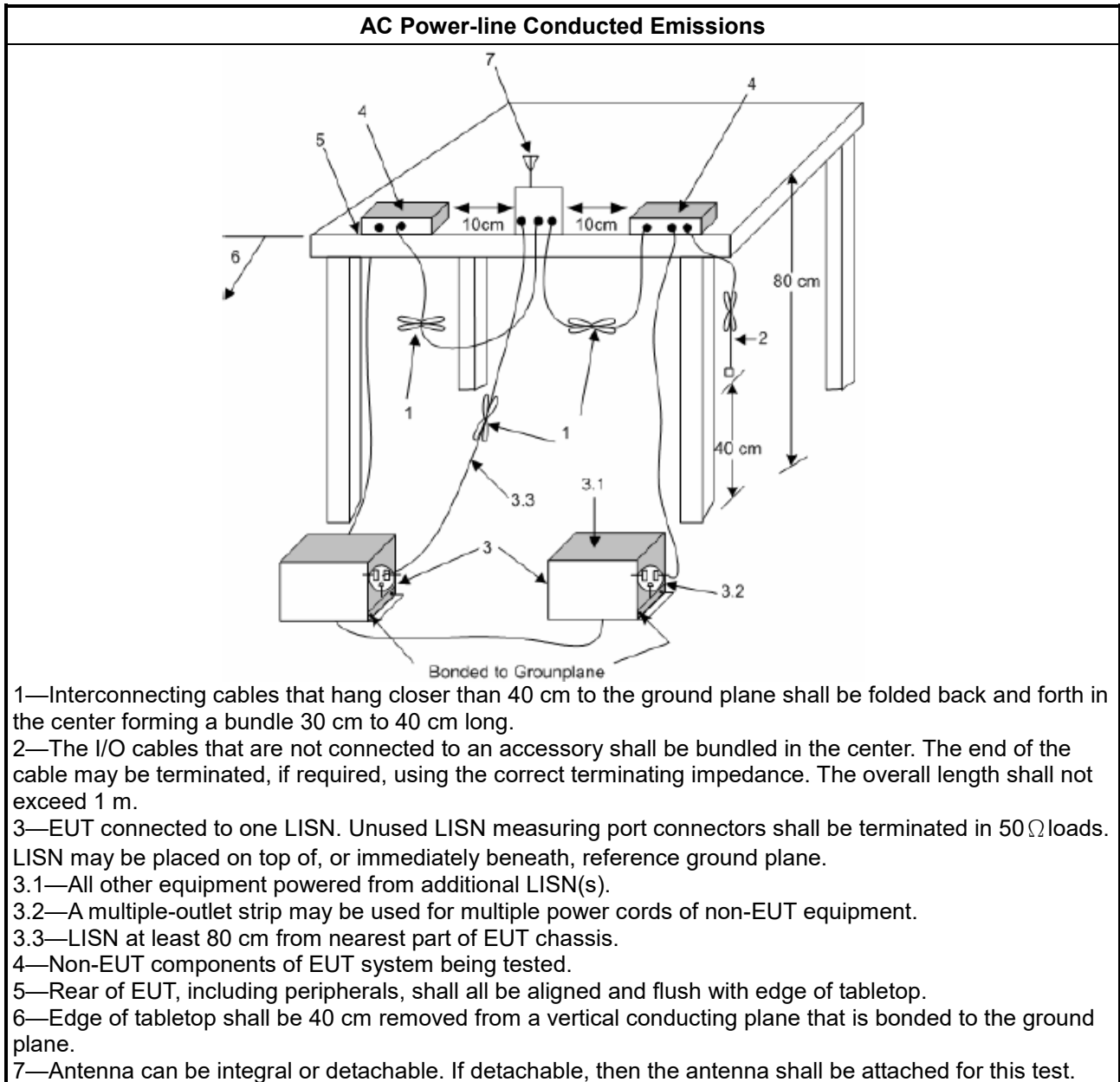
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.1.5 Test Setup



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:
<ul style="list-style-type: none"> ▪ 6 dB bandwidth \geq 500 kHz.

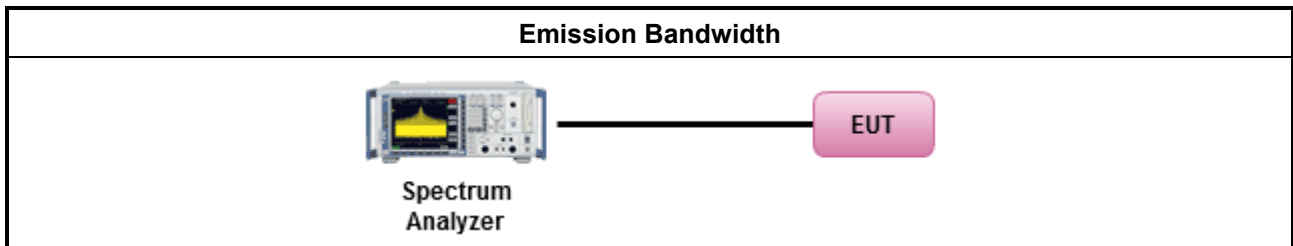
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> ▪ For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/> Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
<input type="checkbox"/> Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
<input type="checkbox"/> Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

3.2.4 Test Setup



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	
	<ul style="list-style-type: none"> ▪ If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS):
	<ul style="list-style-type: none"> - Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:	
	<ul style="list-style-type: none"> ▪ 2400-2483.5 MHz Band
	<ul style="list-style-type: none"> ▪ Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	<ul style="list-style-type: none"> ▪ Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	<ul style="list-style-type: none"> ▪ Smart antenna system (SAS)
	<ul style="list-style-type: none"> - Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	<ul style="list-style-type: none"> - Aggregate power on all beams: $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX} + 8])$ 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.	

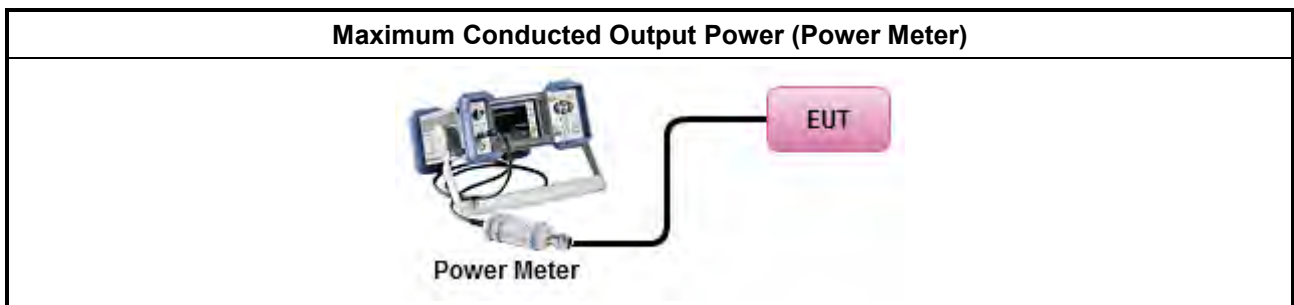
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
<ul style="list-style-type: none"> ▪ Maximum Peak Conducted Output Power 	
	<input type="checkbox"/> Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
	<input type="checkbox"/> Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
	<input type="checkbox"/> Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
<ul style="list-style-type: none"> ▪ Maximum Average Conducted Output Power 	
	<input type="checkbox"/> Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
	<input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
<ul style="list-style-type: none"> ▪ For conducted measurement. 	
	<ul style="list-style-type: none"> ▪ If the EUT supports multiple transmit chains using options given below: Refer as 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.
	<ul style="list-style-type: none"> ▪ If multiple transmit chains, EIRP calculation could be following as methods: $P_{total} = P_1 + P_2 + \dots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup



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
<ul style="list-style-type: none"> Power Spectral Density (PSD) \leq 8 dBm/3kHz

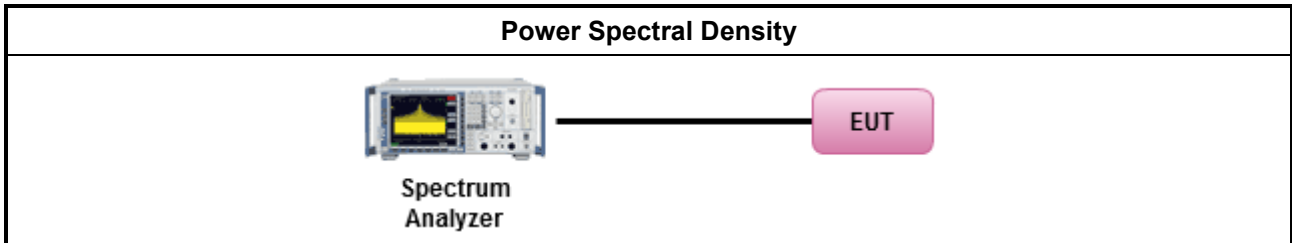
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
<ul style="list-style-type: none"> 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).
<input checked="" type="checkbox"/> Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
<ul style="list-style-type: none"> For conducted measurement. <ul style="list-style-type: none"> If The EUT supports multiple transmit chains using options given below: <ul style="list-style-type: none"> Measure and sum the spectra across the outputs. Refer as 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.

3.4.4 Test Setup



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 (dB)
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 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 level.

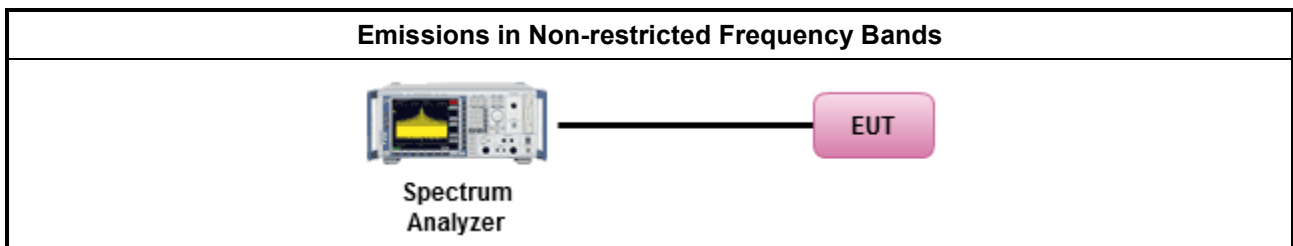
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.5 (11.11 of ANSI C63.10) for non-restricted frequency bands.

3.5.4 Test Setup



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

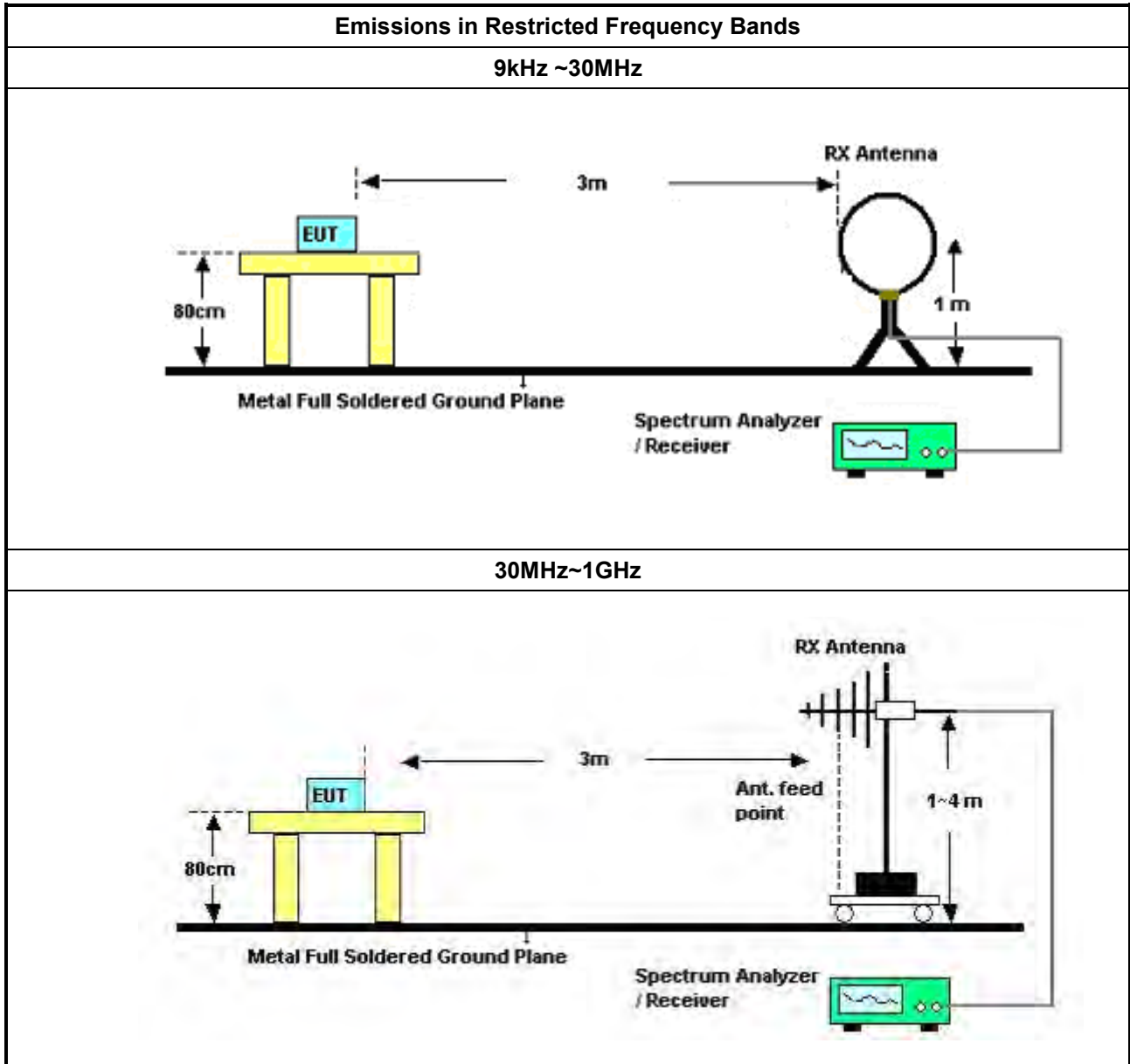
Test Method	
	<ul style="list-style-type: none"> The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
	<ul style="list-style-type: none"> For the transmitter unwanted emissions shall be measured using following options below:
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
	<ul style="list-style-type: none"> For the transmitter band-edge emissions shall be measured using following options below:
	<ul style="list-style-type: none"> Refer as KDB 558074 clause 8.7.1, 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.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	<ul style="list-style-type: none"> Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
	<ul style="list-style-type: none"> Use the following spectrum analyzer settings:
	<ul style="list-style-type: none"> Set RBW=100 kHz for f < 1 GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	<ul style="list-style-type: none"> Set RBW = 1 MHz, VBW= 3MHz for f ≥ 1 GHz for peak measurement. For average measurement, refer as 1.1.4.
	<ul style="list-style-type: none"> KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.
	<ul style="list-style-type: none"> Based on FCC 15.31(f)(2): measurements may be performed at a distance closer than that specified in regulations; however, an attempt should be made to avoid making measurements in the near field.
	<ul style="list-style-type: none"> Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

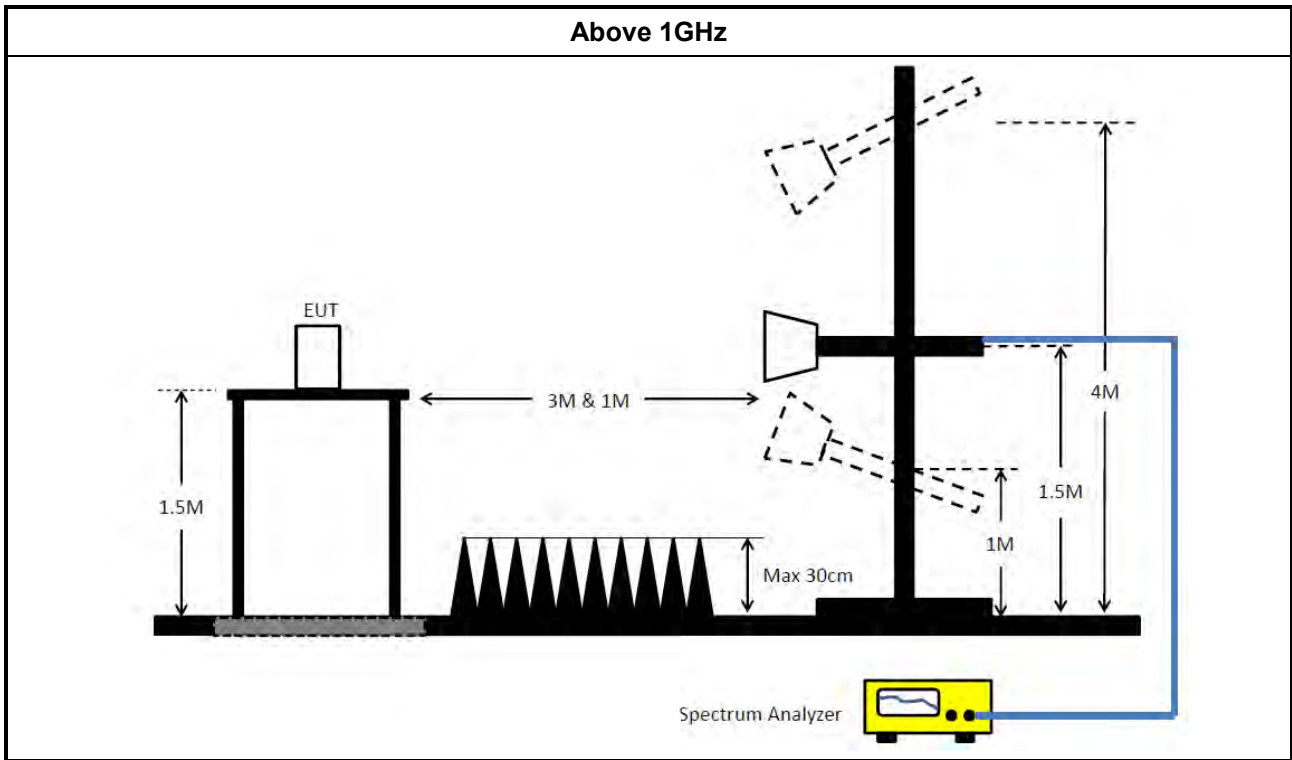
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamplifier Factor)

3.6.5 Test Setup





3.6.6 Test Result of Emissions in Restricted Frequency Bands (Below 30MHz)

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	11/Nov/2020	10/Nov/2021
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	31/Aug/2020	30/Aug/2021
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	21/Sep/2020	20/Sep/2021

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	19/Oct/2020	18/Oct/2021
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	27/Nov/2020	26/Nov/2021
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	27/Nov/2020	26/Nov/2021

Instrument for Radiated Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	19/Aug/2020	18/Aug/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	23/Mar/2021	22/Mar/2022
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+8051 92/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+8051 92/4	1GHz~40GHz	06/Apr/2021	05/Apr/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	13/Mar/2020	12/Mar/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	11/Mar/2021	10/Mar/2022
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	09/Mar/2021	08/Mar/2022



Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Loop Antenna	Teseq	HLA 6120	24155	9kHz~30MHz	13/Apr/2020	12/Apr/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2021	15/Mar/2022
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



Conducted Emissions at Powerline_Non-Beamforming_Radio 1 Appendix A.1

Summary

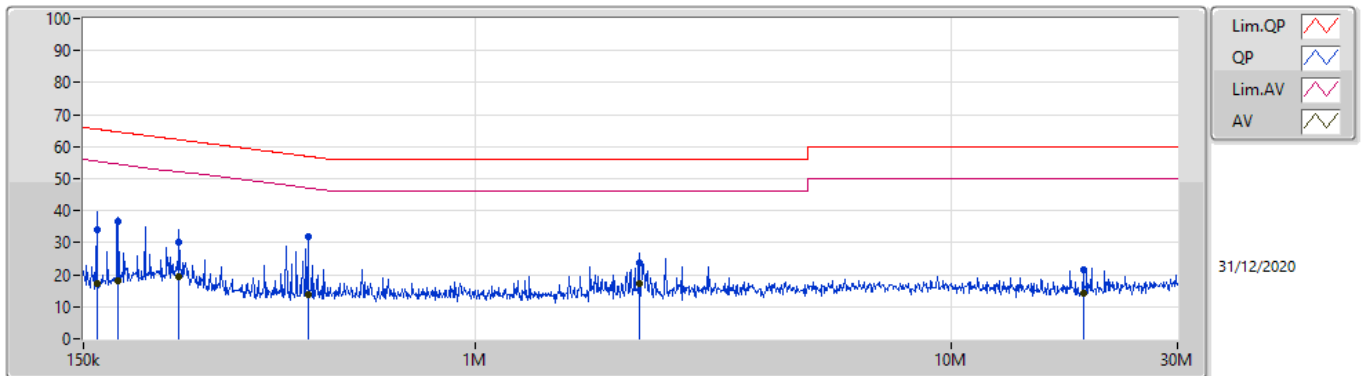
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	444.284k	31.74	56.98	-25.24	Line

Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	159.893k	34.06	65.46	-31.40	Line	-
Mode 1	Pass	AV	159.893k	17.15	55.46	-38.31	Line	-
Mode 1	Pass	QP	177.381k	36.73	64.60	-27.87	Line	-
Mode 1	Pass	AV	177.381k	18.19	54.60	-36.41	Line	-
Mode 1	Pass	QP	238.343k	29.99	62.16	-32.17	Line	-
Mode 1	Pass	AV	238.343k	19.58	52.16	-32.58	Line	-
Mode 1	Pass	QP	444.284k	31.74	56.98	-25.24	Line	"Worst"
Mode 1	Pass	AV	444.284k	13.76	46.98	-33.22	Line	-
Mode 1	Pass	QP	2.211M	23.56	56.00	-32.44	Line	-
Mode 1	Pass	AV	2.211M	17.09	46.00	-28.91	Line	-
Mode 1	Pass	QP	19.014M	21.66	60.00	-38.34	Line	-
Mode 1	Pass	AV	19.014M	14.07	50.00	-35.93	Line	-
Mode 1	Pass	QP	166.406k	32.75	65.14	-32.39	Neutral	-
Mode 1	Pass	AV	166.406k	17.18	55.14	-37.96	Neutral	-
Mode 1	Pass	QP	209.76k	29.58	63.21	-33.63	Neutral	-
Mode 1	Pass	AV	209.76k	17.93	53.21	-35.28	Neutral	-
Mode 1	Pass	QP	428.605k	25.25	57.28	-32.03	Neutral	-
Mode 1	Pass	AV	428.605k	13.02	47.28	-34.26	Neutral	-
Mode 1	Pass	QP	2.194M	24.73	56.00	-31.27	Neutral	-
Mode 1	Pass	AV	2.194M	16.78	46.00	-29.22	Neutral	"Worst"
Mode 1	Pass	QP	2.71M	22.24	56.00	-33.76	Neutral	-
Mode 1	Pass	AV	2.71M	13.60	46.00	-32.40	Neutral	-
Mode 1	Pass	QP	18.343M	20.84	60.00	-39.16	Neutral	-
Mode 1	Pass	AV	18.343M	14.16	50.00	-35.84	Neutral	-

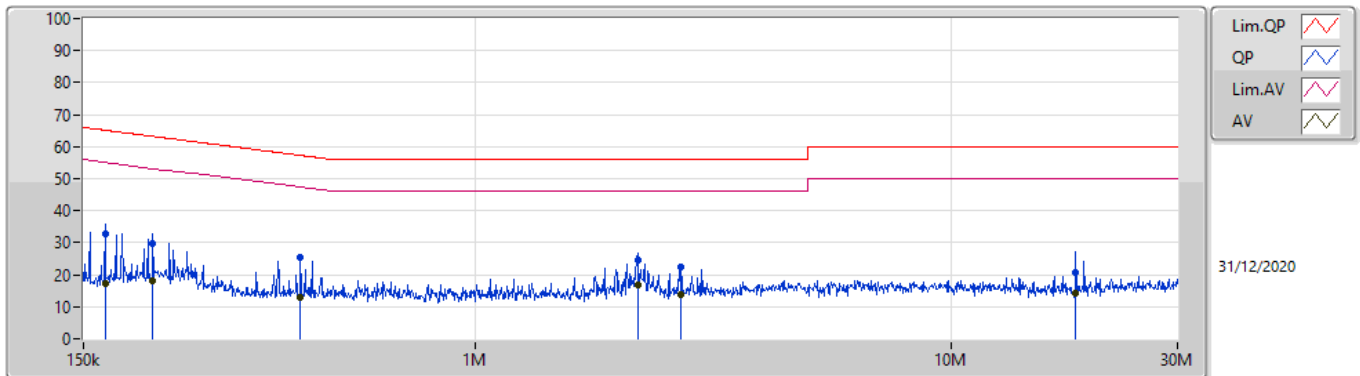


Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	159.893k	34.06	65.46	-31.40	19.60	Line	-	14.46	9.69	0.01	9.90			
AV	159.893k	17.15	55.46	-38.31	19.60	Line	-	-2.45	9.69	0.01	9.90			
QP	177.381k	36.73	64.60	-27.87	19.59	Line	-	17.14	9.68	0.01	9.90			
AV	177.381k	18.19	54.60	-36.41	19.59	Line	-	-1.40	9.68	0.01	9.90			
QP	238.343k	29.99	62.16	-32.17	19.59	Line	-	10.40	9.68	0.01	9.90			
AV	238.343k	19.58	52.16	-32.58	19.59	Line	-	-0.01	9.68	0.01	9.90			
QP	444.284k	31.74	56.98	-25.24	19.58	Line	"Worst"	12.16	9.67	0.02	9.89			
AV	444.284k	13.76	46.98	-33.22	19.58	Line	-	-5.82	9.67	0.02	9.89			
QP	2.211M	23.56	56.00	-32.44	19.58	Line	-	3.98	9.68	0.09	9.81			
AV	2.211M	17.09	46.00	-28.91	19.58	Line	-	-2.49	9.68	0.09	9.81			
QP	19.014M	21.66	60.00	-38.34	19.85	Line	-	1.81	9.67	0.28	9.90			
AV	19.014M	14.07	50.00	-35.93	19.85	Line	-	-5.78	9.67	0.28	9.90			

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	166.406k	32.75	65.14	-32.39	19.60	Neutral	-	13.15	9.69	0.01	9.90
AV	166.406k	17.18	55.14	-37.96	19.60	Neutral	-	-2.42	9.69	0.01	9.90
QP	209.76k	29.58	63.21	-33.63	19.59	Neutral	-	9.99	9.68	0.01	9.90
AV	209.76k	17.93	53.21	-35.28	19.59	Neutral	-	-1.66	9.68	0.01	9.90
QP	428.605k	25.25	57.28	-32.03	19.58	Neutral	-	5.67	9.67	0.02	9.89
AV	428.605k	13.02	47.28	-34.26	19.58	Neutral	-	-6.56	9.67	0.02	9.89
QP	2.194M	24.73	56.00	-31.27	19.58	Neutral	-	5.15	9.68	0.09	9.81
AV	2.194M	16.78	46.00	-29.22	19.58	Neutral	"Worst"	-2.80	9.68	0.09	9.81
QP	2.71M	22.24	56.00	-33.76	19.62	Neutral	-	2.62	9.68	0.10	9.84
AV	2.71M	13.60	46.00	-32.40	19.62	Neutral	-	-6.02	9.68	0.10	9.84
QP	18.343M	20.84	60.00	-39.16	19.93	Neutral	-	0.91	9.75	0.28	9.90
AV	18.343M	14.16	50.00	-35.84	19.93	Neutral	-	-5.77	9.75	0.28	9.90



Conducted Emissions at Powerline_Non-Beamforming_Radio 3 Appendix A.2

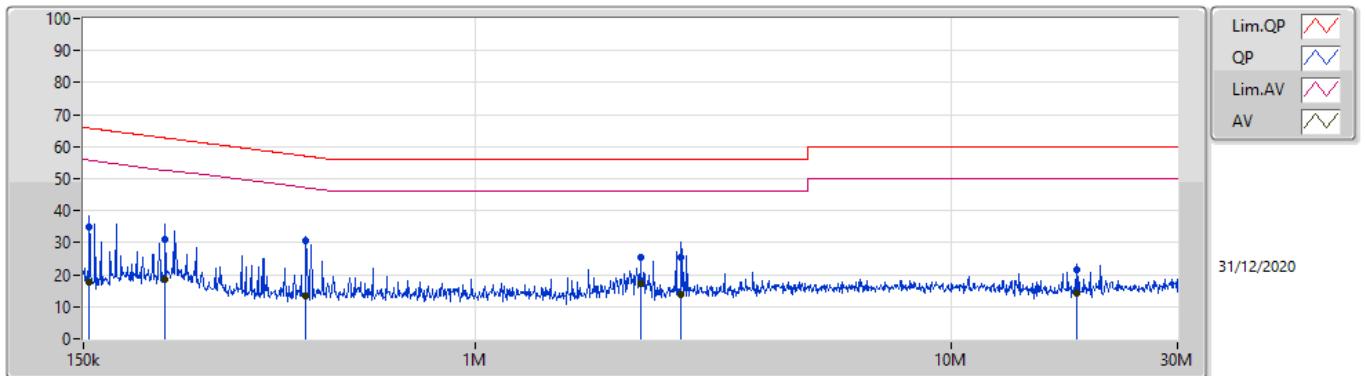
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	440.751k	30.55	57.05	-26.50	Line

Mode Configure

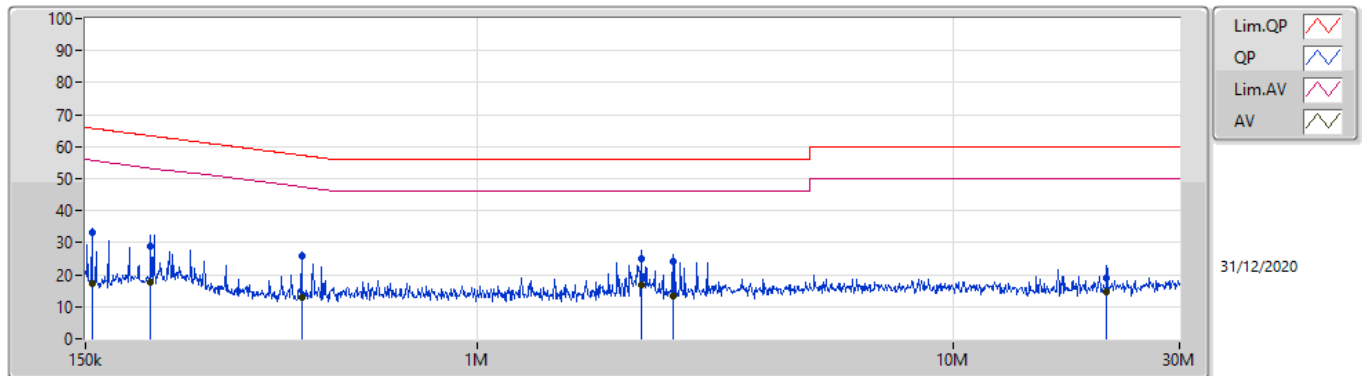
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	154.251k	34.98	65.77	-30.79	Line	-
Mode 1	Pass	AV	154.251k	17.52	55.77	-38.25	Line	-
Mode 1	Pass	QP	222.704k	31.10	62.71	-31.61	Line	-
Mode 1	Pass	AV	222.704k	18.64	52.71	-34.07	Line	-
Mode 1	Pass	QP	440.751k	30.55	57.05	-26.50	Line	"Worst"
Mode 1	Pass	AV	440.751k	13.56	47.05	-33.49	Line	-
Mode 1	Pass	QP	2.229M	25.27	56.00	-30.73	Line	-
Mode 1	Pass	AV	2.229M	17.35	46.00	-28.65	Line	-
Mode 1	Pass	QP	2.71M	25.52	56.00	-30.48	Line	-
Mode 1	Pass	AV	2.71M	13.96	46.00	-32.04	Line	-
Mode 1	Pass	QP	18.417M	21.74	60.00	-38.26	Line	-
Mode 1	Pass	AV	18.417M	14.16	50.00	-35.84	Line	-
Mode 1	Pass	QP	154.868k	33.09	65.73	-32.64	Neutral	-
Mode 1	Pass	AV	154.868k	17.22	55.73	-38.51	Neutral	-
Mode 1	Pass	QP	205.615k	28.96	63.38	-34.42	Neutral	-
Mode 1	Pass	AV	205.615k	17.68	53.38	-35.70	Neutral	-
Mode 1	Pass	QP	426.898k	25.98	57.32	-31.34	Neutral	-
Mode 1	Pass	AV	426.898k	13.06	47.32	-34.26	Neutral	-
Mode 1	Pass	QP	2.211M	25.09	56.00	-30.91	Neutral	-
Mode 1	Pass	AV	2.211M	16.87	46.00	-29.13	Neutral	"Worst"
Mode 1	Pass	QP	2.584M	24.21	56.00	-31.79	Neutral	-
Mode 1	Pass	AV	2.584M	13.54	46.00	-32.46	Neutral	-
Mode 1	Pass	QP	21.094M	18.97	60.00	-41.03	Neutral	-
Mode 1	Pass	AV	21.094M	14.71	50.00	-35.29	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	154.251k	34.98	65.77	-30.79	19.60	Line	-	15.38	9.69	0.01	9.90
AV	154.251k	17.52	55.77	-38.25	19.60	Line	-	-2.08	9.69	0.01	9.90
QP	222.704k	31.10	62.71	-31.61	19.59	Line	-	11.51	9.68	0.01	9.90
AV	222.704k	18.64	52.71	-34.07	19.59	Line	-	-0.95	9.68	0.01	9.90
QP	440.751k	30.55	57.05	-26.50	19.58	Line	"Worst"	10.97	9.67	0.02	9.89
AV	440.751k	13.56	47.05	-33.49	19.58	Line	-	-6.02	9.67	0.02	9.89
QP	2.229M	25.27	56.00	-30.73	19.59	Line	-	5.68	9.68	0.09	9.82
AV	2.229M	17.35	46.00	-28.65	19.59	Line	-	-2.24	9.68	0.09	9.82
QP	2.71M	25.52	56.00	-30.48	19.62	Line	-	5.90	9.68	0.10	9.84
AV	2.71M	13.96	46.00	-32.04	19.62	Line	-	-5.66	9.68	0.10	9.84
QP	18.417M	21.74	60.00	-38.26	19.86	Line	-	1.88	9.68	0.28	9.90
AV	18.417M	14.16	50.00	-35.84	19.86	Line	-	-5.70	9.68	0.28	9.90

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	154.868k	33.09	65.73	-32.64	19.60	Neutral	-	13.49	9.69	0.01	9.90
AV	154.868k	17.22	55.73	-38.51	19.60	Neutral	-	-2.38	9.69	0.01	9.90
QP	205.615k	28.96	63.38	-34.42	19.59	Neutral	-	9.37	9.68	0.01	9.90
AV	205.615k	17.68	53.38	-35.70	19.59	Neutral	-	-1.91	9.68	0.01	9.90
QP	426.898k	25.98	57.32	-31.34	19.58	Neutral	-	6.40	9.67	0.02	9.89
AV	426.898k	13.06	47.32	-34.26	19.58	Neutral	-	-6.52	9.67	0.02	9.89
QP	2.211M	25.09	56.00	-30.91	19.58	Neutral	-	5.51	9.68	0.09	9.81
AV	2.211M	16.87	46.00	-29.13	19.58	Neutral	"Worst"	-2.71	9.68	0.09	9.81
QP	2.584M	24.21	56.00	-31.79	19.61	Neutral	-	4.60	9.68	0.09	9.84
AV	2.584M	13.54	46.00	-32.46	19.61	Neutral	-	-6.07	9.68	0.09	9.84
QP	21.094M	18.97	60.00	-41.03	19.94	Neutral	-	-0.97	9.74	0.30	9.90
AV	21.094M	14.71	50.00	-35.29	19.94	Neutral	-	-5.23	9.74	0.30	9.90



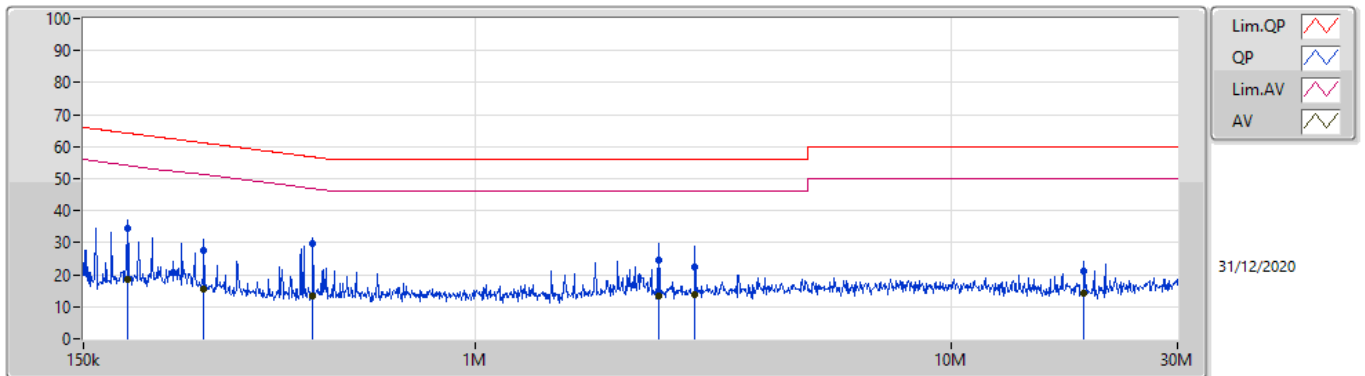
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	455.055k	29.83	56.78	-26.95	Line

Mode Configure

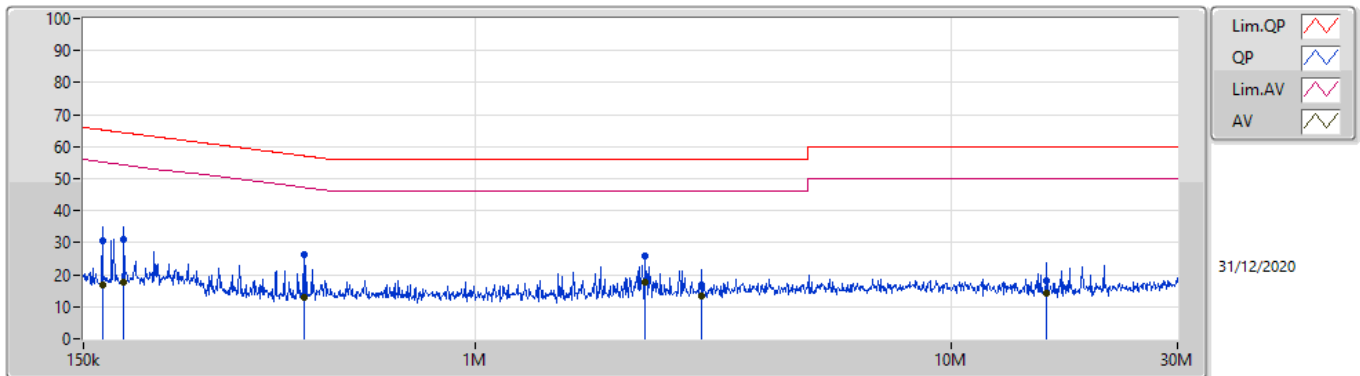
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	185.344k	34.54	64.24	-29.70	Line	-
Mode 1	Pass	AV	185.344k	18.50	54.24	-35.74	Line	-
Mode 1	Pass	QP	268.666k	27.64	61.16	-33.52	Line	-
Mode 1	Pass	AV	268.666k	15.67	51.16	-35.49	Line	-
Mode 1	Pass	QP	455.055k	29.83	56.78	-26.95	Line	"Worst"
Mode 1	Pass	AV	455.055k	13.49	46.78	-33.29	Line	-
Mode 1	Pass	QP	2.433M	24.77	56.00	-31.23	Line	-
Mode 1	Pass	AV	2.433M	13.37	46.00	-32.63	Line	-
Mode 1	Pass	QP	2.901M	22.28	56.00	-33.72	Line	-
Mode 1	Pass	AV	2.901M	13.76	46.00	-32.24	Line	-
Mode 1	Pass	QP	19.091M	21.23	60.00	-38.77	Line	-
Mode 1	Pass	AV	19.091M	14.10	50.00	-35.90	Line	-
Mode 1	Pass	QP	164.425k	30.80	65.24	-34.44	Neutral	-
Mode 1	Pass	AV	164.425k	16.80	55.24	-38.44	Neutral	-
Mode 1	Pass	QP	182.408k	31.25	64.37	-33.12	Neutral	-
Mode 1	Pass	AV	182.408k	17.78	54.37	-36.59	Neutral	-
Mode 1	Pass	QP	435.504k	26.50	57.15	-30.65	Neutral	-
Mode 1	Pass	AV	435.504k	13.04	47.15	-34.11	Neutral	-
Mode 1	Pass	QP	2.274M	26.06	56.00	-29.94	Neutral	-
Mode 1	Pass	AV	2.274M	17.62	46.00	-28.38	Neutral	"Worst"
Mode 1	Pass	QP	2.995M	16.90	56.00	-39.10	Neutral	-
Mode 1	Pass	AV	2.995M	13.43	46.00	-32.57	Neutral	-
Mode 1	Pass	QP	15.952M	18.02	60.00	-41.98	Neutral	-
Mode 1	Pass	AV	15.952M	14.11	50.00	-35.89	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	185.344k	34.54	64.24	-29.70	19.59	Line	-	14.95	9.68	0.01	9.90
AV	185.344k	18.50	54.24	-35.74	19.59	Line	-	-1.09	9.68	0.01	9.90
QP	268.666k	27.64	61.16	-33.52	19.59	Line	-	8.05	9.68	0.01	9.90
AV	268.666k	15.67	51.16	-35.49	19.59	Line	-	-3.92	9.68	0.01	9.90
QP	455.055k	29.83	56.78	-26.95	19.58	Line	"Worst"	10.25	9.67	0.02	9.89
AV	455.055k	13.49	46.78	-33.29	19.58	Line	-	-6.09	9.67	0.02	9.89
QP	2.433M	24.77	56.00	-31.23	19.60	Line	-	5.17	9.68	0.09	9.83
AV	2.433M	13.37	46.00	-32.63	19.60	Line	-	-6.23	9.68	0.09	9.83
QP	2.901M	22.28	56.00	-33.72	19.64	Line	-	2.64	9.69	0.10	9.85
AV	2.901M	13.76	46.00	-32.24	19.64	Line	-	-5.88	9.69	0.10	9.85
QP	19.091M	21.23	60.00	-38.77	19.85	Line	-	1.38	9.67	0.28	9.90
AV	19.091M	14.10	50.00	-35.90	19.85	Line	-	-5.75	9.67	0.28	9.90

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	164.425k	30.80	65.24	-34.44	19.60	Neutral	-	11.20	9.69	0.01	9.90
AV	164.425k	16.80	55.24	-38.44	19.60	Neutral	-	-2.80	9.69	0.01	9.90
QP	182.408k	31.25	64.37	-33.12	19.59	Neutral	-	11.66	9.68	0.01	9.90
AV	182.408k	17.78	54.37	-36.59	19.59	Neutral	-	-1.81	9.68	0.01	9.90
QP	435.504k	26.50	57.15	-30.65	19.58	Neutral	-	6.92	9.67	0.02	9.89
AV	435.504k	13.04	47.15	-34.11	19.58	Neutral	-	-6.54	9.67	0.02	9.89
QP	2.274M	26.06	56.00	-29.94	19.59	Neutral	-	6.47	9.68	0.09	9.82
AV	2.274M	17.62	46.00	-28.38	19.59	Neutral	"Worst"	-1.97	9.68	0.09	9.82
QP	2.995M	16.90	56.00	-39.10	19.65	Neutral	-	-2.75	9.69	0.10	9.86
AV	2.995M	13.43	46.00	-32.57	19.65	Neutral	-	-6.22	9.69	0.10	9.86
QP	15.952M	18.02	60.00	-41.98	19.90	Neutral	-	-1.88	9.74	0.26	9.90
AV	15.952M	14.11	50.00	-35.89	19.90	Neutral	-	-5.79	9.74	0.26	9.90



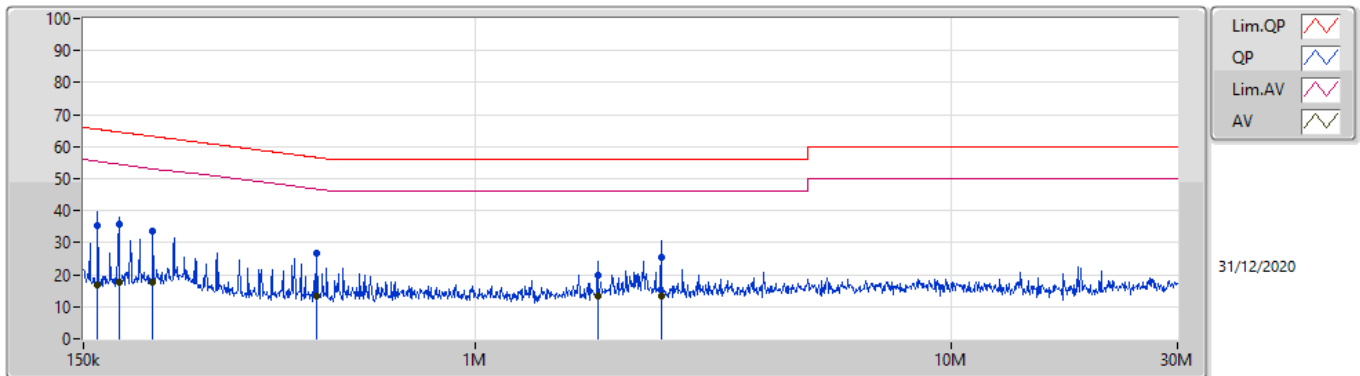
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	178.091k	35.68	64.57	-28.89	Line

Mode Configure

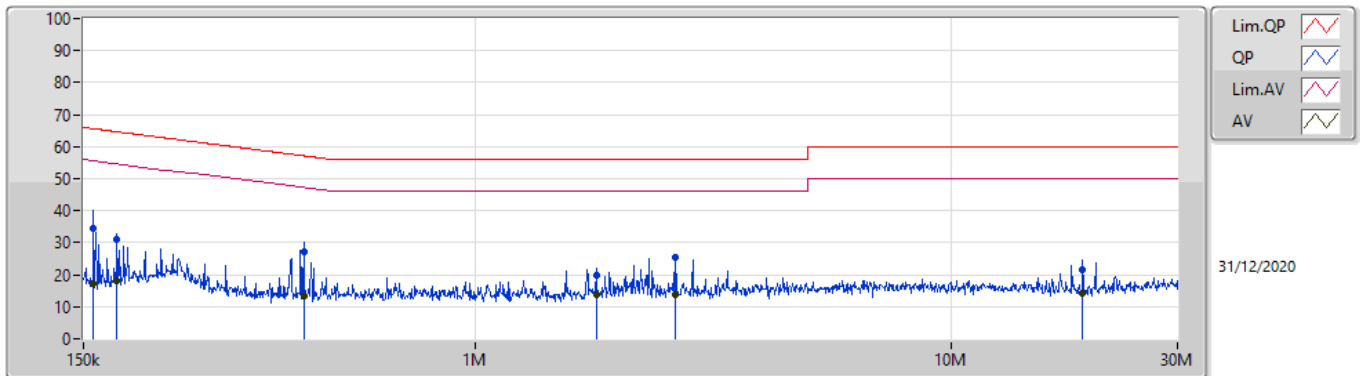
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	160.533k	35.27	65.43	-30.16	Line	-
Mode 1	Pass	AV	160.533k	16.88	55.43	-38.55	Line	-
Mode 1	Pass	QP	178.091k	35.68	64.57	-28.89	Line	"Worst"
Mode 1	Pass	AV	178.091k	17.58	54.57	-36.99	Line	-
Mode 1	Pass	QP	209.76k	33.49	63.21	-29.72	Line	-
Mode 1	Pass	AV	209.76k	17.60	53.21	-35.61	Line	-
Mode 1	Pass	QP	464.229k	26.56	56.61	-30.05	Line	-
Mode 1	Pass	AV	464.229k	13.20	46.61	-33.41	Line	-
Mode 1	Pass	QP	1.811M	19.94	56.00	-36.06	Line	-
Mode 1	Pass	AV	1.811M	13.40	46.00	-32.60	Line	-
Mode 1	Pass	QP	2.463M	25.30	56.00	-30.70	Line	-
Mode 1	Pass	AV	2.463M	13.37	46.00	-32.63	Line	-
Mode 1	Pass	QP	157.361k	34.29	65.60	-31.31	Neutral	-
Mode 1	Pass	AV	157.361k	17.18	55.60	-38.42	Neutral	-
Mode 1	Pass	QP	176.674k	30.88	64.64	-33.76	Neutral	-
Mode 1	Pass	AV	176.674k	18.16	54.64	-36.48	Neutral	-
Mode 1	Pass	QP	435.504k	27.30	57.15	-29.85	Neutral	"Worst"
Mode 1	Pass	AV	435.504k	13.21	47.15	-33.94	Neutral	-
Mode 1	Pass	QP	1.797M	19.92	56.00	-36.08	Neutral	-
Mode 1	Pass	AV	1.797M	13.90	46.00	-32.10	Neutral	-
Mode 1	Pass	QP	2.636M	25.22	56.00	-30.78	Neutral	-
Mode 1	Pass	AV	2.636M	13.61	46.00	-32.39	Neutral	-
Mode 1	Pass	QP	18.939M	21.46	60.00	-38.54	Neutral	-
Mode 1	Pass	AV	18.939M	14.15	50.00	-35.85	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	160.533k	35.27	65.43	-30.16	19.60	Line	-	15.67	9.69	0.01	9.90
AV	160.533k	16.88	55.43	-38.55	19.60	Line	-	-2.72	9.69	0.01	9.90
QP	178.091k	35.68	64.57	-28.89	19.59	Line	"Worst"	16.09	9.68	0.01	9.90
AV	178.091k	17.58	54.57	-36.99	19.59	Line	-	-2.01	9.68	0.01	9.90
QP	209.76k	33.49	63.21	-29.72	19.59	Line	-	13.90	9.68	0.01	9.90
AV	209.76k	17.60	53.21	-35.61	19.59	Line	-	-1.99	9.68	0.01	9.90
QP	464.229k	26.56	56.61	-30.05	19.57	Line	-	6.99	9.67	0.02	9.88
AV	464.229k	13.20	46.61	-33.41	19.57	Line	-	-6.37	9.67	0.02	9.88
QP	1.811M	19.94	56.00	-36.06	19.56	Line	-	0.38	9.68	0.08	9.80
AV	1.811M	13.40	46.00	-32.60	19.56	Line	-	-6.16	9.68	0.08	9.80
QP	2.463M	25.30	56.00	-30.70	19.60	Line	-	5.70	9.68	0.09	9.83
AV	2.463M	13.37	46.00	-32.63	19.60	Line	-	-6.23	9.68	0.09	9.83

Conducted Emissions at Powerline_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	157.361k	34.29	65.60	-31.31	19.60	Neutral	-	14.69	9.69	0.01	9.90			
AV	157.361k	17.18	55.60	-38.42	19.60	Neutral	-	-2.42	9.69	0.01	9.90			
QP	176.674k	30.88	64.64	-33.76	19.59	Neutral	-	11.29	9.68	0.01	9.90			
AV	176.674k	18.16	54.64	-36.48	19.59	Neutral	-	-1.43	9.68	0.01	9.90			
QP	435.504k	27.30	57.15	-29.85	19.58	Neutral	"Worst"	7.72	9.67	0.02	9.89			
AV	435.504k	13.21	47.15	-33.94	19.58	Neutral	-	-6.37	9.67	0.02	9.89			
QP	1.797M	19.92	56.00	-36.08	19.56	Neutral	-	0.36	9.68	0.08	9.80			
AV	1.797M	13.90	46.00	-32.10	19.56	Neutral	-	-5.66	9.68	0.08	9.80			
QP	2.636M	25.22	56.00	-30.78	19.62	Neutral	-	5.60	9.68	0.10	9.84			
AV	2.636M	13.61	46.00	-32.39	19.62	Neutral	-	-6.01	9.68	0.10	9.84			
QP	18.939M	21.46	60.00	-38.54	19.93	Neutral	-	1.53	9.75	0.28	9.90			
AV	18.939M	14.15	50.00	-35.85	19.93	Neutral	-	-5.78	9.75	0.28	9.90			



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)_4TX	7.075M	11.744M	11M7G1D	6.55M	10.395M
802.11g_Nss1,(6Mbps)_4TX	16.35M	17.491M	17M5D1D	16.325M	16.617M
802.11n HT20_Nss1,(MCS0)_4TX	17.6M	18.316M	18M3D1D	17.325M	17.816M
802.11n HT40_Nss1,(MCS0)_4TX	36.35M	36.632M	36M6D1D	35.25M	36.282M
VHT20_Nss1,(MCS0)_4TX	17.6M	18.216M	18M2D1D	17.525M	17.841M
VHT40_Nss1,(MCS0)_4TX	36.35M	36.682M	36M7D1D	35.45M	36.282M
802.11ax HEW20_Nss1,(MCS0)_4TX	18.975M	19.19M	19M2D1D	18.625M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.6M	37.881M	37M9D1D	36M	37.581M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7M	10.395M	6.575M	10.52M	7.025M	10.395M	7M	10.395M
2437MHz	Pass	500k	7.025M	11.719M	6.575M	11.744M	6.55M	11.469M	7.05M	11.169M
2462MHz	Pass	500k	7.05M	11.419M	7.025M	11.069M	7.075M	10.57M	7.025M	10.52M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.692M	16.325M	16.742M	16.325M	16.767M	16.35M	16.742M
2437MHz	Pass	500k	16.35M	17.491M	16.325M	16.992M	16.325M	17.016M	16.325M	16.917M
2462MHz	Pass	500k	16.325M	16.692M	16.35M	16.617M	16.35M	16.692M	16.35M	16.617M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.841M	17.6M	17.866M	17.55M	17.841M	17.575M	17.866M
2437MHz	Pass	500k	17.575M	18.316M	17.575M	18.066M	17.575M	18.091M	17.575M	18.016M
2462MHz	Pass	500k	17.325M	17.816M	17.575M	17.816M	17.6M	17.841M	17.6M	17.816M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.45M	36.382M	36.1M	36.382M	36.1M	36.332M	35.75M	36.282M
2437MHz	Pass	500k	36.3M	36.632M	36.3M	36.432M	36.3M	36.482M	36.35M	36.382M
2452MHz	Pass	500k	35.25M	36.382M	36.35M	36.382M	36.35M	36.432M	36.35M	36.482M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.841M	17.6M	17.941M	17.575M	17.891M	17.55M	17.916M
2437MHz	Pass	500k	17.55M	18.216M	17.575M	18.116M	17.55M	18.066M	17.575M	17.941M
2462MHz	Pass	500k	17.55M	17.841M	17.6M	17.891M	17.575M	17.866M	17.55M	17.866M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.45M	36.332M	35.8M	36.282M	36.35M	36.332M	36.3M	36.382M
2437MHz	Pass	500k	36.35M	36.682M	36.35M	36.532M	36.3M	36.432M	36.3M	36.482M
2452MHz	Pass	500k	35.8M	36.332M	36.35M	36.432M	36.35M	36.632M	36.35M	36.532M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.625M	18.991M	18.825M	19.04M	18.725M	18.991M	18.825M	19.015M
2437MHz	Pass	500k	18.975M	19.19M	18.95M	19.14M	18.925M	19.065M	18.875M	19.065M
2462MHz	Pass	500k	18.925M	18.966M	18.925M	18.991M	18.925M	19.015M	18.75M	19.015M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.3M	37.631M	36M	37.681M	37.6M	37.581M	36.15M	37.581M
2437MHz	Pass	500k	37.6M	37.881M	37.45M	37.781M	37.6M	37.781M	36.85M	37.681M
2452MHz	Pass	500k	37.2M	37.631M	37.05M	37.631M	37.6M	37.781M	37.5M	37.731M

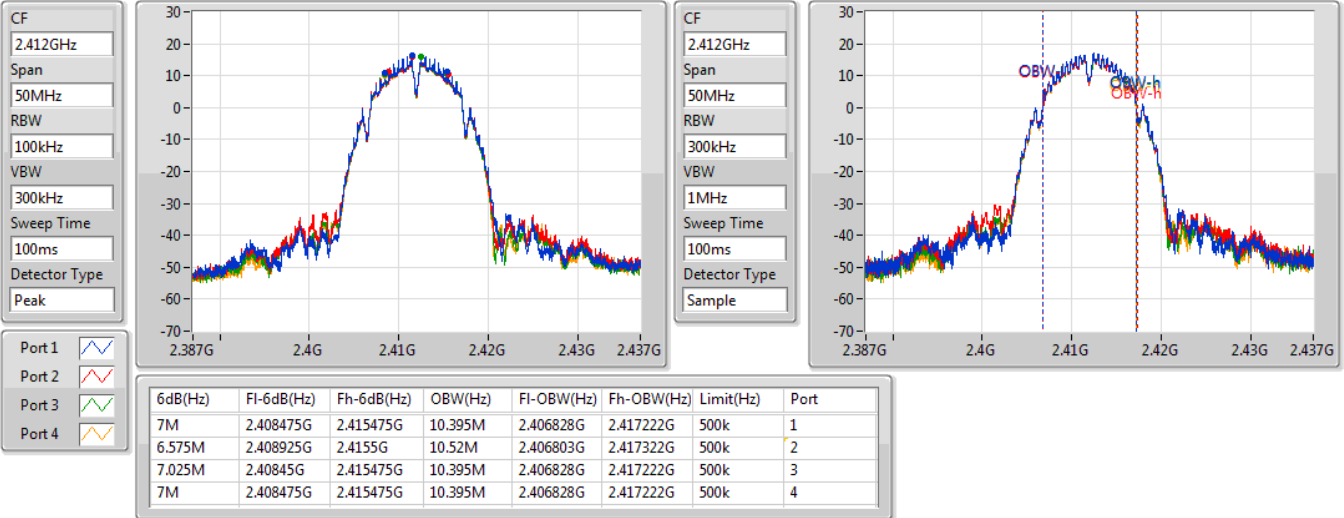
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

802.11b_Nss1,(1Mbps)_4TX

EBW

2412MHz

29/12/2020

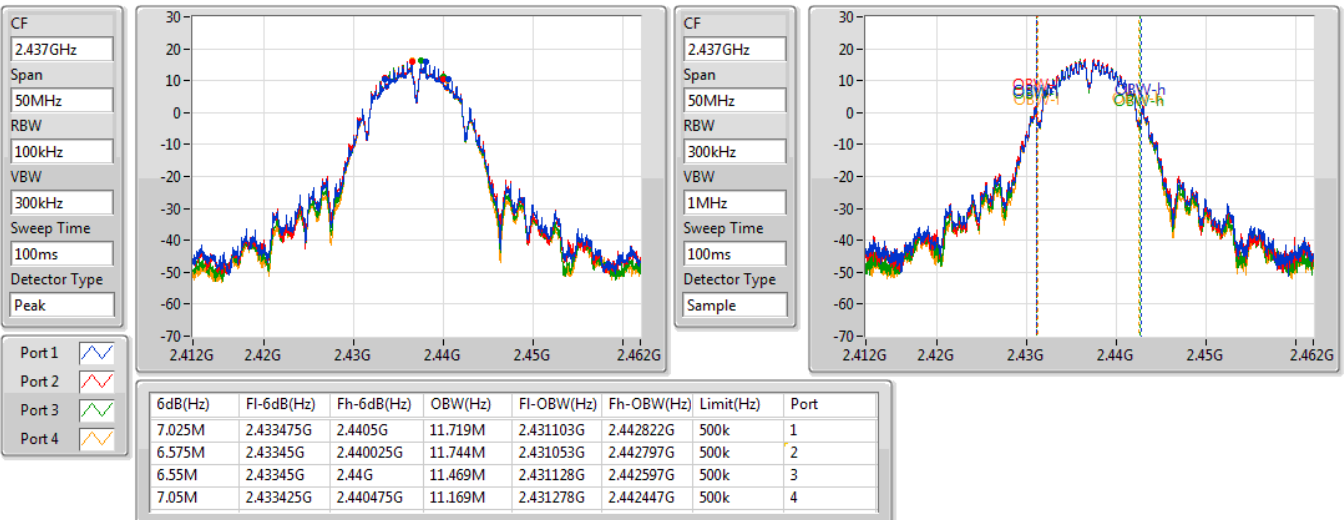


802.11b_Nss1,(1Mbps)_4TX

EBW

2437MHz

29/12/2020



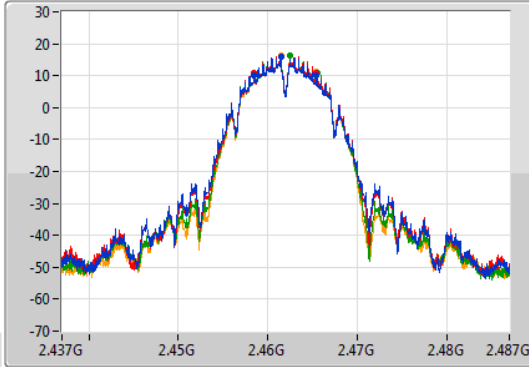
802.11b_Nss1,(1Mbps)_4TX

EBW

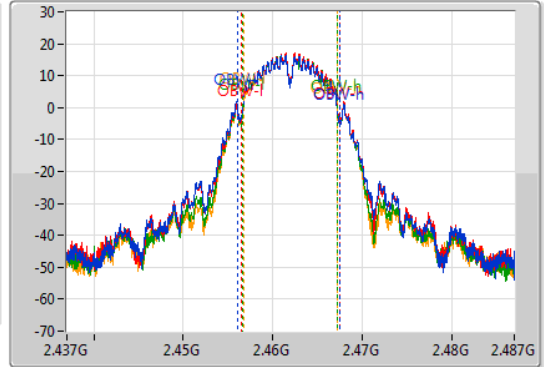
2462MHz

29/12/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458425G	2.465475G	11.419M	2.456053G	2.467472G	500k	1
7.025M	2.45845G	2.465475G	11.069M	2.456478G	2.467547G	500k	2
7.075M	2.458425G	2.4655G	10.57M	2.456678G	2.467247G	500k	3
7.025M	2.45845G	2.465475G	10.52M	2.456753G	2.467272G	500k	4

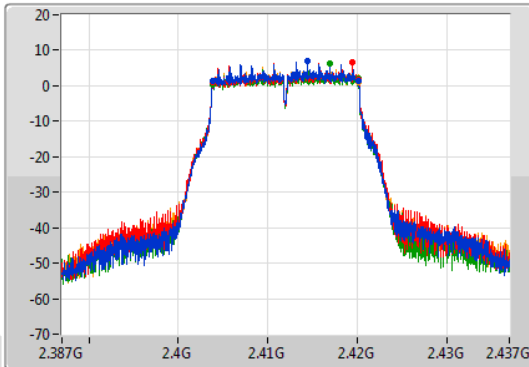
802.11g_Nss1,(6Mbps)_4TX

EBW

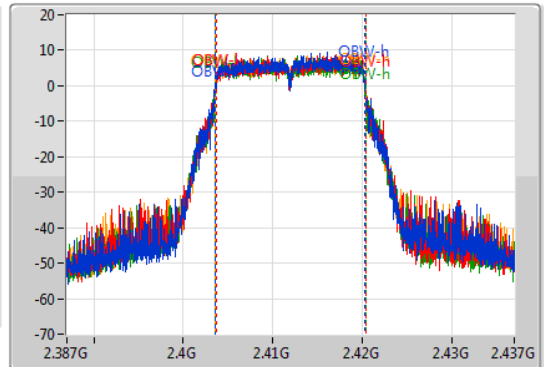
2412MHz

29/12/2020

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



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	16.692M	2.403629G	2.420321G	500k	1
16.325M	2.403825G	2.42015G	16.742M	2.403654G	2.420396G	500k	2
16.325M	2.4038G	2.420125G	16.767M	2.403629G	2.420396G	500k	3
16.35M	2.4038G	2.42015G	16.742M	2.403629G	2.420371G	500k	4

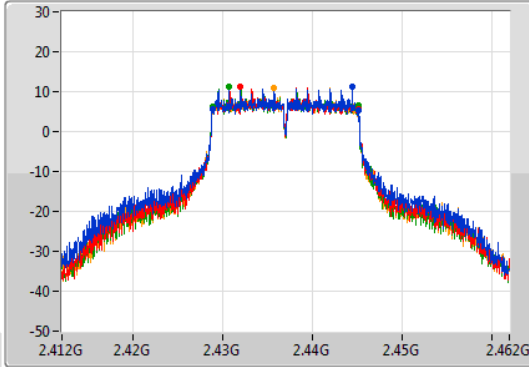
802.11g_Nss1,(6Mbps)_4TX

EBW

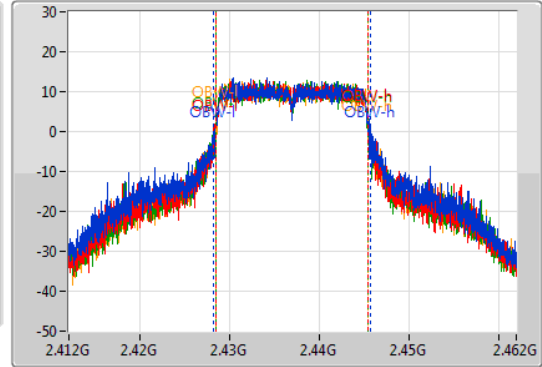
2437MHz

29/12/2020

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

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	17.491M	2.428204G	2.445696G	500k	1
16.325M	2.4288G	2.445125G	16.992M	2.428454G	2.445446G	500k	2
16.325M	2.4288G	2.445125G	17.016M	2.428404G	2.445421G	500k	3
16.325M	2.4288G	2.445125G	16.917M	2.428454G	2.445371G	500k	4

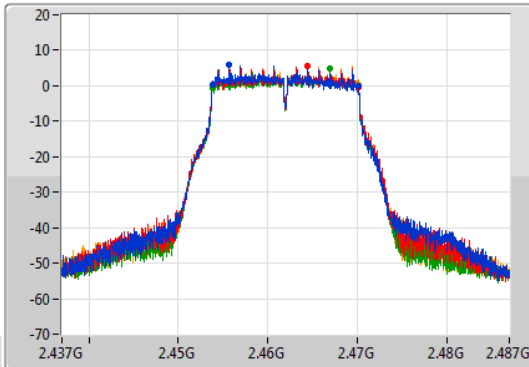
802.11g_Nss1,(6Mbps)_4TX

EBW

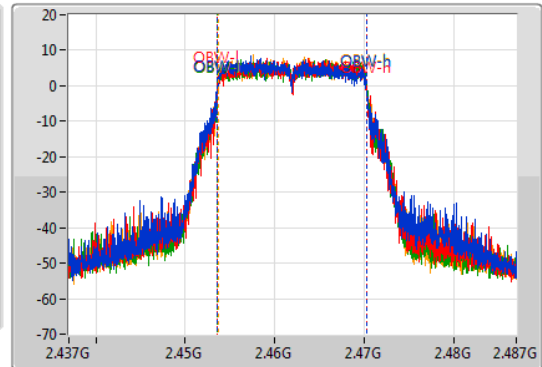
2462MHz

29/12/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.4538G	2.470125G	16.692M	2.453554G	2.470246G	500k	1
16.35M	2.4538G	2.47015G	16.617M	2.453629G	2.470246G	500k	2
16.35M	2.4538G	2.47015G	16.692M	2.453629G	2.470321G	500k	3
16.35M	2.4538G	2.47015G	16.617M	2.453654G	2.470271G	500k	4

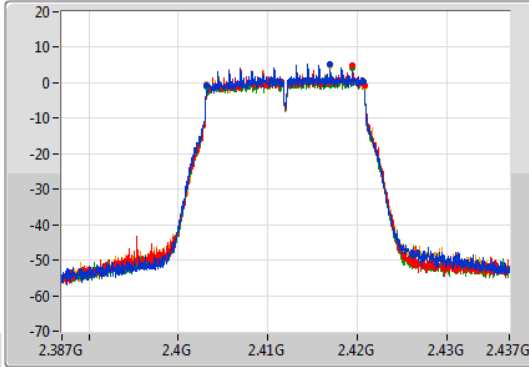
802.11n HT20_Nss1,(MCS0)_4TX

EBW

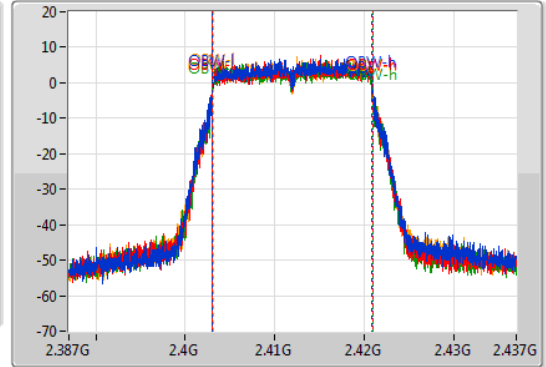
2412MHz

29/12/2020

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4032G	2.42075G	17.841M	2.403054G	2.420896G	500k	1
17.6M	2.403175G	2.420775G	17.866M	2.403054G	2.420921G	500k	2
17.55M	2.4032G	2.42075G	17.841M	2.403079G	2.420921G	500k	3
17.575M	2.4032G	2.420775G	17.866M	2.403104G	2.420971G	500k	4

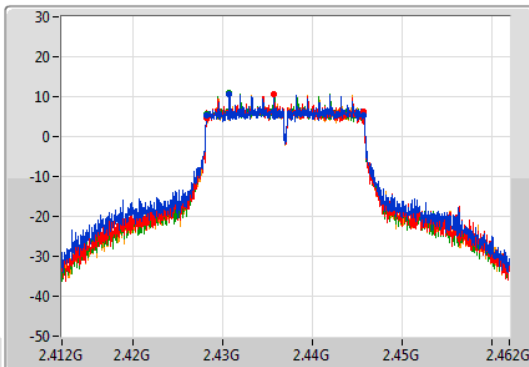
802.11n HT20_Nss1,(MCS0)_4TX

EBW

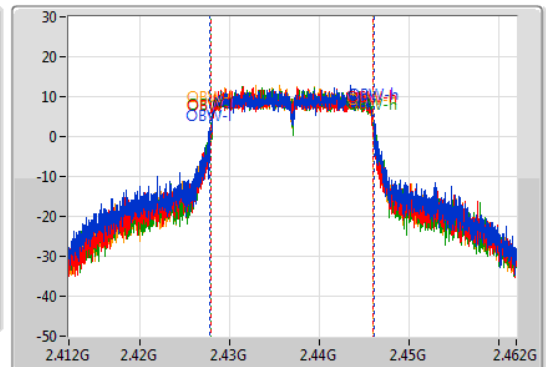
2437MHz

29/12/2020

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.428175G	2.44575G	18.316M	2.427805G	2.44612G	500k	1
17.575M	2.428175G	2.44575G	18.066M	2.427905G	2.445971G	500k	2
17.575M	2.428175G	2.44575G	18.091M	2.42788G	2.445971G	500k	3
17.575M	2.428175G	2.44575G	18.016M	2.42793G	2.445946G	500k	4

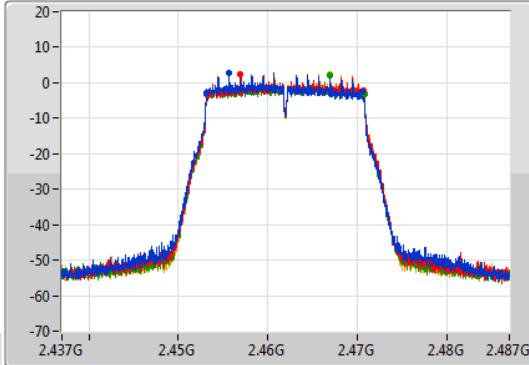
802.11n HT20_Nss1,(MCS0)_4TX

EBW

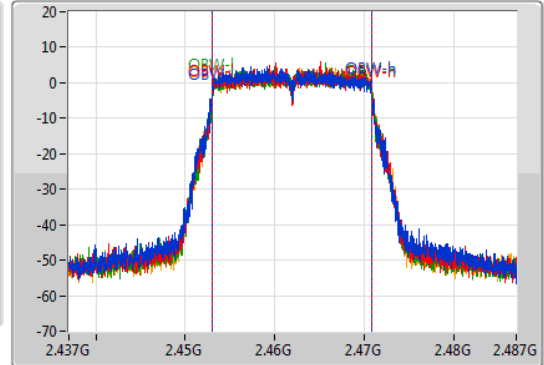
2462MHz

29/12/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.325M	2.453175G	2.4705G	17.816M	2.453004G	2.470821G	500k	1
17.575M	2.453175G	2.47075G	17.816M	2.453054G	2.470871G	500k	2
17.6M	2.453175G	2.470775G	17.841M	2.453054G	2.470896G	500k	3
17.6M	2.453175G	2.470775G	17.816M	2.453054G	2.470871G	500k	4

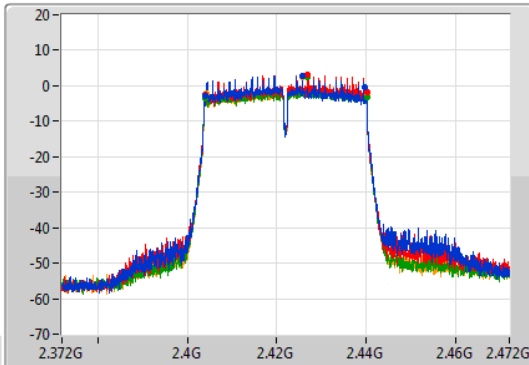
802.11n HT40_Nss1,(MCS0)_4TX

EBW

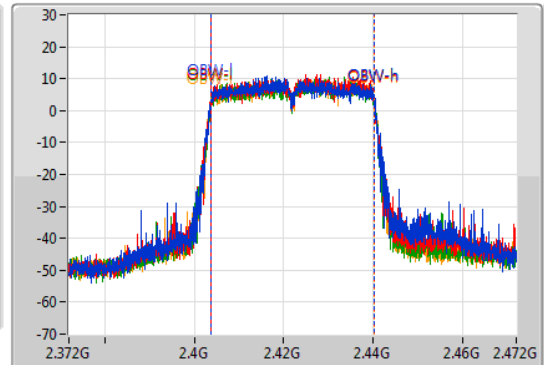
2422MHz

29/12/2020

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	2.4041G	2.43955G	36.382M	2.403809G	2.440191G	500k	1
36.1M	2.40405G	2.44015G	36.382M	2.403809G	2.440191G	500k	2
36.1M	2.40405G	2.44015G	36.332M	2.403859G	2.440191G	500k	3
35.75M	2.4044G	2.44015G	36.282M	2.403859G	2.440141G	500k	4

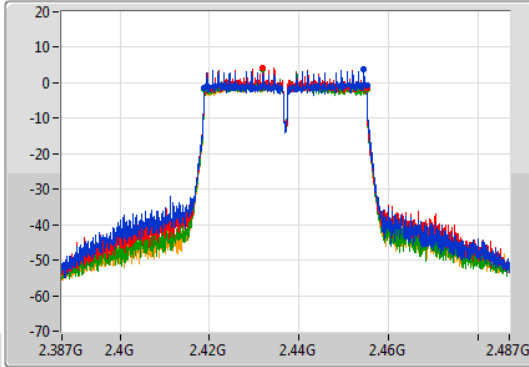
802.11n HT40_Nss1,(MCS0)_4TX

EBW

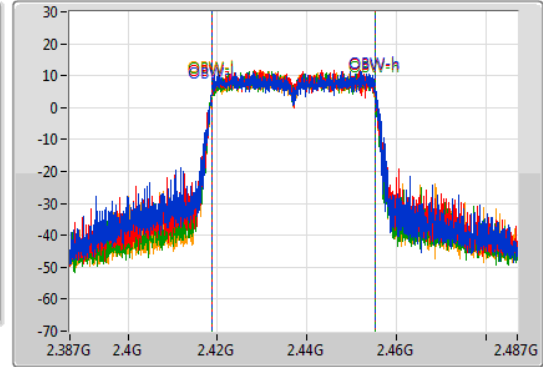
2437MHz

29/12/2020

CF
2.437GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.41885G	2.45515G	36.632M	2.418709G	2.455341G	500k	1
36.3M	2.41885G	2.45515G	36.432M	2.418709G	2.455141G	500k	2
36.3M	2.41885G	2.45515G	36.482M	2.418709G	2.455191G	500k	3
36.35M	2.4188G	2.45515G	36.382M	2.418759G	2.455141G	500k	4

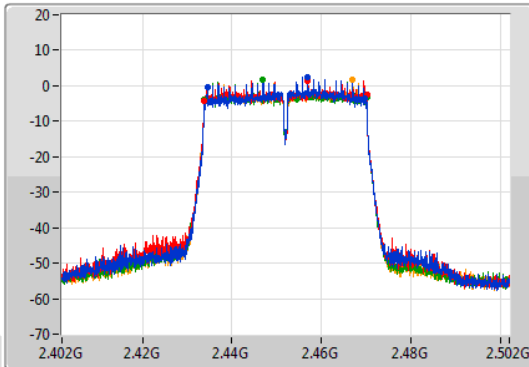
802.11n HT40_Nss1,(MCS0)_4TX

EBW

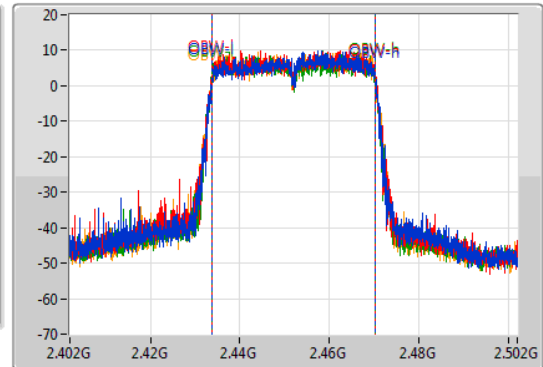
2452MHz

29/12/2020

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	2.4345G	2.46975G	36.382M	2.433809G	2.470191G	500k	1
36.35M	2.4338G	2.47015G	36.382M	2.433759G	2.470141G	500k	2
36.35M	2.4338G	2.47015G	36.432M	2.433759G	2.470191G	500k	3
36.35M	2.4338G	2.47015G	36.482M	2.433759G	2.470241G	500k	4

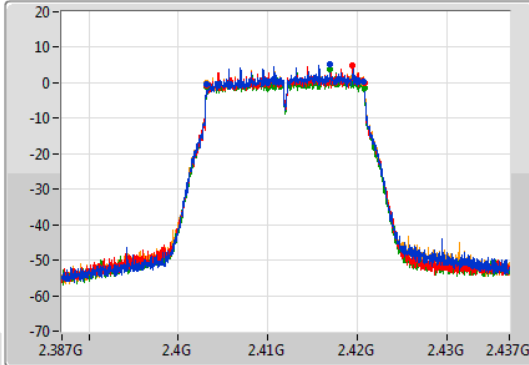
VHT20_Nss1,(MCS0)_4TX

EBW

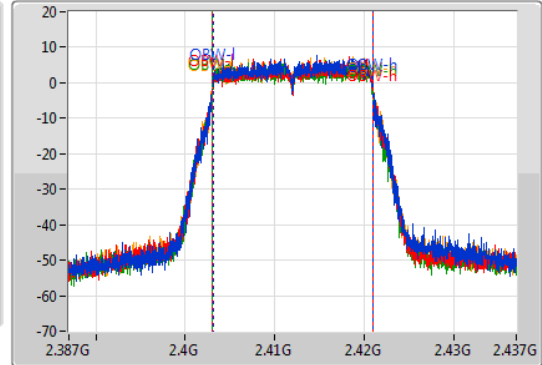
2412MHz

29/12/2020

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.403225G	2.42075G	17.841M	2.403104G	2.420946G	500k	1
17.6M	2.403175G	2.420775G	17.941M	2.403054G	2.420996G	500k	2
17.575M	2.4032G	2.420775G	17.891M	2.403054G	2.420946G	500k	3
17.55M	2.4032G	2.42075G	17.916M	2.403054G	2.420971G	500k	4

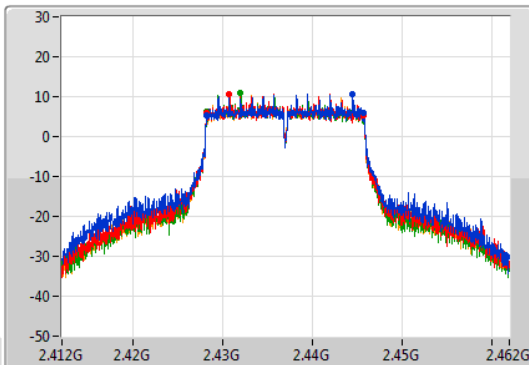
VHT20_Nss1,(MCS0)_4TX

EBW

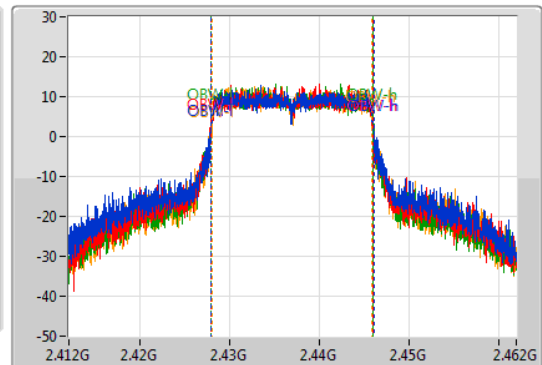
2437MHz

29/12/2020

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4282G	2.44575G	18.216M	2.42788G	2.446095G	500k	1
17.575M	2.428175G	2.44575G	18.116M	2.42788G	2.445996G	500k	2
17.55M	2.4282G	2.44575G	18.066M	2.42793G	2.445996G	500k	3
17.575M	2.428175G	2.44575G	17.941M	2.427955G	2.445896G	500k	4

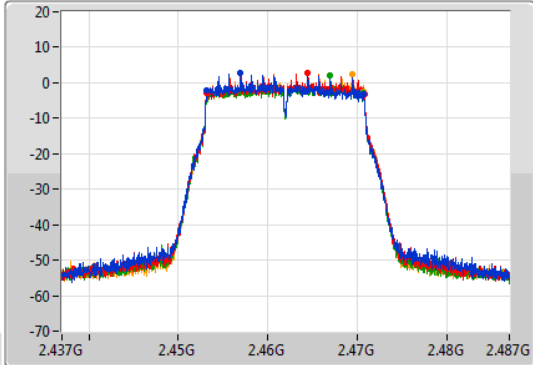
VHT20_Nss1,(MCS0)_4TX

EBW

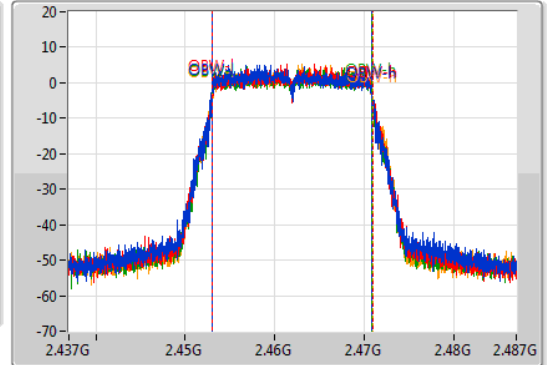
2462MHz

29/12/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.453175G	2.470725G	17.841M	2.453029G	2.470871G	500k	1
17.6M	2.453175G	2.470775G	17.891M	2.453029G	2.470921G	500k	2
17.575M	2.453175G	2.47075G	17.866M	2.453029G	2.470896G	500k	3
17.55M	2.4532G	2.47075G	17.866M	2.453054G	2.470921G	500k	4

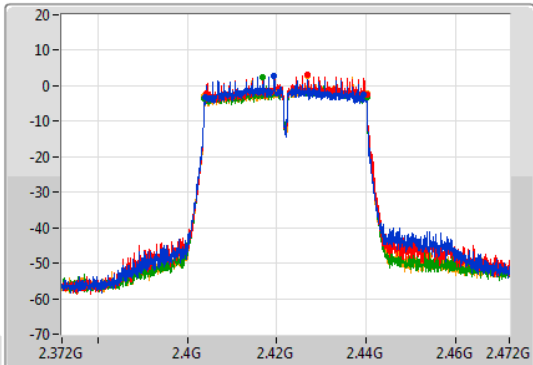
VHT40_Nss1,(MCS0)_4TX

EBW

2422MHz

29/12/2020

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak

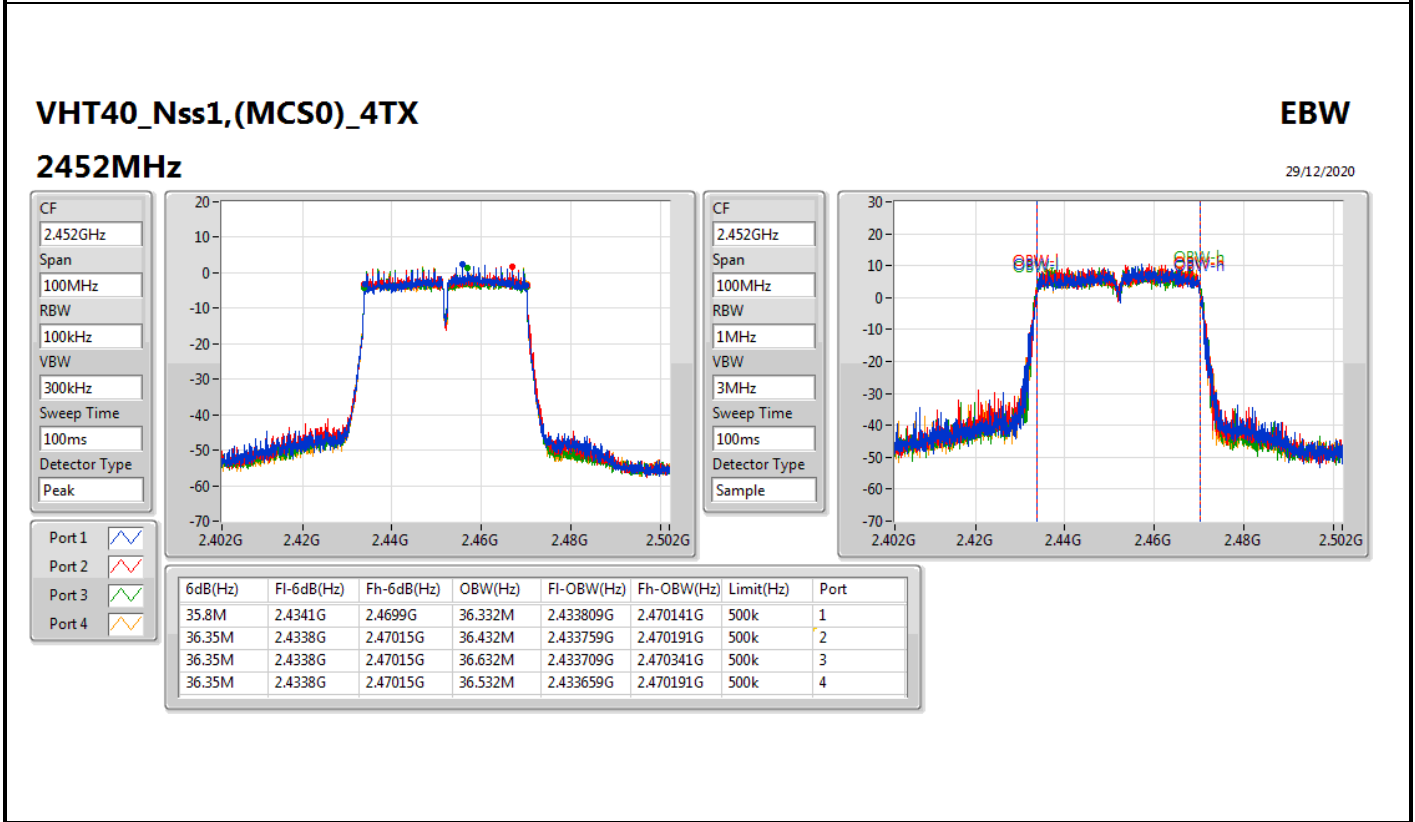
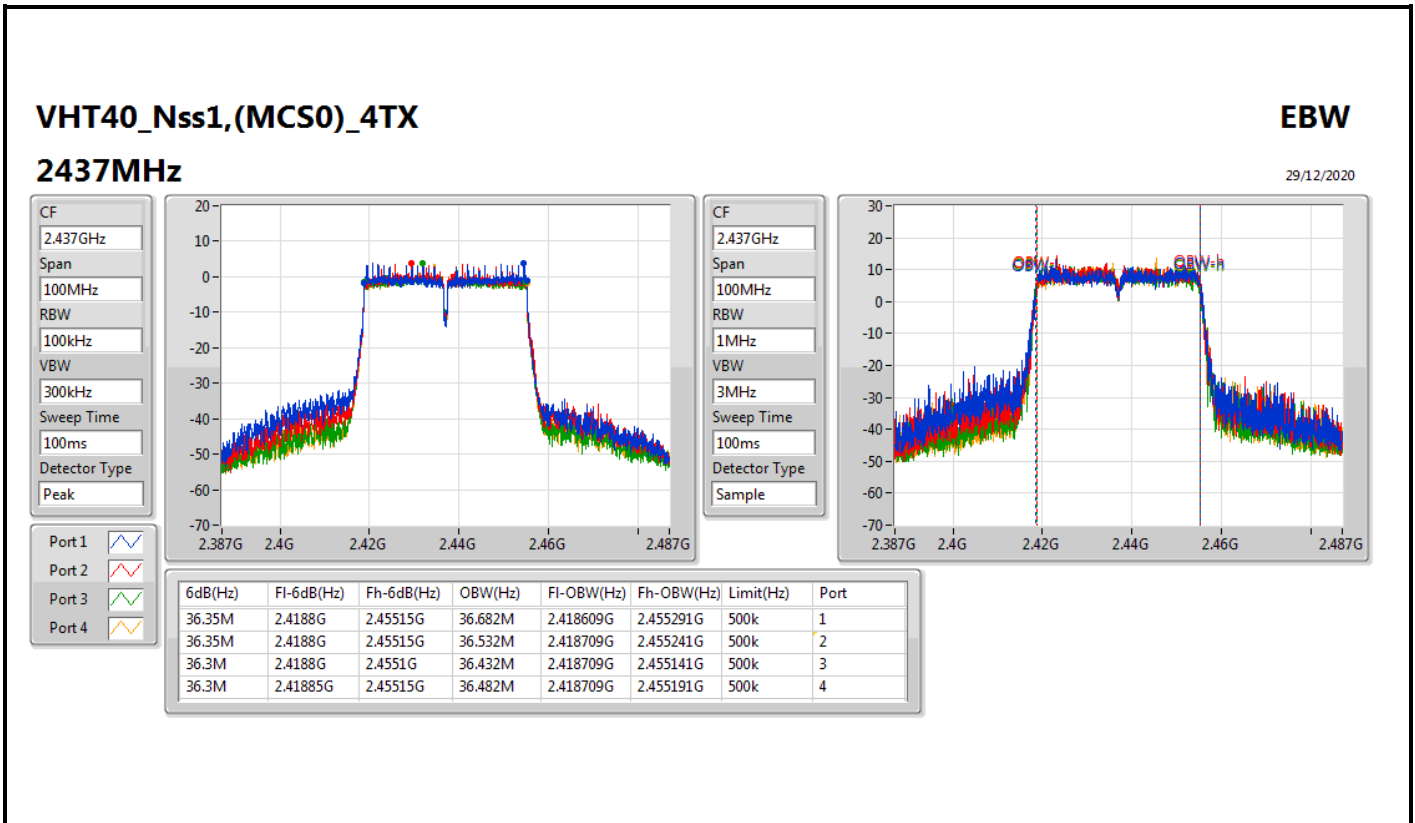


CF
2.422GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.45M	2.40405G	2.4395G	36.332M	2.403809G	2.440141G	500k	1
35.8M	2.40435G	2.44015G	36.282M	2.403909G	2.440191G	500k	2
36.35M	2.4038G	2.44015G	36.332M	2.403809G	2.440141G	500k	3
36.3M	2.40385G	2.44015G	36.382M	2.403859G	2.440241G	500k	4



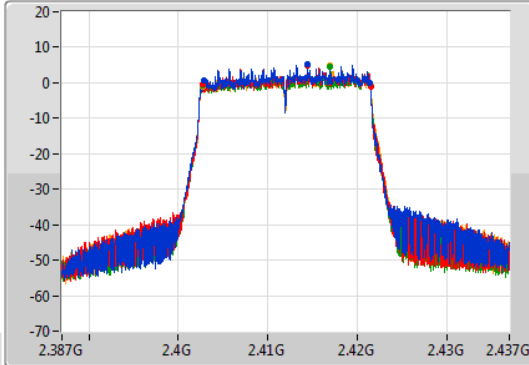
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

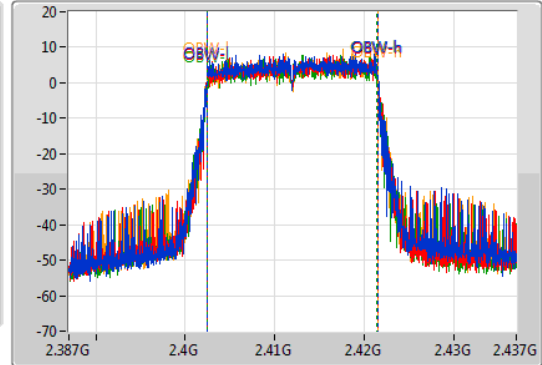
2412MHz

29/12/2020

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.625M	2.402825G	2.42145G	18.991M	2.402505G	2.421495G	500k	1
18.825M	2.402675G	2.4215G	19.04M	2.40248G	2.42152G	500k	2
18.725M	2.402725G	2.42145G	18.991M	2.40248G	2.42147G	500k	3
18.825M	2.4027G	2.421525G	19.015M	2.40248G	2.421495G	500k	4

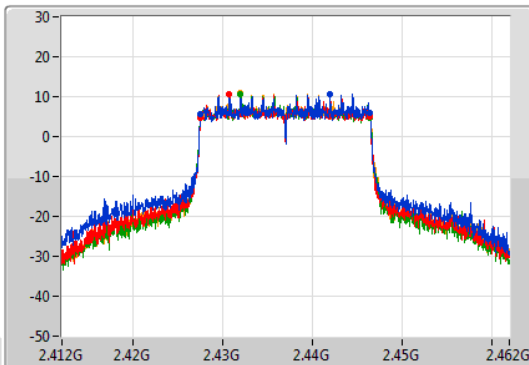
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

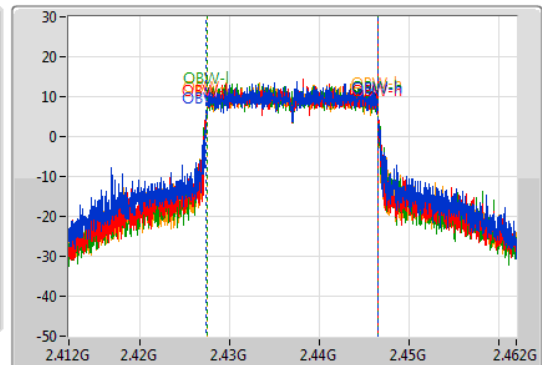
2437MHz

29/12/2020

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

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	2.427355G	2.446545G	500k	1
18.95M	2.4275G	2.44645G	19.14M	2.42738G	2.44652G	500k	2
18.925M	2.427525G	2.44645G	19.065M	2.42743G	2.446495G	500k	3
18.875M	2.427575G	2.44645G	19.065M	2.42743G	2.446495G	500k	4

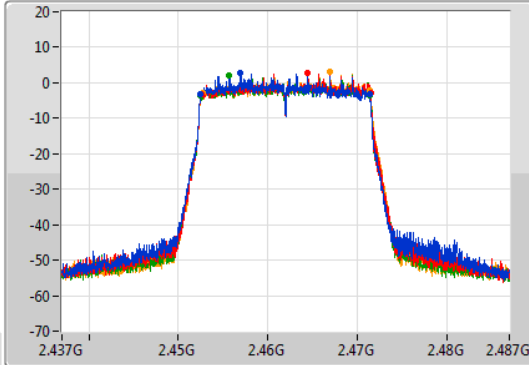
802.11ax HEW20_Nss1,(MCS0)_4TX

EBW

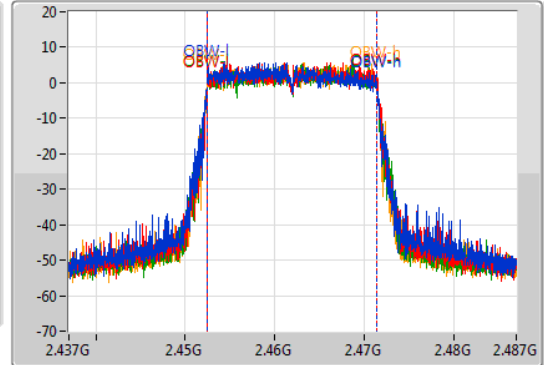
2462MHz

29/12/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.925M	2.452475G	2.4714G	18.966M	2.452455G	2.47142G	500k	1
18.925M	2.45255G	2.471475G	18.991M	2.45248G	2.47147G	500k	2
18.925M	2.452525G	2.47145G	19.015M	2.452455G	2.47147G	500k	3
18.75M	2.4527G	2.47145G	19.015M	2.452455G	2.47147G	500k	4

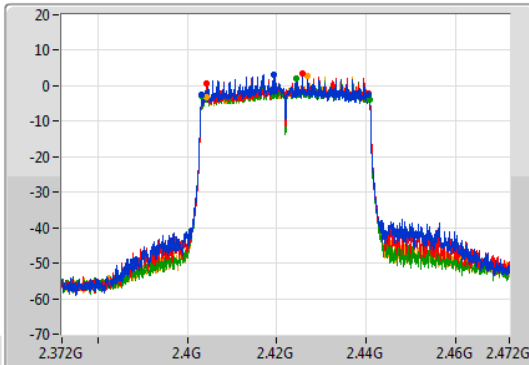
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

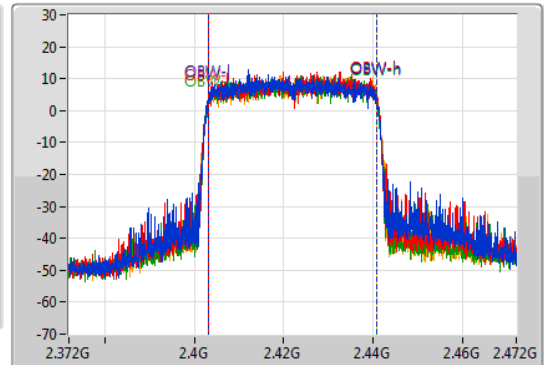
2422MHz

29/12/2020

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.3M	2.40315G	2.44045G	37.631M	2.403159G	2.440791G	500k	1
36M	2.40445G	2.44045G	37.681M	2.403209G	2.440891G	500k	2
37.6M	2.4032G	2.4408G	37.581M	2.403209G	2.440791G	500k	3
36.15M	2.40435G	2.4405G	37.581M	2.403259G	2.440841G	500k	4

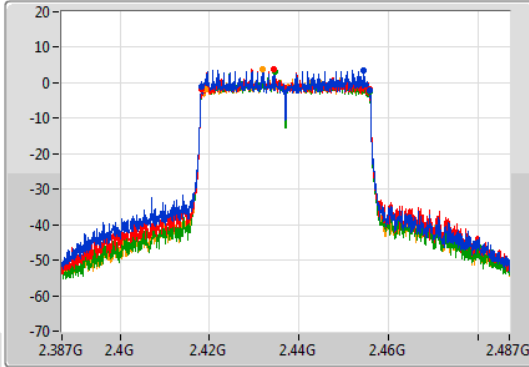
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

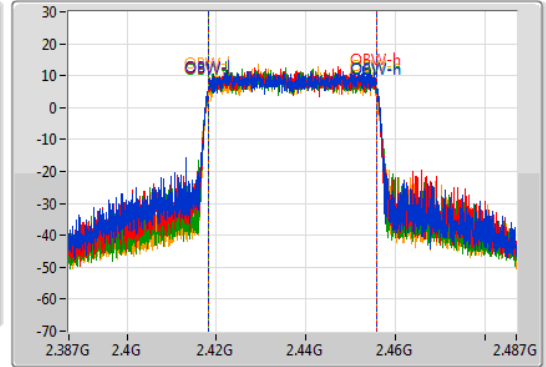
2437MHz

29/12/2020

CF
2.437GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.6M	2.41815G	2.45575G	37.881M	2.418059G	2.455941G	500k	1
37.45M	2.4183G	2.45575G	37.781M	2.418109G	2.455891G	500k	2
37.6M	2.4182G	2.4558G	37.781M	2.418109G	2.455891G	500k	3
36.85M	2.4189G	2.45575G	37.681M	2.418159G	2.455841G	500k	4

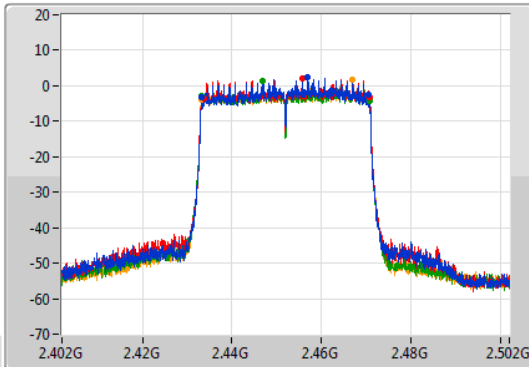
802.11ax HEW40_Nss1,(MCS0)_4TX

EBW

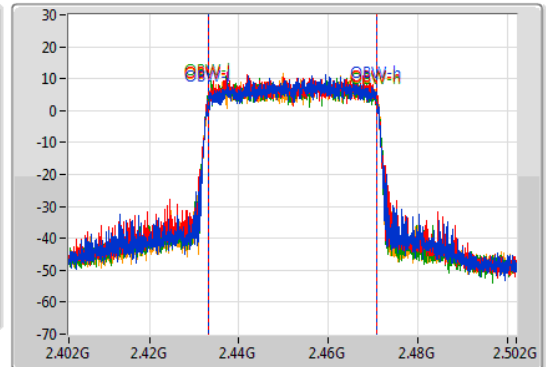
2452MHz

29/12/2020

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

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	37.631M	2.433159G	2.470791G	500k	1
37.05M	2.4337G	2.47075G	37.631M	2.433109G	2.470741G	500k	2
37.6M	2.4332G	2.4708G	37.781M	2.433059G	2.470841G	500k	3
37.5M	2.4332G	2.4707G	37.731M	2.433109G	2.470841G	500k	4



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	7.525M	11.419M	11M4G1D	7M	10.27M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.917M	16M9D1D	16.325M	16.642M
802.11n HT20_Nss1,(MCS0)_2TX	17.6M	18.016M	18M0D1D	17.55M	17.791M
802.11n HT40_Nss1,(MCS0)_2TX	36.35M	36.482M	36M5D1D	35.65M	36.382M
VHT20_Nss1,(MCS0)_2TX	17.6M	17.966M	18M0D1D	17.55M	17.791M
VHT40_Nss1,(MCS0)_2TX	36.3M	36.532M	36M5D1D	35.7M	36.232M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.09M	19M1D1D	18.475M	18.941M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.7M	37.831M	37M8D1D	36.65M	37.581M

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	10.52M	7.025M	10.42M
2437MHz	Pass	500k	7M	11.419M	7.075M	11.044M
2462MHz	Pass	500k	7.525M	10.295M	7M	10.27M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.692M	16.325M	16.767M
2437MHz	Pass	500k	16.35M	16.792M	16.35M	16.917M
2462MHz	Pass	500k	16.35M	16.717M	16.325M	16.642M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.941M	17.575M	17.891M
2437MHz	Pass	500k	17.575M	18.016M	17.6M	17.916M
2462MHz	Pass	500k	17.55M	17.891M	17.575M	17.791M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.7M	36.382M	35.65M	36.382M
2437MHz	Pass	500k	36.3M	36.482M	36.35M	36.482M
2452MHz	Pass	500k	36.05M	36.482M	36.3M	36.432M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.966M	17.575M	17.916M
2437MHz	Pass	500k	17.575M	17.966M	17.6M	17.941M
2462MHz	Pass	500k	17.575M	17.891M	17.55M	17.791M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.7M	36.282M	35.7M	36.232M
2437MHz	Pass	500k	36.05M	36.482M	36.3M	36.532M
2452MHz	Pass	500k	36.05M	36.432M	36.3M	36.382M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.675M	18.991M	18.475M	19.04M
2437MHz	Pass	500k	18.925M	19.09M	18.925M	19.065M
2462MHz	Pass	500k	18.85M	18.941M	18.975M	18.991M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.65M	37.581M	36.65M	37.631M
2437MHz	Pass	500k	37.7M	37.731M	36.7M	37.831M
2452MHz	Pass	500k	37.6M	37.631M	36.7M	37.681M

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

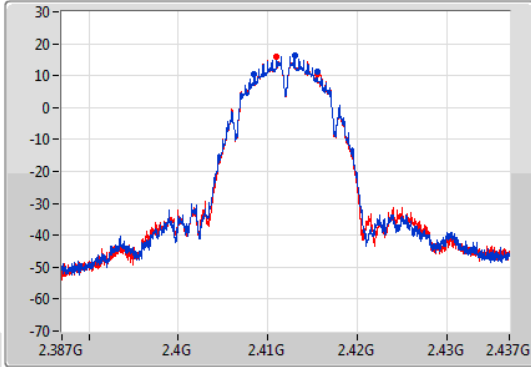
802.11b_Nss1,(1Mbps)_2TX

EBW

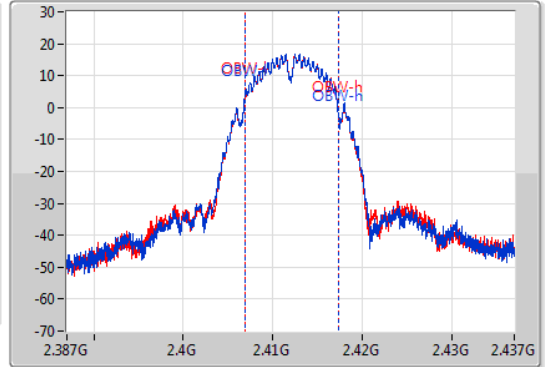
2412MHz

29/12/2020

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.025M	2.4085G	2.415525G	10.52M	2.406853G	2.417372G	500k	1
7.025M	2.4085G	2.415525G	10.42M	2.406878G	2.417297G	500k	2

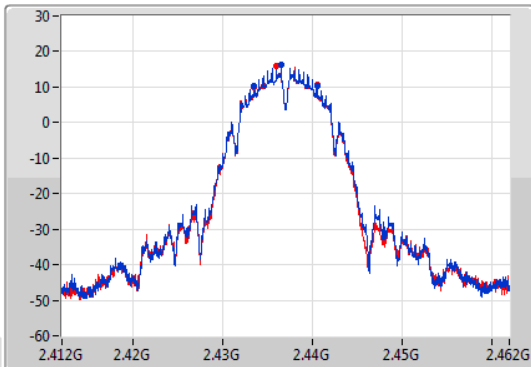
802.11b_Nss1,(1Mbps)_2TX

EBW

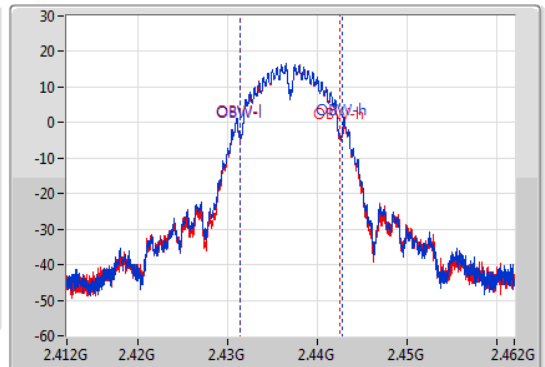
2437MHz

29/12/2020

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



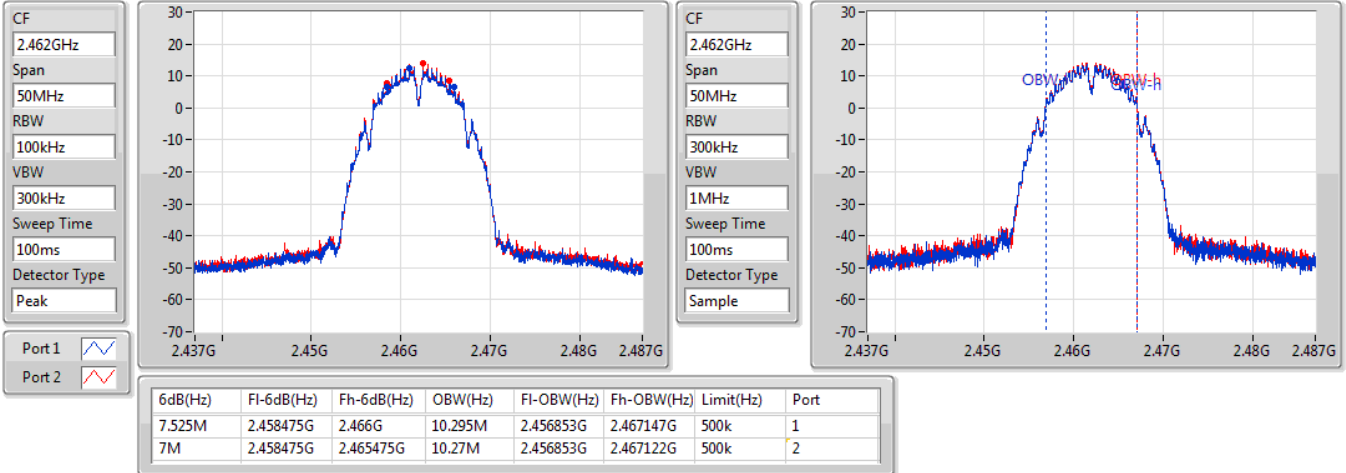
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.4335G	2.4405G	11.419M	2.431303G	2.442722G	500k	1
7.075M	2.43345G	2.440525G	11.044M	2.431403G	2.442447G	500k	2

802.11b_Nss1,(1Mbps)_2TX

EBW

2462MHz

29/12/2020

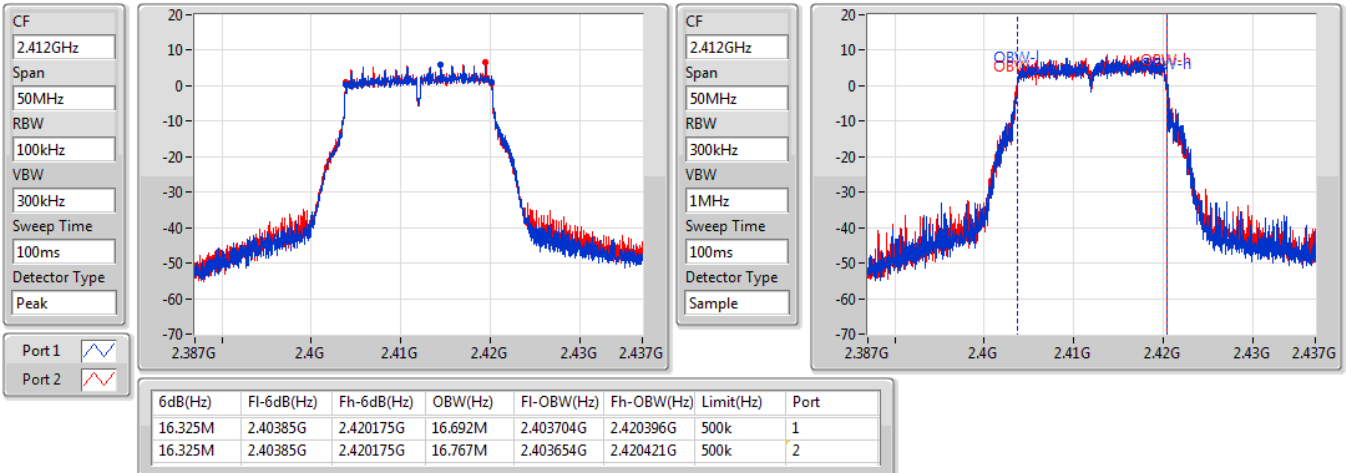


802.11g_Nss1,(6Mbps)_2TX

EBW

2412MHz

29/12/2020



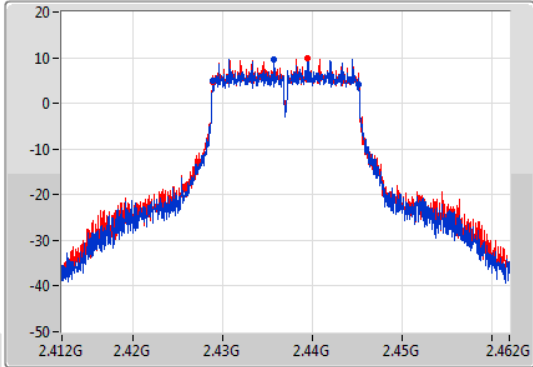
802.11g_Nss1,(6Mbps)_2TX

EBW

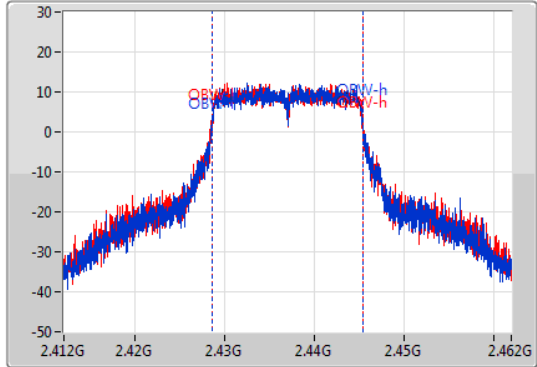
2437MHz

29/12/2020

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.428825G	2.445175G	16.792M	2.428579G	2.445371G	500k	1
16.35M	2.428825G	2.445175G	16.917M	2.428504G	2.445421G	500k	2

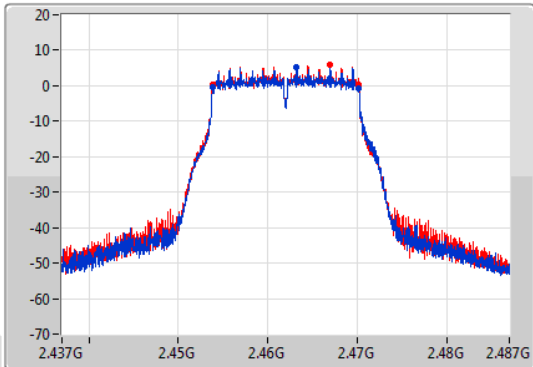
802.11g_Nss1,(6Mbps)_2TX

EBW

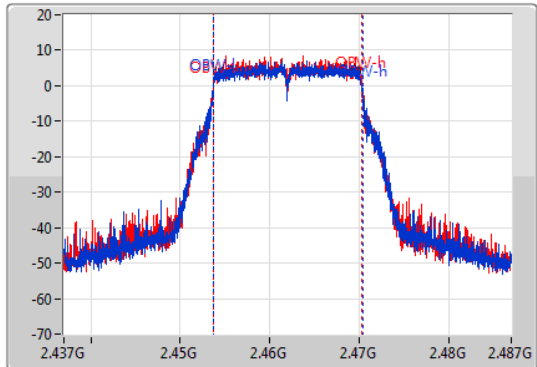
2462MHz

29/12/2020

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



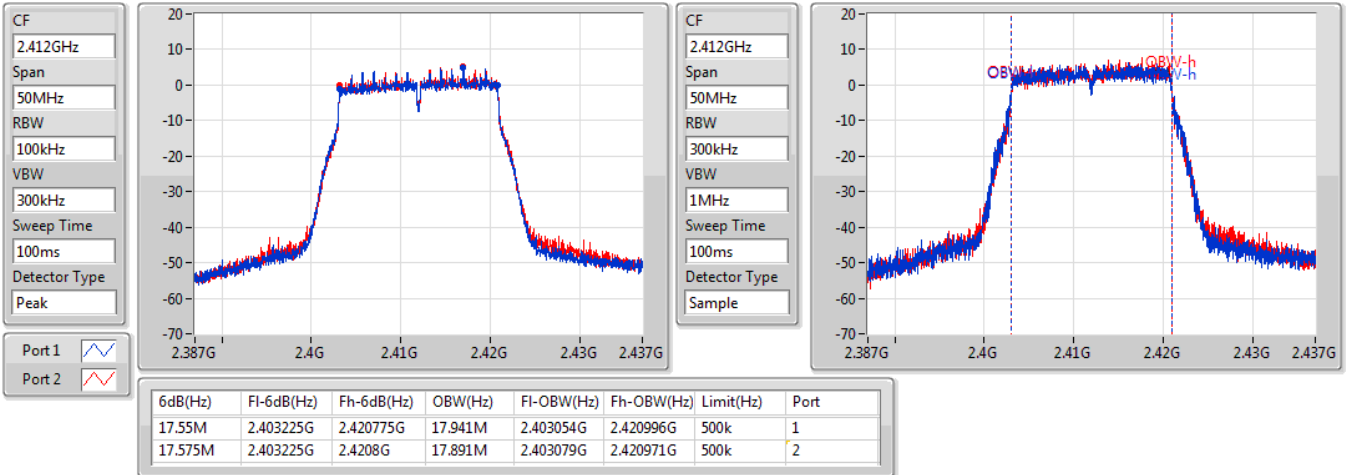
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.453825G	2.470175G	16.717M	2.453654G	2.470371G	500k	1
16.325M	2.45385G	2.470175G	16.642M	2.453679G	2.470321G	500k	2

802.11n HT20_Nss1,(MCS0)_2TX

EBW

2412MHz

29/12/2020

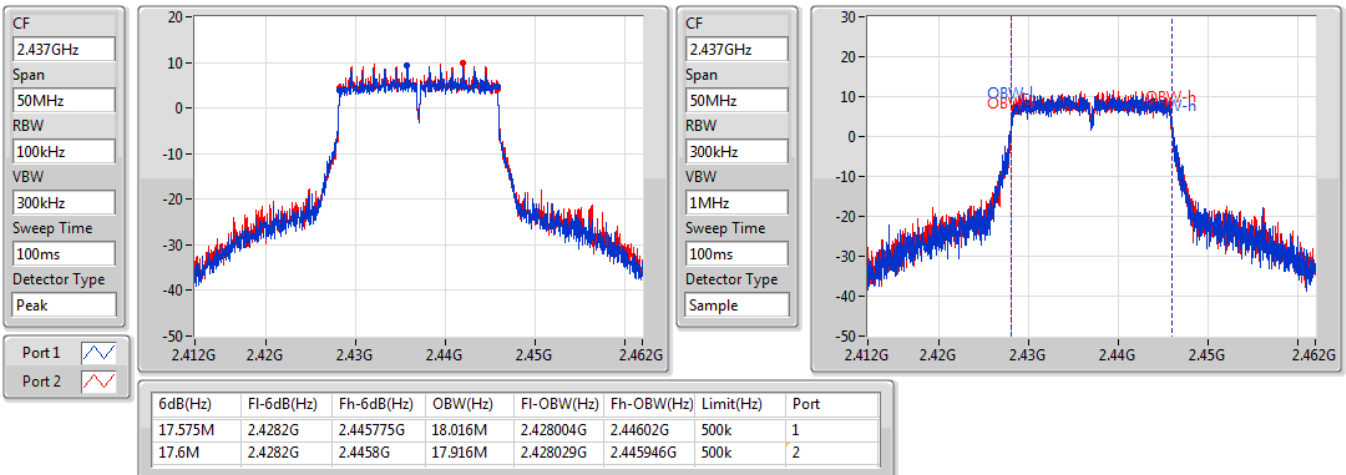


802.11n HT20_Nss1,(MCS0)_2TX

EBW

2437MHz

29/12/2020

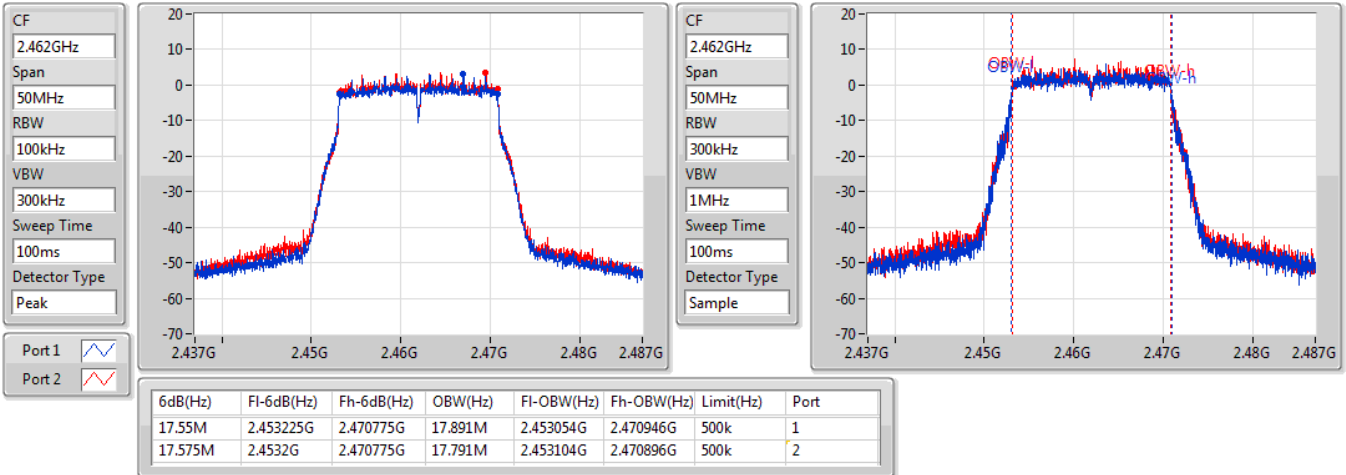


802.11n HT20_Nss1,(MCS0)_2TX

EBW

2462MHz

29/12/2020

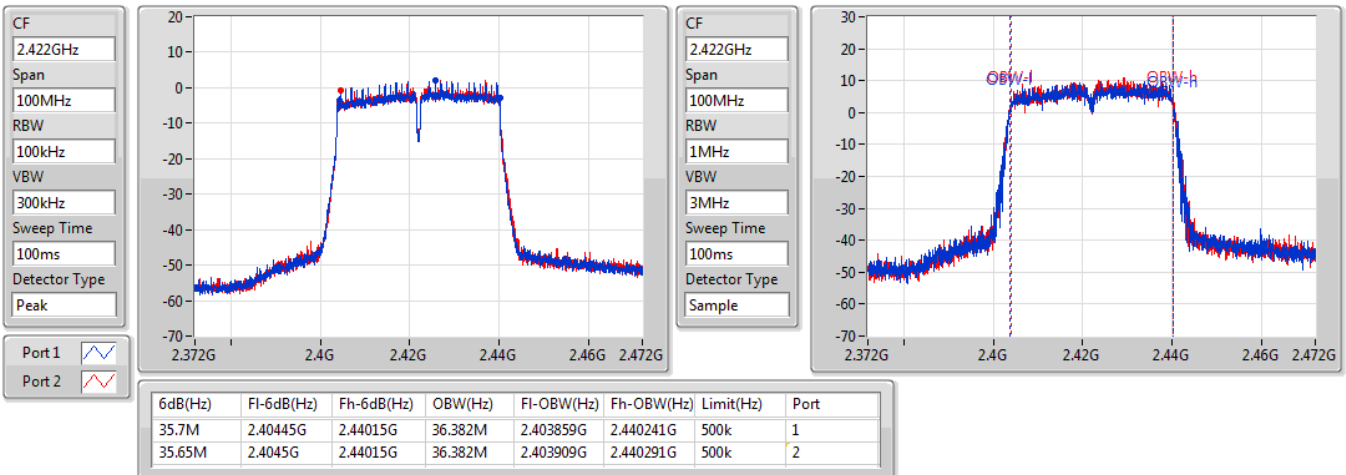


802.11n HT40_Nss1,(MCS0)_2TX

EBW

2422MHz

29/12/2020

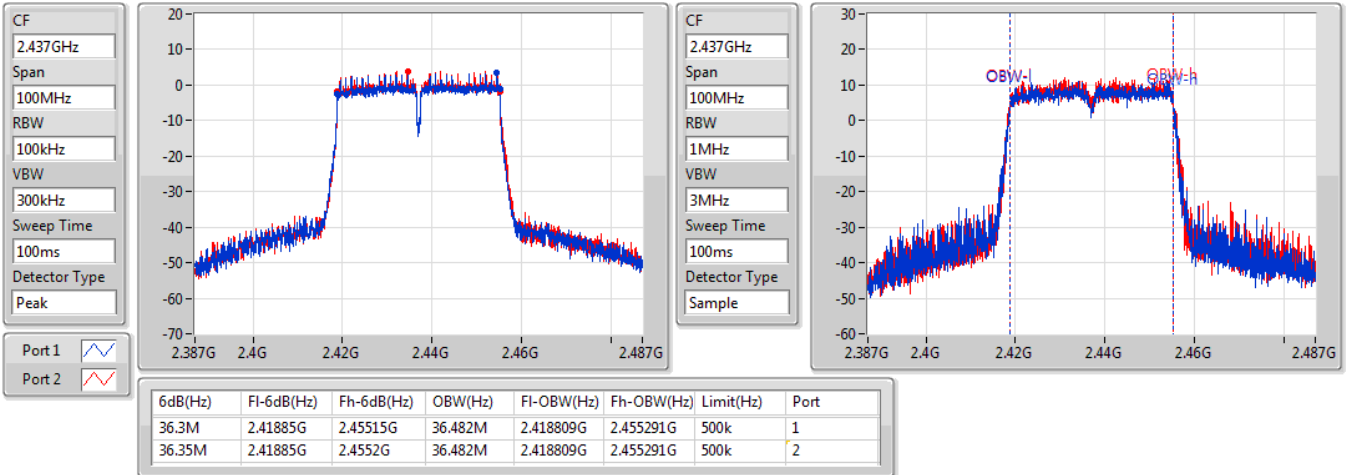


802.11n HT40_Nss1,(MCS0)_2TX

EBW

2437MHz

29/12/2020

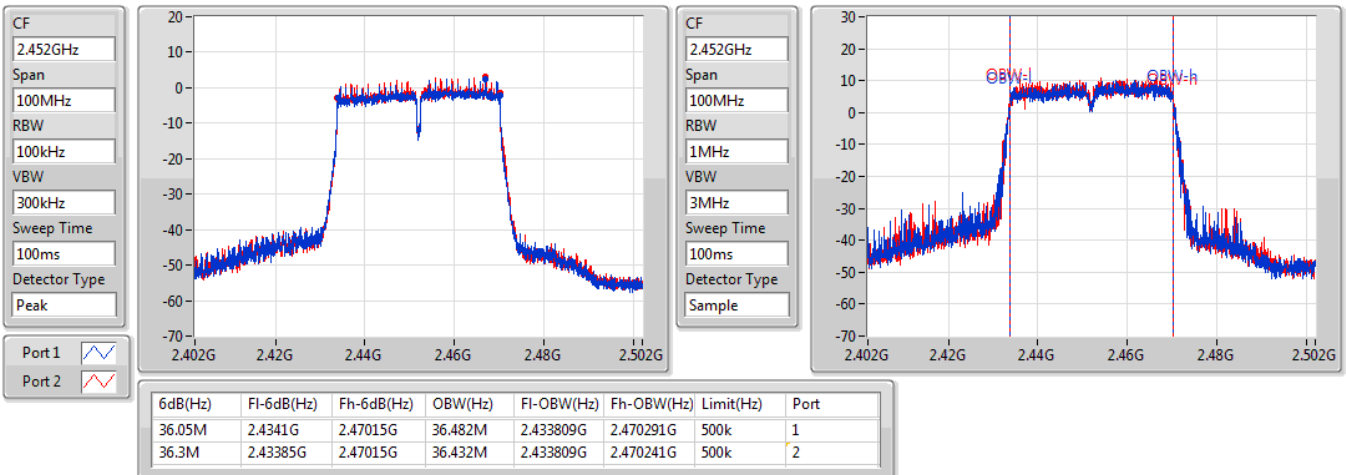


802.11n HT40_Nss1,(MCS0)_2TX

EBW

2452MHz

29/12/2020

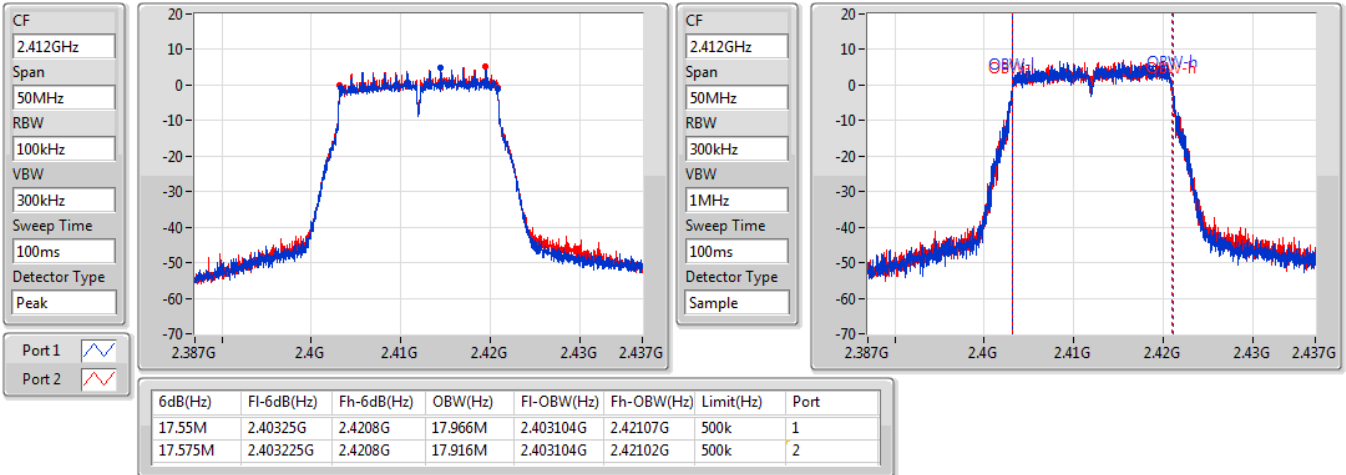


VHT20_Nss1,(MCS0)_2TX

EBW

2412MHz

29/12/2020



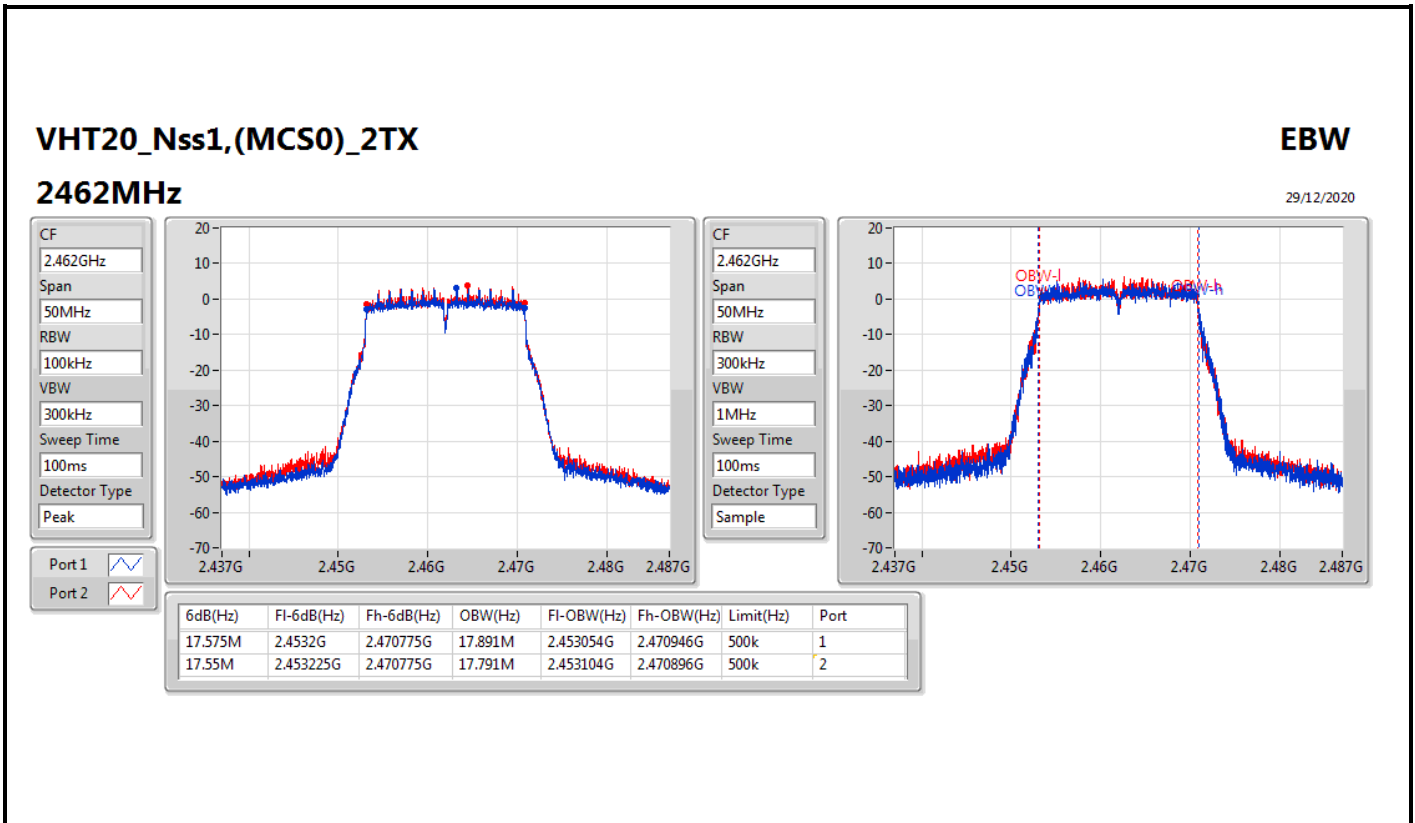
VHT20_Nss1,(MCS0)_2TX

EBW

2437MHz

29/12/2020





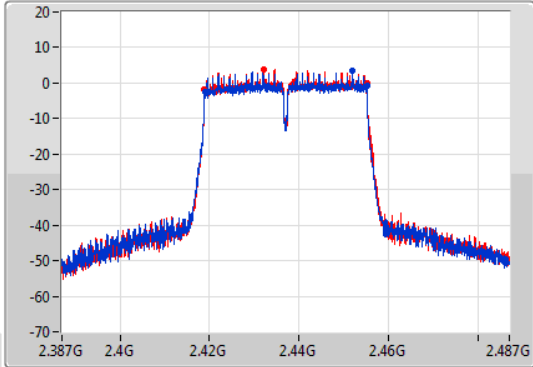
VHT40_Nss1,(MCS0)_2TX

EBW

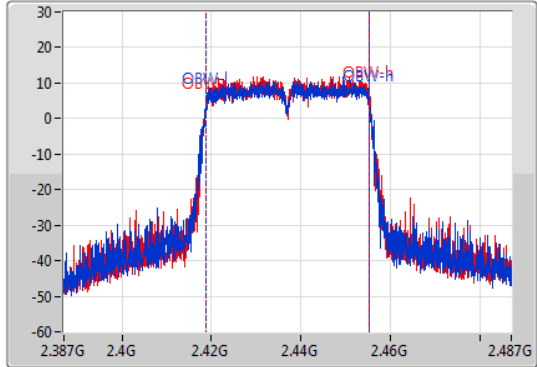
2437MHz

29/12/2020

CF
2.437GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4191G	2.45515G	36.482M	2.418809G	2.455291G	500k	1
36.3M	2.41885G	2.45515G	36.532M	2.418809G	2.455341G	500k	2

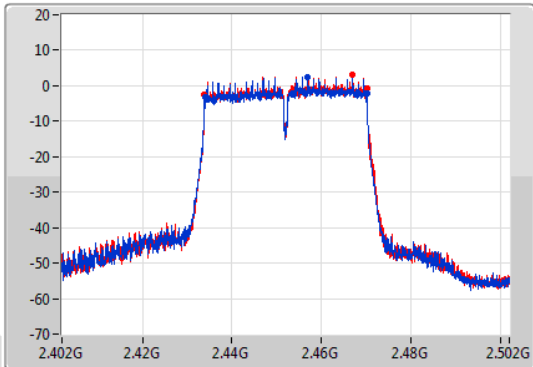
VHT40_Nss1,(MCS0)_2TX

EBW

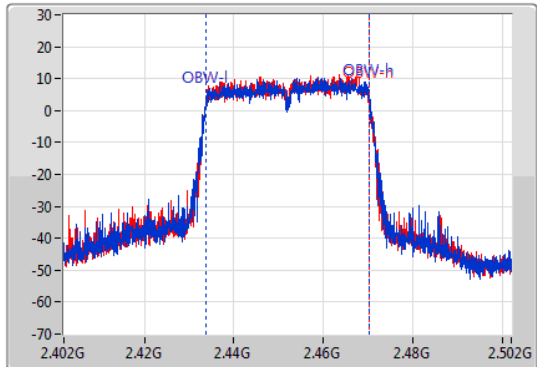
2452MHz

29/12/2020

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



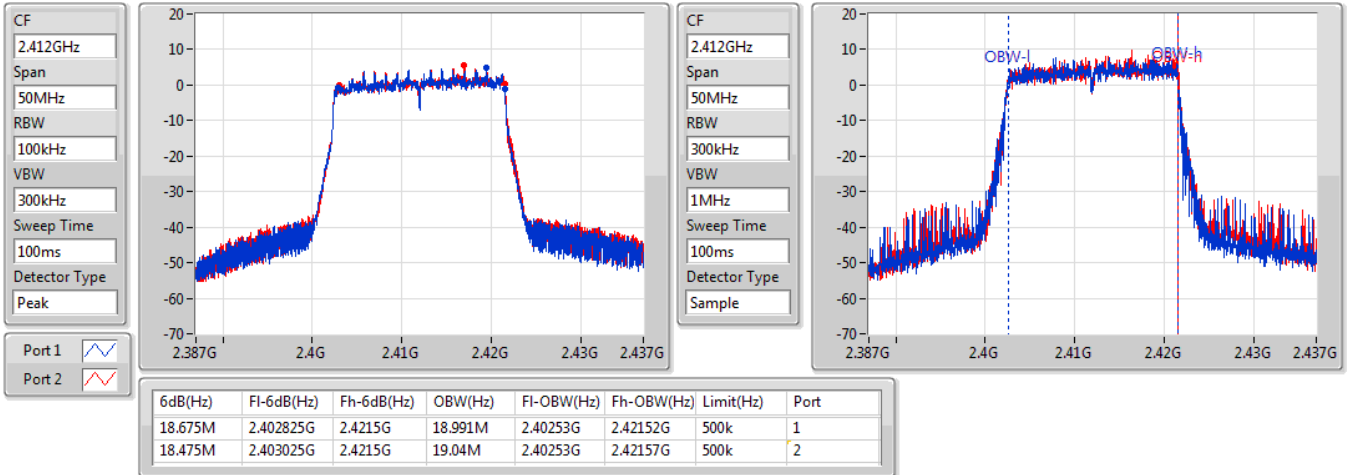
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4341G	2.47015G	36.432M	2.433859G	2.470291G	500k	1
36.3M	2.43385G	2.47015G	36.382M	2.433859G	2.470241G	500k	2

802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

29/12/2020

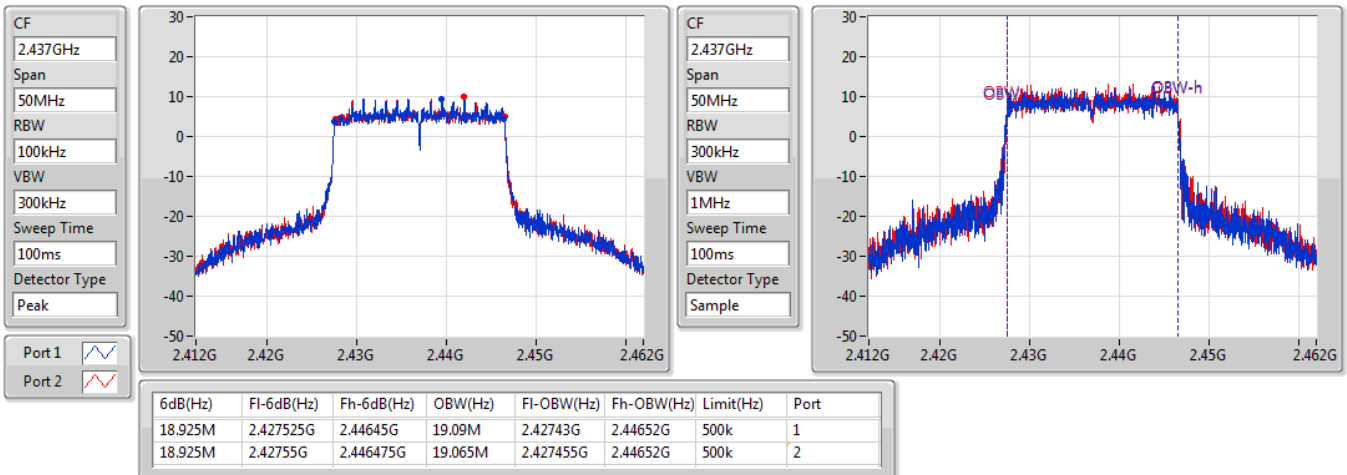


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

29/12/2020

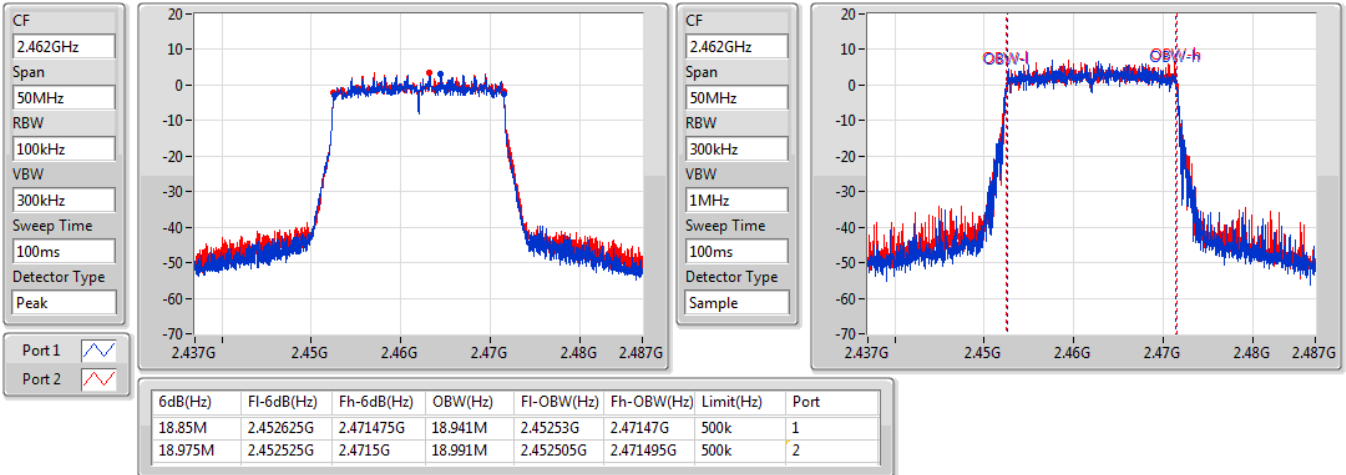


802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

29/12/2020

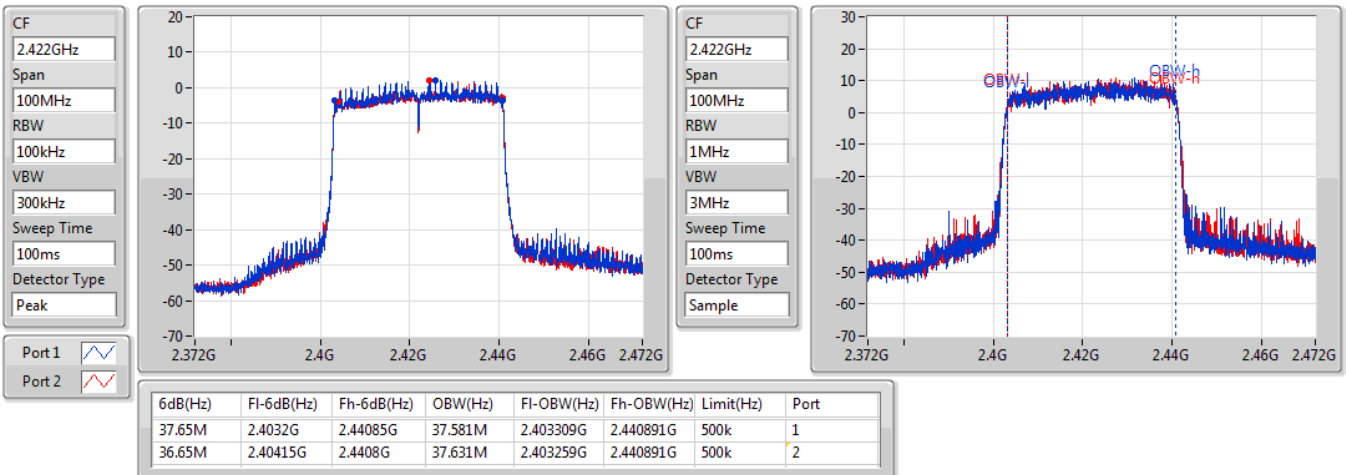


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

29/12/2020

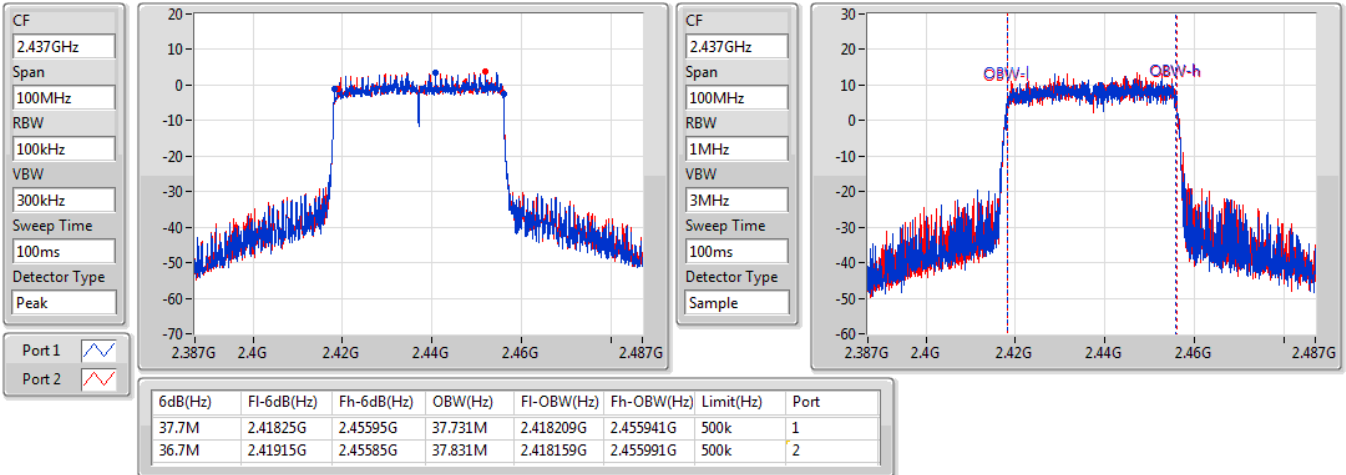


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

29/12/2020

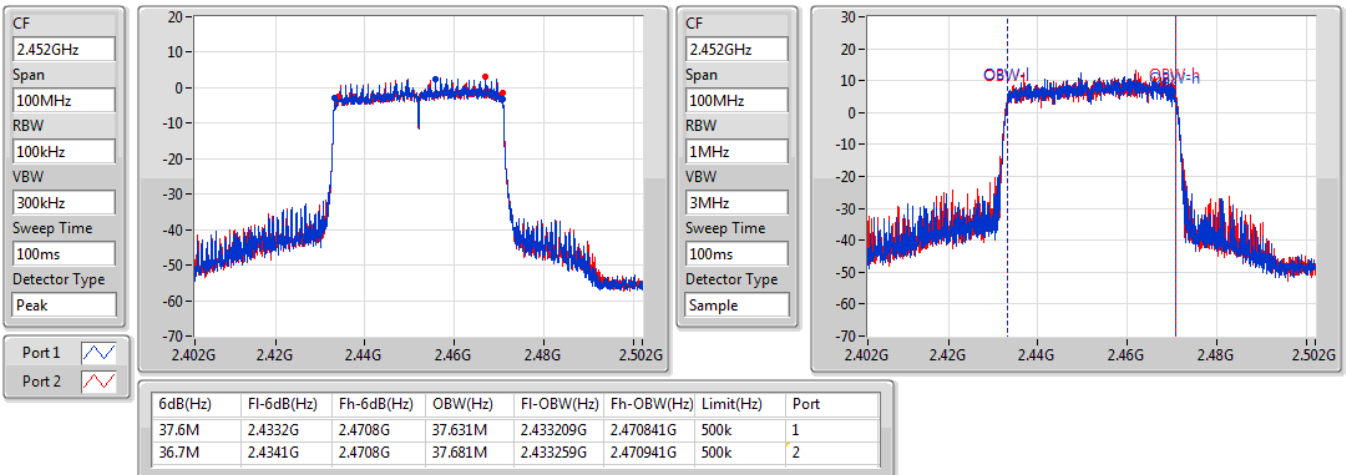


802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

29/12/2020





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)_4TX	19.05M	19.057M	19M1D1D	18.675M	18.941M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.75M	37.949M	37M9D1D	36.6M	37.537M

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)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.85M	18.949M	18.8M	18.966M	18.975M	19.057M	18.875M	19.023M
2437MHz	Pass	500k	19.05M	19.052M	18.95M	19.013M	18.975M	18.999M	18.975M	19.012M
2462MHz	Pass	500k	18.675M	18.941M	19M	18.986M	18.9M	19.018M	19.05M	19.007M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.15M	37.598M	36.65M	37.565M	37.15M	37.724M	36.6M	37.565M
2437MHz	Pass	500k	36.95M	37.949M	37.75M	37.812M	36.65M	37.567M	37.65M	37.812M
2452MHz	Pass	500k	37.45M	37.537M	37.2M	37.759M	37.55M	37.665M	37.7M	37.748M

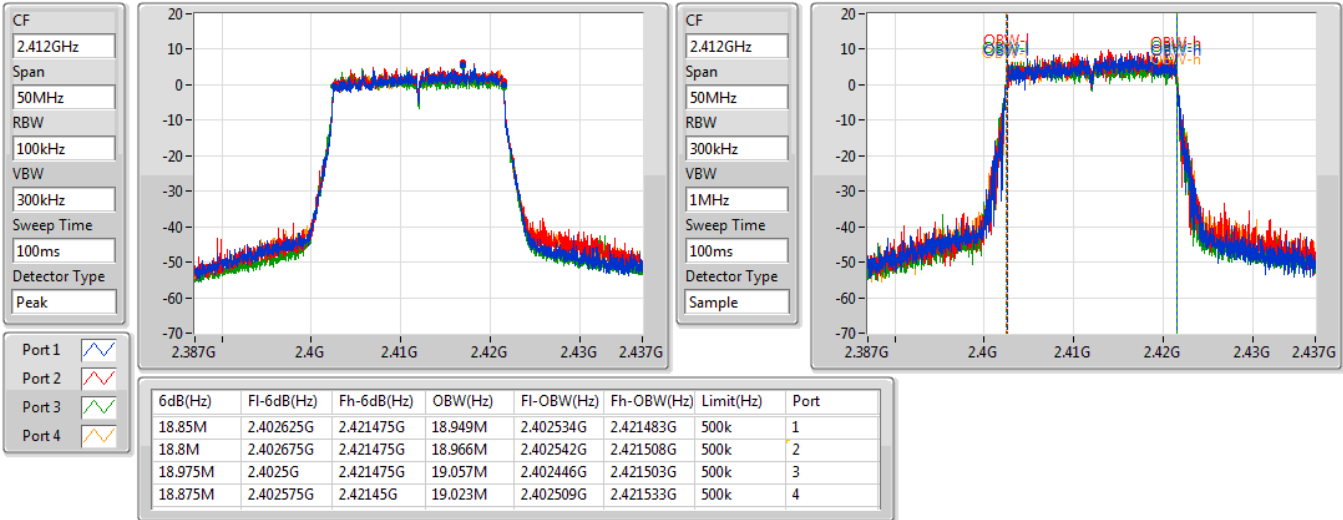
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

2412MHz

06/01/2021

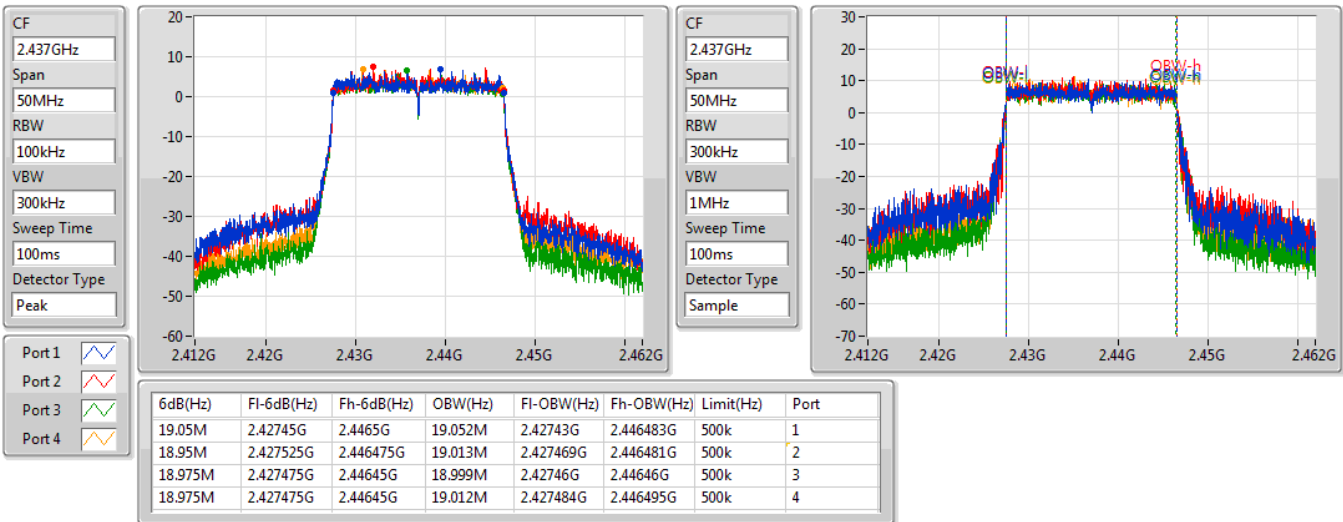


802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

06/01/2021



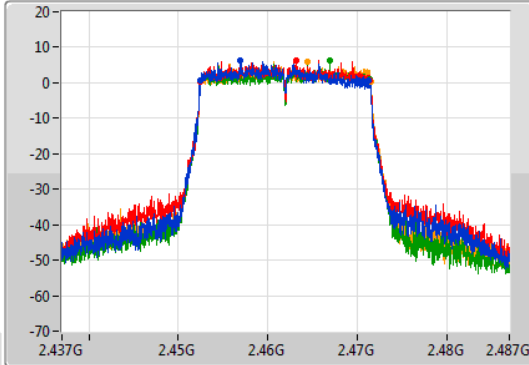
802.11ax HEW20-BF_Nss1,(MCS0)_4TX

EBW

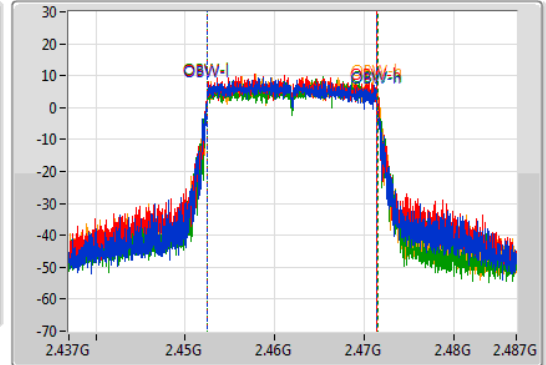
2462MHz

06/01/2021

CF
2.462GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.462GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.675M	2.452525G	2.4712G	18.941M	2.452459G	2.471399G	500k	1
19M	2.45245G	2.47145G	18.986M	2.452478G	2.471464G	500k	2
18.9M	2.452525G	2.471425G	19.018M	2.452466G	2.471484G	500k	3
19.05M	2.4525G	2.47155G	19.007M	2.452508G	2.471515G	500k	4

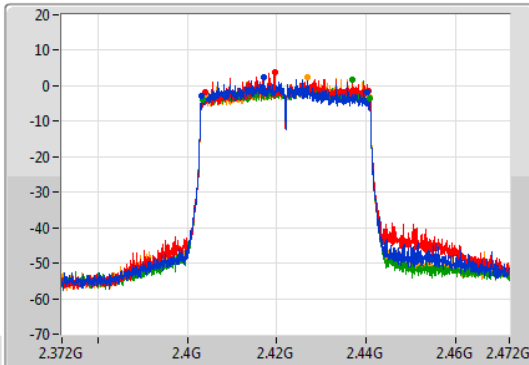
802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

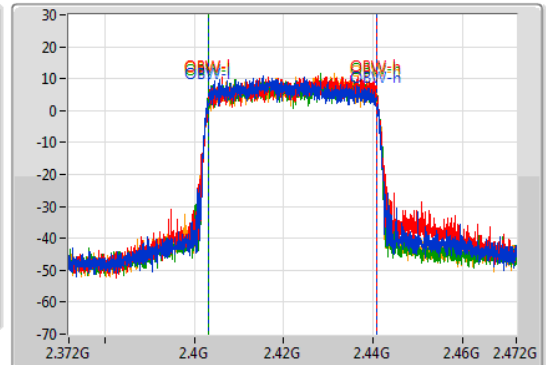
2422MHz

06/01/2021

CF
2.422GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.422GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



Port 1
Port 2
Port 3
Port 4

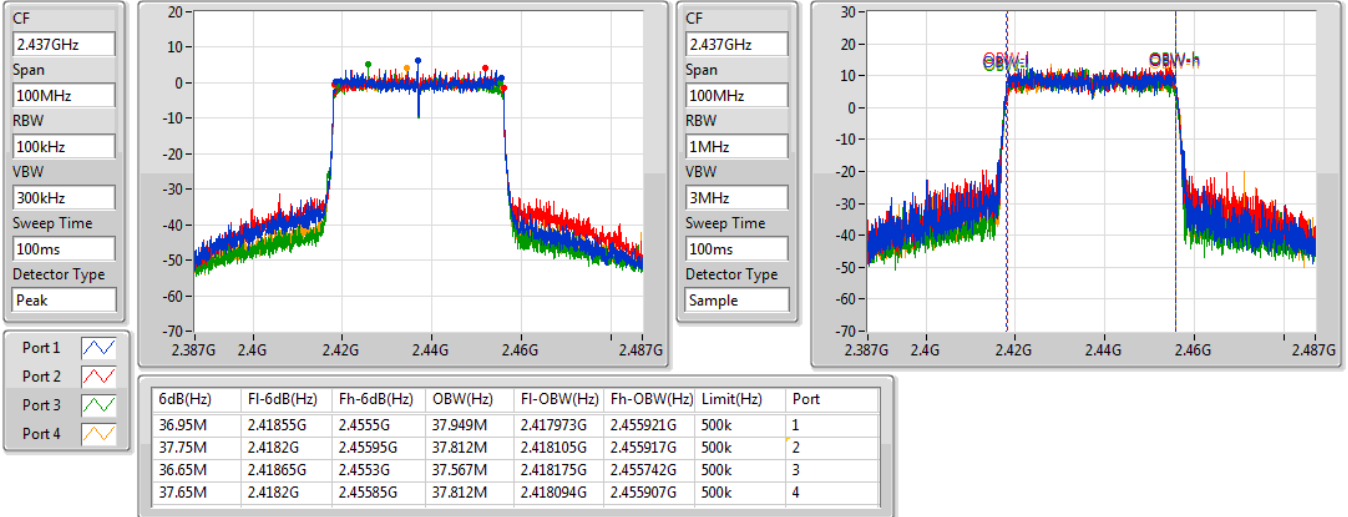
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.15M	2.4032G	2.44035G	37.598M	2.403133G	2.440731G	500k	1
36.65M	2.40395G	2.4406G	37.565M	2.403325G	2.44089G	500k	2
37.15M	2.40355G	2.4407G	37.724M	2.403137G	2.440861G	500k	3
36.6M	2.40415G	2.44075G	37.565M	2.403308G	2.440872G	500k	4

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2437MHz

06/01/2021

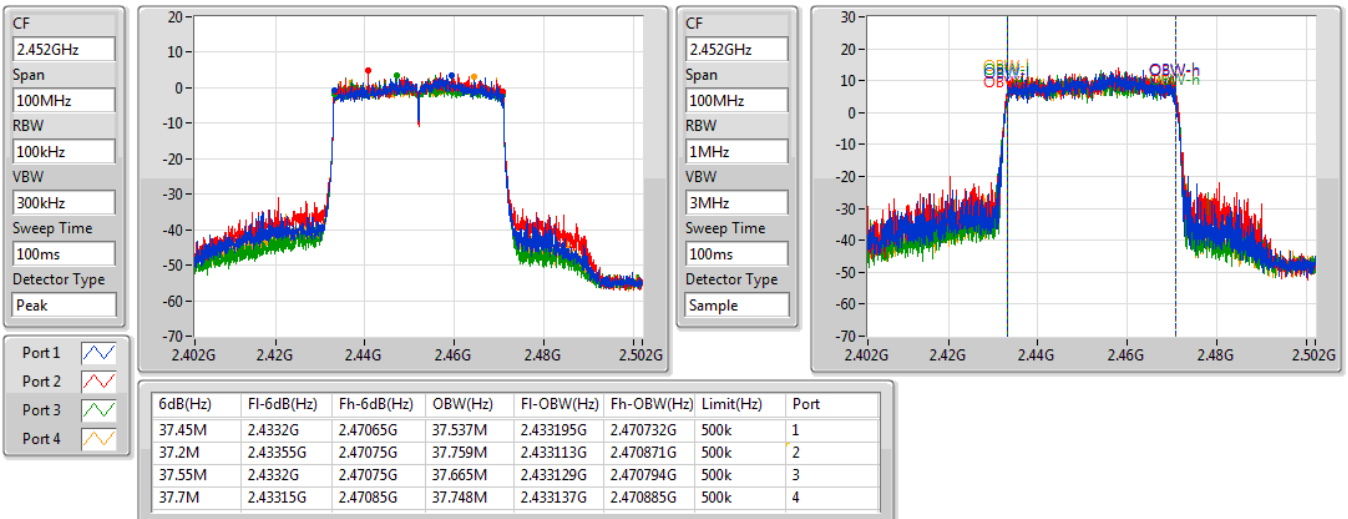


802.11ax HEW40-BF_Nss1,(MCS0)_4TX

EBW

2452MHz

06/01/2021





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	19.092M	19M1D1D	18.85M	18.903M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.1M	37.835M	37M8D1D	36.35M	37.634M

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	18.875M	19.011M	18.975M	18.997M
2437MHz	Pass	500k	18.975M	19.092M	18.85M	19.072M
2462MHz	Pass	500k	18.875M	18.903M	18.925M	18.98M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.35M	37.634M	36.75M	37.65M
2437MHz	Pass	500k	37.1M	37.641M	36.95M	37.835M
2452MHz	Pass	500k	36.9M	37.731M	36.95M	37.658M

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

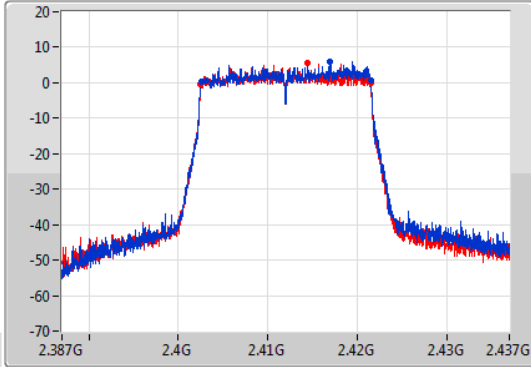
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

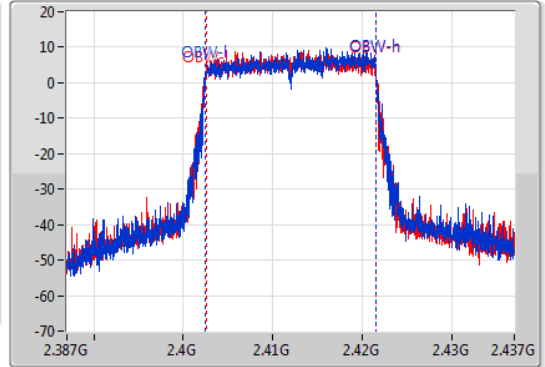
2412MHz

12/01/2021

CF
2.412GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.412GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.875M	2.40265G	2.421525G	19.011M	2.402518G	2.421528G	500k	1
18.975M	2.4025G	2.421475G	18.997M	2.402529G	2.421526G	500k	2

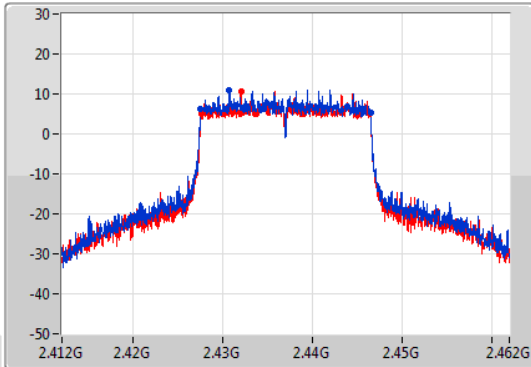
802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

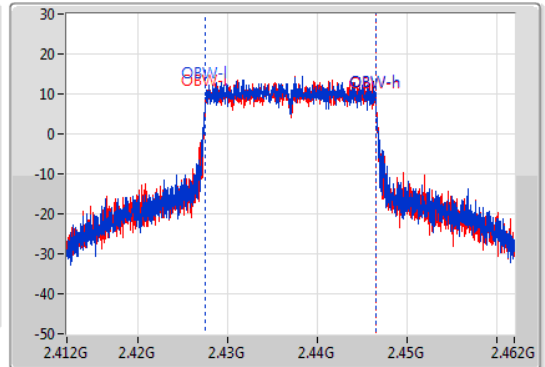
2437MHz

12/01/2021

CF
2.437GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
50MHz
RBW
300kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Sample



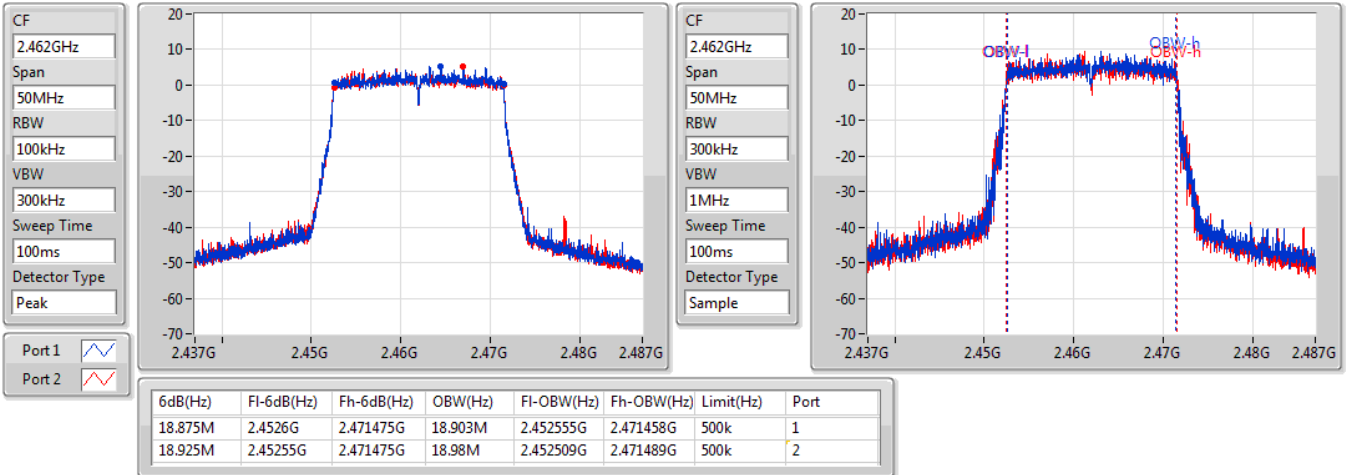
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.975M	2.4275G	2.446475G	19.092M	2.427435G	2.446527G	500k	1
18.85M	2.4276G	2.44645G	19.072M	2.427464G	2.446536G	500k	2

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

EBW

2462MHz

12/01/2021

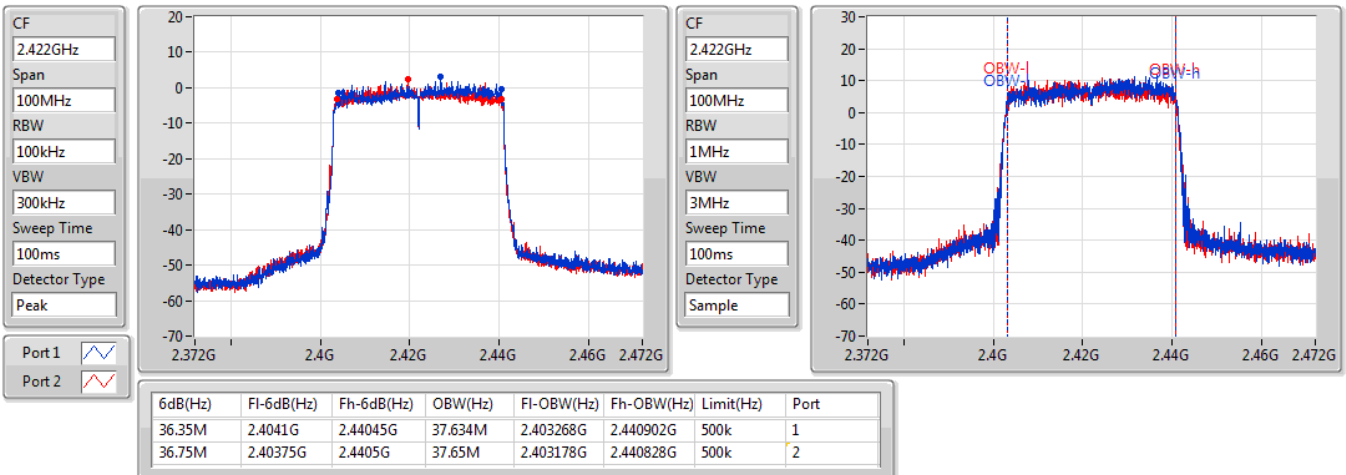


802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

2422MHz

12/01/2021



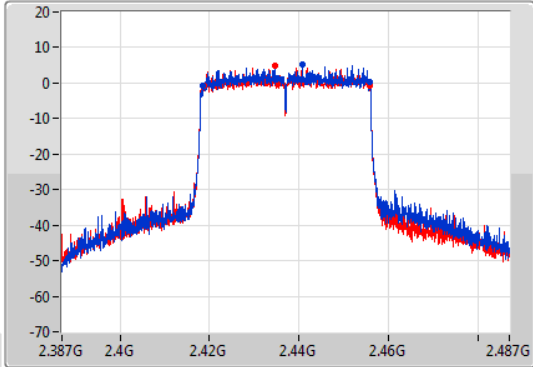
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

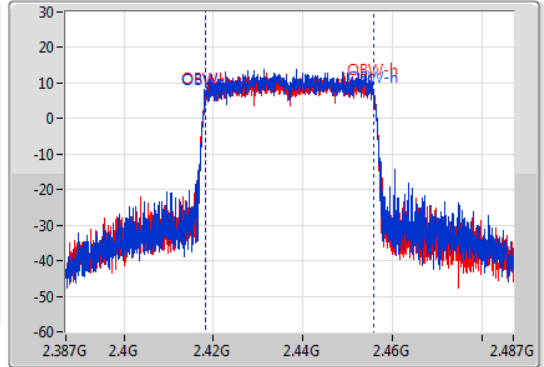
2437MHz

12/01/2021

CF
2.437GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.437GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.1M	2.4186G	2.4557G	37.641M	2.418243G	2.455884G	500k	1
36.95M	2.41875G	2.4557G	37.835M	2.4181G	2.455935G	500k	2

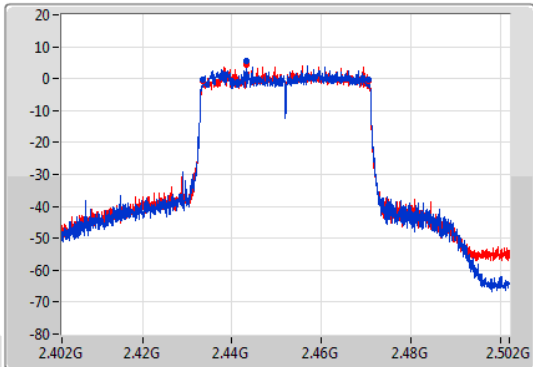
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

EBW

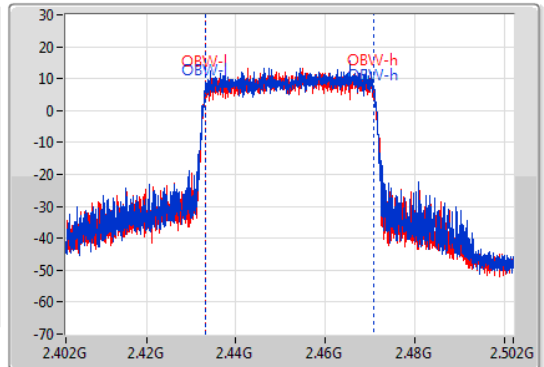
2452MHz

12/01/2021

CF
2.452GHz
Span
100MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.452GHz
Span
100MHz
RBW
1MHz
VBW
3MHz
Sweep Time
100ms
Detector Type
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.9M	2.4335G	2.4704G	37.731M	2.433136G	2.470867G	500k	1
36.95M	2.4336G	2.47055G	37.658M	2.433194G	2.470852G	500k	2



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	29.93	0.98401
802.11g_Nss1,(6Mbps)_4TX	28.45	0.69984
802.11n HT20_Nss1,(MCS0)_4TX	28.25	0.66834
802.11n HT40_Nss1,(MCS0)_4TX	24.25	0.26607
VHT20_Nss1,(MCS0)_4TX	28.26	0.66988
VHT40_Nss1,(MCS0)_4TX	24.36	0.27290
802.11ax HEW20_Nss1,(MCS0)_4TX	28.48	0.70469
802.11ax HEW40_Nss1,(MCS0)_4TX	24.55	0.28510



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.10	24.08	23.82	23.75	23.75	29.87	30.00
2437MHz	Pass	5.10	23.51	23.79	23.94	23.72	29.76	30.00
2462MHz	Pass	5.10	23.55	23.98	24.07	24.00	29.93	30.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.10	18.62	18.24	17.76	17.99	24.18	30.00
2417MHz	Pass	5.10	20.61	20.50	20.32	20.56	26.52	30.00
2437MHz	Pass	5.10	22.48	22.28	22.62	22.31	28.45	30.00
2457MHz	Pass	5.10	18.89	18.51	18.34	18.49	24.58	30.00
2462MHz	Pass	5.10	17.15	17.16	16.86	17.48	23.19	30.00
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.10	16.87	16.50	15.96	16.57	22.51	30.00
2417MHz	Pass	5.10	19.75	19.70	19.41	19.81	25.69	30.00
2437MHz	Pass	5.10	22.27	22.22	22.20	22.21	28.25	30.00
2457MHz	Pass	5.10	16.51	16.41	14.87	16.33	22.10	30.00
2462MHz	Pass	5.10	14.30	14.17	14.02	14.38	20.24	30.00
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.10	17.21	17.43	17.00	16.85	23.15	30.00
2427MHz	Pass	5.10	18.25	18.57	17.92	18.15	24.25	30.00
2437MHz	Pass	5.10	18.24	18.47	18.02	18.07	24.22	30.00
2447MHz	Pass	5.10	17.29	17.24	16.74	16.91	23.07	30.00
2452MHz	Pass	5.10	16.32	16.36	16.10	16.11	22.24	30.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.10	16.88	16.82	16.00	16.59	22.61	30.00
2417MHz	Pass	5.10	19.89	19.73	19.46	19.77	25.74	30.00
2437MHz	Pass	5.10	22.24	22.11	22.41	22.21	28.26	30.00
2457MHz	Pass	5.10	16.48	16.43	15.84	16.28	22.29	30.00
2462MHz	Pass	5.10	14.40	14.33	14.02	14.45	20.32	30.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.10	17.38	17.56	16.82	17.03	23.23	30.00
2427MHz	Pass	5.10	18.35	18.60	18.13	18.28	24.36	30.00
2437MHz	Pass	5.10	18.35	18.53	18.12	18.06	24.29	30.00
2447MHz	Pass	5.10	17.37	17.44	16.86	16.82	23.15	30.00
2452MHz	Pass	5.10	16.39	16.38	16.17	16.22	22.31	30.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	5.10	17.18	16.88	16.41	16.92	22.88	30.00
2417MHz	Pass	5.10	20.06	19.97	19.73	20.11	25.99	30.00
2437MHz	Pass	5.10	22.39	22.46	22.47	22.50	28.48	30.00
2457MHz	Pass	5.10	16.68	16.25	16.11	16.59	22.43	30.00
2462MHz	Pass	5.10	14.45	14.55	14.44	14.71	20.56	30.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	5.10	17.61	17.62	17.12	17.37	23.46	30.00
2427MHz	Pass	5.10	18.44	18.83	18.20	18.21	24.45	30.00
2437MHz	Pass	5.10	18.74	18.71	18.41	18.24	24.55	30.00
2447MHz	Pass	5.10	17.56	17.51	17.05	17.09	23.33	30.00
2452MHz	Pass	5.10	16.52	16.76	16.18	16.24	22.45	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	27.44	0.55463
802.11g_Nss1,(6Mbps)_2TX	24.86	0.30620
802.11n HT20_Nss1,(MCS0)_2TX	24.39	0.27479
802.11n HT40_Nss1,(MCS0)_2TX	21.22	0.13243
VHT20_Nss1,(MCS0)_2TX	24.40	0.27542
VHT40_Nss1,(MCS0)_2TX	21.29	0.13459
802.11ax HEW20_Nss1,(MCS0)_2TX	24.53	0.28379
802.11ax HEW40_Nss1,(MCS0)_2TX	21.42	0.13868



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	24.36	24.50	27.44	30.00
2437MHz	Pass	4.90	23.85	24.01	26.94	30.00
2457MHz	Pass	4.90	24.09	24.18	27.15	30.00
2462MHz	Pass	4.90	20.85	21.38	24.13	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	17.92	18.02	20.98	30.00
2417MHz	Pass	4.90	19.41	19.60	22.52	30.00
2437MHz	Pass	4.90	21.68	22.01	24.86	30.00
2457MHz	Pass	4.90	18.23	18.79	21.53	30.00
2462MHz	Pass	4.90	17.03	17.50	20.28	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	16.39	16.59	19.50	30.00
2417MHz	Pass	4.90	19.39	19.56	22.49	30.00
2437MHz	Pass	4.90	21.35	21.41	24.39	30.00
2457MHz	Pass	4.90	18.17	18.71	21.46	30.00
2462MHz	Pass	4.90	14.78	15.50	18.17	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.90	16.35	16.61	19.49	30.00
2427MHz	Pass	4.90	17.18	17.40	20.30	30.00
2437MHz	Pass	4.90	18.20	18.21	21.22	30.00
2447MHz	Pass	4.90	17.60	17.74	20.68	30.00
2452MHz	Pass	4.90	17.02	17.21	20.13	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	16.36	16.69	19.54	30.00
2417MHz	Pass	4.90	19.61	19.78	22.71	30.00
2437MHz	Pass	4.90	21.27	21.51	24.40	30.00
2457MHz	Pass	4.90	18.19	18.74	21.48	30.00
2462MHz	Pass	4.90	14.88	15.46	18.19	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.90	16.40	16.60	19.51	30.00
2427MHz	Pass	4.90	17.23	17.38	20.32	30.00
2437MHz	Pass	4.90	18.20	18.35	21.29	30.00
2447MHz	Pass	4.90	17.60	17.78	20.70	30.00
2452MHz	Pass	4.90	17.10	17.22	20.17	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	16.68	16.90	19.80	30.00
2417MHz	Pass	4.90	19.68	19.88	22.79	30.00
2437MHz	Pass	4.90	21.44	21.59	24.53	30.00
2457MHz	Pass	4.90	18.56	18.91	21.75	30.00
2462MHz	Pass	4.90	15.18	15.86	18.54	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.90	16.79	16.76	19.79	30.00
2427MHz	Pass	4.90	17.48	17.61	20.56	30.00
2437MHz	Pass	4.90	18.32	18.50	21.42	30.00
2447MHz	Pass	4.90	17.71	18.09	20.91	30.00
2452MHz	Pass	4.90	17.27	17.47	20.38	30.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	24.84	0.30479
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	24.38	0.27416



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	16.86	17.81	16.59	17.13	23.14	25.00
2417MHz	Pass	11.00	18.59	18.87	18.43	18.20	24.55	25.00
2437MHz	Pass	11.00	19.16	19.08	18.50	18.51	24.84	25.00
2457MHz	Pass	11.00	18.55	19.09	17.65	18.16	24.42	25.00
2462MHz	Pass	11.00	18.20	18.30	17.61	17.69	23.98	25.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.00	16.73	16.91	16.11	16.08	22.49	25.00
2427MHz	Pass	11.00	16.24	17.38	16.62	16.72	22.78	25.00
2437MHz	Pass	11.00	18.69	18.51	17.95	18.25	24.38	25.00
2447MHz	Pass	11.00	17.91	18.34	17.82	17.86	24.01	25.00
2452MHz	Pass	11.00	18.04	17.92	17.22	17.95	23.82	25.00

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



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	25.32	0.34041
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.19	0.16558



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.91	18.01	17.18	20.63	28.09
2417MHz	Pass	7.91	20.36	19.93	23.16	28.09
2437MHz	Pass	7.91	22.24	22.37	25.32	28.09
2457MHz	Pass	7.91	18.15	18.64	21.41	28.09
2462MHz	Pass	7.91	16.93	17.23	20.09	28.09
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.91	16.95	15.98	19.50	28.09
2427MHz	Pass	7.91	18.72	17.84	21.31	28.09
2437MHz	Pass	7.91	19.76	18.51	22.19	28.09
2447MHz	Pass	7.91	19.08	19.18	22.14	28.09
2452MHz	Pass	7.91	18.65	18.09	21.39	28.09

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-0.89
802.11g_Nss1,(6Mbps)_4TX	-1.23
802.11n HT20_Nss1,(MCS0)_4TX	1.08
802.11n HT40_Nss1,(MCS0)_4TX	-5.15
VHT20_Nss1,(MCS0)_4TX	1.52
VHT40_Nss1,(MCS0)_4TX	-4.26
802.11ax HEW20_Nss1,(MCS0)_4TX	-2.54
802.11ax HEW40_Nss1,(MCS0)_4TX	-5.18

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	-6.28	-6.55	-6.76	-6.37	-1.02	3.00
2437MHz	Pass	11.00	-6.86	-6.22	-6.44	-6.52	-1.09	3.00
2462MHz	Pass	11.00	-6.86	-6.38	-6.37	-6.57	-0.89	3.00
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	-6.72	-7.00	-8.29	-6.33	-1.23	3.00
2437MHz	Pass	11.00	-8.21	-8.27	-7.97	-7.74	-2.04	3.00
2462MHz	Pass	11.00	-8.39	-8.14	-8.38	-6.81	-2.51	3.00
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	-9.70	-9.86	-10.80	-9.28	-3.97	3.00
2437MHz	Pass	11.00	-3.33	-3.18	-4.25	-4.24	1.08	3.00
2462MHz	Pass	11.00	-11.99	-11.72	-12.01	-11.75	-6.64	3.00
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.00	-11.93	-11.13	-12.09	-10.18	-5.42	3.00
2437MHz	Pass	11.00	-11.10	-10.63	-10.85	-9.51	-5.15	3.00
2452MHz	Pass	11.00	-12.15	-12.56	-12.98	-11.98	-6.69	3.00
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	-9.58	-9.72	-10.14	-10.12	-4.52	3.00
2437MHz	Pass	11.00	-2.80	-3.98	-3.53	-4.17	1.52	3.00
2462MHz	Pass	11.00	-11.95	-11.74	-12.25	-11.85	-6.49	3.00
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.00	-11.16	-10.34	-11.27	-11.37	-5.86	3.00
2437MHz	Pass	11.00	-10.81	-9.55	-10.41	-10.40	-4.26	3.00
2452MHz	Pass	11.00	-11.05	-13.12	-11.81	-11.72	-6.38	3.00
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	-9.25	-9.76	-9.12	-8.58	-3.20	3.00
2437MHz	Pass	11.00	-8.75	-7.53	-9.56	-8.56	-2.54	3.00
2462MHz	Pass	11.00	-12.09	-10.61	-10.68	-10.47	-4.90	3.00
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.00	-11.65	-12.26	-12.24	-11.65	-6.91	3.00
2437MHz	Pass	11.00	-11.79	-10.80	-11.04	-10.75	-5.18	3.00
2452MHz	Pass	11.00	-13.11	-13.01	-14.18	-13.11	-7.99	3.00

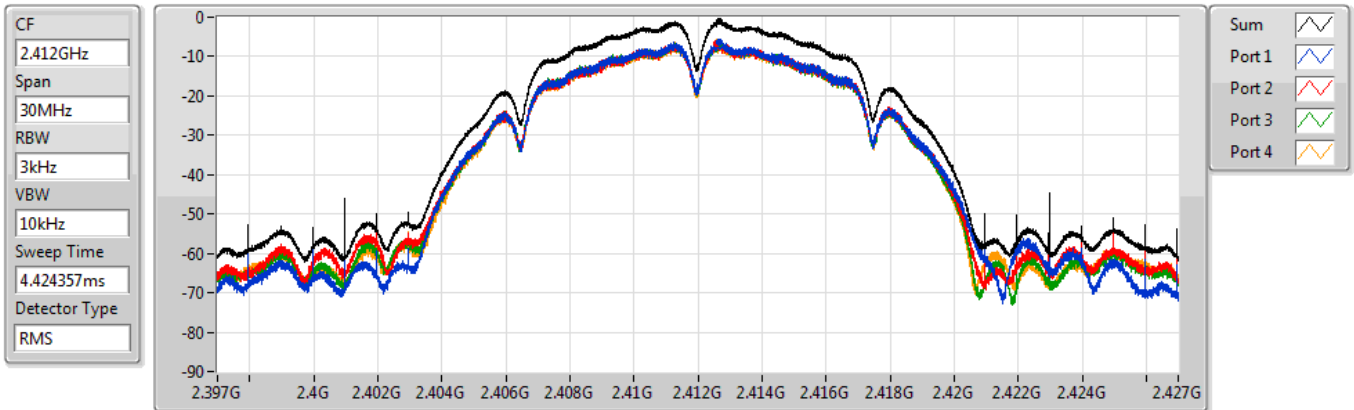
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11b_Nss1,(1Mbps)_4TX

PSD

2412MHz

29/12/2020

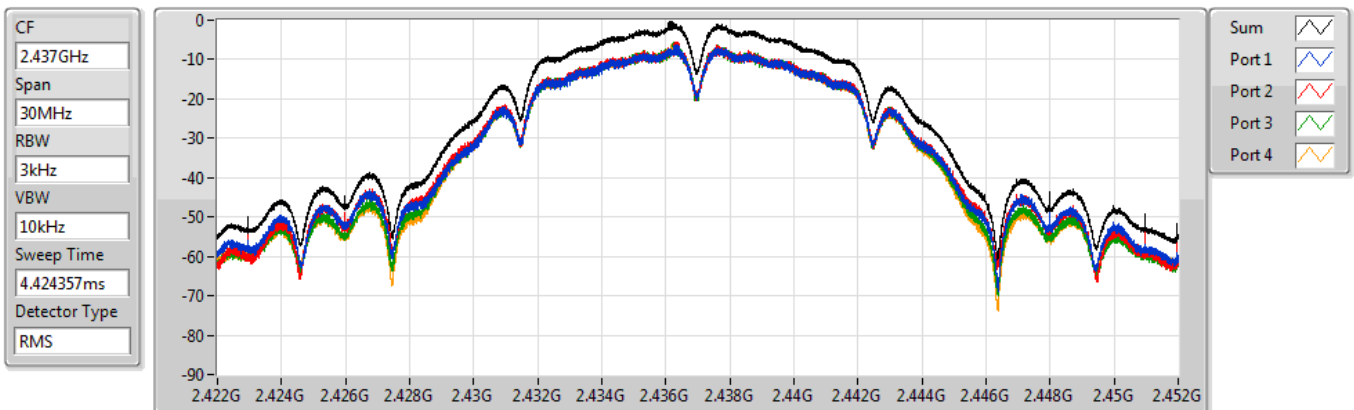


802.11b_Nss1,(1Mbps)_4TX

PSD

2437MHz

29/12/2020



802.11b_Nss1,(1Mbps)_4TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

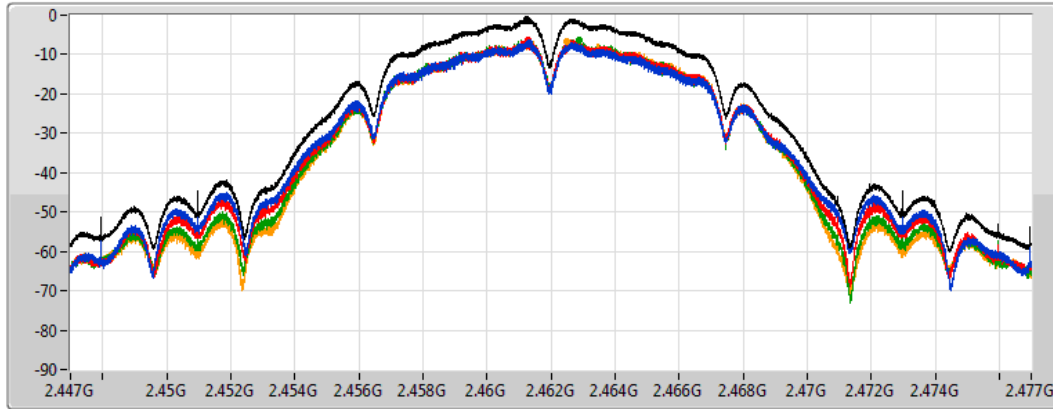
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-0.89	-0.89	-6.86	-6.38	-6.37	-6.57

802.11g_Nss1,(6Mbps)_4TX

PSD

2412MHz

29/12/2020

CF
2.412GHz

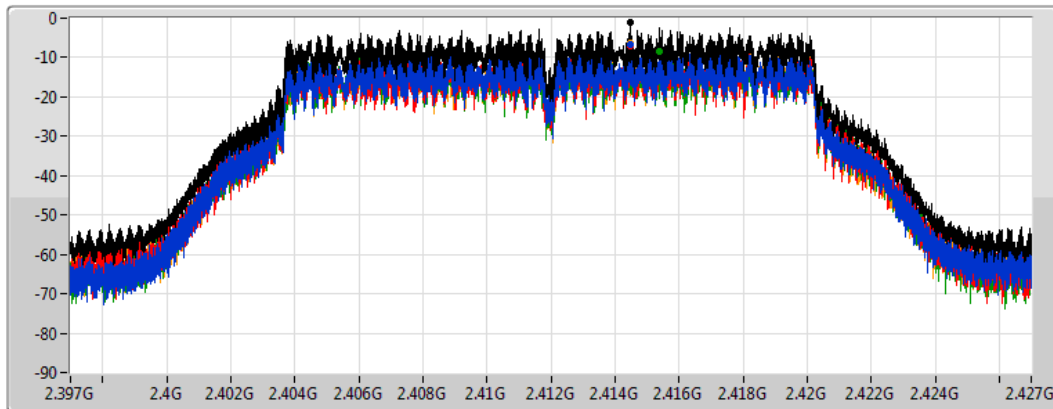
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.23	-1.23	-6.72	-7.00	-8.29	-6.33

802.11g_Nss1,(6Mbps)_4TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

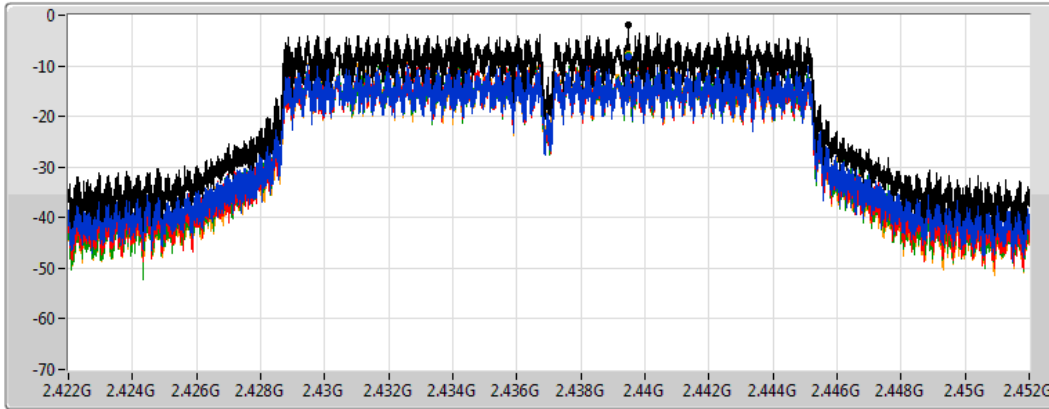
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
RMS




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.04	-2.04	-8.21	-8.27	-7.97	-7.74

802.11g_Nss1,(6Mbps)_4TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

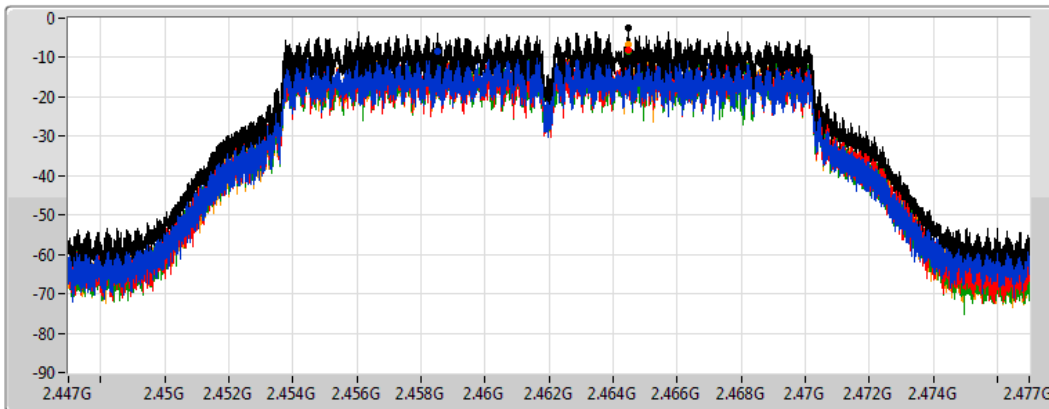
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.51	-2.51	-8.39	-8.14	-8.38	-6.81

802.11n HT20_Nss1,(MCS0)_4TX

PSD

2412MHz

29/12/2020

CF
2.412GHz

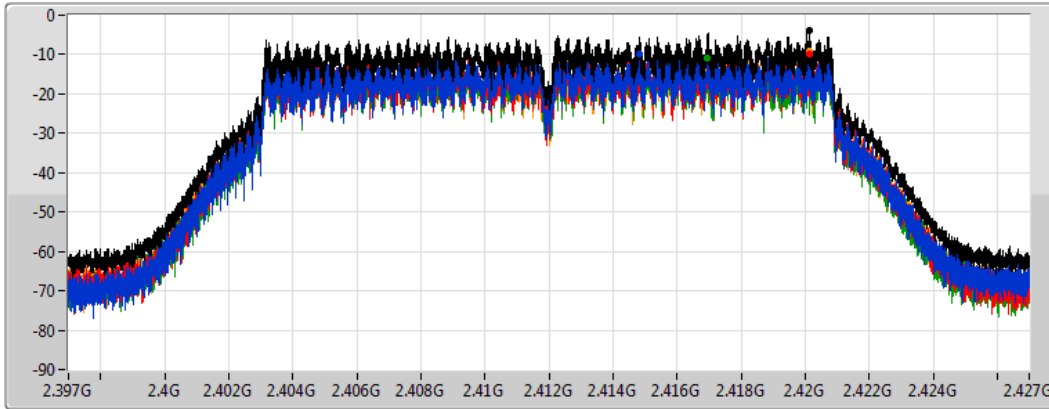
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.97	-3.97	-9.70	-9.86	-10.80	-9.28

802.11n HT20_Nss1,(MCS0)_4TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

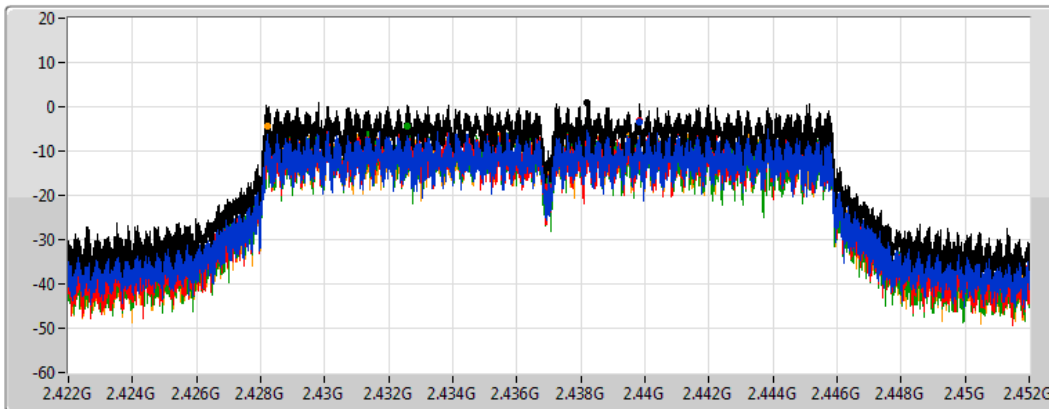
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.08	1.08	-3.33	-3.18	-4.25	-4.24

802.11n HT20_Nss1,(MCS0)_4TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

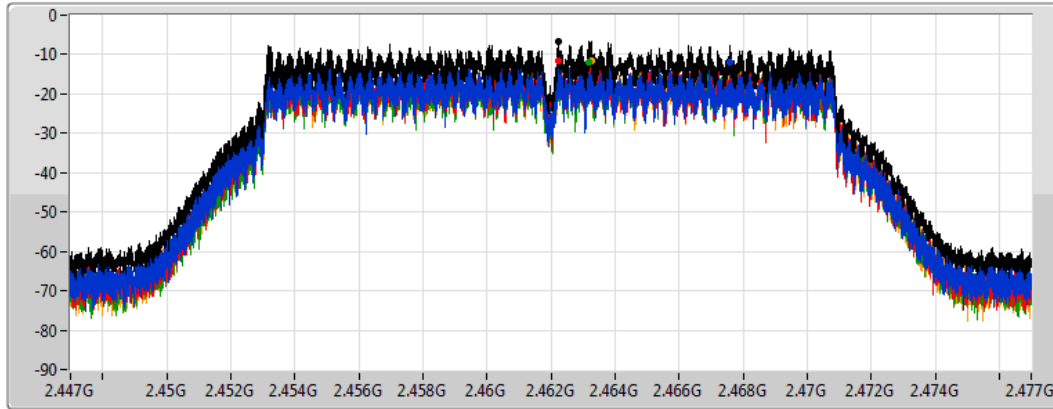
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.64	-6.64	-11.99	-11.72	-12.01	-11.75

802.11n HT40_Nss1,(MCS0)_4TX

PSD

2422MHz

29/12/2020

CF
2.422GHz

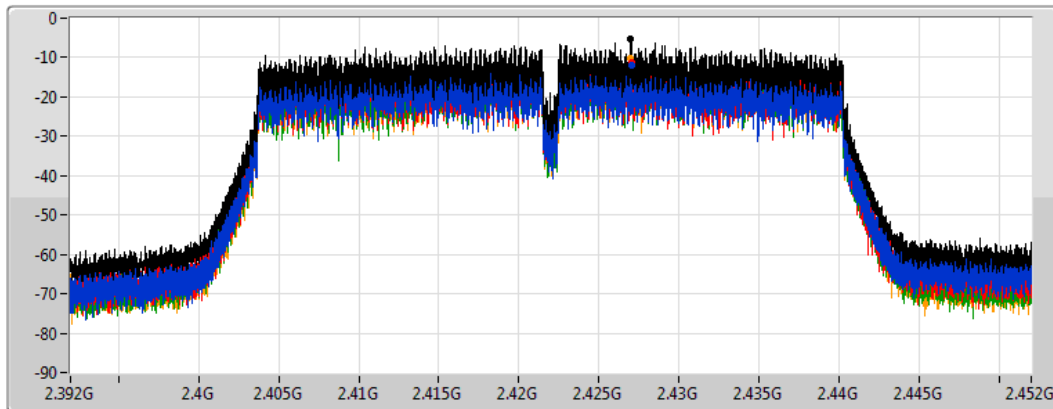
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
8.848933ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

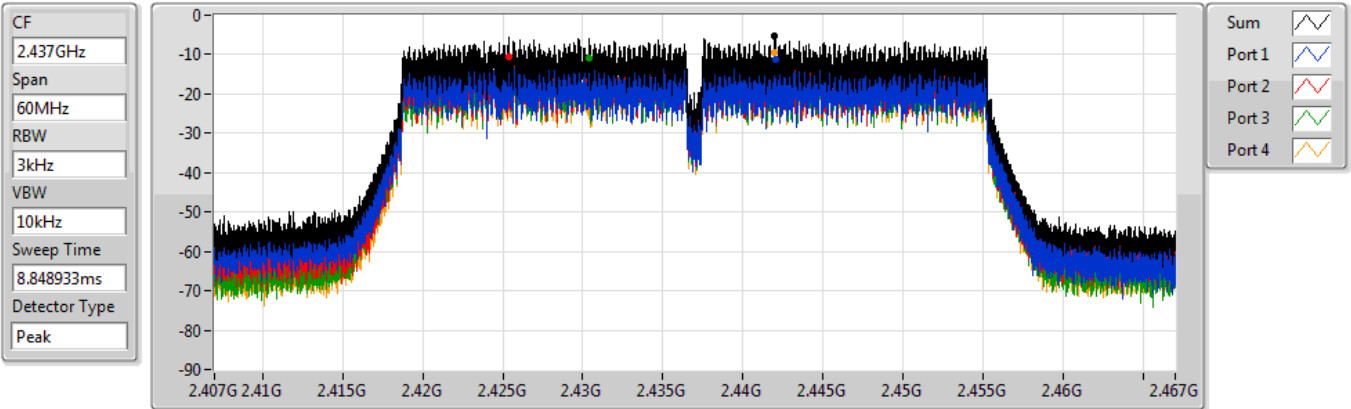
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.42	-5.42	-11.93	-11.13	-12.09	-10.18

802.11n HT40_Nss1,(MCS0)_4TX

PSD

2437MHz

29/12/2020



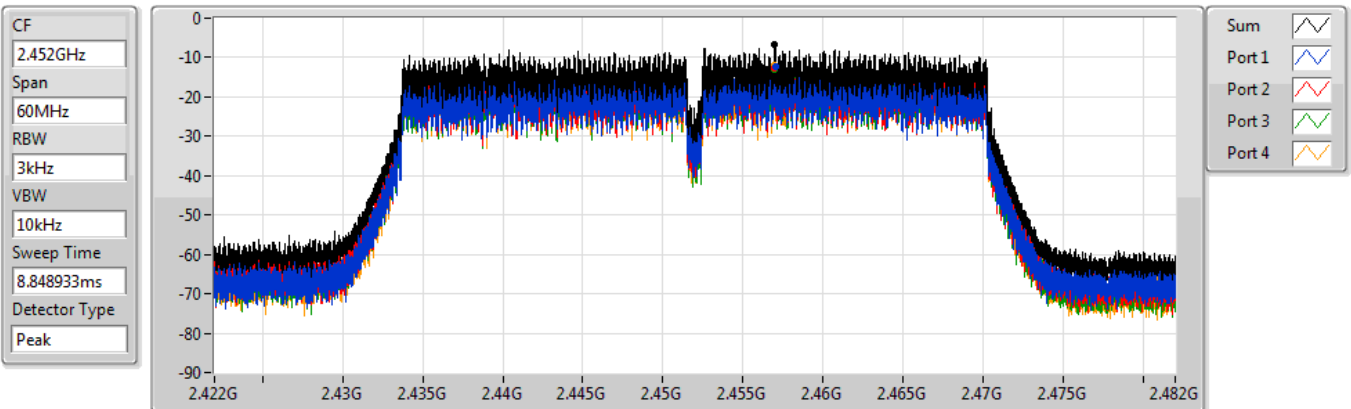
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.15	-5.15	-11.10	-10.63	-10.85	-9.51

802.11n HT40_Nss1,(MCS0)_4TX

PSD

2452MHz

29/12/2020



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.69	-6.69	-12.15	-12.56	-12.98	-11.98

VHT20_Nss1,(MCS0)_4TX

PSD

2412MHz

29/12/2020

CF
2.412GHz

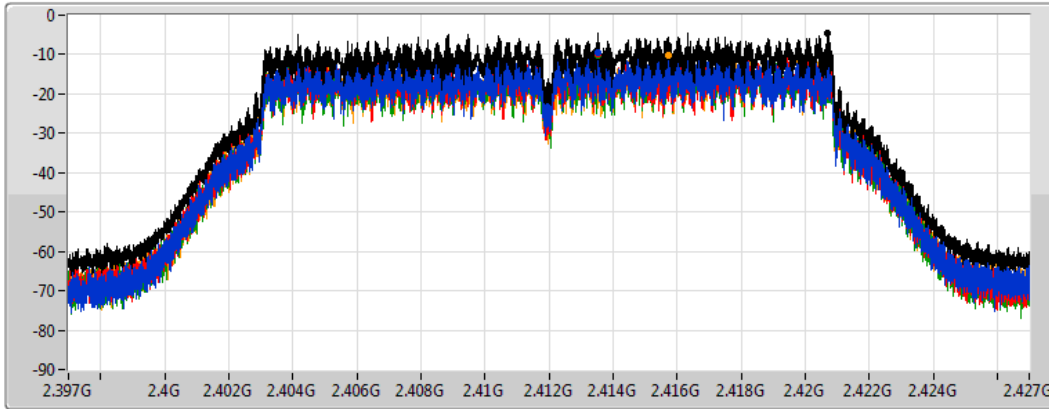
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.52	-4.52	-9.58	-9.72	-10.14	-10.12

VHT20_Nss1,(MCS0)_4TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

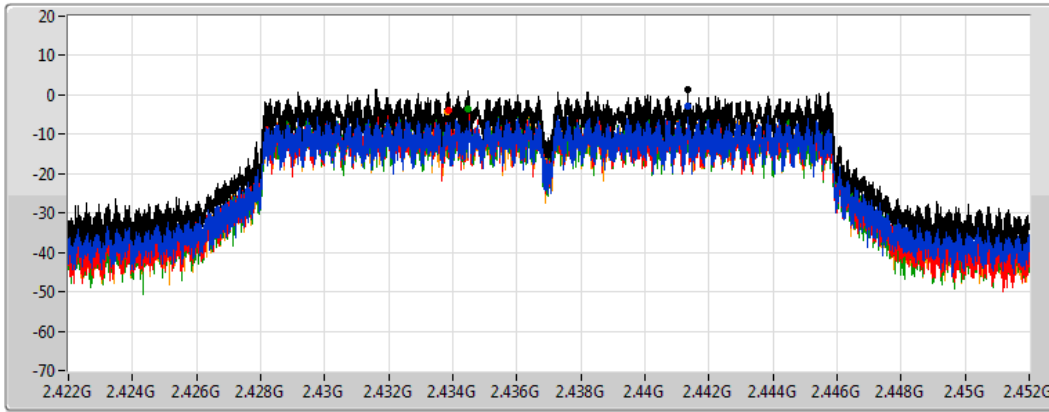
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
1.52	1.52	-2.80	-3.98	-3.53	-4.17

VHT20_Nss1,(MCS0)_4TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

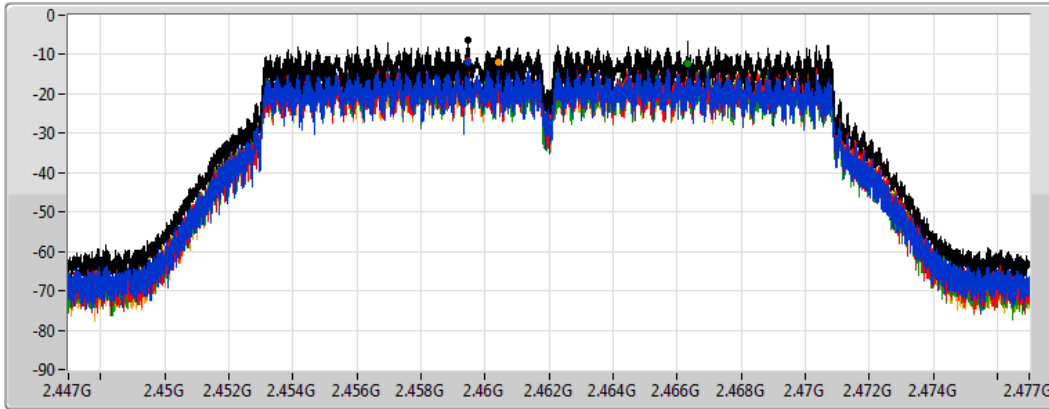
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.49	-6.49	-11.95	-11.74	-12.25	-11.85

VHT40_Nss1,(MCS0)_4TX

PSD

2422MHz

29/12/2020

CF
2.422GHz

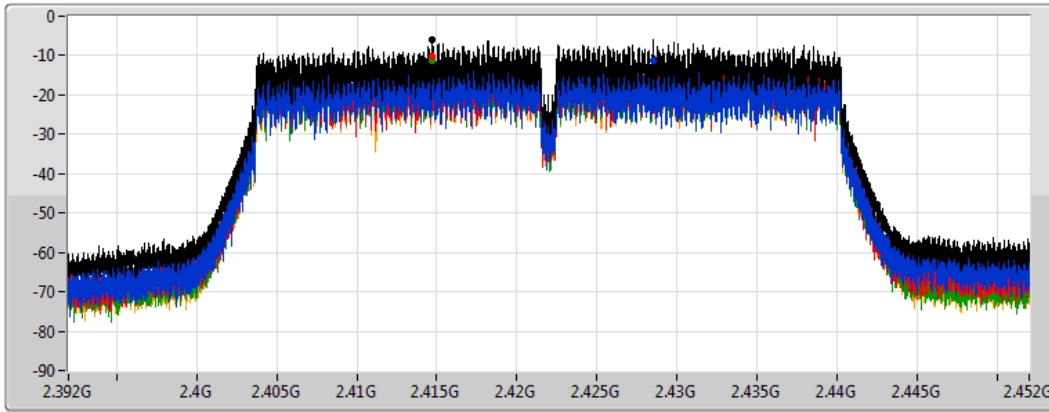
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
8.848933ms


Detector Type
Peak




Sum 

Port 1 

Port 2 

Port 3 

Port 4 

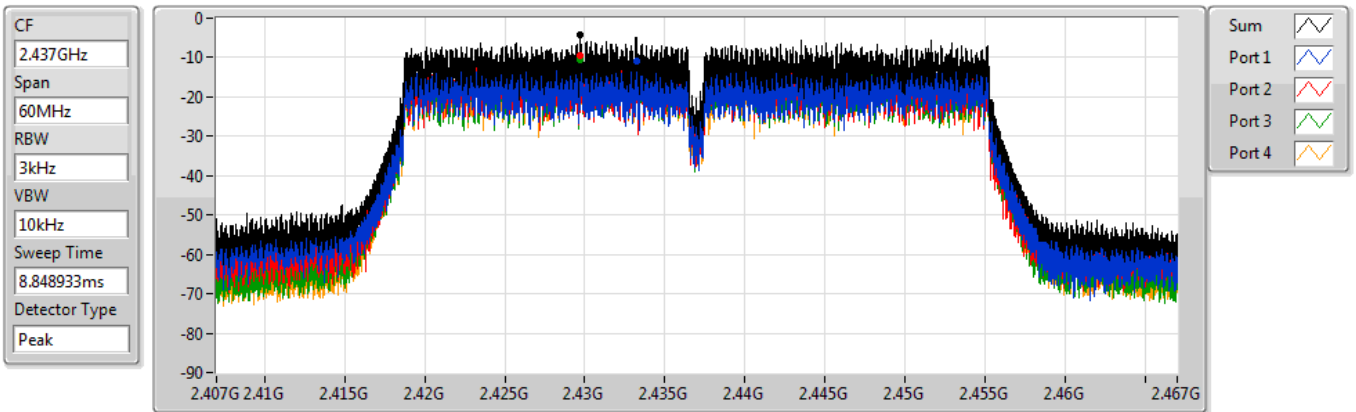
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.86	-5.86	-11.16	-10.34	-11.27	-11.37

VHT40_Nss1,(MCS0)_4TX

PSD

2437MHz

29/12/2020



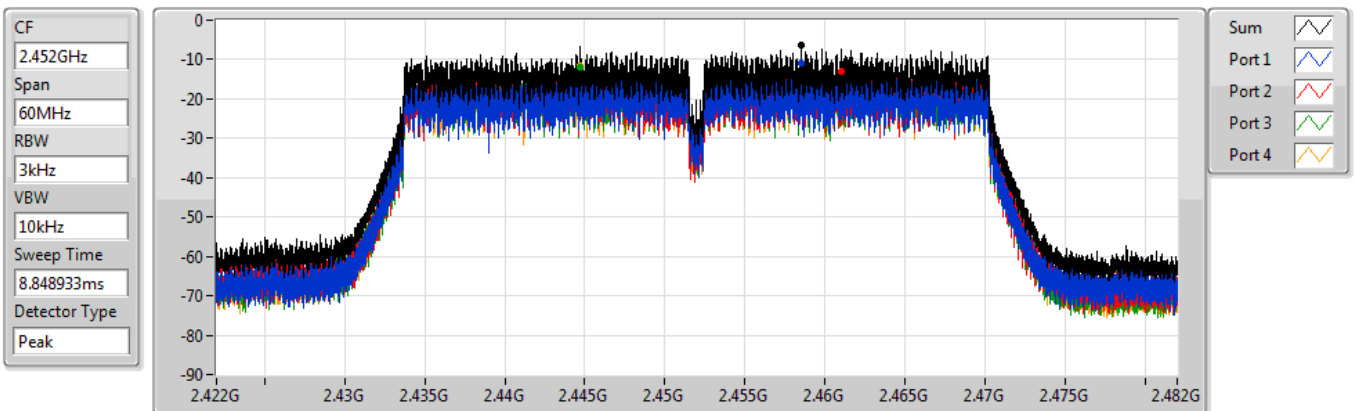
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.26	-4.26	-10.81	-9.55	-10.41	-10.40

VHT40_Nss1,(MCS0)_4TX

PSD

2452MHz

29/12/2020



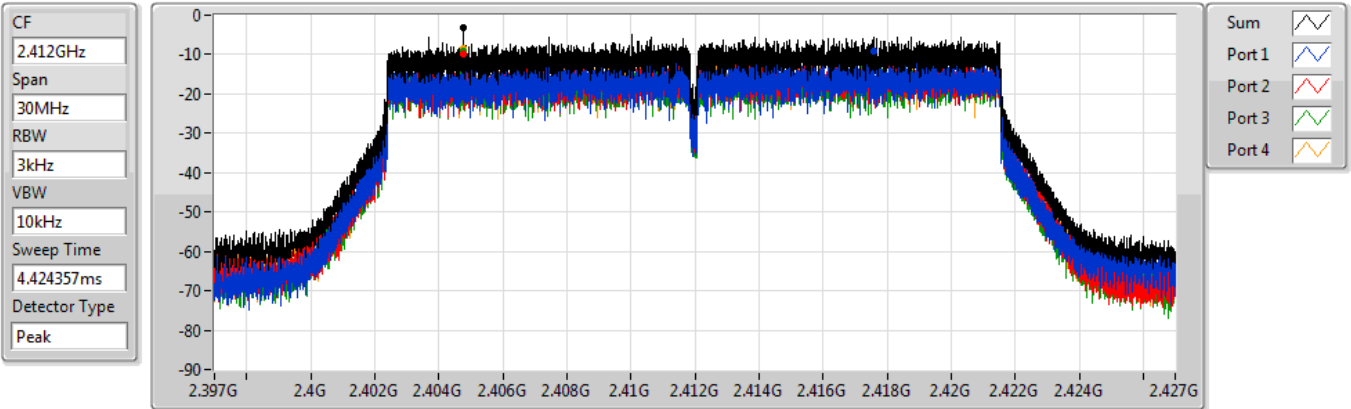
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.38	-6.38	-11.05	-13.12	-11.81	-11.72

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2412MHz

29/12/2020



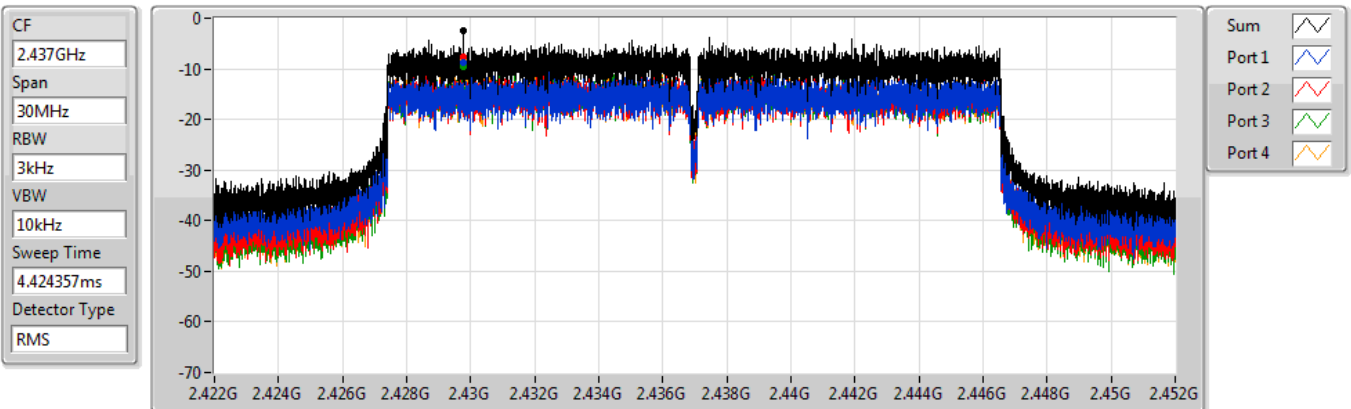
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.20	-3.20	-9.25	-9.76	-9.12	-8.58

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2437MHz

29/12/2020



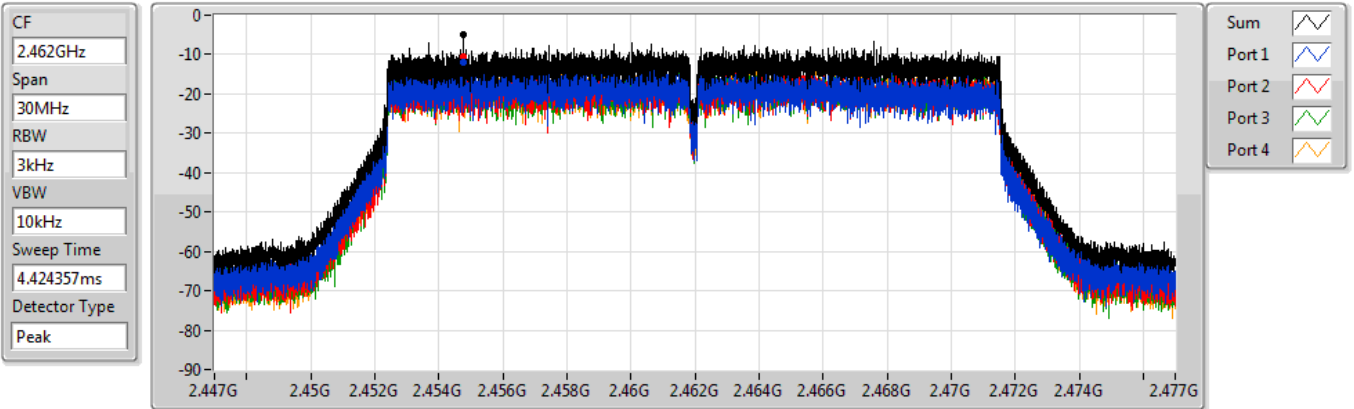
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.54	-2.54	-8.75	-7.53	-9.56	-8.56

802.11ax HEW20_Nss1,(MCS0)_4TX

PSD

2462MHz

29/12/2020



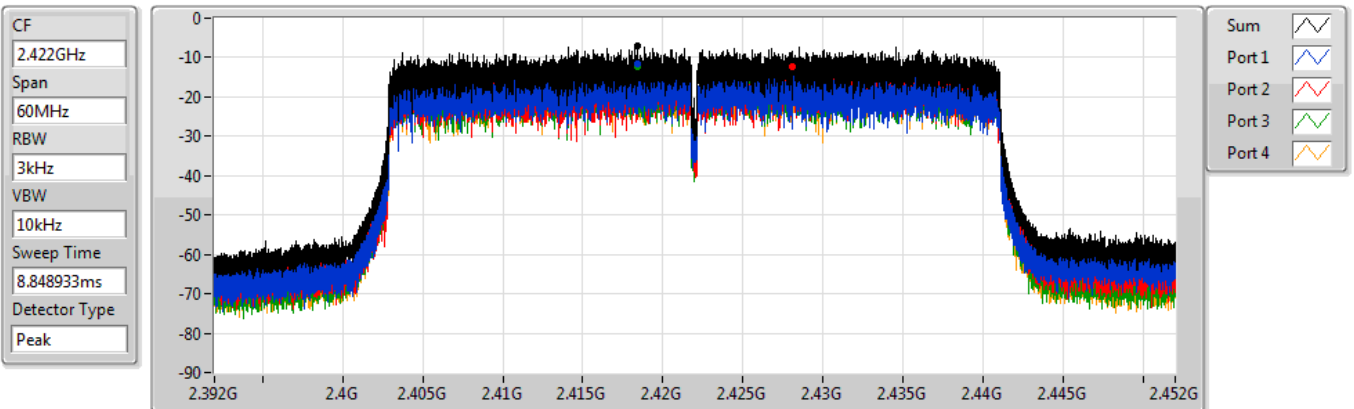
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.90	-4.90	-12.09	-10.61	-10.68	-10.47

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2422MHz

29/12/2020



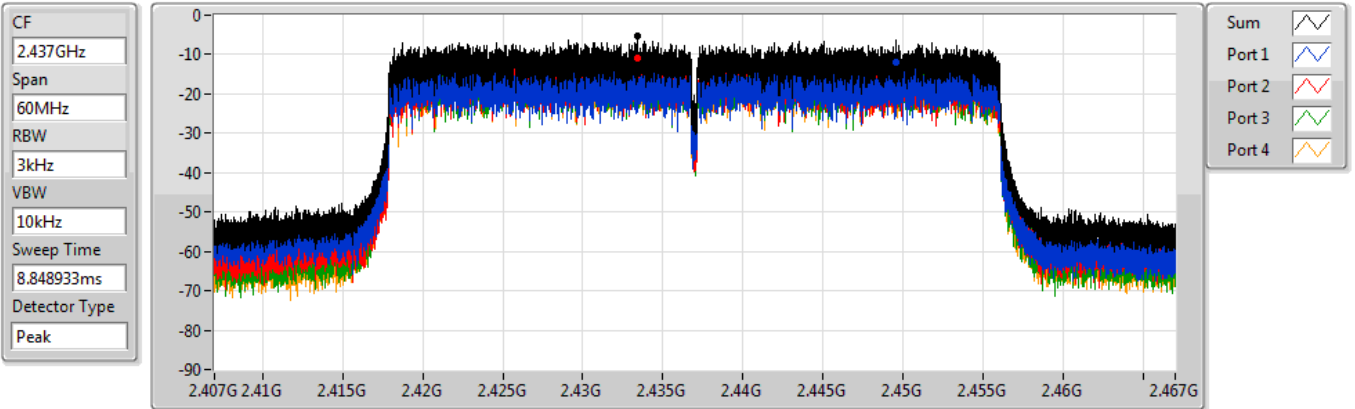
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-11.65	-12.26	-12.24	-11.65

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2437MHz

29/12/2020



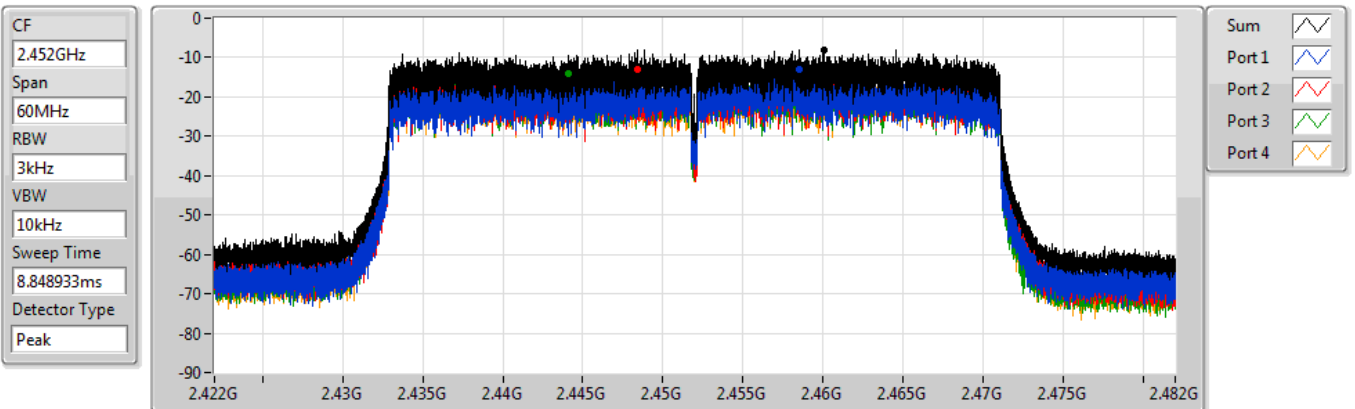
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.18	-5.18	-11.79	-10.80	-11.04	-10.75

802.11ax HEW40_Nss1,(MCS0)_4TX

PSD

2452MHz

29/12/2020



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.99	-7.99	-13.11	-13.01	-14.18	-13.11



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	3.76
802.11g_Nss1,(6Mbps)_2TX	-1.59
802.11n HT20_Nss1,(MCS0)_2TX	-1.83
802.11n HT40_Nss1,(MCS0)_2TX	-6.84
VHT20_Nss1,(MCS0)_2TX	-1.81
VHT40_Nss1,(MCS0)_2TX	-6.88
802.11ax HEW20_Nss1,(MCS0)_2TX	-2.31
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.34

RBW = 3kHz;



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	7.91	2.06	2.59	3.76	6.09
2437MHz	Pass	7.91	0.85	1.08	3.18	6.09
2462MHz	Pass	7.91	-1.68	-0.88	0.12	6.09
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.91	-7.98	-7.93	-4.98	6.09
2437MHz	Pass	7.91	-4.55	-4.31	-1.59	6.09
2462MHz	Pass	7.91	-8.69	-8.09	-5.81	6.09
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.91	-9.53	-9.03	-6.45	6.09
2437MHz	Pass	7.91	-3.77	-4.56	-1.83	6.09
2462MHz	Pass	7.91	-10.70	-10.22	-7.47	6.09
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.91	-12.24	-11.33	-9.01	6.09
2437MHz	Pass	7.91	-10.48	-9.30	-6.84	6.09
2452MHz	Pass	7.91	-10.85	-11.10	-7.97	6.09
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.91	-10.08	-9.86	-7.14	6.09
2437MHz	Pass	7.91	-5.02	-4.02	-1.81	6.09
2462MHz	Pass	7.91	-11.17	-10.43	-8.30	6.09
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.91	-11.50	-11.50	-8.52	6.09
2437MHz	Pass	7.91	-10.60	-9.26	-6.88	6.09
2452MHz	Pass	7.91	-10.61	-10.96	-8.13	6.09
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.91	-9.70	-8.66	-6.14	6.09
2437MHz	Pass	7.91	-5.82	-3.46	-2.31	6.09
2462MHz	Pass	7.91	-10.62	-10.05	-7.32	6.09
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.91	-12.40	-12.49	-9.43	6.09
2437MHz	Pass	7.91	-11.97	-10.56	-8.34	6.09
2452MHz	Pass	7.91	-12.38	-12.52	-9.74	6.09

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

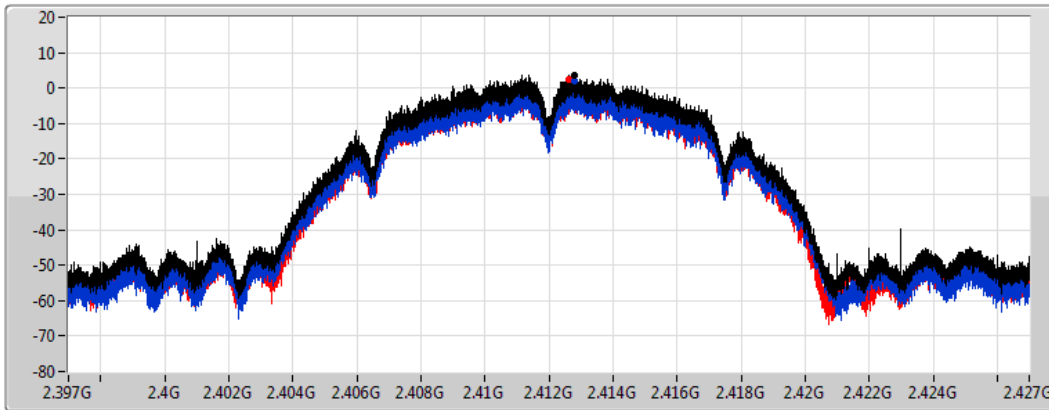
802.11b_Nss1,(1Mbps)_2TX




PSD

2412MHz

29/12/2020

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.76	3.76	2.06	2.59

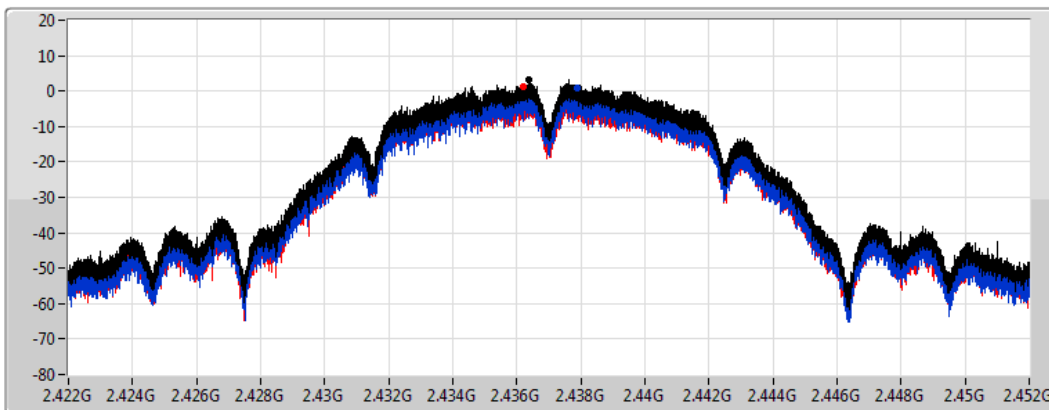
802.11b_Nss1,(1Mbps)_2TX




PSD

2437MHz

29/12/2020

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
3.18	3.18	0.85	1.08

802.11b_Nss1,(1Mbps)_2TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

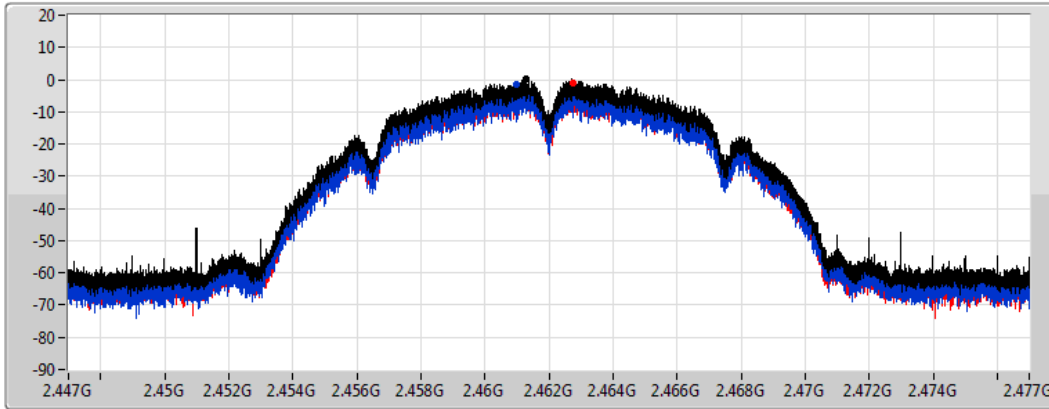
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
0.12	0.12	-1.68	-0.88

802.11g_Nss1,(6Mbps)_2TX

PSD

2412MHz

29/12/2020

CF
2.412GHz

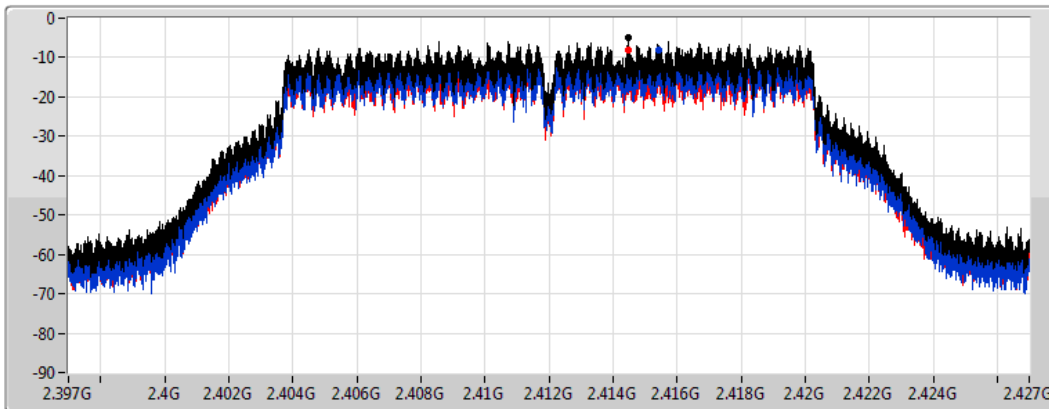
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.98	-4.98	-7.98	-7.93

802.11g_Nss1,(6Mbps)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

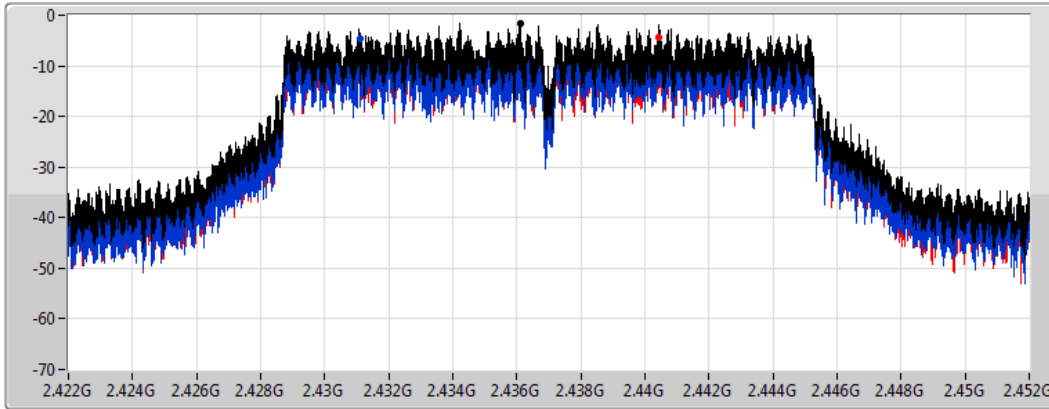
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.59	-1.59	-4.55	-4.31

802.11g_Nss1,(6Mbps)_2TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

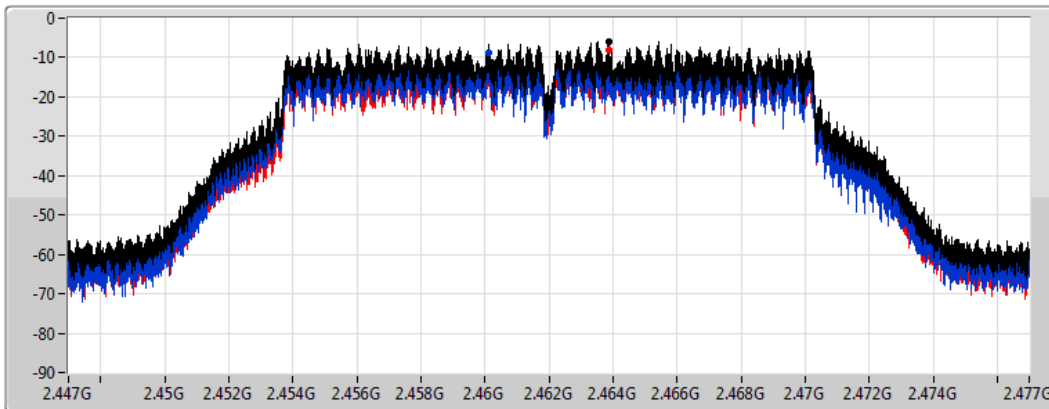
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.81	-5.81	-8.69	-8.09

802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

29/12/2020

CF
2.412GHz

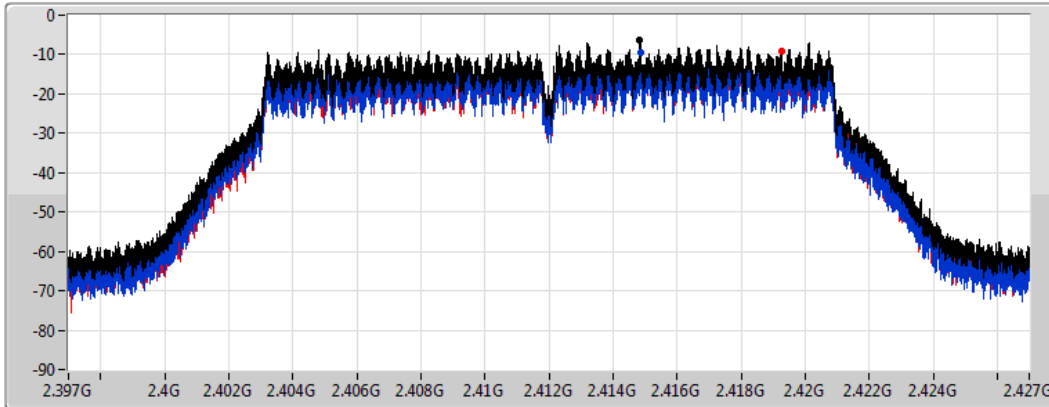
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.45	-6.45	-9.53	-9.03

802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

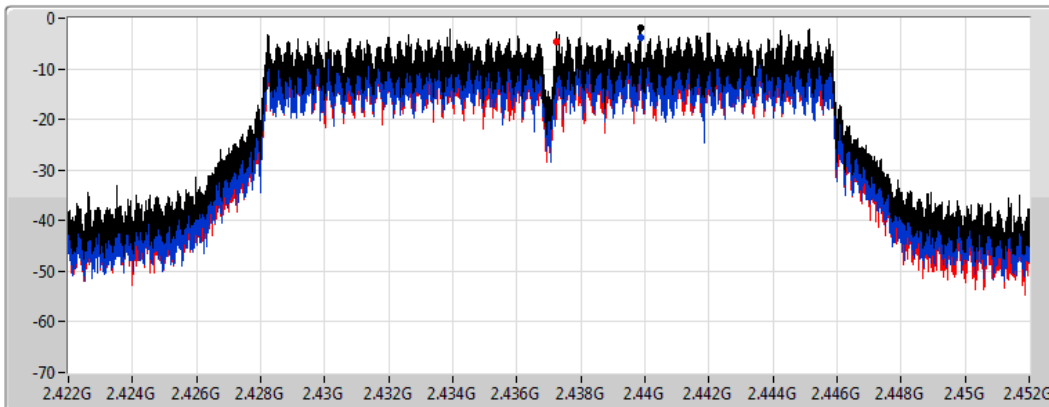
Span
30MHz

RBW
3kHz

VBW
10kHz

Sweep Time
4.424357ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.83	-1.83	-3.77	-4.56

802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

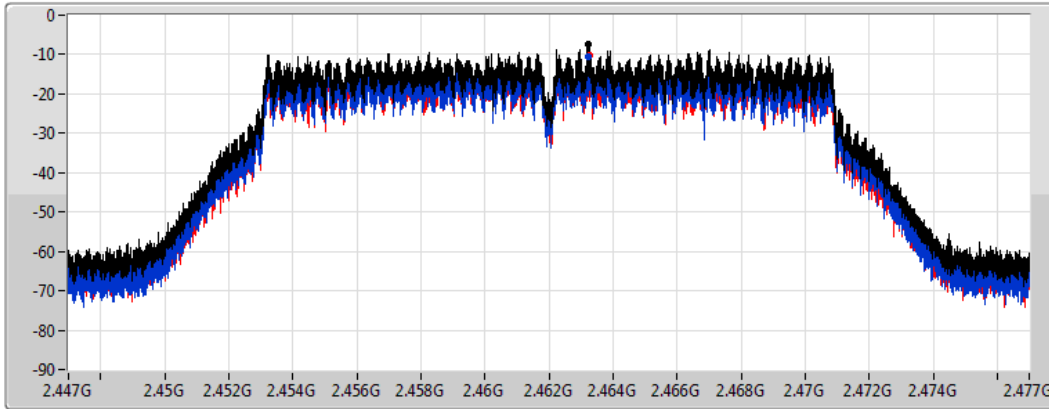
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.47	-7.47	-10.70	-10.22

802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

29/12/2020

CF
2.422GHz

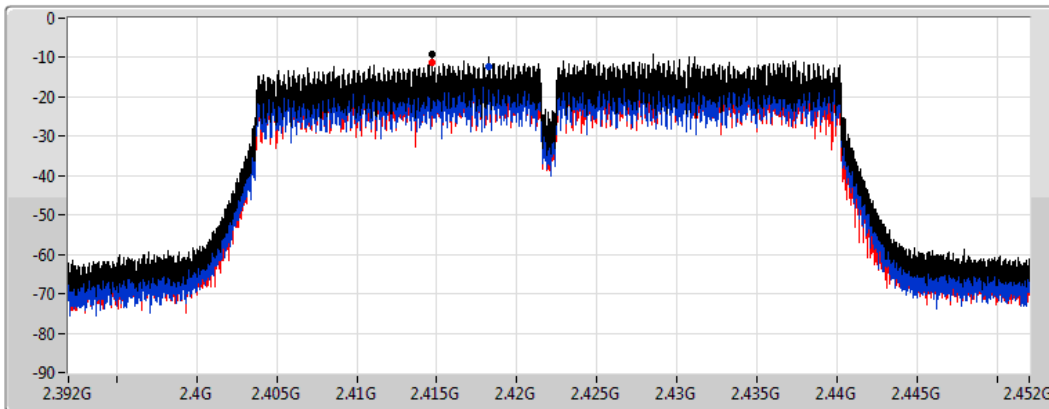
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
8.848933ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.01	-9.01	-12.24	-11.33

802.11n HT40_Nss1,(MCS0)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

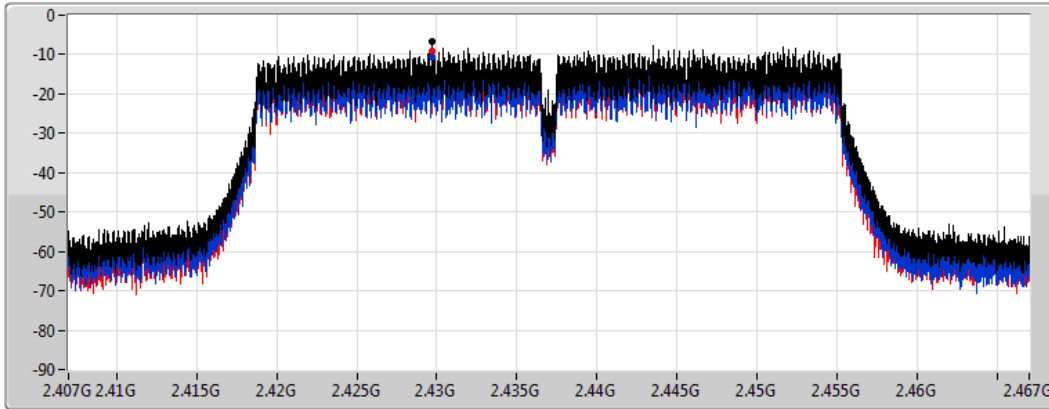
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
8.848933ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.84	-6.84	-10.48	-9.30

802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz

29/12/2020

CF
2.452GHz

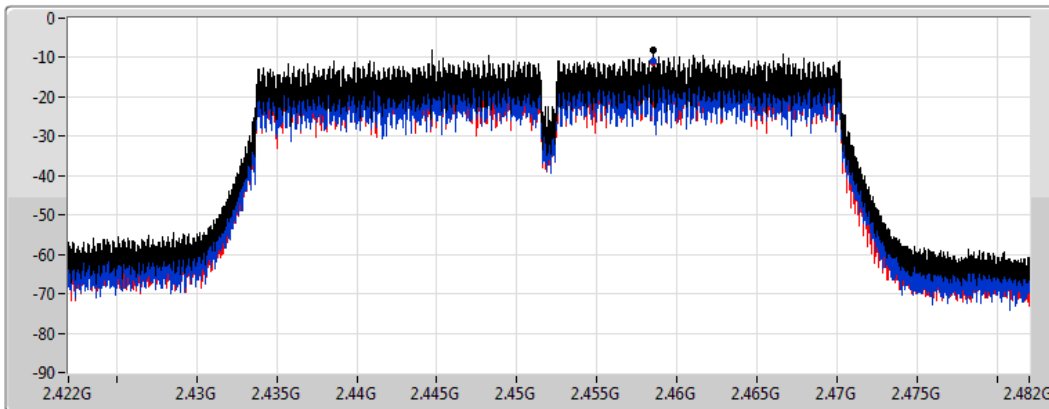
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
8.848933ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.97	-7.97	-10.85	-11.10

VHT20_Nss1,(MCS0)_2TX

PSD

2412MHz

29/12/2020

CF
2.412GHz

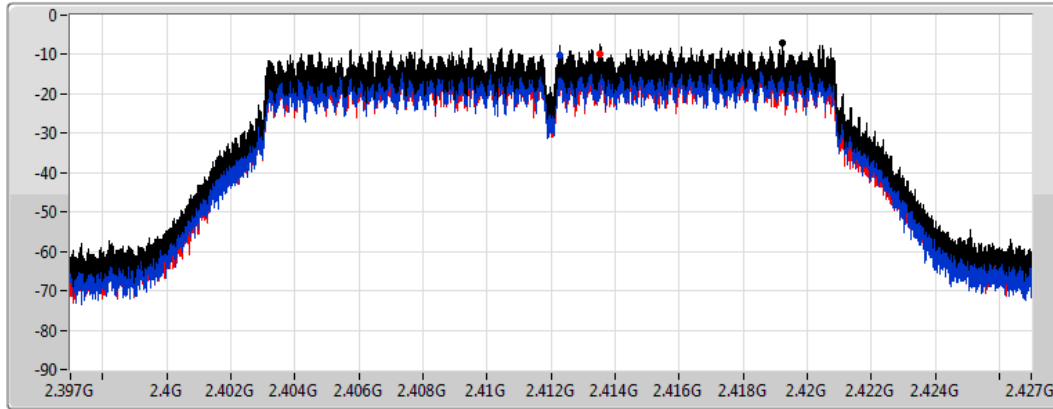
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.14	-7.14	-10.08	-9.86

VHT20_Nss1,(MCS0)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

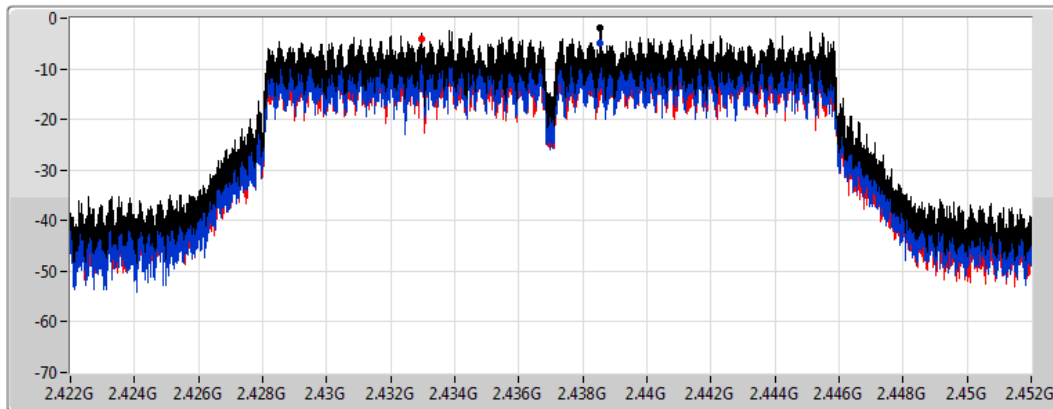
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.81	-1.81	-5.02	-4.02

VHT20_Nss1,(MCS0)_2TX

PSD

2462MHz

29/12/2020

CF
2.462GHz

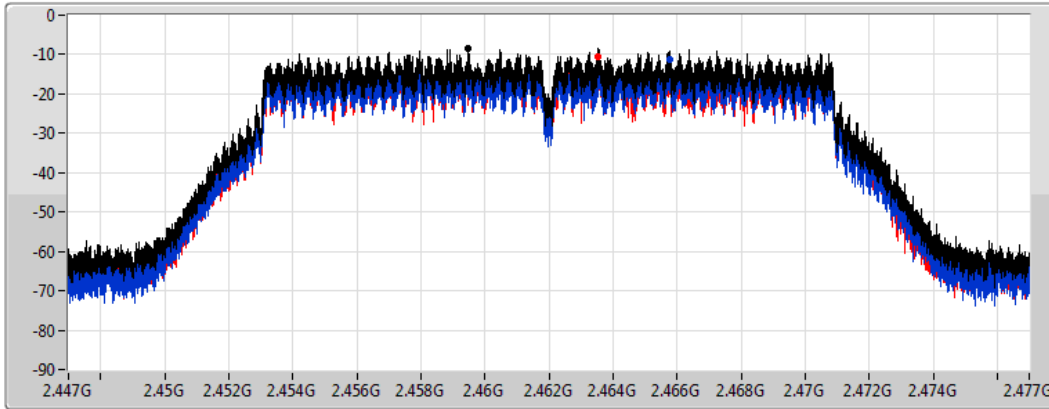
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
4.424357ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.30	-8.30	-11.17	-10.43

VHT40_Nss1,(MCS0)_2TX

PSD

2422MHz

29/12/2020

CF
2.422GHz

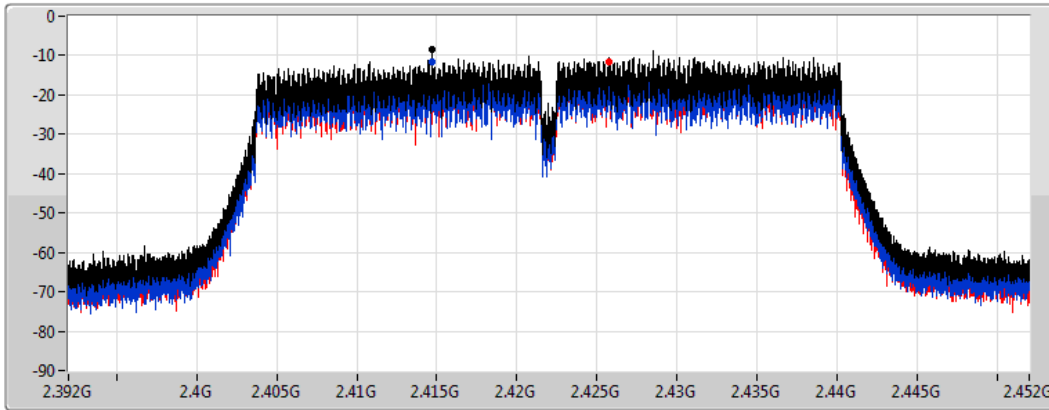
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
8.848933ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.52	-8.52	-11.50	-11.50

VHT40_Nss1,(MCS0)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

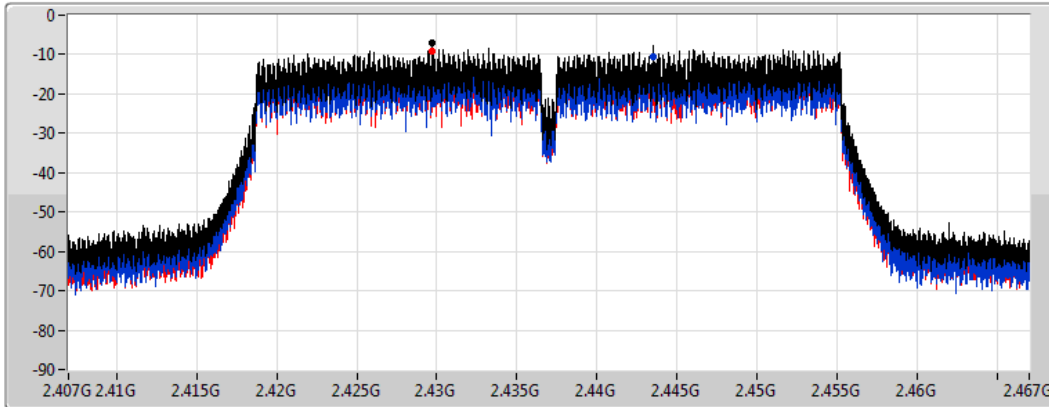
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.88	-6.88	-10.60	-9.26

VHT40_Nss1,(MCS0)_2TX

PSD

2452MHz

29/12/2020

CF
2.452GHz

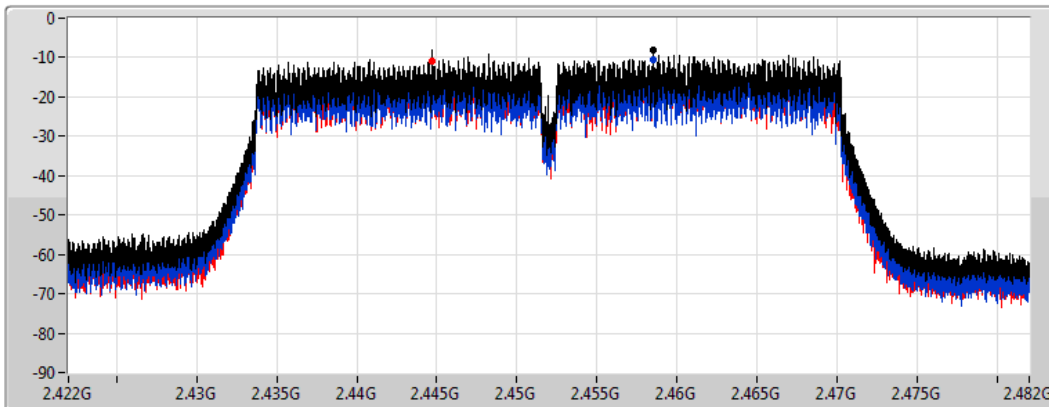
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.13	-8.13	-10.61	-10.96

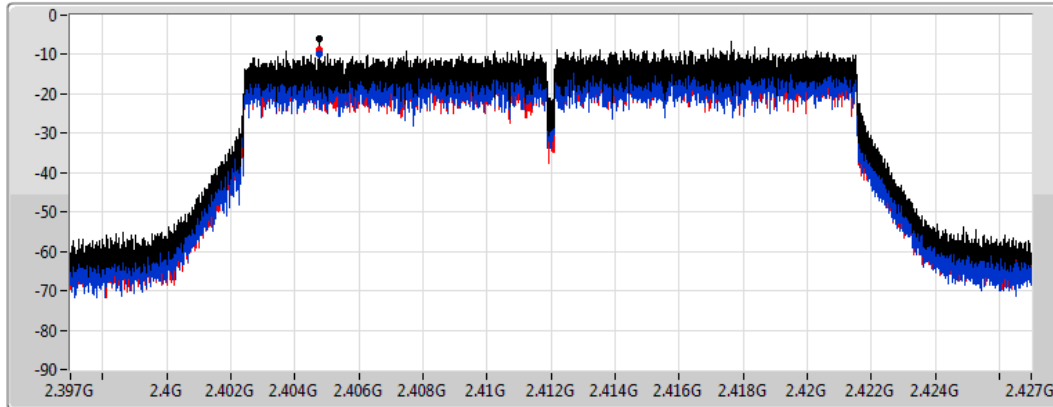
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2412MHz

29/12/2020

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.14	-6.14	-9.70	-8.66

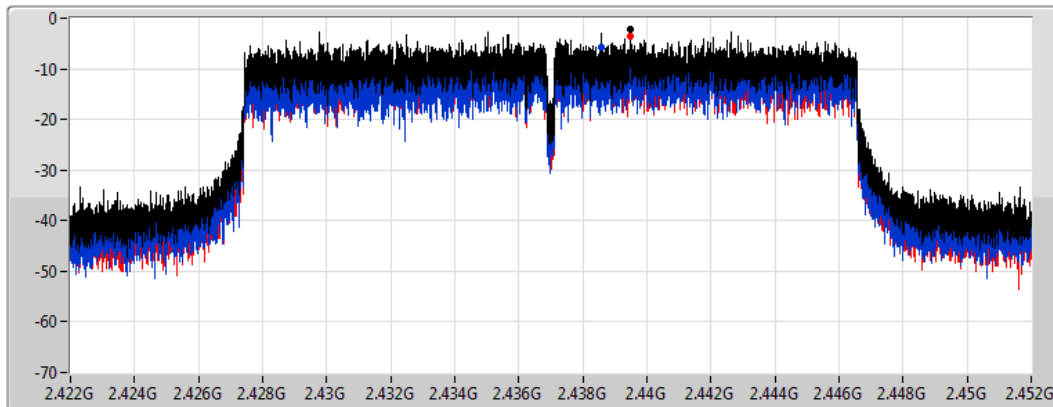
802.11ax HEW20_Nss1,(MCS0)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.31	-2.31	-5.82	-3.46

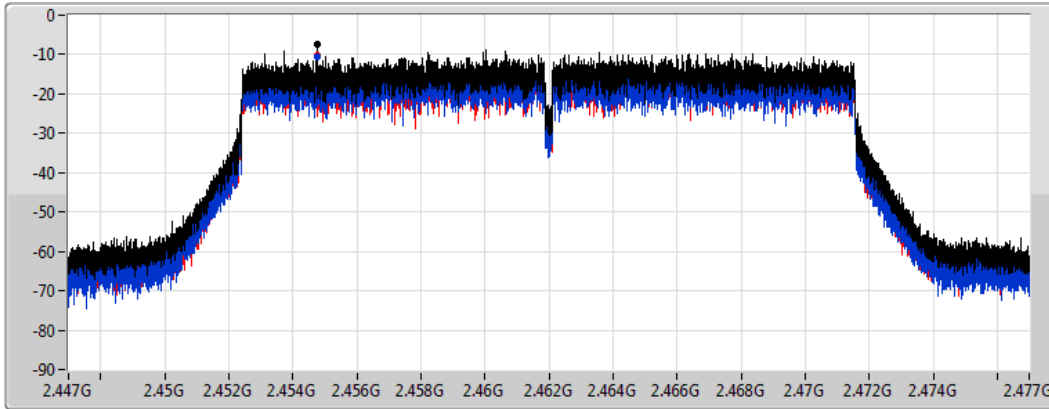
802.11ax HEW20_Nss1,(MCS0)_2TX




PSD

2462MHz

29/12/2020

CF
2.462GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
4.424357ms
Detector Type
Peak



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.32	-7.32	-10.62	-10.05

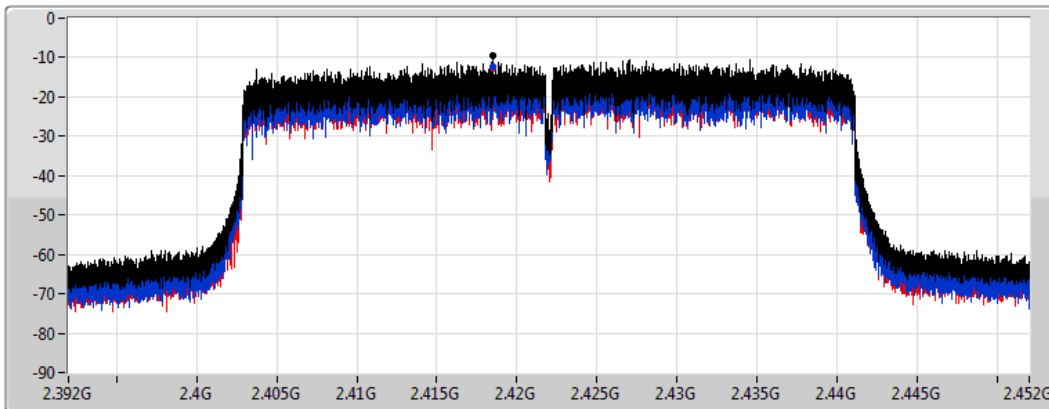
802.11ax HEW40_Nss1,(MCS0)_2TX




PSD

2422MHz

29/12/2020

CF
2.422GHz
Span
60MHz
RBW
3kHz
VBW
10kHz
Sweep Time
8.848933ms
Detector Type
Peak



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.43	-9.43	-12.40	-12.49

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2437MHz

29/12/2020

CF
2.437GHz

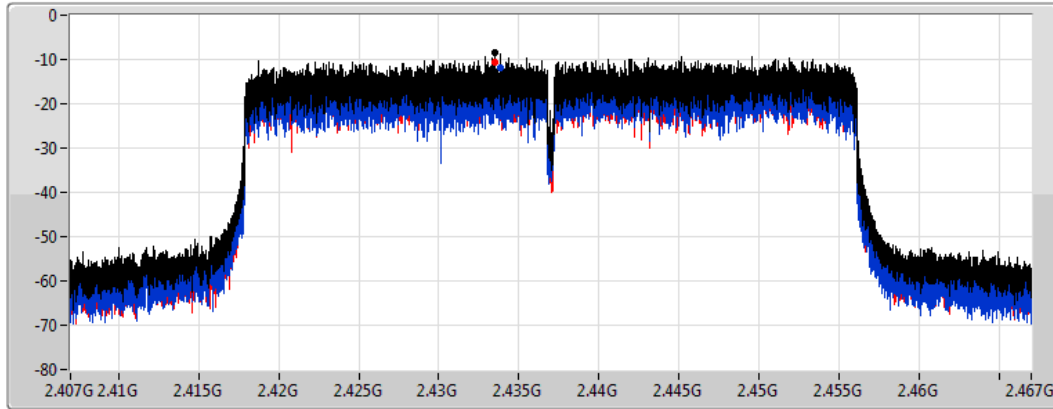
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.34	-8.34	-11.97	-10.56

802.11ax HEW40_Nss1,(MCS0)_2TX

PSD

2452MHz

29/12/2020

CF
2.452GHz

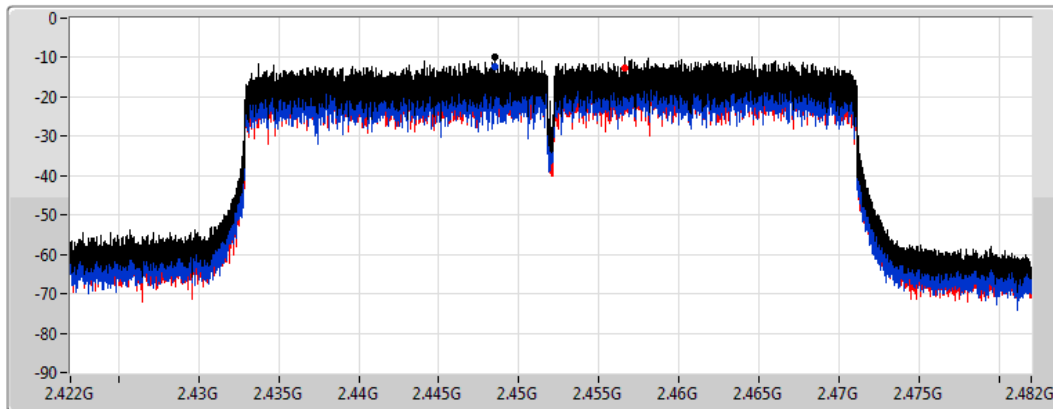
Span
60MHz

RBW
3kHz

VBW
10kHz

Sweep Time
8.848933ms

Detector Type
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.74	-9.74	-12.38	-12.52



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-2.25
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-5.48

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.00	-9.43	-8.47	-10.04	-8.71	-4.62	3.00
2437MHz	Pass	11.00	-7.53	-7.23	-8.13	-7.85	-2.25	3.00
2462MHz	Pass	11.00	-8.14	-7.85	-8.60	-8.19	-2.87	3.00
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.00	-11.35	-11.74	-11.62	-11.99	-7.26	3.00
2437MHz	Pass	11.00	-10.02	-8.26	-9.96	-10.26	-5.72	3.00
2452MHz	Pass	11.00	-9.31	-9.37	-9.87	-9.46	-5.48	3.00

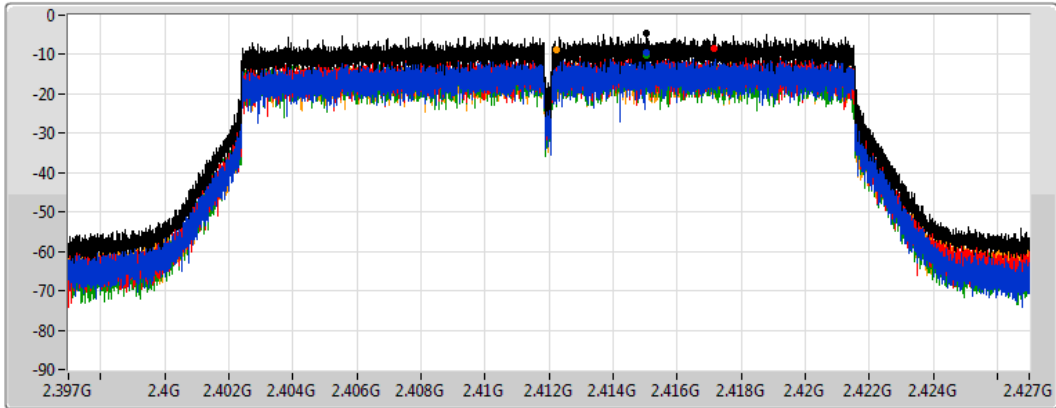
DG = Directional Gain; RBW = 3kHz;
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
2412MHz

PSD

06/01/2021

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
953.6ms
Detector Type
Peak



Sum
Port 1
Port 2
Port 3
Port 4

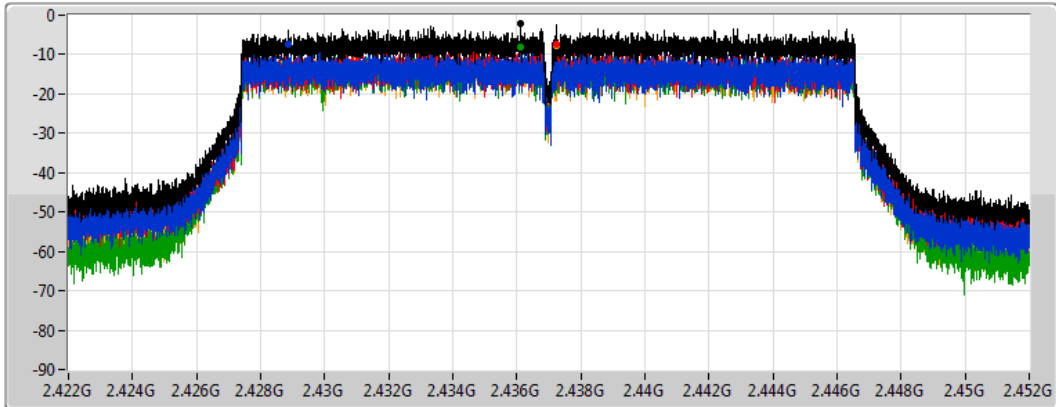
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.62	-4.62	-9.43	-8.47	-10.04	-8.71

802.11ax HEW20-BF_Nss1,(MCS0)_4TX
2437MHz

PSD

06/01/2021

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
953.6ms
Detector Type
Peak



Sum
Port 1
Port 2
Port 3
Port 4

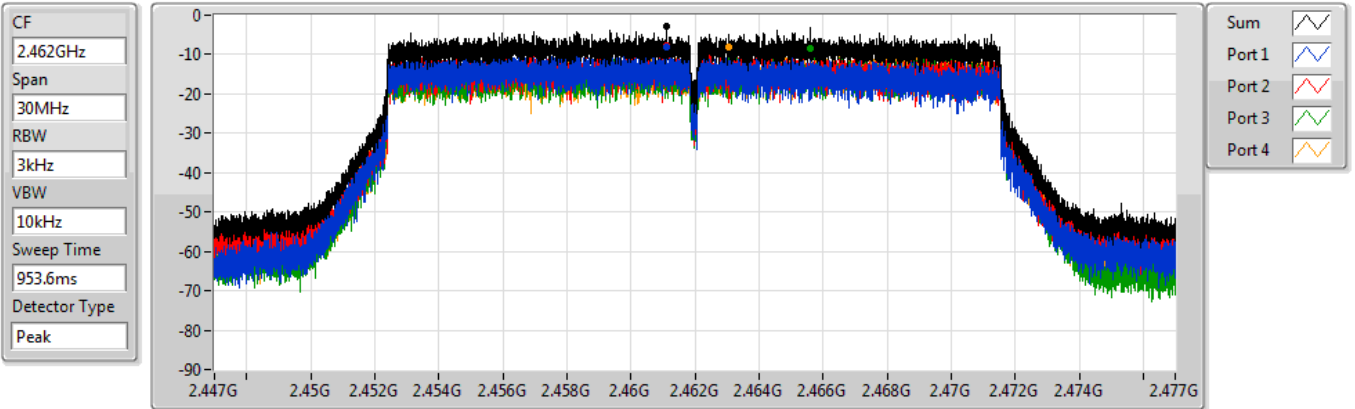
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.25	-2.25	-7.53	-7.23	-8.13	-7.85

802.11ax HEW20-BF_Nss1,(MCS0)_4TX

PSD

2462MHz

06/01/2021



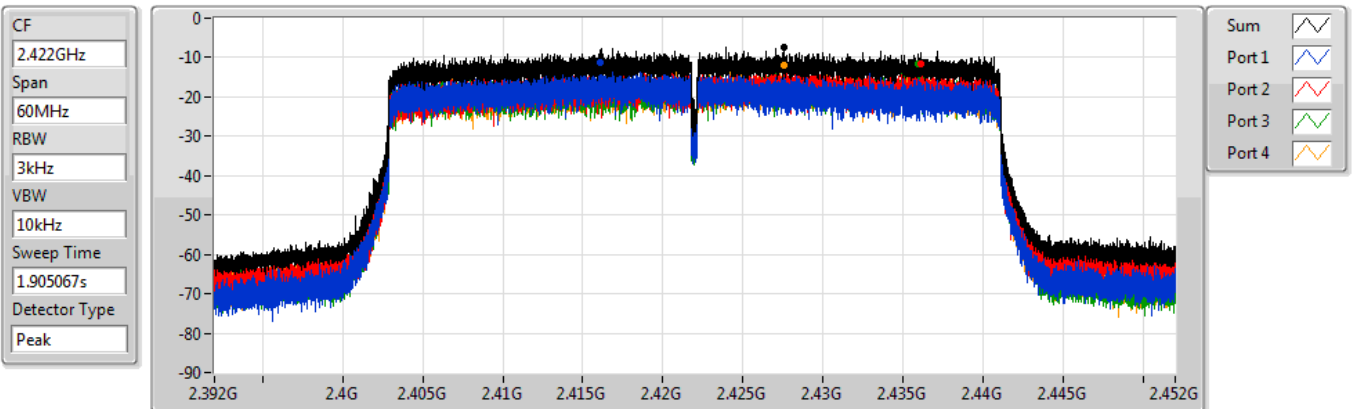
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.87	-2.87	-8.14	-7.85	-8.60	-8.19

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2422MHz

06/01/2021



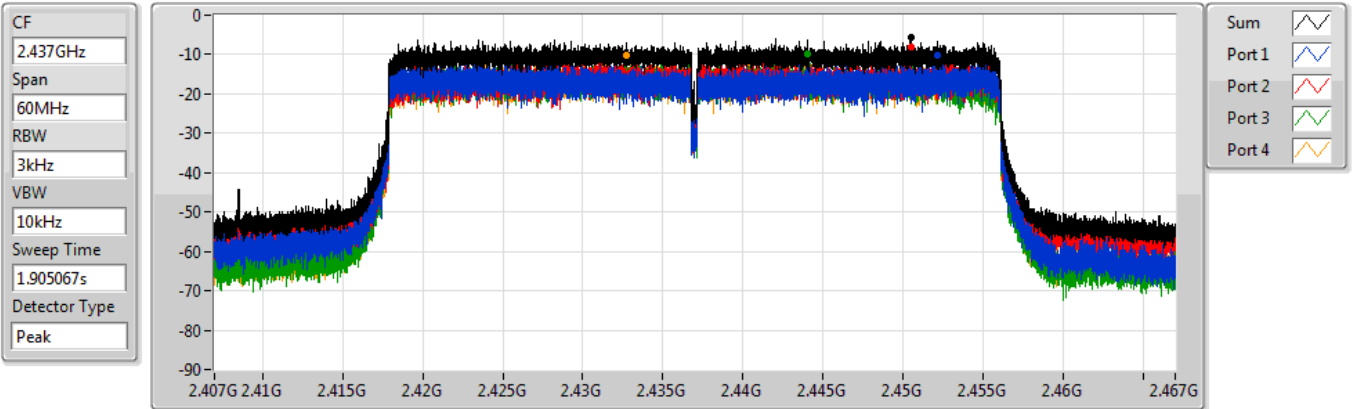
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-11.35	-11.74	-11.62	-11.99

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2437MHz

06/01/2021



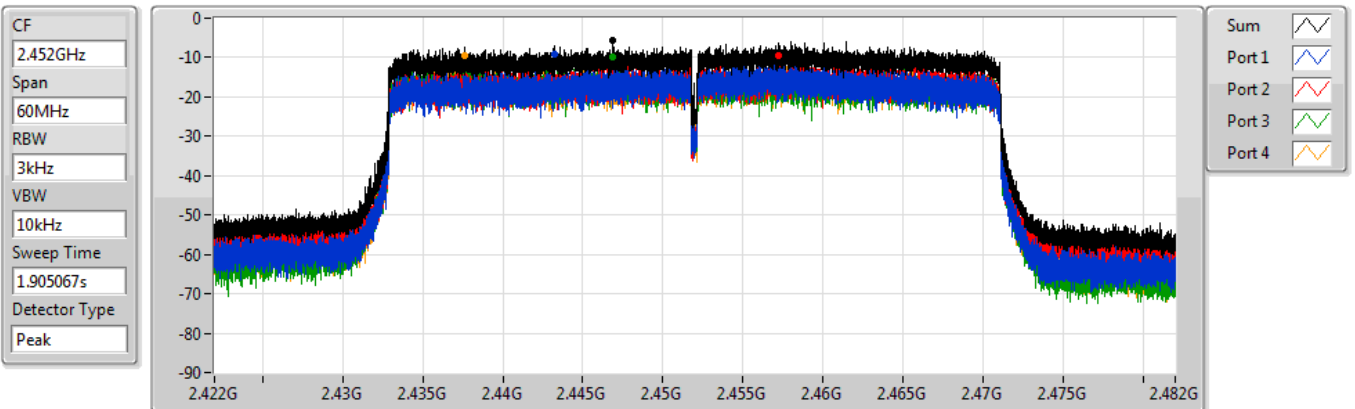
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.72	-5.72	-10.02	-8.26	-9.96	-10.26

802.11ax HEW40-BF_Nss1,(MCS0)_4TX

PSD

2452MHz

06/01/2021



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.48	-5.48	-9.31	-9.37	-9.87	-9.46



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-1.53
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-6.95

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.91	-8.52	-8.64	-6.38	6.09
2437MHz	Pass	7.91	-4.37	-3.53	-1.53	6.09
2462MHz	Pass	7.91	-9.65	-9.75	-7.07	6.09
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.91	-10.61	-11.72	-8.35	6.09
2437MHz	Pass	7.91	-9.04	-9.49	-6.95	6.09
2452MHz	Pass	7.91	-9.90	-9.12	-8.12	6.09

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

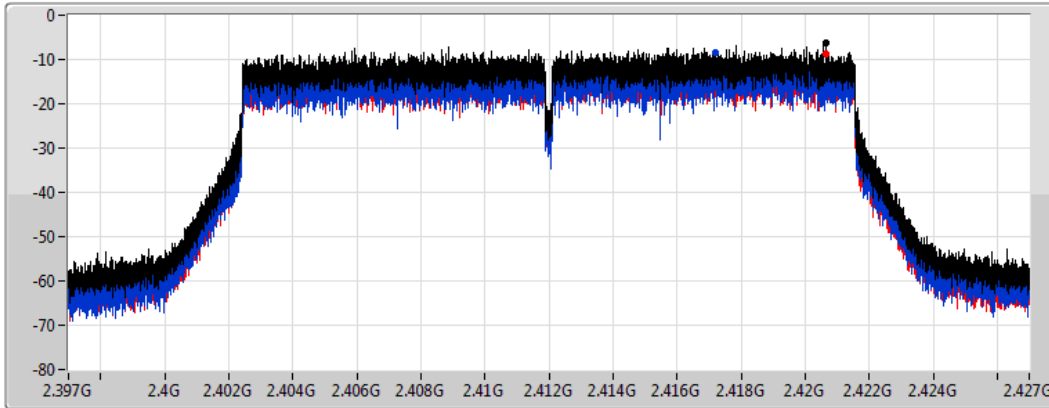
802.11ax HEW20-BF_Nss1,(MCS0)_2TX




PSD

2412MHz

12/01/2021

CF
2.412GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
953.6ms
Detector Type
Peak



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.38	-6.38	-8.52	-8.64

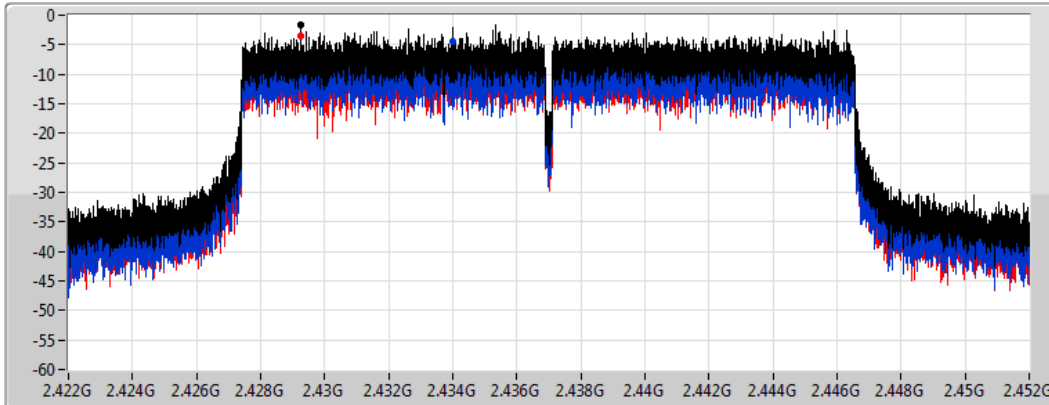
802.11ax HEW20-BF_Nss1,(MCS0)_2TX




PSD

2437MHz

12/01/2021

CF
2.437GHz
Span
30MHz
RBW
3kHz
VBW
10kHz
Sweep Time
953.6ms
Detector Type
Peak



Sum 
Port 1 
Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-1.53	-1.53	-4.37	-3.53

802.11ax HEW20-BF_Nss1,(MCS0)_2TX

PSD

2462MHz

12/01/2021

CF
2.462GHz

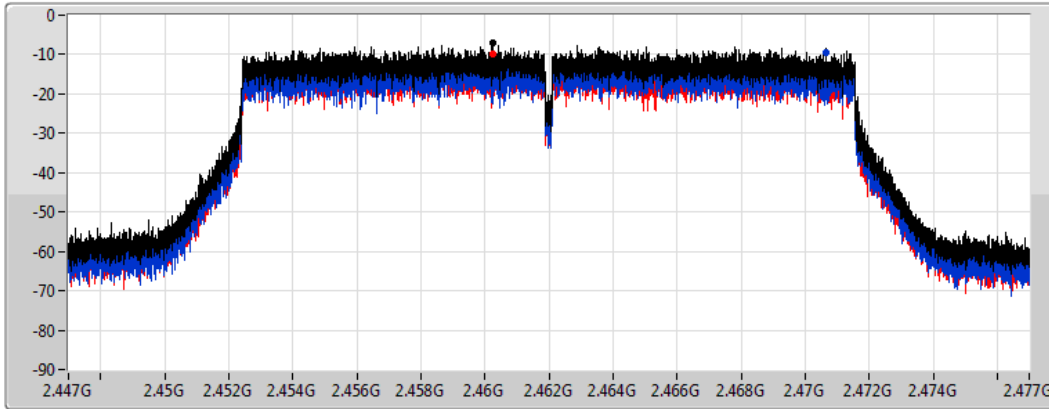
Span
30MHz


RBW
3kHz


VBW
10kHz


Sweep Time
953.6ms

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.07	-7.07	-9.65	-9.75

802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2422MHz

12/01/2021

CF
2.422GHz

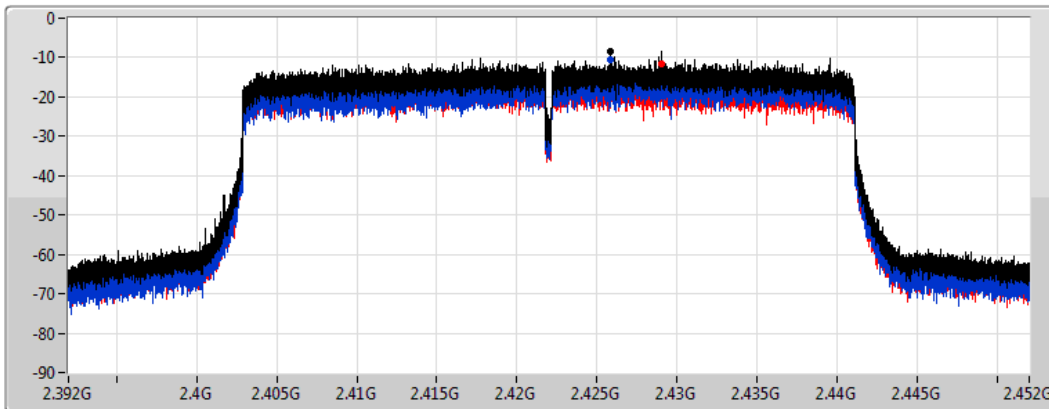
Span
60MHz


RBW
3kHz


VBW
10kHz


Sweep Time
1.905067s

Detector Type
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.35	-8.35	-10.61	-11.72

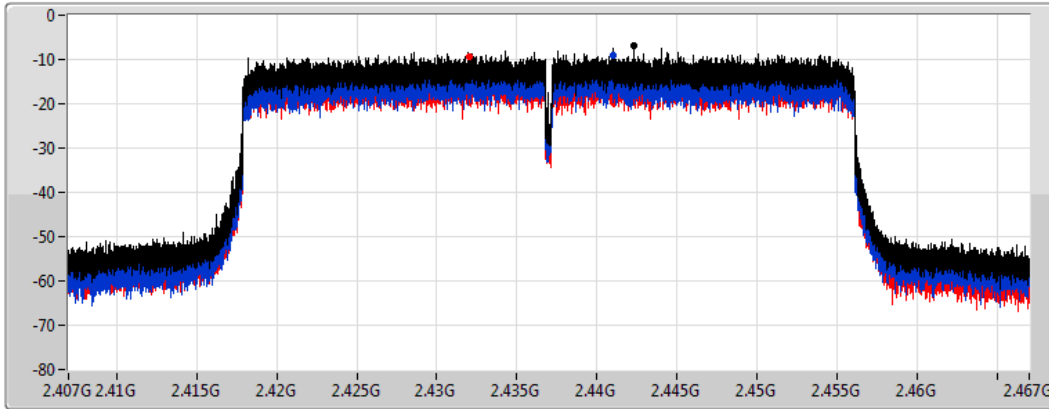
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2437MHz

12/01/2021

CF
2.437GHz
Span
60MHz
RBW
3kHz
VBW
10kHz
Sweep Time
1.905067s
Detector Type
Peak



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.95	-6.95	-9.04	-9.49

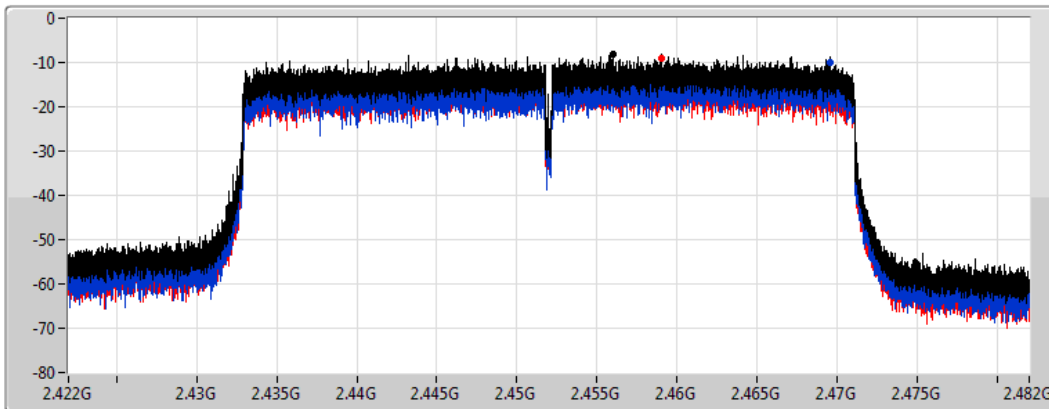
802.11ax HEW40-BF_Nss1,(MCS0)_2TX

PSD

2452MHz

12/01/2021

CF
2.452GHz
Span
60MHz
RBW
3kHz
VBW
10kHz
Sweep Time
1.905067s
Detector Type
Peak



Sum
Port 1
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.12	-8.12	-9.90	-9.12



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)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.46246G	16.69	-13.31	2.08972G	-54.58	2.39898G	-34.10	2.4G	-38.57	2.48352G	-49.66	15.16934G	-41.09	2
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43198G	11.23	-18.77	1.97351G	-54.25	2.3998G	-33.99	2.4G	-35.75	2.48428G	-51.90	15.22272G	-42.16	2
802.11n HT20_Nss1,(MCS0)_4TX	Pass	2.43069G	10.83	-19.17	2.15292G	-54.61	2.39906G	-39.58	2.4G	-40.08	2.48602G	-44.50	15.2171G	-41.27	1
802.11n HT40_Nss1,(MCS0)_4TX	Pass	2.43194G	4.18	-25.82	753.93M	-54.96	2.39884G	-41.43	2.4G	-43.96	2.4839G	-48.37	24.99159G	-42.17	1
VHT20_Nss1,(MCS0)_4TX	Pass	2.43069G	10.95	-19.05	2.03351G	-54.22	2.3998G	-38.09	2.4G	-40.57	2.48386G	-45.10	15.21148G	-42.17	1
VHT40_Nss1,(MCS0)_4TX	Pass	2.43198G	4.18	-25.82	829.21M	-53.79	2.39964G	-36.40	2.4G	-42.67	2.4839G	-46.26	24.76442G	-41.78	1
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.44446G	11.03	-18.97	1.8806G	-53.67	2.4G	-36.44	2.4G	-41.13	2.48468G	-43.37	15.20306G	-41.67	1
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.45198G	4.13	-25.87	2.10989G	-54.54	2.39636G	-40.03	2.4G	-41.76	2.48354G	-46.98	15.23171G	-42.16	1



Result

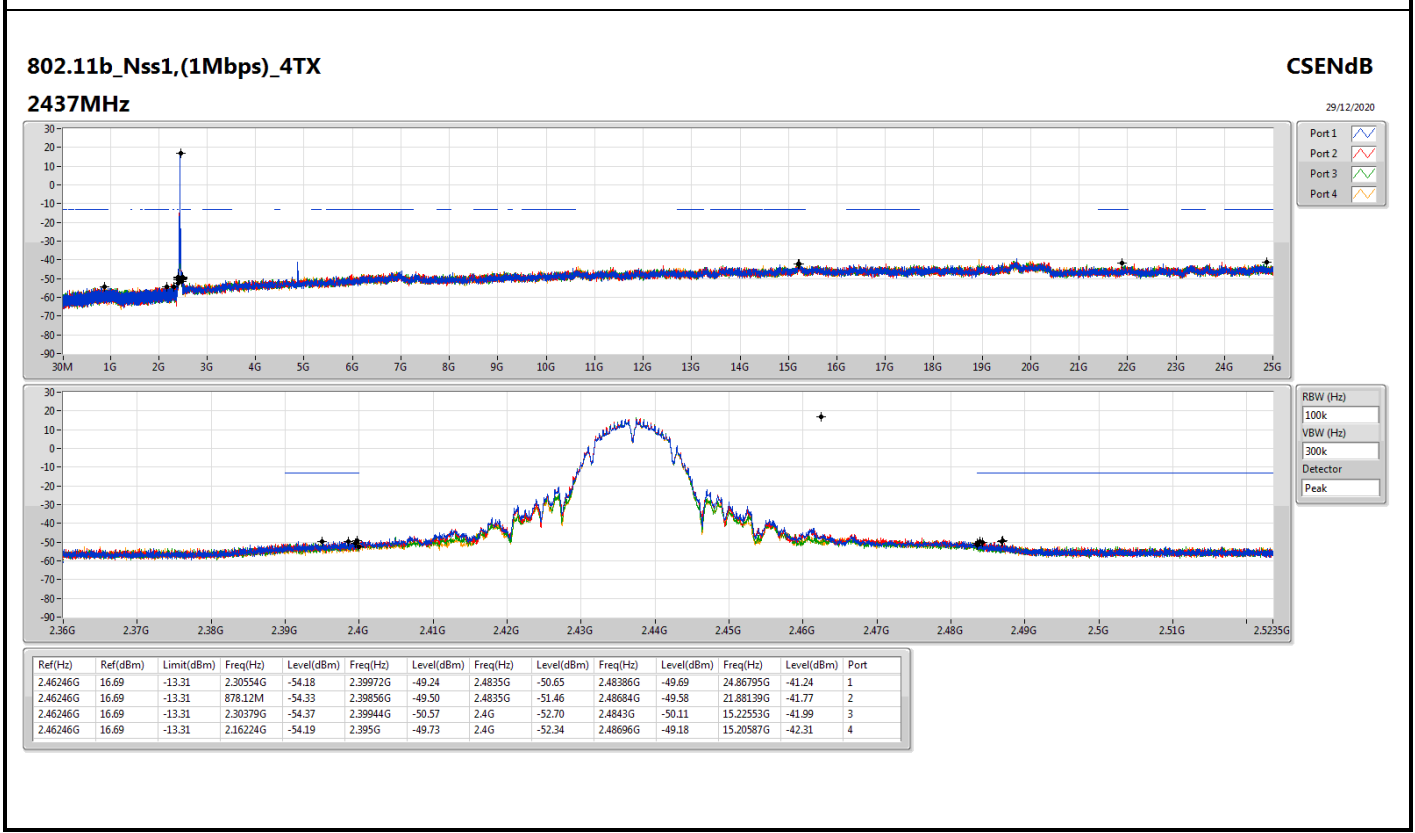
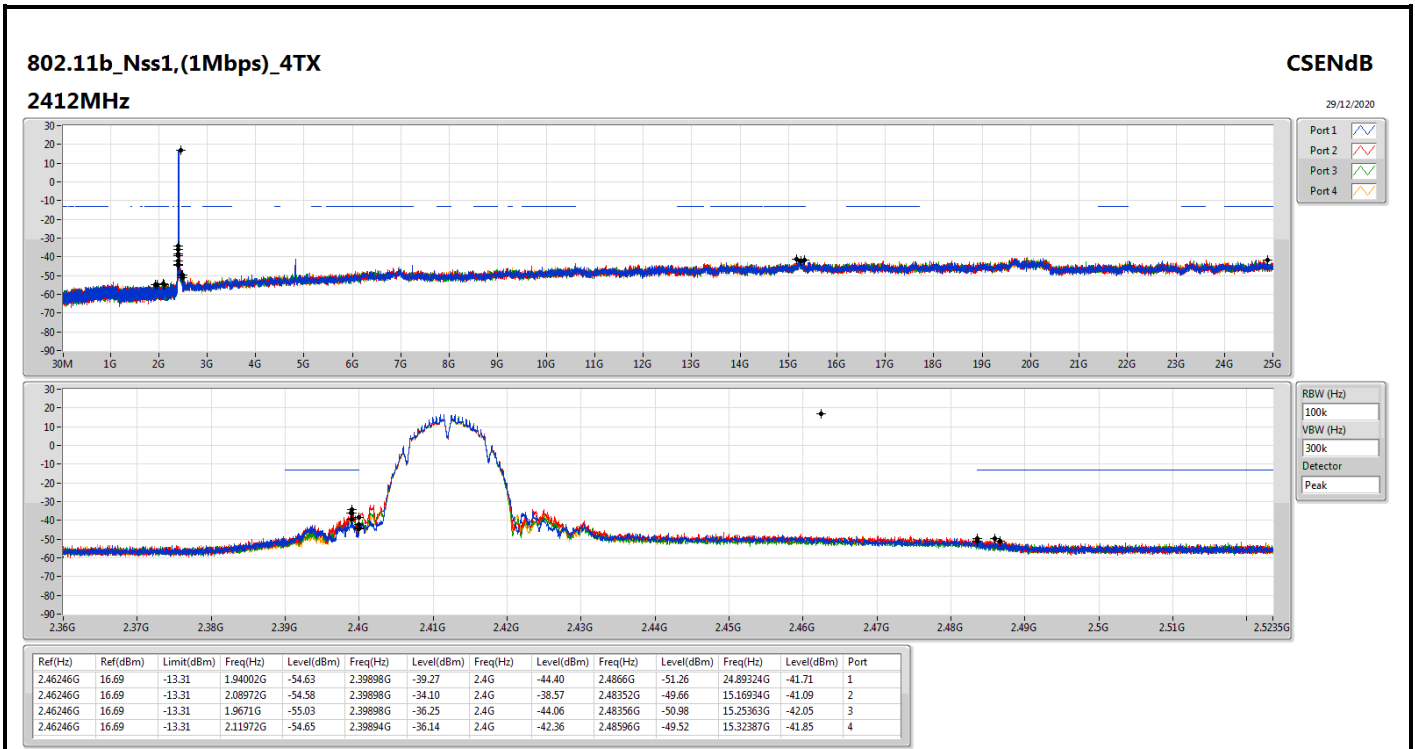
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.46246G	16.69	-13.31	1.94002G	-54.63	2.39898G	-39.27	2.4G	-44.40	2.4866G	-51.26	24.89324G	-41.71	1
2412MHz	Pass	2.46246G	16.69	-13.31	2.08972G	-54.58	2.39898G	-34.10	2.4G	-38.57	2.48352G	-49.66	15.16934G	-41.09	2
2412MHz	Pass	2.46246G	16.69	-13.31	1.9671G	-55.03	2.39898G	-36.25	2.4G	-44.06	2.48356G	-50.98	15.25363G	-42.05	3
2412MHz	Pass	2.46246G	16.69	-13.31	2.11972G	-54.65	2.39894G	-36.14	2.4G	-42.36	2.48596G	-49.52	15.32387G	-41.85	4
2437MHz	Pass	2.46246G	16.69	-13.31	2.30554G	-54.18	2.39972G	-49.24	2.4835G	-50.65	2.48386G	-49.69	24.86795G	-41.24	1
2437MHz	Pass	2.46246G	16.69	-13.31	878.12M	-54.33	2.39856G	-49.50	2.4835G	-51.46	2.48684G	-49.58	21.88139G	-41.77	2
2437MHz	Pass	2.46246G	16.69	-13.31	2.30379G	-54.37	2.39944G	-50.57	2.4G	-52.70	2.4843G	-50.11	15.22553G	-41.99	3
2437MHz	Pass	2.46246G	16.69	-13.31	2.16224G	-54.19	2.395G	-49.73	2.4G	-52.34	2.48696G	-49.18	15.20587G	-42.31	4
2462MHz	Pass	2.46246G	16.69	-13.31	1.94264G	-53.92	2.3982G	-50.29	2.4835G	-49.85	2.48548G	-47.68	23.34236G	-41.75	1
2462MHz	Pass	2.46246G	16.69	-13.31	2.30262G	-53.51	2.39598G	-50.24	2.4835G	-49.76	2.48548G	-45.36	24.8539G	-41.57	2
2462MHz	Pass	2.46246G	16.69	-13.31	2.17913G	-54.52	2.39894G	-50.41	2.4835G	-49.49	2.48592G	-48.60	23.39012G	-41.86	3
2462MHz	Pass	2.46246G	16.69	-13.31	2.14622G	-54.29	2.3994G	-51.40	2.4835G	-47.95	2.48584G	-48.50	23.31707G	-41.76	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	11.23	-18.77	827.44M	-54.70	2.3999G	-37.26	2.4G	-37.87	2.50192G	-51.53	15.20025G	-41.76	1
2412MHz	Pass	2.43198G	11.23	-18.77	1.97351G	-54.25	2.3998G	-33.99	2.4G	-35.75	2.48428G	-51.90	15.22272G	-42.16	2
2412MHz	Pass	2.43198G	11.23	-18.77	2.17069G	-54.61	2.39982G	-36.05	2.4G	-36.98	2.48396G	-51.66	15.24239G	-41.95	3
2412MHz	Pass	2.43198G	11.23	-18.77	1.95429G	-53.17	2.39914G	-35.44	2.4G	-36.24	2.48486G	-51.04	15.21148G	-41.77	4
2437MHz	Pass	2.43198G	11.23	-18.77	1.88526G	-54.35	2.39986G	-38.93	2.4G	-41.42	2.48384G	-45.36	24.50271G	-41.87	1
2437MHz	Pass	2.43198G	11.23	-18.77	951.52M	-54.39	2.39918G	-39.57	2.4G	-44.62	2.4847G	-46.36	15.2171G	-42.26	2
2437MHz	Pass	2.43198G	11.23	-18.77	2.08273G	-55.04	2.39974G	-40.30	2.4G	-41.28	2.4844G	-45.95	15.20025G	-41.71	3
2437MHz	Pass	2.43198G	11.23	-18.77	1.85526G	-54.74	2.39914G	-39.80	2.4G	-45.37	2.48448G	-44.74	24.04756G	-41.74	4
2462MHz	Pass	2.43198G	11.23	-18.77	2.08623G	-54.54	2.39846G	-52.02	2.4835G	-50.49	2.4838G	-45.54	24.93538G	-41.79	1
2462MHz	Pass	2.43198G	11.23	-18.77	2.12351G	-54.41	2.39326G	-52.31	2.4835G	-48.39	2.4837G	-46.55	24.83705G	-41.84	2
2462MHz	Pass	2.43198G	11.23	-18.77	1.96798G	-54.28	2.39734G	-51.94	2.4835G	-51.47	2.48384G	-49.70	16.56288G	-42.43	3
2462MHz	Pass	2.43198G	11.23	-18.77	2.13224G	-54.63	2.39044G	-52.29	2.4835G	-49.33	2.48412G	-46.29	15.2452G	-41.97	4
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43069G	10.83	-19.17	1.95225G	-54.21	2.39996G	-40.85	2.4G	-40.31	2.5047G	-52.29	24.58699G	-42.54	1
2412MHz	Pass	2.43069G	10.83	-19.17	2.30146G	-54.81	2.4G	-41.13	2.4G	-42.50	2.51322G	-51.53	15.20867G	-42.01	2
2412MHz	Pass	2.43069G	10.83	-19.17	2.15467G	-54.10	2.39996G	-41.71	2.4G	-41.95	2.48544G	-52.32	23.31426G	-41.59	3
2412MHz	Pass	2.43069G	10.83	-19.17	2.11943G	-54.88	2.39992G	-41.19	2.4G	-42.87	2.519G	-51.61	15.21991G	-40.31	4
2437MHz	Pass	2.43069G	10.83	-19.17	2.15292G	-54.61	2.39906G	-39.58	2.4G	-40.08	2.48602G	-44.50	15.2171G	-41.27	1
2437MHz	Pass	2.43069G	10.83	-19.17	2.30758G	-53.17	2.3973G	-39.98	2.4G	-44.93	2.48444G	-46.98	24.99719G	-41.90	2
2437MHz	Pass	2.43069G	10.83	-19.17	1.9505G	-54.86	2.39762G	-40.70	2.4G	-43.21	2.48482G	-46.92	24.66847G	-42.36	3
2437MHz	Pass	2.43069G	10.83	-19.17	1.71721G	-54.62	2.39922G	-40.96	2.4G	-45.88	2.48604G	-45.86	17.61647G	-41.00	4
2462MHz	Pass	2.43069G	10.83	-19.17	783.76M	-54.56	2.39304G	-52.99	2.4835G	-52.35	2.48504G	-50.54	24.62914G	-41.65	1
2462MHz	Pass	2.43069G	10.83	-19.17	2.12118G	-54.81	2.39956G	-53.18	2.4835G	-53.82	2.48384G	-51.04	16.26226G	-41.57	2
2462MHz	Pass	2.43069G	10.83	-19.17	2.19253G	-54.59	2.39872G	-52.70	2.4835G	-53.24	2.4858G	-51.85	15.20867G	-42.05	3
2462MHz	Pass	2.43069G	10.83	-19.17	2.14914G	-54.35	2.3953G	-52.20	2.4835G	-52.68	2.484G	-51.77	24.646G	-41.42	4
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43194G	4.18	-25.82	864.42M	-53.64	2.39992G	-42.71	2.4G	-45.54	2.48474G	-51.66	16.99017G	-42.13	1
2422MHz	Pass	2.43194G	4.18	-25.82	2.15541G	-54.44	2.3992G	-41.67	2.4G	-46.07	2.48398G	-51.18	15.20366G	-42.06	2
2422MHz	Pass	2.43194G	4.18	-25.82	2.13165G	-53.49	2.39892G	-45.47	2.4G	-47.80	2.48674G	-50.24	23.30604G	-42.48	3
2422MHz	Pass	2.43194G	4.18	-25.82	2.11304G	-54.44	2.39944G	-45.29	2.4G	-47.52	2.4859G	-51.68	24.73076G	-42.15	4
2437MHz	Pass	2.43194G	4.18	-25.82	753.93M	-54.96	2.39884G	-41.43	2.4G	-43.96	2.4839G	-48.37	24.99159G	-42.17	1
2437MHz	Pass	2.43194G	4.18	-25.82	2.15827G	-54.10	2.39888G	-41.86	2.4G	-42.03	2.4835G	-46.63	24.85416G	-41.12	2
2437MHz	Pass	2.43194G	4.18	-25.82	2.30311G	-53.76	2.4G	-45.52	2.4G	-44.73	2.4843G	-49.56	23.41542G	-42.10	3
2437MHz	Pass	2.43194G	4.18	-25.82	1.65304G	-54.30	2.4G	-44.99	2.4G	-45.58	2.4853G	-48.26	15.21769G	-41.85	4
2452MHz	Pass	2.43194G	4.18	-25.82	879.3M	-54.52	2.39572G	-51.45	2.4835G	-44.96	2.48414G	-45.86	15.2289G	-41.15	1
2452MHz	Pass	2.43194G	4.18	-25.82	894.76M	-54.84	2.397G	-52.88	2.4835G	-49.22	2.48422G	-47.90	15.22049G	-41.04	2
2452MHz	Pass	2.43194G	4.18	-25.82	1.91925G	-54.79	2.3972G	-52.11	2.4835G	-51.17	2.4841G	-50.67	16.47974G	-40.57	3
2452MHz	Pass	2.43194G	4.18	-25.82	2.01801G	-53.86	2.3946G	-52.18	2.4835G	-49.63	2.48618G	-49.64	24.78966G	-41.54	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43069G	10.95	-19.05	804.14M	-53.89	2.4G	-40.41	2.4G	-39.77	2.51142G	-51.72	21.9741G	-41.87	1
2412MHz	Pass	2.43069G	10.95	-19.05	2.30292G	-54.23	2.3999G	-41.27	2.4G	-40.28	2.48722G	-51.96	24.97471G	-41.76	2
2412MHz	Pass	2.43069G	10.95	-19.05	1.78973G	-54.56	2.4G	-41.26	2.4G	-42.01	2.513G	-52.20	15.2452G	-41.89	3
2412MHz	Pass	2.43069G	10.95	-19.05	2.15729G	-54.65	2.4G	-39.74	2.4G	-40.44	2.48364G	-51.93	15.26206G	-41.63	4
2437MHz	Pass	2.43069G	10.95	-19.05	2.03351G	-54.22	2.3998G	-38.09	2.4G	-40.57	2.48386G	-45.10	15.21148G	-42.17	1
2437MHz	Pass	2.43069G	10.95	-19.05	2.1072G	-54.64	2.3992G	-39.47	2.4G	-42.33	2.4842G	-47.28	16.35217G	-41.11	2
2437MHz	Pass	2.43069G	10.95	-19.05	856.86M	-54.52	2.39696G	-40.16	2.4G	-43.89	2.48514G	-47.77	15.21148G	-41.60	3
2437MHz	Pass	2.43069G	10.95	-19.05	2.30233G	-54.86	2.39944G	-40.41	2.4G	-45.78	2.48432G	-47.36	15.21429G	-42.60	4

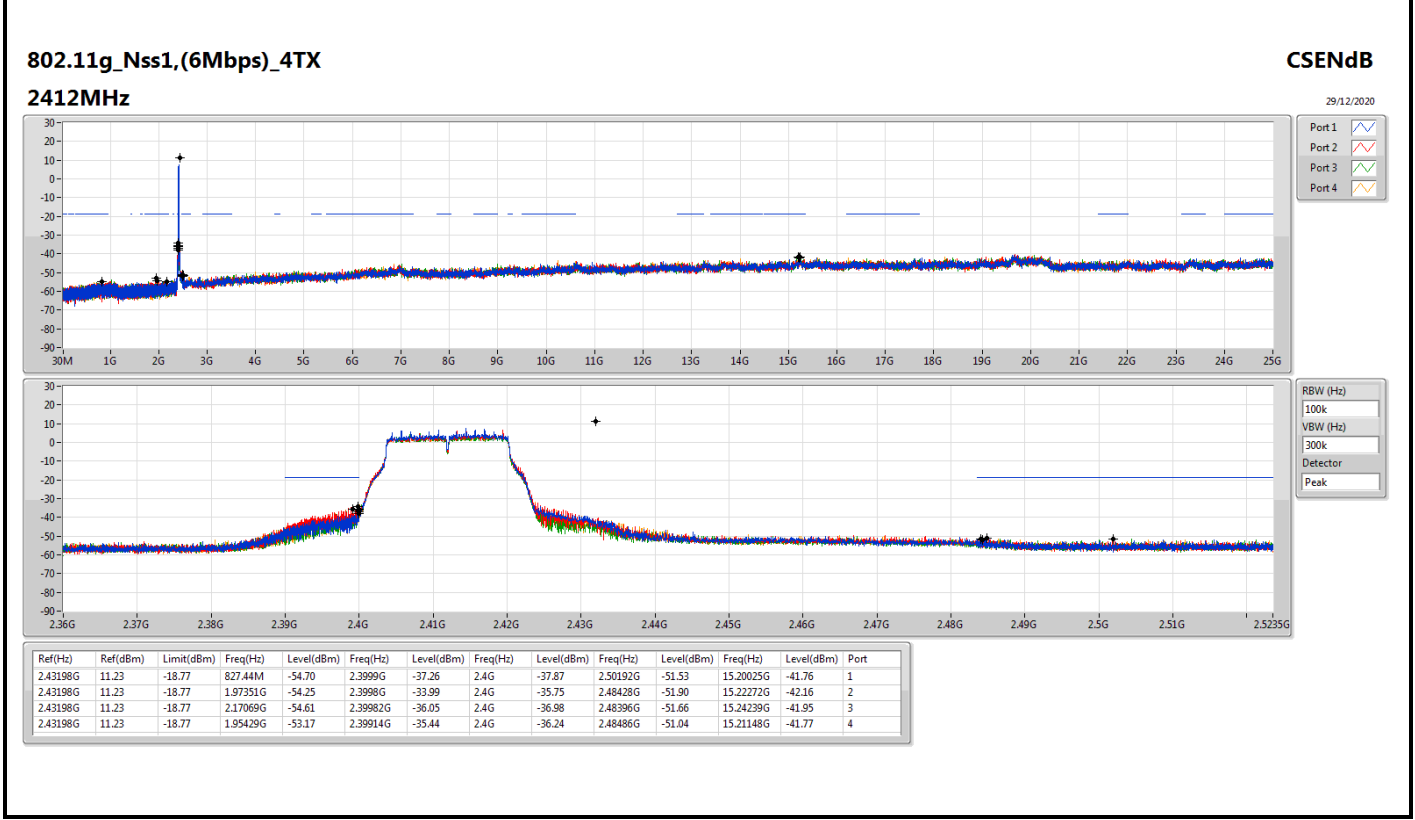
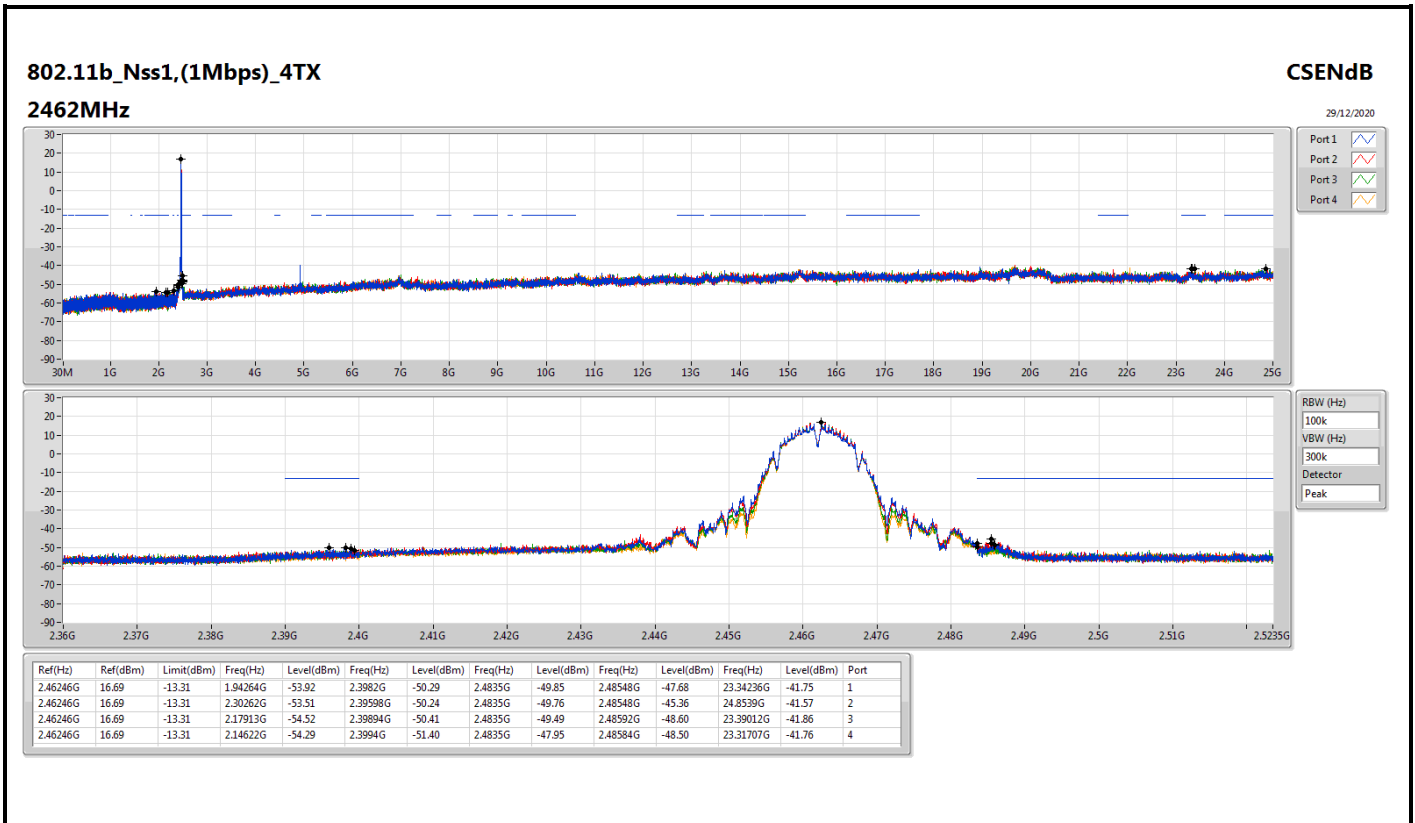


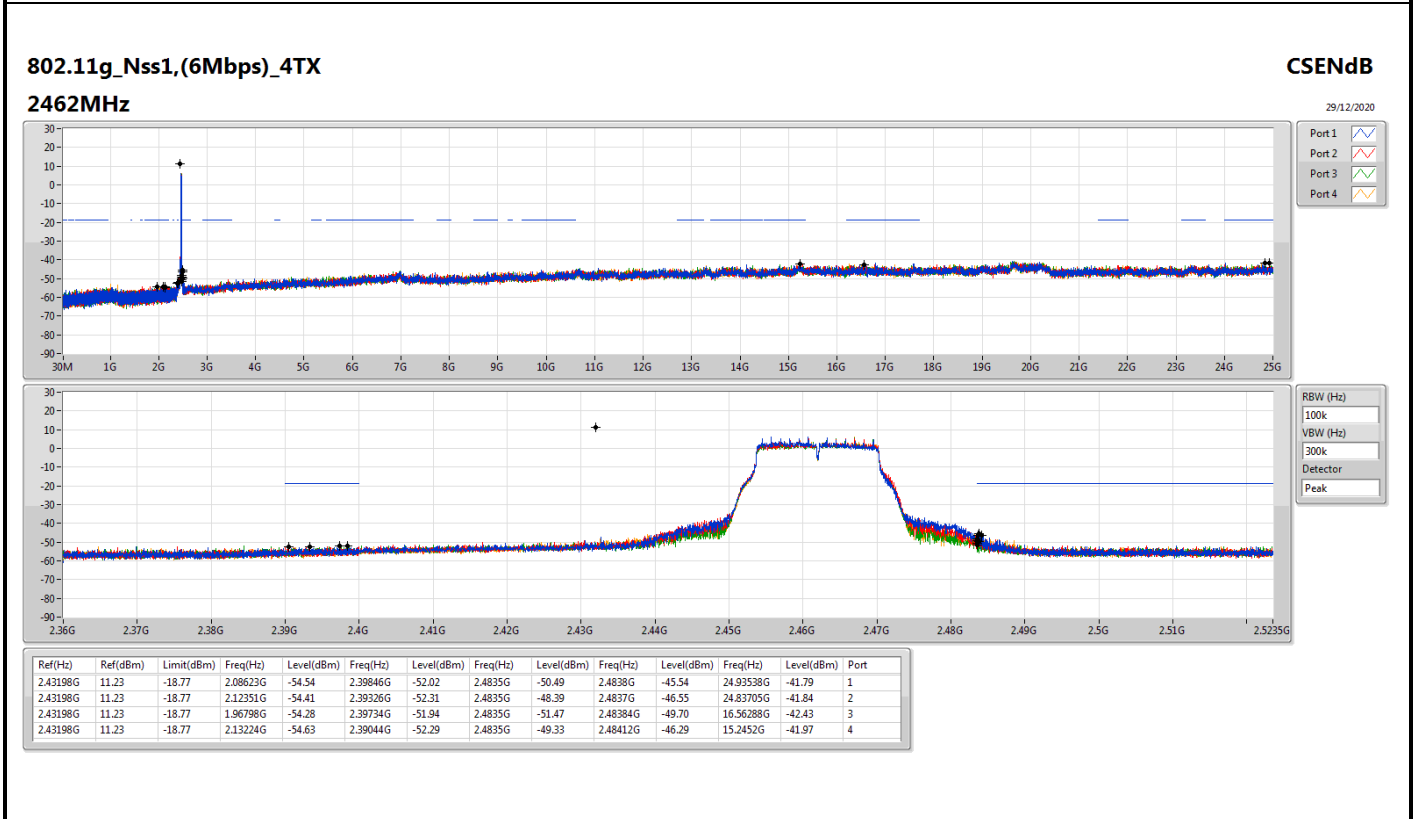
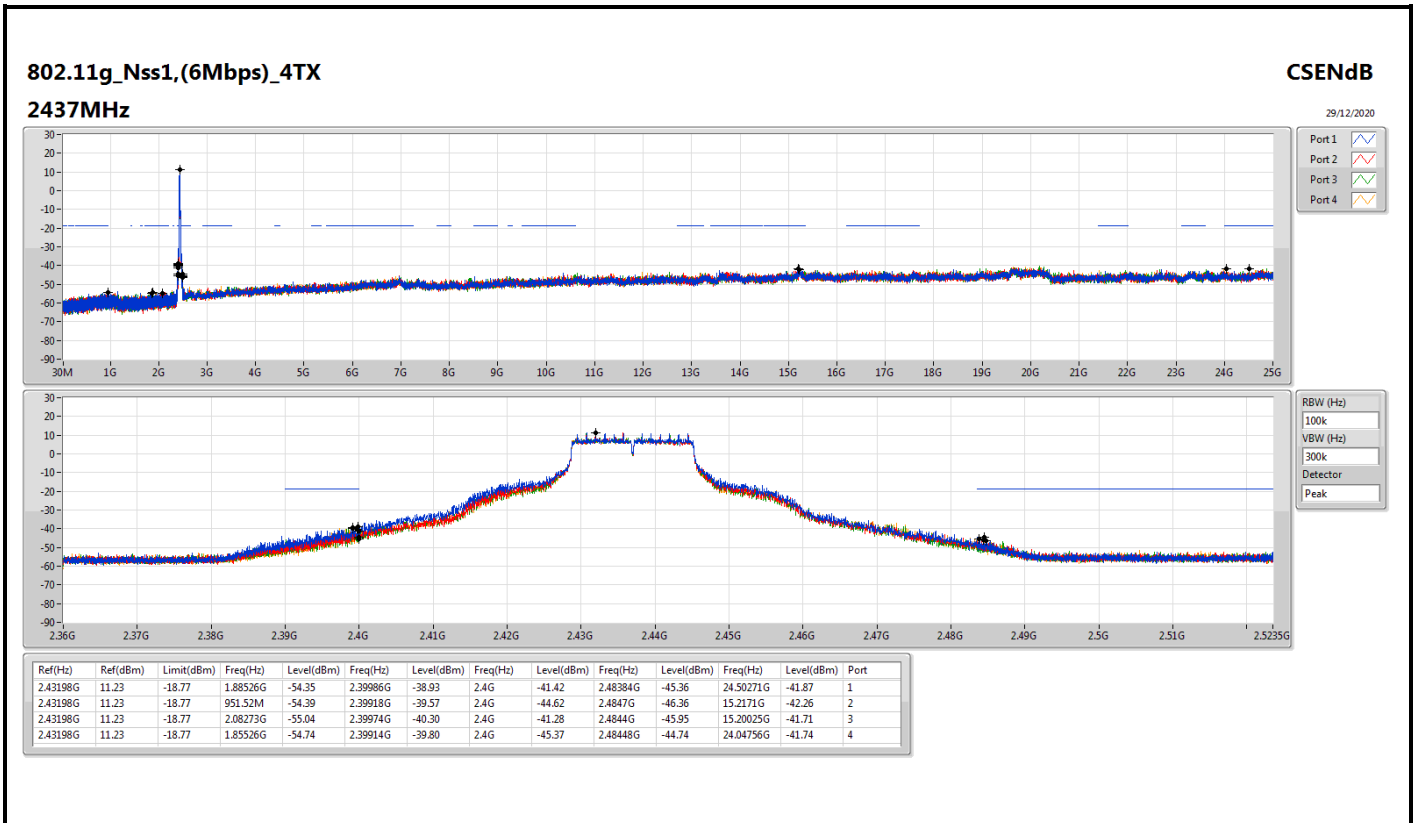
CSE (Non-restricted Band) _Non-Beamforming_Radio 1

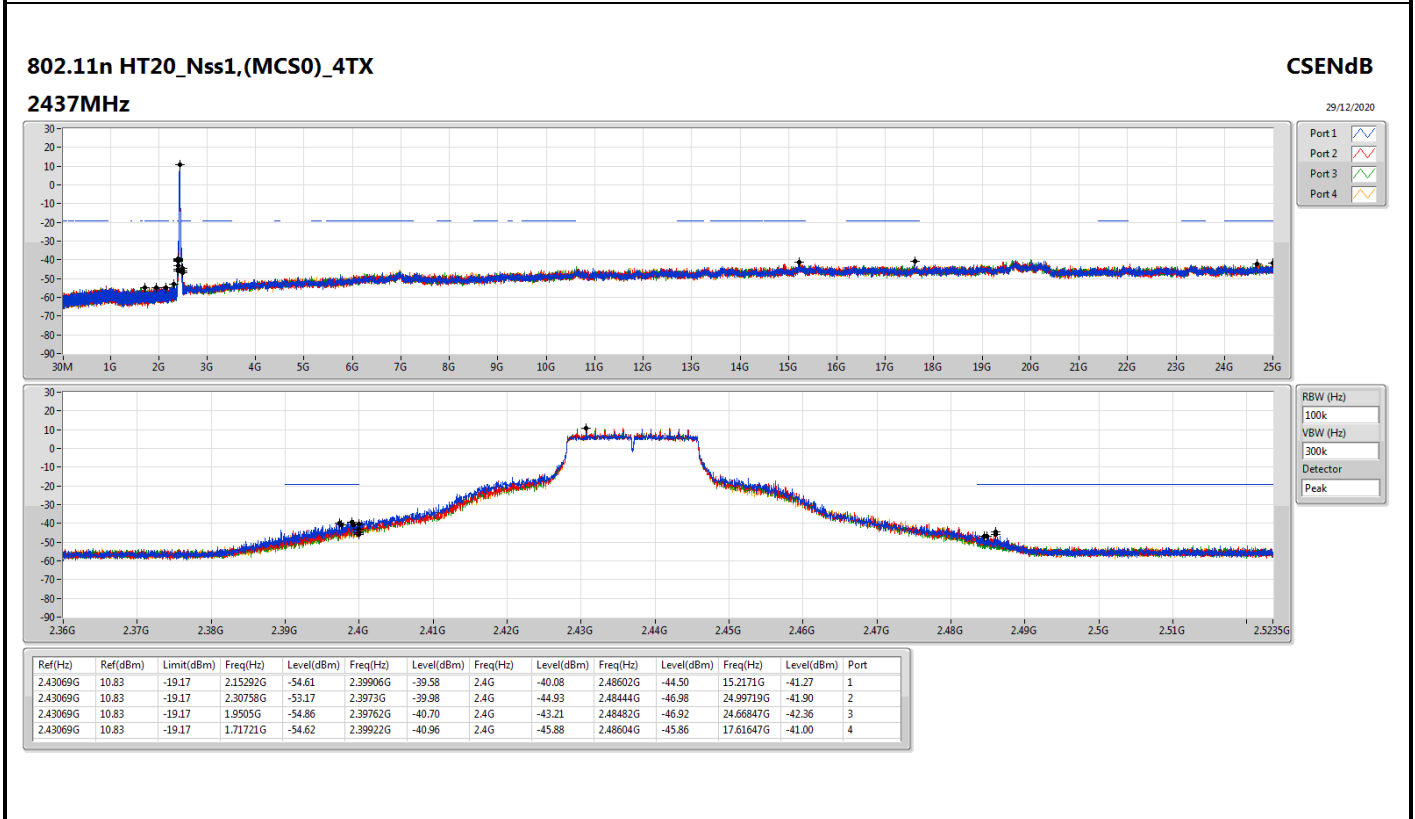
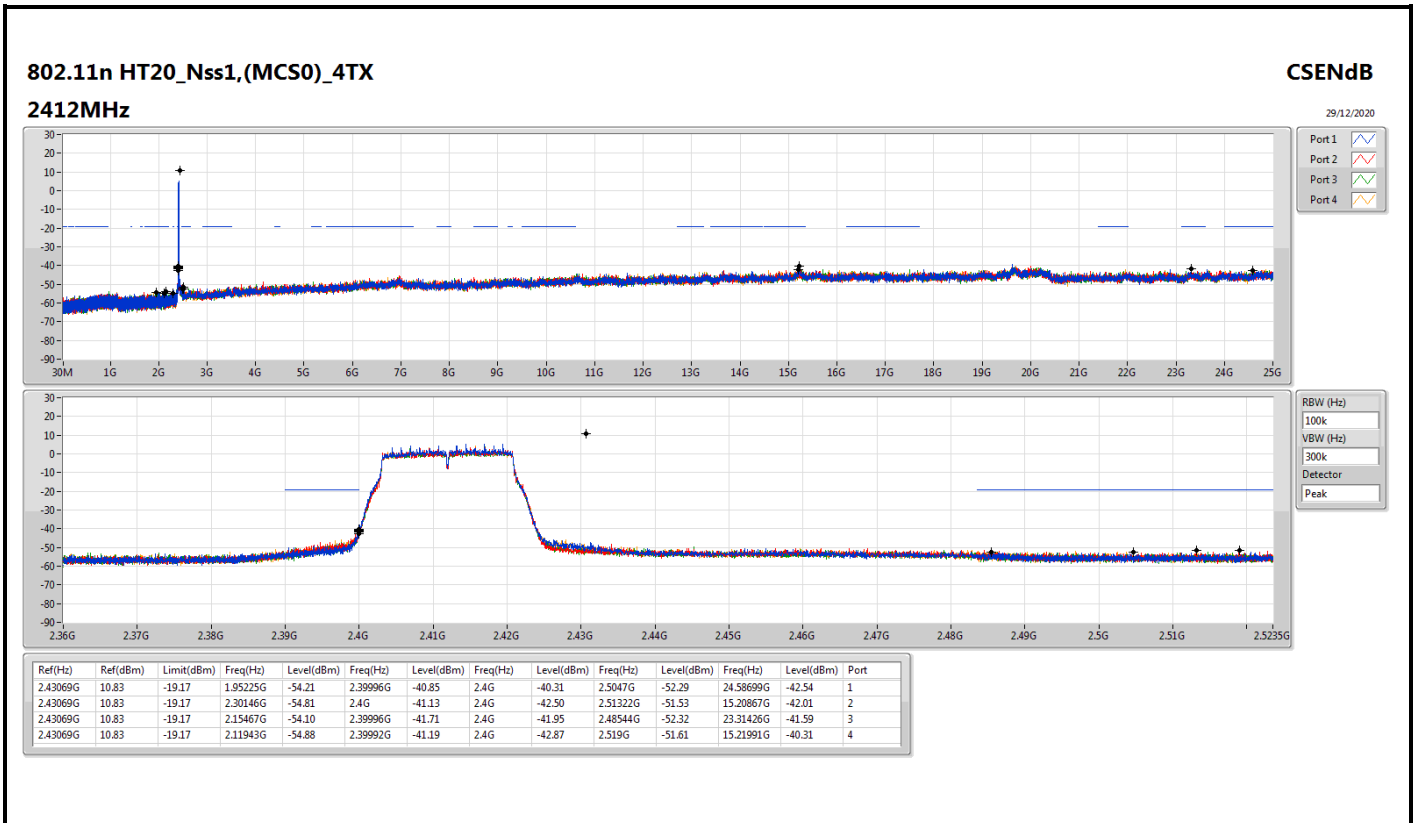
Appendix E.1

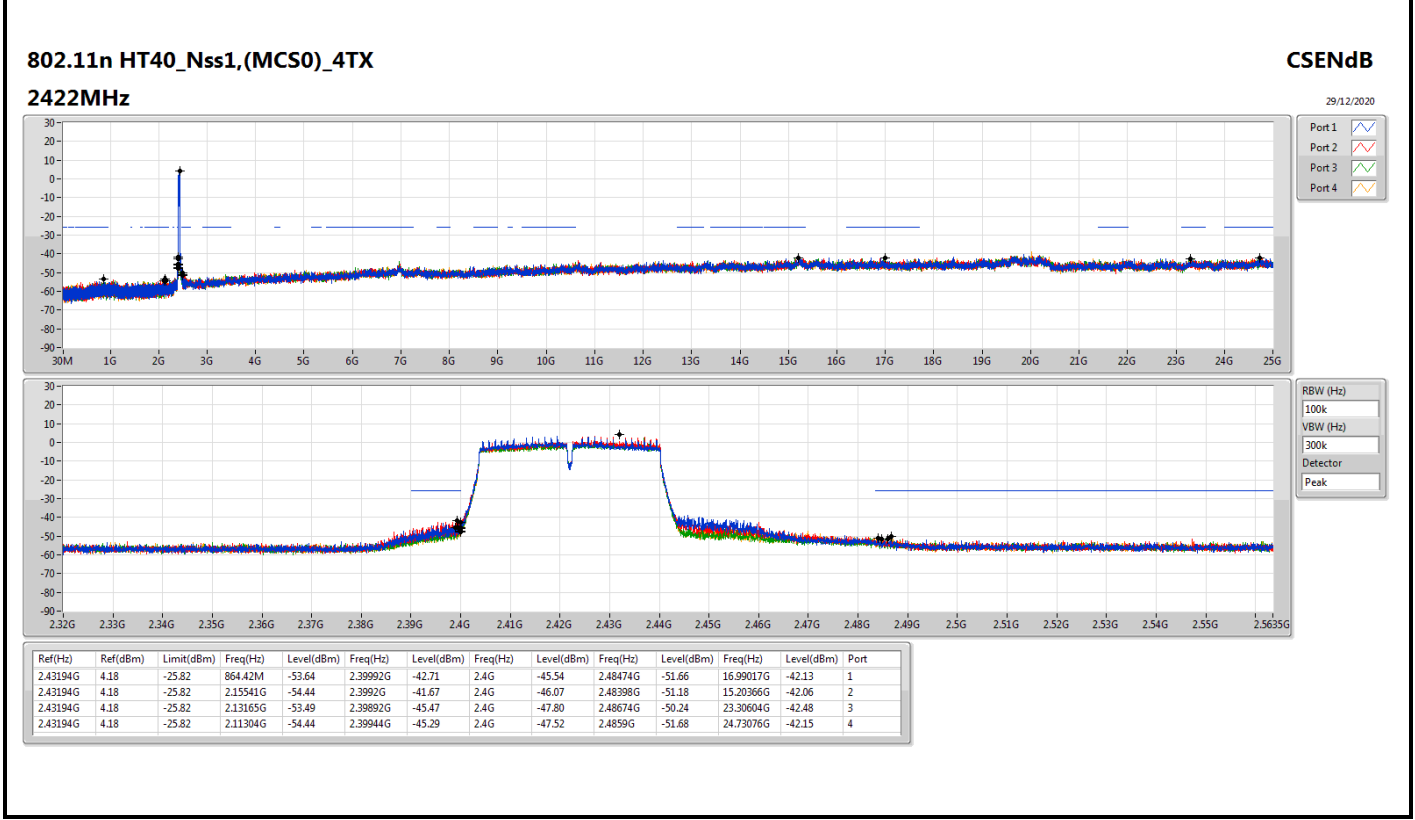
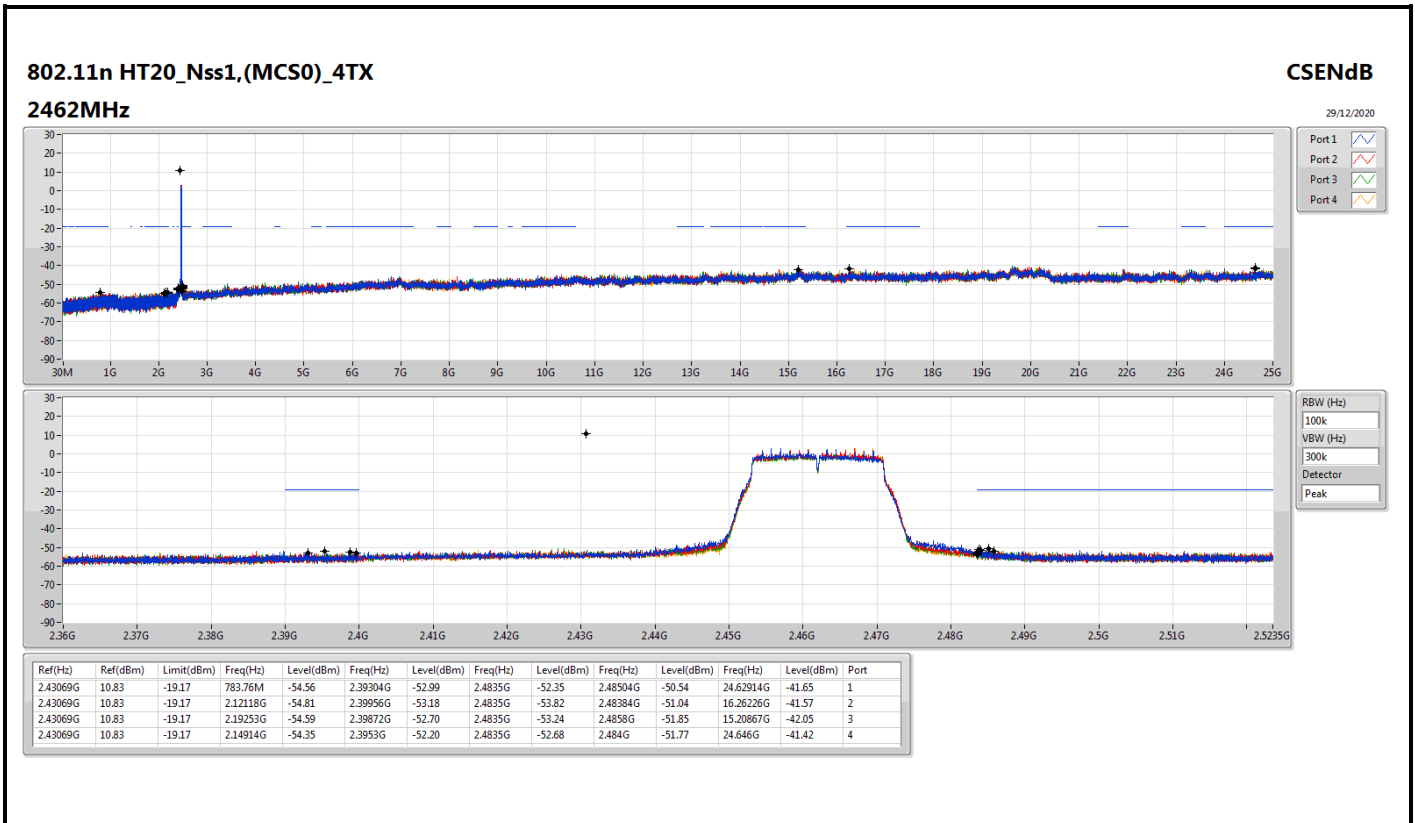
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2462MHz	Pass	2.43069G	10.95	-19.05	928.51M	-54.83	2.3947G	-52.56	2.4835G	-51.80	2.48354G	-51.43	24.80895G	-41.97	1
2462MHz	Pass	2.43069G	10.95	-19.05	2.17564G	-53.92	2.39222G	-52.55	2.4835G	-53.42	2.48644G	-51.17	15.25363G	-41.64	2
2462MHz	Pass	2.43069G	10.95	-19.05	2.14593G	-54.54	2.39982G	-51.66	2.4835G	-51.76	2.48398G	-51.35	15.21429G	-41.42	3
2462MHz	Pass	2.43069G	10.95	-19.05	798.32M	-54.92	2.39732G	-52.69	2.4835G	-53.91	2.4881G	-51.78	15.21429G	-40.87	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	4.18	-25.82	2.30454G	-54.60	2.39848G	-40.53	2.4G	-45.65	2.48558G	-51.94	23.35933G	-41.86	1
2422MHz	Pass	2.43198G	4.18	-25.82	2.14596G	-54.67	2.3982G	-43.47	2.4G	-43.36	2.4849G	-51.33	21.94303G	-41.94	2
2422MHz	Pass	2.43198G	4.18	-25.82	934.26M	-54.29	2.3994G	-46.32	2.4G	-47.68	2.4855G	-51.98	15.23732G	-41.32	3
2422MHz	Pass	2.43198G	4.18	-25.82	851.25M	-54.44	2.39916G	-47.43	2.4G	-46.20	2.48402G	-51.46	23.29202G	-41.99	4
2437MHz	Pass	2.43198G	4.18	-25.82	829.21M	-53.79	2.39964G	-36.40	2.4G	-42.67	2.4839G	-46.26	24.76442G	-41.78	1
2437MHz	Pass	2.43198G	4.18	-25.82	2.1056G	-53.53	2.39956G	-40.17	2.4G	-47.12	2.48418G	-46.77	16.33951G	-41.46	2
2437MHz	Pass	2.43198G	4.18	-25.82	1.93814G	-54.42	2.39828G	-43.69	2.4G	-46.92	2.48426G	-48.32	17.64083G	-41.00	3
2437MHz	Pass	2.43198G	4.18	-25.82	2.02373G	-54.74	2.3982G	-43.85	2.4G	-49.26	2.48494G	-46.80	23.26958G	-41.90	4
2452MHz	Pass	2.43198G	4.18	-25.82	1.98137G	-54.78	2.39532G	-51.27	2.4835G	-50.76	2.48666G	-48.36	15.23732G	-41.29	1
2452MHz	Pass	2.43198G	4.18	-25.82	2.05493G	-54.26	2.3984G	-49.97	2.4835G	-47.32	2.48354G	-46.68	15.23451G	-42.11	2
2452MHz	Pass	2.43198G	4.18	-25.82	2.13909G	-54.95	2.39832G	-52.27	2.4835G	-52.99	2.48474G	-50.06	15.25975G	-41.70	3
2452MHz	Pass	2.43198G	4.18	-25.82	2.10245G	-53.67	2.39144G	-51.58	2.4835G	-51.63	2.48454G	-48.35	15.2233G	-41.44	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44446G	11.03	-18.97	2.30874G	-54.72	2.3995G	-37.86	2.4G	-40.87	2.48664G	-51.76	15.2452G	-42.10	1
2412MHz	Pass	2.44446G	11.03	-18.97	2.30029G	-55.04	2.39938G	-37.65	2.4G	-37.24	2.48402G	-51.07	24.23018G	-42.37	2
2412MHz	Pass	2.44446G	11.03	-18.97	886.57M	-55.05	2.39848G	-39.90	2.4G	-39.96	2.48778G	-51.55	16.57412G	-42.17	3
2412MHz	Pass	2.44446G	11.03	-18.97	2.3035G	-54.10	2.39988G	-37.69	2.4G	-42.26	2.4841G	-51.38	23.33955G	-42.06	4
2437MHz	Pass	2.44446G	11.03	-18.97	1.8806G	-53.67	2.4G	-36.44	2.4G	-41.13	2.48468G	-43.37	15.20306G	-41.67	1
2437MHz	Pass	2.44446G	11.03	-18.97	2.15438G	-54.67	2.39924G	-39.40	2.4G	-42.19	2.48472G	-44.07	23.3255G	-41.75	2
2437MHz	Pass	2.44446G	11.03	-18.97	1.94846G	-53.99	2.39824G	-39.67	2.4G	-43.36	2.4847G	-45.30	15.23115G	-41.76	3
2437MHz	Pass	2.44446G	11.03	-18.97	1.63828G	-54.46	2.39852G	-39.79	2.4G	-42.17	2.48382G	-43.04	15.2171G	-40.47	4
2462MHz	Pass	2.44446G	11.03	-18.97	917.73M	-54.28	2.39642G	-52.12	2.4835G	-52.33	2.48356G	-48.28	16.54322G	-42.22	1
2462MHz	Pass	2.44446G	11.03	-18.97	2.19341G	-53.72	2.39856G	-53.25	2.4835G	-50.36	2.48354G	-49.09	24.33413G	-41.87	2
2462MHz	Pass	2.44446G	11.03	-18.97	2.15409G	-53.27	2.39646G	-53.41	2.4835G	-53.43	2.48356G	-50.92	23.37607G	-42.42	3
2462MHz	Pass	2.44446G	11.03	-18.97	2.30699G	-54.02	2.3956G	-53.40	2.4835G	-52.30	2.48416G	-48.74	15.25082G	-42.03	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45198G	4.13	-25.87	2.17602G	-54.51	2.39712G	-40.53	2.4G	-41.96	2.48402G	-51.62	24.77564G	-41.88	1
2422MHz	Pass	2.45198G	4.13	-25.87	2.10703G	-53.91	2.39716G	-41.95	2.4G	-44.71	2.48382G	-51.00	15.20927G	-41.13	2
2422MHz	Pass	2.45198G	4.13	-25.87	632.56M	-54.59	2.39916G	-46.10	2.4G	-48.15	2.4835G	-51.84	15.2233G	-42.40	3
2422MHz	Pass	2.45198G	4.13	-25.87	853.54M	-54.29	2.3972G	-45.55	2.4G	-47.91	2.48386G	-51.89	15.20366G	-41.57	4
2437MHz	Pass	2.45198G	4.13	-25.87	2.10989G	-54.54	2.39636G	-40.03	2.4G	-41.76	2.48354G	-46.98	15.23171G	-42.16	1
2437MHz	Pass	2.45198G	4.13	-25.87	2.30855G	-54.58	2.39872G	-41.37	2.4G	-45.47	2.48634G	-47.01	24.69991G	-42.54	2
2437MHz	Pass	2.45198G	4.13	-25.87	714.42M	-55.01	2.3994G	-43.95	2.4G	-47.81	2.48638G	-47.73	17.55389G	-42.03	3
2437MHz	Pass	2.45198G	4.13	-25.87	2.09787G	-54.54	2.39904G	-43.46	2.4G	-46.73	2.48426G	-47.96	24.74759G	-42.19	4
2452MHz	Pass	2.45198G	4.13	-25.87	2.30655G	-54.97	2.4G	-51.60	2.4835G	-50.28	2.4857G	-47.90	15.24012G	-41.31	1
2452MHz	Pass	2.45198G	4.13	-25.87	2.12306G	-53.95	2.39896G	-52.00	2.4835G	-50.25	2.48626G	-48.19	15.22049G	-42.29	2
2452MHz	Pass	2.45198G	4.13	-25.87	847.24M	-54.33	2.3942G	-51.45	2.4835G	-50.56	2.48602G	-49.60	24.75039G	-42.54	3
2452MHz	Pass	2.45198G	4.13	-25.87	898.2M	-54.21	2.39164G	-52.06	2.4835G	-51.10	2.4855G	-49.95	23.35092G	-41.69	4

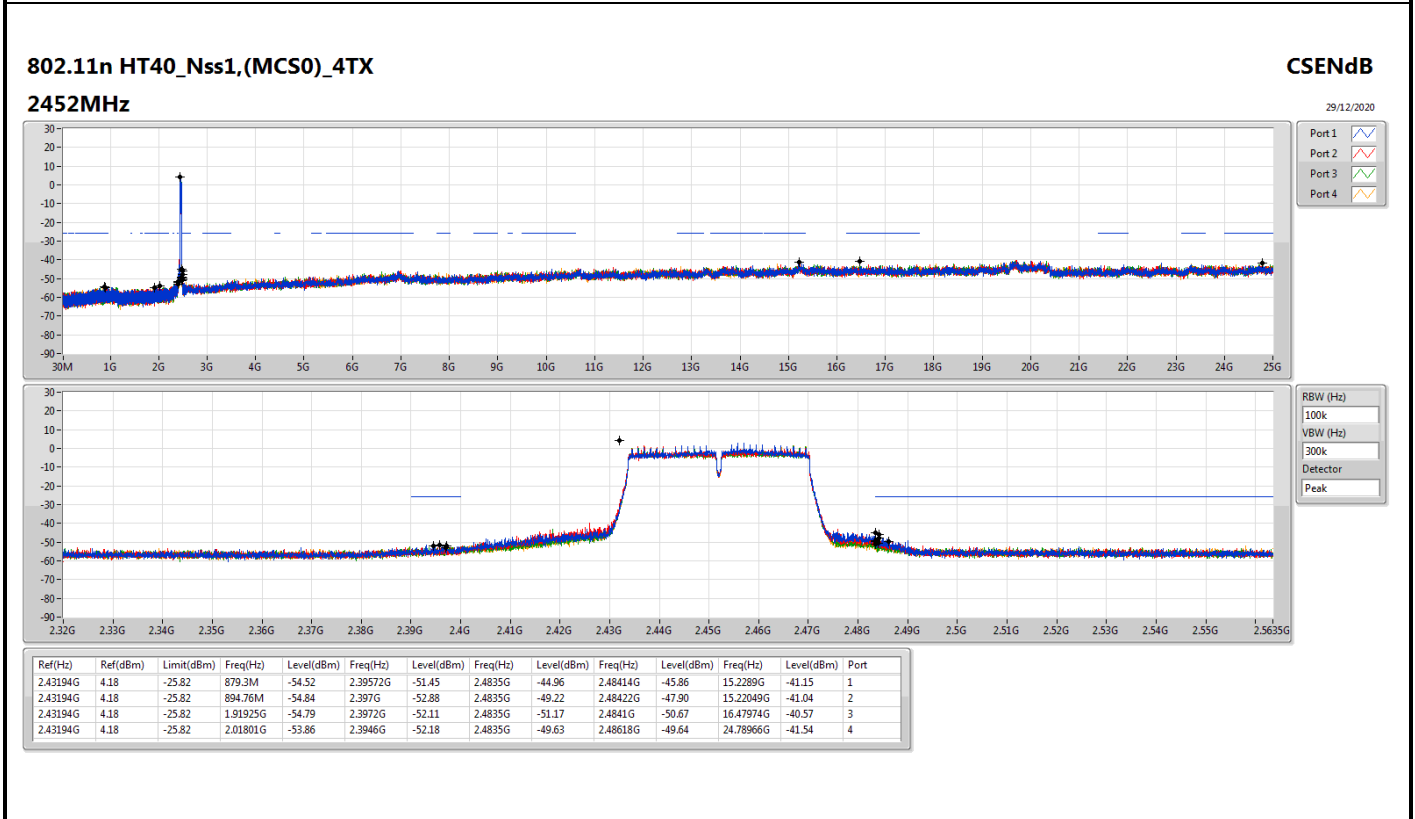
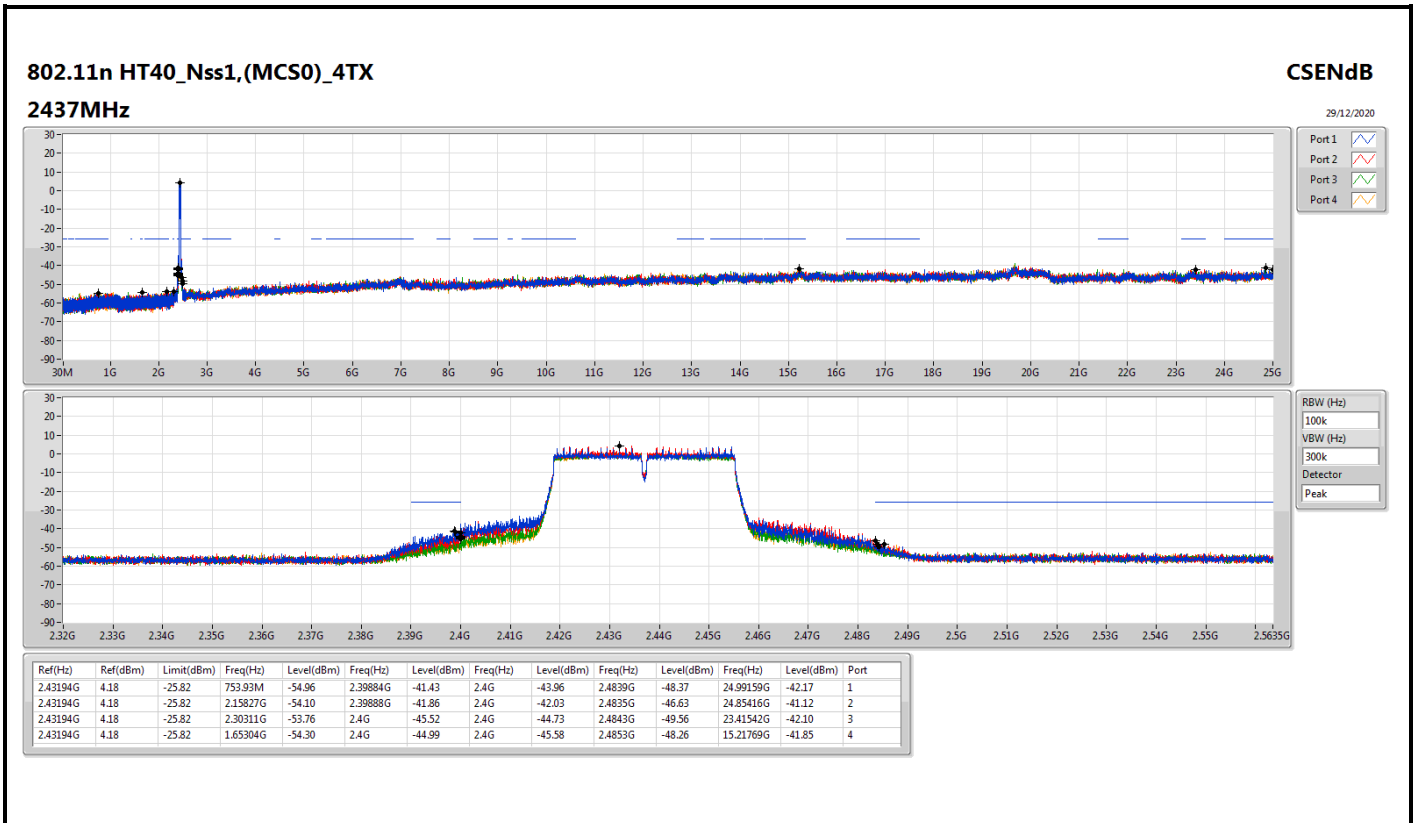


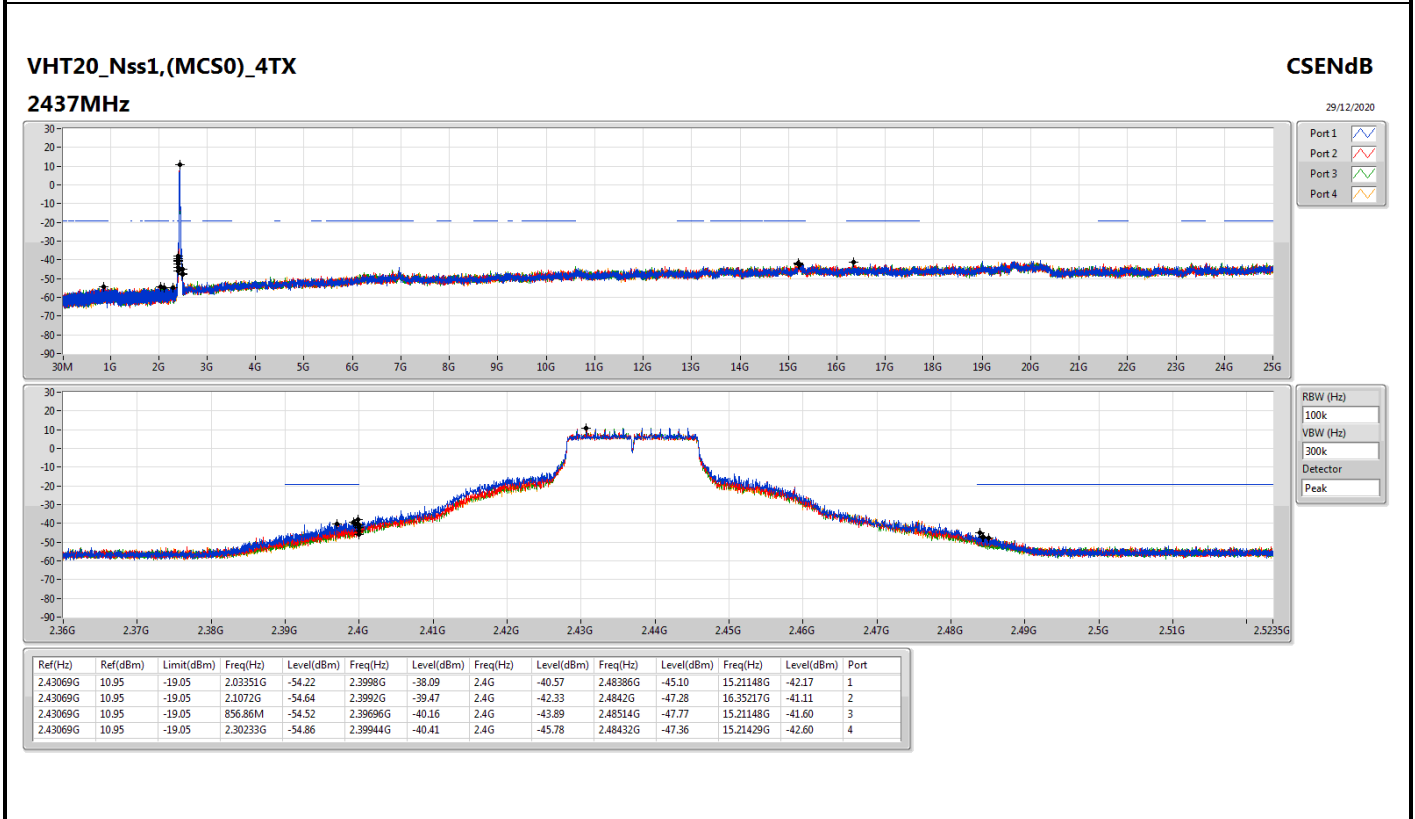
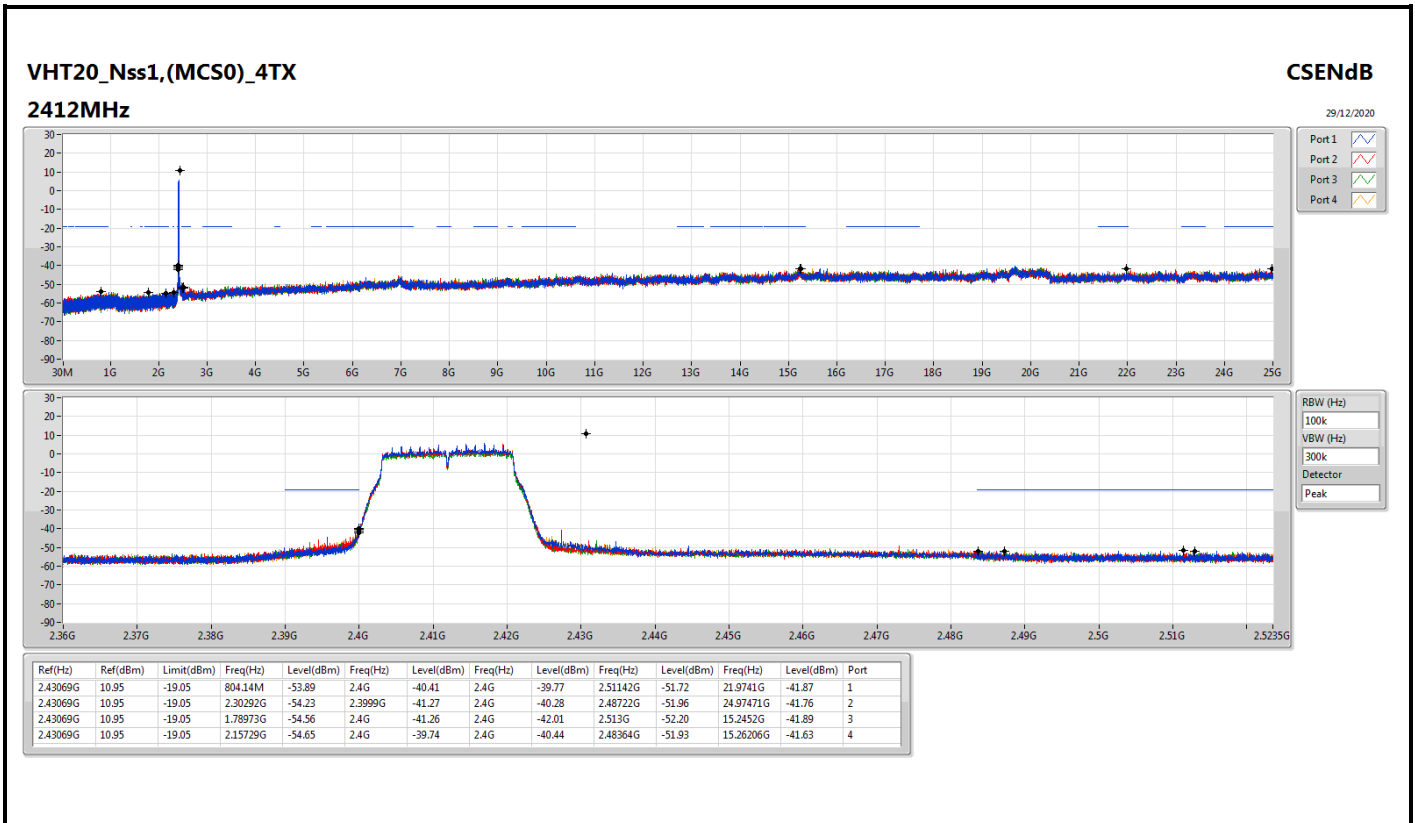


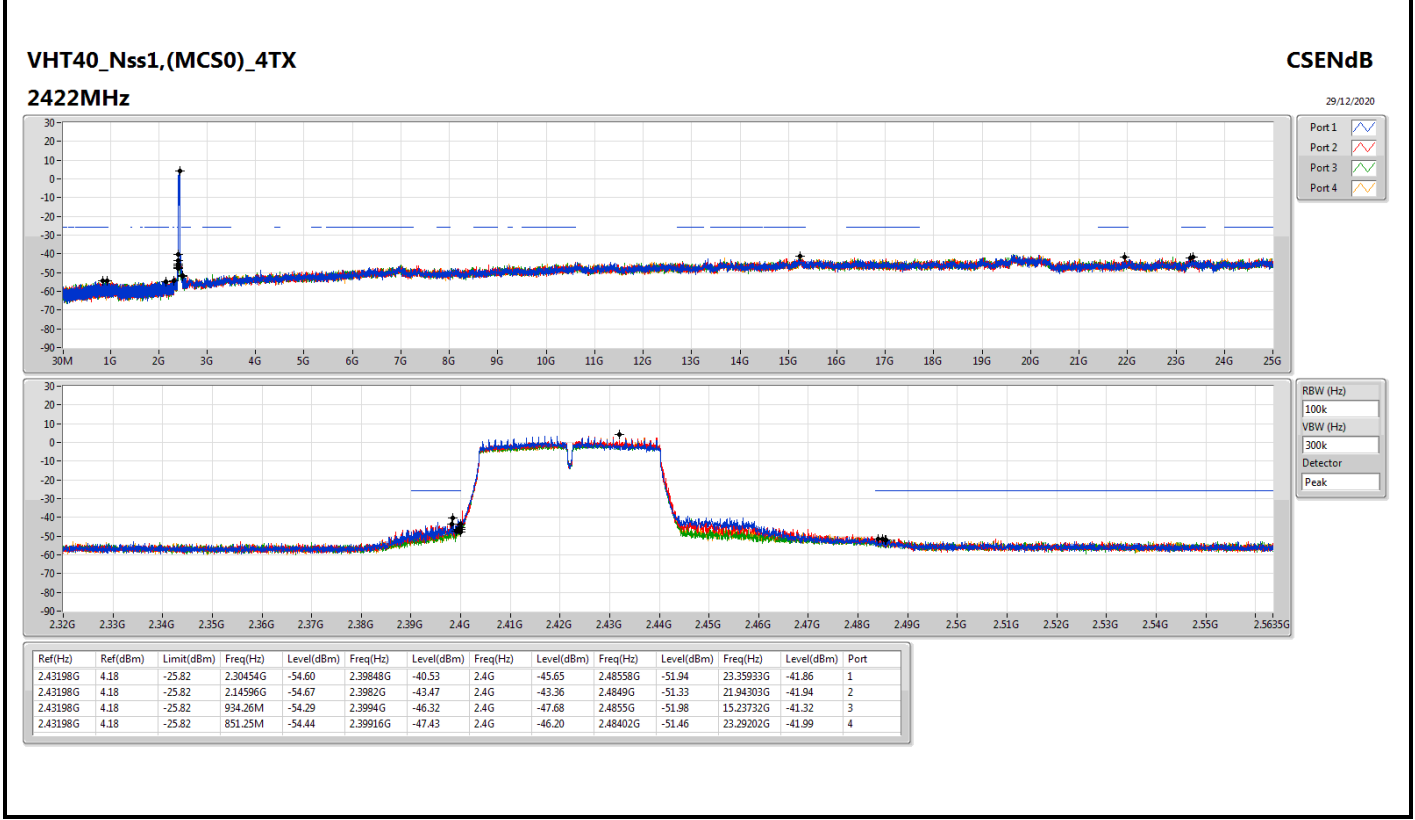
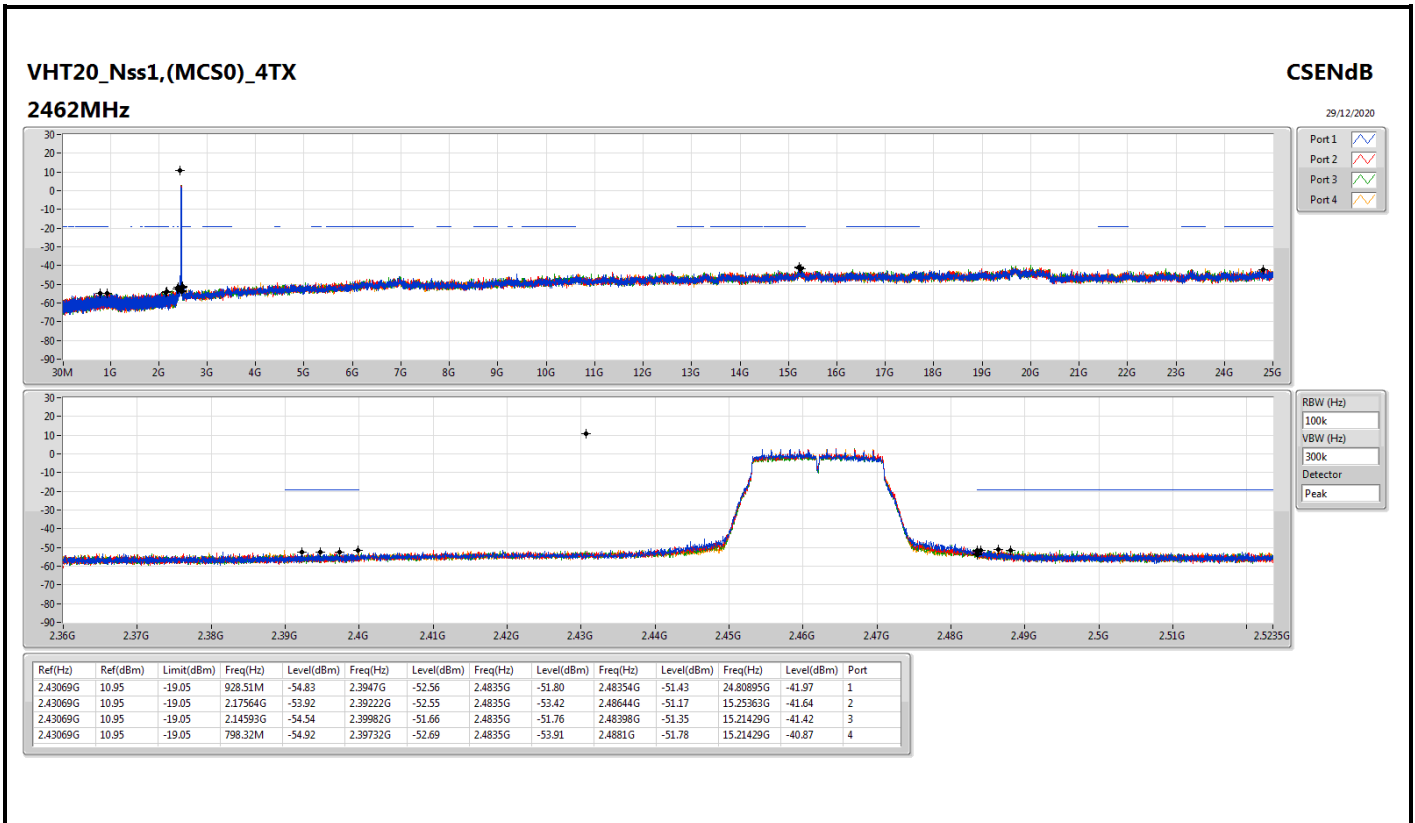


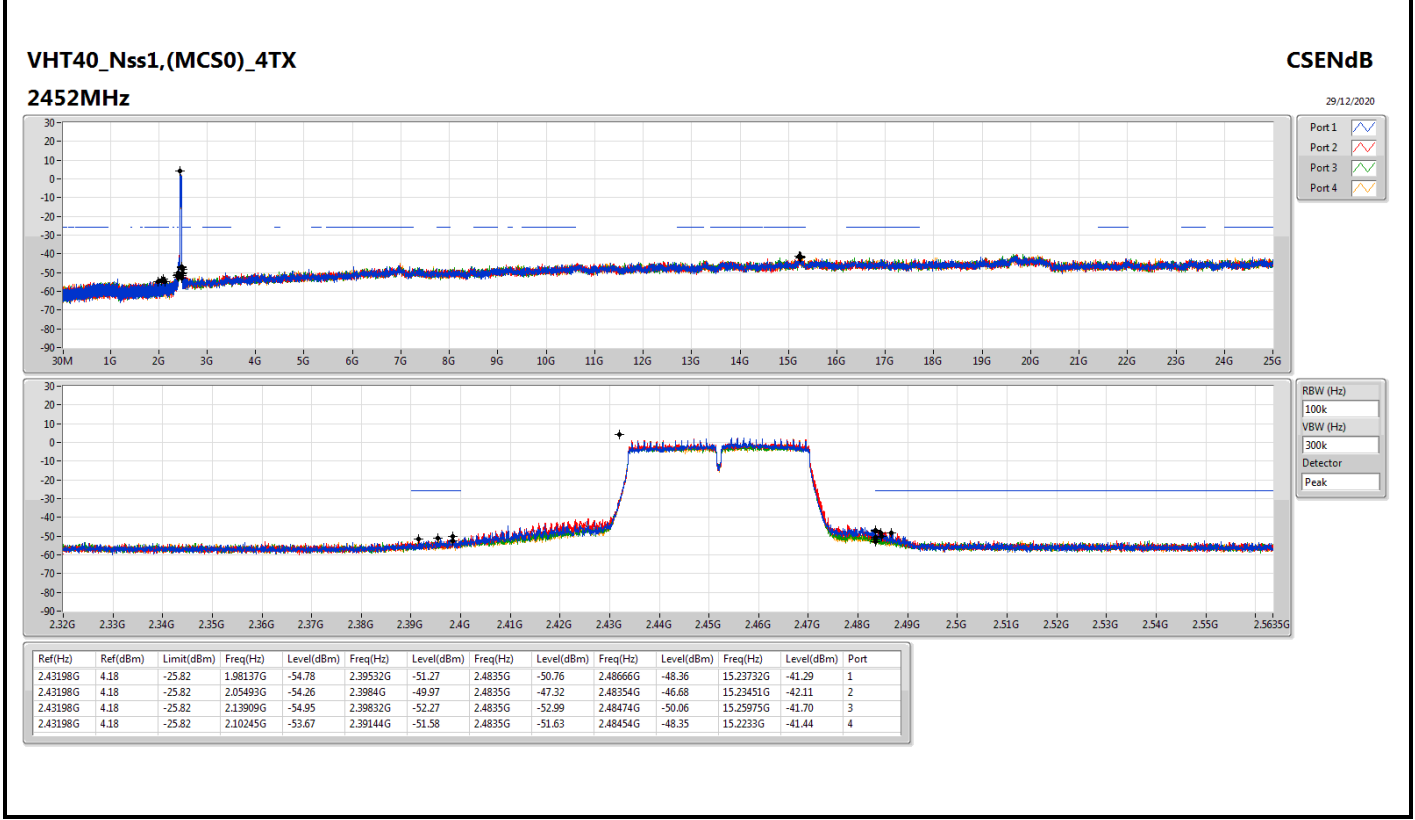
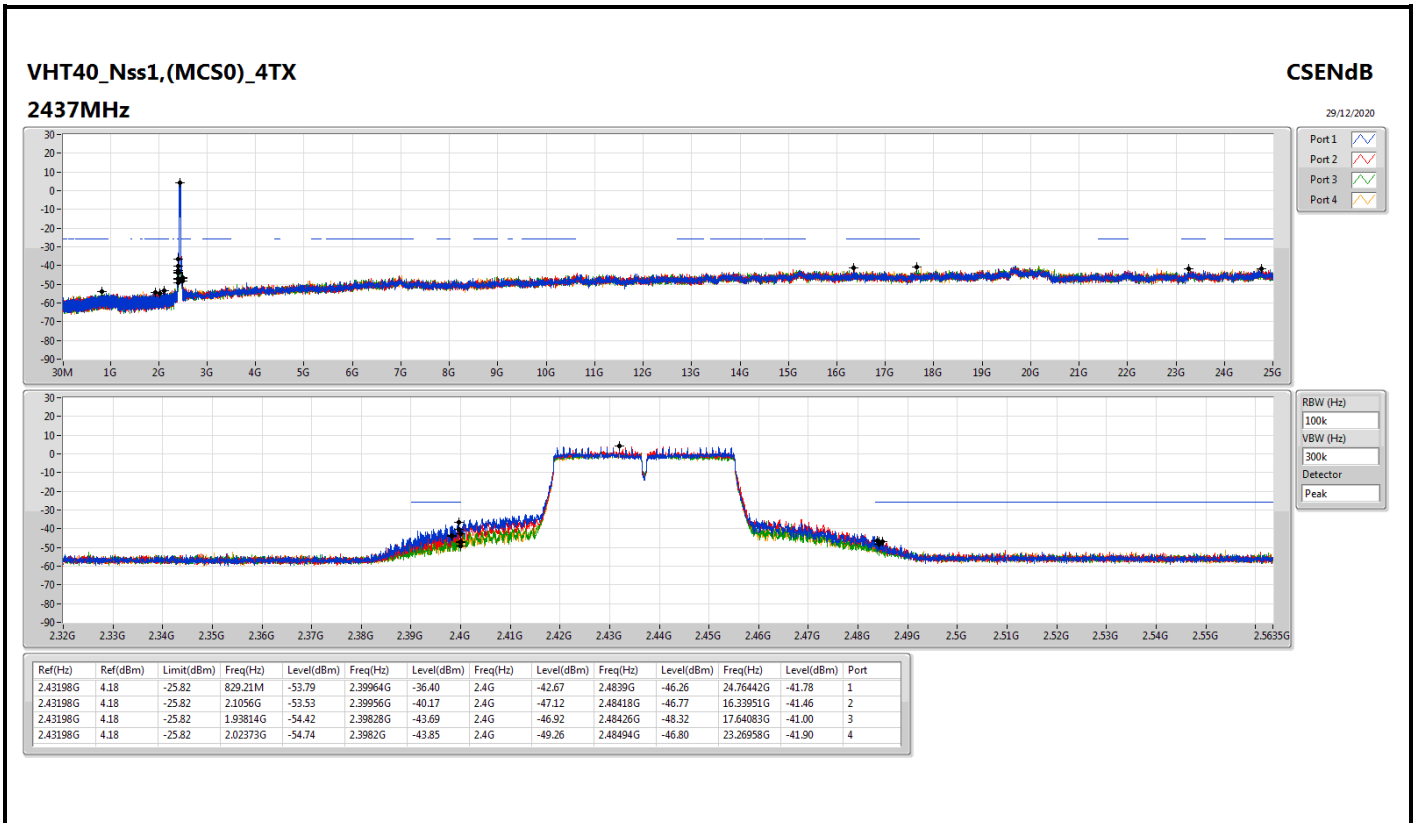


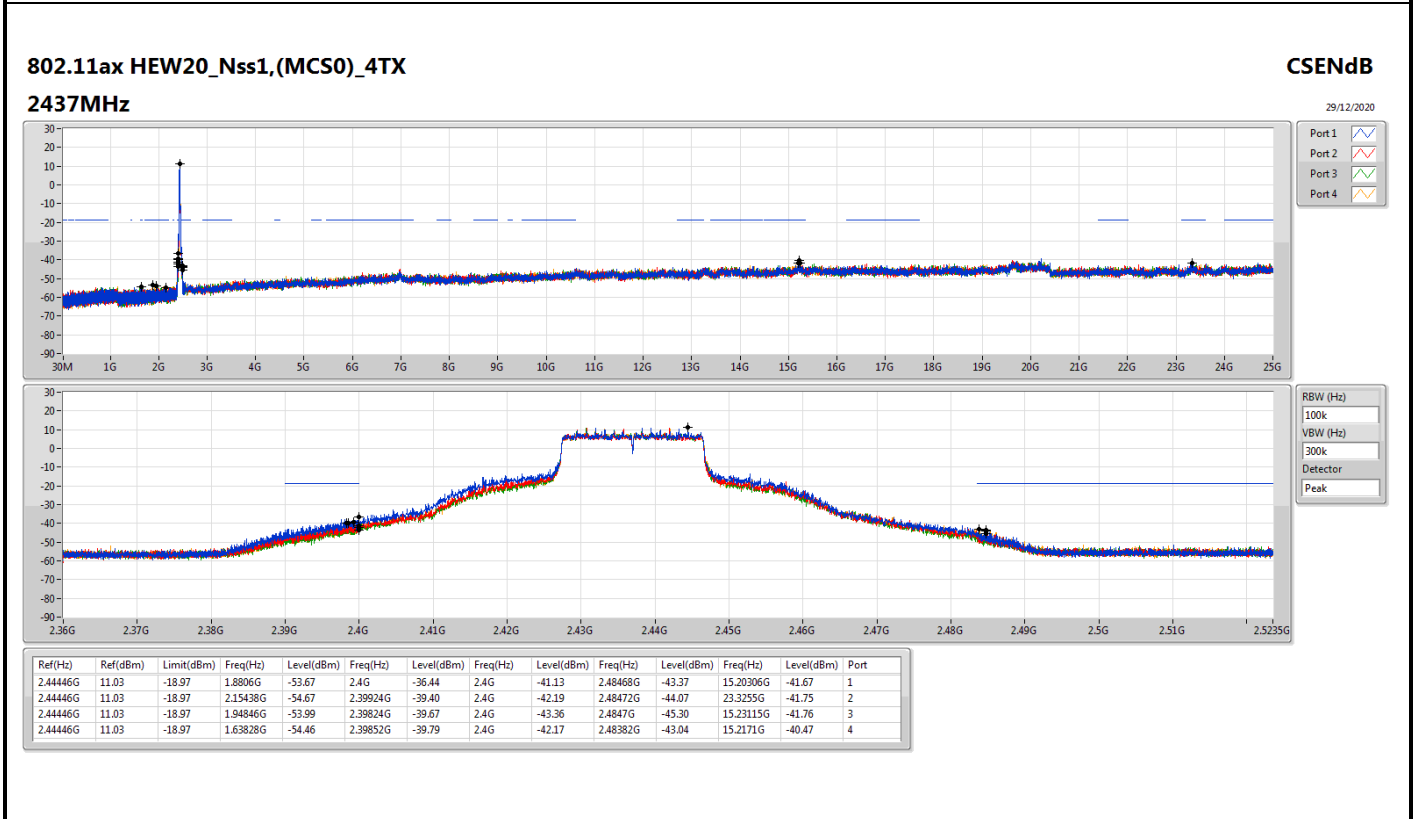
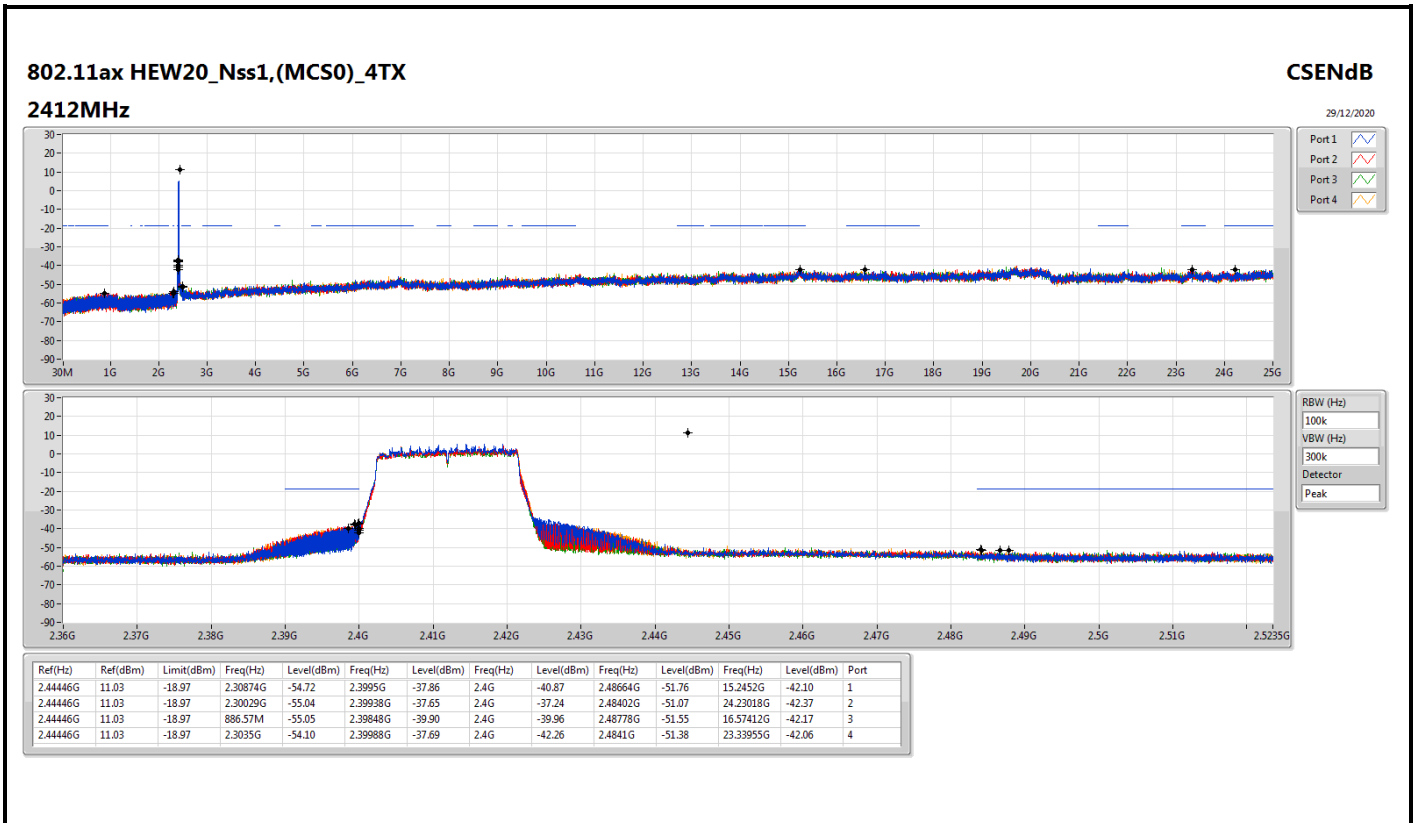


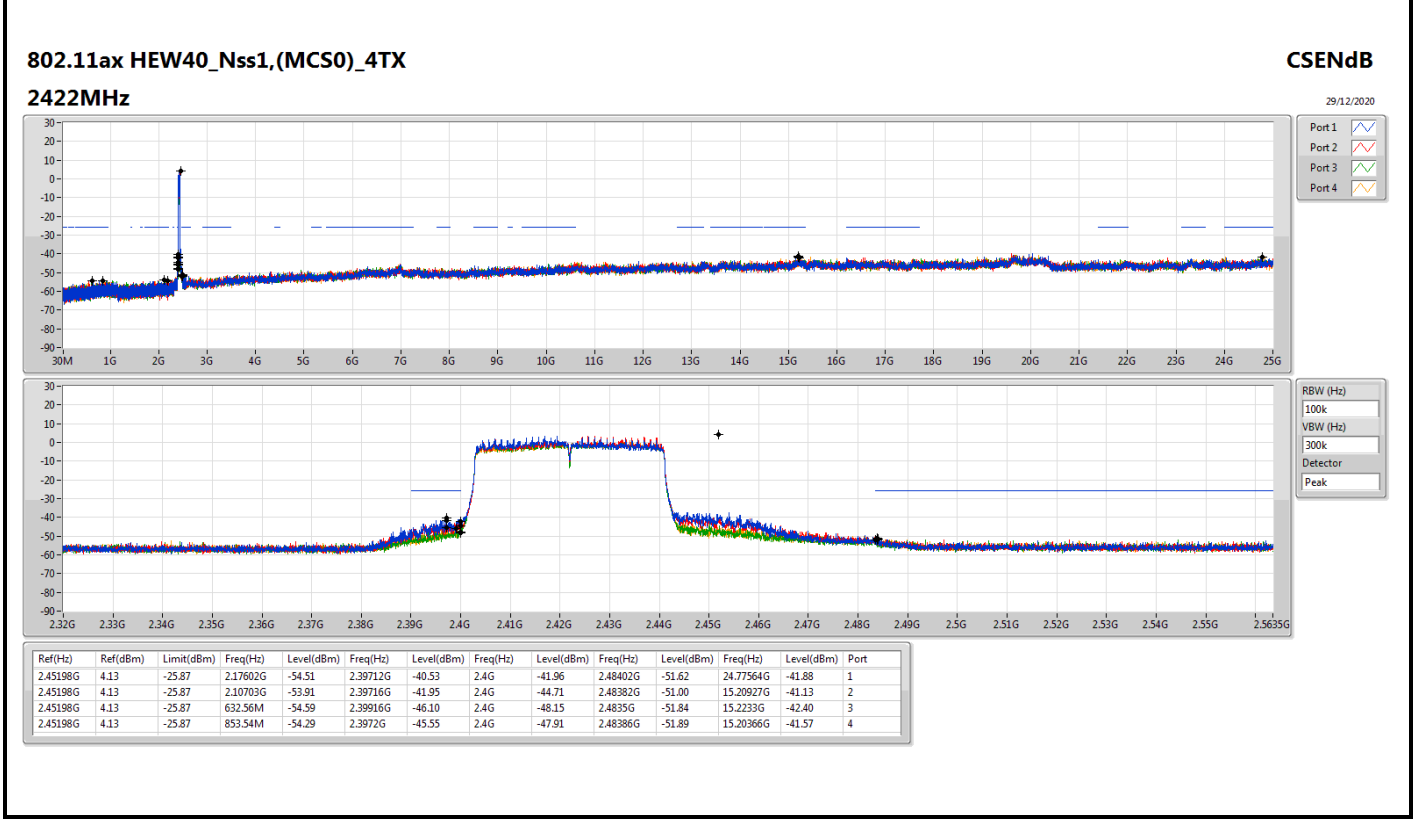
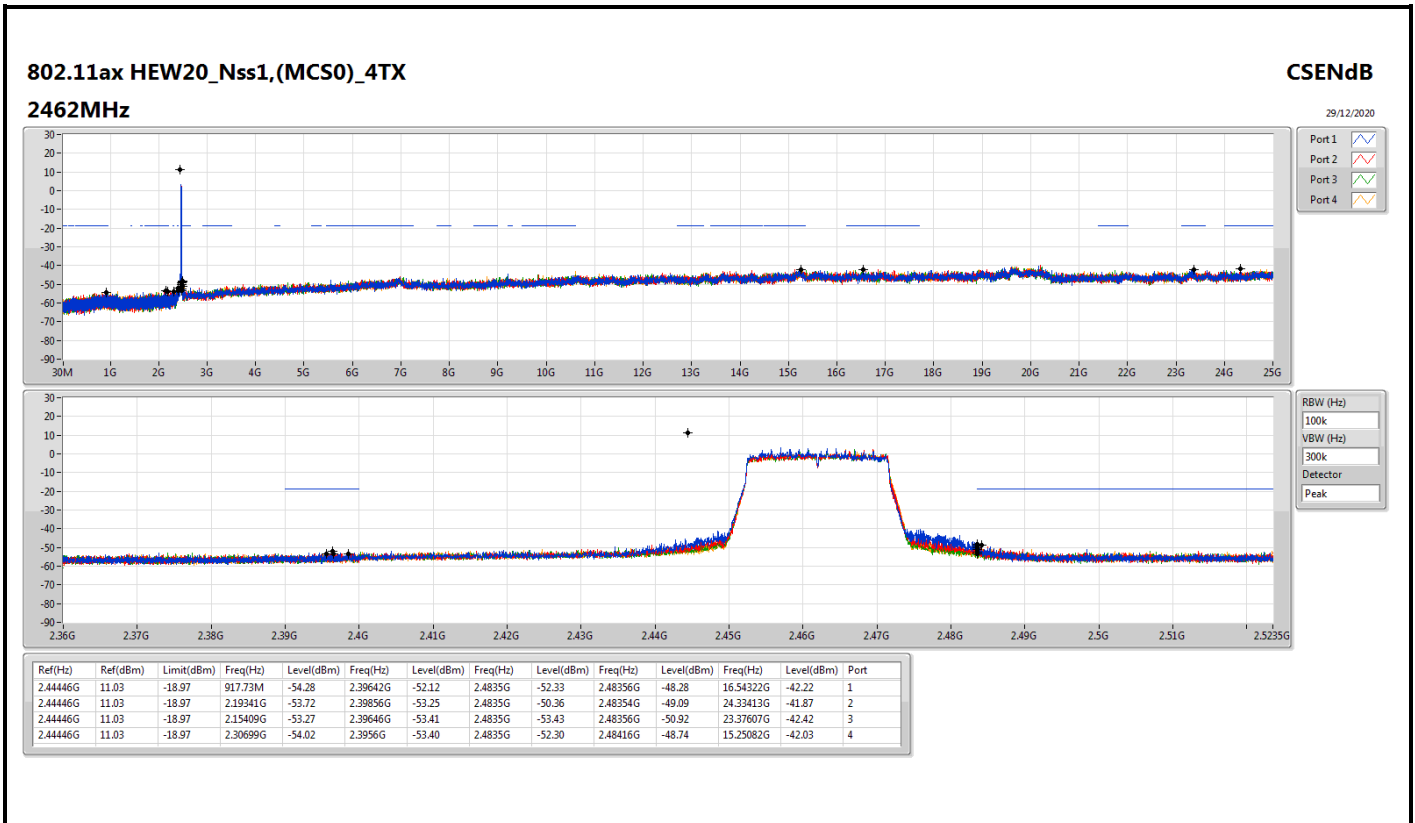


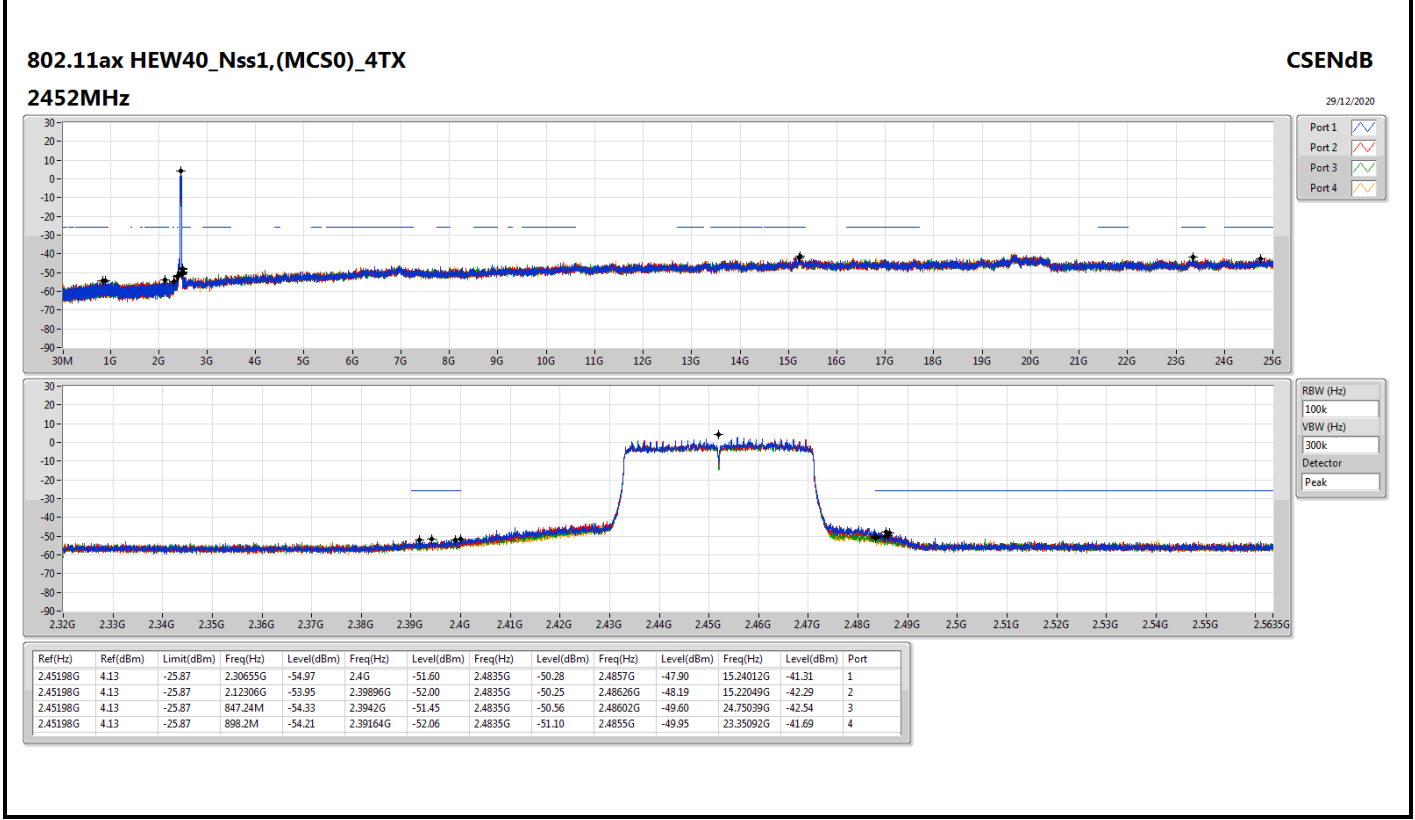
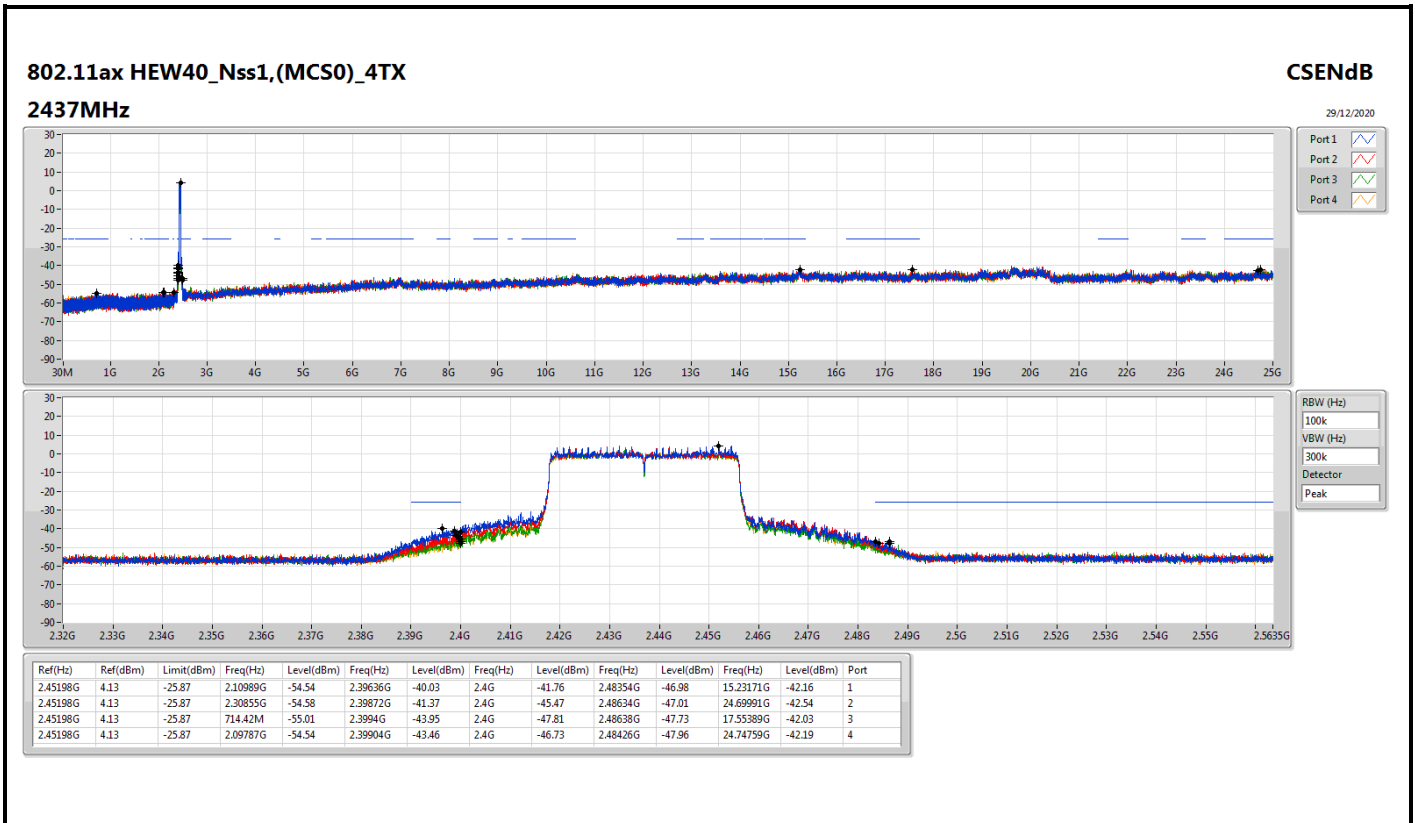














Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41148G	16.51	-13.49	2.30874G	-54.44	2.399G	-30.50	2.4G	-32.71	2.48582G	-47.73	24.01103G	-42.33	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44451G	10.08	-19.92	1.76527G	-54.60	2.3995G	-35.75	2.4G	-37.94	2.48362G	-50.25	24.75557G	-42.16	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44451G	9.77	-20.23	932.58M	-54.81	2.3998G	-40.10	2.4G	-39.53	2.48542G	-50.48	14.22814G	-41.87	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.43198G	4.05	-25.95	2.00856G	-54.01	2.39964G	-40.96	2.4G	-43.83	2.48418G	-45.47	24.9355G	-41.75	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.442G	9.95	-20.05	1.97206G	-54.68	2.4G	-40.42	2.4G	-38.27	2.4845G	-50.77	15.21429G	-42.12	1
VHT40_Nss1,(MCS0)_2TX	Pass	2.43198G	4.26	-25.74	2.03203G	-55.14	2.39964G	-40.15	2.4G	-47.86	2.48526G	-45.18	16.70971G	-42.29	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43198G	9.85	-20.15	1.93245G	-53.60	2.39894G	-37.56	2.4G	-36.94	2.48548G	-50.43	15.22553G	-41.72	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.45202G	3.91	-26.09	2.1285G	-54.91	2.39952G	-35.88	2.4835G	-40.33	2.48354G	-37.75	16.33951G	-41.85	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)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41148G	16.51	-13.49	2.17214G	-53.59	2.399G	-33.53	2.4G	-36.10	2.48478G	-48.11	15.23396G	-42.30	1
2412MHz	Pass	2.41148G	16.51	-13.49	2.30874G	-54.44	2.399G	-30.50	2.4G	-32.71	2.48582G	-47.73	24.01103G	-42.33	2
2437MHz	Pass	2.41148G	16.51	-13.49	2.05128G	-54.80	2.3974G	-47.79	2.4835G	-49.11	2.48634G	-47.67	23.41541G	-41.52	1
2437MHz	Pass	2.41148G	16.51	-13.49	2.15642G	-54.45	2.39956G	-47.98	2.4835G	-49.18	2.48516G	-47.65	16.52355G	-42.40	2
2462MHz	Pass	2.41148G	16.51	-13.49	791.33M	-54.52	2.39428G	-50.40	2.4835G	-49.61	2.48416G	-47.46	24.0307G	-40.76	1
2462MHz	Pass	2.41148G	16.51	-13.49	2.12467G	-53.84	2.39966G	-49.70	2.4835G	-49.44	2.48536G	-46.63	24.41561G	-42.29	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	10.08	-19.92	2.08477G	-54.16	2.3992G	-38.54	2.4G	-39.85	2.4866G	-50.21	23.26931G	-42.16	1
2412MHz	Pass	2.44451G	10.08	-19.92	1.76527G	-54.60	2.3995G	-35.75	2.4G	-37.94	2.48362G	-50.25	24.75557G	-42.16	2
2437MHz	Pass	2.44451G	10.08	-19.92	1.89808G	-53.70	2.39828G	-41.84	2.4G	-42.96	2.48452G	-47.67	15.21148G	-41.79	1
2437MHz	Pass	2.44451G	10.08	-19.92	1.96186G	-54.50	2.39794G	-39.55	2.4G	-44.81	2.48422G	-46.06	15.20306G	-41.92	2
2462MHz	Pass	2.44451G	10.08	-19.92	848.12M	-54.07	2.39638G	-52.23	2.4835G	-51.50	2.48414G	-47.02	24.84266G	-41.32	1
2462MHz	Pass	2.44451G	10.08	-19.92	2.13516G	-53.58	2.3964G	-52.13	2.4835G	-51.42	2.48354G	-44.48	24.87076G	-41.91	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44451G	9.77	-20.23	2.13865G	-53.76	2.39998G	-41.91	2.4G	-41.84	2.4876G	-51.24	24.6179G	-40.83	1
2412MHz	Pass	2.44451G	9.77	-20.23	932.58M	-54.81	2.3998G	-40.10	2.4G	-39.53	2.48542G	-50.48	14.22814G	-41.87	2
2437MHz	Pass	2.44451G	9.77	-20.23	2.30117G	-54.77	2.39992G	-44.65	2.4G	-46.93	2.48458G	-47.51	15.29577G	-41.80	1
2437MHz	Pass	2.44451G	9.77	-20.23	2.13312G	-53.83	2.39726G	-41.51	2.4G	-45.70	2.48392G	-46.53	15.24801G	-42.05	2
2462MHz	Pass	2.44451G	9.77	-20.23	694.34M	-54.76	2.39562G	-52.36	2.4835G	-51.26	2.48402G	-50.34	15.22553G	-41.61	1
2462MHz	Pass	2.44451G	9.77	-20.23	2.08972G	-53.87	2.39732G	-51.17	2.4835G	-50.02	2.48486G	-48.23	16.73989G	-41.01	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	4.05	-25.95	1.96562G	-55.23	2.39976G	-43.60	2.4G	-47.10	2.48458G	-50.50	24.64943G	-42.37	1
2422MHz	Pass	2.43198G	4.05	-25.95	901.35M	-53.57	2.39952G	-44.84	2.4G	-45.69	2.48378G	-49.24	24.34934G	-42.06	2
2437MHz	Pass	2.43198G	4.05	-25.95	2.00856G	-54.01	2.39964G	-40.96	2.4G	-43.83	2.48418G	-45.47	24.9355G	-41.75	1
2437MHz	Pass	2.43198G	4.05	-25.95	2.091G	-54.00	2.3996G	-41.34	2.4G	-46.76	2.48458G	-44.92	15.20927G	-41.68	2
2452MHz	Pass	2.43198G	4.05	-25.95	1.79416G	-54.17	2.39968G	-48.35	2.4835G	-47.68	2.48426G	-46.78	24.72515G	-42.00	1
2452MHz	Pass	2.43198G	4.05	-25.95	2.16228G	-54.23	2.39728G	-49.92	2.4835G	-49.54	2.48434G	-45.40	24.68308G	-42.41	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.442G	9.95	-20.05	1.97206G	-54.68	2.4G	-40.42	2.4G	-38.27	2.4845G	-50.77	15.21429G	-42.12	1
2412MHz	Pass	2.442G	9.95	-20.05	2.30466G	-54.64	2.39998G	-41.14	2.4G	-41.76	2.4858G	-51.24	15.2171G	-42.08	2
2437MHz	Pass	2.442G	9.95	-20.05	2.14564G	-54.52	2.39828G	-43.21	2.4G	-47.24	2.48384G	-47.16	24.71342G	-41.62	1
2437MHz	Pass	2.442G	9.95	-20.05	2.17855G	-54.05	2.39854G	-41.75	2.4G	-45.68	2.48702G	-46.96	15.21429G	-41.94	2
2462MHz	Pass	2.442G	9.95	-20.05	932.88M	-54.55	2.39894G	-51.86	2.4835G	-51.69	2.48418G	-49.20	24.68533G	-41.28	1
2462MHz	Pass	2.442G	9.95	-20.05	2.00934G	-54.65	2.39402G	-52.18	2.4835G	-49.45	2.48382G	-48.89	13.85166G	-41.75	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43198G	4.26	-25.74	1.80876G	-54.69	2.397G	-44.28	2.4G	-45.96	2.48838G	-50.80	13.64994G	-41.90	1
2422MHz	Pass	2.43198G	4.26	-25.74	2.11562G	-54.77	2.397G	-45.45	2.4G	-45.48	2.48434G	-50.43	24.96635G	-41.72	2
2437MHz	Pass	2.43198G	4.26	-25.74	2.05951G	-54.27	2.39964G	-40.82	2.4G	-45.46	2.48382G	-43.80	17.66326G	-42.01	1
2437MHz	Pass	2.43198G	4.26	-25.74	2.03203G	-55.14	2.39964G	-40.15	2.4G	-47.86	2.48526G	-45.18	16.70971G	-42.29	2
2452MHz	Pass	2.43198G	4.26	-25.74	1.82593G	-54.81	2.39992G	-48.91	2.4835G	-47.67	2.4881G	-46.92	15.2261G	-40.86	1
2452MHz	Pass	2.43198G	4.26	-25.74	2.1889G	-54.94	2.39836G	-48.85	2.4835G	-45.20	2.48398G	-44.90	15.24012G	-42.34	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43198G	9.85	-20.15	2.14972G	-53.69	2.39868G	-38.50	2.4G	-38.37	2.48404G	-50.31	24.57576G	-41.85	1
2412MHz	Pass	2.43198G	9.85	-20.15	1.93245G	-53.60	2.39894G	-37.56	2.4G	-36.94	2.48548G	-50.43	15.22553G	-41.72	2
2437MHz	Pass	2.43198G	9.85	-20.15	1.98225G	-54.49	2.3996G	-42.76	2.4G	-44.97	2.48376G	-45.23	24.76119G	-42.09	1
2437MHz	Pass	2.43198G	9.85	-20.15	2.18496G	-54.64	2.39952G	-41.59	2.4G	-44.02	2.48366G	-45.38	23.31426G	-42.43	2
2462MHz	Pass	2.43198G	9.85	-20.15	1.93681G	-53.99	2.39744G	-52.42	2.4835G	-49.74	2.4839G	-46.63	15.20587G	-42.04	1
2462MHz	Pass	2.43198G	9.85	-20.15	1.97526G	-53.94	2.39622G	-53.01	2.4835G	-47.48	2.48404G	-44.69	15.20306G	-42.22	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45202G	3.91	-26.09	2.30168G	-53.95	2.39676G	-41.23	2.4G	-42.93	2.48578G	-50.05	23.35092G	-41.57	1
2422MHz	Pass	2.45202G	3.91	-26.09	1.93986G	-53.75	2.39894G	-39.19	2.4G	-46.01	2.48534G	-49.02	15.25134G	-41.78	2
2437MHz	Pass	2.45202G	3.91	-26.09	2.14482G	-54.74	2.39892G	-36.85	2.4835G	-41.76	2.48362G	-42.13	24.84575G	-41.51	1
2437MHz	Pass	2.45202G	3.91	-26.09	2.1285G	-54.91	2.39952G	-35.88	2.4835G	-40.33	2.48354G	-37.75	16.33951G	-41.85	2
2452MHz	Pass	2.45202G	3.91	-26.09	1.83481G	-54.38	2.3986G	-44.13	2.4835G	-42.36	2.4835G	-38.84	15.20366G	-41.56	1
2452MHz	Pass	2.45202G	3.91	-26.09	2.16857G	-54.55	2.39856G	-44.11	2.4835G	-41.80	2.48362G	-38.65	24.77564G	-41.46	2

