

FCC Radio Test Report

FCC ID : C3K2029
Equipment : Portable Computing Device
Brand Name : Microsoft
Model Name : 2029
Applicant : Microsoft Corporation
One Microsoft Way Redmond, WA 98052-6399, U.S.A
Manufacturer : Microsoft Corporation
One Microsoft Way Redmond, WA 98052-6399, U.S.A
Standard : 47 CFR FCC Part 15.247

The product was received on Jan. 03, 2023, and testing was started from Jan. 09, 2023 and completed on Jun. 05, 2023. 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: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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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: Ben Tseng

Report Producer: Michelle Tsai



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), ax(HEW20)	2412-2472	1-13 [13]
2400-2483.5	n (HT40), ax(HEW40)	2422-2452	3-9 [7]

Full RU

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

Partial RU

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20	20	1TX(Port 1)
2.4-2.4835GHz	802.11ax HEW20	20	1TX(Port 2)
2.4-2.4835GHz	802.11ax HEW20	20	2TX
2.4-2.4835GHz	802.11ax HEW40	40	1TX(Port 1)
2.4-2.4835GHz	802.11ax HEW40	40	1TX(Port 2)
2.4-2.4835GHz	802.11ax HEW40	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.
- ◆ 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	Amphenol	CNF964-16-000-R	PIFA	I-PEX
2	Amphenol	CNF965-16-000-R	PIFA	I-PEX

Ant.	Port	Gain (dBi)						
		2.4GHz	Bluetooth	5GHz				
				U-NII-1	U-NII-2A	U-NII-2C	U-NII-3	U-NII-4
1(Aux)	1	4.57	4.57	4.83	5.23	5.89	6.02	5.77
2(Main)	2	4.77	-	4.11	5.43	6.16	5.85	5.74

Ant.	Port	Gain (dBi)			
		6GHz			
		U-NII-5	U-NII-6	U-NII-7	U-NII-8
1(Aux)	1	7.02	7.74	7.74	4.59
2(Main)	2	6.92	7.45	7.45	5.10

Note 1: The EUT has two antennas.

Note 2: The transmit signals are completely uncorrelated, the Directional Gain=
 $10 \log[(10^{G1/10} + 10^{G2/10} + \dots + 10^{GN/10})/N_{ANT}]$ dBi

For 2.4GHz function:

For IEEE 802.11 b/g/n/ax mode (1TX/1RX)
 Support diversity function and tested on each single chain.
 For IEEE 802.11 n/ax mode (2TX/2RX)
 Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For BT function:

For IEEE 802.15.1 Bluetooth mode (1TX/1RX)
 Ant. 1 (port 1) can be used as transmitting/receiving antenna.

For 5GHz function:

For IEEE 802.11 a/n/ac/ax mode (1TX/1RX)
 Support diversity function and tested on each single chain.
 For IEEE 802.11 a/n/ac/ax mode (2TX/2RX)
 Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

For 6GHz function:

For IEEE 802.11 ax mode (1TX/1RX)
 Support diversity function and tested on each single chain.
 For IEEE 802.11 ax mode (2TX/2RX)
 Ant. 1 (port 1) and Ant. 2 (port 2) could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / Battery		
EUT Function	<input checked="" type="checkbox"/> Point-to-multipoint	<input type="checkbox"/> Point-to-point	
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming	
Resource Unit(802.11ax)	<input checked="" type="checkbox"/> Full RU	<input checked="" type="checkbox"/> Partial RU	
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 Mode Test Duty Cycle

Full RU

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_1TX(Port1)	0.975	0.11	8.353m	300
802.11b_Nss1,(1Mbps)_1TX(Port2)	0.975	0.11	8.353m	300
802.11g_Nss1,(6Mbps)_1TX(Port1)	0.965	0.15	1.321m	1k
802.11g_Nss1,(6Mbps)_1TX(Port2)	0.965	0.15	1.321m	1k
802.11n HT20_Nss1,(MCS0)_2TX(Port1)	0.967	0.15	1.337m	1k
802.11n HT20_Nss1,(MCS0)_2TX(Port2)	0.967	0.15	1.337m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.967	0.15	1.337m	1k
802.11n HT40_Nss1,(MCS0)_2TX(Port1)	0.967	0.15	1.329m	1k
802.11n HT40_Nss1,(MCS0)_2TX(Port2)	0.967	0.15	1.329m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.967	0.15	1.329m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX(Port1)	0.952	0.21	888.125u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX(Port2)	0.952	0.21	888.125u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.952	0.21	888.125u	3k
802.11ax HEW40_Nss1,(MCS0)_2TX(Port1)	0.95	0.22	870.625u	3k
802.11ax HEW40_Nss1,(MCS0)_2TX(Port2)	0.95	0.22	870.625u	3k
802.11ax HEW40_Nss1,(MCS0)_2TX	0.95	0.22	870.625u	3k

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



Full RU



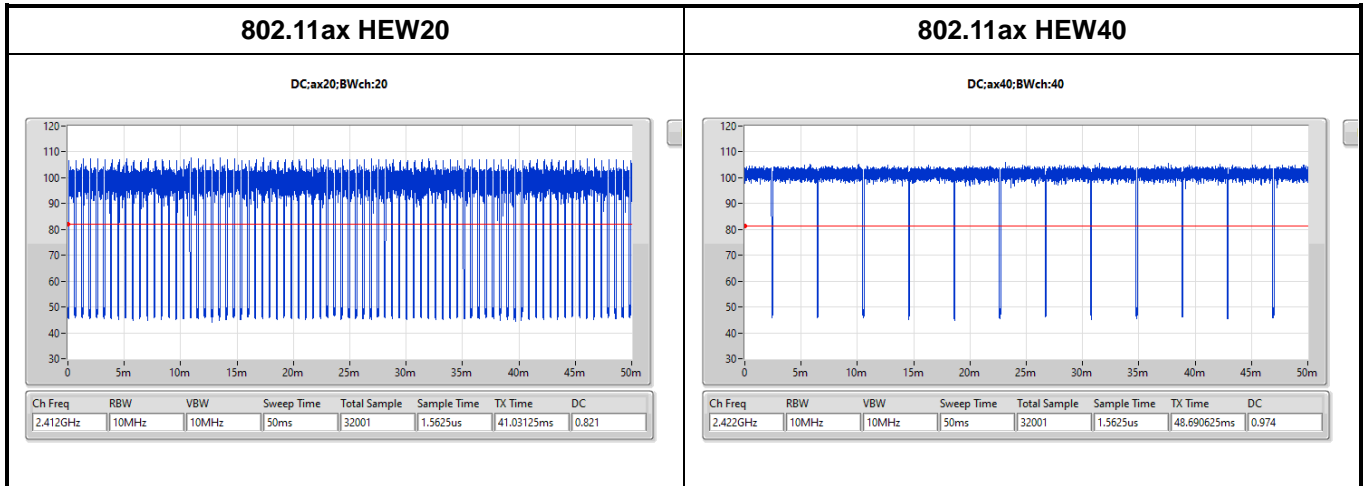


Partial RU

Mode	DC	DCF(dB)	T(s)	VBW(Hz) \geq 1/T
802.11ax HEW20_Nss1,(MCS0),_2TX	0.821	0.86	525u	3k
802.11ax HEW40_Nss1,(MCS0),_2TX	0.974	0.11	3.938m	300

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

Partial RU





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 662911 D03 v01
- ♦ 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	Daniel Lin	21.0~22.1°C / 51~56%	12/Jan/2023
RF Conducted	TH06-HY	Jin Jing	21.8~23.6°C / 52~68%	23/Jan/2023~23/May/2023
<input checked="" 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.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
Radiated	03CH09-HY	Henry Ho	21.5~22.2°C / 51~56%	09/Jan/2023~08/Mar/2023
Radiated (Co-location)	03CH09-HY	Edward Wang	22.2~23.4°C / 50~52%	05/Jun/2023

1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 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

Full RU

Test Software Version	DRTU Version: DRTU.03227.22.190.0
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Partial RU

Test Software Version	DRTU Version: DRTU.03227.22.190.0
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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	Adapter Mode
2	Adapter Mode (Full Port)

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	Adapter Mode		
2	Adapter Mode (Full Port)		
Operating Mode > 1GHz	CTX		
Three EUT configure modes were pretest, only the worst case was performed and recorded in this test report. EUT configure modes are described in the operational description.			
Orthogonal Planes of EUT	X Plane	Y Plane	Z Plane
			
Worst Planes of EUT			V



The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	2.4GHz WLAN + Bluetooth
2	5GHz WLAN + Bluetooth
3	5.9GHz WLAN + Bluetooth
4	6GHz WLAN + Bluetooth

Refer to Sporton Test Report No.: FA310101 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.

2.3 Accessories

Adapter 1	Brand Name	Microsoft	Model Name	1932
	Manufacturer	Chicony	SN	-
	Power Rating	I/P:100-240Vac,1.91A,O/P:15.0Vdc,8.0A,120.0W,5.0Vdc,1.5A,7.5W		
Adapter 2	Brand Name	Microsoft	Model Name	1798
	Manufacturer	Chicony	SN	-
	Power Rating	I/P:100-240Vac,1.5A,O/P:15.0Vdc,6.33A,95.0W,5.0Vdc,1.5A,7.5W		
Power Cord 1	Brand Name	Voilex (Asia) Pte Ltd	Model Name	X908885
Power Cord 2	Brand Name	WELL SHIN TECHNOLOGY CO.,LTD	Model Name	X908885
Stylus	Brand Name	Microsoft	Model Name	1962
Battery 1	Brand Name	SMP	Model Name	G3HTA071H
Battery 2	Brand Name	SMP	Model Name	G3HTA072H

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

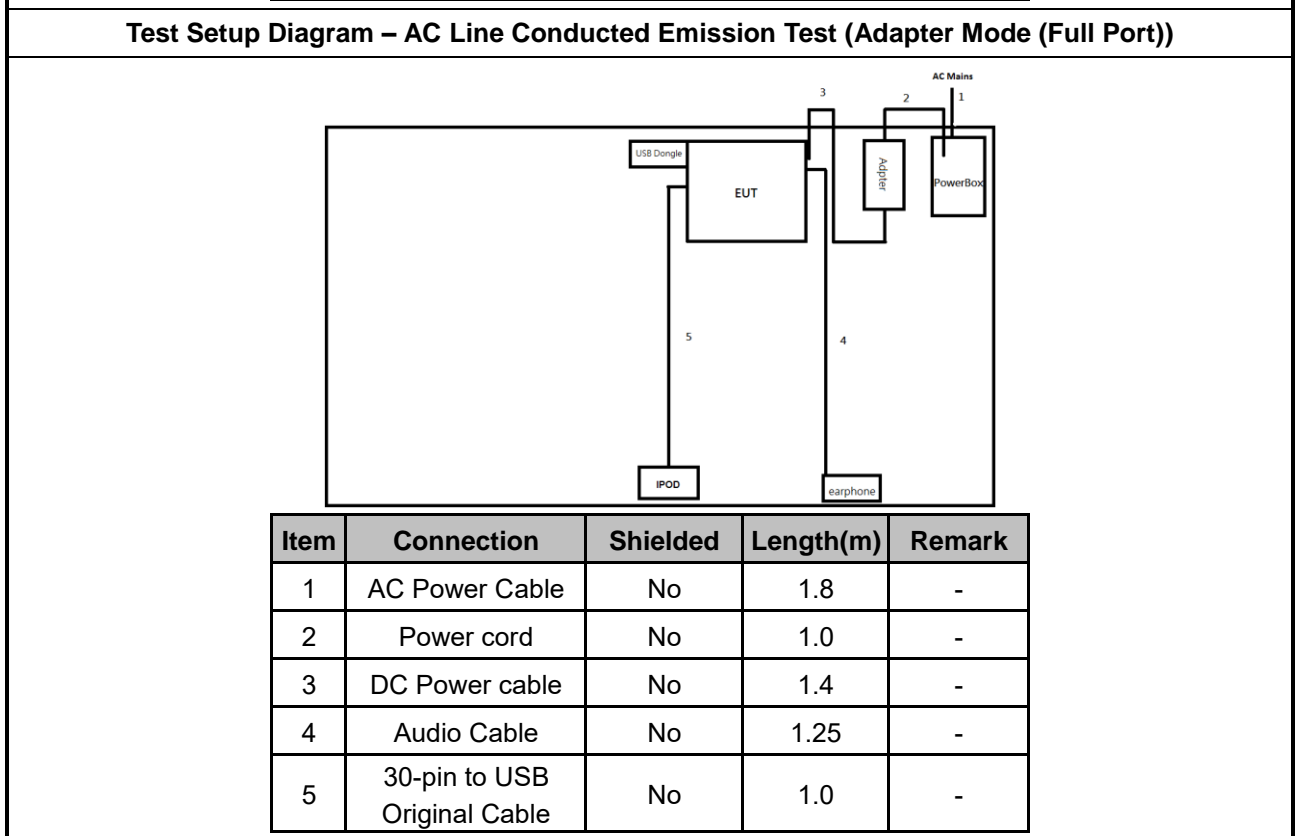
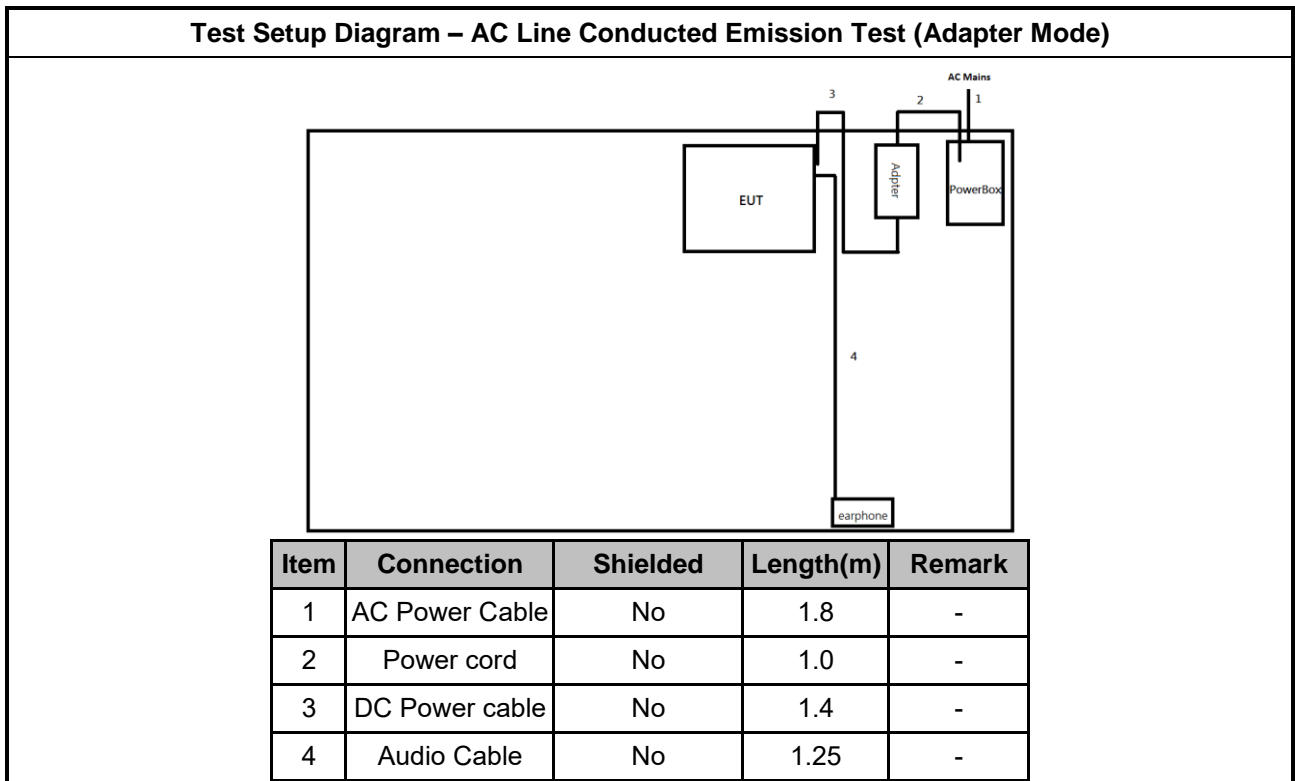
2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	iPod	Apple	A1199	-	-
2	30-pin to USB Original cable	Apple	MA591GC	-	-
3	Earphone	Apple	MD827FE/A	-	-
4	USB Dongle*2	SanDisk	SDDDC4	-	-

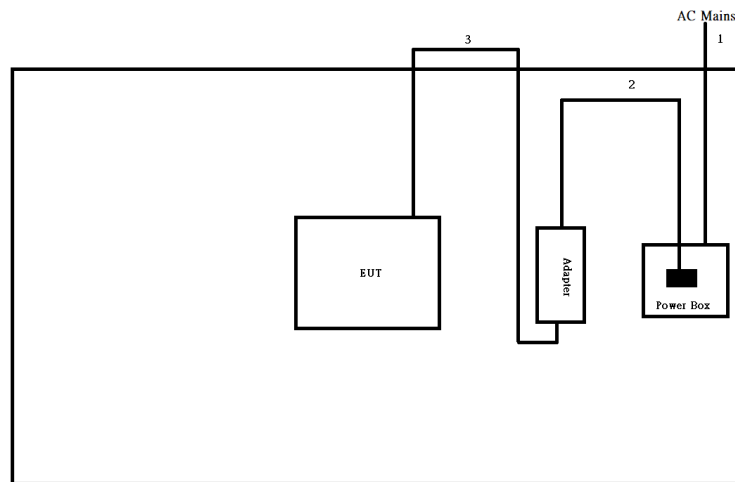
Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Mouse	lenovo	MOGOUO	-	-
2	Earphone	EDSDS	EDS-C438	-	-
3	iPod	Apple	A1199	-	-
4	USB Dongle*2	SanDisk	SDDDC4	-	-

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

2.5 Test Setup Diagram

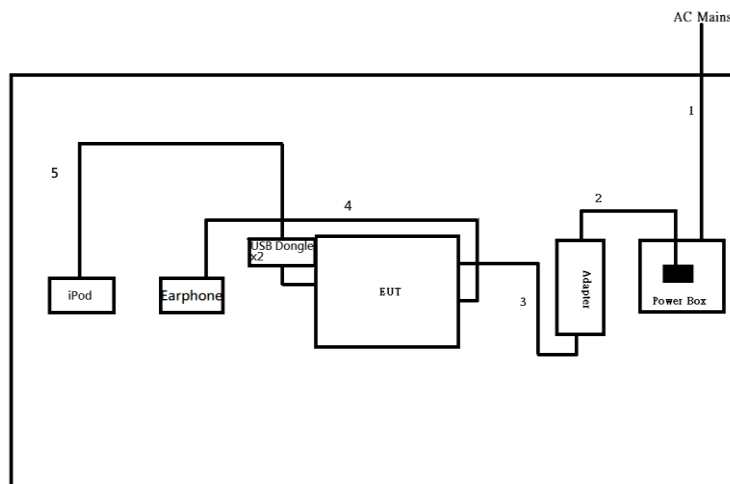


Test Setup Diagram - Radiated Test (Adapter Mode)



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	AC Power Cable	No	1.0	-
3	DC Power cable	No	1.4	-

Test Setup Diagram - Radiated Test(Adapter Mode (Full Port))



Item	Connection	Shielded	Length(m)	Remark
1	AC Power Cable	No	1.8	-
2	AC Power Cable	No	1.0	-
3	DC Power cable	No	1.4	-
4	Audio Cable	No	1.25	-
5	30-pin to USB Original Cable	No	1.25	-



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

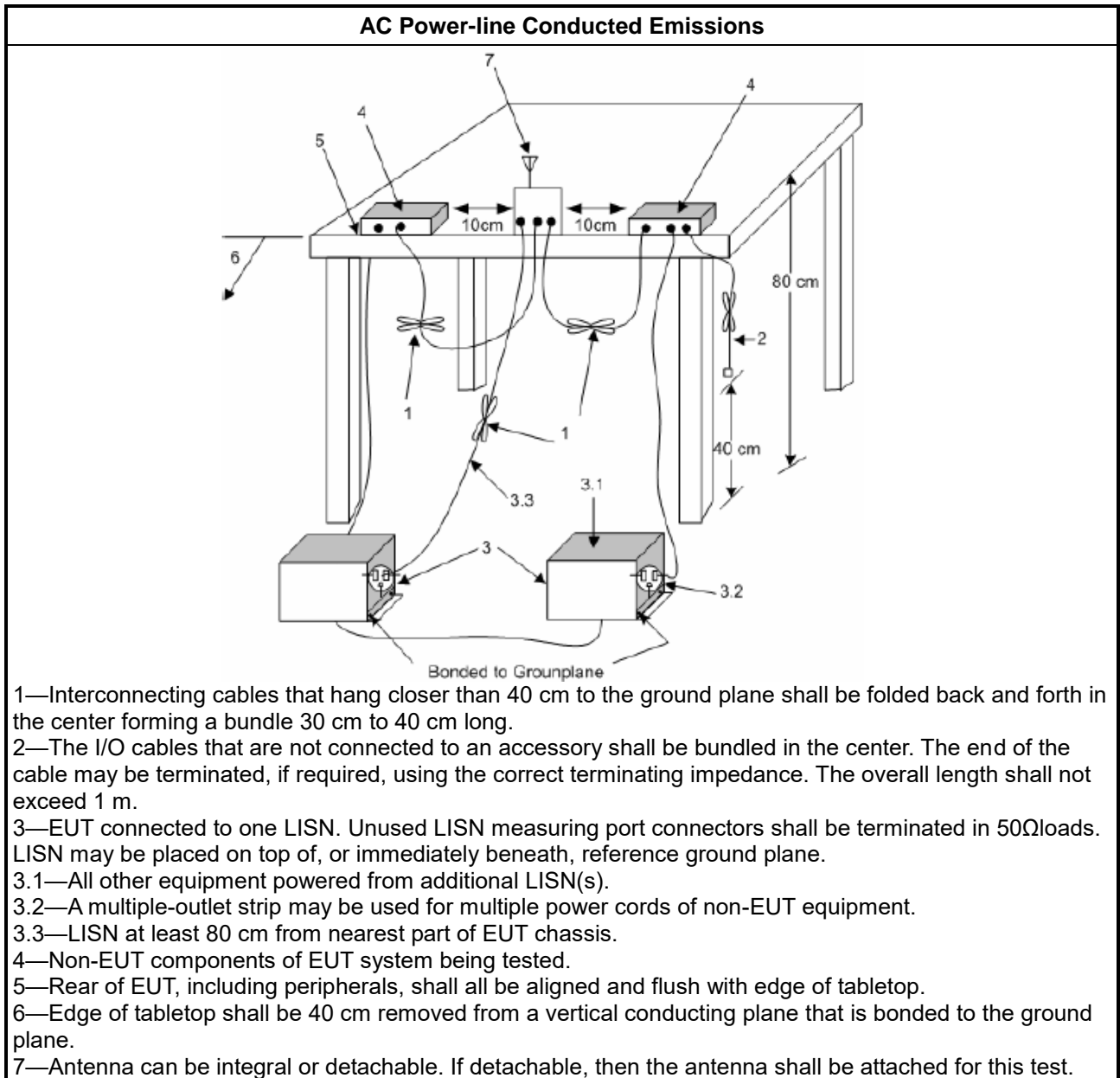
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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.

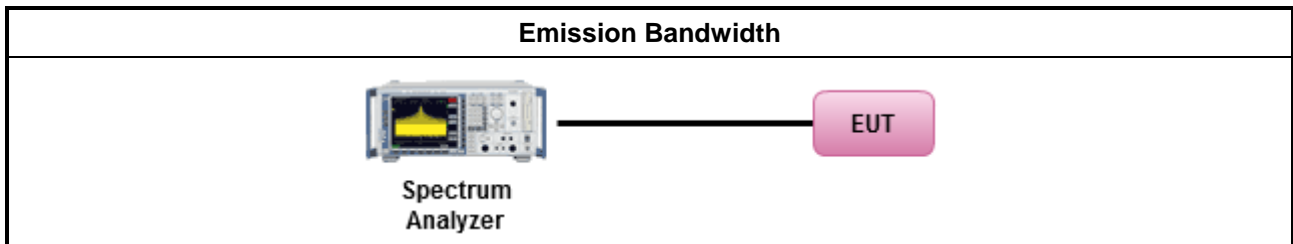
3.2.2 Measuring Instruments

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.	

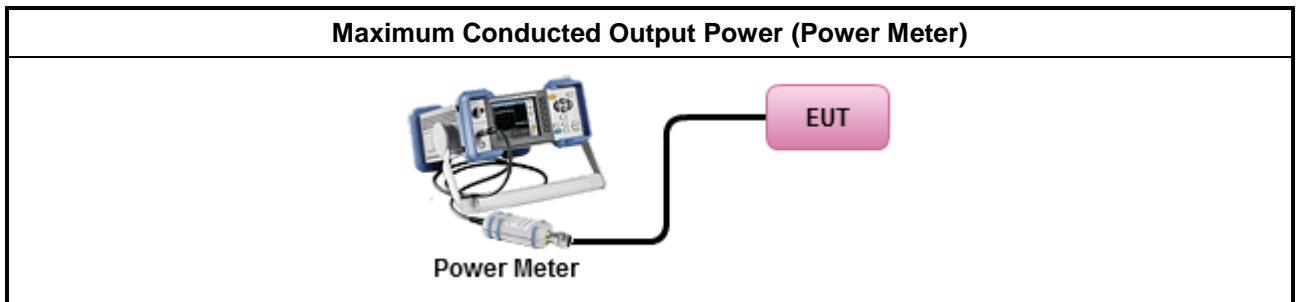
3.3.2 Measuring Instruments

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

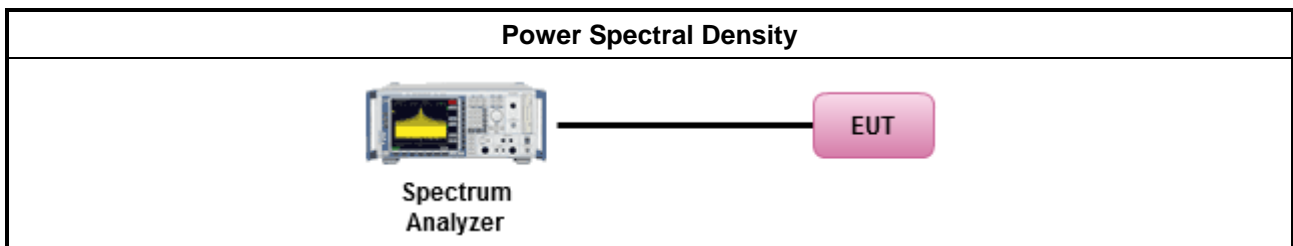
3.4.2 Measuring Instruments

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.

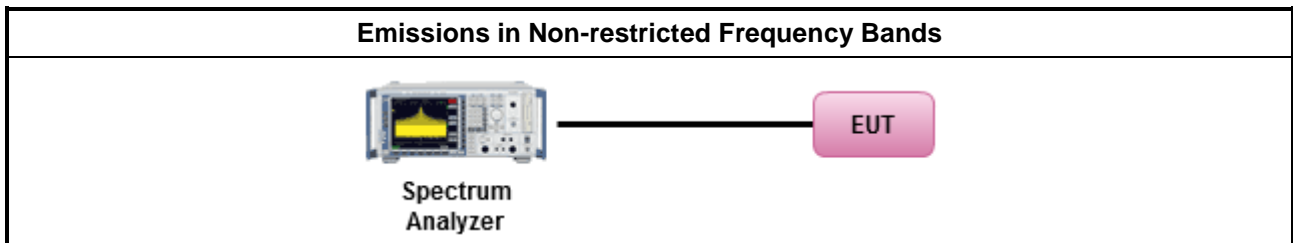
3.5.2 Measuring Instruments

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

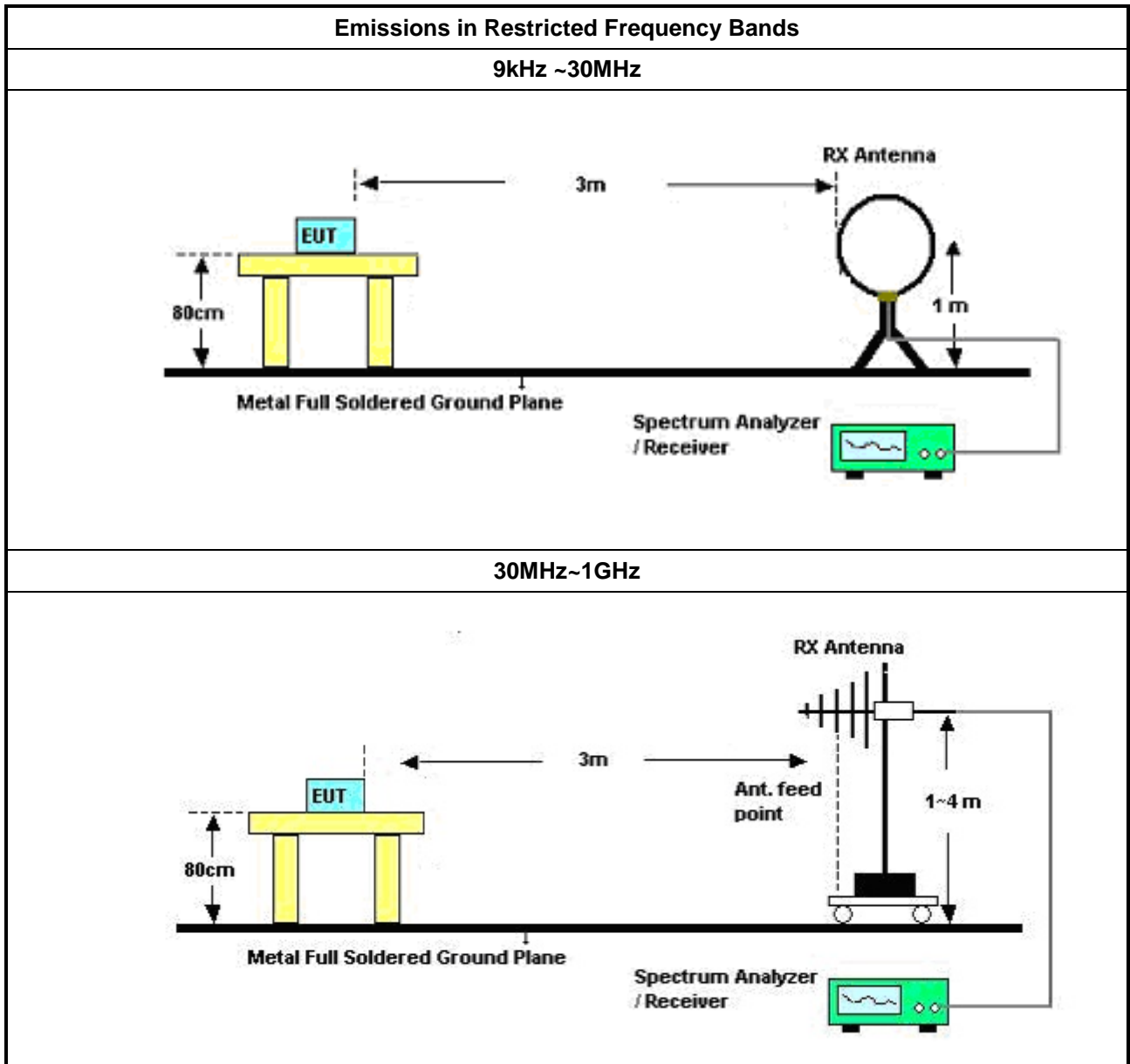
Test Method	
	<ul style="list-style-type: none"> ▪ The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
	<ul style="list-style-type: none"> ▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel 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.

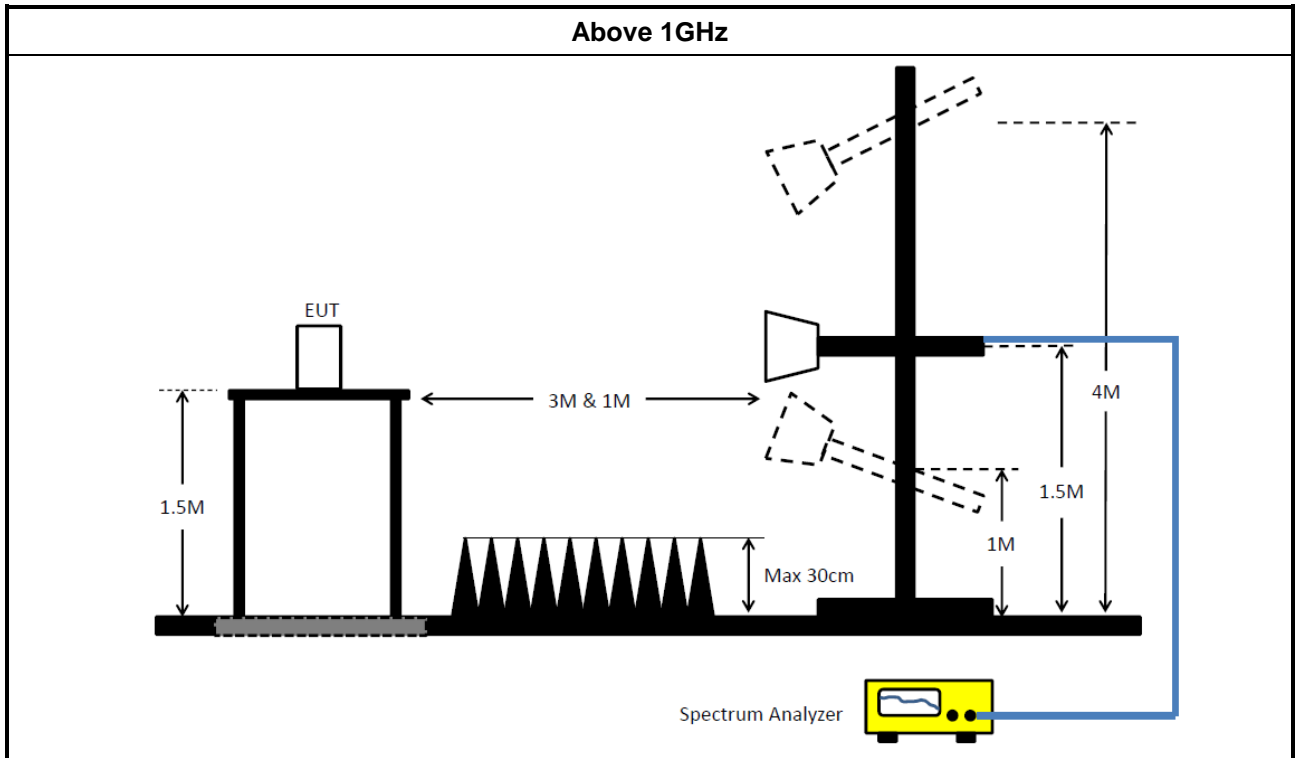
3.6.4 Measurement Results Calculation

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)

Parallel, perpendicular, and ground-parallel orientations of the antenna are set to make the measurement. The parallel orientation was found to be the worst case scenario. 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	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

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	10/Nov/2022	09/Nov/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	25/Mar/2022	24/Mar/2023
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	25/Mar/2022	24/Mar/2023
SENSE-15247_DTS	Sporton	V5.11	N/A	N/A	N/A	N/A
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	15/Feb/2023	14/Feb/2024
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	15/Feb/2023	14/Feb/2024

Instrument for Radiated Test (Co-location)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Site V.S.W.R	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	14/Mar/2023	13/Mar/2024
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz ~ 18GHz	30/Dec/2022	29/Dec/2023
Microwave Pre-amplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	21/Feb/2023	20/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	25/Mar/2023	24/Mar/2024
Microwave Pre-amplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	16/Mar/2023	15/Mar/2024
SENSE-EMI	Sporton	V5.11	NA	NA	NA	NA

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	26/Dec/2022	25/Dec/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	09/Dec/2022	08/Dec/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1534	1GHz ~ 18GHz	10/Mar/2022	09/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Preamplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	01248	18GHz~40GHz	22/Aug/2022	21/Aug/2023
Amplifier	EM	EM18G40GA	060874	18GHz ~40GHz	23/Aug/2022	22/Aug/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	30/May/2022	29/May/2023



Summary

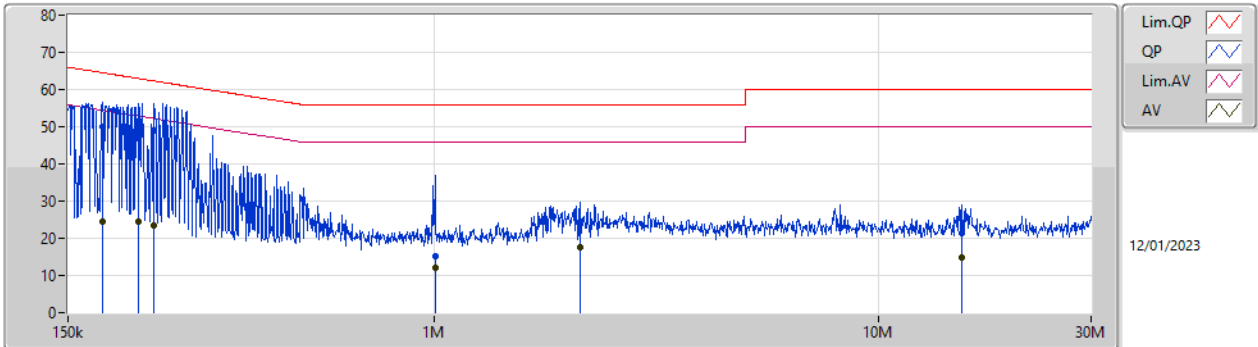
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	261.263k	48.95	61.39	-12.44	Neutral
Mode 2	Pass	QP	312.676k	48.76	59.90	-11.14	Line



Result

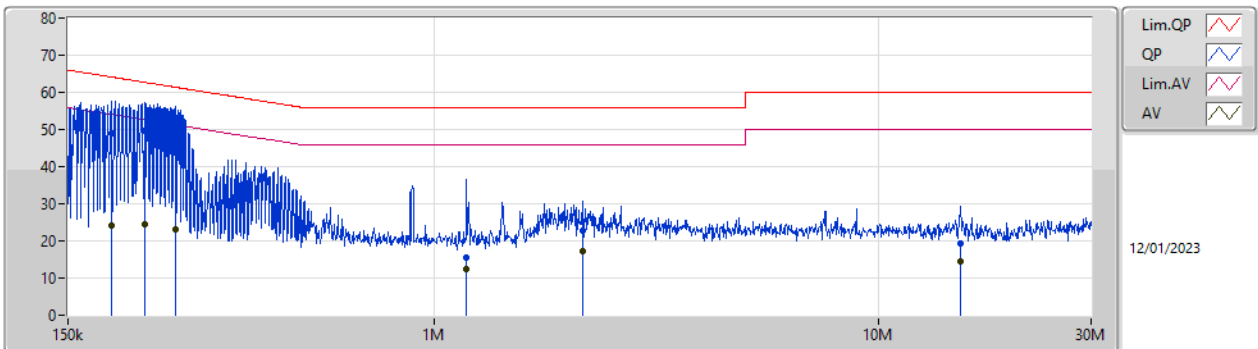
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	179.518k	49.86	64.51	-14.65	Line	-
Mode 1	Pass	AV	179.518k	24.63	54.51	-29.88	Line	-
Mode 1	Pass	QP	215.704k	49.48	62.98	-13.50	Line	-
Mode 1	Pass	AV	215.704k	24.51	52.98	-28.47	Line	-
Mode 1	Pass	QP	234.567k	49.11	62.29	-13.18	Line	-
Mode 1	Pass	AV	234.567k	23.57	52.29	-28.72	Line	-
Mode 1	Pass	QP	1.003M	15.28	56.00	-40.72	Line	-
Mode 1	Pass	AV	1.003M	12.08	46.00	-33.92	Line	-
Mode 1	Pass	QP	2.133M	24.41	56.00	-31.59	Line	-
Mode 1	Pass	AV	2.133M	17.71	46.00	-28.29	Line	-
Mode 1	Pass	QP	15.389M	21.23	60.00	-38.77	Line	-
Mode 1	Pass	AV	15.389M	14.71	50.00	-35.29	Line	-
Mode 1	Pass	QP	187.577k	48.97	64.15	-15.18	Neutral	-
Mode 1	Pass	AV	187.577k	24.10	54.15	-30.05	Neutral	-
Mode 1	Pass	QP	222.704k	49.63	62.71	-13.08	Neutral	-
Mode 1	Pass	AV	222.704k	24.35	52.71	-28.36	Neutral	-
Mode 1	Pass	QP	261.263k	48.95	61.39	-12.44	Neutral	-
Mode 1	Pass	AV	261.263k	23.21	51.39	-28.18	Neutral	-
Mode 1	Pass	QP	1.181M	15.64	56.00	-40.36	Neutral	-
Mode 1	Pass	AV	1.181M	12.31	46.00	-33.69	Neutral	-
Mode 1	Pass	QP	2.15M	22.74	56.00	-33.26	Neutral	-
Mode 1	Pass	AV	2.15M	17.13	46.00	-28.87	Neutral	-
Mode 1	Pass	QP	15.266M	19.24	60.00	-40.76	Neutral	-
Mode 1	Pass	AV	15.266M	14.56	50.00	-35.44	Neutral	-
Mode 2	Pass	QP	223.595k	51.01	62.69	-11.68	Line	-
Mode 2	Pass	AV	223.595k	32.87	52.69	-19.82	Line	-
Mode 2	Pass	QP	312.676k	48.76	59.90	-11.14	Line	-
Mode 2	Pass	AV	312.676k	26.60	49.90	-23.30	Line	-
Mode 2	Pass	QP	631.288k	38.13	56.00	-17.87	Line	-
Mode 2	Pass	AV	631.288k	24.52	46.00	-21.48	Line	-
Mode 2	Pass	QP	1.065M	38.40	56.00	-17.60	Line	-
Mode 2	Pass	AV	1.065M	23.31	46.00	-22.69	Line	-
Mode 2	Pass	QP	1.87M	29.96	56.00	-26.04	Line	-
Mode 2	Pass	AV	1.87M	21.54	46.00	-24.46	Line	-
Mode 2	Pass	QP	7.996M	25.45	60.00	-34.55	Line	-
Mode 2	Pass	AV	7.996M	19.51	50.00	-30.49	Line	-
Mode 2	Pass	QP	208.092k	49.51	63.28	-13.77	Neutral	-
Mode 2	Pass	AV	208.092k	28.38	53.28	-24.90	Neutral	-
Mode 2	Pass	QP	256.1k	50.10	61.56	-11.46	Neutral	-
Mode 2	Pass	AV	256.1k	35.37	51.56	-16.19	Neutral	-
Mode 2	Pass	QP	296.863k	48.75	60.32	-11.57	Neutral	-
Mode 2	Pass	AV	296.863k	26.41	50.32	-23.91	Neutral	-
Mode 2	Pass	QP	626.268k	40.54	56.00	-15.46	Neutral	-
Mode 2	Pass	AV	626.268k	25.65	46.00	-20.35	Neutral	-
Mode 2	Pass	QP	1.023M	38.59	56.00	-17.41	Neutral	-
Mode 2	Pass	AV	1.023M	22.60	46.00	-23.40	Neutral	-
Mode 2	Pass	QP	15.084M	29.43	60.00	-30.57	Neutral	-
Mode 2	Pass	AV	15.084M	22.04	50.00	-27.96	Neutral	-

Conducted Emissions at Powerline_Mode 1



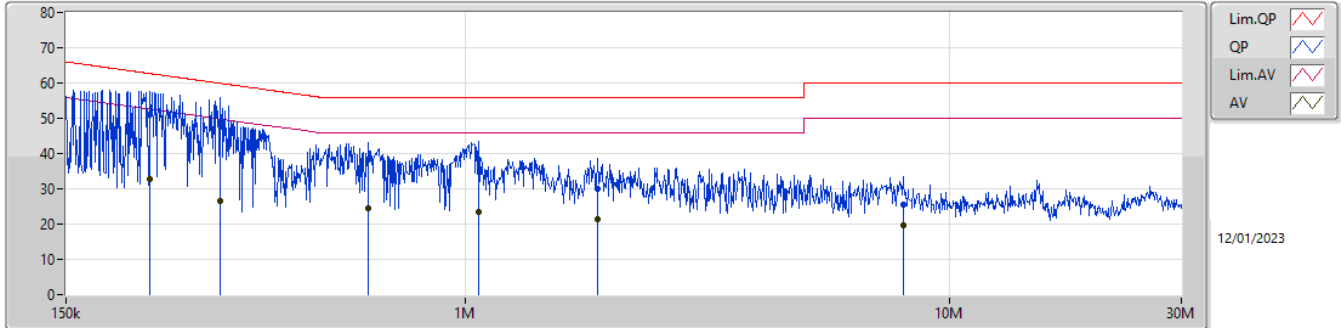
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QP	179.518k	49.86	64.51	-14.65	19.65	Line	-	30.21	9.69	0.03	9.93
AV	179.518k	24.63	54.51	-29.88	19.65	Line	-	4.98	9.69	0.03	9.93
QP	215.704k	49.48	62.98	-13.50	19.65	Line	-	29.83	9.69	0.03	9.93
AV	215.704k	24.51	52.98	-28.47	19.65	Line	-	4.86	9.69	0.03	9.93
QP	234.567k	49.11	62.29	-13.18	19.66	Line	-	29.45	9.69	0.03	9.94
AV	234.567k	23.57	52.29	-28.72	19.66	Line	-	3.91	9.69	0.03	9.94
QP	1.003M	15.28	56.00	-40.72	19.67	Line	-	-4.39	9.68	0.05	9.94
AV	1.003M	12.08	46.00	-33.92	19.67	Line	-	-7.59	9.68	0.05	9.94
QP	2.133M	24.41	56.00	-31.59	19.72	Line	-	4.69	9.70	0.08	9.94
AV	2.133M	17.71	46.00	-28.29	19.72	Line	-	-2.01	9.70	0.08	9.94
QP	15.389M	21.23	60.00	-38.77	20.01	Line	-	1.22	9.80	0.24	9.97
AV	15.389M	14.71	50.00	-35.29	20.01	Line	-	-5.30	9.80	0.24	9.97

Conducted Emissions at Powerline_Mode 1



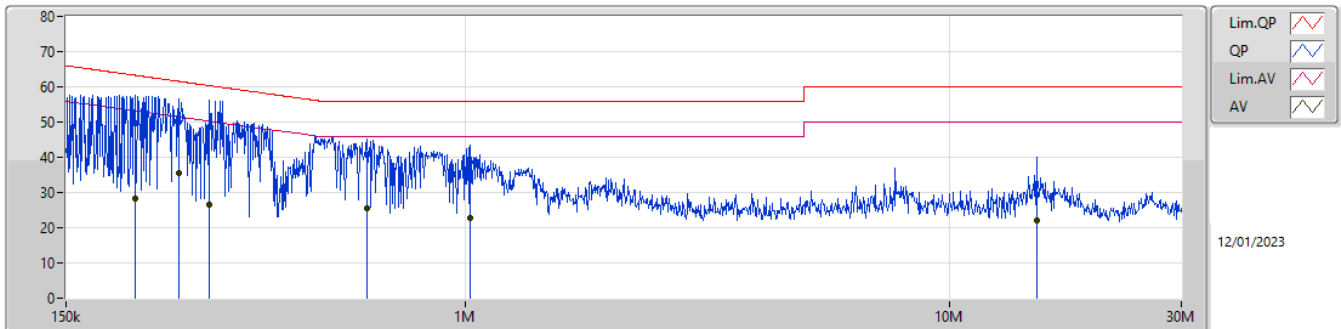
Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	187.577k	48.97	64.15	-15.18	19.68	Neutral	-	29.29	9.72	0.03	9.93
AV	187.577k	24.10	54.15	-30.05	19.68	Neutral	-	4.42	9.72	0.03	9.93
QP	222.704k	49.63	62.71	-13.08	19.68	Neutral	-	29.95	9.72	0.03	9.93
AV	222.704k	24.35	52.71	-28.36	19.68	Neutral	-	4.67	9.72	0.03	9.93
QP	261.263k	48.95	61.39	-12.44	19.69	Neutral	-	29.26	9.72	0.03	9.94
AV	261.263k	23.21	51.39	-28.18	19.69	Neutral	-	3.52	9.72	0.03	9.94
QP	1.181M	15.64	56.00	-40.36	19.73	Neutral	-	-4.09	9.73	0.06	9.94
AV	1.181M	12.31	46.00	-33.69	19.73	Neutral	-	-7.42	9.73	0.06	9.94
QP	2.15M	22.74	56.00	-33.26	19.77	Neutral	-	2.97	9.74	0.09	9.94
AV	2.15M	17.13	46.00	-28.87	19.77	Neutral	-	-2.64	9.74	0.09	9.94
QP	15.266M	19.24	60.00	-40.76	20.16	Neutral	-	-0.92	9.95	0.24	9.97
AV	15.266M	14.56	50.00	-35.44	20.16	Neutral	-	-5.60	9.95	0.24	9.97

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	223.595k	51.01	62.69	-11.68	19.65	Line	-	31.36	9.69	0.03	9.93
AV	223.595k	32.87	52.69	-19.82	19.65	Line	-	13.22	9.69	0.03	9.93
QP	312.676k	48.76	59.90	-11.14	19.67	Line	-	29.09	9.68	0.04	9.95
AV	312.676k	26.60	49.90	-23.30	19.67	Line	-	6.93	9.68	0.04	9.95
QP	631.288k	38.13	56.00	-17.87	19.67	Line	-	18.46	9.68	0.04	9.95
AV	631.288k	24.52	46.00	-21.48	19.67	Line	-	4.85	9.68	0.04	9.95
QP	1.065M	38.40	56.00	-17.60	19.67	Line	-	18.73	9.68	0.05	9.94
AV	1.065M	23.31	46.00	-22.69	19.67	Line	-	3.64	9.68	0.05	9.94
QP	1.87M	29.96	56.00	-26.04	19.72	Line	-	10.24	9.70	0.08	9.94
AV	1.87M	21.54	46.00	-24.46	19.72	Line	-	1.82	9.70	0.08	9.94
QP	7.996M	25.45	60.00	-34.55	19.91	Line	-	5.54	9.79	0.17	9.95
AV	7.996M	19.51	50.00	-30.49	19.91	Line	-	-0.40	9.79	0.17	9.95

Conducted Emissions at Powerline_Mode 2



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	208.092k	49.51	63.28	-13.77	19.68	Neutral	-	29.83	9.72	0.03	9.93
AV	208.092k	28.38	53.28	-24.90	19.68	Neutral	-	8.70	9.72	0.03	9.93
QP	256.1k	50.10	61.56	-11.46	19.69	Neutral	-	30.41	9.72	0.03	9.94
AV	256.1k	35.37	51.56	-16.19	19.69	Neutral	-	15.68	9.72	0.03	9.94
QP	296.863k	48.75	60.32	-11.57	19.71	Neutral	-	29.04	9.72	0.04	9.95
AV	296.863k	26.41	50.32	-23.91	19.71	Neutral	-	6.70	9.72	0.04	9.95
QP	626.268k	40.54	56.00	-15.46	19.71	Neutral	-	20.83	9.72	0.04	9.95
AV	626.268k	25.65	46.00	-20.35	19.71	Neutral	-	5.94	9.72	0.04	9.95
QP	1.023M	38.59	56.00	-17.41	19.72	Neutral	-	18.87	9.73	0.05	9.94
AV	1.023M	22.60	46.00	-23.40	19.72	Neutral	-	2.88	9.73	0.05	9.94
QP	15.084M	29.43	60.00	-30.57	20.16	Neutral	-	9.27	9.95	0.24	9.97
AV	15.084M	22.04	50.00	-27.96	20.16	Neutral	-	1.88	9.95	0.24	9.97

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	9.025M	13.583M	13M6G1D	9M	13.388M
802.11b_Nss1,(1Mbps)_1TX(Port2)	9.025M	13.538M	13M5G1D	8.05M	13.358M
802.11g_Nss1,(6Mbps)_1TX(Port1)	16.3M	16.8M	16M8D1D	15.025M	16.426M
802.11g_Nss1,(6Mbps)_1TX(Port2)	16.325M	16.756M	16M8D1D	15.075M	16.426M
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	17.5M	17.766M	17M8D1D	13.125M	17.566M
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	17.55M	17.791M	17M8D1D	15.075M	17.566M
802.11n HT20_Nss1,(MCS8)_2TX	17.55M	17.766M	17M8D1D	15M	17.566M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	17.8M	18.891M	18M9D1D	15.075M	18.716M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	17.55M	18.891M	18M9D1D	15.1M	18.716M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.05M	18.916M	18M9D1D	15.1M	18.691M
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	36.3M	36.232M	36M2D1D	35M	35.982M
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	36.3M	36.232M	36M2D1D	34.95M	36.032M
802.11n HT40_Nss1,(MCS8)_2TX	36.3M	36.182M	36M2D1D	33.85M	35.882M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	36.9M	37.531M	37M5D1D	35.05M	37.431M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	37.4M	37.531M	37M5D1D	35.05M	37.481M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.25M	37.531M	37M5D1D	30.6M	37.381M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	9.025M	13.493M		
2437MHz	Pass	500k	9.025M	13.583M		
2462MHz	Pass	500k	9M	13.523M		
2467MHz	Pass	500k	9.025M	13.538M		
2472MHz	Pass	500k	9M	13.388M		
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			9.025M	13.478M
2437MHz	Pass	500k			9M	13.538M
2462MHz	Pass	500k			8.525M	13.508M
2467MHz	Pass	500k			8.05M	13.538M
2472MHz	Pass	500k			9M	13.358M
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	15.025M	16.69M		
2437MHz	Pass	500k	15.1M	16.8M		
2462MHz	Pass	500k	15.05M	16.712M		
2467MHz	Pass	500k	15.075M	16.69M		
2472MHz	Pass	500k	16.3M	16.426M		
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			15.075M	16.69M
2437MHz	Pass	500k			15.125M	16.756M
2462MHz	Pass	500k			15.1M	16.69M
2467MHz	Pass	500k			15.075M	16.69M
2472MHz	Pass	500k			16.325M	16.426M
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	15.1M	17.766M		
2437MHz	Pass	500k	15.1M	17.766M		
2462MHz	Pass	500k	15.1M	17.741M		
2467MHz	Pass	500k	13.125M	17.766M		
2472MHz	Pass	500k	17.5M	17.566M		
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			15.6M	17.766M
2437MHz	Pass	500k			15.1M	17.791M
2462MHz	Pass	500k			15.075M	17.766M
2467MHz	Pass	500k			15.125M	17.741M
2472MHz	Pass	500k			17.55M	17.566M
802.11n HT20_Nss1,(MCS8)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.1M	17.741M	15.075M	17.741M
2437MHz	Pass	500k	15.075M	17.766M	15.4M	17.741M
2462MHz	Pass	500k	15.1M	17.766M	15.075M	17.741M
2467MHz	Pass	500k	15M	17.691M	15.075M	17.716M
2472MHz	Pass	500k	17.525M	17.566M	17.55M	17.591M
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	36.082M		
2437MHz	Pass	500k	35.05M	36.082M		
2452MHz	Pass	500k	35M	36.082M		
2457MHz	Pass	500k	35.05M	35.982M		
2462MHz	Pass	500k	36.3M	36.232M		
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	500k			34.95M	36.032M
2437MHz	Pass	500k			35.05M	36.082M
2452MHz	Pass	500k			35.05M	36.082M
2457MHz	Pass	500k			34.95M	36.032M
2462MHz	Pass	500k			36.3M	36.232M
802.11n HT40_Nss1,(MCS8)_2TX	-	-	-	-	-	-



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
2422MHz	Pass	500k	35M	36.082M	35M	35.932M
2437MHz	Pass	500k	35.05M	36.032M	33.85M	35.932M
2452MHz	Pass	500k	35.1M	35.982M	35.05M	35.882M
2457MHz	Pass	500k	35.05M	35.932M	35M	35.932M
2462MHz	Pass	500k	35.7M	36.182M	36.3M	36.132M
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	15.775M	18.891M		
2437MHz	Pass	500k	15.075M	18.891M		
2462MHz	Pass	500k	15.15M	18.866M		
2467MHz	Pass	500k	15.525M	18.891M		
2472MHz	Pass	500k	17.8M	18.716M		
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			15.125M	18.891M
2437MHz	Pass	500k			15.1M	18.891M
2462MHz	Pass	500k			15.1M	18.891M
2467MHz	Pass	500k			16.075M	18.891M
2472MHz	Pass	500k			17.55M	18.716M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.575M	18.891M	15.125M	18.891M
2437MHz	Pass	500k	15.975M	18.891M	15.1M	18.866M
2462MHz	Pass	500k	15.475M	18.916M	15.1M	18.891M
2467MHz	Pass	500k	15.5M	18.891M	15.15M	18.841M
2472MHz	Pass	500k	18.05M	18.691M	17.875M	18.716M
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	500k	35.1M	37.531M		
2437MHz	Pass	500k	35.05M	37.431M		
2452MHz	Pass	500k	35.05M	37.431M		
2457MHz	Pass	500k	35.05M	37.481M		
2462MHz	Pass	500k	36.9M	37.531M		
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	500k			35.05M	37.481M
2437MHz	Pass	500k			35.1M	37.531M
2452MHz	Pass	500k			35.1M	37.481M
2457MHz	Pass	500k			35.95M	37.481M
2462MHz	Pass	500k			37.4M	37.531M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.1M	37.481M	34.95M	37.481M
2437MHz	Pass	500k	35.8M	37.431M	33.25M	37.431M
2452MHz	Pass	500k	34.05M	37.381M	35.25M	37.431M
2457MHz	Pass	500k	30.6M	37.431M	35.05M	37.481M
2462MHz	Pass	500k	37.05M	37.531M	37.25M	37.531M

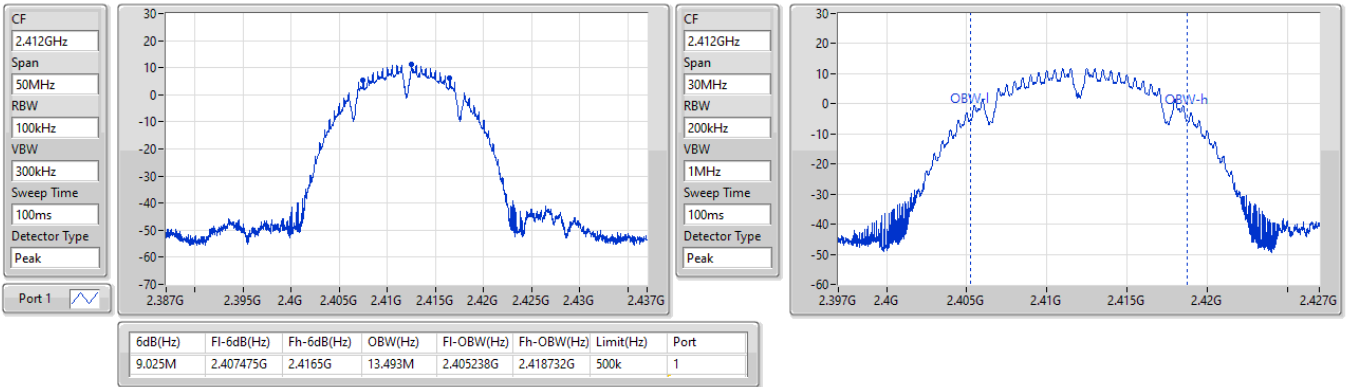
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port1)

EBW

2412MHz

29/03/2023

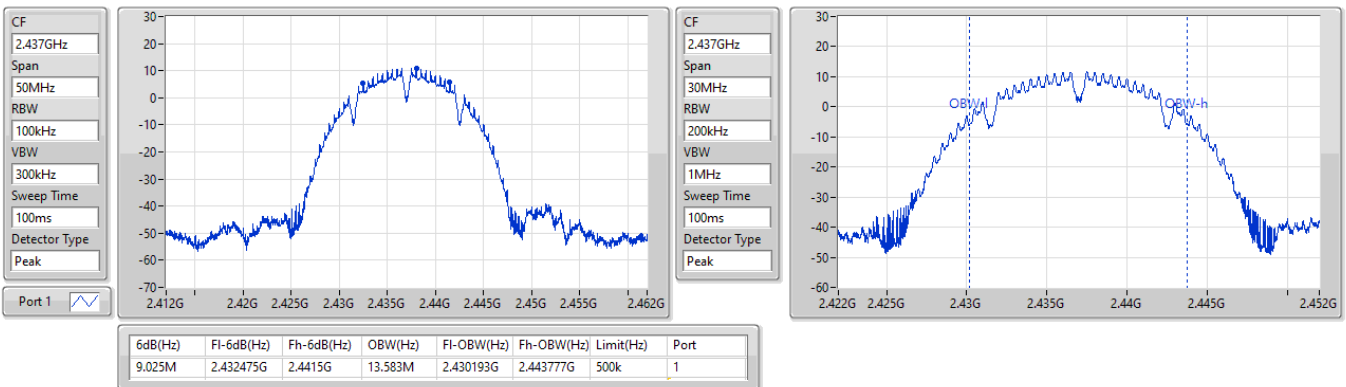


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port1)

EBW

2437MHz

23/02/2023

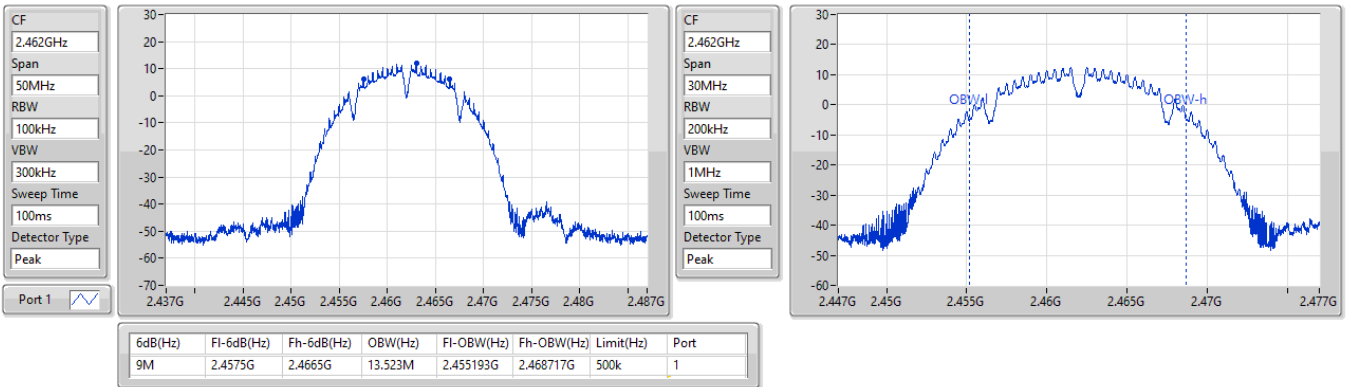


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port1)

EBW

2462MHz

22/05/2023

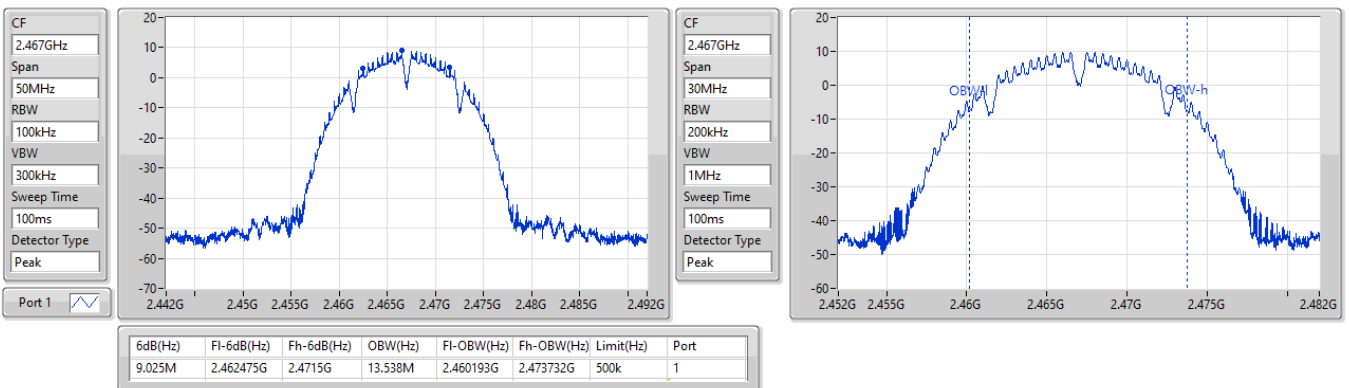


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port1)

EBW

2467MHz

23/02/2023

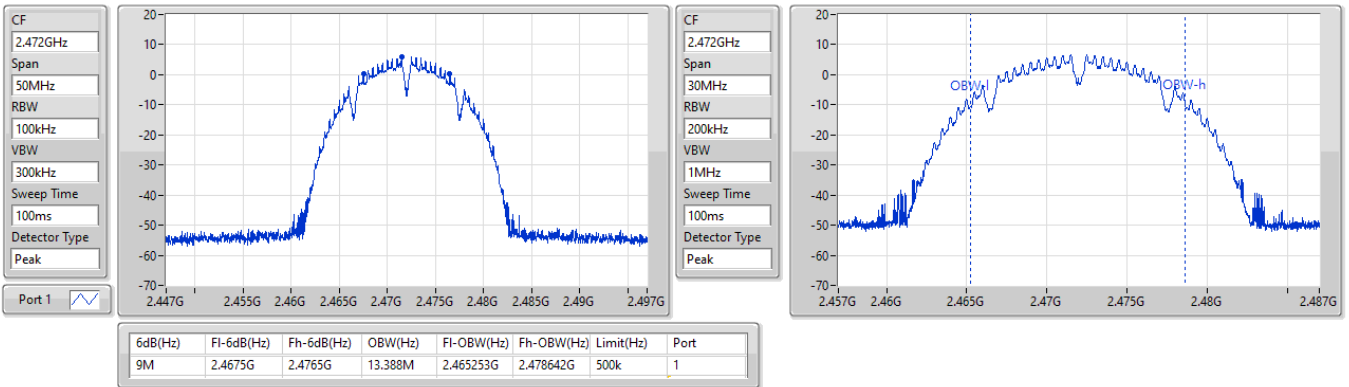


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port1)

EBW

2472MHz

29/03/2023

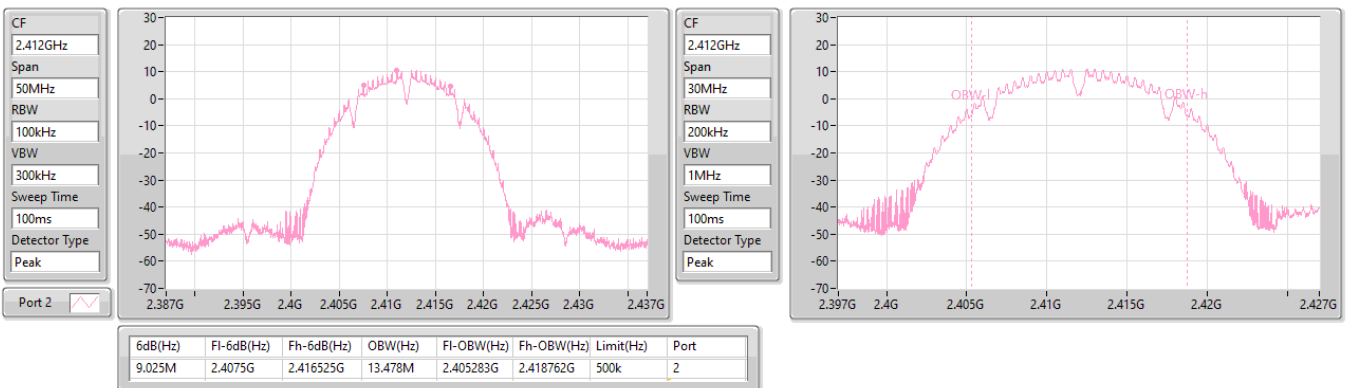


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW

2412MHz

23/02/2023

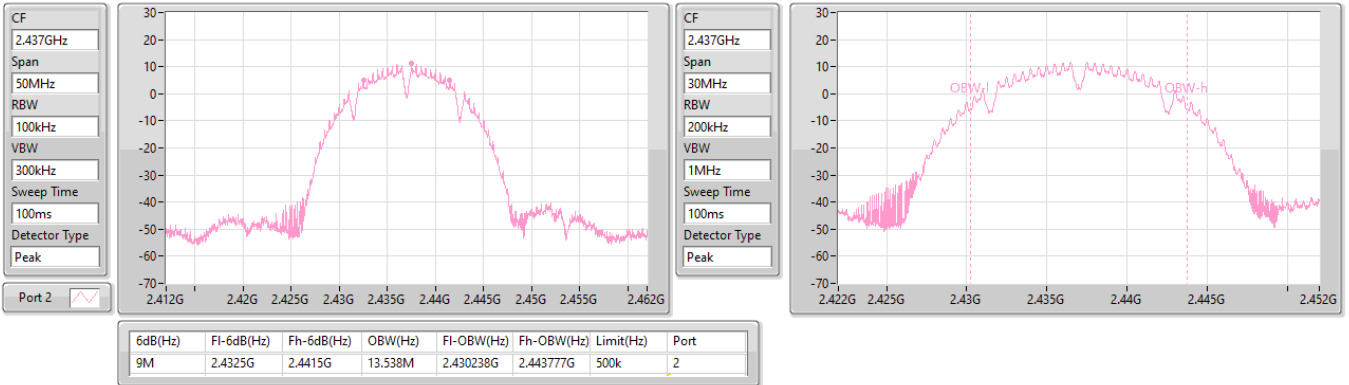


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW

2437MHz

23/02/2023

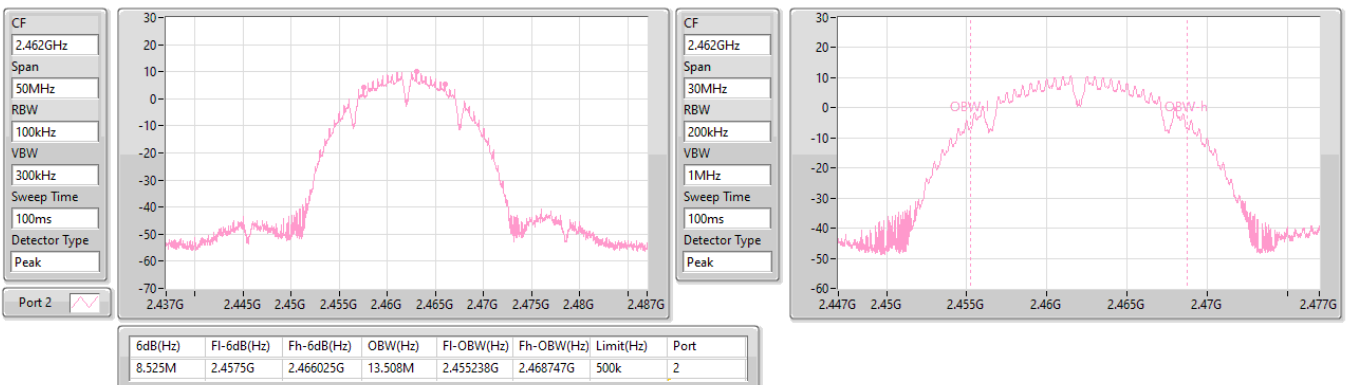


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW

2462MHz

23/02/2023

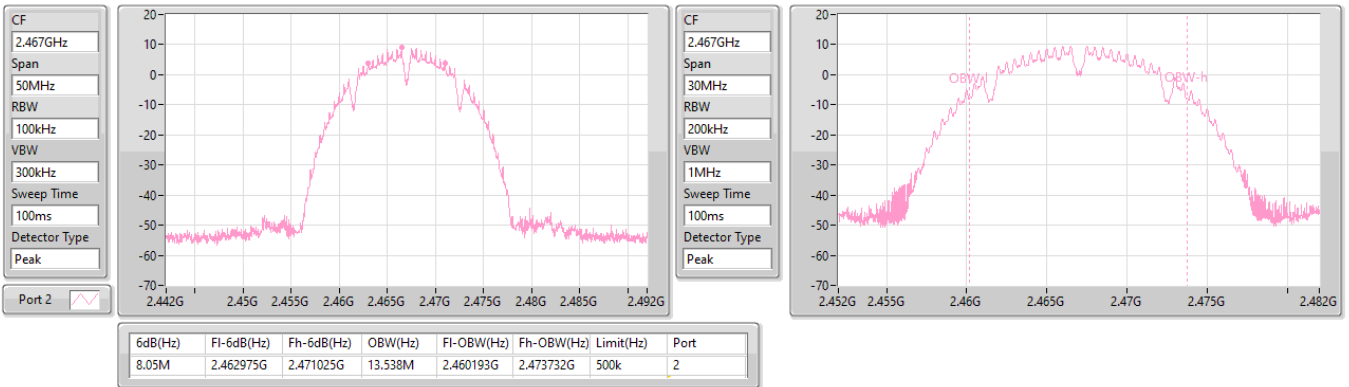


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW

2467MHz

10/03/2023

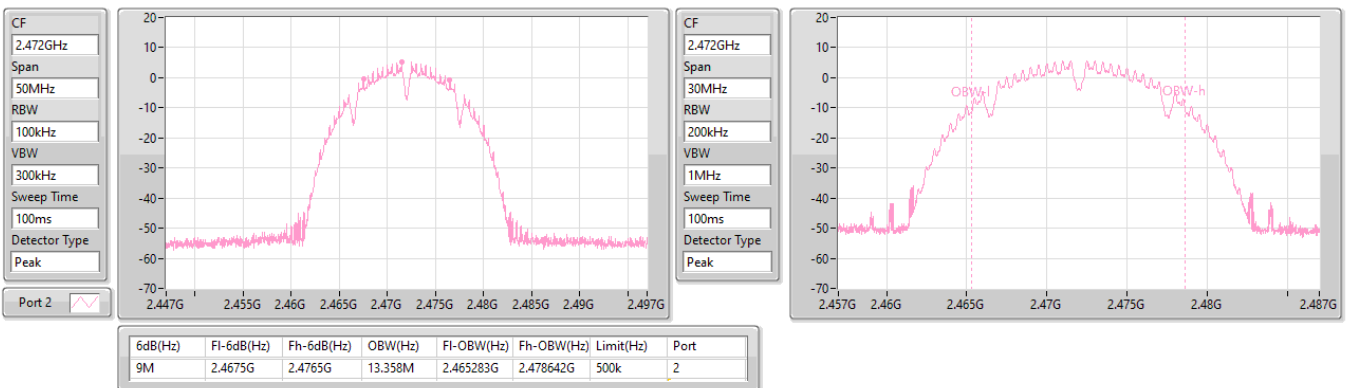


2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_1TX(Port2)

EBW

2472MHz

23/02/2023

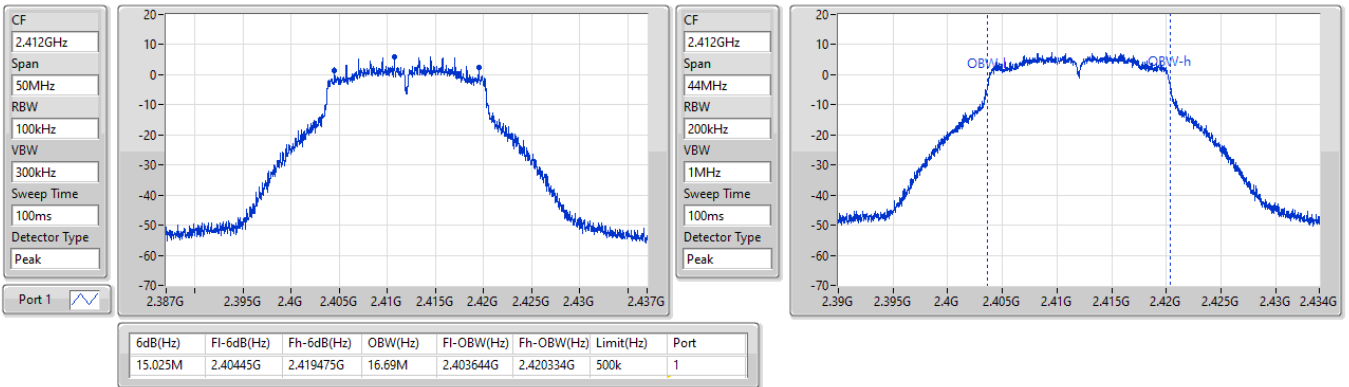


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port1)

EBW

2412MHz

24/02/2023

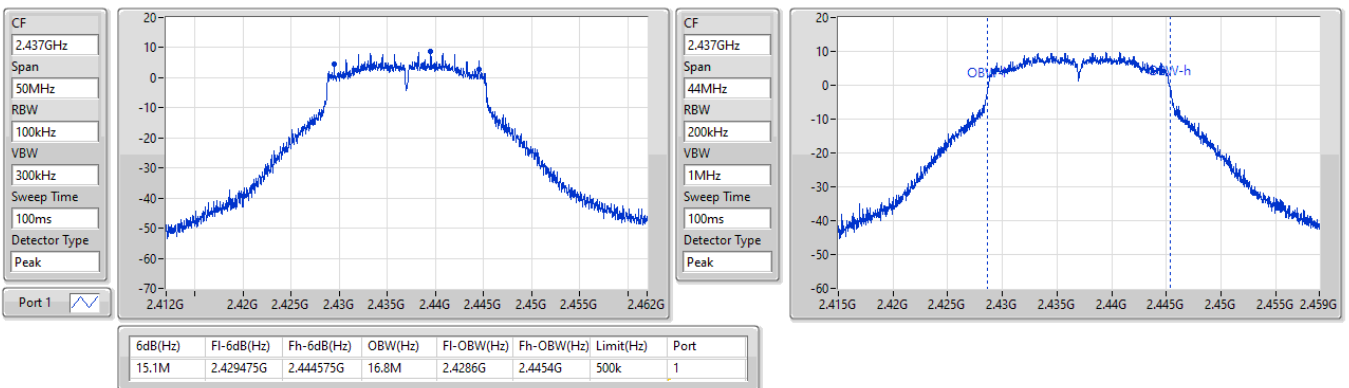


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port1)

EBW

2437MHz

24/02/2023

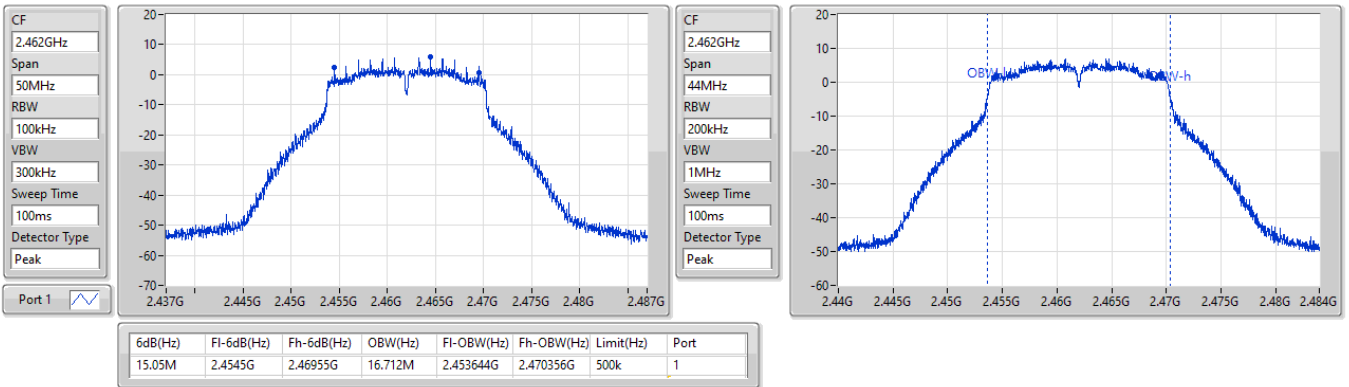


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port1)

EBW

2462MHz

24/02/2023

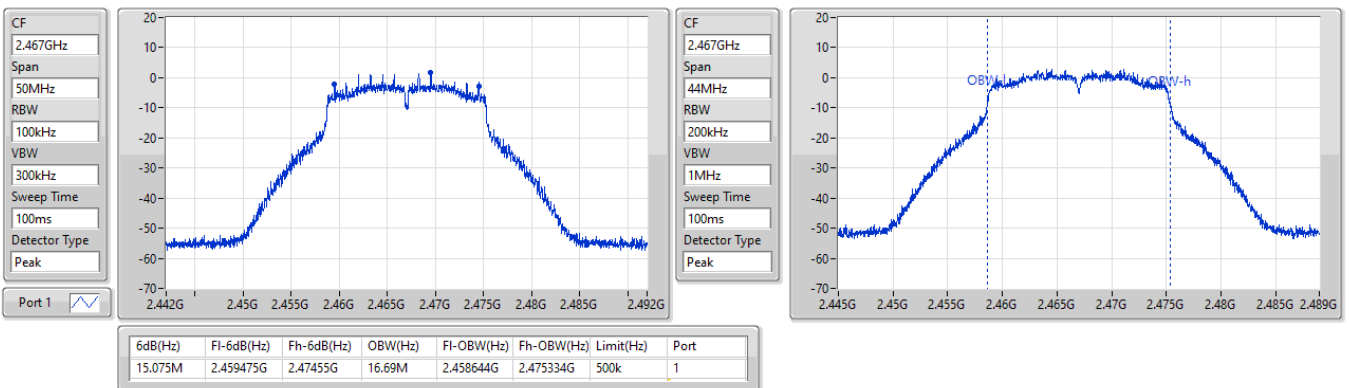


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port1)

EBW

2467MHz

24/02/2023

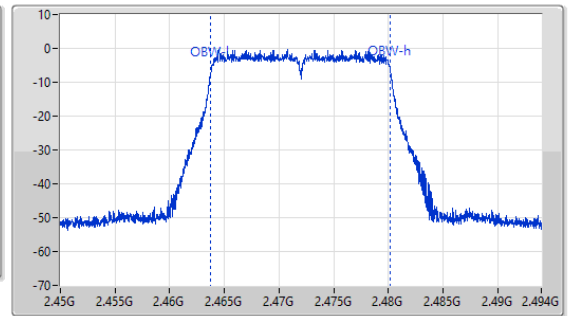
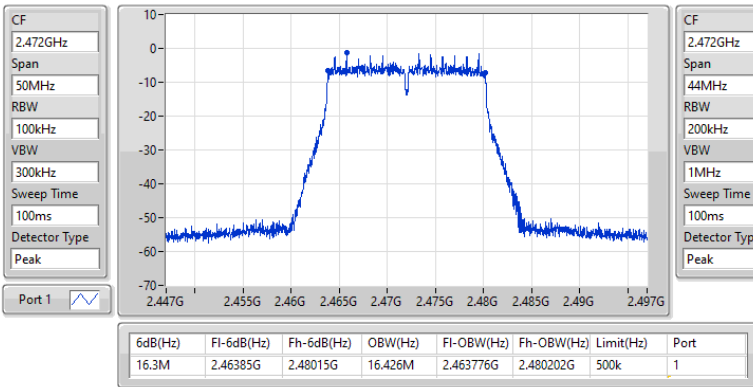


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port1)

EBW

2472MHz

24/02/2023

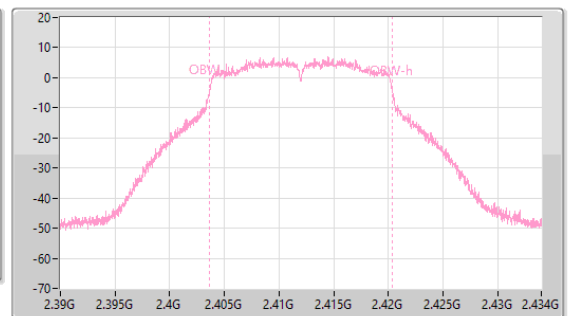
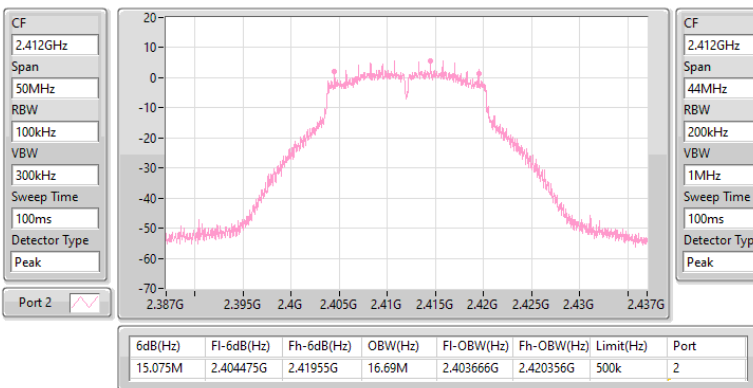


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port2)

EBW

2412MHz

24/02/2023

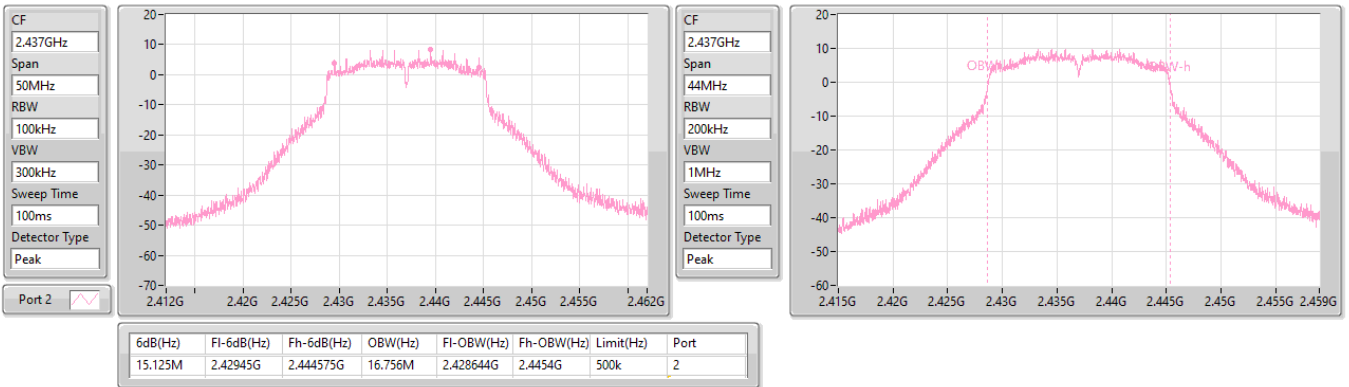


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port2)

EBW

2437MHz

24/02/2023

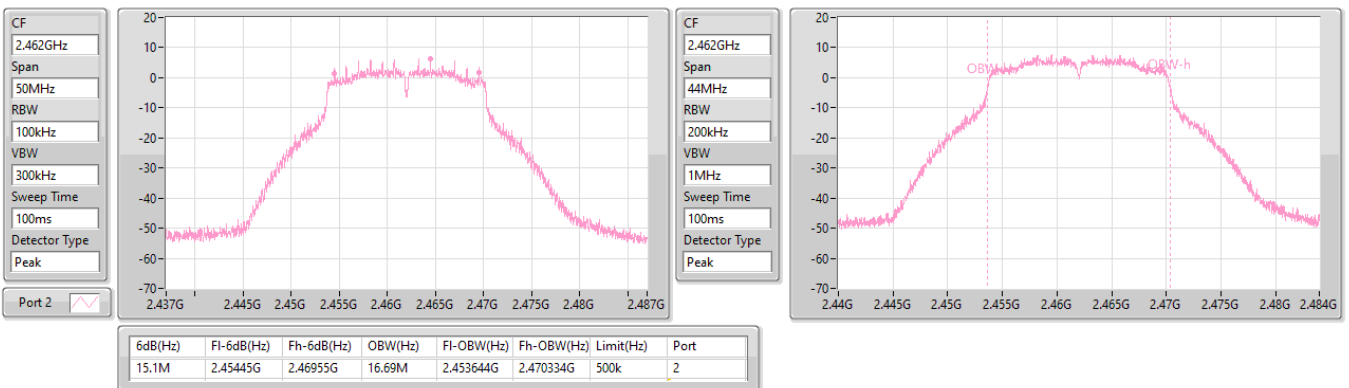


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port2)

EBW

2462MHz

24/02/2023

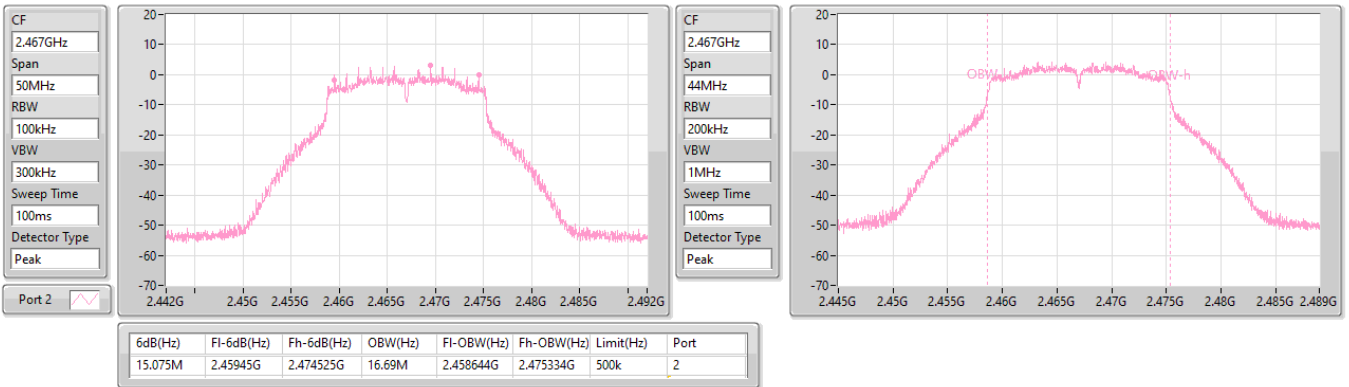


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port2)

EBW

2467MHz

22/05/2023

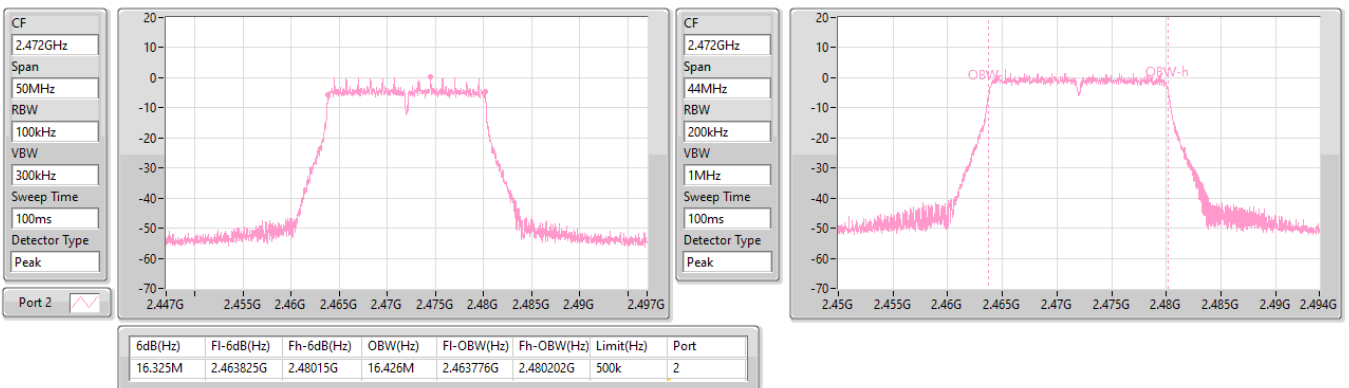


2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_1TX(Port2)

EBW

2472MHz

22/05/2023

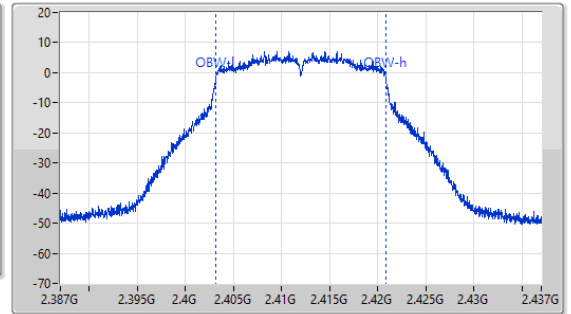
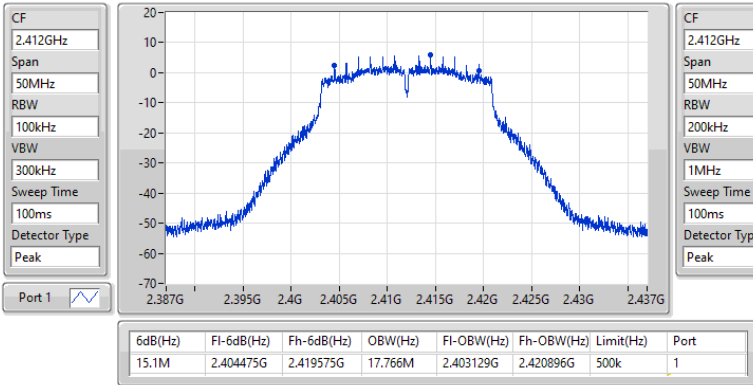


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port1)

EBW

2412MHz

03/03/2023

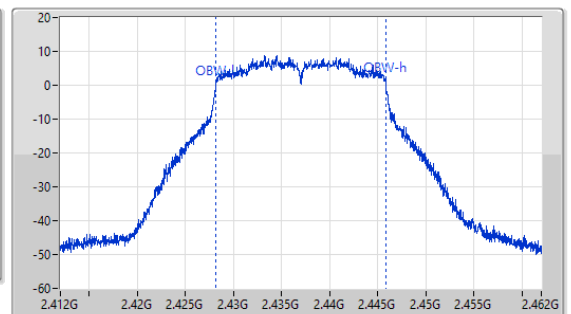
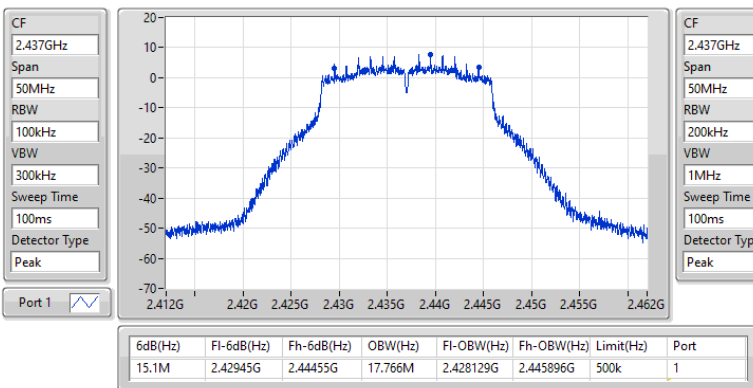


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port1)

EBW

2437MHz

03/03/2023

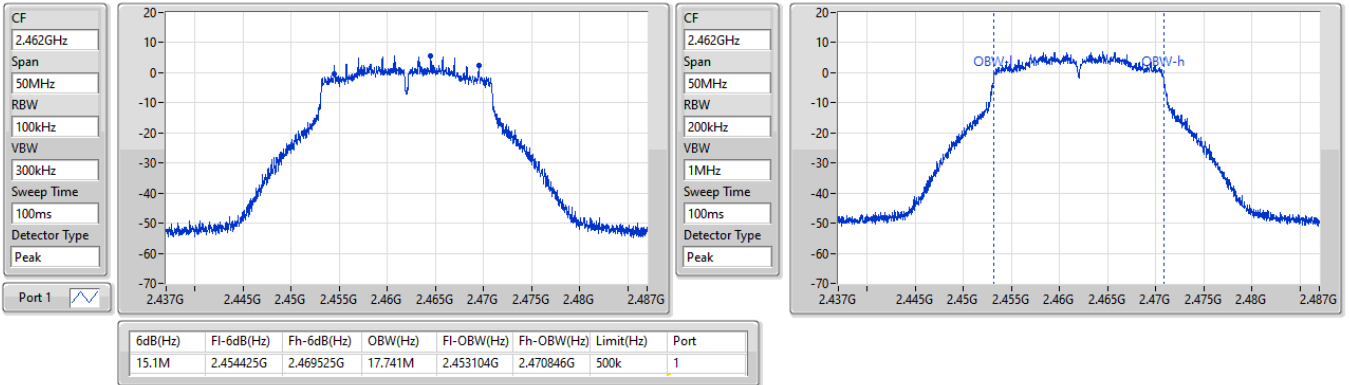


2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX(Port1)

EBW

2462MHz

23/05/2023

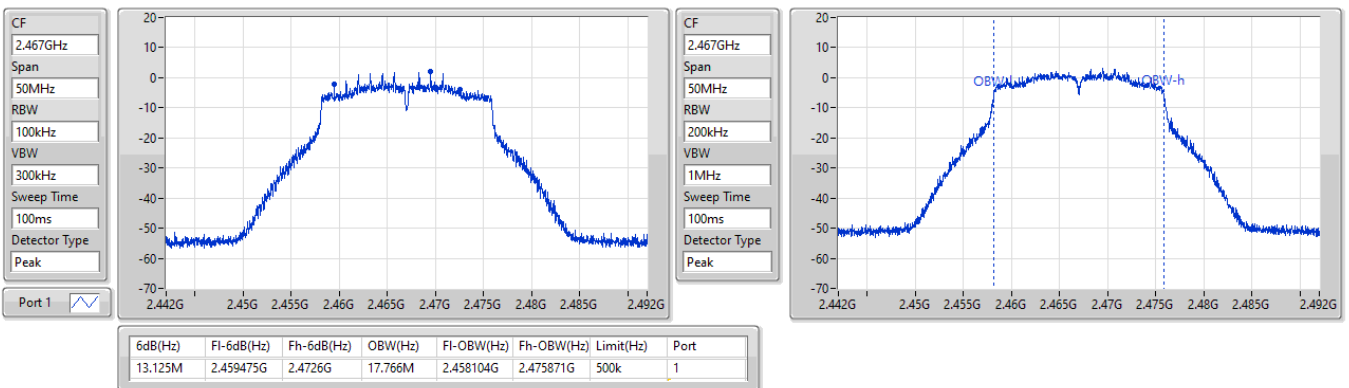


2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS0)_1TX(Port1)

EBW

2467MHz

03/03/2023

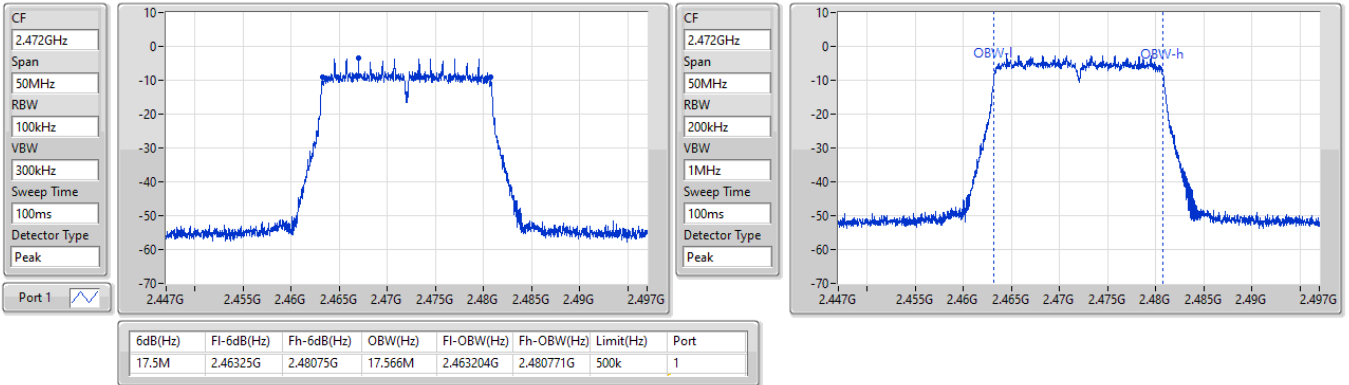


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port1)

EBW

2472MHz

03/03/2023

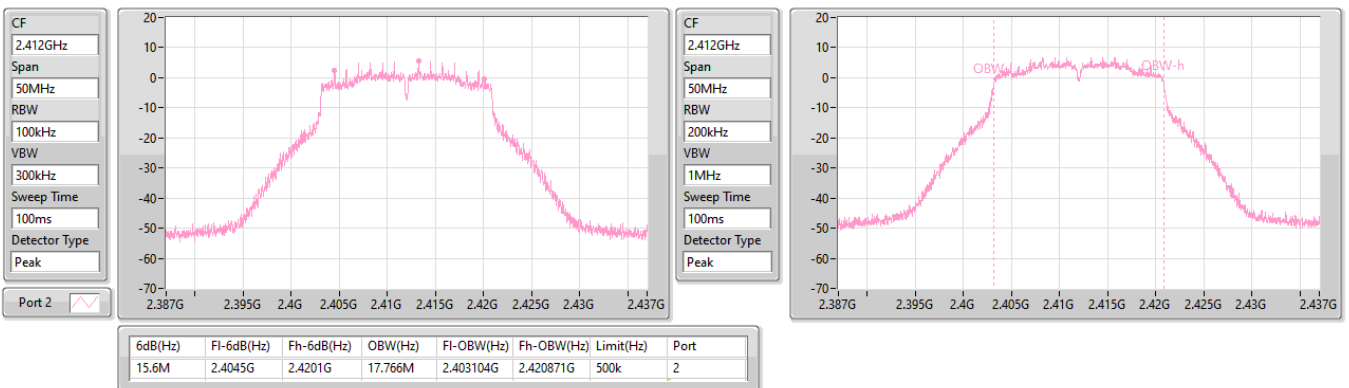


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port2)

EBW

2412MHz

23/05/2023

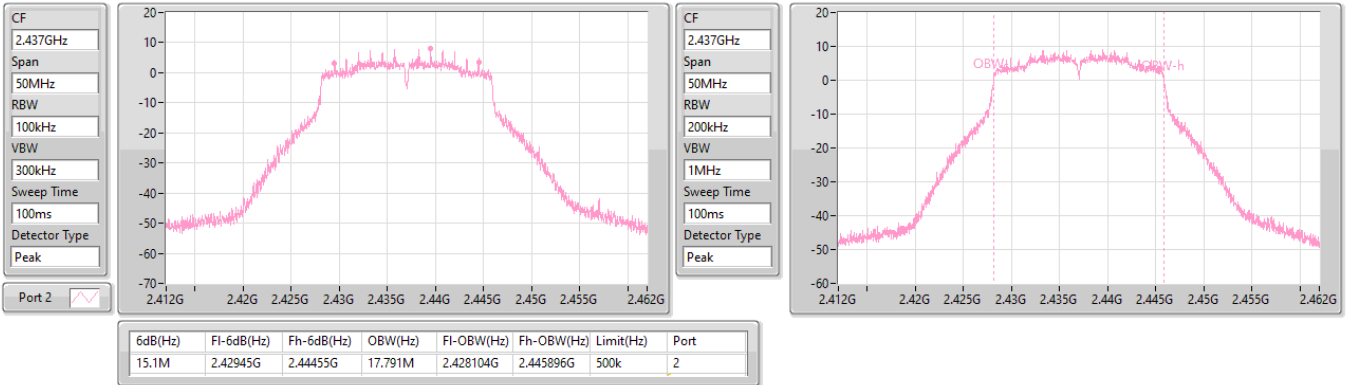


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port2)

EBW

2437MHz

03/03/2023

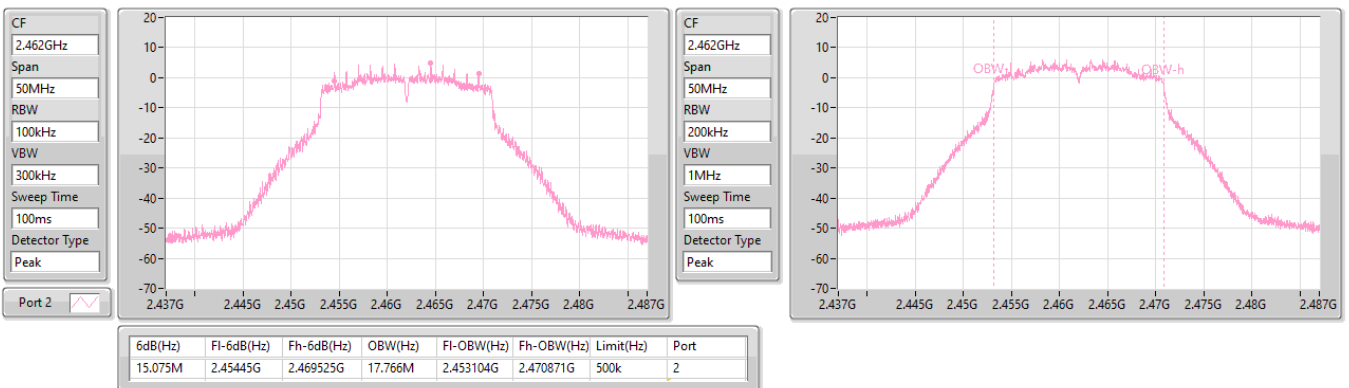


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port2)

EBW

2462MHz

03/03/2023

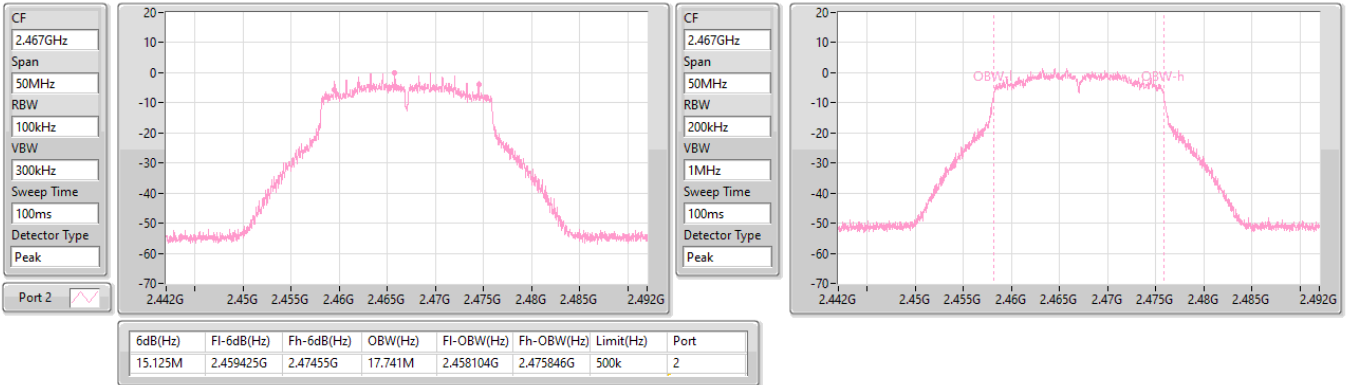


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port2)

EBW

2467MHz

03/03/2023

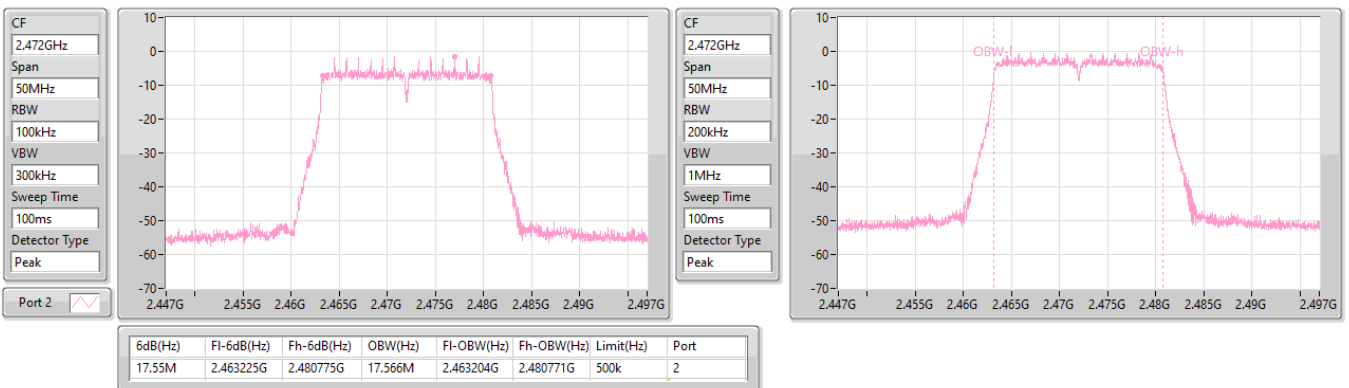


2.4-2.4835GHz_802.11n HT20_Nss1,(MCS0)_1TX(Port2)

EBW

2472MHz

03/03/2023

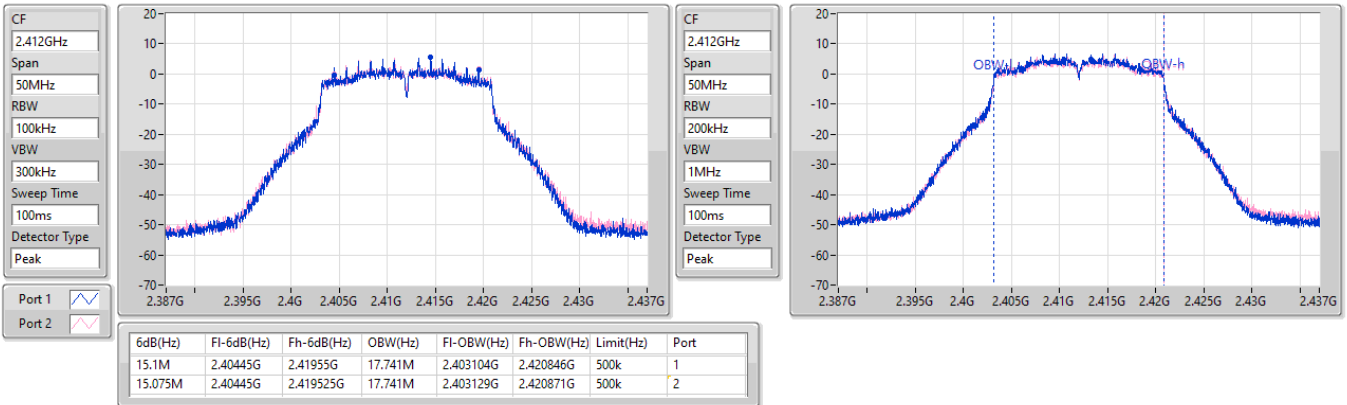


2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS8)_2TX

EBW

2412MHz

22/05/2023

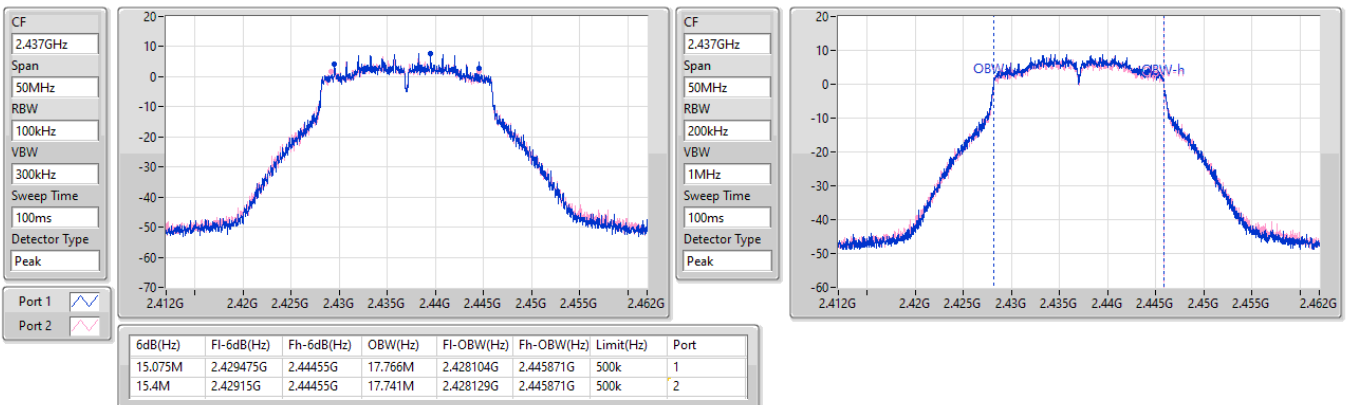


2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS8)_2TX

EBW

2437MHz

22/05/2023

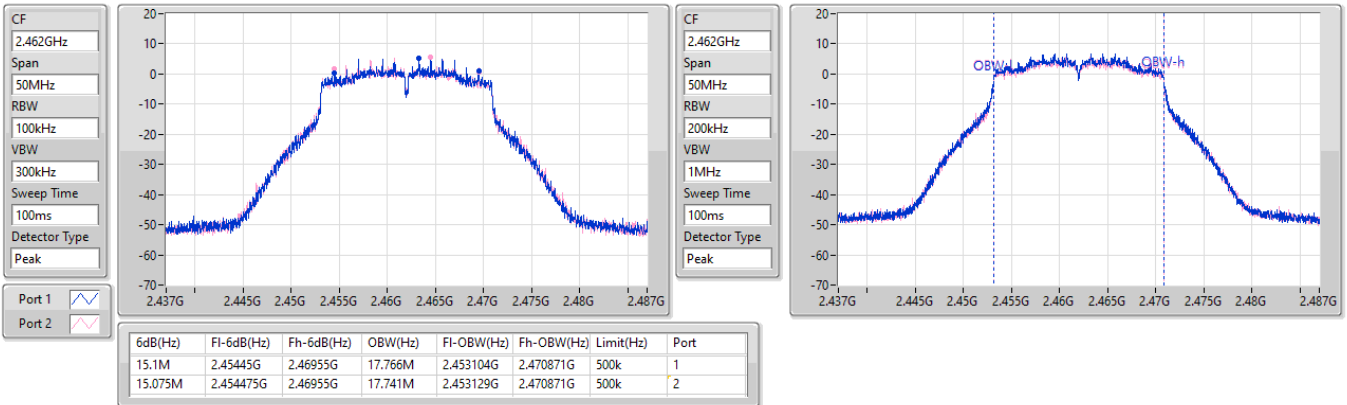


2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS8)_2TX

EBW

2462MHz

22/05/2023

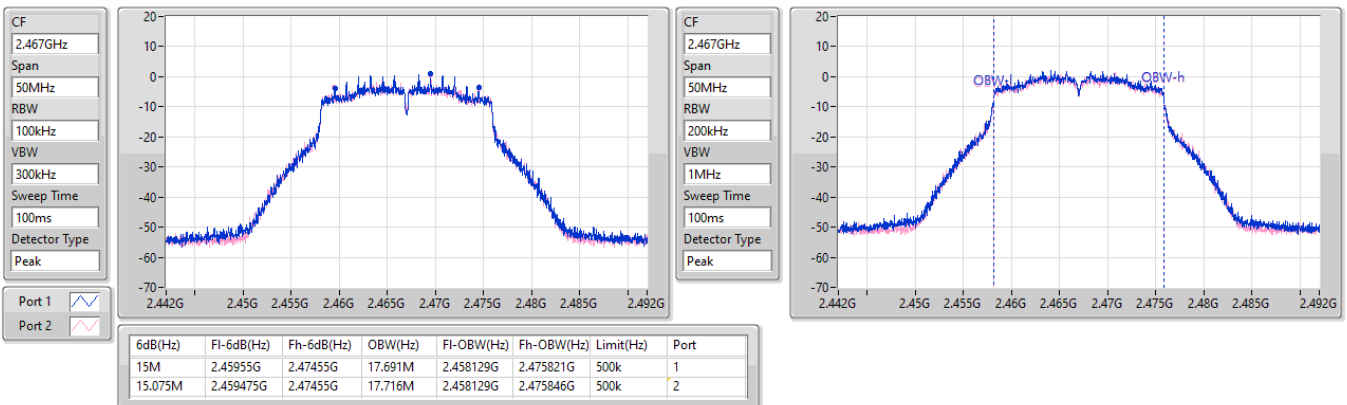


2.4-2.4835GHz_802.11n_HT20_Nss1,(MCS8)_2TX

EBW

2467MHz

03/03/2023



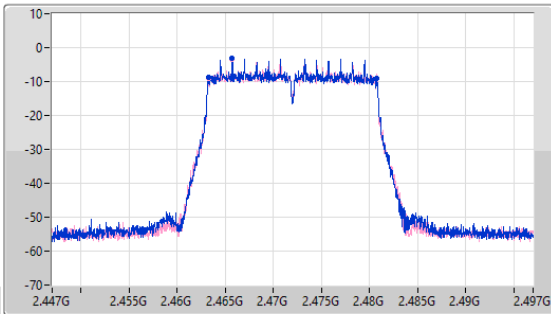
2.4-2.4835GHz_802.11n HT20_Nss1,(MCS8)_2TX

EBW

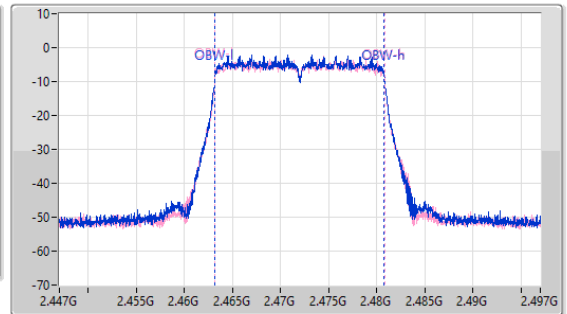
2472MHz

03/03/2023

CF: 2.472GHz
 Span: 50MHz
 RBW: 100kHz
 VBW: 300kHz
 Sweep Time: 100ms
 Detector Type: Peak



CF: 2.472GHz
 Span: 50MHz
 RBW: 200kHz
 VBW: 1MHz
 Sweep Time: 100ms
 Detector Type: Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.463225G	2.48075G	17.566M	2.463204G	2.480771G	500k	1
17.55M	2.463225G	2.480775G	17.591M	2.463204G	2.480796G	500k	2

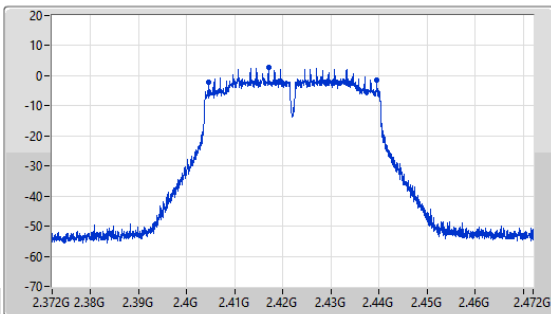
2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port1)

EBW

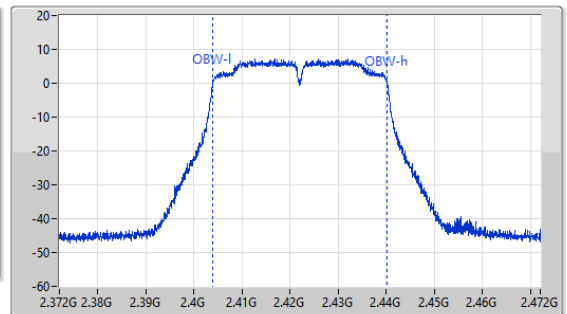
2422MHz

23/05/2023

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



CF: 2.422GHz
 Span: 100MHz
 RBW: 500kHz
 VBW: 2MHz
 Sweep Time: 100ms
 Detector Type: Peak



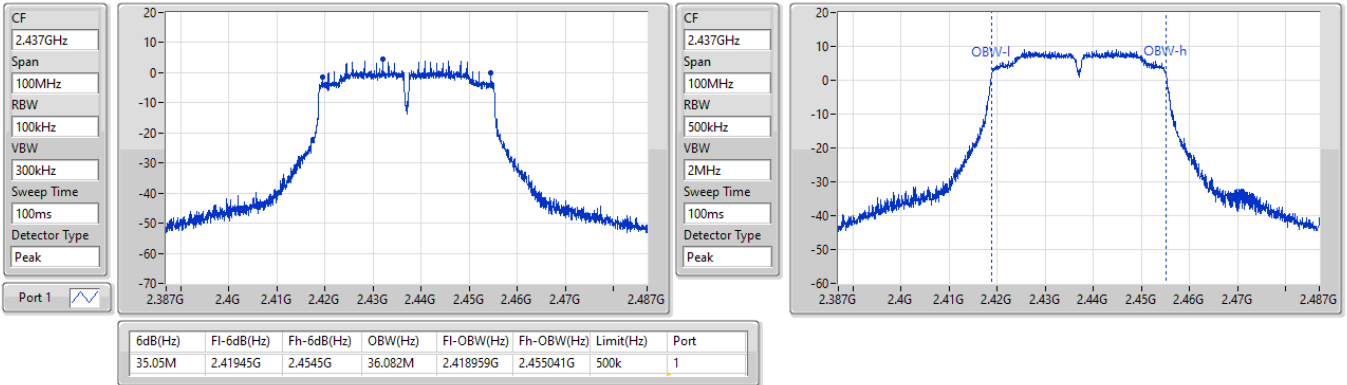
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.05M	2.4045G	2.43955G	36.082M	2.403959G	2.440041G	500k	1

2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port1)

EBW

2437MHz

03/03/2023

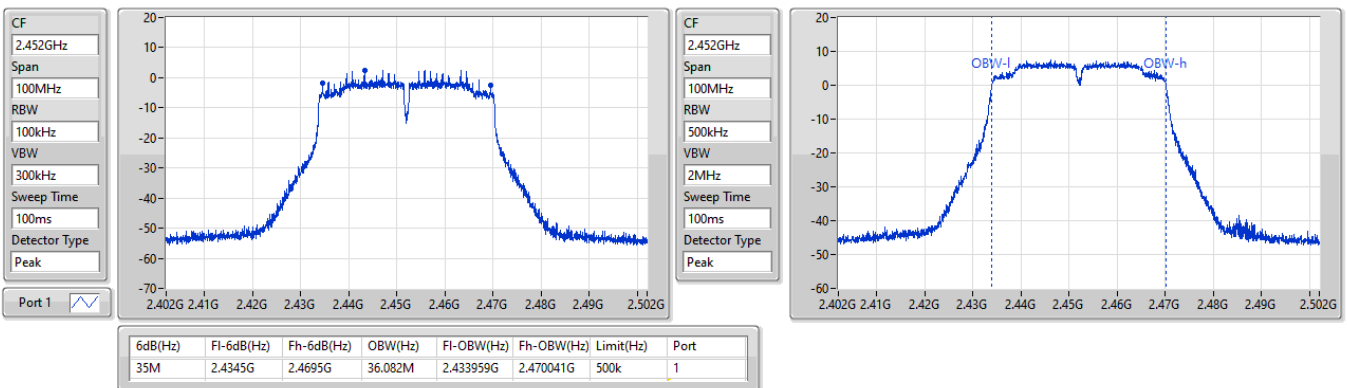


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port1)

EBW

2452MHz

23/05/2023

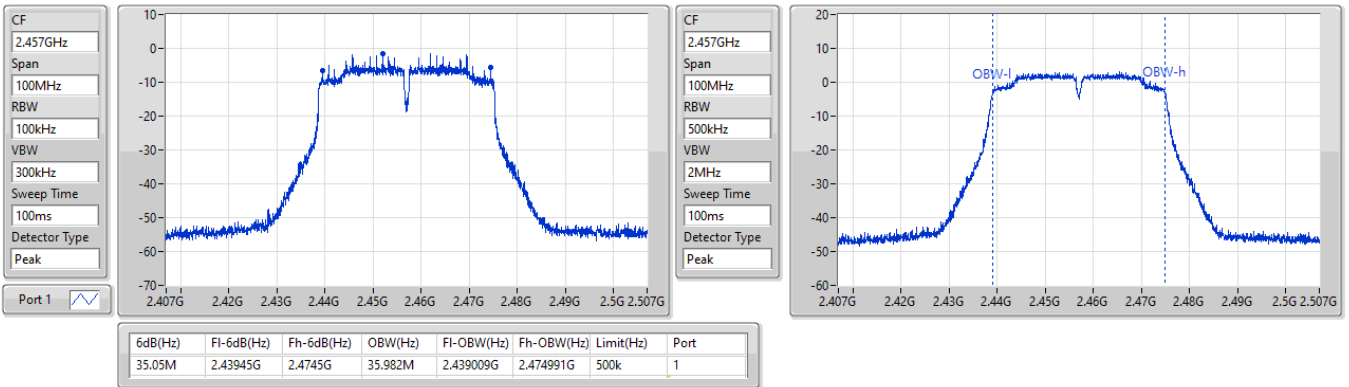


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port1)

EBW

2457MHz

03/03/2023

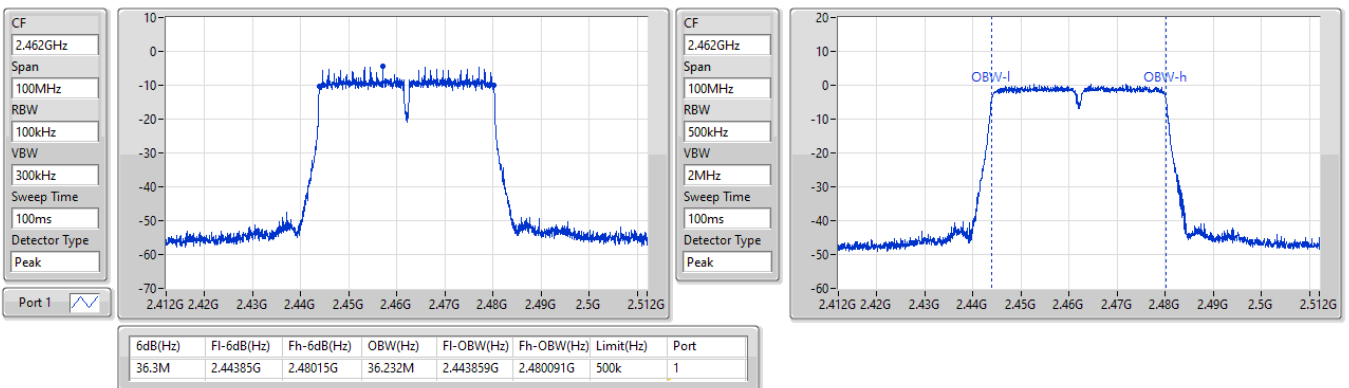


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port1)

EBW

2462MHz

03/03/2023

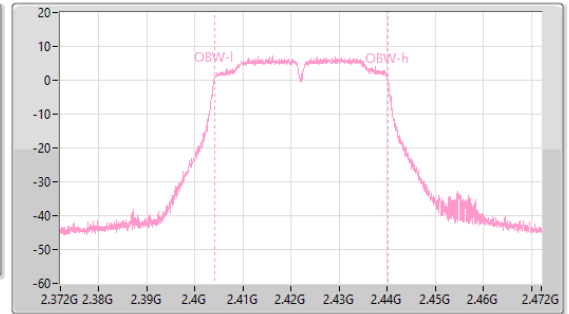
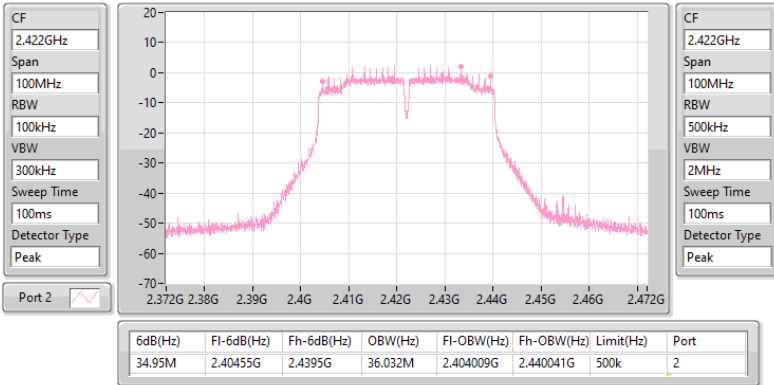


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port2)

EBW

2422MHz

03/03/2023

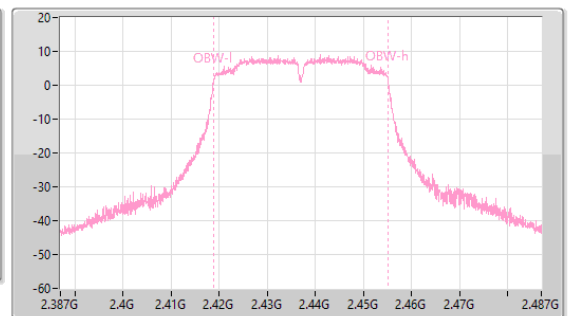
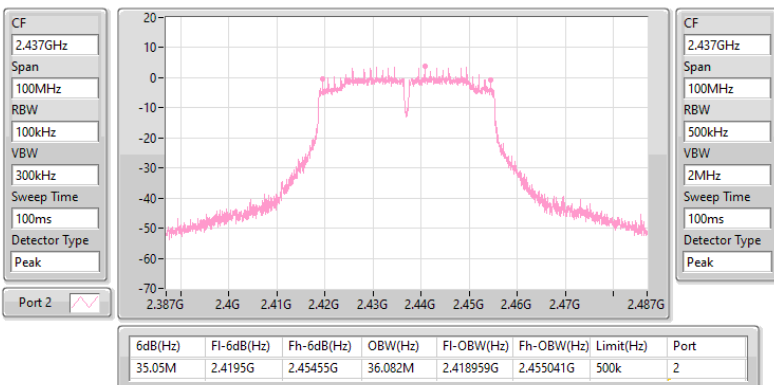


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port2)

EBW

2437MHz

03/03/2023

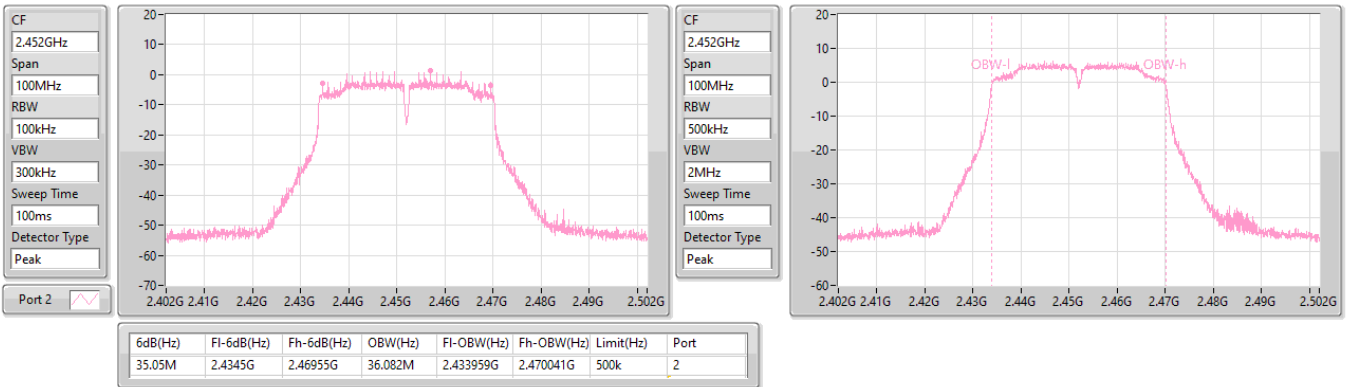


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port2)

EBW

2452MHz

03/03/2023

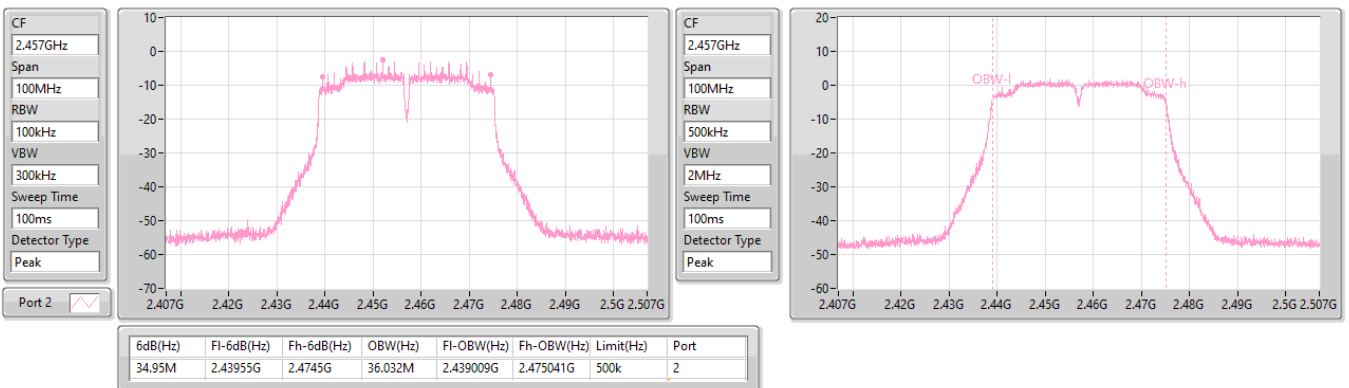


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port2)

EBW

2457MHz

03/03/2023

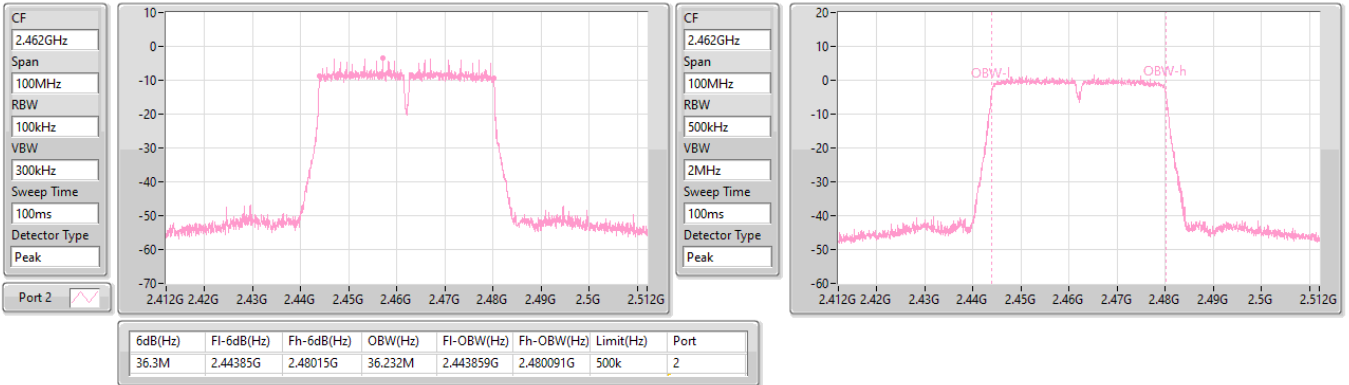


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS0)_1TX(Port2)

EBW

2462MHz

03/03/2023

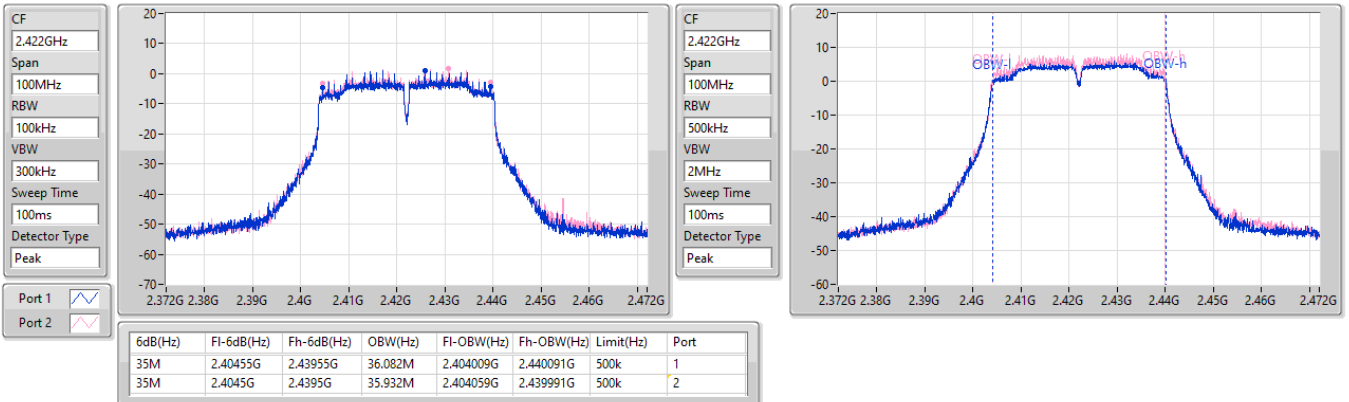


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS8)_2TX

EBW

2422MHz

03/03/2023

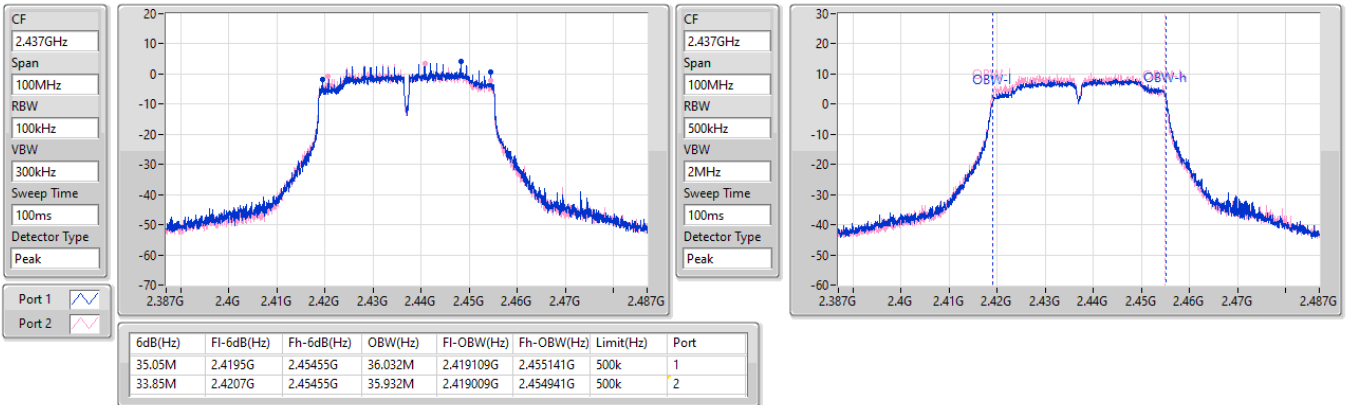


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS8)_2TX

EBW

2437MHz

03/03/2023

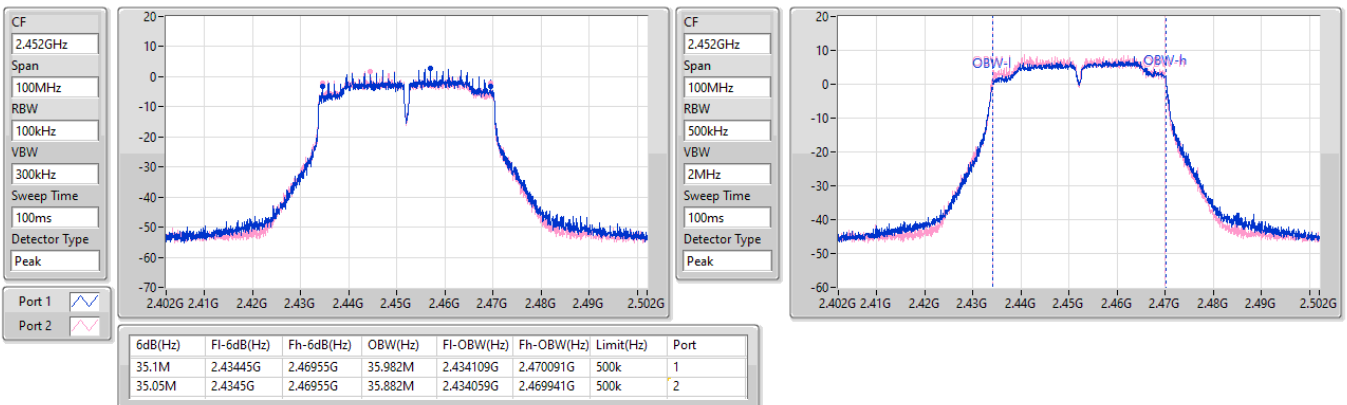


2.4-2.4835GHz_802.11n HT40_Nss1,(MCS8)_2TX

EBW

2452MHz

22/05/2023

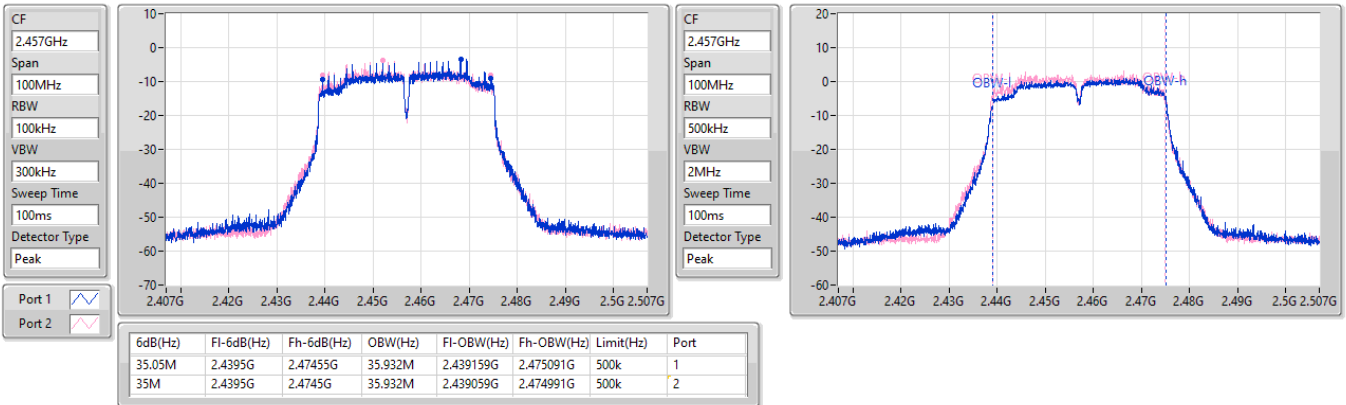


2.4-2.4835GHz_802.11n_HT40_Nss1,(MCS8)_2TX

EBW

2457MHz

03/03/2023

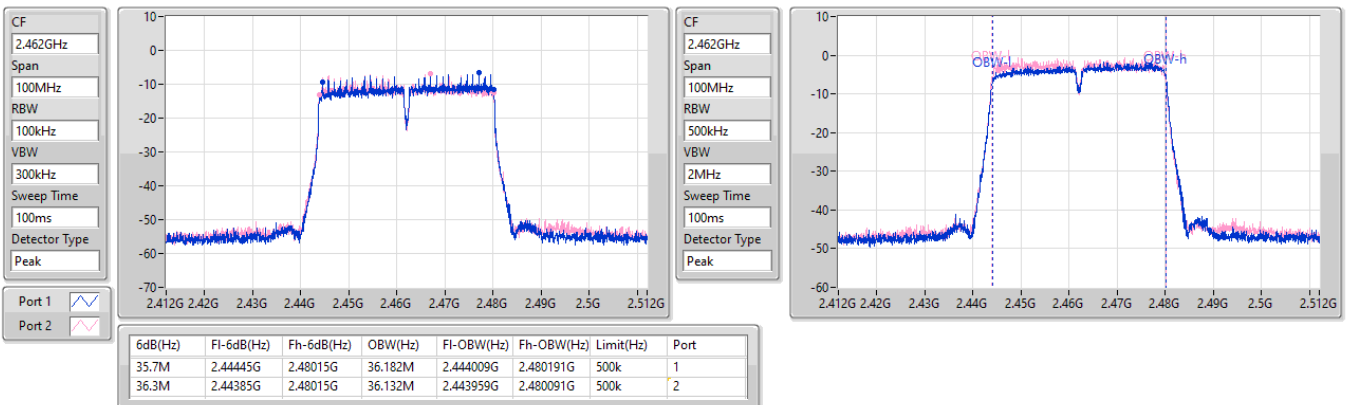


2.4-2.4835GHz_802.11n_HT40_Nss1,(MCS8)_2TX

EBW

2462MHz

03/03/2023

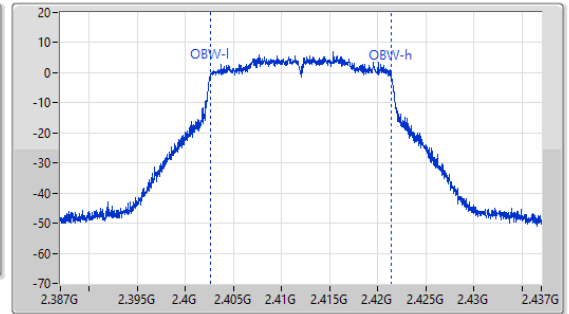
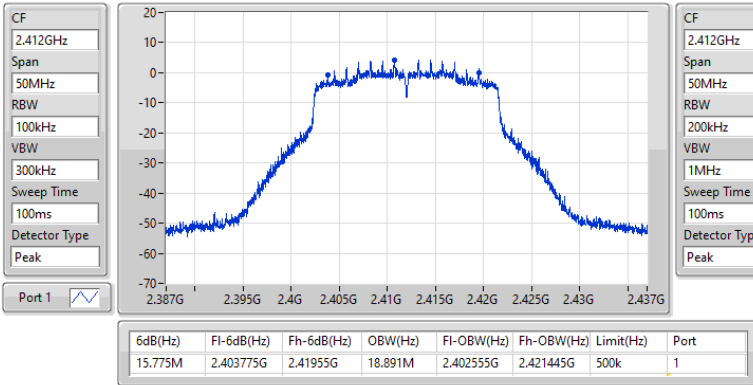


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

EBW

2412MHz

29/03/2023

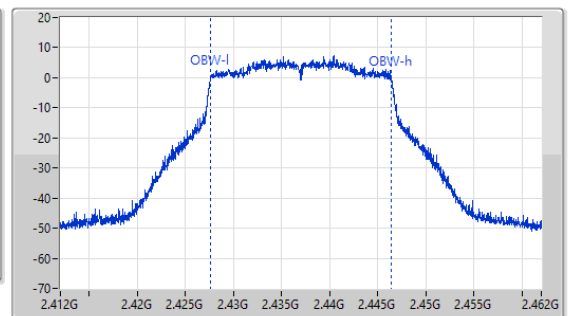
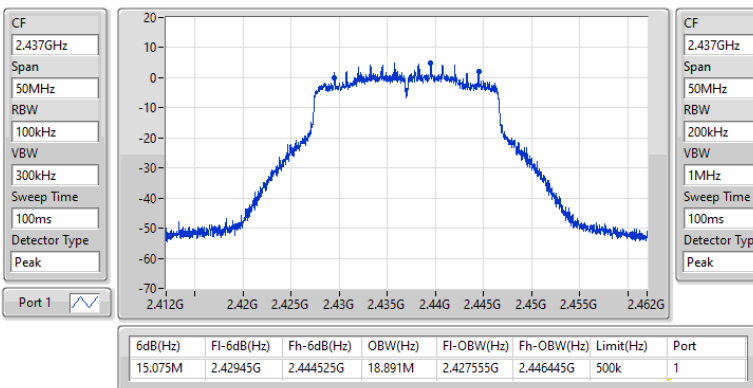


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

EBW

2437MHz

24/02/2023

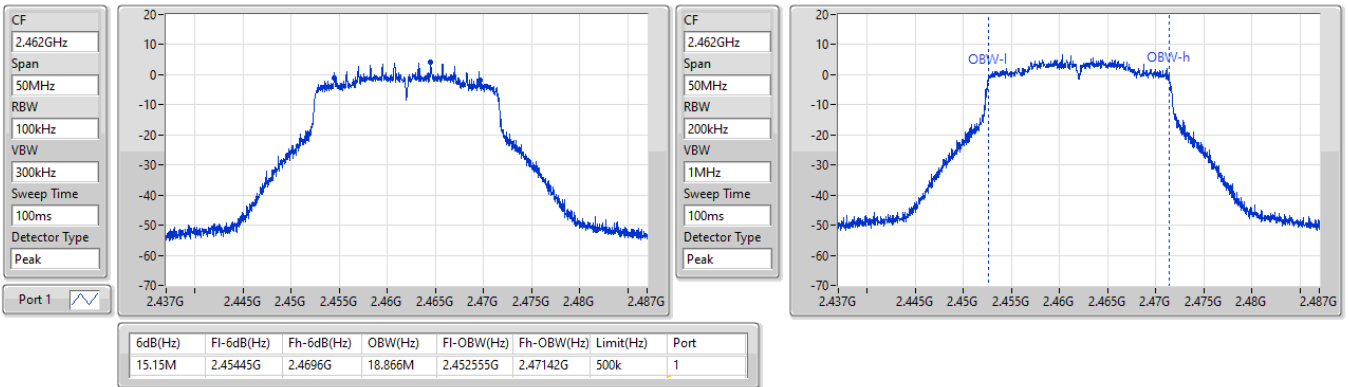


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

EBW

2462MHz

24/02/2023

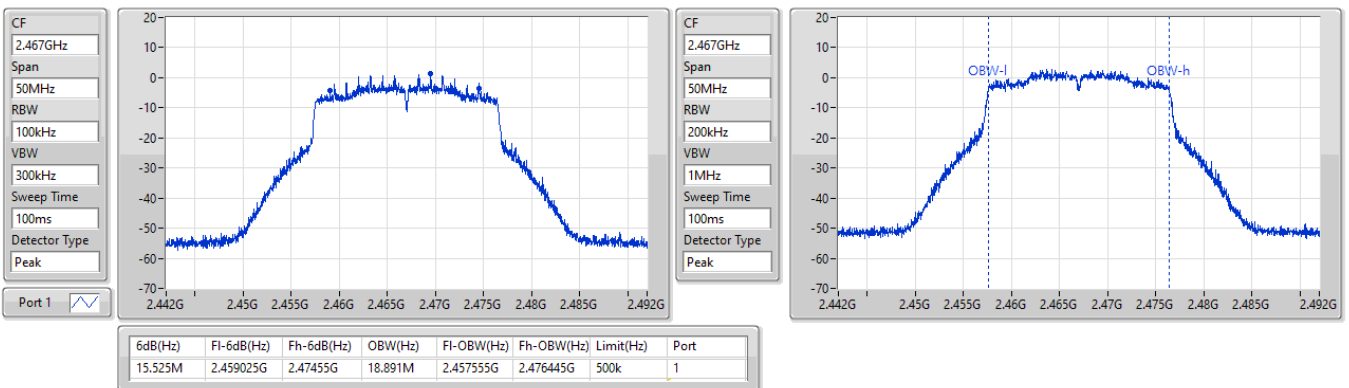


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

EBW

2467MHz

24/02/2023

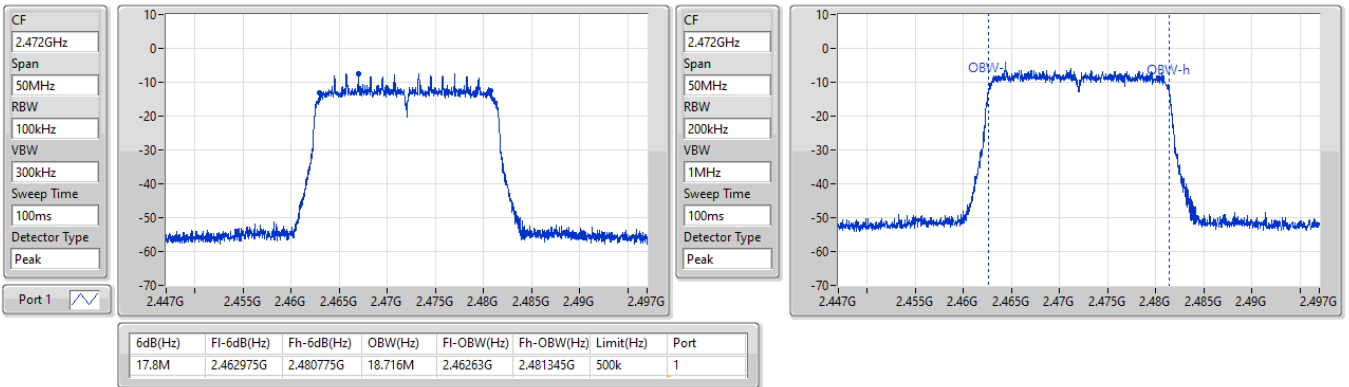


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)

EBW

2472MHz

24/02/2023

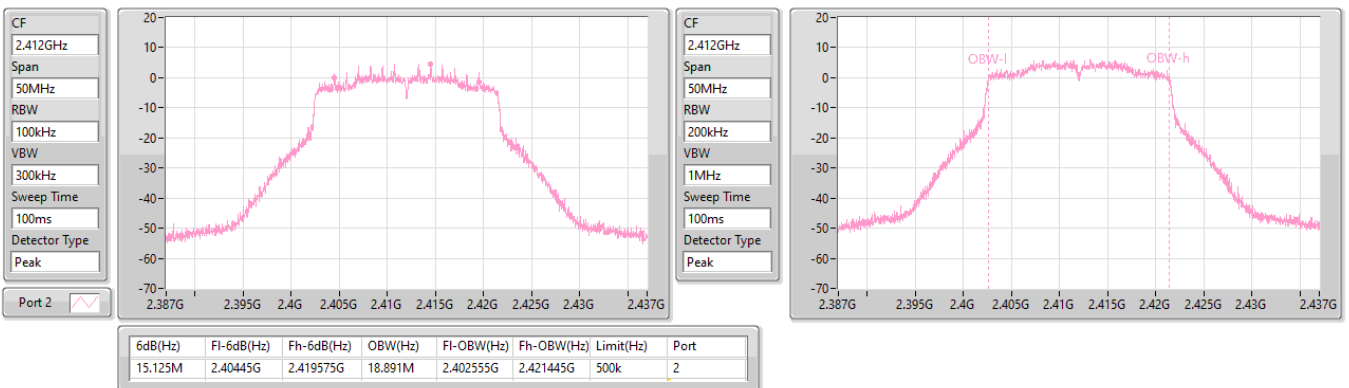


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

EBW

2412MHz

29/03/2023

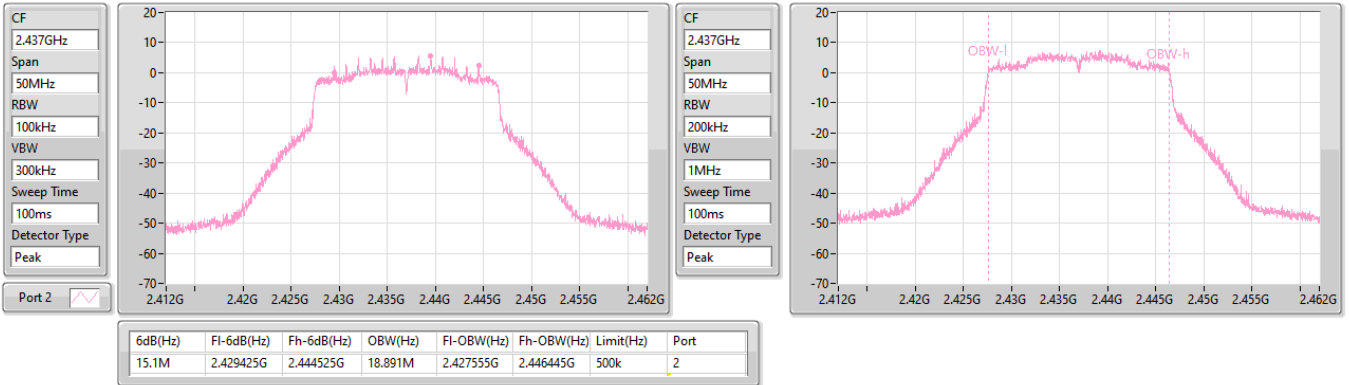


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

EBW

2437MHz

23/05/2023

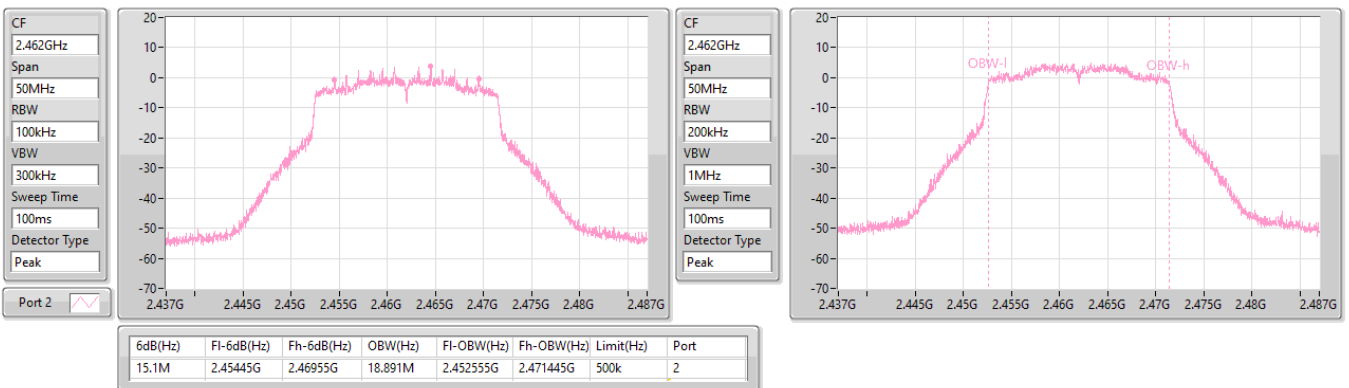


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

EBW

2462MHz

24/02/2023

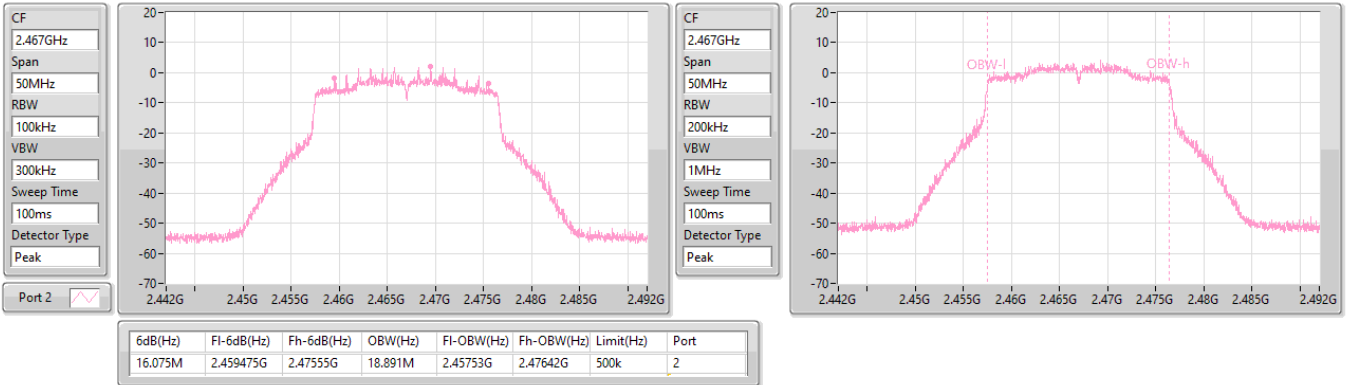


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

EBW

2467MHz

24/02/2023

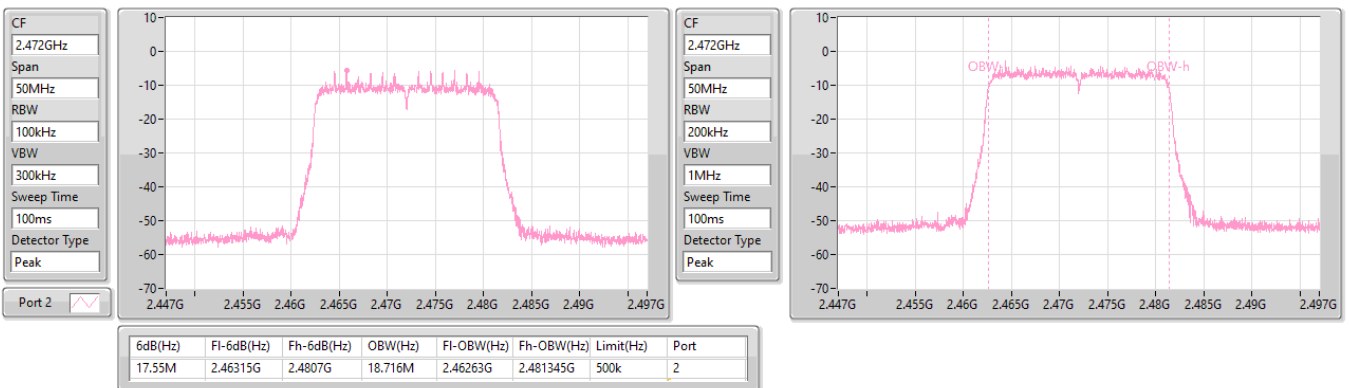


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)

EBW

2472MHz

24/02/2023

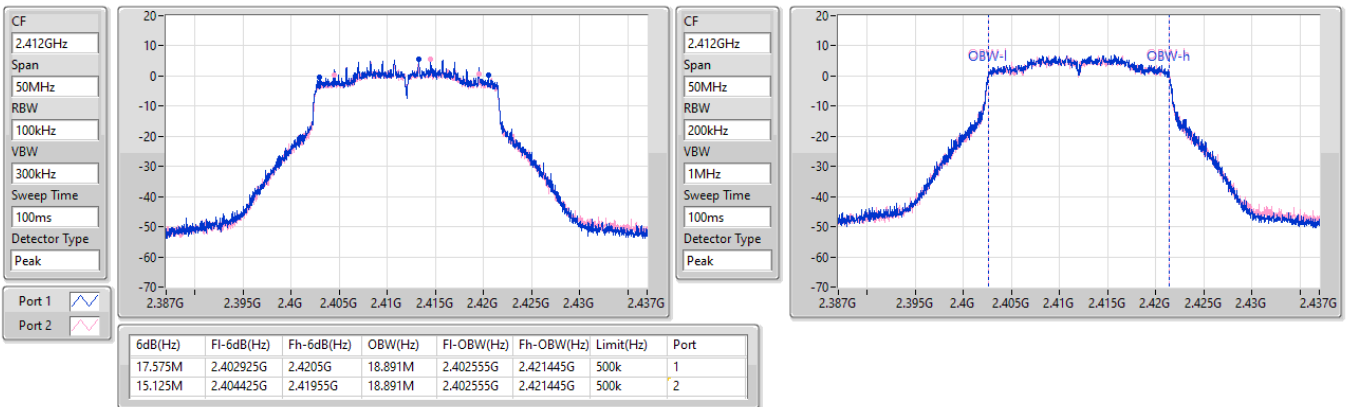


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2412MHz

22/05/2023

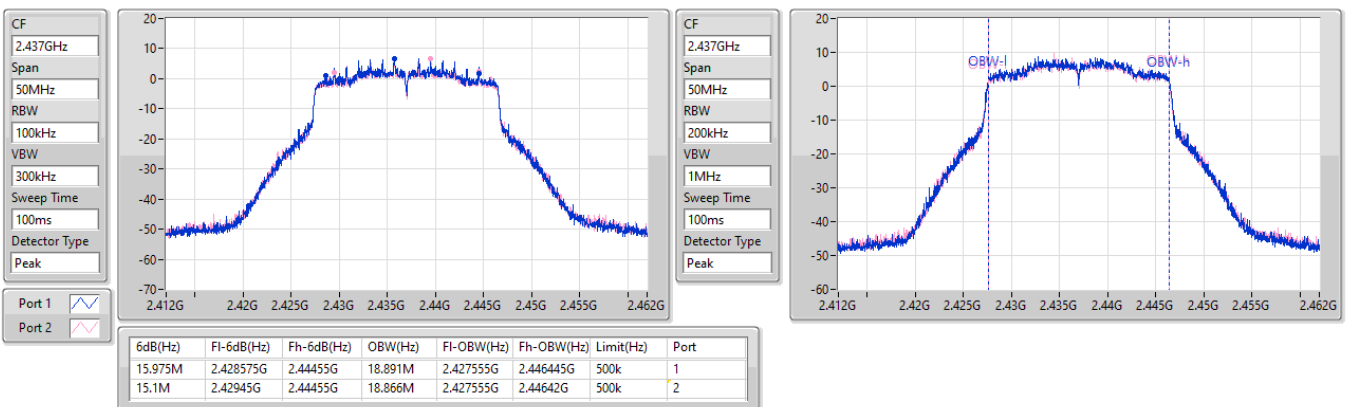


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2437MHz

22/05/2023

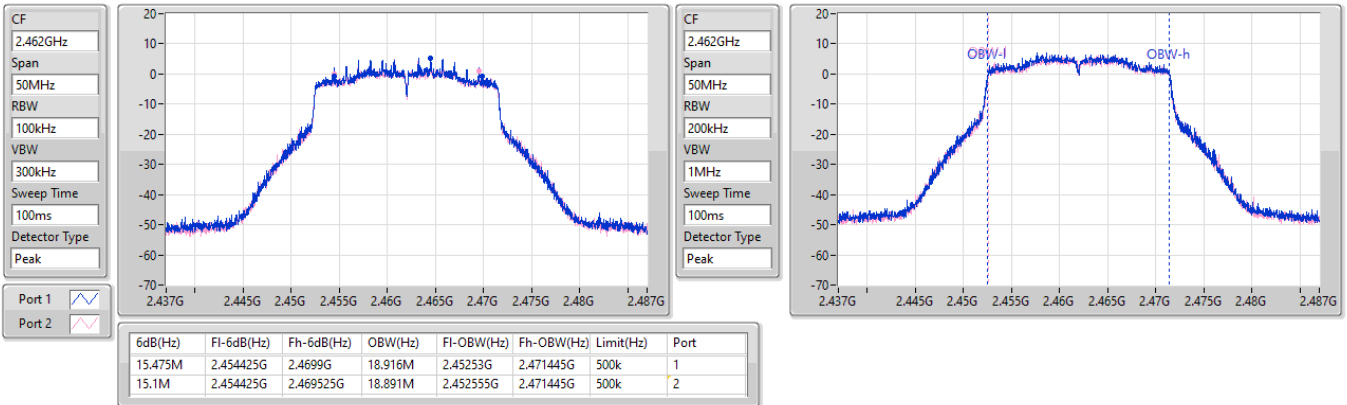


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2462MHz

22/05/2023

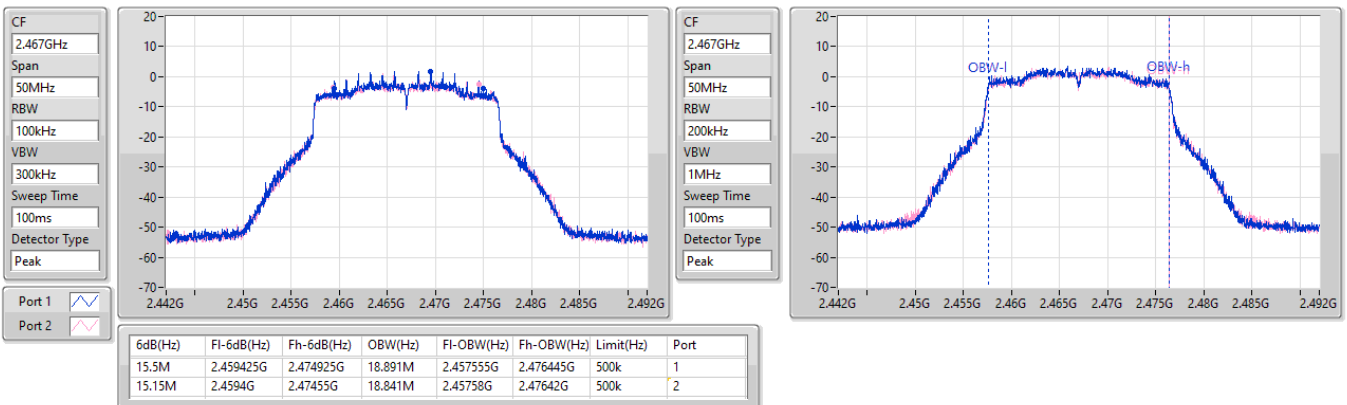


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

2467MHz

22/05/2023



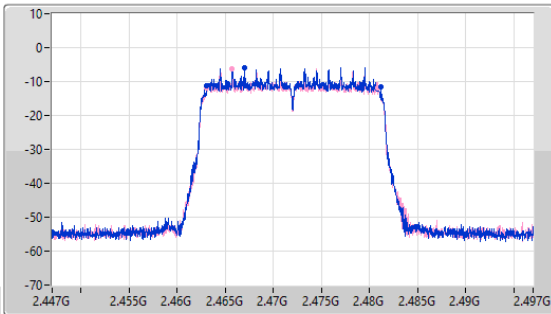
2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0)_2TX

EBW

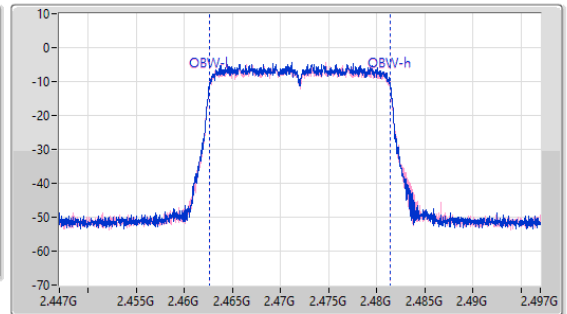
2472MHz

22/05/2023

CF
2.472GHz
Span
50MHz
RBW
100kHz
VBW
300kHz
Sweep Time
100ms
Detector Type
Peak



CF
2.472GHz
Span
50MHz
RBW
200kHz
VBW
1MHz
Sweep Time
100ms
Detector Type
Peak



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.05M	2.463075G	2.481125G	18.691M	2.462655G	2.481345G	500k	1
17.875M	2.463025G	2.4809G	18.716M	2.46263G	2.481345G	500k	2

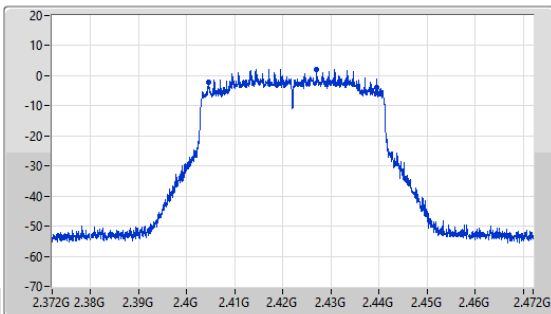
2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

EBW

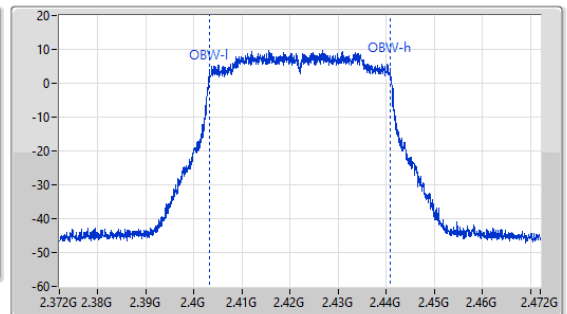
2422MHz

23/05/2023

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



CF
2.422GHz
Span
100MHz
RBW
500kHz
VBW
2MHz
Sweep Time
100ms
Detector Type
Peak



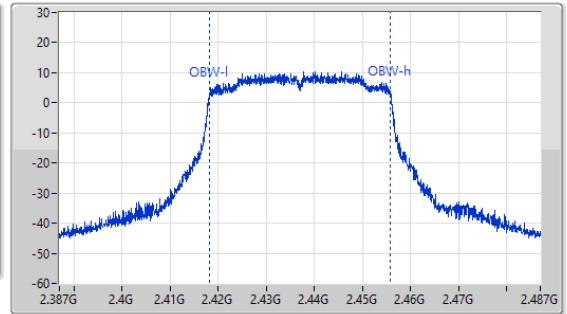
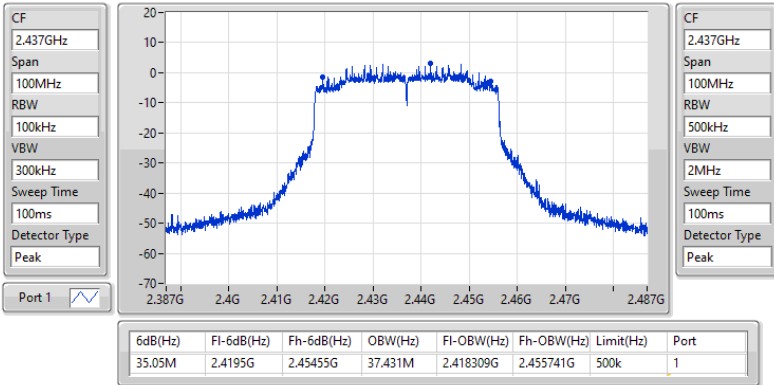
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.1M	2.40445G	2.43955G	37.531M	2.403259G	2.440791G	500k	1

2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

EBW

2437MHz

24/02/2023

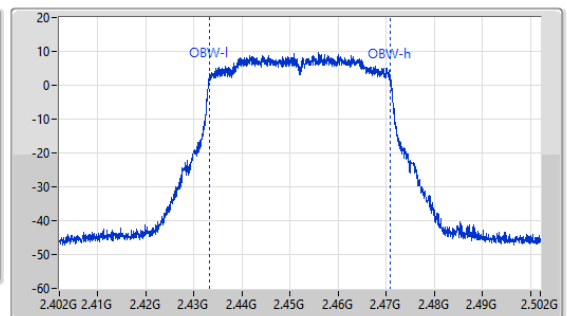
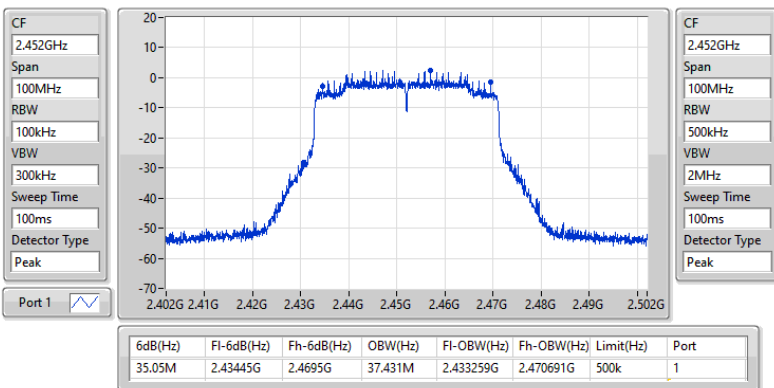


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

EBW

2452MHz

23/05/2023

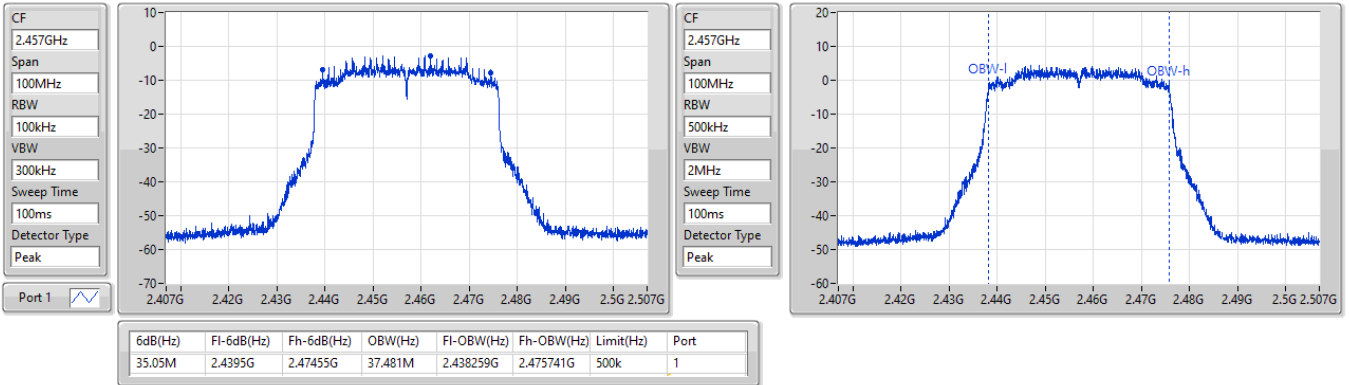


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

EBW

2457MHz

24/02/2023

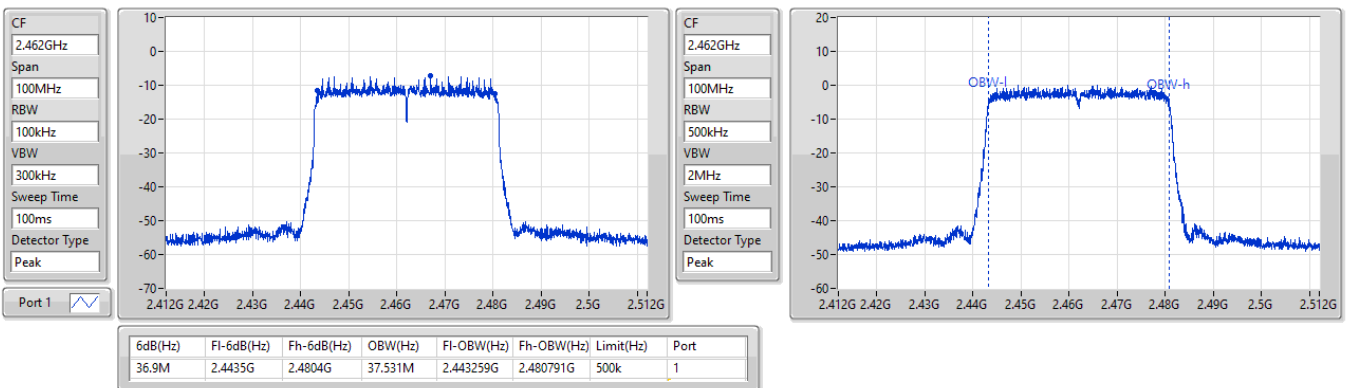


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)

EBW

2462MHz

24/02/2023

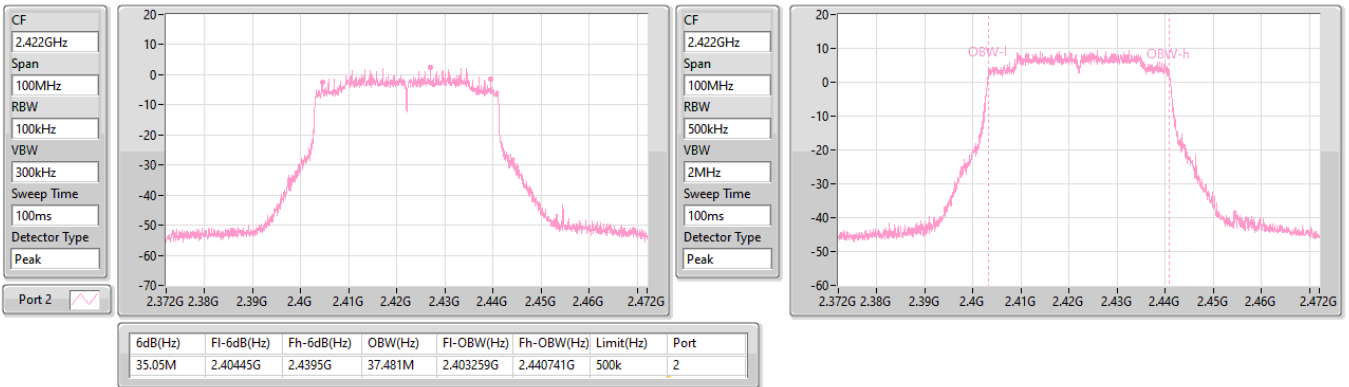


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

EBW

2422MHz

23/05/2023

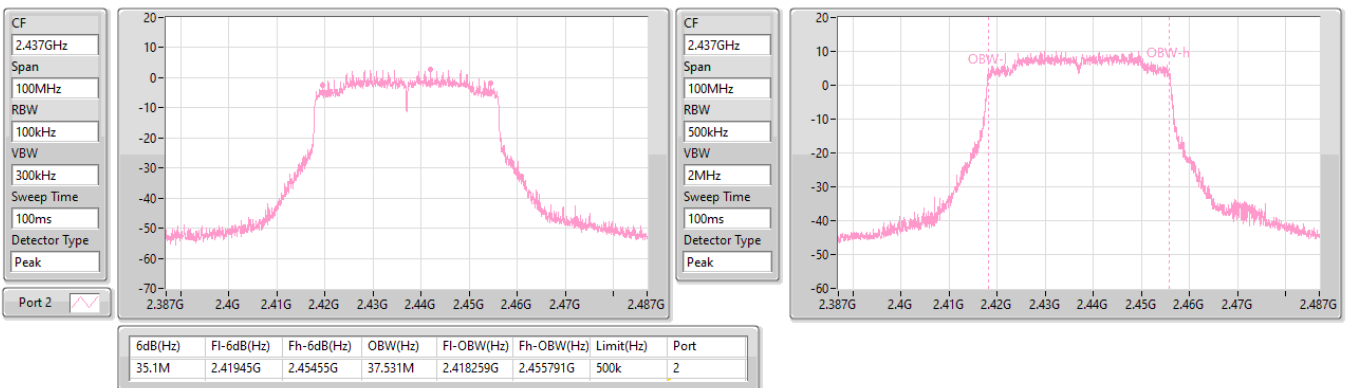


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

EBW

2437MHz

24/02/2023

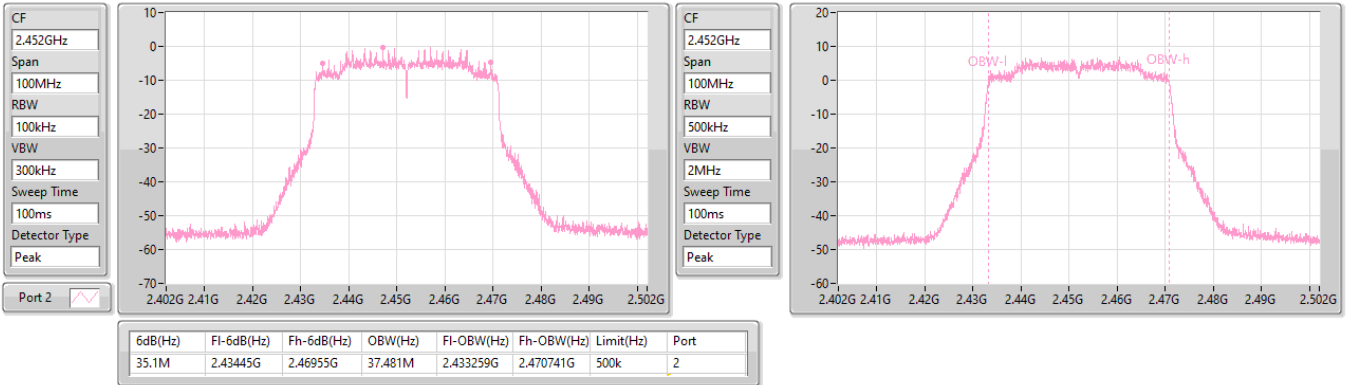


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

EBW

2452MHz

24/02/2023

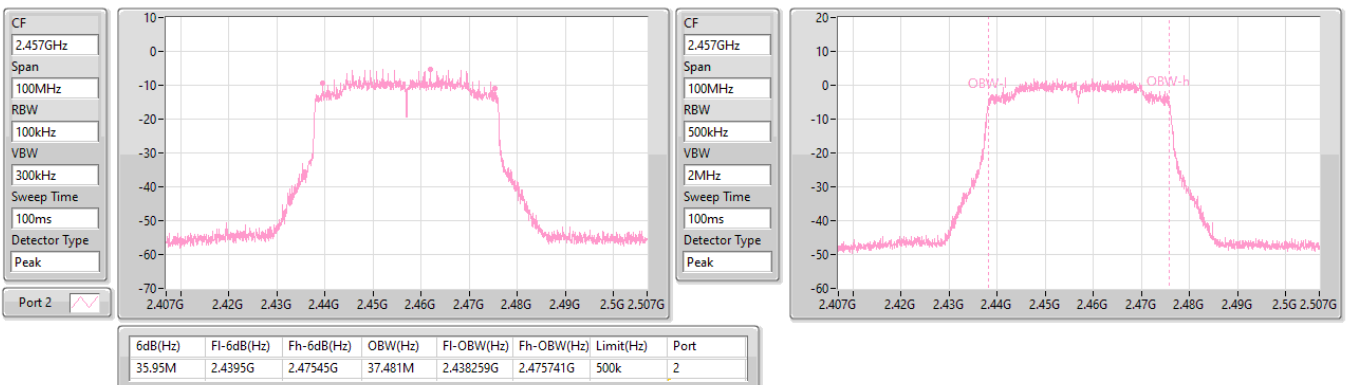


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

EBW

2457MHz

24/02/2023

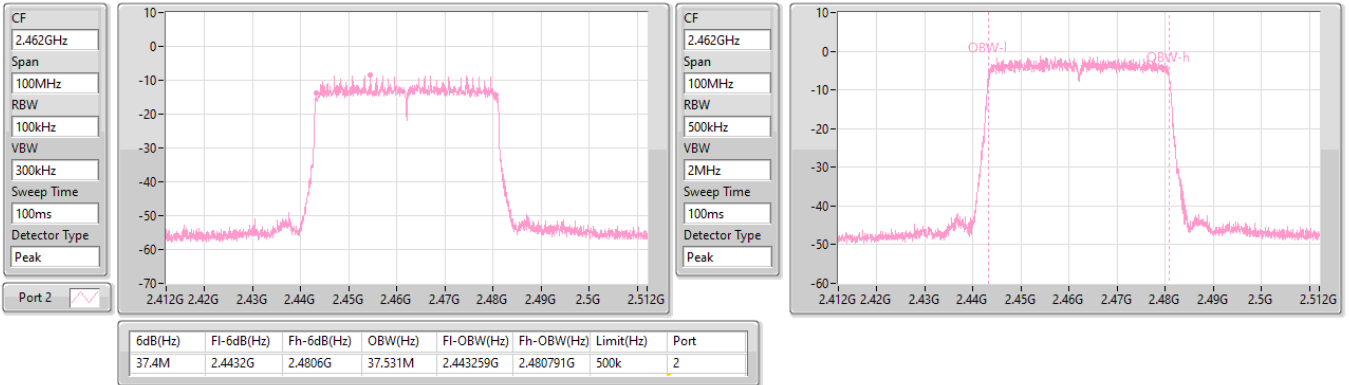


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)

EBW

2462MHz

24/02/2023

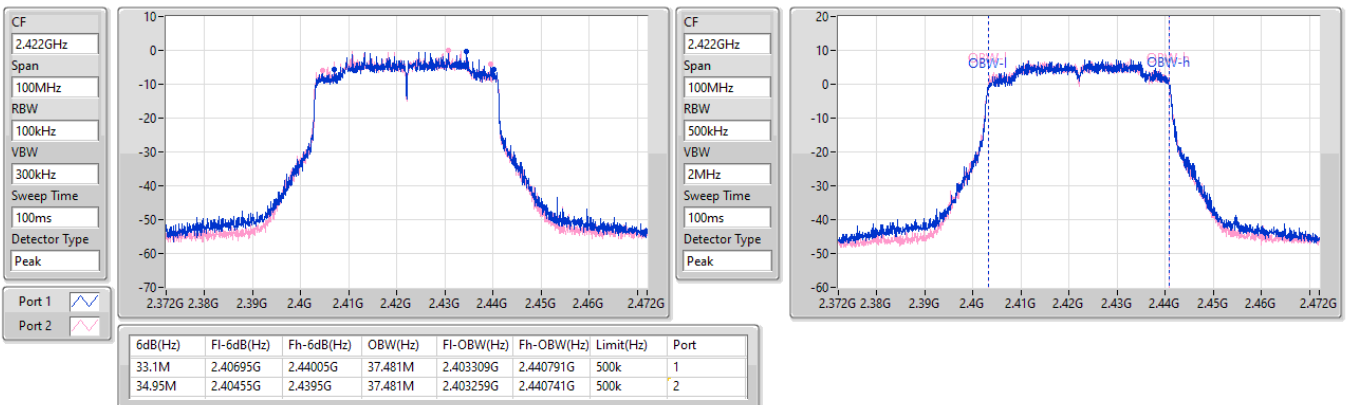


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2422MHz

24/02/2023

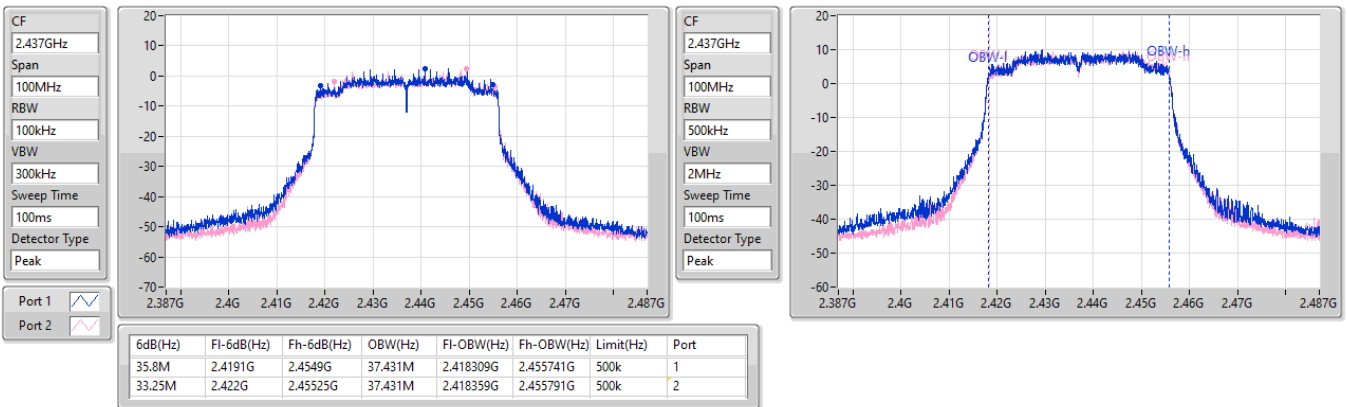


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2437MHz

24/02/2023

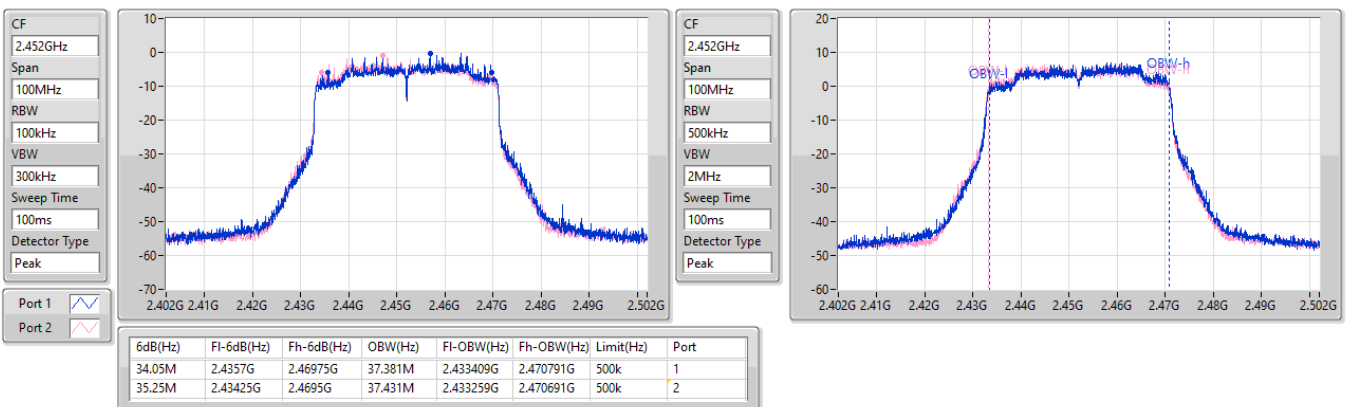


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2452MHz

24/02/2023

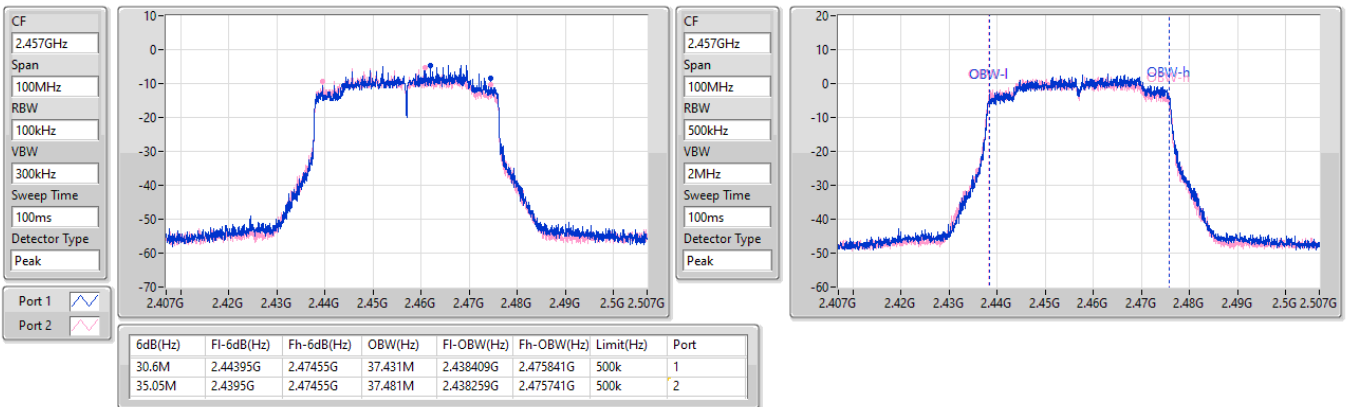


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2457MHz

24/02/2023

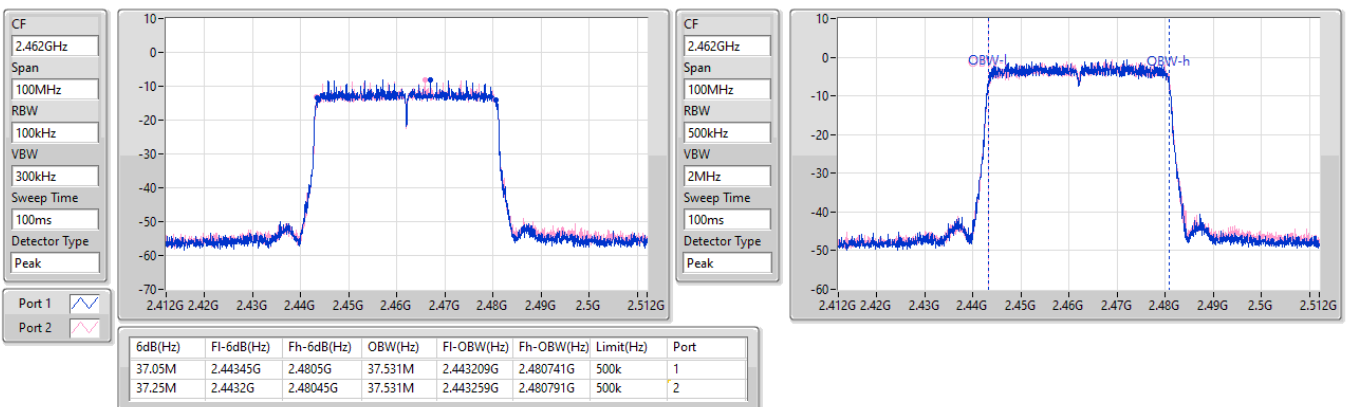


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0)_2TX

EBW

2462MHz

24/02/2023



Note: Trace mode Max Hold.

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_Nss1,(MCS0),RU 26,#RU 0_1TX(Port1)	16.95M	18.591M	18M6D1D	14.5M	18.566M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port2)	14.475M	18.666M	18M7D1D	2.025M	18.516M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port1)	15.75M	18.691M	18M7D1D	1.975M	18.166M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port2)	15.75M	18.641M	18M6D1D	1.95M	18.291M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port1)	17.025M	18.441M	18M4D1D	16.975M	18.266M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port2)	17M	18.641M	18M6D1D	17M	18.416M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)	16.975M	18.366M	18M4D1D	16.85M	18.116M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)	17.025M	18.416M	18M4D1D	16.9M	18.141M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port1)	17.125M	17.766M	17M8D1D	17.125M	17.766M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)	18.325M	18.366M	18M4D1D	18.325M	18.366M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)	17.325M	18.241M	18M2D1D	16.975M	17.741M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)	17.15M	18.241M	18M2D1D	16.9M	17.916M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	14.5M	18.791M	18M8D1D	2.075M	18.566M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	15.75M	18.691M	18M7D1D	2M	18.266M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	17.05M	18.741M	18M7D1D	16.95M	18.216M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	17M	18.491M	18M5D1D	16.9M	18.116M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	18.3M	18.666M	18M7D1D	17.125M	18.241M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	18.3M	18.466M	18M5D1D	16.95M	18.041M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port1)	15.25M	18.741M	18M7D1D	13.95M	18.741M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port2)	15M	18.941M	18M9D1D	13.3M	18.691M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)	18.3M	18.641M	18M6D1D	15.05M	18.541M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)	18.15M	18.691M	18M7D1D	13.8M	18.541M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_2TX	16.8M	18.791M	18M8D1D	15.05M	18.691M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX	18.2M	18.691M	18M7D1D	15.05M	18.541M

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_Nss1,(MCS0),RU 26,#RU 0_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	14.5M	18.566M		
2437MHz	Pass	500k	16.95M	18.591M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			2.025M	18.516M
2437MHz	Pass	500k			14.475M	18.666M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.5M	18.566M	2.075M	18.591M
2437MHz	Pass	500k	14.475M	18.666M	4.45M	18.791M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port1)	-	-	-	-	-	-
2462MHz	Pass	500k	15.75M	18.516M		
2467MHz	Pass	500k	2.025M	18.691M		
2472MHz	Pass	500k	1.975M	18.166M		
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port2)	-	-	-	-	-	-
2462MHz	Pass	500k			15.75M	18.641M
2467MHz	Pass	500k			14.475M	18.591M
2472MHz	Pass	500k			1.95M	18.291M
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-
2462MHz	Pass	500k	15.75M	18.691M	2.025M	18.641M
2467MHz	Pass	500k	2.025M	18.666M	15.725M	18.566M
2472MHz	Pass	500k	2M	18.316M	2M	18.266M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	17.025M	18.266M		
2437MHz	Pass	500k	16.975M	18.441M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	500k			17M	18.416M
2437MHz	Pass	500k			17M	18.641M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.05M	18.216M	16.95M	18.216M
2437MHz	Pass	500k	17.025M	18.566M	17M	18.741M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)	-	-	-	-	-	-
2462MHz	Pass	500k	16.975M	18.291M		
2467MHz	Pass	500k	16.975M	18.366M		
2472MHz	Pass	500k	16.85M	18.116M		
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)	-	-	-	-	-	-
2462MHz	Pass	500k			17.025M	18.391M
2467MHz	Pass	500k			17M	18.416M
2472MHz	Pass	500k			16.9M	18.141M
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-
2462MHz	Pass	500k	16.975M	18.441M	17M	18.316M
2467MHz	Pass	500k	16.975M	18.491M	17M	18.416M
2472MHz	Pass	500k	16.9M	18.216M	16.95M	18.116M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	17.125M	17.766M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)	-	-	-	-	-	-
2437MHz	Pass	500k			18.325M	18.366M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	500k	17.125M	17.766M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)	-	-	-	-	-	-
2437MHz	Pass	500k			18.325M	18.366M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.125M	18.241M	18.25M	18.291M
2437MHz	Pass	500k	18.275M	18.416M	18.3M	18.666M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)	-	-	-	-	-	-
2462MHz	Pass	500k	17.175M	18.241M		



Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
2467MHz	Pass	500k	17.325M	18.216M		
2472MHz	Pass	500k	16.975M	17.741M		
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)	-	-	-	-	-	-
2462MHz	Pass	500k			17.075M	18.091M
2467MHz	Pass	500k			17.15M	18.241M
2472MHz	Pass	500k			16.9M	17.916M
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-
2462MHz	Pass	500k	17.1M	18.466M	17.15M	18.416M
2467MHz	Pass	500k	18.275M	18.341M	18.3M	18.416M
2472MHz	Pass	500k	17M	18.041M	16.95M	18.066M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	500k	15.25M	18.741M		
2437MHz	Pass	500k	13.95M	18.741M		
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	500k			13.3M	18.691M
2437MHz	Pass	500k			15M	18.941M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	15.05M	18.691M	15.7M	18.691M
2437MHz	Pass	500k	16.8M	18.741M	15.05M	18.791M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)	-	-	-	-	-	-
2452MHz	Pass	500k	16.05M	18.641M		
2457MHz	Pass	500k	15.05M	18.641M		
2462MHz	Pass	500k	18.3M	18.541M		
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)	-	-	-	-	-	-
2452MHz	Pass	500k			15M	18.691M
2457MHz	Pass	500k			13.8M	18.691M
2462MHz	Pass	500k			18.15M	18.541M
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX	-	-	-	-	-	-
2452MHz	Pass	500k	15.1M	18.691M	15.35M	18.691M
2457MHz	Pass	500k	15.05M	18.691M	15.25M	18.691M
2462MHz	Pass	500k	18.2M	18.541M	18.2M	18.541M

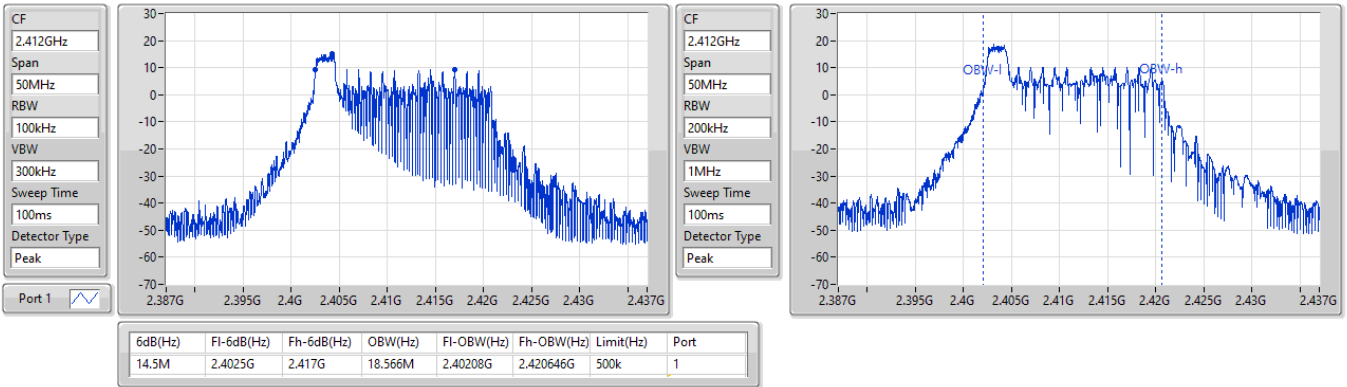
Port X-N dB = Port X 6dB down bandwidth;
 Port X-OBW = Port X 99% occupied bandwidth

2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port1)

EBW

2412MHz

09/03/2023

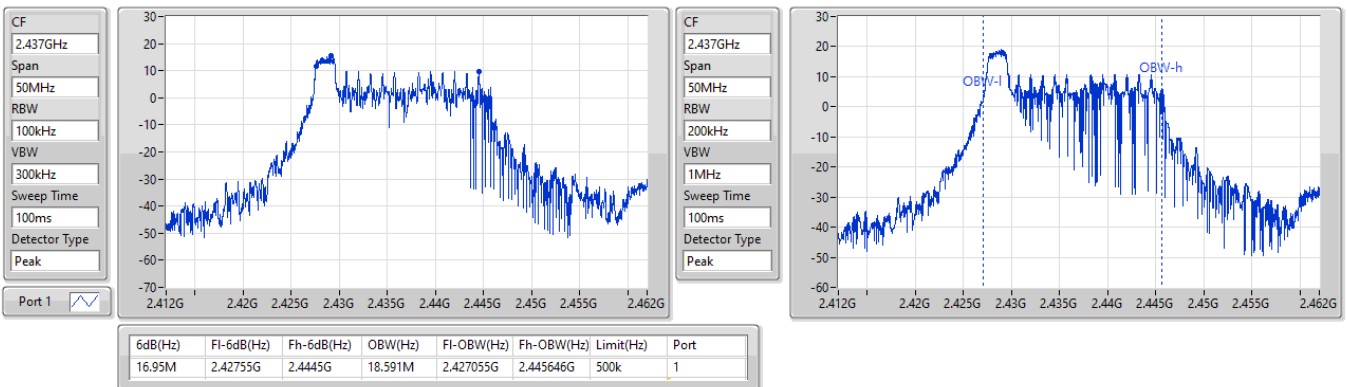


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port1)

EBW

2437MHz

09/03/2023

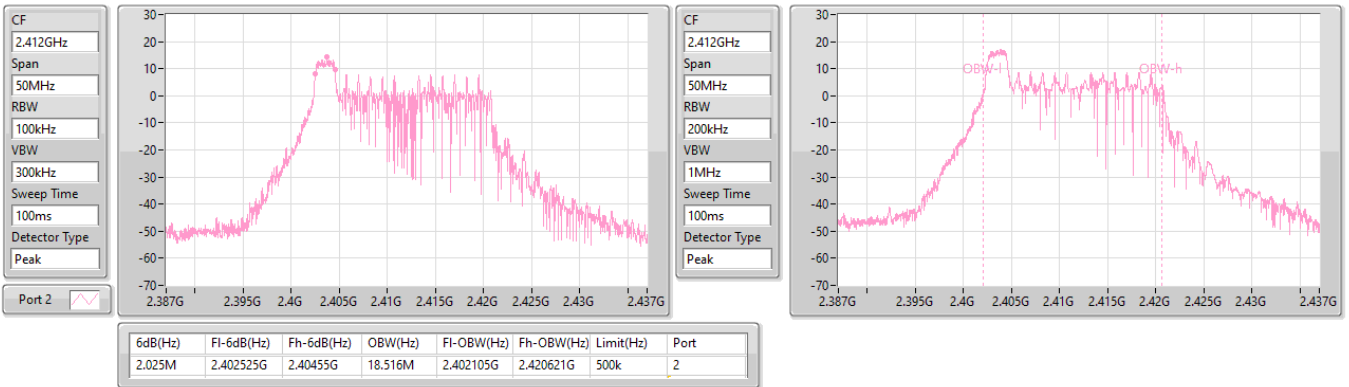


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port2)

EBW

2412MHz

09/03/2023

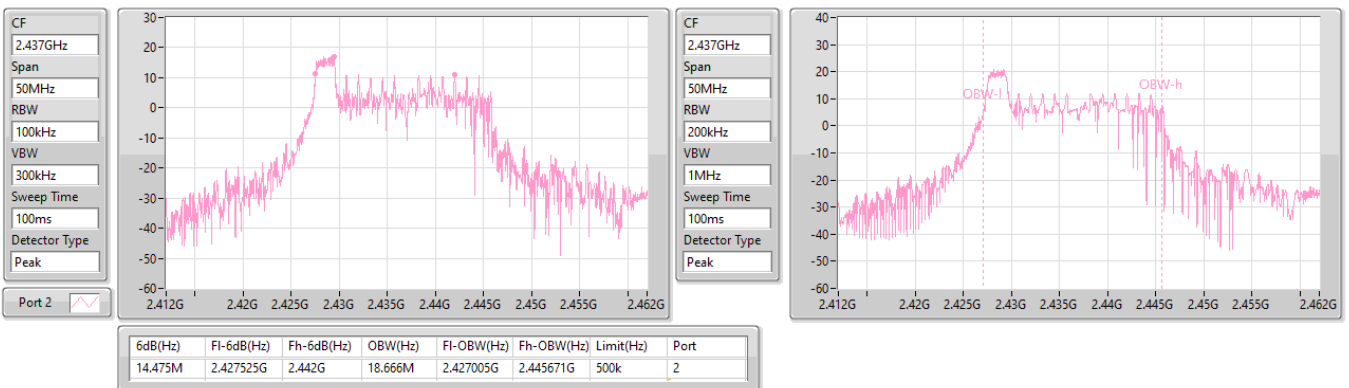


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port2)

EBW

2437MHz

09/03/2023

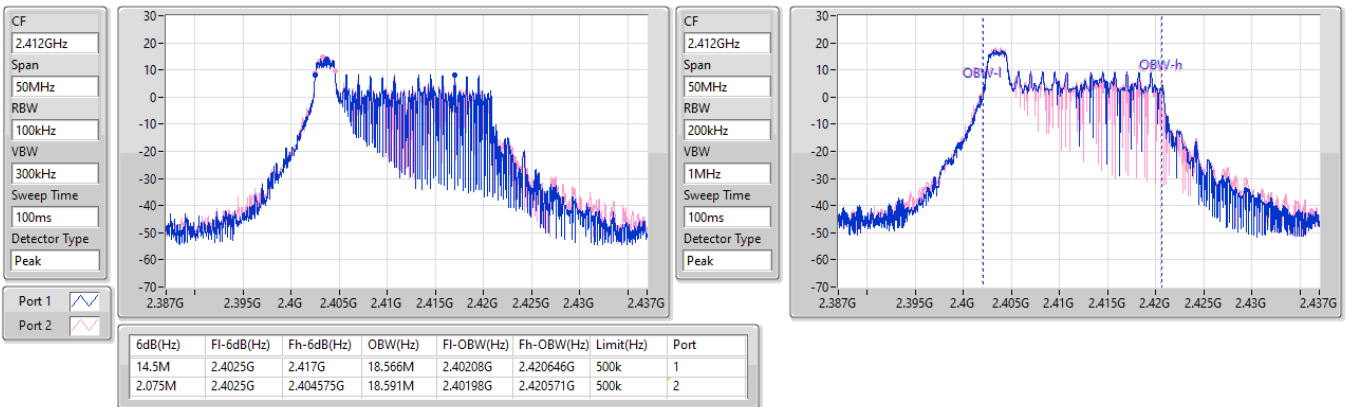


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EBW

2412MHz

09/03/2023

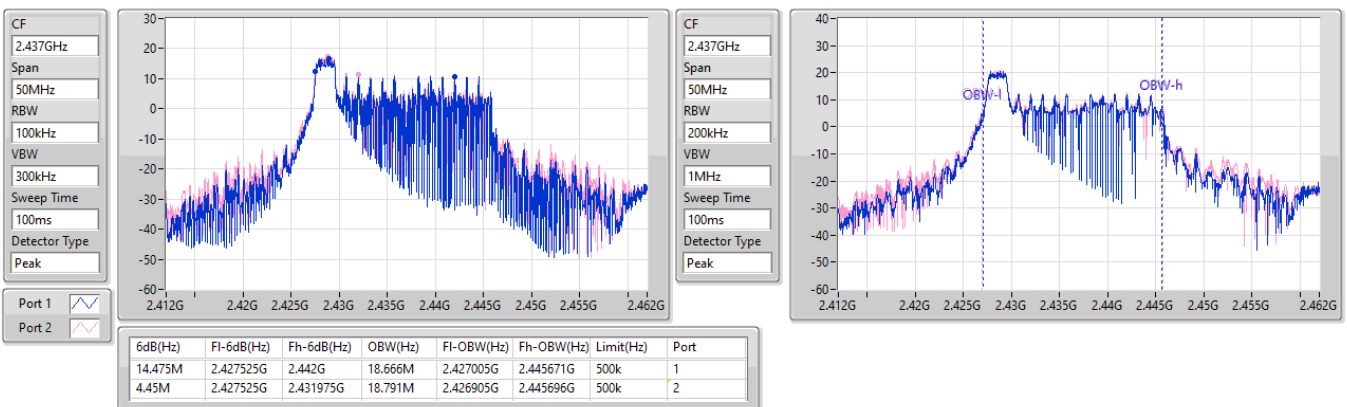


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX

EBW

2437MHz

09/03/2023

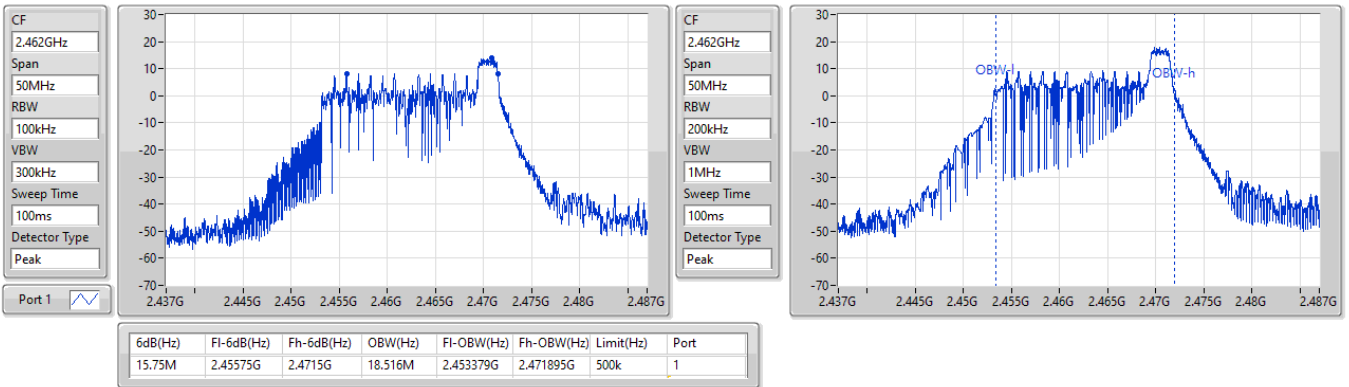


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port1)

EBW

2462MHz

09/03/2023

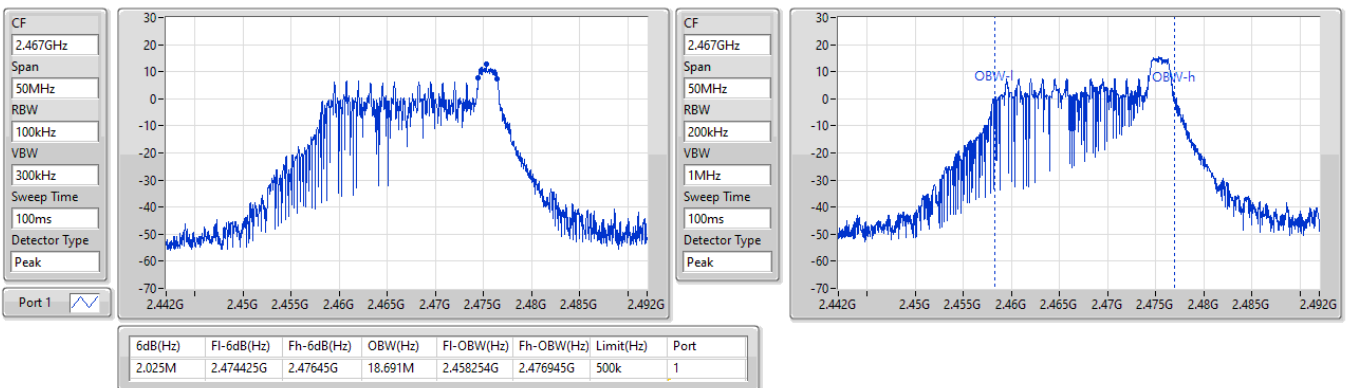


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EBW

2467MHz

09/03/2023

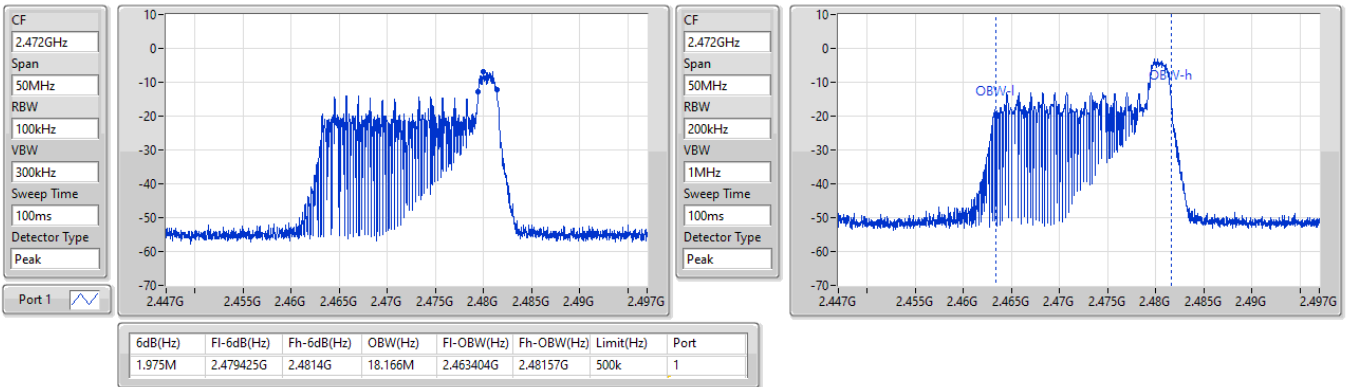


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EBW

2472MHz

09/03/2023

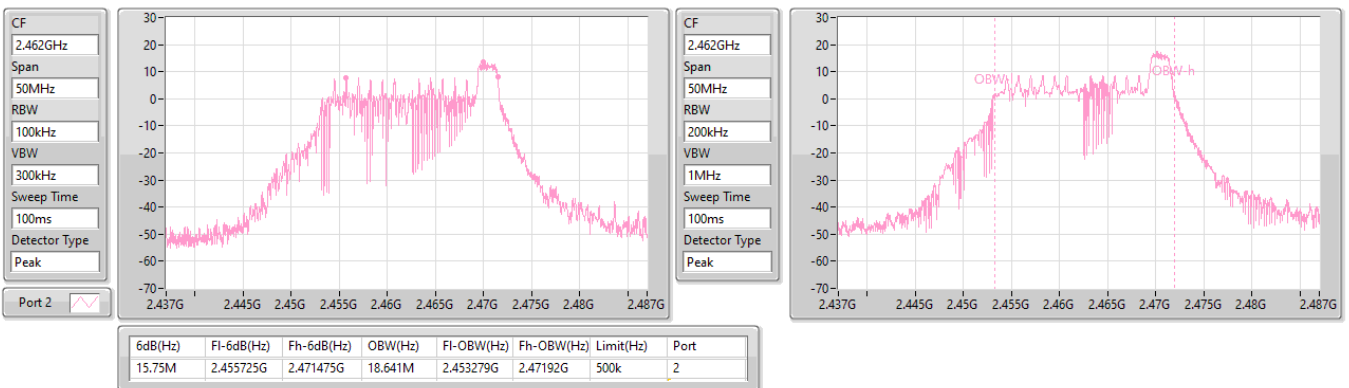


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port2)

EBW

2462MHz

09/03/2023

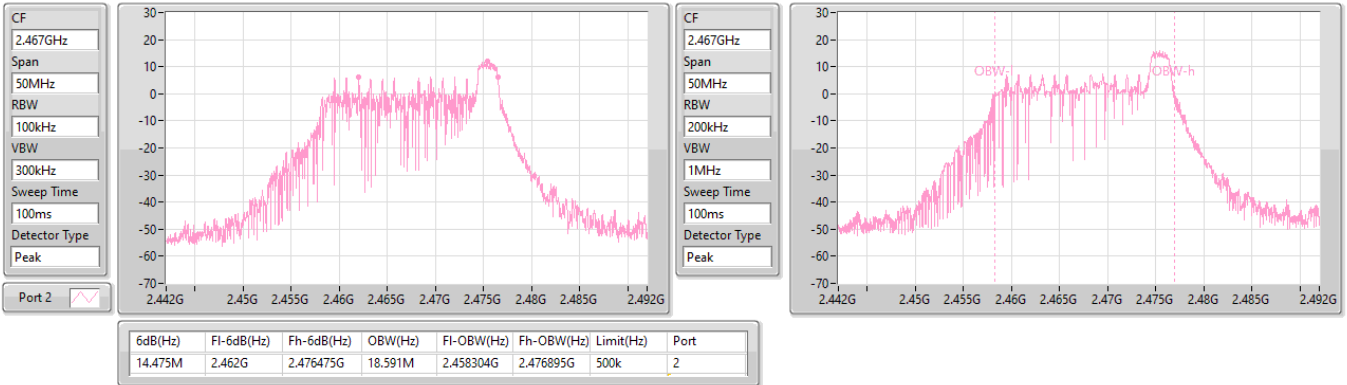


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EBW

2467MHz

09/03/2023

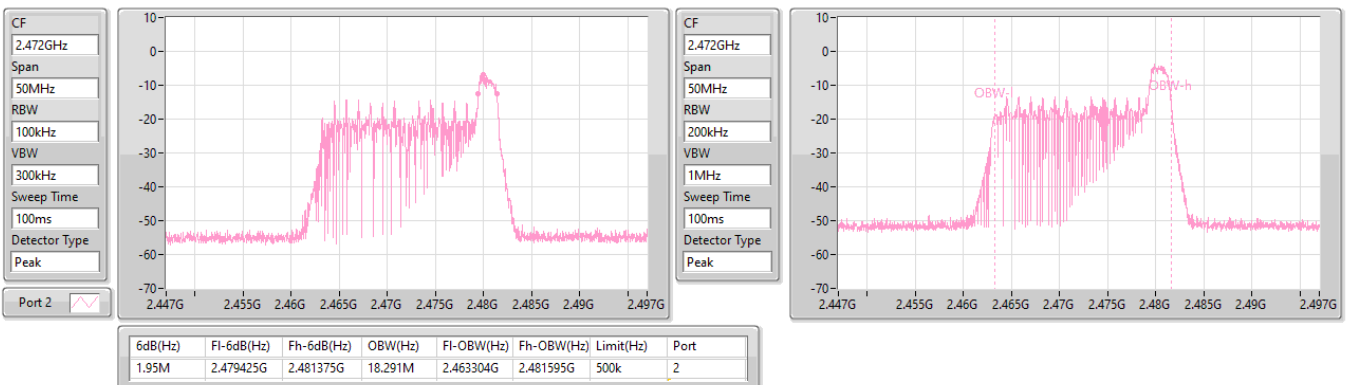


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EBW

2472MHz

09/03/2023

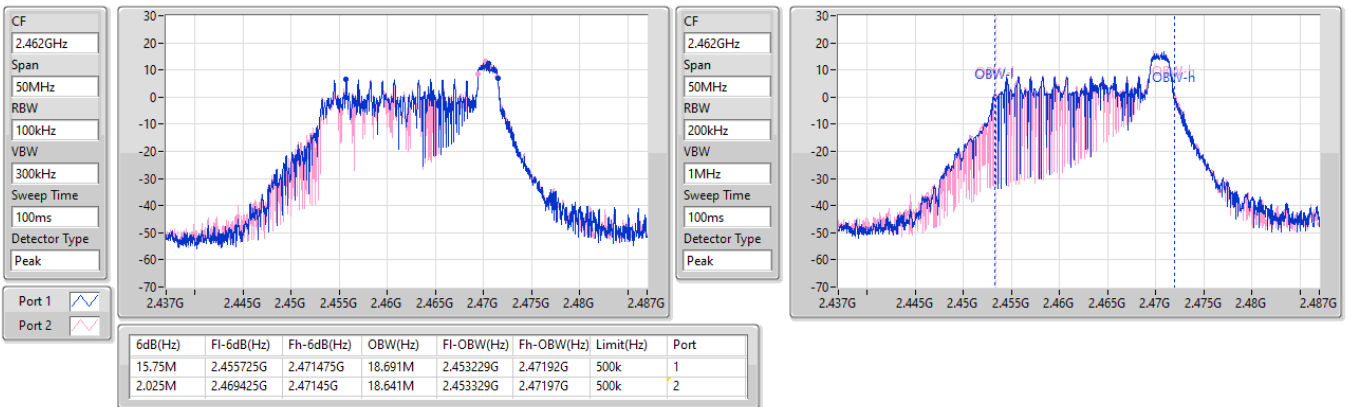


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EBW

2462MHz

09/03/2023

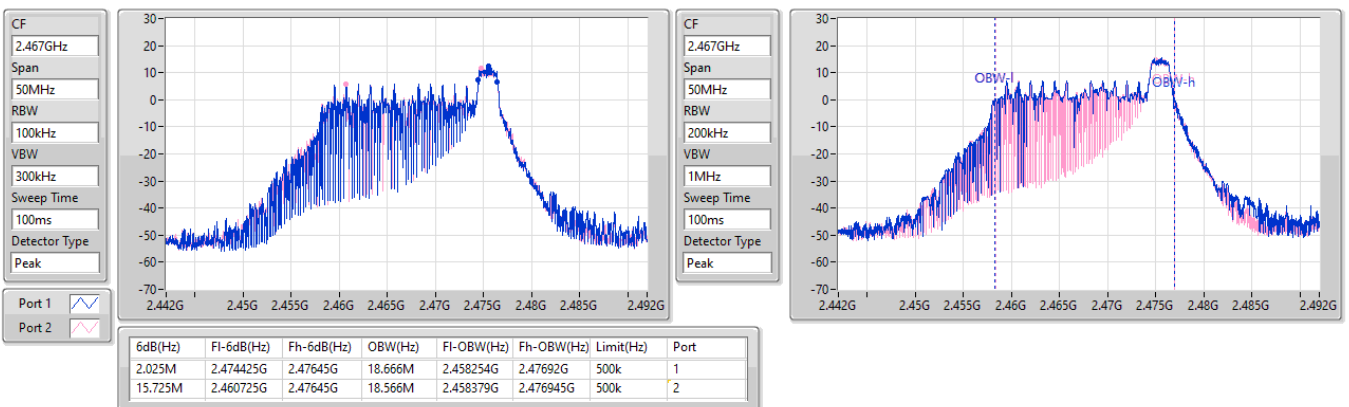


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EBW

2467MHz

09/03/2023

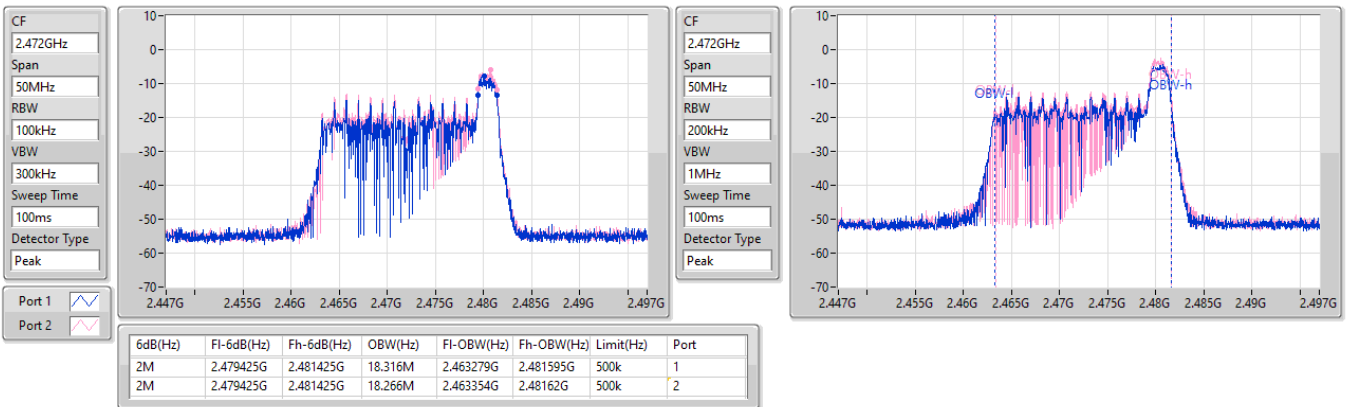


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX

EBW

2472MHz

09/03/2023

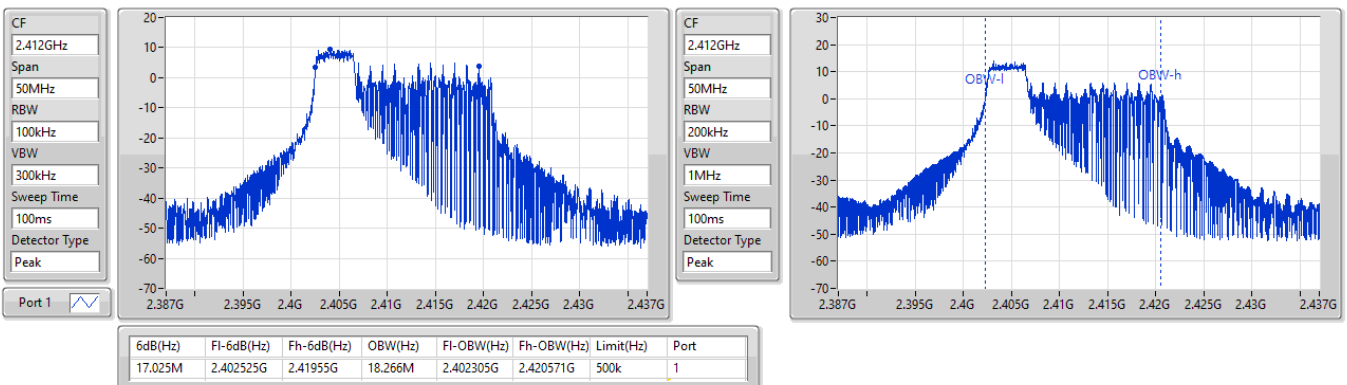


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port1)

EBW

2412MHz

09/03/2023

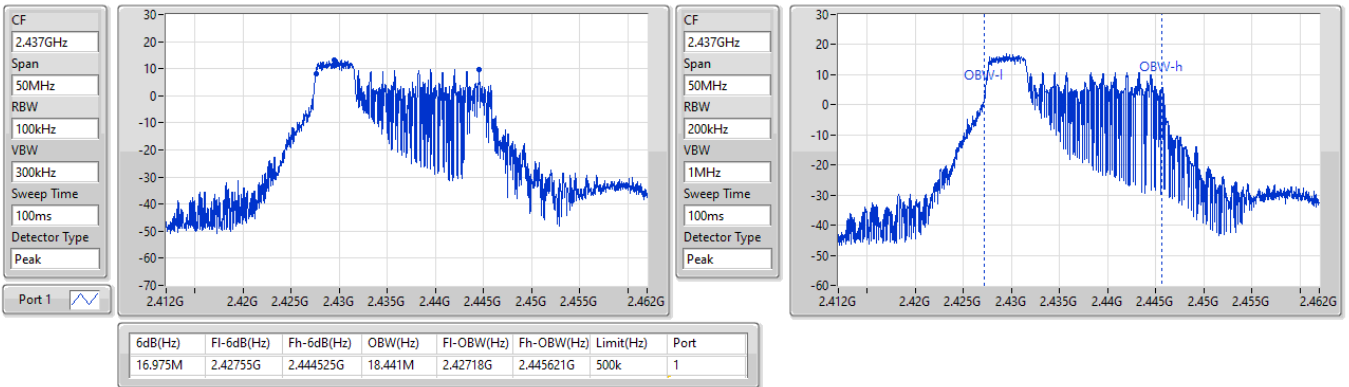


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port1)

EBW

2437MHz

09/03/2023

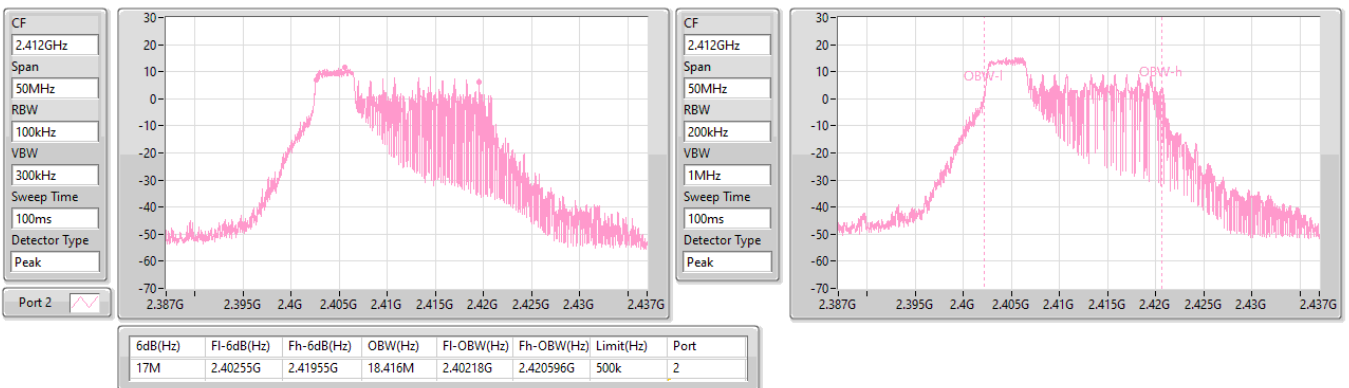


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port2)

EBW

2412MHz

09/03/2023

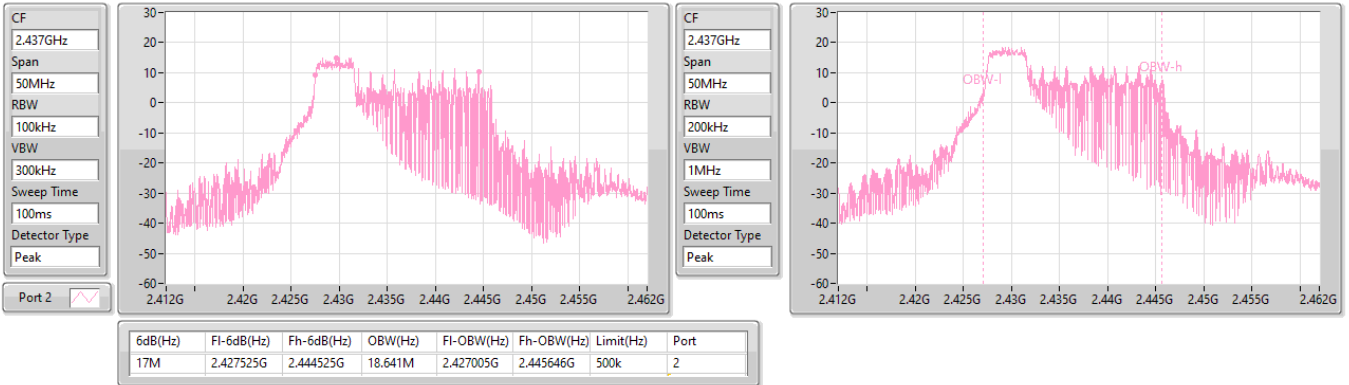


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port2)

EBW

2437MHz

09/03/2023

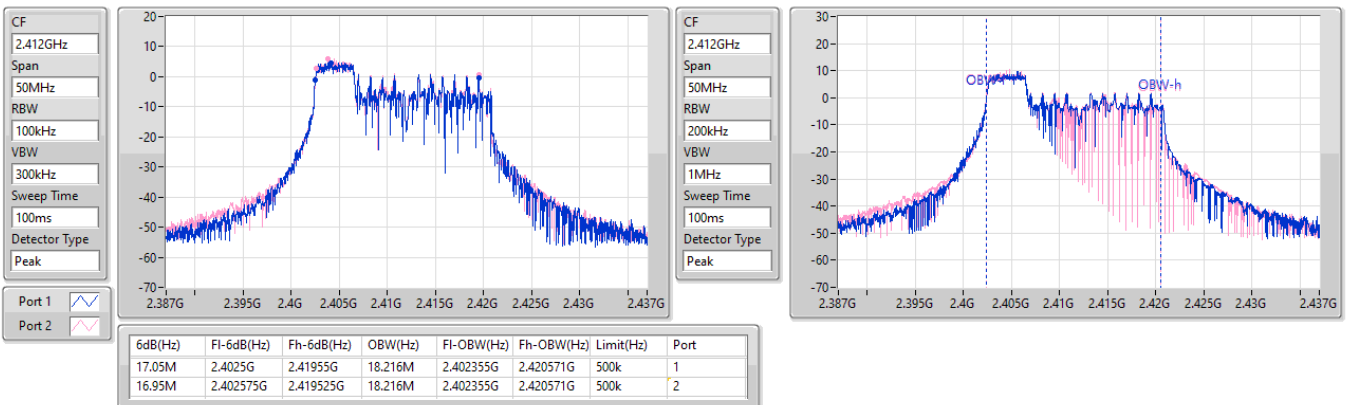


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

EBW

2412MHz

09/03/2023

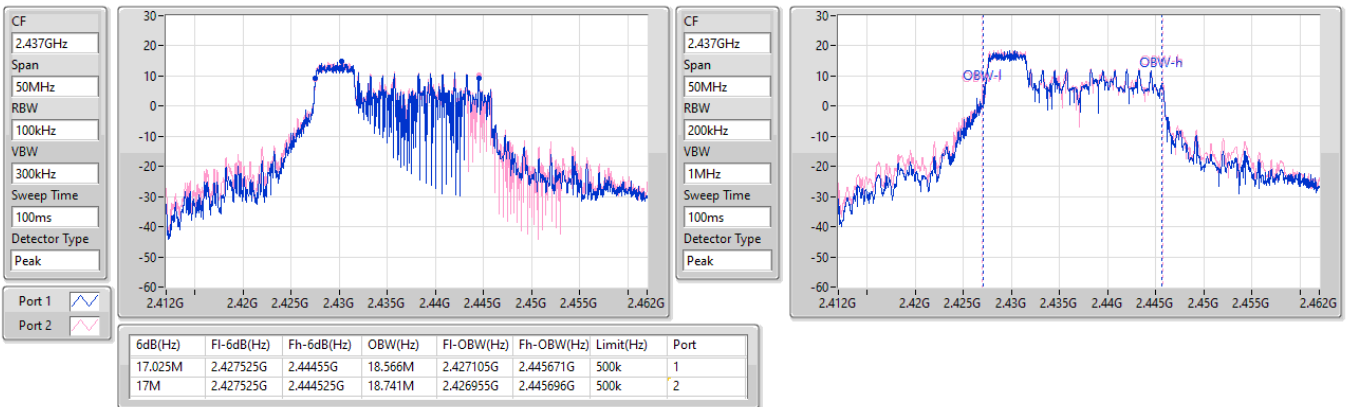


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX

EBW

2437MHz

09/03/2023

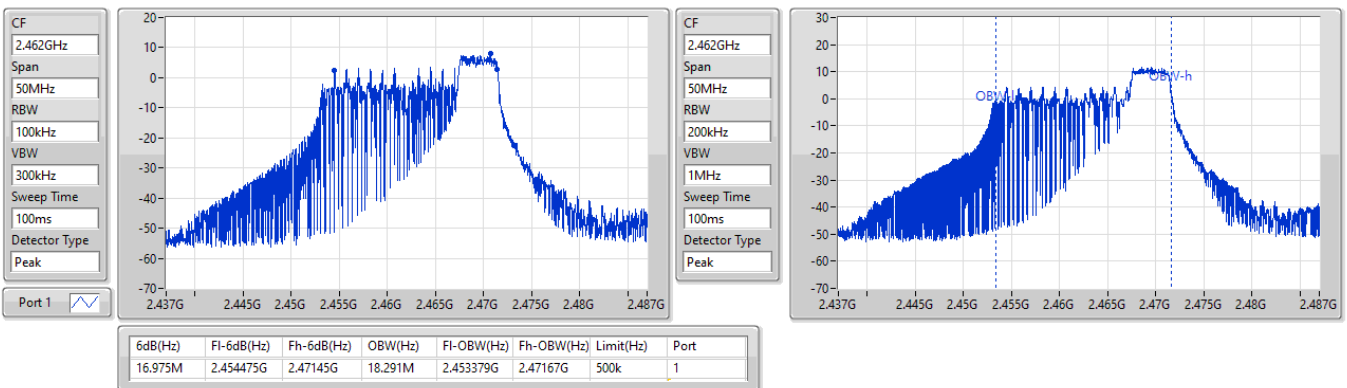


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)

EBW

2462MHz

09/03/2023

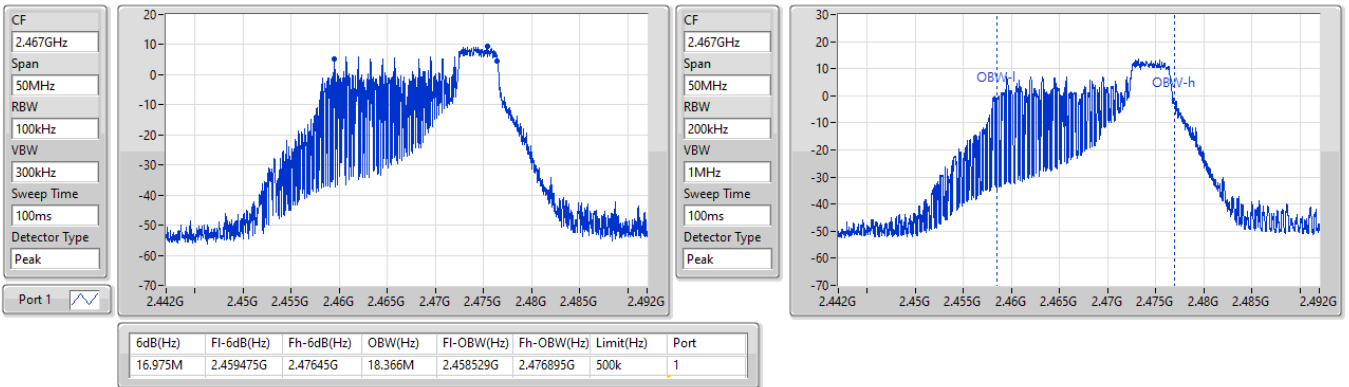


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)

EBW

2467MHz

09/03/2023

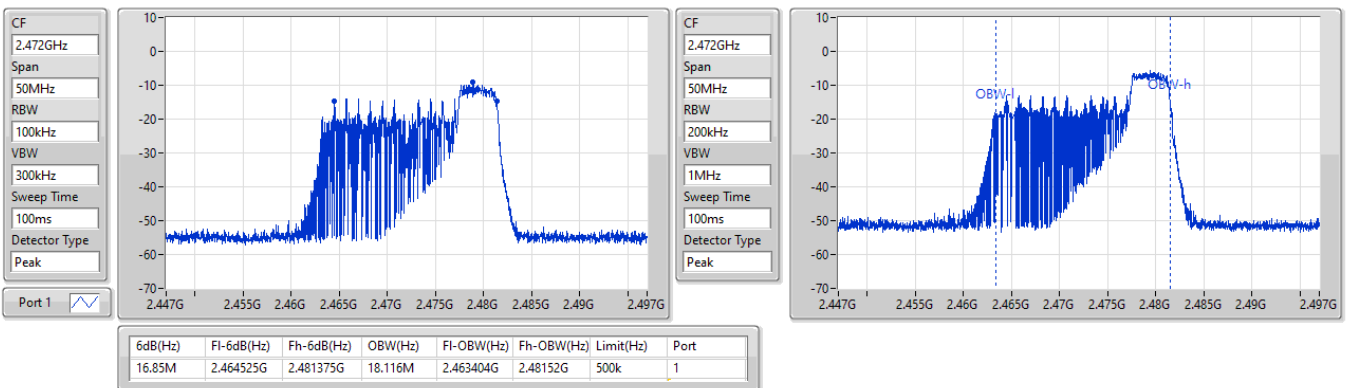


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)

EBW

2472MHz

09/03/2023

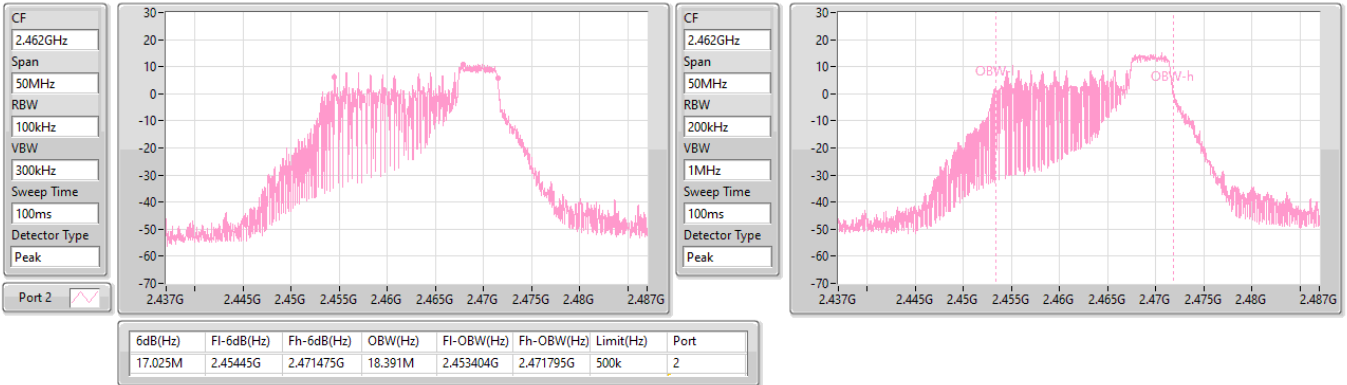


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)

EBW

2462MHz

09/03/2023

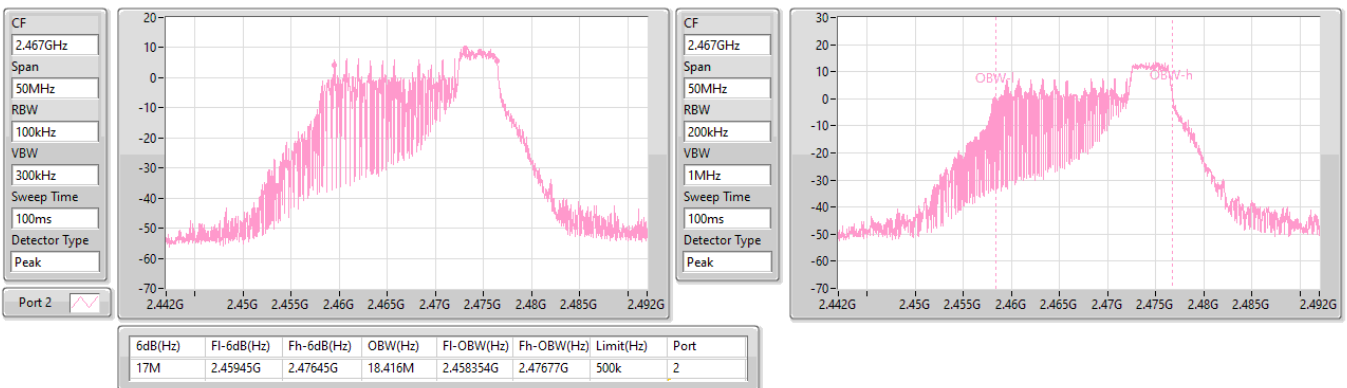


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)

EBW

2467MHz

09/03/2023

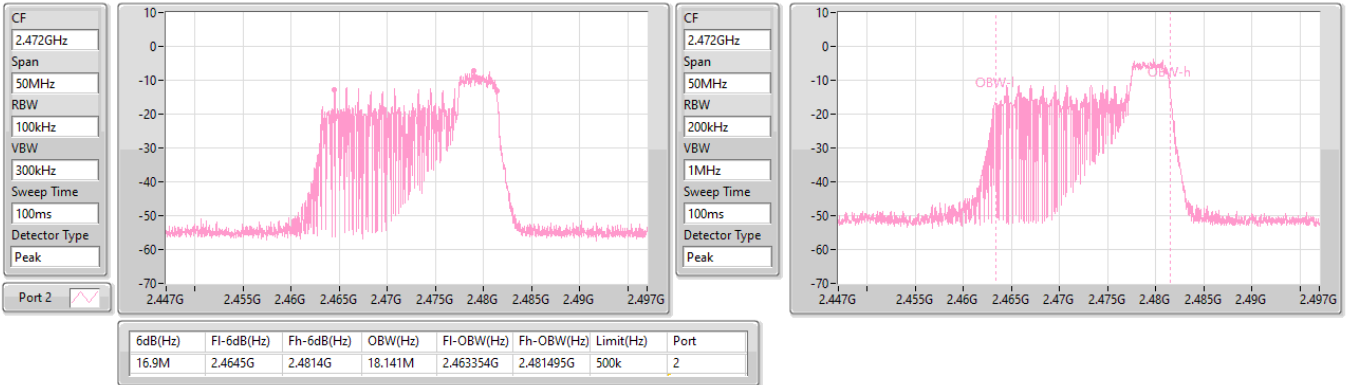


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)

EBW

2472MHz

09/03/2023

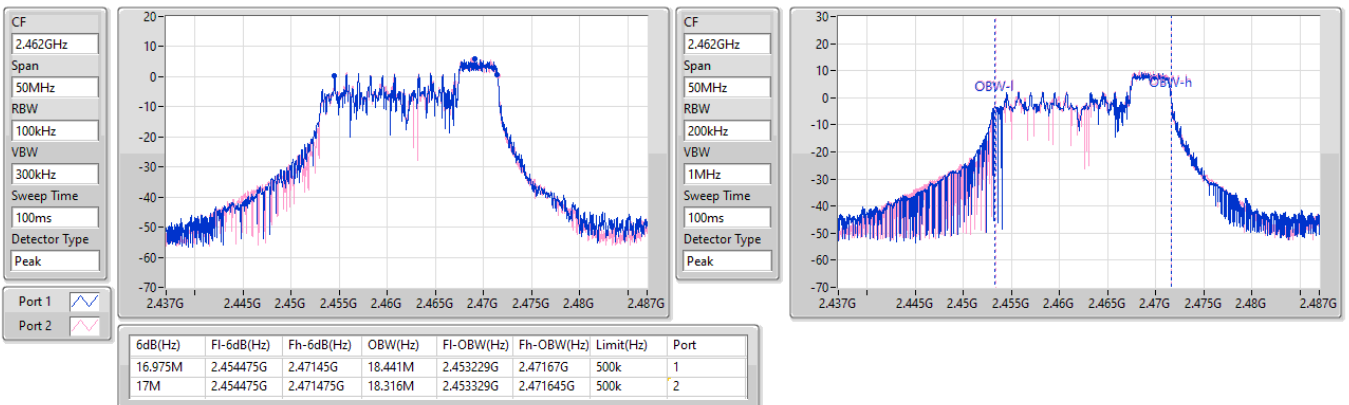


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX

EBW

2462MHz

10/03/2023

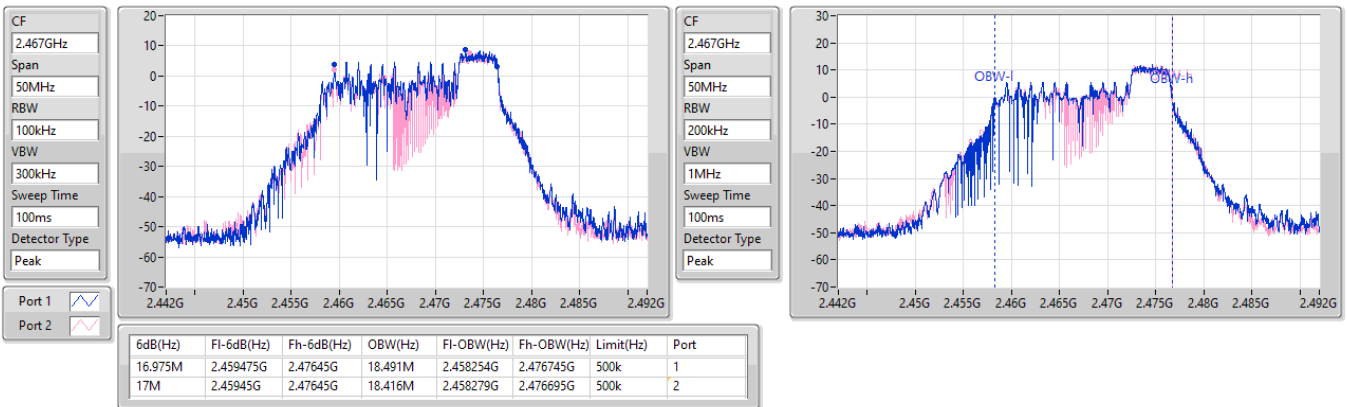


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX

EBW

2467MHz

10/03/2023

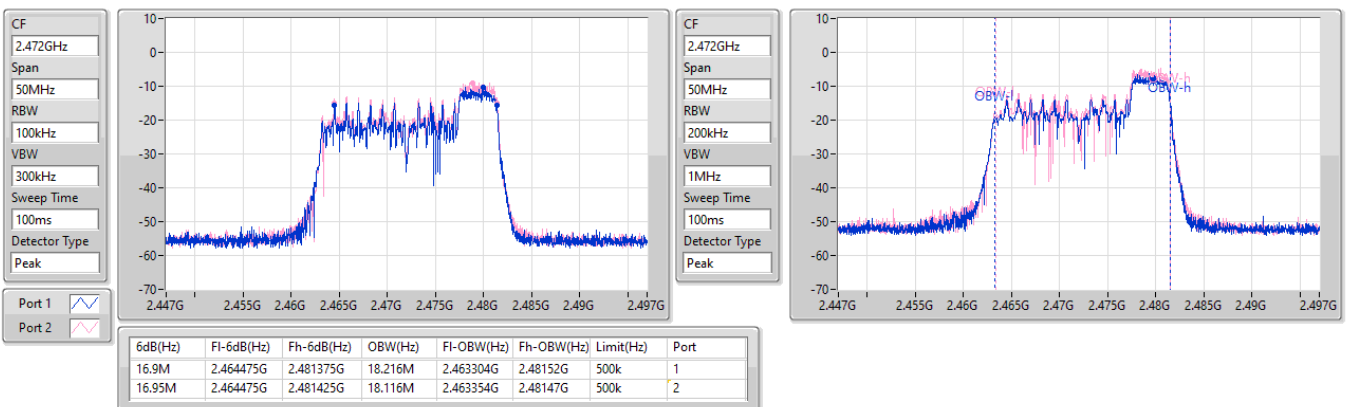


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX

EBW

2472MHz

10/03/2023

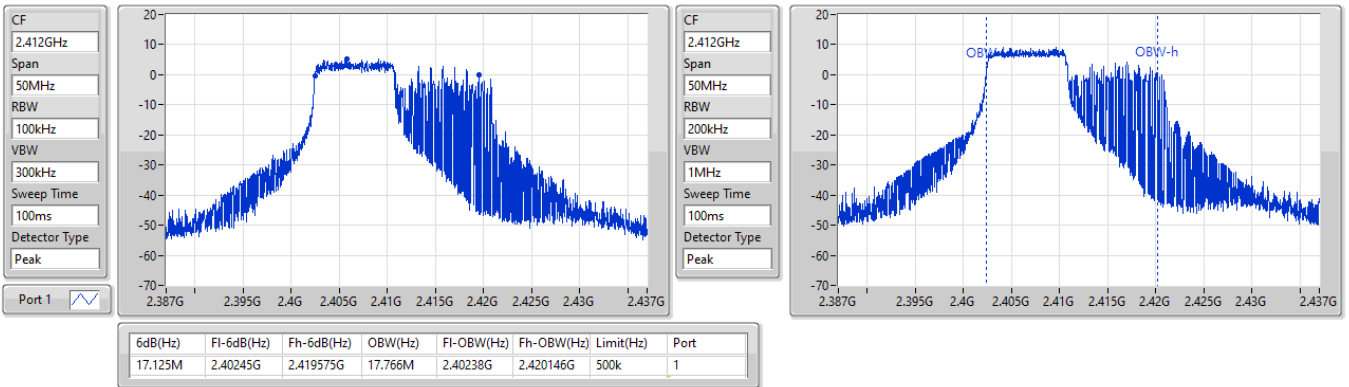


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port1)

EBW

2412MHz

10/03/2023

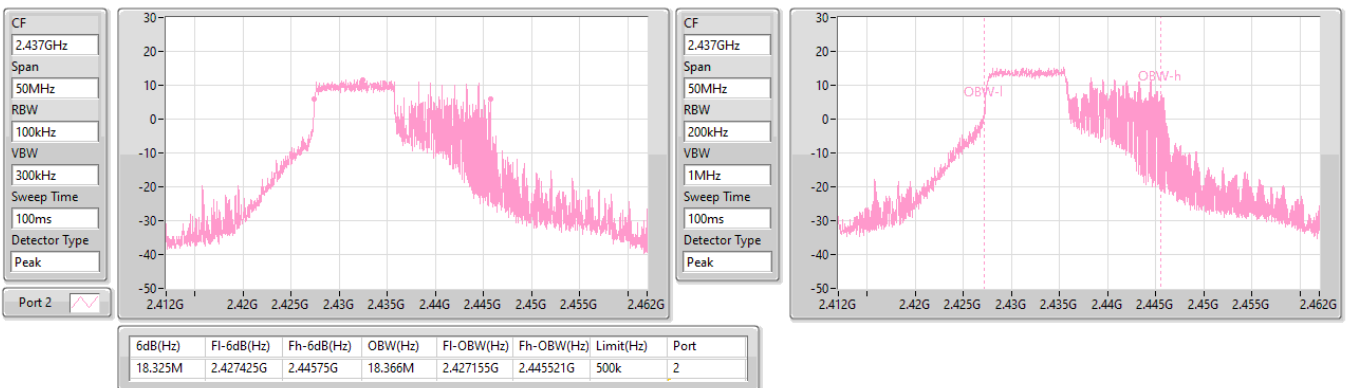


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)

EBW

2437MHz

09/03/2023

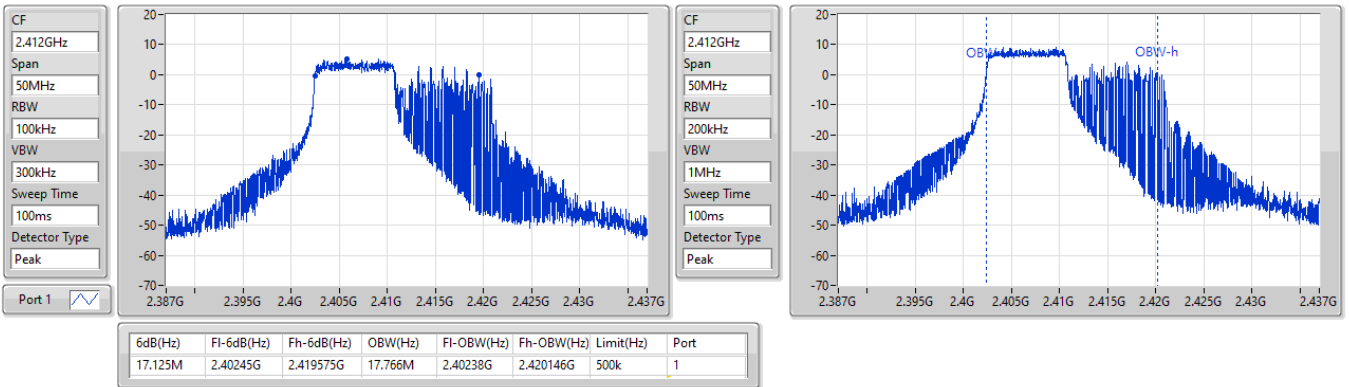


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EBW

2412MHz

10/03/2023

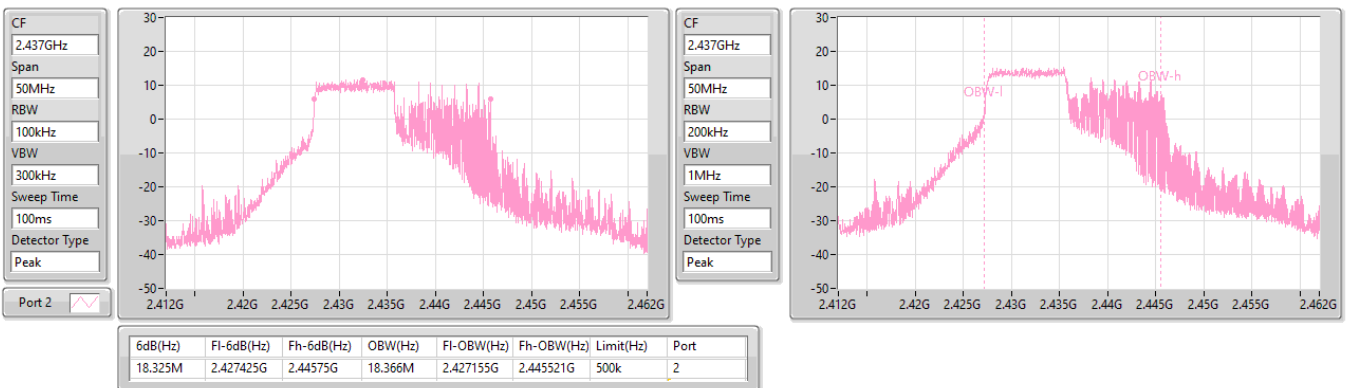


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)

EBW

2437MHz

09/03/2023

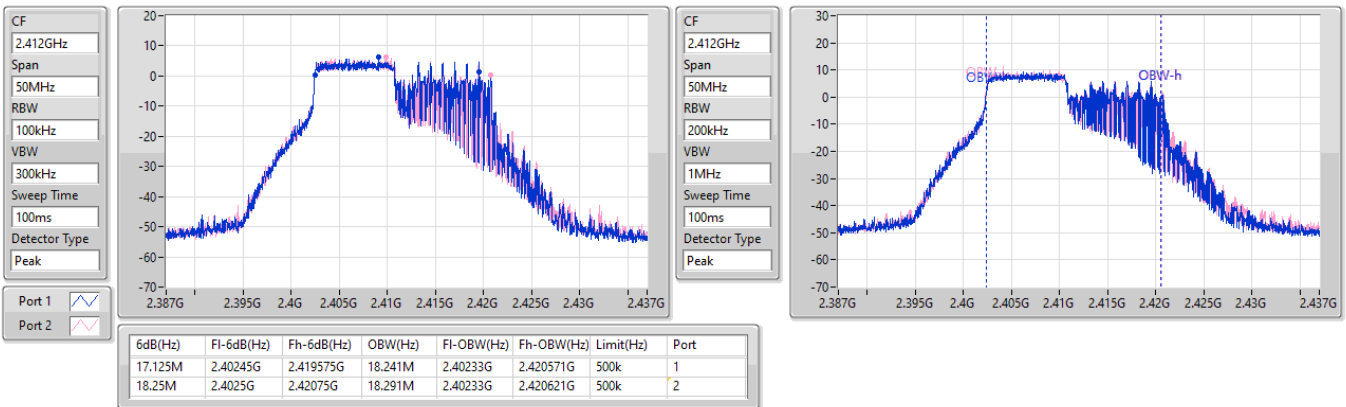


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

EBW

2412MHz

10/03/2023

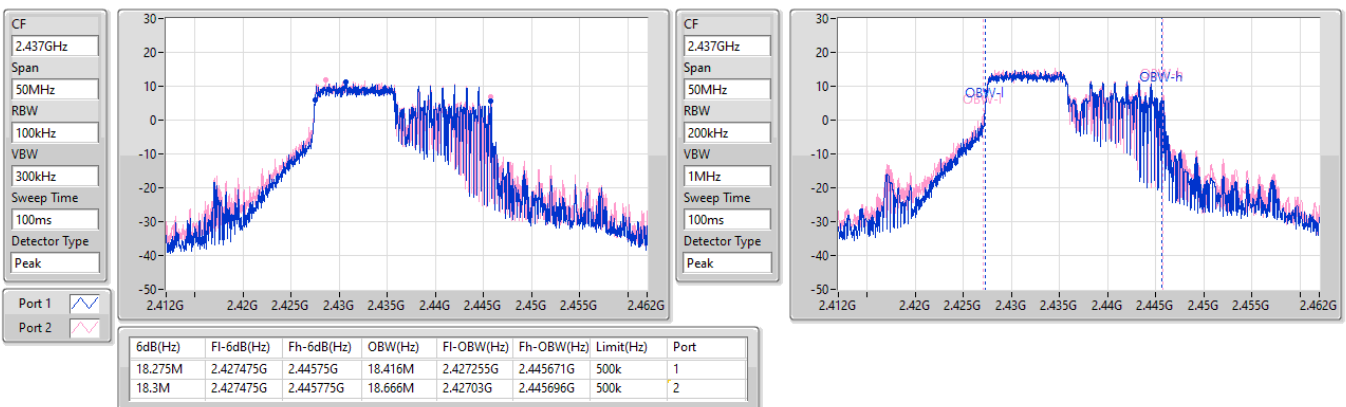


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX

EBW

2437MHz

10/03/2023

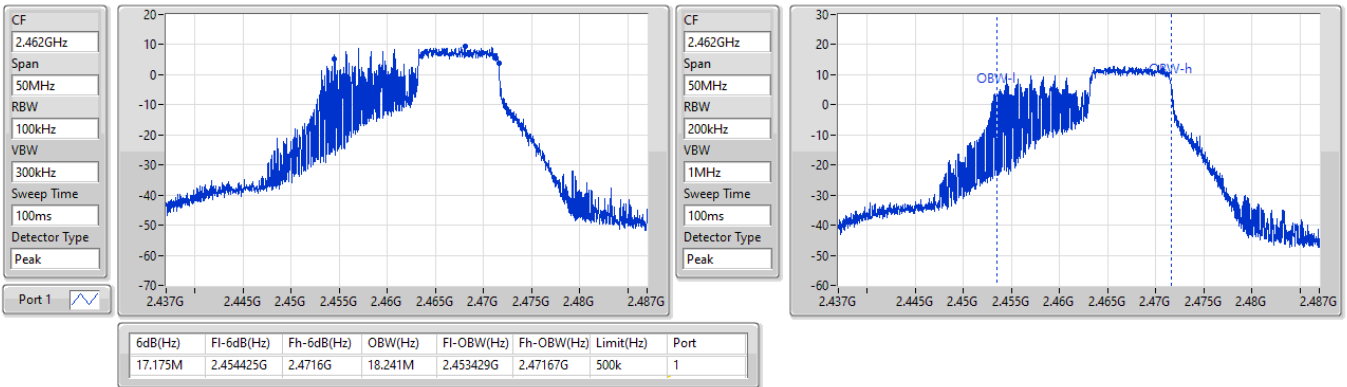


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)

EBW

2462MHz

09/03/2023

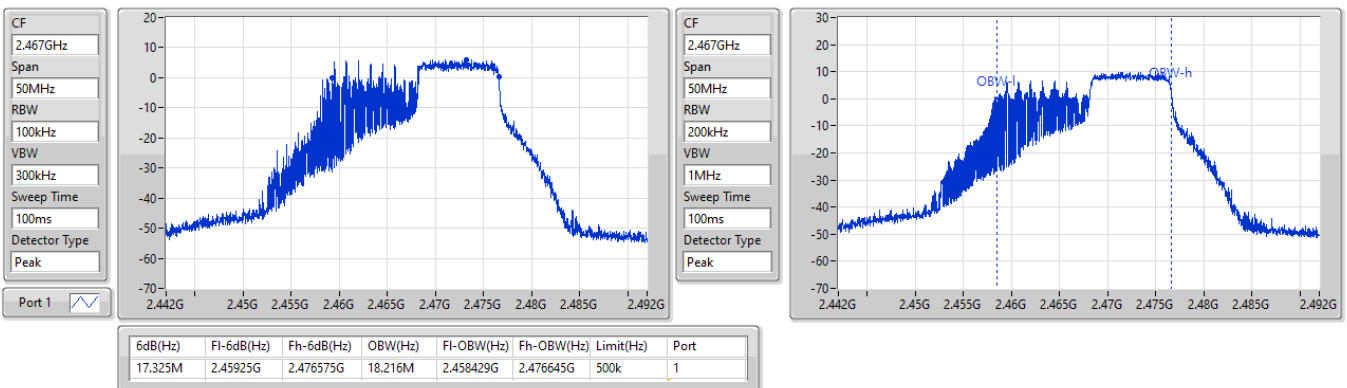


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)

EBW

2467MHz

09/03/2023

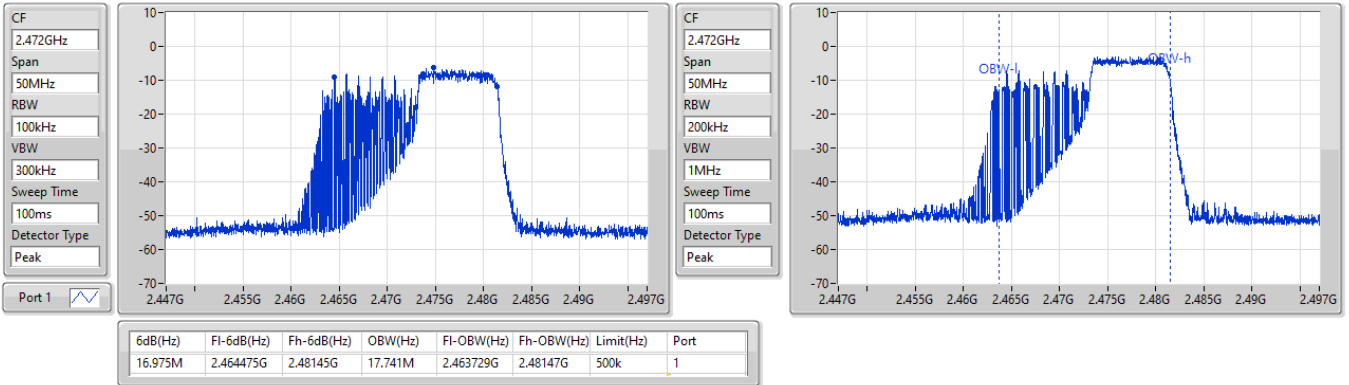


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)

EBW

2472MHz

09/03/2023

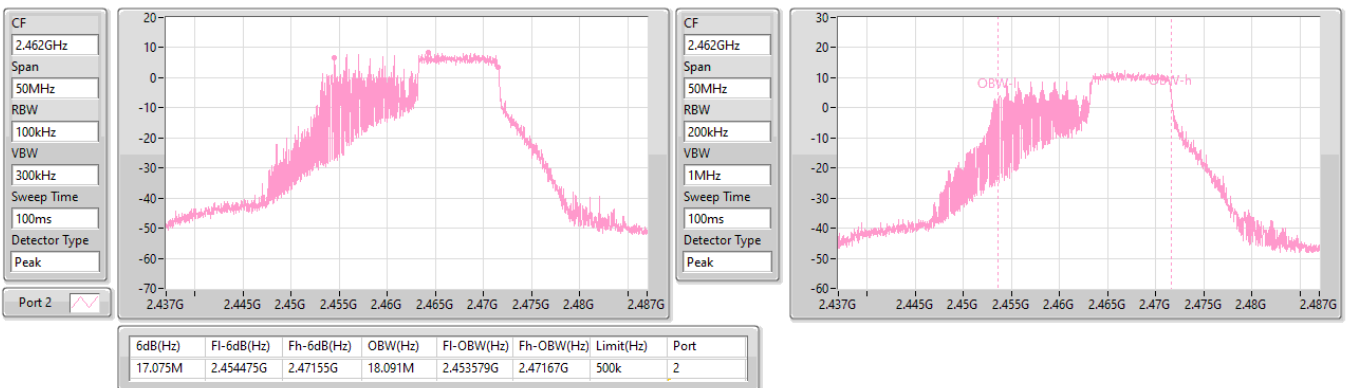


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)

EBW

2462MHz

09/03/2023

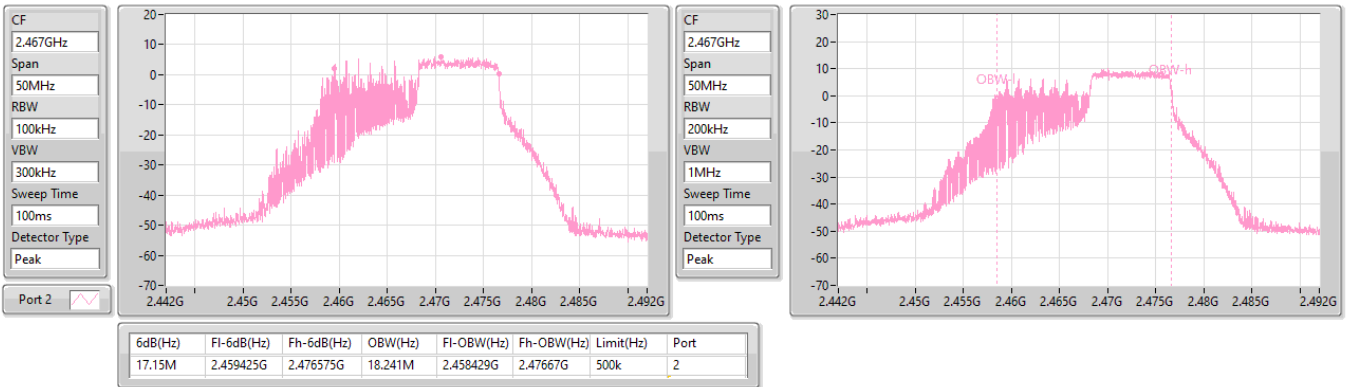


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)

EBW

2467MHz

09/03/2023

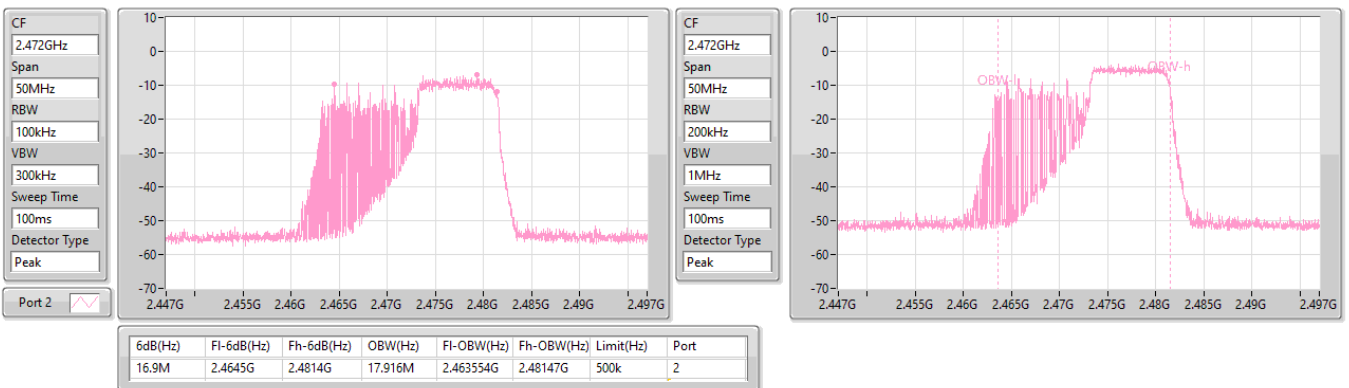


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)

EBW

2472MHz

09/03/2023

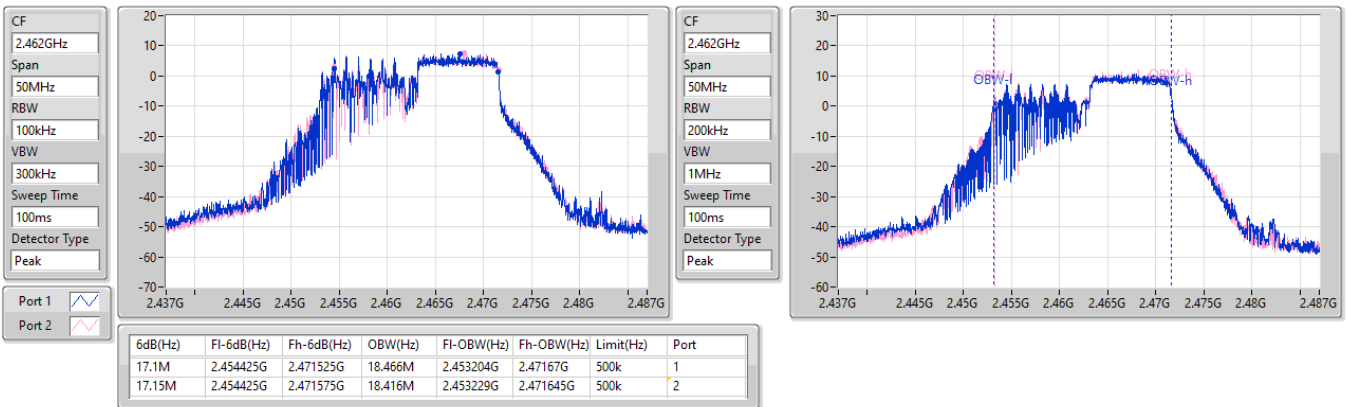


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX

EBW

2462MHz

10/03/2023

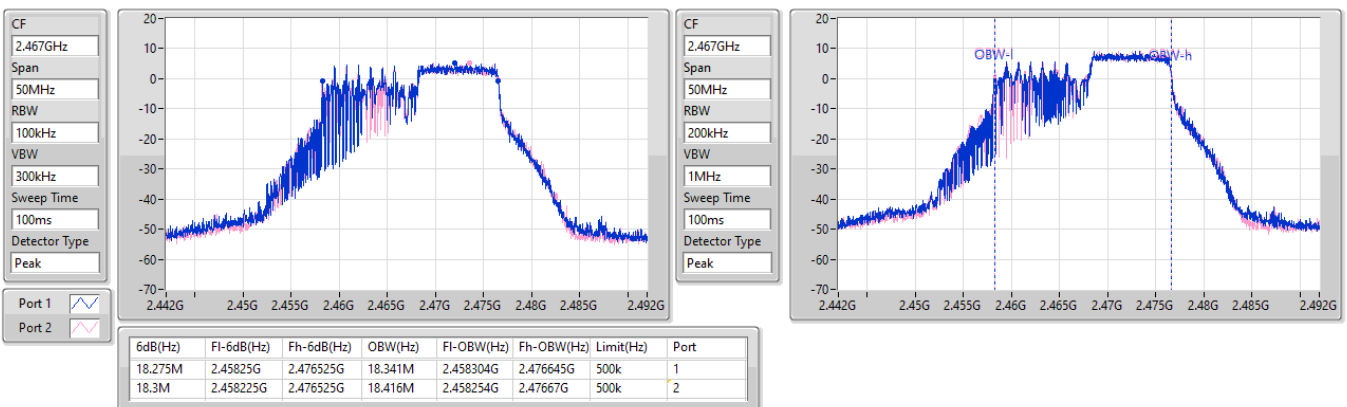


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX

EBW

2467MHz

10/03/2023

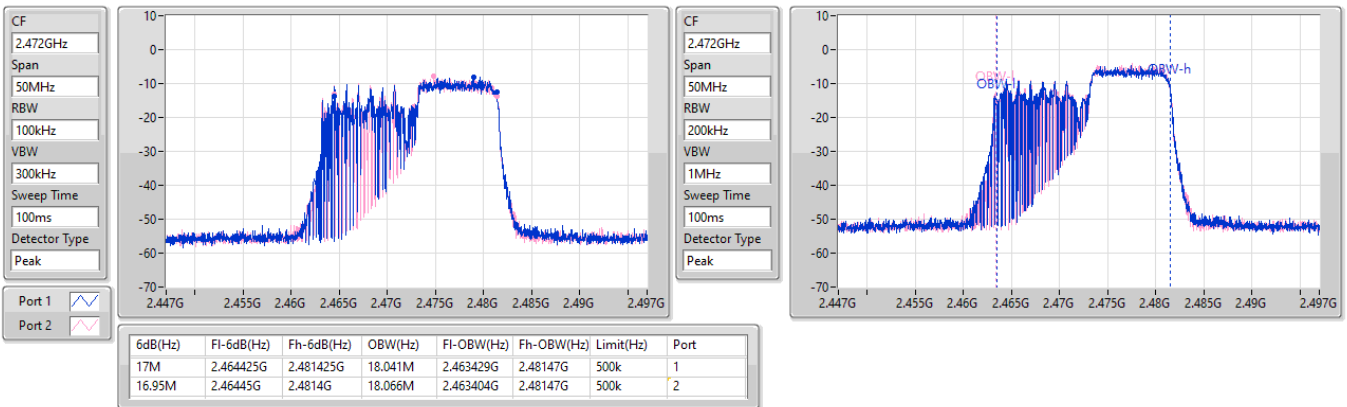


2.4-2.4835GHz_802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX

EBW

2472MHz

10/03/2023

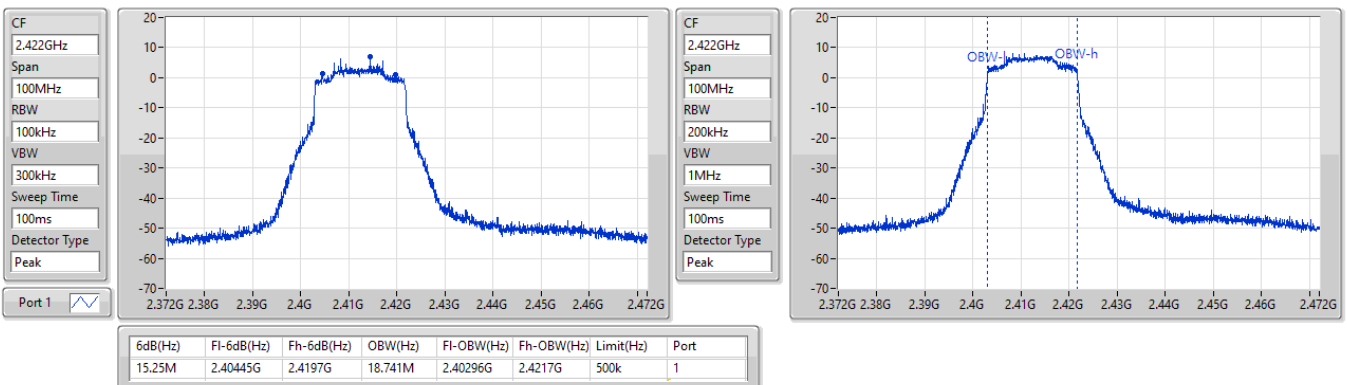


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port1)

EBW

2422MHz

09/03/2023

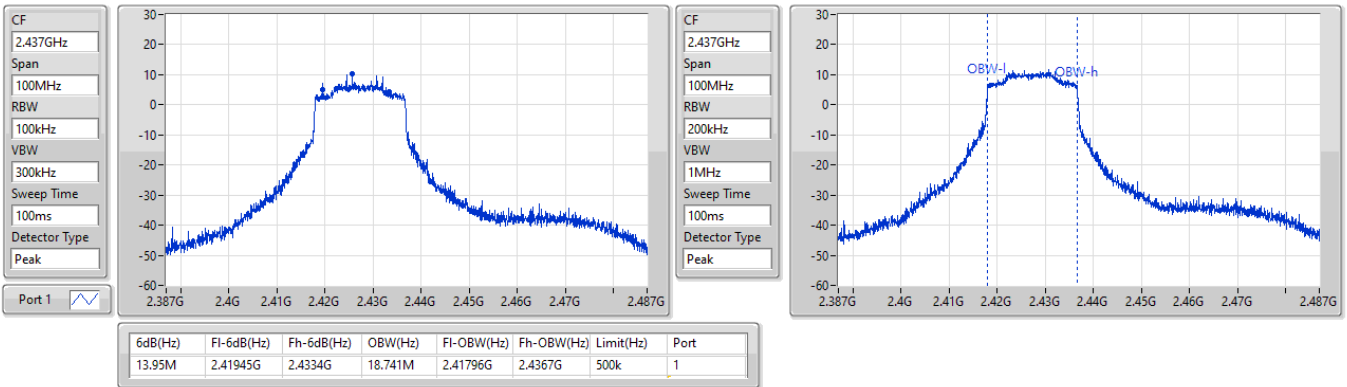


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port1)

EBW

2437MHz

09/03/2023

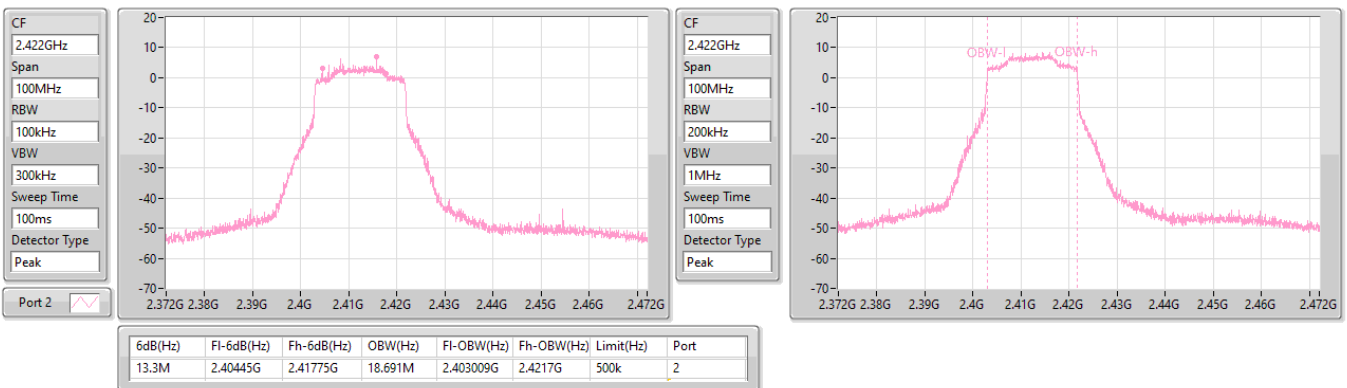


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port2)

EBW

2422MHz

09/03/2023

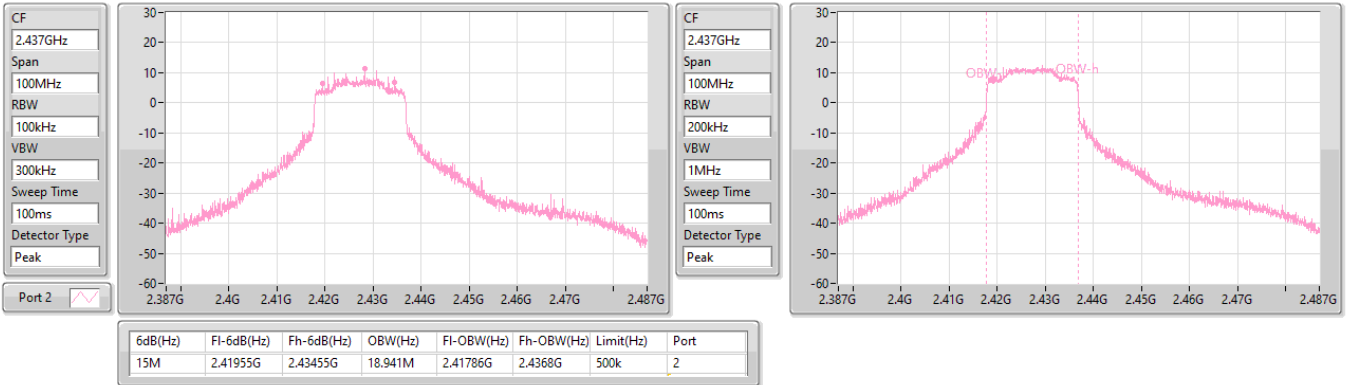


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port2)

EBW

2437MHz

09/03/2023

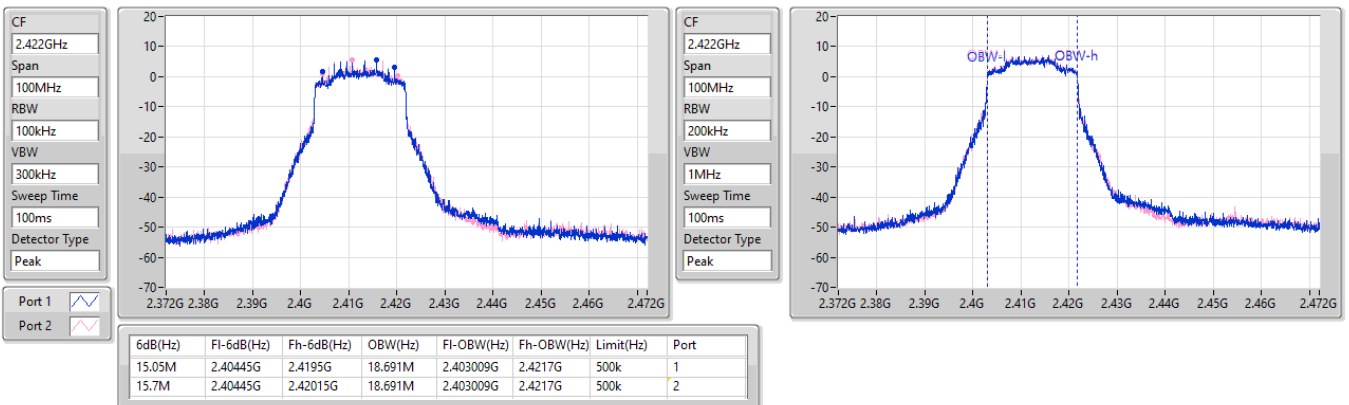


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_2TX

EBW

2422MHz

10/03/2023

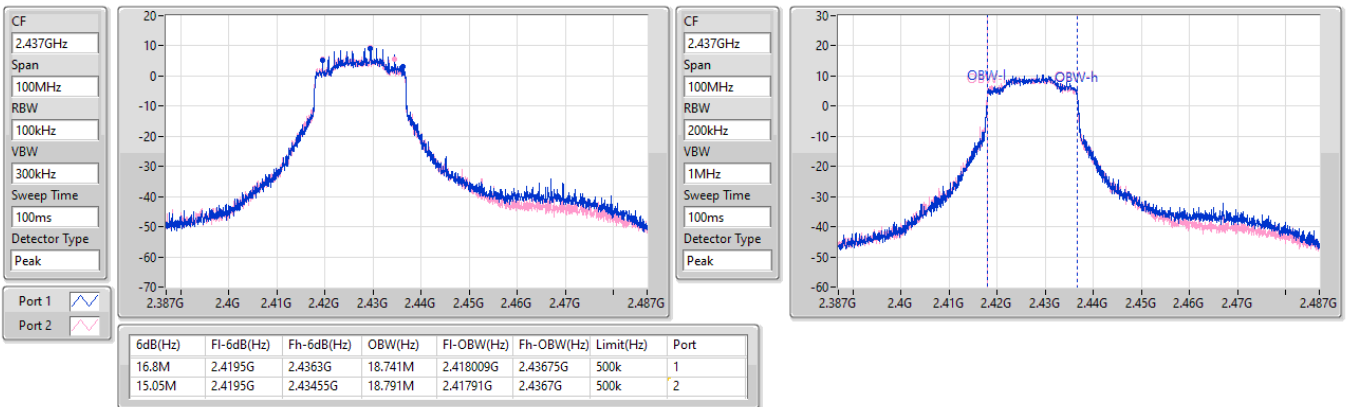


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_2TX

EBW

2437MHz

10/03/2023

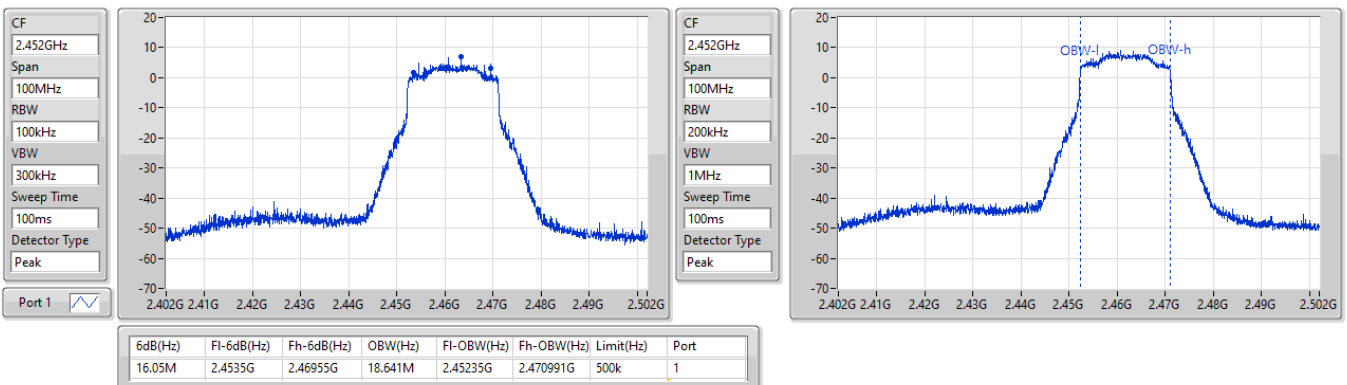


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)

EBW

2452MHz

09/03/2023

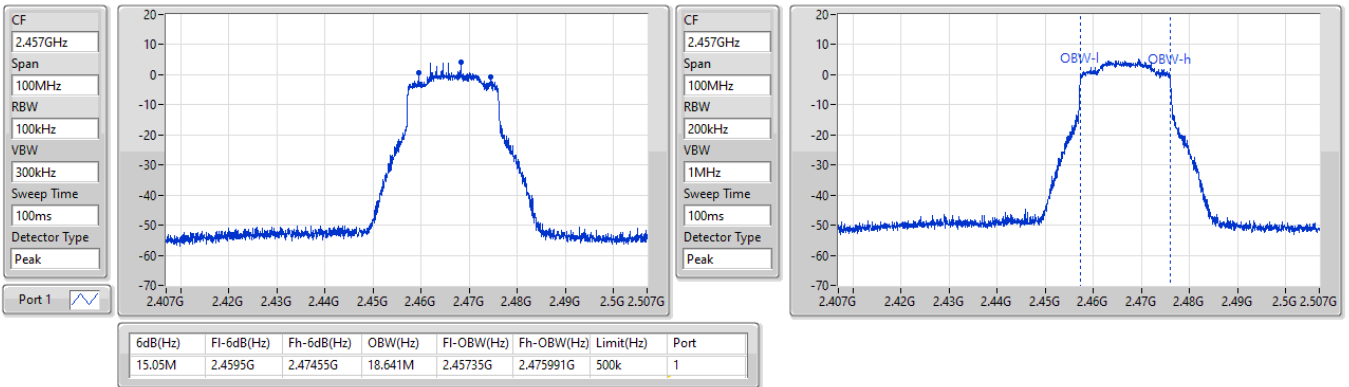


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)

EBW

2457MHz

09/03/2023

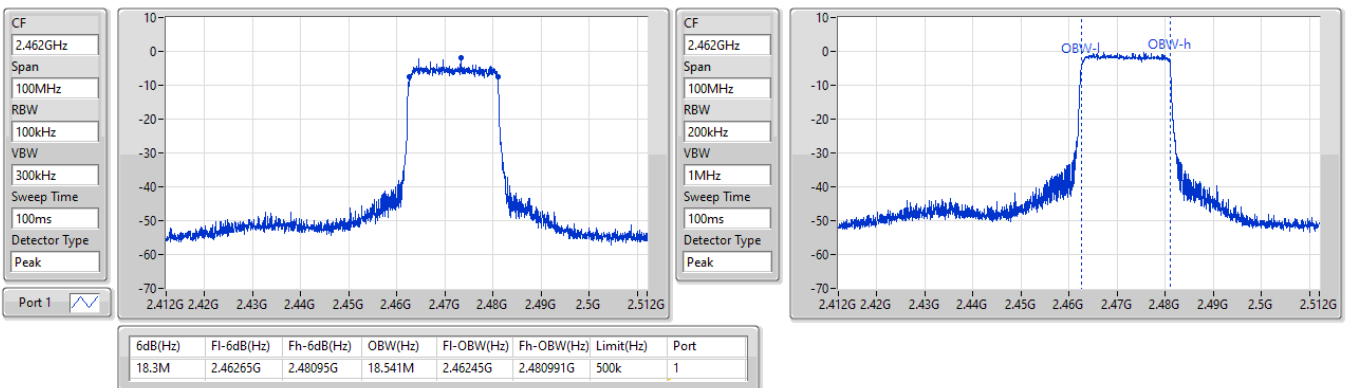


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)

EBW

2462MHz

09/03/2023

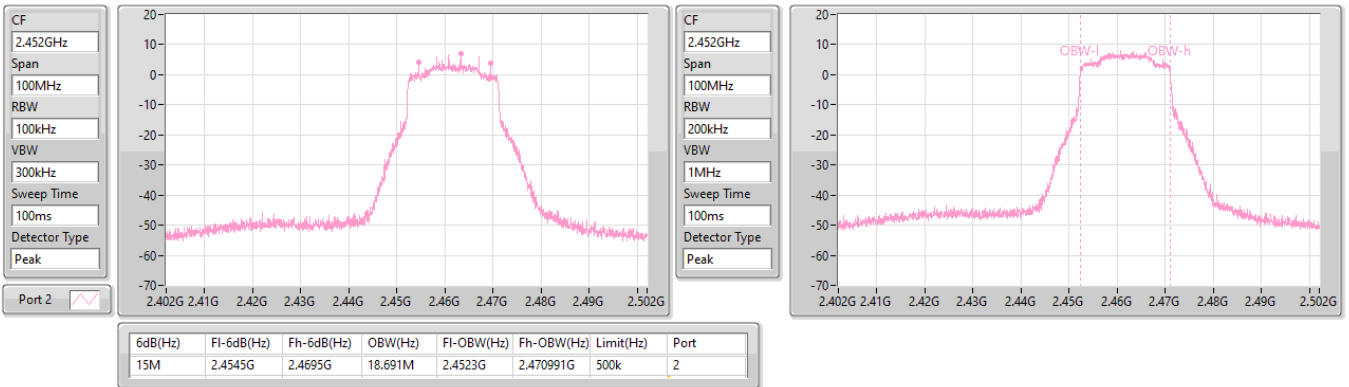


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)

EBW

2452MHz

09/03/2023

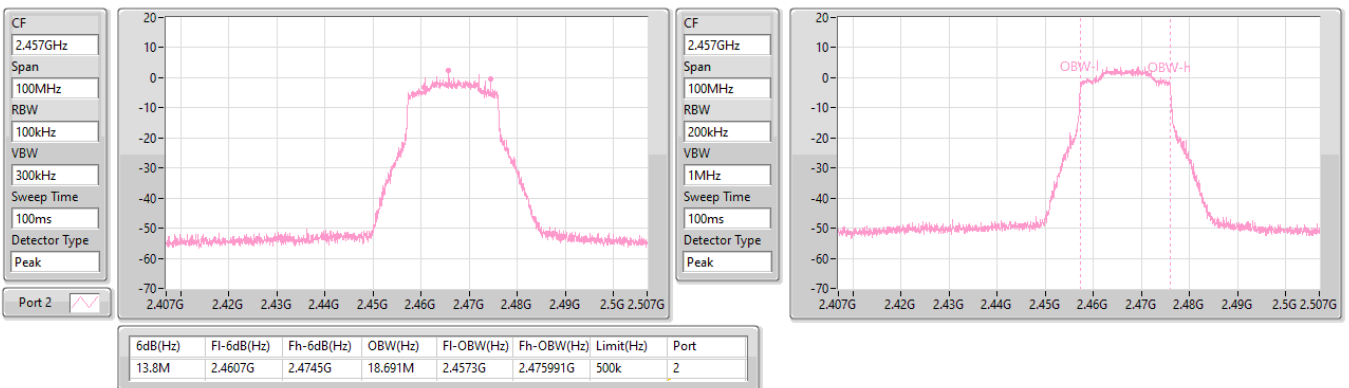


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)

EBW

2457MHz

09/03/2023

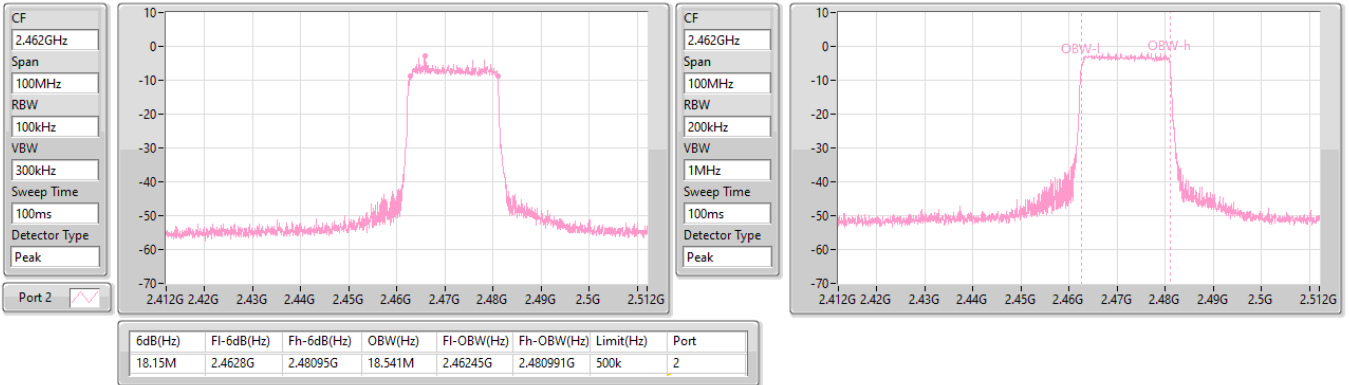


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)

EBW

2462MHz

09/03/2023

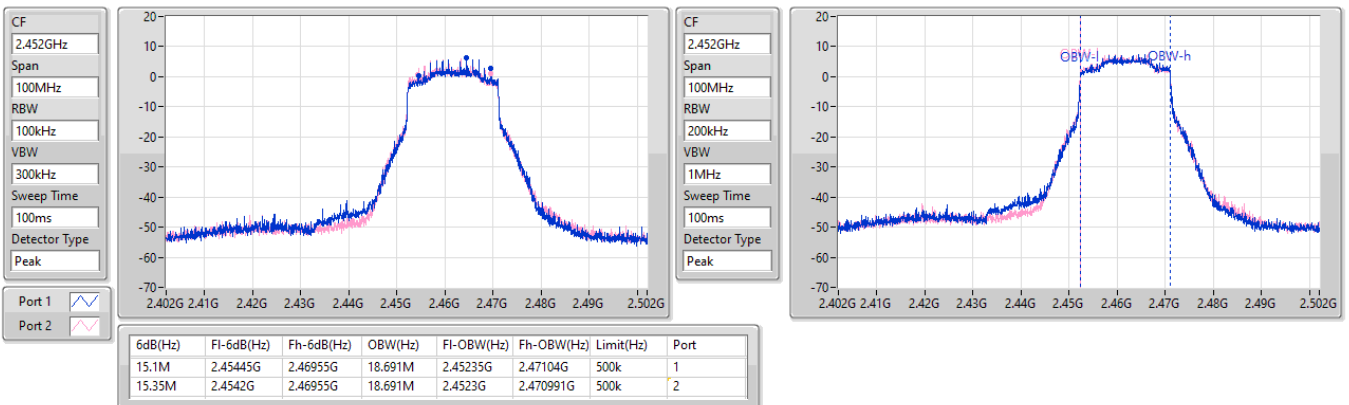


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX

EBW

2452MHz

10/03/2023

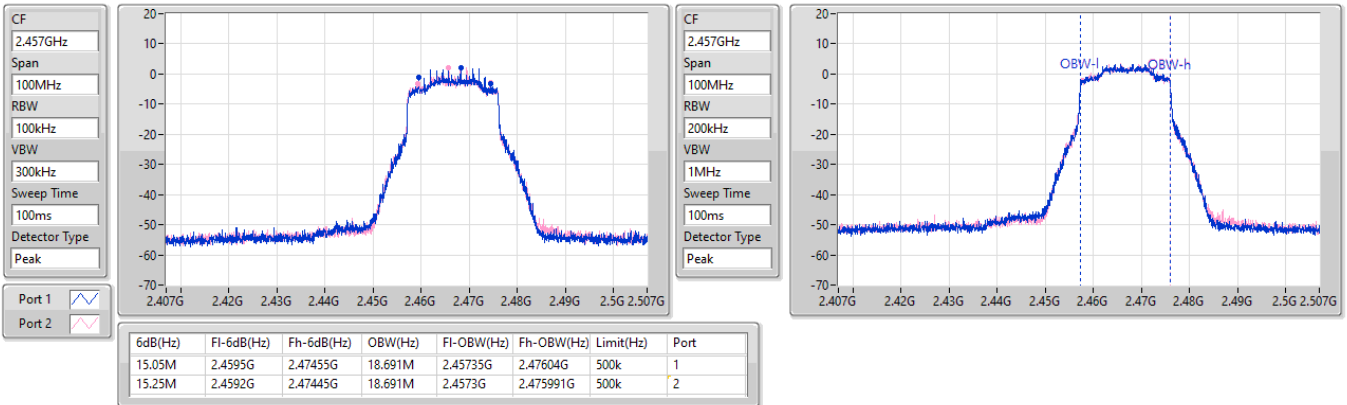


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX

EBW

2457MHz

10/03/2023

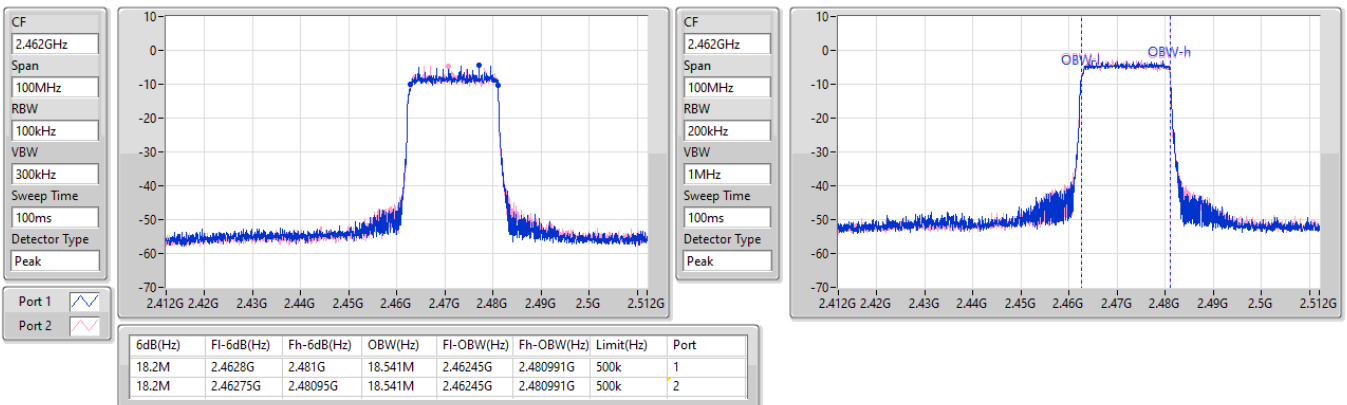


2.4-2.4835GHz_802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX

EBW

2462MHz

10/03/2023



Note: Trace mode Max Hold.



Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	20.40	0.10965
802.11b_Nss1,(1Mbps)_1TX(Port2)	20.18	0.10423
802.11g_Nss1,(6Mbps)_1TX(Port1)	18.94	0.07834
802.11g_Nss1,(6Mbps)_1TX(Port2)	18.81	0.07603
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	17.63	0.05794
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	17.70	0.05888
802.11n HT20_Nss1,(MCS8)_2TX	20.36	0.10864
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	15.53	0.03573
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	15.30	0.03388
802.11ax HEW20_Nss1,(MCS0)_2TX	19.54	0.08995
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	17.72	0.05916
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	17.78	0.05998
802.11n HT40_Nss1,(MCS8)_2TX	20.12	0.10280
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	17.03	0.05047
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	16.94	0.04943
802.11ax HEW40_Nss1,(MCS0)_2TX	19.52	0.08954



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	20.40		20.40	30.00
2417MHz	Pass	4.57	19.73		19.73	30.00
2437MHz	Pass	4.57	19.80		19.80	30.00
2457MHz	Pass	4.57	19.88		19.88	30.00
2462MHz	Pass	4.57	19.54		19.54	30.00
2467MHz	Pass	4.57	18.12		18.12	30.00
2472MHz	Pass	4.57	15.09		15.09	30.00
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	20.18	20.18	30.00
2417MHz	Pass	4.77	-	19.97	19.97	30.00
2437MHz	Pass	4.77	-	19.78	19.78	30.00
2457MHz	Pass	4.77	-	19.85	19.85	30.00
2462MHz	Pass	4.77	-	18.85	18.85	30.00
2467MHz	Pass	4.77	-	18.24	18.24	30.00
2472MHz	Pass	4.77	-	14.03	14.03	30.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	16.57		16.57	30.00
2417MHz	Pass	4.57	18.80		18.80	30.00
2437MHz	Pass	4.57	18.94		18.94	30.00
2457MHz	Pass	4.57	18.10		18.10	30.00
2462MHz	Pass	4.57	16.10		16.10	30.00
2467MHz	Pass	4.57	11.75		11.75	30.00
2472MHz	Pass	4.57	9.55		9.55	30.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	16.20	16.20	30.00
2417MHz	Pass	4.77	-	18.43	18.43	30.00
2437MHz	Pass	4.77	-	18.81	18.81	30.00
2457MHz	Pass	4.77	-	18.05	18.05	30.00
2462MHz	Pass	4.77	-	16.77	16.77	30.00
2467MHz	Pass	4.77	-	13.04	13.04	30.00
2472MHz	Pass	4.77	-	11.21	11.21	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	15.52		15.52	30.00
2417MHz	Pass	4.57	17.15		17.15	30.00
2437MHz	Pass	4.57	17.63		17.63	30.00
2457MHz	Pass	4.57	16.83		16.83	30.00
2462MHz	Pass	4.57	15.29		15.29	30.00
2467MHz	Pass	4.57	11.88		11.88	30.00
2472MHz	Pass	4.57	7.02		7.02	30.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	15.07	15.07	30.00
2417MHz	Pass	4.77	-	16.75	16.75	30.00
2437MHz	Pass	4.77	-	17.70	17.70	30.00
2457MHz	Pass	4.77	-	16.56	16.56	30.00
2462MHz	Pass	4.77	-	14.78	14.78	30.00
2467MHz	Pass	4.77	-	10.21	10.21	30.00
2472MHz	Pass	4.77	-	9.23	9.23	30.00
802.11n HT20_Nss1,(MCS8)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.77	15.20	15.05	18.14	30.00
2417MHz	Pass	4.77	17.27	17.42	20.36	30.00
2437MHz	Pass	4.77	17.47	17.22	20.36	30.00
2457MHz	Pass	4.77	16.88	16.72	19.81	30.00
2462MHz	Pass	4.77	15.28	15.01	18.16	30.00
2467MHz	Pass	4.77	10.57	10.50	13.55	30.00



Average Power_Full RU

Appendix C.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2472MHz	Pass	4.77	7.29	7.10	10.21	30.00
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	4.57	15.72		15.72	30.00
2427MHz	Pass	4.57	17.56		17.56	30.00
2437MHz	Pass	4.57	17.72		17.72	30.00
2447MHz	Pass	4.57	17.69		17.69	30.00
2452MHz	Pass	4.57	15.78		15.78	30.00
2457MHz	Pass	4.57	12.13		12.13	30.00
2462MHz	Pass	4.57	9.97		9.97	30.00
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	4.77	-	15.93	15.93	30.00
2427MHz	Pass	4.77	-	17.78	17.78	30.00
2437MHz	Pass	4.77	-	17.47	17.47	30.00
2447MHz	Pass	4.77	-	17.39	17.39	30.00
2452MHz	Pass	4.77	-	14.99	14.99	30.00
2457MHz	Pass	4.77	-	10.80	10.80	30.00
2462MHz	Pass	4.77	-	10.41	10.41	30.00
802.11n HT40_Nss1,(MCS8)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.57	14.58	15.14	17.88	30.00
2427MHz	Pass	4.57	16.67	17.02	19.86	30.00
2437MHz	Pass	4.57	17.21	17.01	20.12	30.00
2447MHz	Pass	4.57	16.84	16.91	19.89	30.00
2452MHz	Pass	4.57	15.82	15.49	18.67	30.00
2457MHz	Pass	4.57	9.80	9.83	12.83	30.00
2462MHz	Pass	4.57	7.36	7.28	10.33	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	14.78		14.78	30.00
2417MHz	Pass	4.57	15.53		15.53	30.00
2437MHz	Pass	4.57	15.22		15.22	30.00
2457MHz	Pass	4.57	15.29		15.29	30.00
2462MHz	Pass	4.57	14.30		14.30	30.00
2467MHz	Pass	4.57	11.56		11.56	30.00
2472MHz	Pass	4.57	3.27		3.27	30.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	14.90	14.90	30.00
2417MHz	Pass	4.77	-	15.30	15.30	30.00
2437MHz	Pass	4.77	-	15.14	15.14	30.00
2457MHz	Pass	4.77	-	15.14	15.14	30.00
2462MHz	Pass	4.77	-	13.94	13.94	30.00
2467MHz	Pass	4.77	-	12.39	12.39	30.00
2472MHz	Pass	4.77	-	5.27	5.27	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.77	15.31	15.11	18.22	30.00
2417MHz	Pass	4.77	16.39	16.55	19.48	30.00
2437MHz	Pass	4.77	16.63	16.42	19.54	30.00
2457MHz	Pass	4.77	16.36	16.39	19.39	30.00
2462MHz	Pass	4.77	15.25	14.98	18.13	30.00
2467MHz	Pass	4.77	11.73	11.47	14.61	30.00
2472MHz	Pass	4.77	4.48	4.19	7.35	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	4.57	15.47		15.47	30.00
2427MHz	Pass	4.57	17.03		17.03	30.00
2437MHz	Pass	4.57	16.96		16.96	30.00
2447MHz	Pass	4.57	16.88		16.88	30.00
2452MHz	Pass	4.57	15.57		15.57	30.00
2457MHz	Pass	4.57	11.34		11.34	30.00



Average Power_Full RU

Appendix C.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2462MHz	Pass	4.57	7.51		7.51	30.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	4.77	-	15.32	15.32	30.00
2427MHz	Pass	4.77	-	16.94	16.94	30.00
2437MHz	Pass	4.77	-	16.84	16.84	30.00
2447MHz	Pass	4.77	-	16.87	16.87	30.00
2452MHz	Pass	4.77	-	13.55	13.55	30.00
2457MHz	Pass	4.77	-	8.90	8.90	30.00
2462MHz	Pass	4.77	-	6.34	6.34	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.77	13.97	14.16	17.08	30.00
2427MHz	Pass	4.77	16.56	16.46	19.52	30.00
2437MHz	Pass	4.77	16.51	16.41	19.47	30.00
2447MHz	Pass	4.77	16.42	16.44	19.44	30.00
2452MHz	Pass	4.77	13.47	13.58	16.54	30.00
2457MHz	Pass	4.77	9.19	8.89	12.05	30.00
2462MHz	Pass	4.77	6.66	6.59	9.64	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_Nss1,(MCS0),RU 26,#RU 0_1TX(Port1)	19.74	0.09419
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port2)	21.08	0.12823
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port1)	18.41	0.06934
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port2)	17.94	0.06223
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port1)	20.00	0.10000
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port2)	21.53	0.14223
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)	16.51	0.04477
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)	18.28	0.06730
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port1)	19.89	0.09750
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)	21.48	0.14060
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)	19.17	0.08260
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)	18.24	0.06668
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	24.43	0.27733
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	20.02	0.10046
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	24.56	0.28576
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	18.71	0.07430
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	24.41	0.27606
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	20.68	0.11695
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port1)	20.24	0.10568
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port2)	21.09	0.12853
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)	17.67	0.05848
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)	16.85	0.04842
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_2TX	22.50	0.17783
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX	19.60	0.09120



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	19.14		19.14	30.00
2437MHz	Pass	4.57	19.74		19.74	30.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	17.95	17.95	30.00
2437MHz	Pass	4.77	-	21.08	21.08	30.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 0_2TX	-	-	-	-	-	-
2412MHz	Pass	4.77	18.48	18.85	21.68	30.00
2417MHz	Pass	4.77	21.22	21.42	24.33	30.00
2437MHz	Pass	4.77	21.15	21.67	24.43	30.00
2462MHz	Pass	4.77	-1.14	0.58	2.81	30.00
2467MHz	Pass	4.77	-1.28	0.6	2.77	30.00
2472MHz	Pass	4.77	-1.74	0.02	2.24	30.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port1)	-	-	-	-	-	-
2462MHz	Pass	4.57	18.41		18.41	30.00
2467MHz	Pass	4.57	16.66		16.66	30.00
2472MHz	Pass	4.57	-2.95		-2.95	30.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_1TX(Port2)	-	-	-	-	-	-
2462MHz	Pass	4.77	-	17.94	17.94	30.00
2467MHz	Pass	4.77	-	16.48	16.48	30.00
2472MHz	Pass	4.77	-	-3.3	-3.30	30.00
802.11ax HEW20_Nss1,(MCS0),RU 26,#RU 8_2TX	-	-	-	-	-	-
2462MHz	Pass	4.77	16.89	17.12	20.02	30.00
2467MHz	Pass	4.77	16.12	16.1	19.12	30.00
2472MHz	Pass	4.77	-4.67	-2.86	-0.66	30.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	19.78		19.78	30.00
2437MHz	Pass	4.57	20		20.00	30.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	18.47	18.47	30.00
2437MHz	Pass	4.77	-	21.53	21.53	30.00
2462MHz	Pass	4.77	-	0.8	0.80	30.00
2467MHz	Pass	4.77	-	0.73	0.73	30.00
2472MHz	Pass	4.77	-	0.44	0.44	30.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 37_2TX	-	-	-	-	-	-
2412MHz	Pass	4.77	12.31	12.59	15.46	30.00
2437MHz	Pass	4.77	21.33	21.76	24.56	30.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port1)	-	-	-	-	-	-
2462MHz	Pass	4.57	14.95		14.95	30.00
2467MHz	Pass	4.57	16.51		16.51	30.00
2472MHz	Pass	4.57	-3.43		-3.43	30.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_1TX(Port2)	-	-	-	-	-	-
2462MHz	Pass	4.77	-	18.28	18.28	30.00
2467MHz	Pass	4.77	-	16.86	16.86	30.00
2472MHz	Pass	4.77	-	-1.18	-1.18	30.00
802.11ax HEW20_Nss1,(MCS0),RU 52,#RU 40_2TX	-	-	-	-	-	-
2462MHz	Pass	4.77	13.19	13.38	16.30	30.00
2467MHz	Pass	4.77	15.8	15.59	18.71	30.00
2472MHz	Pass	4.77	-3.14	-1.35	0.86	30.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	19.85		19.85	30.00
2437MHz	Pass	4.57	19.89		19.89	30.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	17.98	17.98	30.00
2437MHz	Pass	4.77	-	21.48	21.48	30.00



Average Power_Partial RU

Appendix C.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 53_2TX	-	-	-	-	-	-
2412MHz	Pass	4.77	18.36	18.48	21.43	30.00
2437MHz	Pass	4.77	21.23	21.57	24.41	30.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port1)	-	-	-	-	-	-
2462MHz	Pass	4.57	19.17		19.17	30.00
2467MHz	Pass	4.57	15.99		15.99	30.00
2472MHz	Pass	4.57	3.37		3.37	30.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_1TX(Port2)	-	-	-	-	-	-
2462MHz	Pass	4.77	-	18.24	18.24	30.00
2467MHz	Pass	4.77	-	15.89	15.89	30.00
2472MHz	Pass	4.77	-	2.28	2.28	30.00
802.11ax HEW20_Nss1,(MCS0),RU 106,#RU 54_2TX	-	-	-	-	-	-
2462MHz	Pass	4.77	17.61	17.72	20.68	30.00
2467MHz	Pass	4.77	15.76	15.74	18.76	30.00
2472MHz	Pass	4.77	1.85	1.81	4.84	30.00
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	4.57	16.83		16.83	30.00
2437MHz	Pass	4.57	20.24		20.24	30.00
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	4.77	-	17.03	17.03	30.00
2437MHz	Pass	4.77	-	21.09	21.09	30.00
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 61_2TX	-	-	-	-	-	-
2422MHz	Pass	4.77	16.09	16.34	19.23	30.00
2437MHz	Pass	4.77	19.54	19.44	22.50	30.00
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port1)	-	-	-	-	-	-
2452MHz	Pass	4.57	17.67		17.67	30.00
2457MHz	Pass	4.57	14.13		14.13	30.00
2462MHz	Pass	4.57	10.08		10.08	30.00
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_1TX(Port2)	-	-	-	-	-	-
2452MHz	Pass	4.77	-	16.85	16.85	30.00
2457MHz	Pass	4.77	-	12.37	12.37	30.00
2462MHz	Pass	4.77	-	8.66	8.66	30.00
802.11ax HEW40_Nss1,(MCS0),RU 242,#RU 62_2TX	-	-	-	-	-	-
2452MHz	Pass	4.77	16.53	16.64	19.60	30.00
2457MHz	Pass	4.77	12.8	12.77	15.80	30.00
2462MHz	Pass	4.77	7.99	7.74	10.88	30.00

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_1TX(Port1)	-2.72
802.11b_Nss1,(1Mbps)_1TX(Port2)	-2.73
802.11g_Nss1,(6Mbps)_1TX(Port1)	-6.97
802.11g_Nss1,(6Mbps)_1TX(Port2)	-6.85
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-7.34
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-6.39
802.11n HT20_Nss1,(MCS8)_2TX	-4.63
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	-10.44
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-9.30
802.11ax HEW20_Nss1,(MCS0)_2TX	-5.87
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-10.25
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-9.90
802.11n HT40_Nss1,(MCS8)_2TX	-8.28
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	-11.92
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-12.03
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.15

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)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	-3.93	-	-3.93	8.00
2417MHz	Pass	4.57	-3.25	-	-3.25	8.00
2437MHz	Pass	4.57	-3.30	-	-3.30	8.00
2457MHz	Pass	4.57	-2.94	-	-2.94	8.00
2462MHz	Pass	4.57	-2.72	-	-2.72	8.00
2467MHz	Pass	4.57	-5.32	-	-5.32	8.00
2472MHz	Pass	4.57	-8.99	-	-8.99	8.00
802.11b_Nss1,(1Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	-3.18	-3.18	8.00
2417MHz	Pass	4.77	-	-2.73	-2.73	8.00
2437MHz	Pass	4.77	-	-4.28	-4.28	8.00
2457MHz	Pass	4.77	-	-3.40	-3.40	8.00
2462MHz	Pass	4.77	-	-4.69	-4.69	8.00
2467MHz	Pass	4.77	-	-5.97	-5.97	8.00
2472MHz	Pass	4.77	-	-10.60	-10.60	8.00
802.11g_Nss1,(6Mbps)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	-8.26	-	-8.26	8.00
2417MHz	Pass	4.57	-6.97	-	-6.97	8.00
2437MHz	Pass	4.57	-6.98	-	-6.98	8.00
2457MHz	Pass	4.57	-7.03	-	-7.03	8.00
2462MHz	Pass	4.57	-9.56	-	-9.56	8.00
2467MHz	Pass	4.57	-13.44	-	-13.44	8.00
2472MHz	Pass	4.57	-16.09	-	-16.09	8.00
802.11g_Nss1,(6Mbps)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	-9.80	-9.80	8.00
2417MHz	Pass	4.77	-	-6.92	-6.92	8.00
2437MHz	Pass	4.77	-	-6.85	-6.85	8.00
2457MHz	Pass	4.77	-	-6.99	-6.99	8.00
2462MHz	Pass	4.77	-	-8.17	-8.17	8.00
2467MHz	Pass	4.77	-	-11.31	-11.31	8.00
2472MHz	Pass	4.77	-	-14.46	-14.46	8.00
802.11n HT20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	-10.11	-	-10.11	8.00
2417MHz	Pass	4.57	-7.34	-	-7.34	8.00
2437MHz	Pass	4.57	-7.93	-	-7.93	8.00
2457MHz	Pass	4.57	-8.59	-	-8.59	8.00
2462MHz	Pass	4.57	-9.11	-	-9.11	8.00
2467MHz	Pass	4.57	-13.56	-	-13.56	8.00
2472MHz	Pass	4.57	-18.21	-	-18.21	8.00
802.11n HT20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	-10.07	-10.07	8.00
2417MHz	Pass	4.77	-	-8.36	-8.36	8.00
2437MHz	Pass	4.77	-	-6.39	-6.39	8.00
2457MHz	Pass	4.77	-	-9.02	-9.02	8.00
2462MHz	Pass	4.77	-	-9.45	-9.45	8.00
2467MHz	Pass	4.77	-	-14.87	-14.87	8.00
2472MHz	Pass	4.77	-	-16.18	-16.18	8.00
802.11n HT20_Nss1,(MCS8)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.67	-9.44	-9.24	-7.64	8.00
2417MHz	Pass	4.67	-7.32	-7.18	-4.95	8.00
2437MHz	Pass	4.67	-5.09	-8.02	-4.63	8.00
2457MHz	Pass	4.67	-8.36	-7.62	-6.63	8.00
2462MHz	Pass	4.67	-9.86	-8.32	-6.62	8.00
2467MHz	Pass	4.67	-13.77	-14.84	-12.58	8.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
2472MHz	Pass	4.67	-18.84	-17.65	-16.65	8.00
802.11n HT40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	4.57	-12.57		-12.57	8.00
2427MHz	Pass	4.57	-11.11		-11.11	8.00
2437MHz	Pass	4.57	-10.25		-10.25	8.00
2447MHz	Pass	4.57	-10.60		-10.60	8.00
2452MHz	Pass	4.57	-11.58		-11.58	8.00
2457MHz	Pass	4.57	-16.61		-16.61	8.00
2462MHz	Pass	4.57	-19.63		-19.63	8.00
802.11n HT40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	4.77	-	-12.46	-12.46	8.00
2427MHz	Pass	4.77	-	-9.90	-9.90	8.00
2437MHz	Pass	4.77	-	-10.83	-10.83	8.00
2447MHz	Pass	4.77	-	-10.15	-10.15	8.00
2452MHz	Pass	4.77	-	-13.20	-13.20	8.00
2457MHz	Pass	4.77	-	-16.98	-16.98	8.00
2462MHz	Pass	4.77	-	-17.47	-17.47	8.00
802.11n HT40_Nss1,(MCS8)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.67	-13.32	-12.83	-11.43	8.00
2427MHz	Pass	4.67	-11.41	-10.80	-9.23	8.00
2437MHz	Pass	4.67	-11.21	-10.65	-9.68	8.00
2447MHz	Pass	4.67	-10.32	-11.08	-8.28	8.00
2452MHz	Pass	4.67	-12.28	-12.54	-10.41	8.00
2457MHz	Pass	4.67	-17.44	-16.77	-15.19	8.00
2462MHz	Pass	4.67	-21.16	-21.96	-18.88	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2412MHz	Pass	4.57	-12.61		-12.61	8.00
2417MHz	Pass	4.57	-10.44		-10.44	8.00
2437MHz	Pass	4.57	-11.58		-11.58	8.00
2457MHz	Pass	4.57	-10.63		-10.63	8.00
2462MHz	Pass	4.57	-12.24		-12.24	8.00
2467MHz	Pass	4.57	-13.90		-13.90	8.00
2472MHz	Pass	4.57	-23.46		-23.46	8.00
802.11ax HEW20_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2412MHz	Pass	4.77	-	-12.03	-12.03	8.00
2417MHz	Pass	4.77	-	-10.51	-10.51	8.00
2437MHz	Pass	4.77	-	-9.81	-9.81	8.00
2457MHz	Pass	4.77	-	-9.30	-9.30	8.00
2462MHz	Pass	4.77	-	-11.01	-11.01	8.00
2467MHz	Pass	4.77	-	-13.76	-13.76	8.00
2472MHz	Pass	4.77	-	-22.49	-22.49	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.67	-10.53	-10.74	-8.02	8.00
2417MHz	Pass	4.67	-7.16	-8.23	-5.87	8.00
2437MHz	Pass	4.67	-9.37	-9.35	-6.85	8.00
2457MHz	Pass	4.67	-9.21	-9.70	-7.54	8.00
2462MHz	Pass	4.67	-10.35	-11.07	-8.16	8.00
2467MHz	Pass	4.67	-14.21	-14.61	-12.05	8.00
2472MHz	Pass	4.67	-21.97	-21.91	-19.78	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port1)	-	-	-	-	-	-
2422MHz	Pass	4.57	-12.17		-12.17	8.00
2427MHz	Pass	4.57	-12.19		-12.19	8.00
2437MHz	Pass	4.57	-13.34		-13.34	8.00
2447MHz	Pass	4.57	-11.92		-11.92	8.00
2452MHz	Pass	4.57	-13.26		-13.26	8.00
2457MHz	Pass	4.57	-17.72		-17.72	8.00



Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
2462MHz	Pass	4.57	-23.03		-23.03	8.00
802.11ax HEW40_Nss1,(MCS0)_1TX(Port2)	-	-	-	-	-	-
2422MHz	Pass	4.77	-	-12.43	-12.43	8.00
2427MHz	Pass	4.77	-	-12.50	-12.50	8.00
2437MHz	Pass	4.77	-	-12.03	-12.03	8.00
2447MHz	Pass	4.77	-	-12.21	-12.21	8.00
2452MHz	Pass	4.77	-	-16.14	-16.14	8.00
2457MHz	Pass	4.77	-	-20.60	-20.60	8.00
2462MHz	Pass	4.77	-	-22.67	-22.67	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.67	-14.46	-15.17	-13.09	8.00
2427MHz	Pass	4.67	-11.52	-12.60	-10.15	8.00
2437MHz	Pass	4.67	-12.68	-12.90	-10.92	8.00
2447MHz	Pass	4.67	-12.48	-12.51	-10.37	8.00
2452MHz	Pass	4.67	-14.75	-15.78	-13.04	8.00
2457MHz	Pass	4.67	-18.46	-18.93	-18.01	8.00
2462MHz	Pass	4.67	-21.78	-22.80	-21.31	8.00

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;

