

FCC Radio Test Report

FCC ID : PPQ-WCBN3515A
Equipment : Wireless LAN module
Brand Name : LITE-ON
Model Name : WCBN3515A
Applicant : LITE-ON TECHNOLOGY CORP.
Bldg. C, 90, Chien 1 Road, Chung Ho, New Taipei City
23585, Taiwan, R.O.C
Manufacturer : LITE-ON TECHNOLOGY (Changzhou) CO., LTD
A9 Building, No.88 Yanghu Road, Wujin Hi-Tech
Industrial Development Zone, Changzhou City, Jiangsu
Province 213100 China
Standard : 47 CFR FCC Part 15.247

The product was received on Feb. 24, 2020, and testing was started from Mar. 12, 2020 and completed on May 20, 2021. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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



Approved by: Allen Lin

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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History of this test report

Report No.	Version	Description	Issued Date
FR020615AC	01	Initial issue of report	May 27, 2021

Summary of Test Result

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

Declaration of Conformity:

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

Comments and explanations:

None

Reviewed by: Sam Tsai

Report Producer: Yunha Liou

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 (5M),b (10M),b (20M), g (5M),g (10M),g (20M), n (5M), n (10M), n (HT20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40)	2422-2452	3-9 [7]

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	11b-5M	5	2TX
2.4-2.4835GHz	11g-5M	5	2TX
2.4-2.4835GHz	11n-5M	5	2TX
2.4-2.4835GHz	11b-10M	10	2TX
2.4-2.4835GHz	11g-10M	10	2TX
2.4-2.4835GHz	11n-10M	10	2TX
2.4-2.4835GHz	11b-20M	20	2TX
2.4-2.4835GHz	11g-20M	20	2TX
2.4-2.4835GHz	802.11n HT20	20	2TX
2.4-2.4835GHz	802.11n HT40	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.
- ♦ BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Case	Ant.	Brand	Model Name	Antenna Type	Connector
1	1	Itabashiseiki Co.,Ltd.	ANW-3001	Dipole	I-PEX
	2	Itabashiseiki Co.,Ltd.	ANW-3001	Dipole	I-PEX
2	3	INPAQ Technology Co.,Ltd	Patch-3001	Patch	I-PEX
	4	Itabashiseiki Co.,Ltd.	ANW-3001	Dipole	I-PEX
3	5	Itabashiseiki Co.,Ltd.	ANW-3001	Dipole	I-PEX
	6	INPAQ Technology Co.,Ltd	Patch-3001	Patch	I-PEX
4	7	INPAQ Technology Co.,Ltd	Patch-3001	Patch	I-PEX
	8	INPAQ Technology Co.,Ltd	Patch-3001	Patch	I-PEX

Case	Ant.	Port	Gain (dBi)		
			2.4G	5G Band 1	5G Band 4
1	1	1	2.8	3.5	4.6
	2	2	2.8	3.5	4.6
2	3	1	3.6	4.6	3.2
	4	2	2.8	3.5	4.6
3	5	1	2.8	3.5	4.6
	6	2	3.6	4.6	3.2
4	7	1	3.6	4.6	3.2
	8	2	3.6	4.6	3.2

Note 1: The EUT has four combination of antenna.

Note 2: EUT can match with above antennas for using. Higher gain in each case of antenna was used to perform the worst configuration and result of that was recorded as the final test result.

For 2.4GHz function:

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

Port 1 and Port 2 could transmit/receive simultaneously.

For 5GHz function:

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

Port 1 and Port 2 could transmit/receive simultaneously.

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter		
EUT Function	☒ Point-to-multipoint	☐ Point-to-point	
Beamforming Function	☐ With beamforming	☒ Without beamforming	
Type of EUT			
☒	Stand-alone		
☐	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.: ...		
☐	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.: ...		
☐	Other:		

1.1.4 Mode Test Duty Cycle

Case 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
11b-5M_Nss1,(1Mbps)_2TX	1	0	50.002m	10
11b-10M_Nss1,(1Mbps)_2TX	0.998	0.01	29.23m	10
11b-20M_Nss1,(1Mbps)_2TX	0.986	0.06	8.114m	10
11g-5M_Nss1,(6Mbps)_2TX	0.997	0.01	48.012m	10
11g-10M_Nss1,(6Mbps)_2TX	0.998	0.01	29.684m	10
11g-20M_Nss1,(6Mbps)_2TX	0.915	0.39	1.347m	1k
11n-5M_Nss1,(MCS0)_2TX	1	0	50.002m	10
11n-10M_Nss1,(MCS0)_2TX	0.995	0.02	31.727m	10
802.11n HT20_Nss1,(MCS0)_2TX	0.907	0.42	1.263m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.834	0.79	631.25u	3k

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

**Case 2**

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11b-5M_Nss1,(1Mbps)_2TX	1	0	50.002m	10
11b-10M_Nss1,(1Mbps)_2TX	0.998	0.01	29.23m	10
11b-20M_Nss1,(1Mbps)_2TX	0.986	0.06	8.114m	10
11g-5M_Nss1,(6Mbps)_2TX	0.997	0.01	48.012m	10
11g-10M_Nss1,(6Mbps)_2TX	0.998	0.01	29.684m	10
11g-20M_Nss1,(6Mbps)_2TX	0.915	0.39	1.347m	1k
11n-5M_Nss1,(MCS0)_2TX	1	0	50.002m	10
11n-10M_Nss1,(MCS0)_2TX	0.995	0.02	31.727m	10
802.11n HT20_Nss1,(MCS0)_2TX	0.907	0.42	1.263m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.834	0.79	631.25u	3k

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

Case 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) $\geq 1/T$
11b-5M_Nss1,(1Mbps)_2TX	0.992	0.03	36.775m	10
11b-10M_Nss1,(1Mbps)_2TX	1	0	50.002m	10
11b-20M_Nss1,(1Mbps)_2TX	0.981	0.08	8.114m	10
11g-5M_Nss1,(6Mbps)_2TX	0.991	0.04	40.908m	10
11g-10M_Nss1,(6Mbps)_2TX	0.995	0.02	31.428m	10
11g-20M_Nss1,(6Mbps)_2TX	0.915	0.39	1.347m	1k
11n-5M_Nss1,(MCS0)_2TX	0.996	0.02	49.775m	10
11n-10M_Nss1,(MCS0)_2TX	0.994	0.03	39.545m	10
802.11n HT20_Nss1,(MCS0)_2TX	0.912	0.4	1.263m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.839	0.76	631.25u	3k

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

Case 4

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
11b-5M_Nss1,(1Mbps)_2TX	1	0	50.002m	10
11b-10M_Nss1,(1Mbps)_2TX	1	0	50.002m	10
11b-20M_Nss1,(1Mbps)_2TX	0.983	0.07	8.114m	10
11g-5M_Nss1,(6Mbps)_2TX	0.992	0.03	85.603m	10
11g-10M_Nss1,(6Mbps)_2TX	0.996	0.02	42.806m	10
11g-20M_Nss1,(6Mbps)_2TX	0.913	0.4	1.347m	1k
11n-5M_Nss1,(MCS0)_2TX	0.993	0.03	79.094m	10
11n-10M_Nss1,(MCS0)_2TX	0.994	0.03	39.55m	10
802.11n HT20_Nss1,(MCS0)_2TX	0.909	0.41	1.263m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.836	0.78	631.25u	3k

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

1.2 Testing Applied Standards

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

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

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

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

1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
☒ Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Edward Wang	23.1~24.5°C / 62~68%	10/Jul/2020
RF Conducted	TH01-HY	Vivi Jiang	22.1~26.9°C / 50~61%	12/Mar/2020~20/May/2021
Radiated	03CH02-HY	Streak Liao	22.1~23.8°C / 52~61%	21/Jan/2021~02/Feb/2021
☐ Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

1.4 Measurement Uncertainty

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

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

2 Test Configuration of EUT

2.1 Test Condition

RF Conducted	Abbreviation	Remark
TnomVnom	Tnom	20°C
-	Vnom	120V

2.2 Test Channel Mode

Test Software Version	QDART-Connectivity 1.0-00057 and qdart_conn.win.1.0_installer_00072.1
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Case 1

Mode	Power Setting
11b-5M_Nss1,(1Mbps)_2TX	-
2412MHz	15.5
2417MHz	13
2437MHz	22
2457MHz	13.5
2462MHz	15.5
11b-10M_Nss1,(1Mbps)_2TX	-
2412MHz	15.5
2417MHz	13
2437MHz	23
2457MHz	14
2462MHz	16.5
11b-20M_Nss1,(1Mbps)_2TX	-
2412MHz	15
2417MHz	16.5
2437MHz	19
2457MHz	17.5
2462MHz	17.5
11g-5M_Nss1,(6Mbps)_2TX	-
2412MHz	19.5
2417MHz	20
2437MHz	25
2457MHz	20
2462MHz	23.5



Mode	Power Setting
11g-10M_Nss1,(6Mbps)_2TX	-
2412MHz	20
2417MHz	20
2437MHz	24.5
2457MHz	19.5
2462MHz	20.5
11g-20M_Nss1,(6Mbps)_2TX	-
2412MHz	14.5
2417MHz	16.5
2437MHz	18.5
2457MHz	15
2462MHz	15
11n-5M_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	20
2437MHz	25
2457MHz	20.5
2462MHz	23
11n-10M_Nss1,(MCS0)_2TX	-
2412MHz	20
2417MHz	19.5
2437MHz	24
2457MHz	19.5
2462MHz	20.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	20
2437MHz	22.5
2457MHz	18
2462MHz	15
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	12
2427MHz	16.5
2437MHz	12.5
2452MHz	13

**Case 2**

Mode	Power Setting
11b-5M_Nss1,(1Mbps)_2TX	-
2412MHz	14.5
2417MHz	13.5
2437MHz	23
2457MHz	14.5
2462MHz	16
11b-10M_Nss1,(1Mbps)_2TX	-
2412MHz	16.5
2417MHz	16
2437MHz	22.5
2457MHz	16.5
2462MHz	18
11b-20M_Nss1,(1Mbps)_2TX	-
2412MHz	16
2417MHz	14
2437MHz	17
2457MHz	13.5
2462MHz	14.5
11g-5M_Nss1,(6Mbps)_2TX	-
2412MHz	19.5
2417MHz	20
2437MHz	25
2457MHz	20
2462MHz	21
11g-10M_Nss1,(6Mbps)_2TX	-
2412MHz	20
2417MHz	20
2437MHz	24.5
2457MHz	20
2462MHz	21
11g-20M_Nss1,(6Mbps)_2TX	-
2412MHz	17
2417MHz	20
2437MHz	23
2457MHz	19.5
2462MHz	16



Mode	Power Setting
11n-5M_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	20.5
2437MHz	25
2457MHz	21
2462MHz	21.5
11n-10M_Nss1,(MCS0)_2TX	-
2412MHz	19.5
2417MHz	20
2437MHz	24.5
2457MHz	20.5
2462MHz	21
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	18
2417MHz	21.5
2437MHz	23
2457MHz	19
2462MHz	16.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	13
2427MHz	14.5
2437MHz	17.5
2447MHz	15
2452MHz	14

**Case 3**

Mode	Power Setting
11b-5M_Nss1,(1Mbps)_2TX	-
2412MHz	18
2417MHz	15.5
2437MHz	22
2457MHz	16.5
2462MHz	16.5
11b-10M_Nss1,(1Mbps)_2TX	-
2412MHz	17
2417MHz	17.5
2437MHz	22.5
2457MHz	22
2462MHz	19.5
11b-20M_Nss1,(1Mbps)_2TX	-
2412MHz	18
2417MHz	17
2437MHz	25
2457MHz	19.5
2462MHz	19.5
11g-5M_Nss1,(6Mbps)_2TX	-
2412MHz	21
2417MHz	20
2437MHz	25
2457MHz	22
2462MHz	20.5
11g-10M_Nss1,(6Mbps)_2TX	-
2412MHz	20.5
2417MHz	20.5
2437MHz	23
2457MHz	21
2462MHz	20.5
11g-20M_Nss1,(6Mbps)_2TX	-
2412MHz	16.5
2417MHz	20
2437MHz	22.5
2457MHz	19
2462MHz	17



Mode	Power Setting
11n-5M_Nss1,(MCS0)_2TX	-
2412MHz	21
2417MHz	21
2437MHz	25
2457MHz	22
2462MHz	20.5
11n-10M_Nss1,(MCS0)_2TX	-
2412MHz	21.5
2417MHz	21
2437MHz	24.5
2457MHz	21.5
2462MHz	20.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	19.5
2437MHz	23
2457MHz	19.5
2462MHz	17
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	14
2427MHz	14.5
2437MHz	19
2447MHz	15.5
2452MHz	15

**Case 4**

Mode	Power Setting
11b-5M_Nss1,(1Mbps)_2TX	-
2412MHz	19.5
2417MHz	18
2437MHz	22.5
2457MHz	19
2462MHz	19
11b-10M_Nss1,(1Mbps)_2TX	-
2412MHz	20
2417MHz	17.5
2437MHz	23
2457MHz	19
2462MHz	18.5
11b-20M_Nss1,(1Mbps)_2TX	-
2412MHz	22.5
2417MHz	18
2437MHz	24
2457MHz	19.5
2462MHz	18
11g-5M_Nss1,(6Mbps)_2TX	-
2412MHz	25
2437MHz	25
2457MHz	25
2462MHz	20.5
11g-10M_Nss1,(6Mbps)_2TX	-
2412MHz	22.5
2417MHz	22
2437MHz	24.5
2457MHz	22.5
2462MHz	20.5
11g-20M_Nss1,(6Mbps)_2TX	-
2412MHz	18
2417MHz	21.5
2437MHz	24.5
2457MHz	20.5
2462MHz	18
11n-5M_Nss1,(MCS0)_2TX	-



Mode	Power Setting
2412MHz	25
2437MHz	25
2457MHz	25
2462MHz	20.5
11n-10M_Nss1,(MCS0)_2TX	-
2412MHz	22.5
2417MHz	22
2437MHz	25
2457MHz	22.5
2462MHz	20.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	18
2417MHz	21.5
2437MHz	24.5
2457MHz	19.5
2462MHz	17.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	14.5
2427MHz	16.5
2437MHz	19
2447MHz	17
2452MHz	14

2.3 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral
Operating Mode	CTX
1	Adapter mode; Patch Ant.
2	Adapter mode; Dipole Ant.

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; Case 1
2	Adapter mode; Case 2
3	Adapter mode; Case 3
4	Adapter mode; Case 4
Operating Mode > 1GHz	CTX
Orthogonal Planes of EUT	Z Plane
	



2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Test fixture	-	-	-	Note 1
2	Adapter	APD	WA-36A12R	-	Note 1

Note 1: Provided by Customer.

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	Notebook	DELL	E5410	-	-
4	Adapter for NB	DELL	HA65NM130	-	-
5	DC Power Supply	GW	GPS-3030DD	-	-
6	Fixture	-	-	-	Note 1

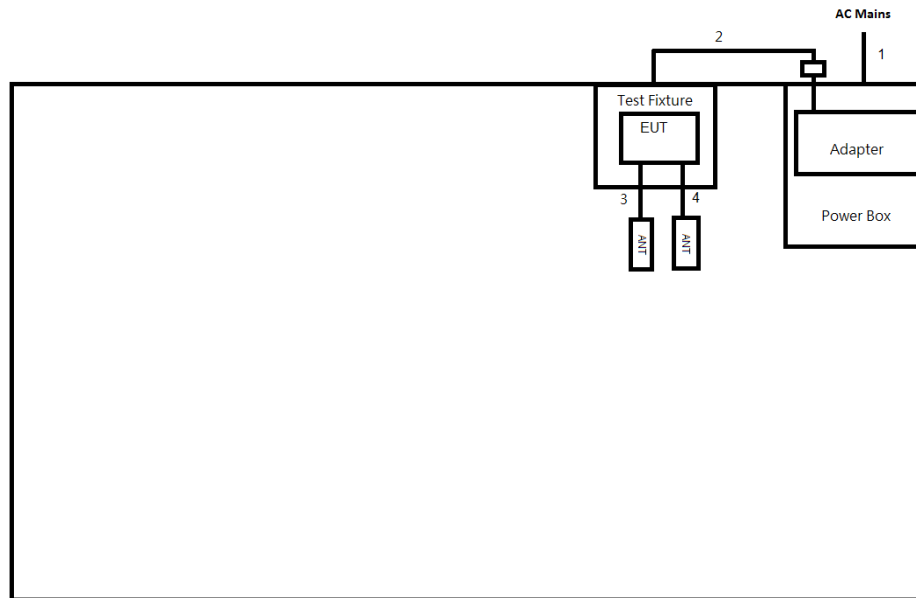
Note 1: Provided by Customer.

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Test fixture	-	-	-	Note 1
2	Adapter	PHIHONG	PSAA12A-120L6	-	Note 1

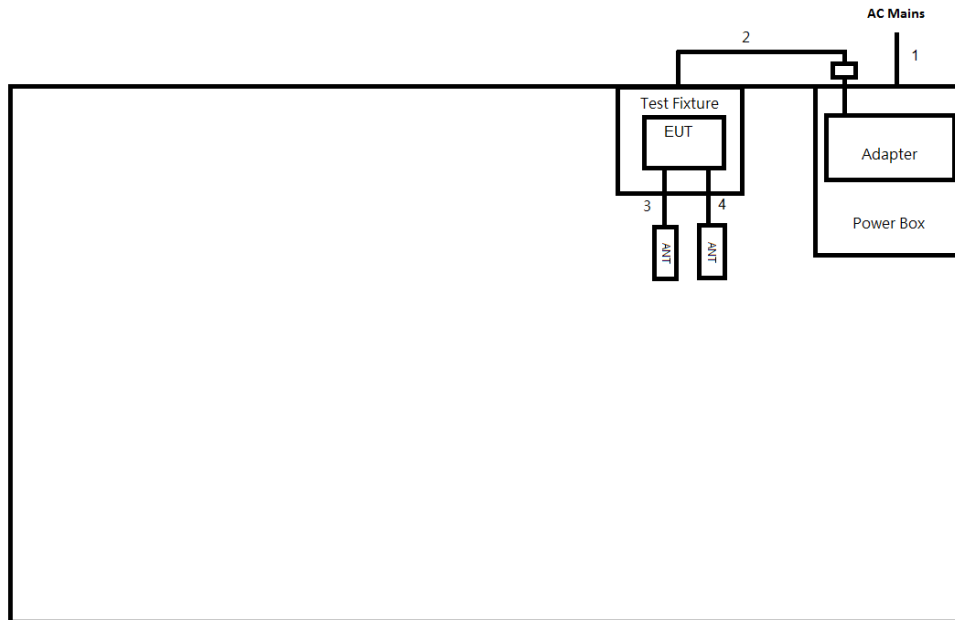
Note 1: Provided by Customer.

2.5 Test Setup Diagram

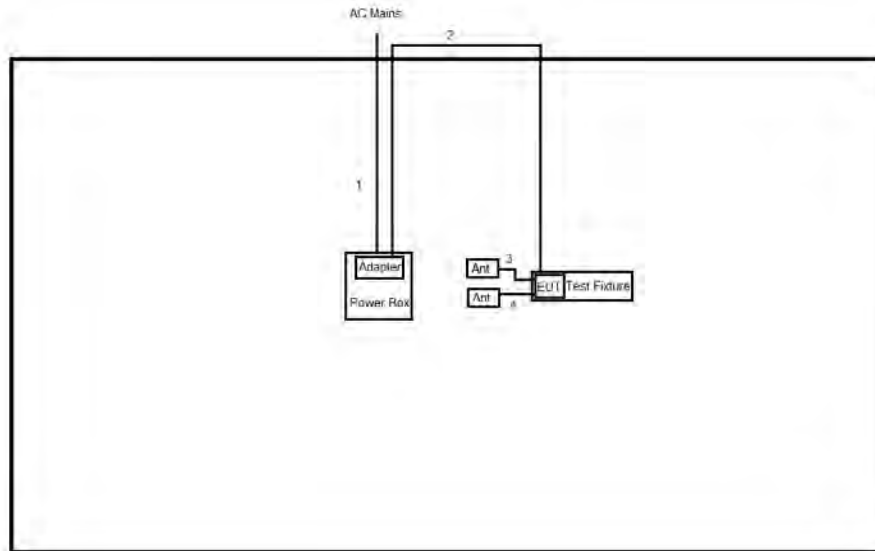
Test Setup Diagram – AC Line Conducted Emission Test – Mode 1



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	0.36	-
3	RF cable	No	0.27	-
4	RF cable	No	0.27	-

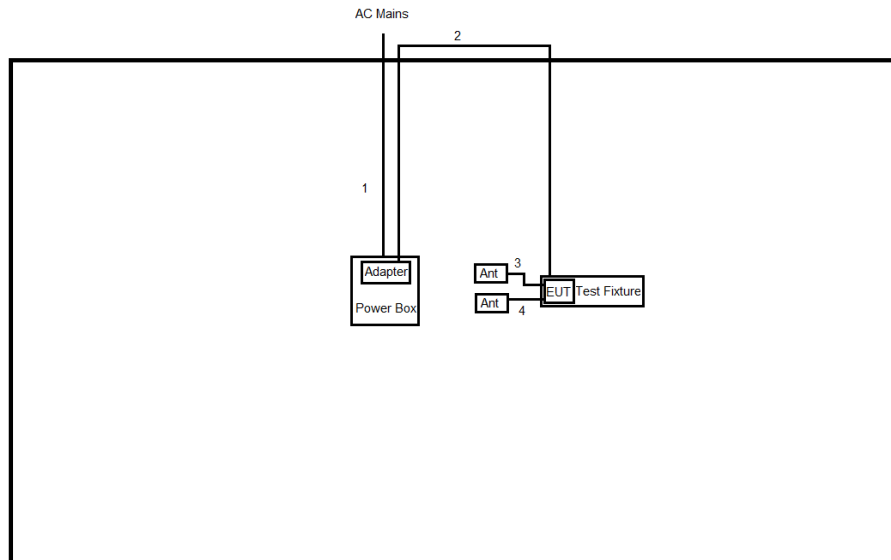
Test Setup Diagram – AC Line Conducted Emission Test – Mode 2


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	0.36	-
3	RF cable	No	0.1	-
4	RF cable	No	0.1	-

Test Setup Diagram - Radiated Test – Mode 1


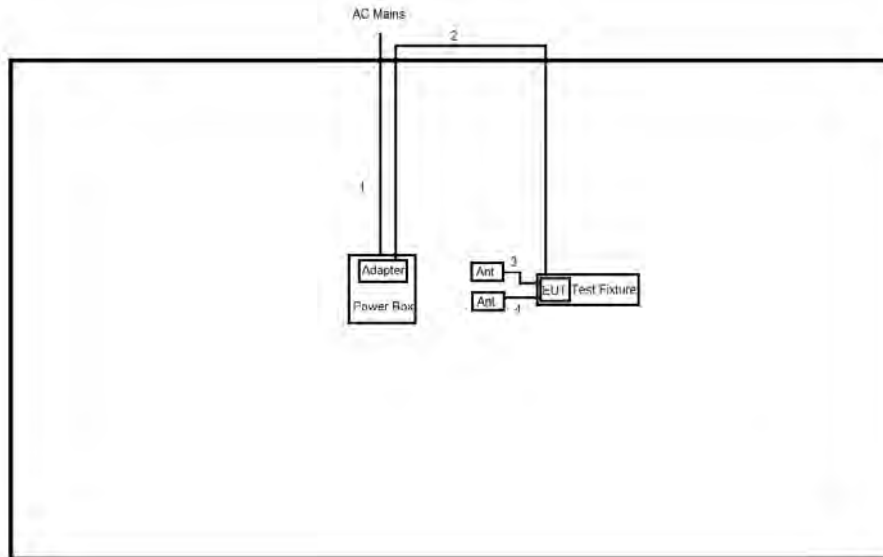
Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.16	-
3	RF cable	No	0.1	-
4	RF cable	No	0.1	-

Test Setup Diagram - Radiated Test – Mode 2

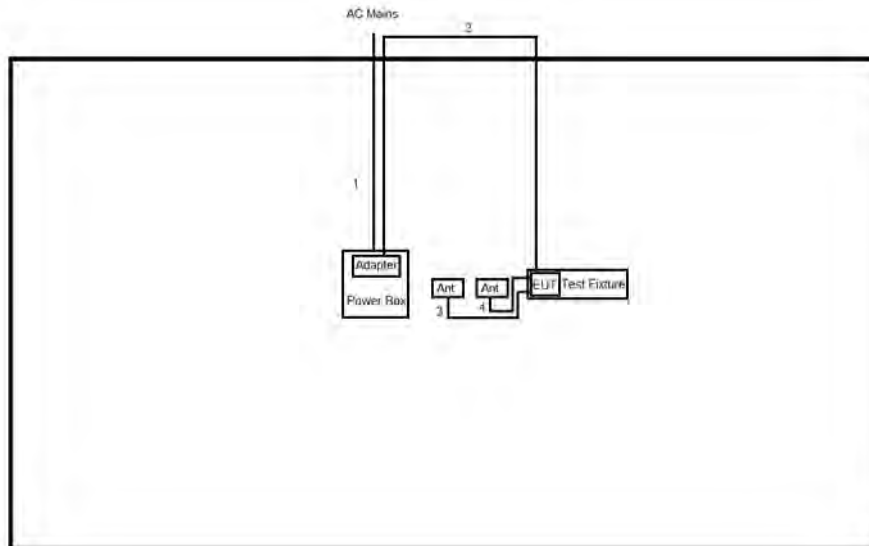


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.16	-
3	RF cable	No	0.1	-
4	RF cable	No	0.27	-

Test Setup Diagram - Radiated Test – Mode 3



Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.16	-
3	RF cable	No	0.27	-
4	RF cable	No	0.1	-

Test Setup Diagram - Radiated Test – Mode 4


Item	Connection	Shielded	Length(m)	Remark
1	AC Power cable	No	1.8	-
2	DC Power cable	No	1.16	-
3	RF cable	No	0.27	-
4	RF cable	No	0.27	-

3 Transmitter Test Result

3.1 AC Power-line Conducted Emissions

3.1.1 AC Power-line Conducted Emissions Limit

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

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

3.1.2 Measuring Instruments

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

3.1.3 Test Procedures

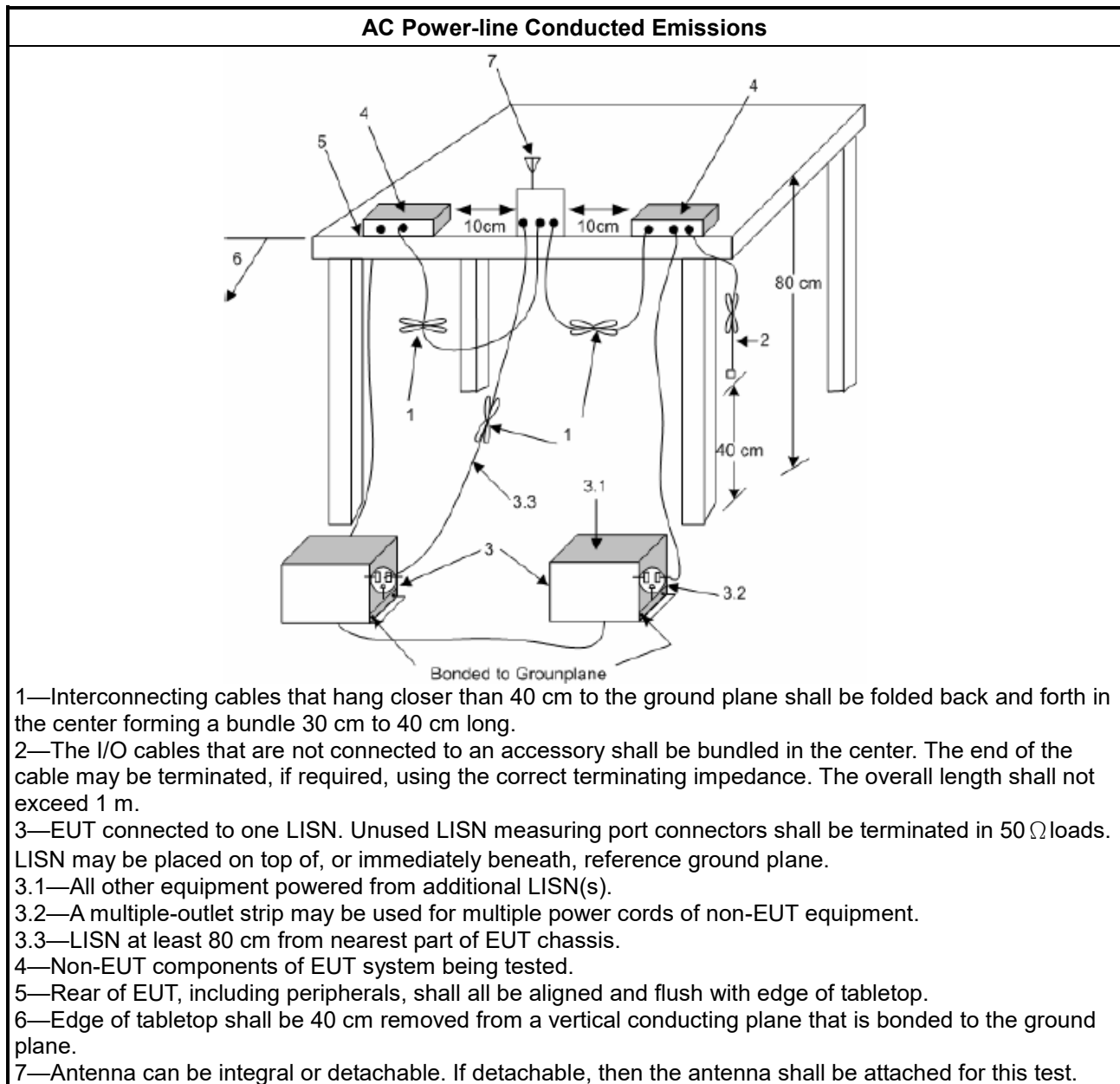
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

3.1.4 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:	
▪	6 dB bandwidth $\geq$ 500 kHz.

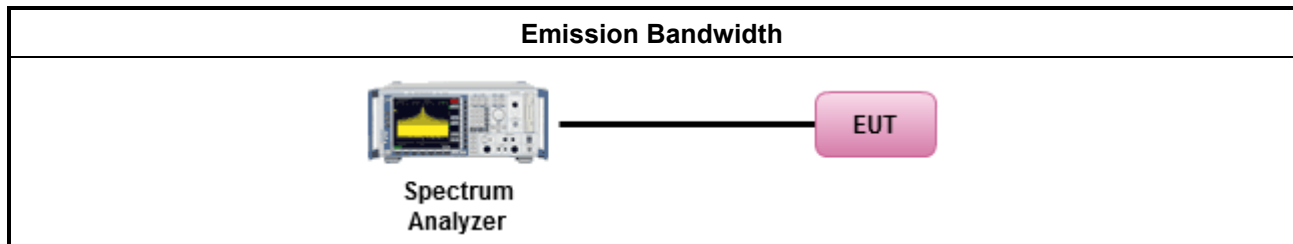
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
☒	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
☐	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
☐	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		
	▪	If $G_{TX} \leq 6$ dBi, then $P_{Out} \leq 30$ dBm (1 W)
	▪	Point-to-multipoint systems (P2M): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ dBm
	▪	Point-to-point systems (P2P): If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	▪	Smart antenna system (SAS):
	-	Single beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Overlap beam: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3$ dBm
	-	Aggregate power on all beams: If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)/3 + 8$ dB dBm
e.i.r.p. Power Limit:		
	▪	2400-2483.5 MHz Band
	▪	Point-to-multipoint systems (P2M): $P_{eirp} \leq 36$ dBm (4 W)
	▪	Point-to-point systems (P2P): $P_{eirp} \leq \text{MAX}(36, [P_{Out} + G_{TX}])$ dBm
	▪	Smart antenna system (SAS)
	-	Single beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	Overlap beam: $P_{eirp} \leq \text{MAX}(36, P_{Out} + G_{TX})$ dBm
	-	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.		

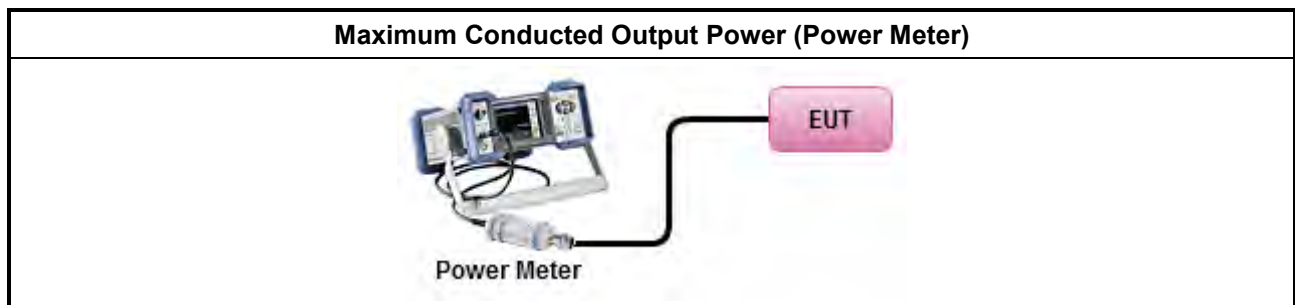
3.3.2 Measuring Instruments

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

3.3.3 Test Procedures

Test Method	
Maximum Peak Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.1.1 (11.9.1.1 of ANSI C63.10) RBW ≥ EBW method.
☐	Refer as KDB 558074, clause 8.3.1.2 (11.9.1.2 of ANSI C63.10) integrated band power method.
☐	Refer as KDB 558074, clause 8.3.1.3 (11.9.1.3 of ANSI C63.10) peak power meter.
Maximum Average Conducted Output Power	
☐	Refer as KDB 558074, clause 8.3.2.2 (11.9.2.2 of ANSI C63.10) using a spectrum analyzer.
☒	Refer as KDB 558074, clause 8.3.2.3 (11.9.2.3 of ANSI C63.10) using a power meter.
For conducted measurement.	
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.	
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	
▪	Power Spectral Density (PSD) ≤ 8 dBm/3kHz

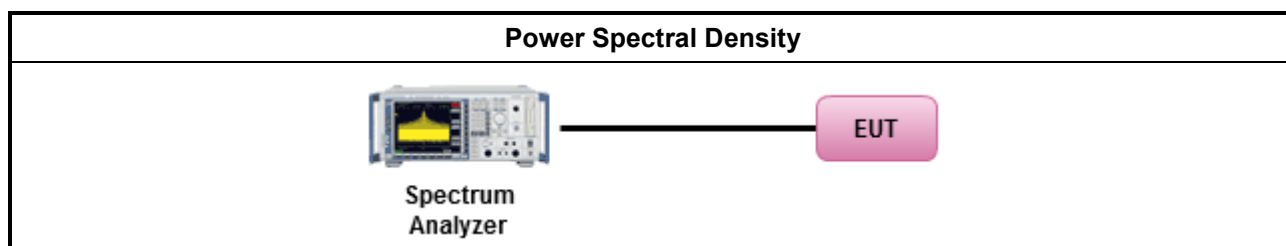
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method	
▪	Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒	Refer as KDB 558074, clause 8.4 (11.10 of ANSI C63.10) Max. PSD.
▪	For conducted measurement.
▪	If The EUT supports multiple transmit chains using options given below:
▪	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.	

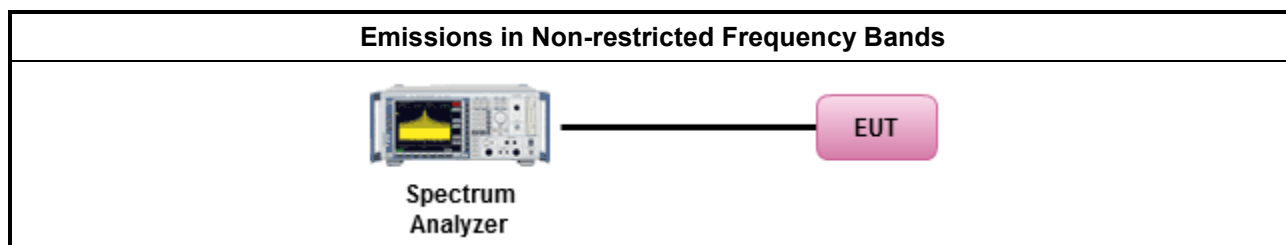
3.5.2 Measuring Instruments

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

3.5.3 Test Procedures

Test Method
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

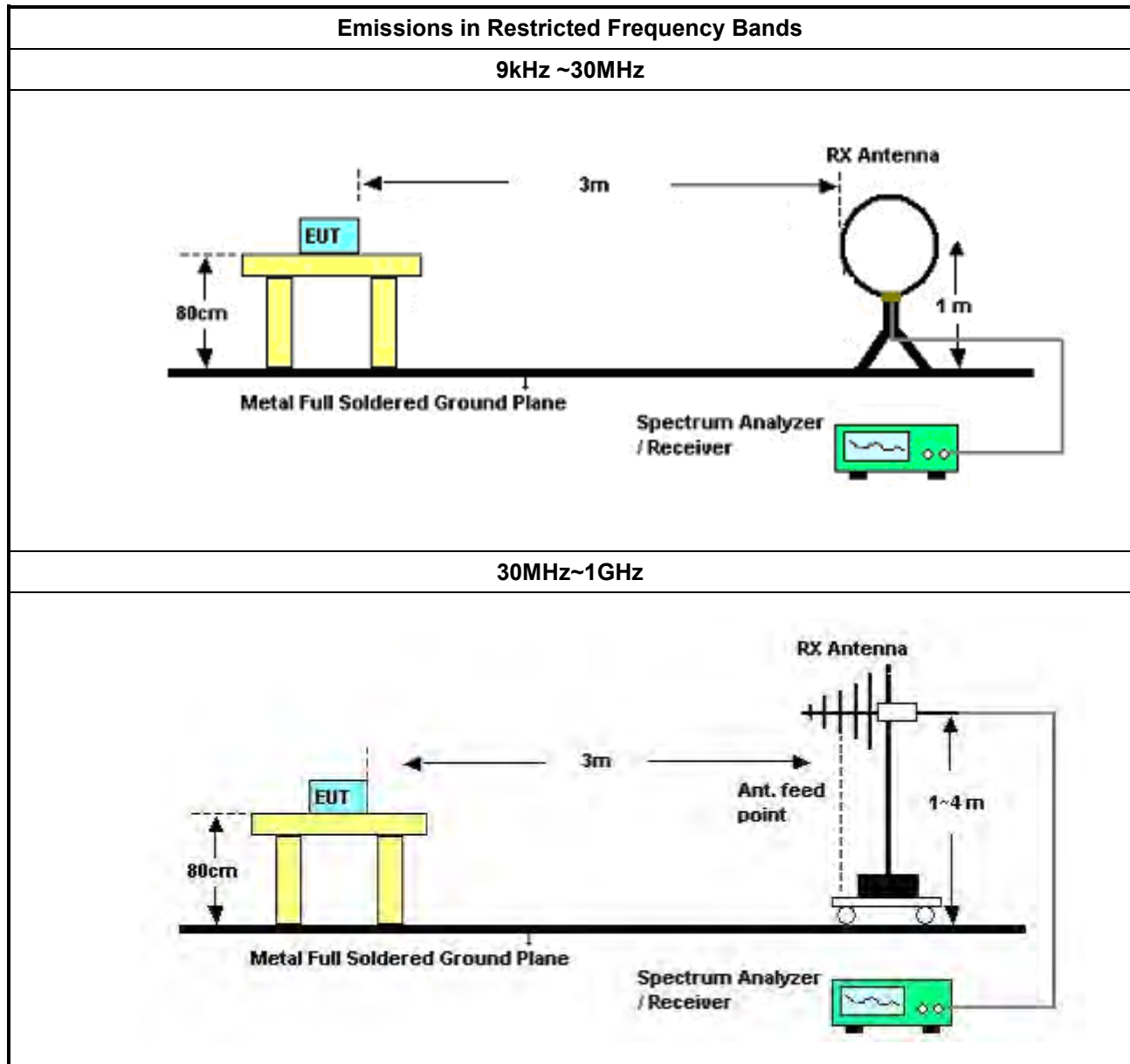
Test Method	
The average emission levels shall be measured in [duty cycle $\geq$ 98 or duty factor].	
Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.	
For the transmitter unwanted emissions shall be measured using following options below:	
	Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.
For the transmitter band-edge emissions shall be measured using following options below:	
	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.
	Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.
	Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.
Use the following spectrum analyzer settings:	
	Set RBW=100 kHz for $f < 1$ GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.
	Set RBW = 1 MHz, VBW= 3MHz for $f \geq 1$ GHz for peak measurement. For average measurement, refer as 1.1.4.
KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.	
	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.
	Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.

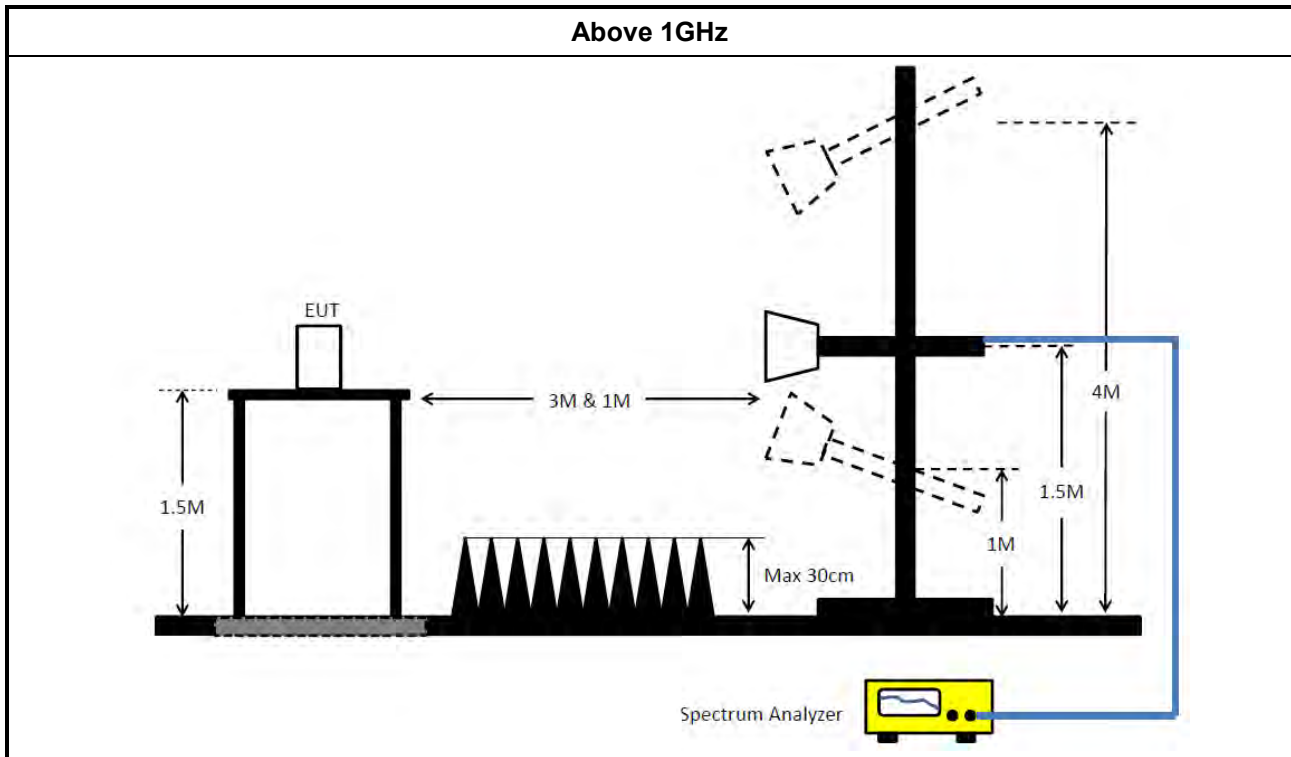
3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F



4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMC Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	29/May/2020	28/May/2021
LISN	R&S	ENV216	101295	9kHz ~ 30MHz	05/Nov/2019	04/Nov/2020
RF Cable-CON	MTJ	RG142	CB002-CO	9kHz ~ 200MHz	23/Sep/2019	22/Sep/2020
AC POWER	APC	AFC-11005G	F310050055	47Hz~63Hz 5~300V	NCR	NCR
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9 kHz ~ 30 MHz	24/Sep/2019	23/Sep/2020

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	10kHz~40GHz	01/Oct/2019	30/Sep/2020
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	19/Mar/2020	18/Mar/2021
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	30/Mar/2021	29/Mar/2022
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	12/Nov/2018	11/Nov/2020
SMB100A Signal Generator	R&S	SMB100A03	181147	100kHz~40GHz	20/Oct/2020	19/Oct/2021
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	25/Nov/2019	24/Nov/2020
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	25/Nov/2019	24/Nov/2020
Pulse Sensor	Anritsu	MA2411B	1027452	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Power Meter	Anritsu	ML2495A	1124009	300MHz~40GHz	18/Mar/2020	17/Mar/2021
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	27/Nov/2020	26/Nov/2021
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	27/Nov/2020	26/Nov/2021

**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	30MHz~1GHz 3m	04/Aug/2020	03/Aug/2021
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	02/Aug/2020	01/Aug/2021
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	27/Feb/2020	26/Feb/2021
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	30/Jun/2020	29/Jun/2021
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~18GHz	23/Oct/2020	22/Oct/2021
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	06/Sep/2020	05/Sep/2021
Double Ridged Guide Horn Antenna	SCHWARZBEC	BBHA 9120 D	BBHA 9120 D 01543	1GHz~18GHz	09/Jun/2020	08/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	9kHz~30MHz	20/Jun/2020	19/Jun/2021
RF Cable-R03m	Jye Bao	RG142	CB017	30MHz~1GHz	25/Mar/2020	24/Mar/2021
RF Cable-R03m	HUBER+ SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	08/Apr/2020	07/Apr/2021
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170339	18GHz~40GHz	14/Apr/2020	13/Apr/2021
Preamplifier	MITEQ	TTA1840-35-HG	1864481	18GHz~40GHz	10/Mar/2020	09/Mar/2021
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	16/Mar/2020	15/Mar/2021
EMI Test Receiver	R&S	ESR3	102051	9kHz~3.6GHz	29/May/2020	28/May/2021



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	433.769k	24.41	47.19	-22.78	Line
Mode 2	Pass	AV	432.041k	24.46	47.20	-22.74	Line

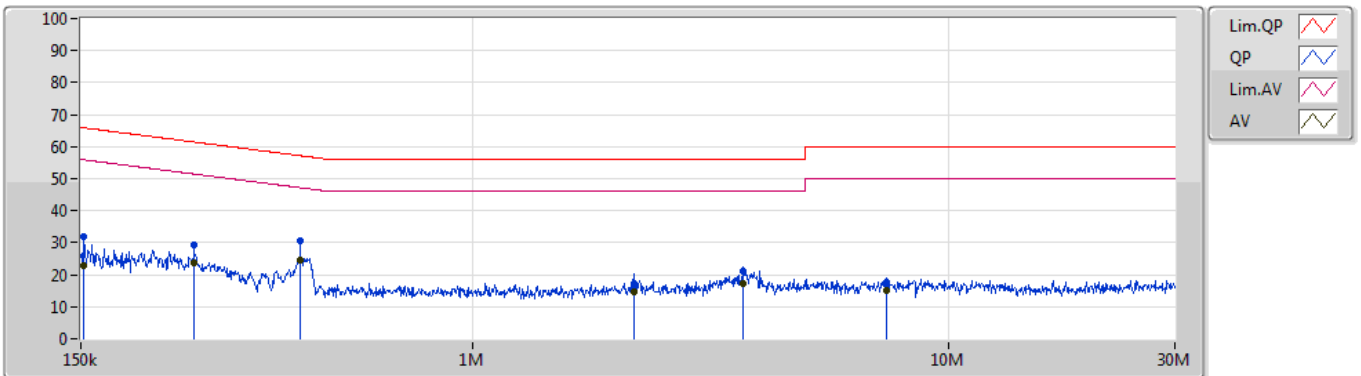
Mode Configure

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	152.414k	31.99	65.87	-33.88	Line	-
Mode 1	Pass	AV	152.414k	22.92	55.87	-32.95	Line	-
Mode 1	Pass	QP	260.222k	29.43	61.43	-32.00	Line	-
Mode 1	Pass	AV	260.222k	23.56	51.43	-27.87	Line	-
Mode 1	Pass	QP	433.769k	30.58	57.19	-26.61	Line	-
Mode 1	Pass	AV	433.769k	24.41	47.19	-22.78	Line	"Worst"
Mode 1	Pass	QP	2.185M	17.26	56.00	-38.74	Line	-
Mode 1	Pass	AV	2.185M	14.50	46.00	-31.50	Line	-
Mode 1	Pass	QP	3.715M	21.13	56.00	-34.87	Line	-
Mode 1	Pass	AV	3.715M	17.27	46.00	-28.73	Line	-
Mode 1	Pass	QP	7.412M	17.86	60.00	-42.14	Line	-
Mode 1	Pass	AV	7.412M	15.29	50.00	-34.71	Line	-
Mode 1	Pass	QP	156.109k	32.10	65.67	-33.57	Neutral	-
Mode 1	Pass	AV	156.109k	21.67	55.67	-34.00	Neutral	-
Mode 1	Pass	QP	189.837k	29.11	64.05	-34.94	Neutral	-
Mode 1	Pass	AV	189.837k	21.76	54.05	-32.29	Neutral	-
Mode 1	Pass	QP	432.041k	28.65	57.20	-28.55	Neutral	-
Mode 1	Pass	AV	432.041k	22.59	47.20	-24.61	Neutral	"Worst"
Mode 1	Pass	QP	2.211M	17.34	56.00	-38.66	Neutral	-
Mode 1	Pass	AV	2.211M	14.45	46.00	-31.55	Neutral	-
Mode 1	Pass	QP	3.851M	21.11	56.00	-34.89	Neutral	-
Mode 1	Pass	AV	3.851M	17.35	46.00	-28.65	Neutral	-
Mode 1	Pass	QP	7.294M	17.35	60.00	-42.65	Neutral	-
Mode 1	Pass	AV	7.294M	14.99	50.00	-35.01	Neutral	-
Mode 2	Pass	QP	153.636k	31.85	65.81	-33.96	Line	-
Mode 2	Pass	AV	153.636k	22.35	55.81	-33.46	Line	-
Mode 2	Pass	QP	262.308k	28.89	61.35	-32.46	Line	-
Mode 2	Pass	AV	262.308k	23.14	51.35	-28.21	Line	-
Mode 2	Pass	QP	432.041k	30.47	57.20	-26.73	Line	-
Mode 2	Pass	AV	432.041k	24.46	47.20	-22.74	Line	"Worst"
Mode 2	Pass	QP	2.211M	19.66	56.00	-36.34	Line	-
Mode 2	Pass	AV	2.211M	15.56	46.00	-30.44	Line	-
Mode 2	Pass	QP	3.656M	22.26	56.00	-33.74	Line	-
Mode 2	Pass	AV	3.656M	17.85	46.00	-28.15	Line	-
Mode 2	Pass	QP	6.953M	17.43	60.00	-42.57	Line	-
Mode 2	Pass	AV	6.953M	15.23	50.00	-34.77	Line	-
Mode 2	Pass	QP	153.024k	32.02	65.83	-33.81	Neutral	-
Mode 2	Pass	AV	153.024k	21.31	55.83	-34.52	Neutral	-
Mode 2	Pass	QP	172.493k	30.17	64.83	-34.66	Neutral	-
Mode 2	Pass	AV	172.493k	20.91	54.83	-33.92	Neutral	-
Mode 2	Pass	QP	432.041k	28.57	57.20	-28.63	Neutral	-
Mode 2	Pass	AV	432.041k	22.50	47.20	-24.70	Neutral	"Worst"
Mode 2	Pass	QP	2.265M	15.55	56.00	-40.45	Neutral	-

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 2	Pass	AV	2.265M	13.58	46.00	-32.42	Neutral	-
Mode 2	Pass	QP	3.945M	20.08	56.00	-35.92	Neutral	-
Mode 2	Pass	AV	3.945M	16.49	46.00	-29.51	Neutral	-
Mode 2	Pass	QP	7.442M	17.01	60.00	-42.99	Neutral	-
Mode 2	Pass	AV	7.442M	14.86	50.00	-35.14	Neutral	-

Conducted Emissions at Powerline_Mode 1

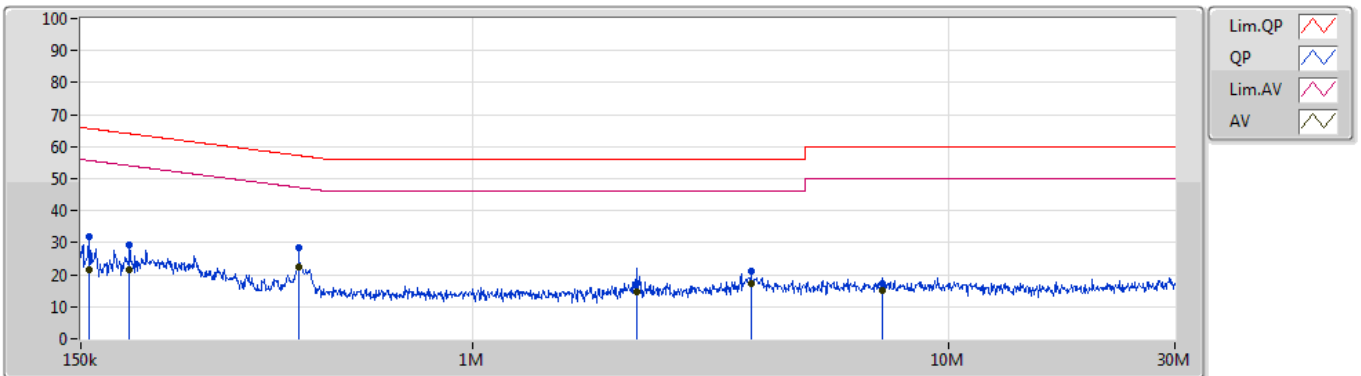
10/07/2020



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT			
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)			
QP	152.414k	31.99	65.87	-33.88	19.64	Line	-	12.35	9.66	0.11	9.87			
AV	152.414k	22.92	55.87	-32.95	19.64	Line	-	3.28	9.66	0.11	9.87			
QP	260.222k	29.43	61.43	-32.00	19.64	Line	-	9.79	9.65	0.12	9.87			
AV	260.222k	23.56	51.43	-27.87	19.64	Line	-	3.92	9.65	0.12	9.87			
QP	433.769k	30.58	57.19	-26.61	19.64	Line	-	10.94	9.64	0.13	9.87			
AV	433.769k	24.41	47.19	-22.78	19.64	Line	"Worst"	4.77	9.64	0.13	9.87			
QP	2.185M	17.26	56.00	-38.74	19.67	Line	-	-2.41	9.65	0.15	9.87			
AV	2.185M	14.50	46.00	-31.50	19.67	Line	-	-5.17	9.65	0.15	9.87			
QP	3.715M	21.13	56.00	-34.87	19.72	Line	-	1.41	9.66	0.18	9.88			
AV	3.715M	17.27	46.00	-28.73	19.72	Line	-	-2.45	9.66	0.18	9.88			
QP	7.412M	17.86	60.00	-42.14	19.80	Line	-	-1.94	9.68	0.24	9.88			
AV	7.412M	15.29	50.00	-34.71	19.80	Line	-	-4.51	9.68	0.24	9.88			

Conducted Emissions at Powerline_Mode 1

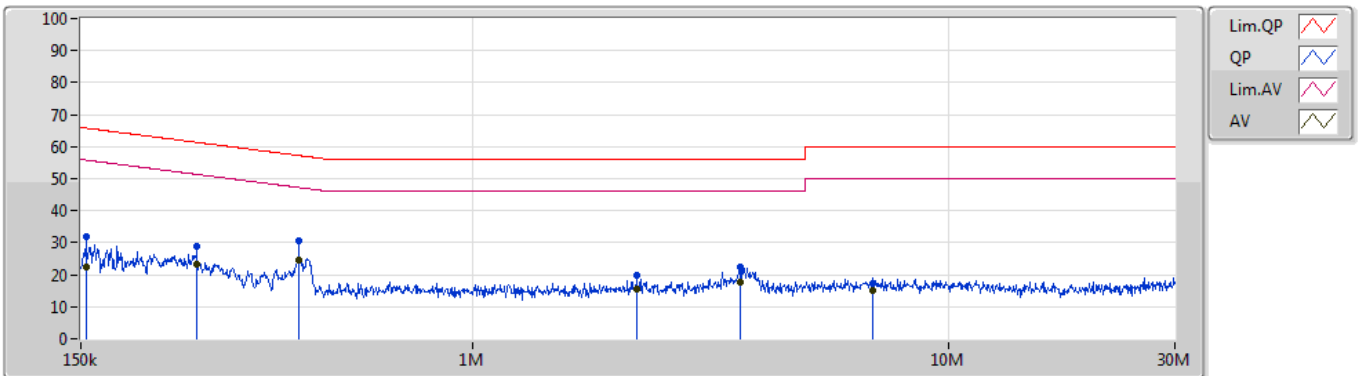
10/07/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	156.109k	32.10	65.67	-33.57	19.63	Neutral	-	12.47	9.65	0.11	9.87			
AV	156.109k	21.67	55.67	-34.00	19.63	Neutral	-	2.04	9.65	0.11	9.87			
QP	189.837k	29.11	64.05	-34.94	19.62	Neutral	-	9.49	9.64	0.11	9.87			
AV	189.837k	21.76	54.05	-32.29	19.62	Neutral	-	2.14	9.64	0.11	9.87			
QP	432.041k	28.65	57.20	-28.55	19.63	Neutral	-	9.02	9.63	0.13	9.87			
AV	432.041k	22.59	47.20	-24.61	19.63	Neutral	"Worst"	2.96	9.63	0.13	9.87			
QP	2.211M	17.34	56.00	-38.66	19.67	Neutral	-	-2.33	9.65	0.15	9.87			
AV	2.211M	14.45	46.00	-31.55	19.67	Neutral	-	-5.22	9.65	0.15	9.87			
QP	3.851M	21.11	56.00	-34.89	19.72	Neutral	-	1.39	9.66	0.18	9.88			
AV	3.851M	17.35	46.00	-28.65	19.72	Neutral	-	-2.37	9.66	0.18	9.88			
QP	7.294M	17.35	60.00	-42.65	19.81	Neutral	-	-2.46	9.69	0.24	9.88			
AV	7.294M	14.99	50.00	-35.01	19.81	Neutral	-	-4.82	9.69	0.24	9.88			

Conducted Emissions at Powerline_Mode 2

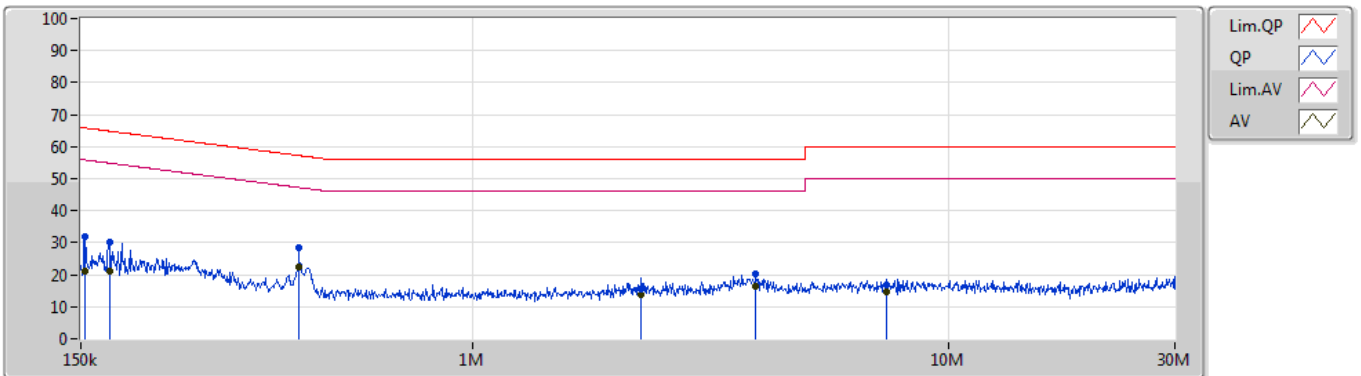
10/07/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.636k	31.85	65.81	-33.96	19.64	Line	-	12.21	9.66	0.11	9.87			
AV	153.636k	22.35	55.81	-33.46	19.64	Line	-	2.71	9.66	0.11	9.87			
QP	262.308k	28.89	61.35	-32.46	19.64	Line	-	9.25	9.65	0.12	9.87			
AV	262.308k	23.14	51.35	-28.21	19.64	Line	-	3.50	9.65	0.12	9.87			
QP	432.041k	30.47	57.20	-26.73	19.64	Line	-	10.83	9.64	0.13	9.87			
AV	432.041k	24.46	47.20	-22.74	19.64	Line	"Worst"	4.82	9.64	0.13	9.87			
QP	2.211M	19.66	56.00	-36.34	19.67	Line	-	-0.01	9.65	0.15	9.87			
AV	2.211M	15.56	46.00	-30.44	19.67	Line	-	-4.11	9.65	0.15	9.87			
QP	3.656M	22.26	56.00	-33.74	19.71	Line	-	2.55	9.66	0.17	9.88			
AV	3.656M	17.85	46.00	-28.15	19.71	Line	-	-1.86	9.66	0.17	9.88			
QP	6.953M	17.43	60.00	-42.57	19.79	Line	-	-2.36	9.68	0.23	9.88			
AV	6.953M	15.23	50.00	-34.77	19.79	Line	-	-4.56	9.68	0.23	9.88			

Conducted Emissions at Powerline_Mode 2

10/07/2020



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)			
QP	153.024k	32.02	65.83	-33.81	19.63	Neutral	-	12.39	9.65	0.11	9.87			
AV	153.024k	21.31	55.83	-34.52	19.63	Neutral	-	1.68	9.65	0.11	9.87			
QP	172.493k	30.17	64.83	-34.66	19.63	Neutral	-	10.54	9.65	0.11	9.87			
AV	172.493k	20.91	54.83	-33.92	19.63	Neutral	-	1.28	9.65	0.11	9.87			
QP	432.041k	28.57	57.20	-28.63	19.63	Neutral	-	8.94	9.63	0.13	9.87			
AV	432.041k	22.50	47.20	-24.70	19.63	Neutral	"Worst"	2.87	9.63	0.13	9.87			
QP	2.265M	15.55	56.00	-40.45	19.67	Neutral	-	-4.12	9.65	0.15	9.87			
AV	2.265M	13.58	46.00	-32.42	19.67	Neutral	-	-6.09	9.65	0.15	9.87			
QP	3.945M	20.08	56.00	-35.92	19.72	Neutral	-	0.36	9.66	0.18	9.88			
AV	3.945M	16.49	46.00	-29.51	19.72	Neutral	-	-3.23	9.66	0.18	9.88			
QP	7.442M	17.01	60.00	-42.99	19.81	Neutral	-	-2.80	9.69	0.24	9.88			
AV	7.442M	14.86	50.00	-35.14	19.81	Neutral	-	-4.95	9.69	0.24	9.88			

Summary

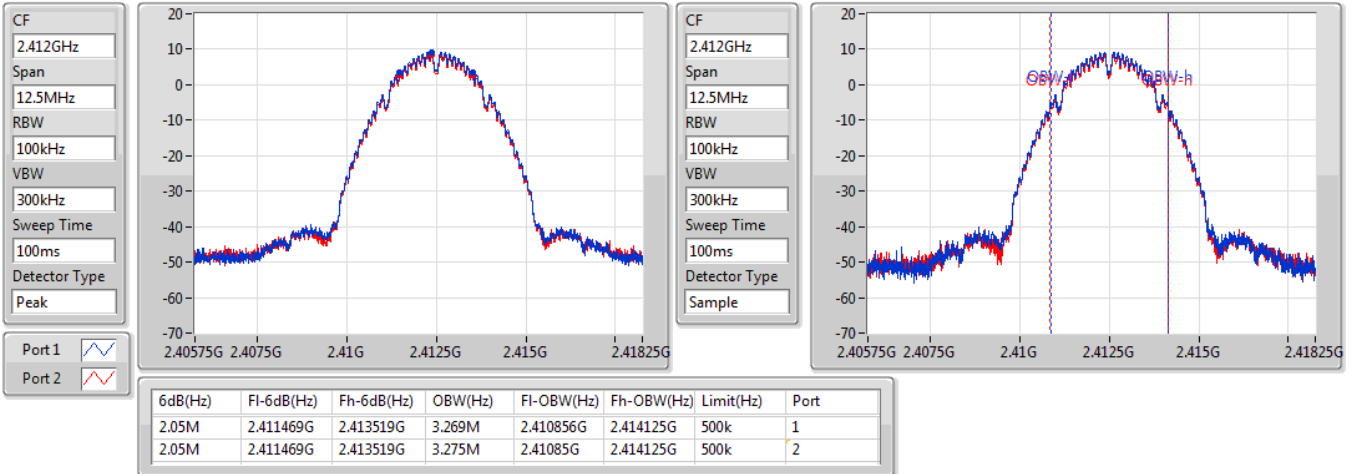
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
11b-5M_Nss1,(1Mbps)_2TX	2.175M	3.475M	3M48G1D	2.05M	3.244M
11b-10M_Nss1,(1Mbps)_2TX	2.288M	3.663M	3M66G1D	2.05M	3.325M
11b-20M_Nss1,(1Mbps)_2TX	8.05M	13.15M	13M1G1D	7.55M	12.975M
11g-5M_Nss1,(6Mbps)_2TX	4.094M	6.994M	6M99D1D	4.075M	4.15M
11g-10M_Nss1,(6Mbps)_2TX	8.225M	12.038M	12M0D1D	8.163M	8.413M
11g-20M_Nss1,(6Mbps)_2TX	16.3M	16.55M	16M5D1D	15.4M	16.475M
11n-5M_Nss1,(MCS0)_2TX	4.413M	6.553M	6M55D1D	4.381M	4.438M
11n-10M_Nss1,(MCS0)_2TX	4.475M	4.75M	4M75D1D	4.4M	4.7M
802.11n HT20_Nss1,(MCS0)_2TX	16.625M	17.9M	17M9D1D	15.65M	17.625M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.8M	36M8D1D	35.05M	36.25M

Result

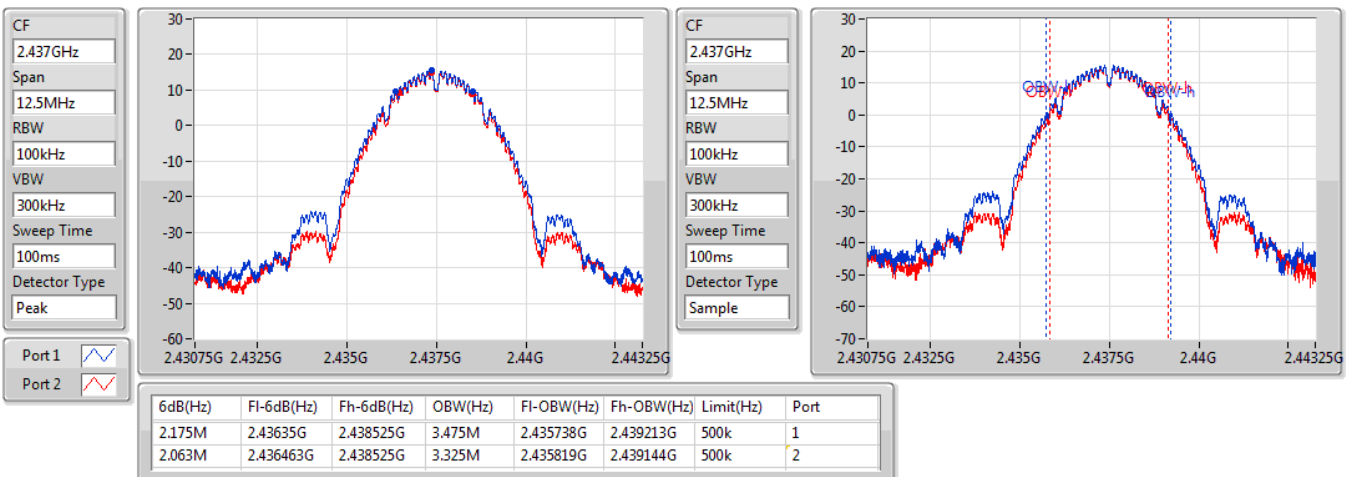
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.05M	3.269M	2.05M	3.275M
2437MHz	Pass	500k	2.175M	3.475M	2.063M	3.325M
2462MHz	Pass	500k	2.05M	3.244M	2.05M	3.256M
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.05M	3.35M	2.05M	3.35M
2437MHz	Pass	500k	2.288M	3.663M	2.175M	3.488M
2462MHz	Pass	500k	2.05M	3.325M	2.05M	3.338M
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	13.075M	8.05M	13.1M
2437MHz	Pass	500k	7.55M	13.075M	7.55M	12.975M
2462MHz	Pass	500k	8M	13.15M	7.575M	13.125M
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.081M	4.156M	4.081M	4.15M
2437MHz	Pass	500k	4.094M	6.994M	4.081M	5.731M
2462MHz	Pass	500k	4.075M	6.45M	4.088M	4.263M
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.2M	8.438M	8.175M	8.425M
2437MHz	Pass	500k	8.225M	12.038M	8.163M	8.875M
2462MHz	Pass	500k	8.175M	8.463M	8.163M	8.413M
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.5M	16.3M	16.525M
2437MHz	Pass	500k	15.7M	16.475M	15.4M	16.5M
2462MHz	Pass	500k	15.675M	16.525M	16.05M	16.55M
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.394M	4.45M	4.406M	4.438M
2437MHz	Pass	500k	4.394M	6.553M	4.388M	4.823M
2462MHz	Pass	500k	4.413M	6.3M	4.381M	4.506M
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.475M	4.738M	4.425M	4.7M
2437MHz	Pass	500k	4.413M	4.75M	4.425M	4.7M
2462MHz	Pass	500k	4.45M	4.725M	4.4M	4.725M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	17.625M	16.5M	17.65M
2437MHz	Pass	500k	15.65M	17.9M	15.925M	17.65M
2462MHz	Pass	500k	15.9M	17.675M	16.625M	17.675M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.45M	36.35M	35.05M	36.5M
2437MHz	Pass	500k	35.05M	36.25M	35.1M	36.3M
2452MHz	Pass	500k	36.3M	36.8M	35.45M	36.65M

11b-5M_Nss1,(1Mbps)_2TX
EBW
2412MHz

27/01/2021

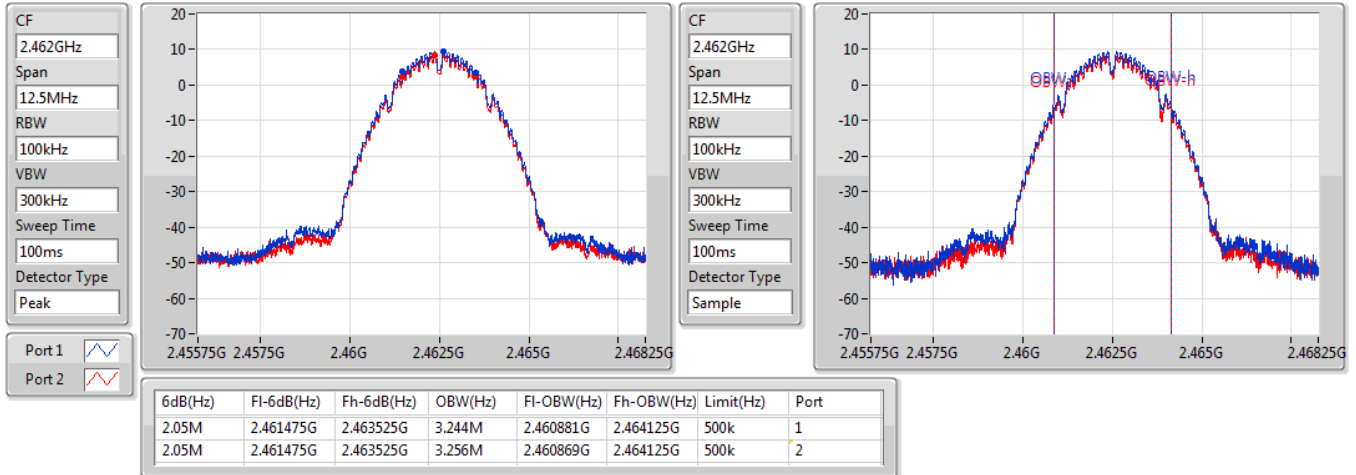

11b-5M_Nss1,(1Mbps)_2TX
EBW
2437MHz

27/01/2021

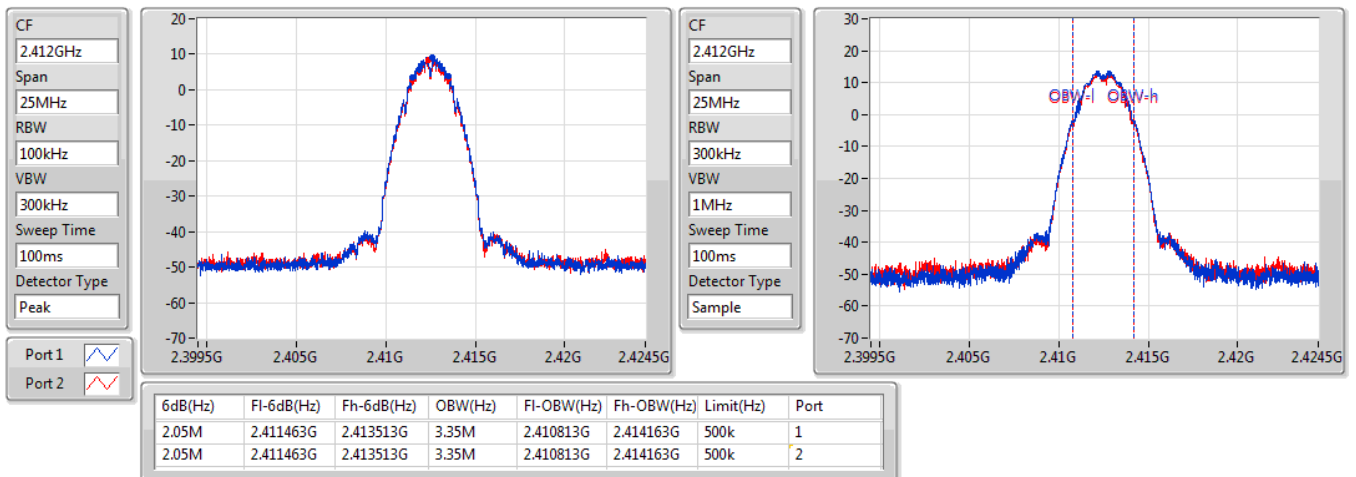


11b-5M_Nss1,(1Mbps)_2TX
EBW
2462MHz

27/01/2021

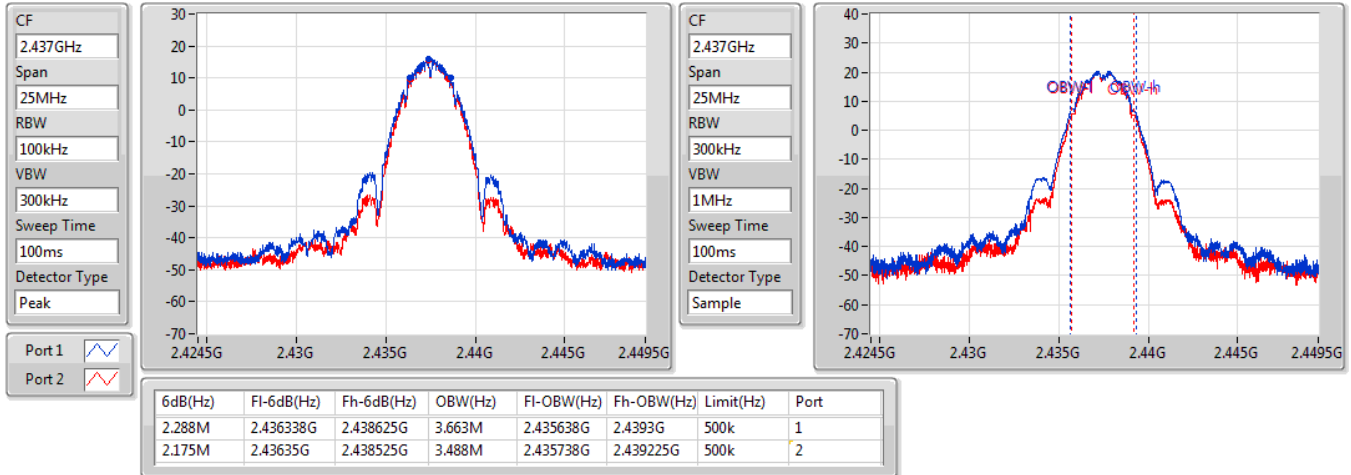

11b-10M_Nss1,(1Mbps)_2TX
EBW
2412MHz

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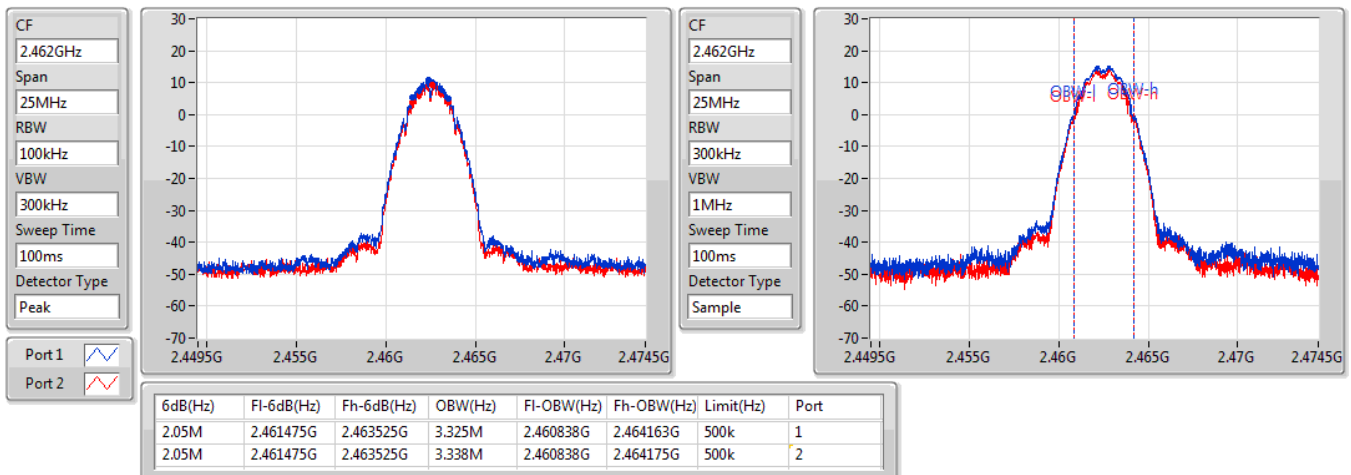


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EBW
2437MHz

27/01/2021

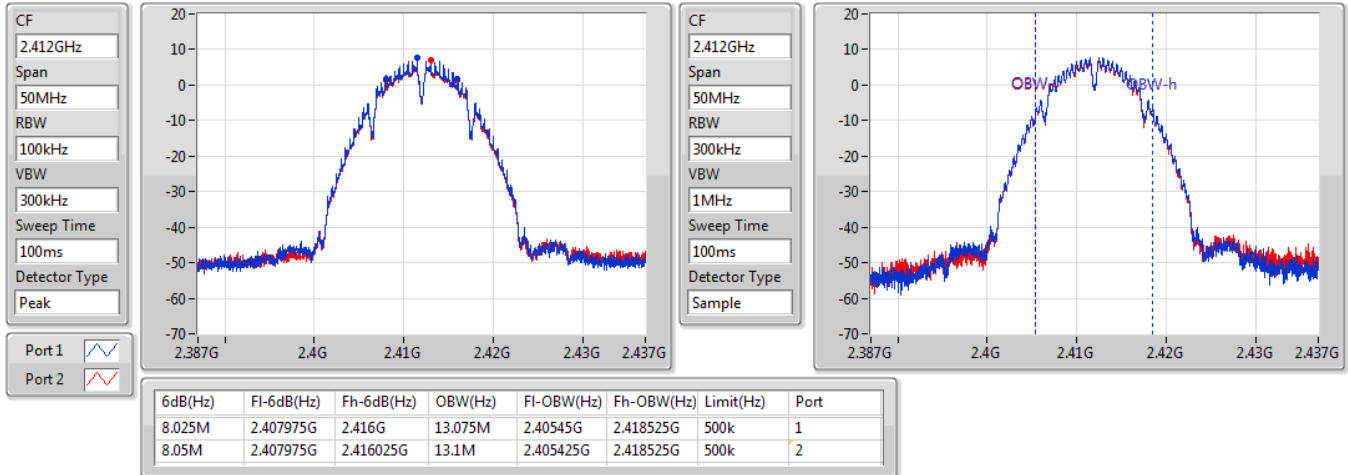

11b-10M_Nss1,(1Mbps)_2TX
EBW
2462MHz

27/01/2021

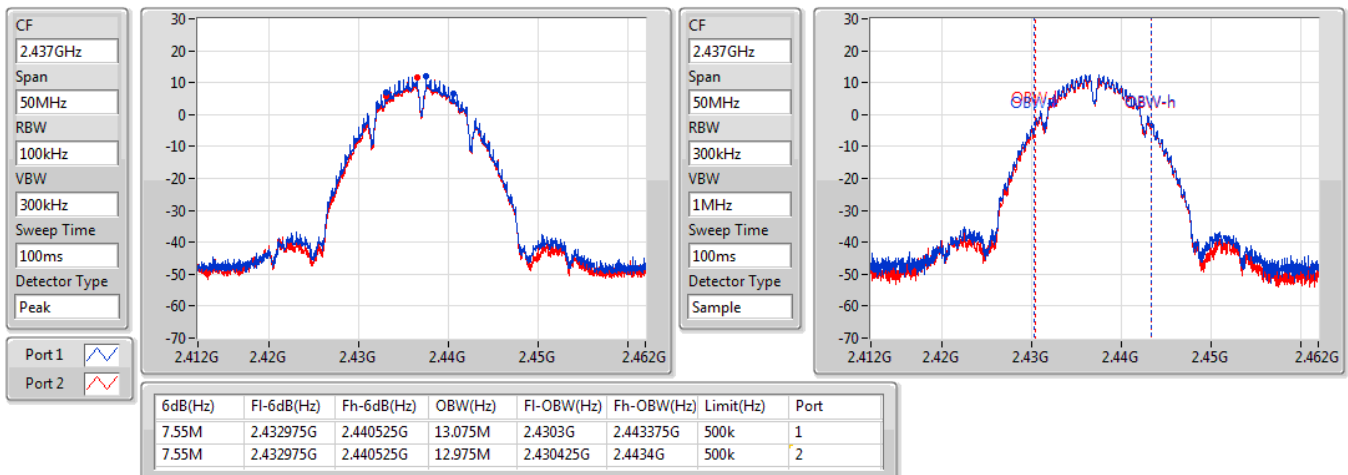


11b-20M_Nss1,(1Mbps)_2TX
EBW
2412MHz

27/01/2021

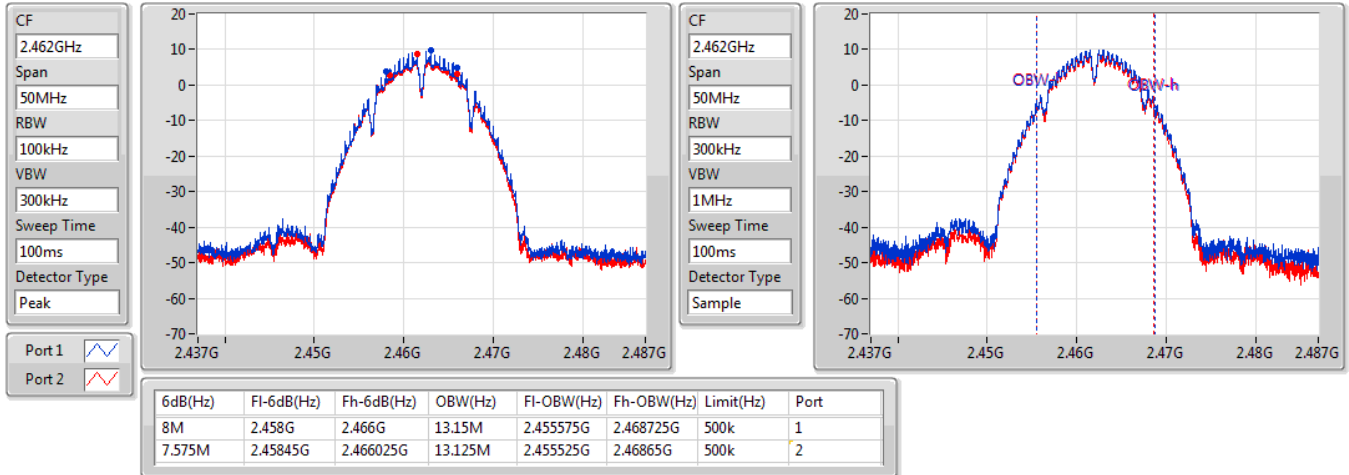

11b-20M_Nss1,(1Mbps)_2TX
EBW
2437MHz

27/01/2021

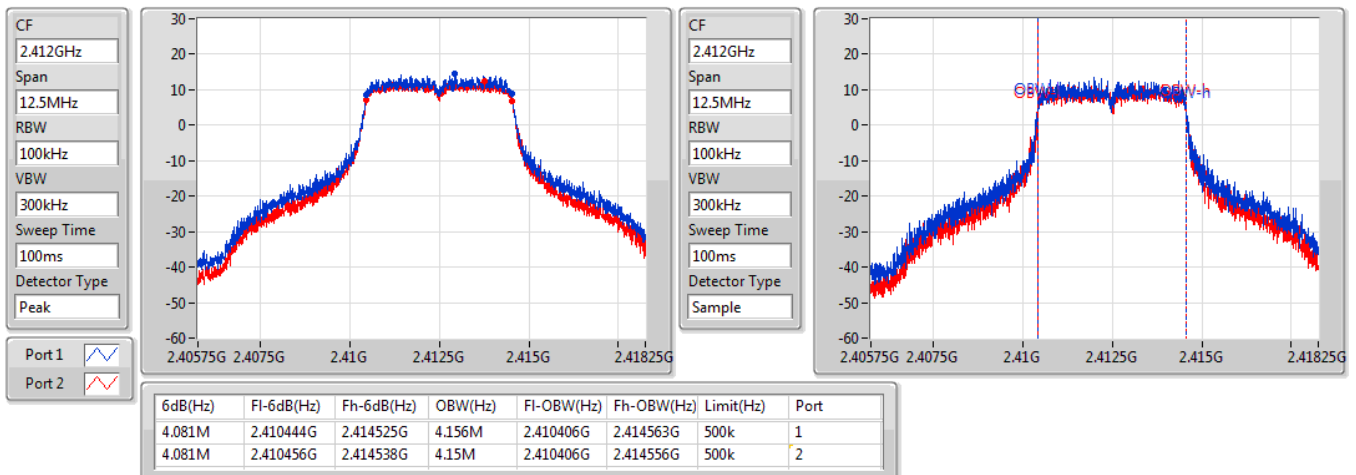


11b-20M_Nss1,(1Mbps)_2TX
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2462MHz

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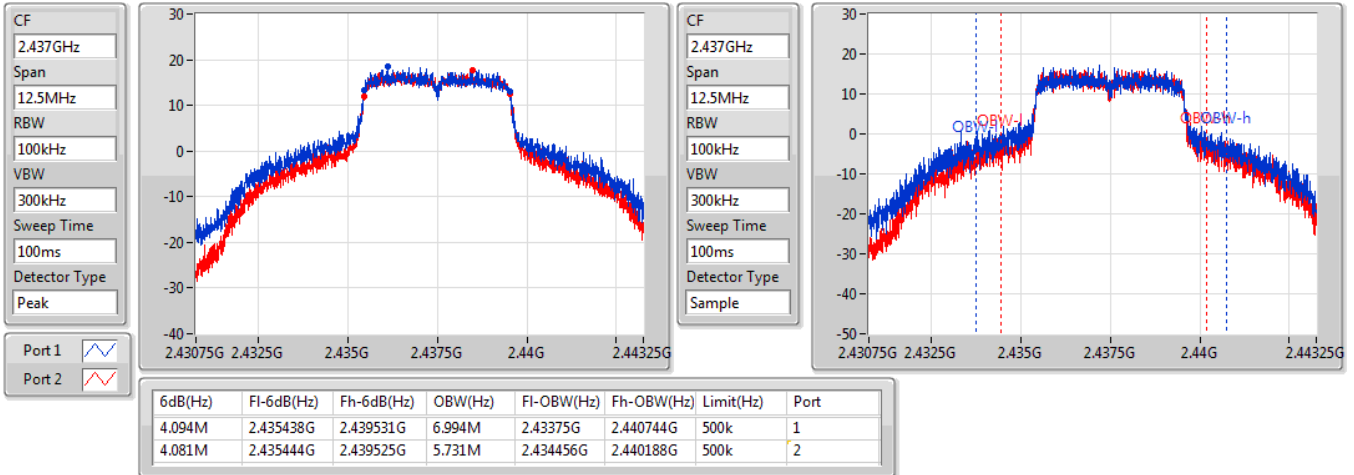

11g-5M_Nss1,(6Mbps)_2TX
EBW
2412MHz

27/01/2021

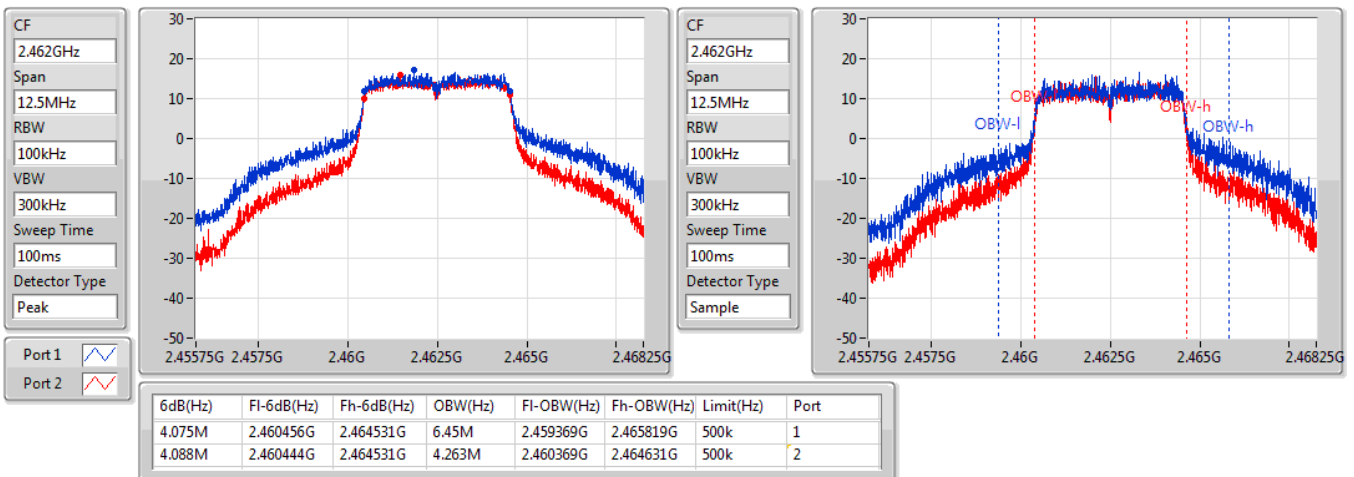


11g-5M_Nss1,(6Mbps)_2TX
EBW
2437MHz

27/01/2021

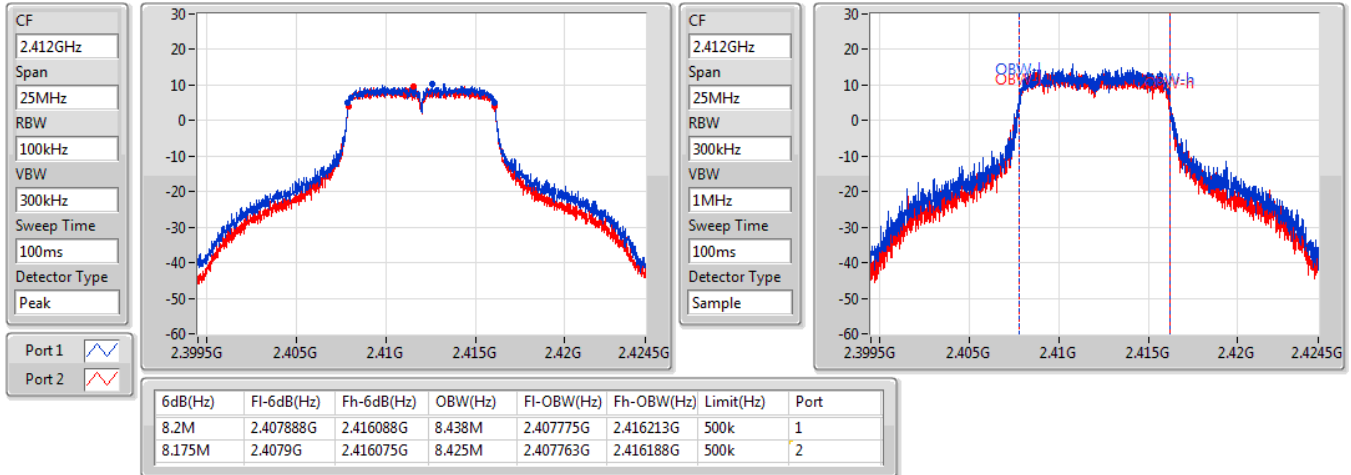

11g-5M_Nss1,(6Mbps)_2TX
EBW
2462MHz

27/01/2021

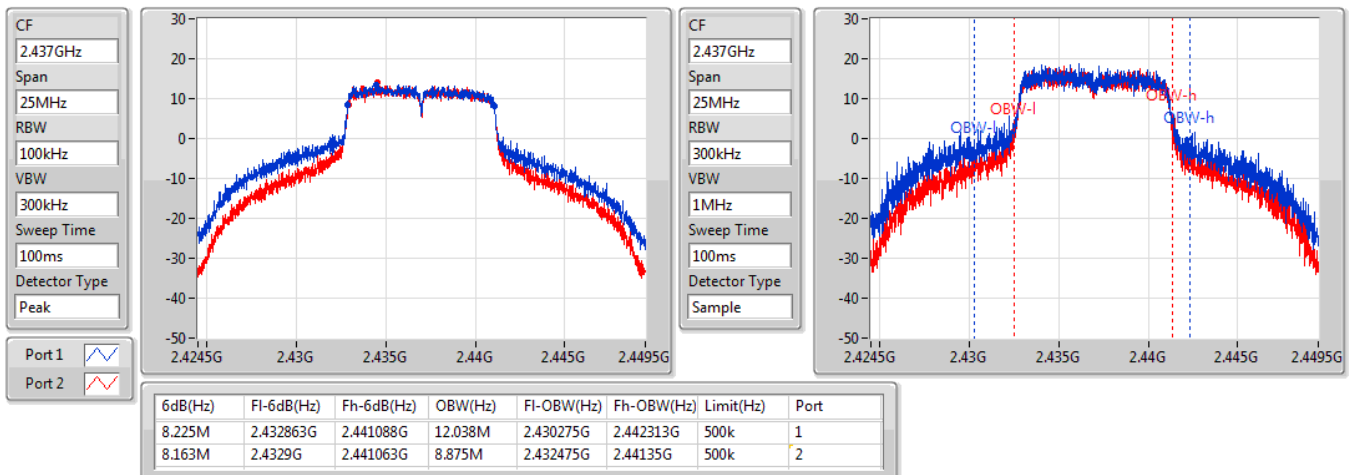


11g-10M_Nss1,(6Mbps)_2TX
EBW
2412MHz

27/01/2021

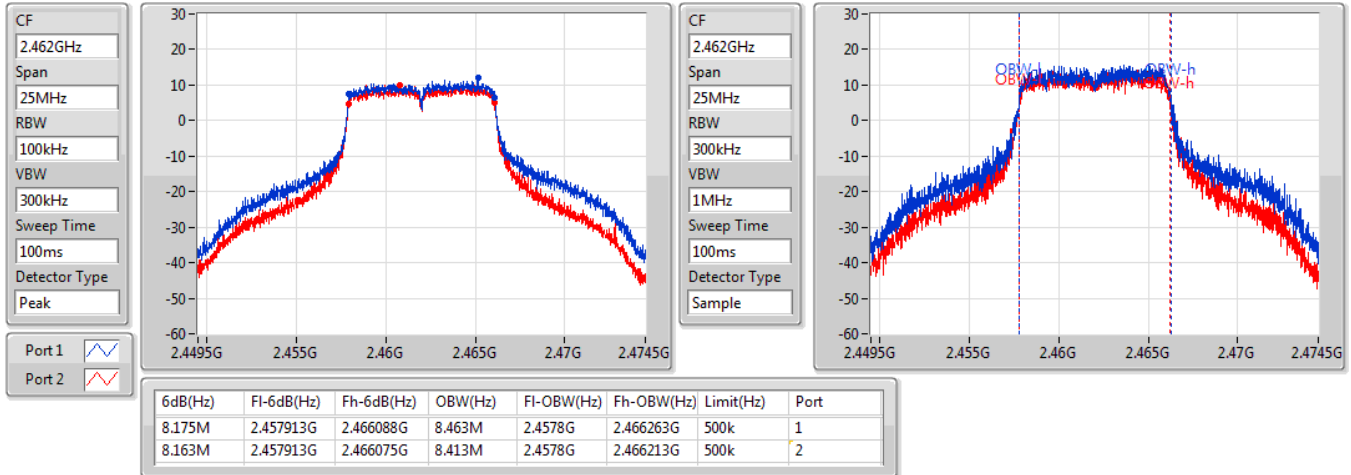

11g-10M_Nss1,(6Mbps)_2TX
EBW
2437MHz

27/01/2021

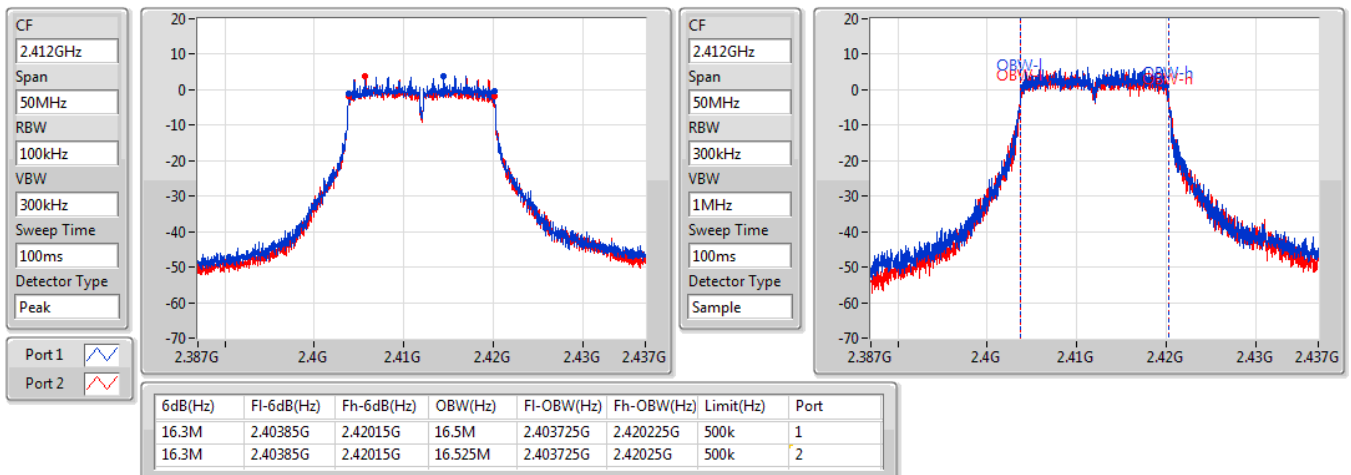


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EBW
2462MHz

27/01/2021

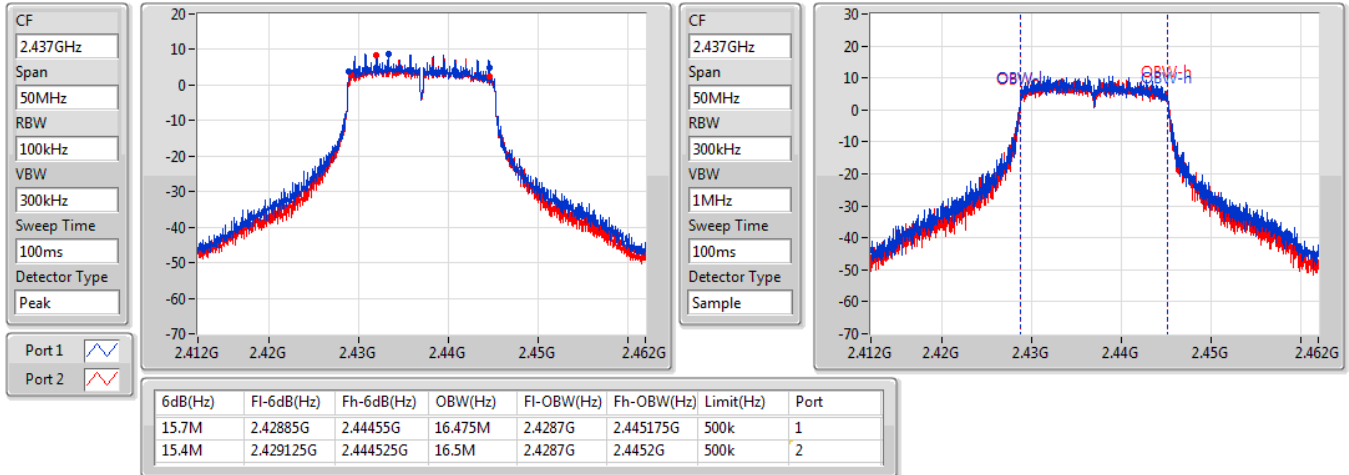

11g-20M_Nss1,(6Mbps)_2TX
EBW
2412MHz

27/01/2021

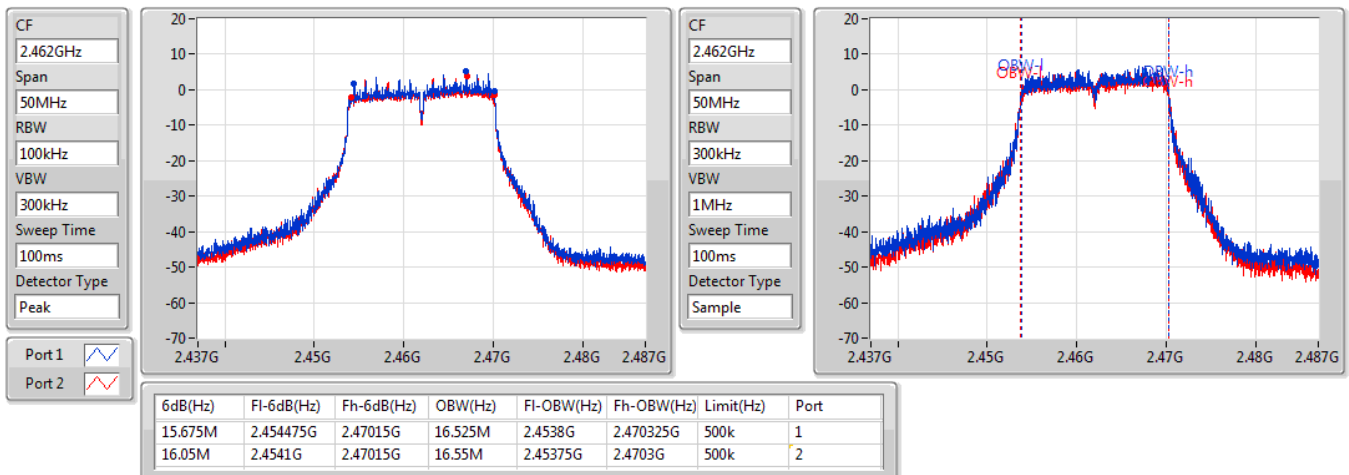


11g-20M_Nss1,(6Mbps)_2TX
EBW
2437MHz

27/01/2021

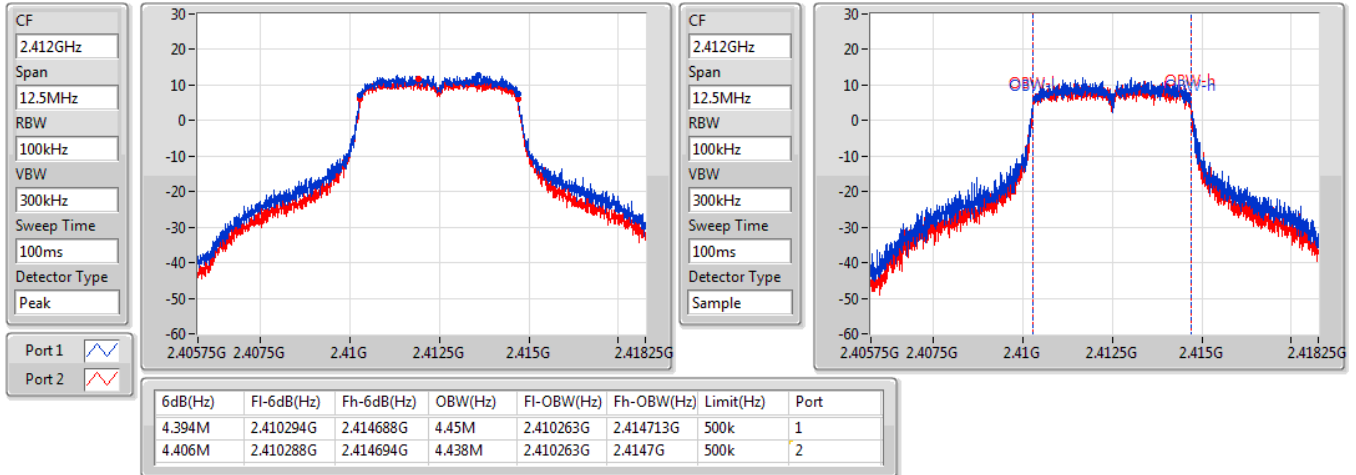

11g-20M_Nss1,(6Mbps)_2TX
EBW
2462MHz

27/01/2021

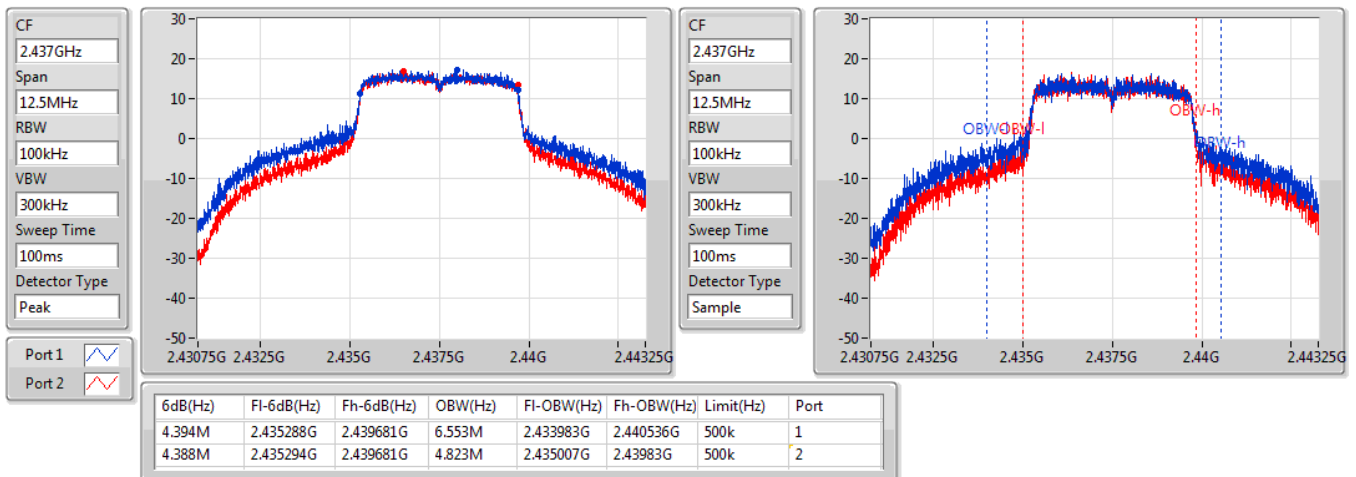


11n-5M_Nss1,(MCS0)_2TX
EBW
2412MHz

28/01/2021

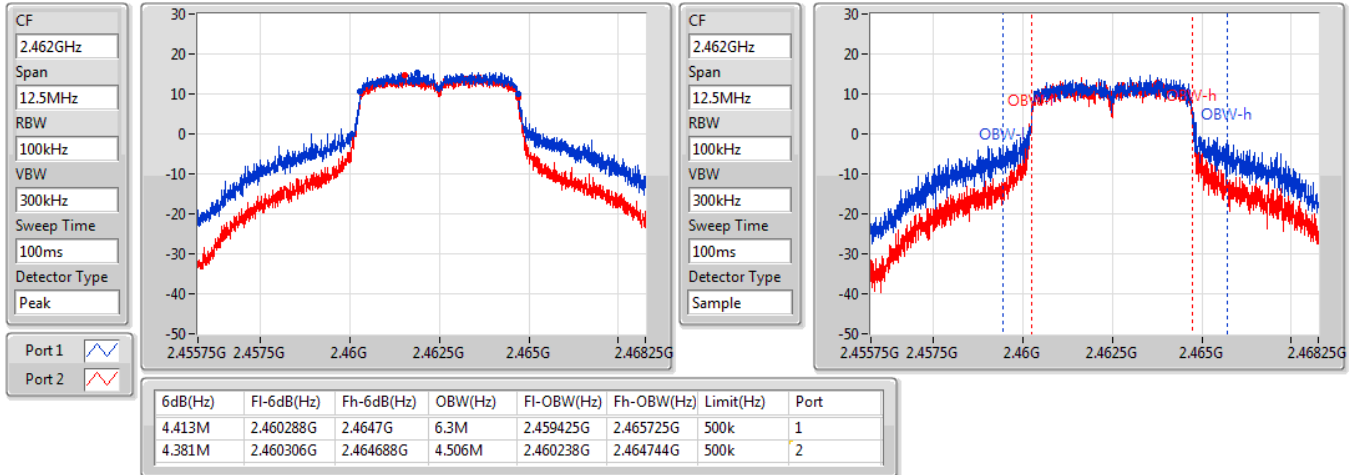

11n-5M_Nss1,(MCS0)_2TX
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2437MHz

18/02/2021

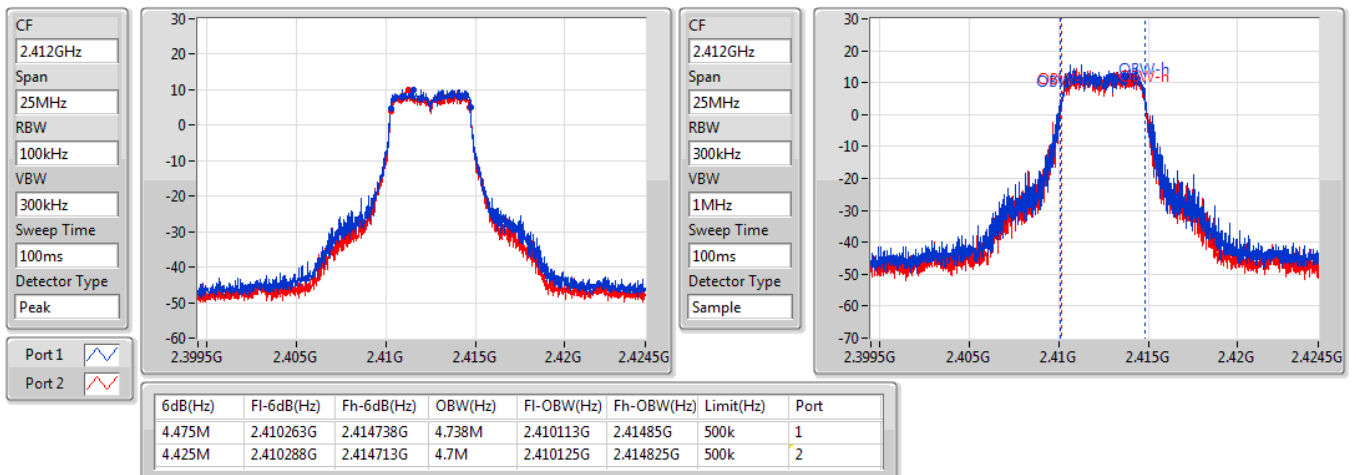


11n-5M_Nss1,(MCS0)_2TX
EBW
2462MHz

28/01/2021

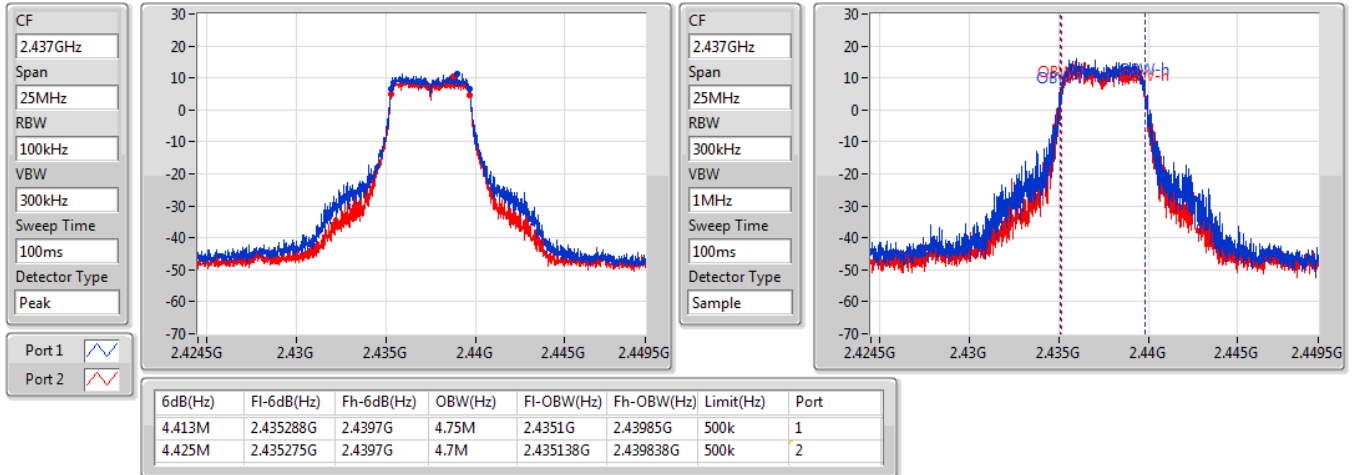

11n-10M_Nss1,(MCS0)_2TX
EBW
2412MHz

28/01/2021

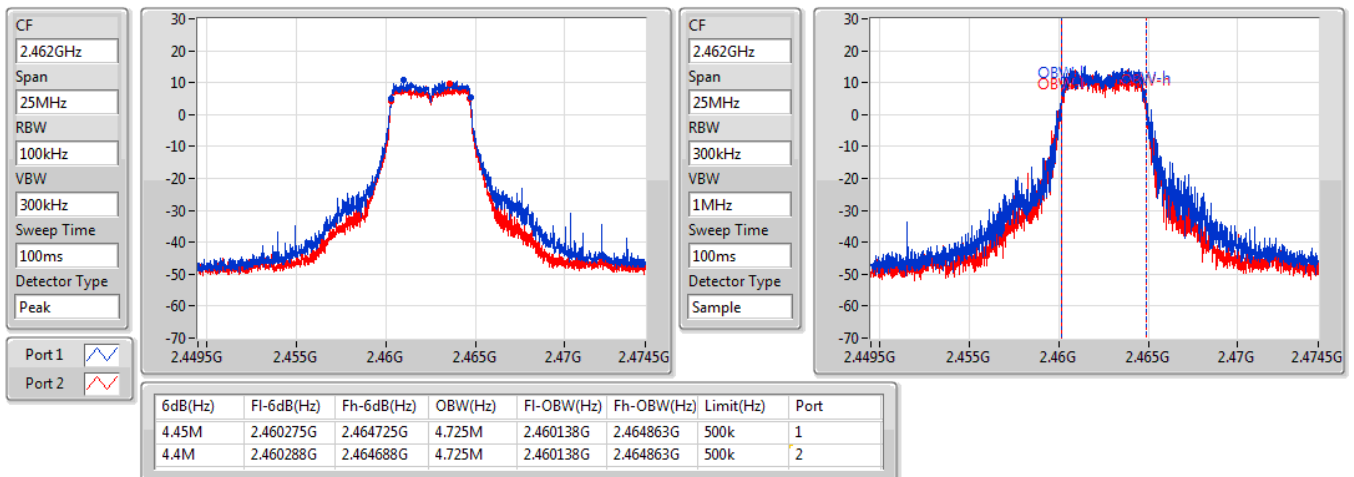


11n-10M_Nss1,(MCS0)_2TX
EBW
2437MHz

28/01/2021

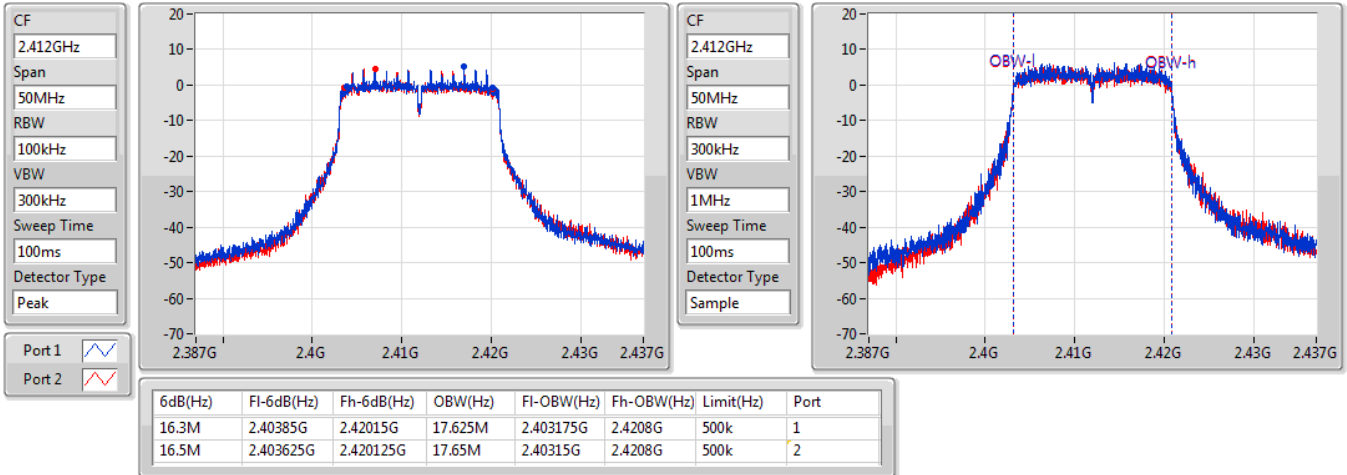

11n-10M_Nss1,(MCS0)_2TX
EBW
2462MHz

28/01/2021

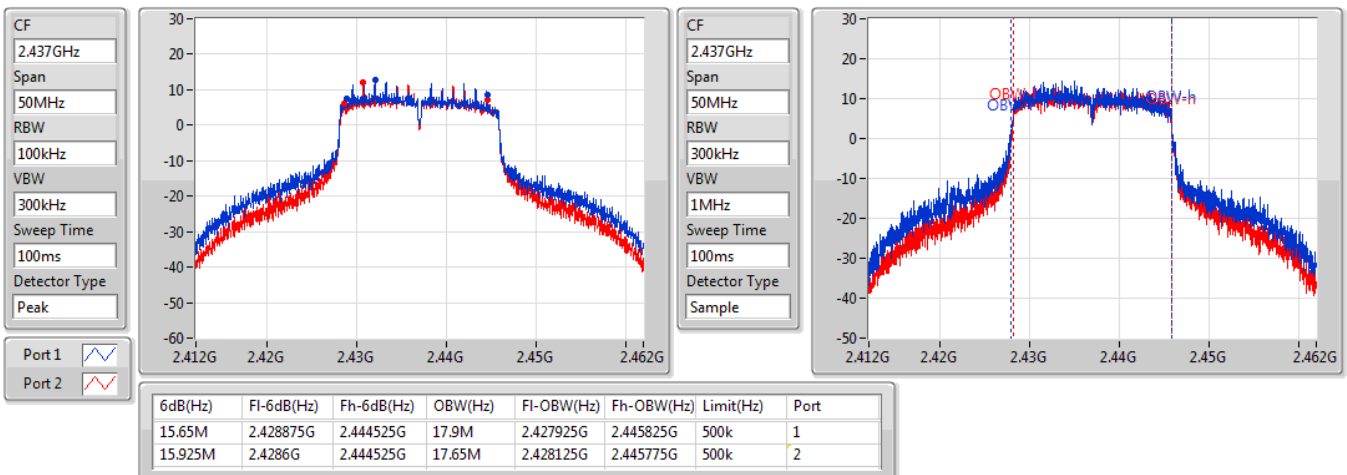


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

27/01/2021

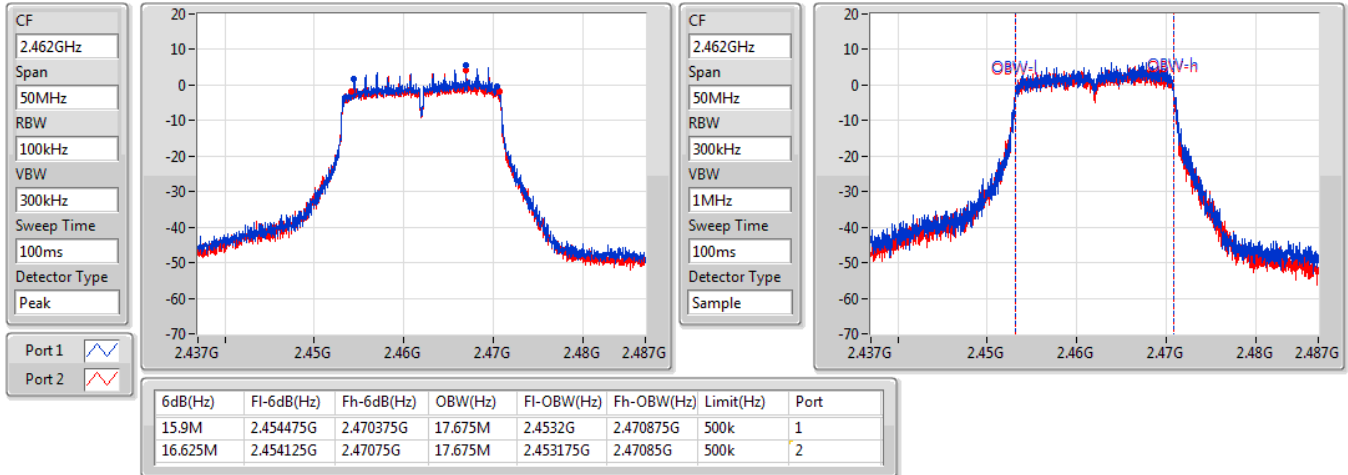

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

27/01/2021

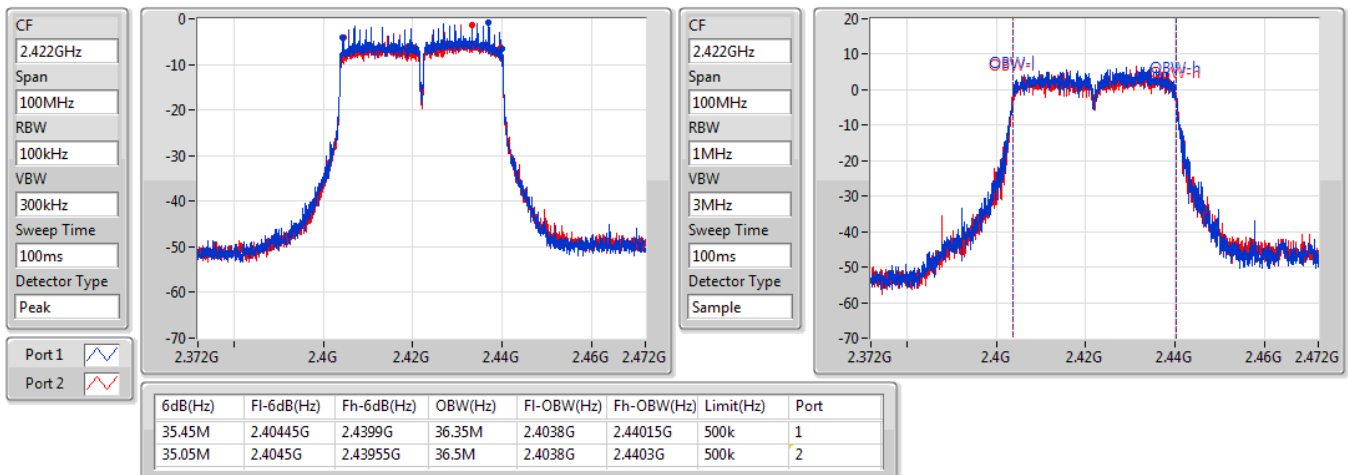


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

27/01/2021

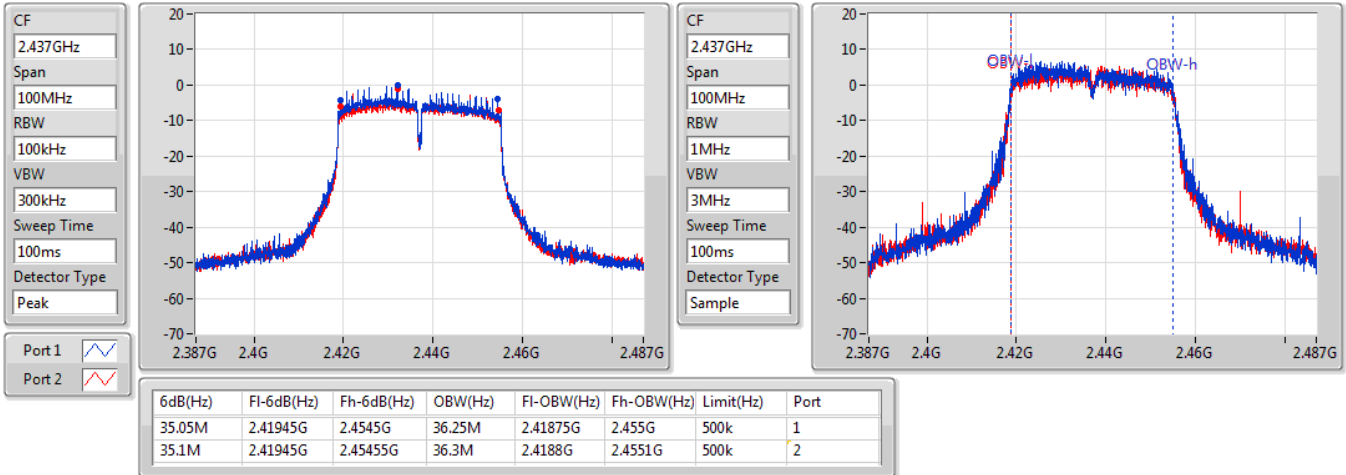

802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

27/01/2021

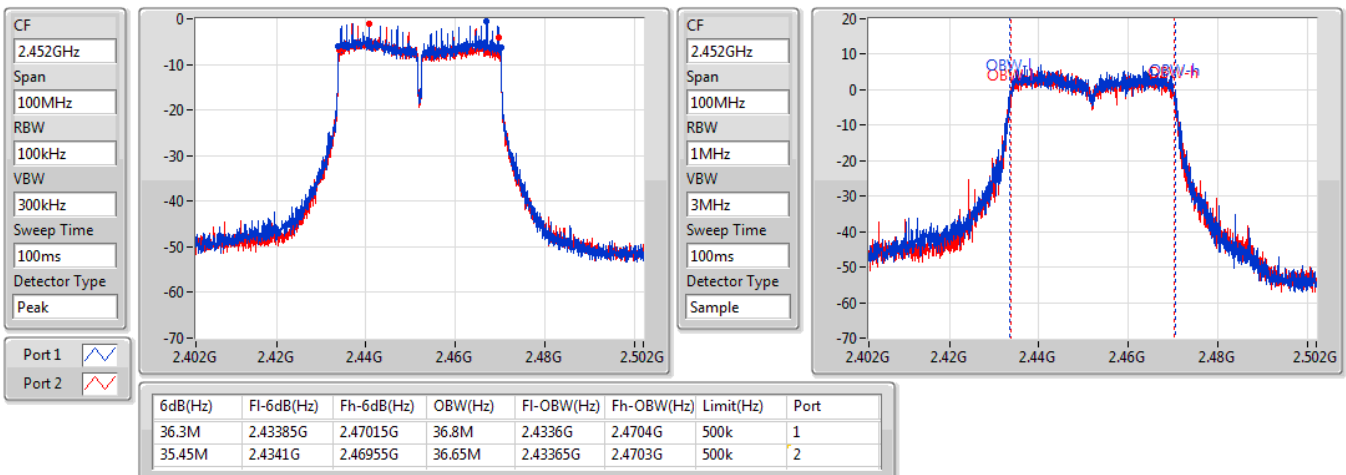


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

27/01/2021


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

27/01/2021



Summary

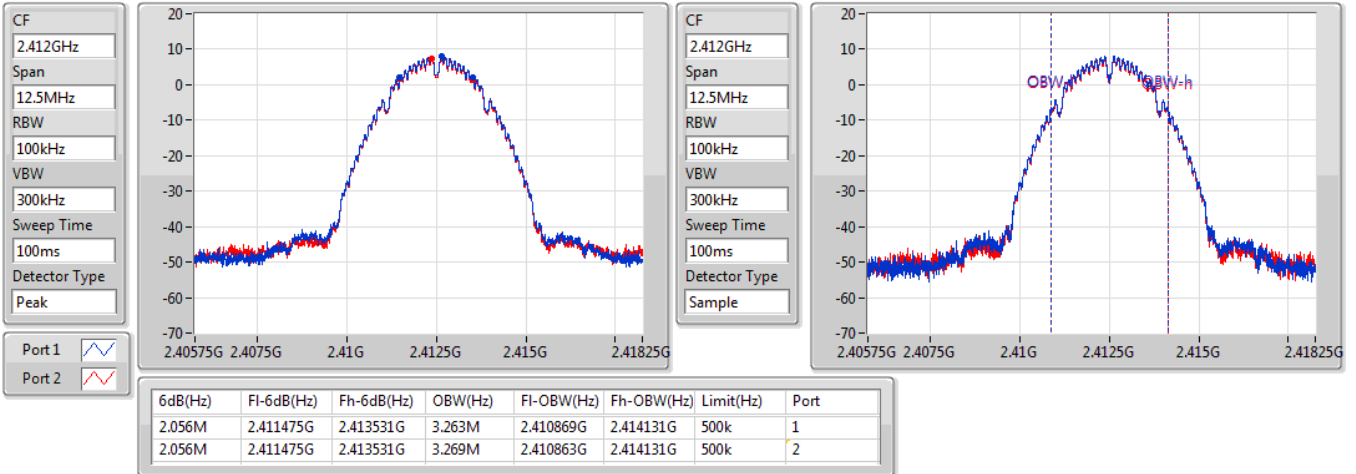
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
11b-5M_Nss1,(1Mbps)_2TX	2.288M	3.575M	3M58G1D	2.05M	3.256M
11b-10M_Nss1,(1Mbps)_2TX	2.288M	3.613M	3M61G1D	2.05M	3.35M
11b-20M_Nss1,(1Mbps)_2TX	8.525M	13.125M	13M1G1D	7.55M	12.925M
11g-5M_Nss1,(6Mbps)_2TX	4.1M	6.981M	6M98D1D	4.081M	4.144M
11g-10M_Nss1,(6Mbps)_2TX	8.188M	11.85M	11M8D1D	8.163M	8.4M
11g-20M_Nss1,(6Mbps)_2TX	16.3M	17.225M	17M2D1D	15.675M	16.5M
11n-5M_Nss1,(MCS0)_2TX	4.4M	6.553M	6M55D1D	4.381M	4.438M
11n-10M_Nss1,(MCS0)_2TX	8.875M	12.488M	12M5D1D	8.838M	9.1M
802.11n HT20_Nss1,(MCS0)_2TX	16.9M	18.05M	18M0D1D	15.7M	17.65M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.65M	36M6D1D	35.1M	36.2M

Result

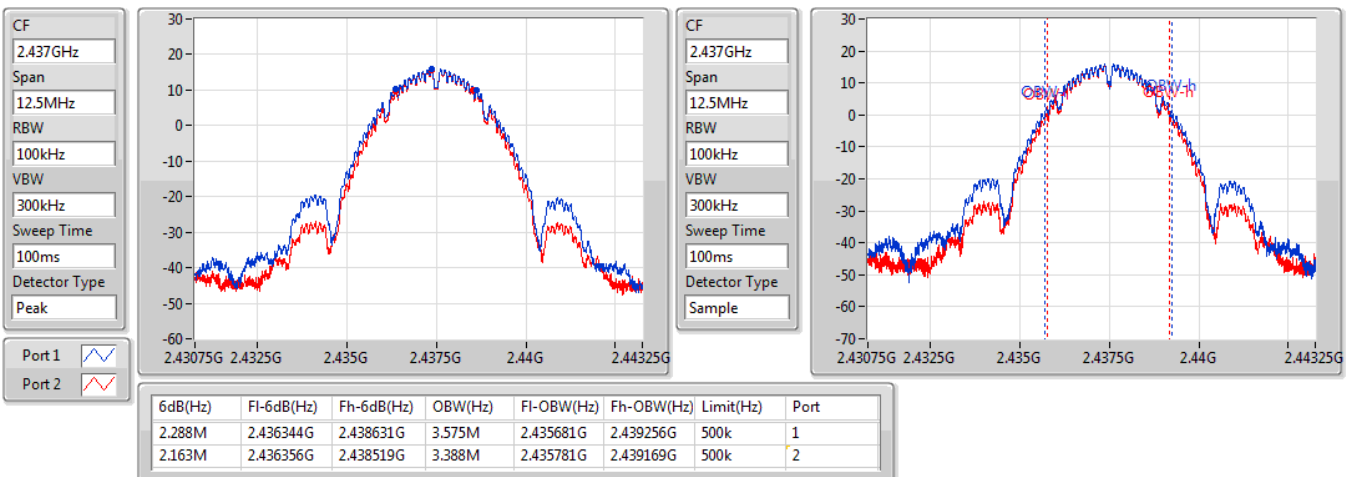
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.056M	3.263M	2.056M	3.269M
2437MHz	Pass	500k	2.288M	3.575M	2.163M	3.388M
2462MHz	Pass	500k	2.05M	3.256M	2.05M	3.263M
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.05M	3.363M	2.05M	3.375M
2437MHz	Pass	500k	2.288M	3.613M	2.063M	3.463M
2462MHz	Pass	500k	2.05M	3.363M	2.05M	3.35M
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	13.125M	8.025M	13.125M
2437MHz	Pass	500k	7.55M	12.95M	7.575M	12.925M
2462MHz	Pass	500k	8.05M	13.1M	8.525M	13.125M
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.1M	4.15M	4.088M	4.144M
2437MHz	Pass	500k	4.081M	6.981M	4.088M	6.088M
2462MHz	Pass	500k	4.094M	4.206M	4.094M	4.156M
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.175M	8.45M	8.188M	8.4M
2437MHz	Pass	500k	8.163M	11.85M	8.163M	8.875M
2462MHz	Pass	500k	8.188M	8.525M	8.188M	8.413M
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.55M	16.275M	16.575M
2437MHz	Pass	500k	15.675M	17.225M	15.925M	16.675M
2462MHz	Pass	500k	15.675M	16.5M	16.025M	16.525M
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.4M	4.438M	4.388M	4.444M
2437MHz	Pass	500k	4.388M	6.553M	4.381M	4.804M
2462MHz	Pass	500k	4.4M	4.563M	4.388M	4.444M
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.875M	9.125M	8.838M	9.138M
2437MHz	Pass	500k	8.838M	12.488M	8.838M	9.7M
2462MHz	Pass	500k	8.85M	9.475M	8.838M	9.1M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.9M	17.7M	16.525M	17.675M
2437MHz	Pass	500k	16.275M	18.05M	15.7M	17.725M
2462MHz	Pass	500k	15.85M	17.65M	16.4M	17.675M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.25M	36.45M	35.1M	36.45M
2437MHz	Pass	500k	35.1M	36.2M	35.1M	36.2M
2452MHz	Pass	500k	36.3M	36.65M	35.9M	36.6M

11b-5M_Nss1,(1Mbps)_2TX
EBW
2412MHz

28/01/2021

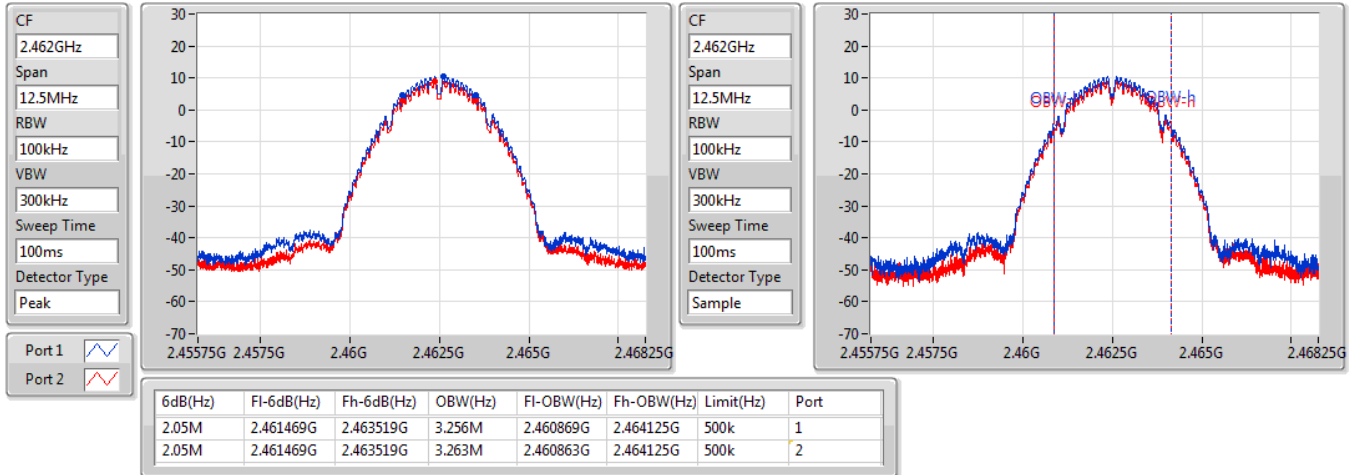

11b-5M_Nss1,(1Mbps)_2TX
EBW
2437MHz

27/01/2021

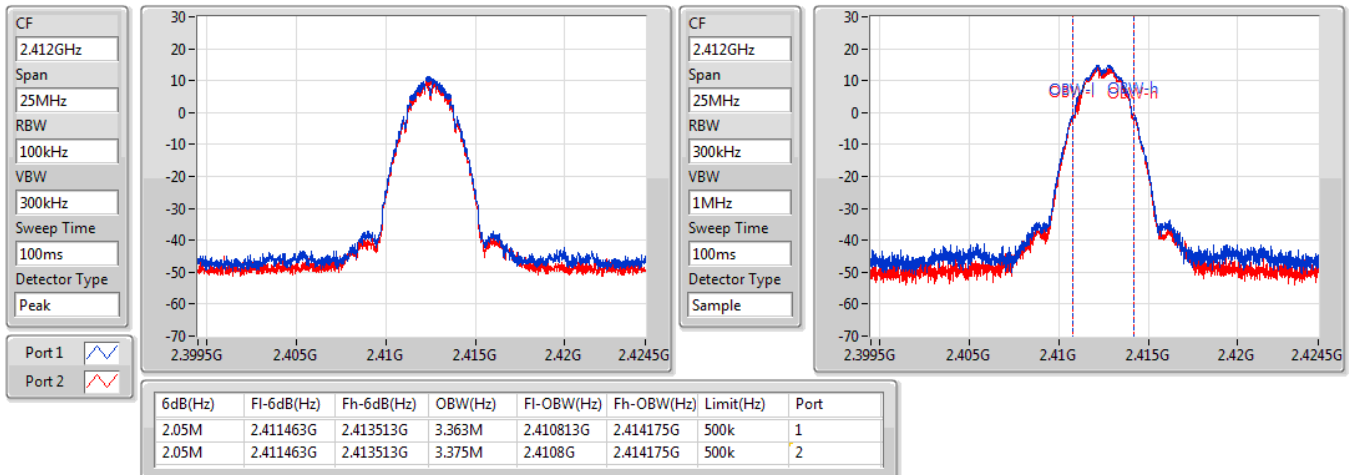


11b-5M_Nss1,(1Mbps)_2TX
EBW
2462MHz

27/01/2021

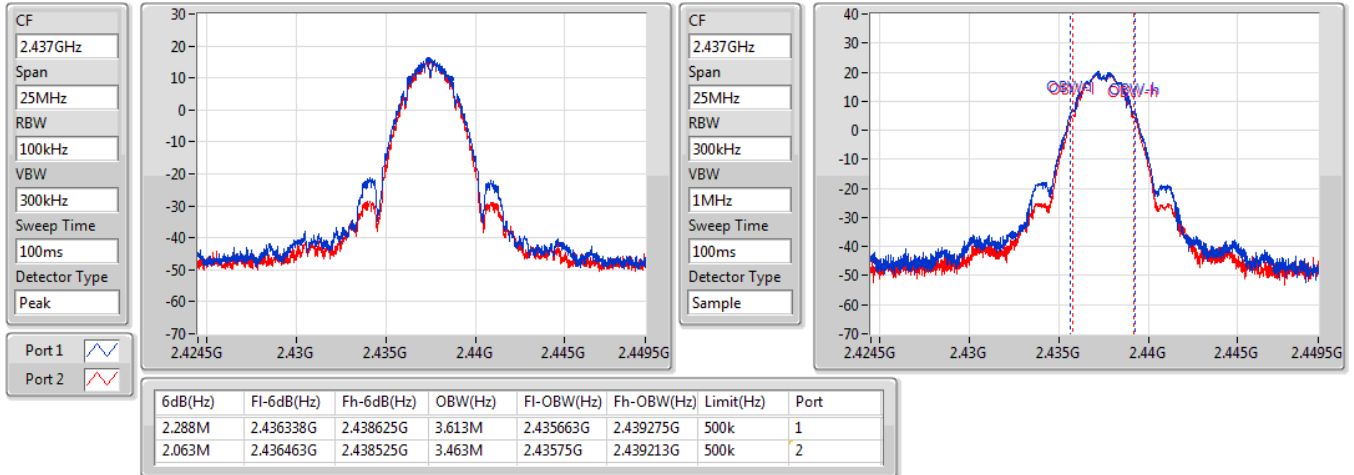

11b-10M_Nss1,(1Mbps)_2TX
EBW
2412MHz

27/01/2021

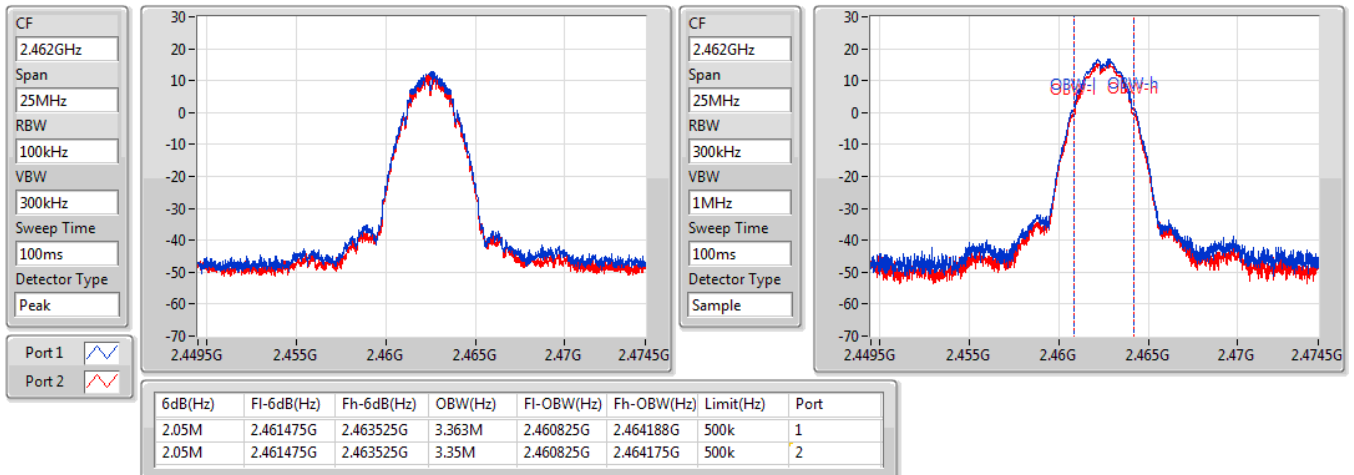


11b-10M_Nss1,(1Mbps)_2TX
EBW
2437MHz

27/01/2021

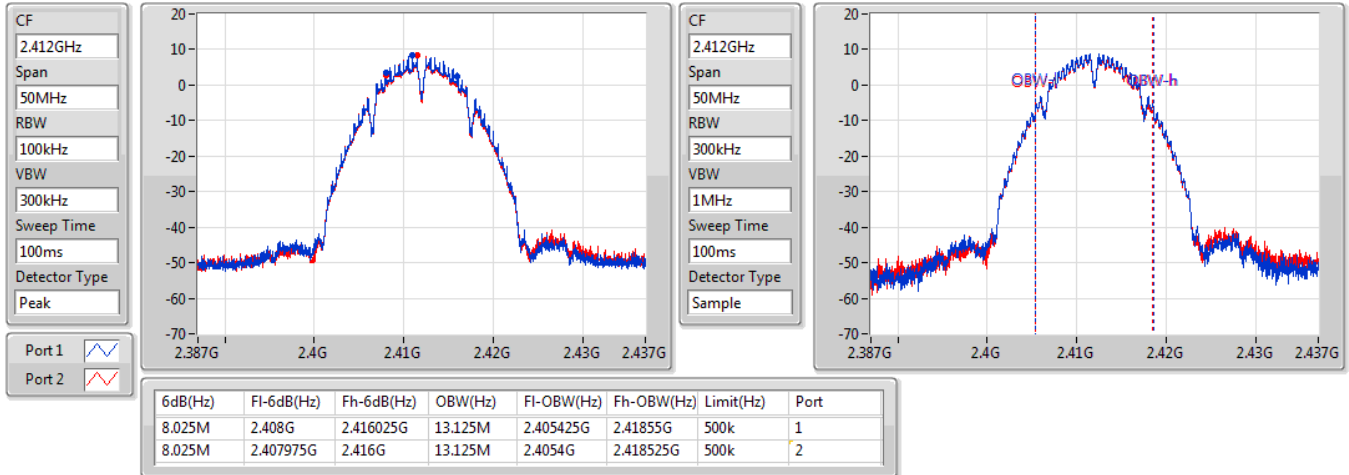

11b-10M_Nss1,(1Mbps)_2TX
EBW
2462MHz

27/01/2021

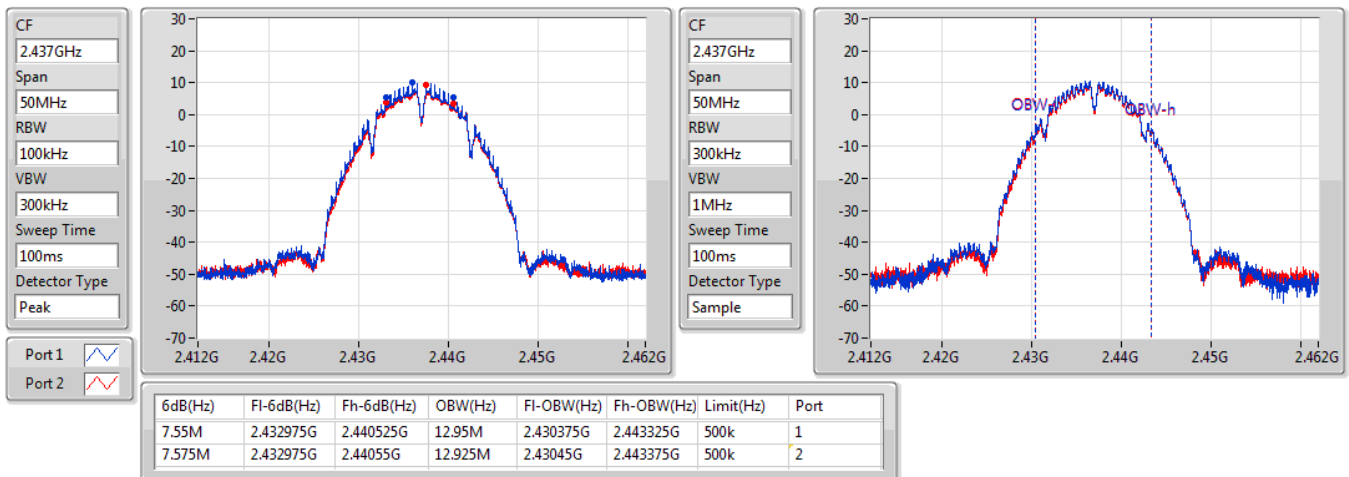


11b-20M_Nss1,(1Mbps)_2TX
EBW
2412MHz

27/01/2021

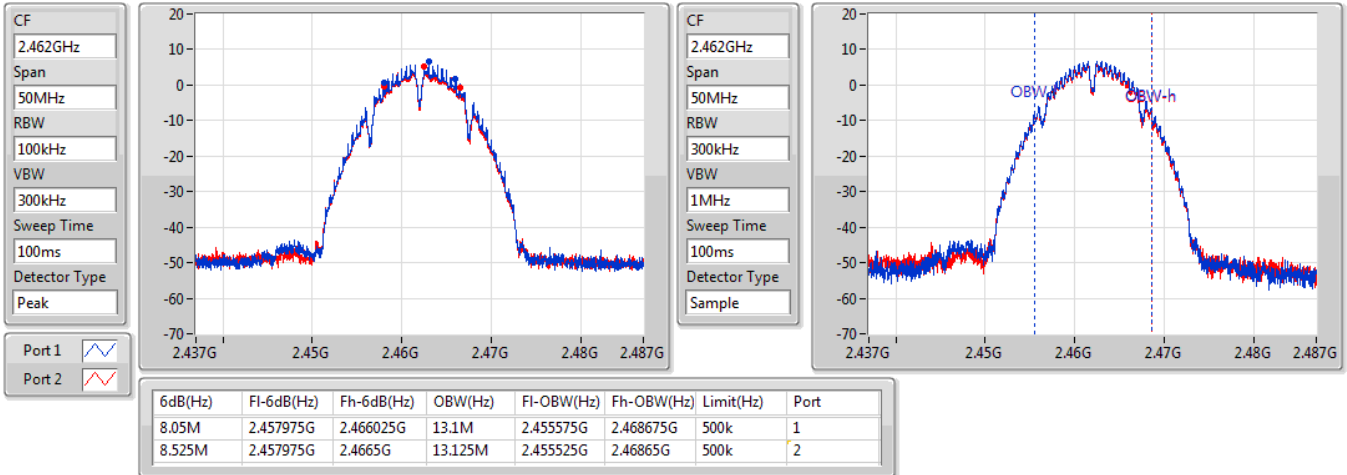

11b-20M_Nss1,(1Mbps)_2TX
EBW
2437MHz

27/01/2021

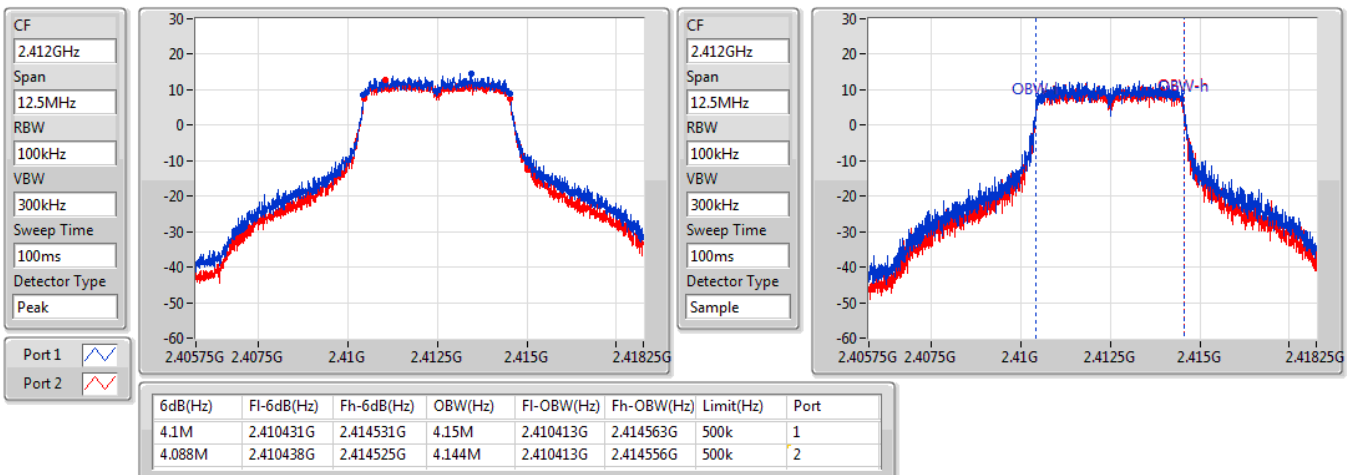


11b-20M_Nss1,(1Mbps)_2TX
EBW
2462MHz

27/01/2021

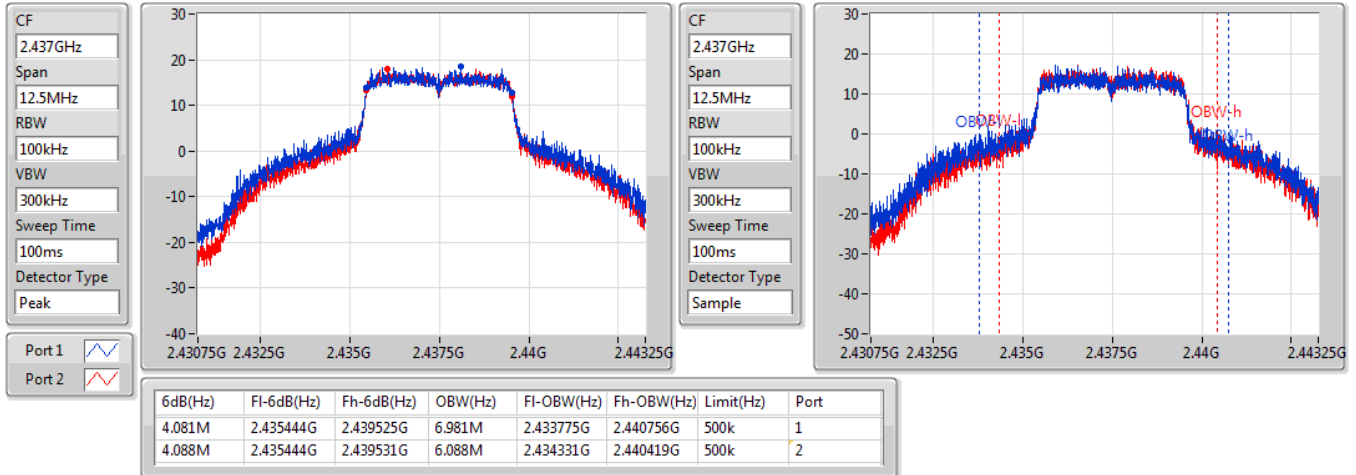

11g-5M_Nss1,(6Mbps)_2TX
EBW
2412MHz

27/01/2021

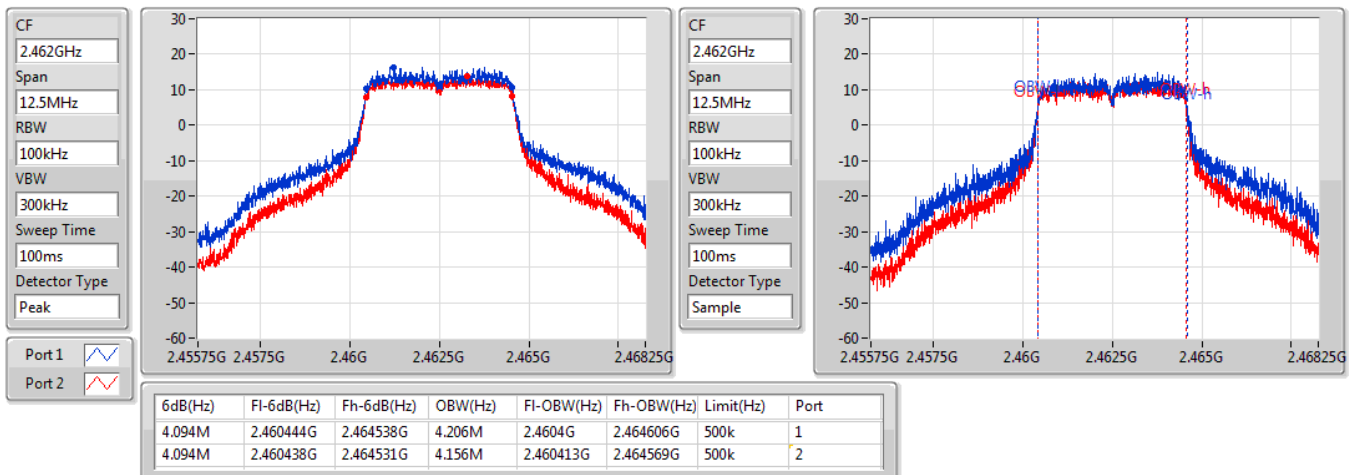


11g-5M_Nss1,(6Mbps)_2TX
EBW
2437MHz

27/01/2021

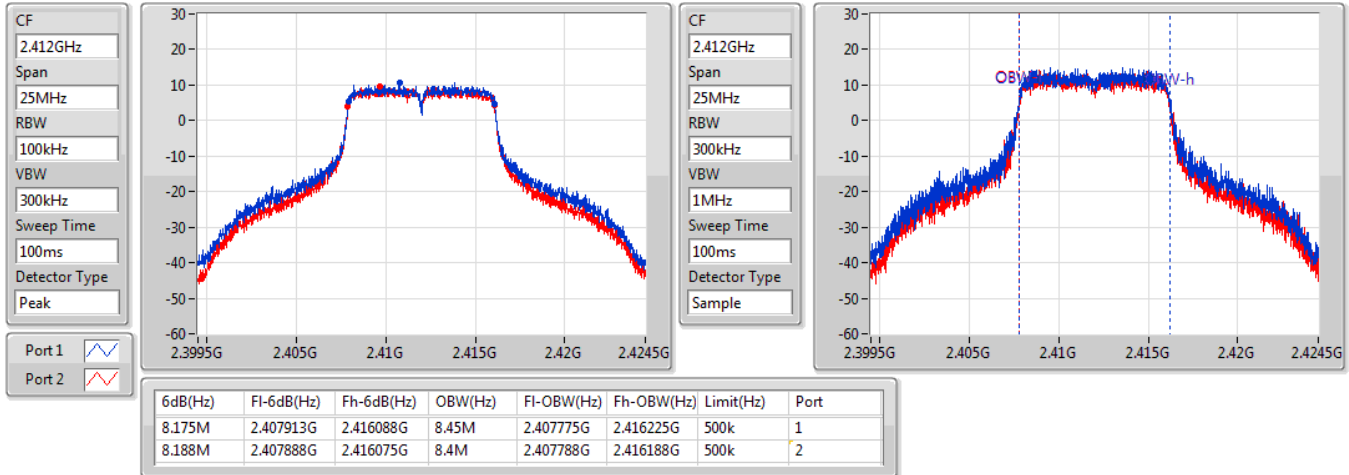

11g-5M_Nss1,(6Mbps)_2TX
EBW
2462MHz

27/01/2021

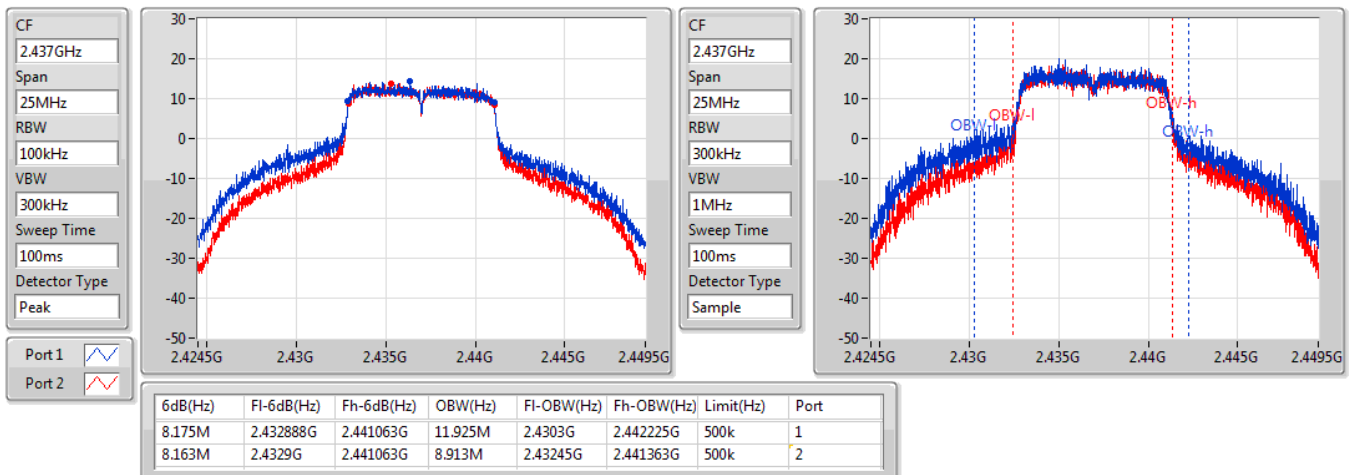


11g-10M_Nss1,(6Mbps)_2TX
EBW
2412MHz

27/01/2021

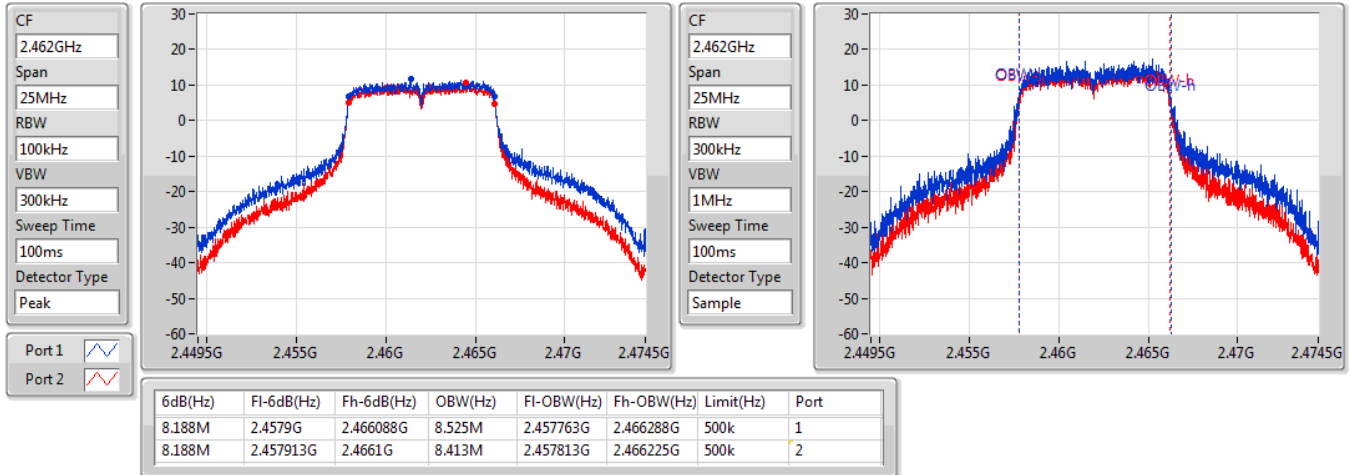

11g-10M_Nss1,(6Mbps)_2TX
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2437MHz

27/01/2021

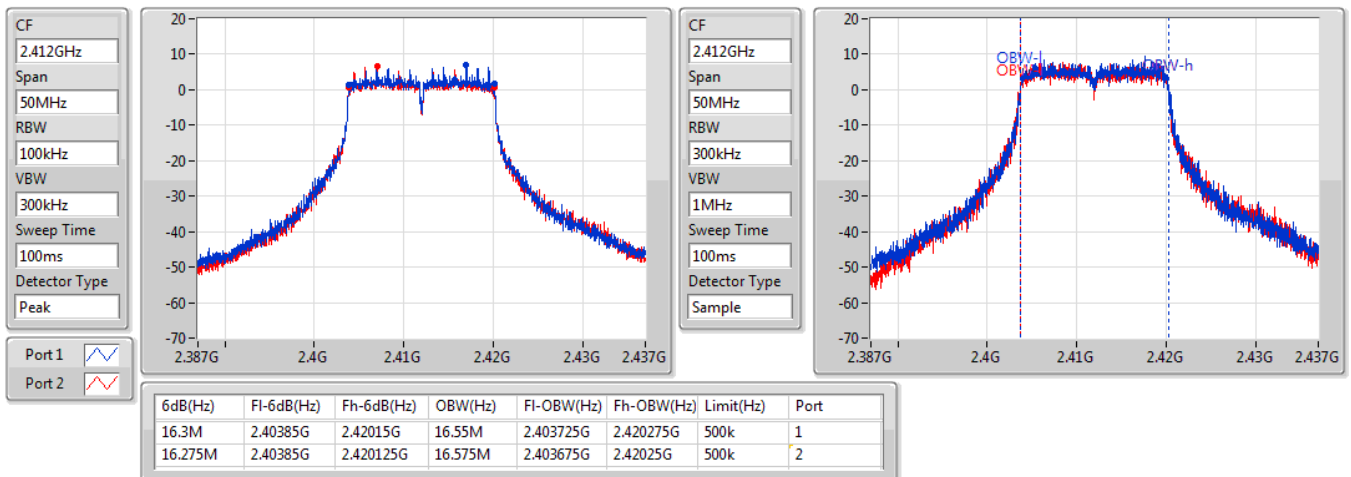


11g-10M_Nss1,(6Mbps)_2TX
EBW
2462MHz

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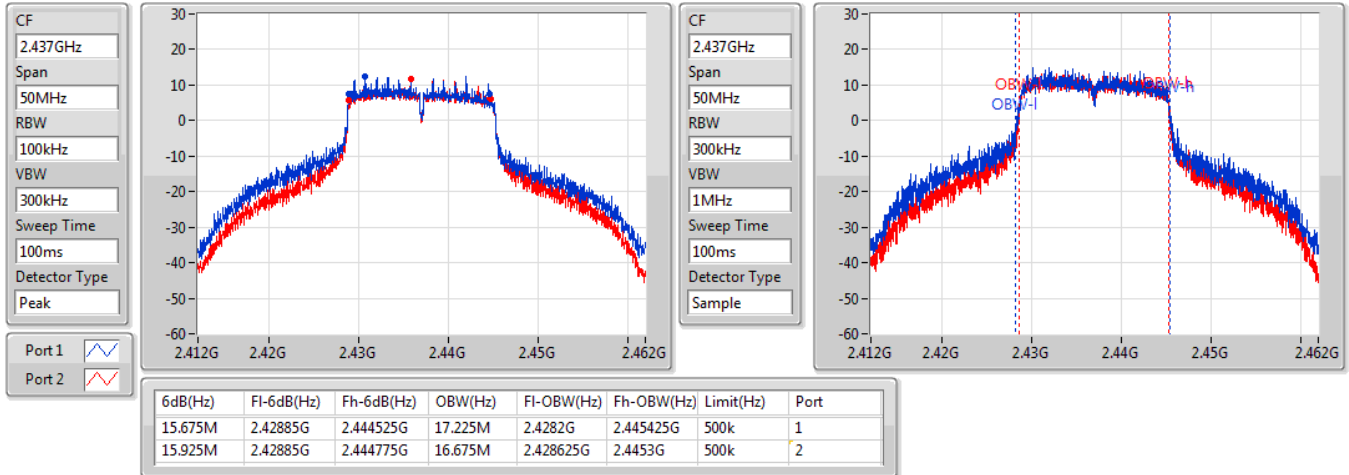

11g-20M_Nss1,(6Mbps)_2TX
EBW
2412MHz

27/01/2021

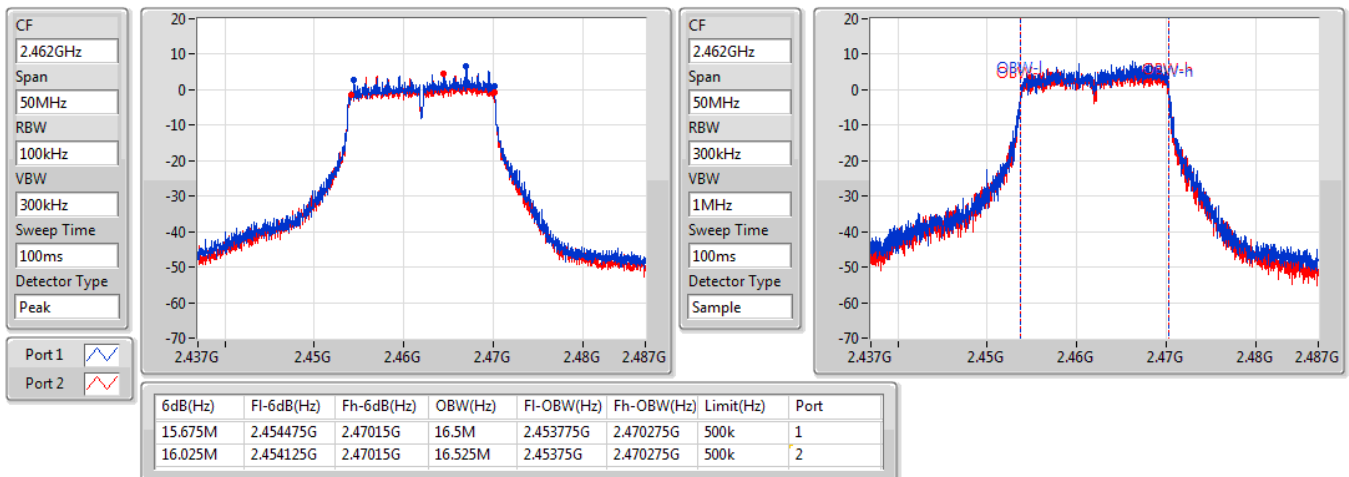


11g-20M_Nss1,(6Mbps)_2TX
EBW
2437MHz

27/01/2021

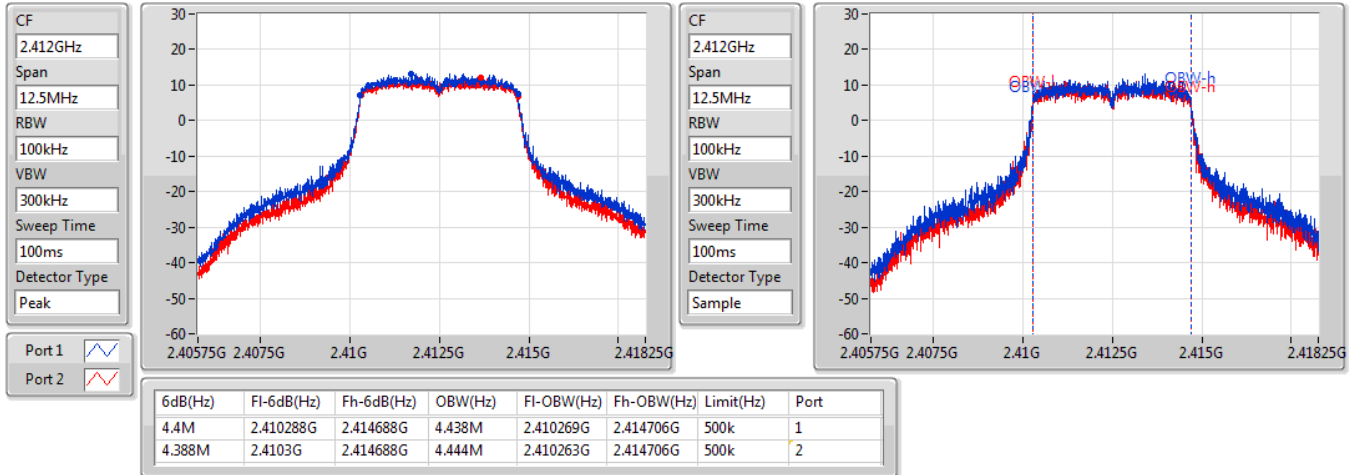

11g-20M_Nss1,(6Mbps)_2TX
EBW
2462MHz

27/01/2021

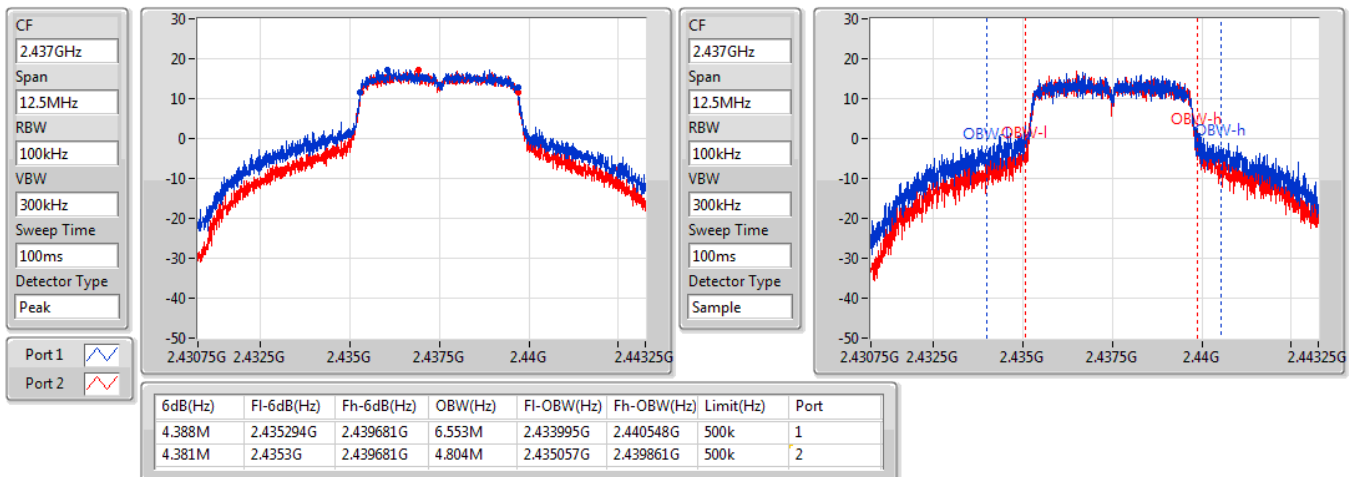


11n-5M_Nss1,(MCS0)_2TX
EBW
2412MHz

28/01/2021

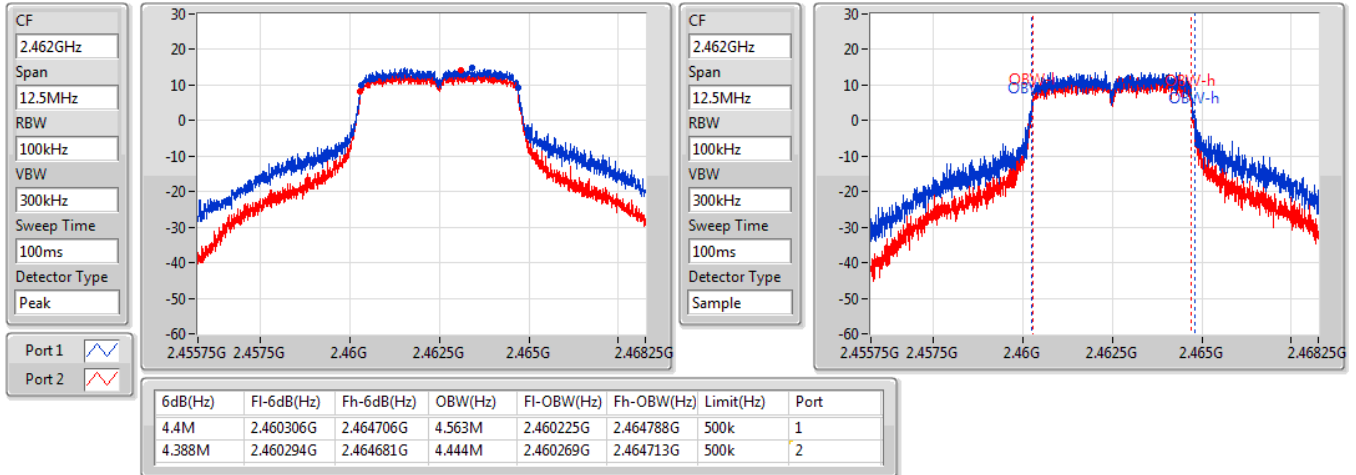

11n-5M_Nss1,(MCS0)_2TX
EBW
2437MHz

18/02/2021

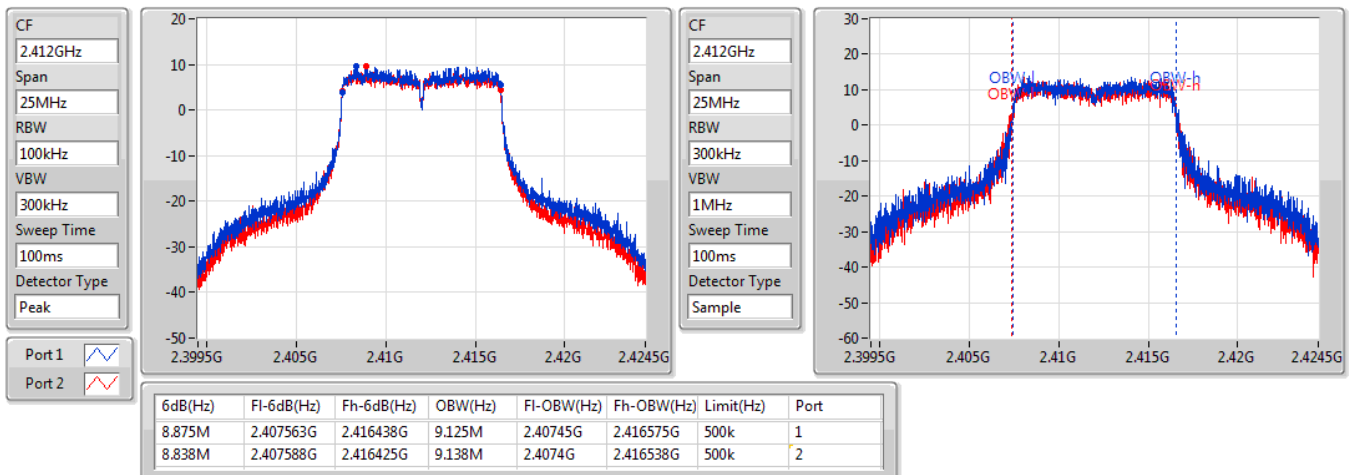


11n-5M_Nss1,(MCS0)_2TX
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2462MHz

28/01/2021

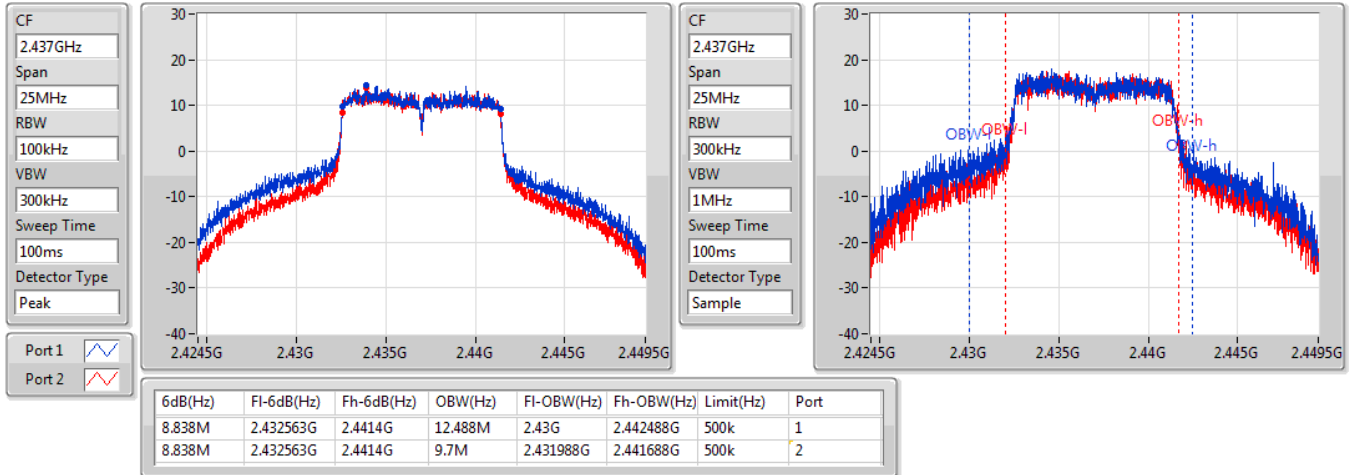

11n-10M_Nss1,(MCS0)_2TX
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2412MHz

04/02/2021

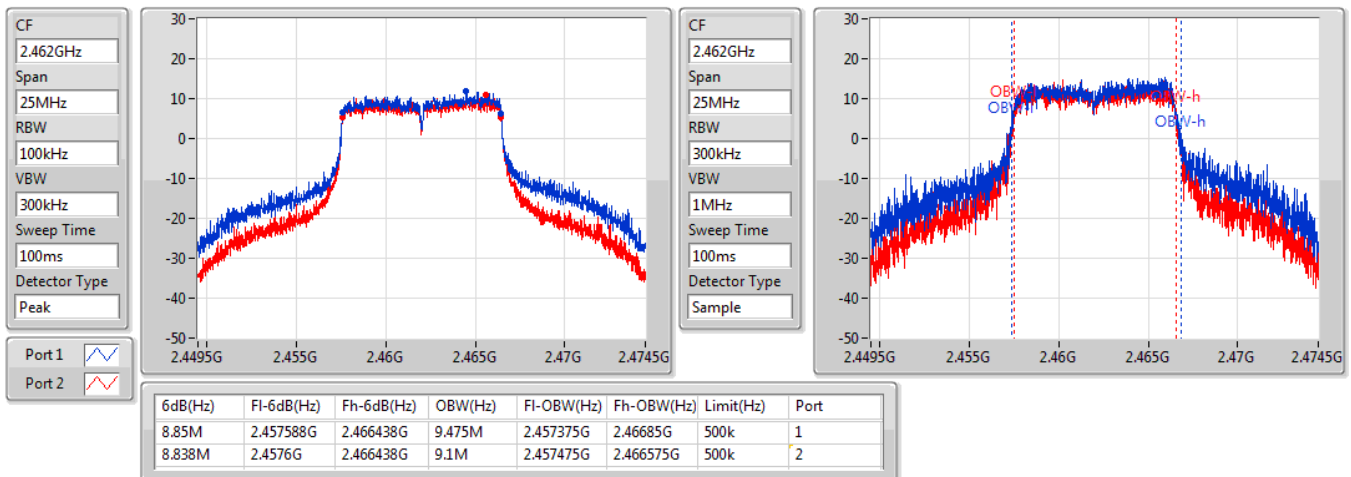


11n-10M_Nss1,(MCS0)_2TX
EBW
2437MHz

04/02/2021

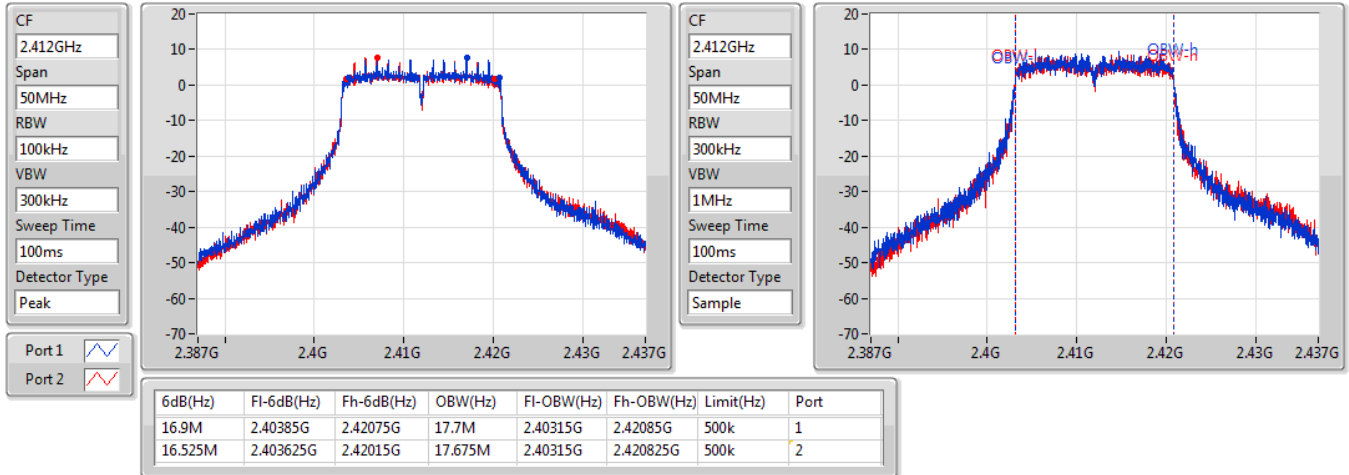

11n-10M_Nss1,(MCS0)_2TX
EBW
2462MHz

04/02/2021

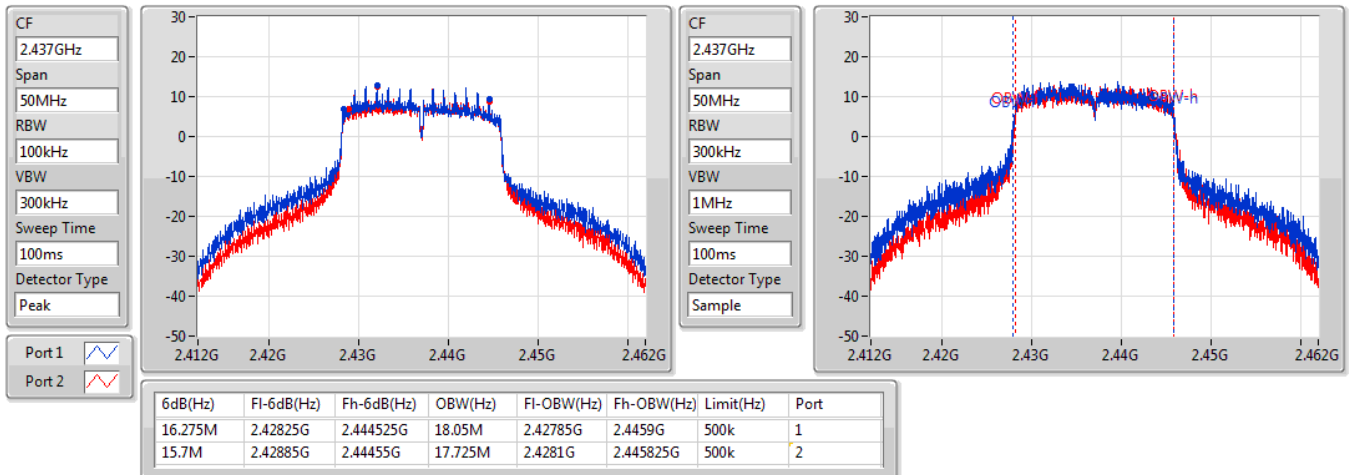


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

27/01/2021

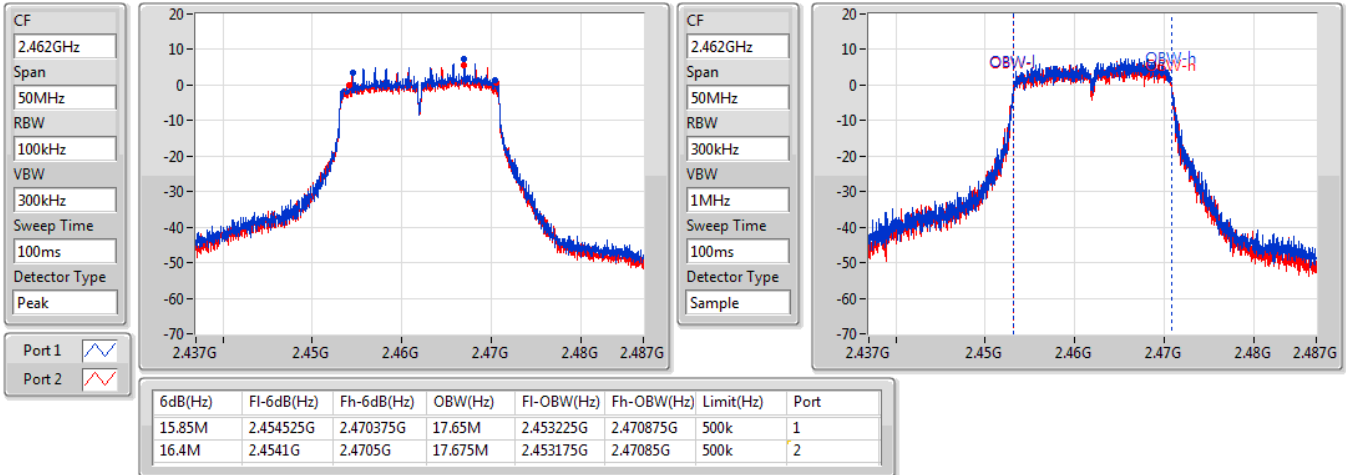

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

27/01/2021

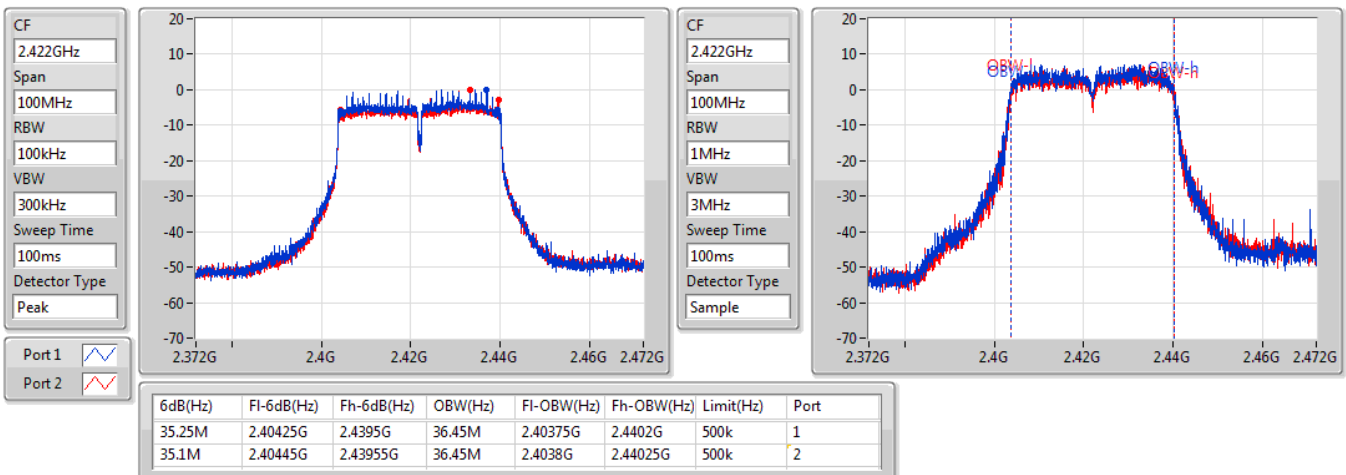


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

27/01/2021

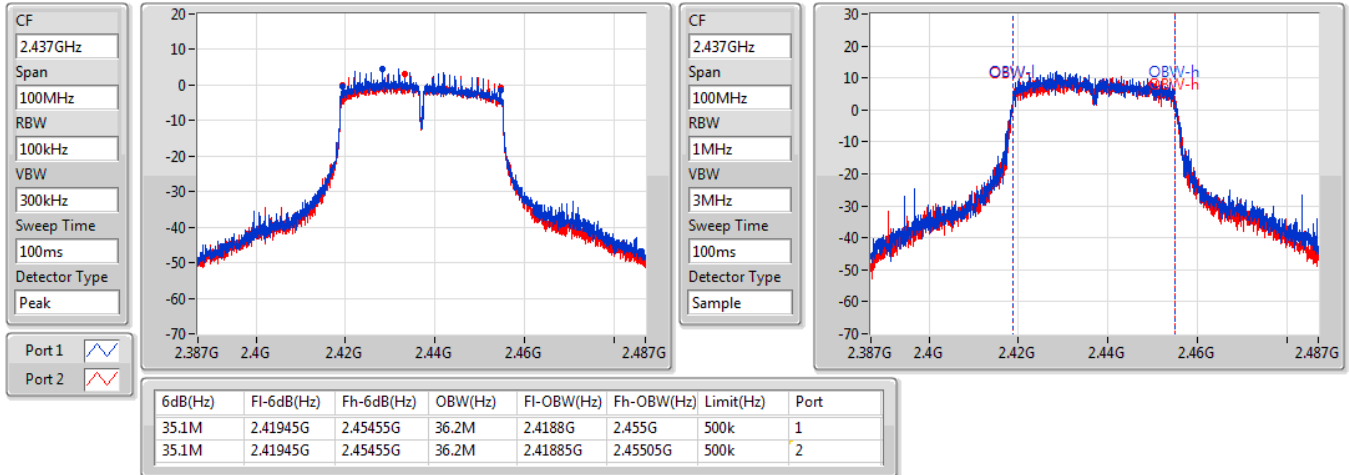

802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

27/01/2021

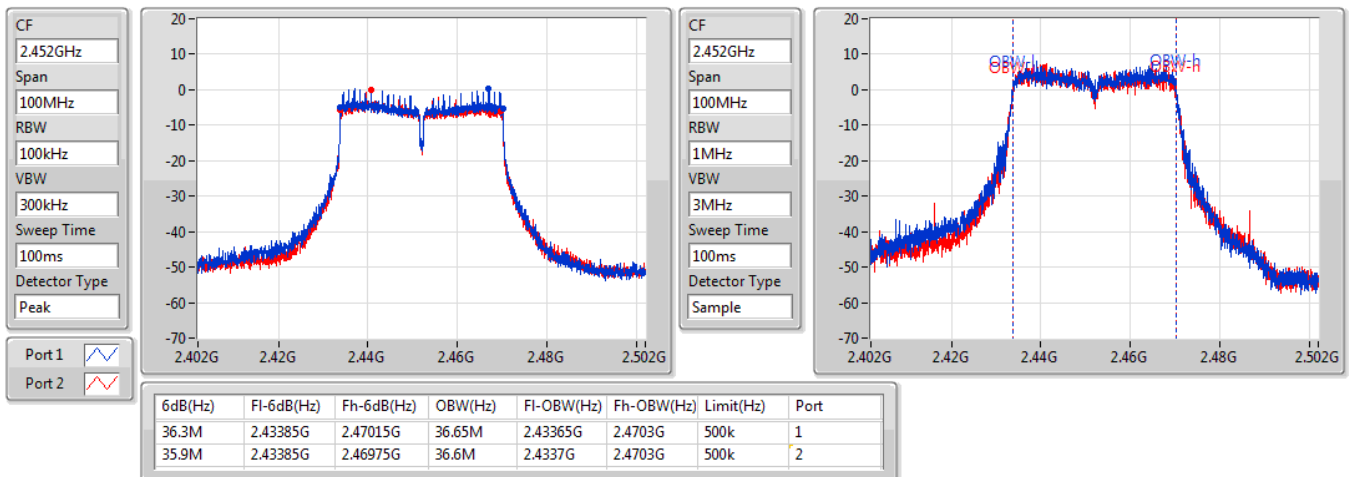


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

27/01/2021


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

27/01/2021



Summary

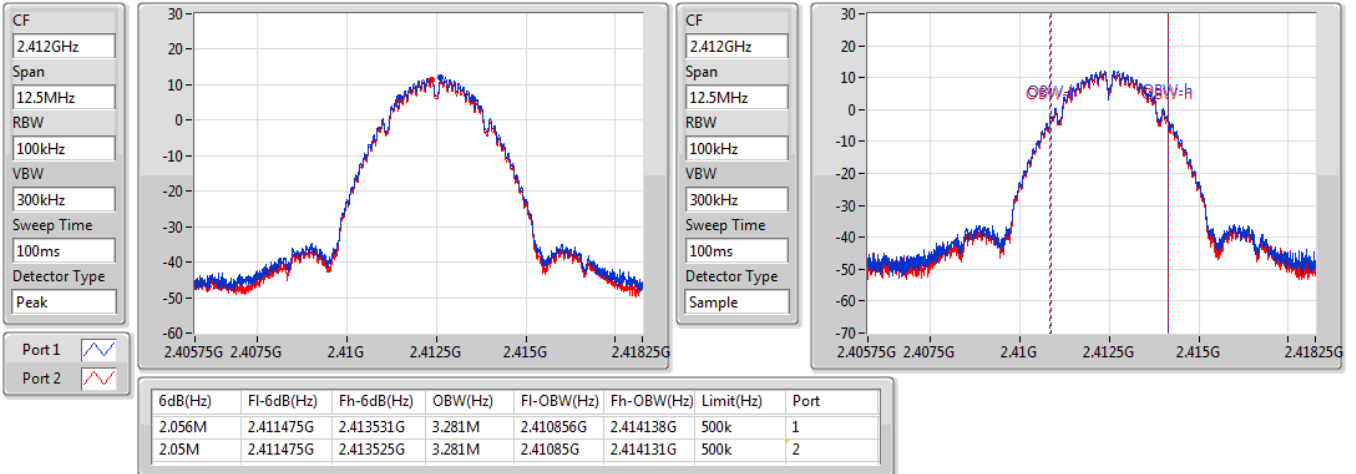
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
11b-5M_Nss1,(1Mbps)_2TX	2.169M	3.469M	3M47G1D	2.044M	3.25M
11b-10M_Nss1,(1Mbps)_2TX	4.288M	6.963M	6M96G1D	4.05M	6.55M
11b-20M_Nss1,(1Mbps)_2TX	9.525M	15.1M	15M1G1D	8M	13.15M
11g-5M_Nss1,(6Mbps)_2TX	4.113M	6.403M	6M40D1D	4.069M	4.138M
11g-10M_Nss1,(6Mbps)_2TX	8.188M	9.25M	9M25D1D	8.088M	8.413M
11g-20M_Nss1,(6Mbps)_2TX	16.3M	16.8M	16M8D1D	15.675M	16.525M
11n-5M_Nss1,(MCS0)_2TX	4.394M	6.447M	6M45D1D	4.363M	4.431M
11n-10M_Nss1,(MCS0)_2TX	8.875M	12.238M	12M2D1D	8.825M	9.113M
802.11n HT20_Nss1,(MCS0)_2TX	16.9M	18.05M	18M0D1D	15.875M	17.65M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.7M	36M7D1D	35.05M	36.25M

Result

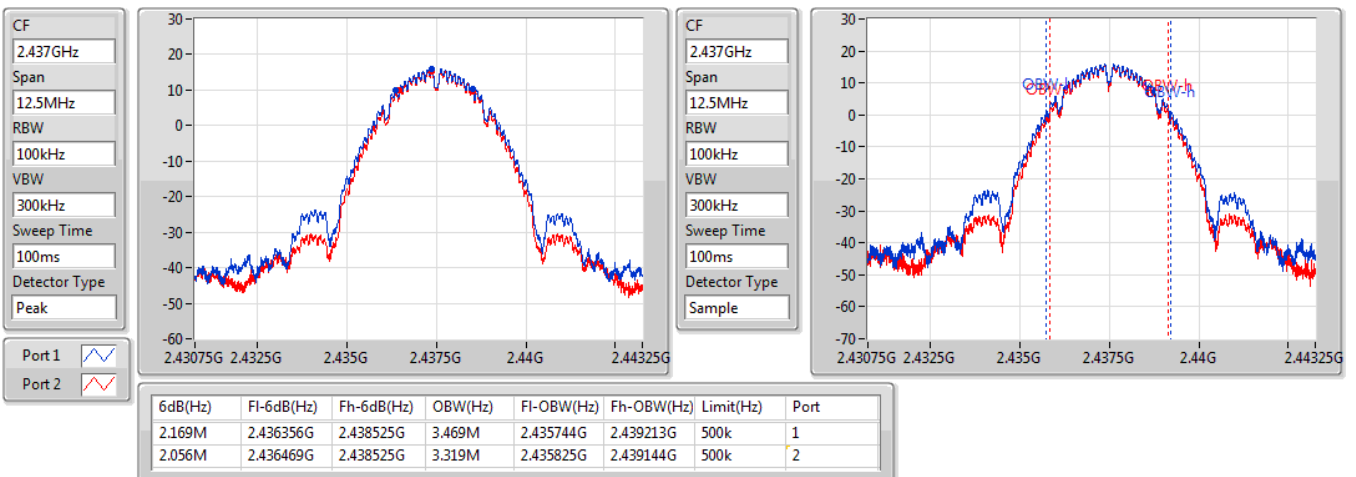
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.056M	3.281M	2.05M	3.281M
2437MHz	Pass	500k	2.169M	3.469M	2.056M	3.319M
2462MHz	Pass	500k	2.044M	3.25M	2.044M	3.25M
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.05M	6.575M	4.05M	6.588M
2437MHz	Pass	500k	4.288M	6.963M	4.05M	6.713M
2462MHz	Pass	500k	4.05M	6.588M	4.05M	6.55M
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8M	13.2M	8.525M	13.2M
2437MHz	Pass	500k	9.525M	15.1M	9M	14.35M
2462MHz	Pass	500k	8.05M	13.15M	8M	13.175M
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.113M	4.194M	4.081M	4.169M
2437MHz	Pass	500k	4.069M	6.403M	4.106M	4.848M
2462MHz	Pass	500k	4.069M	4.169M	4.1M	4.138M
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.138M	8.438M	8.163M	8.438M
2437MHz	Pass	500k	8.188M	9.25M	8.088M	8.563M
2462MHz	Pass	500k	8.188M	8.463M	8.175M	8.413M
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.525M	16M	16.55M
2437MHz	Pass	500k	15.675M	16.8M	15.7M	16.575M
2462MHz	Pass	500k	15.675M	16.525M	15.9M	16.55M
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.375M	4.469M	4.394M	4.444M
2437MHz	Pass	500k	4.394M	6.447M	4.363M	4.86M
2462MHz	Pass	500k	4.375M	4.45M	4.363M	4.431M
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.875M	9.35M	8.85M	9.25M
2437MHz	Pass	500k	8.85M	12.238M	8.825M	9.725M
2462MHz	Pass	500k	8.863M	9.3M	8.85M	9.113M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.9M	17.65M	16.625M	17.675M
2437MHz	Pass	500k	15.9M	18.05M	16.5M	17.725M
2462MHz	Pass	500k	15.875M	17.65M	16.075M	17.675M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.05M	36.35M	35.1M	36.5M
2437MHz	Pass	500k	35.1M	36.3M	35.1M	36.25M
2452MHz	Pass	500k	36.3M	36.7M	36M	36.6M

11b-5M_Nss1,(1Mbps)_2TX
EBW
2412MHz

03/02/2021

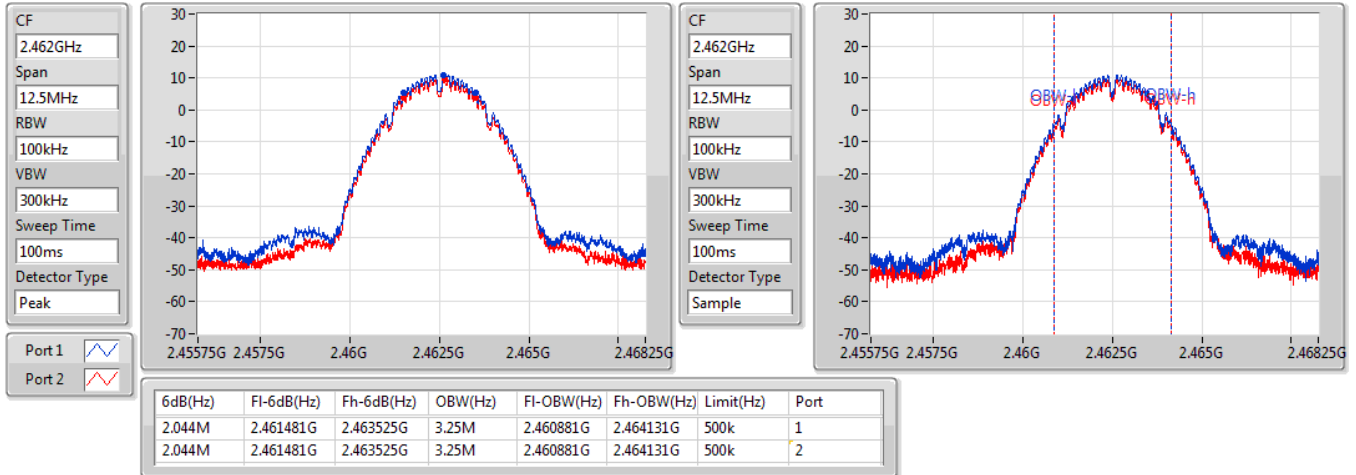

11b-5M_Nss1,(1Mbps)_2TX
EBW
2437MHz

03/02/2021

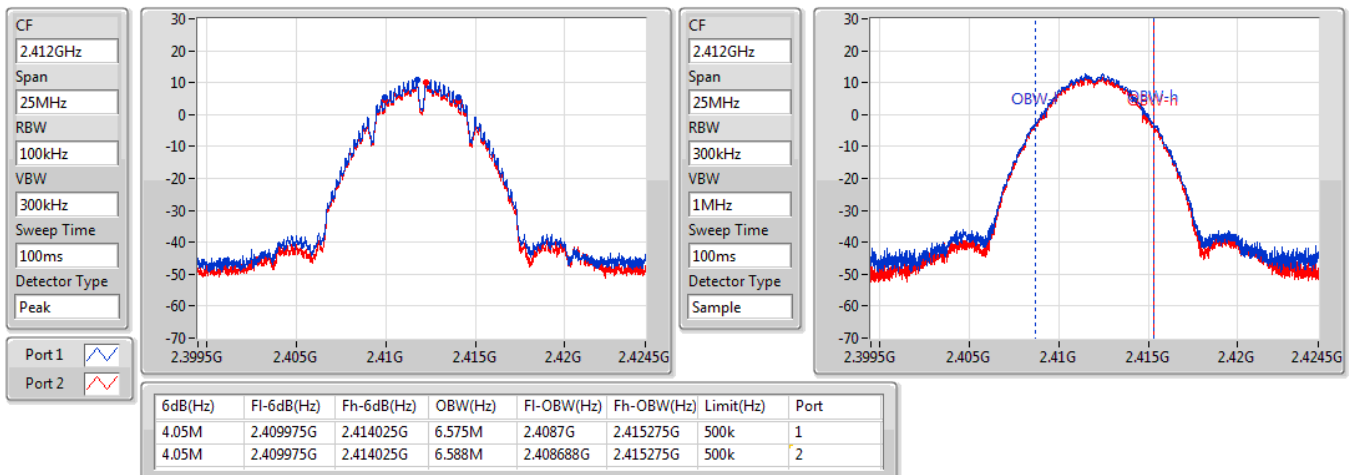


11b-5M_Nss1,(1Mbps)_2TX
EBW
2462MHz

03/02/2021

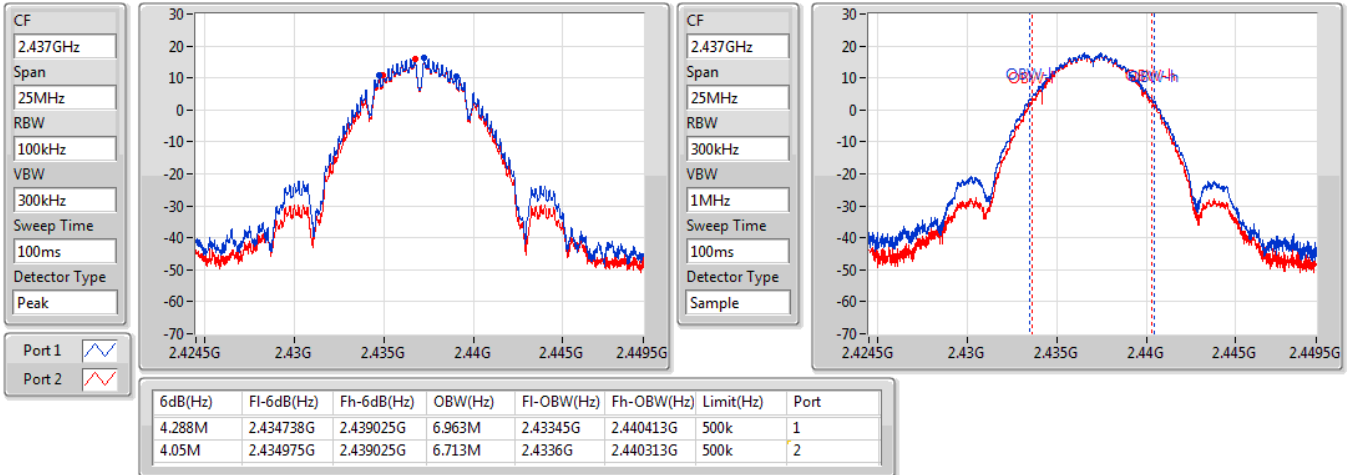

11b-10M_Nss1,(1Mbps)_2TX
EBW
2412MHz

03/02/2021

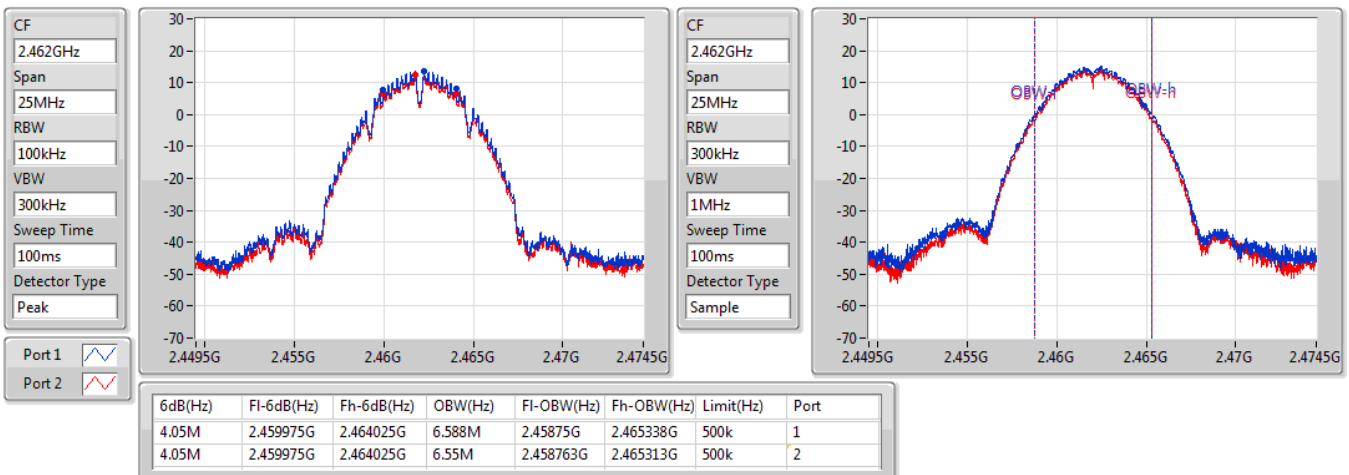


11b-10M_Nss1,(1Mbps)_2TX
EBW
2437MHz

03/02/2021

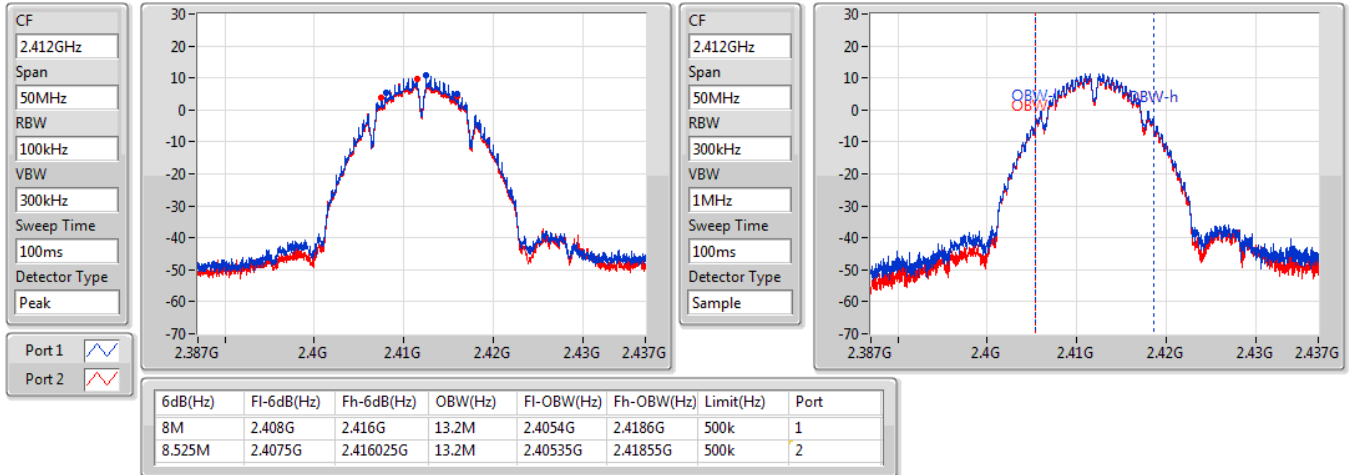

11b-10M_Nss1,(1Mbps)_2TX
EBW
2462MHz

03/02/2021

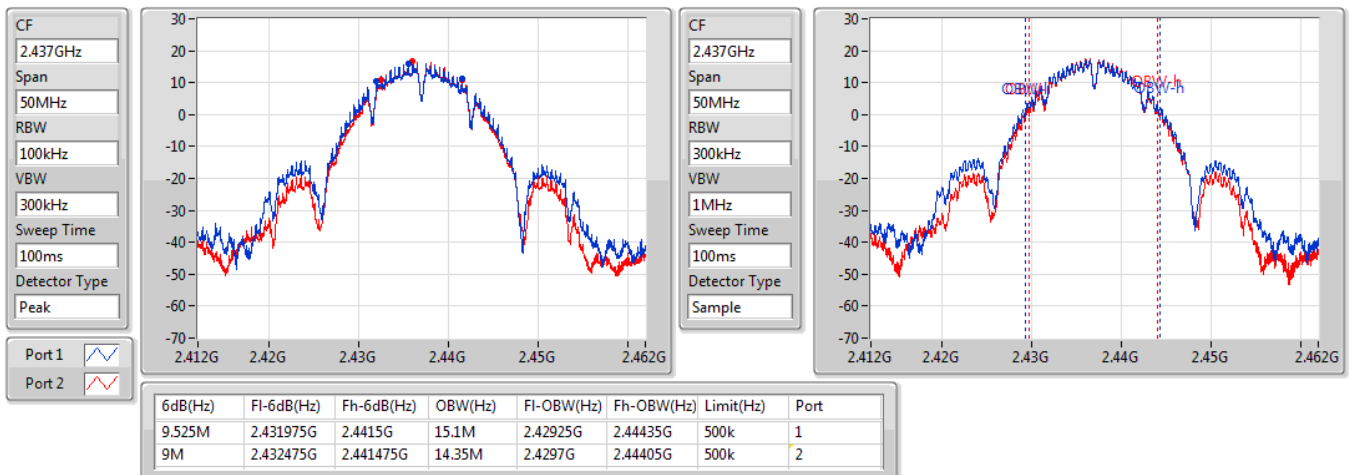


11b-20M_Nss1,(1Mbps)_2TX
EBW
2412MHz

03/02/2021

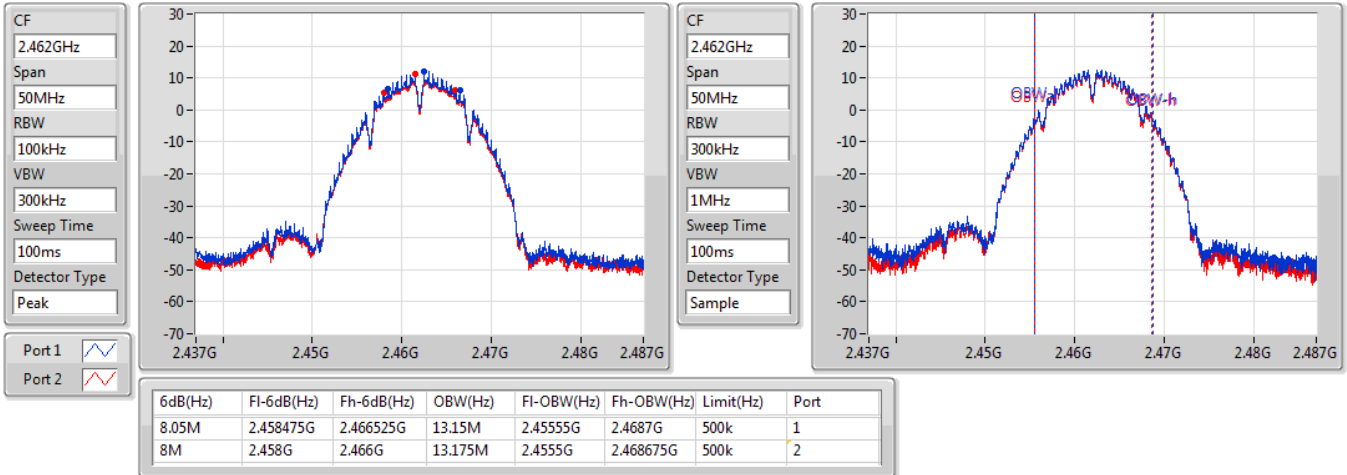

11b-20M_Nss1,(1Mbps)_2TX
EBW
2437MHz

03/02/2021

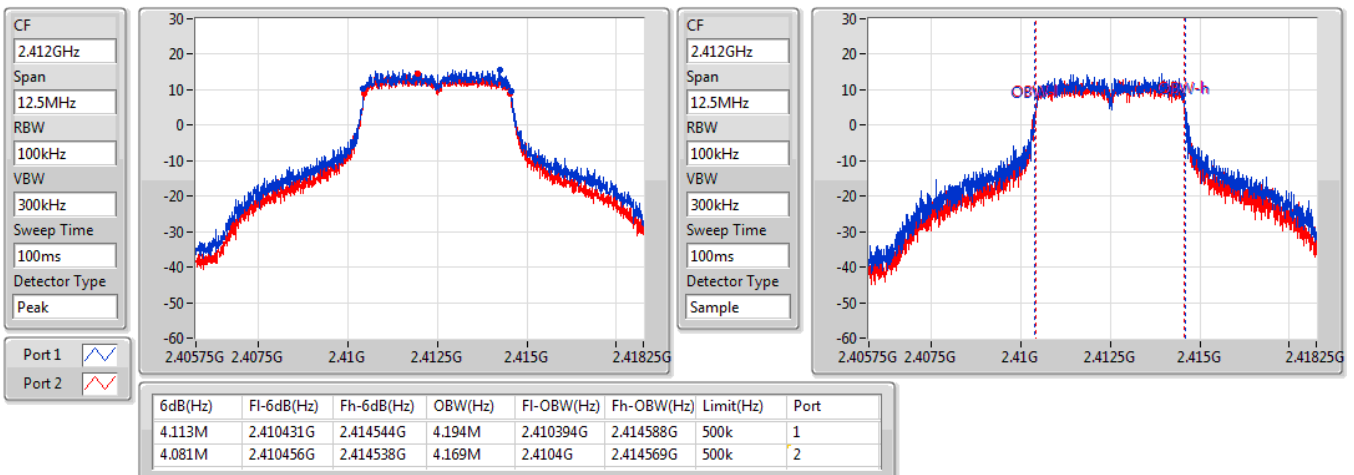


11b-20M_Nss1,(1Mbps)_2TX
EBW
2462MHz

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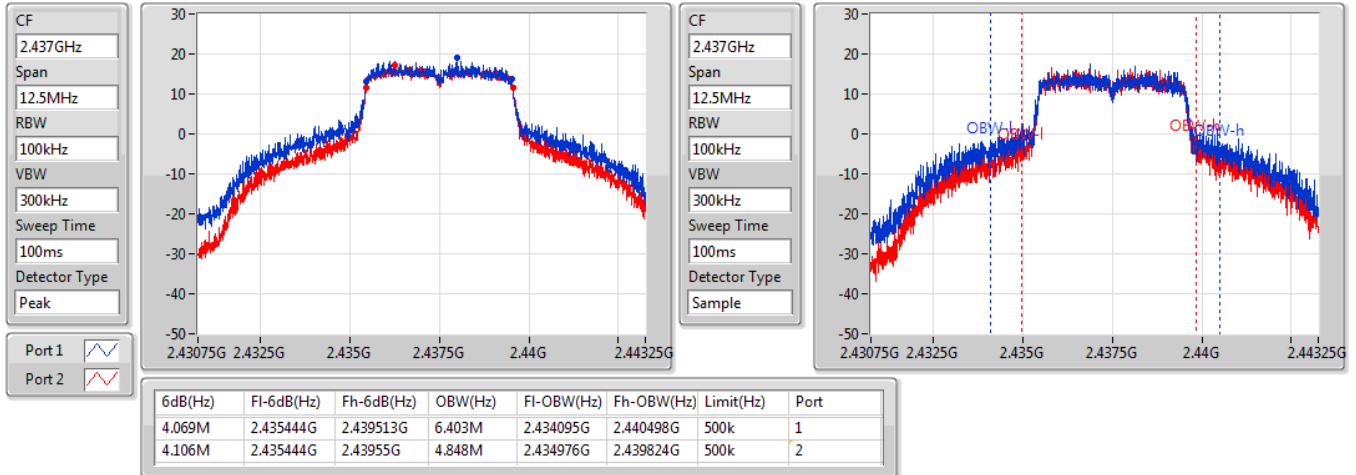

11g-5M_Nss1,(6Mbps)_2TX
EBW
2412MHz

03/02/2021

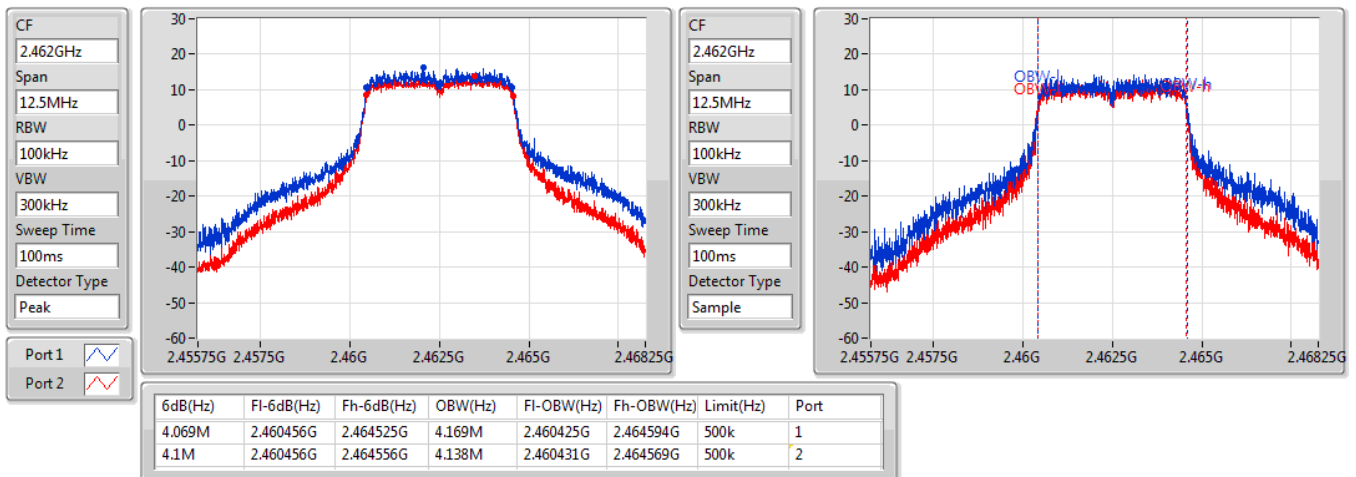


11g-5M_Nss1,(6Mbps)_2TX
EBW
2437MHz

18/02/2021

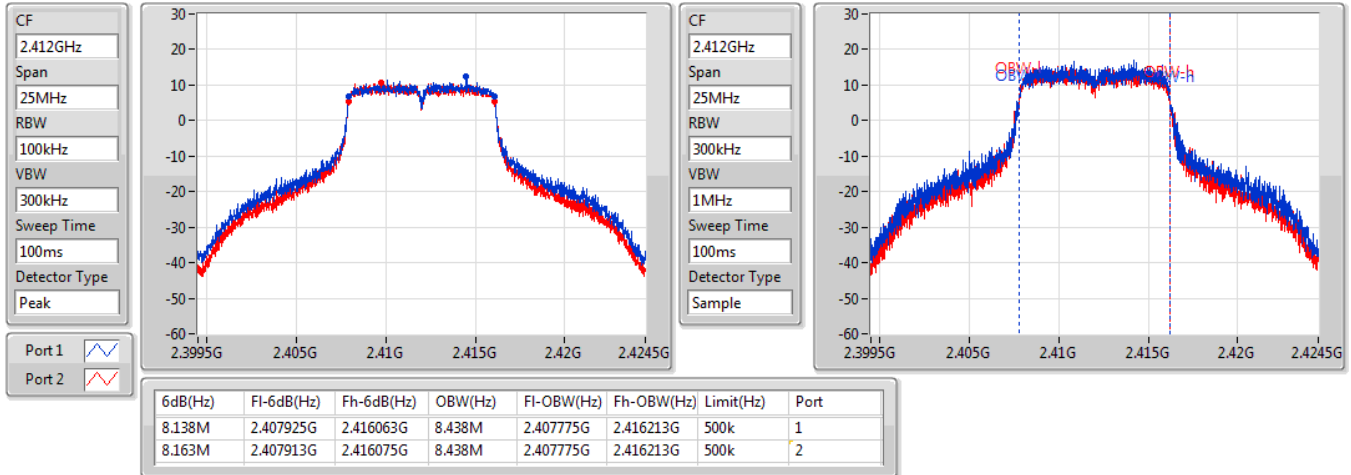

11g-5M_Nss1,(6Mbps)_2TX
EBW
2462MHz

03/02/2021



11g-10M_Nss1,(6Mbps)_2TX
EBW
2412MHz

03/02/2021

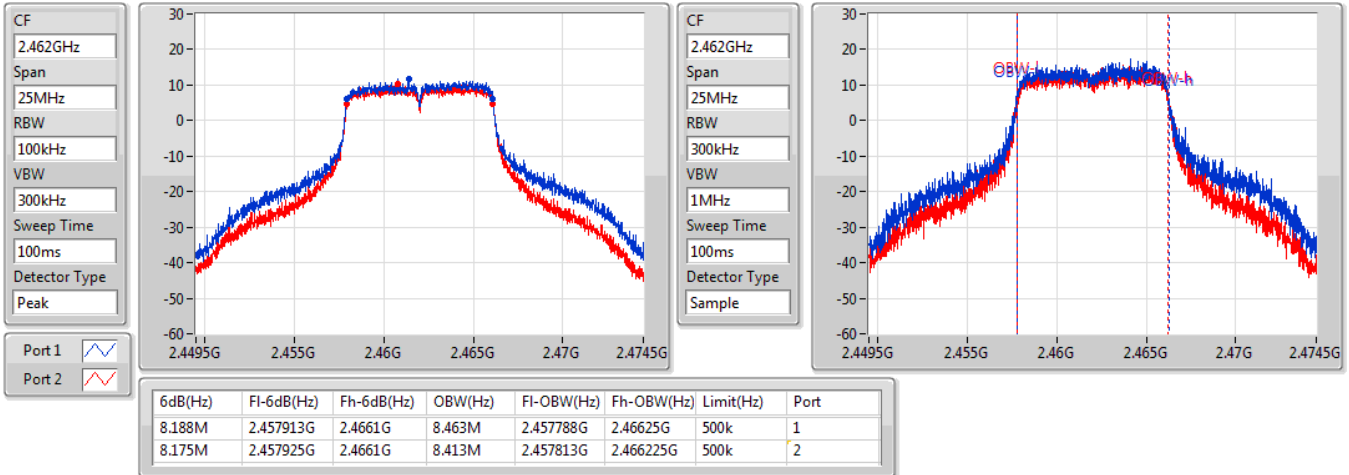

11g-10M_Nss1,(6Mbps)_2TX
EBW
2437MHz

03/02/2021

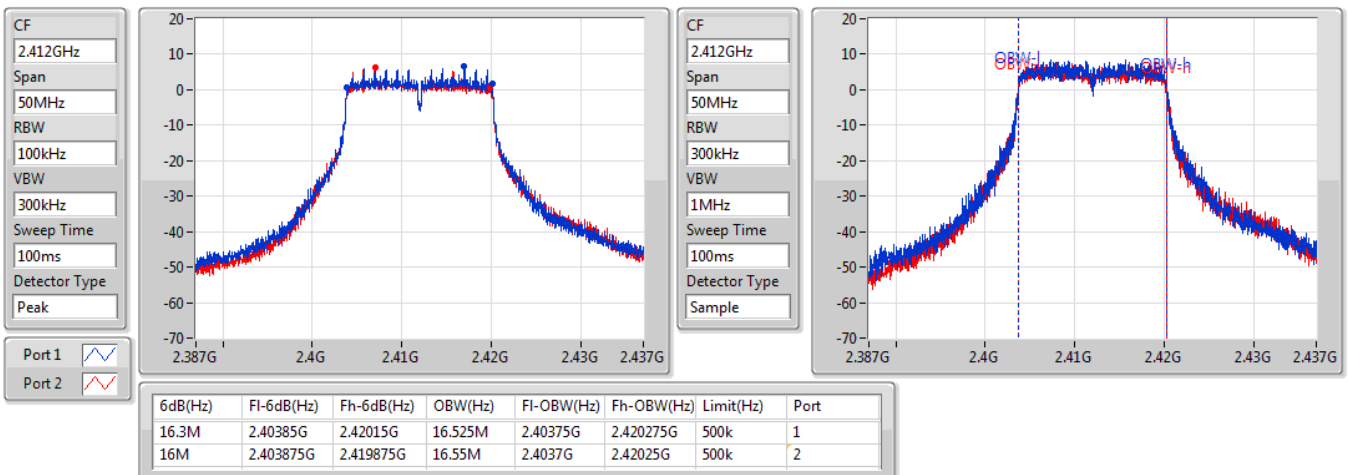


11g-10M_Nss1,(6Mbps)_2TX
2462MHz

03/02/2021

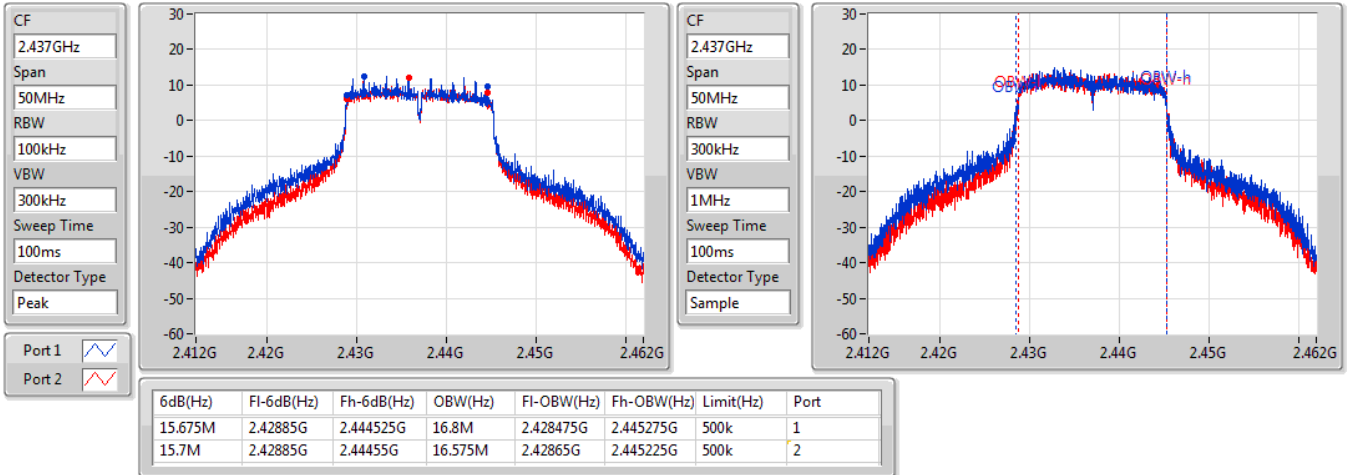

11g-20M_Nss1,(6Mbps)_2TX
2412MHz

03/02/2021

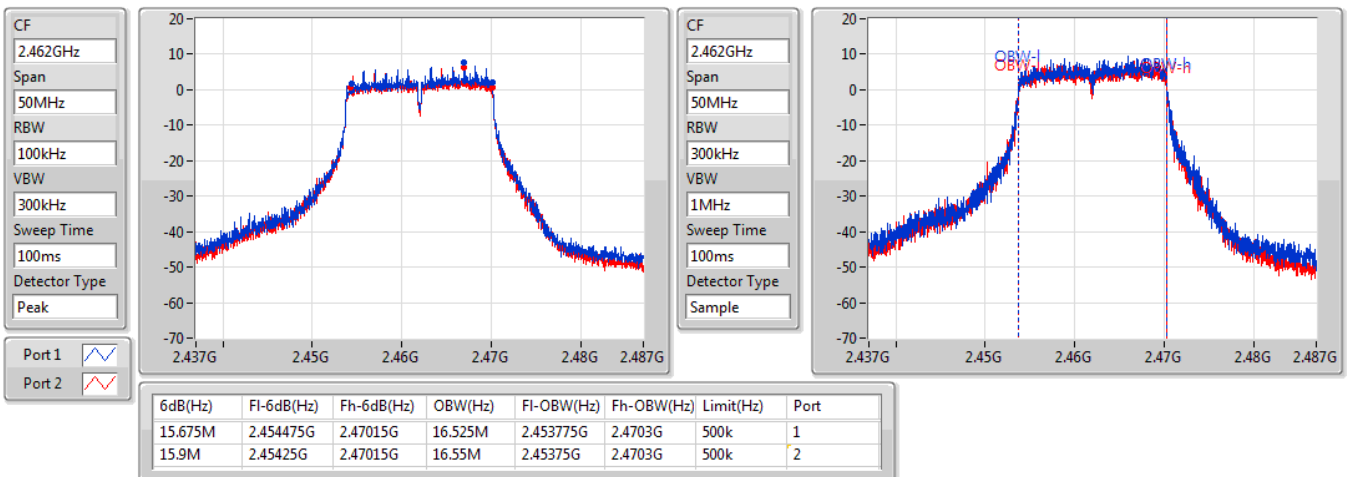


11g-20M_Nss1,(6Mbps)_2TX
2437MHz

03/02/2021

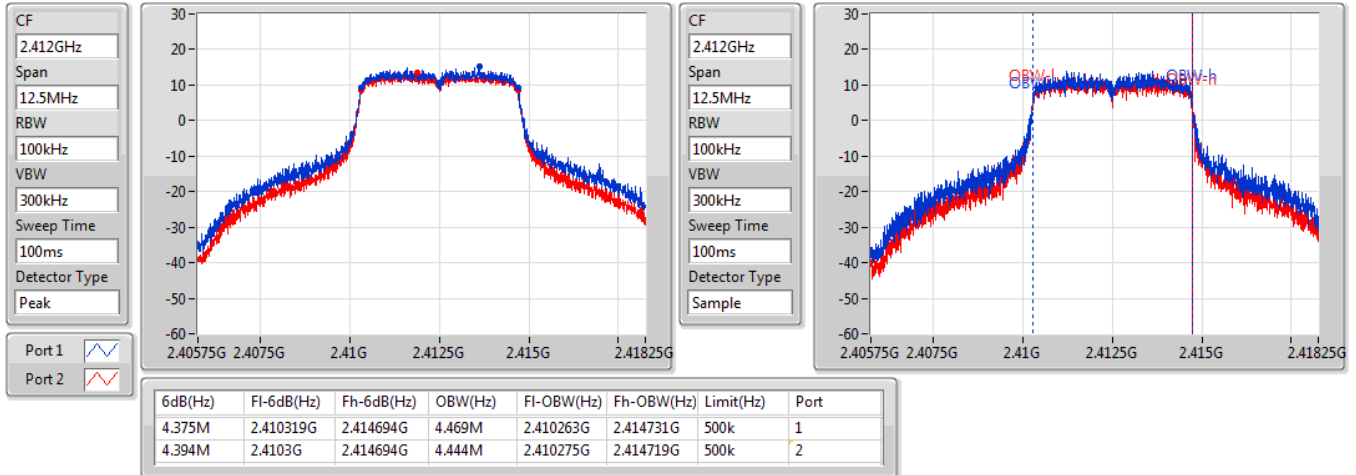

11g-20M_Nss1,(6Mbps)_2TX
2462MHz

03/02/2021

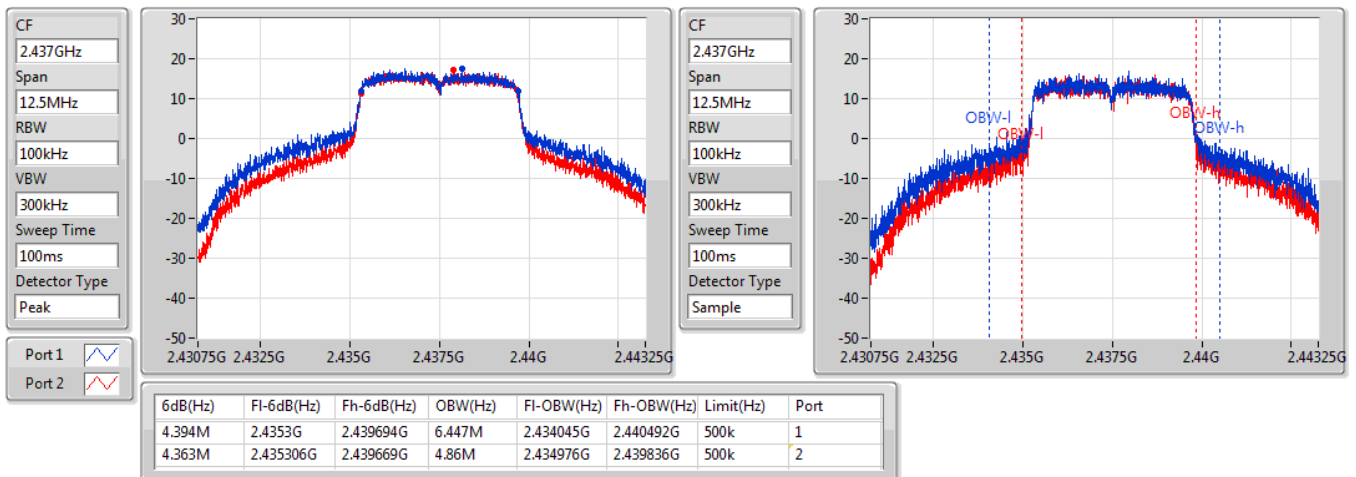


11n-5M_Nss1,(MCS0)_2TX
EBW
2412MHz

03/02/2021

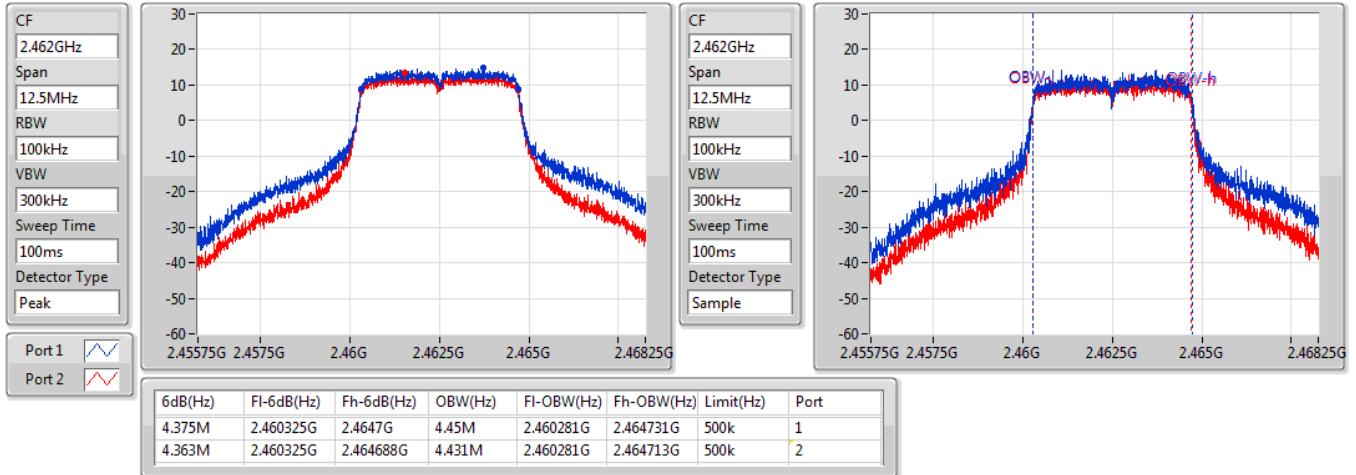

11n-5M_Nss1,(MCS0)_2TX
EBW
2437MHz

18/02/2021

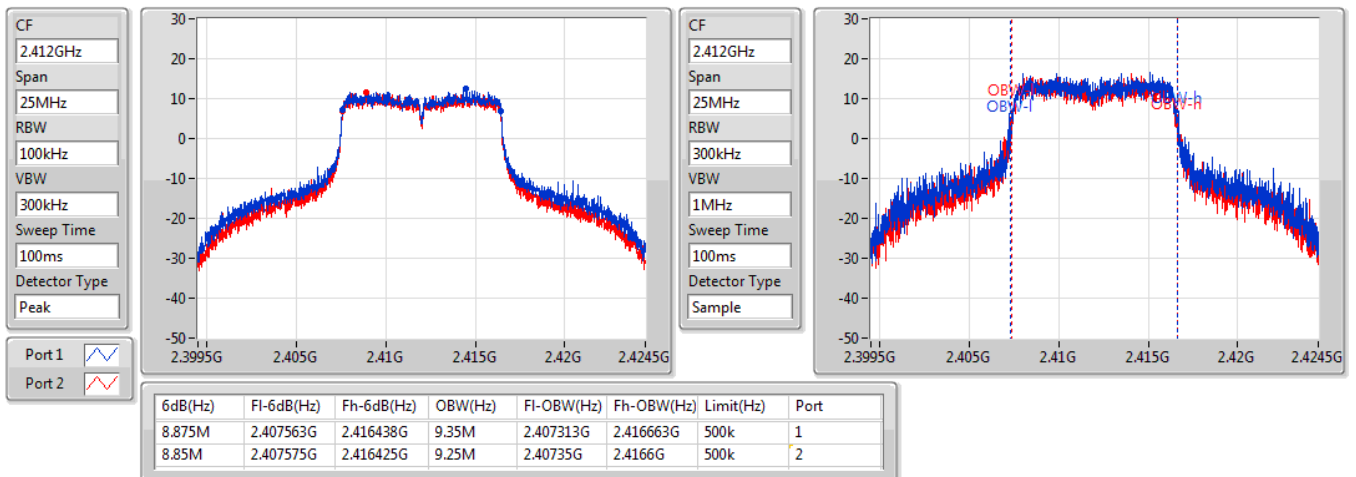


11n-5M_Nss1,(MCS0)_2TX
EBW
2462MHz

03/02/2021

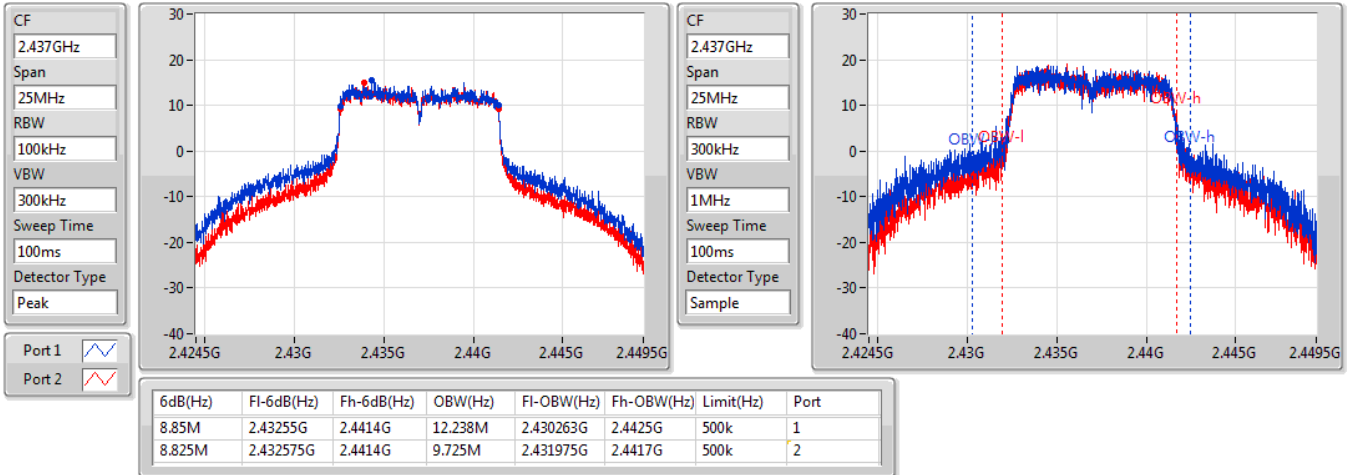

11n-10M_Nss1,(MCS0)_2TX
EBW
2412MHz

03/02/2021

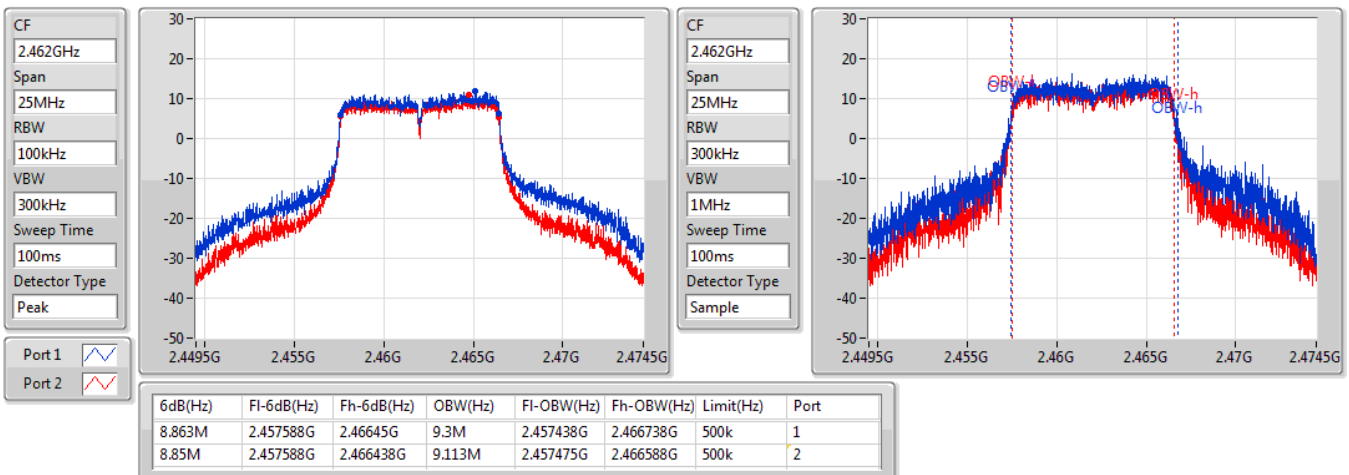


11n-10M_Nss1,(MCS0)_2TX
EBW
2437MHz

03/02/2021

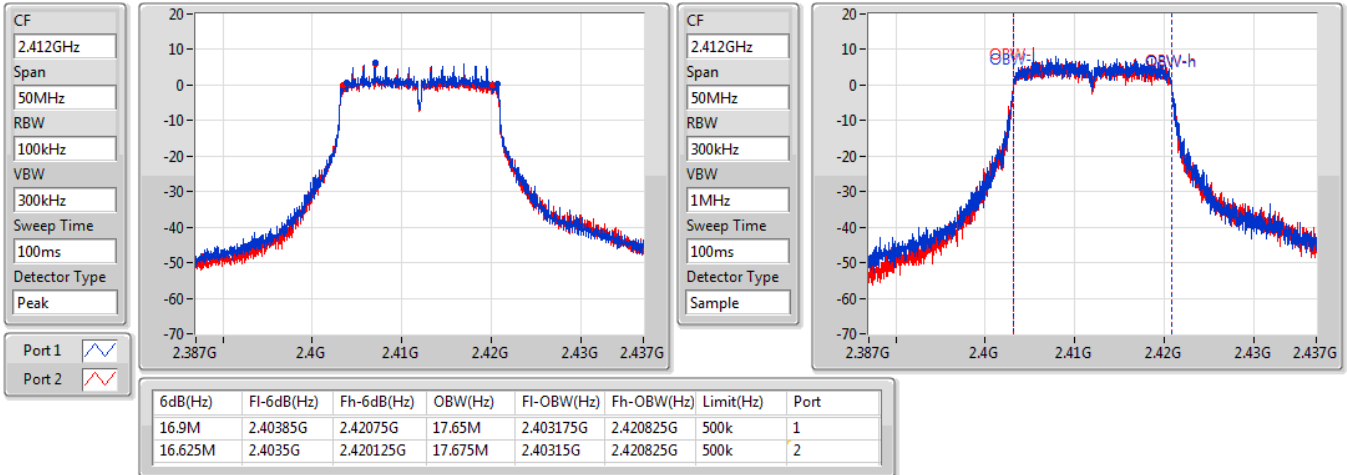

11n-10M_Nss1,(MCS0)_2TX
EBW
2462MHz

03/02/2021

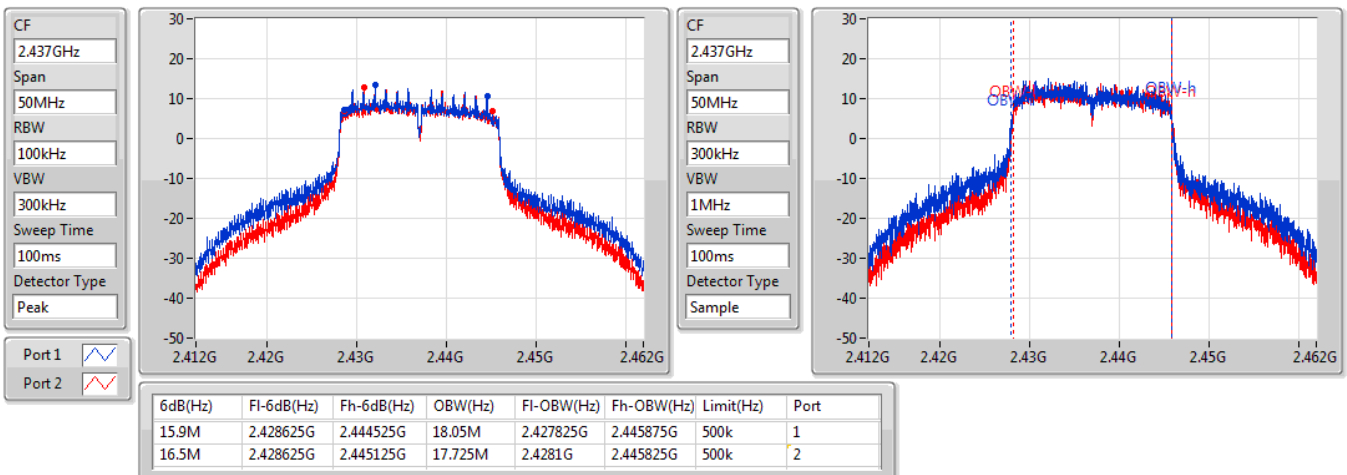


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

03/02/2021

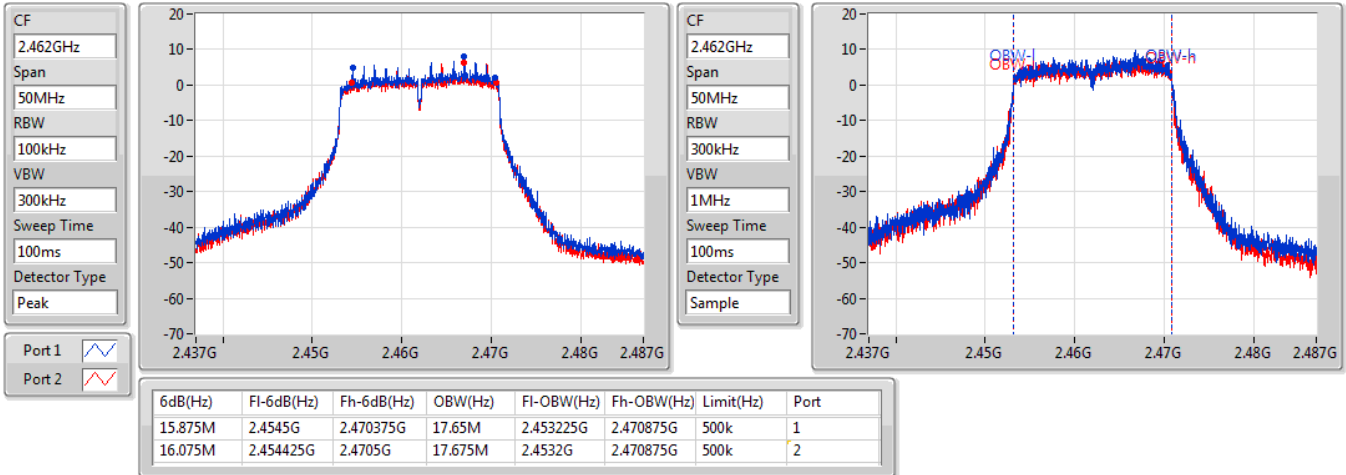

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

03/02/2021

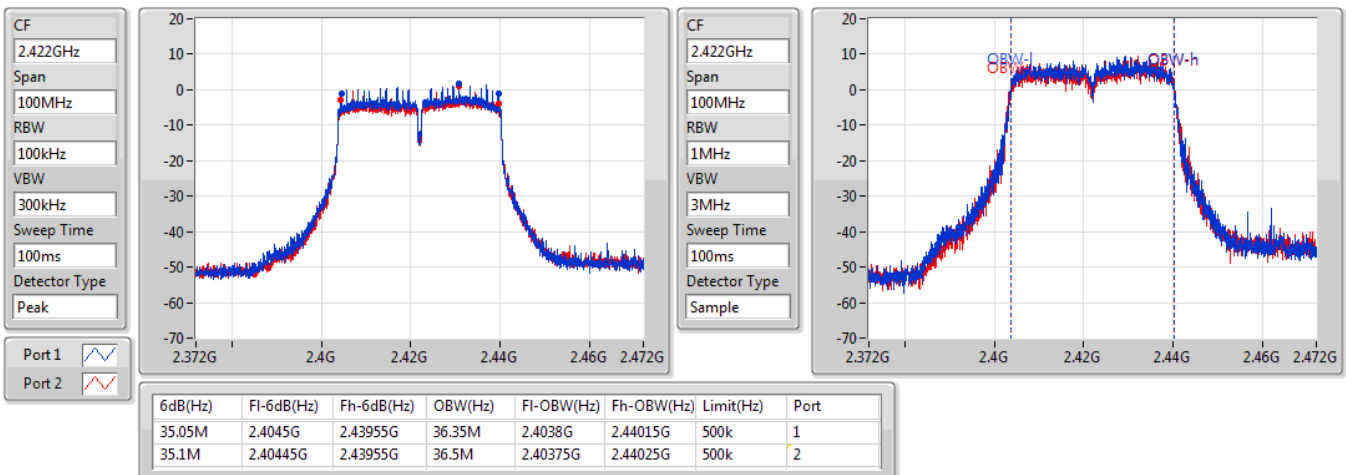


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

03/02/2021

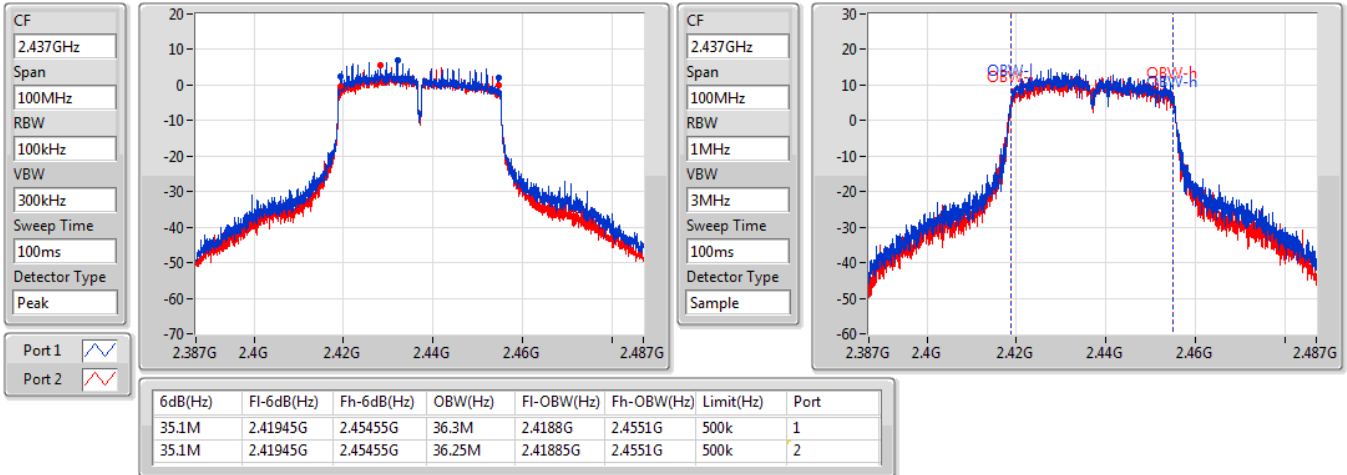

802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

03/02/2021

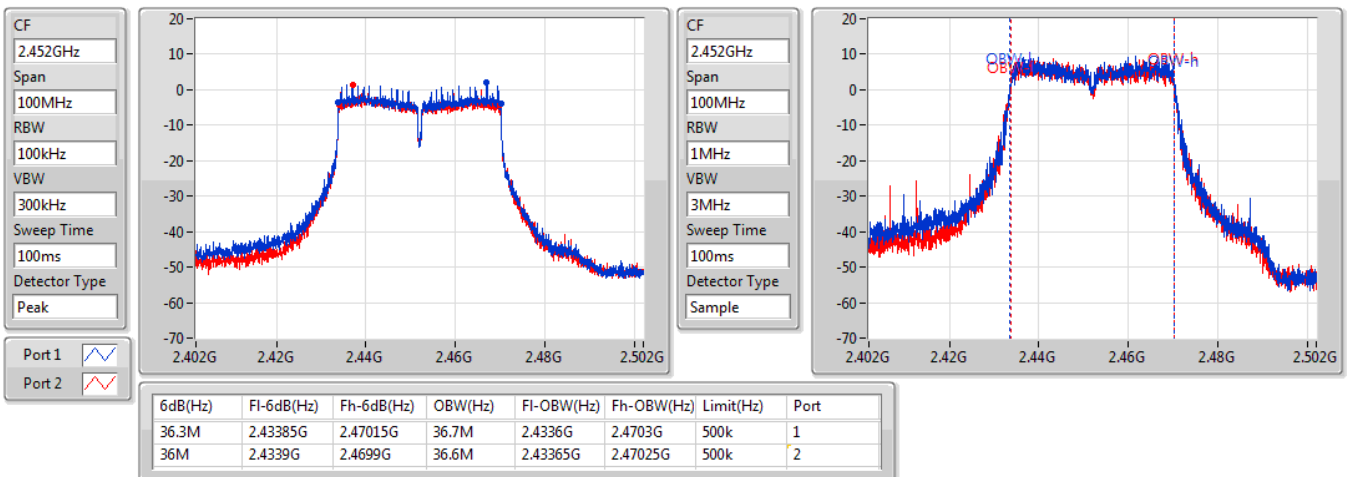


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

03/02/2021


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

03/02/2021



Summary

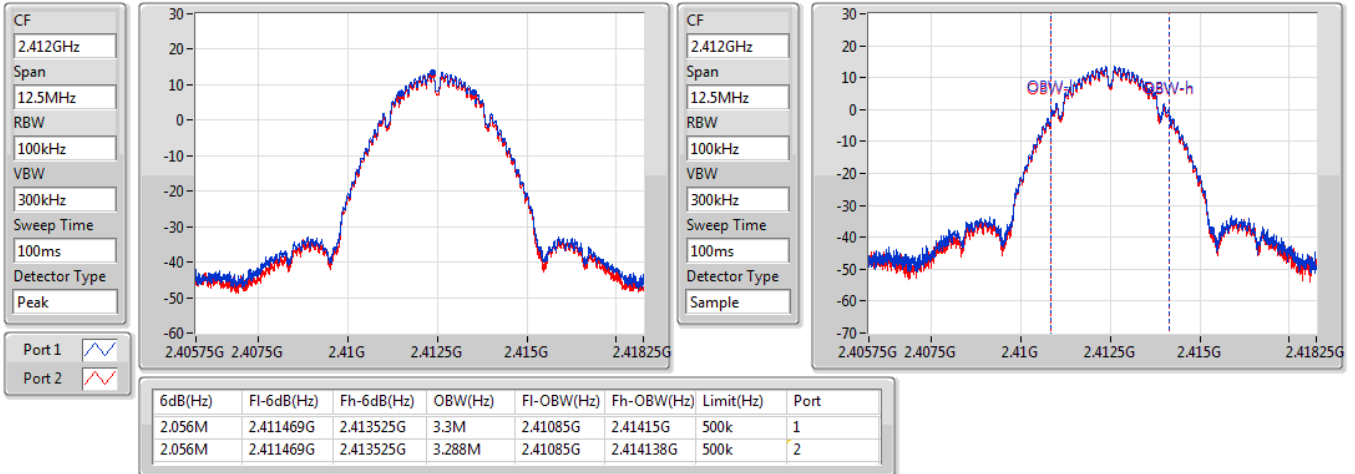
Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
11b-5M_Nss1,(1Mbps)_2TX	2.281M	3.513M	3M51G1D	2.05M	3.269M
11b-10M_Nss1,(1Mbps)_2TX	4.525M	7.088M	7M09G1D	4.05M	6.538M
11b-20M_Nss1,(1Mbps)_2TX	8.55M	14.15M	14M1G1D	7.55M	13.1M
11g-5M_Nss1,(6Mbps)_2TX	4.106M	6.447M	6M45D1D	4.075M	4.142M
11g-10M_Nss1,(6Mbps)_2TX	8.213M	11.288M	11M3D1D	8.163M	8.388M
11g-20M_Nss1,(6Mbps)_2TX	16.3M	19.675M	19M7D1D	15.325M	16.525M
11n-5M_Nss1,(MCS0)_2TX	4.406M	7.331M	7M33D1D	4.375M	4.431M
11n-10M_Nss1,(MCS0)_2TX	8.888M	14.463M	14M5D1D	8.838M	9.125M
802.11n HT20_Nss1,(MCS0)_2TX	17.5M	19.725M	19M7D1D	15.675M	17.675M
802.11n HT40_Nss1,(MCS0)_2TX	36.05M	36.7M	36M7D1D	34.95M	36.25M

Result

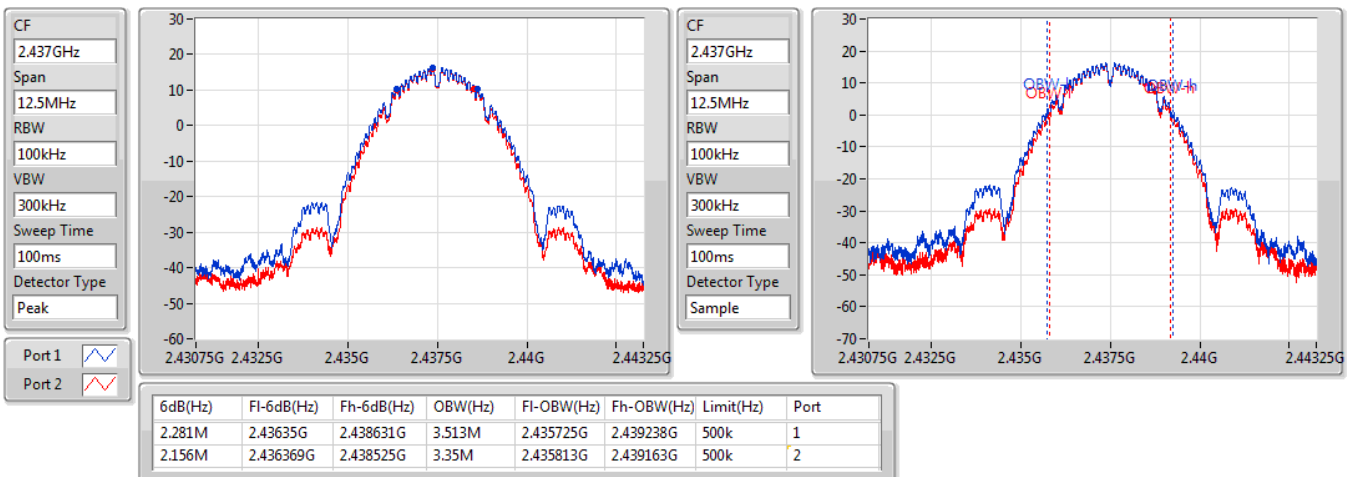
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	2.056M	3.3M	2.056M	3.288M
2437MHz	Pass	500k	2.281M	3.513M	2.156M	3.35M
2462MHz	Pass	500k	2.05M	3.275M	2.05M	3.269M
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.05M	6.663M	4.05M	6.65M
2437MHz	Pass	500k	4.525M	7.088M	4.288M	6.788M
2462MHz	Pass	500k	4.05M	6.538M	4.05M	6.563M
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	13.8M	8.05M	13.575M
2437MHz	Pass	500k	8.55M	14.15M	8.5M	13.55M
2462MHz	Pass	500k	7.55M	13.125M	8.025M	13.1M
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.081M	6.222M	4.094M	5.435M
2437MHz	Pass	500k	4.075M	6.447M	4.1M	4.829M
2462MHz	Pass	500k	4.106M	4.173M	4.094M	4.142M
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.213M	8.75M	8.163M	8.575M
2437MHz	Pass	500k	8.175M	11.288M	8.188M	8.825M
2462MHz	Pass	500k	8.2M	8.475M	8.175M	8.388M
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.275M	16.575M	16.3M	16.55M
2437MHz	Pass	500k	15.675M	19.675M	15.325M	16.975M
2462MHz	Pass	500k	15.65M	16.55M	16.05M	16.525M
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	4.406M	7.275M	4.388M	6.331M
2437MHz	Pass	500k	4.375M	7.331M	4.4M	6.331M
2462MHz	Pass	500k	4.381M	4.45M	4.394M	4.431M
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.888M	9.713M	8.863M	9.388M
2437MHz	Pass	500k	8.838M	14.463M	8.875M	12.563M
2462MHz	Pass	500k	8.85M	9.288M	8.863M	9.125M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.5M	17.725M	16.525M	17.725M
2437MHz	Pass	500k	15.675M	19.725M	15.675M	17.9M
2462MHz	Pass	500k	16.05M	17.675M	16.9M	17.675M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.3M	36.4M	35.25M	36.45M
2437MHz	Pass	500k	34.95M	36.4M	35.05M	36.25M
2452MHz	Pass	500k	36.05M	36.7M	35.9M	36.6M

11b-5M_Nss1,(1Mbps)_2TX
EBW
2412MHz

03/02/2021

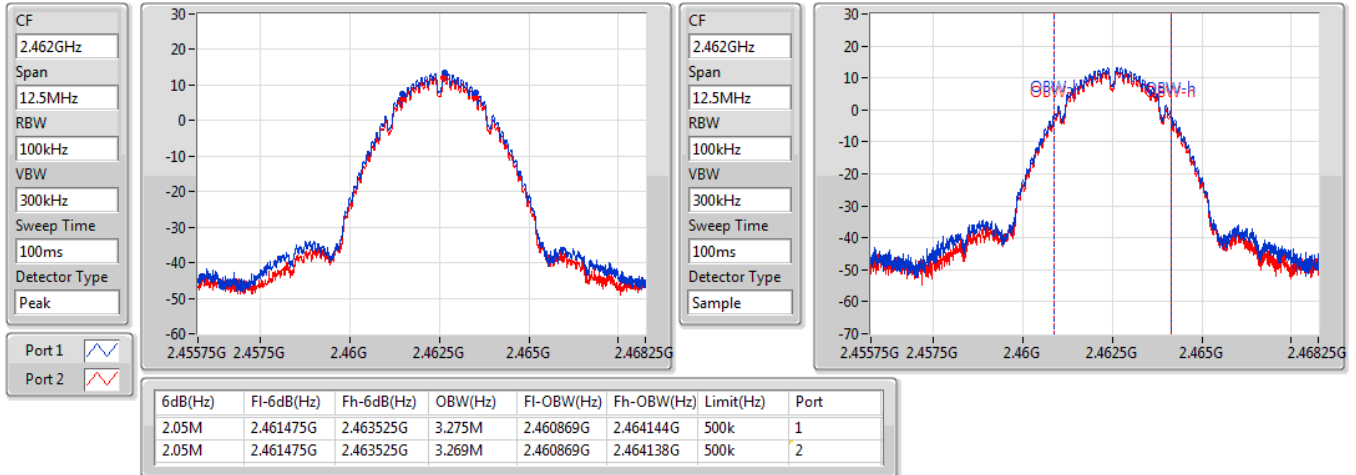

11b-5M_Nss1,(1Mbps)_2TX
EBW
2437MHz

03/02/2021

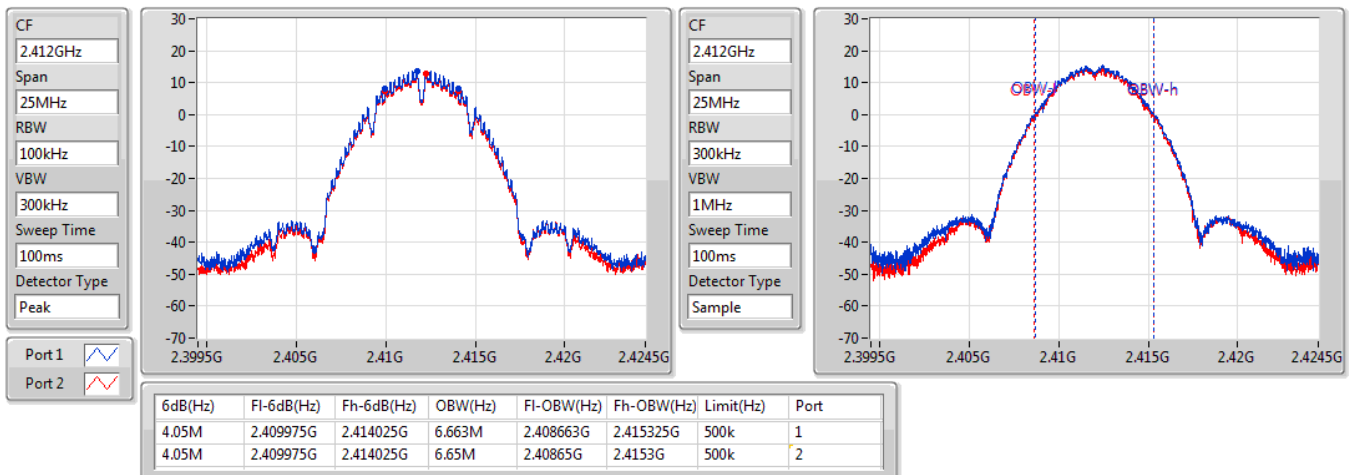


11b-5M_Nss1,(1Mbps)_2TX
EBW
2462MHz

03/02/2021

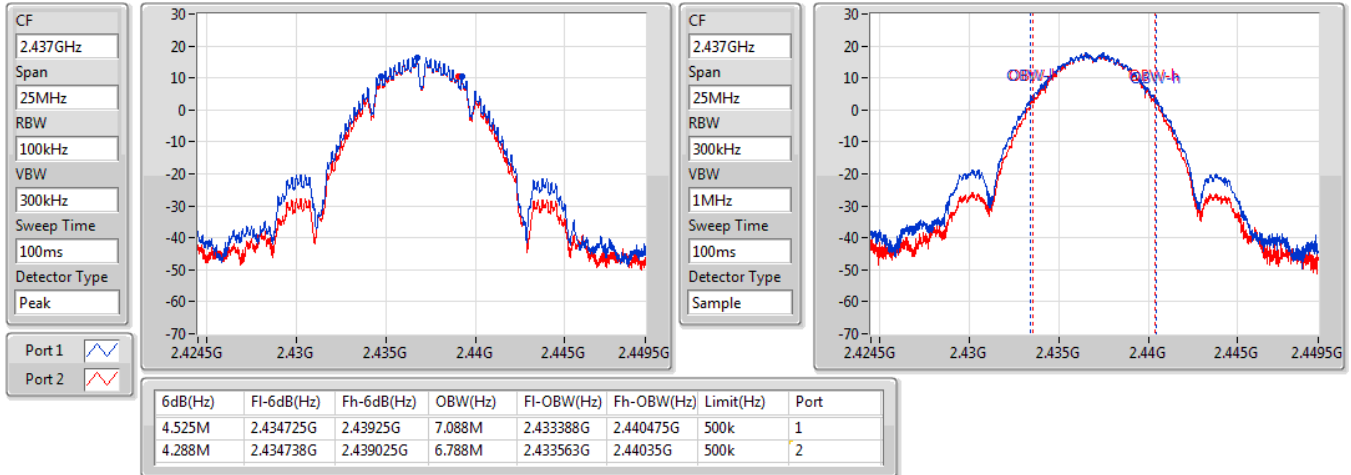

11b-10M_Nss1,(1Mbps)_2TX
EBW
2412MHz

03/02/2021

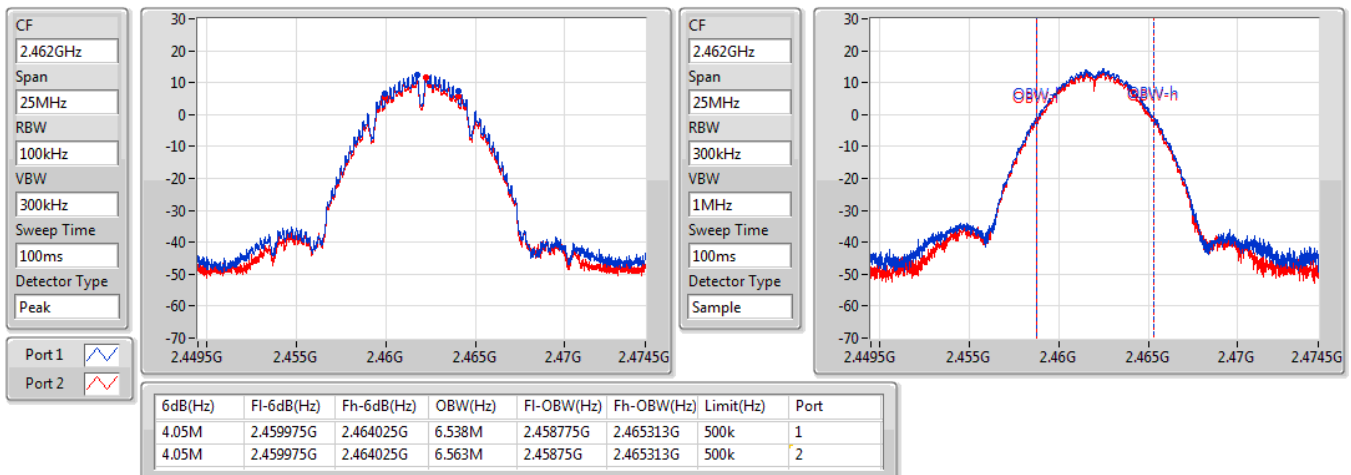


11b-10M_Nss1,(1Mbps)_2TX
EBW
2437MHz

03/02/2021

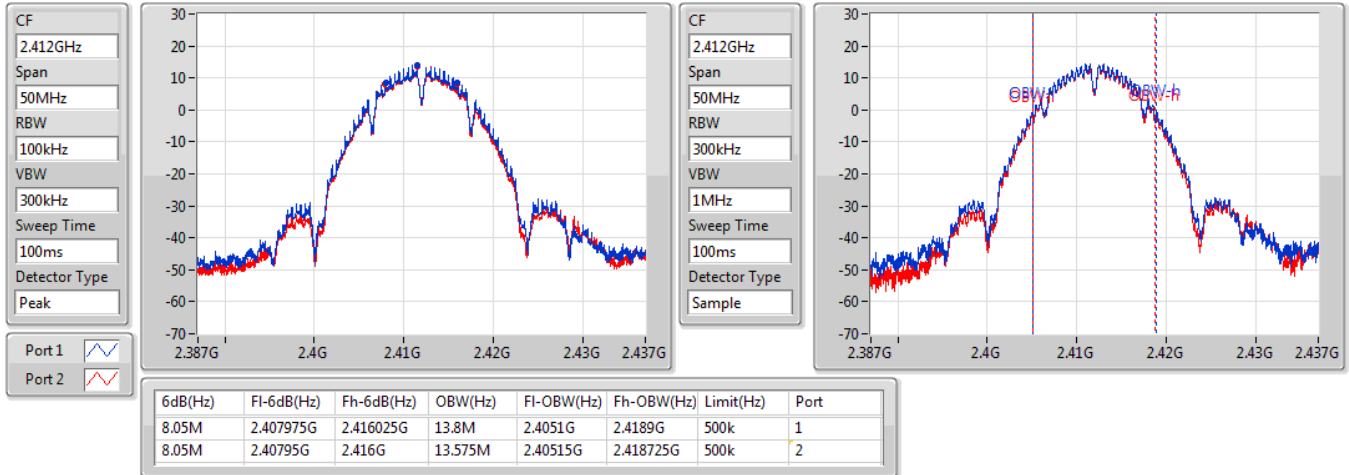

11b-10M_Nss1,(1Mbps)_2TX
EBW
2462MHz

03/02/2021

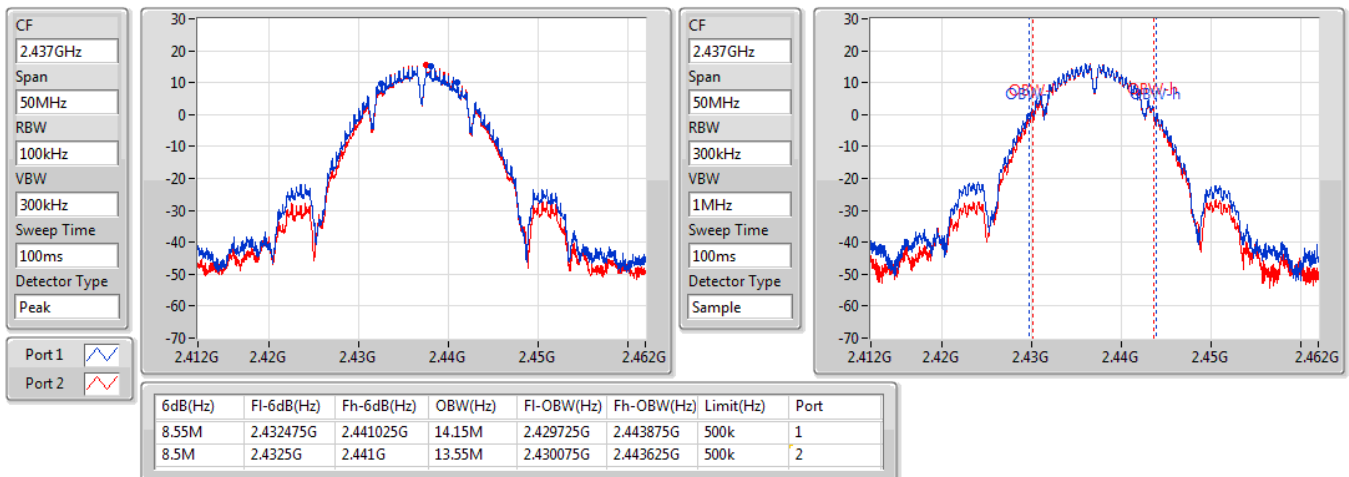


11b-20M_Nss1,(1Mbps)_2TX
EBW
2412MHz

02/02/2021

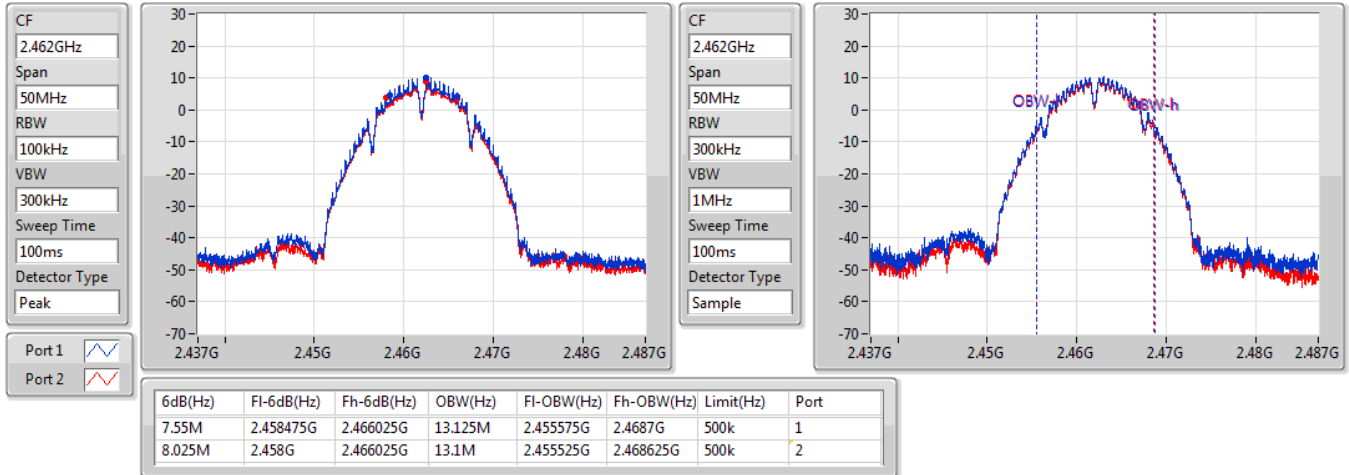

11b-20M_Nss1,(1Mbps)_2TX
EBW
2437MHz

02/02/2021

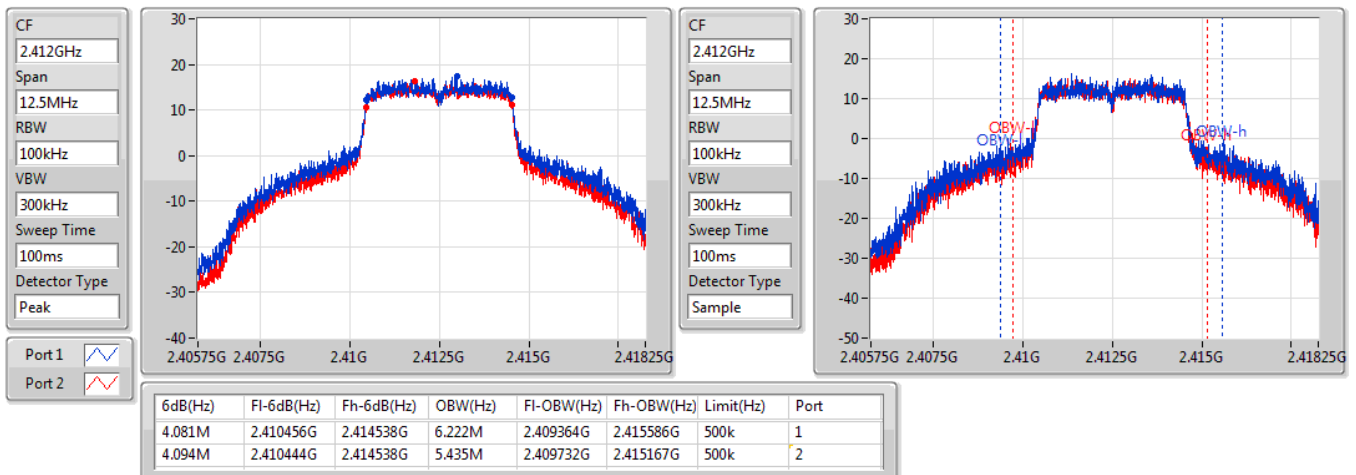


11b-20M_Nss1,(1Mbps)_2TX
EBW
2462MHz

02/02/2021

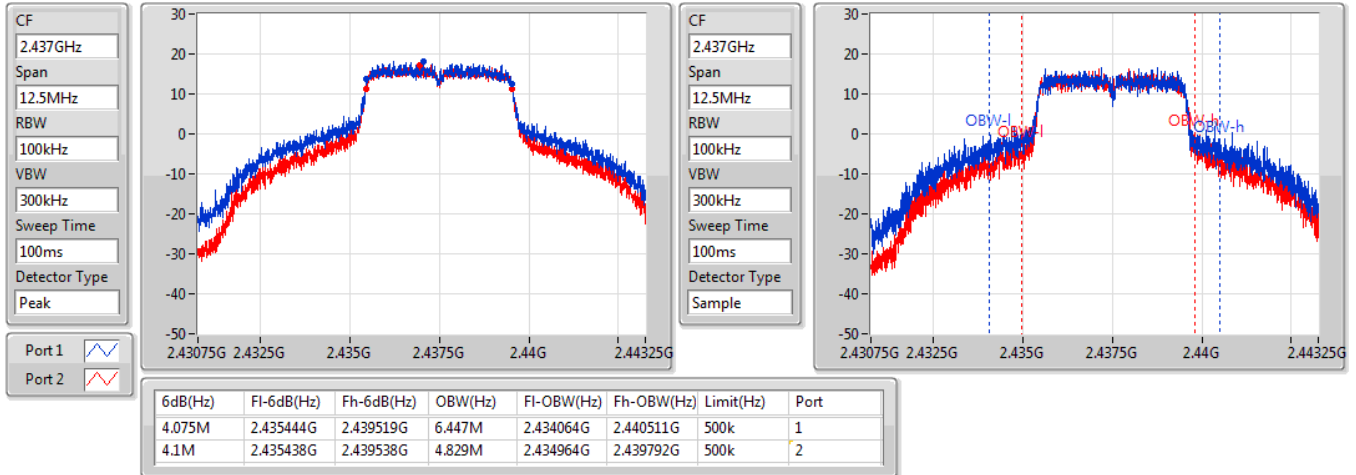

11g-5M_Nss1,(6Mbps)_2TX
EBW
2412MHz

18/02/2021

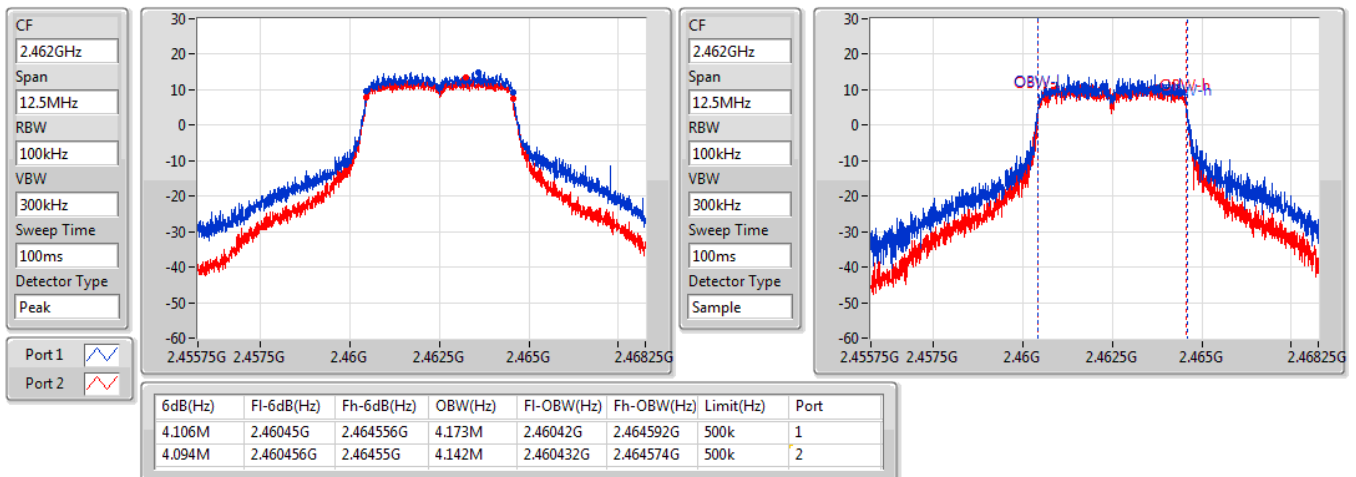


11g-5M_Nss1,(6Mbps)_2TX
EBW
2437MHz

18/02/2021

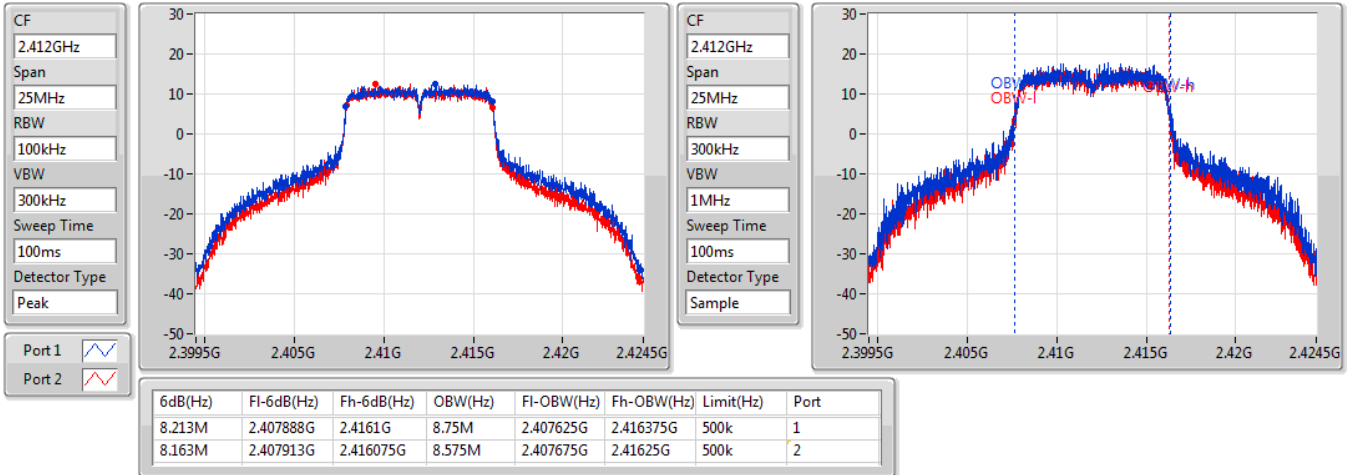

11g-5M_Nss1,(6Mbps)_2TX
EBW
2462MHz

18/02/2021

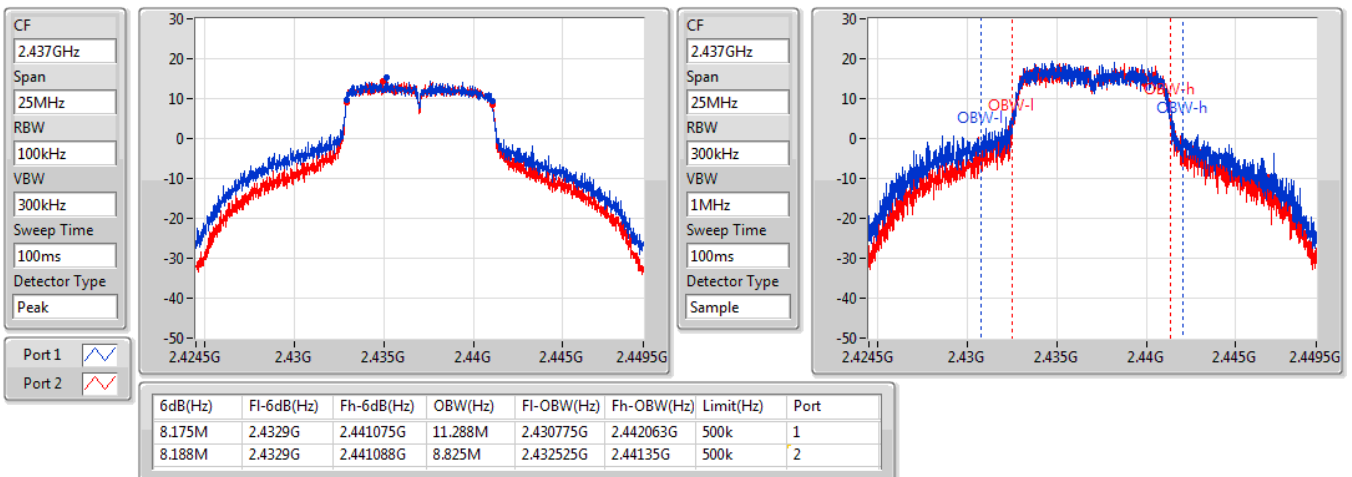


11g-10M_Nss1,(6Mbps)_2TX
2412MHz

03/02/2021

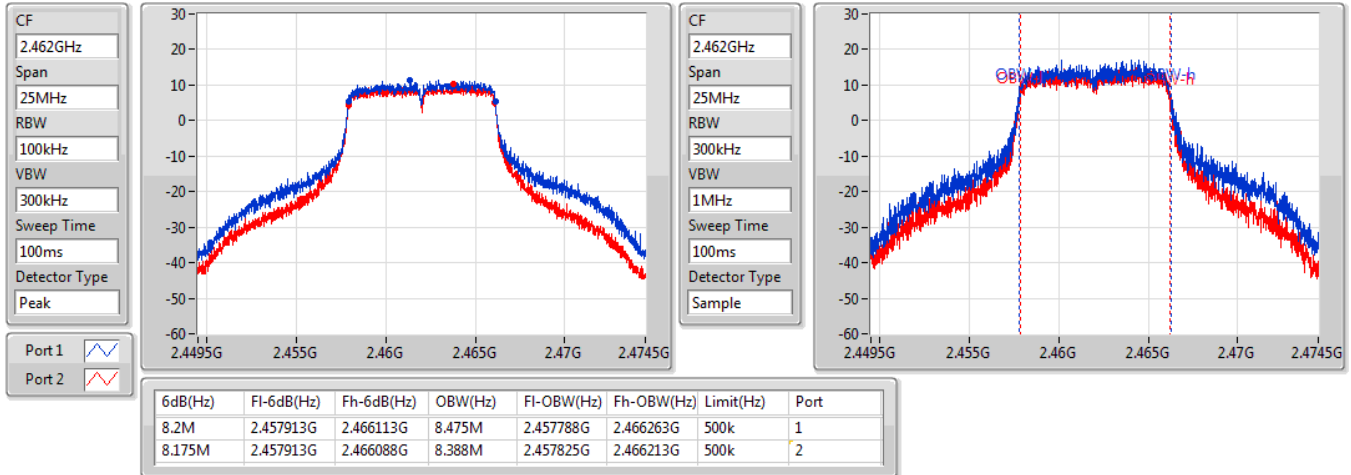

11g-10M_Nss1,(6Mbps)_2TX
2437MHz

03/02/2021

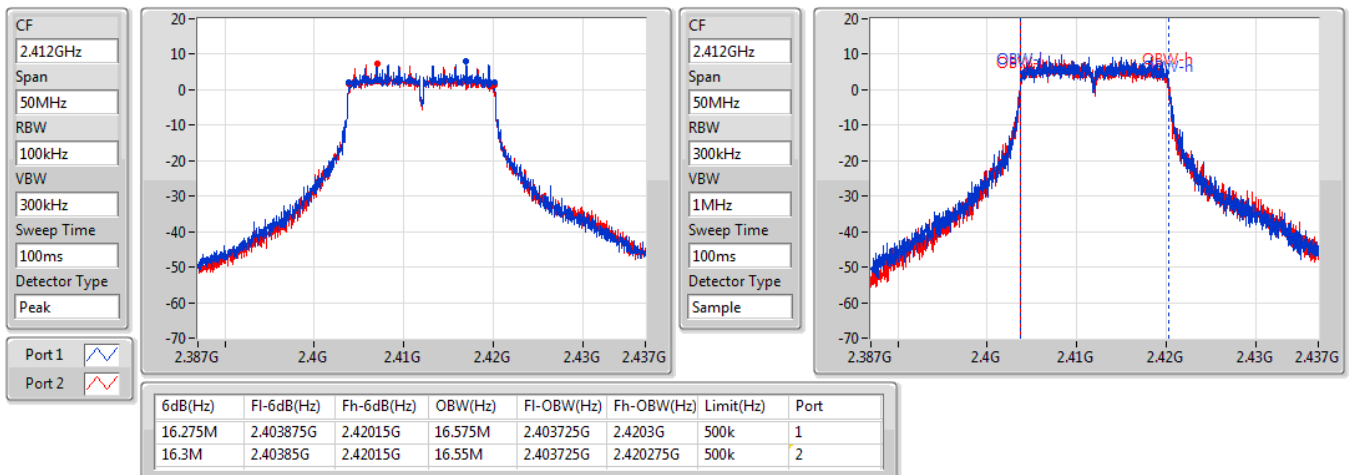


11g-10M_Nss1,(6Mbps)_2TX
EBW
2462MHz

03/02/2021

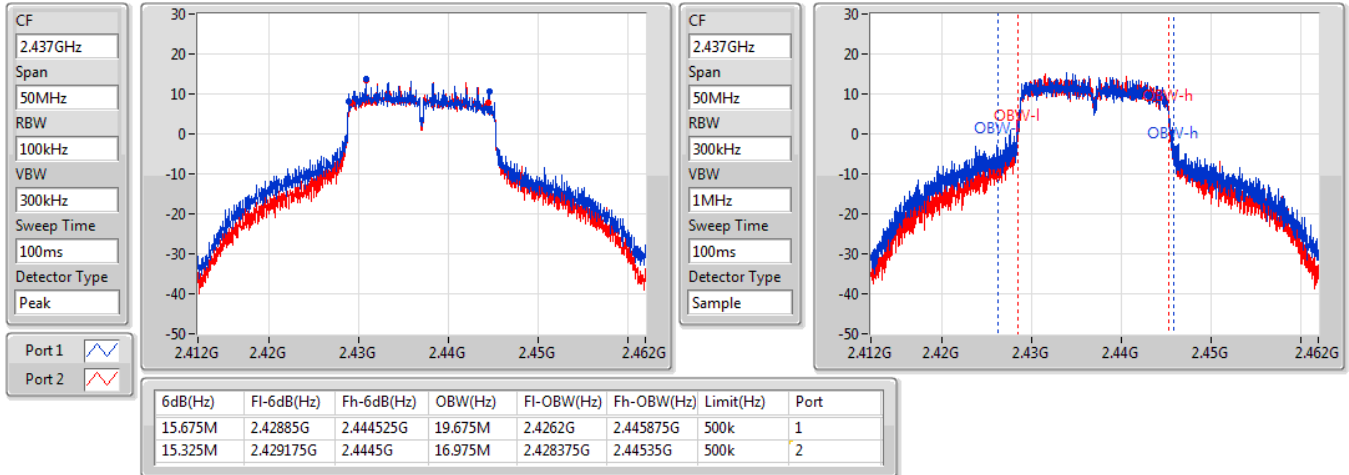

11g-20M_Nss1,(6Mbps)_2TX
EBW
2412MHz

02/02/2021

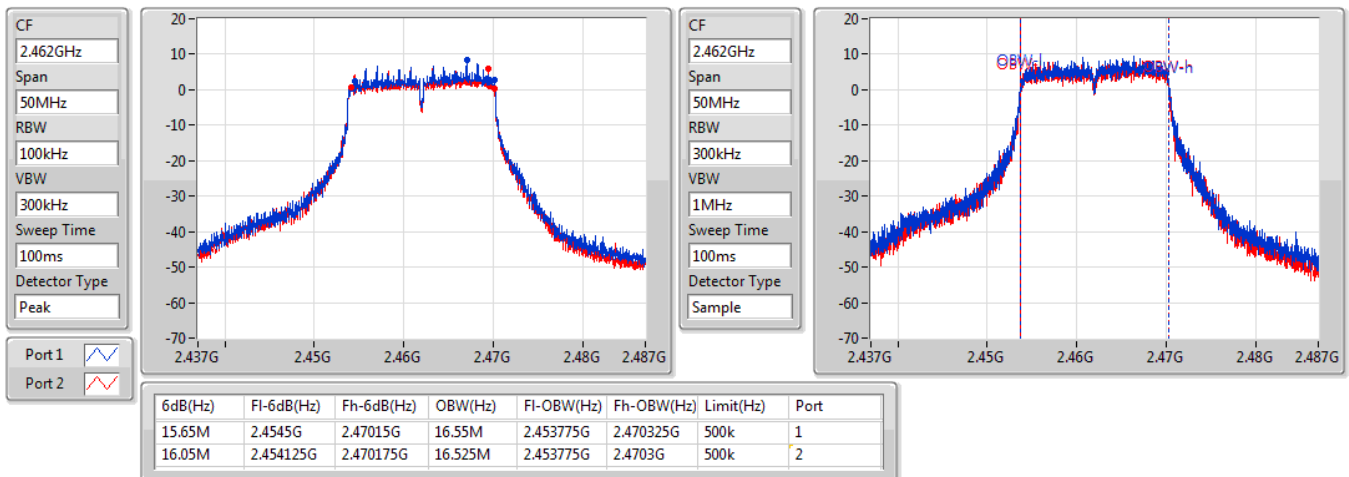


11g-20M_Nss1,(6Mbps)_2TX
EBW
2437MHz

02/02/2021

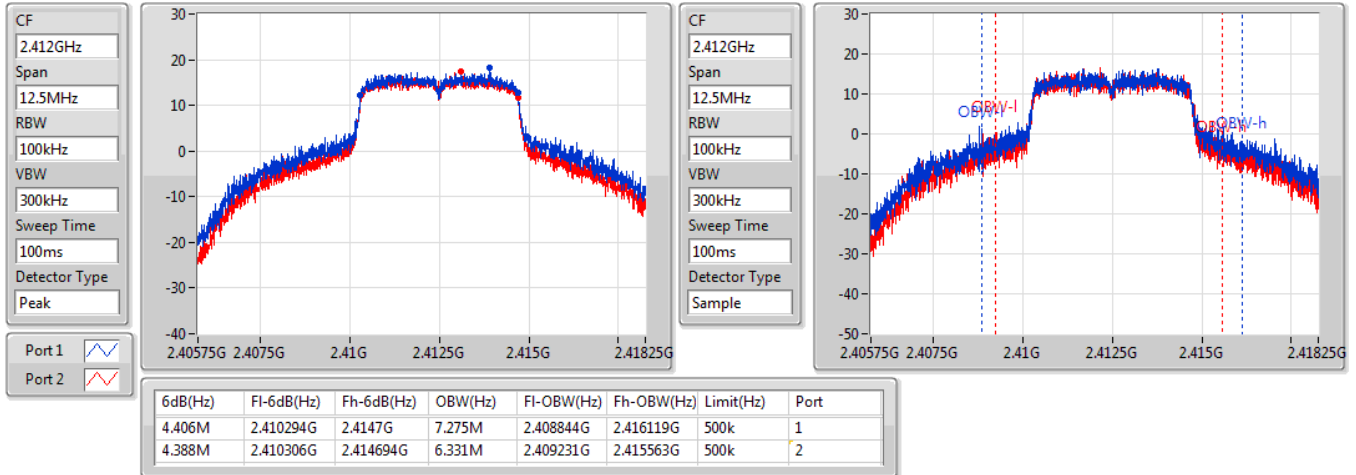

11g-20M_Nss1,(6Mbps)_2TX
EBW
2462MHz

02/02/2021

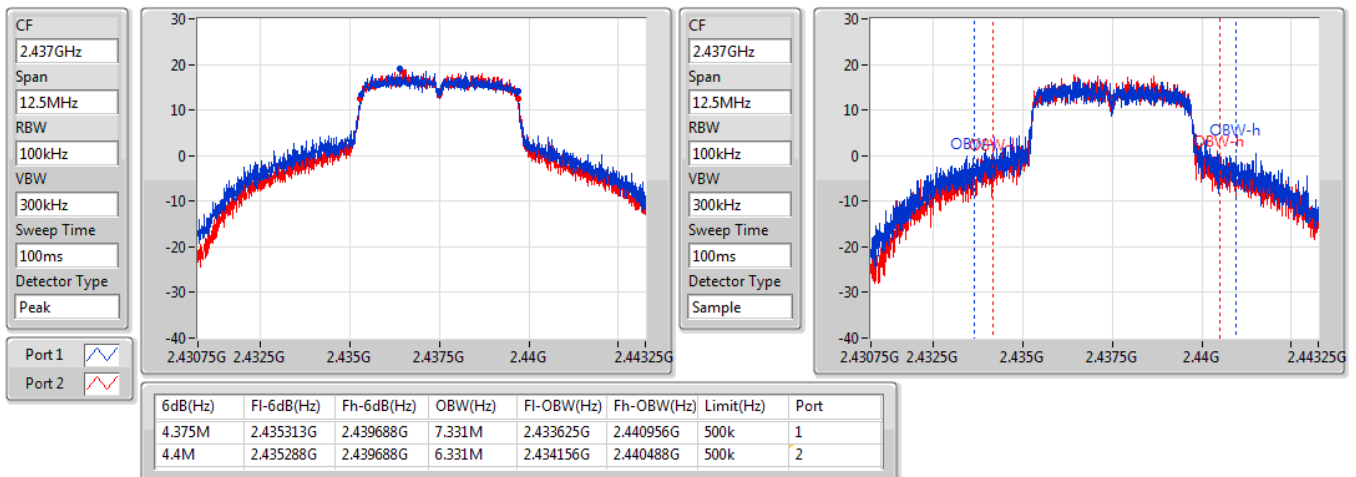


11n-5M_Nss1,(MCS0)_2TX
EBW
2412MHz

03/02/2021

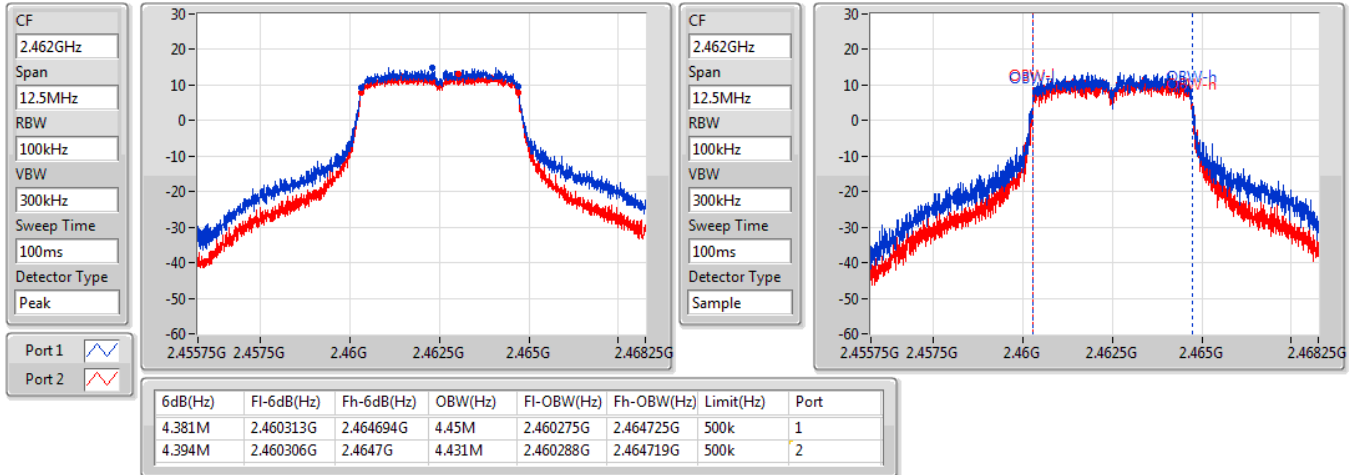

11n-5M_Nss1,(MCS0)_2TX
EBW
2437MHz

03/02/2021

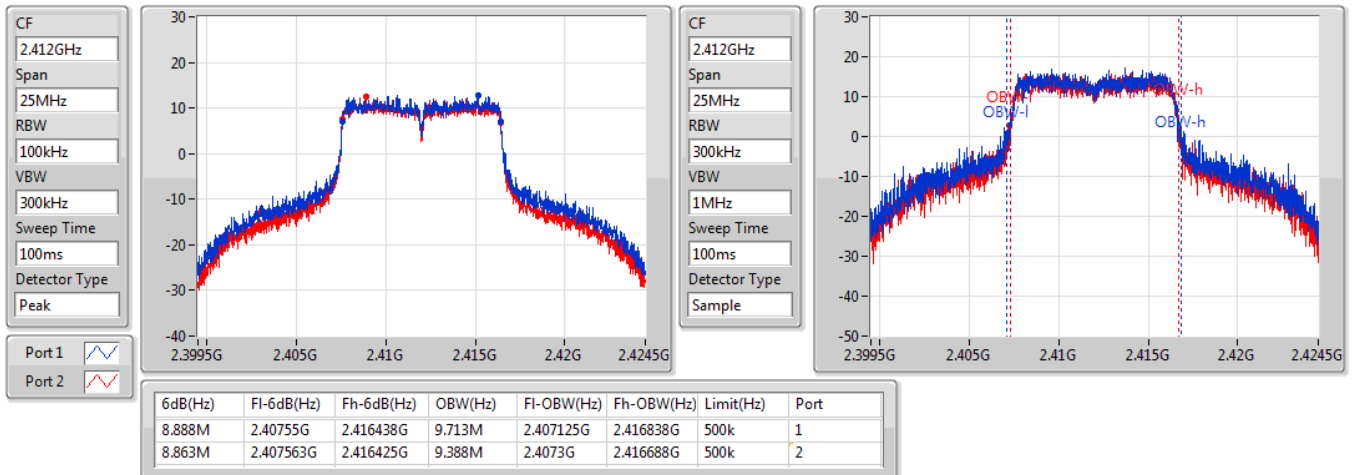


11n-5M_Nss1,(MCS0)_2TX
EBW
2462MHz

03/02/2021

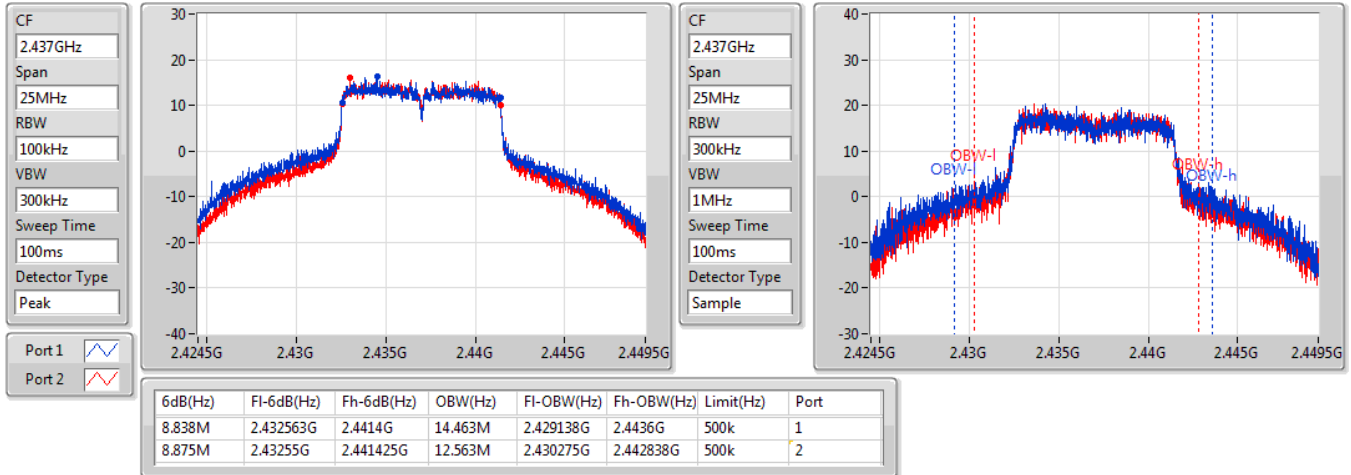

11n-10M_Nss1,(MCS0)_2TX
EBW
2412MHz

03/02/2021

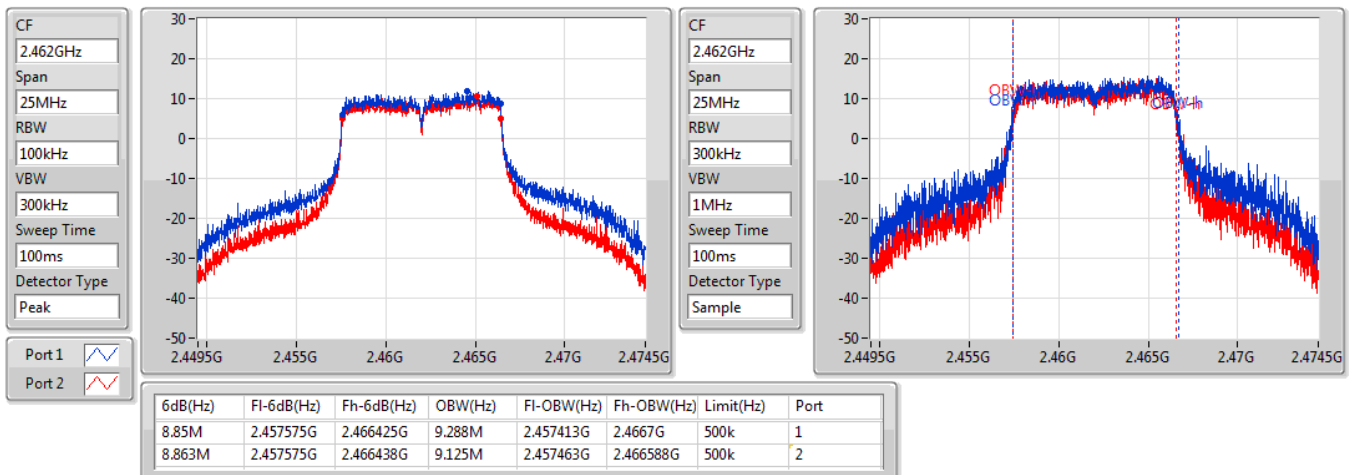


11n-10M_Nss1,(MCS0)_2TX
EBW
2437MHz

03/02/2021

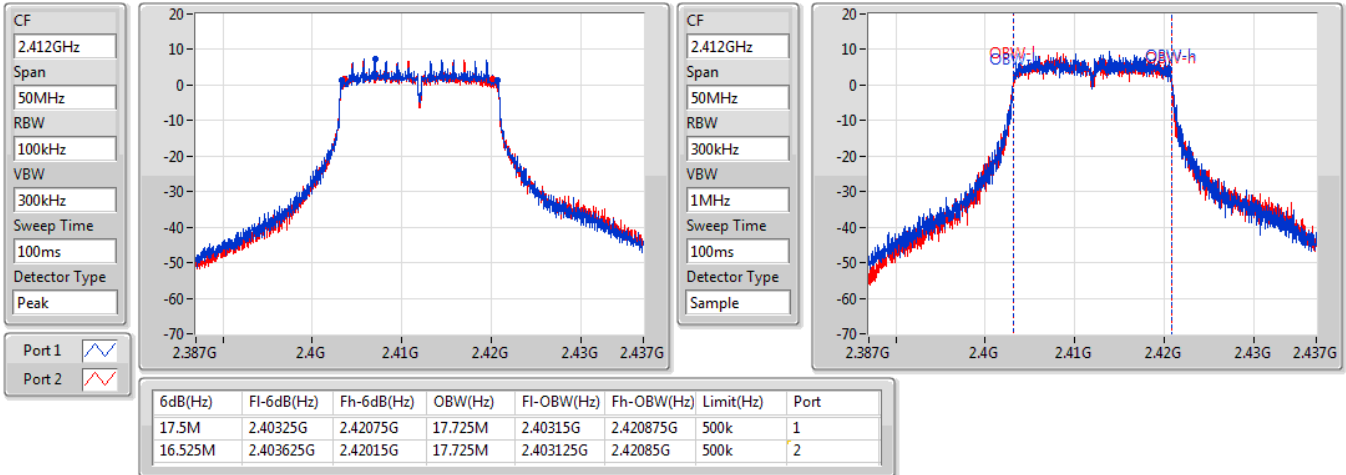

11n-10M_Nss1,(MCS0)_2TX
EBW
2462MHz

03/02/2021

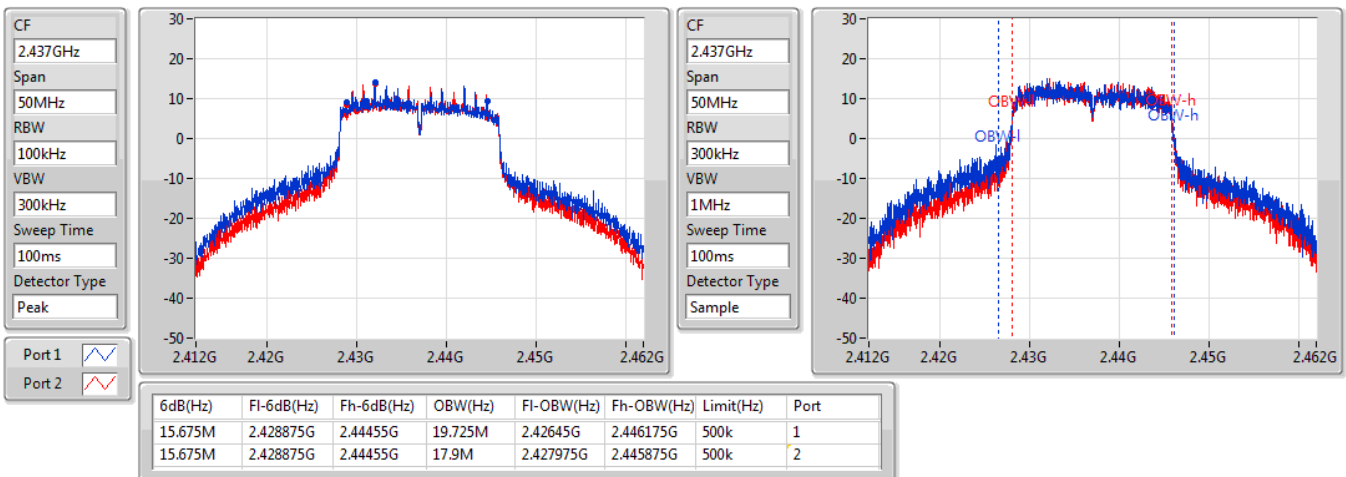


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2412MHz

02/02/2021

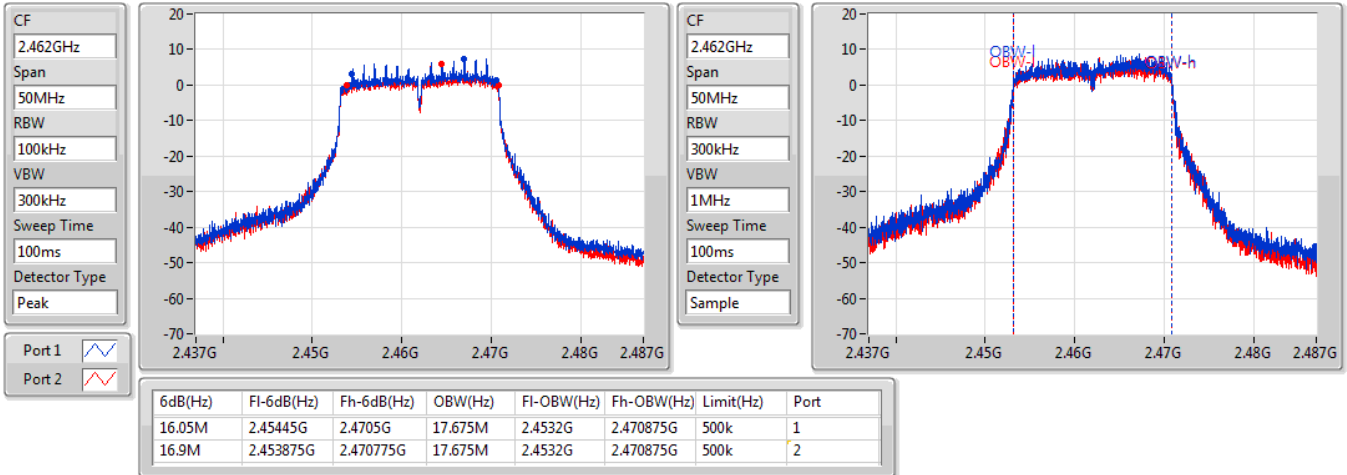

802.11n HT20_Nss1,(MCS0)_2TX
EBW
2437MHz

02/02/2021

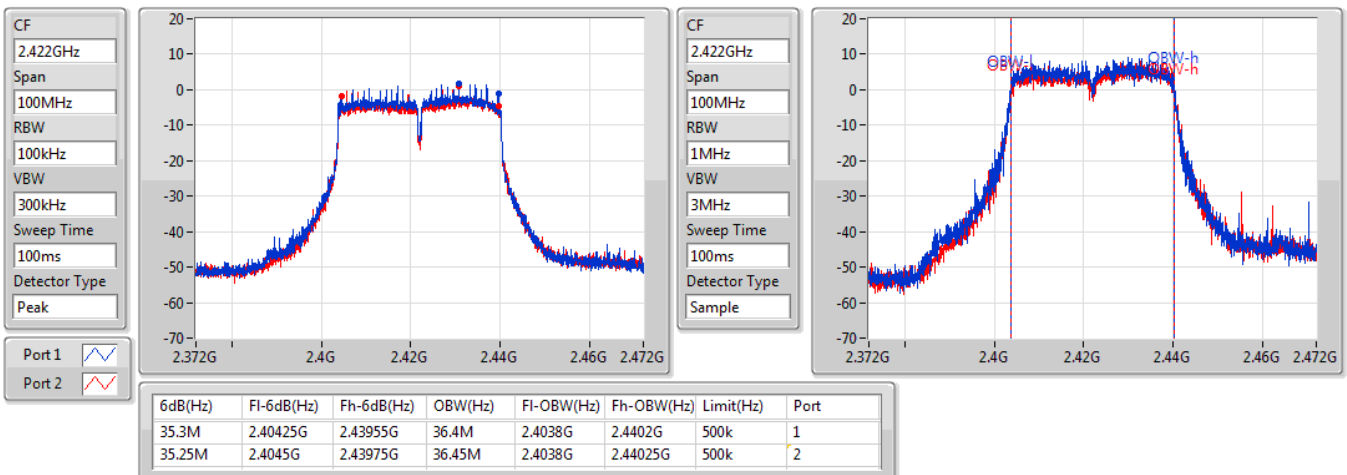


802.11n HT20_Nss1,(MCS0)_2TX
EBW
2462MHz

02/02/2021

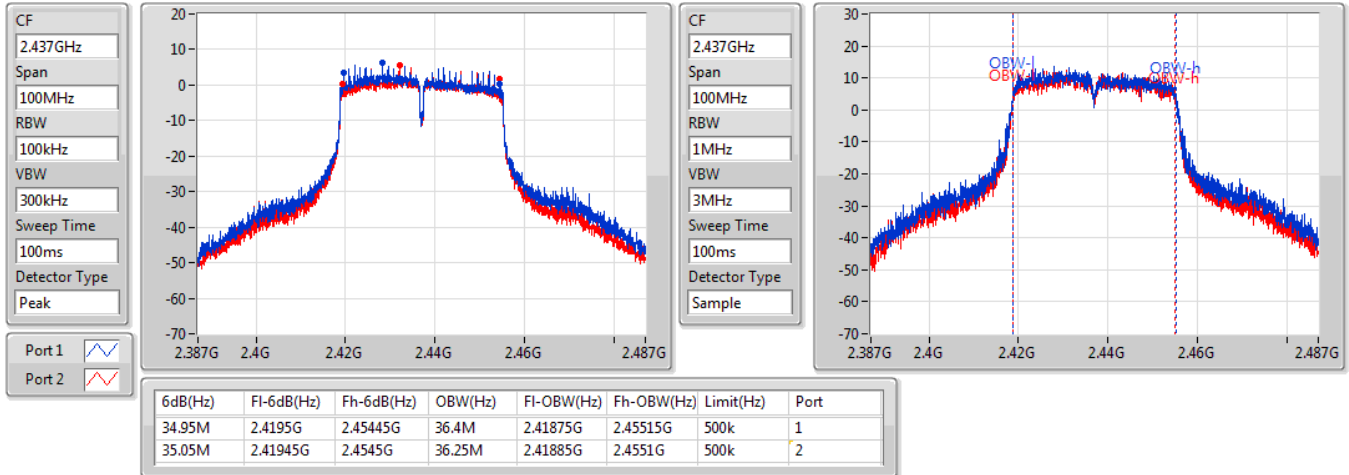

802.11n HT40_Nss1,(MCS0)_2TX
EBW
2422MHz

02/02/2021

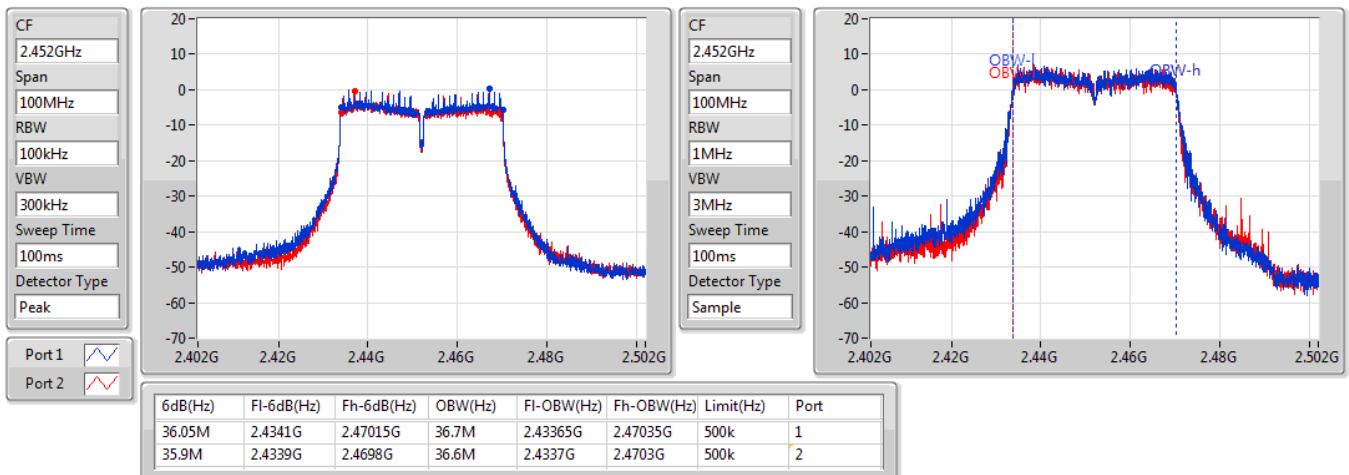


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2437MHz

02/02/2021


802.11n HT40_Nss1,(MCS0)_2TX
EBW
2452MHz

02/02/2021





Average Power_Case 1

Appendix C.1

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
11b-5M_Nss1,(1Mbps)_2TX	25.85	0.38459
11b-10M_Nss1,(1Mbps)_2TX	26.38	0.43451
11b-20M_Nss1,(1Mbps)_2TX	23.09	0.20370
11g-5M_Nss1,(6Mbps)_2TX	27.28	0.53456
11g-10M_Nss1,(6Mbps)_2TX	26.67	0.46452
11g-20M_Nss1,(6Mbps)_2TX	22.44	0.17539
11n-5M_Nss1,(MCS0)_2TX	27.40	0.54954
11n-10M_Nss1,(MCS0)_2TX	26.70	0.46774
802.11n HT20_Nss1,(MCS0)_2TX	25.44	0.34995
802.11n HT40_Nss1,(MCS0)_2TX	20.20	0.10471

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	16.76	15.91	19.37	30.00
2417MHz	Pass	2.80	14.74	13.46	17.16	30.00
2437MHz	Pass	2.80	23.11	22.56	25.85	30.00
2457MHz	Pass	2.80	13.76	13.34	16.57	30.00
2462MHz	Pass	2.80	17.15	15.86	19.56	30.00
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	16.76	15.92	19.37	30.00
2417MHz	Pass	2.80	14.49	13.27	16.93	30.00
2437MHz	Pass	2.80	23.56	23.18	26.38	30.00
2457MHz	Pass	2.80	15.09	14.04	17.61	30.00
2462MHz	Pass	2.80	18.46	17.03	20.81	30.00
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	15.81	15.48	18.66	30.00
2417MHz	Pass	2.80	17.59	16.76	20.21	30.00
2437MHz	Pass	2.80	20.35	19.79	23.09	30.00
2457MHz	Pass	2.80	17.49	16.92	20.22	30.00
2462MHz	Pass	2.80	18.16	17.34	20.78	30.00
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	20.34	19.49	22.95	30.00
2417MHz	Pass	2.80	21.09	20.09	23.63	30.00
2437MHz	Pass	2.80	24.19	24.34	27.28	30.00
2457MHz	Pass	2.80	20.64	19.49	23.11	30.00
2462MHz	Pass	2.80	22.96	22.68	25.83	30.00
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	20.53	19.82	23.20	30.00
2417MHz	Pass	2.80	20.96	19.95	23.49	30.00
2437MHz	Pass	2.80	23.78	23.54	26.67	30.00
2457MHz	Pass	2.80	20.09	18.95	22.57	30.00
2462MHz	Pass	2.80	21.46	20.34	23.95	30.00
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	15.43	14.89	18.18	30.00
2417MHz	Pass	2.80	17.48	16.85	20.19	30.00
2437MHz	Pass	2.80	19.66	19.18	22.44	30.00
2457MHz	Pass	2.80	14.90	14.41	17.67	30.00
2462MHz	Pass	2.80	15.53	14.80	18.19	30.00
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	20.04	18.49	22.34	30.00
2417MHz	Pass	2.80	20.90	19.68	23.34	30.00
2437MHz	Pass	2.80	24.46	24.32	27.40	30.00
2457MHz	Pass	2.80	20.87	19.58	23.28	30.00
2462MHz	Pass	2.80	22.67	22.10	25.40	30.00
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	19.84	20.46	23.17	30.00
2417MHz	Pass	2.80	19.02	20.32	22.73	30.00
2437MHz	Pass	2.80	23.47	23.89	26.70	30.00
2457MHz	Pass	2.80	18.76	19.69	22.26	30.00
2462MHz	Pass	2.80	20.09	21.05	23.61	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.80	15.71	15.34	18.54	30.00
2417MHz	Pass	2.80	20.56	19.91	23.26	30.00
2437MHz	Pass	2.80	22.63	22.22	25.44	30.00
2457MHz	Pass	2.80	17.64	17.10	20.39	30.00
2462MHz	Pass	2.80	15.38	14.68	18.05	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-



Average Power_Case 1

Appendix C.1

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2422MHz	Pass	2.80	13.08	12.45	15.79	30.00
2427MHz	Pass	2.80	17.47	16.88	20.20	30.00
2437MHz	Pass	2.80	13.25	12.53	15.92	30.00
2452MHz	Pass	2.80	13.17	12.70	15.95	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
11b-5M_Nss1,(1Mbps)_2TX	26.44	0.44055
11b-10M_Nss1,(1Mbps)_2TX	26.12	0.40926
11b-20M_Nss1,(1Mbps)_2TX	21.14	0.13002
11g-5M_Nss1,(6Mbps)_2TX	27.56	0.57016
11g-10M_Nss1,(6Mbps)_2TX	26.69	0.46666
11g-20M_Nss1,(6Mbps)_2TX	25.87	0.38637
11n-5M_Nss1,(MCS0)_2TX	27.45	0.55590
11n-10M_Nss1,(MCS0)_2TX	26.38	0.43451
802.11n HT20_Nss1,(MCS0)_2TX	25.84	0.38371
802.11n HT40_Nss1,(MCS0)_2TX	20.80	0.12023

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	15.67	14.96	18.34	30.00
2417MHz	Pass	3.60	14.94	13.83	17.43	30.00
2437MHz	Pass	3.60	23.63	23.22	26.44	30.00
2457MHz	Pass	3.60	15.60	14.40	18.05	30.00
2462MHz	Pass	3.60	17.98	16.42	20.28	30.00
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	17.90	16.87	20.43	30.00
2417MHz	Pass	3.60	17.68	16.40	20.10	30.00
2437MHz	Pass	3.60	23.35	22.86	26.12	30.00
2457MHz	Pass	3.60	17.69	16.40	20.10	30.00
2462MHz	Pass	3.60	19.74	18.42	22.14	30.00
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	16.83	16.40	19.63	30.00
2417MHz	Pass	3.60	15.15	14.34	17.77	30.00
2437MHz	Pass	3.60	18.44	17.79	21.14	30.00
2457MHz	Pass	3.60	13.32	12.87	16.11	30.00
2462MHz	Pass	3.60	15.05	14.27	17.69	30.00
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	20.32	19.57	22.97	30.00
2417MHz	Pass	3.60	21.09	20.14	23.65	30.00
2437MHz	Pass	3.60	24.36	24.74	27.56	30.00
2457MHz	Pass	3.60	20.67	19.54	23.15	30.00
2462MHz	Pass	3.60	22.10	20.93	24.56	30.00
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	20.53	19.82	23.20	30.00
2417MHz	Pass	3.60	20.99	20.00	23.53	30.00
2437MHz	Pass	3.60	23.77	23.59	26.69	30.00
2457MHz	Pass	3.60	20.54	19.43	23.03	30.00
2462MHz	Pass	3.60	21.84	20.77	24.35	30.00
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	17.77	17.34	20.57	30.00
2417MHz	Pass	3.60	20.72	20.05	23.41	30.00
2437MHz	Pass	3.60	23.01	22.70	25.87	30.00
2457MHz	Pass	3.60	19.43	18.78	22.13	30.00
2462MHz	Pass	3.60	16.64	15.68	19.20	30.00
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	20.17	19.32	22.78	30.00
2417MHz	Pass	3.60	21.28	20.31	23.83	30.00
2437MHz	Pass	3.60	24.51	24.37	27.45	30.00
2457MHz	Pass	3.60	21.19	20.17	23.72	30.00
2462MHz	Pass	3.60	22.25	21.13	24.74	30.00
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	19.42	18.95	22.20	30.00
2417MHz	Pass	3.60	20.22	19.33	22.81	30.00
2437MHz	Pass	3.60	23.50	23.23	26.38	30.00
2457MHz	Pass	3.60	20.10	19.35	22.75	30.00
2462MHz	Pass	3.60	21.18	20.23	23.74	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	18.48	18.17	21.34	30.00
2417MHz	Pass	3.60	21.71	21.14	24.44	30.00
2437MHz	Pass	3.60	22.99	22.67	25.84	30.00
2457MHz	Pass	3.60	18.74	18.17	21.47	30.00
2462MHz	Pass	3.60	16.85	16.04	19.47	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-



Average Power_Case 2

Appendix C.2

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2422MHz	Pass	3.60	14.09	13.34	16.74	30.00
2427MHz	Pass	3.60	15.62	14.84	18.26	30.00
2437MHz	Pass	3.60	18.07	17.50	20.80	30.00
2447MHz	Pass	3.60	15.32	14.90	18.13	30.00
2452MHz	Pass	3.60	14.12	13.68	16.92	30.00

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
11b-5M_Nss1,(1Mbps)_2TX	26.29	0.42560
11b-10M_Nss1,(1Mbps)_2TX	26.60	0.45709
11b-20M_Nss1,(1Mbps)_2TX	28.02	0.63387
11g-5M_Nss1,(6Mbps)_2TX	27.53	0.56624
11g-10M_Nss1,(6Mbps)_2TX	26.43	0.43954
11g-20M_Nss1,(6Mbps)_2TX	25.66	0.36813
11n-5M_Nss1,(MCS0)_2TX	27.48	0.55976
11n-10M_Nss1,(MCS0)_2TX	26.87	0.48641
802.11n HT20_Nss1,(MCS0)_2TX	25.91	0.38994
802.11n HT40_Nss1,(MCS0)_2TX	22.39	0.17338

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	19.45	18.57	22.04	30.00
2417MHz	Pass	3.60	17.26	16.09	19.72	30.00
2437MHz	Pass	3.60	23.57	22.97	26.29	30.00
2457MHz	Pass	3.60	17.76	16.48	20.18	30.00
2462MHz	Pass	3.60	18.34	16.96	20.71	30.00
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	18.58	17.55	21.11	30.00
2417MHz	Pass	3.60	19.17	17.82	21.56	30.00
2437MHz	Pass	3.60	23.77	23.41	26.60	30.00
2457MHz	Pass	3.60	22.47	21.72	25.12	30.00
2462MHz	Pass	3.60	21.00	19.89	23.49	30.00
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	18.86	18.06	21.49	30.00
2417MHz	Pass	3.60	17.96	17.02	20.53	30.00
2437MHz	Pass	3.60	24.90	25.11	28.02	30.00
2457MHz	Pass	3.60	19.39	18.86	22.14	30.00
2462MHz	Pass	3.60	20.10	19.29	22.72	30.00
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	21.70	20.93	24.34	30.00
2417MHz	Pass	3.60	21.30	20.24	23.81	30.00
2437MHz	Pass	3.60	24.55	24.48	27.53	30.00
2457MHz	Pass	3.60	22.22	21.36	24.82	30.00
2462MHz	Pass	3.60	21.87	20.64	24.31	30.00
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	21.19	20.63	23.93	30.00
2417MHz	Pass	3.60	21.50	20.57	24.07	30.00
2437MHz	Pass	3.60	23.64	23.18	26.43	30.00
2457MHz	Pass	3.60	21.41	20.46	23.97	30.00
2462MHz	Pass	3.60	21.62	20.57	24.14	30.00
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	17.24	16.73	20.00	30.00
2417MHz	Pass	3.60	20.71	19.91	23.34	30.00
2437MHz	Pass	3.60	22.82	22.48	25.66	30.00
2457MHz	Pass	3.60	18.98	18.44	21.73	30.00
2462MHz	Pass	3.60	17.53	16.82	20.20	30.00
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	21.64	20.86	24.28	30.00
2417MHz	Pass	3.60	21.88	20.95	24.45	30.00
2437MHz	Pass	3.60	24.55	24.38	27.48	30.00
2457MHz	Pass	3.60	22.12	21.26	24.72	30.00
2462MHz	Pass	3.60	21.73	20.47	24.16	30.00
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	21.47	20.89	24.20	30.00
2417MHz	Pass	3.60	21.46	20.47	24.00	30.00
2437MHz	Pass	3.60	23.99	23.73	26.87	30.00
2457MHz	Pass	3.60	21.22	20.41	23.84	30.00
2462MHz	Pass	3.60	21.08	20.03	23.60	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	16.73	16.10	19.44	30.00
2417MHz	Pass	3.60	20.20	19.44	22.85	30.00
2437MHz	Pass	3.60	23.05	22.75	25.91	30.00
2457MHz	Pass	3.60	18.55	18.67	21.62	30.00
2462MHz	Pass	3.60	17.29	16.72	20.02	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-



Average Power_Case 3

Appendix C.3

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2422MHz	Pass	3.60	15.04	14.29	17.69	30.00
2427MHz	Pass	3.60	15.49	14.85	18.19	30.00
2437MHz	Pass	3.60	19.75	18.98	22.39	30.00
2447MHz	Pass	3.60	15.96	15.40	18.70	30.00
2452MHz	Pass	3.60	15.32	14.83	18.09	30.00

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
11b-5M_Nss1,(1Mbps)_2TX	26.59	0.45604
11b-10M_Nss1,(1Mbps)_2TX	26.90	0.48978
11b-20M_Nss1,(1Mbps)_2TX	27.13	0.51642
11g-5M_Nss1,(6Mbps)_2TX	27.52	0.56494
11g-10M_Nss1,(6Mbps)_2TX	27.24	0.52966
11g-20M_Nss1,(6Mbps)_2TX	26.92	0.49204
11n-5M_Nss1,(MCS0)_2TX	27.52	0.56494
11n-10M_Nss1,(MCS0)_2TX	27.81	0.60395
802.11n HT20_Nss1,(MCS0)_2TX	26.83	0.48195
802.11n HT40_Nss1,(MCS0)_2TX	22.41	0.17418

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	20.84	19.99	23.45	30.00
2417MHz	Pass	3.60	19.80	18.68	22.29	30.00
2437MHz	Pass	3.60	23.80	23.35	26.59	30.00
2457MHz	Pass	3.60	20.05	19.03	22.58	30.00
2462MHz	Pass	3.60	20.72	19.52	23.17	30.00
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	21.15	20.45	23.82	30.00
2417MHz	Pass	3.60	19.20	17.86	21.59	30.00
2437MHz	Pass	3.60	24.05	23.73	26.90	30.00
2457MHz	Pass	3.60	19.88	18.92	22.44	30.00
2462MHz	Pass	3.60	20.11	19.00	22.60	30.00
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	22.63	22.22	25.44	30.00
2417MHz	Pass	3.60	18.99	18.27	21.66	30.00
2437MHz	Pass	3.60	24.16	24.07	27.13	30.00
2457MHz	Pass	3.60	19.52	18.93	22.25	30.00
2462MHz	Pass	3.60	18.67	17.92	21.32	30.00
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	23.81	23.37	26.61	30.00
2437MHz	Pass	3.60	24.57	24.44	27.52	30.00
2457MHz	Pass	3.60	23.69	24.15	26.94	30.00
2462MHz	Pass	3.60	21.71	20.65	24.22	30.00
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	22.57	22.02	25.31	30.00
2417MHz	Pass	3.60	22.58	21.71	25.18	30.00
2437MHz	Pass	3.60	24.31	24.14	27.24	30.00
2457MHz	Pass	3.60	22.35	21.64	25.02	30.00
2462MHz	Pass	3.60	21.66	20.52	24.14	30.00
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	18.63	18.06	21.36	30.00
2417MHz	Pass	3.60	21.89	21.18	24.56	30.00
2437MHz	Pass	3.60	23.96	23.85	26.92	30.00
2457MHz	Pass	3.60	20.37	19.69	23.05	30.00
2462MHz	Pass	3.60	18.48	17.58	21.06	30.00
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	23.79	23.37	26.60	30.00
2437MHz	Pass	3.60	24.60	24.41	27.52	30.00
2457MHz	Pass	3.60	24.63	24.14	27.40	30.00
2462MHz	Pass	3.60	21.75	20.55	24.20	30.00
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	22.20	21.57	24.91	30.00
2417MHz	Pass	3.60	22.21	21.30	24.79	30.00
2437MHz	Pass	3.60	24.72	24.88	27.81	30.00
2457MHz	Pass	3.60	21.98	21.26	24.65	30.00
2462MHz	Pass	3.60	21.16	20.12	23.68	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	3.60	18.48	17.96	21.24	30.00
2417MHz	Pass	3.60	21.78	21.06	24.45	30.00
2437MHz	Pass	3.60	23.89	23.75	26.83	30.00
2457MHz	Pass	3.60	18.83	18.65	21.75	30.00
2462MHz	Pass	3.60	17.86	16.98	20.45	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	3.60	15.47	14.69	18.11	30.00
2427MHz	Pass	3.60	17.46	16.86	20.18	30.00



Average Power_Case 4

Appendix C.4

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
2437MHz	Pass	3.60	19.74	19.03	22.41	30.00
2447MHz	Pass	3.60	17.29	16.76	20.04	30.00
2452MHz	Pass	3.60	14.15	13.67	16.93	30.00

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
11b-5M_Nss1,(1Mbps)_2TX	2.59
11b-10M_Nss1,(1Mbps)_2TX	1.95
11b-20M_Nss1,(1Mbps)_2TX	-3.31
11g-5M_Nss1,(6Mbps)_2TX	1.31
11g-10M_Nss1,(6Mbps)_2TX	-0.68
11g-20M_Nss1,(6Mbps)_2TX	-5.62
11n-5M_Nss1,(MCS0)_2TX	6.35
11n-10M_Nss1,(MCS0)_2TX	2.16
802.11n HT20_Nss1,(MCS0)_2TX	-3.85
802.11n HT40_Nss1,(MCS0)_2TX	-12.97

RBW = 3kHz;

Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-1.39	-1.13	0.52	8.00
2437MHz	Pass	5.81	-0.76	-0.12	1.37	8.00
2462MHz	Pass	5.81	0.42	-1.38	2.59	8.00
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-1.03	-1.72	0.70	8.00
2437MHz	Pass	5.81	0.06	-0.15	1.95	8.00
2462MHz	Pass	5.81	0.16	-1.41	1.18	8.00
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-6.54	-7.47	-5.09	8.00
2437MHz	Pass	5.81	-5.47	-5.65	-3.56	8.00
2462MHz	Pass	5.81	-5.86	-5.50	-3.31	8.00
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-2.34	-3.65	-0.92	8.00
2437MHz	Pass	5.81	-1.04	-1.08	1.31	8.00
2462MHz	Pass	5.81	-2.53	-2.42	-0.43	8.00
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-3.42	-3.86	-2.00	8.00
2437MHz	Pass	5.81	-1.83	-3.63	-0.68	8.00
2462MHz	Pass	5.81	-4.23	-4.25	-2.42	8.00
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-10.83	-11.05	-8.56	8.00
2437MHz	Pass	5.81	-6.80	-7.95	-5.62	8.00
2462MHz	Pass	5.81	-9.11	-10.45	-8.23	8.00
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-2.61	-1.95	-0.29	8.00
2437MHz	Pass	5.81	3.75	2.92	6.35	8.00
2462MHz	Pass	5.81	-2.23	-2.75	-0.40	8.00
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-3.77	-2.36	-0.65	8.00
2437MHz	Pass	5.81	-0.27	0.74	2.16	8.00
2462MHz	Pass	5.81	-4.18	-2.76	-0.90	8.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.81	-10.70	-10.59	-8.54	8.00
2437MHz	Pass	5.81	-4.65	-6.54	-3.85	8.00
2462MHz	Pass	5.81	-10.19	-11.37	-8.91	8.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.81	-14.76	-16.50	-12.97	8.00
2437MHz	Pass	5.81	-15.06	-16.35	-13.14	8.00
2452MHz	Pass	5.81	-15.12	-14.54	-13.24	8.00

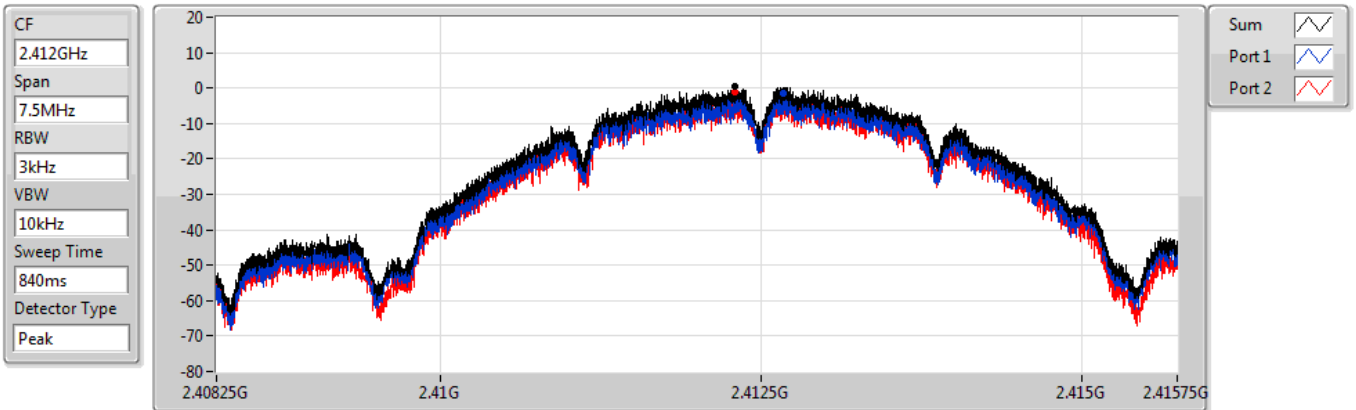
DG = Directional Gain; RBW = 3kHz;
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

11b-5M_Nss1,(1Mbps)_2TX

PSD

2412MHz

27/01/2021

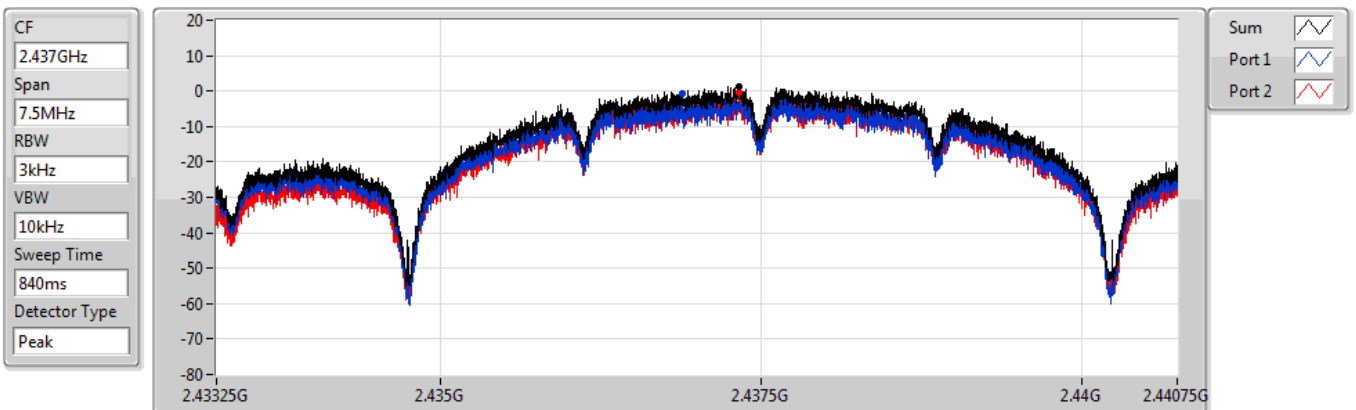


11b-5M_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/01/2021

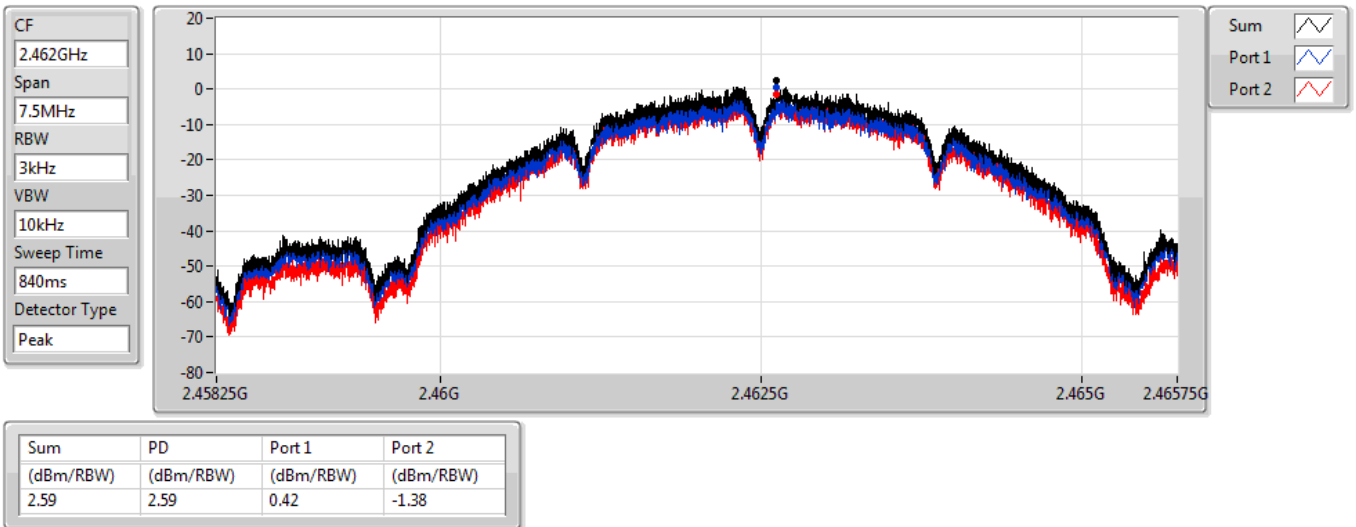


11b-5M_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/01/2021

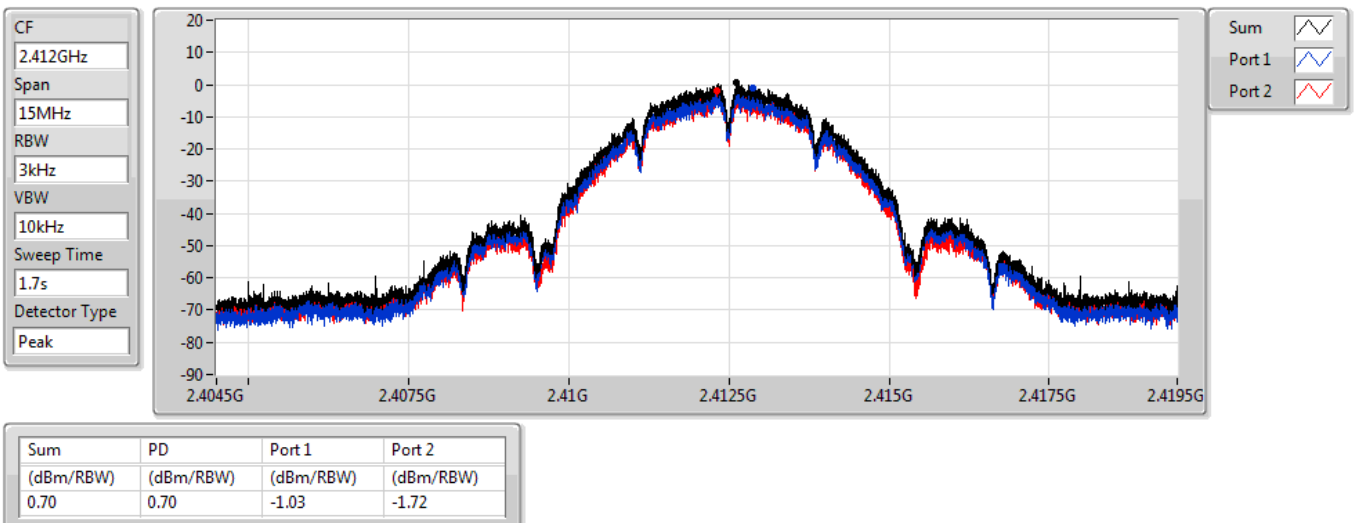


11b-10M_Nss1,(1Mbps)_2TX

PSD

2412MHz

27/01/2021

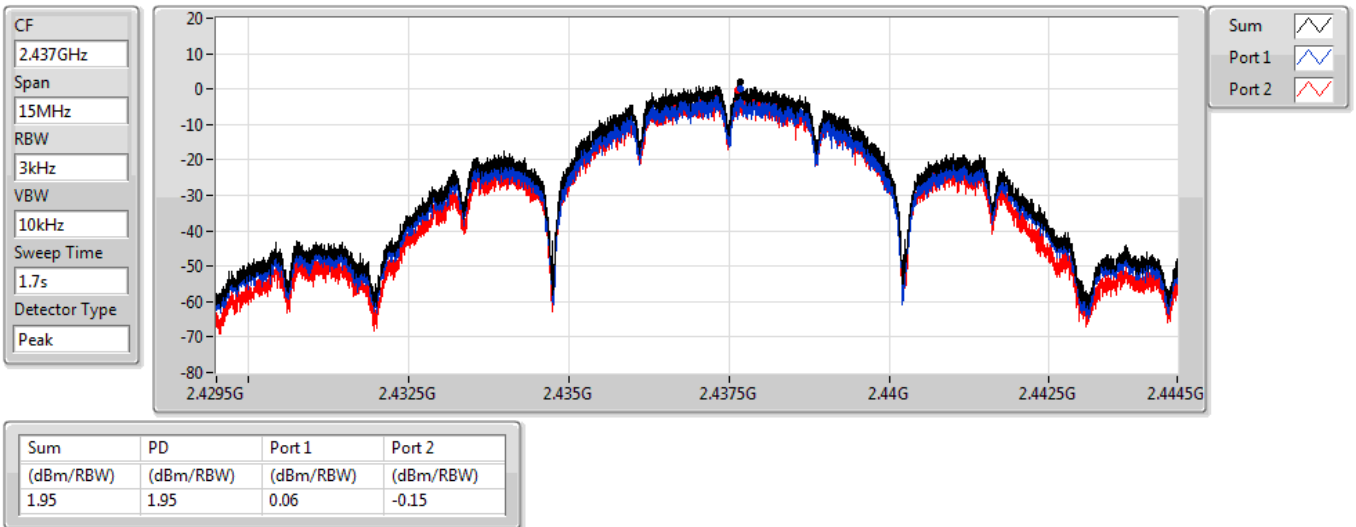


11b-10M_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/01/2021

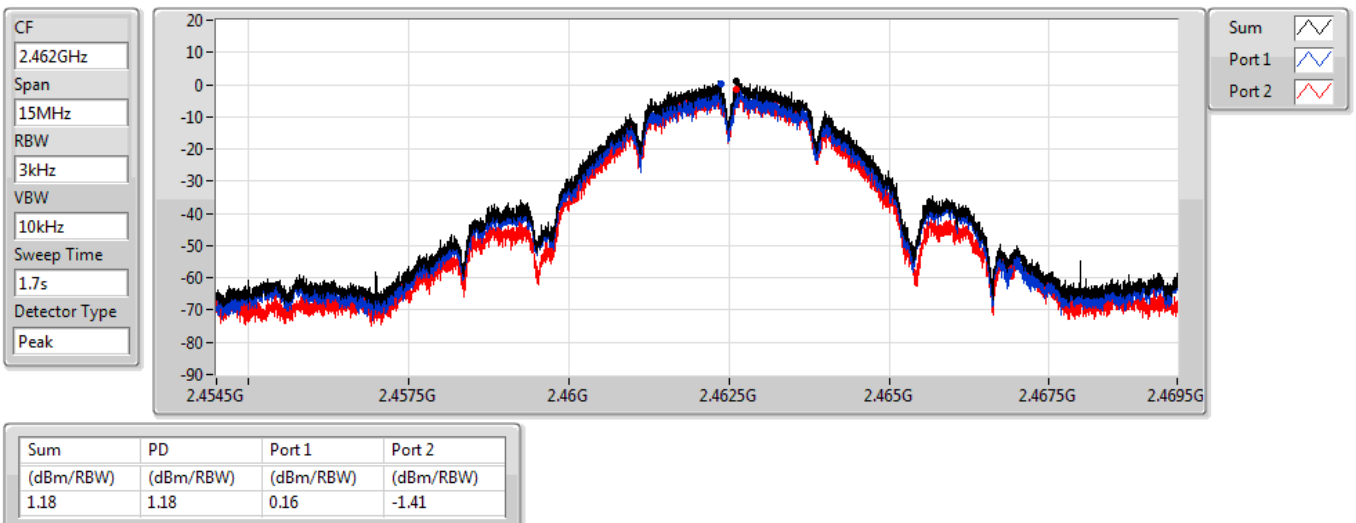


11b-10M_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/01/2021

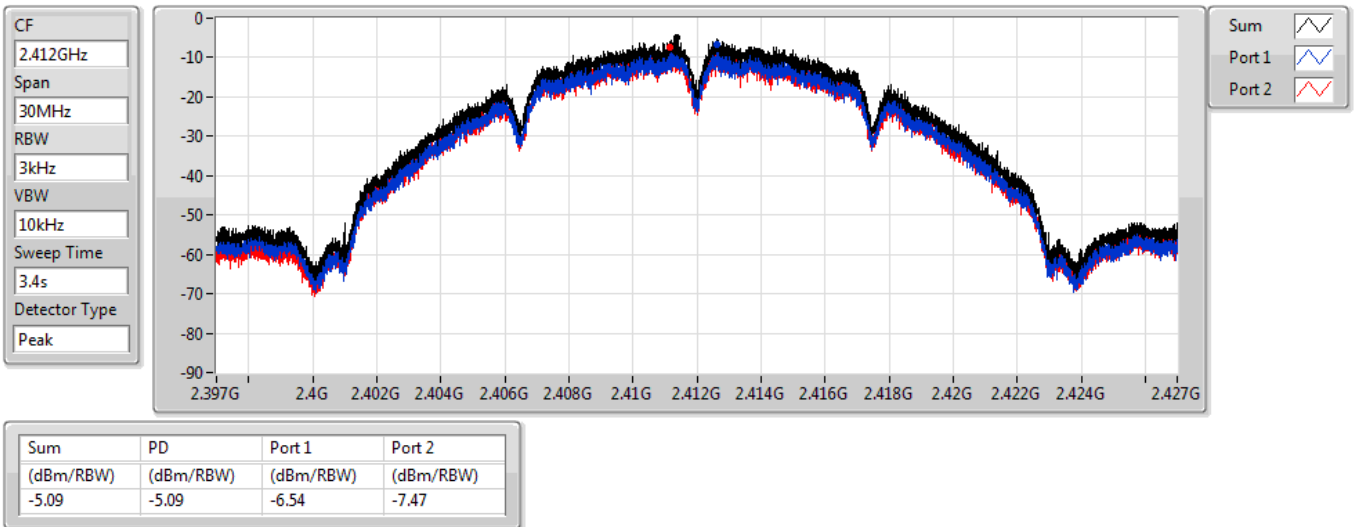


11b-20M_Nss1,(1Mbps)_2TX

2412MHz

PSD

27/01/2021

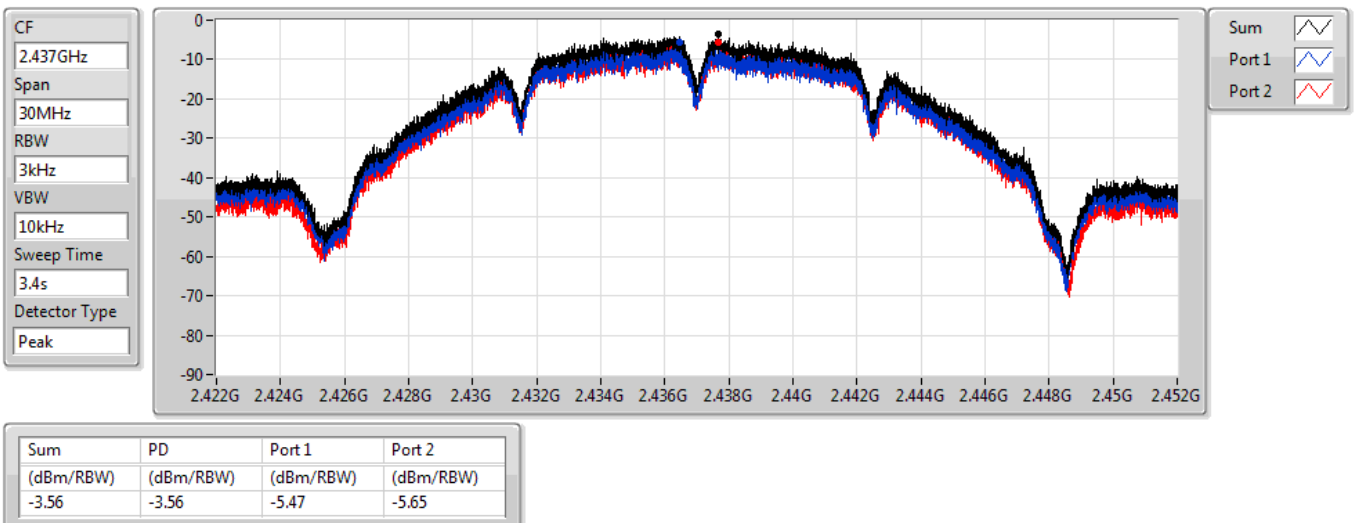


11b-20M_Nss1,(1Mbps)_2TX

2437MHz

PSD

27/01/2021

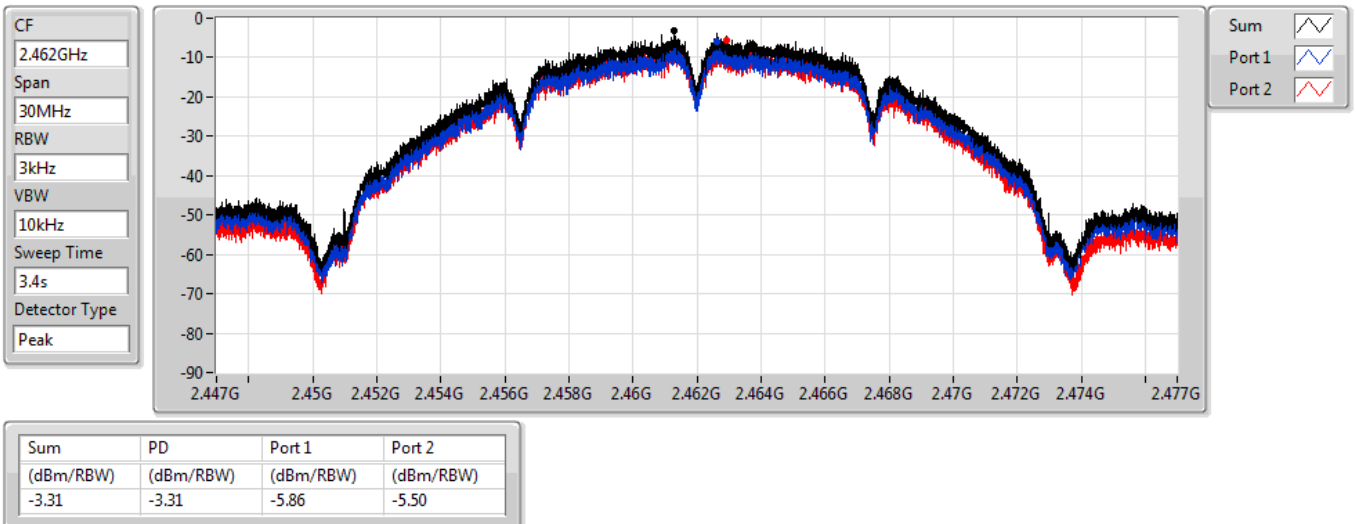


11b-20M_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/01/2021

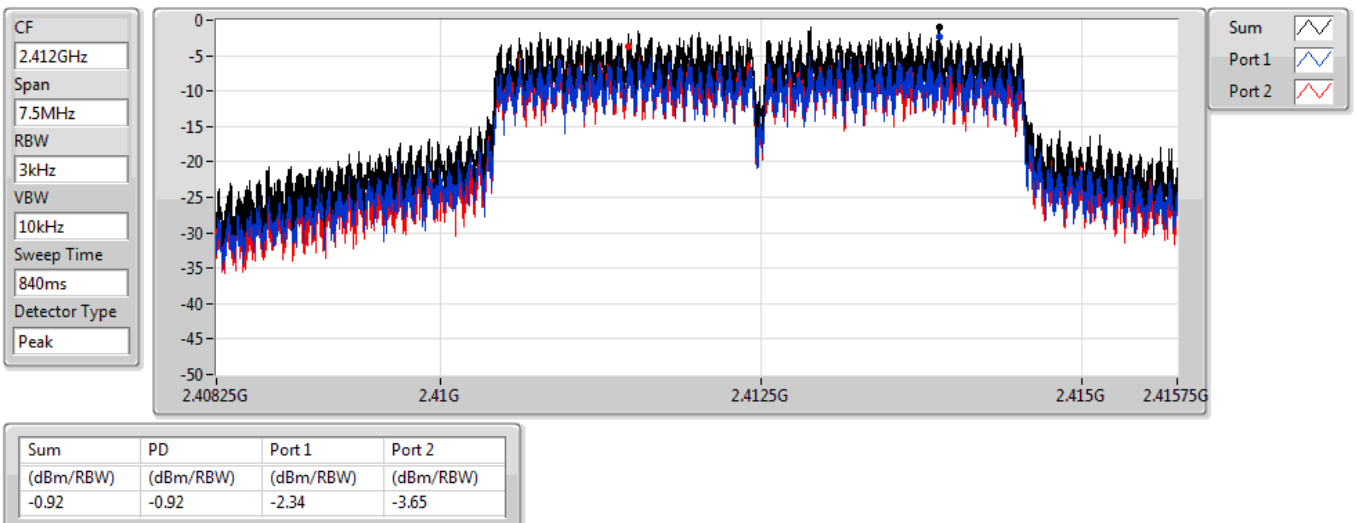


11g-5M_Nss1,(6Mbps)_2TX

PSD

2412MHz

27/01/2021

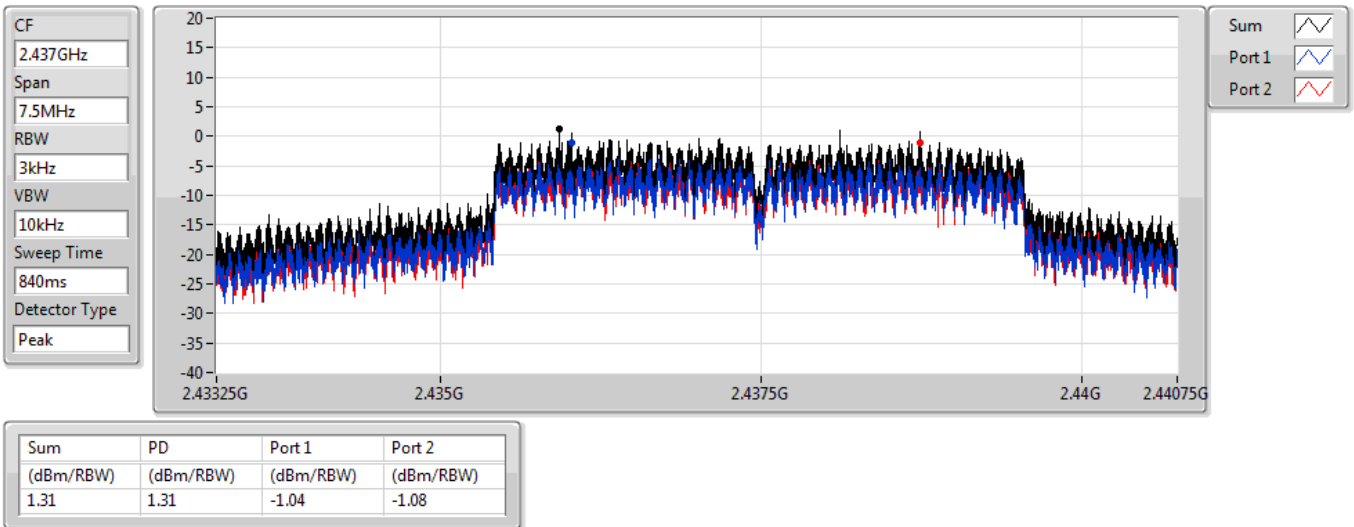


11g-5M_Nss1,(6Mbps)_2TX

2437MHz

PSD

27/01/2021

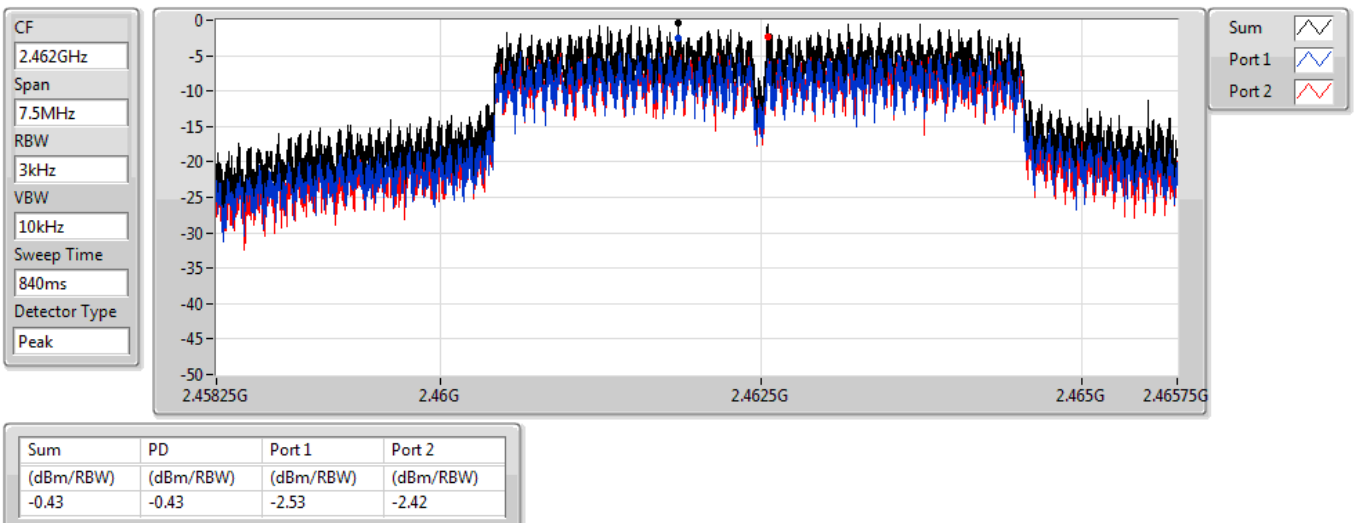


11g-5M_Nss1,(6Mbps)_2TX

2462MHz

PSD

27/01/2021

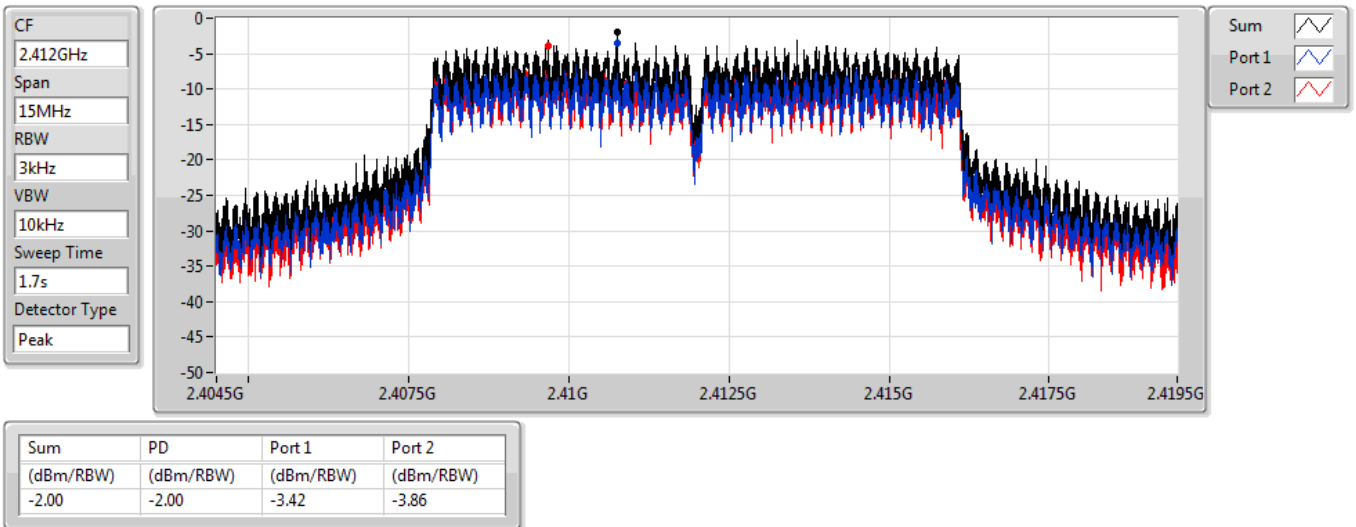


11g-10M_Nss1,(6Mbps)_2TX

PSD

2412MHz

27/01/2021

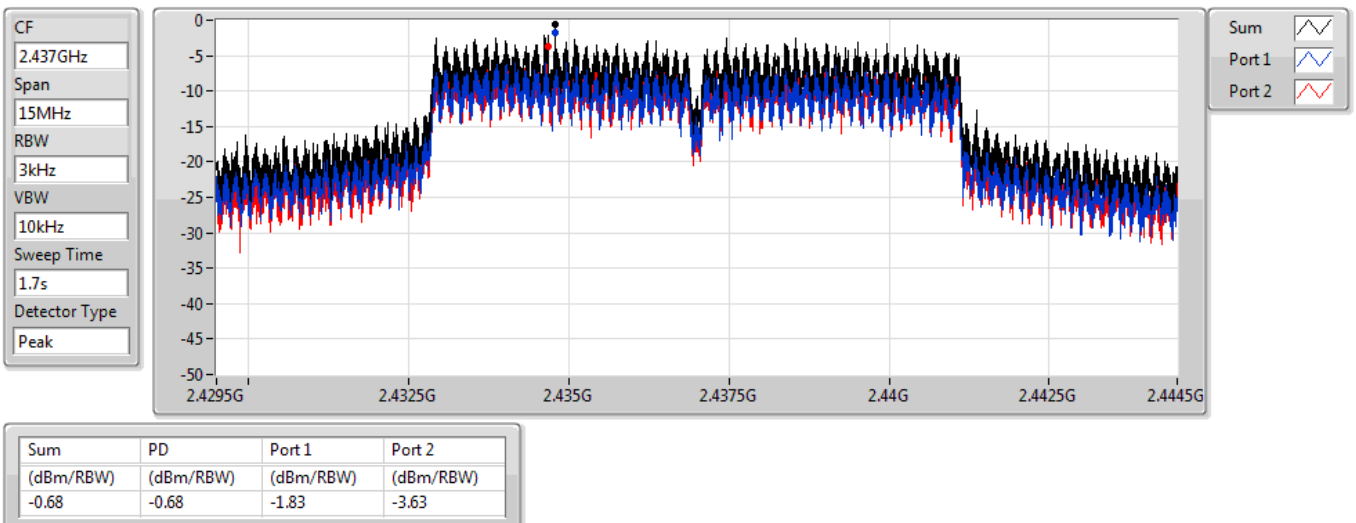


11g-10M_Nss1,(6Mbps)_2TX

PSD

2437MHz

27/01/2021

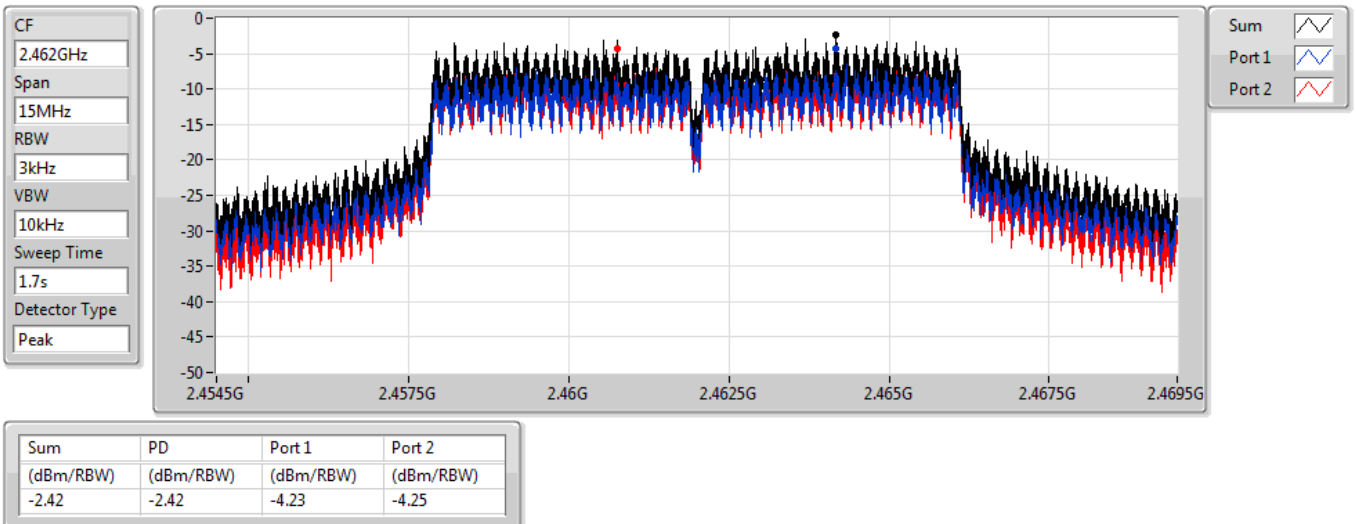


11g-10M_Nss1,(6Mbps)_2TX

2462MHz

PSD

27/01/2021

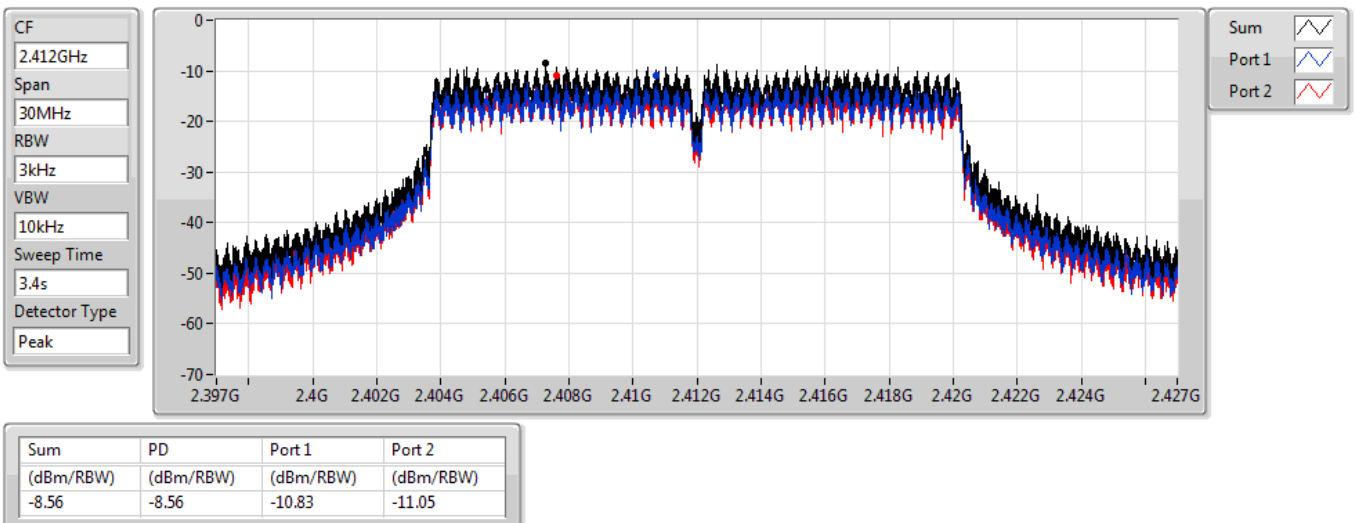


11g-20M_Nss1,(6Mbps)_2TX

2412MHz

PSD

27/01/2021

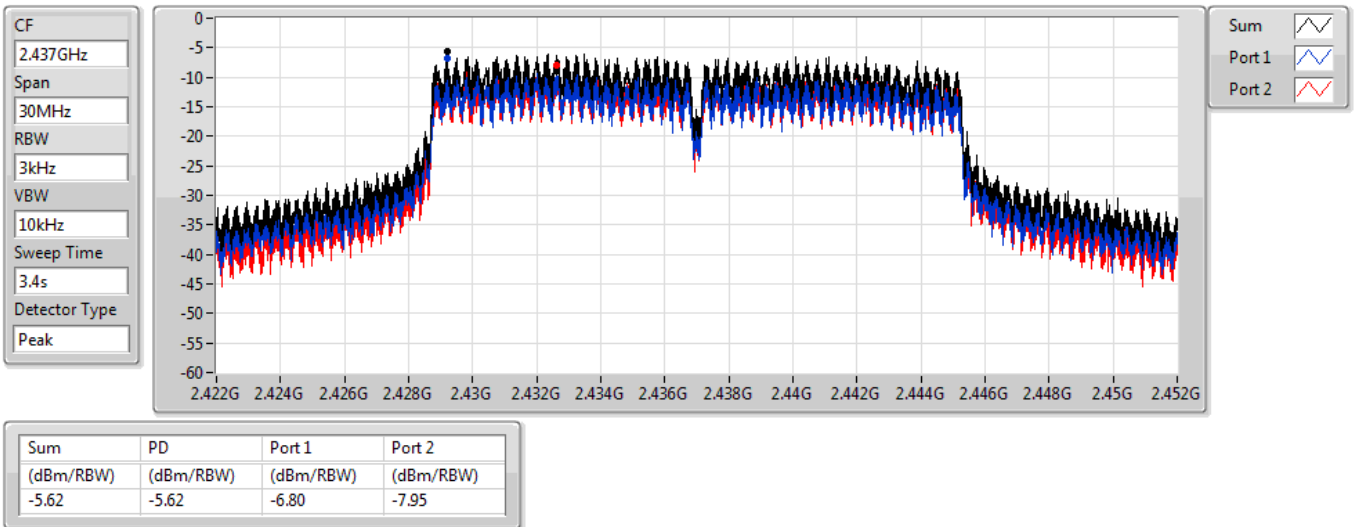


11g-20M_Nss1,(6Mbps)_2TX

2437MHz

PSD

27/01/2021

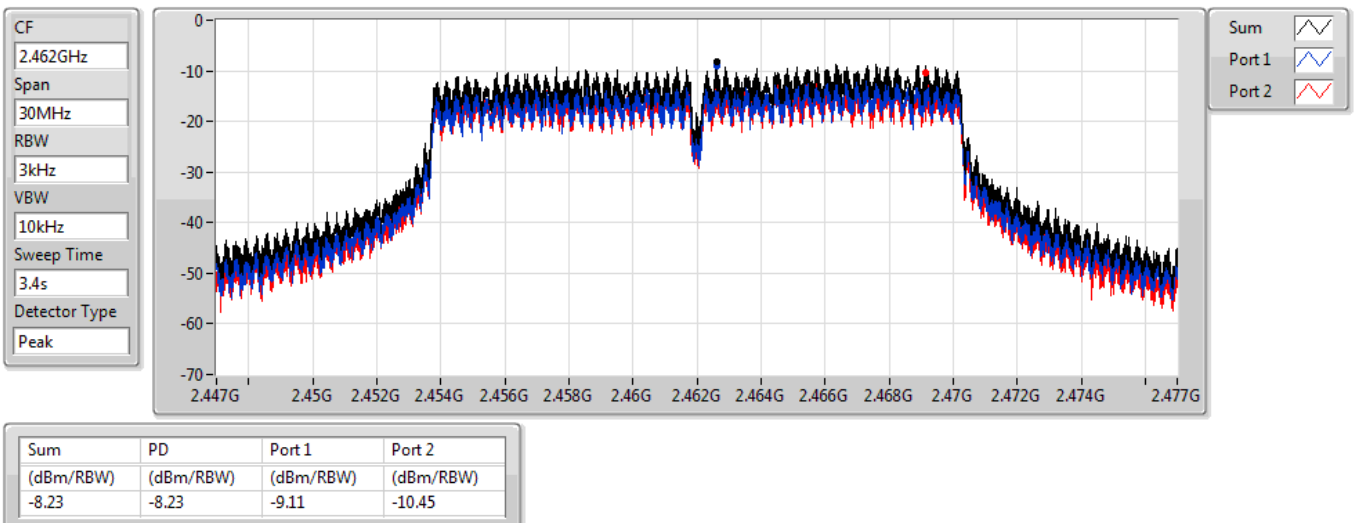


11g-20M_Nss1,(6Mbps)_2TX

2462MHz

PSD

27/01/2021

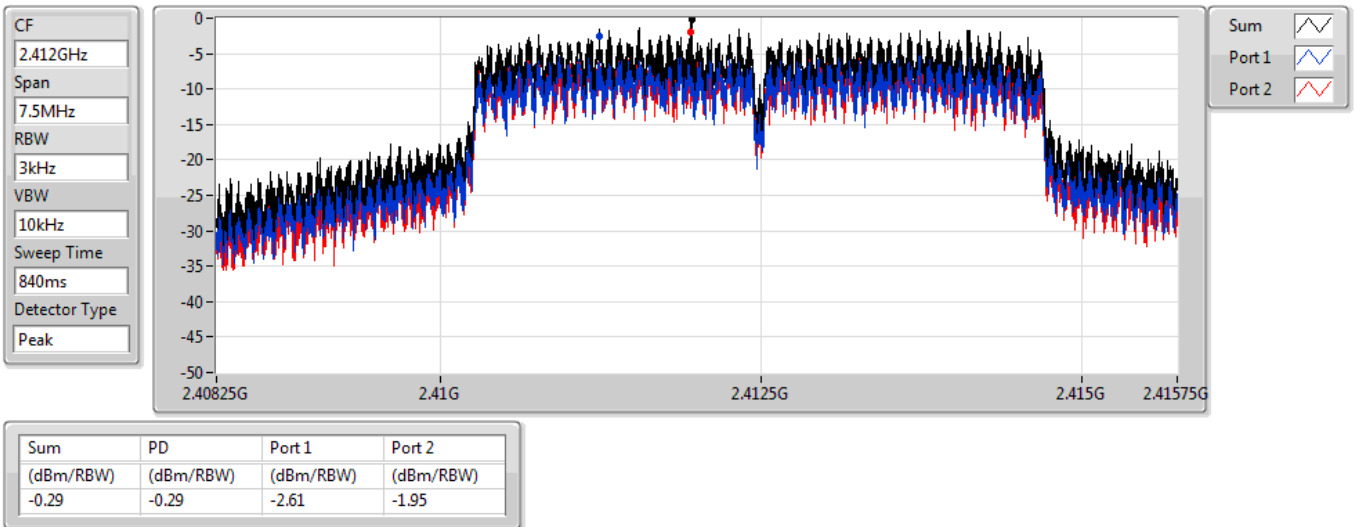


11n-5M_Nss1,(MCS0)_2TX

PSD

2412MHz

28/01/2021

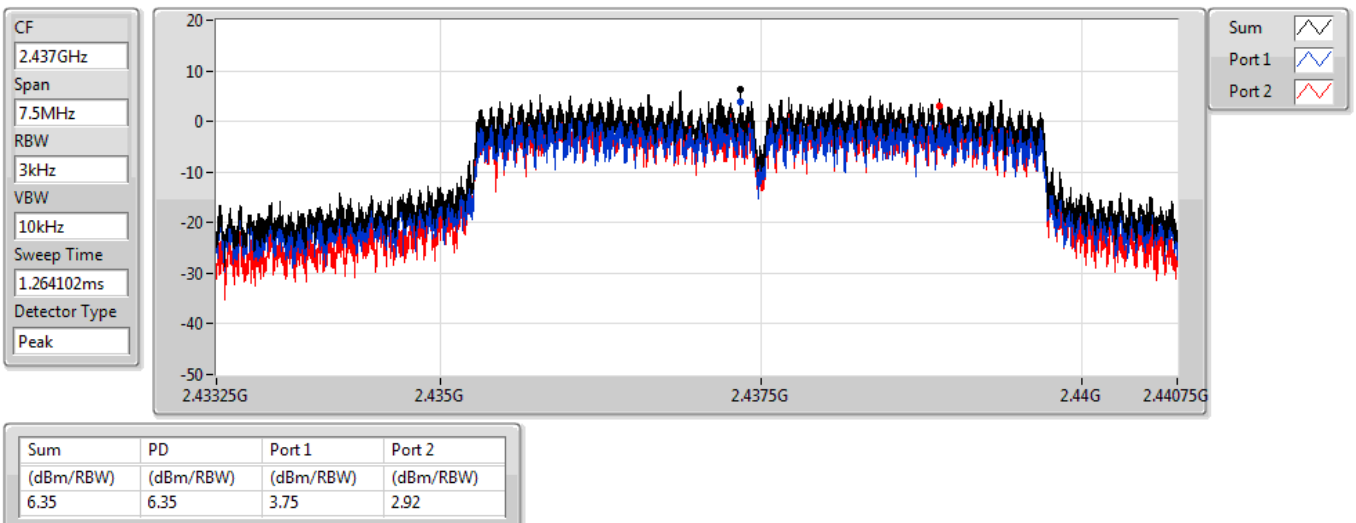


11n-5M_Nss1,(MCS0)_2TX

PSD

2437MHz

18/02/2021

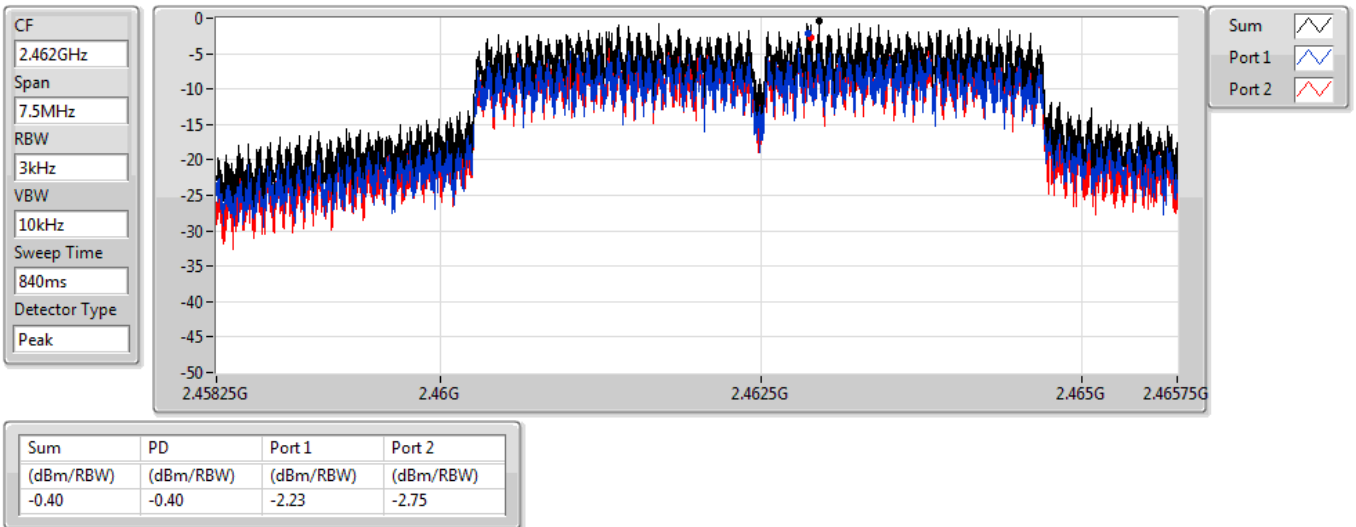


11n-5M_Nss1,(MCS0)_2TX

2462MHz

PSD

28/01/2021

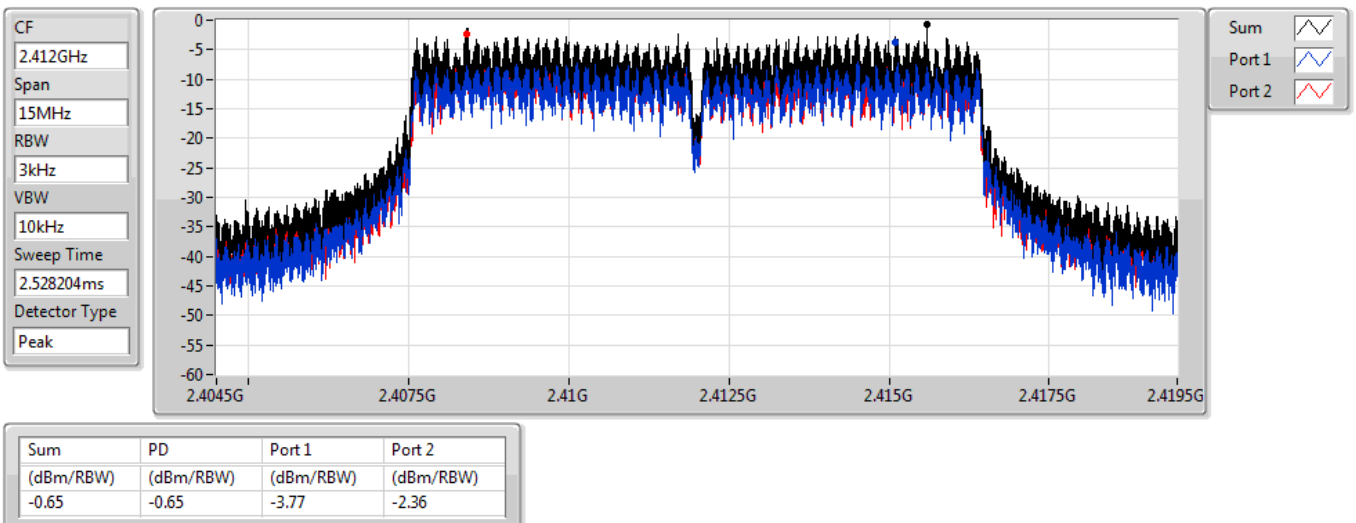


11n-10M_Nss1,(MCS0)_2TX

2412MHz

PSD

22/02/2021

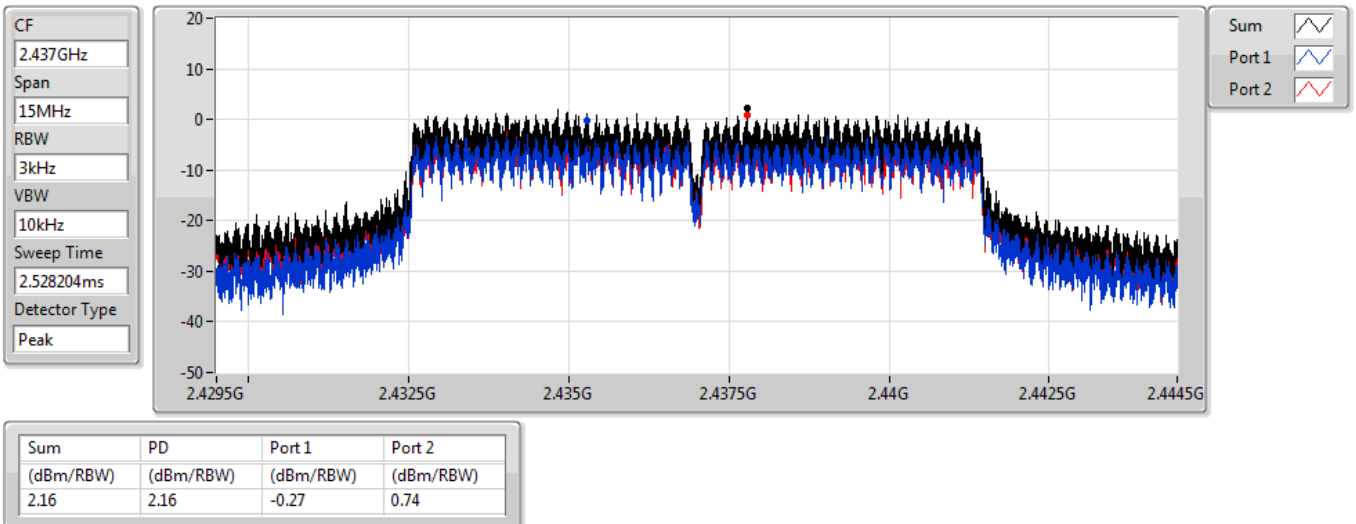


11n-10M_Nss1,(MCS0)_2TX

PSD

2437MHz

22/02/2021

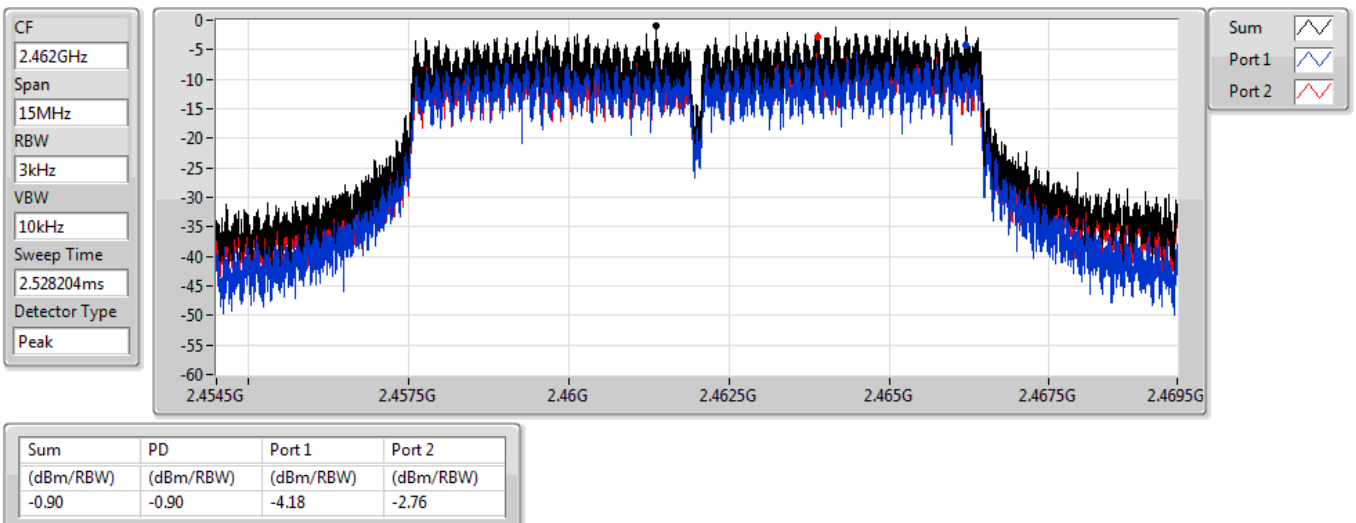


11n-10M_Nss1,(MCS0)_2TX

PSD

2462MHz

22/02/2021

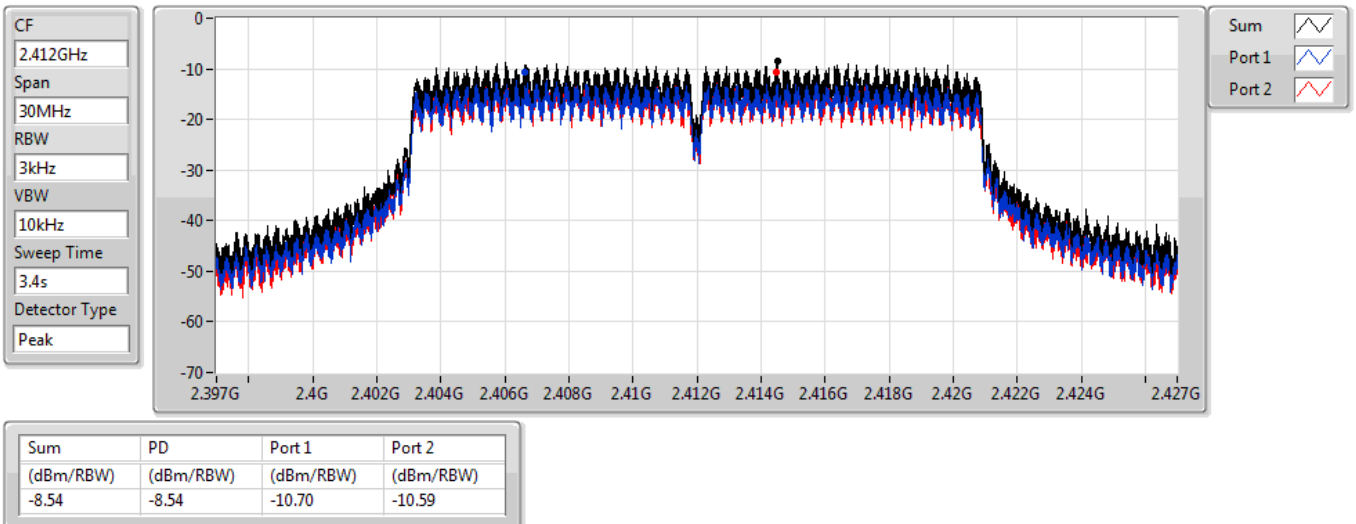


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

27/01/2021

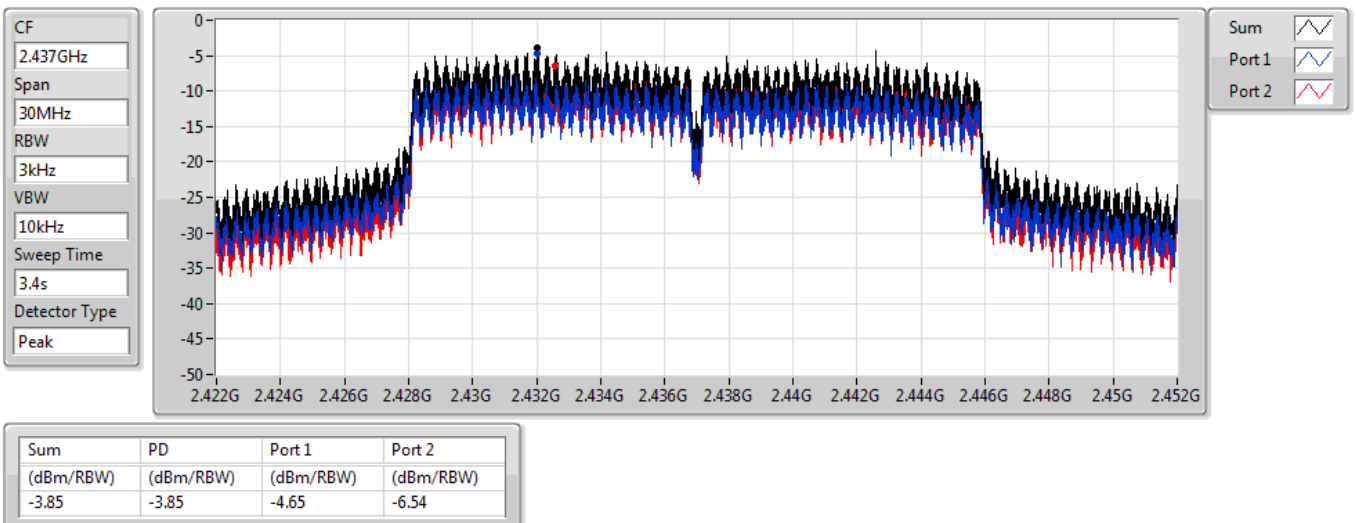


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

27/01/2021

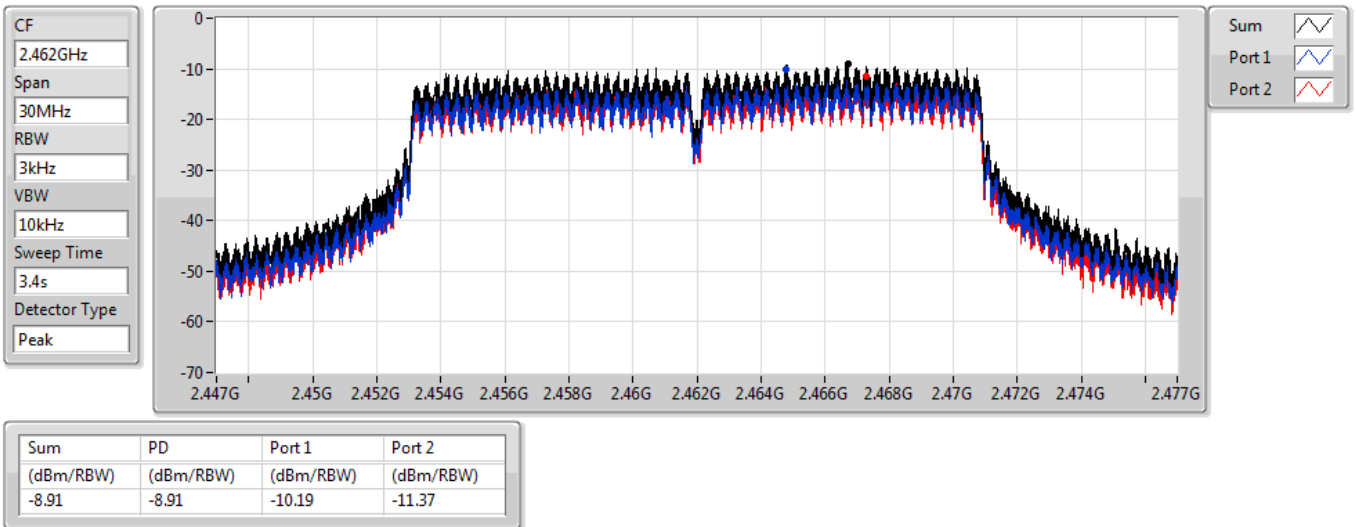


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

27/01/2021

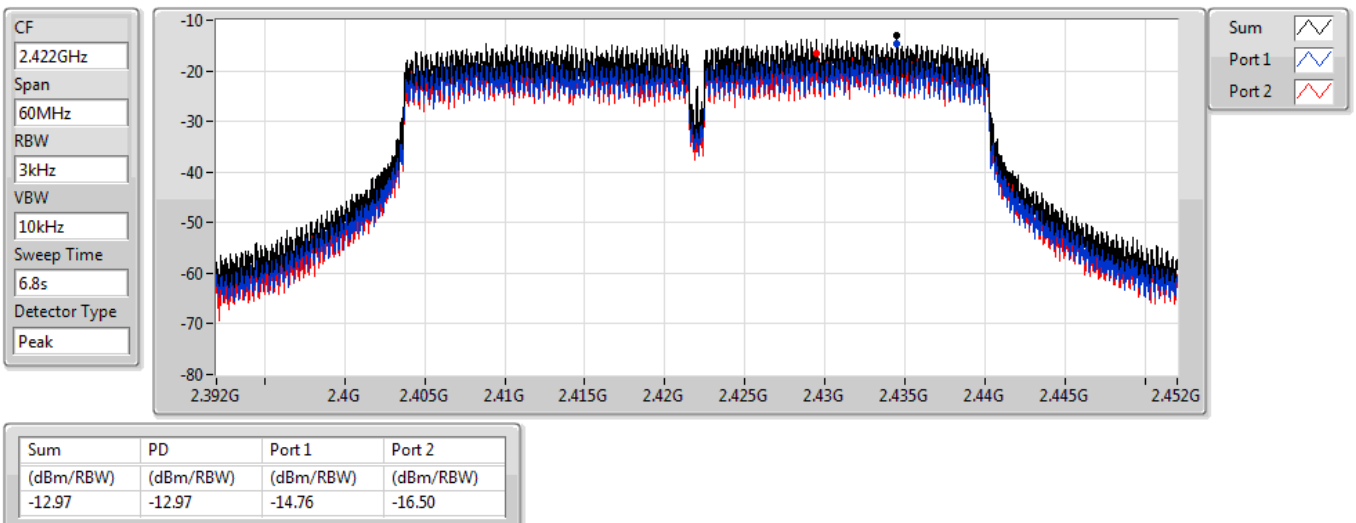


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

27/01/2021

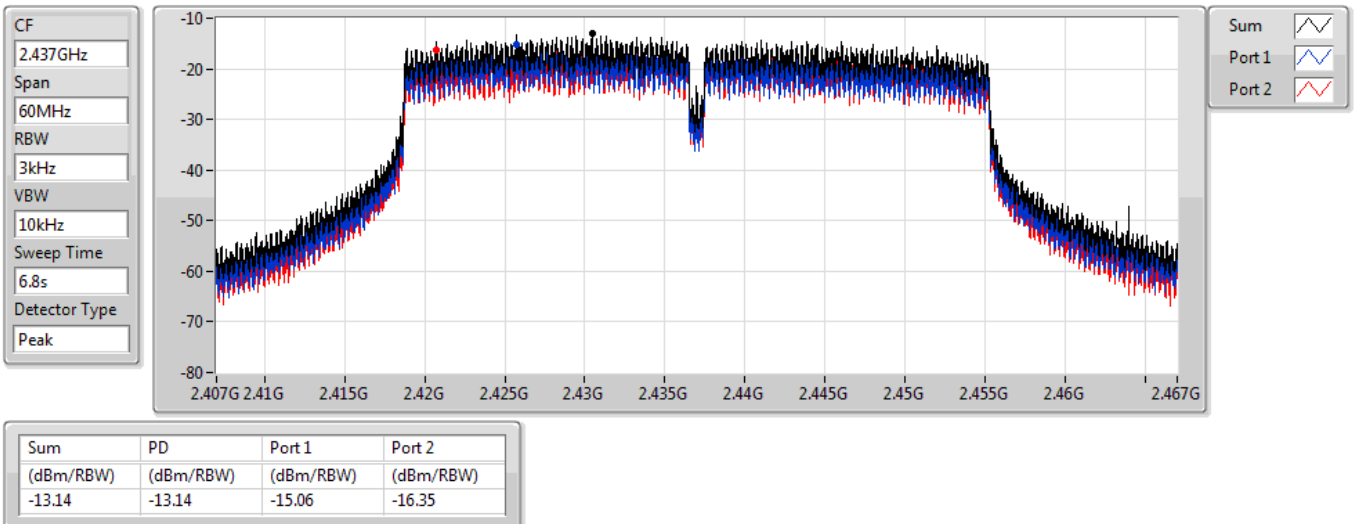


802.11n HT40_Nss1,(MCS0)_2TX

2437MHz

PSD

27/01/2021

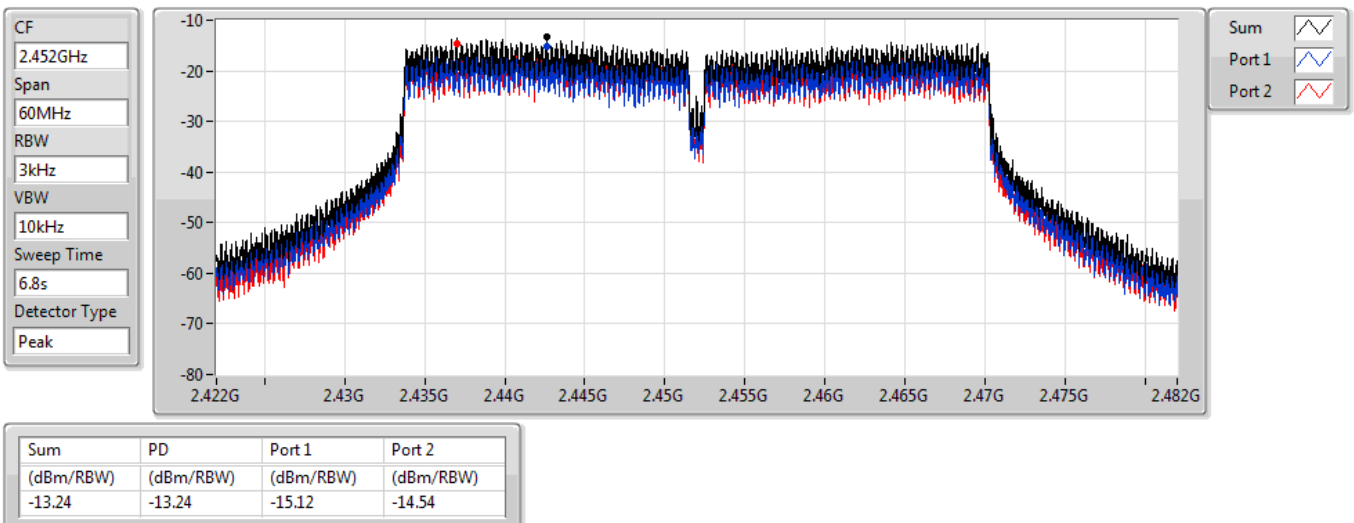


802.11n HT40_Nss1,(MCS0)_2TX

2452MHz

PSD

27/01/2021



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
11b-5M_Nss1,(1Mbps)_2TX	1.94
11b-10M_Nss1,(1Mbps)_2TX	1.77
11b-20M_Nss1,(1Mbps)_2TX	-3.98
11g-5M_Nss1,(6Mbps)_2TX	0.33
11g-10M_Nss1,(6Mbps)_2TX	-1.19
11g-20M_Nss1,(6Mbps)_2TX	-3.91
11n-5M_Nss1,(MCS0)_2TX	5.43
11n-10M_Nss1,(MCS0)_2TX	-2.36
802.11n HT20_Nss1,(MCS0)_2TX	-4.65
802.11n HT40_Nss1,(MCS0)_2TX	-9.05

Result

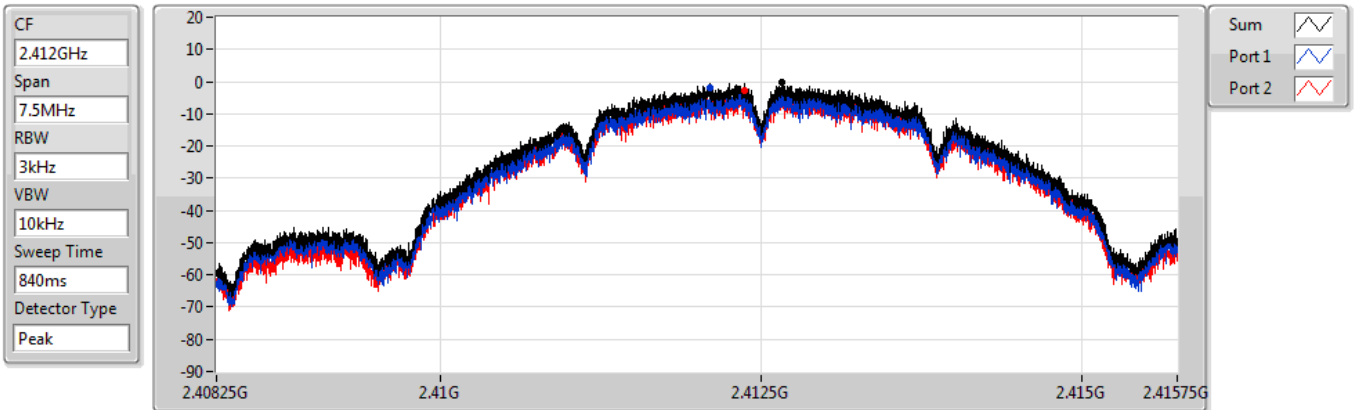
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-1.74	-2.68	0.01	7.78
2437MHz	Pass	6.22	-0.68	0.32	1.44	7.78
2462MHz	Pass	6.22	0.98	-0.55	1.94	7.78
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-1.03	-0.77	0.67	7.78
2437MHz	Pass	6.22	0.22	0.36	1.77	7.78
2462MHz	Pass	6.22	-1.14	-1.05	1.47	7.78
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-5.17	-6.15	-4.09	7.78
2437MHz	Pass	6.22	-5.71	-6.78	-3.98	7.78
2462MHz	Pass	6.22	-7.35	-8.12	-5.74	7.78
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-2.56	-1.58	0.29	7.78
2437MHz	Pass	6.22	-1.99	-0.28	0.33	7.78
2462MHz	Pass	6.22	-2.17	-2.35	-0.65	7.78
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-4.60	-5.68	-2.86	7.78
2437MHz	Pass	6.22	-3.33	-4.53	-1.19	7.78
2462MHz	Pass	6.22	-3.11	-4.52	-1.83	7.78
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-6.53	-7.39	-4.54	7.78
2437MHz	Pass	6.22	-5.74	-6.11	-3.91	7.78
2462MHz	Pass	6.22	-7.85	-10.52	-6.28	7.78
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-1.73	-2.94	-0.88	7.78
2437MHz	Pass	6.22	3.59	2.73	5.43	7.78
2462MHz	Pass	6.22	-1.57	-2.01	0.16	7.78
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-5.39	-4.88	-3.61	7.78
2437MHz	Pass	6.22	-4.35	-5.02	-2.36	7.78
2462MHz	Pass	6.22	-4.38	-5.72	-3.31	7.78
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-8.62	-8.58	-6.58	7.78
2437MHz	Pass	6.22	-6.29	-7.03	-4.65	7.78
2462MHz	Pass	6.22	-8.70	-9.81	-7.56	7.78
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.22	-14.76	-14.86	-12.50	7.78
2437MHz	Pass	6.22	-10.82	-10.72	-9.05	7.78
2452MHz	Pass	6.22	-13.64	-13.07	-11.42	7.78

11b-5M_Nss1,(1Mbps)_2TX

PSD

2412MHz

28/01/2021

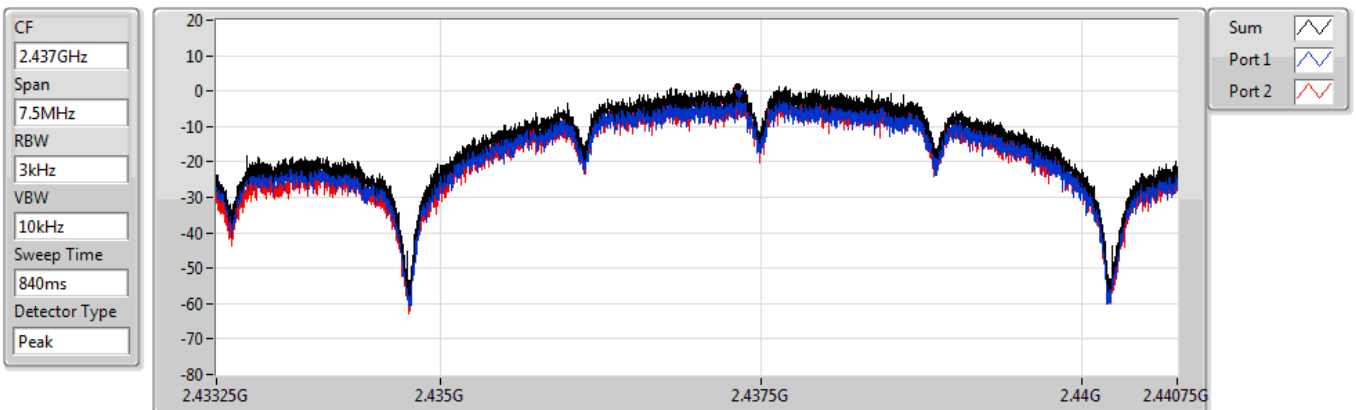


11b-5M_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/01/2021

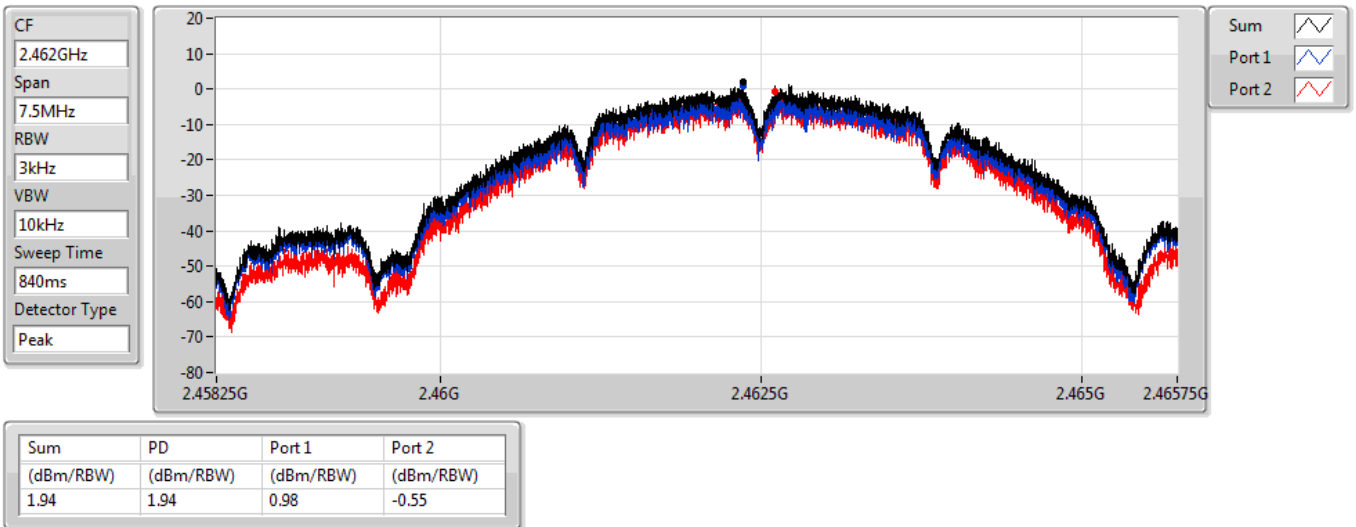


11b-5M_Nss1,(1Mbps)_2TX

2462MHz

PSD

27/01/2021

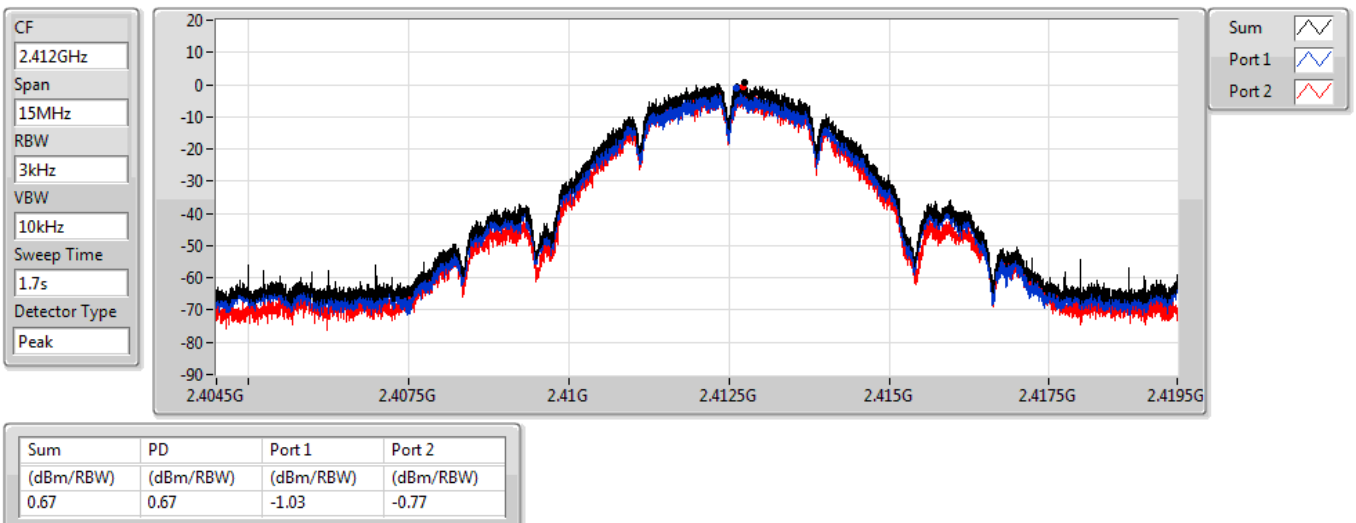


11b-10M_Nss1,(1Mbps)_2TX

2412MHz

PSD

27/01/2021

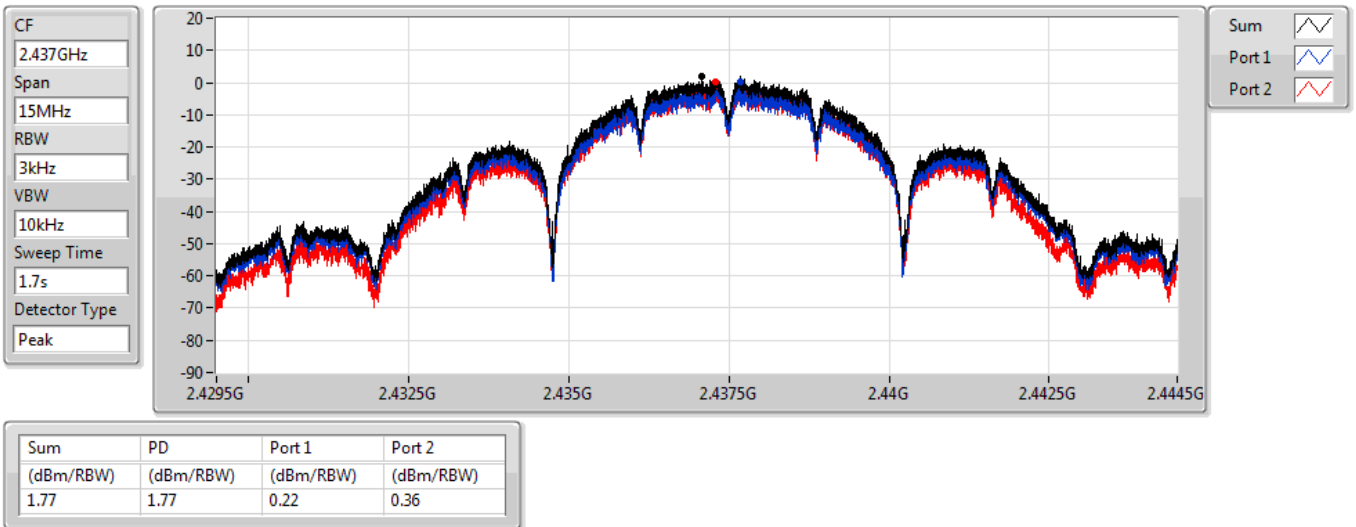


11b-10M_Nss1,(1Mbps)_2TX

2437MHz

PSD

27/01/2021

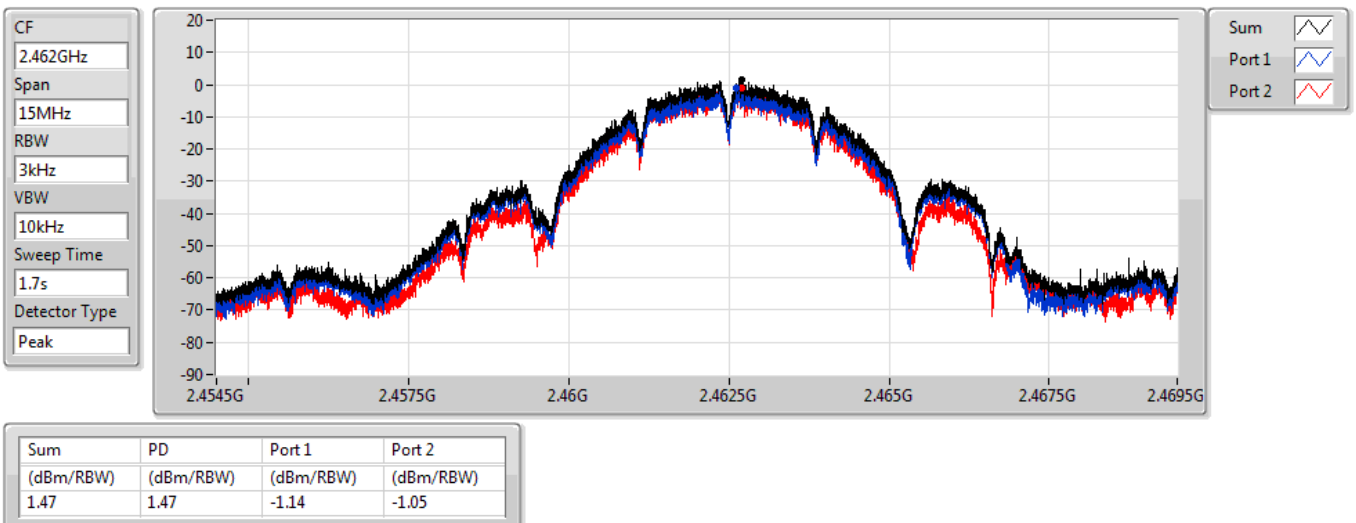


11b-10M_Nss1,(1Mbps)_2TX

2462MHz

PSD

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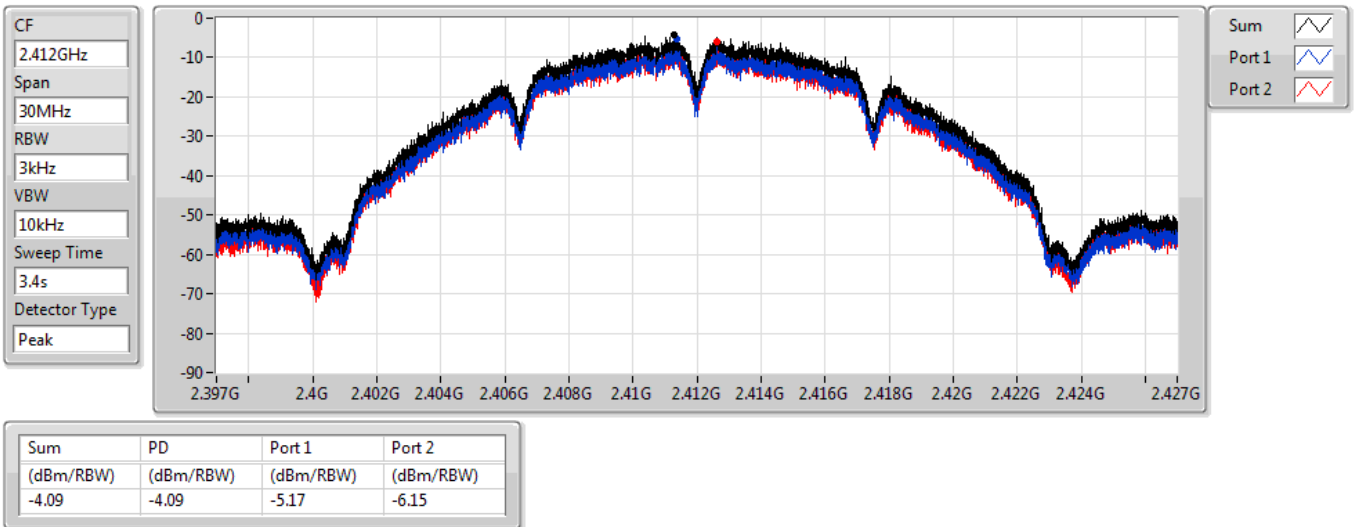


11b-20M_Nss1,(1Mbps)_2TX

PSD

2412MHz

27/01/2021

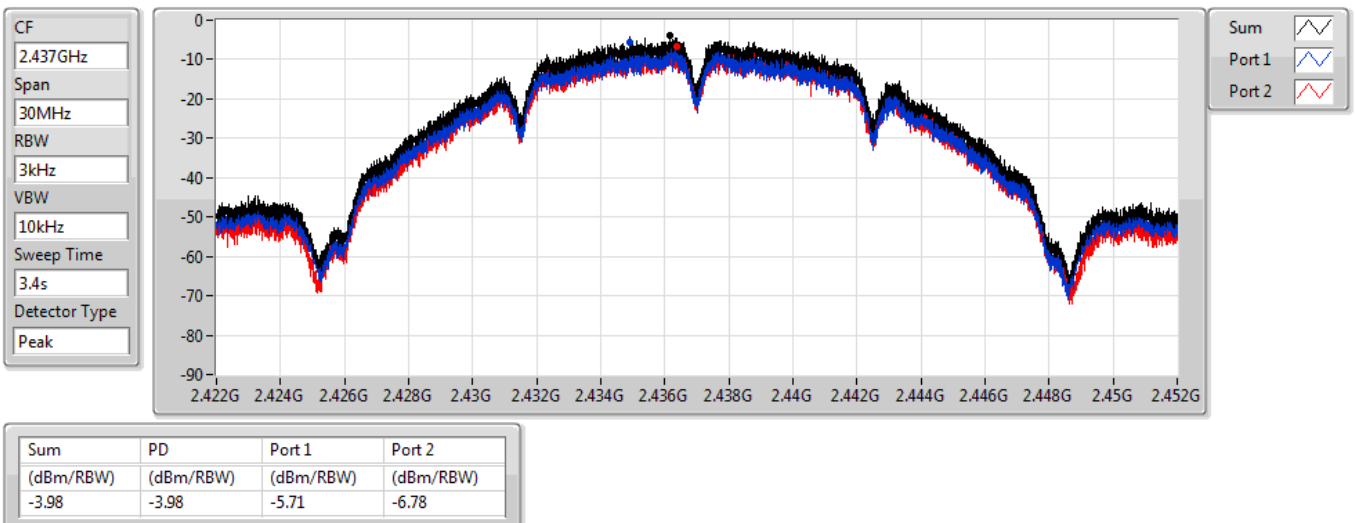


11b-20M_Nss1,(1Mbps)_2TX

PSD

2437MHz

27/01/2021

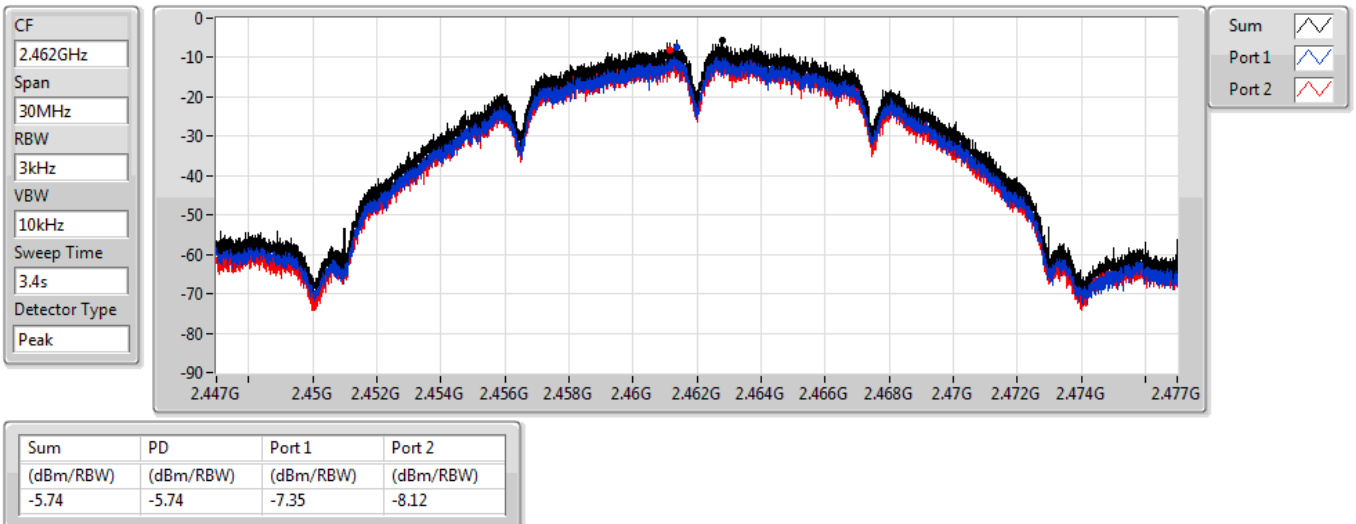


11b-20M_Nss1,(1Mbps)_2TX

PSD

2462MHz

27/01/2021

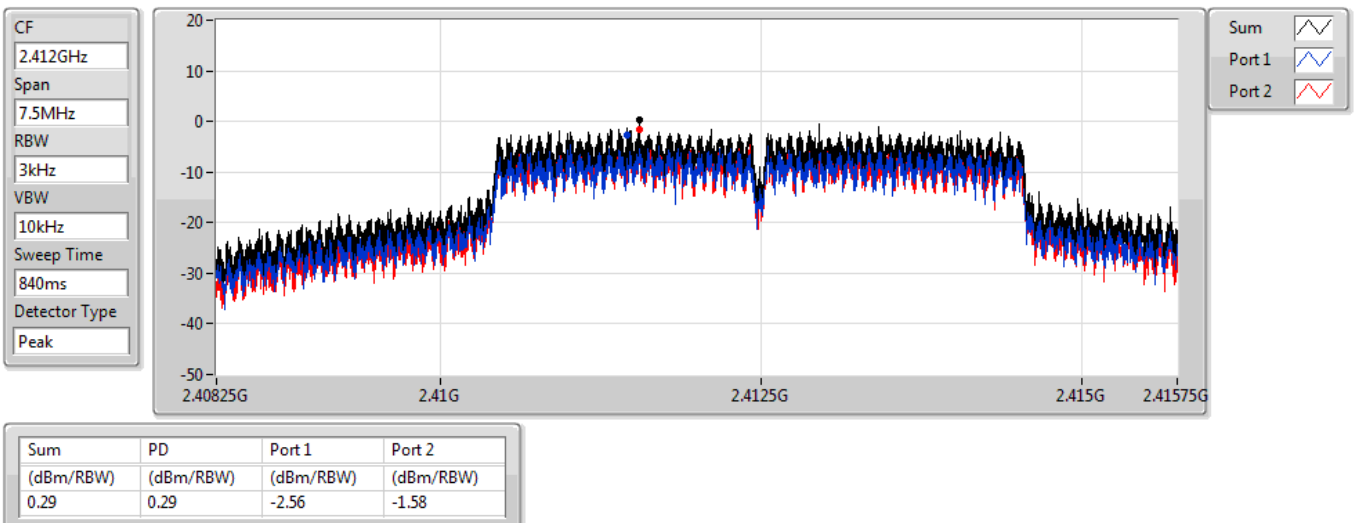


11g-5M_Nss1,(6Mbps)_2TX

PSD

2412MHz

27/01/2021

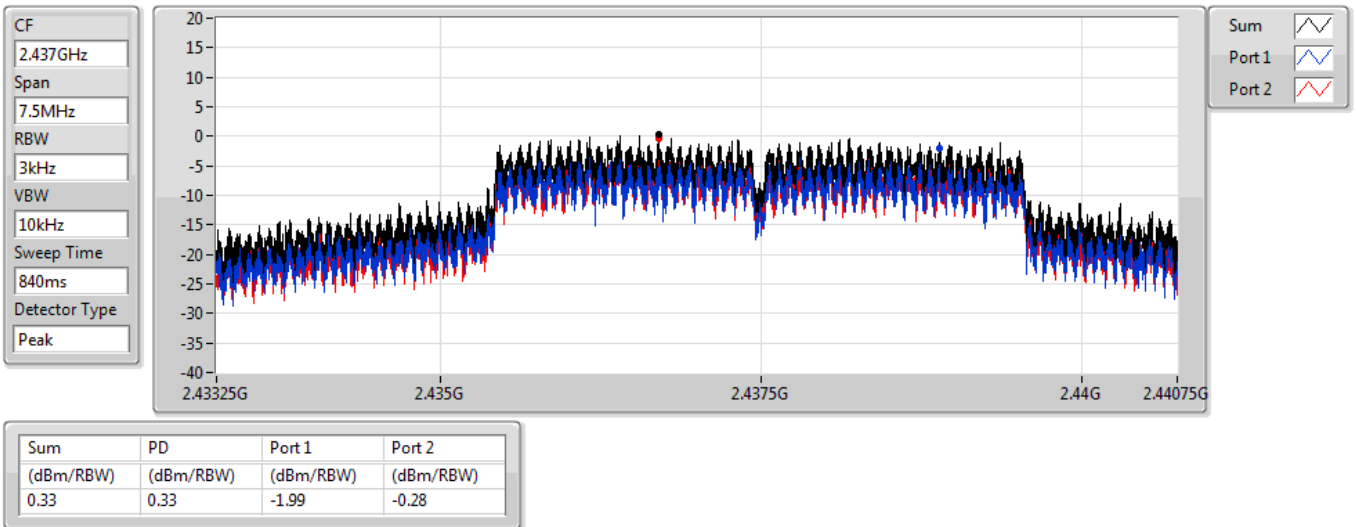


11g-5M_Nss1,(6Mbps)_2TX

2437MHz

PSD

27/01/2021

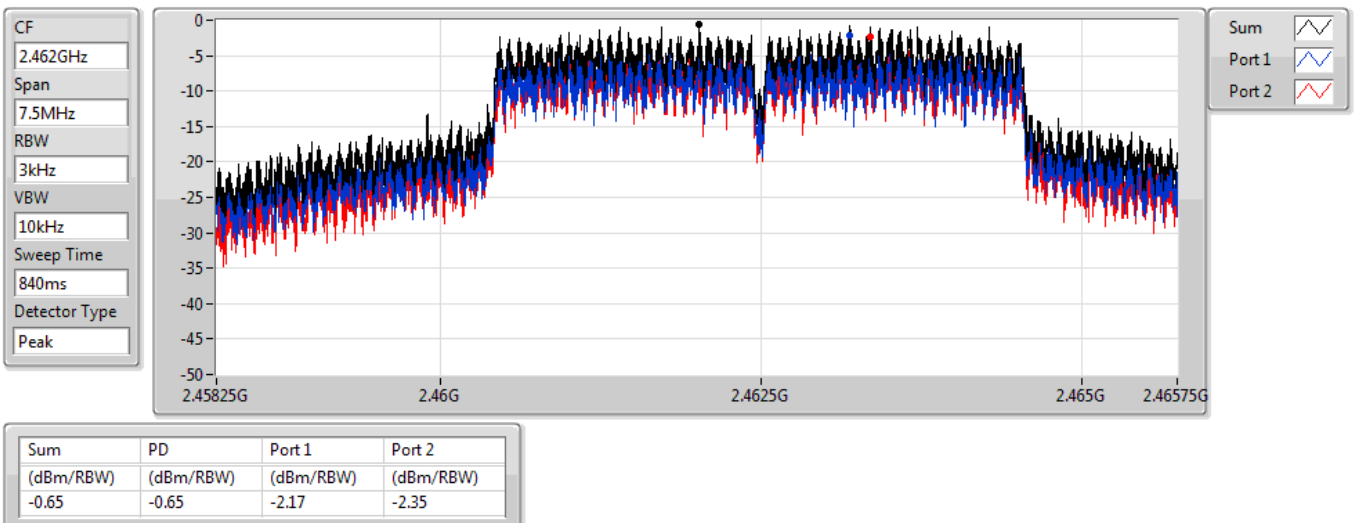


11g-5M_Nss1,(6Mbps)_2TX

2462MHz

PSD

27/01/2021

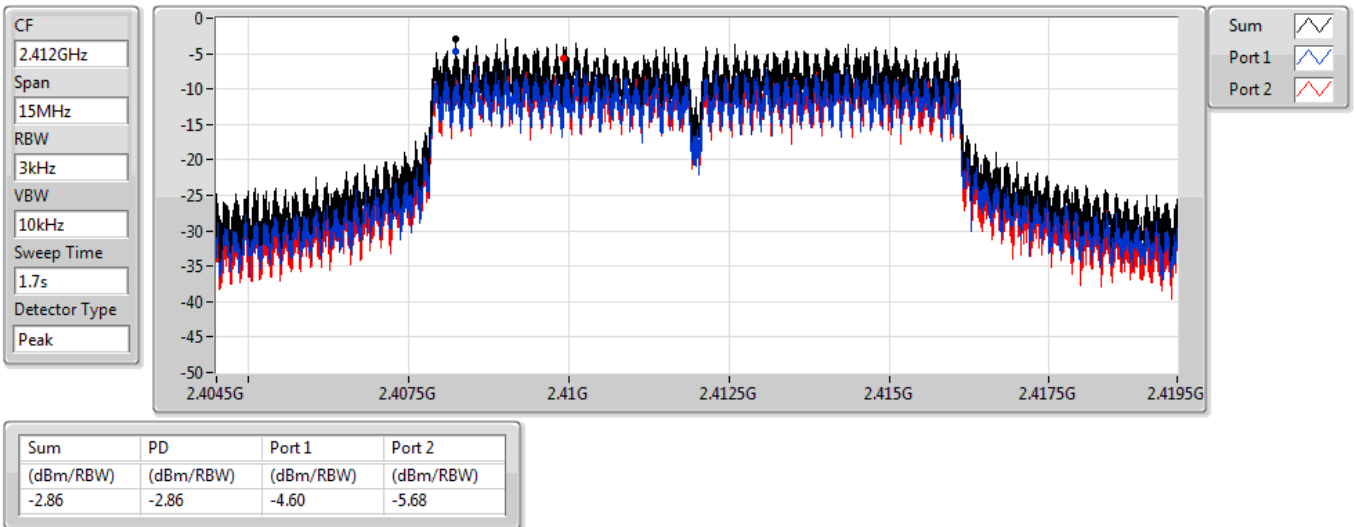


11g-10M_Nss1,(6Mbps)_2TX

PSD

2412MHz

27/01/2021

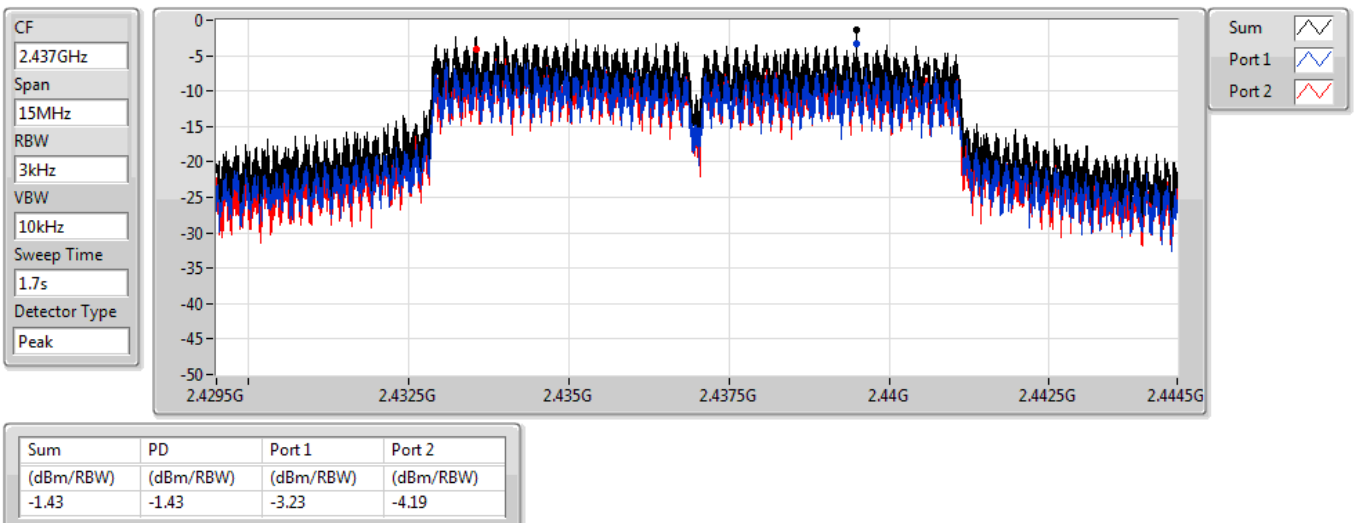


11g-10M_Nss1,(6Mbps)_2TX

PSD

2437MHz

27/01/2021

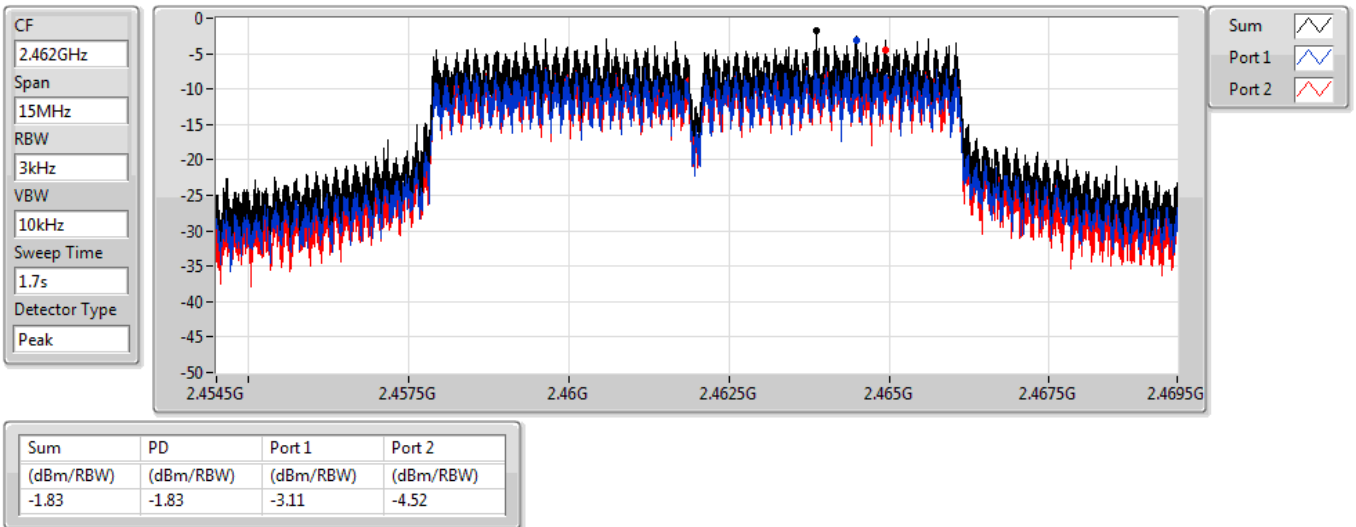


11g-10M_Nss1,(6Mbps)_2TX

2462MHz

PSD

27/01/2021

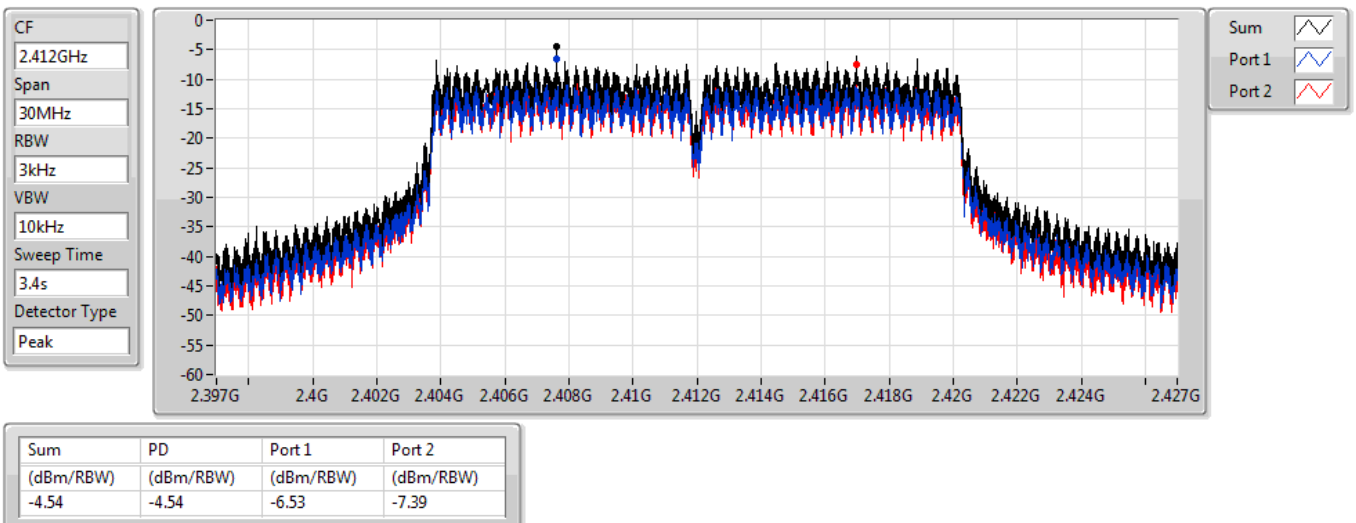


11g-20M_Nss1,(6Mbps)_2TX

2412MHz

PSD

27/01/2021

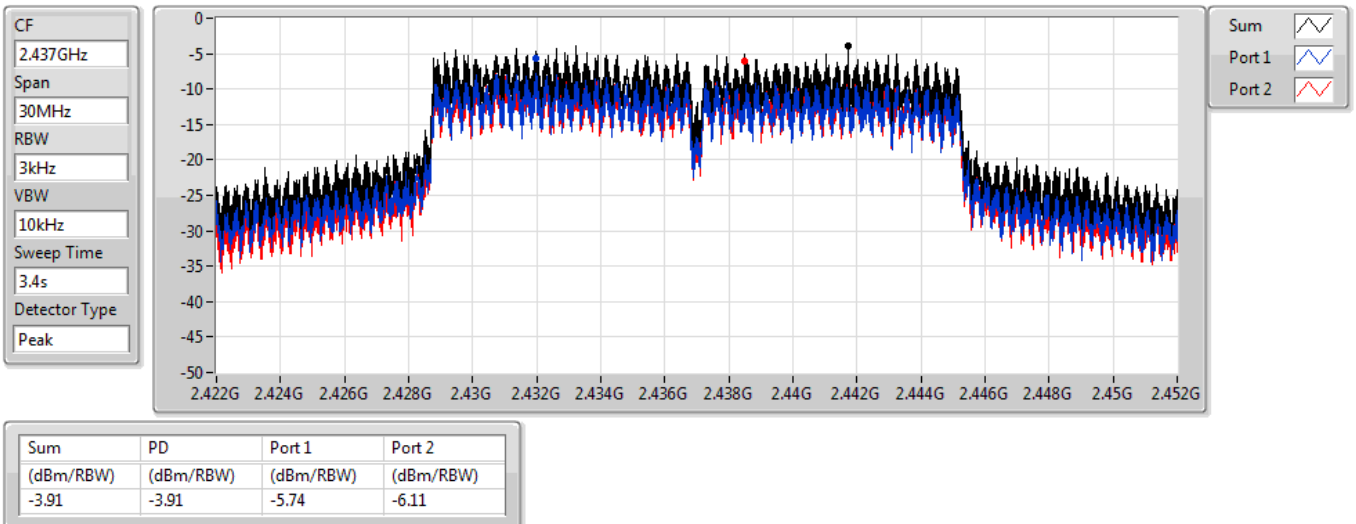


11g-20M_Nss1,(6Mbps)_2TX

2437MHz

PSD

27/01/2021

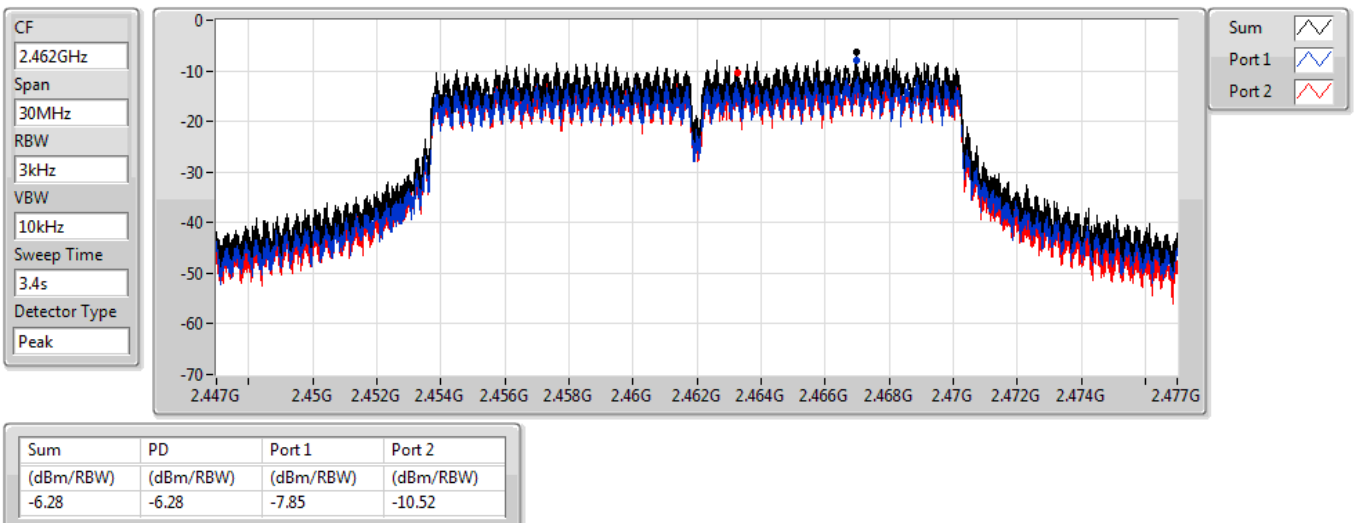


11g-20M_Nss1,(6Mbps)_2TX

2462MHz

PSD

27/01/2021

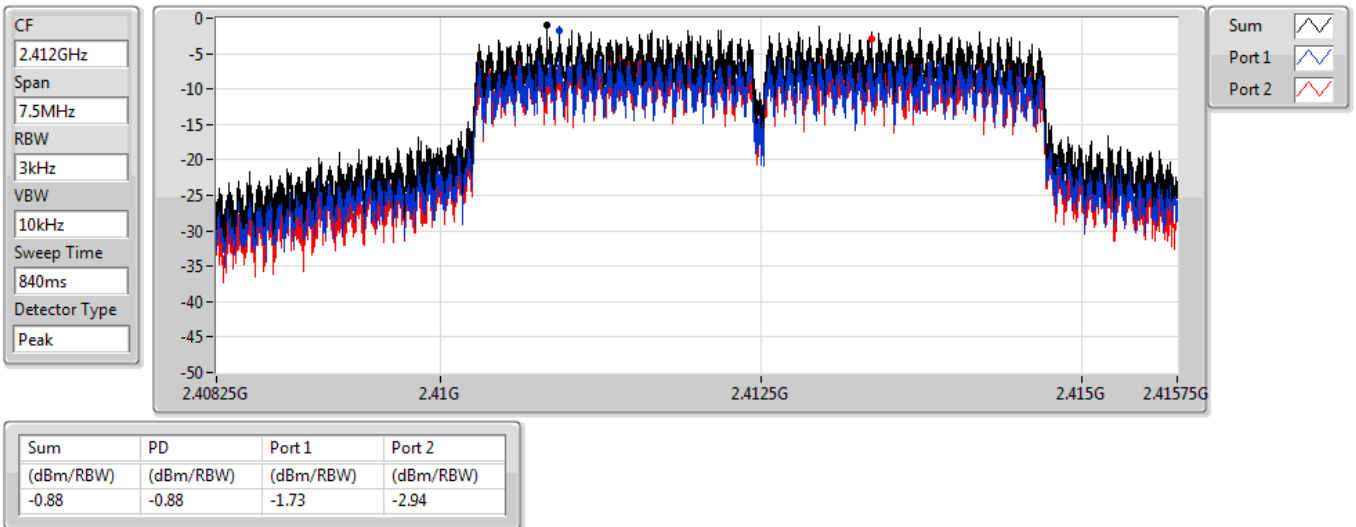


11n-5M_Nss1,(MCS0)_2TX

2412MHz

PSD

28/01/2021

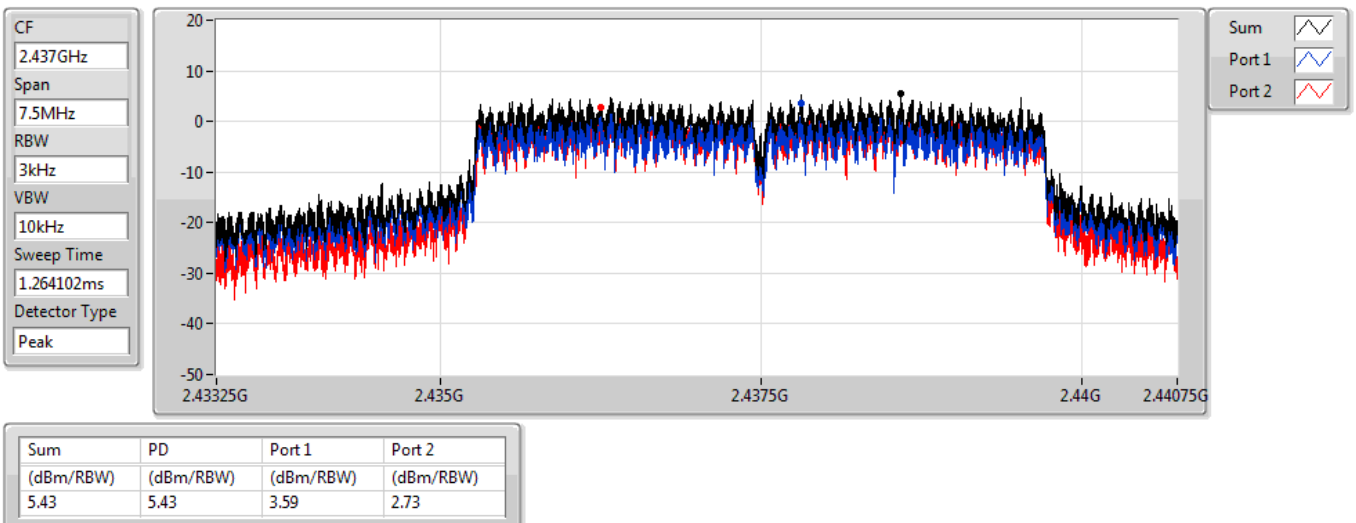


11n-5M_Nss1,(MCS0)_2TX

2437MHz

PSD

18/02/2021

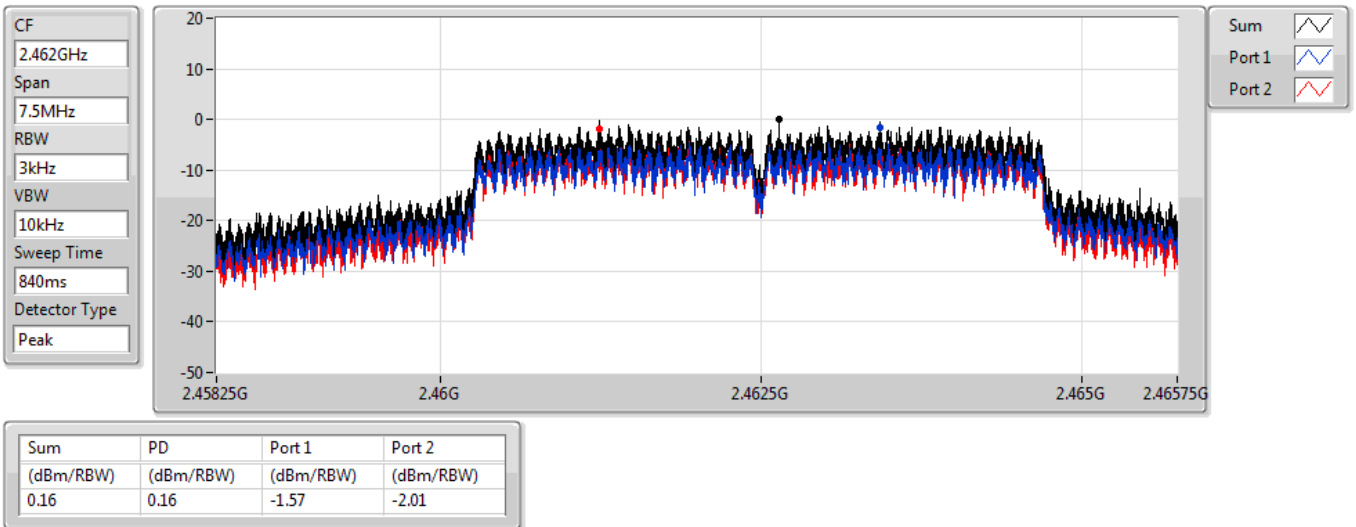


11n-5M_Nss1,(MCS0)_2TX

2462MHz

PSD

28/01/2021

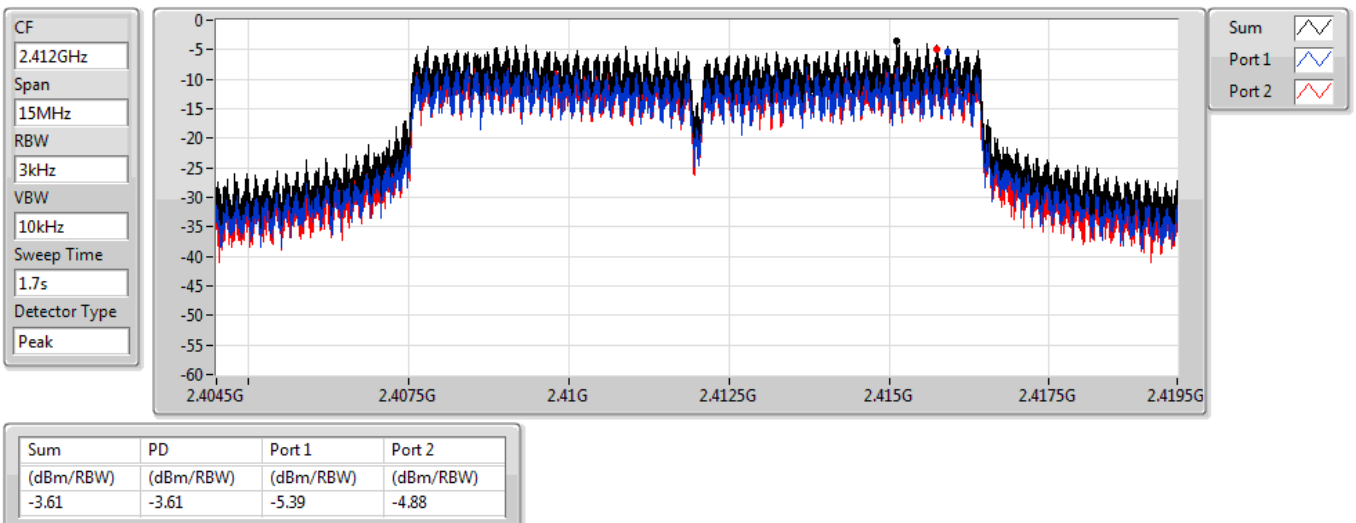


11n-10M_Nss1,(MCS0)_2TX

2412MHz

PSD

04/02/2021

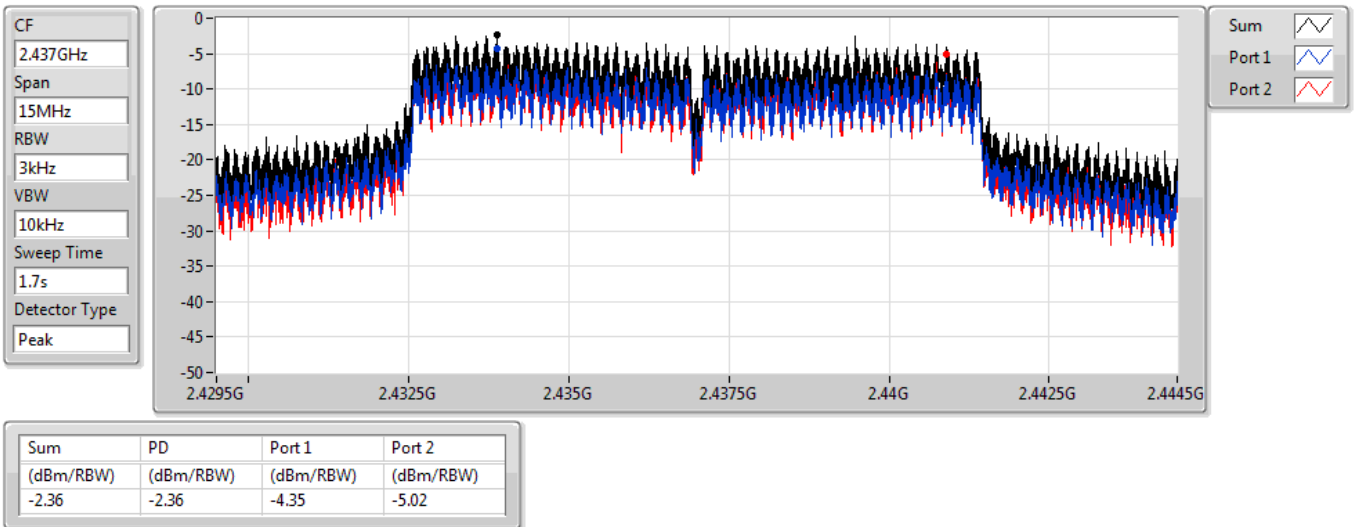


11n-10M_Nss1,(MCS0)_2TX

2437MHz

PSD

04/02/2021

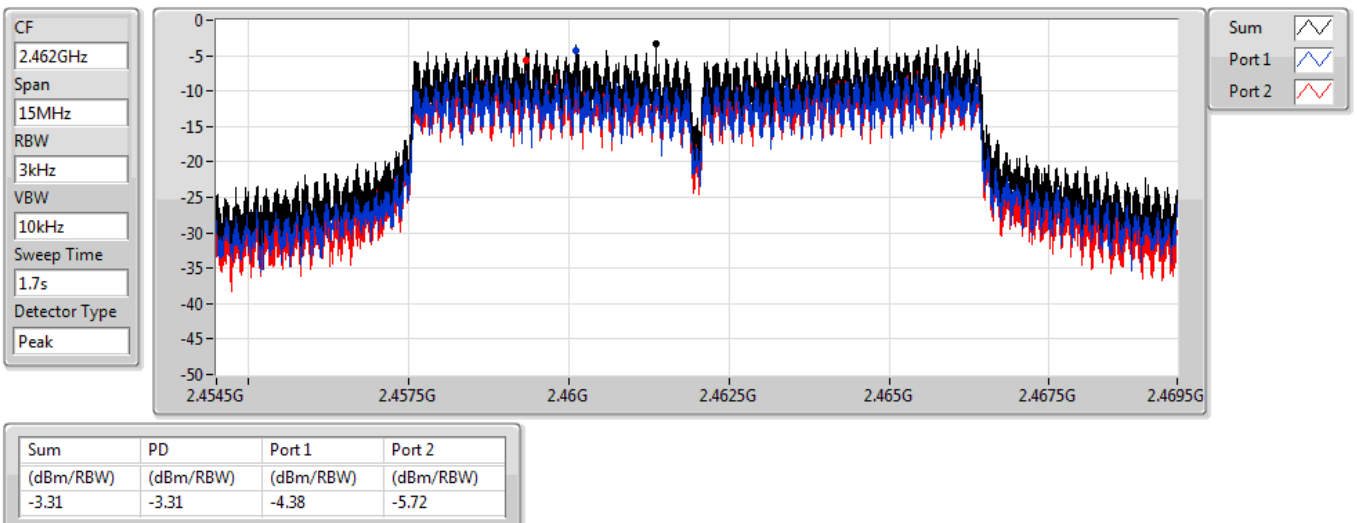


11n-10M_Nss1,(MCS0)_2TX

2462MHz

PSD

04/02/2021

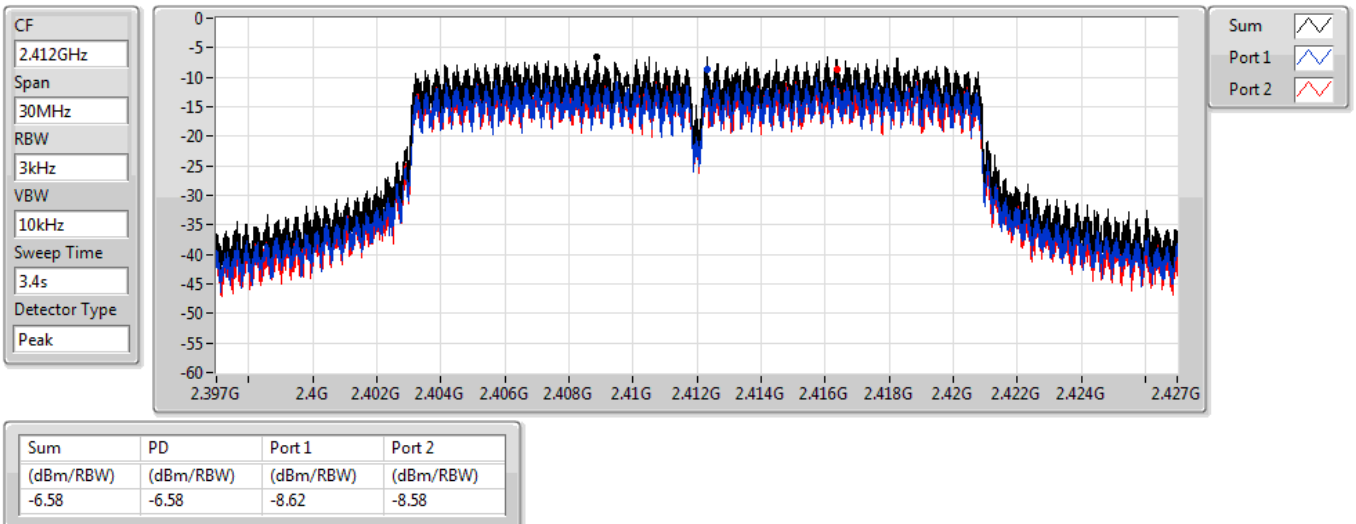


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2412MHz

27/01/2021

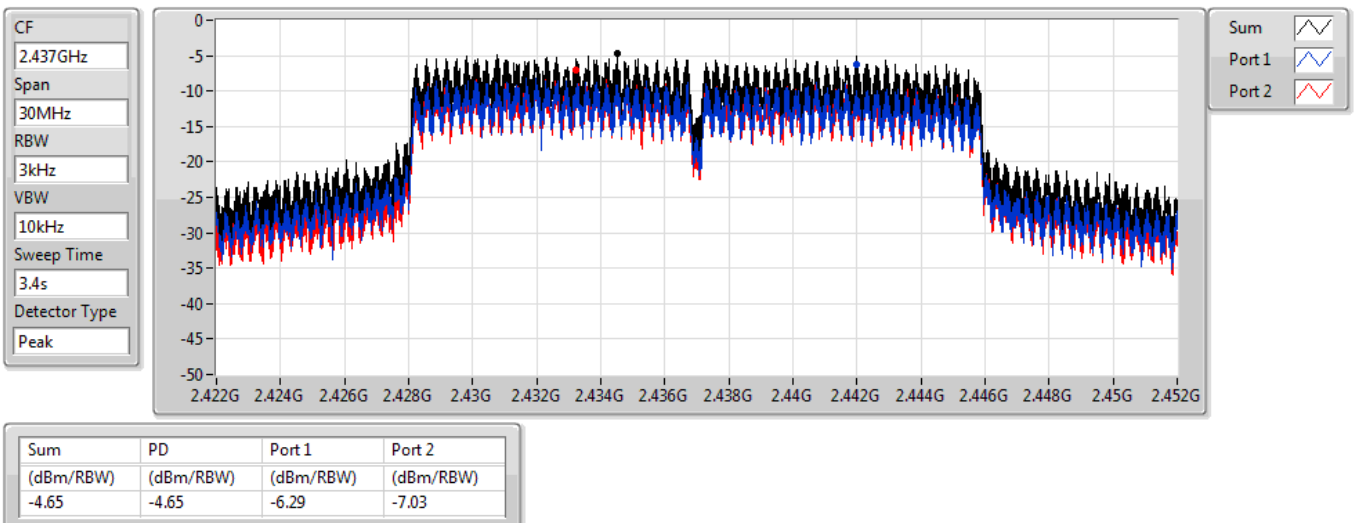


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2437MHz

27/01/2021

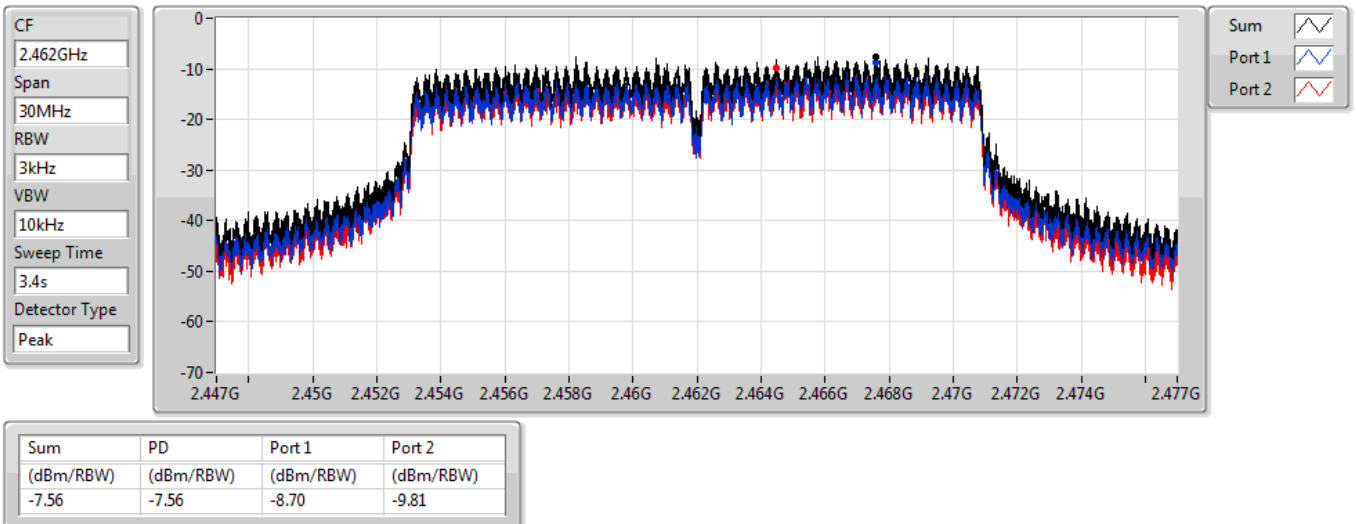


802.11n HT20_Nss1,(MCS0)_2TX

PSD

2462MHz

27/01/2021

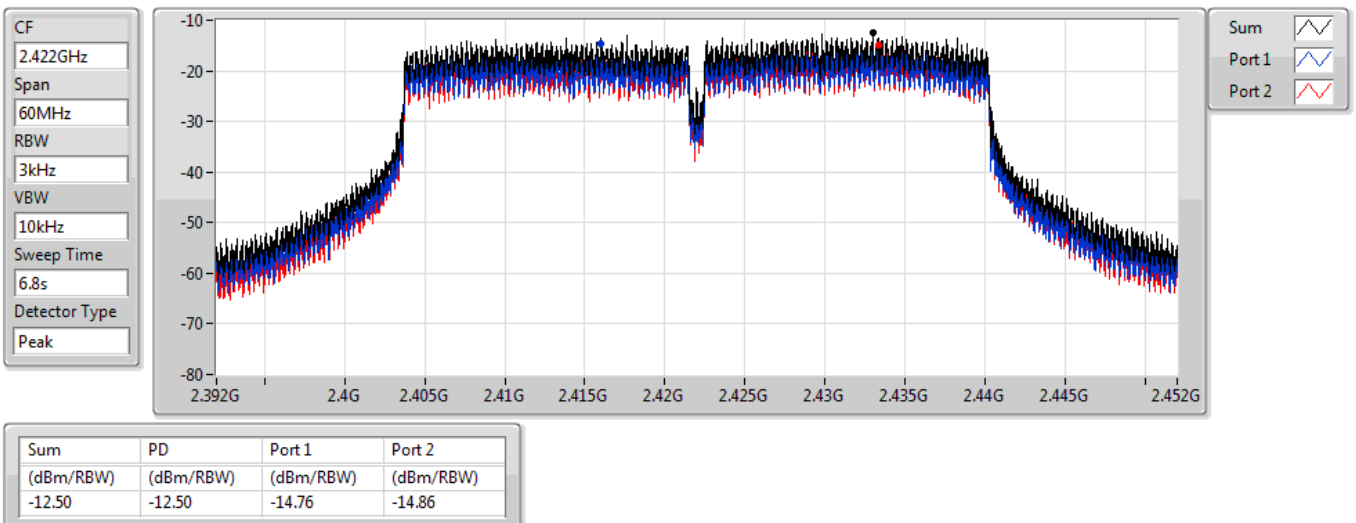


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2422MHz

27/01/2021

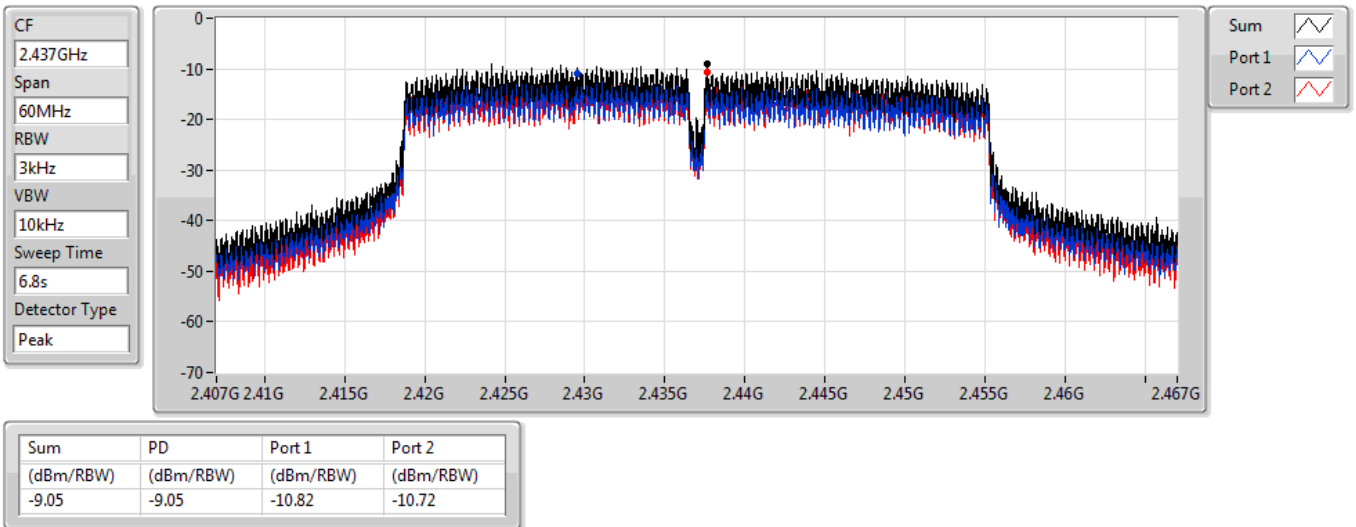


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2437MHz

27/01/2021

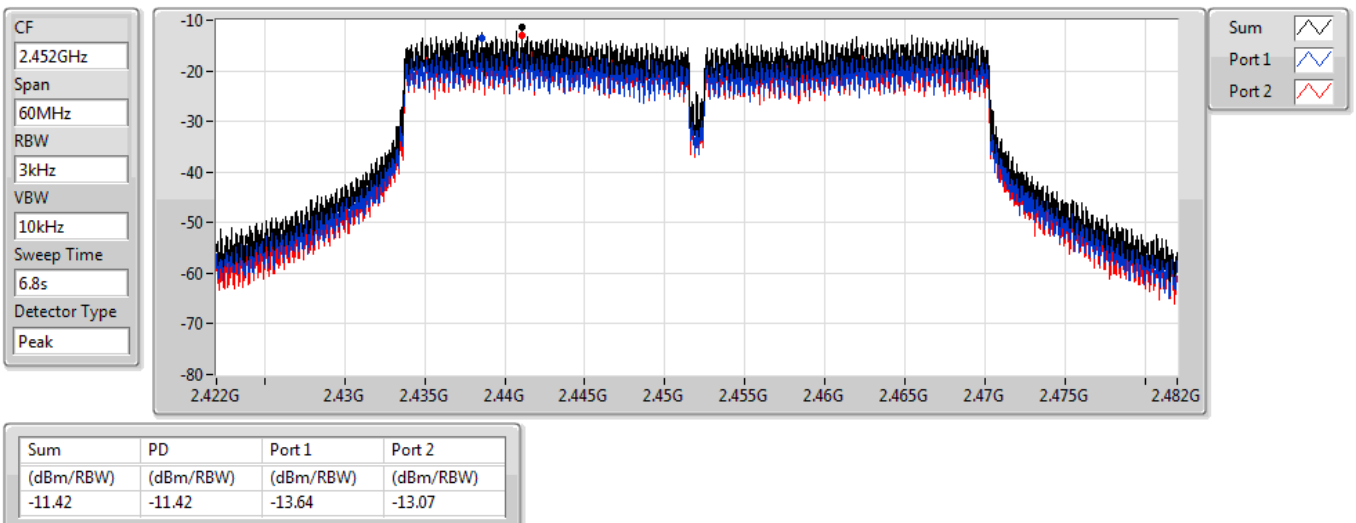


802.11n HT40_Nss1,(MCS0)_2TX

PSD

2452MHz

27/01/2021



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
11b-5M_Nss1,(1Mbps)_2TX	2.34
11b-10M_Nss1,(1Mbps)_2TX	-0.44
11b-20M_Nss1,(1Mbps)_2TX	-2.62
11g-5M_Nss1,(6Mbps)_2TX	6.40
11g-10M_Nss1,(6Mbps)_2TX	-1.37
11g-20M_Nss1,(6Mbps)_2TX	-3.37
11n-5M_Nss1,(MCS0)_2TX	6.06
11n-10M_Nss1,(MCS0)_2TX	-1.97
802.11n HT20_Nss1,(MCS0)_2TX	-3.81
802.11n HT40_Nss1,(MCS0)_2TX	-7.80

Result

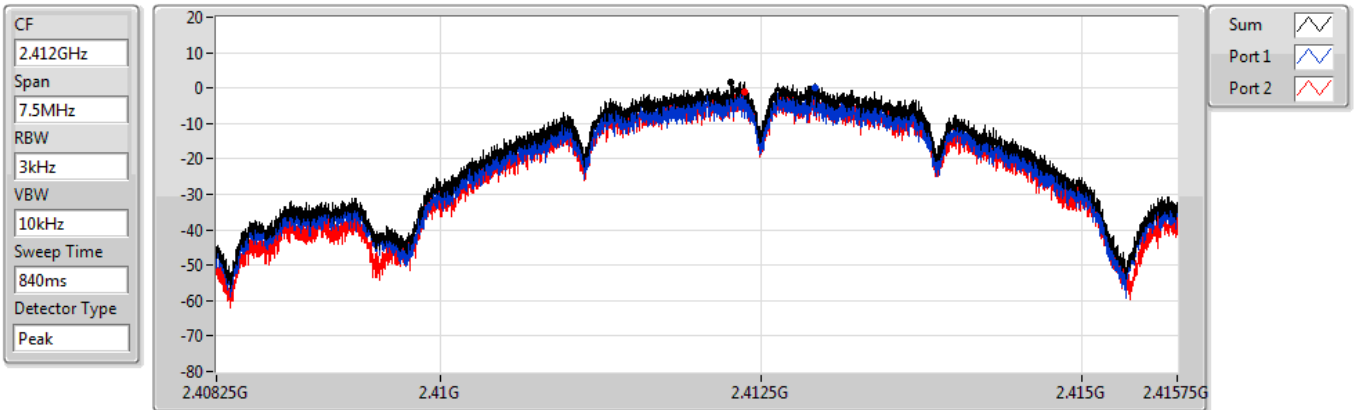
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
11b-5M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	0.24	-0.92	1.48	7.78
2437MHz	Pass	6.22	0.19	0.04	2.34	7.78
2462MHz	Pass	6.22	-0.38	-0.64	2.08	7.78
11b-10M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-3.06	-4.13	-1.74	7.78
2437MHz	Pass	6.22	-2.79	-2.98	-0.77	7.78
2462MHz	Pass	6.22	-3.11	-2.16	-0.44	7.78
11b-20M_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-6.33	-5.74	-3.24	7.78
2437MHz	Pass	6.22	-4.34	-4.15	-2.62	7.78
2462MHz	Pass	6.22	-6.02	-5.30	-3.34	7.78
11g-5M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-2.64	-2.72	-0.69	7.78
2437MHz	Pass	6.22	4.07	4.38	6.40	7.78
2462MHz	Pass	6.22	-1.59	-1.85	0.83	7.78
11g-10M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-2.91	-5.28	-1.98	7.78
2437MHz	Pass	6.22	-3.69	-3.81	-1.37	7.78
2462MHz	Pass	6.22	-2.28	-4.81	-1.64	7.78
11g-20M_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-8.66	-8.67	-6.70	7.78
2437MHz	Pass	6.22	-5.14	-5.04	-3.37	7.78
2462MHz	Pass	6.22	-8.92	-8.71	-6.76	7.78
11n-5M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-1.17	-2.26	0.61	7.78
2437MHz	Pass	6.22	3.65	3.85	6.06	7.78
2462MHz	Pass	6.22	-2.03	-1.83	-0.27	7.78
11n-10M_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-4.56	-5.39	-2.76	7.78
2437MHz	Pass	6.22	-4.02	-3.31	-1.97	7.78
2462MHz	Pass	6.22	-4.45	-4.93	-2.74	7.78
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	6.22	-9.46	-9.70	-7.58	7.78
2437MHz	Pass	6.22	-5.39	-5.99	-3.81	7.78
2462MHz	Pass	6.22	-8.88	-8.97	-6.97	7.78
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	6.22	-12.37	-13.62	-11.19	7.78
2437MHz	Pass	6.22	-9.19	-9.64	-7.80	7.78
2452MHz	Pass	6.22	-12.47	-13.44	-11.24	7.78

11b-5M_Nss1,(1Mbps)_2TX

PSD

2412MHz

03/02/2021

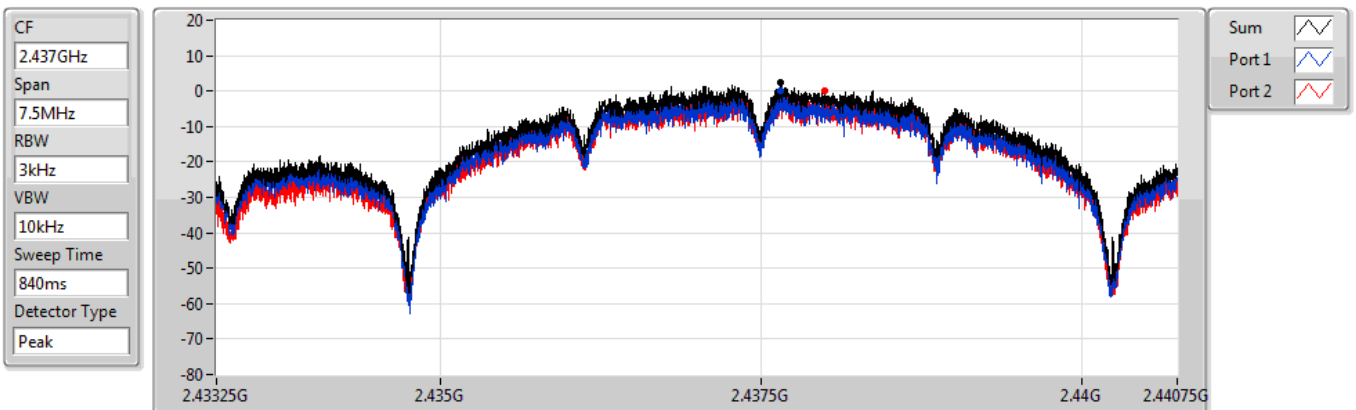


11b-5M_Nss1,(1Mbps)_2TX

PSD

2437MHz

03/02/2021

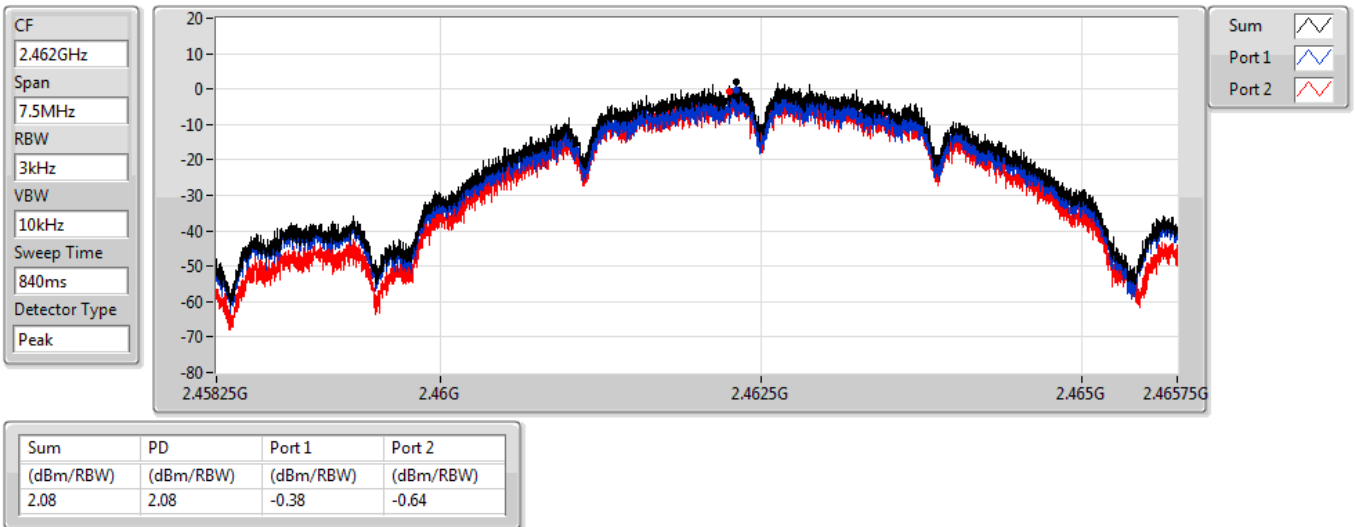


11b-5M_Nss1,(1Mbps)_2TX

PSD

2462MHz

03/02/2021

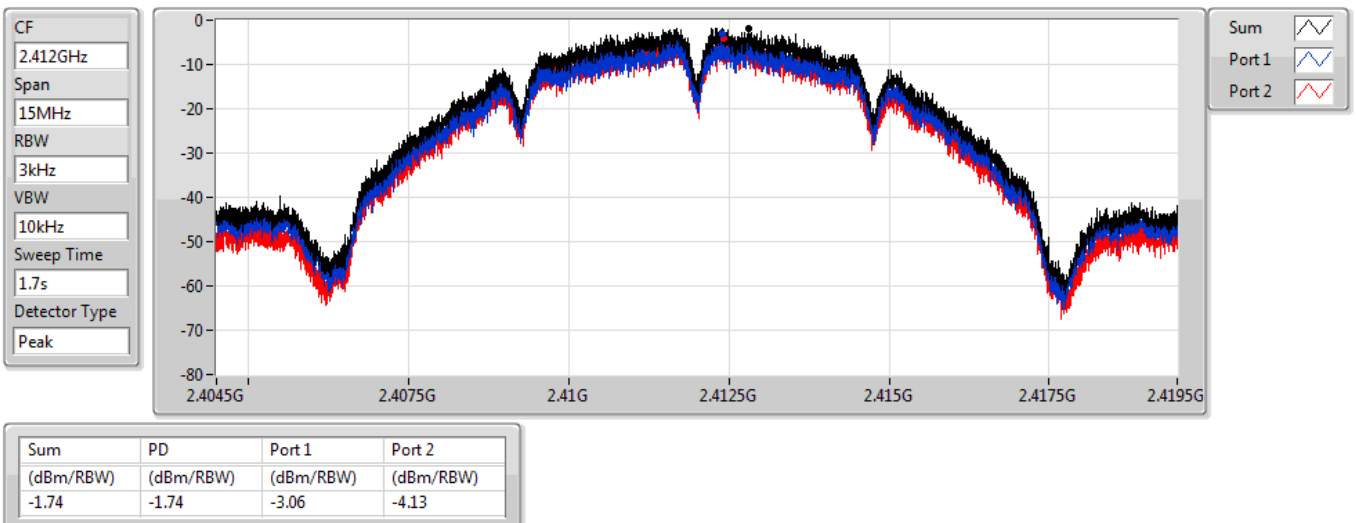


11b-10M_Nss1,(1Mbps)_2TX

PSD

2412MHz

03/02/2021

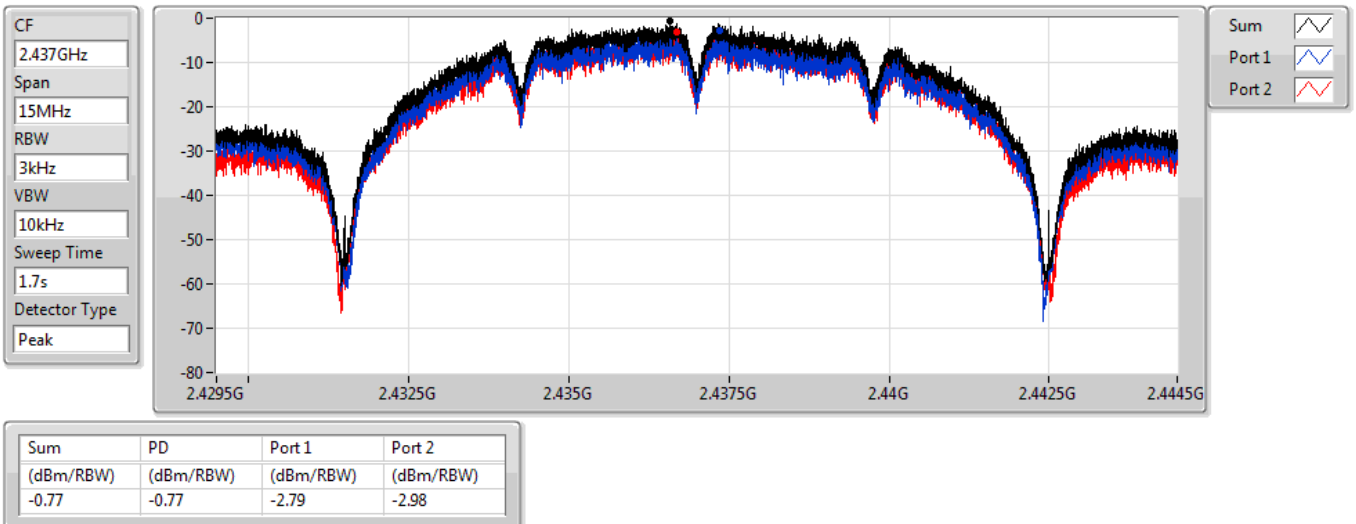


11b-10M_Nss1,(1Mbps)_2TX

PSD

2437MHz

03/02/2021

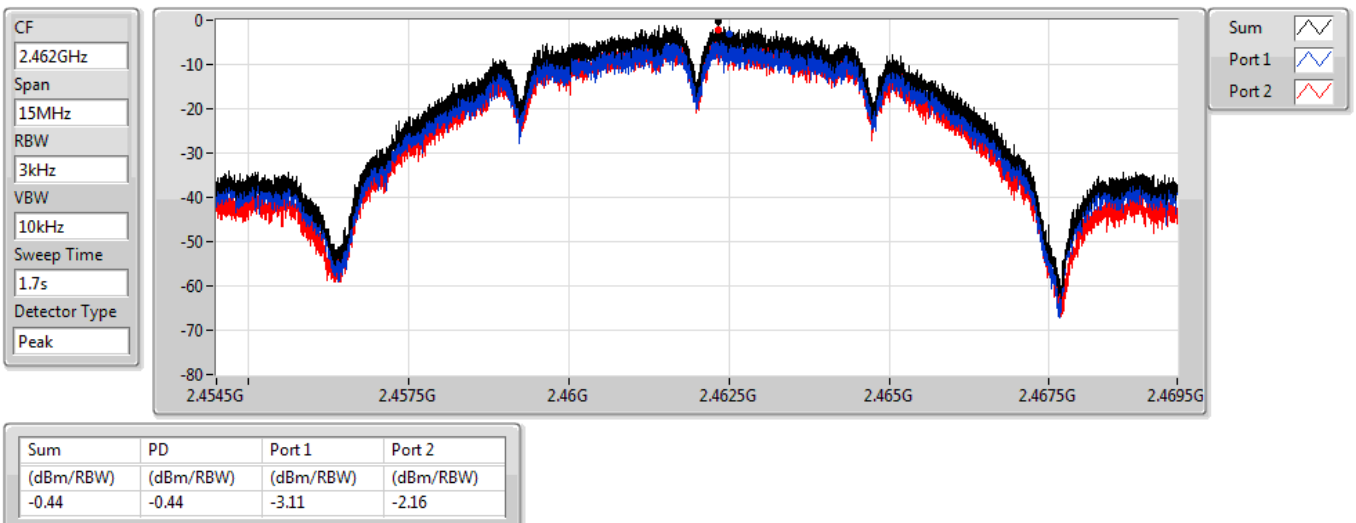


11b-10M_Nss1,(1Mbps)_2TX

PSD

2462MHz

03/02/2021

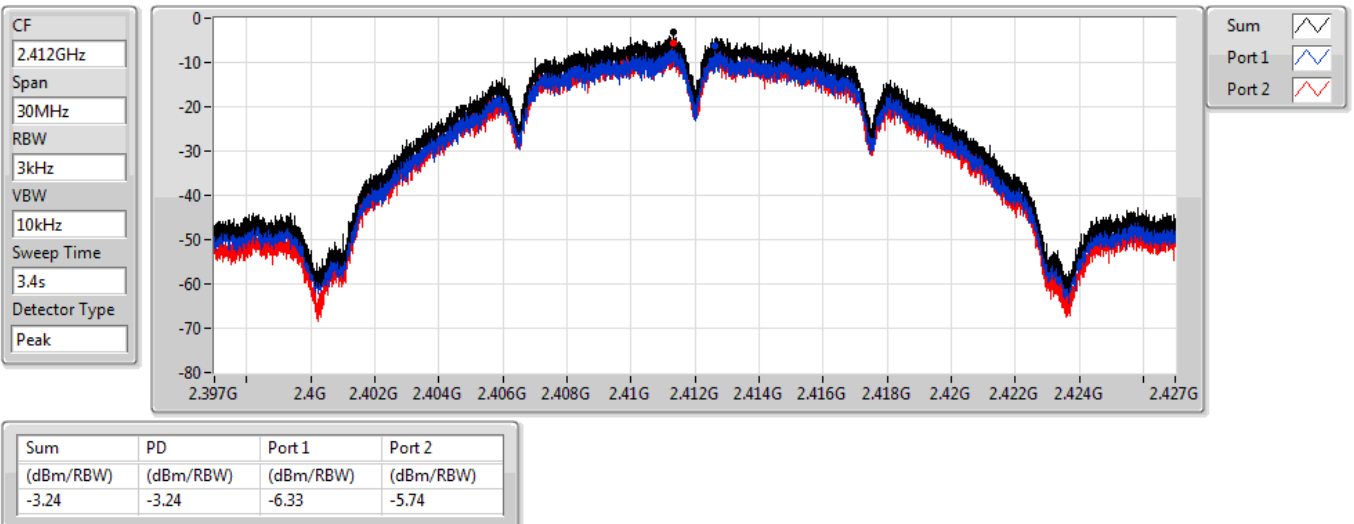


11b-20M_Nss1,(1Mbps)_2TX

PSD

2412MHz

03/02/2021

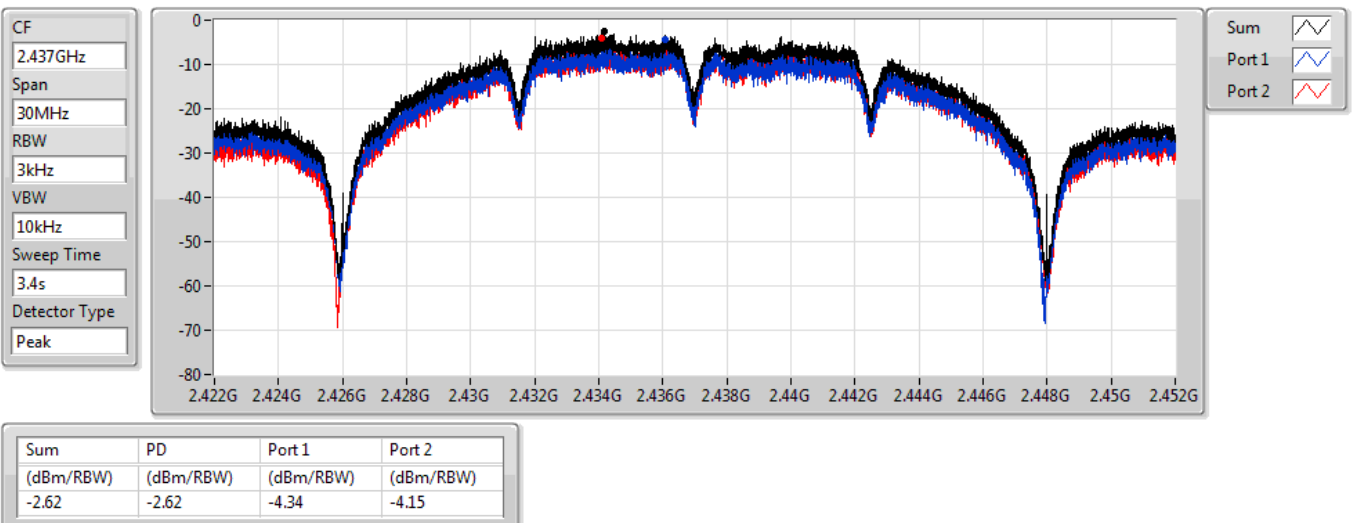


11b-20M_Nss1,(1Mbps)_2TX

PSD

2437MHz

03/02/2021

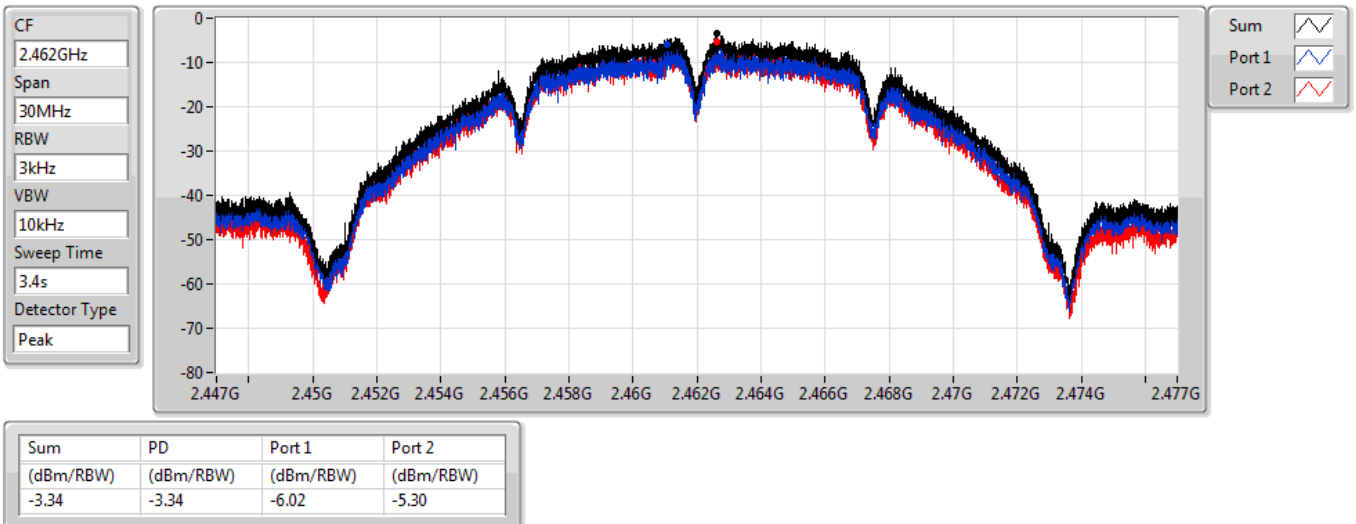


11b-20M_Nss1,(1Mbps)_2TX

PSD

2462MHz

03/02/2021

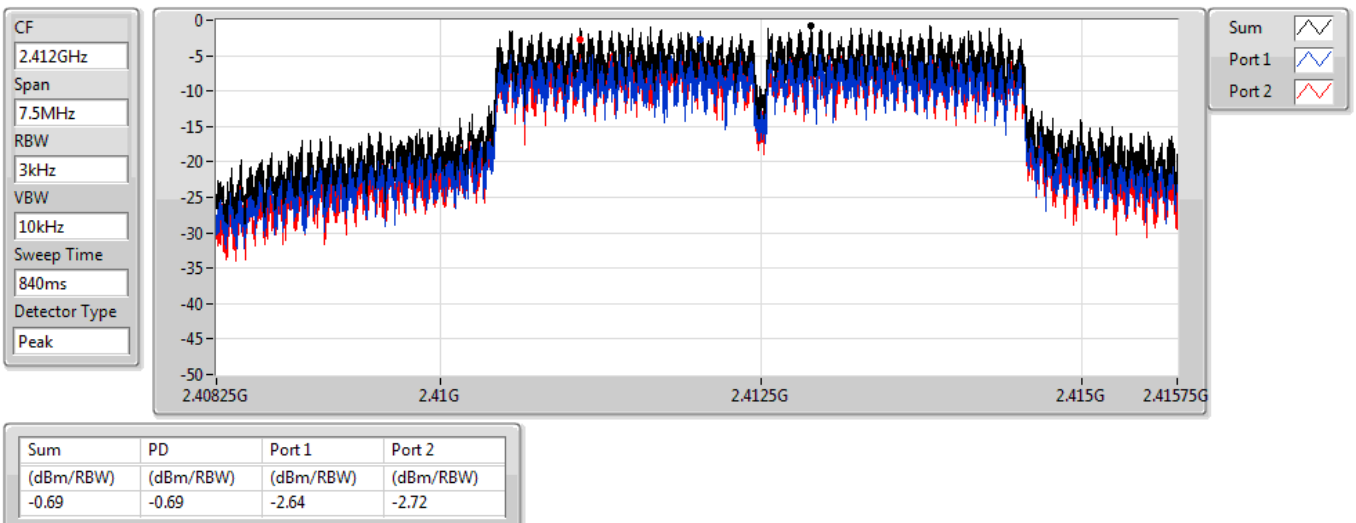


11g-5M_Nss1,(6Mbps)_2TX

PSD

2412MHz

03/02/2021

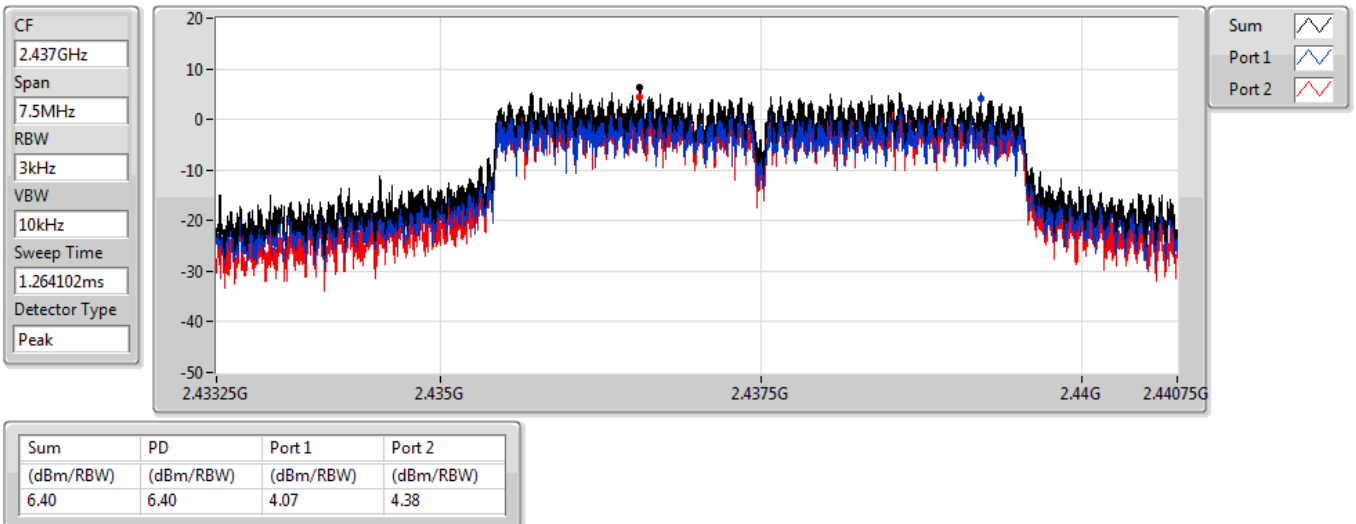


11g-5M_Nss1,(6Mbps)_2TX

PSD

2437MHz

18/02/2021

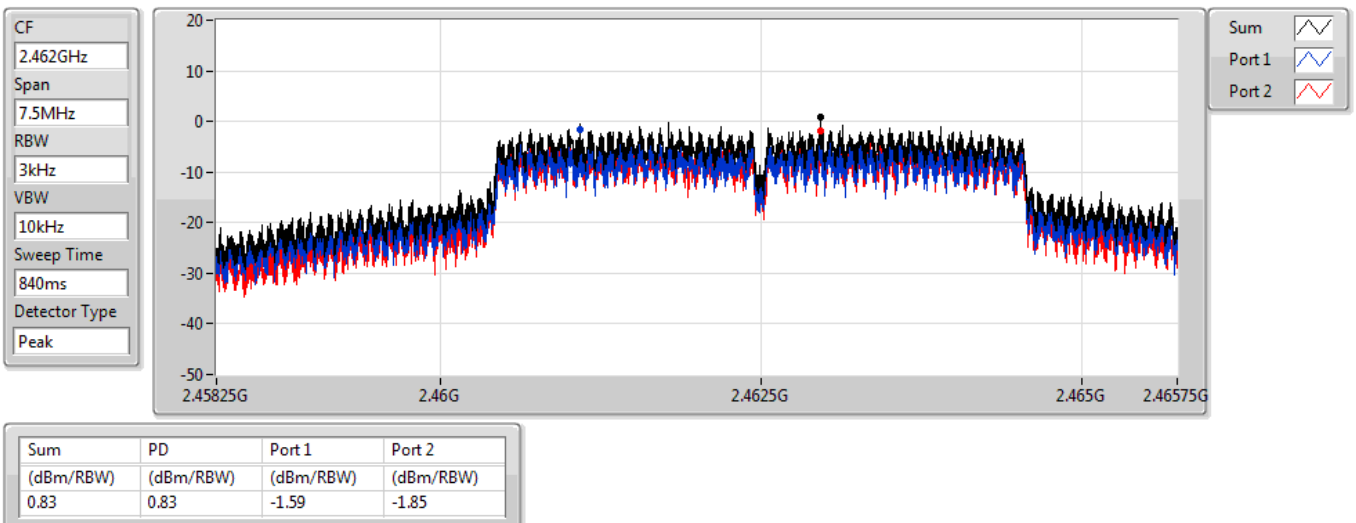


11g-5M_Nss1,(6Mbps)_2TX

PSD

2462MHz

03/02/2021

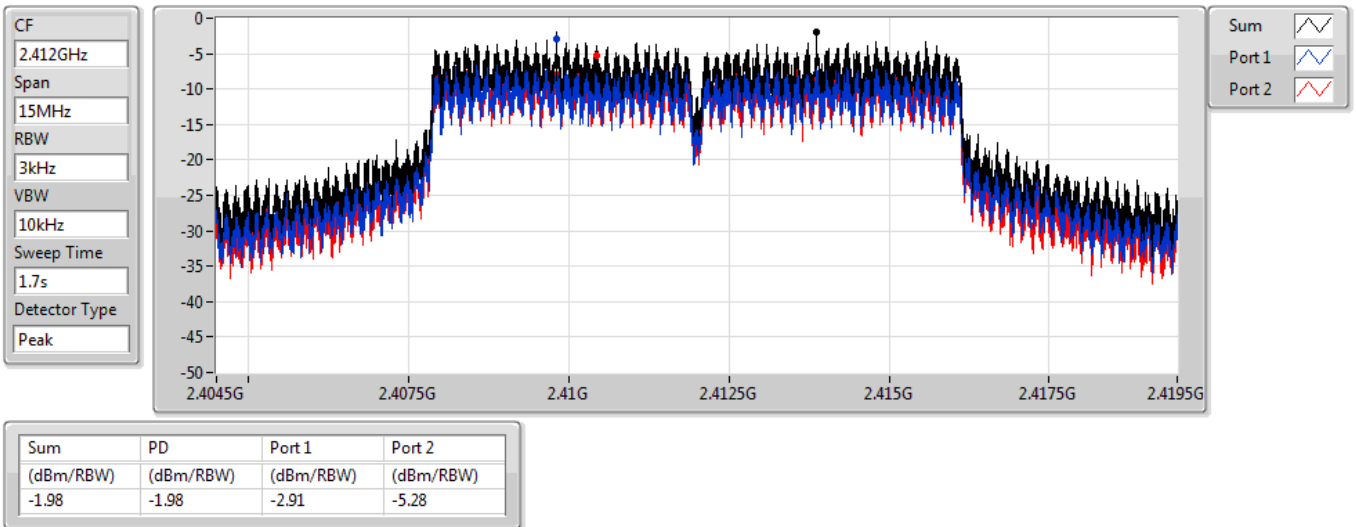


11g-10M_Nss1,(6Mbps)_2TX

PSD

2412MHz

03/02/2021

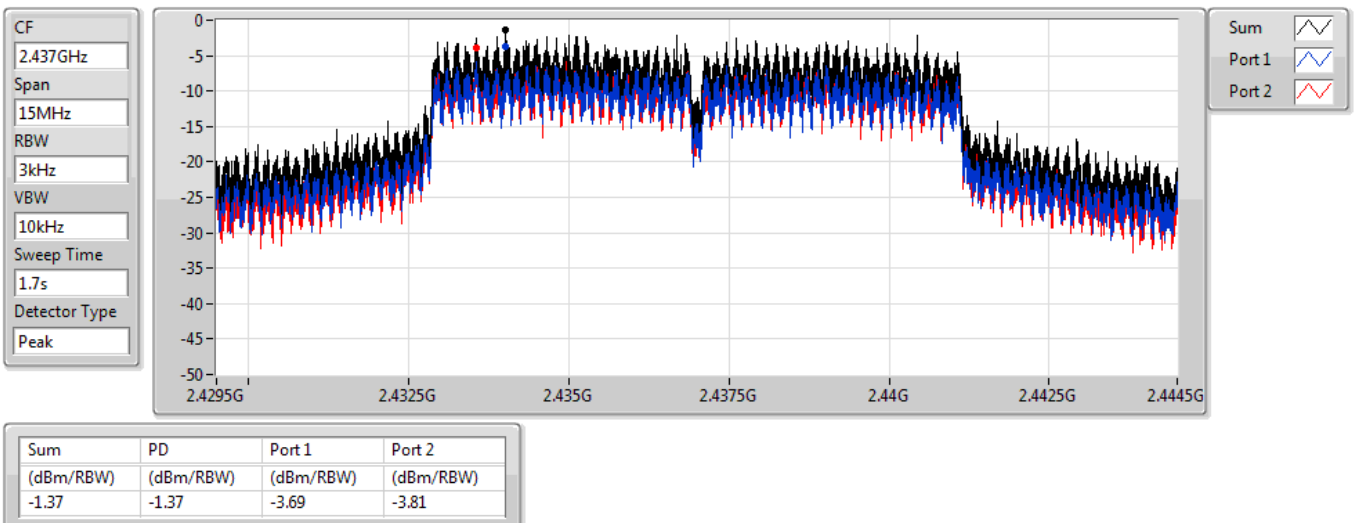


11g-10M_Nss1,(6Mbps)_2TX

PSD

2437MHz

03/02/2021

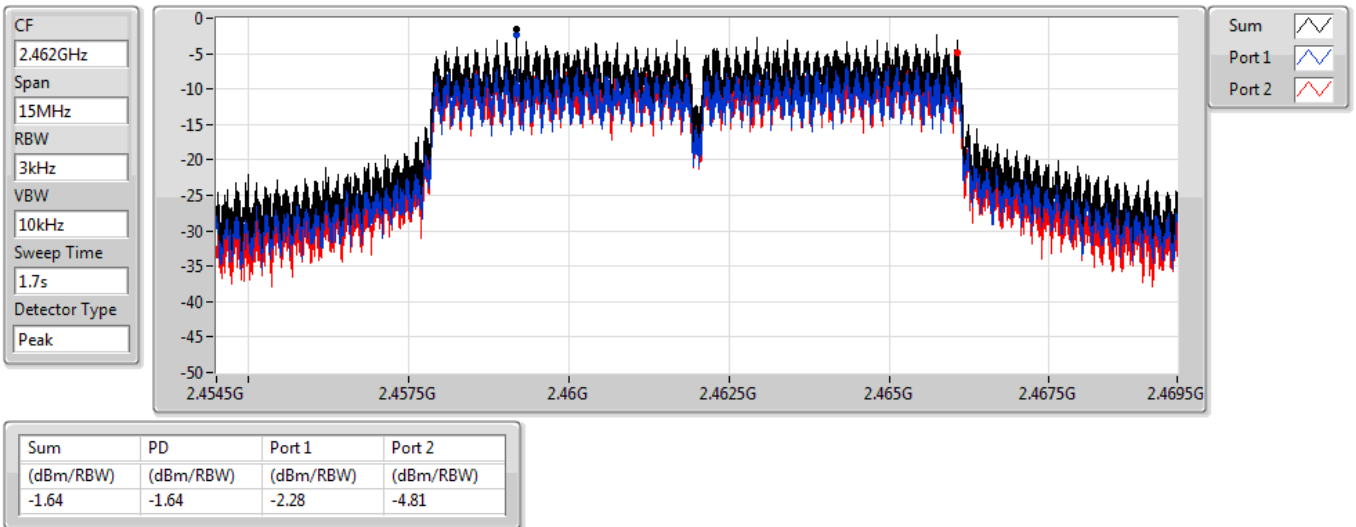


11g-10M_Nss1,(6Mbps)_2TX

PSD

2462MHz

03/02/2021

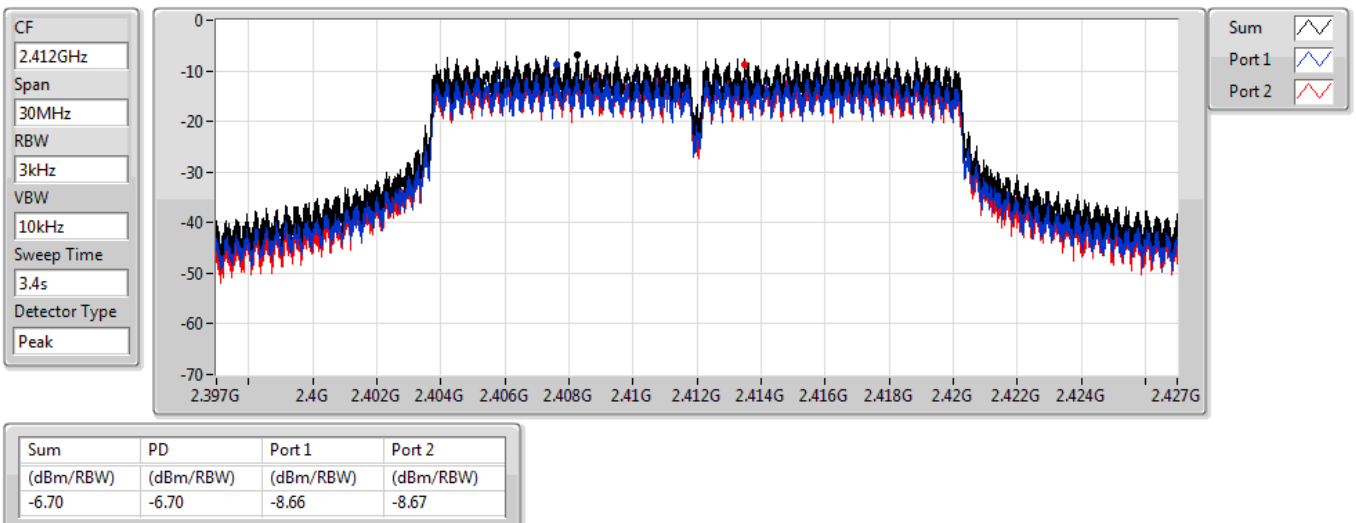


11g-20M_Nss1,(6Mbps)_2TX

PSD

2412MHz

03/02/2021

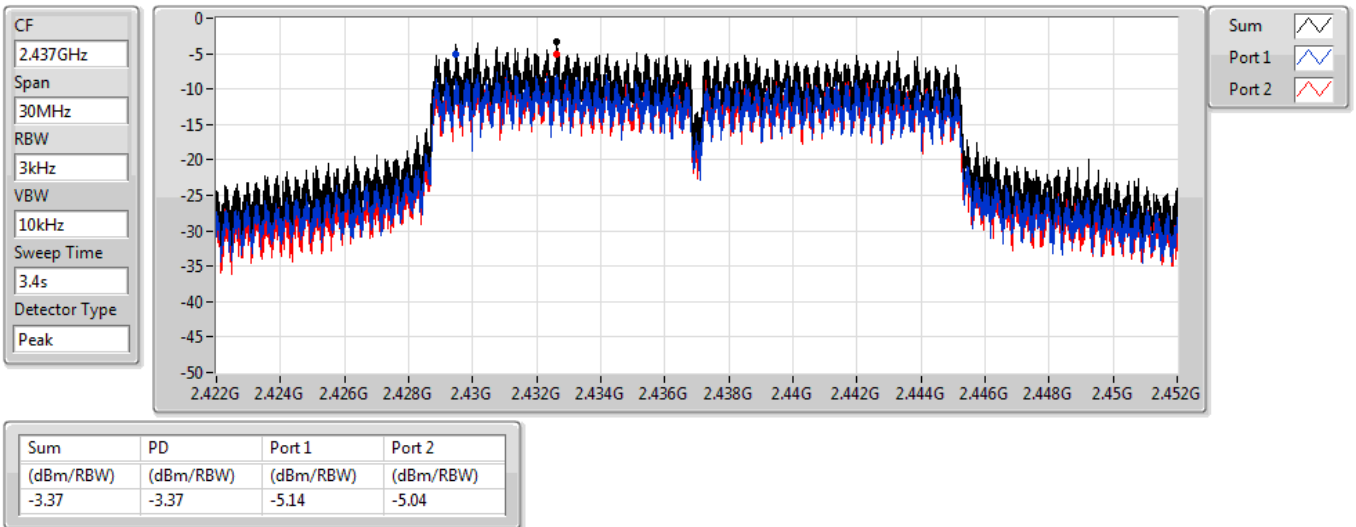


11g-20M_Nss1,(6Mbps)_2TX

2437MHz

PSD

03/02/2021



11g-20M_Nss1,(6Mbps)_2TX

2462MHz

PSD

03/02/2021

