FCC Radio Test Report

FCC ID	:	TOR-C330
Equipment	:	Wireless Access Point
Brand Name	:	Arista
Model Name	:	C-330, C-330E
Applicant	:	Arista Networks, Inc. 5453 Great America Parkway, Santa Clara, CA 95054 USA
Manufacturer	:	Arista Networks, Inc. 5453 Great America Parkway, Santa Clara, CA 95054 USA
Standard	:	47 CFR FCC Part 15.247

The product was received on Dec. 16, 2022, and testing was started from Dec. 23, 2022 and completed on Mar. 02, 2023. We, SPORTON INTERNATIONAL INC. Hsinhua Laboratory, would like to declare that the tested sample has been evaluated in accordance with the procedures given in ANSI C63.10-2013 and shown compliance with the applicable technical standards.

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

Approved by: Jackson Tsai

SPORTON INTERNATIONAL INC. Hsinhua Laboratory

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

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History of this test report

Report No.	Version	Description	Issued Date
FR2D1412AC	01	Initial issue of report	Mar. 31, 2023
FR2D1412AC	02	Revise Equipment name (This report is the latest version replacing for the report issued on Mar. 31, 2023)	Apr. 10, 2023
FR2D1412AC	03	Revise Antenna Information (This report is the latest version replacing for the report issued on Apr. 10, 2023)	May 08, 2023

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:
The EUT supports beamforming and CDD modes, and the CDD mode is the worst case. Therefore, all test items are evaluated in the report. The beamforming mode only evaluates the output power.

Reviewed by: Ryan Hsiao

Report Producer: Ann Hou

1 General Description

1.1 Information

1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), ax(HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), ax(HEW40)	2422-2452	3-9 [7]

Non-Beamforming_C-330_Radio 1

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

Non-Beamforming_C-330_Radio 3

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

Non-Beamforming_C-330E_Radio 1

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

Non-Beamforming_C-330E_Radio 3

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

Beamforming_C-330_Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Beamforming_C-330_Radio 3

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Beamforming_C-330E_Radio 1

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Beamforming_C-330E_Radio 3

Band	Mode	BWch (MHz)	Nant
2.4-2.4835GHz	802.11ax HEW20-BF	20	2TX
2.4-2.4835GHz	802.11ax HEW40-BF	40	2TX

Note:
- 11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.
- 11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.
- HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.
- BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

C-330

Ant.	Brand	Model Name	Antenna Type	Connector	Remark
1	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 3_2.4G+5G+6G
2	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 1_2.4G+Radio 0_5G
3	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 3_2.4G+5G+6G
4	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 1_2.4G+ Radio 0_5G
5	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 2_6G
6	WHAYU	C393-510223-A	PIFA	I-PEX	Radio 2_6G
7	WHAYU	C393-510223-A	Dipole	I-PEX	Radio 4_BT

Ant.	Gain (dBi)						
	Radio 0	Radio 1	Radio 2	Radio 3			Radio 4
	5G	2.4G	6G	2.4G	5G	6G	BT
1	-	-	-	4.7	6.4	6.3	-
2	2.48	1.31	-	-	-	-	-
3	-	-	-	4.2	6.4	6.1	-
4	4.29	1.14	-	-	-	-	-
5	-	-	5.79	-	-	-	-
6	-	-	5.88	-	-	-	-
7	-	-	-	-	-	-	4.6

Composite Gain (dBi)									
	2.4G	UNII-1	UNII-2A	UNII-2C	UNII-3	6.175G	6.475G	6.695G	6.995G
DG [1SS]	2.43	4.5	3.9	3.82	4.72	6.06	5.38	6.58	6.18
DG [2SS]	1.31	4.29	3.18	3.16	3.09	5.88	5.1	5.81	5.86

Note 1: The EUT has seven antennas.

Note 2: The composite gain is derived as KDB 662911 D03 v01 which was used as directional gain for Radio 0, Radio 1, Radio 2. For more detail information, please refer to the Antenna Pattern Report AP2D1412.

Note 3: Directional gain information for Radio 3

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{sts}}\left\{\sum_{k=1}^{N_{ant}} g_{j,k}\right\}^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{sts}}\left\{\sum_{k=1}^{N_{ant}} g_{j,k}\right\}^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{sts}}\left\{\sum_{k=1}^{N_{ant}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

For 2.4GHz function:
For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 1)
Ant. 2 and Ant. 4 could transmit/receive simultaneously.
For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 0)
Ant. 2 and Ant. 4 could transmit/receive simultaneously.
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.
For BT function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Radio 4)
Ant. 7 could transmit/receive.
For 6GHz function:
For IEEE 802.11 ax mode (2TX/2RX) (Radio 2)
Ant. 5 and Ant. 6 could transmit/receive simultaneously.
For IEEE 802.11 ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.

C-330E

Ant.	Brand	Model Name	Antenna Type	Connector	Remark
1	WHAYU	C393-510225-A	External Dipole	SMA	Radio 3_2.4G+5G
2	WHAYU	C393-510225-A	External Dipole	SMA	Radio 1_2.4G+Radio 0_5G
3	WHAYU	C393-510225-A	External Dipole	SMA	Radio 3_2.4G+5G
4	WHAYU	C393-510225-A	External Dipole	SMA	Radio 1_2.4G+ Radio 0_5G
5	WHAYU	C393-510224-A	Dipole	I-PEX	Radio 4_BT

Ant.	Gain (dBi)				
	Radio 0	Radio 1	Radio 3		Radio 4
	5G	2.4G	2.4G	5G	BT
1	-	-	5.2	5.6	-
2	5.9	4.9	-	-	-
3	-	-	4.7	6.6	-
4	5.6	4.4	-	-	-
5	-	-	-	-	4.6

Note 1: Directional gain information for Radio 0, Radio 1, Radio 3.

	Maximum Output Power	Power Spectral Density
Non-BF	Directional gain = Max.gain + array gain. For power measurements on IEEE 802.11 devices Array Gain = 0 dB (i.e., no array gain) for N ANT ≤ 4	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{ss}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$
BF	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{ss}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$	$DirectionalGain = 10 \cdot \log\left[\frac{\sum_{j=1}^{N_{ss}}\left\{\sum_{k=1}^{N_{ANT}} g_{j,k}\right\}^2}{N_{ANT}}\right]$

For 2.4GHz function:
For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 1)
Ant. 2 and Ant. 4 could transmit/receive simultaneously.
For IEEE 802.11 b/g/n/ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.
For 5GHz function:
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 0)
Ant. 2 and Ant. 4 could transmit/receive simultaneously.
For IEEE 802.11 a/n/ac/ax mode (2TX/2RX) (Radio 3)
Ant. 1 and Ant. 3 could transmit/receive simultaneously.
For BT function:
For IEEE 802.15.1 Bluetooth mode (1TX/1RX) (Radio 4)
Ant. 5 could transmit/receive.

1.1.3 EUT Information

Operational Condition				
EUT Power Type	From PoE			
EUT Function	☒	Point-to-multipoint	☐	Point-to-point
Beamforming Function	☒	With beamforming	☐	Without beamforming
Resource Unit(802.11ax)	☒	Full RU	☐	Partial RU

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

Non-Beamforming_C-330_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.703	1.53	689.063u	3k
802.11g_Nss1,(6Mbps)_2TX	0.949	0.23	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Non-Beamforming_C-330_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.703	1.53	689.063u	3k
802.11g_Nss1,(6Mbps)_2TX	0.949	0.23	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Non-Beamforming_C-330E_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.703	1.53	689.063u	3k
802.11g_Nss1,(6Mbps)_2TX	0.948	0.23	1.978m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Non-Beamforming_C-330E_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.703	1.53	689.063u	3k
802.11g_Nss1,(6Mbps)_2TX	0.949	0.23	1.977m	1k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Beamforming_C-330_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Beamforming_C-330_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Beamforming_C-330E_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

Beamforming_C-330E_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.822	0.85	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.787	1.04	5.446m	300

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

1.1.5 Table for Multiple Listing

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

Model Name	Antenna	Description
C-330	Internal	Same PCBA, only different in housing and antenna.
C-330E	External	

1.2 Testing Applied Standards

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

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

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

- KDB 558074 D01 v05r02
- KDB 662911 D01 v02r01
- KDB 662911 D03 v01
- KDB 414788 D01 v01r01

1.3 Testing Location Information

Test Lab.：Sporton International Inc. Hsinhua Laboratory				
☒ 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_C-330	CO04-HY	Wayne Chiu	21.3~22.5°C / 53~59%	06/Jan/2023~07/Jan/2023
AC Conduction_C-330E	CO04-HY	Wayne Chiu	21.6~22.2°C / 55~60%	11/Jan/2023~12/Jan/2023
RF Conducted	TH07-HY	Yuna Lin	22.1~24.6°C / 52~60%	03/Jan/2023~17/Feb/2023
Radiated_C-330E	03CH02-HY	Jack Tang	19.8~22.3°C / 61~64%	31/Dec/2022~07/Jan/2023
Radiated_C-330E (Co-location)	03CH02-HY	Jack Tang	19.6~20.3°C / 62~64%	02/Mar/2023
☒ Wen 33rd.St. **(TAF:** 3785**)**	**ADD:** No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		**FAX:** 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				
Test Condition	**Test Site No.**	**Test Engineer**	**Test Environment**	**Test Date**
Radiated_C-330	03CH09-HY	Lego Lin	20.5~23.5°C / 59~63%	23/Dec/2022~05/Jan/2023
Radiated_C-330 (Co-location)	03CH09-HY	Lego Lin	20.9~23.3°C / 59~66%	12/Jan/2023

1.4 Measurement Uncertainty

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

Test Items	**Uncertainty**	**Remark**
AC Power-line Conducted Emissions	4.53 dB	Confidence levels of 95%
Bandwidth	3 MHz	Confidence levels of 95%
Maximum Conducted Output Power	2 dB	Confidence levels of 95%
Power Spectral Density	2 dB	Confidence levels of 95%
Emissions in Non-restricted Frequency Bands	0.14 dB	Confidence levels of 95%
Emissions in Restricted Frequency Bands	4.8 dB	Confidence levels of 95%
Temperature	0.41 °C	Confidence levels of 95%
Humidity	3.4 %	Confidence levels of 95%

2 Test Configuration of EUT

2.1 Test Channel Mode

Test Software Version	qdart_conn.win.1.0_installer_00095.1

Non-Beamforming_C-330_Radio 1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	17.5
2437MHz	17.5
2462MHz	17.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16.5
2417MHz	17.5
2437MHz	17.5
2457MHz	17.5
2462MHz	15.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	17.5
2437MHz	17.5
2457MHz	17.5
2462MHz	15
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2427MHz	17
2437MHz	17
2447MHz	14.5
2452MHz	12.5

Non-Beamforming_C-330_Radio 3

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16.5
2437MHz	16.5

Mode	Power Setting
2462MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	16.5
2447MHz	16.5
2452MHz	16

Non-Beamforming_C-330E_Radio 1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	17.5
2437MHz	17.5
2462MHz	17.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16.5
2417MHz	17.5
2437MHz	17.5
2462MHz	17.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	17.5
2437MHz	17.5
2457MHz	17.5
2462MHz	14
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	13
2427MHz	14
2437MHz	14
2447MHz	12.5
2452MHz	14.5

Non-Beamforming_C-330E_Radio 3

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	16.5
2452MHz	16.5

Beamforming_C-330_Radio 1

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	17.5
2437MHz	17.5
2457MHz	17.5
2462MHz	15
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	15.5
2427MHz	17
2437MHz	17
2447MHz	14.5
2452MHz	12.5

Beamforming_C-330_Radio 3

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	16
2417MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	16.5
2447MHz	16.5
2452MHz	16

Beamforming_C-330E_Radio 1

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	15
2417MHz	17.5
2437MHz	17.5
2457MHz	17.5
2462MHz	14
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	13
2427MHz	14
2437MHz	14
2447MHz	12.5
2452MHz	14.5

Beamforming_C-330E_Radio 3

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	16.5
2437MHz	16.5
2462MHz	16.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	16.5
2437MHz	16.5
2452MHz	16.5

2.2 The Worst Case Measurement Configuration

The Worst Case Mode for Following Conformance Tests	
Tests Item	AC power-line conducted emissions
Condition	AC power-line conducted measurement for line and neutral Test Voltage: 120Vac / 60Hz
Operating Mode	CTX
1	PoE mode

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

The Worst Case Mode for Following Conformance Tests			
Tests Item	Emissions in Restricted Frequency Bands		
Test Condition	Radiated measurement If EUT consist of multiple antenna assembly (multiple antenna are used in EUT regardless of spatial multiplexing MIMO configuration), the radiated test should be performed with highest antenna gain of each antenna type.		
Operating Mode < 1GHz	CTX		
1	PoE mode		
Operating Mode > 1GHz	CTX		
Orthogonal Planes of EUT	**X Plane**	**Y Plane**	**Z Plane**
			
Worst Planes of EUT	V (Radio 3)	V (Radio 1)	

The Worst Case Mode for Following Conformance Tests (C-330)	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 0+Radio 1+Radio 2+Radio 3 (2.4GHz WLAN)+Bluetooth
2	Radio 0+Radio 1+Radio 2+Radio 3 (5GHz WLAN)+Bluetooth
3	Radio 0+Radio 1+Radio 2+Radio 3 (6GHz WLAN)+Bluetooth
Refer to Sporton Test Report No.: FA2D1412 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests (C-330E)	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 0+Radio 1+Radio 3 (2.4GHz WLAN)+Bluetooth
2	Radio 0+Radio 1+Radio 3 (5GHz WLAN)+Bluetooth
Refer to Sporton Test Report No.: FA2D1412 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.	

2.3 Accessories

Accessories				
Ceiling	**Brand Name**	ARISTA	**Model Name**	MNT-AP-15MM

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

2.4 Support Equipment

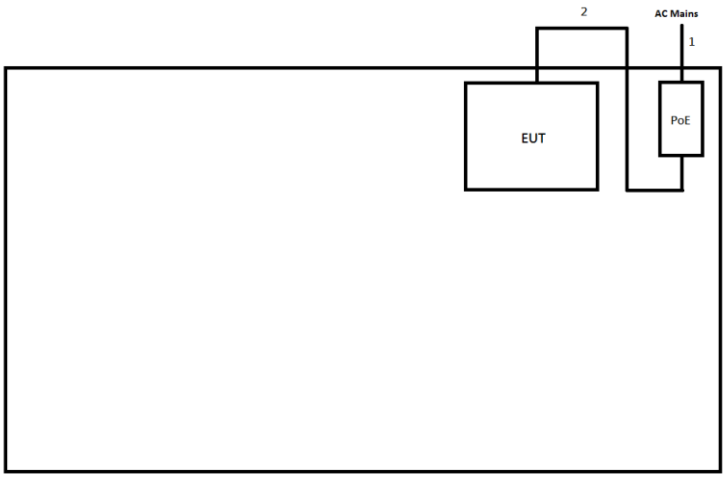
Support Equipment – AC Conduction					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power cable	Power Sync	TPCMRN0018	-	-
2	PoE	GRT	GRT-480125A	-	-
3	RJ45 cable	Power sync	CAT-6E-10	-	-

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

Support Equipment – Radiated					
No.	**Equipment**	**Brand Name**	**Model Name**	**FCC ID**	**Remark**
1	AC Power cable	Power Sync	TPCMRN0018	-	-
2	PoE	GRT	GRT-480125A	-	Remote
3	RJ45 cable	Power sync	CAT-6E-10	-	-

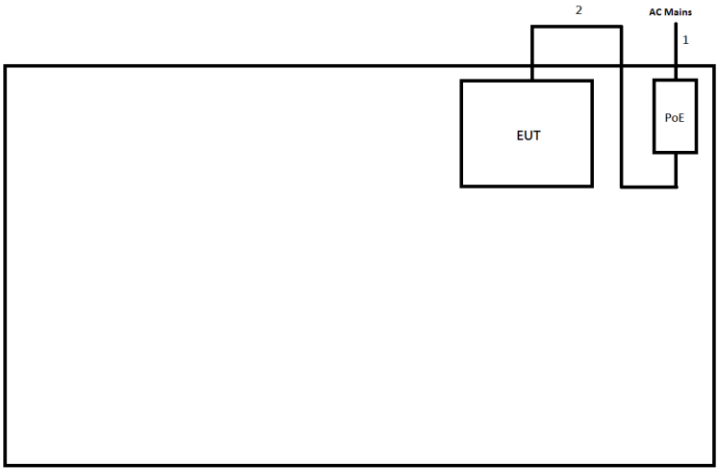
2.5 Test Setup Diagram

Test Setup Diagram – AC Line Conducted Emission Test (C-330)



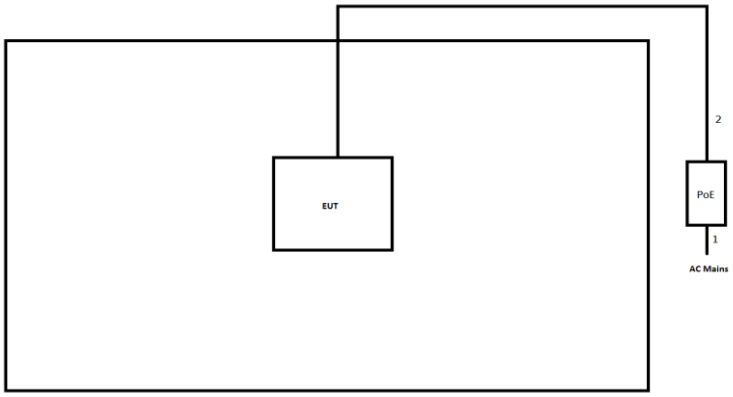
Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.5
2	RJ45 cable	No	10.0

Test Setup Diagram – AC Line Conducted Emission Test (C-330E)



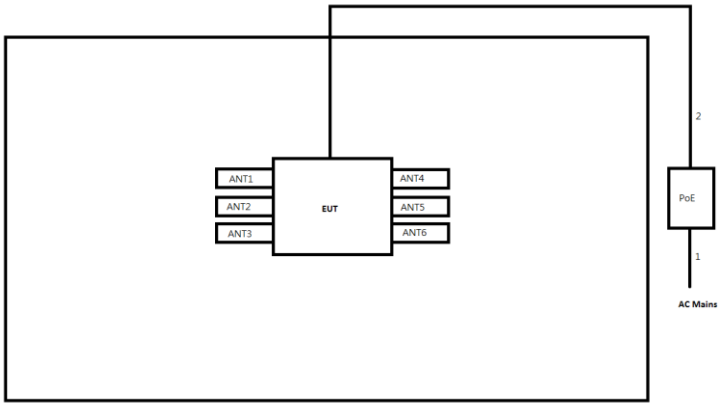
Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.5
2	RJ45 cable	No	10.0

Test Setup Diagram - Radiated Test (C-330)



Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.5
2	RJ45 cable	No	10.0

Test Setup Diagram - Radiated Test (C-330E)



Item	Connection	Shielded	Length (m)
1	AC Power cable	No	1.5
2	RJ45 cable	No	10.0

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

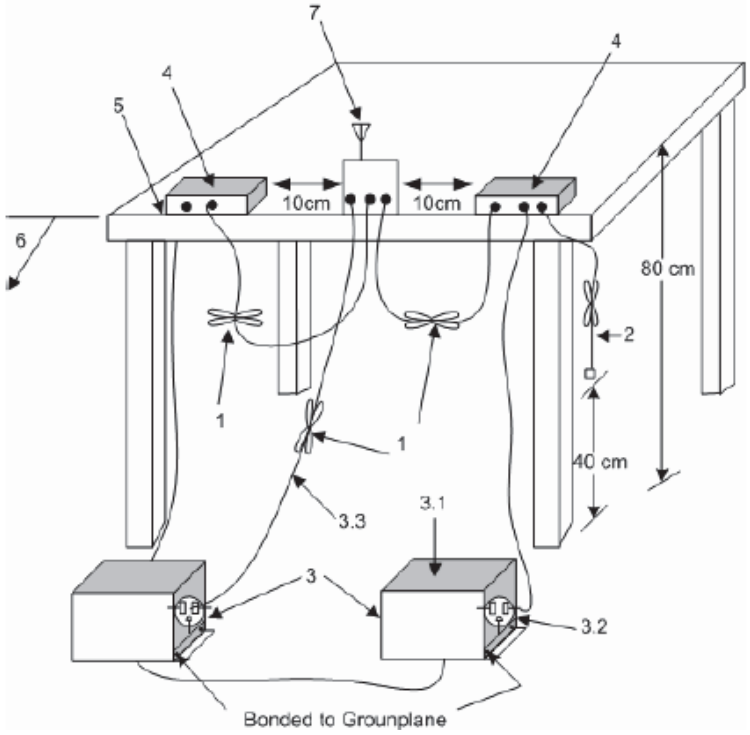
Test Method
☒ Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

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

AC Power-line Conducted Emissions



1—Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 cm to 40 cm long.
2—The I/O cables that are not connected to an accessory shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
3—EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50Ω loads. LISN may be placed on top of, or immediately beneath, reference ground plane.
3.1—All other equipment powered from additional LISN(s).
3.2—A multiple-outlet strip may be used for multiple power cords of non-EUT equipment.
3.3—LISN at least 80 cm from nearest part of EUT chassis.
4—Non-EUT components of EUT system being tested.
5—Rear of EUT, including peripherals, shall all be aligned and flush with edge of tabletop.
6—Edge of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.
7—Antenna can be integral or detachable. If detachable, then the antenna shall be attached for this test.

3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

3.2 DTS Bandwidth

3.2.1 6dB Bandwidth Limit

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

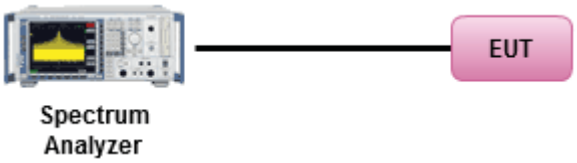
3.2.2 Measuring Instruments

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

3.2.3 Test Procedures

Test Method	
▪ For the emission bandwidth shall be measured using one of the options below:	
	☒ Refer as 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

Emission Bandwidth


3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B

3.3 Maximum Conducted Output Power

3.3.1 Maximum Conducted Output Power Limit

Maximum Conducted Output Power Limit			
	▪ If G_{TX} ≤ 6 dBi, then P_{Out} ≤ 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 + 8dB dBm	
e.i.r.p. Power Limit:			
▪ 2400-2483.5 MHz Band			
	▪ Point-to-multipoint systems (P2M): P_{eirp} ≤ 36 dBm (4 W)		
	▪ Point-to-point systems (P2P): P_{eirp} ≤ MAX(36, [P_{Out} + G_{TX}]) dBm		
	▪ Smart antenna system (SAS)		
		- Single beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Overlap beam: P_{eirp} ≤ MAX(36, P_{Out} + G_{TX}) dBm	
		- Aggregate power on all beams: P_{eirp} ≤ 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: $P_{total} = P_1 + P_2 + \ldots + P_n$ (calculated in linear unit [mW] and transfer to log unit [dBm]) $EIRP_{total} = P_{total} + DG$

3.3.4 Test Setup

Maximum Conducted Output Power (Power Meter)


3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

3.4 Power Spectral Density

3.4.1 Power Spectral Density Limit

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

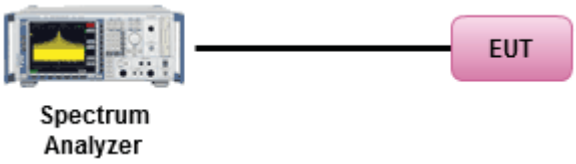
3.4.2 Measuring Instruments

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

3.4.3 Test Procedures

Test Method
▪ Peak power spectral density procedures that the same method as used to determine the conducted output power. If maximum peak conducted output power was measured to demonstrate compliance to the output power limit, then the peak PSD procedure below (Method PKPSD) shall be used. If maximum conducted output power was measured to demonstrate compliance to the output power limit, then one of the average PSD procedures shall be used, as applicable based on the following criteria (the peak PSD procedure is also an acceptable option).
☒ Refer as 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

Power Spectral Density


3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

3.5 Emissions in Non-restricted Frequency Bands

3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	**Limit (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.	

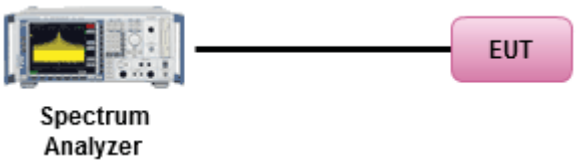
3.5.2 Measuring Instruments

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

Emissions in Non-restricted Frequency Bands


3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

3.6 Emissions in Restricted Frequency Bands

3.6.1 Emissions in Restricted Frequency Bands Limit

Restricted Band Emissions Limit			
Frequency Range (MHz)	**Field Strength (uV/m)**	**Field Strength (dBuV/m)**	**Measure Distance (m)**
0.009~0.490	2400/F(kHz)	48.5 - 13.8	300
0.490~1.705	24000/F(kHz)	33.8 - 23	30
1.705~30.0	30	29	30
30~88	100	40	3
88~216	150	43.5	3
216~960	200	46	3
Above 960	500	54	3

Note 1: Test distance for frequencies at or above 30 MHz, measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

Note 2: Test distance for frequencies at below 30 MHz, measurements may be performed at a distance closer than the EUT limit distance; however, an attempt should be made to avoid making measurements in the near field. When performing measurements below 30 MHz at a closer distance than the limit distance, the results shall be extrapolated to the specified distance by either making measurements at a minimum of two or more distances on at least one radial to determine the proper extrapolation factor or by using the square of an inverse linear distance extrapolation factor (40 dB/decade). The test report shall specify the extrapolation method used to determine compliance of the EUT.

Note 3: Using the distance of 1m during the test for above 18 GHz, and the test value to correct for the distance factor at 3m.

3.6.2 Measuring Instruments

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

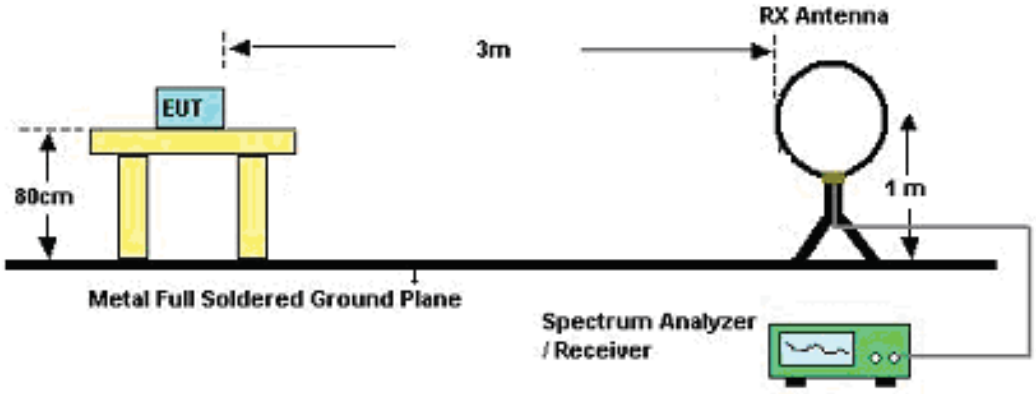
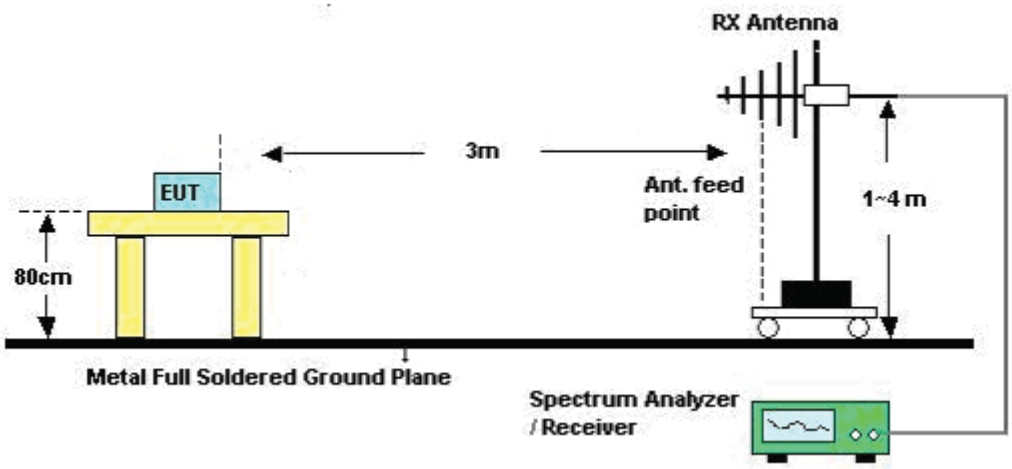
3.6.3 Test Procedures

Test Method	
▪	The average emission levels shall be measured in [duty cycle ≥ 98 or duty factor].
▪	Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.
▪	For the transmitter unwanted emissions shall be measured using following options below:
	▪ Refer as 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 ≥ 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.

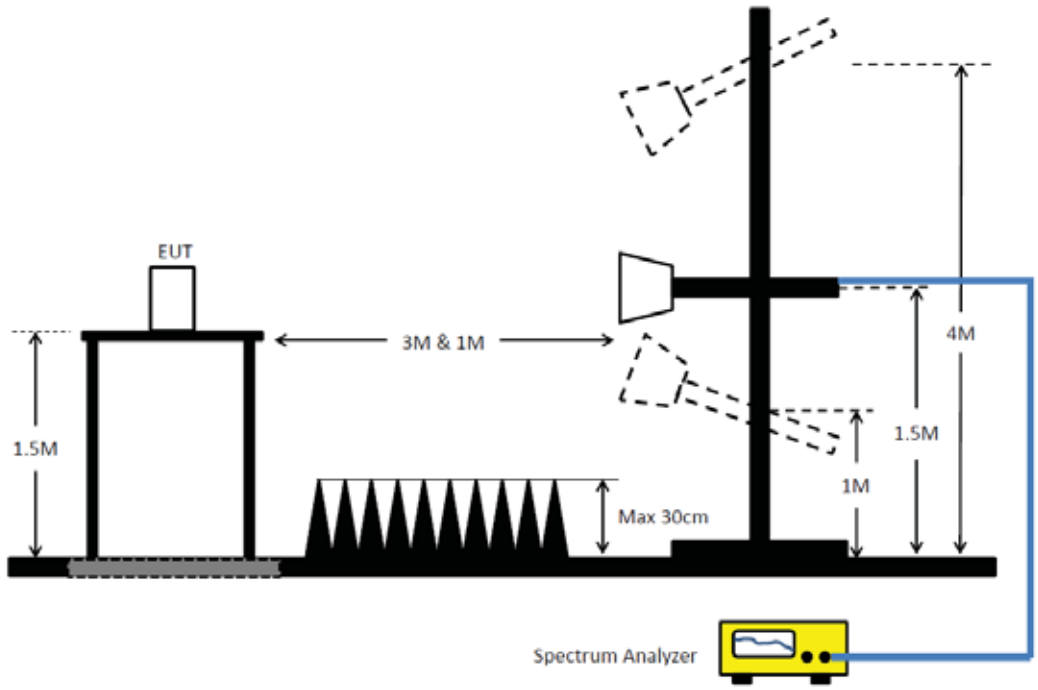
3.6.4 Measurement Results Calculation

The measured Level is calculated using:
Corrected Reading: Raw(Read Level) + AF(Antenna Factor) + CL(Cable Loss) - PA(Preamp Factor)

3.6.5 Test Setup

Emissions in Restricted Frequency Bands
9kHz ~30MHz

30MHz~1GHz


Above 1GHz



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

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

3.6.7 Test Result of Emissions in Restricted Frequency Bands

Refer as Appendix F

4 Test Equipment and Calibration Data

Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR	102051	9kHz ~ 3.6GHz	13/May/2022	12/May/2023
Two-Line V-Network	R&S	ENV 216	100003	9kHz ~ 30MHz	18/Feb/2022	17/Feb/2023
RF Cable 5m	TITAN	TITAN	CO04-cable-01	9 kHz~200MHz	01/Mar/2022	28/Feb/2023
Impuls Begrenzer Pulse Limiter	SCHWARZBECK	VTSD 9561-F	9561-F041	9kHz ~ 30MHz	25/Oct/2022	24/Oct/2023
Software	Sporton	SENSE-EMI	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101515	10Hz~40GHz	14/Feb/2022	13/Feb/2023
Signal Analyzer	R&S	FSV 40	101029	10Hz~40GHz	10/Nov/2022	09/Nov/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2022	20/Oct/2023
Pulse Sensor	Anritsu	MA2411B	1339407	300MHz~40GHz	14/Dec/2022	13/Dec/2023
Power Meter	Anritsu	ML2495A	1517010	300MHz~40GHz	14/Dec/2022	13/Dec/2023
SENSE-15247_DTS	Sporton	V5.11	N/A	N/A	N/A	N/A

Instrument for Radiated Test (03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	30MHz~1GHz 3m	25/Mar/2022	24/Mar/2023
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Amplifier	EMC	EMC9135	980232	9kHz~1GHz	08/Apr/2022	07/Apr/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Bilog Antenna & 5dB Attenuator	TESEQ & MTJ	CBL6111D&MT J6102-05	35418 & 3	30MHz~1GHz	28/Aug/2022	27/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1531	1GHz~18GHz	27/Dec/2021	26/Dec/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1534	1GHz~18GHz	10/Mar/2022	09/Mar/2023
RF Cable-low	Jye Bao	RG142	03CH09-cable-01	9kHz~1GHz	09/Dec/2022	08/Dec/2023
RF CABLE 5m+3m+1m	HUBER+SUHNE R	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	02/Nov/2022	01/Nov/2023
SENSE-15247-DTS	Sporton	NA	5.10.8.9	NA	NA	NA

Instrument for Radiated Test (03CH02-HY)

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	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	20/Dec/2022	19/Dec/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	TESEQ	HLA 6120	31244	9kHz~30MHz	18/Mar/2022	17/Mar/2023
EMI Test Receiver	R&S	ESR3	102052	9kHz~3.6GHz	30/May/2022	29/May/2023
SENSE-15247_DTS	Sporton	V5.11	N/A	N/A	N/A	N/A

Instrument for Radiated Test (Co-location_03CH09-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	TDK	SAC-3M	03CH09-HY	1GHz~18GHz 3m	17/Mar/2022	16/Mar/2023
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200885	10Hz~44GHz	11/Aug/2022	10/Aug/2023
Microwave Preamplifier	Agilent	8449B	3008A02096	1GHz~26.5GHz	22/Jul/2022	21/Jul/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	BBHA 9120 D 1534	1GHz~18GHz	10/Mar/2022	09/Mar/2023
RF CABLE 5m+3m+1m	HUBER+SUHNER	SUCOFLEX104	03CH09-cable-02	1GHz~40GHz	17/Aug/2022	16/Aug/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	18GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	5.10.7.15	NA	NA	NA

Instrument for Radiated Test (Co-location_03CH02-HY)

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP 40	100305	9kHz~40GHz	21/Mar/2022	20/Mar/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	02/Nov/2022	01/Nov/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	03CH02-cable-01	1GHz~40GHz	10/Feb/2023	09/Feb/2024
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Premplifier	EMC INSTRUMENTS	EM18G40G	060604	18GHz~40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	NA	5.10.7.15	NA	NA	NA

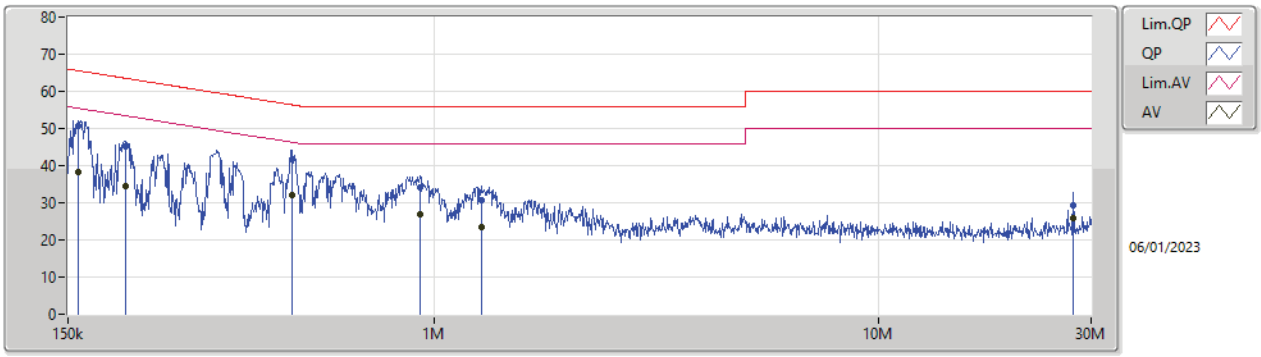
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	161.175k	51.21	65.41	-14.20	Neutral

Result

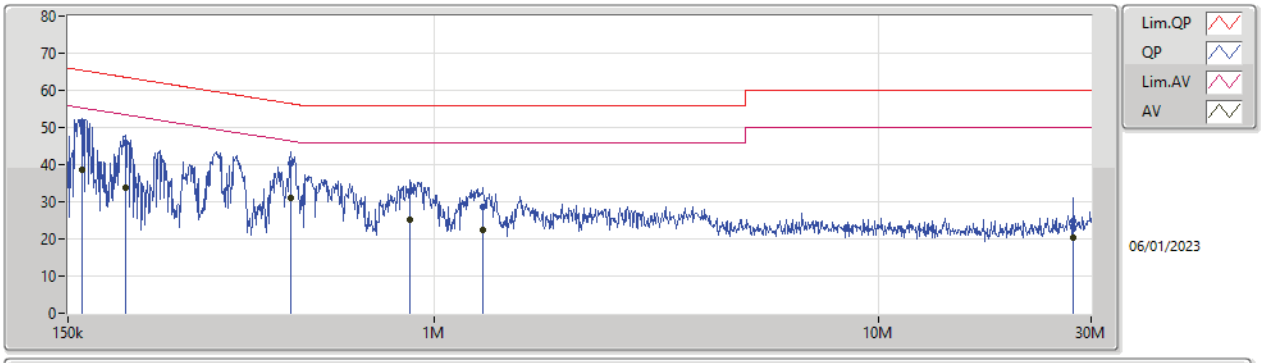
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	158.622k	50.65	65.54	-14.89	Line	-
Mode 1	Pass	AV	158.622k	38.42	55.54	-17.12	Line	-
Mode 1	Pass	QP	202.358k	45.12	63.51	-18.39	Line	-
Mode 1	Pass	AV	202.358k	34.64	53.51	-18.87	Line	-
Mode 1	Pass	QP	477.384k	41.67	56.38	-14.71	Line	-
Mode 1	Pass	AV	477.384k	32.00	46.38	-14.38	Line	-
Mode 1	Pass	QP	926.114k	34.19	56.00	-21.81	Line	-
Mode 1	Pass	AV	926.114k	27.00	46.00	-19.00	Line	-
Mode 1	Pass	QP	1.275M	30.78	56.00	-25.22	Line	-
Mode 1	Pass	AV	1.275M	23.37	46.00	-22.63	Line	-
Mode 1	Pass	QP	27.343M	29.34	60.00	-30.66	Line	-
Mode 1	Pass	AV	27.343M	26.02	50.00	-23.98	Line	-
Mode 1	Pass	QP	161.175k	51.21	65.41	-14.20	Neutral	-
Mode 1	Pass	AV	161.175k	38.77	55.41	-16.64	Neutral	-
Mode 1	Pass	QP	201.551k	45.93	63.55	-17.62	Neutral	-
Mode 1	Pass	AV	201.551k	33.78	53.55	-19.77	Neutral	-
Mode 1	Pass	QP	475.482k	40.30	56.42	-16.12	Neutral	-
Mode 1	Pass	AV	475.482k	30.96	46.42	-15.46	Neutral	-
Mode 1	Pass	QP	879.278k	32.65	56.00	-23.35	Neutral	-
Mode 1	Pass	AV	879.278k	25.14	46.00	-20.86	Neutral	-
Mode 1	Pass	QP	1.29M	28.70	56.00	-27.30	Neutral	-
Mode 1	Pass	AV	1.29M	22.36	46.00	-23.64	Neutral	-
Mode 1	Pass	QP	27.343M	24.77	60.00	-35.23	Neutral	-
Mode 1	Pass	AV	27.343M	20.19	50.00	-29.81	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	158.622k	50.65	65.54	-14.89	19.65	Line	-	31.00	9.69	0.03	9.93
AV	158.622k	38.42	55.54	-17.12	19.65	Line	-	18.77	9.69	0.03	9.93
QP	202.358k	45.12	63.51	-18.39	19.65	Line	-	25.47	9.69	0.03	9.93
AV	202.358k	34.64	53.51	-18.87	19.65	Line	-	14.99	9.69	0.03	9.93
QP	477.384k	41.67	56.38	-14.71	19.68	Line	-	21.99	9.68	0.04	9.96
AV	477.384k	32.00	46.38	-14.38	19.68	Line	-	12.32	9.68	0.04	9.96
QP	926.114k	34.19	56.00	-21.81	19.67	Line	-	14.52	9.68	0.05	9.94
AV	926.114k	27.00	46.00	-19.00	19.67	Line	-	7.33	9.68	0.05	9.94
QP	1.275M	30.78	56.00	-25.22	19.69	Line	-	11.09	9.69	0.06	9.94
AV	1.275M	23.37	46.00	-22.63	19.69	Line	-	3.68	9.69	0.06	9.94
QP	27.343M	29.34	60.00	-30.66	20.10	Line	-	9.24	9.81	0.32	9.97
AV	27.343M	26.02	50.00	-23.98	20.10	Line	-	5.92	9.81	0.32	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	161.175k	51.21	65.41	-14.20	19.69	Neutral	-	31.52	9.73	0.03	9.93
AV	161.175k	38.77	55.41	-16.64	19.69	Neutral	-	19.08	9.73	0.03	9.93
QP	201.551k	45.93	63.55	-17.62	19.68	Neutral	-	26.25	9.72	0.03	9.93
AV	201.551k	33.78	53.55	-19.77	19.68	Neutral	-	14.10	9.72	0.03	9.93
QP	475.482k	40.30	56.42	-16.12	19.72	Neutral	-	20.58	9.72	0.04	9.96
AV	475.482k	30.96	46.42	-15.46	19.72	Neutral	-	11.24	9.72	0.04	9.96
QP	879.278k	32.65	56.00	-23.35	19.72	Neutral	-	12.93	9.73	0.05	9.94
AV	879.278k	25.14	46.00	-20.86	19.72	Neutral	-	5.42	9.73	0.05	9.94
QP	1.29M	28.70	56.00	-27.30	19.73	Neutral	-	8.97	9.73	0.06	9.94
AV	1.29M	22.36	46.00	-23.64	19.73	Neutral	-	2.63	9.73	0.06	9.94
QP	27.343M	24.77	60.00	-35.23	20.40	Neutral	-	4.37	10.11	0.32	9.97
AV	27.343M	20.19	50.00	-29.81	20.40	Neutral	-	-0.21	10.11	0.32	9.97

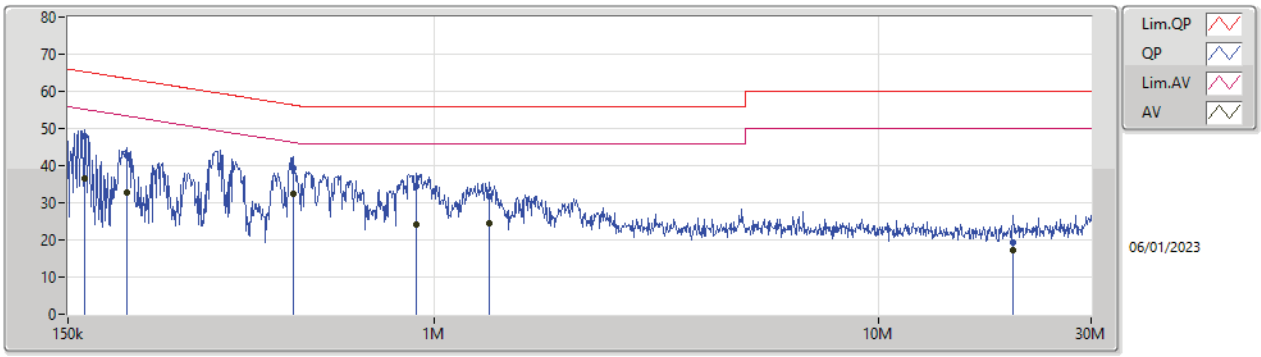
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	481.211k	32.28	46.33	-14.05	Line

Result

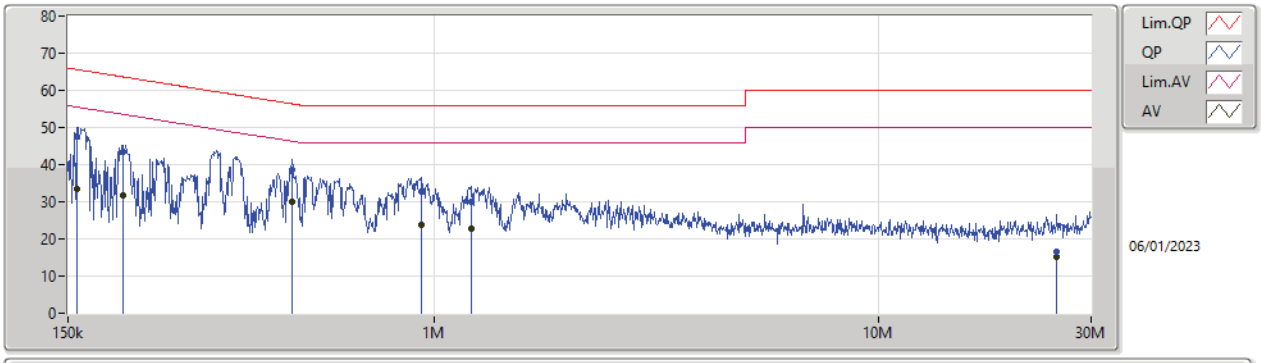
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.117k	48.06	65.31	-17.25	Line	-
Mode 1	Pass	AV	163.117k	36.38	55.31	-18.93	Line	-
Mode 1	Pass	QP	203.167k	42.63	63.48	-20.85	Line	-
Mode 1	Pass	AV	203.167k	32.60	53.48	-20.88	Line	-
Mode 1	Pass	QP	481.211k	39.24	56.33	-17.09	Line	-
Mode 1	Pass	AV	481.211k	32.28	46.33	-14.05	Line	-
Mode 1	Pass	QP	911.443k	34.32	56.00	-21.68	Line	-
Mode 1	Pass	AV	911.443k	24.19	46.00	-21.81	Line	-
Mode 1	Pass	QP	1.326M	31.80	56.00	-24.20	Line	-
Mode 1	Pass	AV	1.326M	24.47	46.00	-21.53	Line	-
Mode 1	Pass	QP	20.027M	19.27	60.00	-40.73	Line	-
Mode 1	Pass	AV	20.027M	17.38	50.00	-32.62	Line	-
Mode 1	Pass	QP	156.734k	47.61	65.64	-18.03	Neutral	-
Mode 1	Pass	AV	156.734k	33.45	55.64	-22.19	Neutral	-
Mode 1	Pass	QP	199.152k	43.53	63.65	-20.12	Neutral	-
Mode 1	Pass	AV	199.152k	31.69	53.65	-21.96	Neutral	-
Mode 1	Pass	QP	477.384k	38.62	56.38	-17.76	Neutral	-
Mode 1	Pass	AV	477.384k	30.08	46.38	-16.30	Neutral	-
Mode 1	Pass	QP	933.537k	32.83	56.00	-23.17	Neutral	-
Mode 1	Pass	AV	933.537k	23.83	46.00	-22.17	Neutral	-
Mode 1	Pass	QP	1.21M	29.97	56.00	-26.03	Neutral	-
Mode 1	Pass	AV	1.21M	22.91	46.00	-23.09	Neutral	-
Mode 1	Pass	QP	25.145M	16.72	60.00	-43.28	Neutral	-
Mode 1	Pass	AV	25.145M	15.26	50.00	-34.74	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.117k	48.06	65.31	-17.25	19.65	Line	-	28.41	9.69	0.03	9.93
AV	163.117k	36.38	55.31	-18.93	19.65	Line	-	16.73	9.69	0.03	9.93
QP	203.167k	42.63	63.48	-20.85	19.65	Line	-	22.98	9.69	0.03	9.93
AV	203.167k	32.60	53.48	-20.88	19.65	Line	-	12.95	9.69	0.03	9.93
QP	481.211k	39.24	56.33	-17.09	19.68	Line	-	19.56	9.68	0.04	9.96
AV	481.211k	32.28	46.33	-14.05	19.68	Line	-	12.60	9.68	0.04	9.96
QP	911.443k	34.32	56.00	-21.68	19.67	Line	-	14.65	9.68	0.05	9.94
AV	911.443k	24.19	46.00	-21.81	19.67	Line	-	4.52	9.68	0.05	9.94
QP	1.326M	31.80	56.00	-24.20	19.69	Line	-	12.11	9.69	0.06	9.94
AV	1.326M	24.47	46.00	-21.53	19.69	Line	-	4.78	9.69	0.06	9.94
QP	20.027M	19.27	60.00	-40.73	20.03	Line	-	-0.76	9.79	0.27	9.97
AV	20.027M	17.38	50.00	-32.62	20.03	Line	-	-2.65	9.79	0.27	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	156.734k	47.61	65.64	-18.03	19.69	Neutral	-	27.92	9.73	0.03	9.93
AV	156.734k	33.45	55.64	-22.19	19.69	Neutral	-	13.76	9.73	0.03	9.93
QP	199.152k	43.53	63.65	-20.12	19.68	Neutral	-	23.85	9.72	0.03	9.93
AV	199.152k	31.69	53.65	-21.96	19.68	Neutral	-	12.01	9.72	0.03	9.93
QP	477.384k	38.62	56.38	-17.76	19.72	Neutral	-	18.90	9.72	0.04	9.96
AV	477.384k	30.08	46.38	-16.30	19.72	Neutral	-	10.36	9.72	0.04	9.96
QP	933.537k	32.83	56.00	-23.17	19.72	Neutral	-	13.11	9.73	0.05	9.94
AV	933.537k	23.83	46.00	-22.17	19.72	Neutral	-	4.11	9.73	0.05	9.94
QP	1.21M	29.97	56.00	-26.03	19.73	Neutral	-	10.24	9.73	0.06	9.94
AV	1.21M	22.91	46.00	-23.09	19.73	Neutral	-	3.18	9.73	0.06	9.94
QP	25.145M	16.72	60.00	-43.28	20.35	Neutral	-	-3.63	10.07	0.31	9.97
AV	25.145M	15.26	50.00	-34.74	20.35	Neutral	-	-5.09	10.07	0.31	9.97

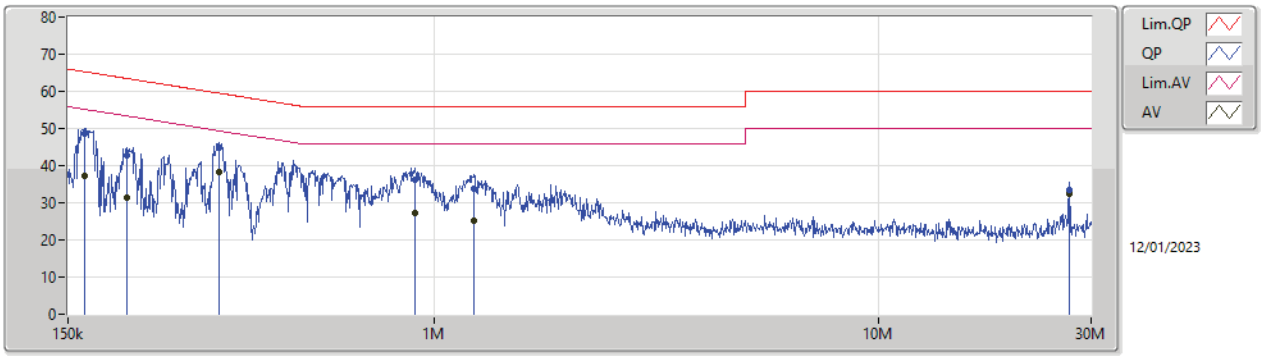
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	328.019k	38.12	49.50	-11.38	Line

Result

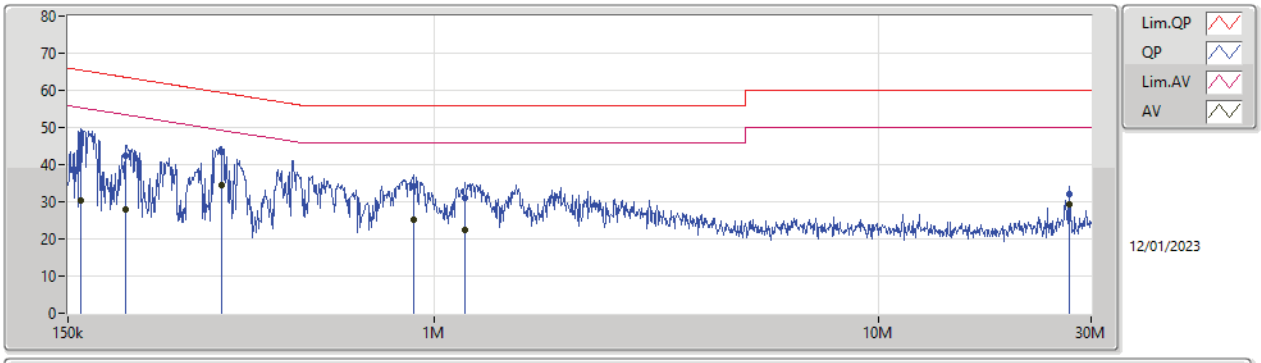
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.769k	48.72	65.27	-16.55	Line	-
Mode 1	Pass	AV	163.769k	37.32	55.27	-17.95	Line	-
Mode 1	Pass	QP	203.167k	42.81	63.48	-20.67	Line	-
Mode 1	Pass	AV	203.167k	31.49	53.48	-21.99	Line	-
Mode 1	Pass	QP	328.019k	44.93	59.50	-14.57	Line	-
Mode 1	Pass	AV	328.019k	38.12	49.50	-11.38	Line	-
Mode 1	Pass	QP	904.195k	36.17	56.00	-19.83	Line	-
Mode 1	Pass	AV	904.195k	27.31	46.00	-18.69	Line	-
Mode 1	Pass	QP	1.23M	33.85	56.00	-22.15	Line	-
Mode 1	Pass	AV	1.23M	25.25	46.00	-20.75	Line	-
Mode 1	Pass	QP	26.803M	33.28	60.00	-26.72	Line	-
Mode 1	Pass	AV	26.803M	32.52	50.00	-17.48	Line	-
Mode 1	Pass	QP	159.893k	46.71	65.46	-18.75	Neutral	-
Mode 1	Pass	AV	159.893k	30.39	55.46	-25.07	Neutral	-
Mode 1	Pass	QP	201.551k	42.29	63.55	-21.26	Neutral	-
Mode 1	Pass	AV	201.551k	27.98	53.55	-25.57	Neutral	-
Mode 1	Pass	QP	333.299k	43.53	59.37	-15.84	Neutral	-
Mode 1	Pass	AV	333.299k	34.52	49.37	-14.85	Neutral	-
Mode 1	Pass	QP	897.004k	34.14	56.00	-21.86	Neutral	-
Mode 1	Pass	AV	897.004k	25.32	46.00	-20.68	Neutral	-
Mode 1	Pass	QP	1.172M	30.90	56.00	-25.10	Neutral	-
Mode 1	Pass	AV	1.172M	22.25	46.00	-23.75	Neutral	-
Mode 1	Pass	QP	26.803M	32.12	60.00	-27.88	Neutral	-
Mode 1	Pass	AV	26.803M	29.30	50.00	-20.70	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	163.769k	48.72	65.27	-16.55	19.65	Line	-	29.07	9.69	0.03	9.93
AV	163.769k	37.32	55.27	-17.95	19.65	Line	-	17.67	9.69	0.03	9.93
QP	203.167k	42.81	63.48	-20.67	19.65	Line	-	23.16	9.69	0.03	9.93
AV	203.167k	31.49	53.48	-21.99	19.65	Line	-	11.84	9.69	0.03	9.93
QP	328.019k	44.93	59.50	-14.57	19.67	Line	-	25.26	9.68	0.04	9.95
AV	328.019k	38.12	49.50	-11.38	19.67	Line	-	18.45	9.68	0.04	9.95
QP	904.195k	36.17	56.00	-19.83	19.67	Line	-	16.50	9.68	0.05	9.94
AV	904.195k	27.31	46.00	-18.69	19.67	Line	-	7.64	9.68	0.05	9.94
QP	1.23M	33.85	56.00	-22.15	19.69	Line	-	14.16	9.69	0.06	9.94
AV	1.23M	25.25	46.00	-20.75	19.69	Line	-	5.56	9.69	0.06	9.94
QP	26.803M	33.28	60.00	-26.72	20.09	Line	-	13.19	9.80	0.32	9.97
AV	26.803M	32.52	50.00	-17.48	20.09	Line	-	12.43	9.80	0.32	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	159.893k	46.71	65.46	-18.75	19.69	Neutral	-	27.02	9.73	0.03	9.93
AV	159.893k	30.39	55.46	-25.07	19.69	Neutral	-	10.70	9.73	0.03	9.93
QP	201.551k	42.29	63.55	-21.26	19.68	Neutral	-	22.61	9.72	0.03	9.93
AV	201.551k	27.98	53.55	-25.57	19.68	Neutral	-	8.30	9.72	0.03	9.93
QP	333.299k	43.53	59.37	-15.84	19.71	Neutral	-	23.82	9.72	0.04	9.95
AV	333.299k	34.52	49.37	-14.85	19.71	Neutral	-	14.81	9.72	0.04	9.95
QP	897.004k	34.14	56.00	-21.86	19.72	Neutral	-	14.42	9.73	0.05	9.94
AV	897.004k	25.32	46.00	-20.68	19.72	Neutral	-	5.60	9.73	0.05	9.94
QP	1.172M	30.90	56.00	-25.10	19.73	Neutral	-	11.17	9.73	0.06	9.94
AV	1.172M	22.25	46.00	-23.75	19.73	Neutral	-	2.52	9.73	0.06	9.94
QP	26.803M	32.12	60.00	-27.88	20.39	Neutral	-	11.73	10.10	0.32	9.97
AV	26.803M	29.30	50.00	-20.70	20.39	Neutral	-	8.91	10.10	0.32	9.97

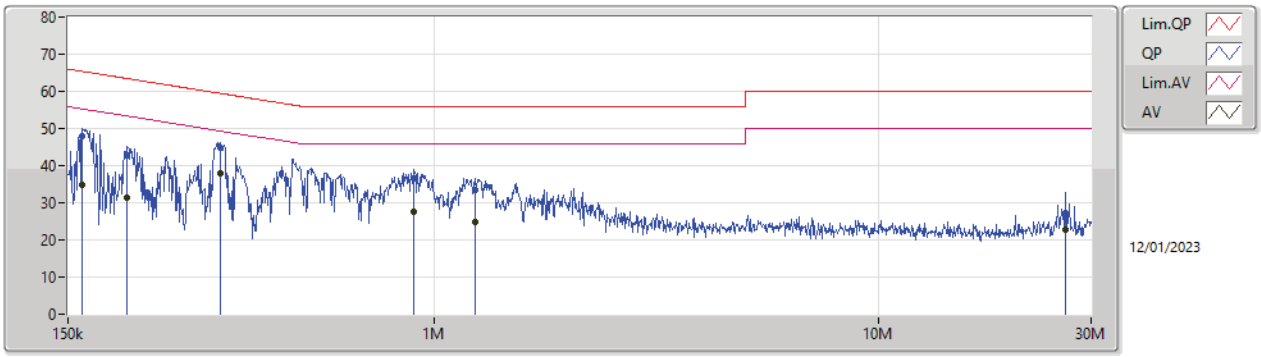
Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	AV	329.331k	38.04	49.46	-11.42	Line

Result

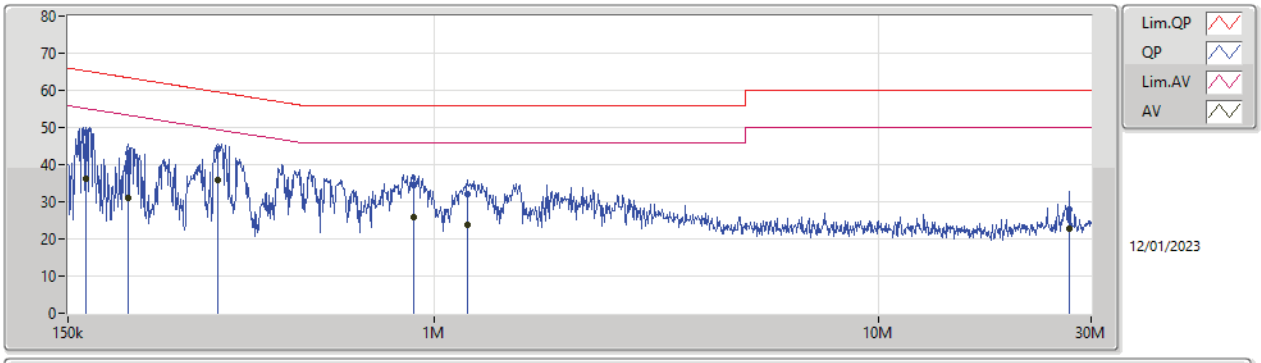
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	161.82k	47.93	65.37	-17.44	Line	-
Mode 1	Pass	AV	161.82k	34.73	55.37	-20.64	Line	-
Mode 1	Pass	QP	203.98k	42.64	63.44	-20.80	Line	-
Mode 1	Pass	AV	203.98k	31.45	53.44	-21.99	Line	-
Mode 1	Pass	QP	329.331k	44.72	59.46	-14.74	Line	-
Mode 1	Pass	AV	329.331k	38.04	49.46	-11.42	Line	-
Mode 1	Pass	QP	900.592k	36.38	56.00	-19.62	Line	-
Mode 1	Pass	AV	900.592k	27.43	46.00	-18.57	Line	-
Mode 1	Pass	QP	1.235M	33.45	56.00	-22.55	Line	-
Mode 1	Pass	AV	1.235M	24.86	46.00	-21.14	Line	-
Mode 1	Pass	QP	26.273M	27.15	60.00	-32.85	Line	-
Mode 1	Pass	AV	26.273M	22.81	50.00	-27.19	Line	-
Mode 1	Pass	QP	165.082k	48.63	65.20	-16.57	Neutral	-
Mode 1	Pass	AV	165.082k	36.31	55.20	-18.89	Neutral	-
Mode 1	Pass	QP	204.796k	42.95	63.42	-20.47	Neutral	-
Mode 1	Pass	AV	204.796k	30.97	53.42	-22.45	Neutral	-
Mode 1	Pass	QP	326.712k	44.22	59.54	-15.32	Neutral	-
Mode 1	Pass	AV	326.712k	36.01	49.54	-13.53	Neutral	-
Mode 1	Pass	QP	900.592k	34.56	56.00	-21.44	Neutral	-
Mode 1	Pass	AV	900.592k	25.72	46.00	-20.28	Neutral	-
Mode 1	Pass	QP	1.186M	31.91	56.00	-24.09	Neutral	-
Mode 1	Pass	AV	1.186M	23.90	46.00	-22.10	Neutral	-
Mode 1	Pass	QP	26.803M	28.03	60.00	-31.97	Neutral	-
Mode 1	Pass	AV	26.803M	22.90	50.00	-27.10	Neutral	-

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	161.82k	47.93	65.37	-17.44	19.65	Line	-	28.28	9.69	0.03	9.93
AV	161.82k	34.73	55.37	-20.64	19.65	Line	-	15.08	9.69	0.03	9.93
QP	203.98k	42.64	63.44	-20.80	19.65	Line	-	22.99	9.69	0.03	9.93
AV	203.98k	31.45	53.44	-21.99	19.65	Line	-	11.80	9.69	0.03	9.93
QP	329.331k	44.72	59.46	-14.74	19.67	Line	-	25.05	9.68	0.04	9.95
AV	329.331k	38.04	49.46	-11.42	19.67	Line	-	18.37	9.68	0.04	9.95
QP	900.592k	36.38	56.00	-19.62	19.67	Line	-	16.71	9.68	0.05	9.94
AV	900.592k	27.43	46.00	-18.57	19.67	Line	-	7.76	9.68	0.05	9.94
QP	1.235M	33.45	56.00	-22.55	19.69	Line	-	13.76	9.69	0.06	9.94
AV	1.235M	24.86	46.00	-21.14	19.69	Line	-	5.17	9.69	0.06	9.94
QP	26.273M	27.15	60.00	-32.85	20.09	Line	-	7.06	9.80	0.32	9.97
AV	26.273M	22.81	50.00	-27.19	20.09	Line	-	2.72	9.80	0.32	9.97

Conducted Emissions at Powerline_Mode 1



Type	Freq	Level	Limit	Margin	Factor	Condition	Comment	Raw	LISN	CL	AT
	(Hz)	(dBuV)	(dBuV)	(dB)	(dB)			(dBuV)	(dB)	(dB)	(dB)
QP	165.082k	48.63	65.20	-16.57	19.69	Neutral	-	28.94	9.73	0.03	9.93
AV	165.082k	36.31	55.20	-18.89	19.69	Neutral	-	16.62	9.73	0.03	9.93
QP	204.796k	42.95	63.42	-20.47	19.68	Neutral	-	23.27	9.72	0.03	9.93
AV	204.796k	30.97	53.42	-22.45	19.68	Neutral	-	11.29	9.72	0.03	9.93
QP	326.712k	44.22	59.54	-15.32	19.71	Neutral	-	24.51	9.72	0.04	9.95
AV	326.712k	36.01	49.54	-13.53	19.71	Neutral	-	16.30	9.72	0.04	9.95
QP	900.592k	34.56	56.00	-21.44	19.72	Neutral	-	14.84	9.73	0.05	9.94
AV	900.592k	25.72	46.00	-20.28	19.72	Neutral	-	6.00	9.73	0.05	9.94
QP	1.186M	31.91	56.00	-24.09	19.73	Neutral	-	12.18	9.73	0.06	9.94
AV	1.186M	23.90	46.00	-22.10	19.73	Neutral	-	4.17	9.73	0.06	9.94
QP	26.803M	28.03	60.00	-31.97	20.39	Neutral	-	7.64	10.10	0.32	9.97
AV	26.803M	22.90	50.00	-27.10	20.39	Neutral	-	2.51	10.10	0.32	9.97

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.025M	13.043M	13M0G1D	7.05M	12.789M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.294M	16M3D1D	13.75M	16.184M
802.11ax HEW20_Nss1,(MCS0)_2TX	14.925M	18.816M	18M8D1D	10.3M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.85M	37.681M	37M7D1D	30.15M	37.381M

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

Result

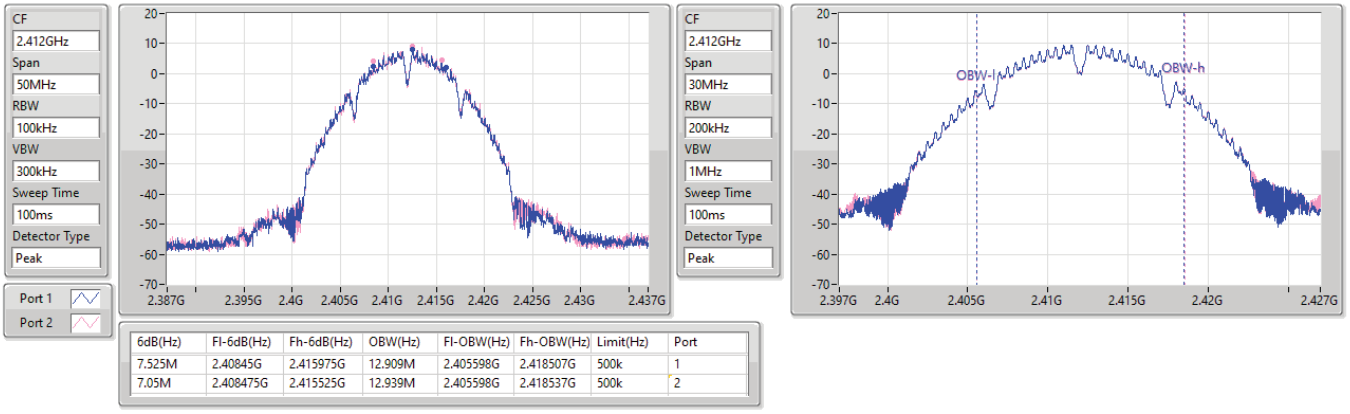
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	7.525M	12.909M	7.05M	12.939M
2437MHz	Pass	500k	7.1M	12.789M	7.05M	13.043M
2462MHz	Pass	500k	7.05M	12.834M	8.025M	12.879M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	14.975M	16.228M	13.75M	16.25M
2437MHz	Pass	500k	14.95M	16.184M	15M	16.294M
2462MHz	Pass	500k	15.05M	16.206M	15.075M	16.25M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	12.45M	18.791M	11.225M	18.791M
2437MHz	Pass	500k	13.75M	18.766M	10.3M	18.816M
2462MHz	Pass	500k	14.925M	18.791M	13.425M	18.766M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	30.15M	37.481M	33.7M	37.481M
2437MHz	Pass	500k	33.8M	37.381M	37.3M	37.631M
2452MHz	Pass	500k	37.85M	37.681M	35.05M	37.381M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

05/01/2023

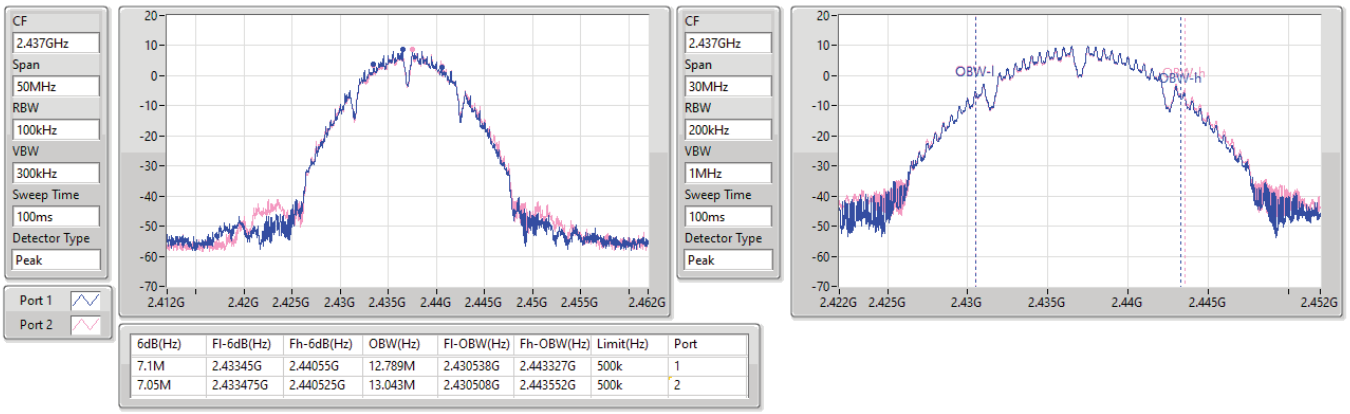


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.40845G	2.415975G	12.909M	2.405598G	2.418507G	500k	1
7.05M	2.408475G	2.415525G	12.939M	2.405598G	2.418537G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

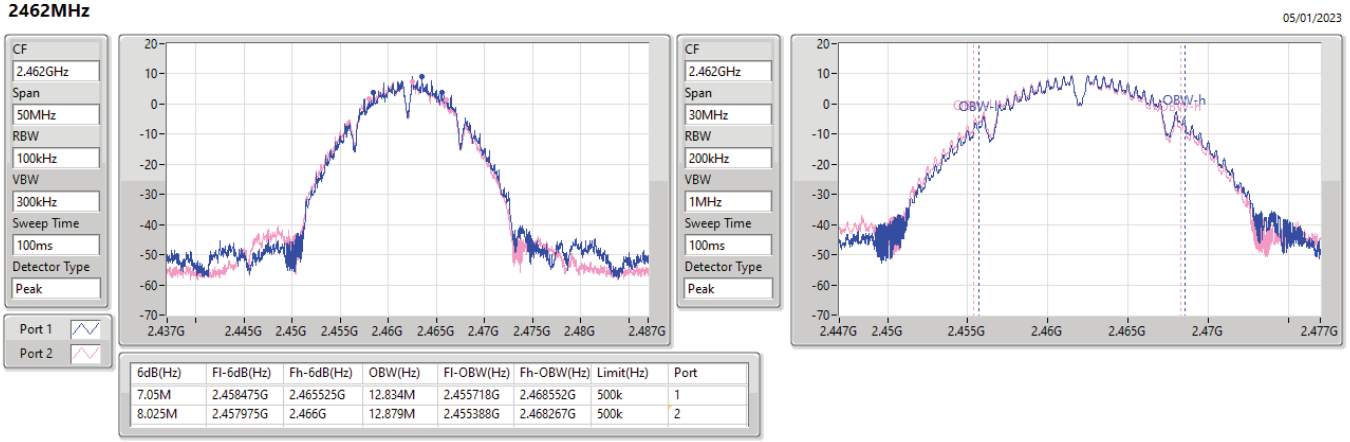
05/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.1M	2.43345G	2.44055G	12.789M	2.430538G	2.443327G	500k	1
7.05M	2.433475G	2.440525G	13.043M	2.430508G	2.443552G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

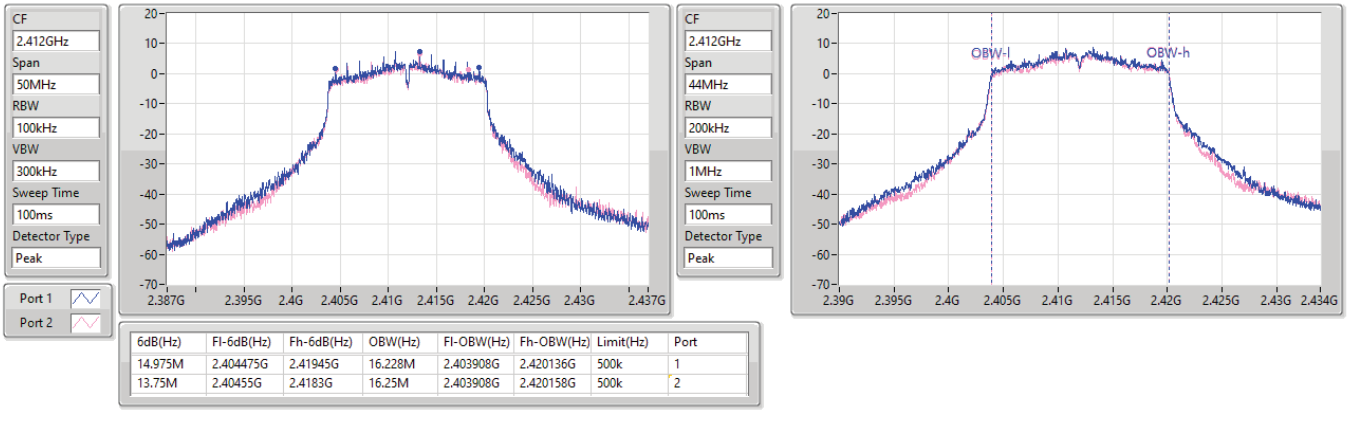
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	12.834M	2.455718G	2.468552G	500k	1
8.025M	2.457975G	2.466G	12.879M	2.455388G	2.468267G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

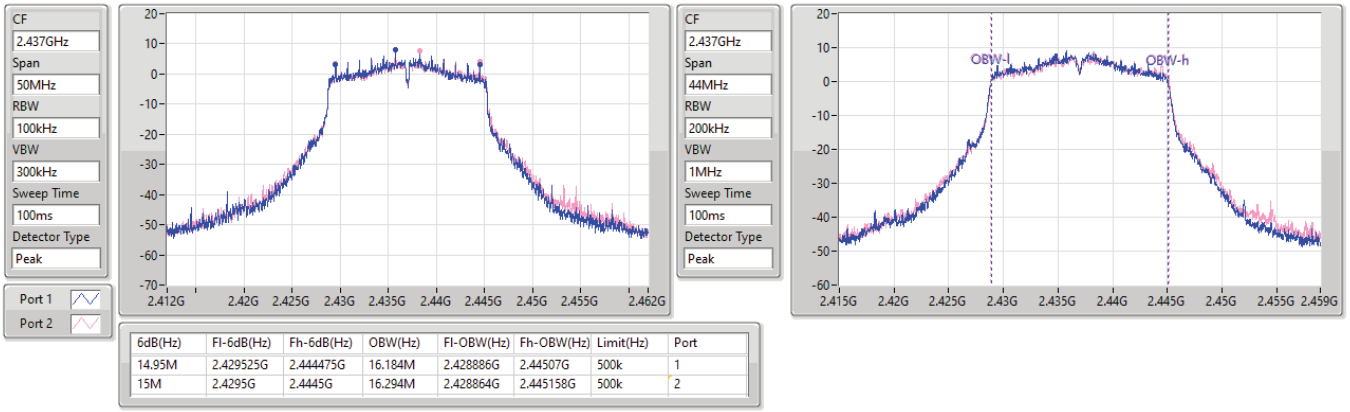


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.404475G	2.41945G	16.228M	2.403908G	2.420136G	500k	1
13.75M	2.40455G	2.4183G	16.25M	2.403908G	2.420158G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

05/01/2023

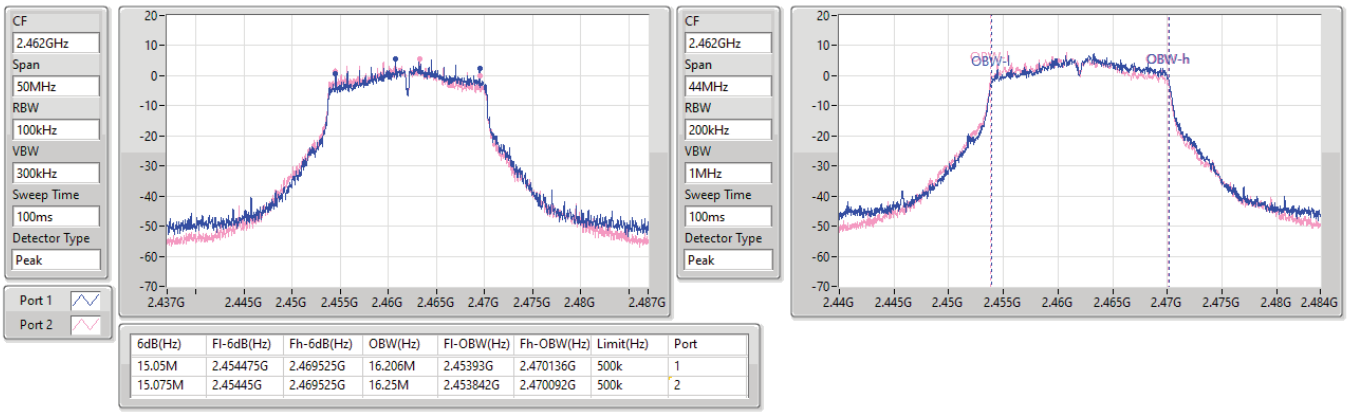


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.95M	2.429525G	2.444475G	16.184M	2.428886G	2.44507G	500k	1
15M	2.4295G	2.4445G	16.294M	2.428864G	2.445158G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

05/01/2023

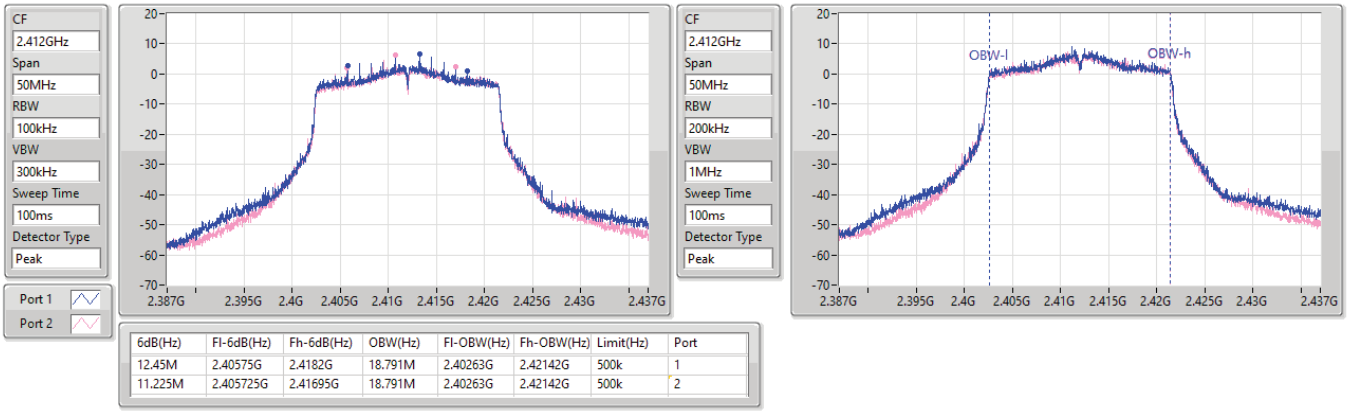


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.05M	2.454475G	2.469525G	16.206M	2.45393G	2.470136G	500k	1
15.075M	2.45445G	2.469525G	16.25M	2.453842G	2.470092G	500k	2

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

2412MHz

05/01/2023

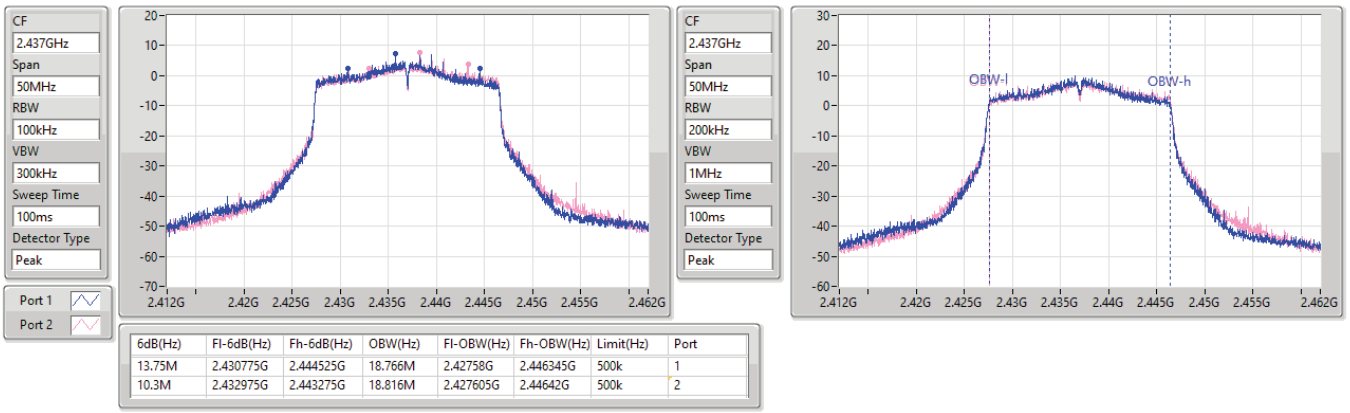


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
12.45M	2.40575G	2.4182G	18.791M	2.40263G	2.42142G	500k	1
11.225M	2.405725G	2.41695G	18.791M	2.40263G	2.42142G	500k	2

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

2437MHz

05/01/2023

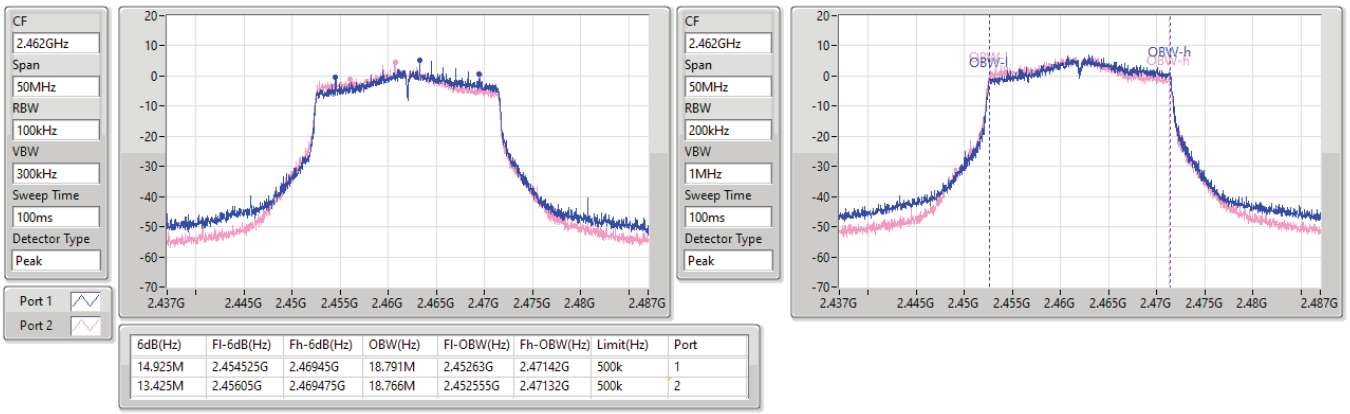


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.75M	2.430775G	2.444525G	18.766M	2.42758G	2.446345G	500k	1
10.3M	2.432975G	2.443275G	18.816M	2.427605G	2.44642G	500k	2

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

2462MHz

05/01/2023

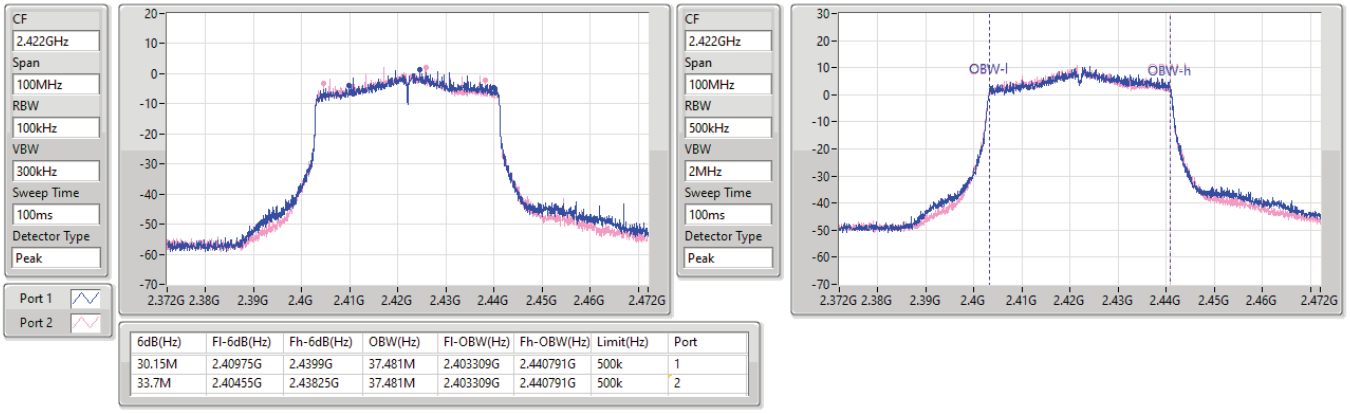


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.925M	2.454525G	2.46945G	18.791M	2.45263G	2.47142G	500k	1
13.425M	2.45605G	2.469475G	18.766M	2.452555G	2.47132G	500k	2

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

2422MHz

05/01/2023

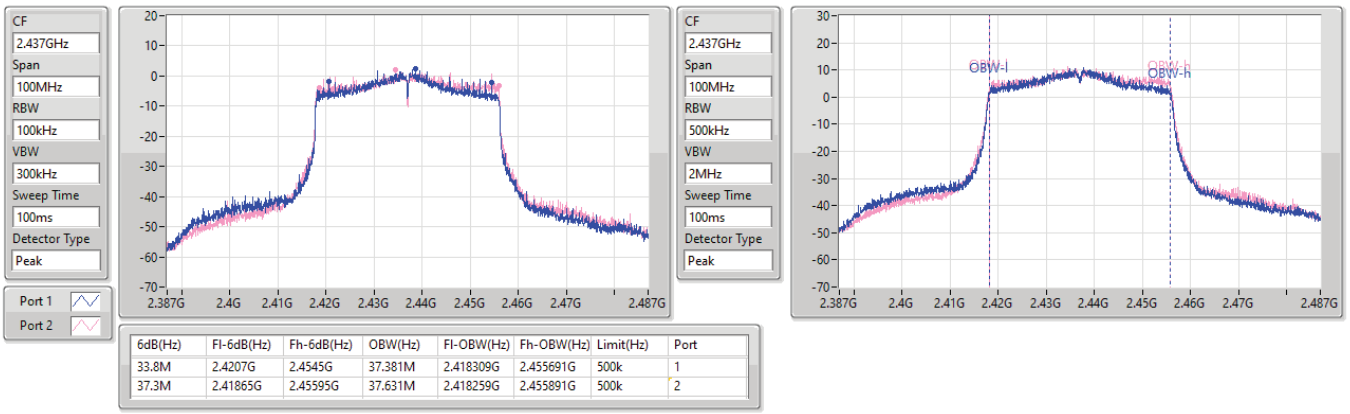


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
30.15M	2.40975G	2.4399G	37.481M	2.403309G	2.440791G	500k	1
33.7M	2.40455G	2.43825G	37.481M	2.403309G	2.440791G	500k	2

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

2437MHz

05/01/2023

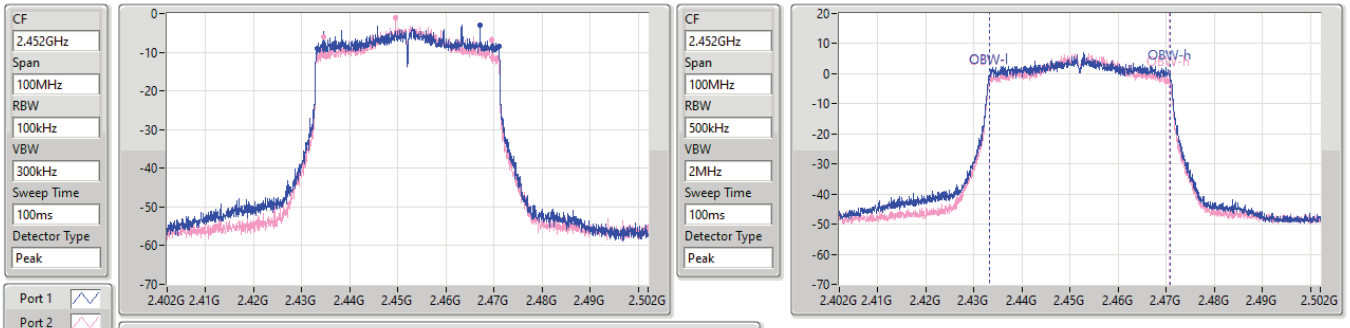


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.8M	2.4207G	2.4545G	37.381M	2.418309G	2.455691G	500k	1
37.3M	2.41865G	2.45595G	37.631M	2.418259G	2.455891G	500k	2

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

2452MHz

05/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.85M	2.4331G	2.47095G	37.681M	2.433109G	2.470791G	500k	1
35.05M	2.4345G	2.46955G	37.381M	2.433259G	2.470641G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.075M	13.148M	13M1G1D	7.575M	12.924M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.404M	16M4D1D	15.675M	16.294M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.775M	18.941M	18M9D1D	18.3M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.9M	37.781M	37M8D1D	36.3M	37.581M

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

Result

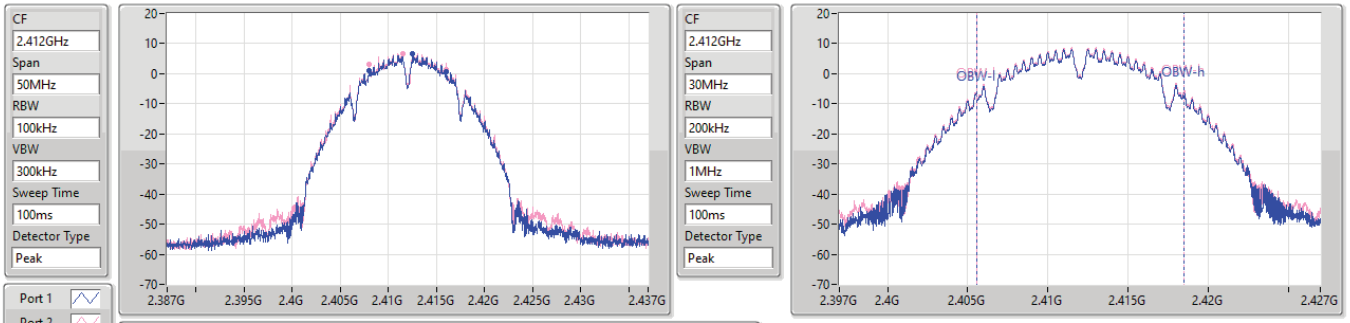
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	12.924M	8.05M	12.954M
2437MHz	Pass	500k	8.075M	13.133M	7.575M	13.148M
2462MHz	Pass	500k	8.05M	13.043M	8.025M	13.058M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.925M	16.294M	15.9M	16.338M
2437MHz	Pass	500k	16.275M	16.36M	16.3M	16.404M
2462MHz	Pass	500k	15.925M	16.316M	15.675M	16.36M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.425M	18.891M	18.35M	18.866M
2437MHz	Pass	500k	18.55M	18.916M	18.775M	18.941M
2462MHz	Pass	500k	18.3M	18.891M	18.5M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.35M	37.581M	36.3M	37.631M
2437MHz	Pass	500k	37.9M	37.731M	37.5M	37.781M
2452MHz	Pass	500k	37.5M	37.631M	36.95M	37.631M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

05/01/2023

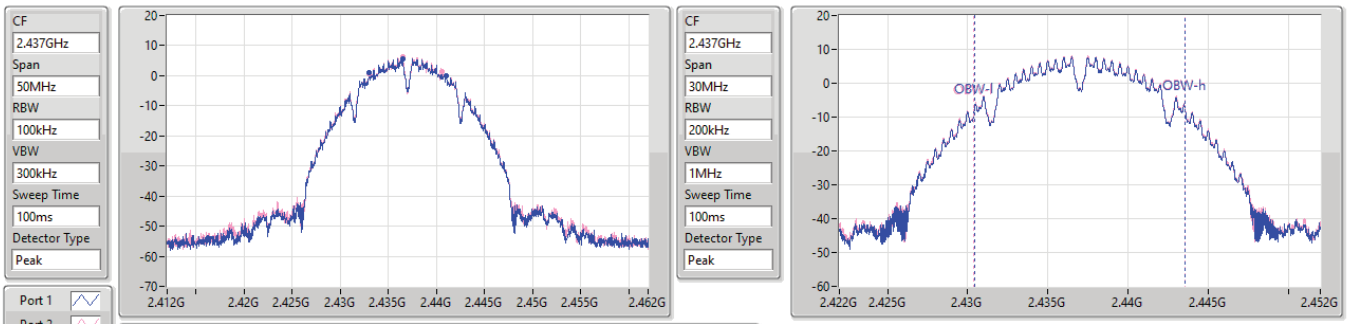


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.408G	2.416025G	12.924M	2.405568G	2.418492G	500k	1
8.05M	2.407975G	2.416025G	12.954M	2.405553G	2.418507G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

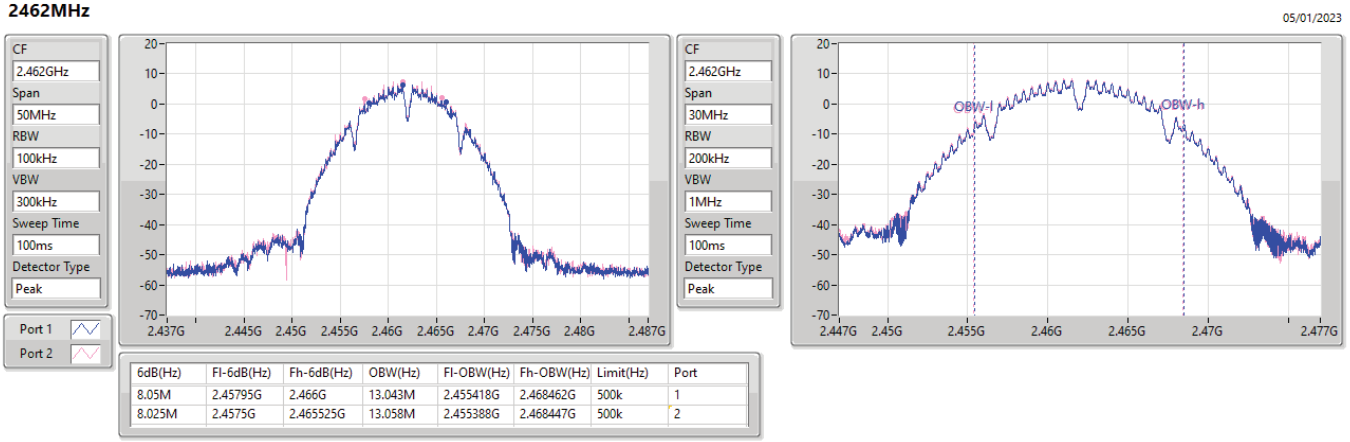
05/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.432975G	2.44105G	13.133M	2.430418G	2.443552G	500k	1
7.575M	2.432975G	2.44055G	13.148M	2.430403G	2.443552G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

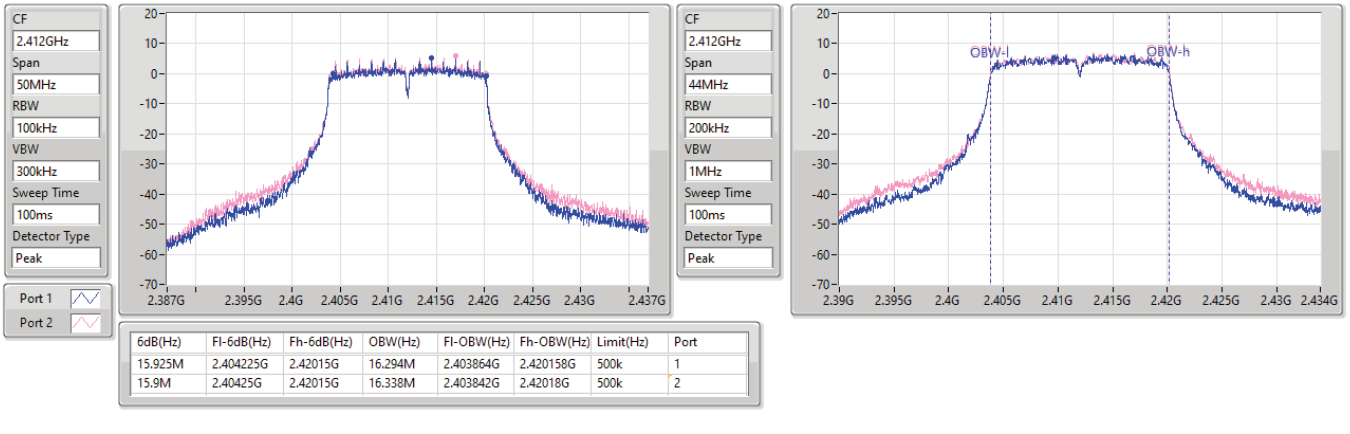
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.05M	2.45795G	2.466G	13.043M	2.455418G	2.468462G	500k	1
8.025M	2.4575G	2.465525G	13.058M	2.455388G	2.468447G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

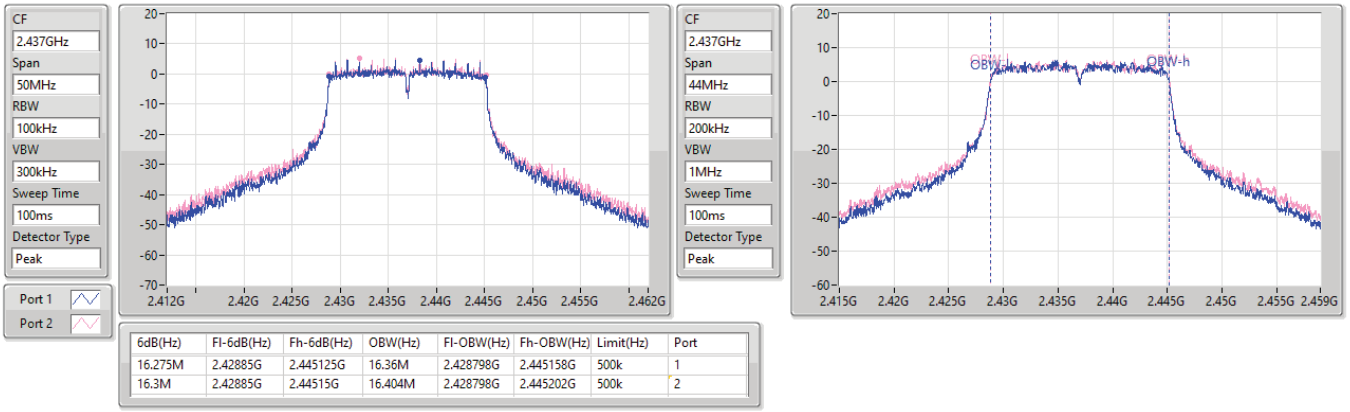


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.925M	2.404225G	2.42015G	16.294M	2.403864G	2.420158G	500k	1
15.9M	2.40425G	2.42015G	16.338M	2.403842G	2.42018G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

05/01/2023

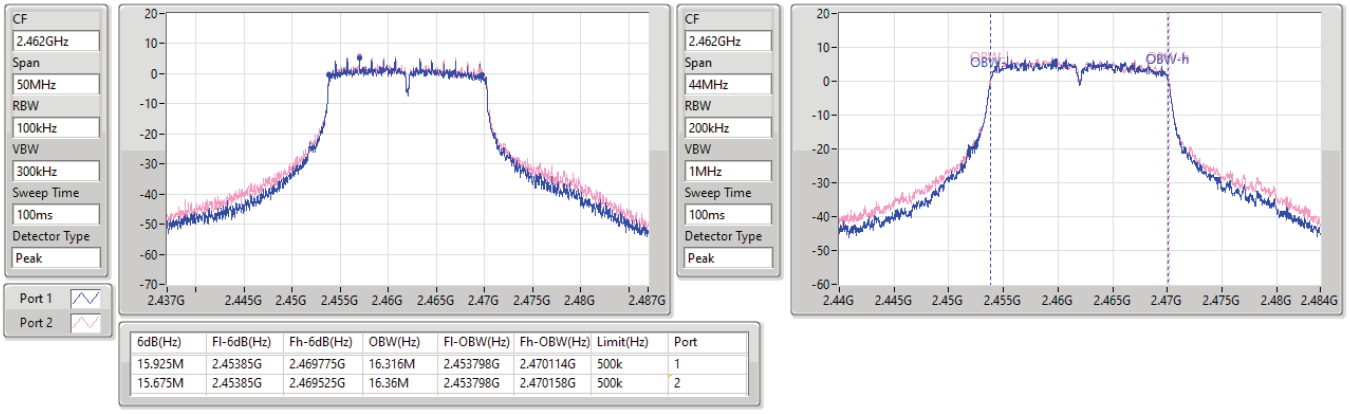


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.275M	2.42885G	2.445125G	16.36M	2.428798G	2.445158G	500k	1
16.3M	2.42885G	2.44515G	16.404M	2.428798G	2.445202G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

05/01/2023

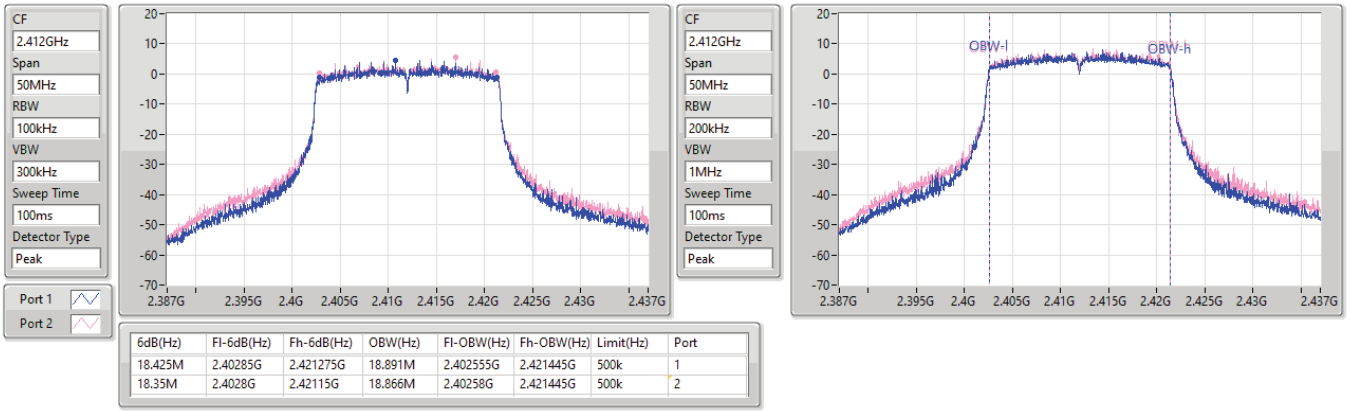


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.925M	2.45385G	2.469775G	16.316M	2.453798G	2.470114G	500k	1
15.675M	2.45385G	2.469525G	16.36M	2.453798G	2.470158G	500k	2

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

2412MHz

05/01/2023

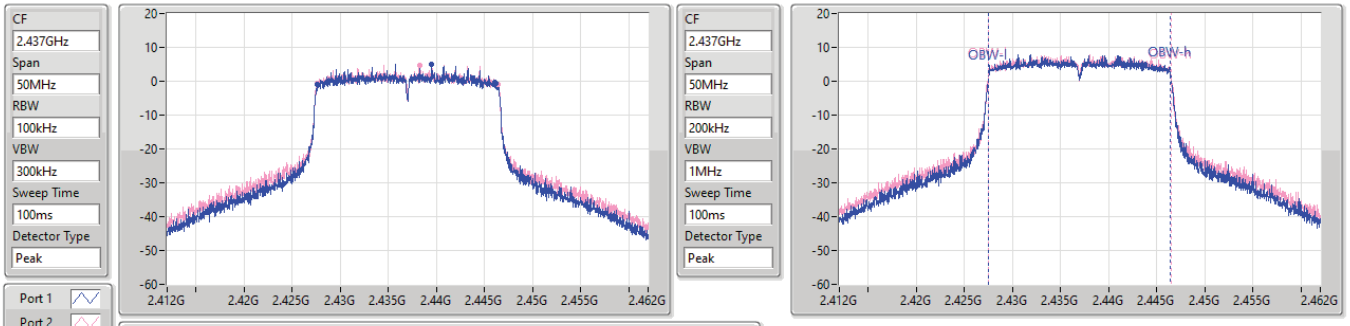


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.425M	2.40285G	2.421275G	18.891M	2.402555G	2.421445G	500k	1
18.35M	2.4028G	2.42115G	18.866M	2.40258G	2.421445G	500k	2

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

2437MHz

05/01/2023

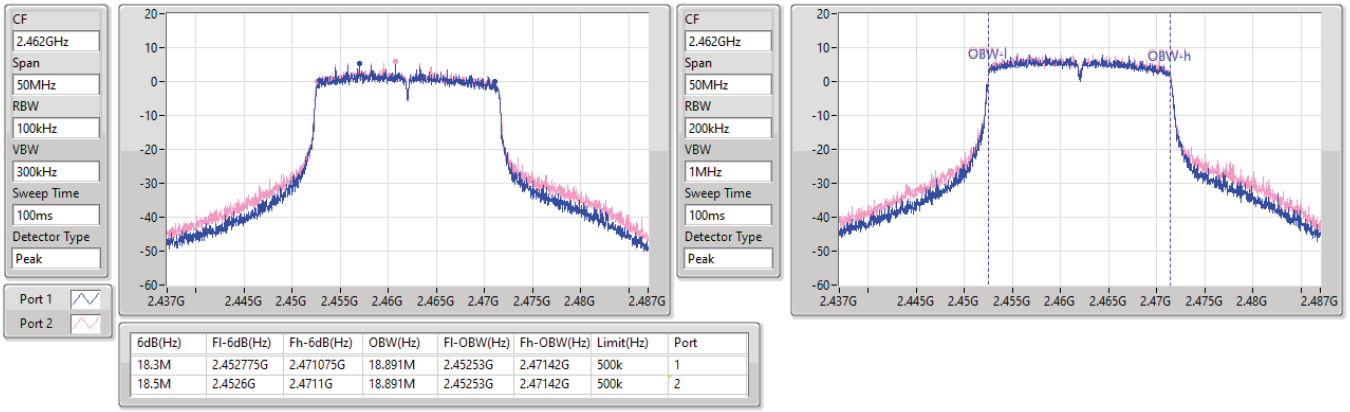


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.55M	2.42765G	2.4462G	18.916M	2.42753G	2.446445G	500k	1
18.775M	2.427575G	2.44635G	18.941M	2.42753G	2.44647G	500k	2

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

2462MHz

05/01/2023

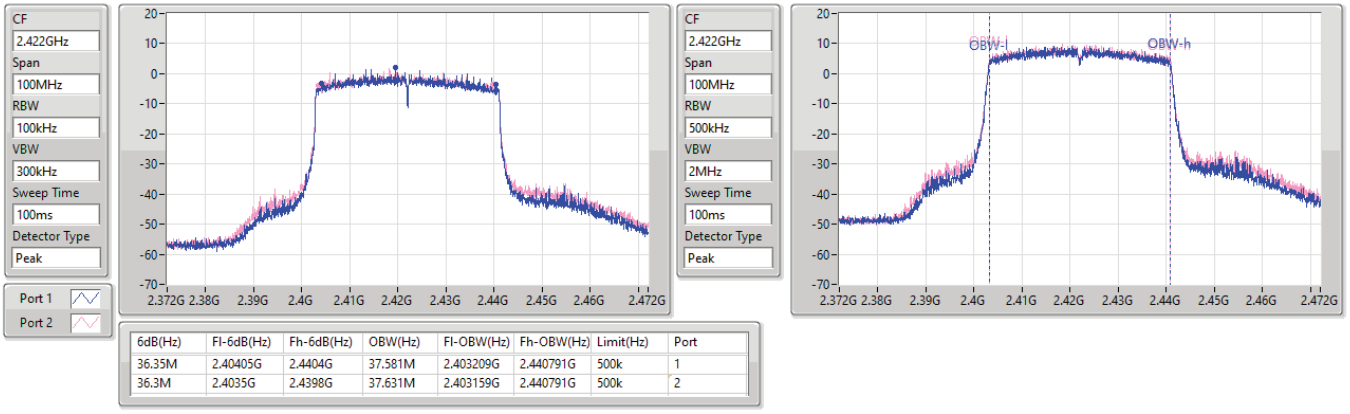


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.3M	2.452775G	2.471075G	18.891M	2.45253G	2.47142G	500k	1
18.5M	2.4526G	2.4711G	18.891M	2.45253G	2.47142G	500k	2

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

2422MHz

05/01/2023

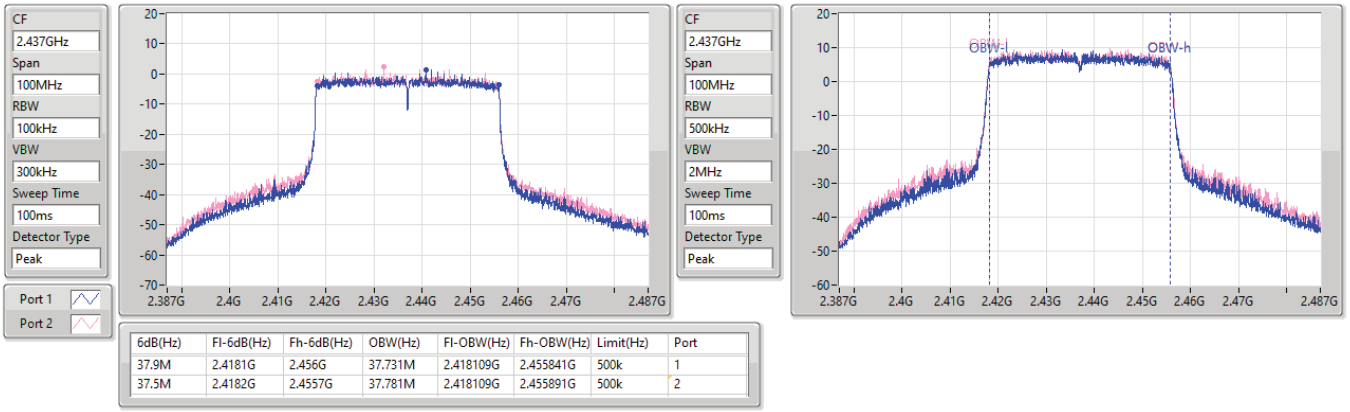


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.35M	2.40405G	2.4404G	37.581M	2.403209G	2.440791G	500k	1
36.3M	2.4035G	2.4398G	37.631M	2.403159G	2.440791G	500k	2

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

2437MHz

05/01/2023

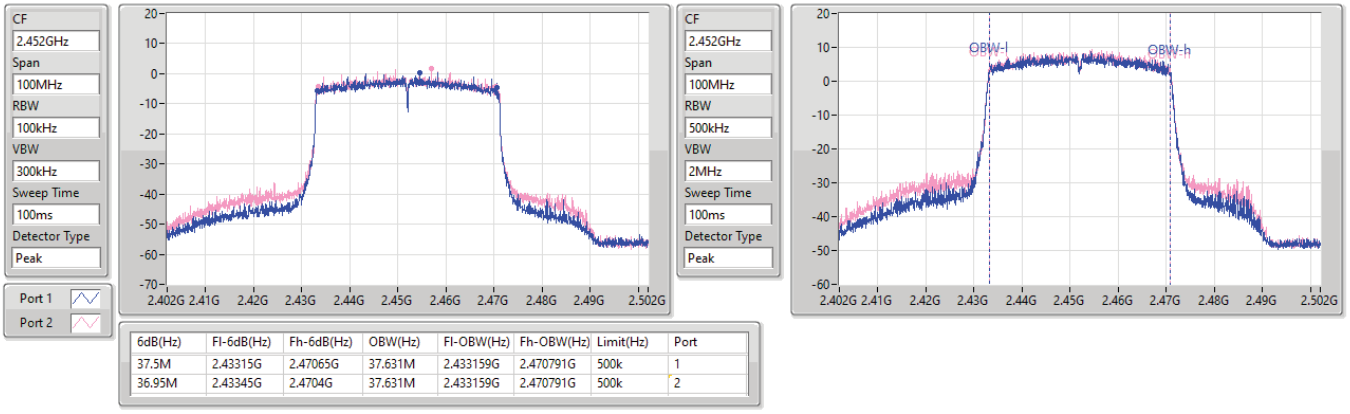


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.9M	2.4181G	2.456G	37.731M	2.418109G	2.455841G	500k	1
37.5M	2.4182G	2.4557G	37.781M	2.418109G	2.455891G	500k	2

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

2452MHz

05/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.5M	2.43315G	2.47065G	37.631M	2.433159G	2.470791G	500k	1
36.95M	2.43345G	2.4704G	37.631M	2.433159G	2.470791G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.05M	13.568M	13M6G1D	7.05M	13.298M
802.11g_Nss1,(6Mbps)_2TX	15.075M	16.514M	16M5D1D	13.8M	16.338M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.45M	18.916M	18M9D1D	12.525M	18.791M
802.11ax HEW40_Nss1,(MCS0)_2TX	33.9M	37.581M	37M6D1D	26.6M	37.431M

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

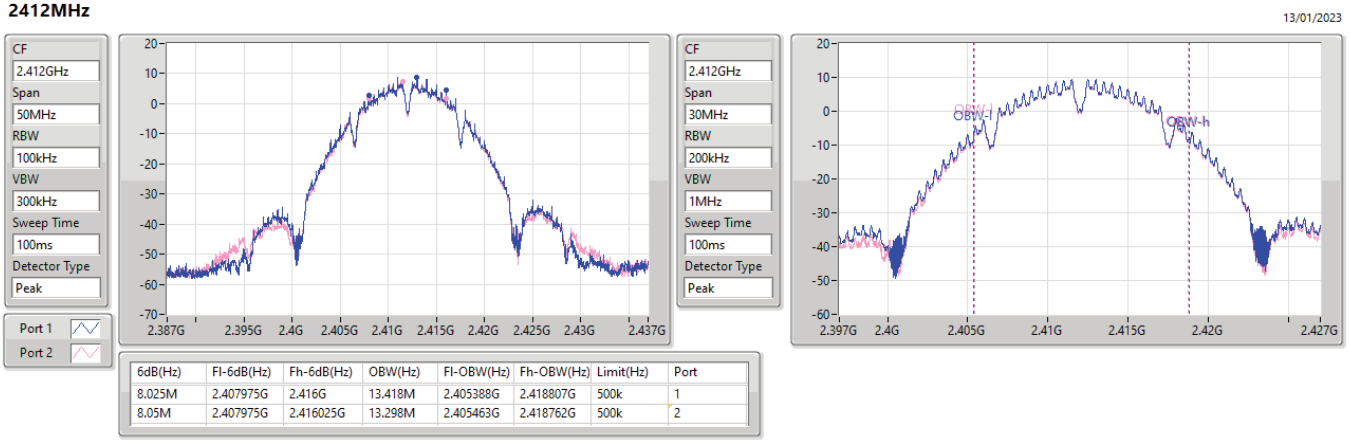
Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.025M	13.418M	8.05M	13.298M
2437MHz	Pass	500k	8.025M	13.298M	7.05M	13.568M
2462MHz	Pass	500k	7.525M	13.433M	8.025M	13.418M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15M	16.36M	15.075M	16.338M
2437MHz	Pass	500k	15M	16.36M	15.05M	16.514M
2462MHz	Pass	500k	15.025M	16.404M	13.8M	16.404M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	13.8M	18.816M	12.525M	18.791M
2437MHz	Pass	500k	18.45M	18.891M	13.675M	18.916M
2462MHz	Pass	500k	14.975M	18.791M	12.6M	18.816M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.9M	37.481M	33.8M	37.431M
2437MHz	Pass	500k	32.55M	37.481M	26.6M	37.581M
2452MHz	Pass	500k	32.6M	37.581M	33.65M	37.481M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

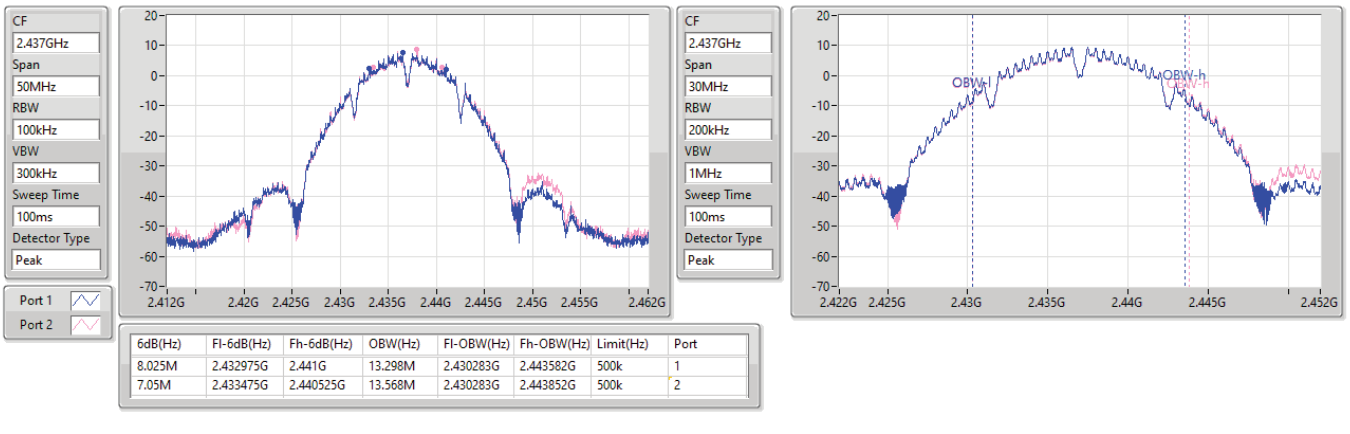
2412MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.407975G	2.416G	13.418M	2.405388G	2.418807G	500k	1
8.05M	2.407975G	2.416025G	13.298M	2.405463G	2.418762G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

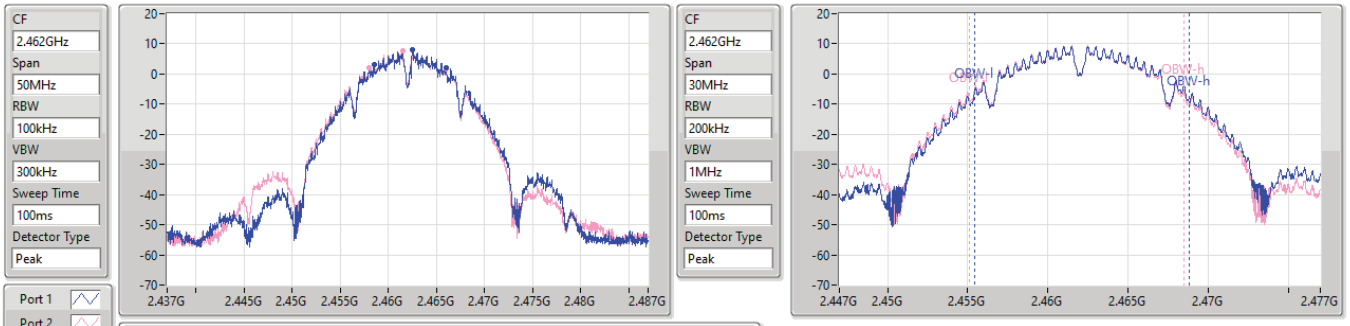


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.432975G	2.441G	13.298M	2.430283G	2.443582G	500k	1
7.05M	2.433475G	2.440525G	13.568M	2.430283G	2.443852G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2462MHz

13/01/2023

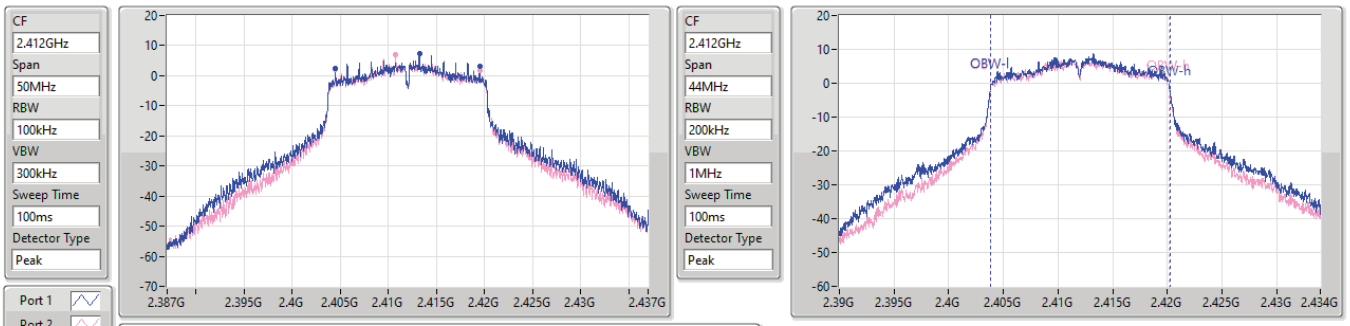


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.4585G	2.466025G	13.433M	2.455418G	2.468852G	500k	1
8.025M	2.457975G	2.466G	13.418M	2.455088G	2.468507G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

13/01/2023

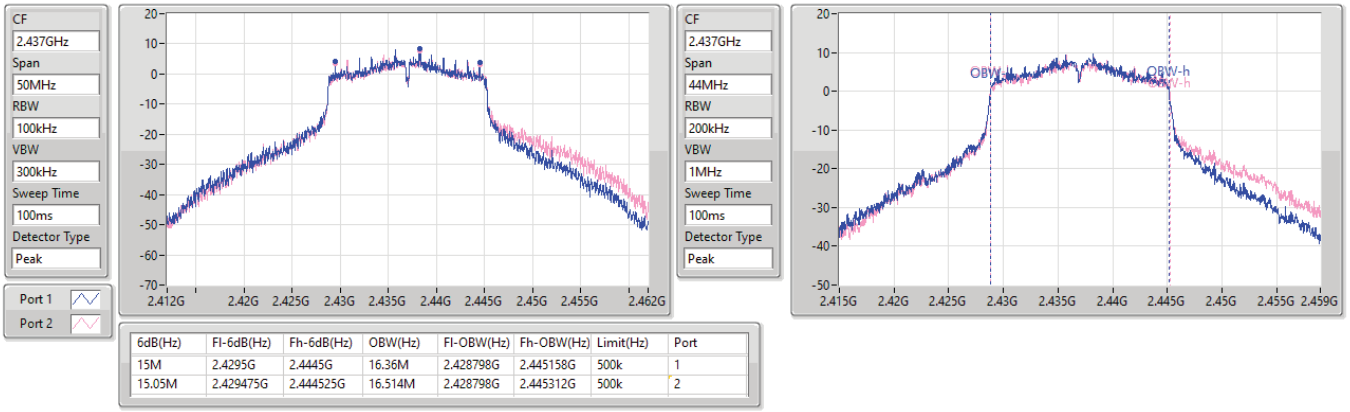


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.404525G	2.419525G	16.36M	2.403864G	2.420224G	500k	1
15.075M	2.404475G	2.41955G	16.338M	2.403864G	2.420202G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

13/01/2023

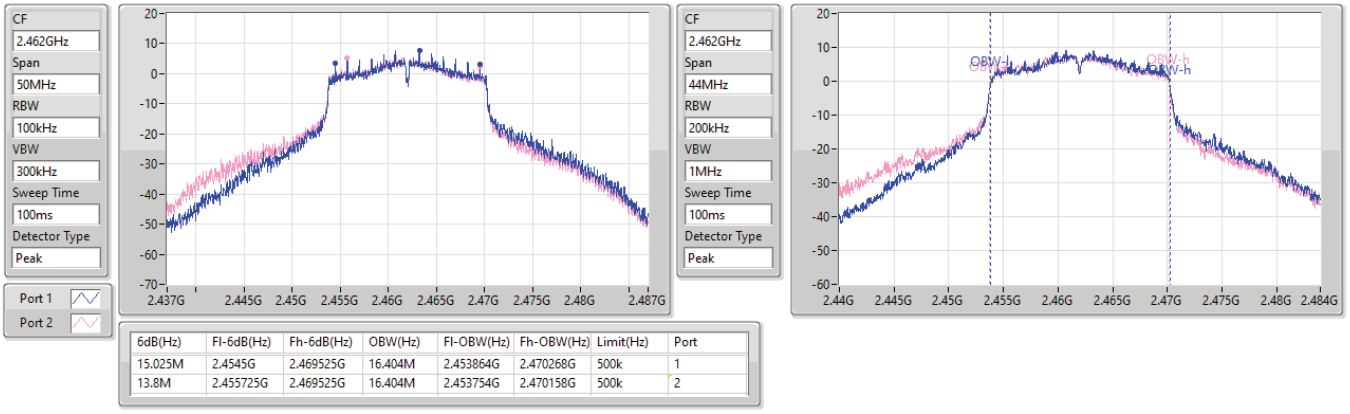


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15M	2.4295G	2.4445G	16.36M	2.428798G	2.445158G	500k	1
15.05M	2.429475G	2.444525G	16.514M	2.428798G	2.445312G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

13/01/2023

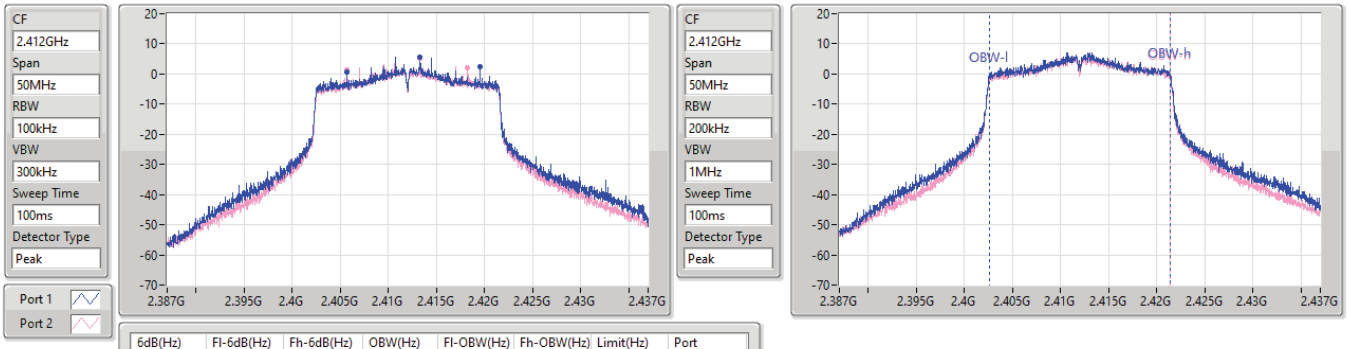


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.025M	2.4545G	2.469525G	16.404M	2.453864G	2.470268G	500k	1
13.8M	2.455725G	2.469525G	16.404M	2.453754G	2.470158G	500k	2

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

2412MHz

13/01/2023

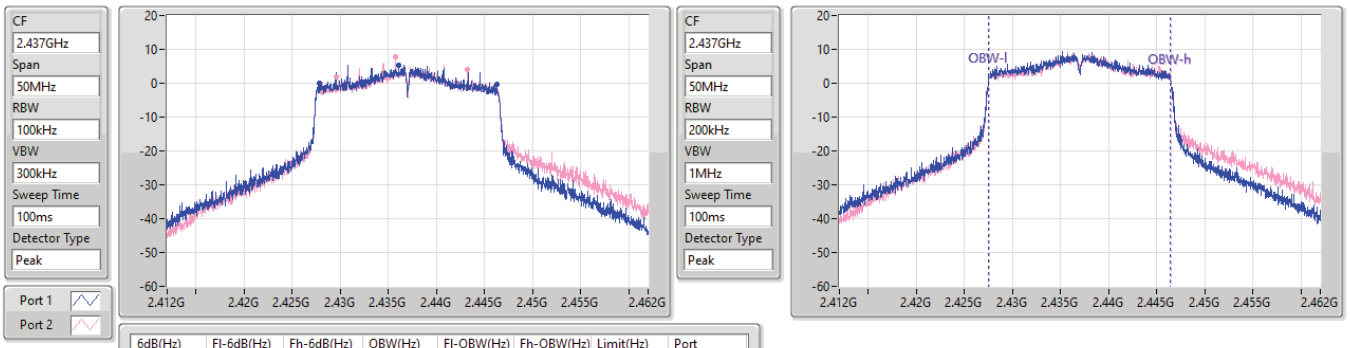


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
13.8M	2.4057G	2.4195G	18.816M	2.402605G	2.42142G	500k	1
12.525M	2.405725G	2.41825G	18.791M	2.40263G	2.42142G	500k	2

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

2437MHz

13/01/2023

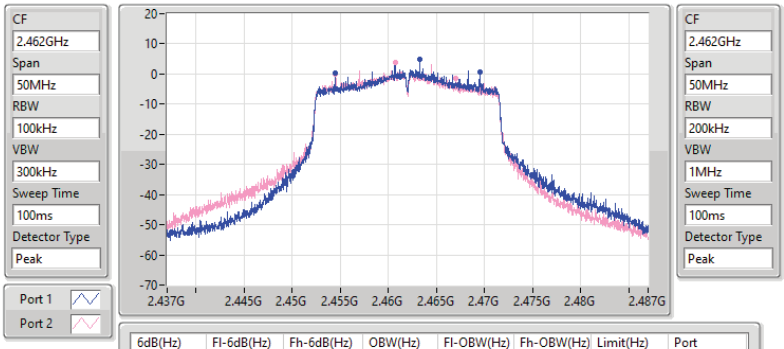


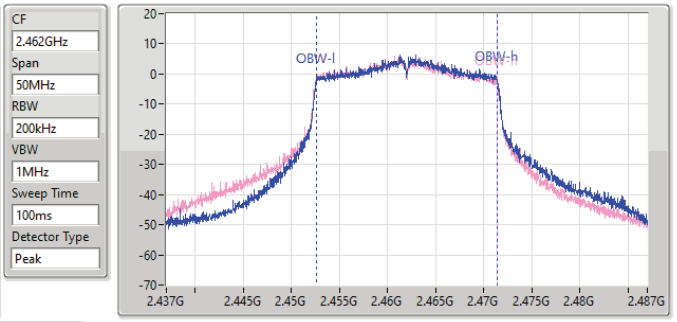
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.45M	2.4278G	2.44625G	18.891M	2.42753G	2.44642G	500k	1
13.675M	2.42955G	2.443225G	18.916M	2.427555G	2.44647G	500k	2

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

2462MHz

13/01/2023



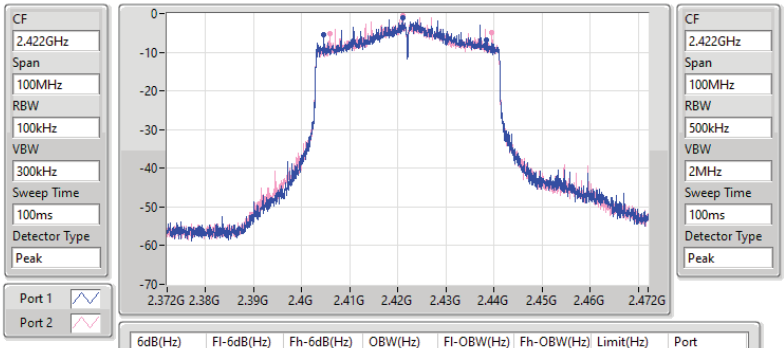


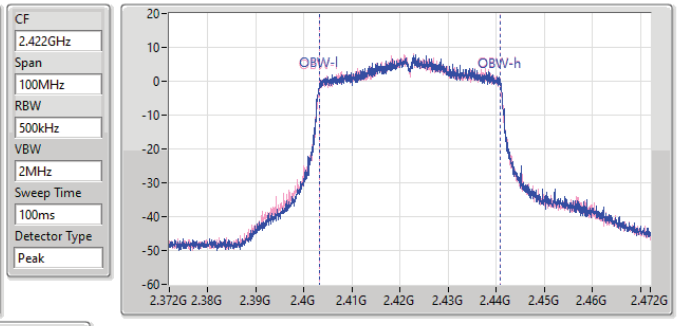
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
14.975M	2.4545G	2.469475G	18.791M	2.452605G	2.471395G	500k	1
12.6M	2.45445G	2.46705G	18.816M	2.452555G	2.47137G	500k	2

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

2422MHz

13/01/2023



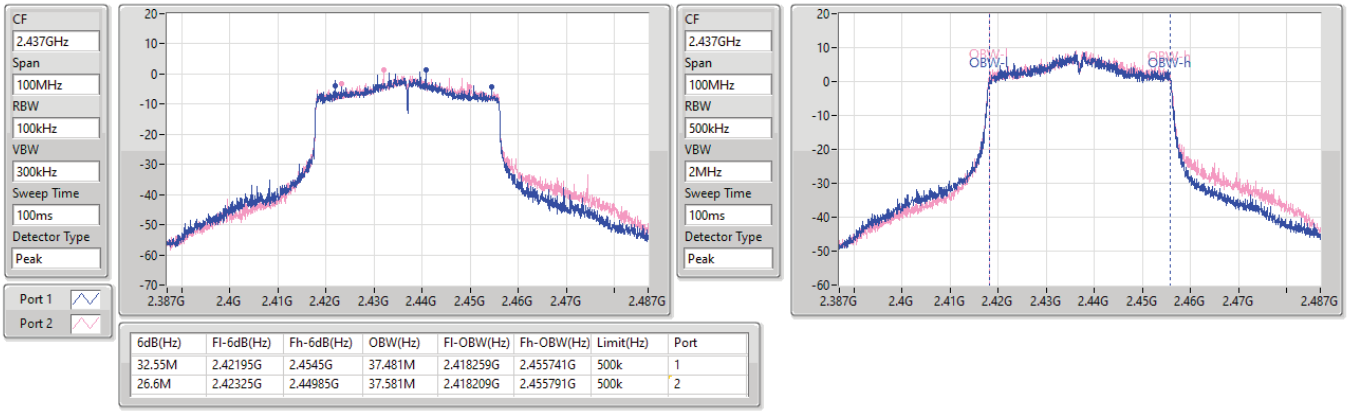


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.9M	2.4045G	2.4384G	37.481M	2.403309G	2.440791G	500k	1
33.8M	2.40575G	2.43955G	37.431M	2.403309G	2.440741G	500k	2

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

2437MHz

13/01/2023

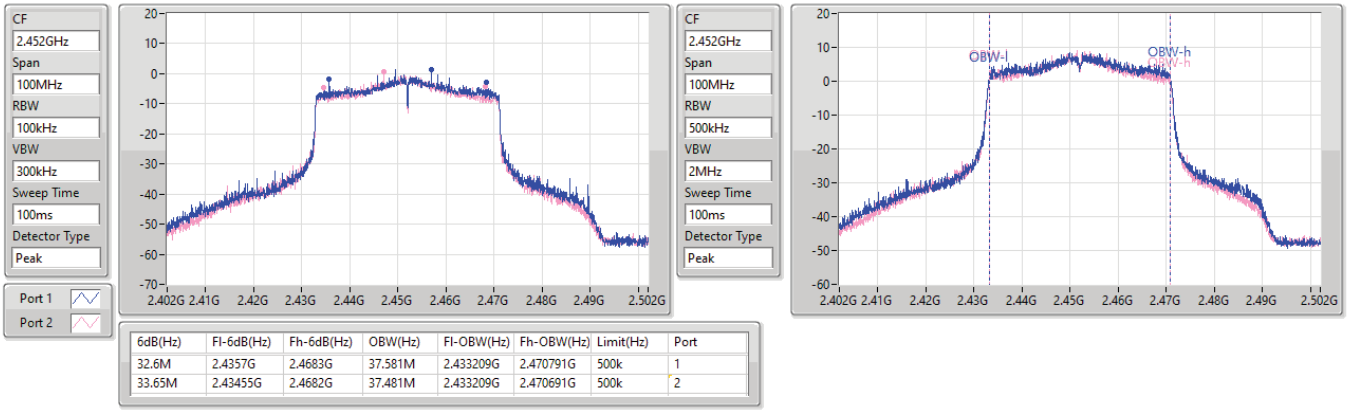


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.55M	2.42195G	2.4545G	37.481M	2.418259G	2.455741G	500k	1
26.6M	2.42325G	2.44985G	37.581M	2.418209G	2.455791G	500k	2

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

2452MHz

13/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
32.6M	2.4357G	2.4683G	37.581M	2.433209G	2.470791G	500k	1
33.65M	2.43455G	2.4682G	37.481M	2.433209G	2.470691G	500k	2

Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.525M	13.163M	13M2G1D	7.6M	12.939M
802.11g_Nss1,(6Mbps)_2TX	16.3M	16.382M	16M4D1D	15.65M	16.316M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.9M	18.916M	18M9D1D	18.325M	18.866M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.7M	37.731M	37M7D1D	36.5M	37.581M

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

Result

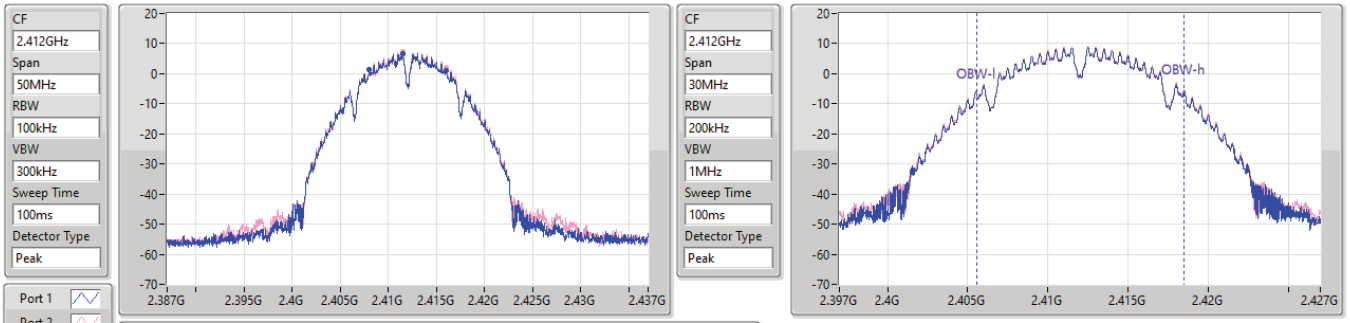
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8M	12.939M	8.05M	12.939M
2437MHz	Pass	500k	8.075M	13.118M	8.05M	13.163M
2462MHz	Pass	500k	8.525M	13.028M	7.6M	13.073M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.9M	16.316M	15.65M	16.338M
2437MHz	Pass	500k	16.3M	16.36M	16.275M	16.382M
2462MHz	Pass	500k	16.025M	16.316M	15.7M	16.36M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.425M	18.866M	18.5M	18.866M
2437MHz	Pass	500k	18.675M	18.916M	18.9M	18.916M
2462MHz	Pass	500k	18.325M	18.891M	18.55M	18.891M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.5M	37.581M	37.1M	37.581M
2437MHz	Pass	500k	37.7M	37.731M	37.7M	37.731M
2452MHz	Pass	500k	36.6M	37.631M	37.45M	37.631M

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

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2412MHz

13/01/2023

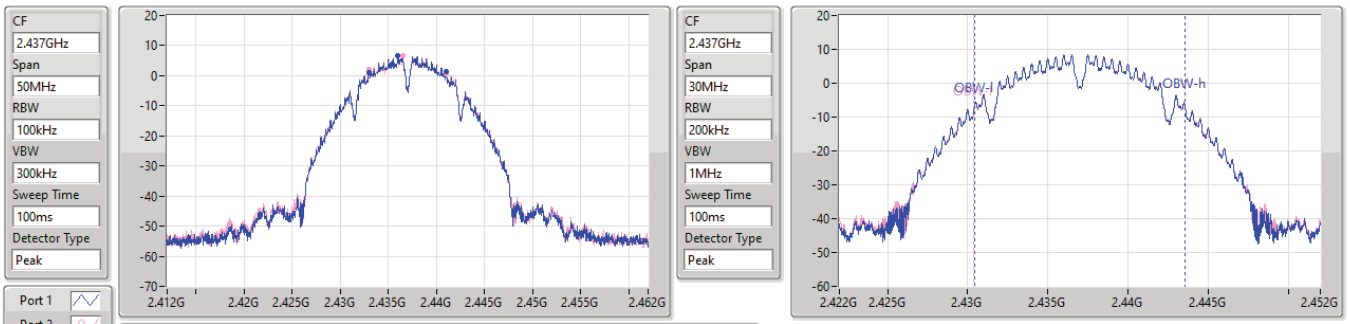


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8M	2.408025G	2.416025G	12.939M	2.405568G	2.418507G	500k	1
8.05M	2.407975G	2.416025G	12.939M	2.405568G	2.418507G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

2437MHz

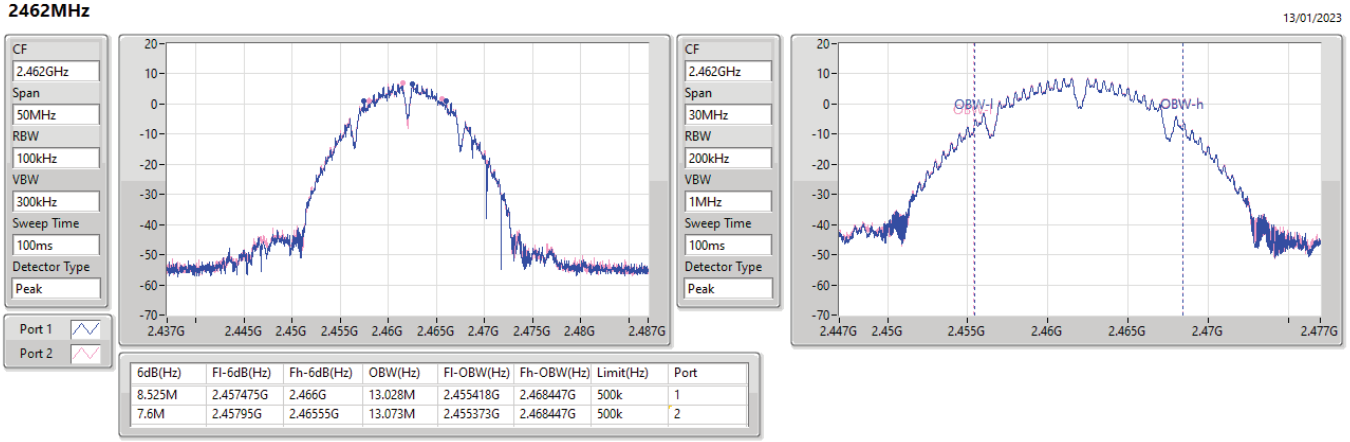
13/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.075M	2.43295G	2.441025G	13.118M	2.430418G	2.443537G	500k	1
8.05M	2.432975G	2.441025G	13.163M	2.430388G	2.443552G	500k	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **EBW**

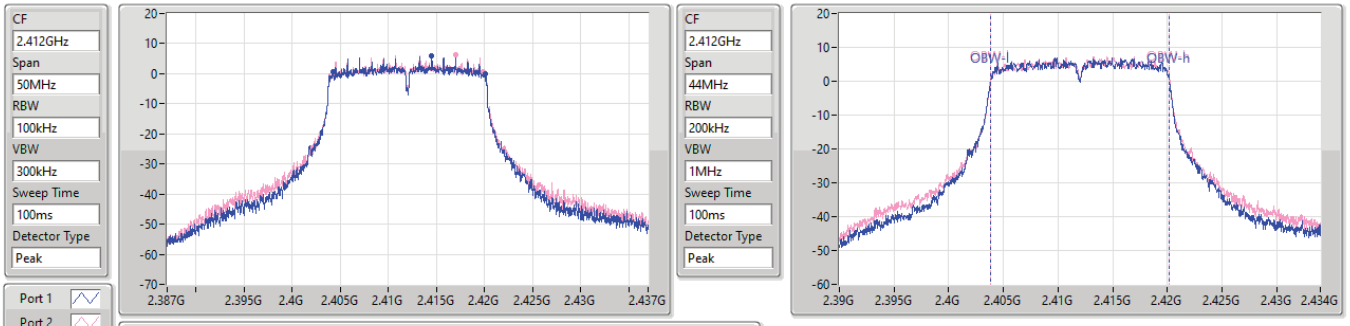
2462MHz



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.525M	2.457475G	2.466G	13.028M	2.455418G	2.468447G	500k	1
7.6M	2.45795G	2.46555G	13.073M	2.455373G	2.468447G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2412MHz

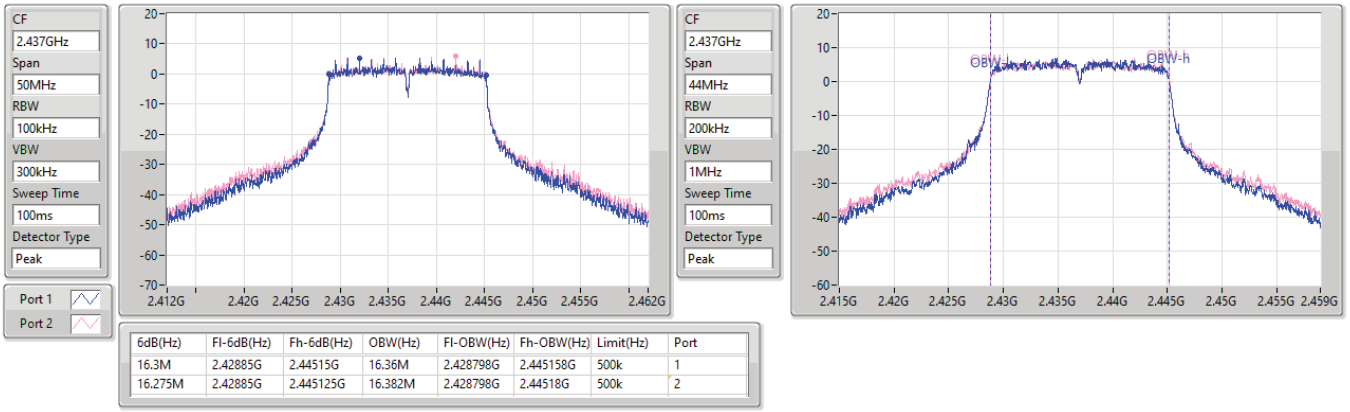


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.9M	2.404225G	2.420125G	16.316M	2.403842G	2.420158G	500k	1
15.65M	2.40425G	2.4199G	16.338M	2.403842G	2.42018G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2437MHz

13/01/2023

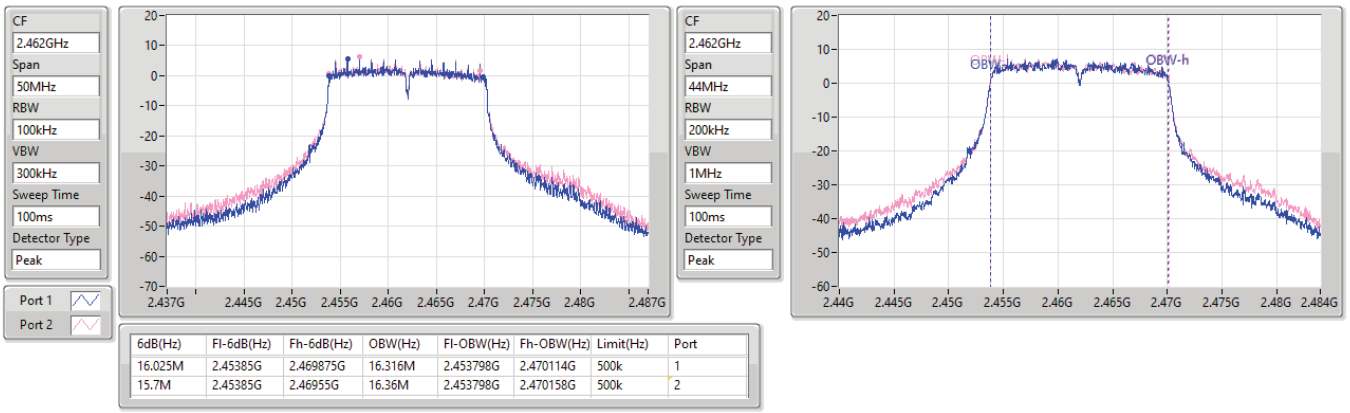


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.42885G	2.44515G	16.36M	2.428798G	2.445158G	500k	1
16.275M	2.42885G	2.445125G	16.382M	2.428798G	2.44518G	500k	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **EBW**

2462MHz

13/01/2023

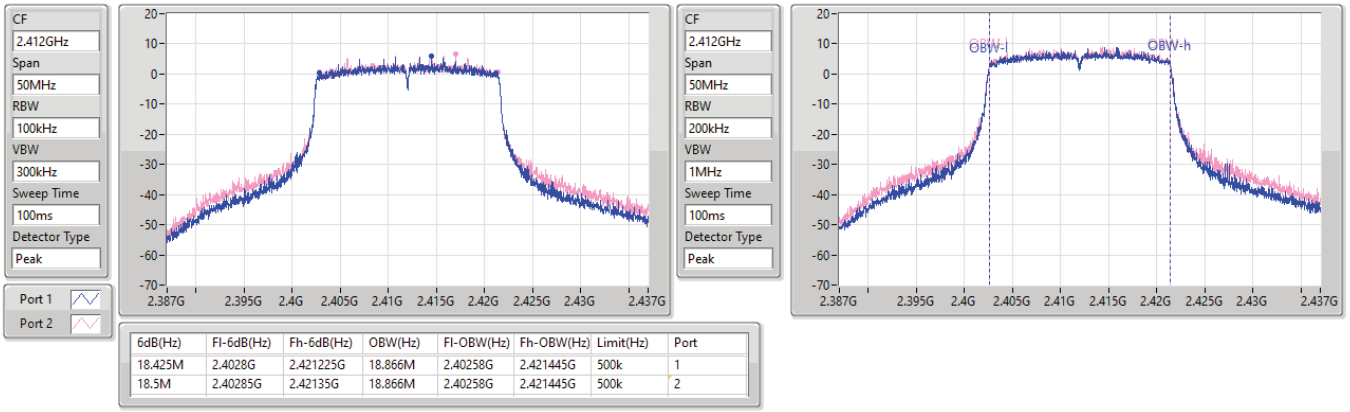


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.025M	2.45385G	2.469875G	16.316M	2.453798G	2.470114G	500k	1
15.7M	2.45385G	2.46955G	16.36M	2.453798G	2.470158G	500k	2

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

2412MHz

13/01/2023

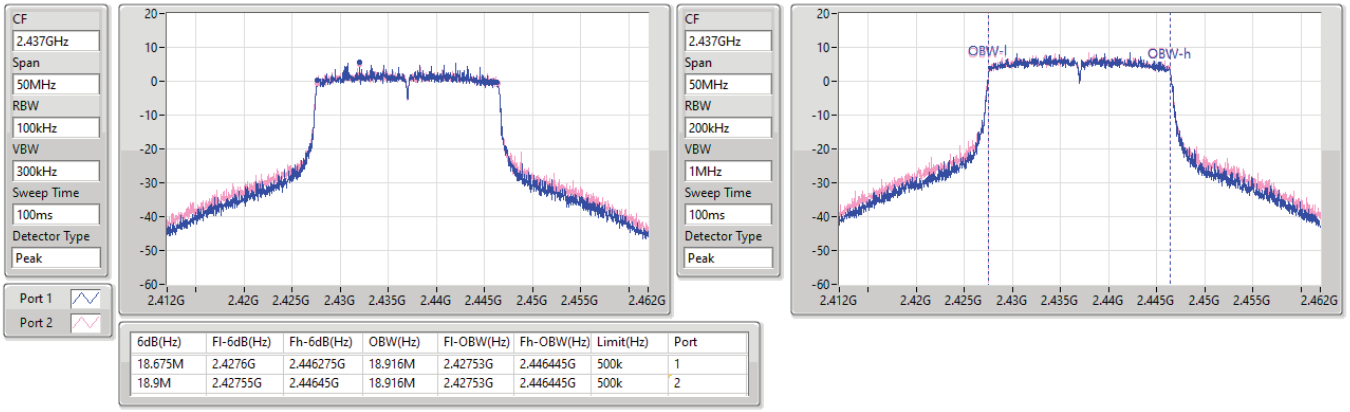


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.425M	2.4028G	2.421225G	18.866M	2.40258G	2.421445G	500k	1
18.5M	2.40285G	2.42135G	18.866M	2.40258G	2.421445G	500k	2

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

2437MHz

13/01/2023

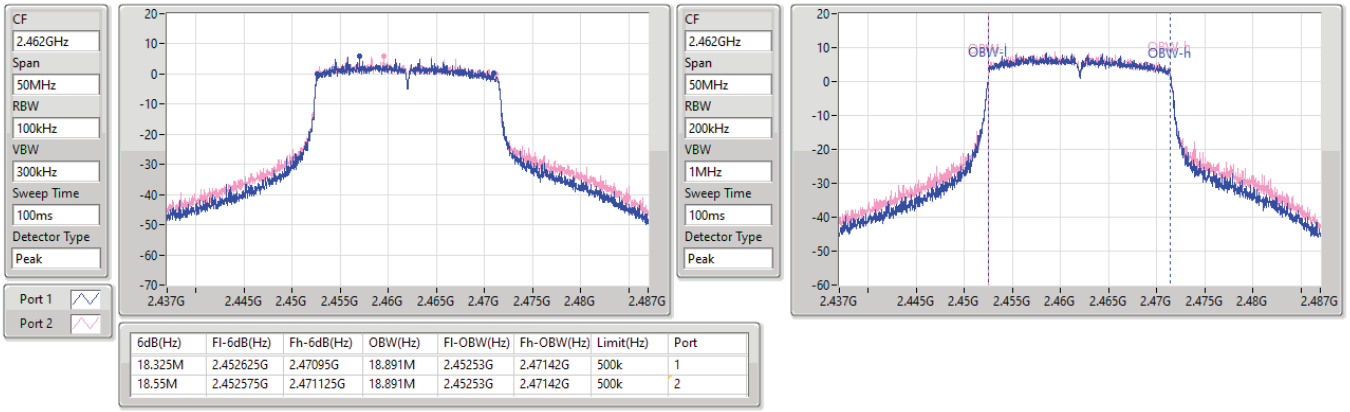


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.675M	2.4276G	2.446275G	18.916M	2.42753G	2.446445G	500k	1
18.9M	2.42755G	2.44645G	18.916M	2.42753G	2.446445G	500k	2

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

2462MHz

13/01/2023

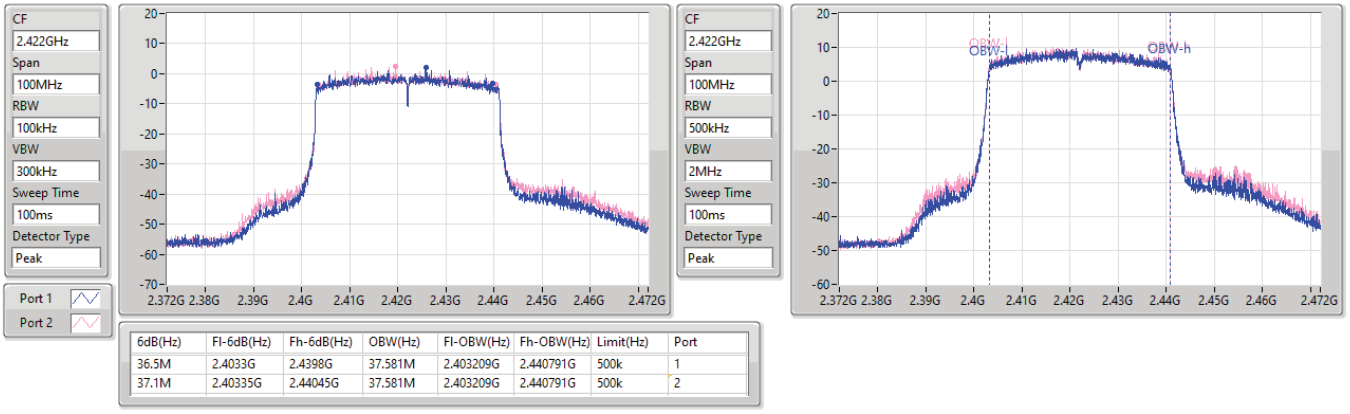


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.325M	2.452625G	2.47095G	18.891M	2.45253G	2.47142G	500k	1
18.55M	2.452575G	2.471125G	18.891M	2.45253G	2.47142G	500k	2

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

2422MHz

13/01/2023

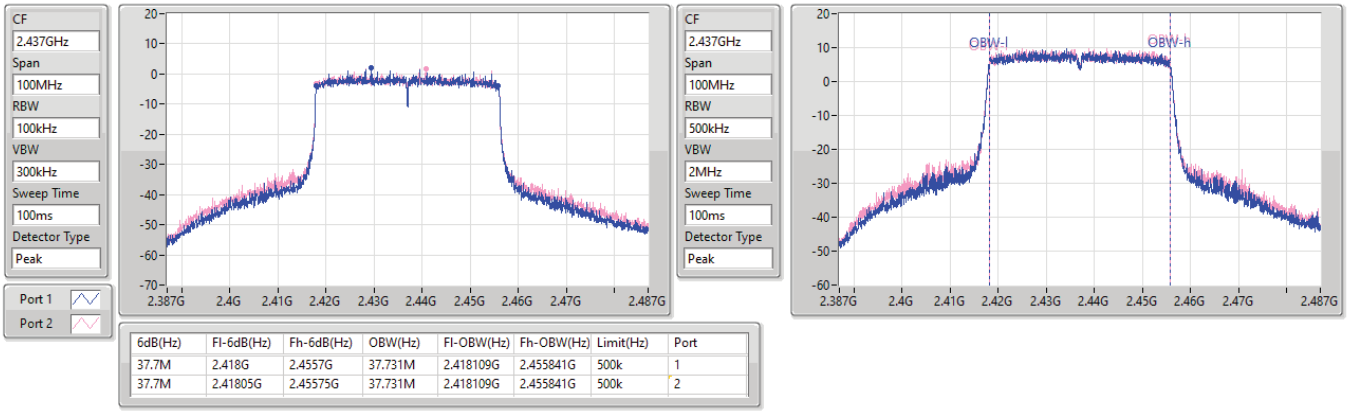


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.5M	2.4033G	2.4398G	37.581M	2.403209G	2.440791G	500k	1
37.1M	2.40335G	2.44045G	37.581M	2.403209G	2.440791G	500k	2

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

2437MHz

13/01/2023

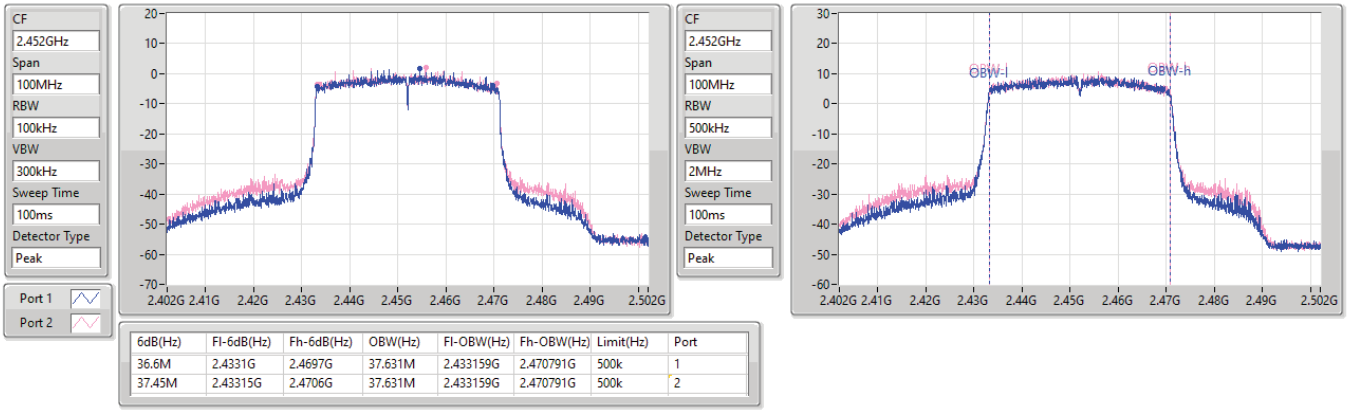


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.7M	2.418G	2.4557G	37.731M	2.418109G	2.455841G	500k	1
37.7M	2.41805G	2.45575G	37.731M	2.418109G	2.455841G	500k	2

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

2452MHz

13/01/2023



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.6M	2.4331G	2.4697G	37.631M	2.433159G	2.470791G	500k	1
37.45M	2.43315G	2.4706G	37.631M	2.433159G	2.470791G	500k	2

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.77	0.11940
802.11g_Nss1,(6Mbps)_2TX	20.60	0.11482
802.11ax HEW20_Nss1,(MCS0)_2TX	19.93	0.09840
802.11ax HEW40_Nss1,(MCS0)_2TX	19.66	0.09247

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.31	17.79	17.72	20.77	30.00
2437MHz	Pass	1.31	17.71	17.50	20.62	30.00
2462MHz	Pass	1.31	17.49	17.48	20.50	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.31	16.83	16.33	19.60	30.00
2417MHz	Pass	1.31	17.59	17.58	20.60	30.00
2437MHz	Pass	1.31	17.27	17.17	20.23	30.00
2457MHz	Pass	1.31	16.62	17.75	20.23	30.00
2462MHz	Pass	1.31	15.45	15.48	18.48	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	1.31	15.68	15.29	18.50	30.00
2417MHz	Pass	1.31	16.77	16.90	19.85	30.00
2437MHz	Pass	1.31	16.98	16.85	19.93	30.00
2457MHz	Pass	1.31	16.42	17.23	19.85	30.00
2462MHz	Pass	1.31	14.51	14.62	17.58	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	1.31	15.34	15.41	18.39	30.00
2427MHz	Pass	1.31	16.63	16.67	19.66	30.00
2437MHz	Pass	1.31	16.30	16.94	19.64	30.00
2447MHz	Pass	1.31	14.51	14.77	17.65	30.00
2452MHz	Pass	1.31	12.29	12.12	15.22	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	19.83	0.09616
802.11g_Nss1,(6Mbps)_2TX	20.00	0.10000
802.11ax HEW20_Nss1,(MCS0)_2TX	20.46	0.11117
802.11ax HEW40_Nss1,(MCS0)_2TX	19.76	0.09462

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	16.51	17.10	19.83	30.00
2437MHz	Pass	4.70	16.15	16.46	19.32	30.00
2462MHz	Pass	4.70	16.34	16.70	19.53	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	16.66	17.24	19.97	30.00
2437MHz	Pass	4.70	16.54	16.84	19.70	30.00
2462MHz	Pass	4.70	16.76	17.21	20.00	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.70	16.56	17.10	19.85	30.00
2417MHz	Pass	4.70	17.22	17.66	20.46	30.00
2437MHz	Pass	4.70	16.92	17.35	20.15	30.00
2462MHz	Pass	4.70	17.02	17.51	20.28	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.70	16.18	16.56	19.38	30.00
2437MHz	Pass	4.70	16.52	16.97	19.76	30.00
2447MHz	Pass	4.70	16.17	16.59	19.40	30.00
2452MHz	Pass	4.70	15.57	16.08	18.84	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	20.32	0.10765
802.11g_Nss1,(6Mbps)_2TX	20.57	0.11402
802.11ax HEW20_Nss1,(MCS0)_2TX	20.05	0.10116
802.11ax HEW40_Nss1,(MCS0)_2TX	17.31	0.05383

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	17.46	17.15	20.32	30.00
2437MHz	Pass	4.90	17.44	16.99	20.23	30.00
2462MHz	Pass	4.90	17.18	17.14	20.17	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	16.70	16.26	19.50	30.00
2417MHz	Pass	4.90	17.60	17.52	20.57	30.00
2437MHz	Pass	4.90	17.48	17.24	20.37	30.00
2462MHz	Pass	4.90	17.32	17.24	20.29	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.90	14.65	14.49	17.58	30.00
2417MHz	Pass	4.90	17.16	16.91	20.05	30.00
2437MHz	Pass	4.90	16.95	16.37	19.68	30.00
2457MHz	Pass	4.90	16.58	17.04	19.83	30.00
2462MHz	Pass	4.90	13.58	13.39	16.50	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.90	12.95	12.92	15.95	30.00
2427MHz	Pass	4.90	14.19	13.79	17.00	30.00
2437MHz	Pass	4.90	13.85	14.23	17.05	30.00
2447MHz	Pass	4.90	12.54	12.37	15.47	30.00
2452MHz	Pass	4.90	14.49	14.11	17.31	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	19.95	0.09886
802.11g_Nss1,(6Mbps)_2TX	20.11	0.10257
802.11ax HEW20_Nss1,(MCS0)_2TX	20.57	0.11402
802.11ax HEW40_Nss1,(MCS0)_2TX	19.69	0.09311

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.20	16.74	17.13	19.95	30.00
2437MHz	Pass	5.20	16.28	16.50	19.40	30.00
2462MHz	Pass	5.20	16.50	16.73	19.63	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.20	16.94	17.26	20.11	30.00
2437MHz	Pass	5.20	16.76	16.95	19.87	30.00
2462MHz	Pass	5.20	16.77	17.04	19.92	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.20	17.38	17.74	20.57	30.00
2437MHz	Pass	5.20	16.99	17.18	20.10	30.00
2462MHz	Pass	5.20	17.15	17.42	20.30	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.20	16.38	16.69	19.55	30.00
2437MHz	Pass	5.20	16.53	16.83	19.69	30.00
2452MHz	Pass	5.20	16.24	16.49	19.38	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.86	0.09683
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.61	0.09141

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.43	15.57	15.29	18.44	30.00
2417MHz	Pass	2.43	16.65	16.9	19.79	30.00
2437MHz	Pass	2.43	16.84	16.85	19.86	30.00
2457MHz	Pass	2.43	16.27	17.23	19.79	30.00
2462MHz	Pass	2.43	14.37	14.62	17.51	30.00
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.43	15.24	15.41	18.34	30.00
2427MHz	Pass	2.43	16.53	16.67	19.61	30.00
2437MHz	Pass	2.43	16.16	16.94	19.58	30.00
2447MHz	Pass	2.43	14.37	14.77	17.58	30.00
2452MHz	Pass	2.43	12.14	12.12	15.14	30.00

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.31	0.10740
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.64	0.09204

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.46	16.46	16.95	19.72	28.54
2417MHz	Pass	7.46	17.07	17.51	20.31	28.54
2437MHz	Pass	7.46	16.80	17.24	20.04	28.54
2462MHz	Pass	7.46	16.91	17.38	20.16	28.54
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.46	16.04	16.46	19.27	28.54
2437MHz	Pass	7.46	16.40	16.85	19.64	28.54
2447MHz	Pass	7.46	16.05	16.48	19.28	28.54
2452MHz	Pass	7.46	15.47	15.93	18.72	28.54

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	19.94	0.09863
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	17.20	0.05248

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.66	14.53	14.39	17.47	28.34
2417MHz	Pass	7.66	17.06	16.80	19.94	28.34
2437MHz	Pass	7.66	16.81	16.24	19.54	28.34
2457MHz	Pass	7.66	16.44	16.91	19.69	28.34
2462MHz	Pass	7.66	13.48	13.25	16.38	28.34
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.66	12.82	12.78	15.81	28.34
2427MHz	Pass	7.66	14.08	13.66	16.89	28.34
2437MHz	Pass	7.66	13.75	14.12	16.95	28.34
2447MHz	Pass	7.66	12.41	12.27	15.35	28.34
2452MHz	Pass	7.66	14.37	14.01	17.20	28.34

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

Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	20.46	0.11117
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	19.57	0.09057

Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.96	17.26	17.63	20.46	28.04
2437MHz	Pass	7.96	16.86	17.07	19.98	28.04
2462MHz	Pass	7.96	17.01	17.30	20.17	28.04
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.96	16.27	16.59	19.44	28.04
2437MHz	Pass	7.96	16.39	16.72	19.57	28.04
2452MHz	Pass	7.96	16.12	16.35	19.25	28.04

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

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.43
802.11g_Nss1,(6Mbps)_2TX	-7.45
802.11ax HEW20_Nss1,(MCS0)_2TX	-6.49
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.79

RBW = 3kHz;

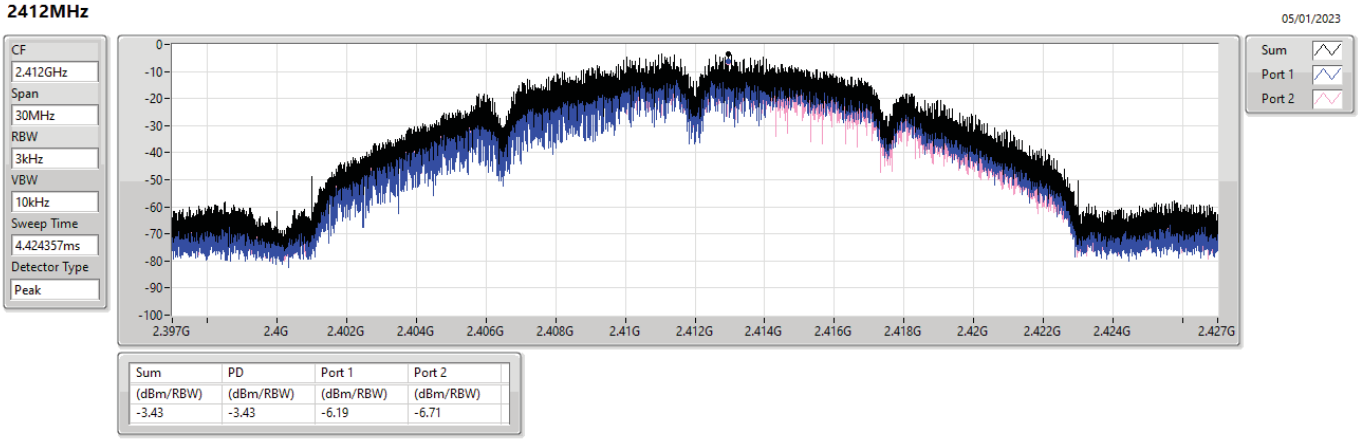
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.43	-6.19	-6.71	-3.43	8.00
2437MHz	Pass	2.43	-6.43	-6.86	-3.63	8.00
2462MHz	Pass	2.43	-7.23	-5.82	-3.75	8.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.43	-9.87	-10.38	-7.76	8.00
2437MHz	Pass	2.43	-9.41	-10.43	-7.45	8.00
2462MHz	Pass	2.43	-11.76	-11.67	-9.55	8.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	2.43	-9.02	-10.67	-7.44	8.00
2437MHz	Pass	2.43	-6.98	-8.85	-6.49	8.00
2462MHz	Pass	2.43	-10.26	-10.03	-7.13	8.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	2.43	-13.05	-12.96	-11.67	8.00
2437MHz	Pass	2.43	-11.81	-11.18	-9.79	8.00
2452MHz	Pass	2.43	-16.82	-14.93	-13.86	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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

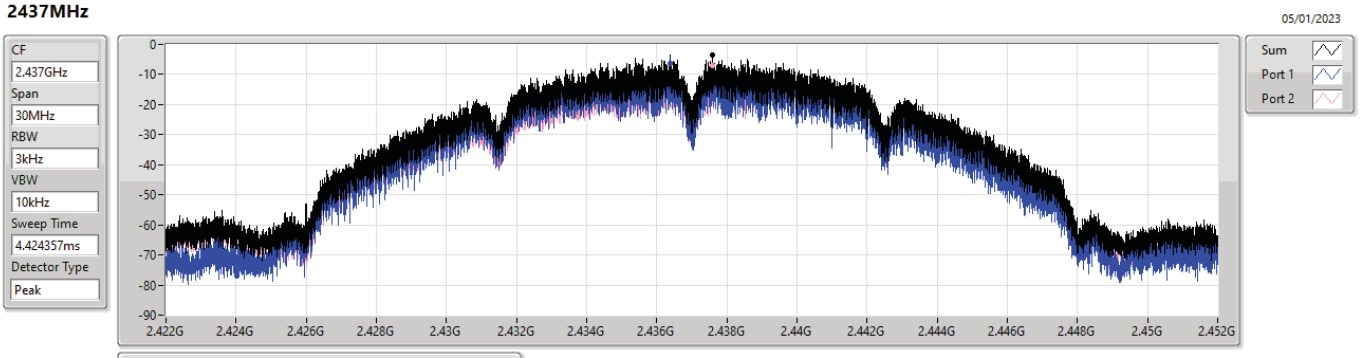
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.43	-3.43	-6.19	-6.71

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

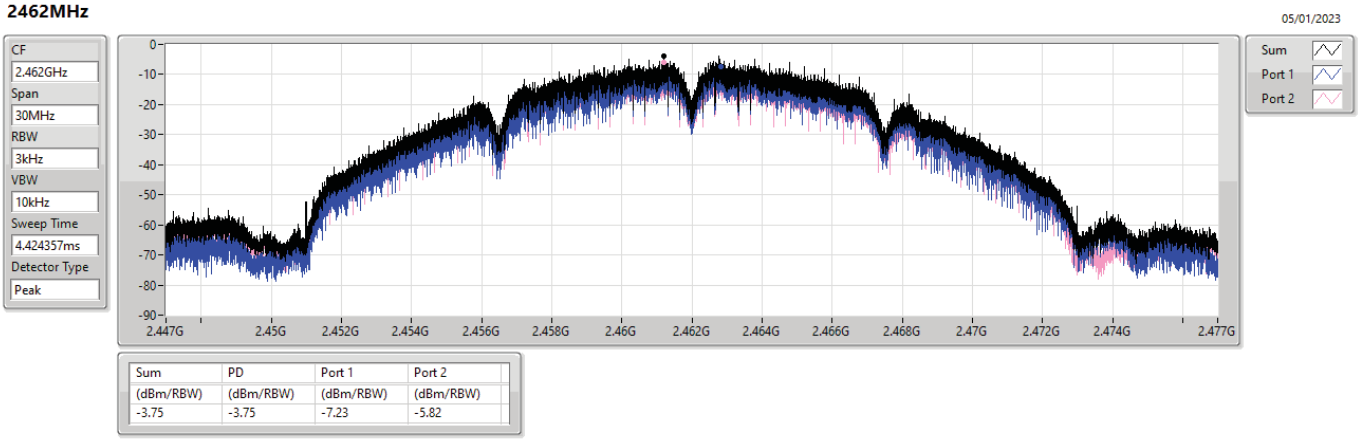
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.63	-3.63	-6.43	-6.86

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

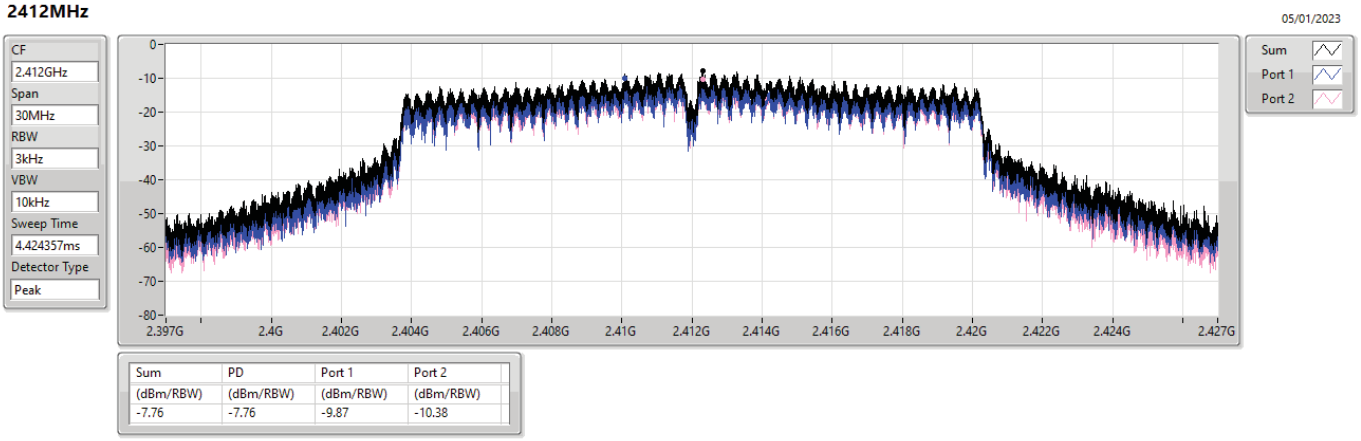
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.75	-3.75	-7.23	-5.82

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

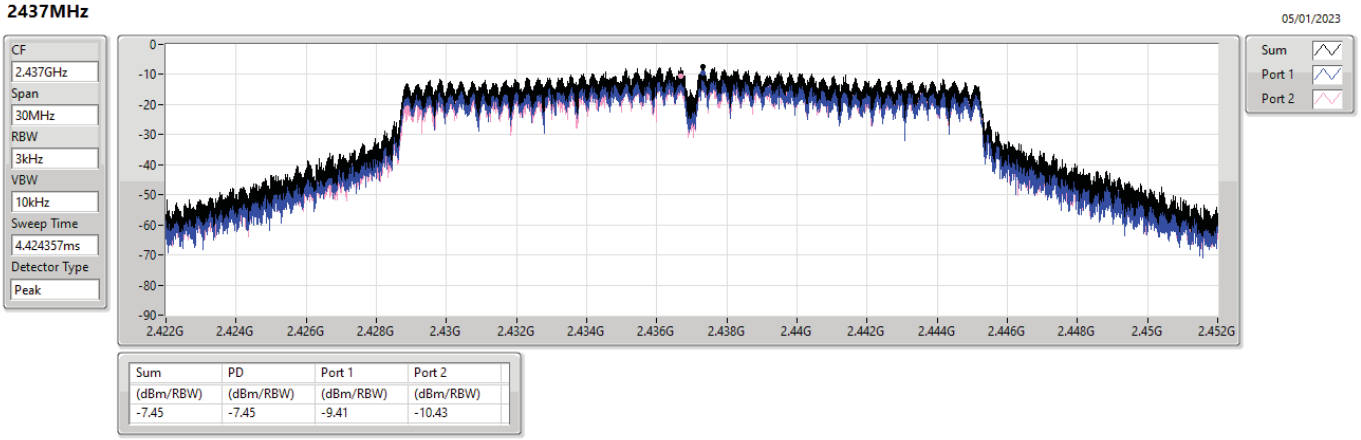
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.76	-7.76	-9.87	-10.38

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

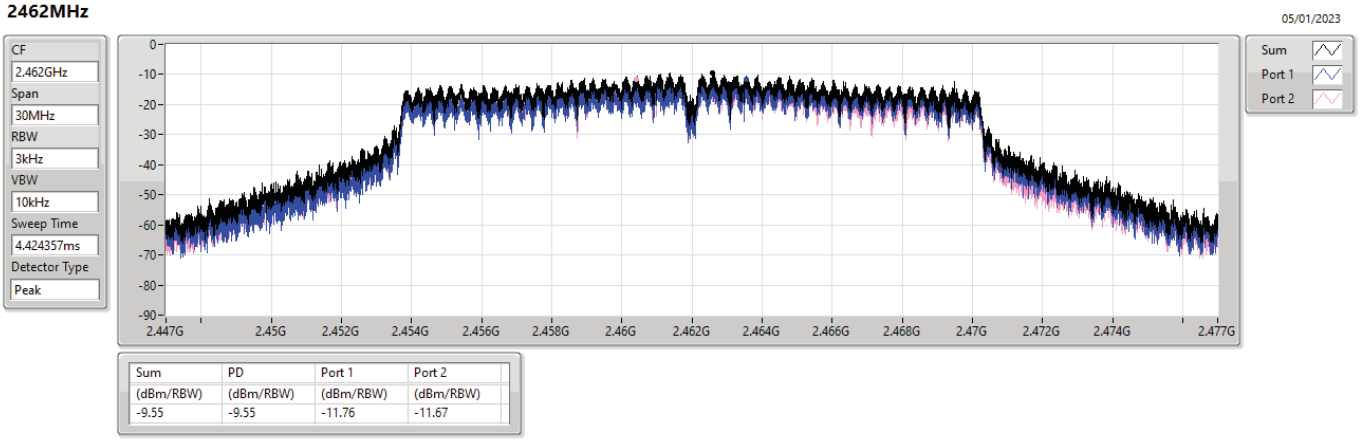
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.45	-7.45	-9.41	-10.43

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

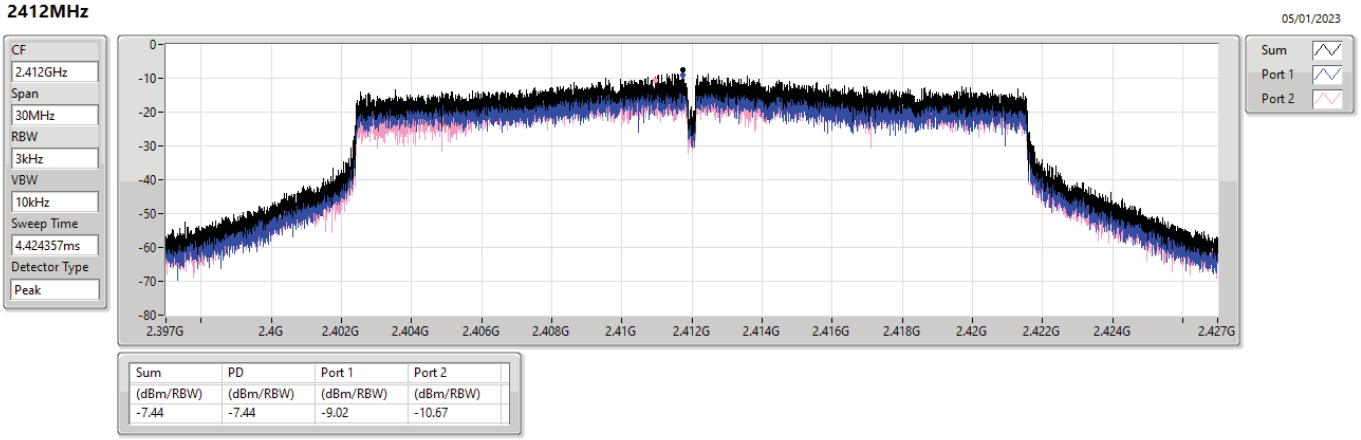
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.55	-9.55	-11.76	-11.67

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

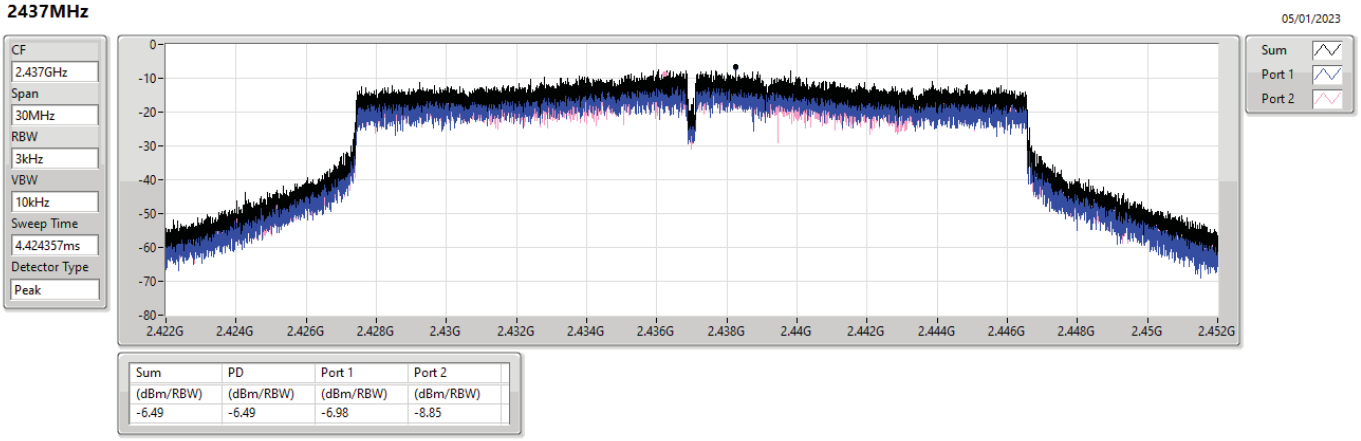
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.44	-7.44	-9.02	-10.67

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

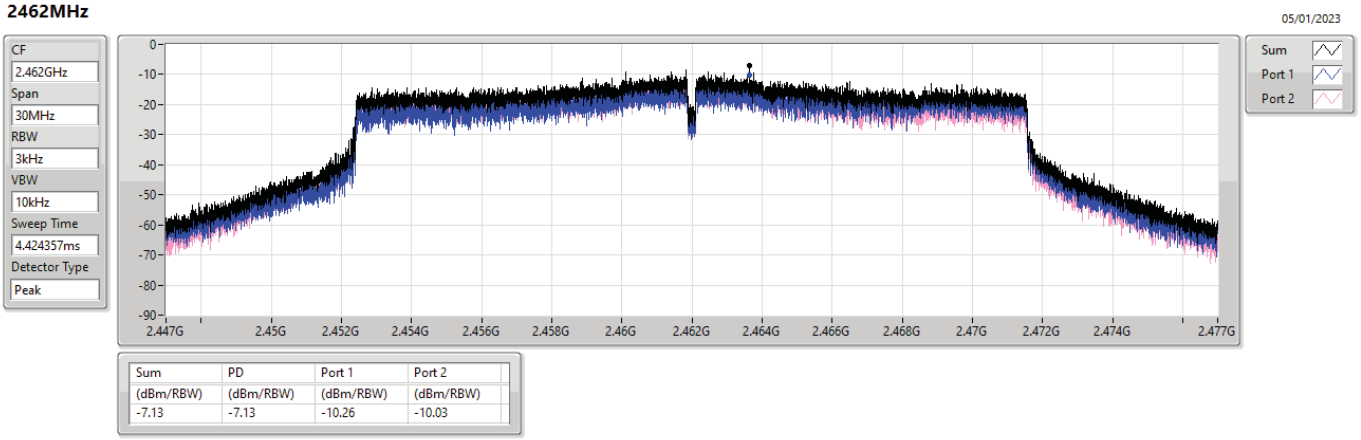
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.49	-6.49	-6.98	-8.85

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

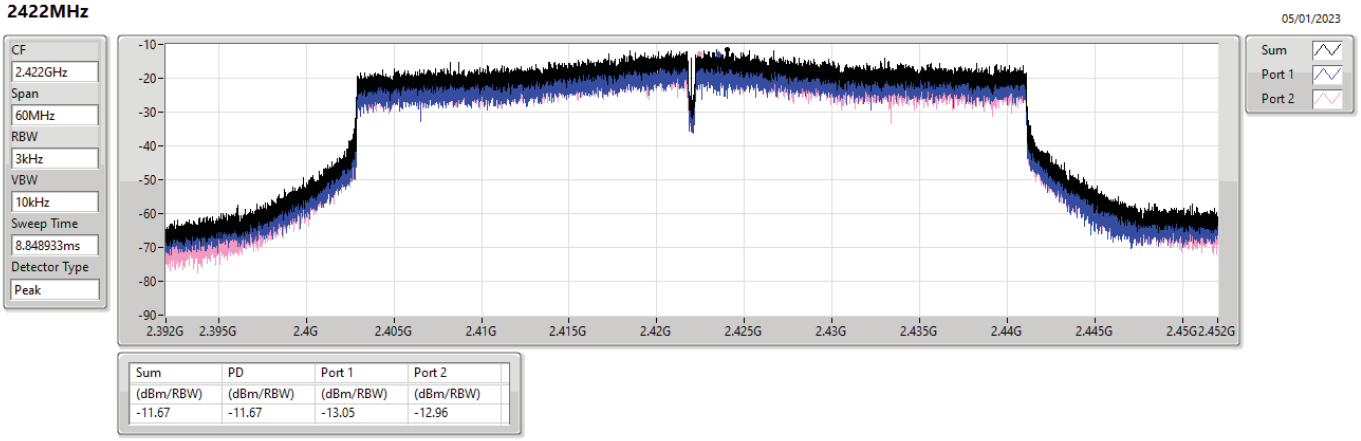
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.13	-7.13	-10.26	-10.03

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

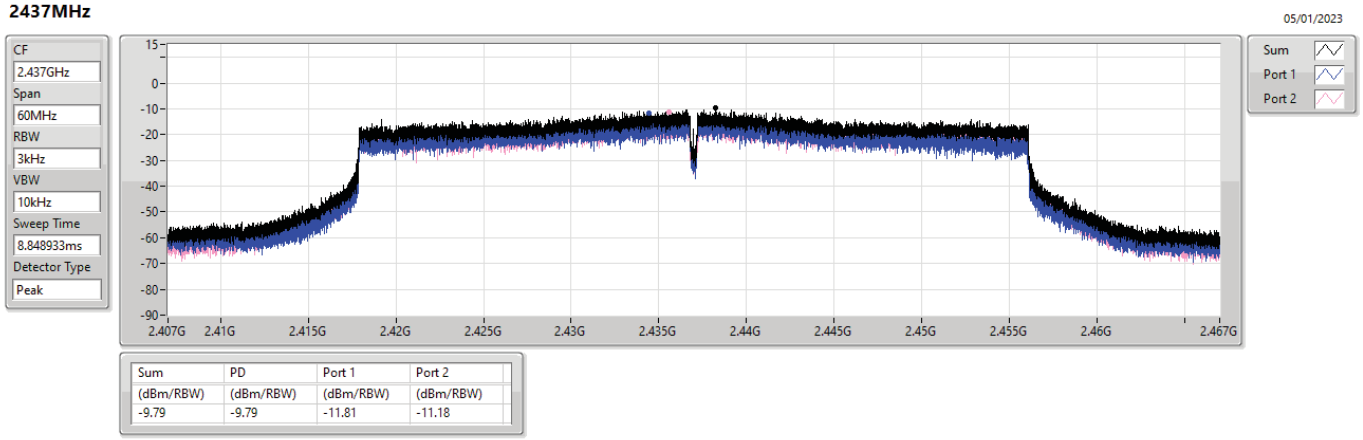
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.67	-11.67	-13.05	-12.96

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

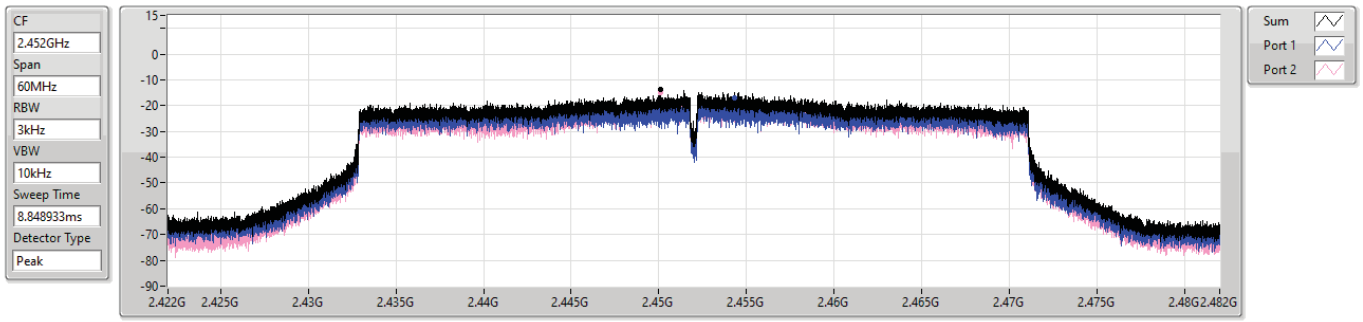
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.79	-9.79	-11.81	-11.18

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

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-13.86	-13.86	-16.82	-14.93

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-4.52
802.11g_Nss1,(6Mbps)_2TX	-7.96
802.11ax HEW20_Nss1,(MCS0)_2TX	-7.31
802.11ax HEW40_Nss1,(MCS0)_2TX	-11.34

RBW = 3kHz;

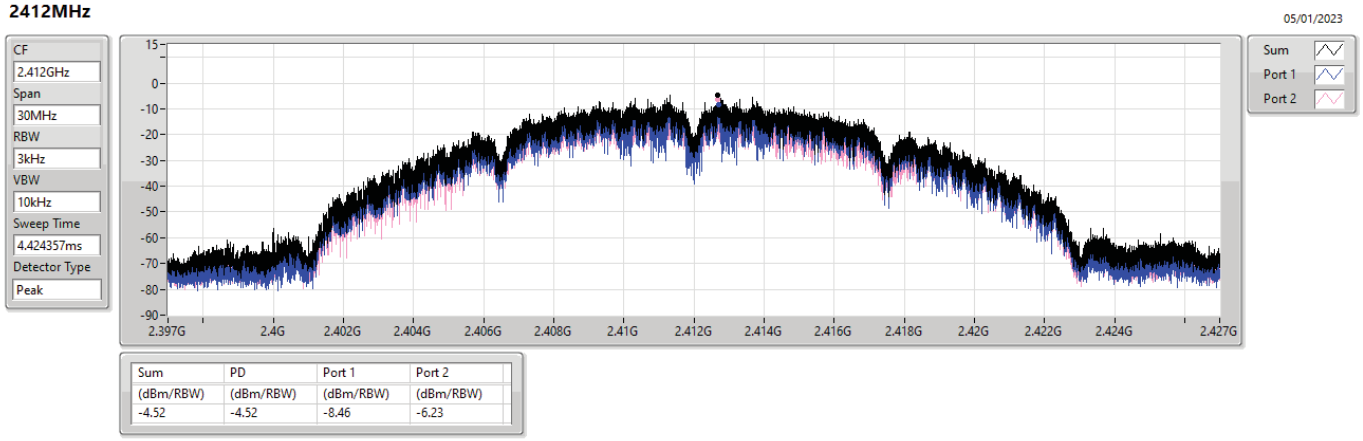
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.46	-8.46	-6.23	-4.52	6.54
2437MHz	Pass	7.46	-10.00	-7.51	-6.63	6.54
2462MHz	Pass	7.46	-7.29	-8.24	-6.23	6.54
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.46	-10.70	-11.27	-8.99	6.54
2437MHz	Pass	7.46	-11.37	-12.23	-9.84	6.54
2462MHz	Pass	7.46	-11.29	-9.63	-7.96	6.54
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.46	-11.06	-8.70	-7.31	6.54
2437MHz	Pass	7.46	-10.67	-9.83	-8.34	6.54
2462MHz	Pass	7.46	-10.51	-9.72	-7.94	6.54
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.46	-12.86	-12.03	-11.34	6.54
2437MHz	Pass	7.46	-13.58	-12.10	-11.71	6.54
2452MHz	Pass	7.46	-13.68	-12.14	-11.52	6.54

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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

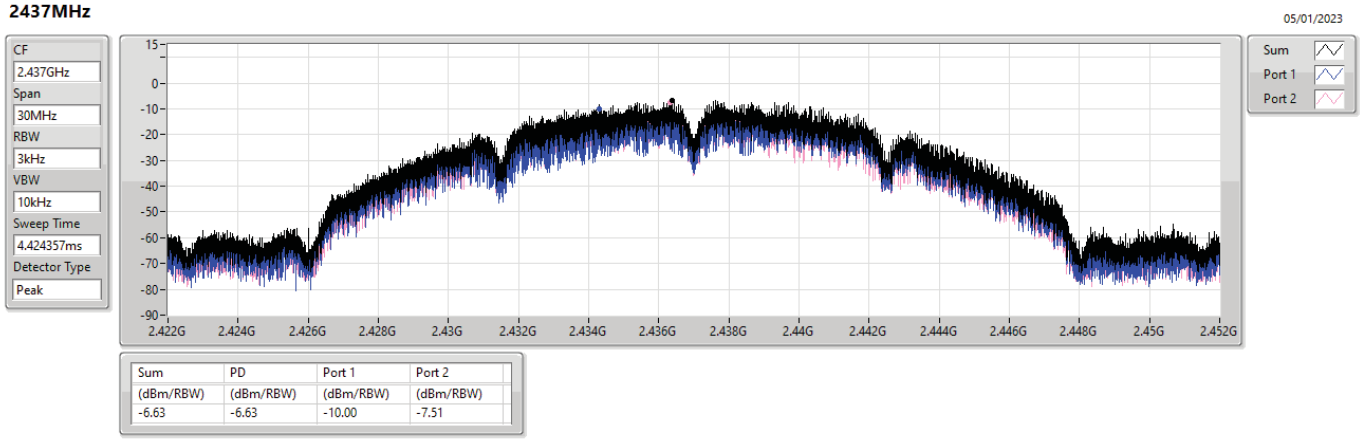
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.52	-4.52	-8.46	-6.23

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

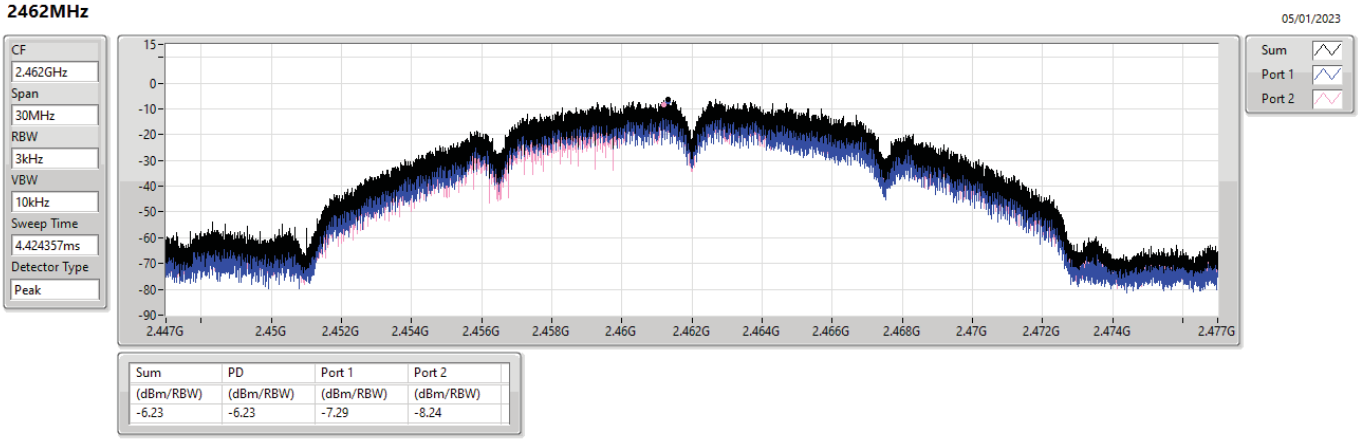
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.63	-6.63	-10.00	-7.51

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

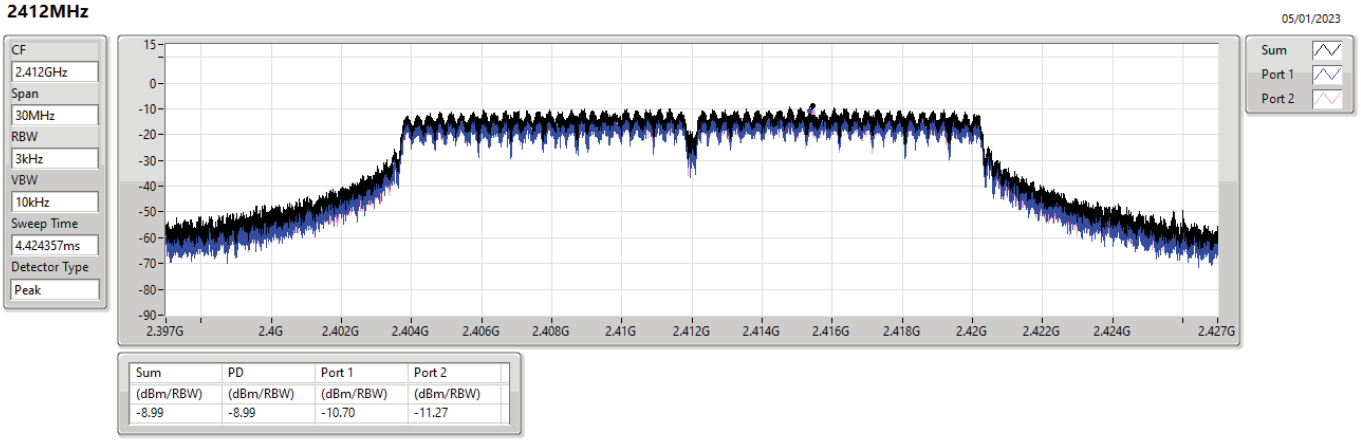
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.23	-6.23	-7.29	-8.24

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

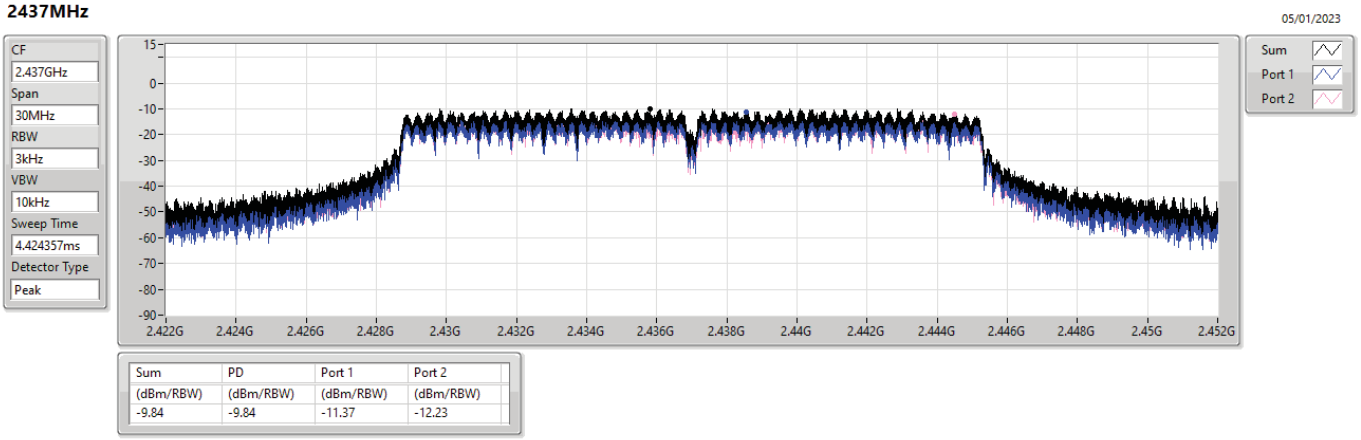
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.99	-8.99	-10.70	-11.27

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

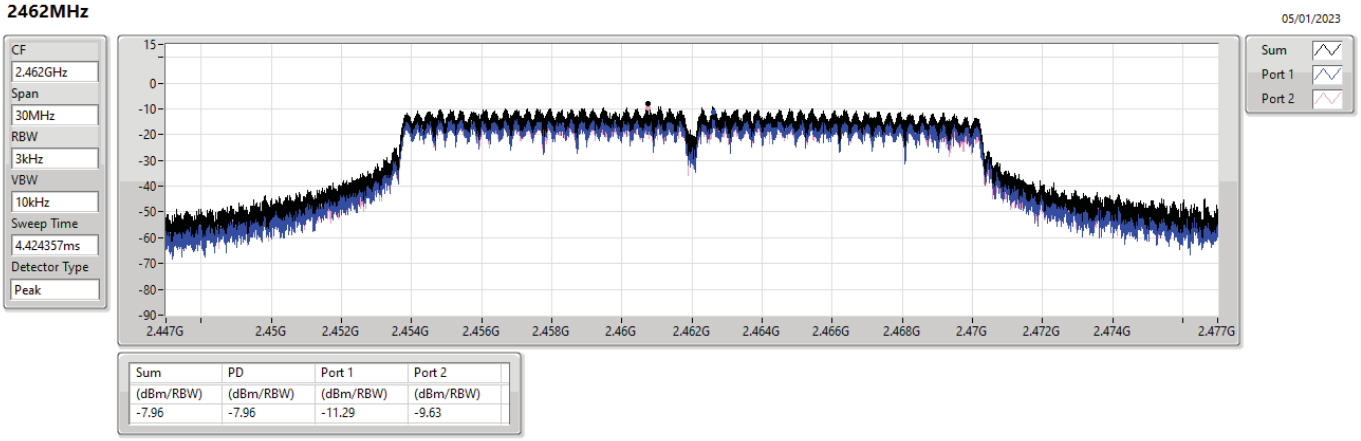
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.84	-9.84	-11.37	-12.23

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

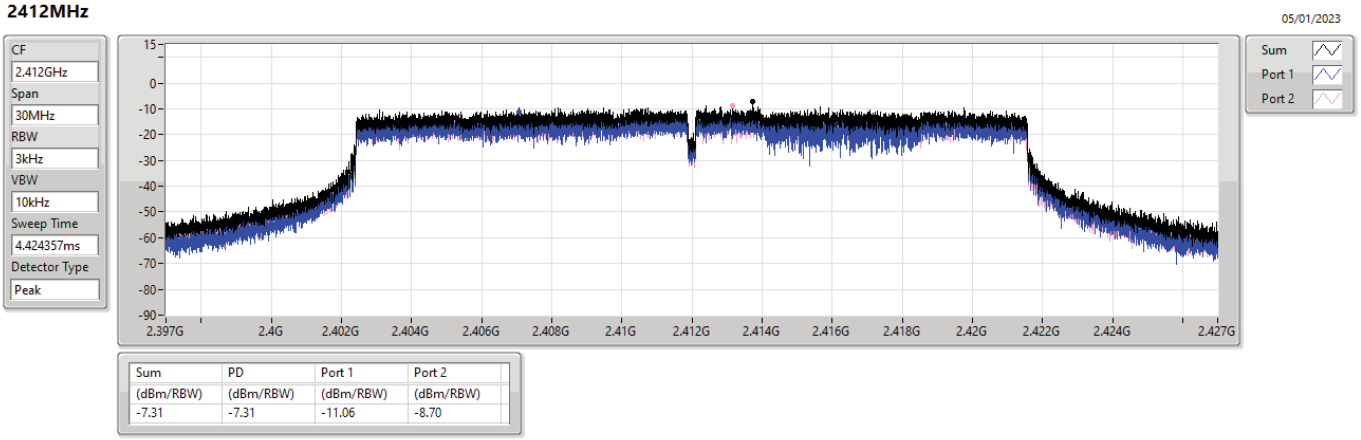
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.96	-7.96	-11.29	-9.63

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

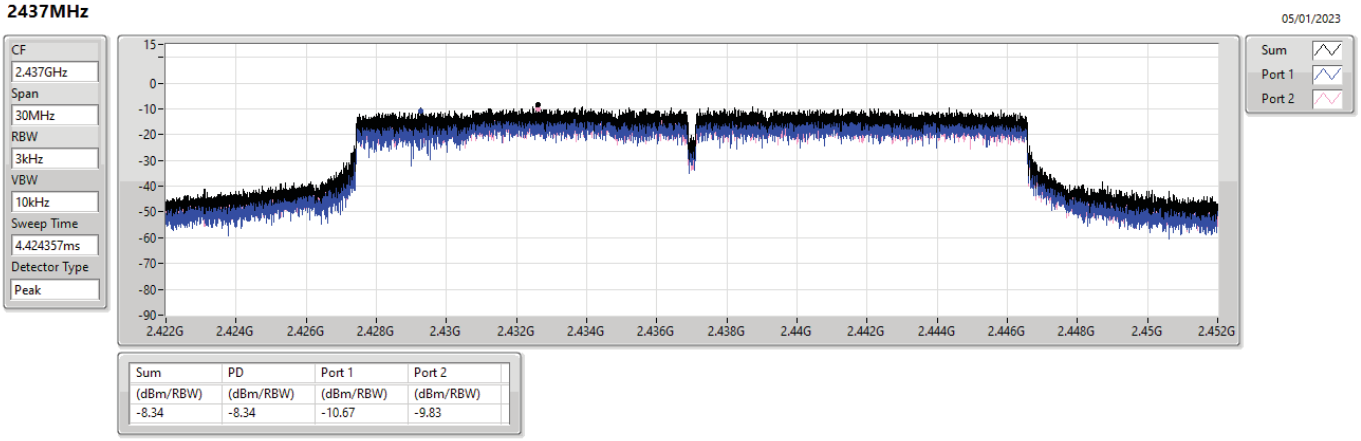
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.31	-7.31	-11.06	-8.70

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

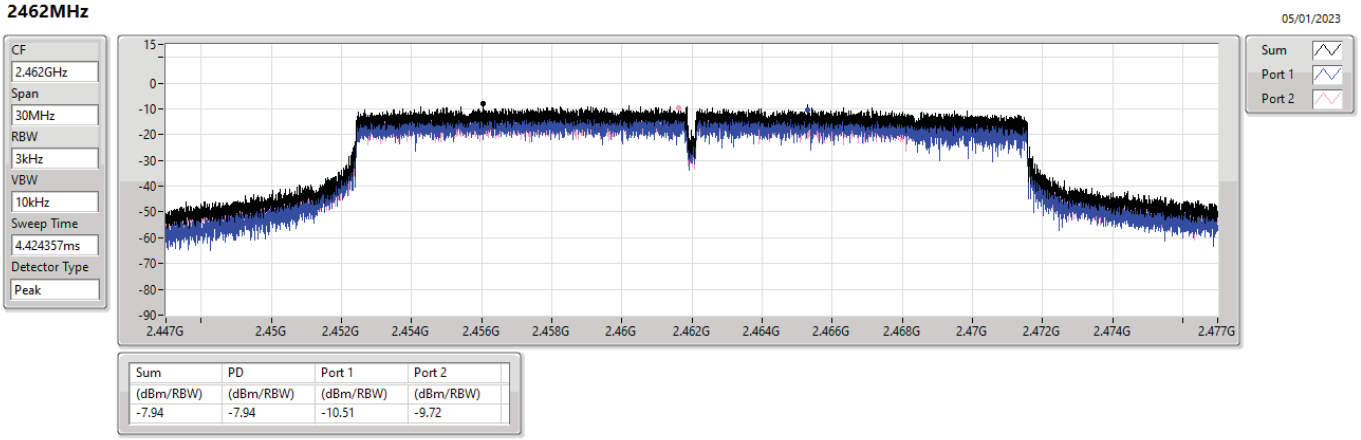
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.34	-8.34	-10.67	-9.83

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

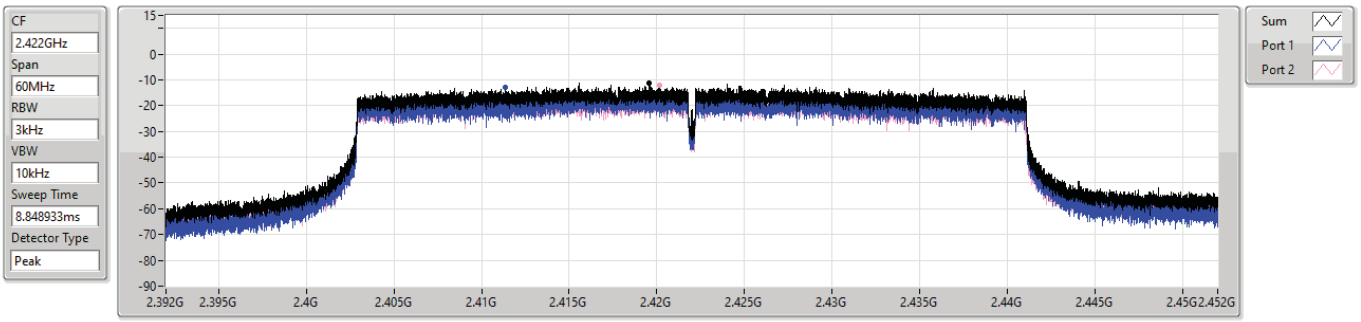
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-10.51	-9.72

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

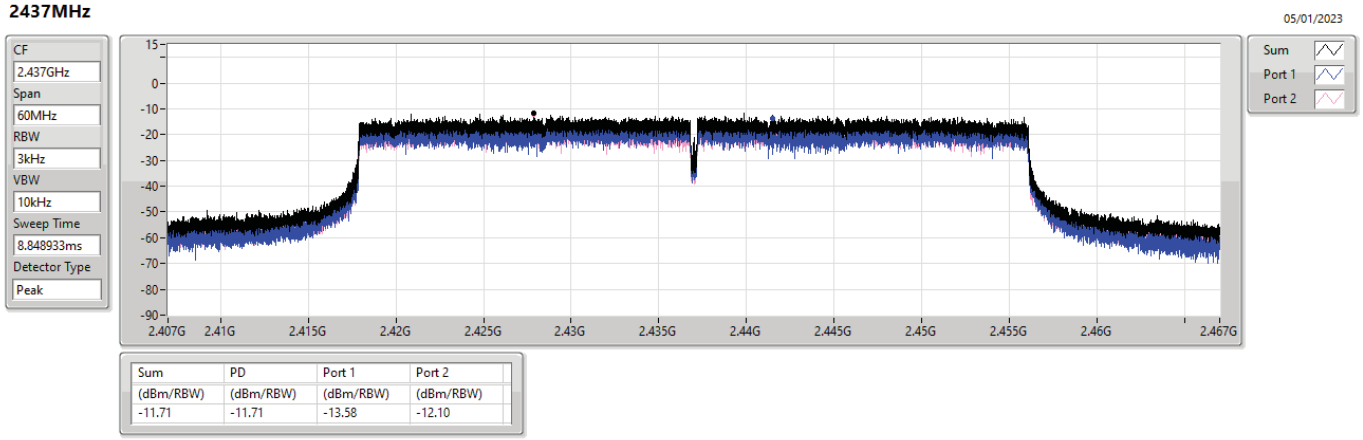
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.34	-11.34	-12.86	-12.03

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

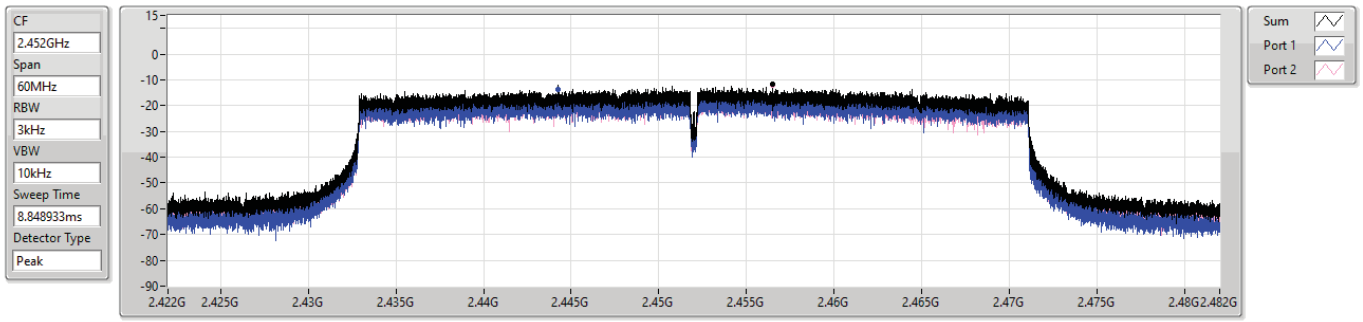
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.71	-11.71	-13.58	-12.10

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

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.52	-11.52	-13.68	-12.14

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-3.79
802.11g_Nss1,(6Mbps)_2TX	-6.77
802.11ax HEW20_Nss1,(MCS0)_2TX	-6.27
802.11ax HEW40_Nss1,(MCS0)_2TX	-11.81

RBW = 3kHz;

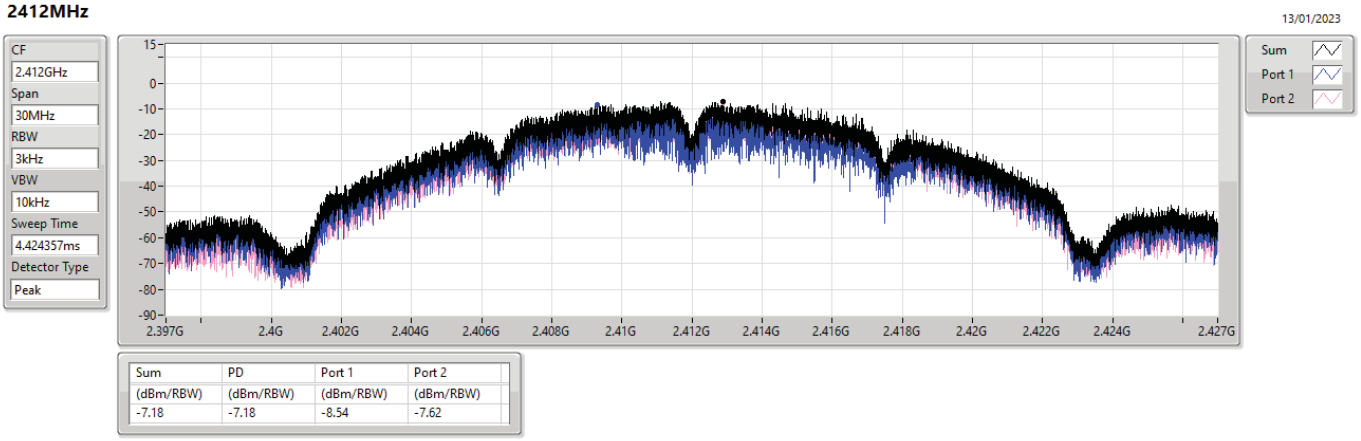
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.66	-8.54	-7.62	-7.18	6.34
2437MHz	Pass	7.66	-6.16	-4.76	-3.79	6.34
2462MHz	Pass	7.66	-7.75	-6.04	-5.52	6.34
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.66	-8.72	-9.30	-7.26	6.34
2437MHz	Pass	7.66	-9.62	-8.65	-6.77	6.34
2462MHz	Pass	7.66	-10.04	-8.94	-6.91	6.34
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.66	-11.38	-11.23	-9.53	6.34
2437MHz	Pass	7.66	-8.49	-7.13	-6.27	6.34
2462MHz	Pass	7.66	-11.32	-12.65	-9.28	6.34
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.66	-14.81	-13.10	-12.10	6.34
2437MHz	Pass	7.66	-13.58	-14.19	-12.37	6.34
2452MHz	Pass	7.66	-14.46	-13.24	-11.81	6.34

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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

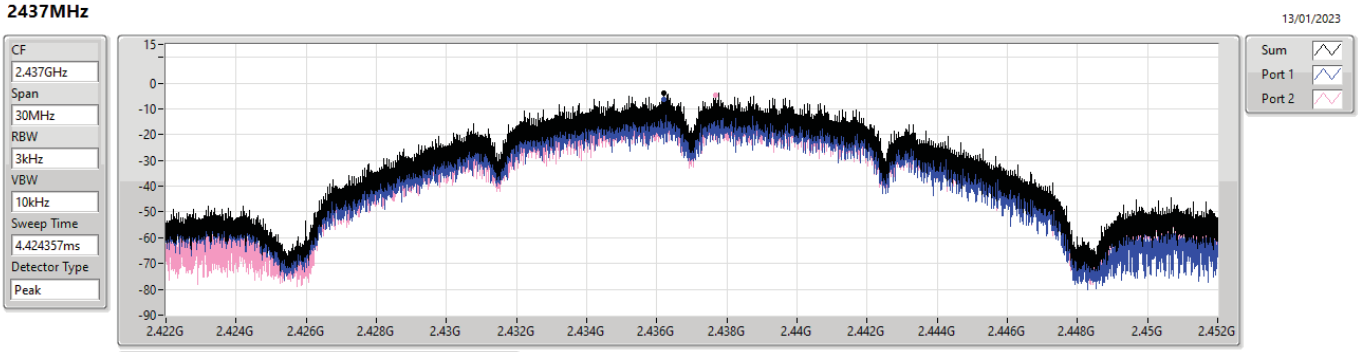
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.18	-7.18	-8.54	-7.62

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

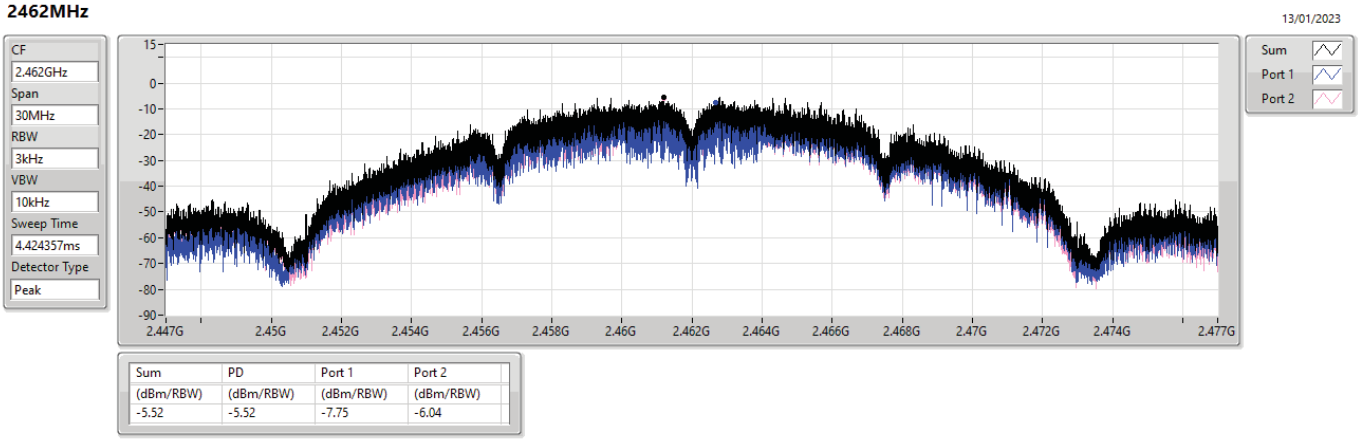
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.79	-3.79	-6.16	-4.76

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

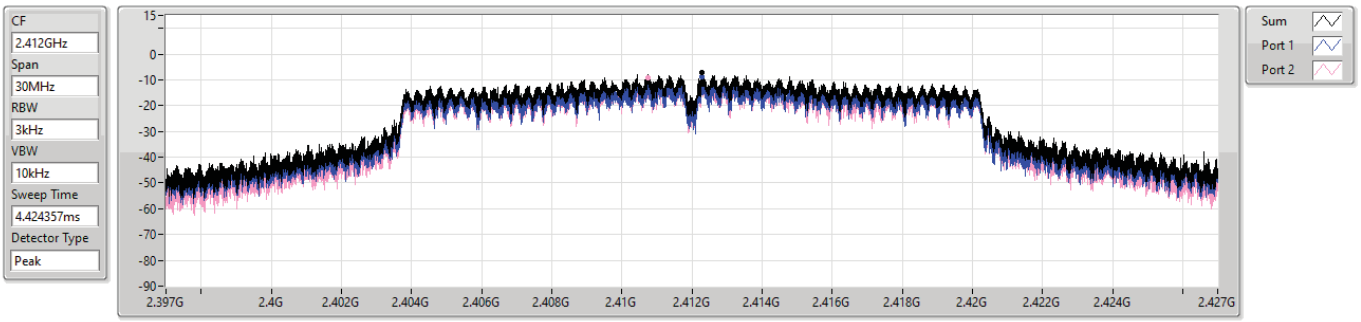
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.52	-5.52	-7.75	-6.04

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

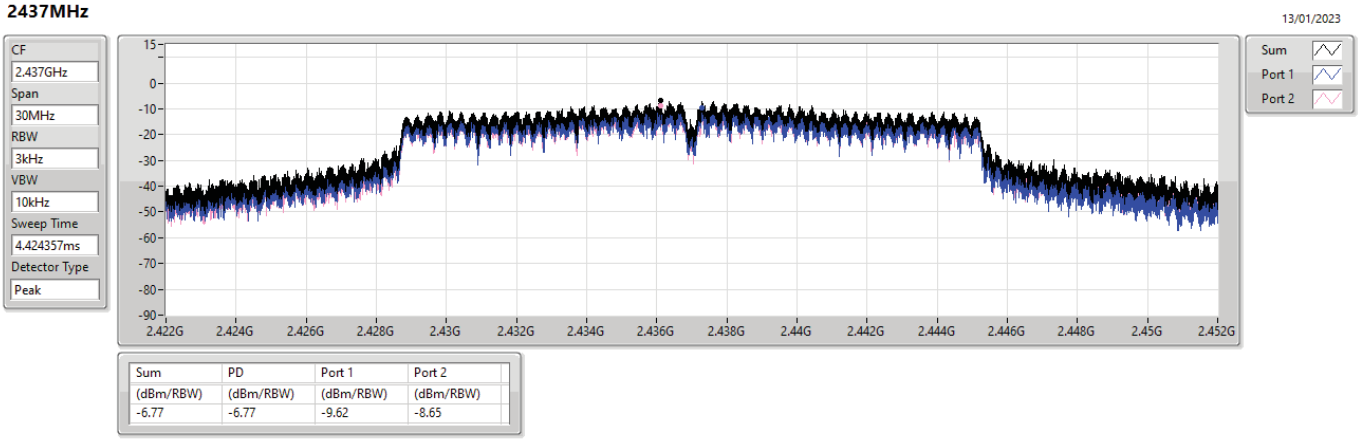
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-8.72	-9.30

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

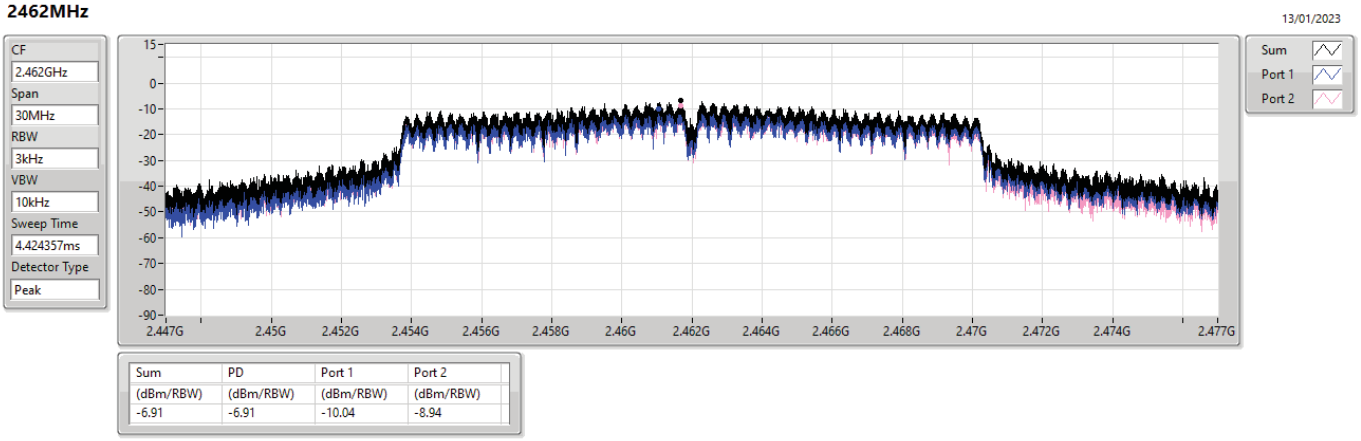
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.77	-6.77	-9.62	-8.65

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

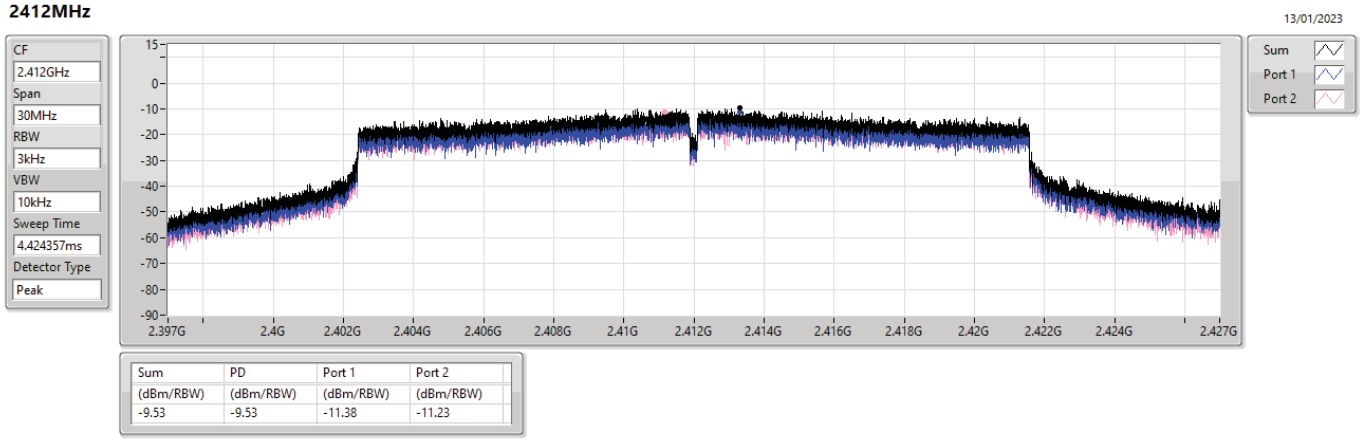
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.91	-6.91	-10.04	-8.94

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

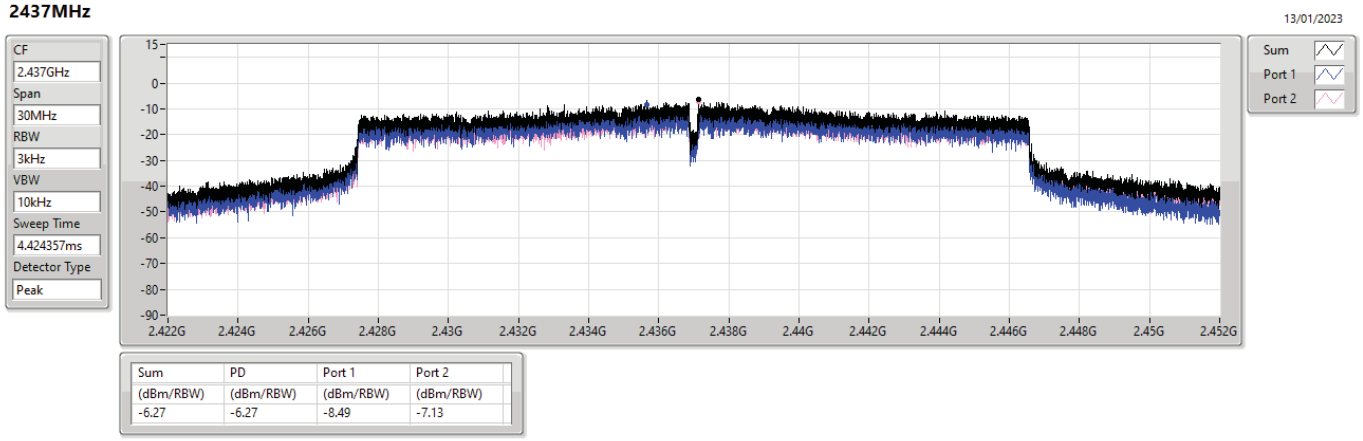
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.53	-9.53	-11.38	-11.23

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

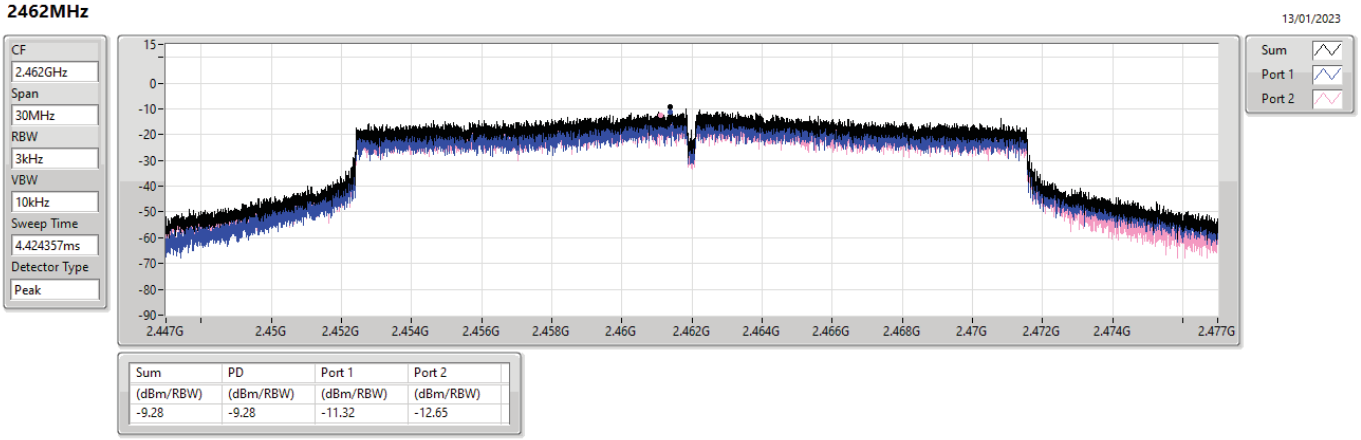
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.27	-6.27	-8.49	-7.13

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

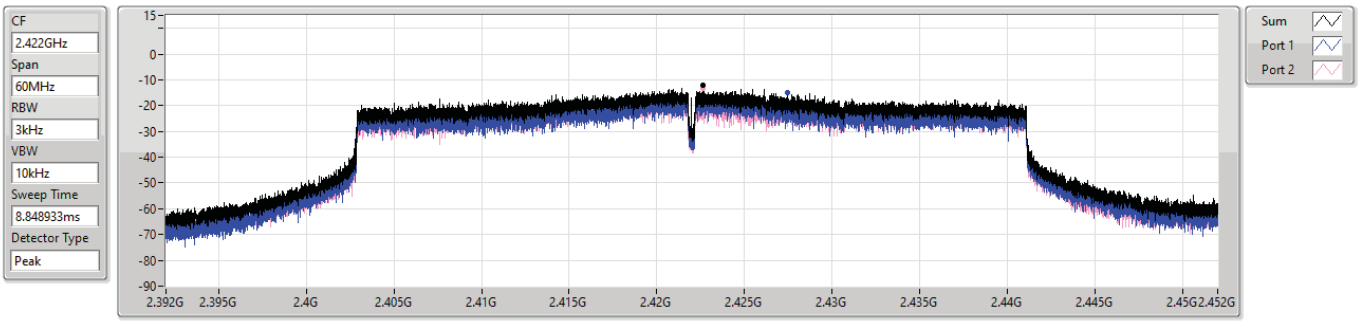
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.28	-9.28	-11.32	-12.65

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

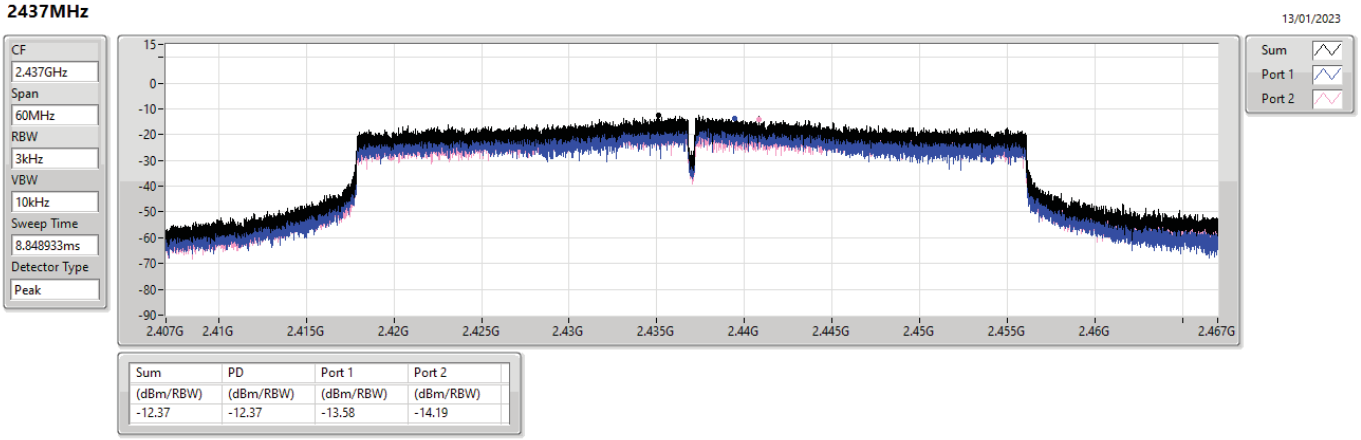
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.10	-12.10	-14.81	-13.10

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

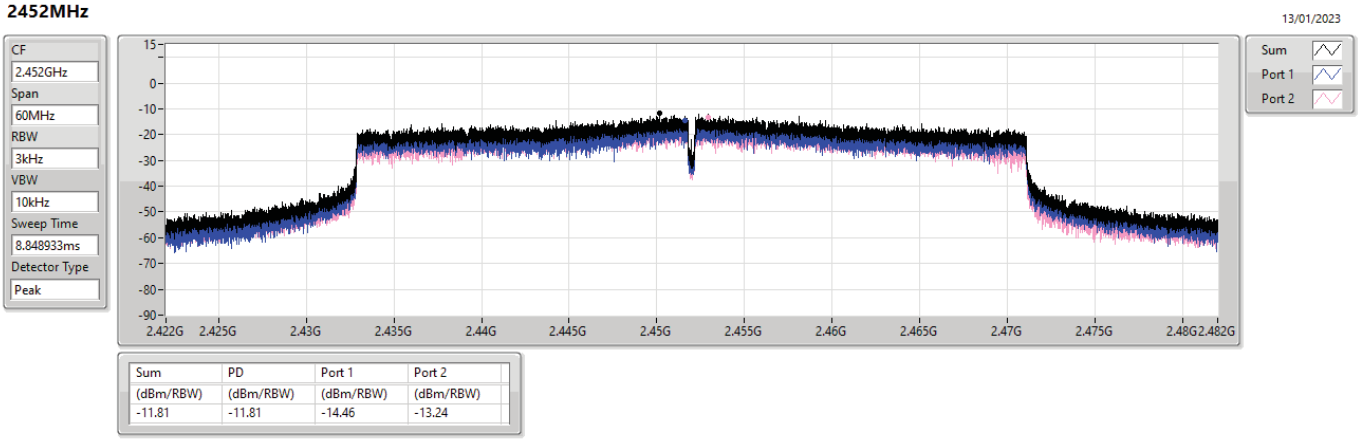
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.37	-12.37	-13.58	-14.19

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

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.81	-11.81	-14.46	-13.24

Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-4.53
802.11g_Nss1,(6Mbps)_2TX	-7.93
802.11ax HEW20_Nss1,(MCS0)_2TX	-7.70
802.11ax HEW40_Nss1,(MCS0)_2TX	-10.16

RBW = 3kHz;

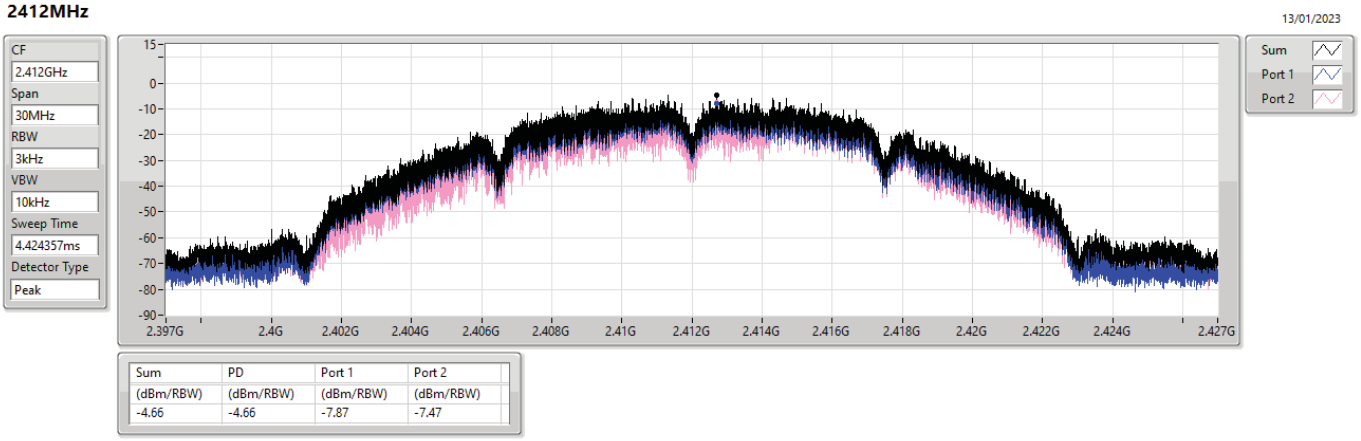
Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.96	-7.87	-7.47	-4.66	6.04
2437MHz	Pass	7.96	-7.68	-7.31	-4.53	6.04
2462MHz	Pass	7.96	-8.39	-6.48	-5.82	6.04
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.96	-9.39	-10.57	-7.93	6.04
2437MHz	Pass	7.96	-10.26	-11.77	-9.11	6.04
2462MHz	Pass	7.96	-10.60	-11.08	-8.84	6.04
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.96	-10.17	-8.48	-7.70	6.04
2437MHz	Pass	7.96	-10.98	-9.34	-8.18	6.04
2462MHz	Pass	7.96	-9.81	-9.13	-7.97	6.04
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.96	-13.44	-12.88	-10.64	6.04
2437MHz	Pass	7.96	-13.10	-11.26	-10.16	6.04
2452MHz	Pass	7.96	-12.78	-12.33	-11.07	6.04

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;

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

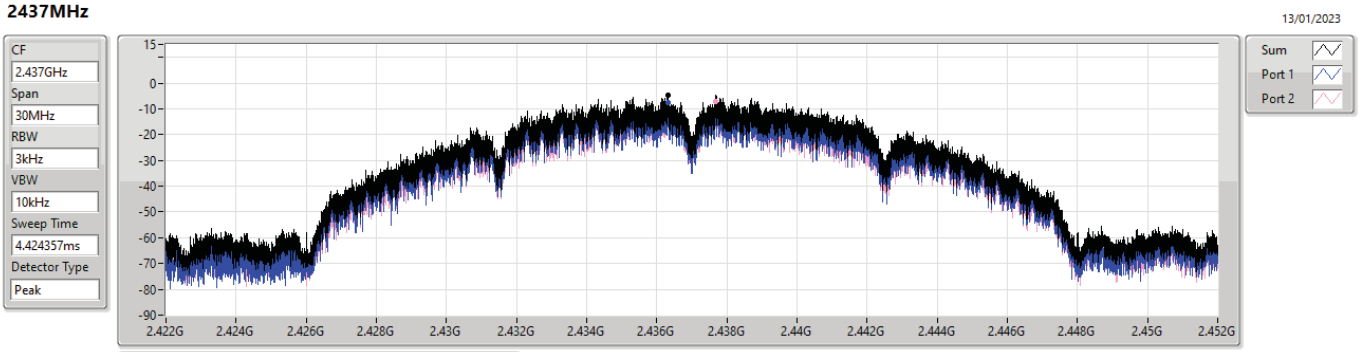
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.66	-4.66	-7.87	-7.47

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

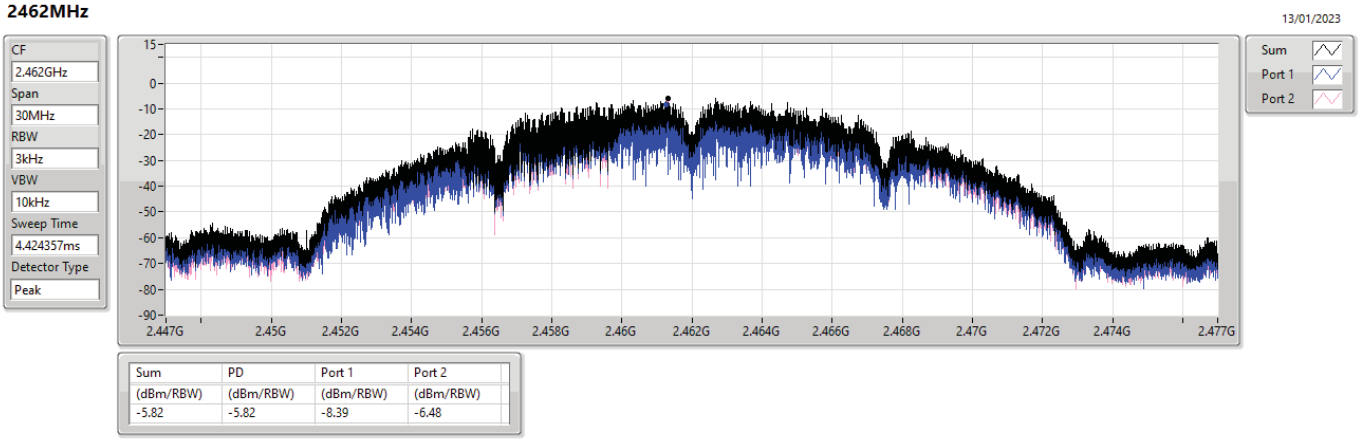
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.53	-4.53	-7.68	-7.31

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX **PSD**

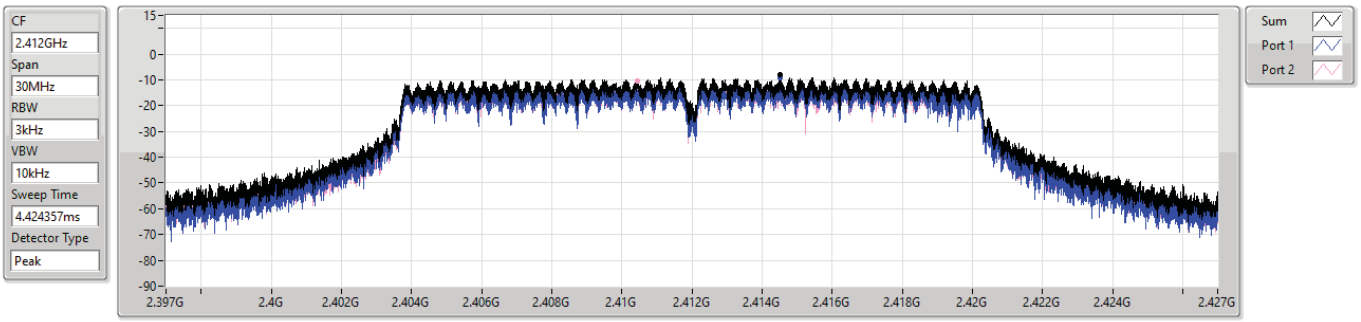
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.82	-5.82	-8.39	-6.48

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

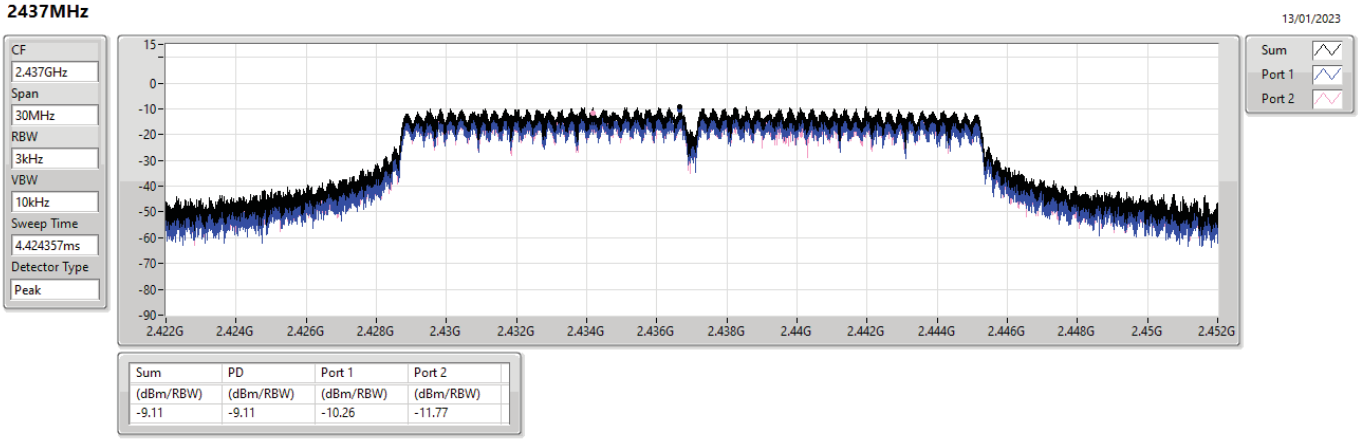
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.93	-7.93	-9.39	-10.57

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

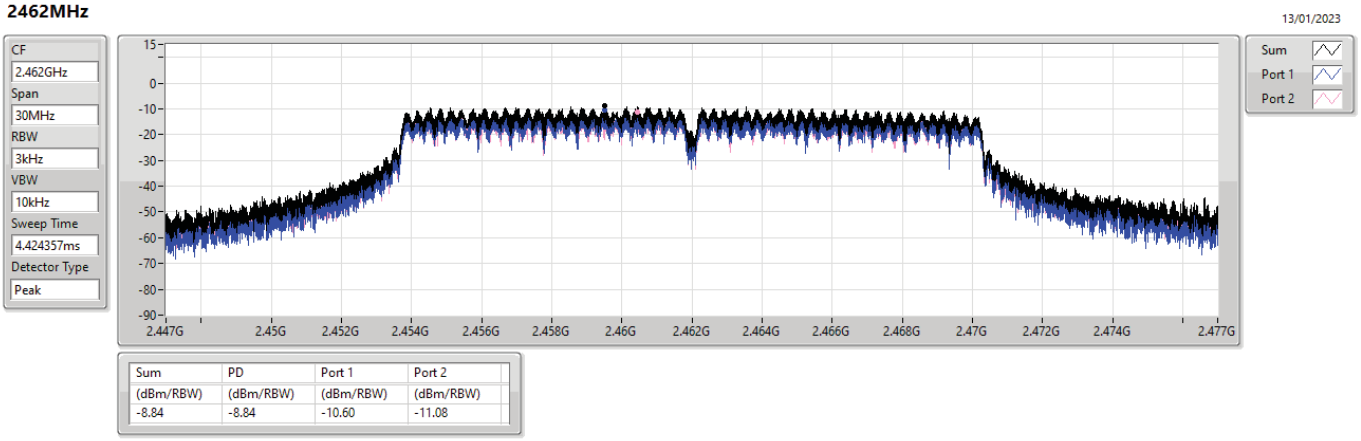
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.11	-9.11	-10.26	-11.77

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX **PSD**

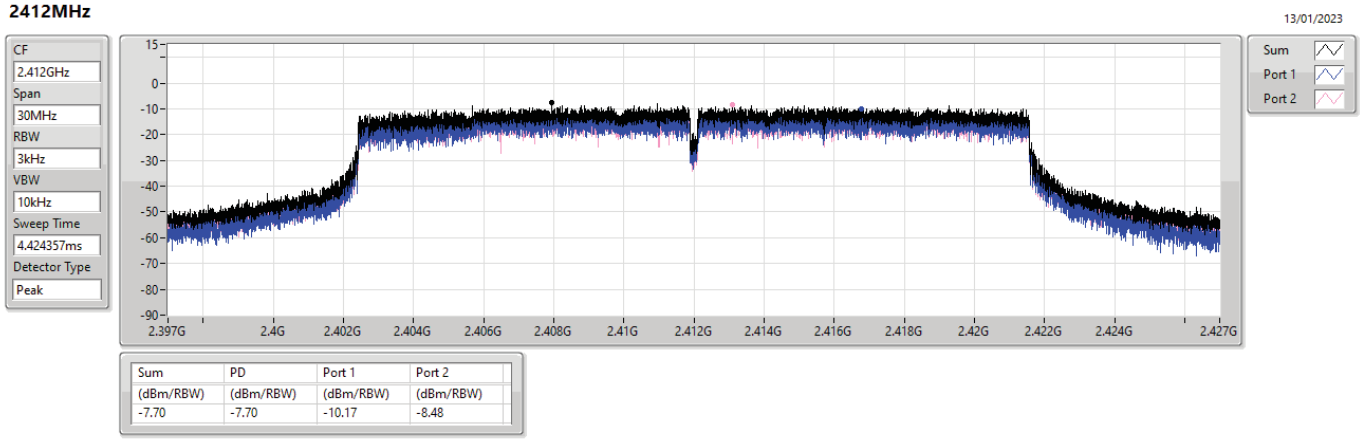
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.84	-8.84	-10.60	-11.08

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

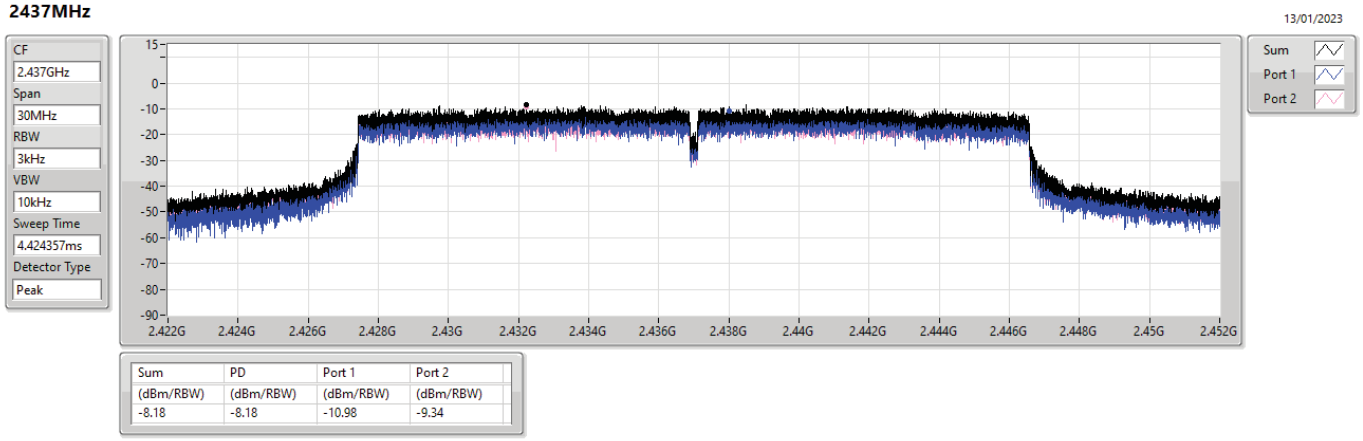
2412MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.70	-7.70	-10.17	-8.48

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

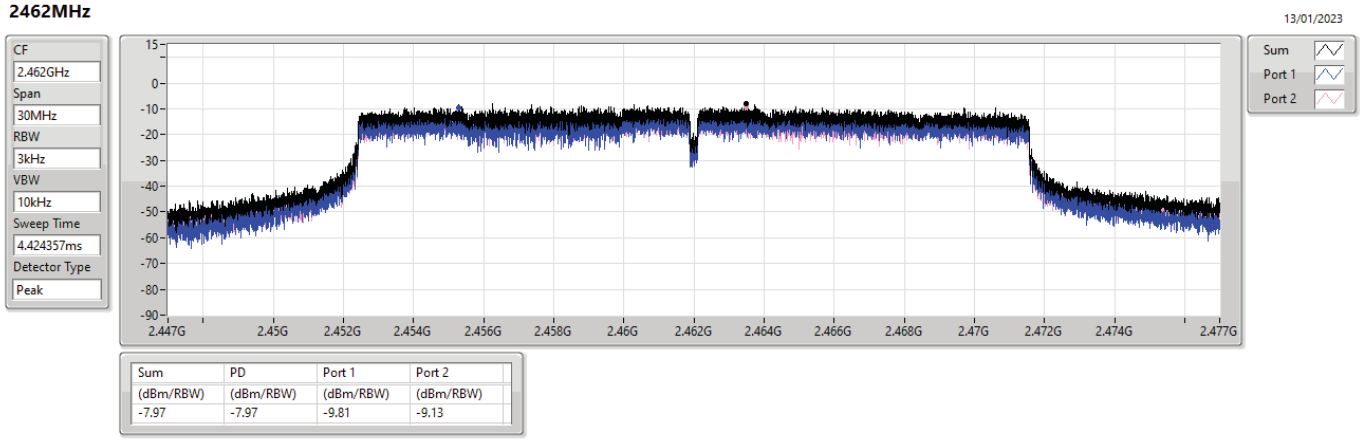
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.18	-8.18	-10.98	-9.34

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

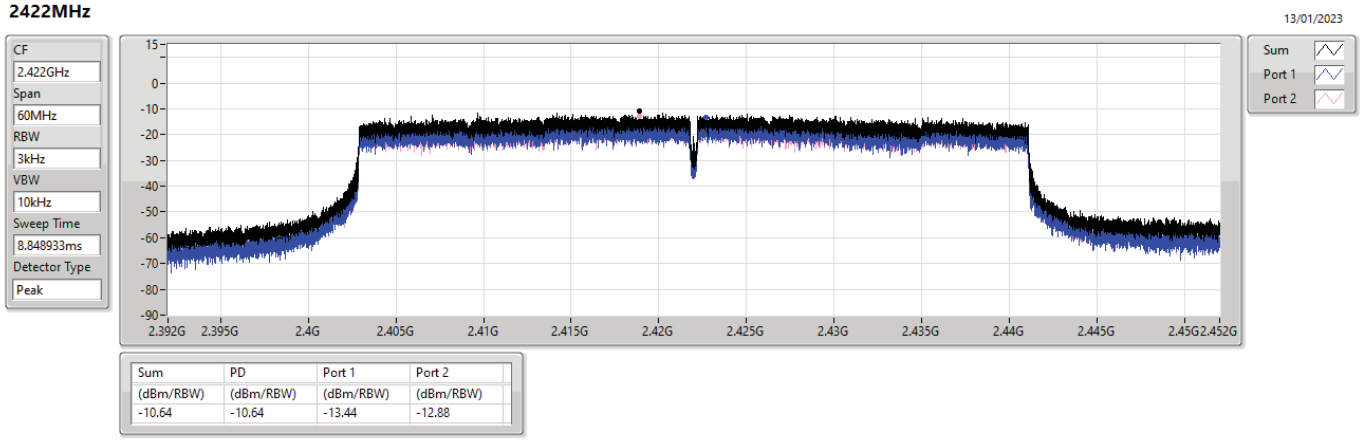
2462MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.97	-7.97	-9.81	-9.13

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

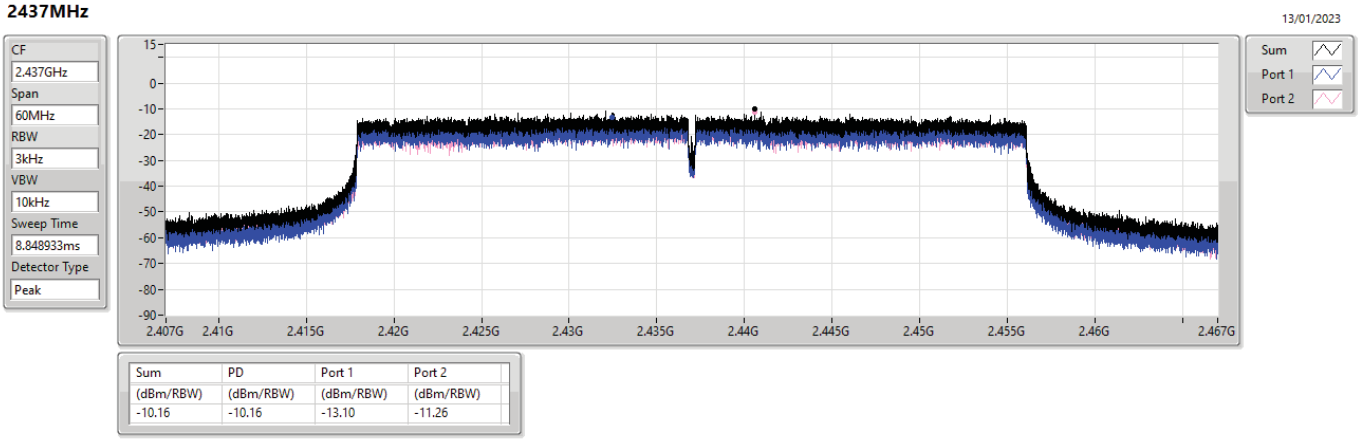
2422MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.64	-10.64	-13.44	-12.88

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

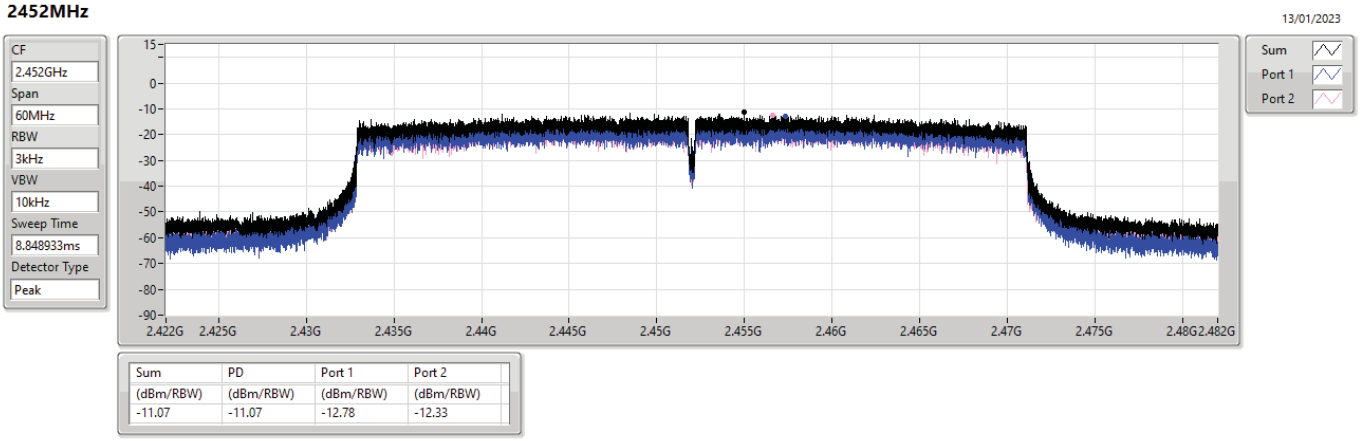
2437MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.16	-10.16	-13.10	-11.26

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

2452MHz



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.07	-11.07	-12.78	-12.33

Summary

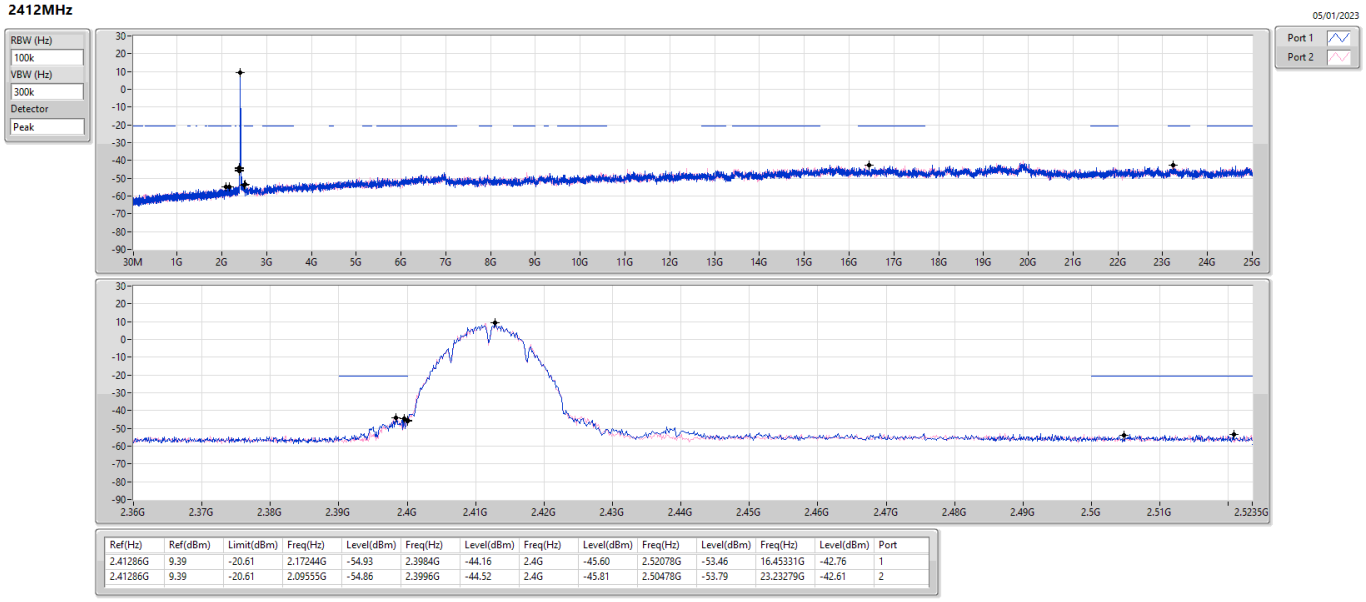
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41286G	9.39	-20.61	2.17244G	-54.93	2.3984G	-44.16	2.4G	-45.60	2.52078G	-53.46	16.45331G	-42.76	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43824G	7.87	-22.13	2.12933G	-55.21	2.4G	-33.96	2.4G	-31.39	2.51942G	-52.11	24.91571G	-42.79	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	7.65	-22.35	2.06409G	-55.94	2.39968G	-30.95	2.4G	-31.80	2.51526G	-53.38	24.88762G	-42.81	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4319G	3.18	-26.82	2.30283G	-55.35	2.39952G	-35.25	2.4G	-34.24	2.5003G	-53.49	15.08587G	-42.80	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41286G	9.39	-20.61	2.17244G	-54.93	2.3984G	-44.16	2.4G	-45.60	2.52078G	-53.46	16.45331G	-42.76	1
2412MHz	Pass	2.41286G	9.39	-20.61	2.09555G	-54.86	2.3996G	-44.52	2.4G	-45.81	2.50478G	-53.79	23.23279G	-42.61	2
2437MHz	Pass	2.41286G	9.39	-20.61	2.1072G	-54.97	2.394G	-53.67	2.4G	-56.98	2.50022G	-52.68	14.75353G	-41.88	1
2437MHz	Pass	2.41286G	9.39	-20.61	2.0839G	-55.85	2.3956G	-53.26	2.4G	-56.53	2.50222G	-53.80	24.94943G	-43.10	2
2462MHz	Pass	2.41286G	9.39	-20.61	2.12001G	-55.58	2.39792G	-53.63	2.4G	-54.54	2.51254G	-53.55	16.33812G	-43.50	1
2462MHz	Pass	2.41286G	9.39	-20.61	2.09788G	-55.27	2.3992G	-54.49	2.4G	-55.85	2.5203G	-52.27	24.89605G	-42.22	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	7.87	-22.13	2.15263G	-55.47	2.4G	-33.53	2.4G	-31.82	2.51406G	-53.10	16.71179G	-41.80	1
2412MHz	Pass	2.43824G	7.87	-22.13	2.12933G	-55.21	2.4G	-33.96	2.4G	-31.39	2.51942G	-52.11	24.91571G	-42.79	2
2437MHz	Pass	2.43824G	7.87	-22.13	2.16894G	-55.40	2.39952G	-53.47	2.4G	-53.01	2.50798G	-53.61	23.30021G	-42.61	1
2437MHz	Pass	2.43824G	7.87	-22.13	1.99536G	-55.77	2.39936G	-51.93	2.4G	-53.09	2.5127G	-53.01	16.42522G	-43.02	2
2462MHz	Pass	2.43824G	7.87	-22.13	1.98021G	-55.21	2.3924G	-54.00	2.4G	-54.78	2.51166G	-53.00	15.07101G	-42.36	1
2462MHz	Pass	2.43824G	7.87	-22.13	2.15846G	-53.98	2.39912G	-54.69	2.4G	-56.59	2.50702G	-53.28	23.31707G	-43.20	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	7.65	-22.35	2.06409G	-55.94	2.39968G	-30.95	2.4G	-31.80	2.51526G	-53.38	24.88762G	-42.81	1
2412MHz	Pass	2.43824G	7.65	-22.35	1.98953G	-54.44	2.39992G	-32.39	2.4G	-31.49	2.51902G	-53.94	14.95019G	-42.73	2
2437MHz	Pass	2.43824G	7.65	-22.35	1.9907G	-55.80	2.39616G	-53.40	2.4G	-53.84	2.51158G	-53.36	23.20469G	-43.73	1
2437MHz	Pass	2.43824G	7.65	-22.35	2.16195G	-54.54	2.39512G	-52.48	2.4G	-54.15	2.52254G	-53.58	15.05977G	-42.26	2
2462MHz	Pass	2.43824G	7.65	-22.35	2.06176G	-55.79	2.39568G	-54.40	2.4G	-56.54	2.51214G	-52.91	15.0682G	-42.76	1
2462MHz	Pass	2.43824G	7.65	-22.35	1.99536G	-55.03	2.39392G	-54.30	2.4G	-56.07	2.5155G	-53.33	21.96005G	-43.13	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	3.18	-26.82	1.84368G	-55.34	2.39984G	-36.06	2.4G	-35.90	2.51646G	-53.95	16.96773G	-42.81	1
2422MHz	Pass	2.4319G	3.18	-26.82	2.30283G	-55.35	2.39952G	-35.25	2.4G	-34.24	2.5003G	-53.49	15.08587G	-42.80	2
2437MHz	Pass	2.4319G	3.18	-26.82	2.14711G	-55.13	2.3992G	-41.09	2.4G	-44.10	2.52142G	-53.63	23.54724G	-42.59	1
2437MHz	Pass	2.4319G	3.18	-26.82	1.85055G	-55.23	2.39968G	-42.32	2.4G	-46.90	2.50782G	-53.02	16.56949G	-42.84	2
2452MHz	Pass	2.4319G	3.18	-26.82	1.89635G	-55.33	2.39632G	-54.64	2.4G	-53.45	2.5403G	-53.27	16.94249G	-43.10	1
2452MHz	Pass	2.4319G	3.18	-26.82	2.14482G	-55.40	2.39536G	-54.89	2.4G	-56.72	2.5427G	-53.86	15.08868G	-43.17	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

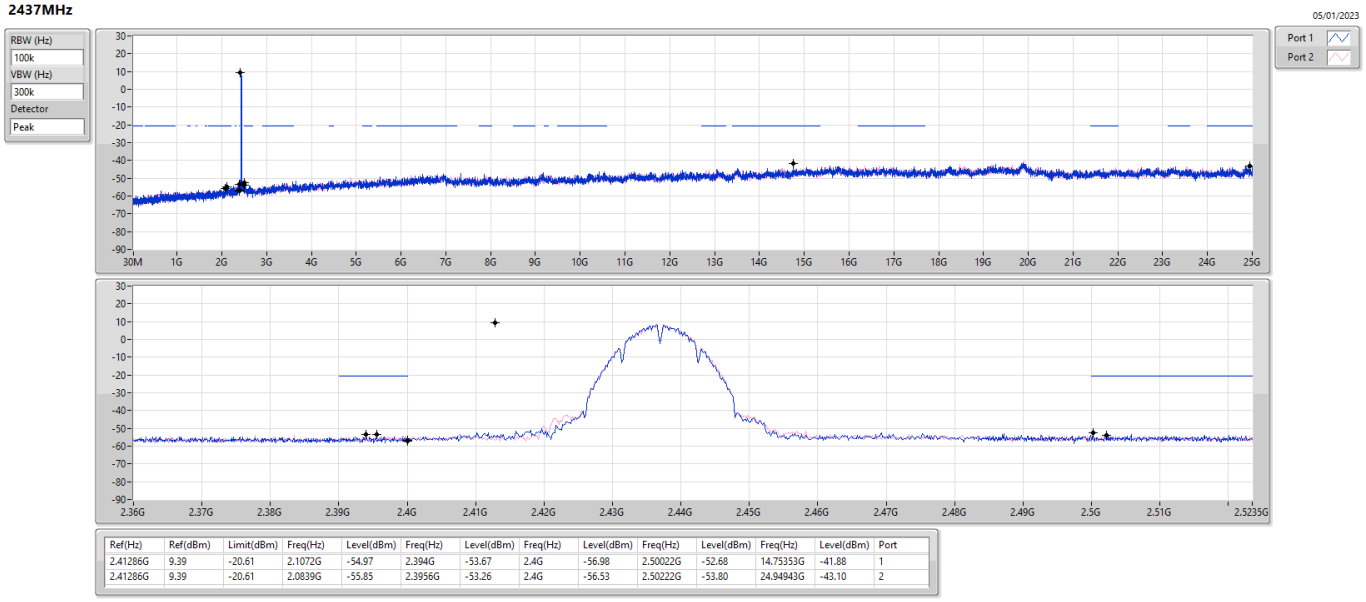
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.39	-20.61	2.17244G	-54.93	2.3984G	-44.16	2.4G	-45.60	2.52078G	-53.46	16.45331G	-42.76	1
2.41286G	9.39	-20.61	2.09555G	-54.86	2.3996G	-44.52	2.4G	-45.81	2.50478G	-53.79	23.23279G	-42.61	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

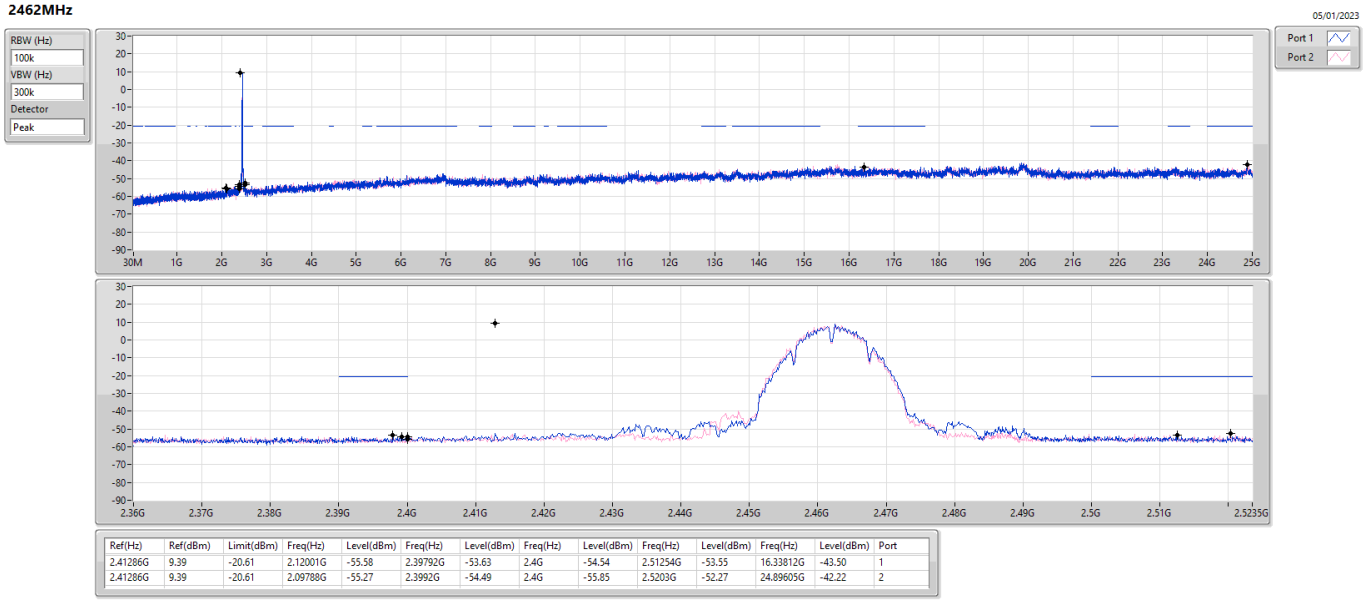
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.39	-20.61	2.1072G	-54.97	2.394G	-53.67	2.4G	-56.98	2.50022G	-52.68	14.75353G	-41.88	1
2.41286G	9.39	-20.61	2.0839G	-55.85	2.3956G	-53.26	2.4G	-56.53	2.50222G	-53.80	24.94943G	-43.10	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

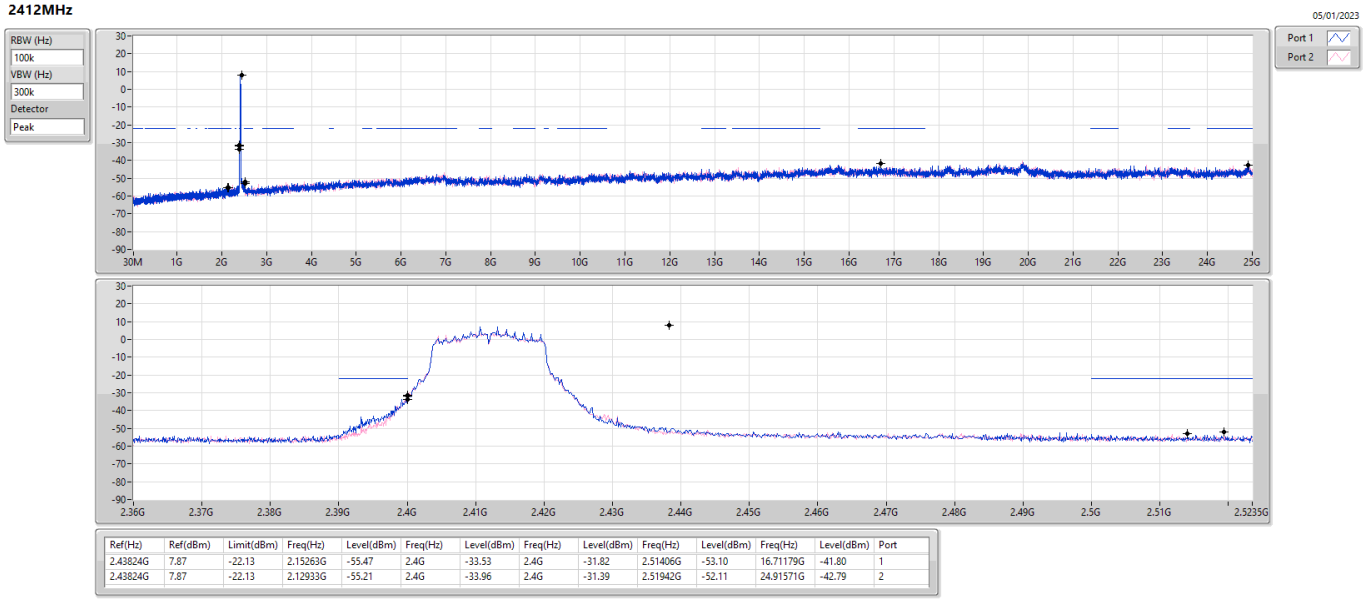
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.39	-20.61	2.12001G	-55.58	2.39792G	-53.63	2.4G	-54.54	2.51254G	-53.55	16.33812G	-43.50	1
2.41286G	9.39	-20.61	2.09788G	-55.27	2.3992G	-54.49	2.4G	-55.85	2.5203G	-52.27	24.89605G	-42.22	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

2412MHz

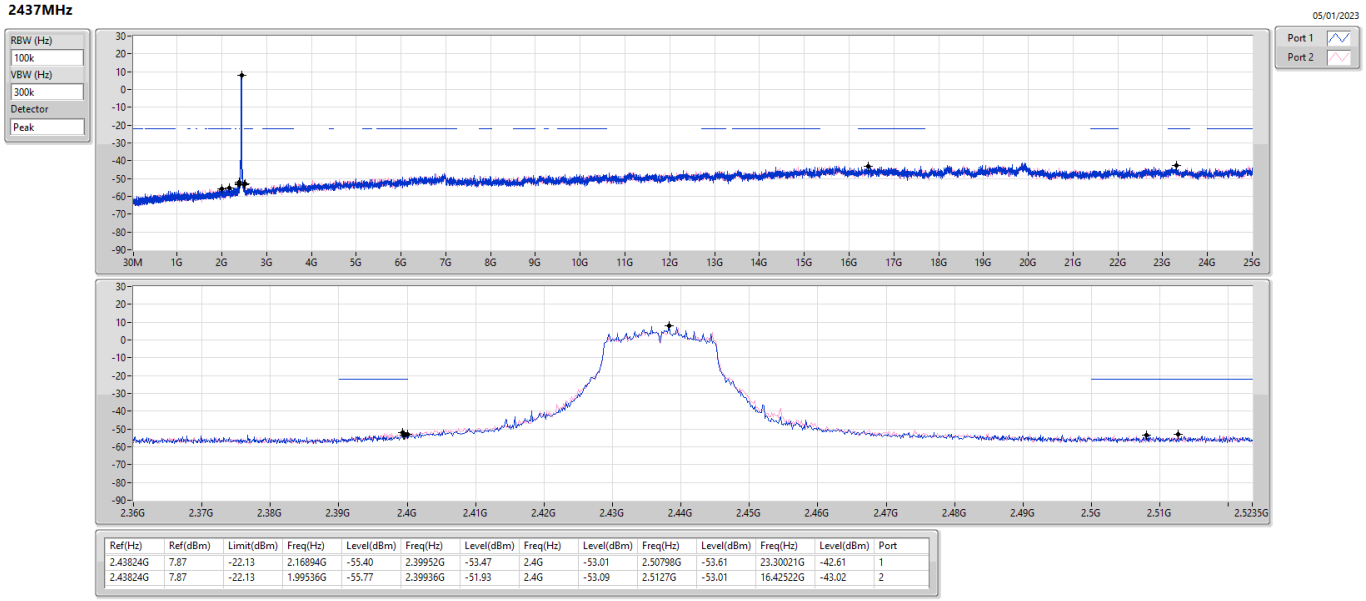


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.87	-22.13	2.15263G	-55.47	2.4G	-33.53	2.4G	-31.82	2.51406G	-53.10	16.71179G	-41.80	1
2.43824G	7.87	-22.13	2.12933G	-55.21	2.4G	-33.96	2.4G	-31.39	2.51942G	-52.11	24.91571G	-42.79	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSENdB

2437MHz

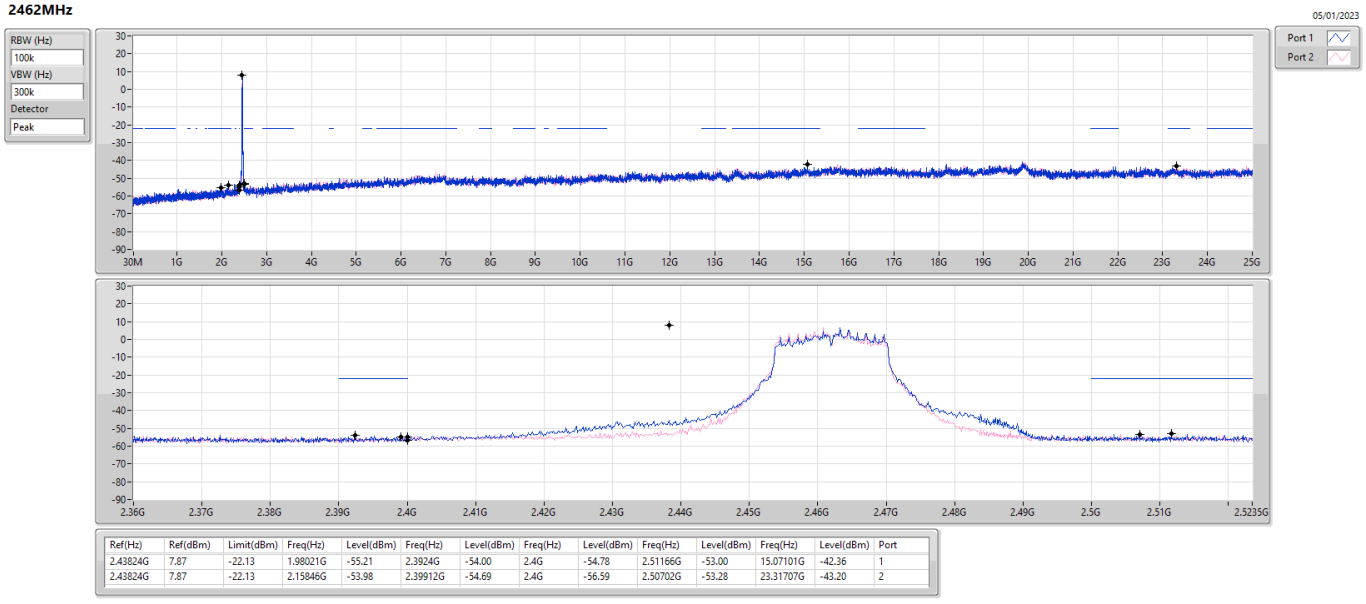


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.87	-22.13	2.16894G	-55.40	2.39952G	-53.47	2.4G	-53.01	2.50798G	-53.61	23.30021G	-42.61	1
2.43824G	7.87	-22.13	1.99536G	-55.77	2.39936G	-51.93	2.4G	-53.09	2.5127G	-53.01	16.42522G	-43.02	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSENdB

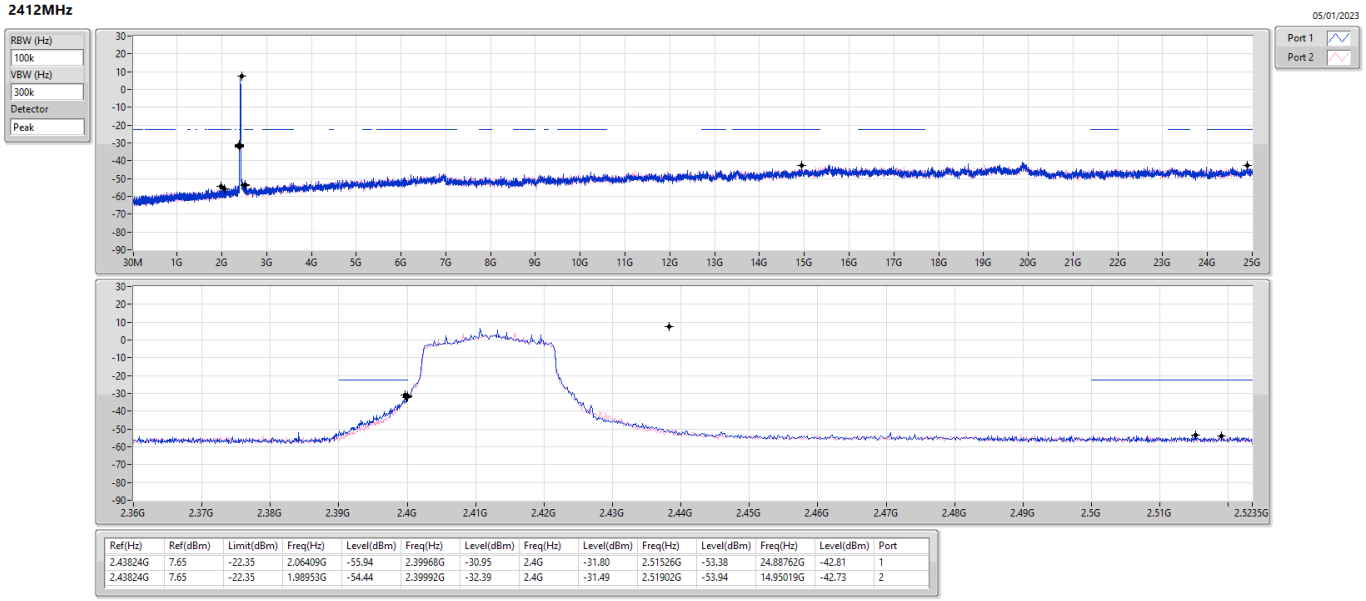
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.87	-22.13	1.98021G	-55.21	2.3924G	-54.00	2.4G	-54.78	2.51166G	-53.00	15.07101G	-42.36	1
2.43824G	7.87	-22.13	2.15846G	-53.98	2.39912G	-54.69	2.4G	-56.59	2.50702G	-53.28	23.31707G	-43.20	2

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

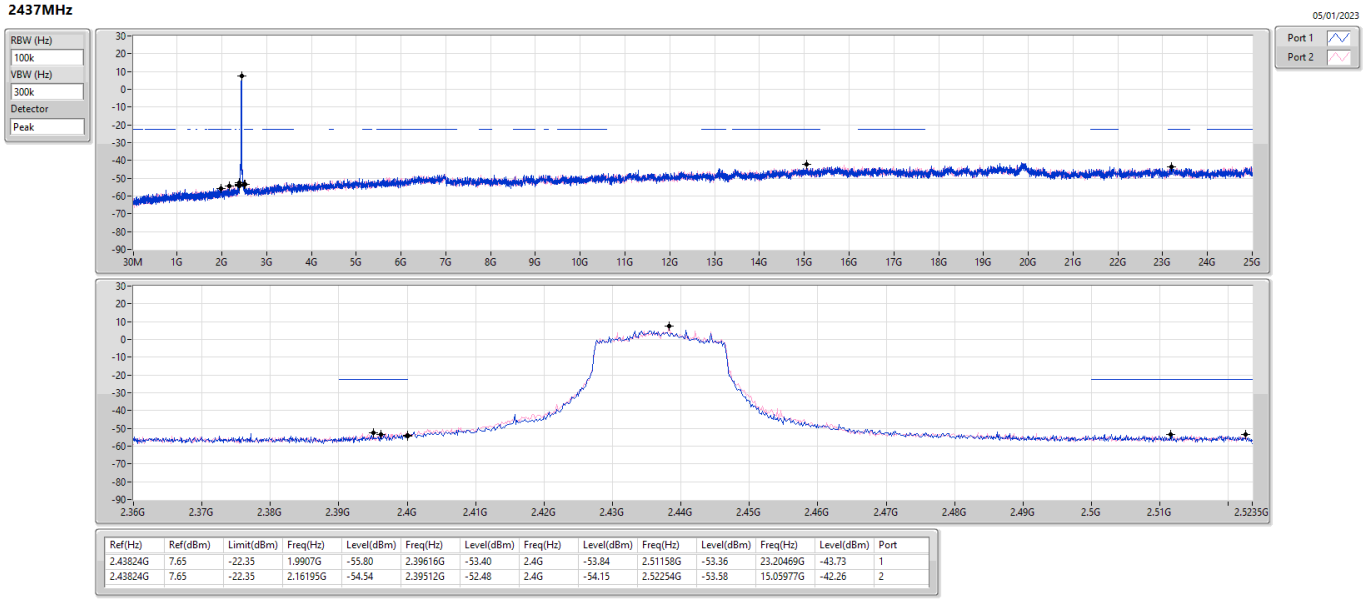
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.65	-22.35	2.06409G	-55.94	2.39968G	-30.95	2.4G	-31.80	2.51526G	-53.38	24.88762G	-42.81	1
2.43824G	7.65	-22.35	1.98953G	-54.44	2.39992G	-32.39	2.4G	-31.49	2.51902G	-53.94	14.95019G	-42.73	2

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

2437MHz

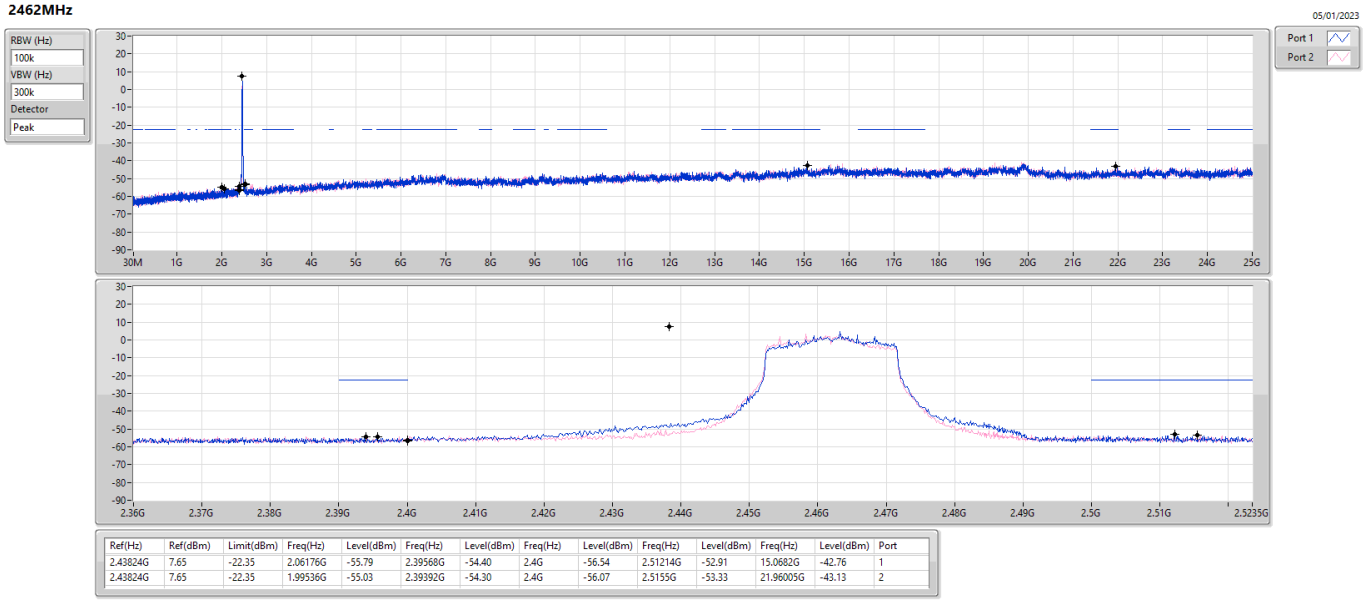


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.65	-22.35	1.9907G	-55.80	2.39616G	-53.40	2.4G	-53.84	2.51158G	-53.36	23.20469G	-43.73	1
2.43824G	7.65	-22.35	2.16195G	-54.54	2.39512G	-52.48	2.4G	-54.15	2.52254G	-53.58	15.05977G	-42.26	2

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

CSENdB

2462MHz

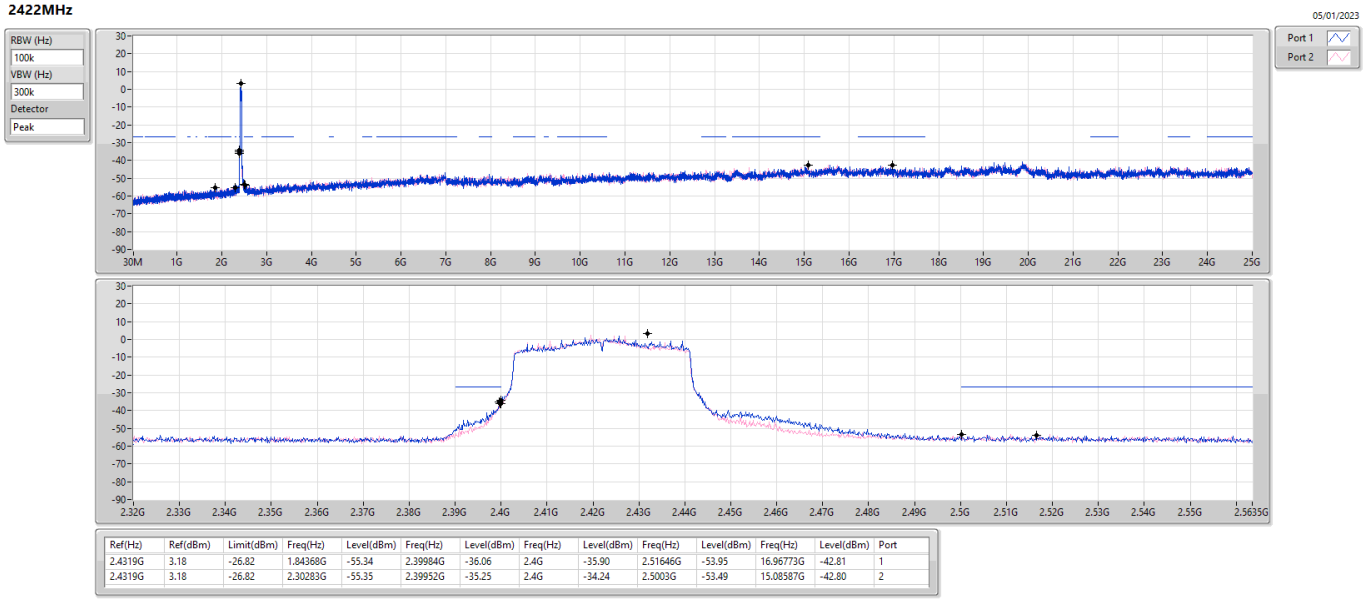


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43824G	7.65	-22.35	2.06176G	-55.79	2.39568G	-54.40	2.4G	-56.54	2.51214G	-52.91	15.0682G	-42.76	1
2.43824G	7.65	-22.35	1.99536G	-55.03	2.39392G	-54.30	2.4G	-56.07	2.5155G	-53.33	21.96005G	-43.13	2

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

CSENdB

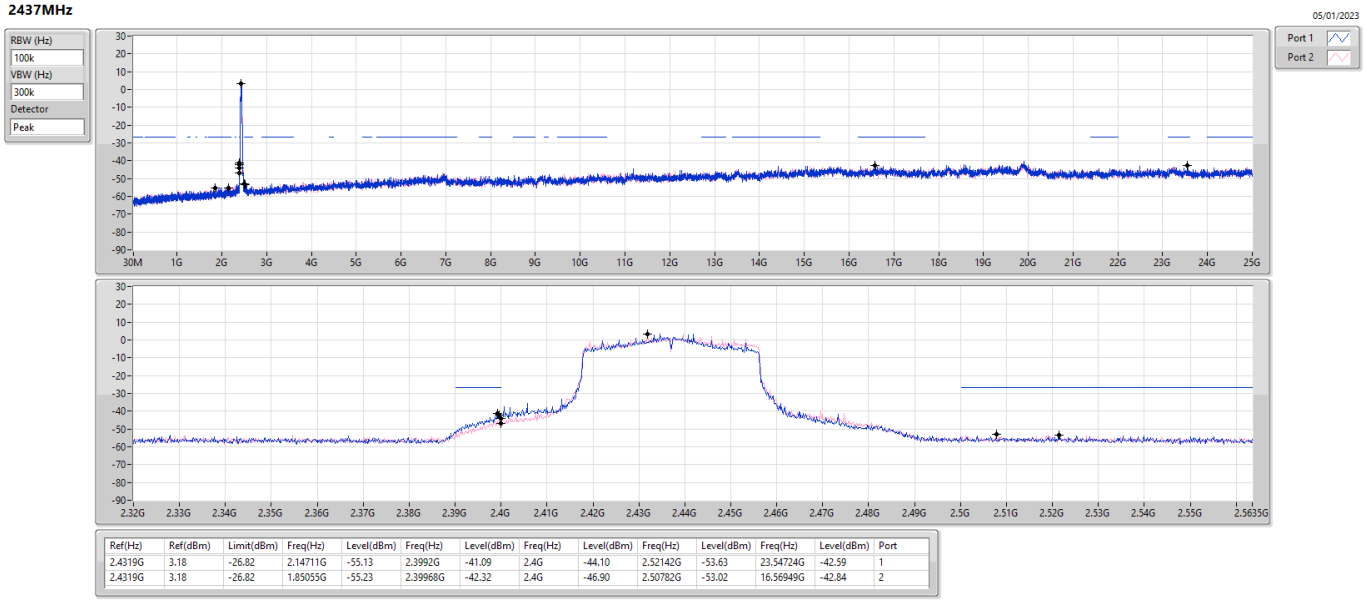
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	3.18	-26.82	1.84368G	-55.34	2.39984G	-36.06	2.4G	-35.90	2.51646G	-53.95	16.96773G	-42.81	1
2.4319G	3.18	-26.82	2.30283G	-55.35	2.39952G	-35.25	2.4G	-34.24	2.5003G	-53.49	15.08587G	-42.80	2

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

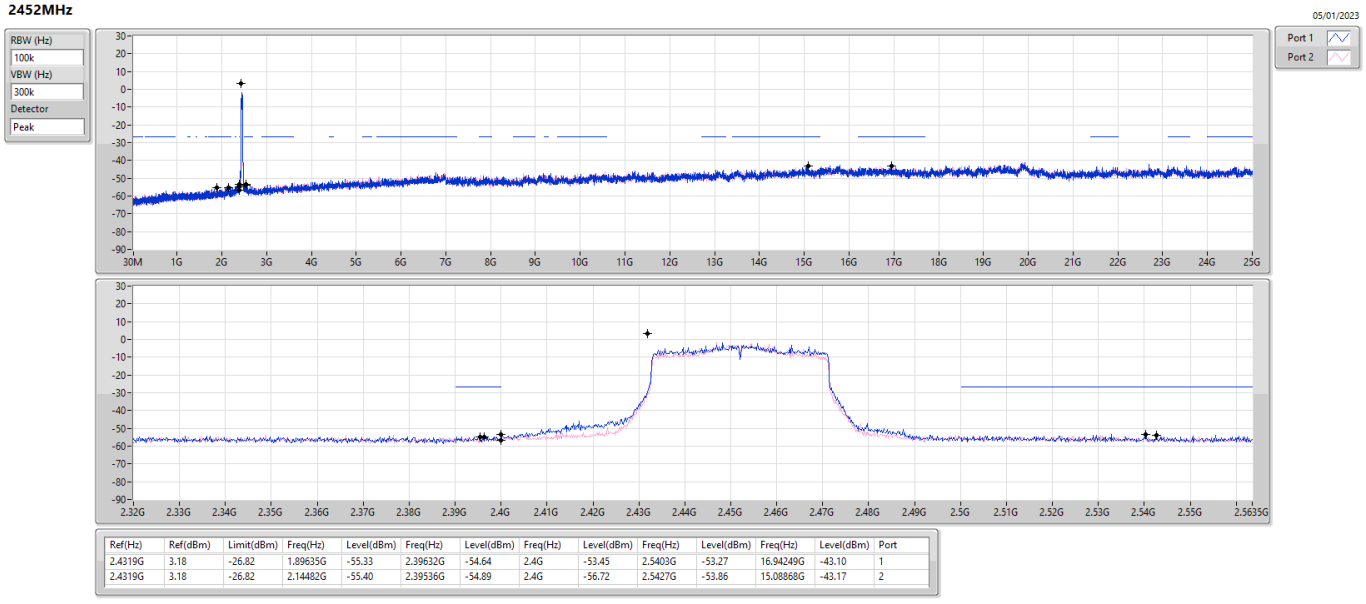
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	3.18	-26.82	2.14711G	-55.13	2.3992G	-41.09	2.4G	-44.10	2.52142G	-53.63	23.54724G	-42.59	1
2.4319G	3.18	-26.82	1.85055G	-55.23	2.39968G	-42.32	2.4G	-46.90	2.50782G	-53.02	16.56949G	-42.84	2

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

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.4319G	3.18	-26.82	1.89635G	-55.33	2.39632G	-54.64	2.4G	-53.45	2.5403G	-53.27	16.94249G	-43.10	1
2.4319G	3.18	-26.82	2.14482G	-55.40	2.39536G	-54.89	2.4G	-56.72	2.5427G	-53.86	15.08868G	-43.17	2

Summary

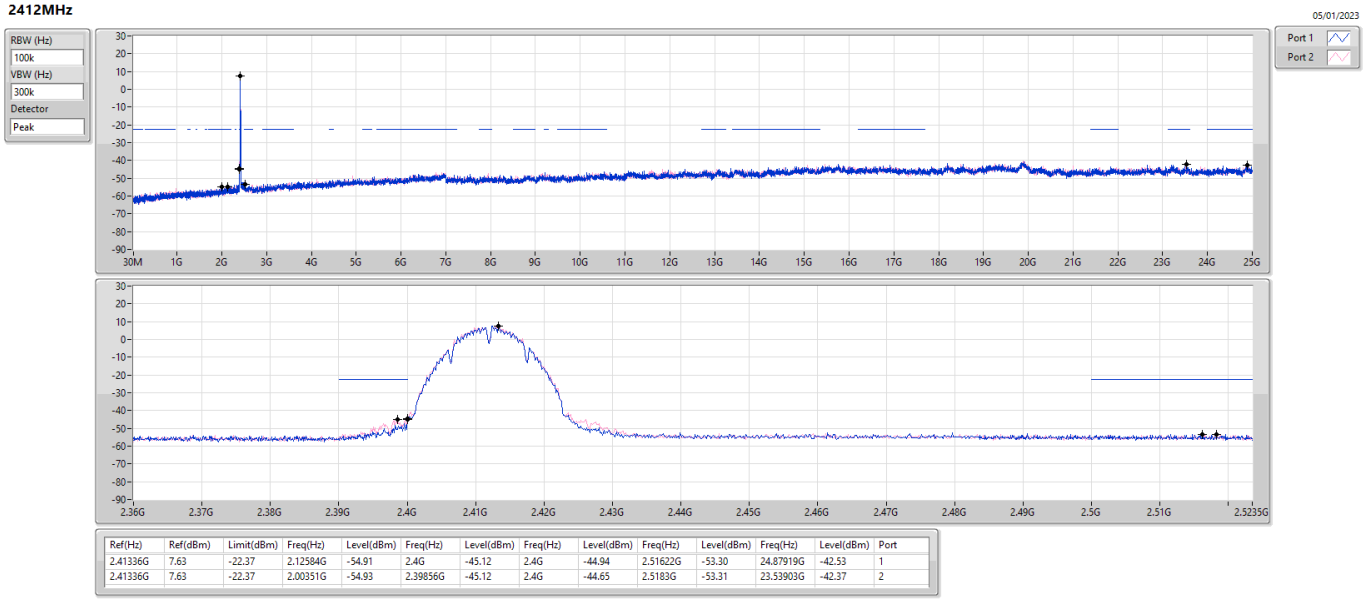
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41336G	7.63	-22.37	2.00351G	-54.93	2.39856G	-45.12	2.4G	-44.65	2.5183G	-53.31	23.53903G	-42.37	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.45695G	5.91	-24.09	2.18059G	-55.16	2.39992G	-32.29	2.4G	-30.77	2.52006G	-53.66	16.73989G	-41.91	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.45711G	5.50	-24.50	2.1072G	-55.20	2.39968G	-30.68	2.4G	-31.30	2.51502G	-53.14	24.86233G	-41.92	2
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.43206G	2.26	-27.74	2.30512G	-55.21	2.4G	-38.05	2.4G	-36.57	2.5283G	-52.64	16.38999G	-42.33	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41336G	7.63	-22.37	2.12584G	-54.91	2.4G	-45.12	2.4G	-44.94	2.51622G	-53.30	24.87919G	-42.53	1
2412MHz	Pass	2.41336G	7.63	-22.37	2.00351G	-54.93	2.39856G	-45.12	2.4G	-44.65	2.5183G	-53.31	23.53903G	-42.37	2
2437MHz	Pass	2.41336G	7.63	-22.37	1.81245G	-55.24	2.4G	-51.43	2.4G	-51.51	2.50558G	-53.51	16.78765G	-43.12	1
2437MHz	Pass	2.41336G	7.63	-22.37	2.13749G	-55.09	2.39088G	-54.12	2.4G	-55.03	2.50574G	-53.25	23.27774G	-43.19	2
2462MHz	Pass	2.41336G	7.63	-22.37	2.13516G	-55.14	2.4G	-51.88	2.4G	-51.01	2.50694G	-52.96	16.93937G	-42.42	1
2462MHz	Pass	2.41336G	7.63	-22.37	2.12467G	-54.30	2.39136G	-53.54	2.4G	-55.63	2.5191G	-53.59	16.92251G	-42.12	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.45695G	5.91	-24.09	2.127G	-55.32	2.4G	-34.53	2.4G	-32.78	2.5091G	-53.16	16.28755G	-42.89	1
2412MHz	Pass	2.45695G	5.91	-24.09	2.18059G	-55.16	2.39992G	-32.29	2.4G	-30.77	2.52006G	-53.66	16.73989G	-41.91	2
2437MHz	Pass	2.45695G	5.91	-24.09	2.08273G	-54.95	2.4G	-50.68	2.4G	-51.36	2.5199G	-53.30	24.95786G	-43.07	1
2437MHz	Pass	2.45695G	5.91	-24.09	2.13283G	-55.03	2.3972G	-53.61	2.4G	-53.80	2.5095G	-53.22	17.02084G	-42.91	2
2462MHz	Pass	2.45695G	5.91	-24.09	2.12118G	-55.37	2.4G	-50.48	2.4G	-51.06	2.50022G	-53.63	24.86795G	-42.83	1
2462MHz	Pass	2.45695G	5.91	-24.09	2.14098G	-54.83	2.4G	-53.99	2.4G	-54.95	2.52134G	-52.67	24.49428G	-42.86	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.45711G	5.50	-24.50	2.16195G	-55.18	2.39952G	-33.41	2.4G	-34.17	2.51646G	-52.96	24.9719G	-42.99	1
2412MHz	Pass	2.45711G	5.50	-24.50	2.1072G	-55.20	2.39968G	-30.68	2.4G	-31.30	2.51502G	-53.14	24.86233G	-41.92	2
2437MHz	Pass	2.45711G	5.50	-24.50	2.17477G	-54.75	2.4G	-51.28	2.4G	-49.66	2.51254G	-53.03	24.58699G	-42.17	1
2437MHz	Pass	2.45711G	5.50	-24.50	2.19574G	-54.78	2.39976G	-51.66	2.4G	-50.51	2.50054G	-53.43	15.03729G	-42.79	2
2462MHz	Pass	2.45711G	5.50	-24.50	2.30525G	-54.87	2.4G	-50.87	2.4G	-50.74	2.50854G	-53.03	23.2665G	-42.40	1
2462MHz	Pass	2.45711G	5.50	-24.50	2.12001G	-55.13	2.39952G	-53.63	2.4G	-55.34	2.5219G	-52.71	23.53903G	-42.24	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43206G	2.26	-27.74	2.14024G	-54.45	2.4G	-39.02	2.4G	-39.29	2.5315G	-53.36	23.59491G	-42.89	1
2422MHz	Pass	2.43206G	2.26	-27.74	2.30512G	-55.21	2.4G	-38.05	2.4G	-36.57	2.5283G	-52.64	16.38999G	-42.33	2
2437MHz	Pass	2.43206G	2.26	-27.74	2.16886G	-55.26	2.39856G	-43.28	2.4G	-43.72	2.5499G	-53.24	23.23873G	-42.39	1
2437MHz	Pass	2.43206G	2.26	-27.74	2.11619G	-55.15	2.39952G	-39.85	2.4G	-40.69	2.52446G	-53.51	16.56107G	-42.10	2
2452MHz	Pass	2.43206G	2.26	-27.74	2.30626G	-54.90	2.4G	-49.60	2.4G	-50.64	2.51886G	-53.76	23.26958G	-42.37	1
2452MHz	Pass	2.43206G	2.26	-27.74	2.3097G	-54.80	2.39744G	-51.89	2.4G	-51.04	2.51278G	-53.56	16.87238G	-43.26	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

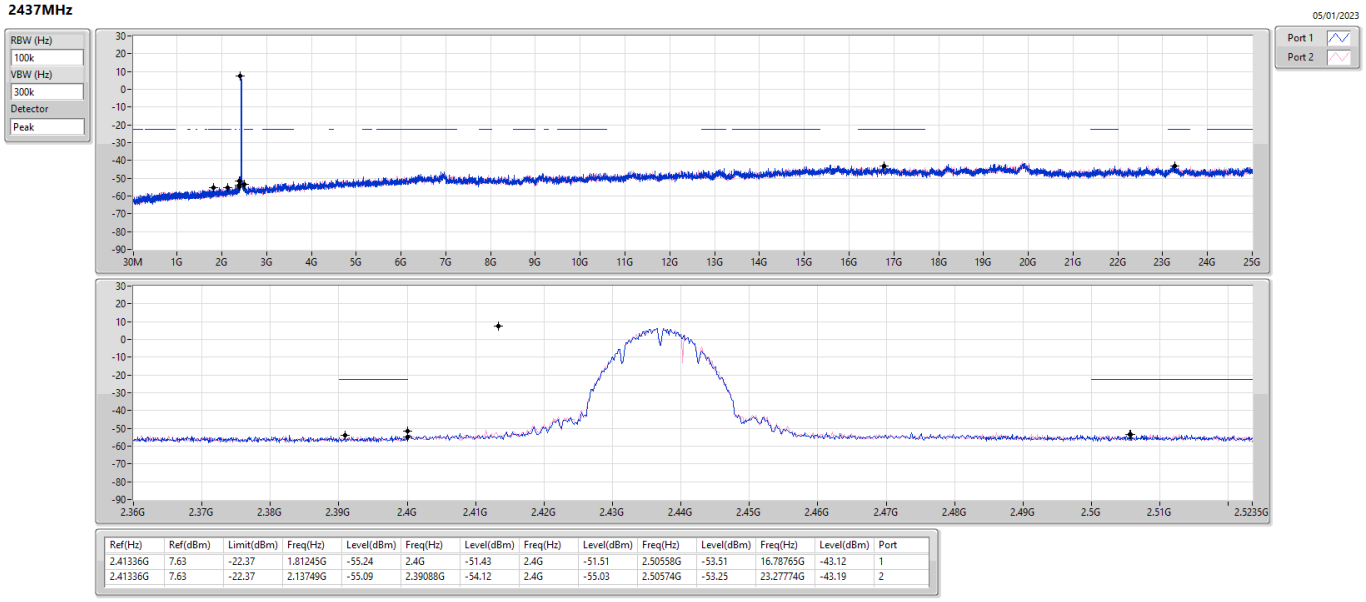
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41336G	7.63	-22.37	2.12584G	-54.91	2.4G	-45.12	2.4G	-44.94	2.51622G	-53.30	24.87919G	-42.53	1
2.41336G	7.63	-22.37	2.00351G	-54.93	2.39856G	-45.12	2.4G	-44.65	2.5183G	-53.31	23.53903G	-42.37	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

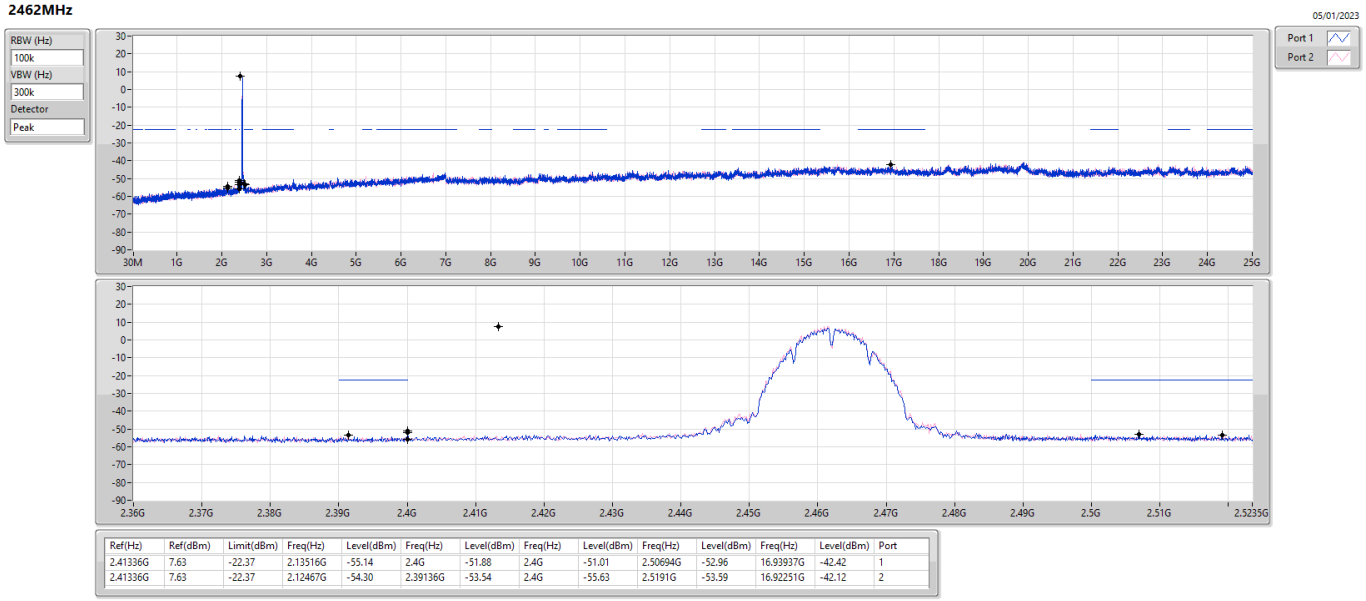
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41336G	7.63	-22.37	1.81245G	-55.24	2.4G	-51.43	2.4G	-51.51	2.50558G	-53.51	16.78765G	-43.12	1
2.41336G	7.63	-22.37	2.13749G	-55.09	2.39088G	-54.12	2.4G	-55.03	2.50574G	-53.25	23.27774G	-43.19	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

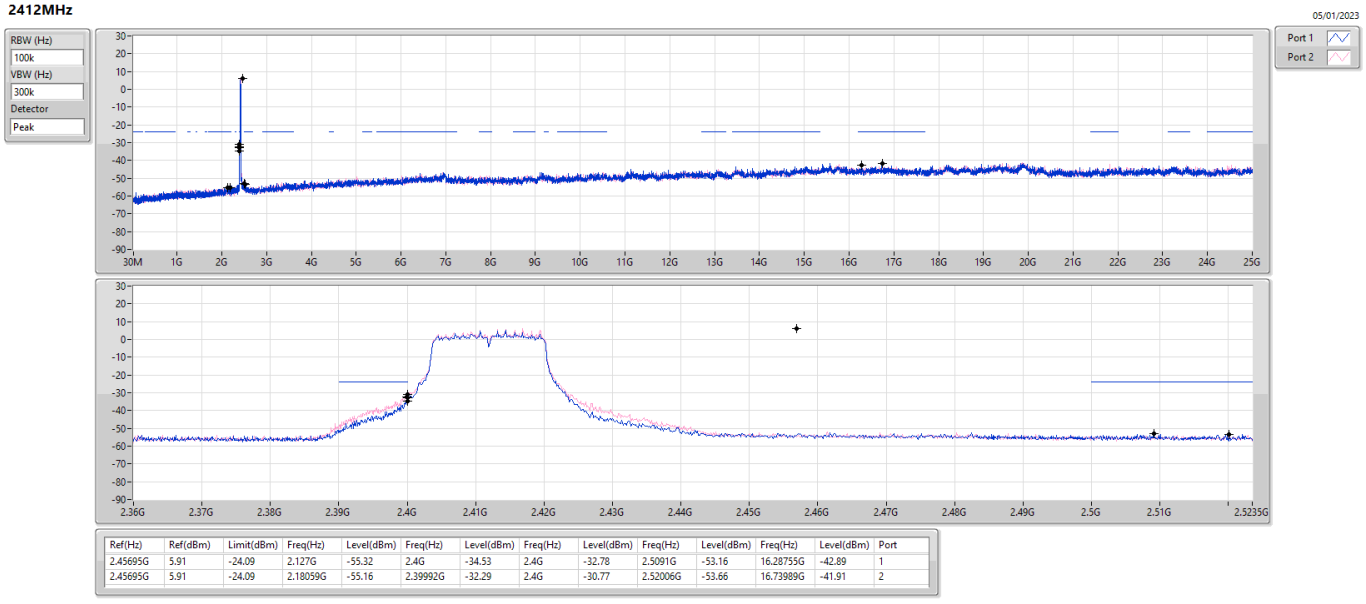
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41336G	7.63	-22.37	2.13516G	-55.14	2.4G	-51.88	2.4G	-51.01	2.50694G	-52.96	16.93937G	-42.42	1
2.41336G	7.63	-22.37	2.12467G	-54.30	2.39136G	-53.54	2.4G	-55.63	2.5191G	-53.59	16.92251G	-42.12	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

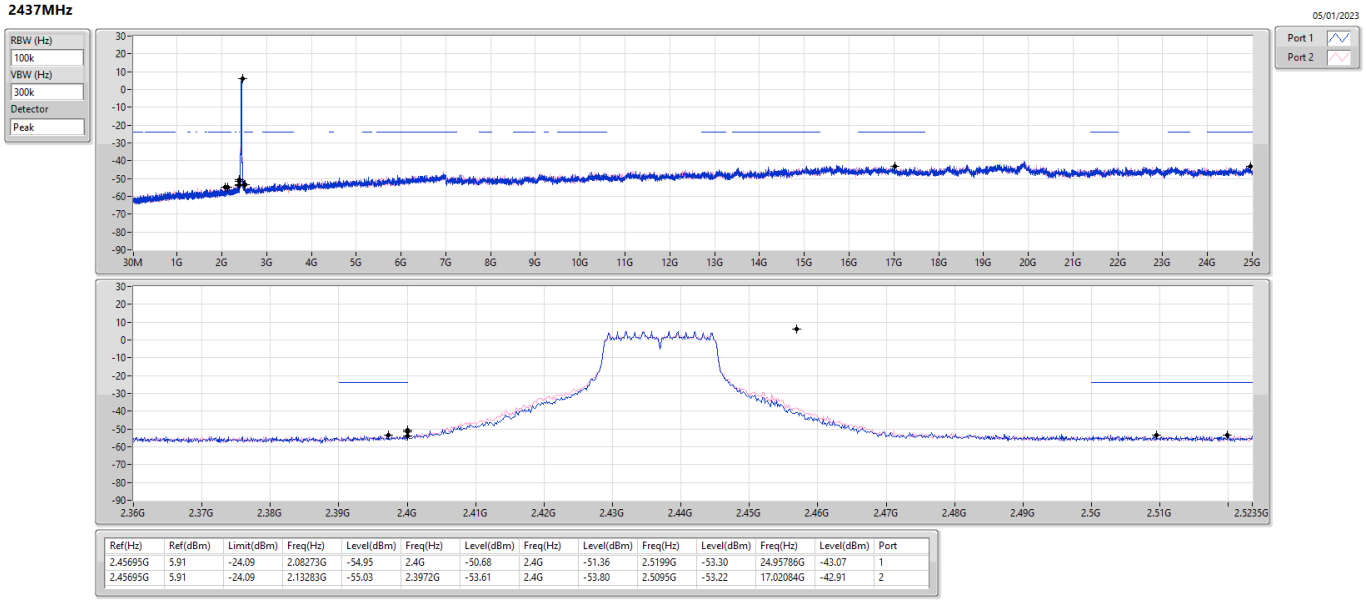
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45695G	5.91	-24.09	2.127G	-55.32	2.4G	-34.53	2.4G	-32.78	2.5091G	-53.16	16.28755G	-42.89	1
2.45695G	5.91	-24.09	2.18059G	-55.16	2.39992G	-32.29	2.4G	-30.77	2.52006G	-53.66	16.73989G	-41.91	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

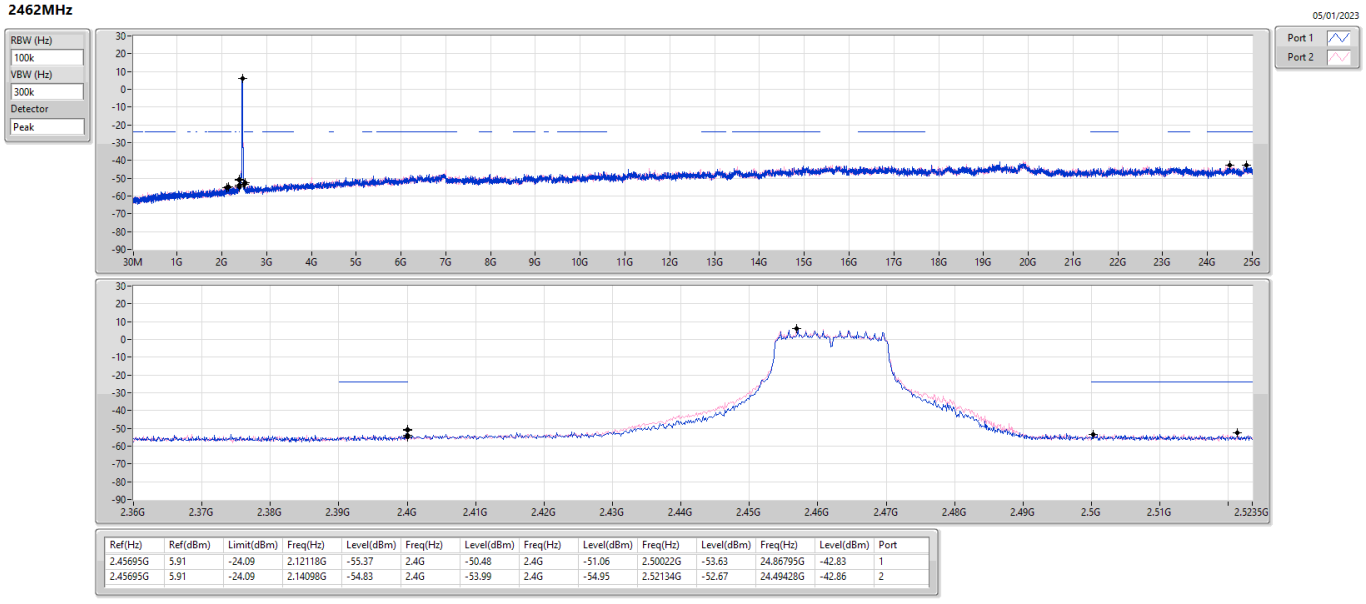
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45695G	5.91	-24.09	2.08273G	-54.95	2.4G	-50.68	2.4G	-51.36	2.5199G	-53.30	24.95786G	-43.07	1
2.45695G	5.91	-24.09	2.13283G	-55.03	2.3972G	-53.61	2.4G	-53.80	2.5095G	-53.22	17.02084G	-42.91	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

2462MHz

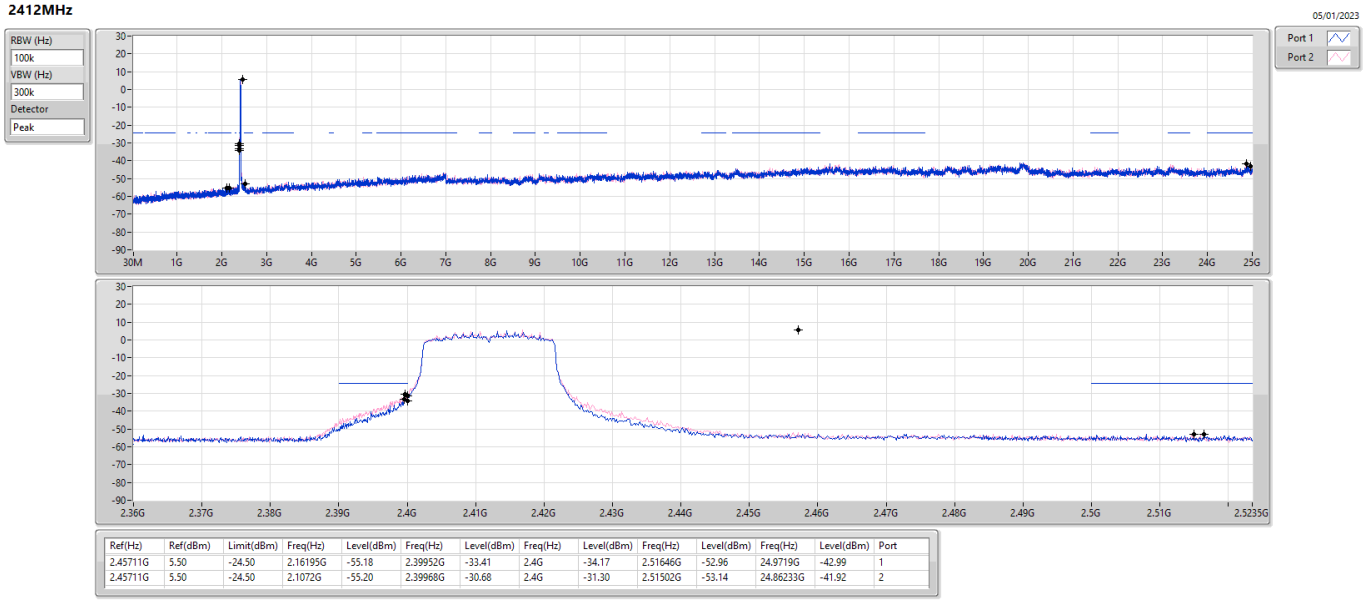


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45695G	5.91	-24.09	2.12118G	-55.37	2.4G	-50.48	2.4G	-51.06	2.50022G	-53.63	24.86795G	-42.83	1
2.45695G	5.91	-24.09	2.14098G	-54.83	2.4G	-53.99	2.4G	-54.95	2.52134G	-52.67	24.49428G	-42.86	2

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

CSENdB

2412MHz

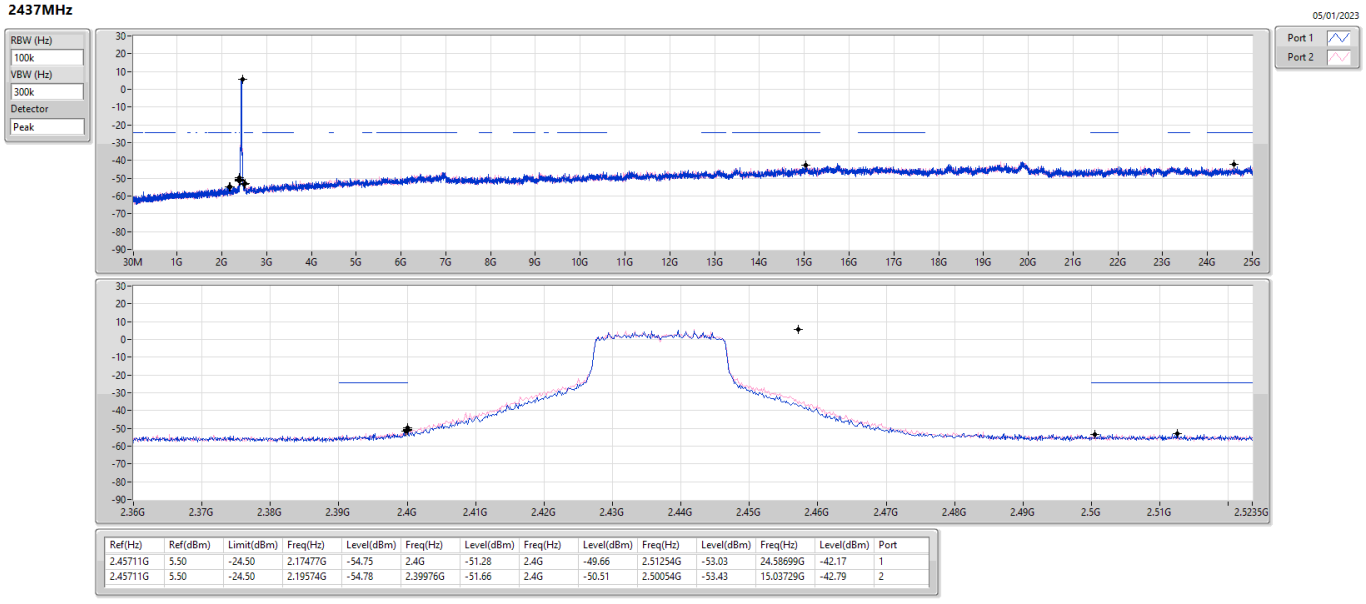


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45711G	5.50	-24.50	2.16195G	-55.18	2.39952G	-33.41	2.4G	-34.17	2.51646G	-52.96	24.9719G	-42.99	1
2.45711G	5.50	-24.50	2.1072G	-55.20	2.39968G	-30.68	2.4G	-31.30	2.51502G	-53.14	24.86233G	-41.92	2

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

CSENdB

2437MHz

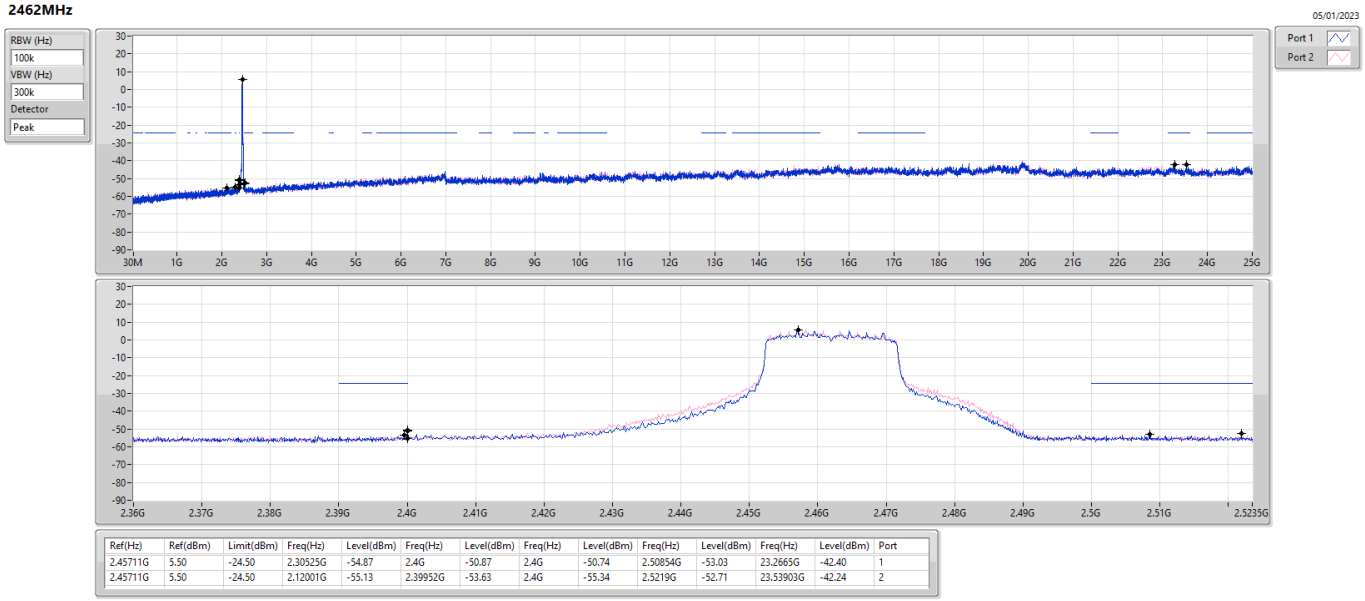


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45711G	5.50	-24.50	2.17477G	-54.75	2.4G	-51.28	2.4G	-49.66	2.51254G	-53.03	24.58699G	-42.17	1
2.45711G	5.50	-24.50	2.19574G	-54.78	2.39976G	-51.66	2.4G	-50.51	2.50054G	-53.43	15.03729G	-42.79	2

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

CSENdB

2462MHz

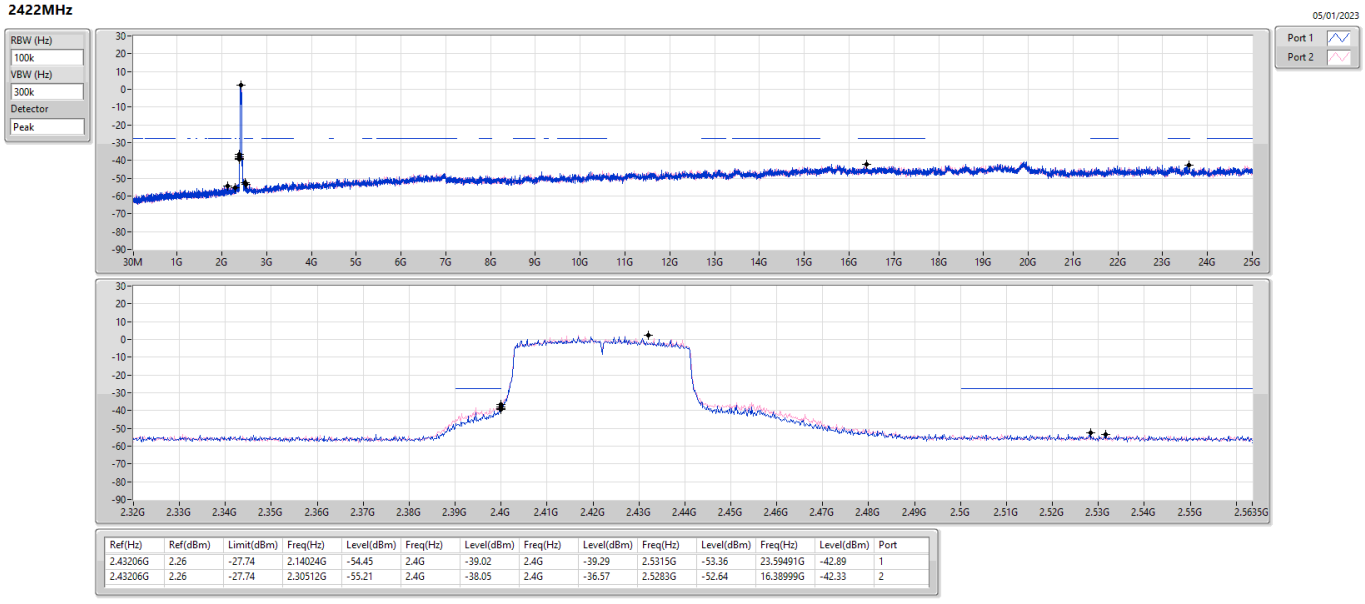


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45711G	5.50	-24.50	2.30525G	-54.87	2.4G	-50.87	2.4G	-50.74	2.50854G	-53.03	23.2665G	-42.40	1
2.45711G	5.50	-24.50	2.12001G	-55.13	2.39952G	-53.63	2.4G	-55.34	2.5219G	-52.71	23.53903G	-42.24	2

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

CSENdB

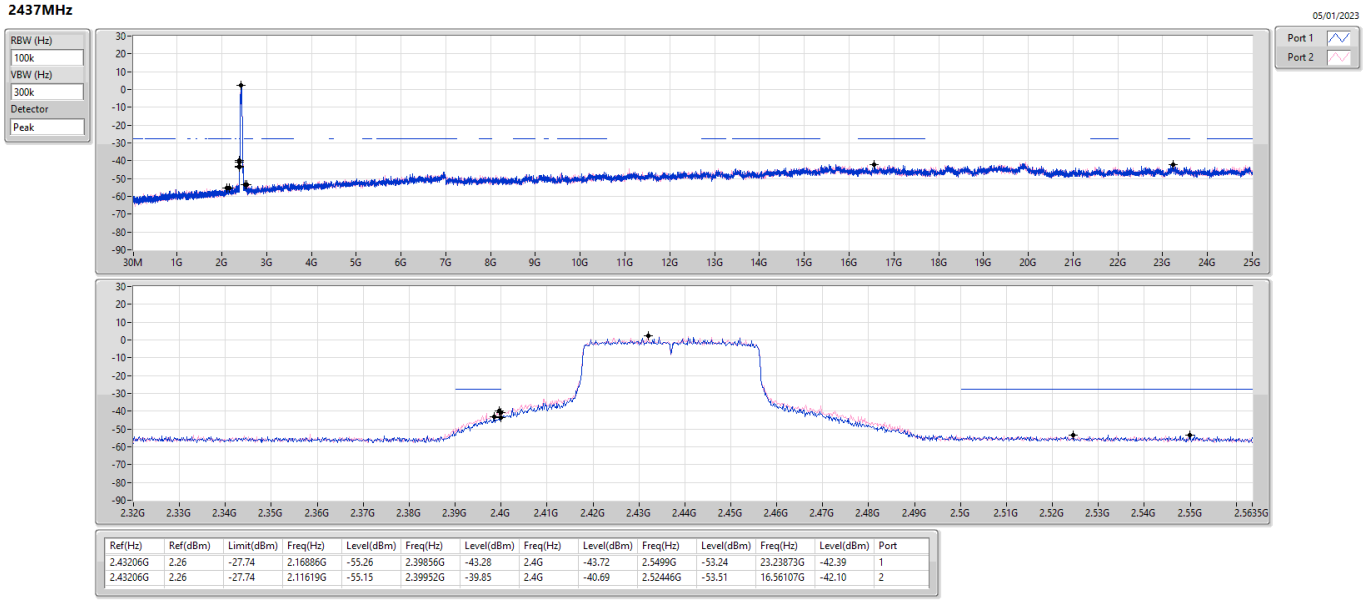
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	2.26	-27.74	2.14024G	-54.45	2.4G	-39.02	2.4G	-39.29	2.5315G	-53.36	23.59491G	-42.89	1
2.43206G	2.26	-27.74	2.30512G	-55.21	2.4G	-38.05	2.4G	-36.57	2.5283G	-52.64	16.38999G	-42.33	2

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

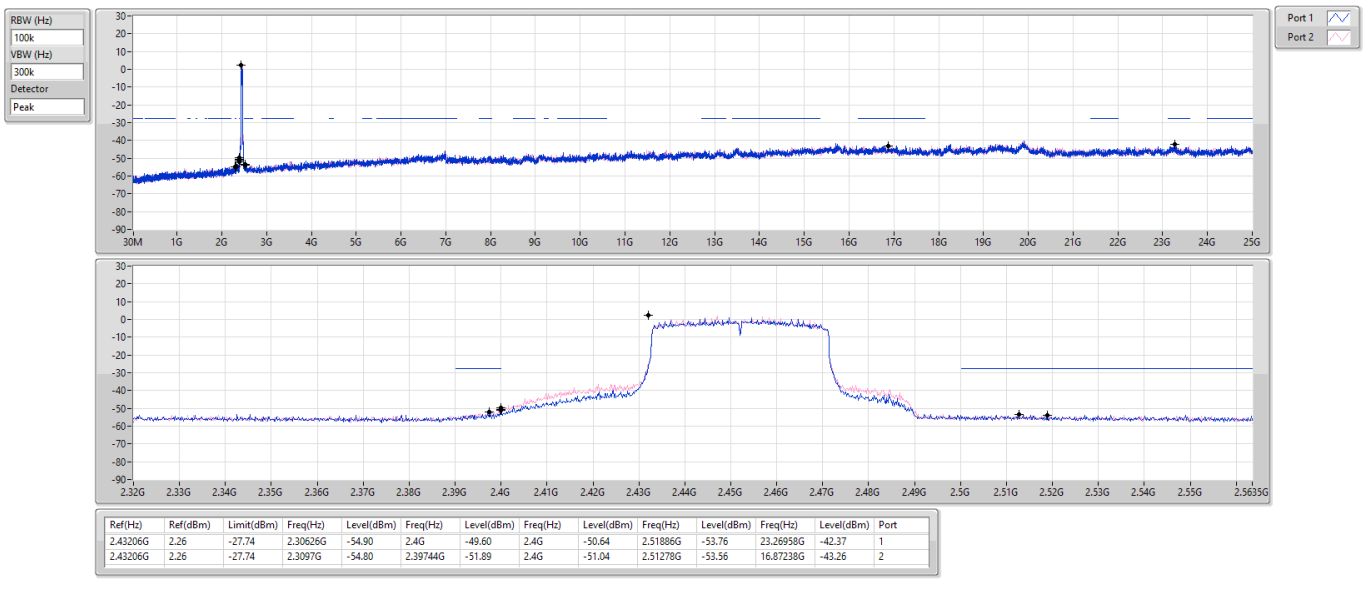
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	2.26	-27.74	2.16886G	-55.26	2.39856G	-43.28	2.4G	-43.72	2.5499G	-53.24	23.23873G	-42.39	1
2.43206G	2.26	-27.74	2.11619G	-55.15	2.39952G	-39.85	2.4G	-40.69	2.52446G	-53.51	16.56107G	-42.10	2

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

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43206G	2.26	-27.74	2.30626G	-54.90	2.4G	-49.60	2.4G	-50.64	2.51886G	-53.76	23.26958G	-42.37	1
2.43206G	2.26	-27.74	2.3097G	-54.80	2.39744G	-51.89	2.4G	-51.04	2.51278G	-53.56	16.87238G	-43.26	2

Summary

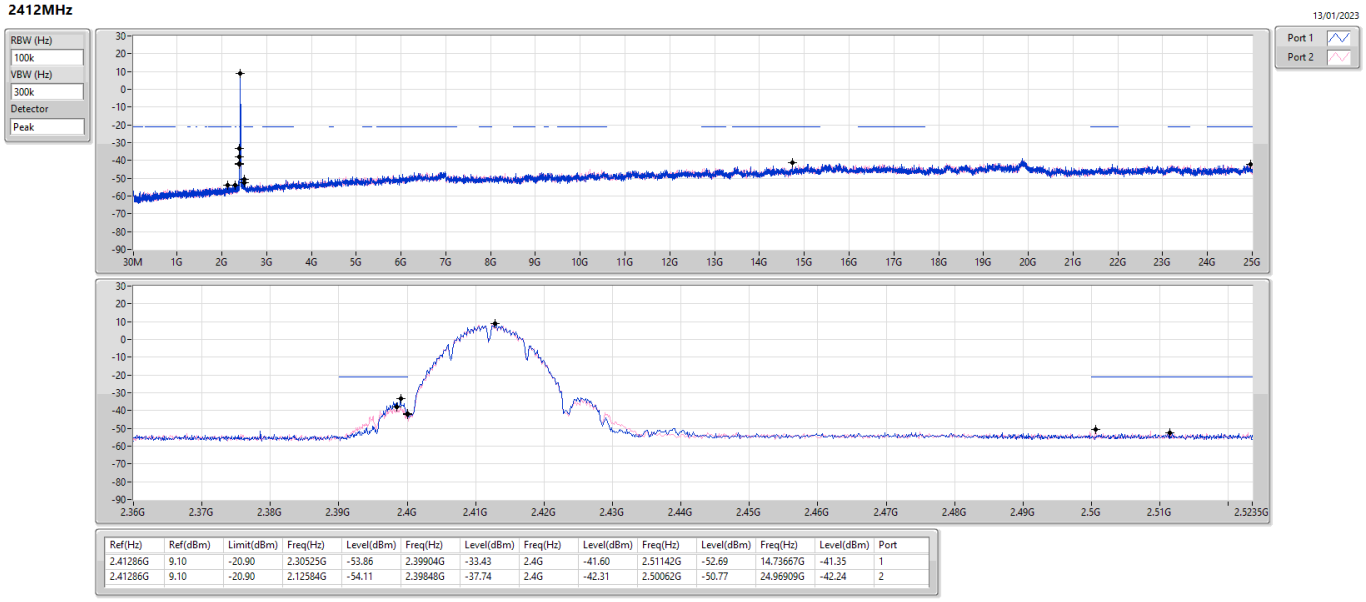
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41286G	9.10	-20.90	2.30525G	-53.86	2.39904G	-33.43	2.4G	-41.60	2.51142G	-52.69	14.73667G	-41.35	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	8.42	-21.58	2.13865G	-54.61	2.3992G	-24.95	2.4G	-23.93	2.51086G	-52.84	17.49566G	-42.48	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43574G	7.69	-22.31	2.09788G	-54.20	2.4G	-27.82	2.4G	-28.39	2.51982G	-52.08	16.81574G	-41.12	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.45578G	1.84	-28.16	2.17917G	-53.81	2.39952G	-33.39	2.4G	-34.57	2.53326G	-52.84	14.94564G	-41.88	2

Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41286G	9.10	-20.90	2.30525G	-53.86	2.39904G	-33.43	2.4G	-41.60	2.51142G	-52.69	14.73667G	-41.35	1
2412MHz	Pass	2.41286G	9.10	-20.90	2.12584G	-54.11	2.39848G	-37.74	2.4G	-42.31	2.50062G	-50.77	24.96909G	-42.24	2
2437MHz	Pass	2.41286G	9.10	-20.90	2.09089G	-54.39	2.39656G	-53.31	2.4G	-53.88	2.50638G	-51.77	21.56391G	-42.09	1
2437MHz	Pass	2.41286G	9.10	-20.90	2.13166G	-53.70	2.39736G	-53.71	2.4G	-55.14	2.51526G	-52.36	24.88762G	-41.38	2
2462MHz	Pass	2.41286G	9.10	-20.90	2.18409G	-54.60	2.39504G	-53.37	2.4G	-54.82	2.51662G	-52.25	23.22436G	-41.61	1
2462MHz	Pass	2.41286G	9.10	-20.90	1.92196G	-54.95	2.39928G	-53.49	2.4G	-55.48	2.5215G	-52.43	16.86632G	-42.01	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	8.42	-21.58	2.13865G	-54.61	2.3992G	-24.95	2.4G	-23.93	2.51086G	-52.84	17.49566G	-42.48	1
2412MHz	Pass	2.43574G	8.42	-21.58	2.09555G	-54.69	2.3992G	-27.88	2.4G	-26.50	2.5007G	-52.09	23.19064G	-42.11	2
2437MHz	Pass	2.43574G	8.42	-21.58	2.15496G	-53.72	2.3992G	-52.27	2.4G	-52.96	2.5031G	-50.96	23.16255G	-42.22	1
2437MHz	Pass	2.43574G	8.42	-21.58	2.18409G	-54.58	2.39952G	-50.76	2.4G	-52.60	2.50862G	-52.87	23.24121G	-41.99	2
2462MHz	Pass	2.43574G	8.42	-21.58	2.12118G	-52.71	2.39416G	-53.20	2.4G	-55.78	2.52014G	-52.59	23.32269G	-41.82	1
2462MHz	Pass	2.43574G	8.42	-21.58	2.09904G	-53.79	2.3984G	-53.31	2.4G	-55.31	2.52038G	-52.42	23.53622G	-42.09	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	7.69	-22.31	2.09788G	-54.20	2.4G	-27.82	2.4G	-28.39	2.51982G	-52.08	16.81574G	-41.12	1
2412MHz	Pass	2.43574G	7.69	-22.31	2.0839G	-54.32	2.4G	-29.12	2.4G	-29.54	2.52062G	-51.38	16.58255G	-41.99	2
2437MHz	Pass	2.43574G	7.69	-22.31	2.1736G	-53.89	2.39848G	-52.29	2.4G	-53.76	2.50862G	-52.46	24.47742G	-42.47	1
2437MHz	Pass	2.43574G	7.69	-22.31	2.13982G	-54.56	2.39632G	-51.36	2.4G	-52.62	2.52006G	-52.25	24.646G	-41.94	2
2462MHz	Pass	2.43574G	7.69	-22.31	2.1037G	-53.91	2.39416G	-53.35	2.4G	-54.72	2.51678G	-52.34	16.81293G	-42.31	1
2462MHz	Pass	2.43574G	7.69	-22.31	2.17477G	-54.53	2.39488G	-53.42	2.4G	-55.20	2.51054G	-51.92	23.31707G	-42.29	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.45578G	1.84	-28.16	2.1036G	-54.60	2.39984G	-36.79	2.4G	-36.06	2.50494G	-52.41	16.3928G	-41.28	1
2422MHz	Pass	2.45578G	1.84	-28.16	2.17917G	-53.81	2.39952G	-33.39	2.4G	-34.57	2.53326G	-52.84	14.94564G	-41.88	2
2437MHz	Pass	2.45578G	1.84	-28.16	2.17573G	-52.90	2.39952G	-41.27	2.4G	-45.06	2.55038G	-52.22	16.55266G	-41.70	1
2437MHz	Pass	2.45578G	1.84	-28.16	2.1494G	-54.23	2.39952G	-40.47	2.4G	-44.01	2.53982G	-52.52	16.55266G	-42.12	2
2452MHz	Pass	2.45578G	1.84	-28.16	1.97421G	-54.98	2.3992G	-51.10	2.4G	-51.02	2.50734G	-53.00	15.04941G	-42.06	1
2452MHz	Pass	2.45578G	1.84	-28.16	2.14253G	-54.20	2.39952G	-52.20	2.4G	-52.24	2.52174G	-53.03	15.00734G	-41.71	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

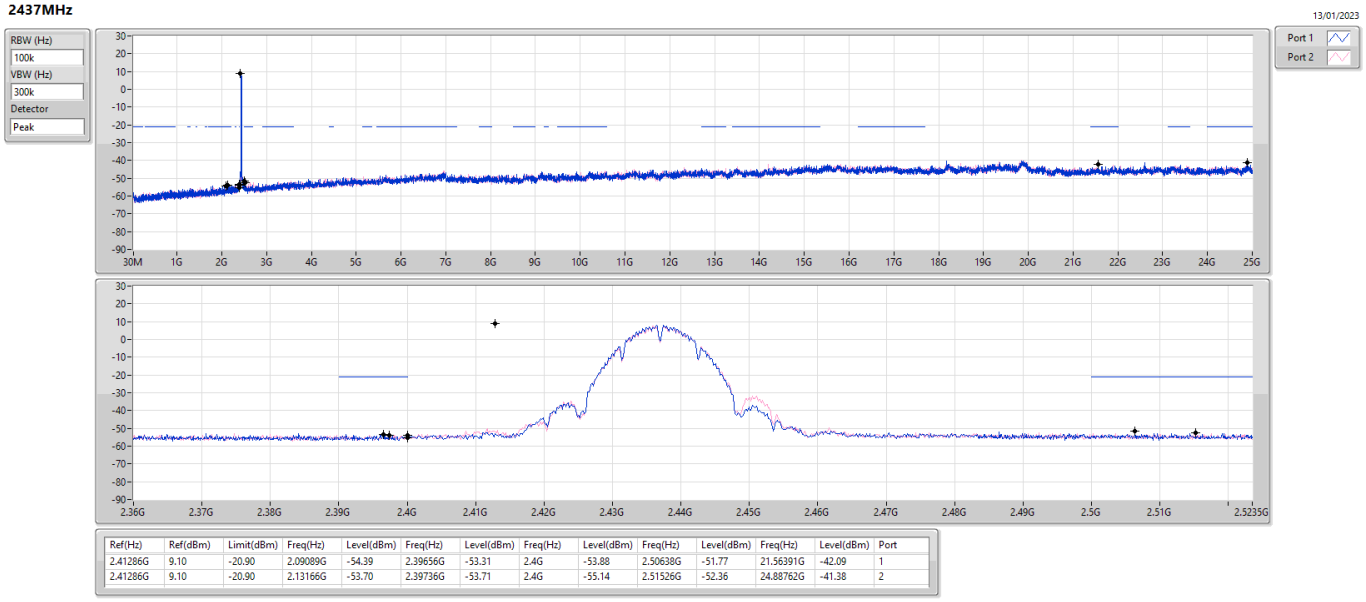
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.10	-20.90	2.30525G	-53.86	2.39904G	-33.43	2.4G	-41.60	2.51142G	-52.69	14.73667G	-41.35	1
2.41286G	9.10	-20.90	2.12584G	-54.11	2.39848G	-37.74	2.4G	-42.31	2.50062G	-50.77	24.96909G	-42.24	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

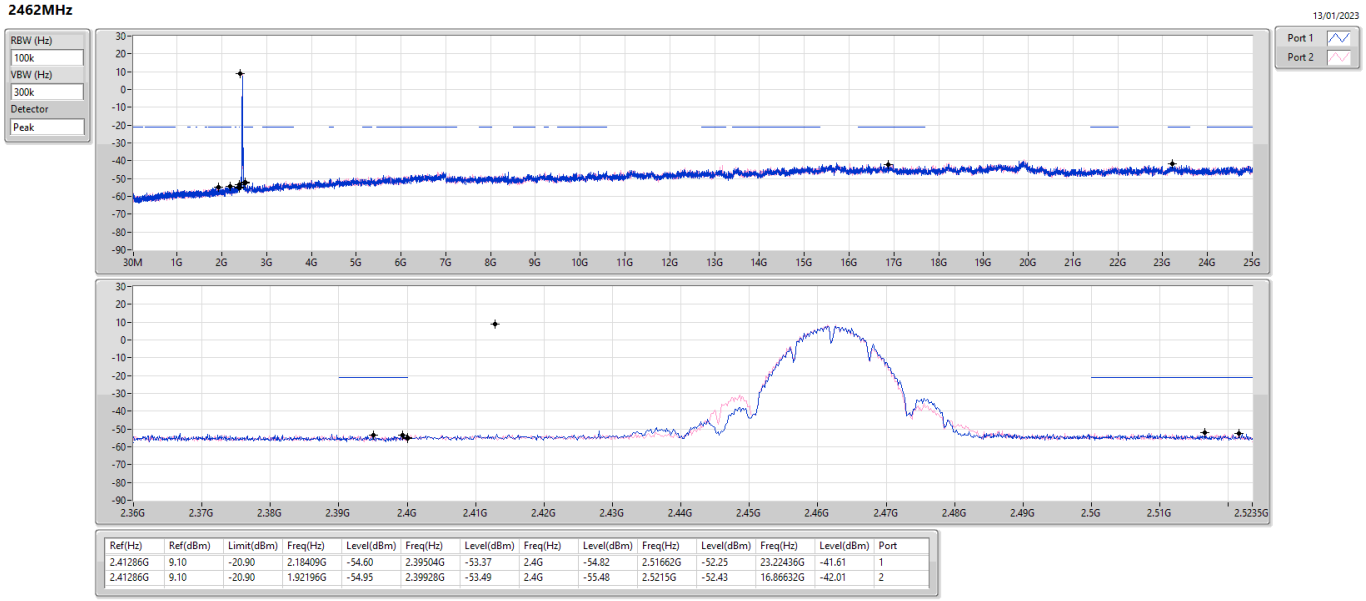
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.10	-20.90	2.09089G	-54.39	2.39656G	-53.31	2.4G	-53.88	2.50638G	-51.77	21.56391G	-42.09	1
2.41286G	9.10	-20.90	2.13166G	-53.70	2.39736G	-53.71	2.4G	-55.14	2.51526G	-52.36	24.88762G	-41.38	2

2.4-2.4835GHz_802.11b_Nss1,(1Mbps)_2TX CSENdB

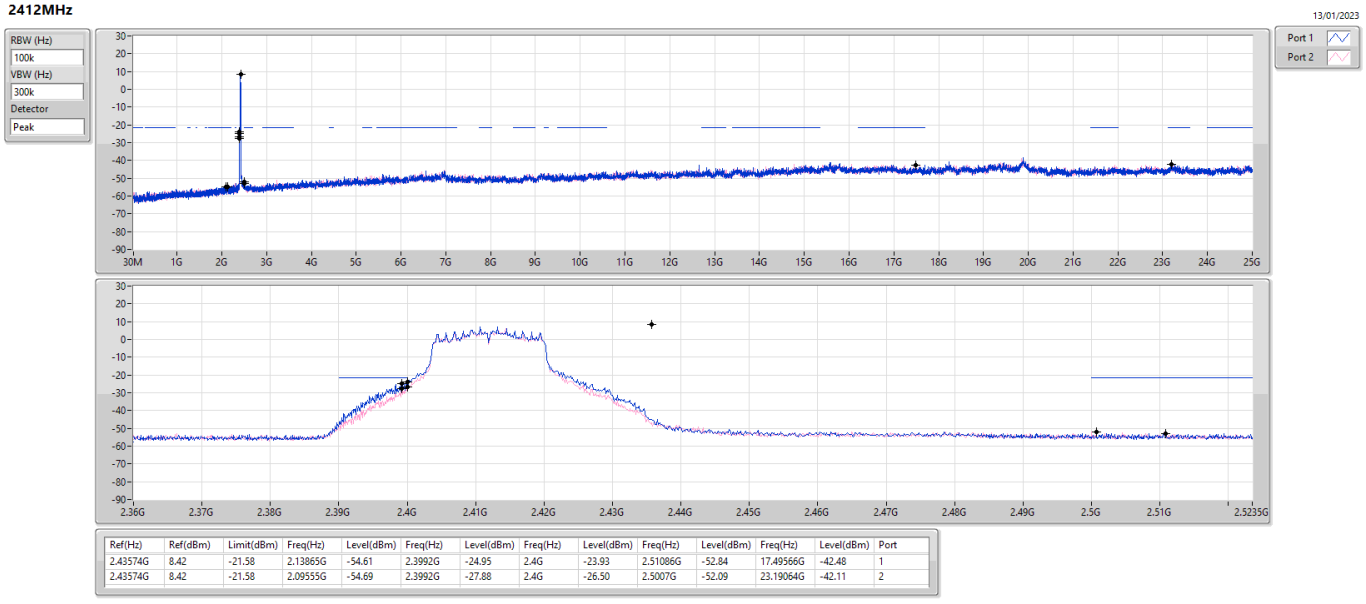
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.41286G	9.10	-20.90	2.18409G	-54.60	2.39504G	-53.37	2.4G	-54.82	2.51662G	-52.25	23.22436G	-41.61	1
2.41286G	9.10	-20.90	1.92196G	-54.95	2.39928G	-53.49	2.4G	-55.48	2.5215G	-52.43	16.86632G	-42.01	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX CSENdB

2412MHz

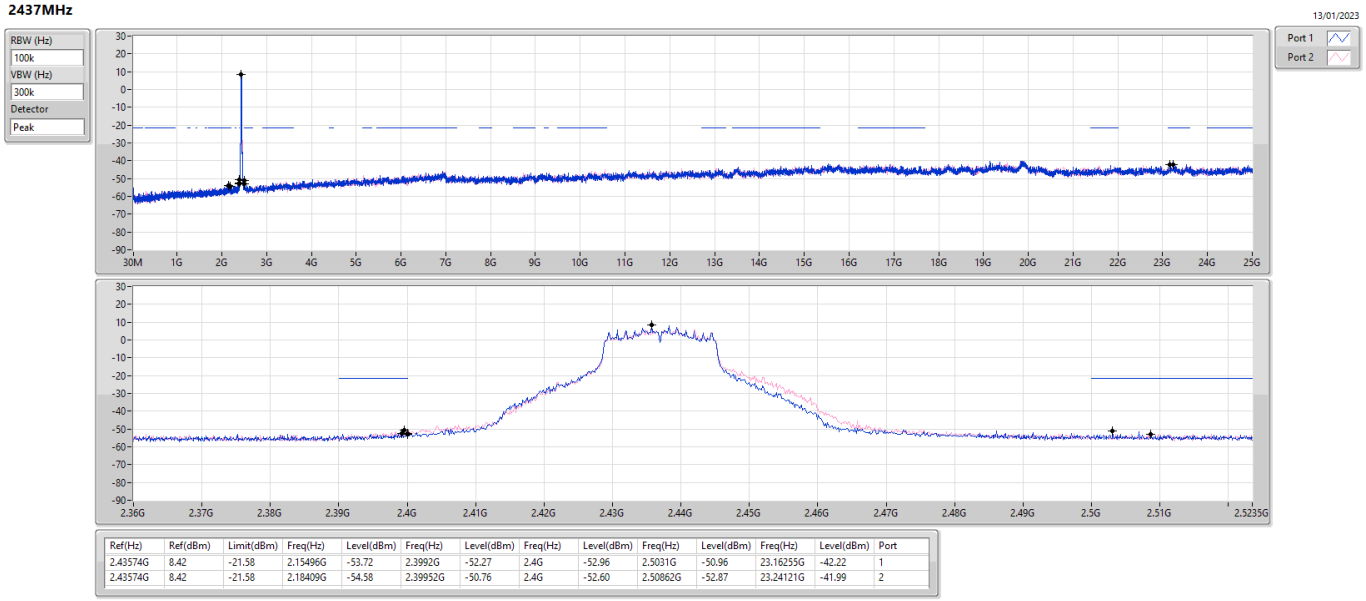


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	8.42	-21.58	2.13865G	-54.61	2.3992G	-24.95	2.4G	-23.93	2.51086G	-52.84	17.49566G	-42.48	1
2.43574G	8.42	-21.58	2.09555G	-54.69	2.3992G	-27.88	2.4G	-26.50	2.5007G	-52.09	23.19064G	-42.11	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSENdB

2437MHz

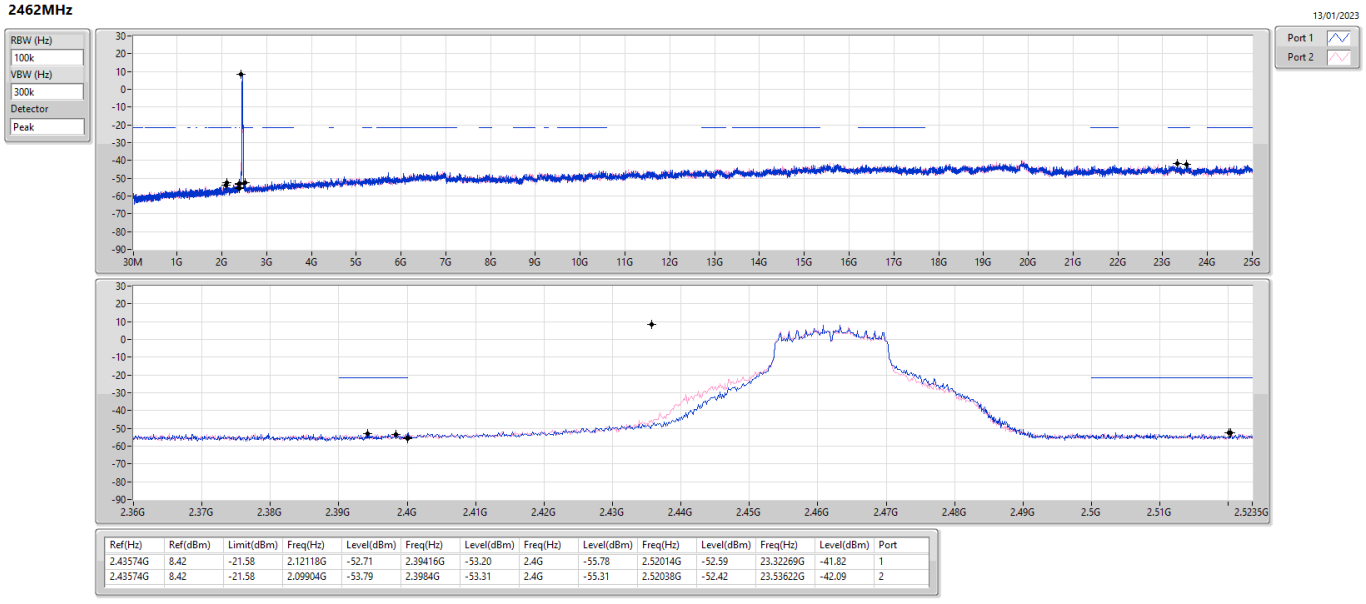


Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	8.42	-21.58	2.15496G	-53.72	2.3992G	-52.27	2.4G	-52.96	2.5031G	-50.96	23.16255G	-42.22	1
2.43574G	8.42	-21.58	2.18409G	-54.58	2.39952G	-50.76	2.4G	-52.60	2.50862G	-52.87	23.24121G	-41.99	2

2.4-2.4835GHz_802.11g_Nss1,(6Mbps)_2TX

CSENdB

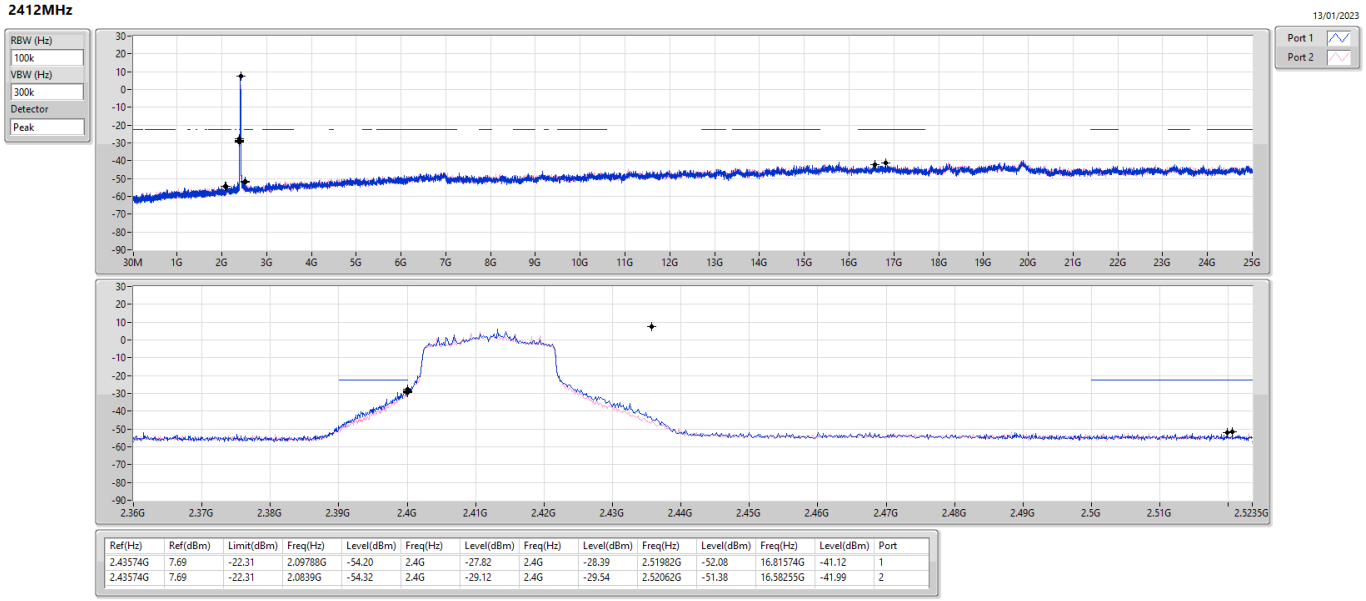
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	8.42	-21.58	2.12118G	-52.71	2.39416G	-53.20	2.4G	-55.78	2.52014G	-52.59	23.32269G	-41.82	1
2.43574G	8.42	-21.58	2.09904G	-53.79	2.3984G	-53.31	2.4G	-55.31	2.52038G	-52.42	23.53622G	-42.09	2

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

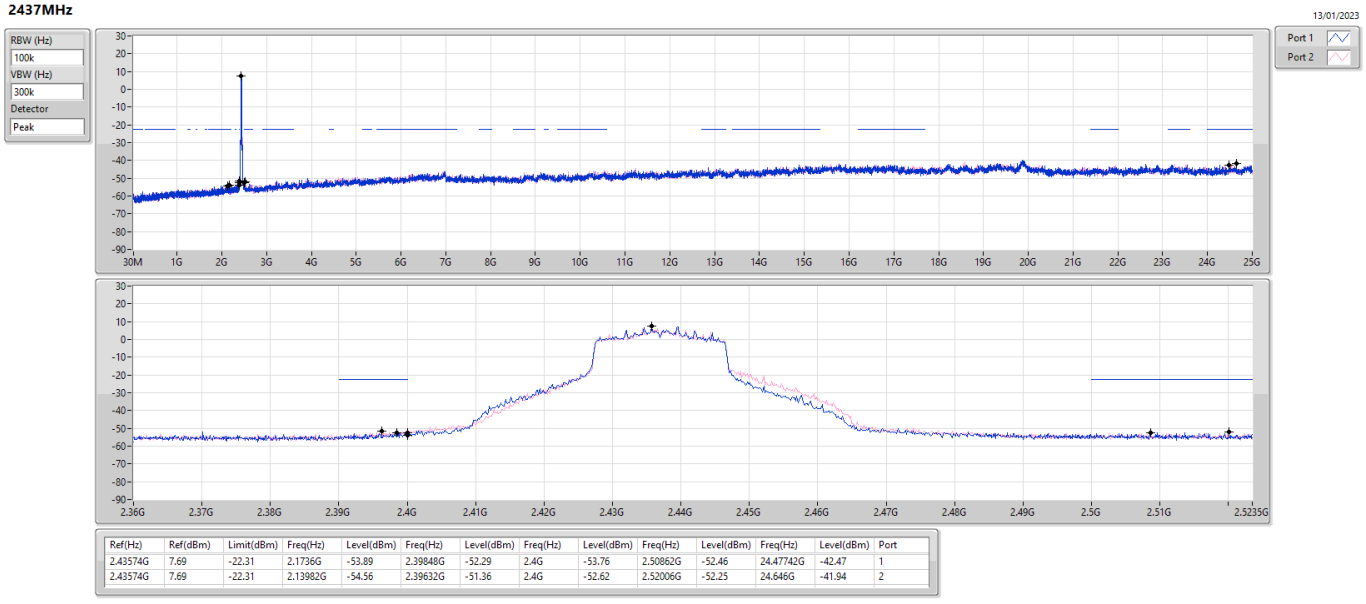
2412MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	7.69	-22.31	2.09788G	-54.20	2.4G	-27.82	2.4G	-28.39	2.51982G	-52.08	16.81574G	-41.12	1
2.43574G	7.69	-22.31	2.0839G	-54.32	2.4G	-29.12	2.4G	-29.54	2.52062G	-51.38	16.58255G	-41.99	2

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

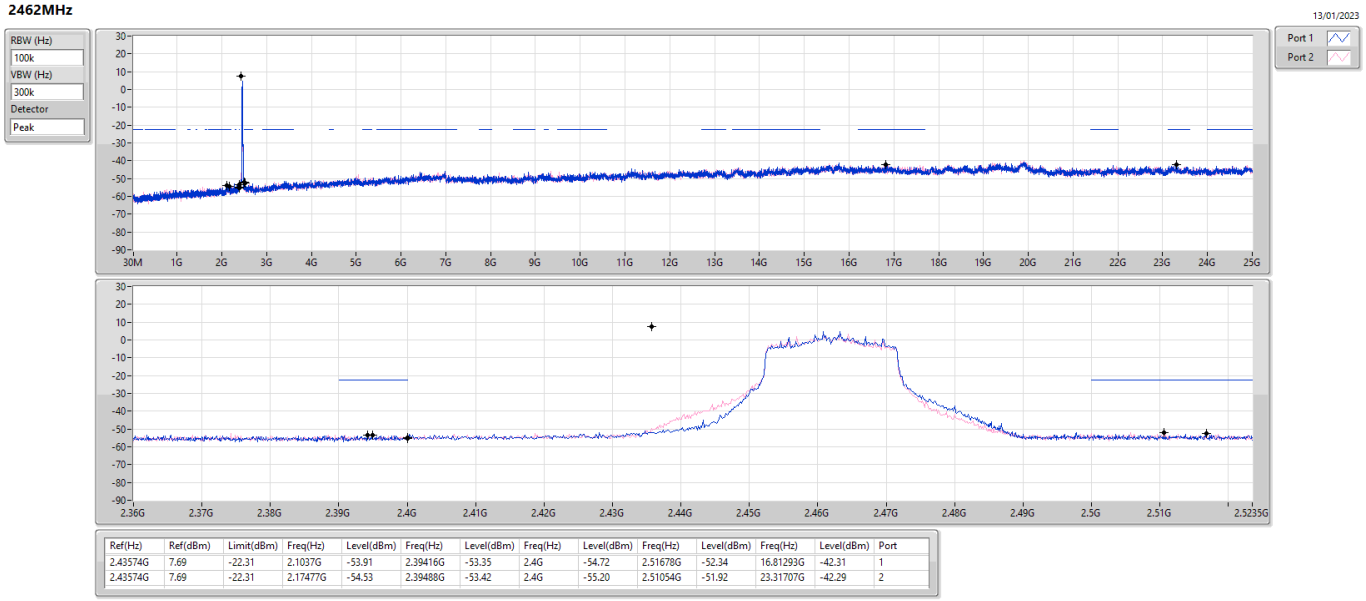
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	7.69	-22.31	2.1736G	-53.89	2.39848G	-52.29	2.4G	-53.76	2.50862G	-52.46	24.47742G	-42.47	1
2.43574G	7.69	-22.31	2.13982G	-54.56	2.39632G	-51.36	2.4G	-52.62	2.52006G	-52.25	24.646G	-41.94	2

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

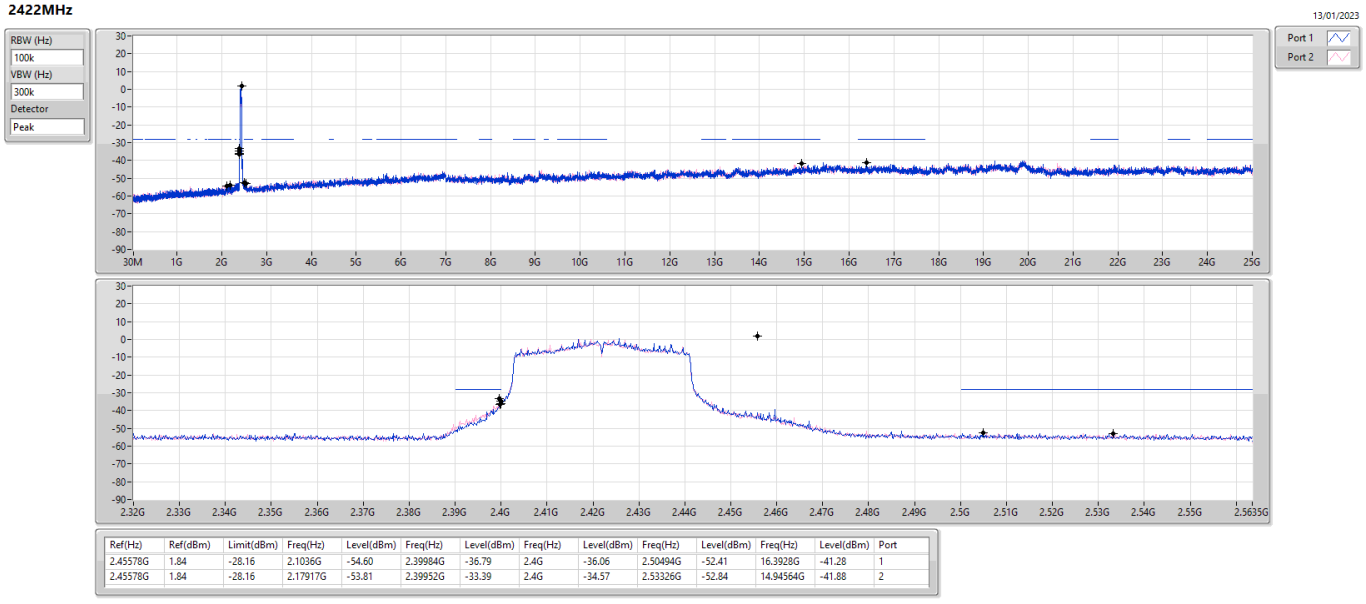
2462MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.43574G	7.69	-22.31	2.1037G	-53.91	2.39416G	-53.35	2.4G	-54.72	2.51678G	-52.34	16.81293G	-42.31	1
2.43574G	7.69	-22.31	2.17477G	-54.53	2.39488G	-53.42	2.4G	-55.20	2.51054G	-51.92	23.31707G	-42.29	2

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

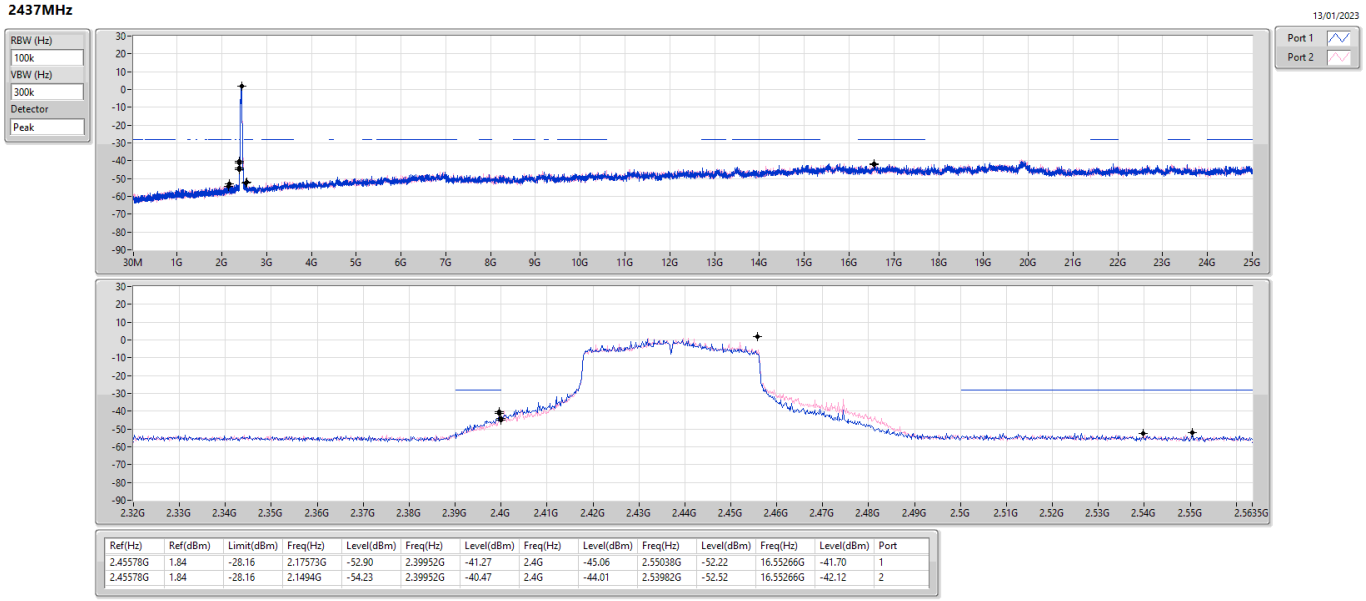
2422MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45578G	1.84	-28.16	2.1036G	-54.60	2.39984G	-36.79	2.4G	-36.06	2.50494G	-52.41	16.3928G	-41.28	1
2.45578G	1.84	-28.16	2.17917G	-53.81	2.39952G	-33.39	2.4G	-34.57	2.53326G	-52.84	14.94564G	-41.88	2

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

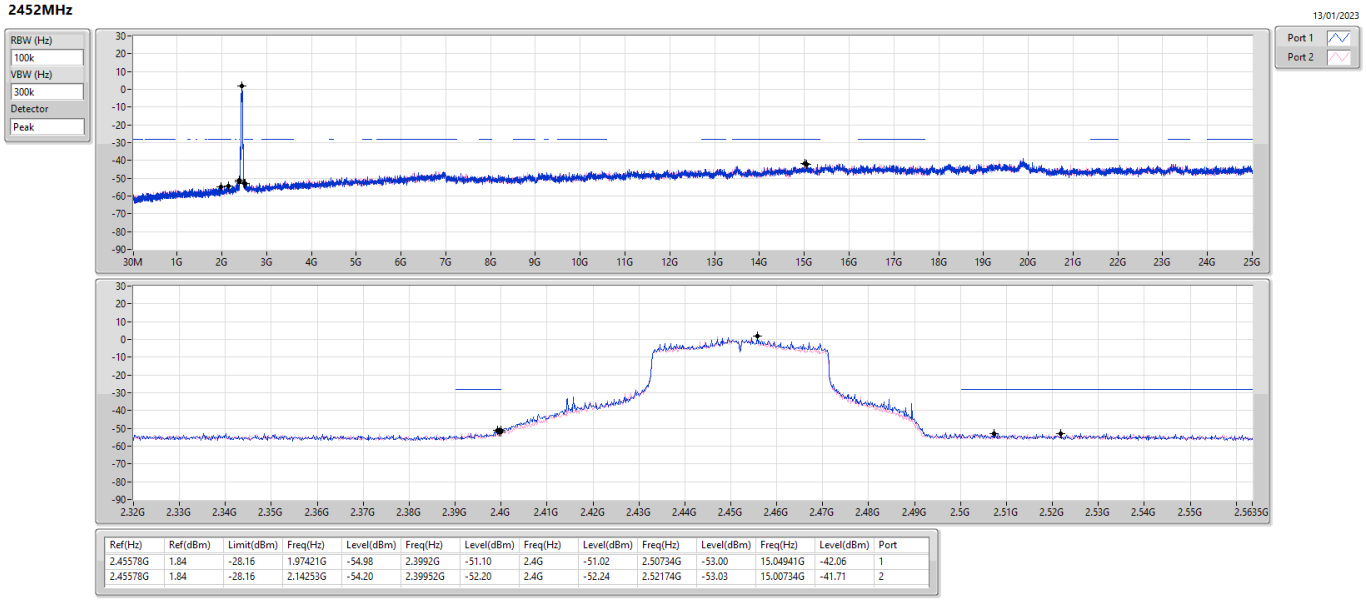
2437MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45578G	1.84	-28.16	2.17573G	-52.90	2.39952G	-41.27	2.4G	-45.06	2.55038G	-52.22	16.55266G	-41.70	1
2.45578G	1.84	-28.16	2.1494G	-54.23	2.39952G	-40.47	2.4G	-44.01	2.53982G	-52.52	16.55266G	-42.12	2

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

2452MHz



Ref(Hz)	Ref(dBm)	Limit(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Freq(Hz)	Level(dBm)	Port
2.45578G	1.84	-28.16	1.97421G	-54.98	2.3992G	-51.10	2.4G	-51.02	2.50734G	-53.00	15.04941G	-42.06	1
2.45578G	1.84	-28.16	2.14253G	-54.20	2.39952G	-52.20	2.4G	-52.24	2.52174G	-53.03	15.00734G	-41.71	2