



# FCC Radio Test Report

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

The product was received on Feb. 09, 2022, and testing was started from May 26, 2022 and completed on Aug. 25, 2022. 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 variant 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.



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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
FR0D1422-02AC	01	Initial issue of report	Nov. 18, 2022



### 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	-

<b>Declaration of Conformity:</b>
The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.
<b>Comments and explanations:</b>
None

Reviewed by: Barry Hsiao

Report Producer: Debby Hung



# 1 General Description

## 1.1 Information

### 1.1.1 RF General Information

Frequency Range (MHz)	IEEE Std. 802.11	Ch. Frequency (MHz)	Channel Number
2400-2483.5	b, g, n (HT20), VHT20, ax(HEW20)	2412-2462	1-11 [11]
2400-2483.5	n (HT40), VHT40, ax(HEW40)	2422-2452	3-9 [7]

#### Non-Beamforming\_Radio 1

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

#### Non-Beamforming\_Radio 3

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

#### Beamforming\_Radio 1

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

#### Beamforming\_Radio 3

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



Note:

11b mode uses a combination of DSSS-DBPSK, DQPSK, CCK modulation.

11g, HT20 and HT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM modulation.

VHT20, VHT40 use a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

HEW20, HEW40 use a combination of OFDMA-BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM modulation.

BWch is the nominal channel bandwidth.

1.1.2 Antenna Information

Ant.	Brand	Model Name	Antenna Type	Connector
1	SENAO	5718A0619300	Dipole	N-type
2	SENAO	5718A0619300	Dipole	N-type
3	SENAO	5718A0619300	Dipole	N-type
4	SENAO	5718A0619300	Dipole	N-type
5	SENAO	5718A0620300	Dipole	N-type
6	SENAO	5718A0620300	Dipole	N-type
7	SENAO	5718A0620300	Dipole	N-type
8	SENAO	5718A0620300	Dipole	N-type
9	SENAO	5718A0619300	Dipole	N-type
10	SENAO	5718A0619300	Dipole	N-type
11	SENAO	5718A0618300	Dipole	N-type
12	Fortinet	FANT-10ACAX-1213-D-N	Directional	N-type



Radio	Ant.	Port	Antenna Gain (dBi)				Cable Loss Gain (dBi)			
			2.4G	5G	BT	Zigbee	2.4G	5G	BT	Zigbee
1	1	1	5.5	7.2	-	-	0.6	1	-	-
	2	2	5.5	7.2	-	-	0.6	1	-	-
	3	3	5.5	7.2	-	-	0.5	0.8	-	-
	4	4	5.5	7.2	-	-	0.4	0.7	-	-
2	5	1	-	6.3	-	-	-	1	-	-
	6	2	-	6.3	-	-	-	1.1	-	-
	7	3	-	6.3	-	-	-	0.9	-	-
	8	4	-	6.3	-	-	-	0.9	-	-
3	9	1	5.5	7.2	-	-	0.6	1	-	-
	10	2	5.5	7.2	-	-	0.6	1	-	-
BT+Zigbee	11	1	-	-	4.5	4.5	-	-	0.5	0.5
1	12	1	12	13	-	-	0.6	1	-	-
1	12	2	12	13	-	-	0.6	1	-	-
1	12	3	12	13	-	-	0.5	0.8	-	-
1	12	4	12	13	-	-	0.4	0.7	-	-
2	12	1	12	13	-	-	-	1	-	-
2	12	2	12	13	-	-	-	1.1	-	-
2	12	3	12	13	-	-	-	0.9	-	-
2	12	4	12	13	-	-	-	0.9	-	-
3	12	1	12	13	-	-	0.6	1	-	-
3	12	2	12	13	-	-	0.6	1	-	-

Note 1: The EUT has twelve antennas.

**For 2.4GHz function:**

Radio 1

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

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

Ant. 12 could transmit/receive simultaneously.

Radio 3

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

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

Ant. 12 could transmit/receive simultaneously.

**For 5GHz function:**

Radio 1

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

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

Ant. 12 could transmit/receive simultaneously.



Radio 2

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

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

Ant. 12 could transmit/receive simultaneously.

Radio 3

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

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

Ant. 12 could transmit/receive simultaneously.

For Bluetooth function:

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

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

For Zigbee function:

For Zigbee mode (1TX/1RX)

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

1.1.3 EUT Information

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

1.1.4 Table for Multiple Listing

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

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





### 1.1.5 Table for Permissive Change

This product is an extension of original one reported under Sporton project number: FR0D1422AC

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Antenna 12 was added	All

### 1.1.6 Mode Test Duty Cycle

#### Non-Beamforming\_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_4TX	0.936	0.29	12.418m	100
802.11g_Nss1,(6Mbps)_4TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_4TX	0.95	0.22	1.921m	1k
802.11n HT40_Nss1,(MCS0)_4TX	0.906	0.43	945u	3k
VHT20_Nss1,(MCS0)_4TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40_Nss1,(MCS0)_4TX	0.97	0.13	953.125u	3k
802.11ax HEW20_Nss1,(MCS0)_4TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_4TX	0.962	0.17	773.125u	3k

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

#### Non-Beamforming\_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.949	0.23	12.417m	100
802.11g_Nss1,(6Mbps)_2TX	0.952	0.21	2.065m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.949	0.23	1.921m	1k
802.11n HT40_Nss1,(MCS0)_2TX	0.905	0.43	945.313u	3k
VHT20_Nss1,(MCS0)_2TX	0.985	0.07	n/a (DC>=0.98)	n/a (DC>=0.98)
VHT40_Nss1,(MCS0)_2TX	0.97	0.13	953.125u	3k
802.11ax HEW20_Nss1,(MCS0)_2TX	0.98	0.09	n/a (DC>=0.98)	n/a (DC>=0.98)
802.11ax HEW40_Nss1,(MCS0)_2TX	0.962	0.17	773.125u	3k

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

#### Beamforming\_Radio 1

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	0.945	0.25	2.931m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	0.953	0.21	4.367m	300

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

#### Beamforming\_Radio 3

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.943	0.25	2.931m	1k
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.949	0.23	4.367m	300

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



### 1.2 Testing Applied Standards

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

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

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

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

### 1.3 Testing Location Information

<b>Test Lab. : Sporton International Inc. Hsinhua Laboratory</b>				
<input checked="" type="checkbox"/> Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)			
	TEL: 886-3-327-3456		FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Ivan Chung	18.2~19.2°C / 50~54%	23/Jun/2022
RF Conducted	TH01-HY	Luby hsu	22.1~25.6°C / 51~57%	14/Jun/2022~10/Aug/2022
Radiated	03CH03-HY	Bart Chen	23.5~24.4°C / 55.4~57.5%	26/May/2022~25/Aug/2022
<input type="checkbox"/> Wen 33rd.St. (TAF: 3785)	ADD: No.14-1, Ln. 19, Wen 33rd St., Guishan Dist., Taoyuan City 333010, Taiwan (R.O.C.)			
	TEL: 886-3-318-0787		FAX: 886-3-318-0287	
Test site Designation No. TW0008 with FCC.				

### 1.4 Measurement Uncertainty

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

Test Items	Uncertainty	Remark
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	accessMTool_REL_3_1_0_1
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#### Non-Beamforming\_Radio 1

Mode	Power Setting
802.11b_Nss1,(1Mbps)_4TX	-
2412MHz	74
2437MHz	75
2457MHz	74
2462MHz	74
802.11g_Nss1,(6Mbps)_4TX	-
2412MHz	69
2417MHz	72
2437MHz	74
2457MHz	71
2462MHz	67
802.11n HT20_Nss1,(MCS0)_4TX	-
2412MHz	63
2417MHz	71
2437MHz	73
2457MHz	58
2462MHz	58
802.11n HT40_Nss1,(MCS0)_4TX	-
2422MHz	65
2427MHz	68
2437MHz	68
2447MHz	64
2452MHz	61
VHT20_Nss1,(MCS0)_4TX	-
2412MHz	63
2417MHz	71
2437MHz	73
2457MHz	58
2462MHz	58



Mode	Power Setting
VHT40_Nss1,(MCS0)_4TX	-
2422MHz	65
2427MHz	68
2437MHz	68
2447MHz	64
2452MHz	61
802.11ax HEW20_Nss1,(MCS0)_4TX	-
2412MHz	63
2417MHz	71
2437MHz	73
2457MHz	58
2462MHz	58
802.11ax HEW40_Nss1,(MCS0)_4TX	-
2422MHz	65
2427MHz	68
2437MHz	68
2447MHz	64
2452MHz	61



Non-Beamforming\_Radio 3

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	84
2417MHz	83
2437MHz	85
2457MHz	81
2462MHz	81
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	71
2417MHz	76
2437MHz	78
2457MHz	70
2462MHz	68
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	70
2417MHz	75
2437MHz	82
2457MHz	72
2462MHz	63
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	63
2427MHz	70
2437MHz	73
2447MHz	68
2452MHz	60
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	70
2417MHz	75
2437MHz	82
2457MHz	72
2462MHz	63
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	63
2427MHz	70
2437MHz	73



Mode	Power Setting
2447MHz	68
2452MHz	60
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	70
2417MHz	75
2437MHz	82
2457MHz	72
2462MHz	63
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	63
2427MHz	70
2437MHz	73
2447MHz	68
2452MHz	60



Test Software Version	Dos 6.1
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**Beamforming\_Radio 1**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-
2412MHz	50
2417MHz	50
2437MHz	50
2457MHz	50
2462MHz	50
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-
2422MHz	53
2427MHz	53
2437MHz	52
2447MHz	53
2452MHz	53


**Beamforming\_Radio 3**

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	68
2417MHz	73
2437MHz	77
2457MHz	71
2462MHz	56
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	61
2427MHz	70
2437MHz	71
2447MHz	67
2452MHz	59

## 2.2 The Worst Case Measurement Configuration

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

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

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Emissions in Restricted Frequency Bands
<b>Test Condition</b>	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.
<b>Operating Mode &lt; 1GHz</b>	CTX
1	PoE mode
<b>Operating Mode &gt; 1GHz</b>	CTX
<b>Orthogonal Planes of EUT</b>	<b>Y Plane</b>
	
<b>Worst Planes of EUT</b>	V





The Worst Case Mode for Following Conformance Tests	
Tests Item	Simultaneous Transmission Analysis
Test Condition	Radiated measurement
Operating Mode	CTX
1	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(2.4G)+ Bluetooth
2	Radio 1(5G)+ Radio 2(5G)+ Radio 3(2.4G)+ Bluetooth
3	Radio 1(5G)+ Radio 2(5G)+ Radio 3(5G)+ Bluetooth
4	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(5G)+ Bluetooth
5	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(2.4G)+Zigbee
6	Radio 1(5G)+ Radio 2(5G)+ Radio 3(2.4G)+Zigbee
7	Radio 1(5G)+ Radio 2(5G)+ Radio 3(5G)+Zigbee
8	Radio 1(2.4G)+ Radio 2(5G)+ Radio 3(5G)+Zigbee

Refer to Sporton Test Report No.: FA0D1422-02 for Co-location RF Exposure Evaluation and Appendix G for Radiated Emission Co-location.



## 2.3 Accessories

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

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

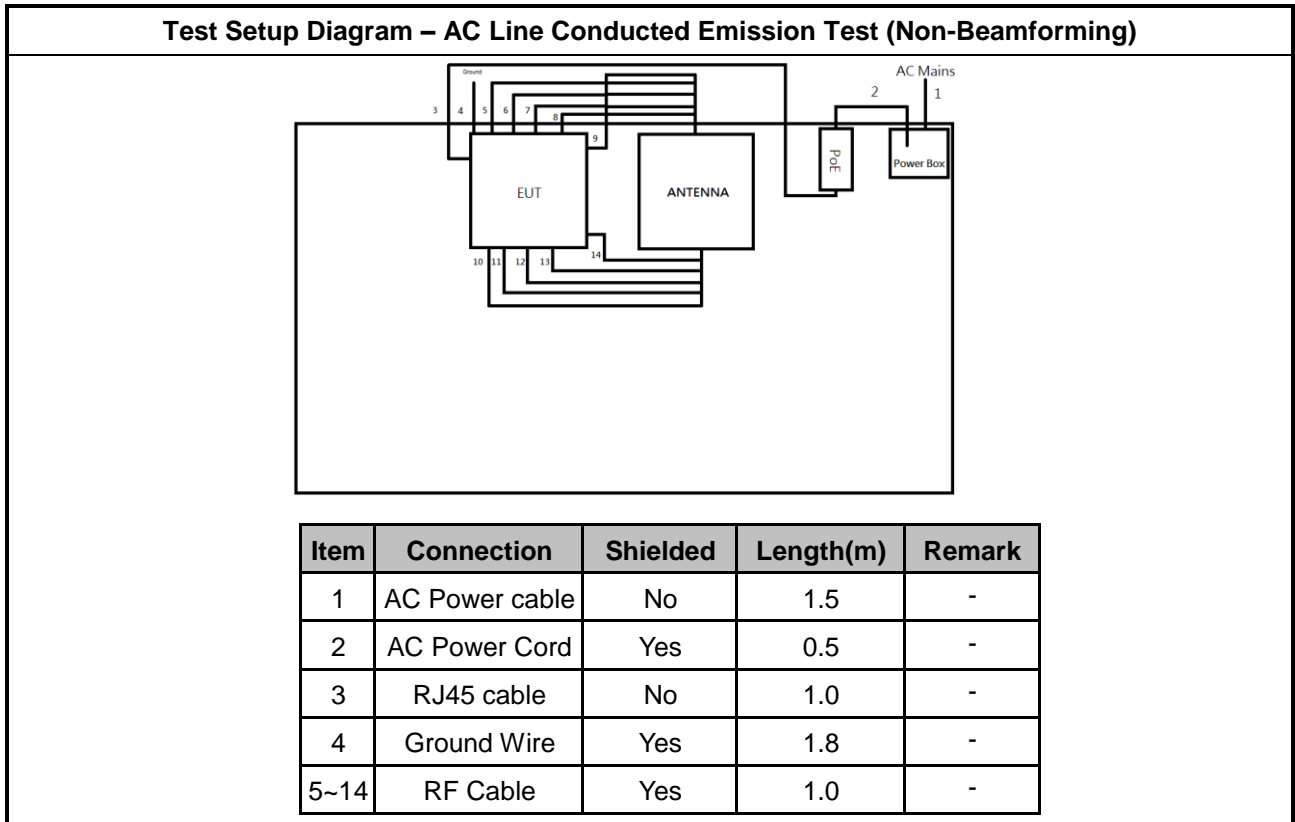
## 2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power Sync	CAT-6E-01	-	-

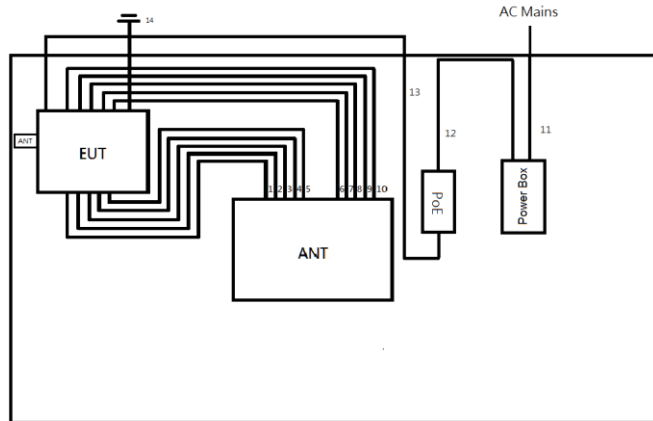
Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	RJ45 Cable	Power Sync	CAT-6E-01	-	-
2	RJ45 Cable	Power Sync	CAT-6E-10	-	-
3	Client for BF	Fortinet	FAP-U432F	-	-
4	Notebook	HP	5220M	-	Remote

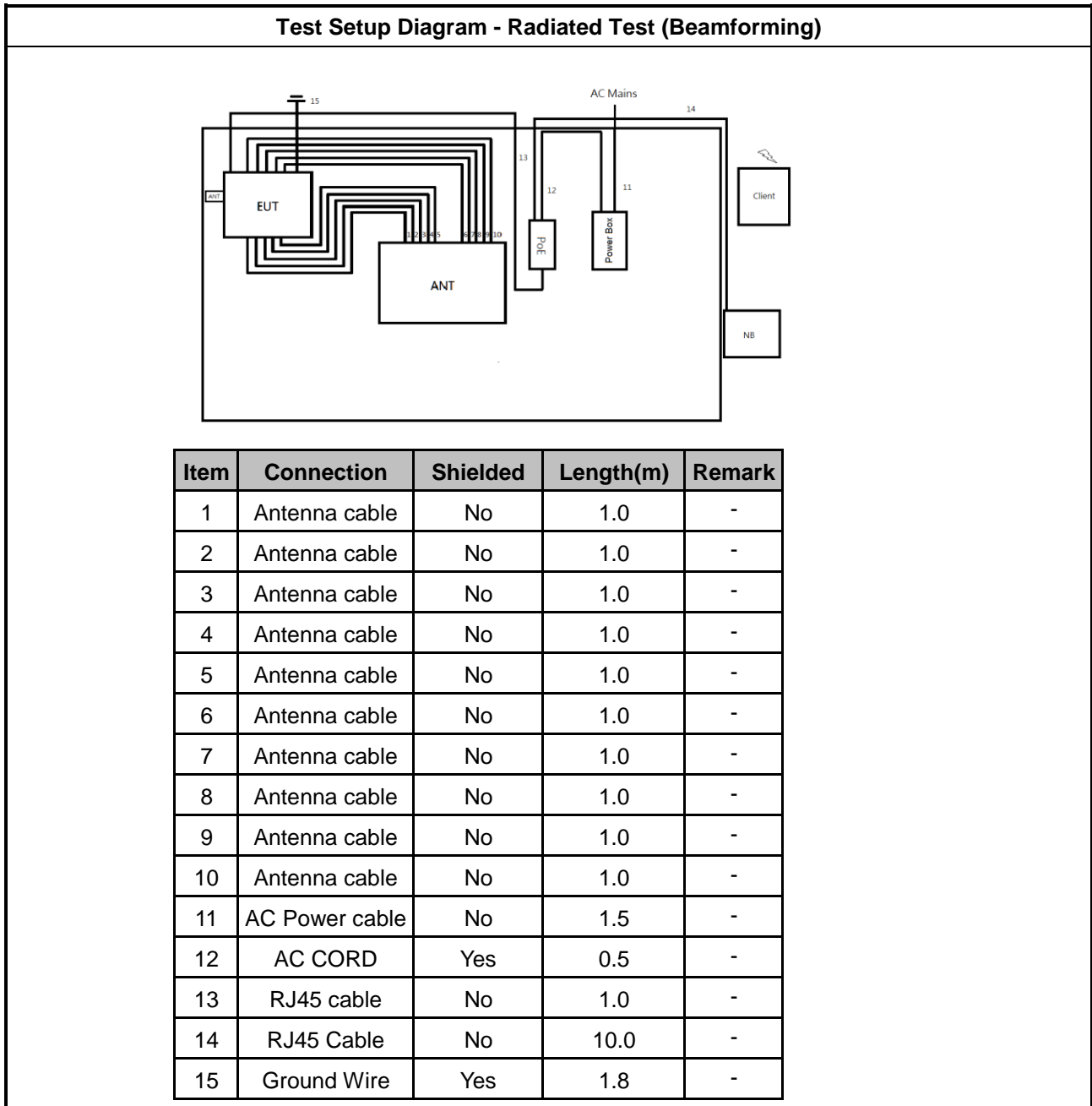
## 2.5 Test Setup Diagram



Test Setup Diagram - Radiated Test (Non-Beamforming)



Item	Connection	Shielded	Length(m)	Remark
1	Antenna cable	No	1.0	-
2	Antenna cable	No	1.0	-
3	Antenna cable	No	1.0	-
4	Antenna cable	No	1.0	-
5	Antenna cable	No	1.0	-
6	Antenna cable	No	1.0	-
7	Antenna cable	No	1.0	-
8	Antenna cable	No	1.0	-
9	Antenna cable	No	1.0	-
10	Antenna cable	No	1.0	-
11	AC Power cable	No	1.5	-
12	AC CORD	Yes	0.5	-
13	RJ45 cable	No	1.0	-
14	Ground Wire	Yes	1.8	-





### 3 Transmitter Test Result

#### 3.1 AC Power-line Conducted Emissions

##### 3.1.1 AC Power-line Conducted Emissions Limit

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

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

##### 3.1.2 Measuring Instruments

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

##### 3.1.3 Test Procedures

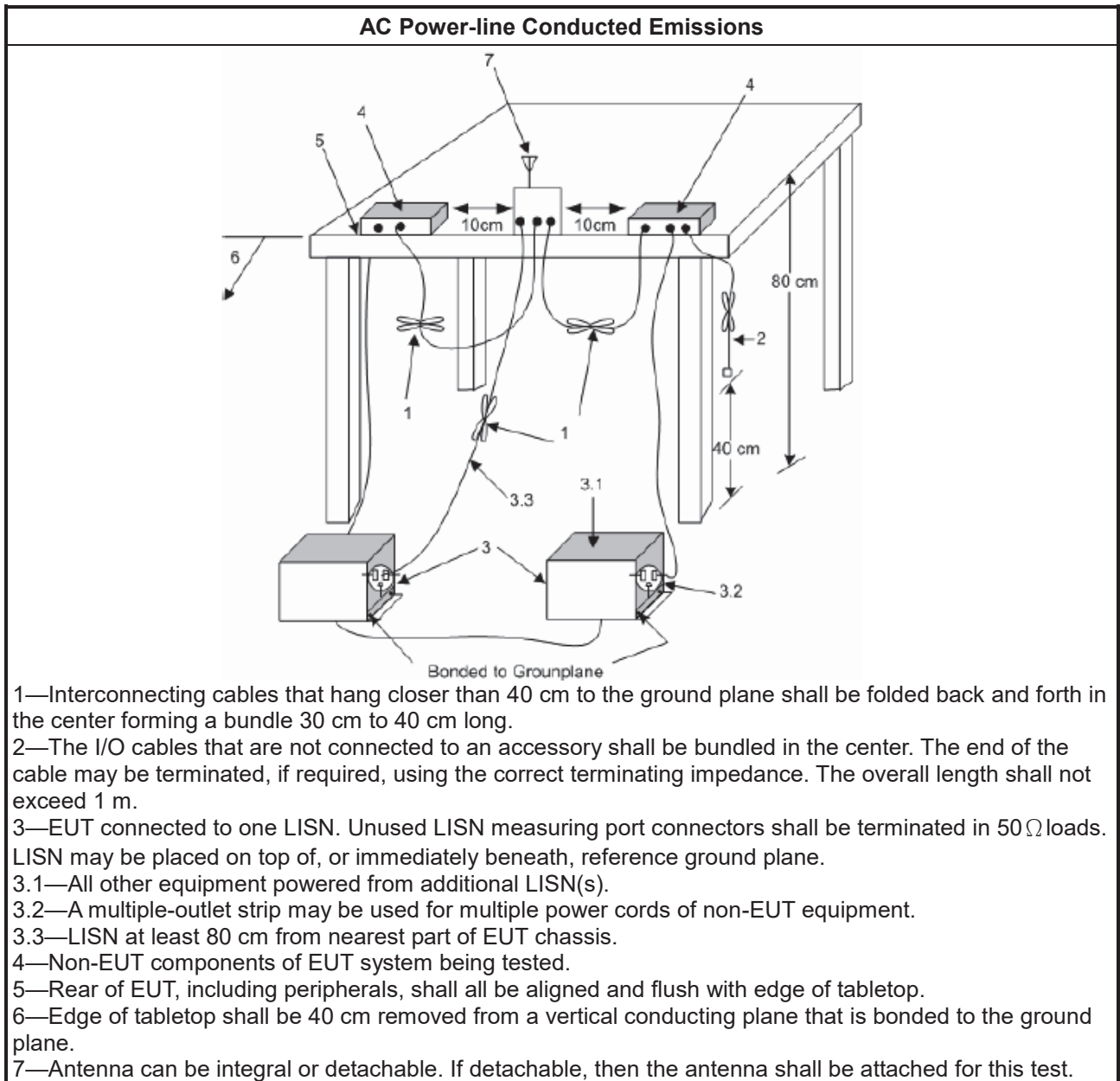
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 3.1.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.1.5 Test Setup



### 3.1.6 Test Result of AC Power-line Conducted Emissions

Refer as Appendix A

### 3.2 DTS Bandwidth

#### 3.2.1 6dB Bandwidth Limit

6dB Bandwidth Limit	
Systems using digital modulation techniques:	
▪	6 dB bandwidth $\geq$ 500 kHz.

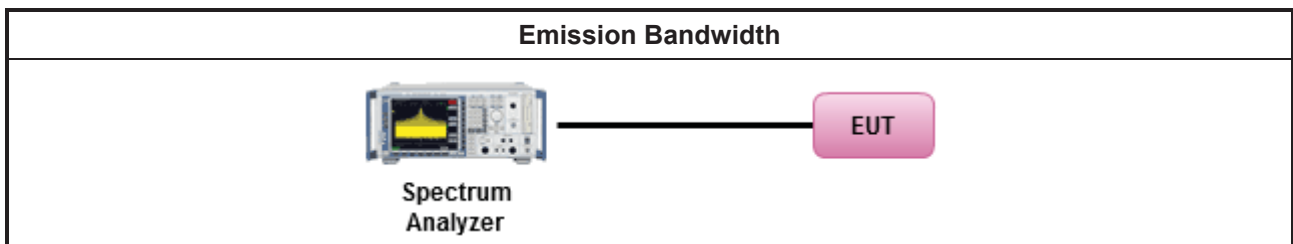
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method	
▪	For the emission bandwidth shall be measured using one of the options below:
<input checked="" type="checkbox"/>	Refer as KDB 558074. clause 8.2 (11.8 of ANSI C63.10) DTS bandwidth measurement.
<input type="checkbox"/>	Refer as RSS-Gen, clause 6.7 for occupied bandwidth testing.
<input type="checkbox"/>	Refer as ANSI C63.10, clause 6.9.3 for occupied bandwidth testing.

#### 3.2.4 Test Setup



#### 3.2.5 Test Result of Emission Bandwidth

Refer as Appendix B



### 3.3 Maximum Conducted Output Power

#### 3.3.1 Maximum Conducted Output Power Limit

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

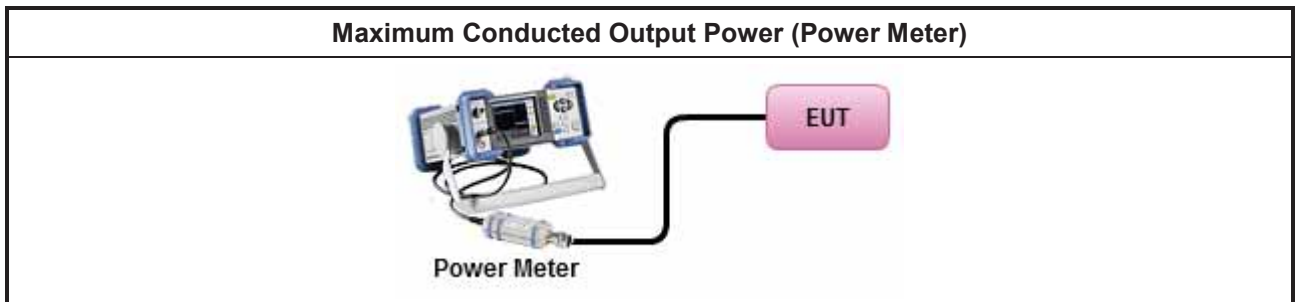
#### 3.3.2 Measuring Instruments

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

### 3.3.3 Test Procedures

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

### 3.3.4 Test Setup



### 3.3.5 Test Result of Maximum Conducted Output Power

Refer as Appendix C

### 3.4 Power Spectral Density

#### 3.4.1 Power Spectral Density Limit

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

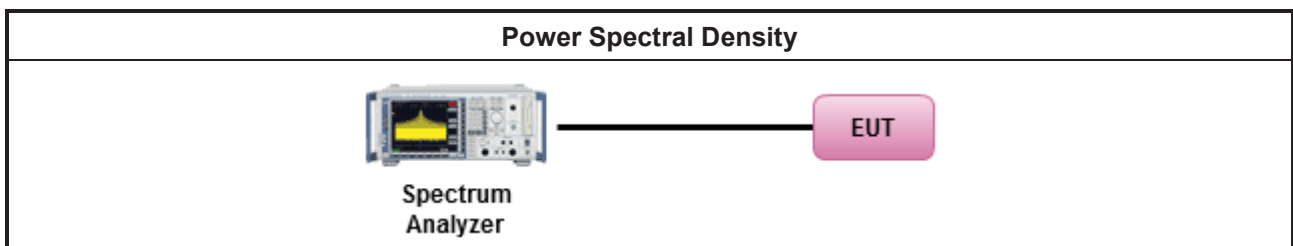
#### 3.4.2 Measuring Instruments

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

#### 3.4.3 Test Procedures

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

#### 3.4.4 Test Setup



#### 3.4.5 Test Result of Power Spectral Density

Refer as Appendix D

### 3.5 Emissions in Non-restricted Frequency Bands

#### 3.5.1 Emissions in Non-restricted Frequency Bands Limit

Un-restricted Band Emissions Limit	
RF output power procedure	Limit (dB)
Peak output power procedure	20
Average output power procedure	30

Note 1: If the peak output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 20 dB relative to the maximum measured in-band peak level.

Note 2: If the average output power procedure is used to measure the fundamental emission power to demonstrate compliance to requirements, then the power in any 100 kHz outside of the authorized frequency band shall be attenuated by at least 30 dB relative to the maximum measured in-band average level.

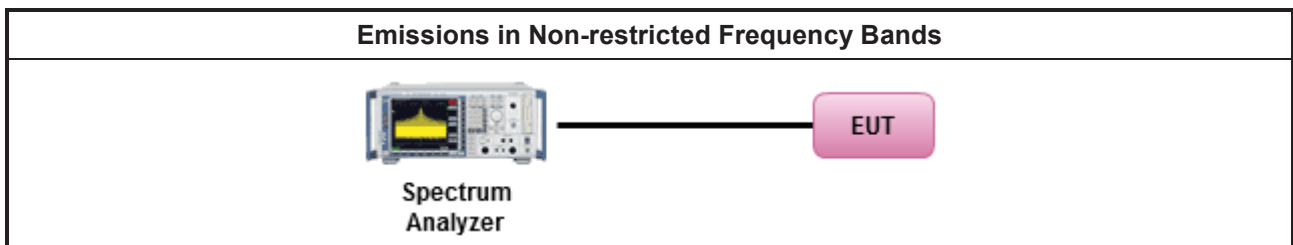
#### 3.5.2 Measuring Instruments

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

#### 3.5.3 Test Procedures

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

#### 3.5.4 Test Setup



#### 3.5.5 Test Result of Emissions in Non-restricted Frequency Bands

Refer as Appendix E

### 3.6 Emissions in Restricted Frequency Bands

#### 3.6.1 Emissions in Restricted Frequency Bands Limit

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

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

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

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

#### 3.6.2 Measuring Instruments

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

### 3.6.3 Test Procedures

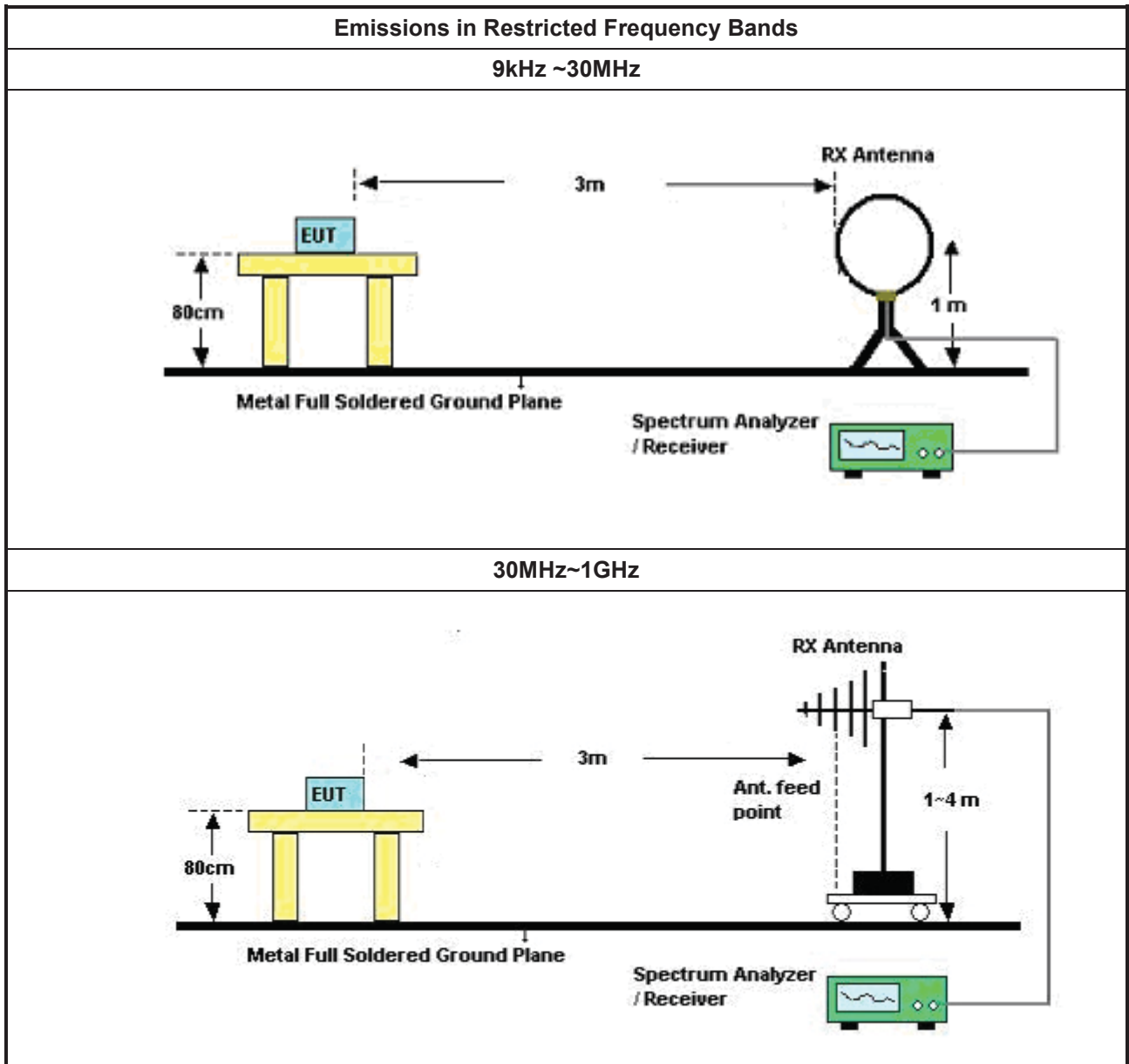
Test Method	
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest frequency channel and highest frequency channel within the allowed operating band.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For the transmitter unwanted emissions shall be measured using following options below:</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 8.6 (11.12 of ANSI C63.10) for restricted frequency bands.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ For the transmitter band-edge emissions shall be measured using following options below:</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 8.7.2 (6.10.6 of ANSI C63.10) for marker-delta method for band-edge measurements.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as KDB 558074, clause 8.7.3 for narrower resolution bandwidth (100kHz) using the band power and summing the spectral levels.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Use the following spectrum analyzer settings:</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Set RBW=100 kHz for <math>f &lt; 1</math> GHz; VBW=3 * RBW; Sweep = auto; Detector function = peak; Trace = max hold.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Set RBW = 1 MHz, VBW= 3MHz for <math>f \geq 1</math> GHz for peak measurement. For average measurement, refer as 1.1.4.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ KDB 414788 Open-Field Test Sites and Chamber Correlation Justification.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ 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.</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Open-field site and chamber correlation testing had been performed and chamber measured test result is the worst case test result.</li> </ul>

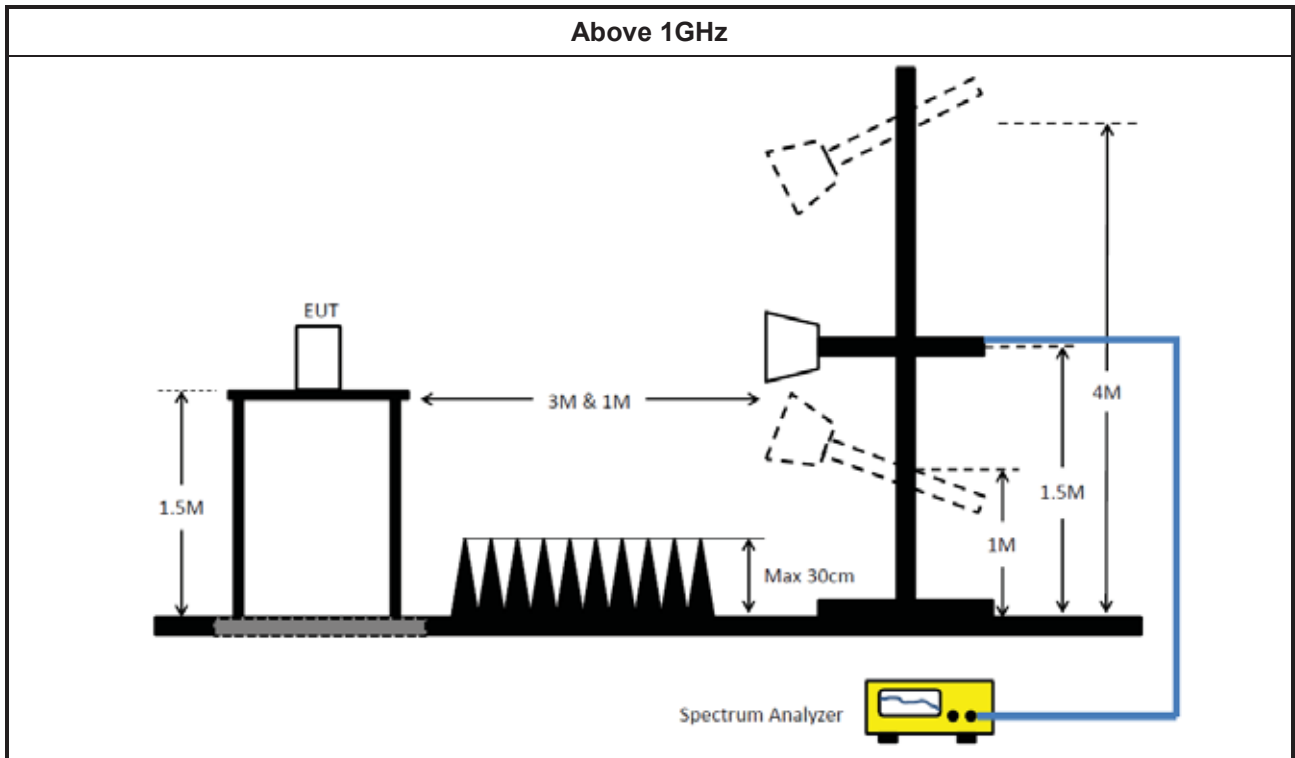
### 3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

### 3.6.5 Test Setup





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

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

**3.6.7 Test Result of Emissions in Restricted Frequency Bands**

Refer as Appendix F





## 4 Test Equipment and Calibration Data

### Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	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	26/Oct/2021	25/Oct/2022
Software	Sporton	SENSE-EMI	V5.10.14	-	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	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
SMB100A Signal Generator	R&S	SMB100A	181147	100kHz~40GHz	21/Oct/2021	20/Oct/2022
Pulse Sensor	Anritsu	MA2411B	0917017	300MHz~40GHz	21/Feb/2022	20/Feb/2023
Power Meter	Anritsu	ML2495A	0949003	300MHz~40GHz	21/Feb/2022	20/Feb/2023
SENSE-15247_DTS	Sporton	5.10.8.1	N/A	N/A	N/A	N/A



**Instrument for Radiated Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	30MHz~1GHz 3m	03/Aug/2021	02/Aug/2022
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	01/Aug/2021	31/Jul/2022
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Amplifier	HP	8447D	2944A08033	10kHz~1.3GHz	08/Apr/2022	07/Apr/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 6dB Attenuator	SCHAFFNER / EMCI	CBL6112B / N-6-05	22237 / AT-N-0603	30MHz~1GHz	17/Oct/2021	16/Oct/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	16/Jun/2021	15/Jun/2022
RF Cable-R03m	Jye Bao	RG142	CB021	9kHz~30MHz	13/Jun/2022	12/Jun/2023
RF Cable-R03m	Jye Bao	RG142	MY37335/4+CB021-1+CB021-2	30MHz~1GHz	22/Mar/2022	21/Mar/2023
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	MY38596/4+SN804300/4	1GHz~40GHz	28/Jul/2021	27/Jul/2022
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
Loop Antenna	Teseq	HLA 6120	24155	9kHz~30MHz	14/May/2022	13/May/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	13/May/2022	12/May/2023
Microwave Preampplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	15/Jul/2021	14/Jul/2022
SENSE-15247_DTS	Sporton	V5.10.7.18	N/A	N/A	N/A	N/A

**Instrument for Radiated Emission Co-location Test**

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH03-HY	1GHz~18GHz 3m	02/Aug/2022	01/Aug/2023
Signal Analyzer	R&S	FSV40	101500	10Hz~40GHz	12/Oct/2021	11/Oct/2022
Microwave Preampplier	Agilent	8449B	3008A02326	1GHz~26.5GHz	14/Jul/2022	13/Jul/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02267	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
RF CABLE 5+6m	HUBER+SUHNER	SUOFLEX 104	03CH03-cable-01	1GHz~40GHz	27/Jul/2022	26/Jul/2023
Broadband Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA 9170221	15GHz~40GHz	18/Mar/2022	17/Mar/2023
Microwave Prempplier	EMC INSTRUMENTS	EM18G40G	060604	18GHz ~ 40GHz	08/Mar/2022	07/Mar/2023
SENSE-EMI	Sporton	v5.10.8.6	NA	NA	NA	NA



## Conducted Emissions at Powerline\_Non-Beamforming\_Radio 1 Appendix A.1

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### Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	2.404M	26.98	56.00	-29.02	Line



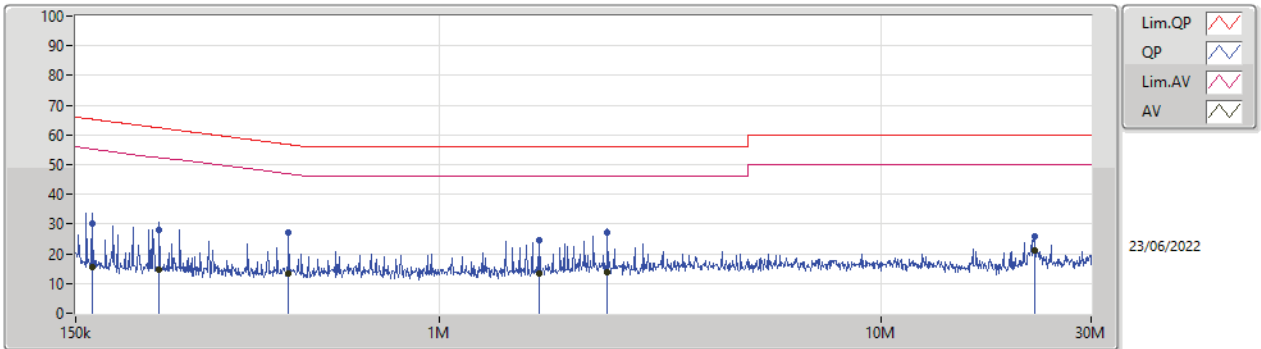
## Conducted Emissions at Powerline\_Non-Beamforming\_Radio 1 Appendix A.1

### Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.117k	30.31	65.31	-35.00	Line	-
Mode 1	Pass	AV	163.117k	15.50	55.31	-39.81	Line	-
Mode 1	Pass	QP	231.775k	27.97	62.39	-34.42	Line	-
Mode 1	Pass	AV	231.775k	14.58	52.39	-37.81	Line	-
Mode 1	Pass	QP	455.055k	27.35	56.78	-29.43	Line	-
Mode 1	Pass	AV	455.055k	13.18	46.78	-33.60	Line	-
Mode 1	Pass	QP	1.685M	24.45	56.00	-31.55	Line	-
Mode 1	Pass	AV	1.685M	13.29	46.00	-32.71	Line	-
Mode 1	Pass	QP	2.404M	26.98	56.00	-29.02	Line	-
Mode 1	Pass	AV	2.404M	13.89	46.00	-32.11	Line	-
Mode 1	Pass	QP	22.396M	25.67	60.00	-34.33	Line	-
Mode 1	Pass	AV	22.396M	20.93	50.00	-29.07	Line	-
Mode 1	Pass	QP	160.533k	27.89	65.43	-37.54	Neutral	-
Mode 1	Pass	AV	160.533k	15.50	55.43	-39.93	Neutral	-
Mode 1	Pass	QP	203.167k	23.67	63.48	-39.81	Neutral	-
Mode 1	Pass	AV	203.167k	14.40	53.48	-39.08	Neutral	-
Mode 1	Pass	QP	418.461k	23.09	57.47	-34.38	Neutral	-
Mode 1	Pass	AV	418.461k	12.91	47.47	-34.56	Neutral	-
Mode 1	Pass	QP	1.862M	25.42	56.00	-30.58	Neutral	-
Mode 1	Pass	AV	1.862M	13.56	46.00	-32.44	Neutral	-
Mode 1	Pass	QP	19.553M	20.21	60.00	-39.79	Neutral	-
Mode 1	Pass	AV	19.553M	14.26	50.00	-35.74	Neutral	-
Mode 1	Pass	QP	22.485M	21.79	60.00	-38.21	Neutral	-
Mode 1	Pass	AV	22.485M	18.04	50.00	-31.96	Neutral	-

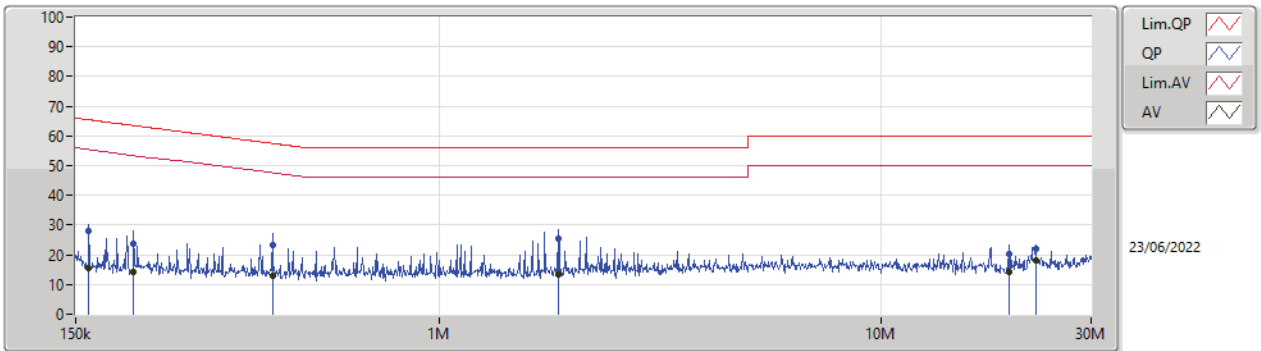


### Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	163.117k	30.31	65.31	-35.00	19.63	Line	-	10.68	9.69	0.03	9.91
AV	163.117k	15.50	55.31	-39.81	19.63	Line	-	-4.13	9.69	0.03	9.91
QP	231.775k	27.97	62.39	-34.42	19.63	Line	-	8.34	9.69	0.03	9.91
AV	231.775k	14.58	52.39	-37.81	19.63	Line	-	-5.05	9.69	0.03	9.91
QP	455.055k	27.35	56.78	-29.43	19.63	Line	-	7.72	9.68	0.04	9.91
AV	455.055k	13.18	46.78	-33.60	19.63	Line	-	-6.45	9.68	0.04	9.91
QP	1.685M	24.45	56.00	-31.55	19.69	Line	-	4.76	9.70	0.07	9.92
AV	1.685M	13.29	46.00	-32.71	19.69	Line	-	-6.40	9.70	0.07	9.92
QP	2.404M	26.98	56.00	-29.02	19.71	Line	-	7.27	9.70	0.09	9.92
AV	2.404M	13.89	46.00	-32.11	19.71	Line	-	-5.82	9.70	0.09	9.92
QP	22.396M	25.67	60.00	-34.33	20.02	Line	-	5.65	9.80	0.29	9.93
AV	22.396M	20.93	50.00	-29.07	20.02	Line	-	0.91	9.80	0.29	9.93

### Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	160.533k	27.89	65.43	-37.54	19.67	Neutral	-	8.22	9.73	0.03	9.91
AV	160.533k	15.50	55.43	-39.93	19.67	Neutral	-	-4.17	9.73	0.03	9.91
QP	203.167k	23.67	63.48	-39.81	19.66	Neutral	-	4.01	9.72	0.03	9.91
AV	203.167k	14.40	53.48	-39.08	19.66	Neutral	-	-5.26	9.72	0.03	9.91
QP	418.461k	23.09	57.47	-34.38	19.67	Neutral	-	3.42	9.72	0.04	9.91
AV	418.461k	12.91	47.47	-34.56	19.67	Neutral	-	-6.76	9.72	0.04	9.91
QP	1.862M	25.42	56.00	-30.58	19.74	Neutral	-	5.68	9.74	0.08	9.92
AV	1.862M	13.56	46.00	-32.44	19.74	Neutral	-	-6.18	9.74	0.08	9.92
QP	19.553M	20.21	60.00	-39.79	20.19	Neutral	-	0.02	9.99	0.27	9.93
AV	19.553M	14.26	50.00	-35.74	20.19	Neutral	-	-5.93	9.99	0.27	9.93
QP	22.485M	21.79	60.00	-38.21	20.25	Neutral	-	1.54	10.03	0.29	9.93
AV	22.485M	18.04	50.00	-31.96	20.25	Neutral	-	-2.21	10.03	0.29	9.93



## Conducted Emissions at Powerline\_Non-Beamforming\_Radio 3 Appendix A.2

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### Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	2.473M	28.90	56.00	-27.10	Line



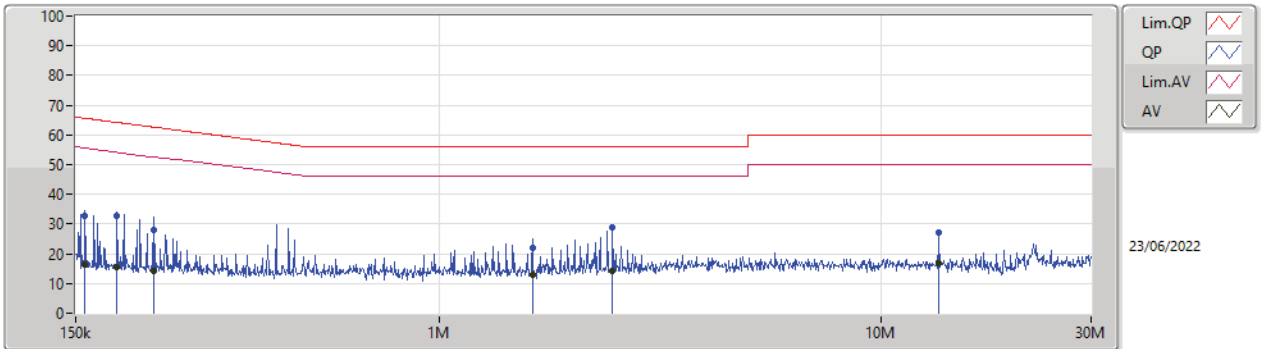
## Conducted Emissions at Powerline\_Non-Beamforming\_Radio 3 Appendix A.2

### Result

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	157.361k	32.82	65.60	-32.78	Line	-
Mode 1	Pass	AV	157.361k	16.57	55.60	-39.03	Line	-
Mode 1	Pass	QP	186.085k	32.61	64.20	-31.59	Line	-
Mode 1	Pass	AV	186.085k	15.33	54.20	-38.87	Line	-
Mode 1	Pass	QP	225.388k	27.84	62.62	-34.78	Line	-
Mode 1	Pass	AV	225.388k	14.35	52.62	-38.27	Line	-
Mode 1	Pass	QP	1.626M	22.12	56.00	-33.88	Line	-
Mode 1	Pass	AV	1.626M	12.90	46.00	-33.10	Line	-
Mode 1	Pass	QP	2.473M	28.90	56.00	-27.10	Line	-
Mode 1	Pass	AV	2.473M	14.03	46.00	-31.97	Line	-
Mode 1	Pass	QP	13.543M	27.07	60.00	-32.93	Line	-
Mode 1	Pass	AV	13.543M	16.91	50.00	-33.09	Line	-
Mode 1	Pass	QP	221.817k	20.13	62.75	-42.62	Neutral	-
Mode 1	Pass	AV	221.817k	14.00	52.75	-38.75	Neutral	-
Mode 1	Pass	QP	294.502k	20.86	60.40	-39.54	Neutral	-
Mode 1	Pass	AV	294.502k	13.13	50.40	-37.27	Neutral	-
Mode 1	Pass	QP	447.846k	27.34	56.92	-29.58	Neutral	-
Mode 1	Pass	AV	447.846k	13.30	46.92	-33.62	Neutral	-
Mode 1	Pass	QP	1.501M	23.39	56.00	-32.61	Neutral	-
Mode 1	Pass	AV	1.501M	12.88	46.00	-33.12	Neutral	-
Mode 1	Pass	QP	2.22M	26.67	56.00	-29.33	Neutral	-
Mode 1	Pass	AV	2.22M	13.85	46.00	-32.15	Neutral	-
Mode 1	Pass	QP	13.543M	24.81	60.00	-35.19	Neutral	-
Mode 1	Pass	AV	13.543M	17.10	50.00	-32.90	Neutral	-

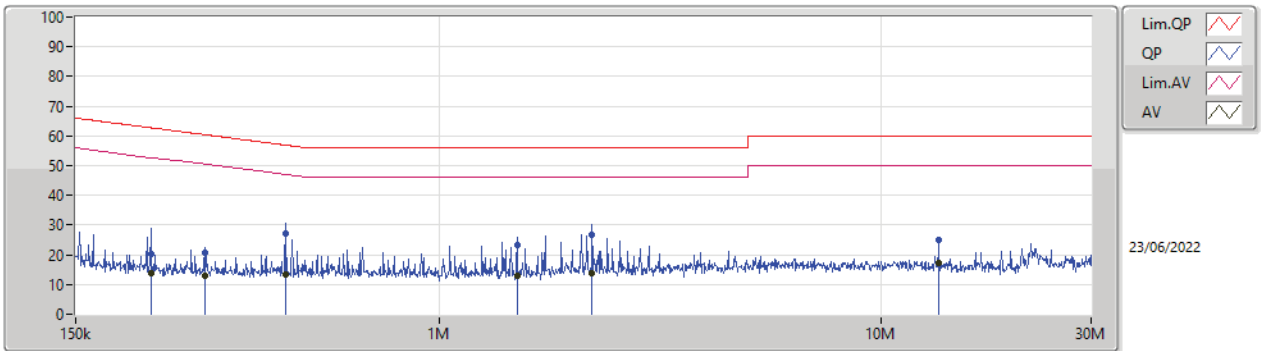


### Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	157.361k	32.82	65.60	-32.78	19.63	Line	-	13.19	9.69	0.03	9.91
AV	157.361k	16.57	55.60	-39.03	19.63	Line	-	-3.06	9.69	0.03	9.91
QP	186.085k	32.61	64.20	-31.59	19.63	Line	-	12.98	9.69	0.03	9.91
AV	186.085k	15.33	54.20	-38.87	19.63	Line	-	-4.30	9.69	0.03	9.91
QP	225.388k	27.84	62.62	-34.78	19.63	Line	-	8.21	9.69	0.03	9.91
AV	225.388k	14.35	52.62	-38.27	19.63	Line	-	-5.28	9.69	0.03	9.91
QP	1.626M	22.12	56.00	-33.88	19.68	Line	-	2.44	9.69	0.07	9.92
AV	1.626M	12.90	46.00	-33.10	19.68	Line	-	-6.78	9.69	0.07	9.92
QP	2.473M	28.90	56.00	-27.10	19.72	Line	-	9.18	9.70	0.10	9.92
AV	2.473M	14.03	46.00	-31.97	19.72	Line	-	-5.69	9.70	0.10	9.92
QP	13.543M	27.07	60.00	-32.93	19.95	Line	-	7.12	9.80	0.22	9.93
AV	13.543M	16.91	50.00	-33.09	19.95	Line	-	-3.04	9.80	0.22	9.93

### Conducted Emissions at Powerline\_Mode 1



Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Factor (dB)	Condition	Comment	Raw (dBuV)	LISN (dB)	CL (dB)	AT (dB)
QP	221.817k	20.13	62.75	-42.62	19.66	Neutral	-	0.47	9.72	0.03	9.91
AV	221.817k	14.00	52.75	-38.75	19.66	Neutral	-	-5.66	9.72	0.03	9.91
QP	294.502k	20.86	60.40	-39.54	19.67	Neutral	-	1.19	9.72	0.04	9.91
AV	294.502k	13.13	50.40	-37.27	19.67	Neutral	-	-6.54	9.72	0.04	9.91
QP	447.846k	27.34	56.92	-29.58	19.67ss	Neutral	-	7.67	9.72	0.04	9.91
AV	447.846k	13.30	46.92	-33.62	19.67	Neutral	-	-6.37	9.72	0.04	9.91
QP	1.501M	23.39	56.00	-32.61	19.73	Neutral	-	3.66	9.74	0.07	9.92
AV	1.501M	12.88	46.00	-33.12	19.73	Neutral	-	-6.85	9.74	0.07	9.92
QP	2.22M	26.67	56.00	-29.33	19.75	Neutral	-	6.92	9.74	0.09	9.92
AV	2.22M	13.85	46.00	-32.15	19.75	Neutral	-	-5.90	9.74	0.09	9.92
QP	13.543M	24.81	60.00	-35.19	20.08	Neutral	-	4.73	9.93	0.22	9.93
AV	13.543M	17.10	50.00	-32.90	20.08	Neutral	-	-2.98	9.93	0.22	9.93





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	7.525M	10.395M	10M4G1D	6.525M	10.27M
802.11g_Nss1,(6Mbps)_4TX	16.35M	16.817M	16M8D1D	16.3M	16.642M
802.11n HT20_Nss1,(MCS0)_4TX	17.6M	17.916M	17M9D1D	17.55M	17.766M
802.11n HT40_Nss1,(MCS0)_4TX	36.35M	36.582M	36M6D1D	35.7M	36.282M
VHT20_Nss1,(MCS0)_4TX	17.6M	17.941M	17M9D1D	17.3M	17.766M
VHT40_Nss1,(MCS0)_4TX	37.7M	37.831M	37M8D1D	35.75M	36.332M
802.11ax HEW20_Nss1,(MCS0)_4TX	19.025M	19.04M	19MOD1D	18.725M	18.941M
802.11ax HEW40_Nss1,(MCS0)_4TX	37.65M	37.881M	37M9D1D	36.05M	37.581M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	7.025M	10.27M	6.525M	10.37M	7.025M	10.395M	7.025M	10.37M
2437MHz	Pass	500k	7.525M	10.345M	7M	10.345M	7M	10.37M	7M	10.37M
2462MHz	Pass	500k	6.575M	10.32M	7.025M	10.32M	6.525M	10.32M	7.05M	10.295M
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	16.325M	16.692M	16.325M	16.817M	16.35M	16.717M	16.325M	16.717M
2437MHz	Pass	500k	16.35M	16.767M	16.35M	16.717M	16.35M	16.767M	16.35M	16.767M
2462MHz	Pass	500k	16.3M	16.642M	16.325M	16.742M	16.35M	16.742M	16.35M	16.667M
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.866M	17.6M	17.841M	17.575M	17.841M	17.55M	17.866M
2437MHz	Pass	500k	17.575M	17.916M	17.6M	17.816M	17.6M	17.891M	17.6M	17.891M
2462MHz	Pass	500k	17.55M	17.841M	17.575M	17.766M	17.575M	17.891M	17.575M	17.766M
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	35.7M	36.282M	36.1M	36.382M	35.9M	36.382M	35.85M	36.282M
2437MHz	Pass	500k	36.3M	36.582M	36.3M	36.382M	36.35M	36.382M	36.35M	36.532M
2452MHz	Pass	500k	36.05M	36.332M	36.3M	36.532M	36.35M	36.432M	36.3M	36.332M
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	17.525M	17.916M	17.575M	17.916M	17.575M	17.941M	17.55M	17.891M
2437MHz	Pass	500k	17.575M	17.941M	17.575M	17.891M	17.575M	17.891M	17.6M	17.916M
2462MHz	Pass	500k	17.3M	17.841M	17.6M	17.866M	17.6M	17.866M	17.55M	17.766M
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.95M	37.581M	36.6M	37.731M	37.25M	37.631M	36.1M	37.631M
2437MHz	Pass	500k	37.7M	37.831M	36.85M	37.681M	37.6M	37.731M	37.65M	37.781M
2452MHz	Pass	500k	35.75M	36.332M	36.35M	36.532M	36.35M	36.482M	36.3M	36.382M
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.875M	18.966M	18.95M	19.015M	18.725M	19.015M	18.875M	18.991M
2437MHz	Pass	500k	19M	19.015M	18.975M	18.991M	18.925M	19.04M	19.025M	19.015M
2462MHz	Pass	500k	18.725M	18.941M	18.8M	19.015M	18.9M	19.015M	18.95M	18.966M
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	37.15M	37.631M	36.35M	37.681M	37.25M	37.631M	36.05M	37.581M
2437MHz	Pass	500k	37.65M	37.881M	37.3M	37.631M	37.3M	37.731M	37.55M	37.881M
2452MHz	Pass	500k	37.15M	37.631M	37.65M	37.731M	37.6M	37.731M	36.6M	37.781M

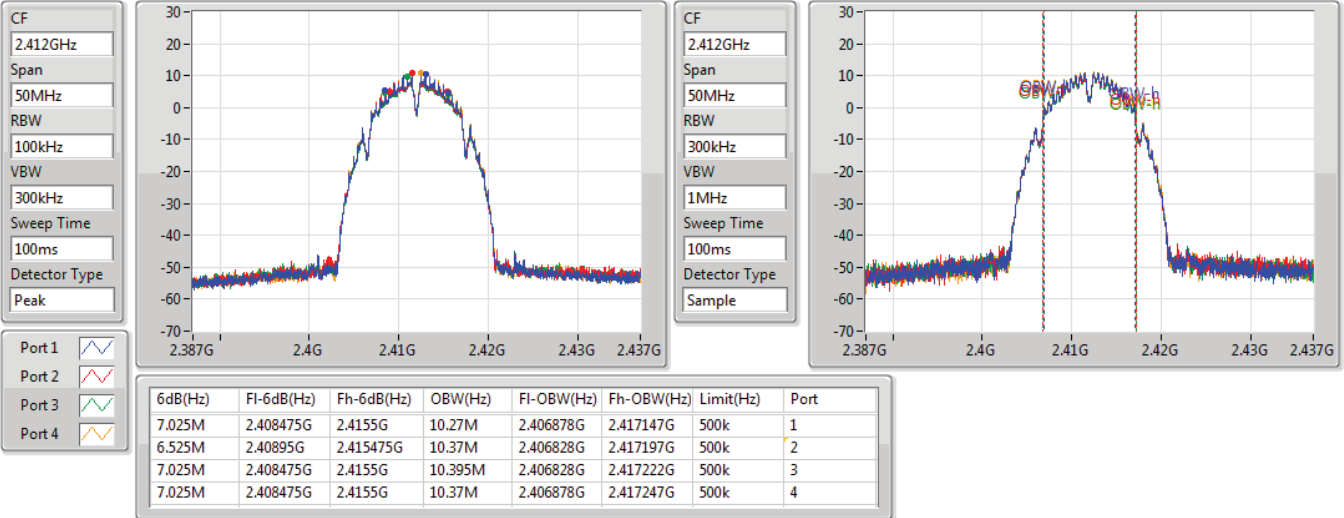
Port X-N dB = Port X 6dB down bandwidth:  
 Port X-OBW = Port X 99% occupied bandwidth

802.11b\_Nss1,(1Mbps)\_4TX

EBW

2412MHz

14/06/2022

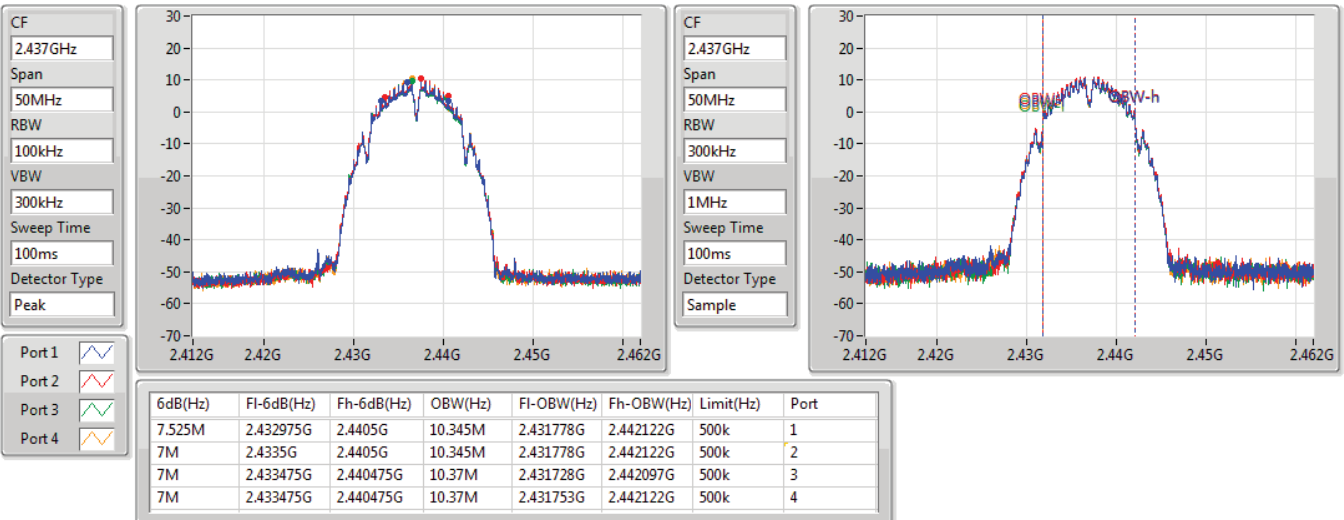


802.11b\_Nss1,(1Mbps)\_4TX

EBW

2437MHz

14/06/2022

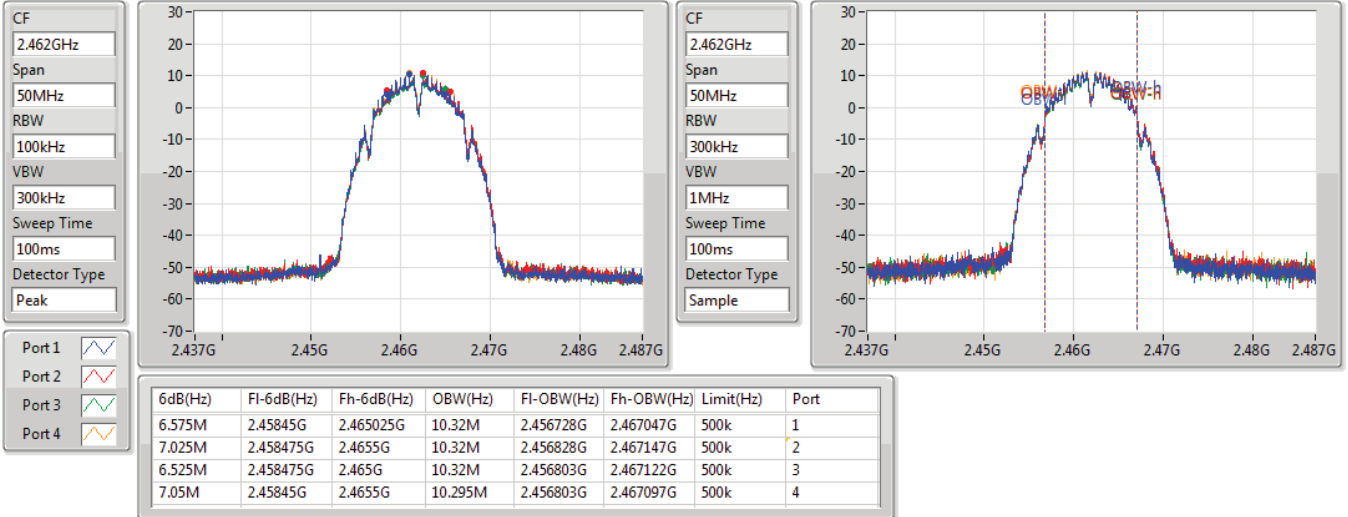


802.11b\_Nss1,(1Mbps)\_4TX

EBW

2462MHz

14/06/2022

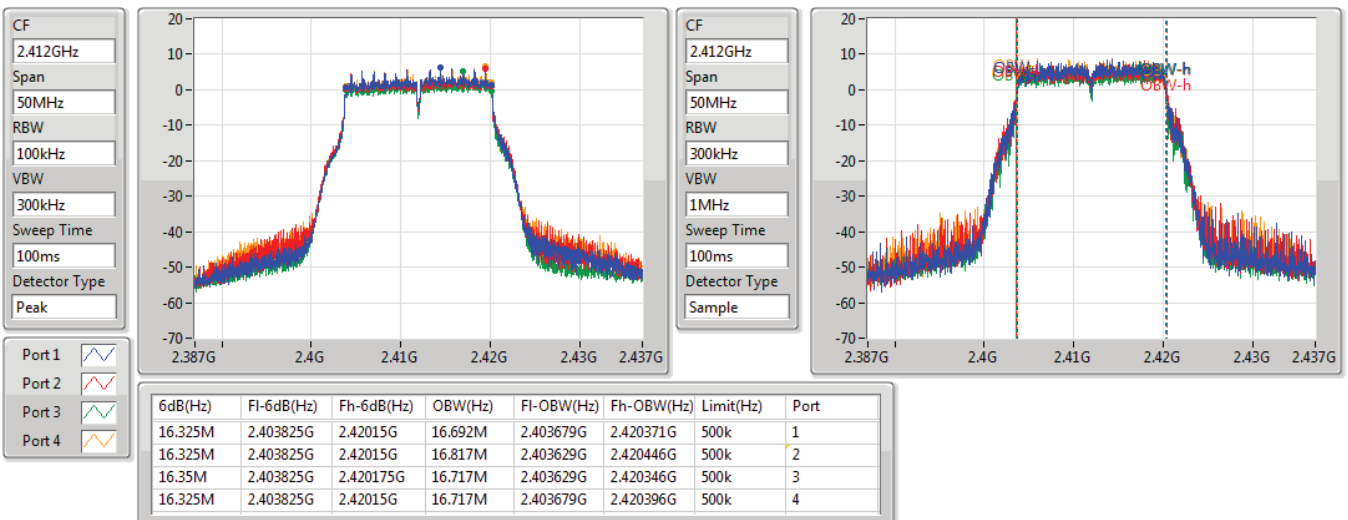


802.11g\_Nss1,(6Mbps)\_4TX

EBW

2412MHz

14/06/2022



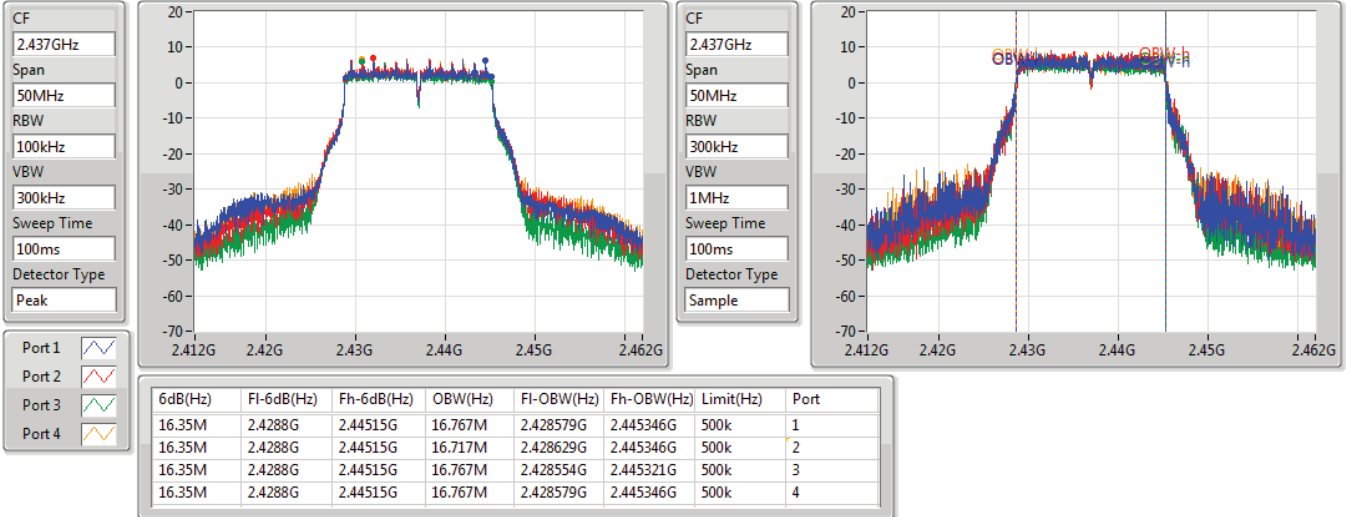


802.11g\_Nss1,(6Mbps)\_4TX

EBW

2437MHz

14/06/2022

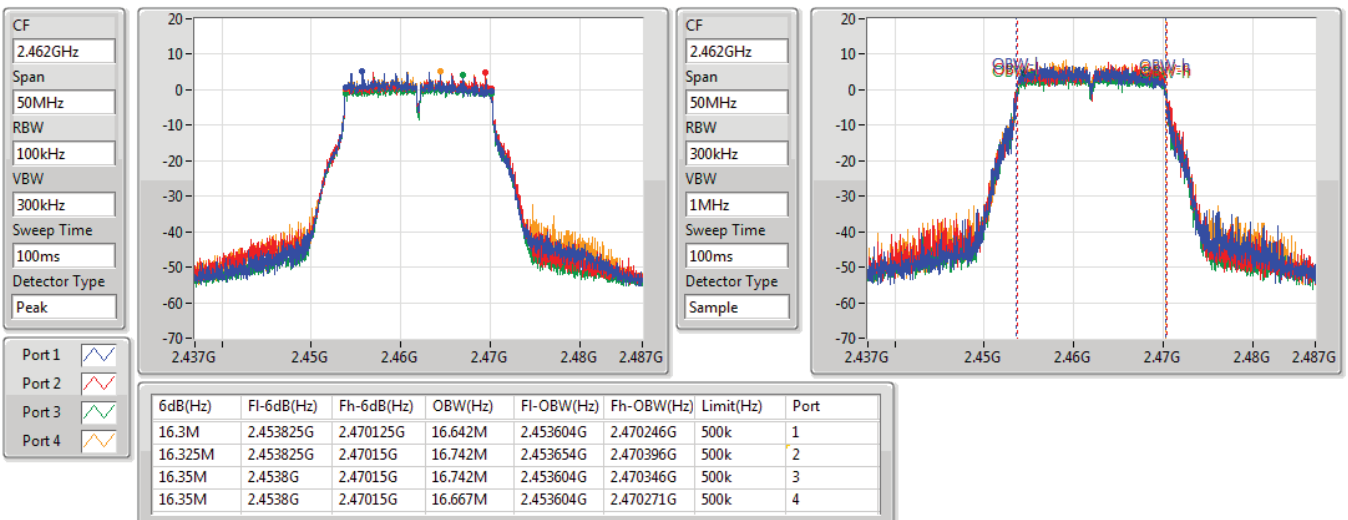


802.11g\_Nss1,(6Mbps)\_4TX

EBW

2462MHz

14/06/2022

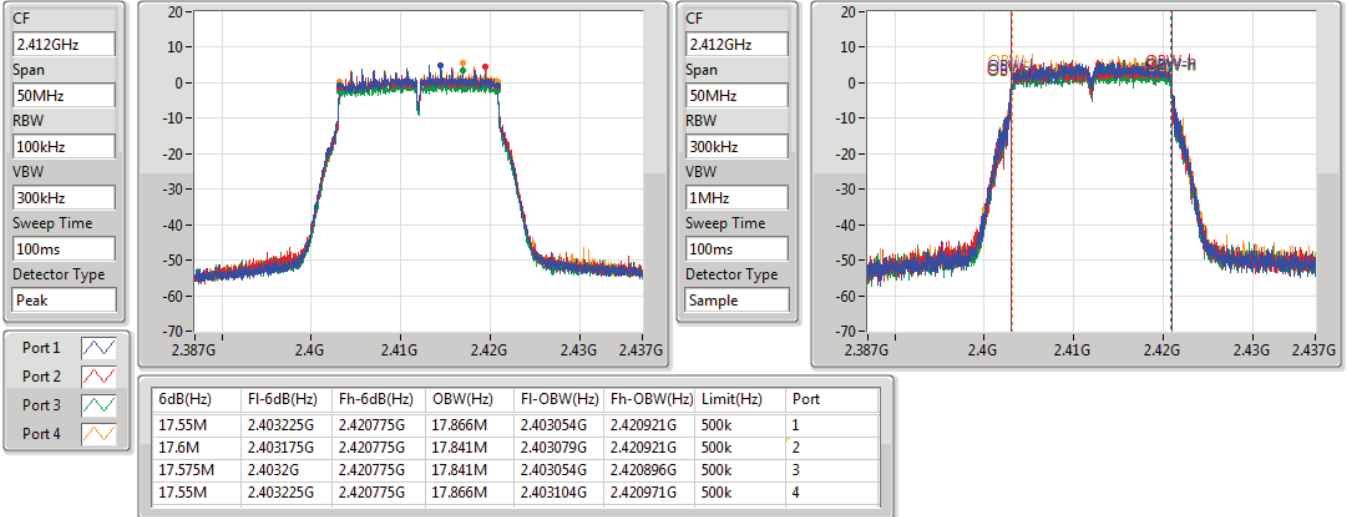


802.11n HT20\_Nss1,(MCS0)\_4TX

EBW

2412MHz

18/06/2022

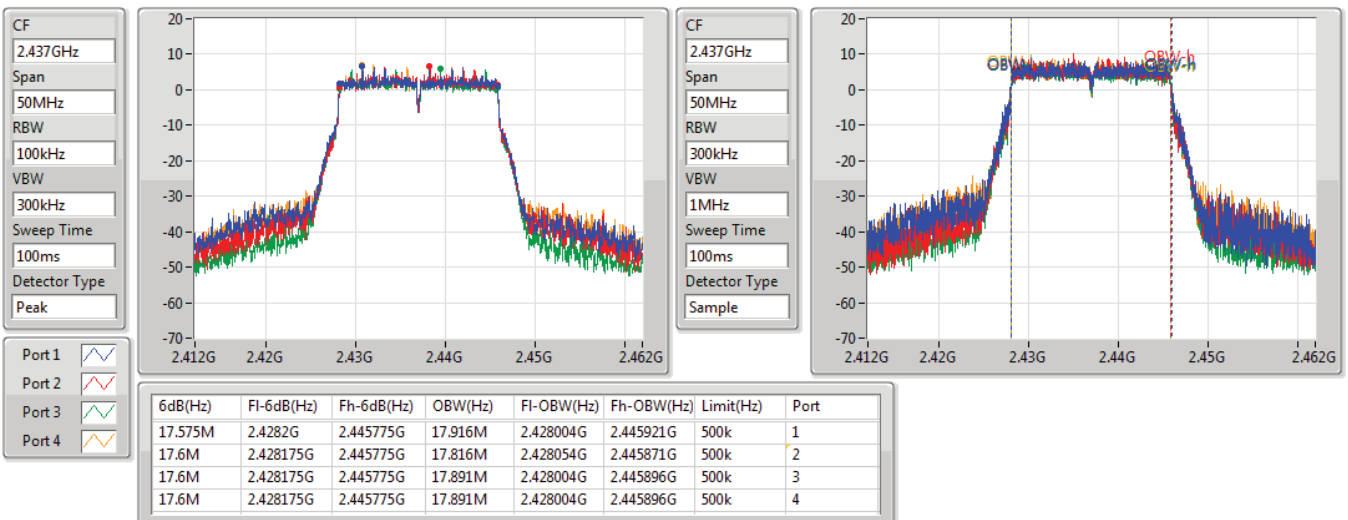


802.11n HT20\_Nss1,(MCS0)\_4TX

EBW

2437MHz

18/06/2022



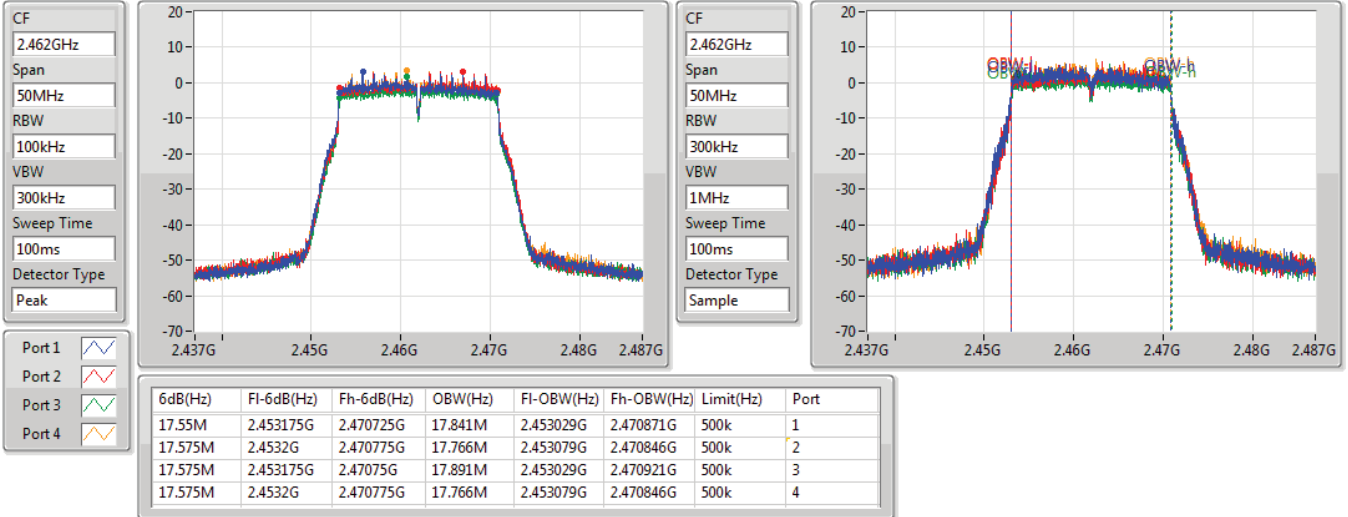


802.11n HT20\_Nss1,(MCS0)\_4TX

EBW

2462MHz

18/06/2022

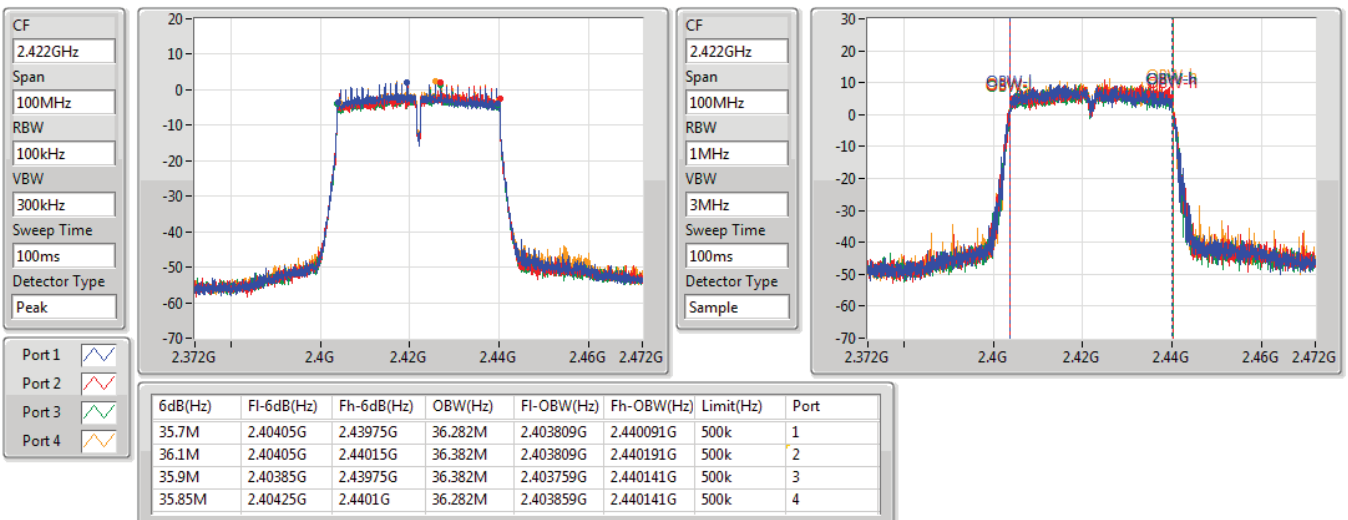


802.11n HT40\_Nss1,(MCS0)\_4TX

EBW

2422MHz

18/06/2022





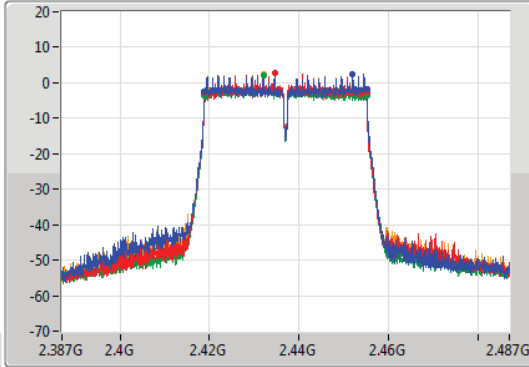
802.11n HT40\_Nss1,(MCS0)\_4TX

EBW

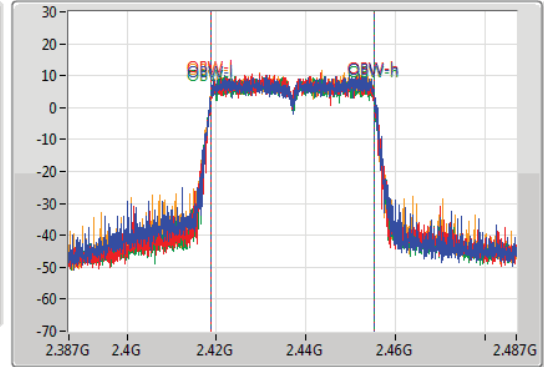
2437MHz

18/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.41885G	2.45515G	36.582M	2.418709G	2.455291G	500k	1
36.3M	2.41885G	2.45515G	36.382M	2.418759G	2.455141G	500k	2
36.35M	2.4188G	2.45515G	36.382M	2.418759G	2.455141G	500k	3
36.35M	2.4188G	2.45515G	36.532M	2.418709G	2.455241G	500k	4

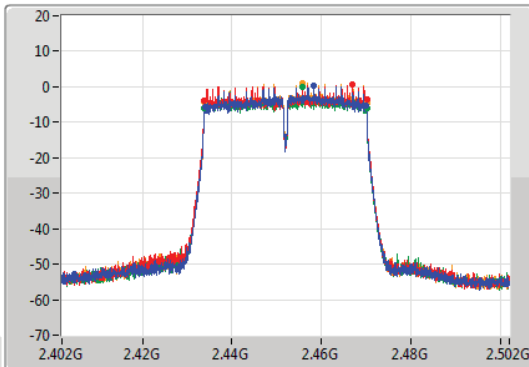
802.11n HT40\_Nss1,(MCS0)\_4TX

EBW

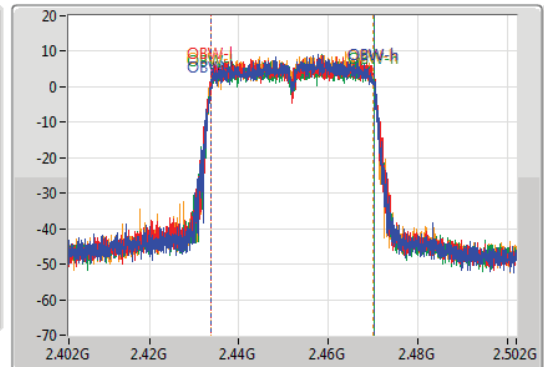
2452MHz

18/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.43405G	2.4701G	36.332M	2.433809G	2.470141G	500k	1
36.3M	2.43385G	2.47015G	36.532M	2.433709G	2.470241G	500k	2
36.35M	2.4338G	2.47015G	36.432M	2.433709G	2.470141G	500k	3
36.3M	2.43385G	2.47015G	36.332M	2.433759G	2.470091G	500k	4



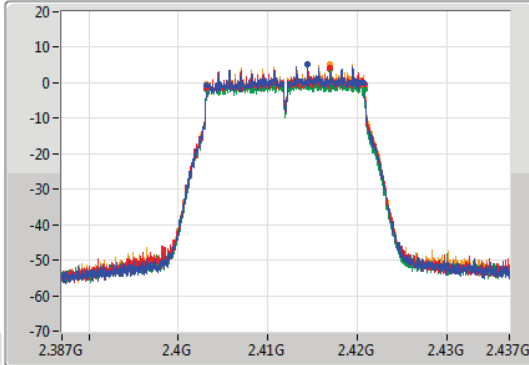
VHT20\_Nss1,(MCS0)\_4TX

EBW

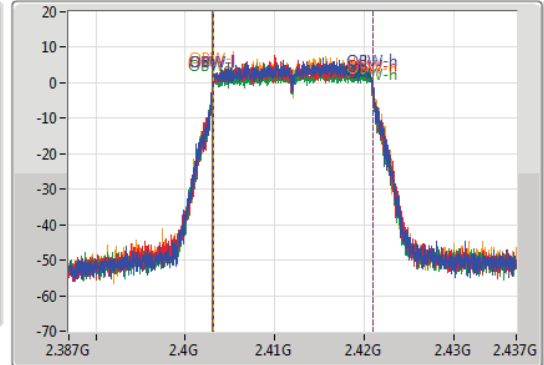
2412MHz

18/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.525M	2.403225G	2.42075G	17.916M	2.403129G	2.421045G	500k	1
17.575M	2.4032G	2.420775G	17.916M	2.403079G	2.420996G	500k	2
17.575M	2.4032G	2.420775G	17.941M	2.403054G	2.420996G	500k	3
17.55M	2.403225G	2.420775G	17.891M	2.403104G	2.420996G	500k	4

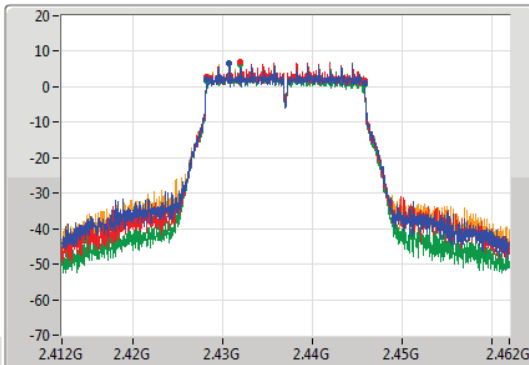
VHT20\_Nss1,(MCS0)\_4TX

EBW

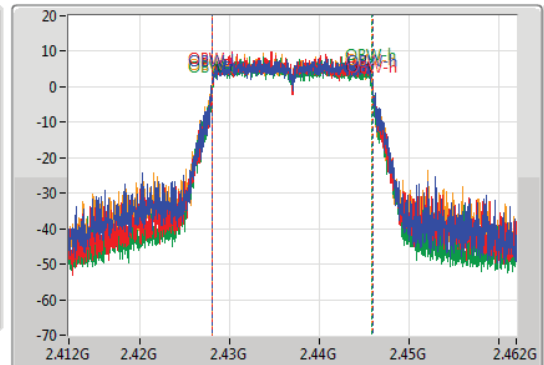
2437MHz

18/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4282G	2.445775G	17.941M	2.428029G	2.445971G	500k	1
17.575M	2.4282G	2.445775G	17.891M	2.428029G	2.445921G	500k	2
17.575M	2.4282G	2.445775G	17.891M	2.428004G	2.445896G	500k	3
17.6M	2.428175G	2.445775G	17.916M	2.42798G	2.445896G	500k	4

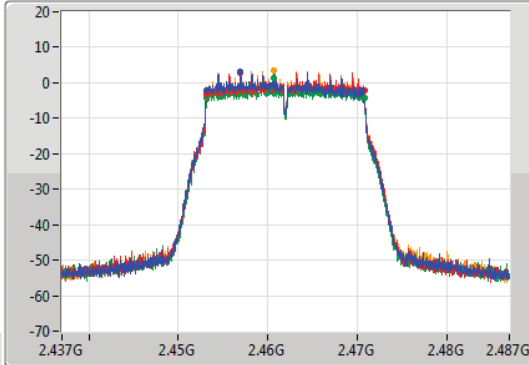
VHT20\_Nss1,(MCS0)\_4TX

EBW

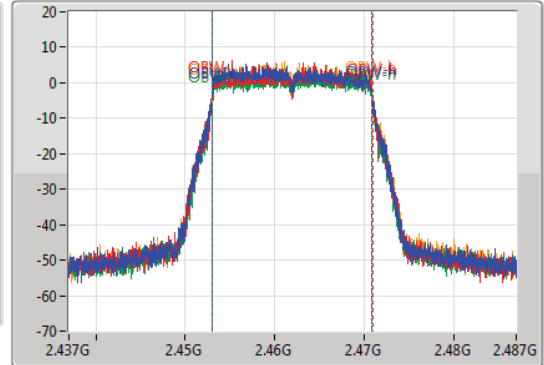
2462MHz

18/06/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.3M	2.4532G	2.4705G	17.841M	2.453029G	2.470871G	500k	1
17.6M	2.453175G	2.470775G	17.866M	2.453054G	2.470921G	500k	2
17.6M	2.453175G	2.470775G	17.866M	2.453029G	2.470896G	500k	3
17.55M	2.4532G	2.47075G	17.766M	2.453054G	2.470821G	500k	4

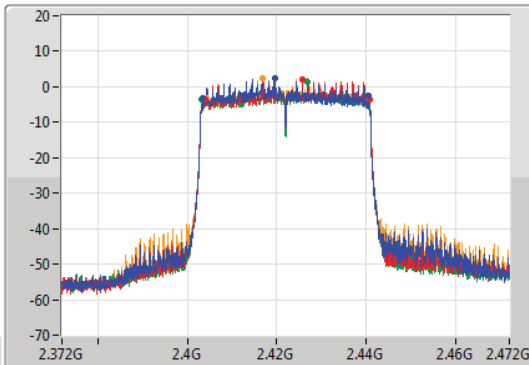
VHT40\_Nss1,(MCS0)\_4TX

EBW

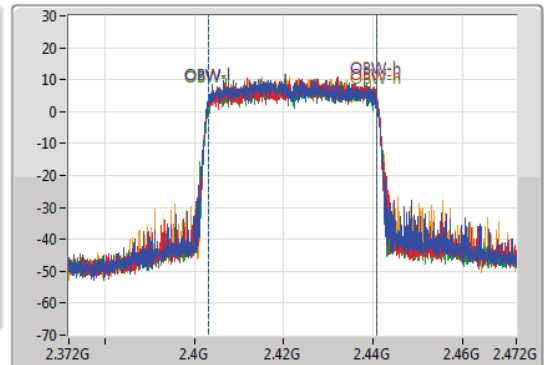
2422MHz

18/06/2022

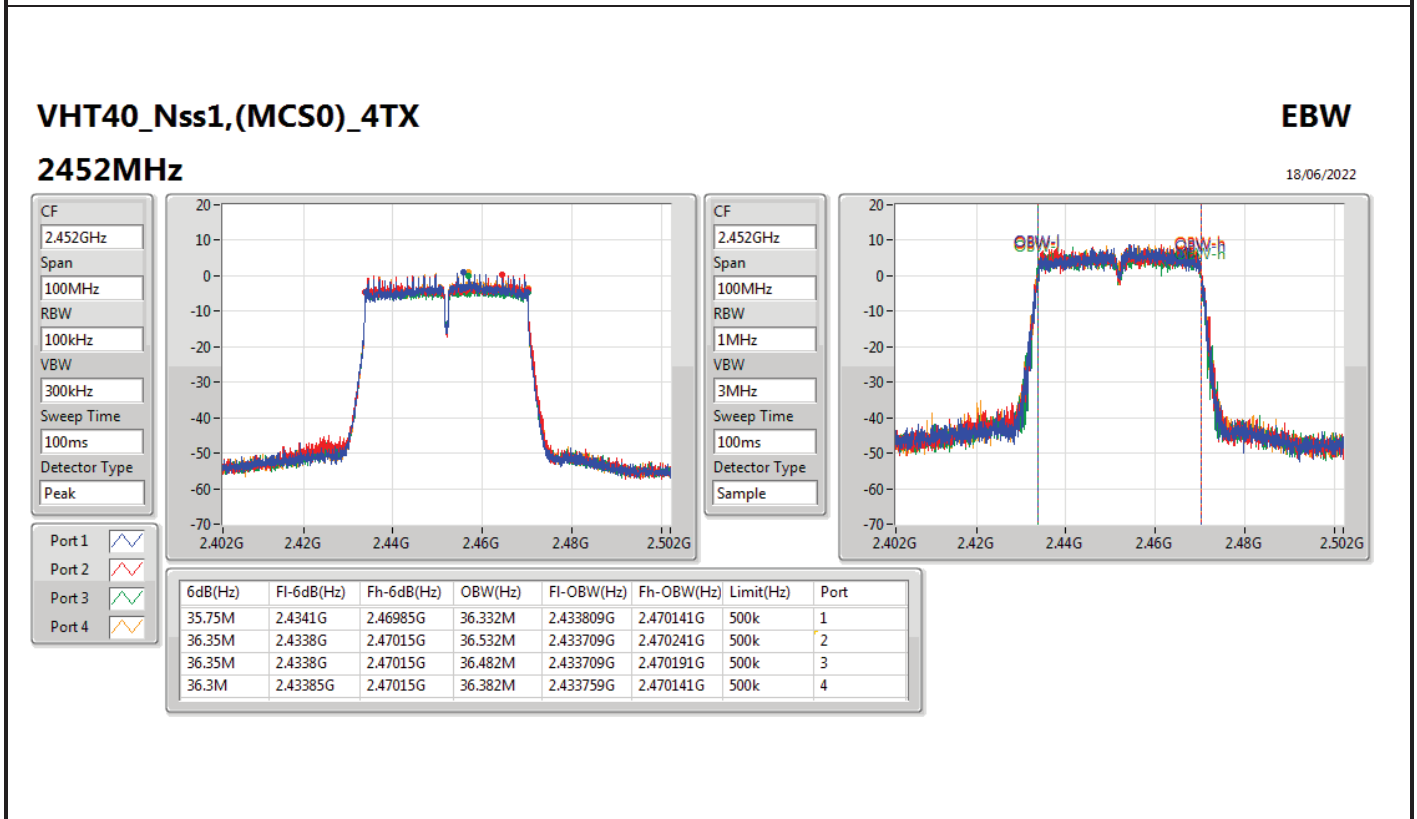
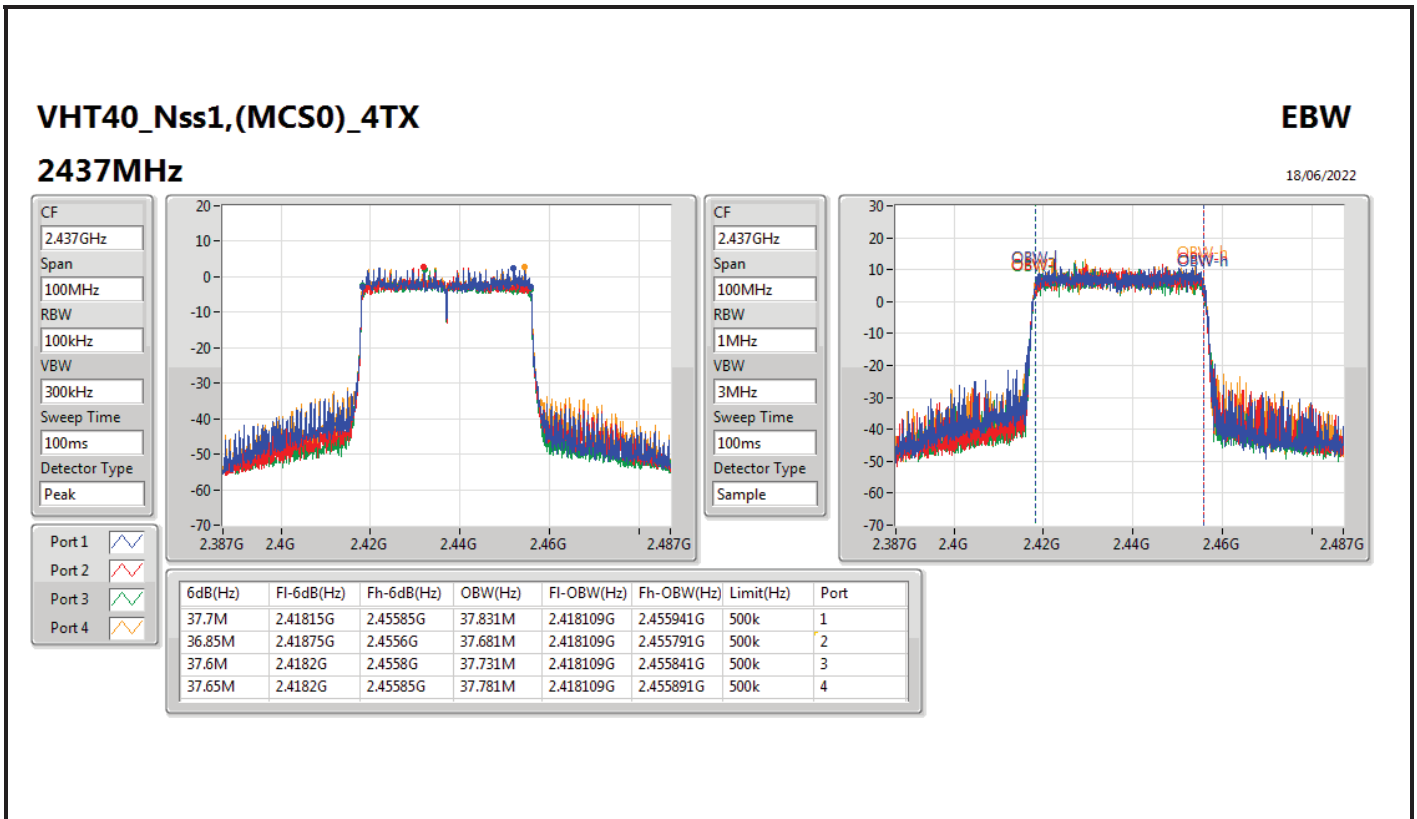
CF  
2.422GHz  
Span  
100MHz  
RBW  
100kHz  
VBW  
300kHz  
Sweep Time  
100ms  
Detector Type  
Peak



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.95M	2.40345G	2.4404G	37.581M	2.403209G	2.440791G	500k	1
36.6M	2.40415G	2.44075G	37.731M	2.403159G	2.440891G	500k	2
37.25M	2.4032G	2.44045G	37.631M	2.403209G	2.440841G	500k	3
36.1M	2.40435G	2.44045G	37.631M	2.403209G	2.440841G	500k	4

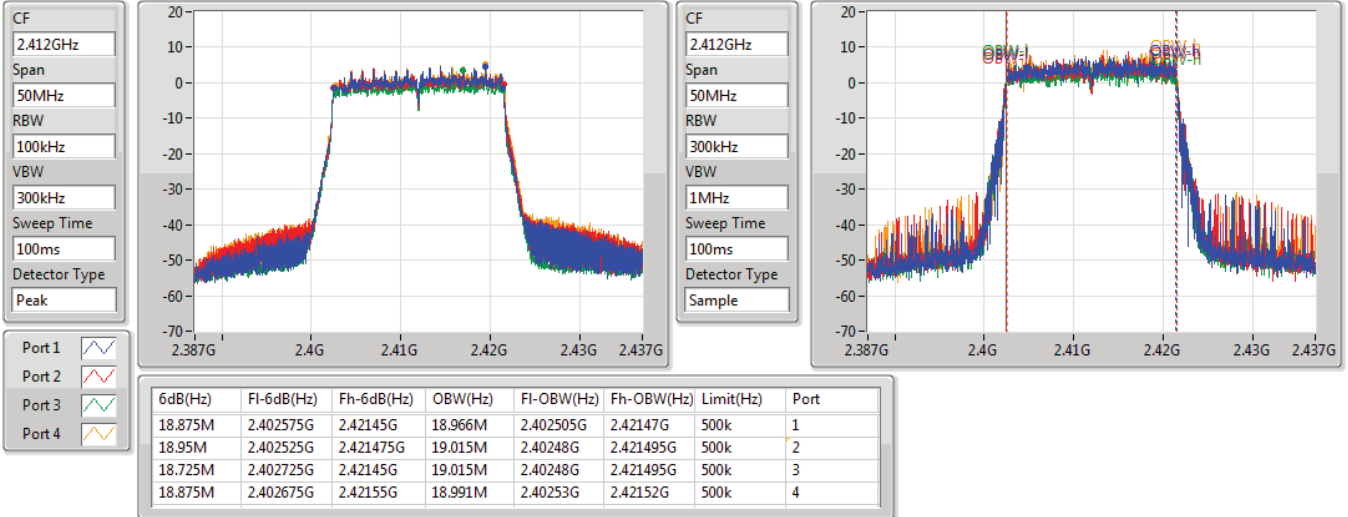


802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

2412MHz

14/06/2022

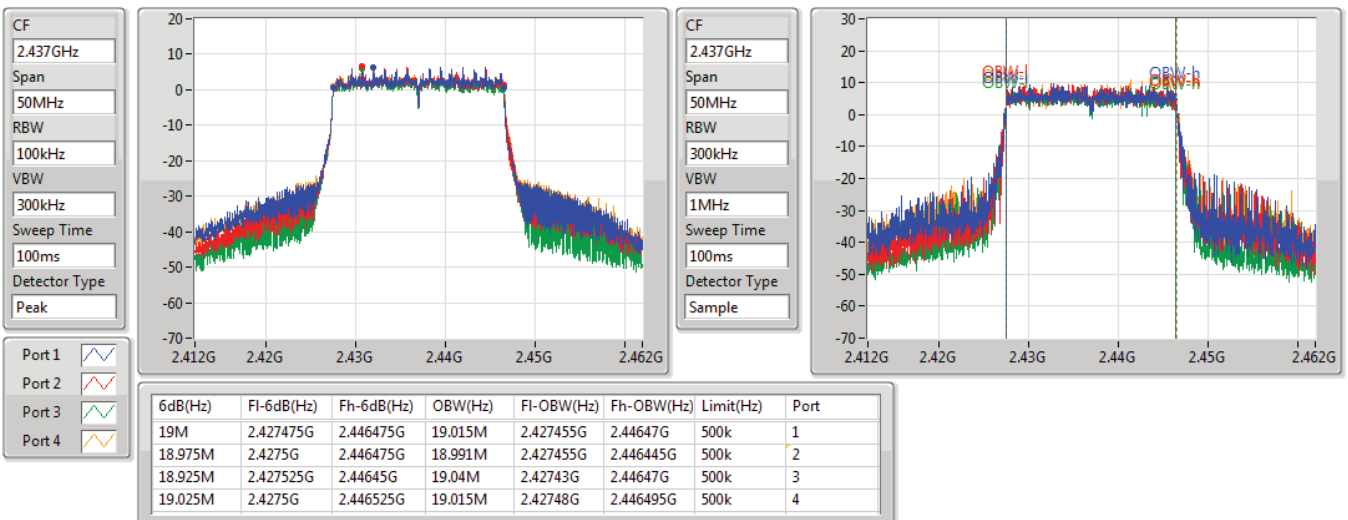


802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

2437MHz

14/06/2022





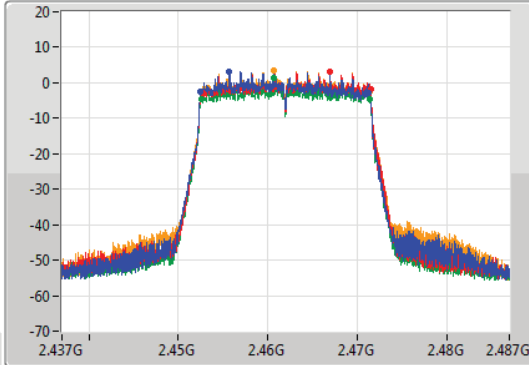
802.11ax HEW20\_Nss1,(MCS0)\_4TX

EBW

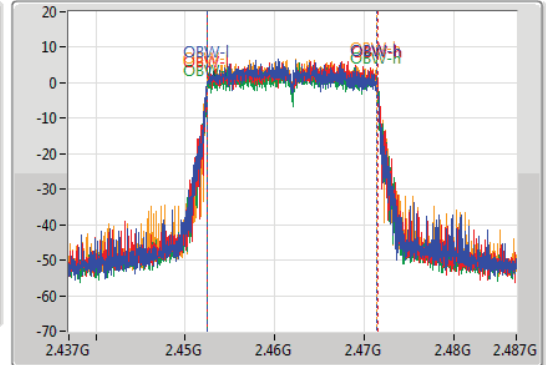
2462MHz

14/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.725M	2.452525G	2.47125G	18.941M	2.452455G	2.471395G	500k	1
18.8M	2.452675G	2.471475G	19.015M	2.45248G	2.471495G	500k	2
18.9M	2.45255G	2.47145G	19.015M	2.452455G	2.47147G	500k	3
18.95M	2.4525G	2.47145G	18.966M	2.45248G	2.471445G	500k	4

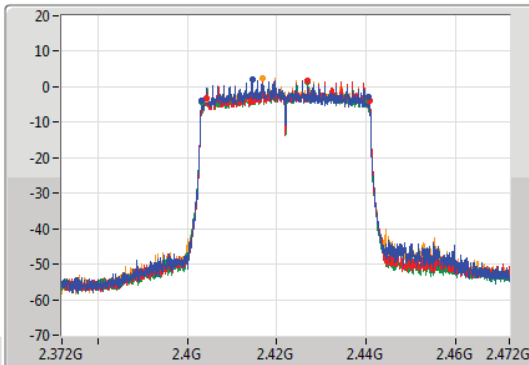
802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

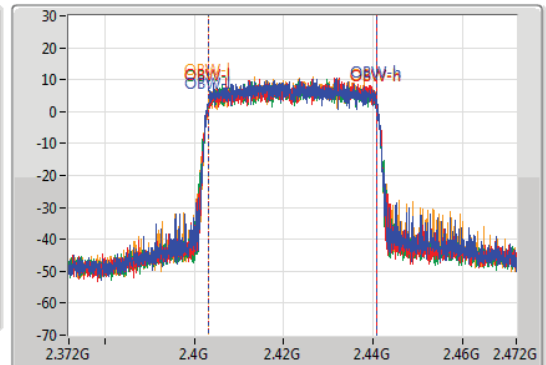
2422MHz

14/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.15M	2.40325G	2.4404G	37.631M	2.403159G	2.440791G	500k	1
36.35M	2.4044G	2.44075G	37.681M	2.403159G	2.440841G	500k	2
37.25M	2.4032G	2.44045G	37.631M	2.403209G	2.440841G	500k	3
36.05M	2.4044G	2.44045G	37.581M	2.403209G	2.440791G	500k	4



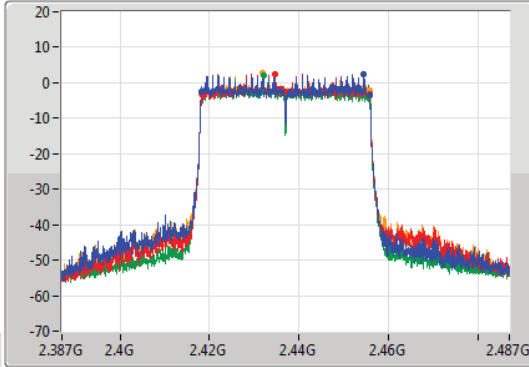
802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

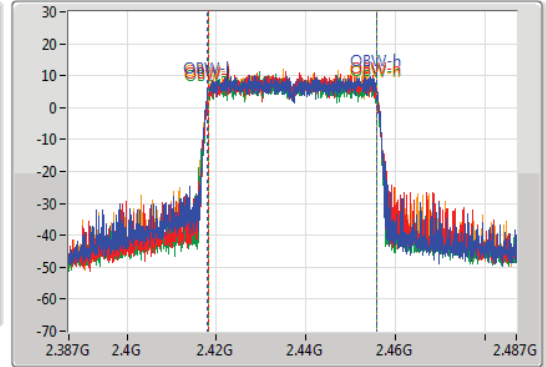
2437MHz

14/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.65M	2.41815G	2.4558G	37.881M	2.418009G	2.455891G	500k	1
37.3M	2.4184G	2.4557G	37.631M	2.418209G	2.455841G	500k	2
37.3M	2.4182G	2.4555G	37.731M	2.418109G	2.455841G	500k	3
37.55M	2.41815G	2.4557G	37.881M	2.418059G	2.455941G	500k	4

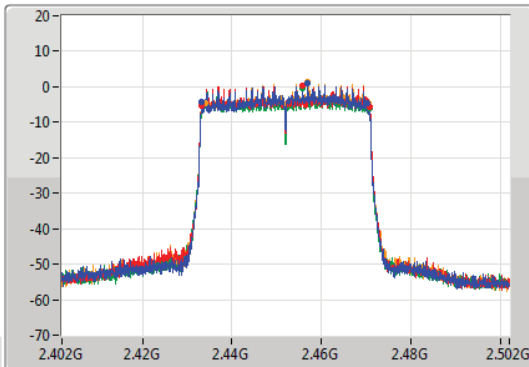
802.11ax HEW40\_Nss1,(MCS0)\_4TX

EBW

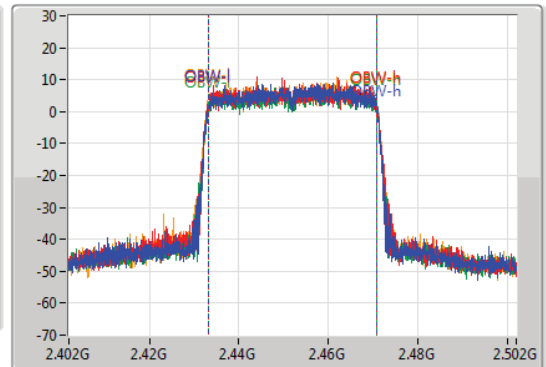
2452MHz

14/06/2022

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



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



Port 1  
Port 2  
Port 3  
Port 4

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.15M	2.4332G	2.47035G	37.631M	2.433159G	2.470791G	500k	1
37.65M	2.4332G	2.47085G	37.731M	2.433109G	2.470841G	500k	2
37.6M	2.43315G	2.47075G	37.731M	2.433109G	2.470841G	500k	3
36.6M	2.4339G	2.4705G	37.781M	2.433059G	2.470841G	500k	4



Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	7.525M	10.345M	10M4G1D	7M	10.245M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.792M	16M8D1D	16.325M	16.667M
802.11n HT20_Nss1,(MCS0)_2TX	17.6M	17.941M	18M0D1D	17.55M	17.816M
802.11n HT40_Nss1,(MCS0)_2TX	36.3M	36.532M	36M6D1D	34.45M	36.332M
VHT20_Nss1,(MCS0)_2TX	17.625M	17.941M	18M0D1D	17.55M	17.841M
VHT40_Nss1,(MCS0)_2TX	36.35M	36.482M	36M5D1D	35M	36.232M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.975M	19.09M	19M1D1D	18.05M	18.966M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.65M	37.681M	37M7D1D	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	7.525M	10.245M	7.025M	10.295M
2437MHz	Pass	500k	7M	10.345M	7.025M	10.295M
2462MHz	Pass	500k	7.025M	10.245M	7.05M	10.27M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.35M	16.792M	16.325M	16.717M
2437MHz	Pass	500k	16.35M	16.692M	16.35M	16.717M
2462MHz	Pass	500k	16.325M	16.767M	16.35M	16.667M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.866M	17.575M	17.816M
2437MHz	Pass	500k	17.575M	17.941M	17.6M	17.916M
2462MHz	Pass	500k	17.55M	17.816M	17.575M	17.816M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.45M	36.382M	36.05M	36.332M
2437MHz	Pass	500k	36.1M	36.432M	36.3M	36.532M
2452MHz	Pass	500k	36.3M	36.382M	36.3M	36.332M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.841M	17.575M	17.866M
2437MHz	Pass	500k	17.575M	17.916M	17.6M	17.891M
2462MHz	Pass	500k	17.55M	17.866M	17.625M	17.941M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.7M	36.432M	35.7M	36.332M
2437MHz	Pass	500k	36.3M	36.432M	36.35M	36.432M
2452MHz	Pass	500k	36.05M	36.482M	35M	36.232M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.575M	18.991M	18.05M	18.991M
2437MHz	Pass	500k	18.95M	19.015M	18.975M	19.09M
2462MHz	Pass	500k	18.85M	18.966M	18.95M	19.015M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.3M	37.631M	36.7M	37.581M
2437MHz	Pass	500k	37.65M	37.681M	37.2M	37.681M
2452MHz	Pass	500k	37.55M	37.681M	36.95M	37.681M

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



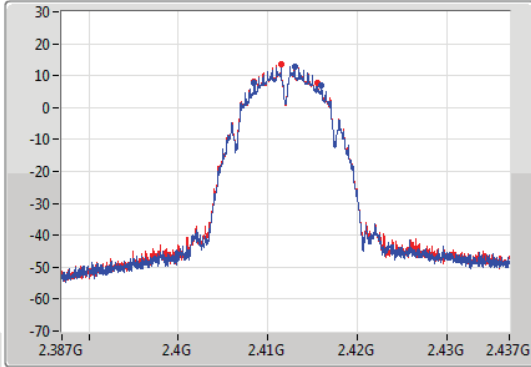
802.11b\_Nss1,(1Mbps)\_2TX

EBW

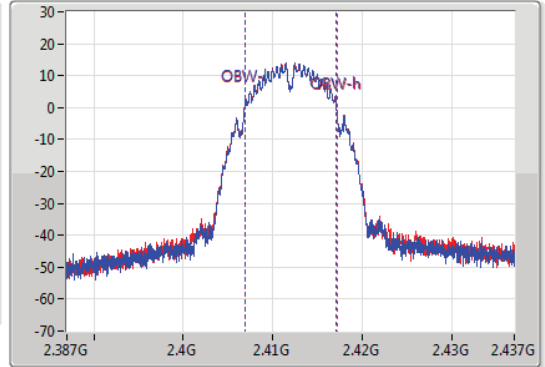
2412MHz

14/06/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.525M	2.408475G	2.416G	10.245M	2.406903G	2.417147G	500k	1
7.025M	2.408475G	2.4155G	10.295M	2.406878G	2.417172G	500k	2

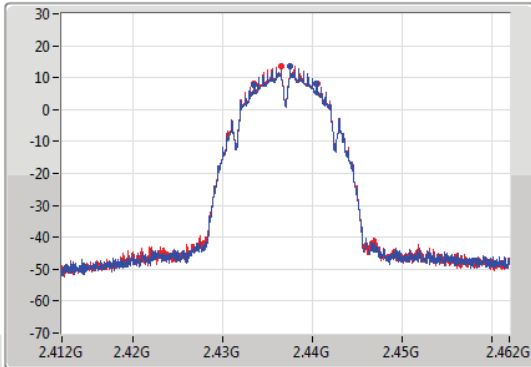
802.11b\_Nss1,(1Mbps)\_2TX

EBW

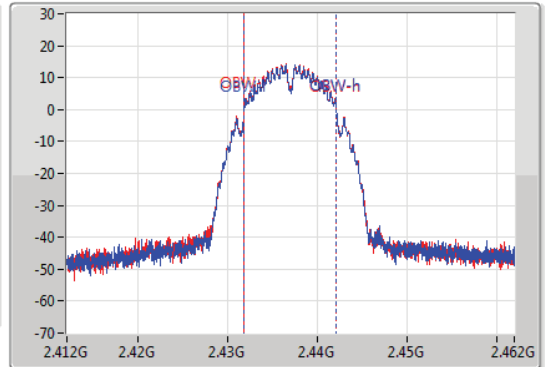
2437MHz

14/06/2022

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



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



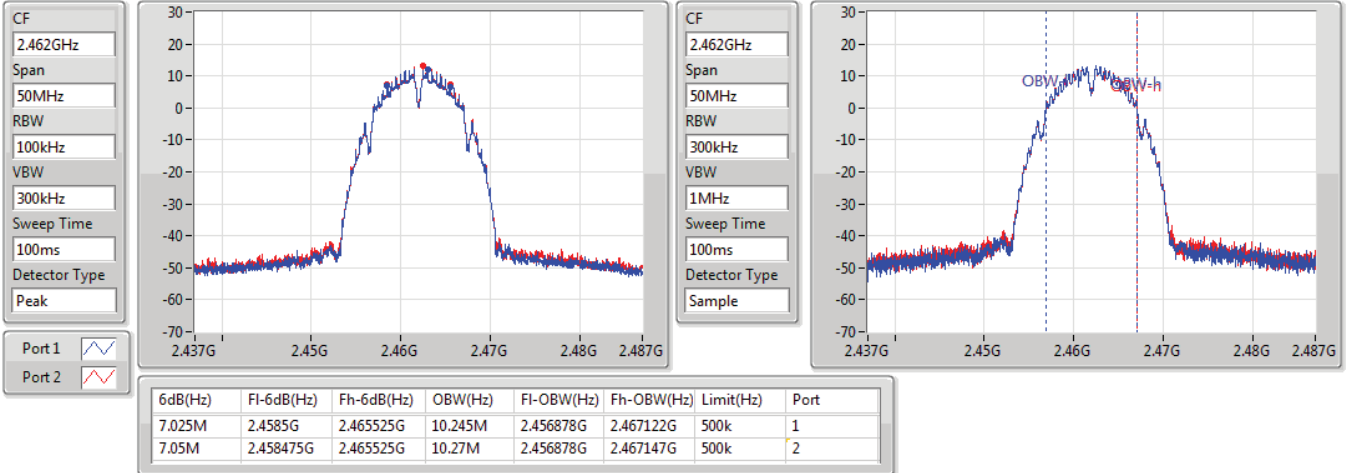
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7M	2.433475G	2.440475G	10.345M	2.431803G	2.442147G	500k	1
7.025M	2.433475G	2.4405G	10.295M	2.431828G	2.442122G	500k	2

802.11b\_Nss1,(1Mbps)\_2TX

EBW

2462MHz

14/06/2022

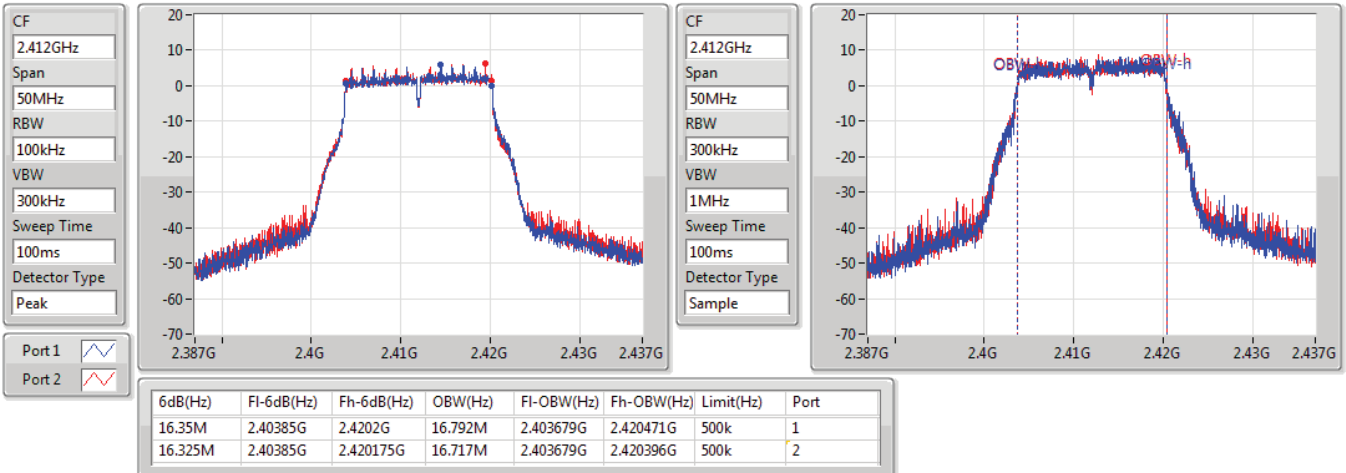


802.11g\_Nss1,(6Mbps)\_2TX

EBW

2412MHz

14/06/2022



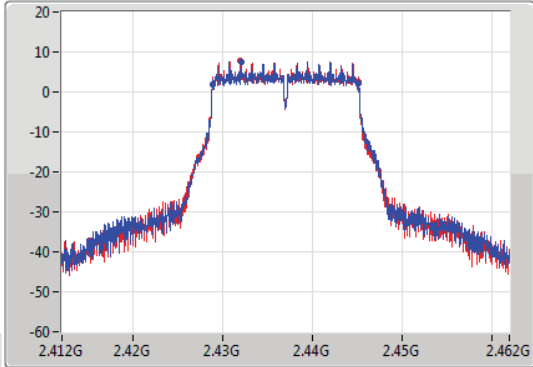
802.11g\_Nss1,(6Mbps)\_2TX

EBW

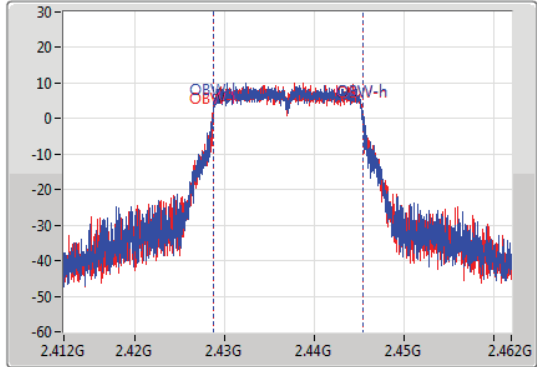
2437MHz

14/06/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.35M	2.428825G	2.445175G	16.692M	2.428679G	2.445371G	500k	1
16.35M	2.428825G	2.445175G	16.717M	2.428654G	2.445371G	500k	2

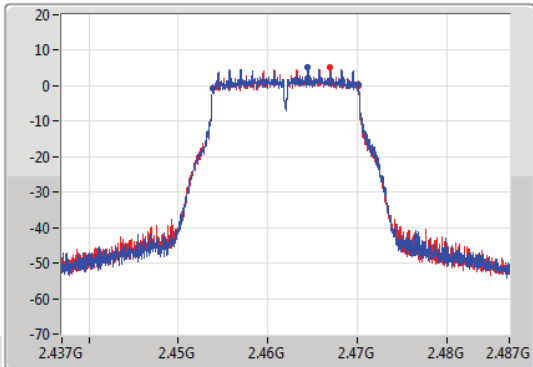
802.11g\_Nss1,(6Mbps)\_2TX

EBW

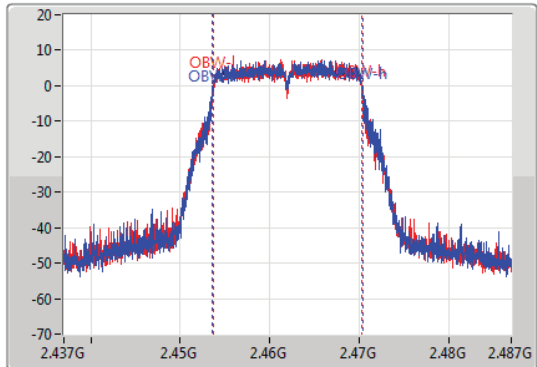
2462MHz

14/06/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.767M	2.453629G	2.470396G	500k	1
16.35M	2.453825G	2.470175G	16.667M	2.453654G	2.470321G	500k	2

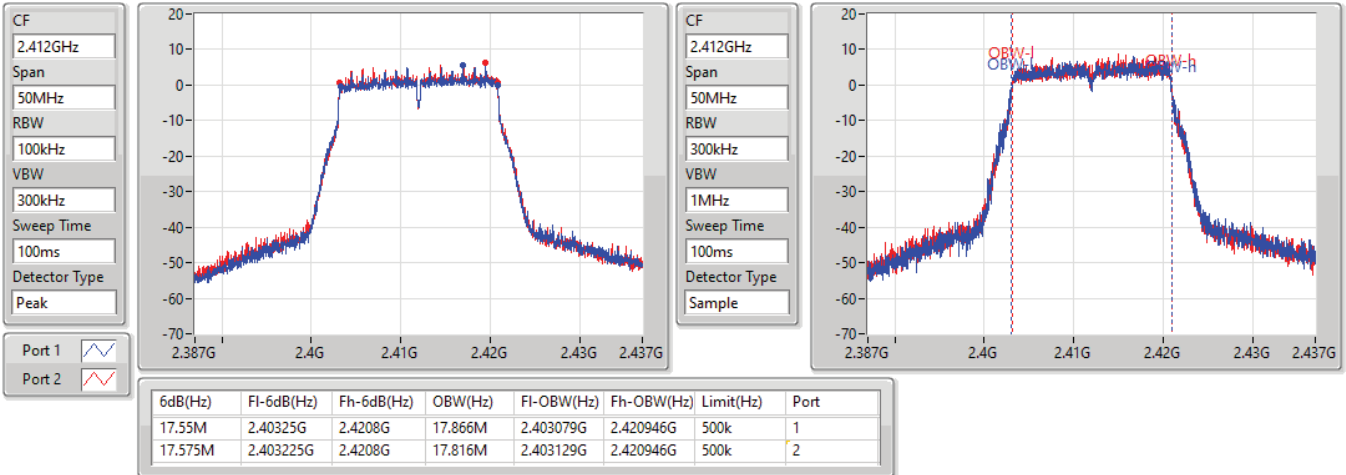


802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

10/08/2022

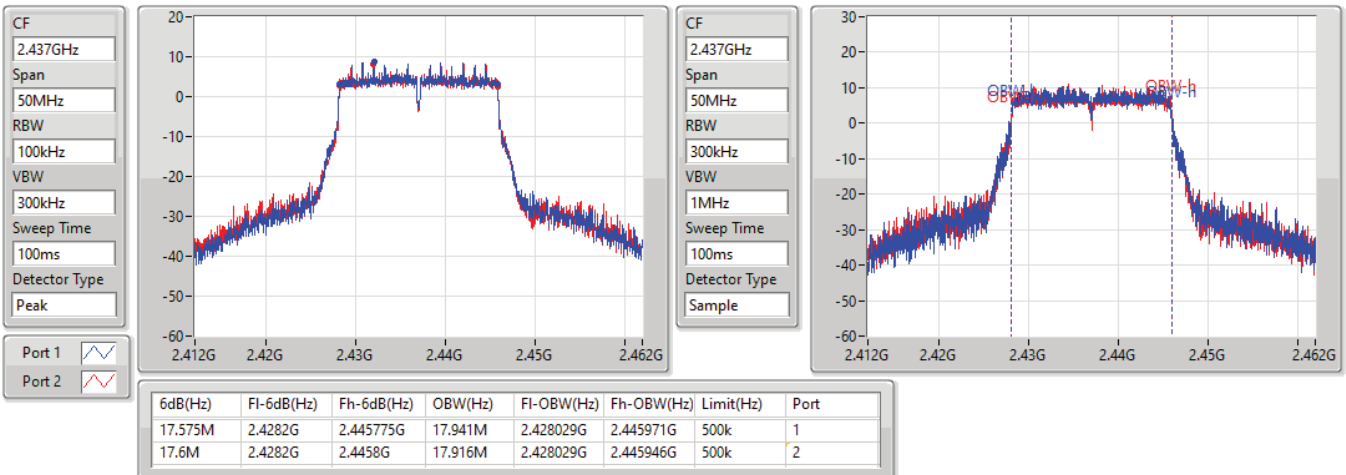


802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

10/08/2022





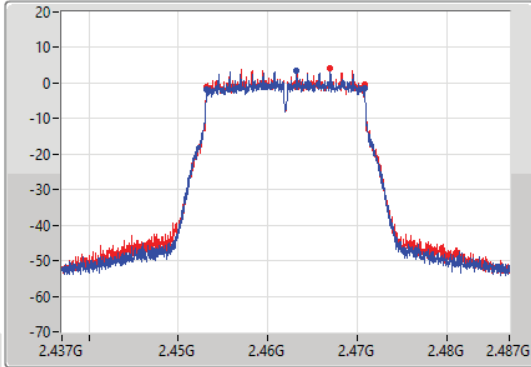
802.11n HT20\_Nss1,(MCS0)\_2TX

EBW

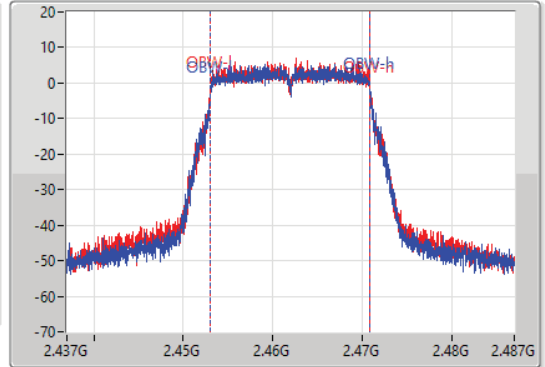
2462MHz

10/08/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.453225G	2.470775G	17.816M	2.453079G	2.470896G	500k	1
17.575M	2.4532G	2.470775G	17.816M	2.453079G	2.470896G	500k	2

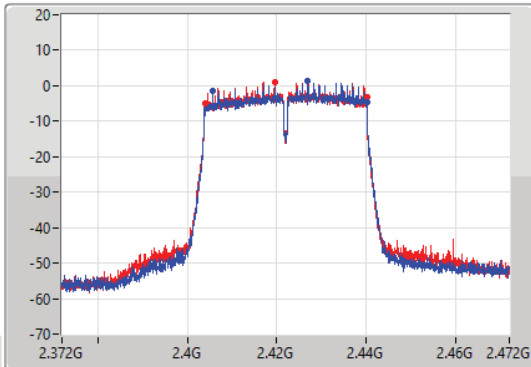
802.11n HT40\_Nss1,(MCS0)\_2TX

EBW

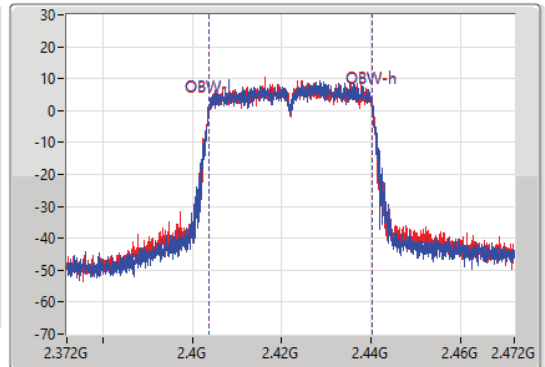
2422MHz

10/08/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.45M	2.4057G	2.44015G	36.382M	2.403859G	2.440241G	500k	1
36.05M	2.4041G	2.44015G	36.332M	2.403859G	2.440191G	500k	2

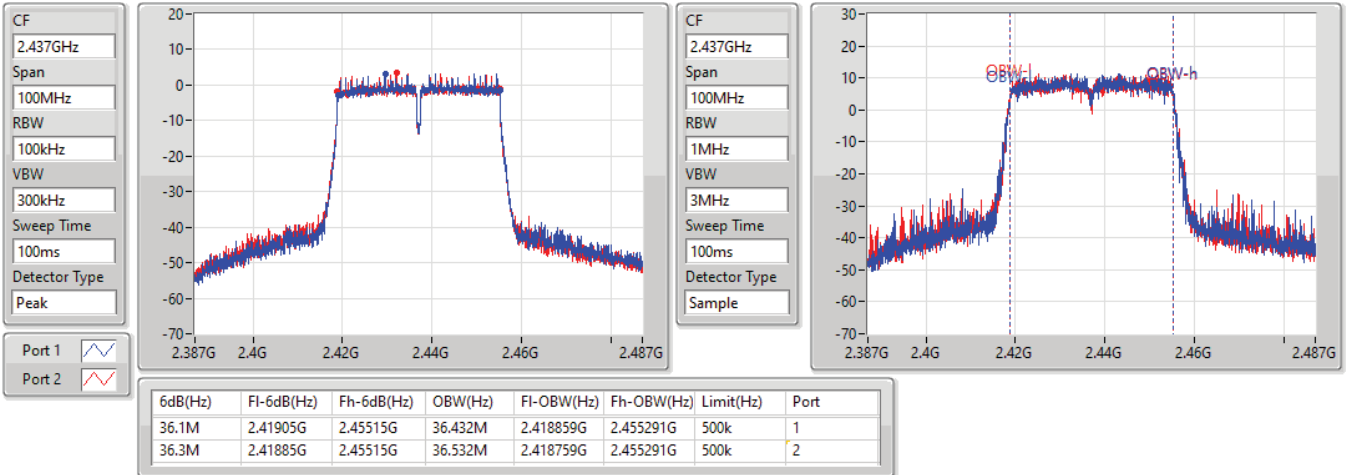


802.11n HT40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

10/08/2022

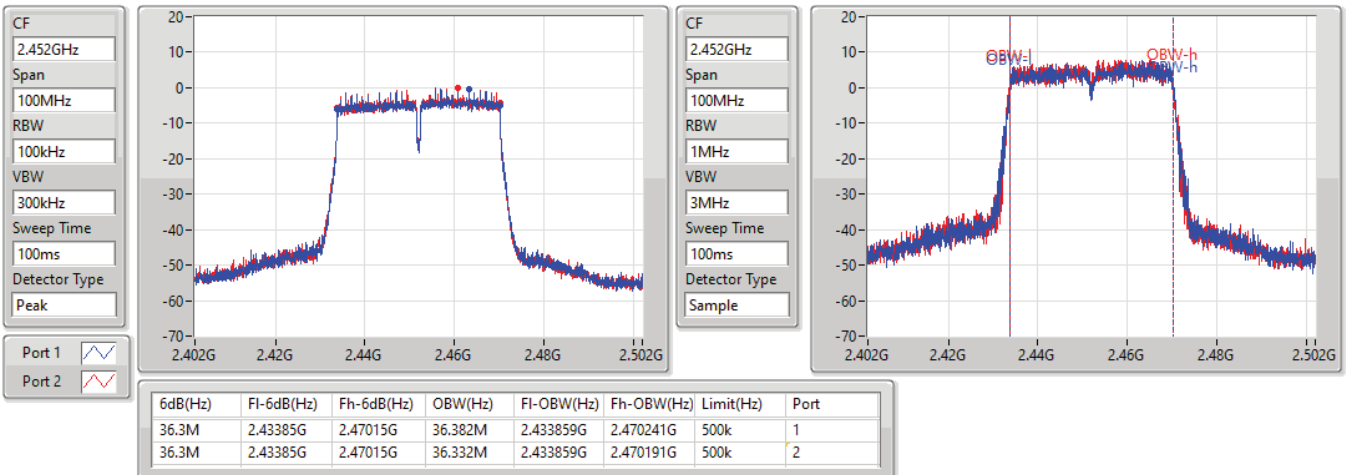


802.11n HT40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

10/08/2022



VHT20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

10/08/2022

CF  
2.412GHz

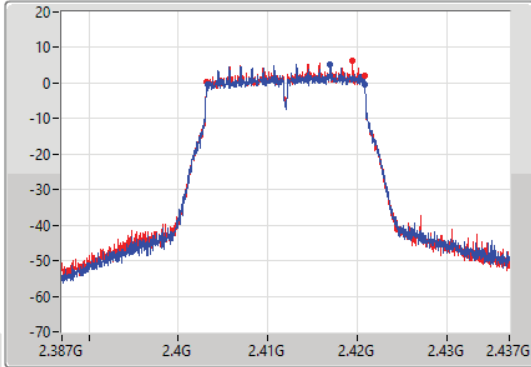
Span  
50MHz

RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak



CF  
2.412GHz

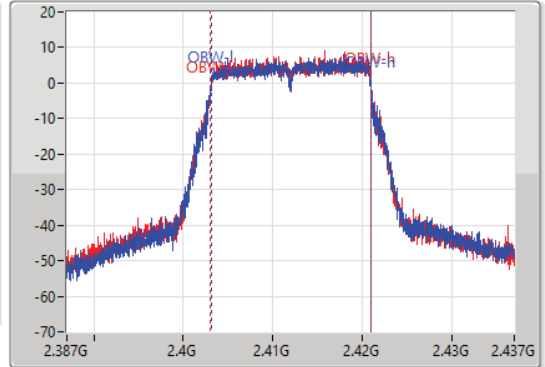
Span  
50MHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.40325G	2.4208G	17.841M	2.403129G	2.420971G	500k	1
17.575M	2.4032G	2.420775G	17.866M	2.403079G	2.420946G	500k	2

VHT20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

10/08/2022

CF  
2.437GHz

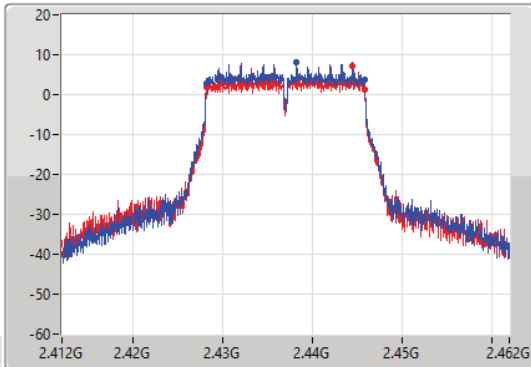
Span  
50MHz

RBW  
100kHz

VBW  
300kHz

Sweep Time  
100ms

Detector Type  
Peak



CF  
2.437GHz

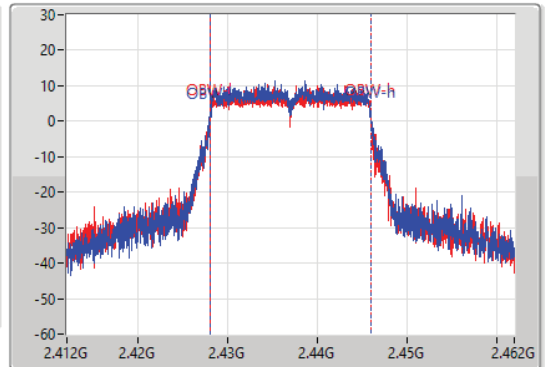
Span  
50MHz

RBW  
300kHz

VBW  
1MHz

Sweep Time  
100ms

Detector Type  
Sample



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4282G	2.445775G	17.916M	2.428029G	2.445946G	500k	1
17.6M	2.4282G	2.4458G	17.891M	2.428029G	2.445921G	500k	2



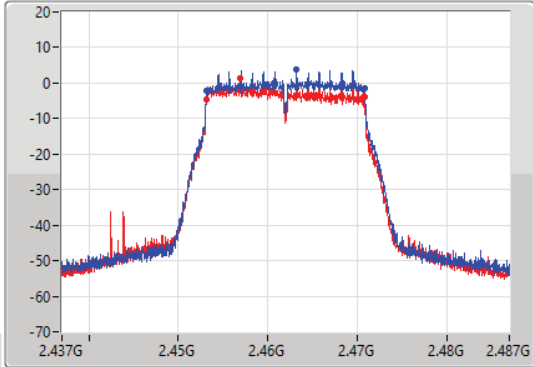
VHT20\_Nss1,(MCS0)\_2TX

EBW

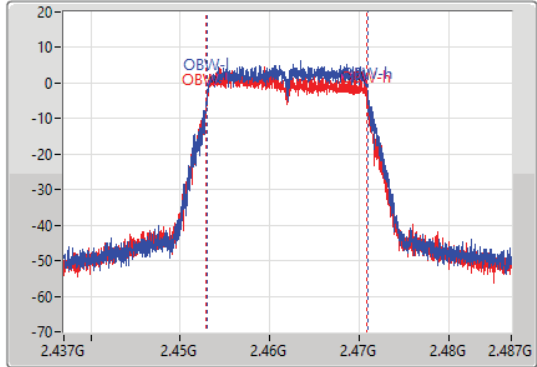
2462MHz

10/08/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.453225G	2.470775G	17.866M	2.453079G	2.470946G	500k	1
17.625M	2.45315G	2.470775G	17.941M	2.45293G	2.470871G	500k	2

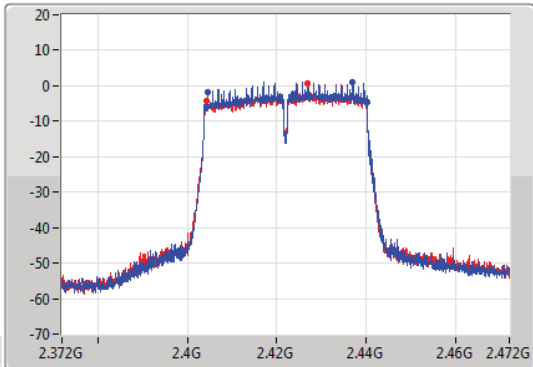
VHT40\_Nss1,(MCS0)\_2TX

EBW

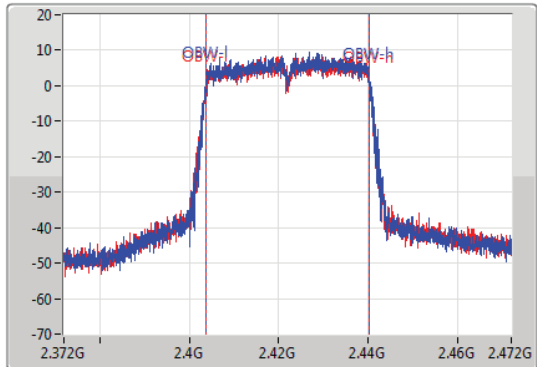
2422MHz

18/06/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.7M	2.4045G	2.4402G	36.432M	2.403859G	2.440291G	500k	1
35.7M	2.40445G	2.44015G	36.332M	2.403859G	2.440191G	500k	2



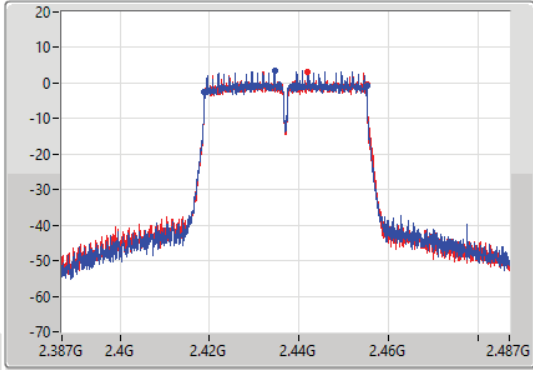
VHT40\_Nss1,(MCS0)\_2TX

EBW

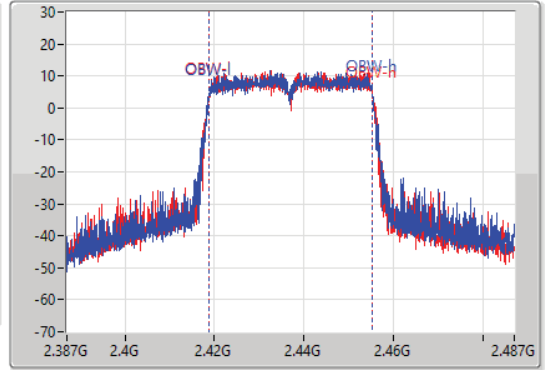
2437MHz

10/08/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.3M	2.41885G	2.45515G	36.432M	2.418809G	2.455241G	500k	1
36.35M	2.4188G	2.45515G	36.432M	2.418809G	2.455241G	500k	2

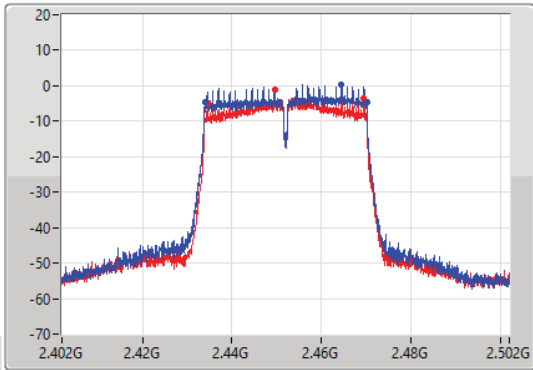
VHT40\_Nss1,(MCS0)\_2TX

EBW

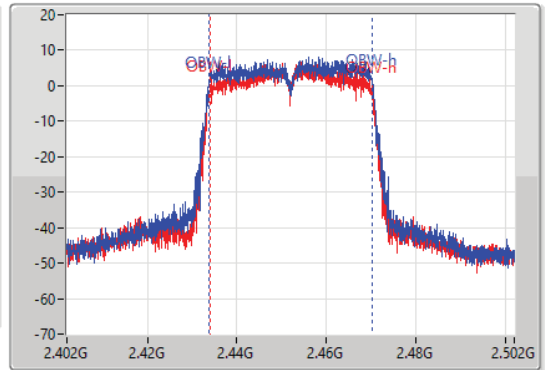
2452MHz

10/08/2022

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



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



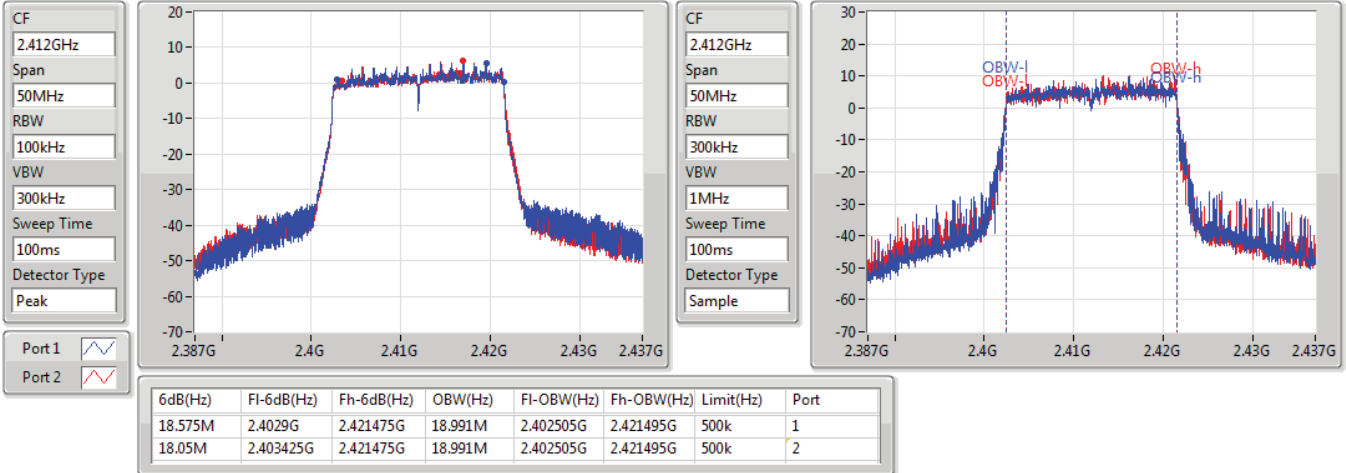
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
36.05M	2.4341G	2.47015G	36.482M	2.433759G	2.470241G	500k	1
35M	2.4345G	2.4695G	36.232M	2.433909G	2.470141G	500k	2

802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2412MHz

10/08/2022

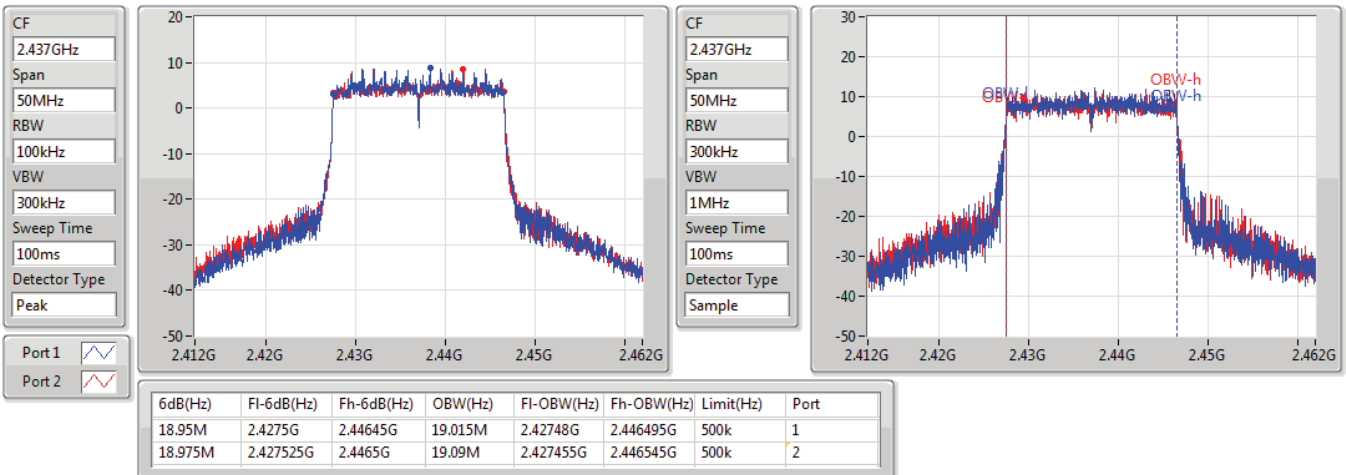


802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2437MHz

10/08/2022



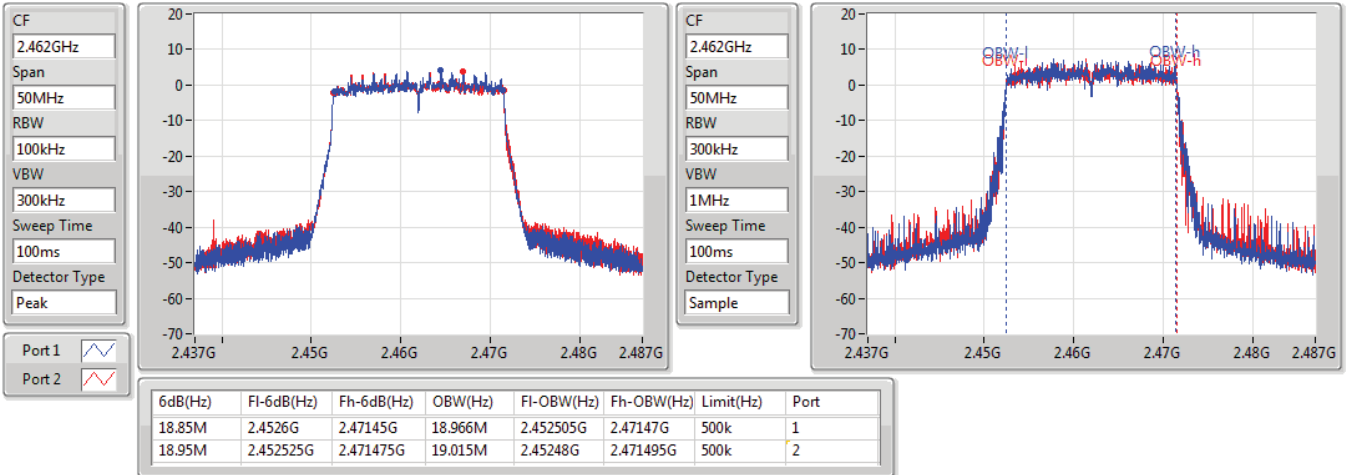


802.11ax HEW20\_Nss1,(MCS0)\_2TX

EBW

2462MHz

10/08/2022

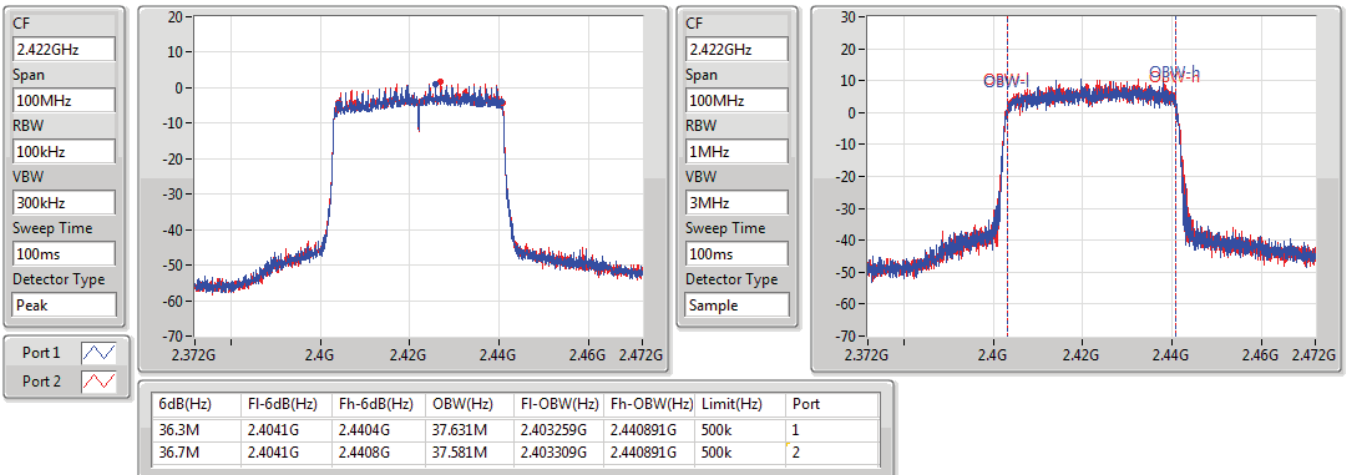


802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2422MHz

14/06/2022

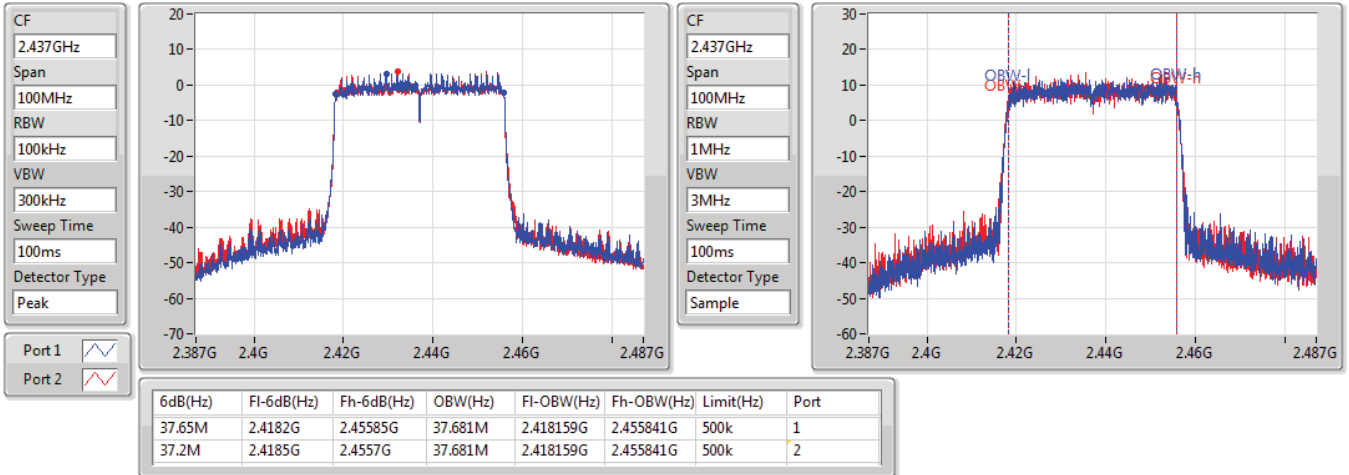


802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2437MHz

10/08/2022

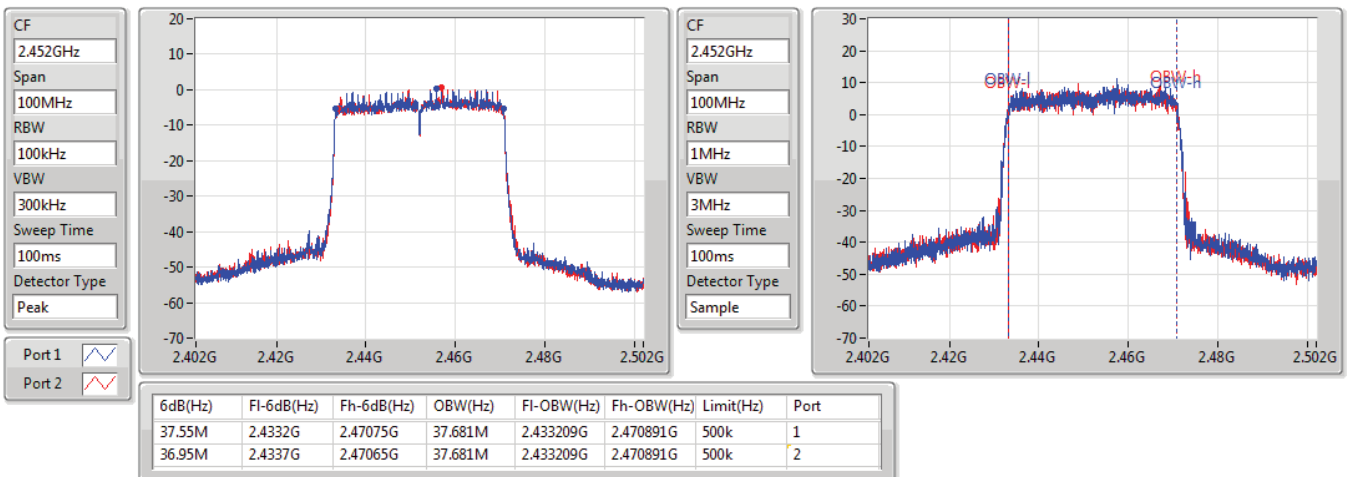


802.11ax HEW40\_Nss1,(MCS0)\_2TX

EBW

2452MHz

10/08/2022





Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	19.175M	19.165M	19M2D1D	17.625M	18.241M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	37.75M	38.331M	38M3D1D	30.2M	37.081M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)	Port 3-N dB (Hz)	Port 3-OBW (Hz)	Port 4-N dB (Hz)	Port 4-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	500k	18.725M	18.941M	18.975M	18.991M	19.175M	19.165M	18.85M	18.966M
2437MHz	Pass	500k	18.725M	18.891M	19M	19.015M	17.625M	18.441M	17.8M	18.241M
2462MHz	Pass	500k	18.075M	18.941M	18.875M	19.015M	17.725M	18.541M	19.05M	19.04M
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	500k	36.5M	37.231M	37.3M	37.781M	36.1M	37.531M	30.2M	37.481M
2437MHz	Pass	500k	36.35M	37.781M	37.15M	37.831M	33.2M	37.081M	36.4M	37.731M
2452MHz	Pass	500k	34M	37.431M	37.1M	37.281M	37.75M	38.331M	37.4M	37.531M

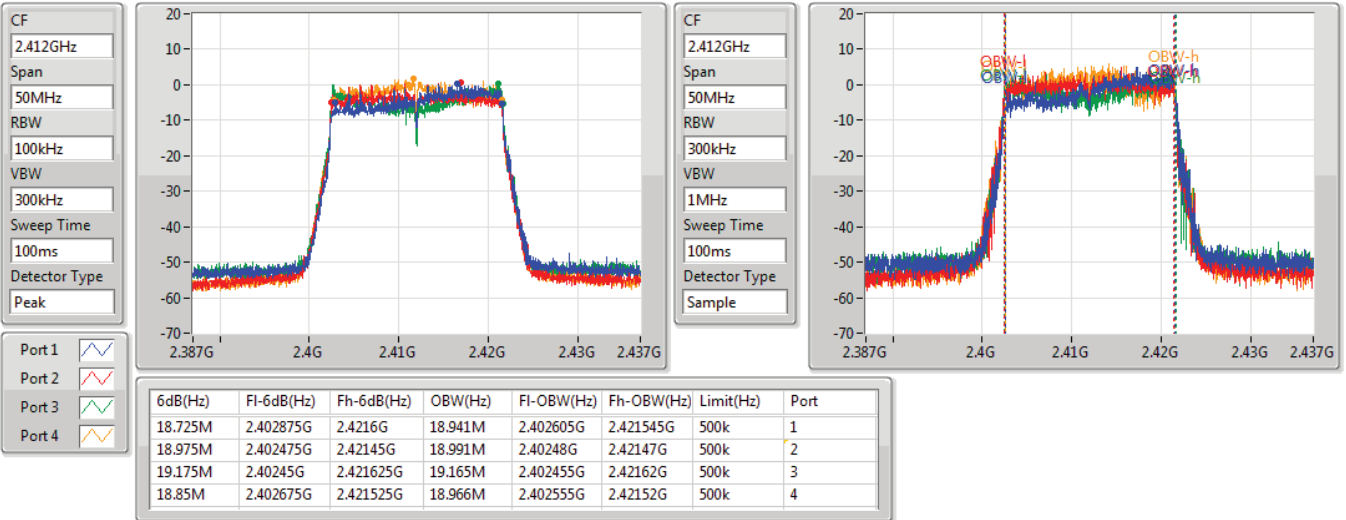
Port X-N dB = Port X 6dB down bandwidth;  
 Port X-OBW = Port X 99% occupied bandwidth

802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

EBW

2412MHz

23/06/2022

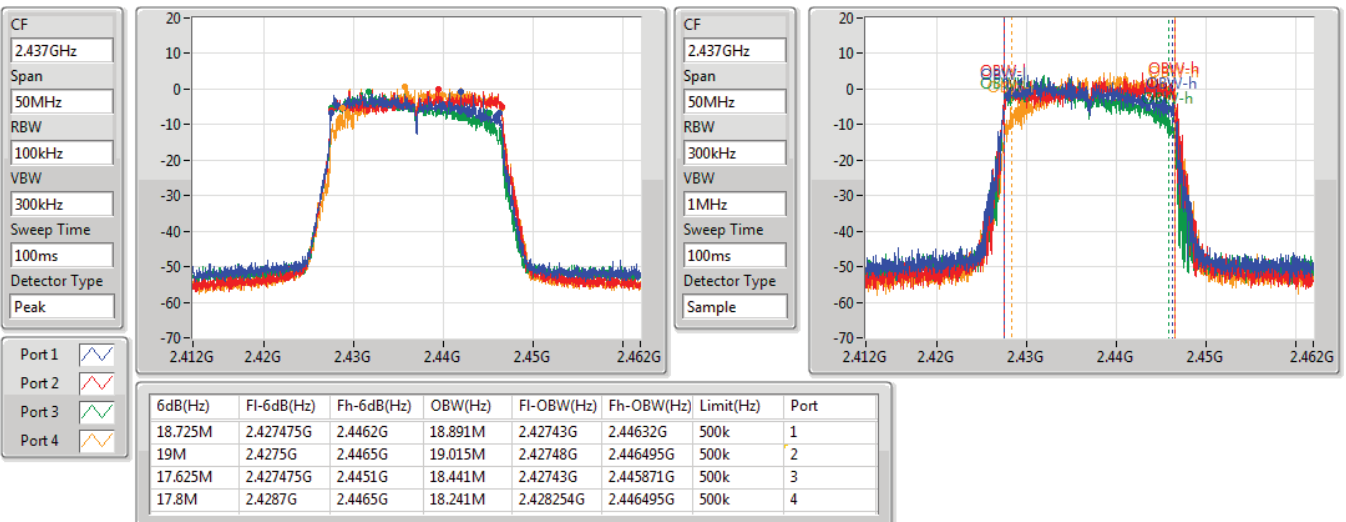


802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

EBW

2437MHz

23/06/2022

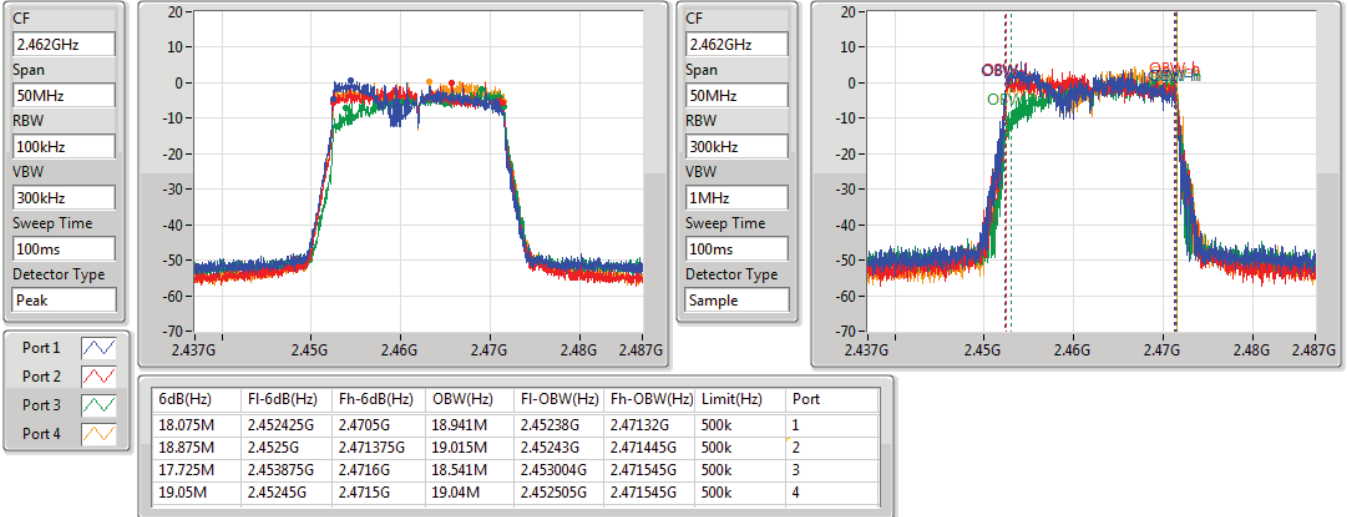


802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

EBW

2462MHz

23/06/2022

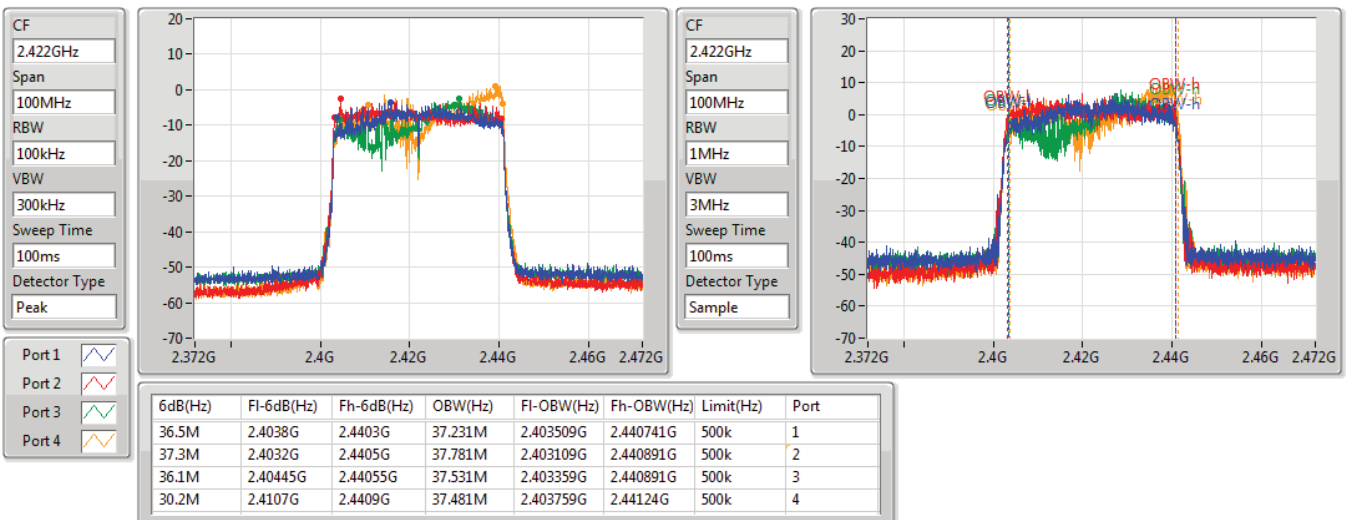


802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

2422MHz

23/06/2022



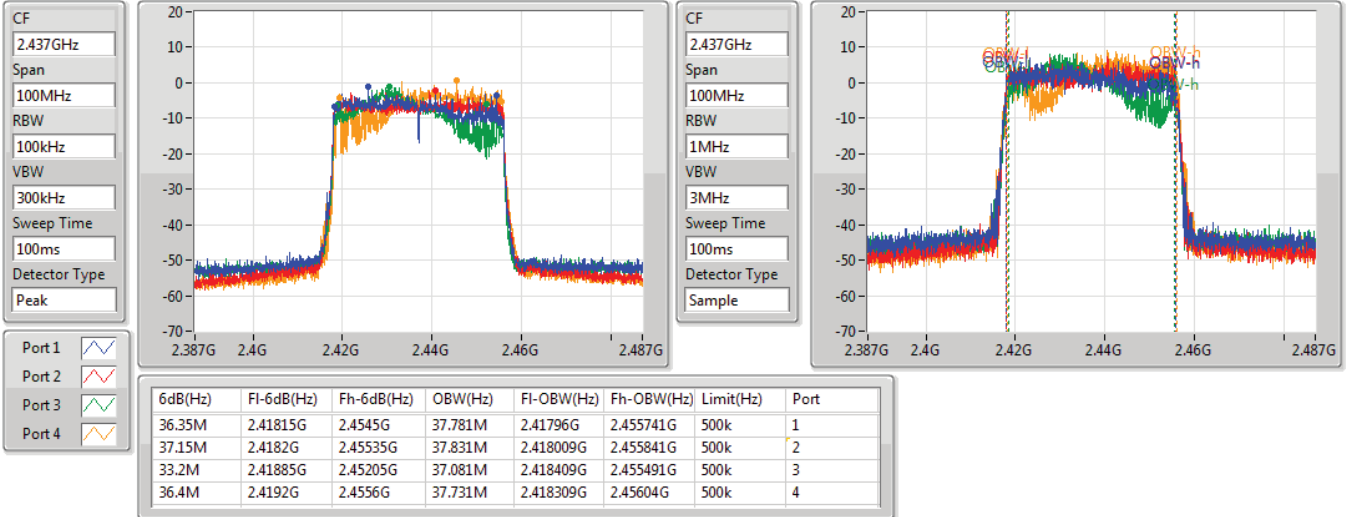


802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

2437MHz

23/06/2022

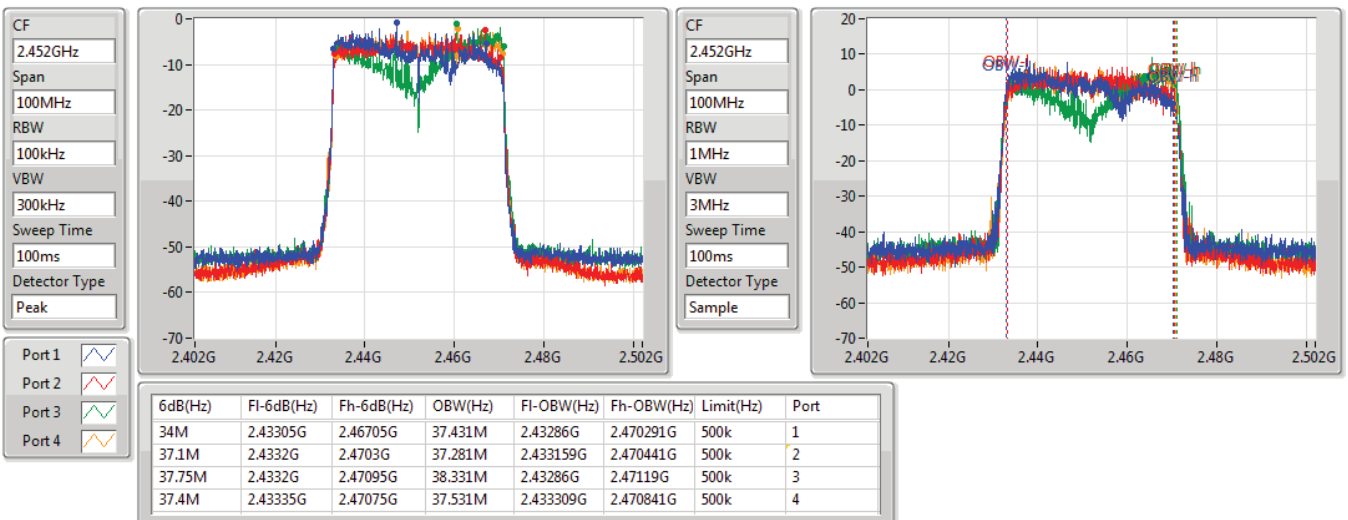


802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

EBW

2452MHz

23/06/2022





**Summary**

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	18.95M	19.015M	19MOD1D	16.325M	16.717M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	37.4M	37.931M	38MOD1D	36.25M	37.481M

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



Result

Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.95M	18.991M	18.65M	18.991M
2437MHz	Pass	500k	16.325M	16.792M	16.35M	16.717M
2462MHz	Pass	500k	18.9M	18.991M	18.8M	19.015M
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37M	37.631M	36.25M	37.531M
2437MHz	Pass	500k	37.35M	37.681M	37.15M	37.931M
2452MHz	Pass	500k	37.4M	37.781M	36.7M	37.481M

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

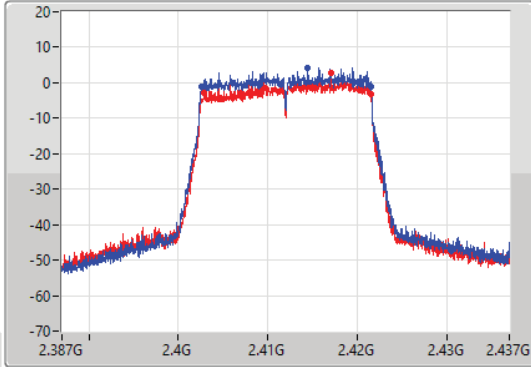
802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

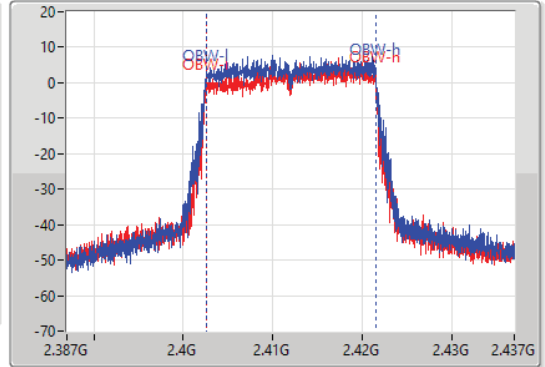
2412MHz

10/08/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.95M	2.402625G	2.421575G	18.991M	2.40253G	2.42152G	500k	1
18.65M	2.40285G	2.4215G	18.991M	2.402555G	2.421545G	500k	2

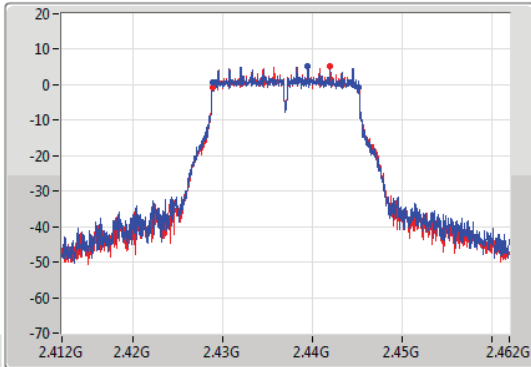
802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

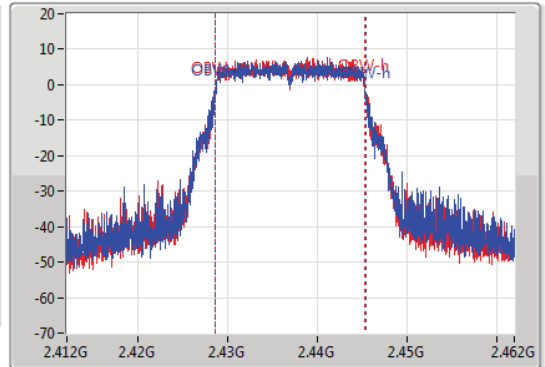
2437MHz

27/06/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.42885G	2.445175G	16.792M	2.428579G	2.445371G	500k	1
16.35M	2.428825G	2.445175G	16.717M	2.428629G	2.445346G	500k	2

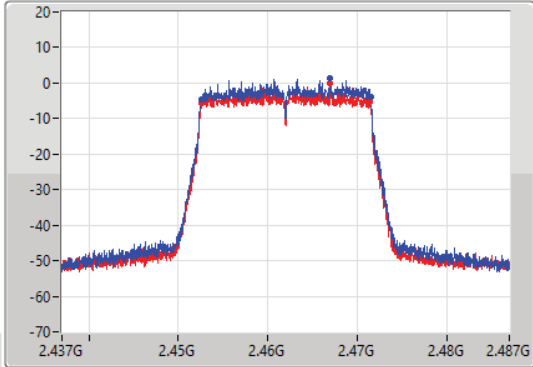
802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

EBW

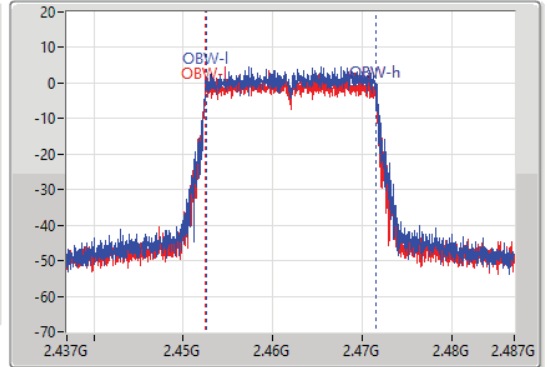
2462MHz

10/08/2022

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



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



6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.9M	2.452575G	2.471475G	18.991M	2.45253G	2.47152G	500k	1
18.8M	2.452625G	2.471425G	19.015M	2.45248G	2.471495G	500k	2

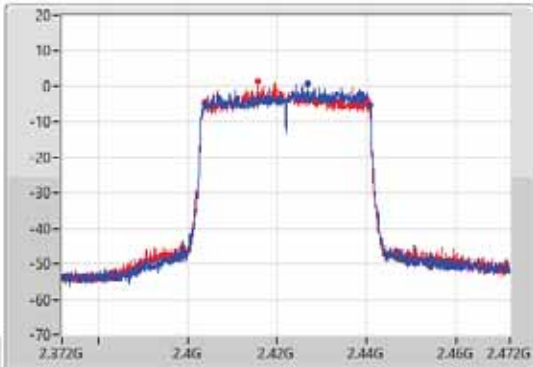
802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

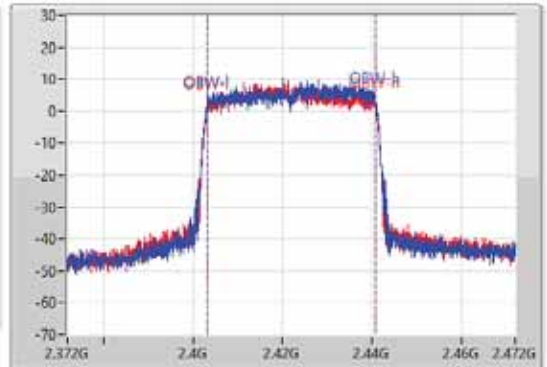
2422MHz

10/08/2022

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



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



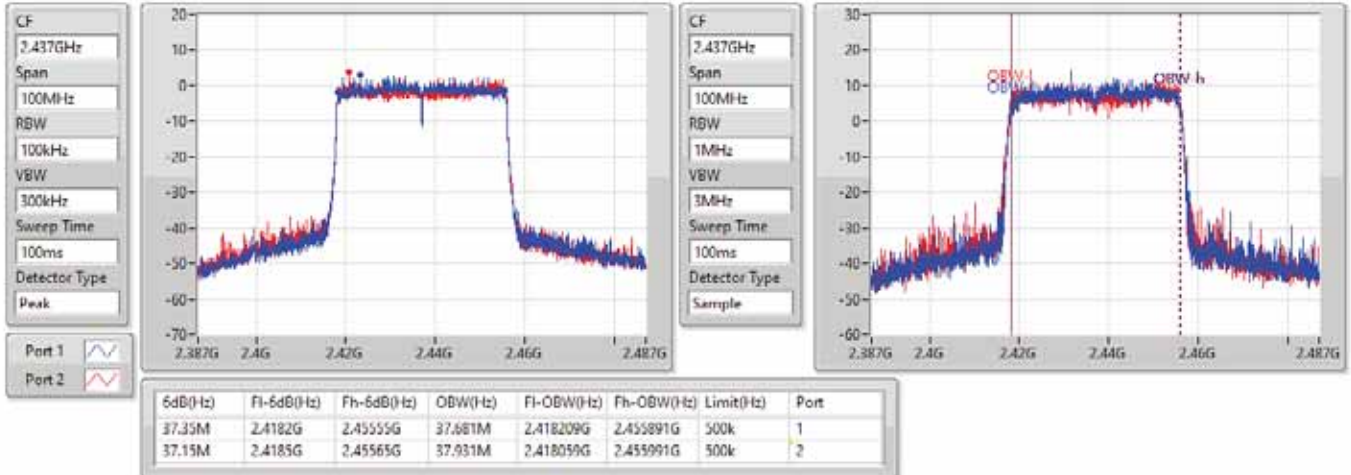
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37M	2.4037G	2.4407G	37.631M	2.403309G	2.440911G	500k	1
36.25M	2.40405G	2.4403G	37.531M	2.403259G	2.440791G	500k	2

802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

2437MHz

10/08/2022

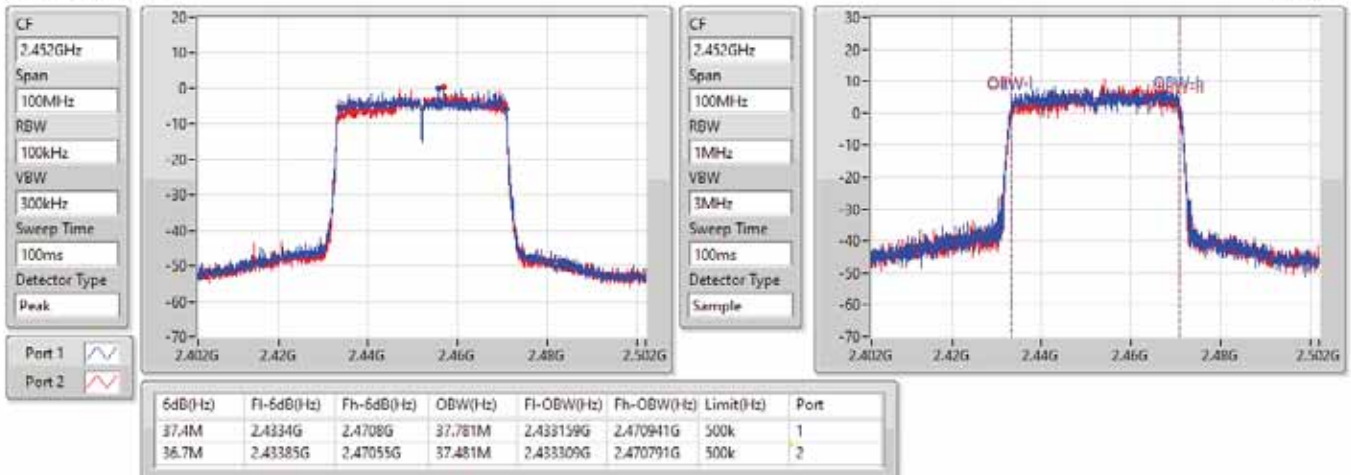


802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

EBW

2452MHz

10/08/2022





Summary

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_4TX	24.24	0.26546
802.11g_Nss1,(6Mbps)_4TX	24.28	0.26792
802.11n HT20_Nss1,(MCS0)_4TX	24.08	0.25586
802.11n HT40_Nss1,(MCS0)_4TX	22.53	0.17906
VHT20_Nss1,(MCS0)_4TX	24.10	0.25704
VHT40_Nss1,(MCS0)_4TX	22.54	0.17947
802.11ax HEW20_Nss1,(MCS0)_4TX	24.34	0.27164
802.11ax HEW40_Nss1,(MCS0)_4TX	22.58	0.18113



## Average Power\_Non-Beamforming\_Radio 1

## Appendix C.1

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.60	18.21	18.47	17.43	18.56	24.21	24.40
2437MHz	Pass	11.60	17.90	18.52	18.16	18.29	24.24	24.40
2457MHz	Pass	11.60	18.32	18.25	17.64	18.43	24.19	24.40
2462MHz	Pass	11.60	17.98	18.33	17.83	18.50	24.19	24.40
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.60	17.53	17.19	16.22	17.63	23.20	24.40
2417MHz	Pass	11.60	18.27	18.05	17.14	18.61	24.07	24.40
2437MHz	Pass	11.60	18.28	18.56	17.87	18.31	24.28	24.40
2457MHz	Pass	11.60	18.16	17.69	16.88	18.31	23.82	24.40
2462MHz	Pass	11.60	16.59	16.66	15.73	17.02	22.55	24.40
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.60	16.20	15.70	14.50	16.34	21.76	24.40
2417MHz	Pass	11.60	18.06	18.04	17.23	18.35	23.96	24.40
2437MHz	Pass	11.60	18.13	18.23	17.54	18.28	24.08	24.40
2457MHz	Pass	11.60	14.47	14.59	13.06	15.12	20.39	24.40
2462MHz	Pass	11.60	14.64	14.45	13.23	15.04	20.41	24.40
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.60	15.56	15.81	15.43	16.26	21.80	24.40
2427MHz	Pass	11.60	16.44	16.40	16.15	16.99	22.53	24.40
2437MHz	Pass	11.60	16.07	16.54	16.09	16.85	22.42	24.40
2447MHz	Pass	11.60	15.65	15.49	14.79	15.73	21.45	24.40
2452MHz	Pass	11.60	14.79	14.79	14.05	15.03	20.70	24.40
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.60	16.32	15.71	14.70	16.32	21.83	24.40
2417MHz	Pass	11.60	18.22	17.91	17.15	18.47	23.99	24.40
2437MHz	Pass	11.60	18.10	18.28	17.63	18.29	24.10	24.40
2457MHz	Pass	11.60	14.86	14.50	13.27	15.01	20.48	24.40
2462MHz	Pass	11.60	14.53	14.42	13.24	14.88	20.33	24.40
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.60	15.90	15.79	15.35	16.16	21.83	24.40
2427MHz	Pass	11.60	16.65	16.31	16.09	16.97	22.54	24.40
2437MHz	Pass	11.60	16.59	16.29	16.05	16.94	22.50	24.40
2447MHz	Pass	11.60	15.59	15.53	14.76	15.84	21.47	24.40
2452MHz	Pass	11.60	14.83	14.81	14.09	15.06	20.73	24.40
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	11.60	16.02	16.24	14.81	16.49	21.96	24.40
2417MHz	Pass	11.60	18.17	18.20	17.41	18.74	24.18	24.40
2437MHz	Pass	11.60	18.48	18.39	17.95	18.44	24.34	24.40
2457MHz	Pass	11.60	14.68	14.84	13.50	15.33	20.66	24.40
2462MHz	Pass	11.60	14.69	14.72	13.40	15.11	20.55	24.40
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	11.60	15.77	15.84	15.31	16.30	21.84	24.40
2427MHz	Pass	11.60	16.61	16.58	16.06	16.93	22.58	24.40
2437MHz	Pass	11.60	16.53	16.69	15.96	16.88	22.55	24.40
2447MHz	Pass	11.60	15.56	15.90	14.89	15.73	21.56	24.40
2452MHz	Pass	11.60	14.69	14.71	14.35	15.08	20.74	24.40

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	24.52	0.28314
802.11g_Nss1,(6Mbps)_2TX	22.04	0.15996
802.11n HT20_Nss1,(MCS0)_2TX	23.21	0.20941
802.11n HT40_Nss1,(MCS0)_2TX	20.86	0.12190
VHT20_Nss1,(MCS0)_2TX	23.23	0.21038
VHT40_Nss1,(MCS0)_2TX	20.90	0.12303
802.11ax HEW20_Nss1,(MCS0)_2TX	23.47	0.22233
802.11ax HEW40_Nss1,(MCS0)_2TX	21.12	0.12942



## Average Power\_Non-Beamforming\_Radio 3

## Appendix C.2

### Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.40	21.27	21.36	24.33	24.60
2417MHz	Pass	11.40	21.43	21.58	24.52	24.60
2437MHz	Pass	11.40	21.11	21.21	24.17	24.60
2457MHz	Pass	11.40	20.25	20.02	23.15	24.60
2462MHz	Pass	11.40	20.07	20.02	23.06	24.60
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.40	17.45	17.44	20.46	24.60
2417MHz	Pass	11.40	18.74	18.90	21.83	24.60
2437MHz	Pass	11.40	18.96	19.09	22.04	24.60
2457MHz	Pass	11.40	17.23	17.27	20.26	24.60
2462MHz	Pass	11.40	16.72	16.40	19.57	24.60
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.40	17.16	17.42	20.30	24.60
2417MHz	Pass	11.40	18.34	18.31	21.34	24.60
2437MHz	Pass	11.40	20.35	20.05	23.21	24.60
2457MHz	Pass	11.40	17.78	17.79	20.80	24.60
2462MHz	Pass	11.40	15.30	15.80	18.57	24.60
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.40	15.45	13.64	17.65	24.60
2427MHz	Pass	11.40	17.24	17.07	20.17	24.60
2437MHz	Pass	11.40	17.98	17.71	20.86	24.60
2447MHz	Pass	11.40	16.60	14.53	18.70	24.60
2452MHz	Pass	11.40	14.13	12.34	16.34	24.60
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.40	17.36	15.96	19.73	24.60
2417MHz	Pass	11.40	18.51	18.46	21.50	24.60
2437MHz	Pass	11.40	20.18	20.26	23.23	24.60
2457MHz	Pass	11.40	17.81	17.78	20.81	24.60
2462MHz	Pass	11.40	15.44	13.76	17.69	24.60
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.40	15.04	14.69	17.88	24.60
2427MHz	Pass	11.40	17.37	16.93	20.17	24.60
2437MHz	Pass	11.40	18.14	17.62	20.90	24.60
2447MHz	Pass	11.40	16.74	16.53	19.65	24.60
2452MHz	Pass	11.40	14.48	12.53	16.62	24.60
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	11.40	17.44	17.58	20.52	24.60
2417MHz	Pass	11.40	18.97	18.85	21.92	24.60
2437MHz	Pass	11.40	20.52	20.39	23.47	24.60
2457MHz	Pass	11.40	17.99	17.98	21.00	24.60
2462MHz	Pass	11.40	15.63	15.59	18.62	24.60
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	11.40	15.00	15.31	18.17	24.60
2427MHz	Pass	11.40	17.30	17.47	20.40	24.60
2437MHz	Pass	11.40	18.18	18.04	21.12	24.60
2447MHz	Pass	11.40	16.86	16.95	19.92	24.60
2452MHz	Pass	11.40	14.68	14.76	17.73	24.60

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



**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	18.47	0.07031
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	18.44	0.06982



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Port 3 (dBm)	Port 4 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	11.61	13.13	11.37	13.34	18.47	18.50
2417MHz	Pass	17.50	11.30	13.13	11.21	13.16	18.32	18.50
2437MHz	Pass	17.50	11.65	12.89	11.56	13.07	18.37	18.50
2457MHz	Pass	17.50	12.35	11.96	11.03	12.87	18.12	18.50
2462MHz	Pass	17.50	12.23	12.25	10.89	12.64	18.07	18.50
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	17.50	11.82	12.85	11.78	12.97	18.41	18.50
2427MHz	Pass	17.50	12.03	12.61	11.85	12.95	18.40	18.50
2437MHz	Pass	17.50	12.14	12.16	11.40	12.91	18.21	18.50
2447MHz	Pass	17.50	12.42	12.98	11.44	12.70	18.44	18.50
2452MHz	Pass	17.50	12.17	12.49	11.79	12.37	18.23	18.50

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	21.43	0.13900
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	20.11	0.10257



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	14.41	15.59	16.84	19.27	21.59
2417MHz	Pass	14.41	17.55	17.64	20.61	21.59
2437MHz	Pass	14.41	18.39	18.45	21.43	21.59
2457MHz	Pass	14.41	16.99	17.41	20.22	21.59
2462MHz	Pass	14.41	12.88	14.02	16.50	21.59
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	14.41	14.88	11.66	16.57	21.59
2427MHz	Pass	14.41	17.26	16.78	20.04	21.59
2437MHz	Pass	14.41	17.38	16.81	20.11	21.59
2447MHz	Pass	14.41	15.52	16.93	19.29	21.59
2452MHz	Pass	14.41	13.92	15.07	17.54	21.59

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_4TX	-6.32
802.11g_Nss1,(6Mbps)_4TX	-6.56
802.11n HT20_Nss1,(MCS0)_4TX	-3.59
802.11n HT40_Nss1,(MCS0)_4TX	-6.40
VHT20_Nss1,(MCS0)_4TX	-4.72
VHT40_Nss1,(MCS0)_4TX	-6.73
802.11ax HEW20_Nss1,(MCS0)_4TX	-4.76
802.11ax HEW40_Nss1,(MCS0)_4TX	-6.27

RBW = 3kHz;



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	-12.07	-12.13	-12.18	-11.39	-6.32	-3.50
2437MHz	Pass	17.50	-12.18	-11.57	-12.18	-12.00	-6.45	-3.50
2462MHz	Pass	17.50	-11.91	-11.53	-12.26	-11.54	-6.55	-3.50
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	-12.96	-12.94	-13.89	-12.16	-7.11	-3.50
2437MHz	Pass	17.50	-12.68	-12.49	-13.14	-12.08	-6.56	-3.50
2462MHz	Pass	17.50	-14.72	-13.68	-14.09	-13.18	-7.94	-3.50
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	-8.60	-9.81	-10.45	-9.08	-3.59	-3.50
2437MHz	Pass	17.50	-13.12	-13.31	-13.63	-13.05	-7.72	-3.50
2462MHz	Pass	17.50	-10.31	-10.40	-13.22	-10.86	-6.32	-3.50
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	17.50	-12.78	-12.01	-12.90	-12.05	-6.62	-3.50
2437MHz	Pass	17.50	-12.29	-11.74	-12.83	-12.11	-6.40	-3.50
2452MHz	Pass	17.50	-13.20	-14.00	-14.57	-12.97	-8.03	-3.50
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	-9.05	-10.35	-11.31	-8.96	-4.72	-3.50
2437MHz	Pass	17.50	-13.47	-12.30	-13.51	-12.95	-7.12	-3.50
2462MHz	Pass	17.50	-11.30	-11.46	-12.48	-11.05	-5.90	-3.50
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	17.50	-12.16	-12.99	-13.13	-12.79	-6.73	-3.50
2437MHz	Pass	17.50	-12.92	-13.00	-12.63	-11.86	-7.17	-3.50
2452MHz	Pass	17.50	-12.25	-12.87	-13.75	-12.61	-6.99	-3.50
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	-10.08	-9.69	-10.04	-9.61	-4.76	-3.50
2437MHz	Pass	17.50	-12.64	-13.57	-13.95	-11.54	-6.99	-3.50
2462MHz	Pass	17.50	-9.77	-11.35	-11.33	-11.05	-5.04	-3.50
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	17.50	-12.45	-13.70	-13.26	-11.74	-6.96	-3.50
2437MHz	Pass	17.50	-13.05	-11.89	-12.21	-11.79	-6.27	-3.50
2452MHz	Pass	17.50	-14.20	-14.43	-15.06	-13.89	-8.35	-3.50

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



### 802.11b\_Nss1,(1Mbps)\_4TX

### PSD

2412MHz

15/06/2022

CF  
2.412GHz

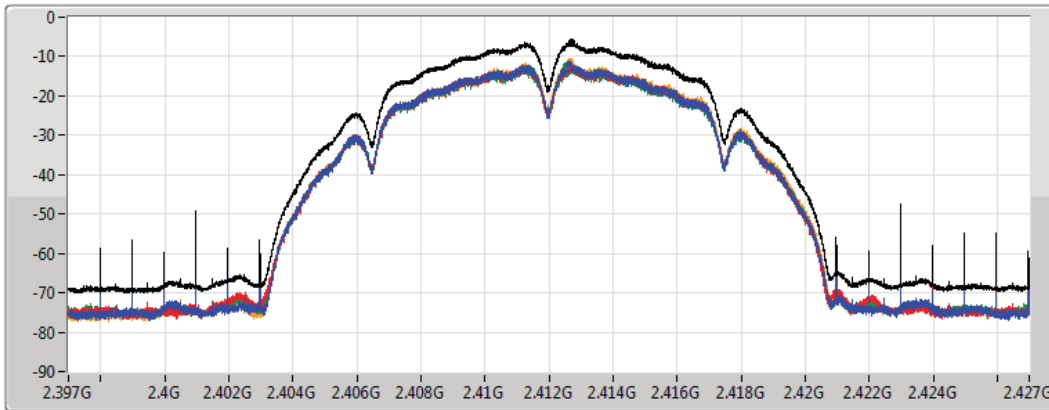
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.32	-6.32	-12.07	-12.13	-12.18	-11.39

### 802.11b\_Nss1,(1Mbps)\_4TX

### PSD

2437MHz

15/06/2022

CF  
2.437GHz

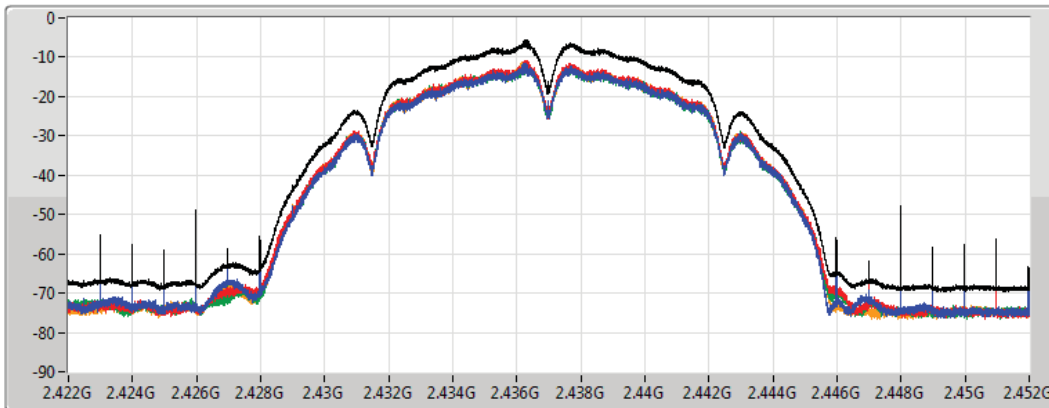
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.45	-6.45	-12.18	-11.57	-12.18	-12.00

### 802.11b\_Nss1,(1Mbps)\_4TX

### PSD

2462MHz

15/06/2022

CF  
2.462GHz

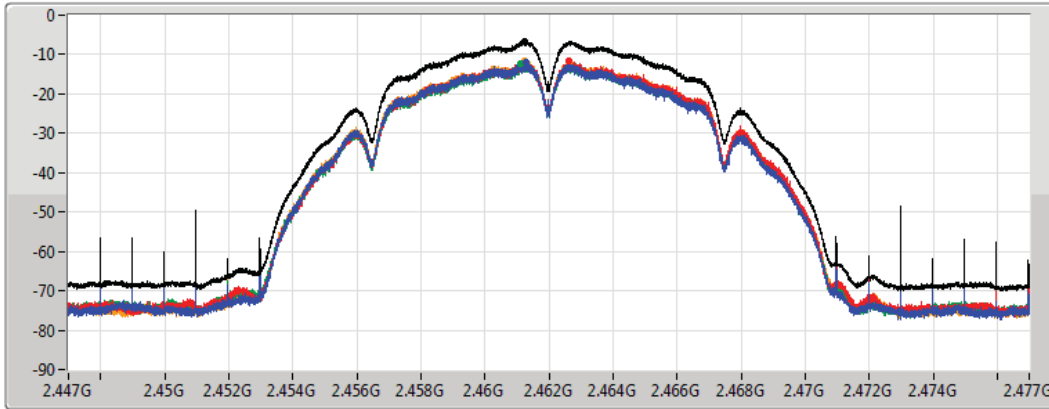
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.55	-6.55	-11.91	-11.53	-12.26	-11.54

### 802.11g\_Nss1,(6Mbps)\_4TX

### PSD

2412MHz

15/06/2022

CF  
2.412GHz

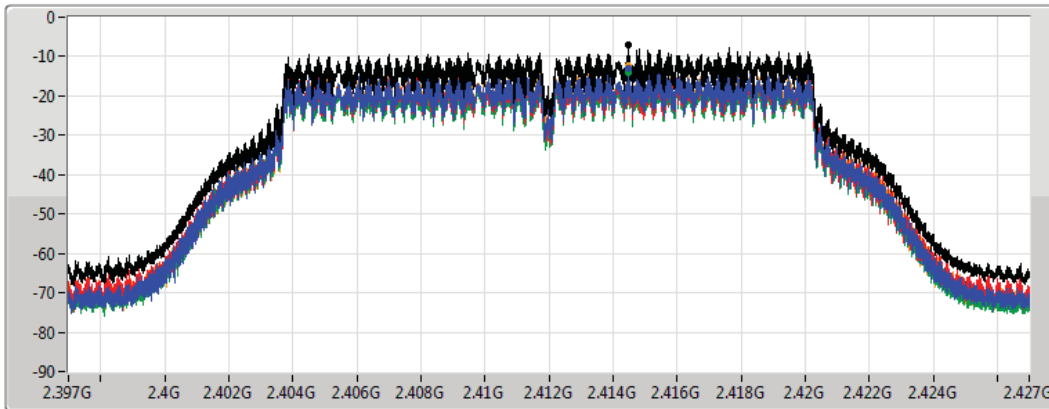
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.11	-7.11	-12.96	-12.94	-13.89	-12.16

### 802.11g\_Nss1,(6Mbps)\_4TX

### PSD

2437MHz

15/06/2022

CF  
2.437GHz

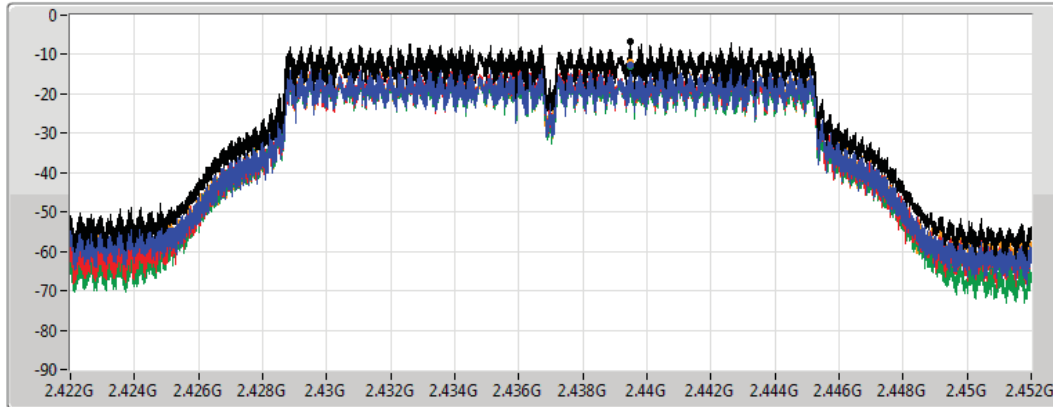
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Port 3

Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.56	-6.56	-12.68	-12.49	-13.14	-12.08

### 802.11g\_Nss1,(6Mbps)\_4TX

### PSD

2462MHz

15/06/2022

CF  
2.462GHz

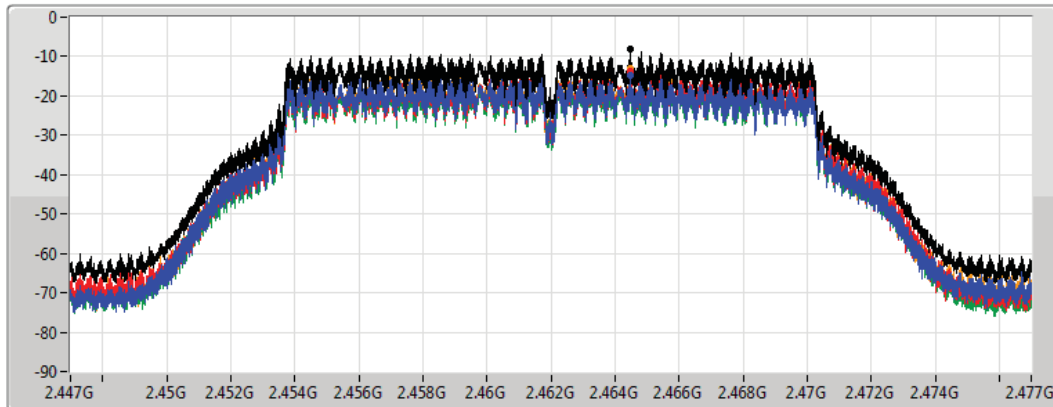
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Port 3

Port 4

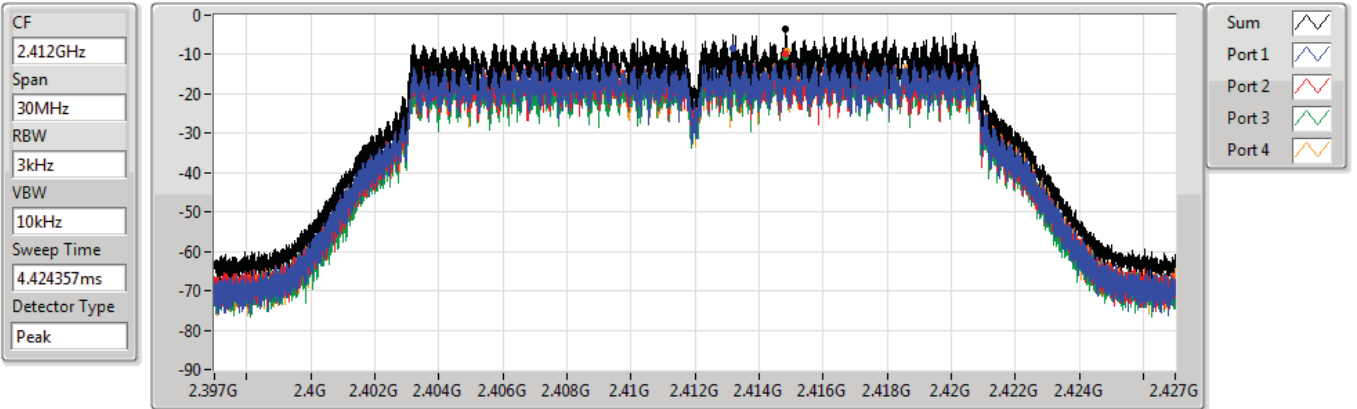
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.94	-7.94	-14.72	-13.68	-14.09	-13.18

802.11n HT20\_Nss1,(MCS0)\_4TX

PSD

2412MHz

18/06/2022



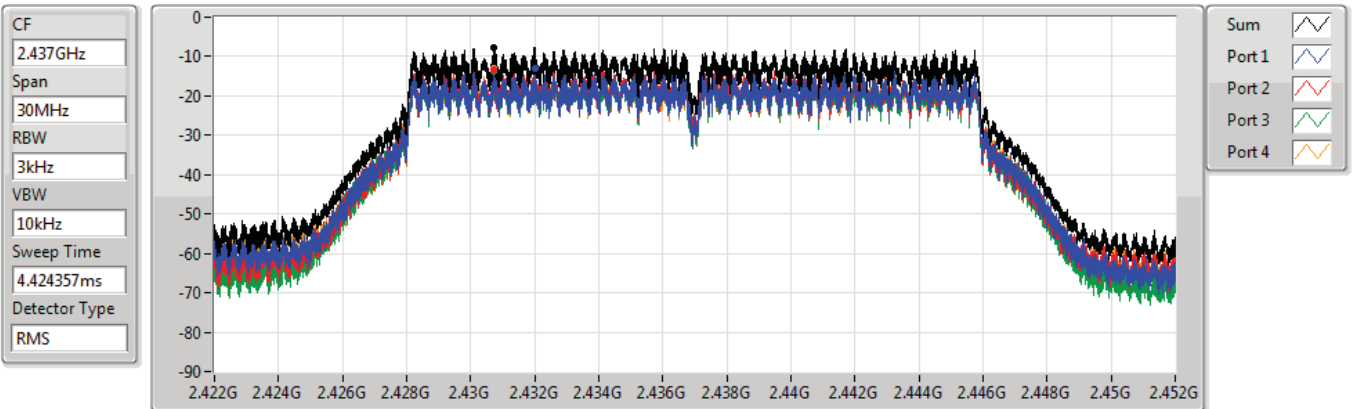
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.59	-3.59	-8.60	-9.81	-10.45	-9.08

802.11n HT20\_Nss1,(MCS0)\_4TX

PSD

2437MHz

18/06/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.72	-7.72	-13.12	-13.31	-13.63	-13.05

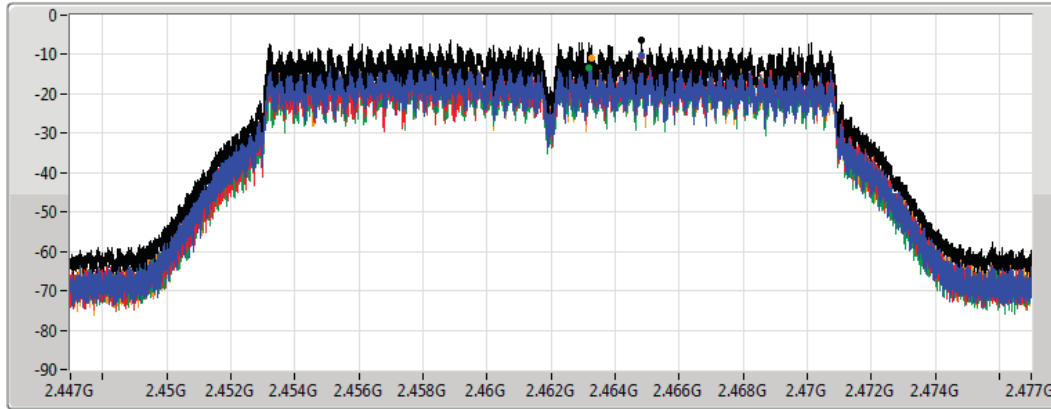
802.11n HT20\_Nss1,(MCS0)\_4TX

PSD

2462MHz

18/06/2022

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



Sum  
Port 1  
Port 2  
Port 3  
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.32	-6.32	-10.31	-10.40	-13.22	-10.86

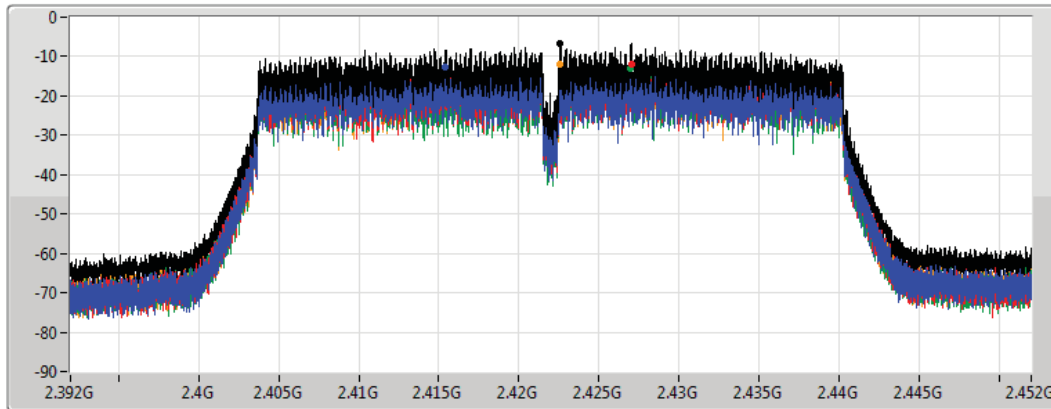
802.11n HT40\_Nss1,(MCS0)\_4TX

PSD

2422MHz

18/06/2022

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



Sum  
Port 1  
Port 2  
Port 3  
Port 4

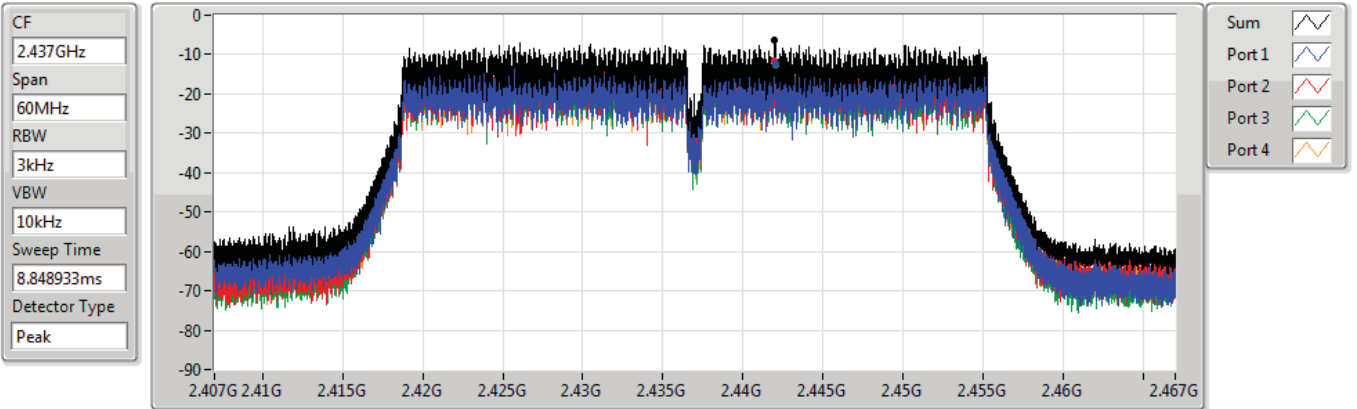
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.62	-6.62	-12.78	-12.01	-12.90	-12.05

802.11n HT40\_Nss1,(MCS0)\_4TX

PSD

2437MHz

18/06/2022



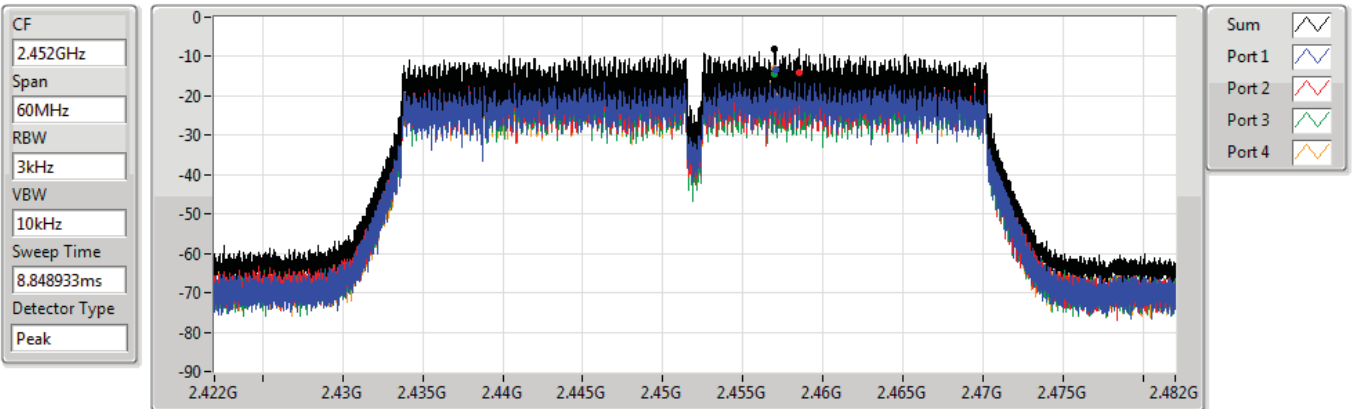
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.40	-6.40	-12.29	-11.74	-12.83	-12.11

802.11n HT40\_Nss1,(MCS0)\_4TX

PSD

2452MHz

18/06/2022



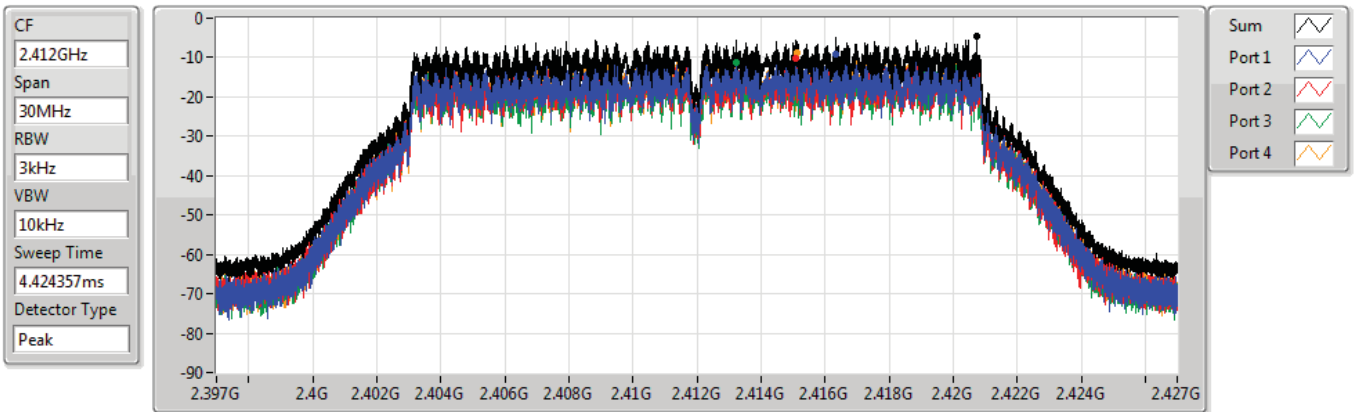
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.03	-8.03	-13.20	-14.00	-14.57	-12.97

VHT20\_Nss1,(MCS0)\_4TX

PSD

2412MHz

18/06/2022



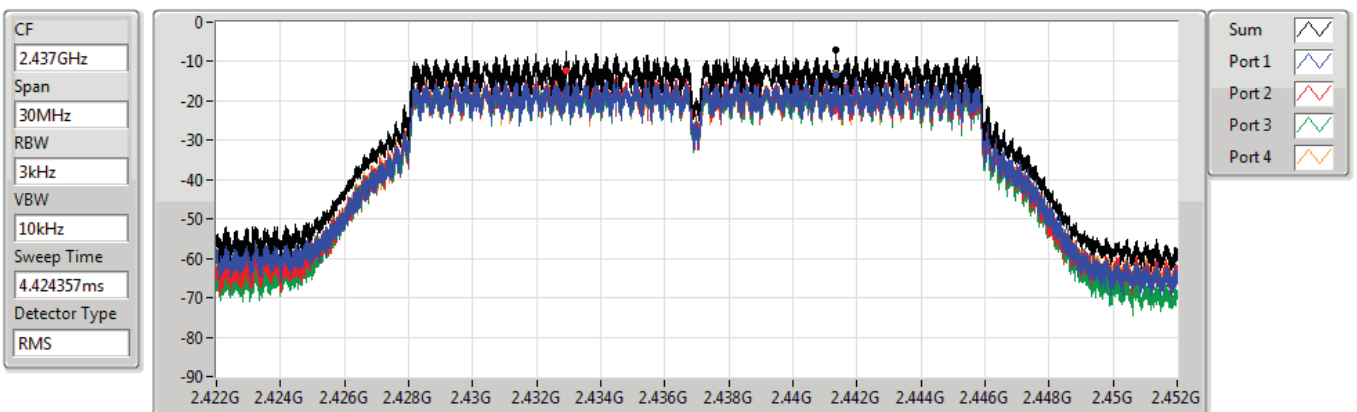
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.72	-4.72	-9.05	-10.35	-11.31	-8.96

VHT20\_Nss1,(MCS0)\_4TX

PSD

2437MHz

18/06/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.12	-7.12	-13.47	-12.30	-13.51	-12.95

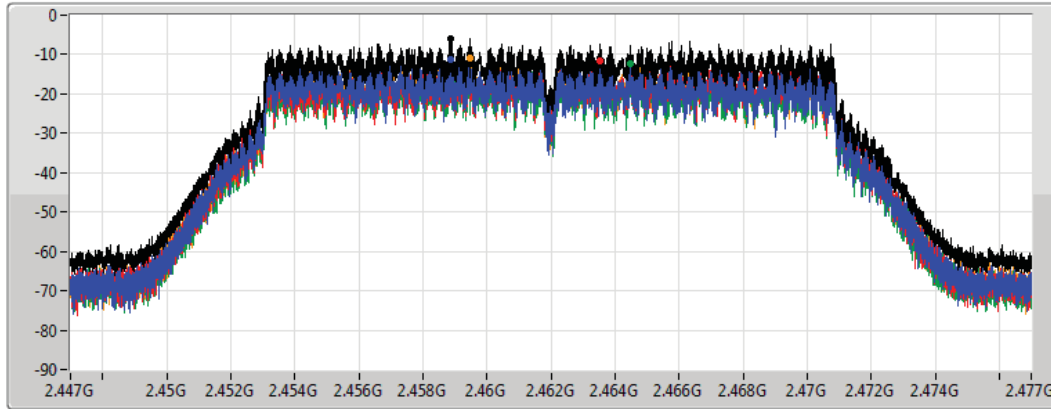
VHT20\_Nss1,(MCS0)\_4TX

PSD

2462MHz

18/06/2022

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



Sum   
Port 1   
Port 2   
Port 3   
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.90	-5.90	-11.30	-11.46	-12.48	-11.05

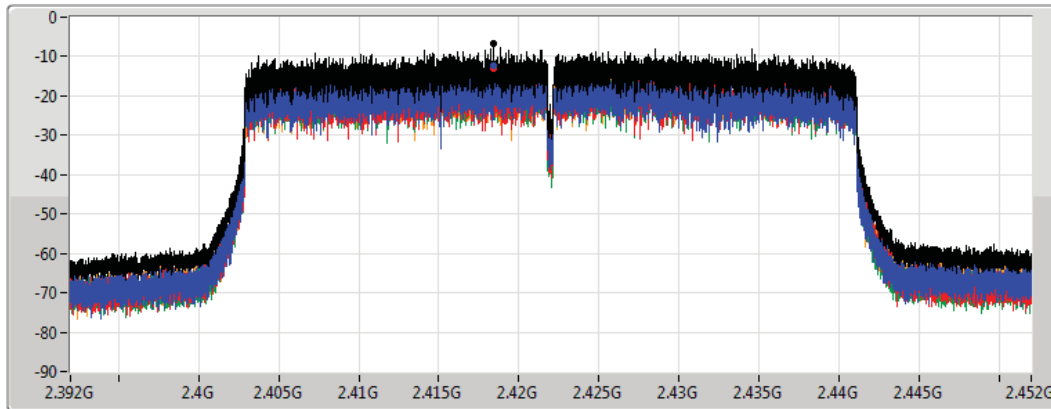
VHT40\_Nss1,(MCS0)\_4TX

PSD

2422MHz

18/06/2022

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



Sum   
Port 1   
Port 2   
Port 3   
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.73	-6.73	-12.16	-12.99	-13.13	-12.79

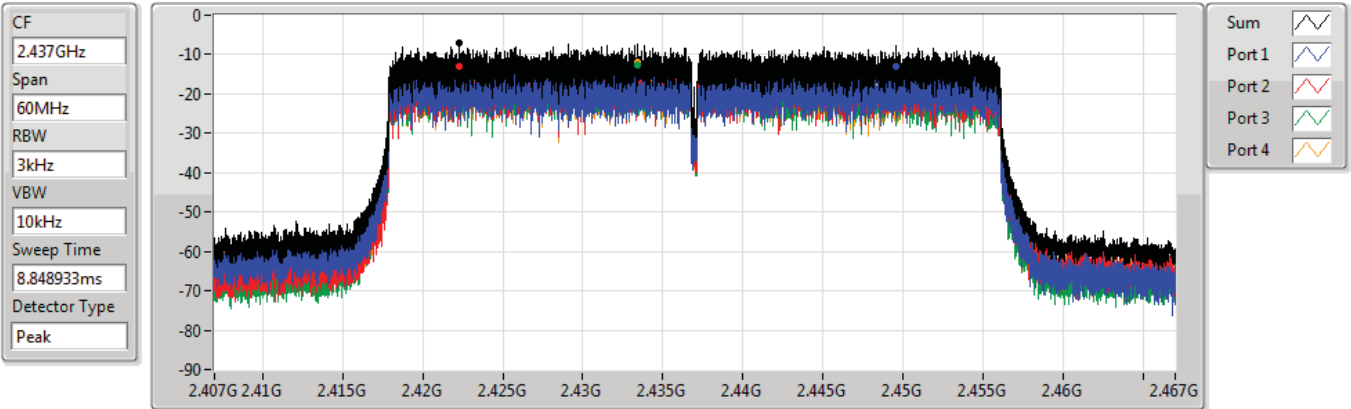


VHT40\_Nss1,(MCS0)\_4TX

PSD

2437MHz

18/06/2022



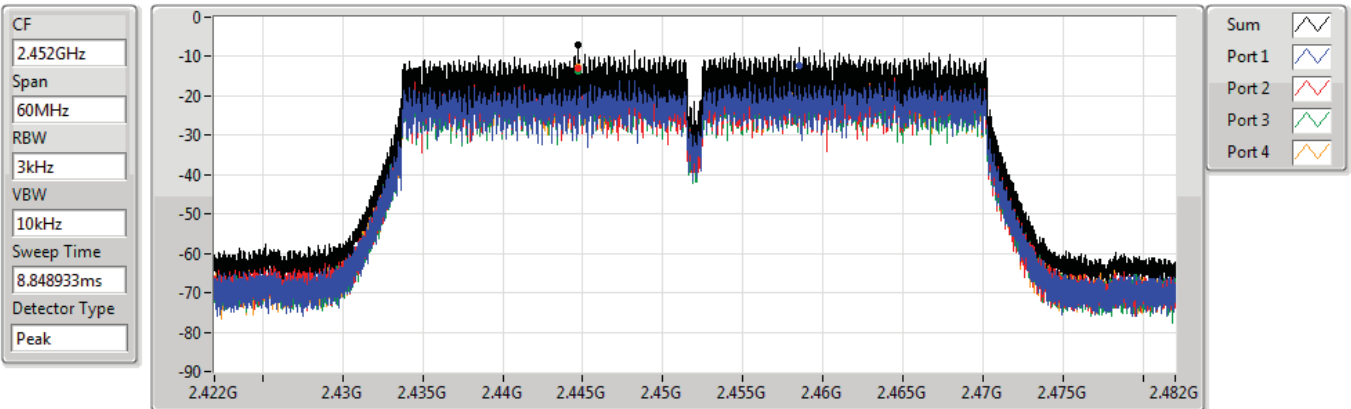
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.17	-7.17	-12.92	-13.00	-12.63	-11.86

VHT40\_Nss1,(MCS0)\_4TX

PSD

2452MHz

18/06/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.99	-6.99	-12.25	-12.87	-13.75	-12.61

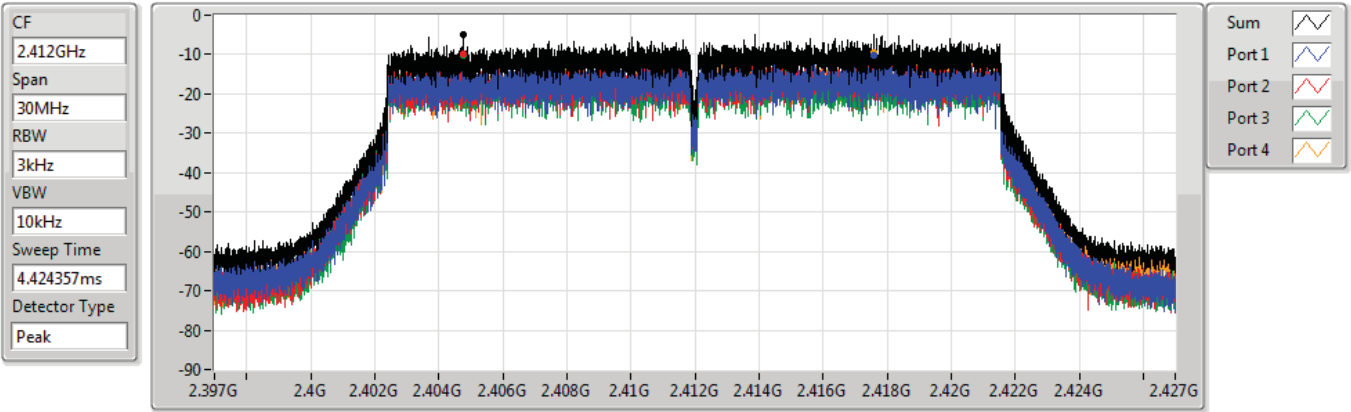


802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

2412MHz

15/06/2022



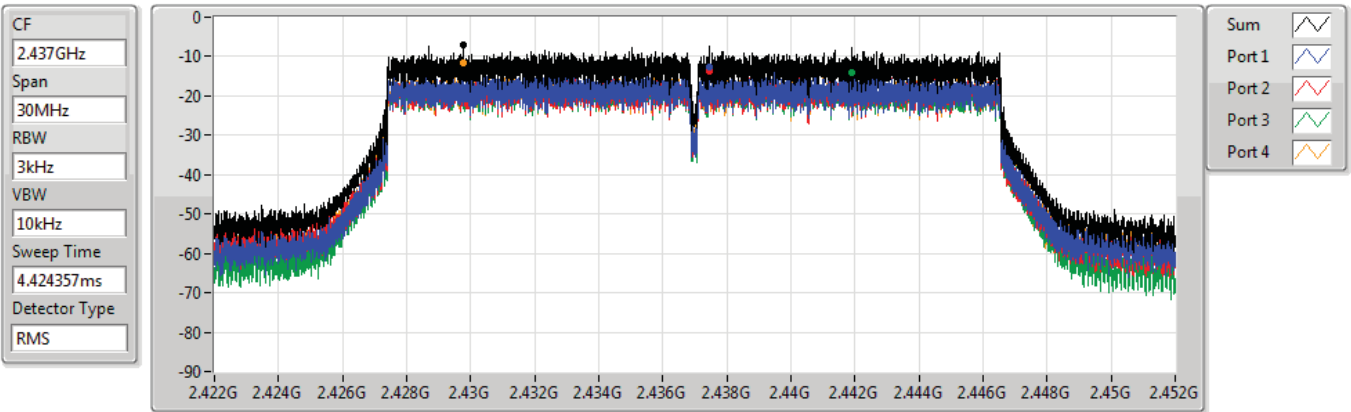
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.76	-4.76	-10.08	-9.69	-10.04	-9.61

802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

2437MHz

15/06/2022



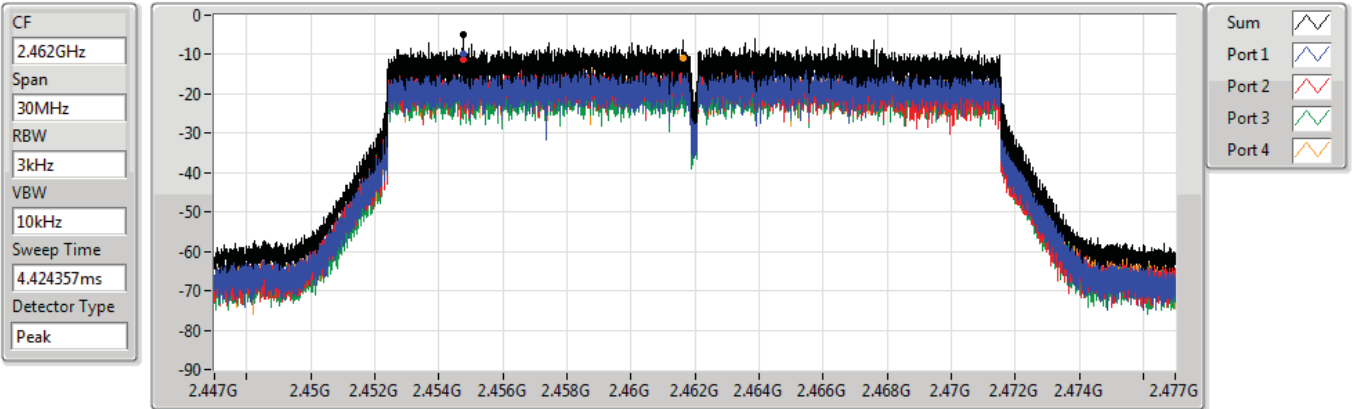
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.99	-6.99	-12.64	-13.57	-13.95	-11.54

802.11ax HEW20\_Nss1,(MCS0)\_4TX

PSD

2462MHz

15/06/2022



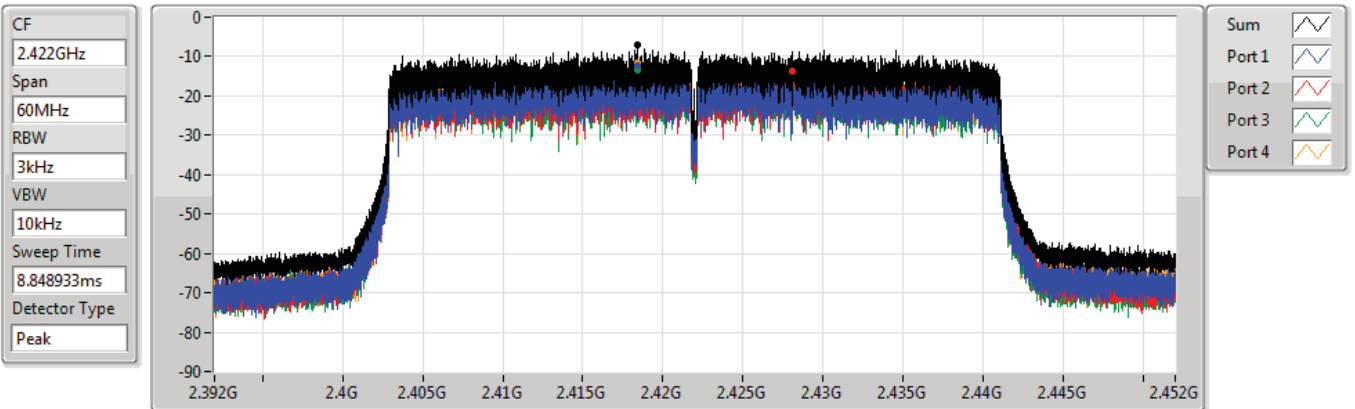
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.04	-5.04	-9.77	-11.35	-11.33	-11.05

802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

2422MHz

14/06/2022



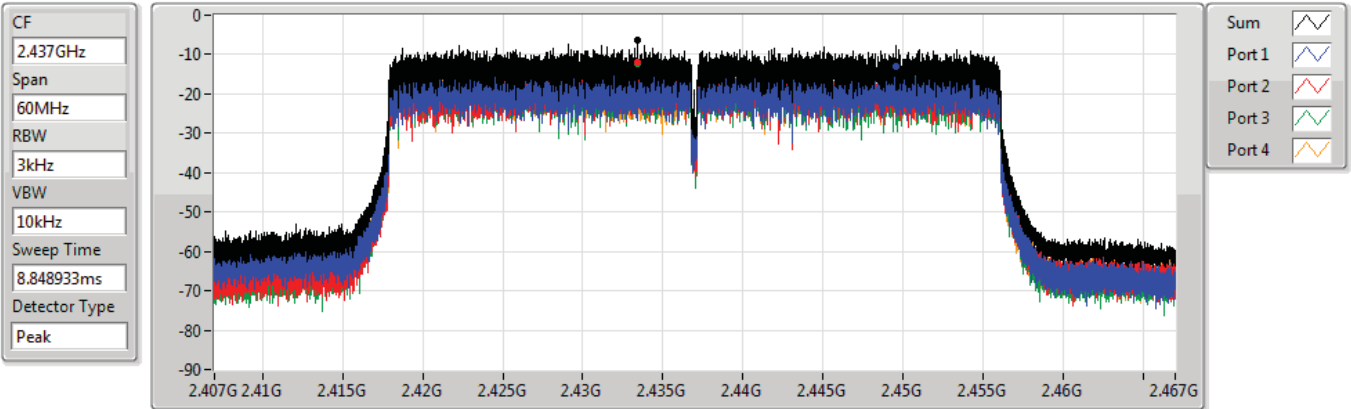
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.96	-6.96	-12.45	-13.70	-13.26	-11.74

802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

2437MHz

14/06/2022



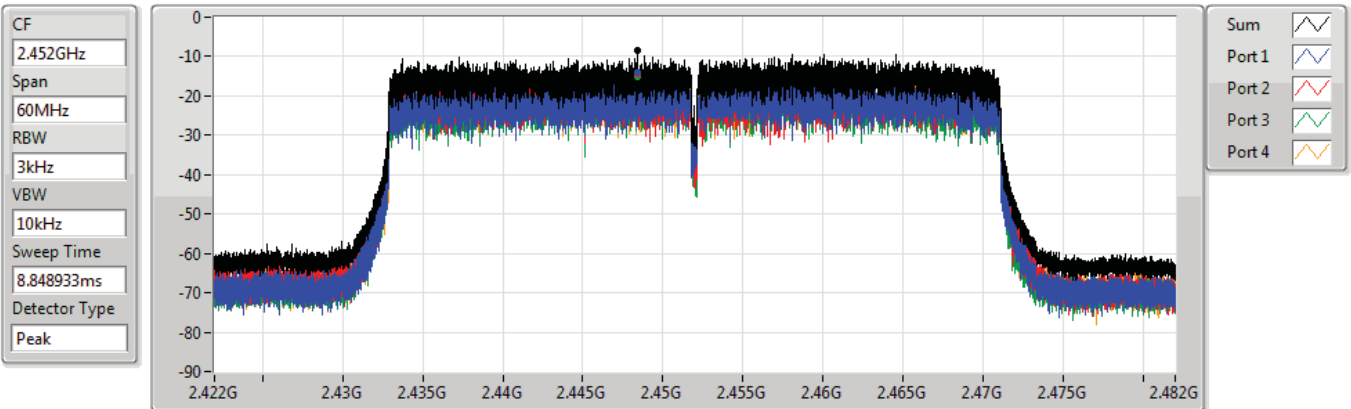
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.27	-6.27	-13.05	-11.89	-12.21	-11.79

802.11ax HEW40\_Nss1,(MCS0)\_4TX

PSD

2452MHz

14/06/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.35	-8.35	-14.20	-14.43	-15.06	-13.89



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-5.95
802.11g_Nss1,(6Mbps)_2TX	-3.63
802.11n HT20_Nss1,(MCS0)_2TX	-2.93
802.11n HT40_Nss1,(MCS0)_2TX	-8.09
VHT20_Nss1,(MCS0)_2TX	-4.20
VHT40_Nss1,(MCS0)_2TX	-7.93
802.11ax HEW20_Nss1,(MCS0)_2TX	-3.62
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.96

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	14.41	-8.18	-9.13	-5.95	-0.41
2437MHz	Pass	14.41	-9.26	-8.77	-6.18	-0.41
2462MHz	Pass	14.41	-9.77	-9.93	-7.21	-0.41
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	14.41	-7.73	-8.00	-4.85	-0.41
2437MHz	Pass	14.41	-6.68	-5.46	-3.63	-0.41
2462MHz	Pass	14.41	-8.71	-8.65	-5.77	-0.41
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	14.41	-7.63	-7.98	-5.51	-0.41
2437MHz	Pass	14.41	-4.52	-6.03	-2.93	-0.41
2462MHz	Pass	14.41	-9.90	-9.43	-6.67	-0.41
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	14.41	-12.71	-13.34	-10.53	-0.41
2437MHz	Pass	14.41	-11.21	-10.99	-8.09	-0.41
2452MHz	Pass	14.41	-14.54	-15.96	-12.53	-0.41
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	14.41	-9.20	-9.78	-7.26	-0.41
2437MHz	Pass	14.41	-5.87	-6.84	-4.20	-0.41
2462MHz	Pass	14.41	-10.53	-10.12	-7.95	-0.41
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	14.41	-12.74	-13.85	-10.79	-0.41
2437MHz	Pass	14.41	-9.11	-11.46	-7.93	-0.41
2452MHz	Pass	14.41	-13.89	-15.62	-12.06	-0.41
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	14.41	-9.06	-7.90	-5.43	-0.41
2437MHz	Pass	14.41	-5.17	-6.49	-3.62	-0.41
2462MHz	Pass	14.41	-11.03	-9.79	-8.13	-0.41
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	14.41	-13.69	-13.50	-10.59	-0.41
2437MHz	Pass	14.41	-11.58	-11.50	-8.96	-0.41
2452MHz	Pass	14.41	-14.62	-13.83	-11.47	-0.41

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

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2412MHz

15/06/2022

CF  
2.412GHz

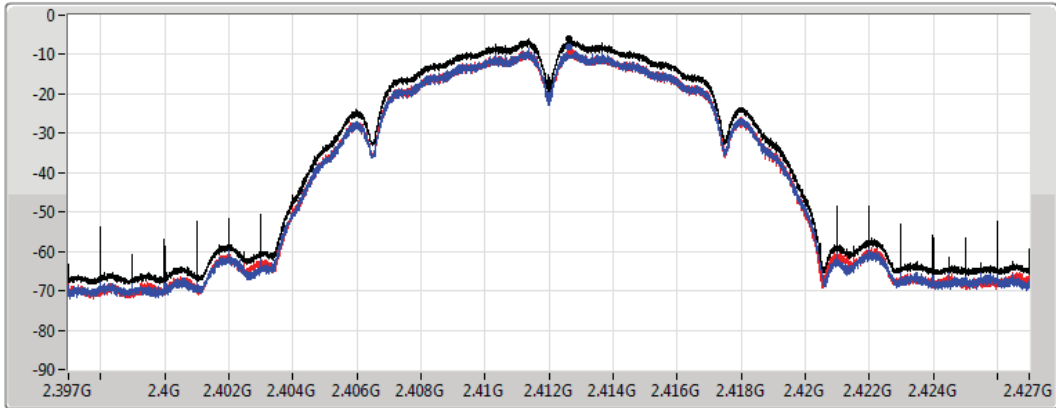
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.95	-5.95	-8.18	-9.13

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2437MHz

15/06/2022

CF  
2.437GHz

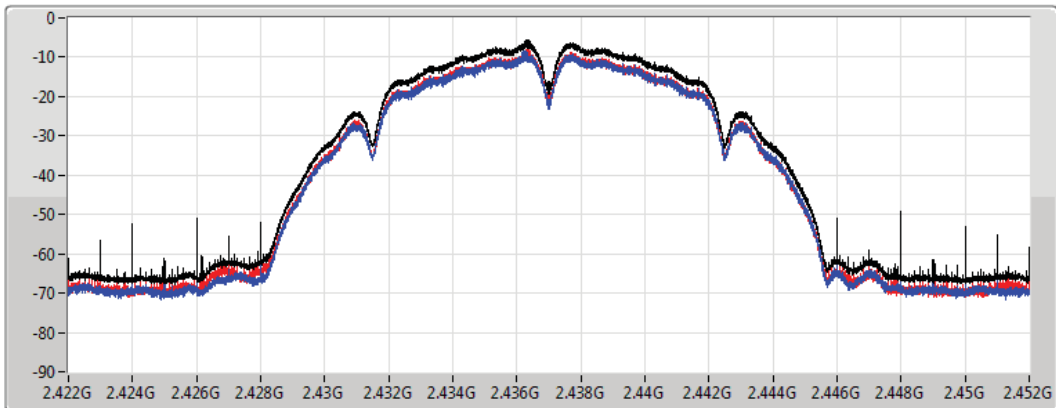
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.18	-6.18	-9.26	-8.77

### 802.11b\_Nss1,(1Mbps)\_2TX

### PSD

2462MHz

15/06/2022

CF  
2.462GHz

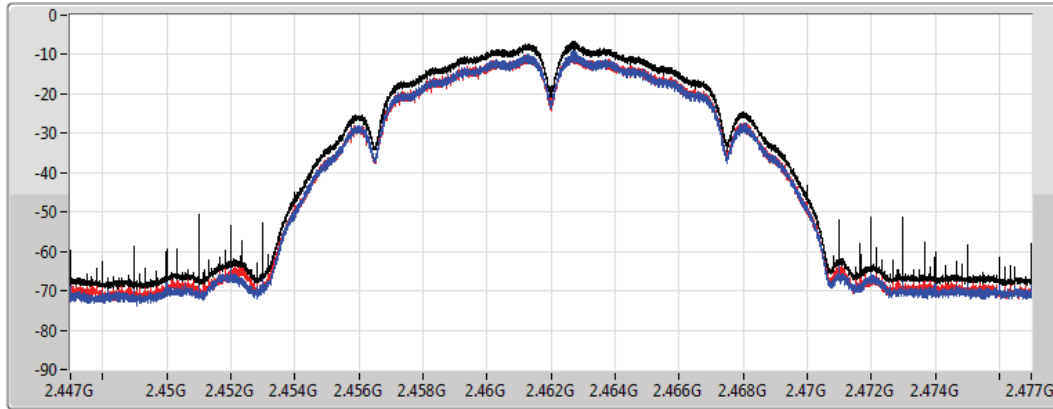
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
RMS



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.21	-7.21	-9.77	-9.93

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2412MHz

14/06/2022

CF  
2.412GHz

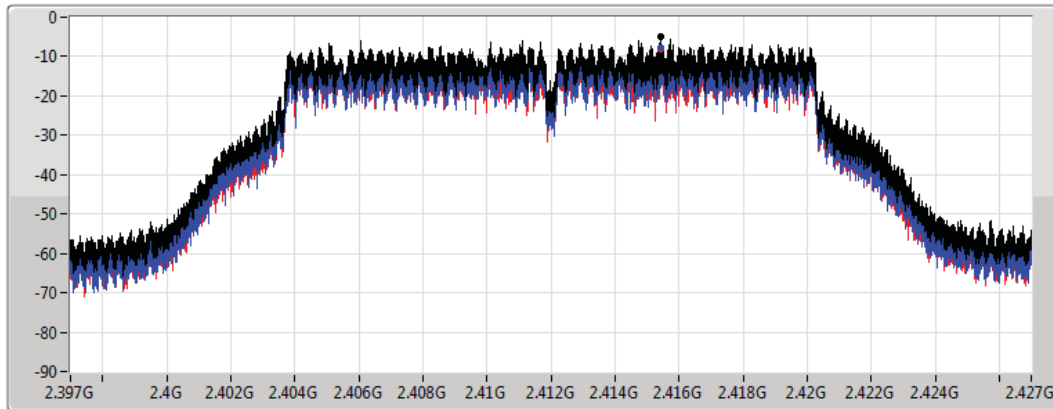
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.85	-4.85	-7.73	-8.00



### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2437MHz

14/06/2022

CF  
2.437GHz

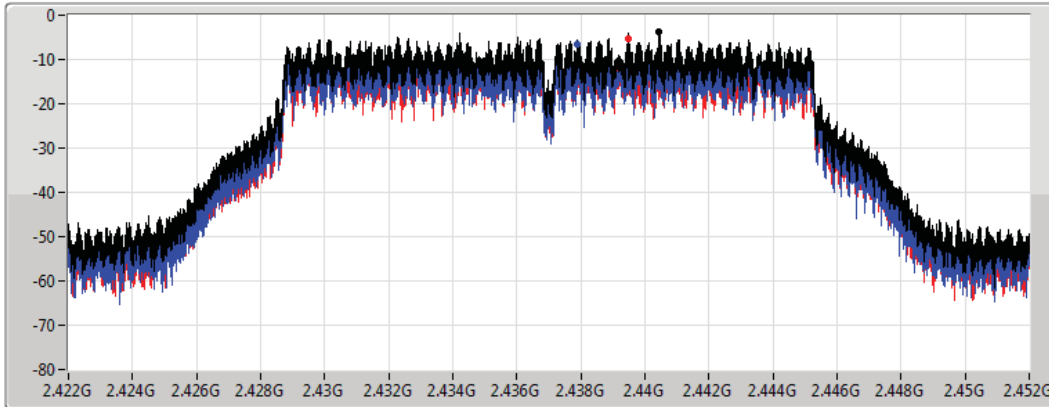
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.63	-3.63	-6.68	-5.46

### 802.11g\_Nss1,(6Mbps)\_2TX

### PSD

2462MHz

14/06/2022

CF  
2.462GHz

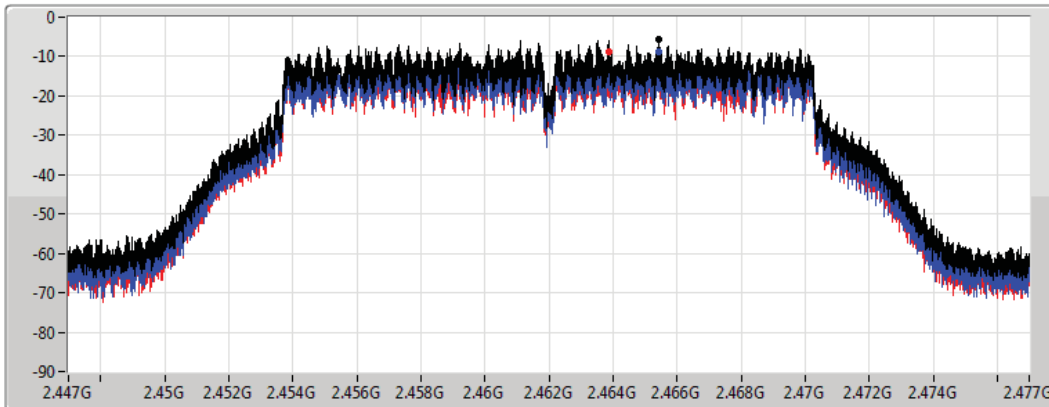
Span  
30MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
4.424357ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.77	-5.77	-8.71	-8.65

802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

10/08/2022

CF  
2.412GHz

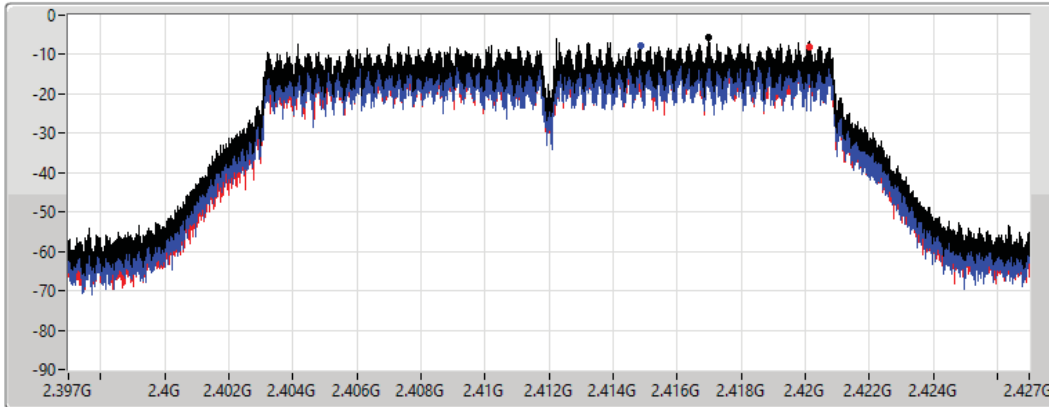
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.51	-5.51	-7.63	-7.98

802.11n HT20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

10/08/2022

CF  
2.437GHz

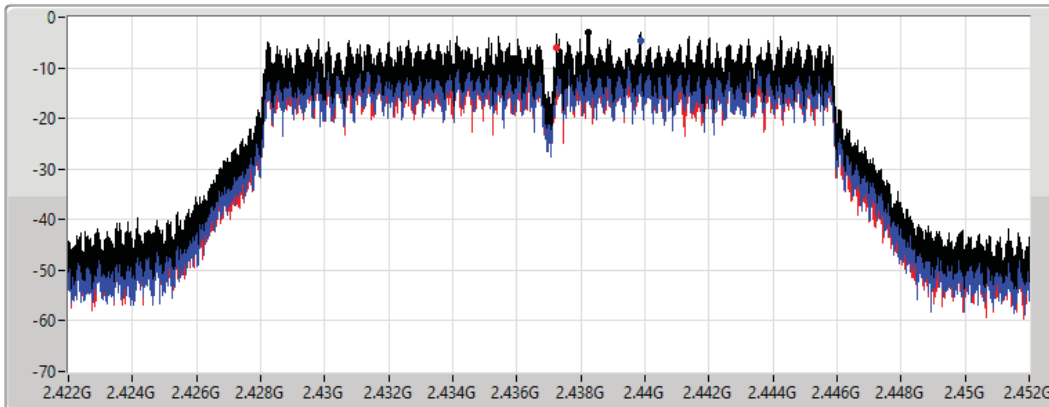
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-2.93	-2.93	-4.52	-6.03



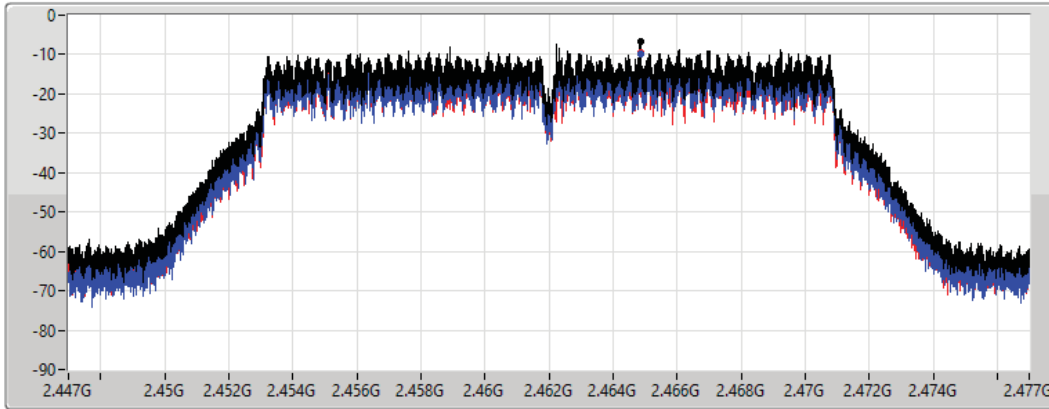
### 802.11n HT20\_Nss1,(MCS0)\_2TX

### PSD

2462MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-6.67	-6.67	-9.90	-9.43

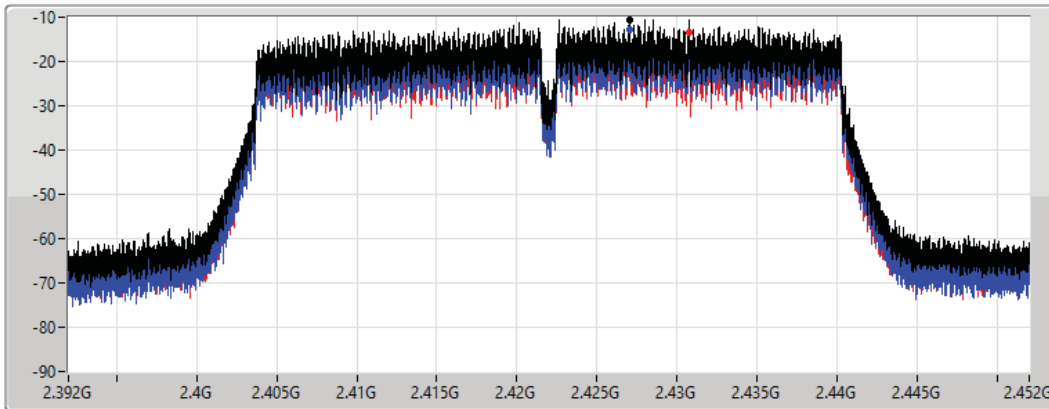
### 802.11n HT40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.53	-10.53	-12.71	-13.34

802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

10/08/2022

CF  
2.437GHz

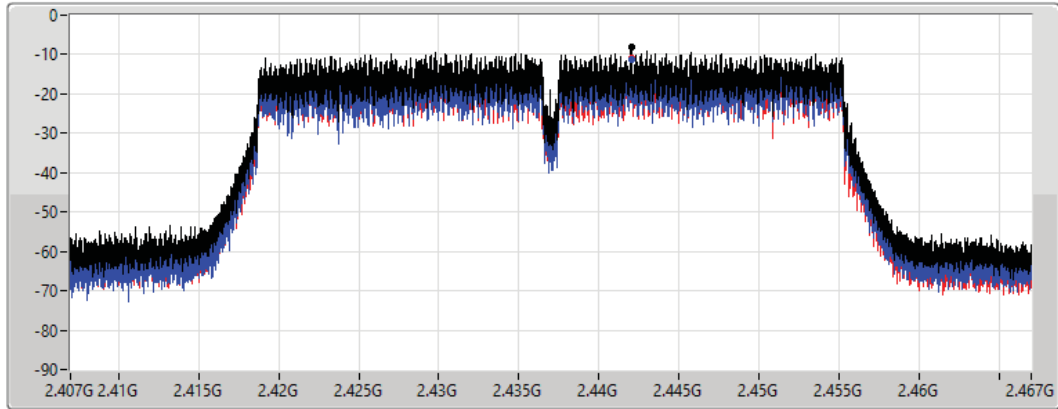
Span  
60MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
8.848933ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.09	-8.09	-11.21	-10.99

802.11n HT40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

10/08/2022

CF  
2.452GHz

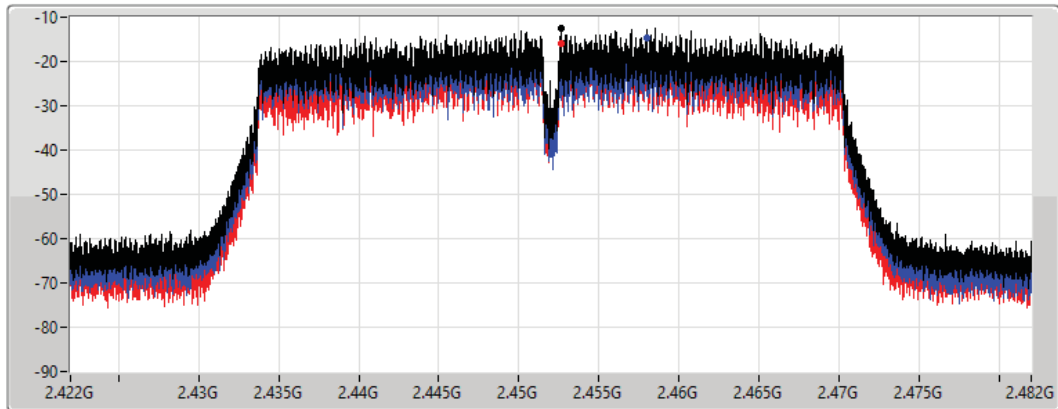
Span  
60MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
8.848933ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.53	-12.53	-14.54	-15.96



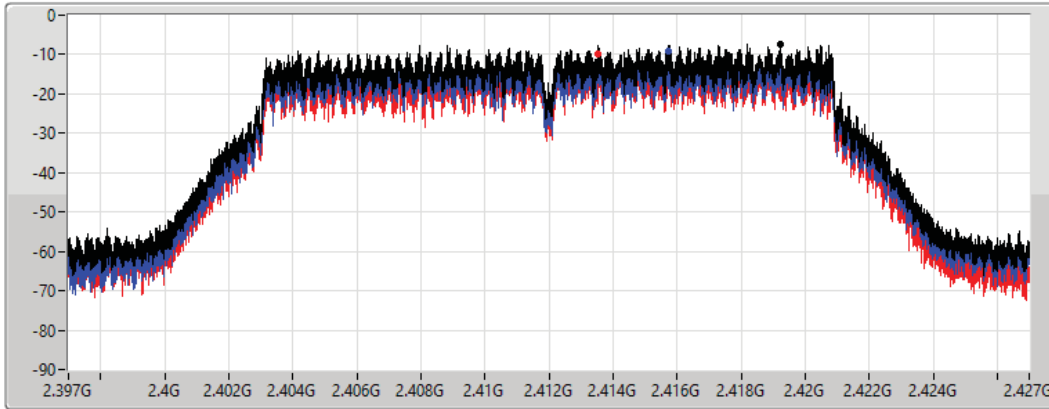
### VHT20\_Nss1,(MCS0)\_2TX

### PSD

2412MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.26	-7.26	-9.20	-9.78

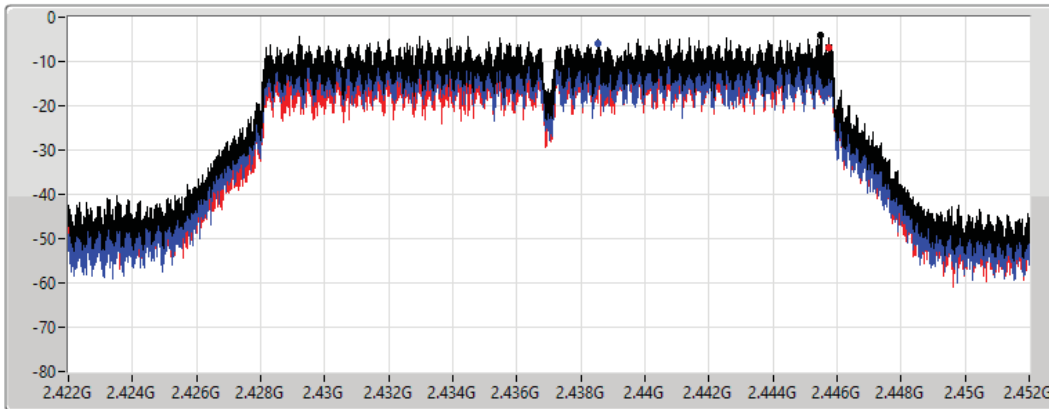
### VHT20\_Nss1,(MCS0)\_2TX

### PSD

2437MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-4.20	-4.20	-5.87	-6.84

VHT20\_Nss1,(MCS0)\_2TX

PSD

2462MHz

10/08/2022

CF  
2.462GHz

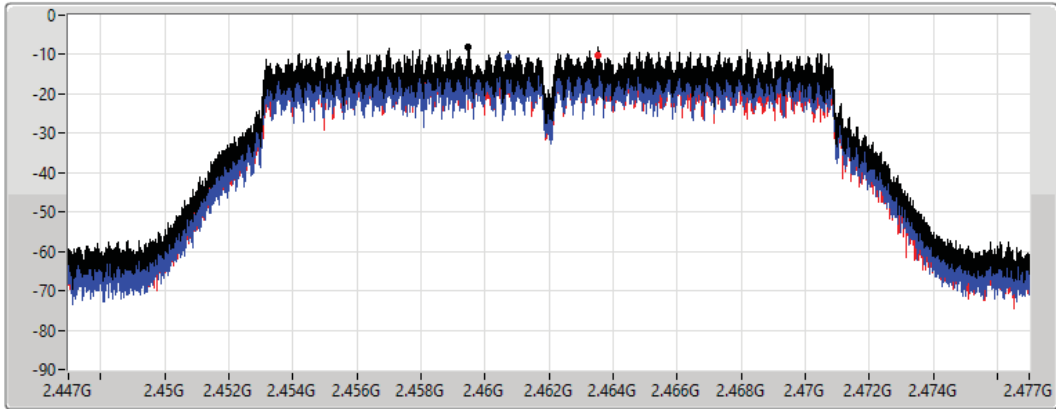
Span  
30MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
4.424357ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.95	-7.95	-10.53	-10.12

VHT40\_Nss1,(MCS0)\_2TX

PSD

2422MHz

18/06/2022

CF  
2.422GHz

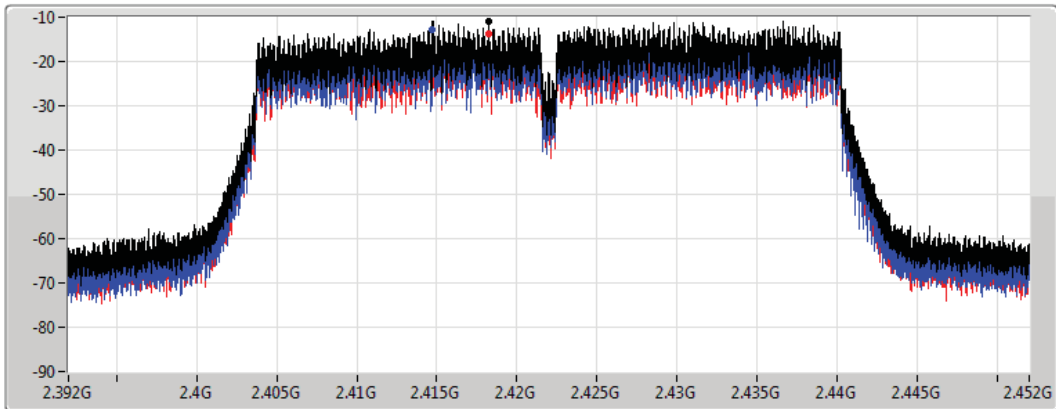
Span  
60MHz


RBW  
3kHz


VBW  
10kHz


Sweep Time  
8.848933ms

Detector Type  
Peak



Sum 

Port 1 

Port 2 

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.79	-10.79	-12.74	-13.85



VHT40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

10/08/2022

CF  
2.437GHz

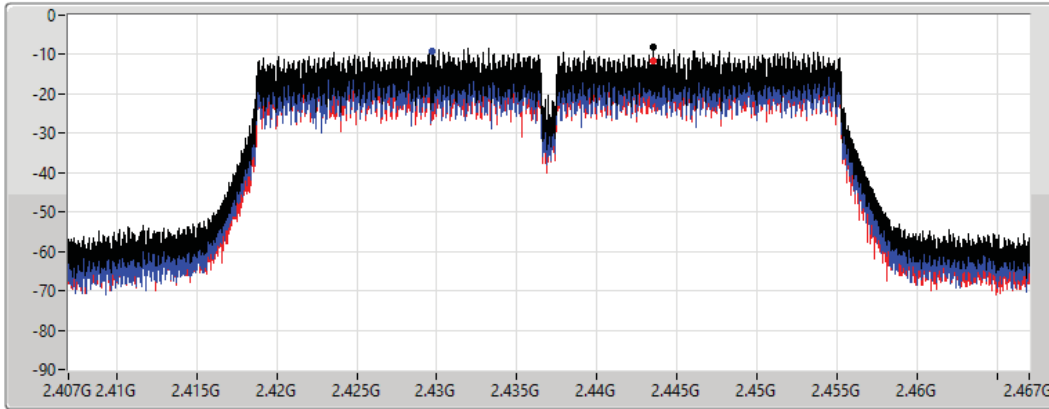
Span  
60MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
8.848933ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.93	-7.93	-9.11	-11.46

VHT40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

10/08/2022

CF  
2.452GHz

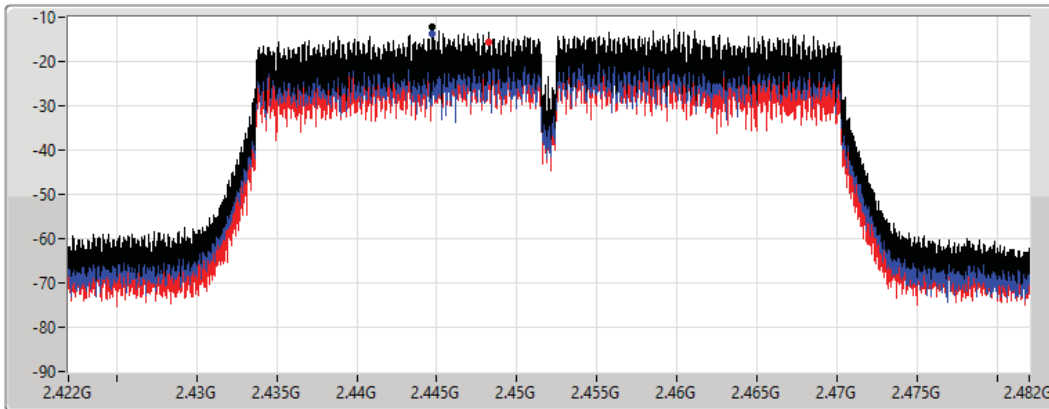
Span  
60MHz

RBW  
3kHz

VBW  
10kHz

Sweep Time  
8.848933ms

Detector Type  
Peak



Sum

Port 1

Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.06	-12.06	-13.89	-15.62

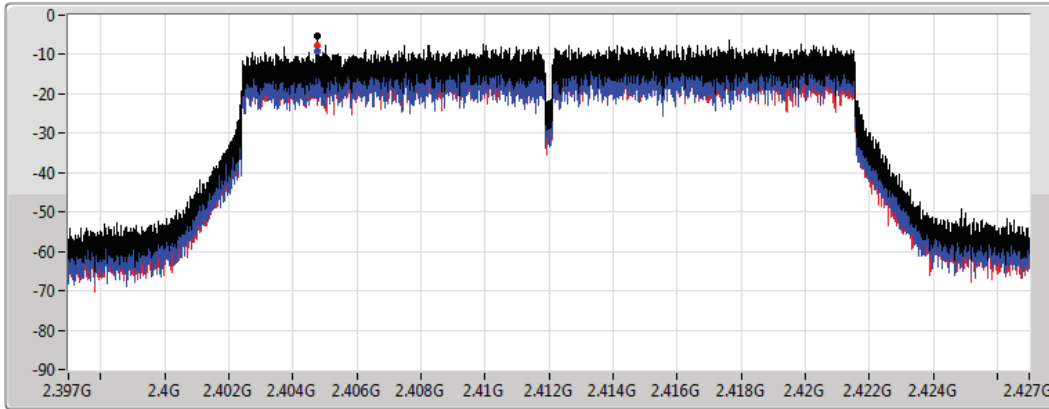
802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2412MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.43	-5.43	-9.06	-7.90

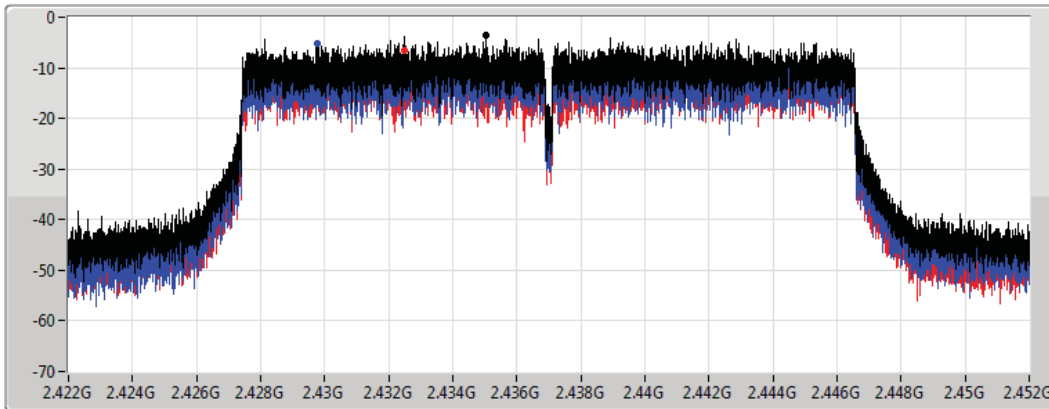
802.11ax HEW20\_Nss1,(MCS0)\_2TX

PSD

2437MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-3.62	-3.62	-5.17	-6.49



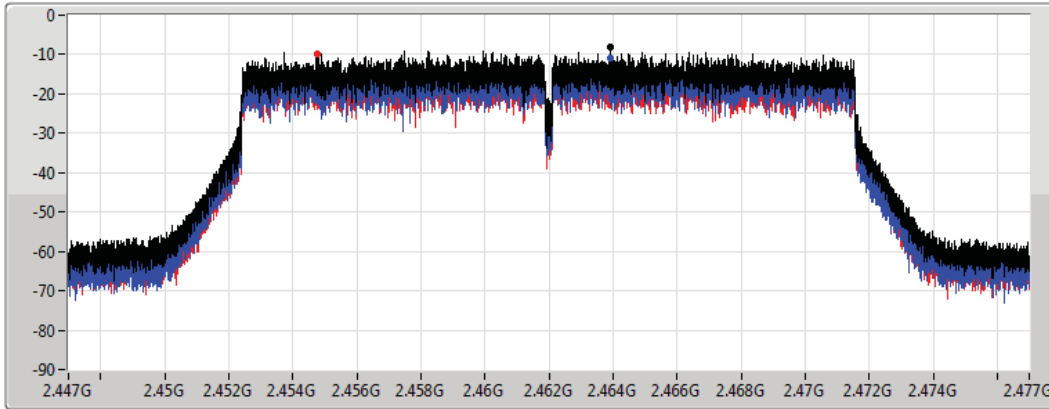
### 802.11ax HEW20\_Nss1,(MCS0)\_2TX

### PSD

2462MHz

10/08/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.13	-8.13	-11.03	-9.79

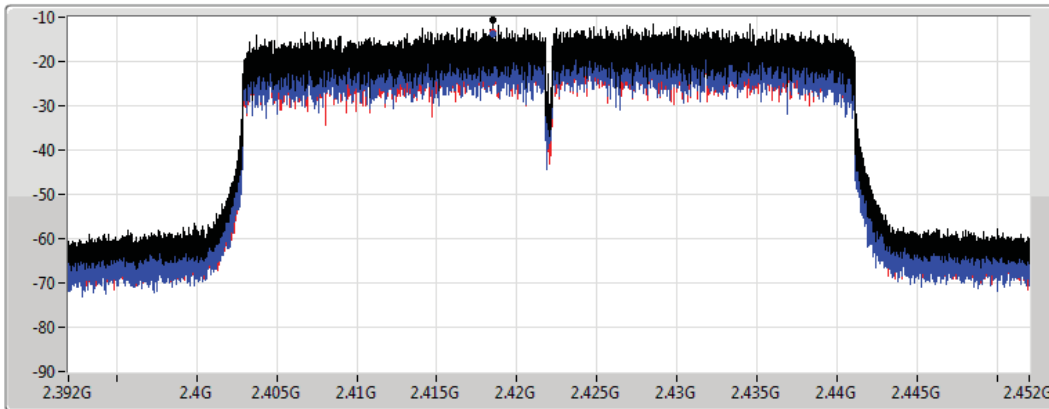
### 802.11ax HEW40\_Nss1,(MCS0)\_2TX

### PSD

2422MHz

15/06/2022

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



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.59	-10.59	-13.69	-13.50

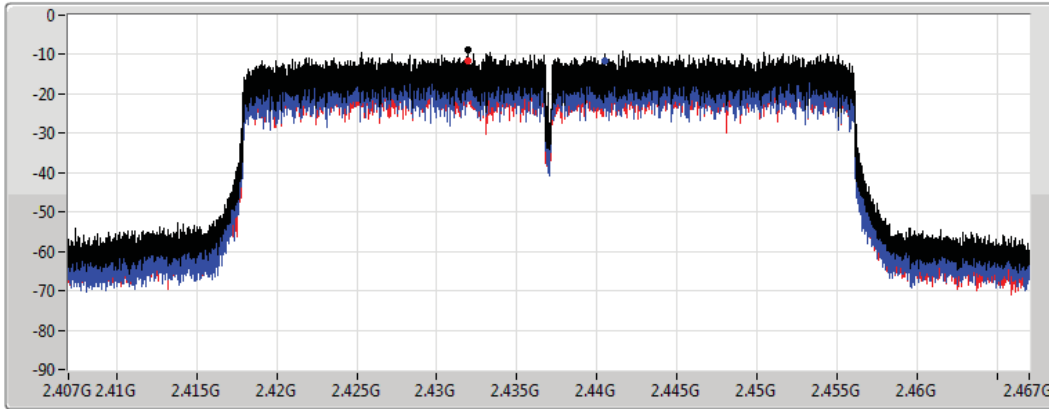
802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2437MHz

10/08/2022

CF  
2.437GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
8.848933ms  
Detector Type  
Peak



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.96	-8.96	-11.58	-11.50

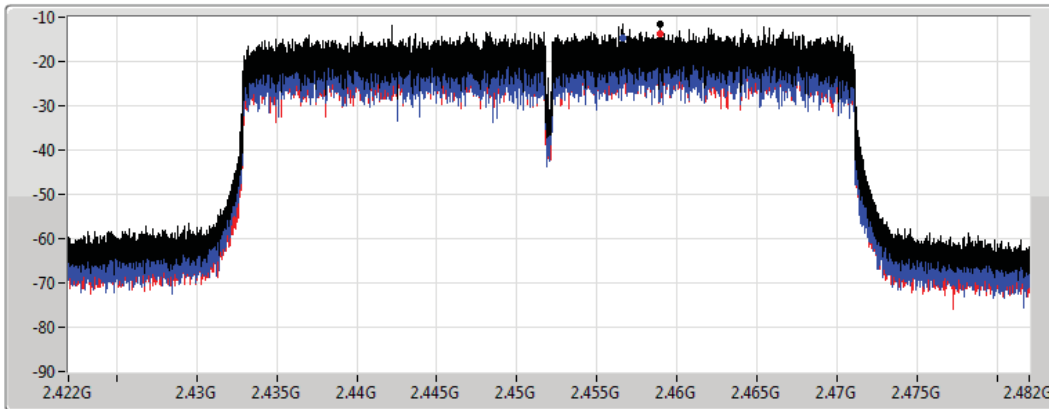
802.11ax HEW40\_Nss1,(MCS0)\_2TX

PSD

2452MHz

10/08/2022

CF  
2.452GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
8.848933ms  
Detector Type  
Peak



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.47	-11.47	-14.62	-13.83



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-7.87
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-10.09

RBW = 3kHz:



Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	Port 3 (dBm/RBW)	Port 4 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2412MHz	Pass	17.50	-13.96	-13.57	-13.46	-9.58	-7.87	-3.50
2437MHz	Pass	17.50	-14.65	-14.34	-14.17	-13.14	-9.47	-3.50
2462MHz	Pass	17.50	-12.26	-14.05	-12.74	-13.68	-9.86	-3.50
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-
2422MHz	Pass	17.50	-16.16	-15.84	-15.02	-11.02	-10.09	-3.50
2437MHz	Pass	17.50	-16.80	-17.77	-15.78	-14.74	-12.31	-3.50
2452MHz	Pass	17.50	-15.27	-16.01	-15.38	-15.22	-12.22	-3.50

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



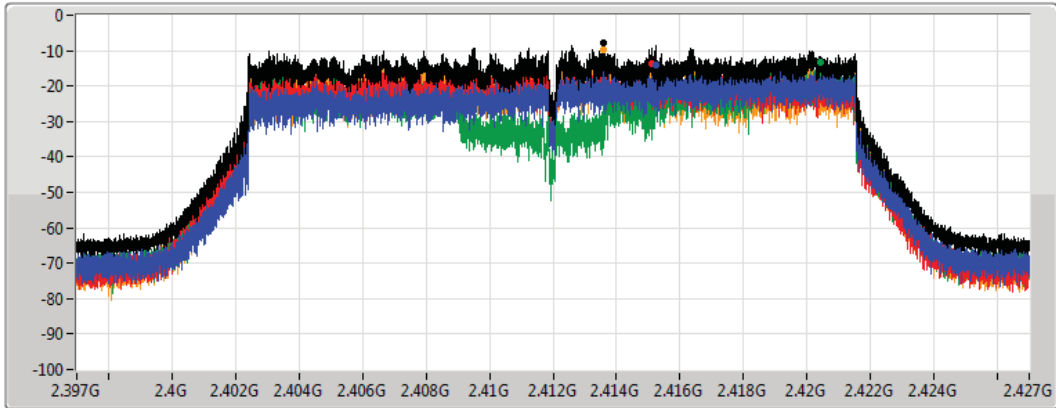
802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

2412MHz

23/06/2022

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



Sum  
Port 1  
Port 2  
Port 3  
Port 4

Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-7.87	-7.87	-13.96	-13.57	-13.46	-9.58

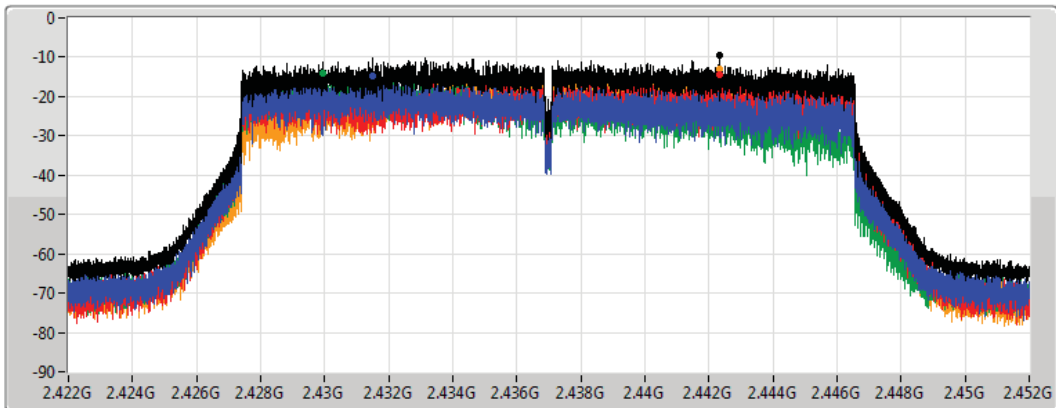
802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

2437MHz

23/06/2022

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



Sum  
Port 1  
Port 2  
Port 3  
Port 4

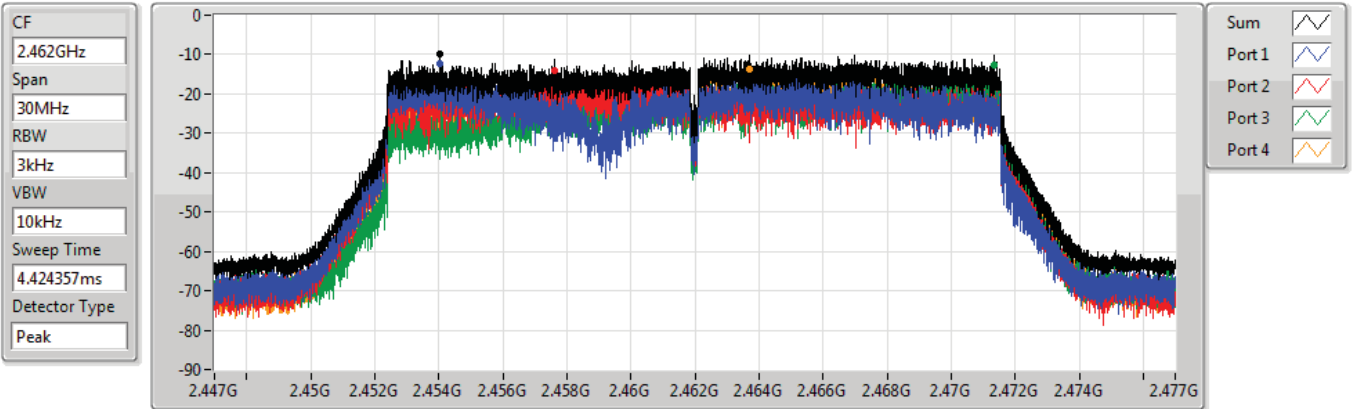
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.47	-9.47	-14.65	-14.34	-14.17	-13.14

802.11ax HEW20-BF\_Nss1,(MCS0)\_4TX

PSD

2462MHz

23/06/2022



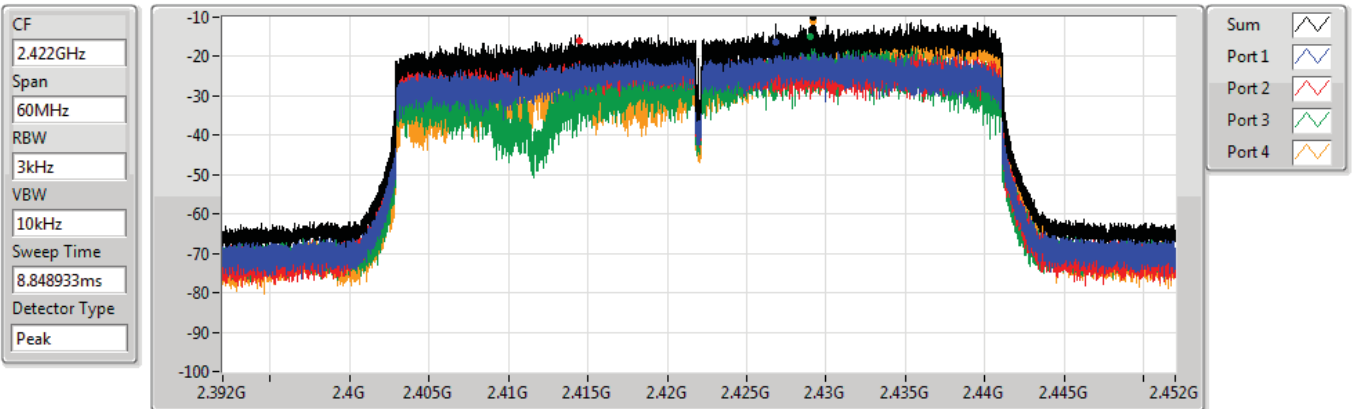
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.86	-9.86	-12.26	-14.05	-12.74	-13.68

802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

2422MHz

23/06/2022



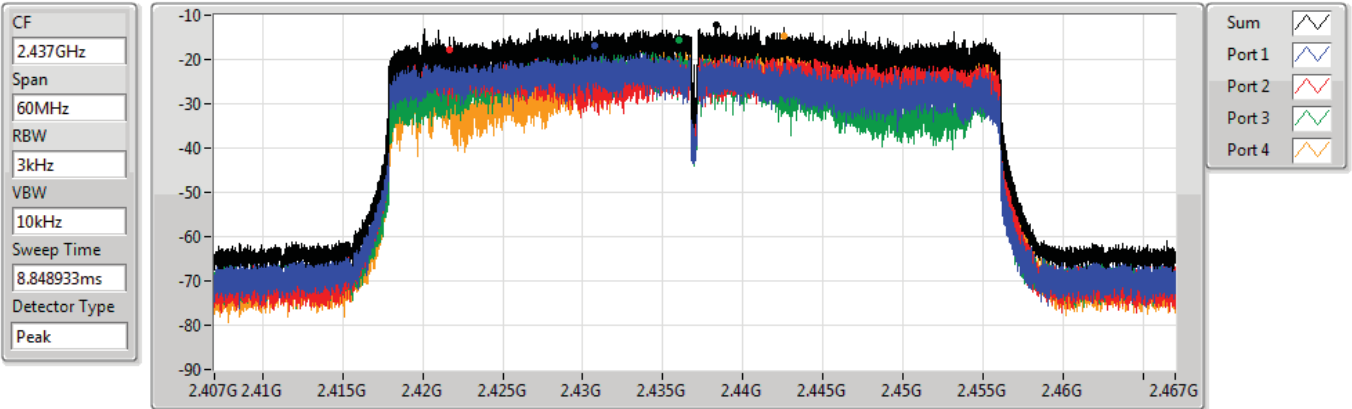
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.09	-10.09	-16.16	-15.84	-15.02	-11.02

802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

2437MHz

23/06/2022



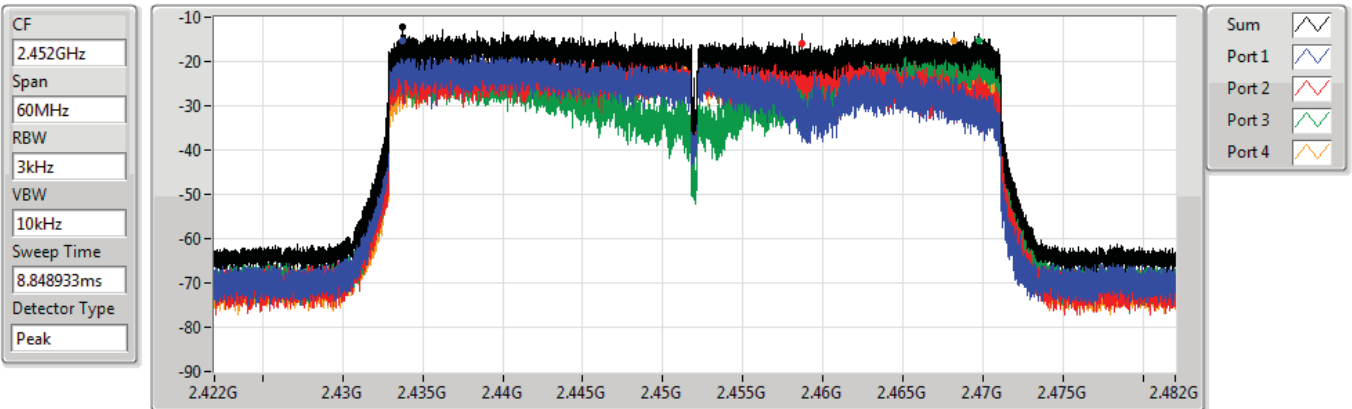
Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.31	-12.31	-16.80	-17.77	-15.78	-14.74

802.11ax HEW40-BF\_Nss1,(MCS0)\_4TX

PSD

2452MHz

23/06/2022



Sum	PD	Port 1	Port 2	Port 3	Port 4
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.22	-12.22	-15.27	-16.01	-15.38	-15.22



**Summary**

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-5.97
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-9.22

RBW = 3kHz:





Result

Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	14.41	-9.94	-11.99	-8.58	-0.41
2437MHz	Pass	14.41	-8.40	-8.81	-5.97	-0.41
2462MHz	Pass	14.41	-12.11	-12.46	-10.03	-0.41
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	14.41	-13.91	-13.00	-11.15	-0.41
2437MHz	Pass	14.41	-11.34	-11.09	-9.22	-0.41
2452MHz	Pass	14.41	-14.37	-13.59	-12.61	-0.41

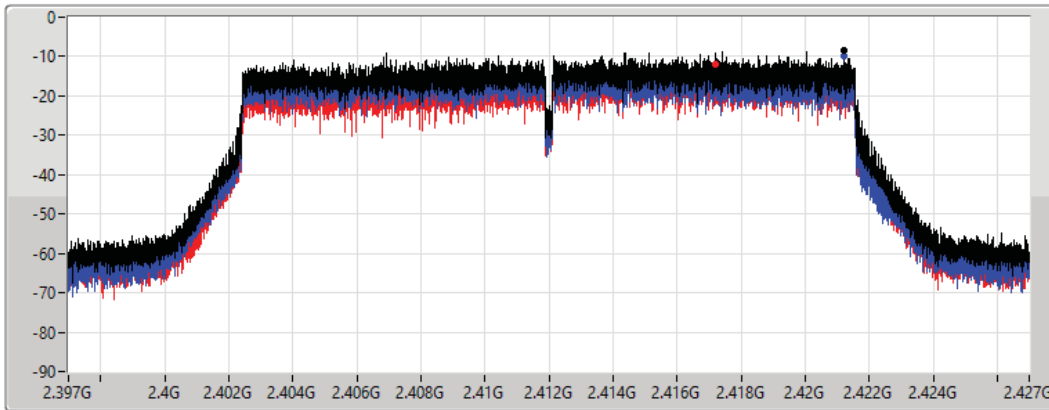
DG = Directional Gain; RBW = 3kHz;  
PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;




**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX**  
**2412MHz**

**PSD**

10/08/2022

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



Sum   
Port 1   
Port 2 

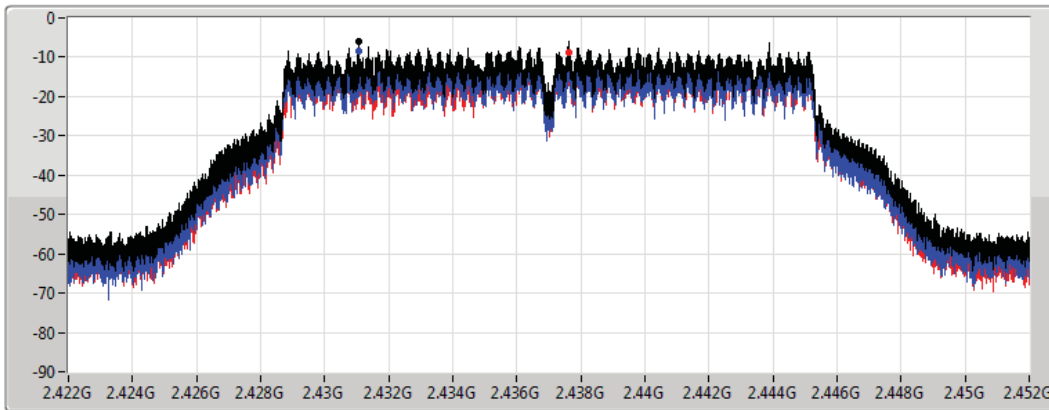
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-8.58	-8.58	-9.94	-11.99




**802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX**  
**2437MHz**

**PSD**

27/06/2022

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



Sum   
Port 1   
Port 2 

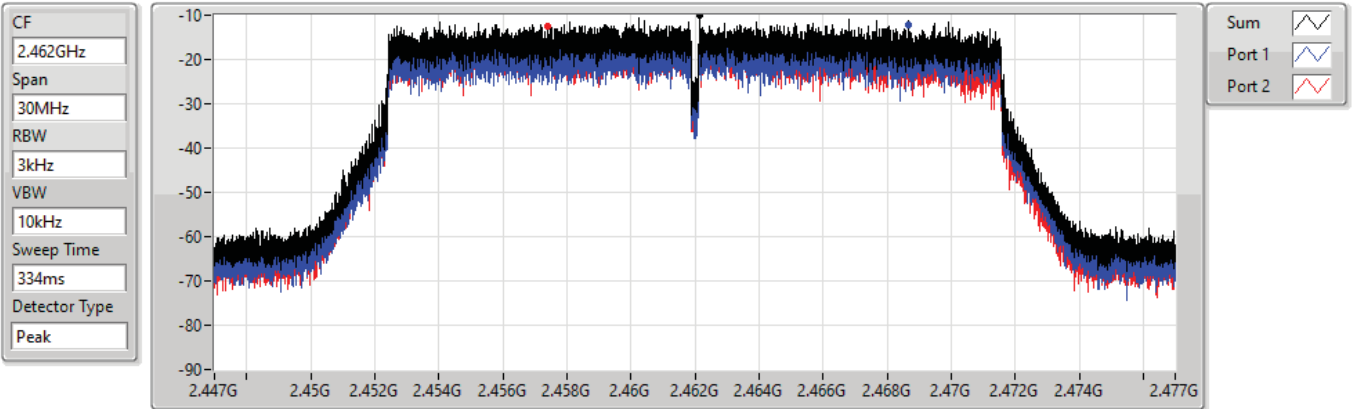
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-5.97	-5.97	-8.40	-8.81

802.11ax HEW20-BF\_Nss1,(MCS0)\_2TX

PSD

2462MHz

10/08/2022



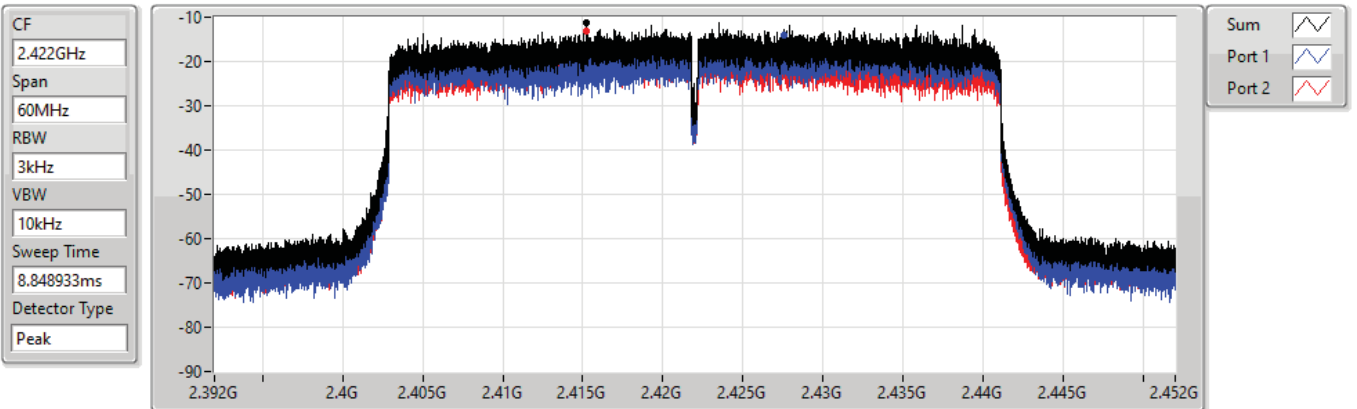
Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-10.03	-10.03	-12.11	-12.46

802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

PSD

2422MHz

10/08/2022



Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-11.15	-11.15	-13.91	-13.00



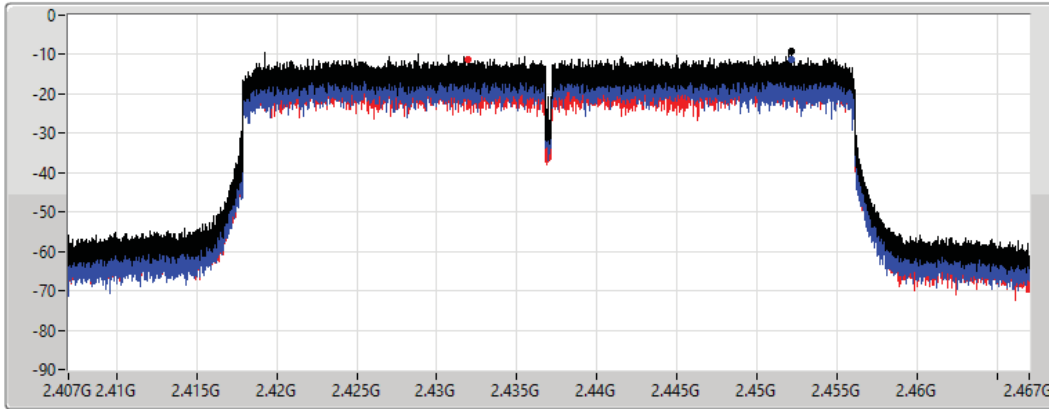
### 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

PSD

2437MHz

10/08/2022

CF  
2.437GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
667ms  
Detector Type  
Peak



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-9.22	-9.22	-11.34	-11.09

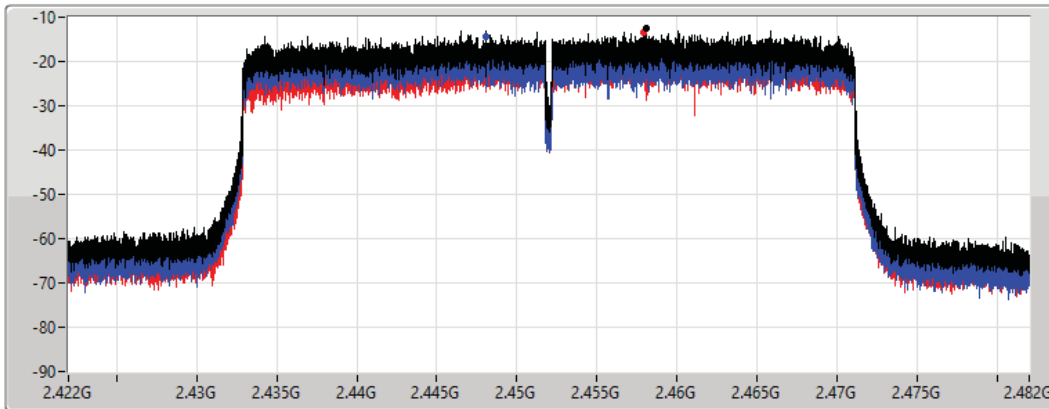
### 802.11ax HEW40-BF\_Nss1,(MCS0)\_2TX

PSD

2452MHz

10/08/2022

CF  
2.452GHz  
Span  
60MHz  
RBW  
3kHz  
VBW  
10kHz  
Sweep Time  
8.848933ms  
Detector Type  
Peak



Sum   
Port 1   
Port 2

Sum	PD	Port 1	Port 2
(dBm/RBW)	(dBm/RBW)	(dBm/RBW)	(dBm/RBW)
-12.61	-12.61	-14.37	-13.59



Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	2.43641G	11.35	-18.65	2.13399G	-53.15	2.398G	-48.58	2.4G	-51.26	2.51438G	-52.25	16.38307G	-41.34	2
802.11g_Nss1,(6Mbps)_4TX	Pass	2.43574G	7.46	-22.54	2.127G	-53.50	2.39984G	-35.74	2.4G	-34.83	2.50966G	-52.78	23.28336G	-41.76	2
802.11n HT20_Nss1,(MCS0)_4TX	Pass	2.43073G	7.01	-22.99	2.14797G	-54.32	2.4G	-42.11	2.4G	-38.61	2.51838G	-50.64	16.38026G	-41.34	1
802.11n HT40_Nss1,(MCS0)_4TX	Pass	2.4319G	2.88	-27.12	1.86429G	-53.97	2.39648G	-45.57	2.4G	-44.94	2.52958G	-51.90	15.03819G	-40.49	1
VHT20_Nss1,(MCS0)_4TX	Pass	2.4319G	7.02	-22.98	2.10953G	-54.58	2.4G	-41.21	2.4G	-39.27	2.50766G	-52.57	24.94381G	-41.79	4
VHT40_Nss1,(MCS0)_4TX	Pass	2.4319G	2.83	-27.17	1.77956G	-54.53	2.39984G	-38.81	2.4G	-47.34	2.5235G	-52.11	23.26117G	-41.71	4
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	2.4319G	7.12	-22.88	2.14098G	-53.46	2.39984G	-39.28	2.4G	-38.16	2.5091G	-52.58	24.93257G	-41.77	4
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	2.4319G	2.87	-27.13	2.18146G	-54.60	2.39984G	-42.62	2.4G	-40.65	2.56302G	-52.88	16.71532G	-41.59	4



Result

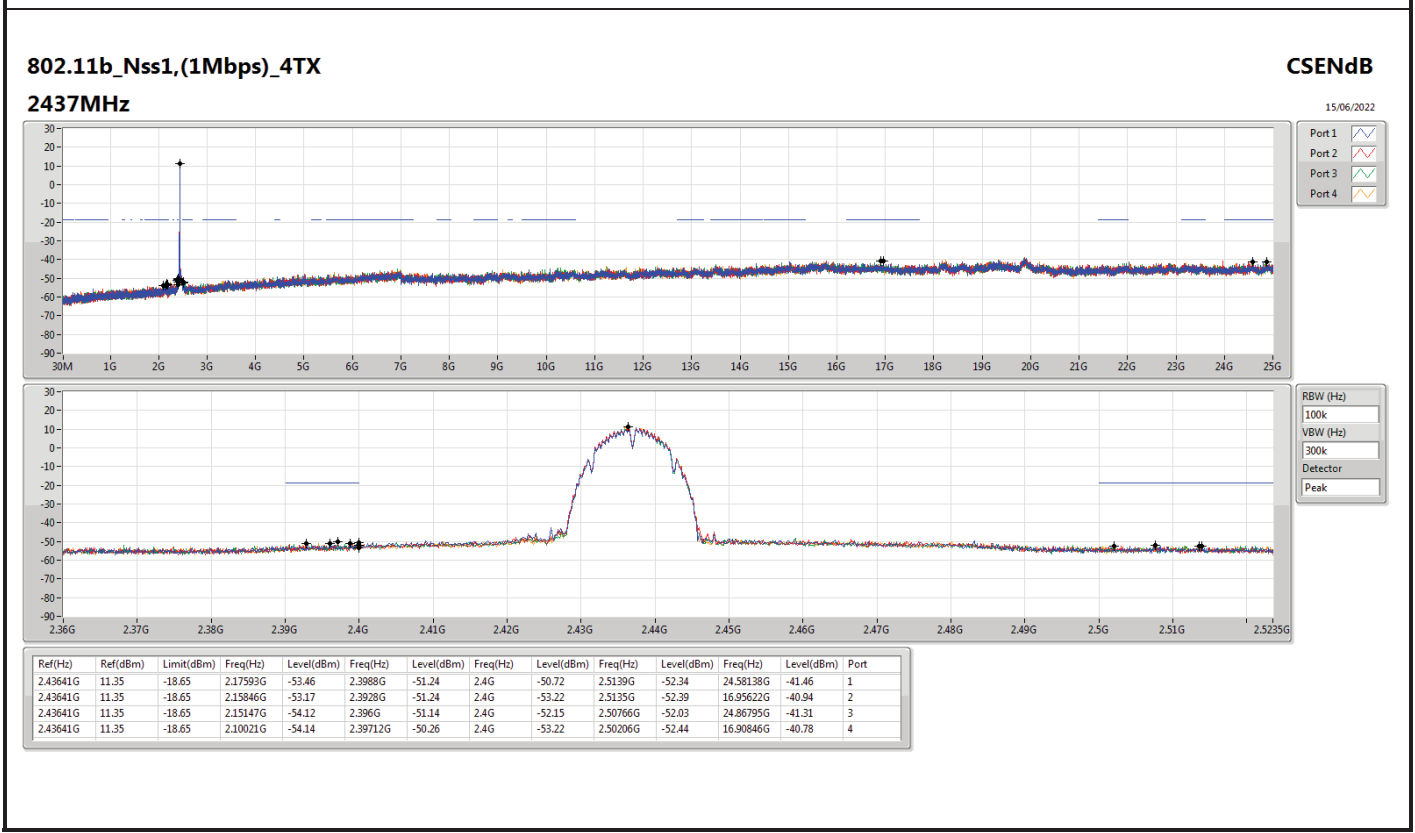
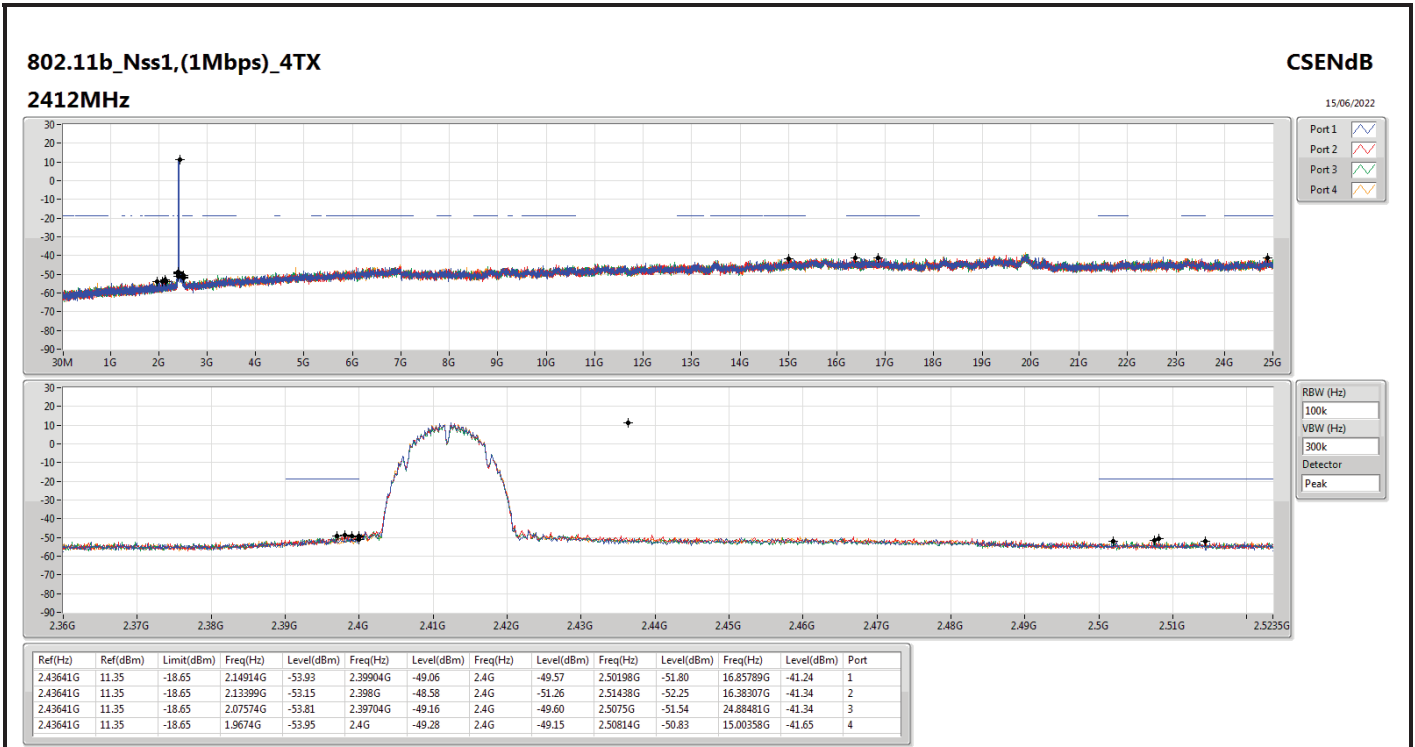
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43641G	11.35	-18.65	2.14914G	-53.93	2.39904G	-49.06	2.4G	-49.57	2.50198G	-51.80	16.85789G	-41.24	1
2412MHz	Pass	2.43641G	11.35	-18.65	2.13399G	-53.15	2.398G	-48.58	2.4G	-51.26	2.51438G	-52.25	16.38307G	-41.34	2
2412MHz	Pass	2.43641G	11.35	-18.65	2.07574G	-53.81	2.39704G	-49.16	2.4G	-49.60	2.5075G	-51.54	24.88481G	-41.34	3
2412MHz	Pass	2.43641G	11.35	-18.65	1.9674G	-53.95	2.4G	-49.28	2.4G	-49.15	2.50814G	-50.83	15.00358G	-41.65	4
2437MHz	Pass	2.43641G	11.35	-18.65	2.17593G	-53.46	2.3988G	-51.24	2.4G	-50.72	2.5139G	-52.34	24.58138G	-41.46	1
2437MHz	Pass	2.43641G	11.35	-18.65	2.15846G	-53.17	2.3928G	-51.24	2.4G	-53.22	2.5135G	-52.39	16.95622G	-40.94	2
2437MHz	Pass	2.43641G	11.35	-18.65	2.15147G	-54.12	2.396G	-51.14	2.4G	-52.15	2.50766G	-52.03	24.86795G	-41.31	3
2437MHz	Pass	2.43641G	11.35	-18.65	2.10021G	-54.14	2.39712G	-50.26	2.4G	-53.22	2.50206G	-52.44	16.90846G	-40.78	4
2462MHz	Pass	2.43641G	11.35	-18.65	2.14797G	-54.42	2.39176G	-52.20	2.4G	-53.84	2.5075G	-52.53	23.2075G	-41.33	1
2462MHz	Pass	2.43641G	11.35	-18.65	2.19457G	-54.17	2.39776G	-50.79	2.4G	-55.18	2.52102G	-52.34	23.53903G	-40.68	2
2462MHz	Pass	2.43641G	11.35	-18.65	2.09555G	-54.33	2.39184G	-51.77	2.4G	-54.18	2.50094G	-52.13	23.26369G	-41.32	3
2462MHz	Pass	2.43641G	11.35	-18.65	2.06642G	-54.17	2.39416G	-52.01	2.4G	-54.67	2.50134G	-52.45	15.05134G	-41.27	4
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	7.46	-22.54	2.1072G	-54.06	2.4G	-40.72	2.4G	-40.18	2.5139G	-52.32	16.84384G	-41.46	1
2412MHz	Pass	2.43574G	7.46	-22.54	2.127G	-53.50	2.39984G	-35.74	2.4G	-34.83	2.50966G	-52.78	23.28336G	-41.76	2
2412MHz	Pass	2.43574G	7.46	-22.54	2.30175G	-53.69	2.4G	-41.82	2.4G	-39.30	2.51166G	-51.86	23.20188G	-41.90	3
2412MHz	Pass	2.43574G	7.46	-22.54	2.15962G	-53.75	2.39888G	-37.26	2.4G	-35.53	2.5091G	-50.77	16.93937G	-41.33	4
2437MHz	Pass	2.43574G	7.46	-22.54	2.00468G	-53.62	2.3996G	-48.33	2.4G	-49.48	2.52246G	-52.25	17.63052G	-41.53	1
2437MHz	Pass	2.43574G	7.46	-22.54	2.09322G	-53.27	2.39552G	-50.68	2.4G	-52.11	2.50766G	-52.71	16.88879G	-41.12	2
2437MHz	Pass	2.43574G	7.46	-22.54	1.97439G	-54.58	2.39792G	-49.98	2.4G	-52.25	2.5139G	-52.39	23.24964G	-41.15	3
2437MHz	Pass	2.43574G	7.46	-22.54	2.09788G	-54.43	2.3924G	-50.76	2.4G	-51.98	2.51854G	-52.84	16.87194G	-41.00	4
2462MHz	Pass	2.43574G	7.46	-22.54	2.11535G	-53.92	2.39888G	-51.86	2.4G	-54.00	2.50358G	-51.52	16.82698G	-40.87	1
2462MHz	Pass	2.43574G	7.46	-22.54	2.14681G	-53.90	2.39184G	-52.16	2.4G	-54.05	2.50182G	-52.18	23.31707G	-41.27	2
2462MHz	Pass	2.43574G	7.46	-22.54	2.30525G	-53.79	2.39816G	-51.89	2.4G	-54.57	2.51214G	-51.17	16.70617G	-41.29	3
2462MHz	Pass	2.43574G	7.46	-22.54	2.17011G	-54.03	2.3992G	-52.75	2.4G	-53.95	2.51654G	-52.28	15.02043G	-41.30	4
802.11n HT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43073G	7.01	-22.99	2.14797G	-54.32	2.4G	-42.11	2.4G	-38.61	2.51838G	-50.64	16.38026G	-41.34	1
2412MHz	Pass	2.43073G	7.01	-22.99	2.12584G	-54.49	2.4G	-41.70	2.4G	-39.83	2.51734G	-51.75	23.42103G	-41.03	2
2412MHz	Pass	2.43073G	7.01	-22.99	1.91847G	-53.98	2.4G	-41.12	2.4G	-41.40	2.50134G	-52.33	15.00077G	-40.97	3
2412MHz	Pass	2.43073G	7.01	-22.99	2.13399G	-53.23	2.39992G	-41.95	2.4G	-40.26	2.52078G	-51.98	23.17659G	-41.54	4
2437MHz	Pass	2.43073G	7.01	-22.99	2.14564G	-53.83	2.39888G	-49.34	2.4G	-51.00	2.5199G	-52.37	23.22436G	-41.18	1
2437MHz	Pass	2.43073G	7.01	-22.99	2.13283G	-54.21	2.39984G	-51.00	2.4G	-52.04	2.50198G	-51.87	23.25526G	-41.09	2
2437MHz	Pass	2.43073G	7.01	-22.99	2.30408G	-53.96	2.39912G	-50.22	2.4G	-50.29	2.5087G	-52.30	14.53719G	-41.69	3
2437MHz	Pass	2.43073G	7.01	-22.99	1.99652G	-53.61	2.39624G	-50.63	2.4G	-52.21	2.50454G	-52.47	16.72022G	-41.35	4
2462MHz	Pass	2.43073G	7.01	-22.99	2.04312G	-53.71	2.39912G	-52.82	2.4G	-53.89	2.50174G	-52.34	16.39712G	-41.27	1
2462MHz	Pass	2.43073G	7.01	-22.99	1.90915G	-54.00	2.39232G	-53.12	2.4G	-54.45	2.52142G	-52.63	16.98713G	-41.23	2
2462MHz	Pass	2.43073G	7.01	-22.99	2.18758G	-54.57	2.39264G	-51.27	2.4G	-54.31	2.5015G	-51.96	23.2359G	-41.15	3
2462MHz	Pass	2.43073G	7.01	-22.99	2.16195G	-53.65	2.392G	-52.89	2.4G	-53.12	2.50798G	-52.69	16.85508G	-41.36	4
802.11n HT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	2.88	-27.12	1.97192G	-53.53	2.39952G	-47.62	2.4G	-46.55	2.52334G	-52.22	16.5807G	-41.80	1
2422MHz	Pass	2.4319G	2.88	-27.12	2.10131G	-54.07	2.39984G	-45.27	2.4G	-46.98	2.52846G	-52.19	16.53022G	-41.40	2
2422MHz	Pass	2.4319G	2.88	-27.12	2.13795G	-53.09	2.4G	-47.59	2.4G	-46.96	2.52366G	-51.69	23.48834G	-41.53	3
2422MHz	Pass	2.4319G	2.88	-27.12	2.1826G	-54.45	2.39984G	-45.96	2.4G	-46.16	2.51662G	-52.52	16.66484G	-41.17	4
2437MHz	Pass	2.4319G	2.88	-27.12	1.86429G	-53.97	2.39648G	-45.57	2.4G	-44.94	2.52958G	-51.90	15.03819G	-40.49	1
2437MHz	Pass	2.4319G	2.88	-27.12	2.13451G	-54.13	2.4G	-48.53	2.4G	-47.39	2.50654G	-52.62	16.29183G	-41.84	2
2437MHz	Pass	2.4319G	2.88	-27.12	2.00513G	-53.93	2.4G	-49.56	2.4G	-48.90	2.5315G	-52.14	17.42207G	-41.36	3
2437MHz	Pass	2.4319G	2.88	-27.12	2.30626G	-54.34	2.39984G	-46.31	2.4G	-45.47	2.50526G	-52.59	16.89481G	-41.69	4
2452MHz	Pass	2.4319G	2.88	-27.12	2.12421G	-54.03	2.39056G	-52.15	2.4G	-50.74	2.50094G	-52.15	15.06904G	-41.05	1
2452MHz	Pass	2.4319G	2.88	-27.12	2.11963G	-54.00	2.39744G	-52.14	2.4G	-53.62	2.5515G	-52.42	17.20051G	-40.57	2
2452MHz	Pass	2.4319G	2.88	-27.12	2.30397G	-53.53	2.39984G	-51.31	2.4G	-54.03	2.50478G	-51.70	15.00734G	-41.12	3
2452MHz	Pass	2.4319G	2.88	-27.12	2.09902G	-54.72	2.39856G	-52.82	2.4G	-53.65	2.52702G	-52.11	24.88782G	-41.35	4
VHT20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	7.02	-22.98	2.17011G	-54.37	2.4G	-41.63	2.4G	-39.99	2.50078G	-52.09	16.7146G	-40.61	1
2412MHz	Pass	2.4319G	7.02	-22.98	2.12118G	-54.60	2.4G	-42.30	2.4G	-39.49	2.5051G	-52.04	23.5025G	-41.85	2
2412MHz	Pass	2.4319G	7.02	-22.98	2.18059G	-53.98	2.4G	-42.08	2.4G	-41.10	2.51086G	-52.07	24.93819G	-41.31	3
2412MHz	Pass	2.4319G	7.02	-22.98	2.10953G	-54.58	2.4G	-41.21	2.4G	-39.27	2.50766G	-52.57	24.94381G	-41.79	4
2437MHz	Pass	2.4319G	7.02	-22.98	1.98837G	-53.33	2.39552G	-49.64	2.4G	-52.00	2.5019G	-52.35	24.87357G	-41.94	1
2437MHz	Pass	2.4319G	7.02	-22.98	1.75537G	-54.42	2.39984G	-51.09	2.4G	-52.46	2.51238G	-52.15	23.21593G	-40.54	2
2437MHz	Pass	2.4319G	7.02	-22.98	2.0105G	-53.36	2.39912G	-50.47	2.4G	-52.31	2.51542G	-52.43	14.82096G	-41.85	3
2437MHz	Pass	2.4319G	7.02	-22.98	2.014G	-54.43	2.39512G	-50.46	2.4G	-51.75	2.50302G	-52.25	16.71741G	-41.31	4



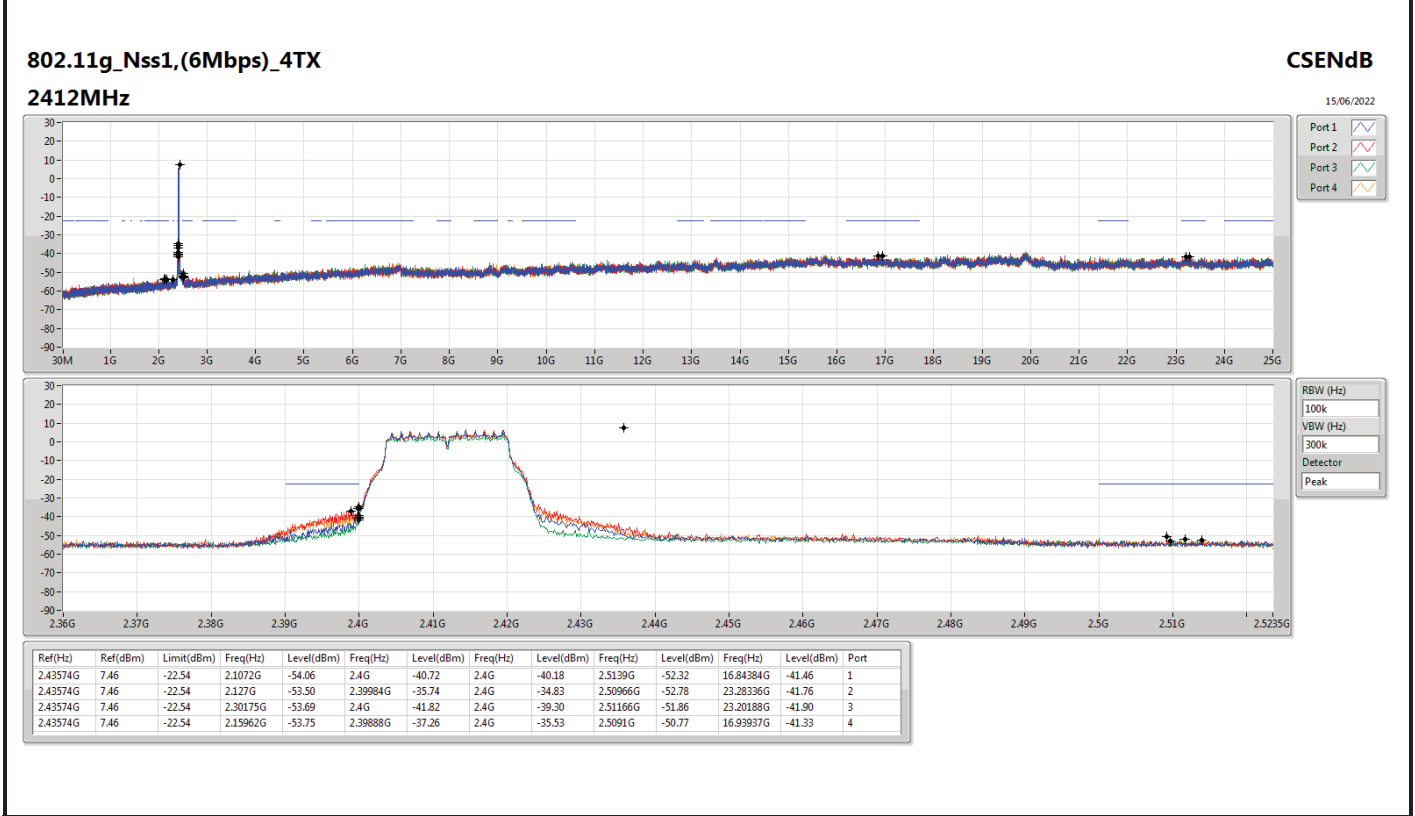
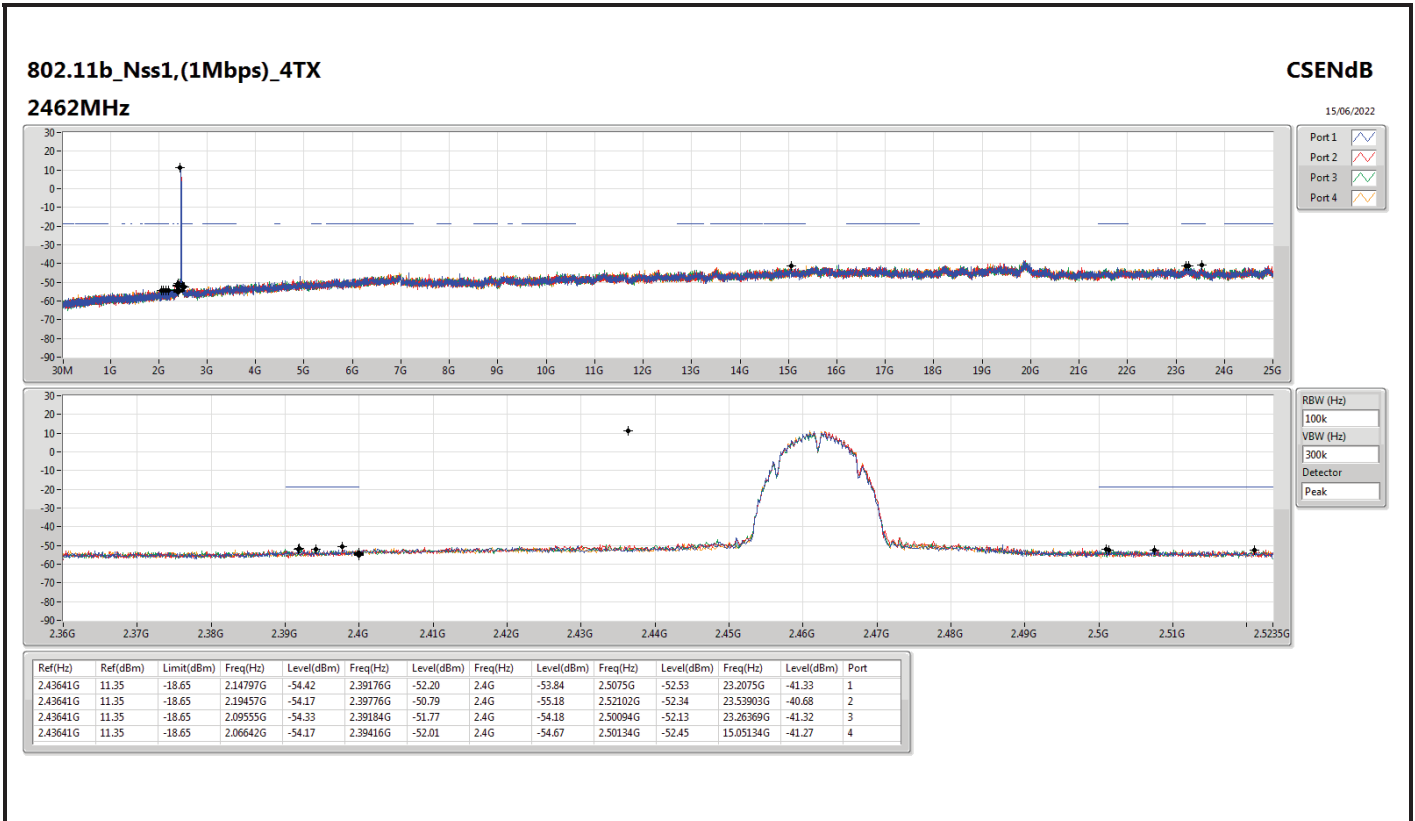
CSE (Non-restricted Band) \_Non-Beamforming\_Radio 1

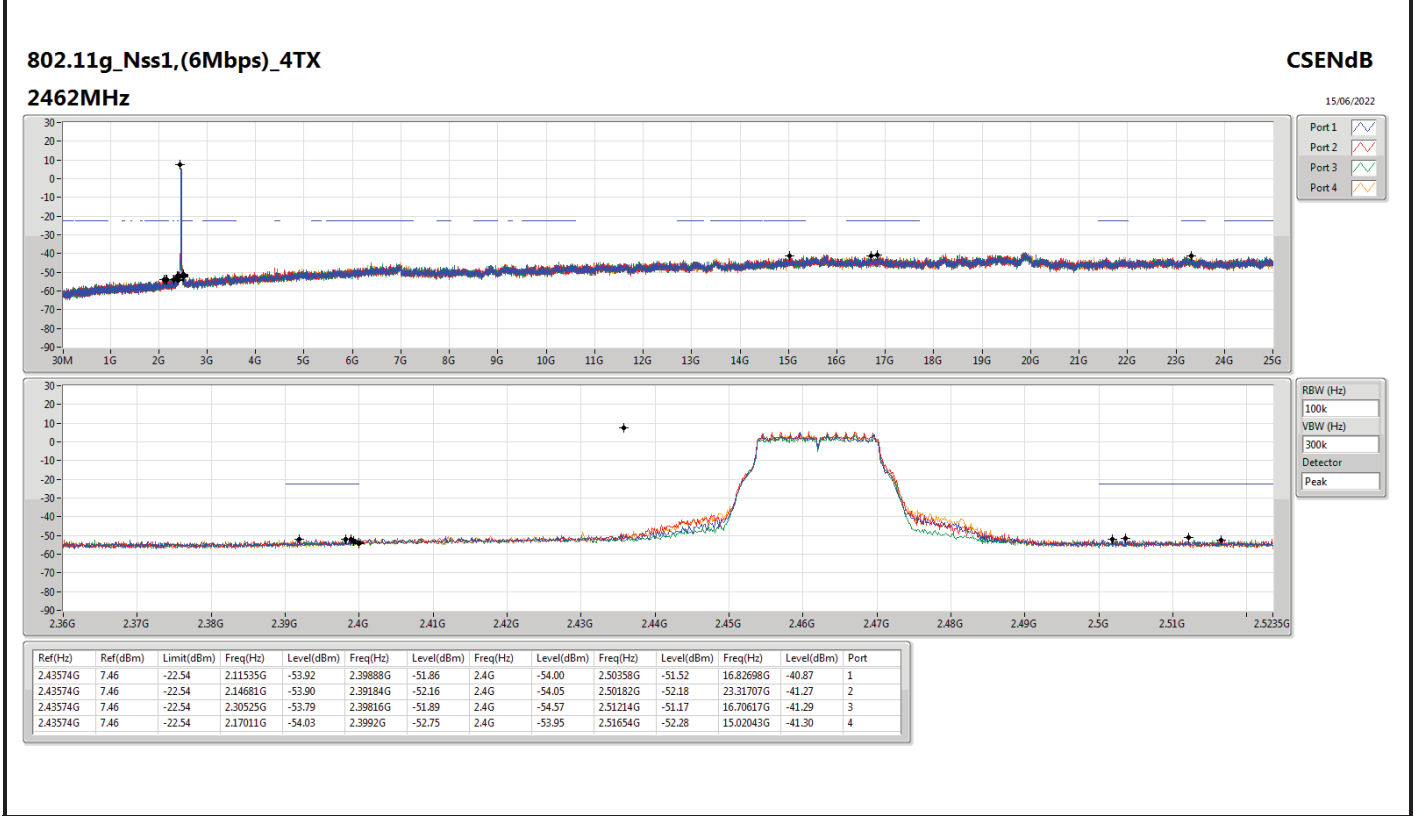
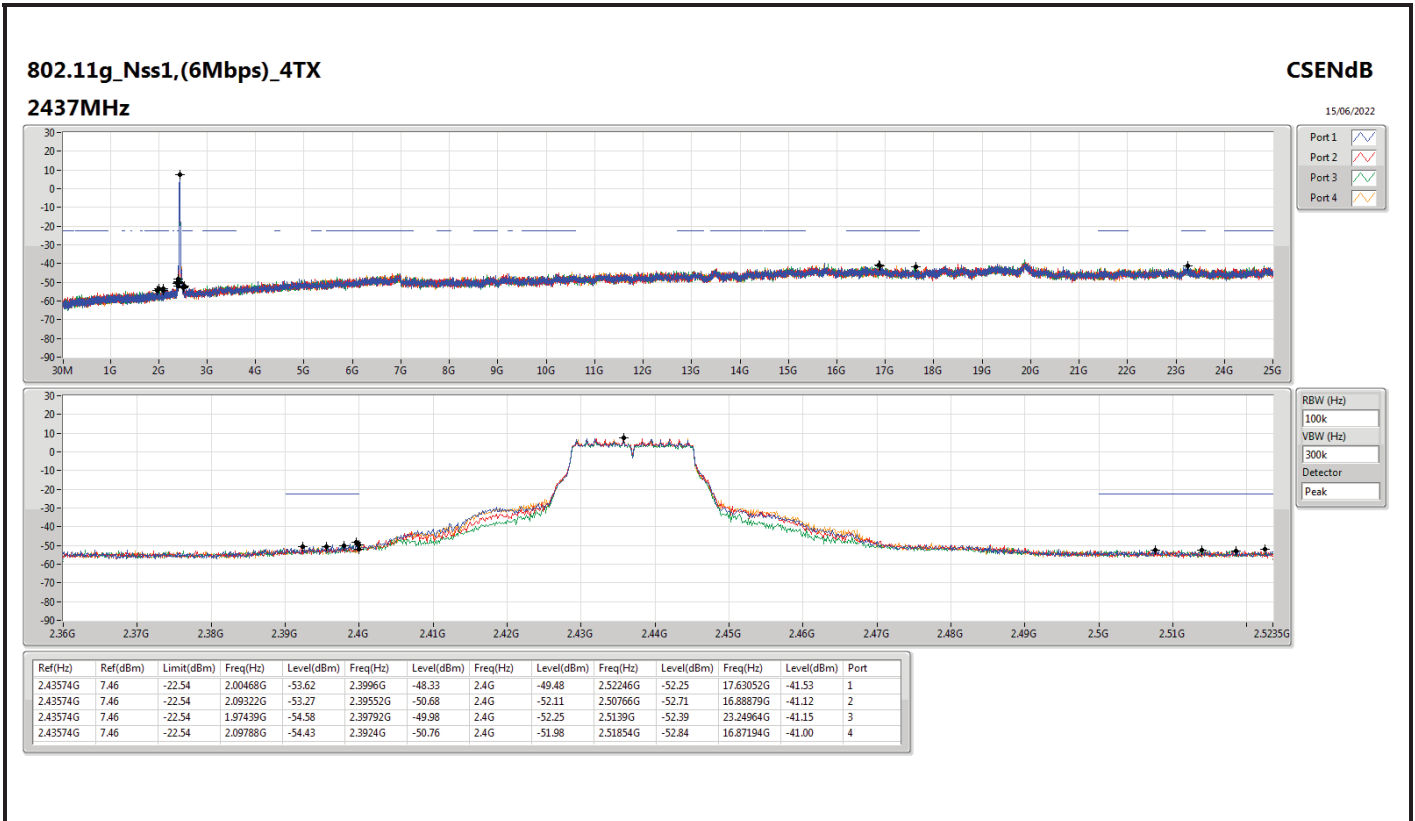
Appendix E.1

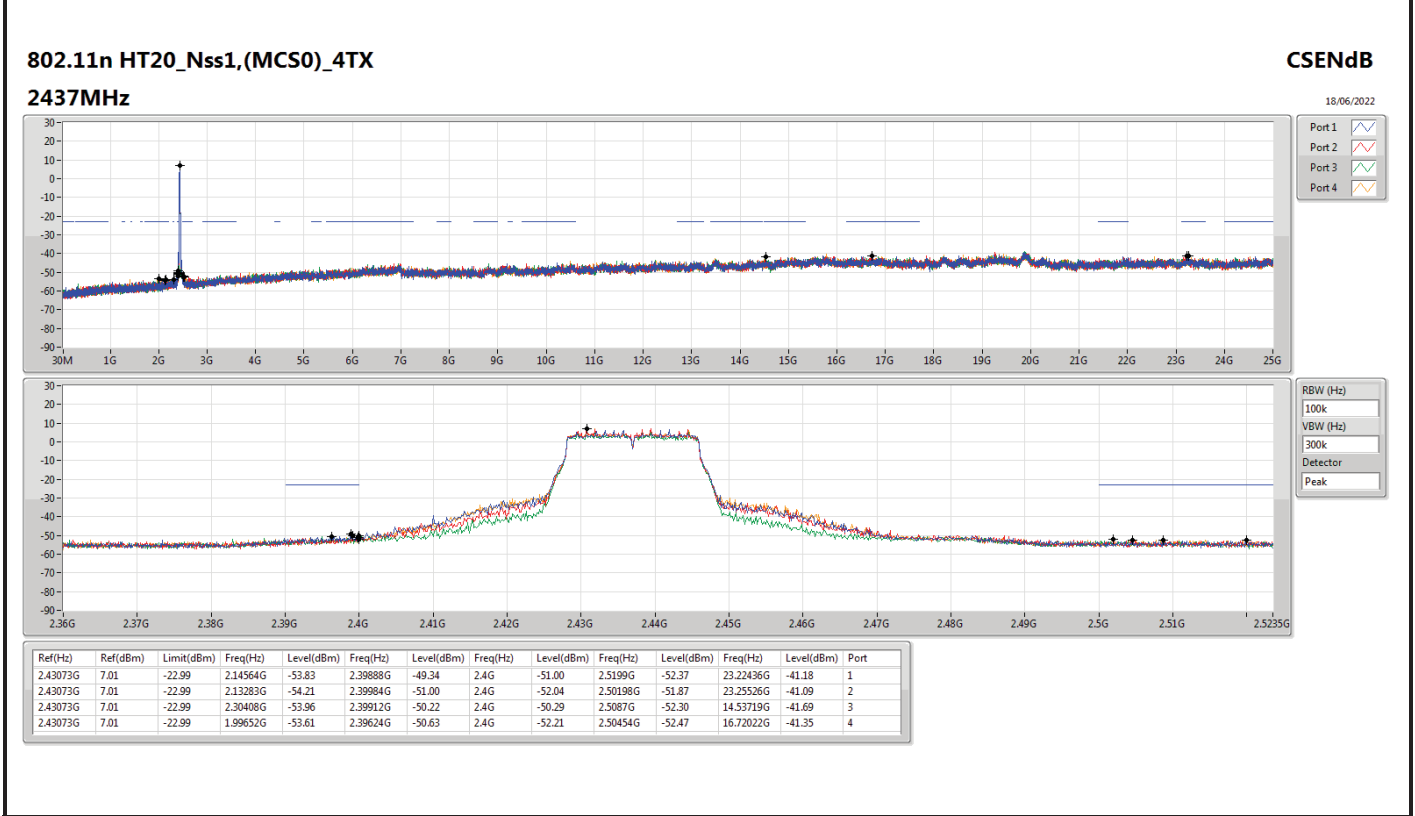
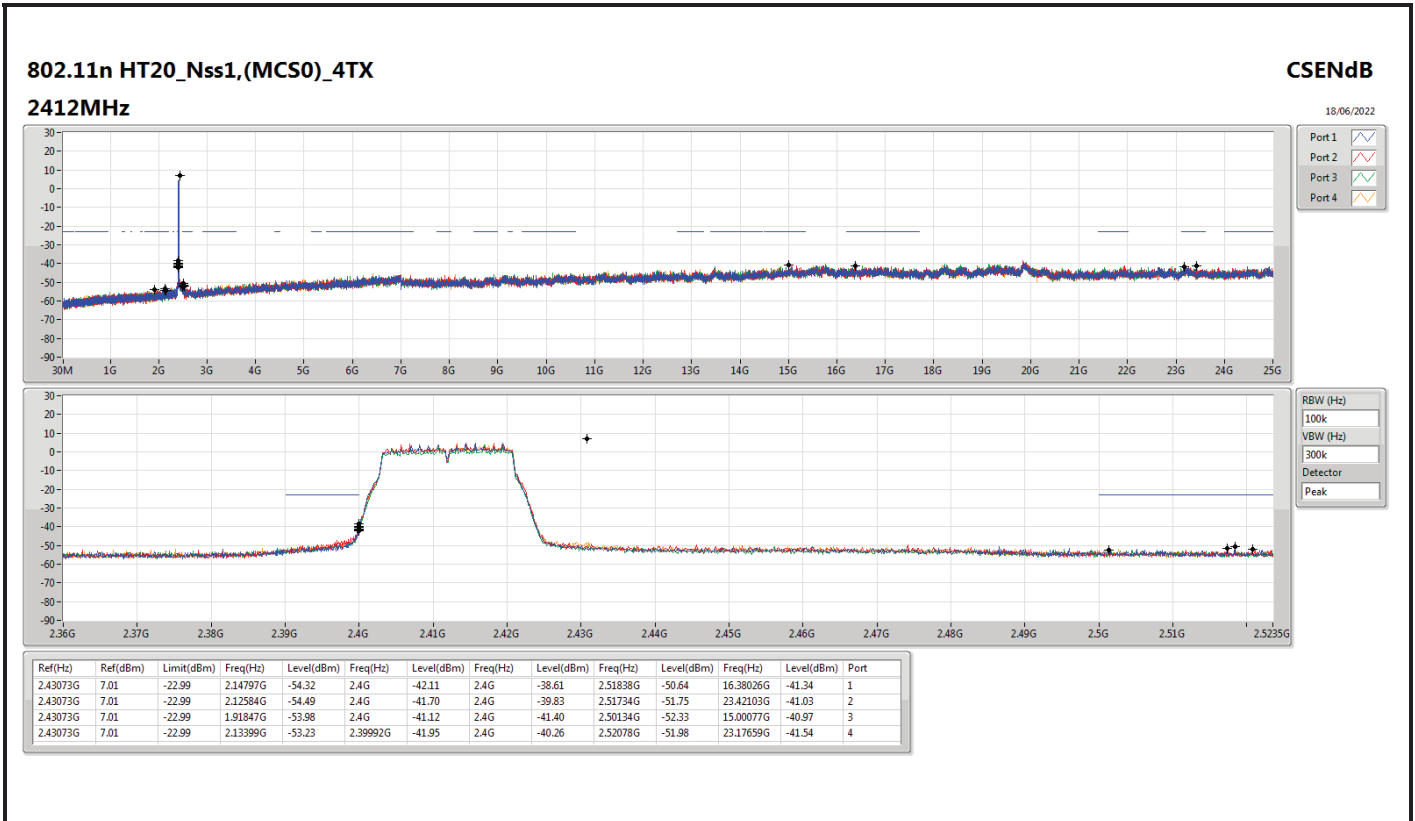
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2462MHz	Pass	2.4319G	7.02	-22.98	1.98254G	-53.86	2.39648G	-52.04	2.4G	-54.70	2.52166G	-51.80	16.71179G	-41.07	1
2462MHz	Pass	2.4319G	7.02	-22.98	2.30525G	-53.69	2.39192G	-52.41	2.4G	-54.58	2.50502G	-52.48	23.59241G	-40.89	2
2462MHz	Pass	2.4319G	7.02	-22.98	2.30525G	-54.24	2.39552G	-52.78	2.4G	-55.04	2.50694G	-52.20	23.22155G	-41.40	3
2462MHz	Pass	2.4319G	7.02	-22.98	2.16195G	-53.98	2.4G	-52.61	2.4G	-53.40	2.5227G	-52.20	23.31988G	-41.00	4
VHT40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	2.83	-27.17	2.3097G	-53.02	2.4G	-42.71	2.4G	-43.81	2.51774G	-52.46	16.87799G	-41.28	1
2422MHz	Pass	2.4319G	2.83	-27.17	2.13222G	-54.38	2.4G	-43.28	2.4G	-44.54	2.55038G	-52.19	14.50252G	-41.38	2
2422MHz	Pass	2.4319G	2.83	-27.17	2.30397G	-54.17	2.4G	-47.05	2.4G	-47.30	2.50462G	-52.46	16.22172G	-41.66	3
2422MHz	Pass	2.4319G	2.83	-27.17	1.77956G	-54.53	2.39984G	-38.81	2.4G	-47.34	2.5235G	-52.11	23.26117G	-41.71	4
2437MHz	Pass	2.4319G	2.83	-27.17	1.86773G	-53.56	2.39488G	-39.80	2.4G	-43.86	2.51486G	-52.37	14.89236G	-41.59	1
2437MHz	Pass	2.4319G	2.83	-27.17	2.04749G	-53.87	2.39952G	-42.50	2.4G	-44.51	2.51566G	-52.30	14.75493G	-41.26	2
2437MHz	Pass	2.4319G	2.83	-27.17	2.15283G	-53.73	2.39952G	-45.58	2.4G	-46.86	2.51166G	-52.65	17.57352G	-41.70	3
2437MHz	Pass	2.4319G	2.83	-27.17	2.11161G	-53.46	2.39952G	-39.51	2.4G	-44.72	2.52686G	-52.73	16.9453G	-41.57	4
2452MHz	Pass	2.4319G	2.83	-27.17	2.01772G	-54.81	2.39776G	-50.94	2.4G	-52.95	2.50702G	-52.42	21.87852G	-41.60	1
2452MHz	Pass	2.4319G	2.83	-27.17	2.091G	-54.30	2.39568G	-52.18	2.4G	-53.06	2.52574G	-52.67	16.3928G	-40.64	2
2452MHz	Pass	2.4319G	2.83	-27.17	2.13222G	-53.13	2.39856G	-51.44	2.4G	-54.11	2.51486G	-52.49	21.85048G	-41.47	3
2452MHz	Pass	2.4319G	2.83	-27.17	2.30626G	-53.23	2.3904G	-52.39	2.4G	-54.09	2.50638G	-52.12	16.91164G	-41.23	4
802.11ax HEW20_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	7.12	-22.88	2.18525G	-52.70	2.39944G	-38.73	2.4G	-39.93	2.50846G	-52.60	16.97589G	-41.83	1
2412MHz	Pass	2.4319G	7.12	-22.88	2.10137G	-53.72	2.39984G	-40.68	2.4G	-39.21	2.5219G	-52.07	16.2145G	-41.87	2
2412MHz	Pass	2.4319G	7.12	-22.88	2.30874G	-53.03	2.4G	-43.52	2.4G	-42.28	2.50414G	-51.73	24.90447G	-40.58	3
2412MHz	Pass	2.4319G	7.12	-22.88	2.14098G	-53.46	2.39984G	-39.28	2.4G	-38.16	2.5091G	-52.58	24.93257G	-41.77	4
2437MHz	Pass	2.4319G	7.12	-22.88	1.89284G	-54.73	2.39912G	-50.66	2.4G	-50.73	2.5195G	-52.24	14.93053G	-41.03	1
2437MHz	Pass	2.4319G	7.12	-22.88	1.98837G	-53.39	2.39976G	-48.64	2.4G	-49.71	2.51366G	-52.15	24.55047G	-41.32	2
2437MHz	Pass	2.4319G	7.12	-22.88	2.13399G	-53.27	2.398G	-49.70	2.4G	-51.14	2.50174G	-52.04	17.49847G	-41.05	3
2437MHz	Pass	2.4319G	7.12	-22.88	2.30991G	-53.53	2.39816G	-50.33	2.4G	-49.99	2.51518G	-52.01	15.0092G	-40.90	4
2462MHz	Pass	2.4319G	7.12	-22.88	2.13865G	-53.67	2.3976G	-52.72	2.4G	-54.67	2.50774G	-52.14	16.8916G	-41.21	1
2462MHz	Pass	2.4319G	7.12	-22.88	2.12584G	-53.62	2.39712G	-52.45	2.4G	-54.54	2.5071G	-51.59	15.14686G	-42.10	2
2462MHz	Pass	2.4319G	7.12	-22.88	2.1503G	-54.17	2.39856G	-53.15	2.4G	-54.76	2.50334G	-51.94	24.89886G	-41.26	3
2462MHz	Pass	2.4319G	7.12	-22.88	2.13632G	-54.62	2.39456G	-51.77	2.4G	-52.57	2.51494G	-52.66	16.86632G	-41.42	4
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	2.87	-27.13	2.30283G	-53.62	2.4G	-47.09	2.4G	-47.65	2.53182G	-52.51	16.99858G	-41.46	1
2422MHz	Pass	2.4319G	2.87	-27.13	2.14596G	-54.44	2.39968G	-47.33	2.4G	-47.20	2.50254G	-52.60	24.91306G	-41.01	2
2422MHz	Pass	2.4319G	2.87	-27.13	2.11276G	-54.12	2.39856G	-48.64	2.4G	-47.01	2.51054G	-51.99	16.91445G	-41.30	3
2422MHz	Pass	2.4319G	2.87	-27.13	2.15398G	-54.16	2.4G	-43.09	2.4G	-43.43	2.56334G	-52.51	23.28922G	-40.73	4
2437MHz	Pass	2.4319G	2.87	-27.13	2.15856G	-53.56	2.39952G	-42.71	2.4G	-40.81	2.5051G	-51.84	24.90184G	-41.72	1
2437MHz	Pass	2.4319G	2.87	-27.13	2.09329G	-54.05	2.39984G	-46.49	2.4G	-45.58	2.52238G	-52.77	23.23593G	-41.42	2
2437MHz	Pass	2.4319G	2.87	-27.13	2.11161G	-54.45	2.39968G	-48.35	2.4G	-50.86	2.5267G	-52.64	17.22295G	-41.23	3
2437MHz	Pass	2.4319G	2.87	-27.13	2.18146G	-54.60	2.39984G	-42.62	2.4G	-40.65	2.56302G	-52.88	16.71532G	-41.59	4
2452MHz	Pass	2.4319G	2.87	-27.13	2.09444G	-54.02	2.4G	-52.30	2.4G	-52.59	2.50734G	-52.06	13.48166G	-41.69	1
2452MHz	Pass	2.4319G	2.87	-27.13	2.12764G	-53.54	2.39968G	-51.99	2.4G	-53.95	2.55374G	-52.55	16.89762G	-41.48	2
2452MHz	Pass	2.4319G	2.87	-27.13	2.11276G	-54.05	2.39648G	-51.71	2.4G	-54.25	2.50478G	-51.45	21.88133G	-41.00	3
2452MHz	Pass	2.4319G	2.87	-27.13	2.30397G	-55.11	2.39488G	-51.98	2.4G	-54.79	2.54958G	-51.53	23.32007G	-41.31	4

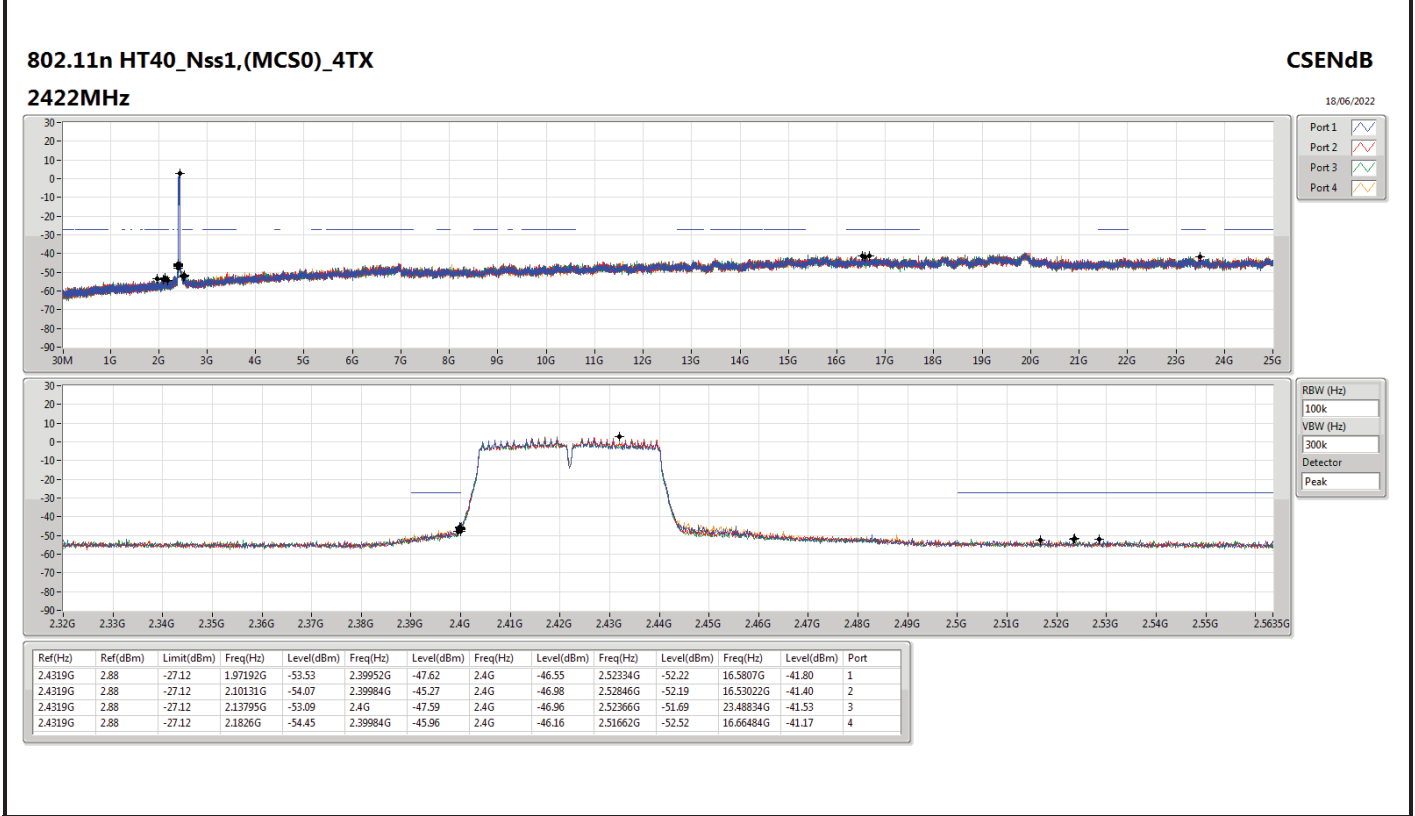
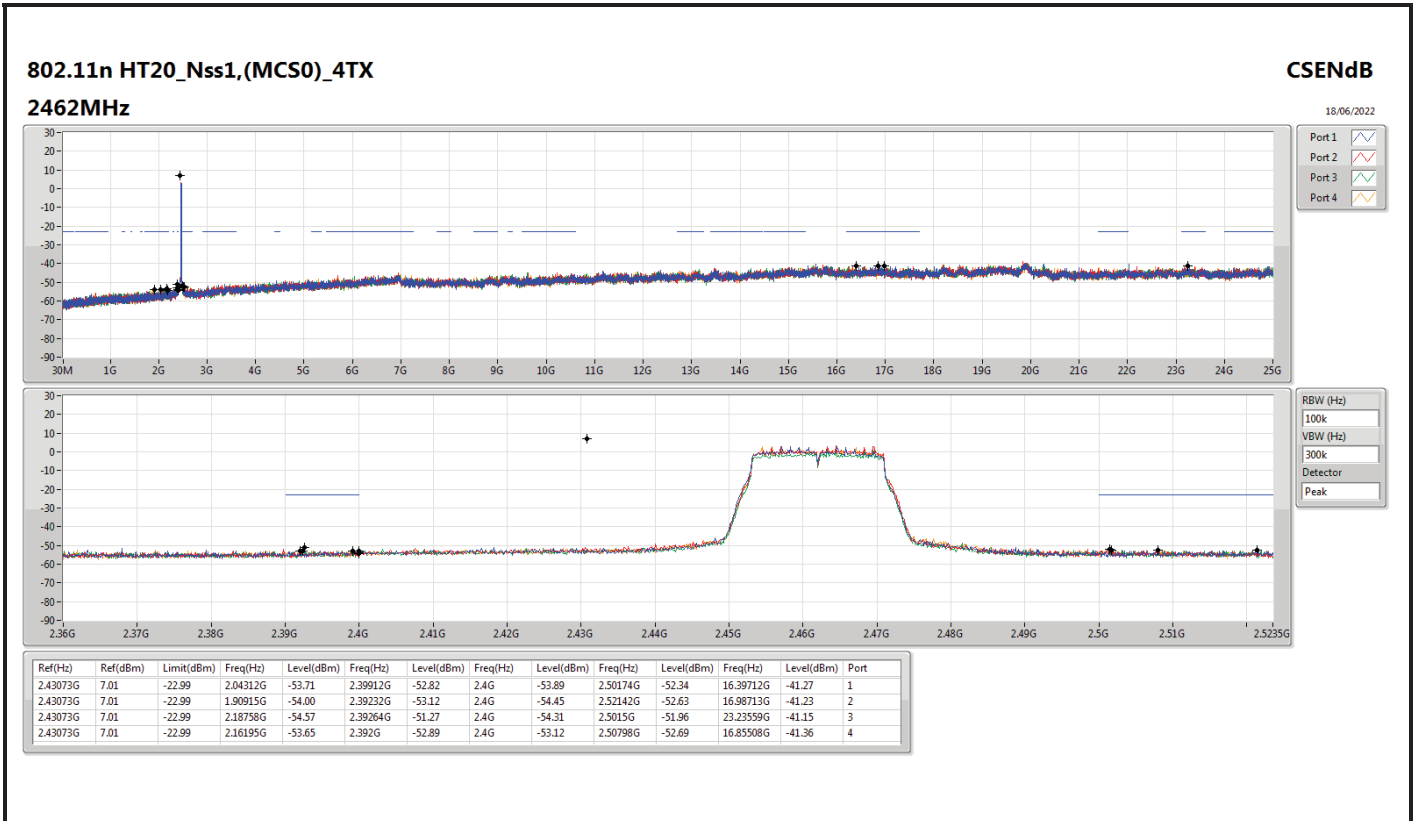


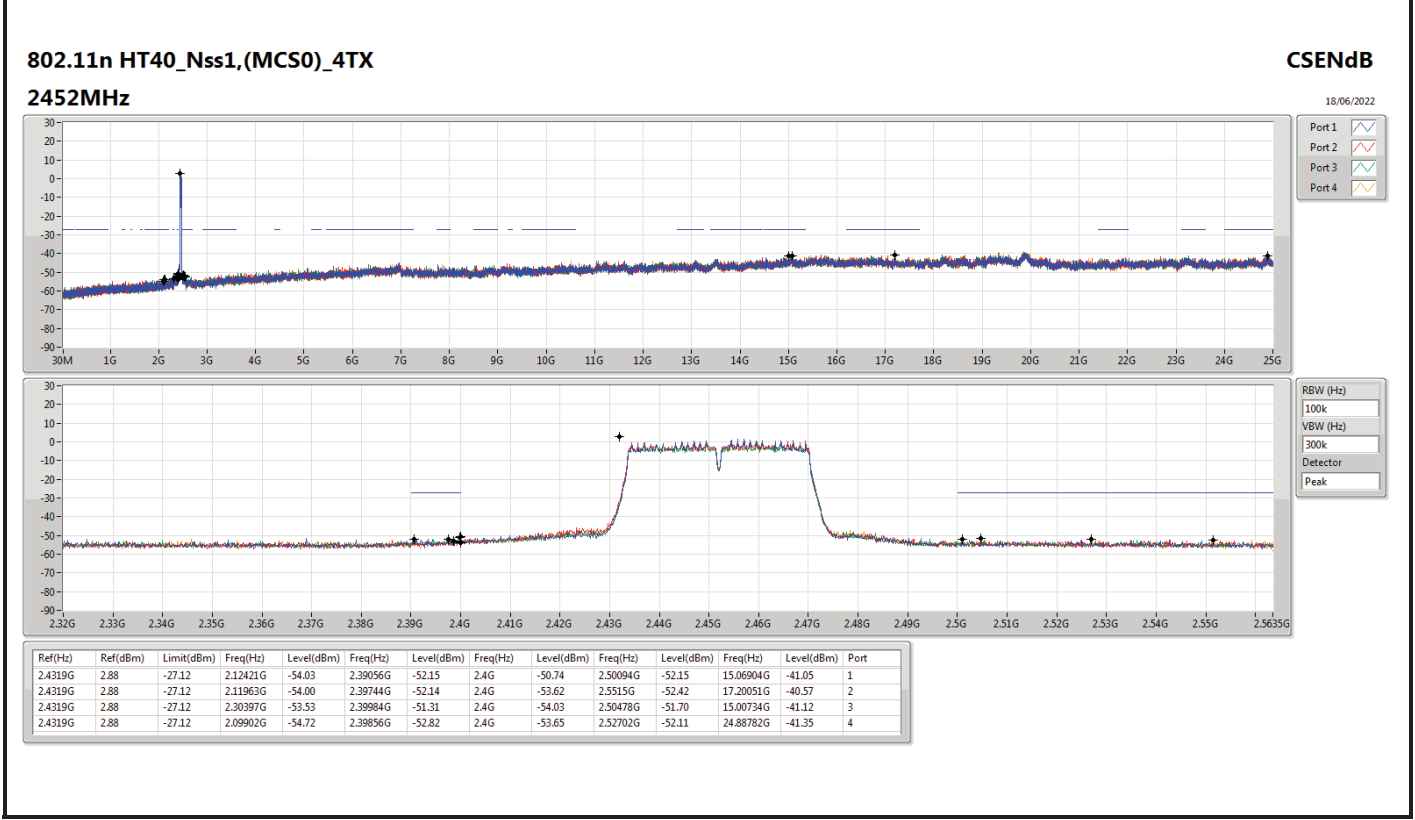
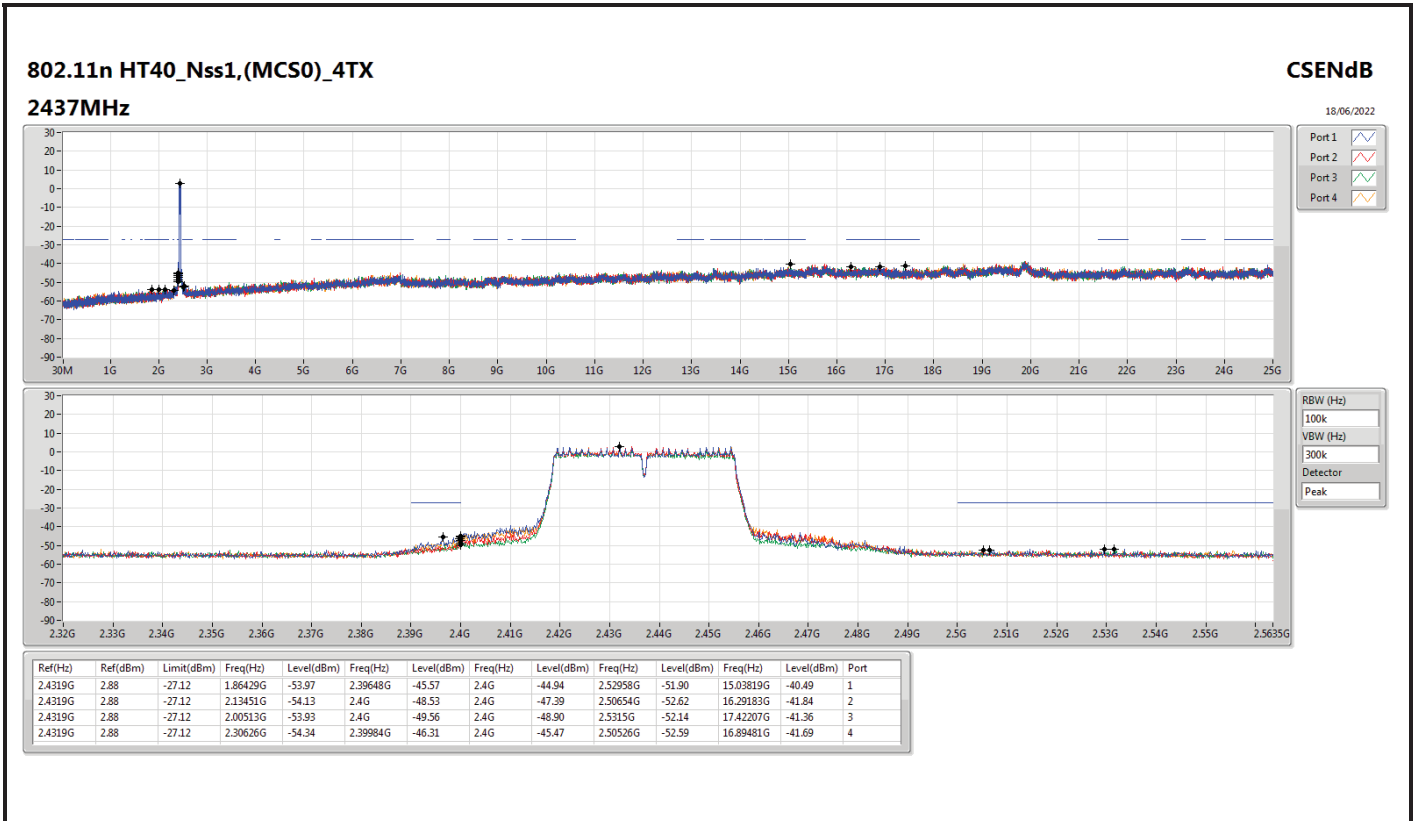


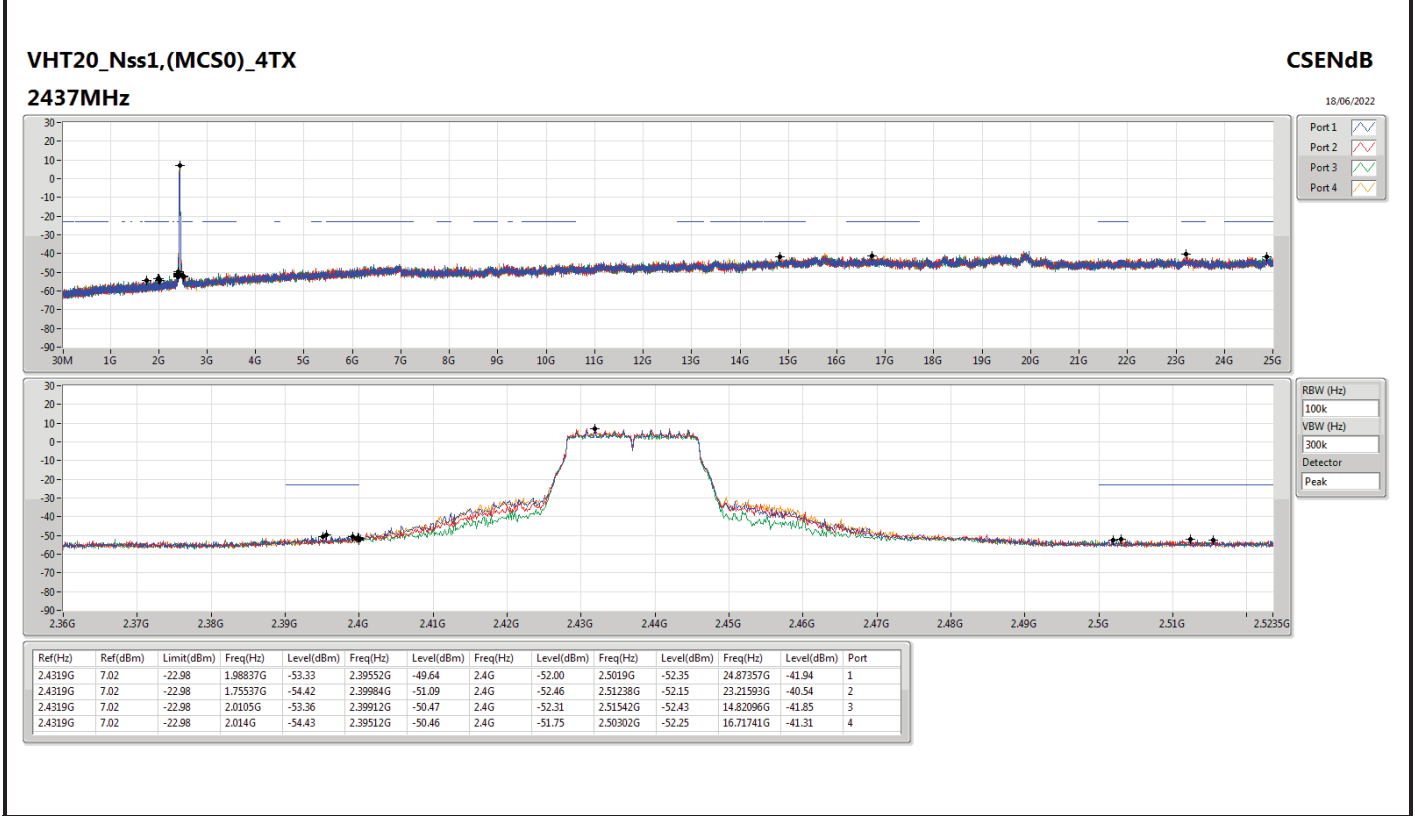
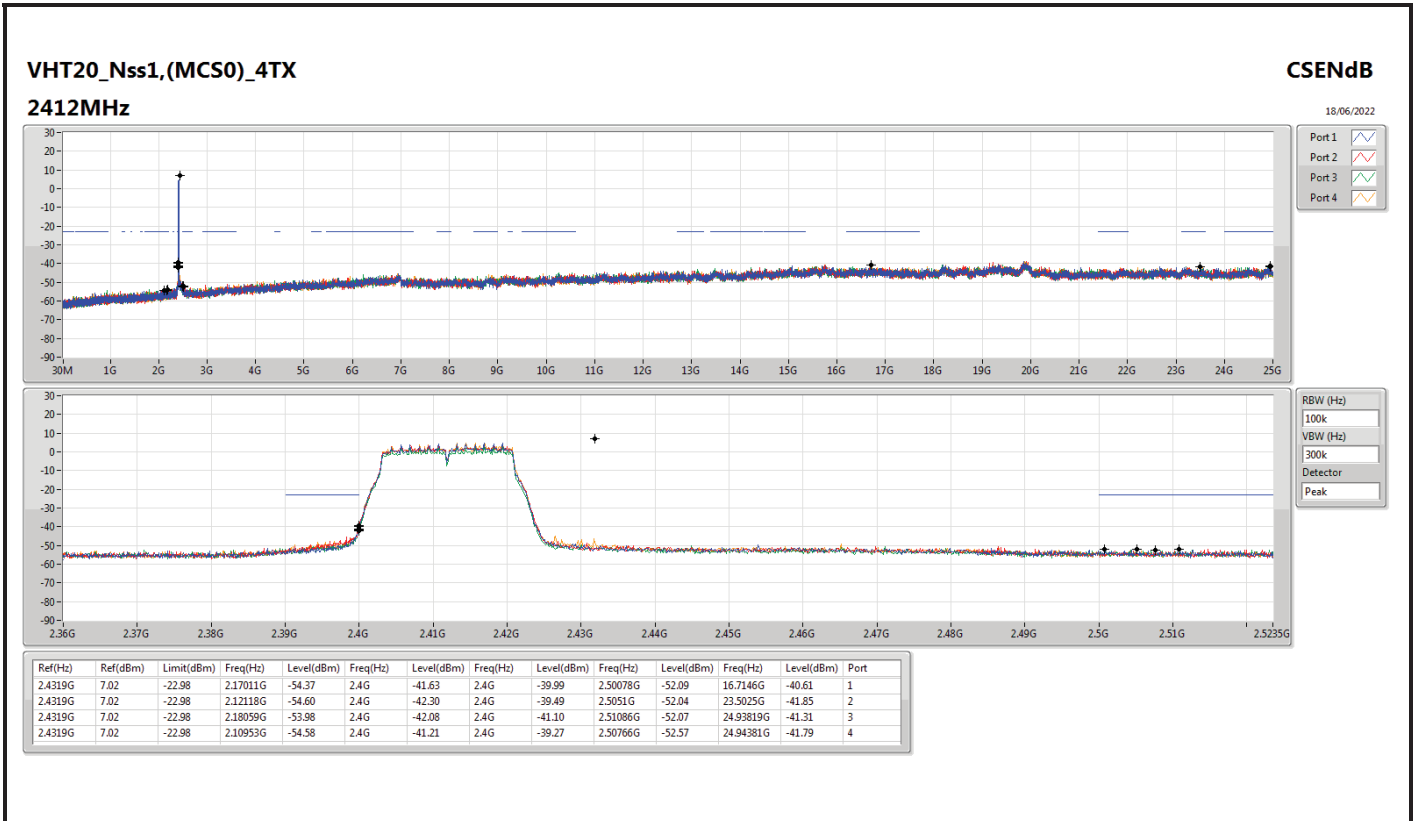


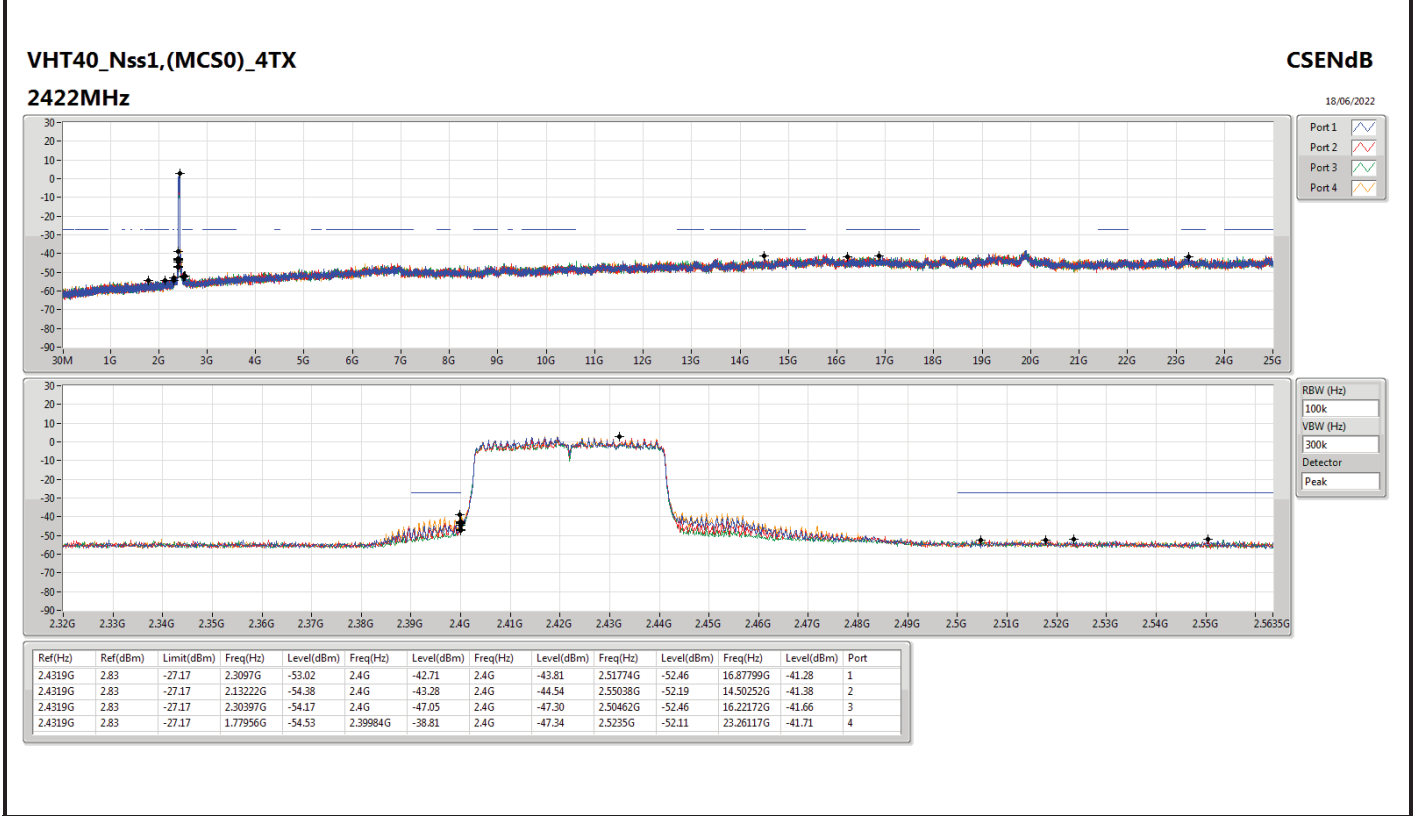
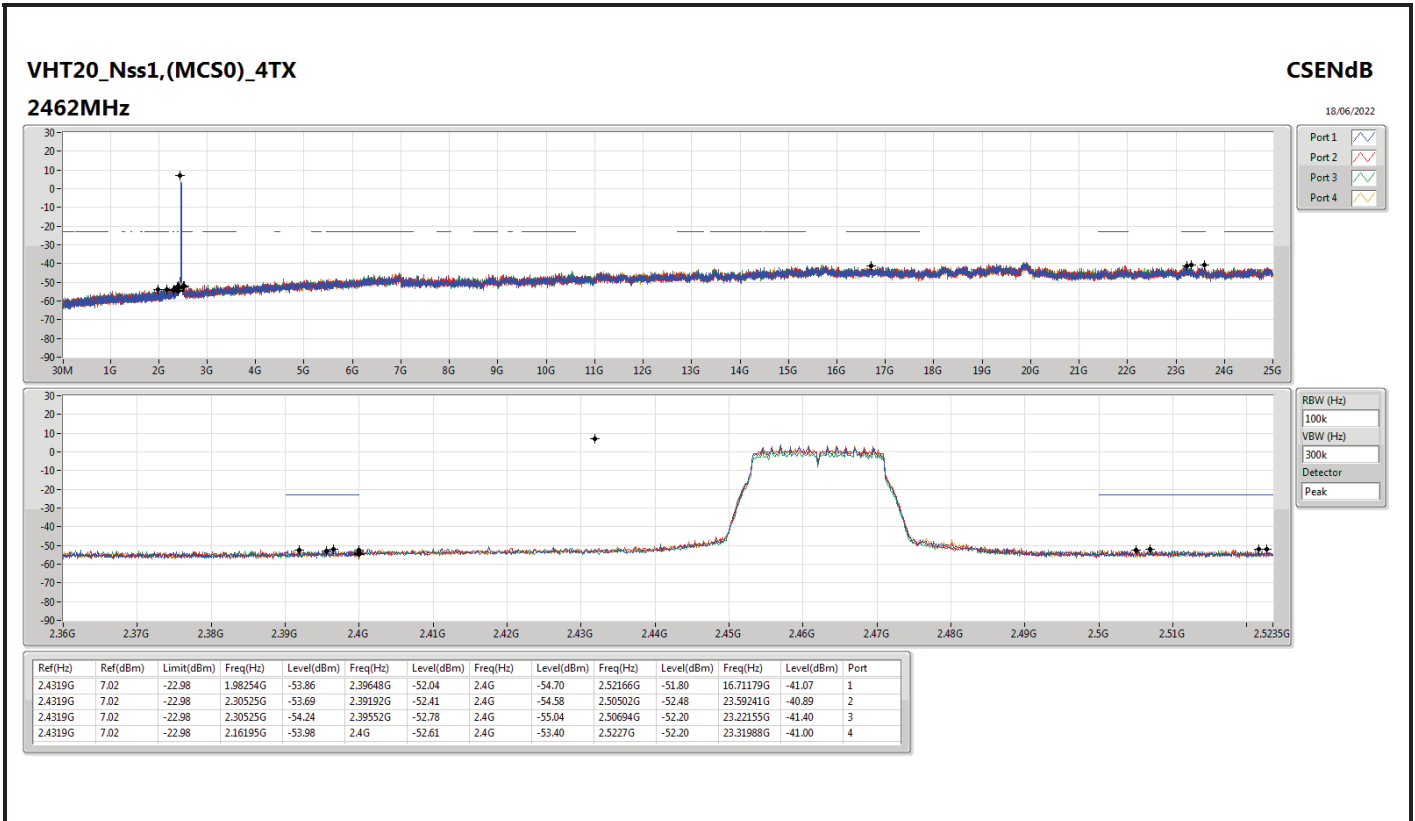


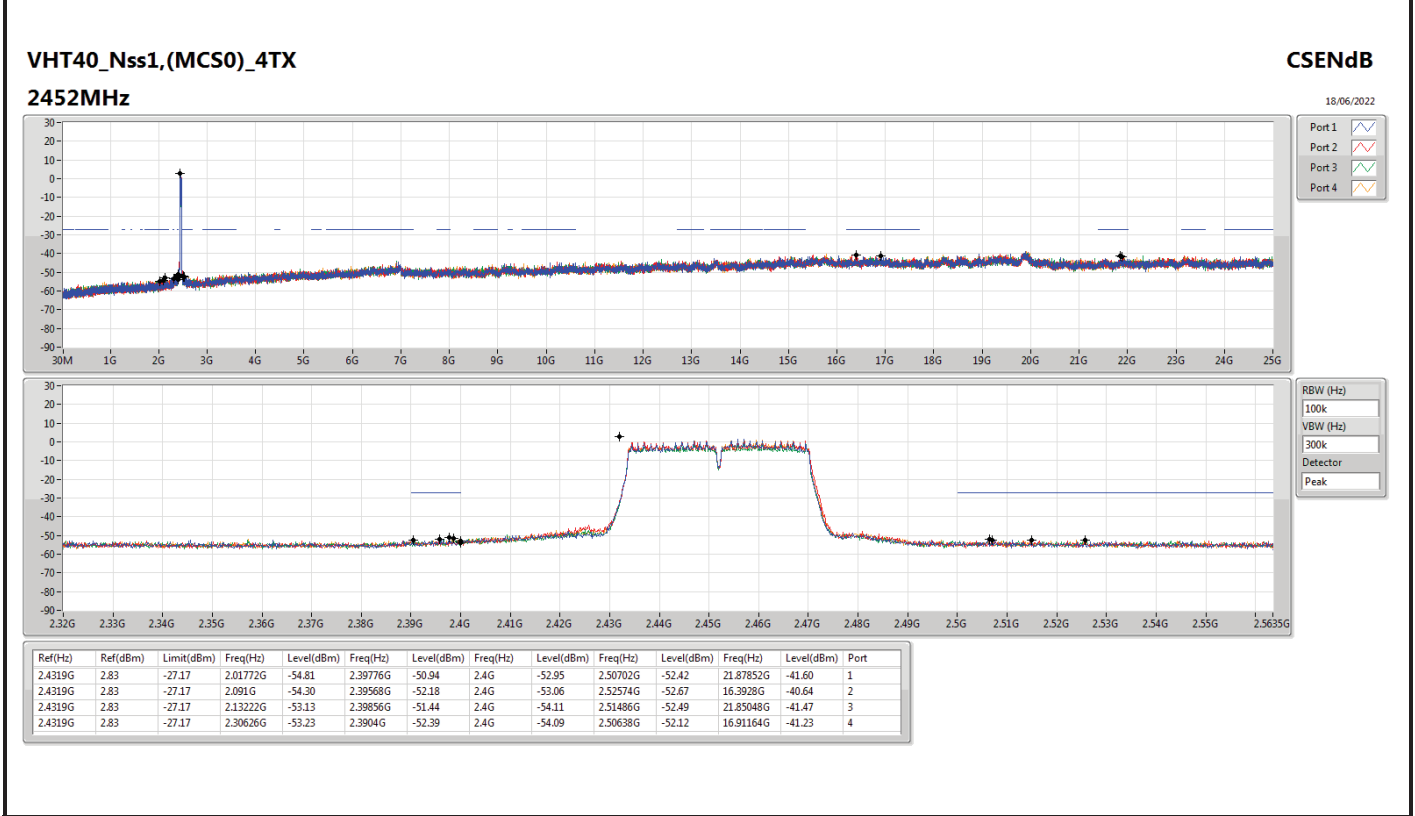
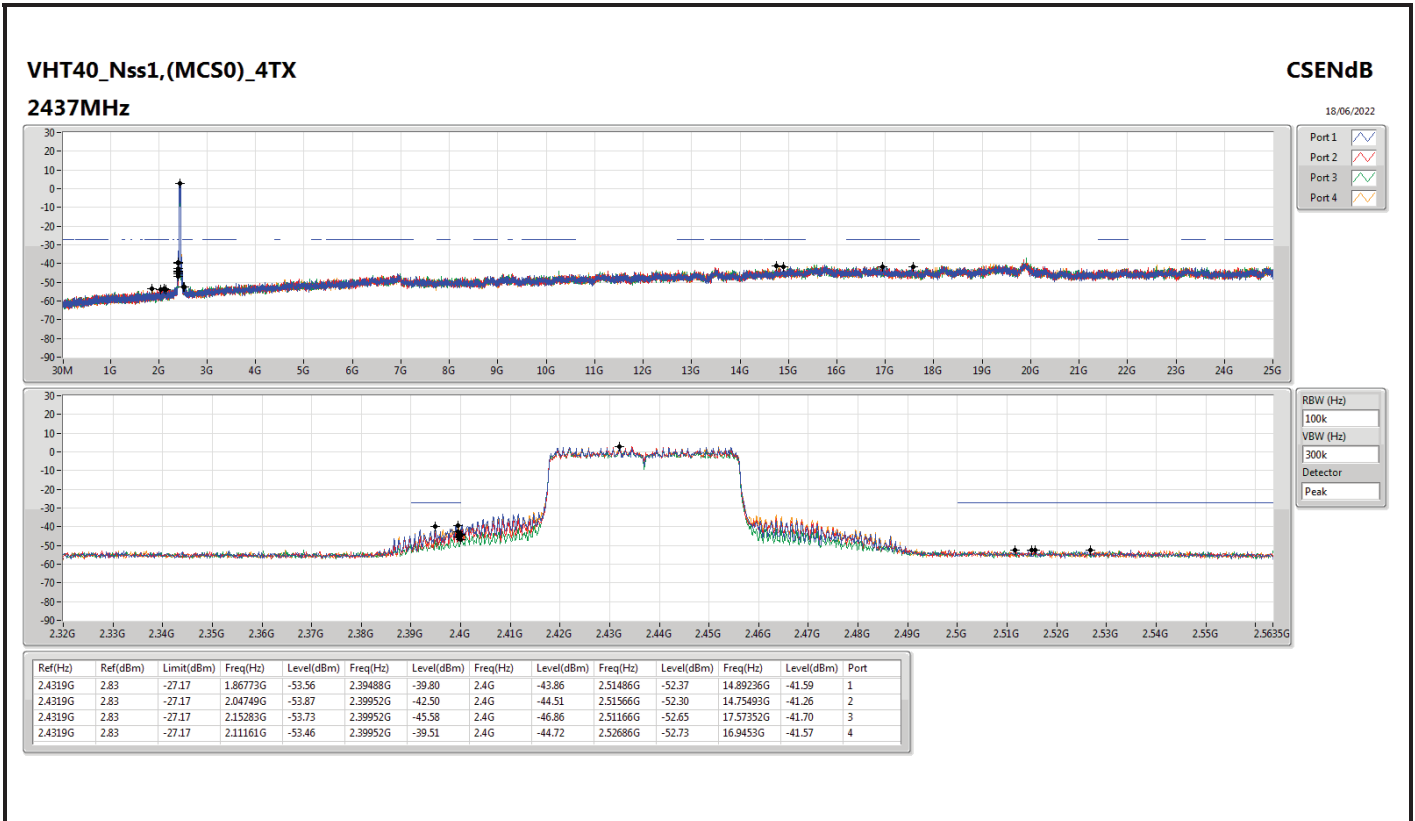




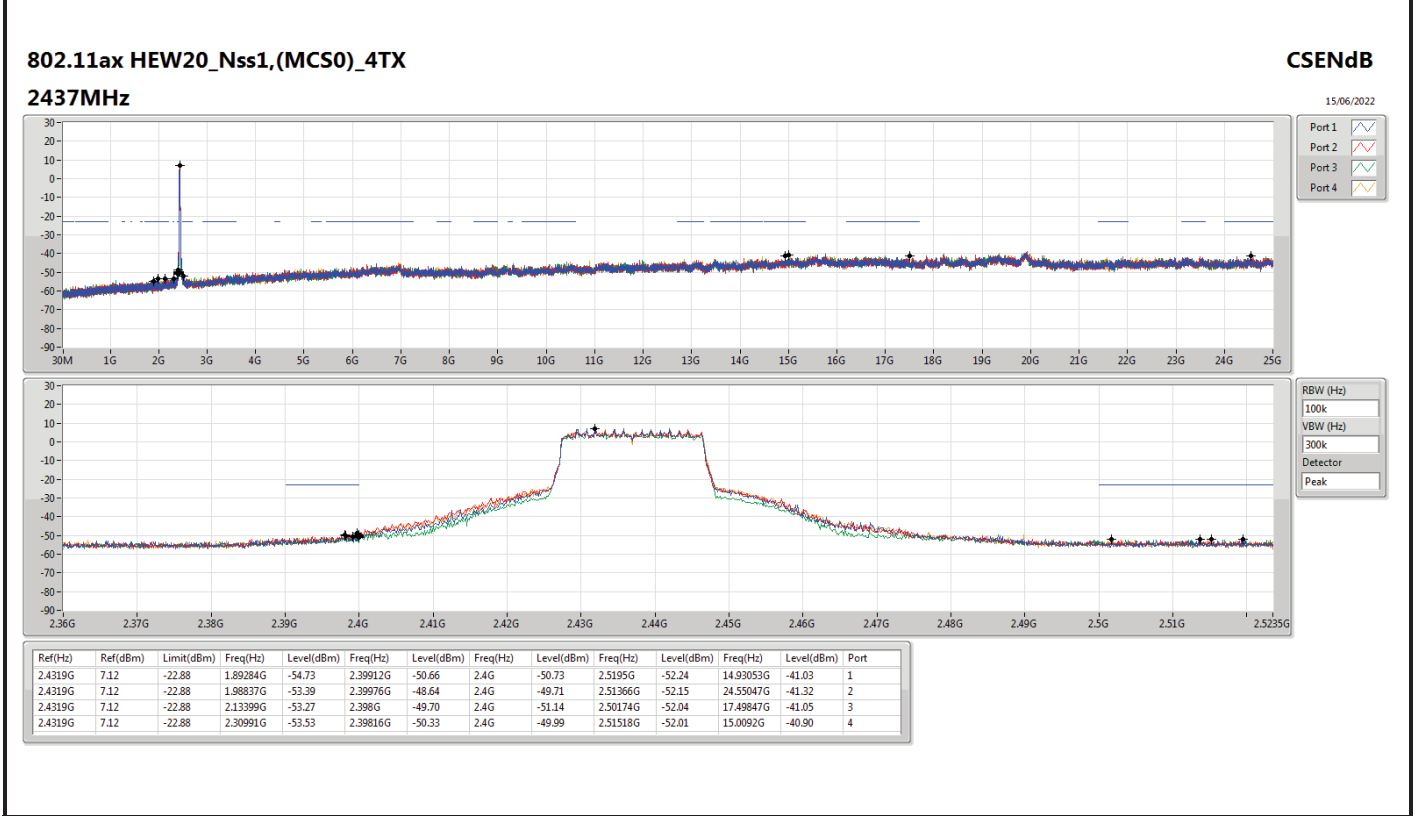
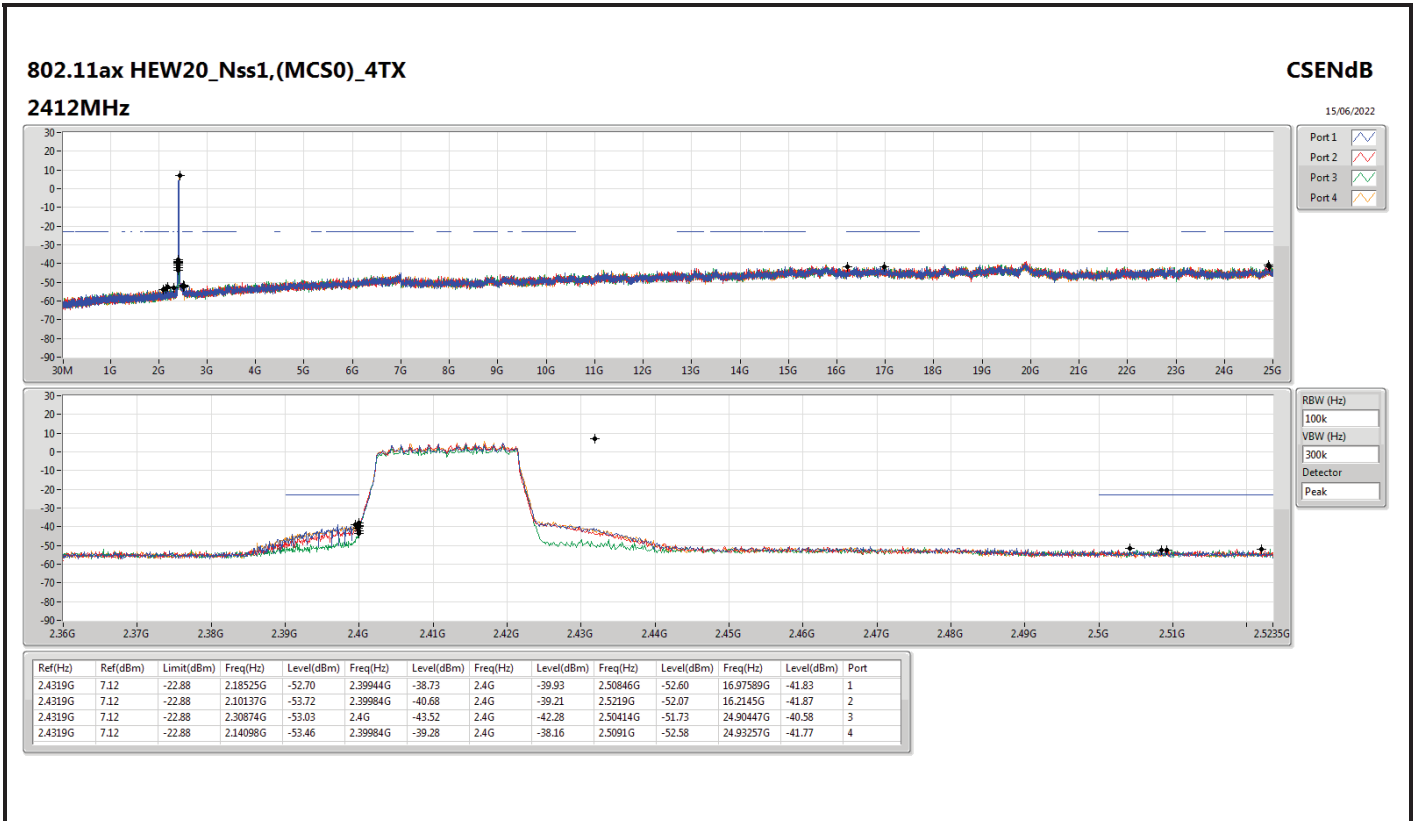


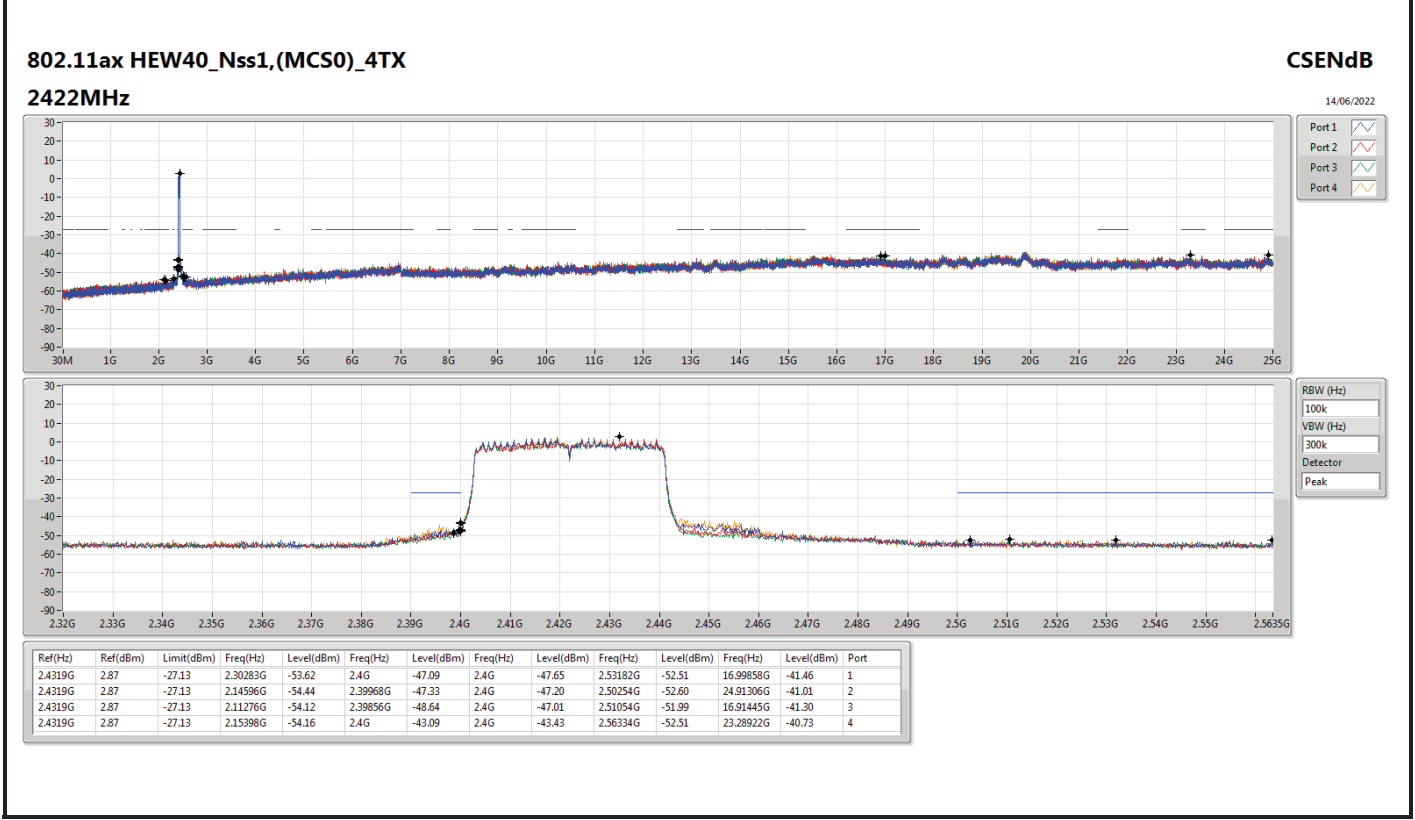
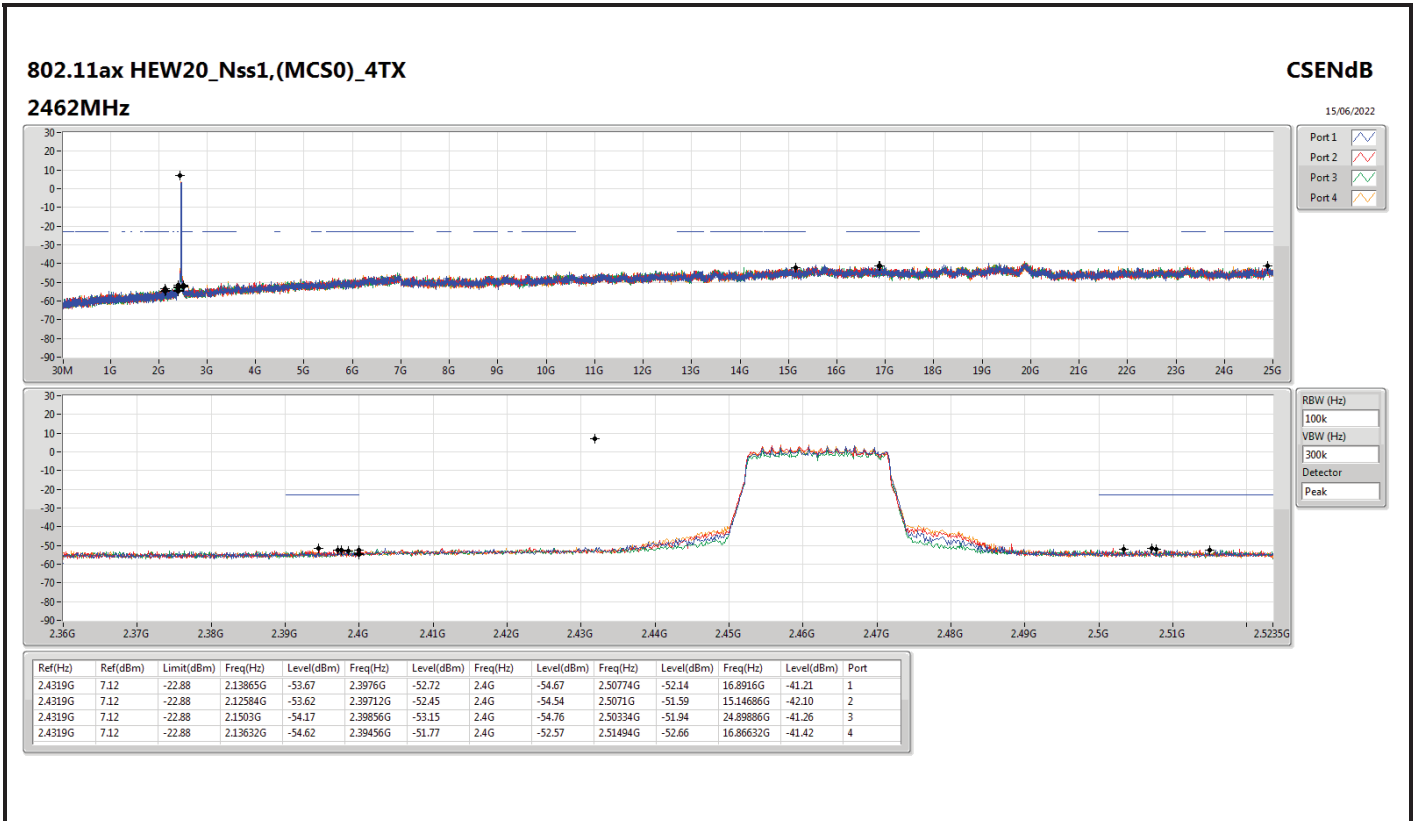


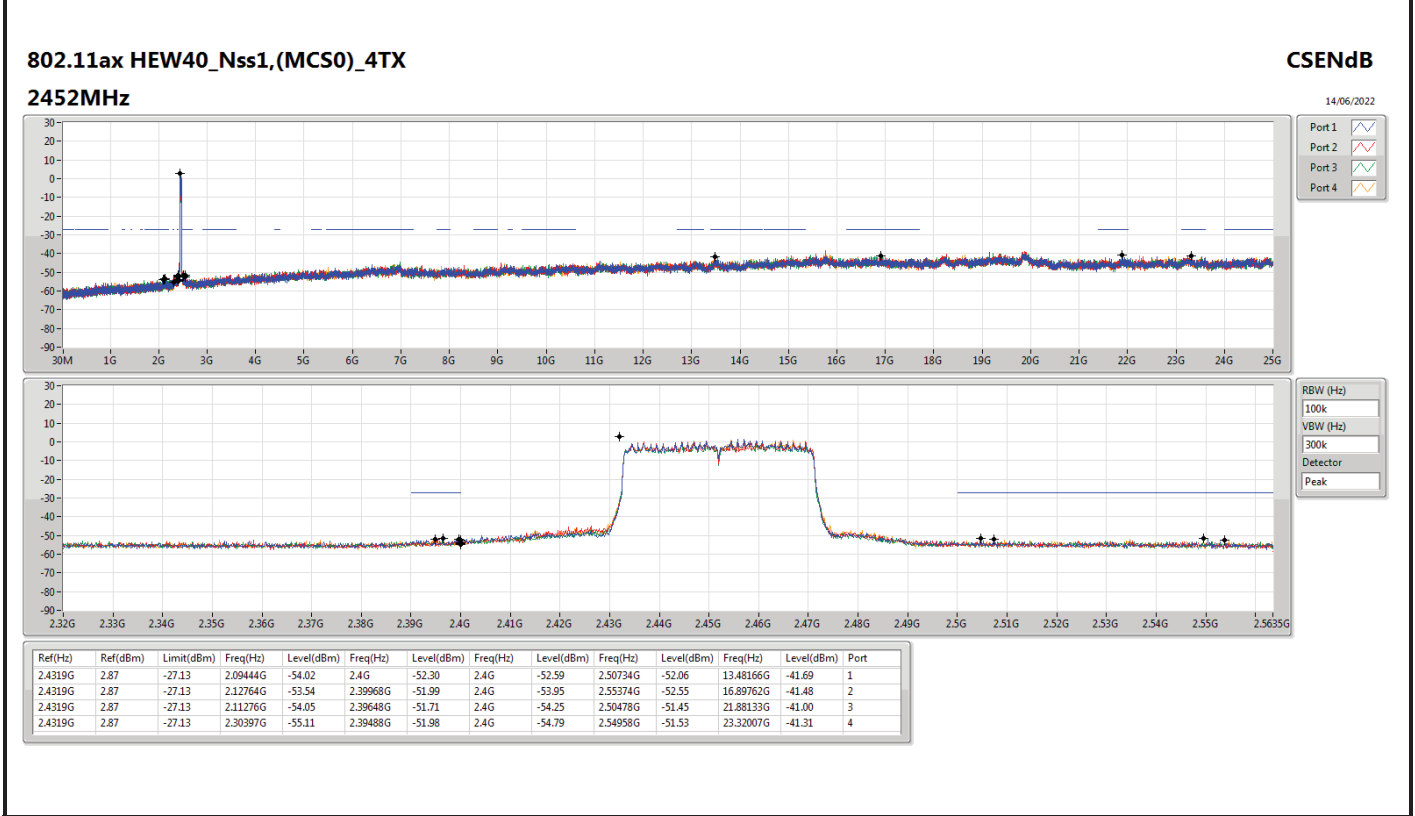
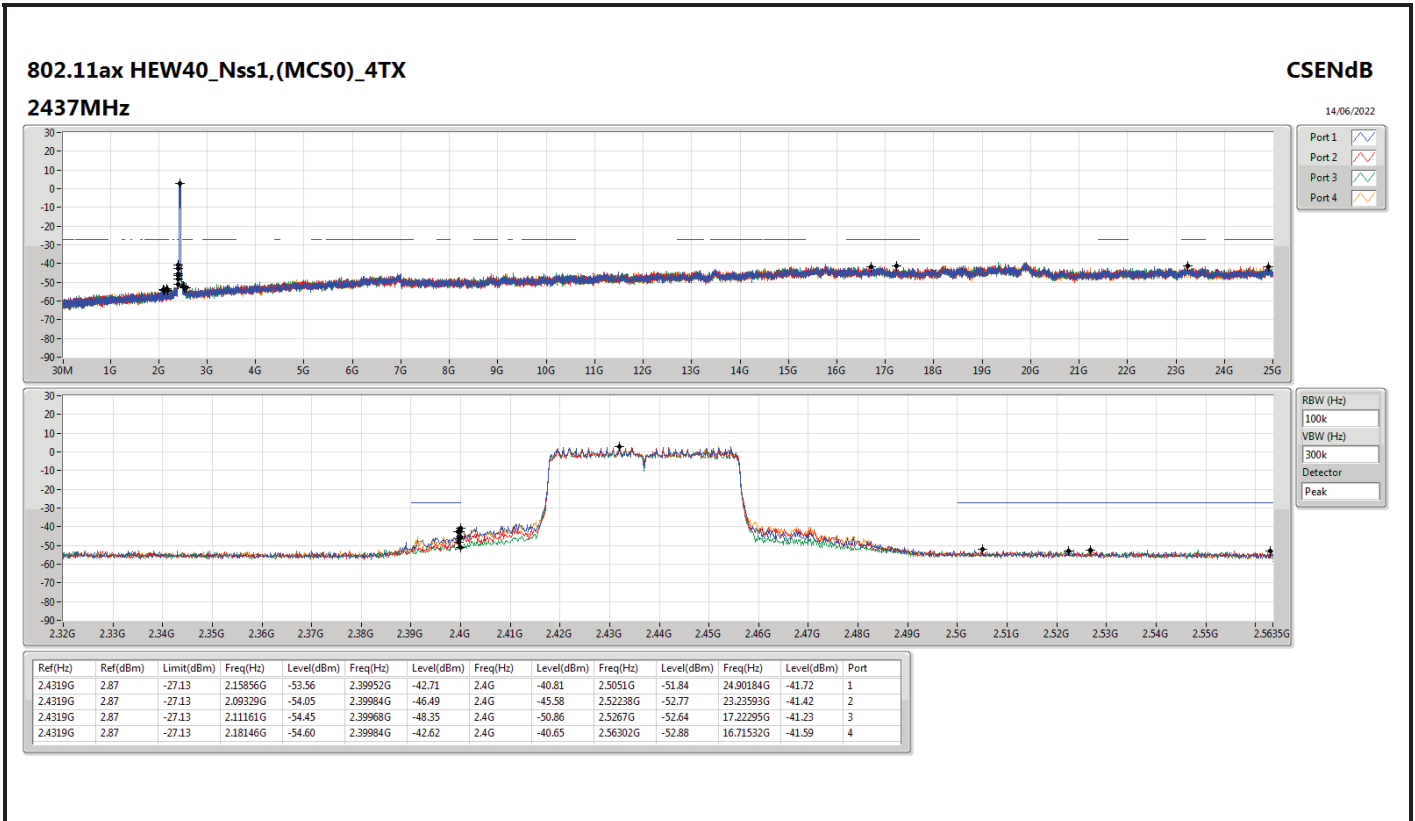














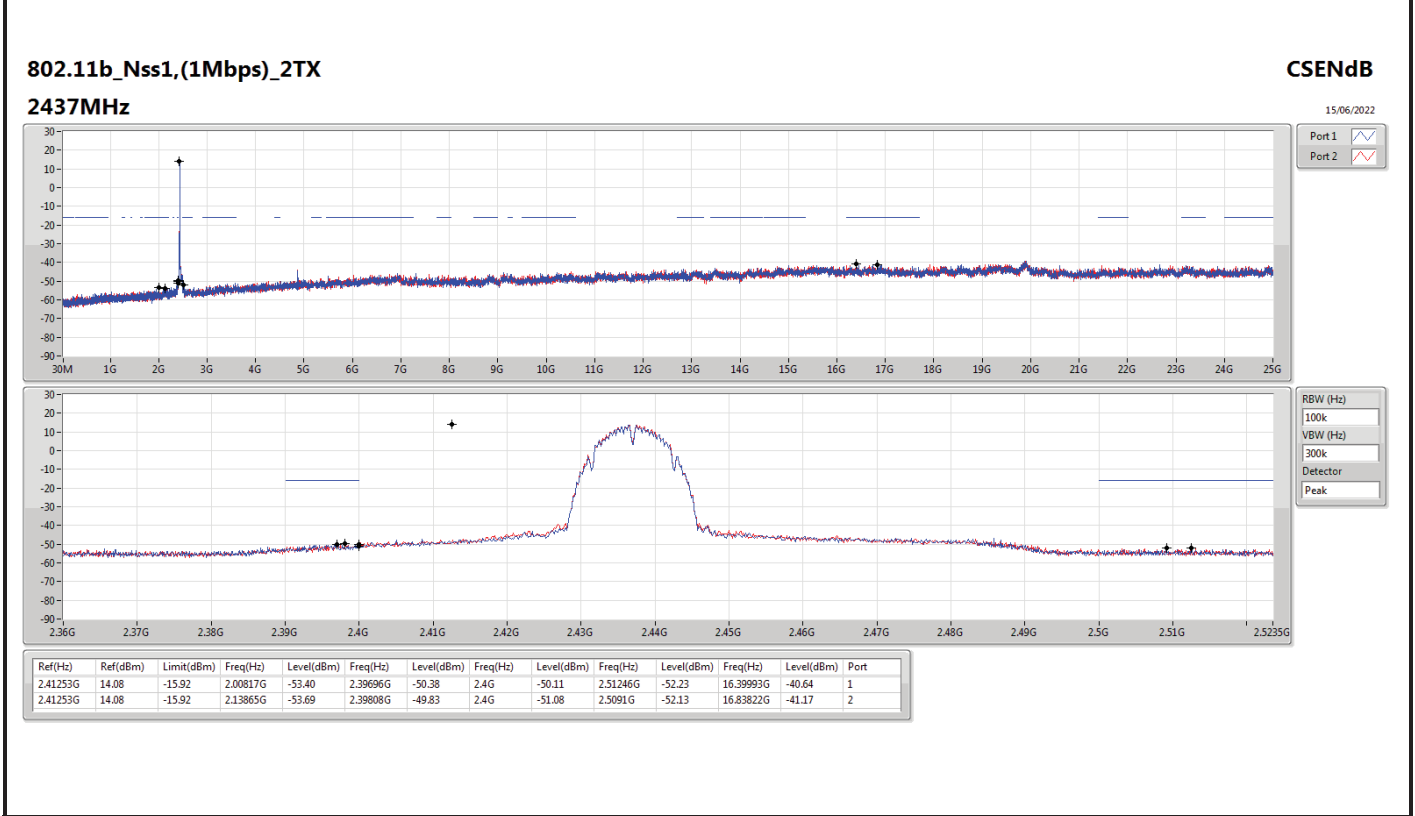
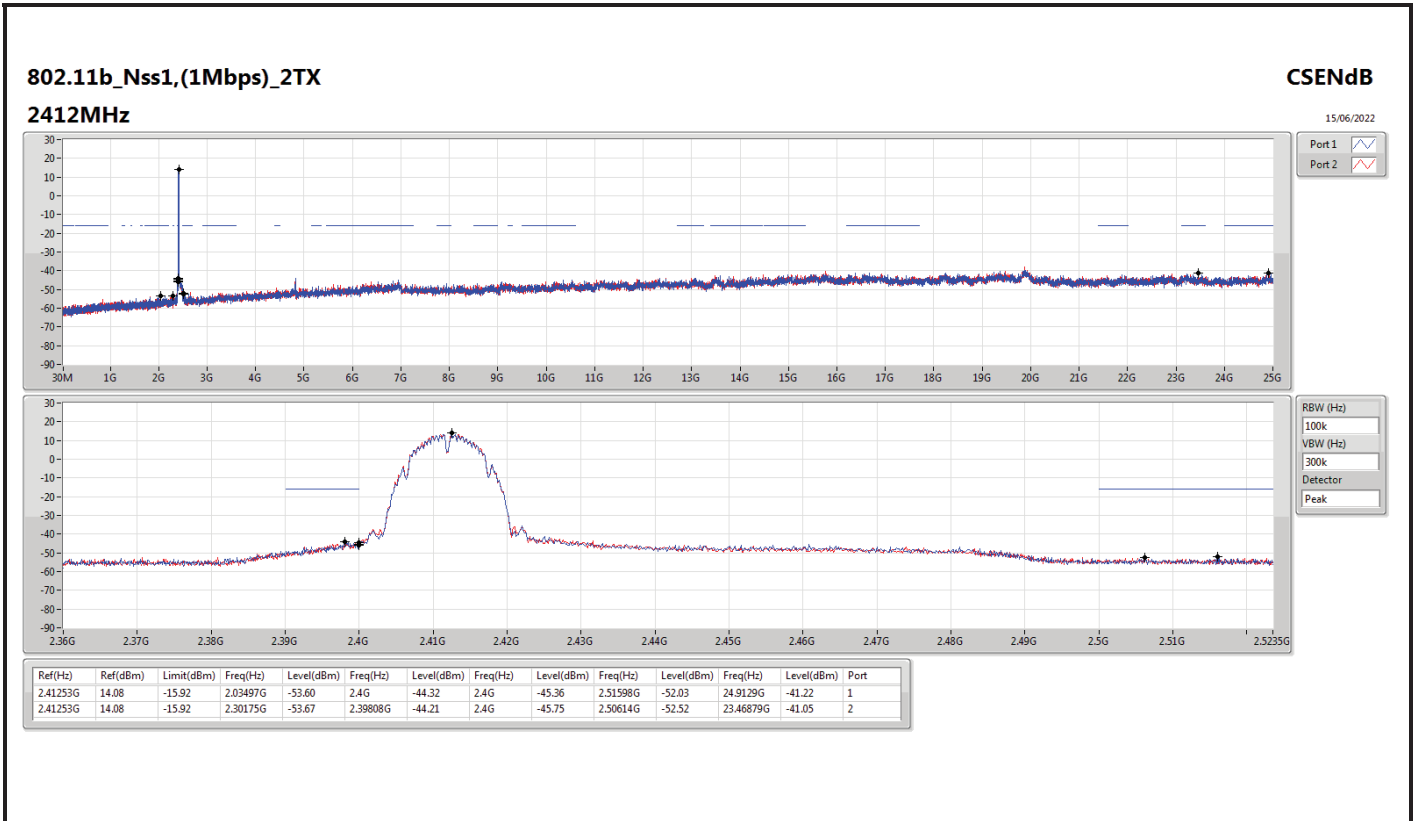
Summary

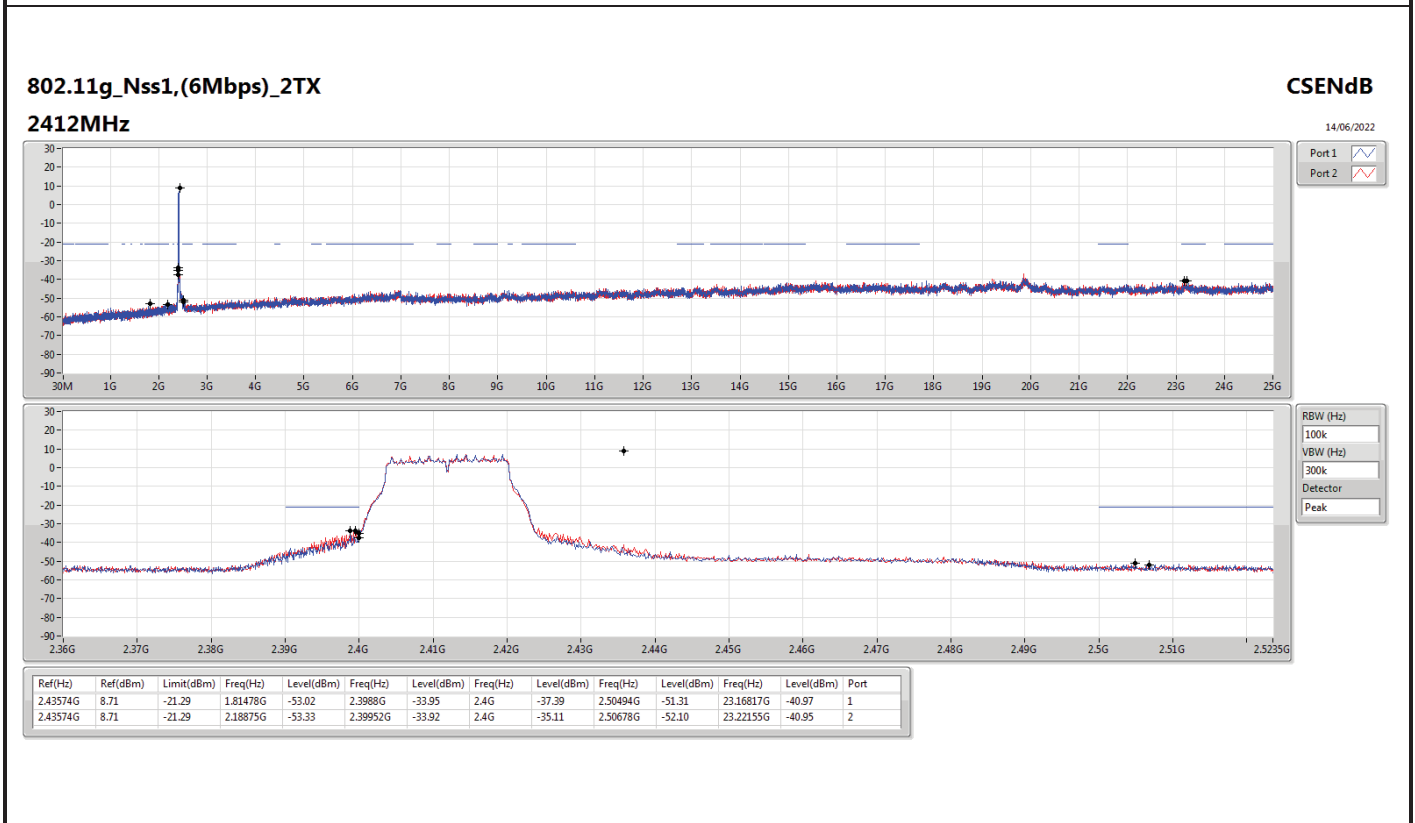
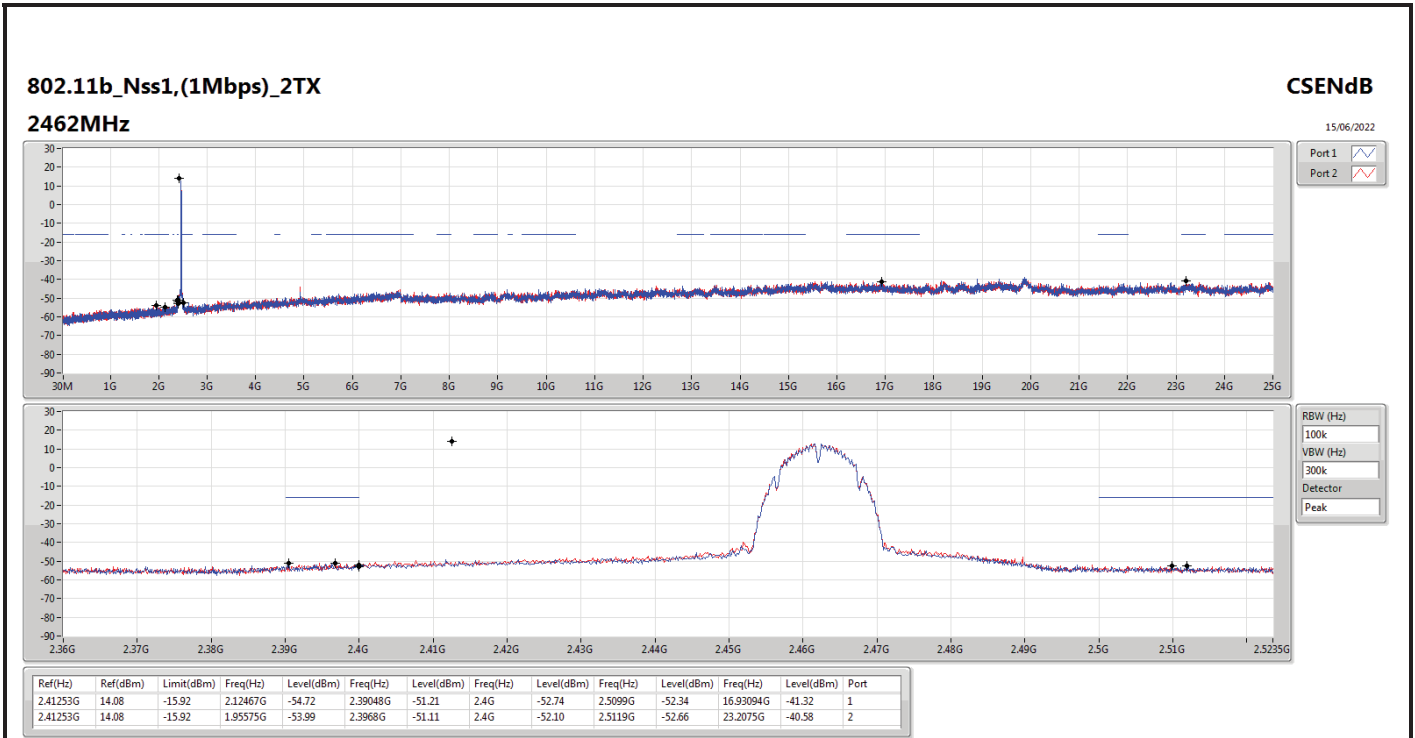
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41253G	14.08	-15.92	2.30175G	-53.67	2.39808G	-44.21	2.4G	-45.75	2.50614G	-52.52	23.46879G	-41.05	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.43574G	8.71	-21.29	2.18875G	-53.33	2.39952G	-33.92	2.4G	-35.11	2.50678G	-52.10	23.22155G	-40.95	2
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44192G	8.53	-21.47	80.1M	-28.48	2.39976G	-37.42	2.4G	-37.60	2.5235G	-51.60	23.35079G	-42.03	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.43457G	3.55	-26.45	80.38M	-29.37	2.39648G	-40.61	2.4G	-43.54	2.53294G	-52.54	24.68589G	-40.86	2
VHT20_Nss1,(MCS0)_2TX	Pass	2.44192G	8.73	-21.27	81.26M	-28.32	2.4G	-38.40	2.4G	-35.28	2.50446G	-51.71	24.8539G	-40.69	1
VHT40_Nss1,(MCS0)_2TX	Pass	2.44192G	3.66	-26.34	80.38M	-28.92	2.39728G	-51.62	2.4G	-53.29	2.51486G	-51.77	15.2261G	-41.02	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.44192G	9.01	-20.99	1.9872G	-52.99	2.39984G	-34.50	2.4G	-33.66	2.50902G	-50.71	23.19626G	-41.42	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4319G	4.07	-25.93	2.30283G	-52.44	2.39952G	-39.46	2.4G	-39.38	2.53454G	-52.46	23.36214G	-40.91	2

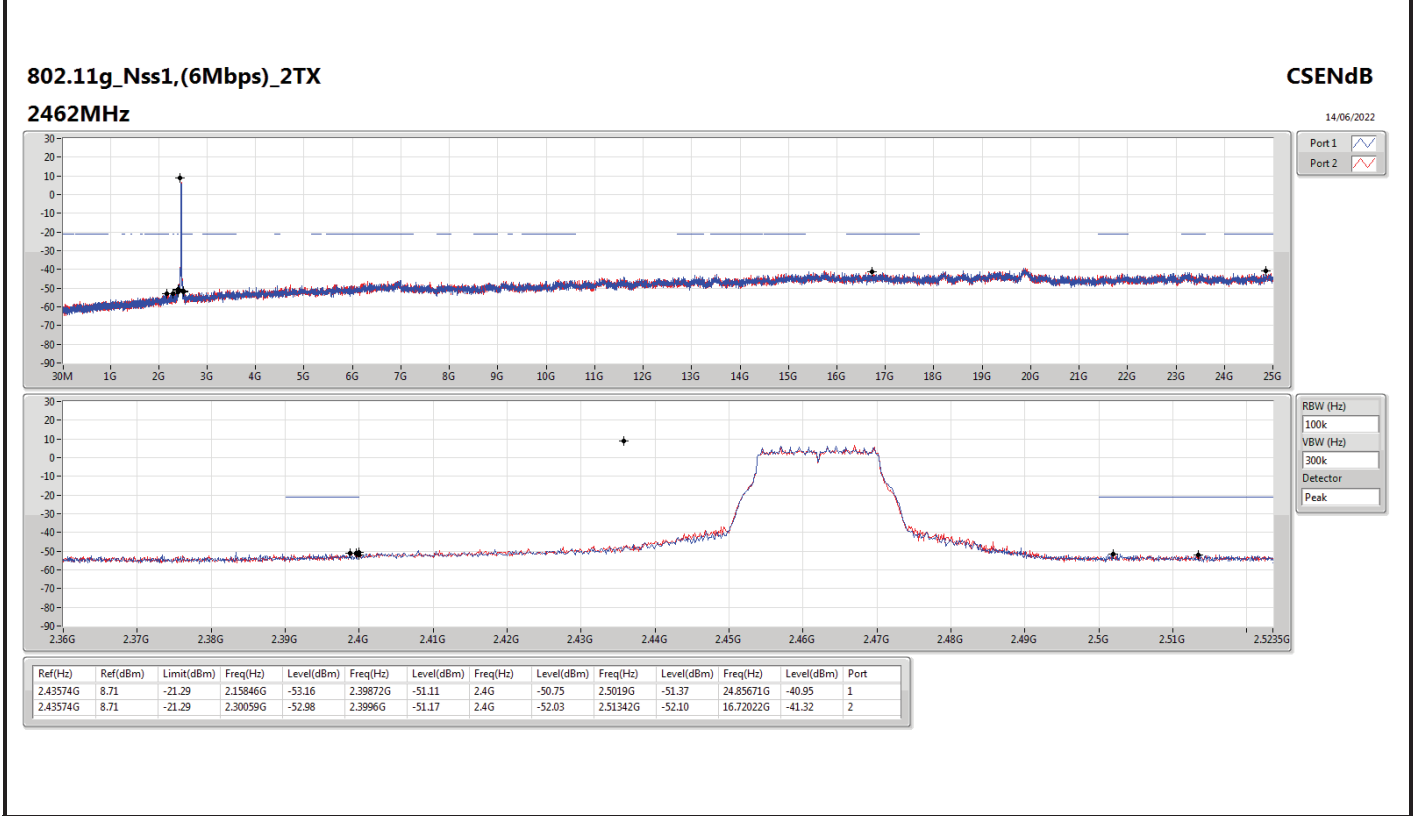
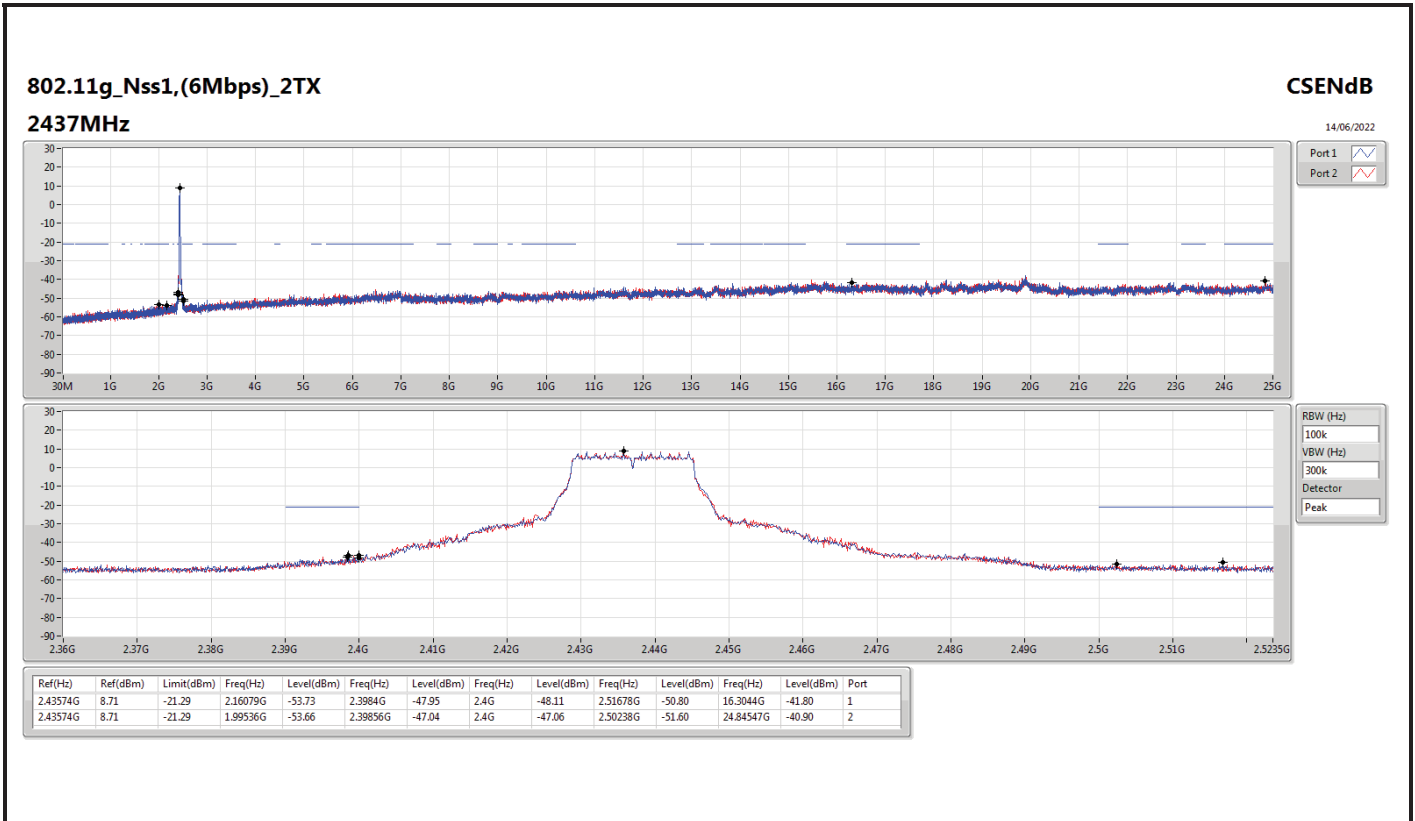


Result

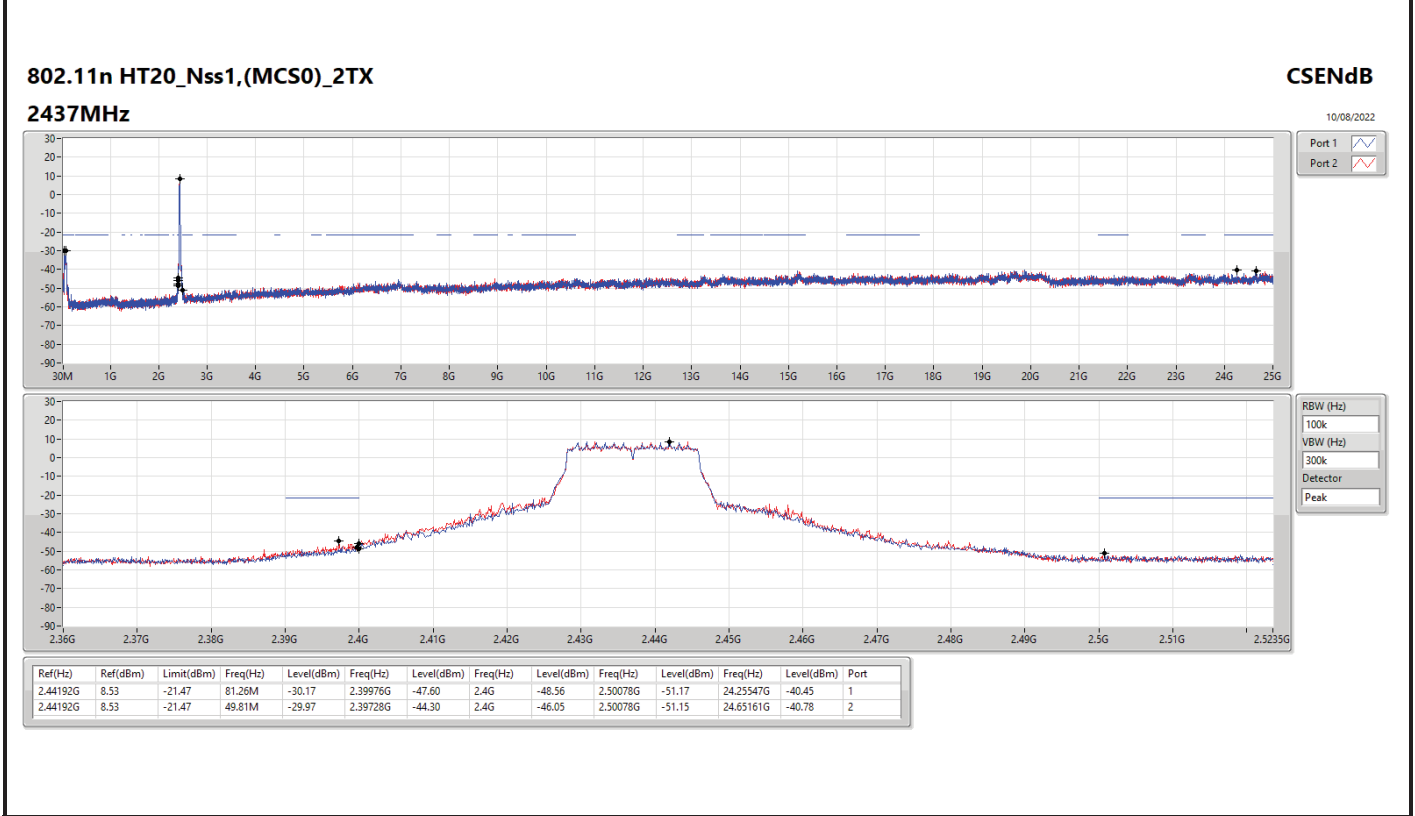
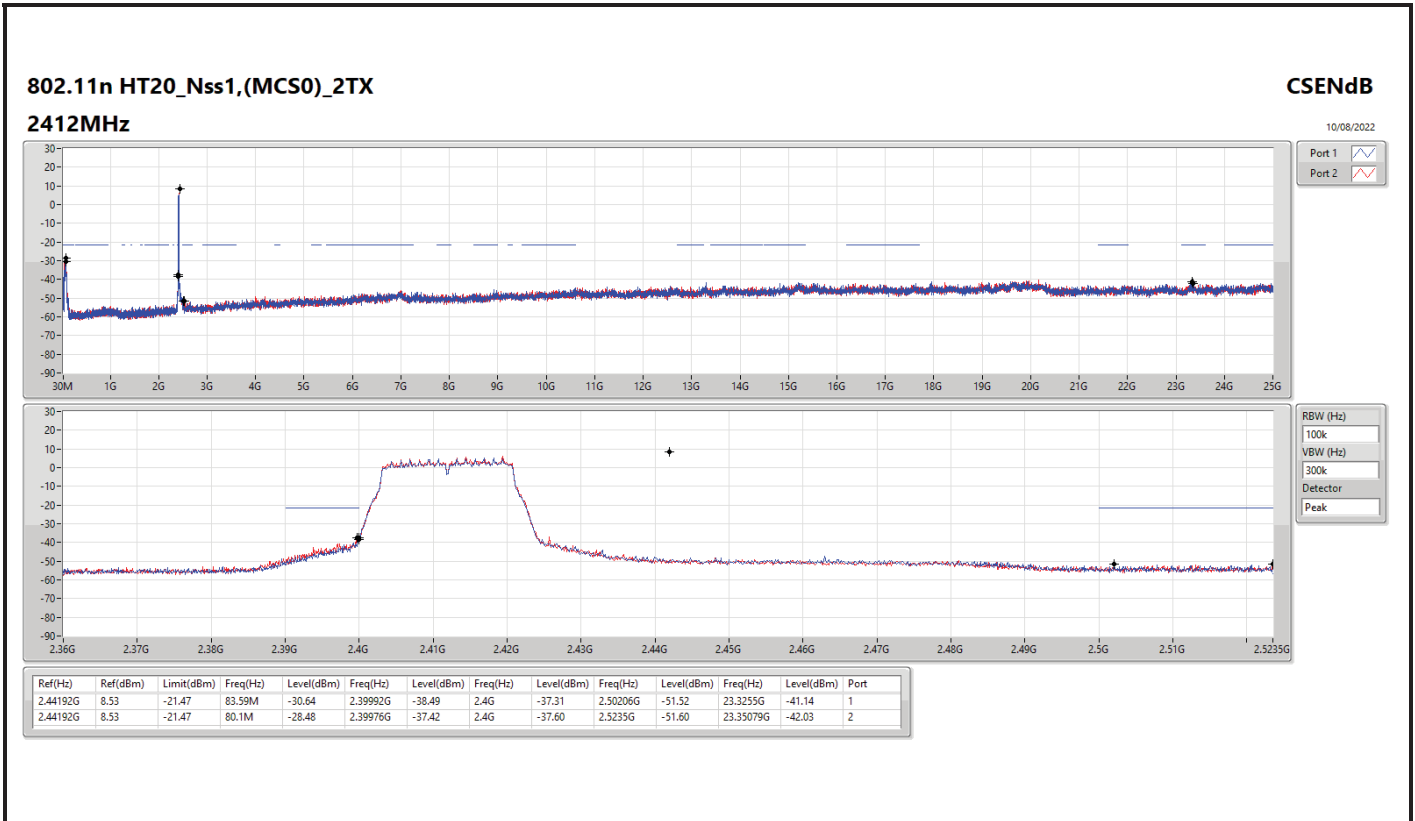
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41253G	14.08	-15.92	2.03497G	-53.60	2.4G	-44.32	2.4G	-45.36	2.51598G	-52.03	24.9129G	-41.22	1
2412MHz	Pass	2.41253G	14.08	-15.92	2.30175G	-53.67	2.39808G	-44.21	2.4G	-45.75	2.50614G	-52.52	23.46879G	-41.05	2
2437MHz	Pass	2.41253G	14.08	-15.92	2.00817G	-53.40	2.39696G	-50.38	2.4G	-50.11	2.51246G	-52.23	16.39993G	-40.64	1
2437MHz	Pass	2.41253G	14.08	-15.92	2.13865G	-53.69	2.39808G	-49.83	2.4G	-51.08	2.5091G	-52.13	16.83822G	-41.17	2
2462MHz	Pass	2.41253G	14.08	-15.92	2.12467G	-54.72	2.39048G	-51.21	2.4G	-52.74	2.5099G	-52.34	16.93094G	-41.32	1
2462MHz	Pass	2.41253G	14.08	-15.92	1.95575G	-53.99	2.3968G	-51.11	2.4G	-52.10	2.5119G	-52.66	23.2075G	-40.58	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	8.71	-21.29	1.81478G	-53.02	2.3988G	-33.95	2.4G	-37.39	2.50494G	-51.31	23.16817G	-40.97	1
2412MHz	Pass	2.43574G	8.71	-21.29	2.18875G	-53.33	2.39952G	-33.92	2.4G	-35.11	2.50678G	-52.10	23.22155G	-40.95	2
2437MHz	Pass	2.43574G	8.71	-21.29	2.16079G	-53.73	2.3984G	-47.95	2.4G	-48.11	2.51678G	-50.80	16.3044G	-41.80	1
2437MHz	Pass	2.43574G	8.71	-21.29	1.99536G	-53.66	2.39856G	-47.04	2.4G	-47.06	2.50238G	-51.60	24.84547G	-40.90	2
2462MHz	Pass	2.43574G	8.71	-21.29	2.15846G	-53.16	2.39872G	-51.11	2.4G	-50.75	2.5019G	-51.37	24.85671G	-40.95	1
2462MHz	Pass	2.43574G	8.71	-21.29	2.30059G	-52.98	2.3996G	-51.17	2.4G	-52.03	2.51342G	-52.10	16.72022G	-41.32	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	8.53	-21.47	83.59M	-30.64	2.39992G	-38.49	2.4G	-37.31	2.50206G	-51.52	23.3255G	-41.14	1
2412MHz	Pass	2.44192G	8.53	-21.47	80.1M	-28.48	2.39976G	-37.42	2.4G	-37.60	2.5235G	-51.60	23.35079G	-42.03	2
2437MHz	Pass	2.44192G	8.53	-21.47	81.26M	-30.17	2.39976G	-47.60	2.4G	-48.56	2.50078G	-51.17	24.25547G	-40.45	1
2437MHz	Pass	2.44192G	8.53	-21.47	49.81M	-29.97	2.39728G	-44.30	2.4G	-46.05	2.50078G	-51.15	24.65161G	-40.78	2
2462MHz	Pass	2.44192G	8.53	-21.47	49.81M	-30.05	2.39608G	-52.29	2.4G	-54.36	2.52102G	-51.79	24.74152G	-40.86	1
2462MHz	Pass	2.44192G	8.53	-21.47	88.25M	-31.92	2.39408G	-52.67	2.4G	-53.97	2.51638G	-51.89	24.06442G	-40.99	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43457G	3.55	-26.45	49.47M	-29.84	2.4G	-44.38	2.4G	-46.03	2.51054G	-51.48	24.78124G	-41.93	1
2422MHz	Pass	2.43457G	3.55	-26.45	49.47M	-29.68	2.39968G	-42.49	2.4G	-45.43	2.5107G	-52.41	15.19244G	-41.86	2
2437MHz	Pass	2.43457G	3.55	-26.45	49.47M	-29.65	2.39888G	-43.51	2.4G	-44.67	2.55582G	-51.87	15.25415G	-41.39	1
2437MHz	Pass	2.43457G	3.55	-26.45	80.38M	-29.37	2.39648G	-40.61	2.4G	-43.54	2.53294G	-52.54	24.68589G	-40.86	2
2452MHz	Pass	2.43457G	3.55	-26.45	49.47M	-29.54	2.39216G	-52.36	2.4G	-53.94	2.53822G	-52.32	17.51462G	-42.11	1
2452MHz	Pass	2.43457G	3.55	-26.45	49.47M	-29.52	2.39808G	-52.95	2.4G	-50.47	2.52078G	-52.00	15.21208G	-40.02	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	8.73	-21.27	81.26M	-28.32	2.4G	-38.40	2.4G	-35.28	2.50446G	-51.71	24.8539G	-40.69	1
2412MHz	Pass	2.44192G	8.73	-21.27	49.81M	-29.76	2.39984G	-39.30	2.4G	-37.96	2.50254G	-51.92	15.21148G	-39.35	2
2437MHz	Pass	2.44192G	8.73	-21.27	78.93M	-28.90	2.39952G	-45.81	2.4G	-47.53	2.52126G	-51.83	15.2171G	-42.49	1
2437MHz	Pass	2.44192G	8.73	-21.27	49.81M	-29.46	2.3976G	-43.56	2.4G	-45.55	2.51038G	-52.16	23.29179G	-41.53	2
2462MHz	Pass	2.44192G	8.73	-21.27	49.81M	-29.78	2.3948G	-52.05	2.4G	-54.11	2.5187G	-51.36	24.78085G	-41.92	1
2462MHz	Pass	2.44192G	8.73	-21.27	49.81M	-29.83	2.396G	-52.54	2.4G	-52.25	2.51006G	-51.74	15.20306G	-41.43	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44192G	3.66	-26.34	49.47M	-29.85	2.39952G	-46.06	2.4G	-44.46	2.52142G	-52.10	16.71252G	-41.02	1
2422MHz	Pass	2.44192G	3.66	-26.34	80.38M	-28.97	2.39792G	-44.55	2.4G	-45.89	2.56238G	-52.00	16.40402G	-42.01	2
2437MHz	Pass	2.44192G	3.66	-26.34	49.47M	-29.72	2.39808G	-43.05	2.4G	-45.97	2.5027G	-51.84	15.2261G	-41.86	1
2437MHz	Pass	2.44192G	3.66	-26.34	49.47M	-29.38	2.3984G	-41.08	2.4G	-45.44	2.55134G	-51.54	24.68869G	-41.62	2
2452MHz	Pass	2.44192G	3.66	-26.34	49.47M	-29.32	2.39216G	-52.05	2.4G	-54.14	2.53166G	-51.65	16.49096G	-41.65	1
2452MHz	Pass	2.44192G	3.66	-26.34	80.38M	-28.92	2.39728G	-51.62	2.4G	-53.29	2.51486G	-51.77	15.2261G	-41.02	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	9.01	-20.99	1.9872G	-52.99	2.39984G	-34.50	2.4G	-33.66	2.50902G	-50.71	23.19626G	-41.42	1
2412MHz	Pass	2.44192G	9.01	-20.99	1.43266G	-53.80	2.39968G	-33.67	2.4G	-33.75	2.51446G	-52.30	15.23396G	-40.20	2
2437MHz	Pass	2.44192G	9.01	-20.99	2.05361G	-54.36	2.39976G	-45.23	2.4G	-45.42	2.50518G	-51.97	24.71904G	-41.95	1
2437MHz	Pass	2.44192G	9.01	-20.99	2.10021G	-54.35	2.39984G	-43.65	2.4G	-45.48	2.50638G	-51.36	15.23677G	-41.87	2
2462MHz	Pass	2.44192G	9.01	-20.99	2.07108G	-54.21	2.39992G	-52.37	2.4G	-53.58	2.51134G	-52.31	24.76119G	-41.73	1
2462MHz	Pass	2.44192G	9.01	-20.99	2.13399G	-53.70	2.39272G	-51.85	2.4G	-53.46	2.51102G	-51.16	15.23115G	-41.33	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	4.07	-25.93	871.58M	-53.28	2.39728G	-43.91	2.4G	-46.40	2.54334G	-51.51	23.35933G	-41.23	1
2422MHz	Pass	2.4319G	4.07	-25.93	2.11161G	-54.21	2.3992G	-41.35	2.4G	-44.94	2.54574G	-51.90	24.98878G	-41.65	2
2437MHz	Pass	2.4319G	4.07	-25.93	1.98108G	-53.36	2.3992G	-39.49	2.4G	-46.38	2.50702G	-52.16	17.5651G	-41.80	1
2437MHz	Pass	2.4319G	4.07	-25.93	2.30283G	-52.44	2.39952G	-39.46	2.4G	-39.38	2.53454G	-52.46	23.36214G	-40.91	2
2452MHz	Pass	2.4319G	4.07	-25.93	2.13222G	-54.21	2.39952G	-51.01	2.4G	-52.56	2.50094G	-52.02	21.95985G	-41.83	1
2452MHz	Pass	2.4319G	4.07	-25.93	1.9433G	-54.33	2.39904G	-52.39	2.4G	-52.79	2.51454G	-51.76	23.33689G	-41.35	2

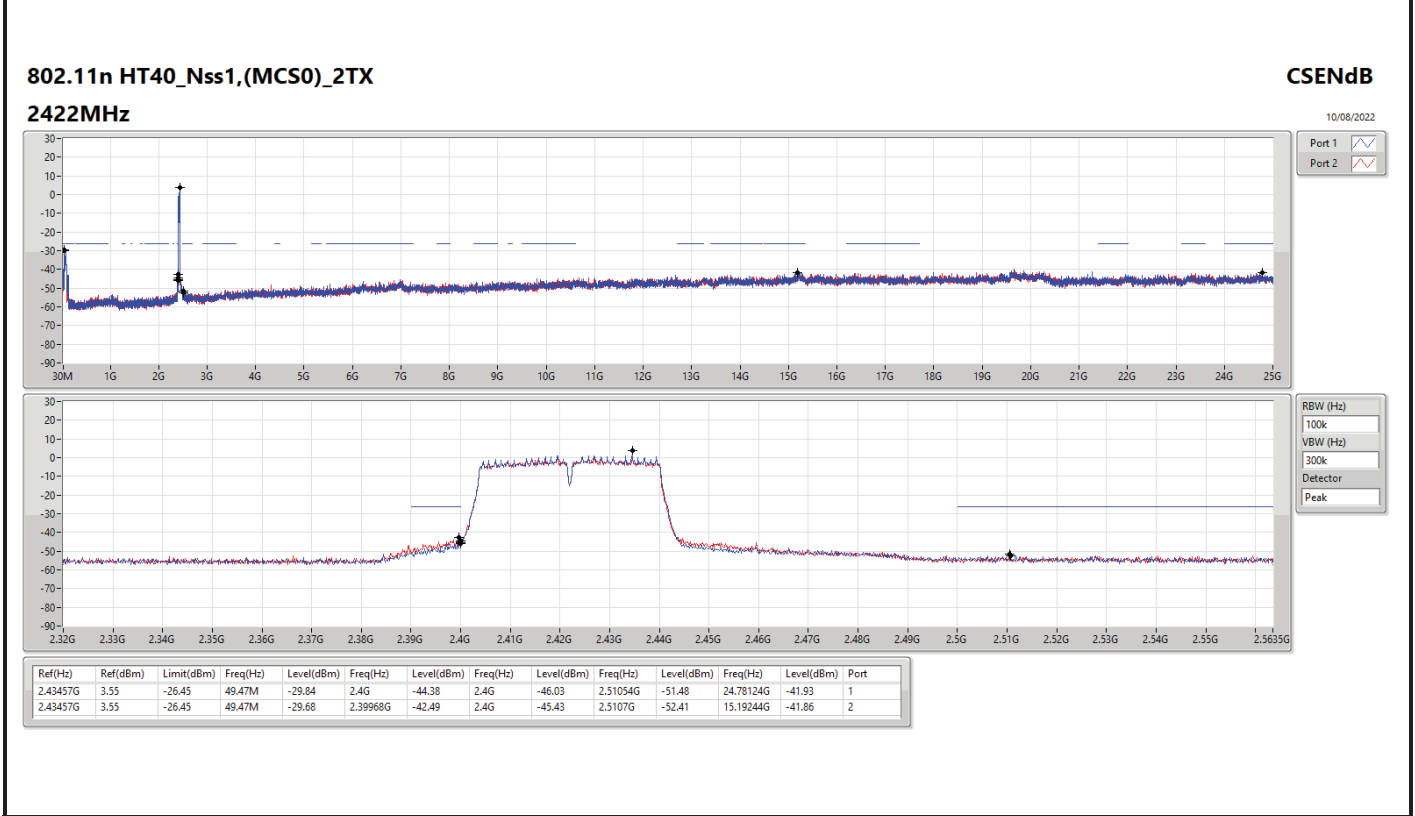
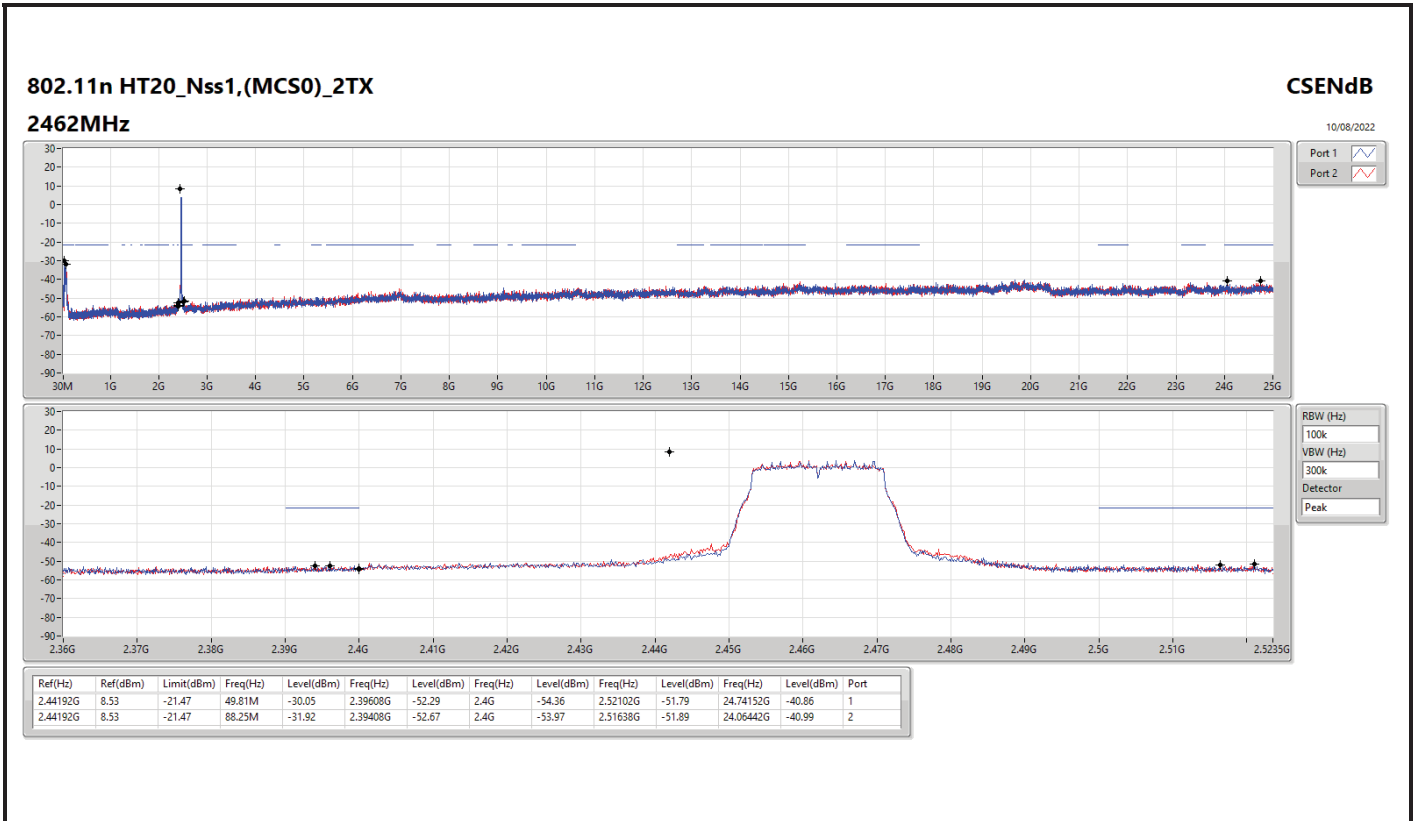


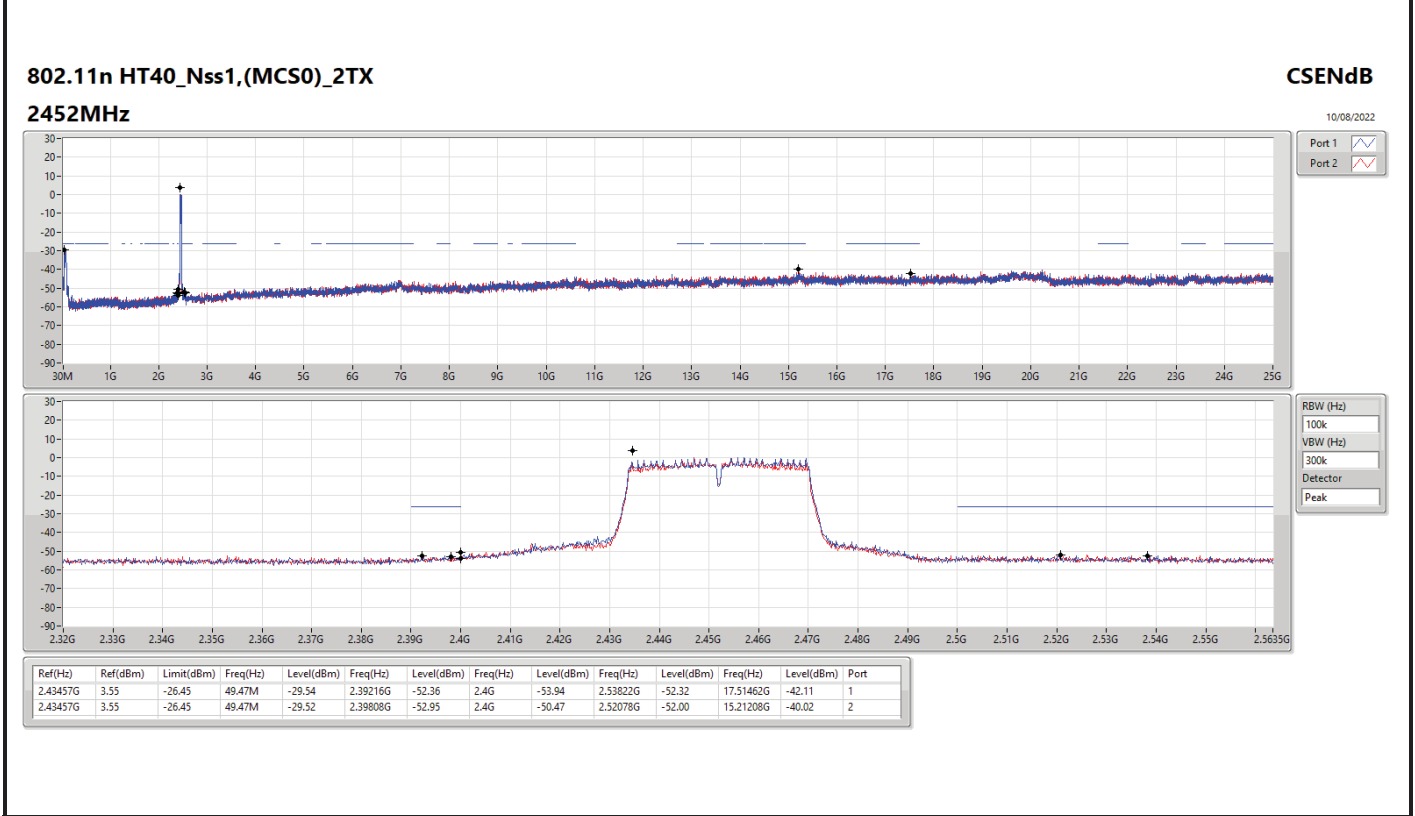
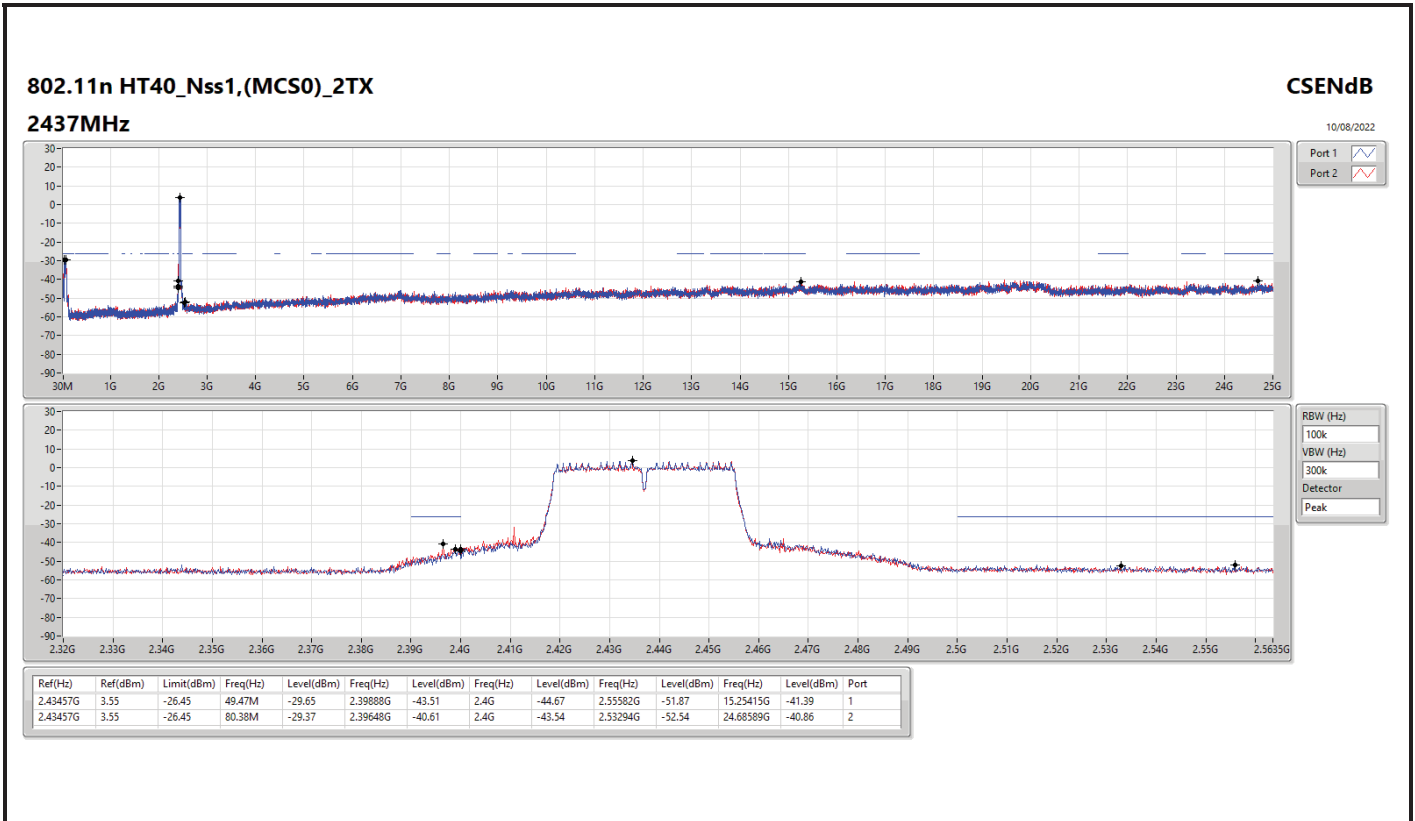


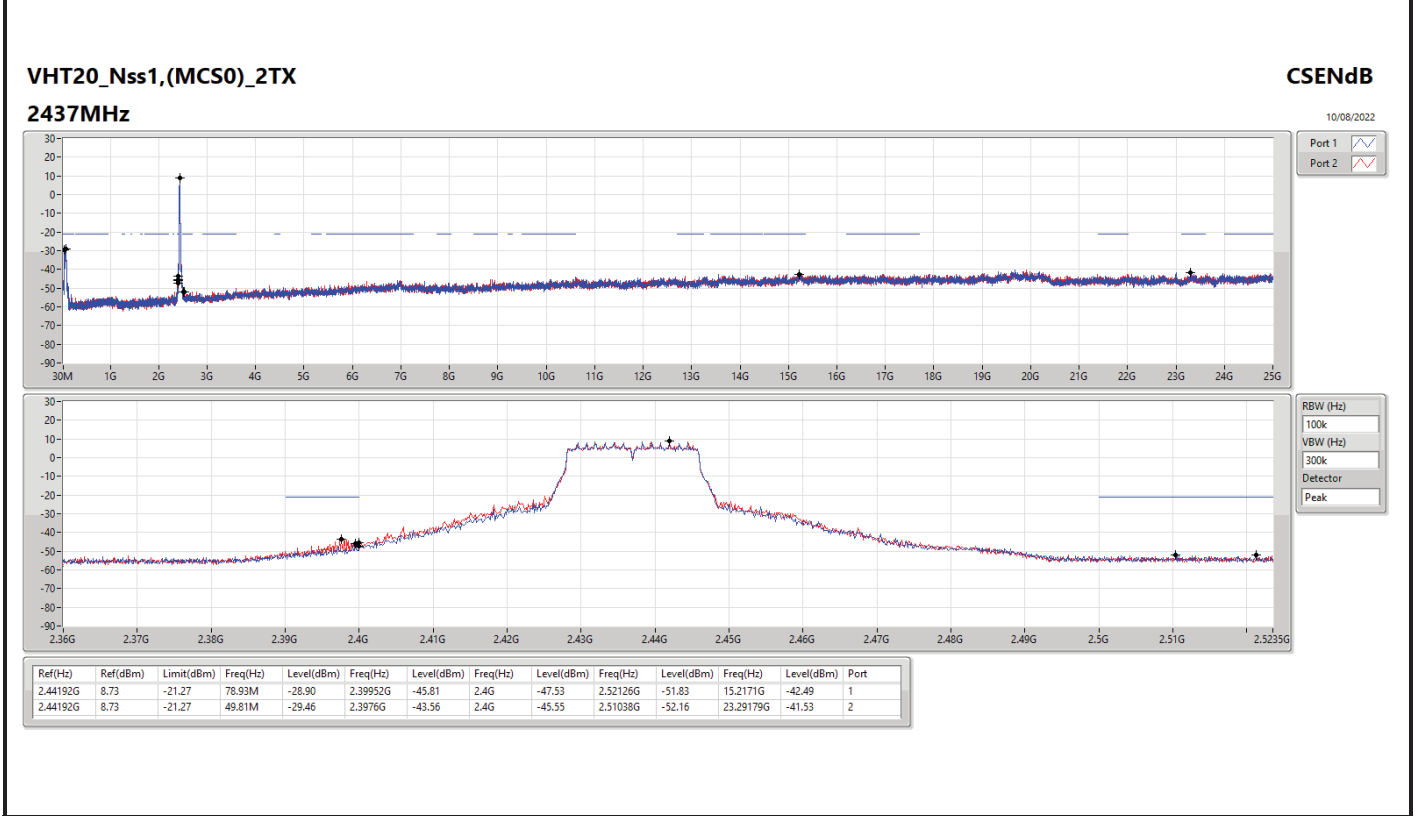
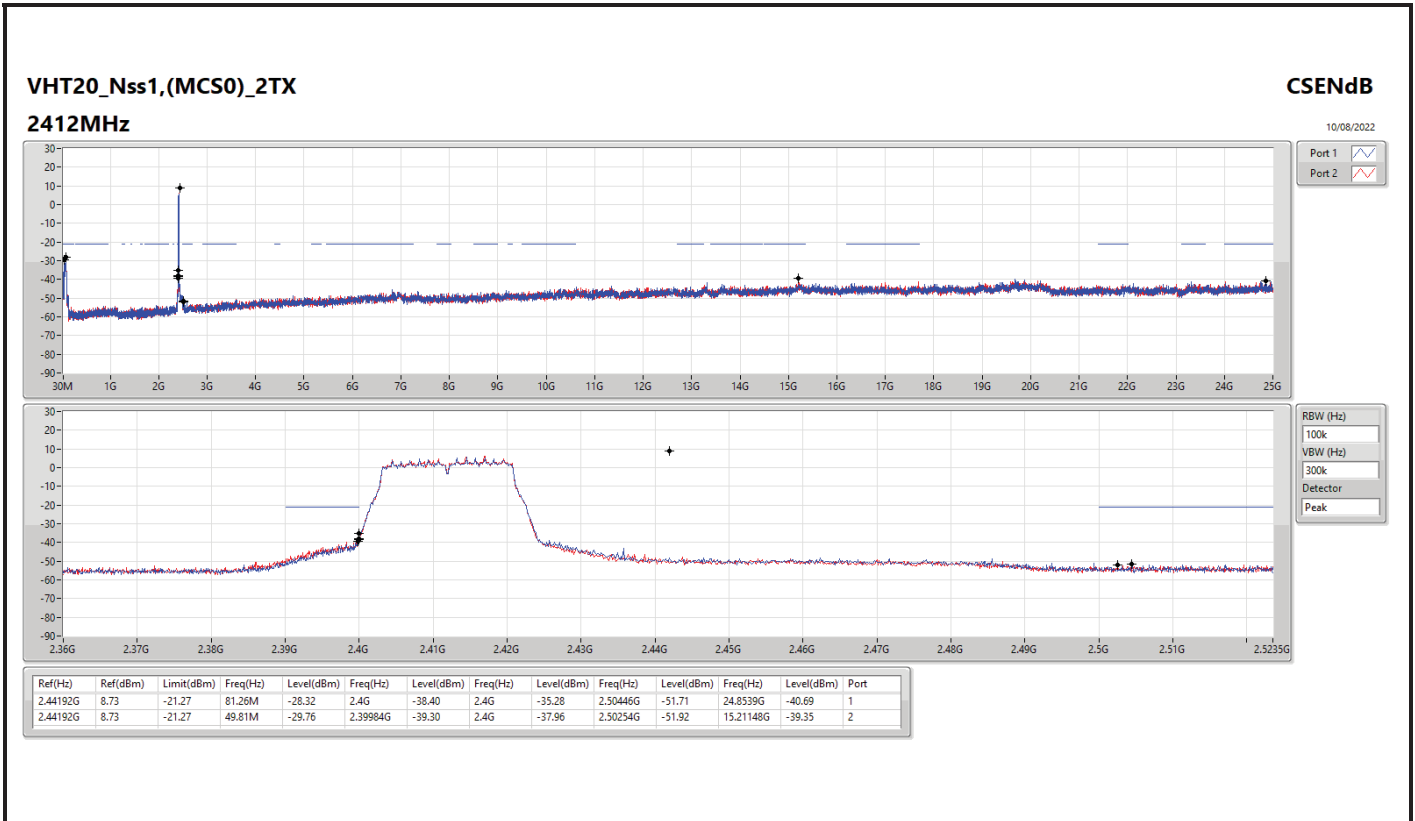


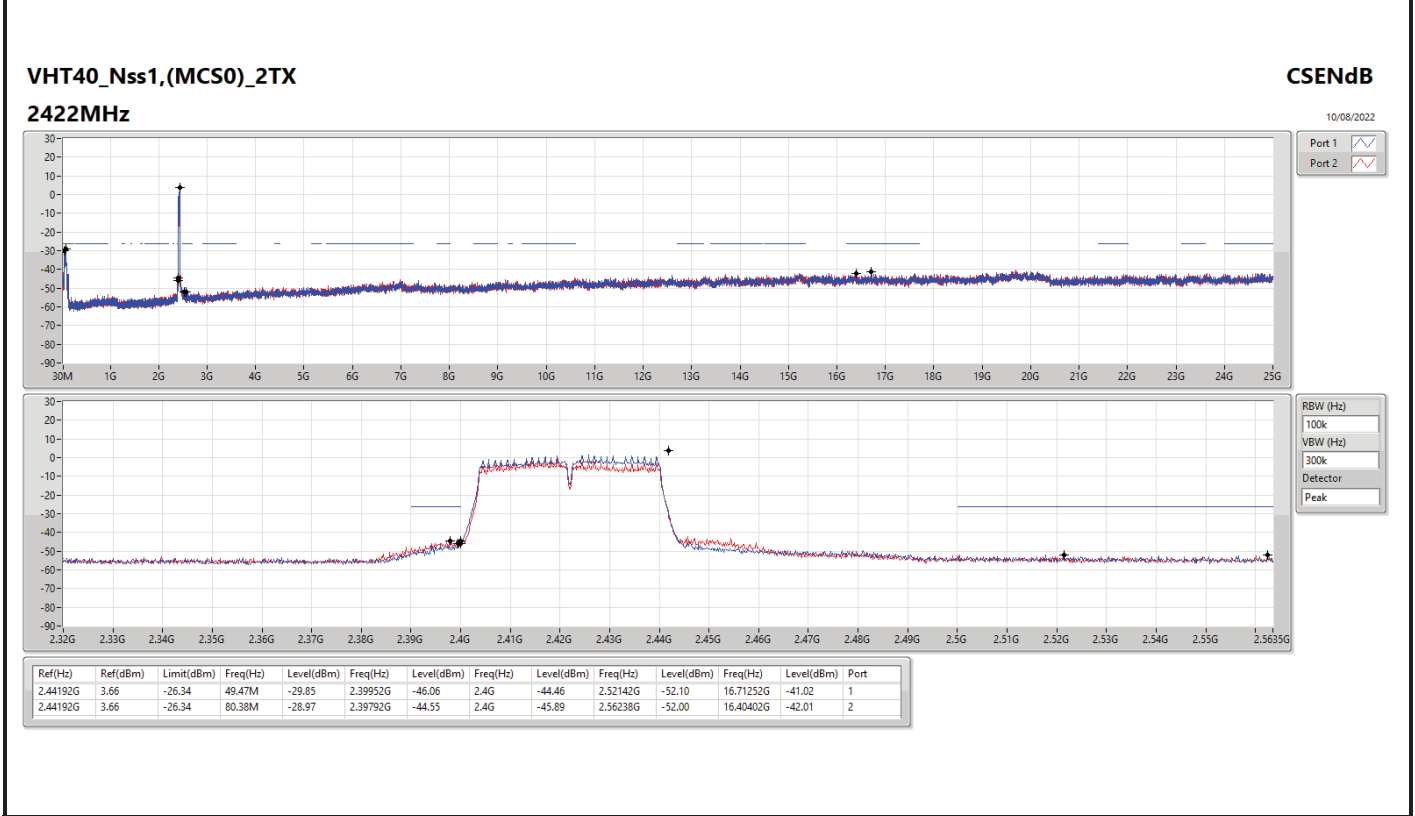
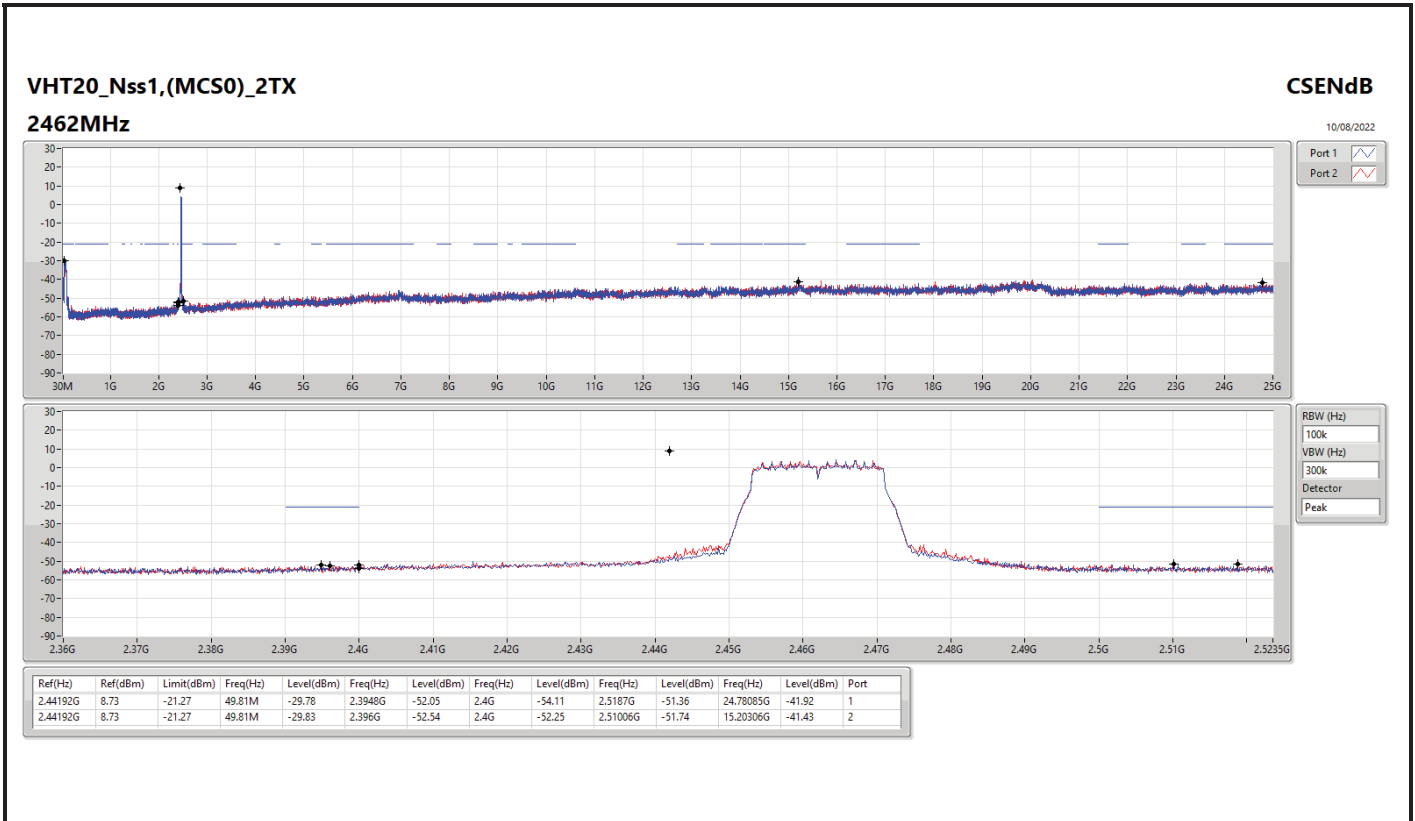


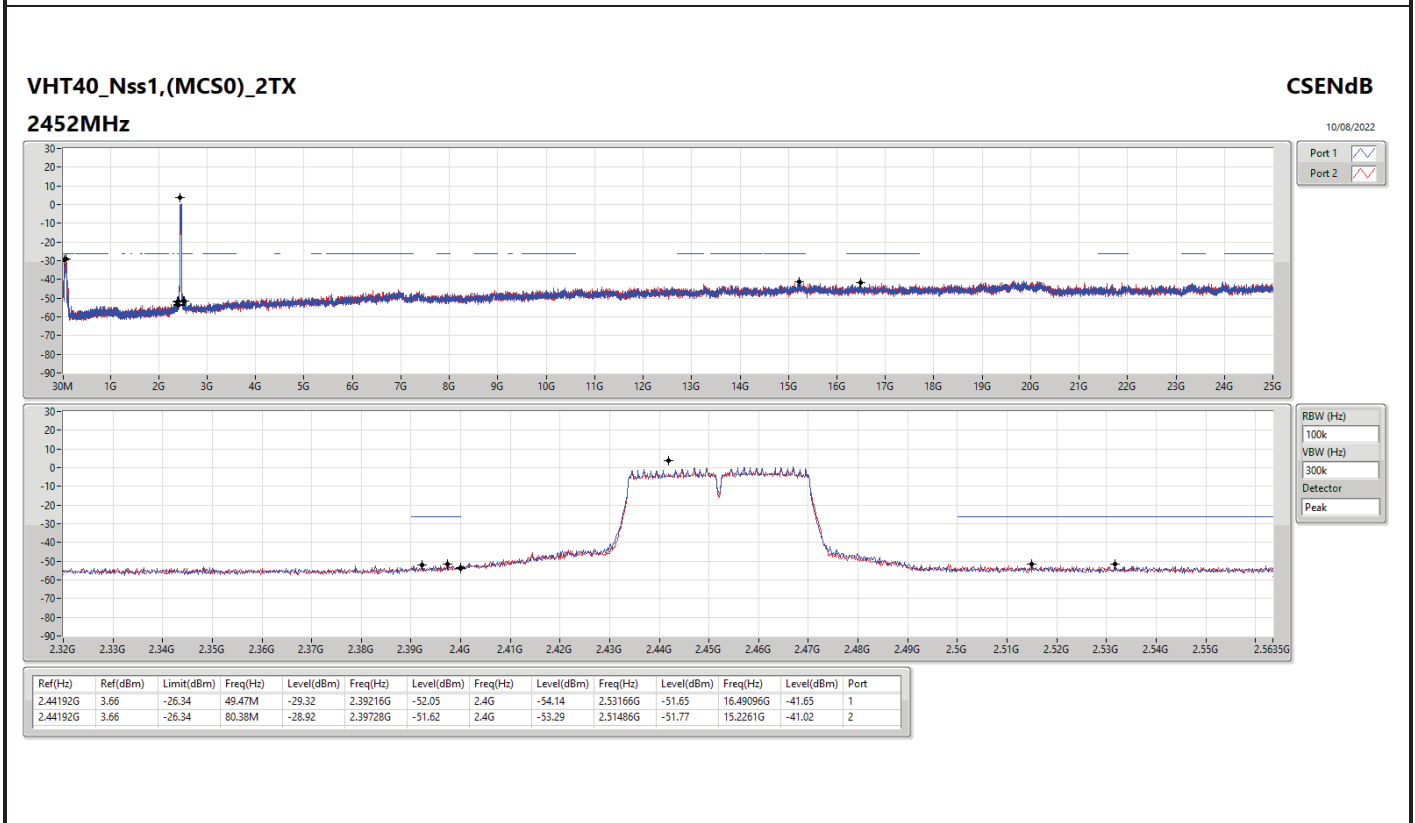
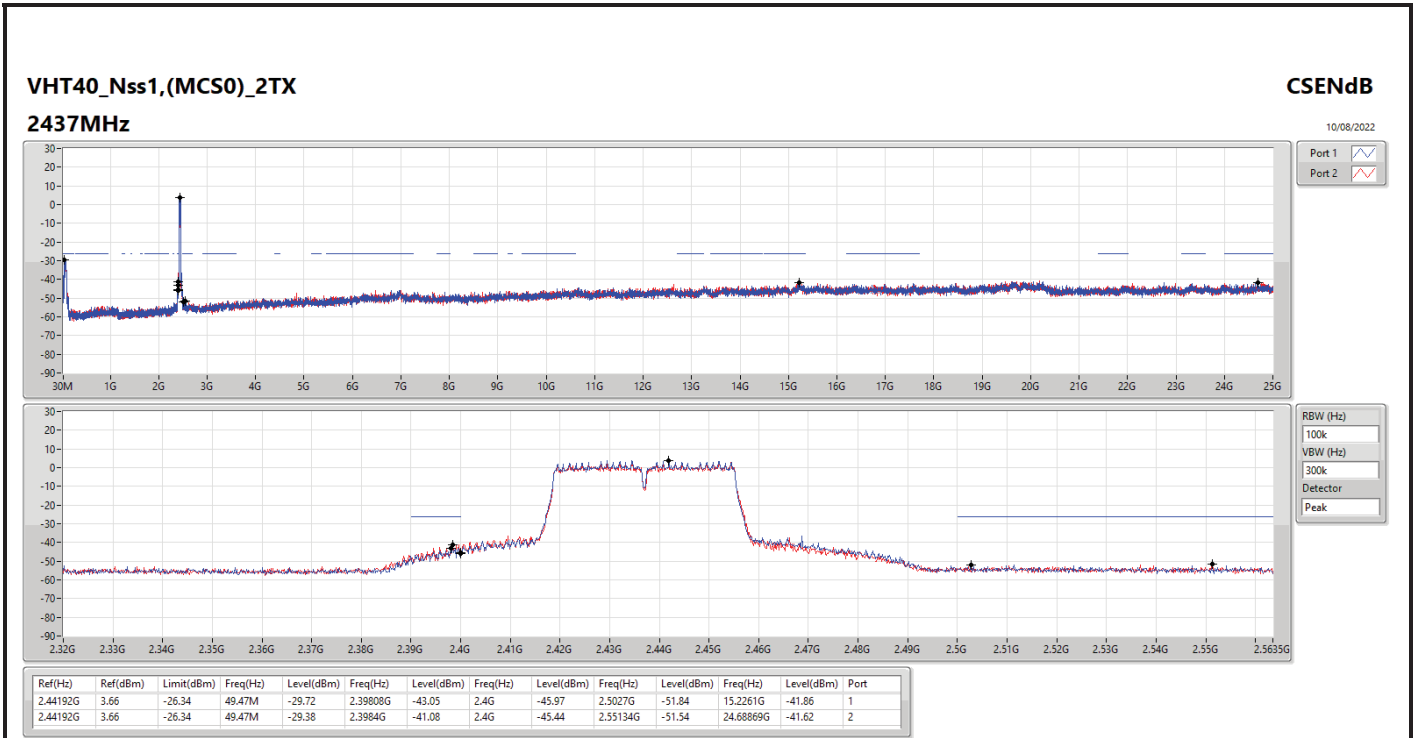


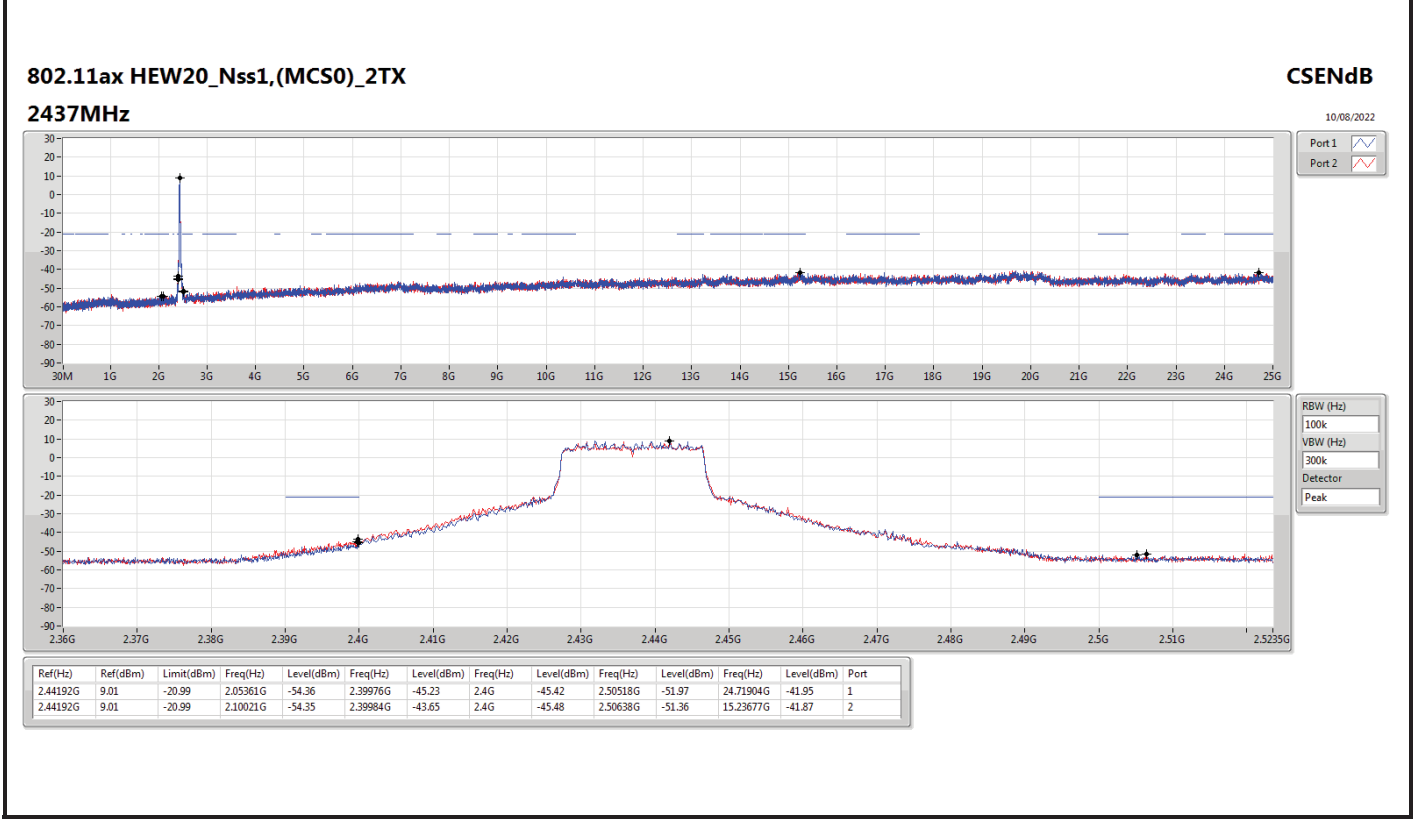
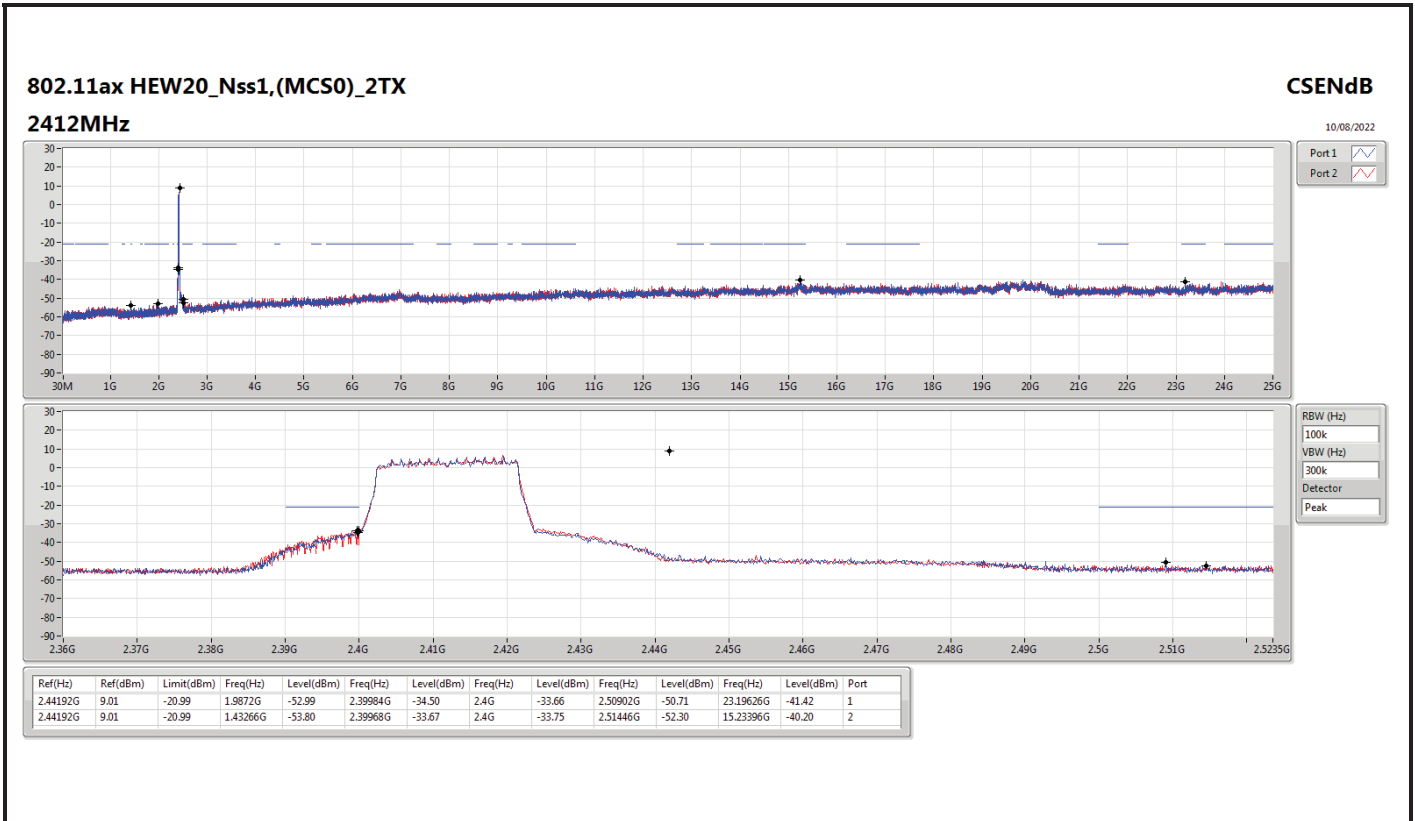


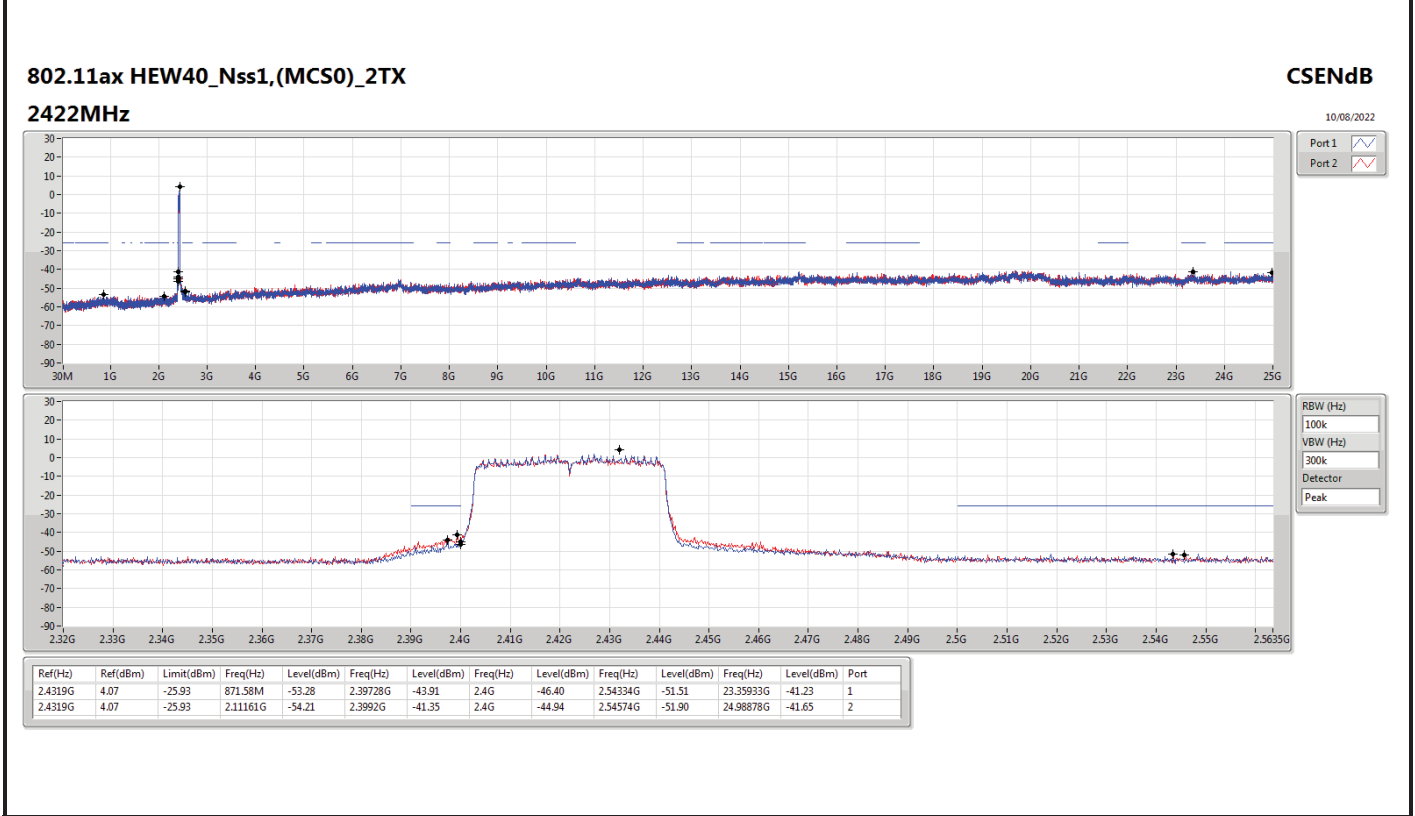
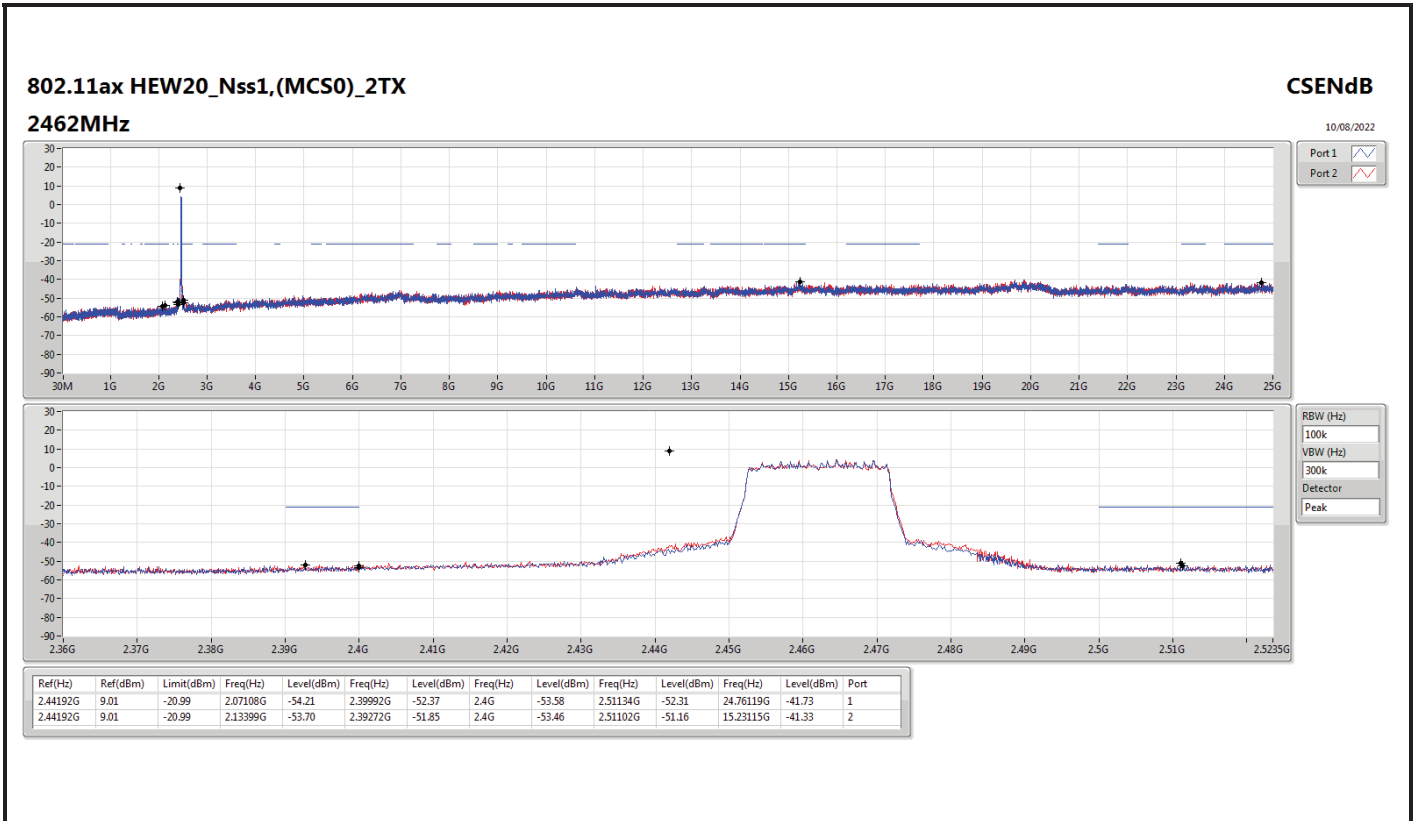




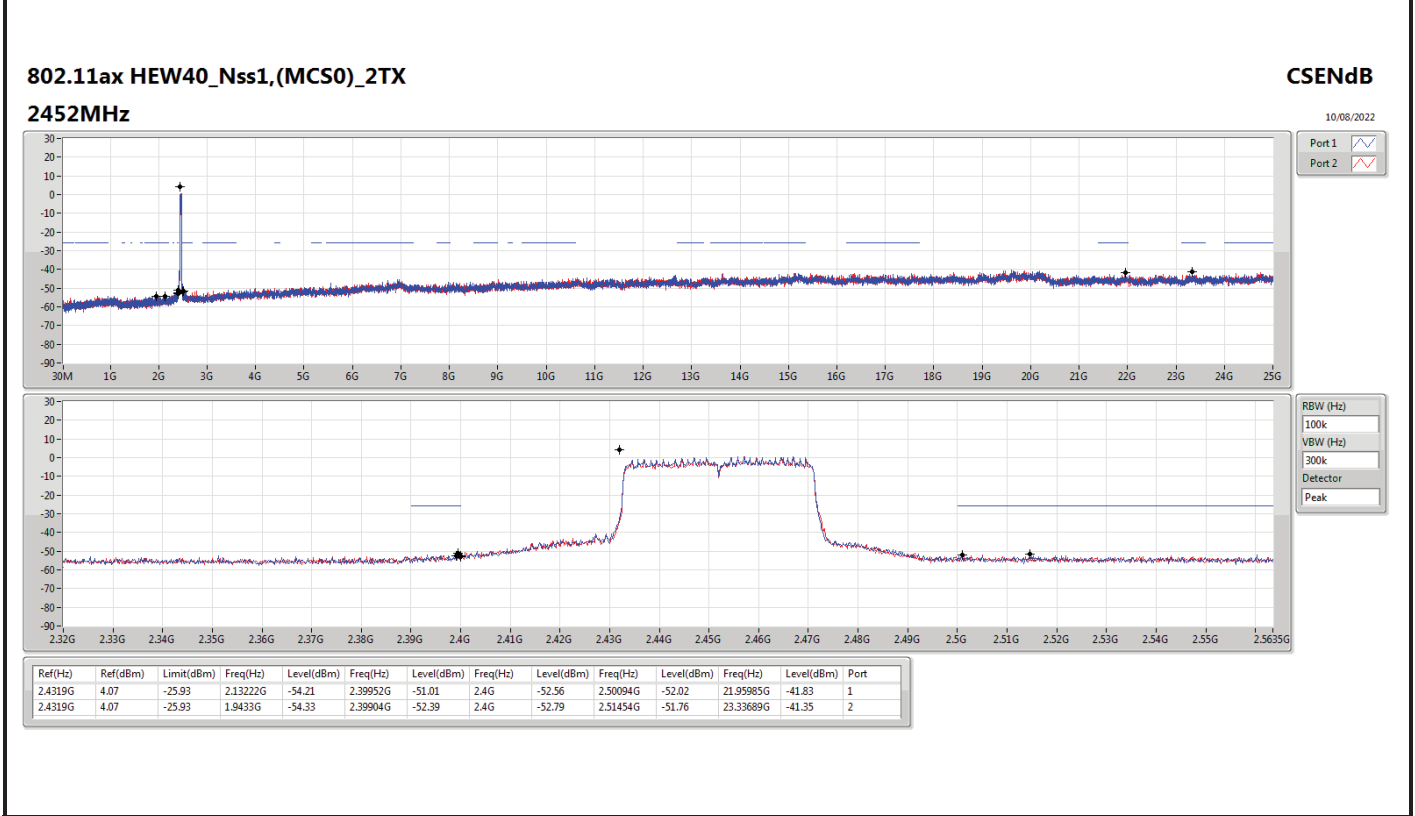
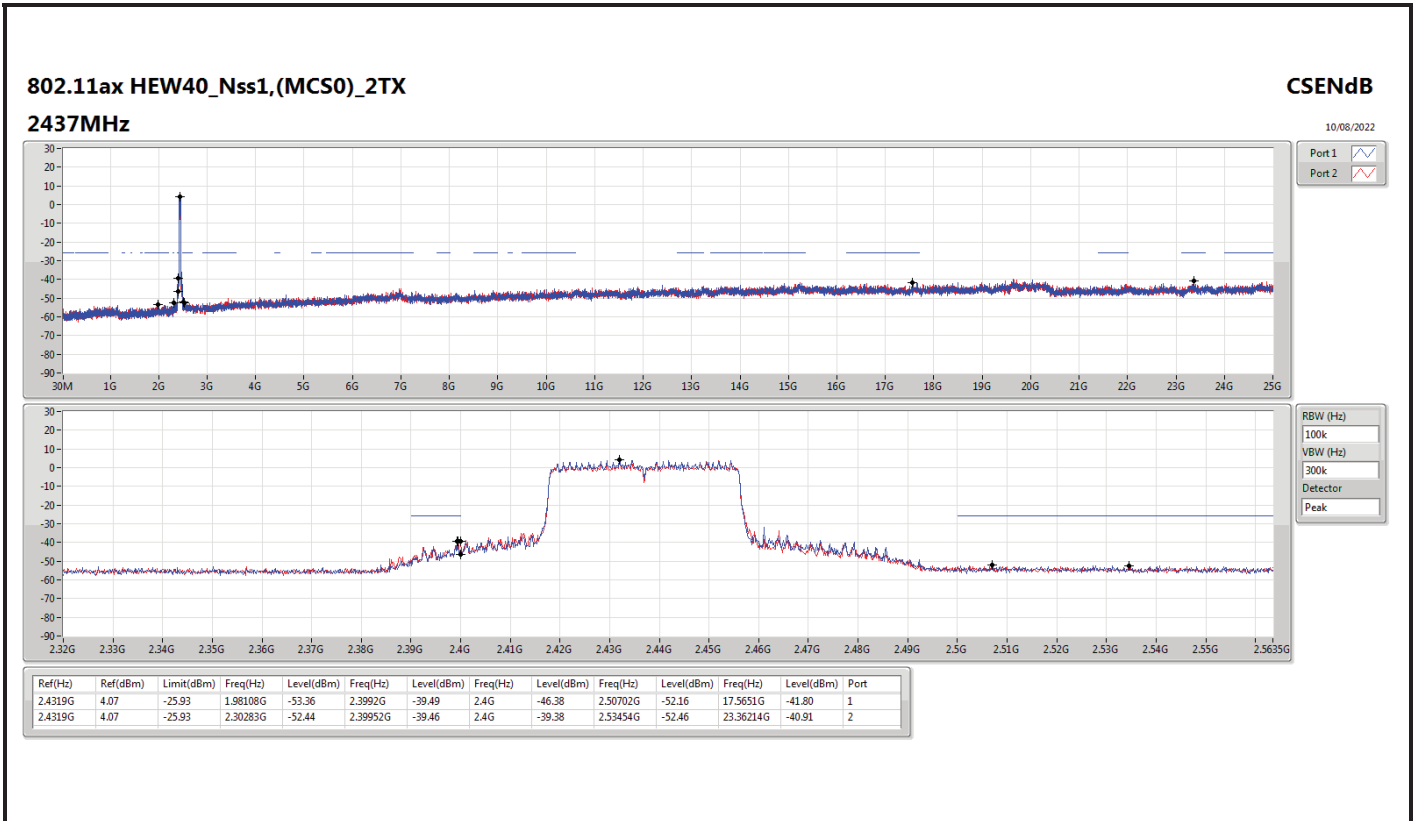














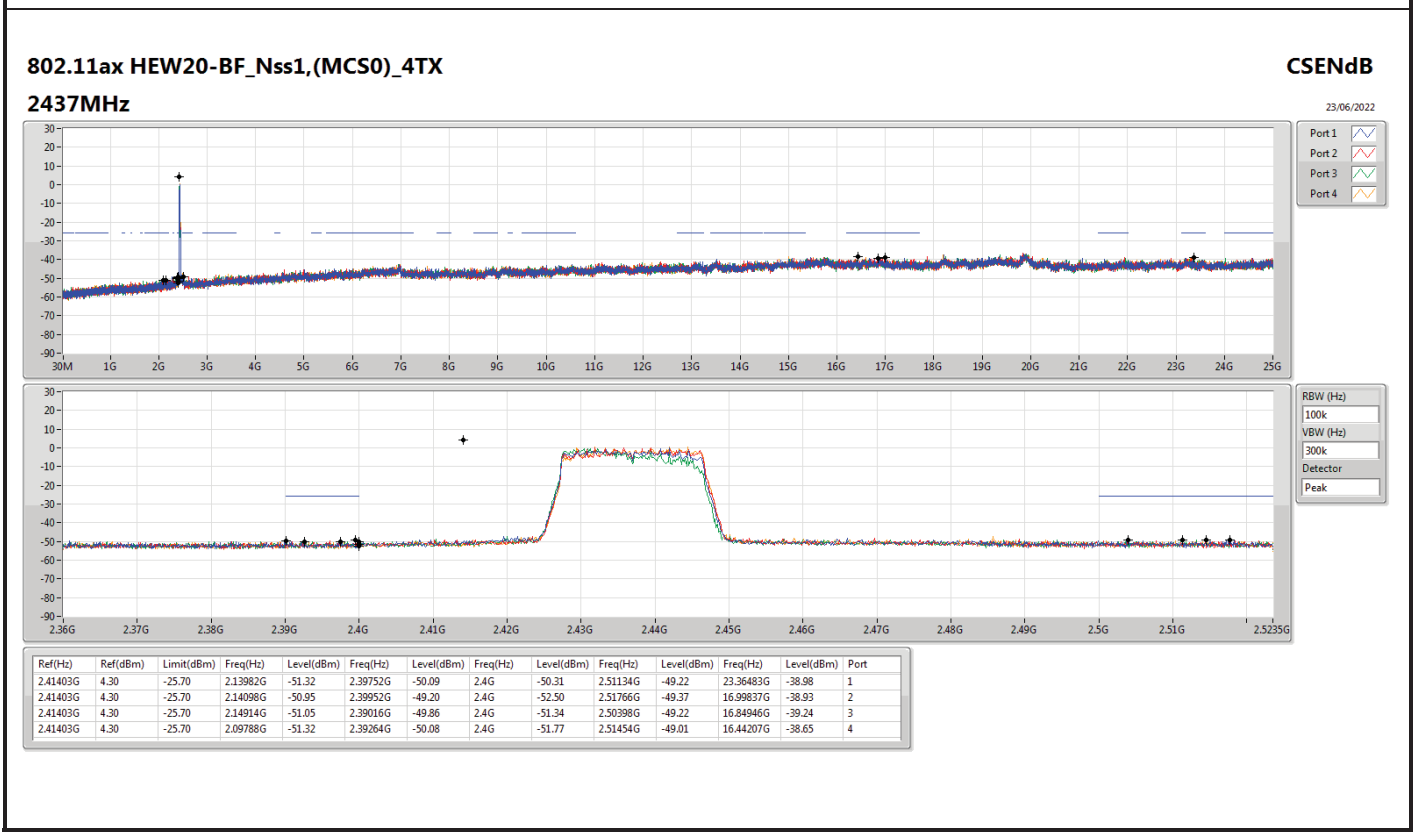
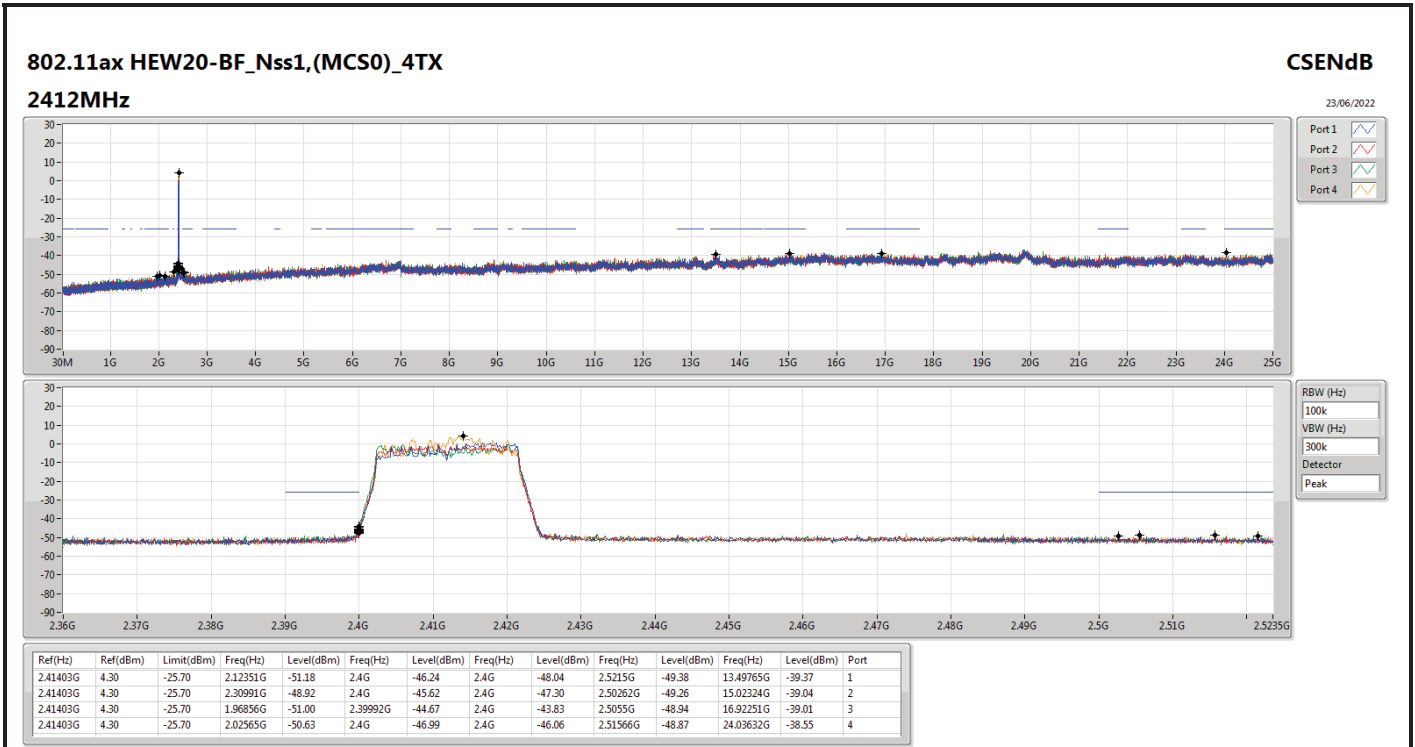
Summary

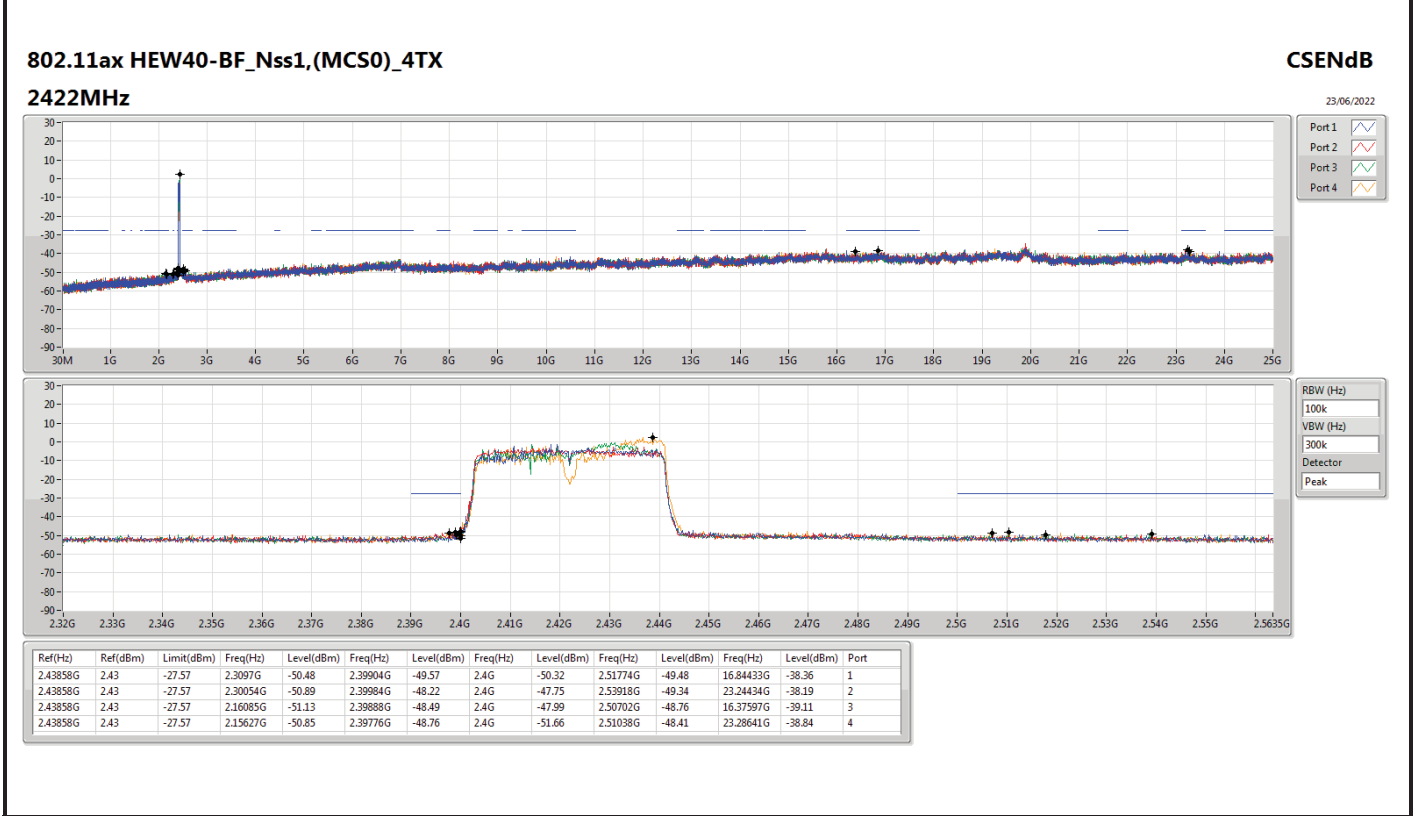
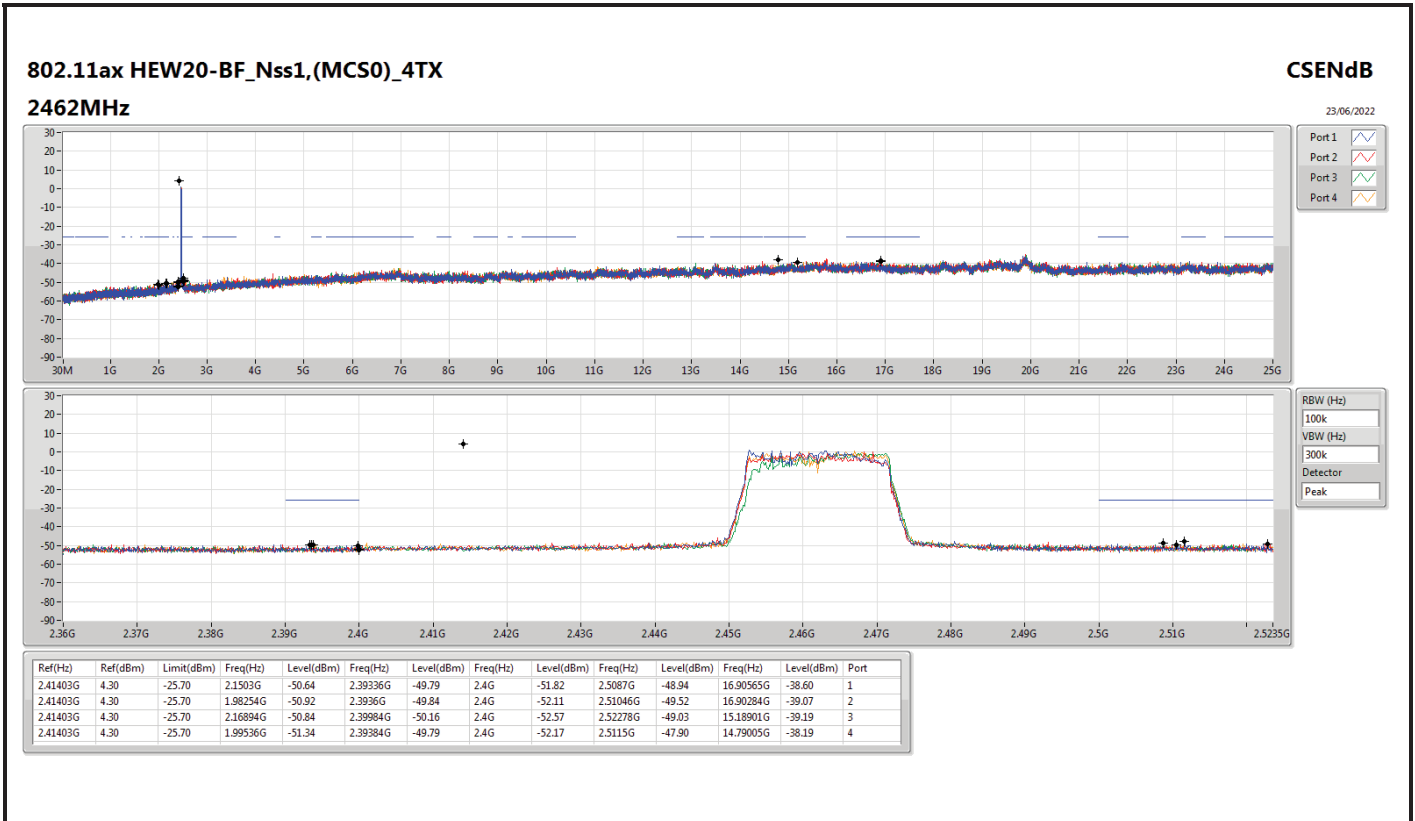
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	Pass	2.41403G	4.30	-25.70	1.96856G	-51.00	2.39992G	-44.67	2.4G	-43.83	2.5055G	-48.94	16.92251G	-39.01	3
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	Pass	2.43858G	2.43	-27.57	2.30054G	-50.89	2.39984G	-48.22	2.4G	-47.75	2.53918G	-49.34	23.24434G	-38.19	2

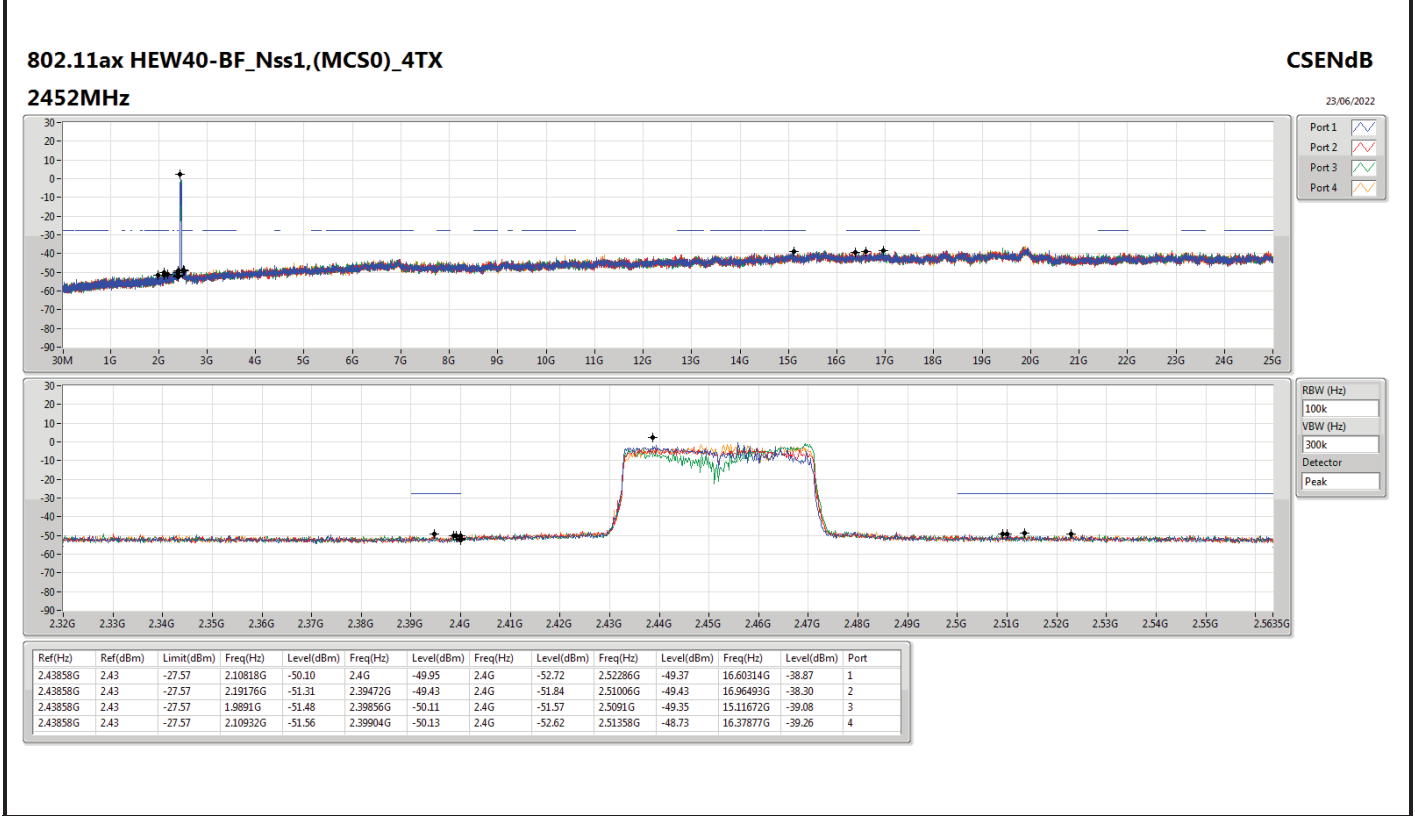
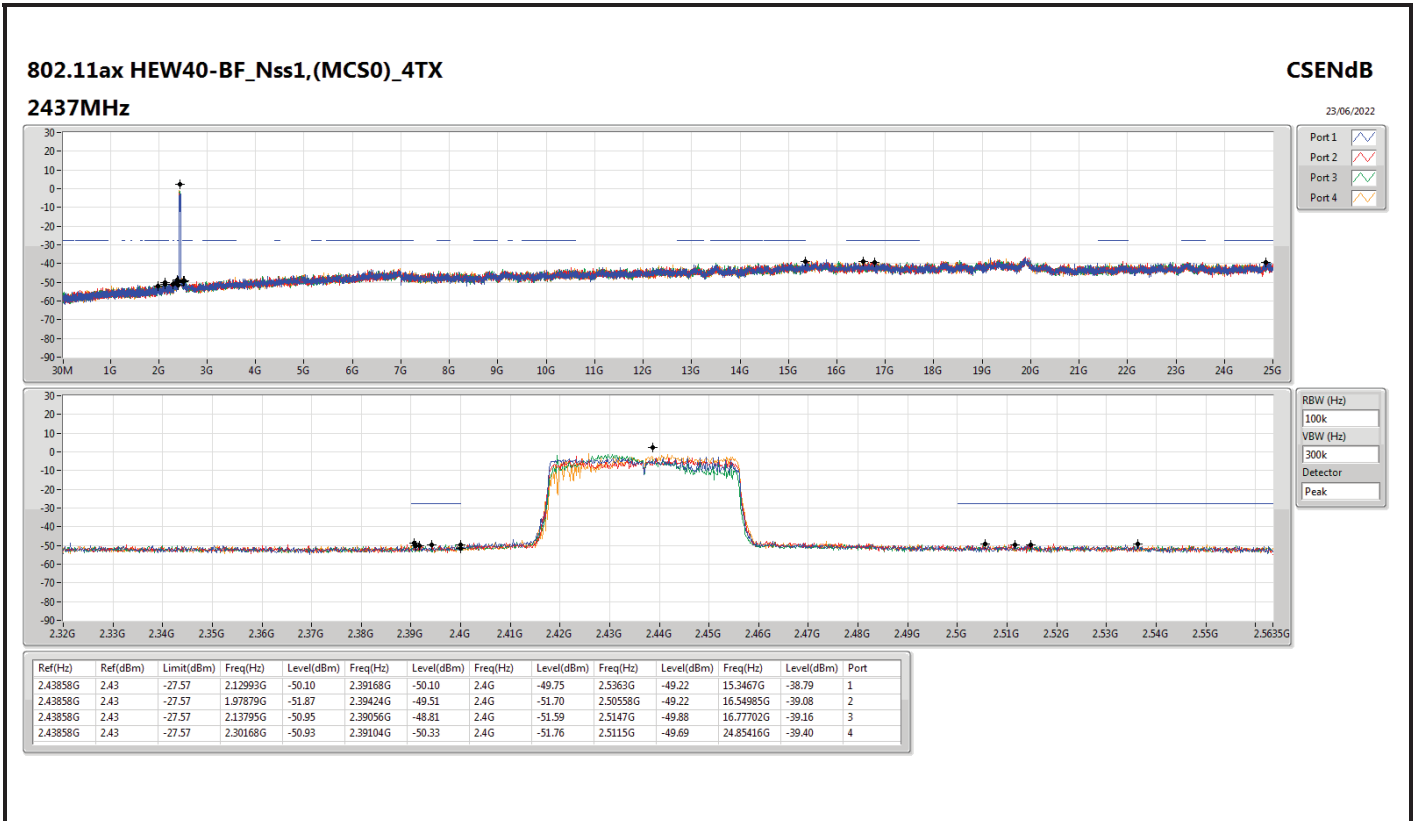


Result

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
802.11ax HEW20-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.41403G	4.30	-25.70	2.12351G	-51.18	2.4G	-46.24	2.4G	-48.04	2.5215G	-49.38	13.49765G	-39.37	1
2412MHz	Pass	2.41403G	4.30	-25.70	2.30991G	-48.92	2.4G	-45.62	2.4G	-47.30	2.50262G	-49.26	15.02324G	-39.04	2
2412MHz	Pass	2.41403G	4.30	-25.70	1.96856G	-51.00	2.39992G	-44.67	2.4G	-43.83	2.5055G	-48.94	16.92251G	-39.01	3
2412MHz	Pass	2.41403G	4.30	-25.70	2.02565G	-50.63	2.4G	-46.99	2.4G	-46.06	2.51566G	-48.87	24.03632G	-38.55	4
2437MHz	Pass	2.41403G	4.30	-25.70	2.13982G	-51.32	2.39752G	-50.09	2.4G	-50.31	2.51134G	-49.22	23.36483G	-38.98	1
2437MHz	Pass	2.41403G	4.30	-25.70	2.14098G	-50.95	2.39952G	-49.20	2.4G	-52.50	2.51766G	-49.37	16.99837G	-38.93	2
2437MHz	Pass	2.41403G	4.30	-25.70	2.14914G	-51.05	2.39016G	-49.86	2.4G	-51.34	2.50398G	-49.22	16.84946G	-39.24	3
2437MHz	Pass	2.41403G	4.30	-25.70	2.09788G	-51.32	2.39264G	-50.08	2.4G	-51.77	2.51454G	-49.01	16.44207G	-38.65	4
2462MHz	Pass	2.41403G	4.30	-25.70	2.1503G	-50.64	2.39336G	-49.79	2.4G	-51.82	2.5087G	-48.94	16.90565G	-38.60	1
2462MHz	Pass	2.41403G	4.30	-25.70	1.98254G	-50.92	2.3936G	-49.84	2.4G	-52.11	2.51046G	-49.52	16.90284G	-39.07	2
2462MHz	Pass	2.41403G	4.30	-25.70	2.16894G	-50.84	2.39984G	-50.16	2.4G	-52.57	2.52278G	-49.03	15.18901G	-39.19	3
2462MHz	Pass	2.41403G	4.30	-25.70	1.99536G	-51.34	2.39384G	-49.79	2.4G	-52.17	2.5115G	-47.90	14.79005G	-38.19	4
802.11ax HEW40-BF_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43858G	2.43	-27.57	2.3097G	-50.48	2.39904G	-49.57	2.4G	-50.32	2.51774G	-49.48	16.84433G	-38.36	1
2422MHz	Pass	2.43858G	2.43	-27.57	2.30054G	-50.89	2.39984G	-48.22	2.4G	-47.75	2.53918G	-49.34	23.24434G	-38.19	2
2422MHz	Pass	2.43858G	2.43	-27.57	2.16085G	-51.13	2.39888G	-48.49	2.4G	-47.99	2.50702G	-48.76	16.37597G	-39.11	3
2422MHz	Pass	2.43858G	2.43	-27.57	2.15627G	-50.85	2.39776G	-48.76	2.4G	-51.66	2.51038G	-48.41	23.28641G	-38.84	4
2437MHz	Pass	2.43858G	2.43	-27.57	2.12993G	-50.10	2.39168G	-50.10	2.4G	-49.75	2.5363G	-49.22	15.3467G	-38.79	1
2437MHz	Pass	2.43858G	2.43	-27.57	1.97879G	-51.87	2.39424G	-49.51	2.4G	-51.70	2.50558G	-49.22	16.54985G	-39.08	2
2437MHz	Pass	2.43858G	2.43	-27.57	2.13795G	-50.95	2.39056G	-48.81	2.4G	-51.59	2.5147G	-49.88	16.77702G	-39.16	3
2437MHz	Pass	2.43858G	2.43	-27.57	2.30168G	-50.93	2.39104G	-50.33	2.4G	-51.76	2.5115G	-49.69	24.85416G	-39.40	4
2452MHz	Pass	2.43858G	2.43	-27.57	2.10818G	-50.10	2.4G	-49.95	2.4G	-52.72	2.52286G	-49.37	16.60314G	-38.87	1
2452MHz	Pass	2.43858G	2.43	-27.57	2.19176G	-51.31	2.39472G	-49.43	2.4G	-51.84	2.51006G	-49.43	16.96493G	-38.30	2
2452MHz	Pass	2.43858G	2.43	-27.57	1.9891G	-51.48	2.39856G	-50.11	2.4G	-51.57	2.5091G	-49.35	15.11672G	-39.08	3
2452MHz	Pass	2.43858G	2.43	-27.57	2.10932G	-51.56	2.39904G	-50.13	2.4G	-52.62	2.51358G	-48.73	16.37877G	-39.26	4









Summary

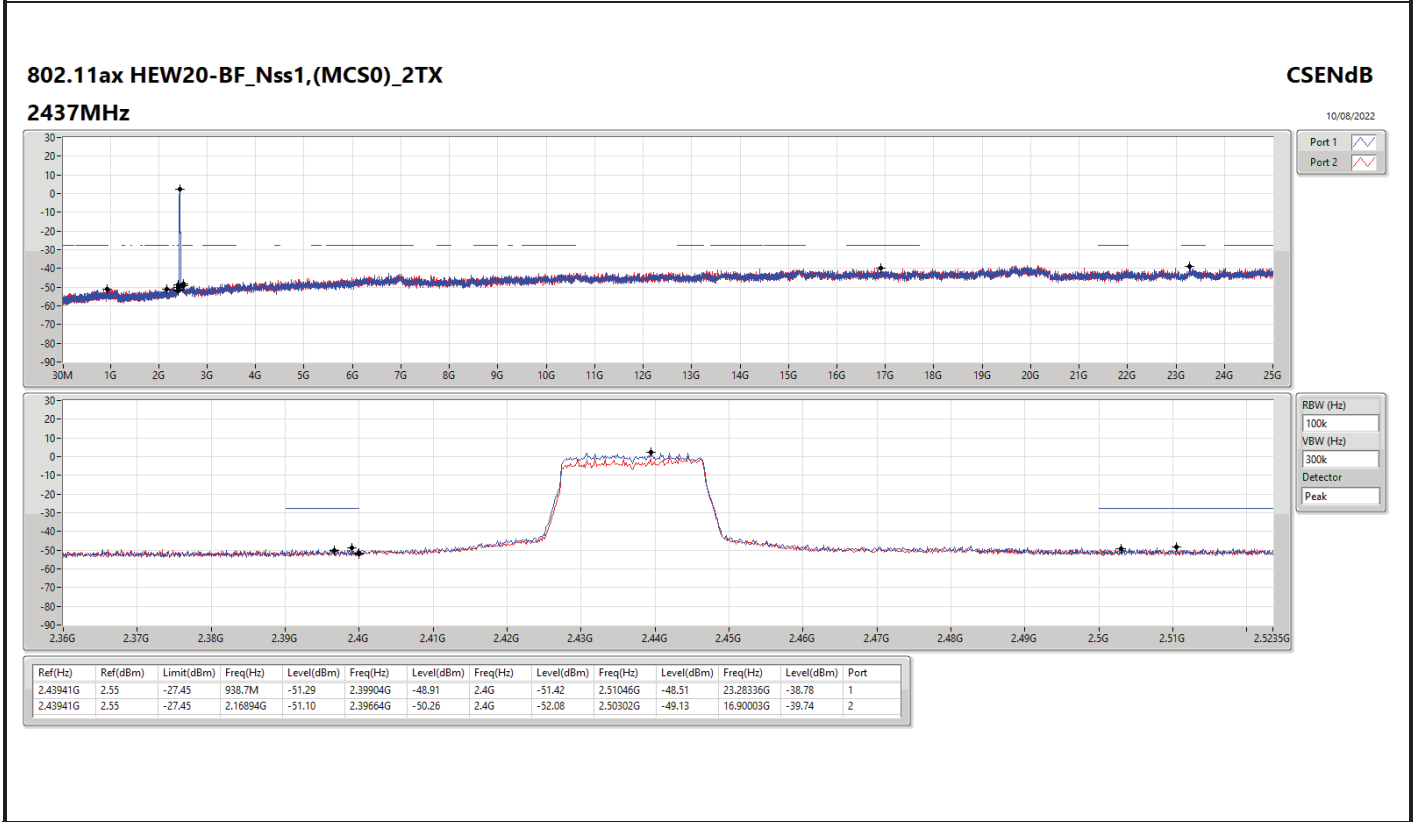
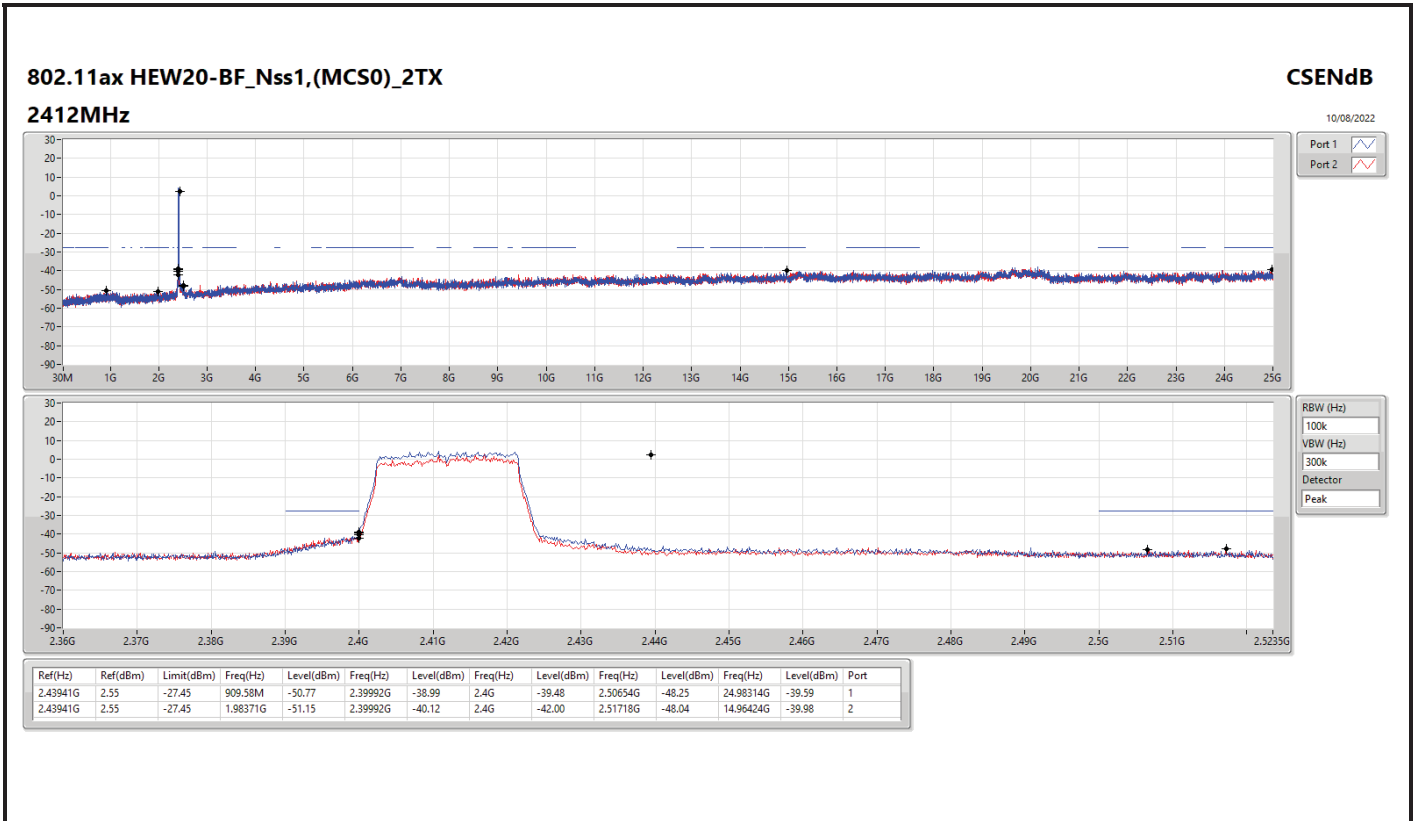
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	Pass	2.43941G	2.55	-27.45	909.58M	-50.77	2.39992G	-38.99	2.4G	-39.48	2.50654G	-48.25	24.98314G	-39.59	1
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	Pass	2.4344G	4.36	-25.64	2.16199G	-52.94	2.39952G	-40.42	2.4G	-45.17	2.52398G	-50.54	24.23155G	-39.83	2

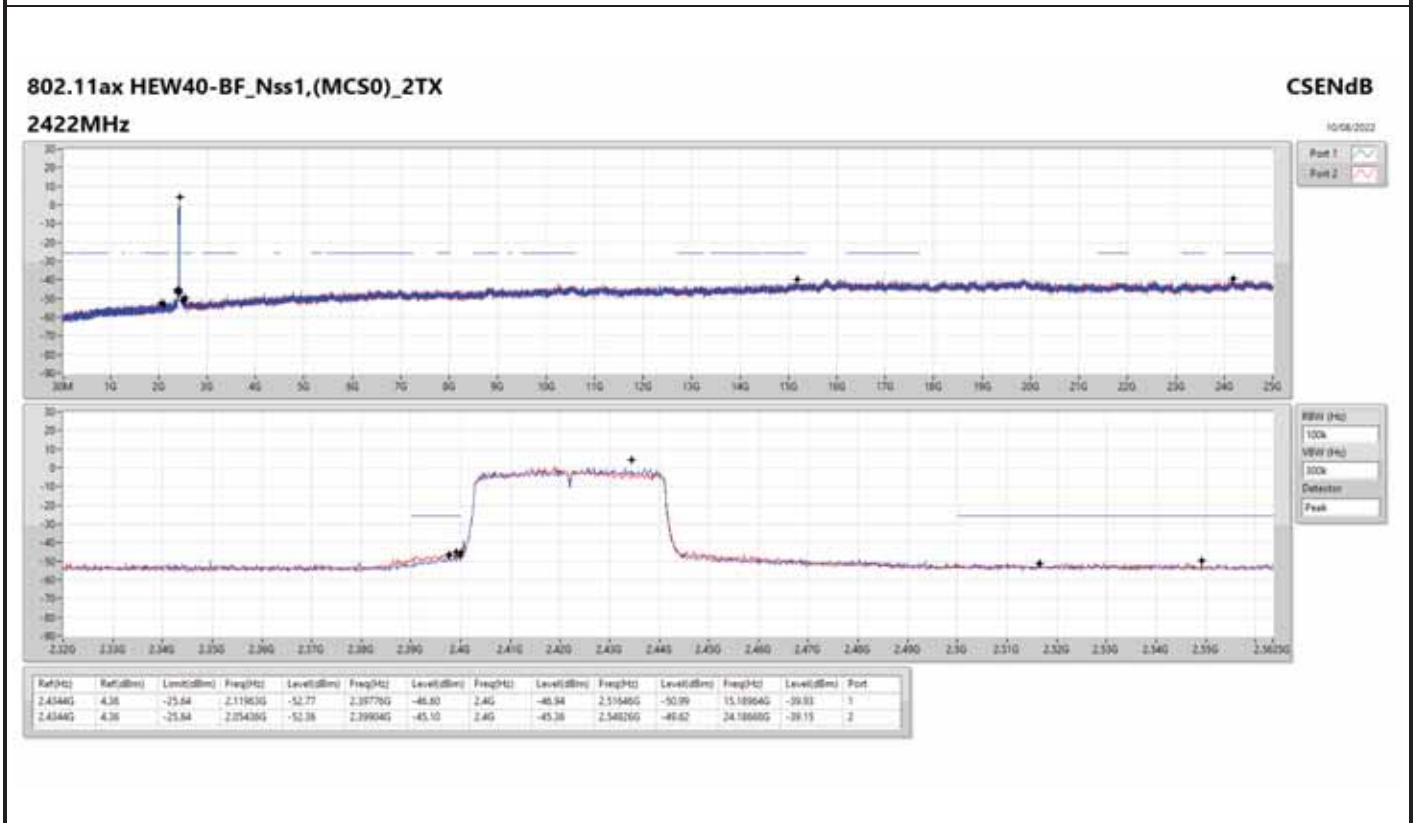
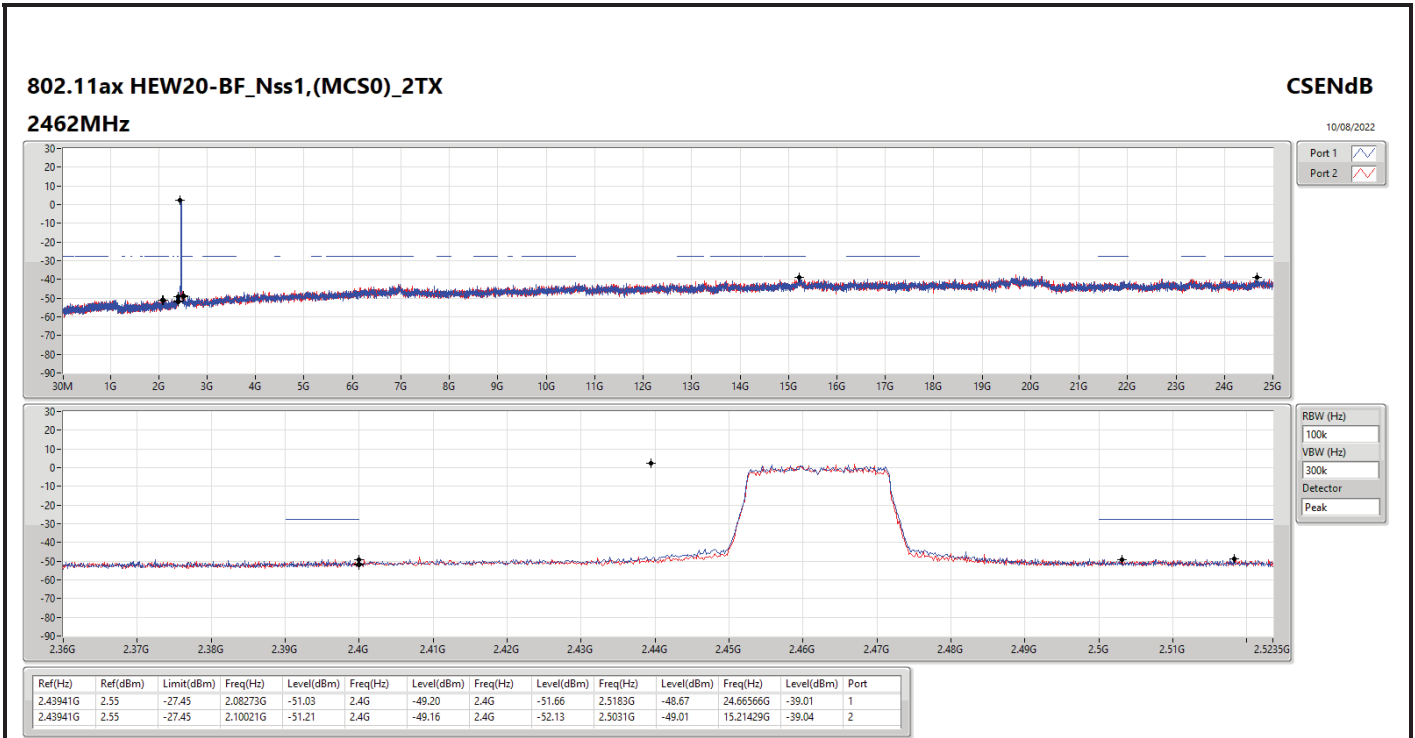


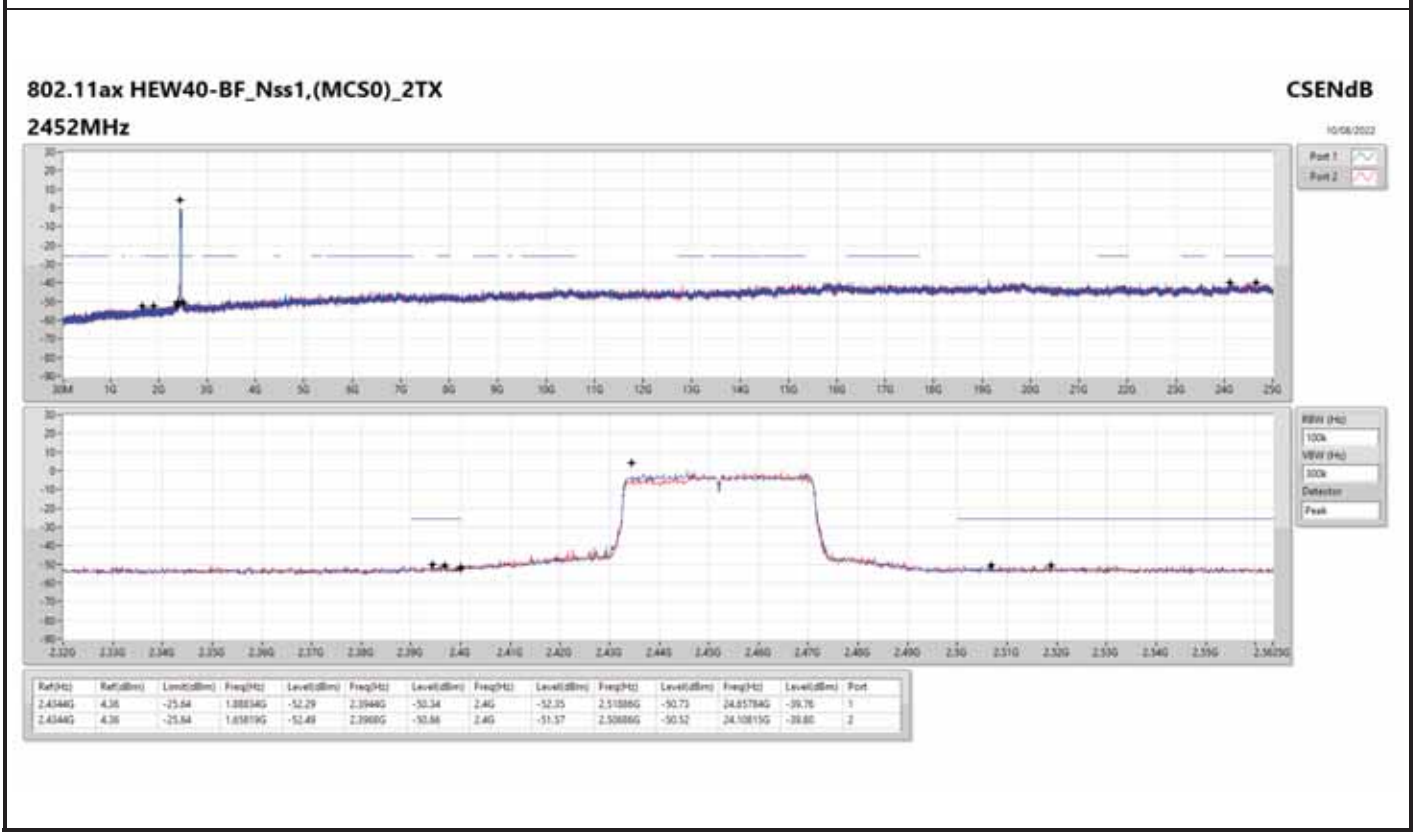
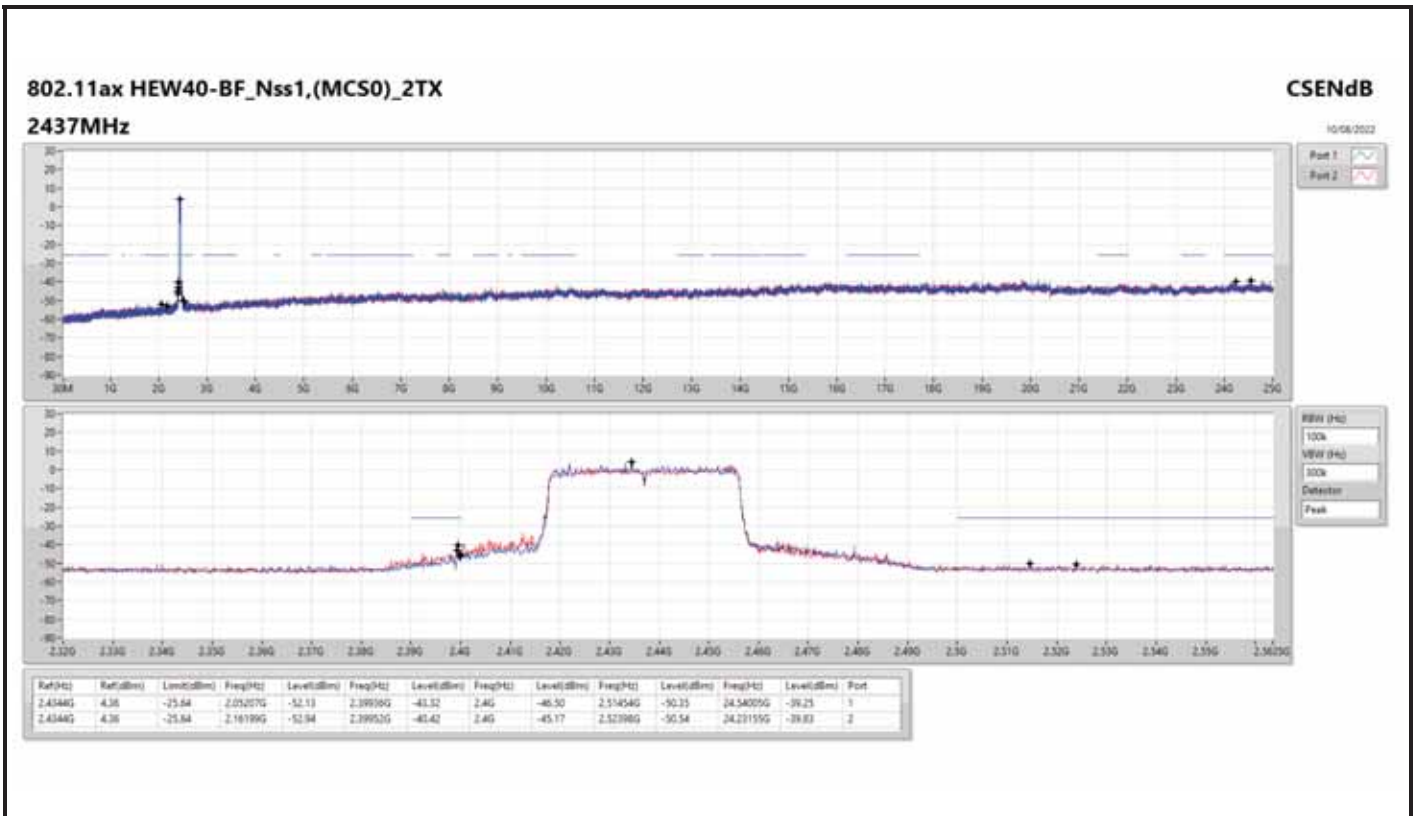
Result

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
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43941G	2.55	-27.45	909.58M	-50.77	2.39992G	-38.99	2.4G	-39.48	2.50654G	-48.25	24.98314G	-39.59	1
2412MHz	Pass	2.43941G	2.55	-27.45	1.98371G	-51.15	2.39992G	-40.12	2.4G	-42.00	2.51718G	-48.04	14.96424G	-39.98	2
2437MHz	Pass	2.43941G	2.55	-27.45	938.7M	-51.29	2.39904G	-48.91	2.4G	-51.42	2.51046G	-48.51	23.28336G	-38.78	1
2437MHz	Pass	2.43941G	2.55	-27.45	2.16894G	-51.10	2.39664G	-50.26	2.4G	-52.08	2.50302G	-49.13	16.90003G	-39.74	2
2462MHz	Pass	2.43941G	2.55	-27.45	2.08273G	-51.03	2.4G	-49.20	2.4G	-51.66	2.5183G	-48.67	24.66566G	-39.01	1
2462MHz	Pass	2.43941G	2.55	-27.45	2.10021G	-51.21	2.4G	-49.16	2.4G	-52.13	2.5031G	-49.01	15.21429G	-39.04	2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4344G	4.36	-25.64	2.11963G	-52.77	2.39776G	-46.60	2.4G	-46.94	2.51646G	-50.99	15.18964G	-39.93	1
2422MHz	Pass	2.4344G	4.36	-25.64	2.05436G	-52.36	2.39904G	-45.10	2.4G	-45.36	2.54926G	-49.62	24.18668G	-39.15	2
2437MHz	Pass	2.4344G	4.36	-25.64	2.05207G	-52.13	2.39936G	-43.32	2.4G	-46.50	2.51454G	-50.35	24.54005G	-39.25	1
2437MHz	Pass	2.4344G	4.36	-25.64	2.16199G	-52.94	2.39952G	-40.42	2.4G	-45.17	2.52398G	-50.54	24.23155G	-39.83	2
2452MHz	Pass	2.4344G	4.36	-25.64	1.88834G	-52.29	2.3944G	-50.34	2.4G	-52.35	2.51886G	-50.73	24.65784G	-39.76	1
2452MHz	Pass	2.4344G	4.36	-25.64	1.65819G	-52.49	2.3968G	-50.66	2.4G	-51.57	2.50686G	-50.52	24.10815G	-39.80	2











Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	PK	45.52M	29.04	40.00	-10.96	3	Vertical	360	1.00	-



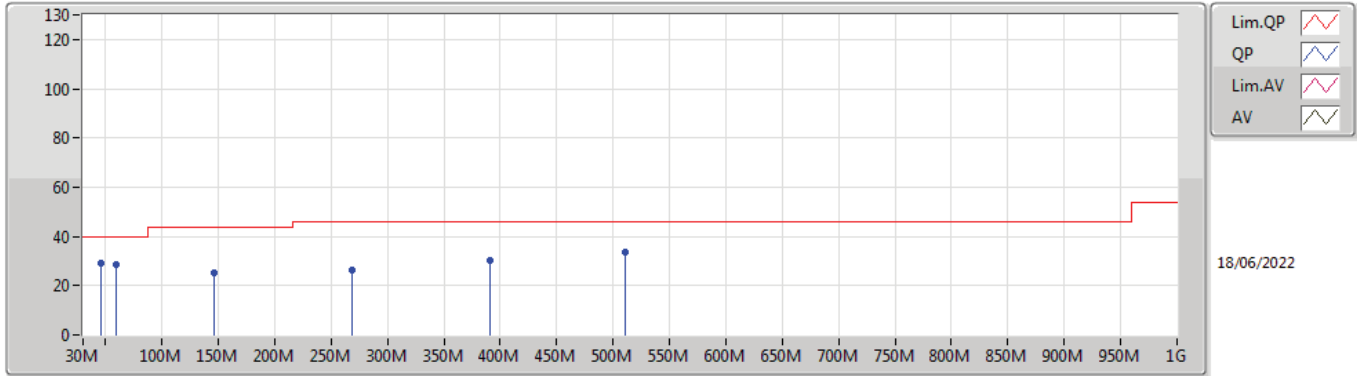
Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11ax HEW40_Nss1,(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2437MHz	Pass	PK	45.52M	29.04	40.00	-10.96	3	Vertical	360	1.00	-
2437MHz	Pass	PK	59.1M	28.41	40.00	-11.59	3	Vertical	360	1.00	-
2437MHz	Pass	PK	146.4M	25.11	43.50	-18.39	3	Vertical	360	1.00	-
2437MHz	Pass	PK	268.62M	26.15	46.00	-19.85	3	Vertical	360	1.00	-
2437MHz	Pass	PK	390.84M	30.30	46.00	-15.70	3	Vertical	360	1.00	-
2437MHz	Pass	PK	511.12M	33.36	46.00	-12.64	3	Vertical	360	1.00	-
2437MHz	Pass	PK	30M	23.83	40.00	-16.17	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	146.4M	25.54	43.50	-17.96	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	218.18M	29.95	46.00	-16.05	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	274.44M	33.35	46.00	-12.65	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	346.22M	28.85	46.00	-17.15	3	Horizontal	0	1.00	-
2437MHz	Pass	PK	509.18M	28.27	46.00	-17.73	3	Horizontal	0	1.00	-



802.11ax HEW40\_Nss1,(MCS0)\_4TX

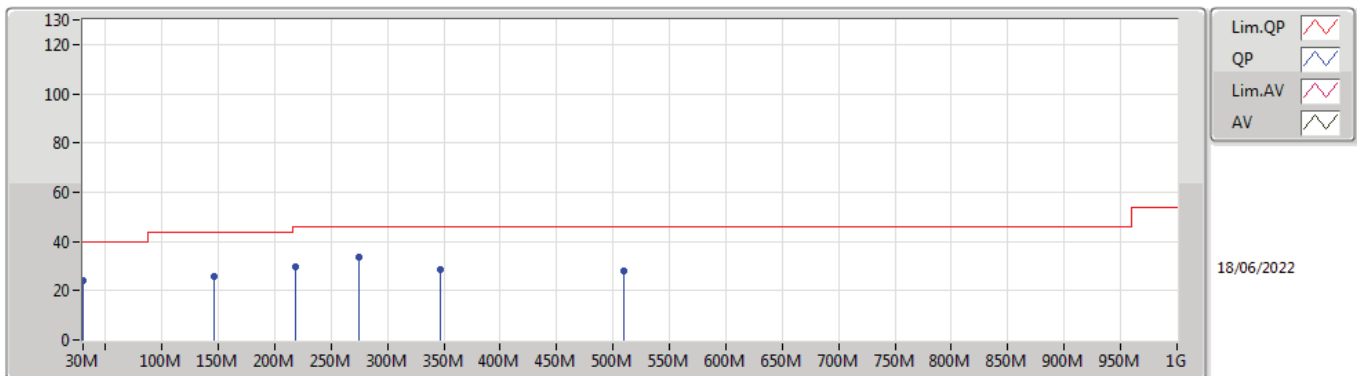
2437MHz\_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	45.52M	29.04	40.00	-10.96	-11.39	3	Vertical	360	1.00	-	40.43	15.03	1.09	27.51
PK	59.1M	28.41	40.00	-11.59	-14.58	3	Vertical	360	1.00	-	42.99	11.66	1.25	27.49
PK	146.4M	25.11	43.50	-18.39	-9.49	3	Vertical	360	1.00	-	34.60	15.69	1.98	27.16
PK	268.62M	26.15	46.00	-19.85	-5.97	3	Vertical	360	1.00	-	32.12	17.94	2.74	26.65
PK	390.84M	30.30	46.00	-15.70	-3.24	3	Vertical	360	1.00	-	33.54	20.55	3.34	27.13
PK	511.12M	33.36	46.00	-12.64	-1.17	3	Vertical	360	1.00	-	34.53	22.80	3.85	27.82

802.11ax HEW40\_Nss1,(MCS0)\_4TX

2437MHz\_PoE



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
PK	30M	23.83	40.00	-16.17	-2.94	3	Horizontal	0	1.00	-	26.77	23.76	0.88	27.58
PK	146.4M	25.54	43.50	-17.96	-9.49	3	Horizontal	0	1.00	-	35.03	15.69	1.98	27.16
PK	218.18M	29.95	46.00	-16.05	-10.25	3	Horizontal	0	1.00	-	40.20	14.11	2.45	26.81
PK	274.44M	33.35	46.00	-12.65	-6.10	3	Horizontal	0	1.00	-	39.45	17.78	2.77	26.65
PK	346.22M	28.85	46.00	-17.15	-4.44	3	Horizontal	0	1.00	-	33.29	19.28	3.12	26.84
PK	509.18M	28.27	46.00	-17.73	-1.18	3	Horizontal	0	1.00	-	29.45	22.79	3.84	27.81



Summary

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_4TX	Pass	AV	7.30968G	52.94	54.00	-1.06	3	Horizontal	320	1.50	-
802.11g_Nss1,(6Mbps)_4TX	Pass	PK	2.4835G	72.88	74.00	-1.12	3	Horizontal	355	1.94	-
802.11ax HEW20_Nss1,(MCS0)_4TX	Pass	AV	2.4838G	52.88	54.00	-1.12	3	Horizontal	7	1.50	-
802.11ax HEW40_Nss1,(MCS0)_4TX	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Horizontal	0	1.76	-



Result

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
802.11b_Nss1,(1Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	52.06	54.00	-1.94	3	Vertical	3	1.50	-
2412MHz	Pass	AV	2.4128G	123.45	Inf	-Inf	3	Vertical	3	1.50	-
2412MHz	Pass	PK	2.3884G	63.76	74.00	-10.24	3	Vertical	3	1.50	-
2412MHz	Pass	PK	2.4128G	125.80	Inf	-Inf	3	Vertical	3	1.50	-
2412MHz	Pass	AV	2.3886G	52.43	54.00	-1.57	3	Horizontal	18	1.29	-
2412MHz	Pass	AV	2.4128G	122.09	Inf	-Inf	3	Horizontal	18	1.29	-
2412MHz	Pass	PK	2.3884G	62.53	74.00	-11.47	3	Horizontal	18	1.29	-
2412MHz	Pass	PK	2.4128G	124.60	Inf	-Inf	3	Horizontal	18	1.29	-
2412MHz	Pass	AV	4.82396G	51.81	54.00	-2.19	3	Vertical	351	1.47	-
2412MHz	Pass	PK	4.82396G	54.53	74.00	-19.47	3	Vertical	351	1.47	-
2412MHz	Pass	AV	4.82392G	49.21	54.00	-4.79	3	Horizontal	0	1.74	-
2412MHz	Pass	PK	4.82392G	52.80	74.00	-21.20	3	Horizontal	0	1.74	-
2437MHz	Pass	AV	2.389G	49.16	54.00	-4.84	3	Vertical	341	1.46	-
2437MHz	Pass	AV	2.4362G	122.92	Inf	-Inf	3	Vertical	341	1.46	-
2437MHz	Pass	AV	2.4835G	50.29	54.00	-3.71	3	Vertical	341	1.46	-
2437MHz	Pass	PK	2.389G	60.36	74.00	-13.64	3	Vertical	341	1.46	-
2437MHz	Pass	PK	2.4362G	125.22	Inf	-Inf	3	Vertical	341	1.46	-
2437MHz	Pass	PK	2.4838G	61.56	74.00	-12.44	3	Vertical	341	1.46	-
2437MHz	Pass	AV	2.3894G	49.69	54.00	-4.31	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	2.4362G	123.04	Inf	-Inf	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	2.4838G	51.91	54.00	-2.09	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	2.3894G	61.52	74.00	-12.48	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	2.4362G	125.34	Inf	-Inf	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	2.4835G	63.26	74.00	-10.74	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	4.87392G	43.50	54.00	-10.50	3	Vertical	353	1.50	-
2437MHz	Pass	AV	7.31264G	52.65	54.00	-1.35	3	Vertical	354	1.50	-
2437MHz	Pass	PK	4.87396G	48.70	74.00	-25.30	3	Vertical	353	1.50	-
2437MHz	Pass	PK	7.31228G	57.81	74.00	-16.19	3	Vertical	354	1.50	-
2437MHz	Pass	AV	4.87392G	44.06	54.00	-9.94	3	Horizontal	5	1.31	-
2437MHz	Pass	AV	7.30968G	52.94	54.00	-1.06	3	Horizontal	320	1.50	-
2437MHz	Pass	PK	4.874G	48.65	74.00	-25.35	3	Horizontal	5	1.31	-
2437MHz	Pass	PK	7.30956G	58.07	74.00	-15.93	3	Horizontal	320	1.50	-
2457MHz	Pass	AV	2.4578G	122.68	Inf	-Inf	3	Vertical	360	1.60	-
2457MHz	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Vertical	360	1.60	-
2457MHz	Pass	PK	2.4578G	125.04	Inf	-Inf	3	Vertical	360	1.60	-
2457MHz	Pass	PK	2.4838G	64.27	74.00	-9.73	3	Vertical	360	1.60	-
2457MHz	Pass	AV	2.4578G	121.71	Inf	-Inf	3	Horizontal	360	1.14	-
2457MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	3	Horizontal	360	1.14	-
2457MHz	Pass	PK	2.4578G	124.08	Inf	-Inf	3	Horizontal	360	1.14	-
2457MHz	Pass	PK	2.4856G	64.31	74.00	-9.69	3	Horizontal	360	1.14	-
2457MHz	Pass	AV	4.91392G	48.36	54.00	-5.64	3	Vertical	353	1.50	-
2457MHz	Pass	AV	7.37204G	41.72	54.00	-12.28	3	Vertical	360	1.50	-
2457MHz	Pass	PK	4.91396G	51.97	74.00	-22.03	3	Vertical	353	1.50	-
2457MHz	Pass	PK	7.37176G	51.53	74.00	-22.47	3	Vertical	360	1.50	-
2457MHz	Pass	AV	4.91396G	50.25	54.00	-3.75	3	Horizontal	360	1.50	-
2457MHz	Pass	AV	7.37224G	46.56	54.00	-7.44	3	Horizontal	321	1.50	-
2457MHz	Pass	PK	4.91396G	53.42	74.00	-20.58	3	Horizontal	360	1.50	-
2457MHz	Pass	PK	7.37244G	54.23	74.00	-19.77	3	Horizontal	321	1.50	-
2462MHz	Pass	AV	2.4612G	122.13	Inf	-Inf	3	Vertical	7	1.17	-
2462MHz	Pass	AV	2.4836G	52.88	54.00	-1.12	3	Vertical	7	1.17	-
2462MHz	Pass	PK	2.461G	124.47	Inf	-Inf	3	Vertical	7	1.17	-
2462MHz	Pass	PK	2.4838G	64.75	74.00	-9.25	3	Vertical	7	1.17	-
2462MHz	Pass	AV	2.4612G	121.13	Inf	-Inf	3	Horizontal	19	1.65	-
2462MHz	Pass	AV	2.4838G	52.75	54.00	-1.25	3	Horizontal	19	1.65	-
2462MHz	Pass	PK	2.461G	123.48	Inf	-Inf	3	Horizontal	19	1.65	-
2462MHz	Pass	PK	2.4844G	64.17	74.00	-9.83	3	Horizontal	19	1.65	-
2462MHz	Pass	AV	4.92392G	47.32	54.00	-6.68	3	Vertical	354	1.50	-
2462MHz	Pass	AV	7.38464G	43.30	54.00	-10.70	3	Vertical	322	1.50	-
2462MHz	Pass	PK	4.92392G	51.16	74.00	-22.84	3	Vertical	354	1.50	-
2462MHz	Pass	PK	7.3856G	51.91	74.00	-22.09	3	Vertical	322	1.50	-





RSE TX above 1GHz\_Non-Beamforming\_Radio 1

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	4.92396G	50.89	54.00	-3.11	3	Horizontal	360	1.30	-
2462MHz	Pass	AV	7.38472G	44.76	54.00	-9.24	3	Horizontal	306	1.50	-
2462MHz	Pass	PK	4.92392G	54.04	74.00	-19.96	3	Horizontal	360	1.30	-
2462MHz	Pass	PK	7.38716G	53.07	74.00	-20.93	3	Horizontal	306	1.50	-
802.11g_Nss1,(6Mbps)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.39G	51.24	54.00	-2.76	3	Vertical	5	1.48	-
2412MHz	Pass	AV	2.4112G	110.66	Inf	-Inf	3	Vertical	5	1.48	-
2412MHz	Pass	PK	2.39G	70.71	74.00	-3.29	3	Vertical	5	1.48	-
2412MHz	Pass	PK	2.4094G	120.49	Inf	-Inf	3	Vertical	5	1.48	-
2412MHz	Pass	AV	2.39G	51.52	54.00	-2.48	3	Horizontal	8	1.50	-
2412MHz	Pass	AV	2.416G	112.17	Inf	-Inf	3	Horizontal	8	1.50	-
2412MHz	Pass	PK	2.39G	71.92	74.00	-2.08	3	Horizontal	8	1.50	-
2412MHz	Pass	PK	2.417G	120.08	Inf	-Inf	3	Horizontal	8	1.50	-
2412MHz	Pass	AV	4.82392G	33.13	54.00	-20.87	3	Vertical	351	1.38	-
2412MHz	Pass	PK	4.82428G	44.78	74.00	-29.22	3	Vertical	351	1.38	-
2412MHz	Pass	AV	4.82616G	32.63	54.00	-21.37	3	Horizontal	0	1.50	-
2412MHz	Pass	PK	4.8242G	45.01	74.00	-28.99	3	Horizontal	0	1.50	-
2417MHz	Pass	AV	2.39G	52.31	54.00	-1.69	3	Vertical	360	1.46	-
2417MHz	Pass	AV	2.4178G	114.03	Inf	-Inf	3	Vertical	360	1.46	-
2417MHz	Pass	PK	2.39G	69.70	74.00	-4.30	3	Vertical	360	1.46	-
2417MHz	Pass	PK	2.4176G	122.76	Inf	-Inf	3	Vertical	360	1.46	-
2417MHz	Pass	AV	2.39G	52.44	54.00	-1.56	3	Horizontal	356	1.50	-
2417MHz	Pass	AV	2.419G	115.24	Inf	-Inf	3	Horizontal	356	1.50	-
2417MHz	Pass	PK	2.3894G	70.05	74.00	-3.95	3	Horizontal	356	1.50	-
2417MHz	Pass	PK	2.4192G	123.69	Inf	-Inf	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	2.3898G	51.24	54.00	-2.76	3	Vertical	0	1.62	-
2437MHz	Pass	AV	2.4294G	114.98	Inf	-Inf	3	Vertical	0	1.62	-
2437MHz	Pass	AV	2.4835G	52.34	54.00	-1.66	3	Vertical	0	1.62	-
2437MHz	Pass	PK	2.3886G	67.18	74.00	-6.82	3	Vertical	0	1.62	-
2437MHz	Pass	PK	2.4302G	123.73	Inf	-Inf	3	Vertical	0	1.62	-
2437MHz	Pass	PK	2.4838G	65.99	74.00	-8.01	3	Vertical	0	1.62	-
2437MHz	Pass	AV	2.3898G	52.06	54.00	-1.94	3	Horizontal	9	1.50	-
2437MHz	Pass	AV	2.4322G	115.62	Inf	-Inf	3	Horizontal	9	1.50	-
2437MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	3	Horizontal	9	1.50	-
2437MHz	Pass	PK	2.3894G	68.29	74.00	-5.71	3	Horizontal	9	1.50	-
2437MHz	Pass	PK	2.4322G	124.69	Inf	-Inf	3	Horizontal	9	1.50	-
2437MHz	Pass	PK	2.4838G	65.08	74.00	-8.92	3	Horizontal	9	1.50	-
2437MHz	Pass	AV	4.87064G	33.65	54.00	-20.35	3	Vertical	0	1.12	-
2437MHz	Pass	AV	7.31456G	41.94	54.00	-12.06	3	Vertical	320	1.61	-
2437MHz	Pass	PK	4.87176G	45.32	74.00	-28.68	3	Vertical	0	1.12	-
2437MHz	Pass	PK	7.31292G	56.82	74.00	-17.18	3	Vertical	320	1.61	-
2437MHz	Pass	AV	4.87428G	33.47	54.00	-20.53	3	Horizontal	5	1.01	-
2437MHz	Pass	AV	7.31352G	42.48	54.00	-11.52	3	Horizontal	304	1.50	-
2437MHz	Pass	PK	4.86776G	45.38	74.00	-28.62	3	Horizontal	5	1.01	-
2437MHz	Pass	PK	7.31248G	58.41	74.00	-15.59	3	Horizontal	304	1.50	-
2457MHz	Pass	AV	2.4592G	112.19	Inf	-Inf	3	Vertical	0	1.57	-
2457MHz	Pass	AV	2.4835G	52.05	54.00	-1.95	3	Vertical	0	1.57	-
2457MHz	Pass	PK	2.4598G	120.87	Inf	-Inf	3	Vertical	0	1.57	-
2457MHz	Pass	PK	2.4838G	69.57	74.00	-4.43	3	Vertical	0	1.57	-
2457MHz	Pass	AV	2.4646G	112.26	Inf	-Inf	3	Horizontal	0	1.03	-
2457MHz	Pass	AV	2.4842G	52.06	54.00	-1.94	3	Horizontal	0	1.03	-
2457MHz	Pass	PK	2.4644G	119.97	Inf	-Inf	3	Horizontal	0	1.03	-
2457MHz	Pass	PK	2.4835G	71.38	74.00	-2.62	3	Horizontal	0	1.03	-
2462MHz	Pass	AV	2.4636G	111.62	Inf	-Inf	3	Vertical	0	1.59	-
2462MHz	Pass	AV	2.4835G	52.20	54.00	-1.80	3	Vertical	0	1.59	-
2462MHz	Pass	PK	2.4628G	120.29	Inf	-Inf	3	Vertical	0	1.59	-
2462MHz	Pass	PK	2.4835G	70.77	74.00	-3.23	3	Vertical	0	1.59	-
2462MHz	Pass	AV	2.466G	112.16	Inf	-Inf	3	Horizontal	355	1.94	-
2462MHz	Pass	AV	2.4835G	52.20	54.00	-1.80	3	Horizontal	355	1.94	-
2462MHz	Pass	PK	2.4658G	120.07	Inf	-Inf	3	Horizontal	355	1.94	-
2462MHz	Pass	PK	2.4835G	72.88	74.00	-1.12	3	Horizontal	355	1.94	-
2462MHz	Pass	AV	4.92388G	34.26	54.00	-19.74	3	Vertical	0	1.99	-



RSE TX above 1GHz\_Non-Beamforming\_Radio 1

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	AV	7.38604G	38.01	54.00	-15.99	3	Vertical	311	1.48	-
2462MHz	Pass	PK	4.924G	45.23	74.00	-28.77	3	Vertical	0	1.99	-
2462MHz	Pass	PK	7.37896G	49.96	74.00	-24.04	3	Vertical	311	1.48	-
2462MHz	Pass	AV	4.92404G	33.78	54.00	-20.22	3	Horizontal	0	1.84	-
2462MHz	Pass	AV	7.38592G	40.02	54.00	-13.98	3	Horizontal	43	1.54	-
2462MHz	Pass	PK	4.92388G	46.13	74.00	-27.87	3	Horizontal	0	1.84	-
2462MHz	Pass	PK	7.3858G	49.83	74.00	-24.17	3	Horizontal	43	1.54	-
802.11ax HEW20_Nss1,(MCSO)_4TX	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	AV	2.3892G	50.80	54.00	-3.20	3	Vertical	4	1.45	-
2412MHz	Pass	AV	2.417G	108.43	Inf	-Inf	3	Vertical	4	1.45	-
2412MHz	Pass	PK	2.3894G	72.47	74.00	-1.53	3	Vertical	4	1.45	-
2412MHz	Pass	PK	2.4144G	119.17	Inf	-Inf	3	Vertical	4	1.45	-
2412MHz	Pass	AV	2.39G	50.81	54.00	-3.19	3	Horizontal	356	1.42	-
2412MHz	Pass	AV	2.4158G	110.01	Inf	-Inf	3	Horizontal	356	1.42	-
2412MHz	Pass	PK	2.3886G	70.94	74.00	-3.06	3	Horizontal	356	1.42	-
2412MHz	Pass	PK	2.4158G	120.76	Inf	-Inf	3	Horizontal	356	1.42	-
2412MHz	Pass	AV	4.82376G	32.56	54.00	-21.44	3	Vertical	17	1.49	-
2412MHz	Pass	PK	4.82528G	44.09	74.00	-29.91	3	Vertical	17	1.49	-
2412MHz	Pass	AV	4.82392G	32.70	54.00	-21.30	3	Horizontal	279	1.13	-
2412MHz	Pass	PK	4.82432G	43.79	74.00	-30.21	3	Horizontal	279	1.13	-
2417MHz	Pass	AV	2.3892G	50.50	54.00	-3.50	3	Vertical	19	1.67	-
2417MHz	Pass	AV	2.421G	111.48	Inf	-Inf	3	Vertical	19	1.67	-
2417MHz	Pass	PK	2.3892G	67.86	74.00	-6.14	3	Vertical	19	1.67	-
2417MHz	Pass	PK	2.4162G	122.20	Inf	-Inf	3	Vertical	19	1.67	-
2417MHz	Pass	AV	2.3898G	52.56	54.00	-1.44	3	Horizontal	360	2.04	-
2417MHz	Pass	AV	2.422G	112.62	Inf	-Inf	3	Horizontal	360	2.04	-
2417MHz	Pass	PK	2.39G	70.93	74.00	-3.07	3	Horizontal	360	2.04	-
2417MHz	Pass	PK	2.4222G	123.04	Inf	-Inf	3	Horizontal	360	2.04	-
2437MHz	Pass	AV	2.3898G	49.86	54.00	-4.14	3	Vertical	0	1.41	-
2437MHz	Pass	AV	2.4322G	112.55	Inf	-Inf	3	Vertical	0	1.41	-
2437MHz	Pass	AV	2.4835G	51.91	54.00	-2.09	3	Vertical	0	1.41	-
2437MHz	Pass	PK	2.389G	63.69	74.00	-10.31	3	Vertical	0	1.41	-
2437MHz	Pass	PK	2.4422G	123.16	Inf	-Inf	3	Vertical	0	1.41	-
2437MHz	Pass	PK	2.4862G	66.97	74.00	-7.03	3	Vertical	0	1.41	-
2437MHz	Pass	AV	2.3886G	50.65	54.00	-3.35	3	Horizontal	7	1.50	-
2437MHz	Pass	AV	2.4338G	113.43	Inf	-Inf	3	Horizontal	7	1.50	-
2437MHz	Pass	AV	2.4838G	52.88	54.00	-1.12	3	Horizontal	7	1.50	-
2437MHz	Pass	PK	2.3886G	65.26	74.00	-8.74	3	Horizontal	7	1.50	-
2437MHz	Pass	PK	2.4338G	125.40	Inf	-Inf	3	Horizontal	7	1.50	-
2437MHz	Pass	PK	2.4838G	69.91	74.00	-4.09	3	Horizontal	7	1.50	-
2437MHz	Pass	AV	4.87388G	33.61	54.00	-20.39	3	Vertical	360	2.11	-
2437MHz	Pass	AV	7.30548G	39.18	54.00	-14.82	3	Vertical	319	1.67	-
2437MHz	Pass	PK	4.86876G	44.89	74.00	-29.11	3	Vertical	360	2.11	-
2437MHz	Pass	PK	7.31576G	52.76	74.00	-21.24	3	Vertical	319	1.67	-
2437MHz	Pass	AV	4.87392G	33.33	54.00	-20.67	3	Horizontal	295	1.32	-
2437MHz	Pass	AV	7.30556G	39.57	54.00	-14.43	3	Horizontal	321	1.49	-
2437MHz	Pass	PK	4.865G	44.53	74.00	-29.47	3	Horizontal	295	1.32	-
2437MHz	Pass	PK	7.31544G	54.42	74.00	-19.58	3	Horizontal	321	1.49	-
2457MHz	Pass	AV	2.4598G	111.21	Inf	-Inf	3	Vertical	360	1.57	-
2457MHz	Pass	AV	2.4844G	51.62	54.00	-2.38	3	Vertical	360	1.57	-
2457MHz	Pass	PK	2.4592G	121.44	Inf	-Inf	3	Vertical	360	1.57	-
2457MHz	Pass	PK	2.4844G	72.31	74.00	-1.69	3	Vertical	360	1.57	-
2457MHz	Pass	AV	2.4622G	111.39	Inf	-Inf	3	Horizontal	0	2.04	-
2457MHz	Pass	AV	2.4848G	52.35	54.00	-1.65	3	Horizontal	0	2.04	-
2457MHz	Pass	PK	2.4622G	122.34	Inf	-Inf	3	Horizontal	0	2.04	-
2457MHz	Pass	PK	2.4848G	70.41	74.00	-3.59	3	Horizontal	0	2.04	-
2462MHz	Pass	AV	2.4596G	108.02	Inf	-Inf	3	Vertical	0	1.63	-
2462MHz	Pass	AV	2.4842G	49.94	54.00	-4.06	3	Vertical	0	1.63	-
2462MHz	Pass	PK	2.4596G	118.77	Inf	-Inf	3	Vertical	0	1.63	-
2462MHz	Pass	PK	2.4835G	69.97	74.00	-4.03	3	Vertical	0	1.63	-
2462MHz	Pass	AV	2.466G	108.45	Inf	-Inf	3	Horizontal	356	1.36	-
2462MHz	Pass	AV	2.4835G	50.81	54.00	-3.19	3	Horizontal	356	1.36	-



RSE TX above 1GHz\_Non-Beamforming\_Radio 1

Appendix F.2

Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2462MHz	Pass	PK	2.4658G	120.18	Inf	-Inf	3	Horizontal	356	1.36	-
2462MHz	Pass	PK	2.4835G	71.91	74.00	-2.09	3	Horizontal	356	1.36	-
2462MHz	Pass	AV	4.924G	33.99	54.00	-20.01	3	Vertical	0	1.78	-
2462MHz	Pass	AV	7.38596G	37.25	54.00	-16.75	3	Vertical	291	1.30	-
2462MHz	Pass	PK	4.92424G	44.76	74.00	-29.24	3	Vertical	0	1.78	-
2462MHz	Pass	PK	7.38296G	49.41	74.00	-24.59	3	Vertical	291	1.30	-
2462MHz	Pass	AV	4.92396G	33.64	54.00	-20.36	3	Horizontal	317	1.90	-
2462MHz	Pass	AV	7.379G	37.52	54.00	-16.48	3	Horizontal	18	1.50	-
2462MHz	Pass	PK	4.92736G	44.06	74.00	-29.94	3	Horizontal	317	1.90	-
2462MHz	Pass	PK	7.37924G	49.26	74.00	-24.74	3	Horizontal	18	1.50	-
802.11ax HEW40_Nss1_(MCS0)_4TX	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	AV	2.3888G	50.34	54.00	-3.66	3	Vertical	339	1.44	-
2422MHz	Pass	AV	2.426G	106.38	Inf	-Inf	3	Vertical	339	1.44	-
2422MHz	Pass	AV	2.484G	50.29	54.00	-3.71	3	Vertical	339	1.44	-
2422MHz	Pass	PK	2.3884G	64.53	74.00	-9.47	3	Vertical	339	1.44	-
2422MHz	Pass	PK	2.4212G	116.13	Inf	-Inf	3	Vertical	339	1.44	-
2422MHz	Pass	PK	2.4835G	60.26	74.00	-13.74	3	Vertical	339	1.44	-
2422MHz	Pass	AV	2.3896G	52.19	54.00	-1.81	3	Horizontal	0	2.03	-
2422MHz	Pass	AV	2.4196G	107.44	Inf	-Inf	3	Horizontal	0	2.03	-
2422MHz	Pass	AV	2.4844G	50.65	54.00	-3.35	3	Horizontal	0	2.03	-
2422MHz	Pass	PK	2.3876G	67.44	74.00	-6.56	3	Horizontal	0	2.03	-
2422MHz	Pass	PK	2.4144G	118.22	Inf	-Inf	3	Horizontal	0	2.03	-
2422MHz	Pass	PK	2.484G	60.91	74.00	-13.09	3	Horizontal	0	2.03	-
2422MHz	Pass	AV	4.84388G	33.07	54.00	-20.93	3	Vertical	49	1.35	-
2422MHz	Pass	AV	7.27376G	38.93	54.00	-15.07	3	Vertical	272	1.50	-
2422MHz	Pass	PK	4.84364G	43.78	74.00	-30.22	3	Vertical	49	1.35	-
2422MHz	Pass	PK	7.26908G	49.84	74.00	-24.16	3	Vertical	272	1.50	-
2422MHz	Pass	AV	4.84396G	33.41	54.00	-20.59	3	Horizontal	279	1.48	-
2422MHz	Pass	AV	7.26604G	39.20	54.00	-14.80	3	Horizontal	308	1.49	-
2422MHz	Pass	PK	4.84952G	44.49	74.00	-29.51	3	Horizontal	279	1.48	-
2422MHz	Pass	PK	7.26244G	50.29	74.00	-23.71	3	Horizontal	308	1.49	-
2427MHz	Pass	AV	2.3894G	51.10	54.00	-2.90	3	Vertical	17	1.66	-
2427MHz	Pass	AV	2.425G	107.31	Inf	-Inf	3	Vertical	17	1.66	-
2427MHz	Pass	AV	2.4842G	50.30	54.00	-3.70	3	Vertical	17	1.66	-
2427MHz	Pass	PK	2.387G	66.48	74.00	-7.52	3	Vertical	17	1.66	-
2427MHz	Pass	PK	2.4198G	116.96	Inf	-Inf	3	Vertical	17	1.66	-
2427MHz	Pass	PK	2.485G	62.13	74.00	-11.87	3	Vertical	17	1.66	-
2427MHz	Pass	AV	2.3886G	52.43	54.00	-1.57	3	Horizontal	360	2.03	-
2427MHz	Pass	AV	2.421G	108.10	Inf	-Inf	3	Horizontal	360	2.03	-
2427MHz	Pass	AV	2.485G	51.46	54.00	-2.54	3	Horizontal	360	2.03	-
2427MHz	Pass	PK	2.389G	69.12	74.00	-4.88	3	Horizontal	360	2.03	-
2427MHz	Pass	PK	2.421G	117.81	Inf	-Inf	3	Horizontal	360	2.03	-
2427MHz	Pass	PK	2.4835G	64.51	74.00	-9.49	3	Horizontal	360	2.03	-
2437MHz	Pass	AV	2.3898G	50.02	54.00	-3.98	3	Vertical	339	1.46	-
2437MHz	Pass	AV	2.4234G	107.50	Inf	-Inf	3	Vertical	339	1.46	-
2437MHz	Pass	AV	2.4835G	51.61	54.00	-2.39	3	Vertical	339	1.46	-
2437MHz	Pass	PK	2.3894G	65.32	74.00	-8.68	3	Vertical	339	1.46	-
2437MHz	Pass	PK	2.4286G	117.10	Inf	-Inf	3	Vertical	339	1.46	-
2437MHz	Pass	PK	2.4835G	66.08	74.00	-7.92	3	Vertical	339	1.46	-
2437MHz	Pass	AV	2.389G	50.50	54.00	-3.50	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	2.451G	107.04	Inf	-Inf	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	2.4835G	52.48	54.00	-1.52	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	2.3874G	66.70	74.00	-7.30	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	2.451G	117.30	Inf	-Inf	3	Horizontal	356	1.50	-
2437MHz	Pass	PK	2.4838G	69.06	74.00	-4.94	3	Horizontal	356	1.50	-
2437MHz	Pass	AV	4.87404G	34.00	54.00	-20.00	3	Vertical	4	1.79	-
2437MHz	Pass	AV	7.31088G	38.88	54.00	-15.12	3	Vertical	304	1.50	-
2437MHz	Pass	PK	4.87292G	44.00	74.00	-30.00	3	Vertical	4	1.79	-
2437MHz	Pass	PK	7.30896G	49.61	74.00	-24.39	3	Vertical	304	1.50	-
2437MHz	Pass	AV	4.87404G	33.61	54.00	-20.39	3	Horizontal	282	1.50	-
2437MHz	Pass	AV	7.311G	39.91	54.00	-14.09	3	Horizontal	43	1.44	-
2437MHz	Pass	PK	4.87352G	44.09	74.00	-29.91	3	Horizontal	282	1.50	-

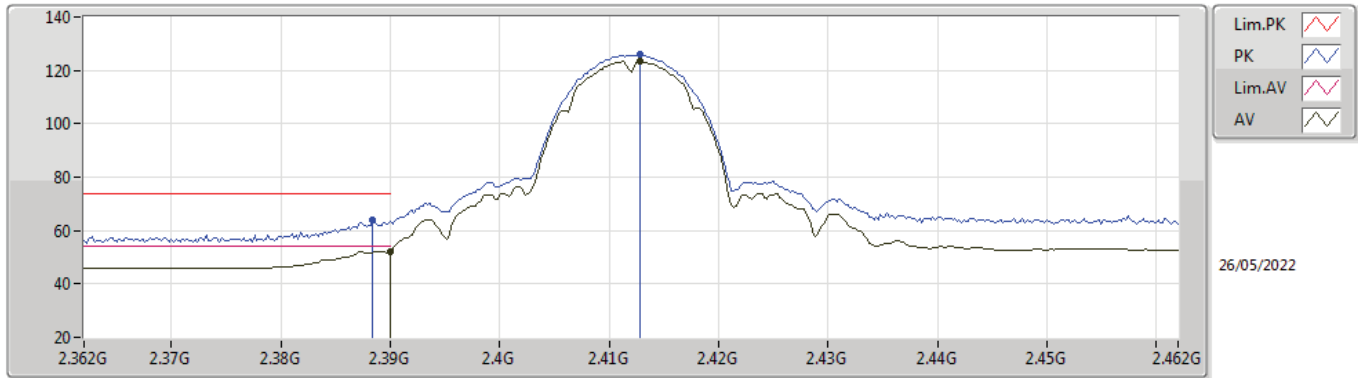


Mode	Result	Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comments
2437MHz	Pass	PK	7.301G	49.63	74.00	-24.37	3	Horizontal	43	1.44	-
2447MHz	Pass	AV	2.389G	48.79	54.00	-5.21	3	Vertical	360	1.56	-
2447MHz	Pass	AV	2.4622G	106.72	Inf	-Inf	3	Vertical	360	1.56	-
2447MHz	Pass	AV	2.4838G	51.91	54.00	-2.09	3	Vertical	360	1.56	-
2447MHz	Pass	PK	2.3886G	59.24	74.00	-14.76	3	Vertical	360	1.56	-
2447MHz	Pass	PK	2.4574G	117.10	Inf	-Inf	3	Vertical	360	1.56	-
2447MHz	Pass	PK	2.4838G	64.02	74.00	-9.98	3	Vertical	360	1.56	-
2447MHz	Pass	AV	2.3874G	48.77	54.00	-5.23	3	Horizontal	0	1.76	-
2447MHz	Pass	AV	2.4546G	106.64	Inf	-Inf	3	Horizontal	0	1.76	-
2447MHz	Pass	AV	2.4835G	52.75	54.00	-1.25	3	Horizontal	0	1.76	-
2447MHz	Pass	PK	2.3898G	60.21	74.00	-13.79	3	Horizontal	0	1.76	-
2447MHz	Pass	PK	2.4594G	116.60	Inf	-Inf	3	Horizontal	0	1.76	-
2447MHz	Pass	PK	2.4846G	67.66	74.00	-6.34	3	Horizontal	0	1.76	-
2452MHz	Pass	AV	2.39G	48.79	54.00	-5.21	3	Vertical	0	1.61	-
2452MHz	Pass	AV	2.4596G	106.13	Inf	-Inf	3	Vertical	0	1.61	-
2452MHz	Pass	AV	2.4844G	51.77	54.00	-2.23	3	Vertical	0	1.61	-
2452MHz	Pass	PK	2.3868G	59.11	74.00	-14.89	3	Vertical	0	1.61	-
2452MHz	Pass	PK	2.4596G	116.67	Inf	-Inf	3	Vertical	0	1.61	-
2452MHz	Pass	PK	2.4848G	62.31	74.00	-11.69	3	Vertical	0	1.61	-
2452MHz	Pass	AV	2.3892G	48.00	54.00	-6.00	3	Horizontal	353	1.50	-
2452MHz	Pass	AV	2.456G	105.71	Inf	-Inf	3	Horizontal	353	1.50	-
2452MHz	Pass	AV	2.4835G	52.61	54.00	-1.39	3	Horizontal	353	1.50	-
2452MHz	Pass	PK	2.3856G	59.31	74.00	-14.69	3	Horizontal	353	1.50	-
2452MHz	Pass	PK	2.446G	115.41	Inf	-Inf	3	Horizontal	353	1.50	-
2452MHz	Pass	PK	2.4835G	63.87	74.00	-10.13	3	Horizontal	353	1.50	-
2452MHz	Pass	AV	4.90408G	34.32	54.00	-19.68	3	Vertical	0	1.84	-
2452MHz	Pass	AV	7.356G	38.60	54.00	-15.40	3	Vertical	304	1.49	-
2452MHz	Pass	PK	4.90284G	44.30	74.00	-29.70	3	Vertical	0	1.84	-
2452MHz	Pass	PK	7.35244G	49.85	74.00	-24.15	3	Vertical	304	1.49	-
2452MHz	Pass	AV	4.9038G	33.99	54.00	-20.01	3	Horizontal	291	2.69	-
2452MHz	Pass	AV	7.35596G	39.61	54.00	-14.39	3	Horizontal	43	1.49	-
2452MHz	Pass	PK	4.90396G	44.29	74.00	-29.71	3	Horizontal	291	2.69	-
2452MHz	Pass	PK	7.35252G	50.52	74.00	-23.48	3	Horizontal	43	1.49	-



802.11b\_Nss1,(1Mbps)\_4TX

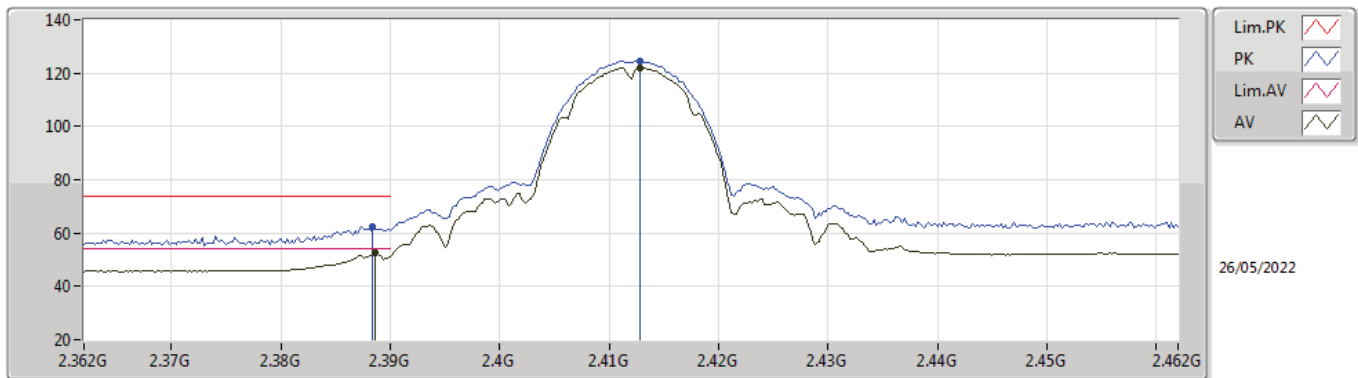
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.06	54.00	-1.94	31.75	3	Vertical	3	1.50	-	20.31	27.38	4.37	-
AV	2.4128G	123.45	Inf	-Inf	31.85	3	Vertical	3	1.50	-	91.60	27.45	4.40	-
PK	2.3884G	63.76	74.00	-10.24	31.75	3	Vertical	3	1.50	-	32.01	27.38	4.37	-
PK	2.4128G	125.80	Inf	-Inf	31.85	3	Vertical	3	1.50	-	93.95	27.45	4.40	-

802.11b\_Nss1,(1Mbps)\_4TX

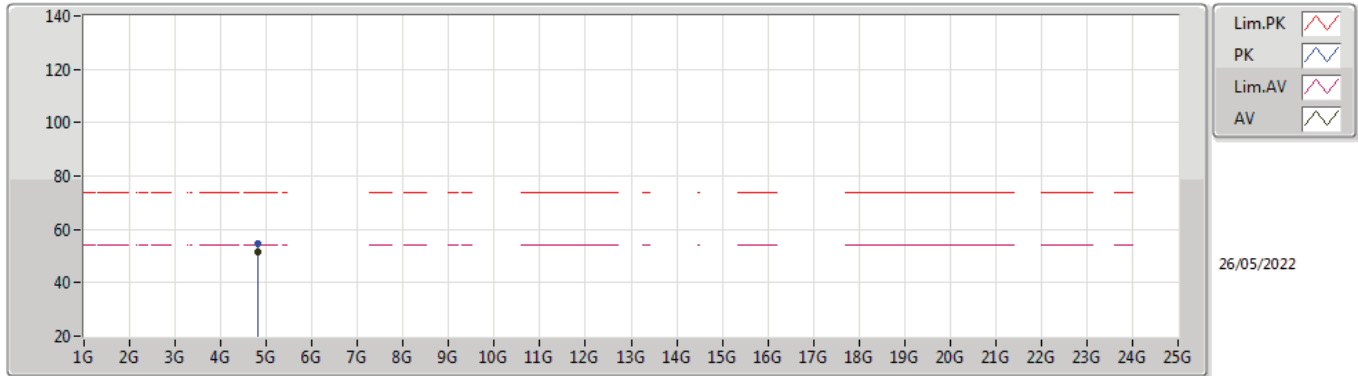
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3886G	52.43	54.00	-1.57	31.75	3	Horizontal	18	1.29	-	20.68	27.38	4.37	-
AV	2.4128G	122.09	Inf	-Inf	31.85	3	Horizontal	18	1.29	-	90.24	27.45	4.40	-
PK	2.3884G	62.53	74.00	-11.47	31.75	3	Horizontal	18	1.29	-	30.78	27.38	4.37	-
PK	2.4128G	124.60	Inf	-Inf	31.85	3	Horizontal	18	1.29	-	92.75	27.45	4.40	-

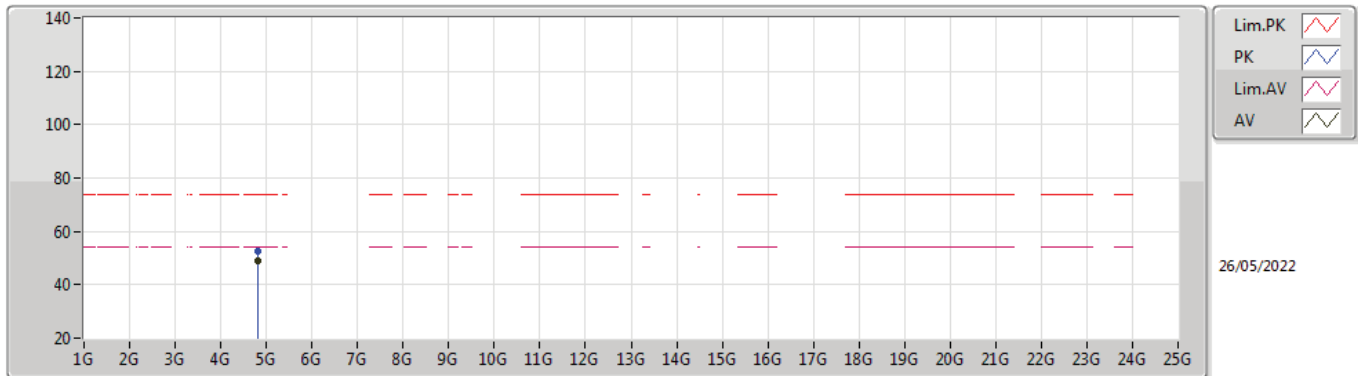


**802.11b\_Nss1,(1Mbps)\_4TX**  
**2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82396G	51.81	54.00	-2.19	4.42	3	Vertical	351	1.47	-	47.39	32.60	6.27	34.45
PK	4.82396G	54.53	74.00	-19.47	4.42	3	Vertical	351	1.47	-	50.11	32.60	6.27	34.45

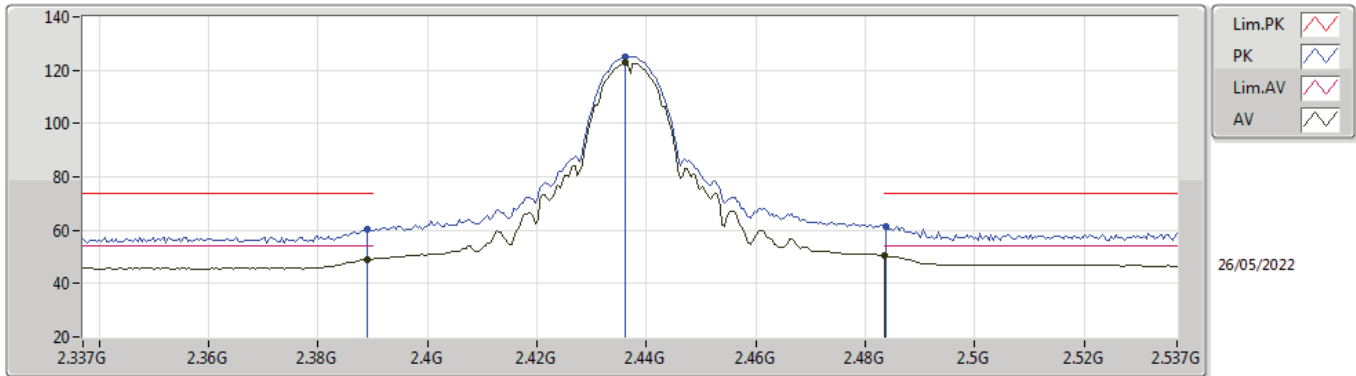
**802.11b\_Nss1,(1Mbps)\_4TX**  
**2412MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82392G	49.21	54.00	-4.79	4.42	3	Horizontal	0	1.74	-	44.79	32.60	6.27	34.45
PK	4.82392G	52.80	74.00	-21.20	4.42	3	Horizontal	0	1.74	-	48.38	32.60	6.27	34.45

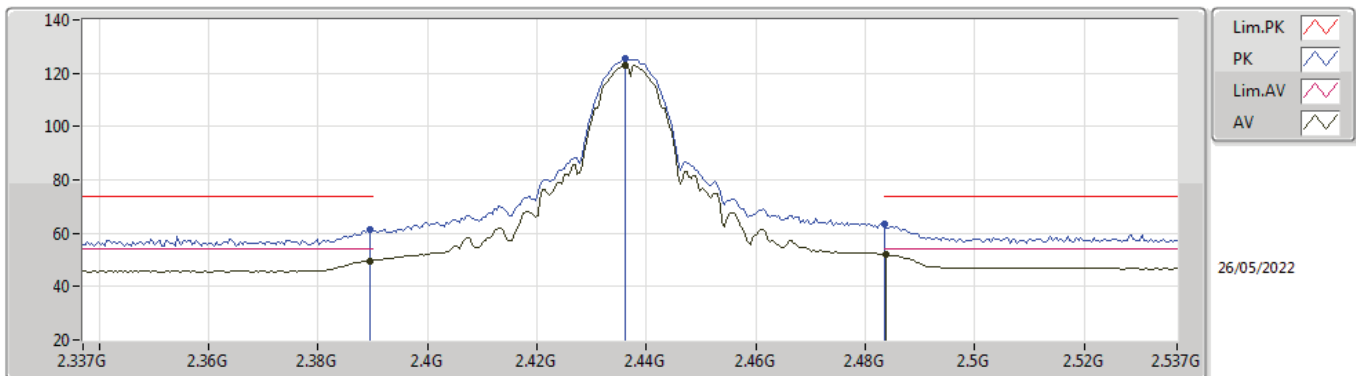


**802.11b\_Nss1,(1Mbps)\_4TX  
2437MHz\_TX**



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.389G	49.16	54.00	-4.84	31.75	3	Vertical	341	1.46	-	17.41	27.38	4.37	-
AV	2.4362G	122.92	Inf	-Inf	31.97	3	Vertical	341	1.46	-	90.95	27.54	4.43	-
AV	2.4835G	50.29	54.00	-3.71	32.30	3	Vertical	341	1.46	-	17.99	27.80	4.50	-
PK	2.389G	60.36	74.00	-13.64	31.75	3	Vertical	341	1.46	-	28.61	27.38	4.37	-
PK	2.4362G	125.22	Inf	-Inf	31.97	3	Vertical	341	1.46	-	93.25	27.54	4.43	-
PK	2.4838G	61.56	74.00	-12.44	32.30	3	Vertical	341	1.46	-	29.26	27.80	4.50	-

**802.11b\_Nss1,(1Mbps)\_4TX  
2437MHz\_TX**

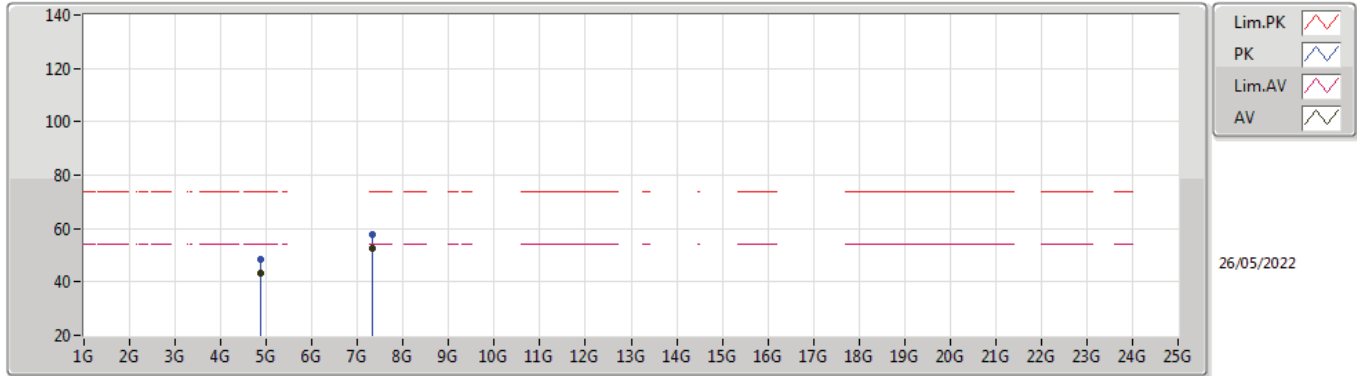


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.3894G	49.69	54.00	-4.31	31.75	3	Horizontal	356	1.50	-	17.94	27.38	4.37	-
AV	2.4362G	123.04	Inf	-Inf	31.97	3	Horizontal	356	1.50	-	91.07	27.54	4.43	-
AV	2.4838G	51.91	54.00	-2.09	32.30	3	Horizontal	356	1.50	-	19.61	27.80	4.50	-
PK	2.3894G	61.52	74.00	-12.48	31.75	3	Horizontal	356	1.50	-	29.77	27.38	4.37	-
PK	2.4362G	125.34	Inf	-Inf	31.97	3	Horizontal	356	1.50	-	93.37	27.54	4.43	-
PK	2.4835G	63.26	74.00	-10.74	32.30	3	Horizontal	356	1.50	-	30.96	27.80	4.50	-



802.11b\_Nss1,(1Mbps)\_4TX

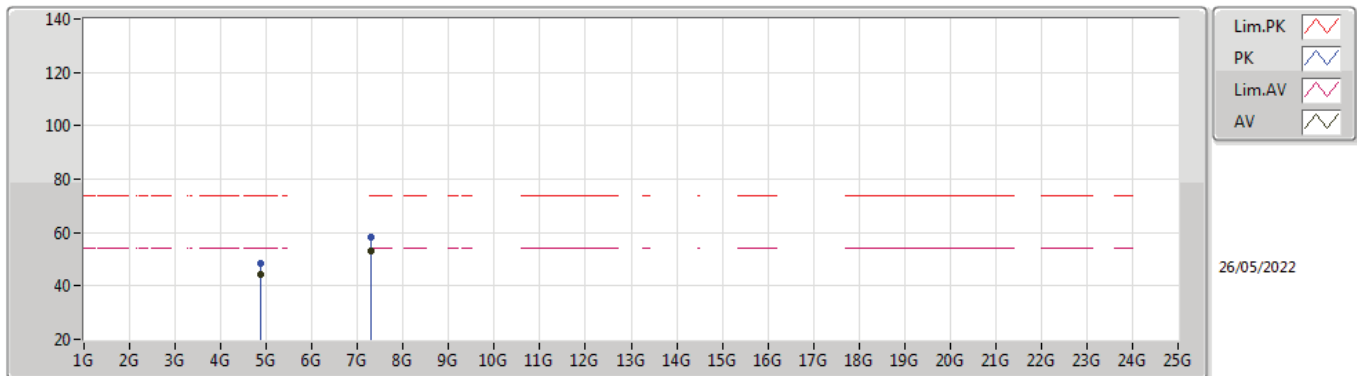
2437MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87392G	43.50	54.00	-10.50	4.61	3	Vertical	353	1.50	-	38.89	32.75	6.30	34.44
AV	7.31264G	52.65	54.00	-1.35	10.08	3	Vertical	354	1.50	-	42.57	36.75	8.14	34.81
PK	4.87396G	48.70	74.00	-25.30	4.61	3	Vertical	353	1.50	-	44.09	32.75	6.30	34.44
PK	7.31228G	57.81	74.00	-16.19	10.08	3	Vertical	354	1.50	-	47.73	36.75	8.14	34.81

802.11b\_Nss1,(1Mbps)\_4TX

2437MHz\_TX



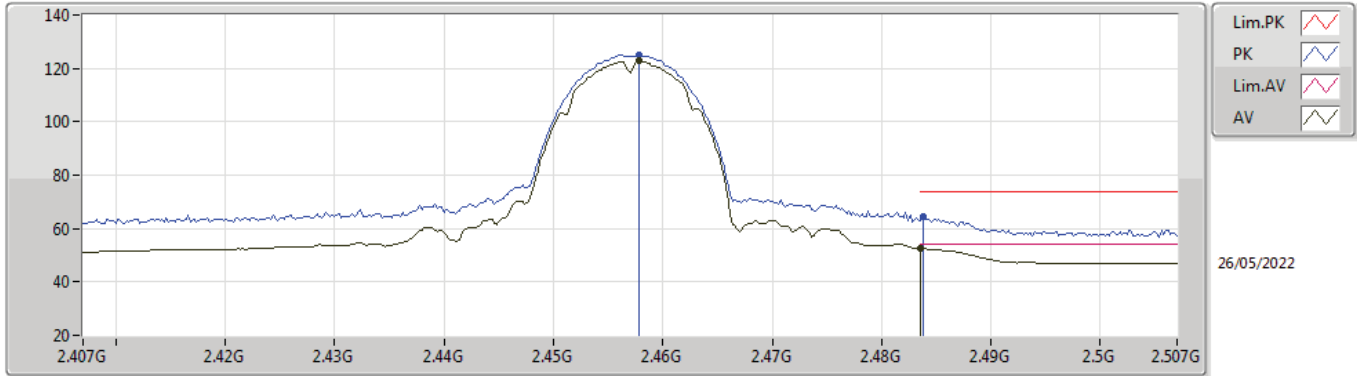
Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.87392G	44.06	54.00	-9.94	4.61	3	Horizontal	5	1.31	-	39.45	32.75	6.30	34.44
AV	7.30968G	52.94	54.00	-1.06	10.07	3	Horizontal	320	1.50	-	42.87	36.74	8.14	34.81
PK	4.874G	48.65	74.00	-25.35	4.61	3	Horizontal	5	1.31	-	44.04	32.75	6.30	34.44
PK	7.30956G	58.07	74.00	-15.93	10.07	3	Horizontal	320	1.50	-	48.00	36.74	8.14	34.81





802.11b\_Nss1,(1Mbps)\_4TX

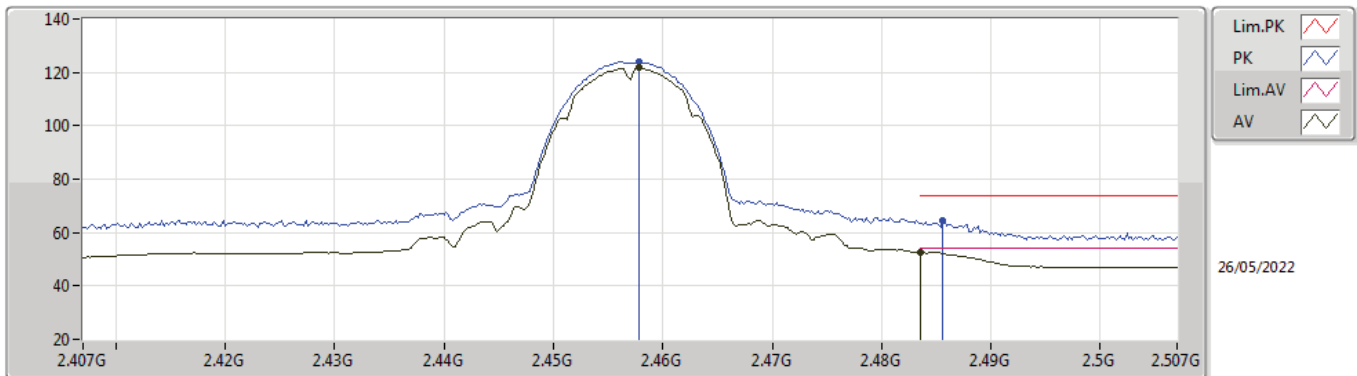
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	122.68	Inf	-Inf	32.11	3	Vertical	360	1.60	-	90.57	27.65	4.46	-
AV	2.4835G	52.75	54.00	-1.25	32.30	3	Vertical	360	1.60	-	20.45	27.80	4.50	-
PK	2.4578G	125.04	Inf	-Inf	32.11	3	Vertical	360	1.60	-	92.93	27.65	4.46	-
PK	2.4838G	64.27	74.00	-9.73	32.30	3	Vertical	360	1.60	-	31.97	27.80	4.50	-

802.11b\_Nss1,(1Mbps)\_4TX

2457MHz\_TX

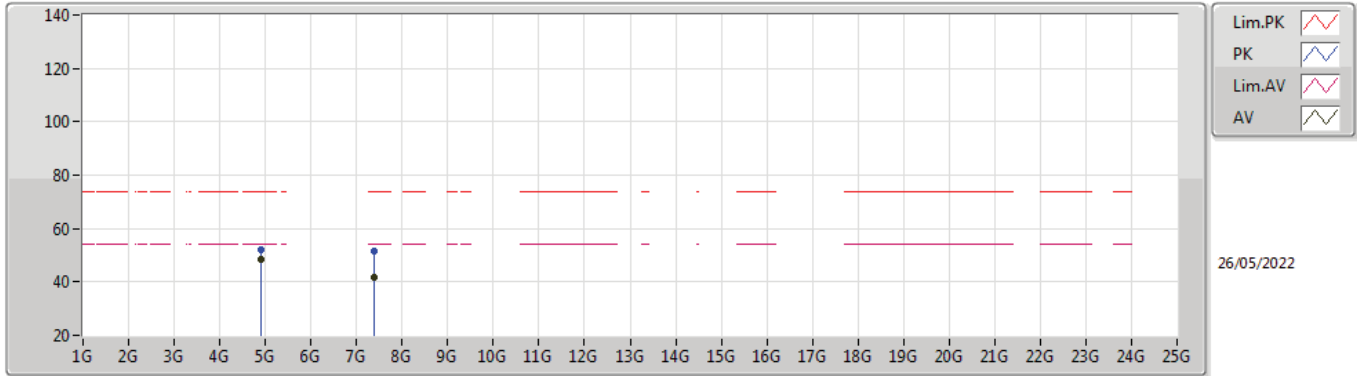


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4578G	121.71	Inf	-Inf	32.11	3	Horizontal	360	1.14	-	89.60	27.65	4.46	-
AV	2.4835G	52.61	54.00	-1.39	32.30	3	Horizontal	360	1.14	-	20.31	27.80	4.50	-
PK	2.4578G	124.08	Inf	-Inf	32.11	3	Horizontal	360	1.14	-	91.97	27.65	4.46	-
PK	2.4856G	64.31	74.00	-9.69	32.31	3	Horizontal	360	1.14	-	32.00	27.81	4.50	-



802.11b\_Nss1,(1Mbps)\_4TX

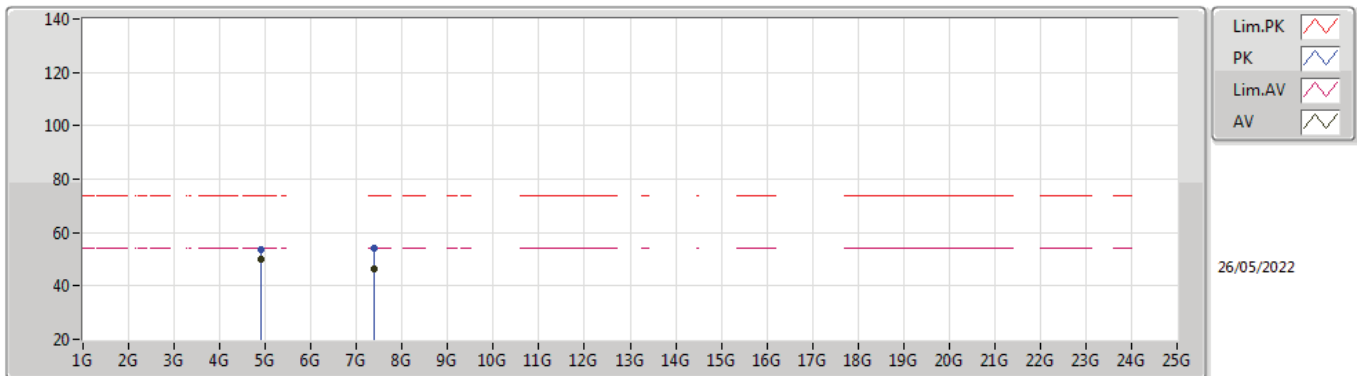
2457MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.91392G	48.36	54.00	-5.64	4.77	3	Vertical	353	1.50	-	43.59	32.88	6.33	34.44
AV	7.37204G	41.72	54.00	-12.28	10.06	3	Vertical	360	1.50	-	31.66	36.77	8.12	34.83
PK	4.91396G	51.97	74.00	-22.03	4.77	3	Vertical	353	1.50	-	47.20	32.88	6.33	34.44
PK	7.37176G	51.53	74.00	-22.47	10.06	3	Vertical	360	1.50	-	41.47	36.77	8.12	34.83

802.11b\_Nss1,(1Mbps)\_4TX

2457MHz\_TX

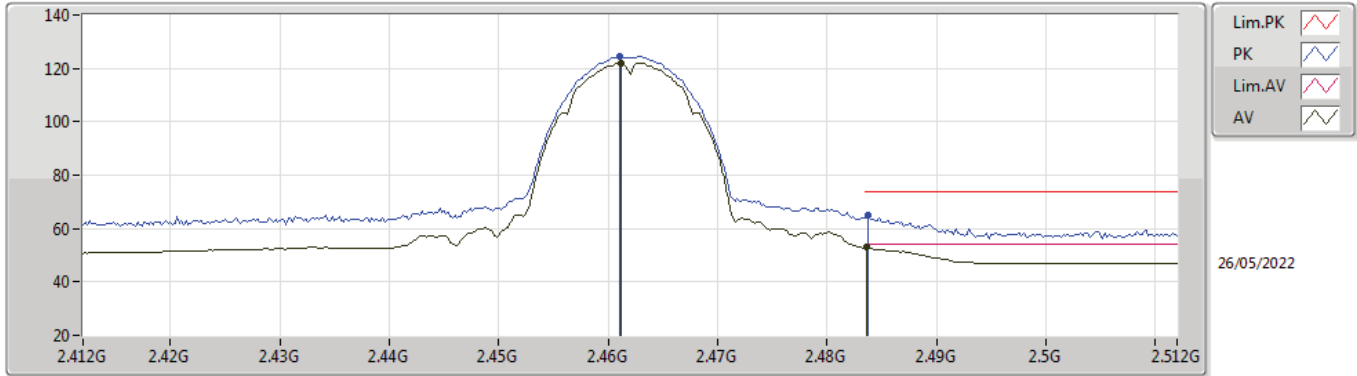


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.91396G	50.25	54.00	-3.75	4.77	3	Horizontal	360	1.50	-	45.48	32.88	6.33	34.44
AV	7.37224G	46.56	54.00	-7.44	10.06	3	Horizontal	321	1.50	-	36.50	36.77	8.12	34.83
PK	4.91396G	53.42	74.00	-20.58	4.77	3	Horizontal	360	1.50	-	48.65	32.88	6.33	34.44
PK	7.37244G	54.23	74.00	-19.77	10.06	3	Horizontal	321	1.50	-	44.17	36.77	8.12	34.83



802.11b\_Nss1,(1Mbps)\_4TX

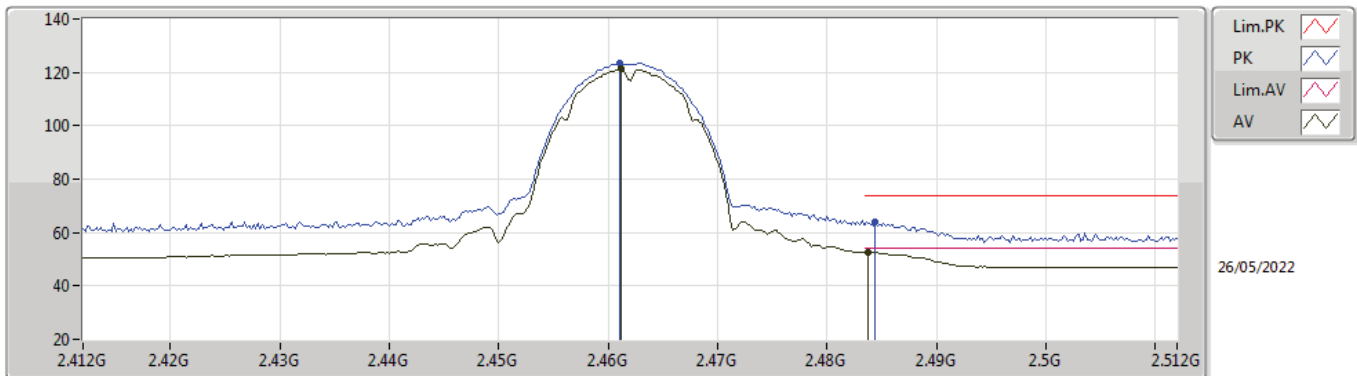
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	122.13	Inf	-Inf	32.14	3	Vertical	7	1.17	-	89.99	27.67	4.47	-
AV	2.4836G	52.88	54.00	-1.12	32.30	3	Vertical	7	1.17	-	20.58	27.80	4.50	-
PK	2.461G	124.47	Inf	-Inf	32.14	3	Vertical	7	1.17	-	92.33	27.67	4.47	-
PK	2.4838G	64.75	74.00	-9.25	32.30	3	Vertical	7	1.17	-	32.45	27.80	4.50	-

802.11b\_Nss1,(1Mbps)\_4TX

2462MHz\_TX

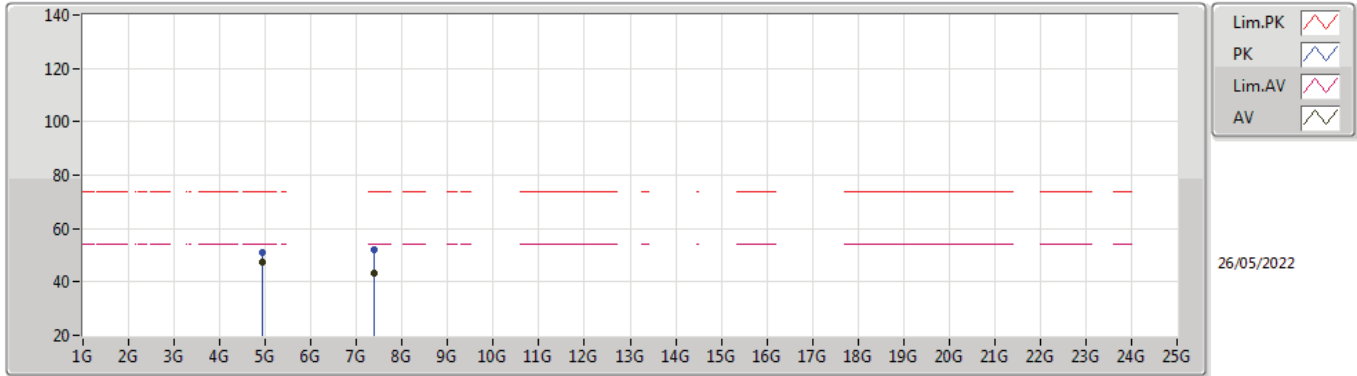


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.4612G	121.13	Inf	-Inf	32.14	3	Horizontal	19	1.65	-	88.99	27.67	4.47	-
AV	2.4838G	52.75	54.00	-1.25	32.30	3	Horizontal	19	1.65	-	20.45	27.80	4.50	-
PK	2.461G	123.48	Inf	-Inf	32.14	3	Horizontal	19	1.65	-	91.34	27.67	4.47	-
PK	2.4844G	64.17	74.00	-9.83	32.31	3	Horizontal	19	1.65	-	31.86	27.81	4.50	-



802.11b\_Nss1,(1Mbps)\_4TX

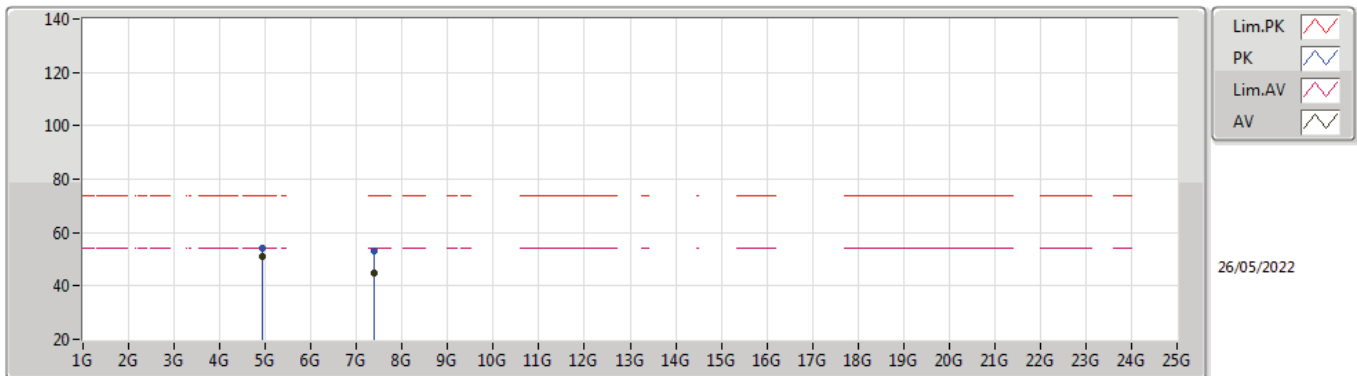
2462MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92392G	47.32	54.00	-6.68	4.83	3	Vertical	354	1.50	-	42.49	32.94	6.33	34.44
AV	7.38464G	43.30	54.00	-10.70	9.98	3	Vertical	322	1.50	-	33.32	36.69	8.12	34.83
PK	4.92392G	51.16	74.00	-22.84	4.83	3	Vertical	354	1.50	-	46.33	32.94	6.33	34.44
PK	7.3856G	51.91	74.00	-22.09	9.98	3	Vertical	322	1.50	-	41.93	36.69	8.12	34.83

802.11b\_Nss1,(1Mbps)\_4TX

2462MHz\_TX

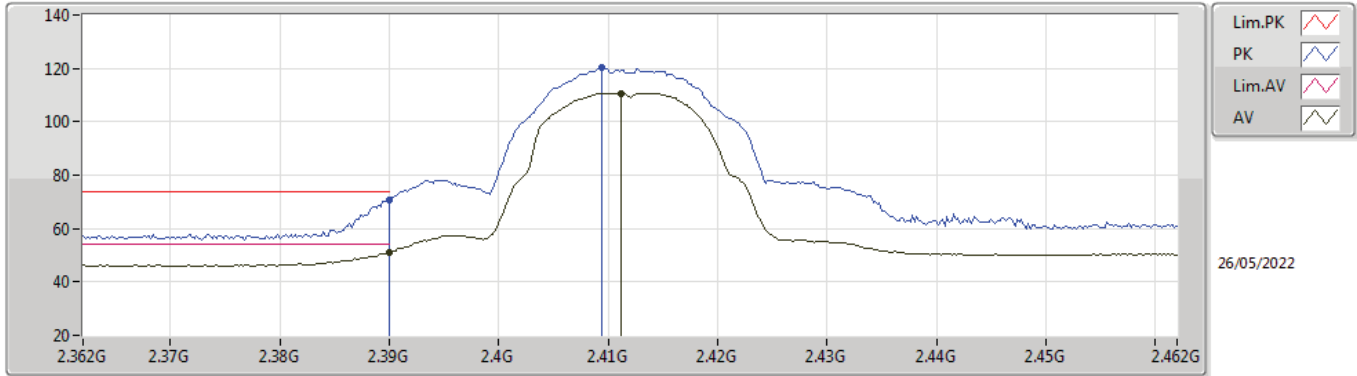


Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.92396G	50.89	54.00	-3.11	4.83	3	Horizontal	360	1.30	-	46.06	32.94	6.33	34.44
AV	7.38472G	44.76	54.00	-9.24	9.98	3	Horizontal	306	1.50	-	34.78	36.69	8.12	34.83
PK	4.92392G	54.04	74.00	-19.96	4.83	3	Horizontal	360	1.30	-	49.21	32.94	6.33	34.44
PK	7.38716G	53.07	74.00	-20.93	9.96	3	Horizontal	306	1.50	-	43.11	36.68	8.11	34.83



802.11g\_Nss1,(6Mbps)\_4TX

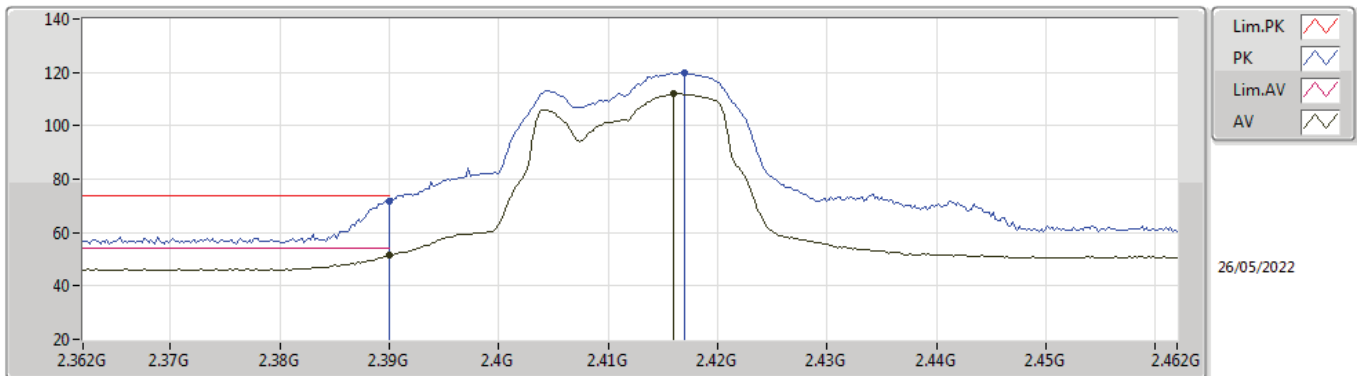
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.24	54.00	-2.76	31.75	3	Vertical	5	1.48	-	19.49	27.38	4.37	-
AV	2.4112G	110.66	Inf	-Inf	31.84	3	Vertical	5	1.48	-	78.82	27.44	4.40	-
PK	2.39G	70.71	74.00	-3.29	31.75	3	Vertical	5	1.48	-	38.96	27.38	4.37	-
PK	2.4094G	120.49	Inf	-Inf	31.83	3	Vertical	5	1.48	-	88.66	27.44	4.39	-

802.11g\_Nss1,(6Mbps)\_4TX

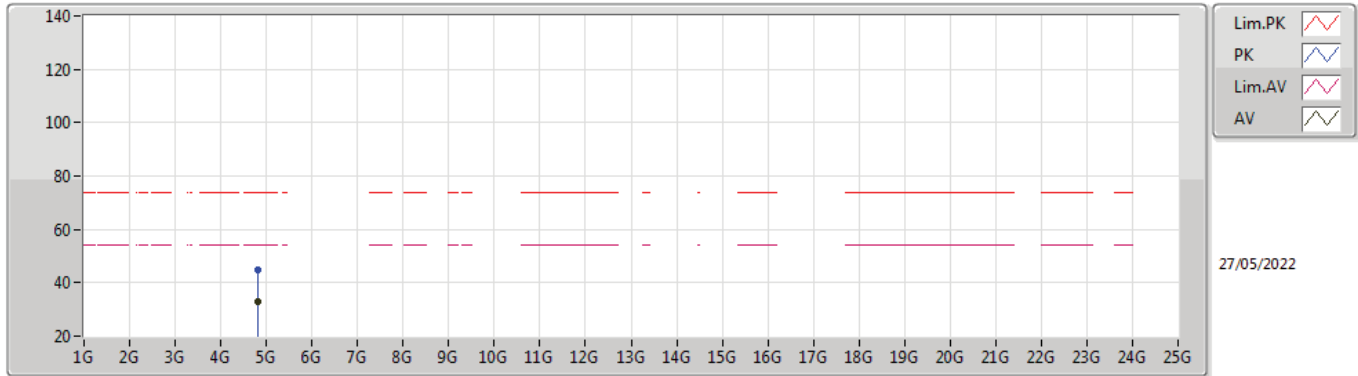
2412MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	51.52	54.00	-2.48	31.75	3	Horizontal	8	1.50	-	19.77	27.38	4.37	-
AV	2.416G	112.17	Inf	-Inf	31.86	3	Horizontal	8	1.50	-	80.31	27.46	4.40	-
PK	2.39G	71.92	74.00	-2.08	31.75	3	Horizontal	8	1.50	-	40.17	27.38	4.37	-
PK	2.417G	120.08	Inf	-Inf	31.87	3	Horizontal	8	1.50	-	88.21	27.47	4.40	-



**802.11g\_Nss1,(6Mbps)\_4TX**  
**2412MHz\_TX**

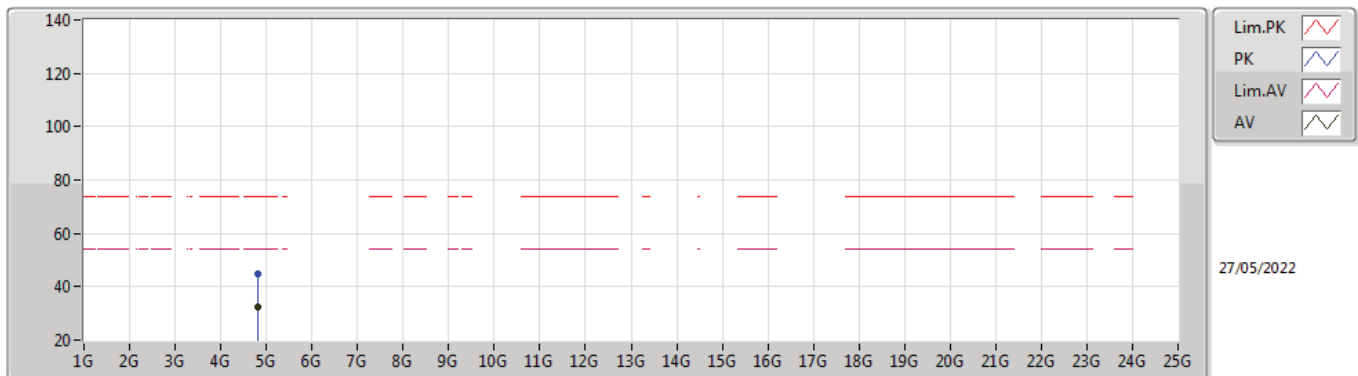


Lim.PK   
 PK   
 Lim.AV   
 AV

27/05/2022

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82392G	33.13	54.00	-20.87	4.42	3	Vertical	351	1.38	-	28.71	32.60	6.27	34.45
PK	4.82428G	44.78	74.00	-29.22	4.42	3	Vertical	351	1.38	-	40.36	32.60	6.27	34.45

**802.11g\_Nss1,(6Mbps)\_4TX**  
**2412MHz\_TX**



Lim.PK   
 PK   
 Lim.AV   
 AV

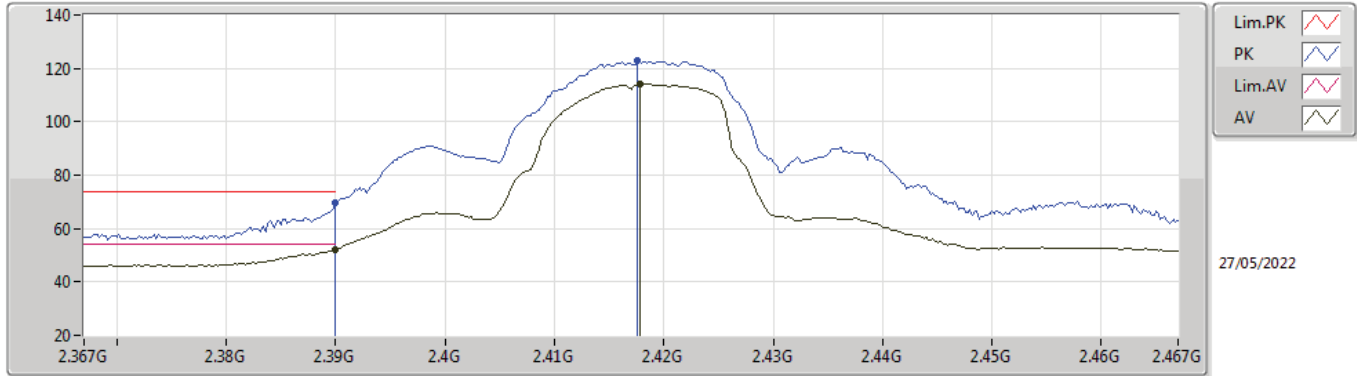
27/05/2022

Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	4.82616G	32.63	54.00	-21.37	4.43	3	Horizontal	0	1.50	-	28.20	32.60	6.28	34.45
PK	4.8242G	45.01	74.00	-28.99	4.42	3	Horizontal	0	1.50	-	40.59	32.60	6.27	34.45



802.11g\_Nss1,(6Mbps)\_4TX

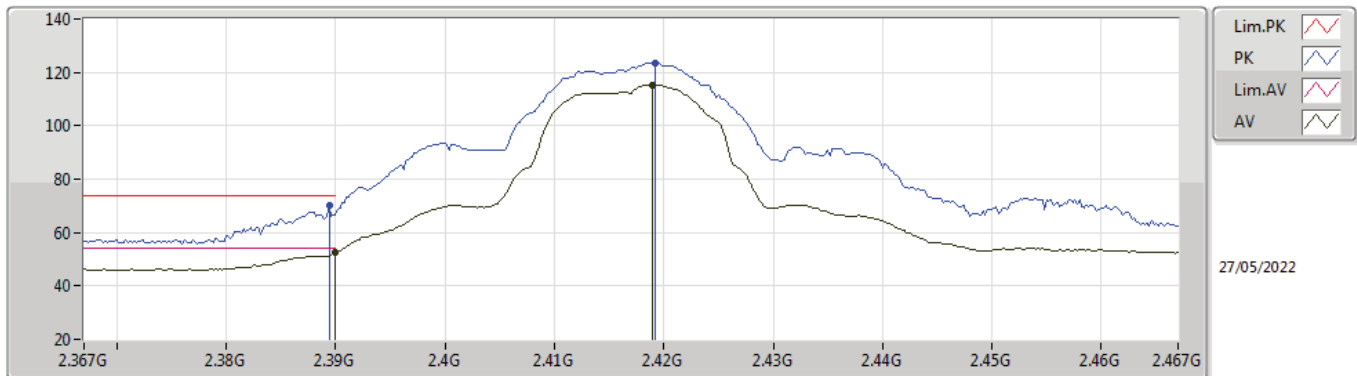
2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.31	54.00	-1.69	31.75	3	Vertical	360	1.46	-	20.56	27.38	4.37	-
AV	2.4178G	114.03	Inf	-Inf	31.88	3	Vertical	360	1.46	-	82.15	27.47	4.41	-
PK	2.39G	69.70	74.00	-4.30	31.75	3	Vertical	360	1.46	-	37.95	27.38	4.37	-
PK	2.4176G	122.76	Inf	-Inf	31.88	3	Vertical	360	1.46	-	90.88	27.47	4.41	-

802.11g\_Nss1,(6Mbps)\_4TX

2417MHz\_TX



Type	Freq (Hz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Dist (m)	Condition	Azimuth (°)	Height (m)	Comment	Raw (dBuV)	AF (dB)	CL (dB)	PA (dB)
AV	2.39G	52.44	54.00	-1.56	31.75	3	Horizontal	356	1.50	-	20.69	27.38	4.37	-
AV	2.419G	115.24	Inf	-Inf	31.89	3	Horizontal	356	1.50	-	83.35	27.48	4.41	-
PK	2.3894G	70.05	74.00	-3.95	31.75	3	Horizontal	356	1.50	-	38.30	27.38	4.37	-
PK	2.4192G	123.69	Inf	-Inf	31.89	3	Horizontal	356	1.50	-	91.80	27.48	4.41	-