



# FCC Radio Test Report

**FCC ID** : TVE-3518T01236  
**Equipment** : Secured Wireless Access Point  
**Brand Name** : FORTINET  
**Model Name** : FortiAP 233Gxxxxxx, FORTIAP-233Gxxxxxx, FAP-233Gxxxxxx,  
(where “x” can be used as “A-Z”, or “0-9”, or “-“, or blank for  
software changes 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 Jun. 29, 2022, and testing was started from Aug. 08, 2022 and completed on Nov. 15, 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 report apply exclusively to the tested model / sample. Without written approval of SPORTON INTERNATIONAL INC. Hsinhua Laboratory, the test report shall not be reproduced except in full.



Approved by: Jackson Tsai

**SPORTON INTERNATIONAL INC. Hsinhua Laboratory**

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



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PHOTOGRAPHS OF EUT V01





### Summary of Test Result

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

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

Reviewed by: Barry Hsiao

Report Producer: Jenny Yang



# 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

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

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	Support
1	AWAN	7102A0560000	Dipole	Reverse SMA	2.4G+5G
2	AWAN	7102A0560000	Dipole	Reverse SMA	2.4G+5G
3	AWAN	7102A0561000	Dipole	I-Pex	2.4G+5G+6G
4	AWAN	7102A0562000	Dipole	I-Pex	2.4G+5G+6G
5	SENAO	5718A0679300	PIFA	I-Pex	BT & Zigbee

Ant.	Port	Gain (dBi)				Remark
		2.4G	5G	6G	BT & Zigbee	
1	1	4.94	4.58	-	-	Radio 1 2.4G 2*2 & Radio2 5G 2*2 Radio 3 2.4G/5G/6G 2*2 Radio 2 5G Low Band+ Radio 3 5G High Band 2*2
2	2	5.24	4.98	-	-	
3	1	4.53	4.62	4.77	-	
4	2	4.27	4.23	4.37	-	
5	1	-	-	-	5.1	

Note 1: The EUT has five antennas.

**For 2.4GHz function:**

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

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

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

**For BT function:**

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

Only Ant.5 (port 1) can be used as transmitting/receiving.

**For 5GHz function:**

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

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

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

**For 6GHz function:**

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

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

Note 2: Directional gain information.

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

1.1.3 EUT Information

Operational Condition			
EUT Power Type	From AC Adapter / 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	
Resource Unit(802.11ax)	<input checked="" type="checkbox"/> Full RU	<input type="checkbox"/> Partial RU	
Type of EUT			
<input checked="" type="checkbox"/>	Stand-alone		
<input type="checkbox"/>	Combined (EUT where the radio part is fully integrated within another device)		
	Combined Equipment - Brand Name / Model No.:	...	
<input type="checkbox"/>	Plug-in radio (EUT intended for a variety of host systems)		
	Host System - Brand Name / Model No.:	...	
<input type="checkbox"/>	Other:		

1.1.4 Mode Test Duty Cycle

Non-Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11b_Nss1,(1Mbps)_2TX	0.629	2.01	665u	3k
802.11g_Nss1,(6Mbps)_2TX	0.965	0.15	1.977m	1k
802.11n HT20_Nss1,(MCS0)_2TX	0.877	0.57	5.429m	300
802.11n HT40_Nss1,(MCS0)_2TX	0.856	0.68	5.429m	300
VHT20_Nss1,(MCS0)_2TX	0.889	0.51	5.429m	300
VHT40_Nss1,(MCS0)_2TX	0.929	0.32	5.359m	300
802.11ax HEW20_Nss1,(MCS0)_2TX	0.947	0.24	5.446m	300
802.11ax HEW40_Nss1,(MCS0)_2TX	0.935	0.29	5.445m	300

Beamforming

Mode	DC	DCF(dB)	T(s)	VBW(Hz) ≥ 1/T
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	0.947	0.24	5.446m	300
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	0.935	0.29	5.445m	300

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

1.1.5 Table for Multiple Listing

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

Model Name	Description
FortiAP 233Gxxxxxx, FORTIAP-233Gxxxxxx, FAP-233Gxxxxxx, (where "x" can be used as "A-Z", or "0-9", or "-", or blank for software changes or marketing purposes only)	All the models are identical, the difference model served as marketing strategy.



## 1.2 Testing Applied Standards

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

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

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

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

## 1.3 Testing Location Information

Test Lab. : Sporton International Inc. Hsinhua Laboratory				
<input checked="" type="checkbox"/>	Hsinhua (TAF: 3785)	ADD: No.52, Huaya 1st Rd., Guishan Dist., Taoyuan City 333411, Taiwan (R.O.C.)		
		TEL: 886-3-327-3456	FAX: 886-3-327-0973	
Test site Designation No. TW3785 with FCC.				
Test Condition	Test Site No.	Test Engineer	Test Environment	Test Date
AC Conduction	CO04-HY	Bart Chen	23.4~24°C / 57~60%	04/Oct/2022
RF Conducted	TH01-HY	Johnny Yu	20.6~26.9°C / 50~60%	08/Aug/2022~15/Nov/2022
Radiated	03CH02-HY	Daniel Lin	21.9~25.7°C / 51~62%	10/Aug/2022~09/Nov/2022
Radiated for Co-location	03CH02-HY	Daniel Lin	21~24.4°C / 58~63%	18/Oct/2022~20/Oct/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%
Receiver Radiated Unwanted Emissions	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

#### Non-Beamforming\_Radio1

Test Software Version	QDART-Connectivity1.0-00081
-----------------------	-----------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23
2437MHz	23
2457MHz	23
2462MHz	22.5
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	21
2462MHz	20
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	20.5
2462MHz	20.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2437MHz	19.5
2447MHz	18
2452MHz	19
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	20.5
2462MHz	20.5
VHT40_Nss1,(MCS0)_2TX	-



Mode	Power Setting
2422MHz	19.5
2437MHz	19.5
2447MHz	18
2452MHz	19
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	20.5
2462MHz	20.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2437MHz	19.5
2447MHz	18
2452MHz	19



Non-Beamforming\_Radio3

Test Software Version	QDART-Connectivity1.0-00081
-----------------------	-----------------------------

Mode	Power Setting
802.11b_Nss1,(1Mbps)_2TX	-
2412MHz	23
2437MHz	23
2462MHz	23
802.11g_Nss1,(6Mbps)_2TX	-
2412MHz	20.5
2417MHz	23
2437MHz	23
2457MHz	21
2462MHz	17.5
802.11n HT20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	23
2437MHz	23
2457MHz	20
2462MHz	14.5
802.11n HT40_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	20
2437MHz	19.5
2447MHz	16.5
2452MHz	16.5
VHT20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	23
2437MHz	23
2457MHz	20
2462MHz	14.5
VHT40_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	20
2437MHz	19.5
2447MHz	16.5



Mode	Power Setting
2452MHz	16.5
802.11ax HEW20_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	23
2437MHz	23
2457MHz	20
2462MHz	14.5
802.11ax HEW40_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	20
2437MHz	19.5
2447MHz	16.5
2452MHz	16.5



Beamforming\_Radio1

Test Software Version	DOS V6.1
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Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	20.5
2417MHz	22
2437MHz	23
2457MHz	20.5
2462MHz	20.2
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	19.5
2437MHz	19.5
2447MHz	18
2452MHz	19



Beamforming\_Radio3




Test Software Version	DOS V6.1
-----------------------	----------

Mode	Power Setting
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-
2412MHz	18.5
2417MHz	23
2437MHz	23
2457MHz	20
2462MHz	14.5
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-
2422MHz	19
2427MHz	20
2437MHz	19.5
2447MHz	16.5
2452MHz	16.5

## 2.2 The Worst Case Measurement Configuration

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

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

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



The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Simultaneous Transmission Analysis
<b>Test Condition</b>	Radiated measurement
<b>Operating Mode</b>	Normal Link
1	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Bluetooth
2	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Bluetooth
3	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Bluetooth
4	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Zigbee
5	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Zigbee
6	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Zigbee
7	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Bluetooth
8	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Zigbee
Refer to Appendix G for Radiated Emission Co-location.	

The Worst Case Mode for Following Conformance Tests	
<b>Tests Item</b>	Simultaneous Transmission Analysis
<b>Operating Mode</b>	CTX
1	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Bluetooth
2	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Bluetooth
3	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Bluetooth
4	Radio 1:2.4G + Radio 2:5G + Radio 3:2.4G + Zigbee
5	Radio 1:2.4G + Radio 2:5G + Radio 3:5G + Zigbee
6	Radio 1:2.4G + Radio 2:5G + Radio 3:6G + Zigbee
7	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Bluetooth
8	Radio 1:2.4G + (Radio 2:5G(Low Band) + Radio 3:5G(High Band)) + Zigbee
Refer to Sporton Test Report No.: FA262434 for Co-location RF Exposure Evaluation.	





### 2.3 Accessories

Accessories				
Bracket ceiling mount 1	Brand Name	DRAGONJET CORPORATION	Model Name	CLIP CEILING 9/16 LFP
Bracket ceiling mount 2	Brand Name	DRAGONJET CORPORATION	Model Name	CLIP CEILING 15/16 LFP

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

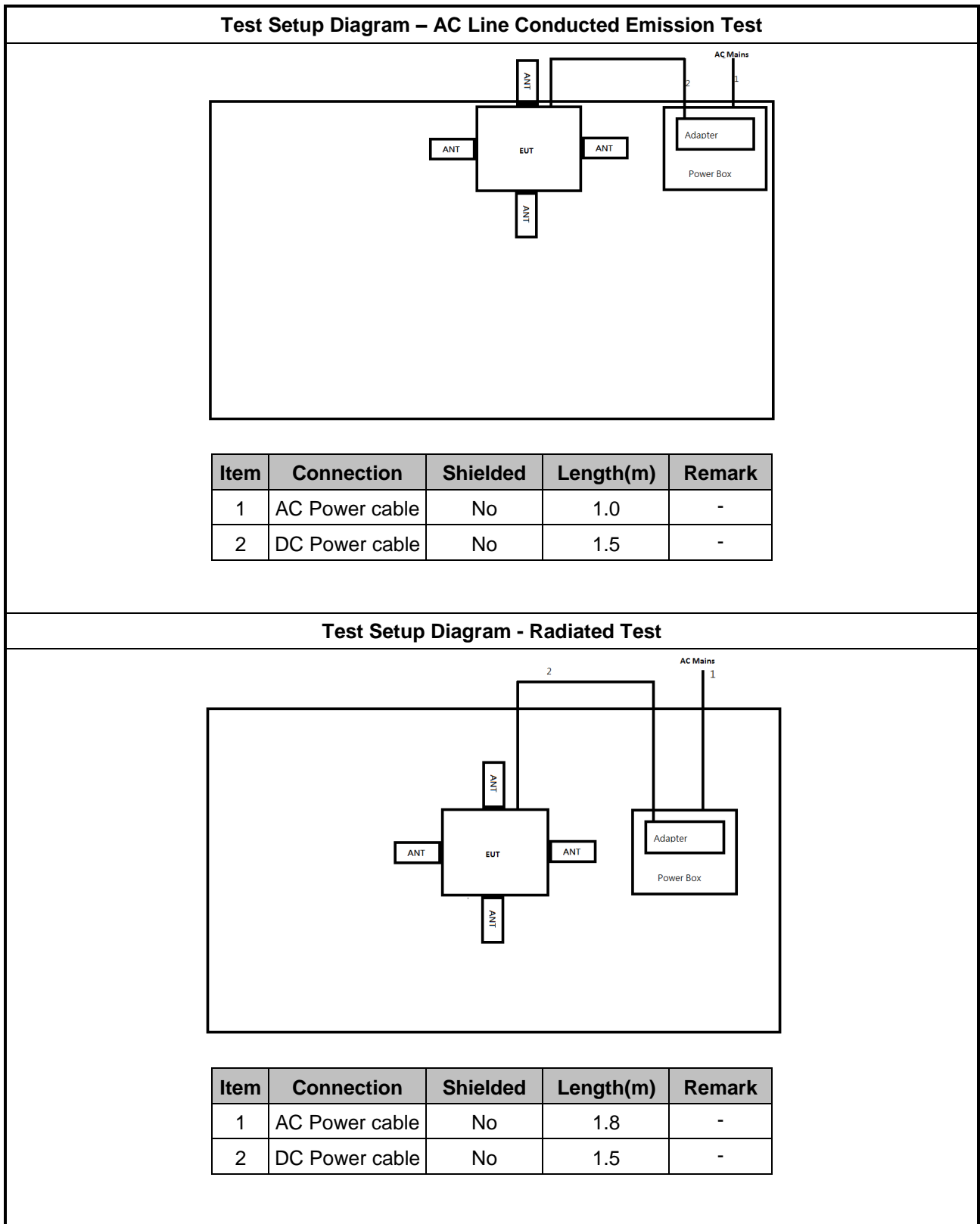
### 2.4 Support Equipment

Support Equipment – AC Conduction					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power sync	PW-GPC180-3	-	-
2	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

Support Equipment – Conducted					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	Notebook	DELL	E5410	-	-
2	Adapter for NB	DELL	HA65NM130	-	-
3	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer
4	PoE Adapter	SENAO	EPA5006GPR	-	Provided by Customer
5	Client For BF	Fortinet	FAP-231G	-	Provided by Customer

Support Equipment – Radiated					
No.	Equipment	Brand Name	Model Name	FCC ID	Remark
1	AC Power cable	Power sync	PW-GPC180-3	-	-
2	AC Adapter	ASIAN POWER DEVICES INC.	WA-48A12R	-	Provided by Customer

## 2.5 Test Setup Diagram



### 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

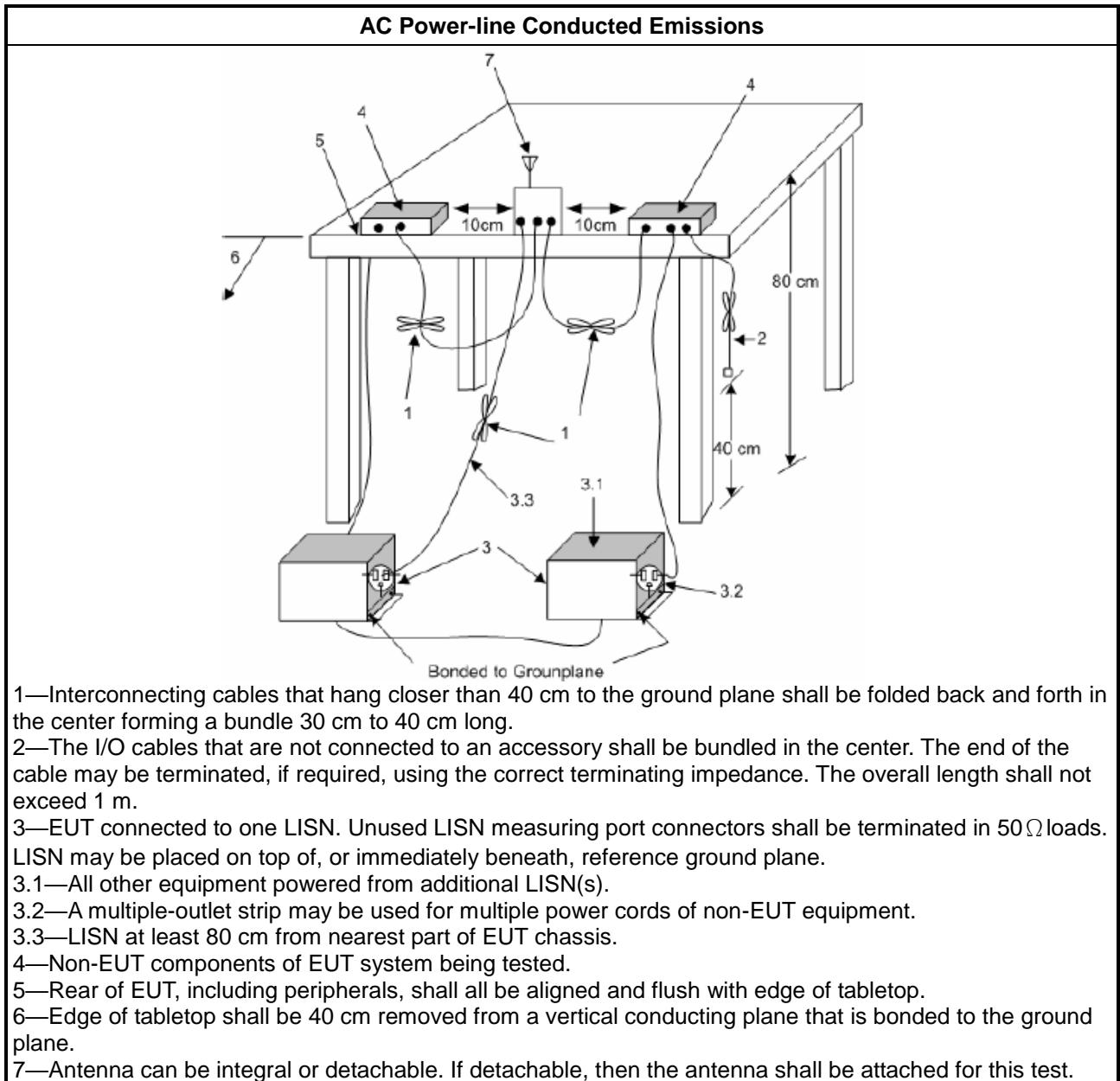
Test Method
<input checked="" type="checkbox"/> Refer as ANSI C63.10-2013, clause 6.2 for AC power-line conducted emissions.

##### 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
<b>Systems using digital modulation techniques:</b>
<ul style="list-style-type: none"> <li>▪ 6 dB bandwidth <math>\geq</math> 500 kHz.</li> </ul>

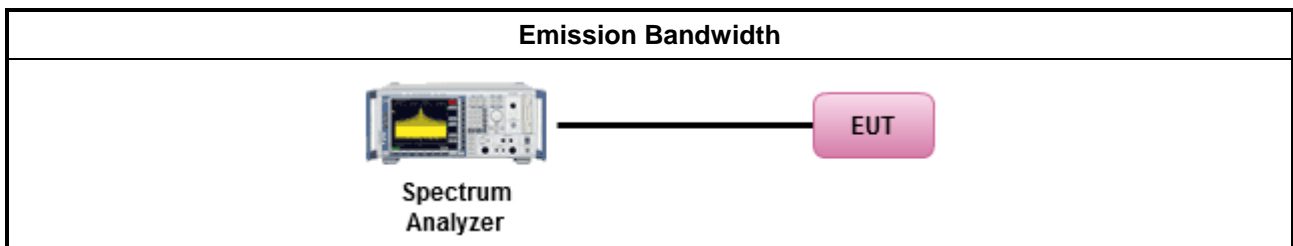
#### 3.2.2 Measuring Instruments

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

#### 3.2.3 Test Procedures

Test Method
<ul style="list-style-type: none"> <li>▪ For the emission bandwidth shall be measured using one of the options below:</li> </ul>
<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><math>P_{Out}</math> = maximum peak conducted output power or maximum conducted output power in dBm,  <math>G_{TX}</math> = the maximum transmitting antenna directional gain in dBi.</p>	

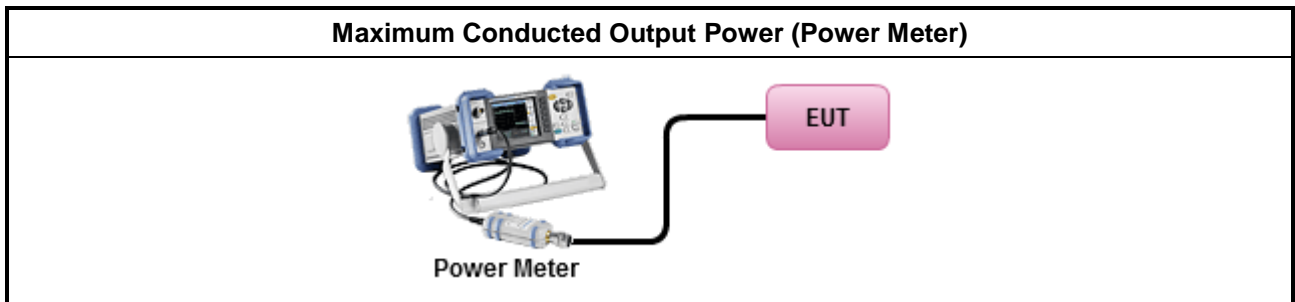
#### 3.3.2 Measuring Instruments

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</math> 8 dBm/3kHz</li> </ul>

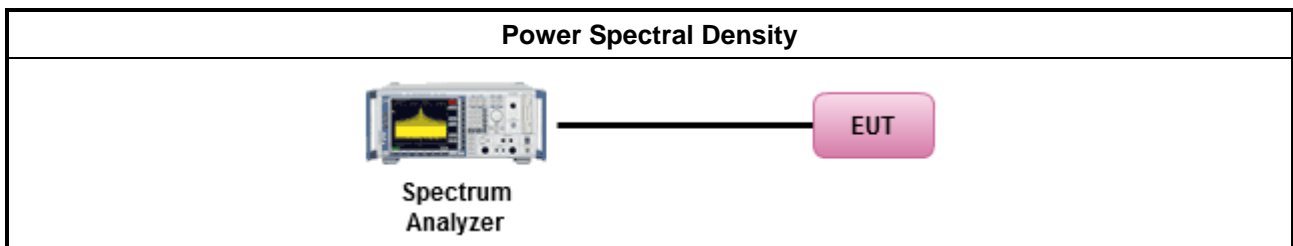
#### 3.4.2 Measuring Instruments

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.

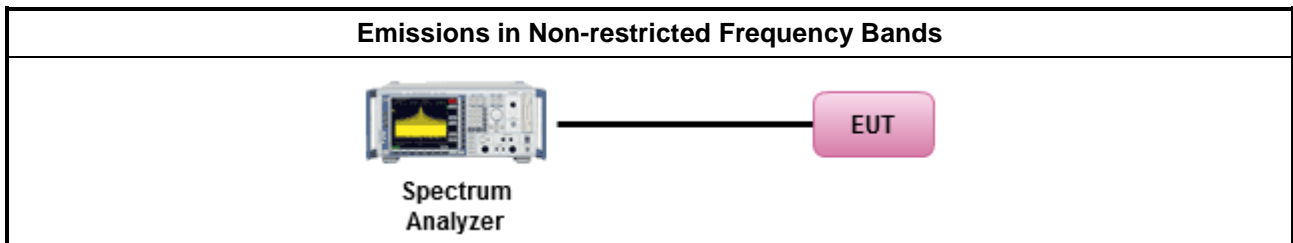
#### 3.5.2 Measuring Instruments

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

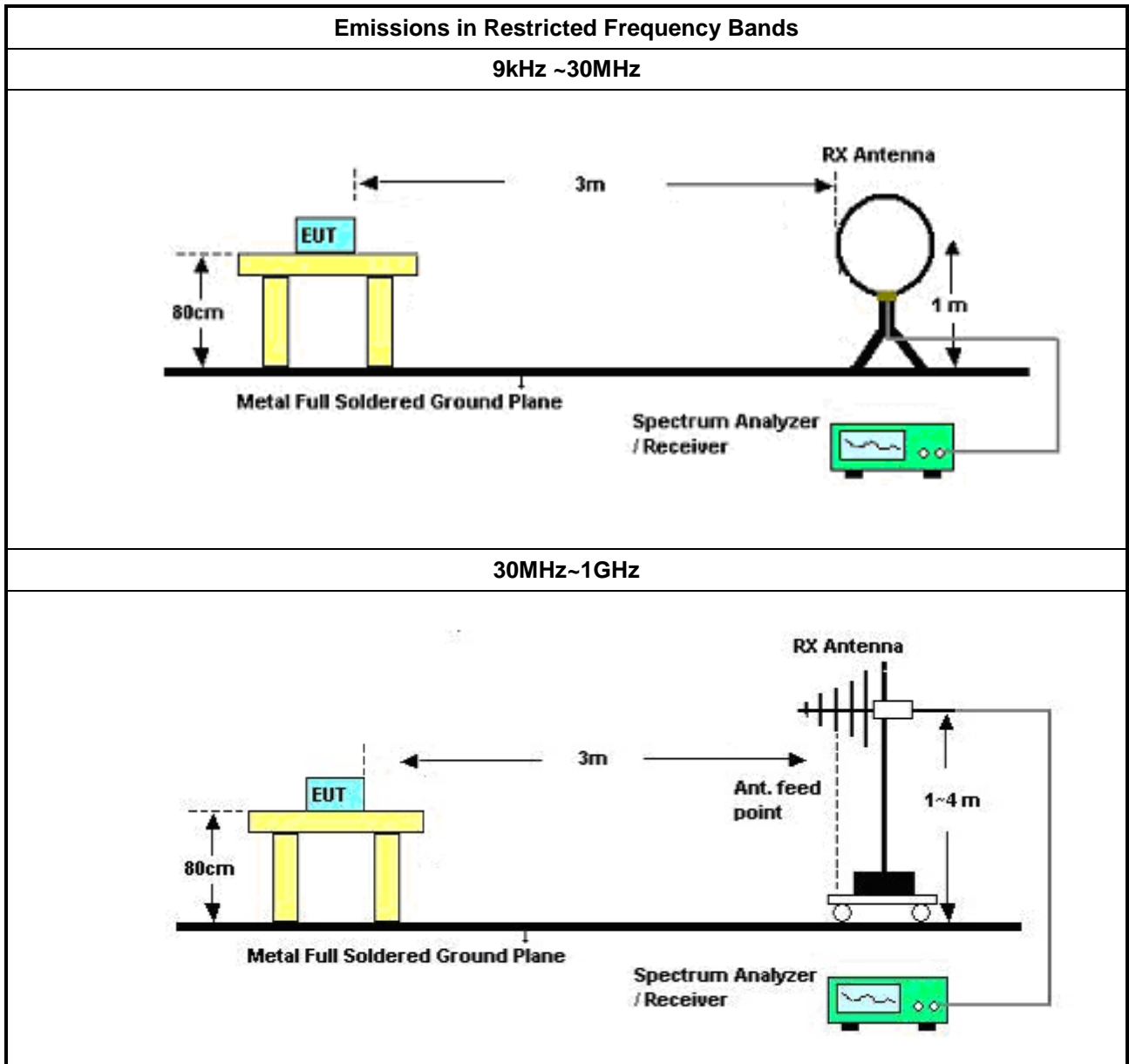
<b>Test Method</b>	
	<ul style="list-style-type: none"> <li>▪ The average emission levels shall be measured in [duty cycle <math>\geq</math> 98 or duty factor].</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Refer as ANSI C63.10, clause 6.10.3 band-edge testing shall be performed at the lowest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

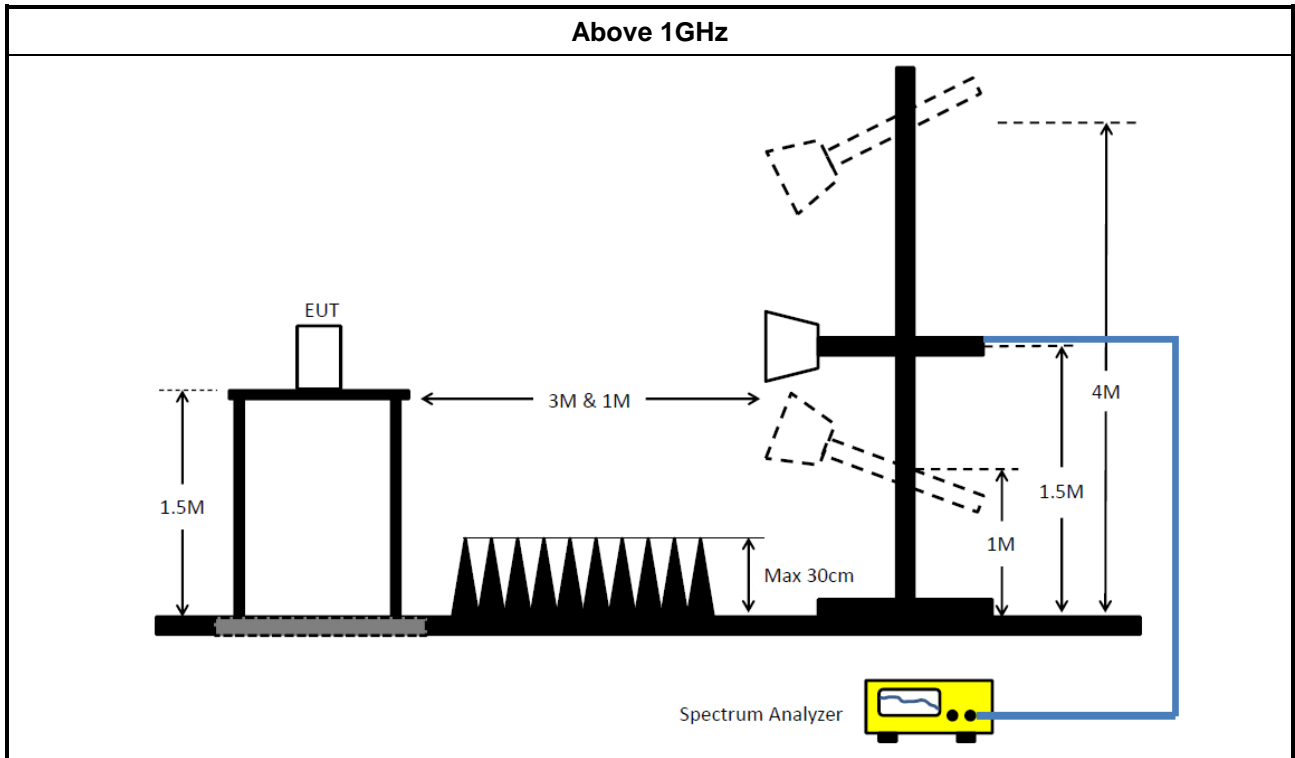
### 3.6.4 Measurement Results Calculation

The measured Level is calculated using:

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

3.6.5 Test Setup





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

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

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

Refer as Appendix F



### 4 Test Equipment and Calibration Data

#### Instrument for AC Conduction

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
EMI Test Receiver	R&S	ESR3	102051	9kHz ~ 3.6GHz	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	V5.10.8.7	-	NCR	NCR

NCR: No Calibration Required

#### Instrument for Conducted Test

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
Signal Analyzer	R&S	FSV 40	101013	10Hz~40GHz	01/Apr/2022	31/Mar/2023
Signal Generator	R&S	SMB100A	181239	1 MHz ~40GHz	05/Jan/2022	04/Jan/2023
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	V5.10.8.7.1	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	03CH02-HY	30MHz~1GHz 3m	31/Jul/2022	30/Jul/2023
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Amplifier	Agilent	8447D	2944A11149	100kHz~1.3GHz	28/Jun/2022	27/Jun/2023
Microwave Preamplifier	Agilent	8449B	3008A02373	1GHz~26.5GHz	03/Nov/2021	02/Nov/2022
Microwave System Prempplier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02744	1GHz ~18GHz	09/Aug/2022	08/Aug/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	14/Sep/2021	13/Sep/2022
Bilog Antenna & 5dB Attenuator	SCHAFFNER / MTJ	CBL 6112B / MTJ6102-05	2723 / 2	30MHz~1GHz	28/Aug/2022	27/Aug/2023
RF Cable	MVE	400LL	MVE-1-0802	9kHz~30MHz	04/May/2022	03/May/2023
RF Cable	MVE	400LL	MVE-1-0802	30MHz~1GHz	04/May/2022	03/May/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/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
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
SENSE-15247_DTS	Sporton	V5.10.8.3	N/A	N/A	N/A	N/A

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

Instrument	Manufacturer /Brand	Model No.	Serial No.	Spec.	Calibration Date	Calibration Due Date
3m Semi Anechoic Chamber	SIDT FRANKONIA	SAC-3M	03CH02-HY	1GHz~18GHz 3m	30/Jul/2022	29/Jul/2023
Signal Analyzer	R&S	FSP40	100593	9kHz~40GHz	08/Apr/2022	07/Apr/2023
Microwave System Prempplier	KEYSIGHT	83017A	MY53270197	1GHz~26.5GHz	30/Nov/2021	29/Nov/2022
Double Ridged Guide Horn Antenna	SCHWARZBECK	BBHA 9120 D	02268	1GHz ~18GHz	27/Sep/2022	26/Sep/2023
RF Cable-R03m	HUBER+SUHNER	SUCOFLEX104	805193/4+805192/4	1GHz~40GHz	01/Apr/2022	31/Mar/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	V5.10.8.3	N/A	N/A	N/A	N/A



**Summary**

Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition
Mode 1	Pass	QP	163.117k	47.68	65.31	-17.63	Line

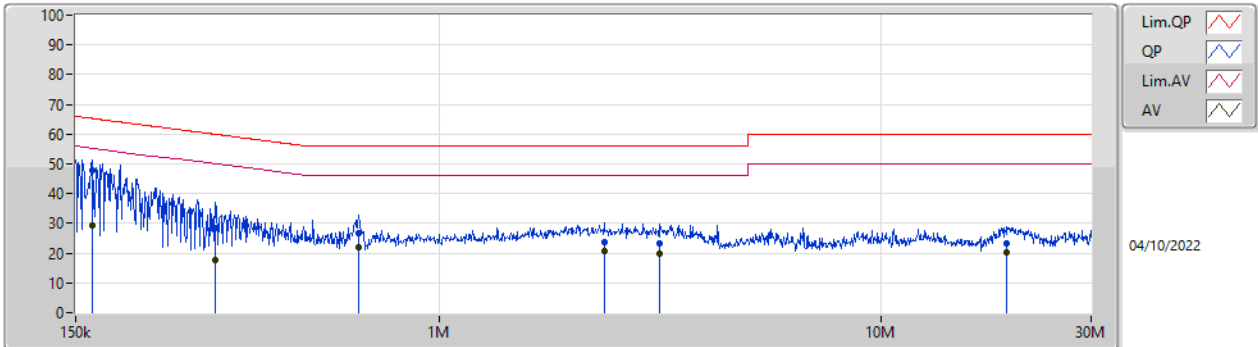




Result

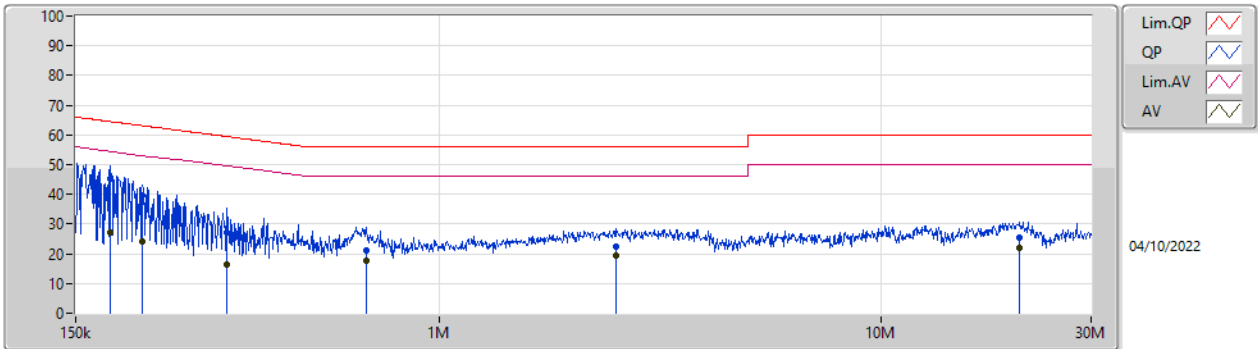
Mode	Result	Type	Freq (Hz)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Condition	Comments
Mode 1	Pass	QP	163.117k	47.68	65.31	-17.63	Line	-
Mode 1	Pass	AV	163.117k	29.18	55.31	-26.13	Line	-
Mode 1	Pass	QP	311.43k	28.48	59.94	-31.46	Line	-
Mode 1	Pass	AV	311.43k	17.77	49.94	-32.17	Line	-
Mode 1	Pass	QP	656.999k	26.54	56.00	-29.46	Line	-
Mode 1	Pass	AV	656.999k	22.17	46.00	-23.83	Line	-
Mode 1	Pass	QP	2.366M	23.69	56.00	-32.31	Line	-
Mode 1	Pass	AV	2.366M	20.54	46.00	-25.46	Line	-
Mode 1	Pass	QP	3.167M	23.33	56.00	-32.67	Line	-
Mode 1	Pass	AV	3.167M	19.97	46.00	-26.03	Line	-
Mode 1	Pass	QP	19.321M	23.23	60.00	-36.77	Line	-
Mode 1	Pass	AV	19.321M	20.33	50.00	-29.67	Line	-
Mode 1	Pass	QP	179.518k	45.28	64.51	-19.23	Neutral	-
Mode 1	Pass	AV	179.518k	27.13	54.51	-27.38	Neutral	-
Mode 1	Pass	QP	212.287k	39.74	63.11	-23.37	Neutral	-
Mode 1	Pass	AV	212.287k	24.05	53.11	-29.06	Neutral	-
Mode 1	Pass	QP	330.648k	27.09	59.44	-32.35	Neutral	-
Mode 1	Pass	AV	330.648k	16.57	49.44	-32.87	Neutral	-
Mode 1	Pass	QP	683.758k	21.23	56.00	-34.77	Neutral	-
Mode 1	Pass	AV	683.758k	17.48	46.00	-28.52	Neutral	-
Mode 1	Pass	QP	2.512M	22.22	56.00	-33.78	Neutral	-
Mode 1	Pass	AV	2.512M	19.27	46.00	-26.73	Neutral	-
Mode 1	Pass	QP	20.677M	25.41	60.00	-34.59	Neutral	-
Mode 1	Pass	AV	20.677M	21.99	50.00	-28.01	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	47.68	65.31	-17.63	19.63	Line	-	28.05	9.69	0.03	9.91
AV	163.117k	29.18	55.31	-26.13	19.63	Line	-	9.55	9.69	0.03	9.91
QP	311.43k	28.48	59.94	-31.46	19.63	Line	-	8.85	9.68	0.04	9.91
AV	311.43k	17.77	49.94	-32.17	19.63	Line	-	-1.86	9.68	0.04	9.91
QP	656.999k	26.54	56.00	-29.46	19.65	Line	-	6.89	9.68	0.05	9.92
AV	656.999k	22.17	46.00	-23.83	19.65	Line	-	2.52	9.68	0.05	9.92
QP	2.366M	23.69	56.00	-32.31	19.71	Line	-	3.98	9.70	0.09	9.92
AV	2.366M	20.54	46.00	-25.46	19.71	Line	-	0.83	9.70	0.09	9.92
QP	3.167M	23.33	56.00	-32.67	19.74	Line	-	3.59	9.71	0.11	9.92
AV	3.167M	19.97	46.00	-26.03	19.74	Line	-	0.23	9.71	0.11	9.92
QP	19.321M	23.23	60.00	-36.77	19.99	Line	-	3.24	9.79	0.27	9.93
AV	19.321M	20.33	50.00	-29.67	19.99	Line	-	0.34	9.79	0.27	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	179.518k	45.28	64.51	-19.23	19.66	Neutral	-	25.62	9.72	0.03	9.91
AV	179.518k	27.13	54.51	-27.38	19.66	Neutral	-	7.47	9.72	0.03	9.91
QP	212.287k	39.74	63.11	-23.37	19.66	Neutral	-	20.08	9.72	0.03	9.91
AV	212.287k	24.05	53.11	-29.06	19.66	Neutral	-	4.39	9.72	0.03	9.91
QP	330.648k	27.09	59.44	-32.35	19.67	Neutral	-	7.42	9.72	0.04	9.91
AV	330.648k	16.57	49.44	-32.87	19.67	Neutral	-	-3.10	9.72	0.04	9.91
QP	683.758k	21.23	56.00	-34.77	19.70	Neutral	-	1.53	9.73	0.05	9.92
AV	683.758k	17.48	46.00	-28.52	19.70	Neutral	-	-2.22	9.73	0.05	9.92
QP	2.512M	22.22	56.00	-33.78	19.77	Neutral	-	2.45	9.75	0.10	9.92
AV	2.512M	19.27	46.00	-26.73	19.77	Neutral	-	-0.50	9.75	0.10	9.92
QP	20.677M	25.41	60.00	-34.59	20.21	Neutral	-	5.20	10.00	0.28	9.93
AV	20.677M	21.99	50.00	-28.01	20.21	Neutral	-	1.78	10.00	0.28	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)_2TX	8.075M	12.913M	12M9G1D	7.05M	12.681M
802.11g_Nss1,(6Mbps)_2TX	16M	16.439M	16M4D1D	15.225M	16.333M
802.11n HT20_Nss1,(MCS0)_2TX	16.9M	17.68M	17M7D1D	15.5M	17.533M
802.11n HT40_Nss1,(MCS0)_2TX	36M	36.193M	36M2D1D	34.4M	35.899M
VHT20_Nss1,(MCS0)_2TX	16.65M	17.656M	17M7D1D	15.3M	17.558M
VHT40_Nss1,(MCS0)_2TX	36.3M	36.144M	36M1D1D	31.3M	35.948M
802.11ax HEW20_Nss1,(MCS0)_2TX	18.125M	18.929M	18M9D1D	15.9M	18.856M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.8M	37.809M	37M8D1D	33.2M	37.466M

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



Result

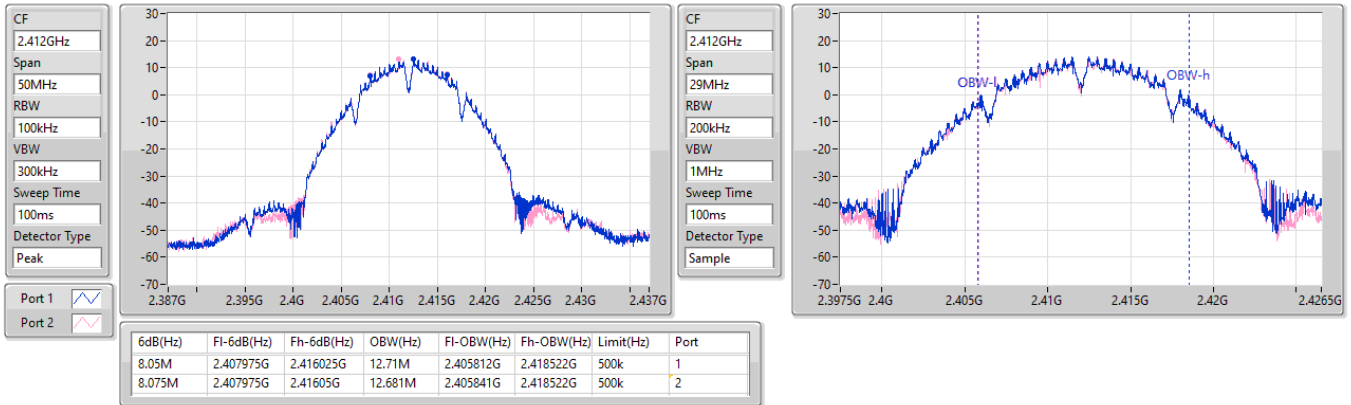
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8.05M	12.71M	8.075M	12.681M
2437MHz	Pass	500k	8.025M	12.899M	8.05M	12.884M
2462MHz	Pass	500k	7.05M	12.855M	7.05M	12.913M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.425M	16.333M	15.7M	16.376M
2437MHz	Pass	500k	15.525M	16.397M	15.7M	16.439M
2462MHz	Pass	500k	15.225M	16.354M	16M	16.397M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.25M	17.558M	15.525M	17.558M
2437MHz	Pass	500k	16.275M	17.582M	16.9M	17.68M
2462MHz	Pass	500k	15.5M	17.533M	16.3M	17.582M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	34.4M	35.997M	35.1M	36.046M
2437MHz	Pass	500k	35.95M	36.046M	36M	36.193M
2452MHz	Pass	500k	35.1M	35.997M	35M	35.899M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	15.825M	17.582M	16.275M	17.582M
2437MHz	Pass	500k	16.275M	17.631M	16.65M	17.656M
2462MHz	Pass	500k	15.3M	17.558M	16.525M	17.582M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	33.1M	35.948M	35.7M	36.046M
2437MHz	Pass	500k	36.05M	36.046M	36.3M	36.144M
2452MHz	Pass	500k	36.3M	36.046M	31.3M	35.948M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	18.125M	18.905M	15.9M	18.88M
2437MHz	Pass	500k	17.325M	18.905M	16.6M	18.929M
2462MHz	Pass	500k	16.35M	18.856M	16.825M	18.88M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	36.5M	37.564M	37.05M	37.564M
2437MHz	Pass	500k	37.7M	37.711M	37.8M	37.809M
2452MHz	Pass	500k	37.65M	37.564M	33.2M	37.466M

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

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX  
2412MHz

EBW

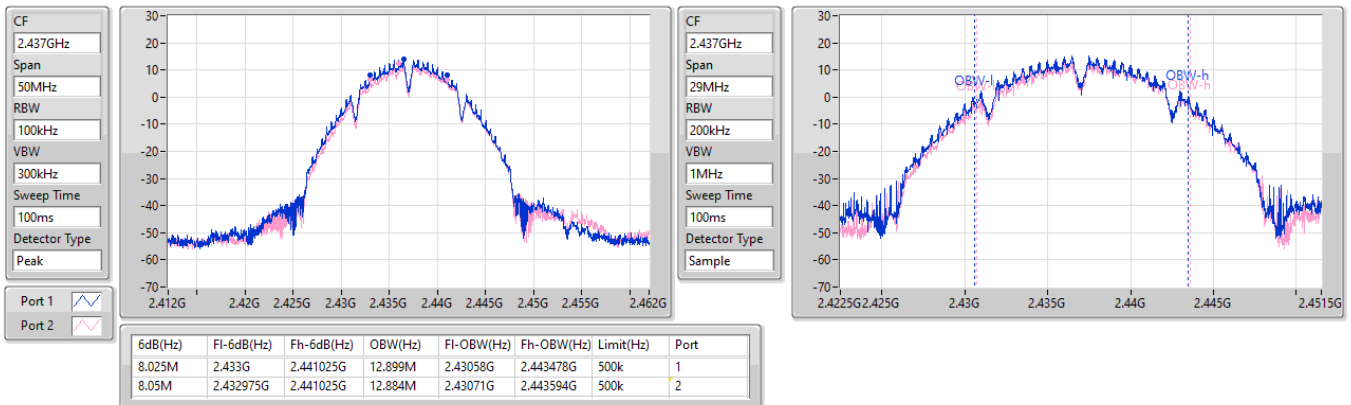
10/10/2022



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX  
2437MHz

EBW

10/10/2022

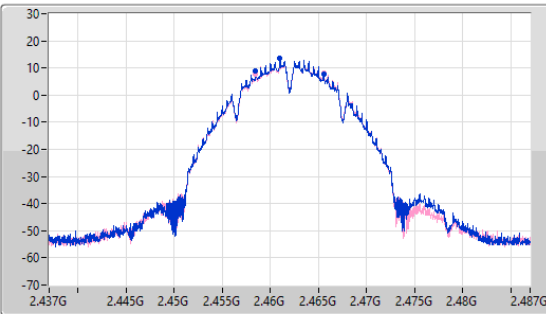


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX  
2462MHz

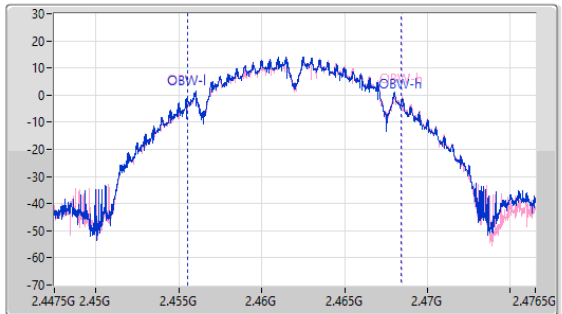
EBW

10/10/2022

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



CF  
2.462GHz  
Span  
29MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



Port 1  
Port 2

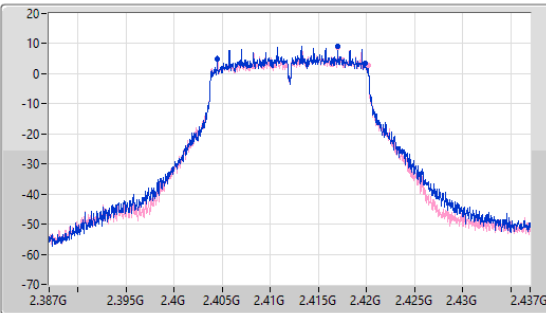
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
7.05M	2.458475G	2.465525G	12.855M	2.455522G	2.468377G	500k	1
7.05M	2.458475G	2.465525G	12.913M	2.455551G	2.468464G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX  
2412MHz

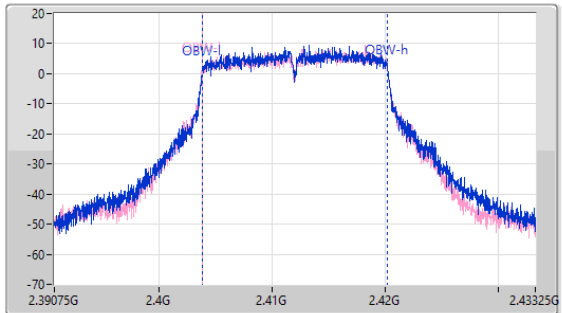
EBW

10/10/2022

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



CF  
2.412GHz  
Span  
42.5MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



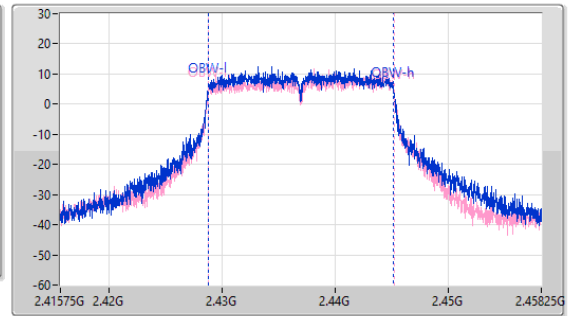
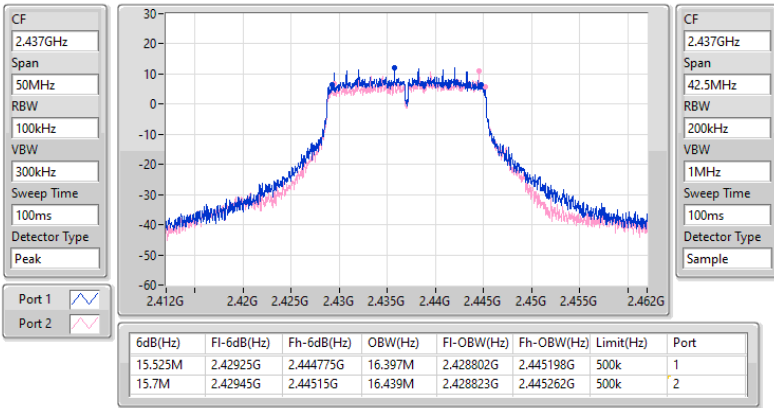
Port 1  
Port 2

6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.425M	2.40445G	2.419875G	16.333M	2.403865G	2.420198G	500k	1
15.7M	2.40445G	2.42015G	16.376M	2.403823G	2.420198G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX  
2437MHz

EBW

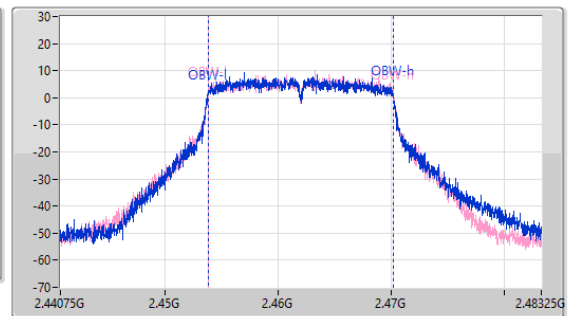
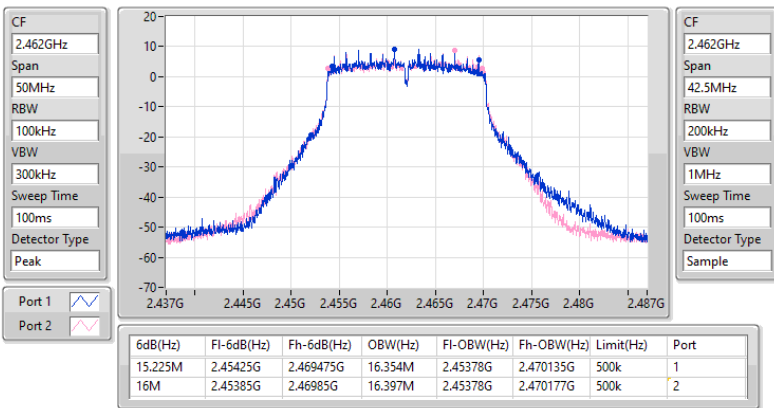
10/10/2022



2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX  
2462MHz

EBW

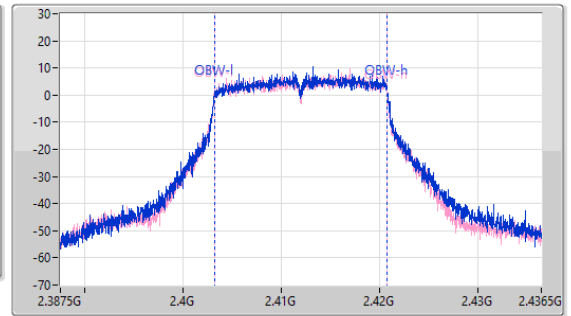
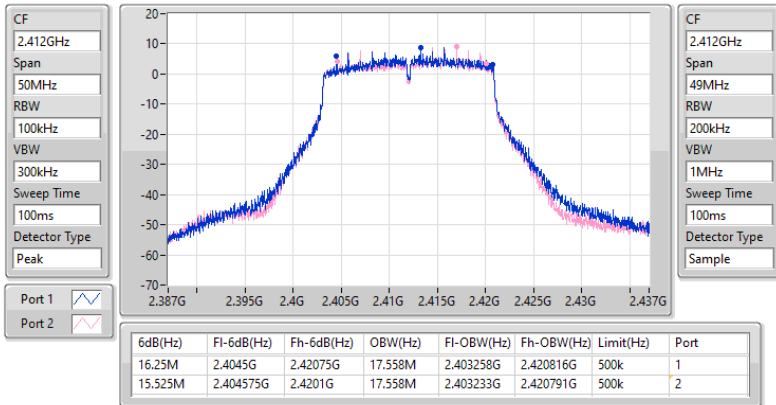
10/10/2022



2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_2TX  
2412MHz

EBW

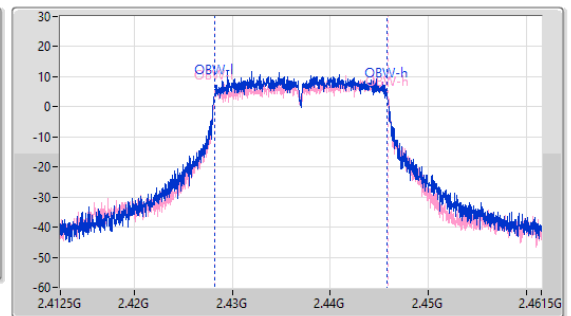
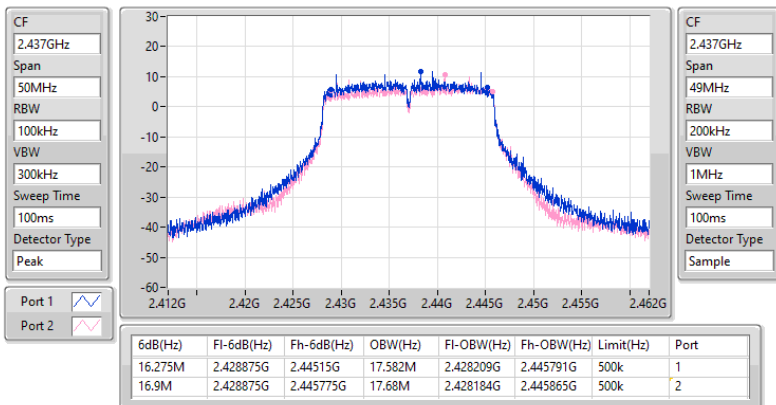
10/10/2022



2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

10/10/2022

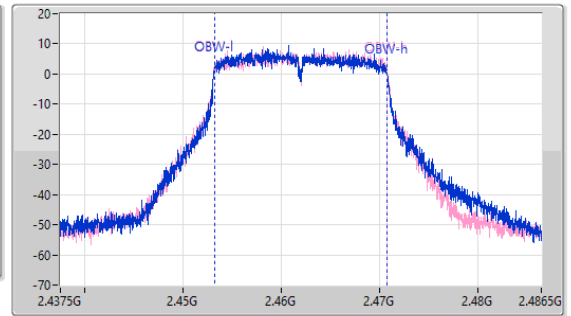
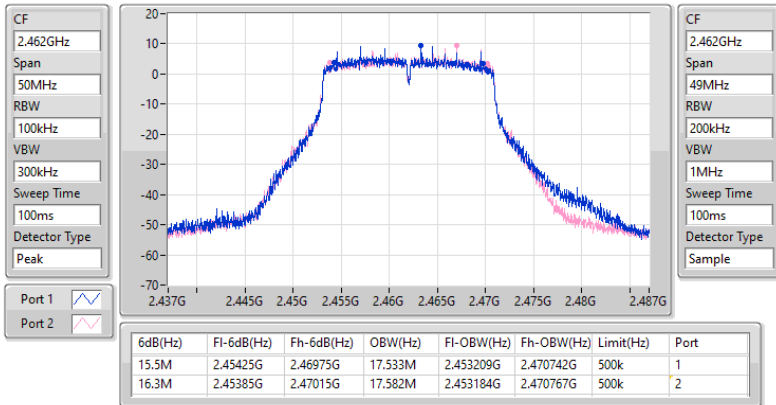




2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_2TX  
2462MHz

EBW

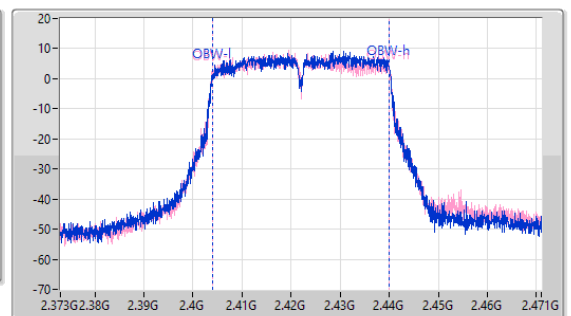
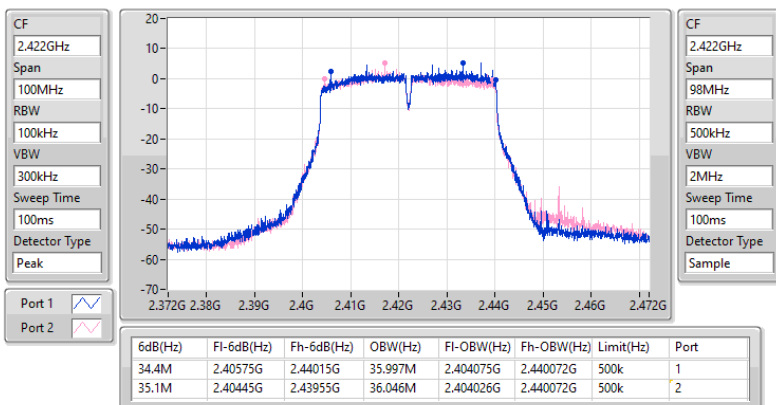
10/10/2022



2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX  
2422MHz

EBW

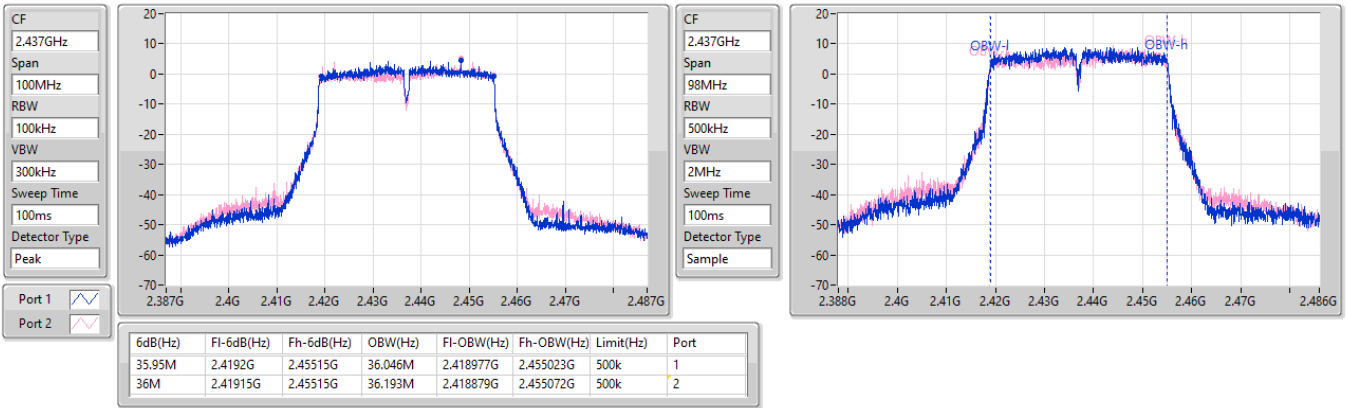
10/10/2022



2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

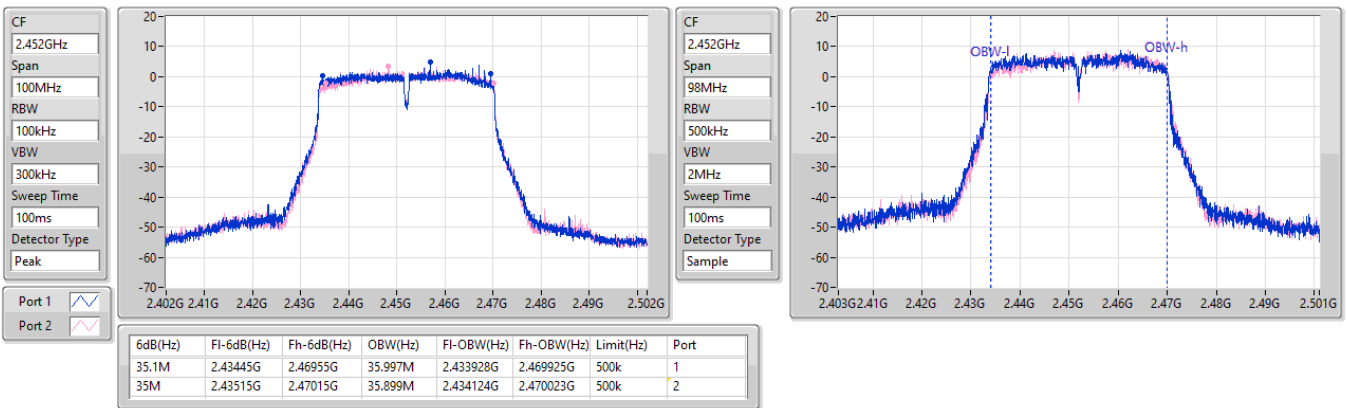
10/10/2022



2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

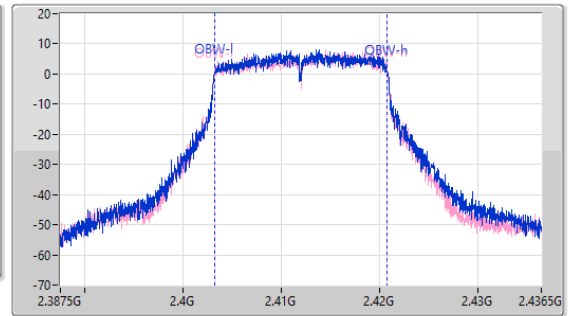
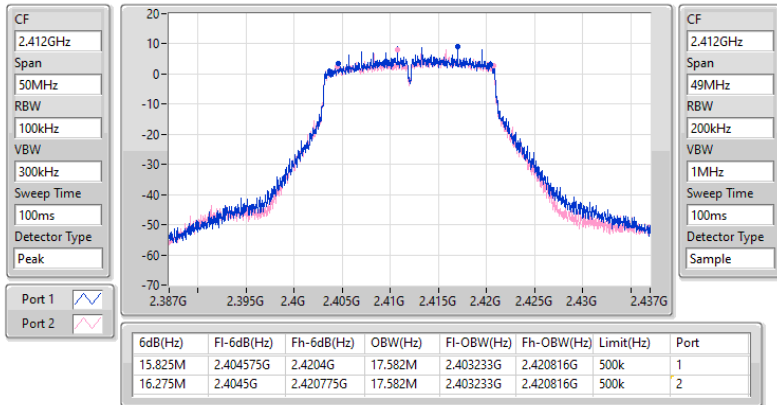
10/10/2022



2.4-2.4835GHz\_VHT20\_Nss1,(MCS0)\_2TX  
2412MHz

EBW

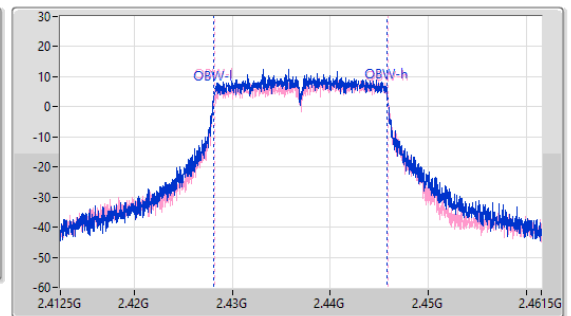
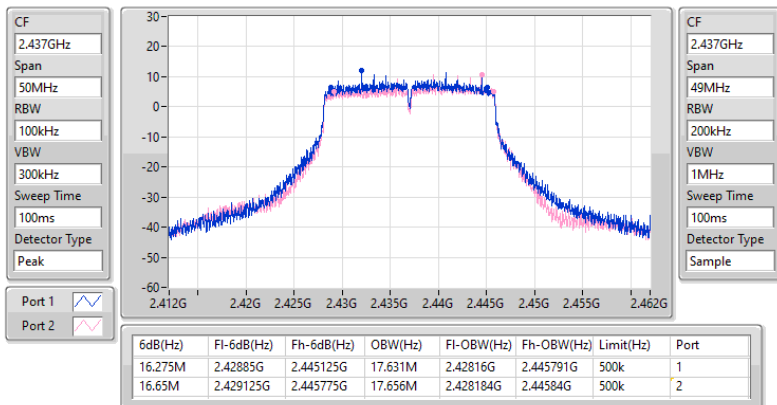
10/10/2022



2.4-2.4835GHz\_VHT20\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

10/10/2022

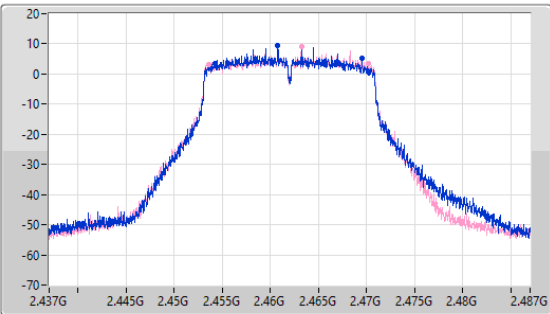


2.4-2.4835GHz\_VHT20\_Nss1,(MCS0)\_2TX  
2462MHz

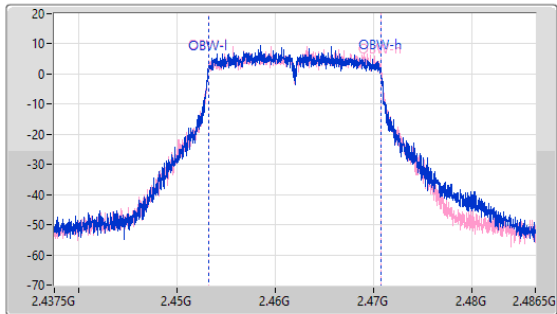
EBW

10/10/2022

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



CF  
2.462GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



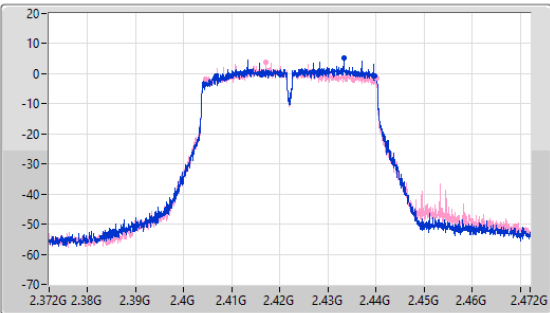
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
15.3M	2.45425G	2.46955G	17.558M	2.453184G	2.470742G	500k	1
16.525M	2.453625G	2.47015G	17.582M	2.453209G	2.470791G	500k	2

2.4-2.4835GHz\_VHT40\_Nss1,(MCS0)\_2TX  
2422MHz

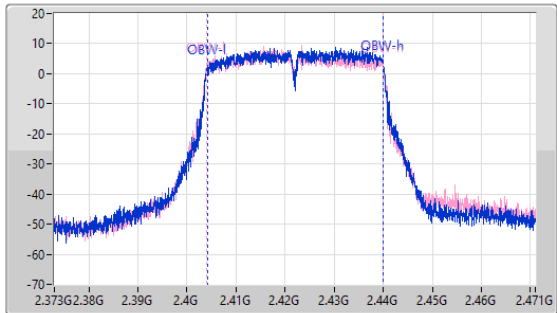
EBW

10/10/2022

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



CF  
2.422GHz  
Span  
98MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample

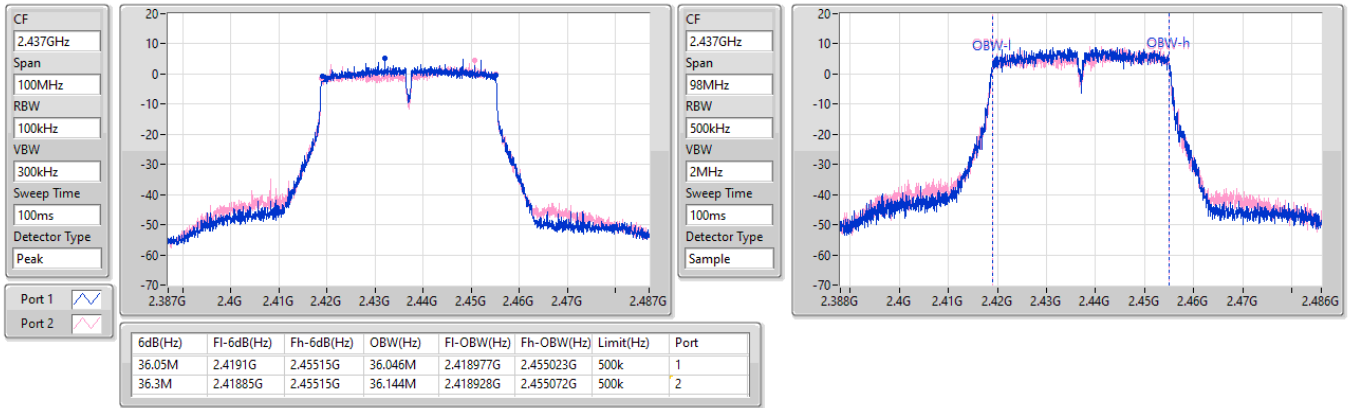


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
33.1M	2.4067G	2.4398G	35.948M	2.404124G	2.440072G	500k	1
35.7M	2.40445G	2.44015G	36.046M	2.403977G	2.440023G	500k	2

2.4-2.4835GHz\_VHT40\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

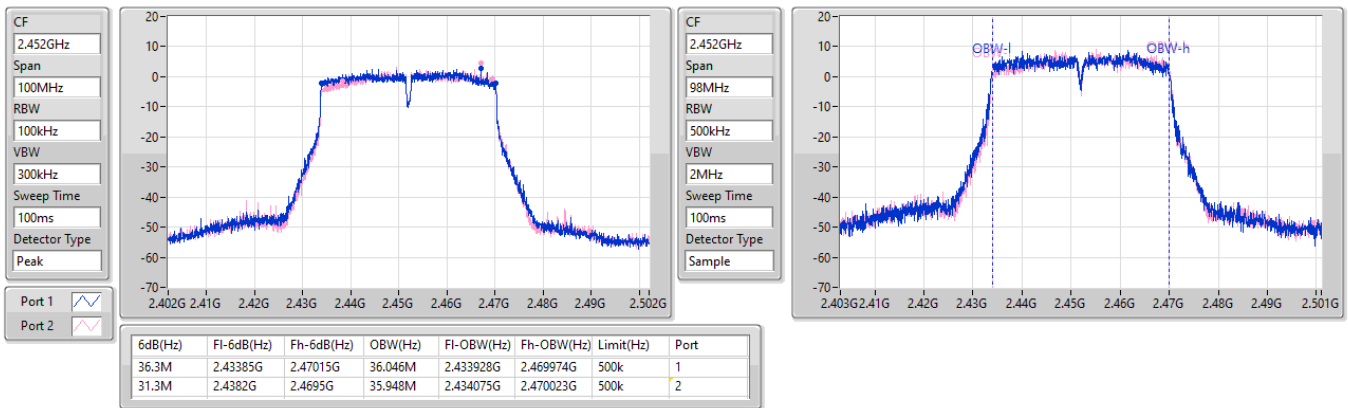
10/10/2022



2.4-2.4835GHz\_VHT40\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

10/10/2022

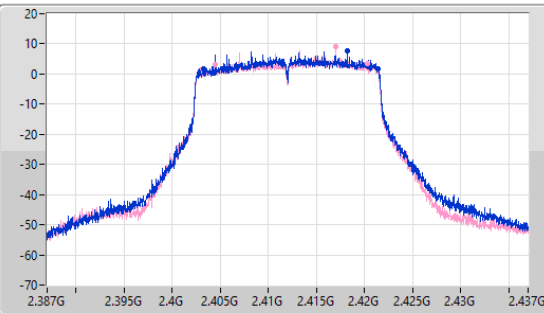


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2412MHz

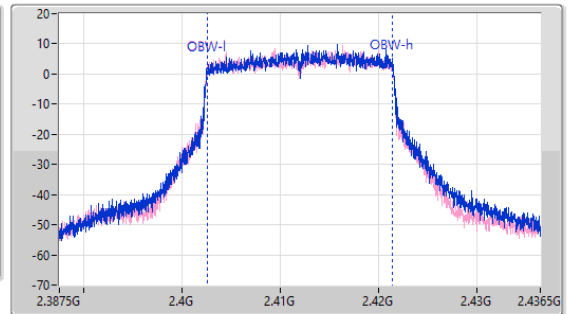
EBW

10/10/2022

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



CF  
2.412GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



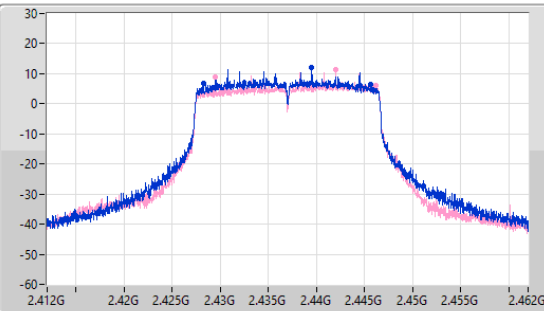
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
18.125M	2.403225G	2.42135G	18.905M	2.402572G	2.421477G	500k	1
15.9M	2.404425G	2.420325G	18.88M	2.402572G	2.421452G	500k	2

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2437MHz

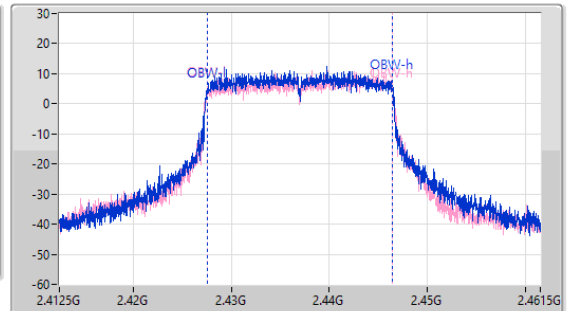
EBW

10/10/2022

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



CF  
2.437GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample

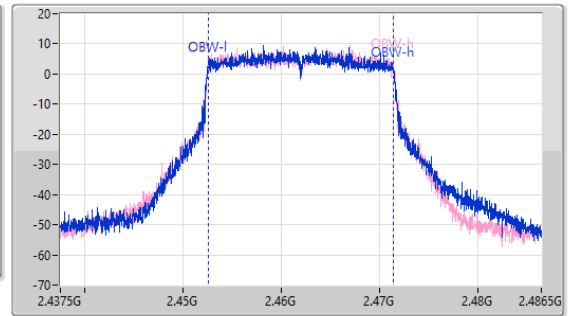
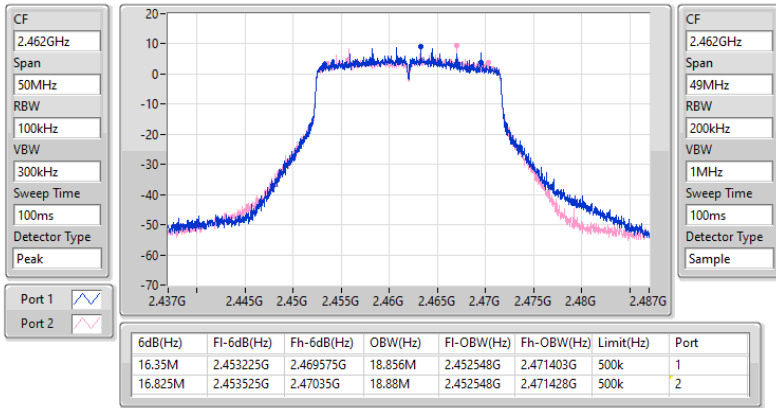


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.325M	2.428275G	2.4456G	18.905M	2.427548G	2.446452G	500k	1
16.6M	2.429525G	2.446125G	18.929M	2.427548G	2.446477G	500k	2

2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2462MHz

EBW

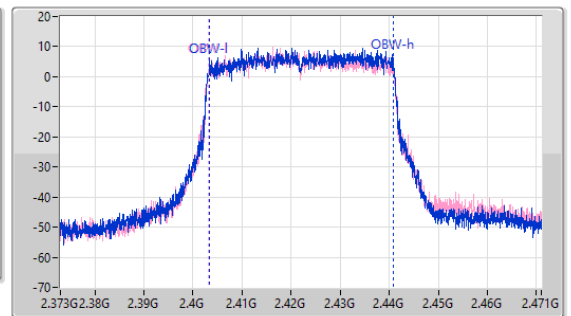
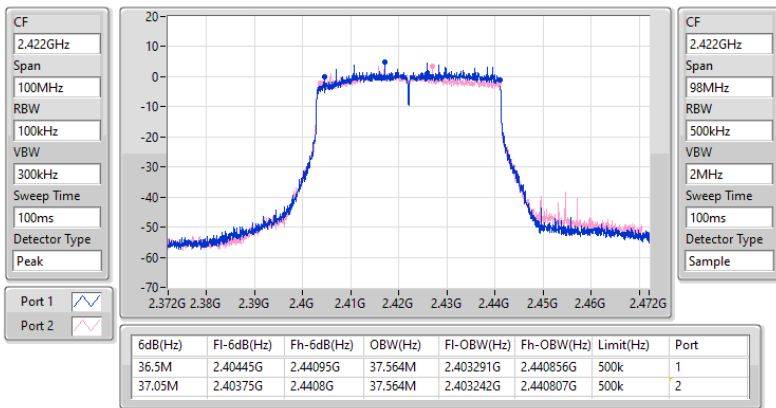
10/10/2022



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2422MHz

EBW

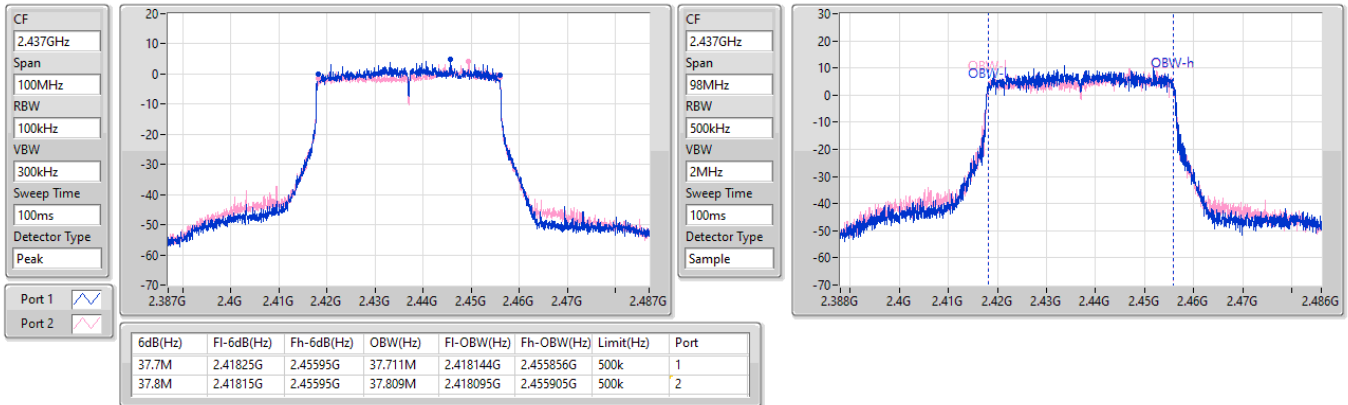
10/10/2022



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

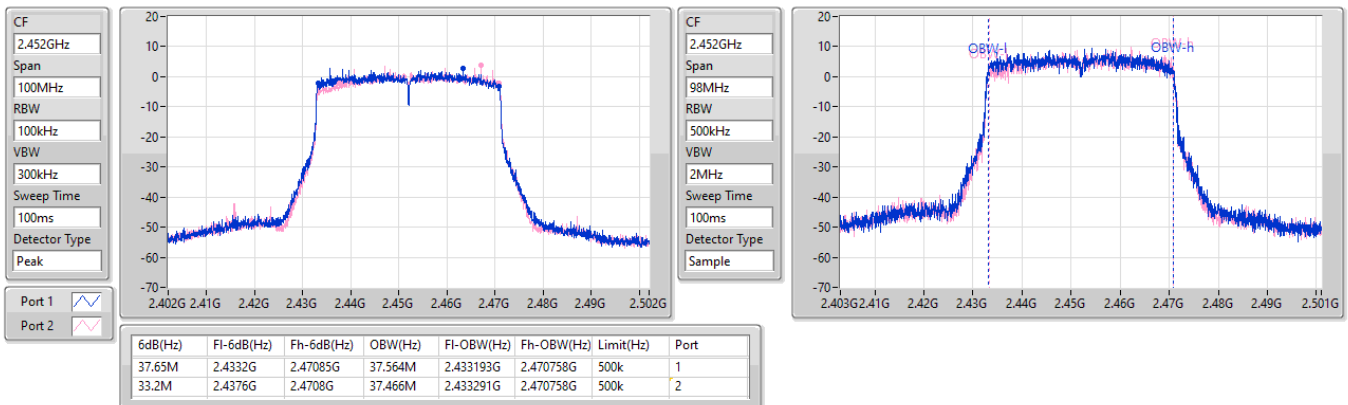
10/10/2022



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

10/10/2022







Summary

Mode	Max-N dB (Hz)	Max-OBW (Hz)	ITU-Code	Min-N dB (Hz)	Min-OBW (Hz)
2.4-2.4835GHz	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	8.025M	13.014M	13M0G1D	7.525M	12.841M
802.11g_Nss1,(6Mbps)_2TX	16.35M	16.545M	16M5D1D	16.3M	16.482M
802.11n HT20_Nss1,(MCS0)_2TX	17.625M	17.729M	17M7D1D	17.575M	17.68M
802.11n HT40_Nss1,(MCS0)_2TX	35.8M	36.046M	36M0D1D	35M	35.899M
VHT20_Nss1,(MCS0)_2TX	17.625M	17.754M	17M8D1D	17.55M	17.68M
VHT40_Nss1,(MCS0)_2TX	35.65M	36.046M	36M0D1D	32.55M	35.85M
802.11ax HEW20_Nss1,(MCS0)_2TX	19.075M	19.051M	19M1D1D	18.875M	18.978M
802.11ax HEW40_Nss1,(MCS0)_2TX	37.8M	37.662M	37M7D1D	36.55M	37.417M

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



Result

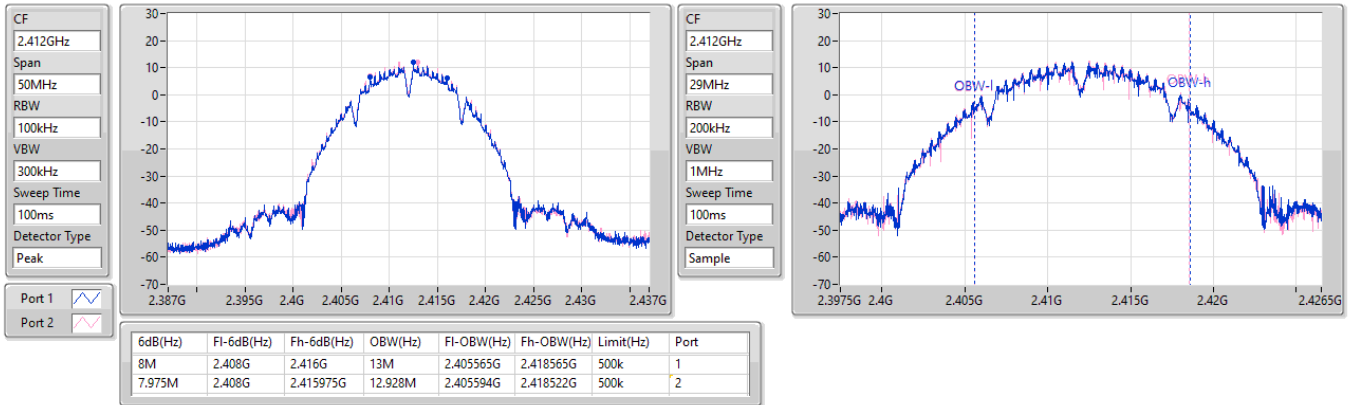
Mode	Result	Limit (Hz)	Port 1-N dB (Hz)	Port 1-OBW (Hz)	Port 2-N dB (Hz)	Port 2-OBW (Hz)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	8M	13M	7.975M	12.928M
2437MHz	Pass	500k	8M	13.014M	7.525M	13M
2462MHz	Pass	500k	8.025M	12.841M	7.55M	12.928M
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	16.3M	16.524M	16.325M	16.482M
2437MHz	Pass	500k	16.325M	16.545M	16.35M	16.524M
2462MHz	Pass	500k	16.325M	16.482M	16.325M	16.482M
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.6M	17.729M	17.625M	17.729M
2437MHz	Pass	500k	17.6M	17.729M	17.575M	17.729M
2462MHz	Pass	500k	17.575M	17.68M	17.575M	17.705M
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35M	35.899M	35.05M	35.899M
2437MHz	Pass	500k	35.3M	35.997M	35.8M	36.046M
2452MHz	Pass	500k	35.2M	35.948M	35.05M	35.899M
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	17.55M	17.705M	17.625M	17.705M
2437MHz	Pass	500k	17.55M	17.754M	17.6M	17.729M
2462MHz	Pass	500k	17.55M	17.705M	17.6M	17.68M
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	35.25M	35.85M	35.05M	35.899M
2437MHz	Pass	500k	35.4M	36.046M	35.5M	36.046M
2452MHz	Pass	500k	32.55M	35.85M	35.65M	35.948M
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	500k	19.05M	19.051M	18.925M	19.027M
2437MHz	Pass	500k	19.025M	19.027M	19.025M	19.027M
2462MHz	Pass	500k	19.075M	18.978M	18.875M	18.978M
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	500k	37.4M	37.515M	36.55M	37.564M
2437MHz	Pass	500k	37.65M	37.662M	37.8M	37.662M
2452MHz	Pass	500k	37.5M	37.417M	37.75M	37.466M

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

2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX  
2412MHz

EBW

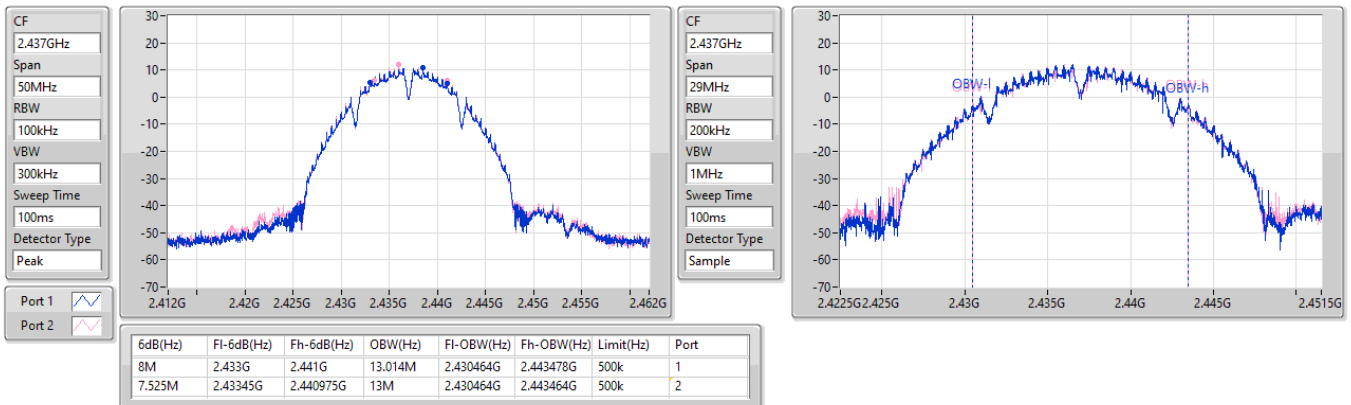
12/10/2022



2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX  
2437MHz

EBW

12/10/2022

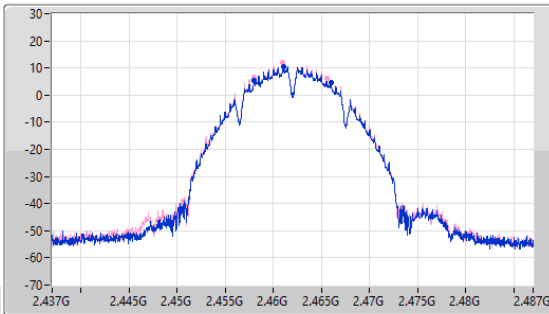


2.4-2.4835GHz\_802.11b\_Nss1,(1Mbps)\_2TX  
2462MHz

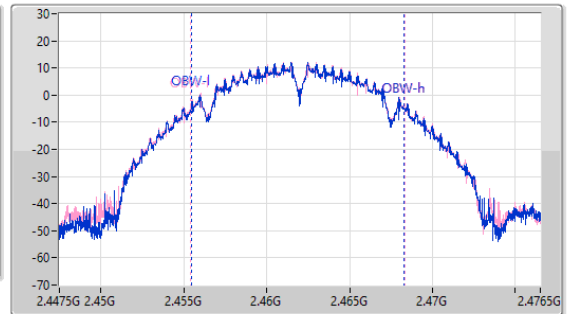
EBW

12/10/2022

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



CF: 2.462GHz  
Span: 29MHz  
RBW: 200kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Sample



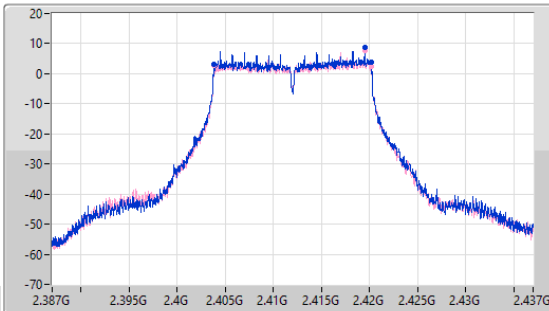
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
8.025M	2.457975G	2.466G	12.841M	2.455464G	2.468304G	500k	1
7.55M	2.457975G	2.465525G	12.928M	2.45542G	2.468348G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX  
2412MHz

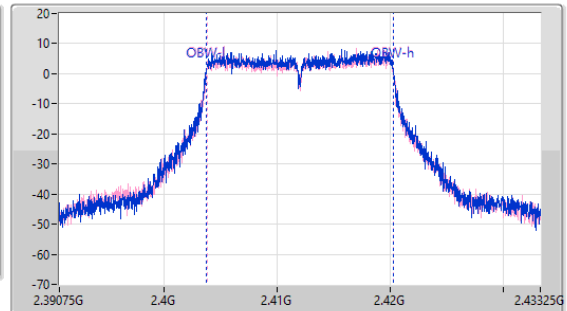
EBW

12/10/2022

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



CF: 2.412GHz  
Span: 42.5MHz  
RBW: 200kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Sample



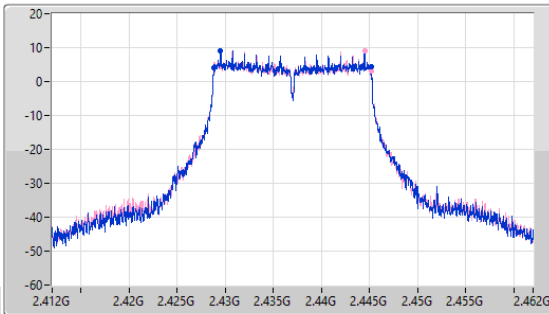
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.3M	2.40385G	2.42015G	16.524M	2.403738G	2.420262G	500k	1
16.325M	2.40385G	2.420175G	16.482M	2.40378G	2.420262G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX  
2437MHz

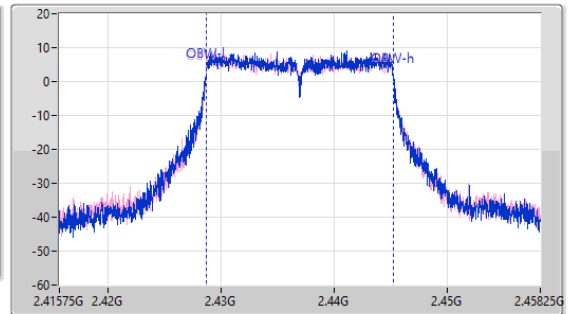
EBW

12/10/2022

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



CF: 2.437GHz  
Span: 42.5MHz  
RBW: 200kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Sample



Port 1: [Waveform icon]  
Port 2: [Waveform icon]

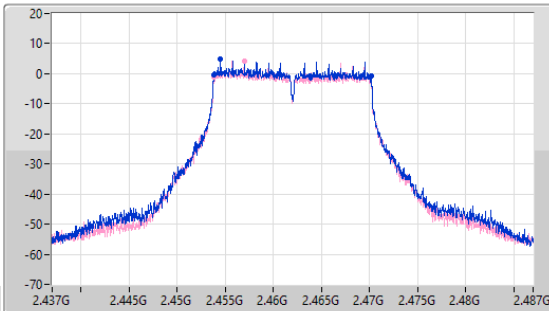
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.428825G	2.44515G	16.545M	2.428695G	2.445241G	500k	1
16.35M	2.428825G	2.445175G	16.524M	2.428717G	2.445241G	500k	2

2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX  
2462MHz

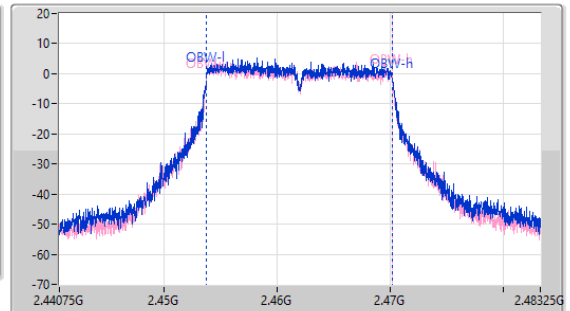
EBW

12/10/2022

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



CF: 2.462GHz  
Span: 42.5MHz  
RBW: 200kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Sample



Port 1: [Waveform icon]  
Port 2: [Waveform icon]

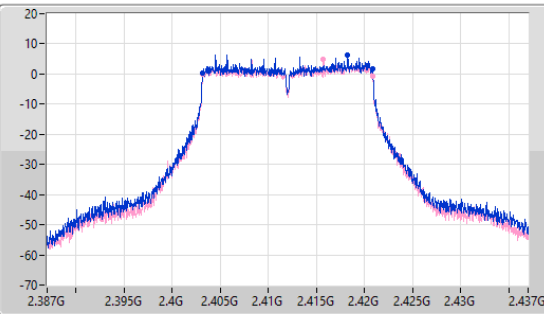
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
16.325M	2.453825G	2.47015G	16.482M	2.453717G	2.470198G	500k	1
16.325M	2.453825G	2.47015G	16.482M	2.453717G	2.470198G	500k	2

2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_2TX  
2412MHz

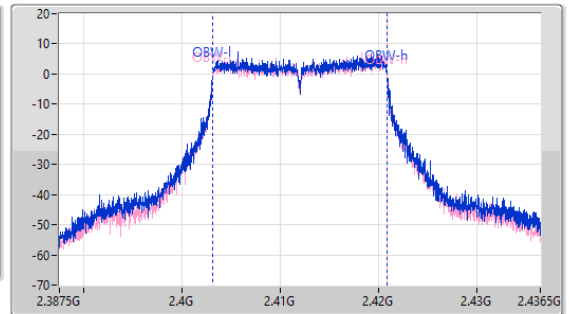
EBW

15/11/2022

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



CF  
2.412GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



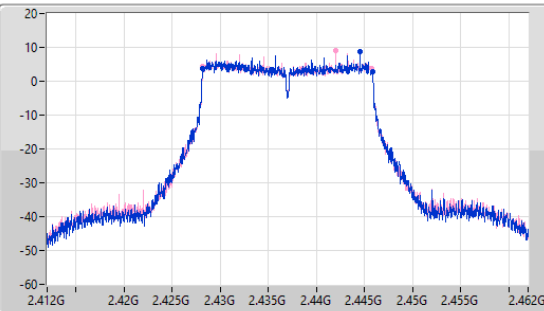
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	2.4032G	2.4208G	17.729M	2.40316G	2.420889G	500k	1
17.625M	2.4032G	2.420825G	17.729M	2.403135G	2.420865G	500k	2

2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_2TX  
2437MHz

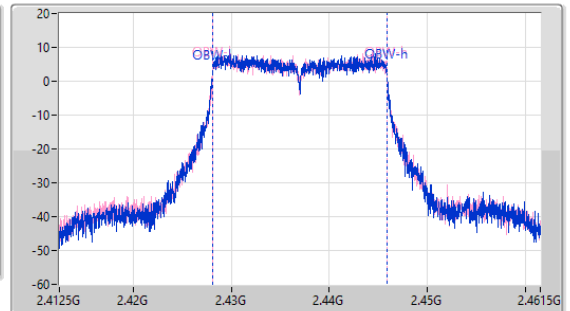
EBW

12/10/2022

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



CF  
2.437GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



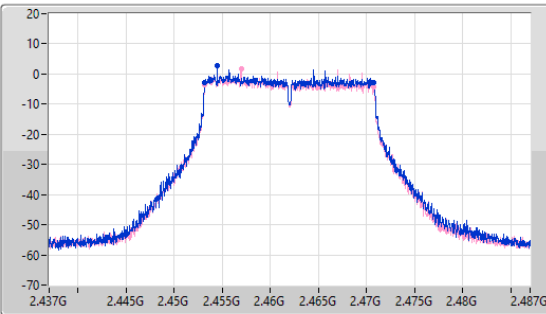
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.6M	2.4282G	2.4458G	17.729M	2.428111G	2.44584G	500k	1
17.575M	2.4282G	2.445775G	17.729M	2.428111G	2.44584G	500k	2

2.4-2.4835GHz\_802.11n HT20\_Nss1,(MCS0)\_2TX  
2462MHz

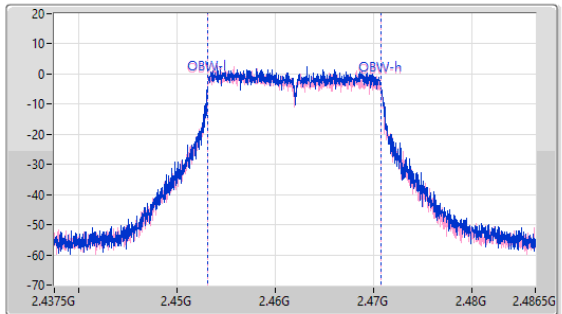
EBW

15/11/2022

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



CF  
2.462GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



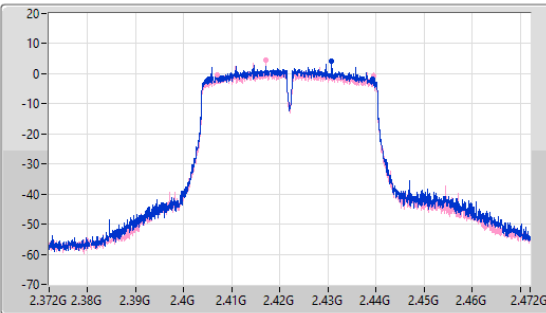
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.575M	2.4532G	2.470775G	17.68M	2.453135G	2.470816G	500k	1
17.575M	2.4532G	2.470775G	17.705M	2.453111G	2.470816G	500k	2

2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX  
2422MHz

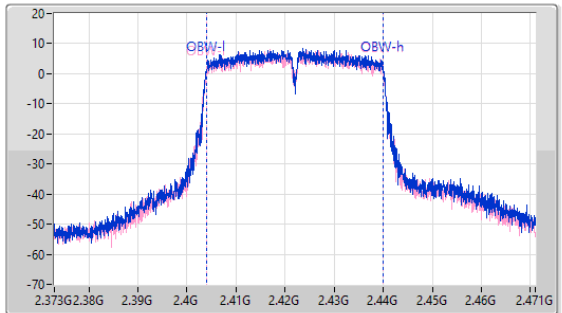
EBW

12/10/2022

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



CF  
2.422GHz  
Span  
98MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample

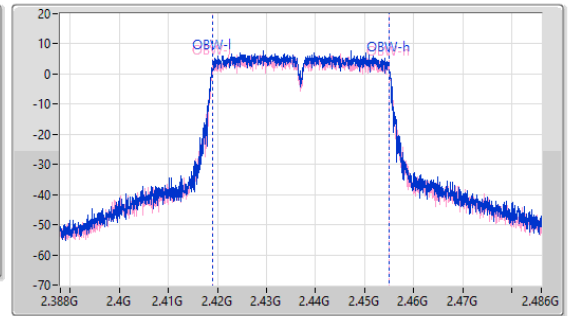
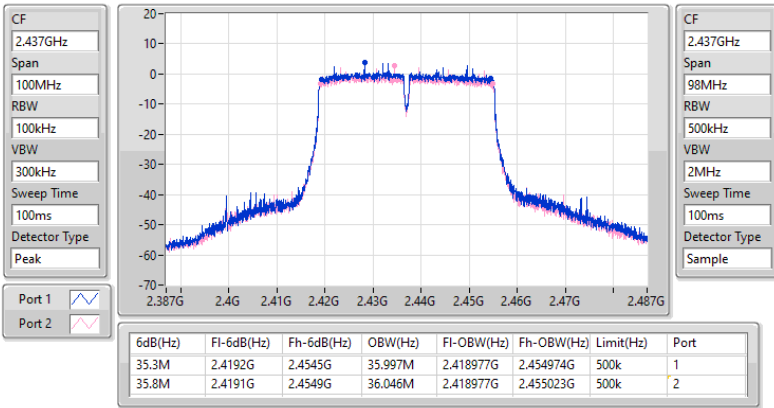


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
34.2M	2.4051G	2.4393G	35.85M	2.404075G	2.439925G	500k	1
32.5M	2.407G	2.4395G	35.85M	2.404075G	2.439925G	500k	2

2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

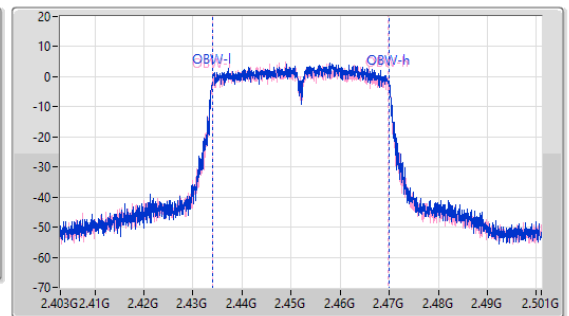
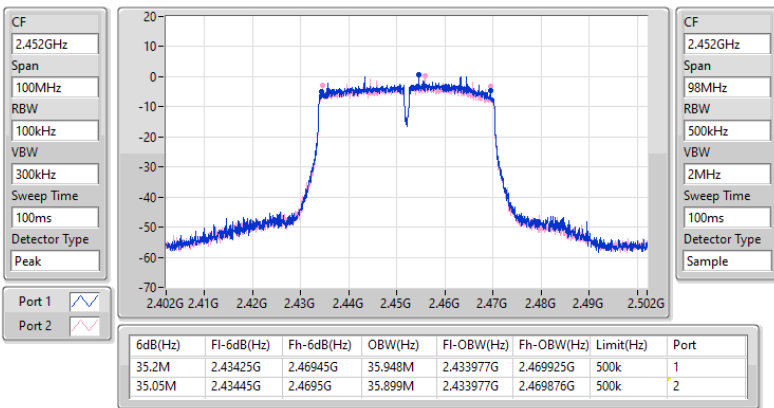
12/10/2022



2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

12/10/2022



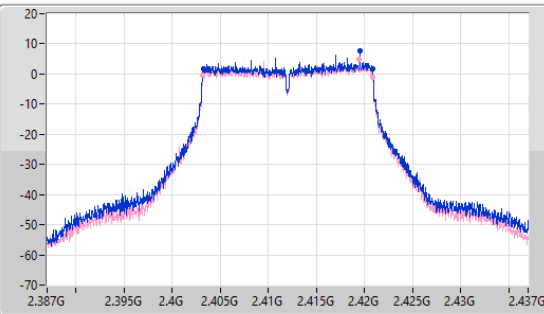


2.4-2.4835GHz\_VHT20\_Nss1,(MCS0)\_2TX  
2412MHz

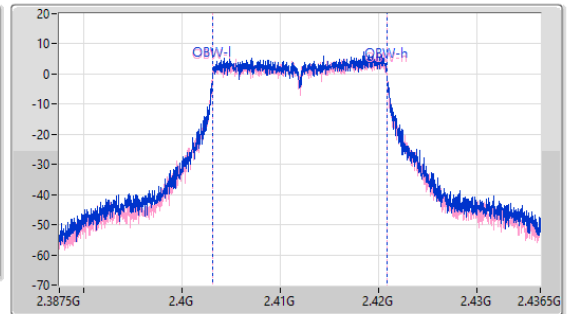
EBW

15/11/2022

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



CF  
2.412GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



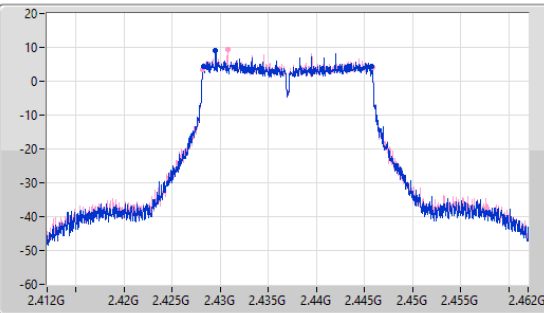
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.40325G	2.4208G	17.705M	2.40316G	2.420865G	500k	1
17.625M	2.4032G	2.420825G	17.705M	2.40316G	2.420865G	500k	2

2.4-2.4835GHz\_VHT20\_Nss1,(MCS0)\_2TX  
2437MHz

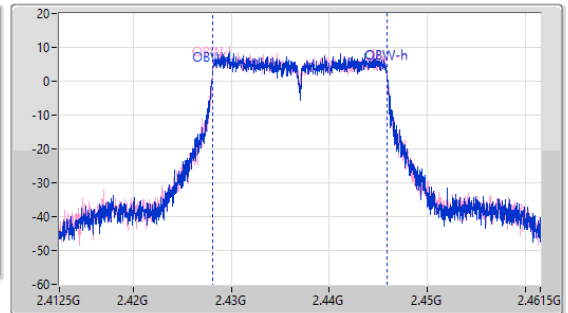
EBW

12/10/2022

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



CF  
2.437GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



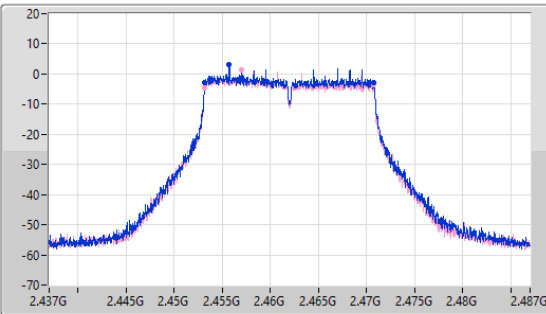
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.428225G	2.445775G	17.754M	2.428111G	2.445865G	500k	1
17.6M	2.4282G	2.4458G	17.729M	2.428135G	2.445865G	500k	2

2.4-2.4835GHz\_VHT20\_Nss1,(MCS0)\_2TX  
2462MHz

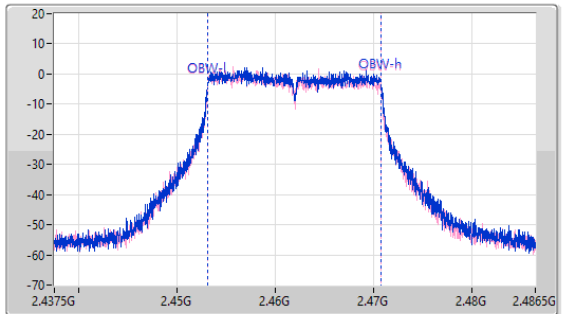
EBW

15/11/2022

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



CF  
2.462GHz  
Span  
49MHz  
RBW  
200kHz  
VBW  
1MHz  
Sweep Time  
100ms  
Detector Type  
Sample



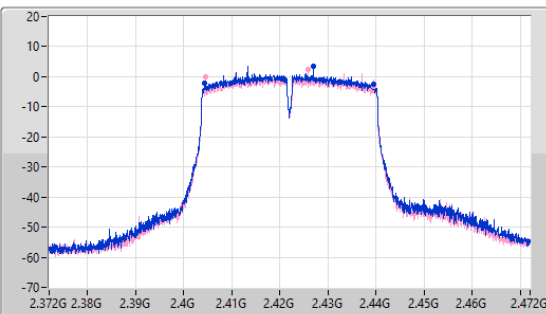
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
17.55M	2.4532G	2.47075G	17.705M	2.453111G	2.470816G	500k	1
17.6M	2.453175G	2.470775G	17.68M	2.453111G	2.470791G	500k	2

2.4-2.4835GHz\_VHT40\_Nss1,(MCS0)\_2TX  
2422MHz

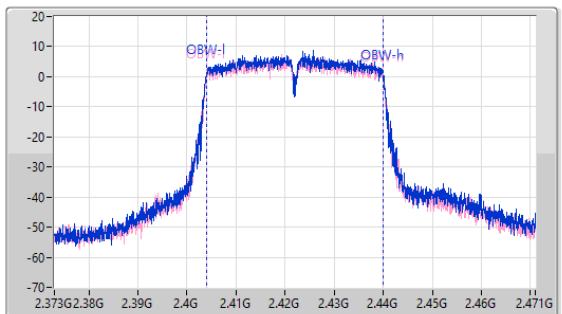
EBW

12/10/2022

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



CF  
2.422GHz  
Span  
98MHz  
RBW  
500kHz  
VBW  
2MHz  
Sweep Time  
100ms  
Detector Type  
Sample

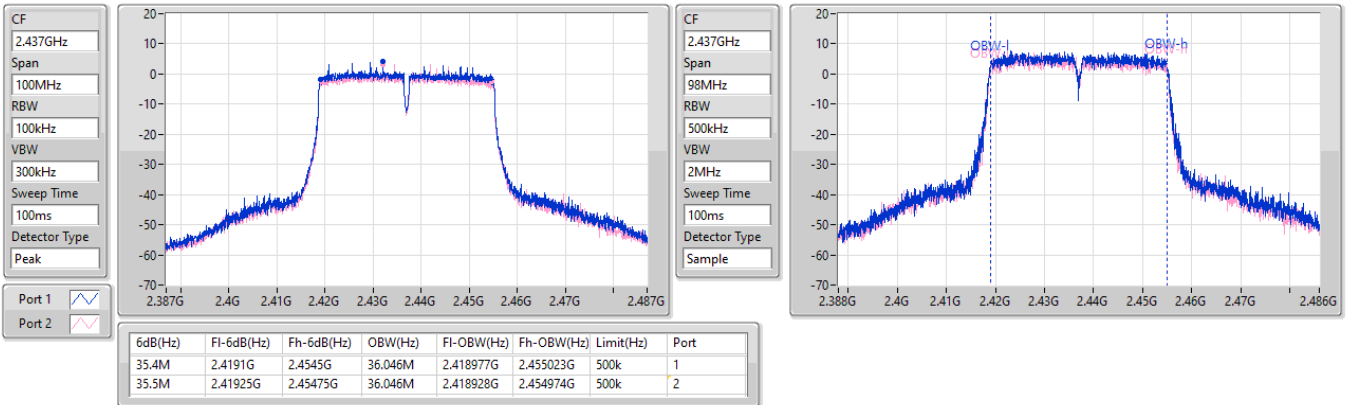


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
35.25M	2.40425G	2.4395G	35.85M	2.404075G	2.439925G	500k	1
35.05M	2.4045G	2.43955G	35.899M	2.404075G	2.439974G	500k	2

2.4-2.4835GHz\_VHT40\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

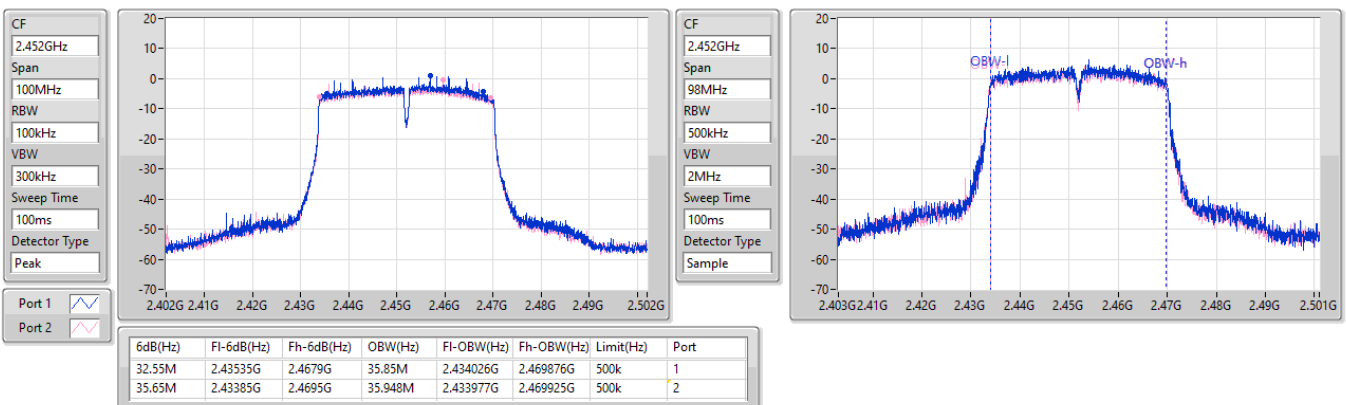
12/10/2022



2.4-2.4835GHz\_VHT40\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

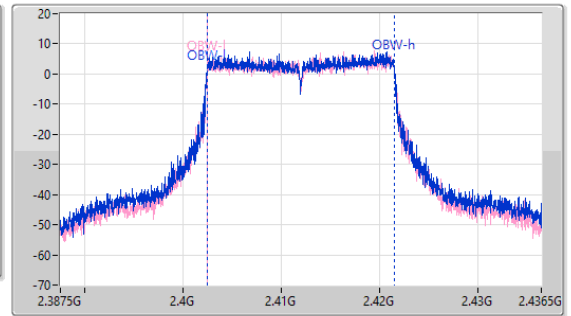
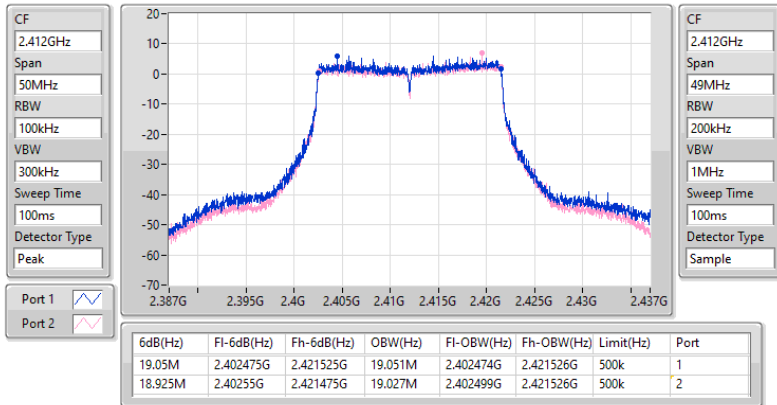
12/10/2022



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2412MHz

EBW

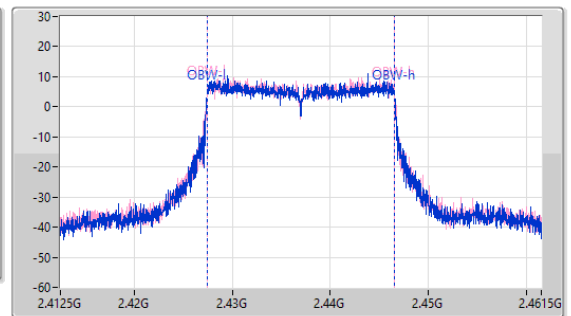
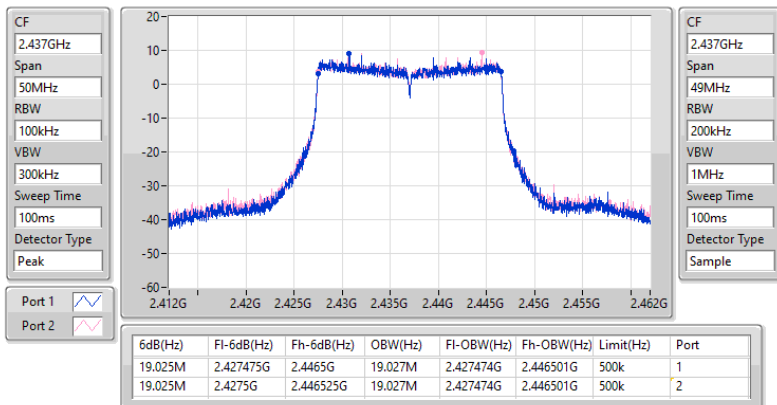
15/11/2022



2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

12/10/2022

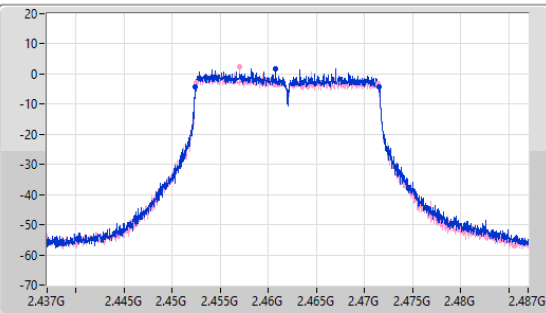


2.4-2.4835GHz\_802.11ax HEW20\_Nss1,(MCS0)\_2TX  
2462MHz

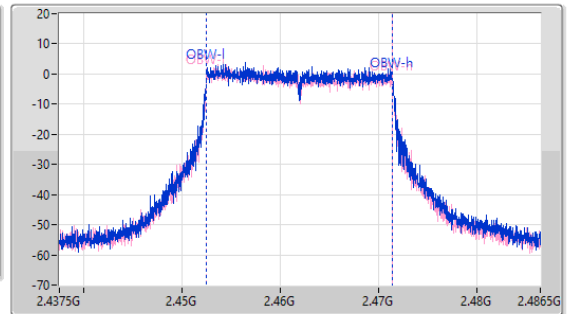
EBW

15/11/2022

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



CF: 2.462GHz  
Span: 49MHz  
RBW: 200kHz  
VBW: 1MHz  
Sweep Time: 100ms  
Detector Type: Sample



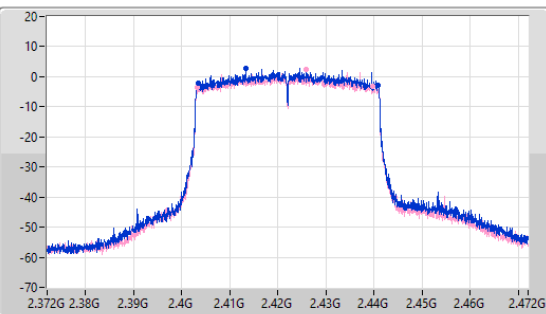
6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
19.075M	2.452425G	2.4715G	18.978M	2.452474G	2.471452G	500k	1
18.875M	2.4525G	2.471375G	18.978M	2.452474G	2.471452G	500k	2

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2422MHz

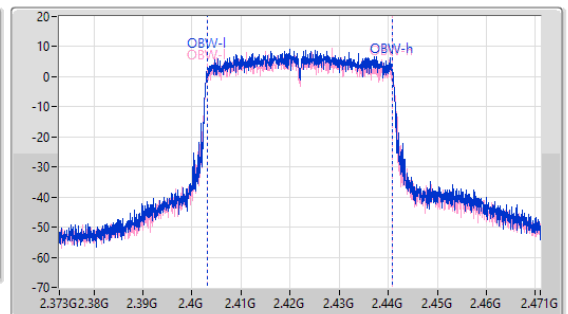
EBW

12/10/2022

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



CF: 2.422GHz  
Span: 98MHz  
RBW: 500kHz  
VBW: 2MHz  
Sweep Time: 100ms  
Detector Type: Sample

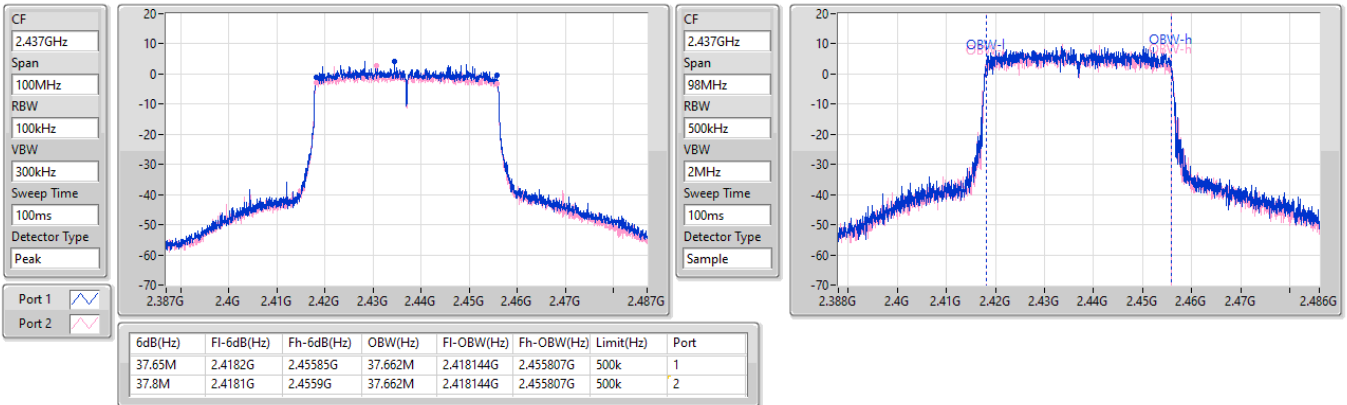


6dB(Hz)	Fl-6dB(Hz)	Fh-6dB(Hz)	OBW(Hz)	Fl-OBW(Hz)	Fh-OBW(Hz)	Limit(Hz)	Port
37.4M	2.4035G	2.4409G	37.515M	2.403242G	2.440758G	500k	1
36.55M	2.40325G	2.4398G	37.564M	2.403193G	2.440758G	500k	2

2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2437MHz

EBW

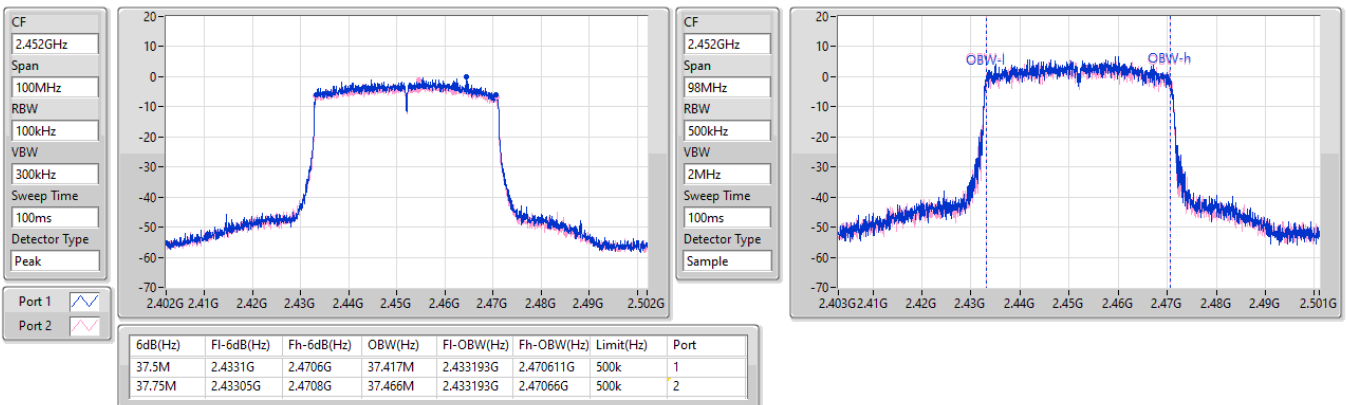
12/10/2022



2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX  
2452MHz

EBW

12/10/2022





**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	25.78	0.37844
802.11g_Nss1,(6Mbps)_2TX	25.41	0.34754
802.11n HT20_Nss1,(MCS0)_2TX	24.75	0.29854
802.11n HT40_Nss1,(MCS0)_2TX	21.82	0.15205
802.11ac VHT20_Nss1,(MCS0)_2TX	24.86	0.30620
802.11ac VHT40_Nss1,(MCS0)_2TX	21.95	0.15668
802.11ax HEW20_Nss1,(MCS0)_2TX	24.96	0.31333
802.11ax HEW40_Nss1,(MCS0)_2TX	22.06	0.16069



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.24	22.30	22.21	25.27	30.00
2417MHz	Pass	5.24	17.67	17.53	20.61	30.00
2437MHz	Pass	5.24	23.20	21.95	25.63	30.00
2457MHz	Pass	5.24	22.85	22.69	25.78	30.00
2462MHz	Pass	5.24	22.37	22.13	25.26	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.24	19.99	19.49	22.76	30.00
2417MHz	Pass	5.24	21.60	20.98	24.31	30.00
2437MHz	Pass	5.24	23.02	21.68	25.41	30.00
2457MHz	Pass	5.24	20.75	20.64	23.71	30.00
2462MHz	Pass	5.24	19.69	19.76	22.74	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.24	19.23	18.86	22.06	30.00
2417MHz	Pass	5.24	20.85	20.37	23.63	30.00
2437MHz	Pass	5.24	22.26	21.15	24.75	30.00
2457MHz	Pass	5.24	19.64	19.56	22.61	30.00
2462MHz	Pass	5.24	19.35	19.53	22.45	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.24	18.90	18.13	21.54	30.00
2437MHz	Pass	5.24	19.11	18.49	21.82	30.00
2447MHz	Pass	5.24	17.67	17.19	20.45	30.00
2452MHz	Pass	5.24	18.38	18.25	21.33	30.00
802.11ac VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.24	19.30	18.99	22.16	30.00
2417MHz	Pass	5.24	20.98	20.45	23.73	30.00
2437MHz	Pass	5.24	22.37	21.25	24.86	30.00
2457MHz	Pass	5.24	19.76	19.66	22.72	30.00
2462MHz	Pass	5.24	19.49	19.65	22.58	30.00
802.11ac VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.24	19.02	18.24	21.66	30.00
2437MHz	Pass	5.24	19.25	18.61	21.95	30.00
2447MHz	Pass	5.24	17.76	17.30	20.55	30.00
2452MHz	Pass	5.24	18.49	18.30	21.41	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	5.24	19.42	19.07	22.26	30.00
2417MHz	Pass	5.24	21.08	20.54	23.83	30.00
2437MHz	Pass	5.24	22.52	21.30	24.96	30.00
2457MHz	Pass	5.24	19.85	19.77	22.82	30.00
2462MHz	Pass	5.24	19.62	19.72	22.68	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	5.24	19.08	18.33	21.73	30.00
2437MHz	Pass	5.24	19.39	18.67	22.06	30.00
2447MHz	Pass	5.24	17.91	17.43	20.69	30.00
2452MHz	Pass	5.24	18.62	18.37	21.51	30.00

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





**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11b_Nss1,(1Mbps)_2TX	24.21	0.26363
802.11g_Nss1,(6Mbps)_2TX	24.04	0.25351
802.11n HT20_Nss1,(MCS0)_2TX	23.67	0.23281
802.11n HT40_Nss1,(MCS0)_2TX	22.06	0.16069
VHT20_Nss1,(MCS0)_2TX	23.92	0.24660
VHT40_Nss1,(MCS0)_2TX	22.07	0.16106
802.11ax HEW20_Nss1,(MCS0)_2TX	24.37	0.27353
802.11ax HEW40_Nss1,(MCS0)_2TX	22.23	0.16711



**Average Power\_Non-Beamforming\_Radio3**

**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	4.53	20.97	21.41	24.21	30.00
2437MHz	Pass	4.53	21.00	21.01	24.02	30.00
2462MHz	Pass	4.53	20.79	21.02	23.92	30.00
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.53	19.81	19.04	22.45	30.00
2417MHz	Pass	4.53	20.89	21.16	24.04	30.00
2437MHz	Pass	4.53	20.75	20.69	23.73	30.00
2457MHz	Pass	4.53	19.94	19.35	22.67	30.00
2462MHz	Pass	4.53	16.66	15.81	19.27	30.00
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.53	17.44	17.08	20.27	30.00
2417MHz	Pass	4.53	20.70	20.24	23.49	30.00
2437MHz	Pass	4.53	20.67	20.65	23.67	30.00
2457MHz	Pass	4.53	18.96	17.32	21.23	30.00
2462MHz	Pass	4.53	13.22	13.00	16.12	30.00
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.53	17.66	16.44	20.10	30.00
2427MHz	Pass	4.53	19.55	18.48	22.06	30.00
2437MHz	Pass	4.53	19.02	18.05	21.57	30.00
2447MHz	Pass	4.53	15.96	15.00	18.52	30.00
2452MHz	Pass	4.53	15.79	15.04	18.44	30.00
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.53	17.65	17.11	20.40	30.00
2417MHz	Pass	4.53	20.79	21.02	23.92	30.00
2437MHz	Pass	4.53	20.63	20.86	23.76	30.00
2457MHz	Pass	4.53	18.90	18.21	21.58	30.00
2462MHz	Pass	4.53	13.35	12.91	16.15	30.00
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.53	18.63	17.56	21.14	30.00
2427MHz	Pass	4.53	19.50	18.57	22.07	30.00
2437MHz	Pass	4.53	19.08	18.27	21.70	30.00
2447MHz	Pass	4.53	15.95	15.04	18.53	30.00
2452MHz	Pass	4.53	15.85	15.03	18.47	30.00
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	4.53	18.24	17.56	20.92	30.00
2417MHz	Pass	4.53	21.25	21.46	24.37	30.00
2437MHz	Pass	4.53	21.16	21.35	24.27	30.00
2457MHz	Pass	4.53	19.39	18.73	22.08	30.00
2462MHz	Pass	4.53	14.14	13.44	16.81	30.00
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	4.53	18.84	17.74	21.34	30.00
2427MHz	Pass	4.53	19.66	18.72	22.23	30.00
2437MHz	Pass	4.53	19.23	18.32	21.81	30.00
2447MHz	Pass	4.53	16.10	15.23	18.70	30.00
2452MHz	Pass	4.53	16.00	15.23	18.64	30.00

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



**Summary**

Mode	Total Power (dBm)	Total Power (W)
2.4-2.4835GHz	-	-
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	24.93	0.31117
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	21.97	0.15740



**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	8.10	19.40	19.05	22.24	27.90
2417MHz	Pass	8.10	21.04	20.50	23.79	27.90
2437MHz	Pass	8.10	22.49	21.27	24.93	27.90
2457MHz	Pass	8.10	19.84	19.76	22.81	27.90
2462MHz	Pass	8.10	19.58	19.68	22.64	27.90
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.10	19.02	18.27	21.67	27.90
2437MHz	Pass	8.10	19.30	18.58	21.97	27.90
2447MHz	Pass	8.10	17.88	17.40	20.66	27.90
2452MHz	Pass	8.10	18.58	18.33	21.47	27.90

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	24.32	0.27040
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	22.21	0.16634



Result

Mode	Result	DG (dBi)	Port 1 (dBm)	Port 2 (dBm)	Total Power (dBm)	Power Limit (dBm)
802.11ax HEW20-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.41	18.11	17.49	20.82	28.59
2417MHz	Pass	7.41	21.20	21.41	24.32	28.59
2437MHz	Pass	7.41	21.08	21.27	24.19	28.59
2457MHz	Pass	7.41	19.31	18.65	22.00	28.59
2462MHz	Pass	7.41	14.05	13.29	16.70	28.59
802.11ax HEW40-BF_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.41	18.80	17.70	21.30	28.59
2427MHz	Pass	7.41	19.64	18.70	22.21	28.59
2437MHz	Pass	7.41	19.17	18.26	21.75	28.59
2447MHz	Pass	7.41	16.07	15.20	18.67	28.59
2452MHz	Pass	7.41	15.92	15.15	18.56	28.59

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



Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	1.22
802.11g_Nss1,(6Mbps)_2TX	-3.18
802.11n HT20_Nss1,(MCS0)_2TX	-2.69
802.11n HT40_Nss1,(MCS0)_2TX	-8.11
VHT20_Nss1,(MCS0)_2TX	-2.11
VHT40_Nss1,(MCS0)_2TX	-7.87
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.03
802.11ax HEW40_Nss1,(MCS0)_2TX	-8.99

RBW = 3kHz;

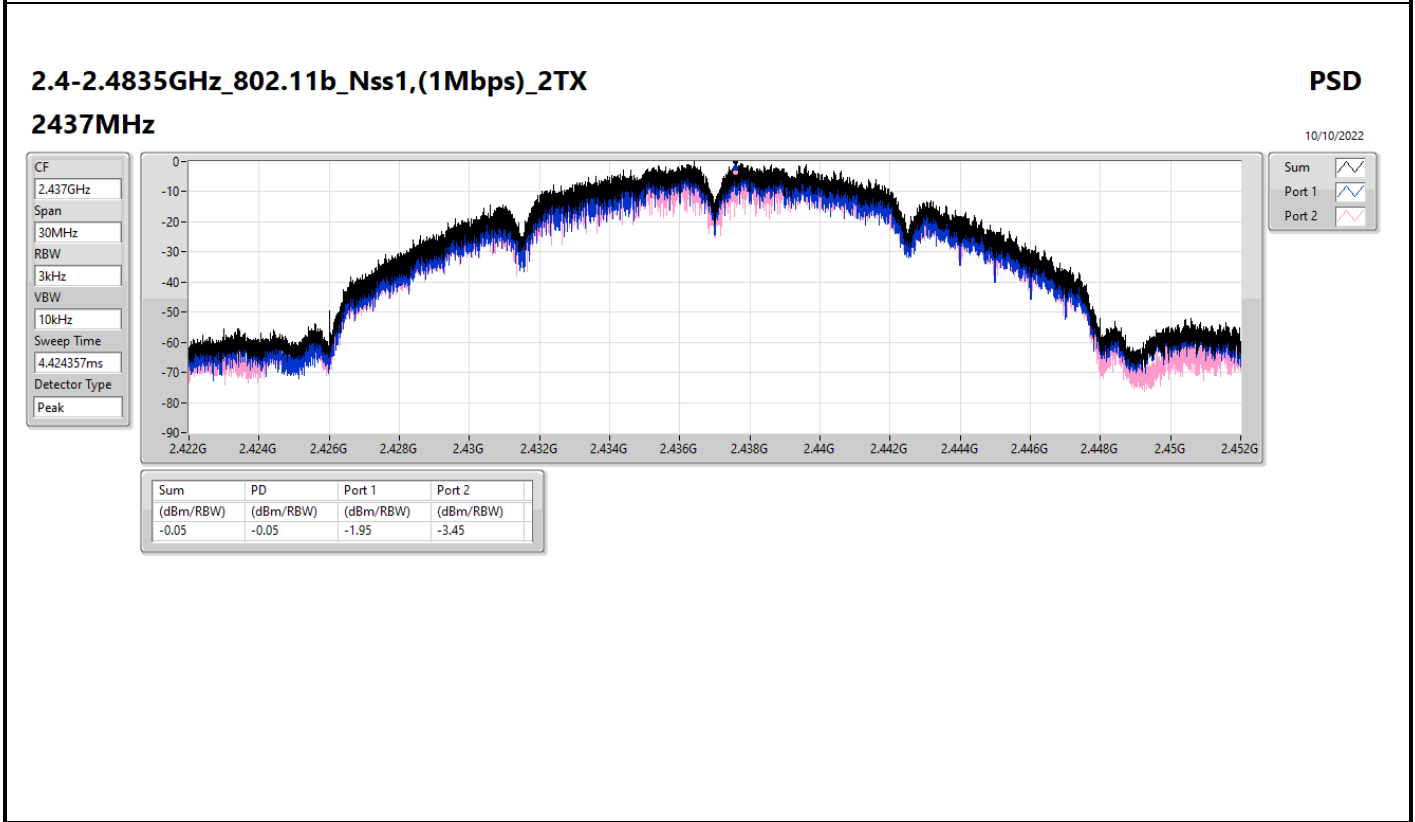
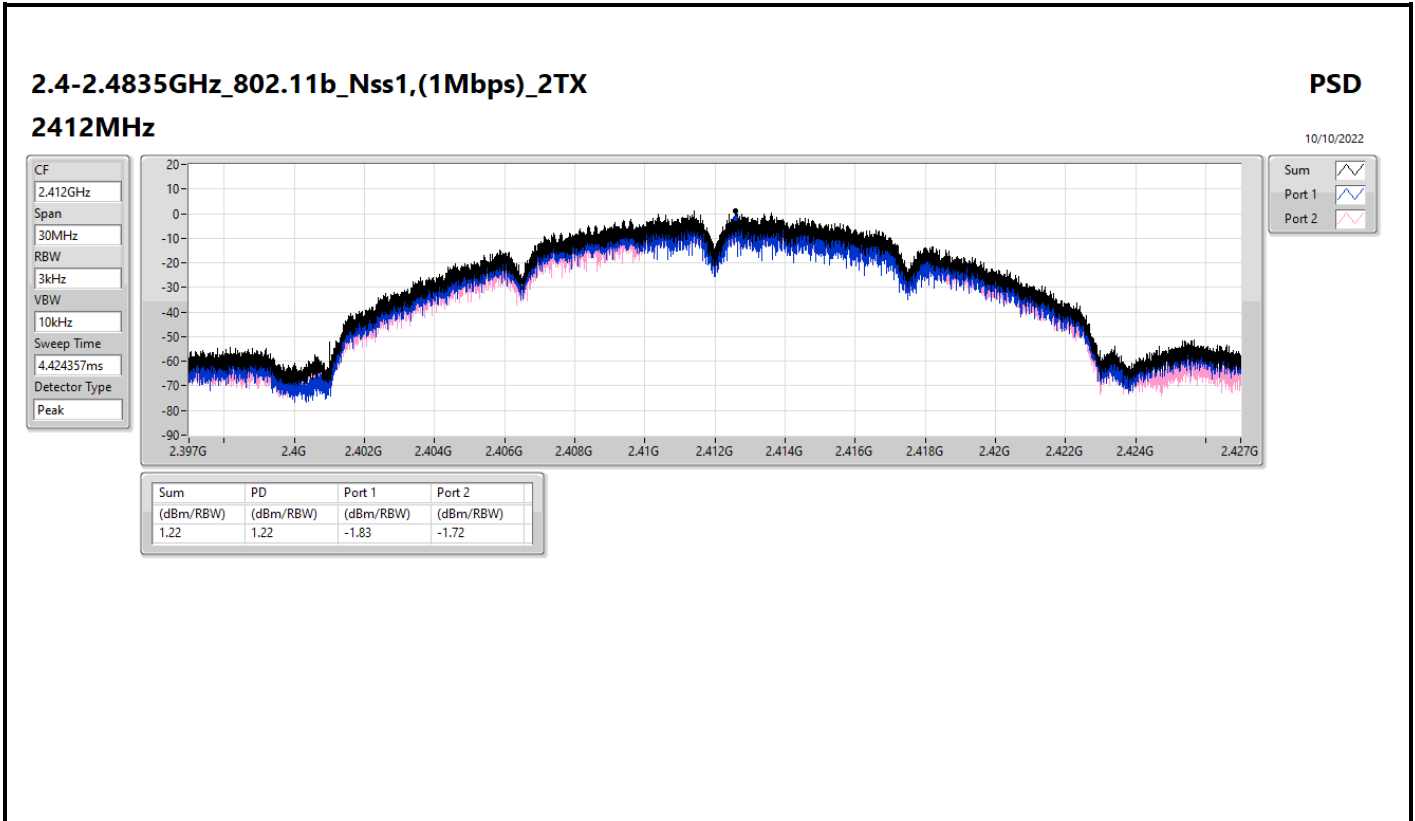


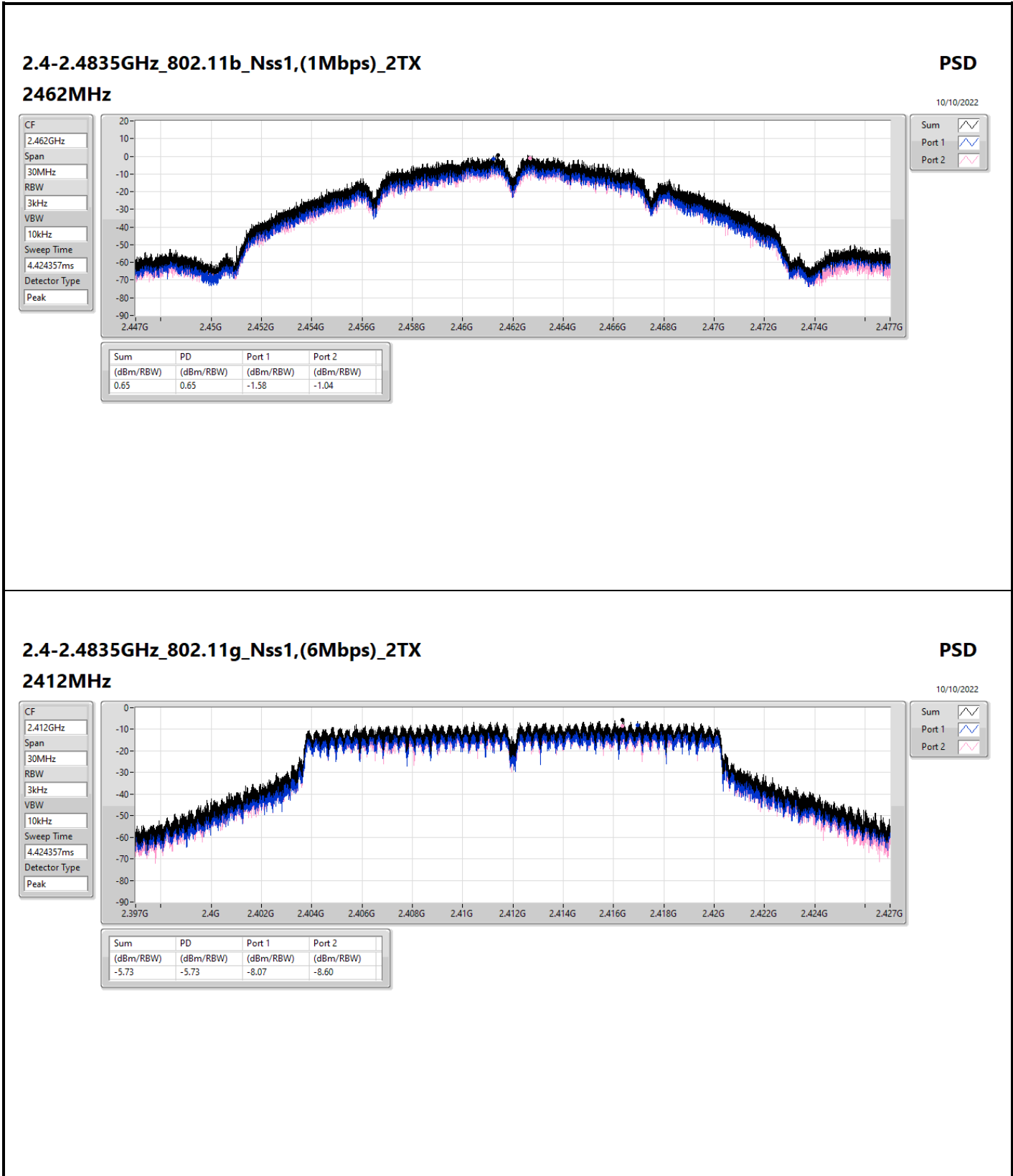
Result

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	8.10	-1.83	-1.72	1.22	5.90
2437MHz	Pass	8.10	-1.95	-3.45	-0.05	5.90
2462MHz	Pass	8.10	-1.58	-1.04	0.65	5.90
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.10	-8.07	-8.60	-5.73	5.90
2437MHz	Pass	8.10	-5.32	-5.54	-3.18	5.90
2462MHz	Pass	8.10	-9.52	-8.76	-6.63	5.90
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.10	-6.60	-6.09	-4.96	5.90
2437MHz	Pass	8.10	-3.88	-5.12	-2.69	5.90
2462MHz	Pass	8.10	-6.54	-6.35	-4.33	5.90
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.10	-9.77	-10.82	-8.69	5.90
2437MHz	Pass	8.10	-8.86	-9.90	-8.11	5.90
2452MHz	Pass	8.10	-9.35	-9.54	-8.43	5.90
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.10	-6.77	-6.30	-4.58	5.90
2437MHz	Pass	8.10	-3.44	-4.94	-2.11	5.90
2462MHz	Pass	8.10	-5.76	-6.73	-4.63	5.90
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.10	-8.99	-10.04	-8.07	5.90
2437MHz	Pass	8.10	-9.53	-9.58	-7.87	5.90
2452MHz	Pass	8.10	-10.19	-9.44	-8.16	5.90
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	8.10	-8.26	-8.12	-6.06	5.90
2437MHz	Pass	8.10	-4.97	-5.60	-4.03	5.90
2462MHz	Pass	8.10	-7.57	-7.81	-5.46	5.90
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	8.10	-10.39	-11.63	-9.41	5.90
2437MHz	Pass	8.10	-10.84	-10.45	-8.99	5.90
2452MHz	Pass	8.10	-11.51	-11.83	-10.19	5.90

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







### 2.4-2.4835GHz\_802.11g\_Nss1,(6Mbps)\_2TX

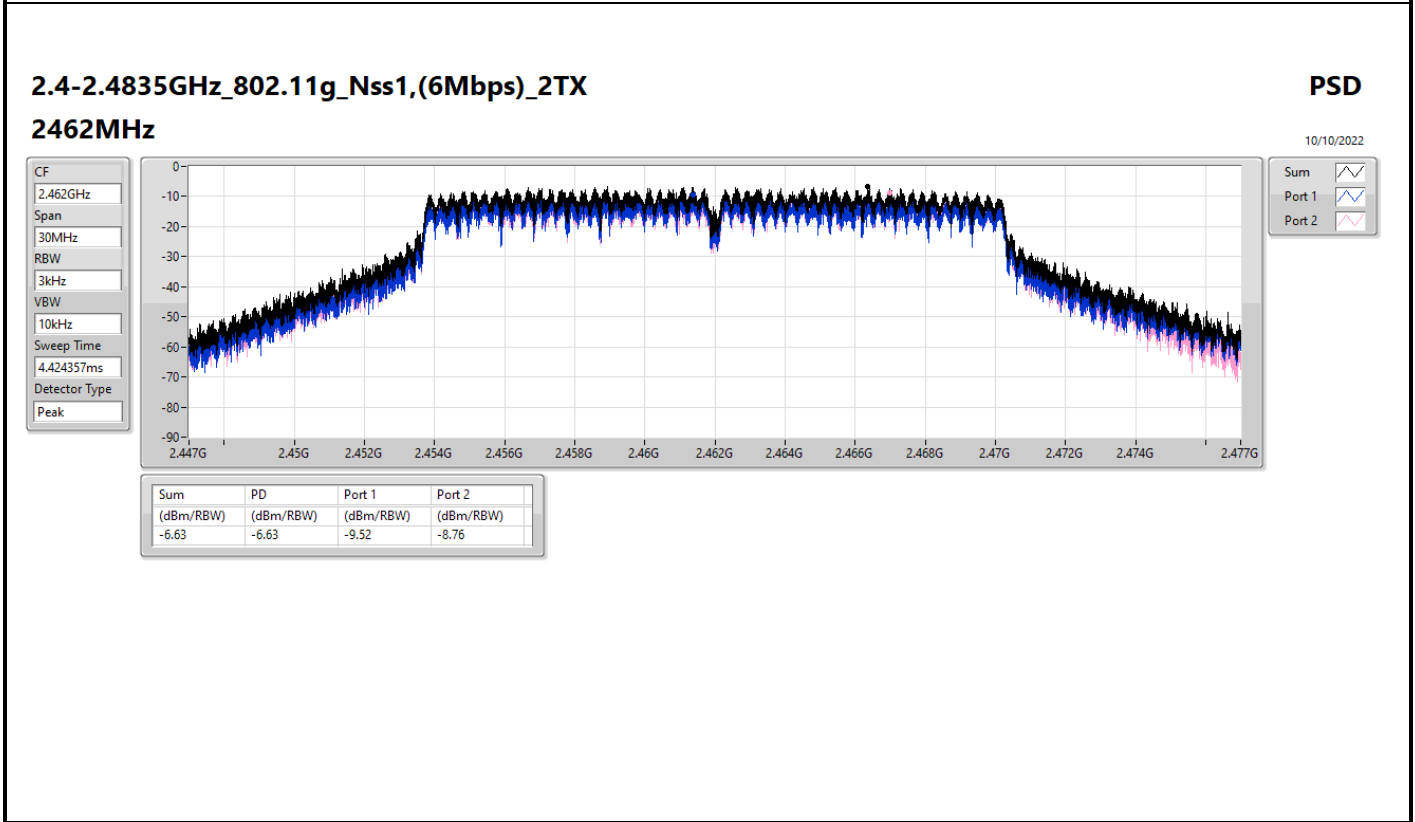
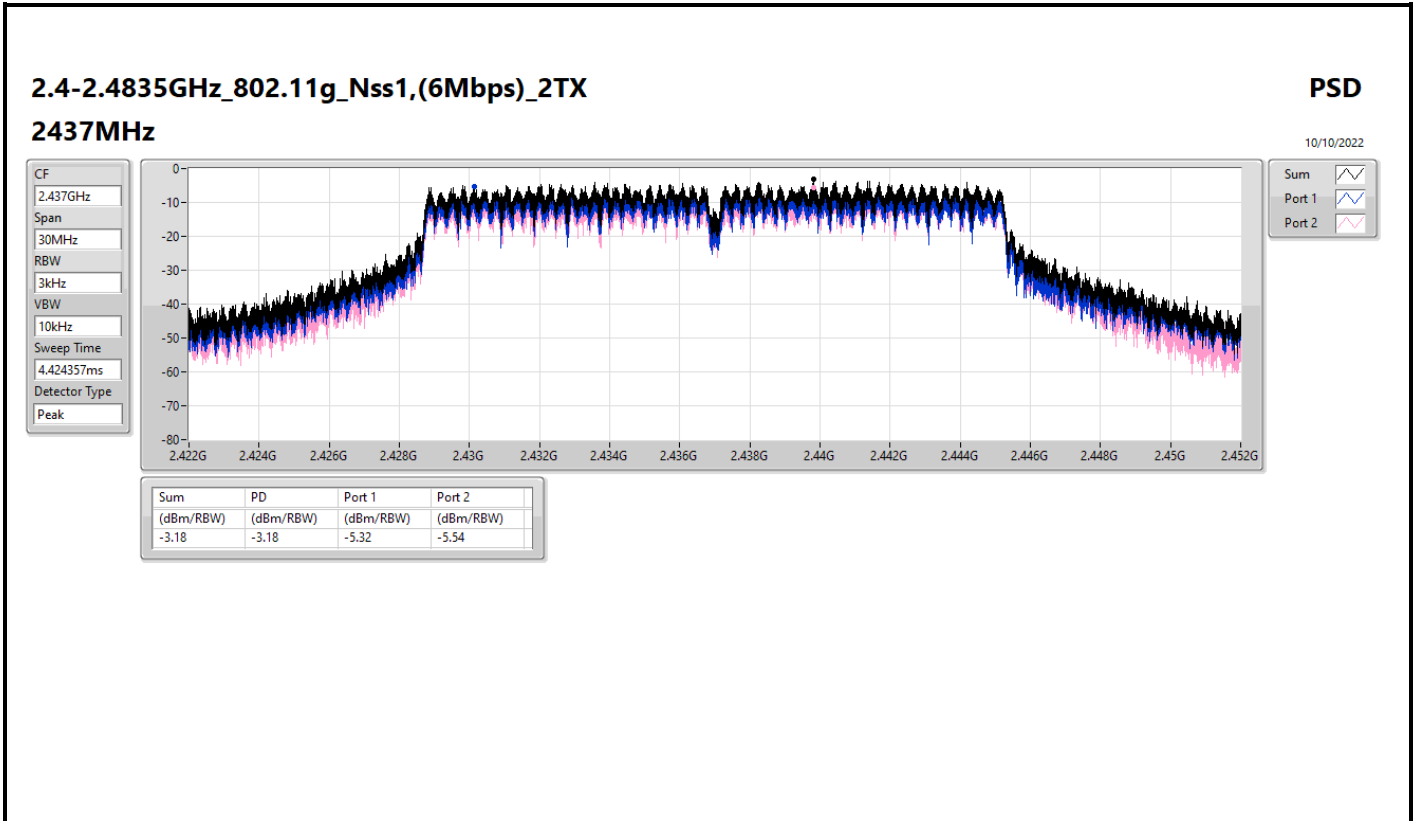
#### 2412MHz

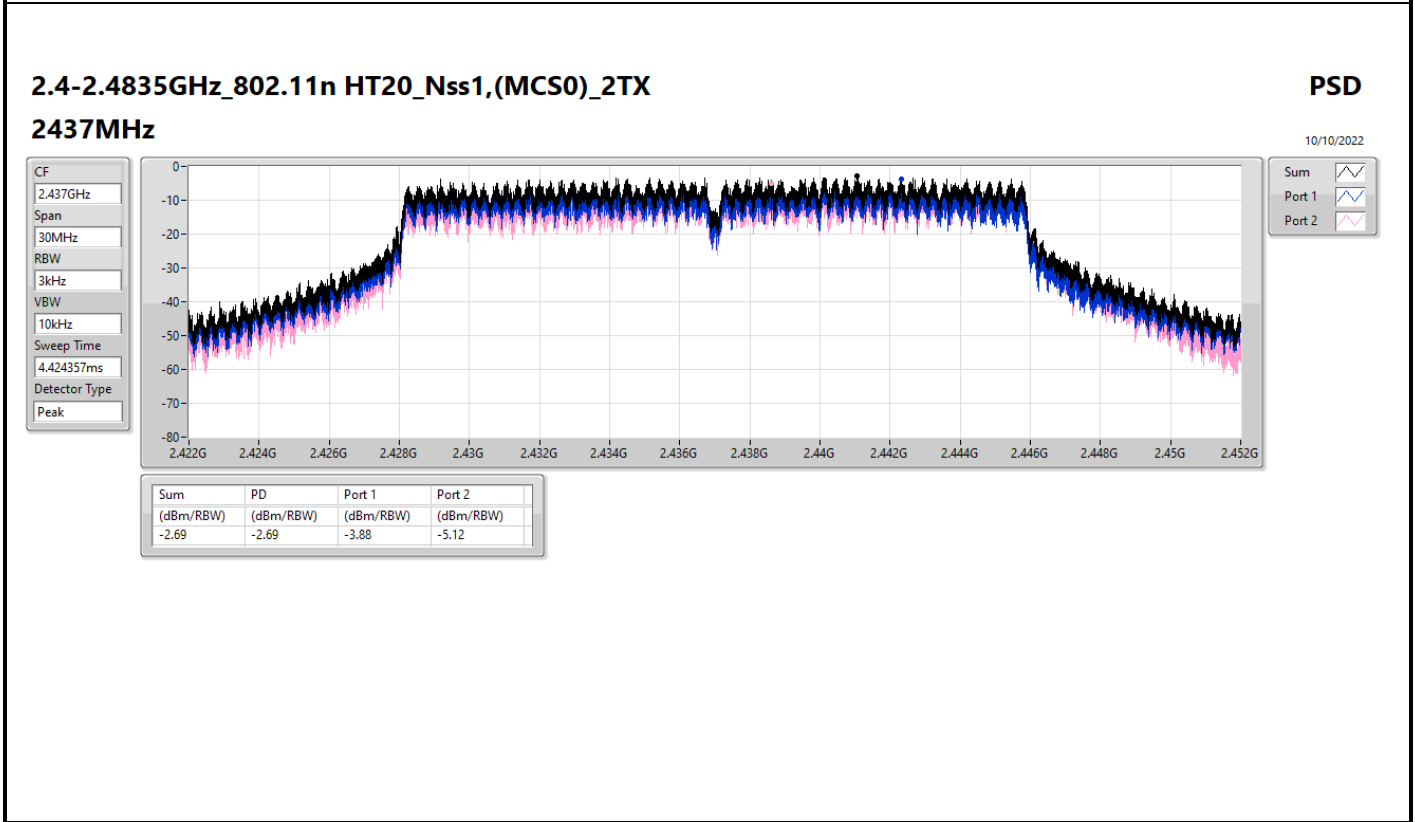
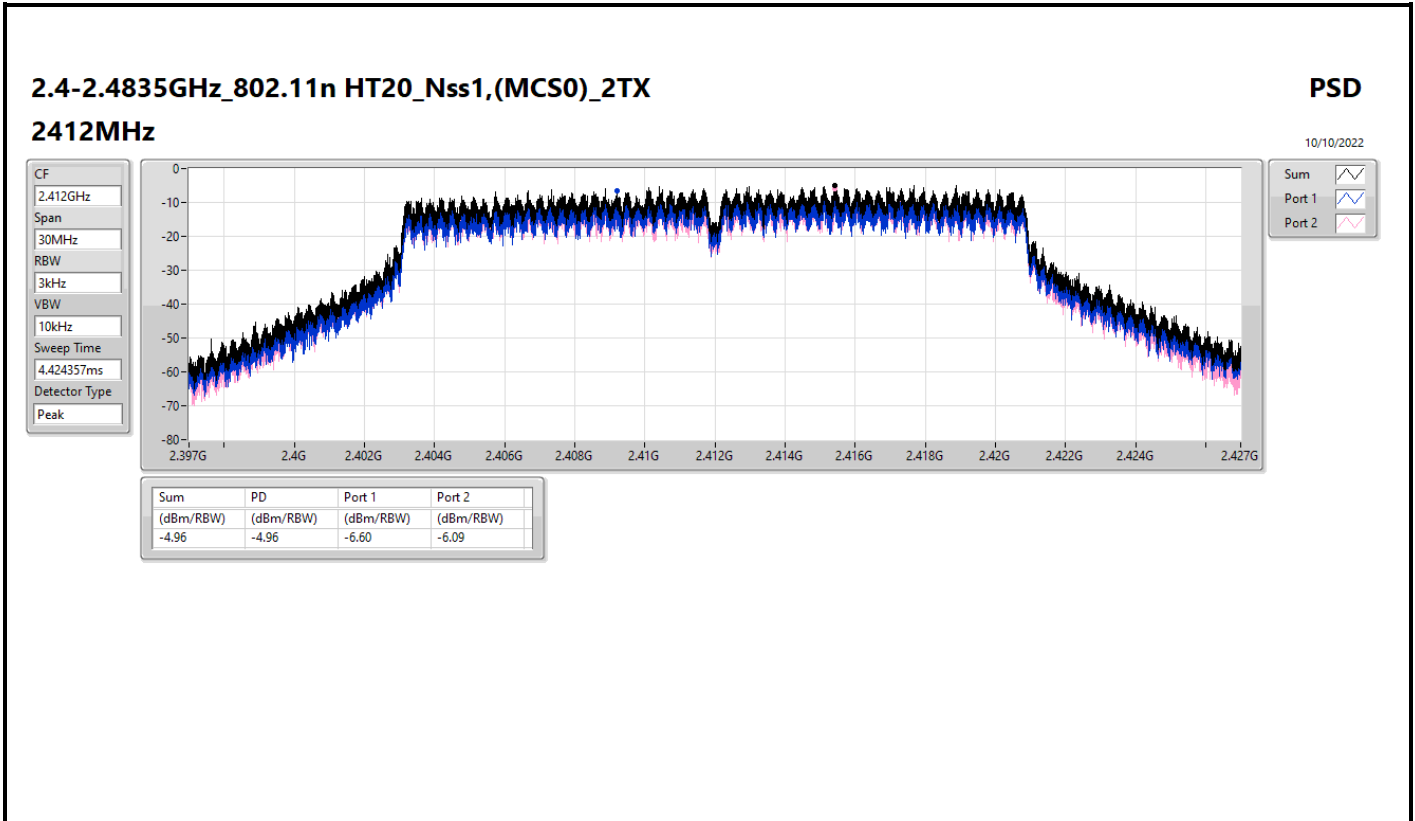
**PSD**

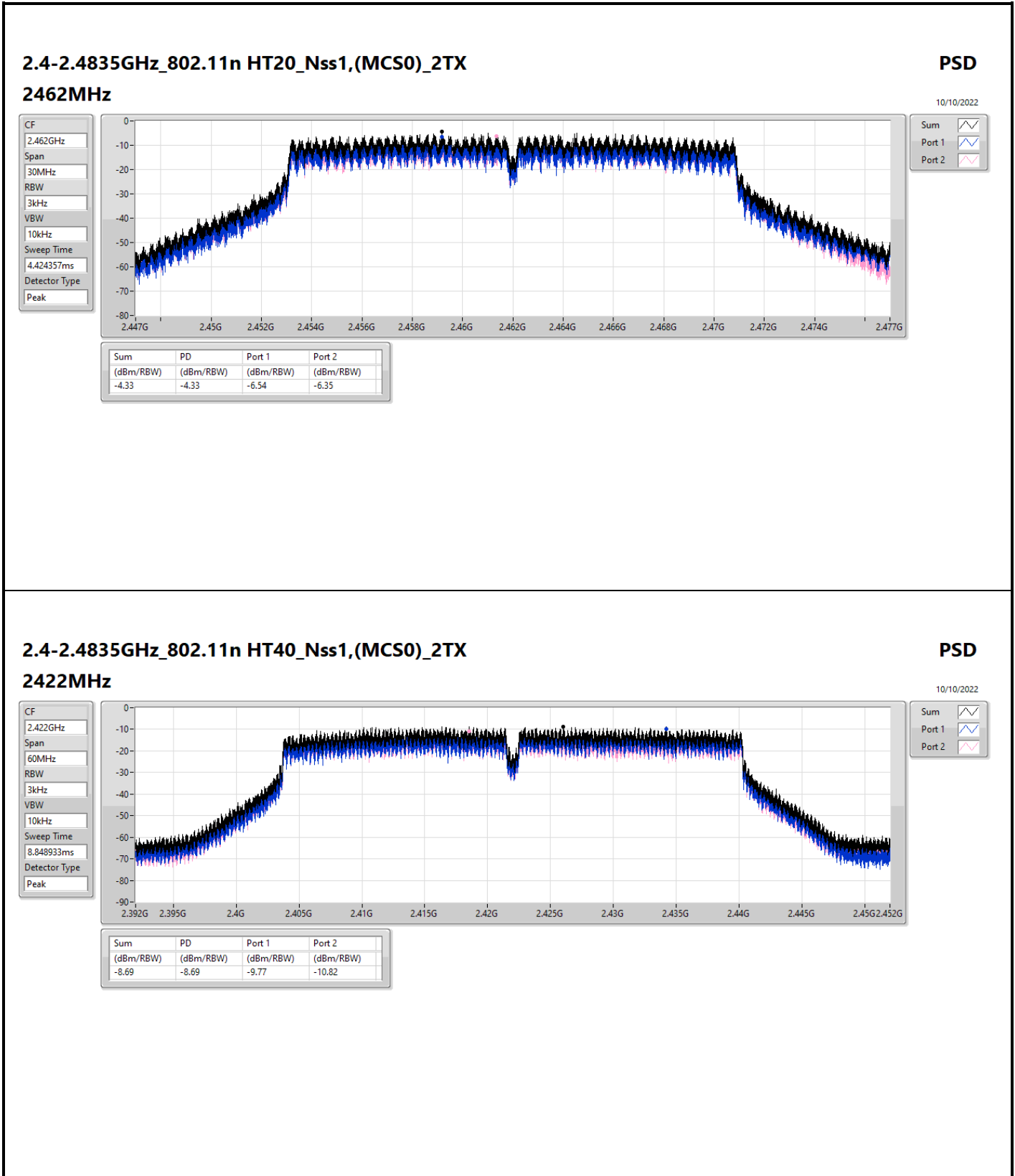
10/10/2022

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

Sum	
Port 1	
Port 2	





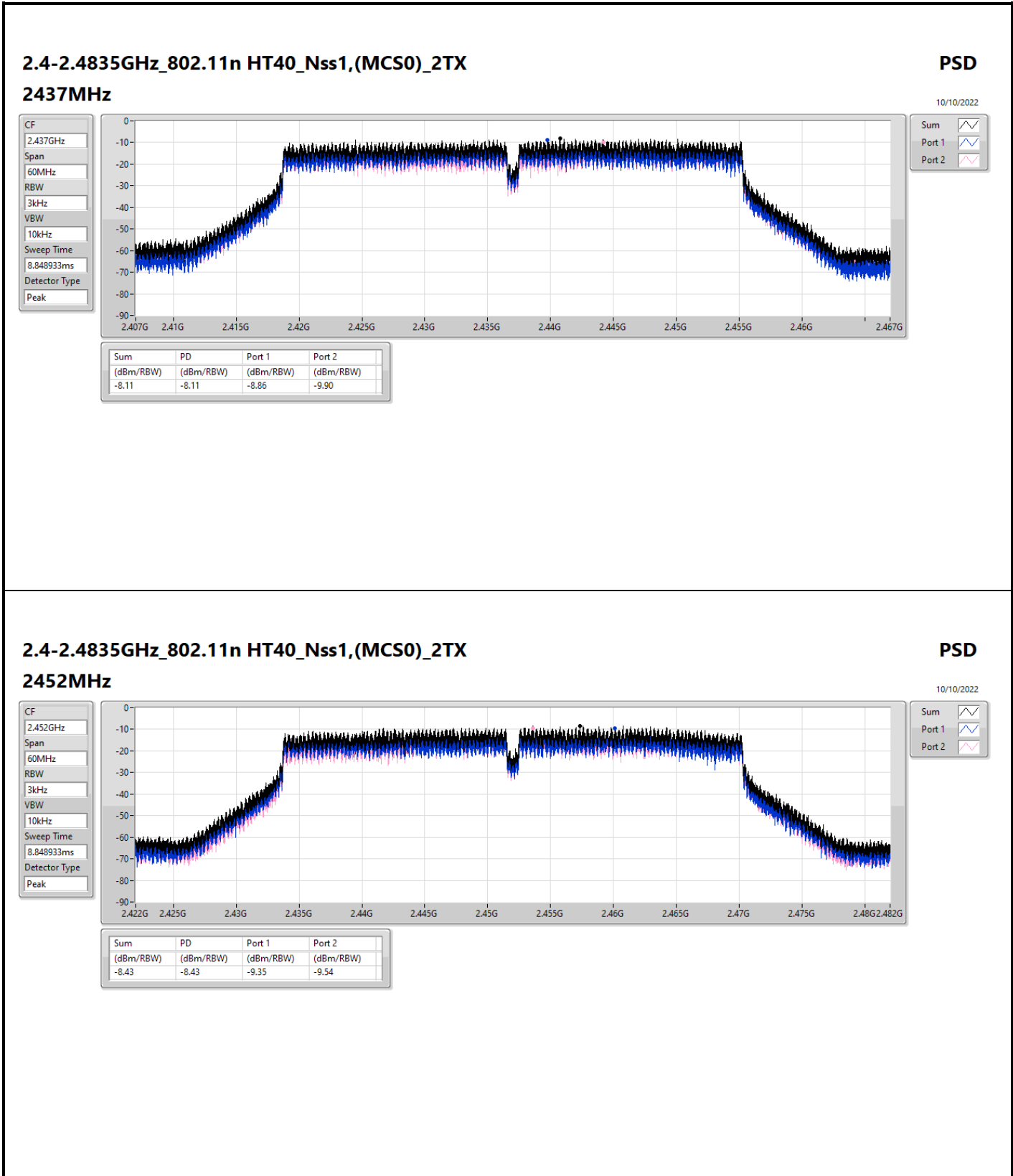


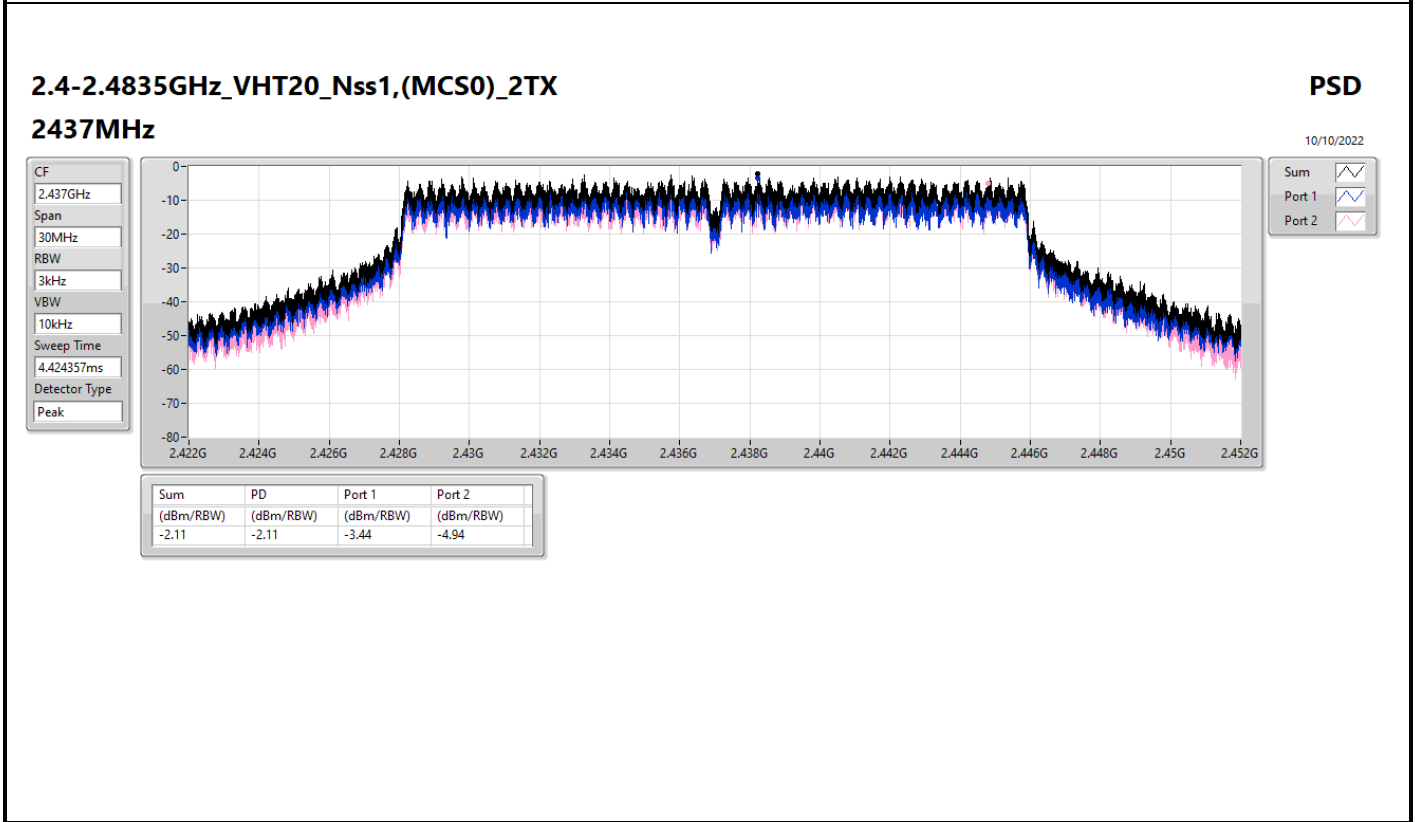
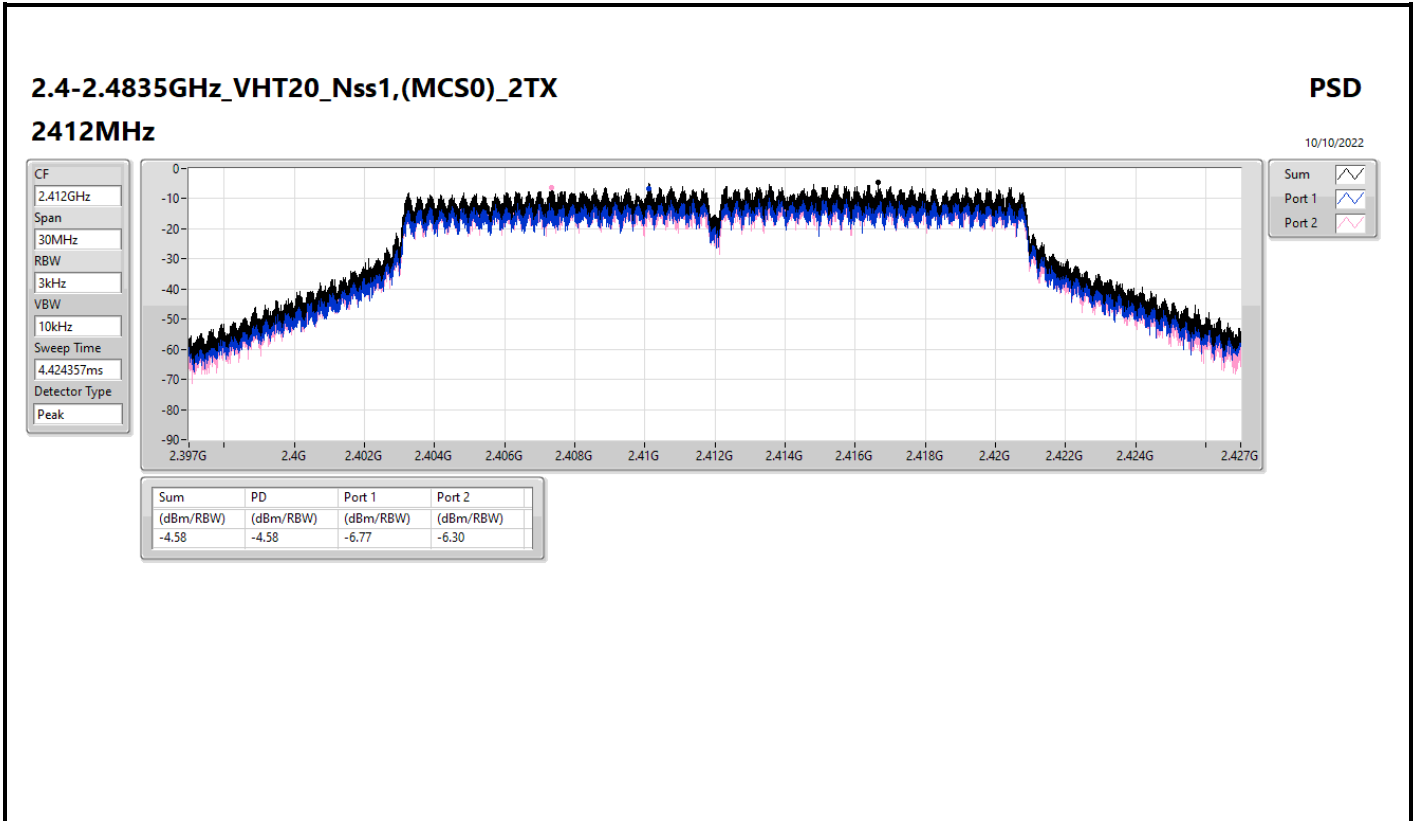
### 2.4-2.4835GHz\_802.11n HT40\_Nss1,(MCS0)\_2TX

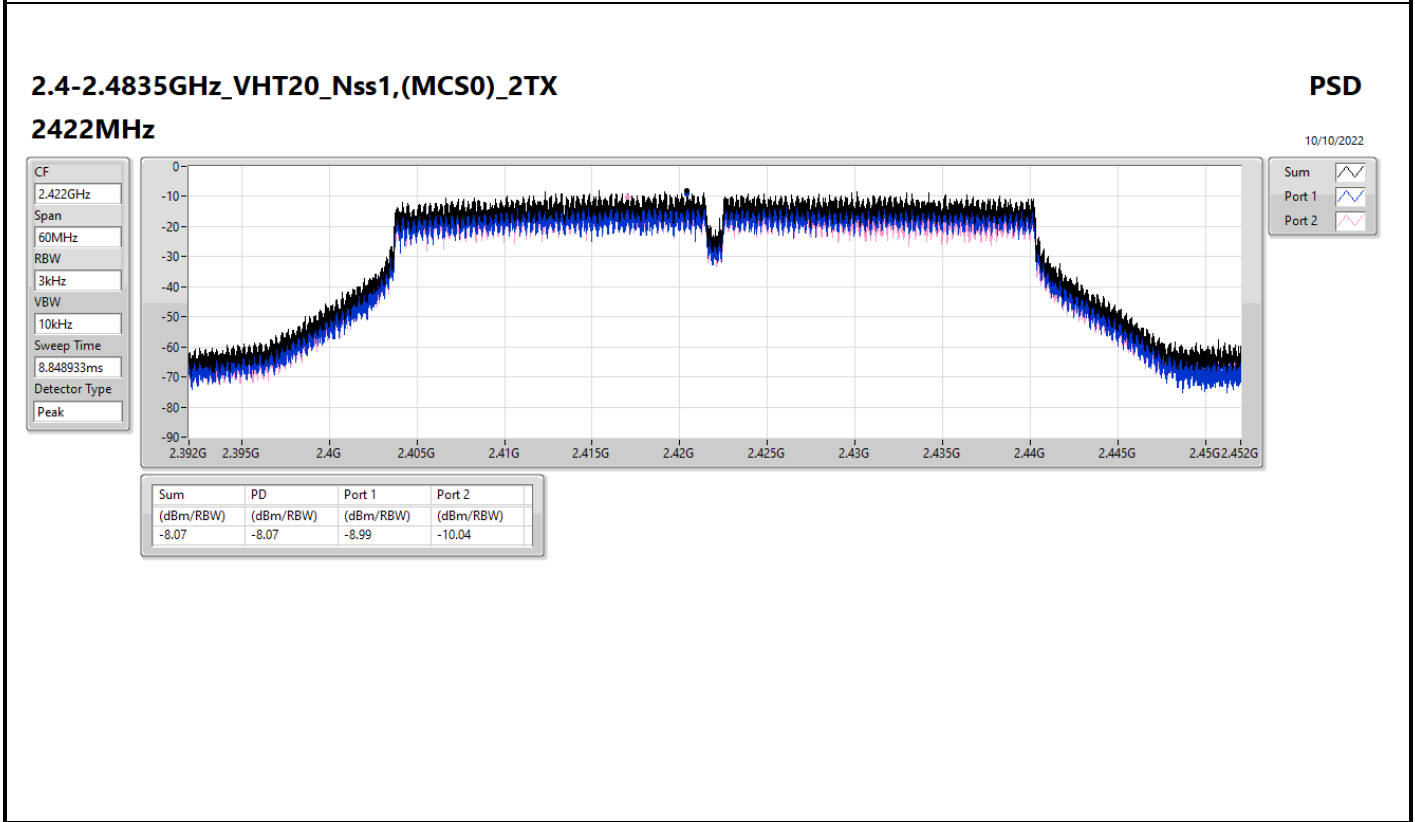
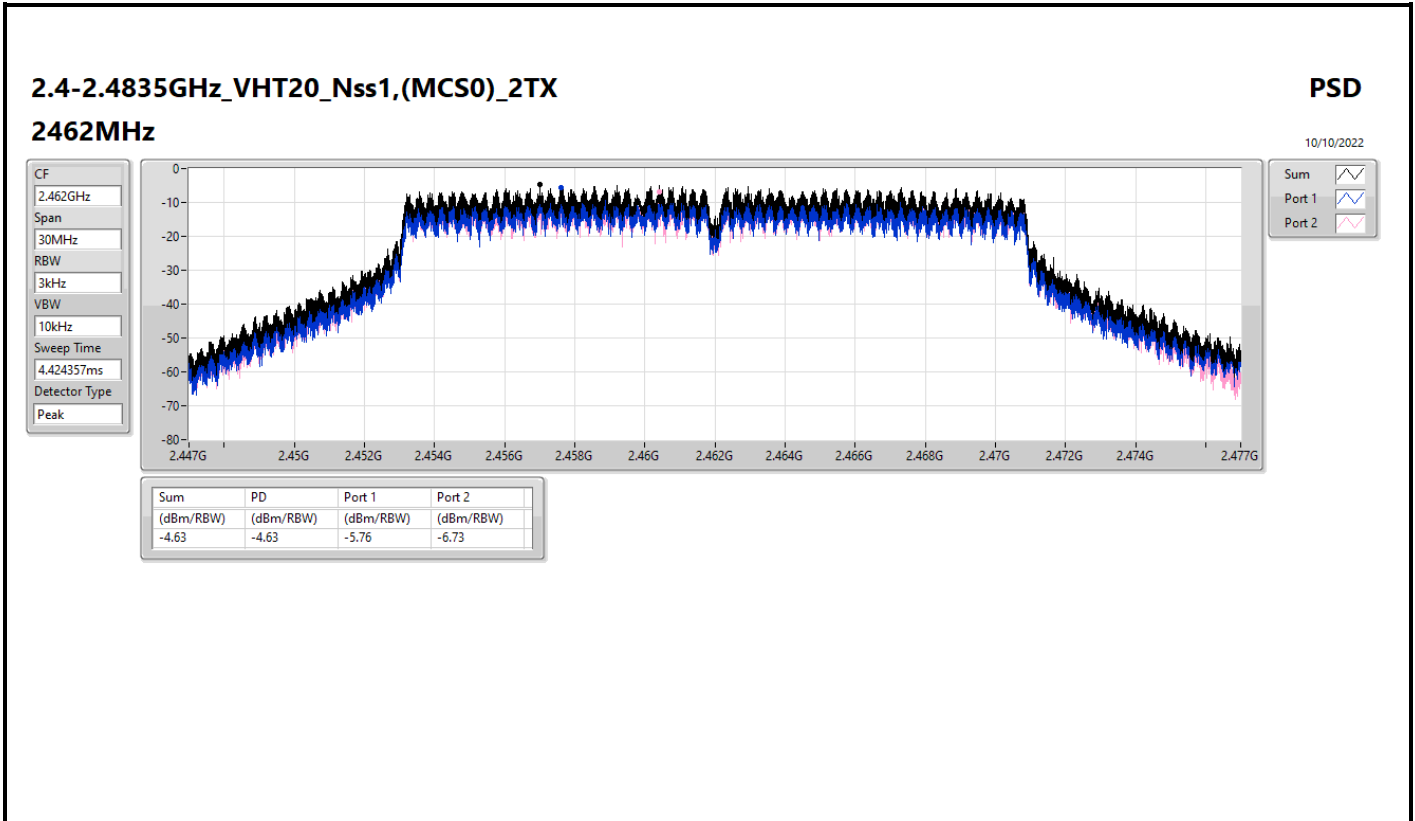
#### 2422MHz

**PSD**

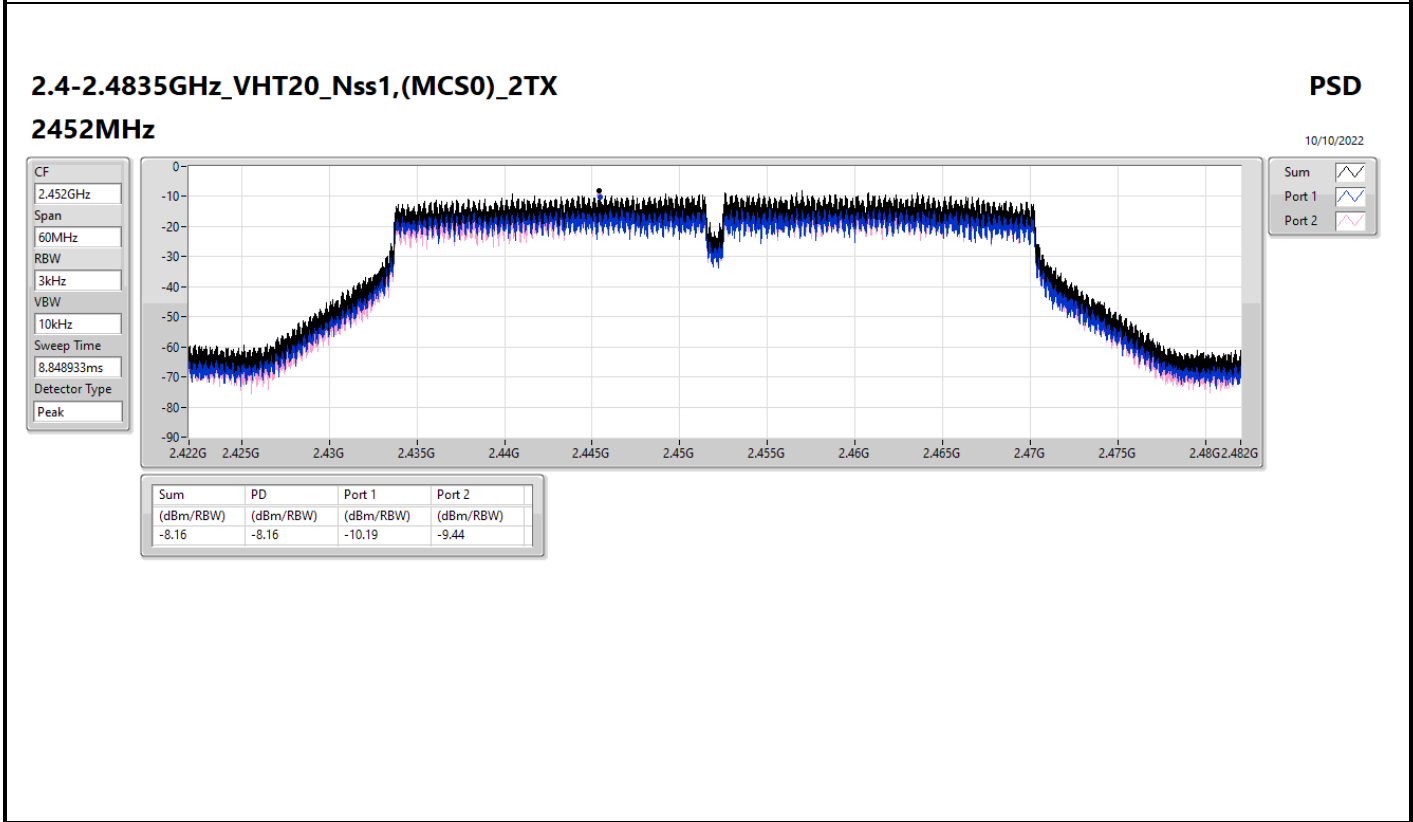
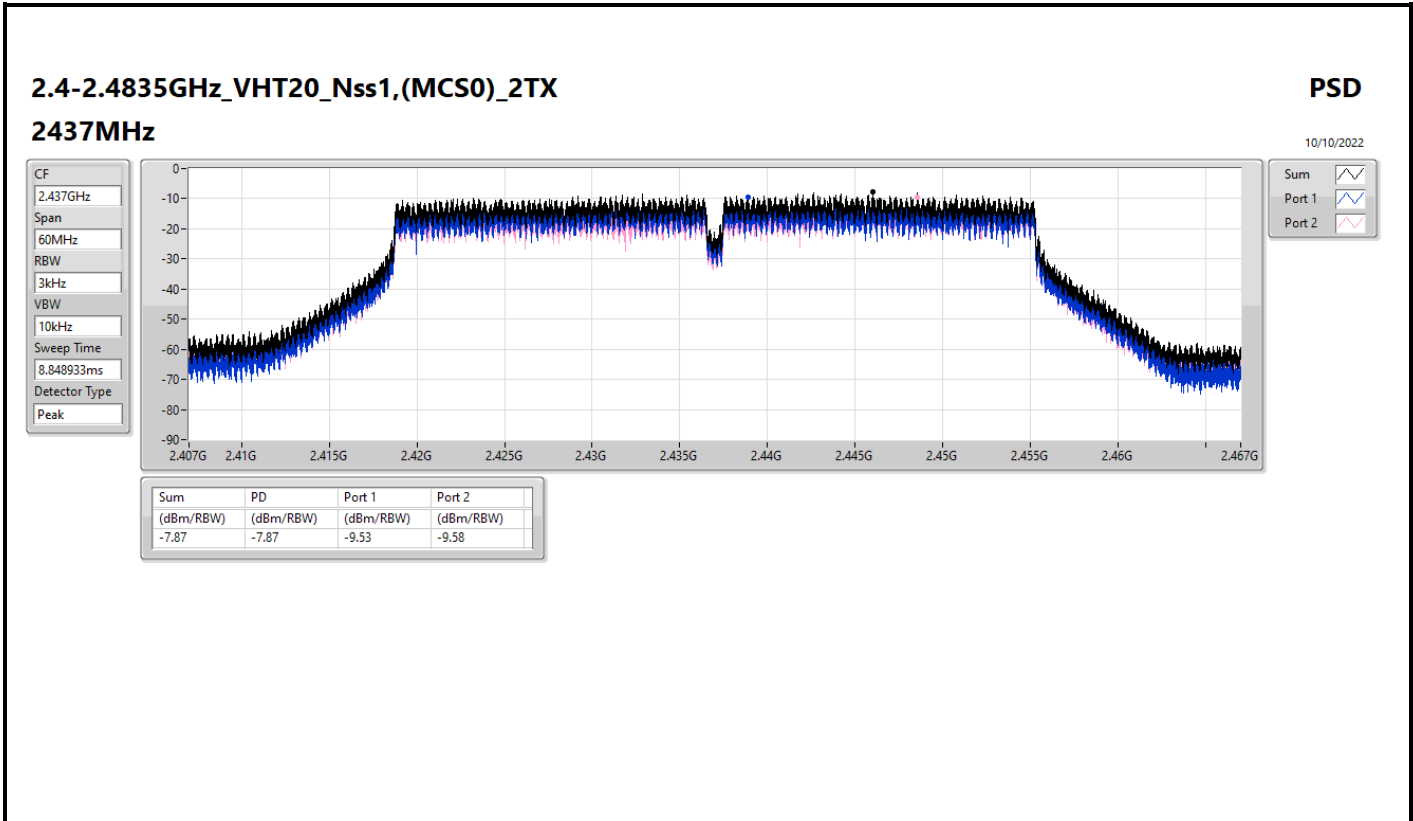
10/10/2022

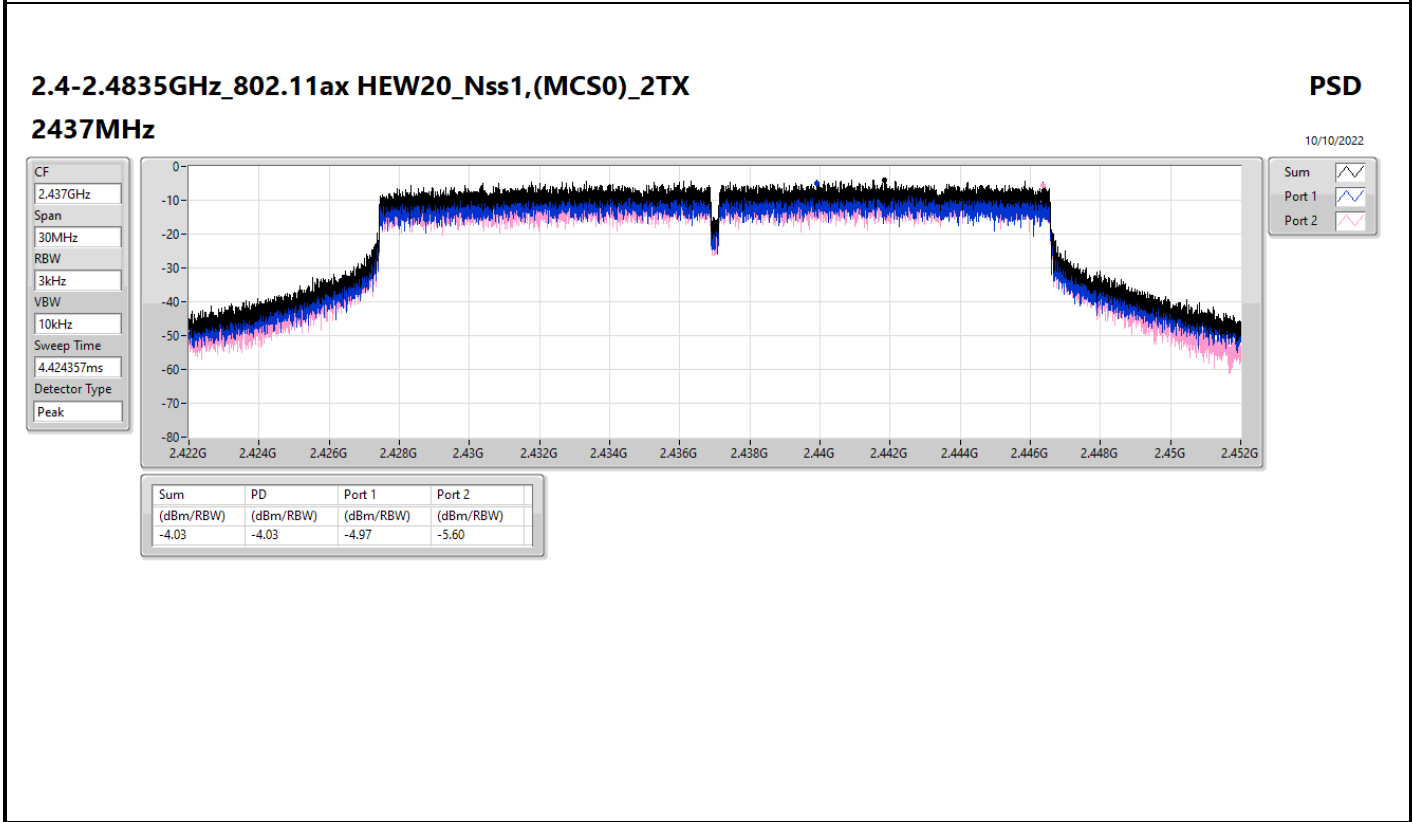
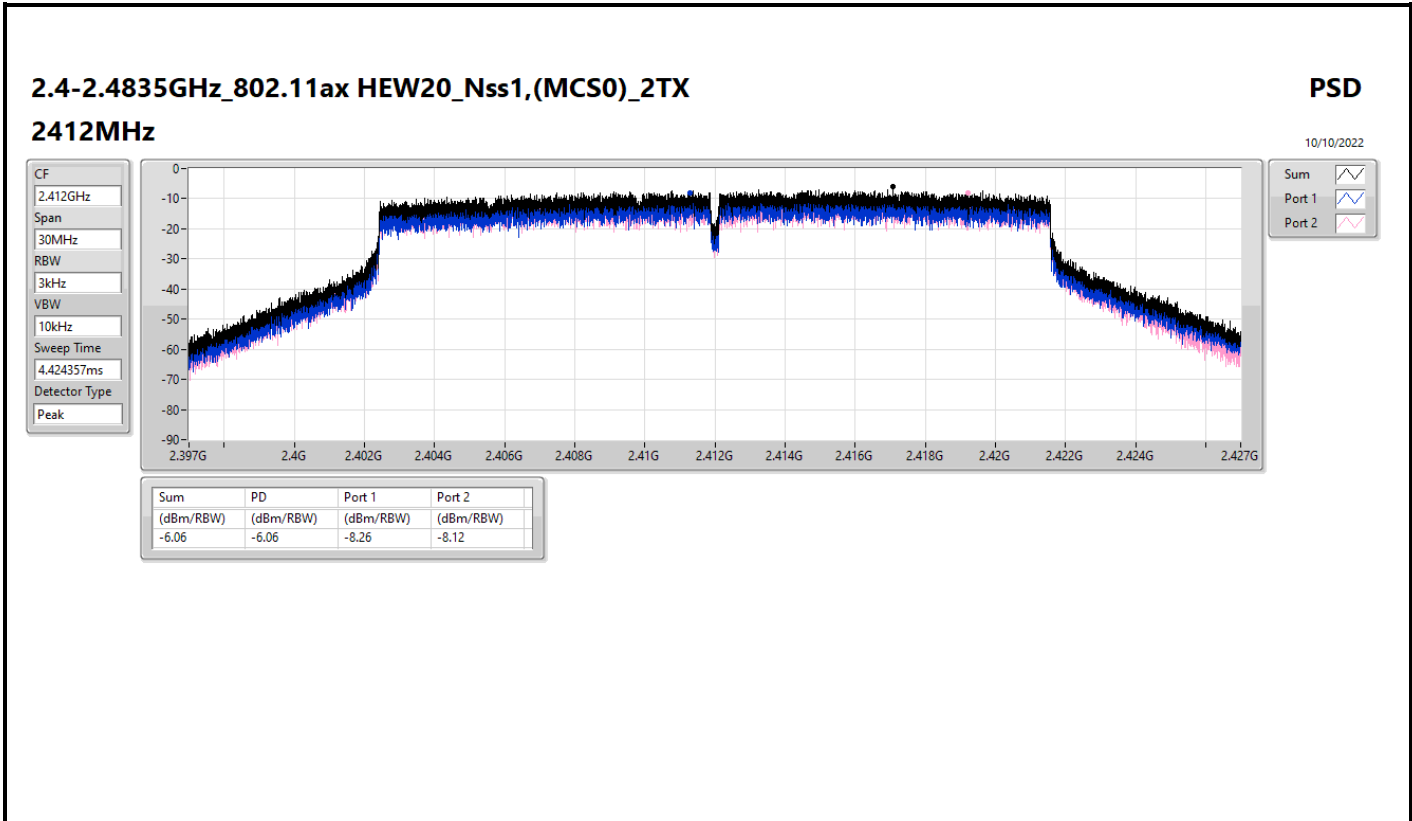


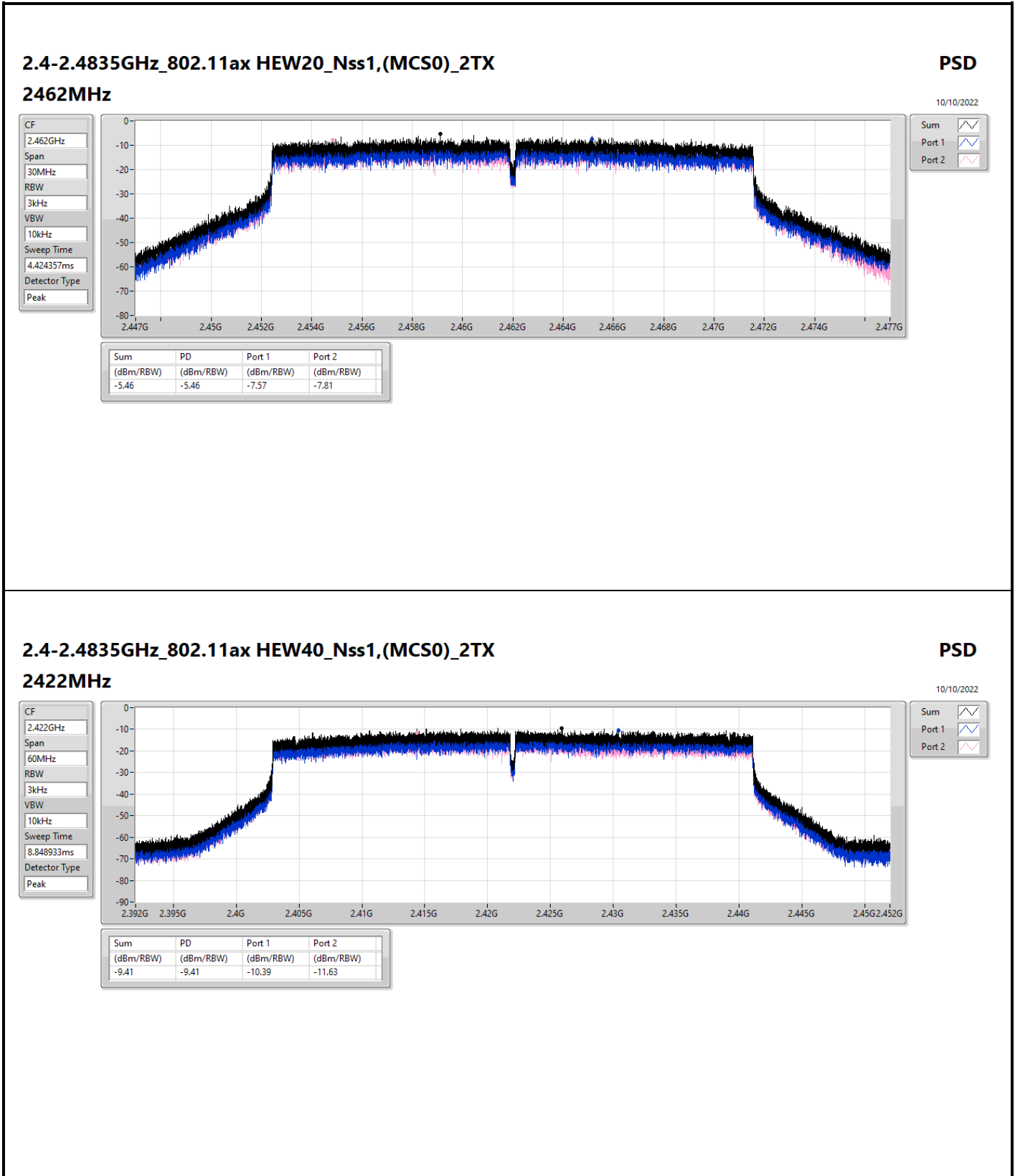












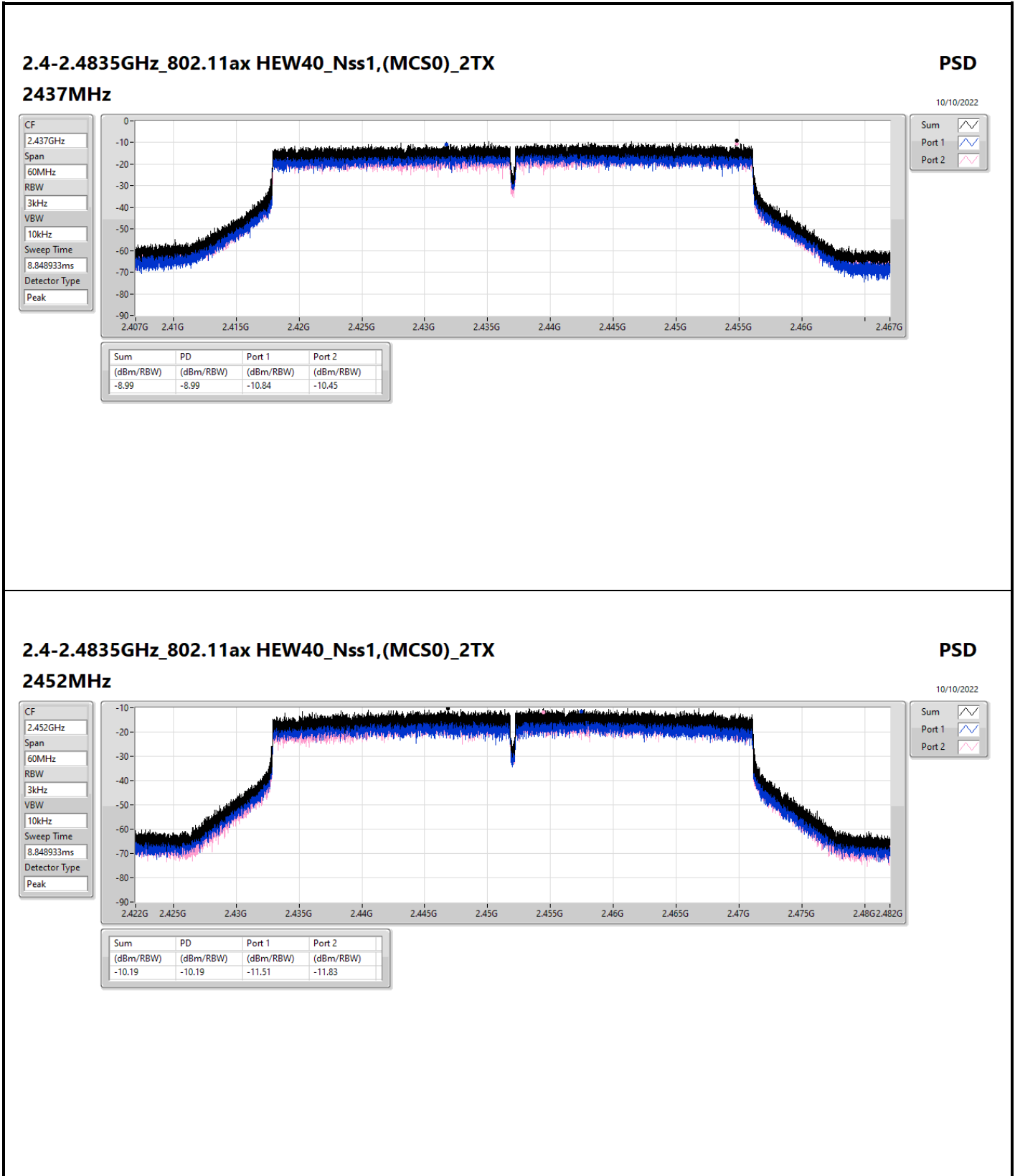
### 2.4-2.4835GHz\_802.11ax HEW40\_Nss1,(MCS0)\_2TX

#### 2422MHz

**PSD**

10/10/2022

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





Summary

Mode	PD (dBm/RBW)
2.4-2.4835GHz	-
802.11b_Nss1,(1Mbps)_2TX	-0.00
802.11g_Nss1,(6Mbps)_2TX	-5.67
802.11n HT20_Nss1,(MCS0)_2TX	-4.40
802.11n HT40_Nss1,(MCS0)_2TX	-9.08
VHT20_Nss1,(MCS0)_2TX	-3.40
VHT40_Nss1,(MCS0)_2TX	-8.14
802.11ax HEW20_Nss1,(MCS0)_2TX	-4.28
802.11ax HEW40_Nss1,(MCS0)_2TX	-9.30

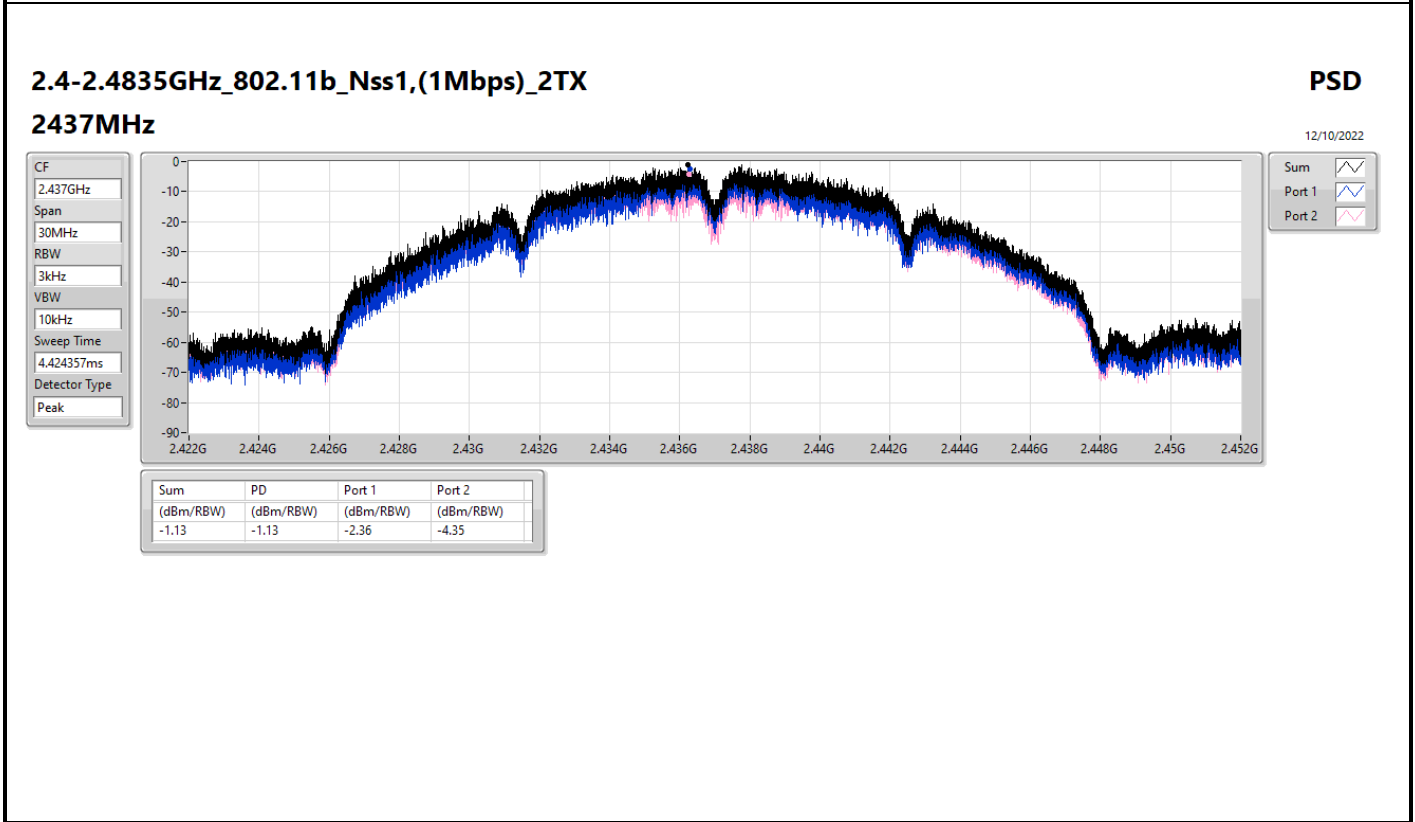
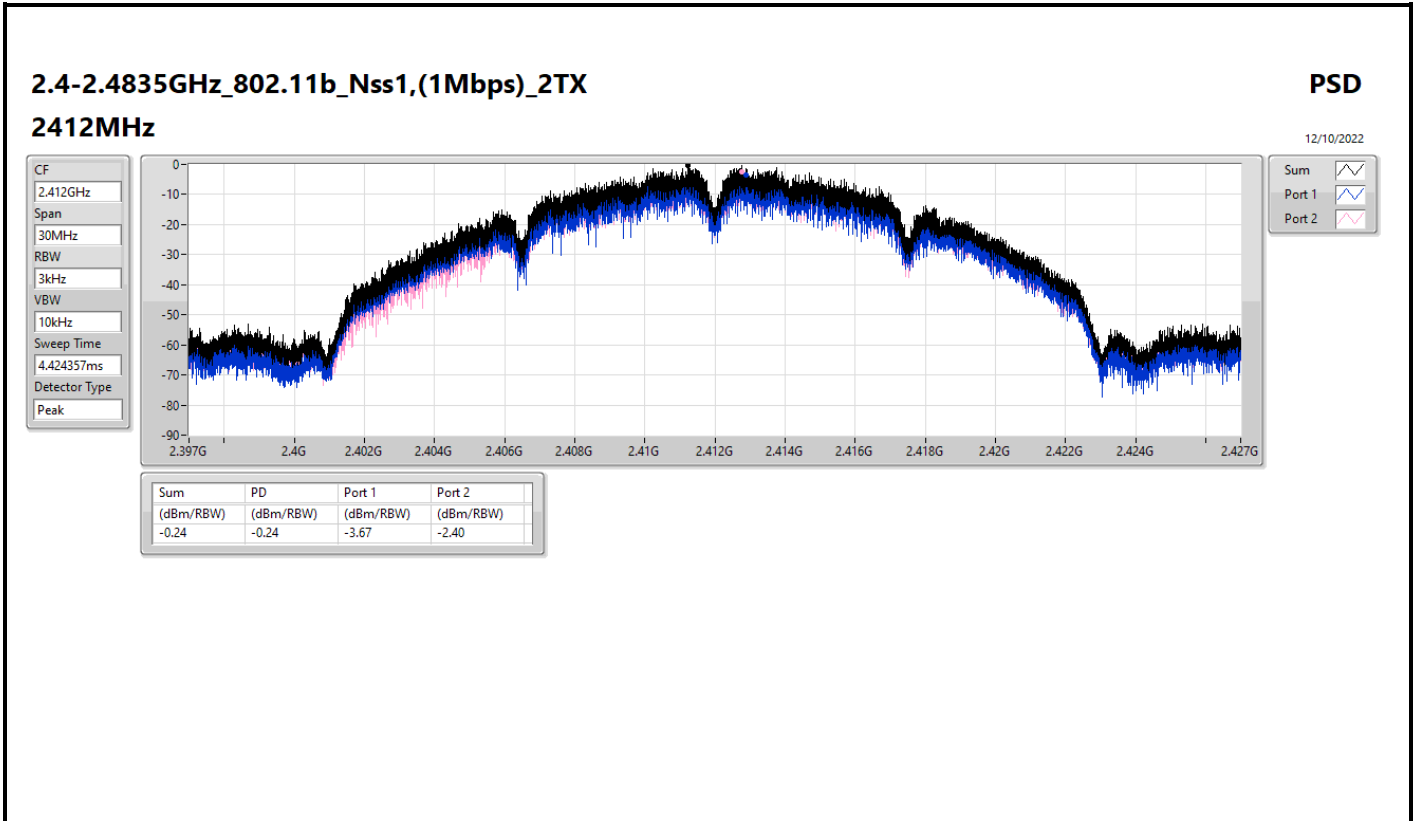
RBW = 3kHz;

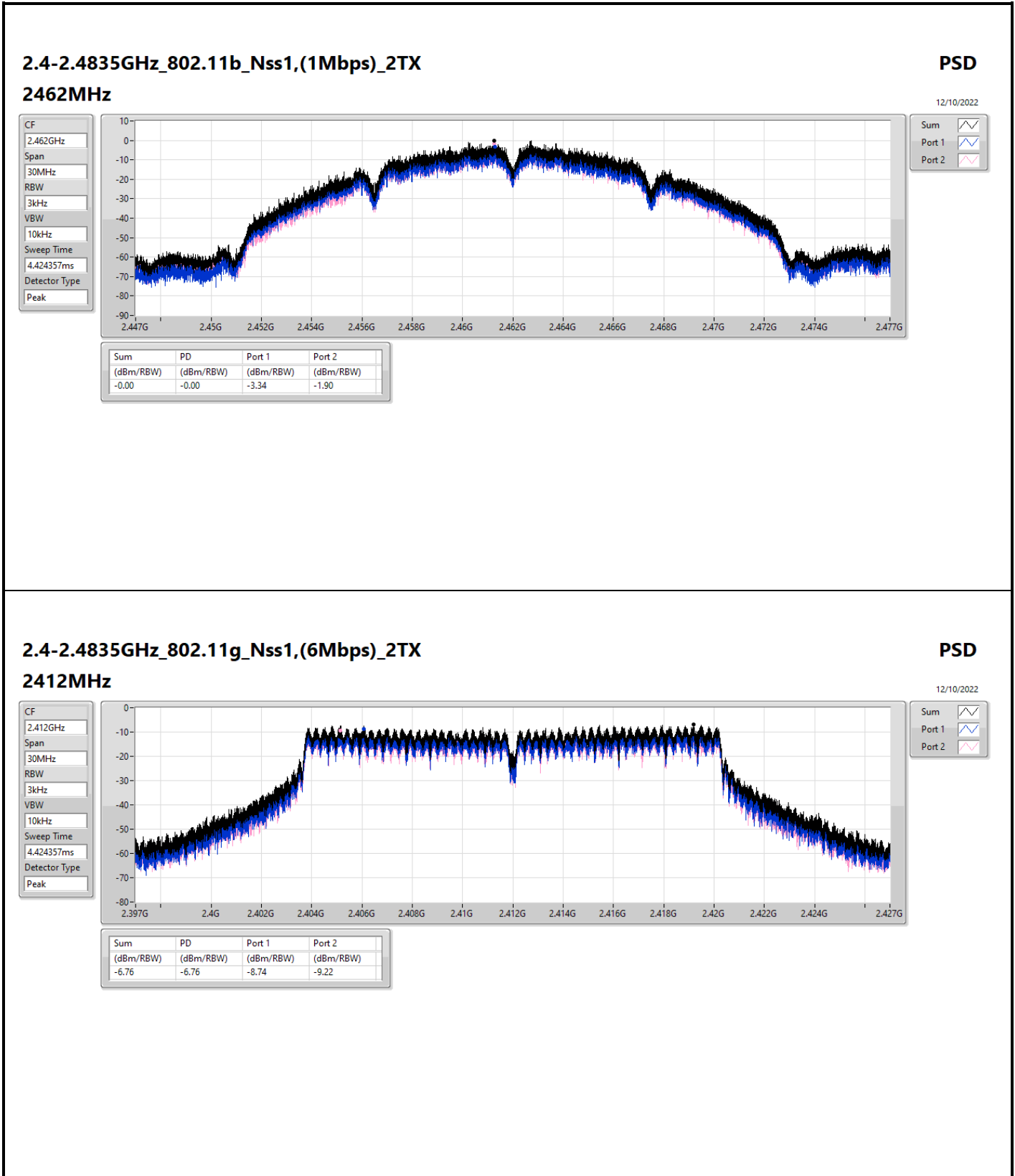


Result

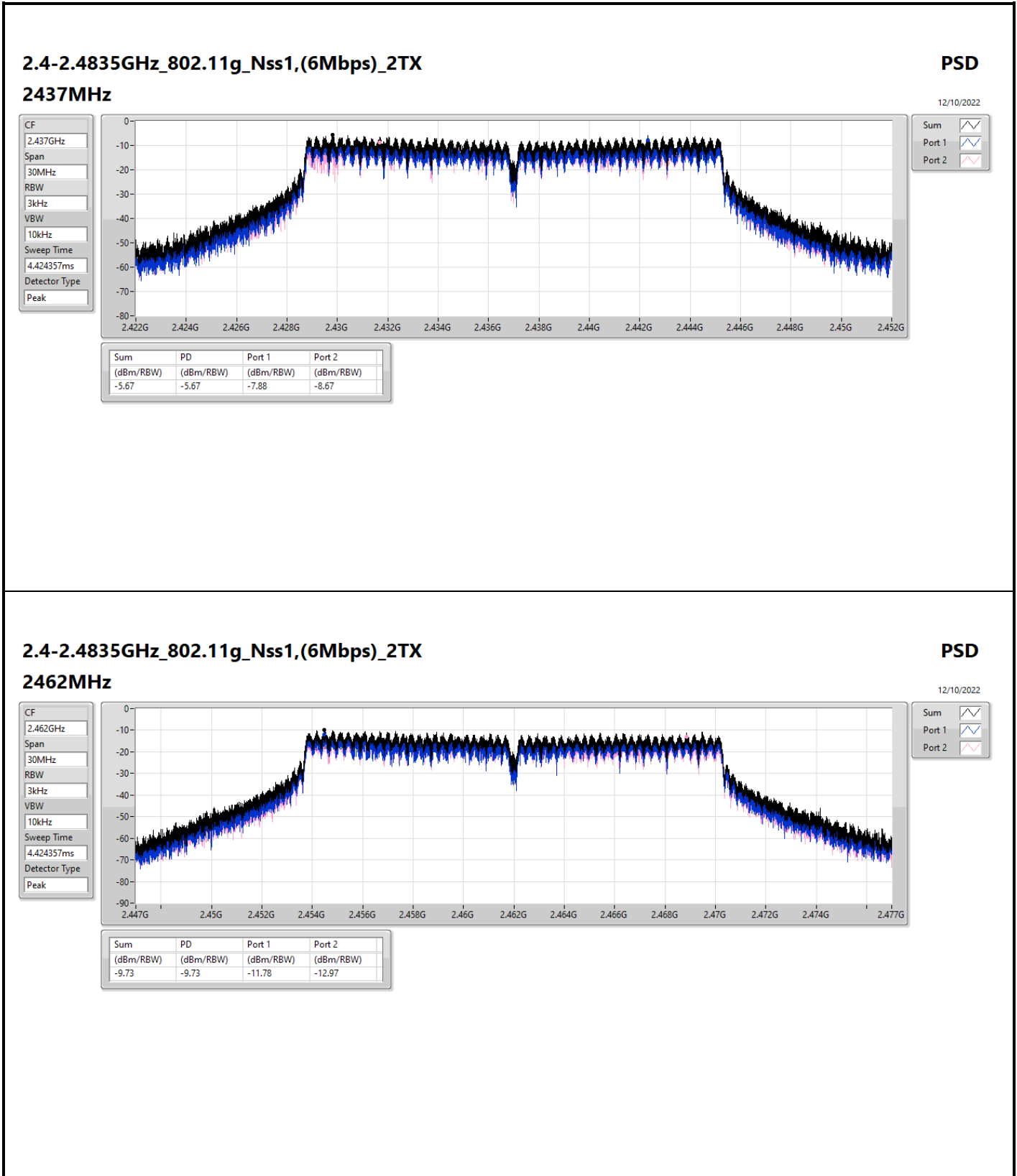
Mode	Result	DG (dBi)	Port 1 (dBm/RBW)	Port 2 (dBm/RBW)	PD (dBm/RBW)	PD Limit (dBm/RBW)
802.11b_Nss1,(1Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.41	-3.67	-2.40	-0.24	6.59
2437MHz	Pass	7.41	-2.36	-4.35	-1.13	6.59
2462MHz	Pass	7.41	-3.34	-1.90	-0.00	6.59
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.41	-8.74	-9.22	-6.76	6.59
2437MHz	Pass	7.41	-7.88	-8.67	-5.67	6.59
2462MHz	Pass	7.41	-11.78	-12.97	-9.73	6.59
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.41	-8.76	-9.63	-6.86	6.59
2437MHz	Pass	7.41	-6.55	-6.80	-4.40	6.59
2462MHz	Pass	7.41	-12.39	-13.36	-10.82	6.59
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.41	-11.13	-11.87	-9.52	6.59
2437MHz	Pass	7.41	-10.67	-11.29	-9.08	6.59
2452MHz	Pass	7.41	-13.95	-14.53	-11.50	6.59
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.41	-7.94	-8.50	-6.90	6.59
2437MHz	Pass	7.41	-5.15	-5.39	-3.40	6.59
2462MHz	Pass	7.41	-13.34	-13.12	-10.62	6.59
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.41	-10.60	-11.22	-8.69	6.59
2437MHz	Pass	7.41	-9.84	-10.87	-8.14	6.59
2452MHz	Pass	7.41	-13.74	-14.06	-11.82	6.59
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2412MHz	Pass	7.41	-8.47	-8.76	-7.09	6.59
2437MHz	Pass	7.41	-5.37	-6.28	-4.28	6.59
2462MHz	Pass	7.41	-12.54	-12.61	-10.98	6.59
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-
2422MHz	Pass	7.41	-10.90	-12.75	-10.08	6.59
2437MHz	Pass	7.41	-9.86	-12.01	-9.30	6.59
2452MHz	Pass	7.41	-13.84	-14.09	-12.45	6.59

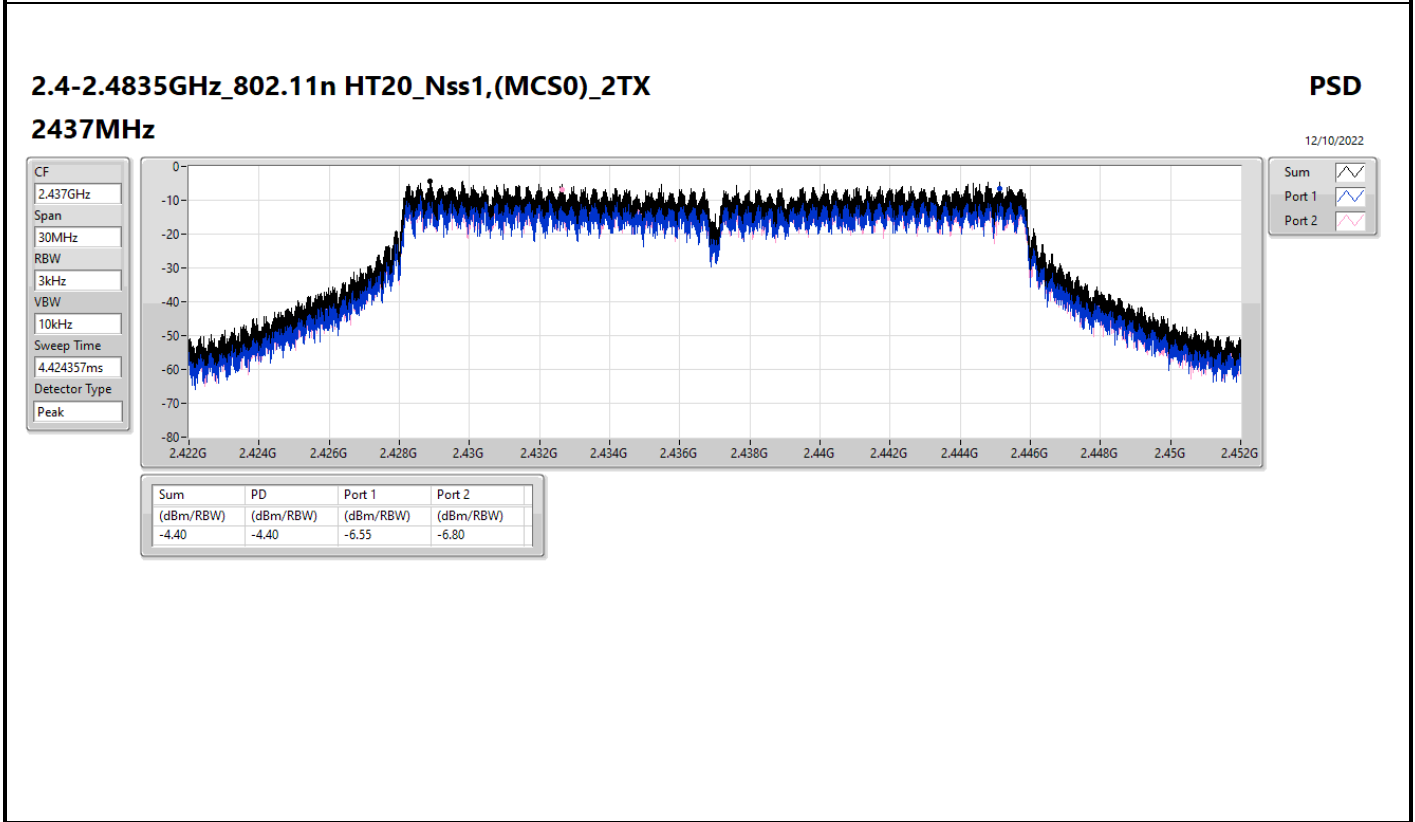
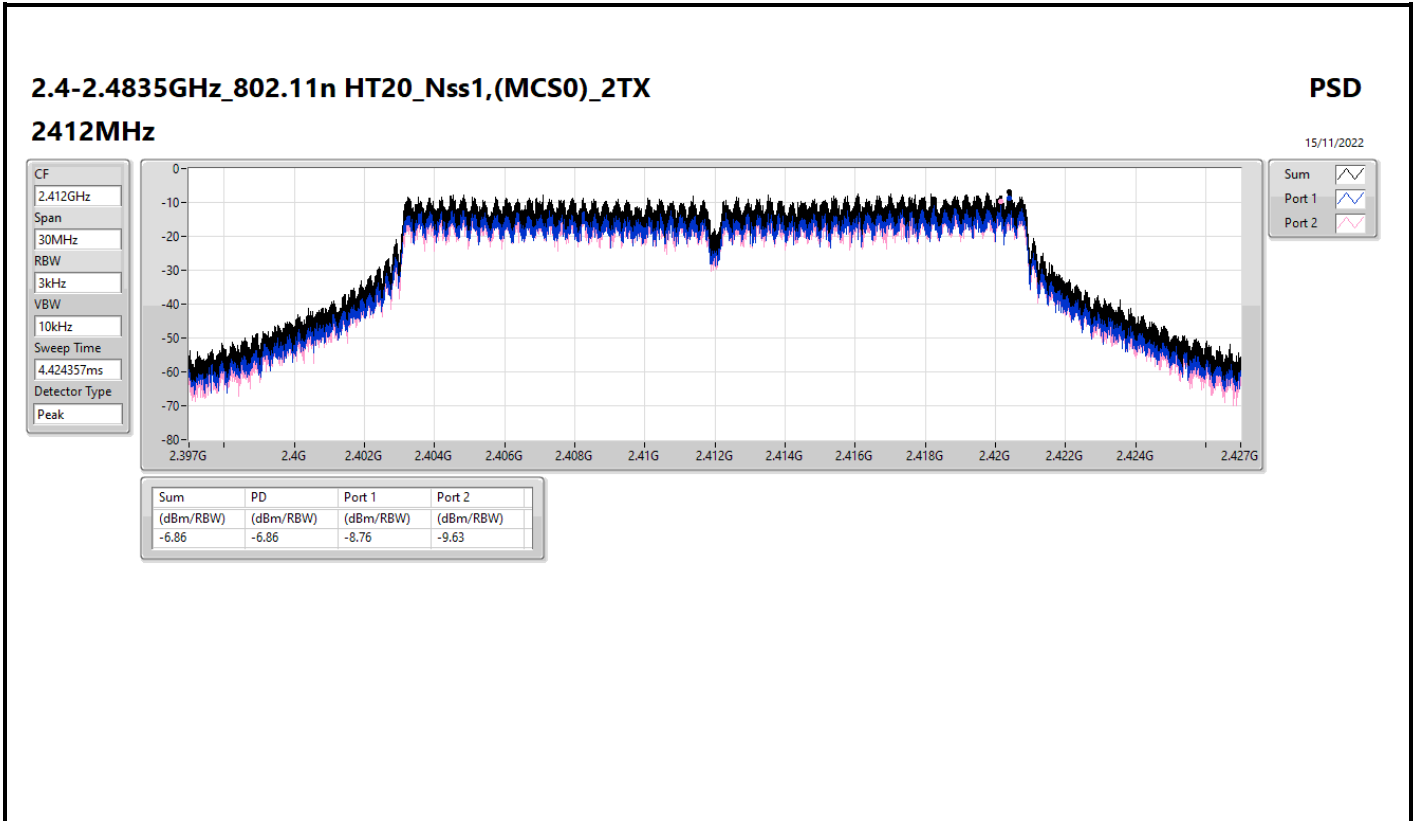
DG = Directional Gain; RBW = 3kHz;  
 PD = trace bin-by-bin of each transmits port summing can be performed maximum power density; Port X = Port X Power Density;

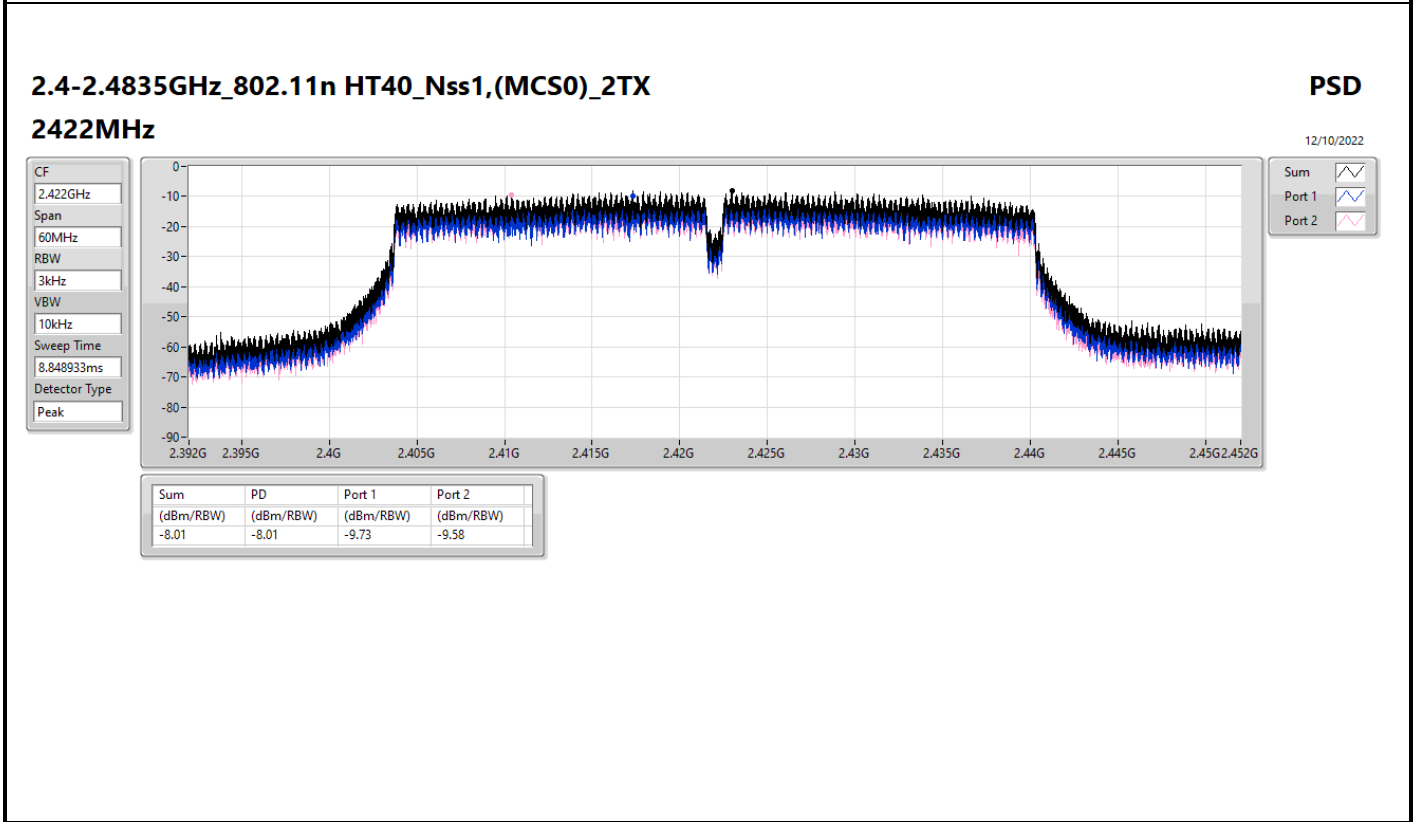
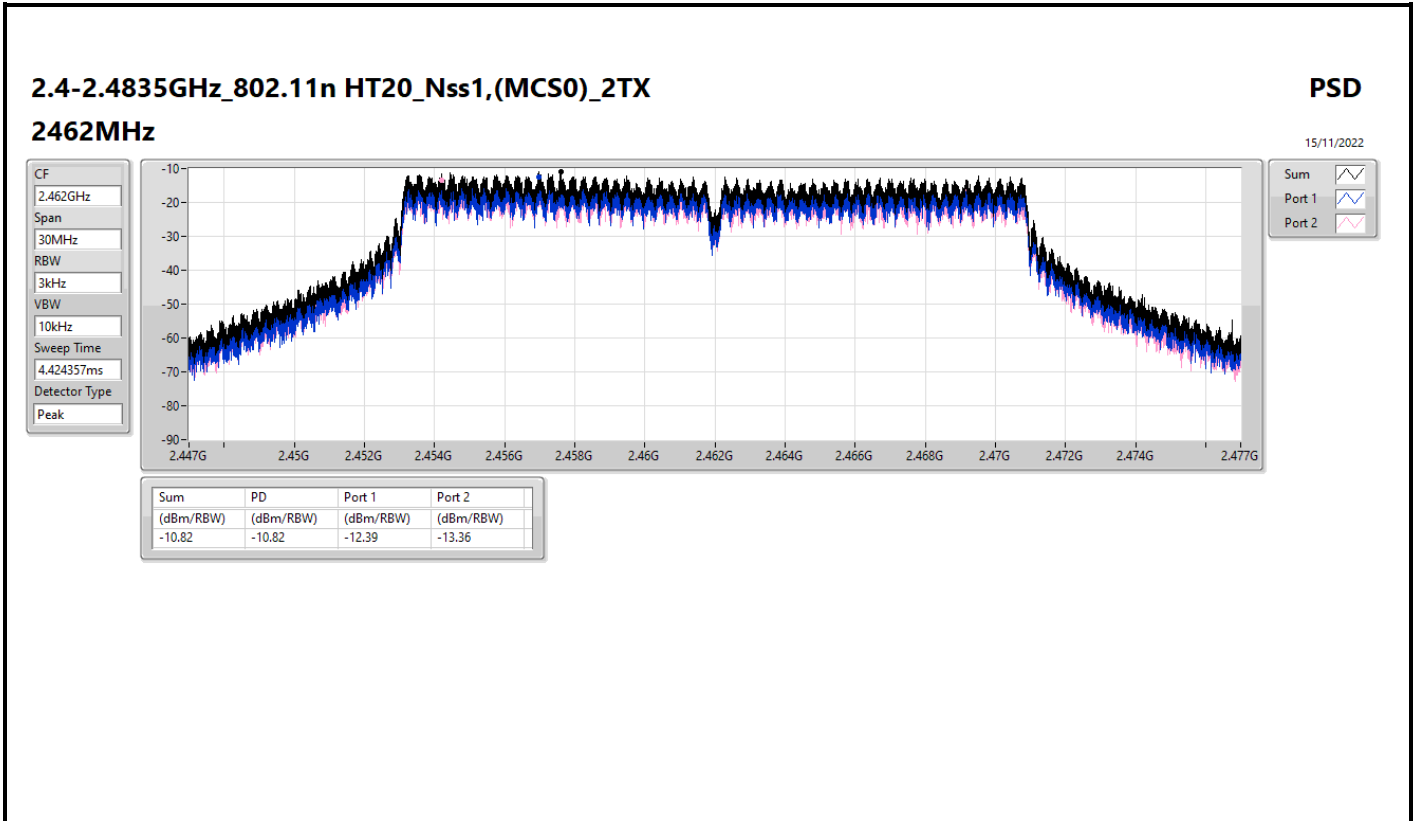


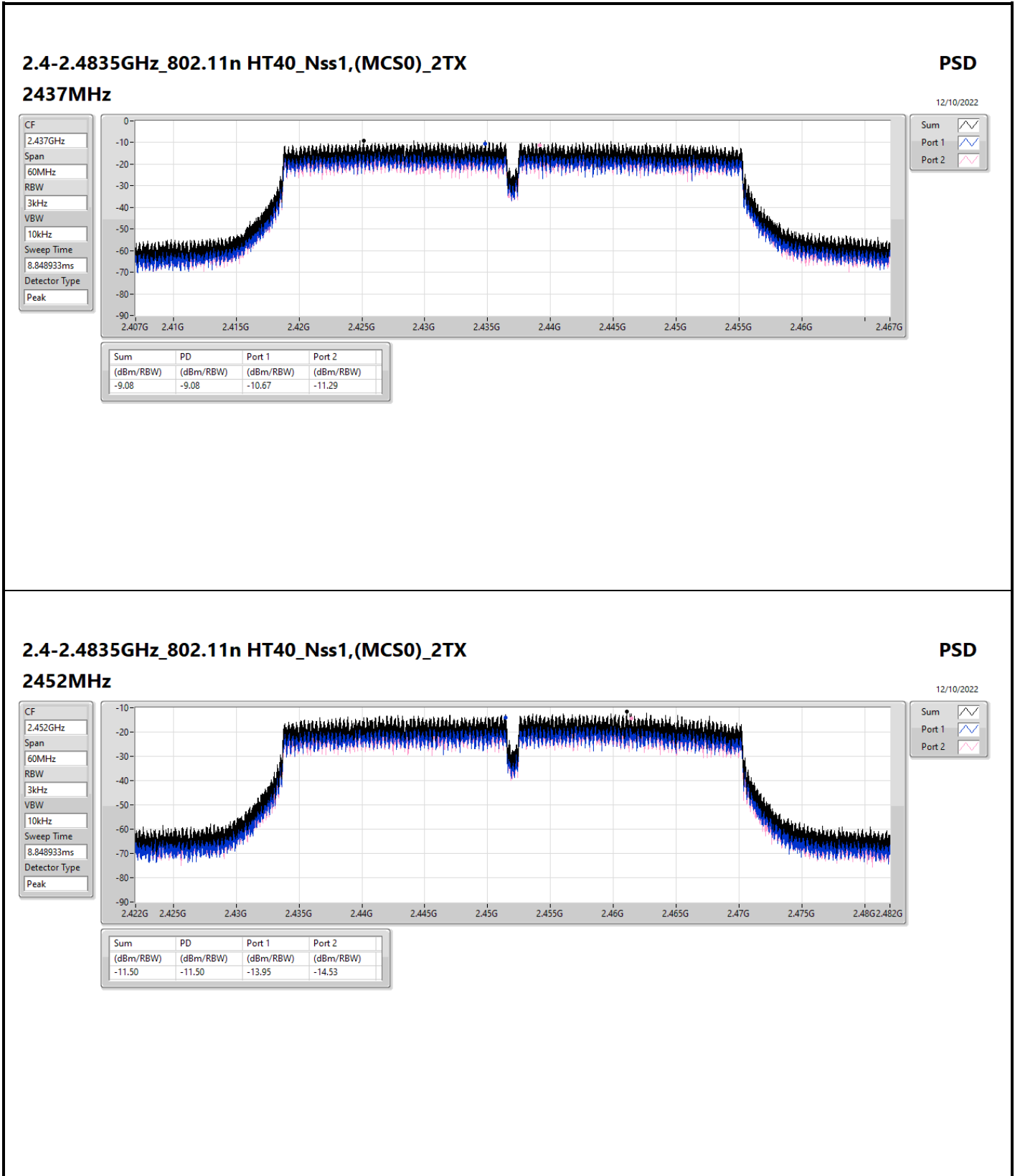


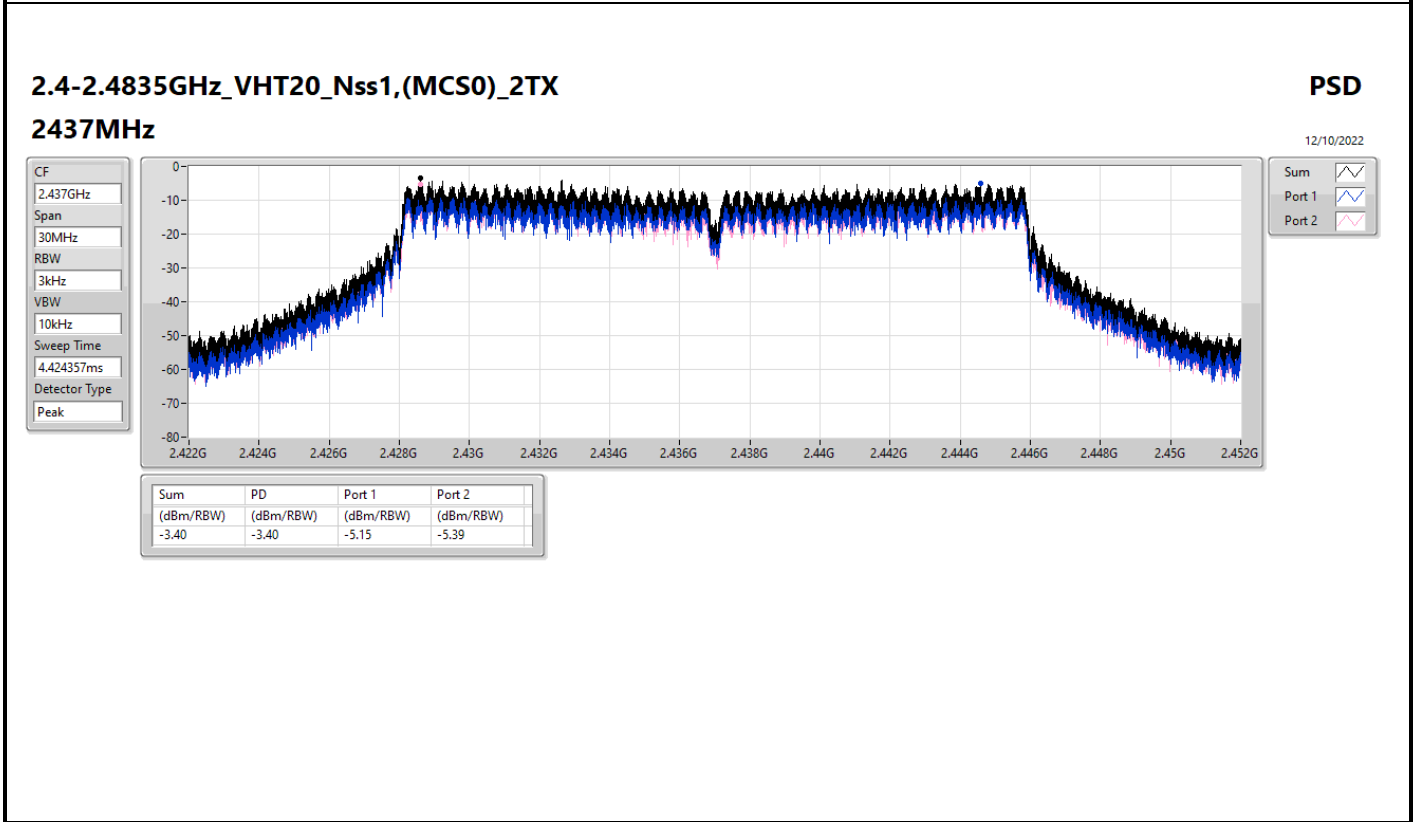
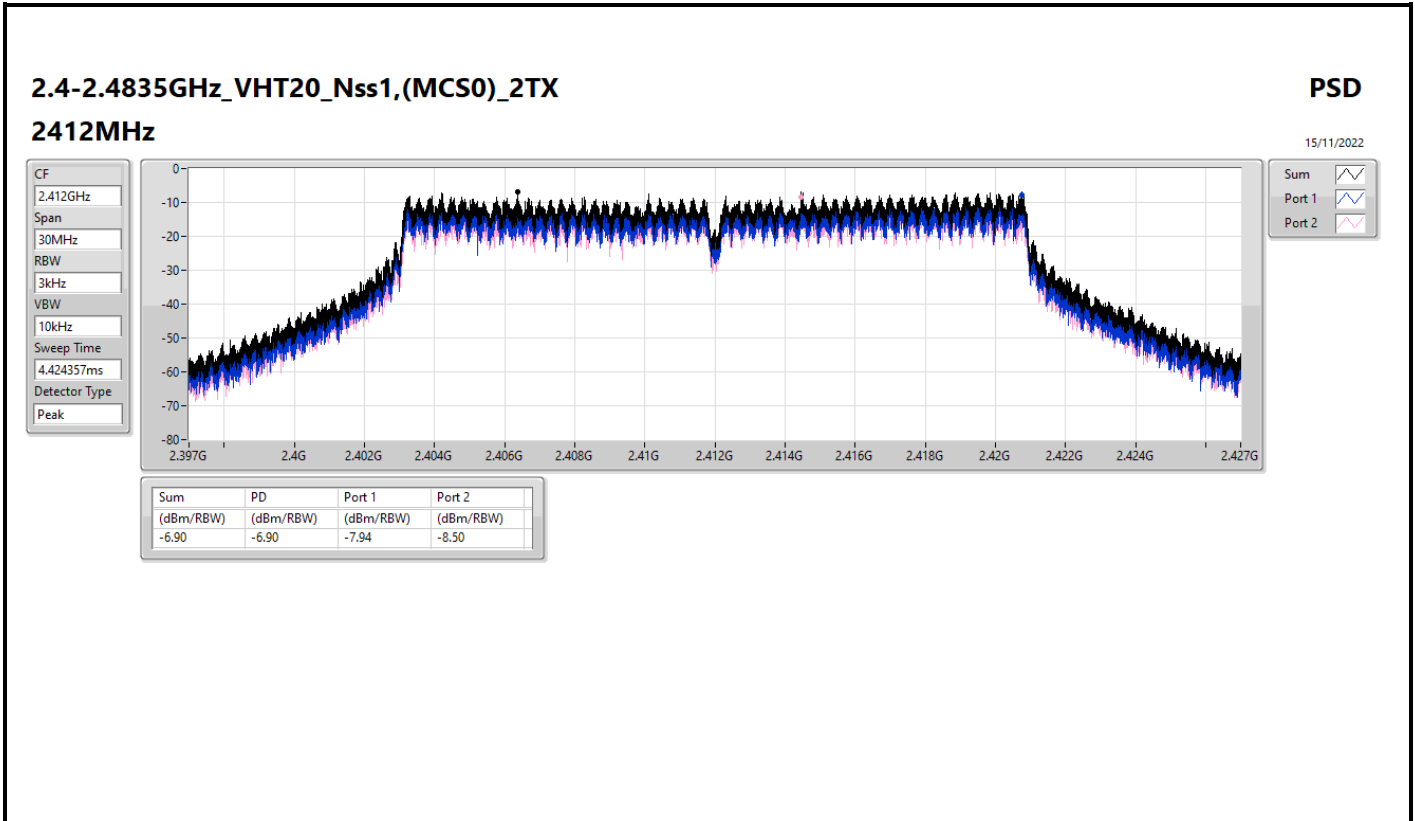


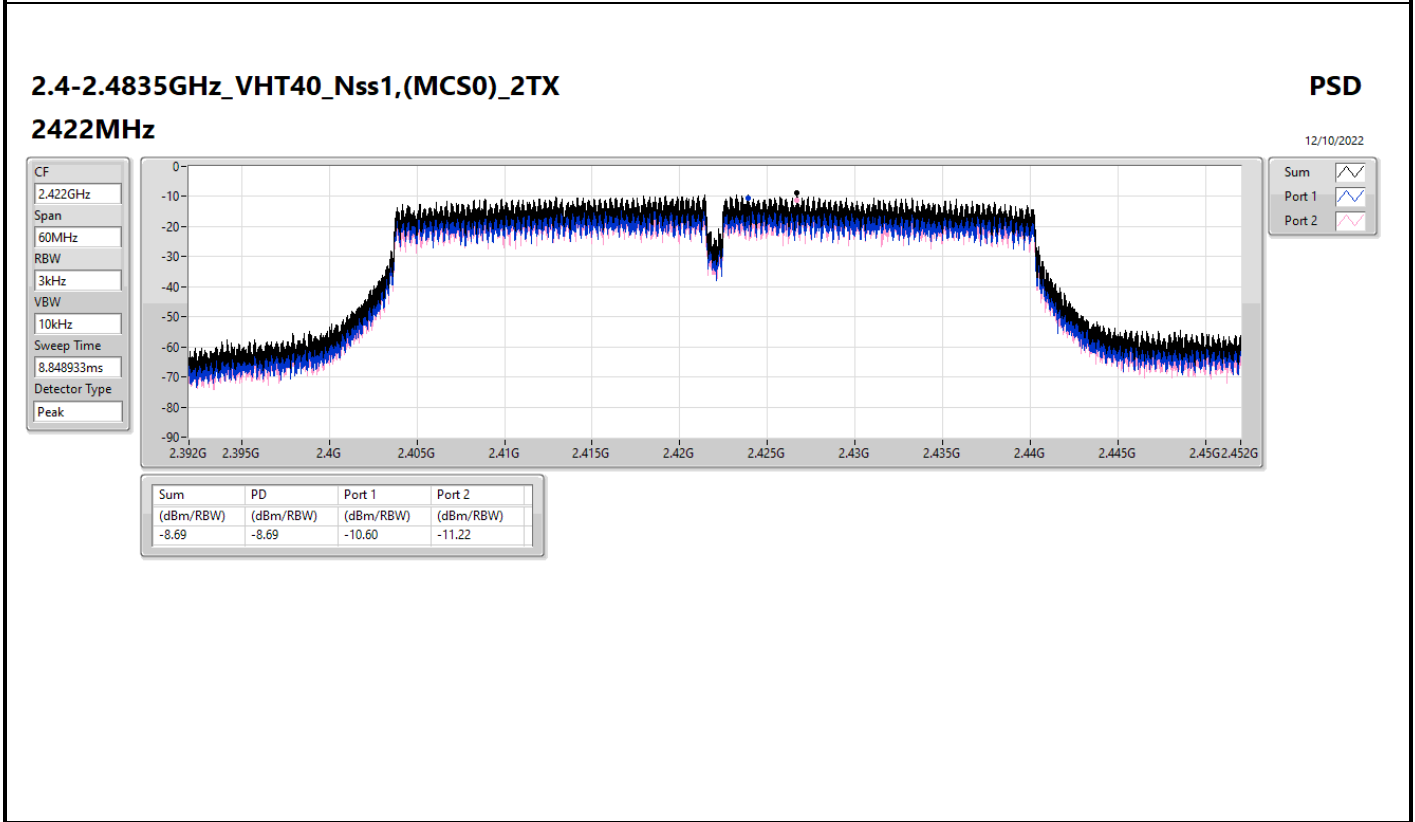
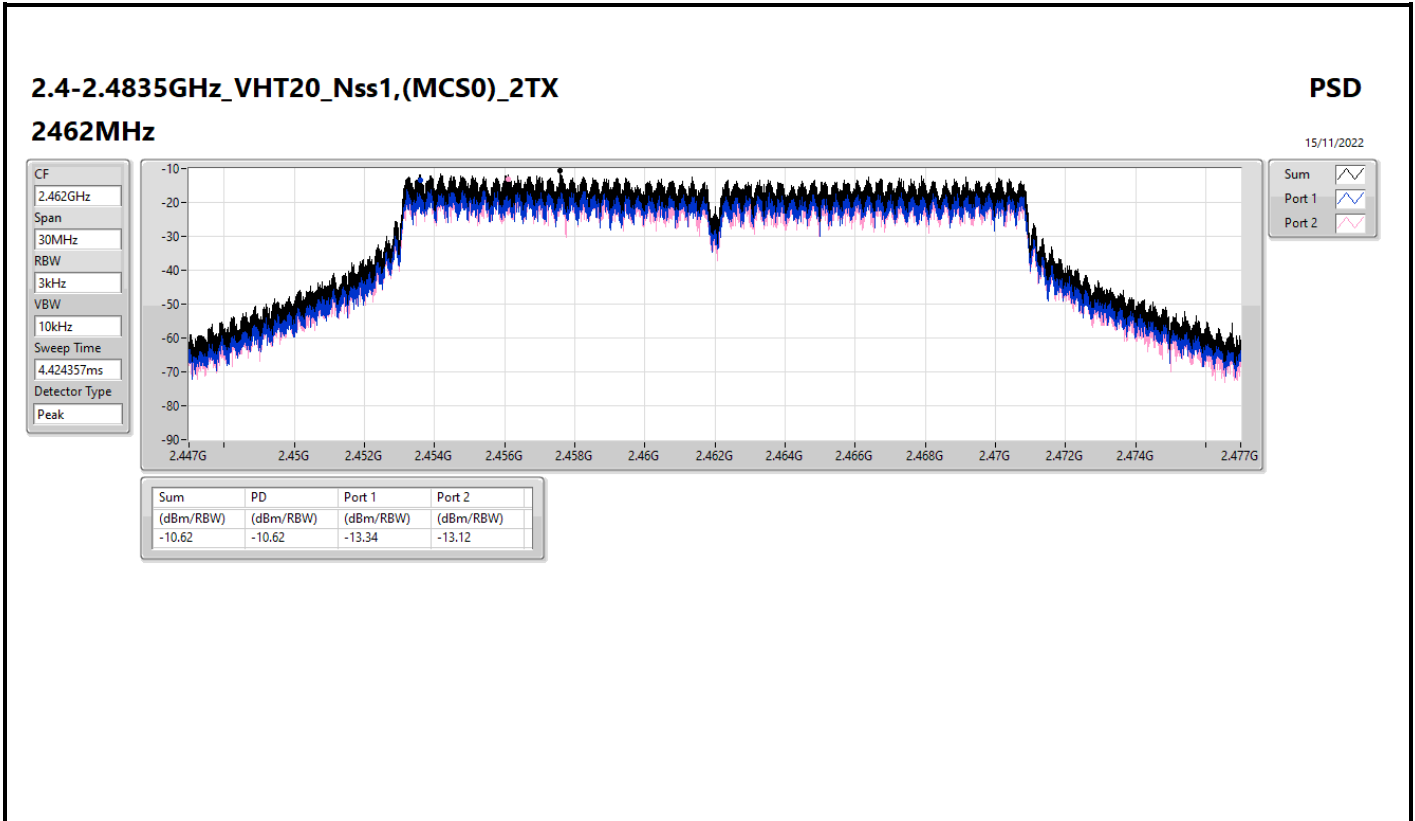


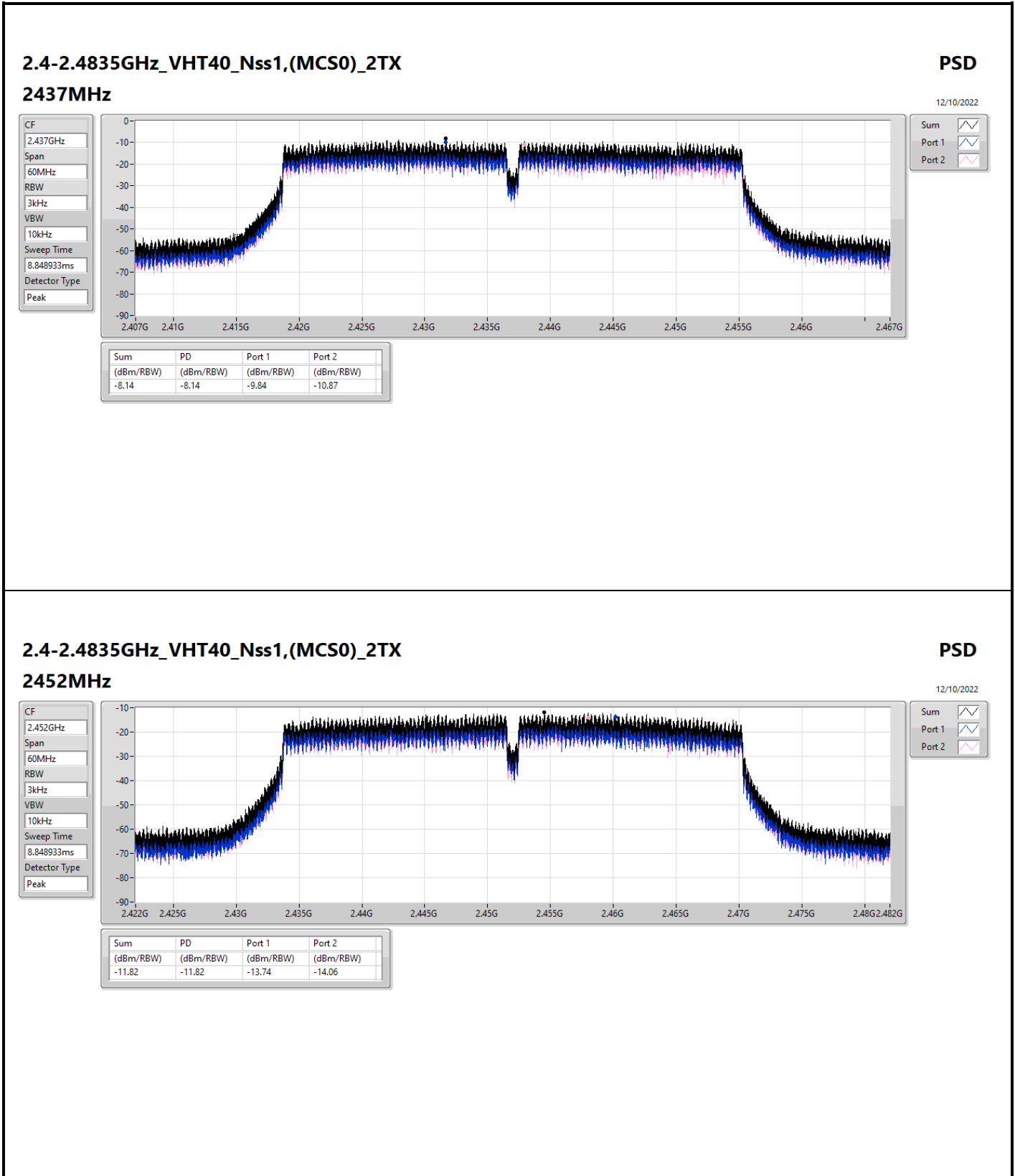


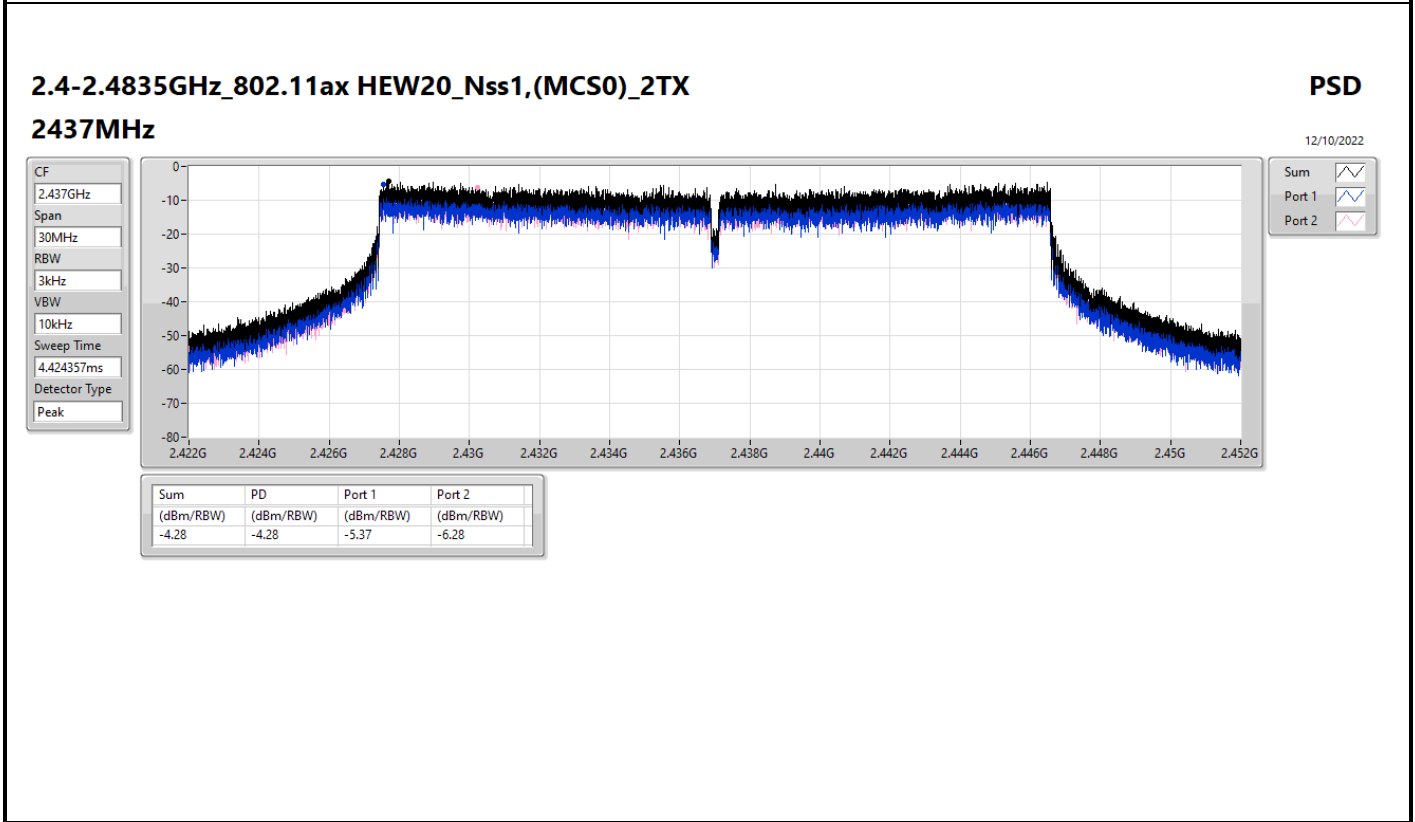
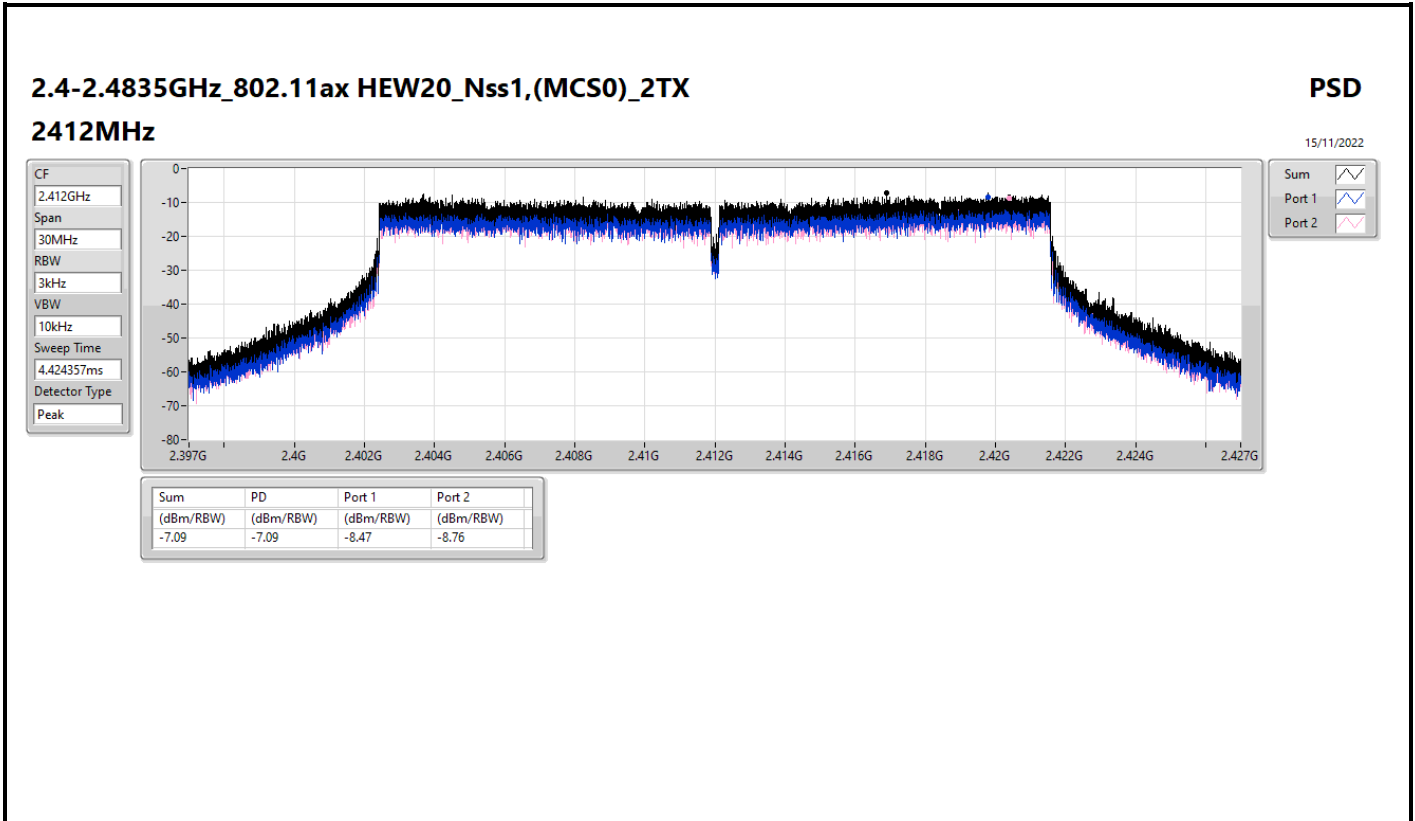




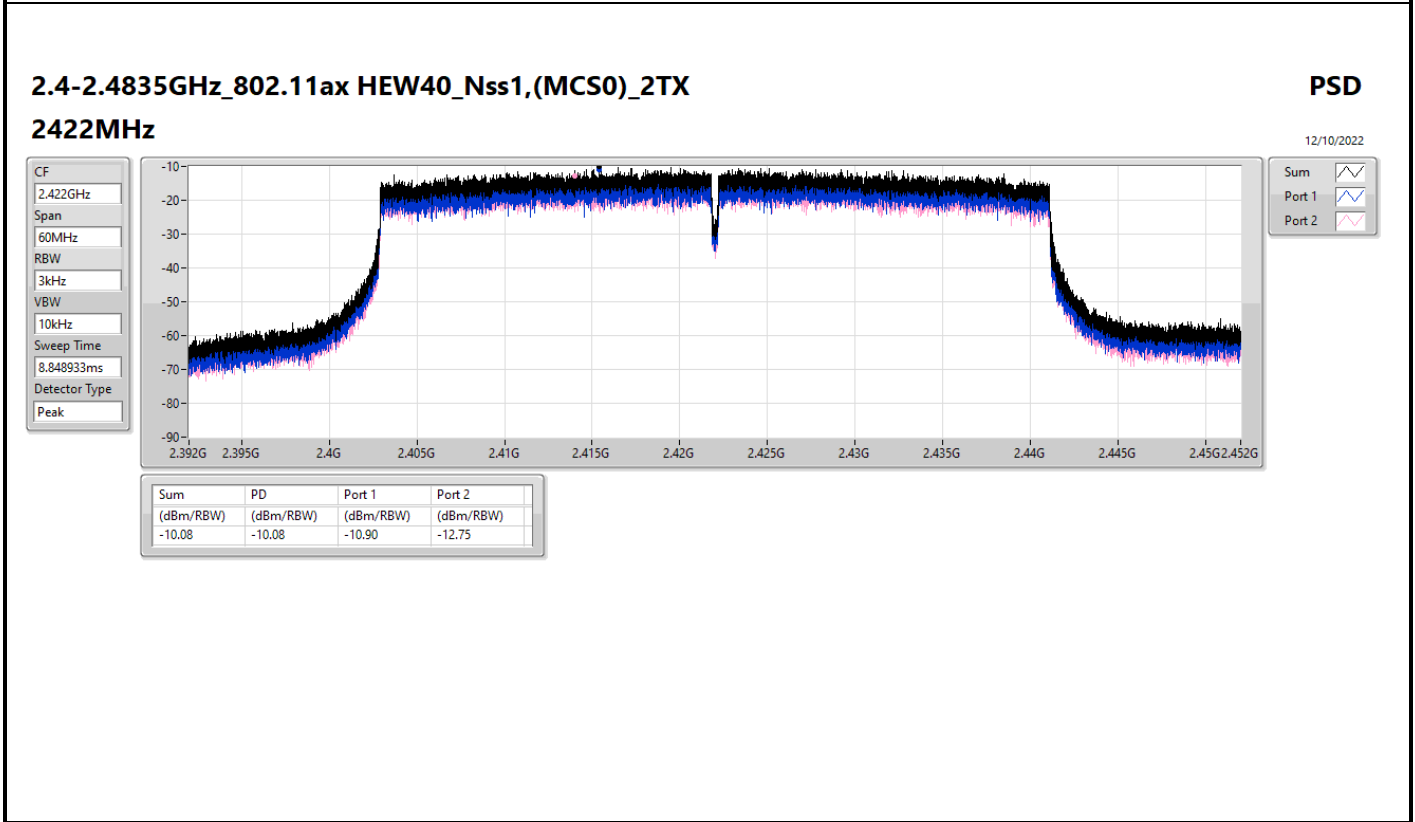
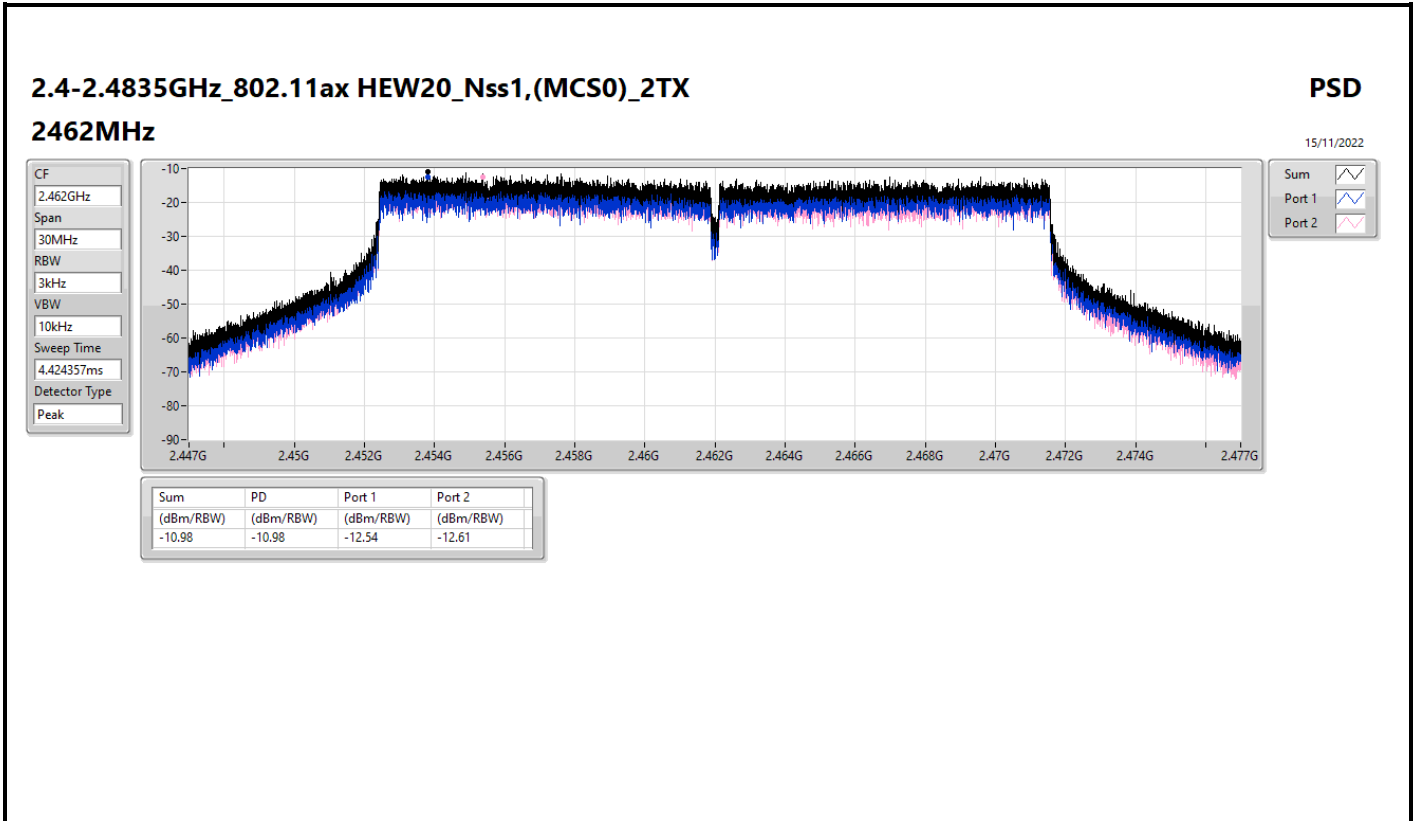


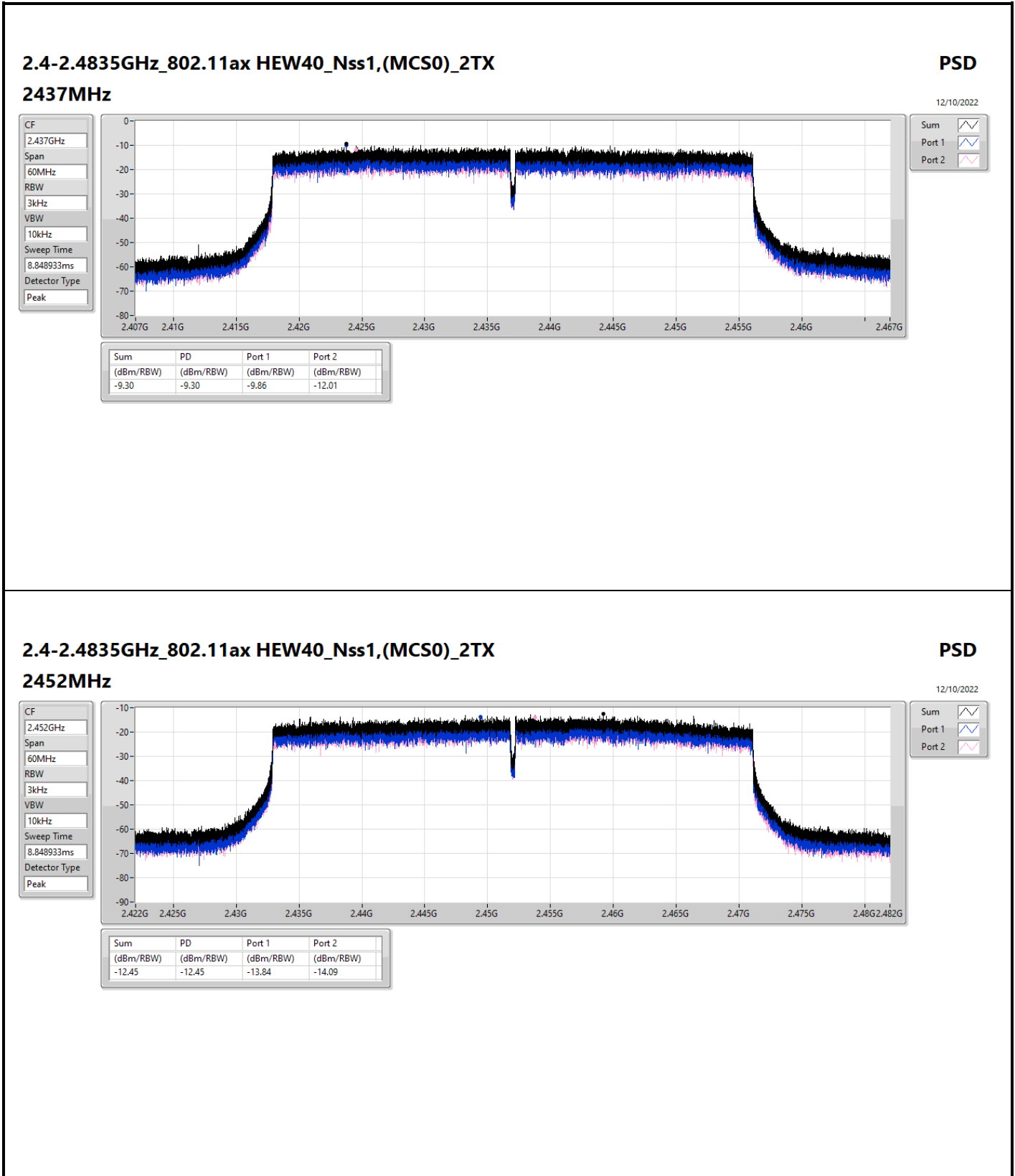














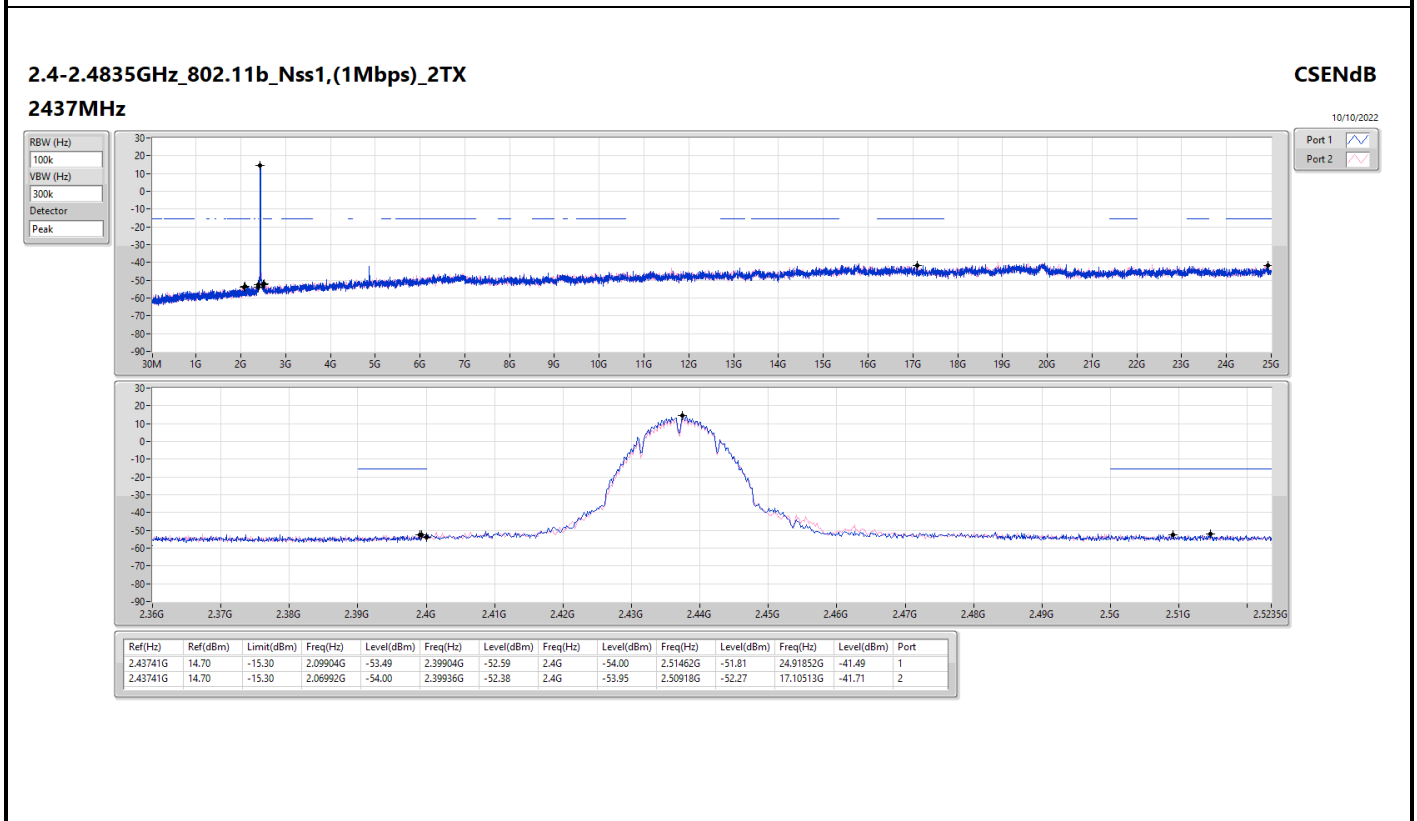
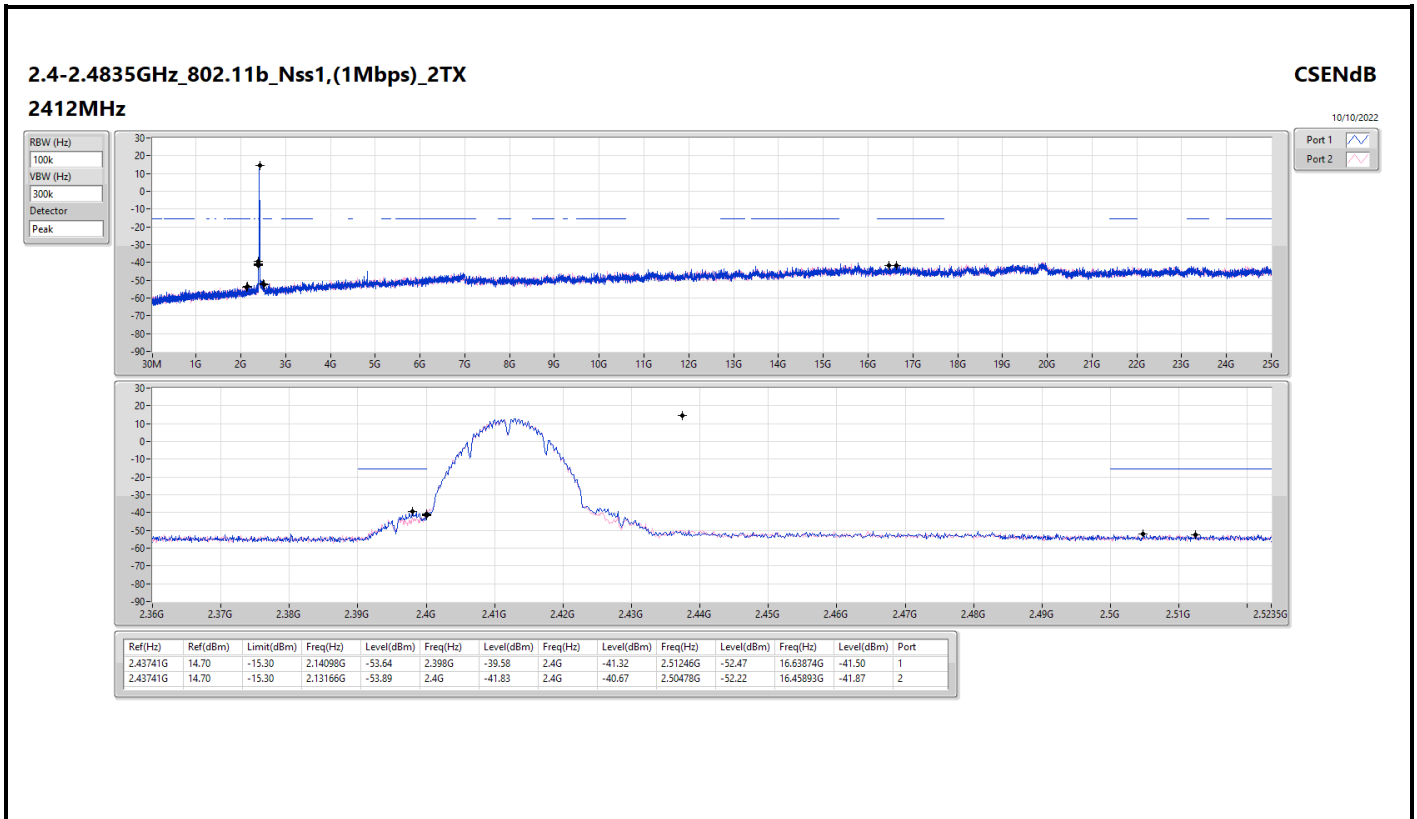
Summary

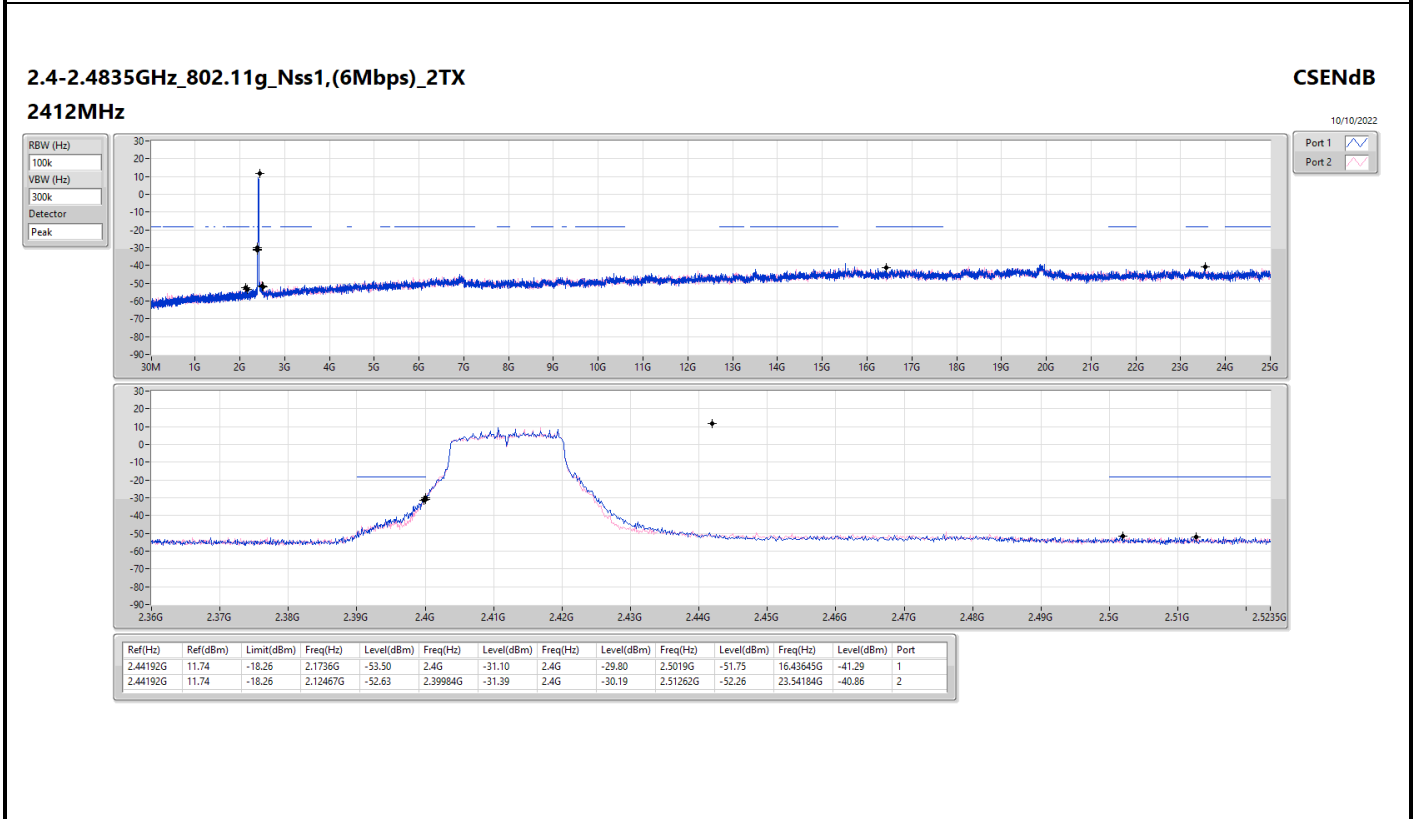
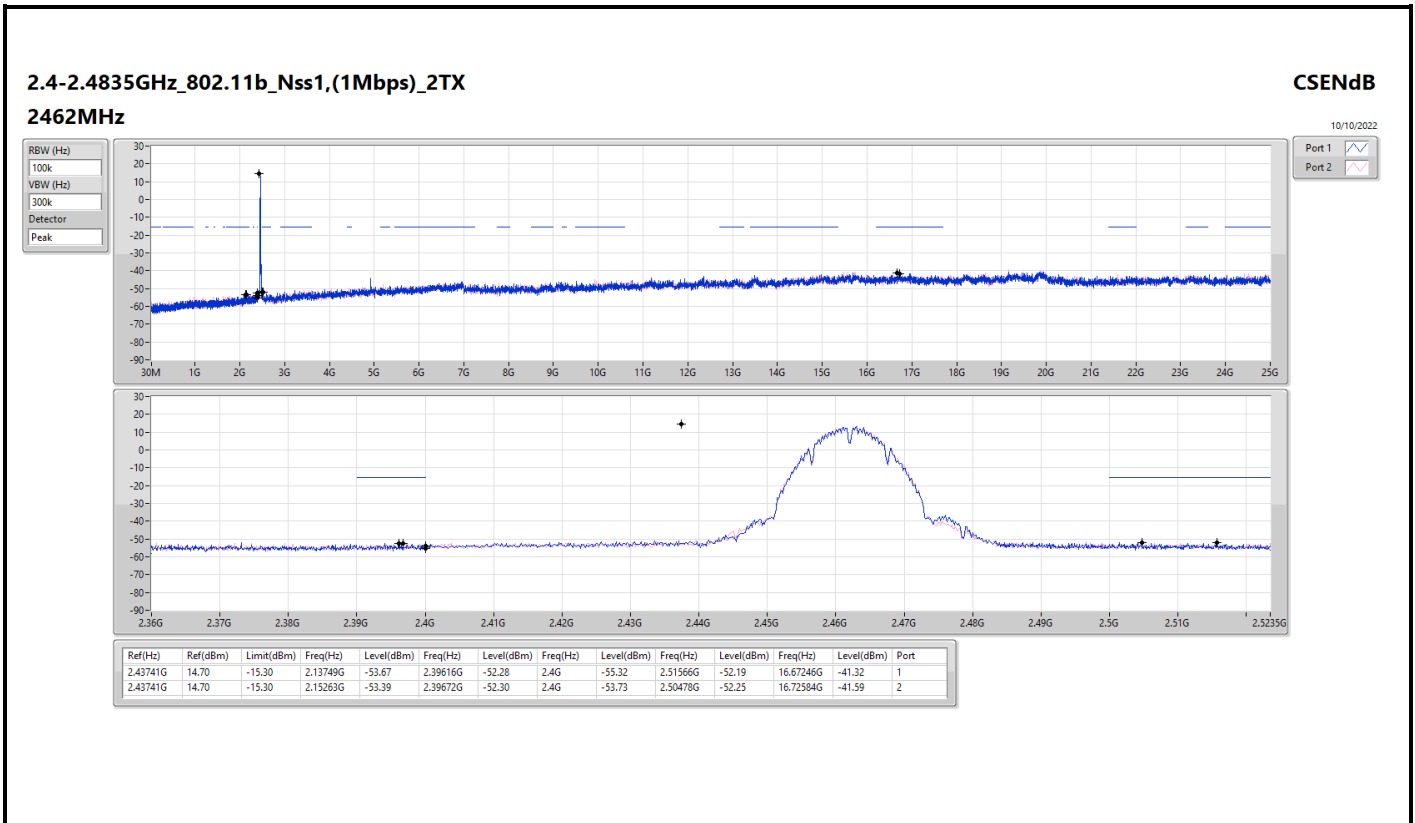
Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.43741G	14.70	-15.30	2.14098G	-53.64	2.398G	-39.58	2.4G	-41.32	2.51246G	-52.47	16.63874G	-41.50	1
802.11g_Nss1,(6Mbps)_2TX	Pass	2.44192G	11.74	-18.26	2.1736G	-53.50	2.4G	-31.10	2.4G	-29.80	2.5019G	-51.75	16.43645G	-41.29	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.43574G	12.13	-17.87	2.16661G	-52.68	2.39976G	-28.68	2.4G	-26.51	2.51494G	-52.52	16.95341G	-41.01	1
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.44208G	5.52	-24.48	2.15398G	-53.29	2.39984G	-33.65	2.4G	-31.26	2.5595G	-52.24	24.29045G	-41.70	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.44208G	11.58	-18.42	1.97905G	-53.86	2.39984G	-28.36	2.4G	-26.87	2.51246G	-52.00	16.93375G	-41.61	1
VHT40_Nss1,(MCS0)_2TX	Pass	2.43707G	4.80	-25.20	2.30855G	-53.48	2.39984G	-33.96	2.4G	-30.48	2.52126G	-51.78	15.06344G	-41.69	2
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.43824G	12.03	-17.97	2.30175G	-54.36	2.39984G	-28.66	2.4G	-28.20	2.5115G	-52.32	24.9129G	-41.60	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.44208G	4.98	-25.02	2.30626G	-53.70	2.39984G	-32.94	2.4G	-31.73	2.53406G	-51.85	16.75739G	-41.67	2

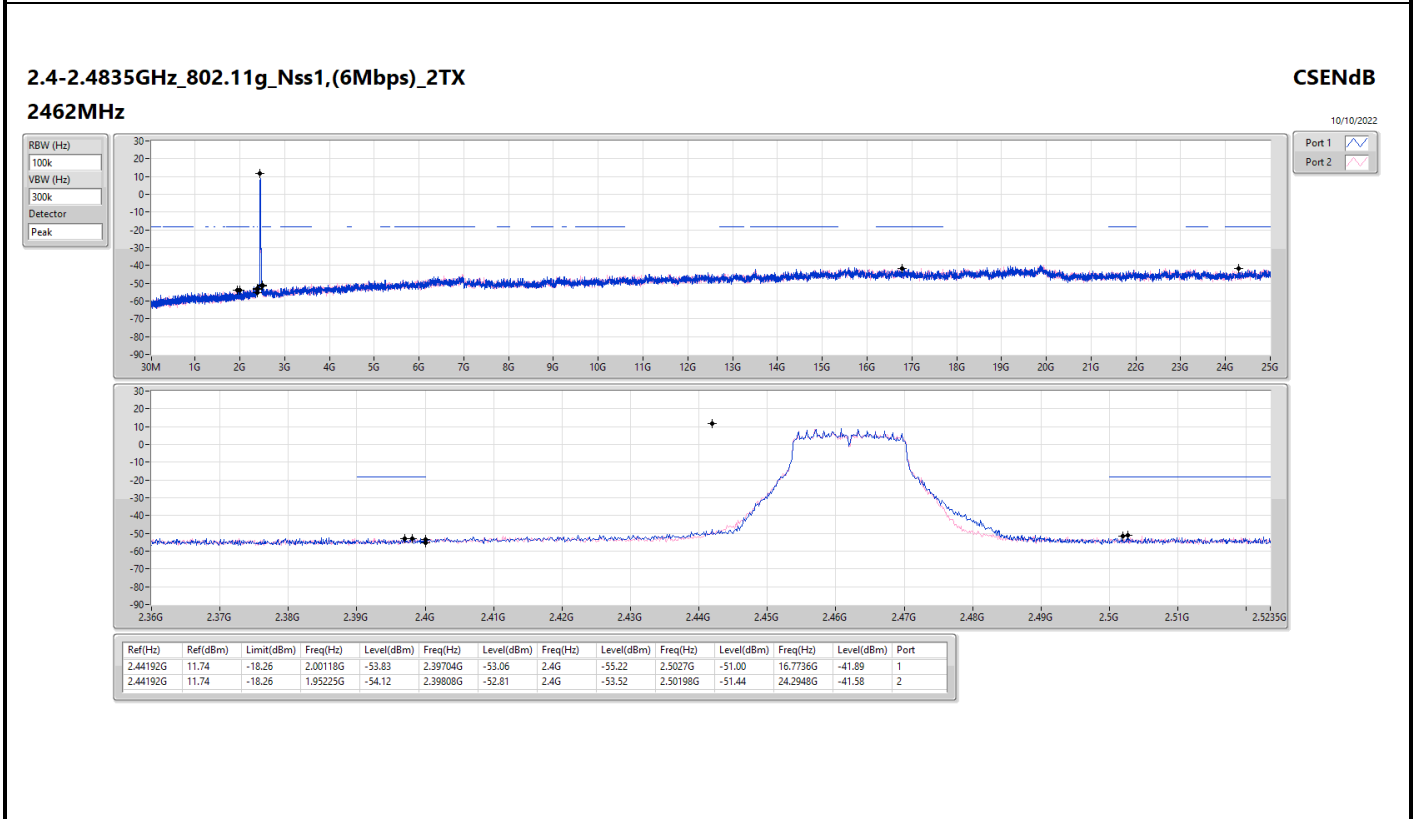
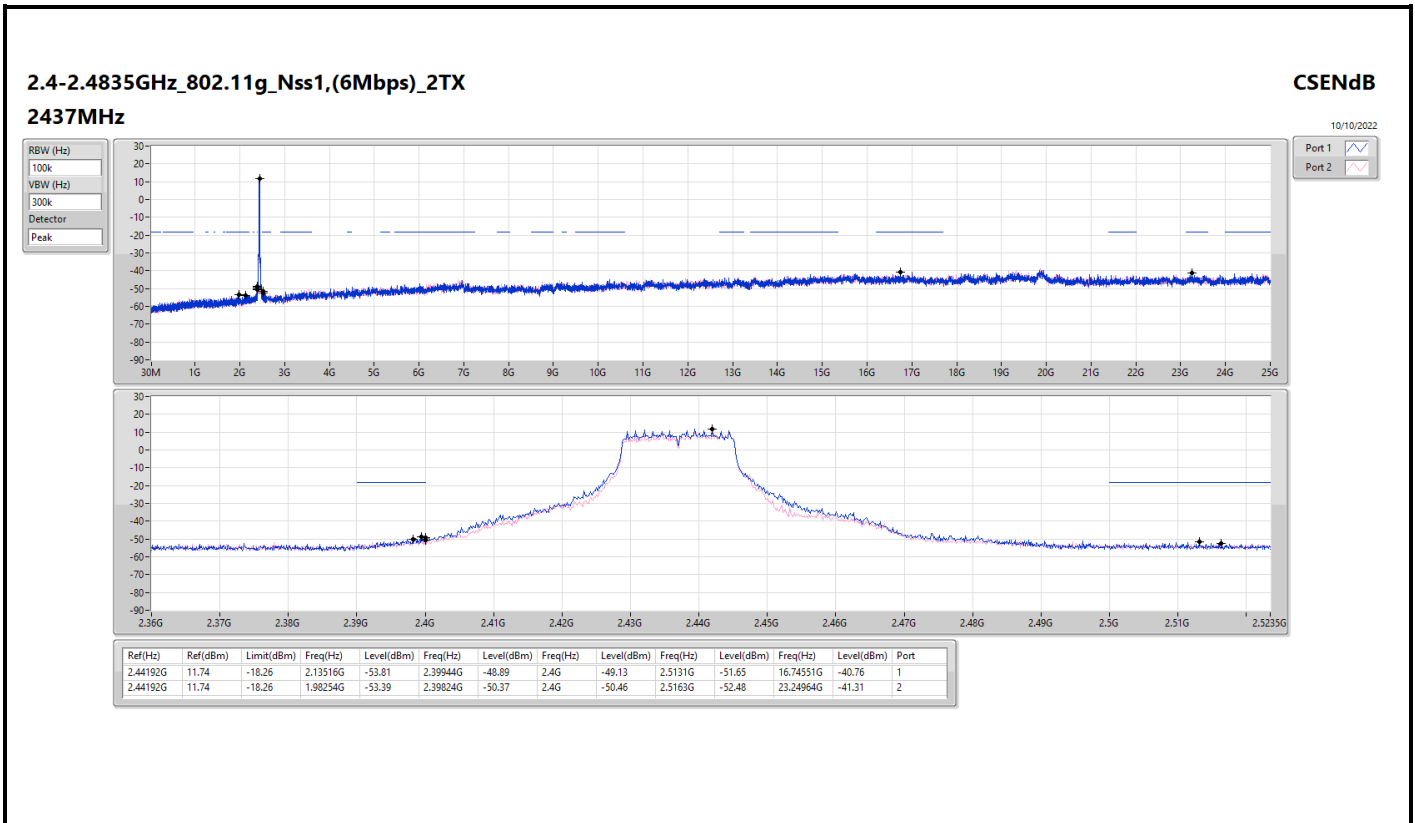


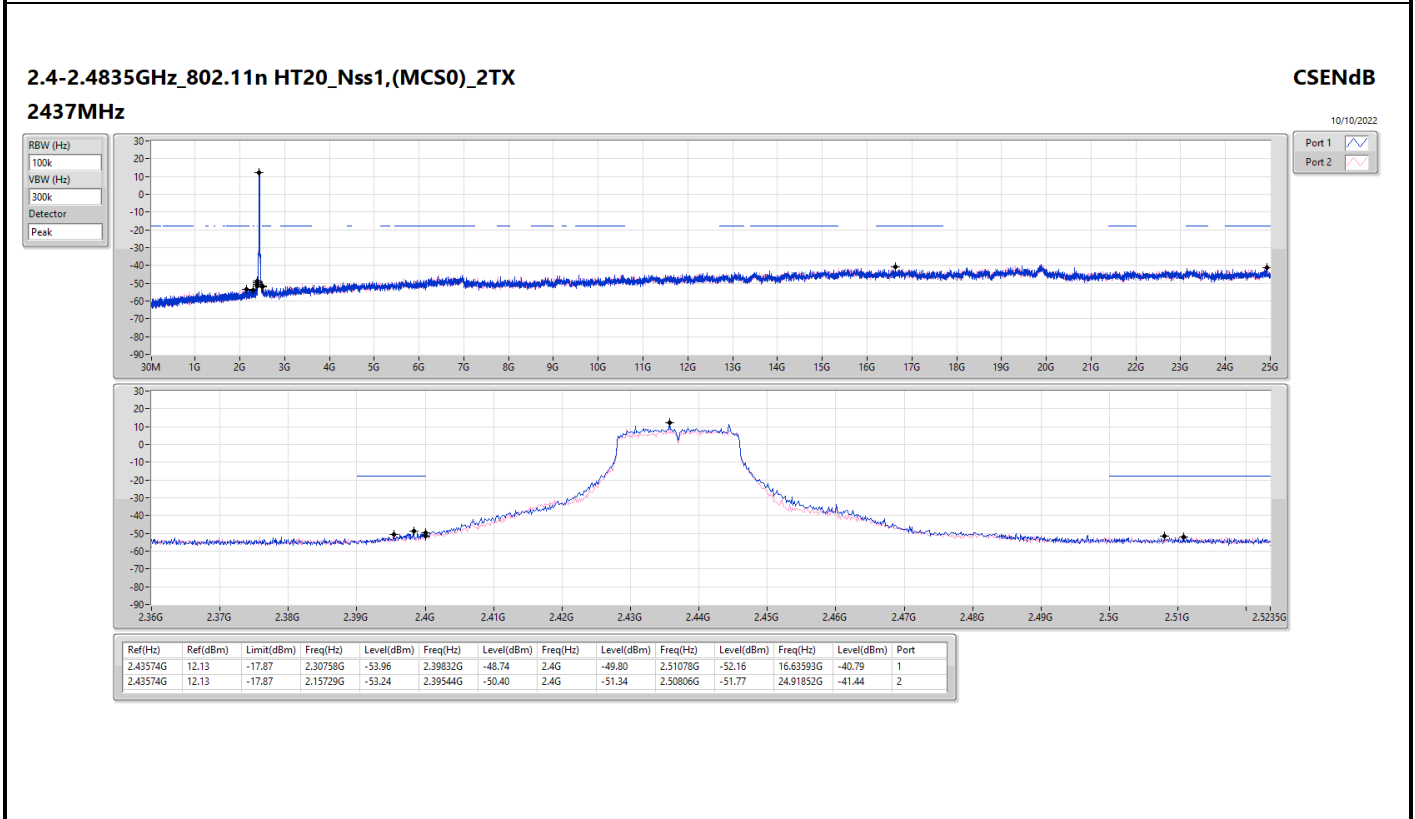
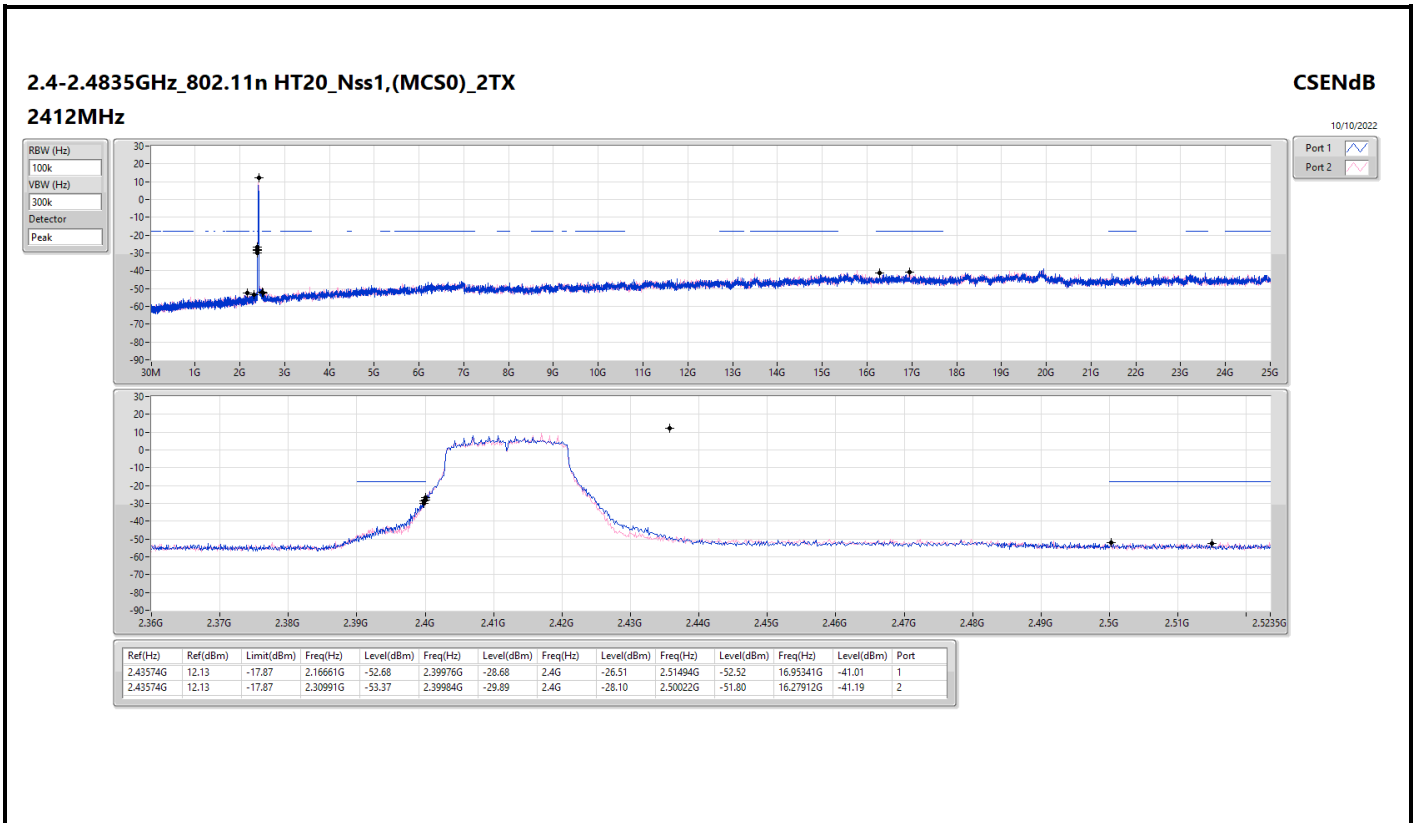
Result

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	2.43741G	14.70	-15.30	2.14098G	-53.64	2.398G	-39.58	2.4G	-41.32	2.51246G	-52.47	16.63874G	-41.50	1
2412MHz	Pass	2.43741G	14.70	-15.30	2.13166G	-53.89	2.4G	-41.83	2.4G	-40.67	2.50478G	-52.22	16.45893G	-41.87	2
2437MHz	Pass	2.43741G	14.70	-15.30	2.09904G	-53.49	2.39904G	-52.59	2.4G	-54.00	2.51462G	-51.81	24.91852G	-41.49	1
2437MHz	Pass	2.43741G	14.70	-15.30	2.06992G	-54.00	2.39936G	-52.38	2.4G	-53.95	2.50918G	-52.27	17.10513G	-41.71	2
2462MHz	Pass	2.43741G	14.70	-15.30	2.13749G	-53.67	2.39616G	-52.28	2.4G	-55.32	2.51566G	-52.19	16.67246G	-41.32	1
2462MHz	Pass	2.43741G	14.70	-15.30	2.15263G	-53.39	2.39672G	-52.30	2.4G	-53.73	2.50478G	-52.25	16.72584G	-41.59	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44192G	11.74	-18.26	2.1736G	-53.50	2.4G	-31.10	2.4G	-29.80	2.5019G	-51.75	16.43645G	-41.29	1
2412MHz	Pass	2.44192G	11.74	-18.26	2.12467G	-52.63	2.39984G	-31.39	2.4G	-30.19	2.51262G	-52.26	23.54184G	-40.86	2
2437MHz	Pass	2.44192G	11.74	-18.26	2.13516G	-53.81	2.39944G	-48.89	2.4G	-49.13	2.5131G	-51.65	16.74551G	-40.76	1
2437MHz	Pass	2.44192G	11.74	-18.26	1.98254G	-53.39	2.39824G	-50.37	2.4G	-50.46	2.5163G	-52.48	23.24964G	-41.31	2
2462MHz	Pass	2.44192G	11.74	-18.26	2.00118G	-53.83	2.39704G	-53.06	2.4G	-55.22	2.5027G	-51.00	16.7736G	-41.89	1
2462MHz	Pass	2.44192G	11.74	-18.26	1.95225G	-54.12	2.39808G	-52.81	2.4G	-53.52	2.50198G	-51.44	24.2948G	-41.58	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43574G	12.13	-17.87	2.16661G	-52.68	2.39976G	-28.68	2.4G	-26.51	2.51494G	-52.52	16.95341G	-41.01	1
2412MHz	Pass	2.43574G	12.13	-17.87	2.30991G	-53.37	2.39984G	-29.89	2.4G	-28.10	2.50022G	-51.80	16.27912G	-41.19	2
2437MHz	Pass	2.43574G	12.13	-17.87	2.30758G	-53.96	2.39832G	-48.74	2.4G	-49.80	2.51078G	-52.16	16.63593G	-40.79	1
2437MHz	Pass	2.43574G	12.13	-17.87	2.15729G	-53.24	2.39544G	-50.40	2.4G	-51.34	2.50806G	-51.77	24.91852G	-41.44	2
2462MHz	Pass	2.43574G	12.13	-17.87	2.1072G	-53.13	2.39904G	-52.76	2.4G	-54.60	2.52046G	-51.20	16.73427G	-41.50	1
2462MHz	Pass	2.43574G	12.13	-17.87	1.80896G	-54.09	2.39552G	-51.40	2.4G	-53.97	2.50054G	-52.38	16.58817G	-41.23	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44208G	5.52	-24.48	2.15398G	-53.29	2.39984G	-33.65	2.4G	-31.26	2.5595G	-52.24	24.29045G	-41.70	1
2422MHz	Pass	2.44208G	5.52	-24.48	1.89979G	-53.45	2.39968G	-32.84	2.4G	-32.45	2.50734G	-52.06	16.72374G	-41.32	2
2437MHz	Pass	2.44208G	5.52	-24.48	2.02917G	-54.19	2.39968G	-46.41	2.4G	-46.18	2.50766G	-52.00	16.58631G	-41.01	1
2437MHz	Pass	2.44208G	5.52	-24.48	2.12993G	-53.34	2.39984G	-42.81	2.4G	-42.87	2.50286G	-52.18	23.14058G	-41.96	2
2452MHz	Pass	2.44208G	5.52	-24.48	2.15169G	-54.22	2.39808G	-52.32	2.4G	-54.12	2.50686G	-52.28	17.00419G	-40.47	1
2452MHz	Pass	2.44208G	5.52	-24.48	2.16543G	-53.83	2.39952G	-50.78	2.4G	-53.55	2.5067G	-52.17	24.61297G	-41.06	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44208G	11.58	-18.42	1.97905G	-53.86	2.39984G	-28.36	2.4G	-26.87	2.51246G	-52.00	16.93375G	-41.61	1
2412MHz	Pass	2.44208G	11.58	-18.42	1.98254G	-53.29	2.39992G	-28.39	2.4G	-27.33	2.51638G	-51.82	16.75393G	-40.98	2
2437MHz	Pass	2.44208G	11.58	-18.42	2.30991G	-54.06	2.3992G	-49.46	2.4G	-50.82	2.52094G	-51.50	13.5117G	-41.28	1
2437MHz	Pass	2.44208G	11.58	-18.42	2.18292G	-53.57	2.39752G	-50.87	2.4G	-50.73	2.51366G	-51.98	16.9787G	-41.84	2
2462MHz	Pass	2.44208G	11.58	-18.42	2.14448G	-53.16	2.39816G	-51.60	2.4G	-53.67	2.5127G	-51.84	16.62469G	-41.37	1
2462MHz	Pass	2.44208G	11.58	-18.42	1.63887G	-54.20	2.39968G	-52.15	2.4G	-51.77	2.51326G	-51.05	16.84384G	-41.39	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.43707G	4.80	-25.20	2.05551G	-54.57	2.4G	-33.64	2.4G	-32.25	2.52398G	-52.24	16.57229G	-40.16	1
2422MHz	Pass	2.43707G	4.80	-25.20	2.30855G	-53.48	2.39984G	-33.96	2.4G	-30.48	2.52126G	-51.78	15.06344G	-41.69	2
2437MHz	Pass	2.43707G	4.80	-25.20	2.30512G	-53.24	2.39856G	-43.89	2.4G	-45.08	2.51278G	-51.19	16.75178G	-41.50	1
2437MHz	Pass	2.43707G	4.80	-25.20	2.30283G	-54.25	2.39952G	-43.48	2.4G	-43.93	2.54446G	-51.65	16.42645G	-41.13	2
2452MHz	Pass	2.43707G	4.80	-25.20	2.08642G	-54.23	2.39568G	-52.02	2.4G	-54.58	2.52622G	-51.92	16.91445G	-41.30	1
2452MHz	Pass	2.43707G	4.80	-25.20	2.15283G	-53.70	2.39936G	-52.62	2.4G	-54.13	2.50126G	-51.72	16.65362G	-41.34	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.43824G	12.03	-17.97	2.30175G	-54.36	2.39984G	-28.66	2.4G	-28.20	2.5115G	-52.32	24.9129G	-41.60	1
2412MHz	Pass	2.43824G	12.03	-17.97	2.30408G	-53.49	2.4G	-28.26	2.4G	-28.59	2.50934G	-51.59	24.88481G	-41.79	2
2437MHz	Pass	2.43824G	12.03	-17.97	1.98021G	-53.94	2.39992G	-48.02	2.4G	-51.05	2.50254G	-51.77	16.86632G	-39.77	1
2437MHz	Pass	2.43824G	12.03	-17.97	2.13166G	-53.54	2.39664G	-49.68	2.4G	-51.46	2.5199G	-51.09	16.40274G	-41.73	2
2462MHz	Pass	2.43824G	12.03	-17.97	2.09438G	-54.38	2.39888G	-51.87	2.4G	-55.16	2.5091G	-50.78	24.87638G	-41.55	1
2462MHz	Pass	2.43824G	12.03	-17.97	2.03963G	-52.98	2.39792G	-51.85	2.4G	-53.69	2.50078G	-51.58	23.23279G	-41.51	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.44208G	4.98	-25.02	2.30741G	-53.86	2.39984G	-33.03	2.4G	-32.62	2.53102G	-51.47	23.24434G	-40.87	1
2422MHz	Pass	2.44208G	4.98	-25.02	2.30626G	-53.70	2.39984G	-32.94	2.4G	-31.73	2.53406G	-51.85	16.75739G	-41.67	2
2437MHz	Pass	2.44208G	4.98	-25.02	2.15398G	-54.07	2.3992G	-45.35	2.4G	-48.32	2.51182G	-52.19	17.12479G	-41.46	1
2437MHz	Pass	2.44208G	4.98	-25.02	2.12077G	-54.04	2.39936G	-43.58	2.4G	-42.85	2.5139G	-52.34	16.9453G	-40.74	2
2452MHz	Pass	2.44208G	4.98	-25.02	1.98108G	-53.38	2.39968G	-52.96	2.4G	-53.69	2.5019G	-52.11	24.8794G	-40.44	1
2452MHz	Pass	2.44208G	4.98	-25.02	2.12306G	-52.68	2.39712G	-51.65	2.4G	-53.01	2.52094G	-52.33	16.40682G	-41.38	2

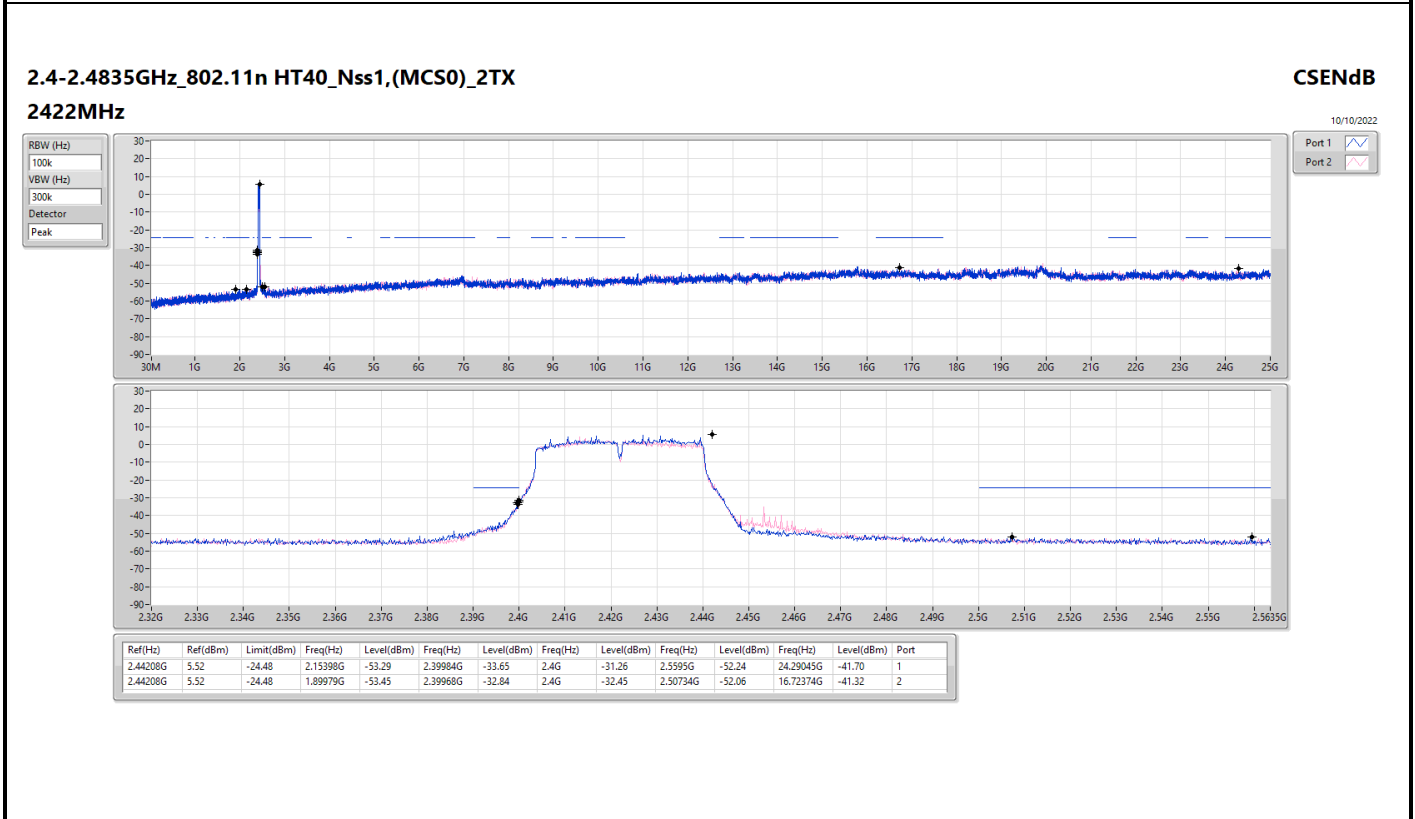
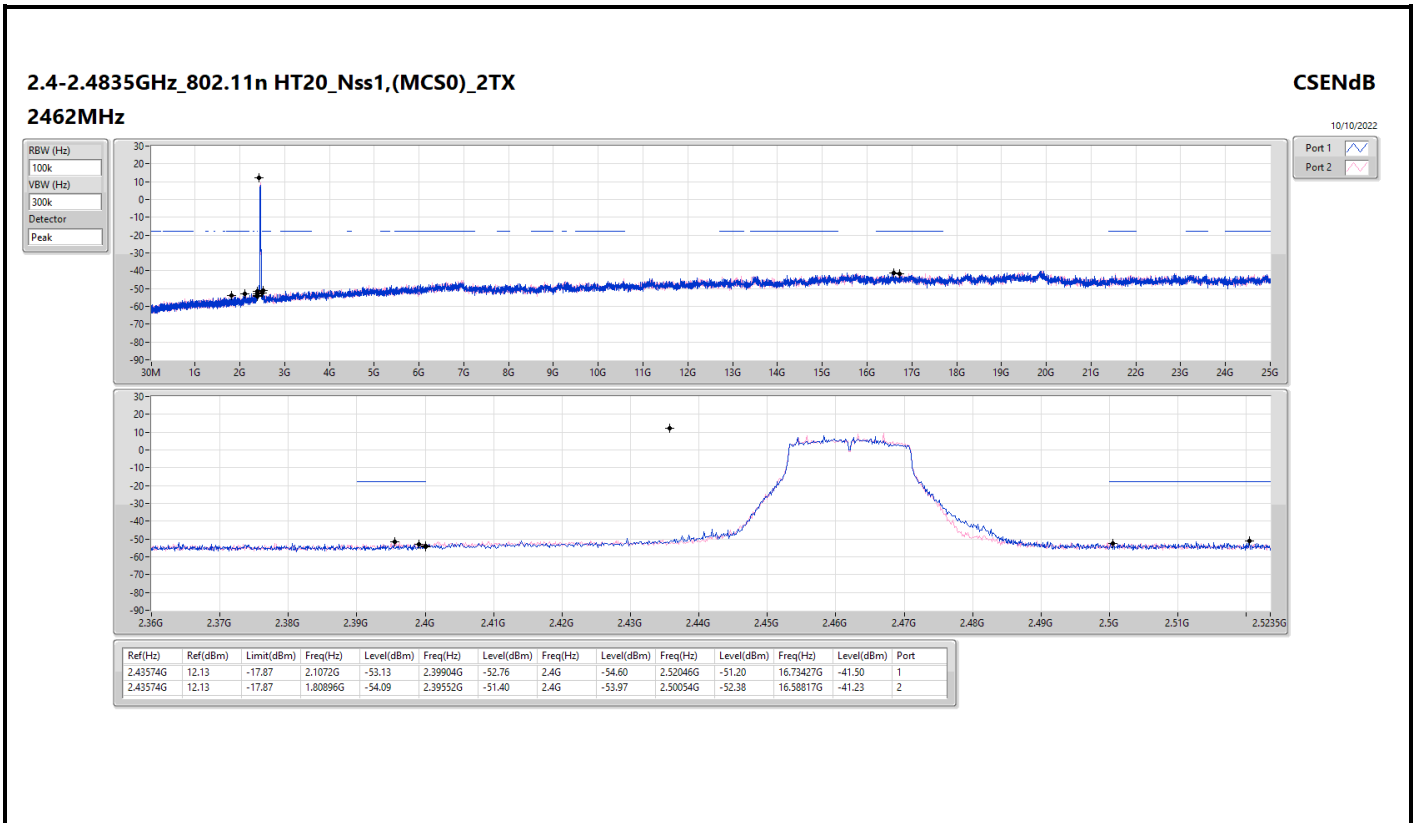


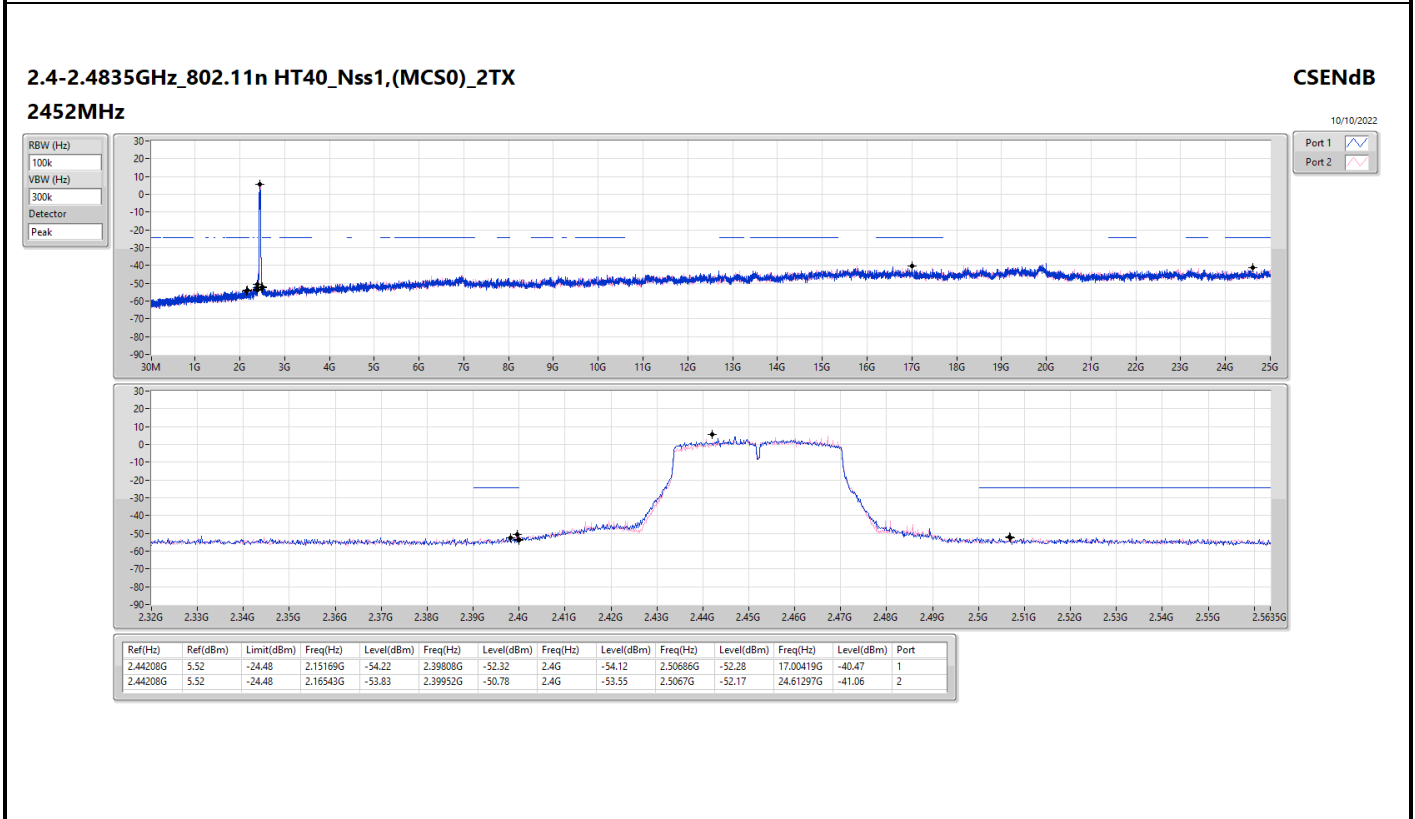
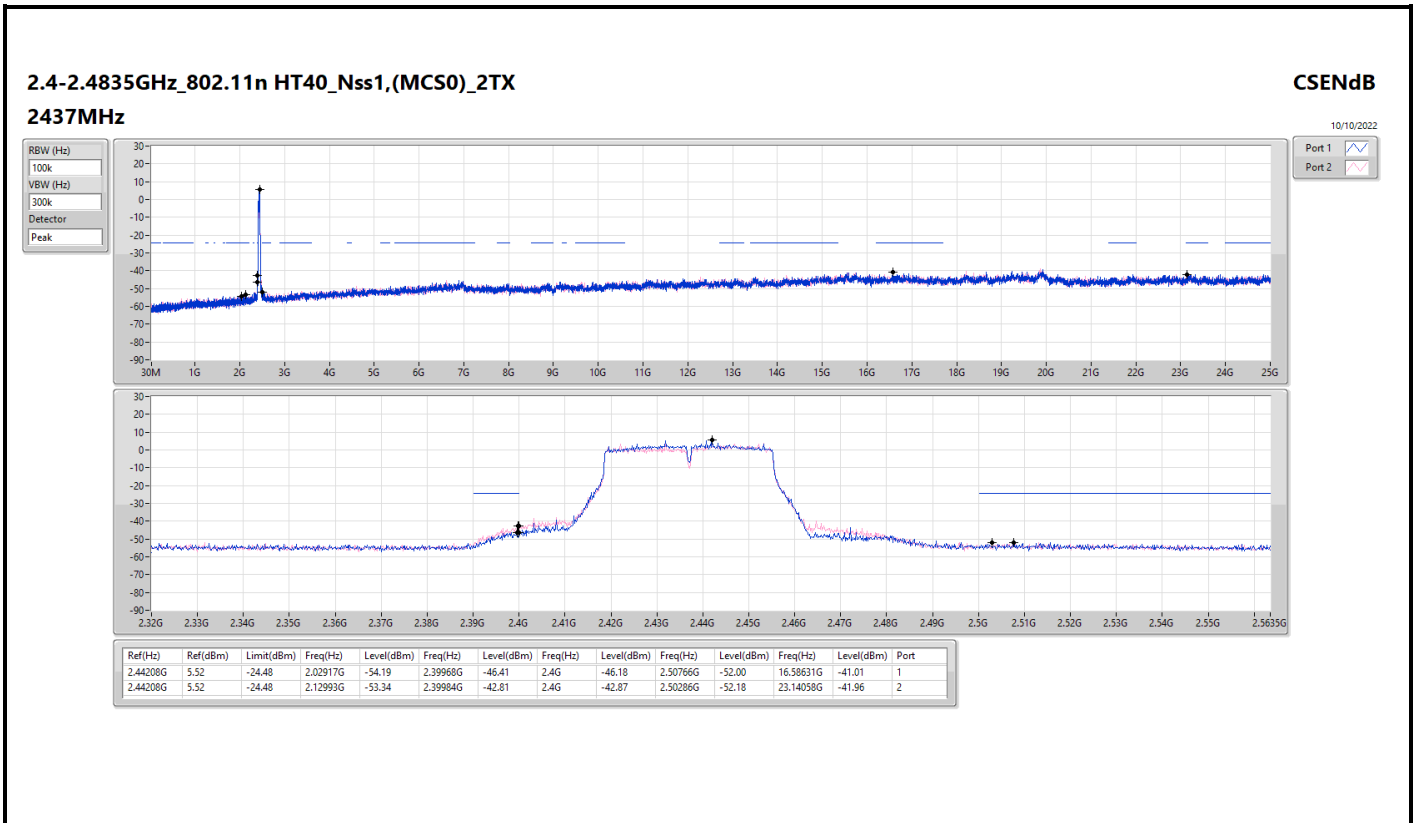


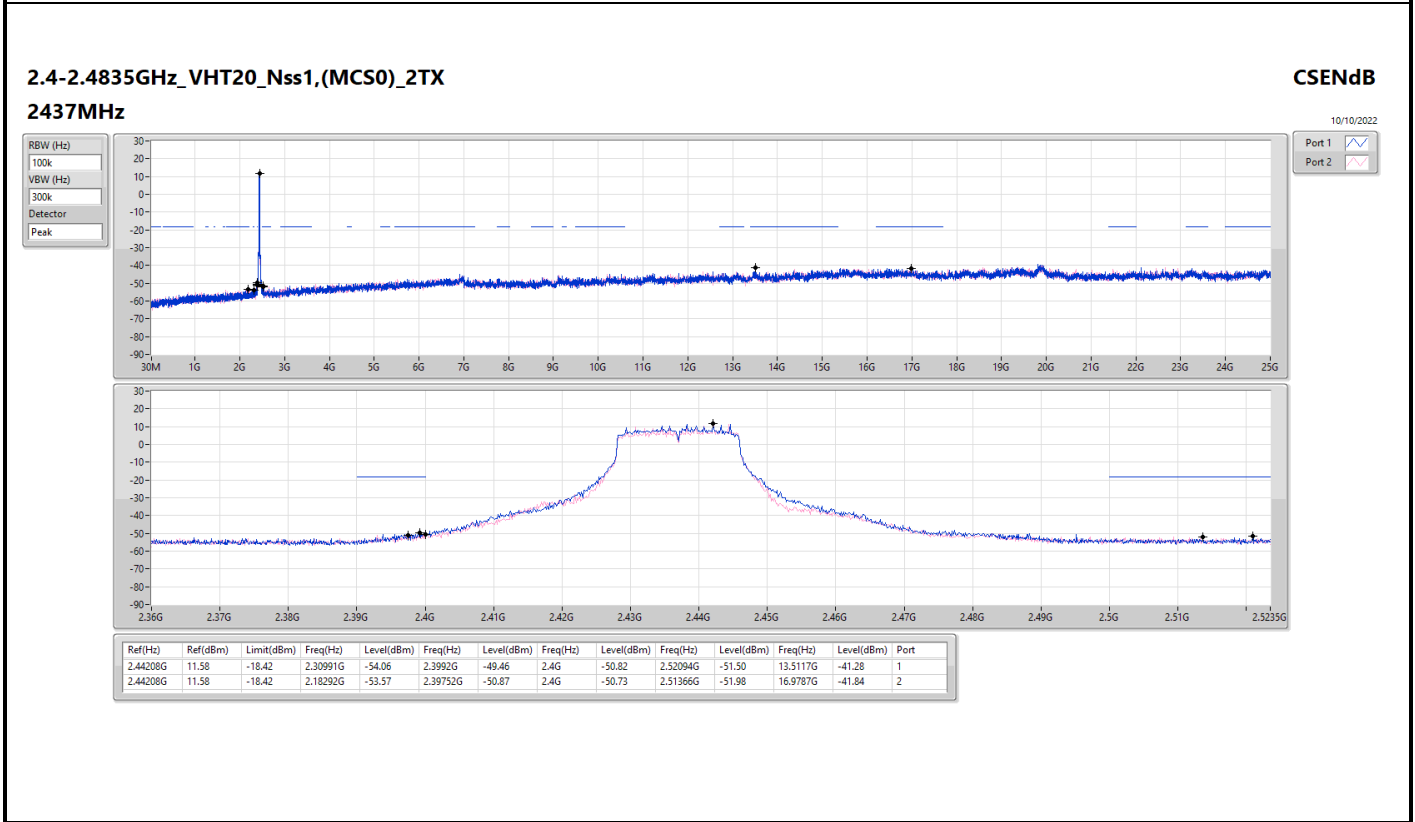
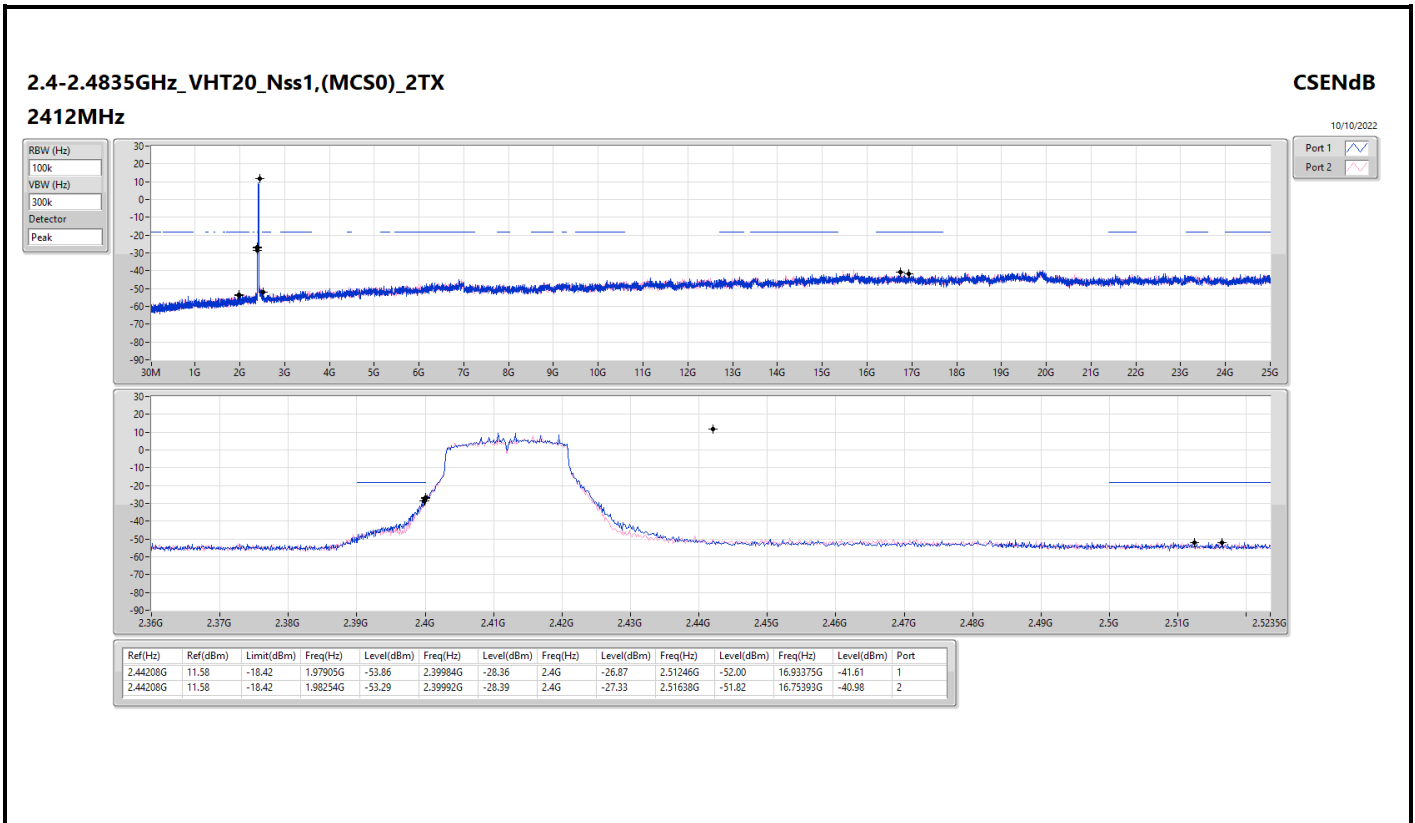


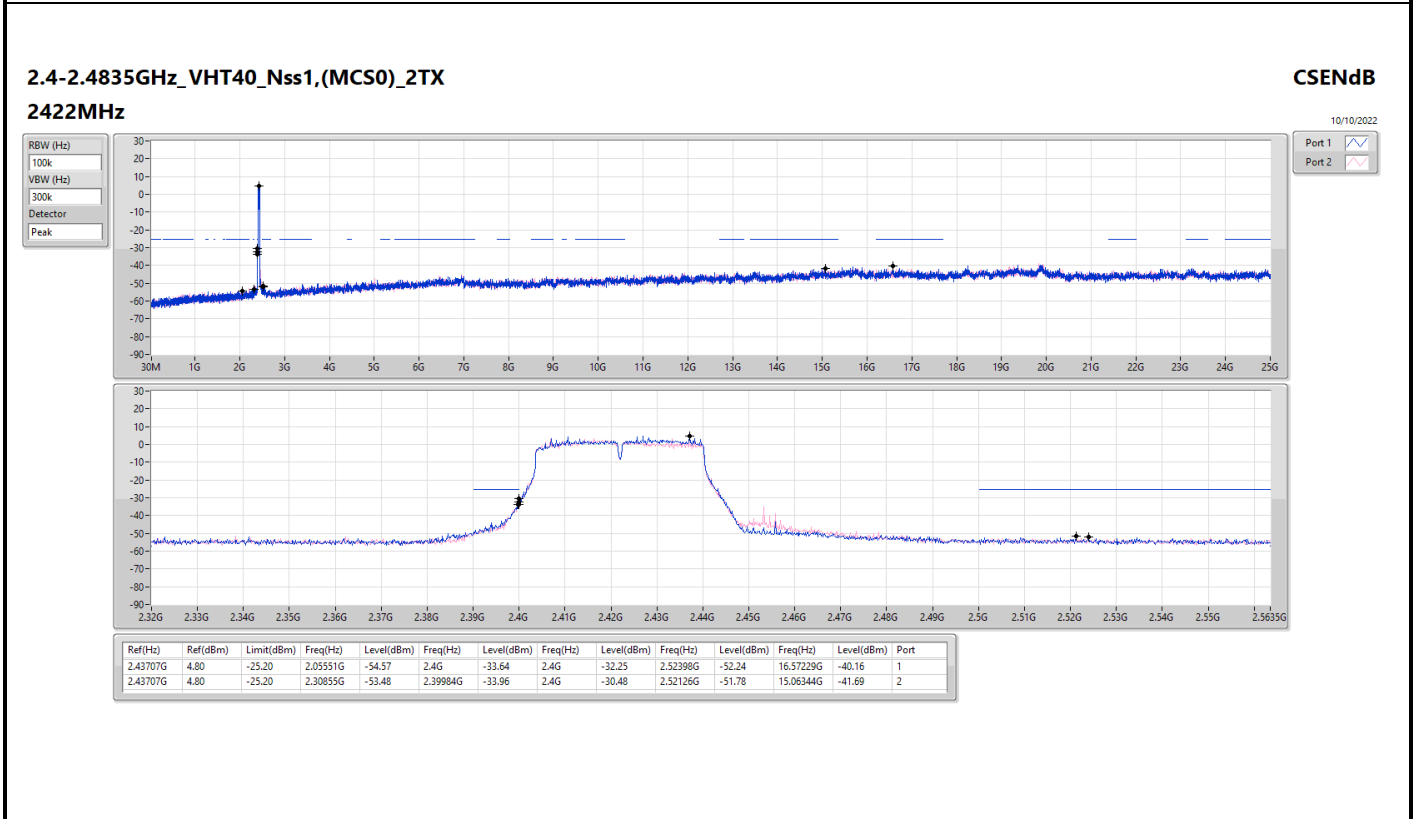
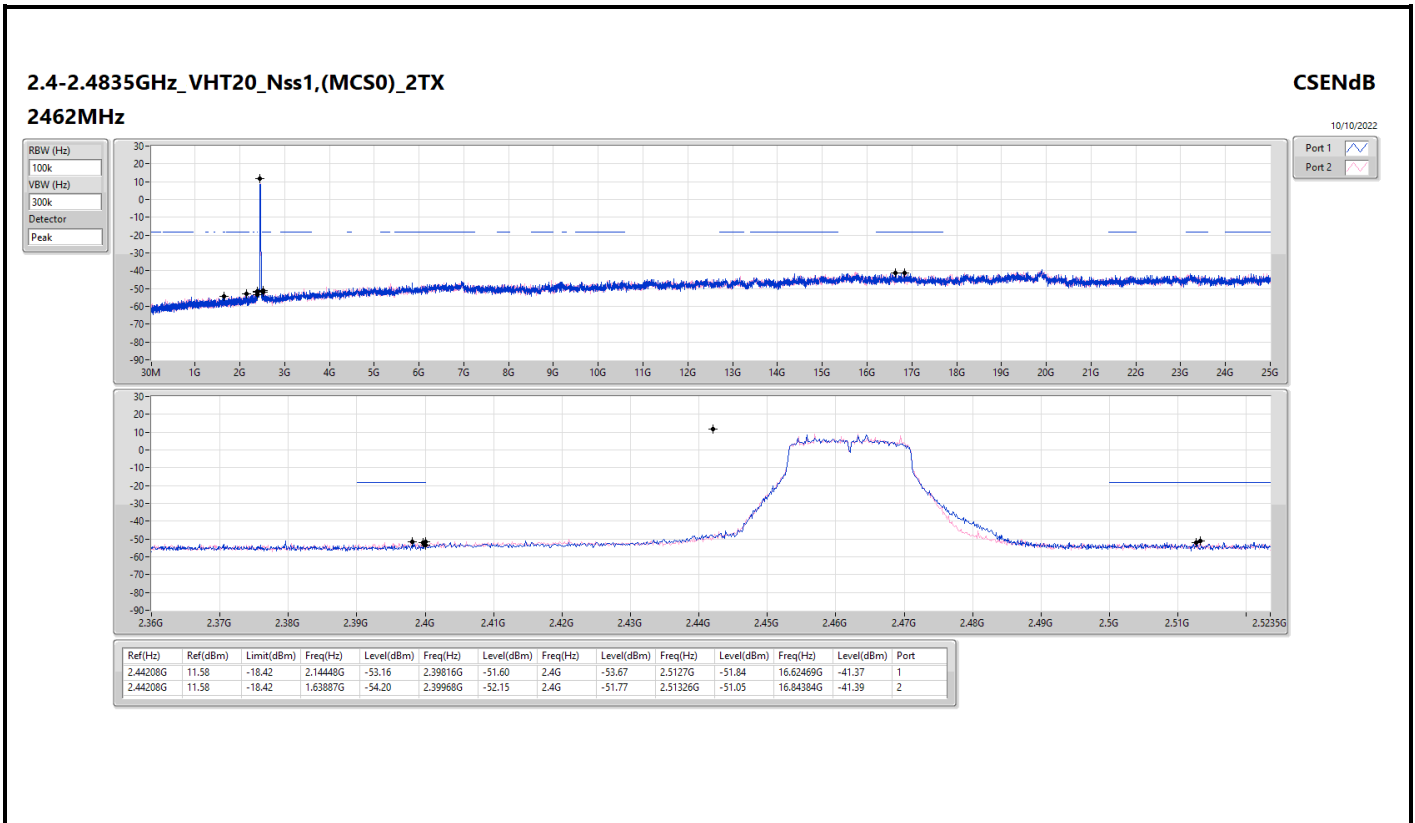


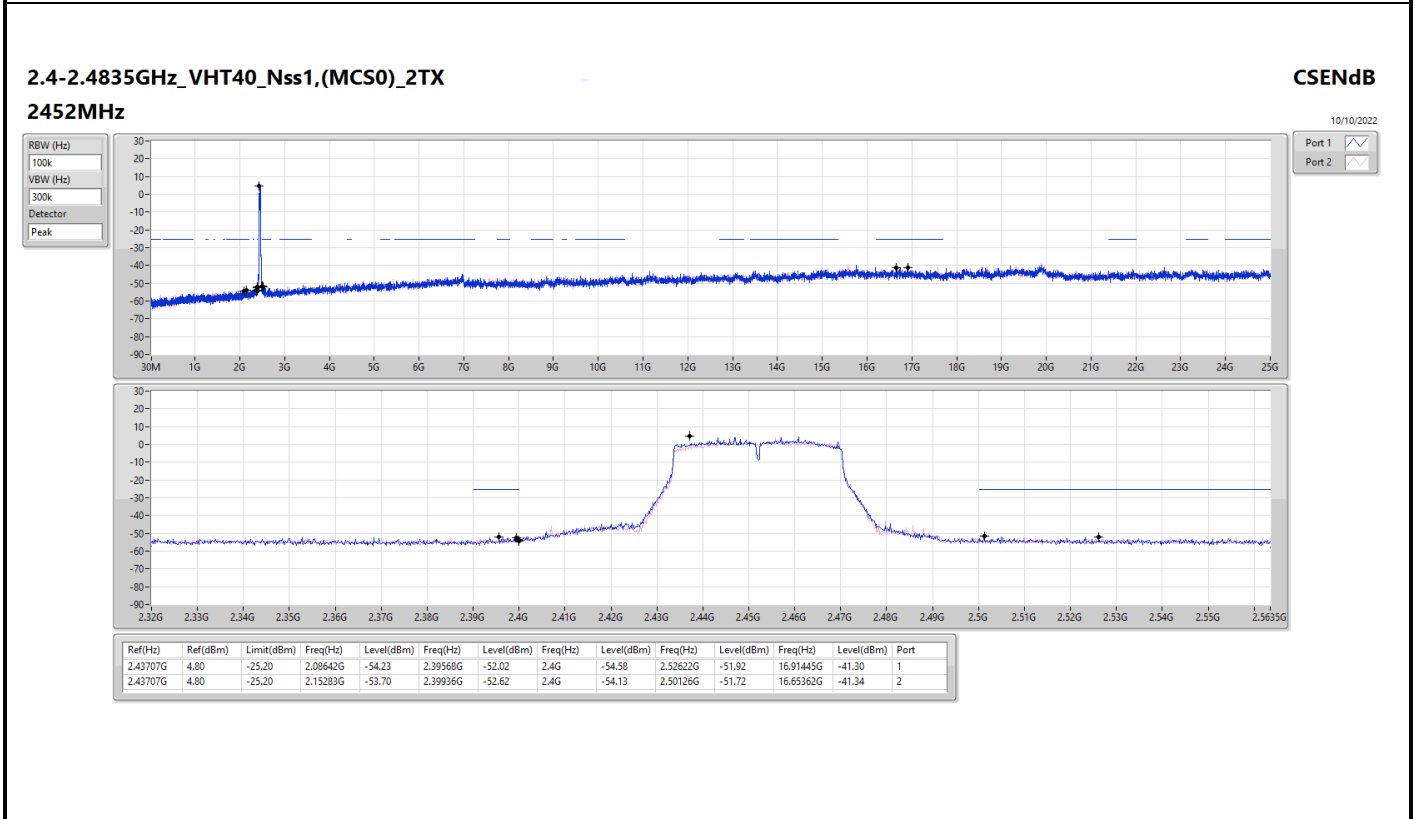
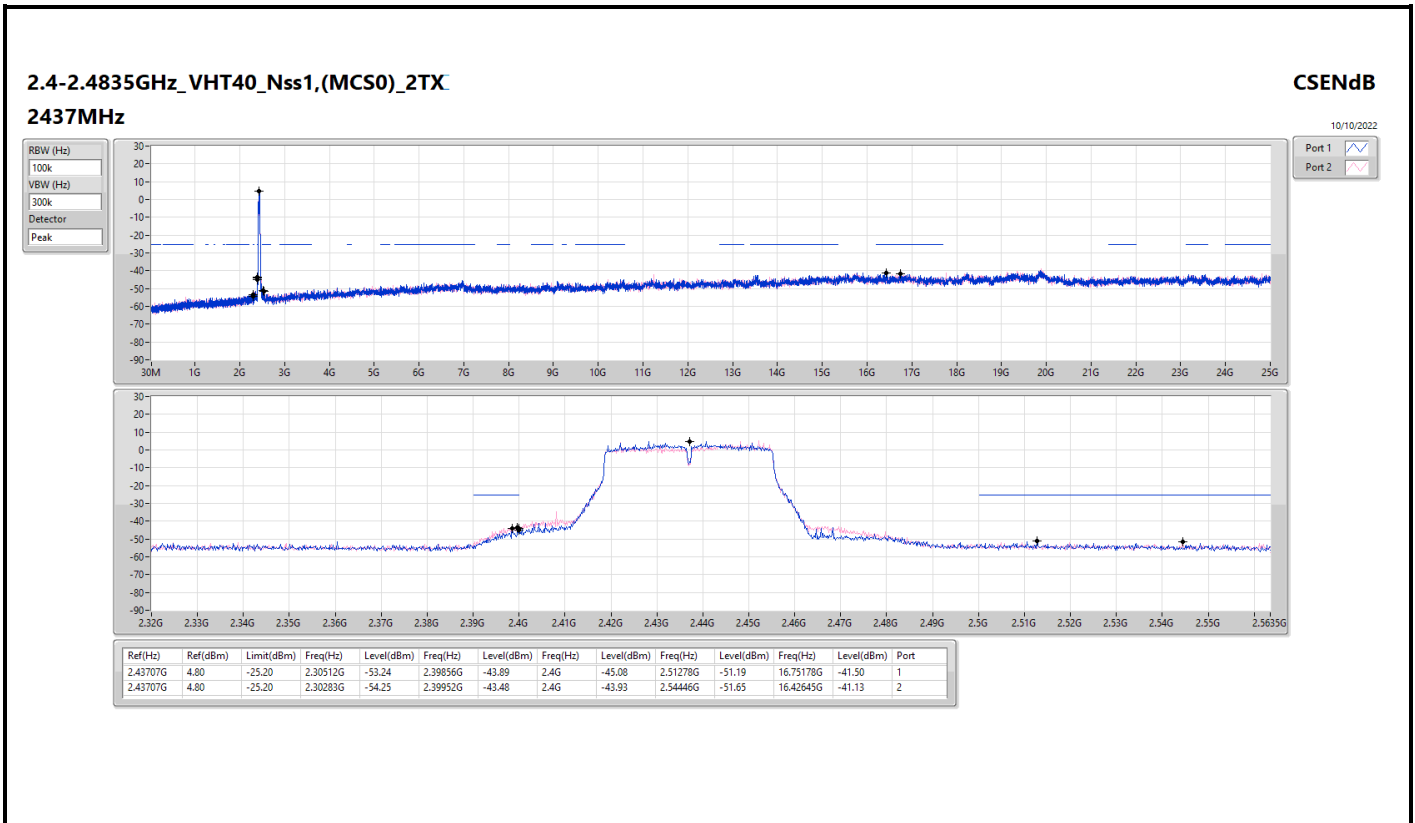


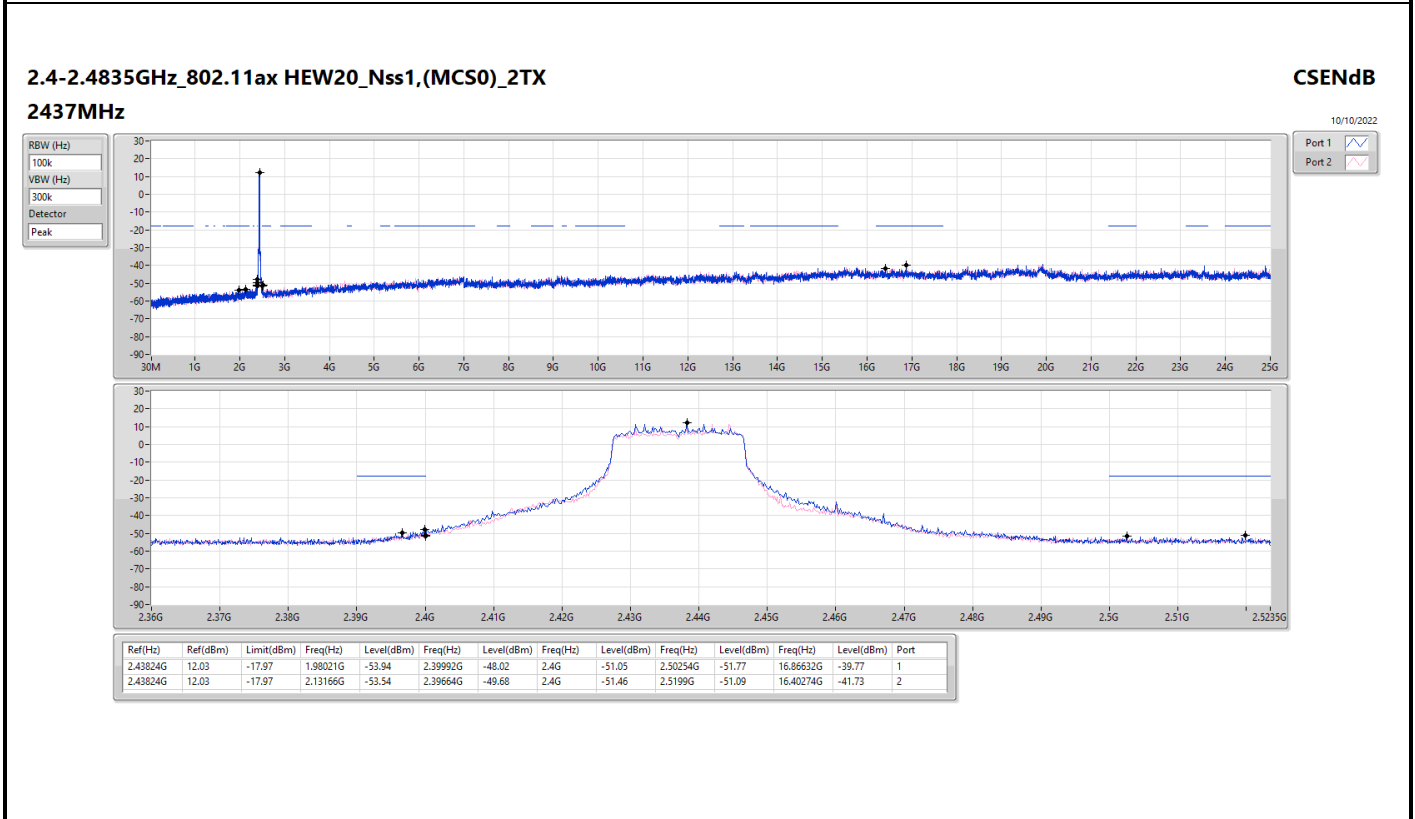
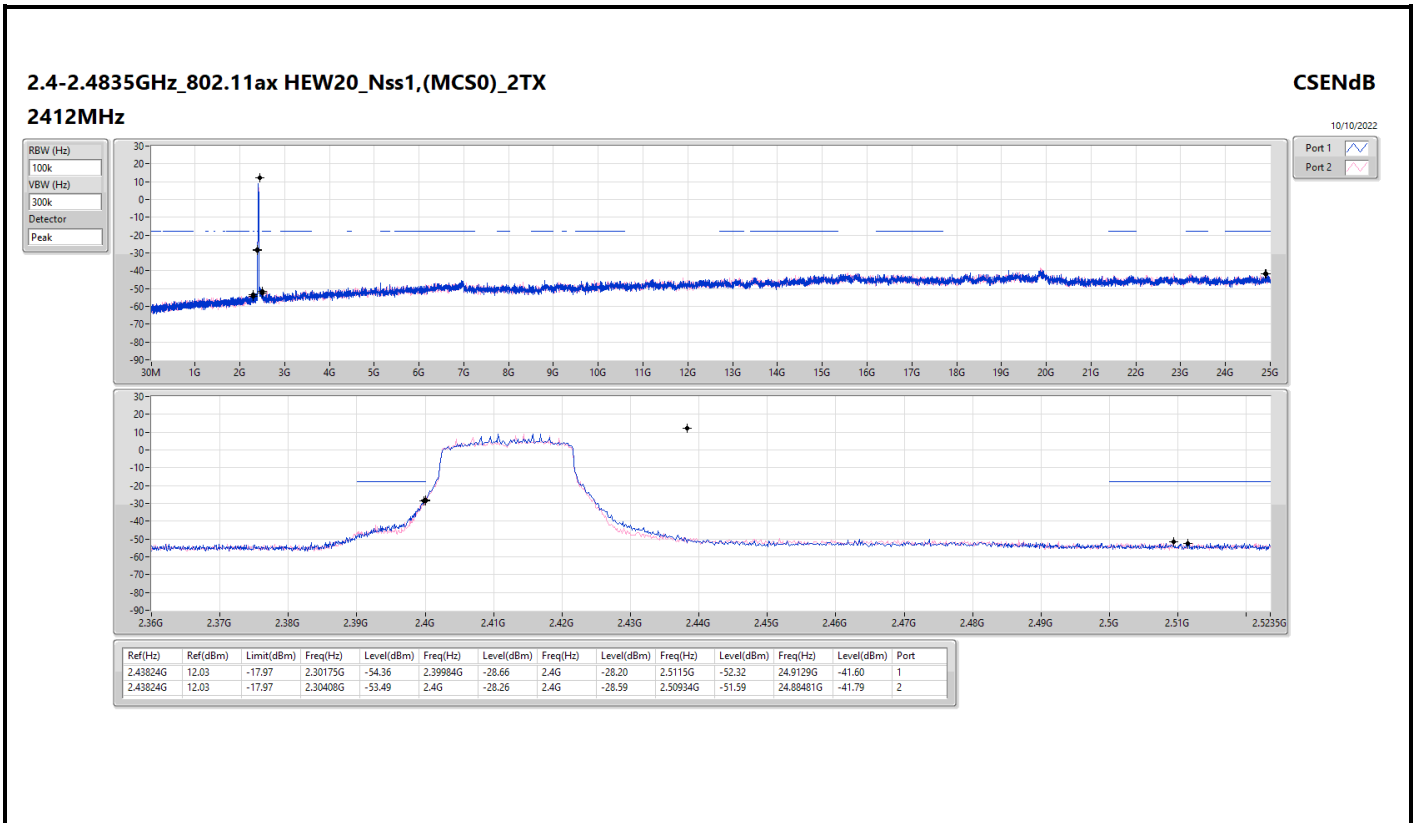


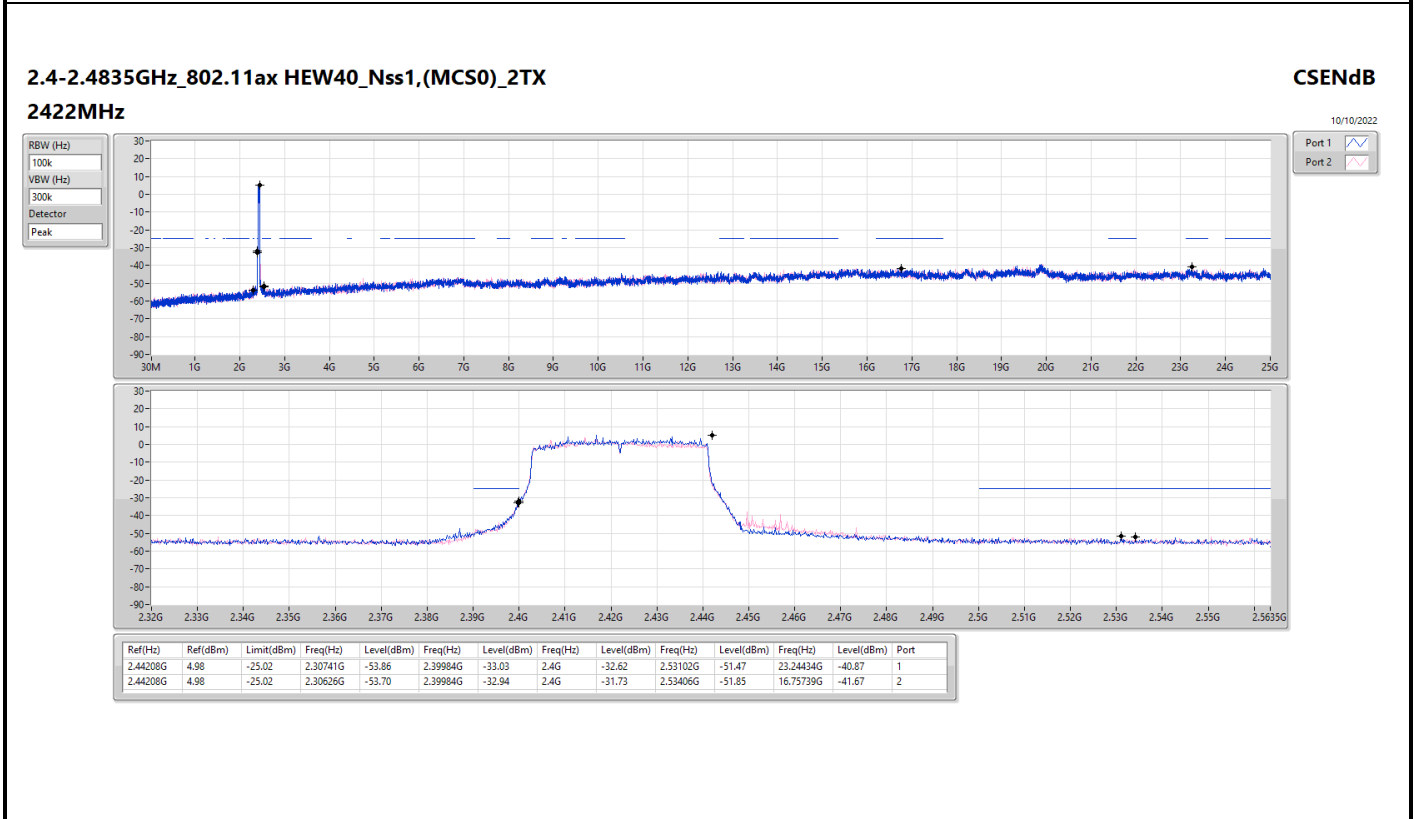
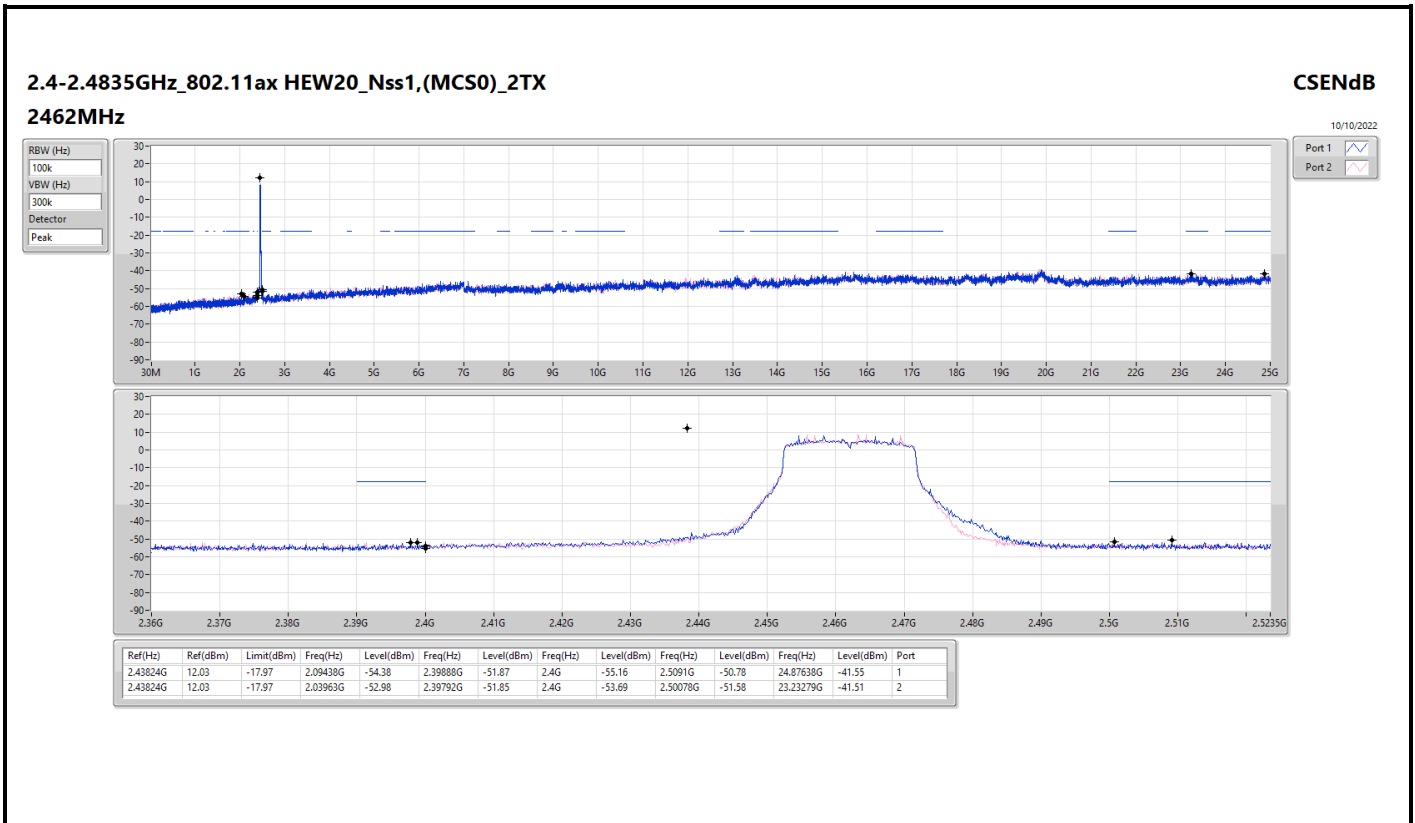


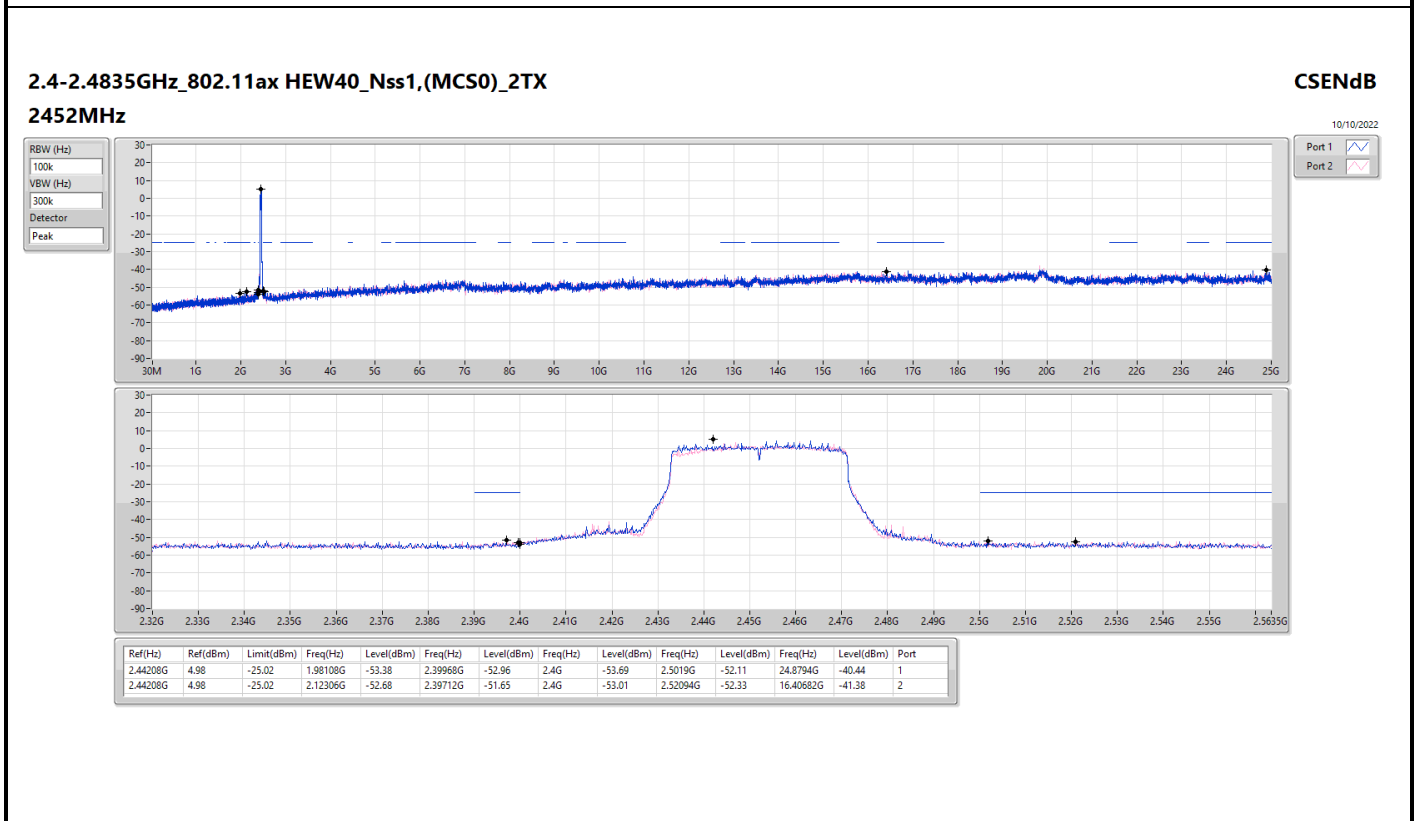
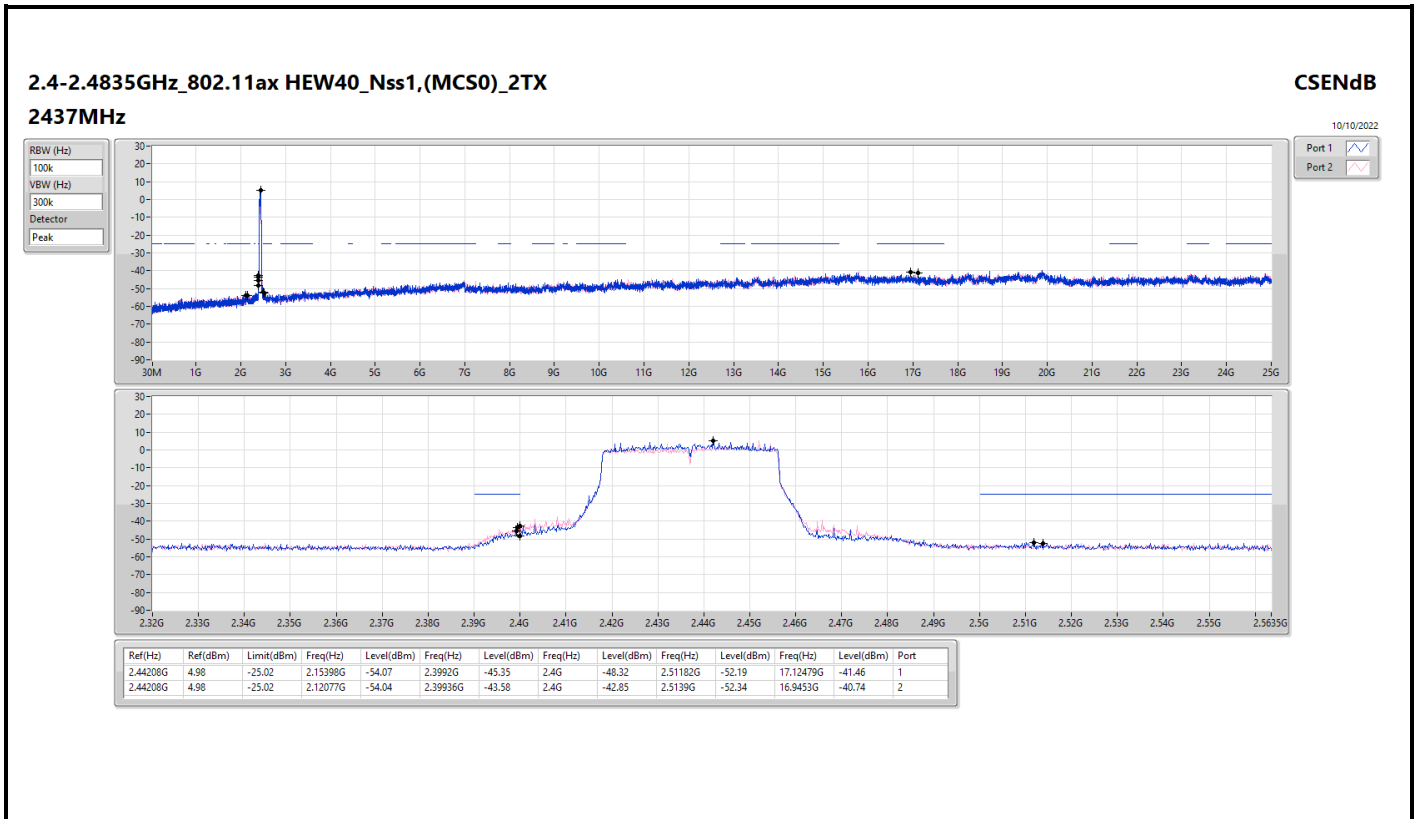
















Summary

Mode	Result	Ref (Hz)	Ref (dBm)	Limit (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Freq (Hz)	Level (dBm)	Port
2.4-2.4835GHz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
802.11b_Nss1,(1Mbps)_2TX	Pass	2.41403G	11.45	-18.55	2.30525G	-55.52	2.398G	-40.86	2.4G	-41.63	2.51838G	-53.57	17.61085G	-43.50	2
802.11g_Nss1,(6Mbps)_2TX	Pass	2.42956G	9.33	-20.67	2.13865G	-55.29	2.39968G	-30.06	2.4G	-28.94	2.51926G	-53.26	15.24801G	-42.13	1
802.11n HT20_Nss1,(MCS0)_2TX	Pass	2.44459G	11.30	-18.70	2.15613G	-54.47	2.39984G	-29.28	2.4G	-29.22	2.5151G	-53.17	21.887G	-41.89	2
802.11n HT40_Nss1,(MCS0)_2TX	Pass	2.4319G	4.08	-25.92	2.08757G	-55.66	2.39984G	-38.68	2.4G	-39.36	2.5147G	-53.36	24.11656G	-42.54	1
VHT20_Nss1,(MCS0)_2TX	Pass	2.42956G	10.50	-19.50	2.11768G	-53.57	2.39992G	-30.48	2.4G	-27.94	2.5087G	-53.82	15.0991G	-42.06	2
VHT40_Nss1,(MCS0)_2TX	Pass	2.42822G	3.90	-26.10	1.98566G	-54.67	2.39984G	-42.25	2.4G	-40.24	2.50094G	-53.61	17.0715G	-42.72	1
802.11ax HEW20_Nss1,(MCS0)_2TX	Pass	2.4319G	11.18	-18.82	2.12584G	-55.88	2.4G	-28.87	2.4G	-28.44	2.50254G	-53.21	24.87357G	-40.91	1
802.11ax HEW40_Nss1,(MCS0)_2TX	Pass	2.4319G	4.03	-25.97	721.58M	-55.64	2.39984G	-40.83	2.4G	-39.75	2.53806G	-53.51	15.21208G	-42.59	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	2.41403G	11.45	-18.55	2.14681G	-54.74	2.3992G	-42.99	2.4G	-43.78	2.51222G	-53.17	24.97471G	-42.49	1
2412MHz	Pass	2.41403G	11.45	-18.55	2.30525G	-55.52	2.398G	-40.86	2.4G	-41.63	2.51838G	-53.57	17.61085G	-43.50	2
2437MHz	Pass	2.41403G	11.45	-18.55	2.11302G	-54.40	2.39664G	-53.47	2.4G	-53.06	2.50758G	-53.29	23.31988G	-42.86	1
2437MHz	Pass	2.41403G	11.45	-18.55	706.87M	-55.69	2.39984G	-52.41	2.4G	-54.10	2.51398G	-53.65	21.58076G	-43.37	2
2462MHz	Pass	2.41403G	11.45	-18.55	842.01M	-55.86	2.4G	-53.34	2.4G	-55.69	2.50702G	-53.52	16.66122G	-42.69	1
2462MHz	Pass	2.41403G	11.45	-18.55	1.9872G	-55.19	2.39904G	-53.38	2.4G	-55.84	2.50102G	-53.42	15.23115G	-42.56	2
802.11g_Nss1,(6Mbps)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.42956G	9.33	-20.67	2.13865G	-55.29	2.39968G	-30.06	2.4G	-28.94	2.51926G	-53.26	15.24801G	-42.13	1
2412MHz	Pass	2.42956G	9.33	-20.67	2.30408G	-55.32	2.39976G	-31.66	2.4G	-30.56	2.5027G	-53.65	13.94718G	-44.00	2
2437MHz	Pass	2.42956G	9.33	-20.67	1.96274G	-55.18	2.3976G	-52.73	2.4G	-51.25	2.50918G	-53.45	16.87755G	-42.92	1
2437MHz	Pass	2.42956G	9.33	-20.67	682.4M	-55.68	2.4G	-51.72	2.4G	-52.66	2.5003G	-53.18	24.7949G	-43.00	2
2462MHz	Pass	2.42956G	9.33	-20.67	2.0804G	-55.93	2.4G	-53.71	2.4G	-55.64	2.5031G	-52.77	15.23396G	-42.86	1
2462MHz	Pass	2.42956G	9.33	-20.67	2.15263G	-55.33	2.39832G	-54.08	2.4G	-56.85	2.50166G	-53.40	15.22553G	-42.46	2
802.11n HT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.44459G	11.30	-18.70	2.16545G	-54.57	2.4G	-29.38	2.4G	-29.53	2.50518G	-53.39	24.46618G	-41.78	1
2412MHz	Pass	2.44459G	11.30	-18.70	2.15613G	-54.47	2.39984G	-29.28	2.4G	-29.22	2.5151G	-53.17	21.887G	-41.89	2
2437MHz	Pass	2.44459G	11.30	-18.70	1.81944G	-55.78	2.39976G	-47.96	2.4G	-49.07	2.50734G	-52.68	16.59941G	-41.39	1
2437MHz	Pass	2.44459G	11.30	-18.70	2.11419G	-54.62	2.39984G	-48.31	2.4G	-49.63	2.5183G	-53.52	24.77804G	-41.55	2
2462MHz	Pass	2.44459G	11.30	-18.70	2.12817G	-54.66	2.39392G	-53.92	2.4G	-55.77	2.51078G	-53.31	17.60804G	-42.49	1
2462MHz	Pass	2.44459G	11.30	-18.70	1.95109G	-55.52	2.39824G	-54.37	2.4G	-56.60	2.52182G	-52.88	24.13185G	-41.01	2
802.11n HT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	4.08	-25.92	2.08757G	-55.66	2.39984G	-38.68	2.4G	-39.36	2.5147G	-53.36	24.11656G	-42.54	1
2422MHz	Pass	2.4319G	4.08	-25.92	2.08757G	-55.24	2.39984G	-41.00	2.4G	-40.17	2.50206G	-52.65	17.04065G	-43.16	2
2437MHz	Pass	2.4319G	4.08	-25.92	1.99826G	-55.28	2.39984G	-47.16	2.4G	-48.48	2.55662G	-53.90	24.74759G	-42.90	1
2437MHz	Pass	2.4319G	4.08	-25.92	2.00742G	-55.52	2.39968G	-45.14	2.4G	-47.48	2.50798G	-53.91	15.2261G	-42.71	2
2452MHz	Pass	2.4319G	4.08	-25.92	2.15283G	-55.08	2.39776G	-53.70	2.4G	-54.93	2.52302G	-53.44	16.91445G	-42.74	1
2452MHz	Pass	2.4319G	4.08	-25.92	1.96391G	-56.21	2.39888G	-53.86	2.4G	-54.76	2.53806G	-53.00	15.24012G	-43.09	2
VHT20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.42956G	10.50	-19.50	2.17943G	-54.60	2.3992G	-29.11	2.4G	-30.55	2.50782G	-52.08	24.47461G	-41.97	1
2412MHz	Pass	2.42956G	10.50	-19.50	2.11768G	-53.57	2.3992G	-30.48	2.4G	-27.94	2.5087G	-53.82	15.0991G	-42.06	2
2437MHz	Pass	2.42956G	10.50	-19.50	2.12584G	-54.25	2.39976G	-47.64	2.4G	-47.86	2.50958G	-53.37	24.58699G	-41.67	1
2437MHz	Pass	2.42956G	10.50	-19.50	2.15729G	-54.61	2.39976G	-49.64	2.4G	-50.87	2.50006G	-53.65	24.15432G	-41.84	2
2462MHz	Pass	2.42956G	10.50	-19.50	2.1771G	-55.18	2.39984G	-53.63	2.4G	-54.35	2.52334G	-53.62	24.13746G	-41.48	1
2462MHz	Pass	2.42956G	10.50	-19.50	2.12001G	-55.79	2.39416G	-53.37	2.4G	-56.09	2.5015G	-53.05	24.52799G	-41.92	2
VHT40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.42822G	3.90	-26.10	1.98566G	-54.67	2.39984G	-42.25	2.4G	-40.24	2.50094G	-53.61	17.0715G	-42.72	1
2422MHz	Pass	2.42822G	3.90	-26.10	1.9994G	-55.55	2.39984G	-41.80	2.4G	-40.59	2.5083G	-53.42	15.24854G	-41.45	2
2437MHz	Pass	2.42822G	3.90	-26.10	903.64M	-55.09	2.39968G	-43.69	2.4G	-45.60	2.51214G	-52.99	21.93181G	-42.85	1
2437MHz	Pass	2.42822G	3.90	-26.10	1.86773G	-55.26	2.39952G	-47.23	2.4G	-46.84	2.55566G	-53.12	13.70603G	-43.09	2
2452MHz	Pass	2.42822G	3.90	-26.10	2.02574G	-55.73	2.39136G	-54.29	2.4G	-55.11	2.5043G	-53.11	24.92147G	-42.53	1
2452MHz	Pass	2.42822G	3.90	-26.10	2.30054G	-55.34	2.39456G	-54.22	2.4G	-54.87	2.51102G	-53.01	24.97756G	-43.21	2
802.11ax HEW20_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2412MHz	Pass	2.4319G	11.18	-18.82	2.12584G	-55.88	2.4G	-28.87	2.4G	-28.44	2.50254G	-53.21	24.87357G	-40.91	1
2412MHz	Pass	2.4319G	11.18	-18.82	2.17593G	-55.44	2.4G	-30.47	2.4G	-29.82	2.5203G	-53.58	24.81176G	-41.12	2
2437MHz	Pass	2.4319G	11.18	-18.82	2.07458G	-55.22	2.4G	-42.28	2.4G	-41.33	2.50182G	-53.94	24.67128G	-42.05	1
2437MHz	Pass	2.4319G	11.18	-18.82	2.11885G	-55.76	2.39976G	-45.18	2.4G	-45.47	2.51726G	-53.43	15.27049G	-41.63	2
2462MHz	Pass	2.4319G	11.18	-18.82	1.9639G	-54.38	2.39856G	-53.62	2.4G	-55.44	2.50046G	-52.90	24.83985G	-41.51	1
2462MHz	Pass	2.4319G	11.18	-18.82	2.15962G	-55.58	2.39912G	-53.29	2.4G	-55.64	2.51166G	-52.90	17.16975G	-42.08	2
802.11ax HEW40_Nss1,(MCS0)_2TX	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2422MHz	Pass	2.4319G	4.03	-25.97	2.14367G	-55.32	2.4G	-39.96	2.4G	-40.56	2.52766G	-53.02	24.72515G	-42.89	1
2422MHz	Pass	2.4319G	4.03	-25.97	721.58M	-55.64	2.39984G	-40.83	2.4G	-39.75	2.53806G	-53.51	15.21208G	-42.59	2
2437MHz	Pass	2.4319G	4.03	-25.97	928.83M	-55.23	2.4G	-45.48	2.4G	-47.21	2.5403G	-53.35	24.70272G	-43.67	1
2437MHz	Pass	2.4319G	4.03	-25.97	2.10818G	-54.88	2.39968G	-43.57	2.4G	-46.74	2.53902G	-53.75	23.51639G	-42.75	2
2452MHz	Pass	2.4319G	4.03	-25.97	649.45M	-55.36	2.39408G	-53.74	2.4G	-55.57	2.55326G	-53.09	15.24573G	-42.03	1
2452MHz	Pass	2.4319G	4.03	-25.97	2.30512G	-54.42	2.39888G	-54.58	2.4G	-55.42	2.51934G	-52.85	15.23171G	-41.63	2

