

# RF TEST REPORT

<b>Applicant</b>	Deer Management Systems LLC
<b>FCC ID</b>	2BBNQ-RVG3
<b>Product</b>	Trail Camera
<b>Brand</b>	Reveal
<b>Model</b>	Gen3
<b>Report No.</b>	R2401A0012-R5
<b>Issue Date</b>	January 23, 2024

TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2023)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

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*Approved by: Xu Kai*

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## Summary of Measurement Results

Number	Test Case	Clause in FCC rules	Verdict
1	Maximum output power	15.247(b)(3)	PASS
2	99% Bandwidth and 6dB Bandwidth	15.247(a)(2) C63.10 6.9	PASS
3	Power spectral density	15.247(e)	PASS
4	Band Edge	15.247(d)	PASS
5	Spurious RF Conducted Emissions	15.247(d)	PASS
6	Unwanted Emissions	15.247(d), 15.205, 15.209	PASS
7	Conducted Emissions	15.207	NA
Date of Testing: January 4, 2024 ~ January 16, 2024 Date of Sample Received: January 3, 2024			
Note: NA = Not Applicable. All indications of Pass/Fail in this report are opinions expressed by TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

## 1. Test Laboratory

### 1.1. Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **TA Technology (Shanghai) Co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

### 1.2. Test Facility

#### **FCC (Designation number: CN1179, Test Firm Registration Number: 446626)**

TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform measurements.

#### **A2LA (Certificate Number: 3857.01)**

TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform measurement.

### 1.3. Testing Location

Company: TA Technology (Shanghai) Co., Ltd.  
Address: Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China  
City: Shanghai  
Post code: 201201  
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Telephone: +86-021-50791141/2/3  
Fax: +86-021-50791141/2/3-8000  
Website: <https://www.eurofins.com/electrical-and-electronics>  
E-mail: Kain.Xu@cpt.eurofinscn.com

## 2. General Description of Equipment Under Test

### 2.1. Applicant and Manufacturer Information

Applicant	Deer Management Systems LLC
Applicant address	110 N Sunset Blvd Caledonia Minnesota United States
Manufacturer	AsiaTelco Technologies Co.
Manufacturer address	No. 68 Huatuo Road, Building-8, Zhangjiang Hi-Tech Park, Pudong, Shanghai 201203, China

### 2.2. General Information

EUT Description	
Model	Gen3
SN	G32351P300017
Hardware Version	P3
Software Version	V1.0.32_b20240122
Power Supply	Battery
Antenna Type	PCB Antenna
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Antenna Gain	Wi-Fi 2.4G: 3.39 dBi Bluetooth LE: 2.56 dBi
Additional Beamforming Gain	NA
Operating Frequency Range(s)	802.11b/g/n(HT20): 2412 ~ 2462 MHz 802.11n(HT40): 2422 ~ 2452 MHz Bluetooth LE V5.3: 2402 ~2480 MHz
Modulation Type	802.11b: DSSS 802.11g/n: OFDM Bluetooth LE: GFSK
Max. Output Power	Wi-Fi 2.4G: 13.00 dBm Bluetooth LE: 3.93 dBm
EUT Accessory	
Power supply 1	Dry battery: six AA Batteries DC 9V
Power supply 2	Lithium battery: Manufacturer: Asiatelco Technologies Co. Model: TBP-01 DC 7.25V 5000mAh

Note: 1. The EUT is sent from the applicant to TA and the information of the EUT is declared by the applicant.

2. There is more than one Power supply, each one should be applied throughout the compliance test respectively, and however, only the worst case (Power supply 1) will be recorded in this report.

### 3. Applied Standards

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

**Test standards:**

**FCC CFR47 Part 15C (2023) Radio Frequency Devices**

**ANSI C63.10-2013**

**Reference standard:**

**KDB 558074 D01 15.247 Meas Guidance v05r02**

## 4. Test Configuration

### Test Mode

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The radiated emission was measured in the following position: EUT stand-up position (Z axis), lie-down position (X, Y axis). The worst emission was found in lie-down position (Y axis) and the loop antenna is vertical, the others are vertical and horizontal. and the worst case was recorded.

In order to find the worst case condition, Pre-tests are needed at the presence of different data rate. Preliminary tests have been done on all the configuration for confirming worst case. Data rate below means worst-case rate of each test item.

Worst-case data rates are shown as following table.

Test Mode	Data Rate
Bluetooth (Low Energy)	1Mbps; 2Mbps
802.11b	1 Mbps
802.11g	6 Mbps
802.11n HT20	MCS0
802.11n HT40	MCS0



## 5. Test Case Results

### 5.1. Maximum output power

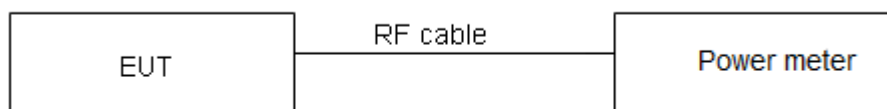
#### Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

#### Methods of Measurement

During the process of the testing, The EUT was connected to Power meter with a known loss. The EUT is max power transmission with proper modulation.

#### Test Setup



#### Limits

Rule Part 15.247 (b) (3) specifies that " For systems using digital modulation in the 902–928 MHz, 2400–2483.5 MHz: 1 Watt."

Average Output Power	$\leq 1\text{W (30dBm)}$
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#### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 0.44$  dB.

## Test Results

Power Index					
Channel	802.11b	802.11g	802.11n HT20	Channel	802.11n HT40
CH1	38	44	42	CH3	36
CH6	34	40	38	CH6	38
CH11	28	38	36	CH9	36

Power Index	
Channel	Bluetooth (Low Energy)
CH0	4
CH19	4
CH39	4

Test Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11b	0.980	0.00
802.11g	0.975	0.11
802.11n HT20	0.973	0.12
802.11n HT40	0.913	0.40
Bluetooth LE (1M)	0.632	1.99
Bluetooth LE (2M)	0.334	4.76
Note: when Duty cycle $\geq 0.98$ , Duty cycle correction Factor not required.		

Test Mode	Carrier frequency (MHz) / Channel	Average Power Measured (dBm)	Average Power with duty factor (dBm)	Limit (dBm)	Conclusion
802.11b	2412/CH 1	12.57	12.57	30	PASS
	2437/CH 6	13.00	13.00	30	PASS
	2462/CH11	12.71	12.71	30	PASS
802.11g	2412/CH 1	10.68	10.79	30	PASS
	2437/CH 6	11.38	11.49	30	PASS
	2462/CH11	11.31	11.42	30	PASS
802.11n HT20	2412/CH 1	9.71	9.83	30	PASS
	2437/CH 6	10.36	10.48	30	PASS
	2462/CH11	10.21	10.33	30	PASS
802.11n HT40	2422/CH3	10.65	11.05	30	PASS
	2437/CH6	9.77	10.17	30	PASS
	2452/CH9	10.14	10.54	30	PASS
Bluetooth (Low Energy) (1M)	2402/CH0	1.81	3.80	30	PASS
	2440/CH19	1.93	3.92	30	PASS
	2480/CH39	1.77	3.76	30	PASS
Bluetooth (Low Energy) (2M)	2402/CH0	-0.83	3.93	30	PASS
	2440/CH19	-0.92	3.84	30	PASS
	2480/CH39	-0.90	3.86	30	PASS
Note: Average Power with duty factor = Average Power Measured +Duty cycle correction factor					

## 5.2. 99% Bandwidth and 6dB Bandwidth

### Ambient Condition

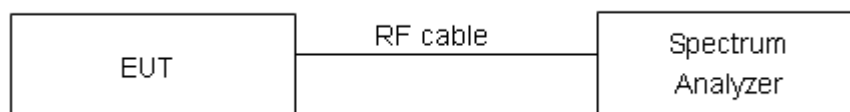
Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

### Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable. RBW is set to 100 kHz; VBW is set to 300 kHz on spectrum analyzer. Dector=Peak, Trace mode=max hold.

The EUT was connected to the spectrum analyzer through a known loss cable. The resolution bandwidth (RBW) shall be in the range of 1% to 5% of the actual occupied / x dB bandwidth and the video bandwidth (VBW) shall not be smaller than three times the RBW value.

### Test Setup



### Limits

Rule Part 15.247 (a) (2) specifies that “Systems using digital modulation techniques may operate in the 902–928 MHz, 2400–2483.5 MHz bands. The minimum 6 dB bandwidth shall be at least 500 kHz.”

minimum 6 dB bandwidth	≥ 500 kHz
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### Measurement Uncertainty

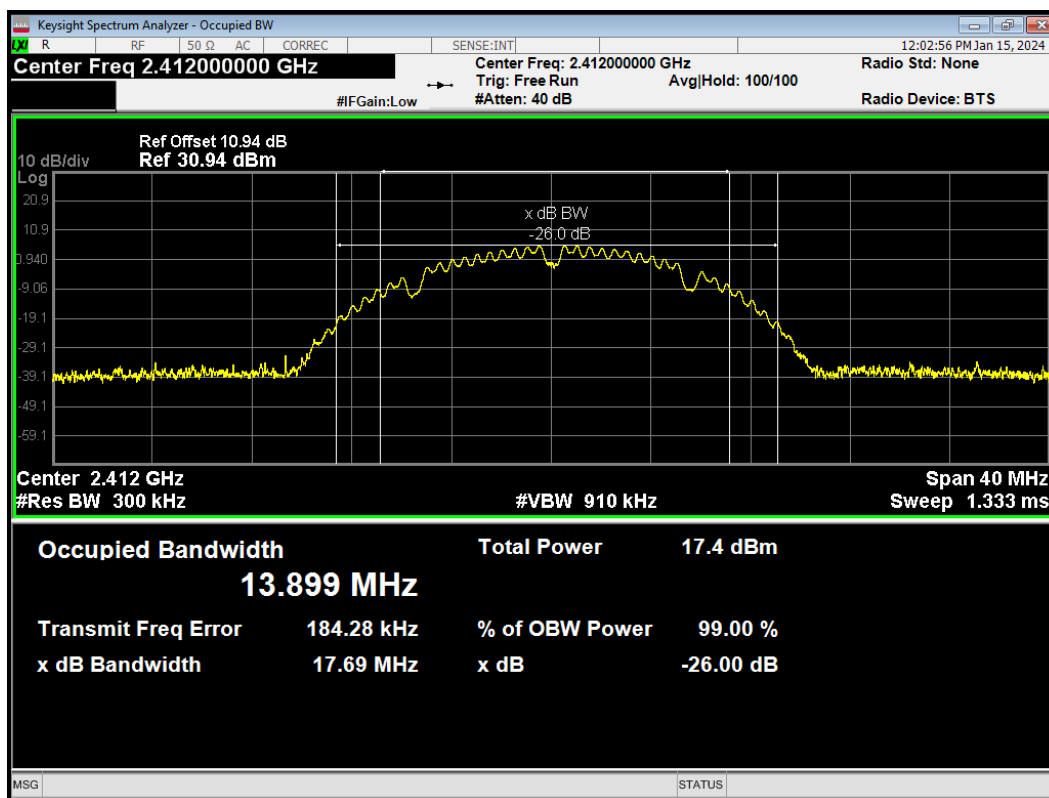
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 936$  Hz.

**Test Results:**

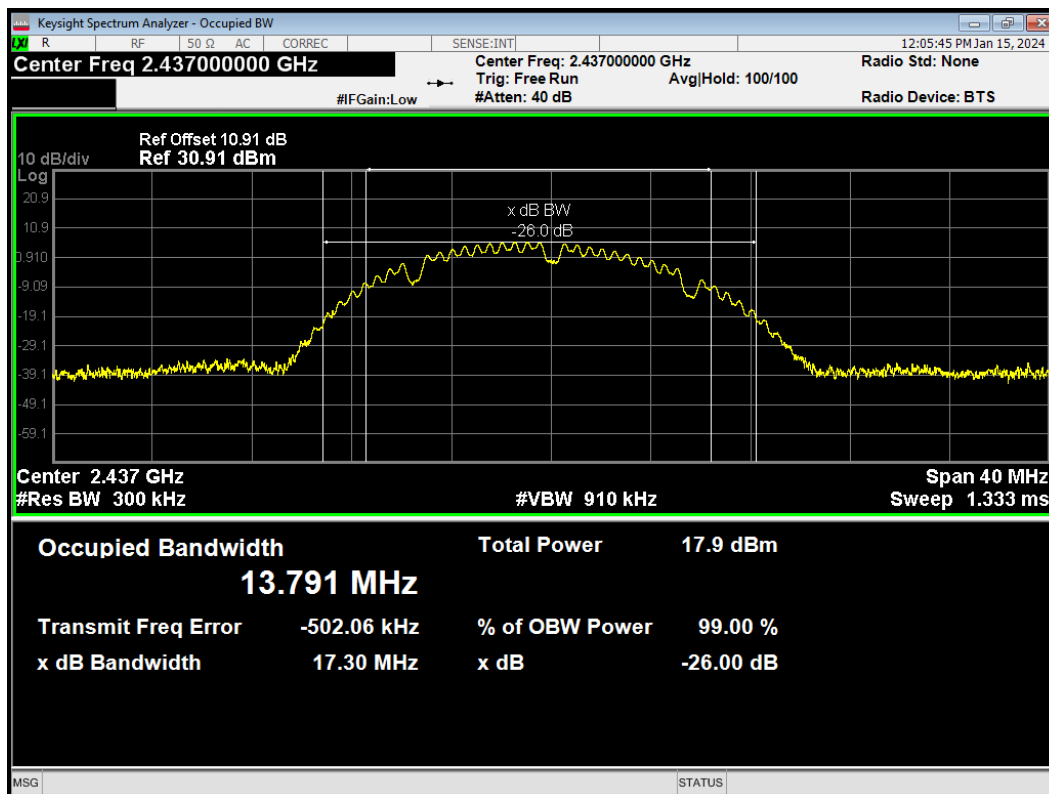
Test Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11b	2412	13.899	9.058	500	PASS
	2437	13.791	8.549	500	PASS
	2462	12.391	6.081	500	PASS
802.11g	2412	16.970	16.378	500	PASS
	2437	16.878	15.770	500	PASS
	2462	16.270	15.061	500	PASS
802.11n HT20	2412	18.036	16.382	500	PASS
	2437	17.835	15.159	500	PASS
	2462	17.370	12.549	500	PASS
802.11n HT40	2422	35.676	26.271	500	PASS
	2437	36.129	34.983	500	PASS
	2452	36.024	30.295	500	PASS
Bluetooth (Low Energy) (1M)	2402	1.051	0.693	500	PASS
	2440	1.046	0.677	500	PASS
	2480	1.052	0.688	500	PASS
Bluetooth (Low Energy) (2M)	2402	2.051	1.095	500	PASS
	2440	2.054	1.138	500	PASS
	2480	2.053	1.141	500	PASS

99%bandwidth

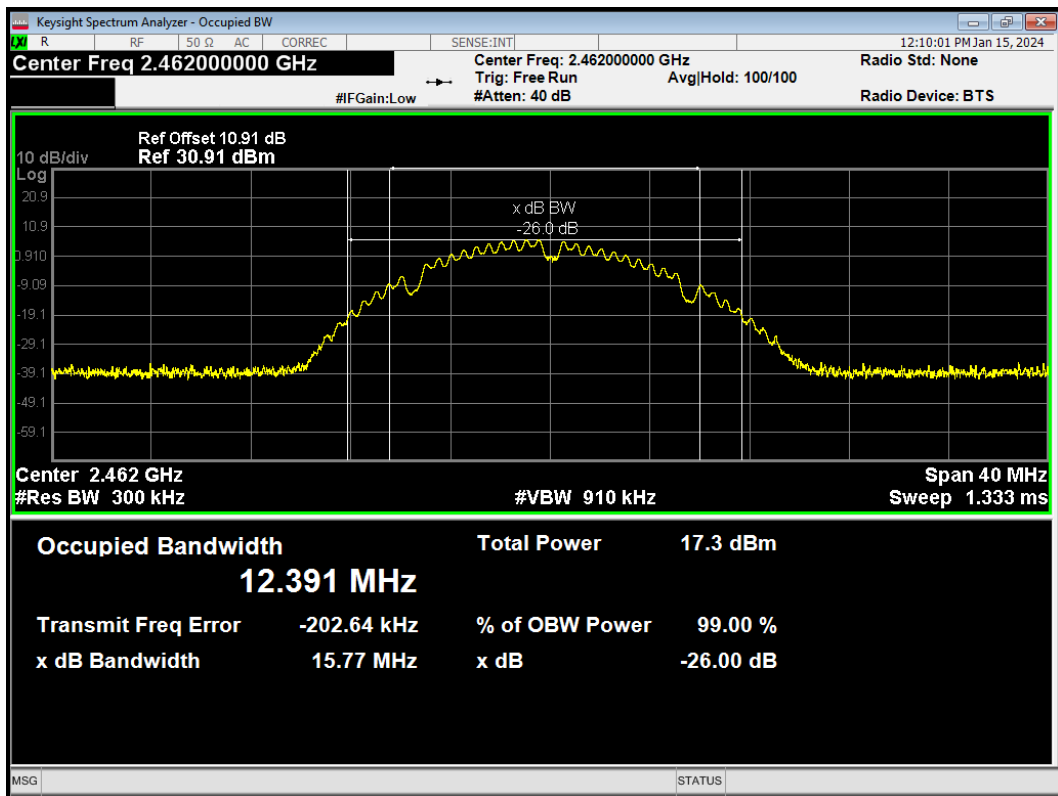
OBW 802.11b 2412MHz



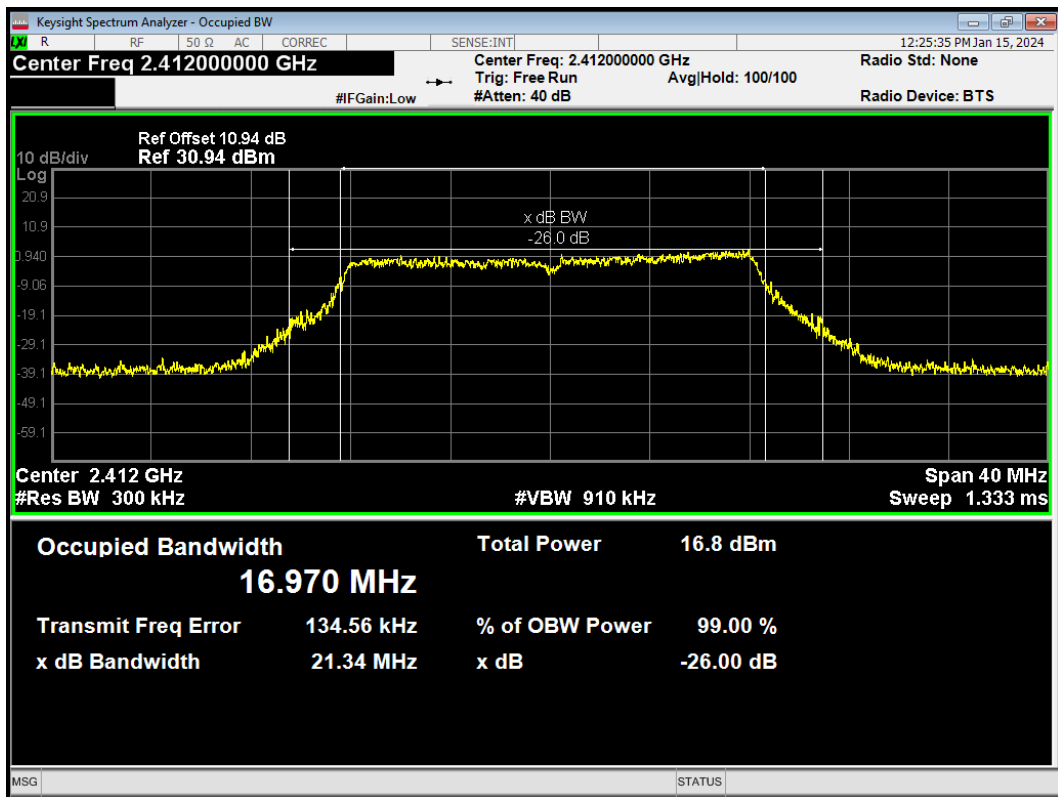
OBW 802.11b 2437MHz



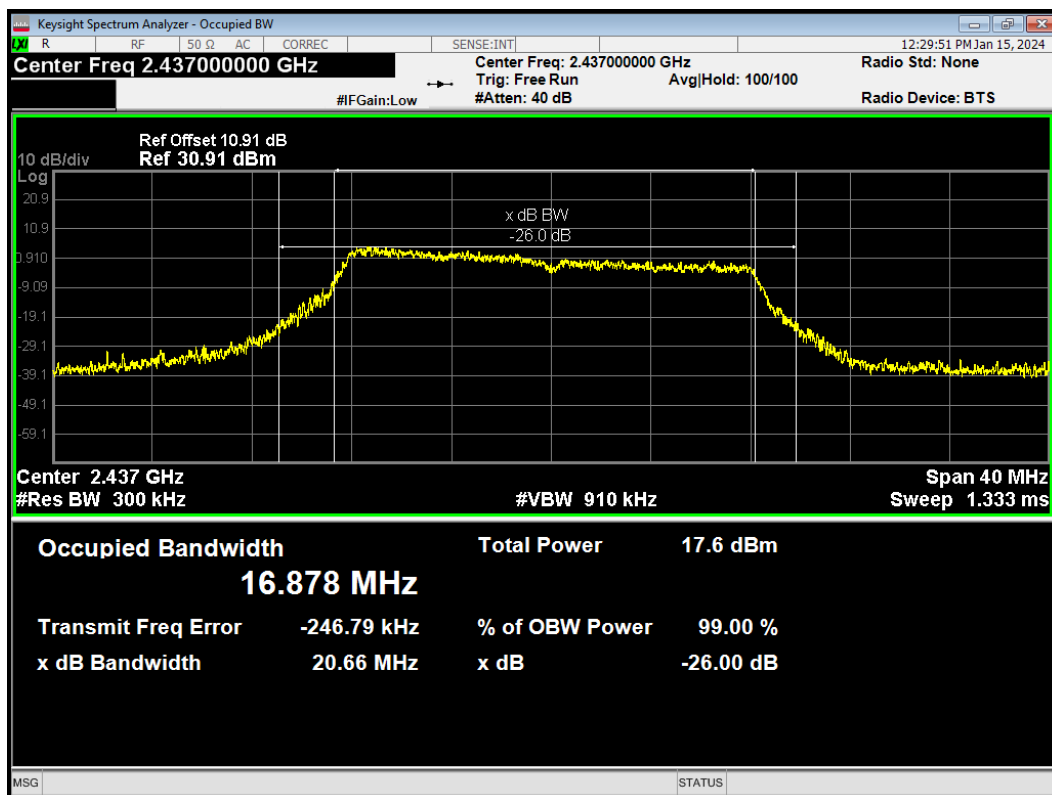
OBW 802.11b 2462MHz



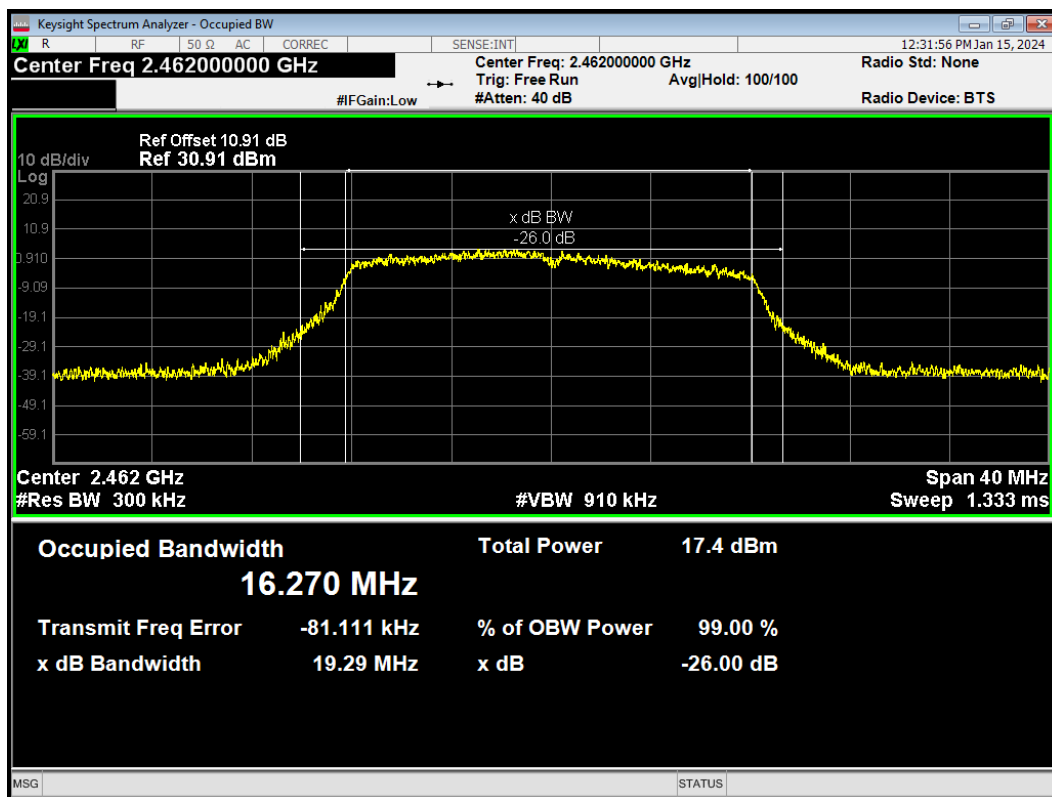
OBW 802.11g 2412MHz



OBW 802.11g 2437MHz

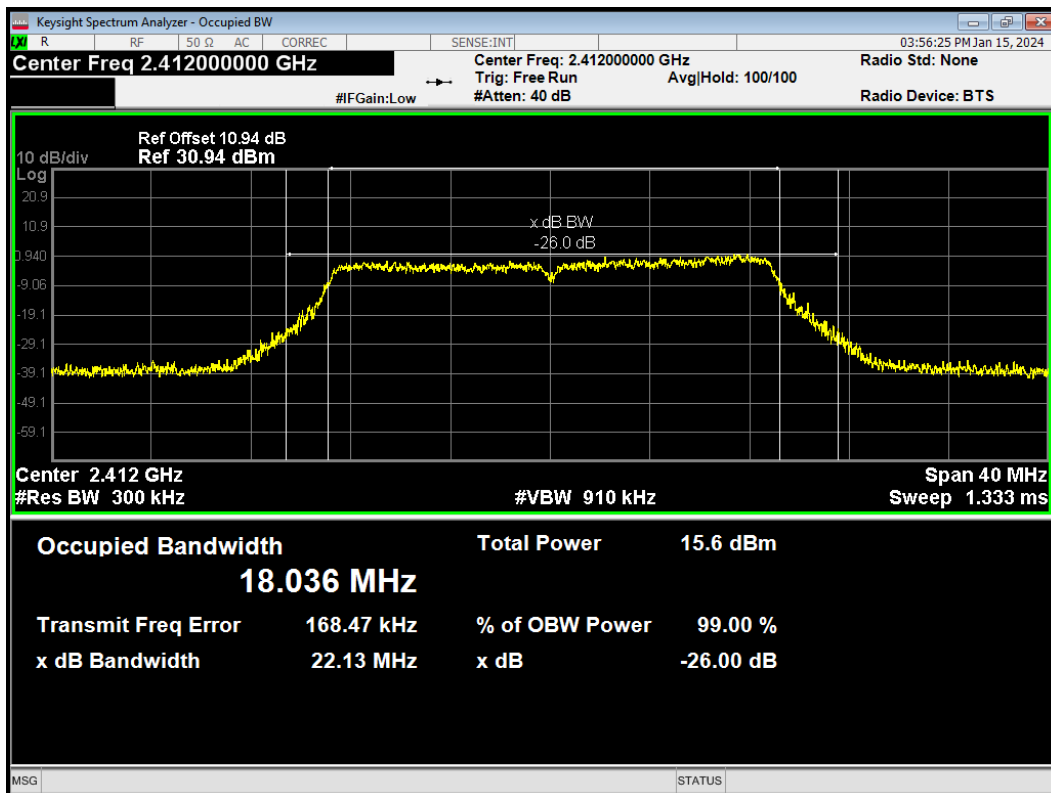


OBW 802.11g 2462MHz

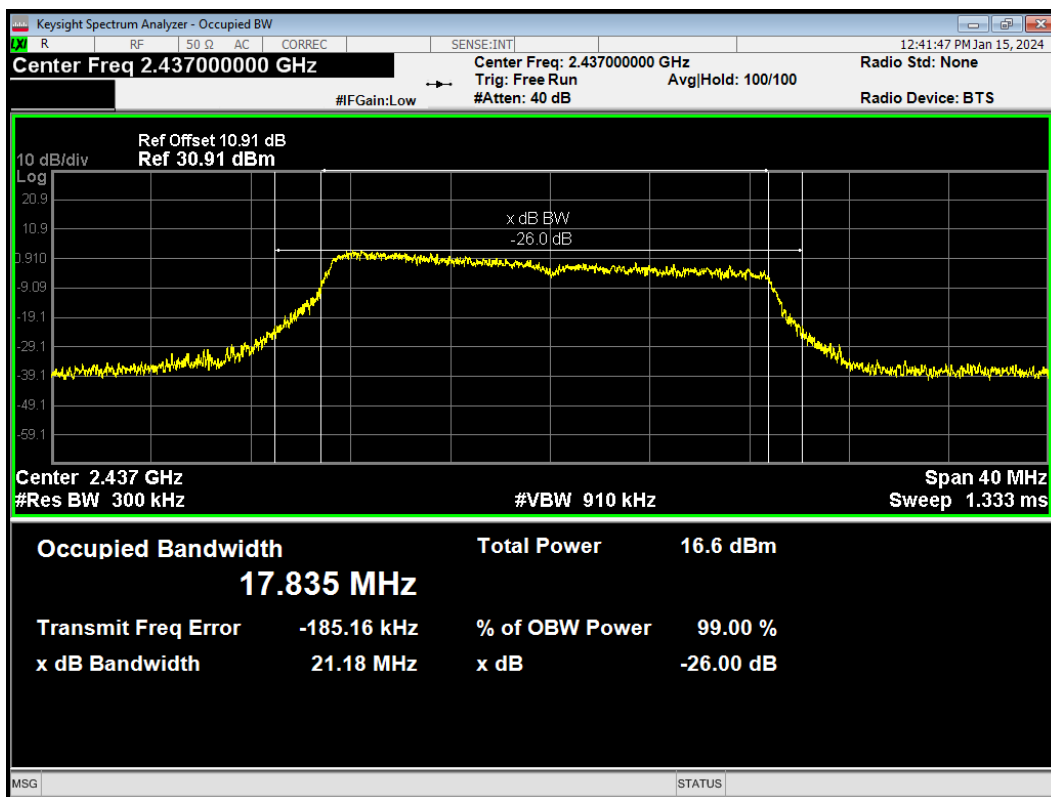




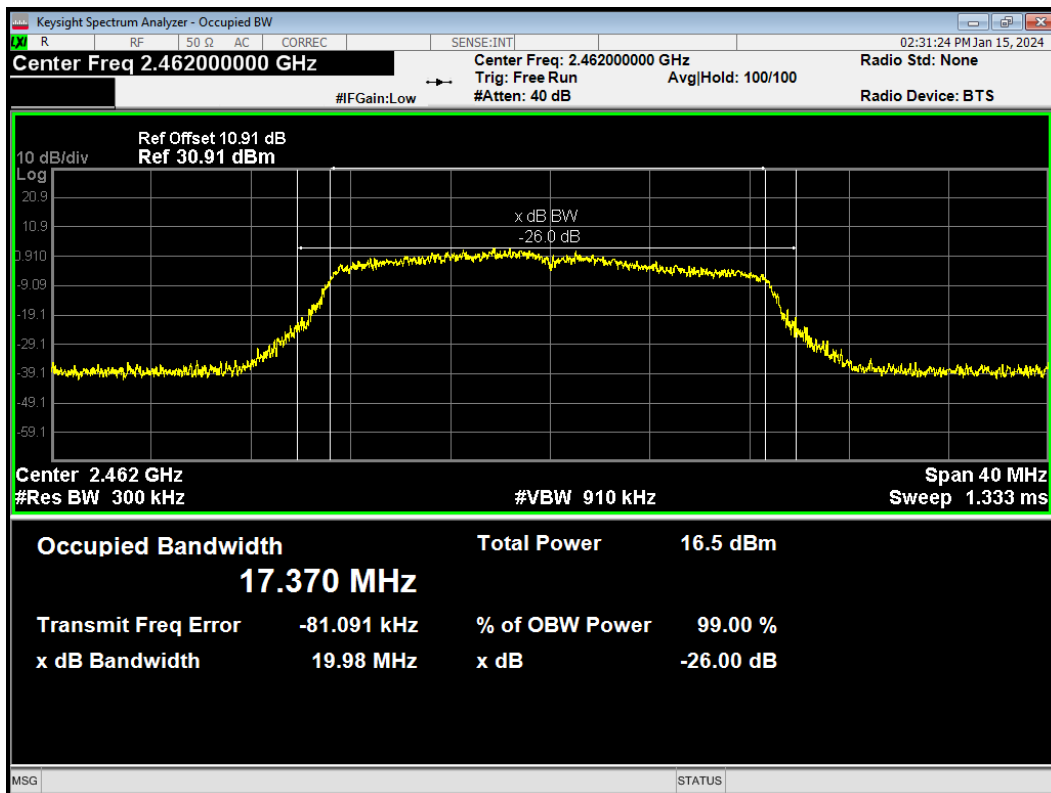
OBW 802.11n(HT20) 2412MHz



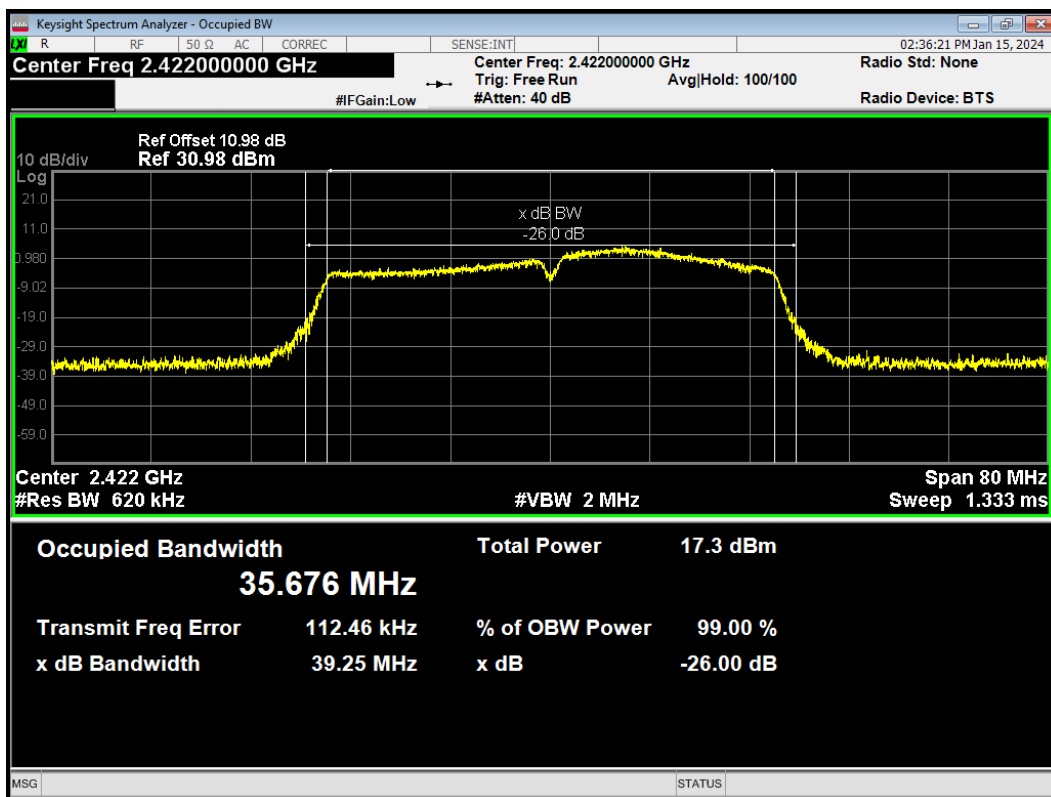
OBW 802.11n(HT20) 2437MHz



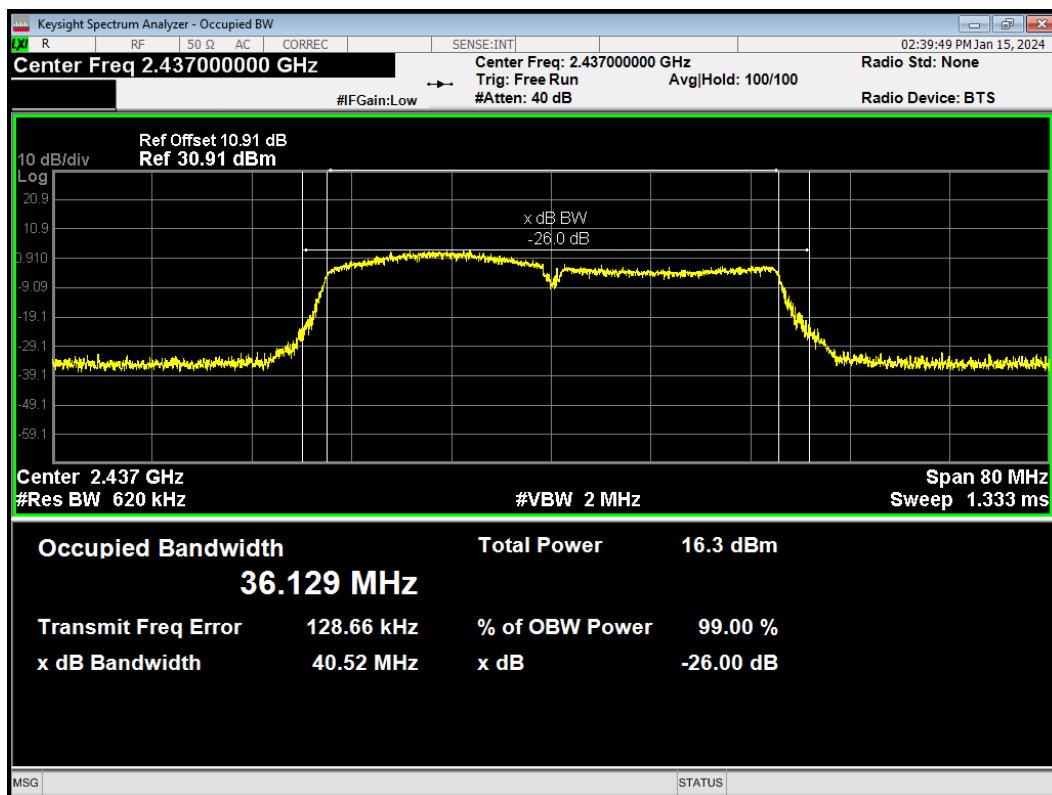
OBW 802.11n(HT20) 2462MHz



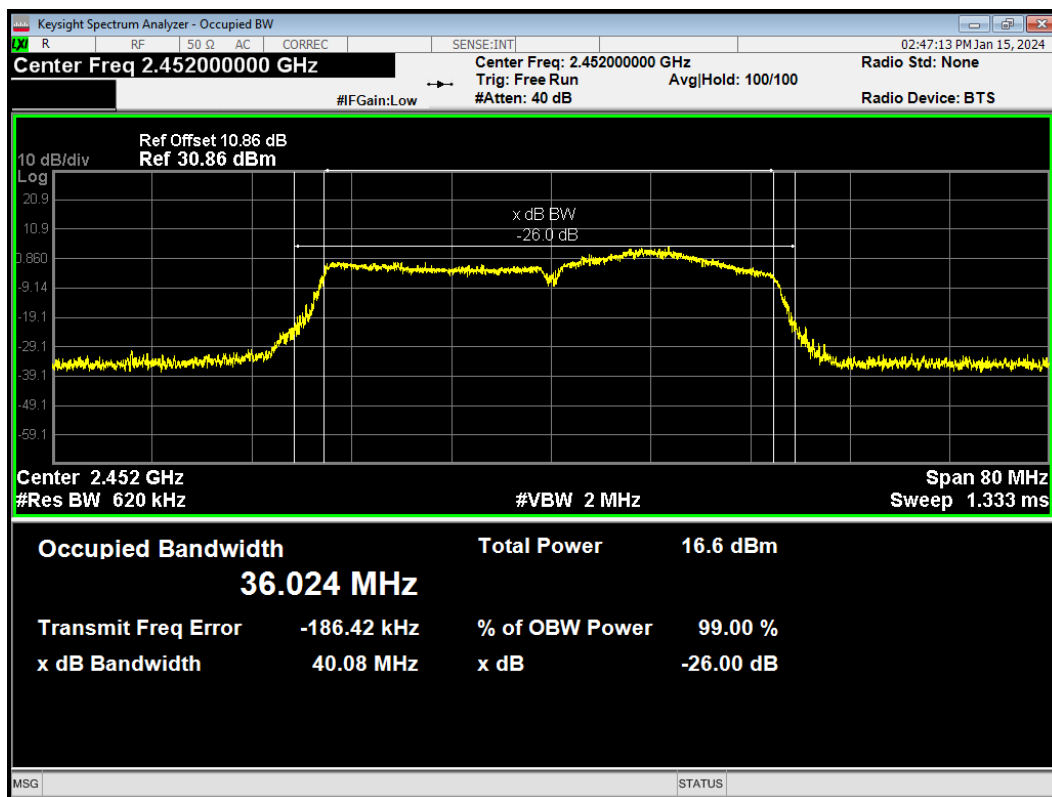
OBW 802.11n(HT40) 2422MHz



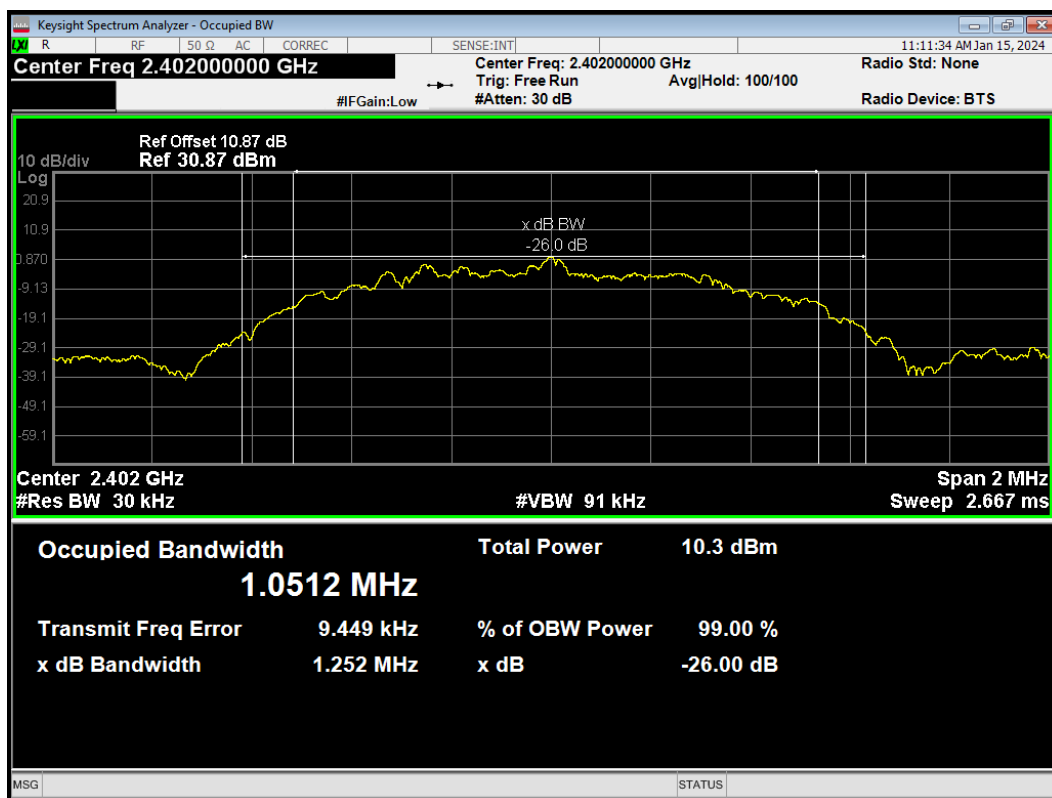
OBW 802.11n(HT40) 2437MHz



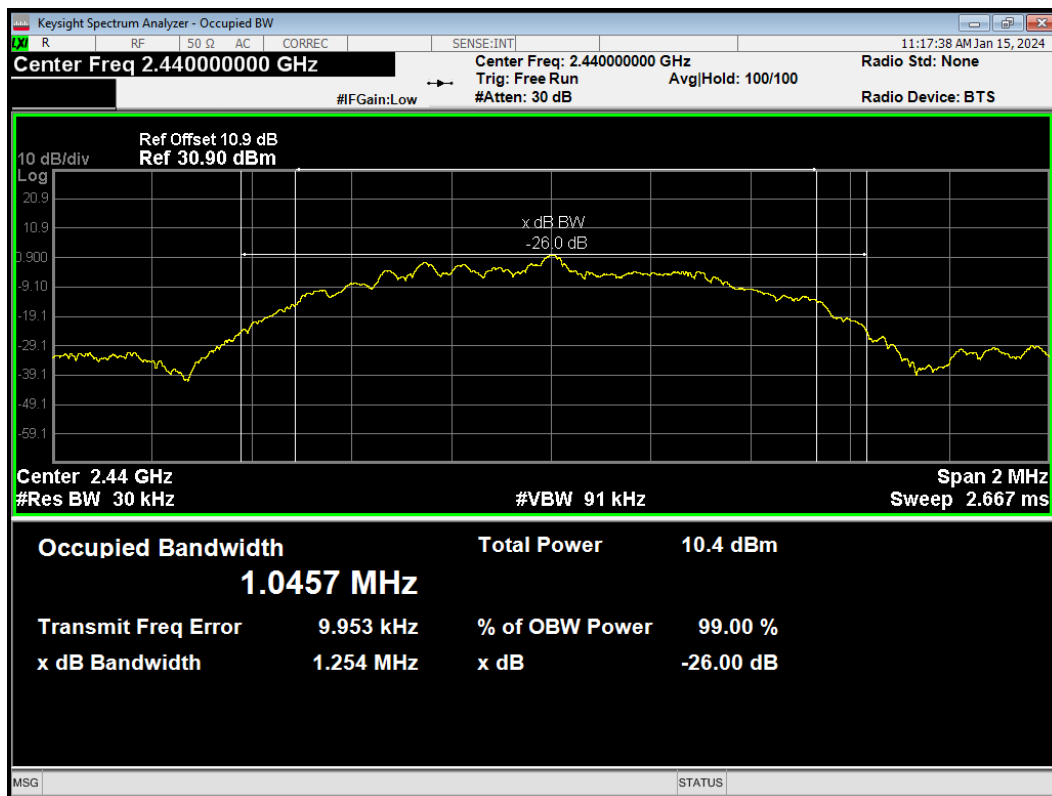
OBW 802.11n(HT40) 2452MHz



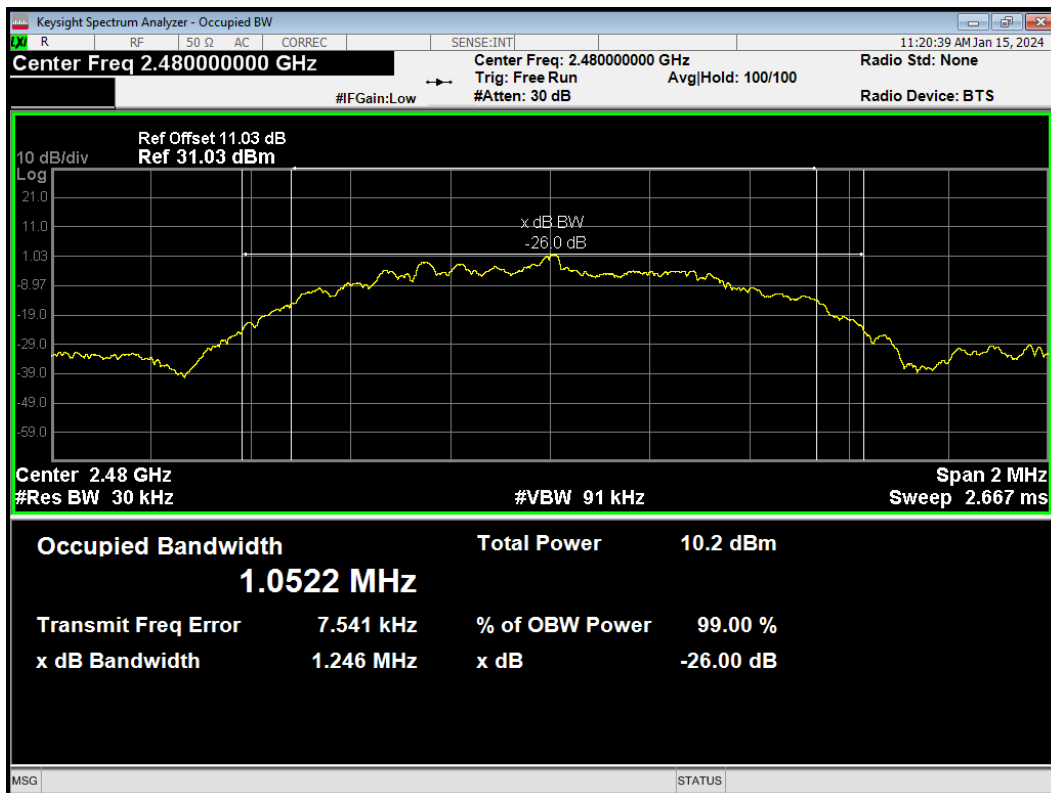
### OBW Bluetooth LE 1M 2402MHz



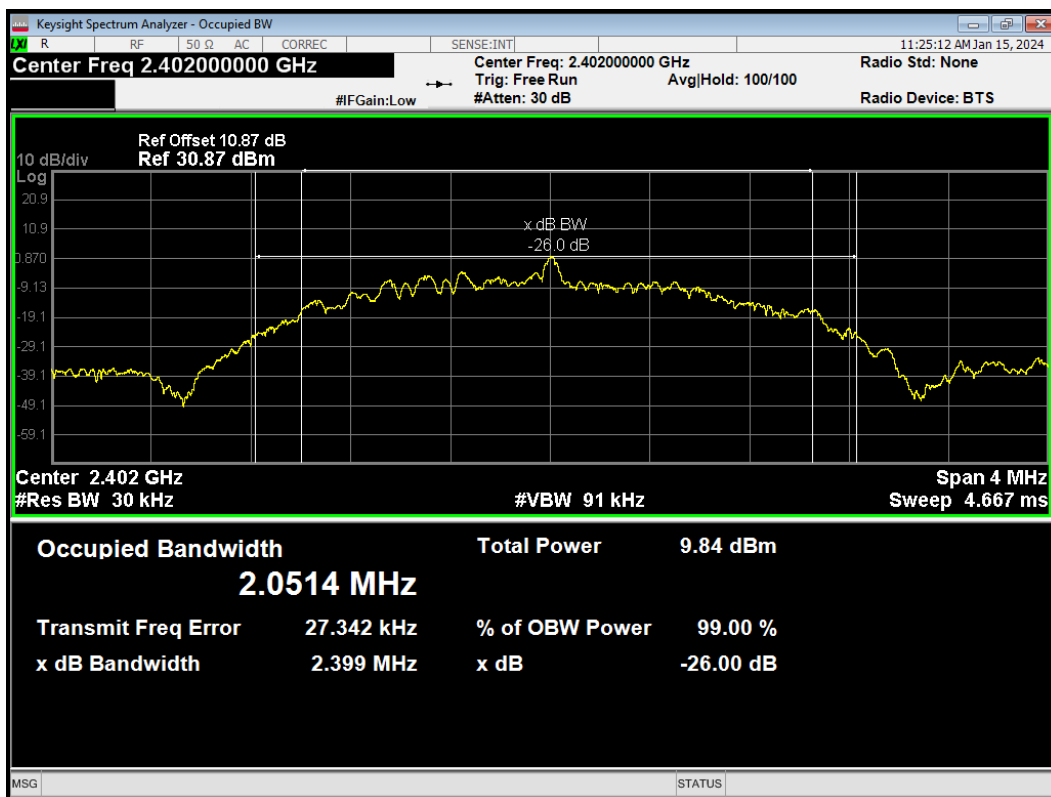
### OBW Bluetooth LE 1M 2440MHz



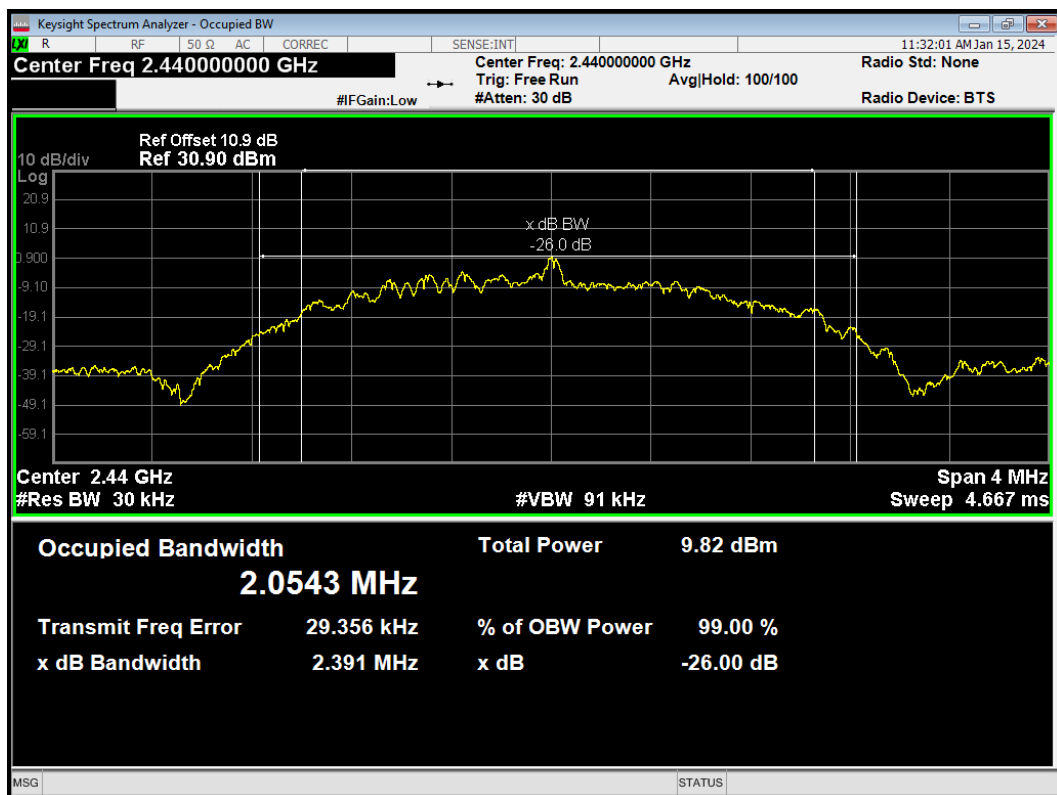
OBW Bluetooth LE 1M 2480MHz



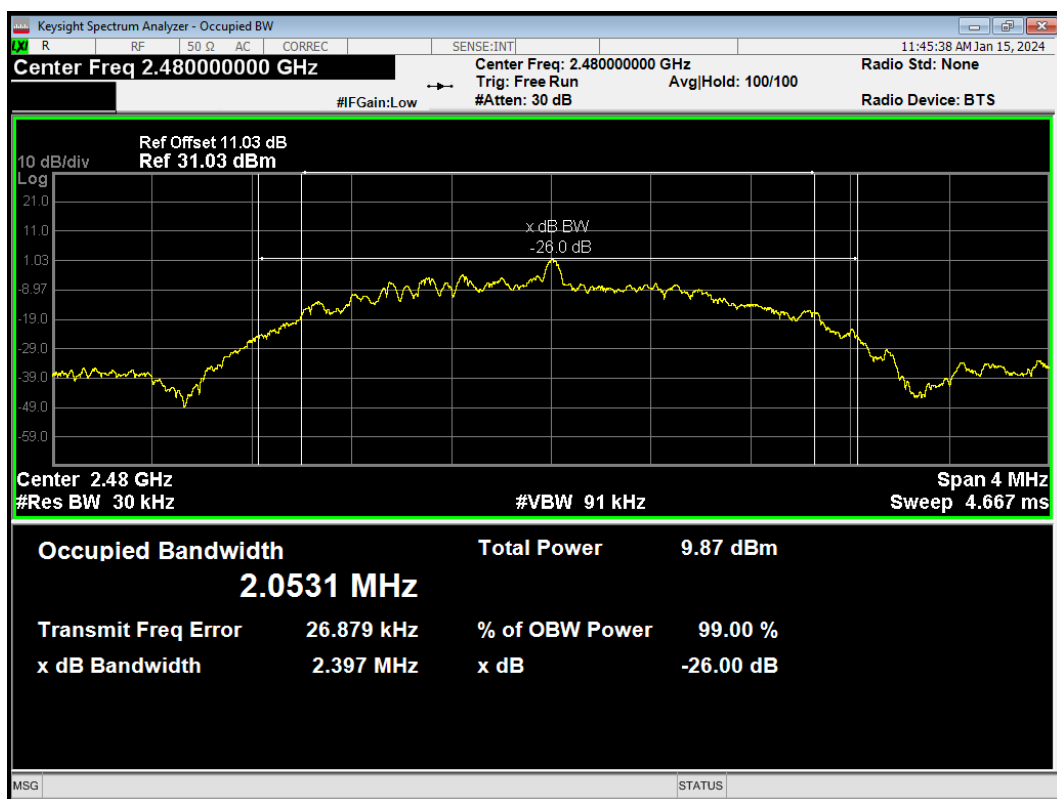
OBW Bluetooth LE 2M 2402MHz



## OBW Bluetooth LE 2M 2440MHz

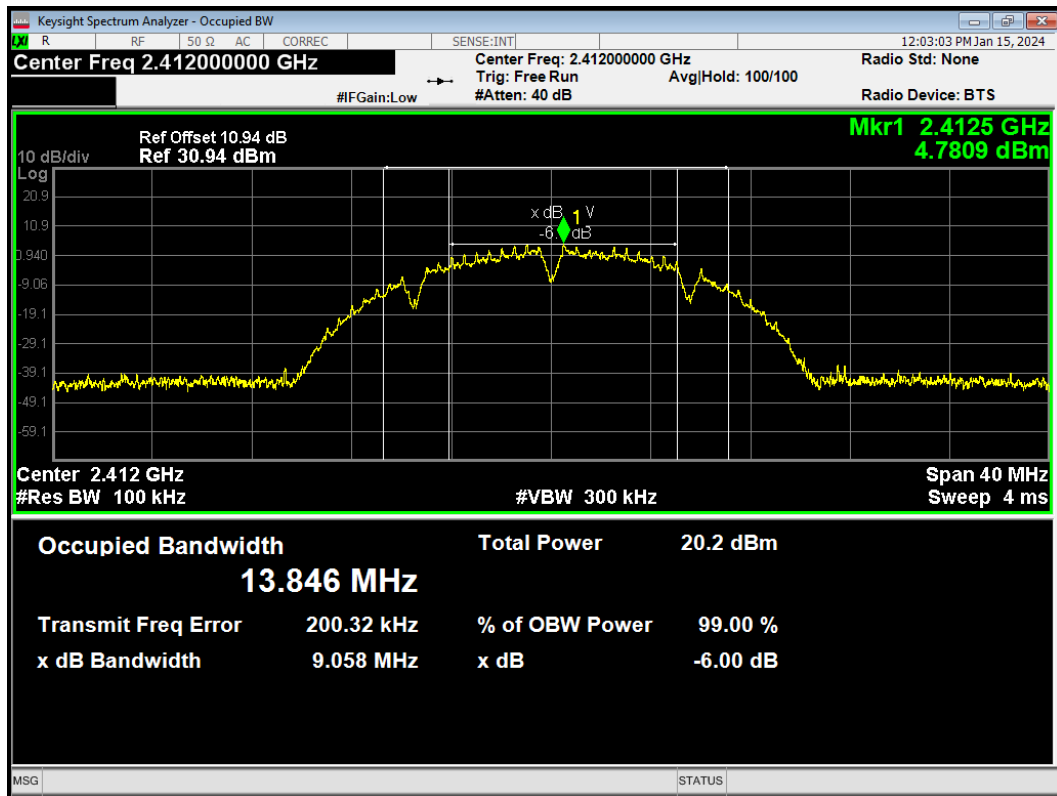


## OBW Bluetooth LE 2M 2480MHz

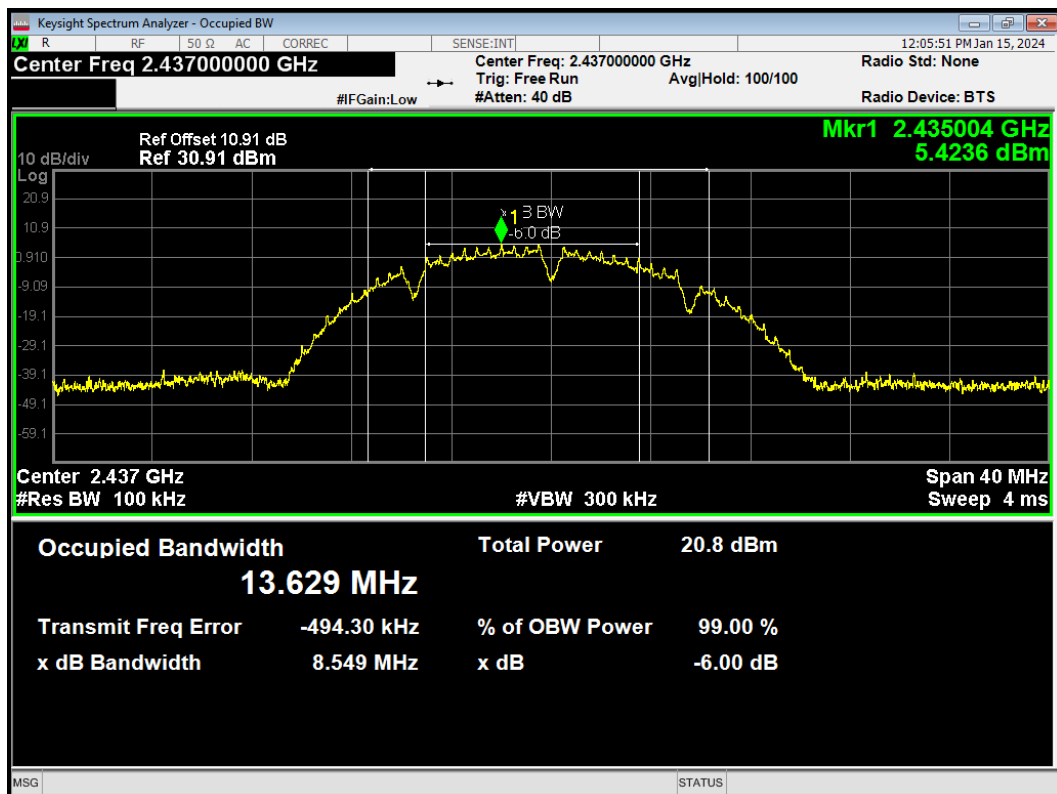


## 6 dB bandwidth

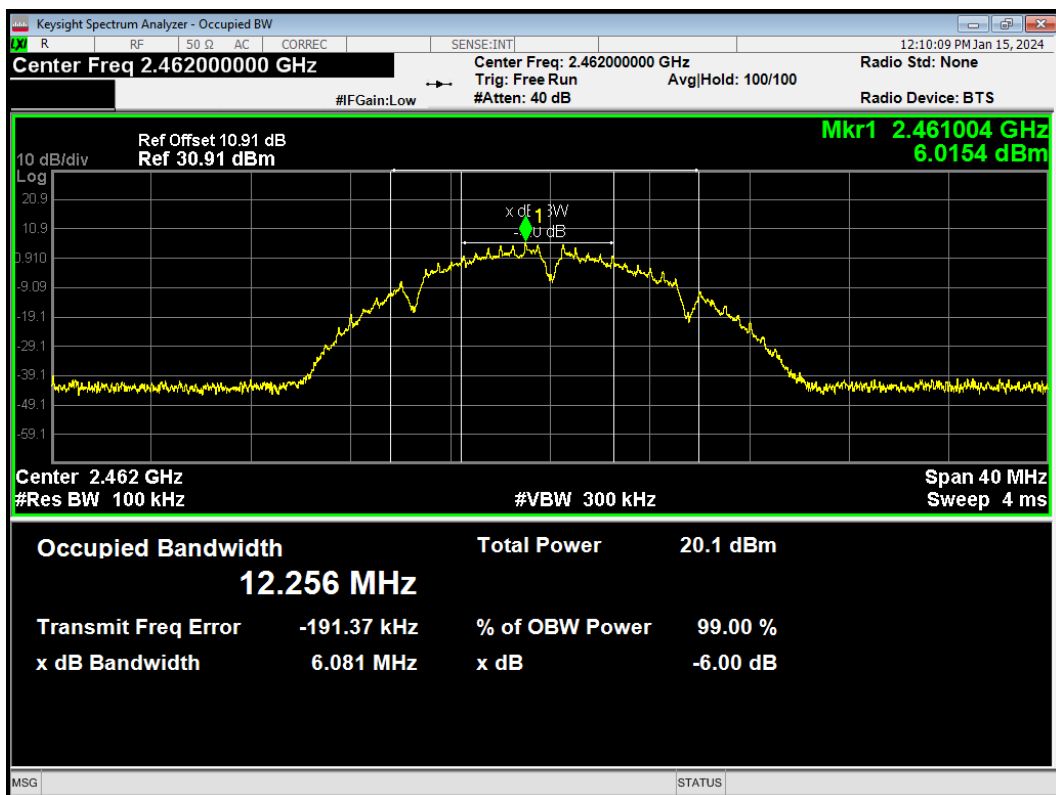
-6dB Bandwidth 802.11b 2412MHz



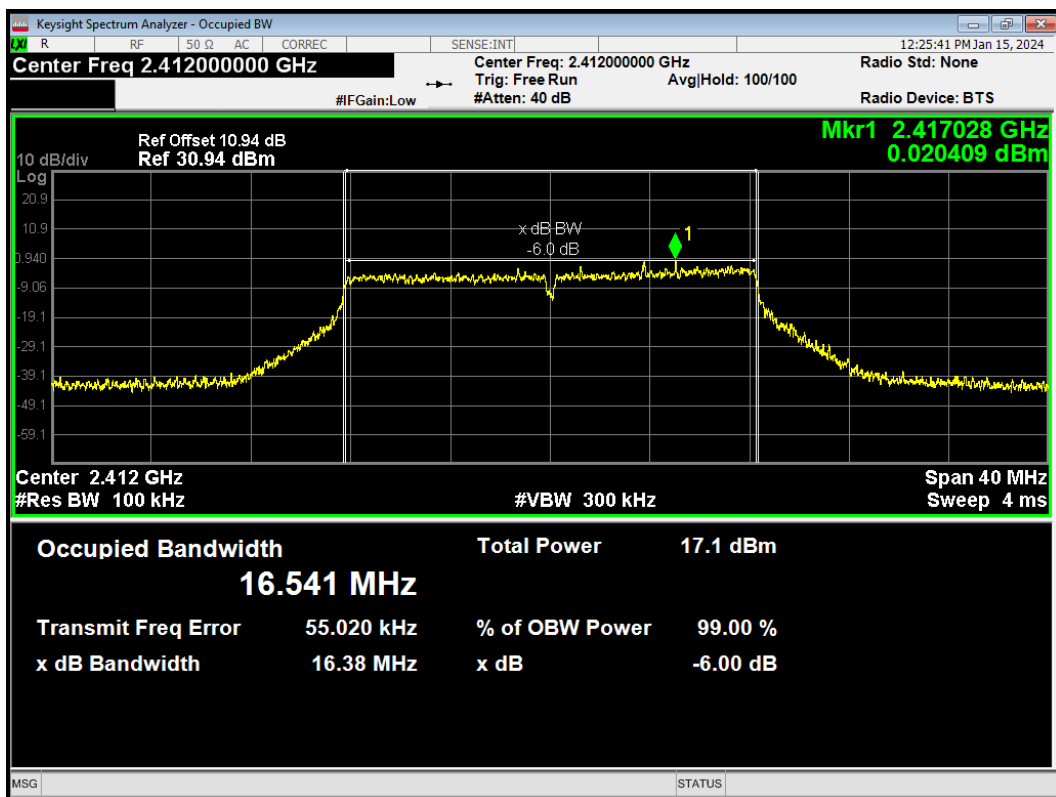
-6dB Bandwidth 802.11b 2437MHz



## -6dB Bandwidth 802.11b 2462MHz

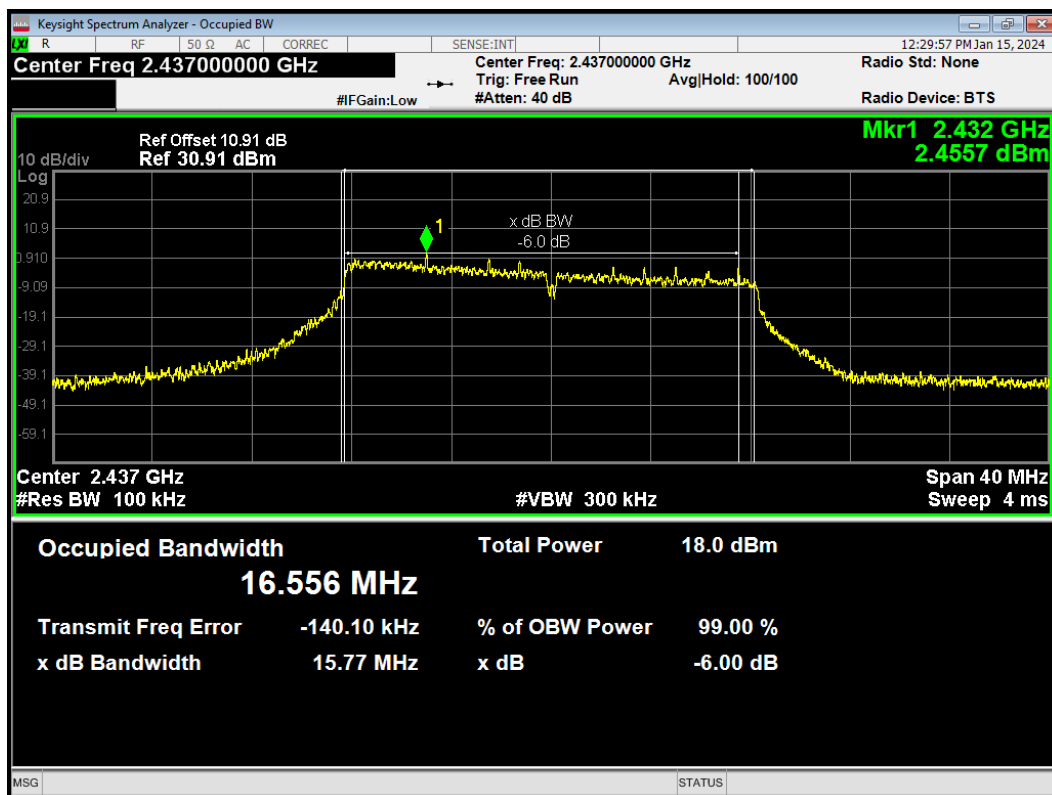


## -6dB Bandwidth 802.11g 2412MHz

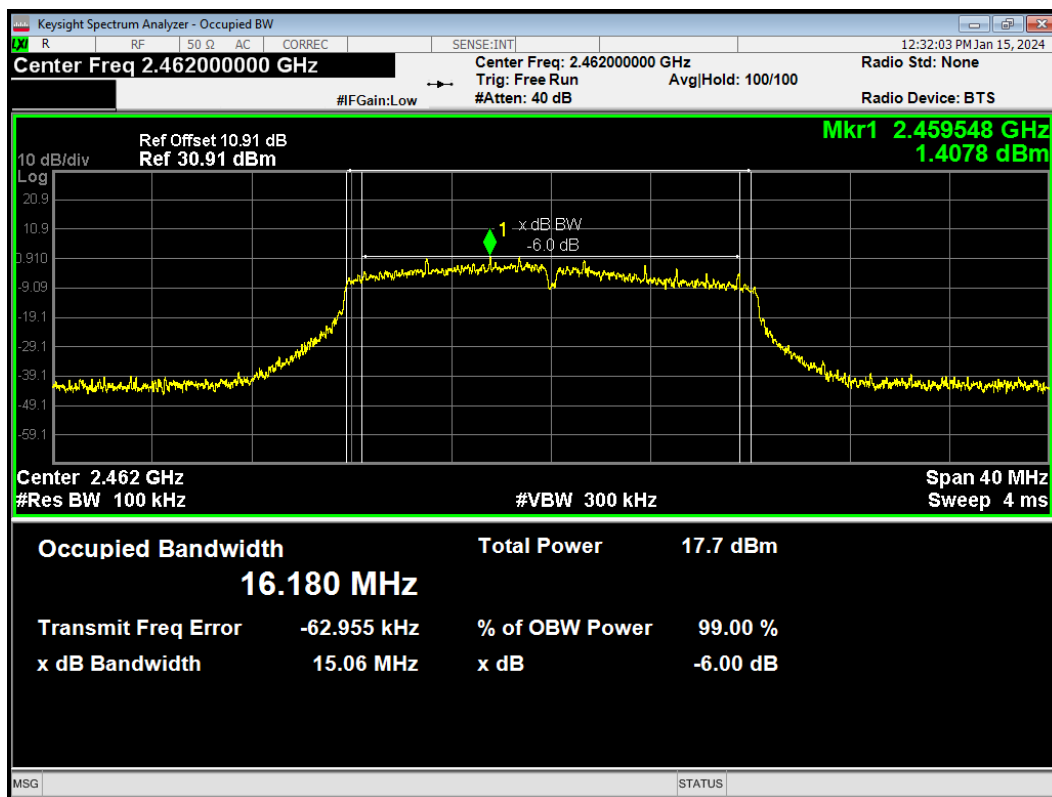




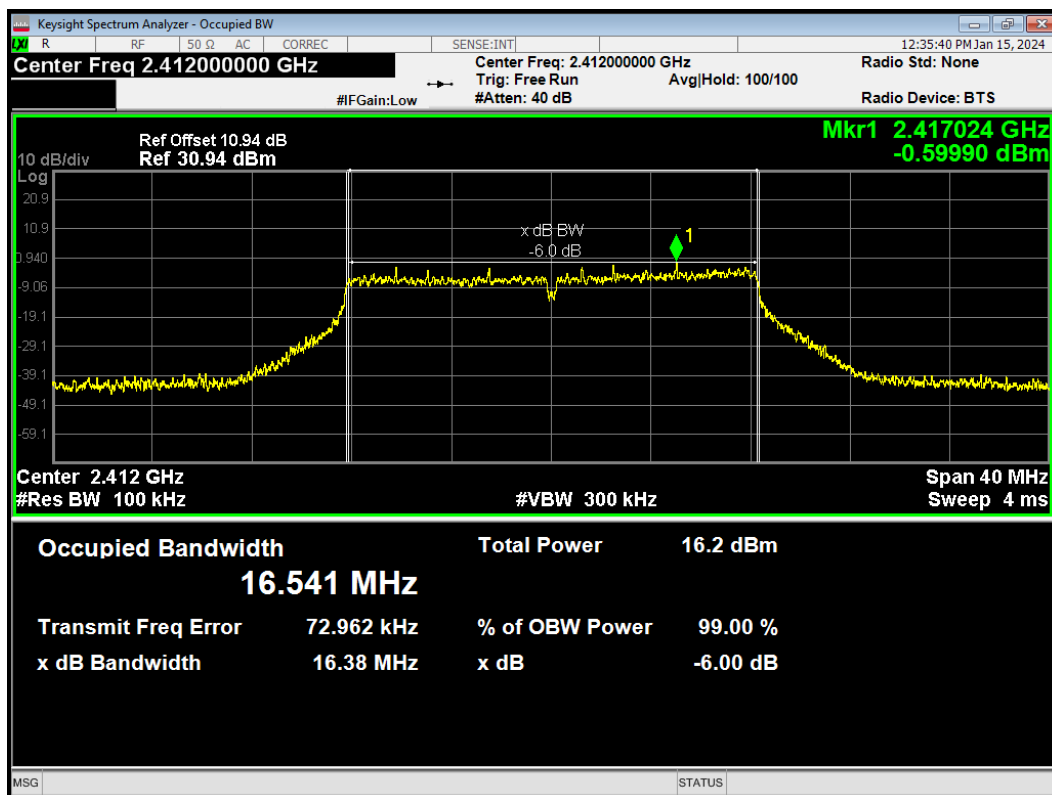
-6dB Bandwidth 802.11g 2437MHz



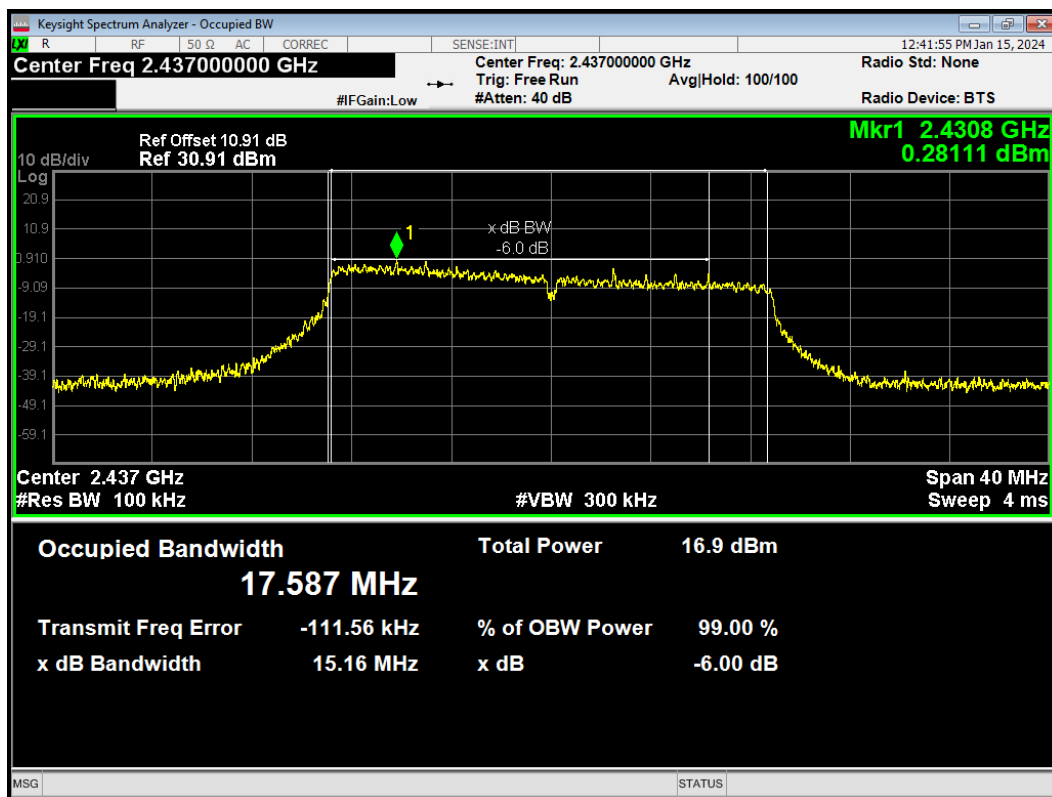
-6dB Bandwidth 802.11g 2462MHz



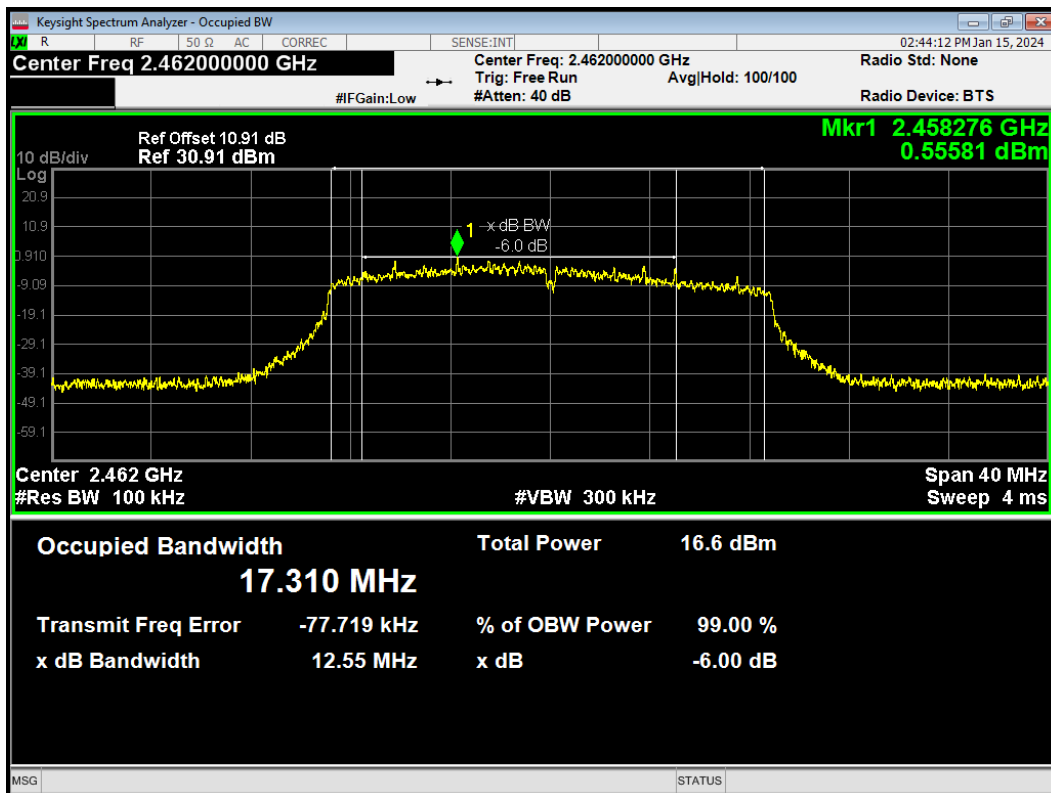
-6dB Bandwidth 802.11n(HT20) 2412MHz



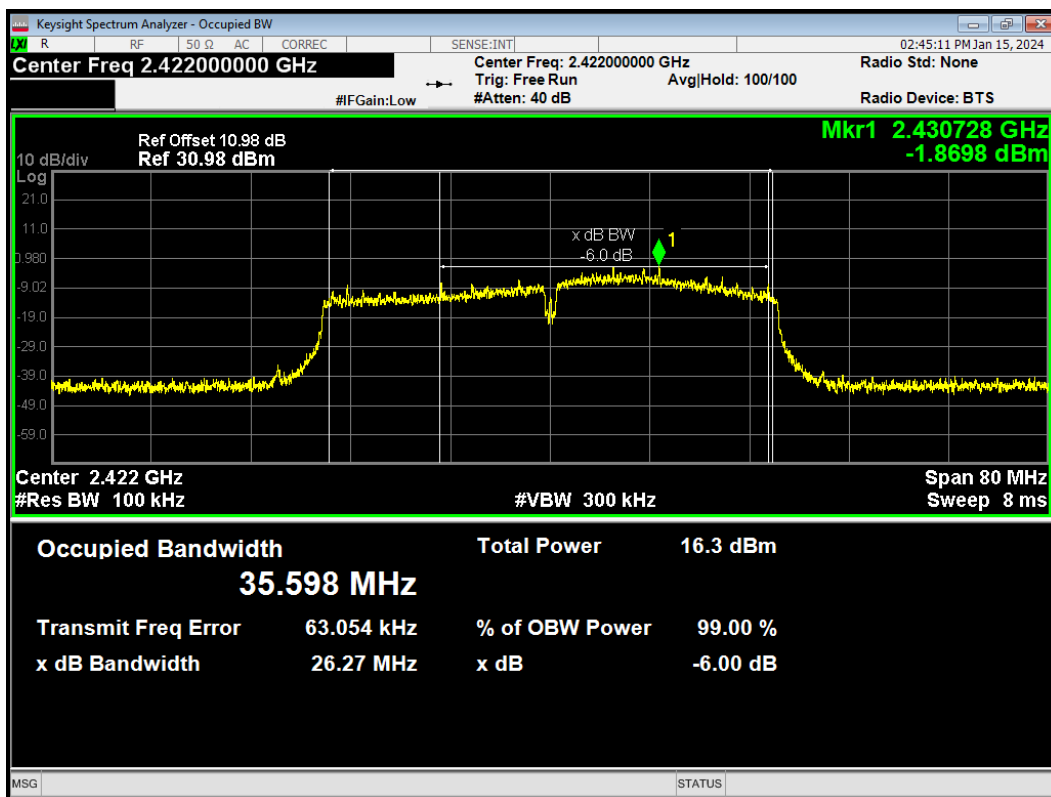
-6dB Bandwidth 802.11n(HT20) 2437MHz



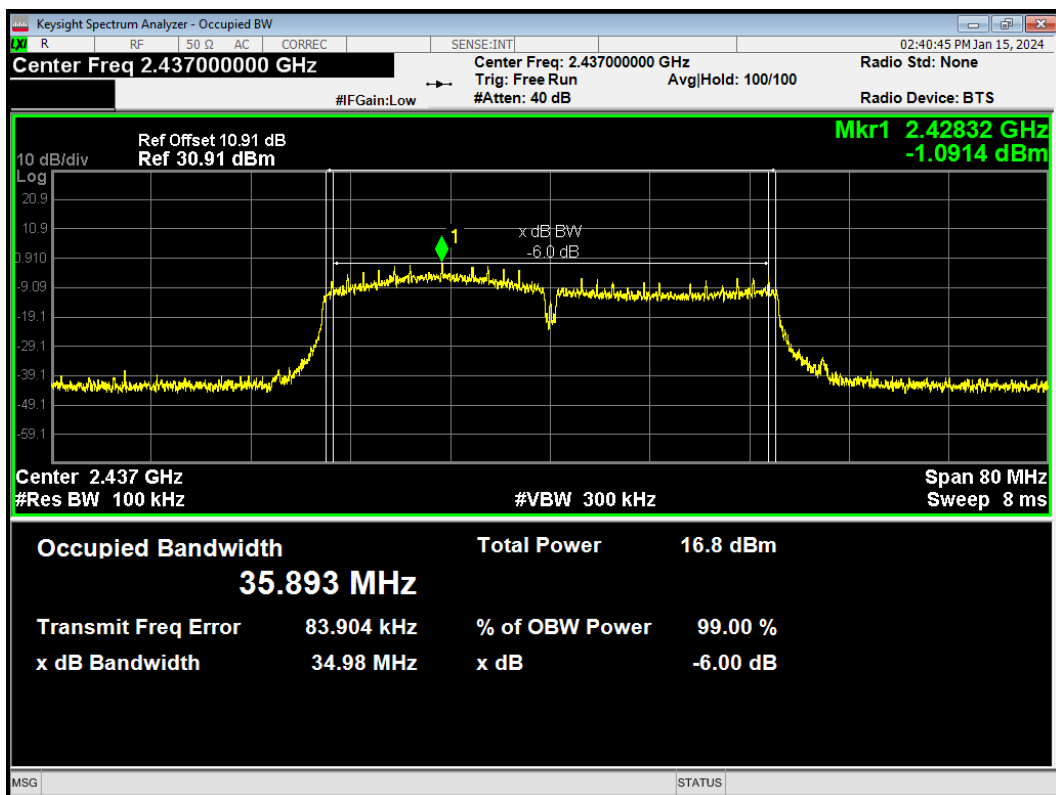
-6dB Bandwidth 802.11n(HT20) 2462MHz



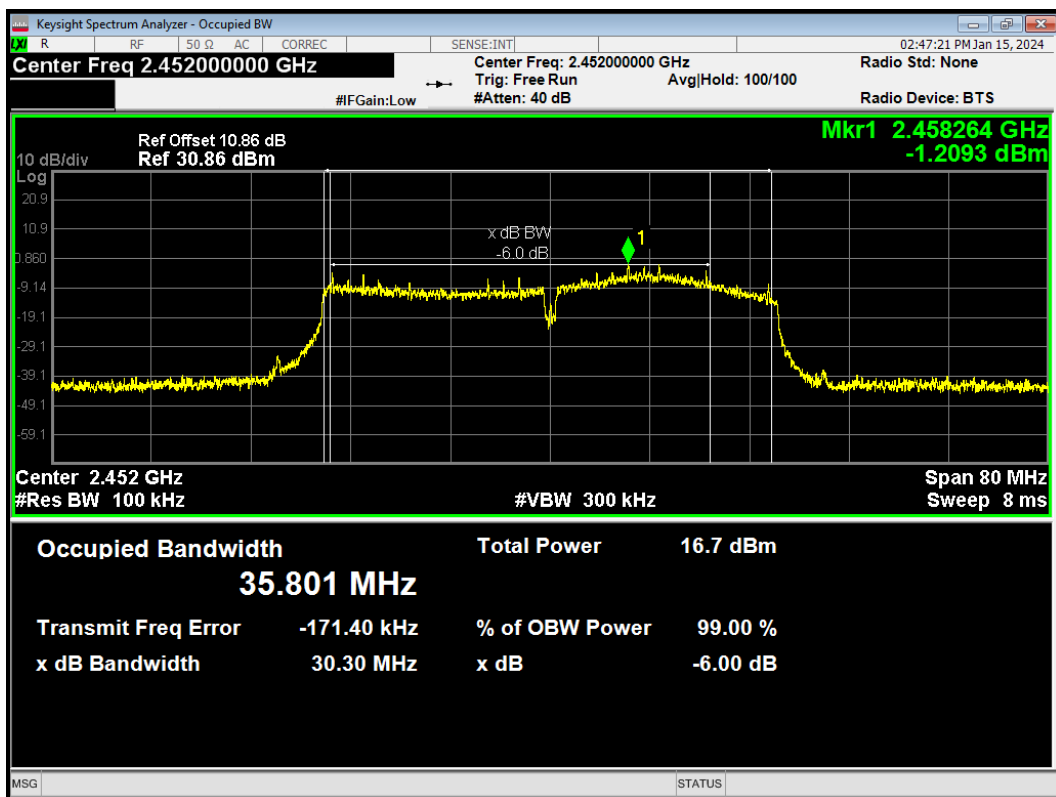
-6dB Bandwidth 802.11n(HT40) 2422MHz



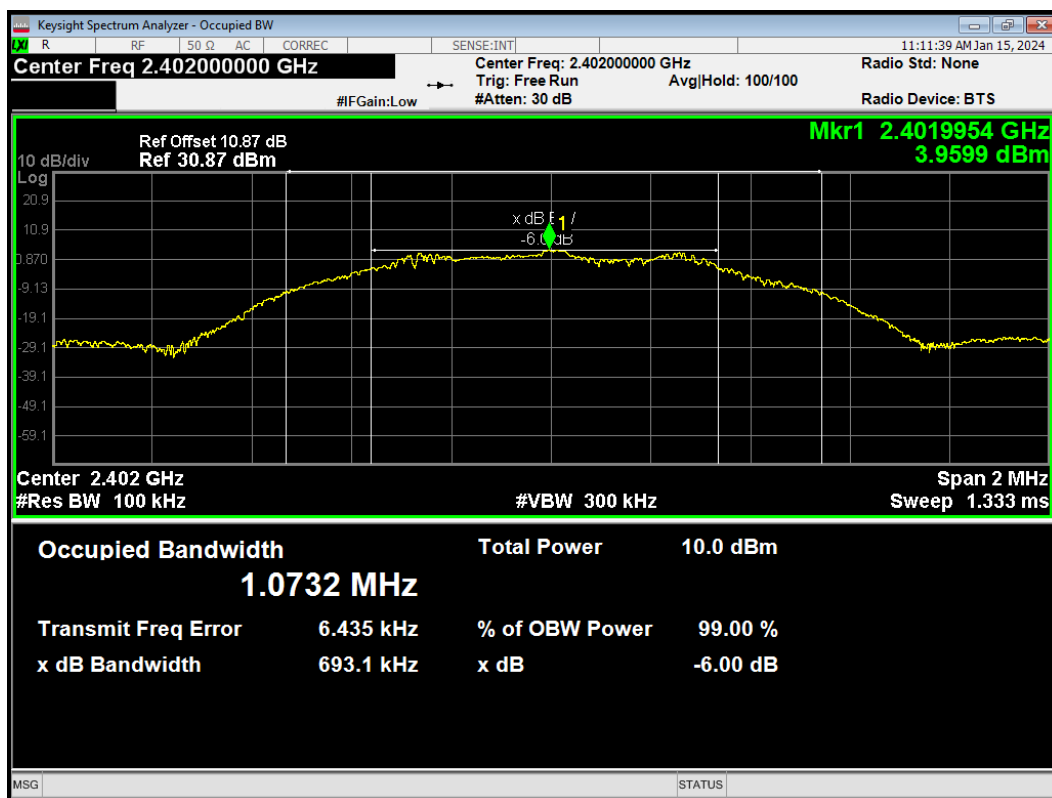
## -6dB Bandwidth 802.11n(HT40) 2437MHz



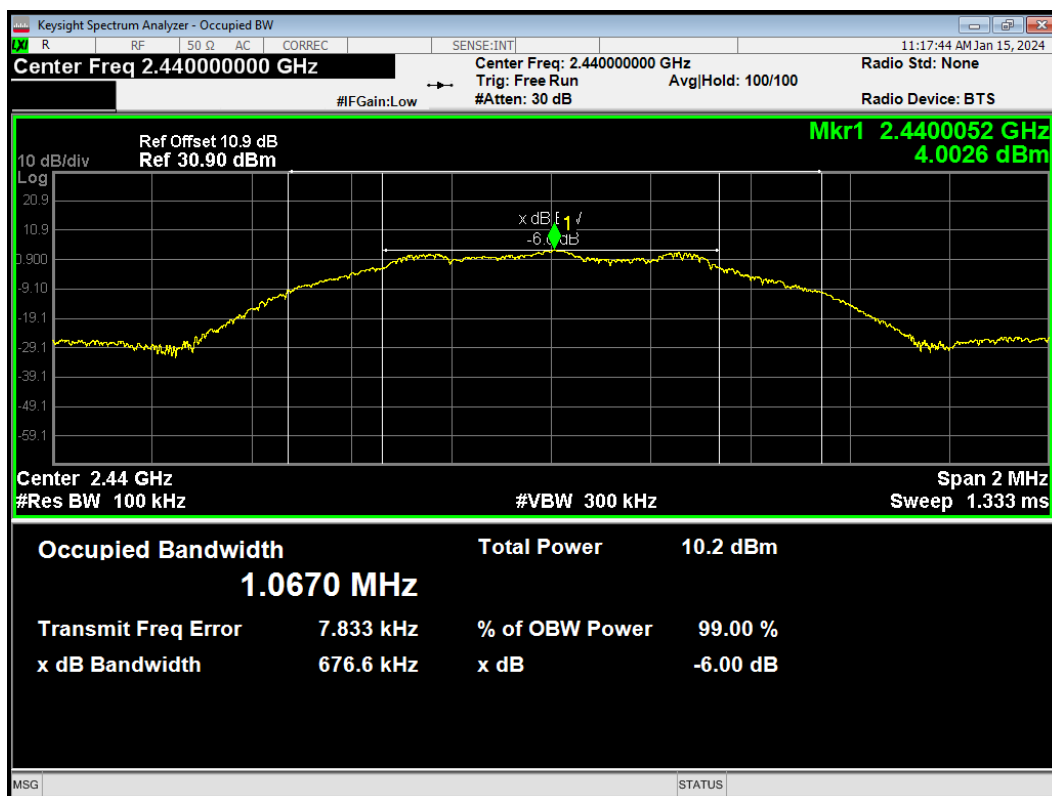
## -6dB Bandwidth 802.11n(HT40) 2452MHz



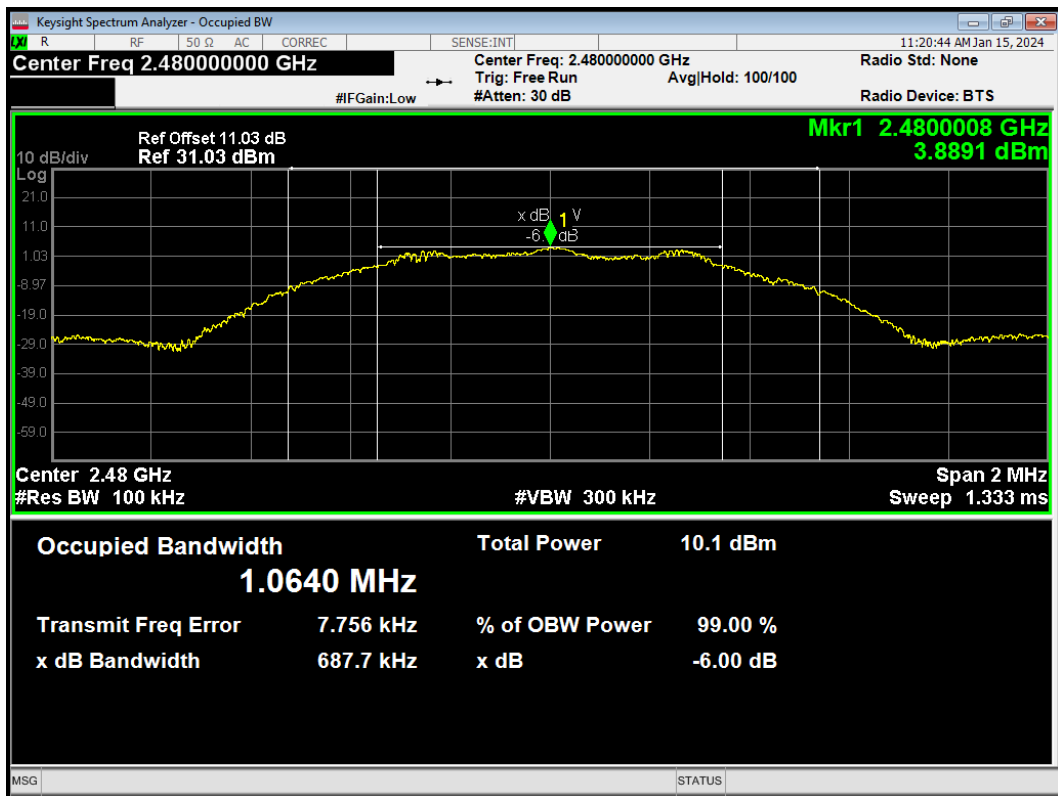
-6dB Bandwidth Bluetooth LE 1M 2402MHz



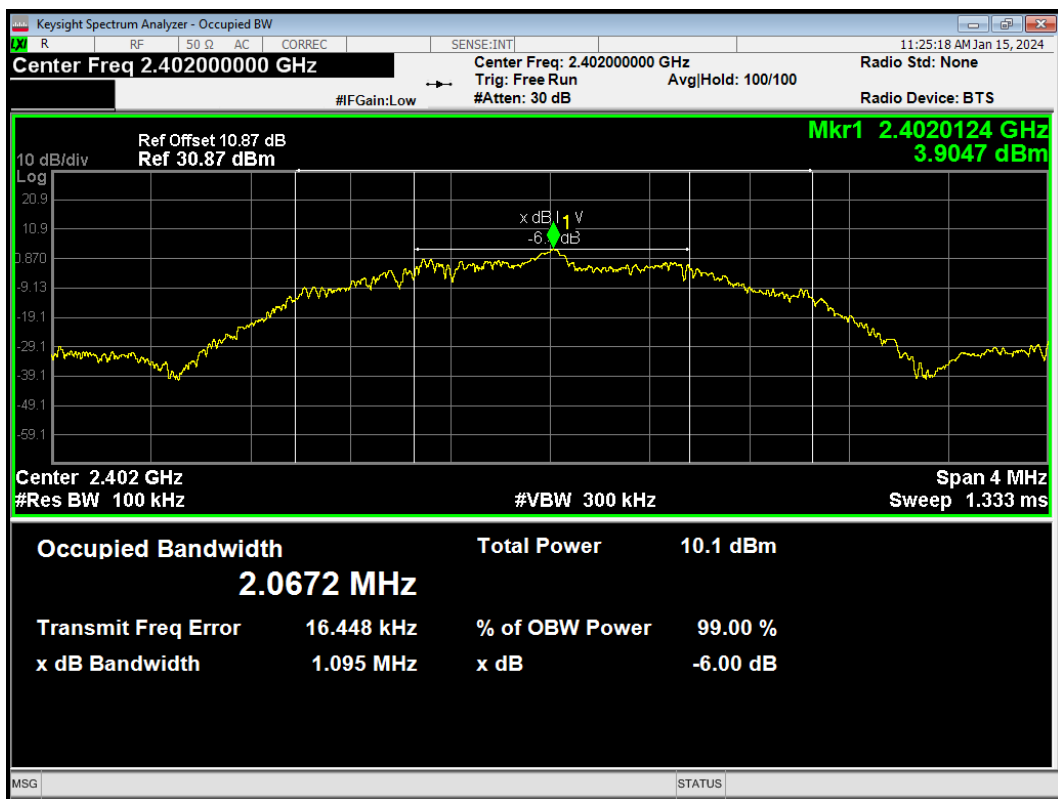
-6dB Bandwidth Bluetooth LE 1M 2440MHz



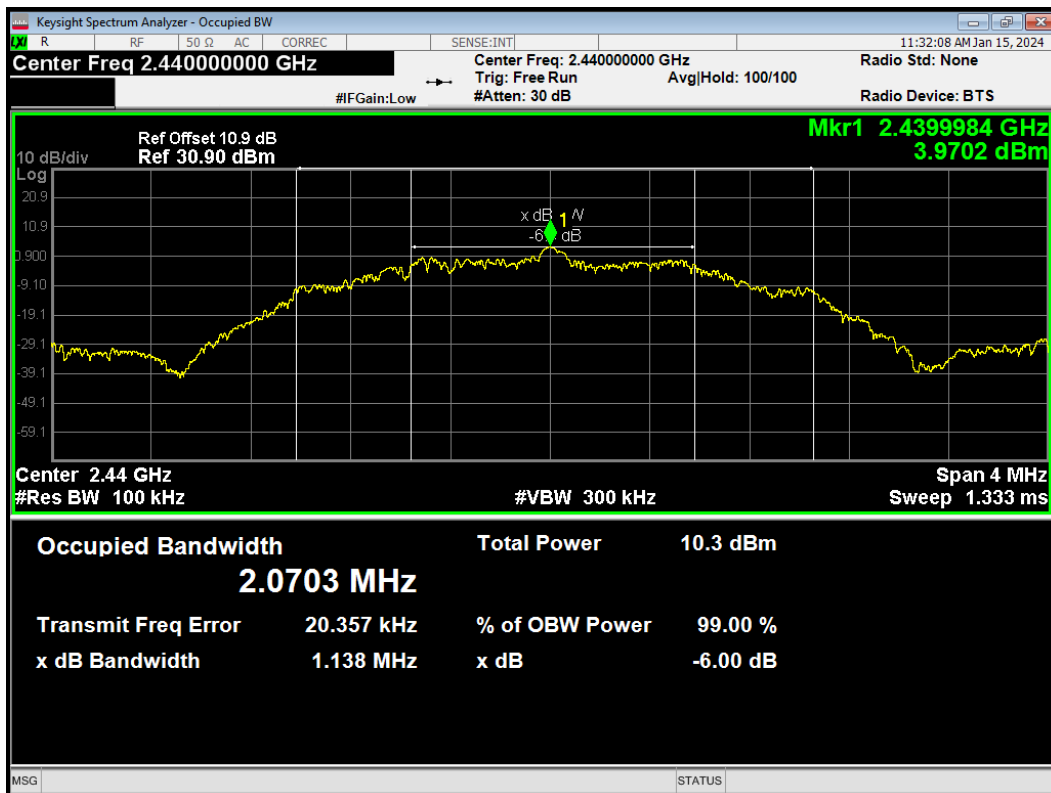
-6dB Bandwidth Bluetooth LE 1M 2480MHz



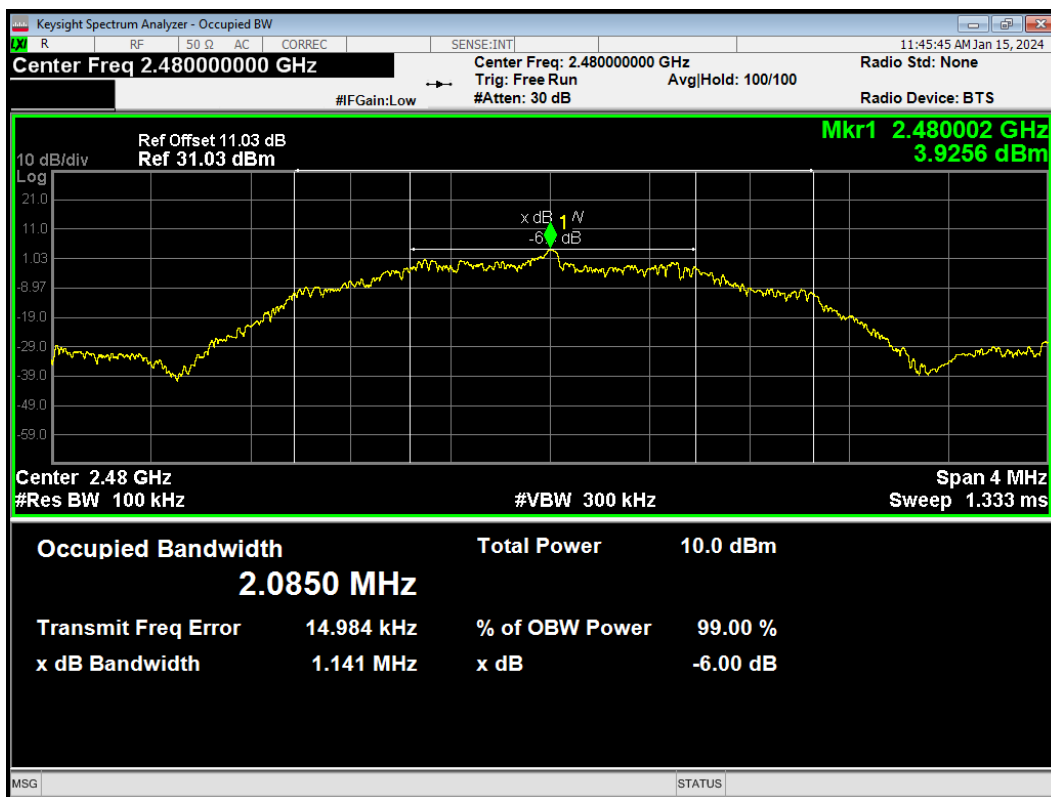
-6dB Bandwidth Bluetooth LE 2M 2402MHz



-6dB Bandwidth Bluetooth LE 2M 2440MHz



-6dB Bandwidth Bluetooth LE 2M 2480MHz



### 5.3. Band Edge

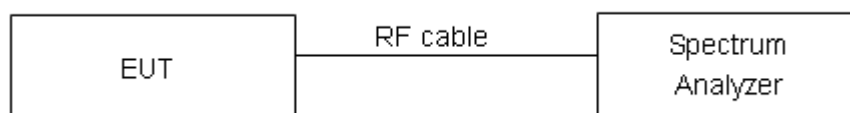
#### Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

#### Method of Measurement

The EUT was connected to the spectrum analyzer through an external attenuator (20dB) and a known loss cable the band edge of the lowest and highest channels were measured. The peak detector is used and RBW is set to 100 kHz and VBW is set to 300 kHz on spectrum analyzer. Spectrum analyzer plots are included on the following pages.

#### Test Setup



#### Limits

Rule Part 15.247(d) specifies that “In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits.” If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.”

#### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ .

Frequency	Uncertainty
2GHz-3GHz	1.407 dB

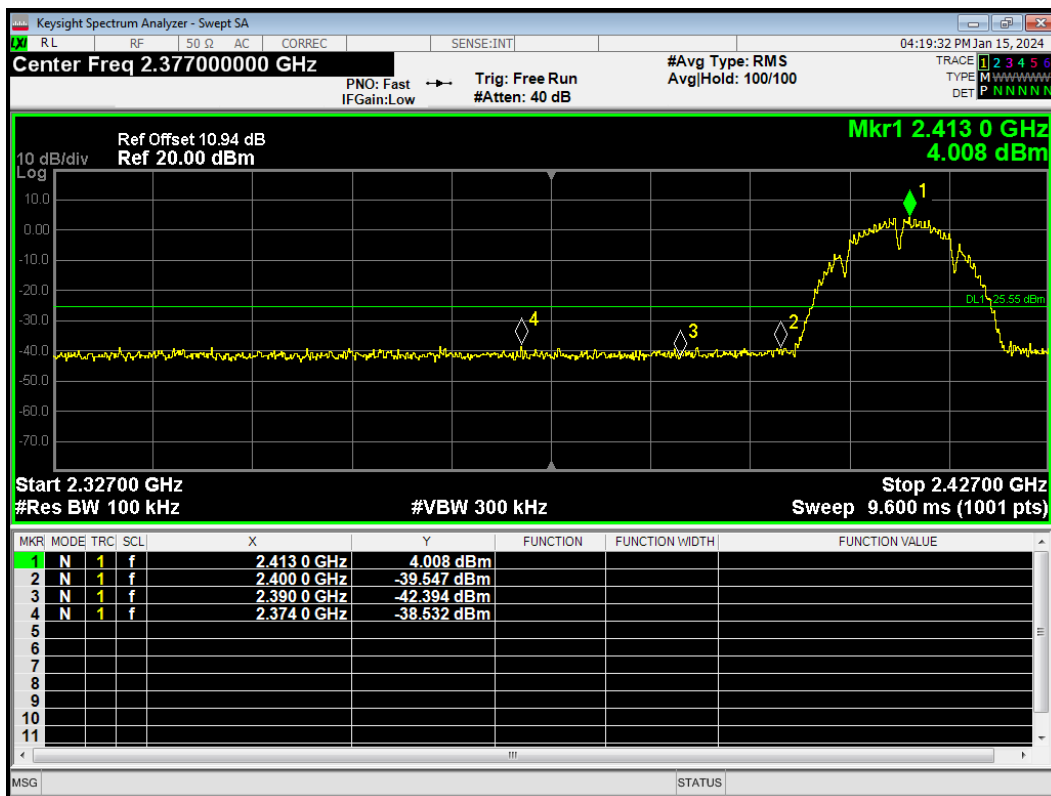


Test Results: PASS

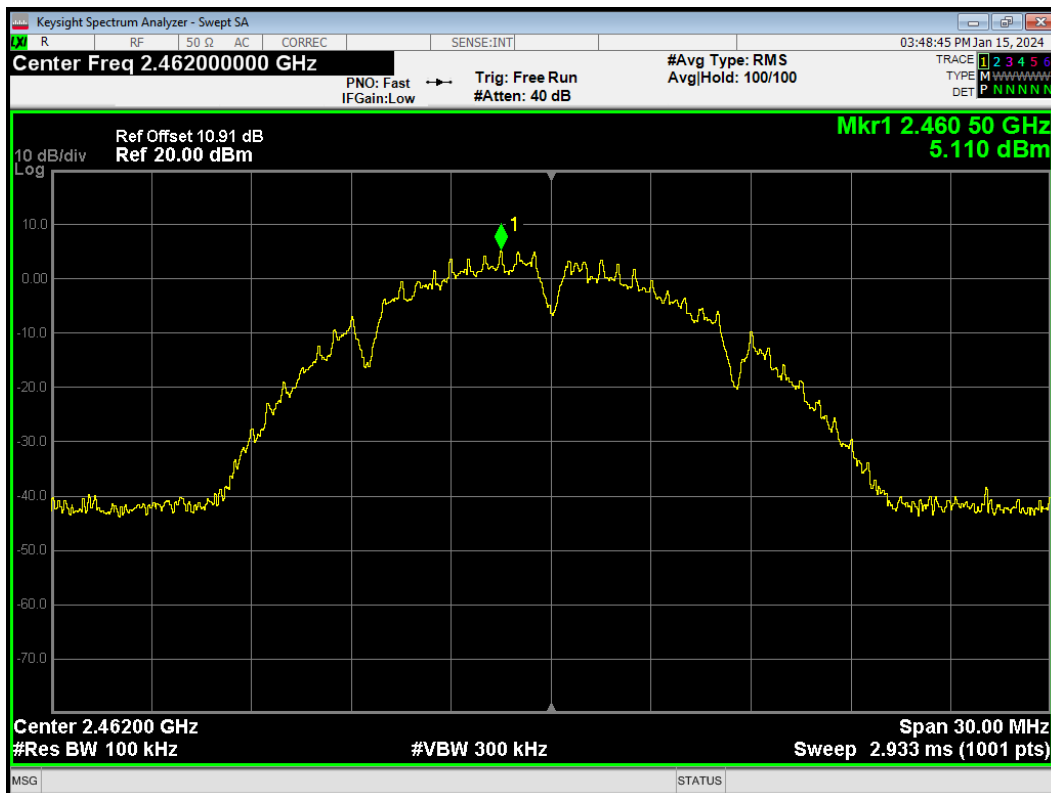
Band Edge 802.11b 2412MHz Ref



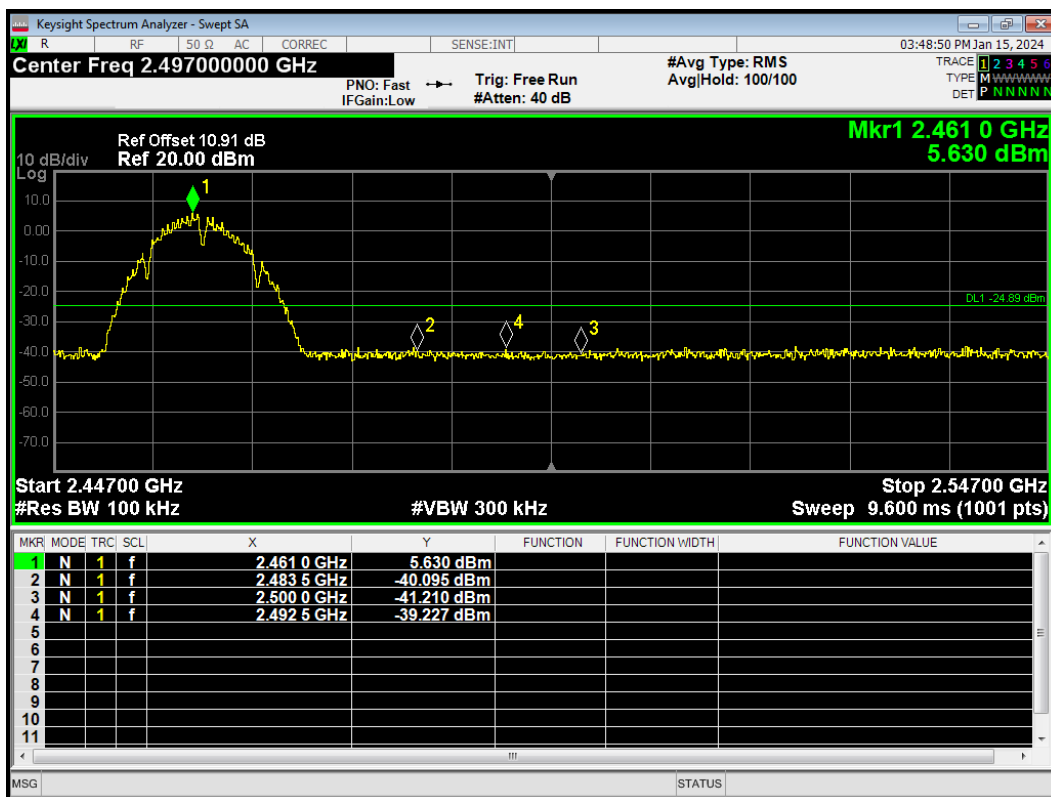
Band Edge 802.11b 2412MHz Emission



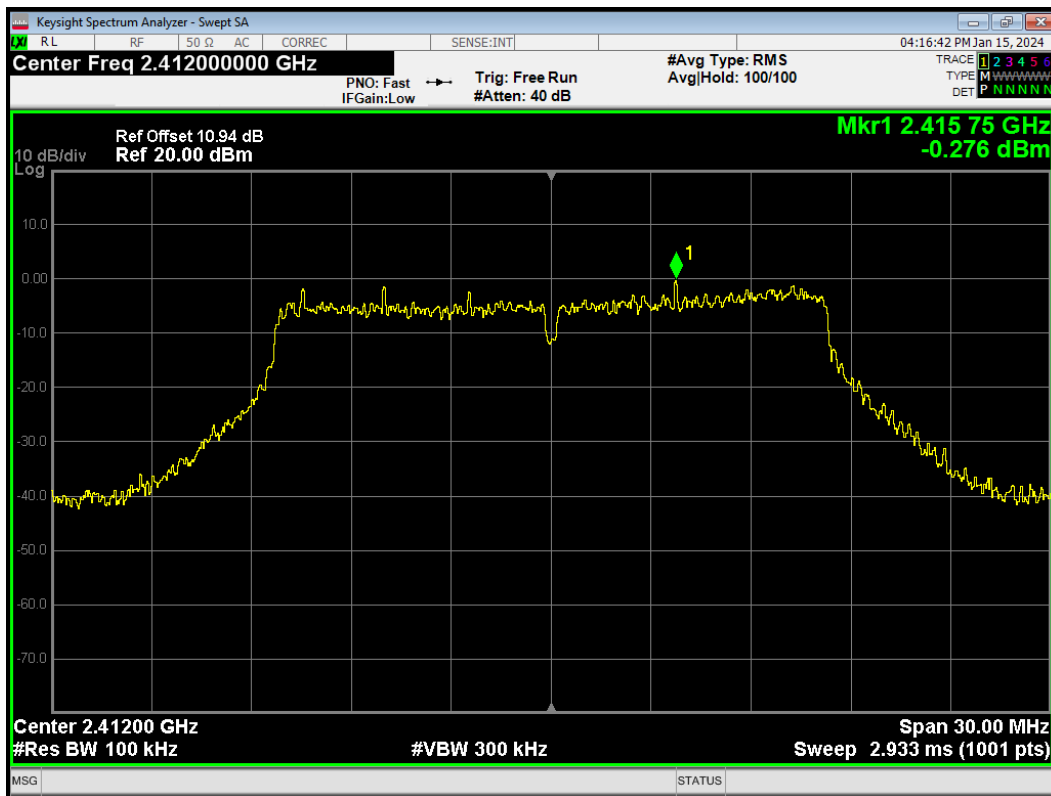
Band Edge 802.11b 2462MHz Ref



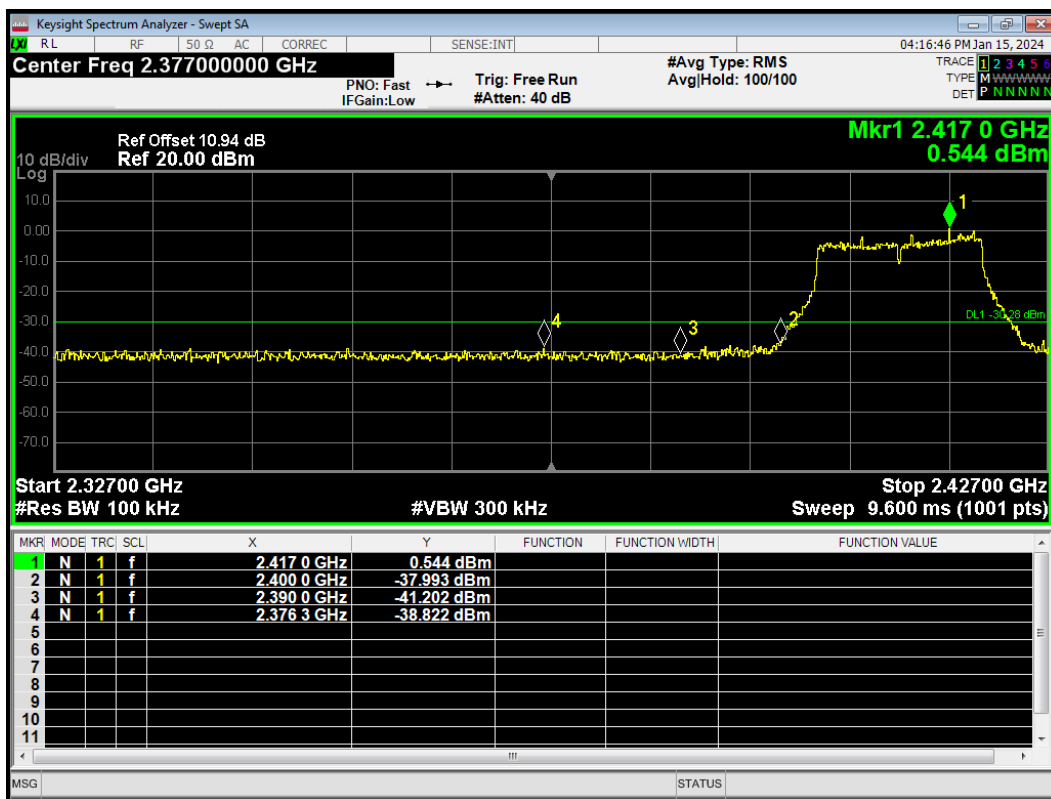
Band Edge 802.11b 2462MHz Emission



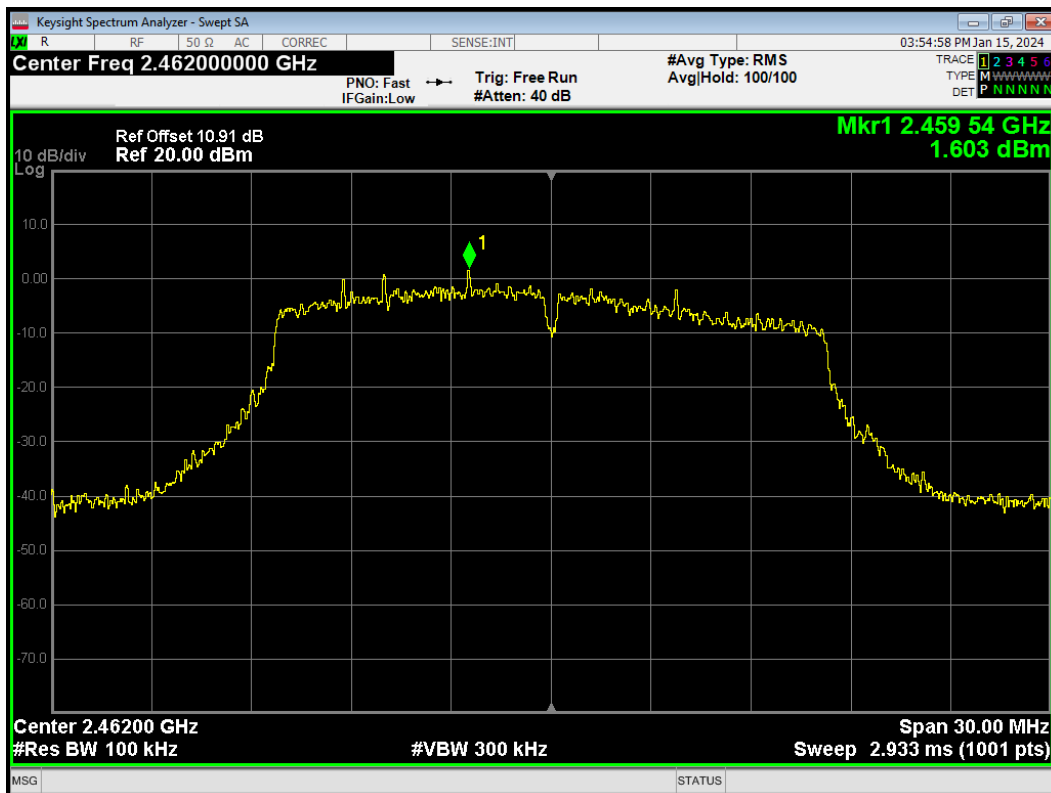
### Band Edge 802.11g 2412MHz Ref



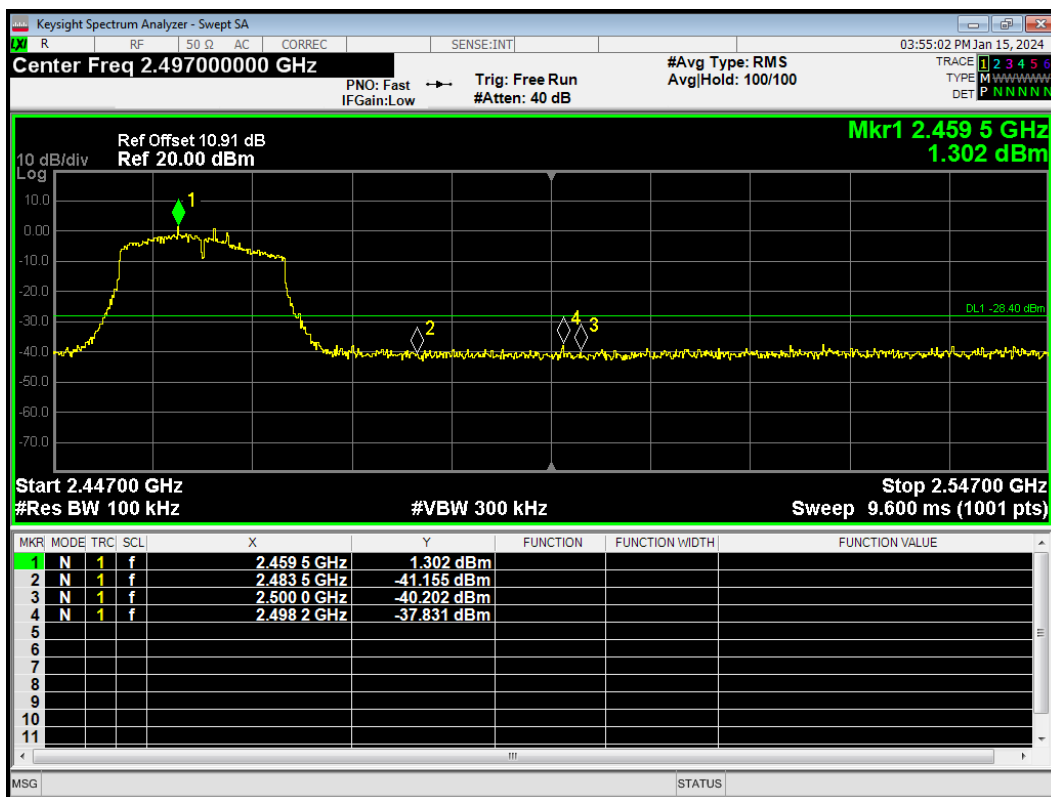
### Band Edge 802.11g 2412MHz Emission



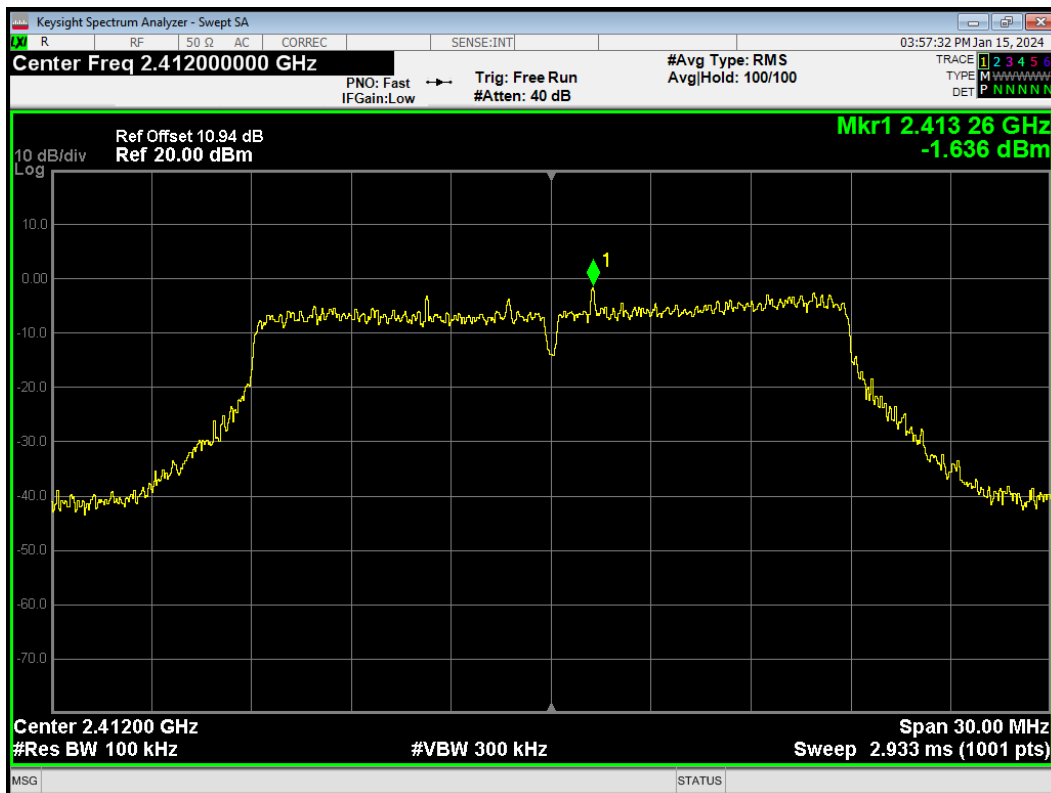
Band Edge 802.11g 2462MHz Ref



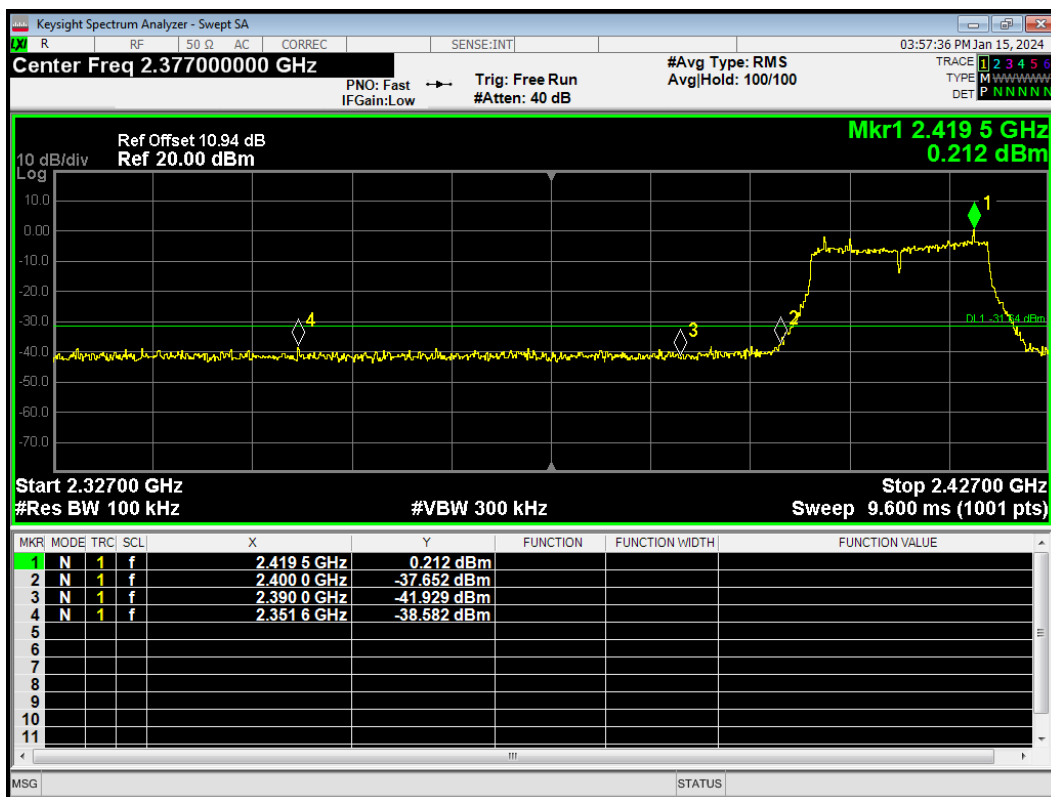
Band Edge 802.11g 2462MHz Emission



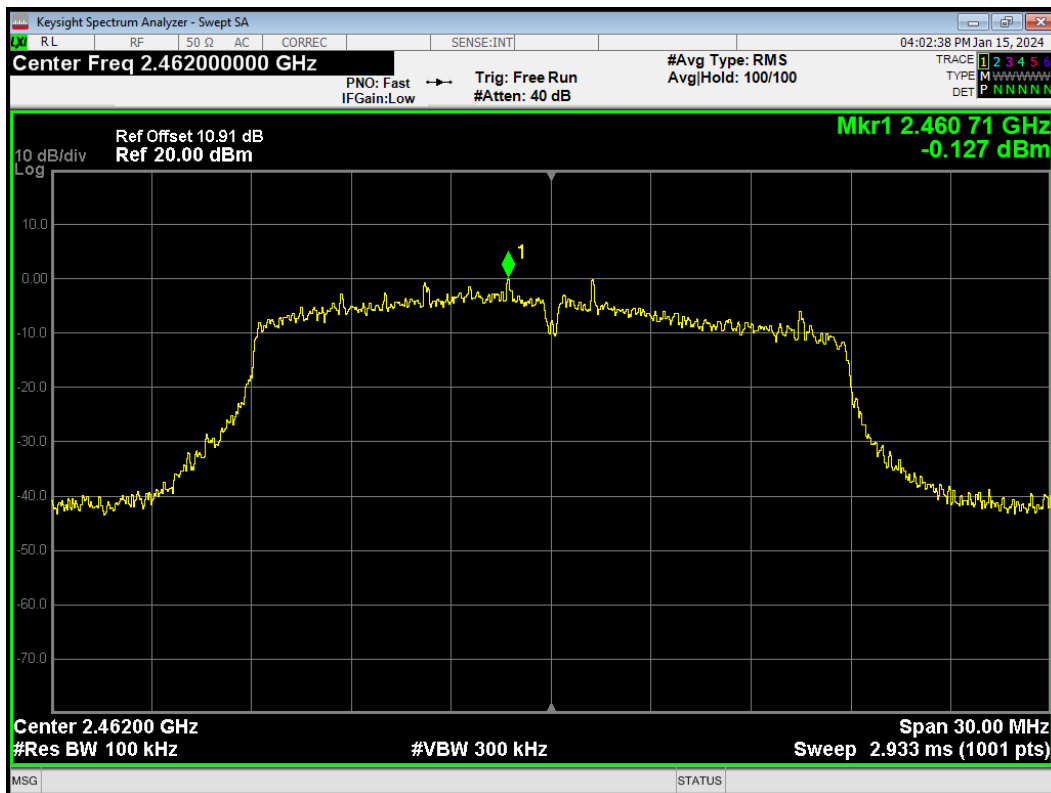
Band Edge 802.11n(HT20) 2412MHz Ref



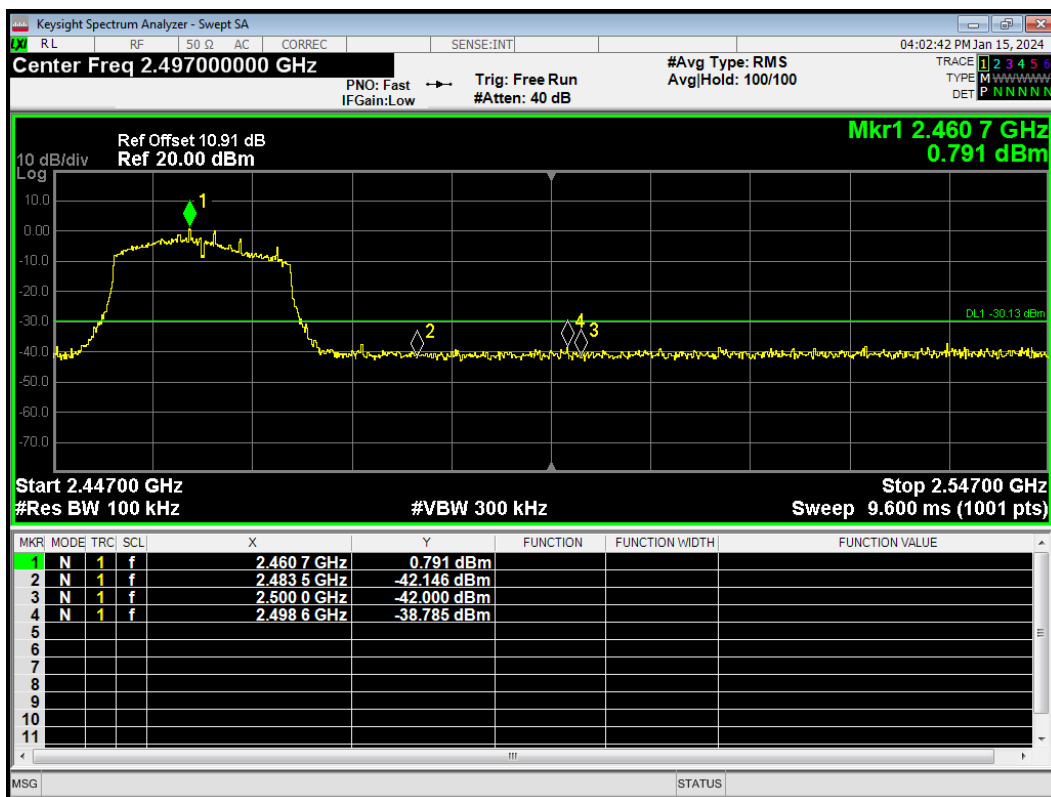
Band Edge 802.11n(HT20) 2412MHz Emission



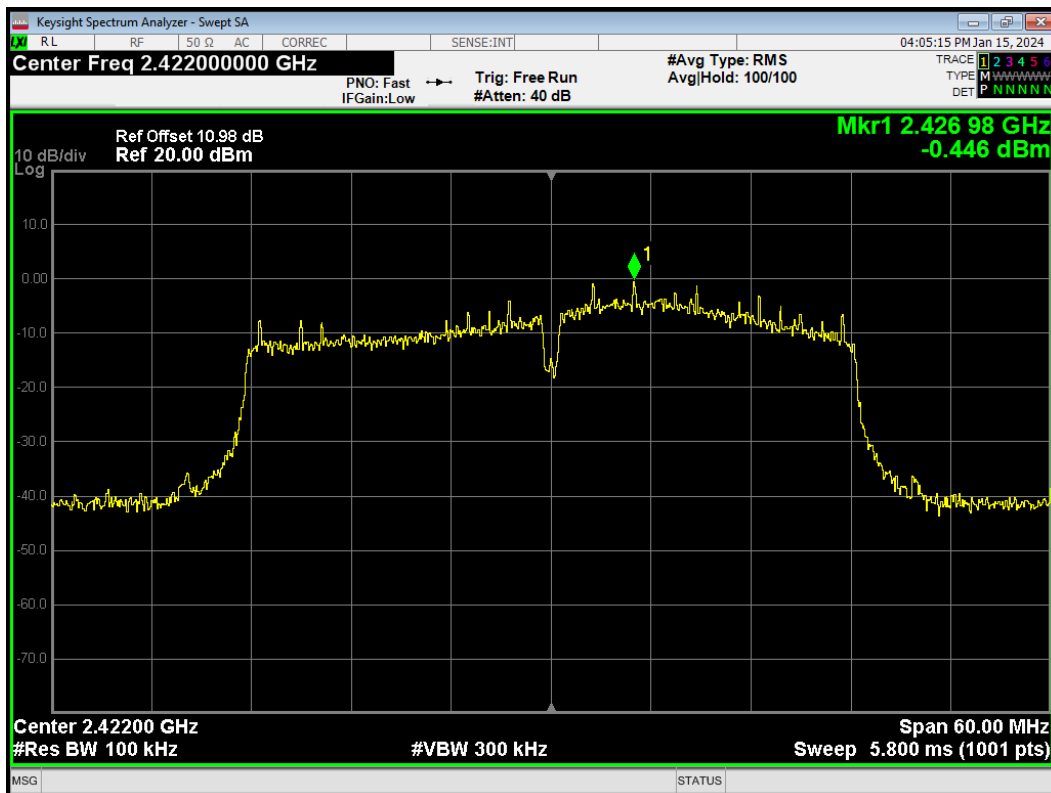
Band Edge 802.11n(HT20) 2462MHz Ref



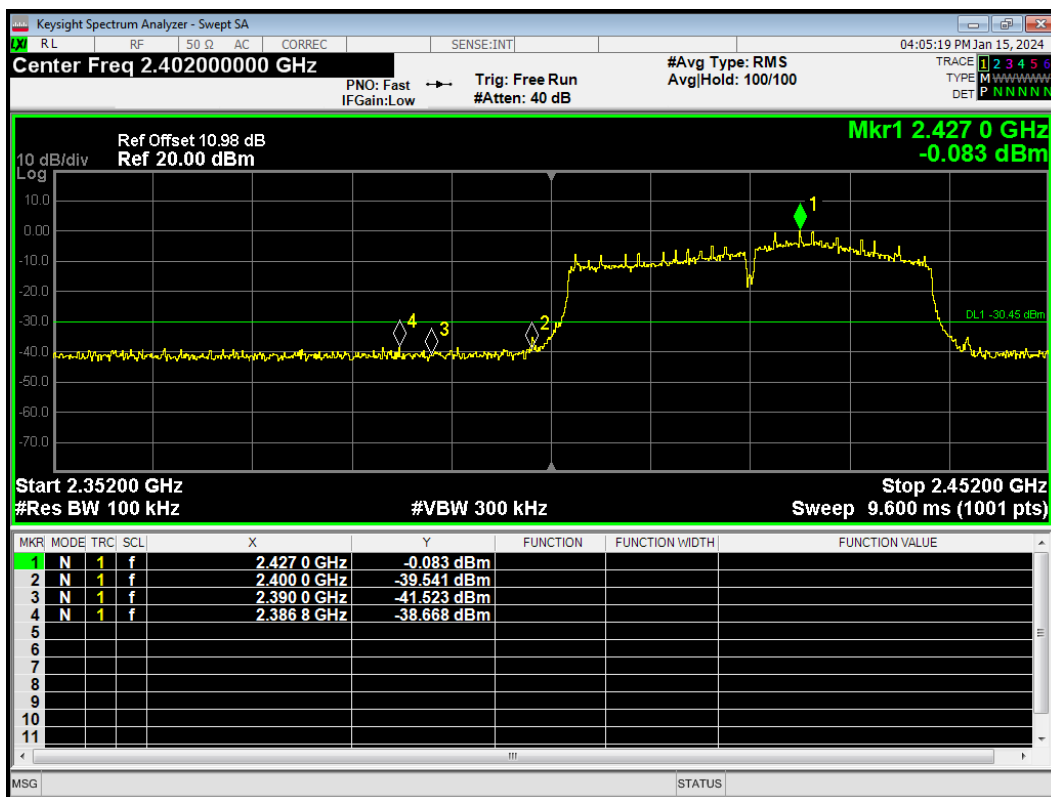
Band Edge 802.11n(HT20) 2462MHz Emission



Band Edge 802.11n(HT40) 2422MHz Ref



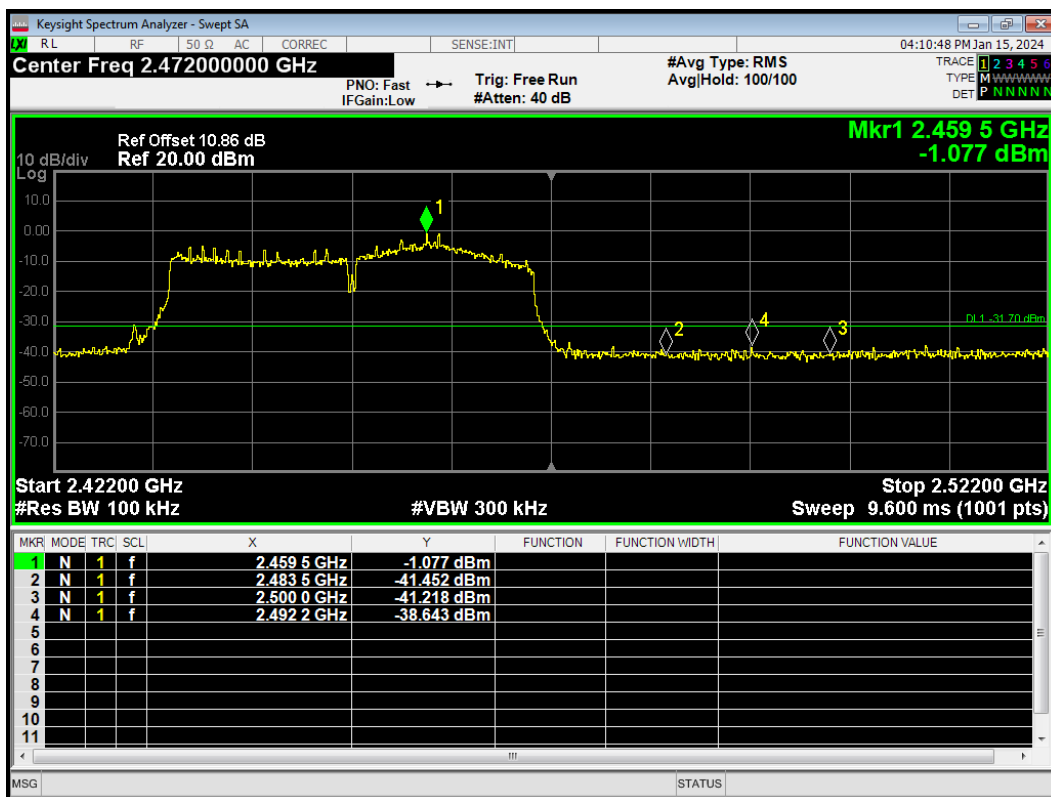
Band Edge 802.11n(HT40) 2422MHz Emission



Band Edge 802.11n(HT40) 2452MHz Ref

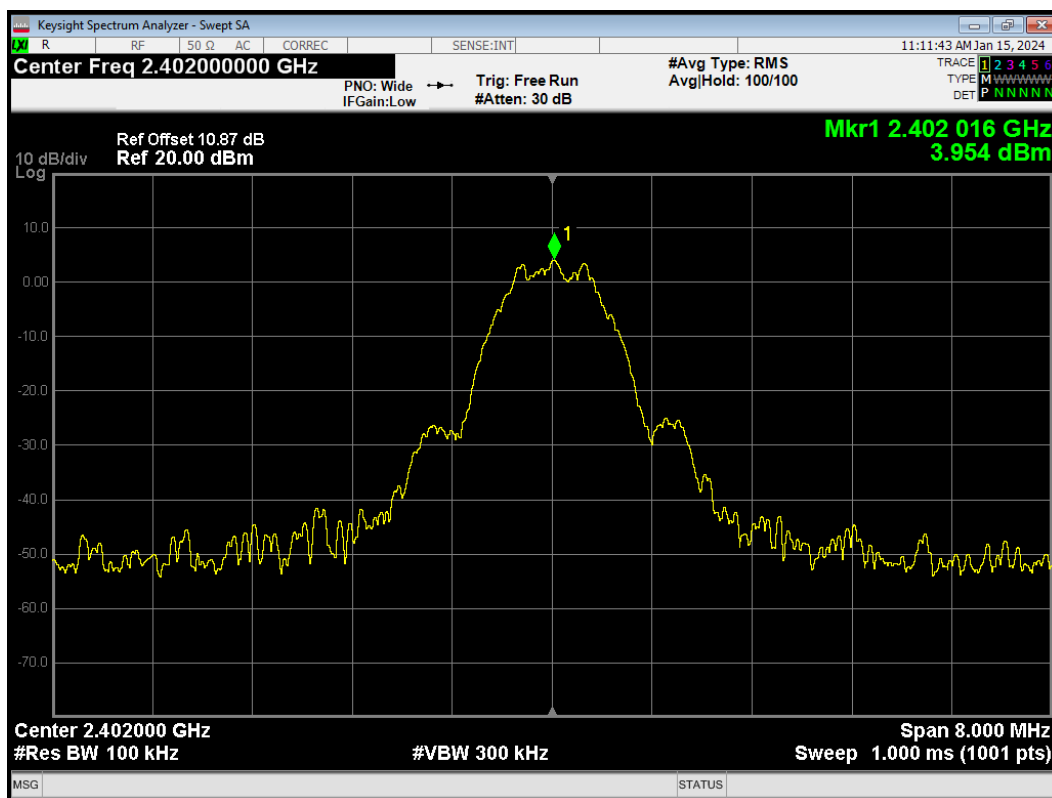


Band Edge 802.11n(HT40) 2452MHz Emission

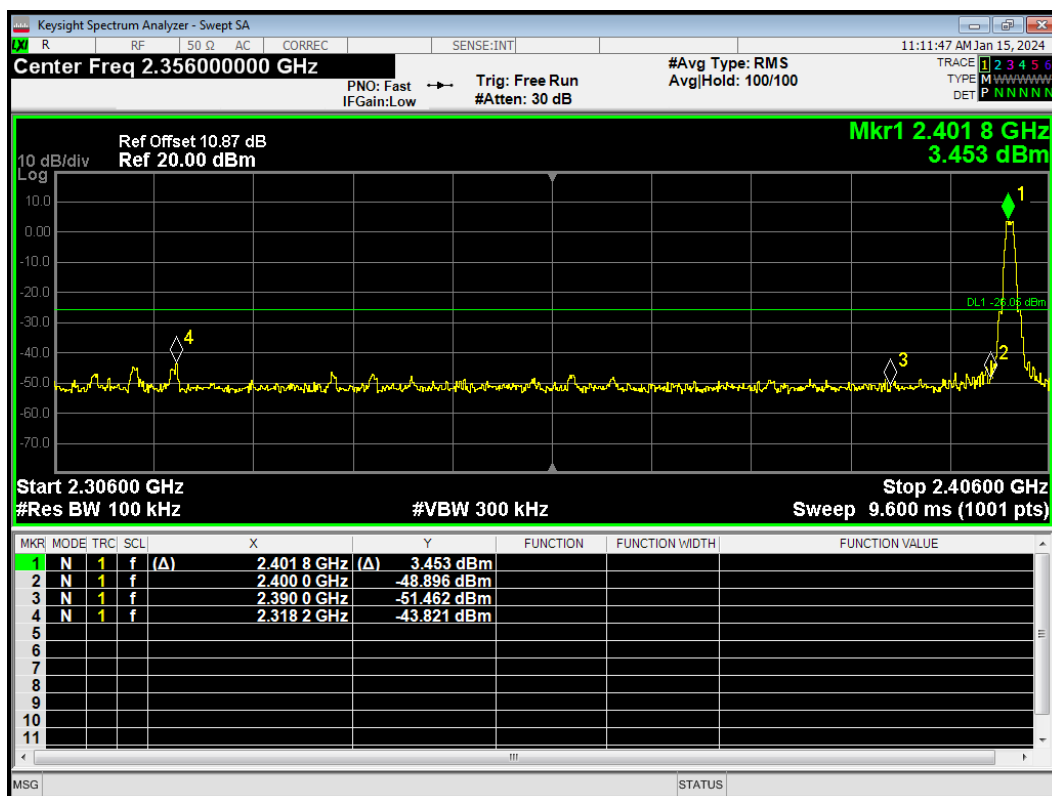




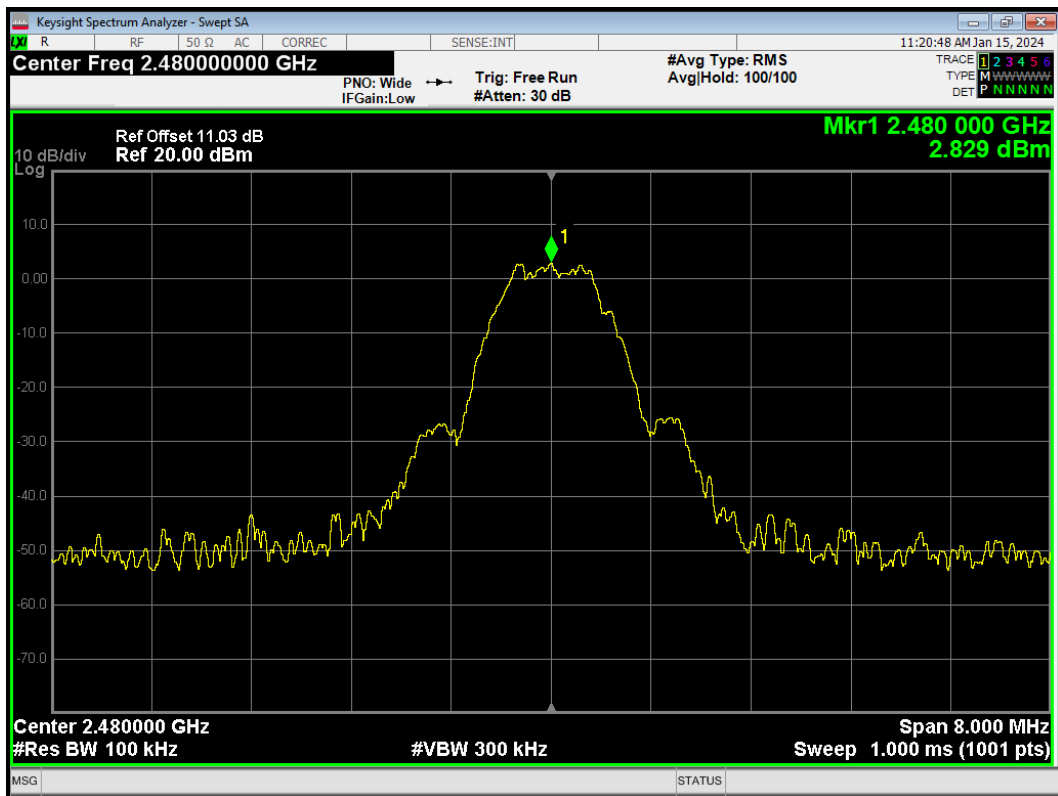
### Band Edge Bluetooth LE 1M 2402MHz Ref



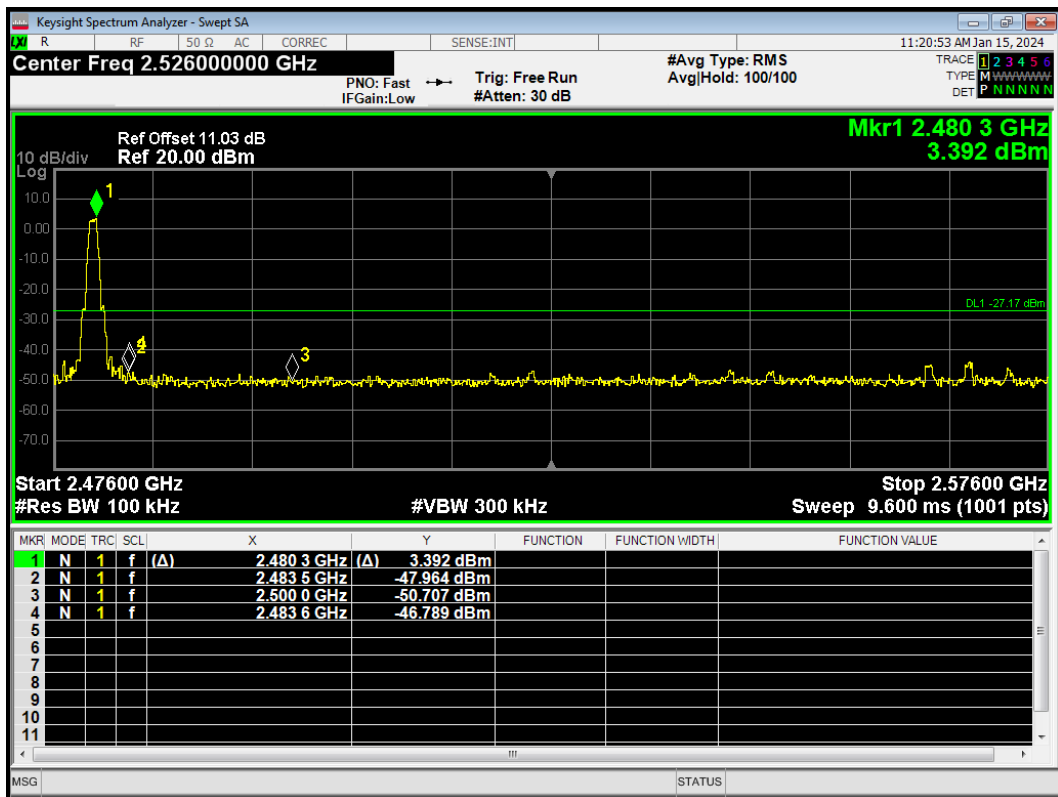
### Band Edge Bluetooth LE 1M 2402MHz Emission



### Band Edge Bluetooth LE 1M 2480MHz Ref



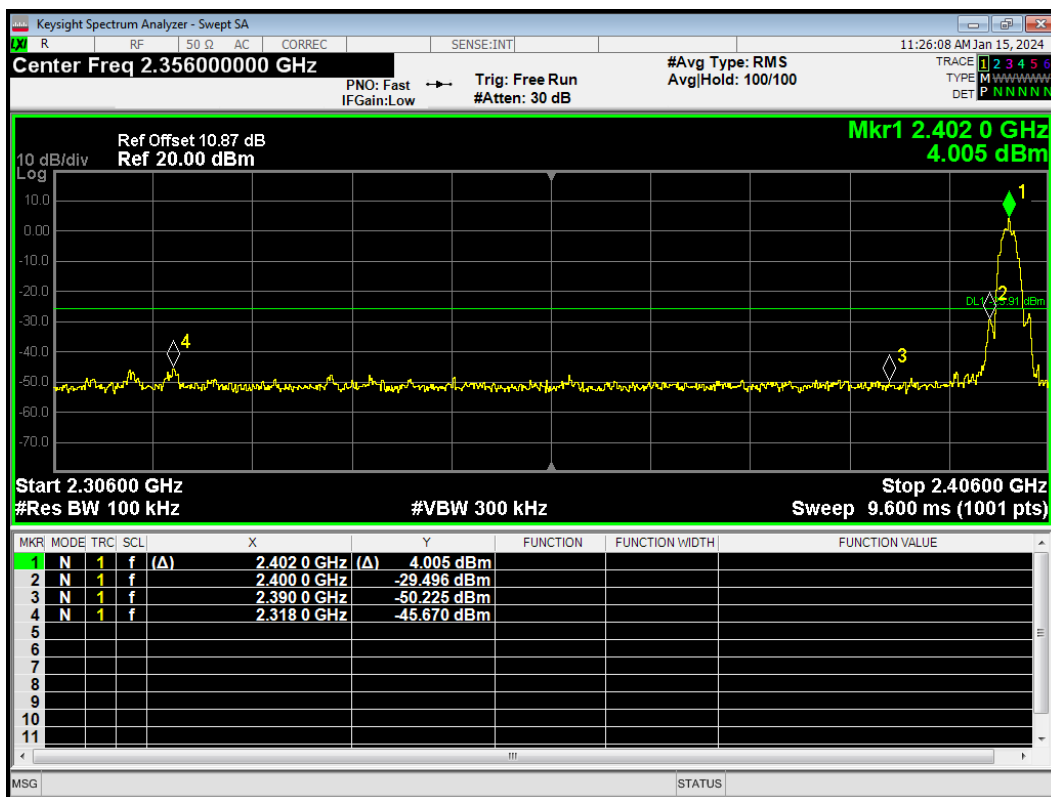
### Band Edge Bluetooth LE 1M 2480MHz Emission



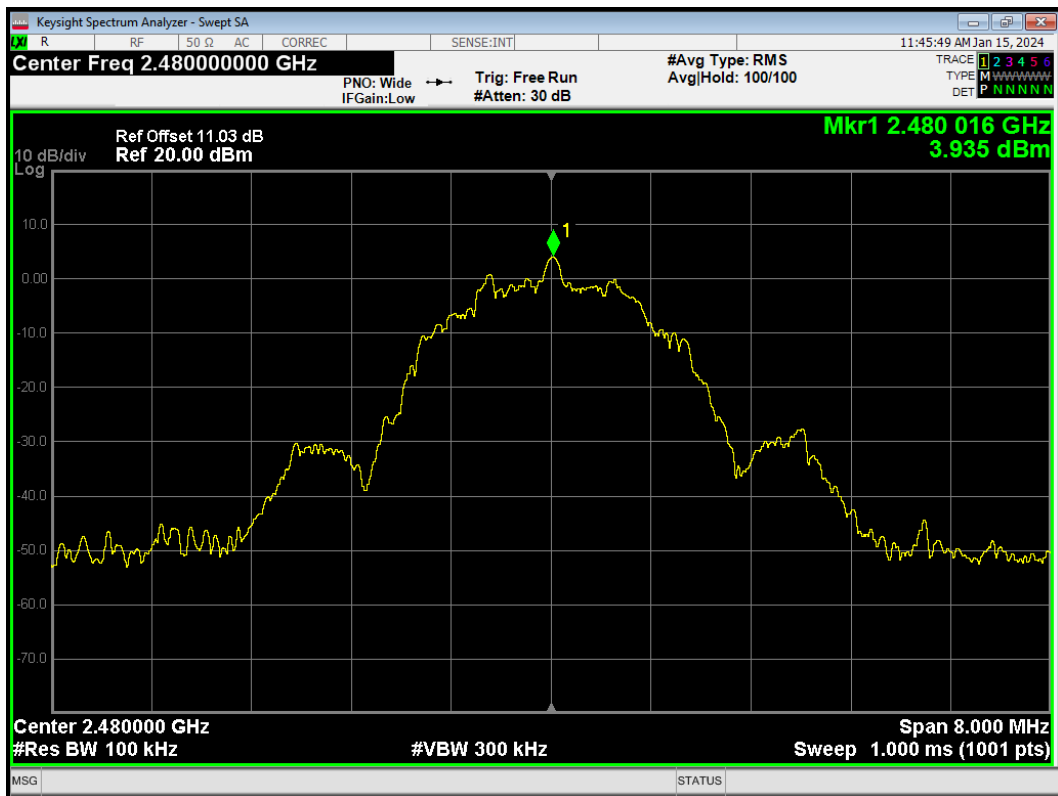
### Band Edge Bluetooth LE 2M 2402MHz Ref



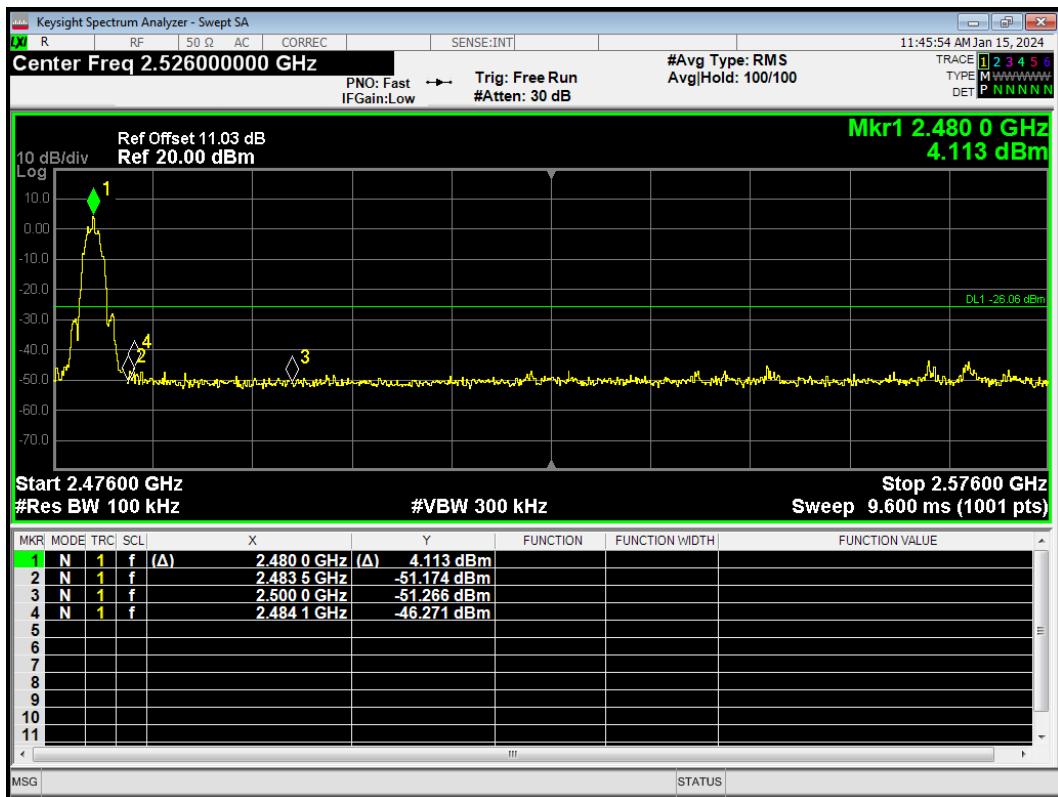
### Band Edge Bluetooth LE 2M 2402MHz Emission



### Band Edge Bluetooth LE 2M 2480MHz Ref



### Band Edge Bluetooth LE 2M 2480MHz Emission



## 5.4. Power Spectral Density

### Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

### Method of Measurement

During the process of the testing, The EUT was connected to Spectrum Analyzer with a known loss. The EUT is max power transmission with proper modulation.

Method AVGPS-1 was used for this test.

- Set instrument center frequency to DTS channel center frequency
- Set span to at least 1.5 times the OBW
- Set RBW to:  $3\text{kHz} \leq \text{RBW} \leq 100\text{kHz}$
- Set VBW  $\geq [3 \times \text{RBW}]$
- Detector=power averaging (rms) or sample detector (when rms not available)
- Ensure that the number of measurement points in the sweep  $\geq [2 \times \text{span}/\text{RBW}]$
- Sweep time auto couple
- Employ trace averaging (rms) mode over a minimum of 100 traces
- Use the peak marker function to determine the maximum amplitude level.
- If the measured value exceeds requirement, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced)

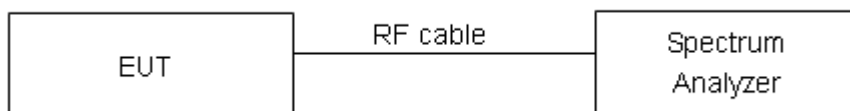
Method AVGPS-2 was used for this test.

- Measure the duty cycle (D) of the transmitter output signal as described in 11.6
- Set instrument center frequency to DTS channel center frequency
- Set span to at least 1.5 times the OBW
- Set RBW to:  $3\text{kHz} \leq \text{RBW} \leq 100\text{kHz}$
- Set VBW  $\geq [3 \times \text{RBW}]$
- Detector= power averaging (rms) or sample detector (when rms not available)
- Ensure that the number of measurement points in the sweep  $\geq [2 \times \text{span}/\text{RBW}]$
- Sweep time =auto couple
- Do not use sweep triggering; allow sweep to "free run"
- Employ trace averaging (rms) mode over a minimum of 100 traces
- Use the peak marker function to determine the maximum amplitude level

l) Add  $[10 \log(1/D)]$ , where D is the duty cycle measured in step a), to the measured PSD to compute the average PSD during the actual transmission time

m) If measured value exceeds requirement specified by regulatory agency then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced)

### Test setup



### Limits

Rule Part 15.247(e) specifies that "For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission. "

Limits	$\leq 8 \text{ dBm} / 3\text{kHz}$
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### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 2$ ,  $U = 0.75\text{dB}$ .

**Test Results:**

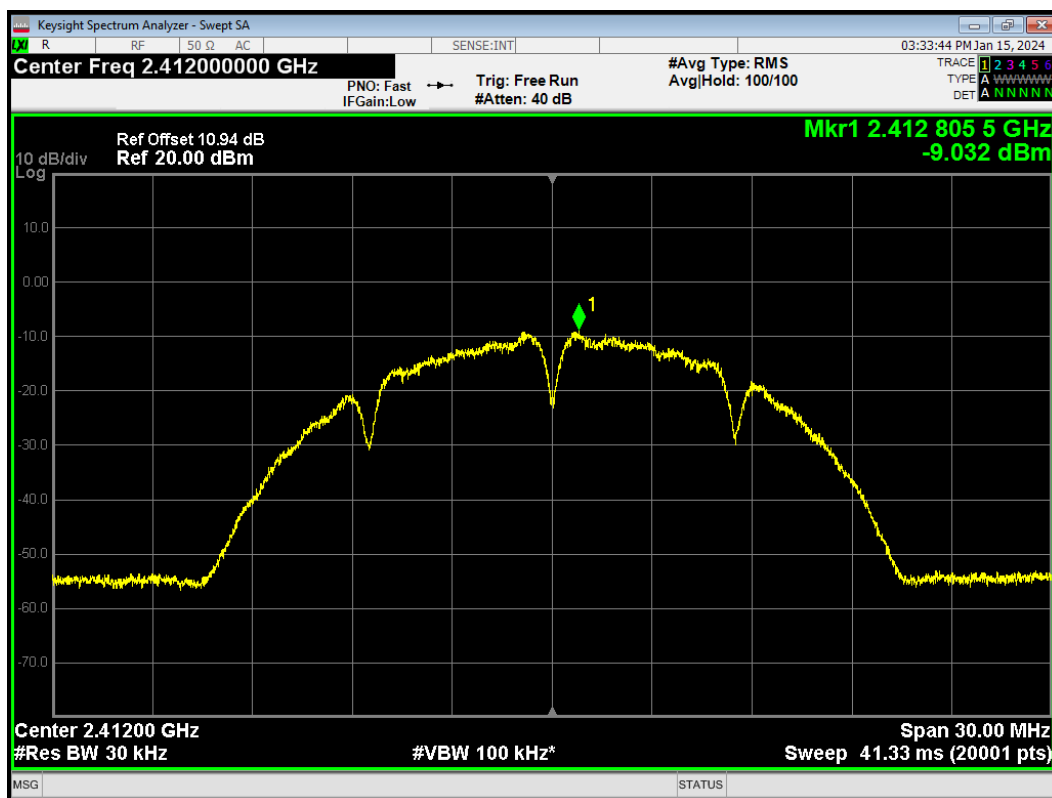
Test Mode	Carrier frequency (MHz) / Channel	Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Conclusion
802.11b	2412/CH 1	-9.03	-19.03	8	PASS
	2437/CH 6	-8.74	-18.74	8	PASS
	2462/CH11	-7.23	-17.23	8	PASS
802.11g	2412/CH 1	-11.92	-21.81	8	PASS
	2437/CH 6	-10.72	-20.61	8	PASS
	2462/CH11	-11.00	-20.89	8	PASS
802.11n HT20	2412/CH 1	-13.62	-23.50	8	PASS
	2437/CH 6	-11.92	-21.80	8	PASS
	2462/CH11	-12.42	-22.30	8	PASS
802.11n HT40	2422/CH3	-13.29	-22.89	8	PASS
	2437/CH6	-14.73	-24.33	8	PASS
	2452/CH9	-14.40	-24.00	8	PASS

Note: Power Spectral Density (dBm/3kHz) =Read Value+Duty cycle correction factor + 10\*log10(3/30)

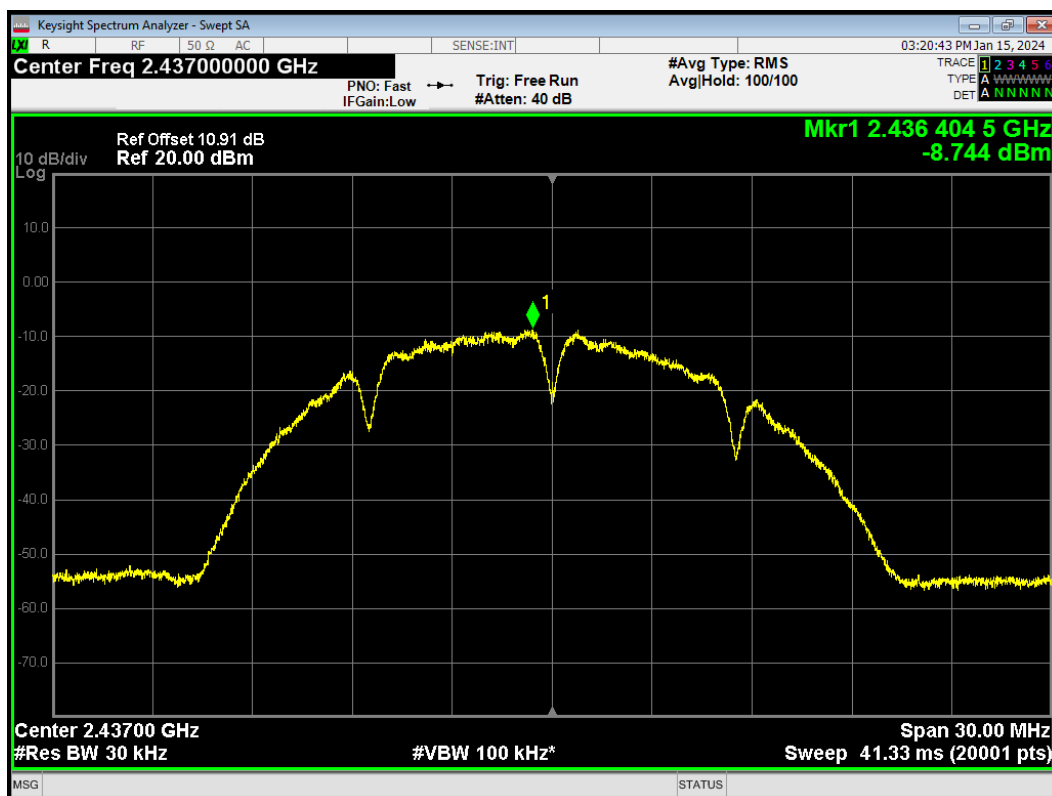
Test Mode	Carrier frequency (MHz) / Channel	Read Value (dBm / 3kHz)	Power Spectral Density (dBm / 3kHz)	Limit (dBm / 3kHz)	Conclusion
Bluetooth (Low Energy) (1M)	2402/CH0	-15.64	-13.65	8	PASS
	2440/CH19	-15.94	-13.95	8	PASS
	2480/CH39	-15.96	-13.97	8	PASS
Bluetooth (Low Energy) (2M)	2402/CH0	-19.88	-15.12	8	PASS
	2440/CH19	-20.01	-15.25	8	PASS
	2480/CH39	-19.68	-14.92	8	PASS

Note: Power Spectral Density =Read Value+Duty cycle correction factor

PSD 802.11b 2412MHz

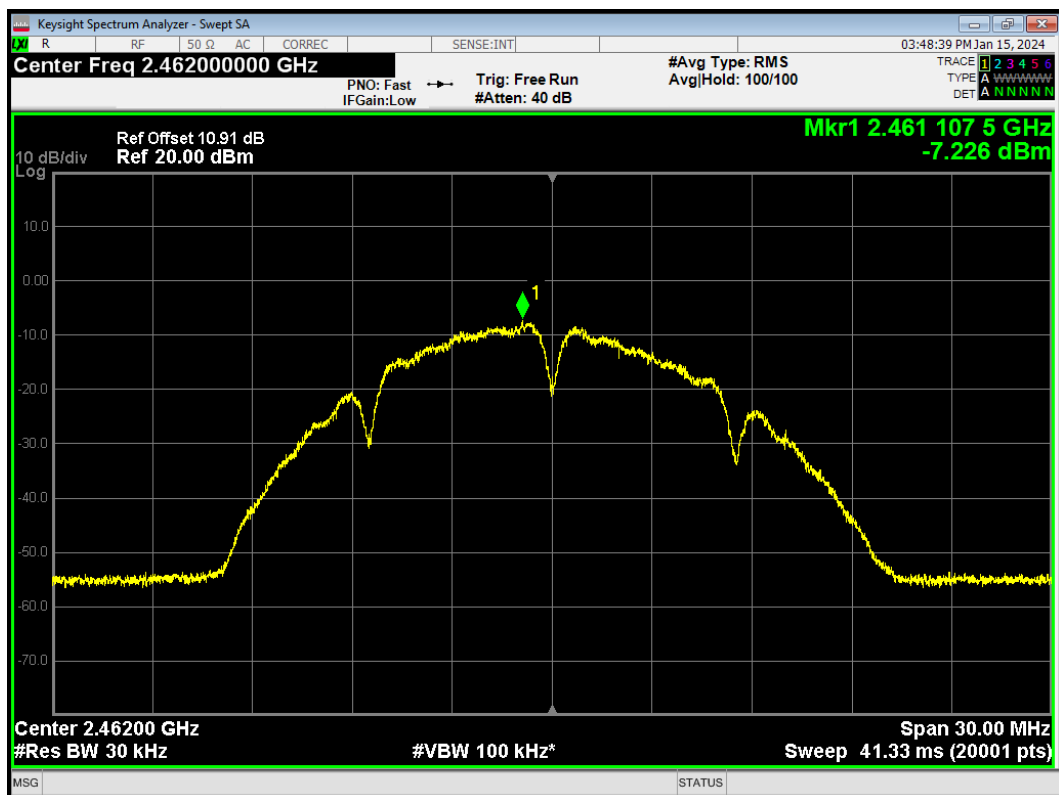


PSD 802.11b 2437MHz

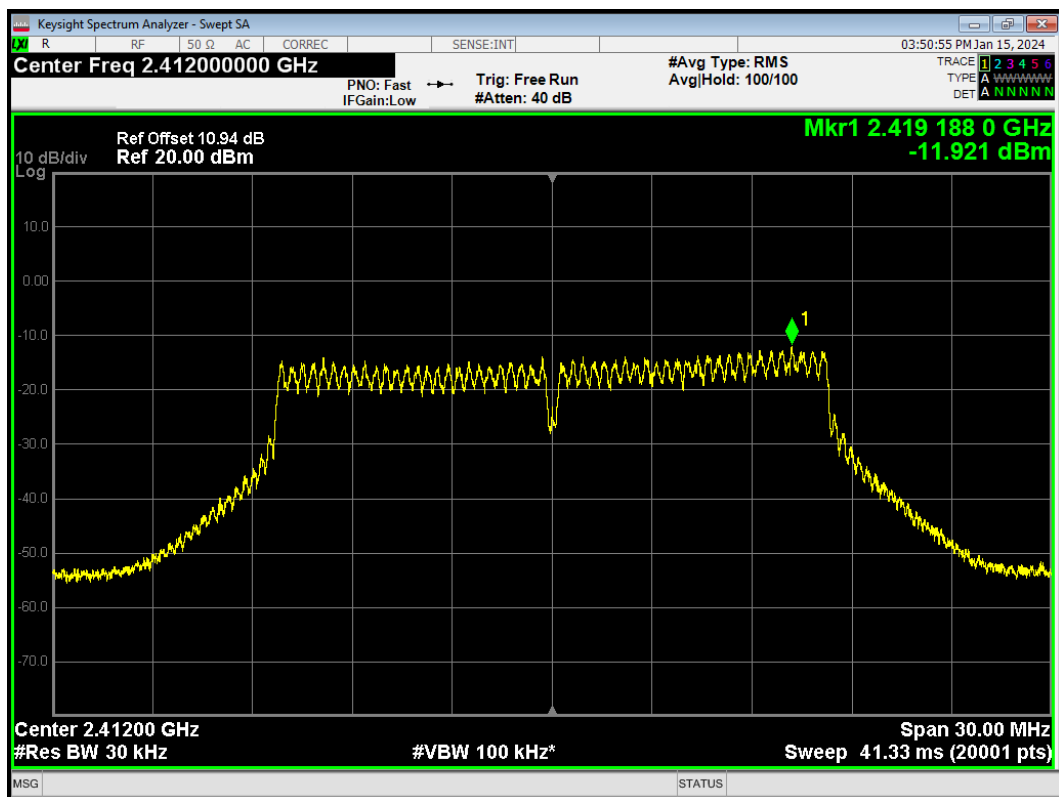




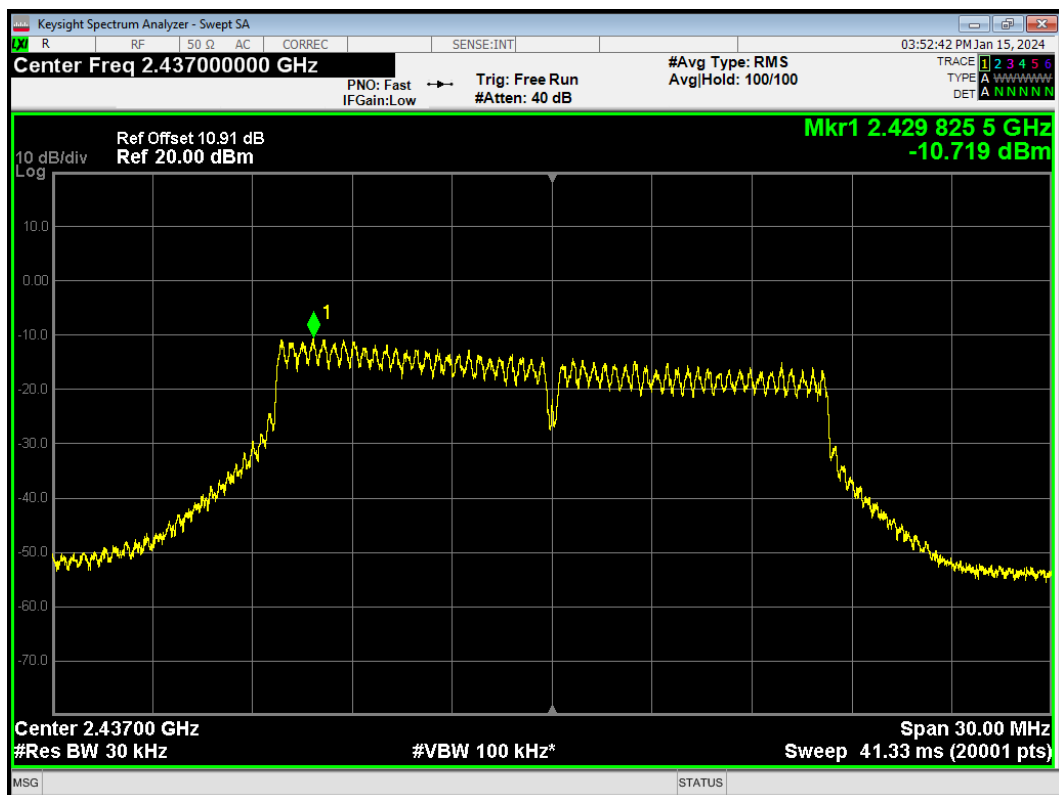
PSD 802.11b 2462MHz



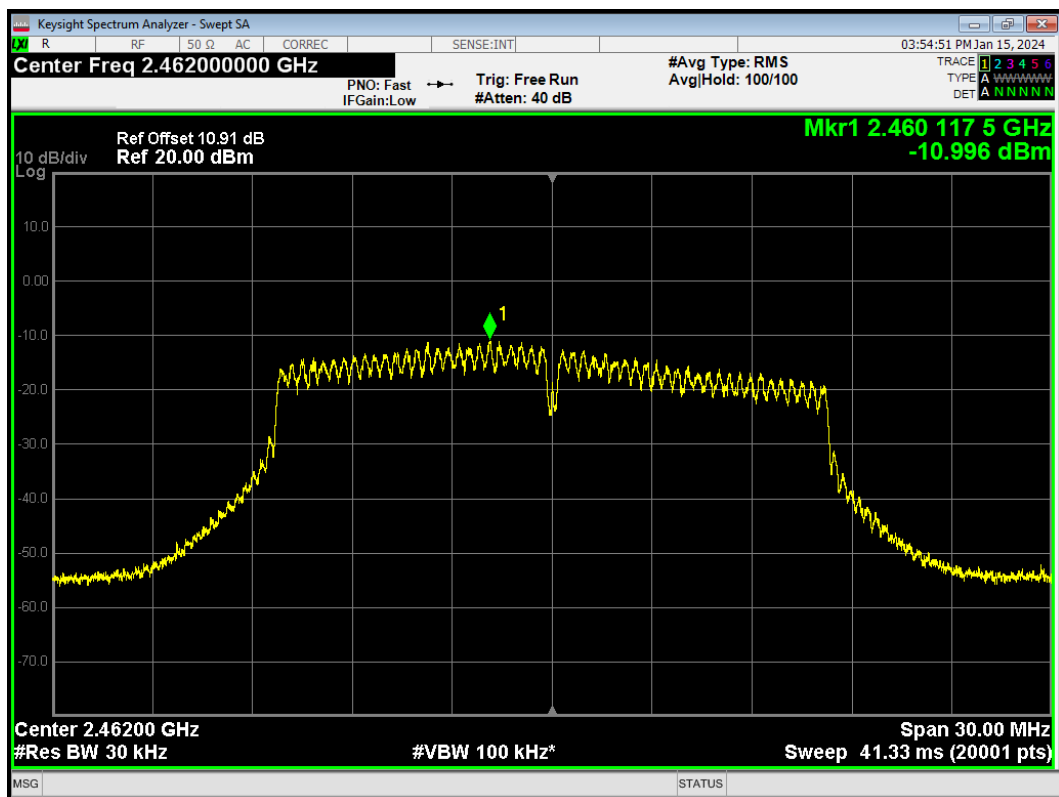
PSD 802.11g 2412MHz



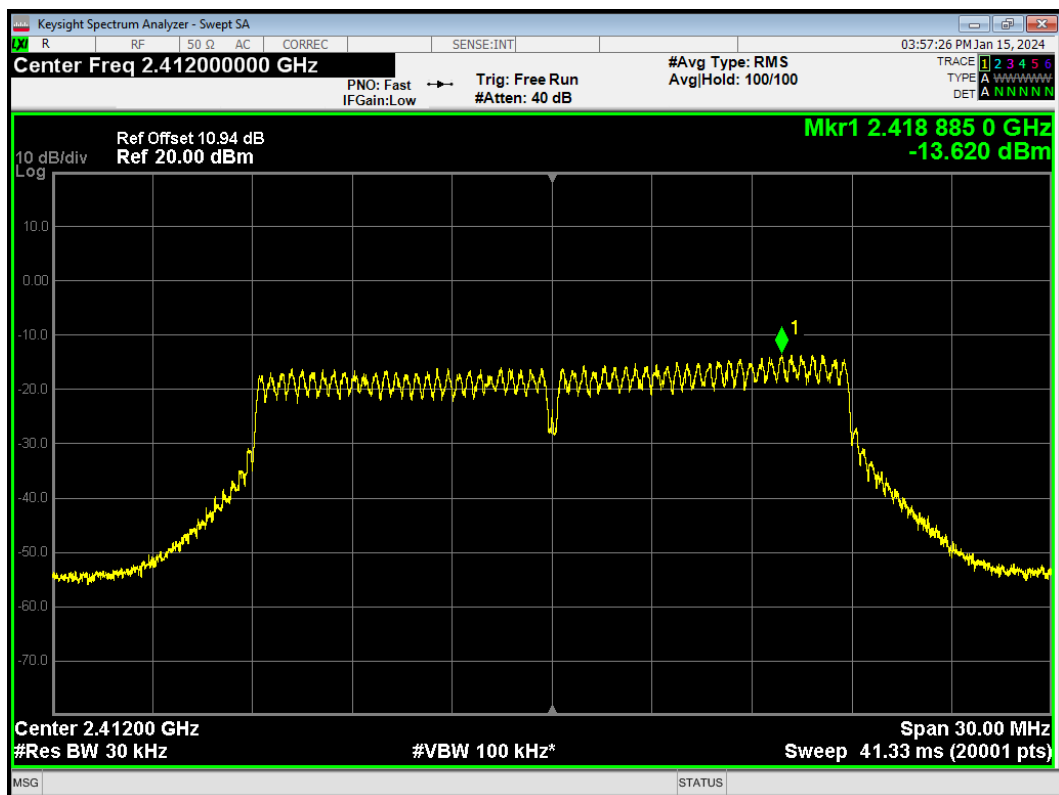
PSD 802.11g 2437MHz



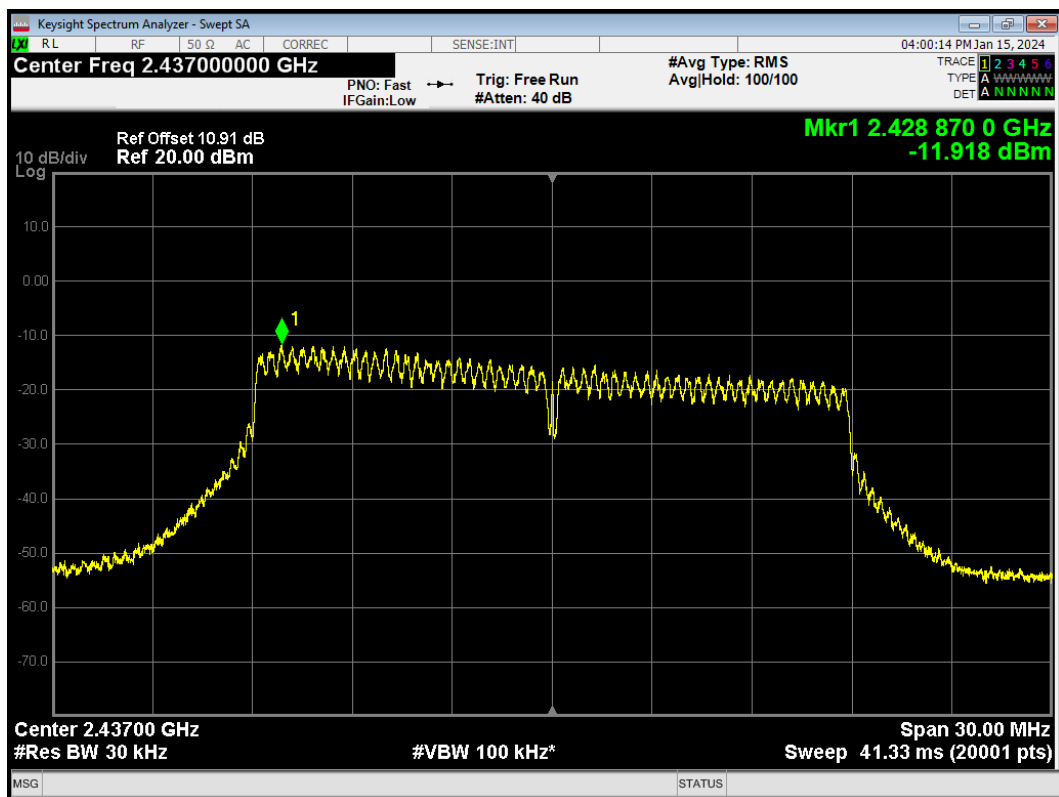
PSD 802.11g 2462MHz



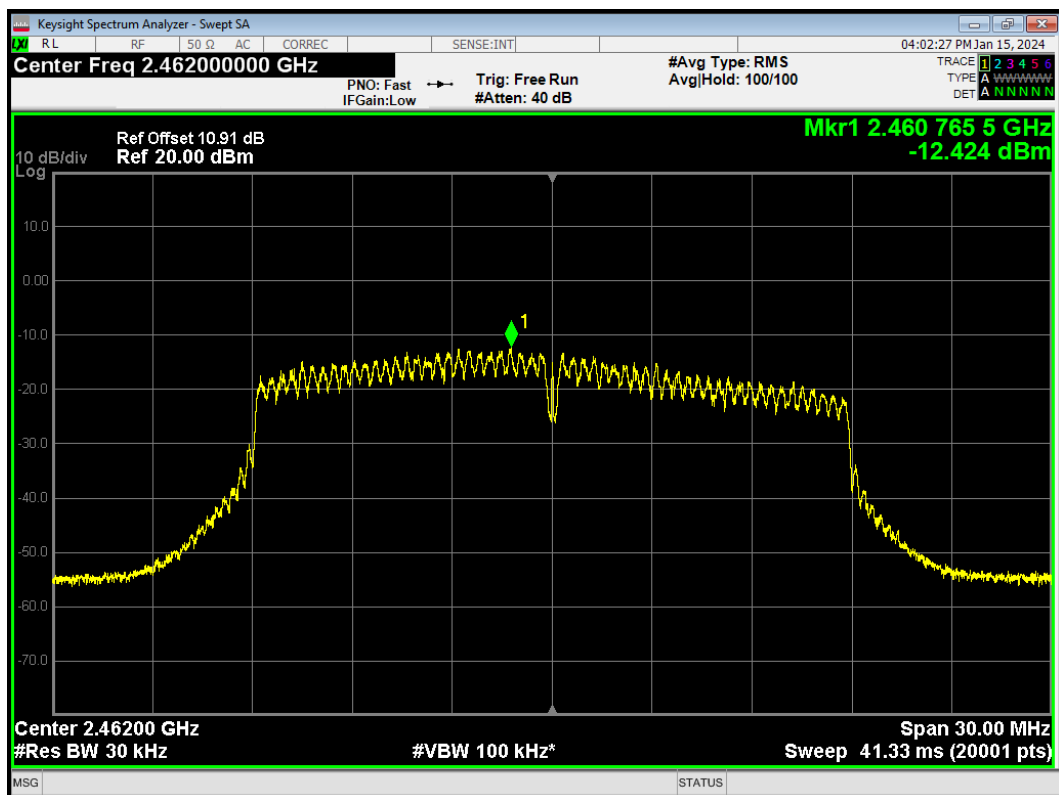
PSD 802.11n(HT20) 2412MHz



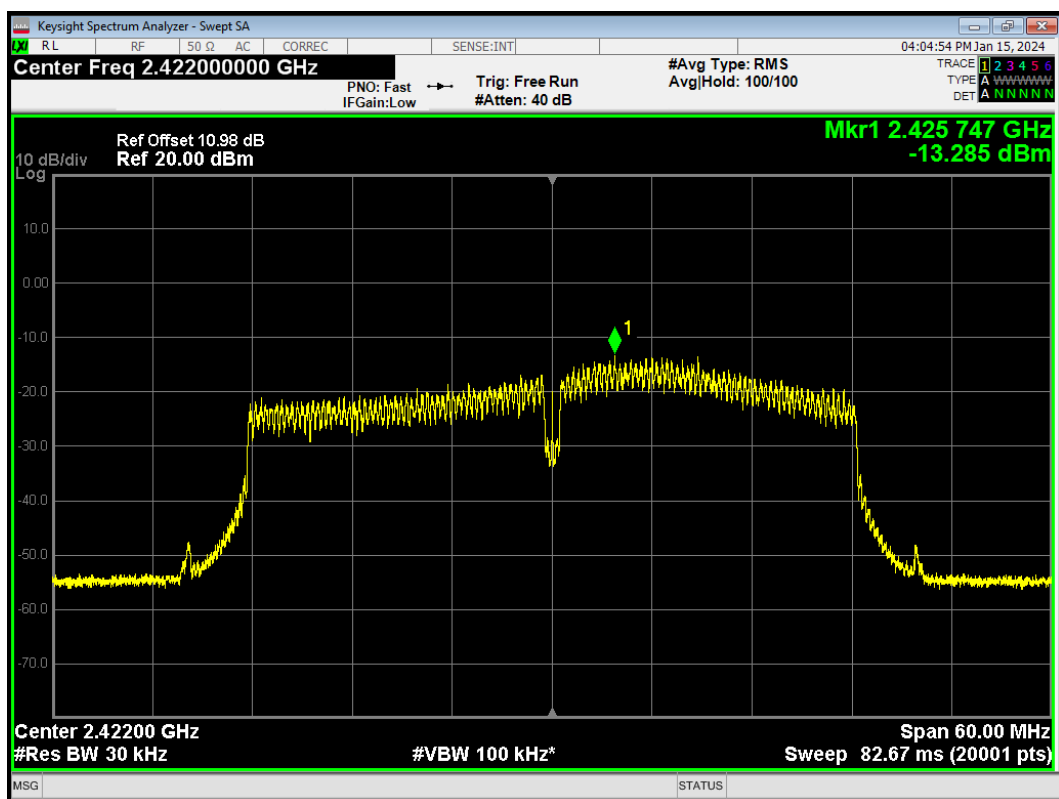
PSD 802.11n(HT20) 2437MHz



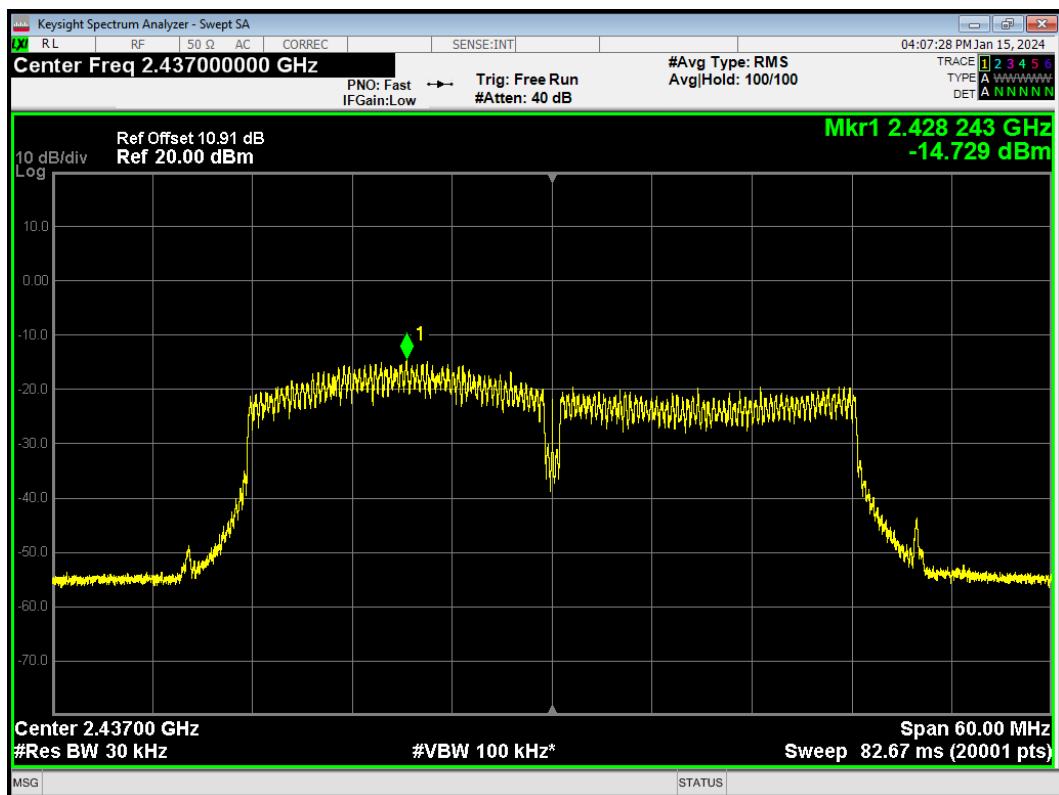
PSD 802.11n(HT20) 2462MHz



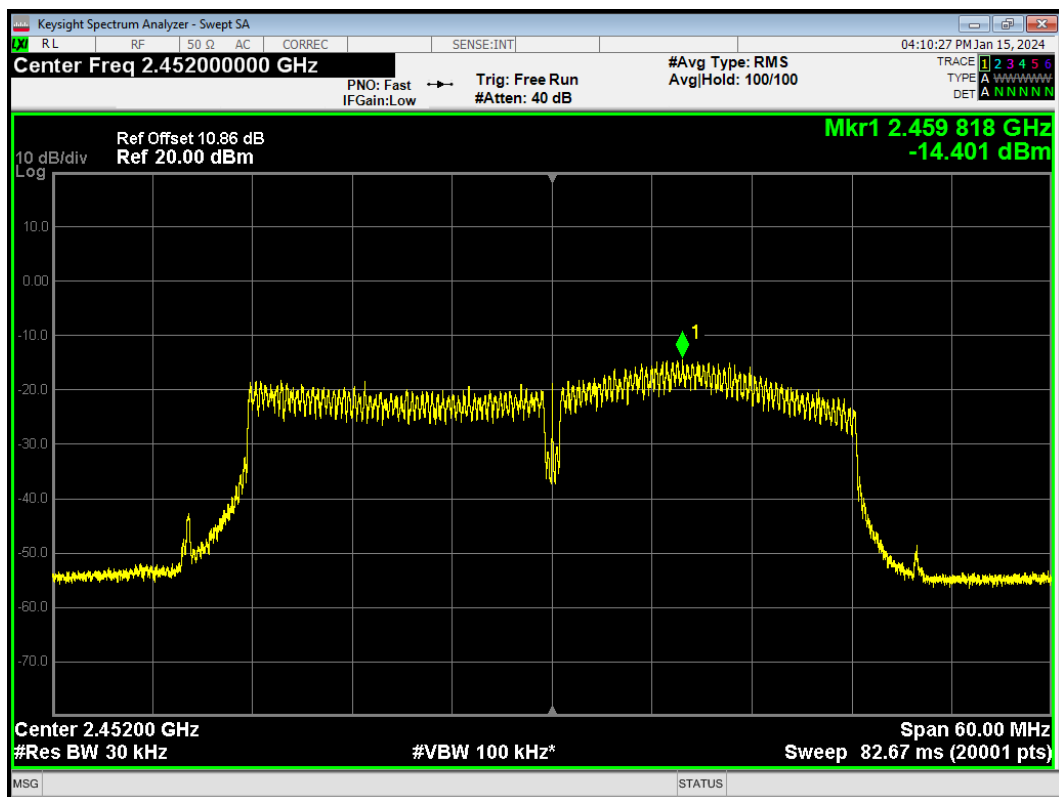
PSD 802.11n(HT40) 2422MHz



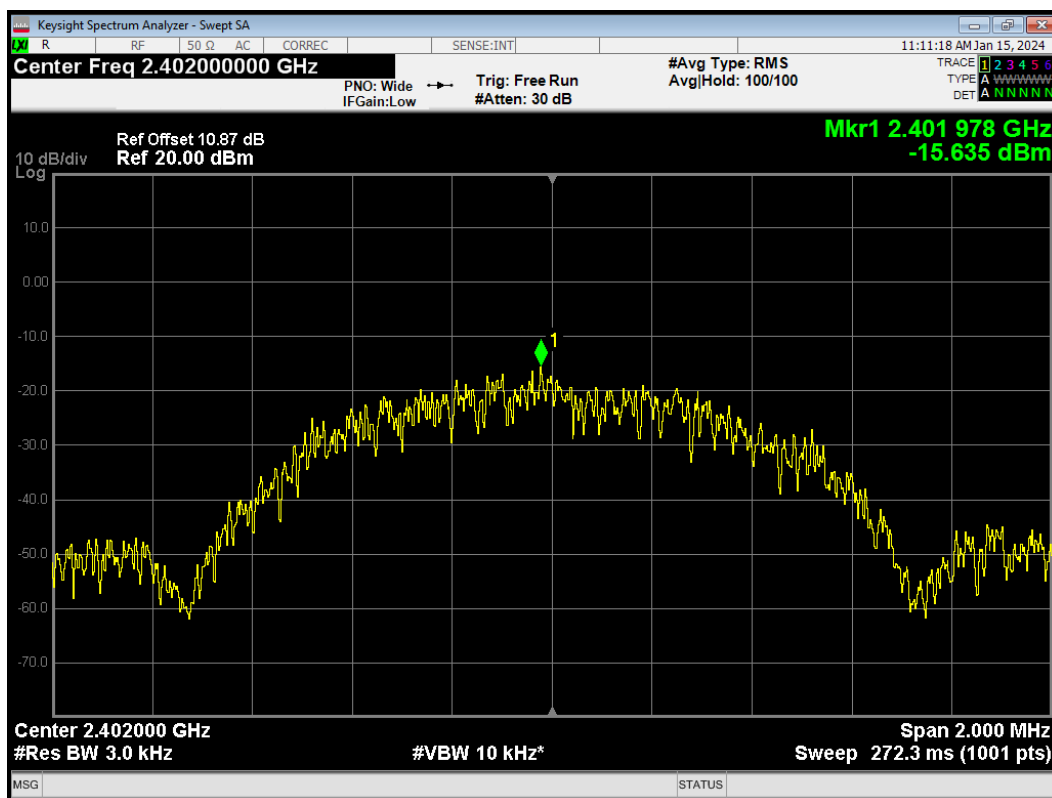
PSD 802.11n(HT40) 2437MHz



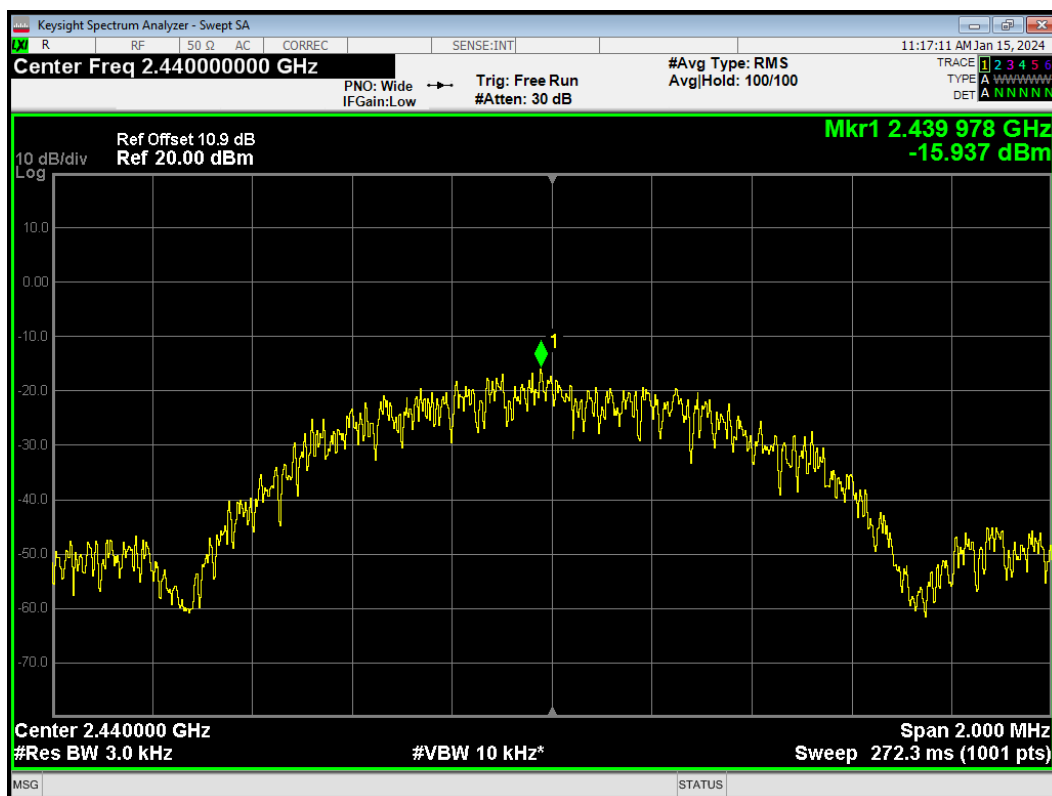
PSD 802.11n(HT40) 2452MHz



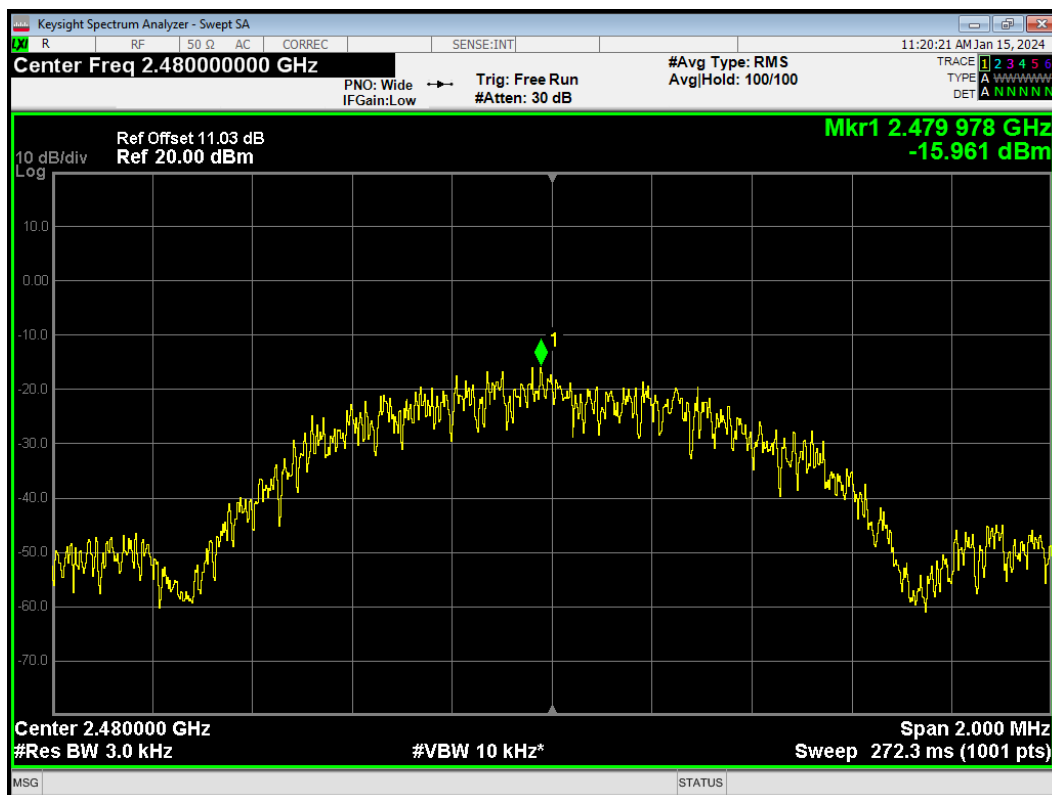
### PSD Bluetooth LE 1M 2402MHz



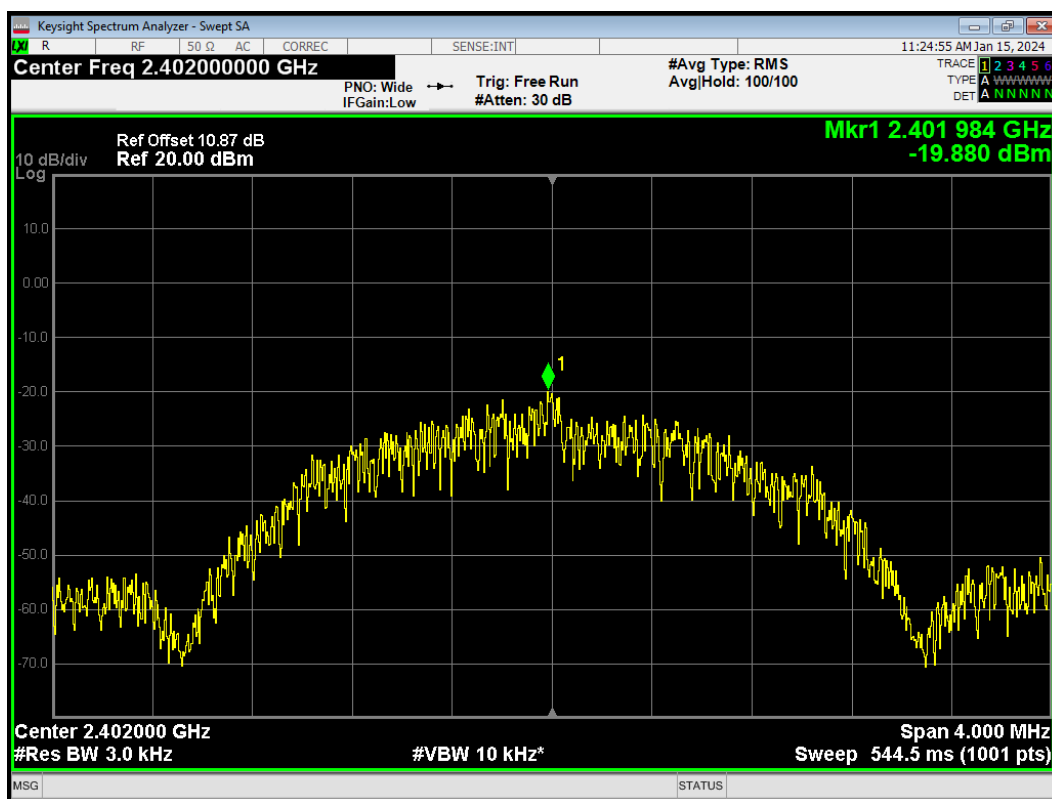
### PSD Bluetooth LE 1M 2440MHz



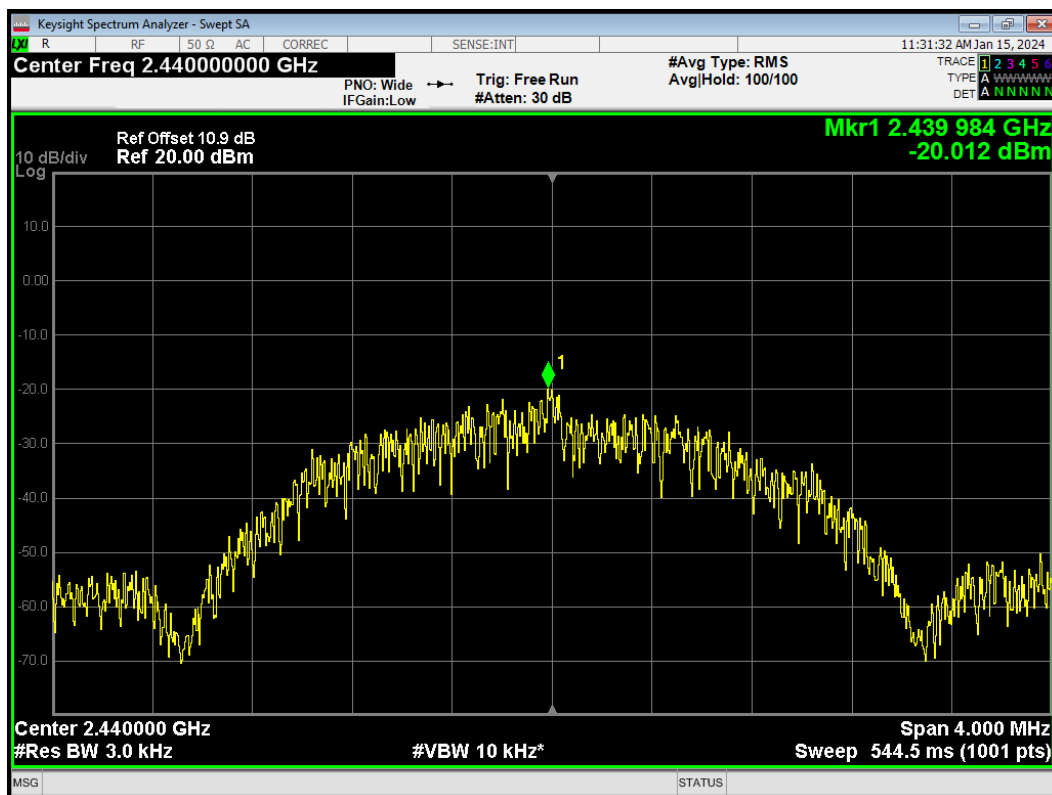
PSD Bluetooth LE 1M 2480MHz



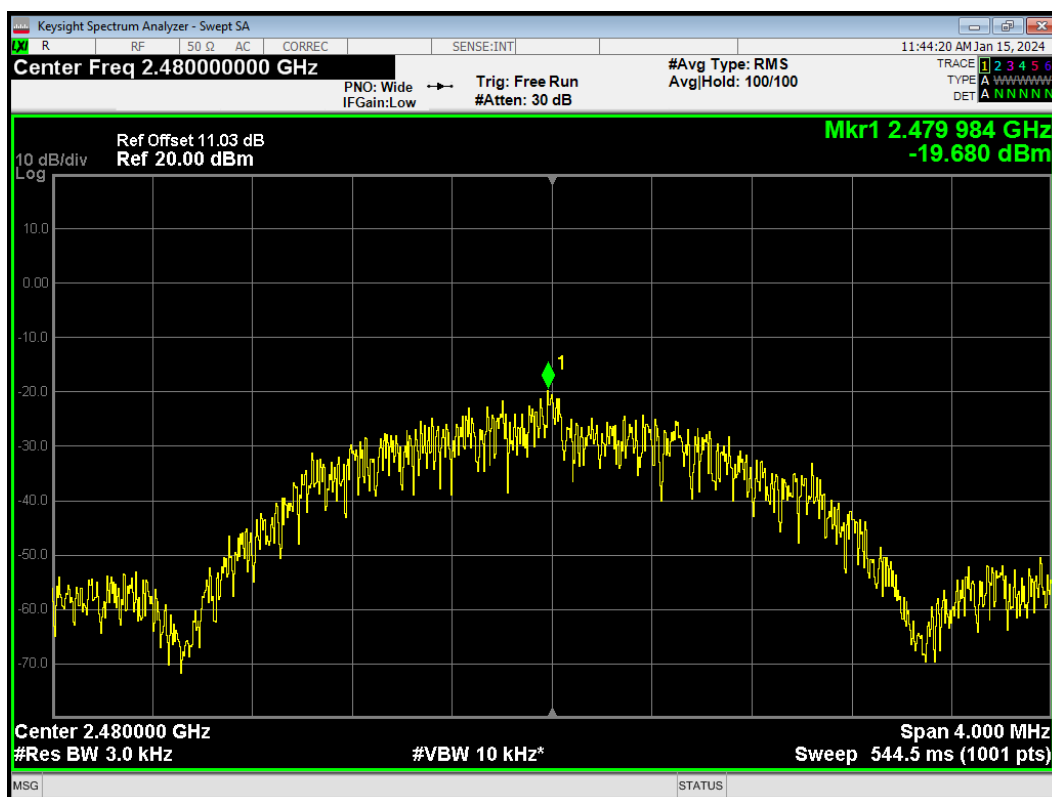
PSD Bluetooth LE 2M 2402MHz



### PSD Bluetooth LE 2M 2440MHz



### PSD Bluetooth LE 2M 2480MHz





## 5.5. Spurious RF Conducted Emissions

### Ambient Condition

Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

### Method of Measurement

The EUT was connected to the spectrum analyzer with a known loss. The spectrum analyzer scans from 30MHz to the 10th harmonic of the carrier. The peak detector is used. Set RBW to 100 kHz and VBW to 300 kHz, Sweep is set to AUTO.

The test is in transmitting mode.

### Test Setup



### Limits

Rule Part 15.247(d) pacifies that "In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. "

Test Mode	Carrier frequency (MHz)	Reference value (dBm)	Limit
802.11b	2412	4.130	-25.87
	2437	4.500	-25.50
	2462	5.950	-24.05
802.11g	2412	0.710	-29.29
	2437	3.030	-26.97
	2462	1.450	-28.55
802.11n HT20	2412	-0.560	-30.56
	2437	1.680	-28.32
	2462	-0.250	-30.25
802.11n HT40	2422	-0.450	-30.45
	2437	-2.330	-32.33
	2452	-1.670	-31.67
Bluetooth (Low Energy) (1M)	2402	4.010	-25.99
	2440	4.010	-25.99
	2480	3.860	-26.14
Bluetooth (Low Energy) (2M)	2402	3.960	-26.04
	2440	3.980	-26.02
	2480	3.720	-26.28

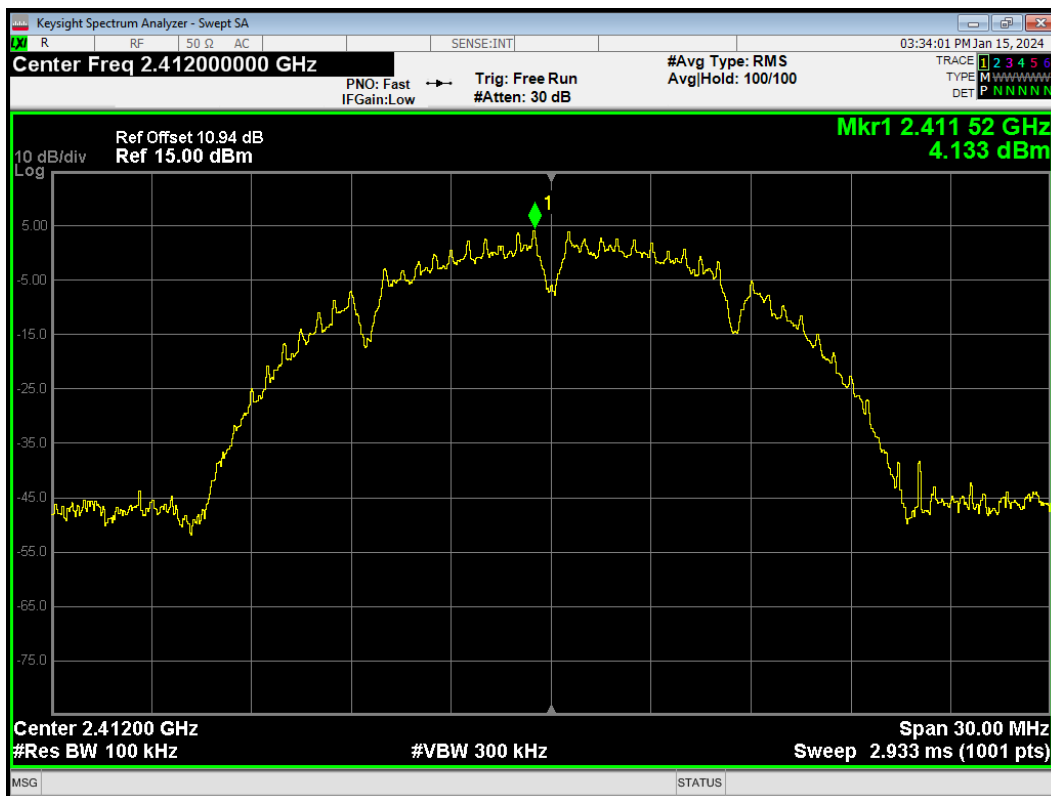
### Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor  $k = 1.96$ .

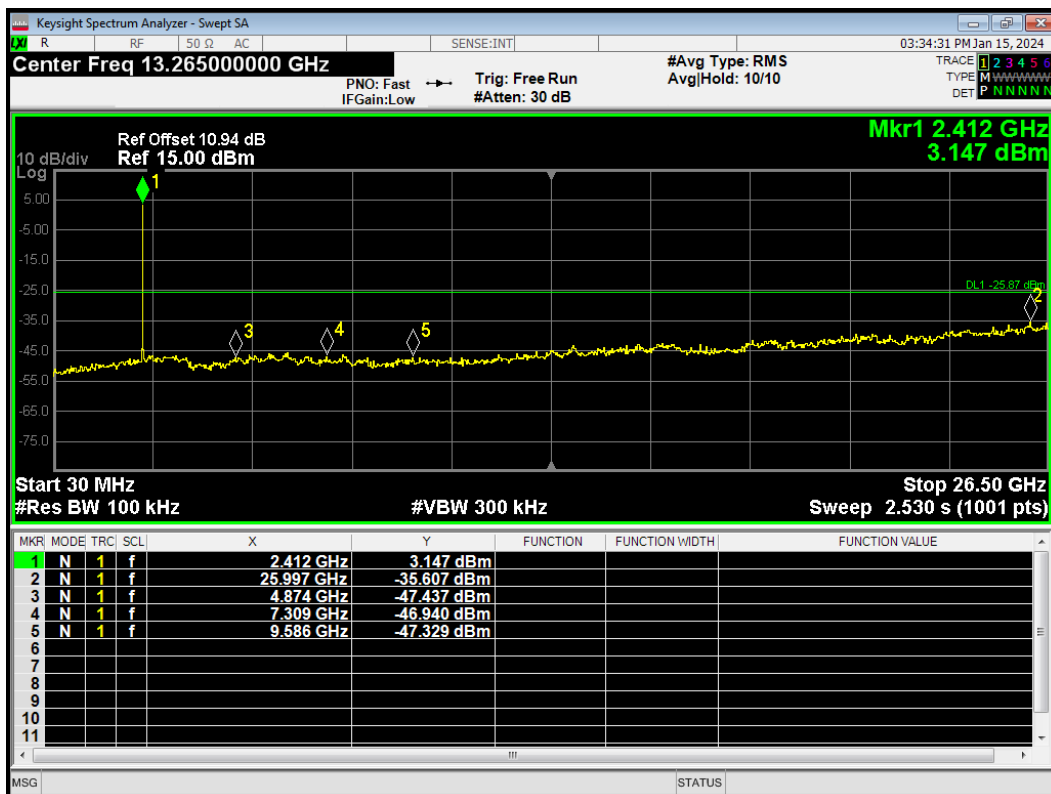
Frequency	Uncertainty
100kHz-2GHz	0.684 dB
2GHz-26GHz	1.407 dB

## Test Results:

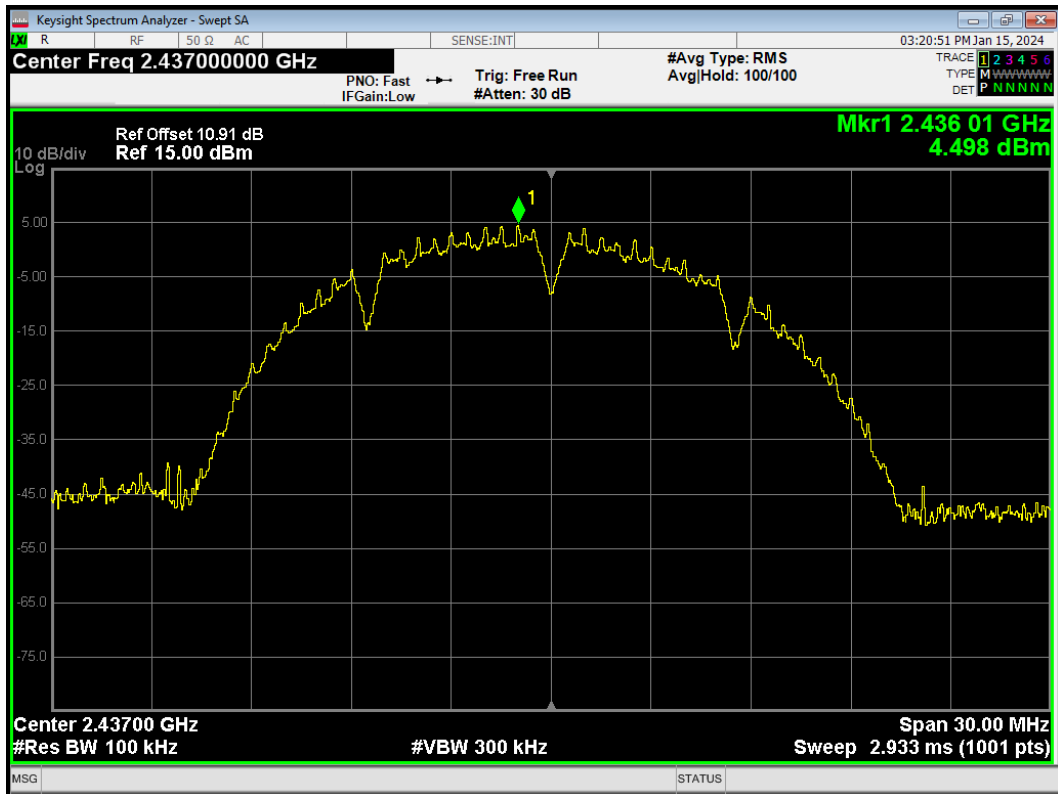
### Tx. Spurious 802.11b 2412MHz Ref



### Tx. Spurious 802.11b 2412MHz Emission



Tx. Spurious 802.11b 2437MHz Ref



Tx. Spurious 802.11b 2437MHz Emission

