RF TEST REPORT

Applicant	New H3C Intelligence Terminal Co., Ltd.
FCC ID	2BNRD-BX54
Product	Dual-Band Gigabit Wi-Fi 6 Router
Brand	H3C
Model	H3C Magic BX54
Report No.	EFTA25010260-IE-06-R1
Issue Date	July 25, 2025

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 15C (2024)**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Xu Ying *Approved by: Xu Kai*

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TABLE OF CONTENT

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	PASS
Date of Testing: January 20, 2025~ May 15, 2025 Date of Sample Received: January 20, 2025			
Note: All indications of Pass/Fail in this report are opinions expressed by Eurofins 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 **Eurofins 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)

Eurofins 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)

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

1.3. Testing Location

Company:	Eurofins TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City:	Shanghai
Post code:	201201
Country:	P. R. China
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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	New H3C Intelligence Terminal Co., Ltd.
Applicant address	Room 406-100, 1 Yichuang Street, China-Singapore Guangzhou Knowledge City, Huangpu District, Guangzhou.
Manufacturer	New H3C Intelligence Terminal Co., Ltd.
Manufacturer address	Room 406-100, 1 Yichuang Street, China-Singapore Guangzhou Knowledge City, Huangpu District, Guangzhou.

2.2. General Information

EUT Description	
Model	H3C Magic BX54
Lab internal SN	EFTA25010260-IE-06/S01
Hardware Version	A0
Software Version	R005
Power Supply	AC adapter
Antenna Type	Internal Antenna
Antenna Connector	A permanently attached antenna (meet with the standard FCC Part 15.203 requirement)
Antenna Gain	Antenna 1: 5.0 dBi Antenna 2: 5.0 dBi
Direction Gain	MIMO: 5.0 dBi Beamforming: 8.01dBi
Operating Frequency Range(s)	802.11b/g/n(HT20)/ax(HE20): 2412 ~ 2462 MHz 802.11n(HT40)/ax(HE40): 2422 ~ 2452 MHz
Modulation Type	802.11b: DSSS 802.11g/n: OFDM 802.11ax: OFDM 802.11ax RU: OFDMA
Max. Output Power	Wi-Fi 2.4GHz: 29.82 dBm
Operating voltage range	11.40 Vdc to 12.60 Vdc
State voltage	12 Vdc
EUT Accessory	
Adapter	Manufacturer: Mentech Model: MAUS-1202002400
Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.	

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 (2024) Radio Frequency Devices

ANSI C63.10-2013

Reference standard:

KDB 558074 D01 15.247 Meas Guidance v05r02

KDB 662911 D01 Multiple Transmitter Output v02r01

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 (Z 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	
	MIMO	Beamforming
802.11b	1 Mbps	1 Mbps
802.11g	6 Mbps	6 Mbps
802.11n HT20	MCS8	MCS8
802.11n HT40	MCS8	MCS8
802.11ax HE20	MCS0	MCS0
802.11ax HE40	MCS0	MCS0

The worst case Antenna mode for each of the following tests for Wi-Fi:

SU Mode

Test Cases	MIMO	Beamforming
Maximum output power	O	O
6dB Bandwidth	O	--
Band Edge	O	--
Power Spectral Density	O	O
Spurious RF Conducted Emissions	O	--
Unwanted Emissions	O	--
Conducted Emission	O	--
Note: 1. “O”: test all bands 2. Only the worst data was recorded in this report.		

RU Mode

Test Cases	MIMO	Beamforming
Maximum output power	O	O
6dB Bandwidth	O	--
Band Edge	O	--
Power Spectral Density	O	O
Spurious RF Conducted Emissions	O	--
Unwanted Emissions	O	--
Conducted Emission	O	--
Note: 1. “O”: test all bands 2. Only the worst data was recorded in this report.		

5. Test Case Results

5.1. Maximum output power

Ambient Condition

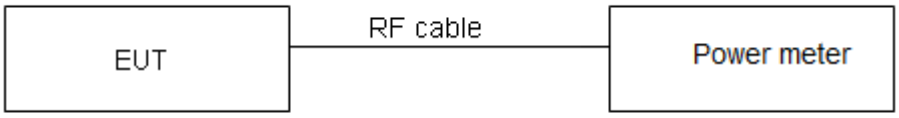
Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

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.

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

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	≤ 1W (30dBm)

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

SU Mode

MIMO Antenna Power Index			
Test Mode	Carrier frequency (MHz)	Antenna 1	Antenna 2
802.11b	2412	26	26
	2437	26	26
	2462	26	26
802.11g	2412	24	24
	2417	26	26
	2437	26	26
	2457	26	26
	2462	23	23
802.11n HT20	2412	23	23
	2417	26	26
	2437	26	26
	2457	26	26
	2462	23	23
802.11n HT40	2422	20	20
	2427	23	23
	2437	23	23
	2447	23	23
	2452	20	20
802.11ax HE20	2412	23	23
	2417	26	26
	2437	26	26
	2457	26	26
	2462	22	22
802.1ax HE40	2422	20	20
	2427	23	23
	2437	23	23
	2447	23	23
	2452	20	20

Beamforming Antenna Power Index			
Test Mode	Carrier frequency (MHz)	Antenna 1	Antenna 2
802.11b	2412	24	24
	2437	24	24
	2462	24	24
802.11g	2412	24	24
	2437	24	24

	2462	23	23
802.11n HT20	2412	23	23
	2437	24	24
	2462	23	23
802.11n HT40	2422	20	20
	2427	23	23
	2437	23	23
	2447	23	23
	2452	20	20
802.11ax HE20	2412	23	23
	2437	24	24
	2462	22	22
802.1ax HE40	2422	20	20
	2427	23	23
	2437	23	23
	2447	23	23
	2452	20	20

Test Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11b	0.981	0.00
802.11g	0.998	0.00
802.11n HT20	0.997	0.00
802.11n HT40	0.999	0.00
802.11ax HE20	0.999	0.00
802.11ax HE40	0.999	0.00
Note: when Duty cycle≥0.98, Duty cycle correction Factor not required.		

MIMO

Test Mode	Carrier frequency (MHz) / Channel	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11b	2412/CH 1	26.25	26.25	26.35	26.35	29.31	30.00	PASS
	2437/CH 6	26.27	26.27	26.73	26.73	29.51	30.00	PASS
	2462/CH11	26.25	26.25	26.54	26.54	29.40	30.00	PASS
802.11g	2412/CH 1	24.38	24.38	24.81	24.81	27.61	30.00	PASS
	2417/CH 2	26.49	26.49	27.00	27.00	29.76	30.00	PASS
	2437/CH 6	26.35	26.35	27.23	27.23	29.82	30.00	PASS
	2457/CH 10	26.19	26.19	27.04	27.04	29.65	30.00	PASS
	2462/CH11	23.23	23.23	24.20	24.20	26.75	30.00	PASS
802.11n HT20	2412/CH 1	22.98	22.98	23.58	23.58	26.30	30.00	PASS
	2417/CH 2	26.18	26.18	26.72	26.72	29.47	30.00	PASS
	2437/CH 6	26.05	26.05	26.96	26.96	29.54	30.00	PASS
	2457/CH 10	25.91	25.91	26.80	26.80	29.39	30.00	PASS
	2462/CH11	22.90	22.90	23.82	23.82	26.39	30.00	PASS
802.11n HT40	2422/CH3	20.96	20.96	21.16	21.16	24.07	30.00	PASS
	2427/CH4	23.60	23.60	24.16	24.16	26.90	30.00	PASS
	2437/CH6	23.61	23.61	24.44	24.44	27.06	30.00	PASS
	2447/CH8	23.59	23.59	24.41	24.41	27.03	30.00	PASS
	2452/CH9	20.77	20.77	21.33	21.33	24.07	30.00	PASS
802.11ax HE20	2412/CH 1	23.55	23.55	23.47	23.47	26.52	30.00	PASS
	2417/CH 2	26.26	26.26	26.81	26.81	29.55	30.00	PASS
	2437/CH 6	26.64	26.64	26.67	26.67	29.66	30.00	PASS
	2457/CH 10	26.65	26.65	26.41	26.41	29.54	30.00	PASS
	2462/CH11	22.17	22.17	22.97	22.97	25.60	30.00	PASS
802.11ax HE40	2422/CH3	20.60	20.60	20.89	20.89	23.75	30.00	PASS
	2427/CH4	23.33	23.33	23.92	23.92	26.65	30.00	PASS
	2437/CH6	23.31	23.31	24.16	24.16	26.77	30.00	PASS
	2447/CH8	23.25	23.25	24.16	24.16	26.74	30.00	PASS
	2452/CH9	20.83	20.83	20.77	20.77	23.81	30.00	PASS

Note: 1.Average Power with duty factor = Average Power Measured +Duty cycle correction factor

2. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power $=10\log(10^{(\text{Power antenna1 in dBm}/10)}+10^{(\text{Power antenna2 in dBm}/10)})$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2) (ii): If all transmit signals are completely uncorrelated with each other, Directional gain = 5dBi<6dBi. So the power limit is 30.00 dBm.

Beamforming

Test Mode	Carrier frequency (MHz) / Channel	Beamforming Antenna 1		Beamforming Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
		Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11b	2412/CH 1	24.31	24.31	24.39	24.39	27.36	27.99	PASS
	2437/CH 6	24.34	24.34	24.80	24.80	27.58	27.99	PASS
	2462/CH11	24.30	24.30	24.53	24.53	27.42	27.99	PASS
802.11g	2412/CH 1	24.38	24.38	24.81	24.81	27.61	27.99	PASS
	2437/CH 6	24.39	24.39	25.24	25.24	27.85	27.99	PASS
	2462/CH11	23.23	23.23	24.20	24.20	26.75	27.99	PASS
802.11n HT20	2412/CH 1	22.98	22.98	23.58	23.58	26.30	27.99	PASS
	2437/CH 6	24.51	24.51	24.53	24.53	27.53	27.99	PASS
	2462/CH11	22.90	22.90	23.82	23.82	26.39	27.99	PASS
802.11n HT40	2422/CH3	20.96	20.96	21.16	21.16	24.07	27.99	PASS
	2427/CH4	23.60	23.60	24.16	24.16	26.90	27.99	PASS
	2437/CH6	23.61	23.61	24.44	24.44	27.06	27.99	PASS
	2447/CH8	23.59	23.59	24.41	24.41	27.03	27.99	PASS
	2452/CH9	20.77	20.77	21.33	21.33	24.07	27.99	PASS
802.11ax HE20	2412/CH 1	23.55	23.55	23.47	23.47	26.52	27.99	PASS
	2437/CH 6	24.13	24.13	25.00	25.00	27.59	27.99	PASS
	2462/CH11	22.17	22.17	22.97	22.97	25.60	27.99	PASS
802.11ax HE40	2422/CH3	20.60	20.60	20.89	20.89	23.75	27.99	PASS
	2427/CH4	23.33	23.33	23.92	23.92	26.65	27.99	PASS
	2437/CH6	23.31	23.31	24.16	24.16	26.77	27.99	PASS
	2447/CH8	23.25	23.25	24.16	24.16	26.74	27.99	PASS
	2452/CH9	20.83	20.83	20.77	20.77	23.81	27.99	PASS

Note: 1. Average Power with duty factor = Average Power Measured +Duty cycle correction factor

2. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power =10log ($10^{(\text{Power antenna1 in dBm/10})}$+$10^{(\text{Power antenna2 in dBm/10})}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(i): If all antennas have the same gain, Directional gain = G_{ANT} + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = G_{ANT} + Array Gain =8.01+0=8.01dBi >6dBi. So the power limit is 27.99dBm

RU Mode

MIMO Antenna Power Index						
Antenna	**Channel**	**RU Index**	**802.11ax HE20 242-Tones**	**Channel**	**RU Index**	**802.11ax HE40 484-Tones**
Antenna 1	**CH1**	61	21	**CH3**	65	18
	CH6	61	21	/	/	/
	CH11	61	21	/	/	/
Antenna	**Channel**	**RU Index**	**802.11ax HE20 242-Tones**	**Channel**	**RU Index**	**802.11ax HE40 484-Tones**
Antenna 2	**CH1**	61	21	**CH3**	65	18
	CH6	61	21	/	/	/
	CH11	61	21	/	/	/

Beamforming Antenna Power Index						
Antenna	**Channel**	**RU Index**	**802.11ax HE20 242-Tones**	**Channel**	**RU Index**	**802.11ax HE40 484-Tones**
Antenna 1	**CH1**	61	21	**CH3**	65	18
	CH6	61	21	/	/	/
	CH11	61	21	/	/	/
Antenna	**Channel**	**RU Index**	**802.11ax HE20 242-Tones**	**Channel**	**RU Index**	**802.11ax HE40 484-Tones**
Antenna 2	**CH1**	61	21	**CH3**	65	18
	CH6	61	21	/	/	/
	CH11	61	21	/	/	/

Test Mode	Duty cycle	Duty cycle correction Factor (dB)
802.11ax HE20 242-Tones:RU Index 61	0.953	0.21
802.11ax HE40 484-Tones:RU Index 65	0.951	0.22
Note: when Duty cycle⩾0.98, Duty cycle correction Factor not required.		

MIMO

Test Mode	Carrier frequency (MHz) / Channel	RU Index	MIMO Antenna 1		MIMO Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
			Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11ax HE20 242-Tones	2412/CH 1	61	20.61	20.82	21.24	21.45	24.16	30	PASS
	2437/CH 6	61	20.78	20.99	21.73	21.94	24.50	30	PASS
	2462/CH11	61	20.51	20.72	21.46	21.67	24.23	30	PASS
802.11ax HE40 484-Tones	2422/CH3	65	18.17	18.39	17.62	17.84	21.13	30	PASS

Note: 1. Average Power with duty factor = Average Power Measured +Duty cycle correction factor

2. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power =$10\log(10^{(\text{Power antenna1 in dBm}/10)}+10^{(\text{Power antenna2 in dBm}/10)}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2) (ii): If all transmit signals are completely uncorrelated with each other, Directional gain = 5dBi<6dBi. So the power limit is 30.00 dBm.

Beamforming

Test Mode	Carrier frequency (MHz) / Channel	RU Index	Beamforming Antenna 1		Beamforming Antenna 2		Total Power (dBm)	Limit (dBm)	Conclusion
			Average Power Measured (dBm)	Average Power with duty factor (dBm)	Average Power Measured (dBm)	Average Power with duty factor (dBm)			
802.11ax HE20 242-Tones	2412/CH 1	61	20.61	20.82	21.24	21.45	24.16	27.99	PASS
	2437/CH 6	61	20.78	20.99	21.73	21.94	24.50	27.99	PASS
	2462/CH11	61	20.51	20.72	21.46	21.67	24.23	27.99	PASS
802.11ax HE40 484-Tones	2422/CH3	65	18.17	18.39	17.62	17.84	21.13	27.99	PASS

Note: 1. Average Power with duty factor = Average Power Measured +Duty cycle correction factor

2. For Total Power, according to KDB 662911 D01 Multiple Transmitter Output v02r01 1),

The Total Power =$10\log(10^{(\text{Power antenna1 in dBm}/10)}+10^{(\text{Power antenna2 in dBm}/10)}$.

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(i): If all antennas have the same gain, Directional gain = G_{ANT} + Array Gain,

For power measurements on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;

Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT};

Array Gain = 5 log(N_{ANT}/N_{SS}) dB or 3 dB, whichever is less, for 20-MHz channel widths with $N_{ANT} \geq 5$.

So directional gain = G_{ANT} + Array Gain =8.01+0=8.01dBi >6dBi. So the power limit is 27.99dBm

5.2. 99% Bandwidth and 6dB Bandwidth

Ambient Condition

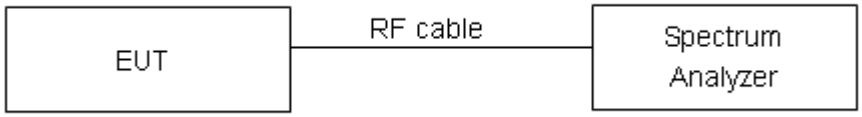
Temperature	Relative humidity
15°C ~ 35°C	20% ~ 80%

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

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:

SU Mode

Test Mode	Carrier frequency (MHz)	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11b	2412	12.984	8.057	500	PASS
	2437	13.036	7.581	500	PASS
	2462	13.061	7.539	500	PASS
802.11g	2412	16.229	14.388	500	PASS
	2417	16.327	15.050	500	PASS
	2437	16.338	14.739	500	PASS
	2457	16.287	13.760	500	PASS
	2462	16.213	14.350	500	PASS
802.11n HT20	2412	17.358	13.832	500	PASS
	2417	17.483	11.240	500	PASS
	2437	17.473	8.855	500	PASS
	2457	17.458	15.101	500	PASS
	2462	17.373	7.884	500	PASS
802.11n HT40	2422	35.616	32.541	500	PASS
	2427	35.594	29.162	500	PASS
	2437	35.594	31.251	500	PASS
	2447	35.619	31.303	500	PASS
	2452	35.569	30.915	500	PASS
802.11ax HE20	2412	18.706	14.635	500	PASS
	2417	18.743	13.196	500	PASS
	2437	18.861	12.864	500	PASS
	2457	18.837	12.299	500	PASS
	2462	18.718	16.428	500	PASS
802.11ax HE40	2422	37.064	18.187	500	PASS
	2427	37.181	32.245	500	PASS
	2437	37.147	29.196	500	PASS
	2447	37.139	29.286	500	PASS
	2452	37.355	28.935	500	PASS

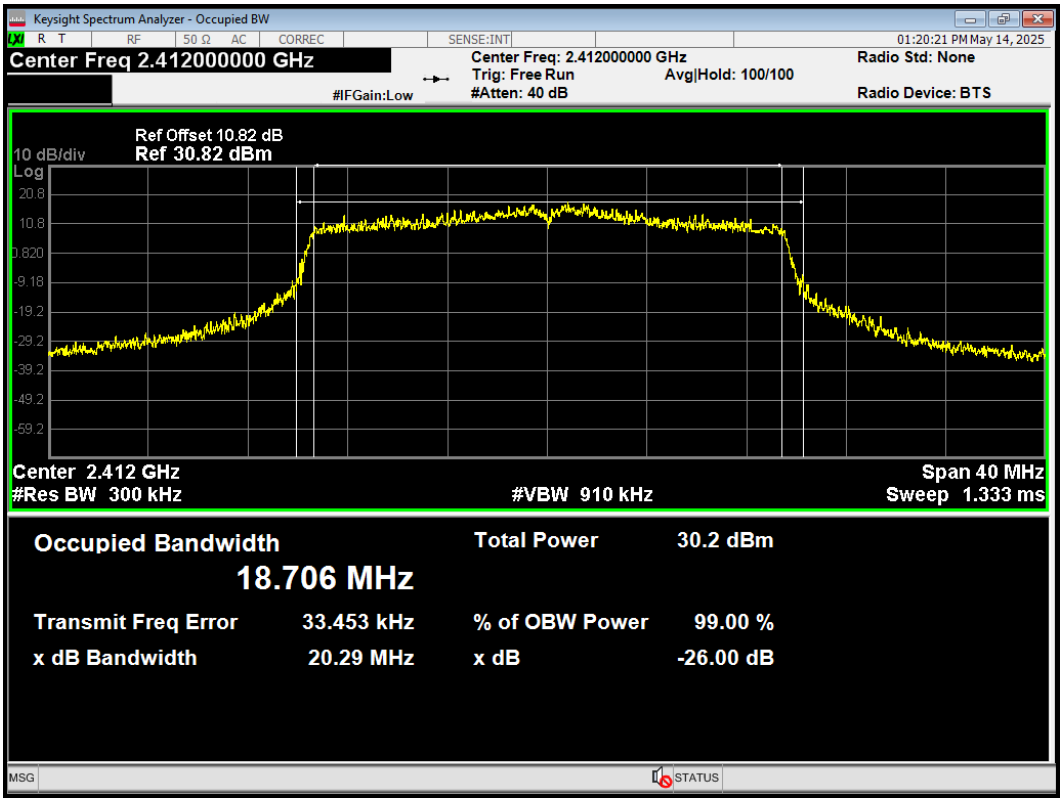
RU Mode

Test Mode	Carrier frequency (MHz)	RU Index	99% bandwidth (MHz)	Minimum 6 dB bandwidth (MHz)	Limit (kHz)	Conclusion
802.11ax HE20 242-Tones	2412	61	18.695	13.194	500	PASS
	2437	61	18.641	11.727	500	PASS
	2462	61	18.669	13.931	500	PASS
802.11ax HE40 484-Tones	2422	65	37.289	23.607	500	PASS

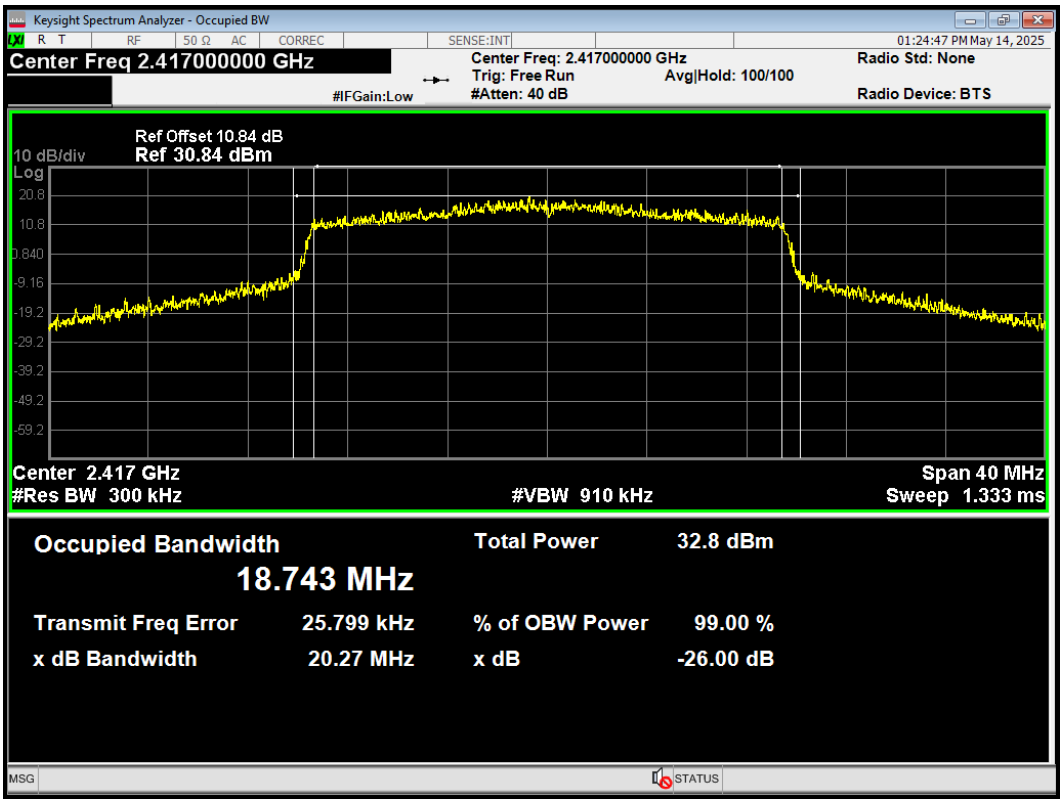
SU Mode

99%bandwidth

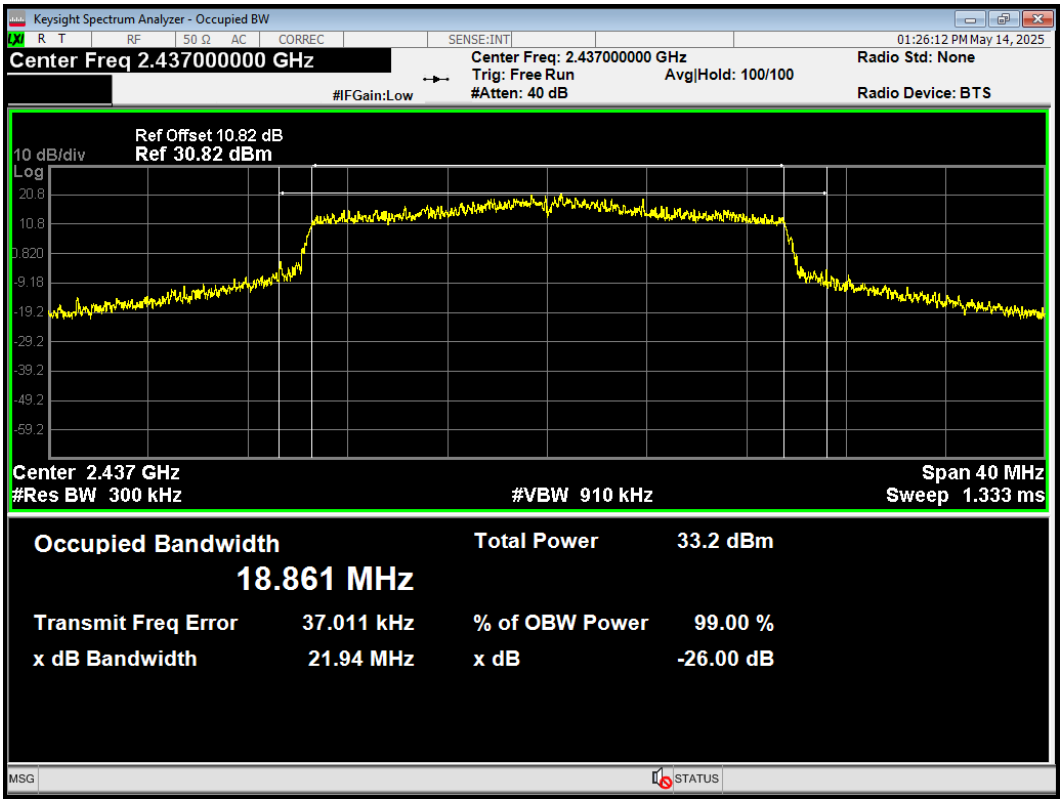
OBW 802.11ax(HE20) 2412MHz



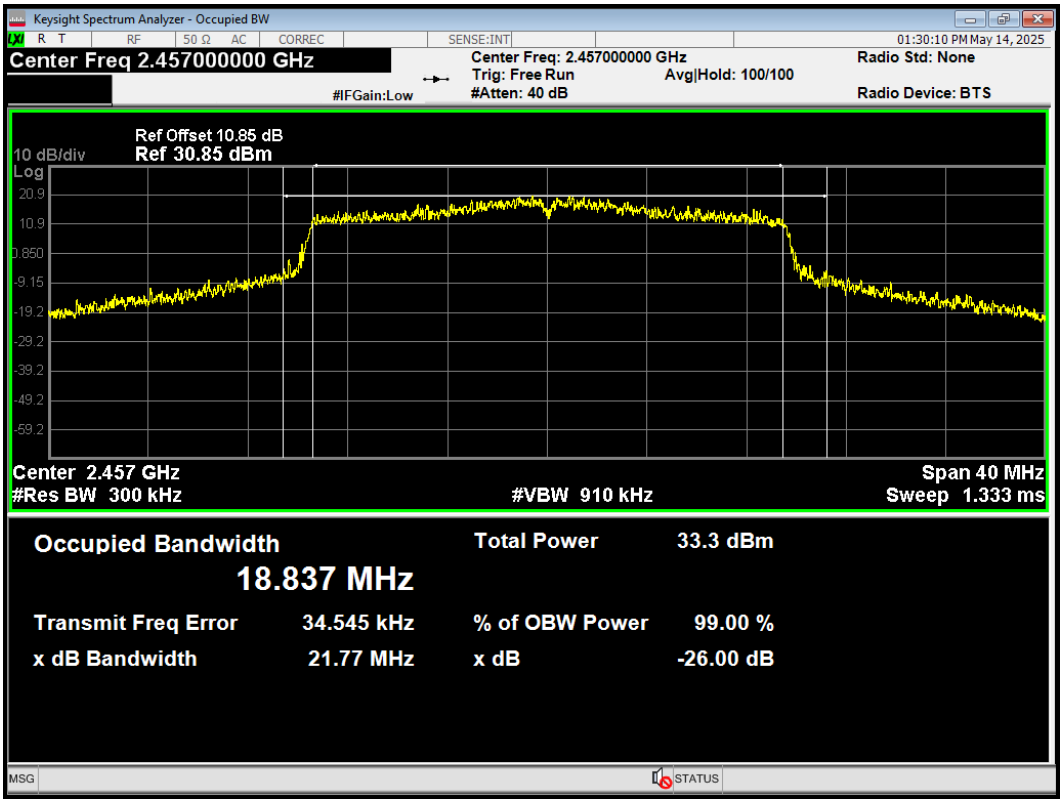
OBW 802.11ax(HE20) 2417MHz



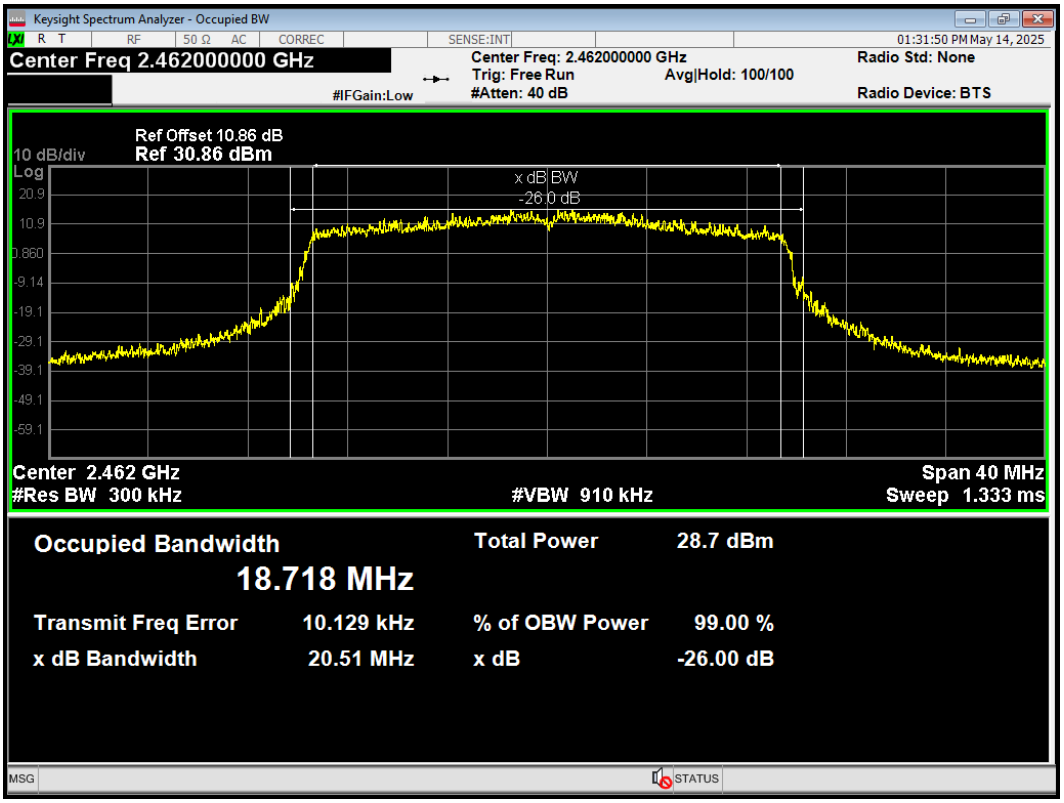
OBW 802.11ax(HE20) 2437MHz



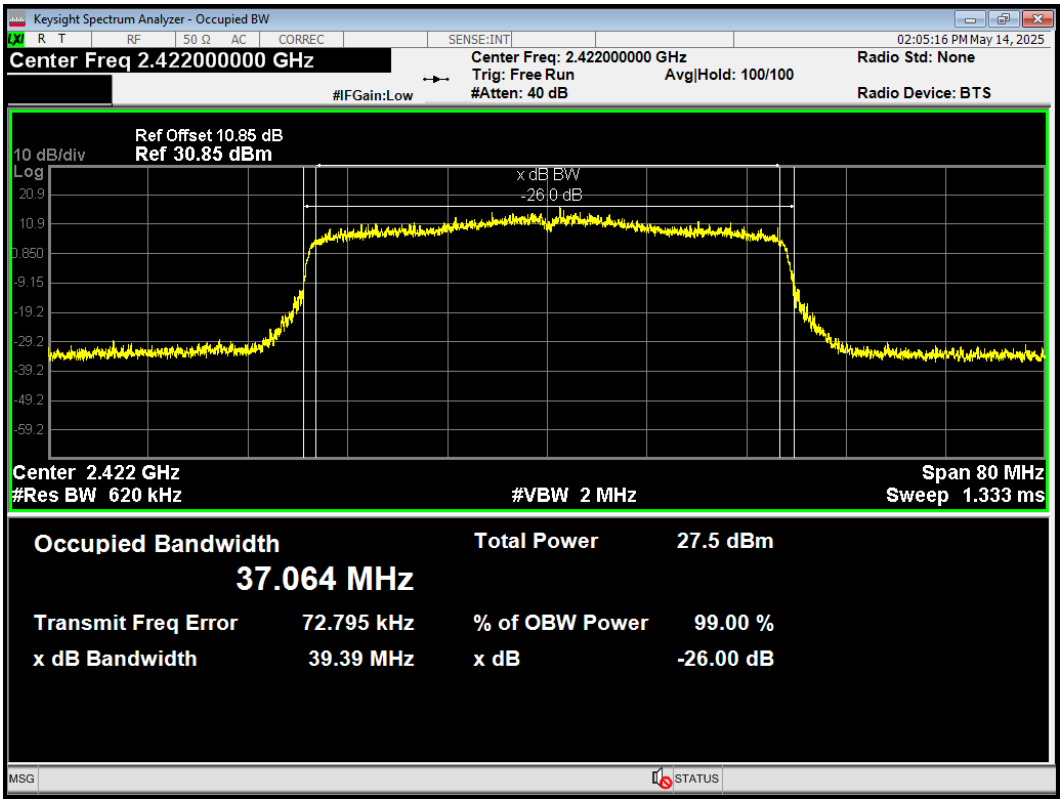
OBW 802.11ax(HE20) 2457MHz



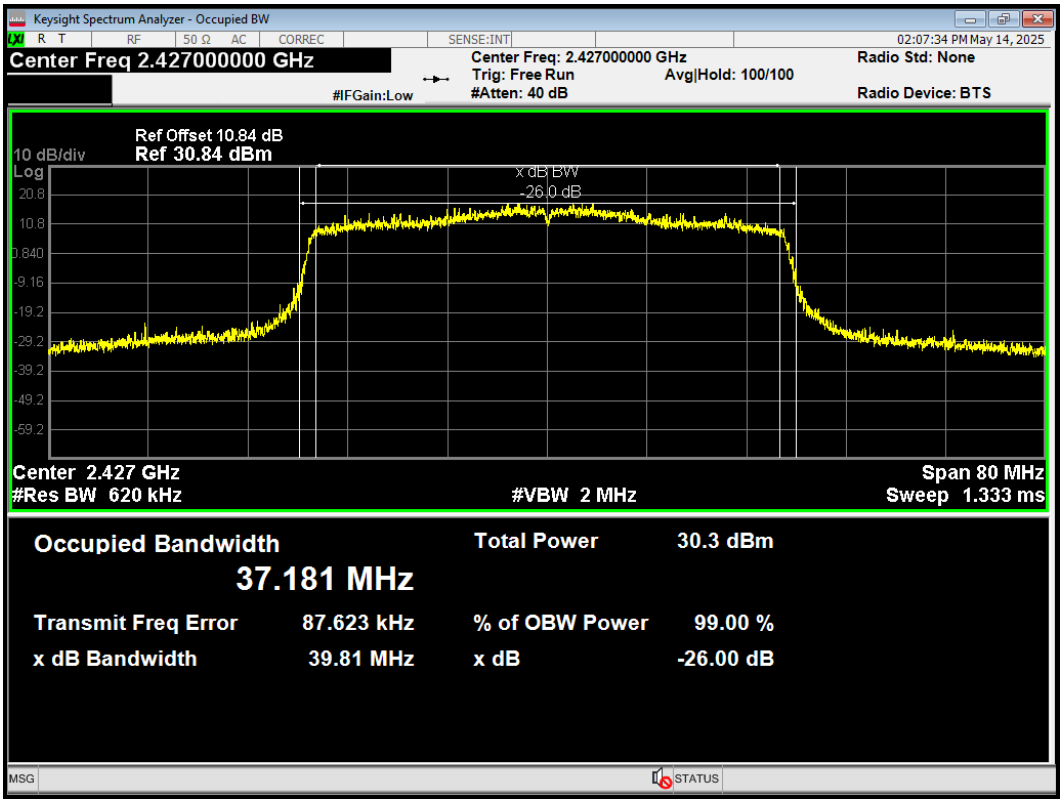
OBW 802.11ax(HE20) 2462MHz



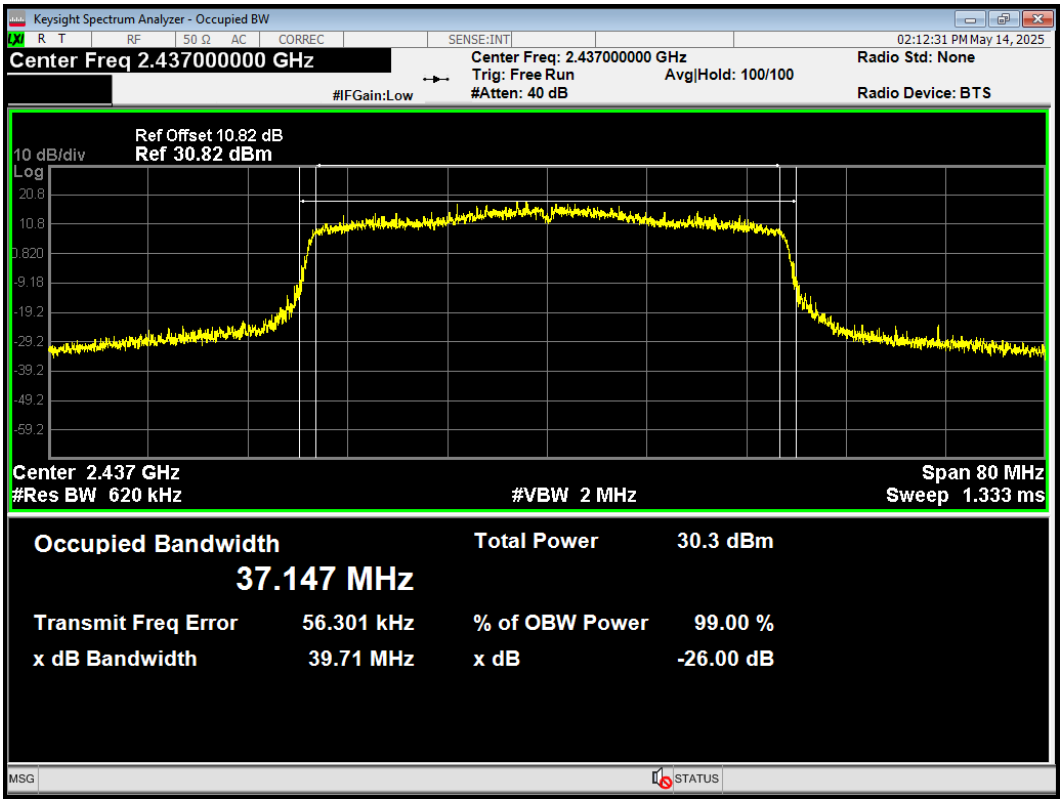
OBW 802.11ax(HE40) 2422MHz



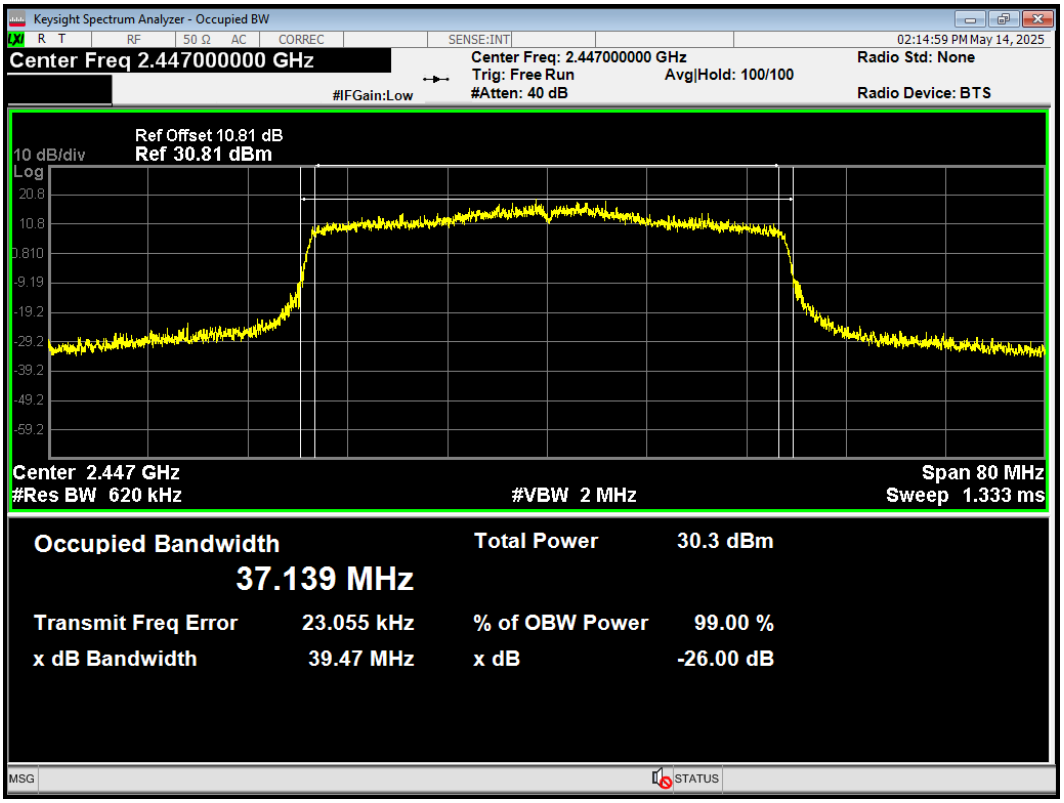
OBW 802.11ax(HE40) 2427MHz



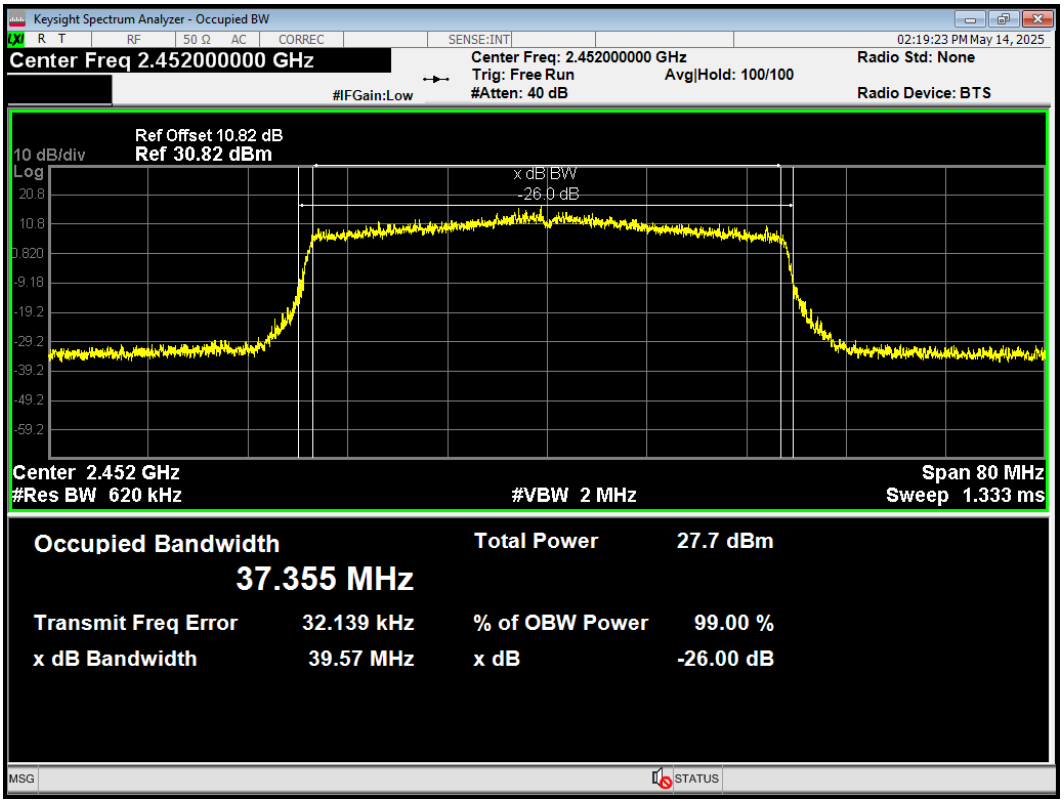
OBW 802.11ax(HE40) 2437MHz



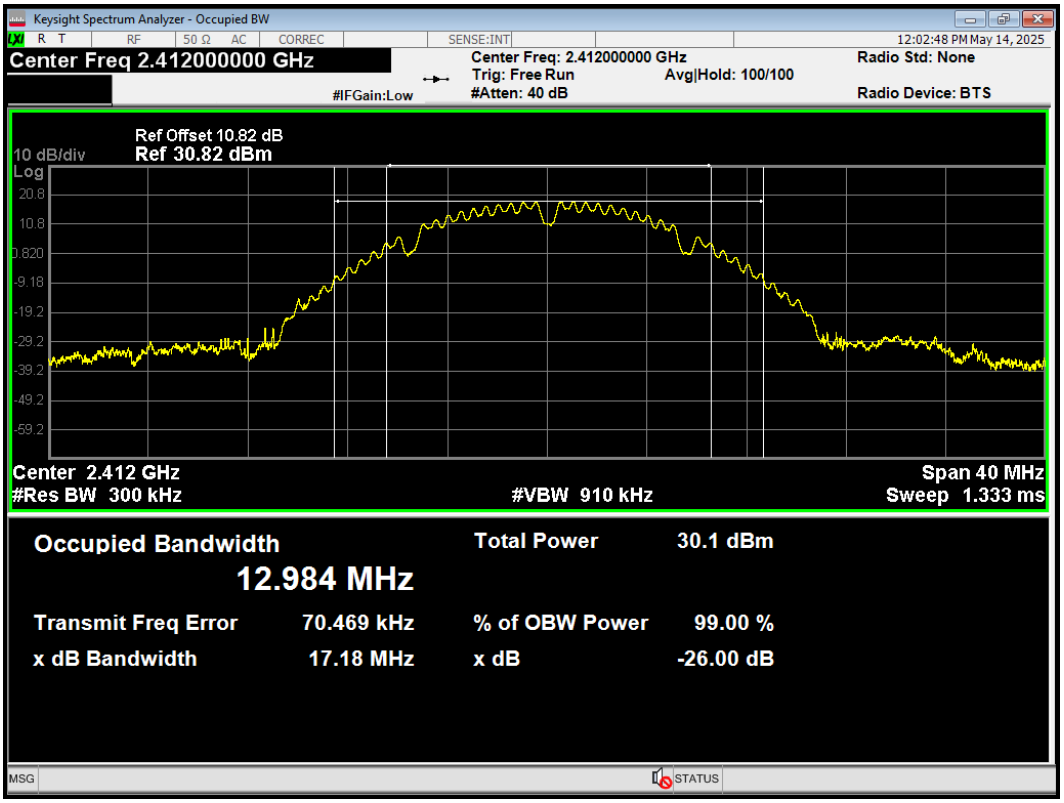
OBW 802.11ax(HE40) 2447MHz



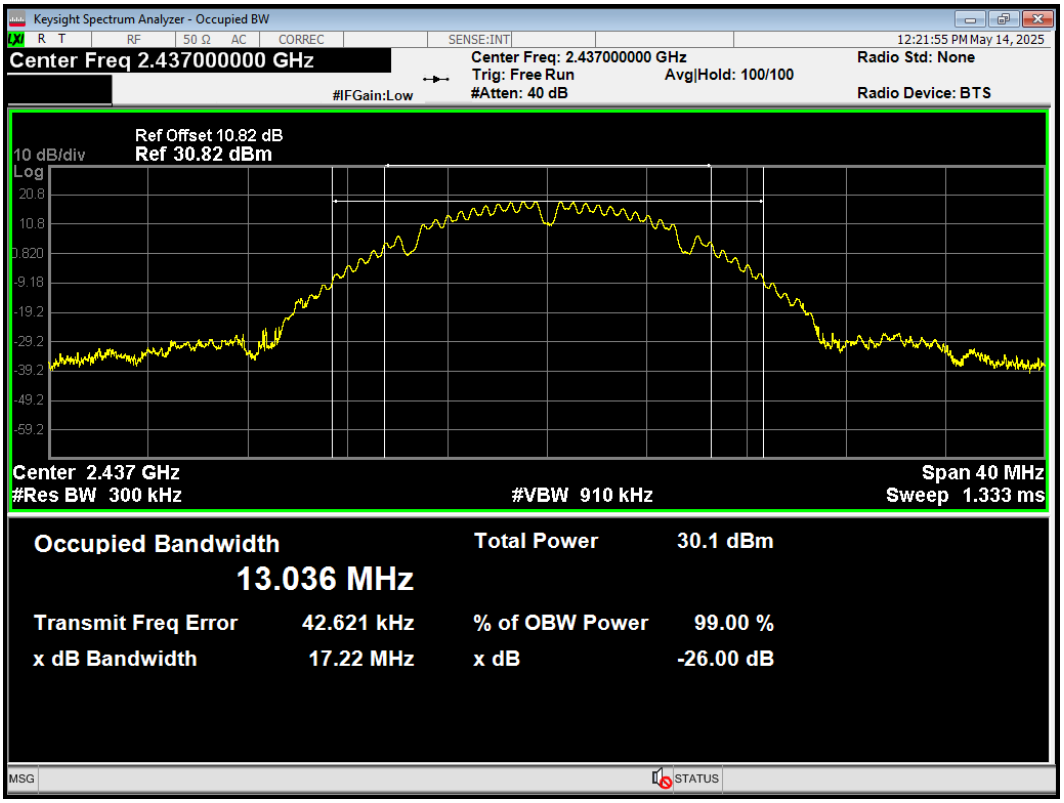
OBW 802.11ax(HE40) 2452MHz



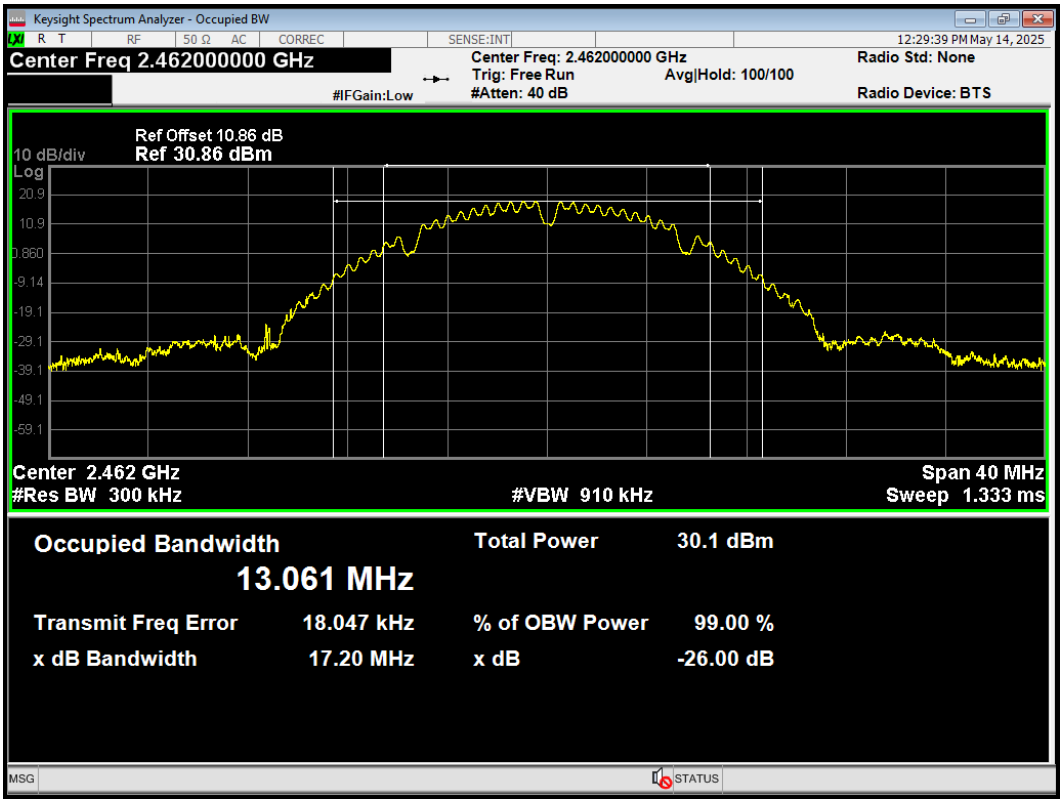
OBW 802.11b 2412MHz



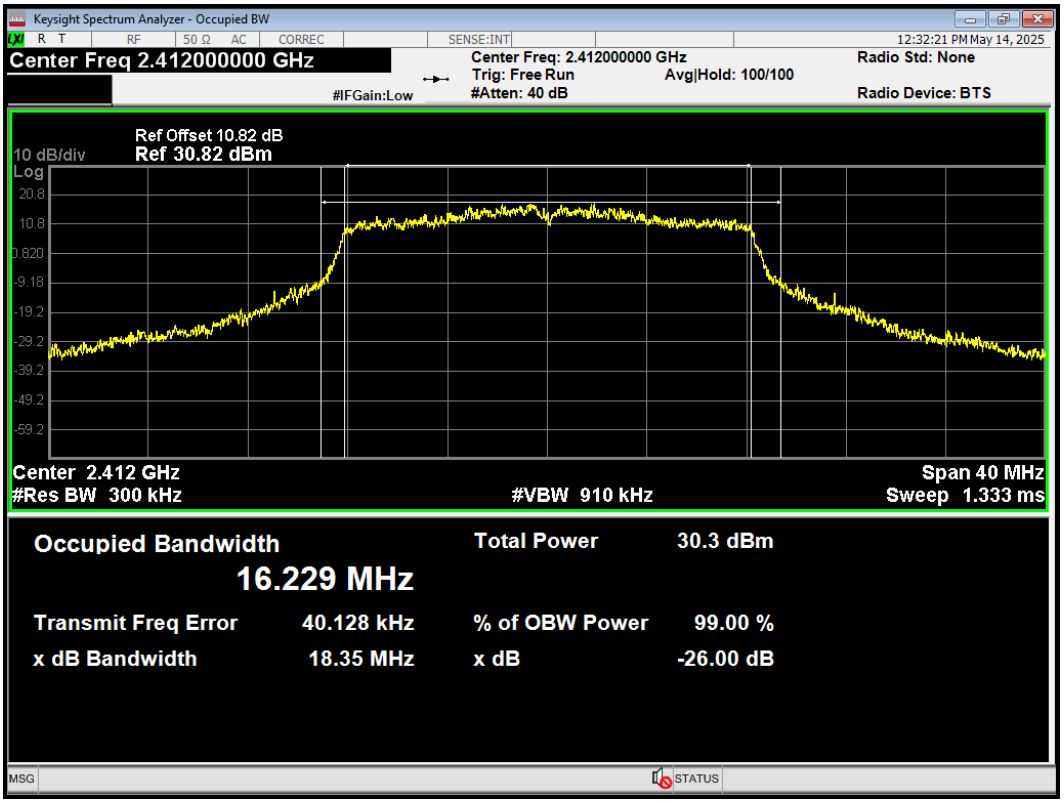
OBW 802.11b 2437MHz



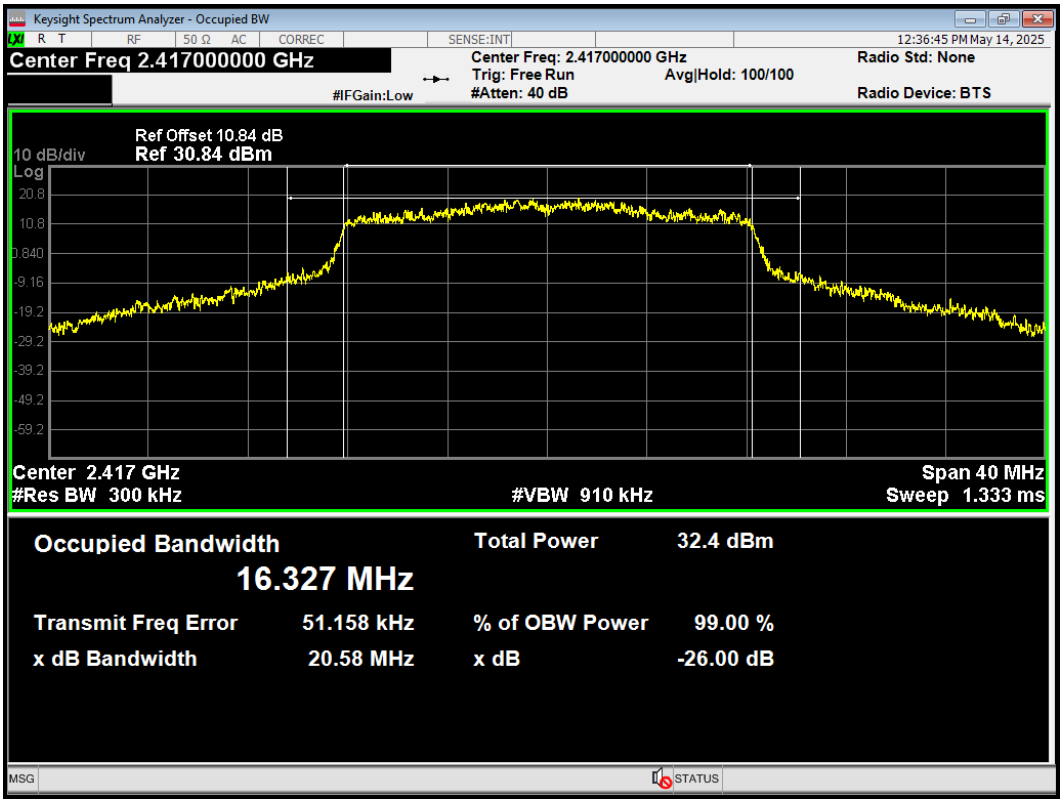
OBW 802.11b 2462MHz



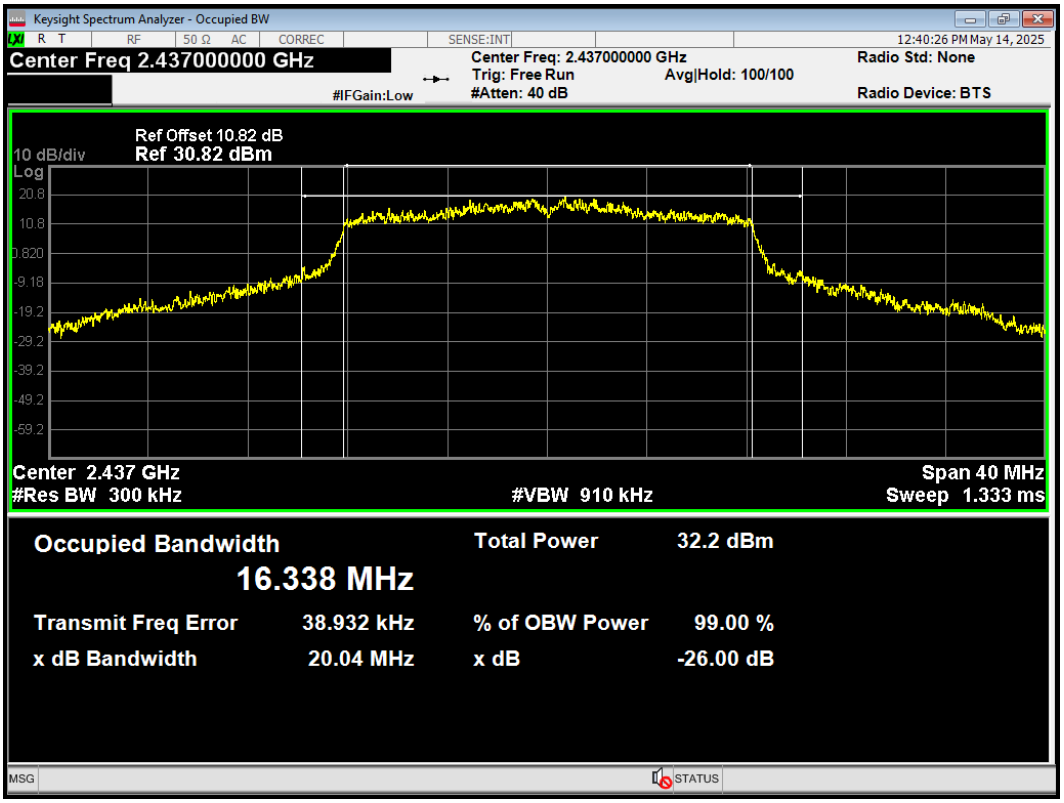
OBW 802.11g 2412MHz



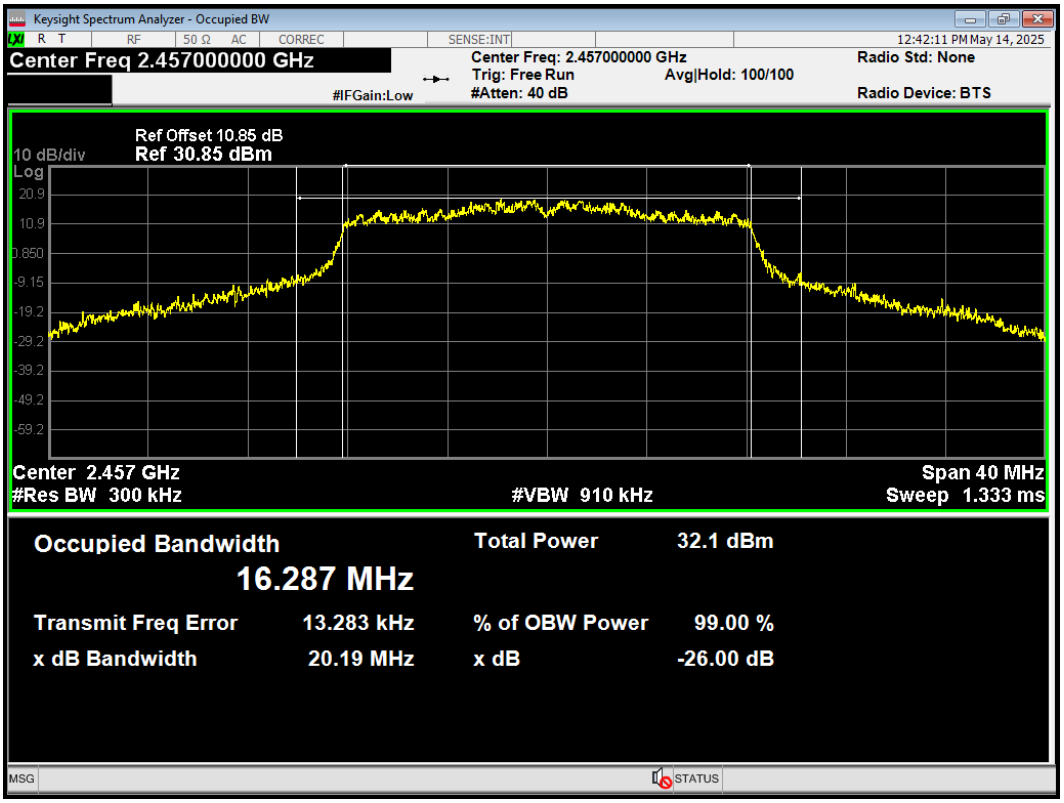
OBW 802.11g 2417MHz



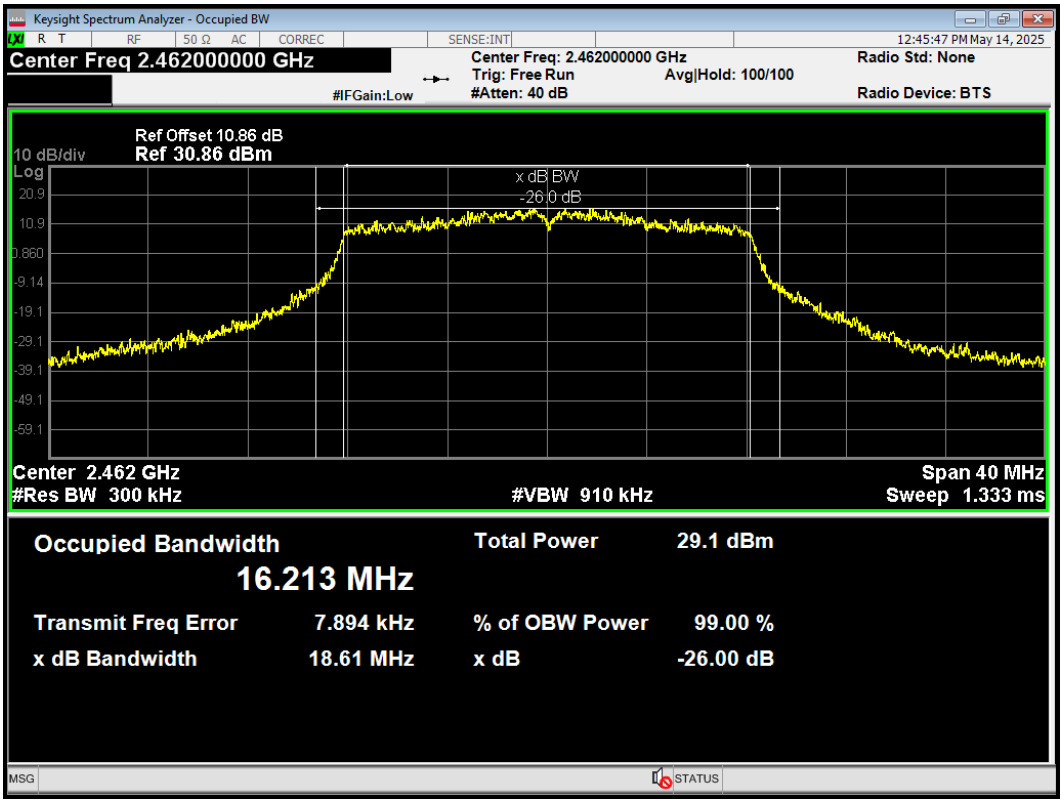
OBW 802.11g 2437MHz



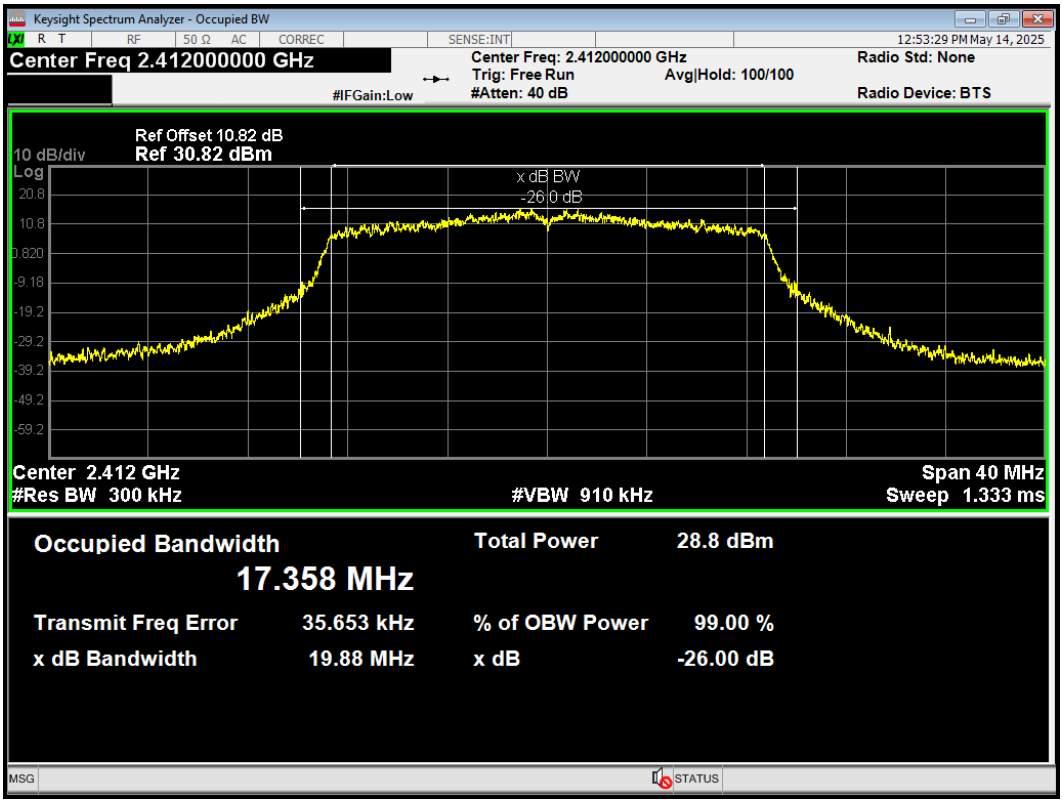
OBW 802.11g 2457MHz



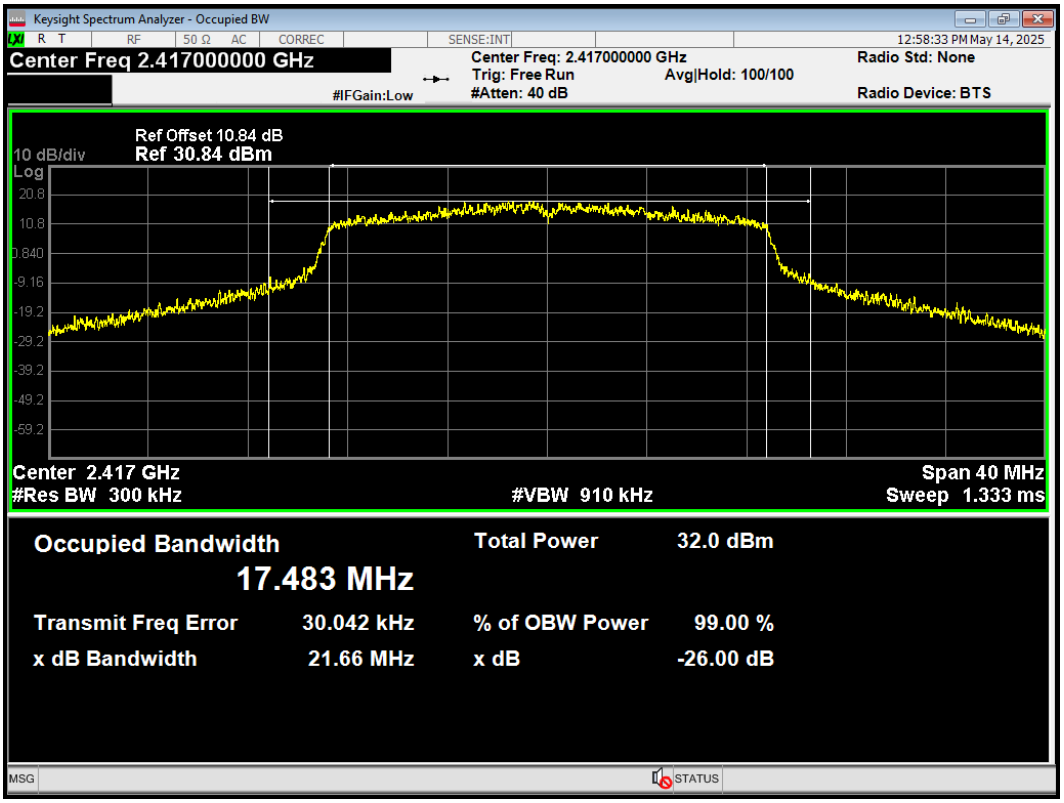
OBW 802.11g 2462MHz



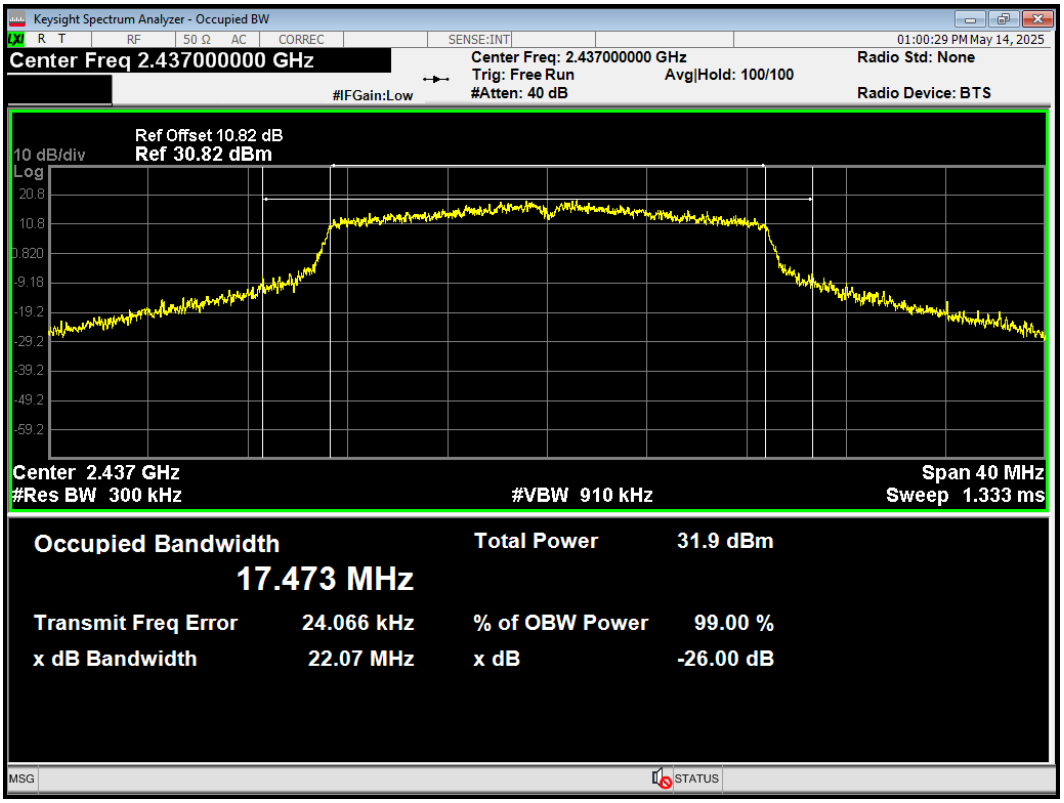
OBW 802.11n(HT20) 2412MHz



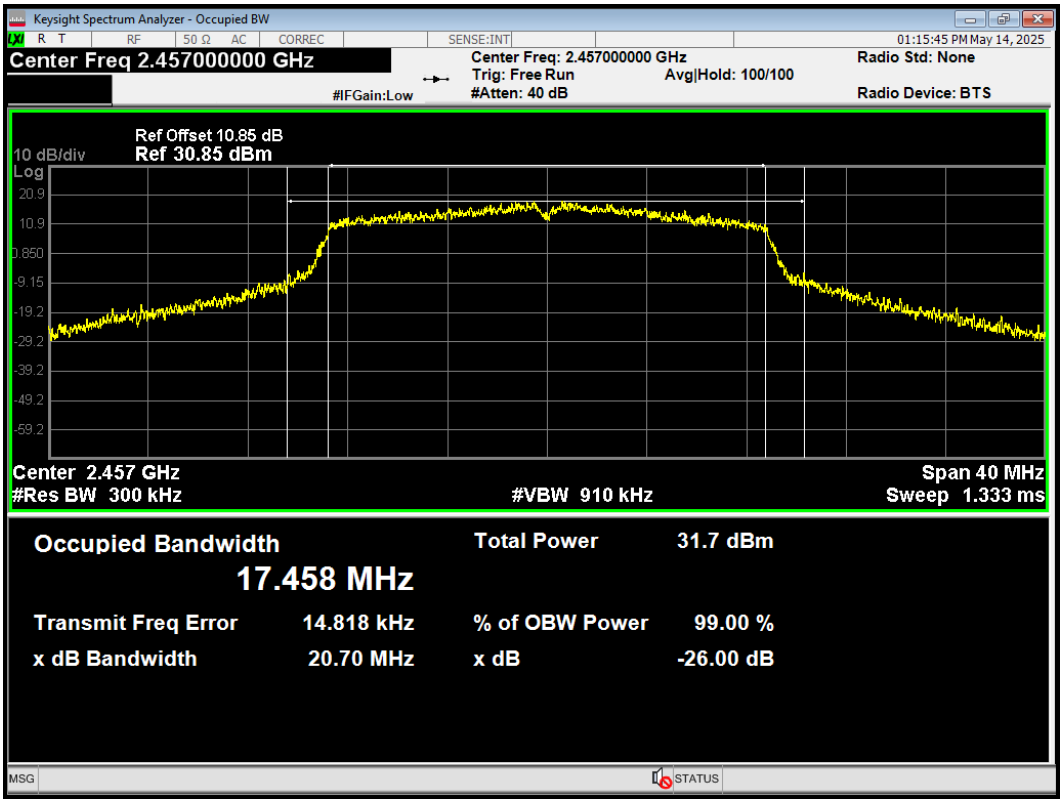
OBW 802.11n(HT20) 2417MHz



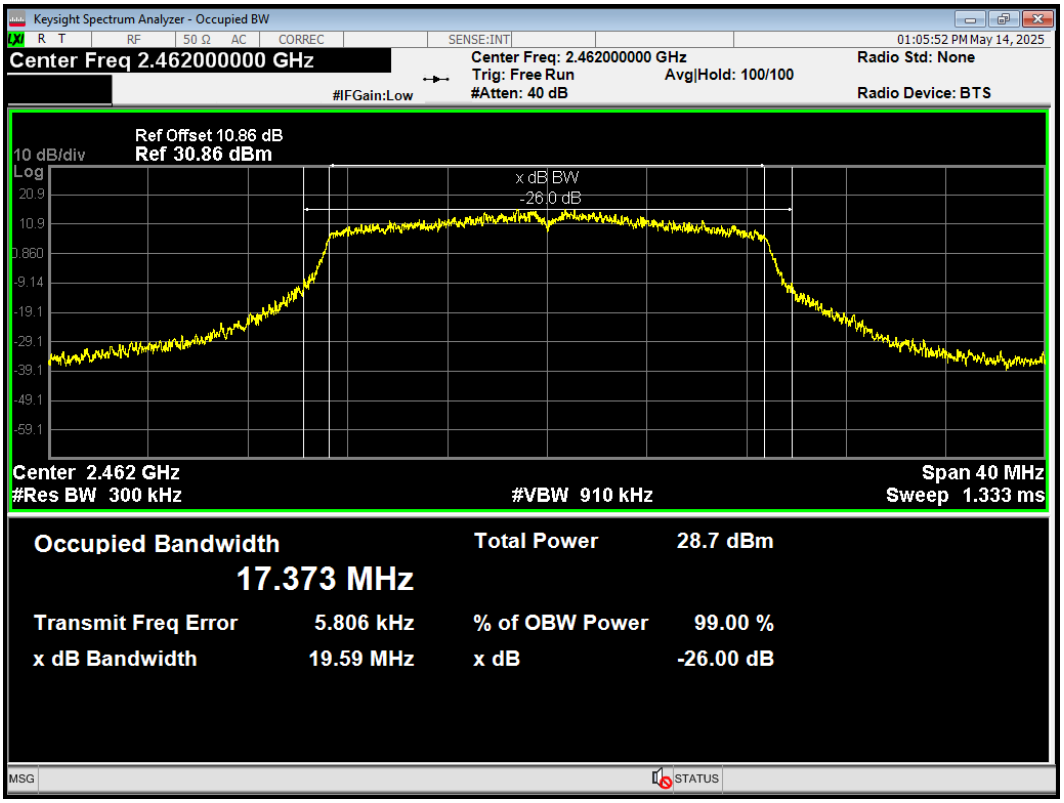
OBW 802.11n(HT20) 2437MHz



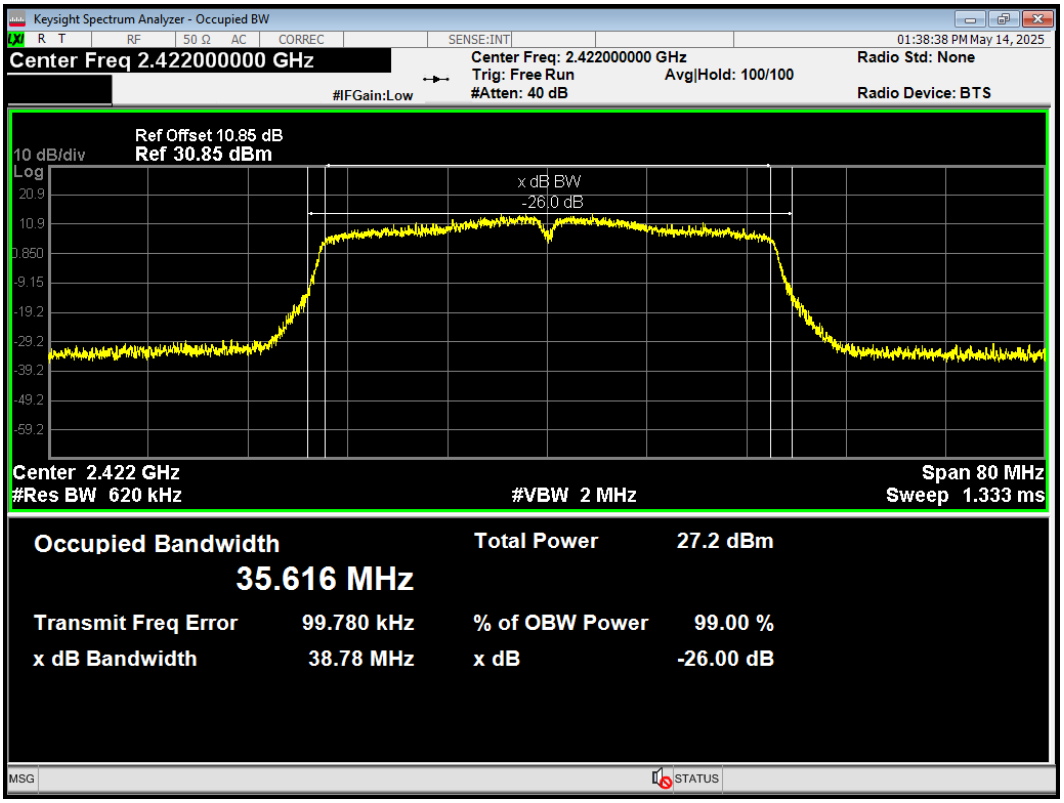
OBW 802.11n(HT20) 2457MHz



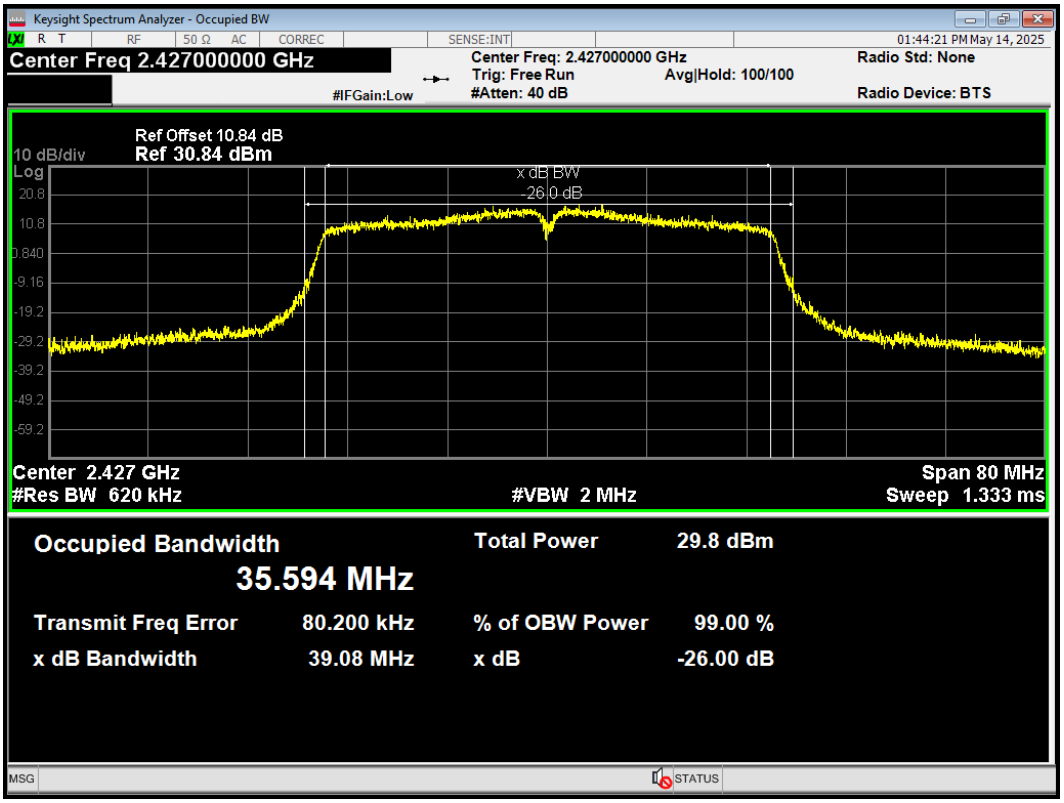
OBW 802.11n(HT20) 2462MHz



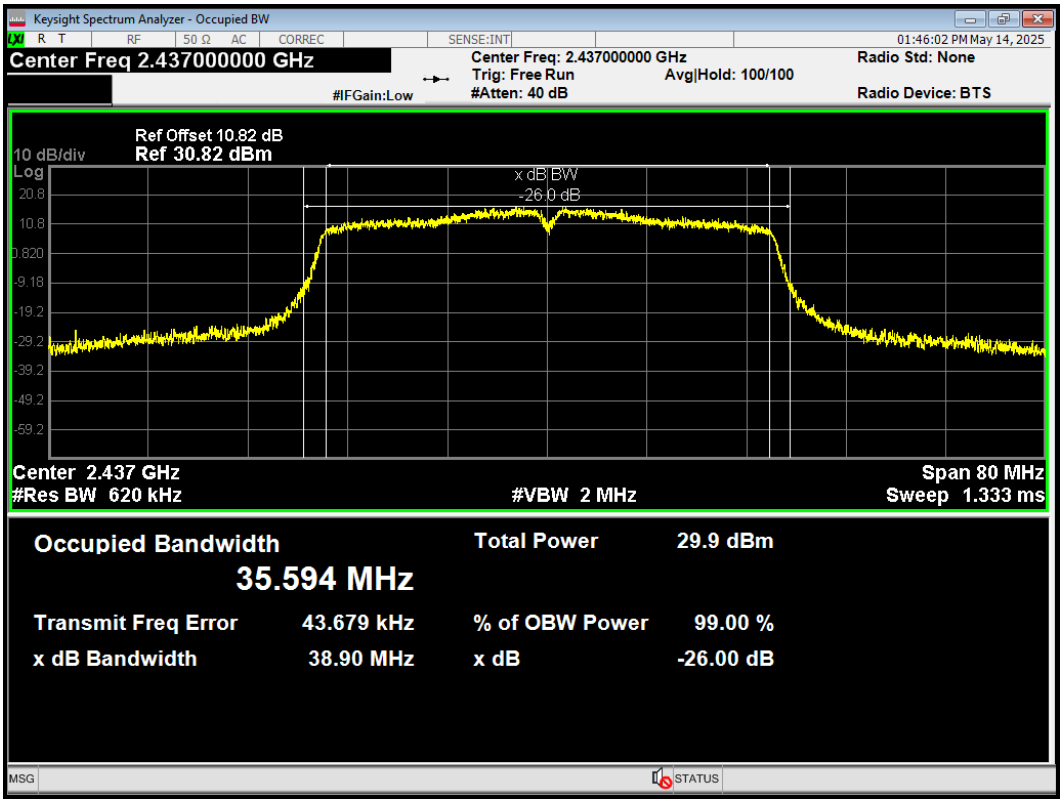
OBW 802.11n(HT40) 2422MHz



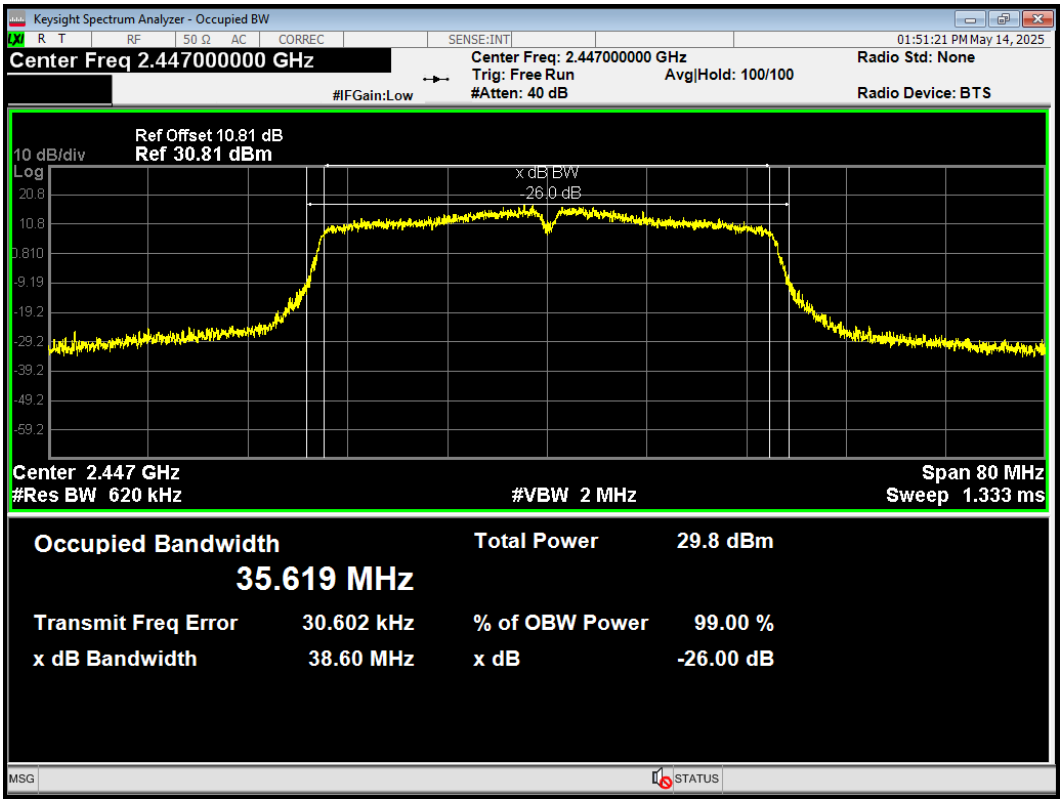
OBW 802.11n(HT40) 2427MHz



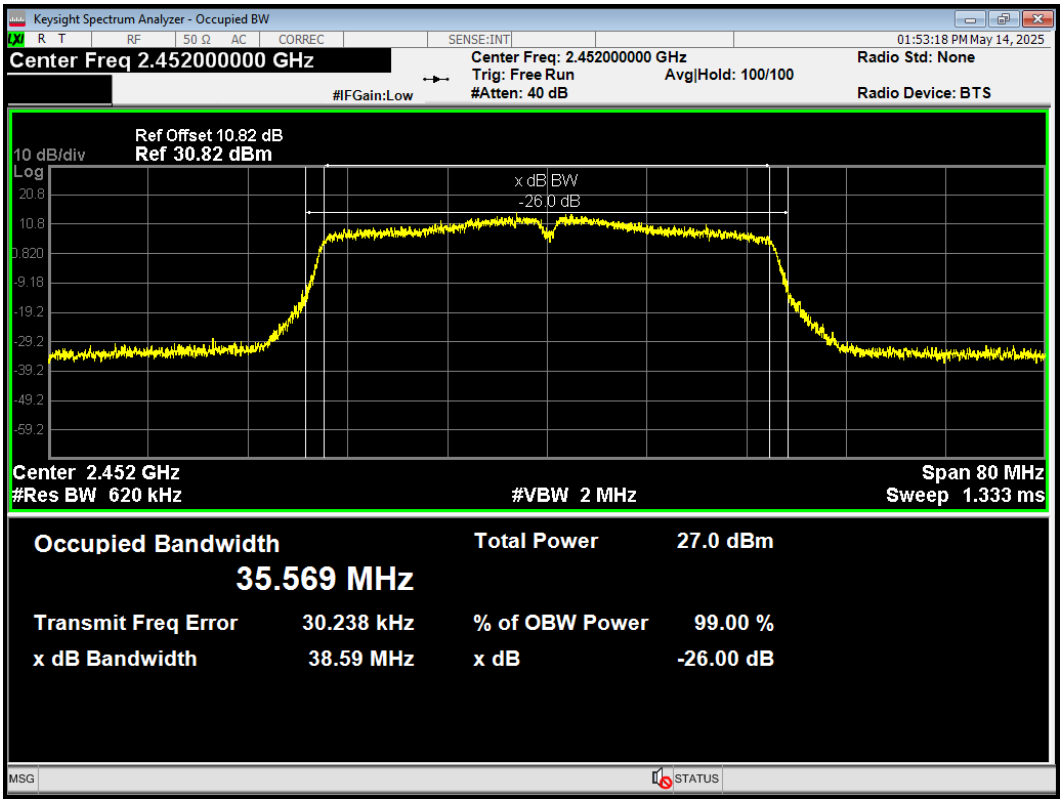
OBW 802.11n(HT40) 2437MHz



OBW 802.11n(HT40) 2447MHz

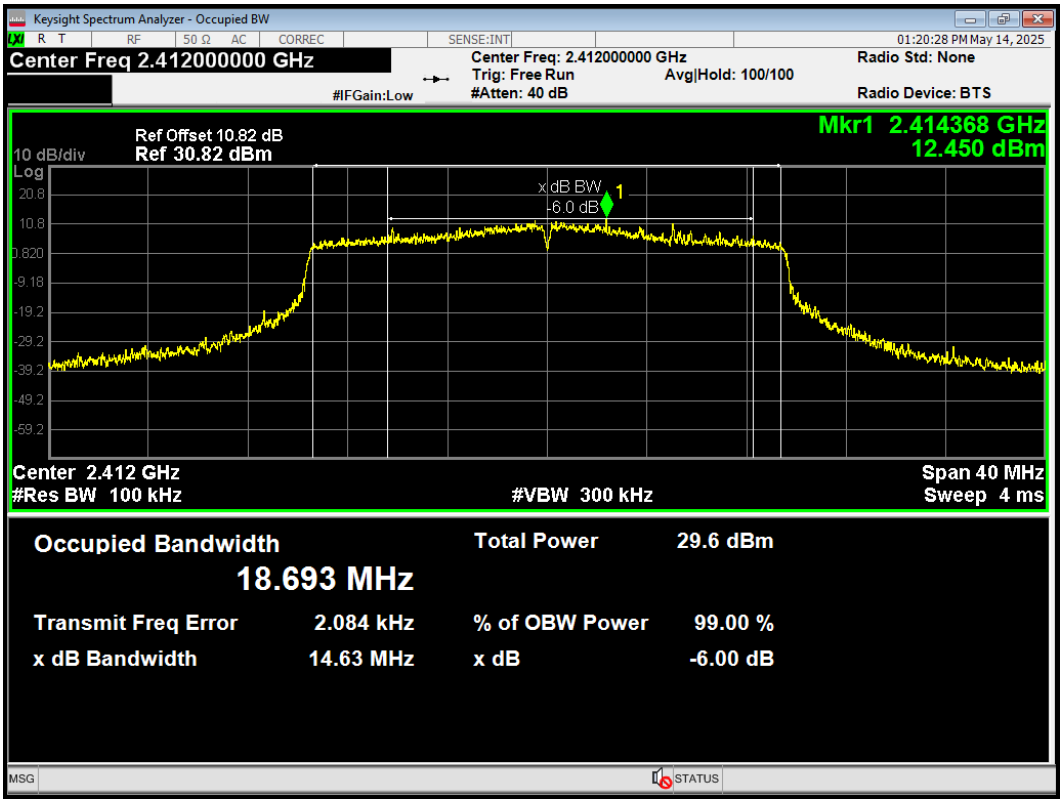


OBW 802.11n(HT40) 2452MHz

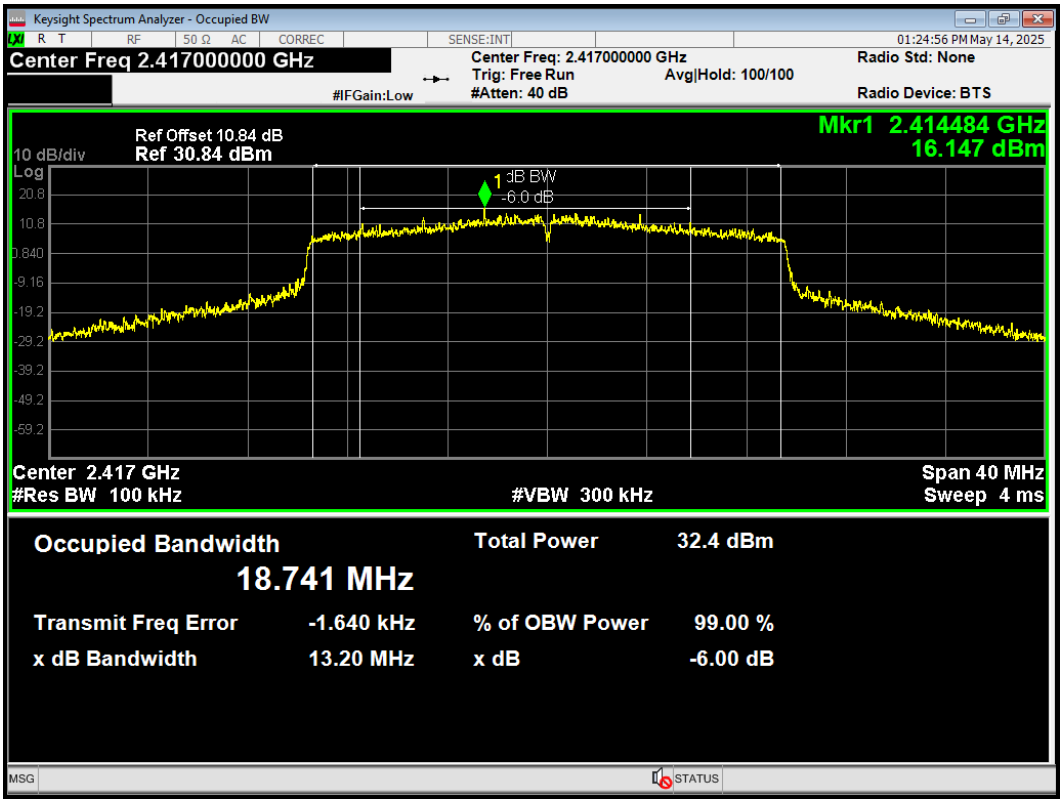


6 dB bandwidth

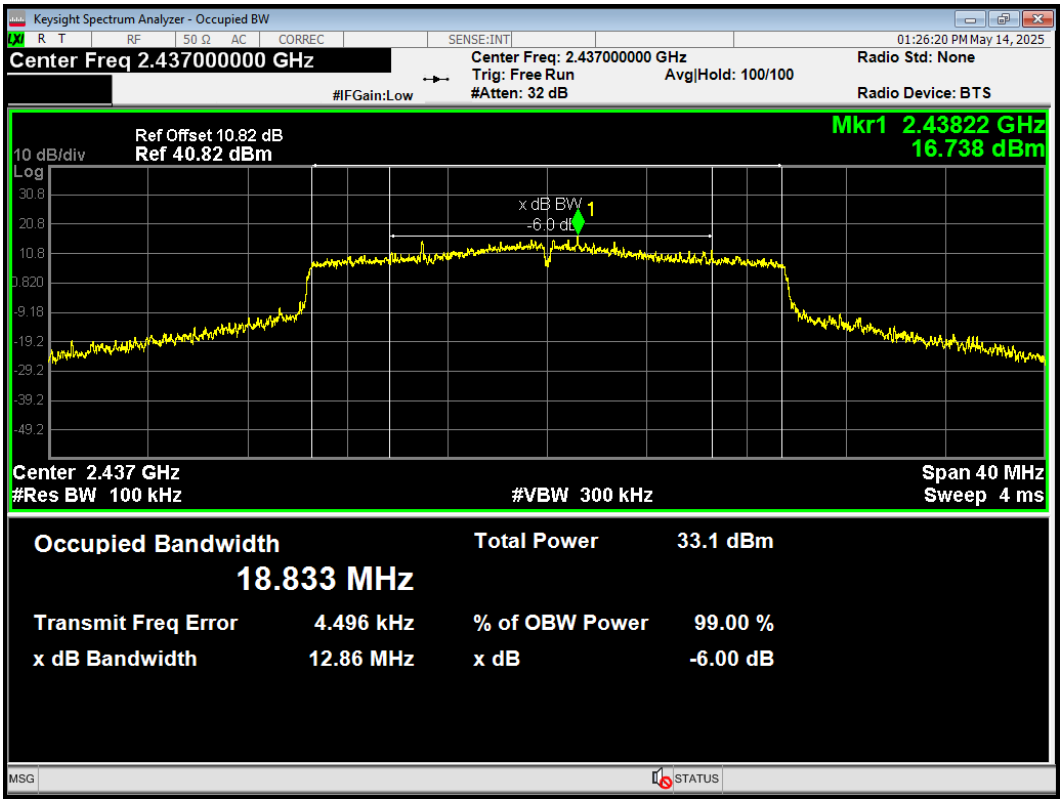
-6dB Bandwidth 802.11ax(HE20) 2412MHz



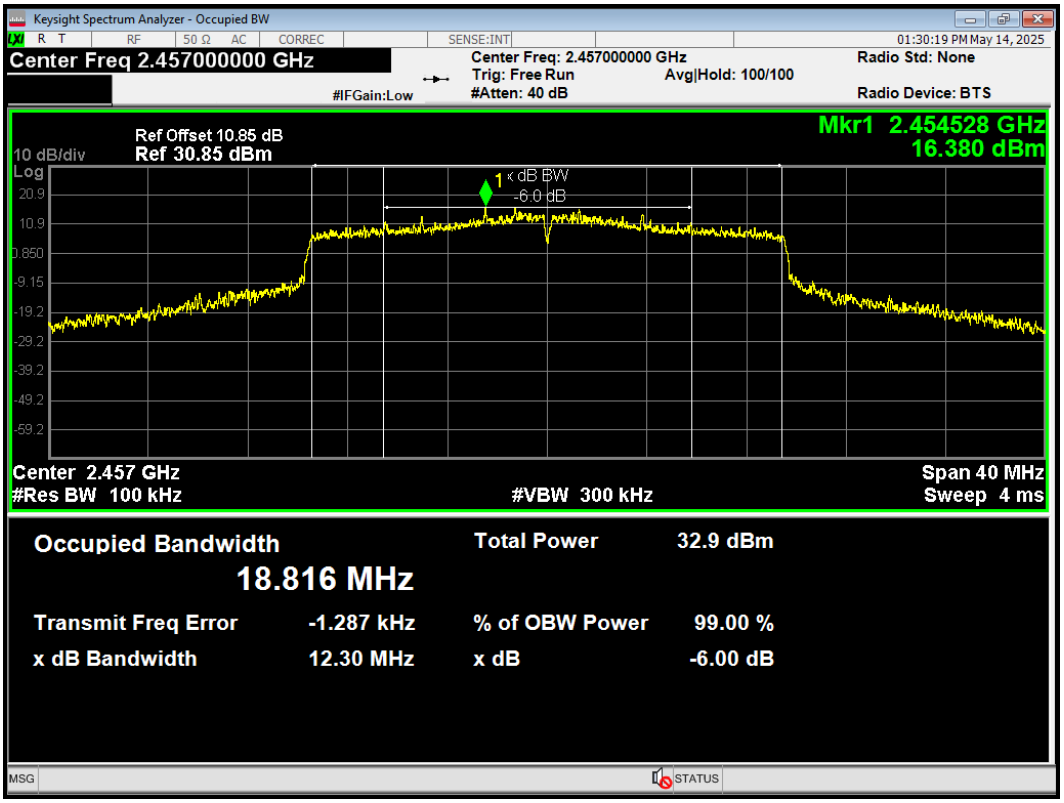
-6dB Bandwidth 802.11ax(HE20) 2417MHz



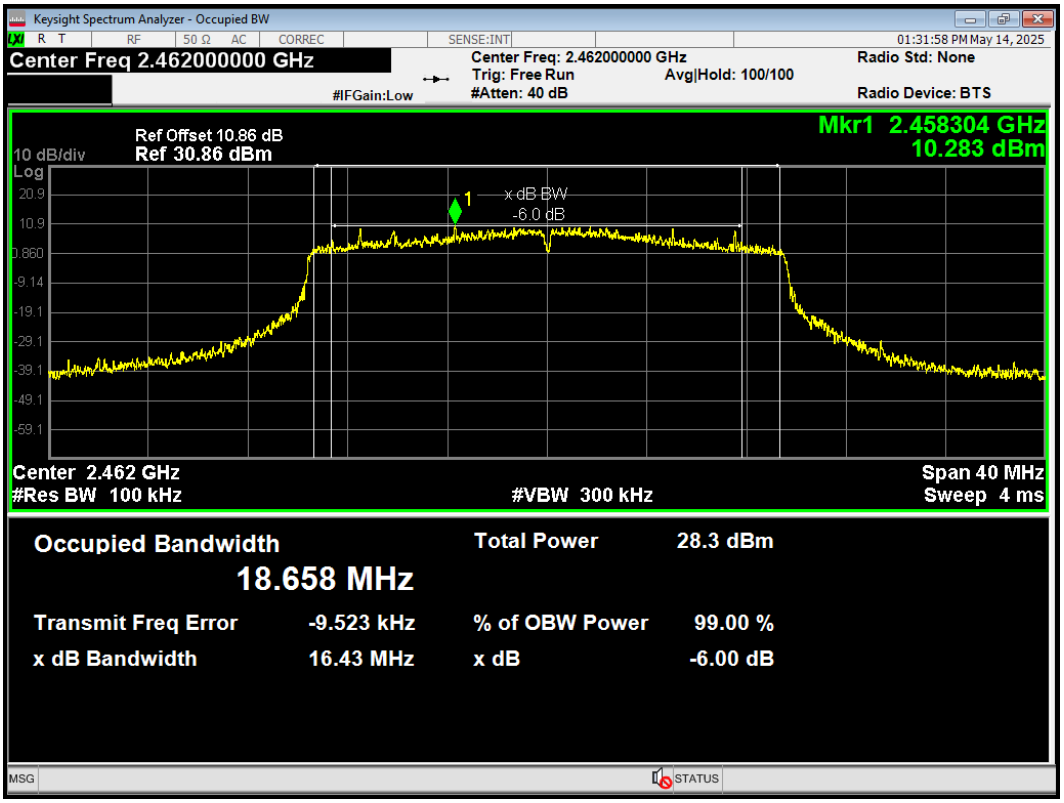
-6dB Bandwidth 802.11ax(HE20) 2437MHz



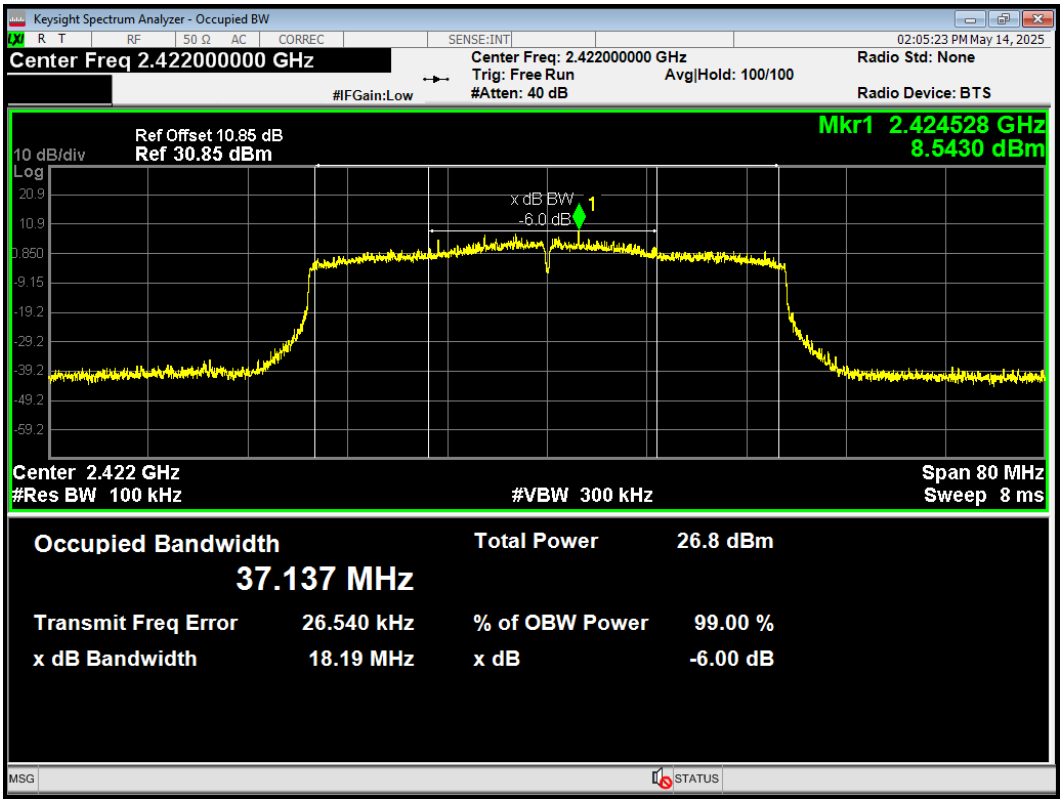
-6dB Bandwidth 802.11ax(HE20) 2457MHz



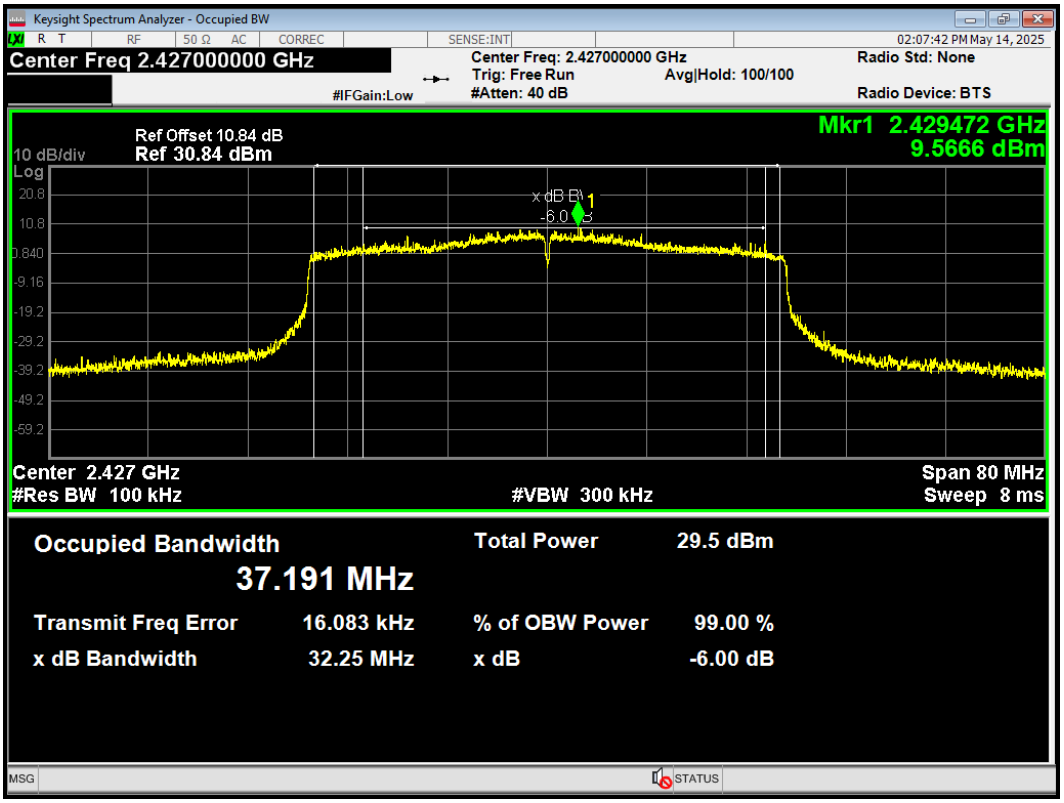
-6dB Bandwidth 802.11ax(HE20) 2462MHz



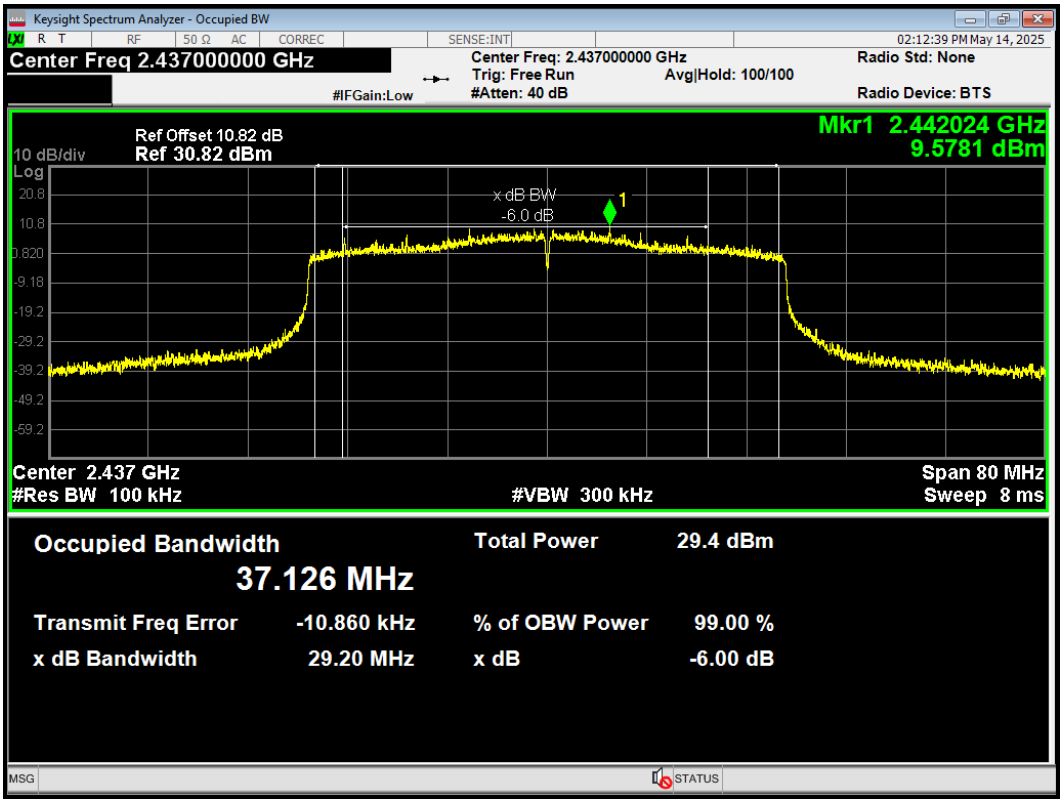
-6dB Bandwidth 802.11ax(HE40) 2422MHz



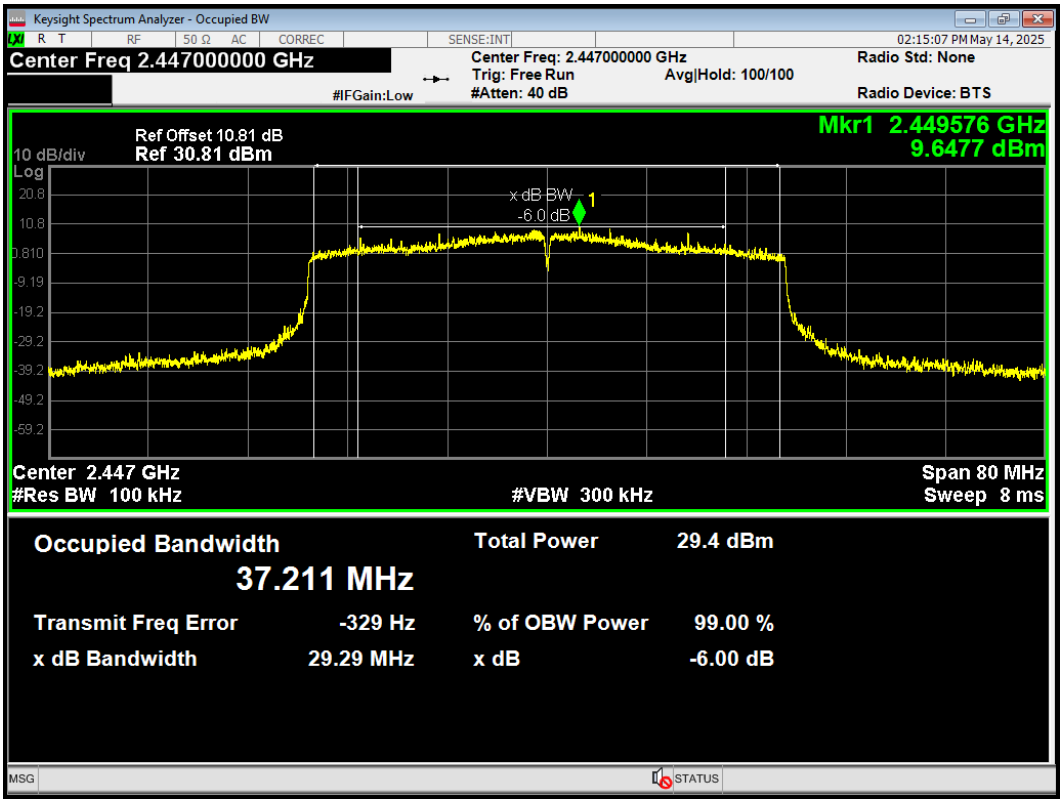
-6dB Bandwidth 802.11ax(HE40) 2427MHz



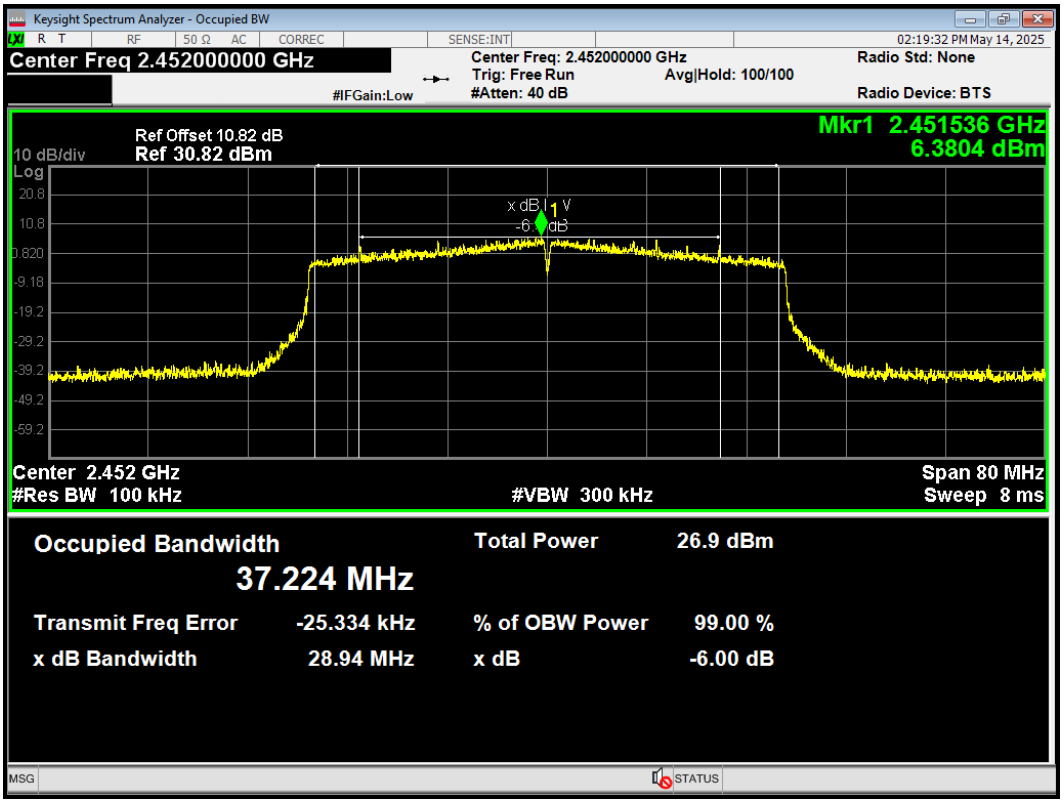
-6dB Bandwidth 802.11ax(HE40) 2437MHz



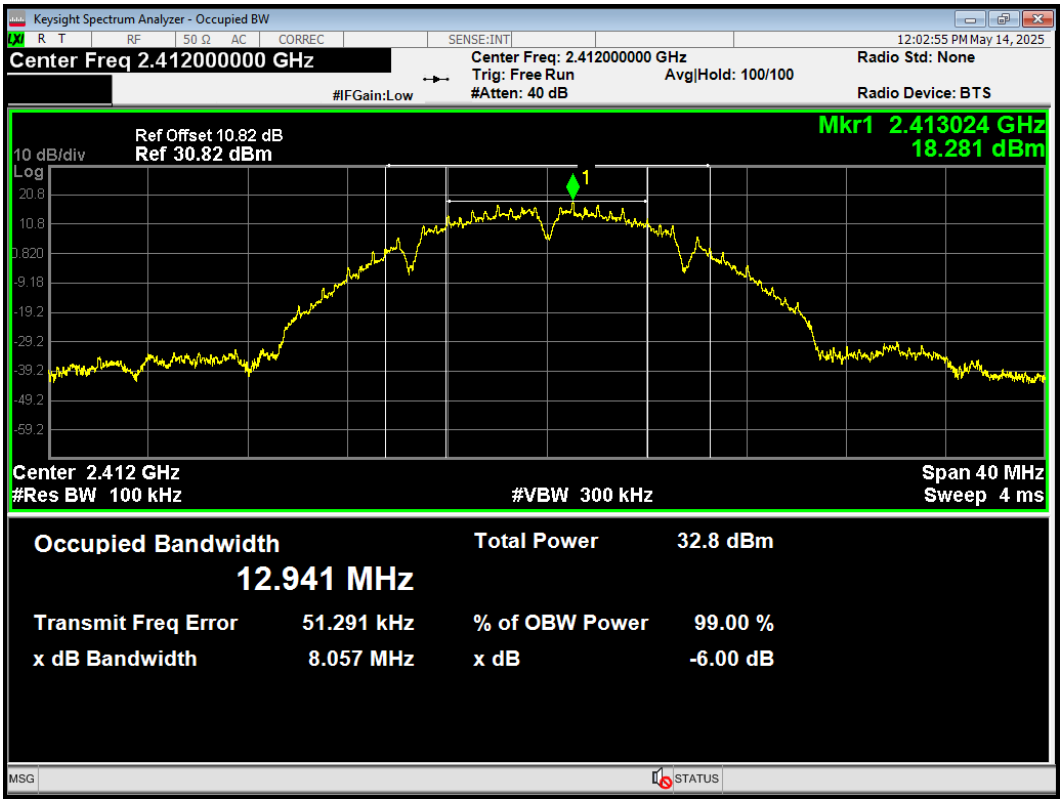
-6dB Bandwidth 802.11ax(HE40) 2447MHz



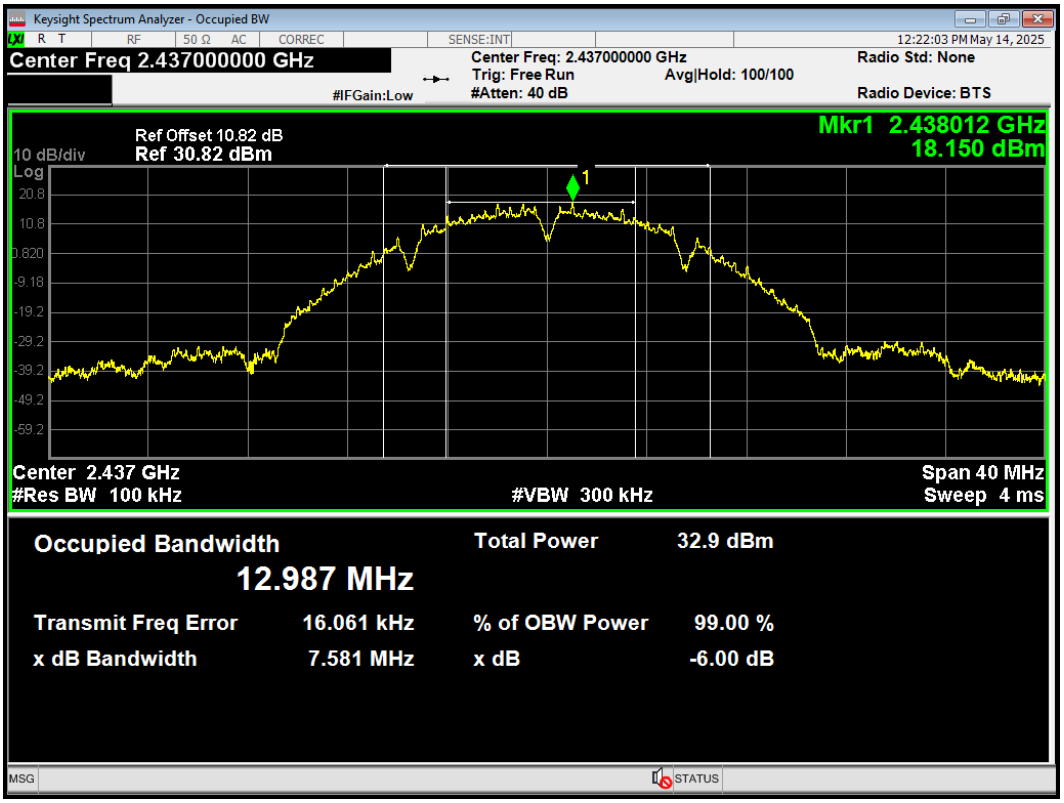
-6dB Bandwidth 802.11ax(HE40) 2452MHz



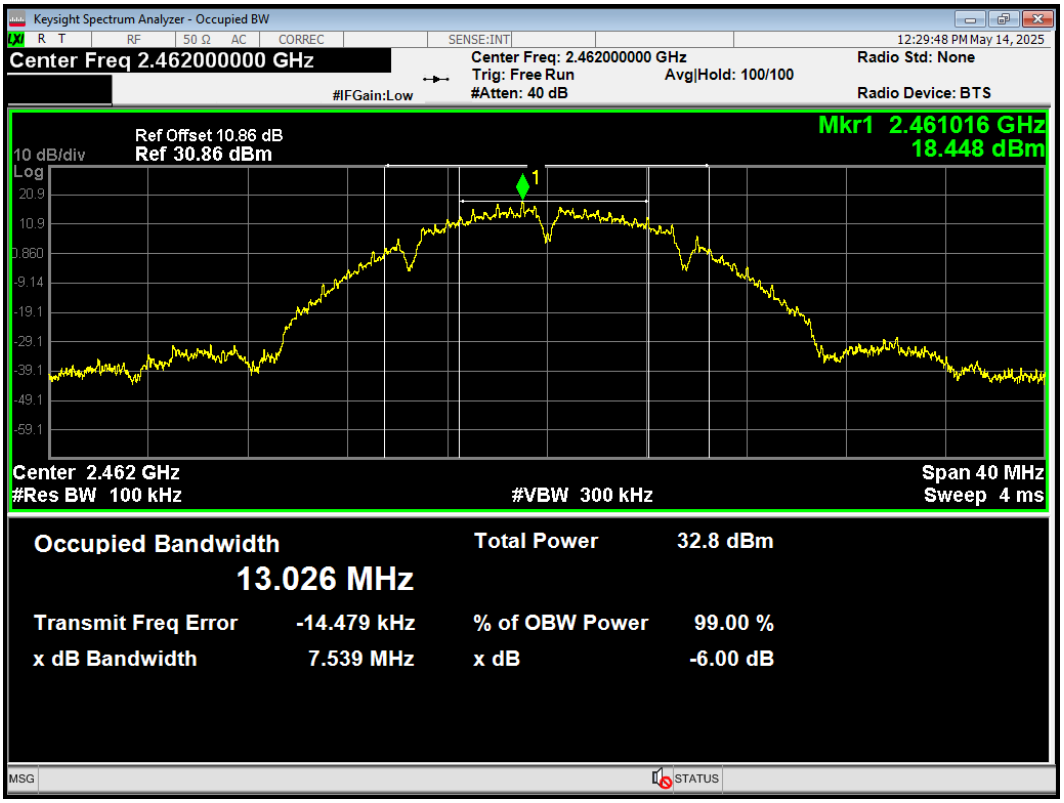
-6dB Bandwidth 802.11b 2412MHz



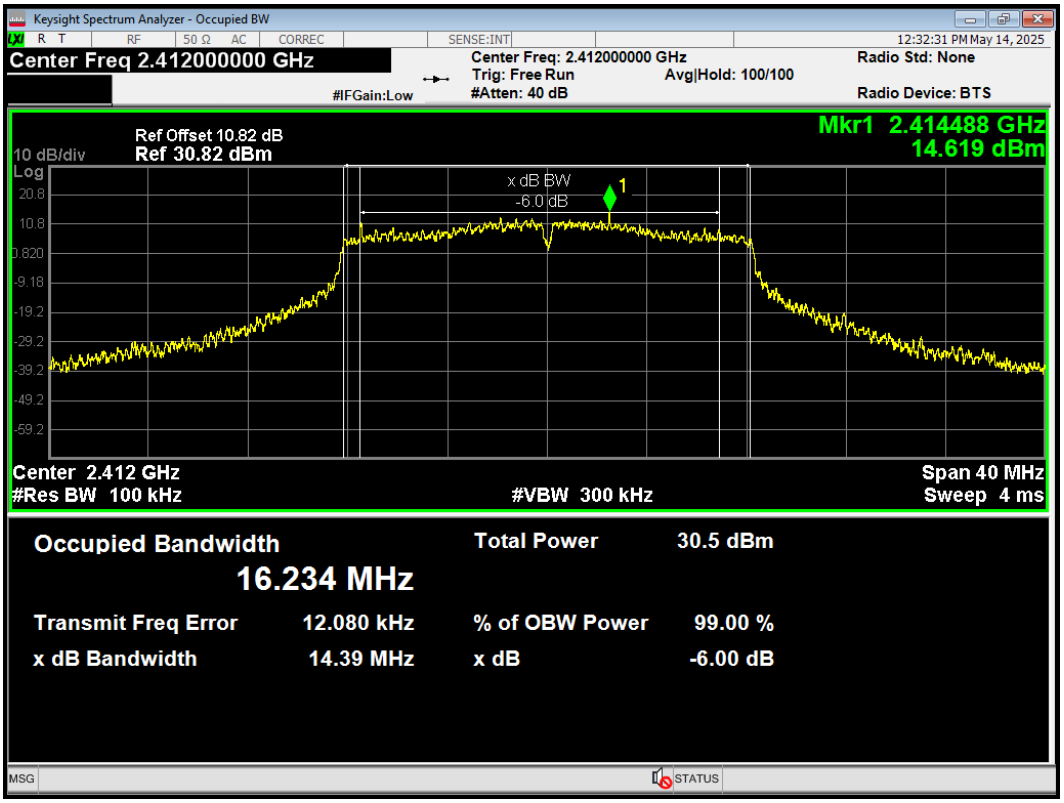
-6dB Bandwidth 802.11b 2437MHz



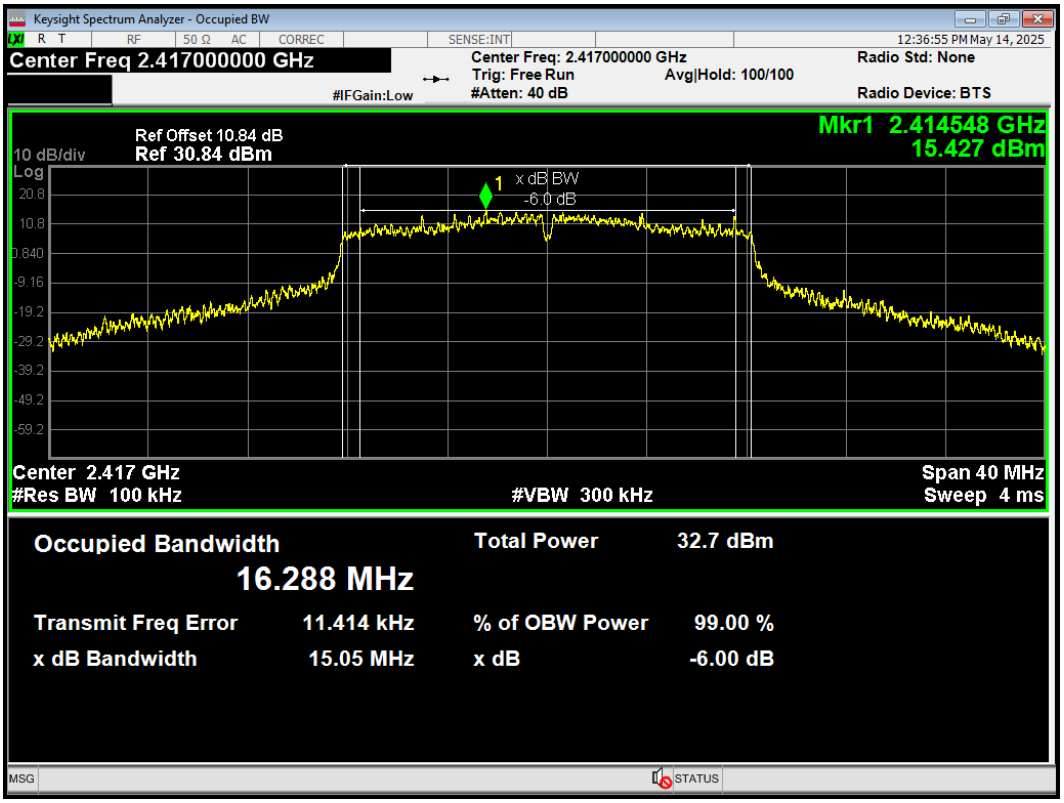
-6dB Bandwidth 802.11b 2462MHz



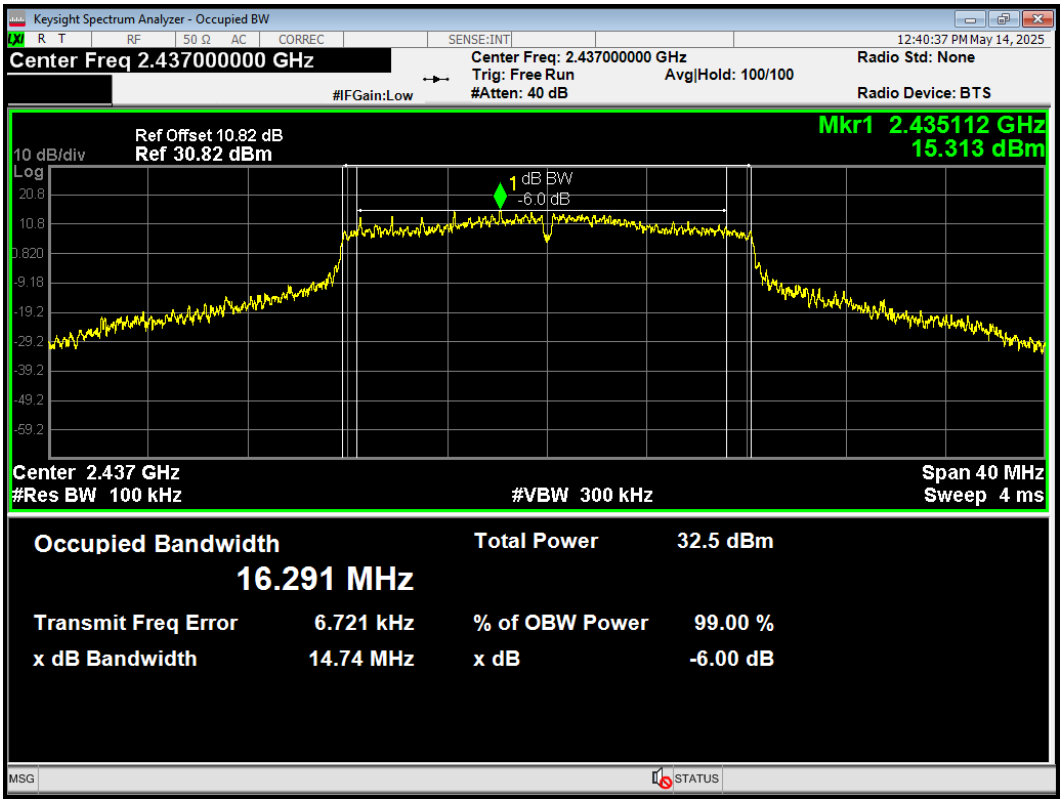
-6dB Bandwidth 802.11g 2412MHz



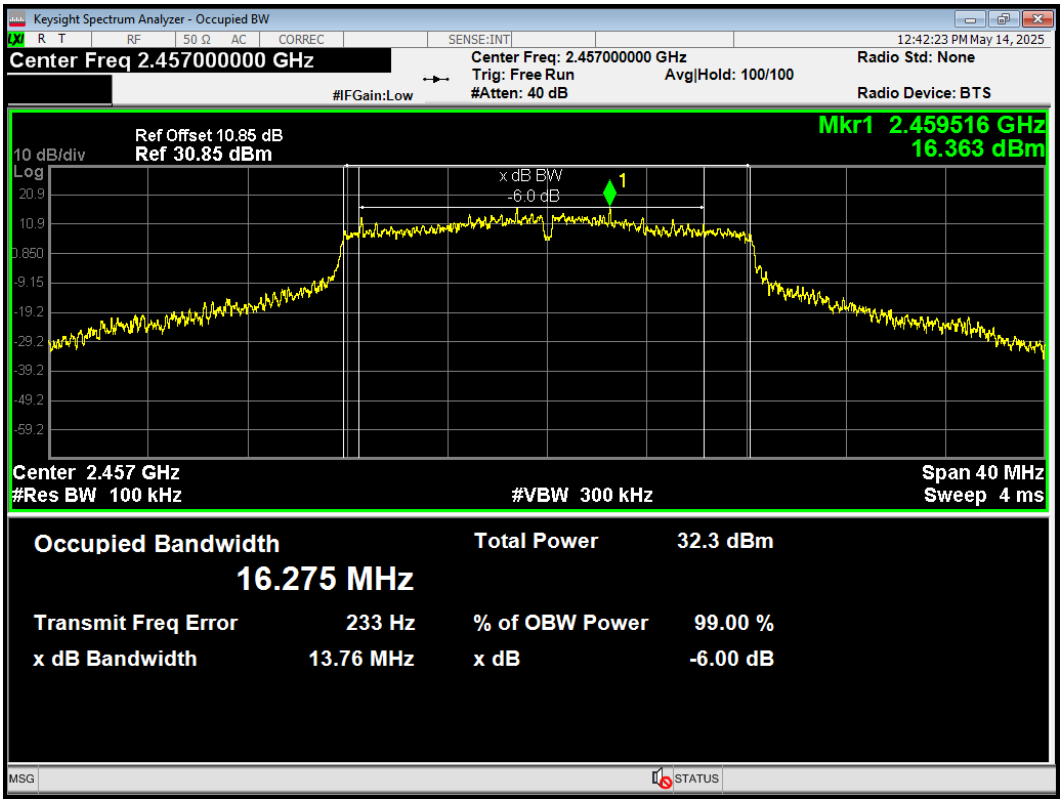
-6dB Bandwidth 802.11g 2417MHz



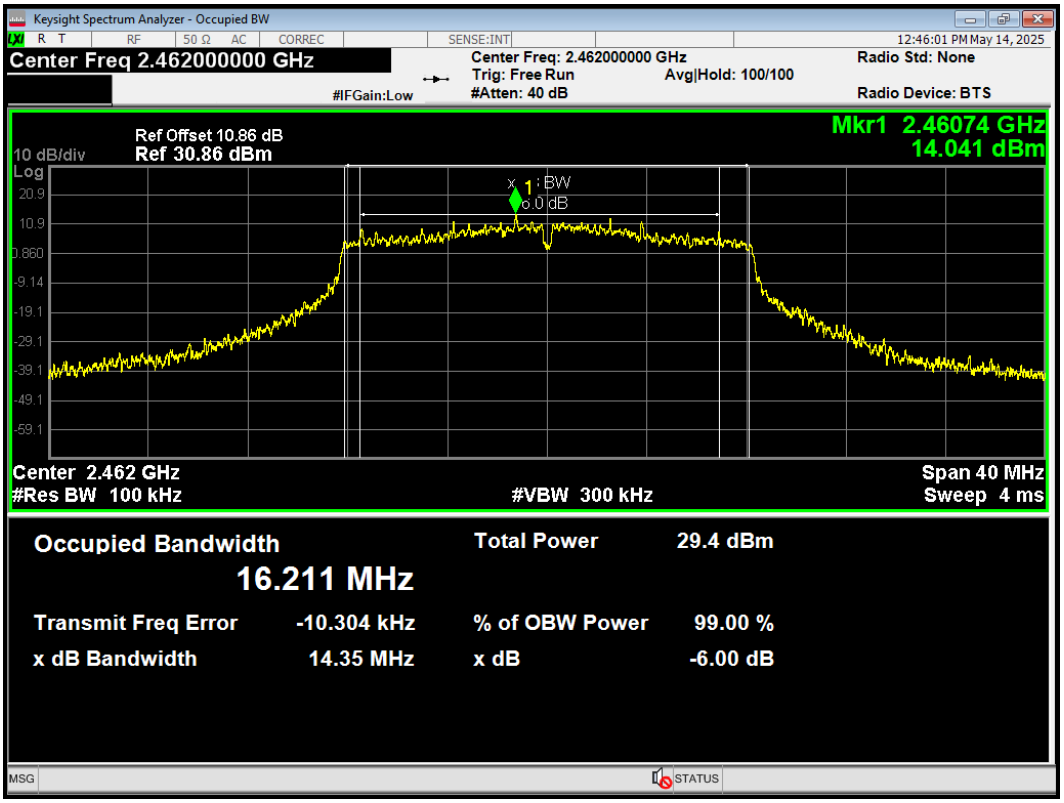
-6dB Bandwidth 802.11g 2437MHz



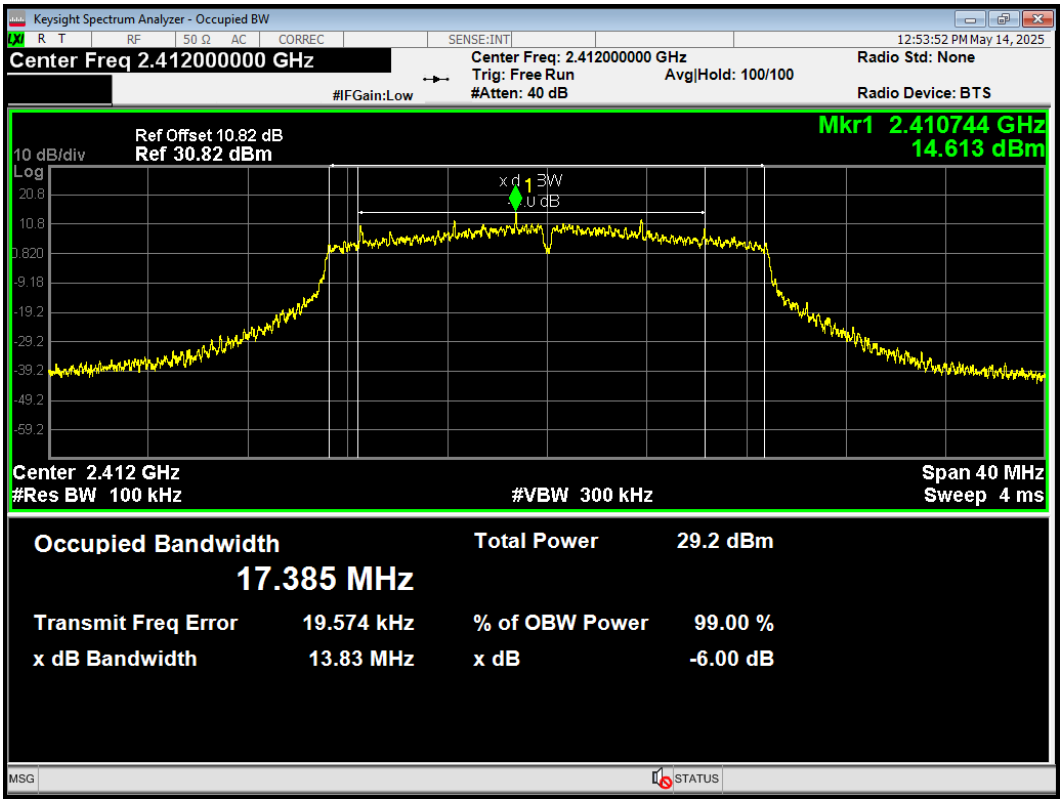
-6dB Bandwidth 802.11g 2457MHz



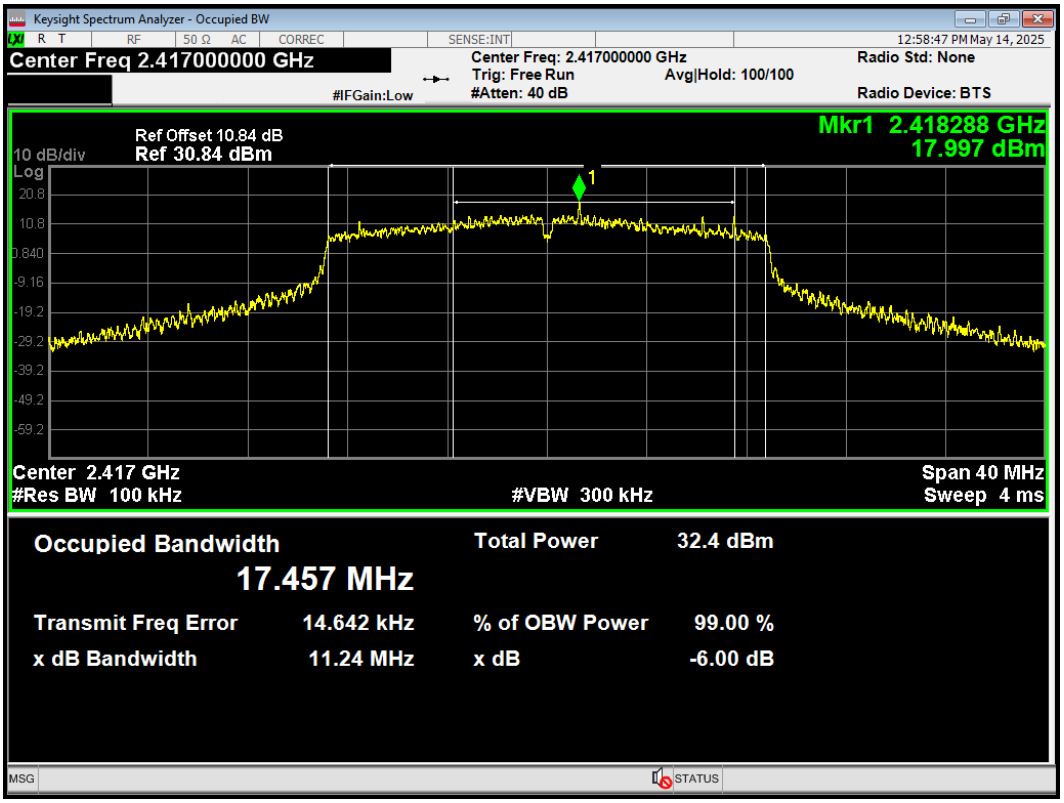
-6dB Bandwidth 802.11g 2462MHz



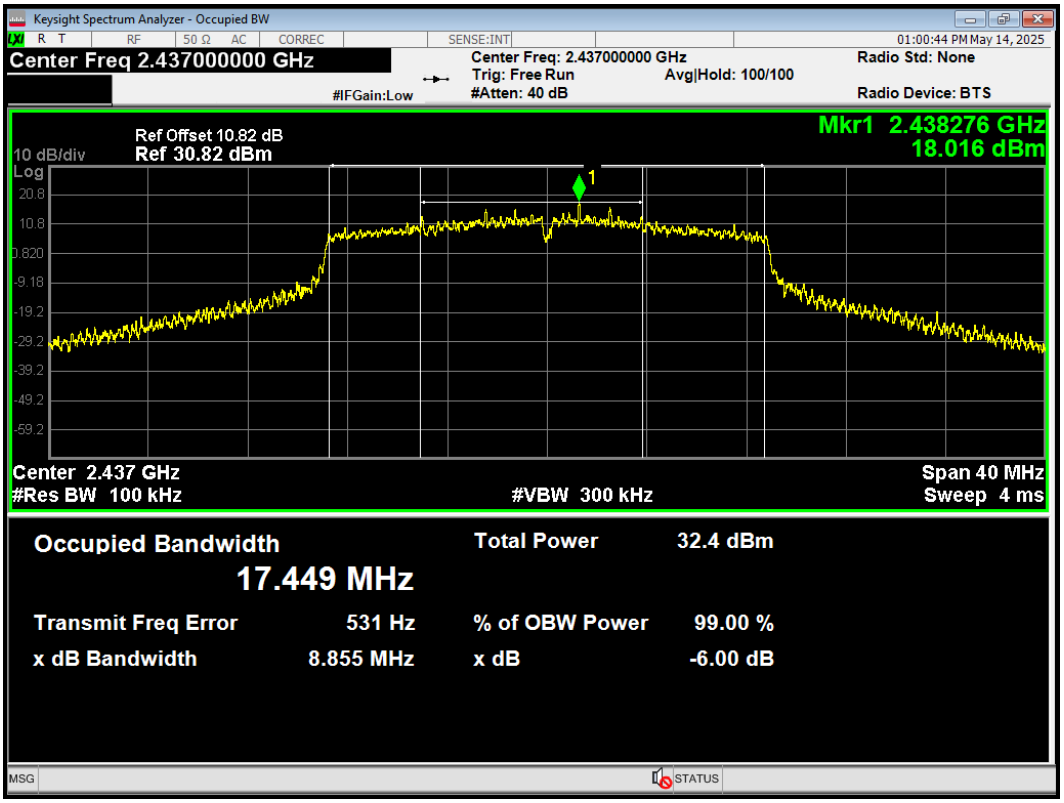
-6dB Bandwidth 802.11n(HT20) 2412MHz



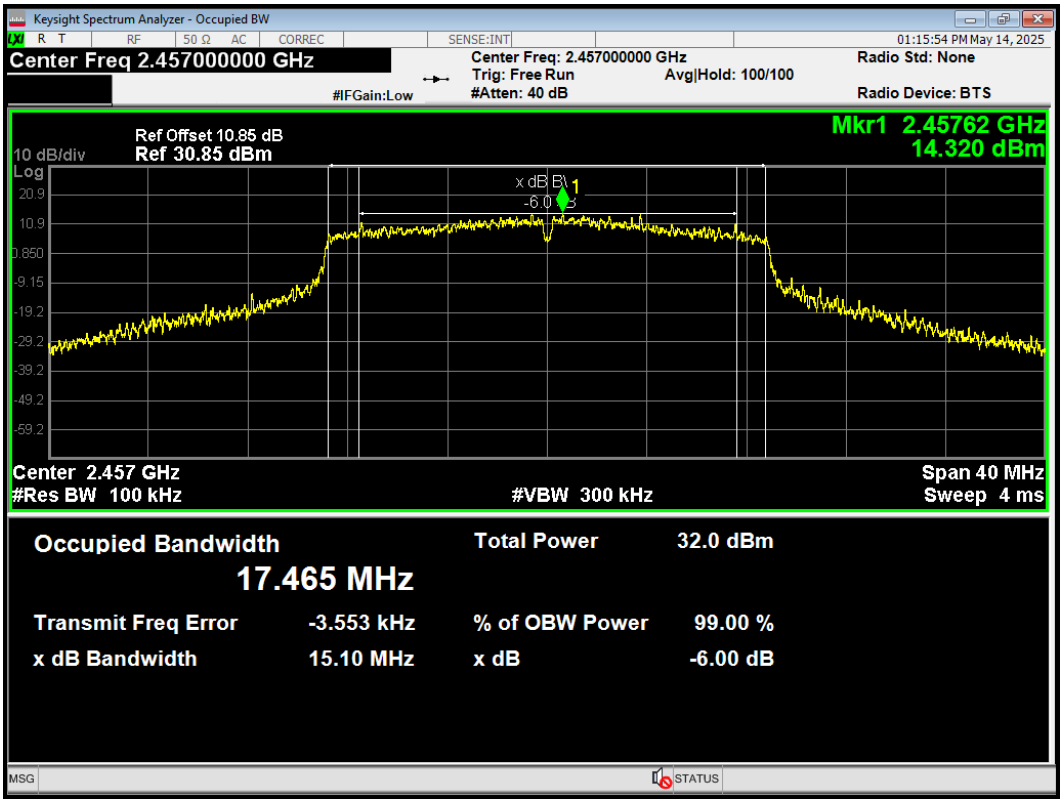
-6dB Bandwidth 802.11n(HT20) 2417MHz



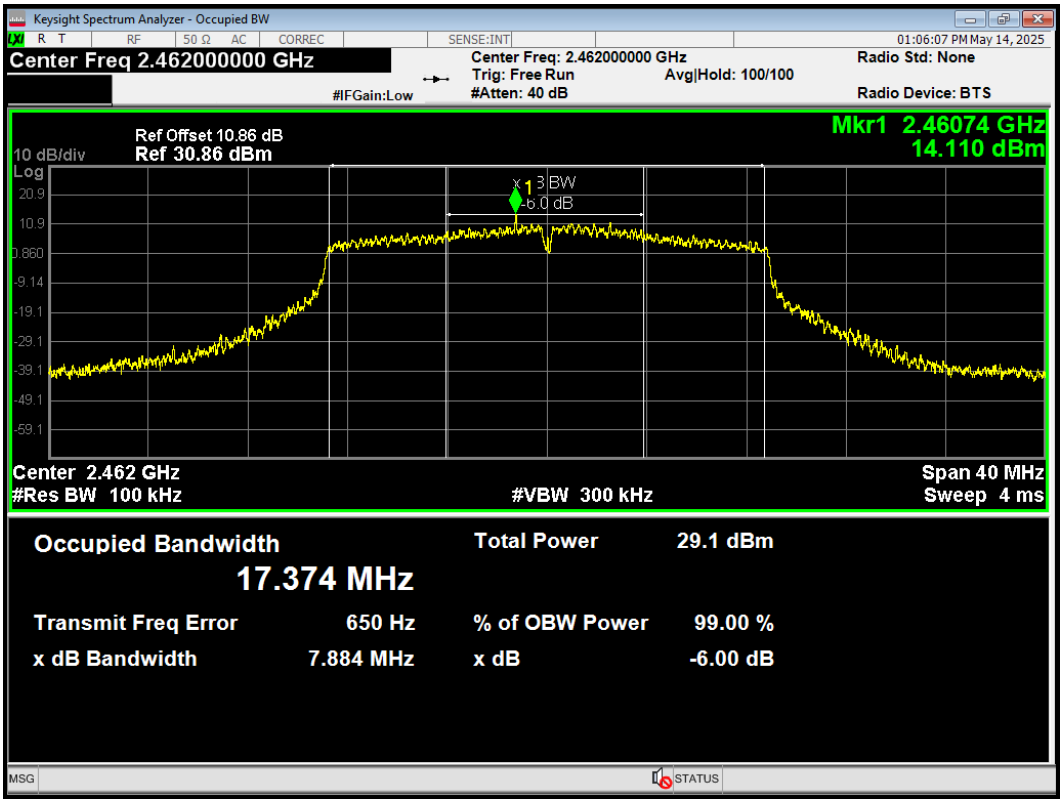
-6dB Bandwidth 802.11n(HT20) 2437MHz



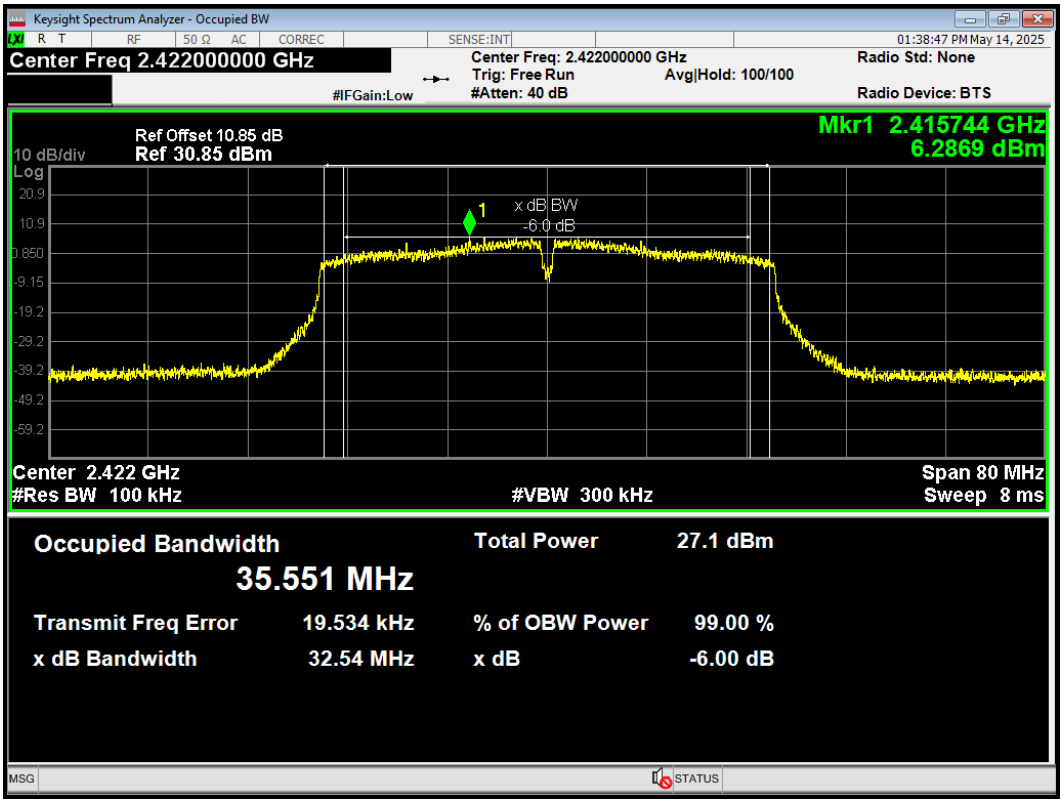
-6dB Bandwidth 802.11n(HT20) 2457MHz



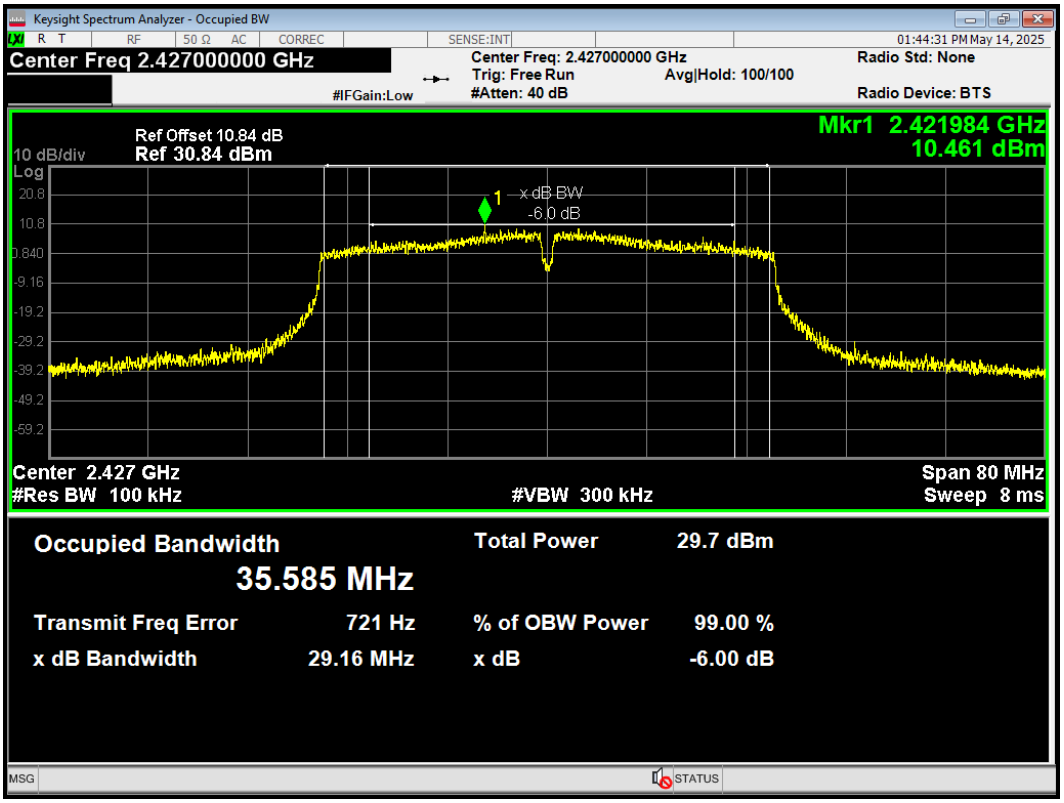
-6dB Bandwidth 802.11n(HT20) 2462MHz



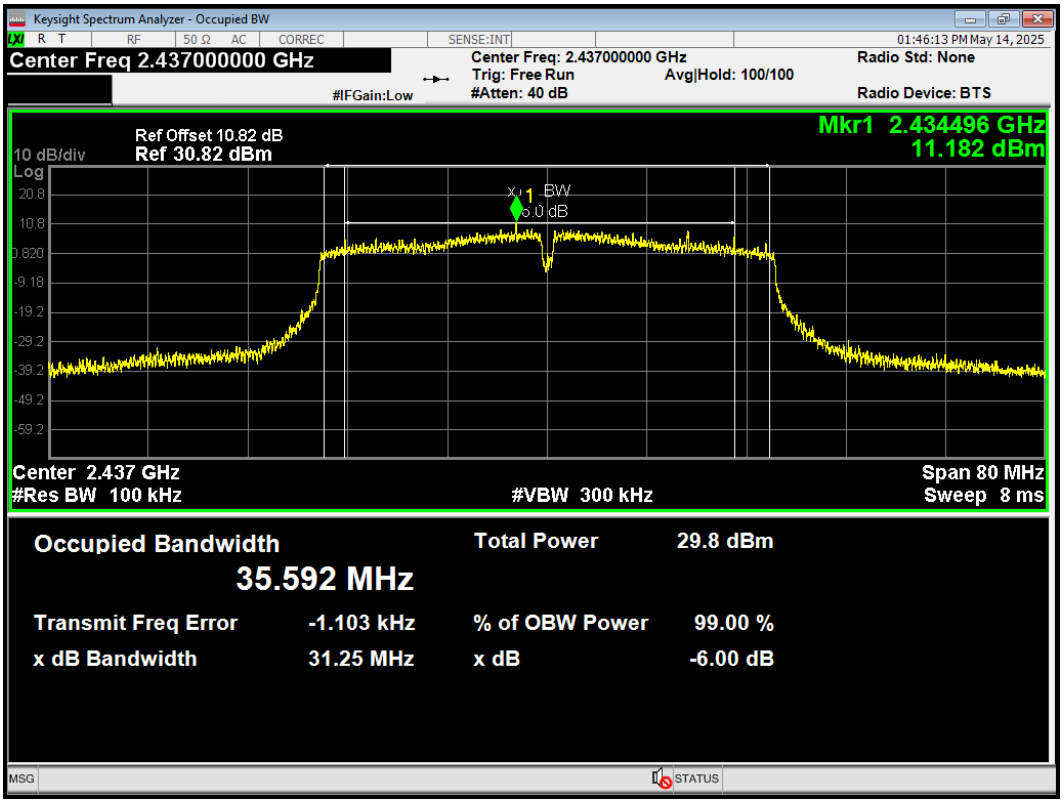
-6dB Bandwidth 802.11n(HT40) 2422MHz



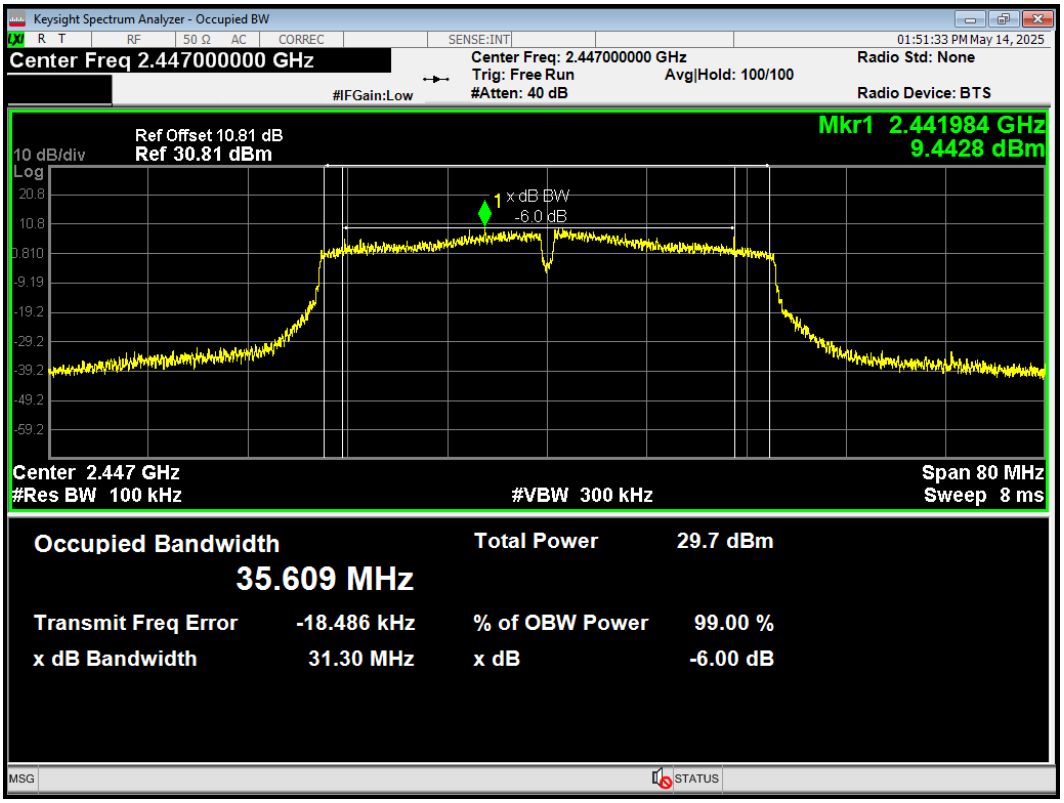
-6dB Bandwidth 802.11n(HT40) 2427MHz



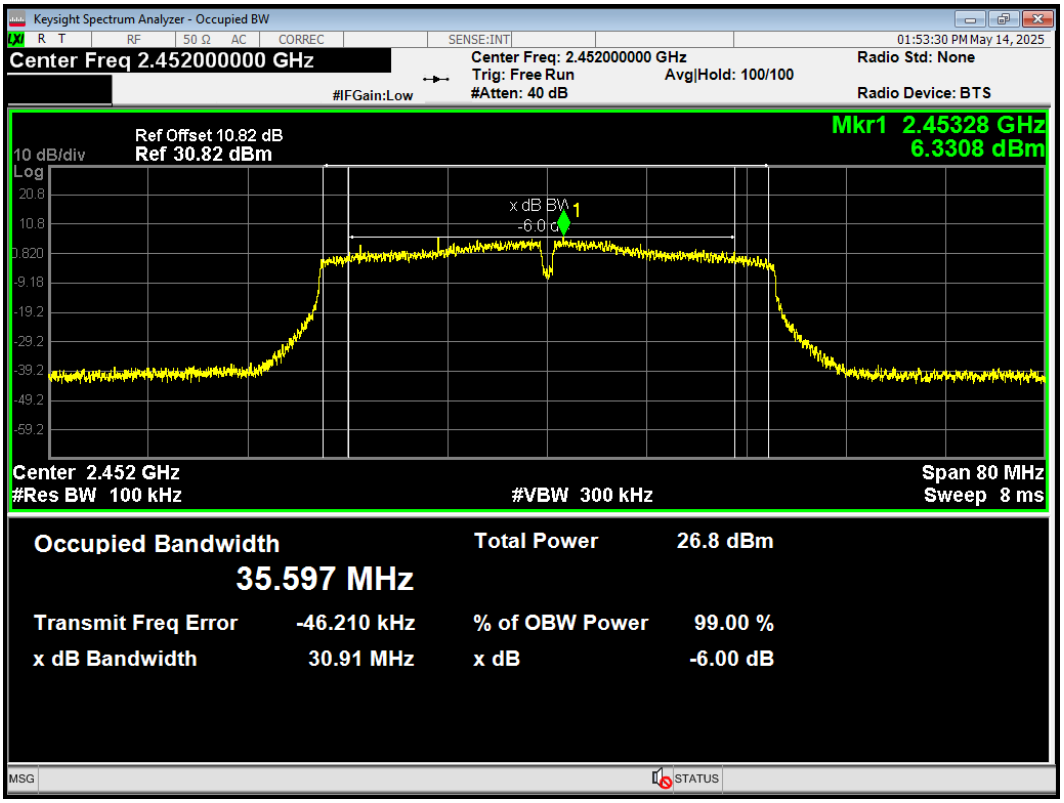
-6dB Bandwidth 802.11n(HT40) 2437MHz



-6dB Bandwidth 802.11n(HT40) 2447MHz



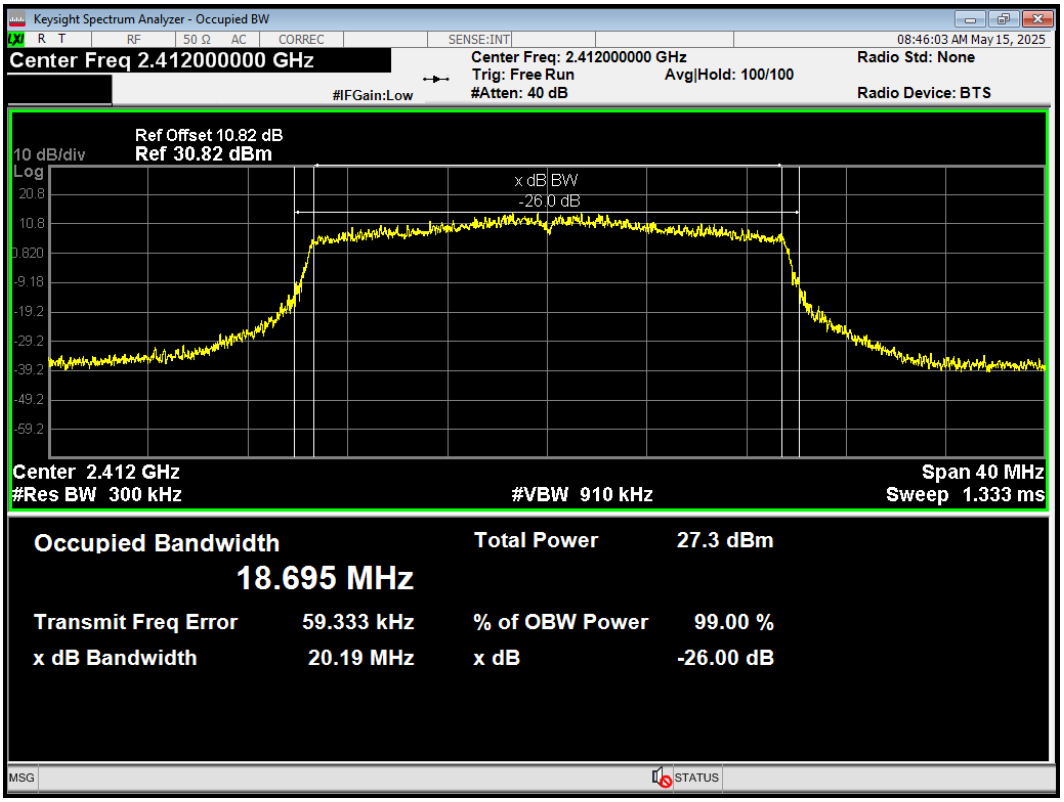
-6dB Bandwidth 802.11n(HT40) 2452MHz



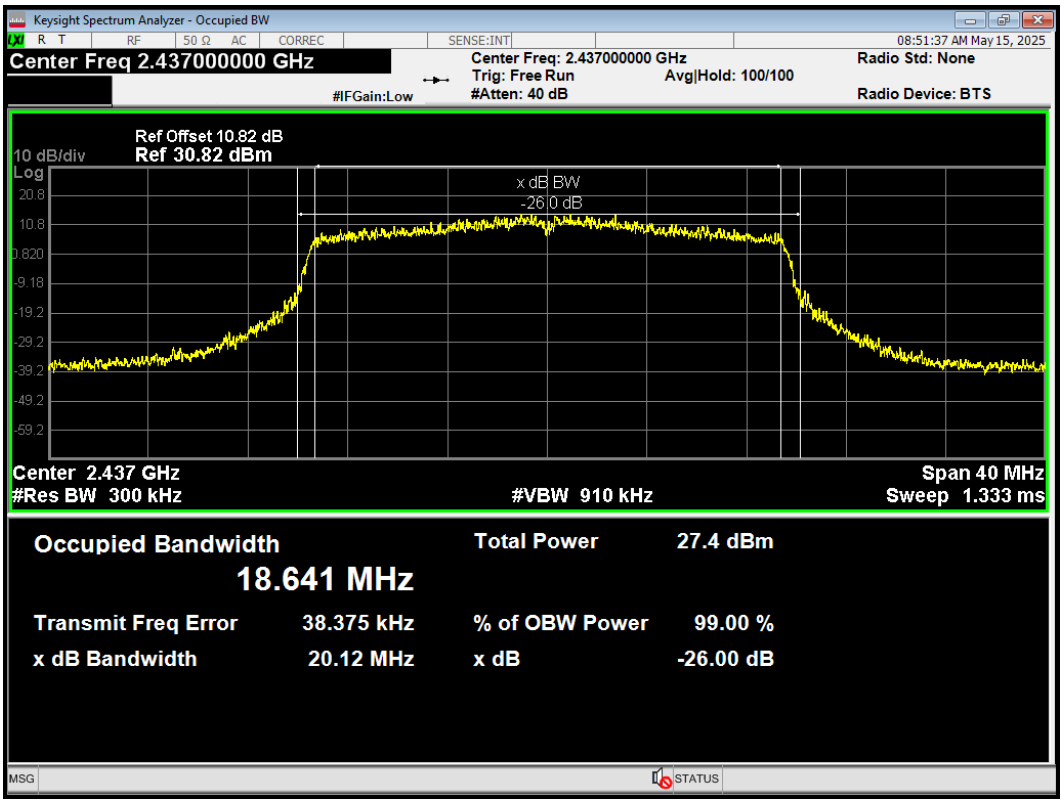
RU Mode

99%bandwidth

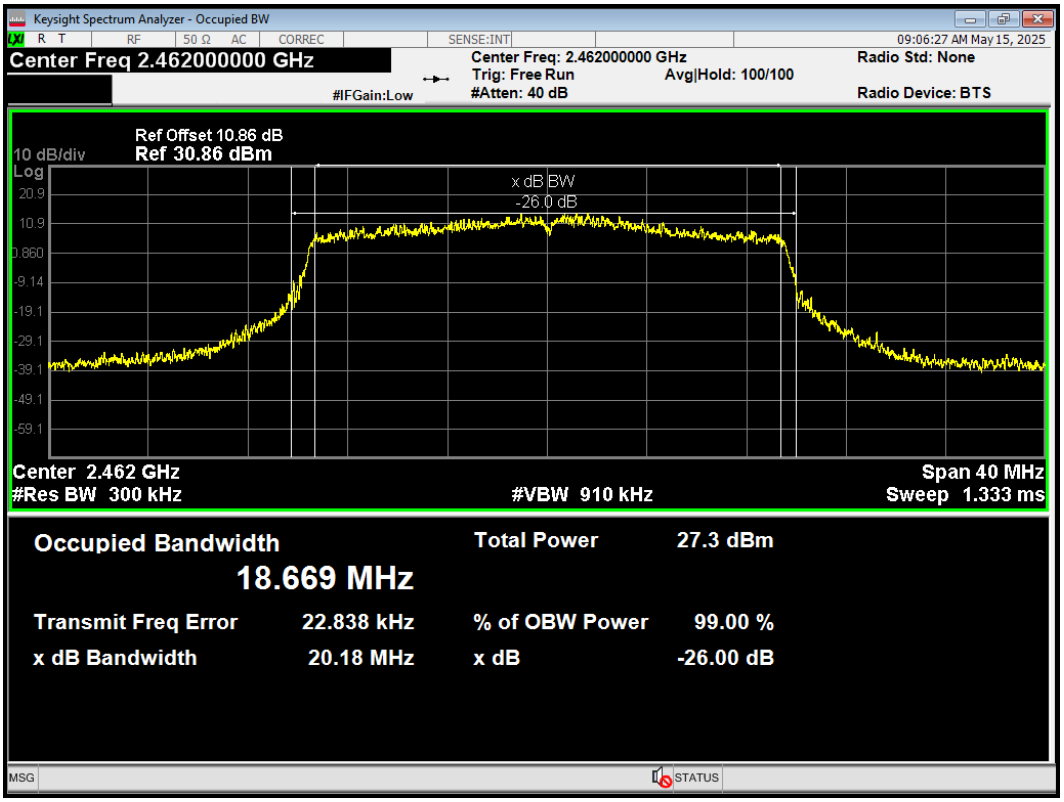
OBW 802.11ax HE20 242T 2412MHz



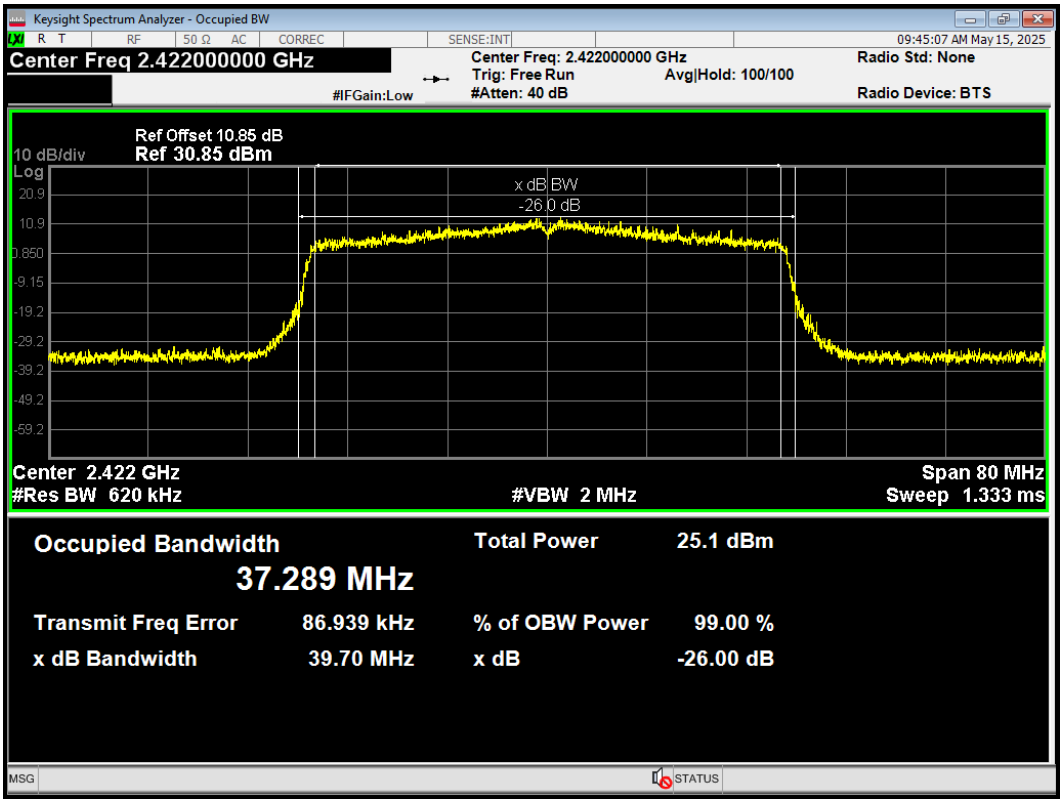
OBW 802.11ax HE20 242T 2437MHz



OBW 802.11ax HE20 242T 2462MHz

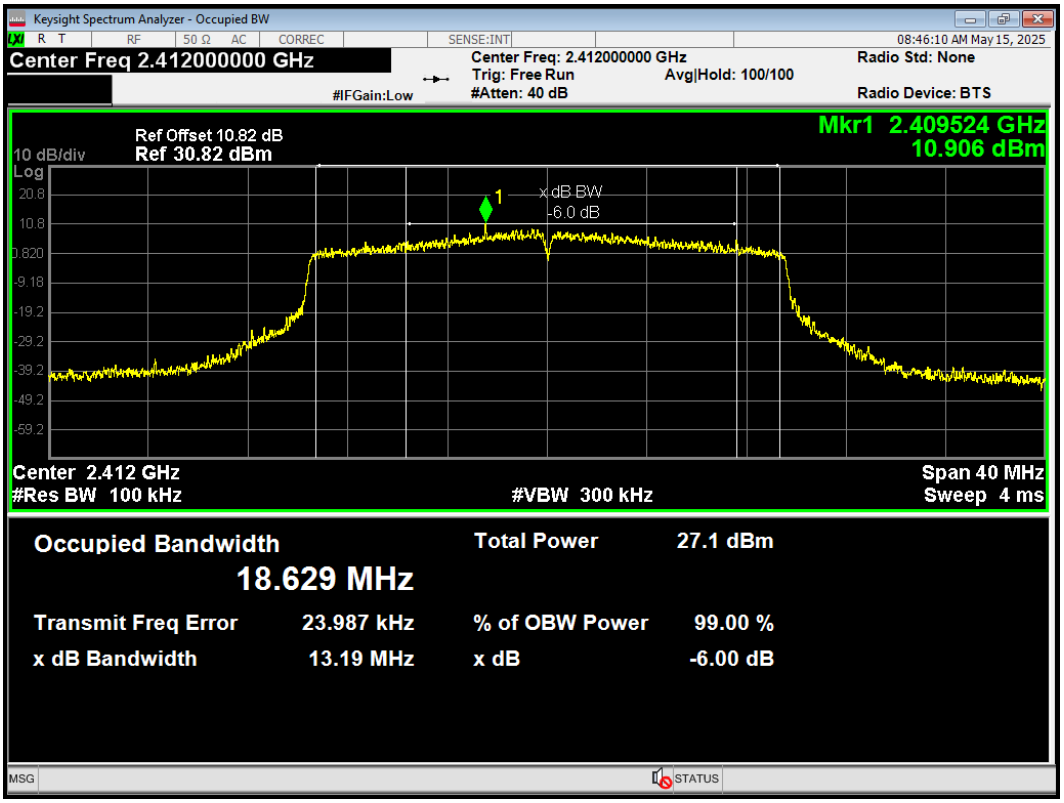


OBW 802.11ax HE40 484T 2422MHz

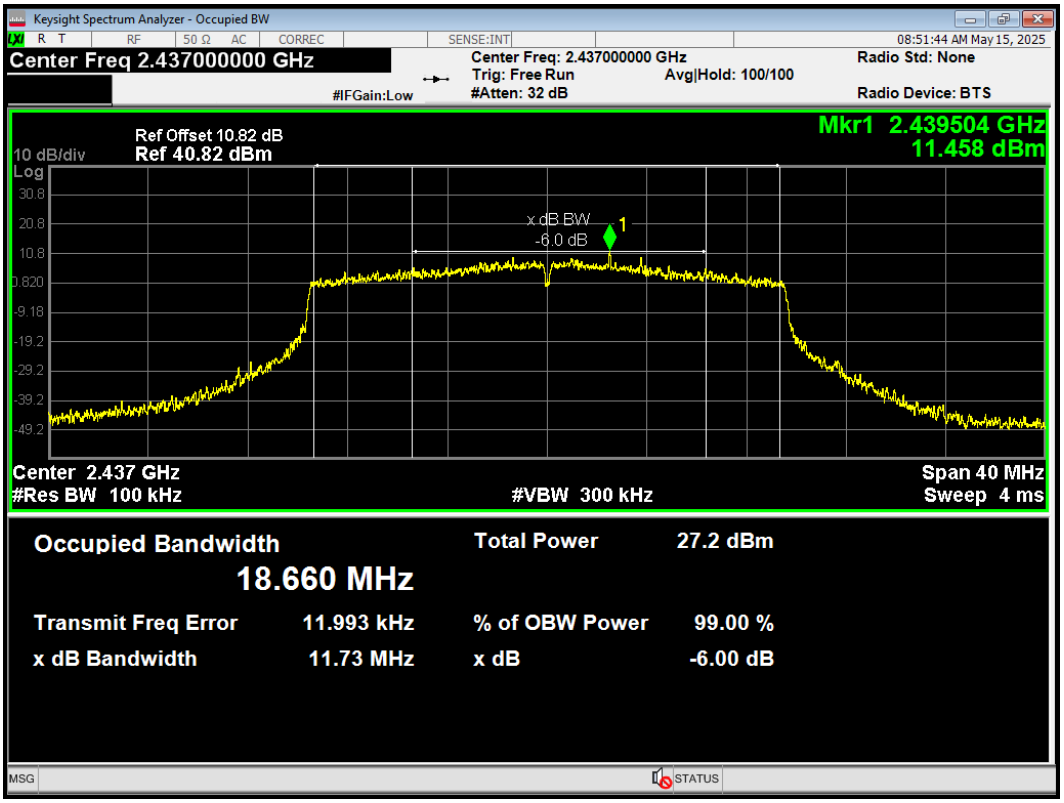


6 dB bandwidth

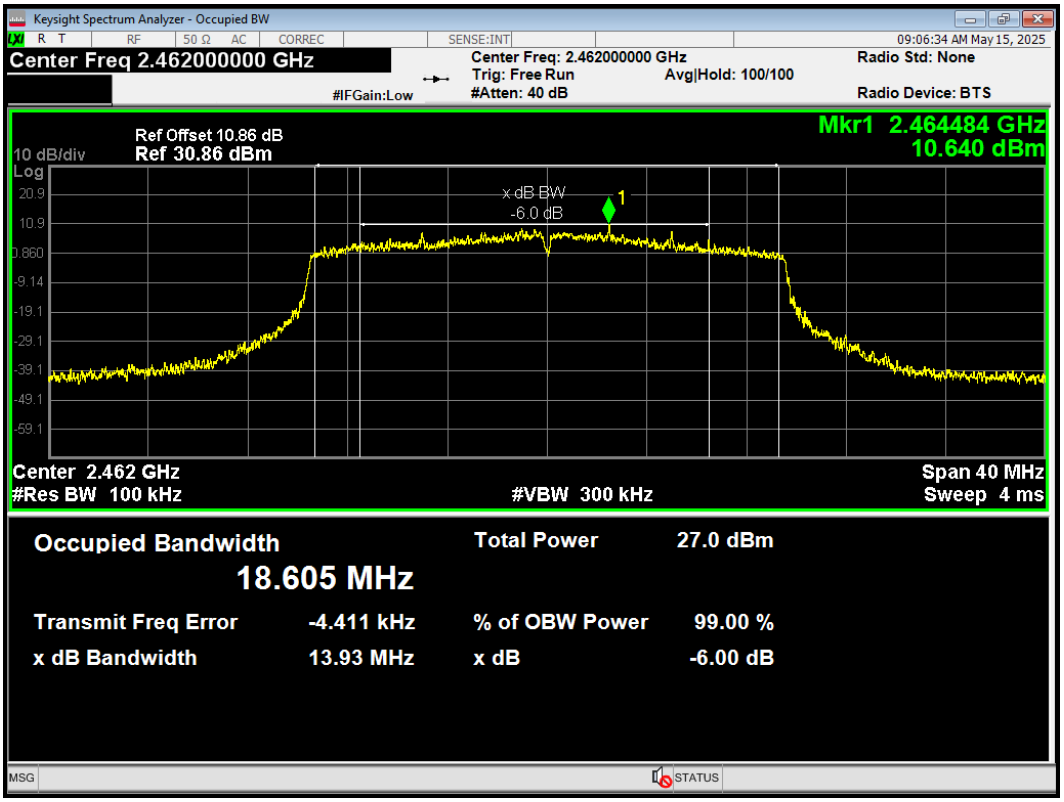
-6dB Bandwidth 802.11ax HE20 242T 2412MHz



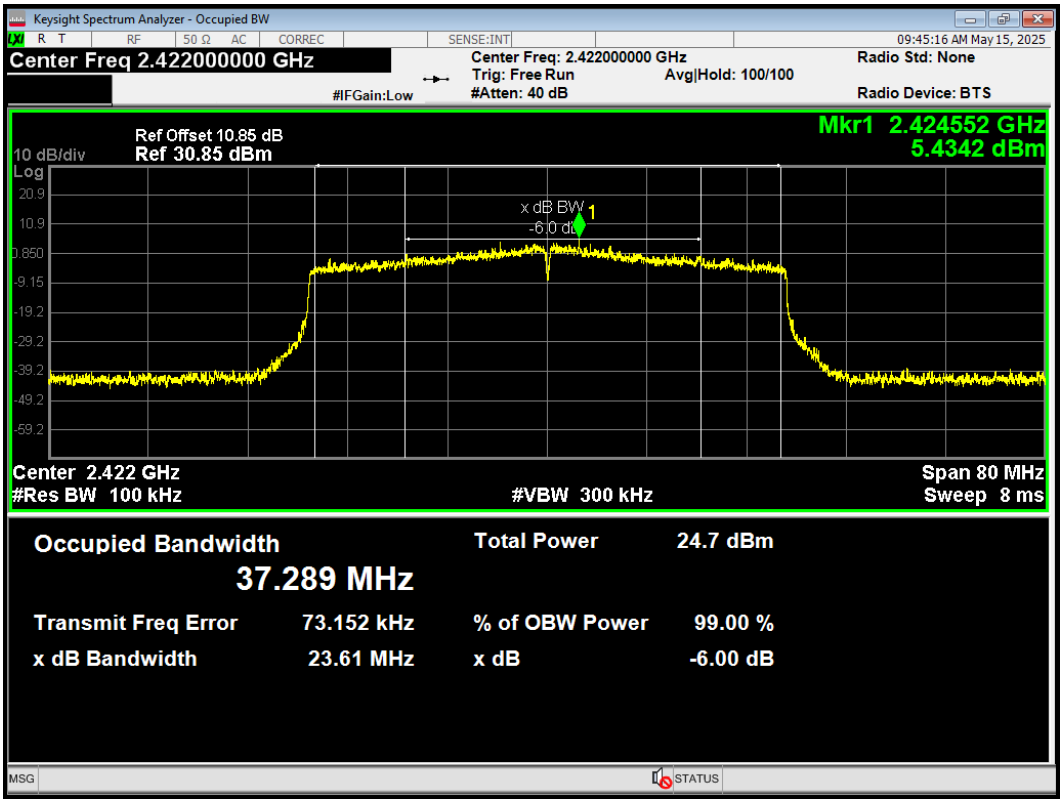
-6dB Bandwidth 802.11ax HE20 242T 2437MHz



-6dB Bandwidth 802.11ax HE20 242T 2462MHz



-6dB Bandwidth 802.11ax HE40 484T 2422MHz



5.3. Band Edge

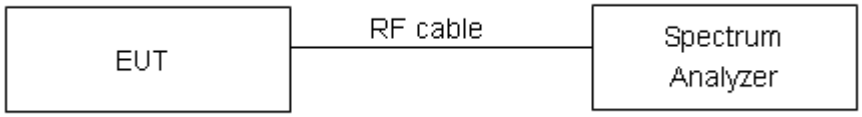
Ambient Condition

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

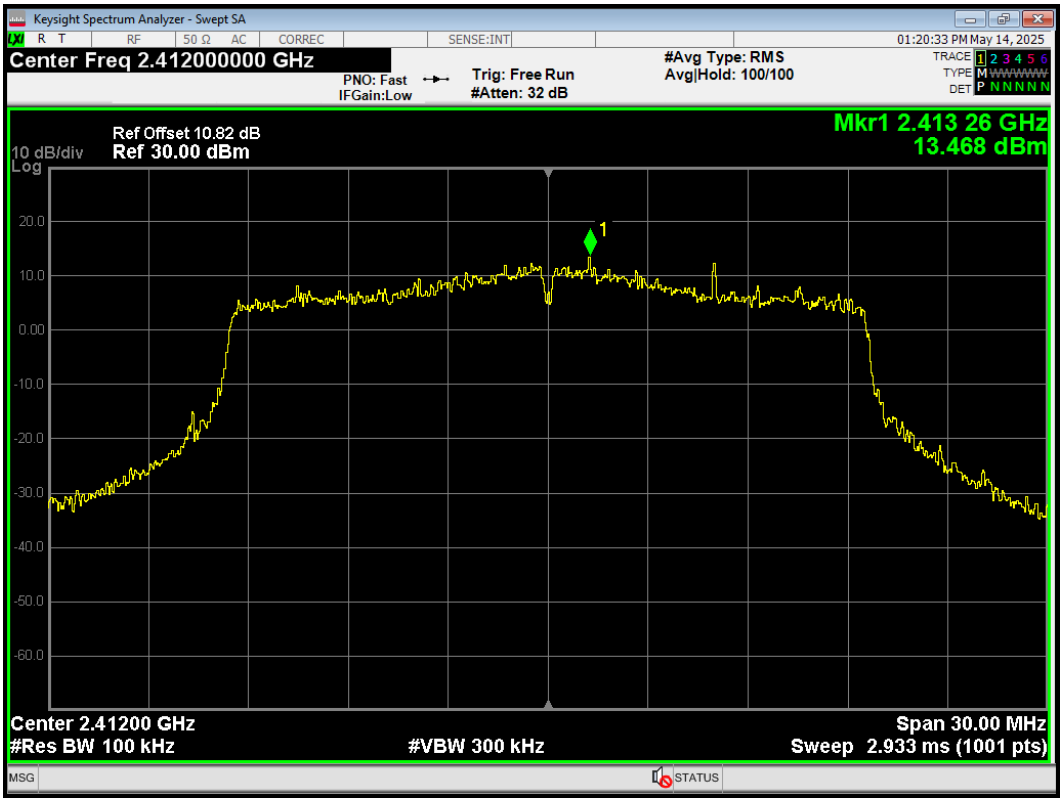
The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96.

Frequency	Uncertainty
2GHz-3GHz	1.407 dB

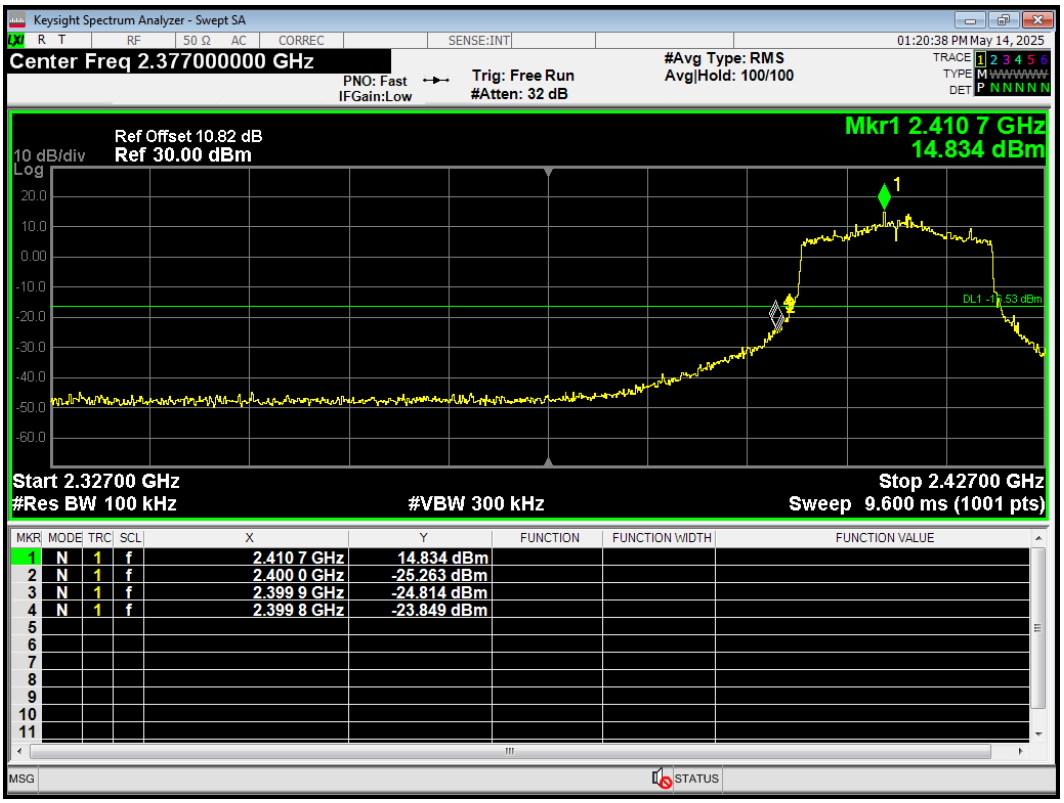
Test Results: PASS

SU Mode

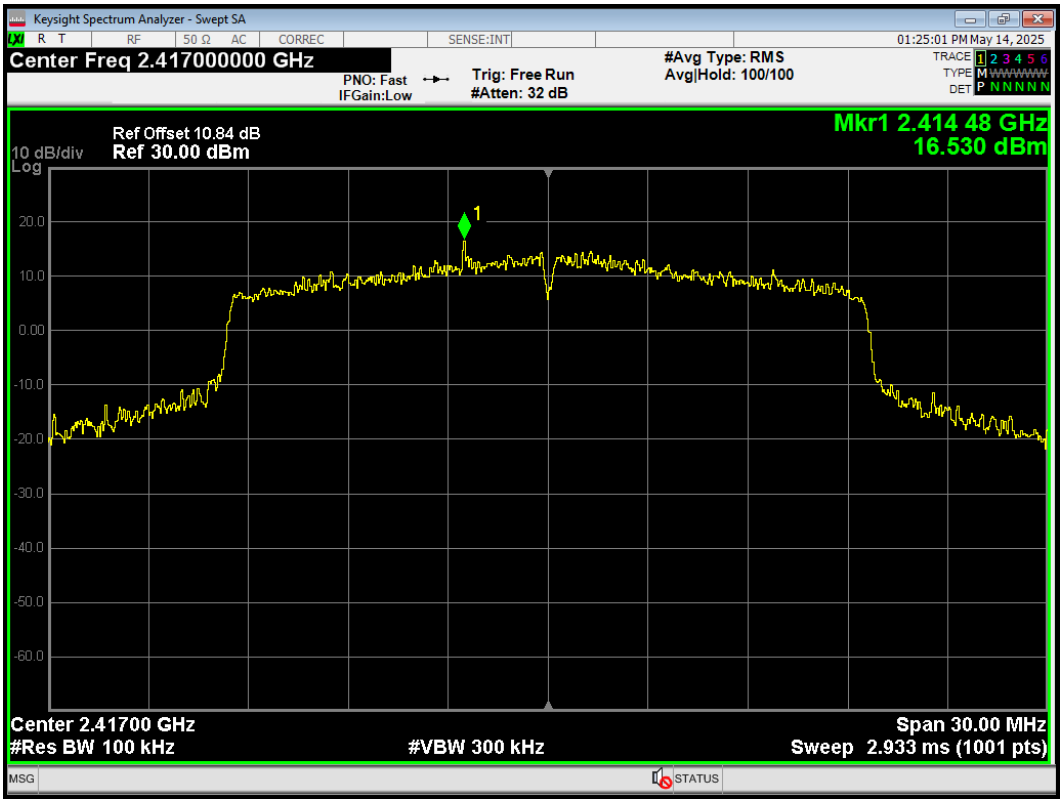
Band Edge 802.11ax(HE20) 2412MHz Ref



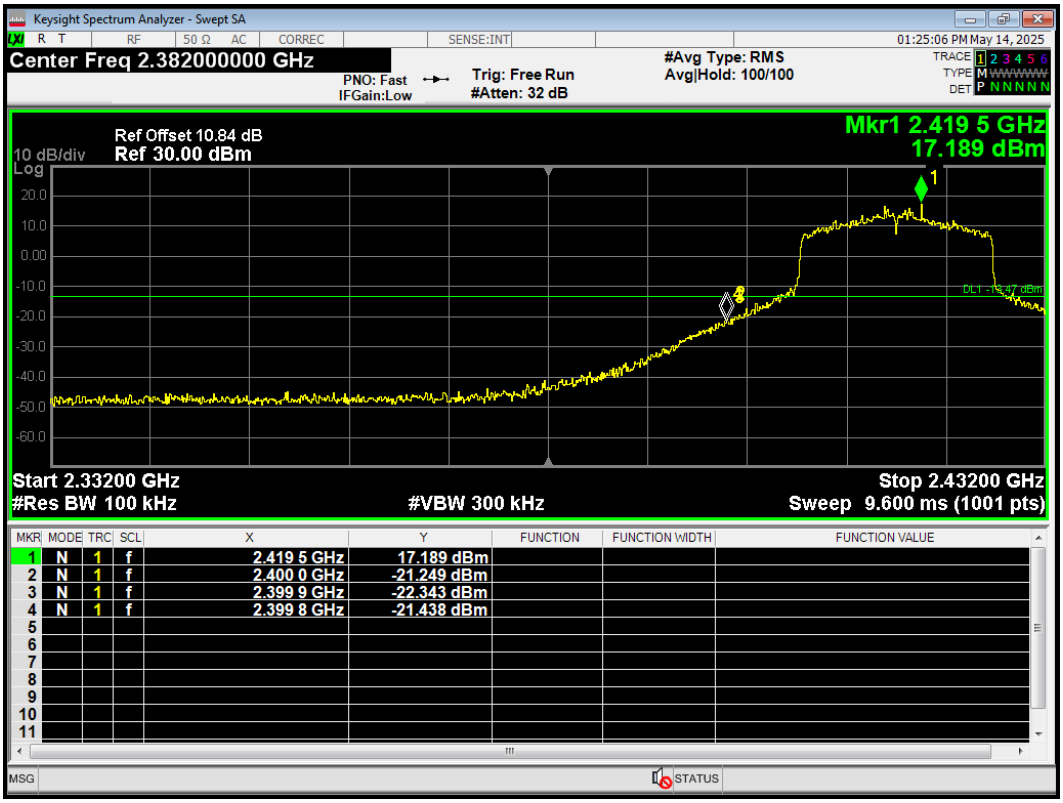
Band Edge 802.11ax(HE20) 2412MHz Emission



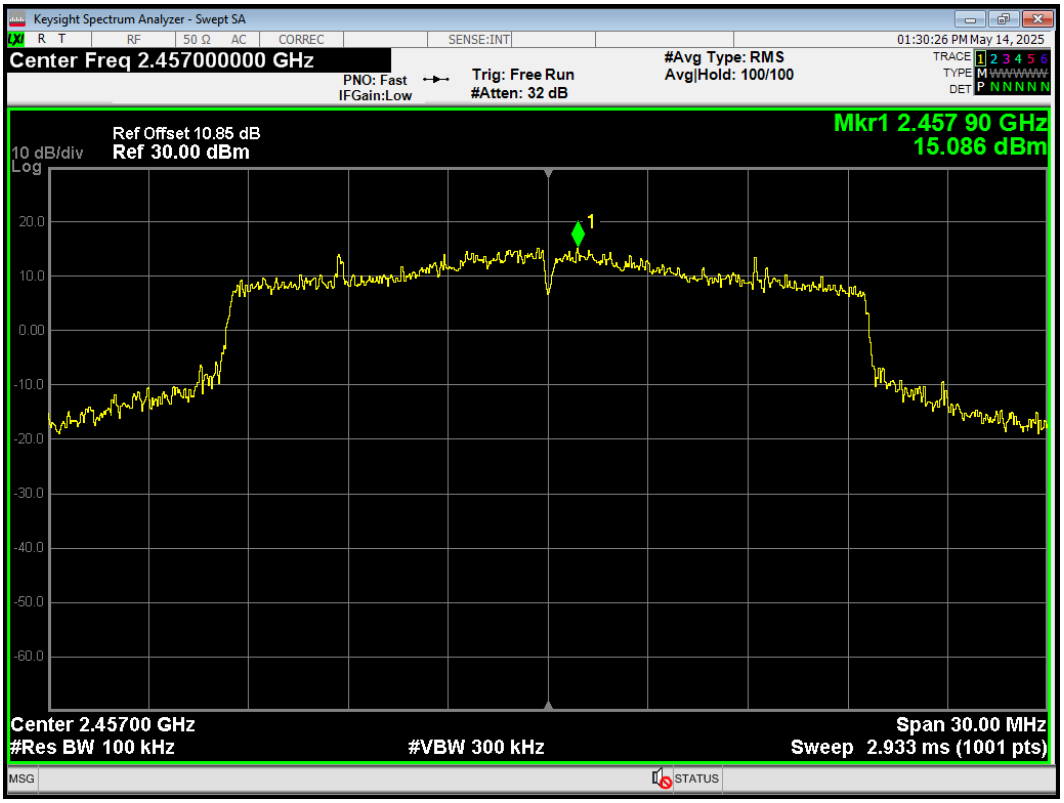
Band Edge 802.11ax(HE20) 2417MHz Ref



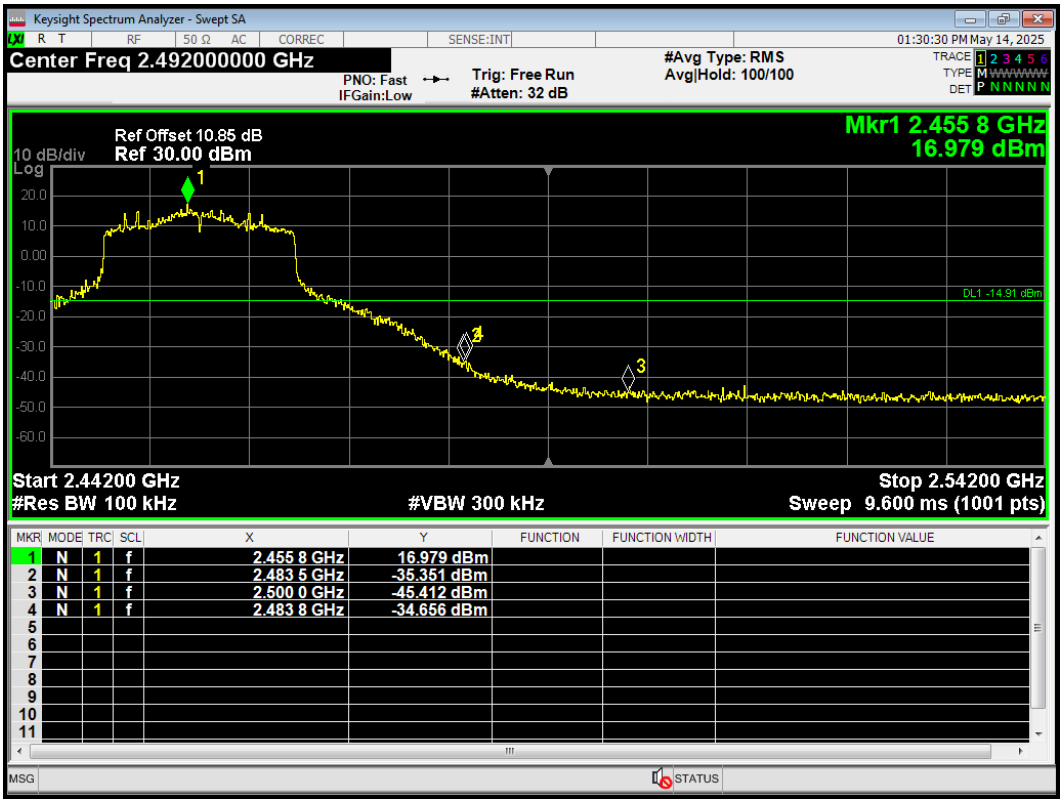
Band Edge 802.11ax(HE20) 2417MHz Emission



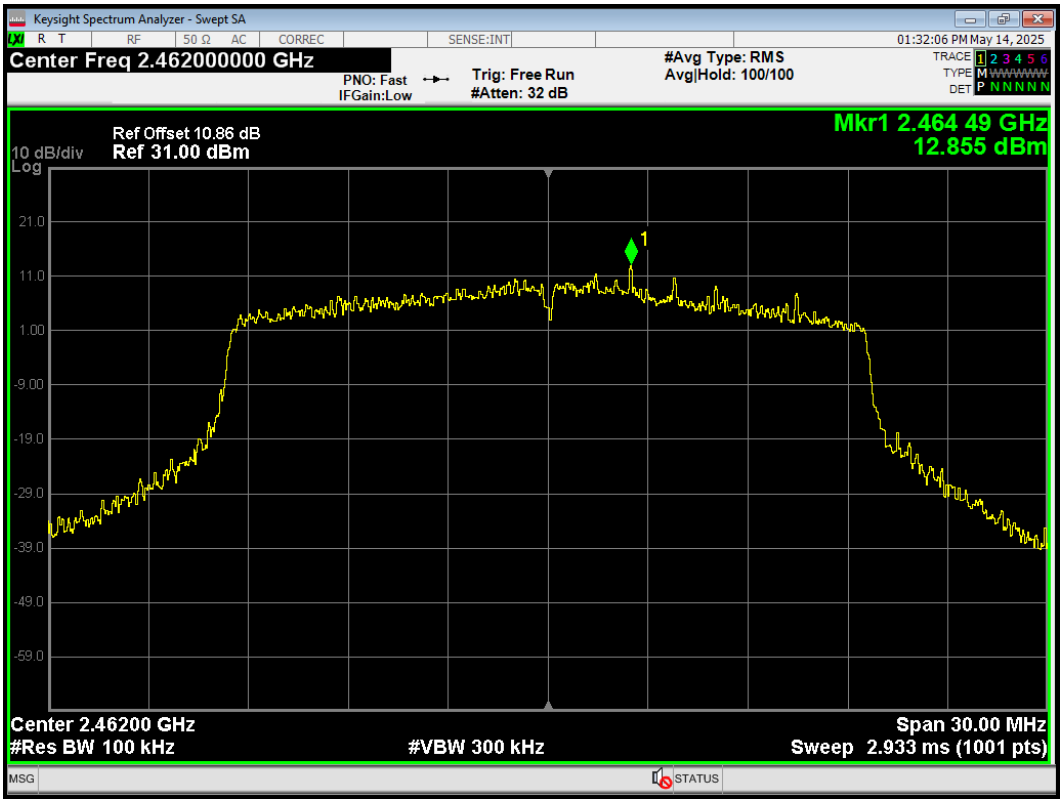
Band Edge 802.11ax(HE20) 2457MHz Ref



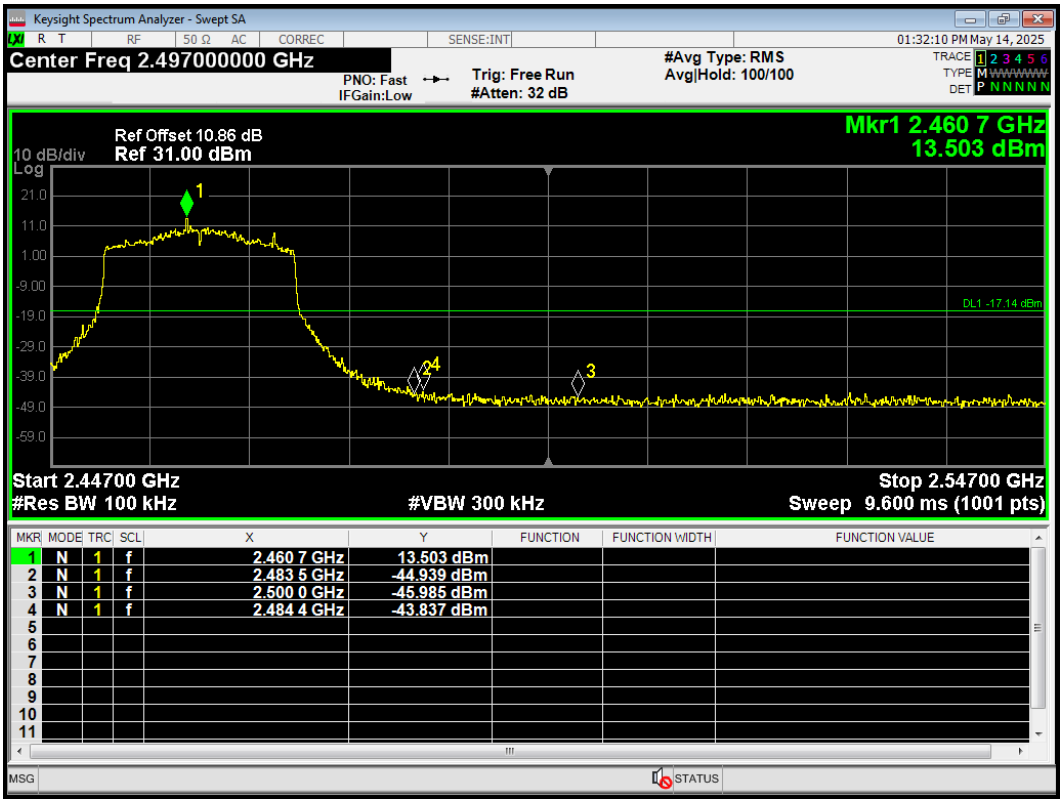
Band Edge 802.11ax(HE20) 2457MHz Emission



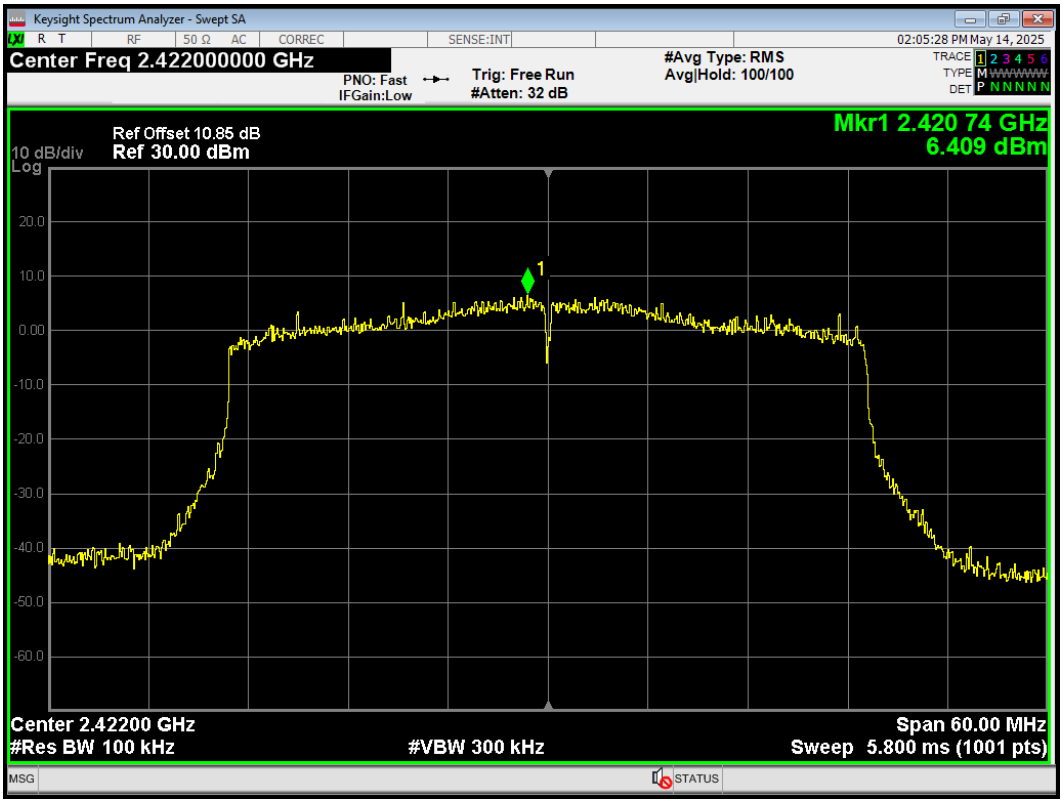
Band Edge 802.11ax(HE20) 2462MHz Ref



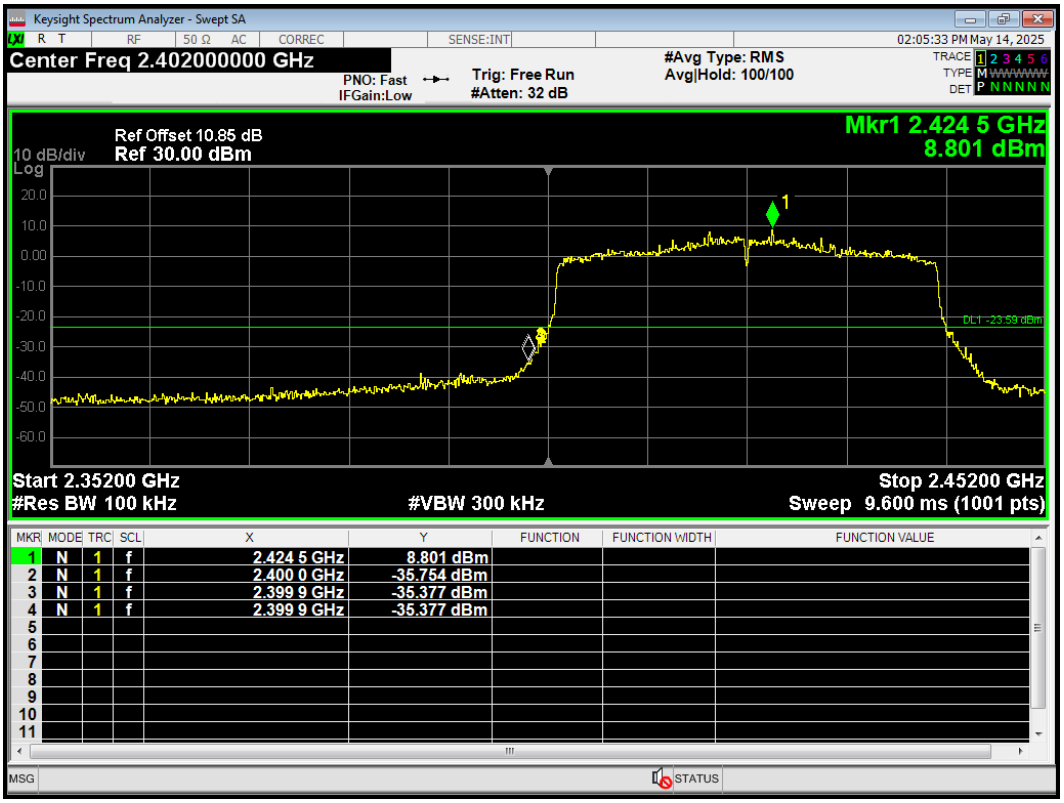
Band Edge 802.11ax(HE20) 2462MHz Emission



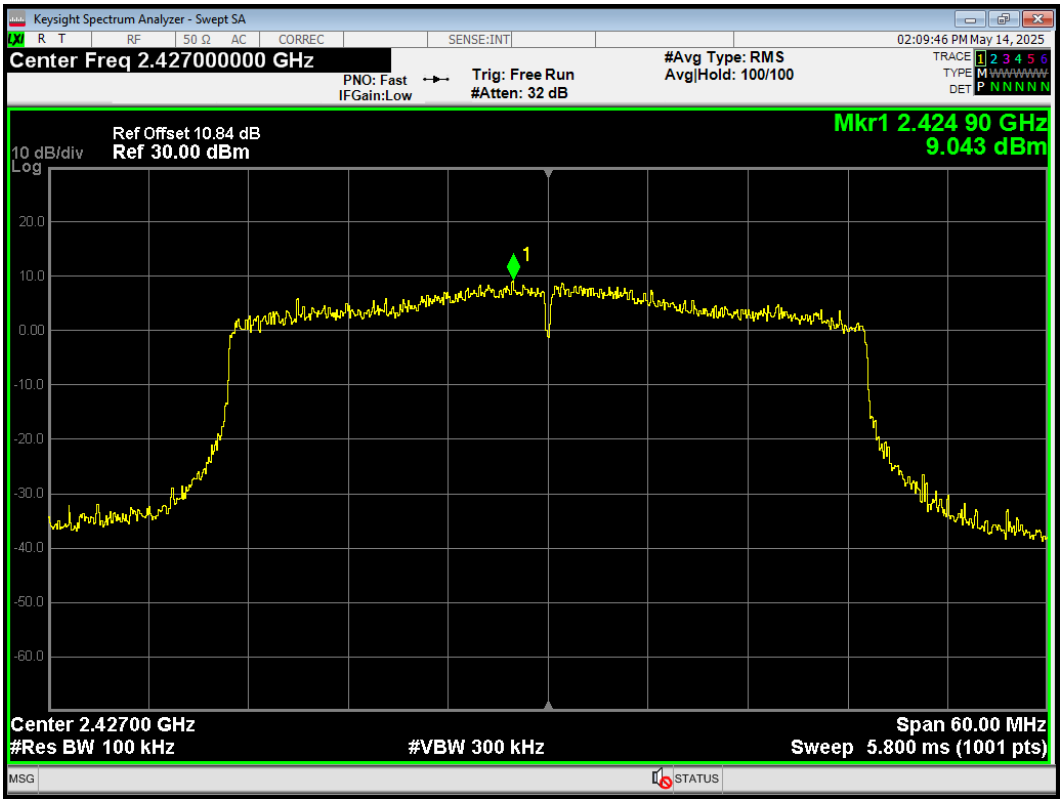
Band Edge 802.11ax(HE40) 2422MHz Ref



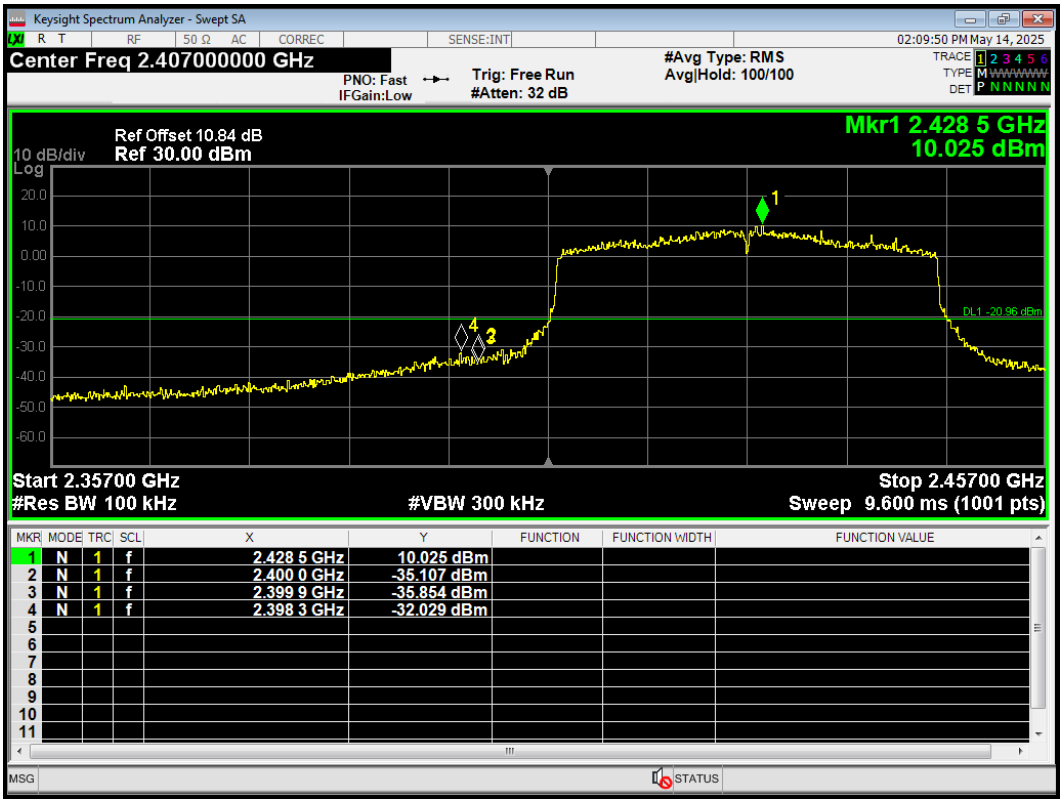
Band Edge 802.11ax(HE40) 2422MHz Emission



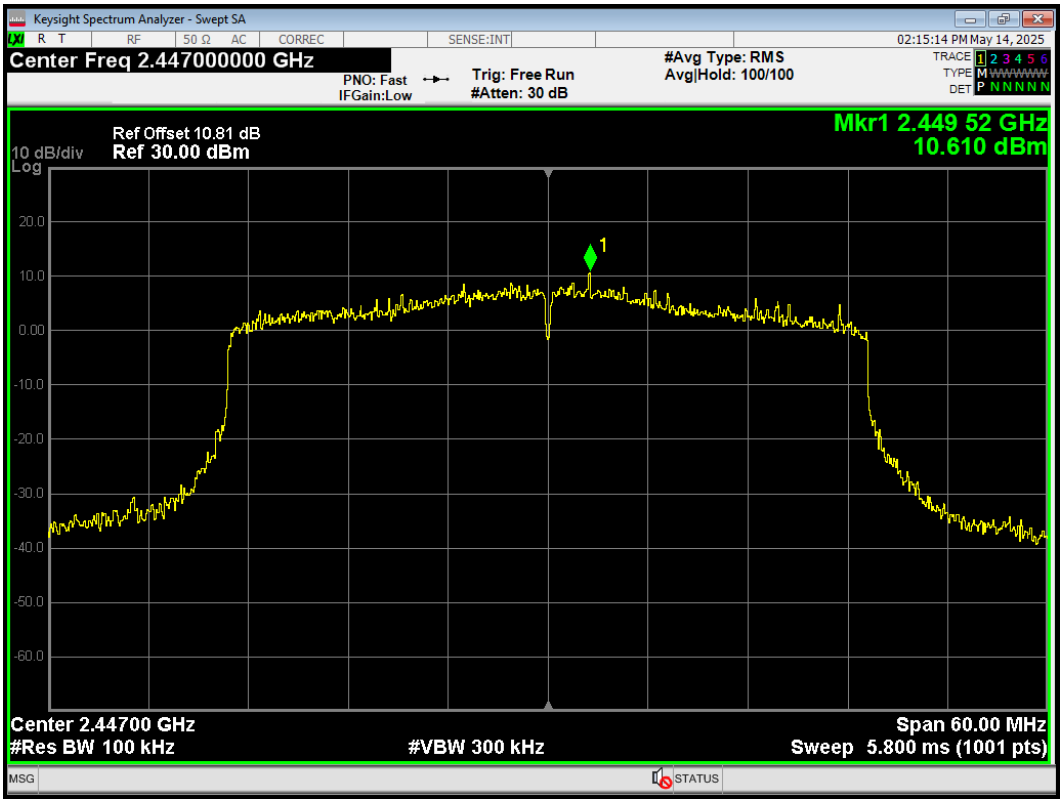
Band Edge 802.11ax(HE40) 2427MHz Ref



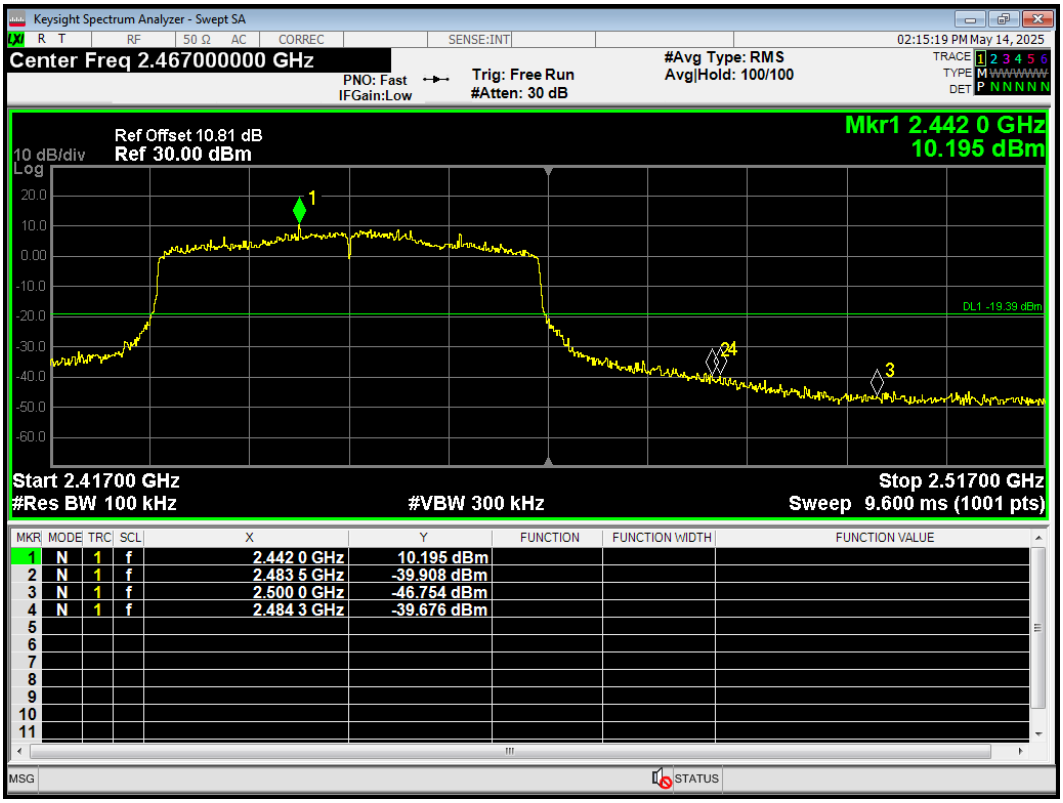
Band Edge 802.11ax(HE40) 2427MHz Emission



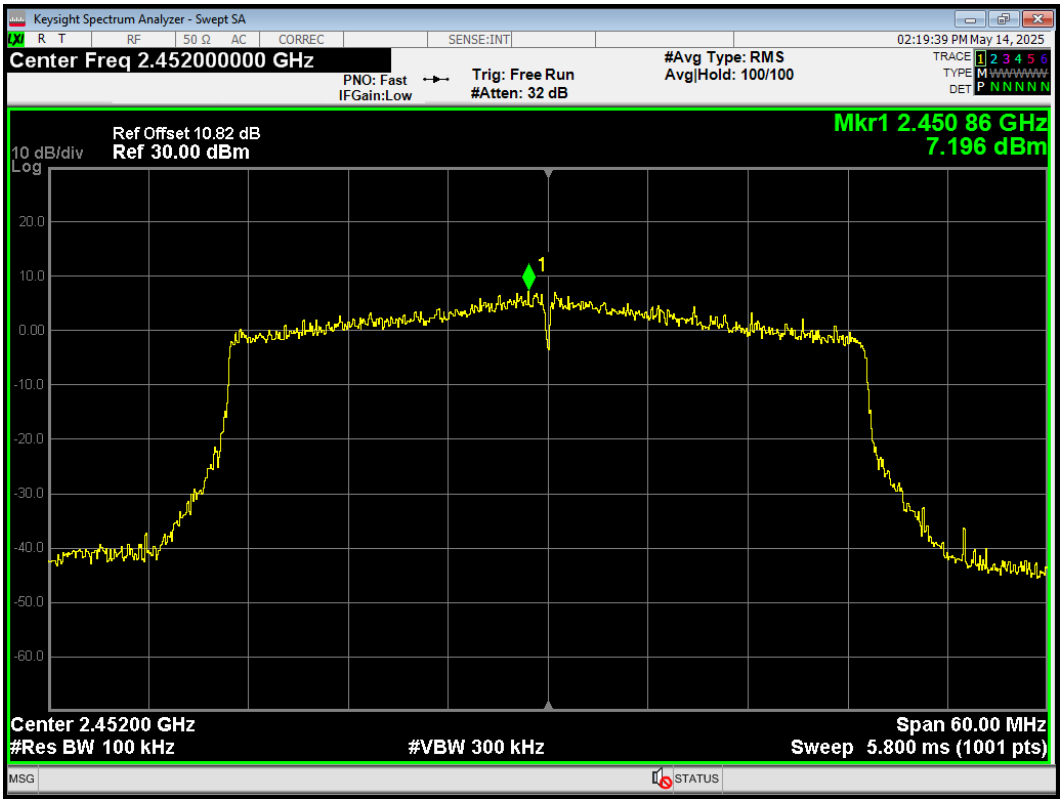
Band Edge 802.11ax(HE40) 2447MHz Ref



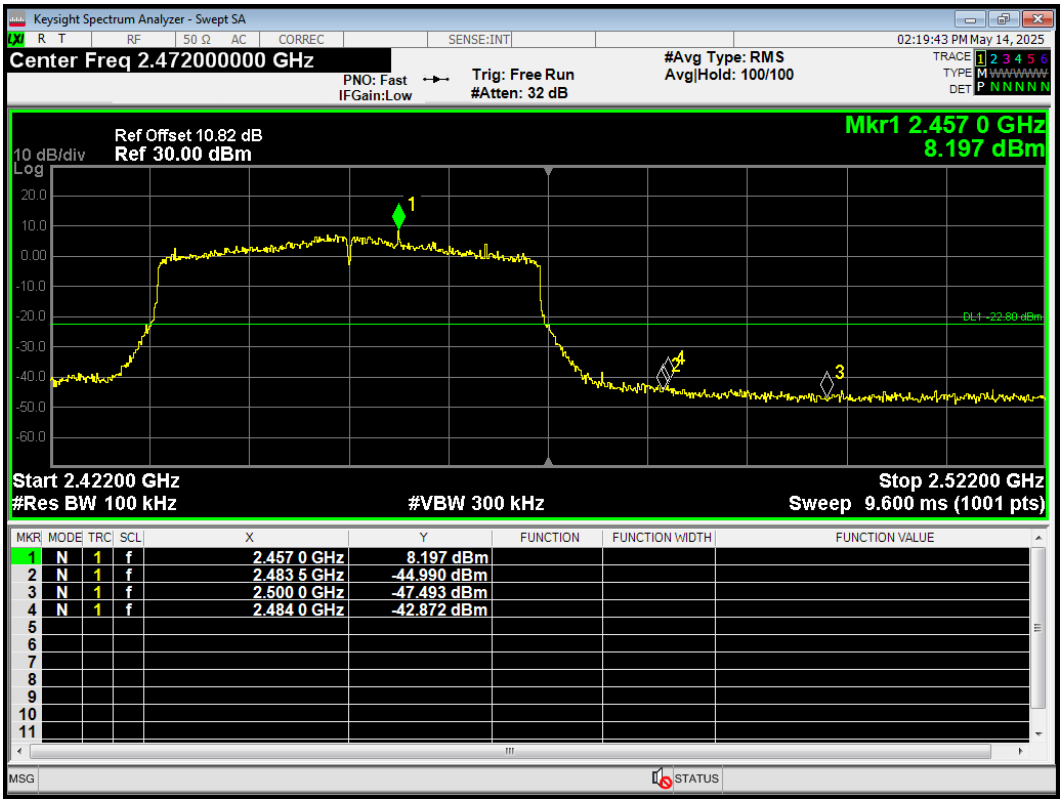
Band Edge 802.11ax(HE40) 2447MHz Emission



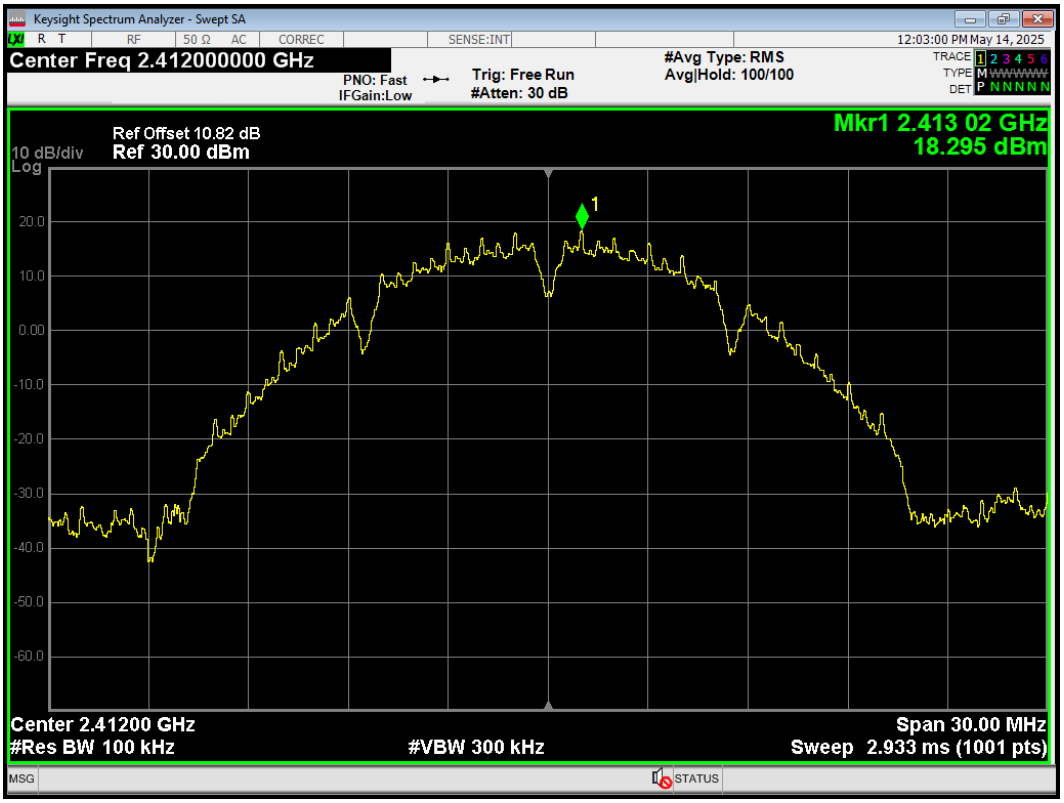
Band Edge 802.11ax(HE40) 2452MHz Ref



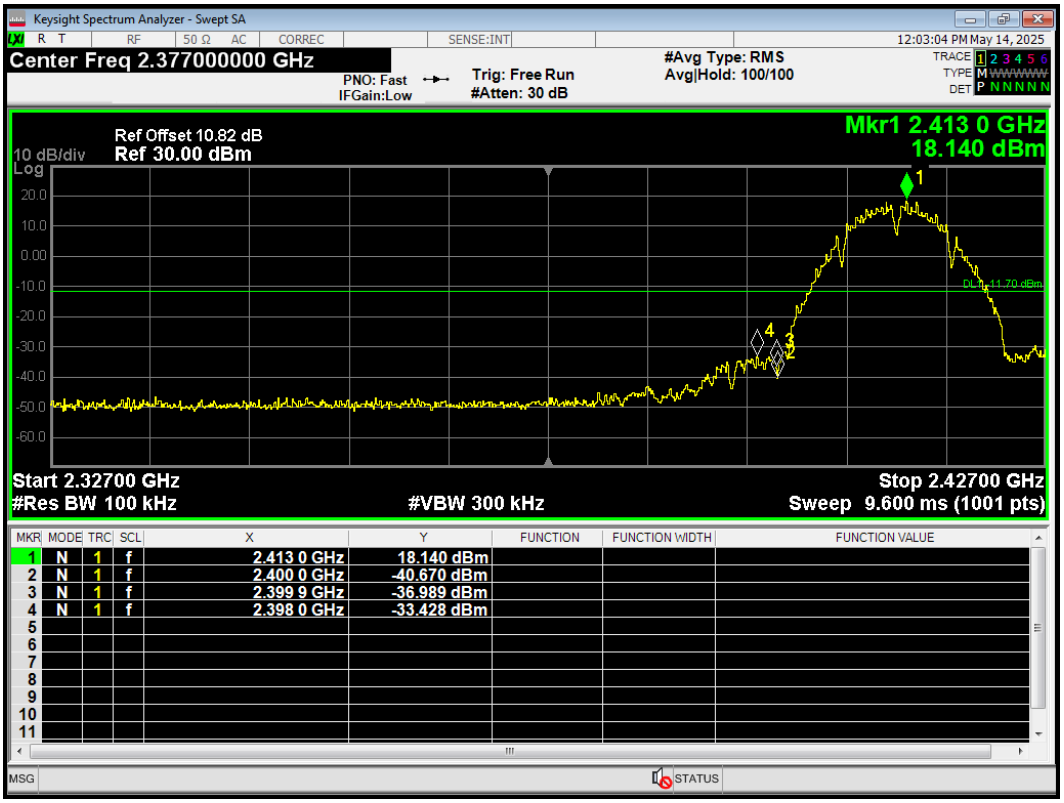
Band Edge 802.11ax(HE40) 2452MHz Emission



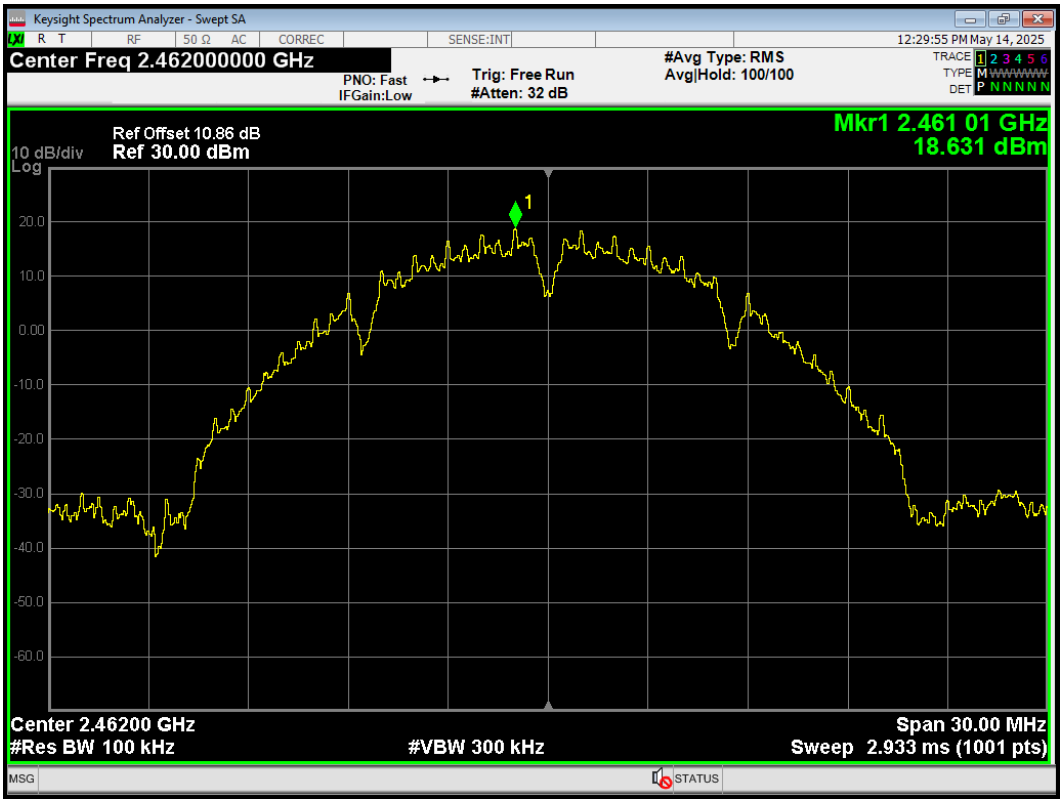
Band Edge 802.11b 2412MHz Ref



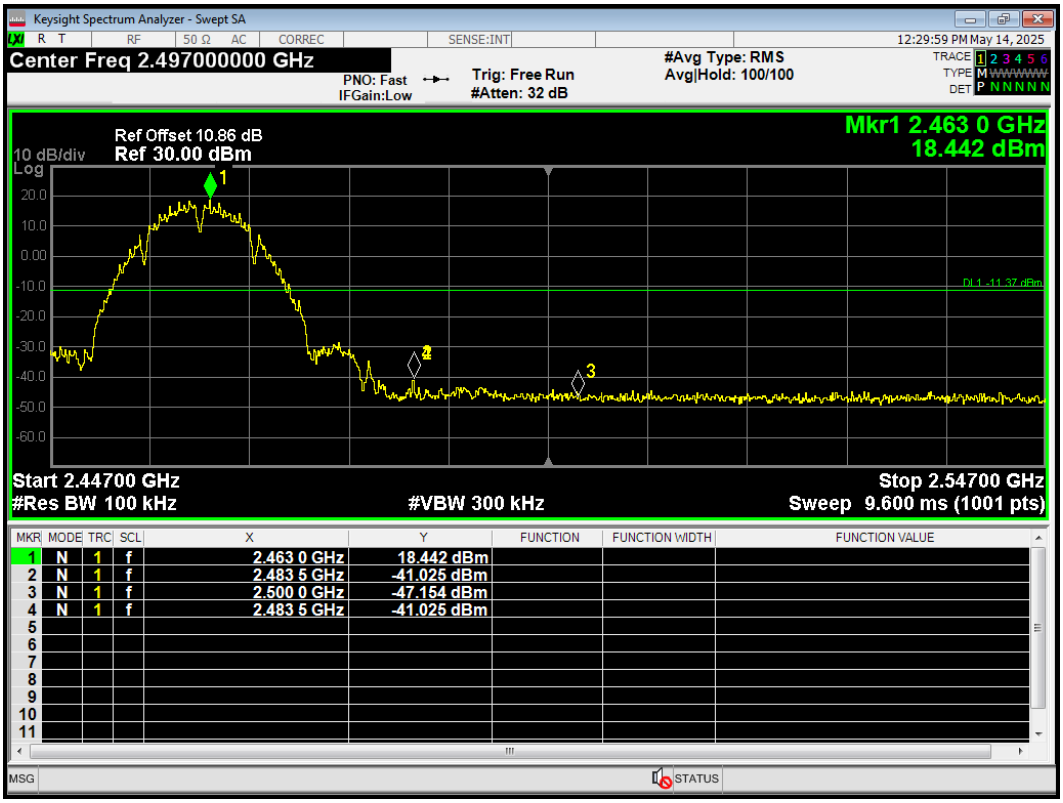
Band Edge 802.11b 2412MHz Emission



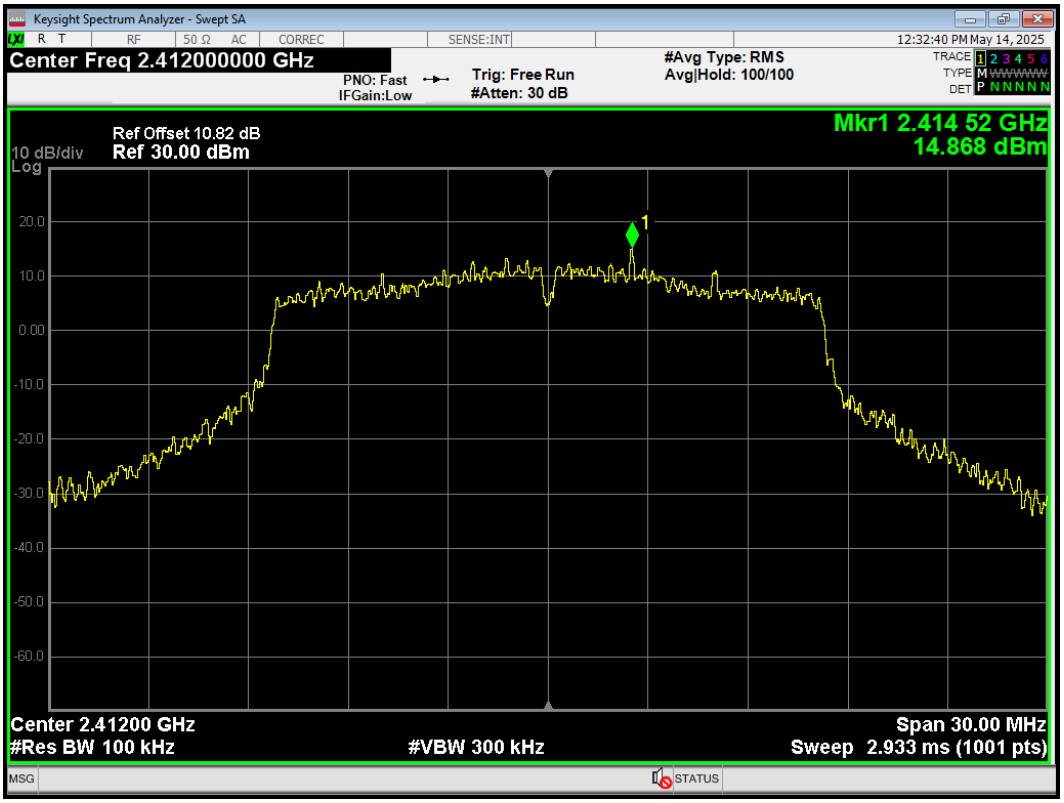
Band Edge 802.11b 2462MHz Ref



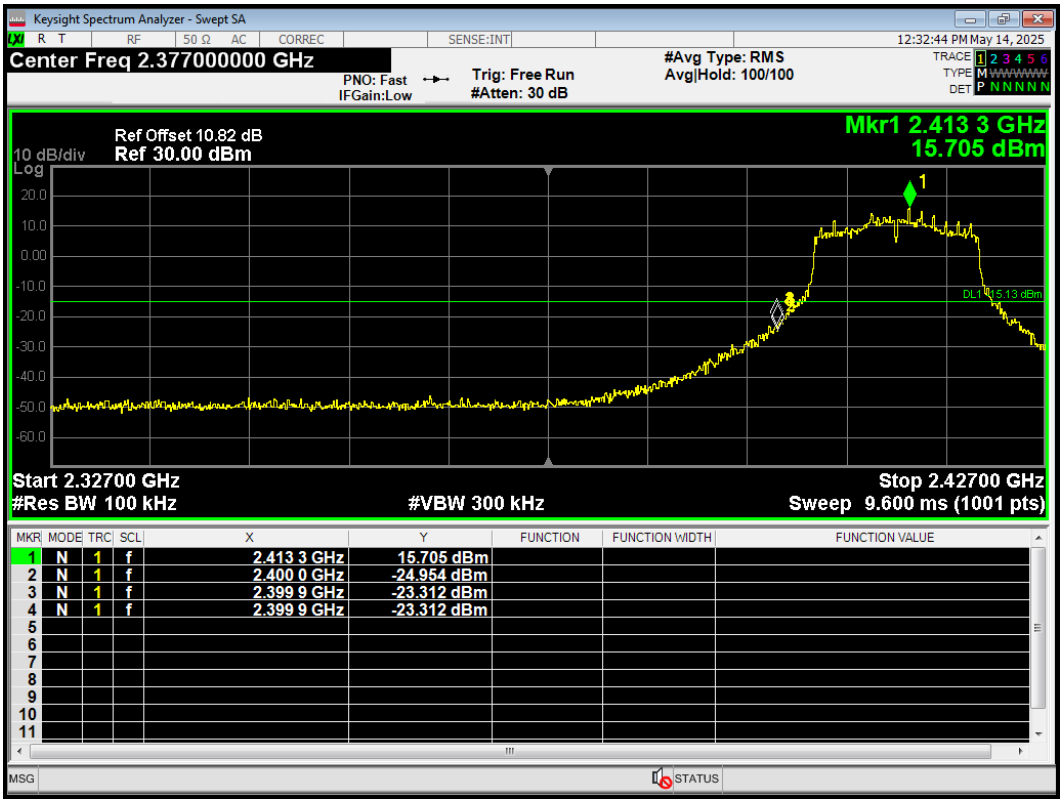
Band Edge 802.11b 2462MHz Emission



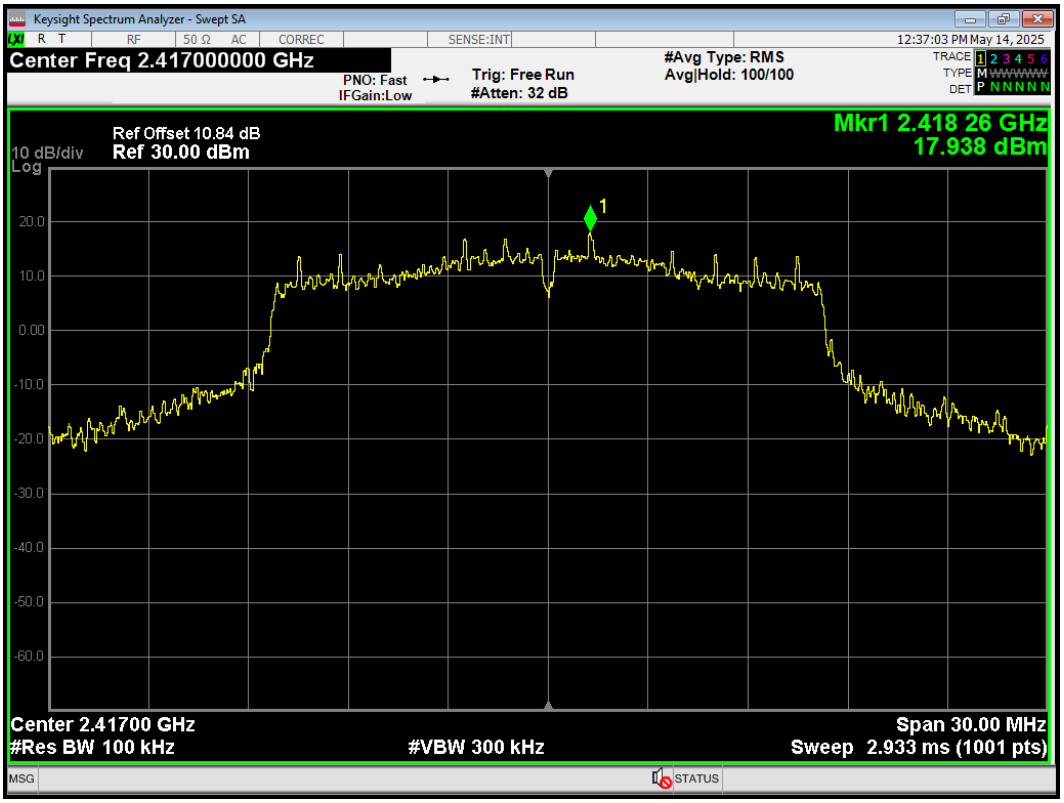
Band Edge 802.11g 2412MHz Ref



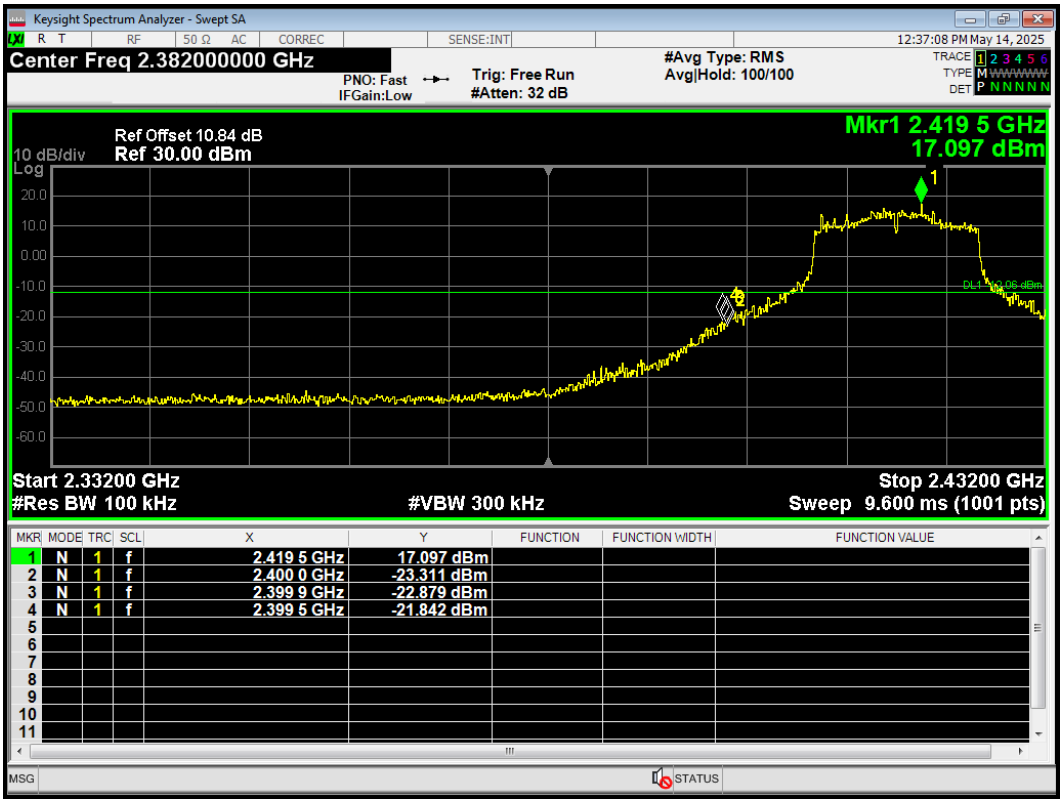
Band Edge 802.11g 2412MHz Emission



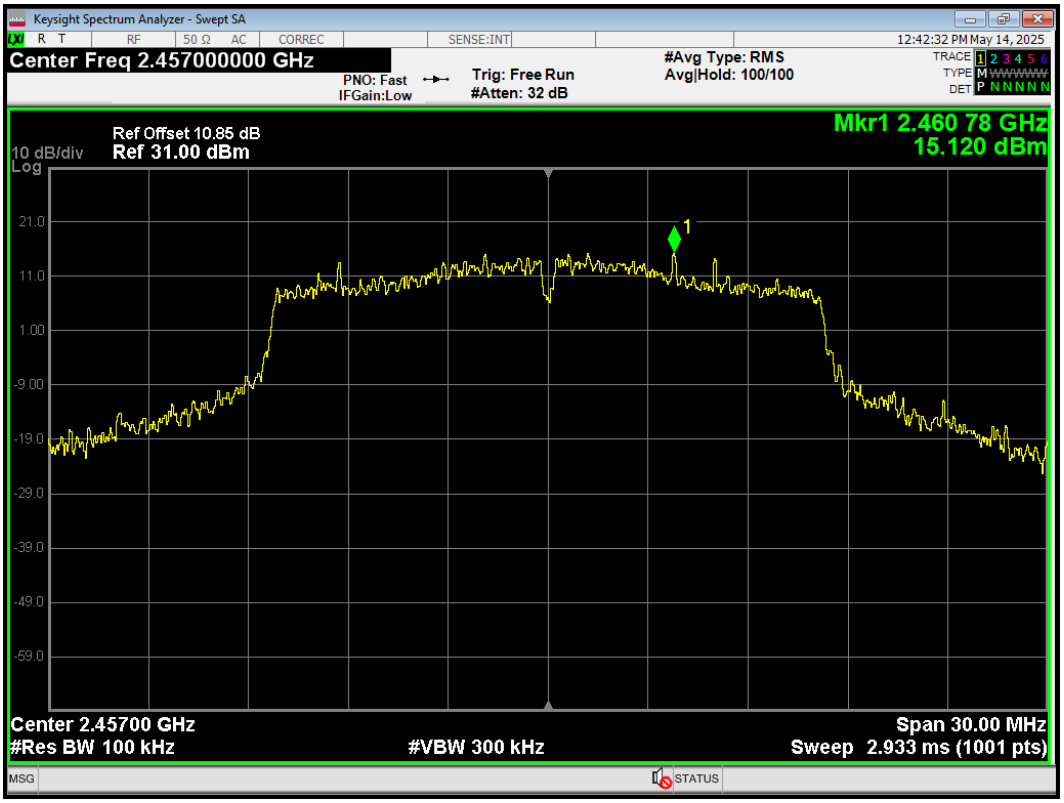
Band Edge 802.11g 2417MHz Ref



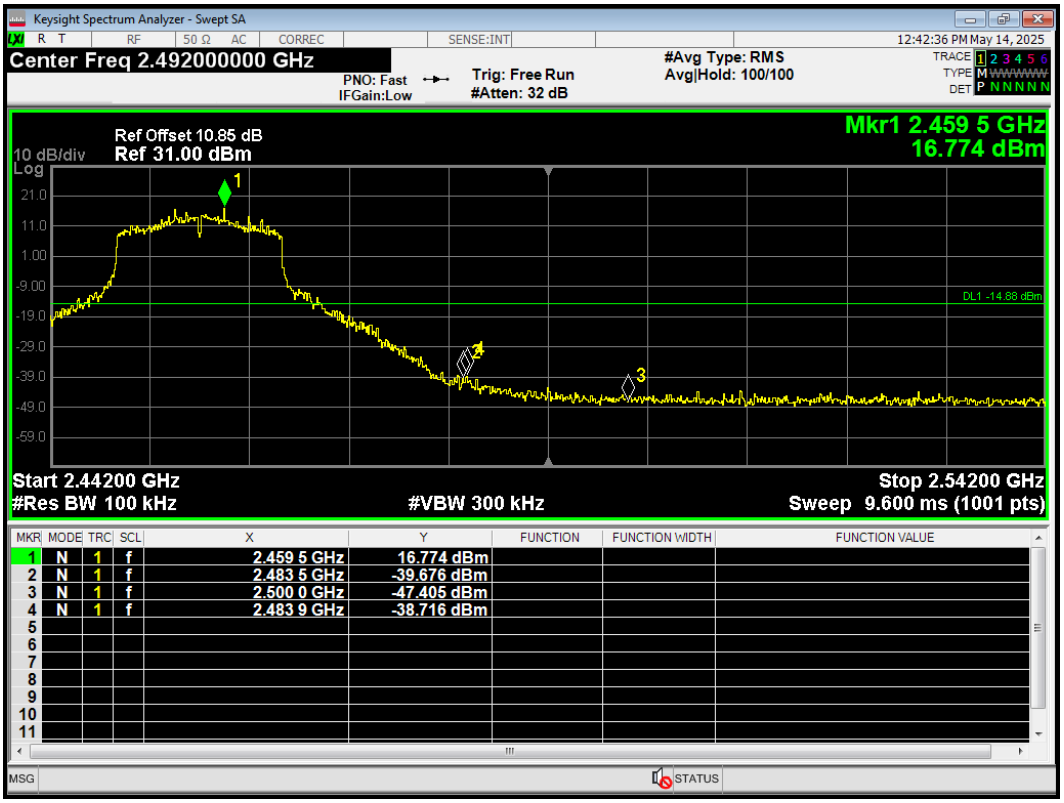
Band Edge 802.11g 2417MHz Emission



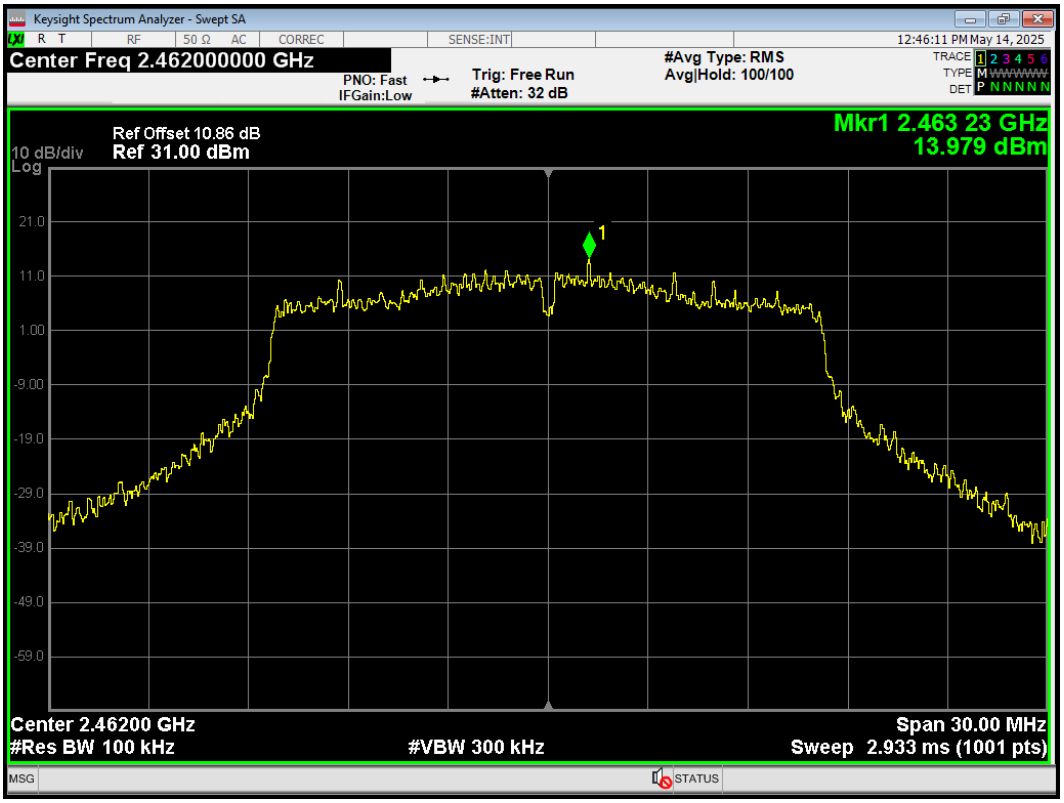
Band Edge 802.11g 2457MHz Ref



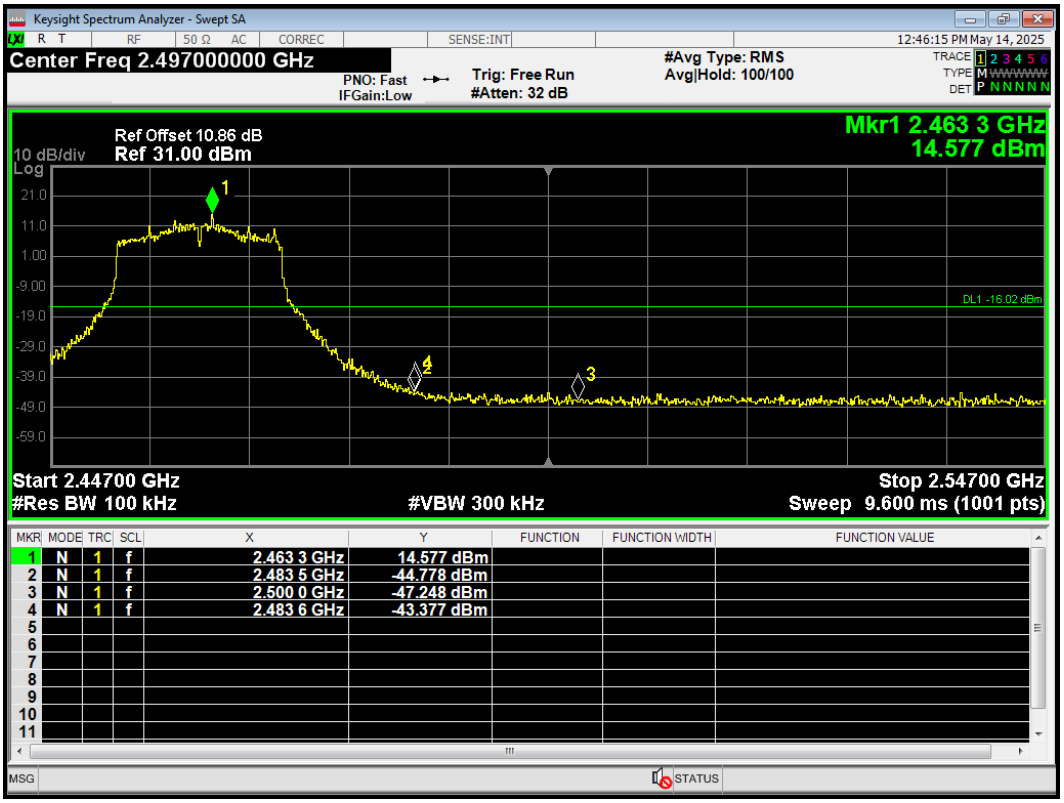
Band Edge 802.11g 2457MHz Emission



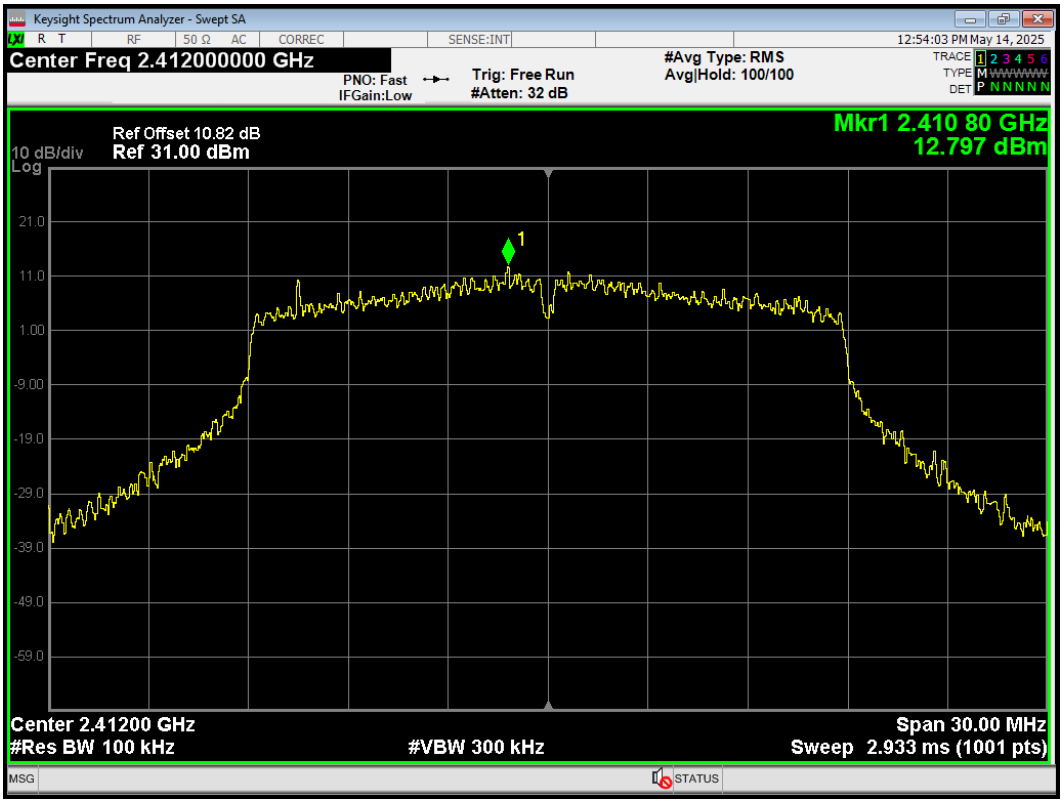
Band Edge 802.11g 2462MHz Ref



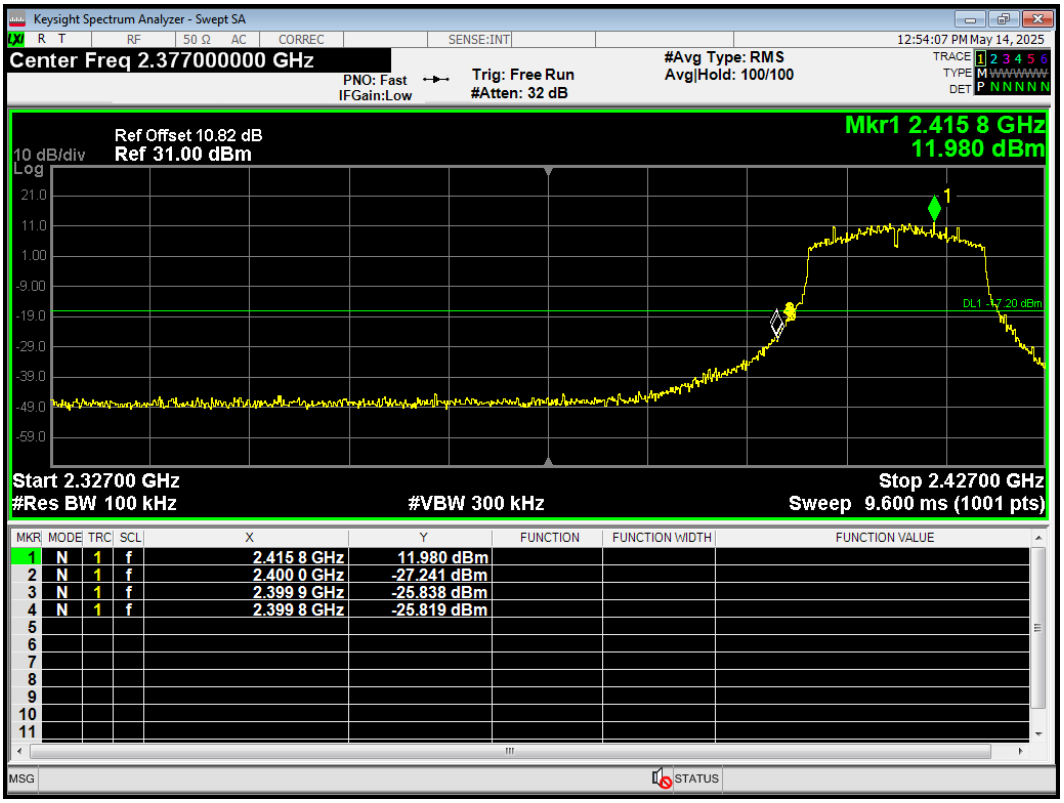
Band Edge 802.11g 2462MHz Emission



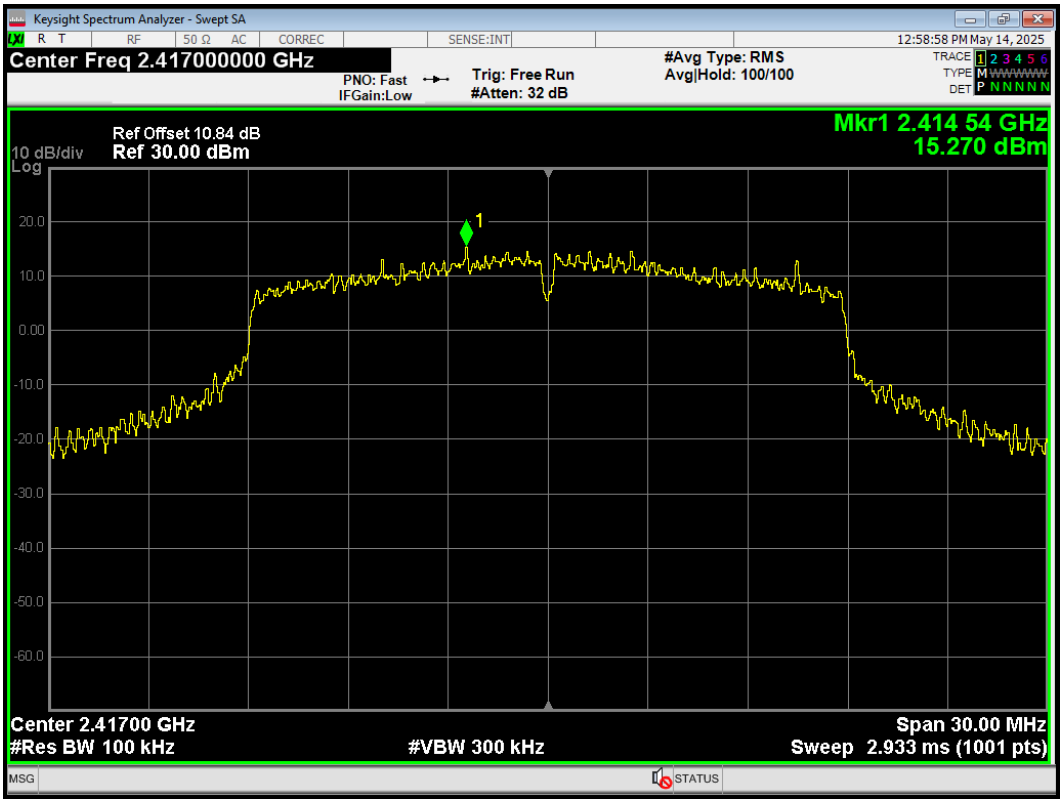
Band Edge 802.11n(HT20) 2412MHz Ref



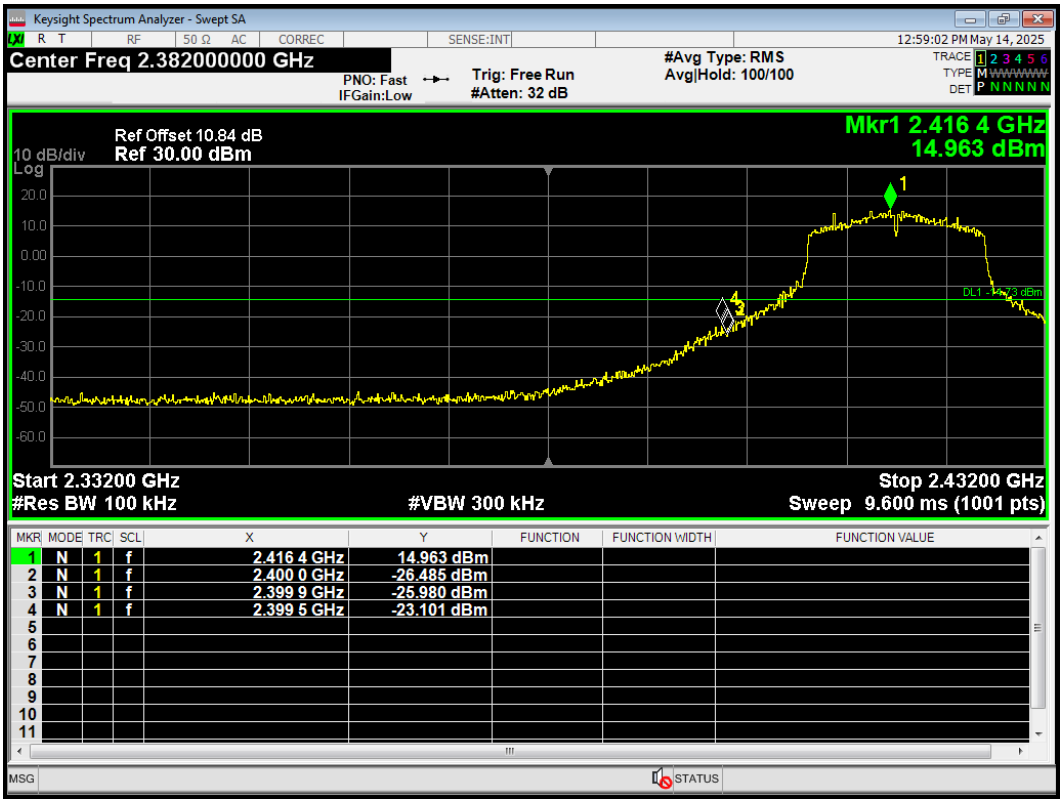
Band Edge 802.11n(HT20) 2412MHz Emission



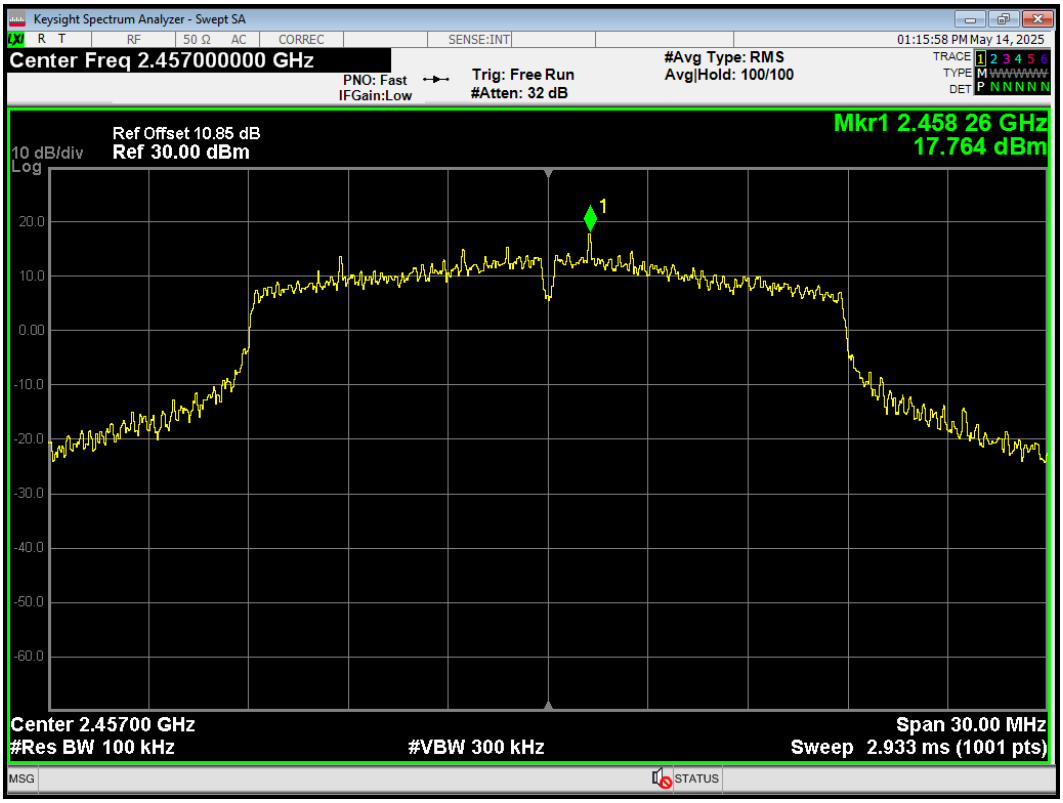
Band Edge 802.11n(HT20) 2417MHz Ref



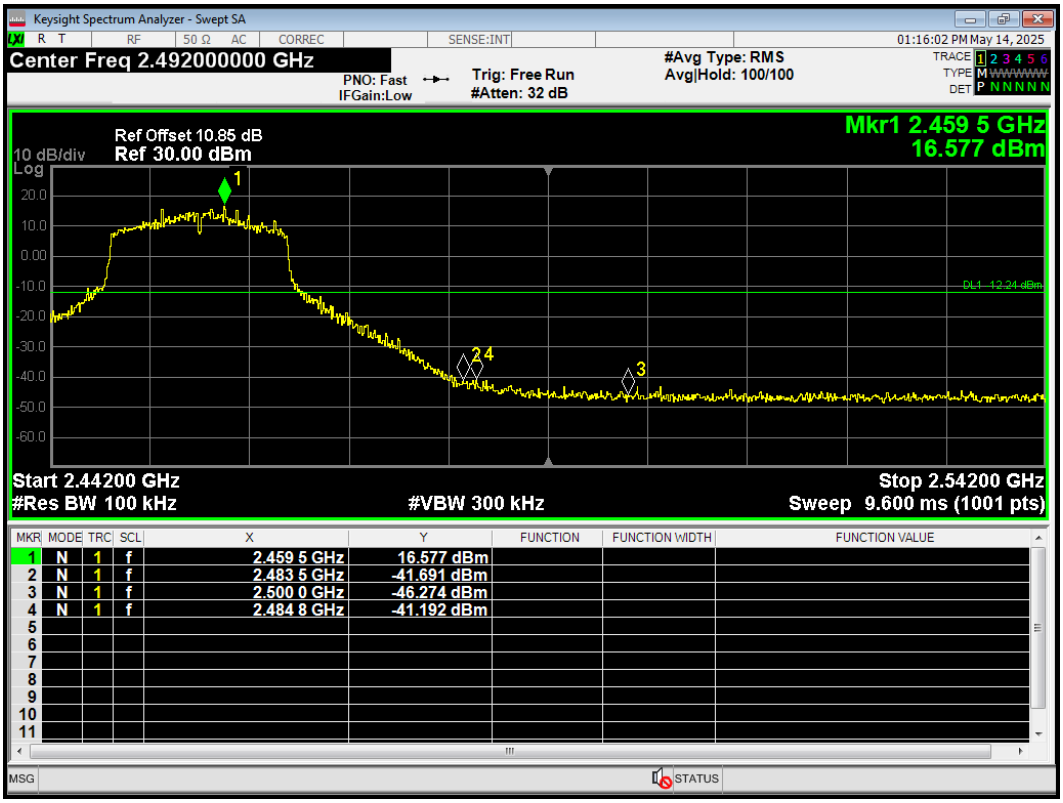
Band Edge 802.11n(HT20) 2417MHz Emission



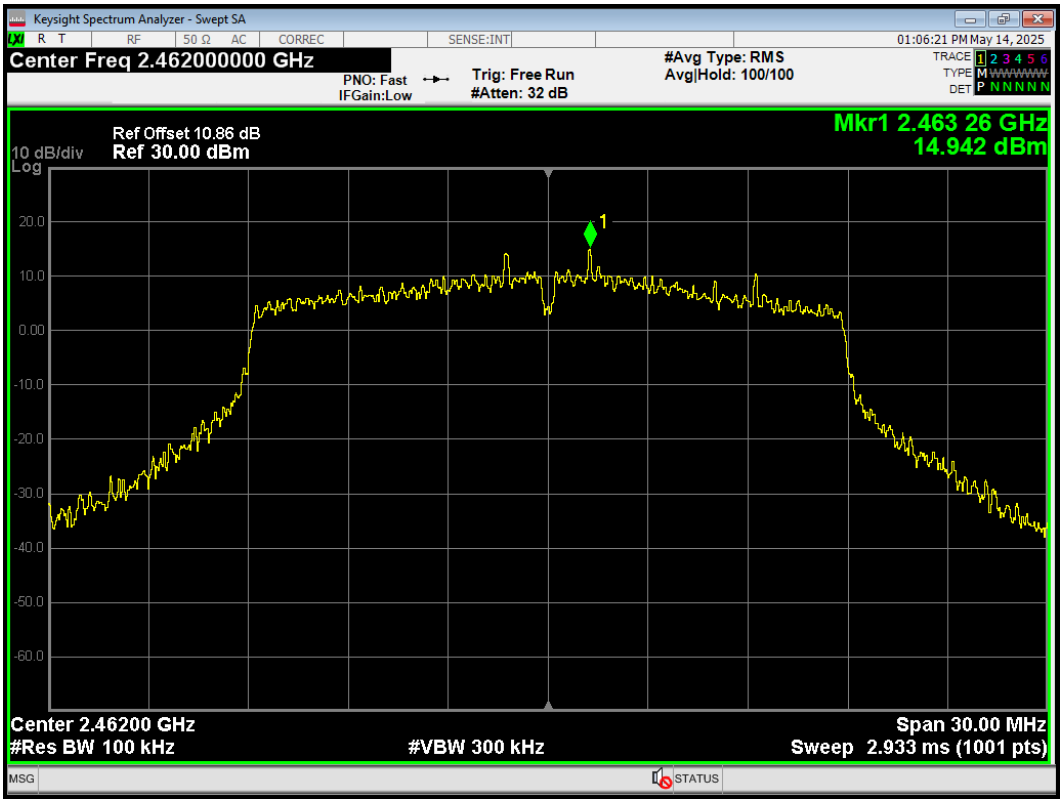
Band Edge 802.11n(HT20) 2457MHz Ref



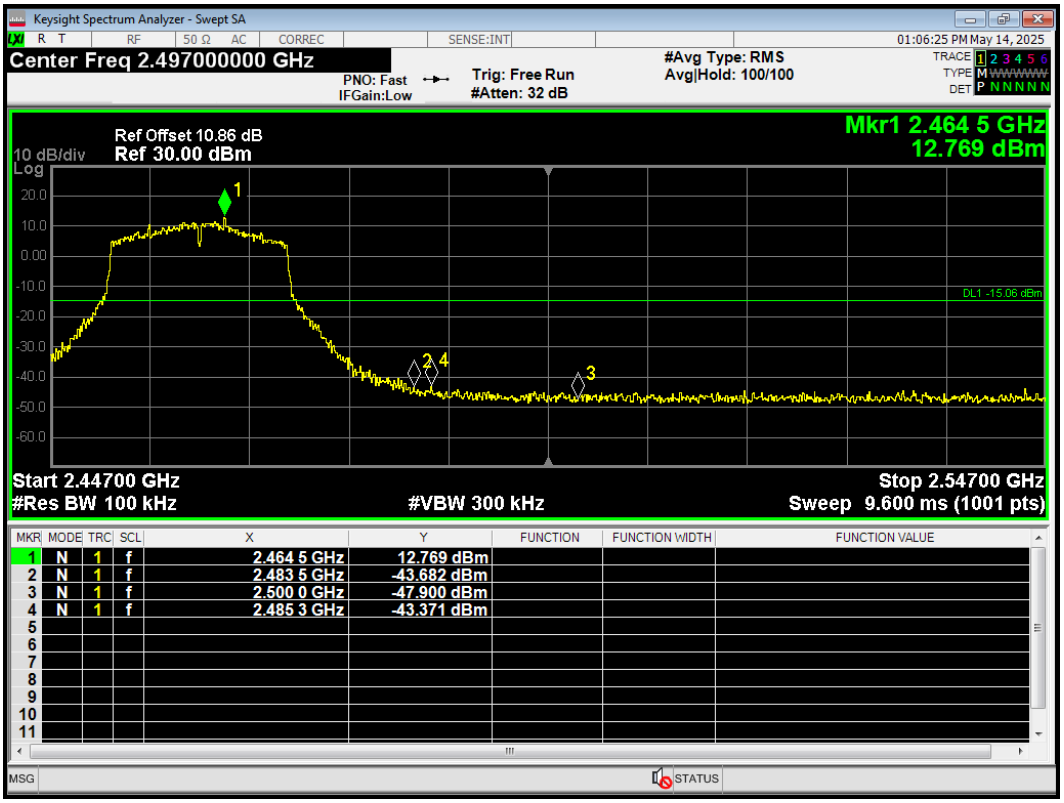
Band Edge 802.11n(HT20) 2457MHz Emission



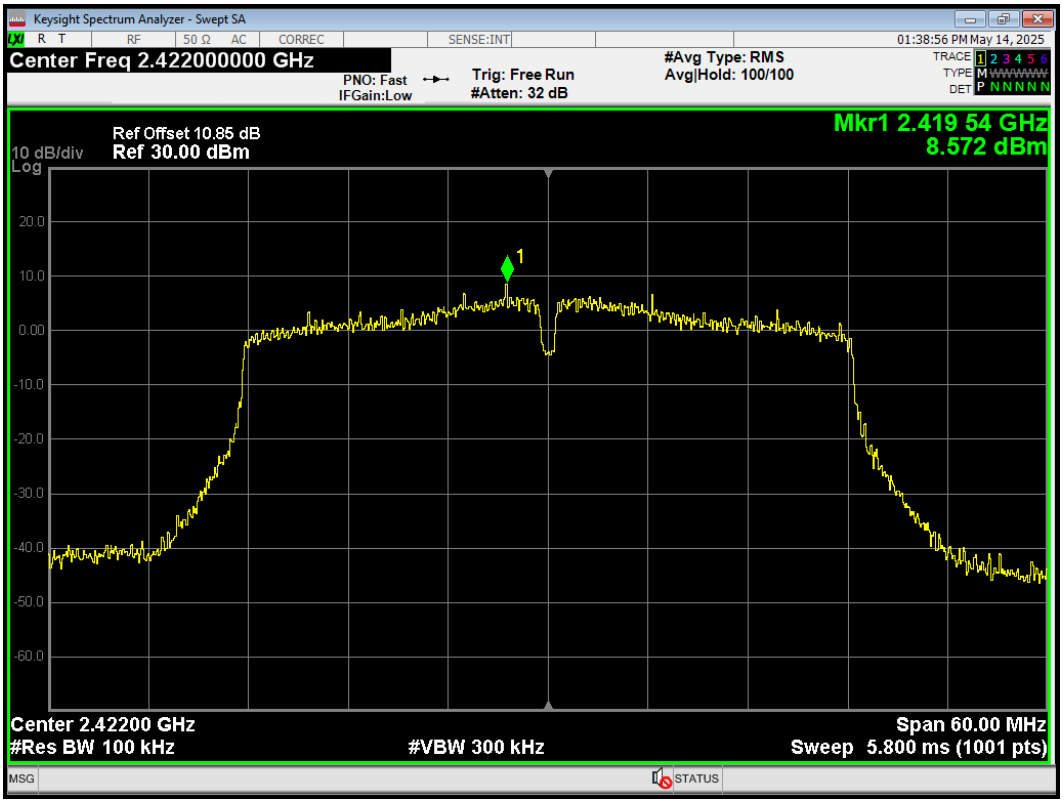
Band Edge 802.11n(HT20) 2462MHz Ref



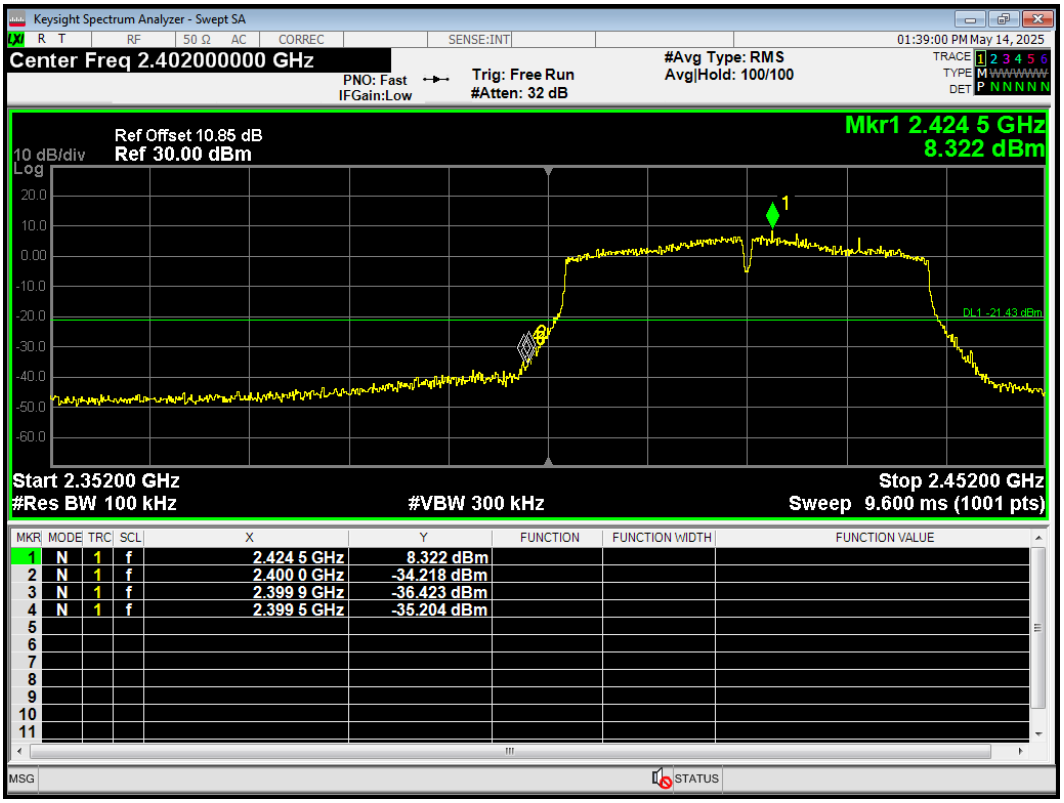
Band Edge 802.11n(HT20) 2462MHz Emission



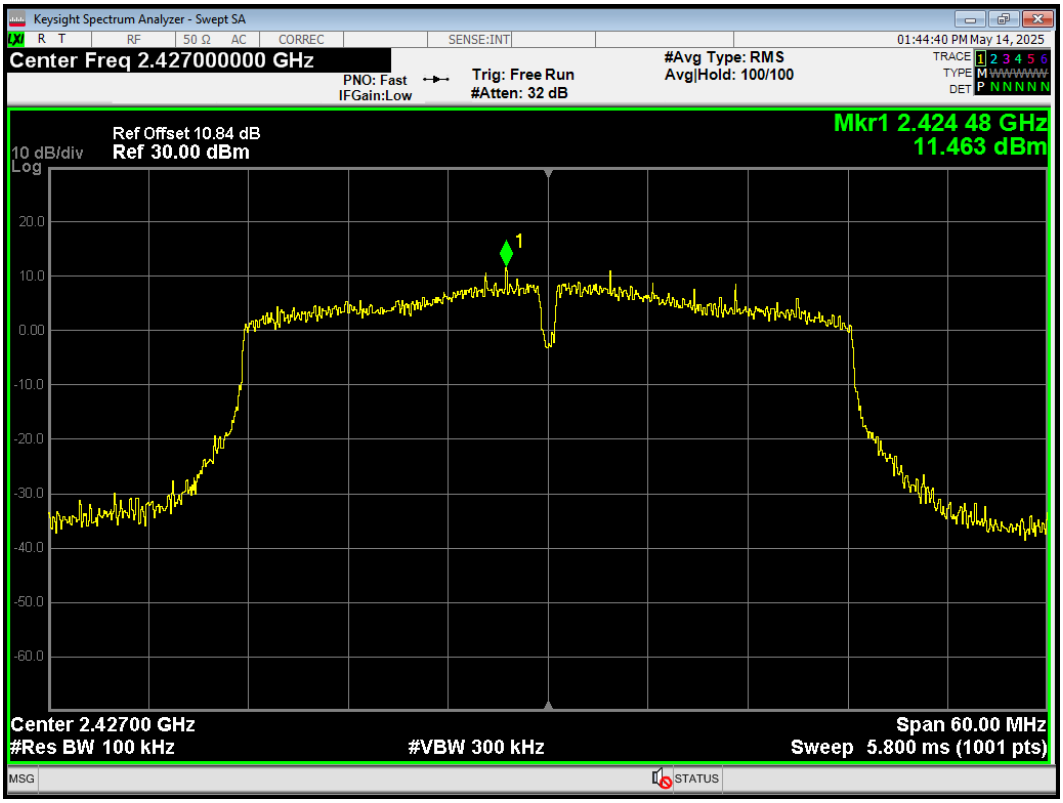
Band Edge 802.11n(HT40) 2422MHz Ref



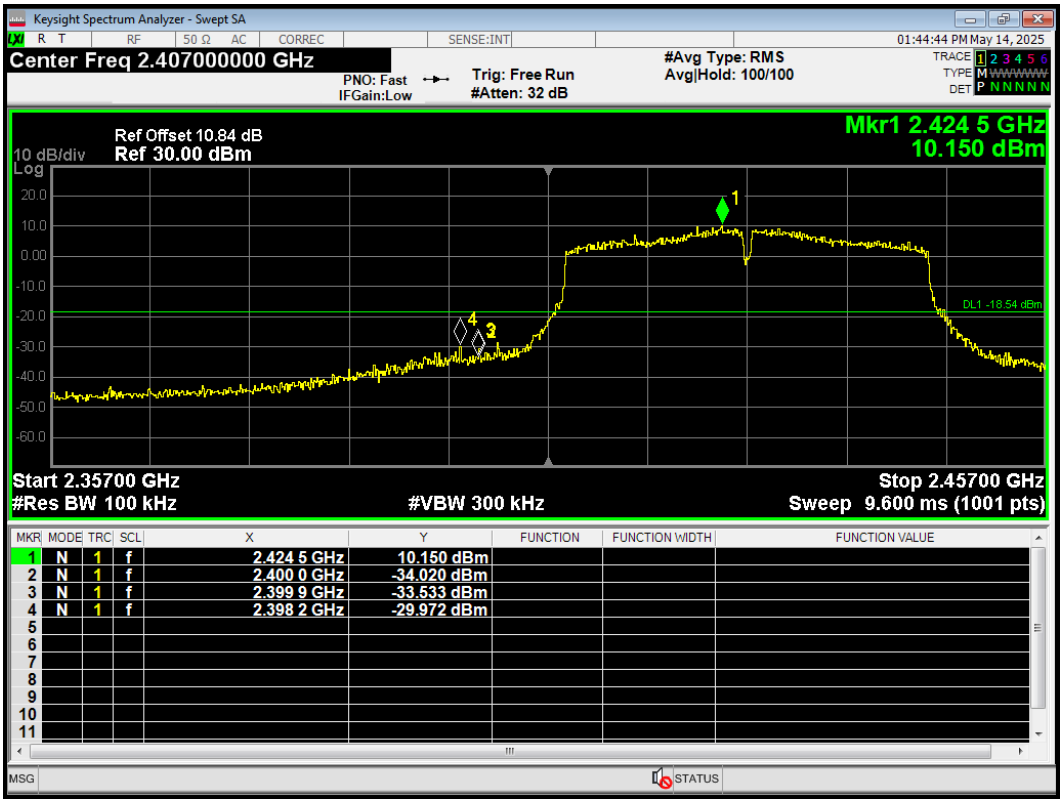
Band Edge 802.11n(HT40) 2422MHz Emission



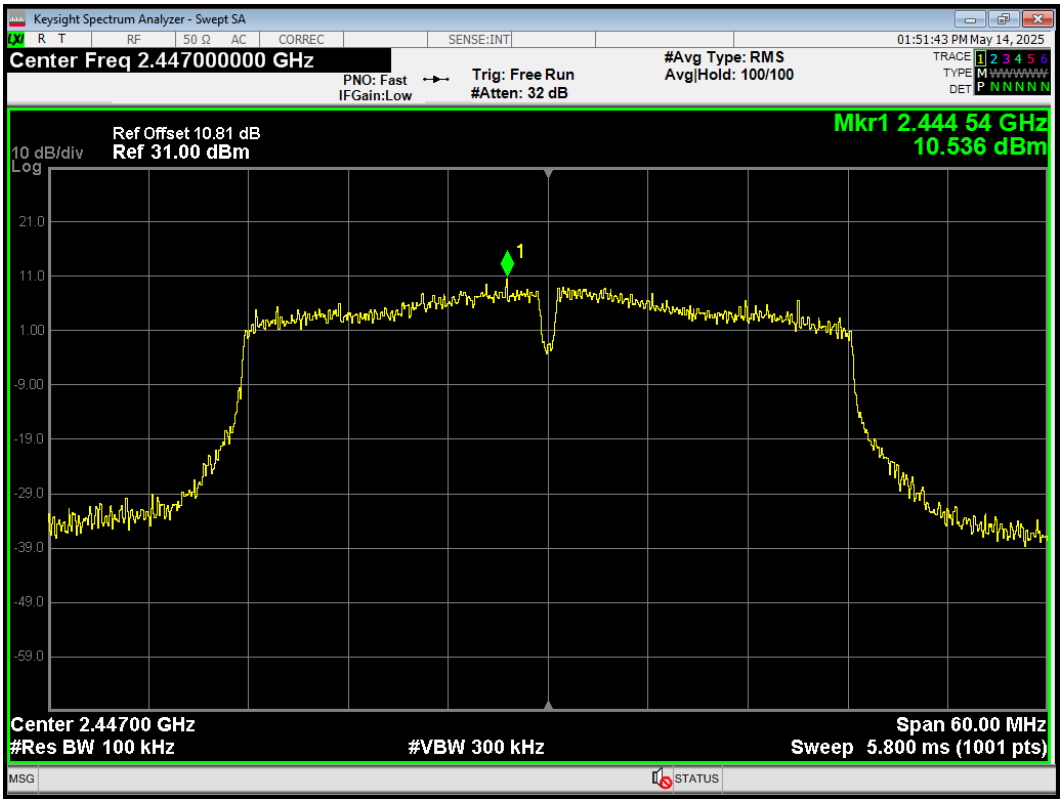
Band Edge 802.11n(HT40) 2427MHz Ref



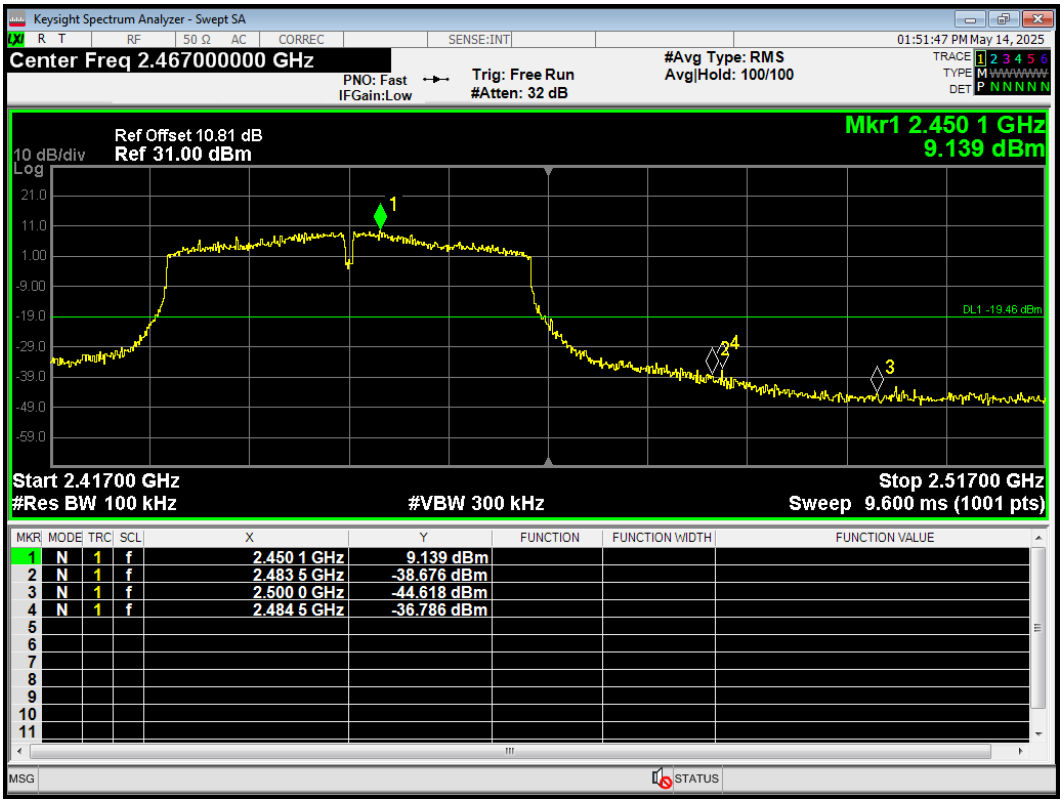
Band Edge 802.11n(HT40) 2427MHz Emission



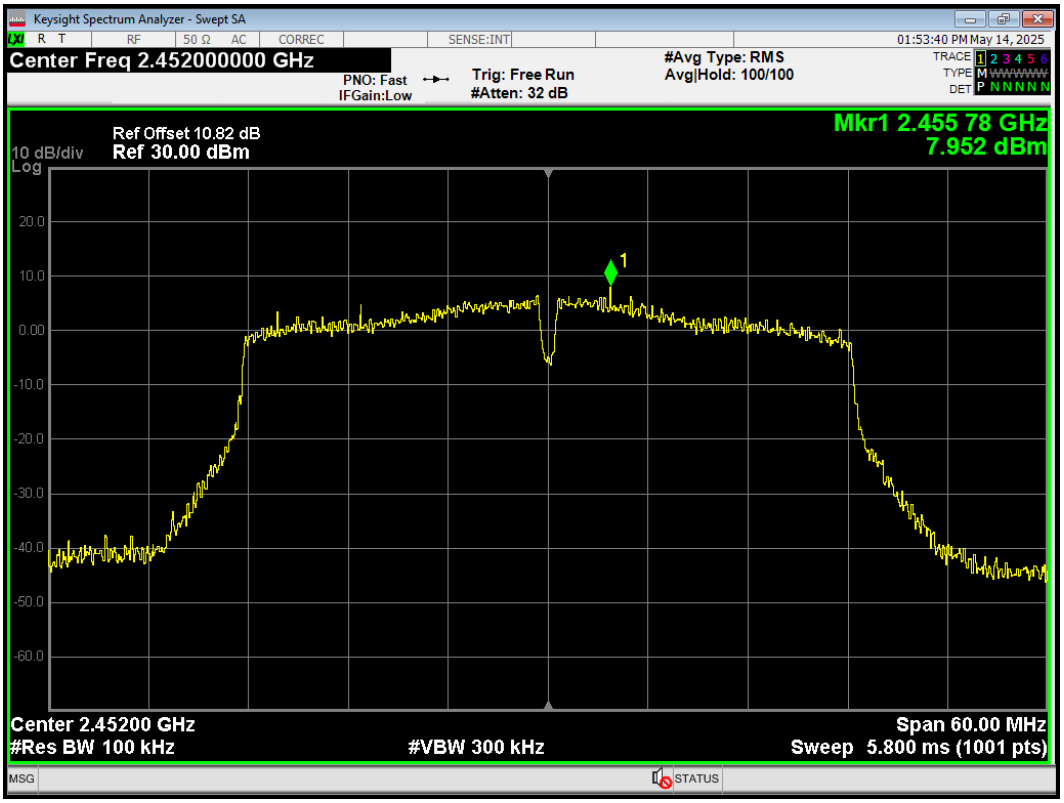
Band Edge 802.11n(HT40) 2447MHz Ref



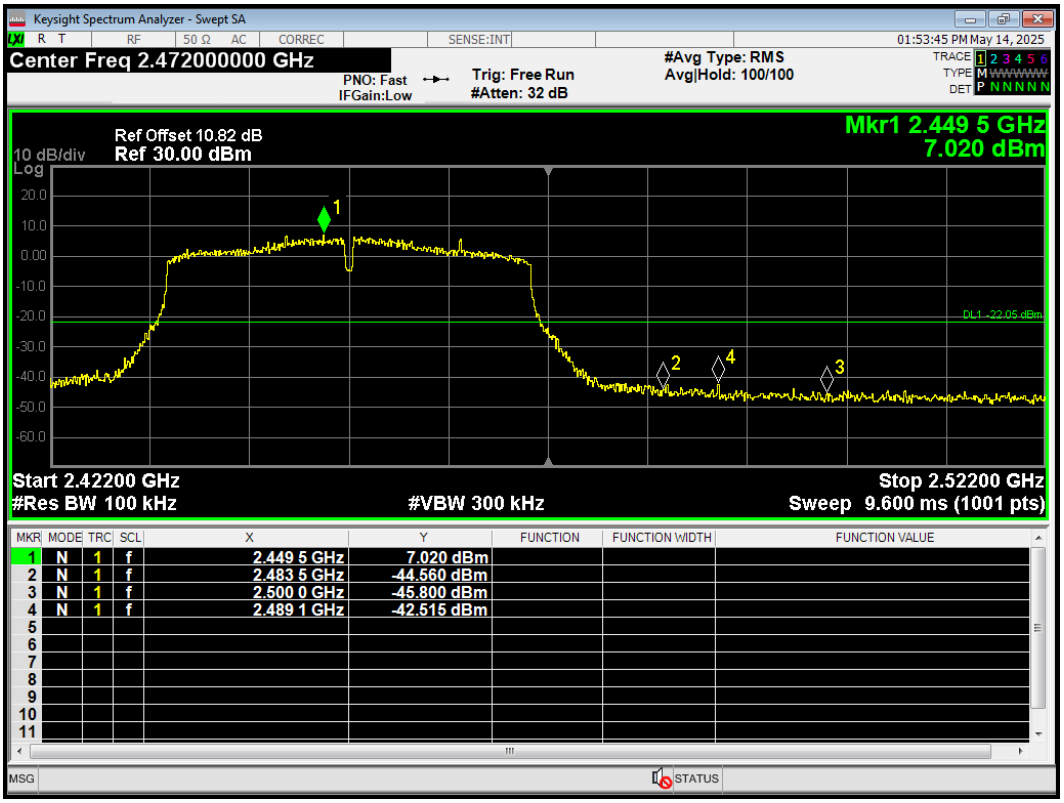
Band Edge 802.11n(HT40) 2447MHz Emission



Band Edge 802.11n(HT40) 2452MHz Ref

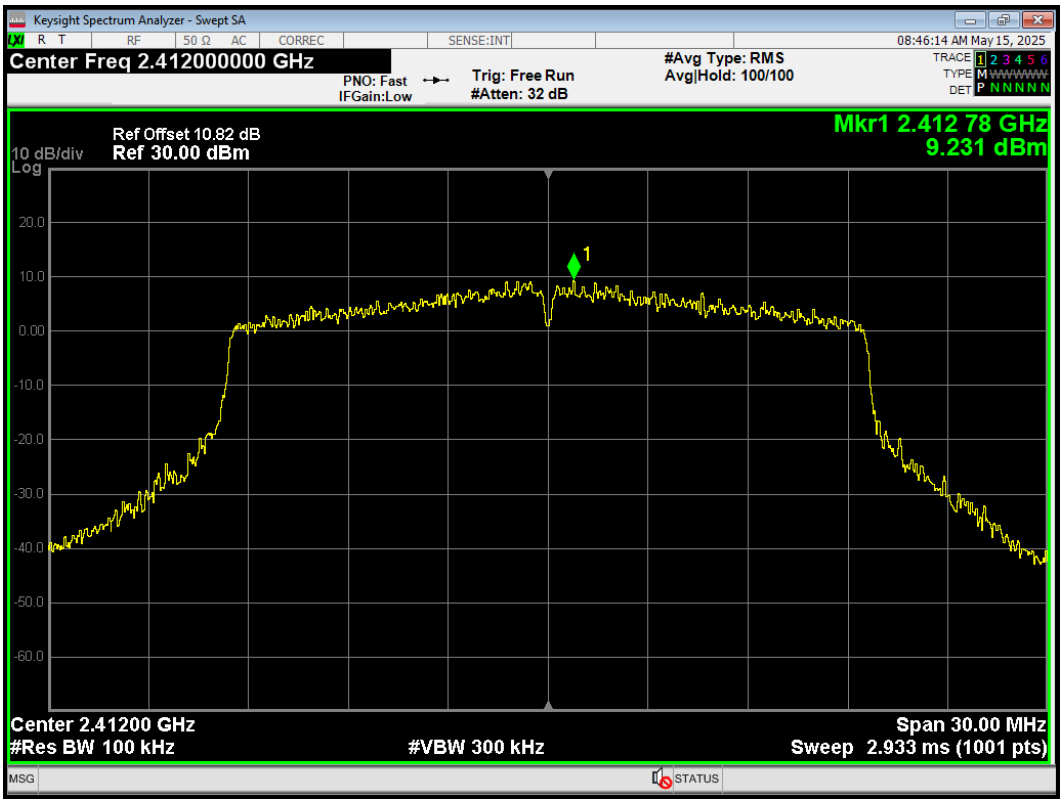


Band Edge 802.11n(HT40) 2452MHz Emission

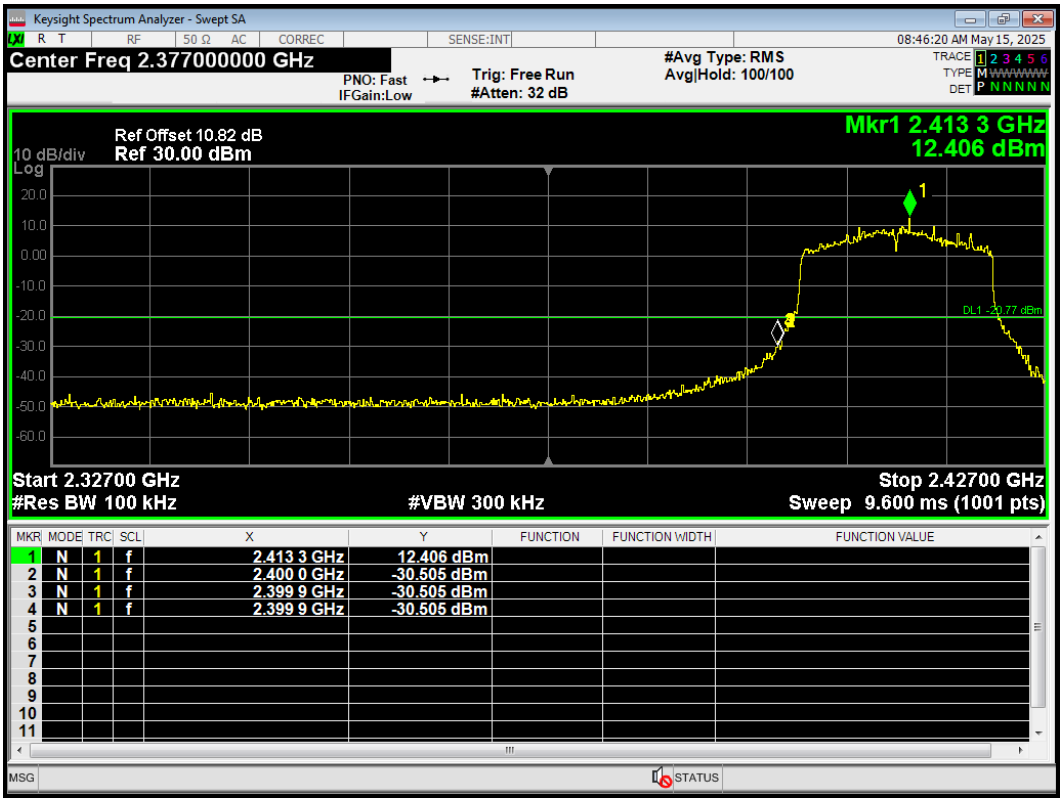


RU Mode

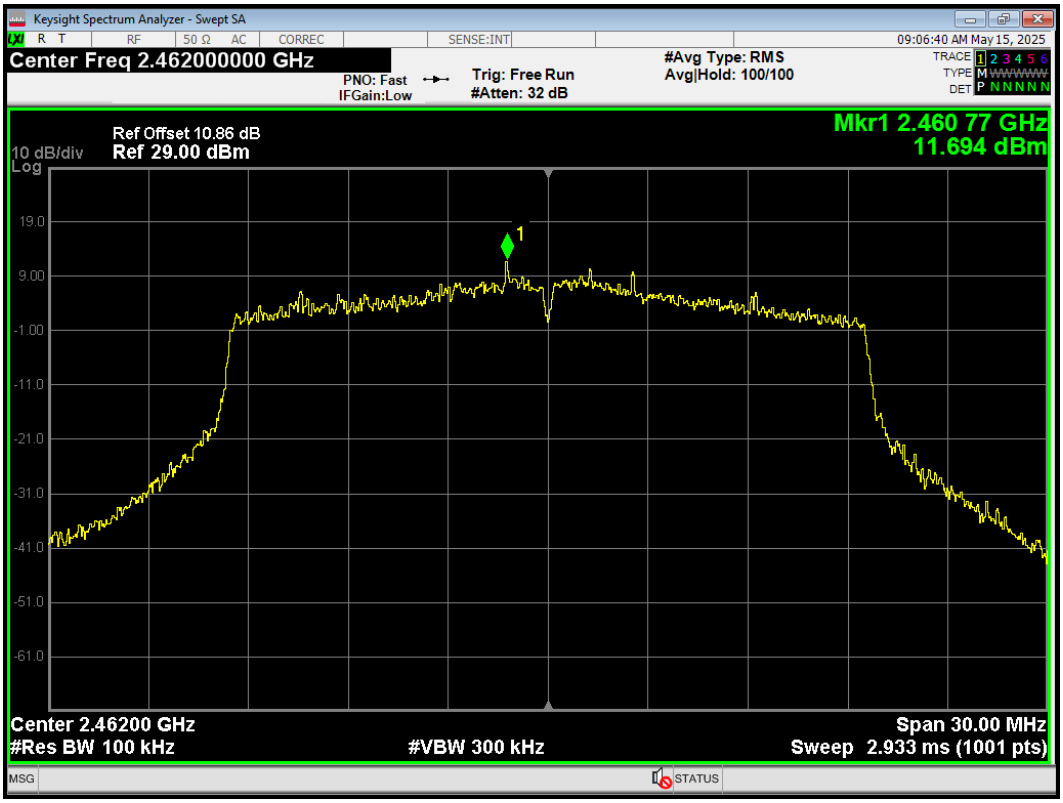
Band Edge 802.11ax HE20 242T 2412MHz Ref



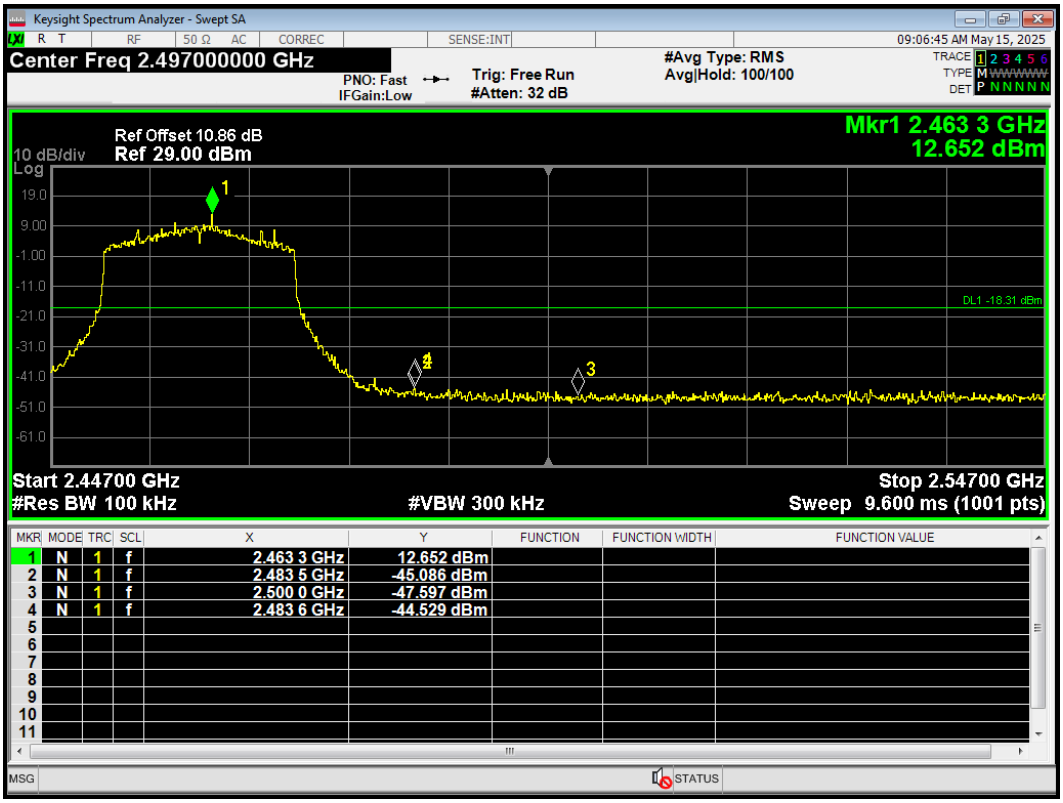
Band Edge 802.11ax HE20 242T 2412MHz Emission



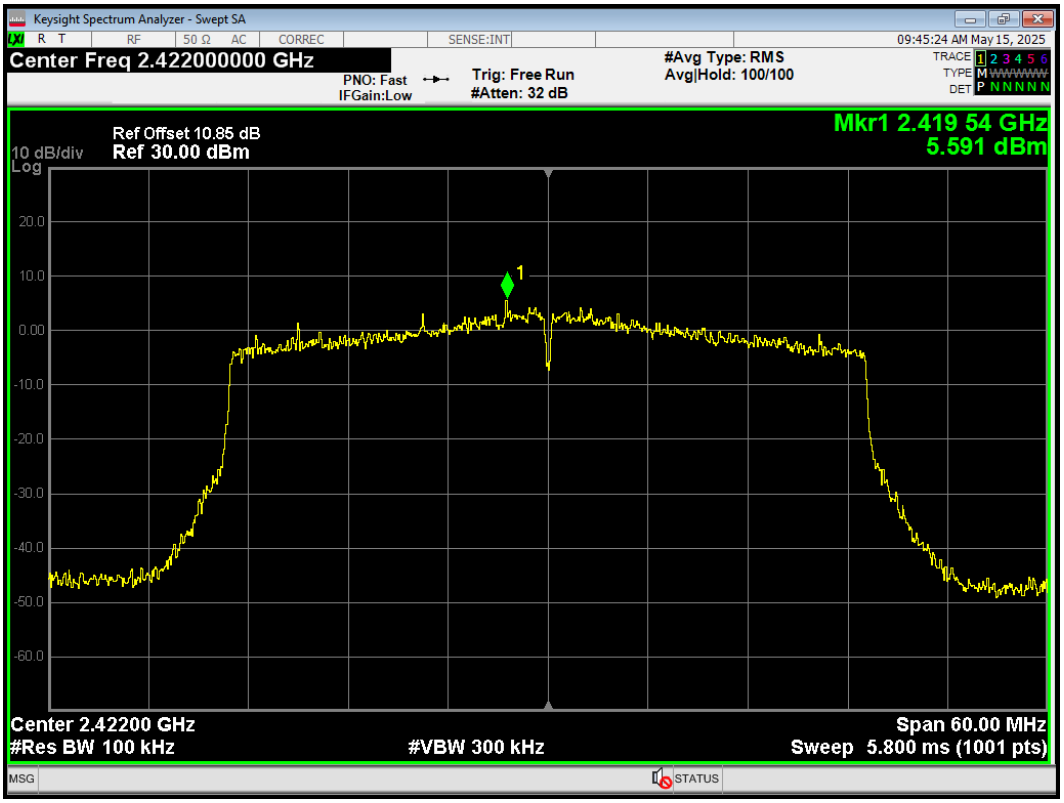
Band Edge 802.11ax HE20 242T 2462MHz Ref



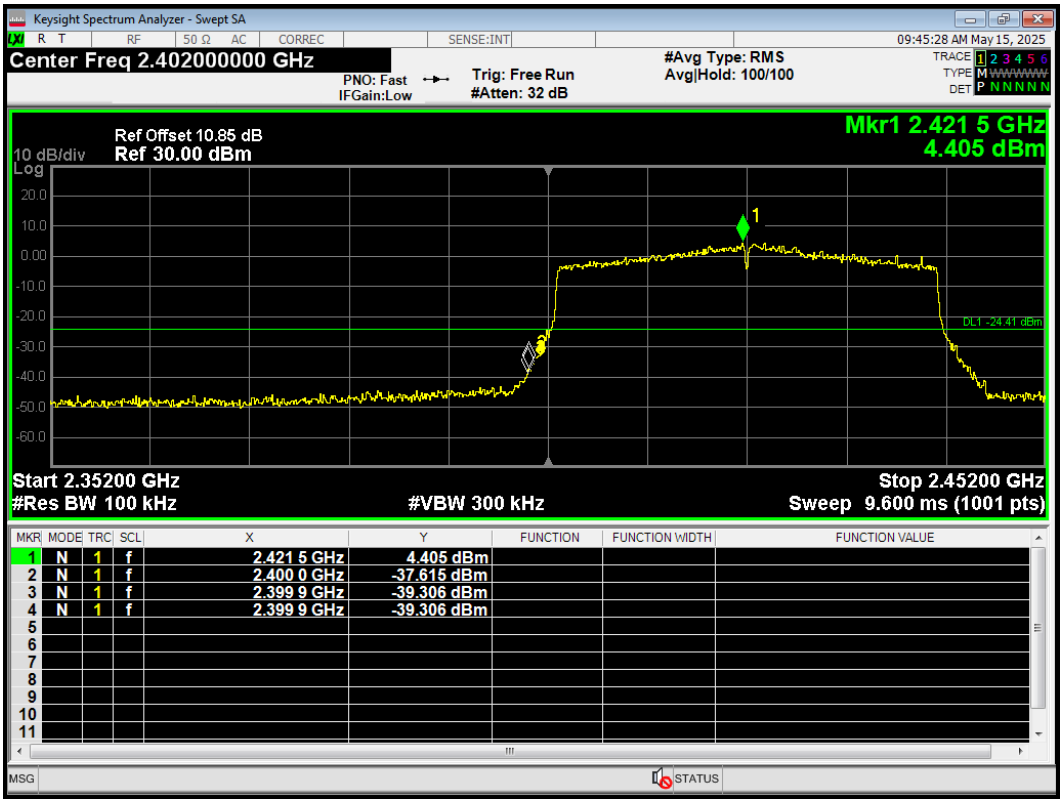
Band Edge 802.11ax HE20 242T 2462MHz Emission



Band Edge 802.11ax HE40 484T 2422MHz Ref



Band Edge 802.11ax HE40 484T 2422MHz 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 AVGPSD-1 was used for this test.

a) Set instrument center frequency to DTS channel center frequency

b) Set span to at least 1.5 times the OBW

c) Set RBW to:3kHz≤RBW≤100kHz

d) Set VBW≥[3x RBW]

e) Detector=power averaging (rms) or sample detector (when rms not available)

f) Ensure that the number of measurement points in the sweep ≥ [2 X span/RBW]

g) Sweep time auto couple

h) Employ trace averaging (rms) mode over a minimum of 100 traces

i) Use the peak marker function to determine the maximum amplitude level.

j) 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 AVGPSD-2 was used for this test.

a) Measure the duty cycle (D)of the transmitter output signal as described in 11.6

b) Set instrument center frequency to DTS channel center frequency

c) Set span to at least 1.5 times the OBW

d) Set RBW to:3kHz≤RBW≤100kHz

e) Set VBW≥[3x RBW]

f) Detector= power averaging (rms) or sample detector (when rms not available)

g) Ensure that the number of measurement points in the sweep ≥ [2 X span/RBW]

h) Sweep time =auto couple

i) Do not use sweep triggering; allow sweep to "free run”

j) Employ trace averaging (rms) mode over a minimum of 100 traces

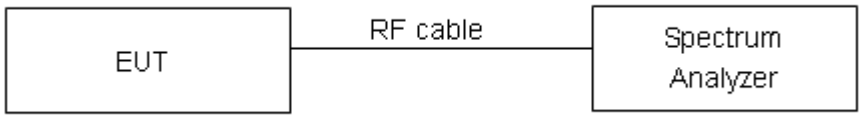
k) Use the peak marker function to determine the maximum amplitude level

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)

The conducted Power is measured at each antenna port. The measured results at the various antenna ports are then summed mathematically.

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	≤ 8 dBm / 3kHz

Measurement Uncertainty

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

Test Results:

SU Mode

MIMO

Test Mode	Carrier frequency (MHz)/ Channel	Power Spectral Density				Total PSD	Limit (dBm / 3kHz)	Conclusion
		Antenna 1		Antenna 2				
		Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	(dBm / 3kHz)		
802.11b	2412/CH 1	5.85	-4.15	6.31	-3.69	-0.90	8.00	PASS
	2437/CH 6	5.55	-4.45	6.41	-3.59	-0.99	8.00	PASS
	2462/CH11	5.60	-4.40	6.46	-3.54	-0.94	8.00	PASS
802.11g	2412/CH 1	2.34	-7.66	2.74	-7.26	-4.45	8.00	PASS
	2417/CH 2	4.38	-5.62	5.59	-4.41	-1.96	8.00	PASS
	2437/CH 6	4.07	-5.93	5.46	-4.54	-2.17	8.00	PASS
	2457/CH 10	3.59	-6.41	5.43	-4.57	-2.38	8.00	PASS
	2462/CH11	0.82	-9.18	2.60	-7.40	-5.19	8.00	PASS
802.11n HT20	2412/CH 1	0.48	-9.52	1.56	-8.44	-5.94	8.00	PASS
	2417/CH 2	3.51	-6.49	4.37	-5.63	-3.03	8.00	PASS
	2437/CH 6	3.25	-6.75	4.87	-5.13	-2.85	8.00	PASS
	2457/CH 10	3.41	-6.59	4.93	-5.07	-2.75	8.00	PASS
	2462/CH11	0.30	-9.70	1.89	-8.11	-5.82	8.00	PASS
802.11n HT40	2422/CH3	-4.41	-14.41	-3.99	-13.99	-11.18	8.00	PASS
	2427/CH4	-1.67	-11.67	-0.90	-10.90	-8.26	8.00	PASS
	2437/CH6	-2.01	-12.01	-0.52	-10.52	-8.19	8.00	PASS
	2447/CH8	-1.52	-11.52	-0.67	-10.67	-8.06	8.00	PASS
	2452/CH9	-4.64	-14.64	-3.75	-13.75	-11.16	8.00	PASS
802.11ax HE20	2412/CH 1	0.06	-9.94	-0.35	-10.35	-7.13	8.00	PASS
	2417/CH 2	2.33	-7.67	3.14	-6.86	-4.24	8.00	PASS
	2437/CH 6	3.12	-6.88	2.63	-7.37	-4.11	8.00	PASS
	2457/CH 10	3.47	-6.53	2.48	-7.52	-3.99	8.00	PASS
	2462/CH11	-1.77	-11.77	-0.55	-10.55	-8.11	8.00	PASS
802.11ax HE40	2422/CH3	-5.90	-15.90	-5.58	-15.58	-12.73	8.00	PASS
	2427/CH4	-3.55	-13.55	-2.27	-12.27	-9.85	8.00	PASS
	2437/CH6	-3.50	-13.50	-1.73	-11.73	-9.52	8.00	PASS
	2447/CH8	-3.52	-13.52	-2.00	-12.00	-9.68	8.00	PASS

	2452/CH9	-5.32	-15.32	-5.87	-15.87	-12.58	8.00	PASS

Note: 1.Power Spectral Density (dBm/3kHz) =Read Value+Duty cycle correction factor + 10*LOG10(3 / 30)

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density=10log($10^{(\text{PSD antenna1 in dBm/10})}+10^{(\text{PSD antenna2 in dBm/10})}$

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2) (ii): If all antennas have the same gain, directional gain = 5 dBi < 6dBi.

Beamforming

Test Mode	Carrier frequency (MHz)/ Channel	Power Spectral Density				Total PSD	Limit (dBm / 3kHz)	Conclusion
		Antenna 1		Antenna 2				
		Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	(dBm / 3kHz)		
802.11b	2412/CH 1	4.07	-5.93	4.00	-6.00	-2.95	5.99	PASS
	2437/CH 6	4.08	-5.92	4.11	-5.89	-2.89	5.99	PASS
	2462/CH11	4.60	-5.40	3.89	-6.11	-2.73	5.99	PASS
802.11g	2412/CH 1	2.34	-7.66	2.74	-7.26	-4.45	5.99	PASS
	2437/CH 6	1.86	-8.14	3.25	-6.75	-4.38	5.99	PASS
	2462/CH11	0.82	-9.18	2.60	-7.40	-5.19	5.99	PASS
802.11n HT20	2412/CH 1	0.48	-9.52	1.56	-8.44	-5.94	5.99	PASS
	2437/CH 6	2.46	-7.54	1.88	-8.12	-4.81	5.99	PASS
	2462/CH11	0.30	-9.70	1.89	-8.11	-5.82	5.99	PASS
802.11n HT40	2422/CH3	-4.41	-14.41	-3.99	-13.99	-11.18	5.99	PASS
	2427/CH4	-1.67	-11.67	-0.90	-10.90	-8.26	5.99	PASS
	2437/CH6	-2.01	-12.01	-0.52	-10.52	-8.19	5.99	PASS
	2447/CH8	-1.52	-11.52	-0.67	-10.67	-8.06	5.99	PASS
	2452/CH9	-4.64	-14.64	-3.75	-13.75	-11.16	5.99	PASS
802.11ax HE20	2412/CH 1	0.06	-9.94	-0.35	-10.35	-7.13	5.99	PASS
	2437/CH 6	0.32	-9.68	1.65	-8.35	-5.95	5.99	PASS
	2462/CH11	-1.77	-11.77	-0.55	-10.55	-8.11	5.99	PASS
802.11ax HE40	2422/CH3	-5.90	-15.90	-5.58	-15.58	-12.73	5.99	PASS
	2427/CH4	-3.55	-13.55	-2.27	-12.27	-9.85	5.99	PASS
	2437/CH6	-3.50	-13.50	-1.73	-11.73	-9.52	5.99	PASS
	2447/CH8	-3.52	-13.52	-2.00	-12.00	-9.68	5.99	PASS
	2452/CH9	-5.32	-15.32	-5.87	-15.87	-12.58	5.99	PASS

Note: 1.Power Spectral Density (dBm/3kHz) =Read Value+Duty cycle correction factor + 10*LOG10(3 / 30)

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density=10log($10^{(\text{PSD antenna1 in dBm/10})}+10^{(\text{PSD antenna2 in dBm/10})}$

3. And N_{ss}=1. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(i): If all antennas have the same gain, Directional gain = G_{ANT} + Array Gain. For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB, so directional gain=G_{ANT}+Array Gain=5+10log(2/1)=8.01 >6dBi.

So the PSD limit is 8+6-MAX(6, directional gain) dBm=5.99 dBm

RU Mode

MIMO

Test Mode	Carrier frequency (MHz)/ Channel	RU Index	Power Spectral Density				Total PSD	Limit (dBm / 3kHz)	Conclusion
			Antenna 1		Antenna 2				
			Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	(dBm / 3kHz)		
802.11ax HE20 242-Tones	2412/CH 1	61	-2.86	-12.65	-1.86	-11.65	-9.11	8.00	PASS
	2437/CH 6	61	-2.79	-12.58	-1.23	-11.02	-8.72	8.00	PASS
	2462/CH11	61	-2.72	-12.51	-1.52	-11.31	-8.86	8.00	PASS
802.11ax HE40 484-Tones	2422/CH3	65	-7.70	-17.48	-8.10	-17.88	-14.67	8.00	PASS

Note: 1.Power Spectral Density (dBm/3kHz) =Read Value+Duty cycle correction factor + 10*LOG10(3 / 30)

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density=10log($10^{(\text{PSD antenna1 in dBm/10})}$+$10^{(\text{PSD antenna2 in dBm/10})}$)

3. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2) (ii): If all antennas have the same gain, directional gain = 5 dBi < 6dBi.

Beamforming

Test Mode	Carrier frequency (MHz)/ Channel	RU Index	Power Spectral Density				Total PSD	Limit (dBm / 3kHz)	Conclusion
			Antenna 1		Antenna 2				
			Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	Read Value (dBm / 30kHz)	Power Spectral Density (dBm / 3kHz)	(dBm / 3kHz)		
802.11ax HE20 242-Tones	2412/CH 1	61	-2.86	-12.65	-1.86	-11.65	-9.11	5.99	PASS
	2437/CH 6	61	-2.79	-12.58	-1.23	-11.02	-8.72	5.99	PASS
	2462/CH11	61	-2.72	-12.51	-1.52	-11.31	-8.86	5.99	PASS
802.11ax HE40 484-Tones	2422/CH3	65	-7.70	-17.48	-8.10	-17.88	-14.67	5.99	PASS

Note: 1.Power Spectral Density (dBm/3kHz) =Read Value+Duty cycle correction factor + 10*LOG10(3 / 30)

2. For Total PSD, according to KDB 662911 D01 Multiple Transmitter Output v02r01 2)a),the power spectral density=10log($10^{(\text{PSD antenna1 in dBm/10})}$+$10^{(\text{PSD antenna2 in dBm/10})}$)

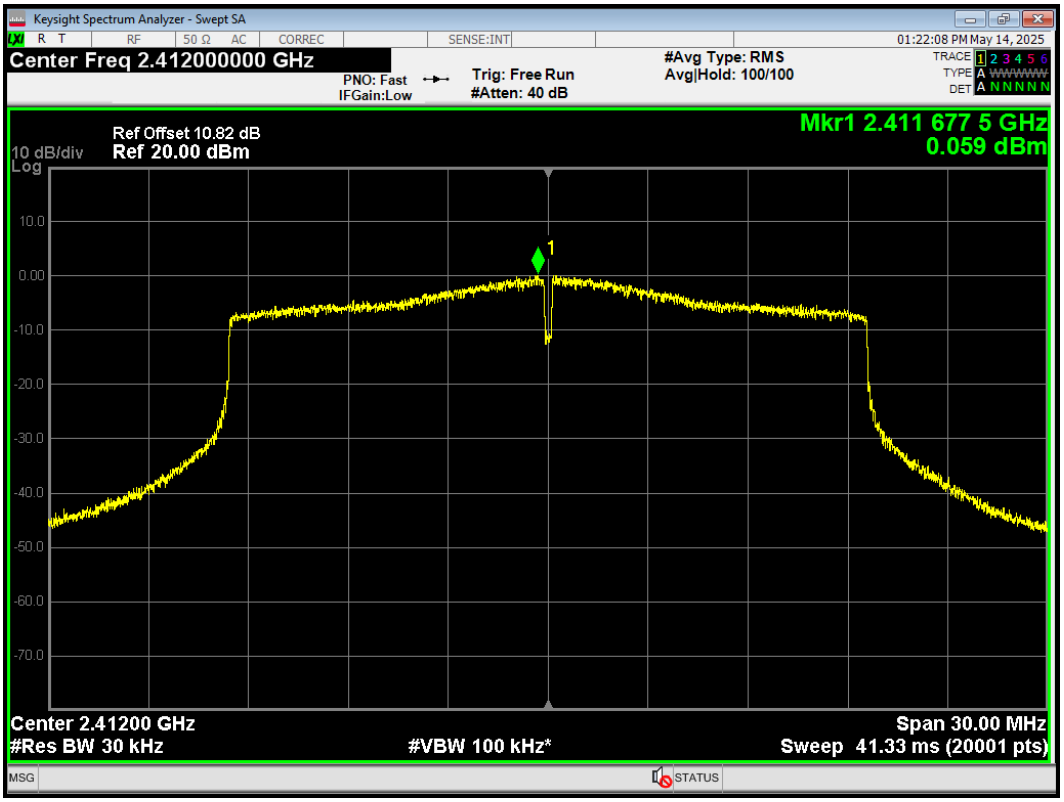
3. And N_{ss}=1. According to KDB 662911 D01 Multiple Transmitter Output v02r01 F)2)f)(i): If all antennas have the same gain, Directional gain = G_{ANT} + Array Gain. For PSD measurements on all devices, Array Gain=10log(Nant/Nss)dB, so directional gain=G_{ANT}+Array Gain=5+10log(2/1)=8.01 >6dBi.

So the PSD limit is 8+6-MAX(6, directional gain) dBm=5.99 dBm

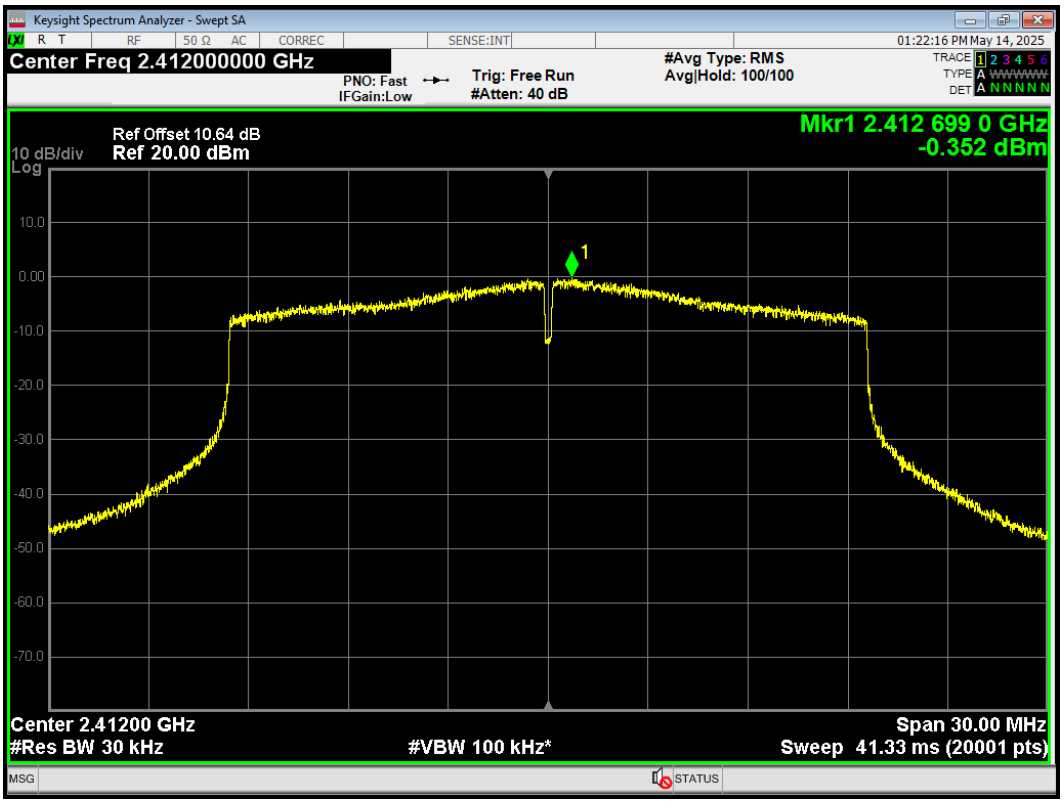
SU Mode

MIMO

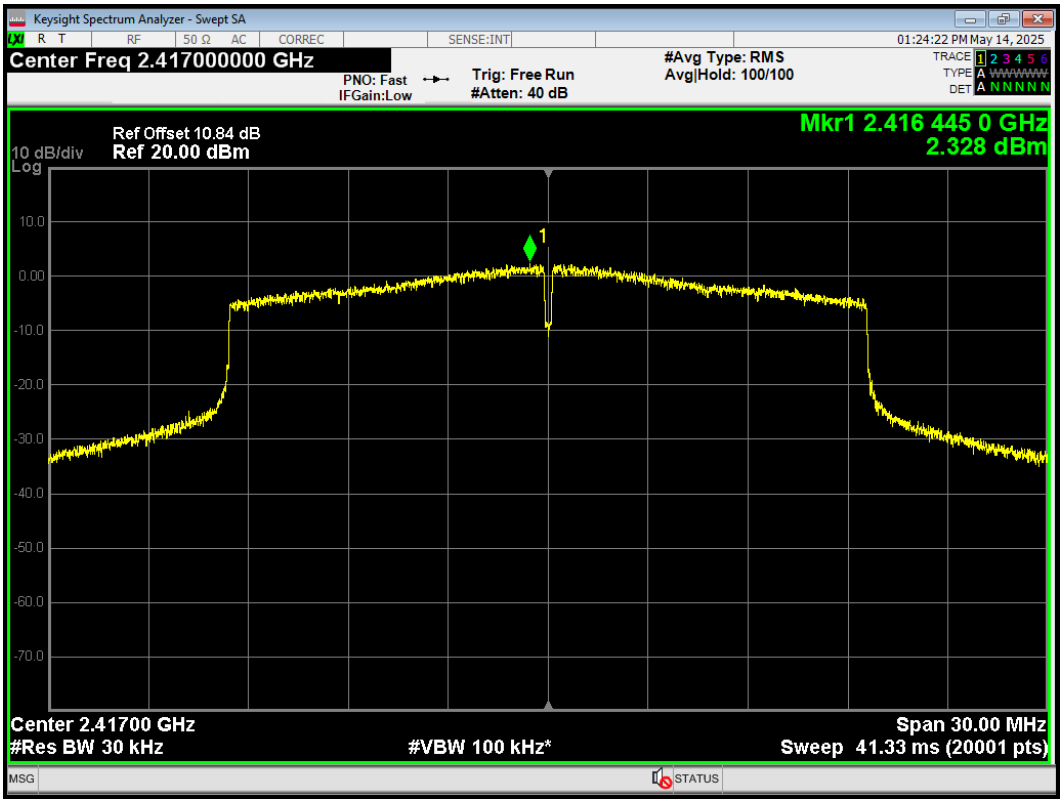
PSD 802.11ax(HE20) 2412MHz Ant1



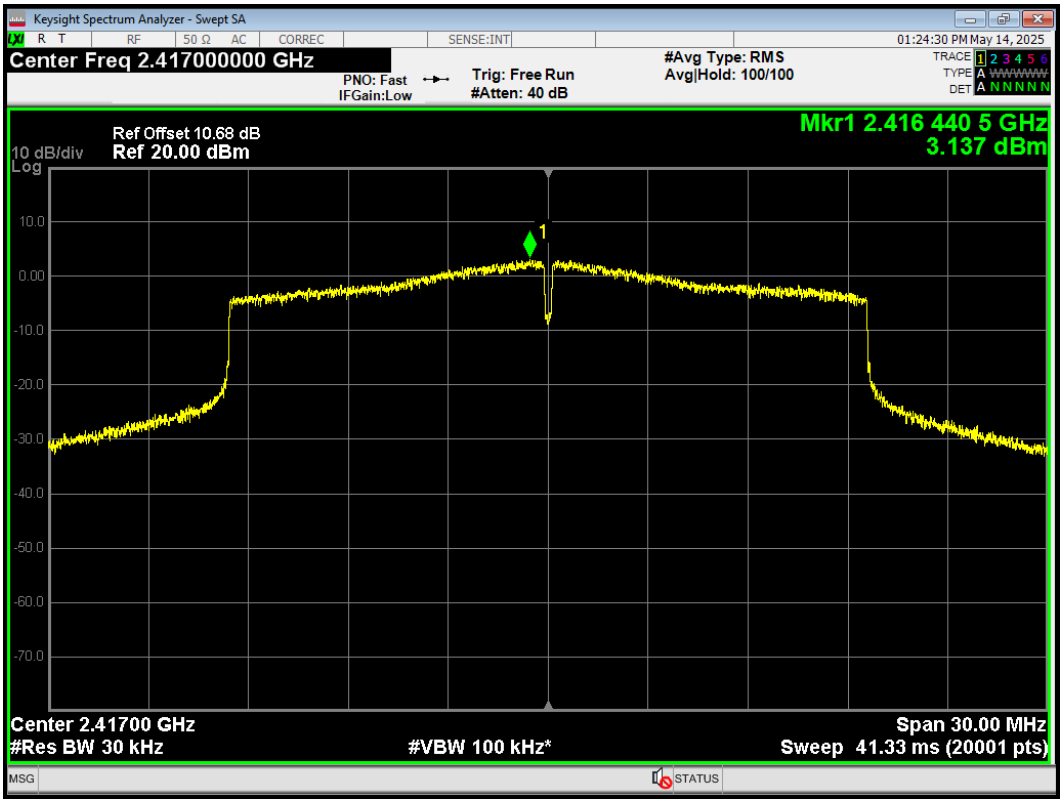
PSD 802.11ax(HE20) 2412MHz Ant2



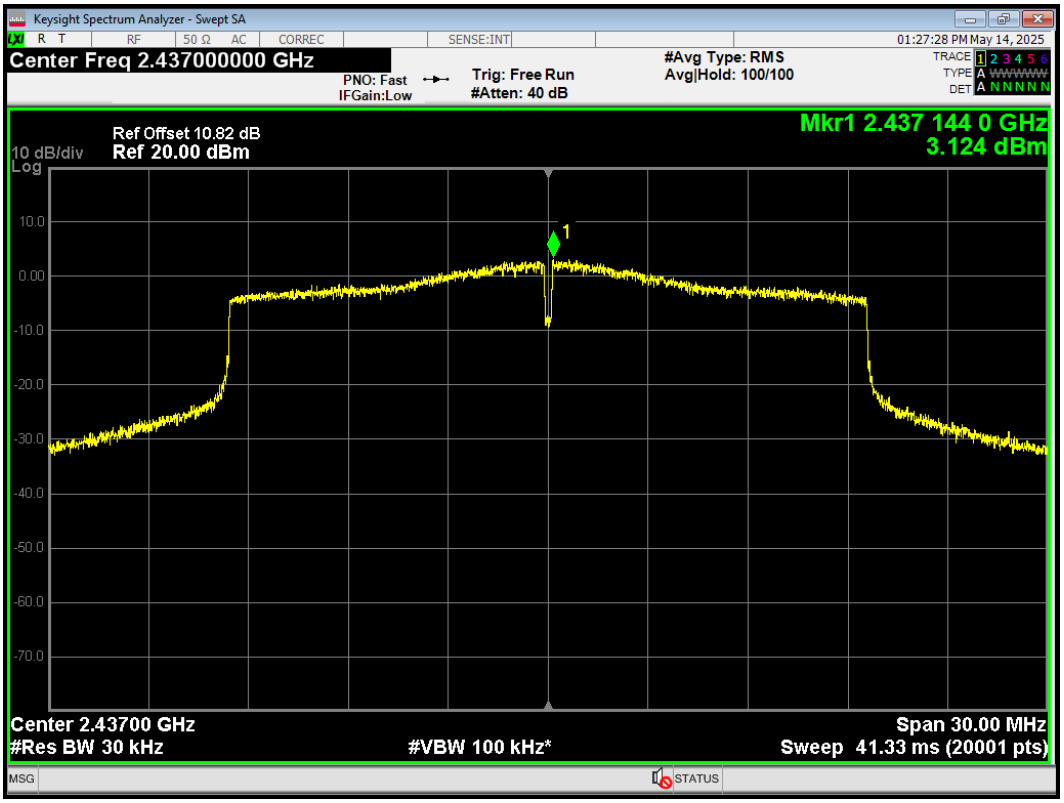
PSD 802.11ax(HE20) 2417MHz Ant1



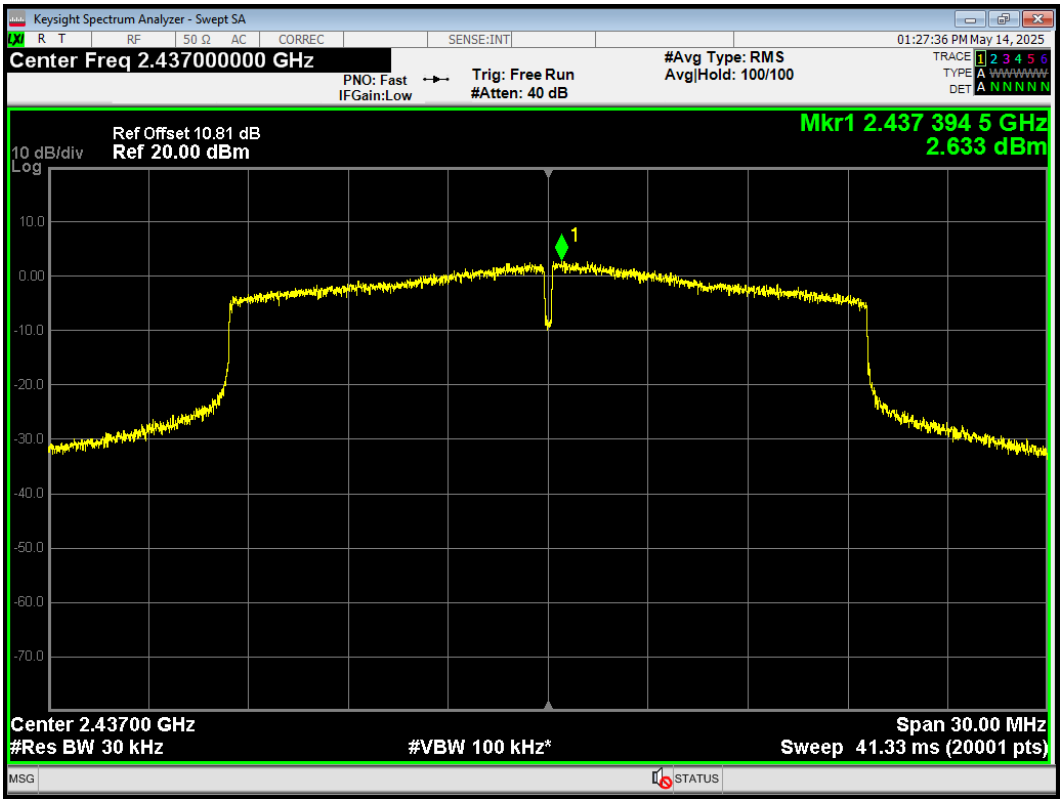
PSD 802.11ax(HE20) 2417MHz Ant2



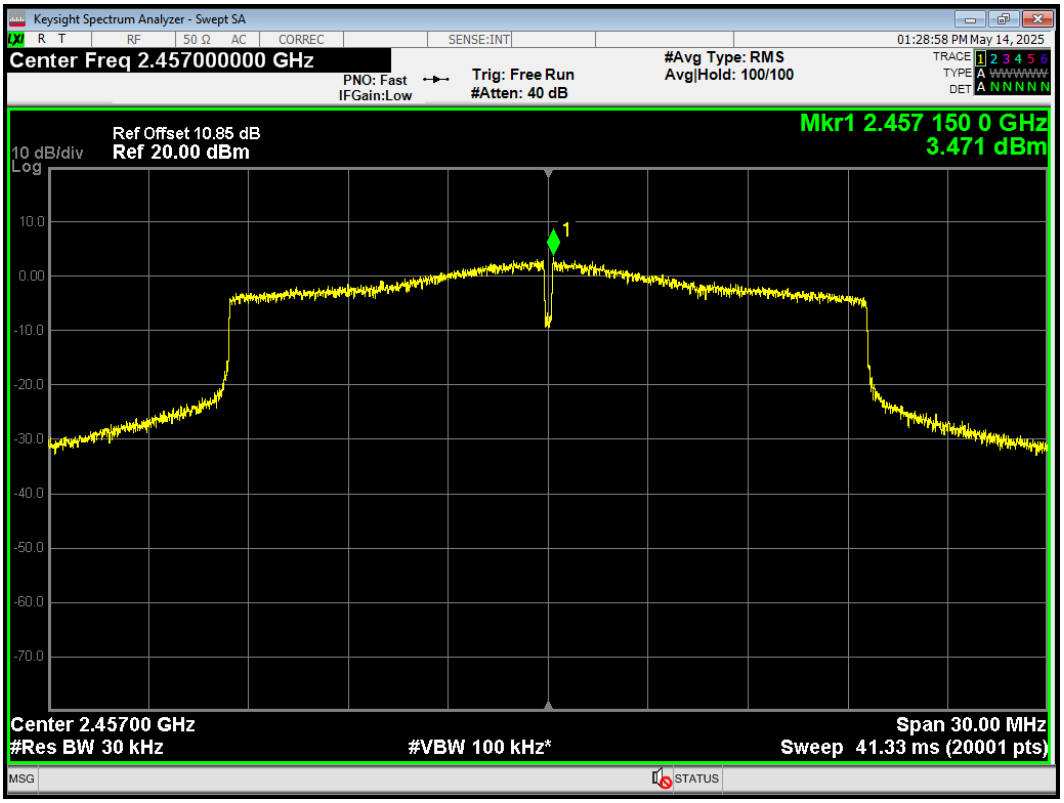
PSD 802.11ax(HE20) 2437MHz Ant1



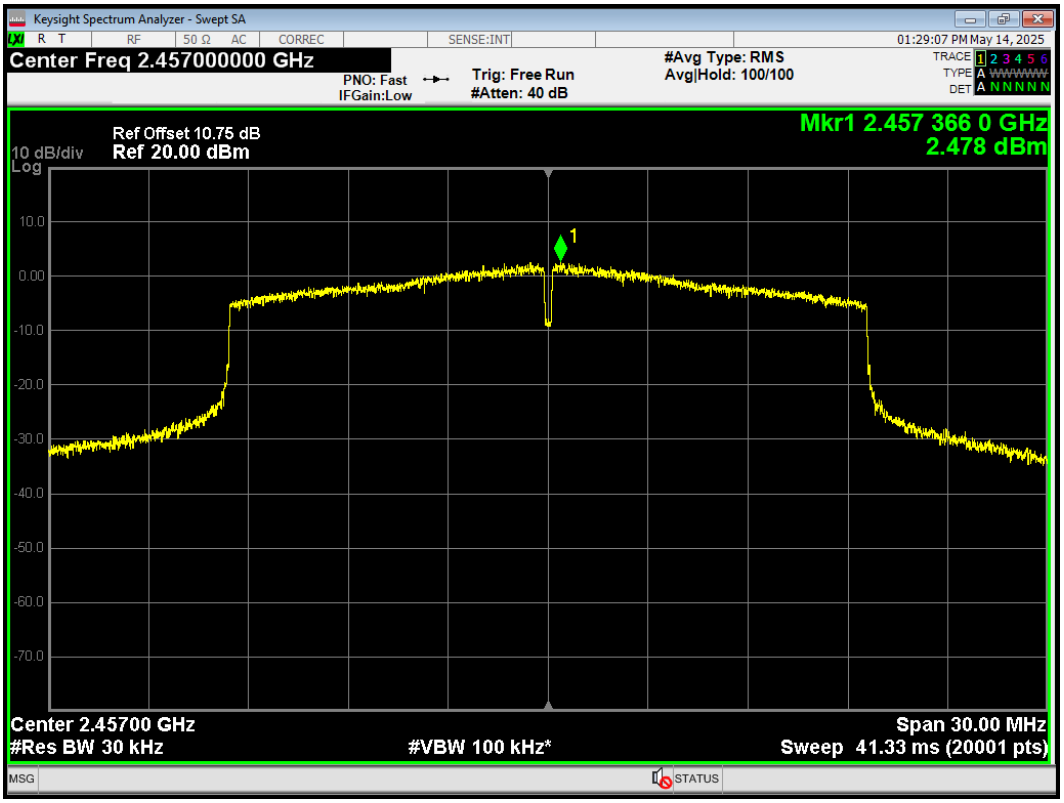
PSD 802.11ax(HE20) 2437MHz Ant2



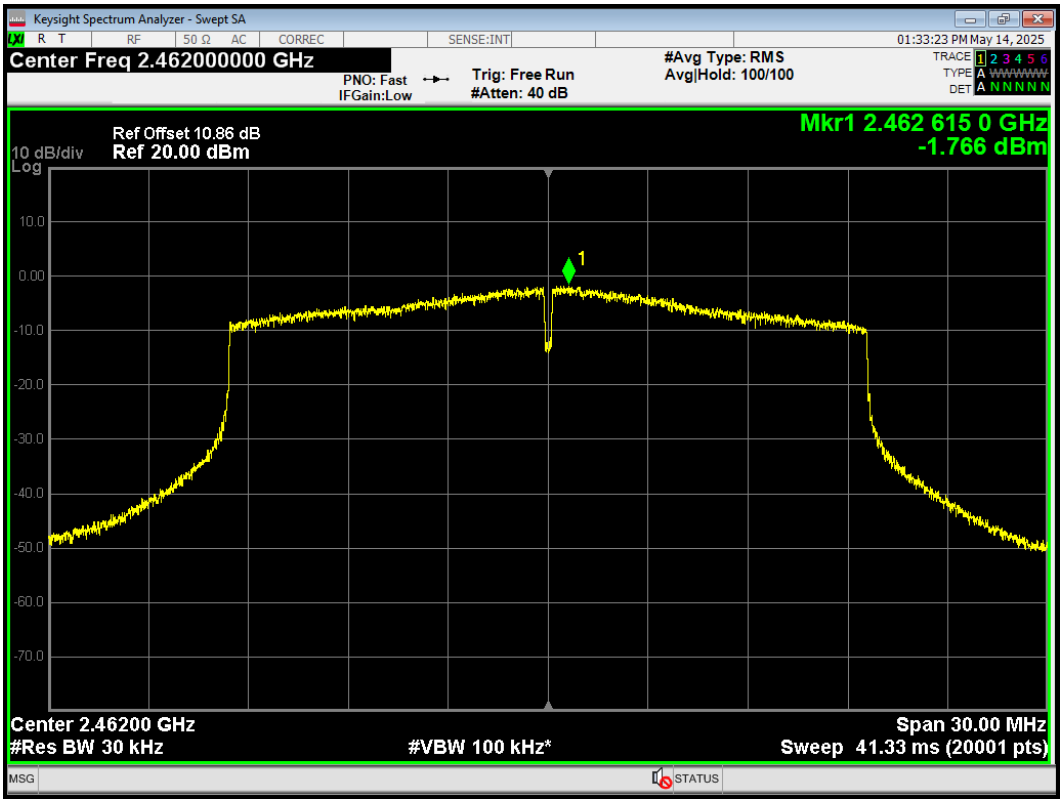
PSD 802.11ax(HE20) 2457MHz Ant1



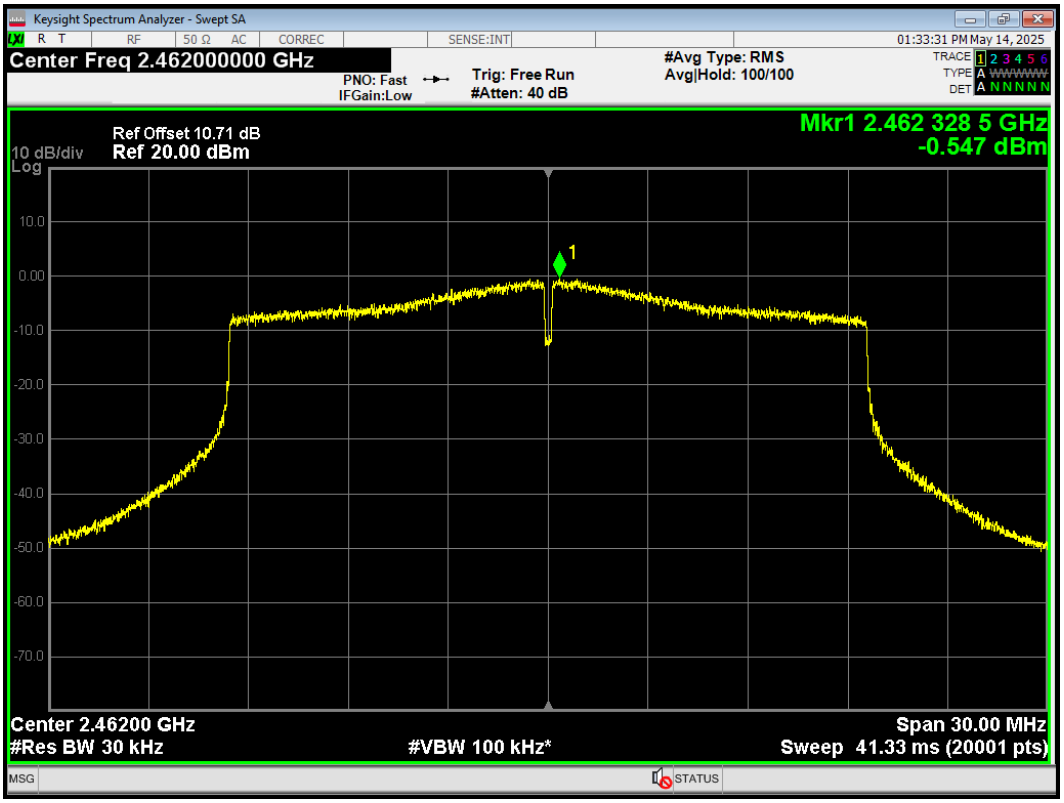
PSD 802.11ax(HE20) 2457MHz Ant2



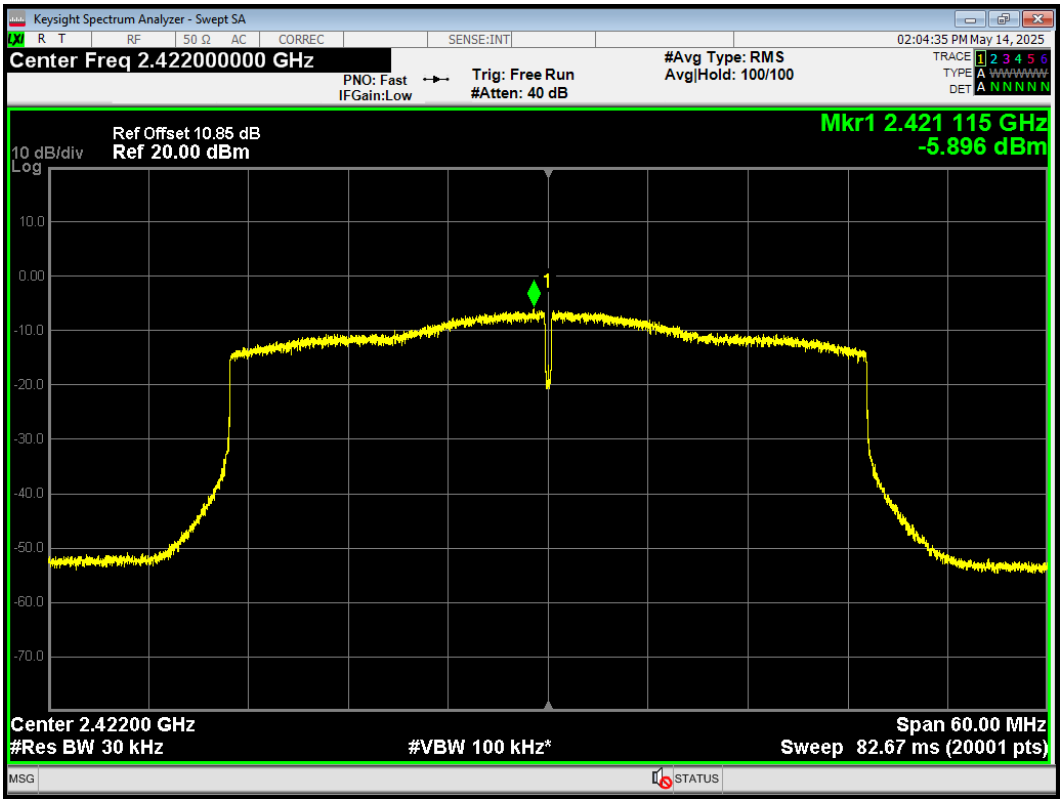
PSD 802.11ax(HE20) 2462MHz Ant1



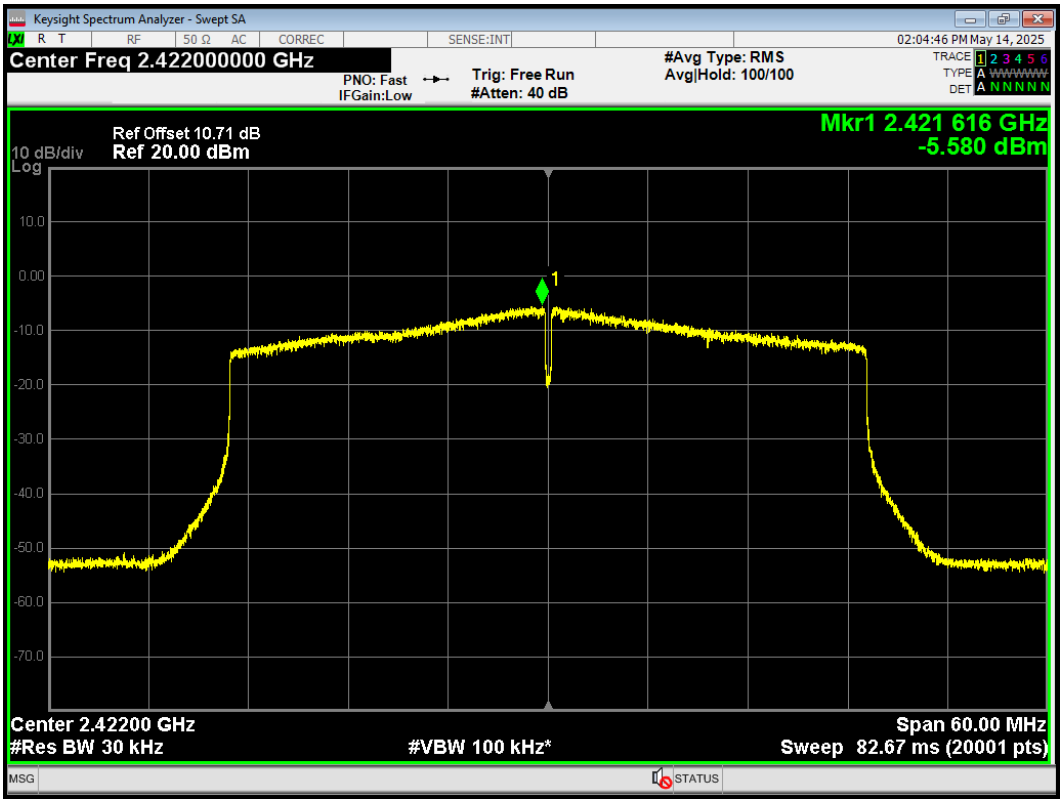
PSD 802.11ax(HE20) 2462MHz Ant2



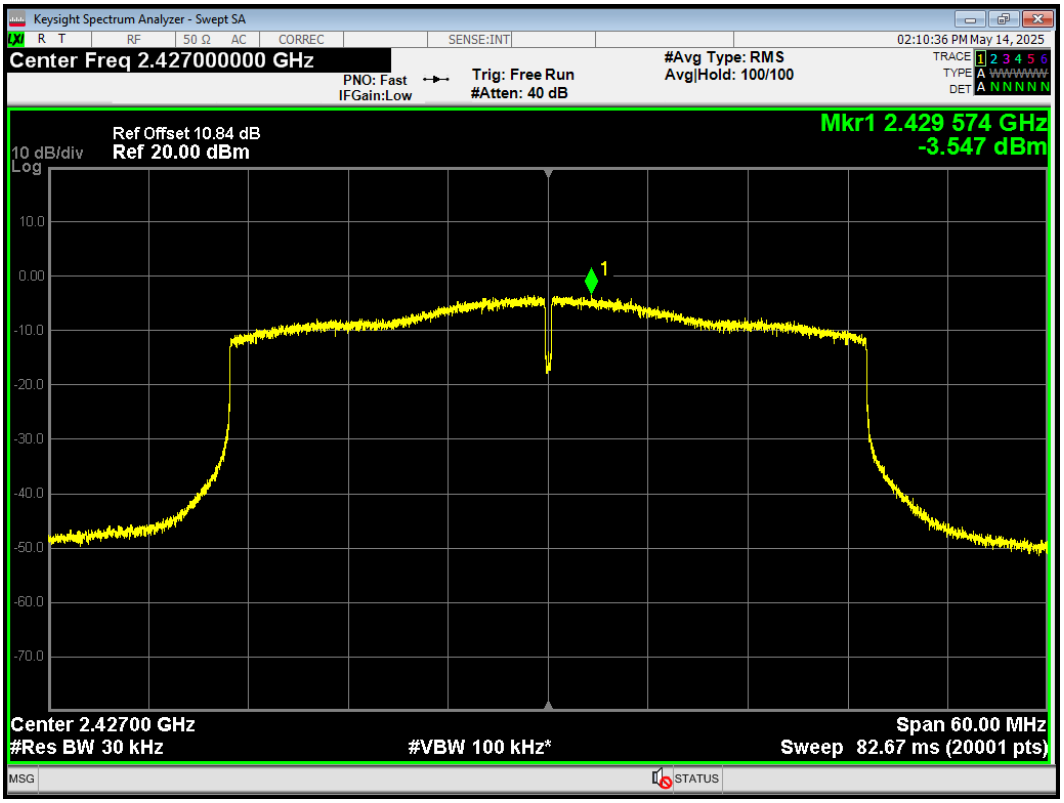
PSD 802.11ax(HE40) 2422MHz Ant1



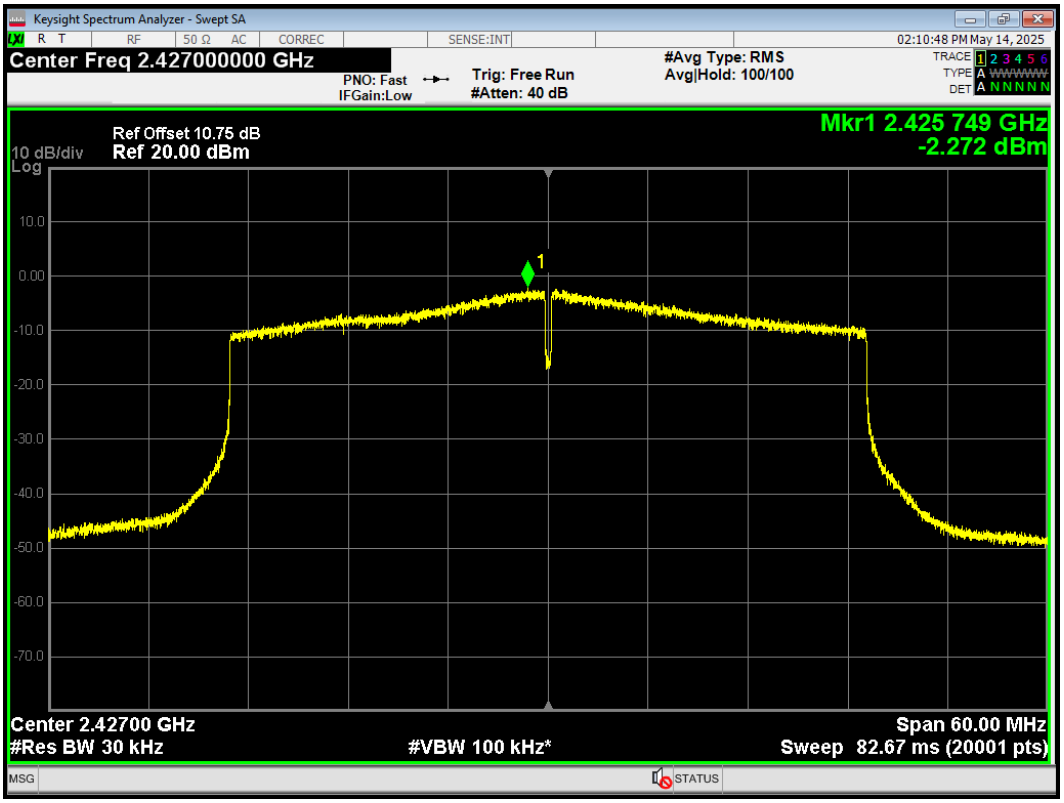
PSD 802.11ax(HE40) 2422MHz Ant2



PSD 802.11ax(HE40) 2427MHz Ant1



PSD 802.11ax(HE40) 2427MHz Ant2



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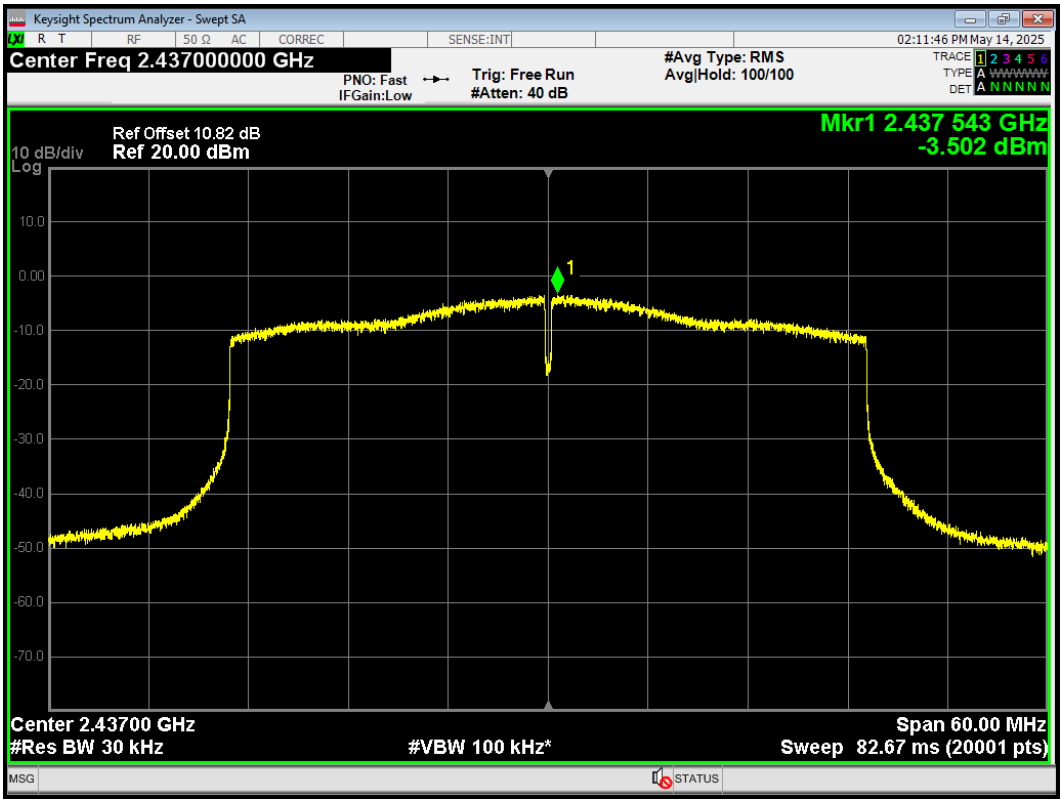

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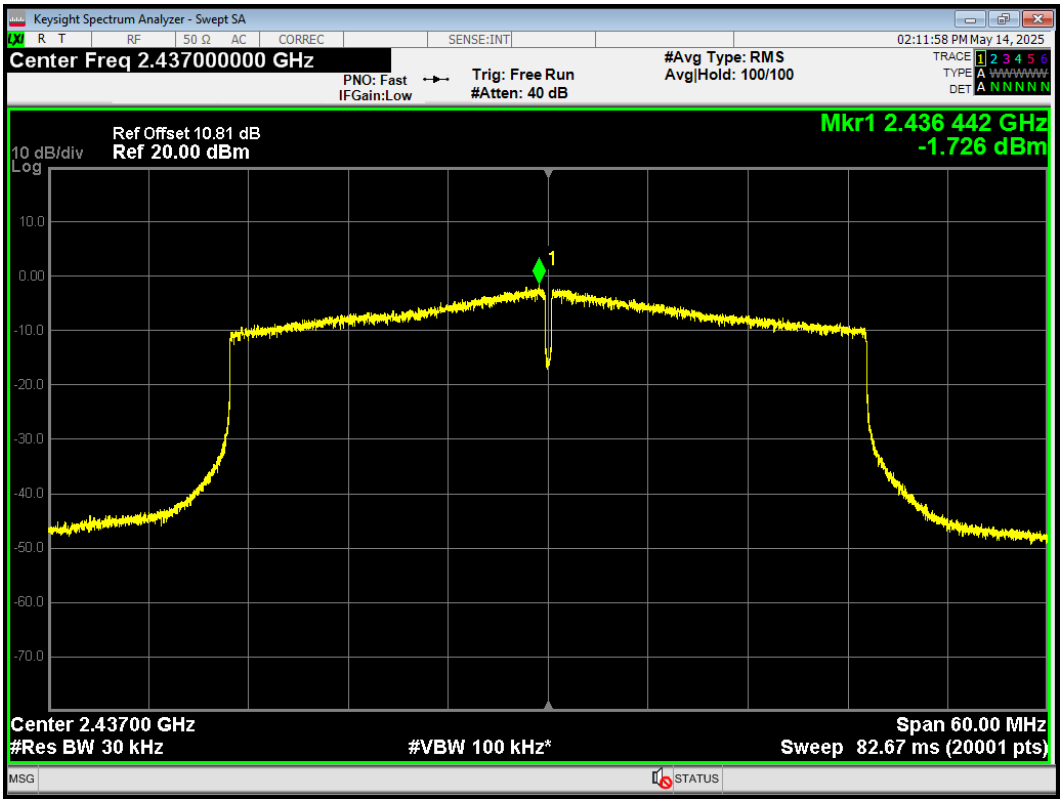
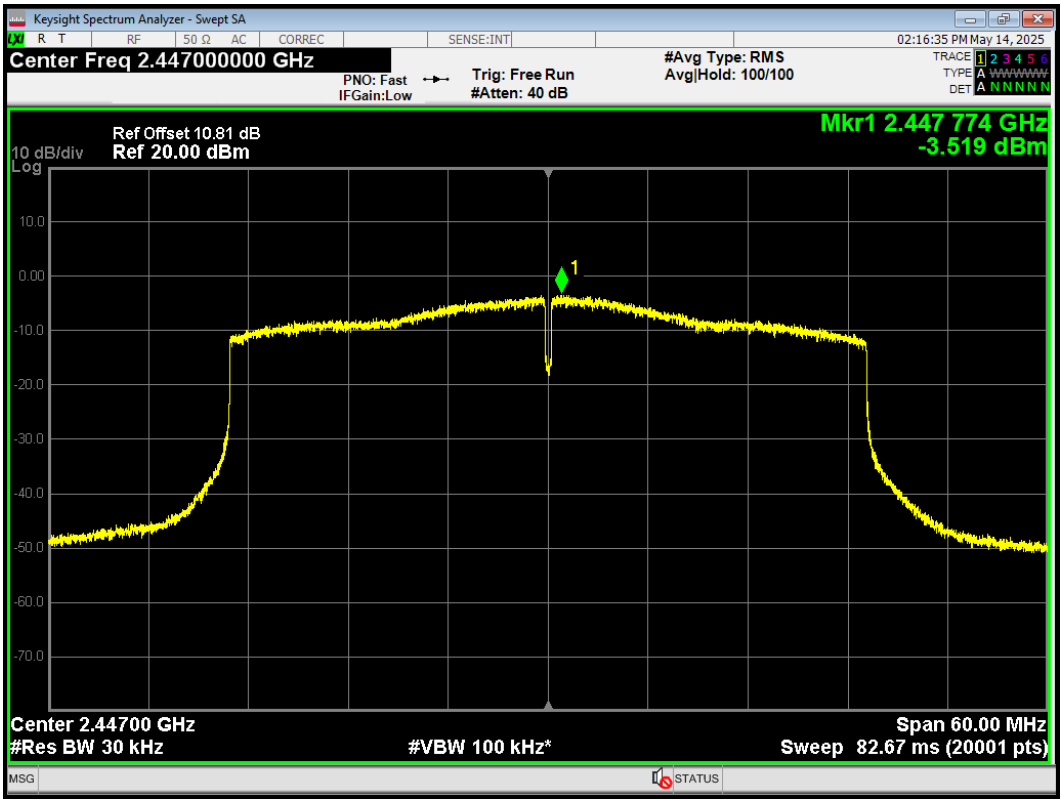
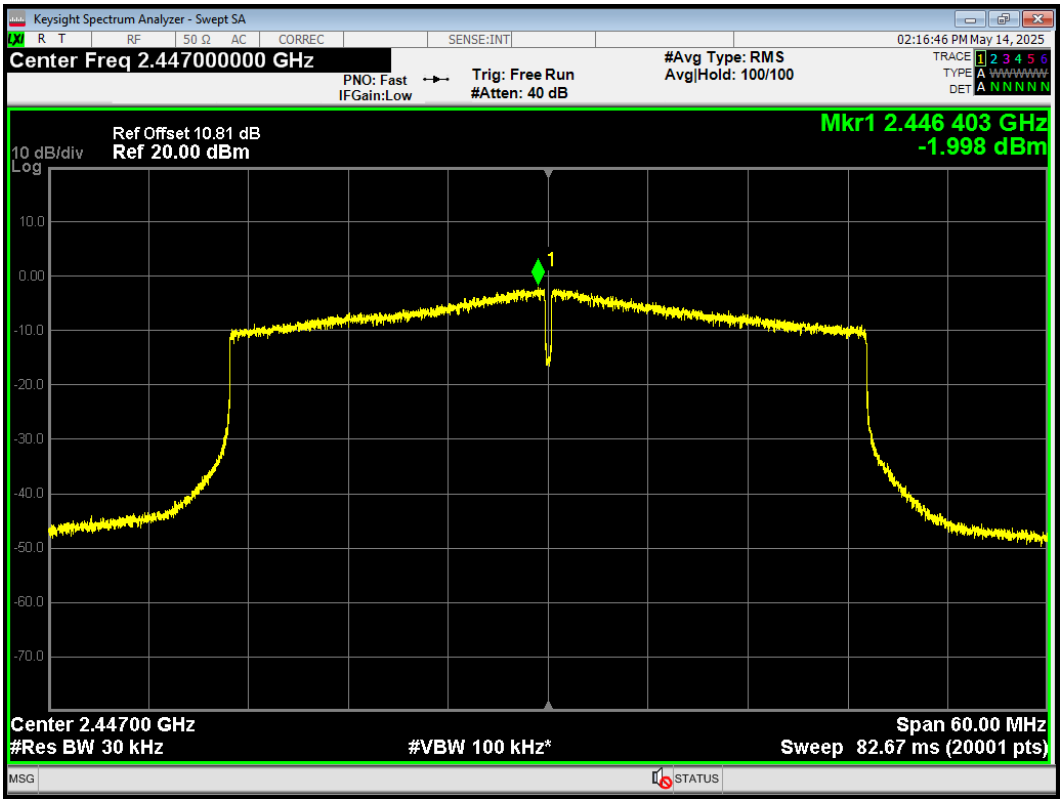


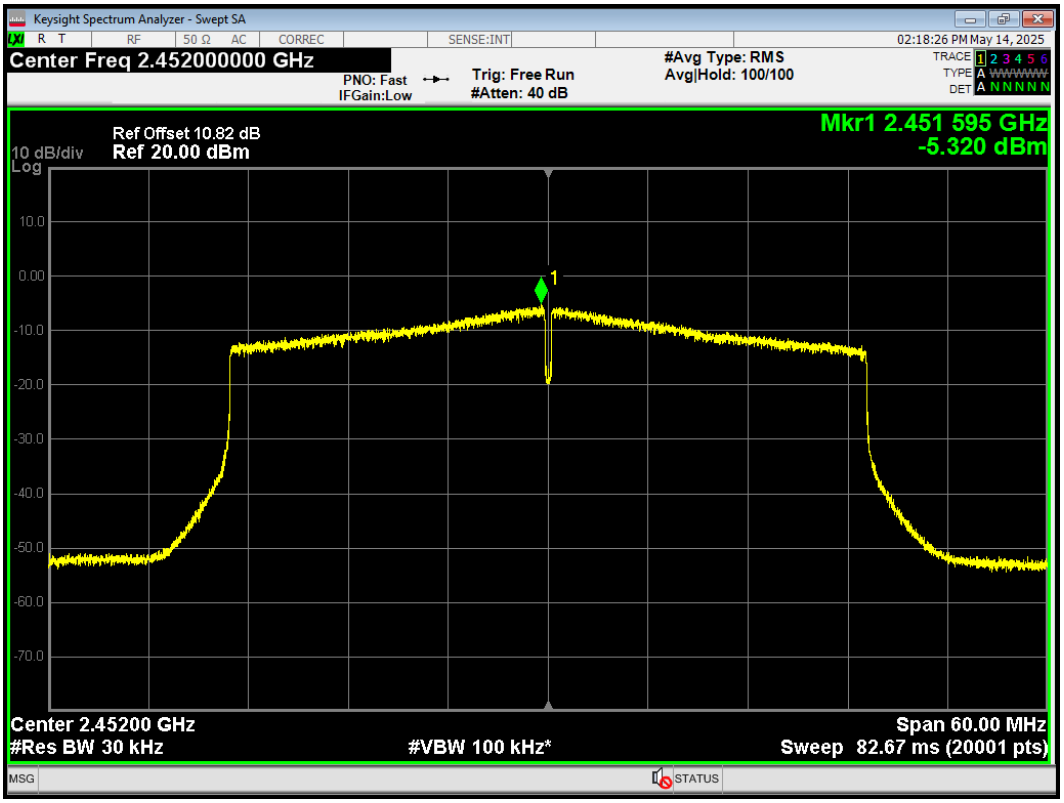
PSD 802.11ax(HE40) 2447MHz Ant1



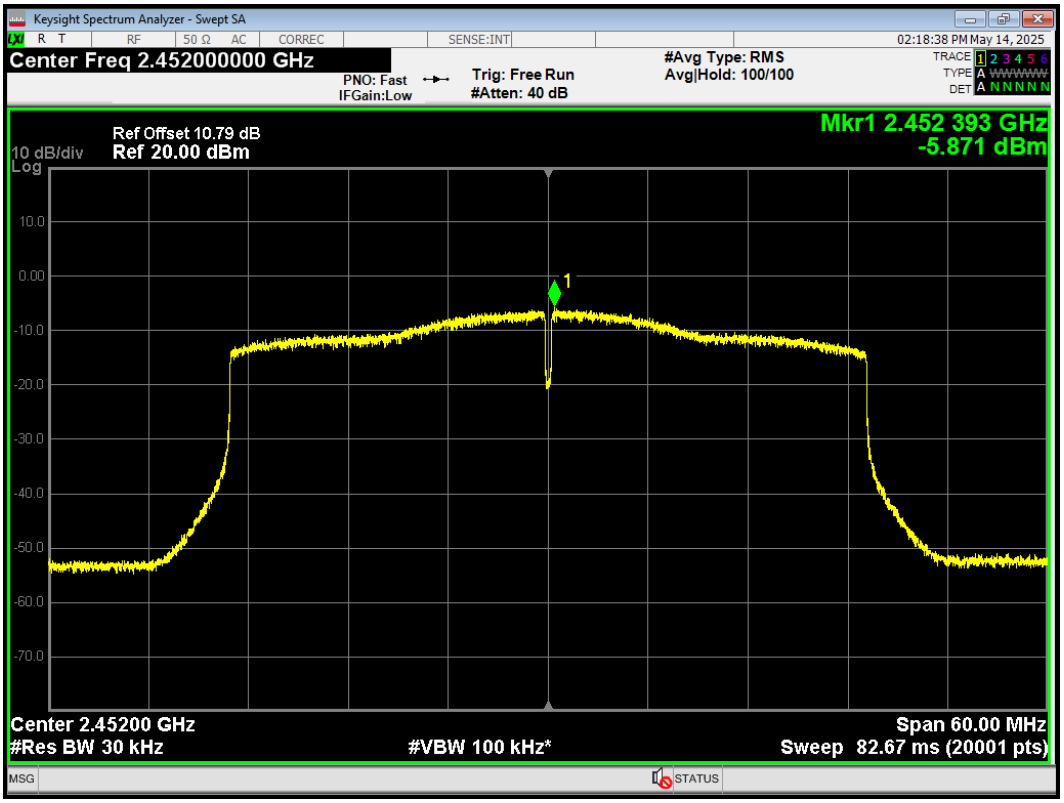
PSD 802.11ax(HE40) 2447MHz Ant2



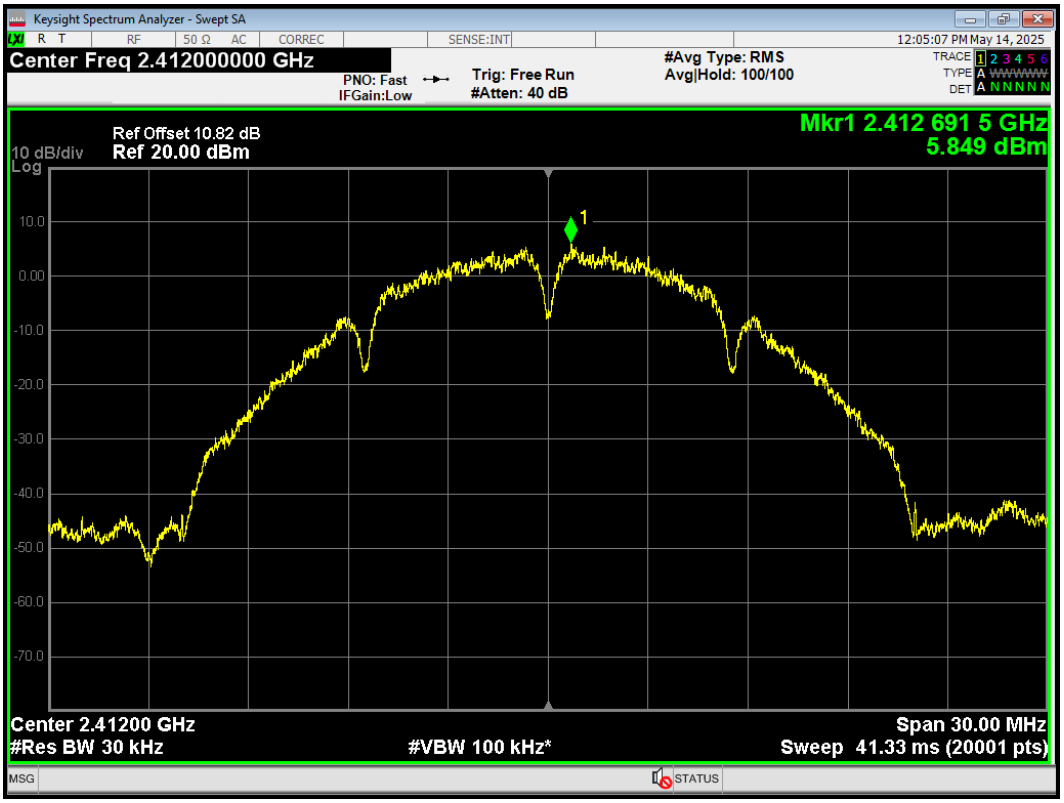
PSD 802.11ax(HE40) 2452MHz Ant1



PSD 802.11ax(HE40) 2452MHz Ant2



PSD 802.11b 2412MHz Ant1



PSD 802.11b 2412MHz Ant2