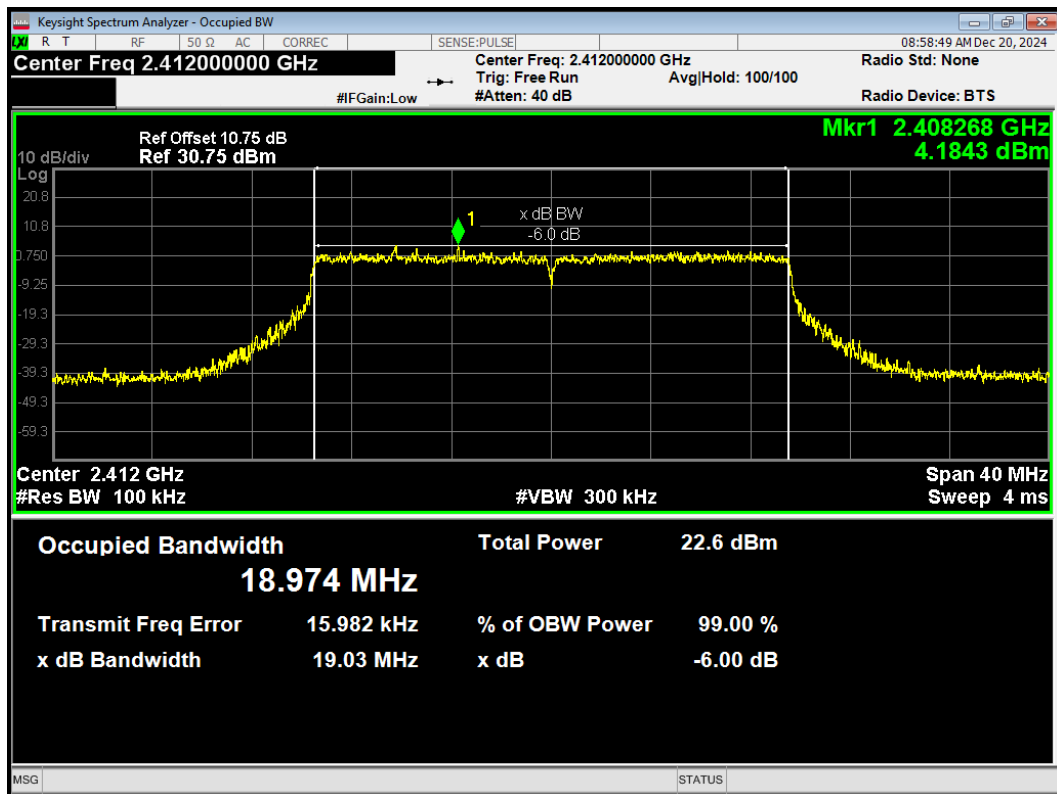
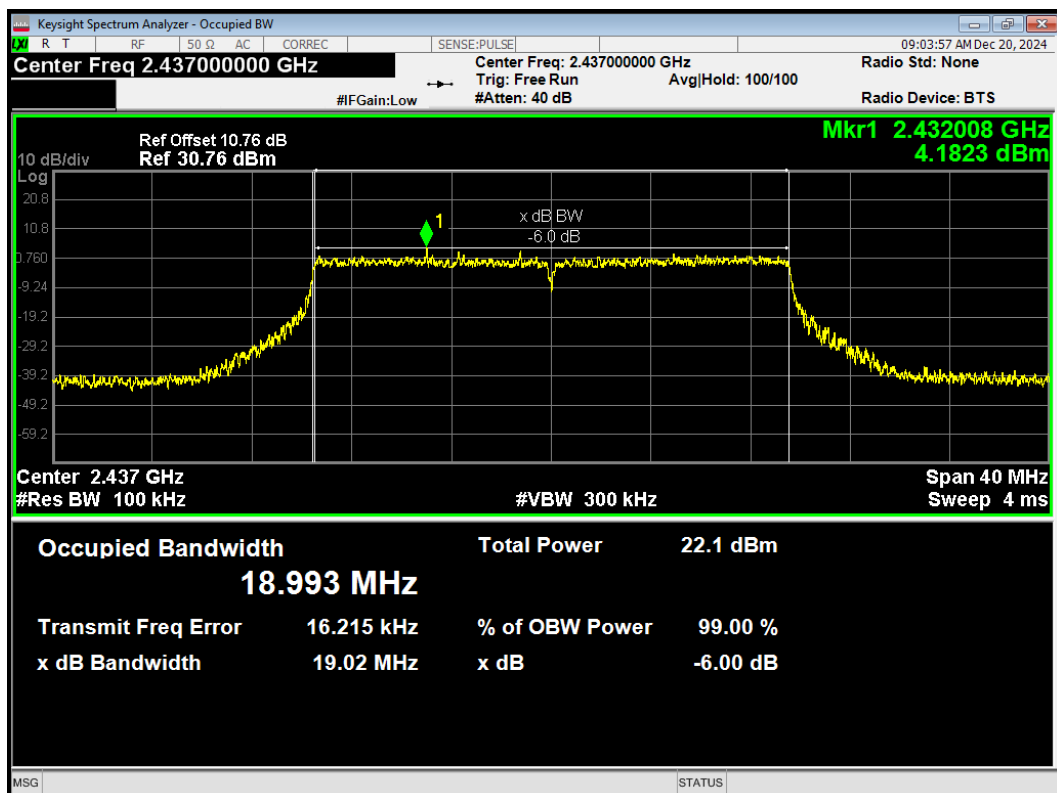


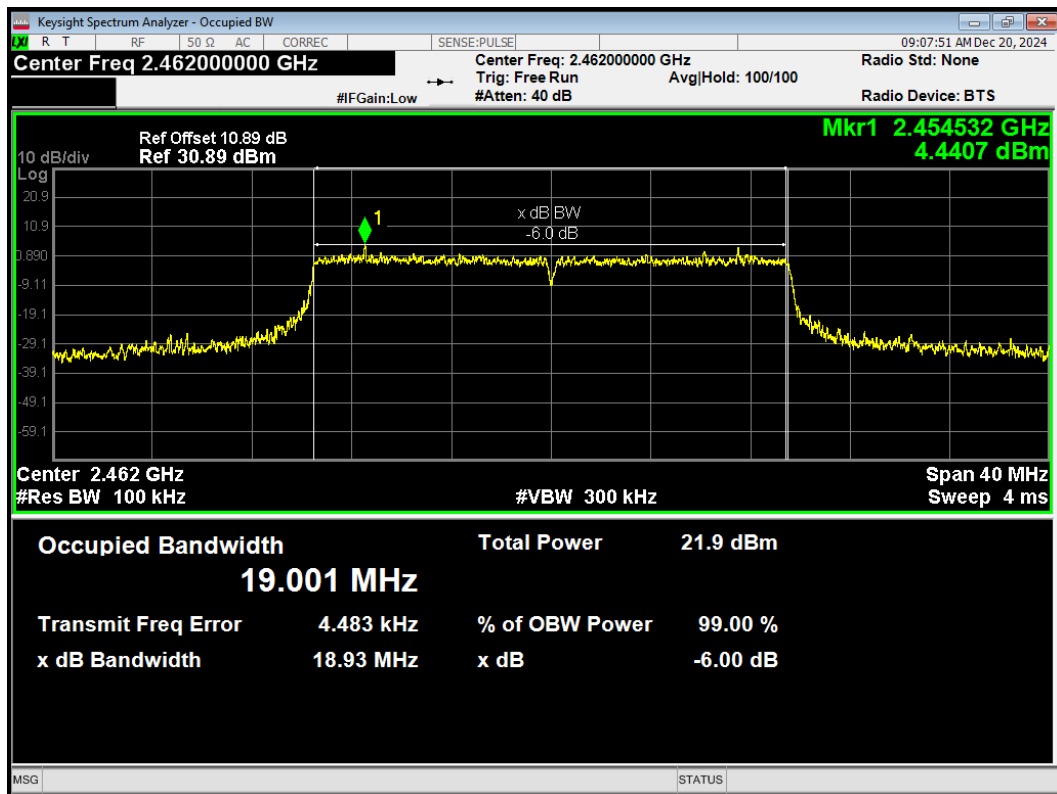
-6dB Bandwidth 802.11be(20) 242-Tones Index61 2412MHz



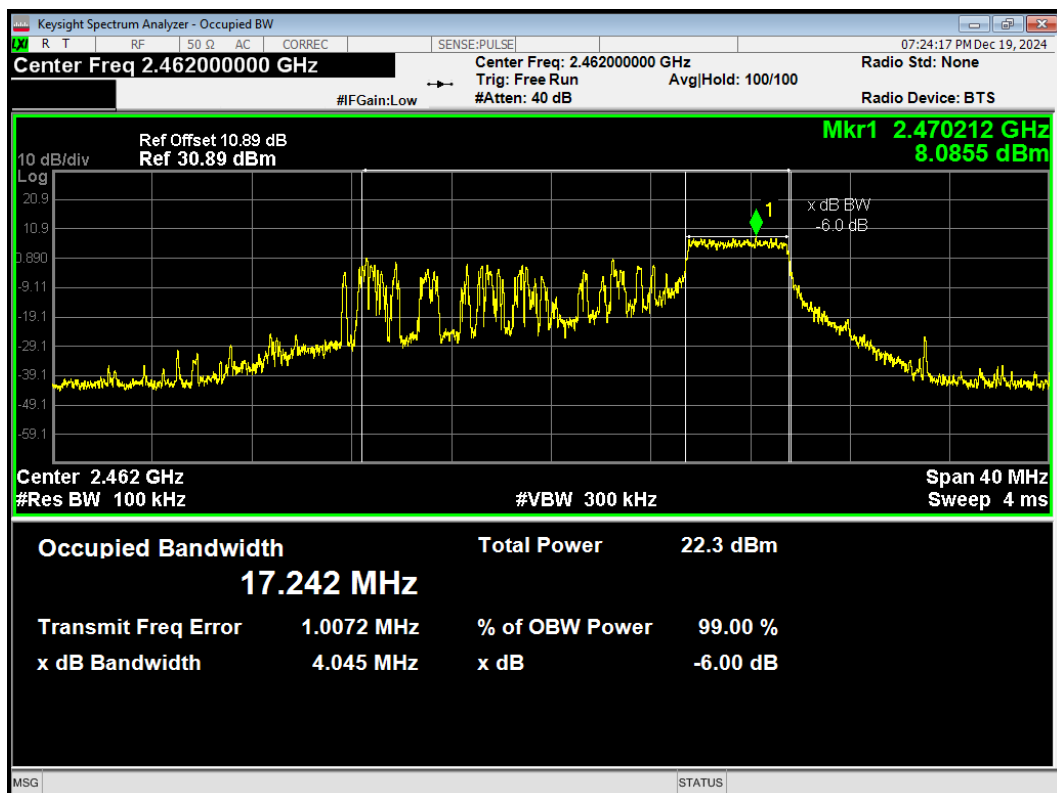
-6dB Bandwidth 802.11be(20) 242-Tones Index61 2437MHz



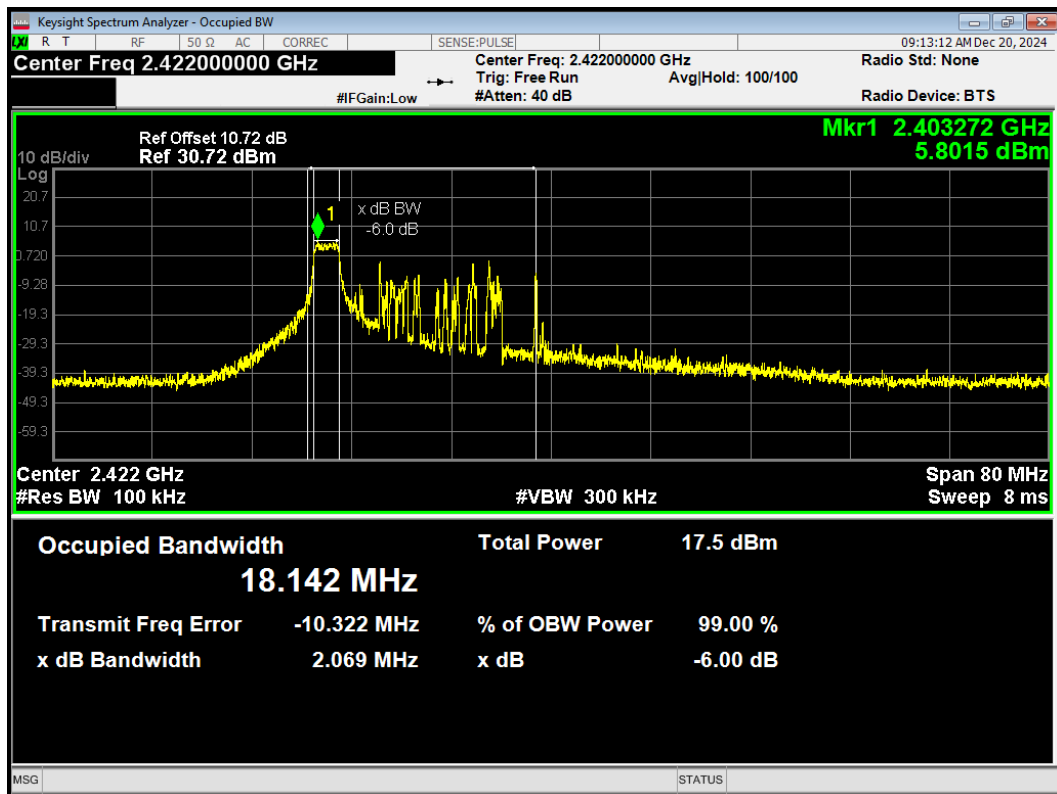
-6dB Bandwidth 802.11be(20) 242-Tones Index61 2462MHz



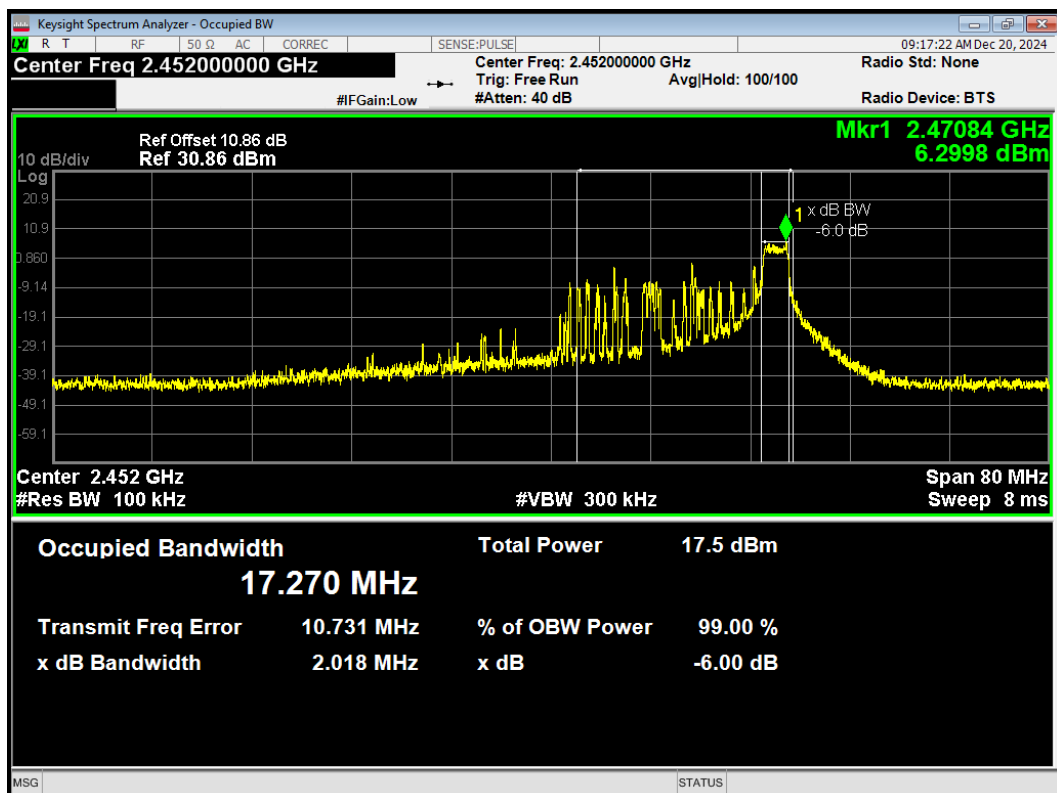
-6dB Bandwidth 802.11be(20) 52-Tones Index40 2462MHz



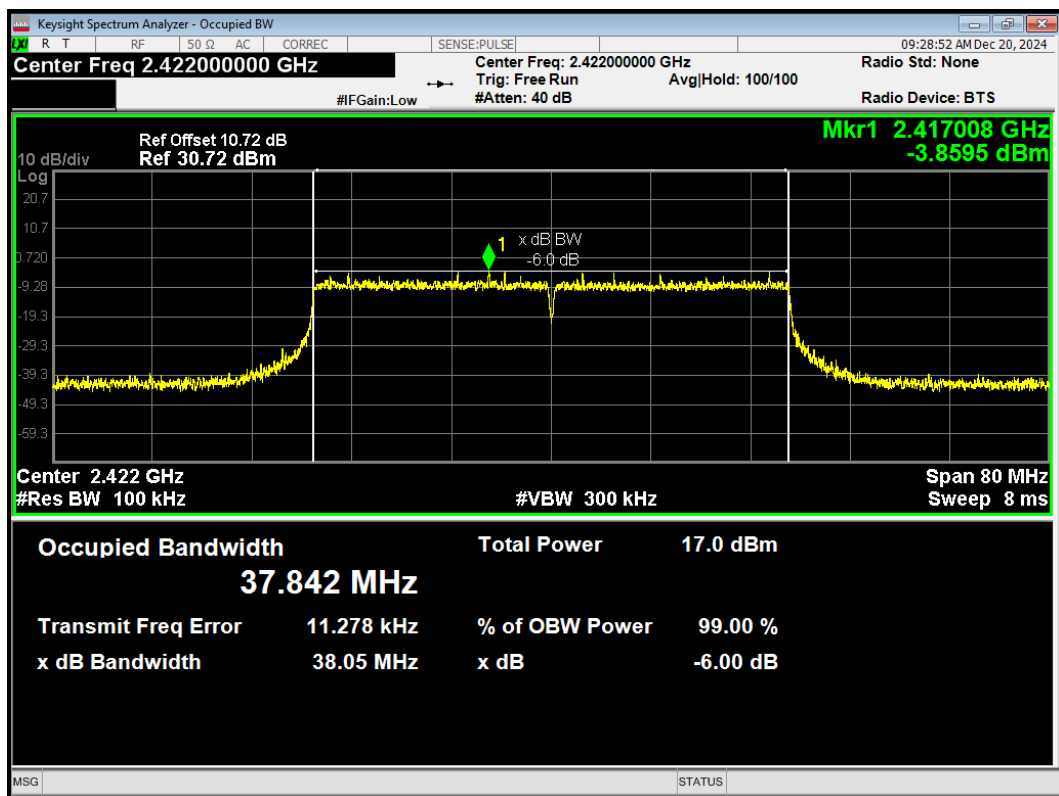
-6dB Bandwidth 802.11be(40) 26-Tones Index0 2422MHz



-6dB Bandwidth 802.11be(40) 26-Tones Index17 2452MHz



-6dB Bandwidth 802.11be(40) 484-Tones Index65 2422MHz



5.3. Band Edge

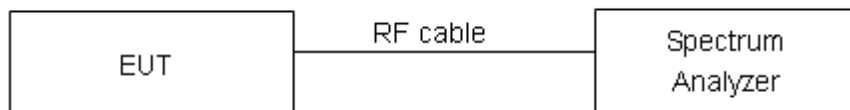
Ambient Condition

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

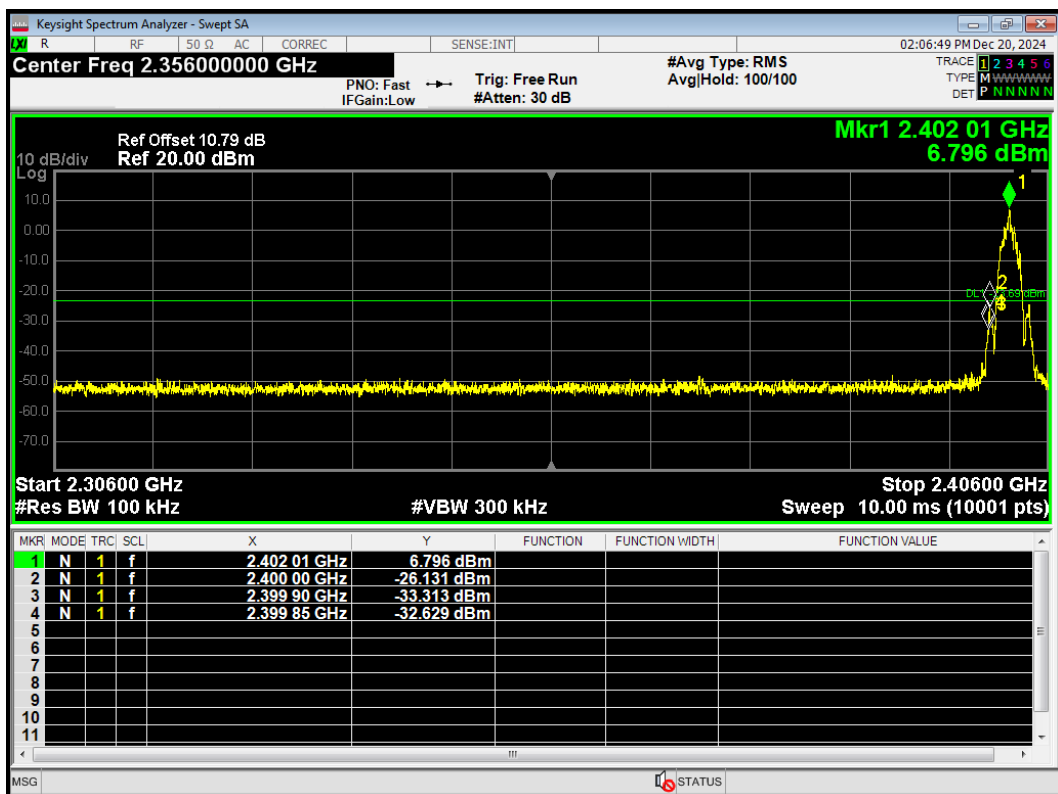
Test Results: PASS

nRF 2.4GHz

Band Edge nRF 2.4GHz 2402MHz Ref



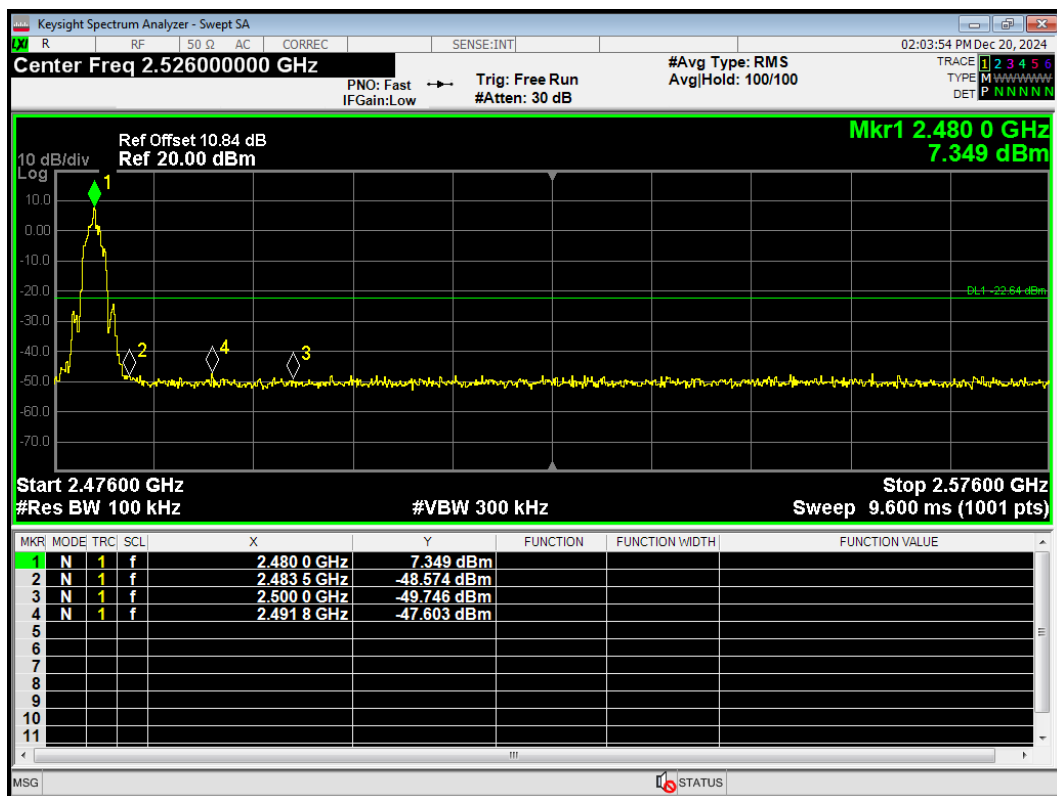
Band Edge nRF 2.4GHz 2402MHz Emission



Band Edge nRF 2.4GHz 2480MHz Ref

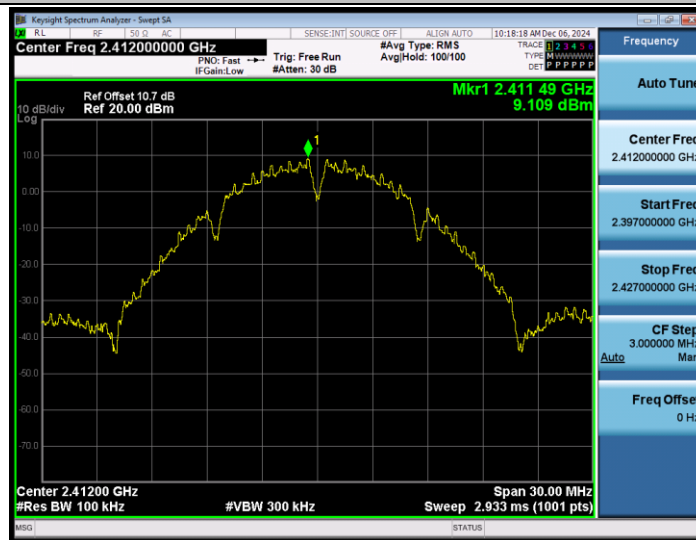


Band Edge nRF 2.4GHz 2480MHz Emission



Wi-Fi 2.4G

802.11b_2412



802.11b_2462



802.11g_2412



802.11g_2462



802.11n HT20 SISO_2412



802.11n HT20 SISO_2462



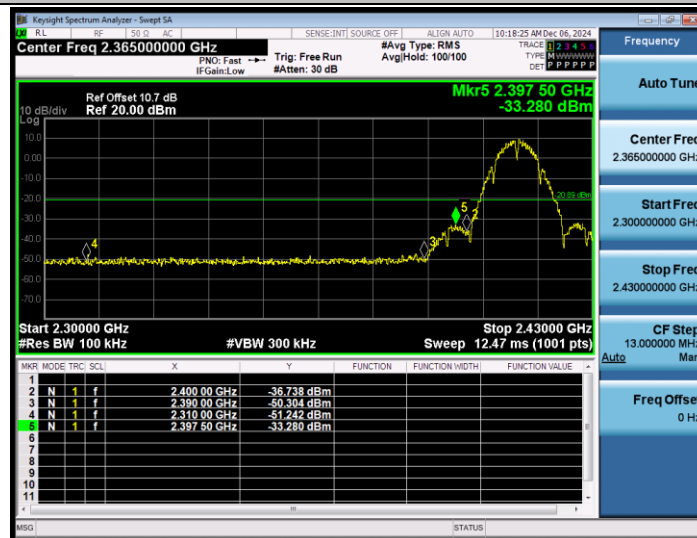
802.11n HT40 SISO_2422



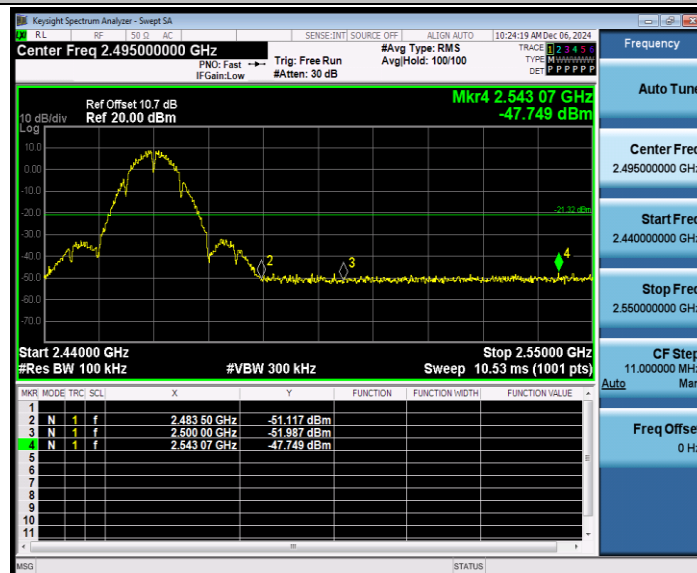
802.11n HT40 SISO_2452



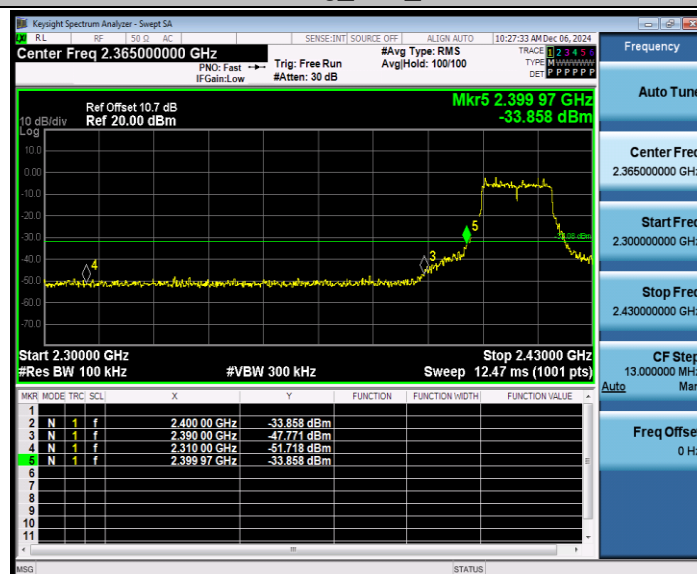
802.11b_Low_2412



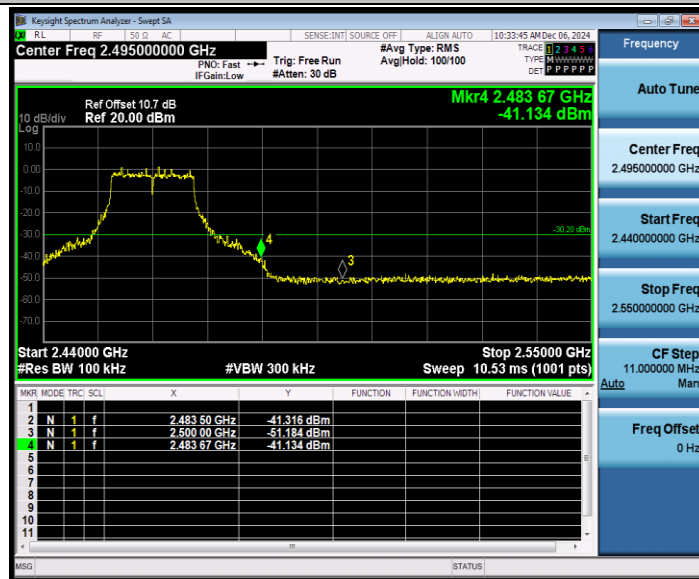
802.11b_High_2462



802.11g_Low_2412



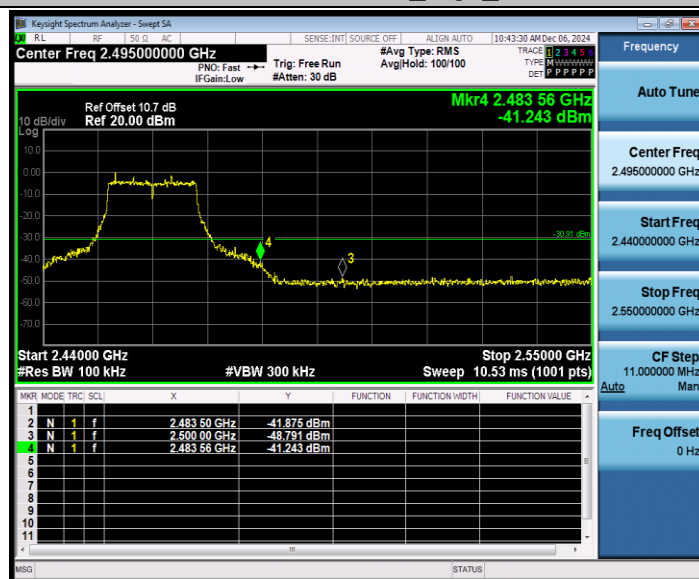
802.11g_High_2462



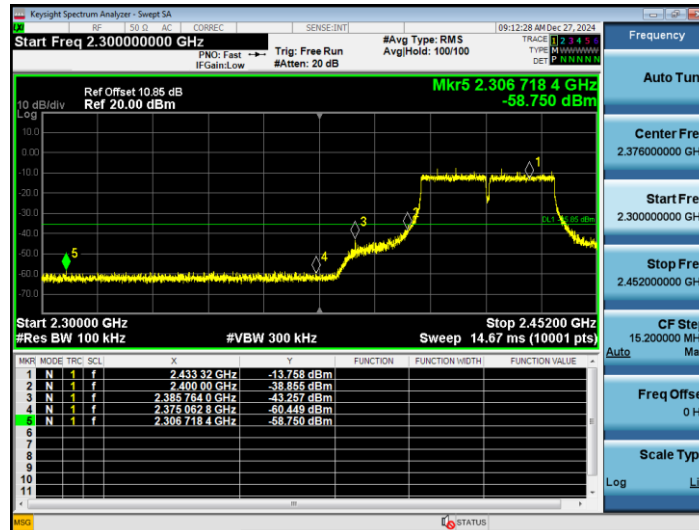
802.11n HT20 SISO_Low_2412



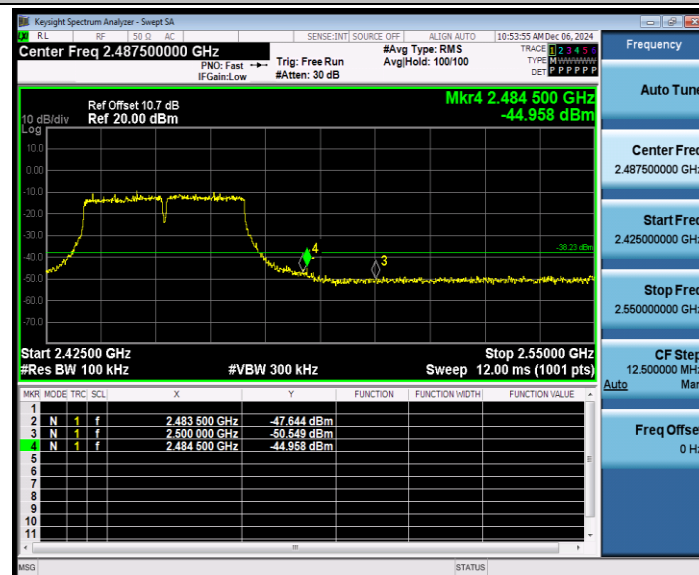
802.11n HT20 SISO_High_2462



802.11n HT40 SISO_Low_2422



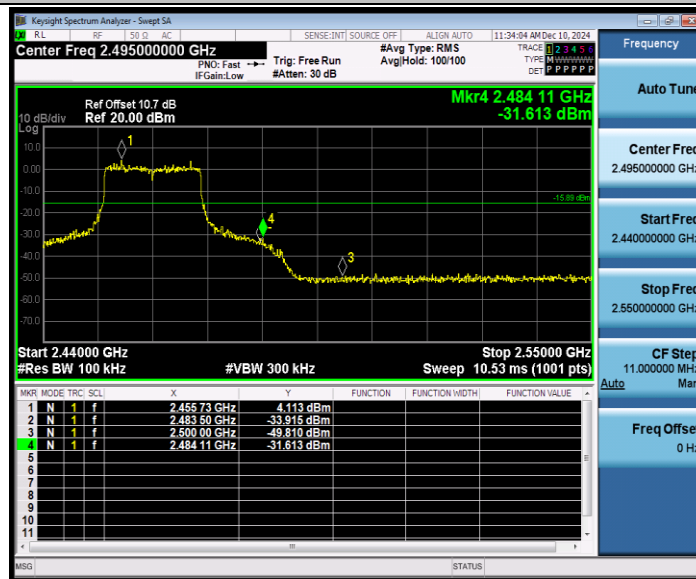
802.11n HT40 SISO_High_2452



802.11ax HE20 SISO_Low_2412



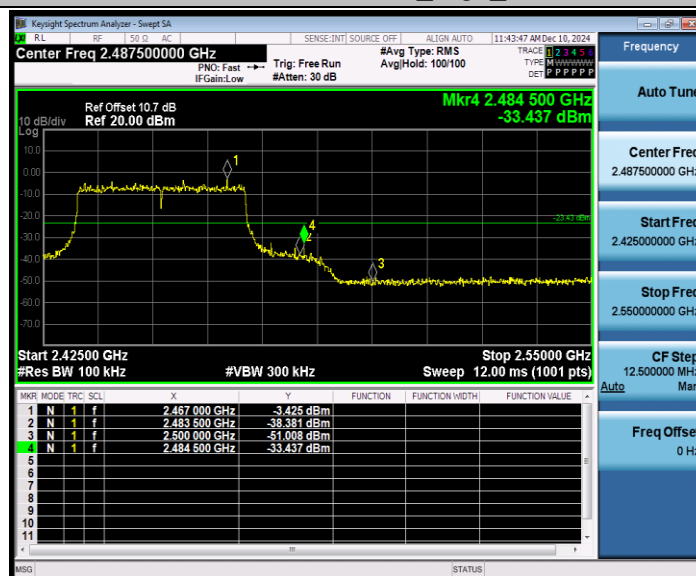
802.11ax HE20 SISO_High_2462



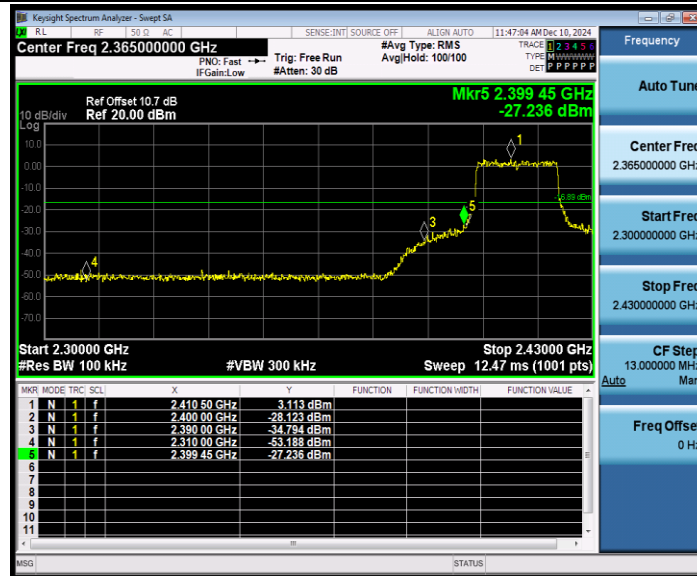
802.11ax HE40 SISO_Low_2422



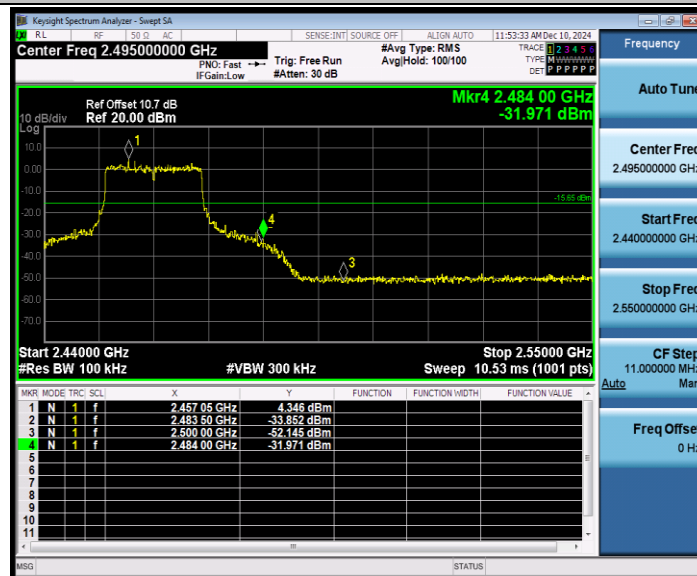
802.11ax HE40 SISO_High_2452



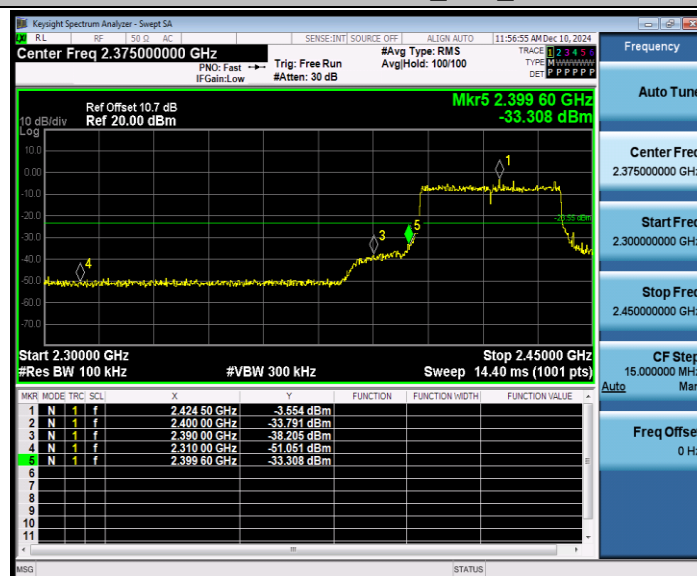
802.11be EHT20 SISO_Low_2412



802.11be EHT20 SISO_High_2462



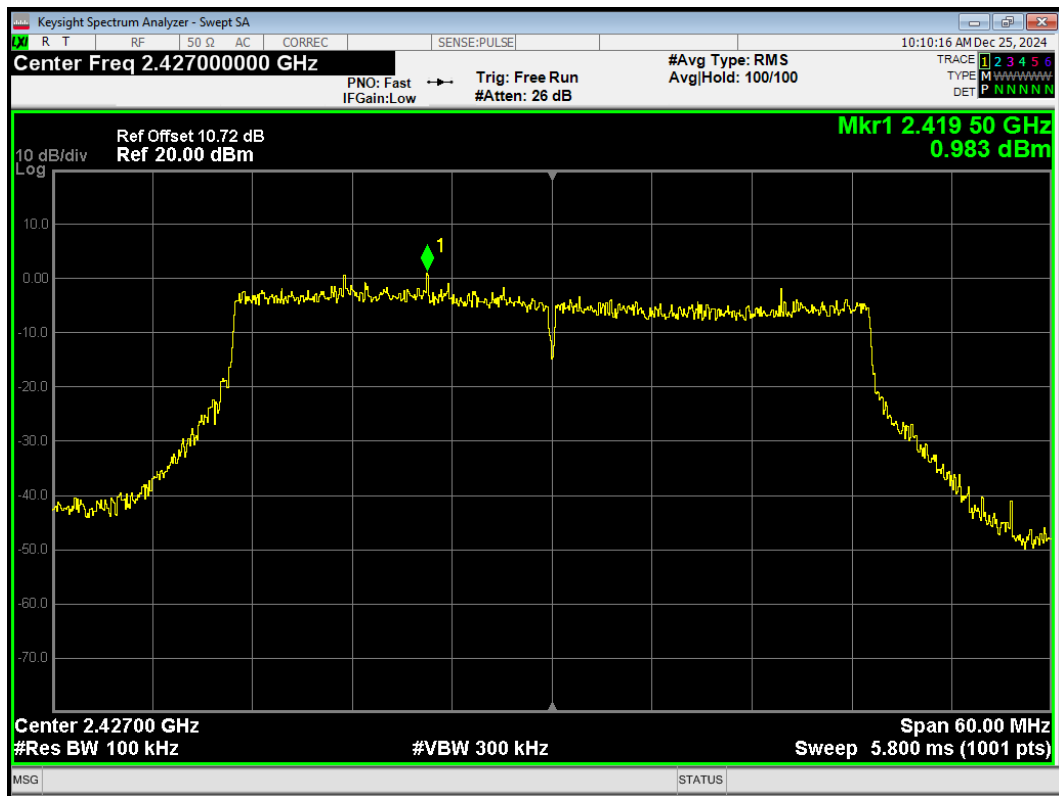
802.11be EHT40 SISO_Low_2422



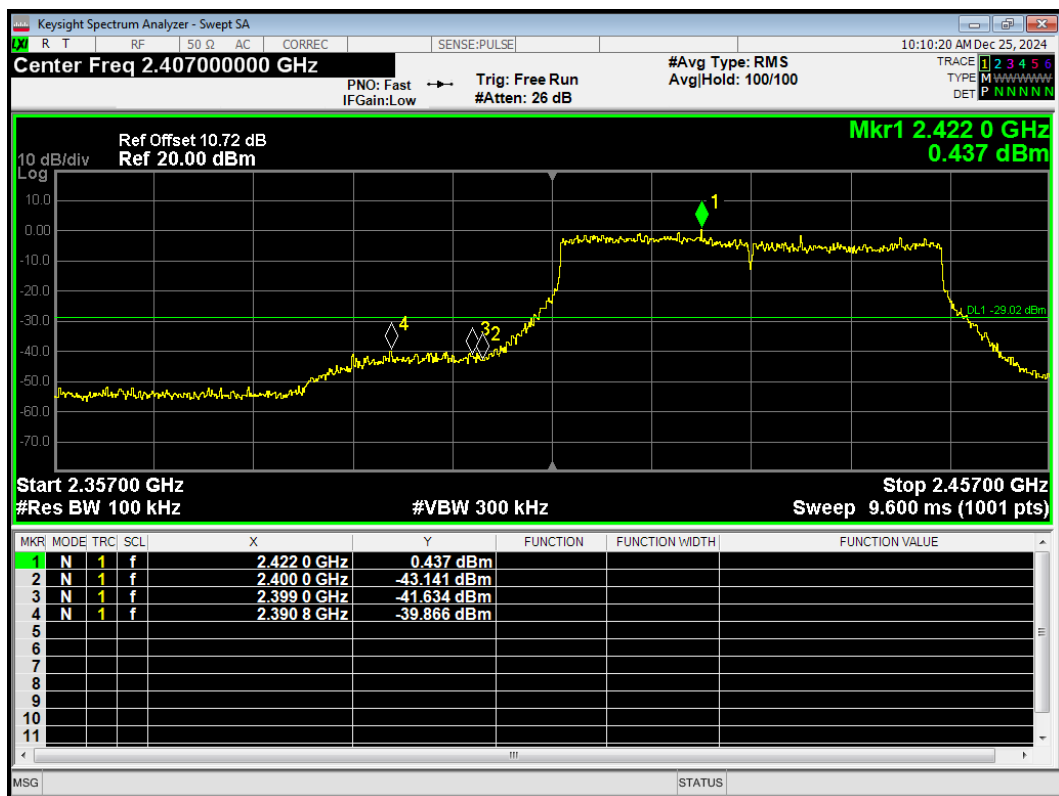
802.11be EHT40 SISO_High_2452



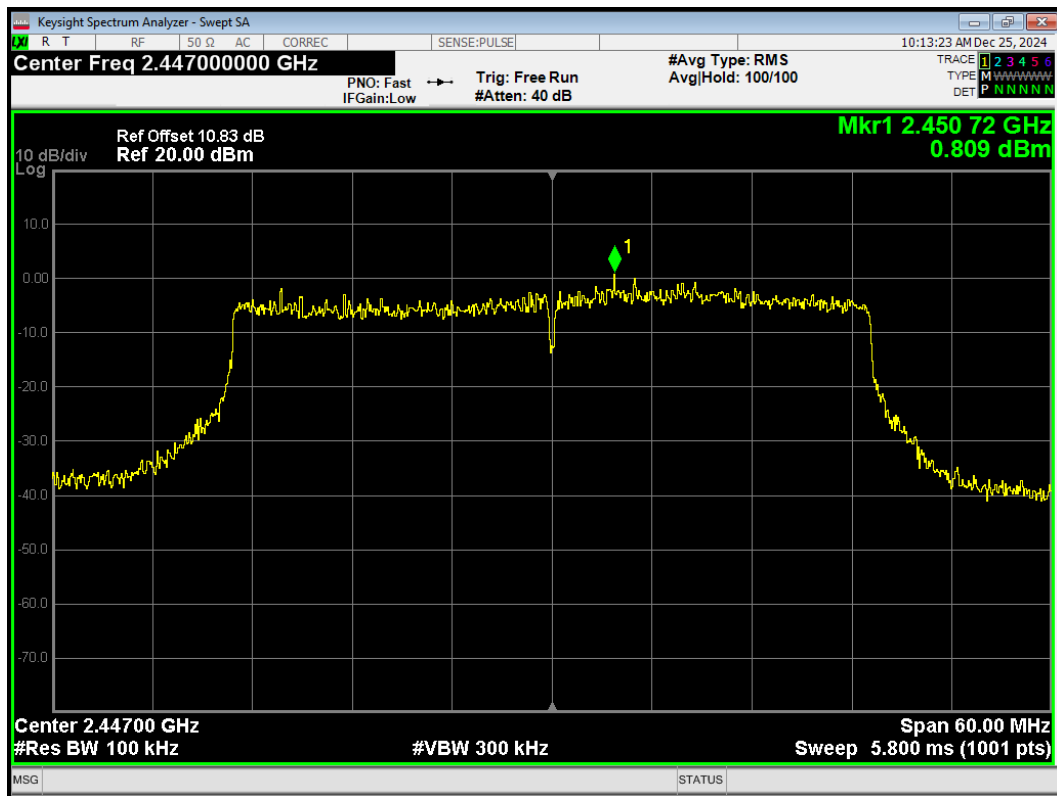
Band Edge 802.11ax(HE40) 2427MHz Ref



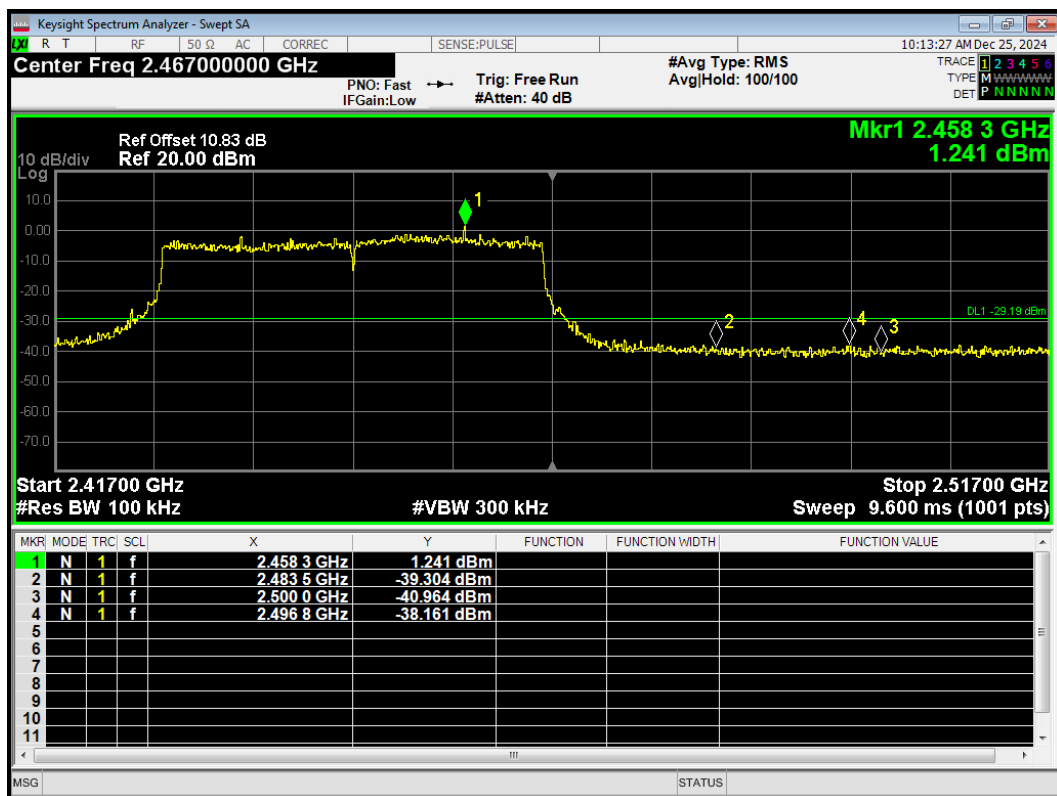
Band Edge 802.11ax(HE40) 2427MHz Emission



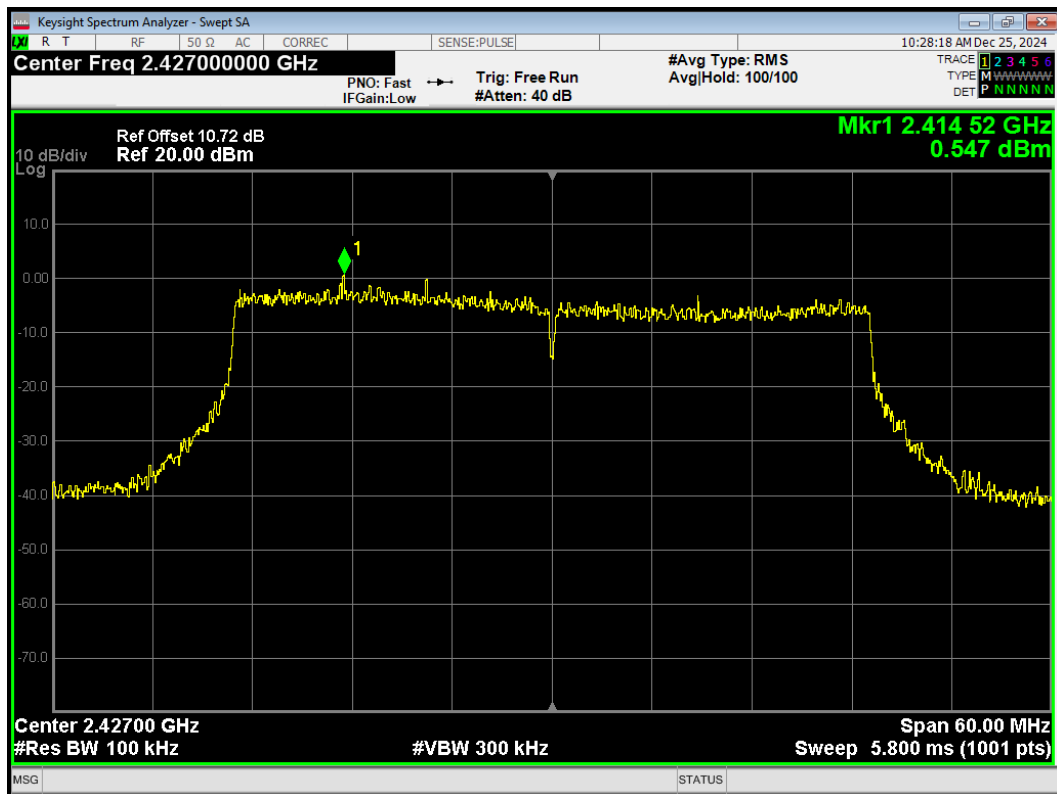
Band Edge 802.11ax(HE40) 2447MHz Ref



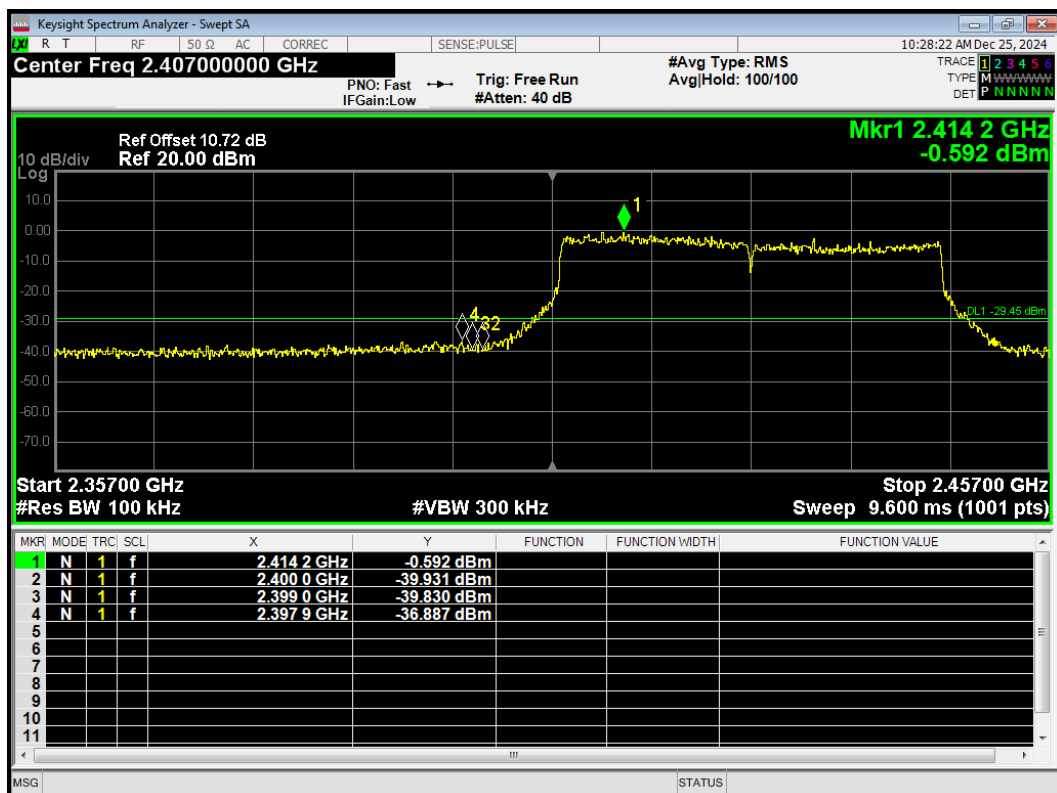
Band Edge 802.11ax(HE40) 2447MHz Emission



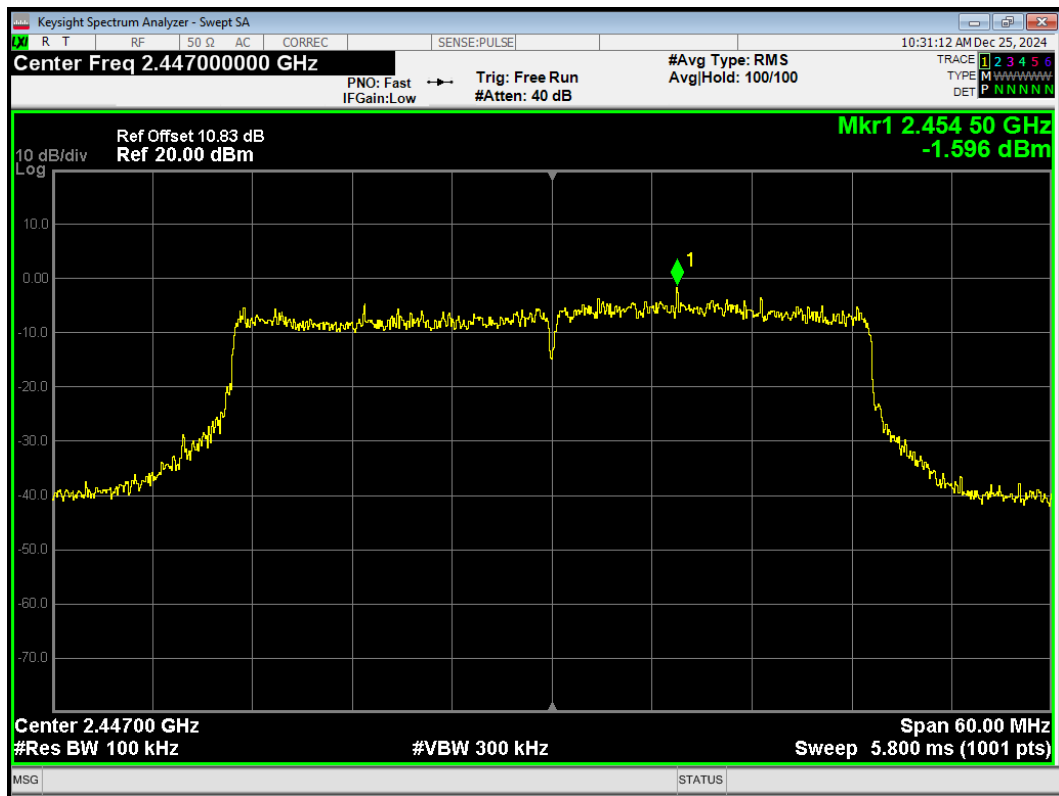
Band Edge 802.11be(40) 2427MHz Ref



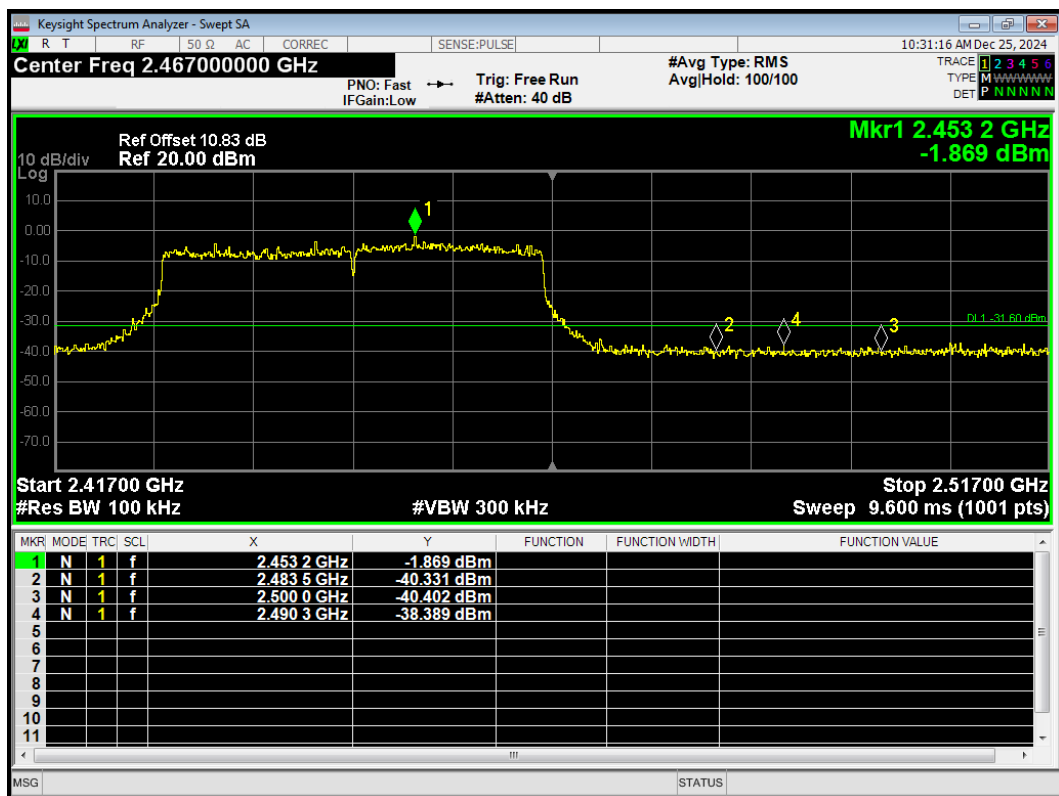
Band Edge 802.11be(40) 2427MHz Emission



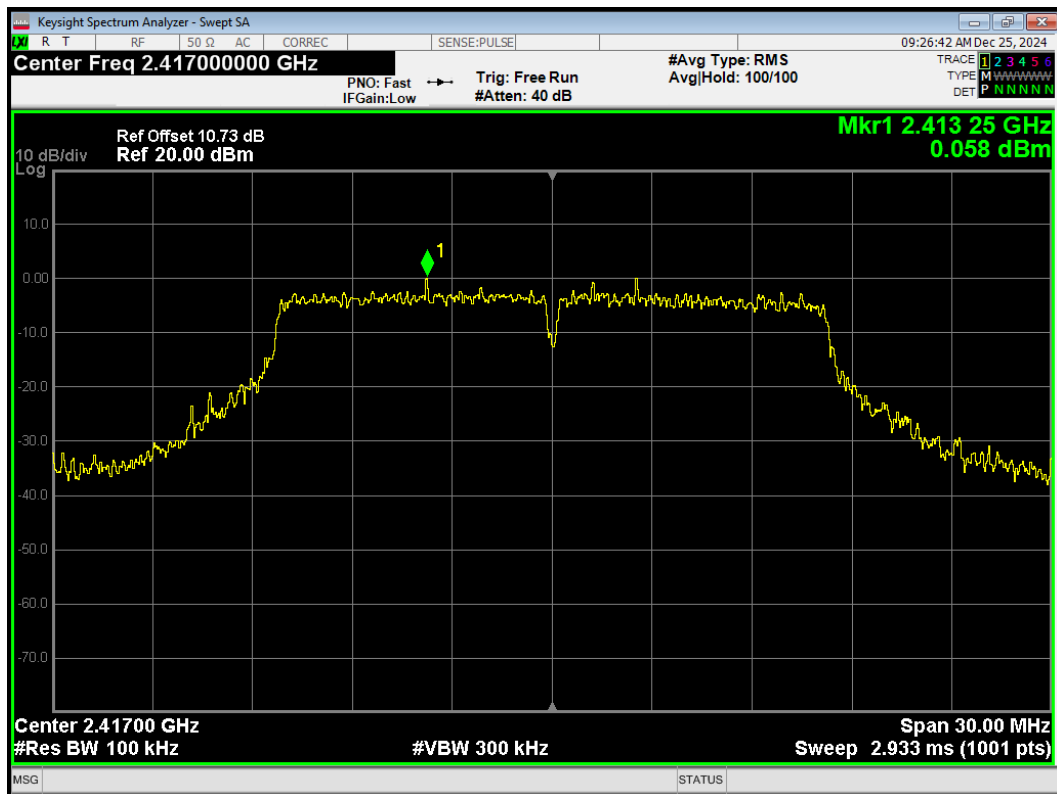
Band Edge 802.11be(40) 2447MHz Ref



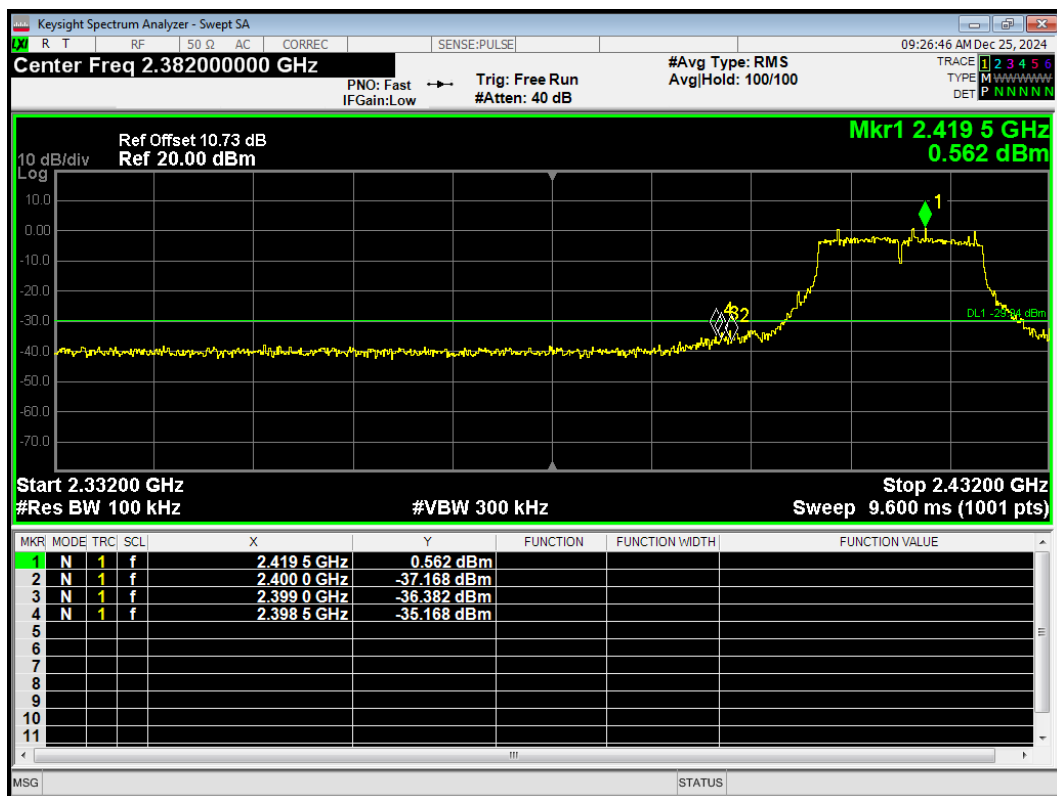
Band Edge 802.11be(40) 2447MHz Emission



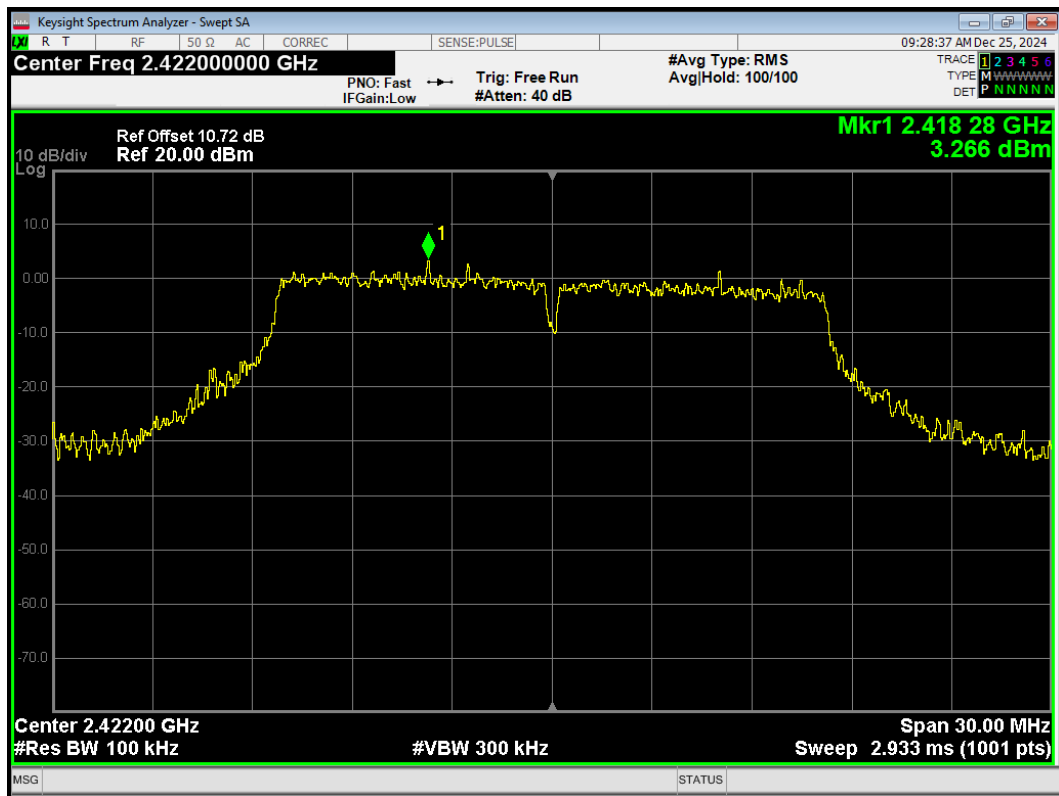
Band Edge 802.11g 2417MHz Ref



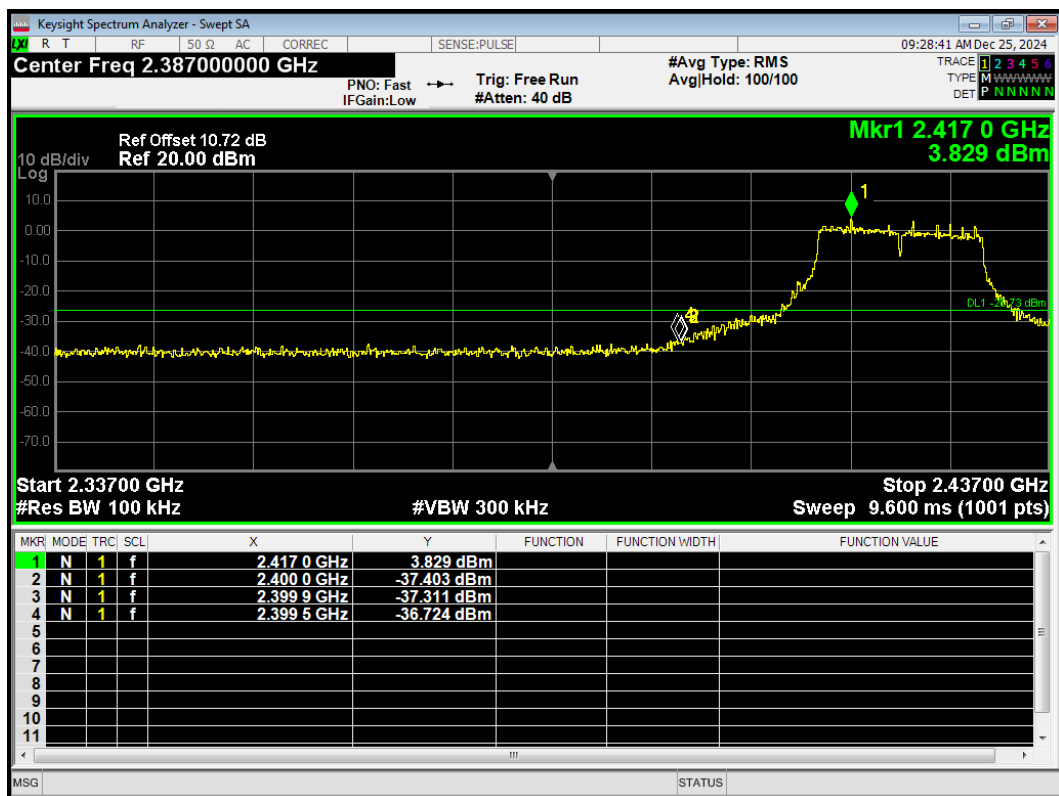
Band Edge 802.11g 2417MHz Emission



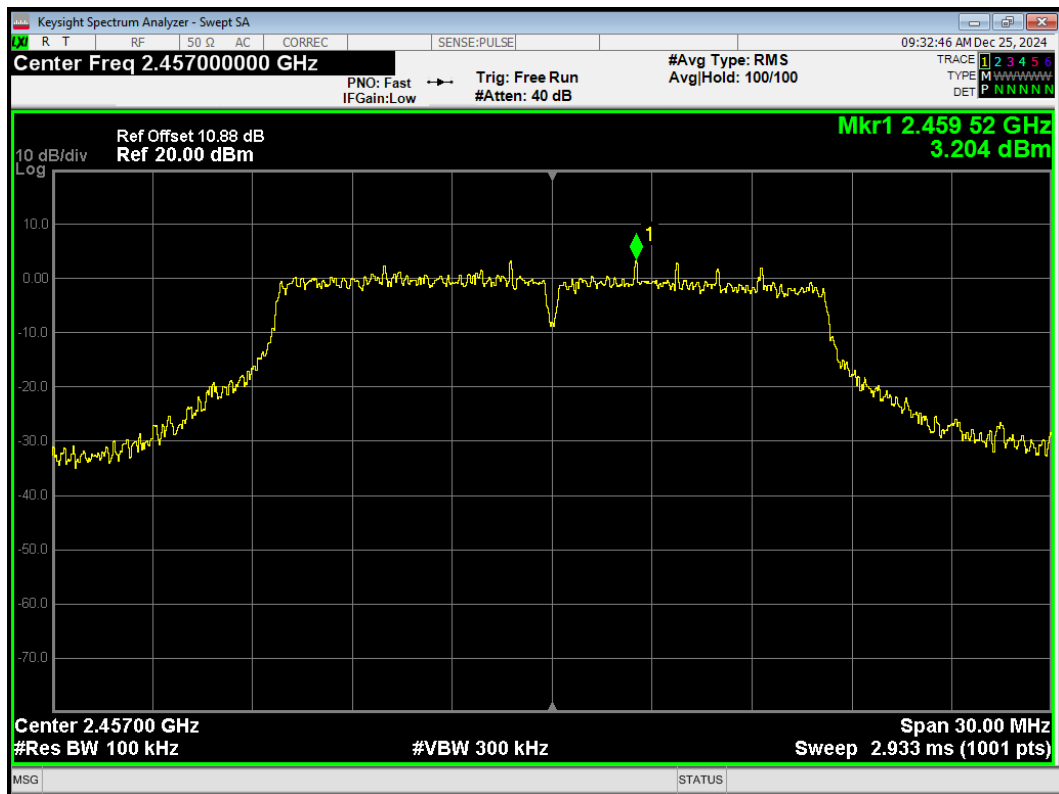
Band Edge 802.11g 2422MHz Ref



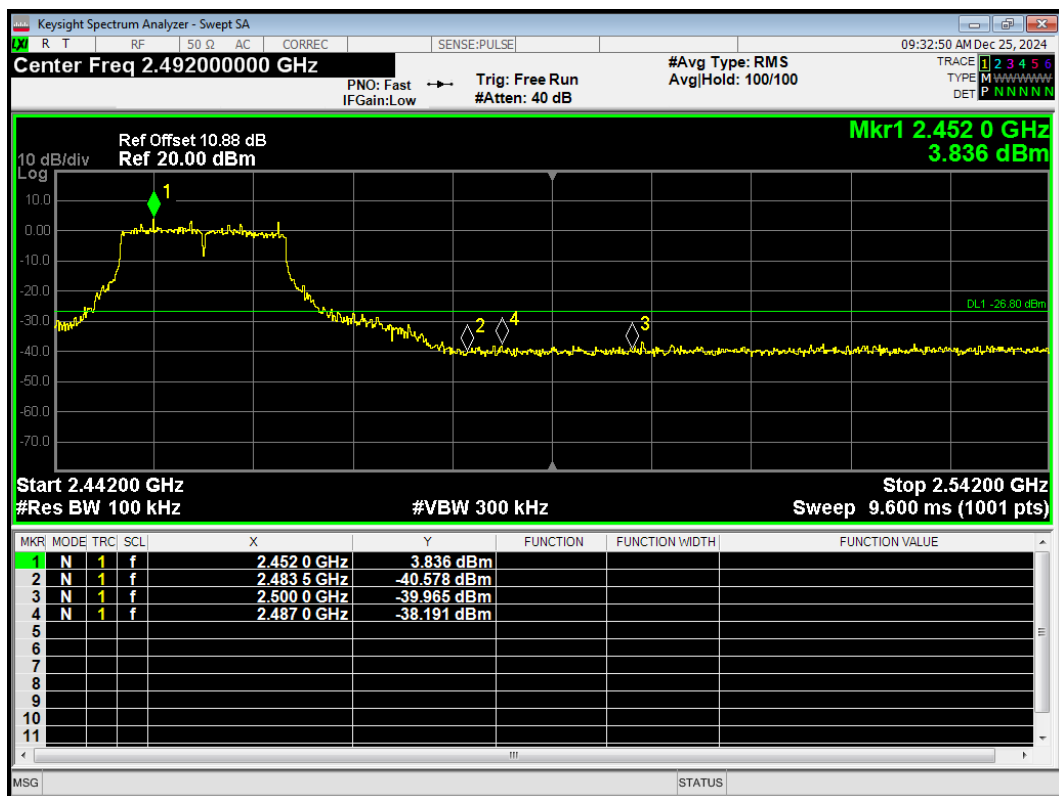
Band Edge 802.11g 2422MHz Emission



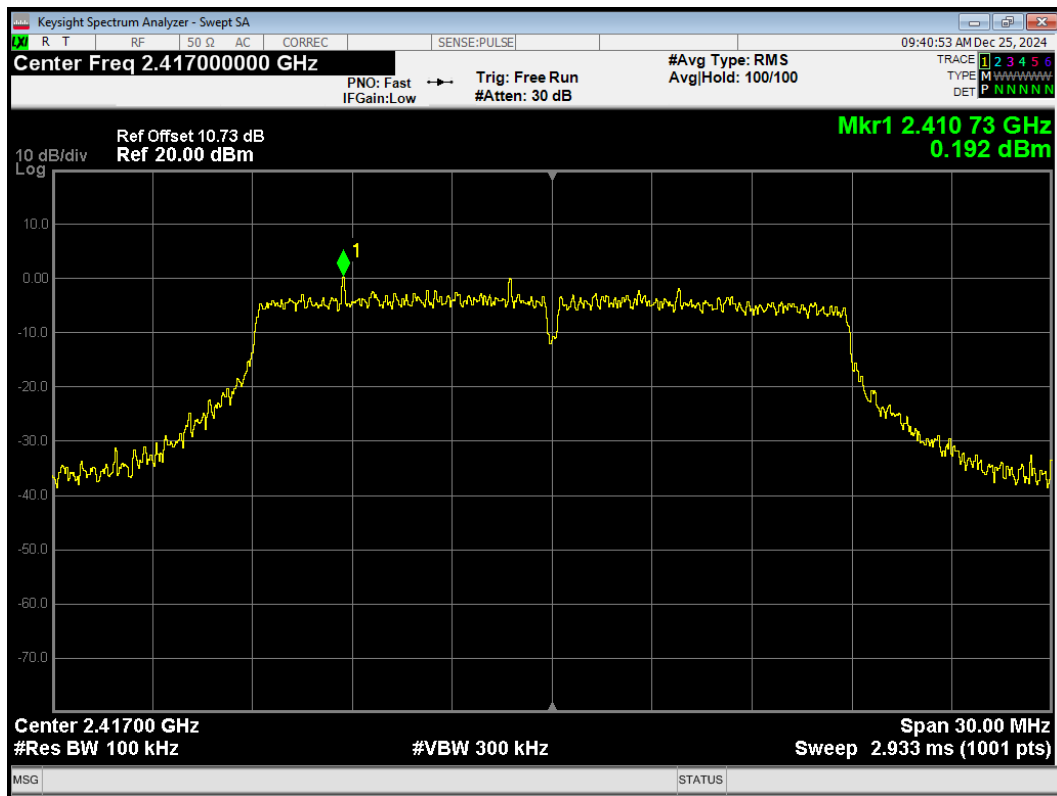
Band Edge 802.11g 2457MHz Ref



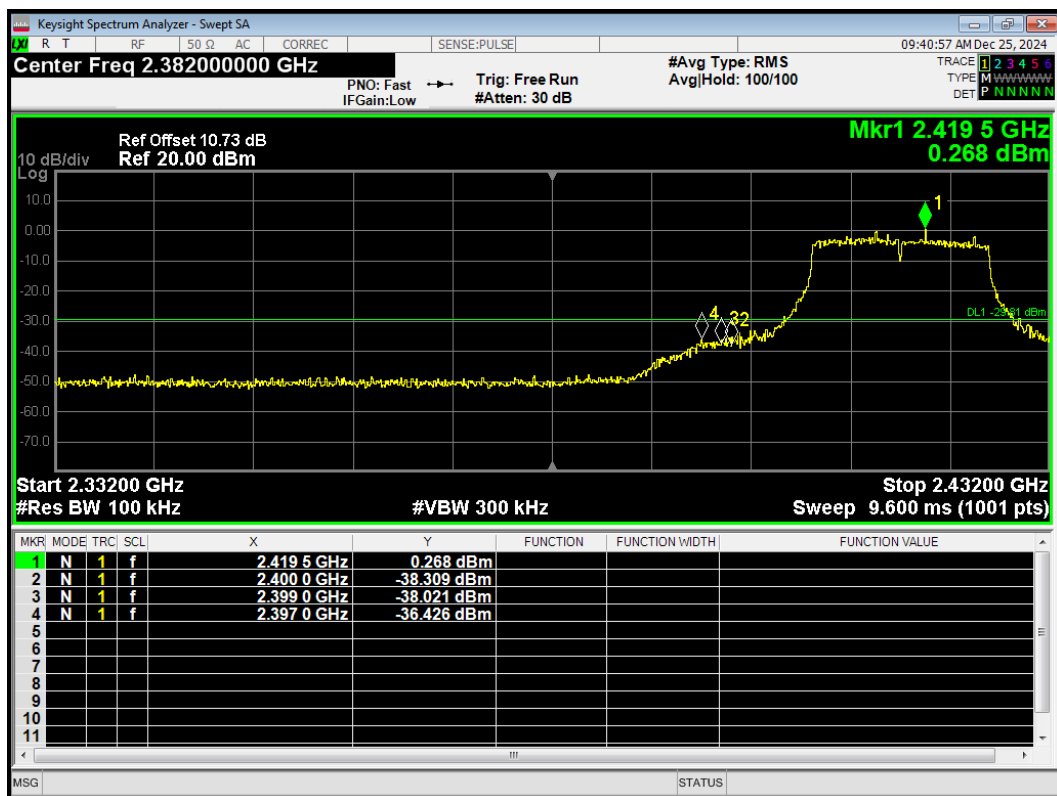
Band Edge 802.11g 2457MHz Emission



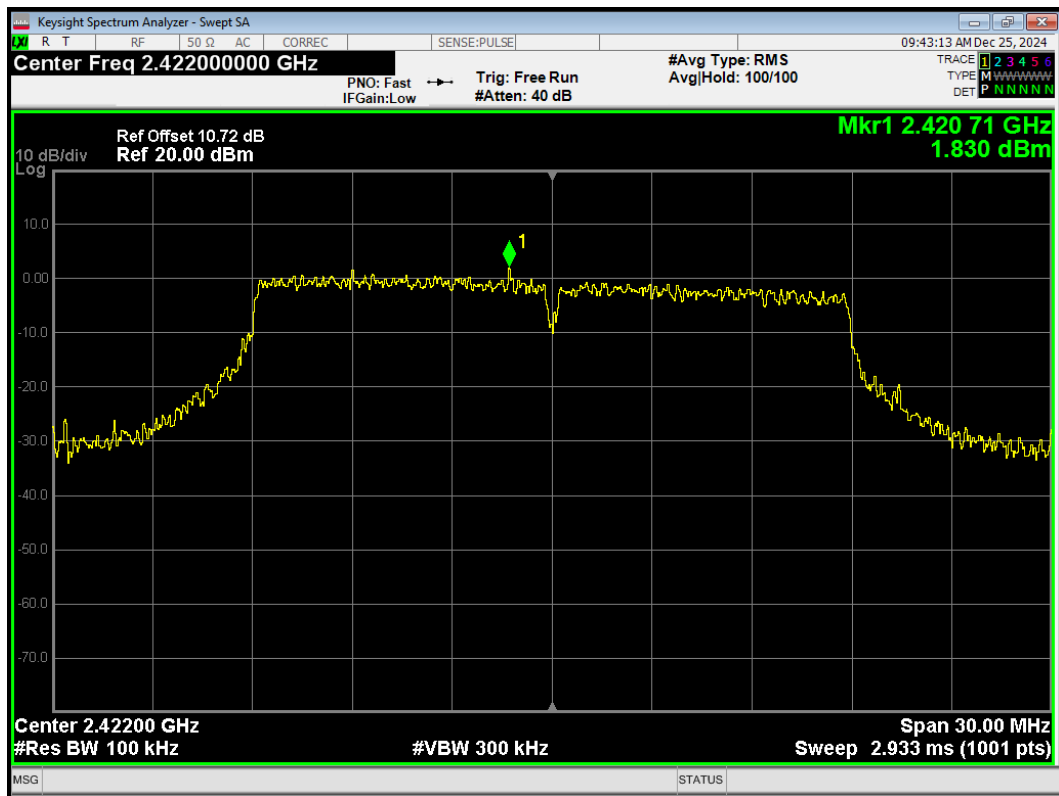
Band Edge 802.11n(HT20) 2417MHz Ref



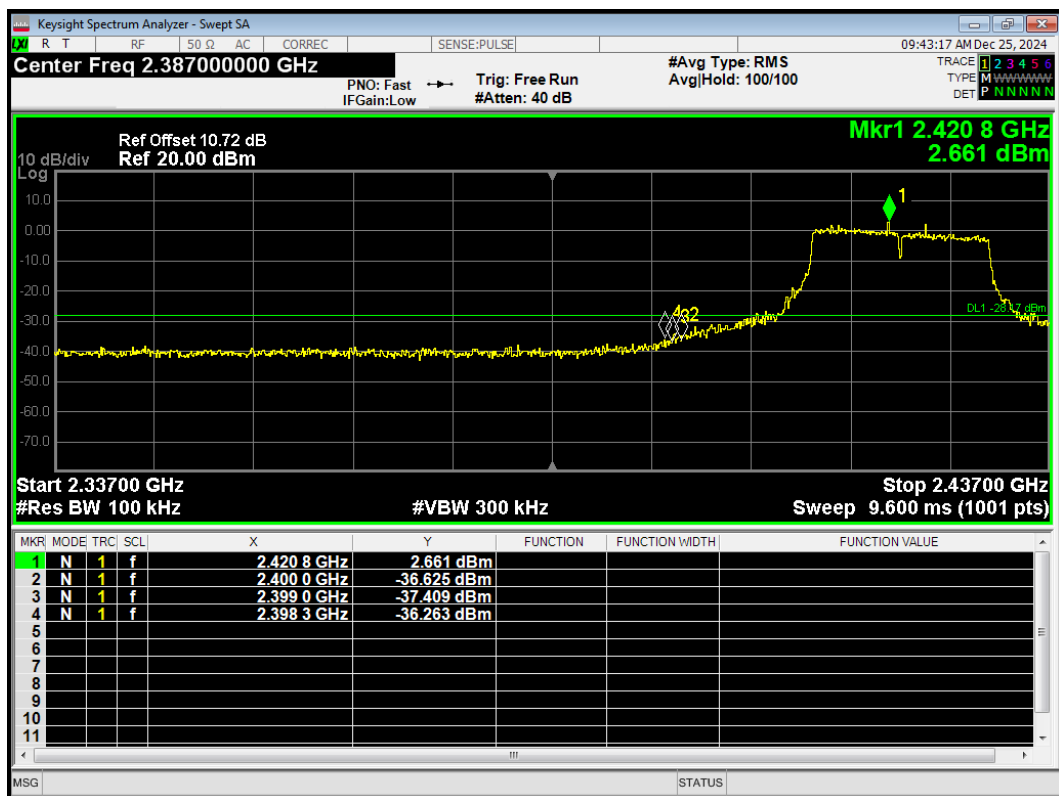
Band Edge 802.11n(HT20) 2417MHz Emission



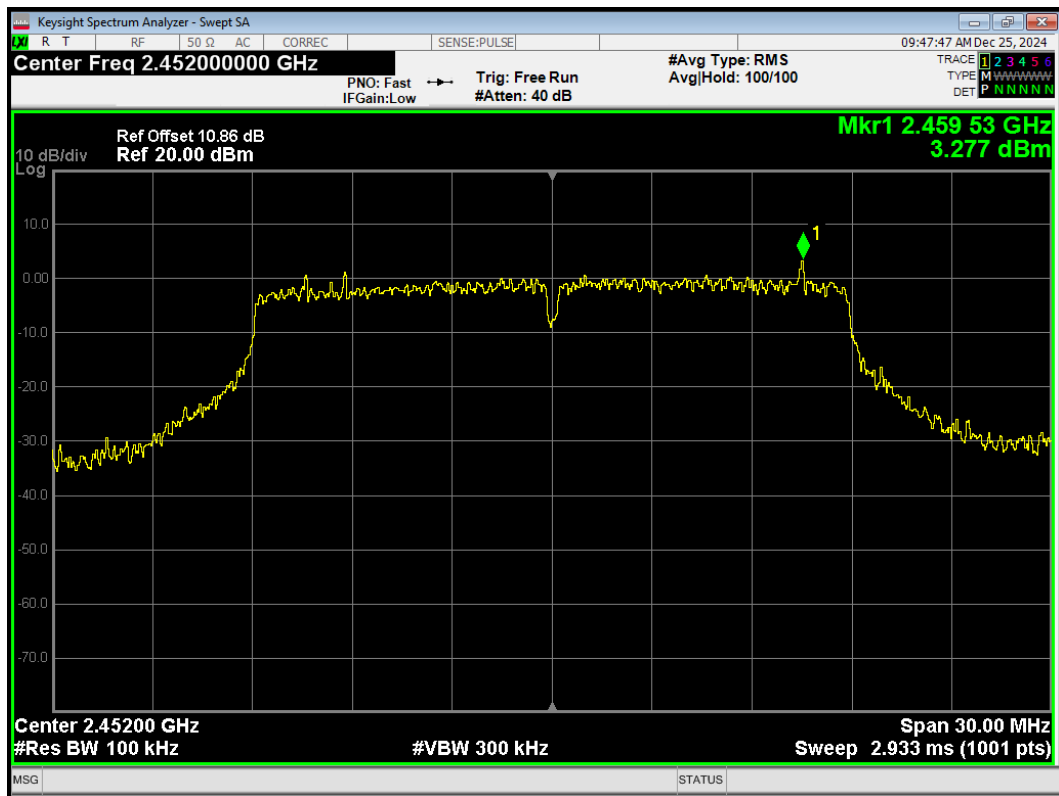
Band Edge 802.11n(HT20) 2422MHz Ref



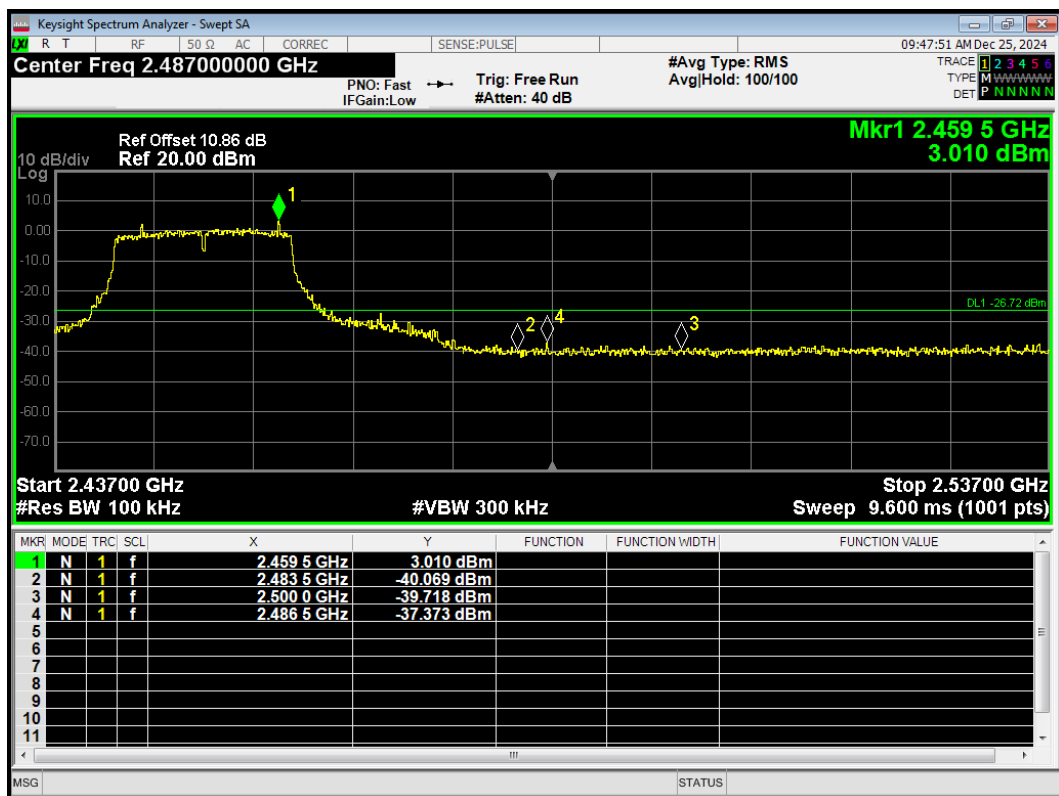
Band Edge 802.11n(HT20) 2422MHz Emission



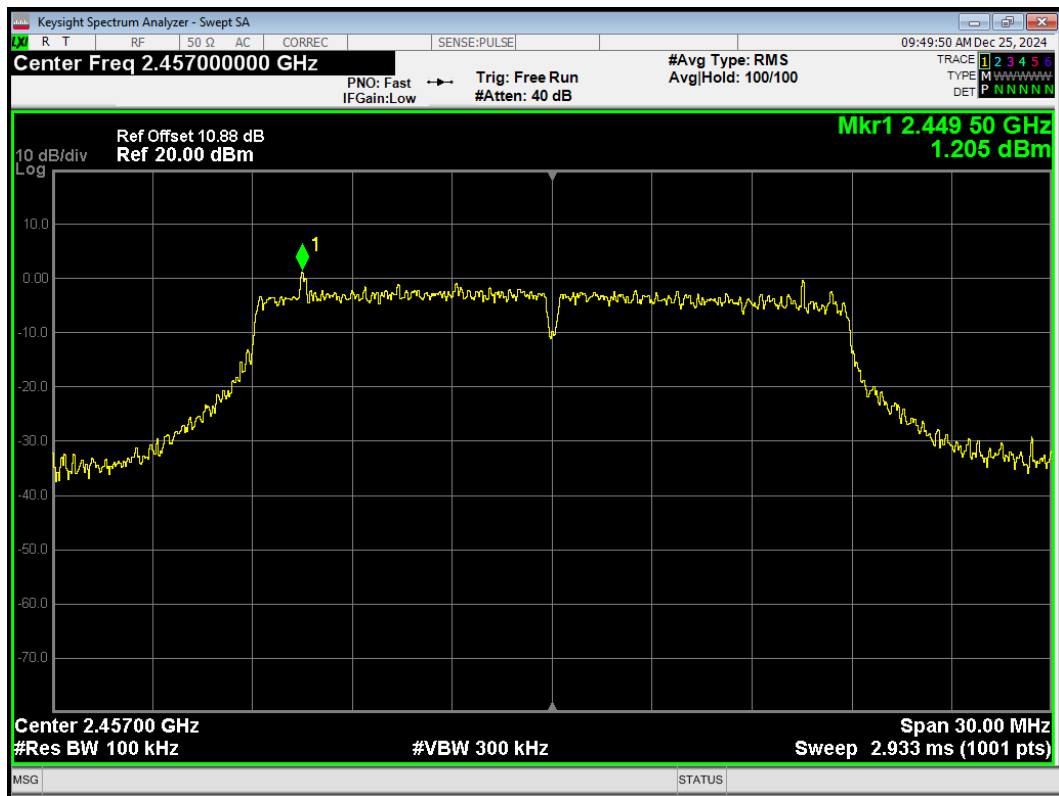
Band Edge 802.11n(HT20) 2452MHz Ref



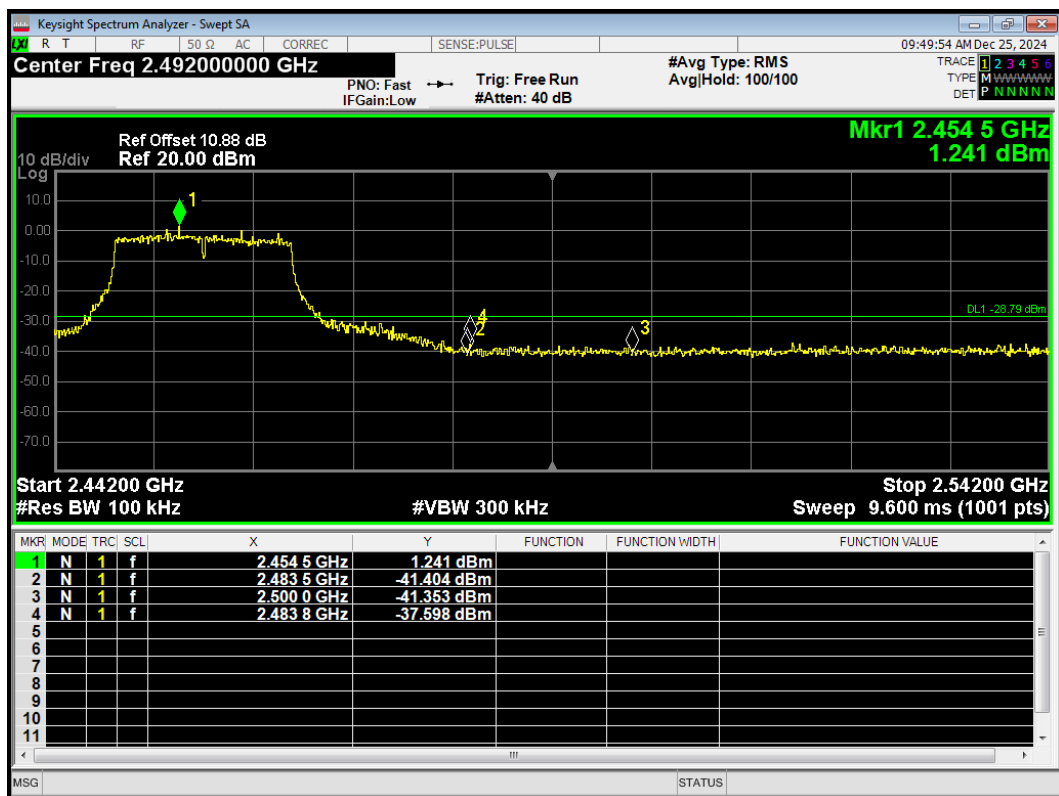
Band Edge 802.11n(HT20) 2452MHz Emission



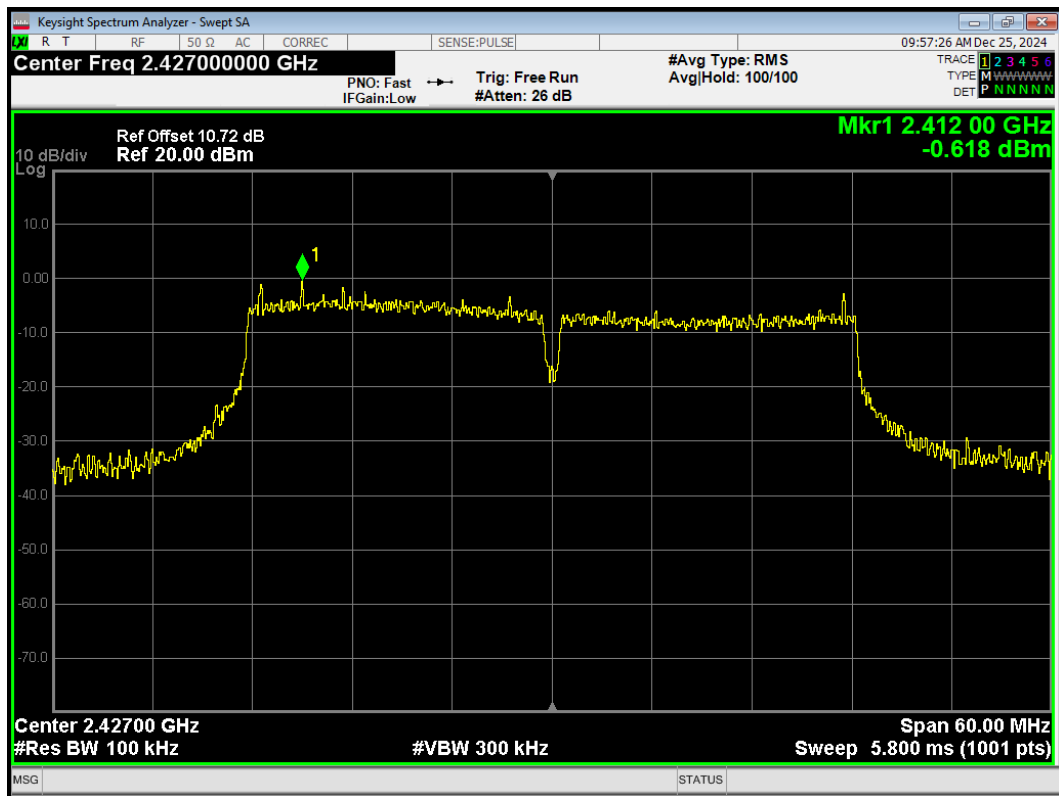
Band Edge 802.11n(HT20) 2457MHz Ref



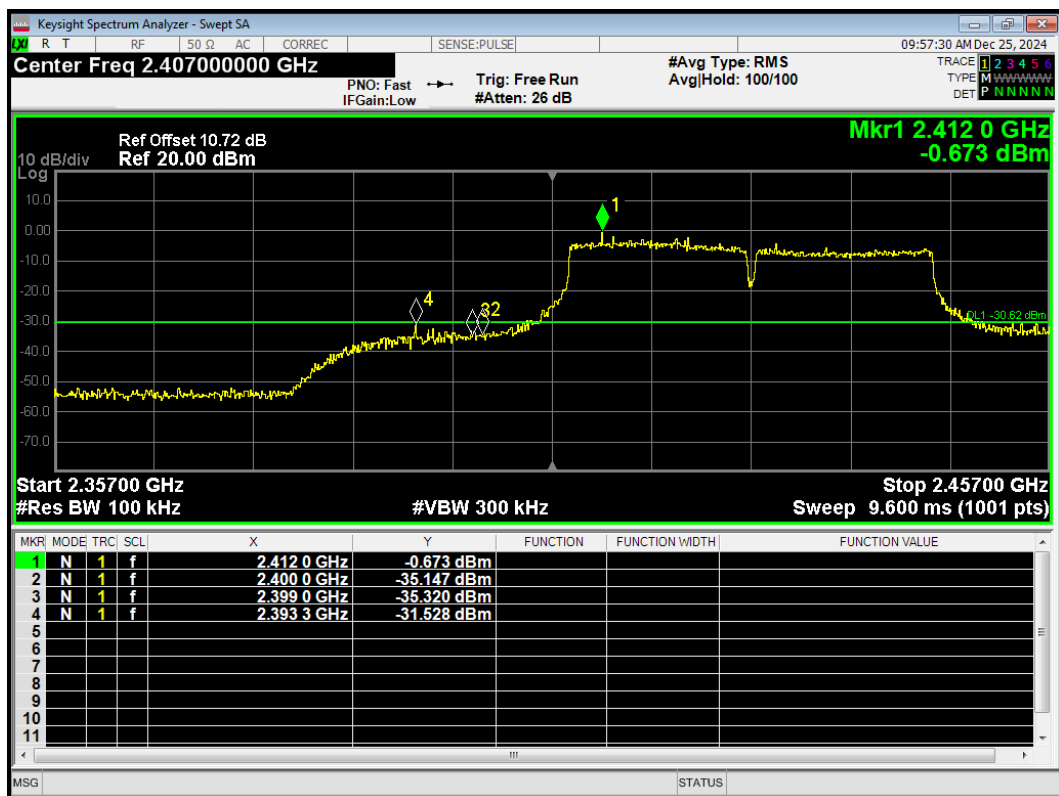
Band Edge 802.11n(HT20) 2457MHz Emission



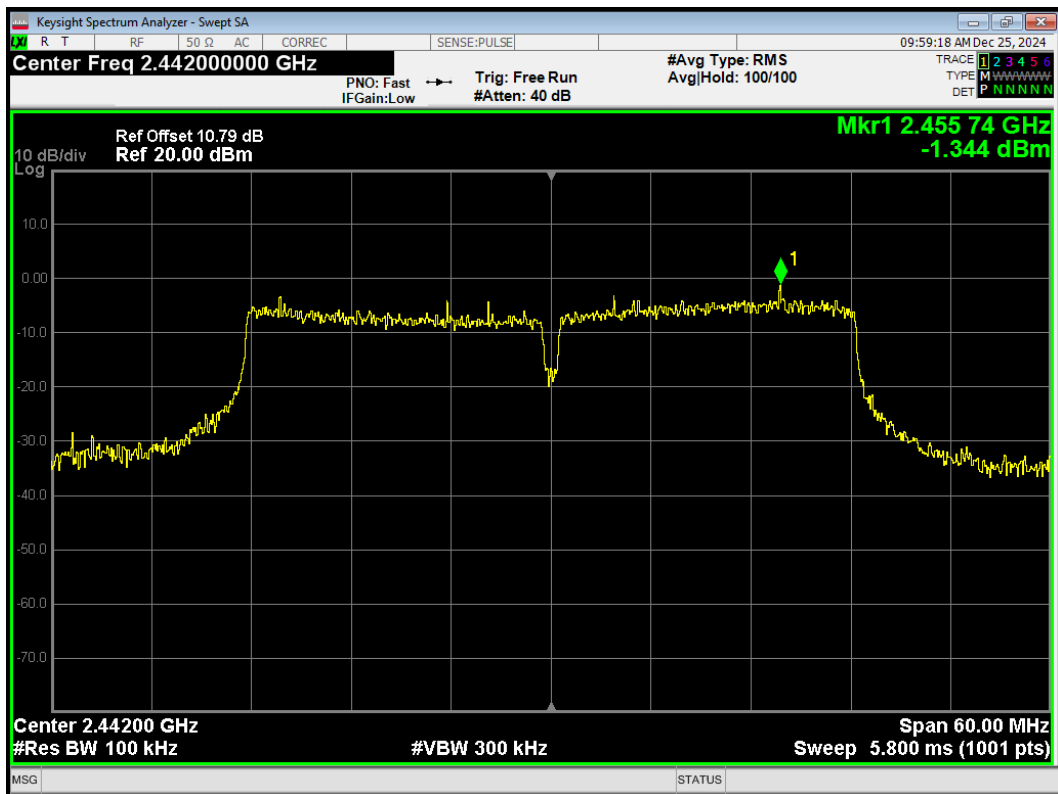
Band Edge 802.11n(HT40) 2427MHz Ref



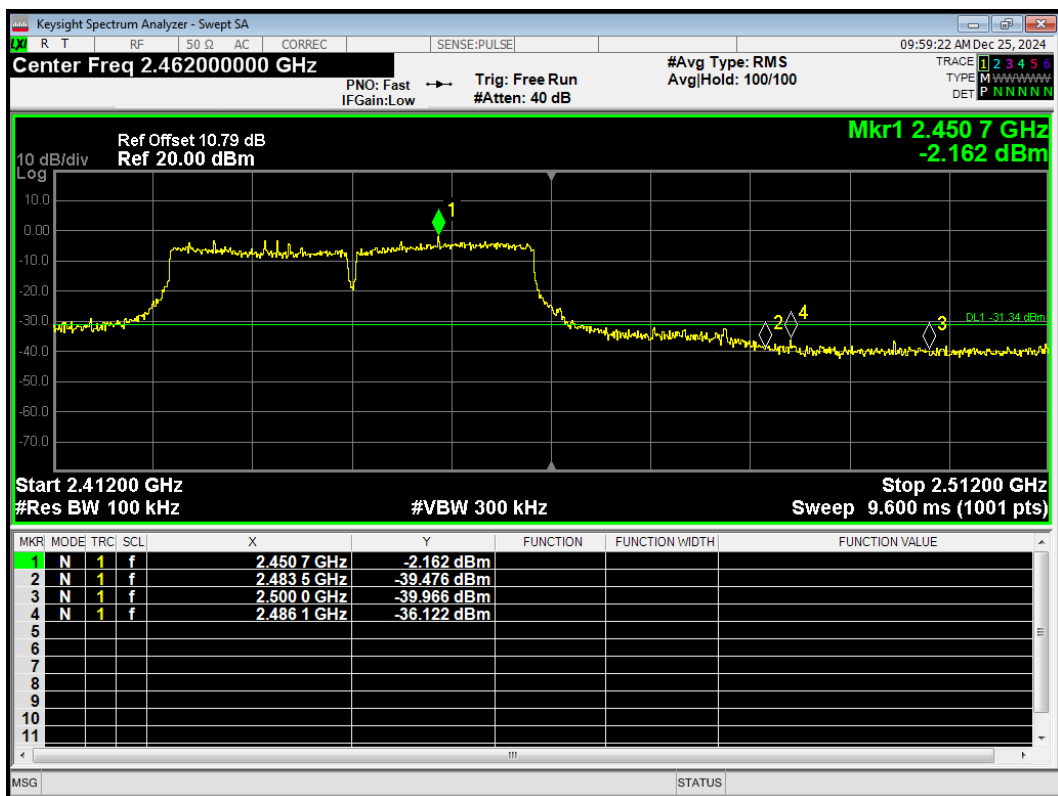
Band Edge 802.11n(HT40) 2427MHz Emission



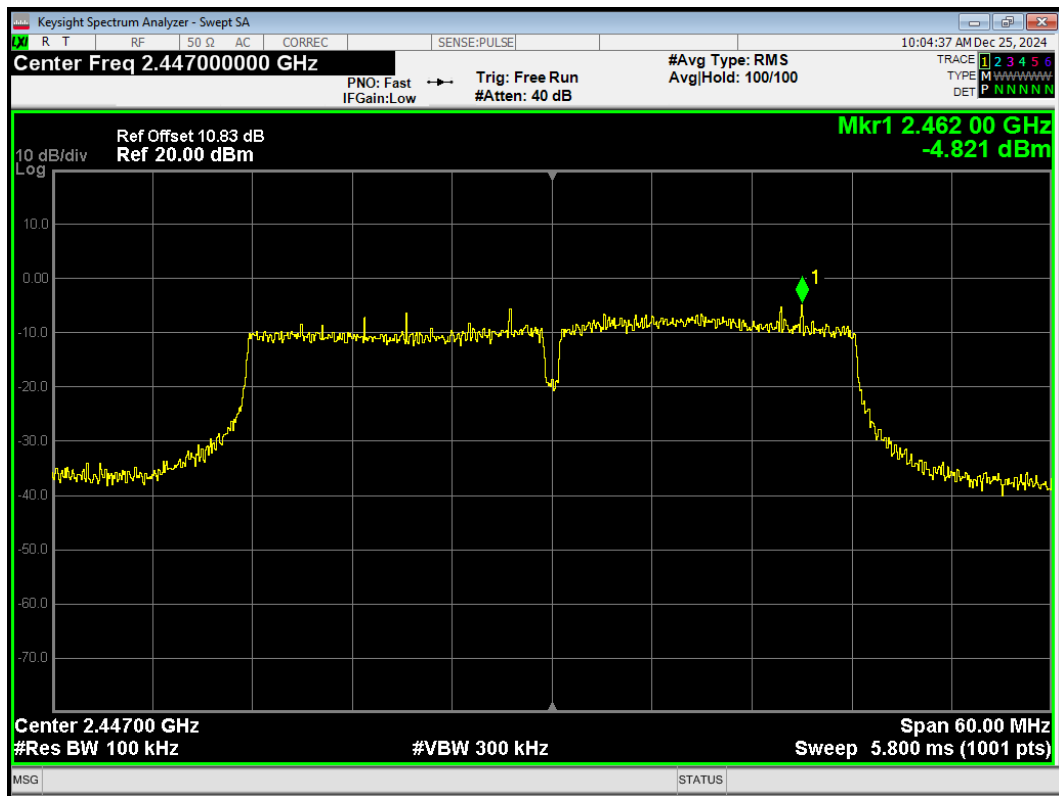
Band Edge 802.11n(HT40) 2442MHz Ref



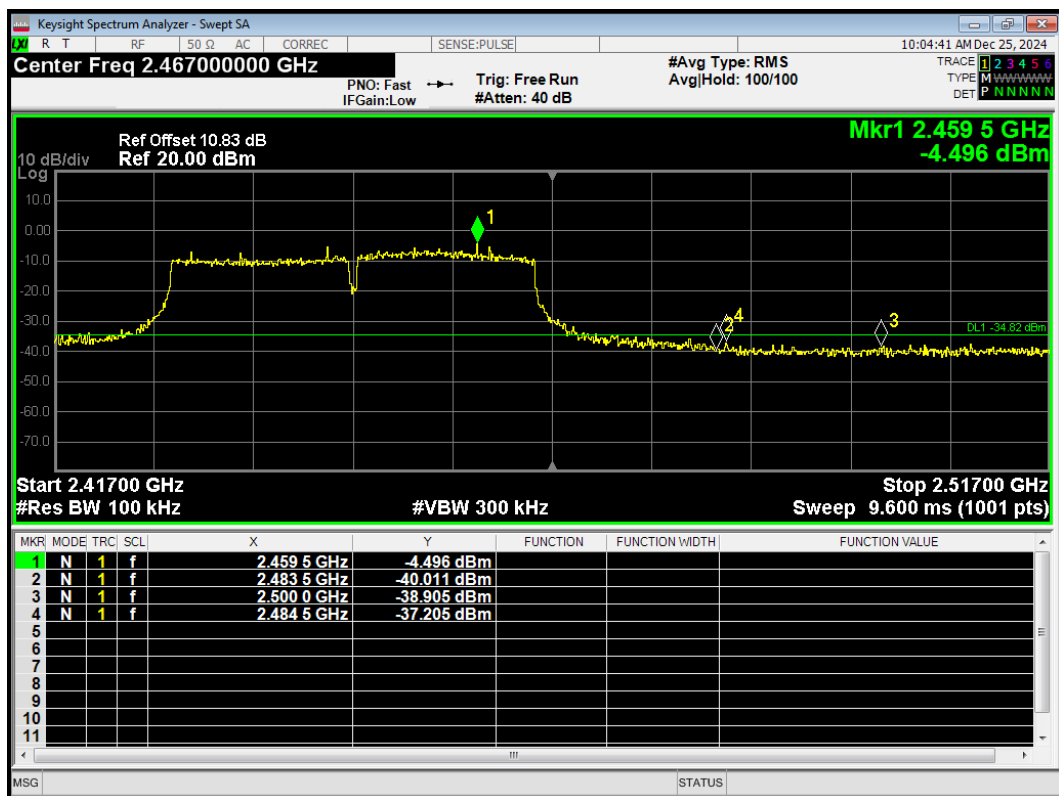
Band Edge 802.11n(HT40) 2442MHz Emission



Band Edge 802.11n(HT40) 2447MHz Ref

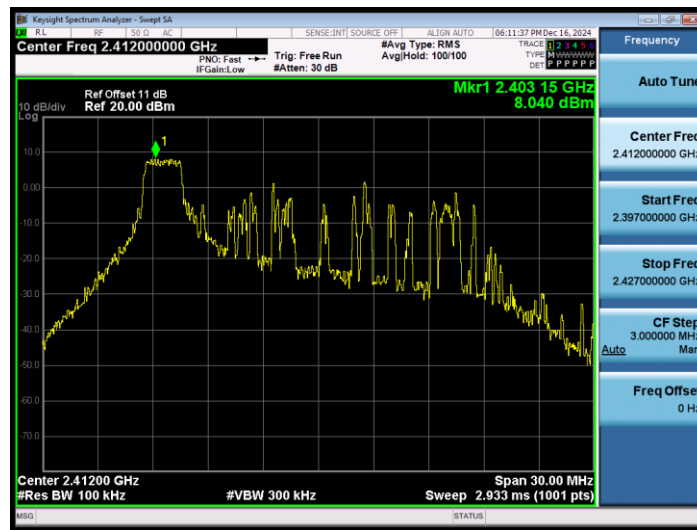


Band Edge 802.11n(HT40) 2447MHz Emission



TB Mode

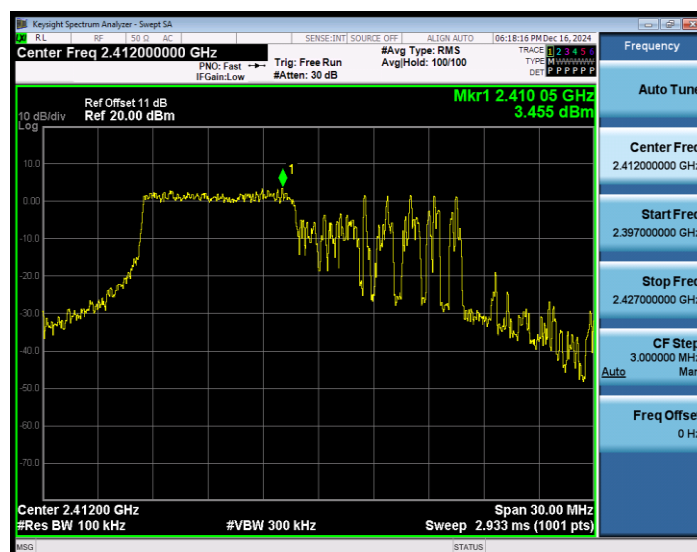
802.11ax HE20_2412_26Tone_RU0



802.11ax HE20_2412_52Tone_RU37



802.11ax HE20_2412_106Tone_RU53



802.11ax HE20_2462_26Tone_RU8



802.11ax HE20_2462_52Tone_RU40



802.11ax HE20_2462_106Tone_RU54

