

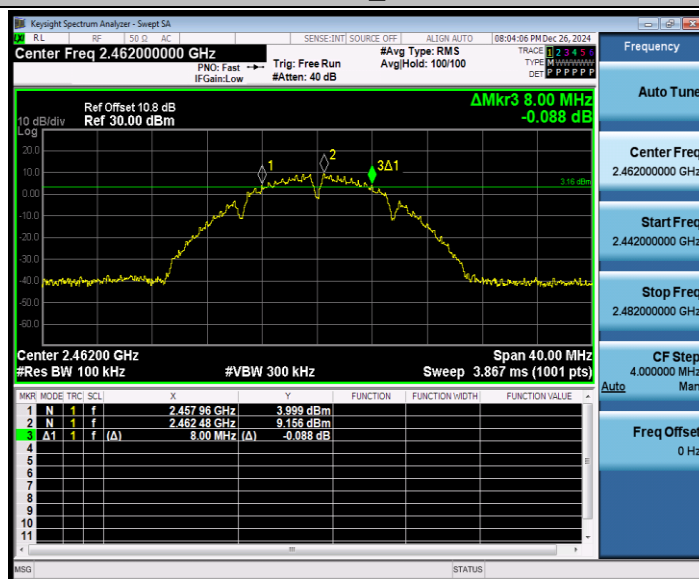
802.11b_2412



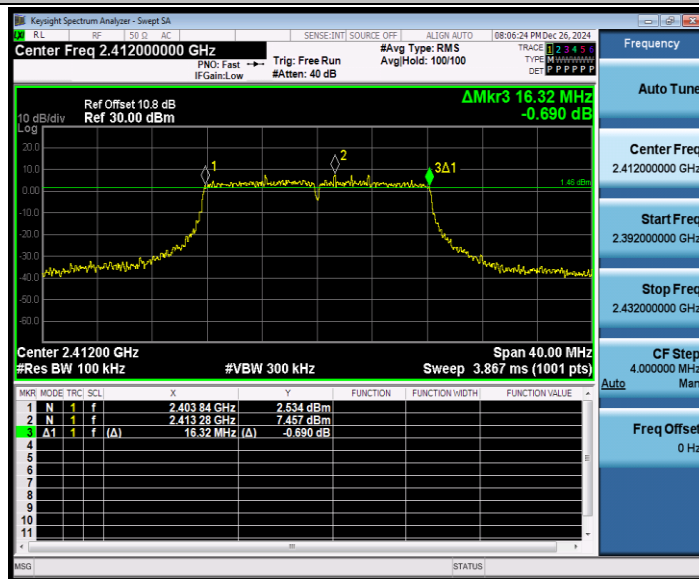
802.11b_2437



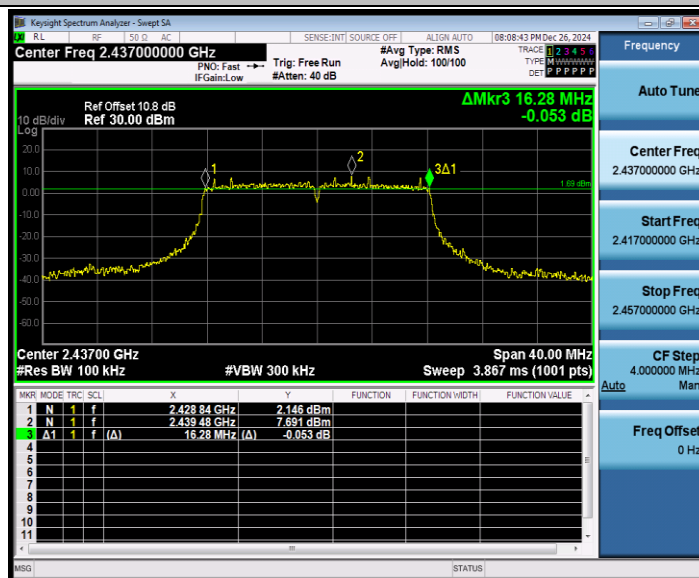
802.11b_2462



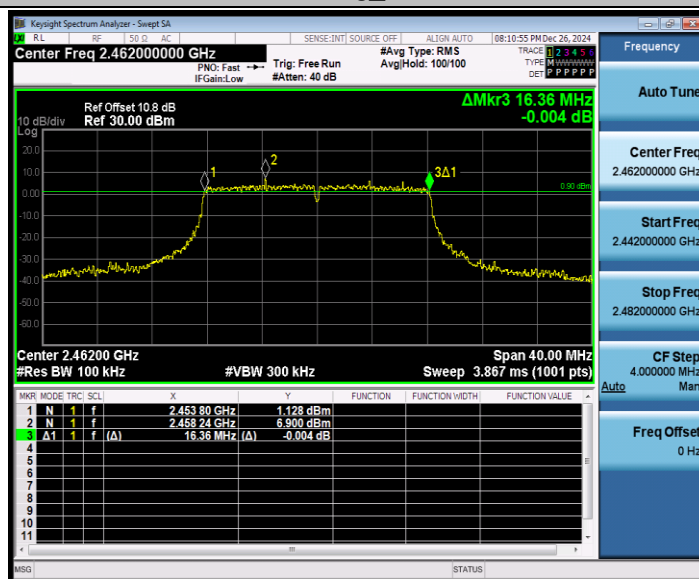
802.11g_2412



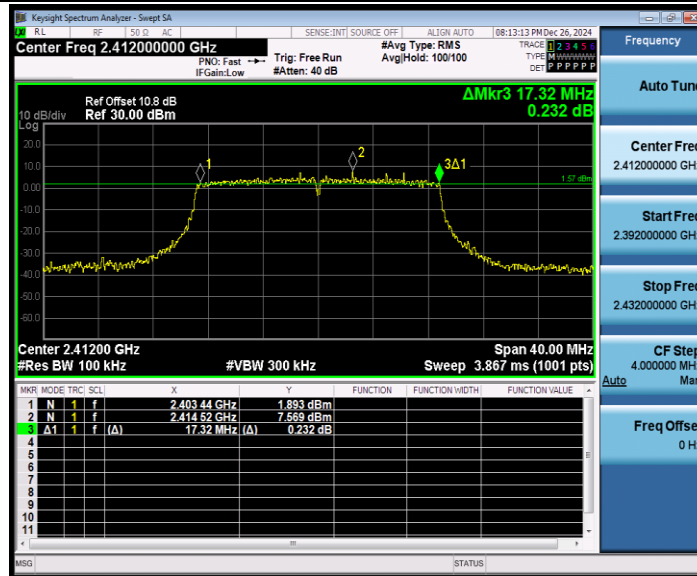
802.11g_2437



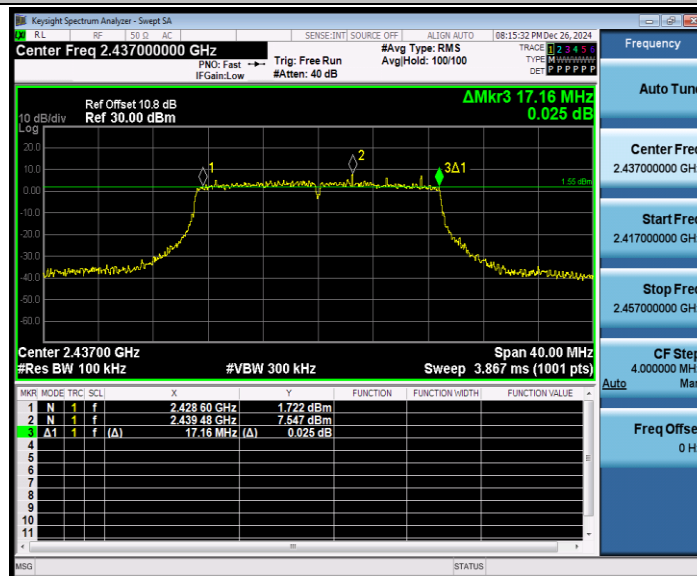
802.11g_2462



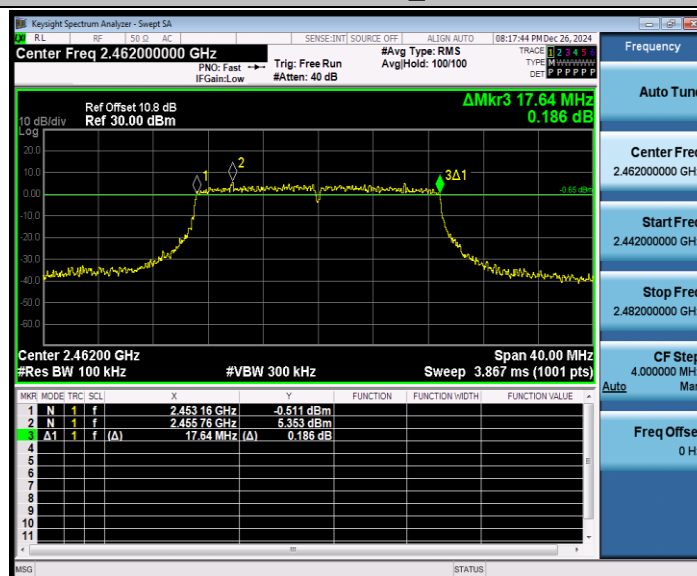
802.11n HT20_2412



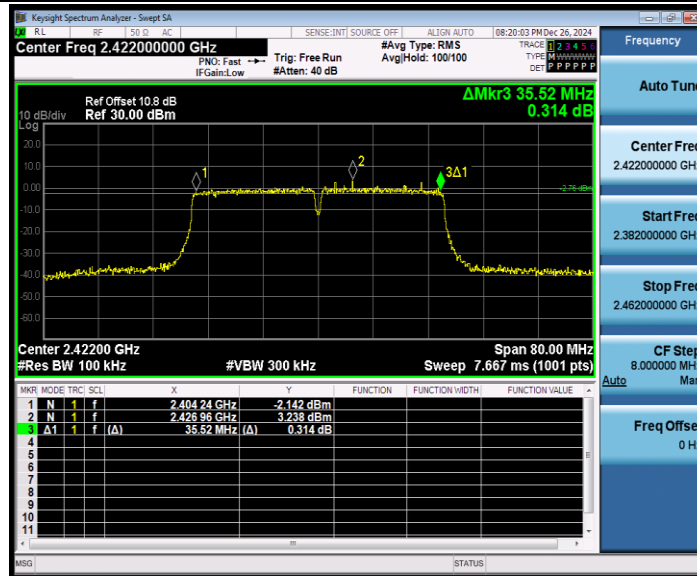
802.11n HT20_2437



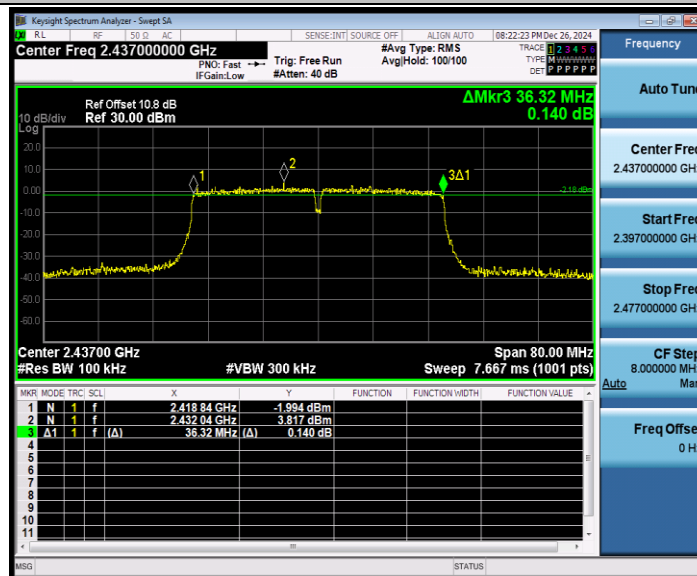
802.11n HT20_2462



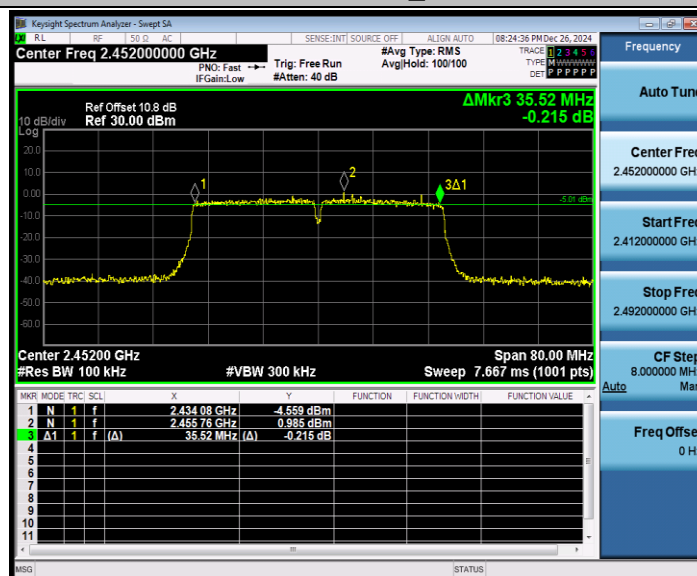
802.11n HT40_2422



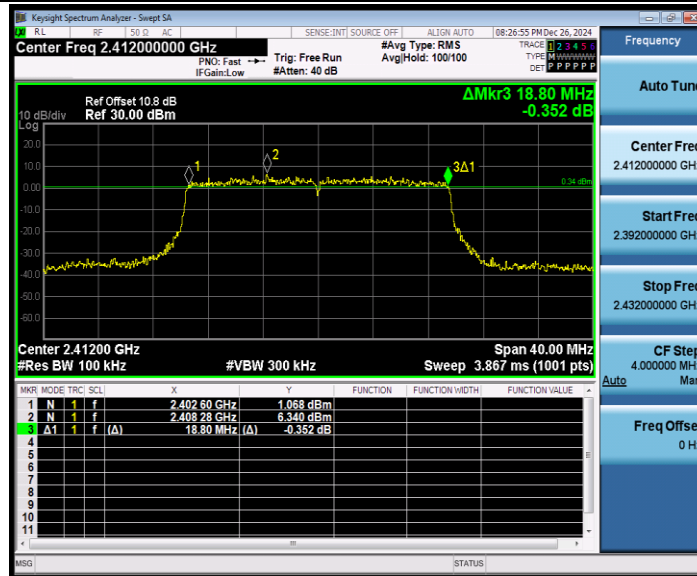
802.11n HT40_2437



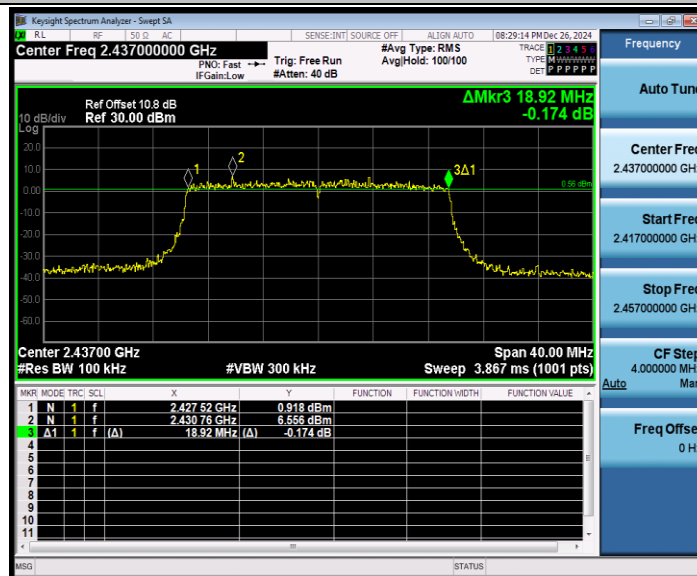
802.11n HT40_2452



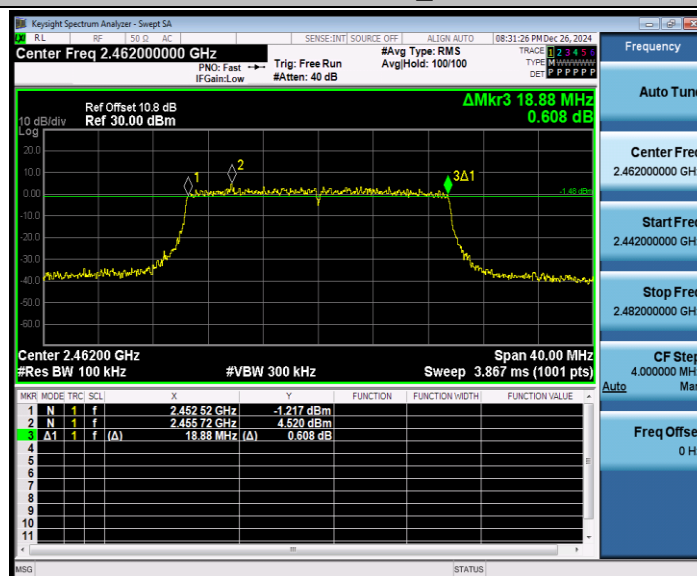
802.11ax HE20_2412



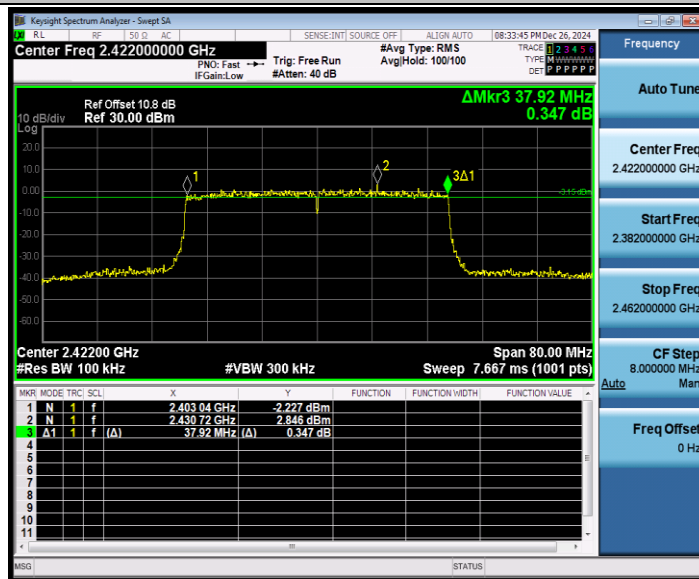
802.11ax HE20_2437



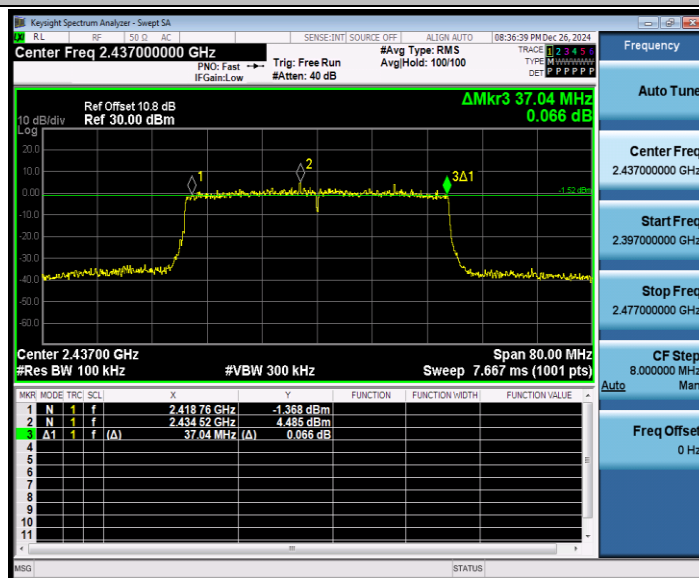
802.11ax HE20_2462



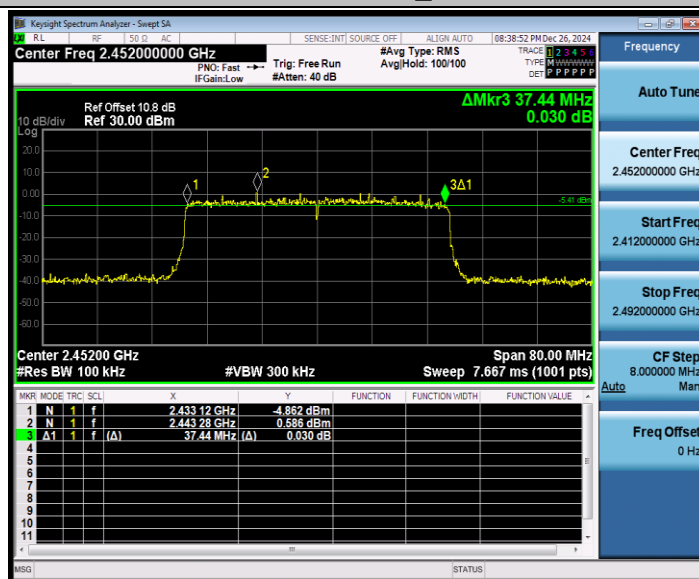
802.11ax HE40_2422



802.11ax HE40_2437

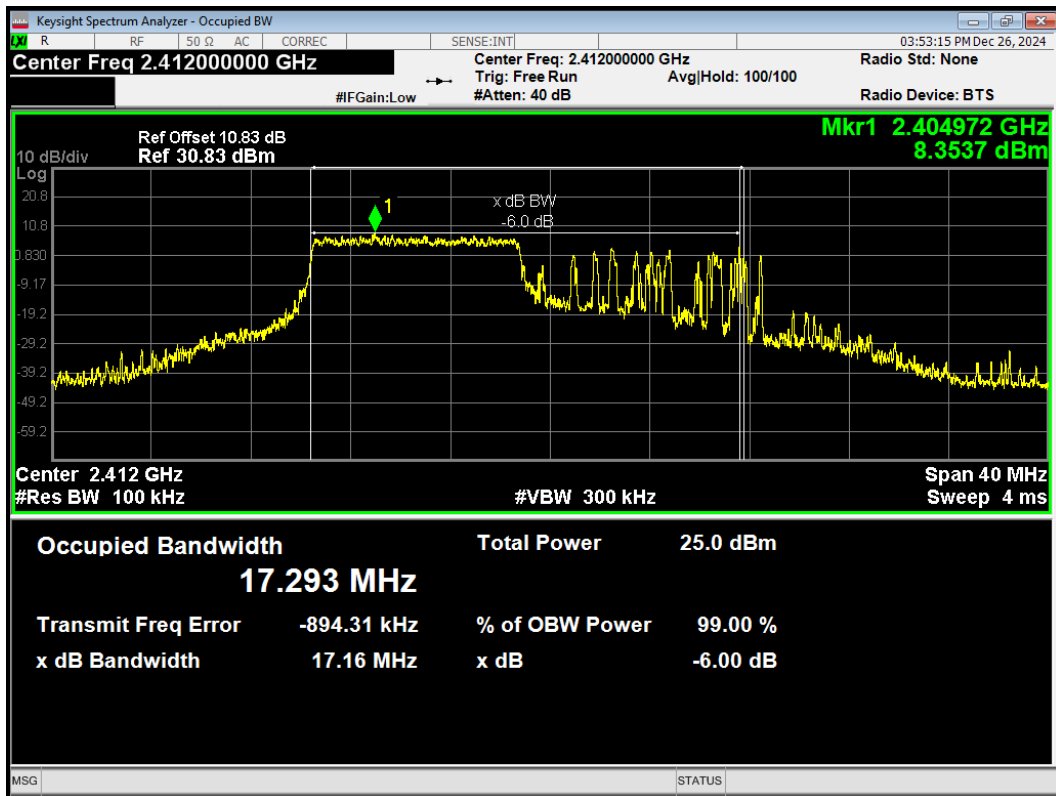


802.11ax HE40_2452

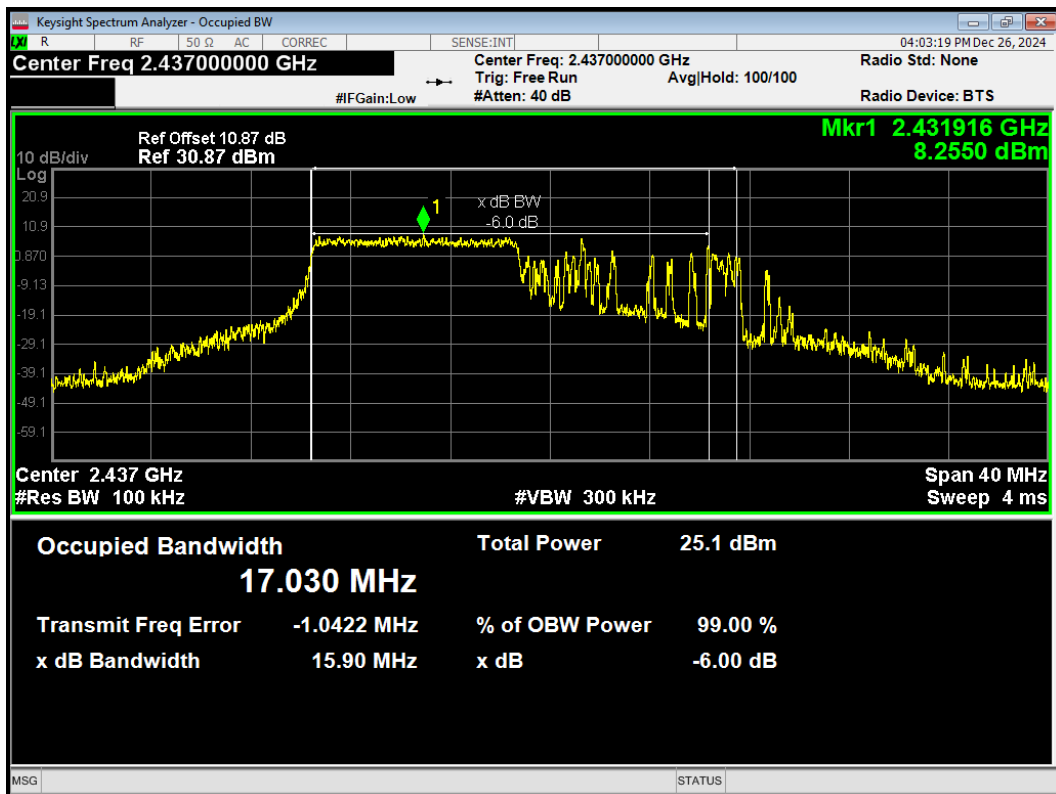


TB Mode

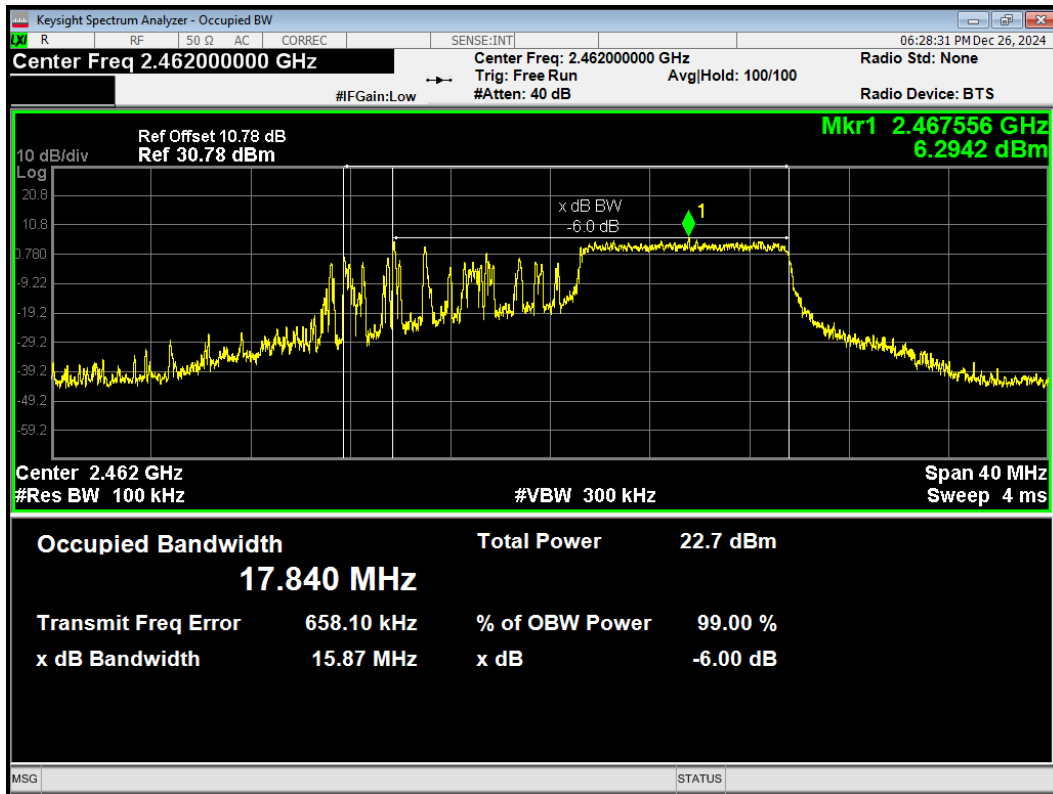
-6dB Bandwidth 802.11ax(HE20) 106T 2412MHz



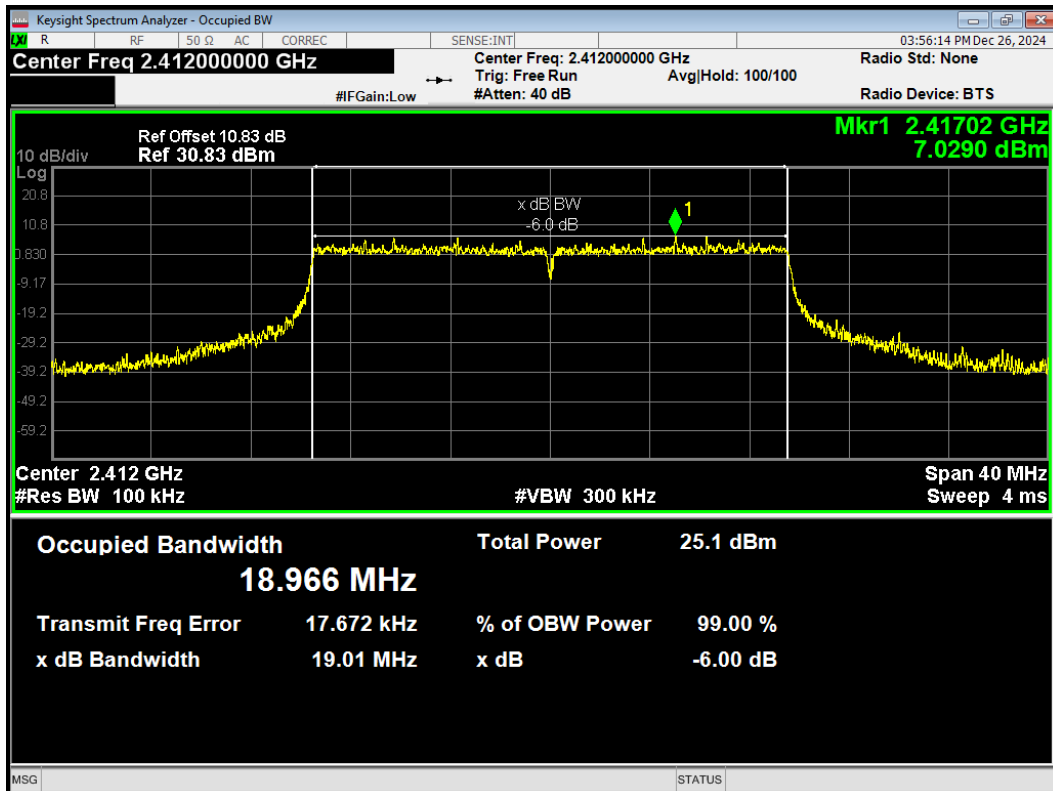
-6dB Bandwidth 802.11ax(HE20) 106T 2437MHz



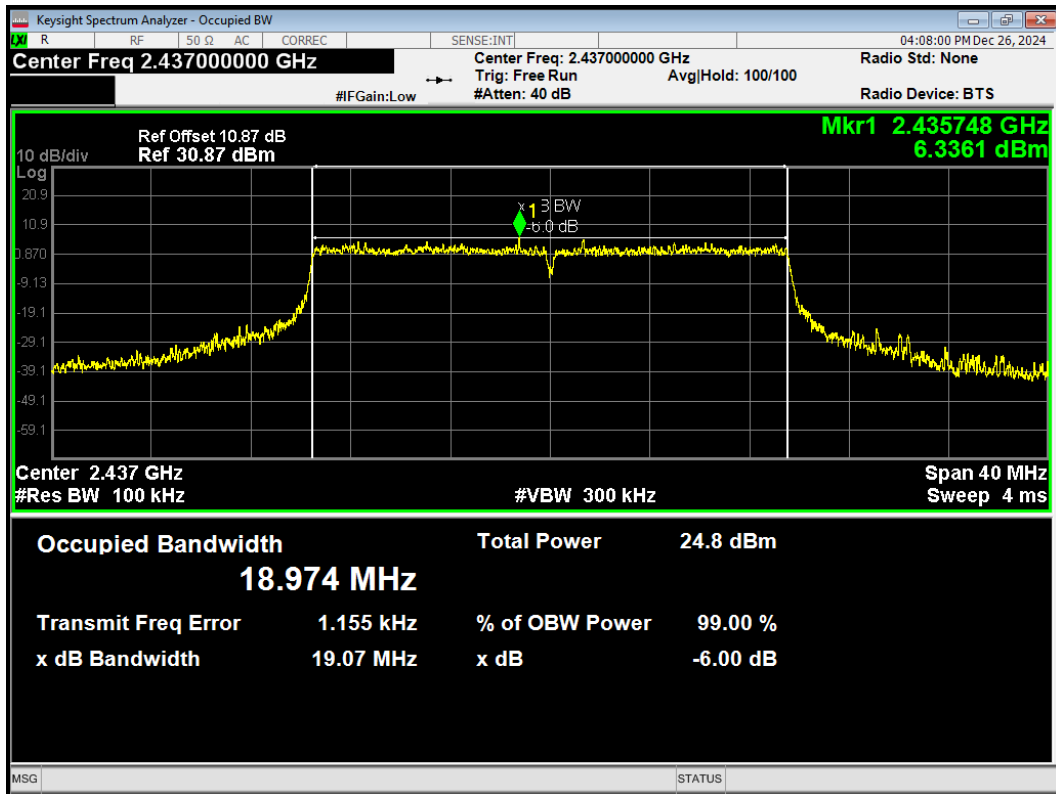
-6dB Bandwidth 802.11ax(HE20) 106T 2462MHz



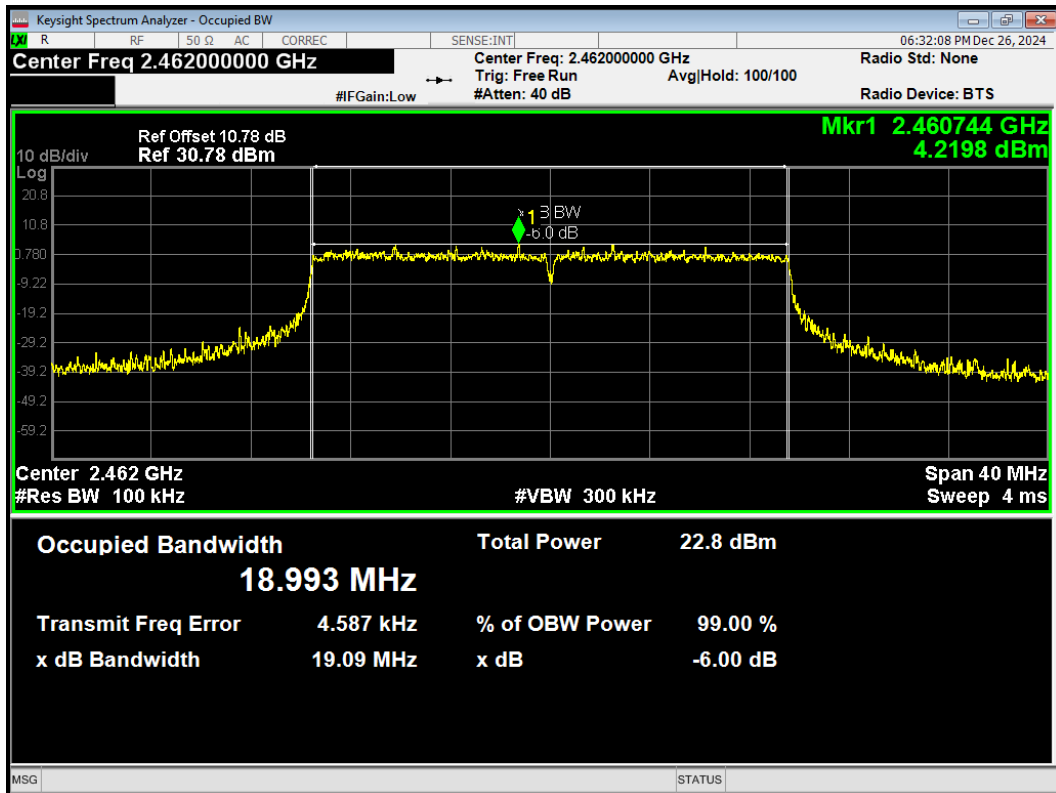
-6dB Bandwidth 802.11ax(HE20) 242T 2412MHz



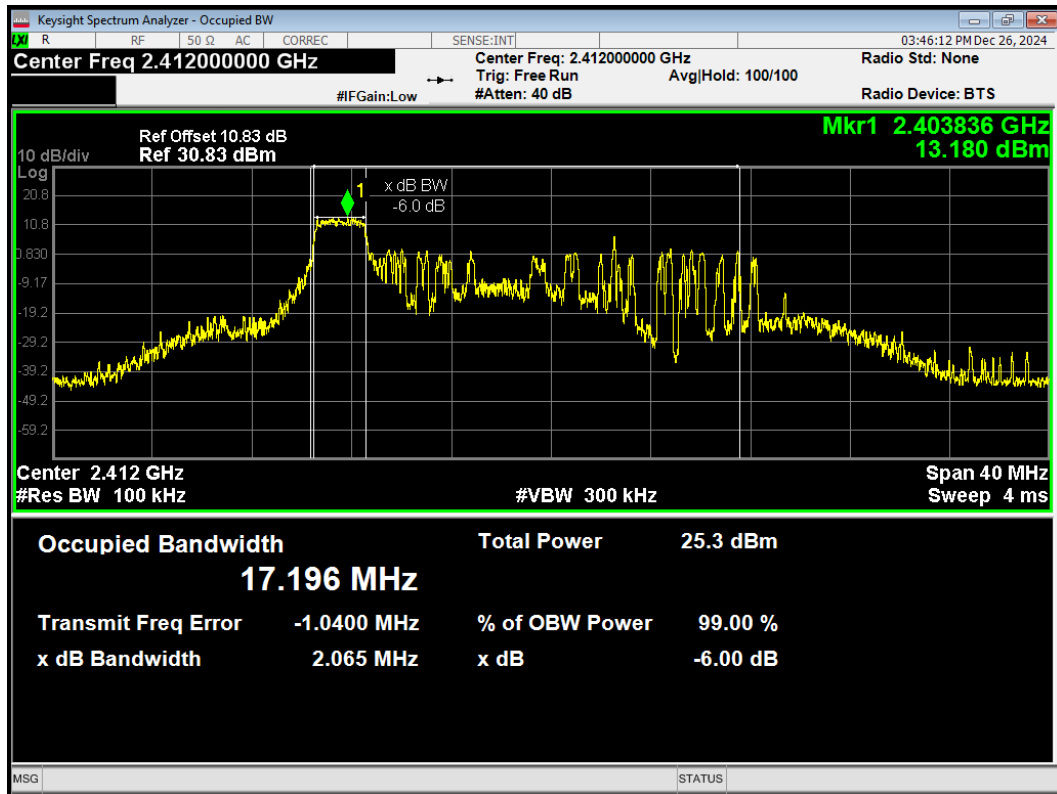
-6dB Bandwidth 802.11ax(HE20) 242T 2437MHz



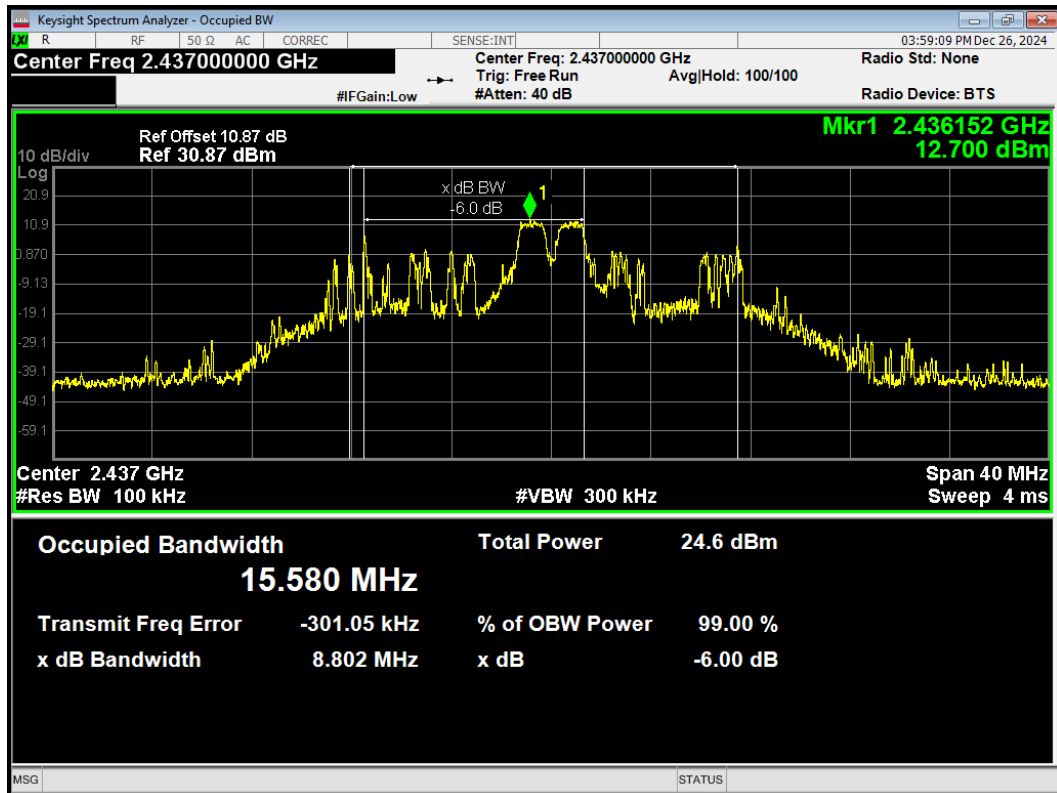
-6dB Bandwidth 802.11ax(HE20) 242T 2462MHz



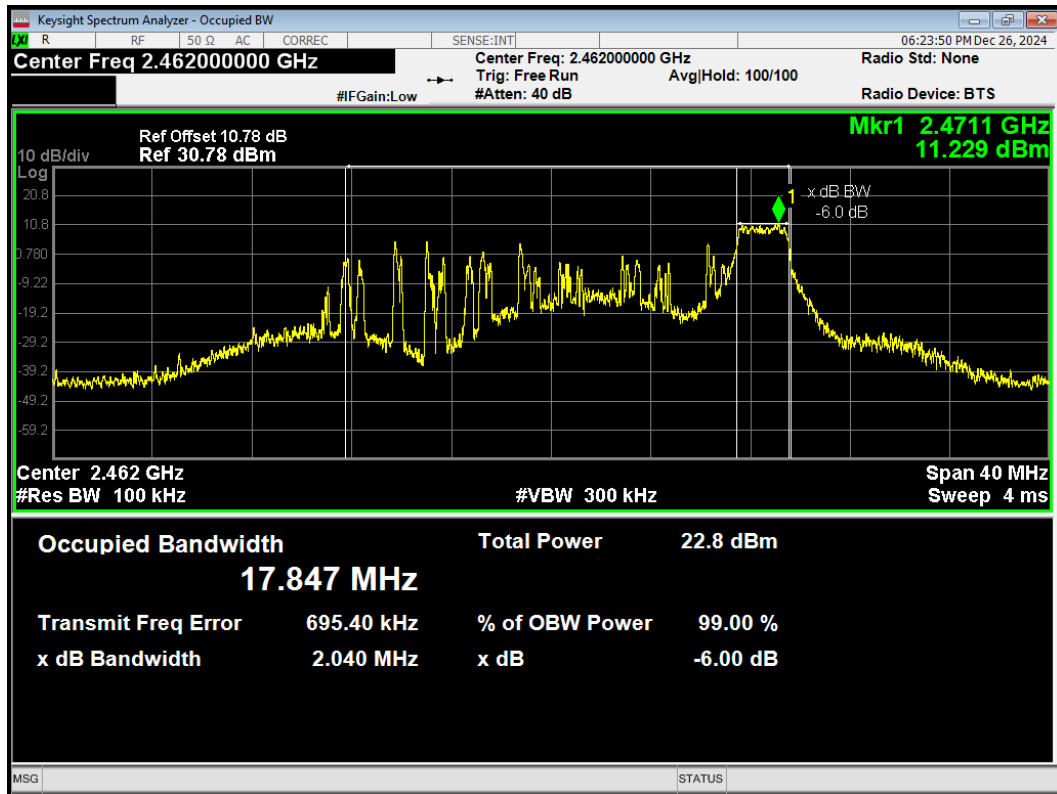
-6dB Bandwidth 802.11ax(HE20) 26T 2412MHz



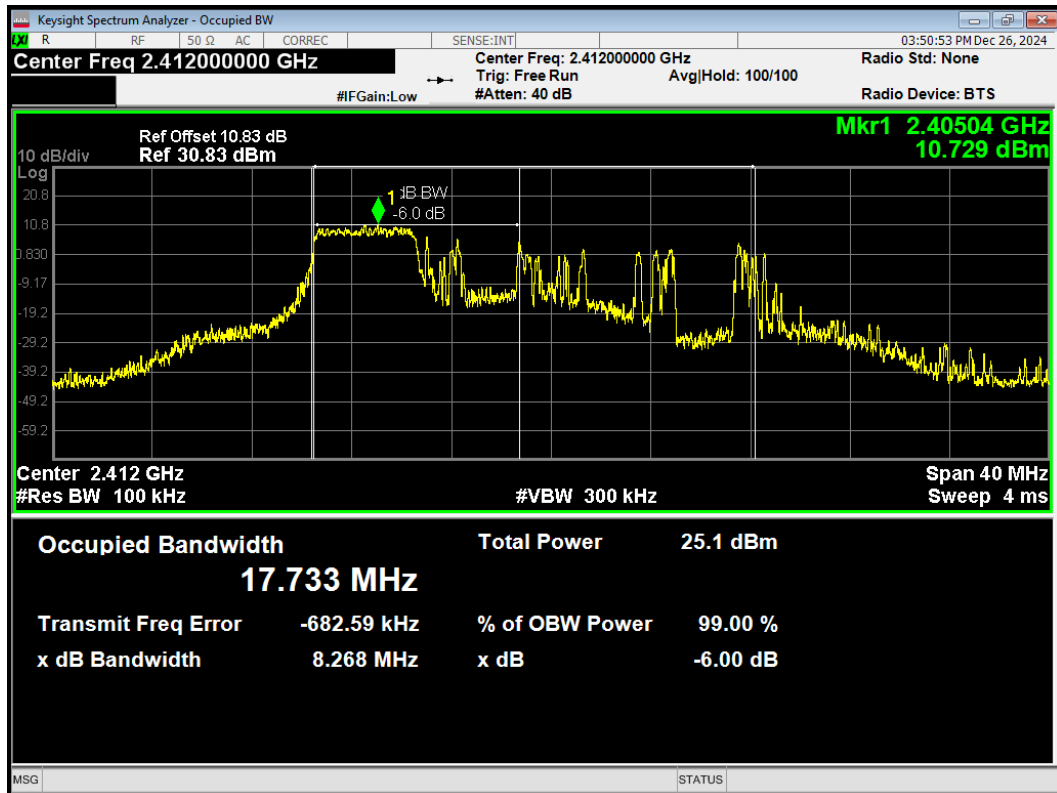
-6dB Bandwidth 802.11ax(HE20) 26T 2437MHz



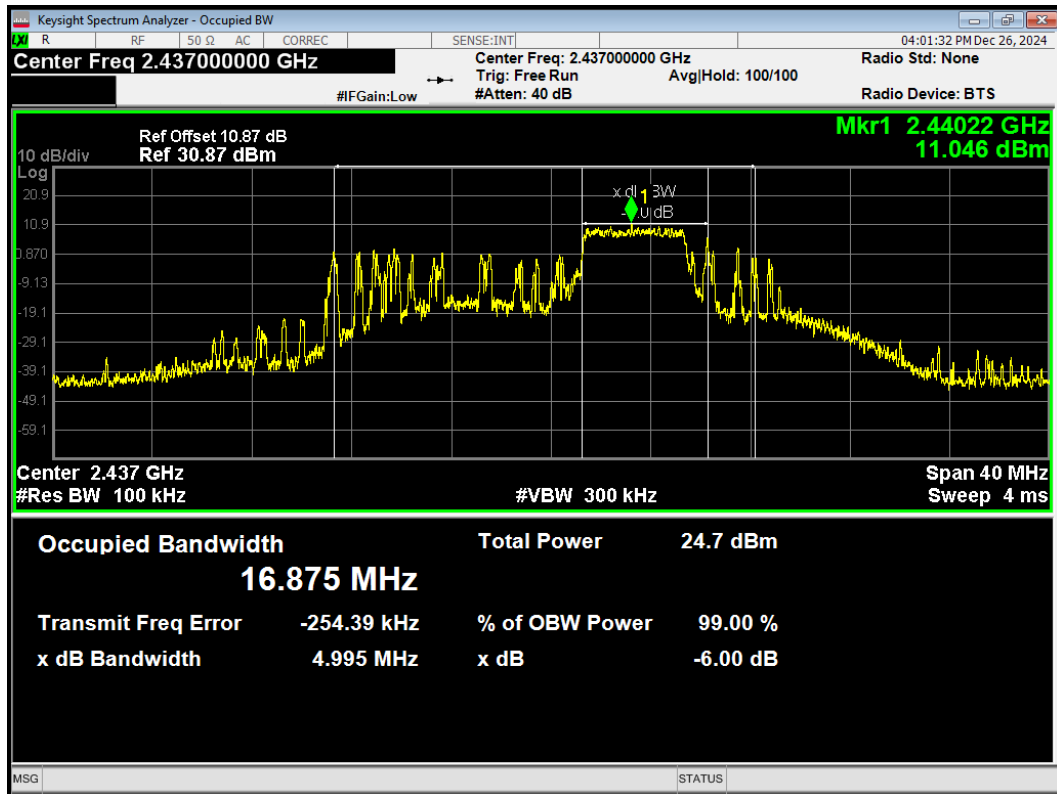
-6dB Bandwidth 802.11ax(HE20) 26T 2462MHz



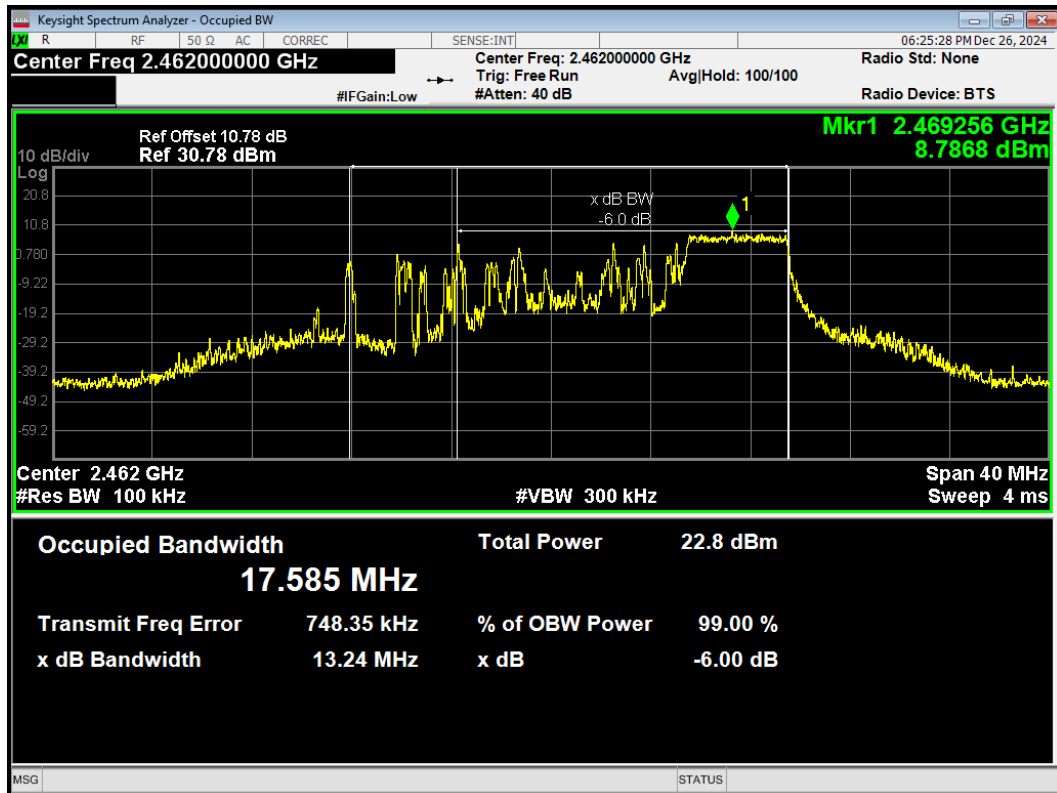
-6dB Bandwidth 802.11ax(HE20) 52T 2412MHz



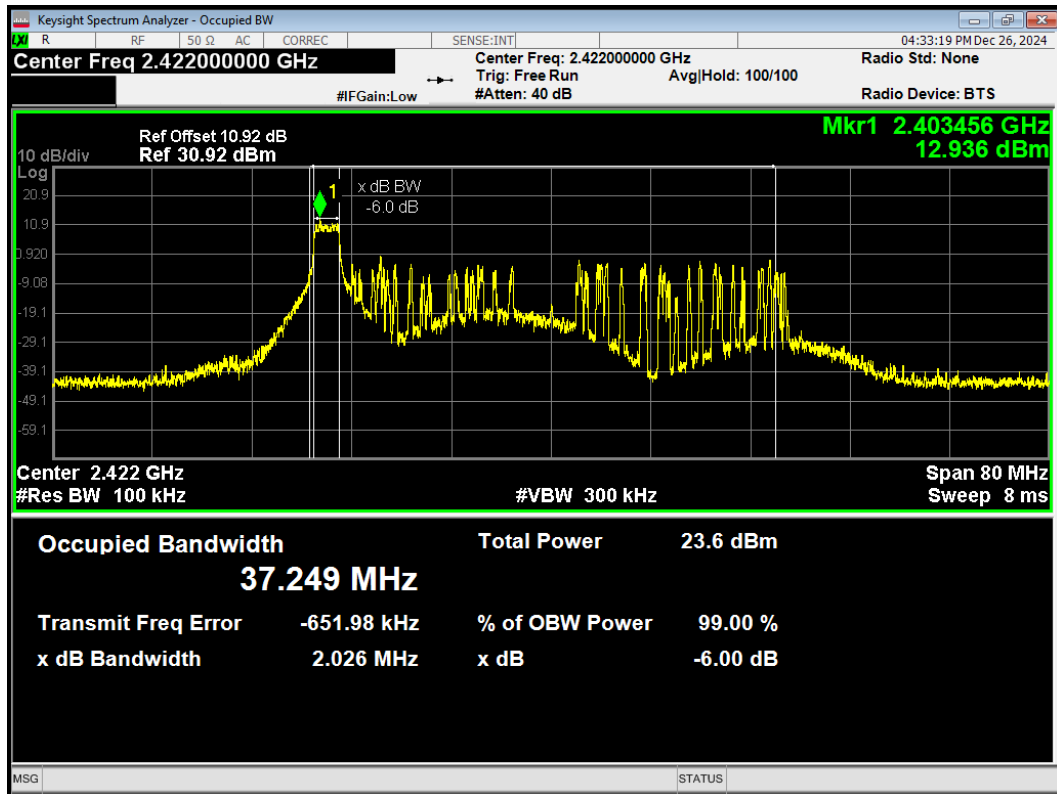
-6dB Bandwidth 802.11ax(HE20) 52T 2437MHz



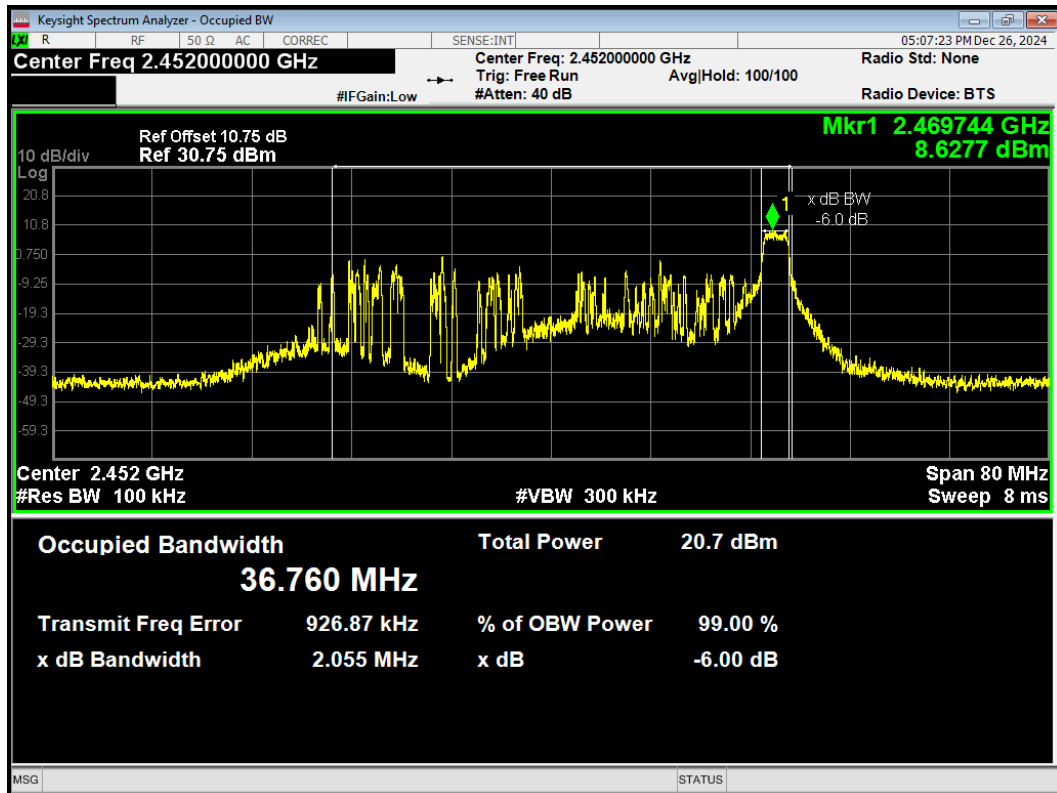
-6dB Bandwidth 802.11ax(HE20) 52T 2462MHz



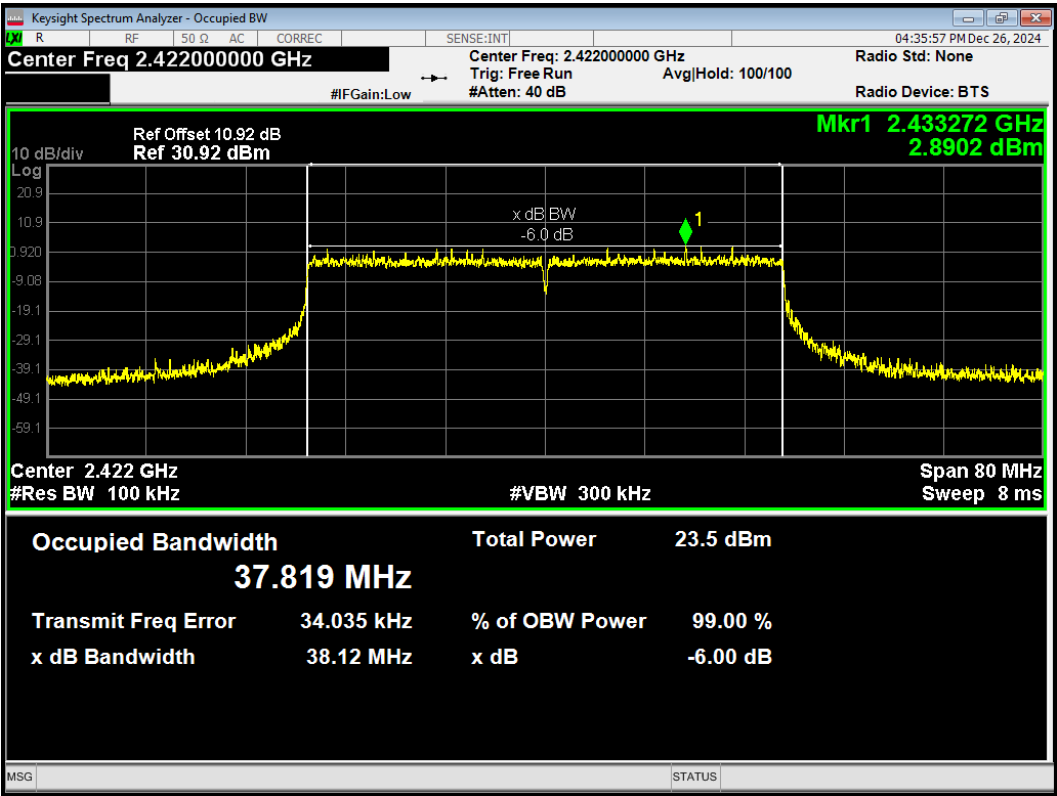
-6dB Bandwidth 802.11ax(HE40) 26T 2422MHz



-6dB Bandwidth 802.11ax(HE40) 26T 2452MHz



-6dB Bandwidth 802.11ax(HE40) 484T 2422MHz



5.3. Band Edge

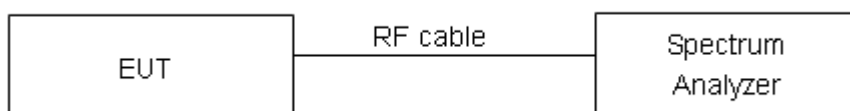
Ambient Condition

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.”

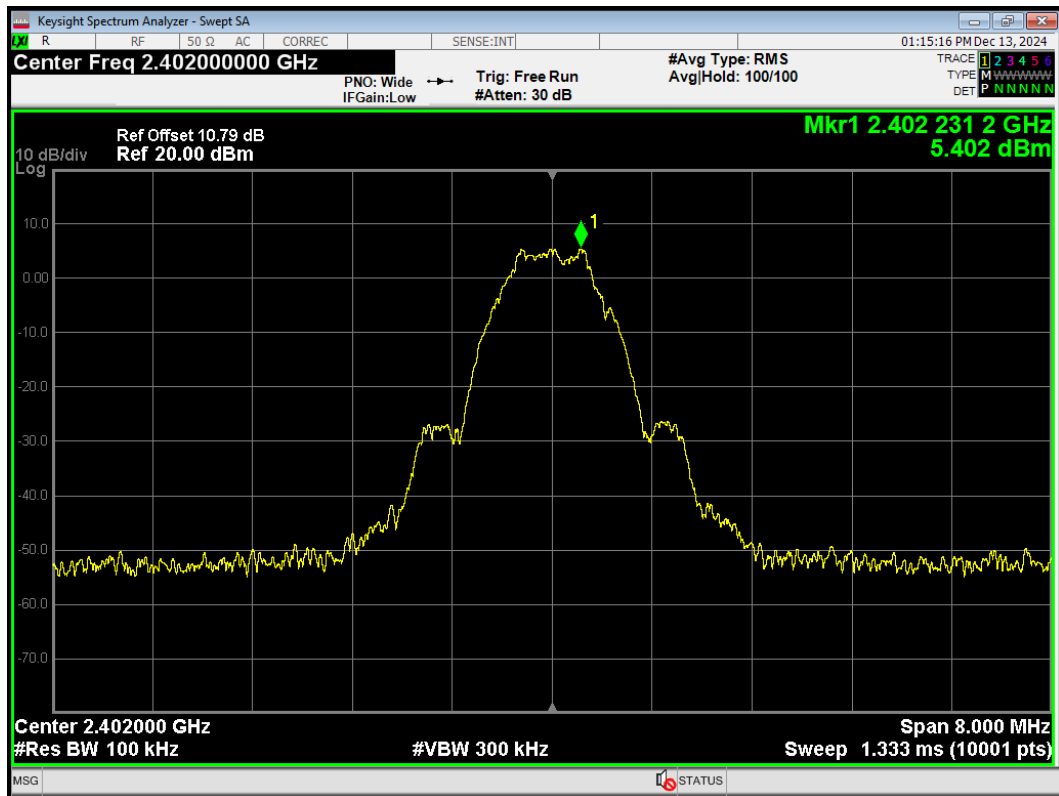
Measurement Uncertainty

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

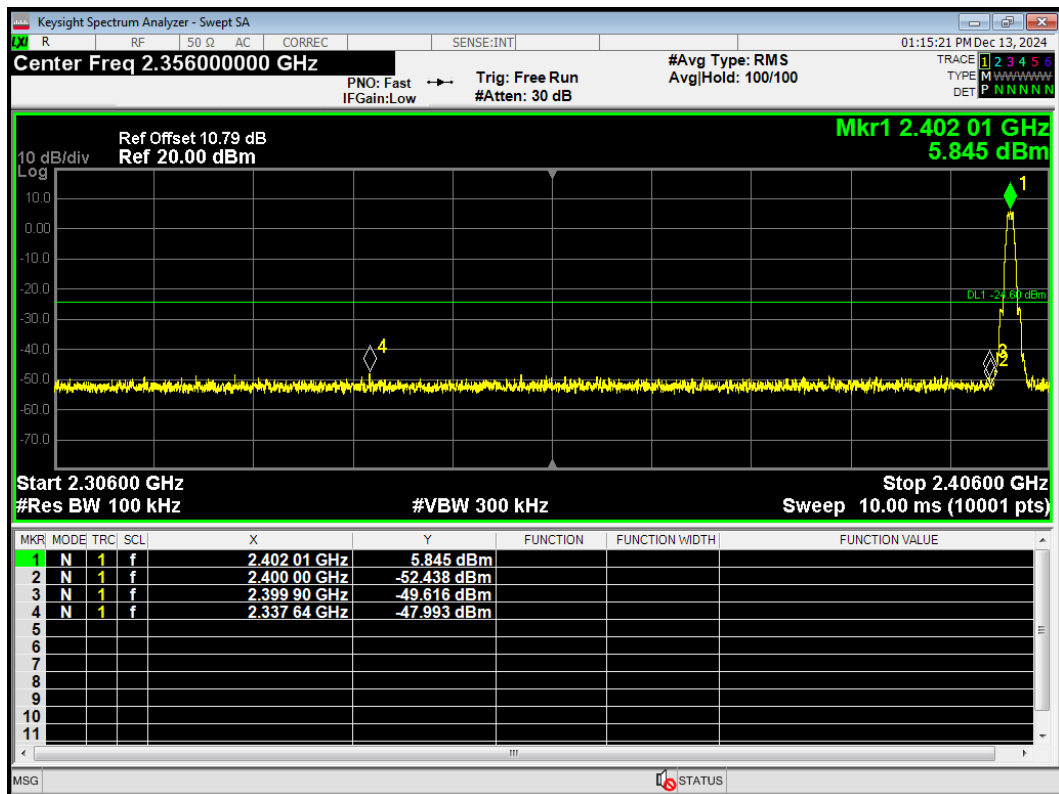
Frequency	Uncertainty
2GHz-3GHz	1.407 dB

Test Results: PASS

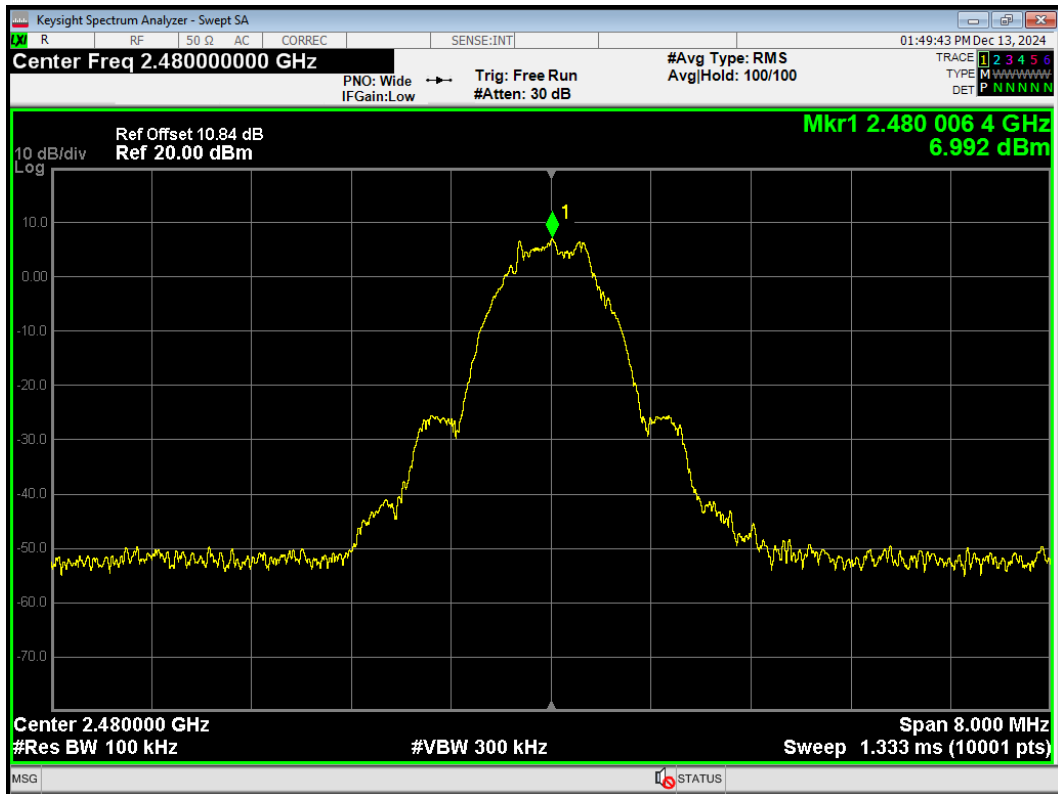
Band Edge Bluetooth LE (1M) 2402MHz Ref



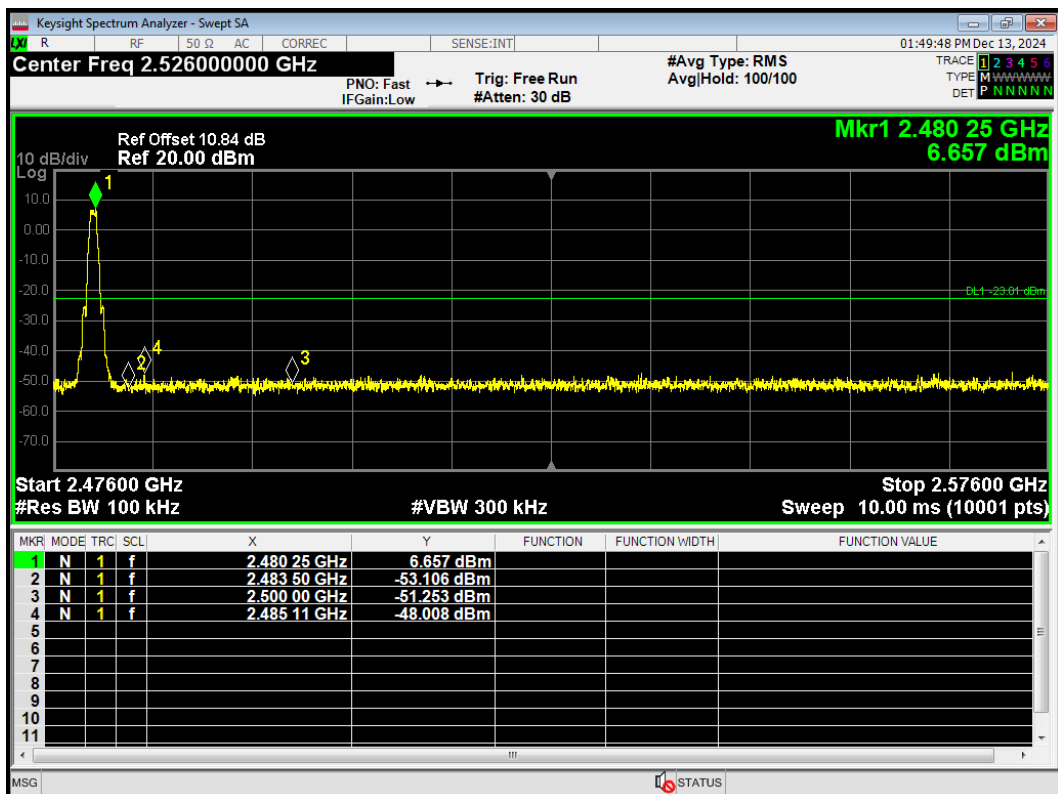
Band Edge Bluetooth LE (1M) 2402MHz Emission



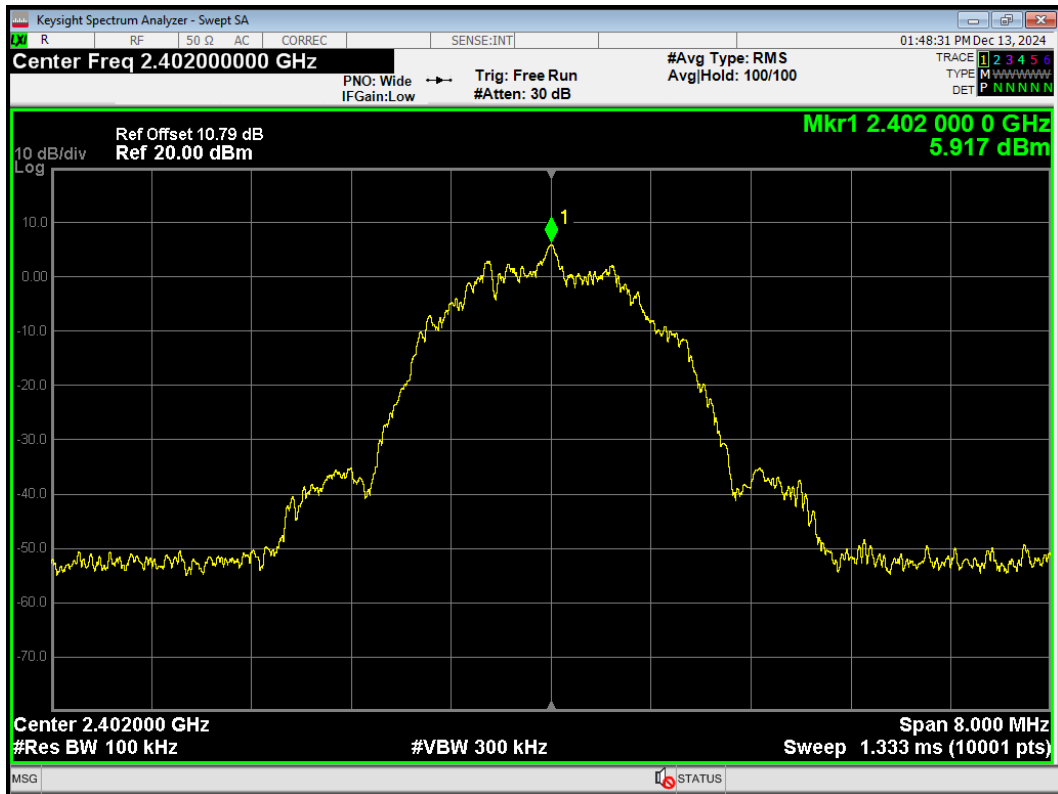
Band Edge Bluetooth LE (1M) 2480MHz Ref



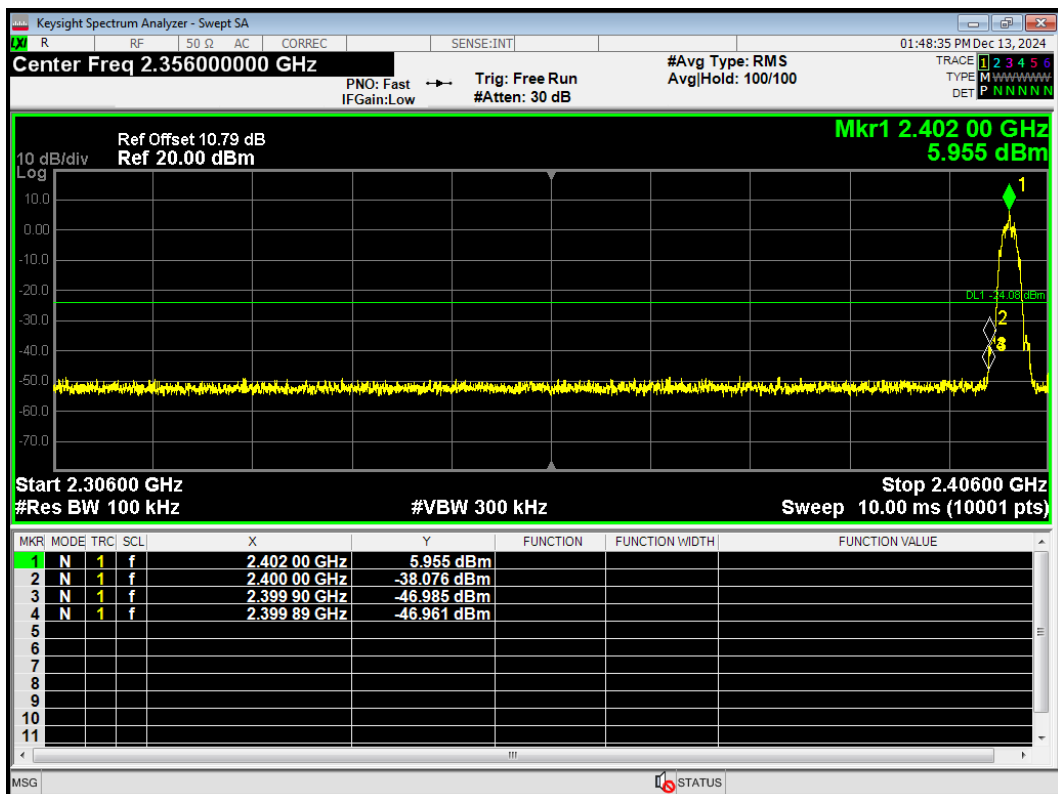
Band Edge Bluetooth LE (1M) 2480MHz Emission



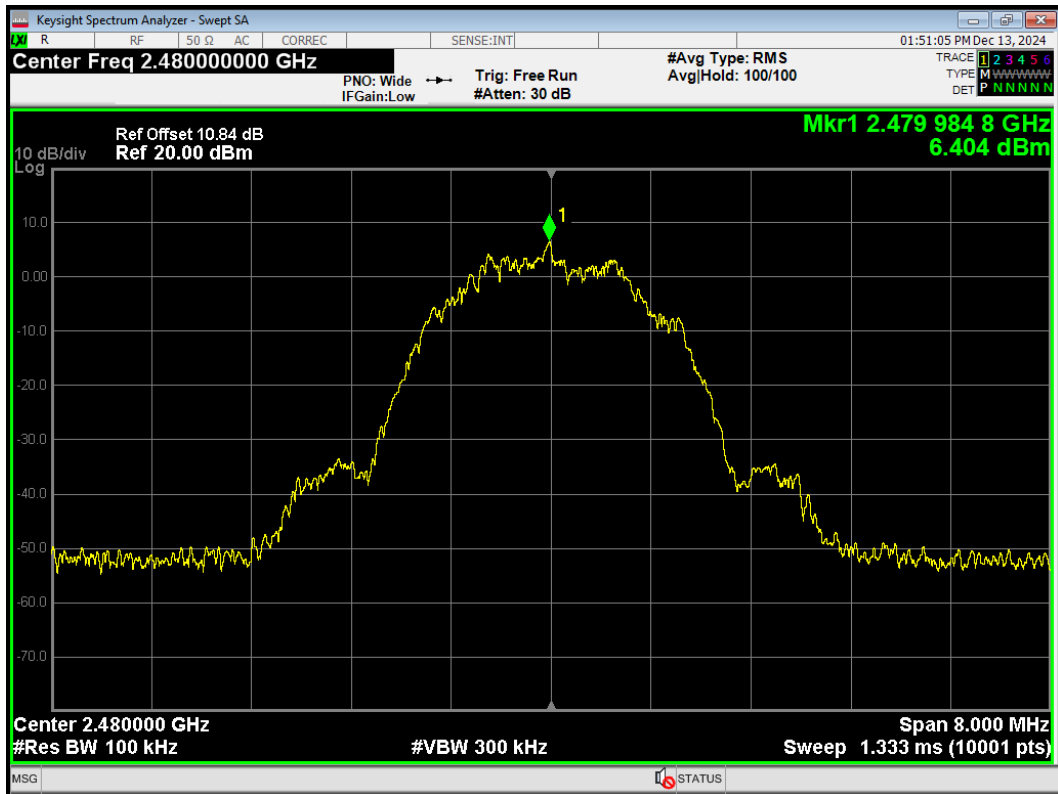
Band Edge Bluetooth LE (2M) 2402MHz Ref



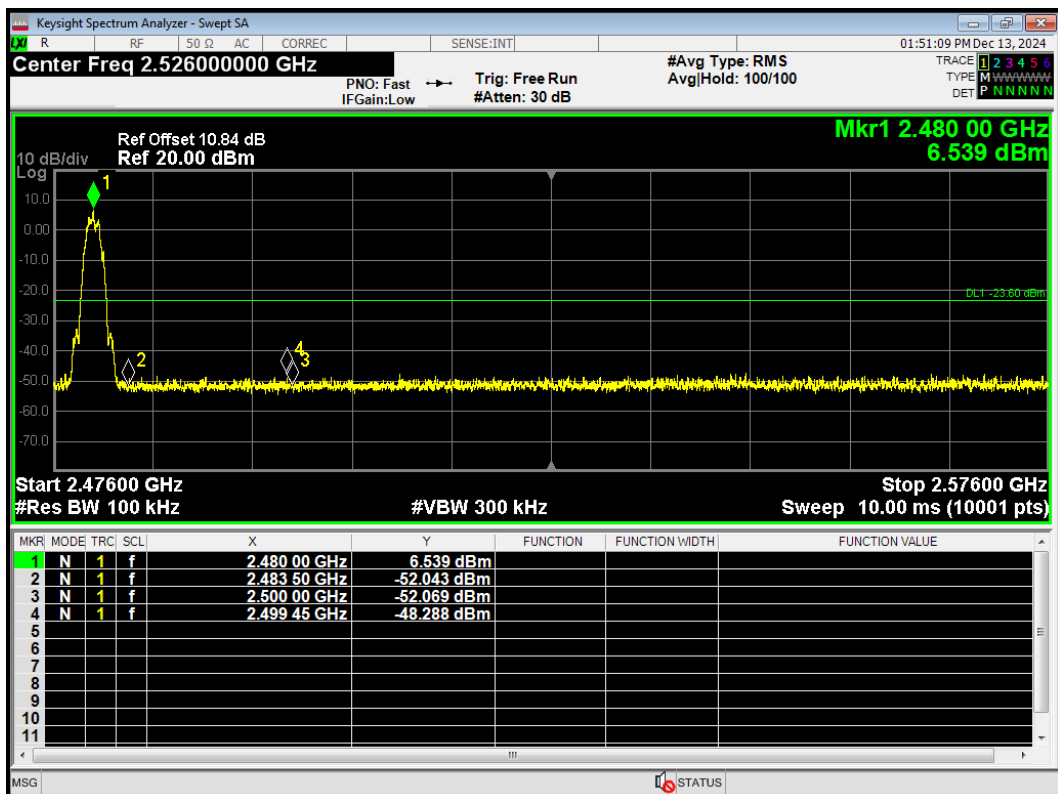
Band Edge Bluetooth LE (2M) 2402MHz Emission



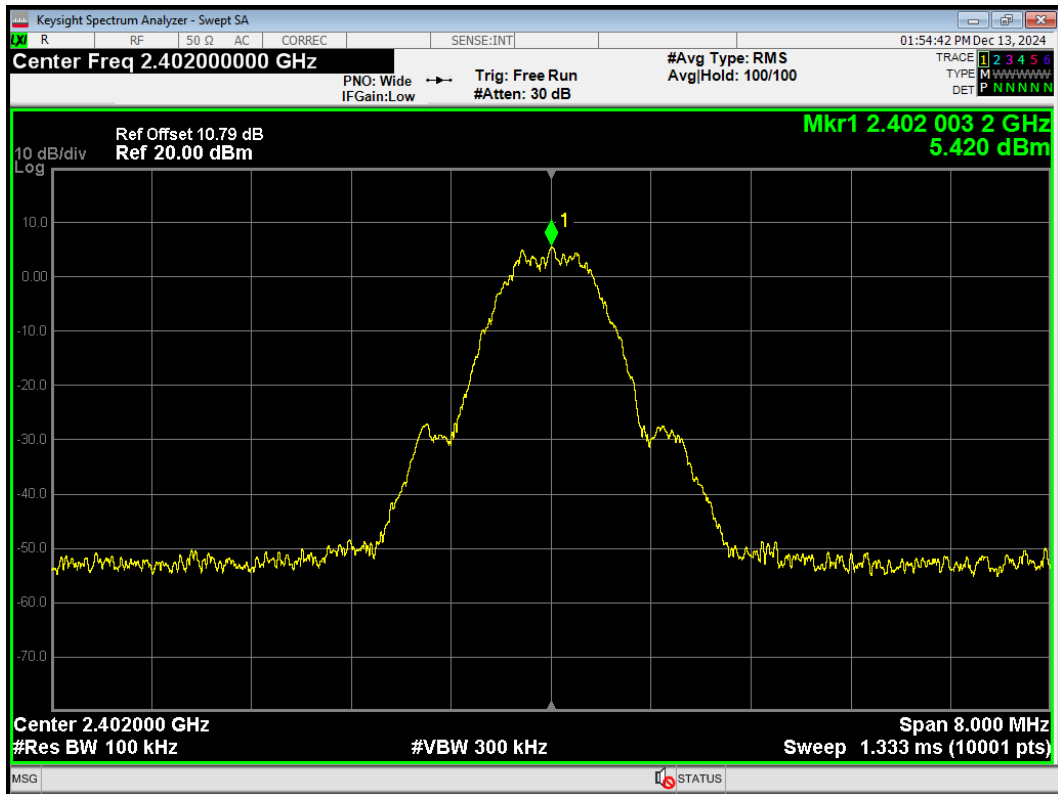
Band Edge Bluetooth LE (2M) 2480MHz Ref



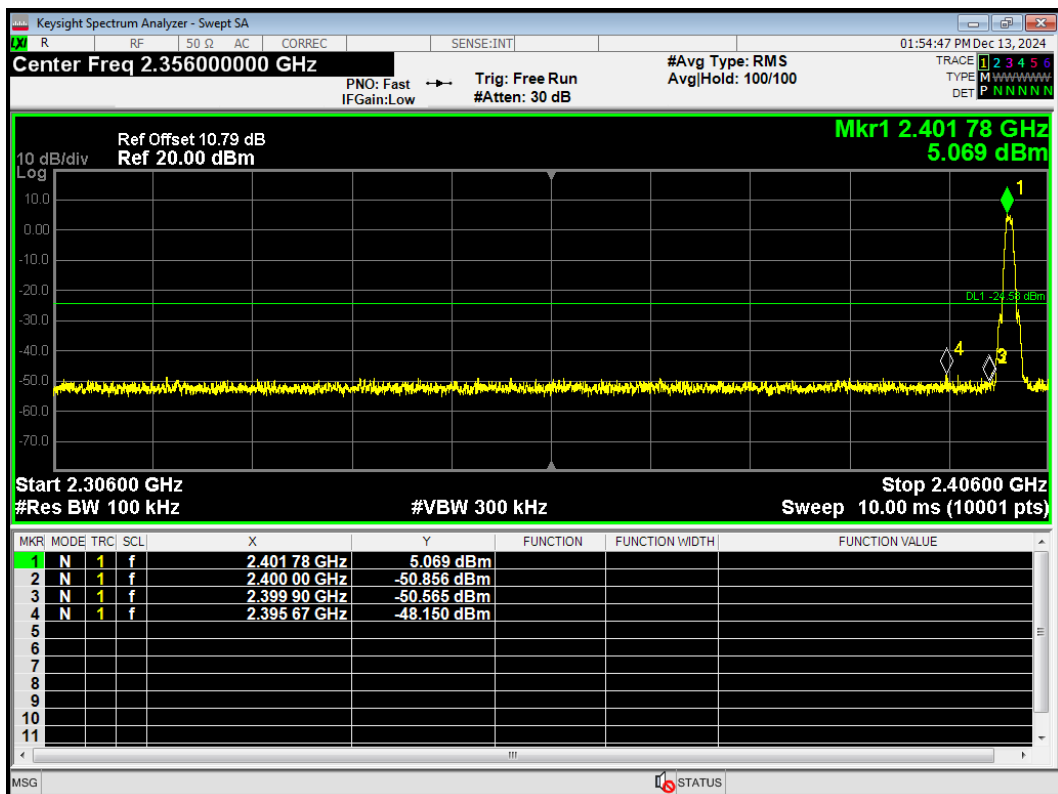
Band Edge Bluetooth LE (2M) 2480MHz Emission



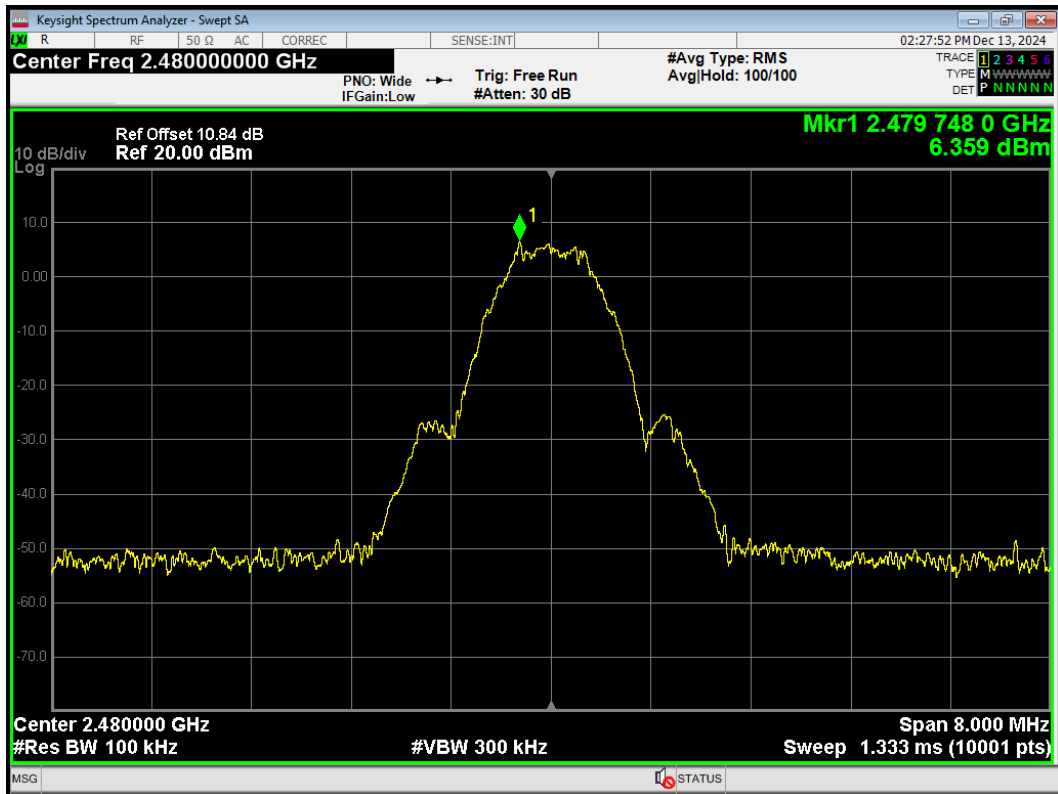
Band Edge Bluetooth LE (S=2) 2402MHz Ref



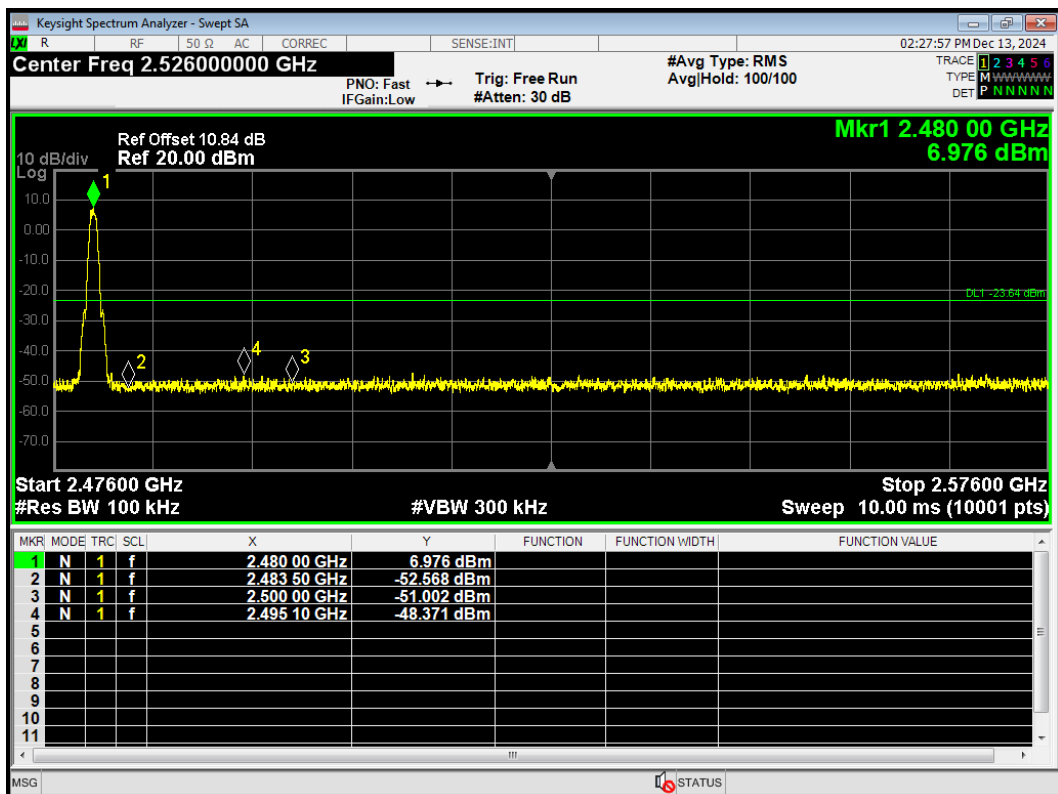
Band Edge Bluetooth LE (S=2) 2402MHz Emission



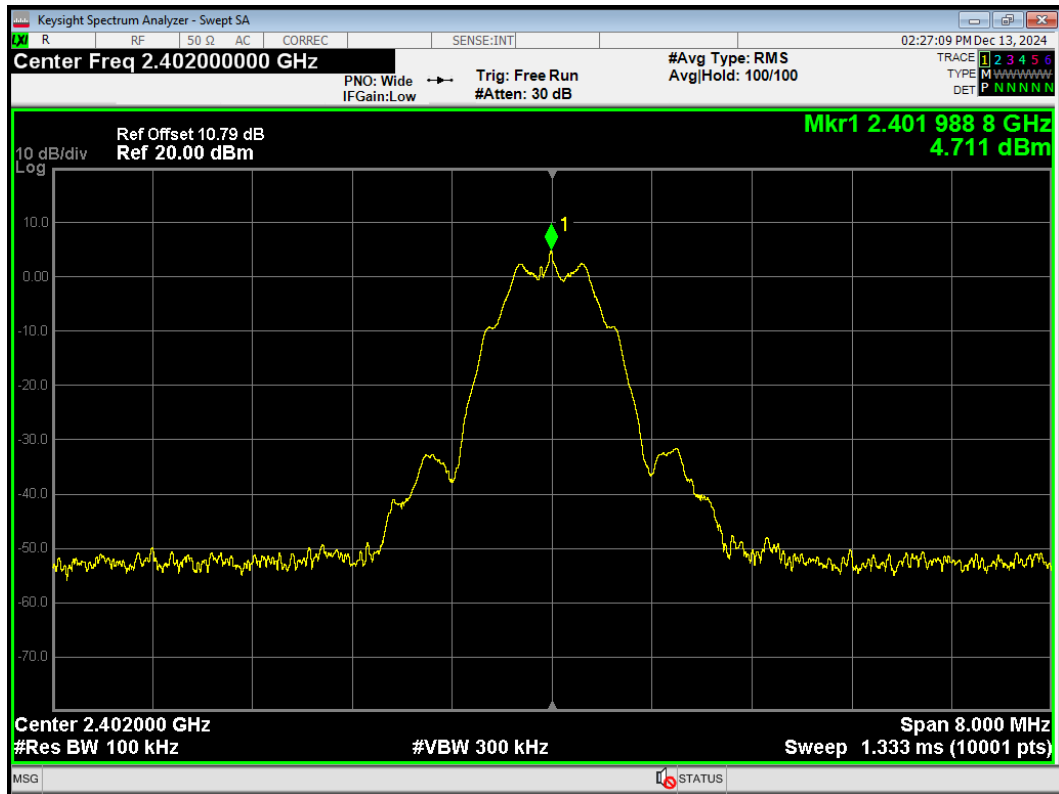
Band Edge Bluetooth LE (S=2) 2480MHz Ref



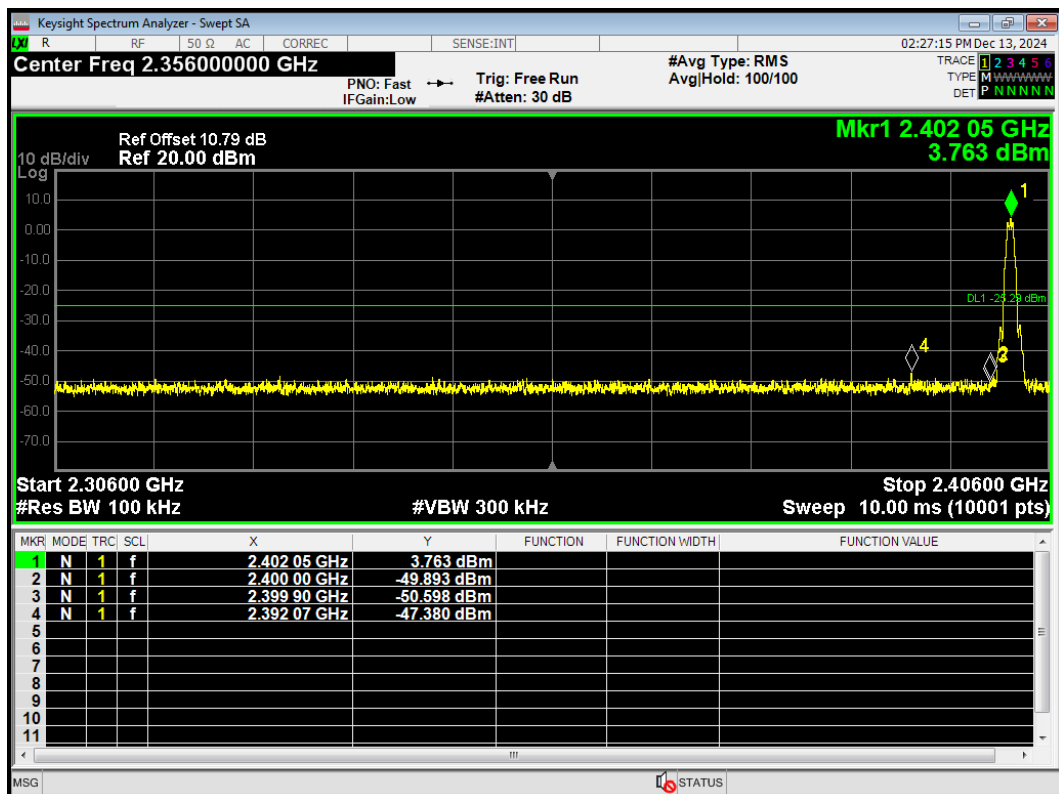
Band Edge Bluetooth LE (S=2) 2480MHz Emission



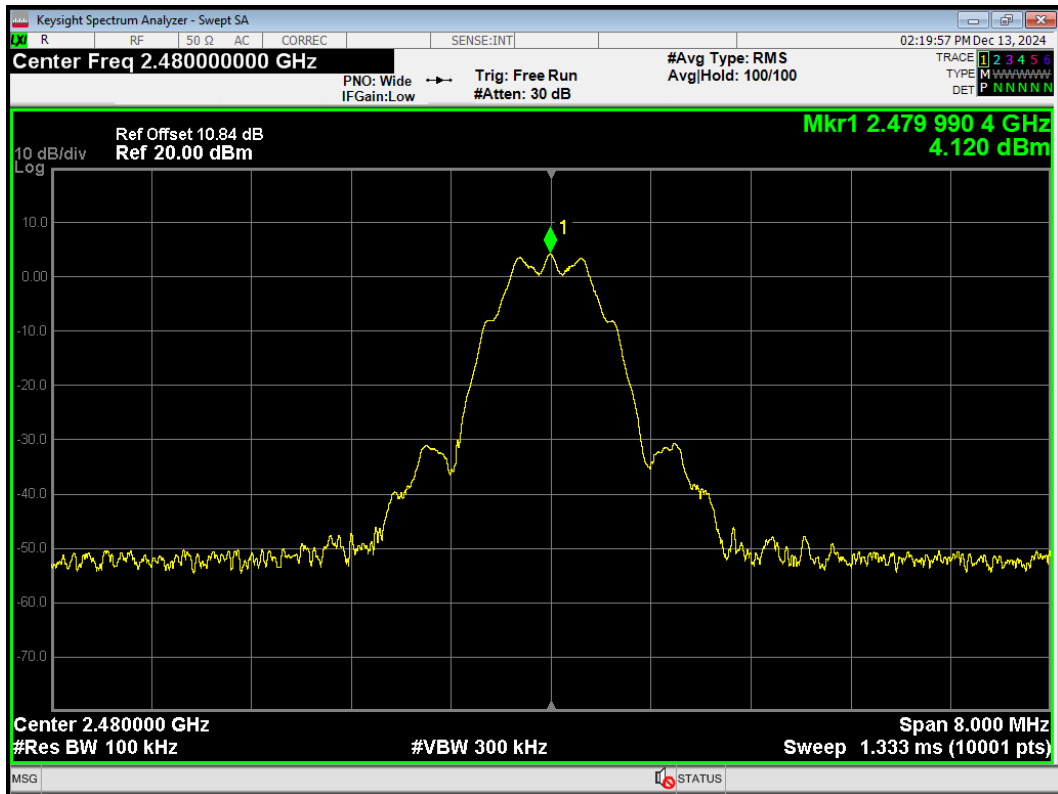
Band Edge Bluetooth LE (S=8) 2402MHz Ref



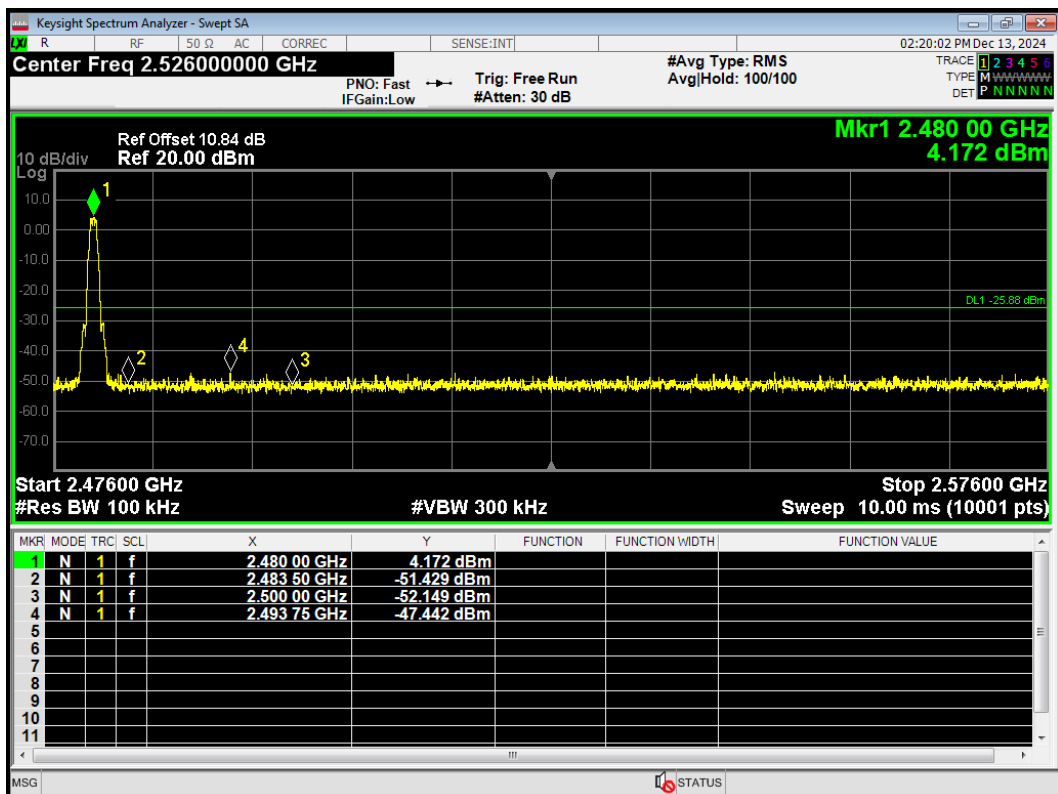
Band Edge Bluetooth LE (S=8) 2402MHz Emission



Band Edge Bluetooth LE (S=8) 2480MHz Ref



Band Edge Bluetooth LE (S=8) 2480MHz Emission



802.11b_2412



802.11b_2462



802.11g_2412



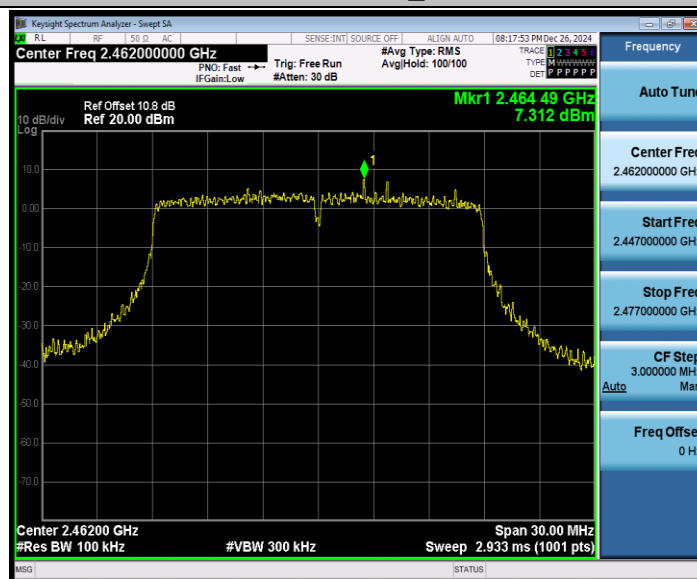
802.11g_2462



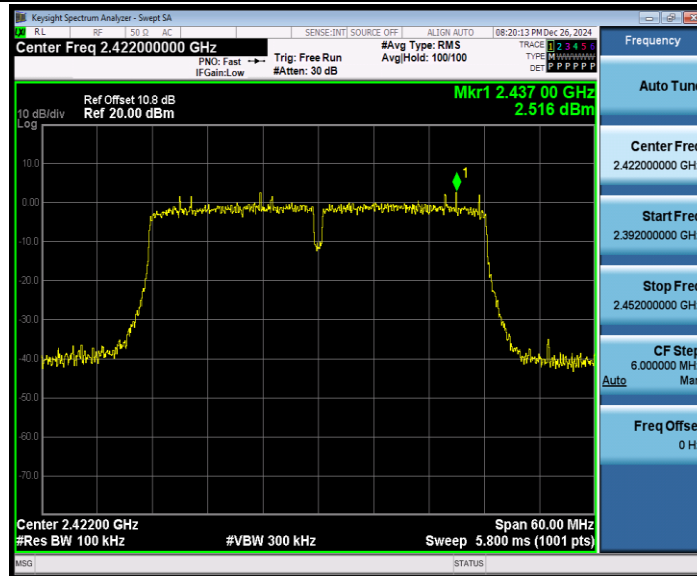
802.11n HT20_2412



802.11n HT20_2462



802.11n HT40_2422



802.11n HT40_2452



802.11ax HE20_2412



802.11ax HE20_2462



802.11ax HE40_2422



802.11ax HE40_2452

