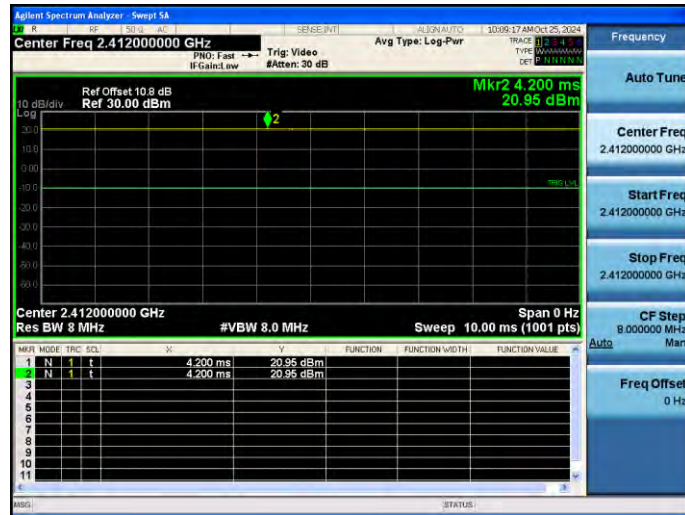


Appendix B. Test Plots

Duty cycle

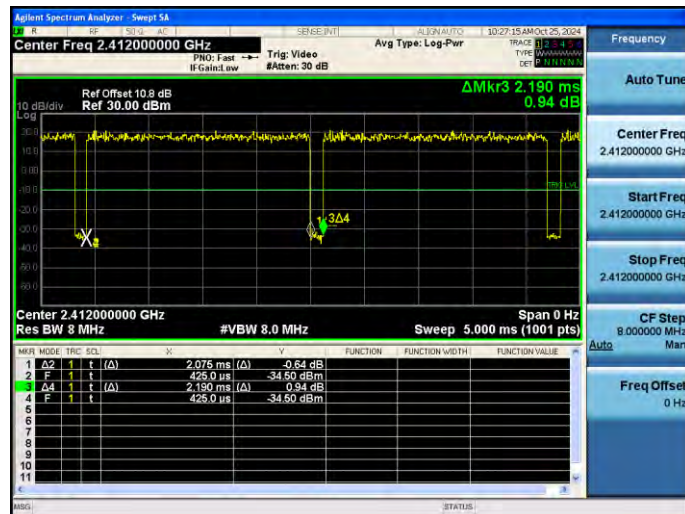
802.11b

On+off time



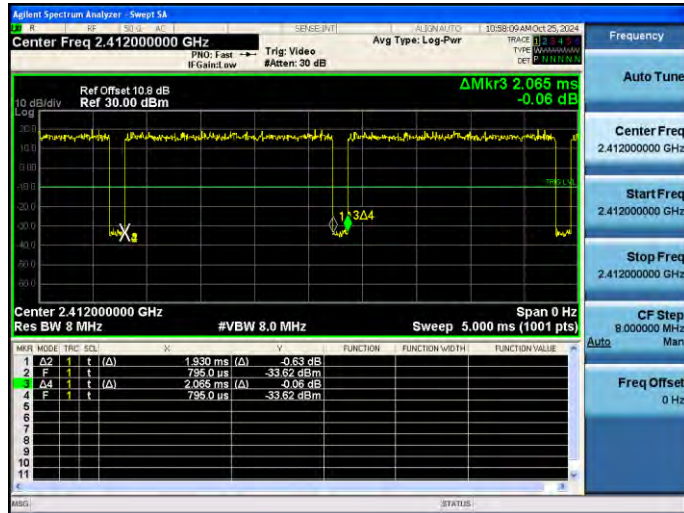
802.11g

On+off time



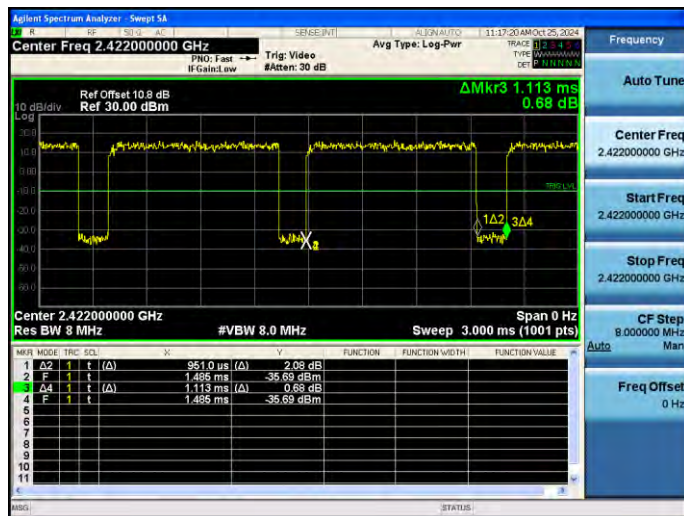
802.11n HT20

On+off time



802.11n HT40

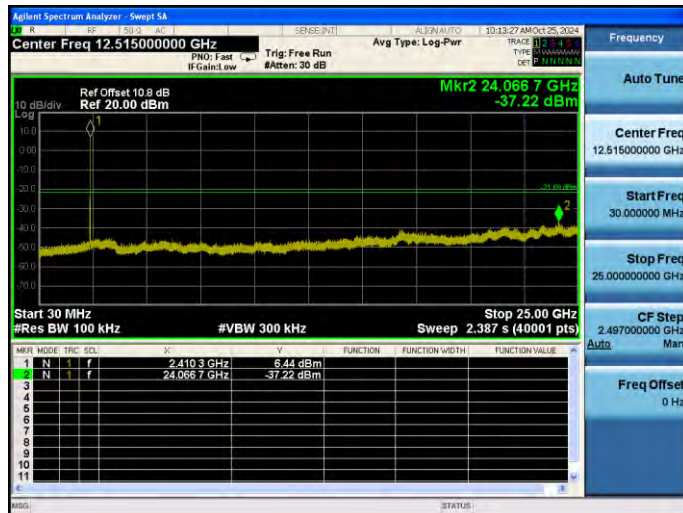
On+off time



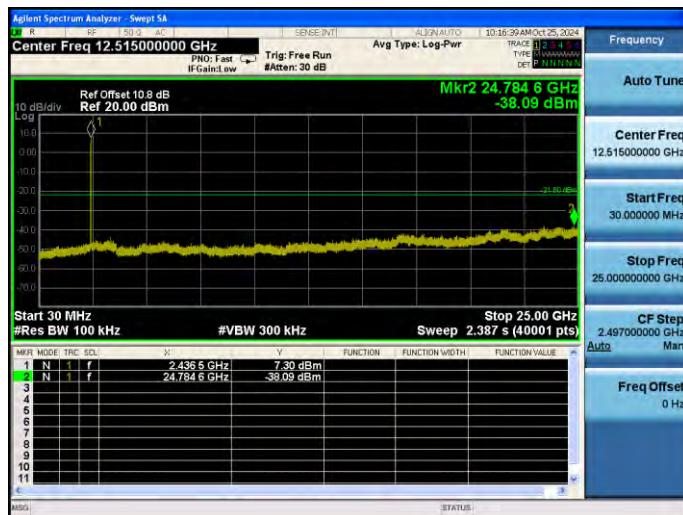
Out of Band Conducted Spurious Emission

802.11b_ANT-0

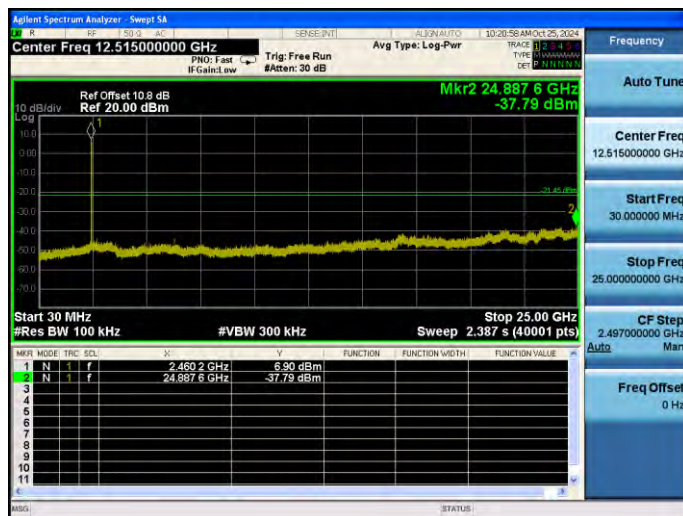
2412 MHz



2437 MHz

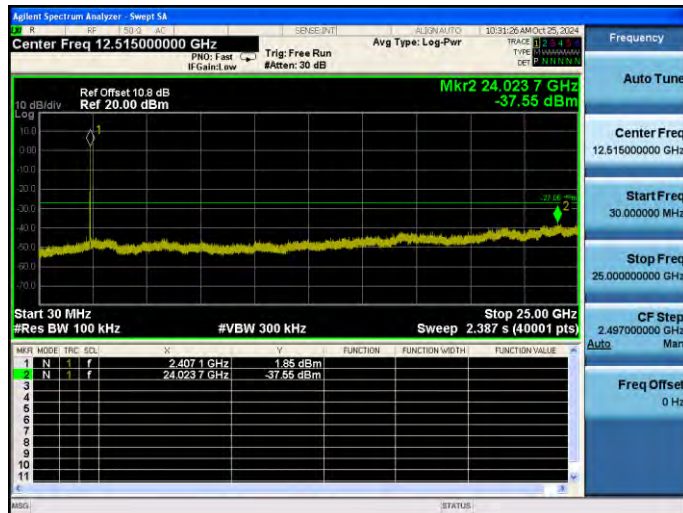


2462 MHz

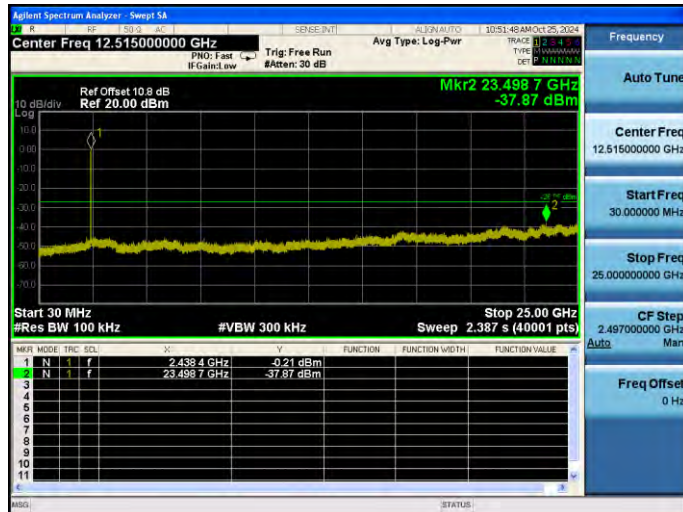


802.11g_ANT-0

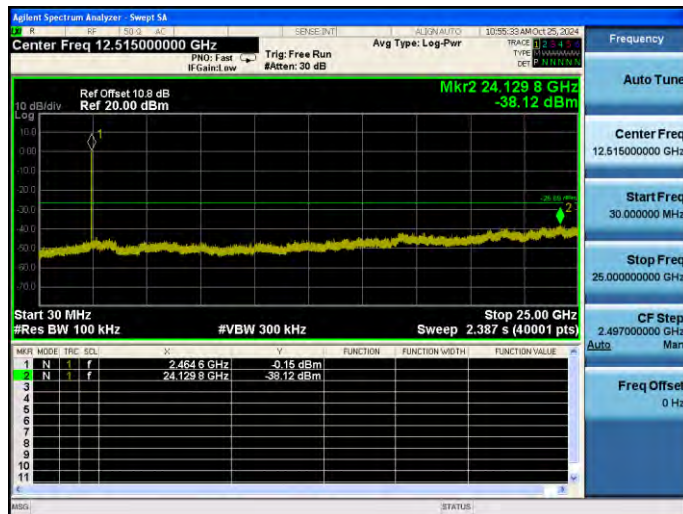
2412 MHz



2437 MHz

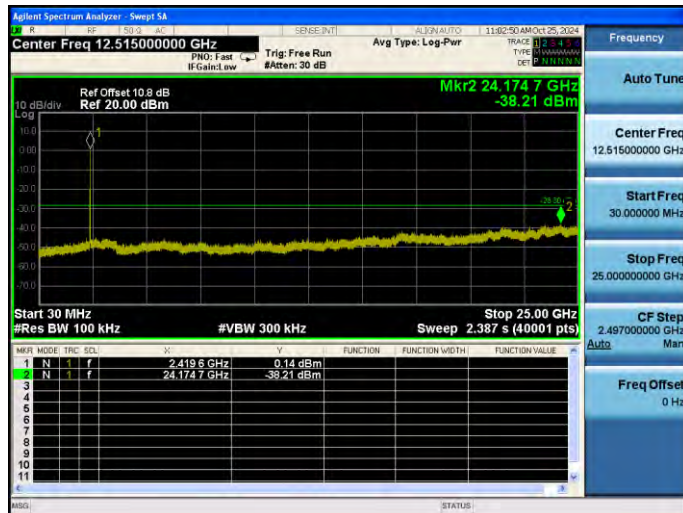


2462 MHz

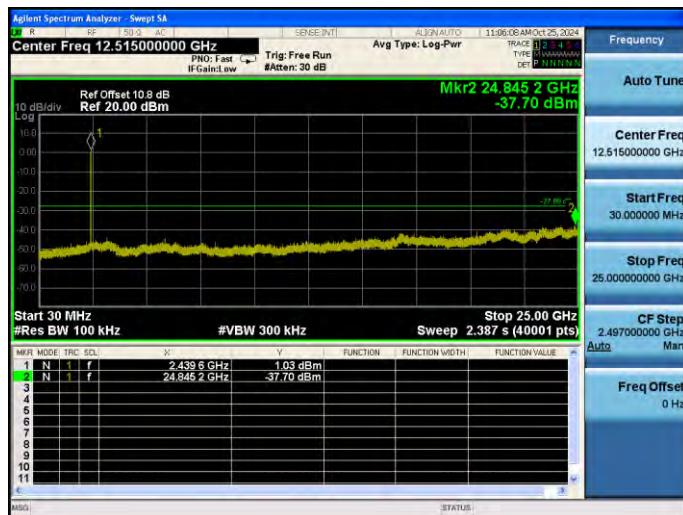


802.11n HT20_ANT-0

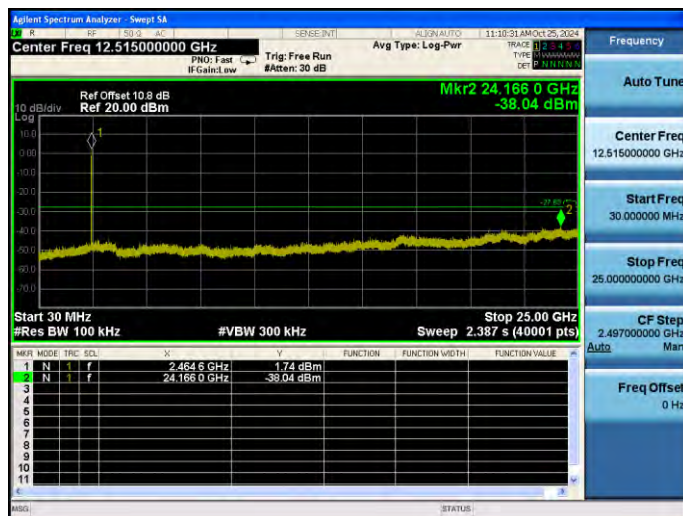
2412 MHz



2437 MHz

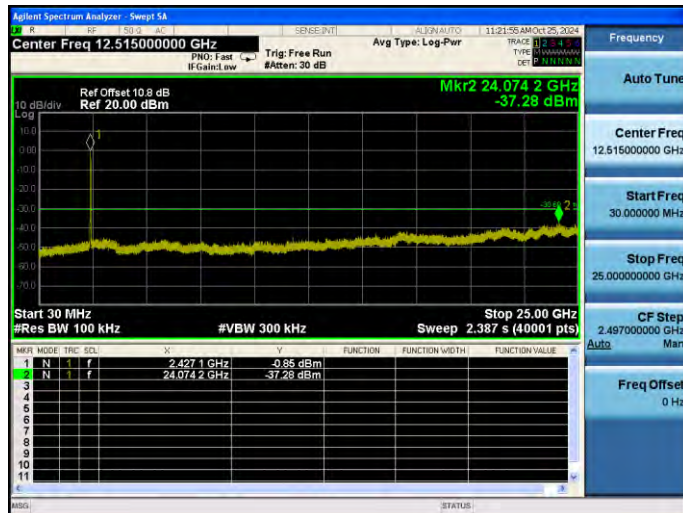


2462 MHz

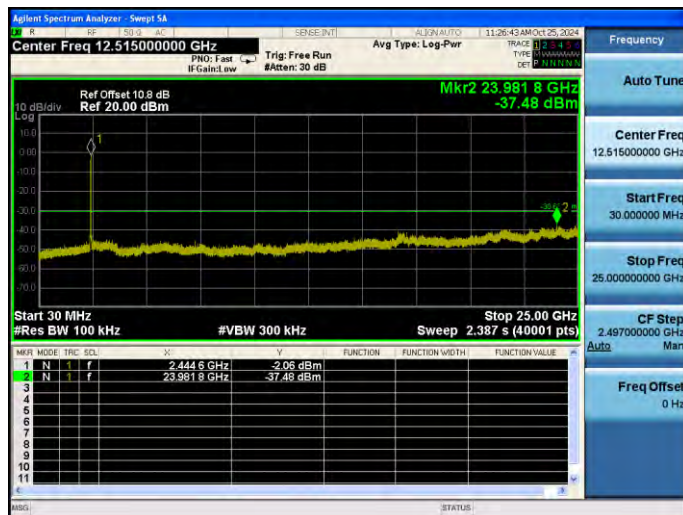


802.11n HT40_ANT-0

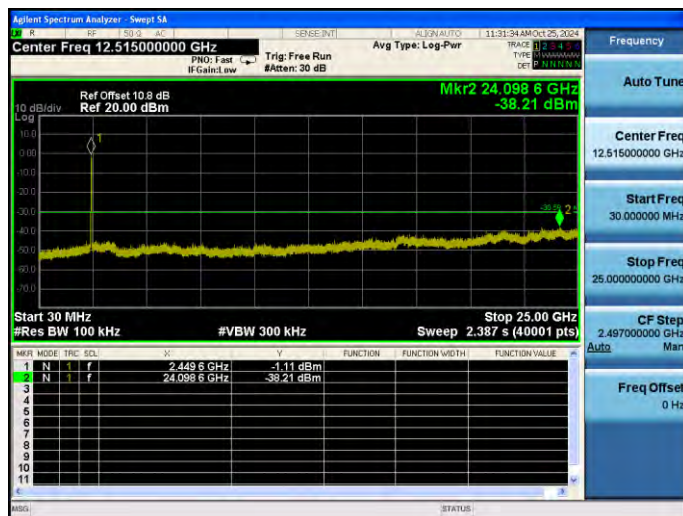
2422 MHz



2437 MHz



2452 MHz



Reference level

802.11b_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11g_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11n HT20_ANT-0

2412 MHz



2437 MHz



2462 MHz



802.11n HT40_ANT-0

2422 MHz



2437 MHz



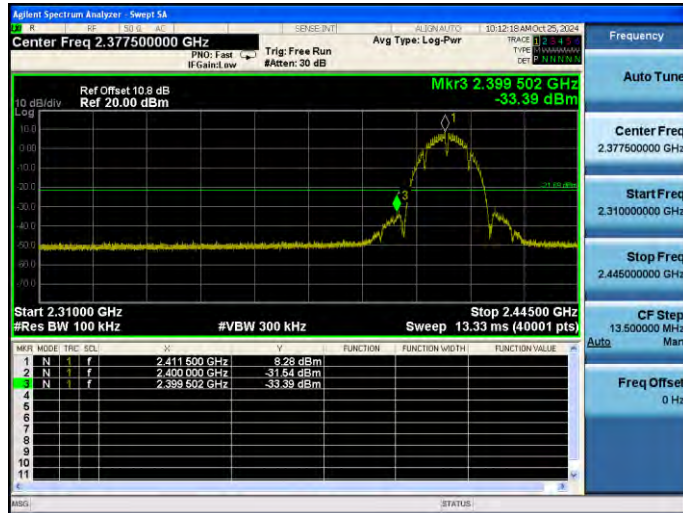
2452 MHz



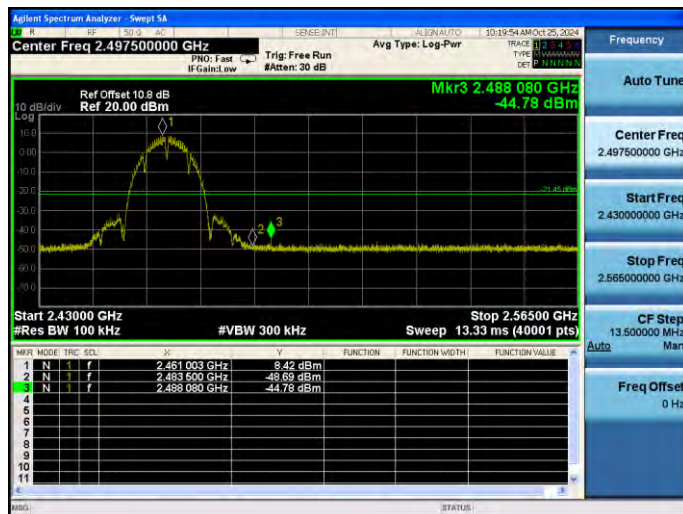
Conducted Band Edge

802.11b_ANT-0

2412 MHz

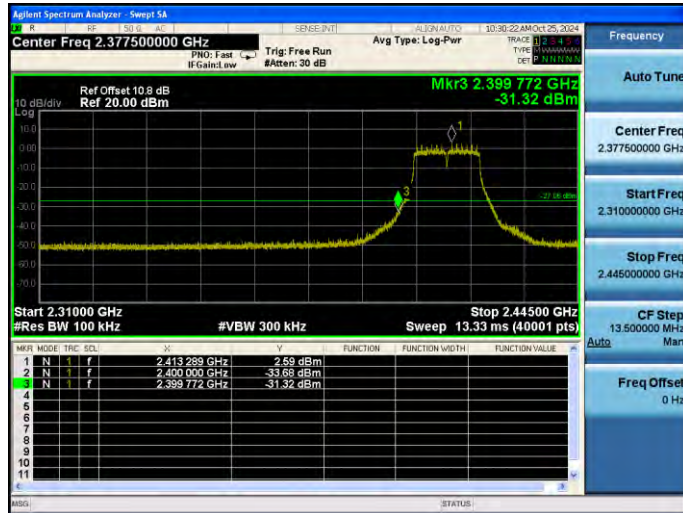


2462 MHz

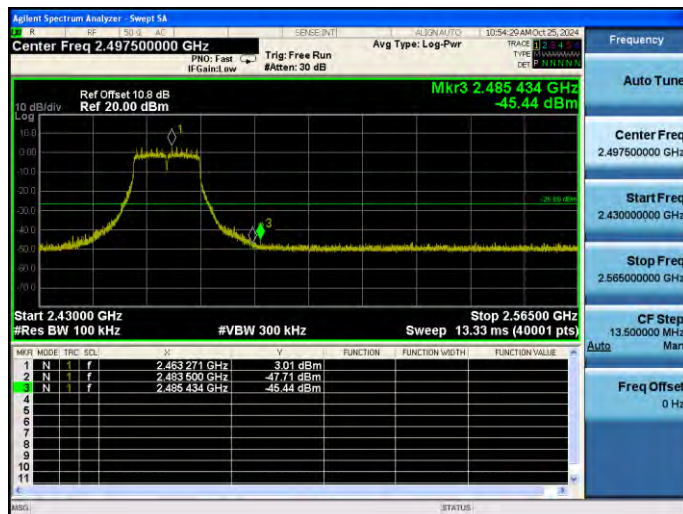


802.11g_ANT-0

2412 MHz

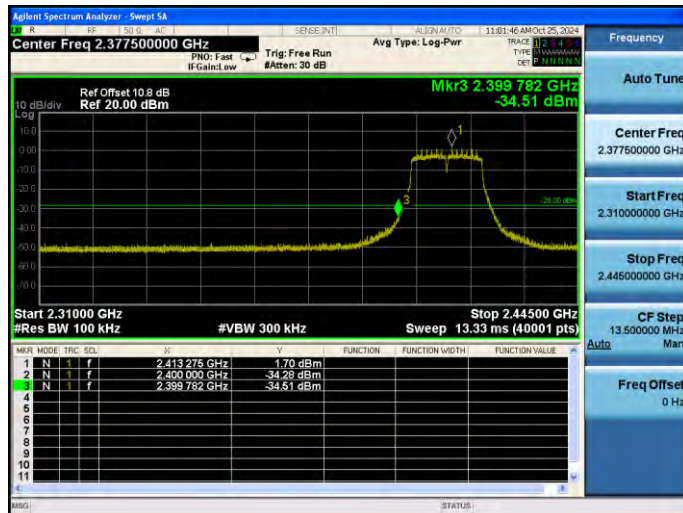


2462 MHz

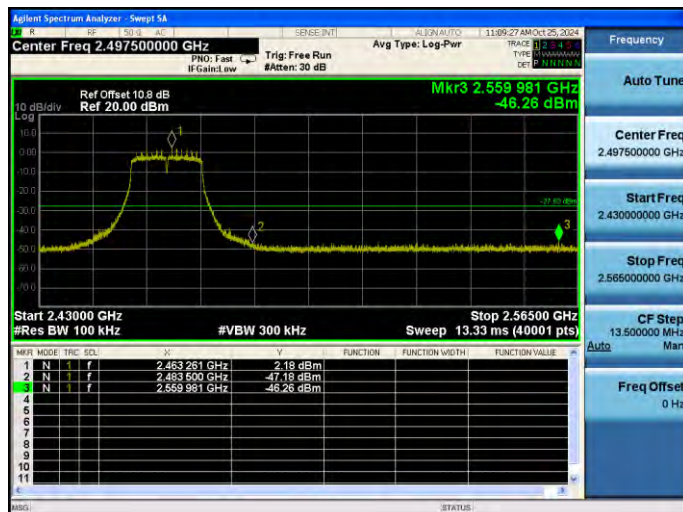


802.11n HT20_ANT-0

2412 MHz

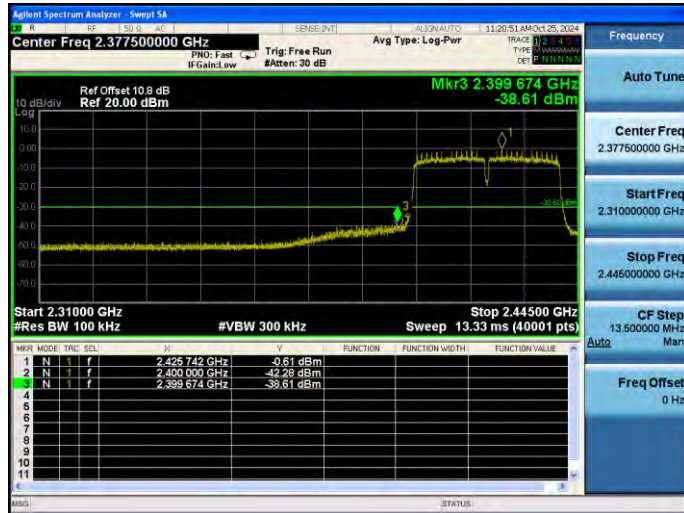


2462 MHz



802.11n HT40_ANT-0

2422 MHz



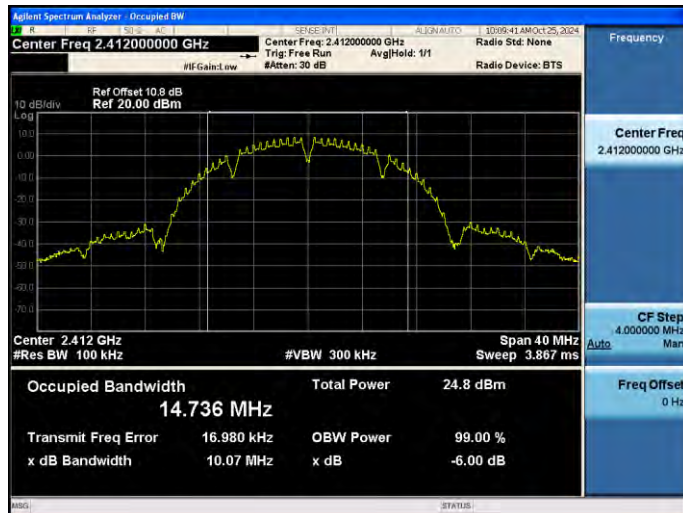
2452 MHz



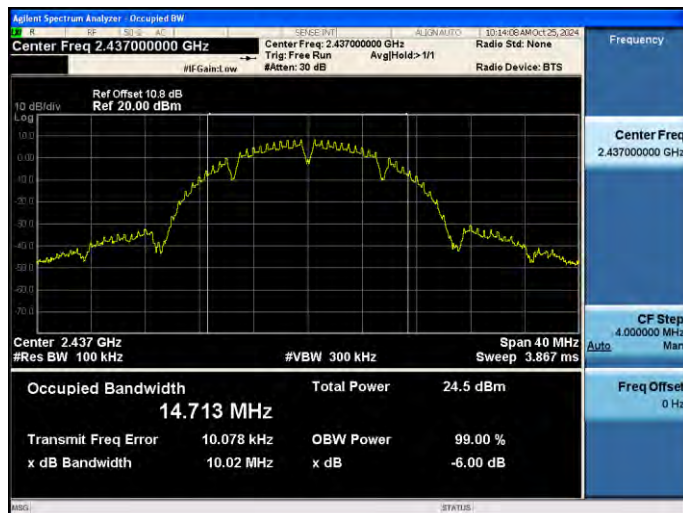
6 dB Bandwidth

802.11b_ANT-0

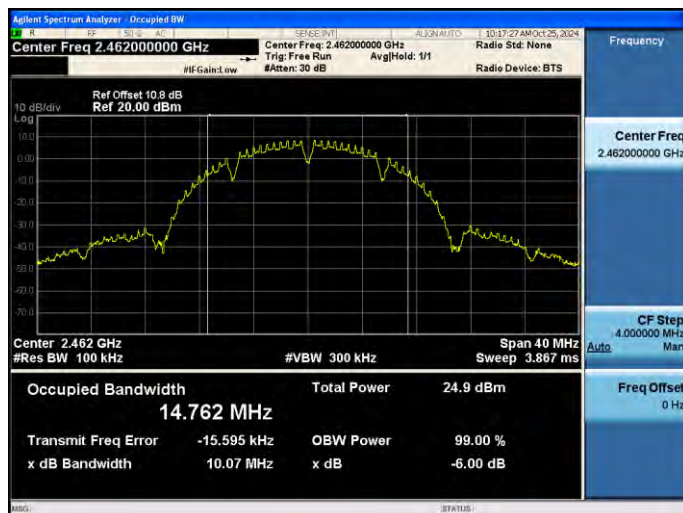
2412 MHz



2437 MHz

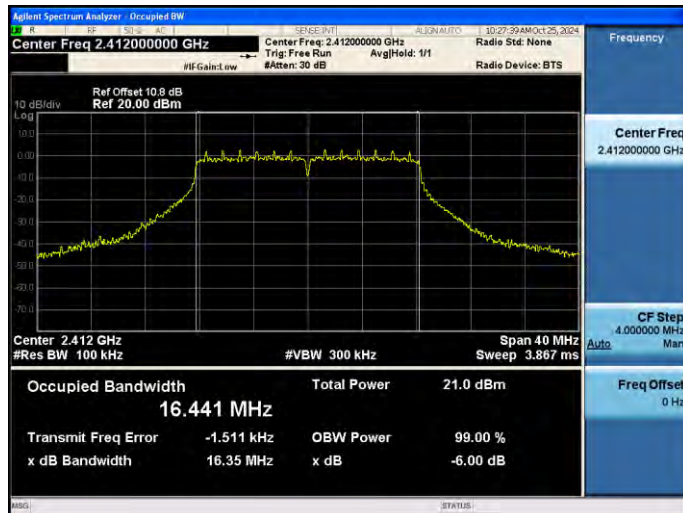


2462 MHz

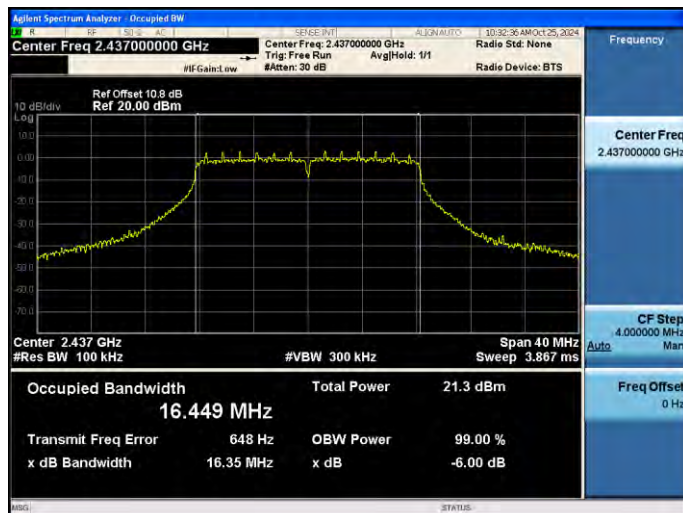


802.11g_ANT-0

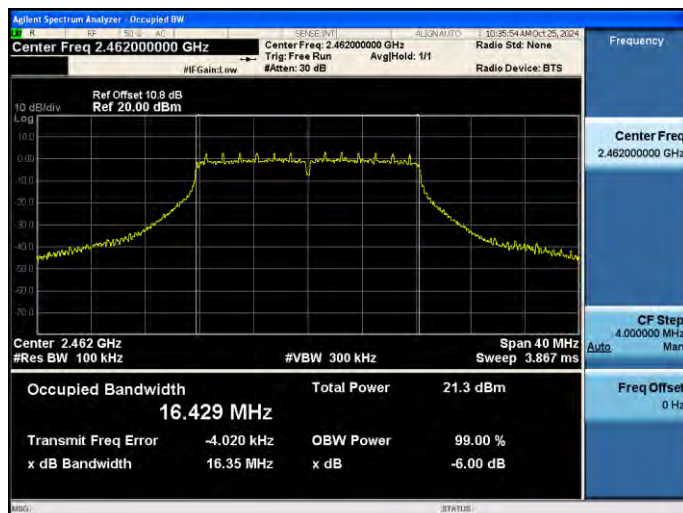
2412 MHz



2437 MHz

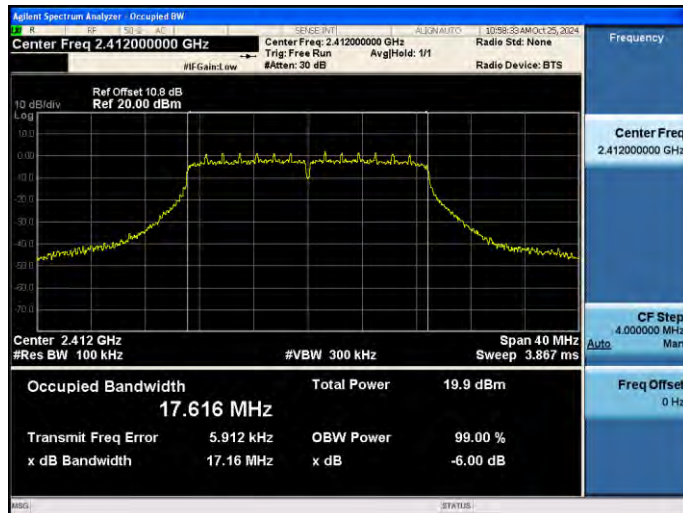


2462 MHz

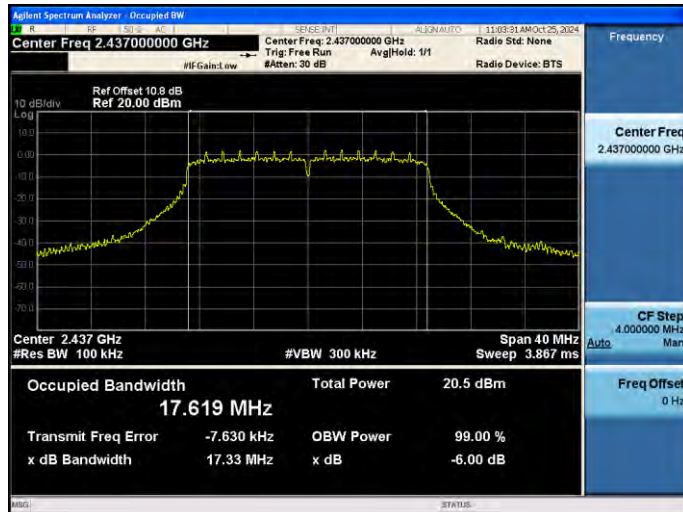


802.11n HT20_ANT-0

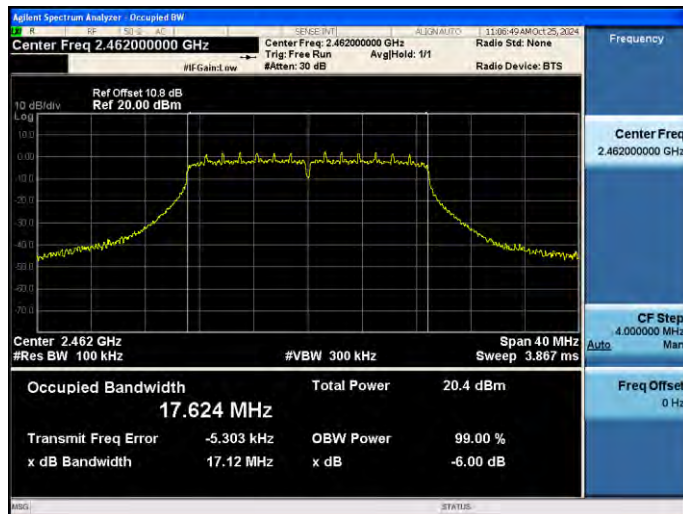
2412 MHz



2437 MHz

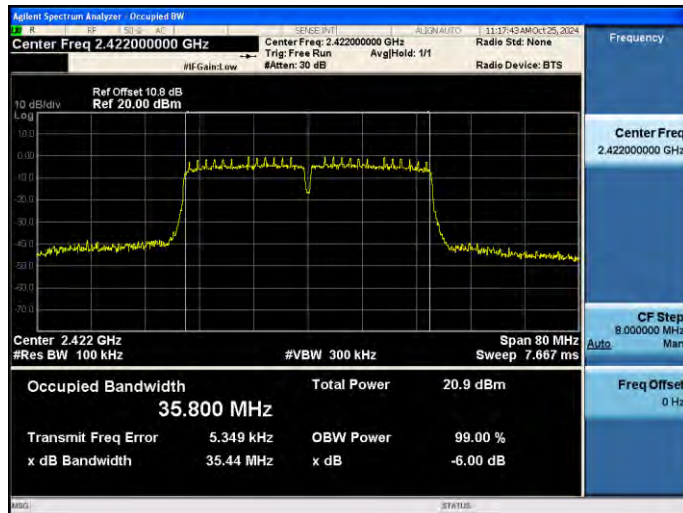


2462 MHz

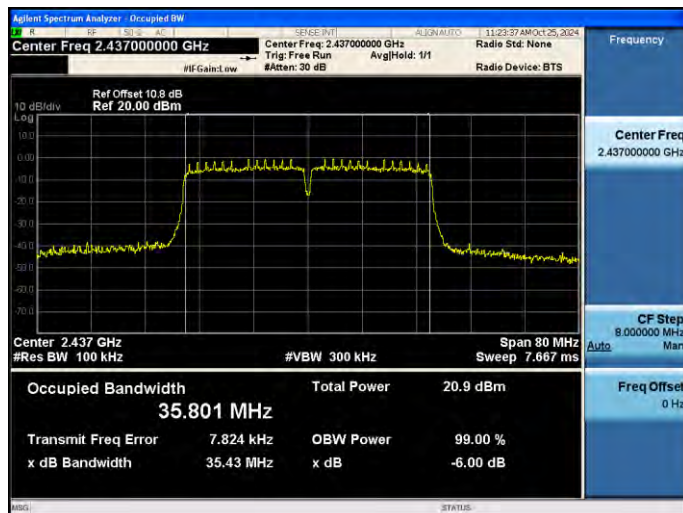


802.11n HT40_ANT-0

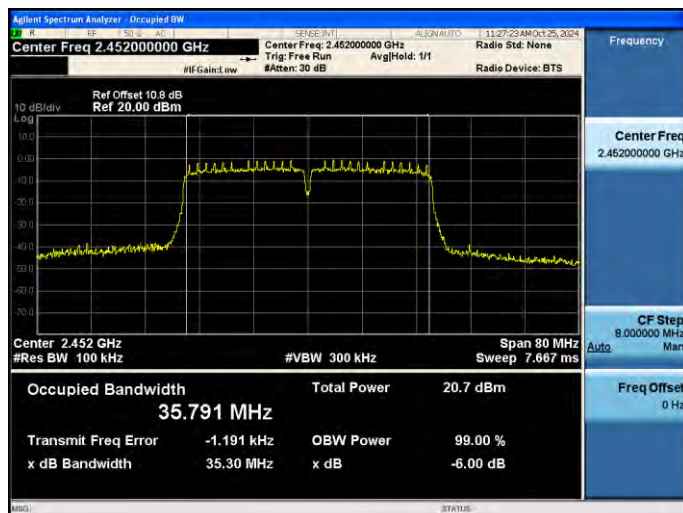
2422 MHz



2437 MHz



2452 MHz

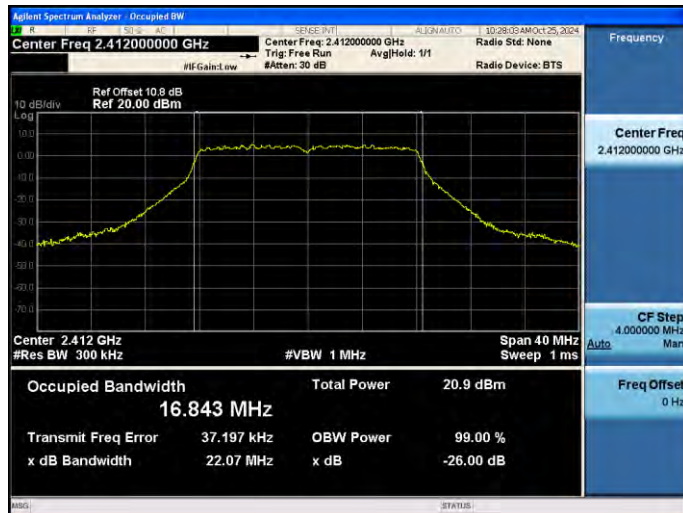


99% Occupied Bandwidth

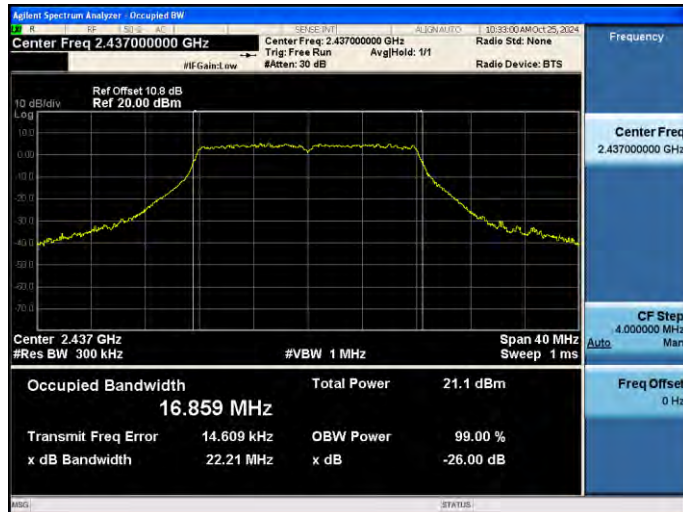
802.11b_ANT-0	
2412 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.412000000 GHz Ref Offset 10.0 dB Ref 20.00 dBm Center 2.412 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 14.786 MHz Total Power 21.1 dBm Transmit Freq Error 9.863 kHz OBW Power 99.00 % x dB Bandwidth 18.37 MHz x dB -26.00 dB
2437 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.437000000 GHz Ref Offset 10.0 dB Ref 20.00 dBm Center 2.437 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 14.777 MHz Total Power 20.8 dBm Transmit Freq Error 6.546 kHz OBW Power 99.00 % x dB Bandwidth 18.38 MHz x dB -26.00 dB
2462 MHz	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.462000000 GHz Ref Offset 10.0 dB Ref 20.00 dBm Center 2.462 GHz #Res BW 300 kHz #VBW 1 MHz Span 40 MHz Sweep 1 ms Occupied Bandwidth 14.800 MHz Total Power 21.2 dBm Transmit Freq Error -13.916 kHz OBW Power 99.00 % x dB Bandwidth 18.47 MHz x dB -26.00 dB

802.11g_ANT-0

2412 MHz



2437 MHz

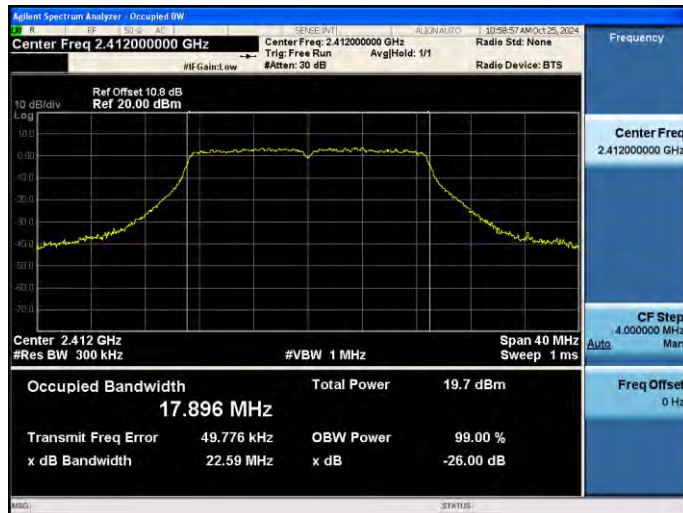


2462 MHz

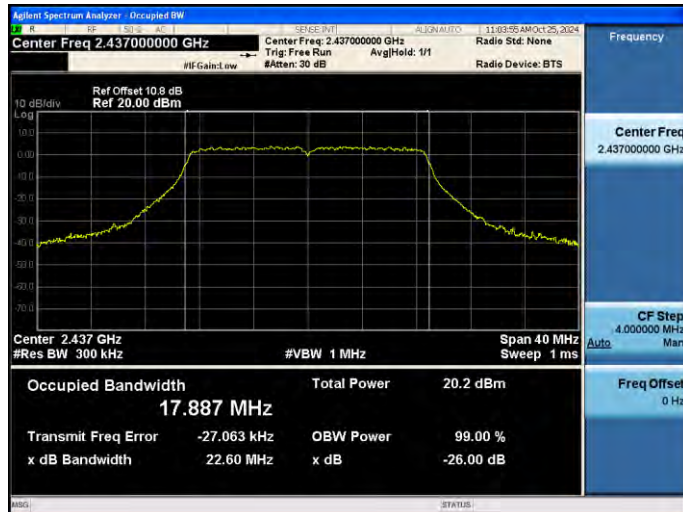


802.11n HT20_ANT-0

2412 MHz



2437 MHz

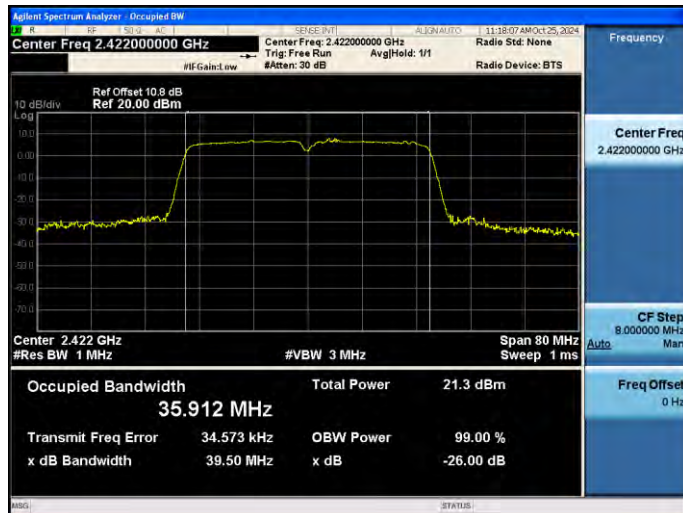


2462 MHz

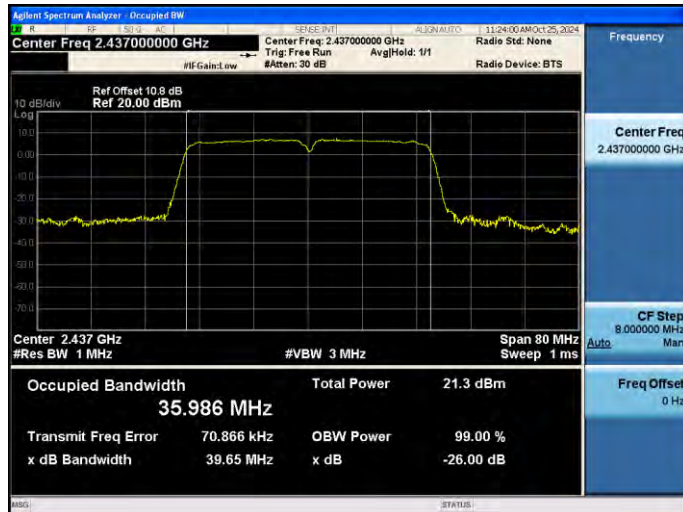


802.11n HT40_ANT-0

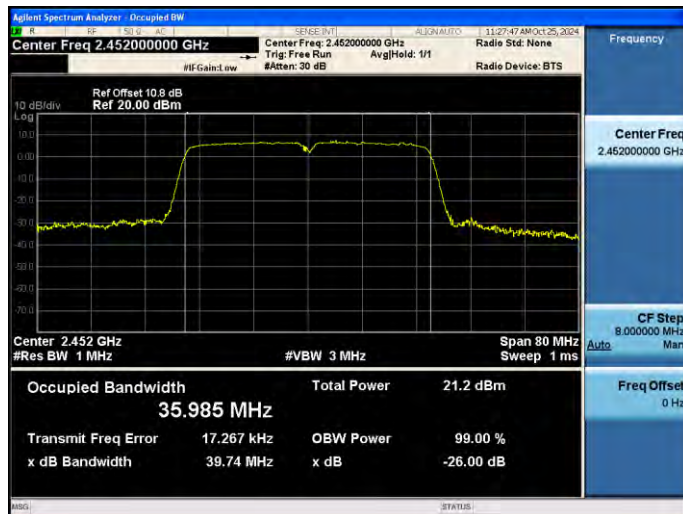
2422 MHz



2437 MHz



2452 MHz



Maximum Power Spectral Density

802.11b_ANT-0

2412 MHz



2437 MHz

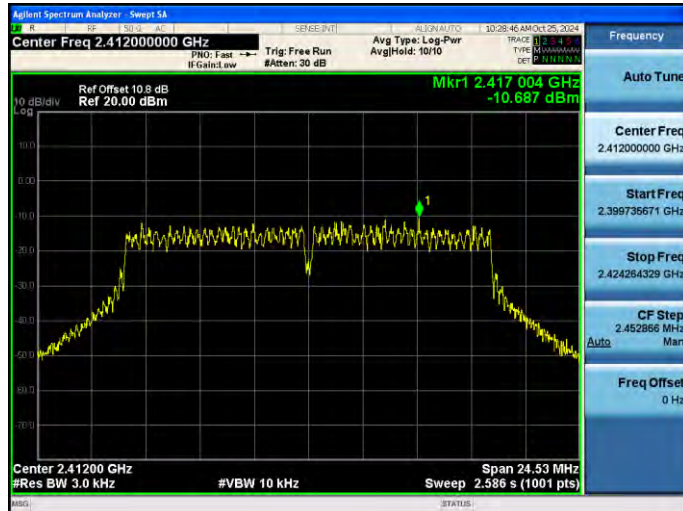


2462 MHz

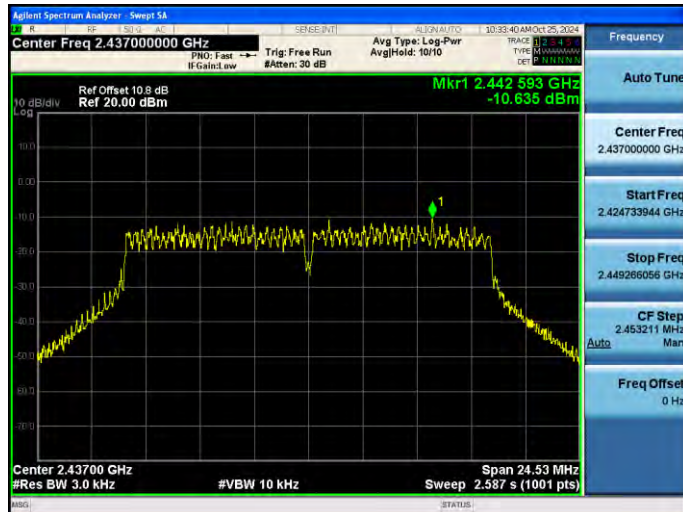


802.11g_ANT-0

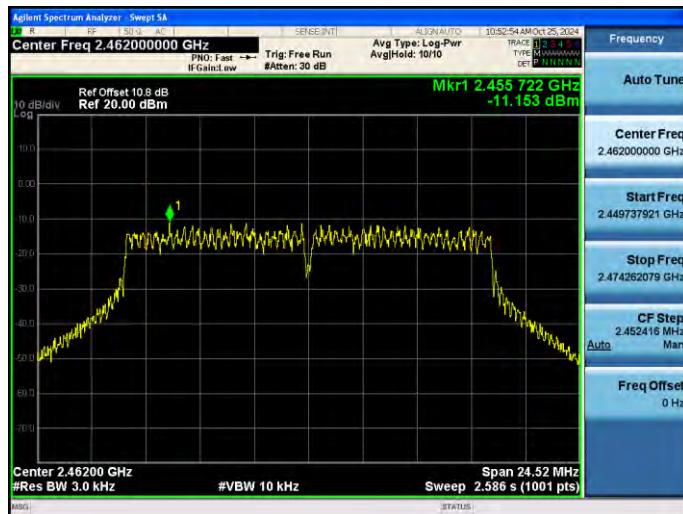
2412 MHz



2437 MHz

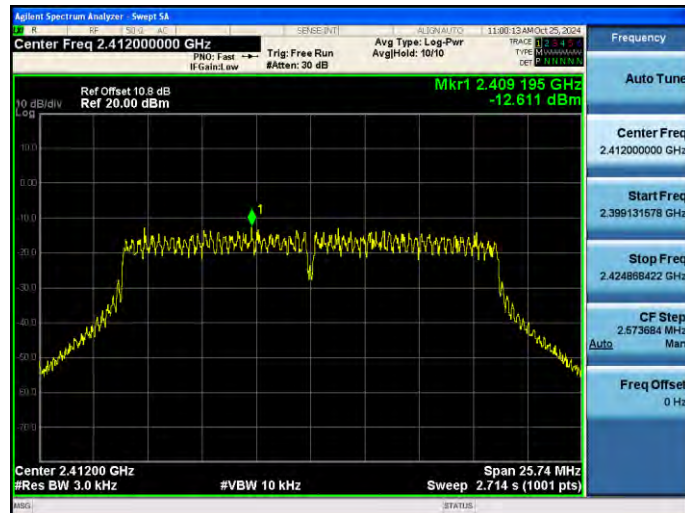


2462 MHz

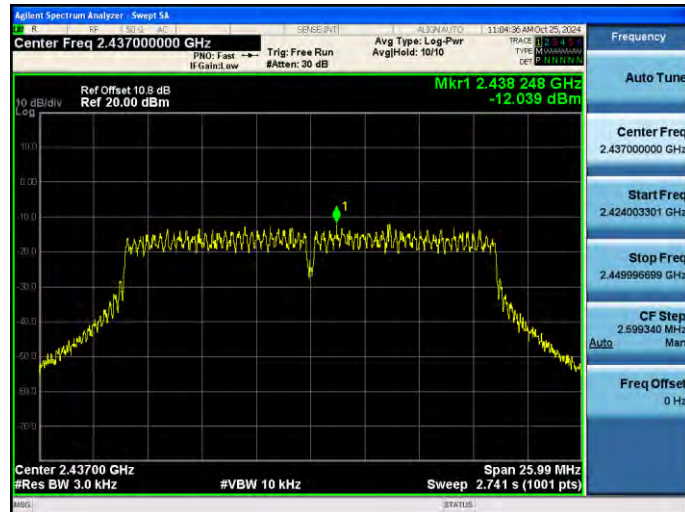


802.11n HT20_ANT-0

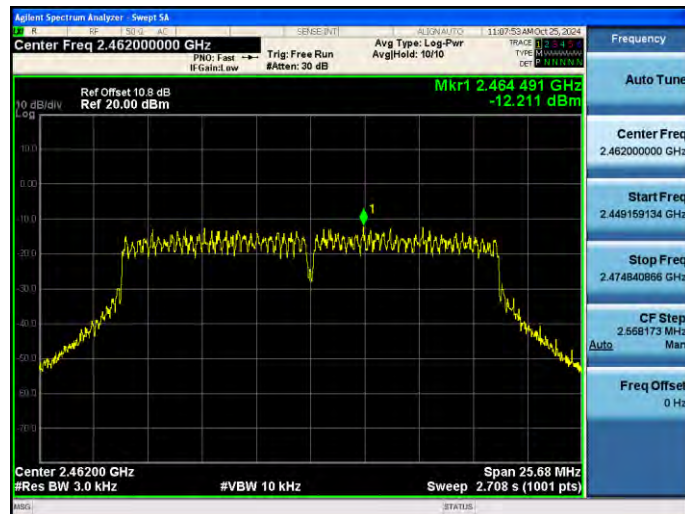
2412 MHz



2437 MHz

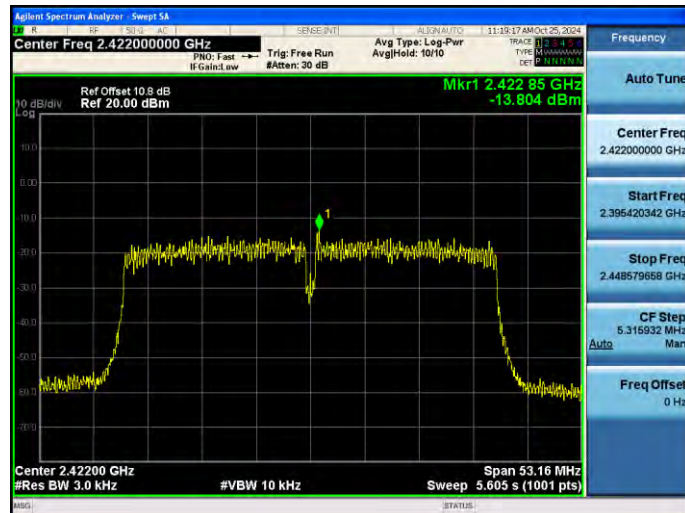


2462 MHz

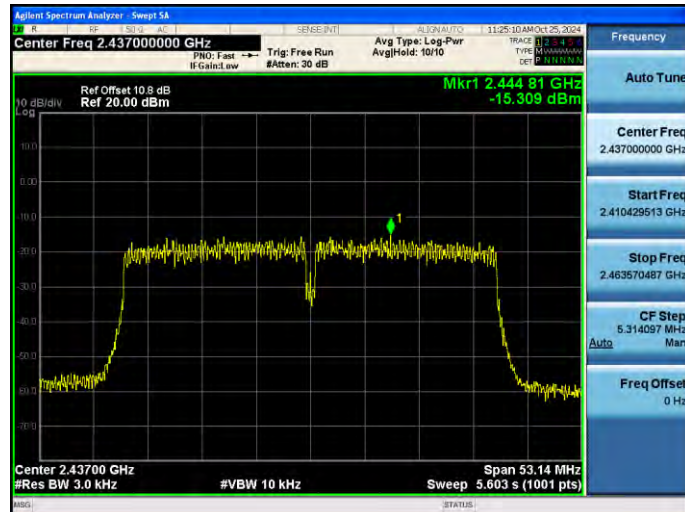


802.11n HT40_ANT-0

2422 MHz



2437 MHz



2452 MHz

