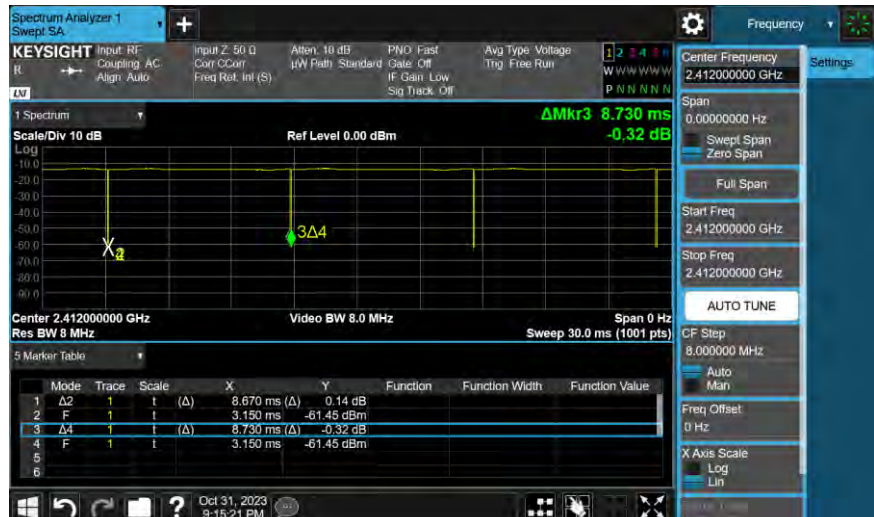


Appendix B. Test Plots

Duty cycle

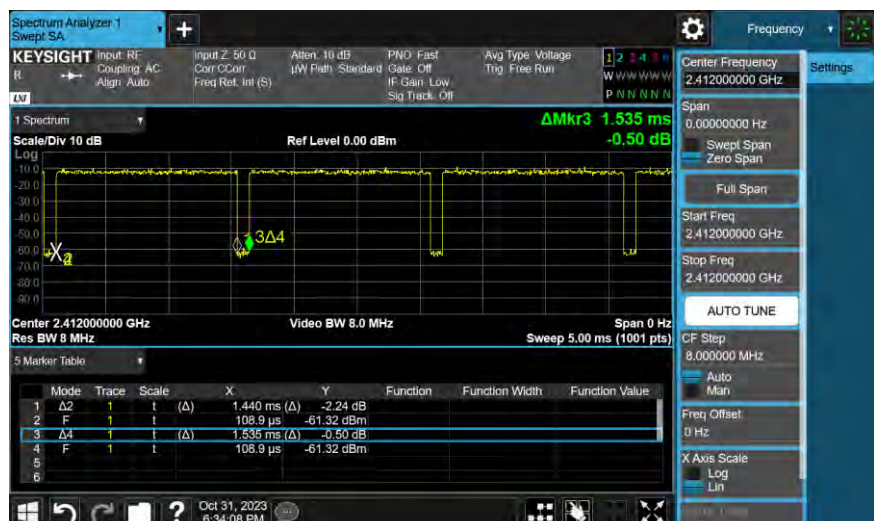
802.11b

On+off time



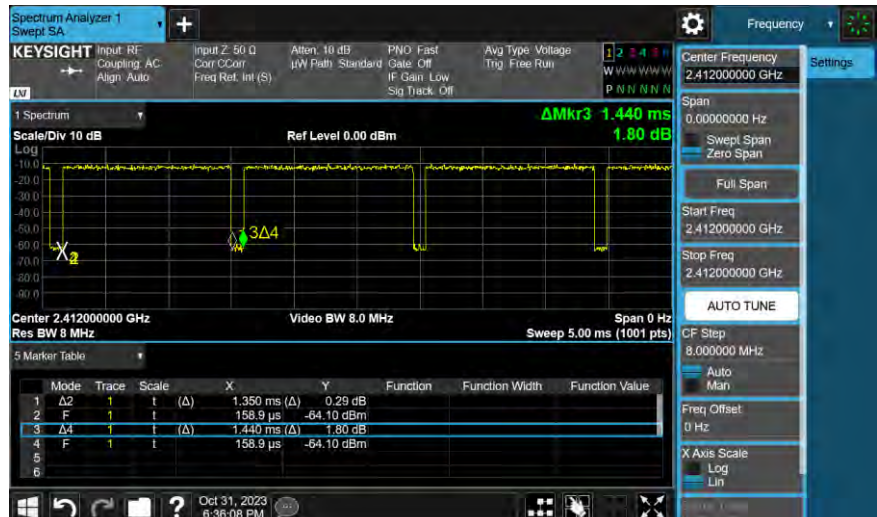
802.11g

On+off time



802.11n HT20

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



2417 MHz



2422 MHz



802.11g_ANT-0

2437 MHz



2457 MHz



2462 MHz



802.11n HT20_ANT-0

2412 MHz



2417 MHz



2422 MHz



802.11n HT20_ANT-0

2437 MHz



2457 MHz



2462 MHz



Reference level

802.11b_ANT-0 2412 MHz	 Center Frequency: 2.41200000 GHz Span: 13.604680 MHz Start Freq: 2.405197676 GHz Stop Freq: 2.418802324 GHz Center Frequency: 2.413510 GHz Span: 13.60 MHz Start Freq: 2.405197676 GHz Stop Freq: 2.418802324 GHz Ref Lvl Offset: 34.60 dB Ref Level: 20.00 dBm Mkr1: 2.413510 GHz 10.12 dBm Center: 2.412000 GHz #Res BW: 100 kHz #Video BW: 300 kHz Sweep: 1.00 ms (1001 pts)
2437 MHz	 Center Frequency: 2.43700000 GHz Span: 13.6599340 MHz Start Freq: 2.430170033 GHz Stop Freq: 2.443829967 GHz Center Frequency: 2.438516 GHz Span: 13.66 MHz Start Freq: 2.430170033 GHz Stop Freq: 2.443829967 GHz Ref Lvl Offset: 34.60 dB Ref Level: 20.00 dBm Mkr1: 2.438516 GHz 11.51 dBm Center: 2.437000 GHz #Res BW: 100 kHz #Video BW: 300 kHz Sweep: 1.00 ms (1001 pts)
2462 MHz	 Center Frequency: 2.46200000 GHz Span: 13.6147360 MHz Start Freq: 2.455192632 GHz Stop Freq: 2.468807368 GHz Center Frequency: 2.463511 GHz Span: 13.61 MHz Start Freq: 2.455192632 GHz Stop Freq: 2.468807368 GHz Ref Lvl Offset: 34.60 dB Ref Level: 20.00 dBm Mkr1: 2.463511 GHz 10.96 dBm Center: 2.462000 GHz #Res BW: 100 kHz #Video BW: 300 kHz Sweep: 1.00 ms (1001 pts)

802.11g_ANT-0

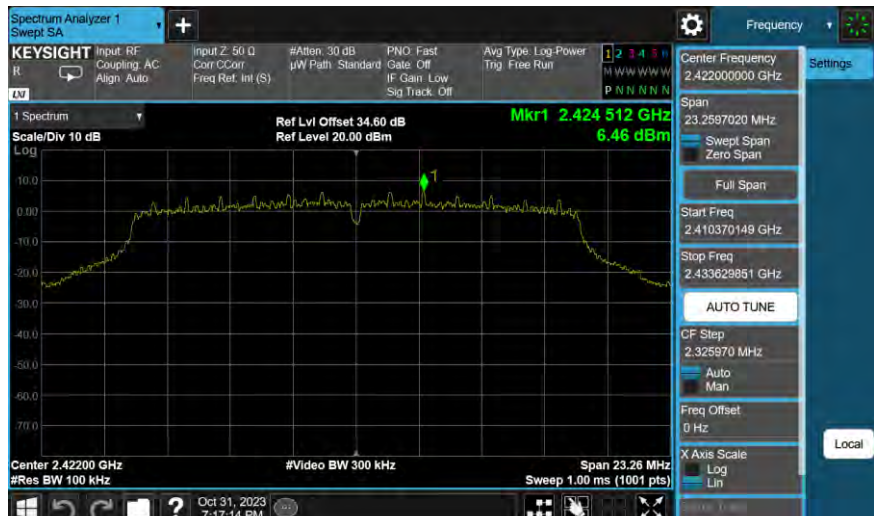
2412 MHz



2417 MHz



2422 MHz



802.11g_ANT-0

2437 MHz



2457 MHz



2462 MHz



802.11n HT20_ANT-0

2412 MHz



2417 MHz



2422 MHz



802.11n HT20_ANT-0

2437 MHz



2457 MHz



2462 MHz



Conducted Band Edge

802.11b_ANT-0

2412 MHz



2462 MHz



802.11g_ANT-0

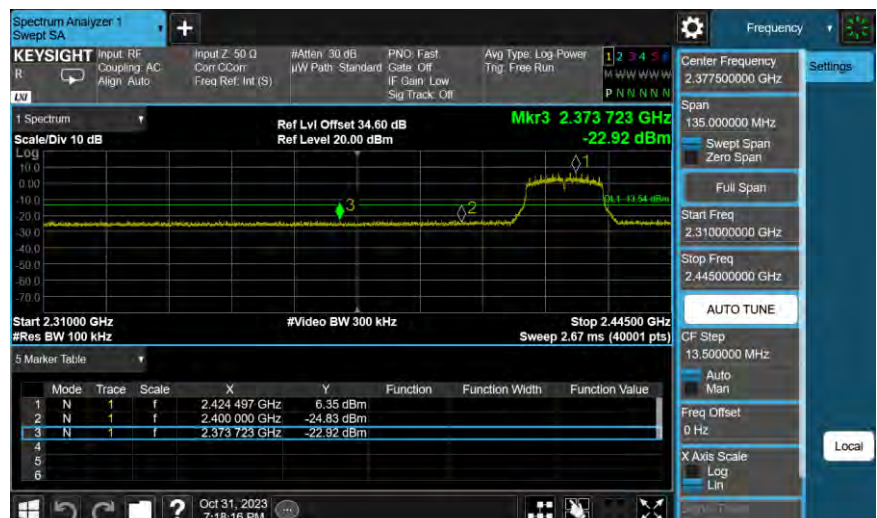
2412 MHz



2417 MHz



2422 MHz



802.11g_ANT-0

2457 MHz



2462 MHz



802.11n HT20_ANT-0

2412 MHz



2417 MHz



2422 MHz



802.11n HT20_ANT-0

2457 MHz



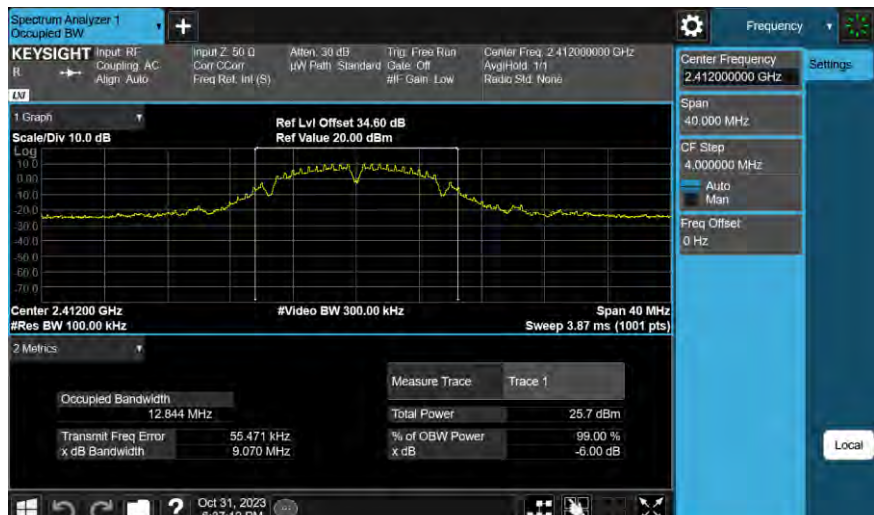
2462 MHz



6 dB Bandwidth

802.11b_ANT-0

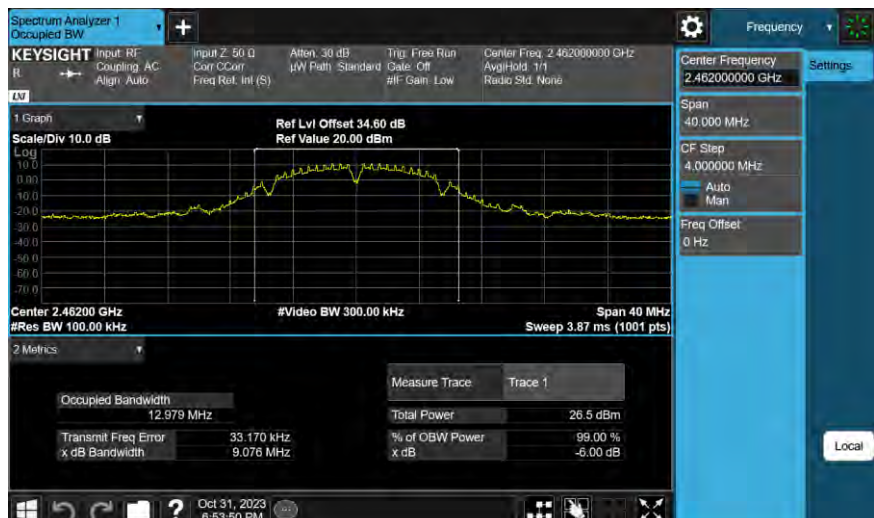
2412 MHz



2437 MHz



2462 MHz



802.11g_ANT-0

2412 MHz



2417 MHz



2422 MHz

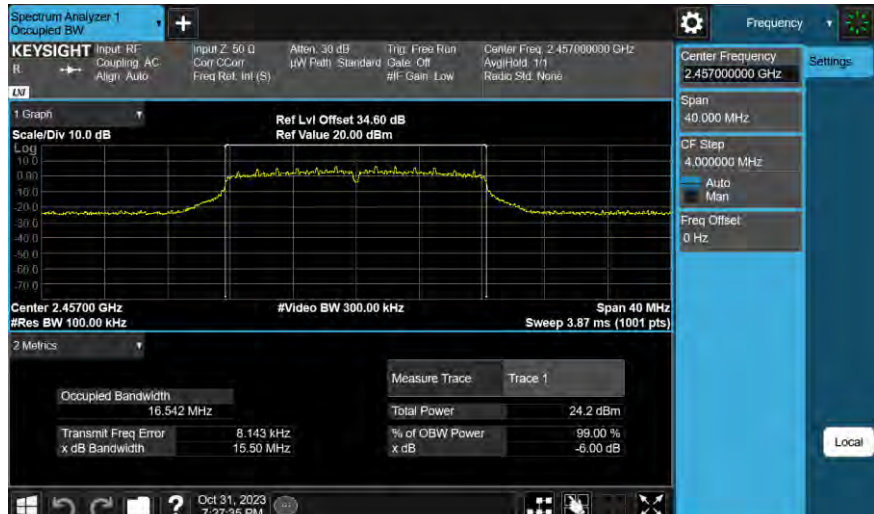


802.11g_ANT-0

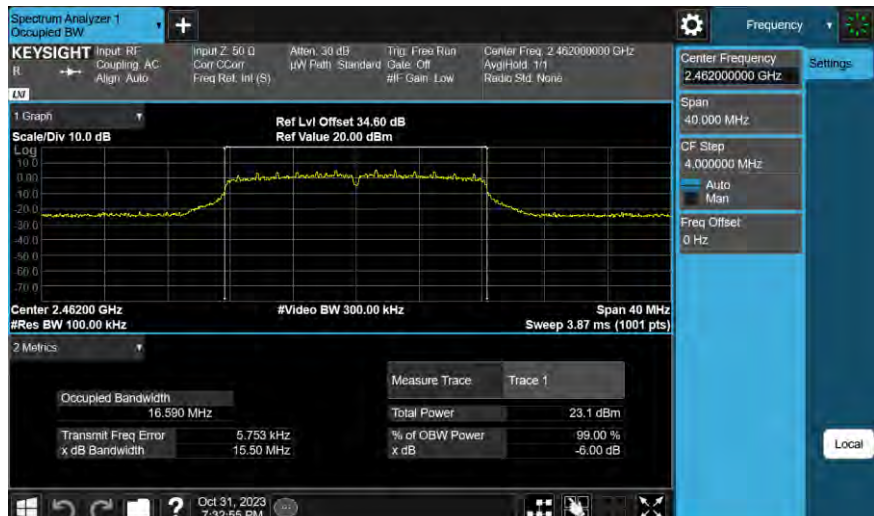
2437 MHz



2457 MHz

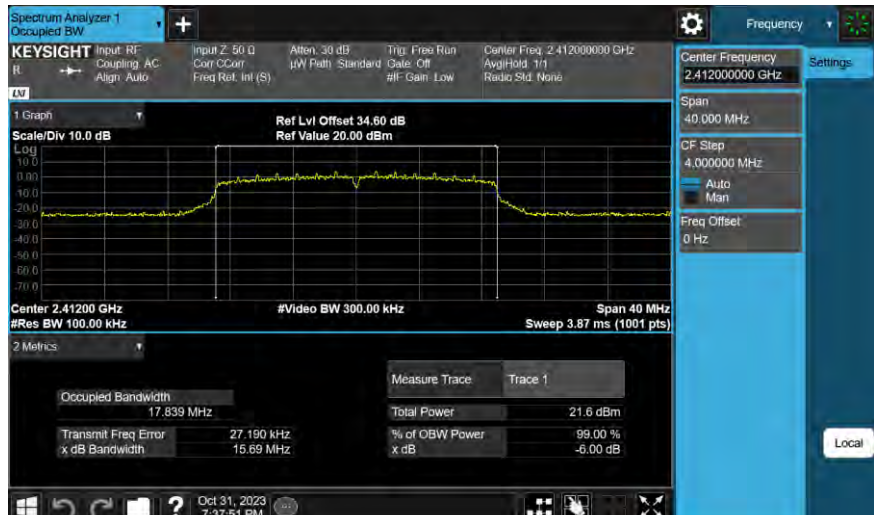


2462 MHz



802.11n HT20_ANT-0

2412 MHz



2417 MHz



2422 MHz

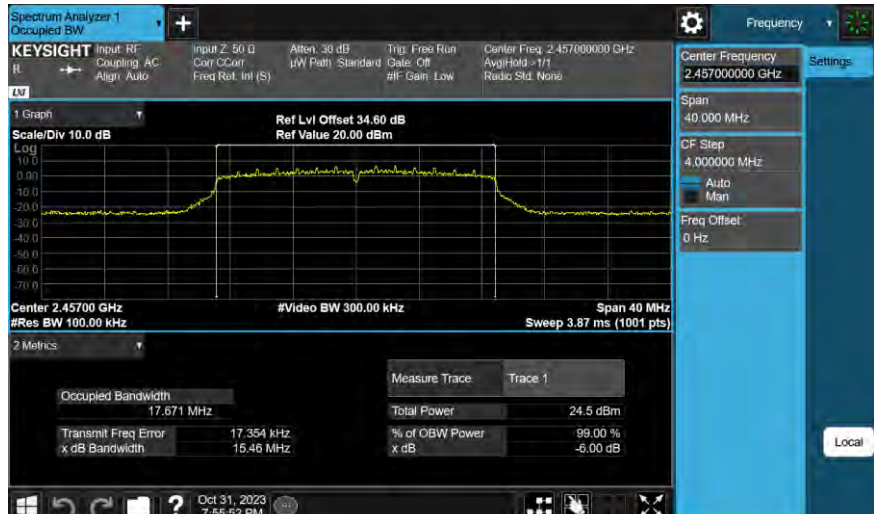


802.11n HT20_ANT-0

2437 MHz



2457 MHz



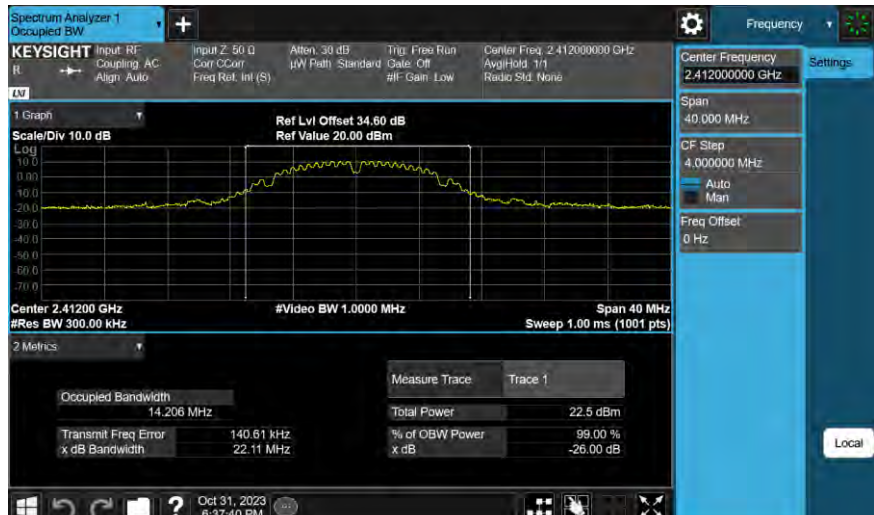
2462 MHz



99% Occupied Bandwidth

802.11b_ANT-0

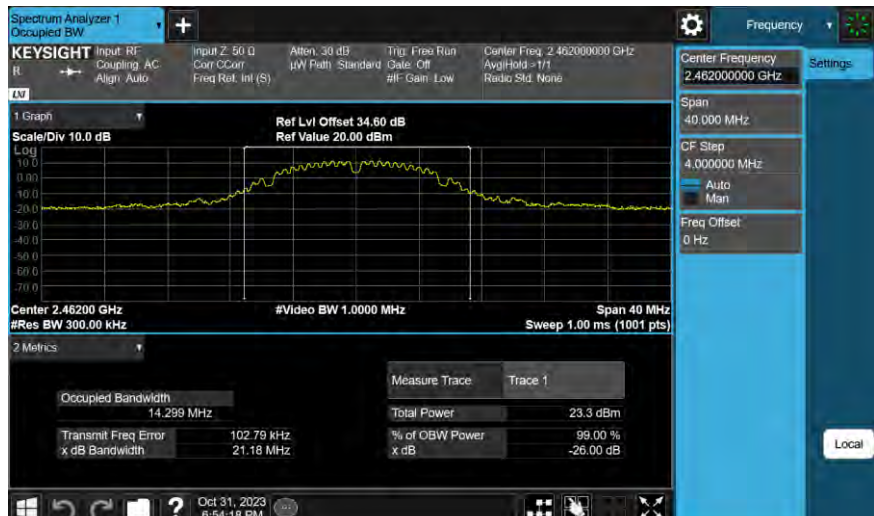
2412 MHz



2437 MHz



2462 MHz



802.11g_ANT-0

2412 MHz



2417 MHz



2422 MHz



802.11g_ANT-0

2437 MHz



2457 MHz



2462 MHz



802.11n HT20_ANT-0

2412 MHz



2417 MHz



2422 MHz



802.11n HT20_ANT-0

2437 MHz



2457 MHz



2462 MHz



Maximum Power Spectral Density

802.11b_ANT-0

2412 MHz



2437 MHz

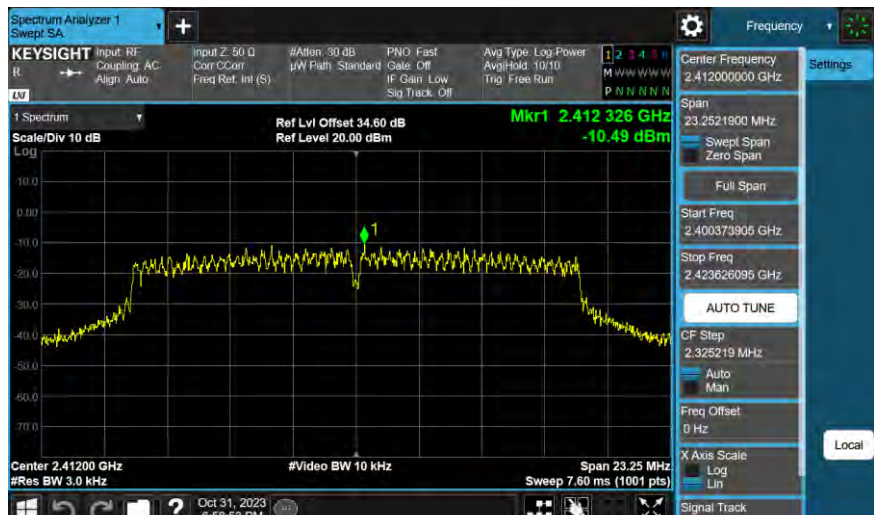


2462 MHz

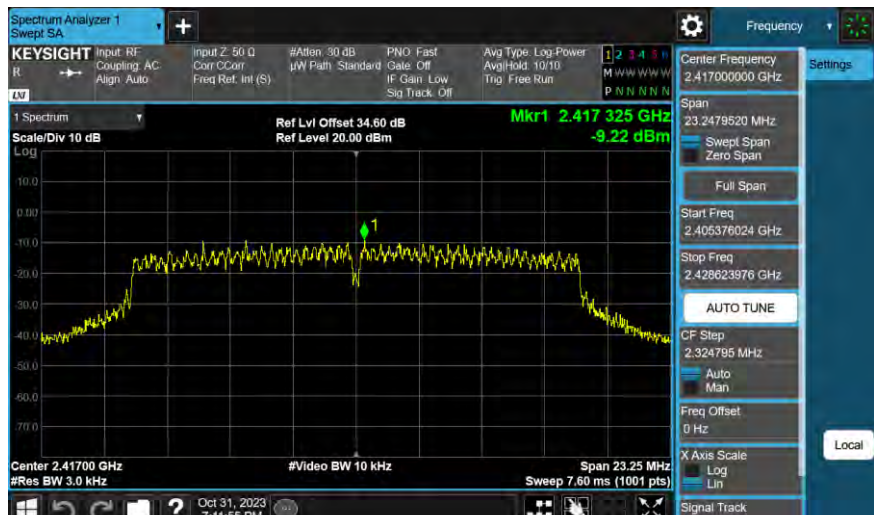


802.11g_ANT-0

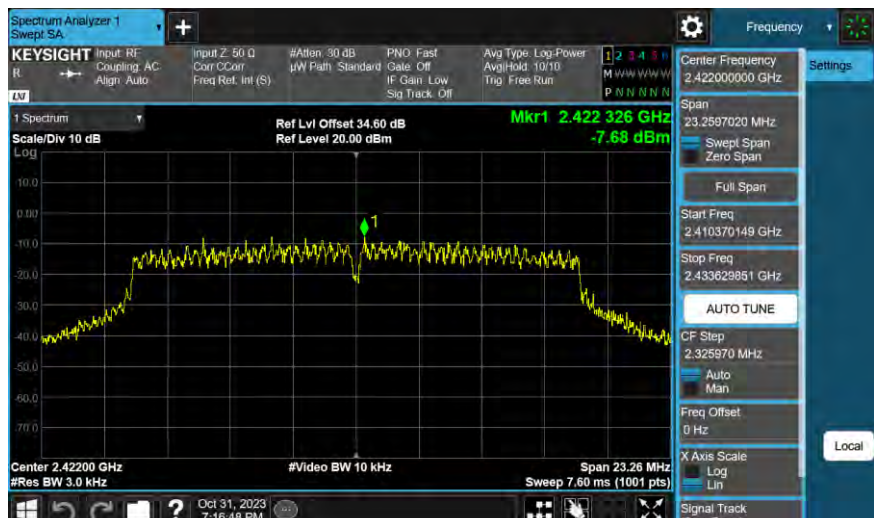
2412 MHz



2417 MHz

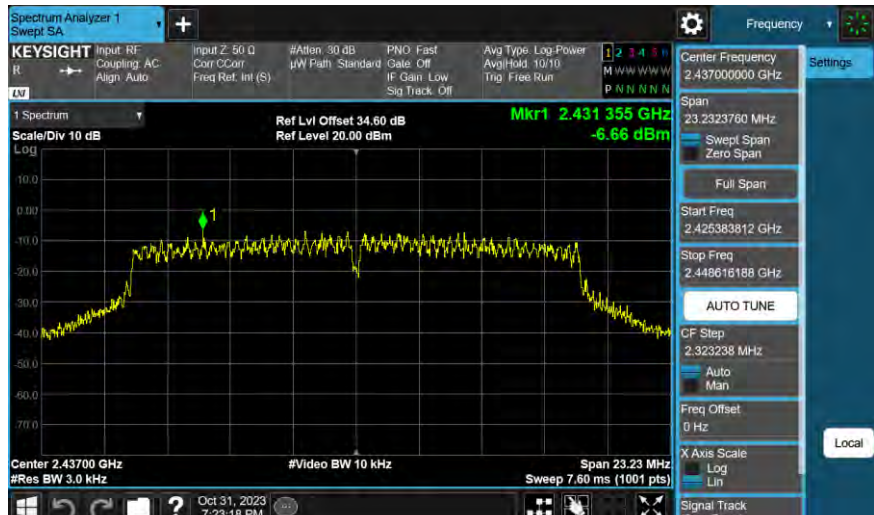


2422 MHz

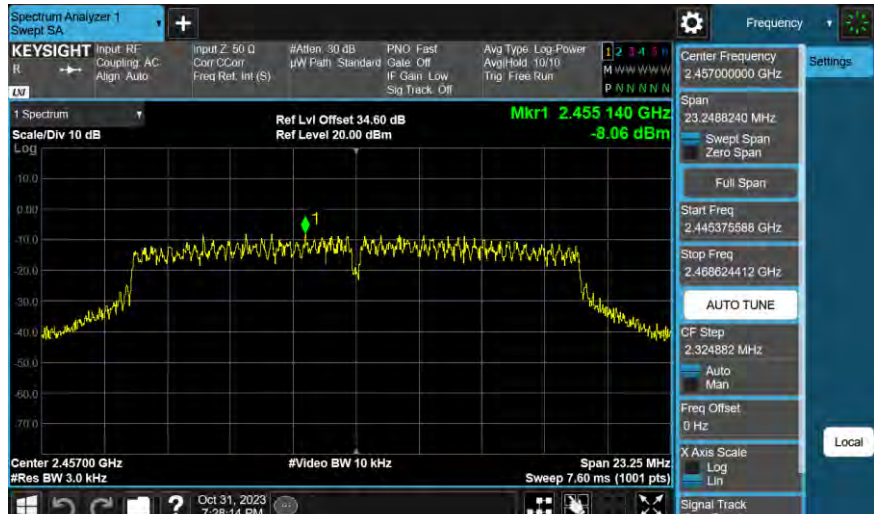


802.11g_ANT-0

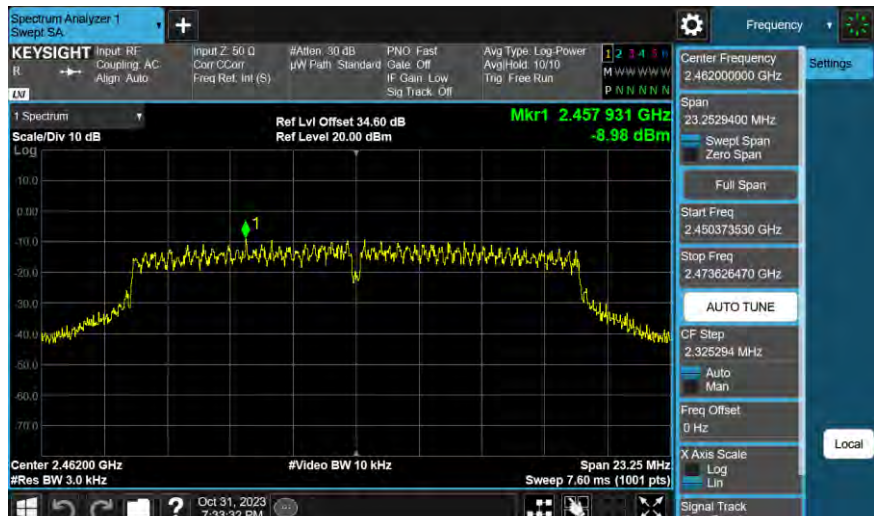
2437 MHz



2457 MHz

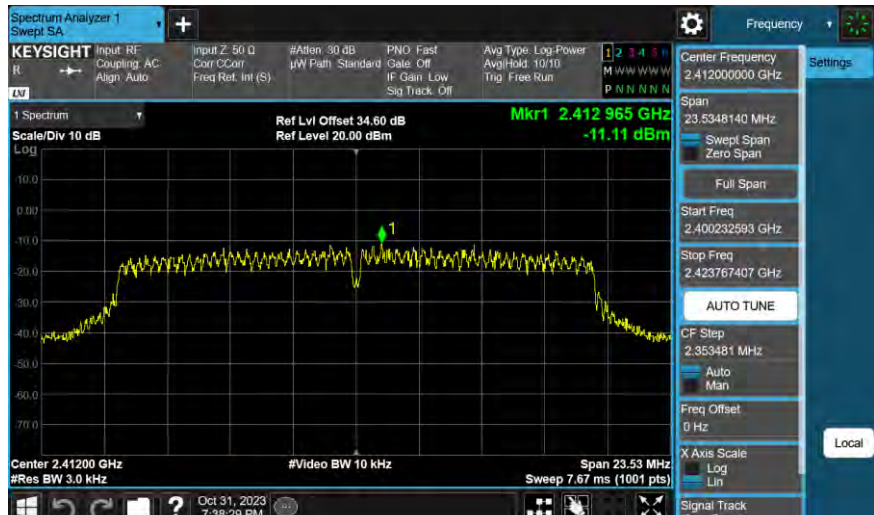


2462 MHz

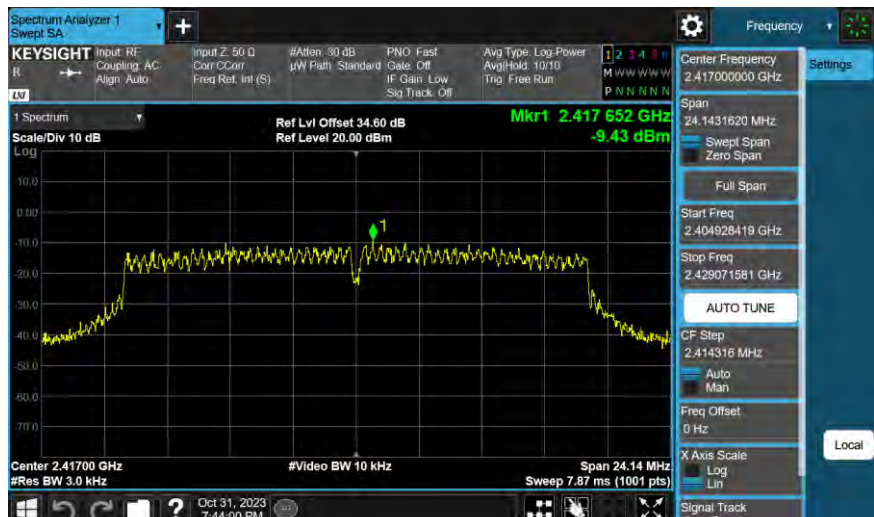


802.11n HT20_ANT-0

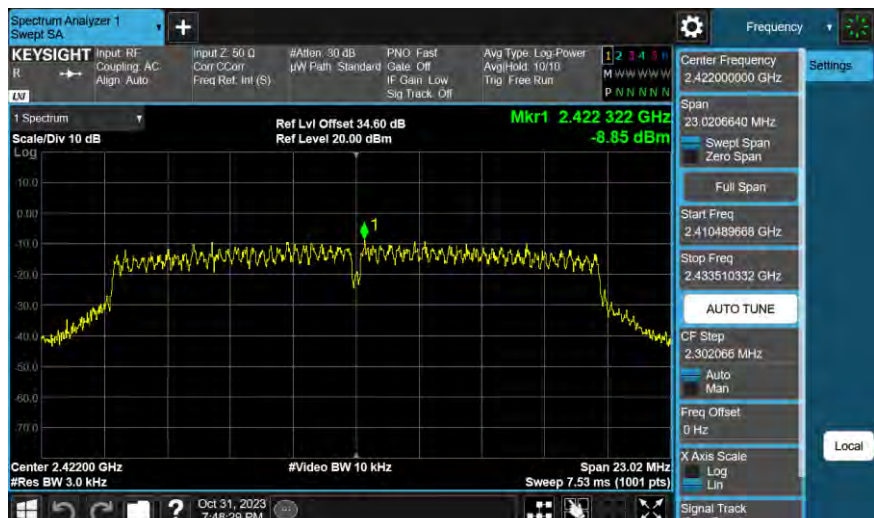
2412 MHz



2417 MHz



2422 MHz

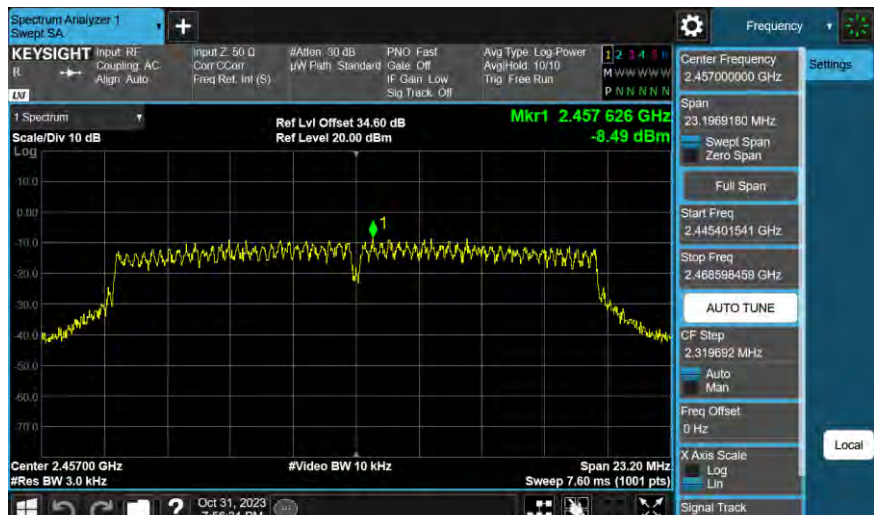


802.11n HT20_ANT-0

2437 MHz



2457 MHz



2462 MHz

