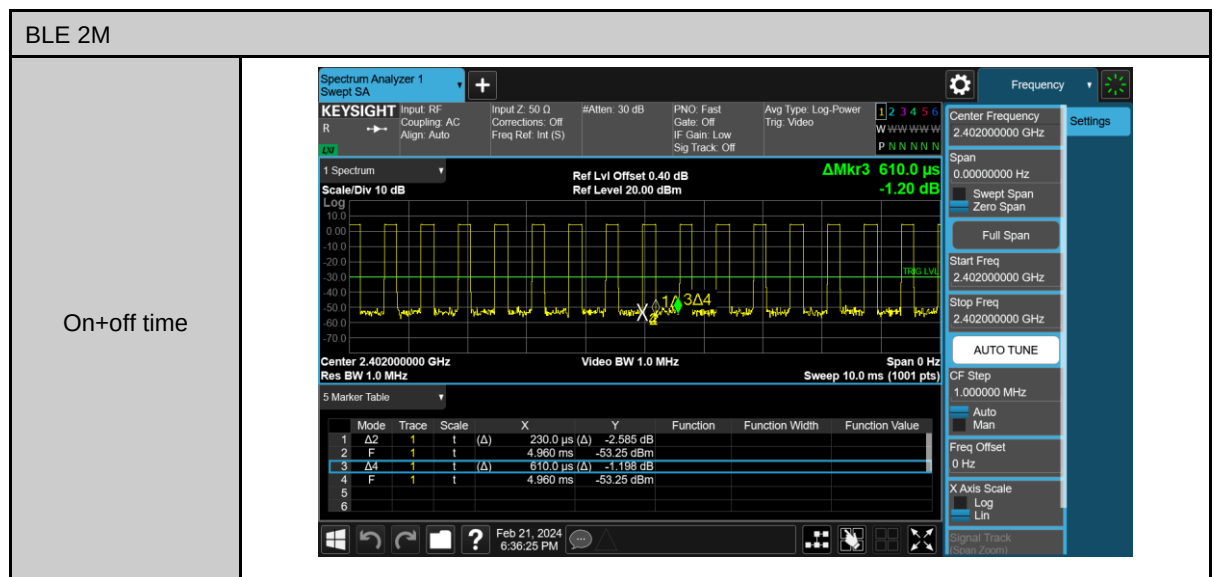
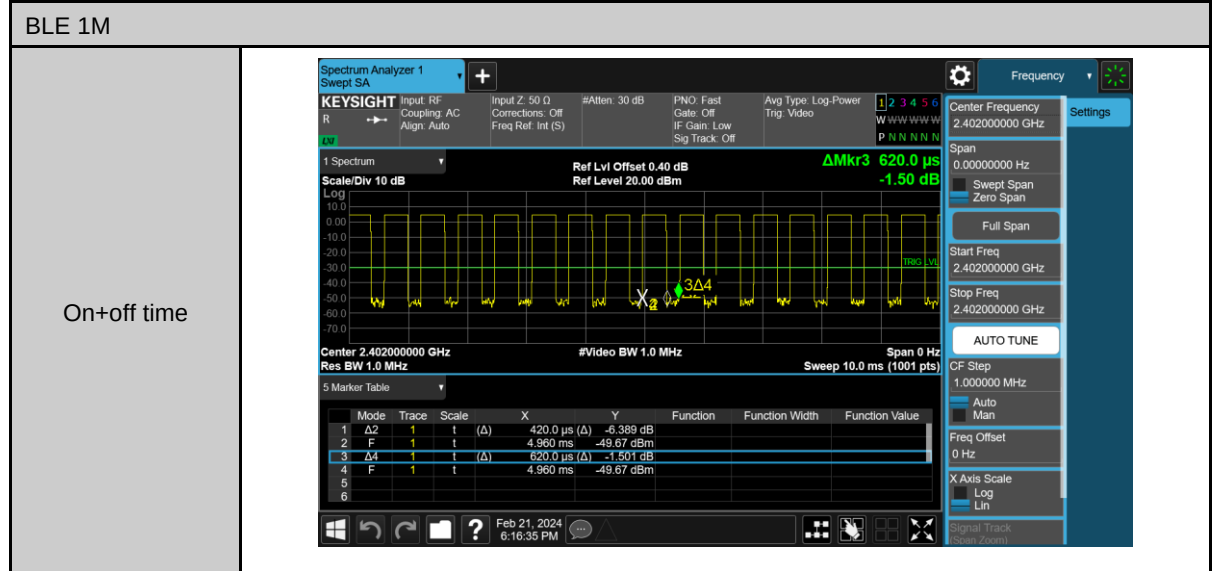


Appendix B. Test Plots

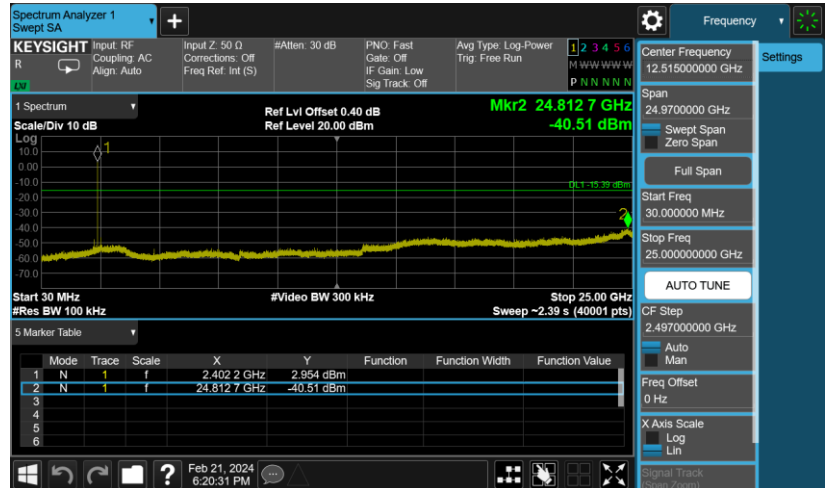
Duty cycle



Out of Band Conducted Spurious Emission

BLE 1M

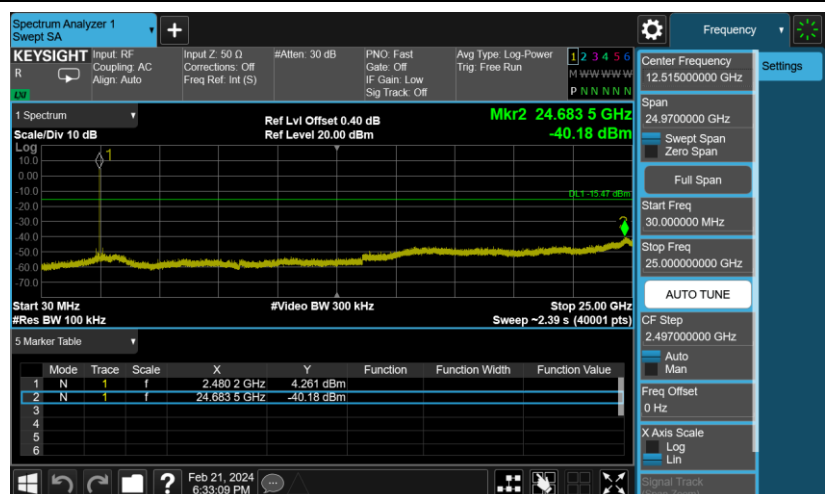
Low ch



Mid ch



High ch

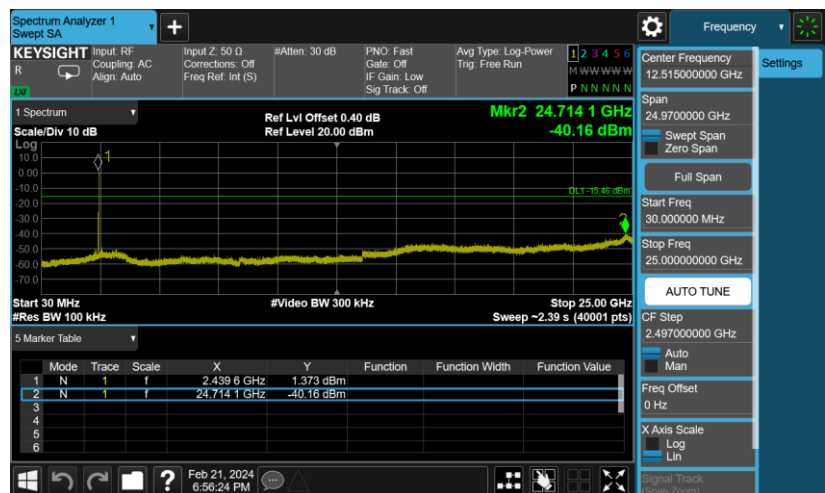


BLE 2M

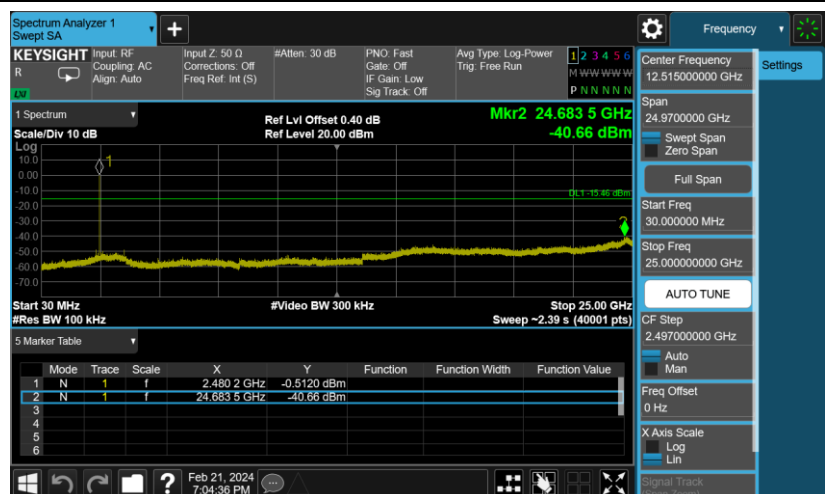
Low ch



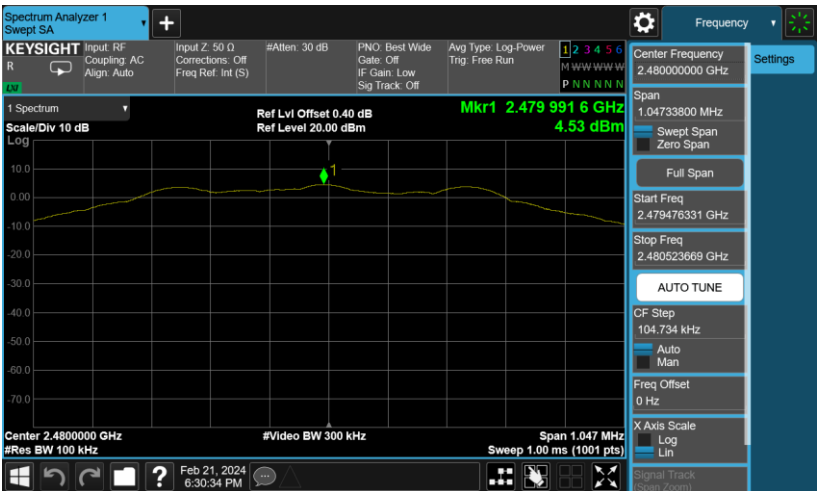
Mid ch



High ch

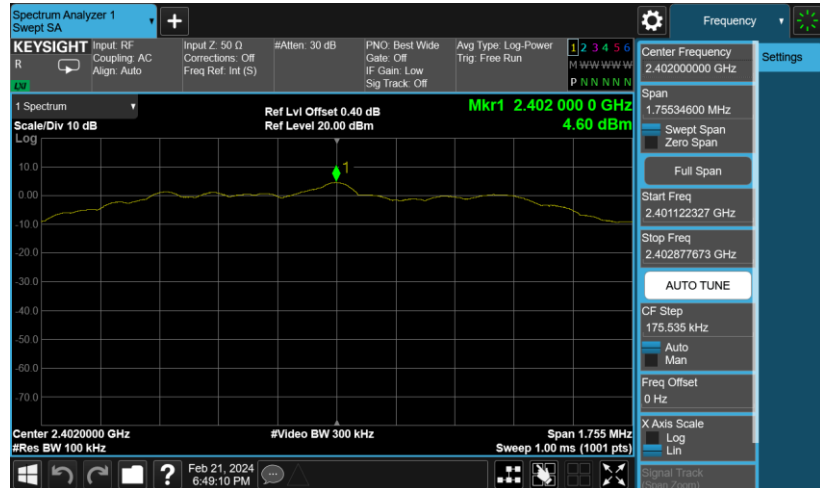


Reference level

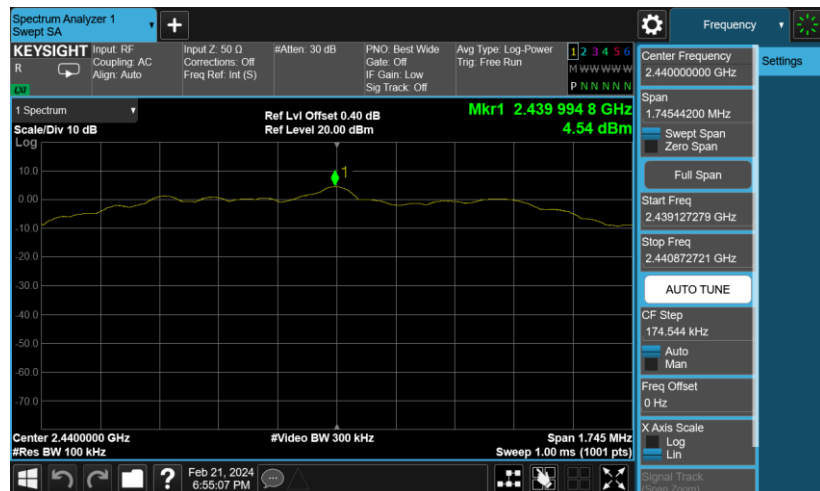
BLE 1M Low ch	 Keysight Spectrum Analyzer 1 Sweep SA. Input: RF, Coupling: AC, Align: Auto. Input Z: 50 Ω, Corrections: Off, Freq Ref: Int (S). #Atten: 30 dB, IPNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off. Avg Type: Log-Power, Trg: Free Run. Center Frequency: 2.40200000 GHz, Span: 1.05643000 MHz, Sweep Span: Zero Span, Full Span. Start Freq: 2.401471785 GHz, Stop Freq: 2.402528215 GHz. AUTO TUNE. CF Step: 105.643 kHz, Auto/Man. Freq Offset: 0 Hz, X Axis Scale: Log/Lin. Signal Track: Span Zoom. 1 Spectrum, Scale/Div 10 dB, Log. Ref Lvl Offset 0.40 dB, Ref Level 20.00 dBm. Mkr1 2.401 995 8 GHz, 4.61 dBm. Center 2.4020000 GHz, #Video BW 300 kHz, Span 1.056 MHz, #Res BW 100 kHz, Sweep 1.00 ms (1001 pts). Feb 21, 2024 6:17:55 PM
Mid ch	 Keysight Spectrum Analyzer 1 Sweep SA. Input: RF, Coupling: AC, Align: Auto. Input Z: 50 Ω, Corrections: Off, Freq Ref: Int (S). #Atten: 30 dB, IPNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off. Avg Type: Log-Power, Trg: Free Run. Center Frequency: 2.44000000 GHz, Span: 1.06338000 MHz, Sweep Span: Zero Span, Full Span. Start Freq: 2.439468310 GHz, Stop Freq: 2.440531690 GHz. AUTO TUNE. CF Step: 106.338 kHz, Auto/Man. Freq Offset: 0 Hz, X Axis Scale: Log/Lin. Signal Track: Span Zoom. 1 Spectrum, Scale/Div 10 dB, Log. Ref Lvl Offset 0.40 dB, Ref Level 20.00 dBm. Mkr1 2.439 993 6 GHz, 4.52 dBm. Center 2.4400000 GHz, #Video BW 300 kHz, Span 1.063 MHz, #Res BW 100 kHz, Sweep 1.00 ms (1001 pts). Feb 21, 2024 6:23:16 PM
High ch	 Keysight Spectrum Analyzer 1 Sweep SA. Input: RF, Coupling: AC, Align: Auto. Input Z: 50 Ω, Corrections: Off, Freq Ref: Int (S). #Atten: 30 dB, IPNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off. Avg Type: Log-Power, Trg: Free Run. Center Frequency: 2.48000000 GHz, Span: 1.04733800 MHz, Sweep Span: Zero Span, Full Span. Start Freq: 2.479476331 GHz, Stop Freq: 2.480523669 GHz. AUTO TUNE. CF Step: 104.734 kHz, Auto/Man. Freq Offset: 0 Hz, X Axis Scale: Log/Lin. Signal Track: Span Zoom. 1 Spectrum, Scale/Div 10 dB, Log. Ref Lvl Offset 0.40 dB, Ref Level 20.00 dBm. Mkr1 2.479 991 6 GHz, 4.53 dBm. Center 2.4800000 GHz, #Video BW 300 kHz, Span 1.047 MHz, #Res BW 100 kHz, Sweep 1.00 ms (1001 pts). Feb 21, 2024 6:30:34 PM

BLE 2M

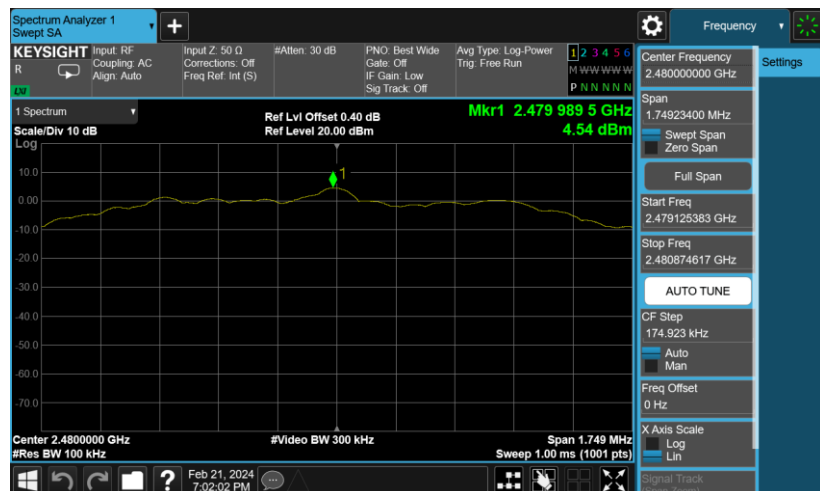
Low ch



Mid ch



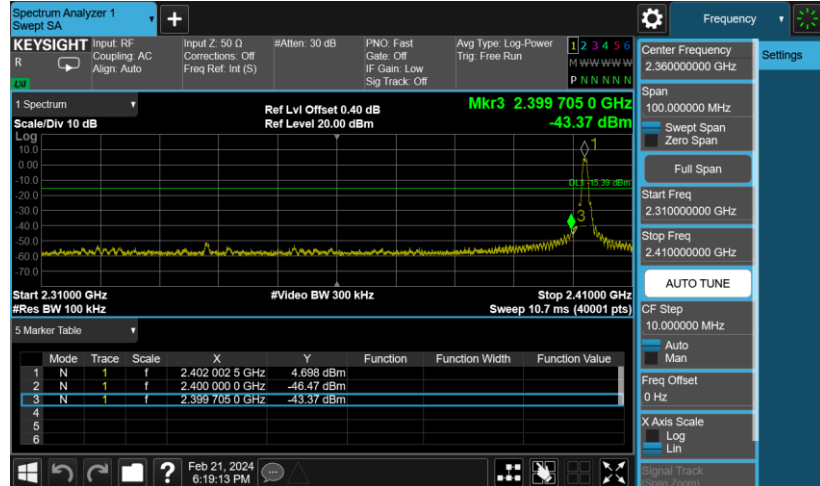
High ch



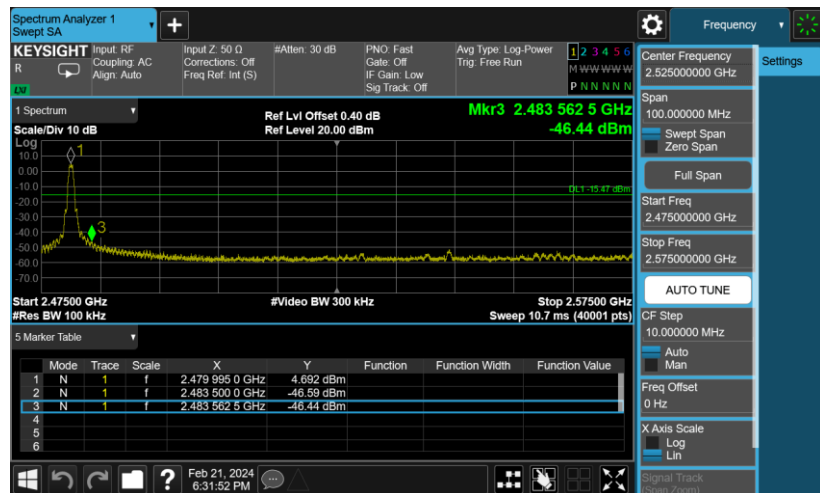
Conducted Band Edge

BLE 1M

Low ch

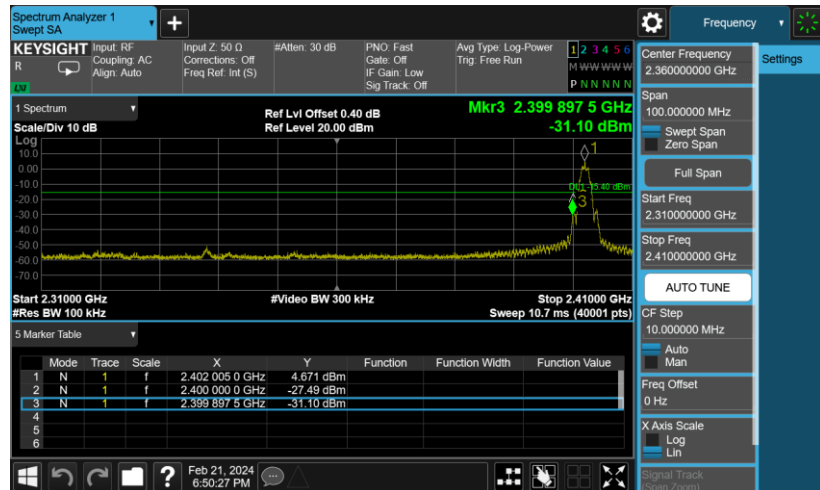


High ch

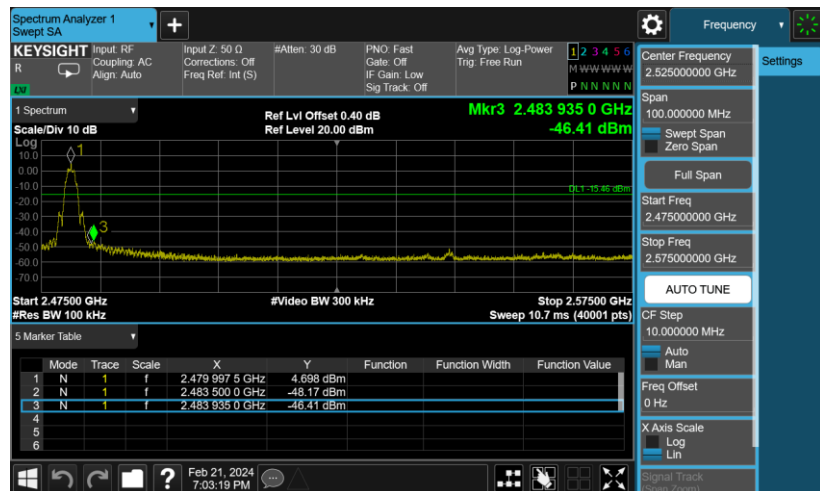


BLE 2M

Low ch



High ch



6 dB Bandwidth

BLE 1M

Low ch

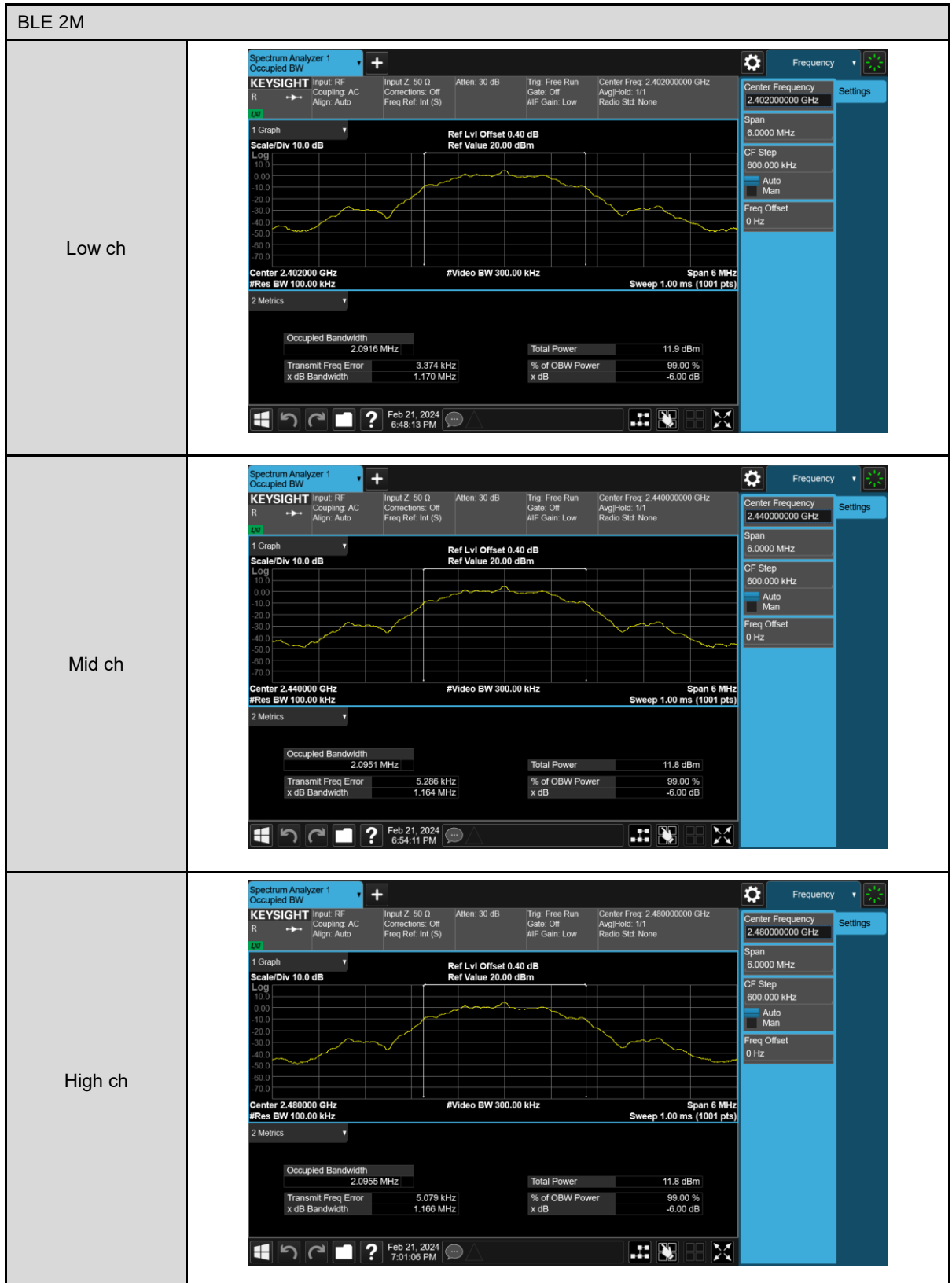


Mid ch

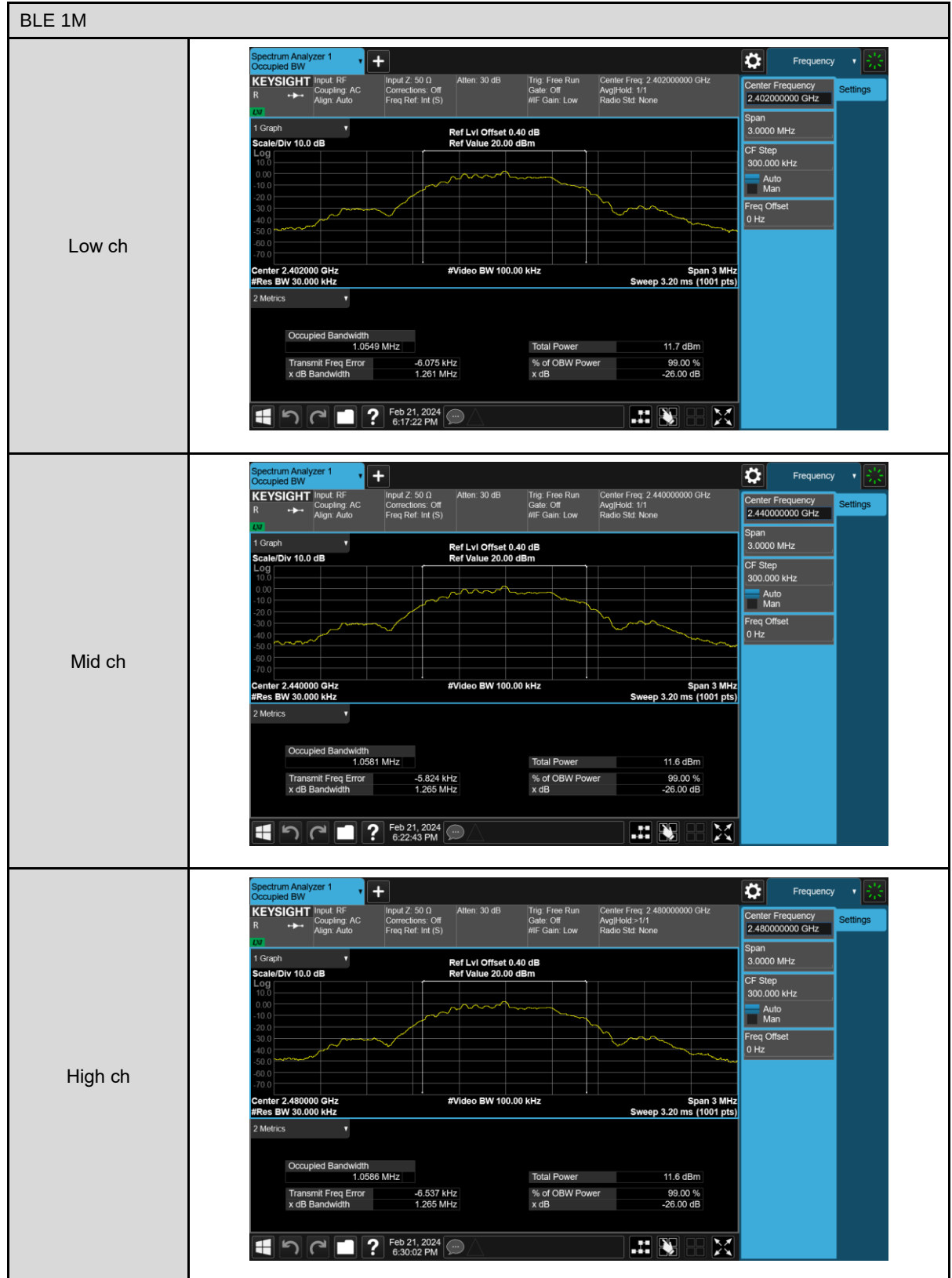


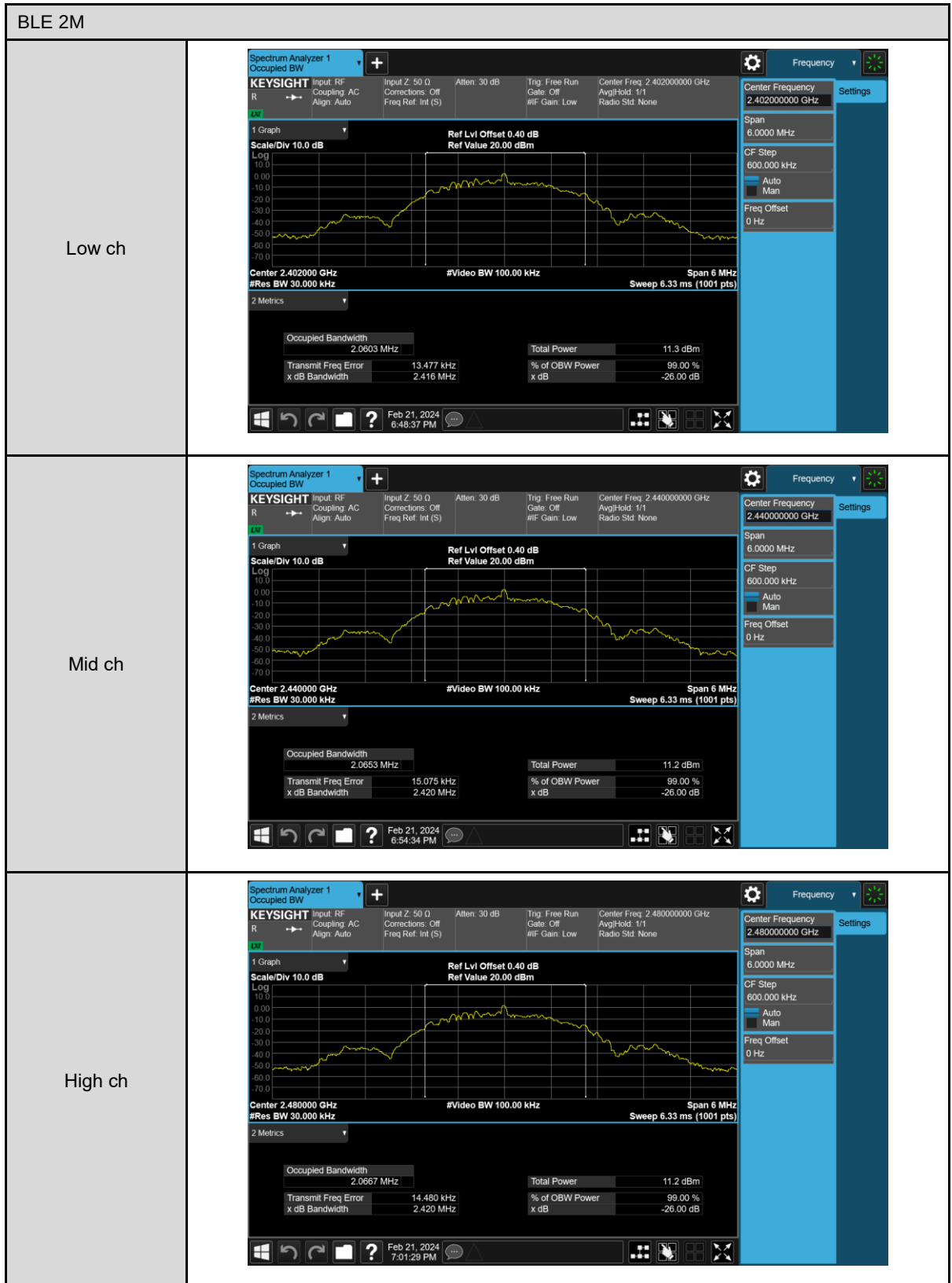
High ch





99 % Occupied Bandwidth

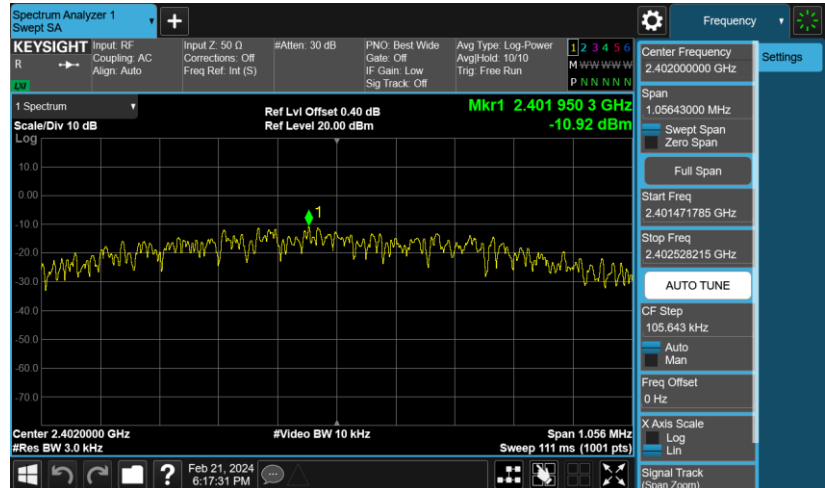




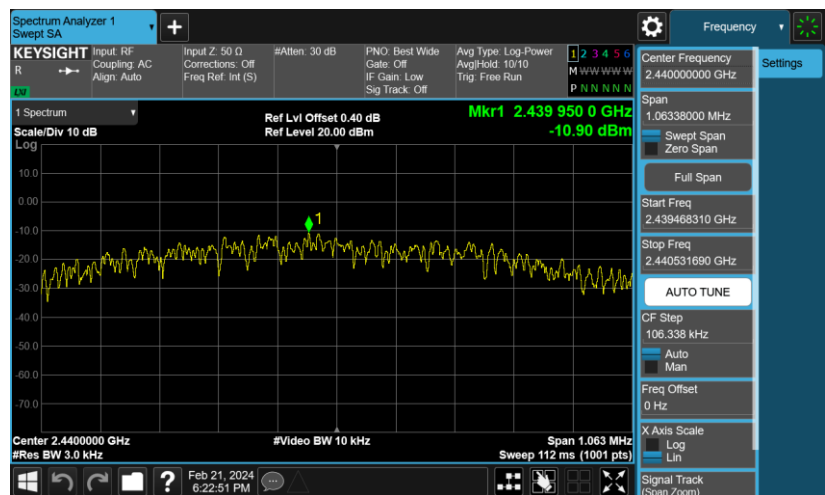
Power Density

BLE 1M

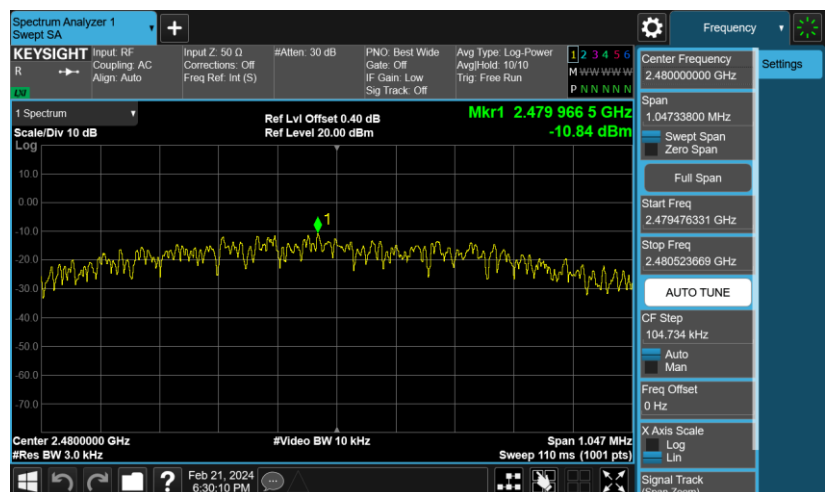
Low ch



Mid ch

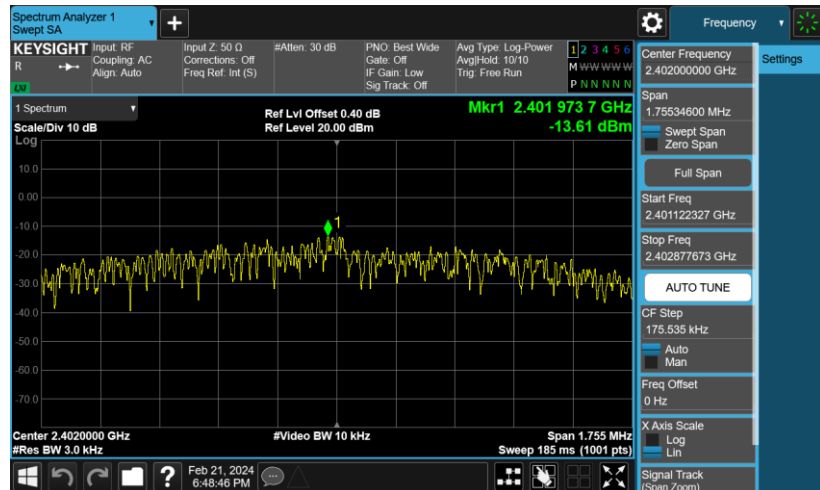


High ch

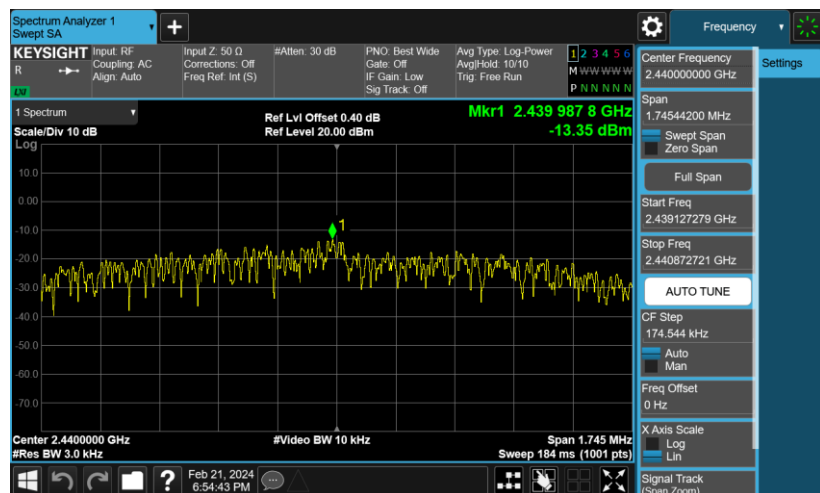


BLE 2M

Low ch



Mid ch



High ch

