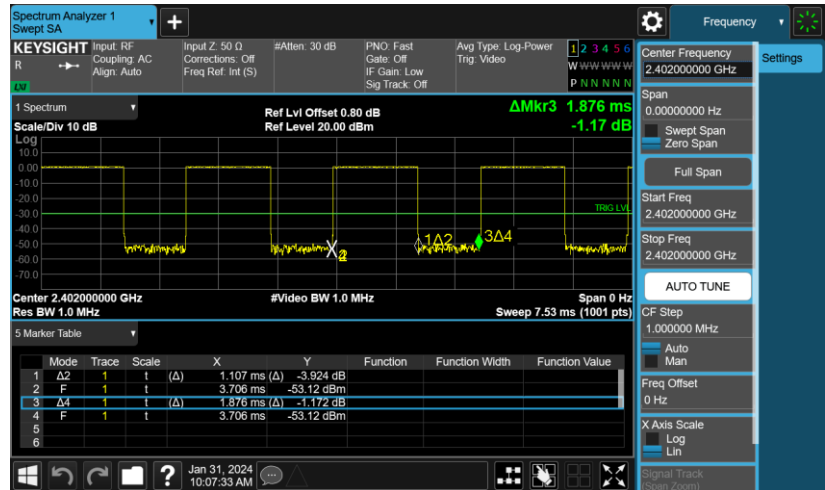


Appendix B. Test Plots

Duty cycle

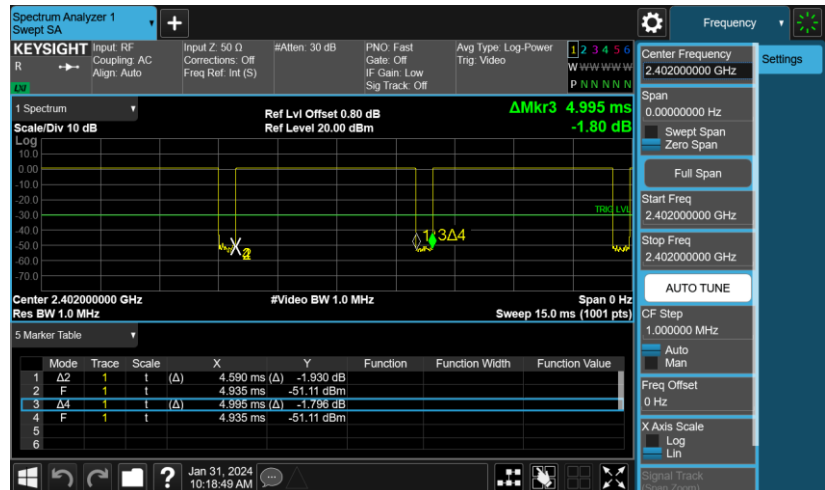
BLE 2M

On+off time



BLR C8

On+off time



Out of Band Conducted Spurious Emission

BLE 2M

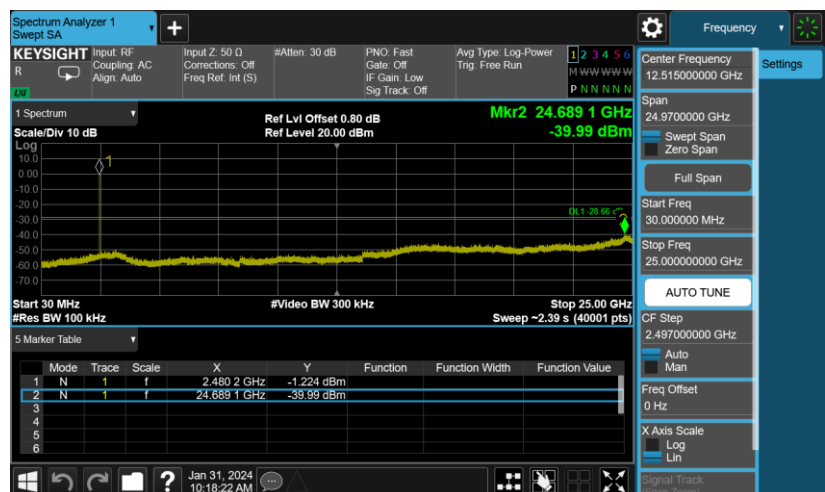
Low ch



Mid ch



High ch

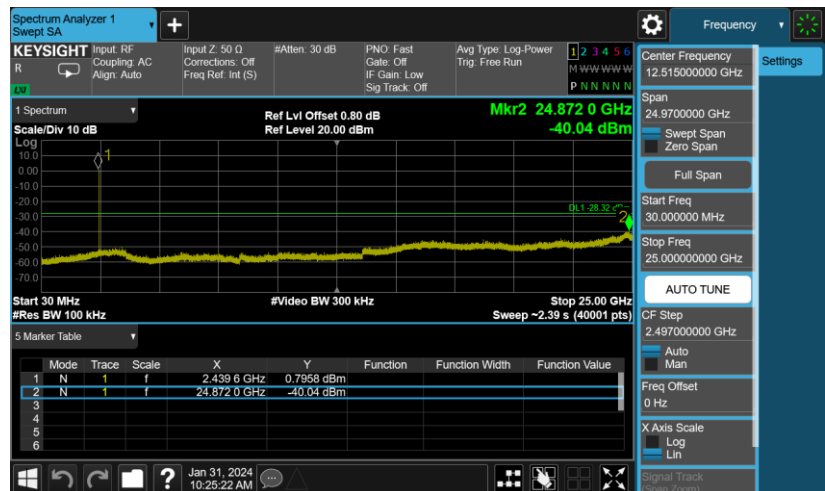


BLR C8

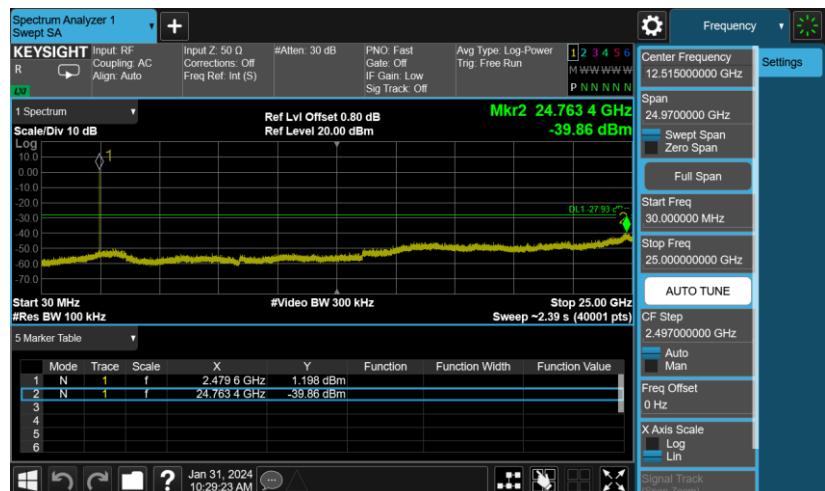
Low ch



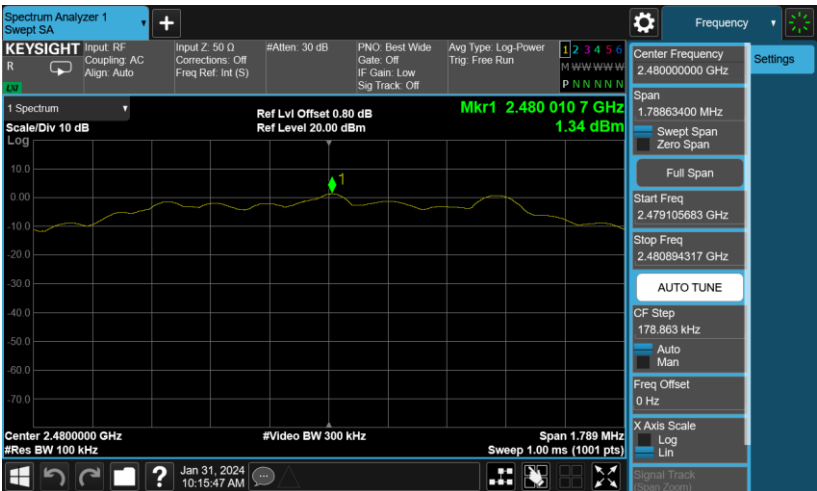
Mid ch



High ch

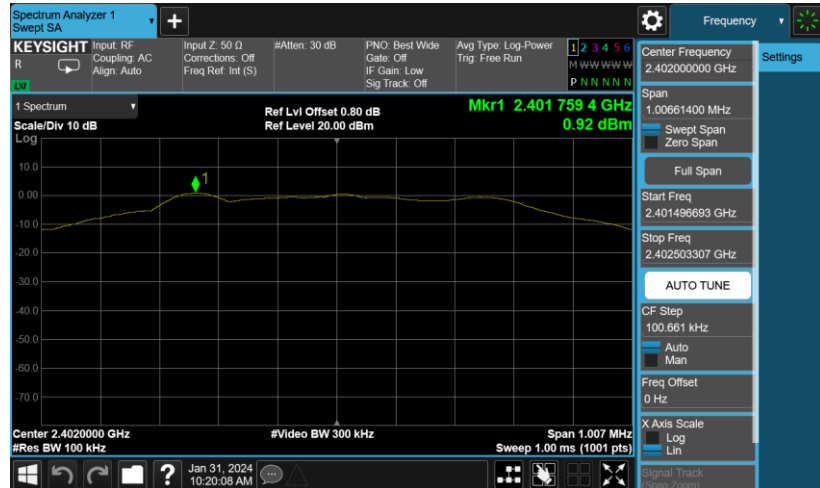


Reference level

BLE 2M 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: 1.7869200 MHz, Sweep Span: Zero Span, Full Span. Start Freq: 2.401106654 GHz, Stop Freq: 2.402893346 GHz. AUTO TUNE. CF Step: 178.669 kHz, Auto, Man. Freq Offset: 0 Hz, X Axis Scale: Log, Lin. Signal Track: Span Zoom.
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: 1.78958200 MHz, Sweep Span: Zero Span, Full Span. Start Freq: 2.439105209 GHz, Stop Freq: 2.440894791 GHz. AUTO TUNE. CF Step: 178.958 kHz, Auto, Man. Freq Offset: 0 Hz, X Axis Scale: Log, Lin. Signal Track: Span Zoom.
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: 1.78863400 MHz, Sweep Span: Zero Span, Full Span. Start Freq: 2.479105683 GHz, Stop Freq: 2.480894317 GHz. AUTO TUNE. CF Step: 178.863 kHz, Auto, Man. Freq Offset: 0 Hz, X Axis Scale: Log, Lin. Signal Track: Span Zoom.

BLR C8

Low ch



Mid ch



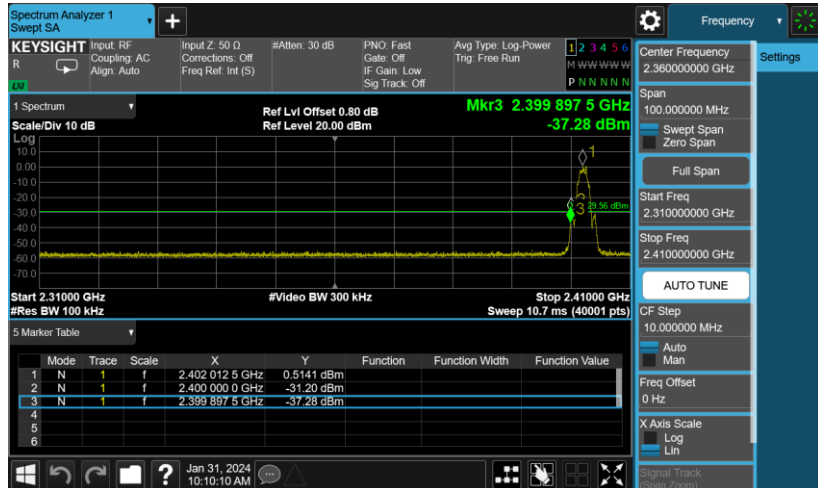
High ch



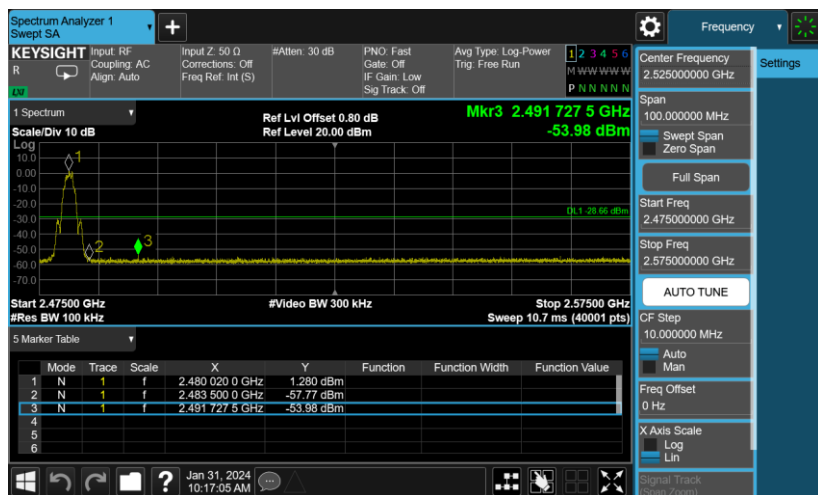
Conducted Band Edge

BLE 2M

Low ch

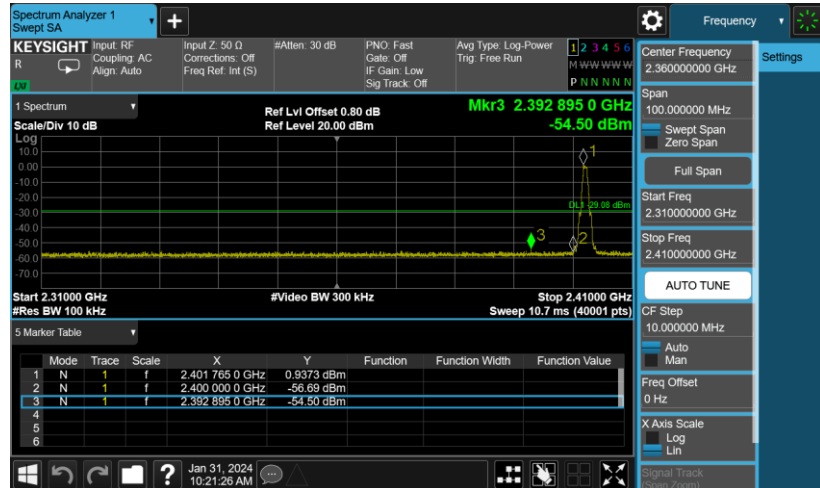


High ch

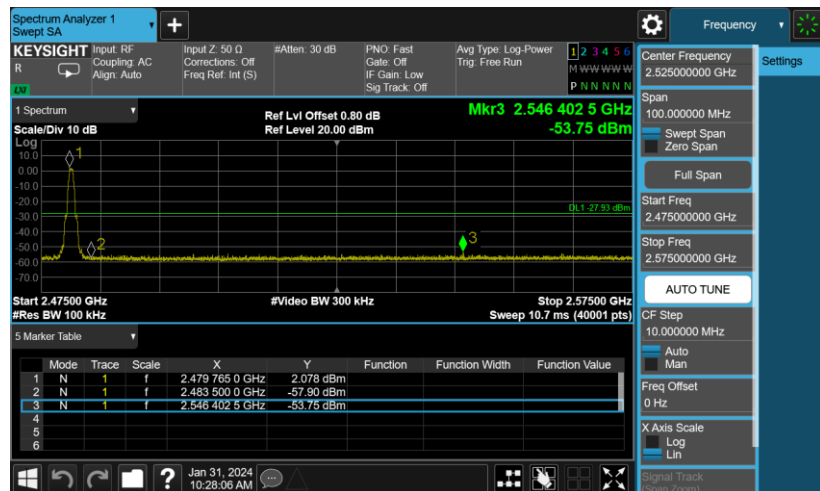


BLR C8

Low ch



High ch



6 dB Bandwidth

BLE 2M

Low ch



Mid ch



High ch

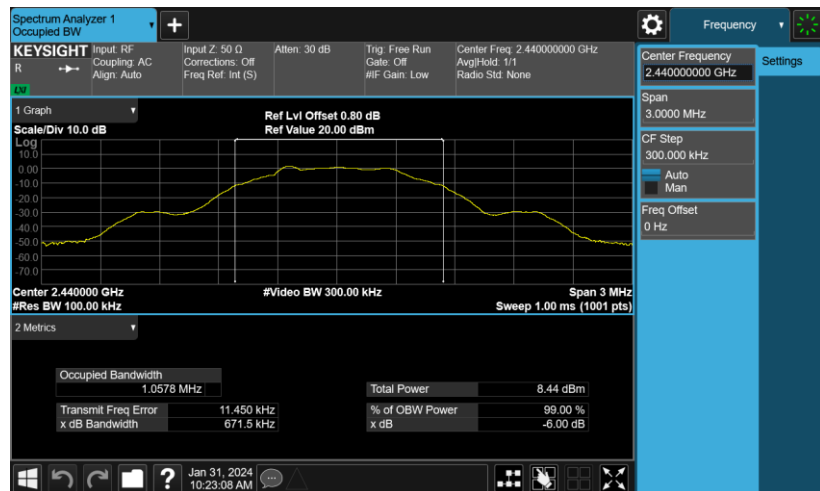


BLR C8

Low ch



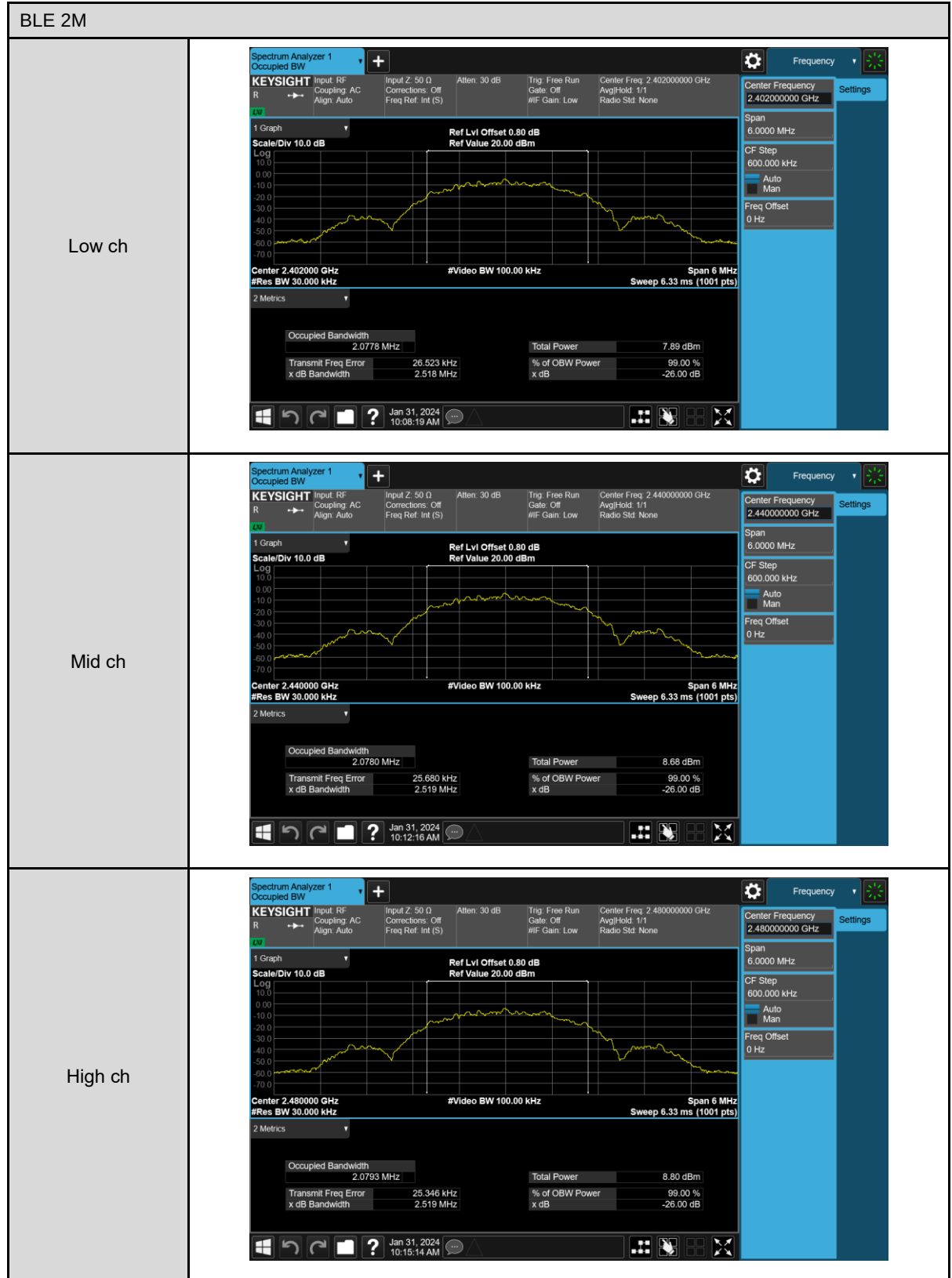
Mid ch



High ch

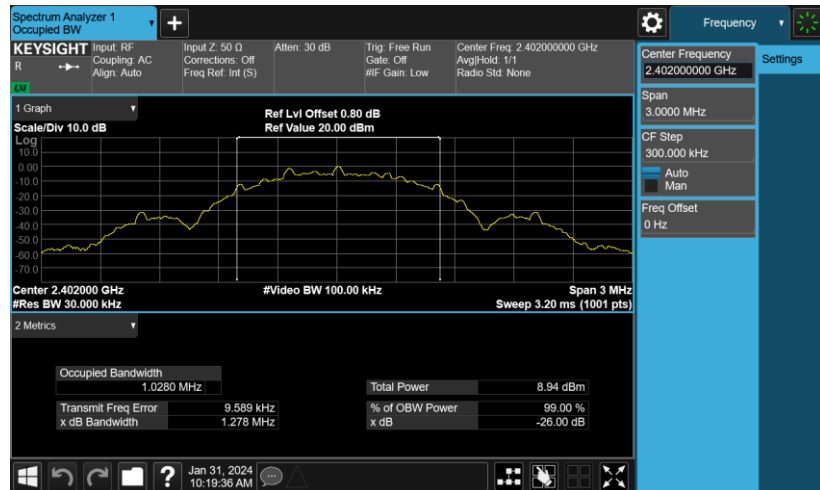


99 % Occupied Bandwidth



BLR C8

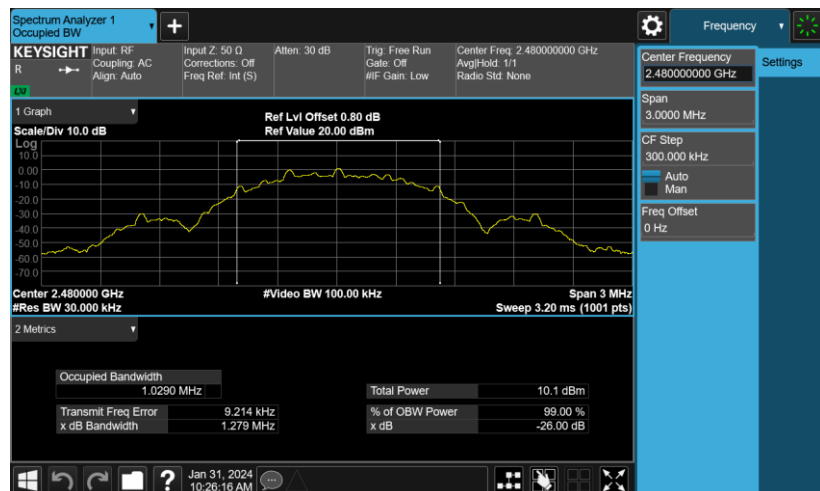
Low ch



Mid ch



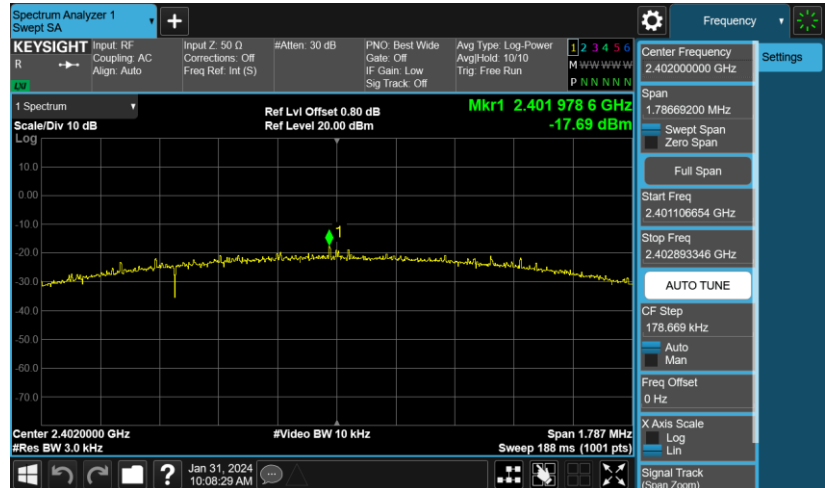
High ch



Power Density

BLE 2M

Low ch



Mid ch

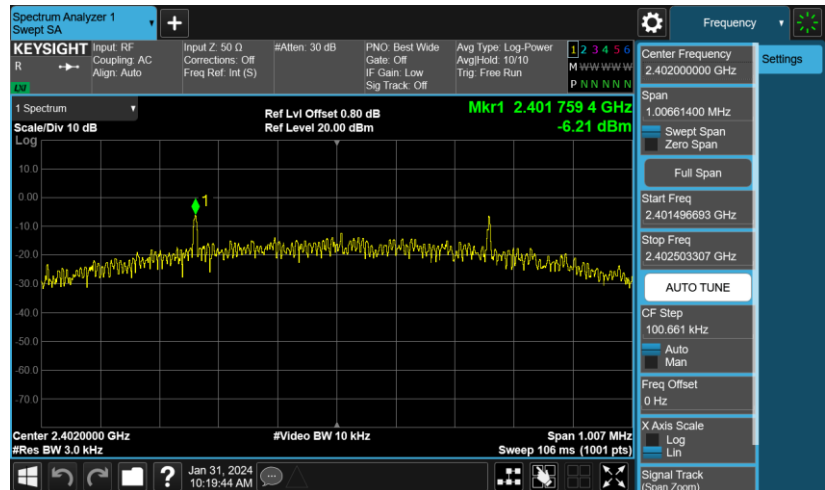


High ch

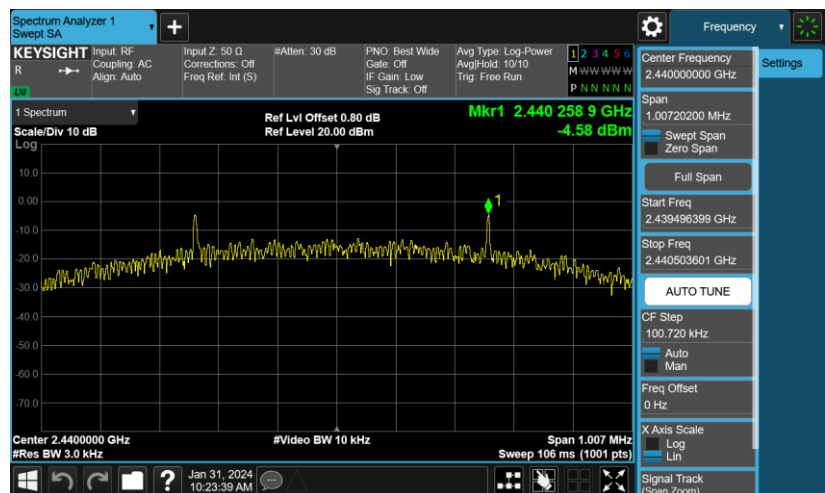


BLR C8

Low ch



Mid ch



High ch

