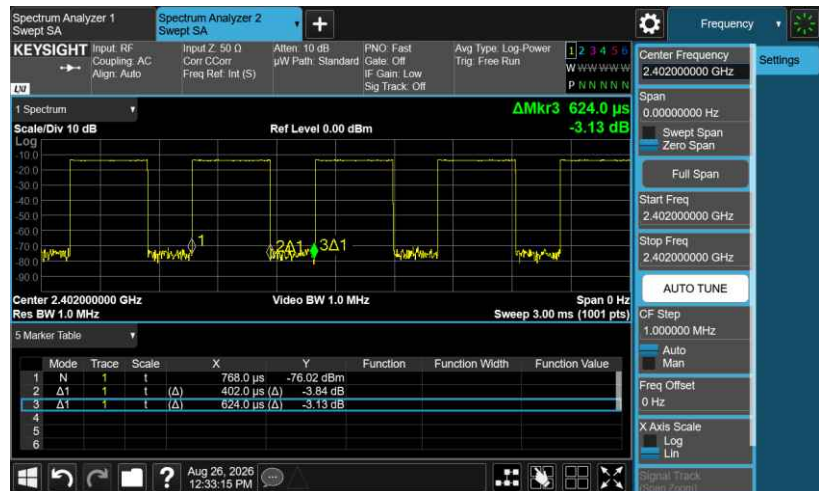


Appendix B. Test Plots

Duty cycle

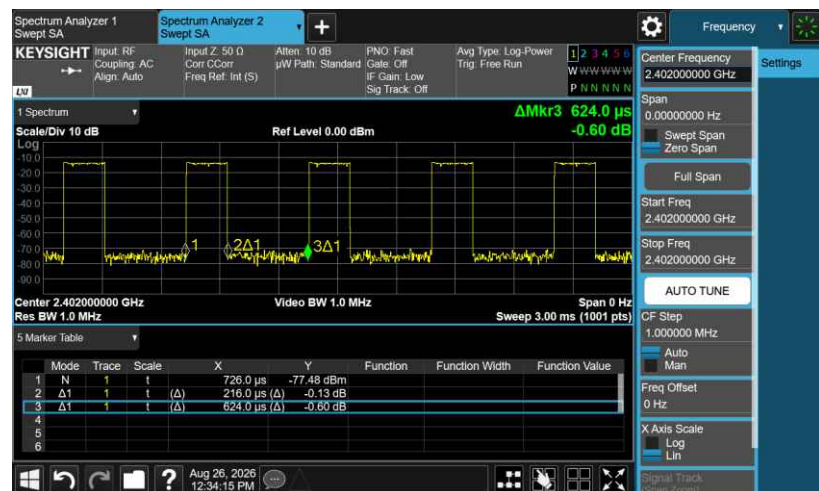
BLE 1M

On+off time



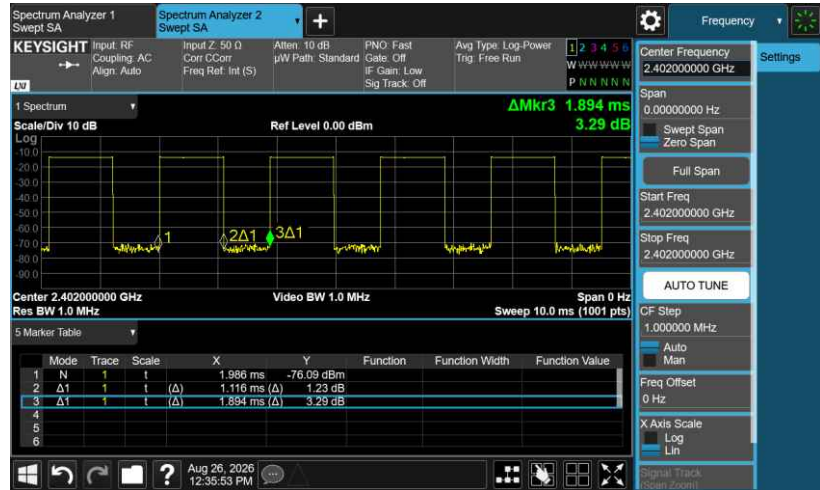
BLE 2M

On+off time



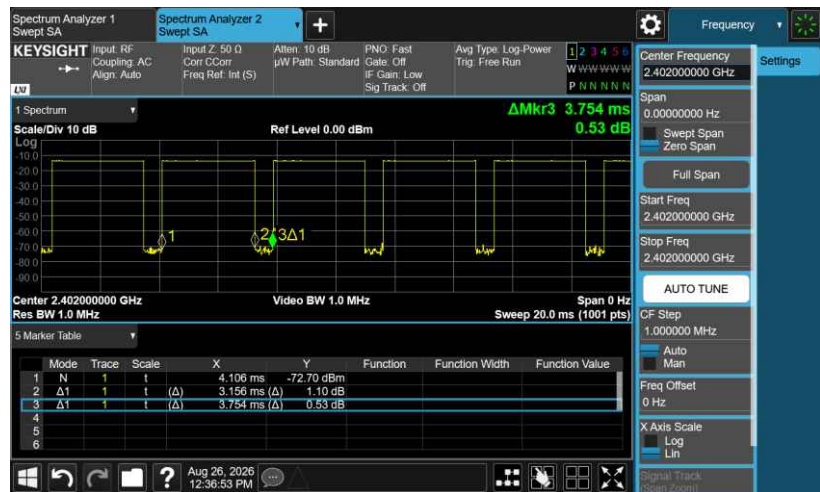
BLR C2

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 Center Frequency: 2.4020000 GHz Span: 1.705 MHz Mkr1: 2.402 003 4 GHz, 2.97 dBm Ref Lvl Offset 1.30 dB, Ref Level 20.00 dBm Center 2.4020000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Sweep 1.00 ms (1001 pts)
Mid ch	 Keysight Spectrum Analyzer 1 Sweep SA Center Frequency: 2.4400000 GHz Span: 1.692 MHz Mkr1: 2.440 001 7 GHz, 3.10 dBm Ref Lvl Offset 1.30 dB, Ref Level 20.00 dBm Center 2.4400000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Sweep 1.00 ms (1001 pts)
High ch	 Keysight Spectrum Analyzer 1 Sweep SA Center Frequency: 2.4800000 GHz Span: 1.691 MHz Mkr1: 2.480 001 7 GHz, 3.02 dBm Ref Lvl Offset 1.30 dB, Ref Level 20.00 dBm Center 2.4800000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Sweep 1.00 ms (1001 pts)

BLR C8

Low ch



Mid ch



High ch



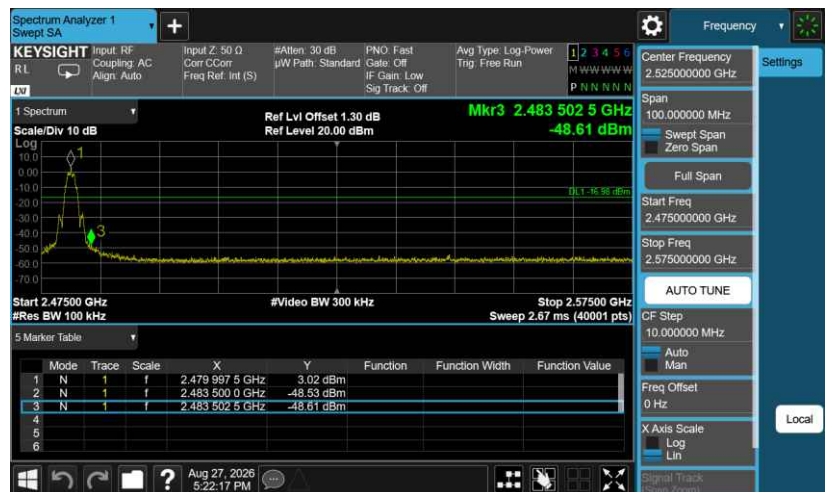
Conducted Band Edge

BLE 2M

Low ch



High ch

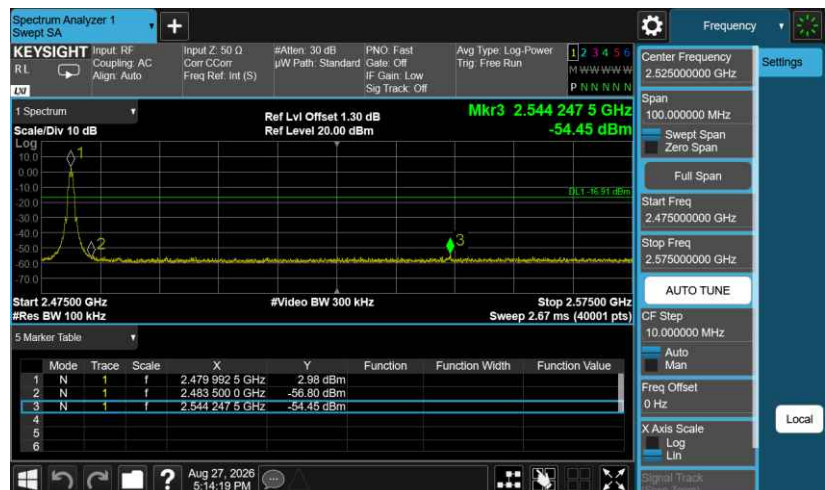


BLR C8

Low ch



High ch



6 dB Bandwidth

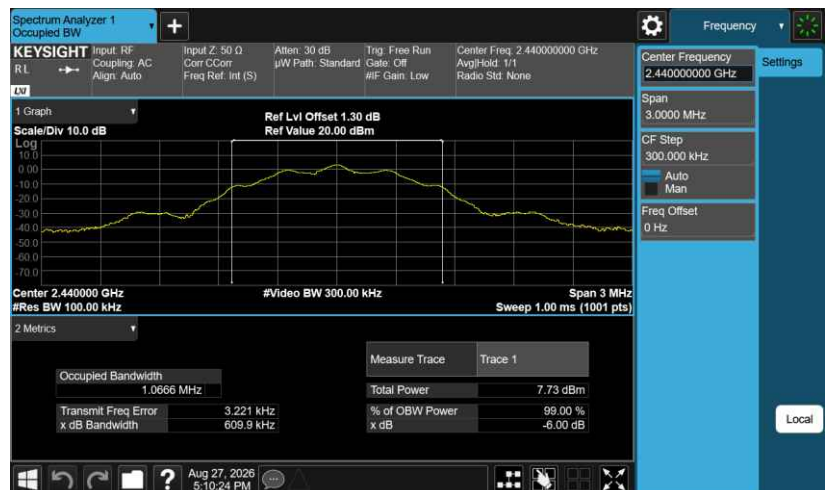
BLE 2M Low ch	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 2.40200000 GHz Span: 6.0000 MHz Res BW: 100.00 kHz Occupied Bandwidth: 2.1101 MHz Total Power: 10.2 dBm
Mid ch	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 2.44000000 GHz Span: 6.0000 MHz Res BW: 100.00 kHz Occupied Bandwidth: 2.1115 MHz Total Power: 10.3 dBm
High ch	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 2.48000000 GHz Span: 6.0000 MHz Res BW: 100.00 kHz Occupied Bandwidth: 2.1052 MHz Total Power: 10.2 dBm

BLR C8

Low ch



Mid ch



High ch

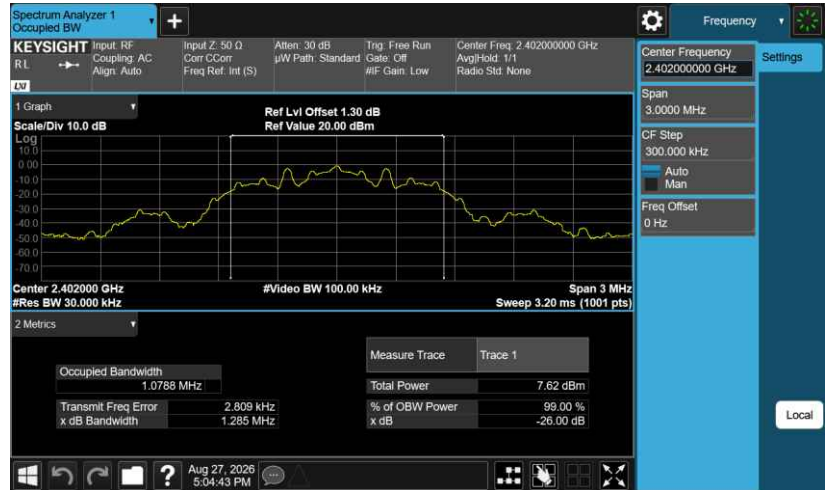


99 % Occupied Bandwidth

BLE 2M Low ch	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 2.402000000 GHz Span: 6.0000 MHz CF Step: 600.000 kHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 1.30 dB Ref Value: 20.00 dBm Center: 2.402000 GHz #Res BW: 30.000 kHz #Video BW: 100.00 kHz Span: 6 MHz Sweep: 6.33 ms (1001 pts) Occupied Bandwidth: 2.0784 MHz Transmit Freq Error: 22.370 kHz x dB Bandwidth: 2.411 MHz Total Power: 9.31 dBm % of OBW Power: 99.00 % x dB: -26.00 dB Aug 27, 2026 5:16:10 PM
Mid ch	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 2.440000000 GHz Span: 6.0000 MHz CF Step: 600.000 kHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 1.30 dB Ref Value: 20.00 dBm Center: 2.440000 GHz #Res BW: 30.000 kHz #Video BW: 100.00 kHz Span: 6 MHz Sweep: 6.33 ms (1001 pts) Occupied Bandwidth: 2.0844 MHz Transmit Freq Error: 21.715 kHz x dB Bandwidth: 2.414 MHz Total Power: 9.47 dBm % of OBW Power: 99.00 % x dB: -26.00 dB Aug 27, 2026 5:18:02 PM
High ch	 Keysight Spectrum Analyzer 1 Occupied BW Center Frequency: 2.480000000 GHz Span: 6.0000 MHz CF Step: 600.000 kHz Freq Offset: 0 Hz Scale/Div: 10.0 dB Ref Lvl Offset: 1.30 dB Ref Value: 20.00 dBm Center: 2.480000 GHz #Res BW: 30.000 kHz #Video BW: 100.00 kHz Span: 6 MHz Sweep: 6.33 ms (1001 pts) Occupied Bandwidth: 2.0713 MHz Transmit Freq Error: 28.631 kHz x dB Bandwidth: 2.407 MHz Total Power: 9.28 dBm % of OBW Power: 99.00 % x dB: -26.00 dB Aug 27, 2026 5:21:12 PM

BLR C8

Low ch



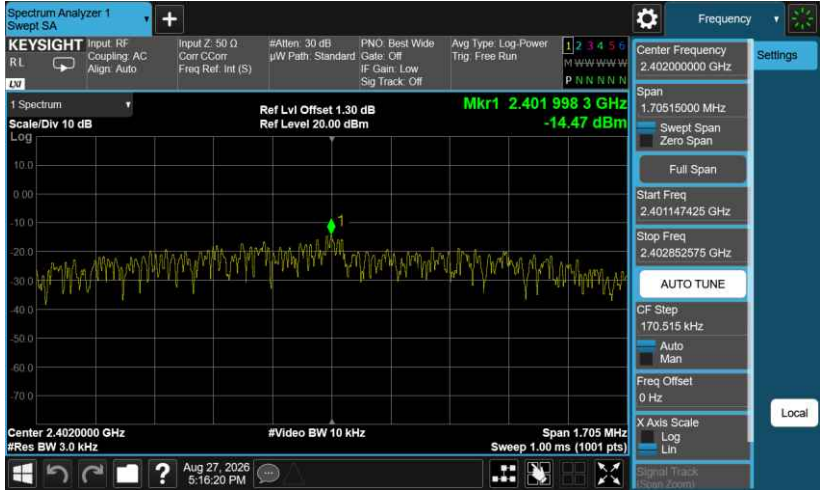
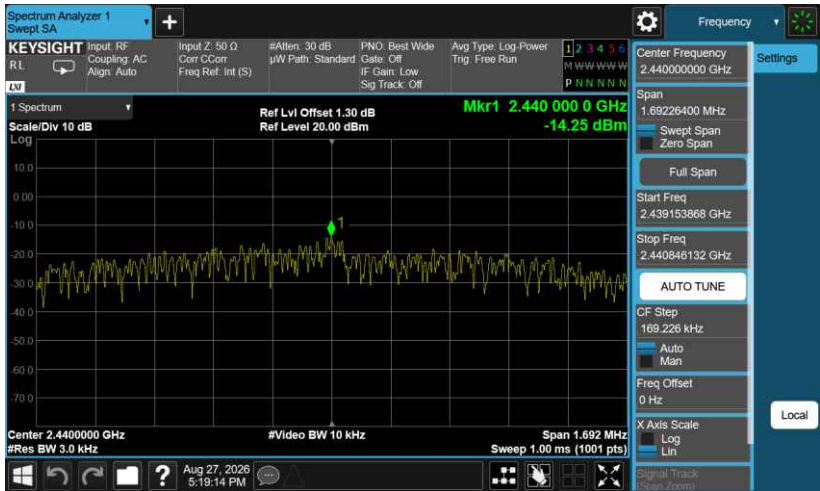
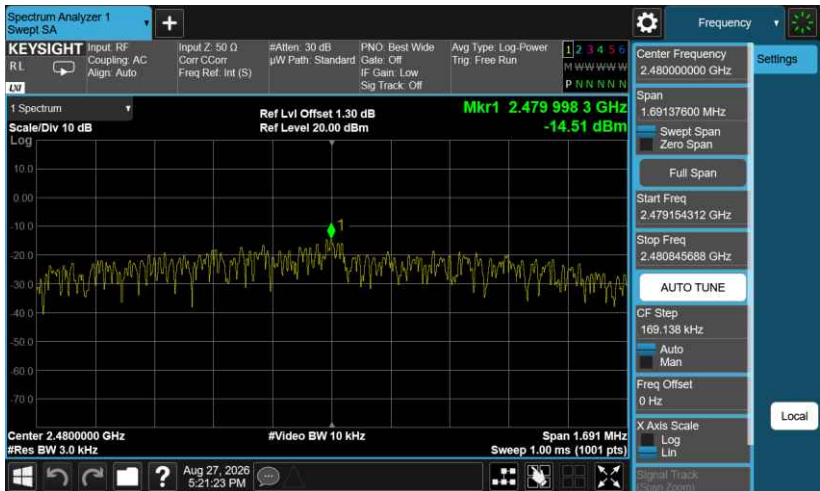
Mid ch



High ch



Power Density

BLE 2M	
Low ch	
Mid ch	
High ch	

BLR C8

Low ch



Mid ch



High ch

