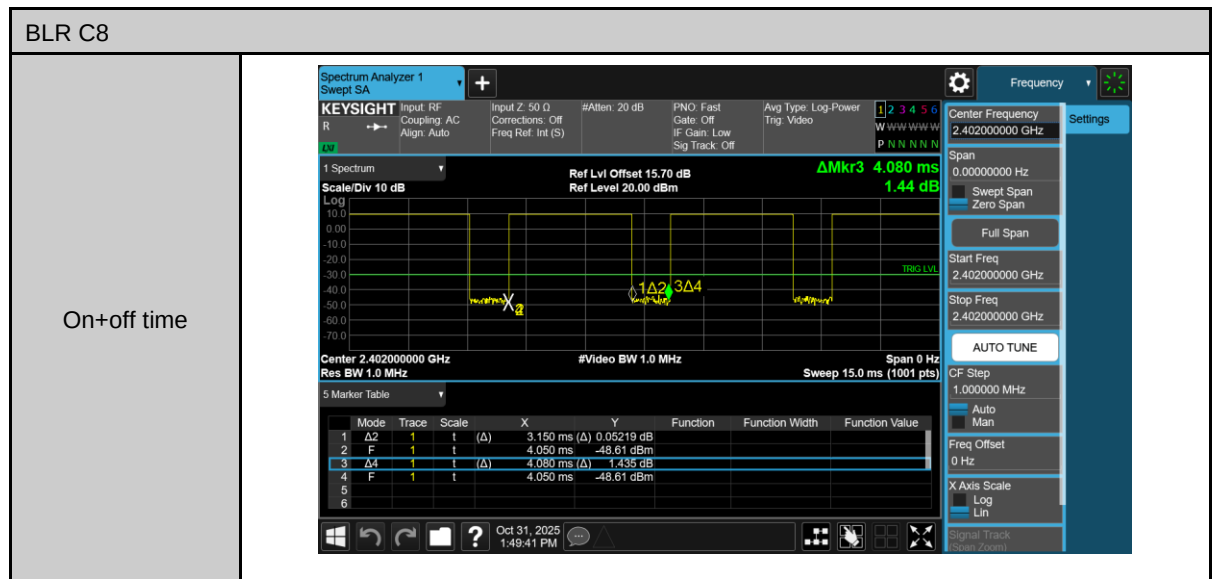
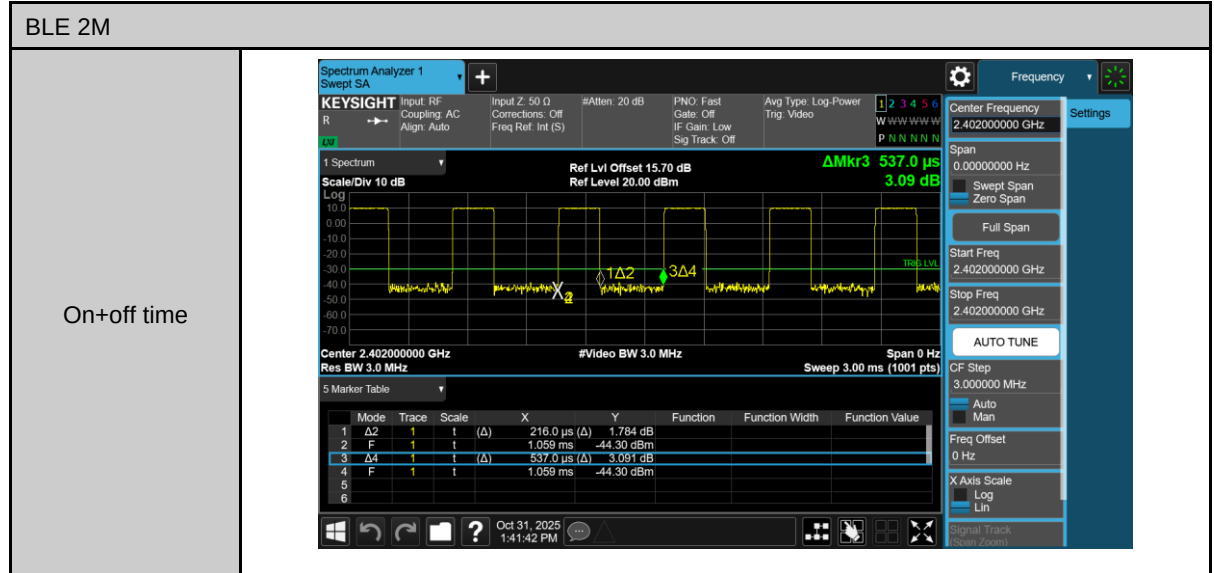


Appendix B. Test Plots

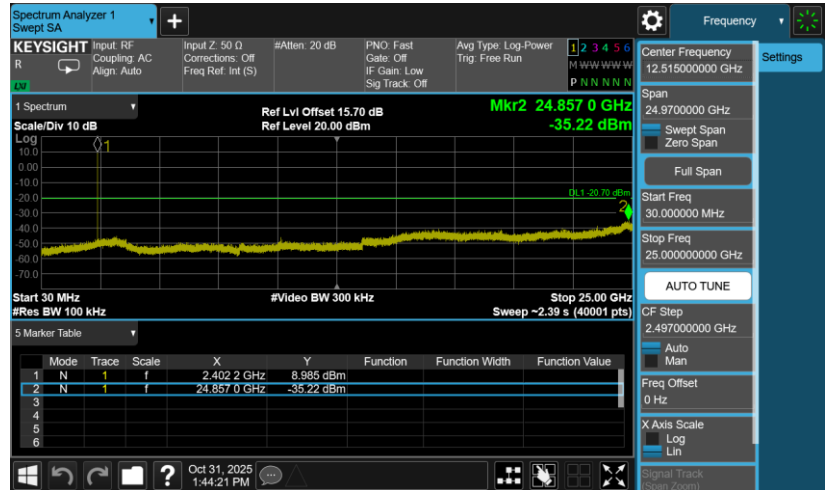
Duty cycle



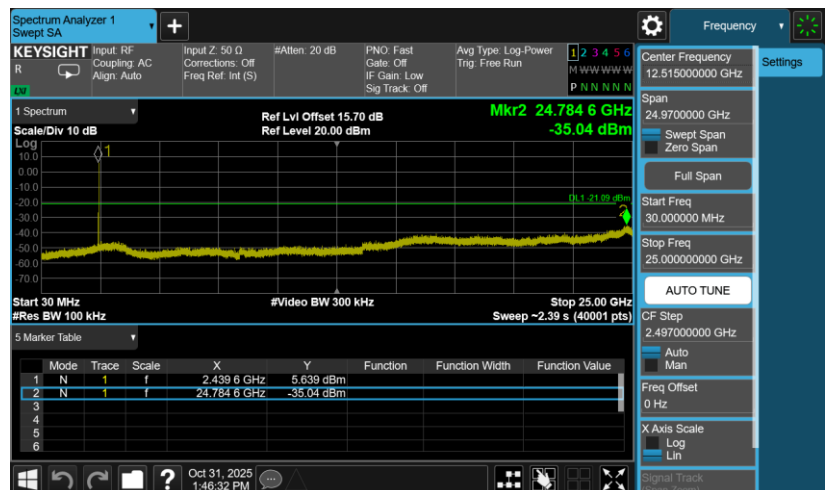
Out of Band Conducted Spurious Emission

BLE 2M

Low ch



Mid ch

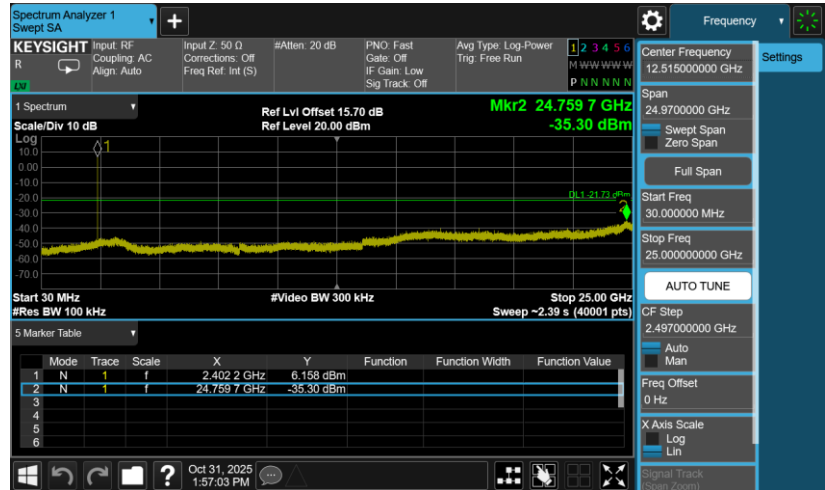


High ch

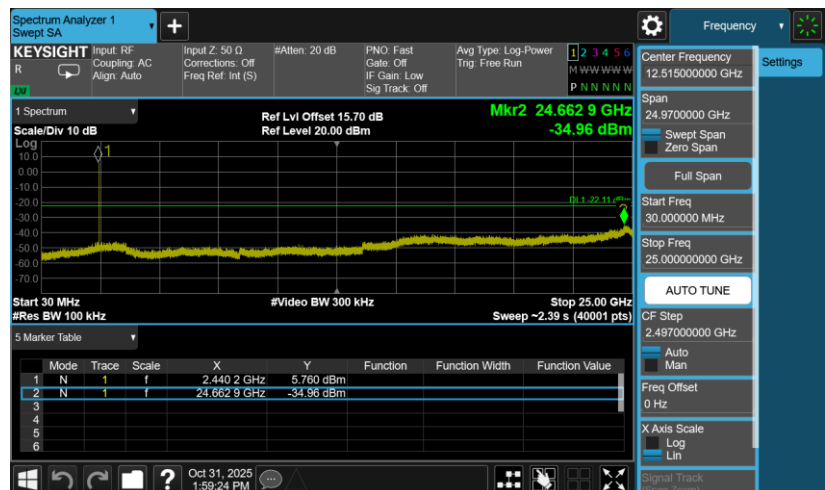


BLR C8

Low ch



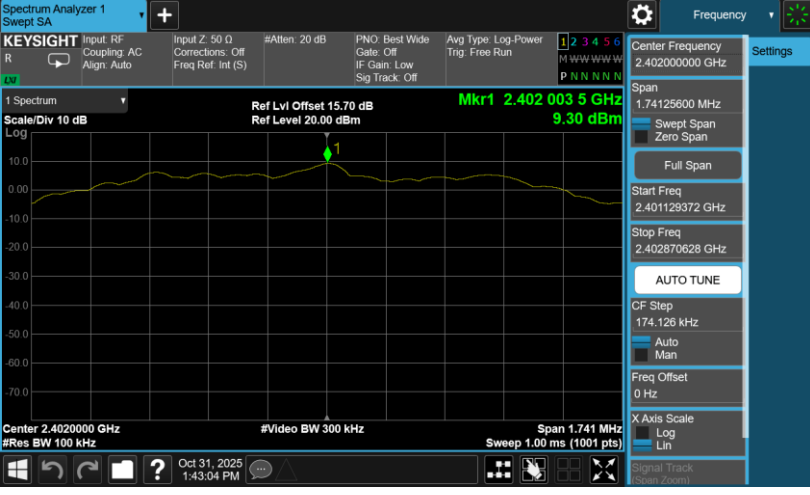
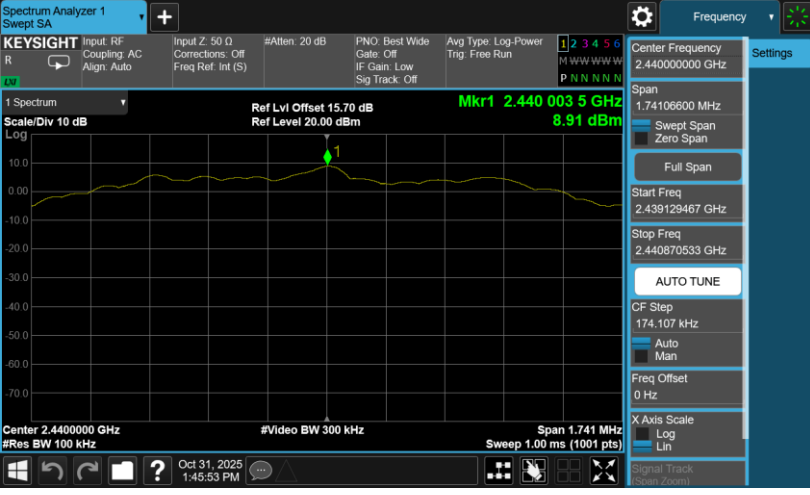
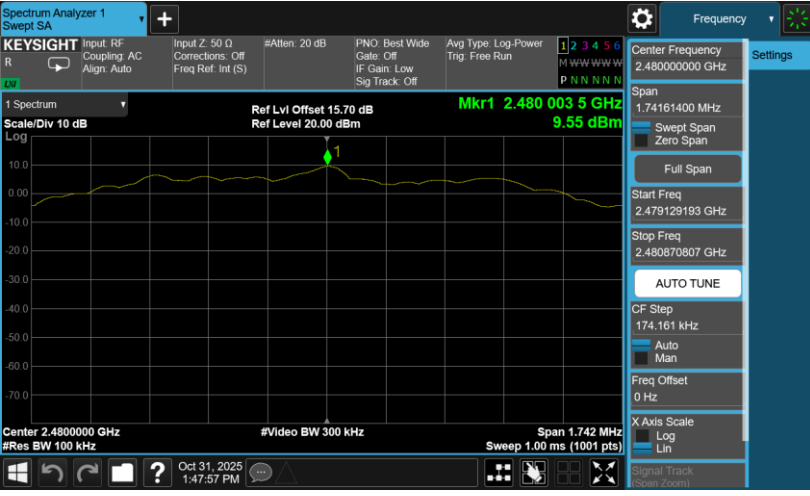
Mid ch



High ch

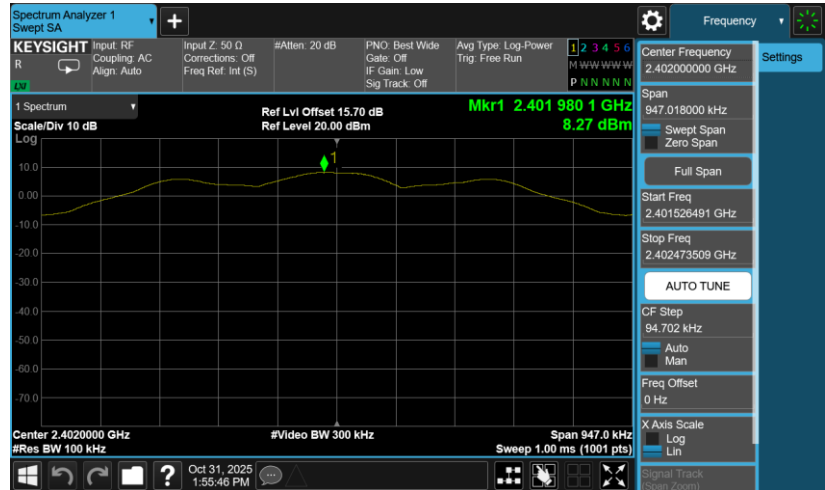


Reference level

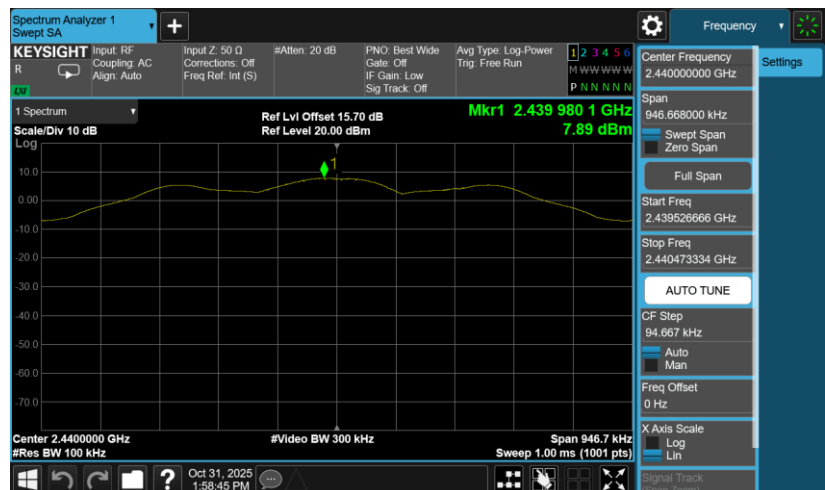
BLE 2M Low ch	
Mid ch	
High ch	

BLR C8

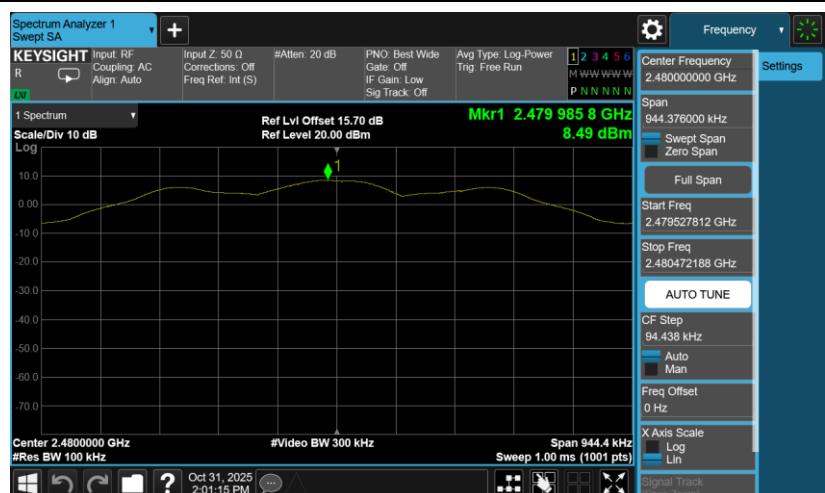
Low ch



Mid ch



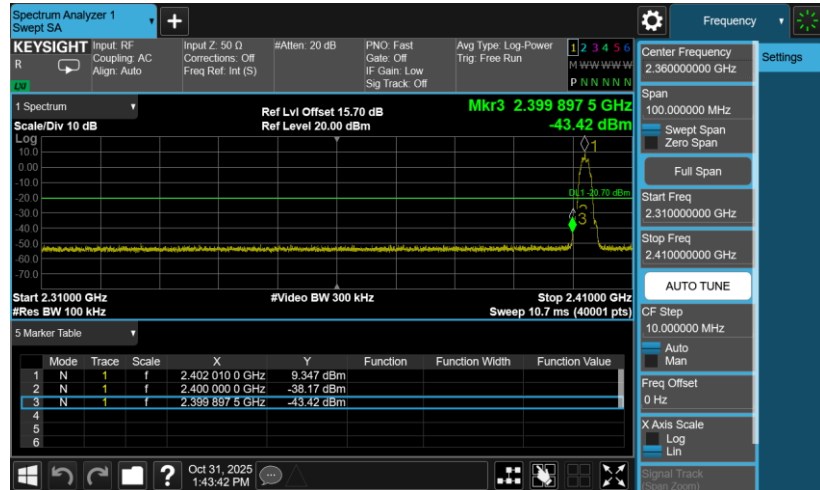
High ch



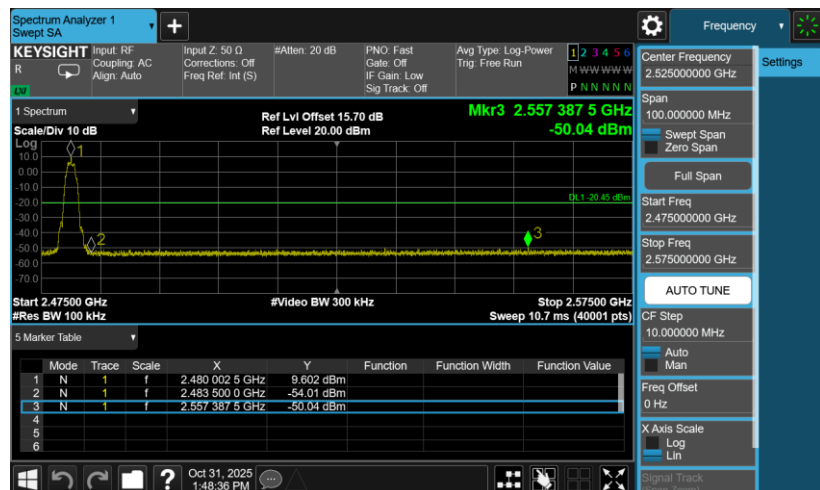
Conducted Band Edge

BLE 2M

Low ch

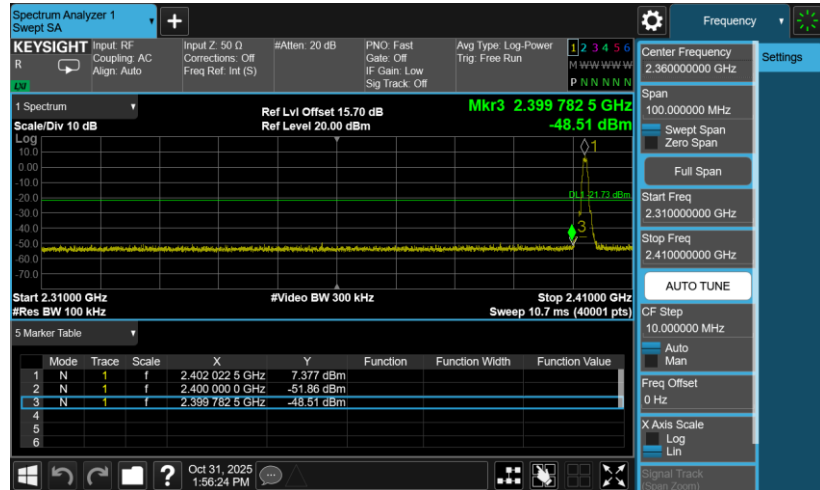


High ch

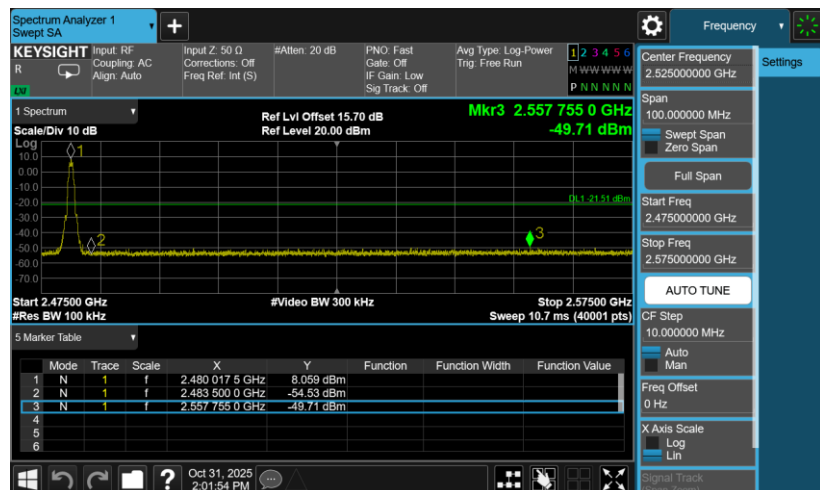


BLR C8

Low ch

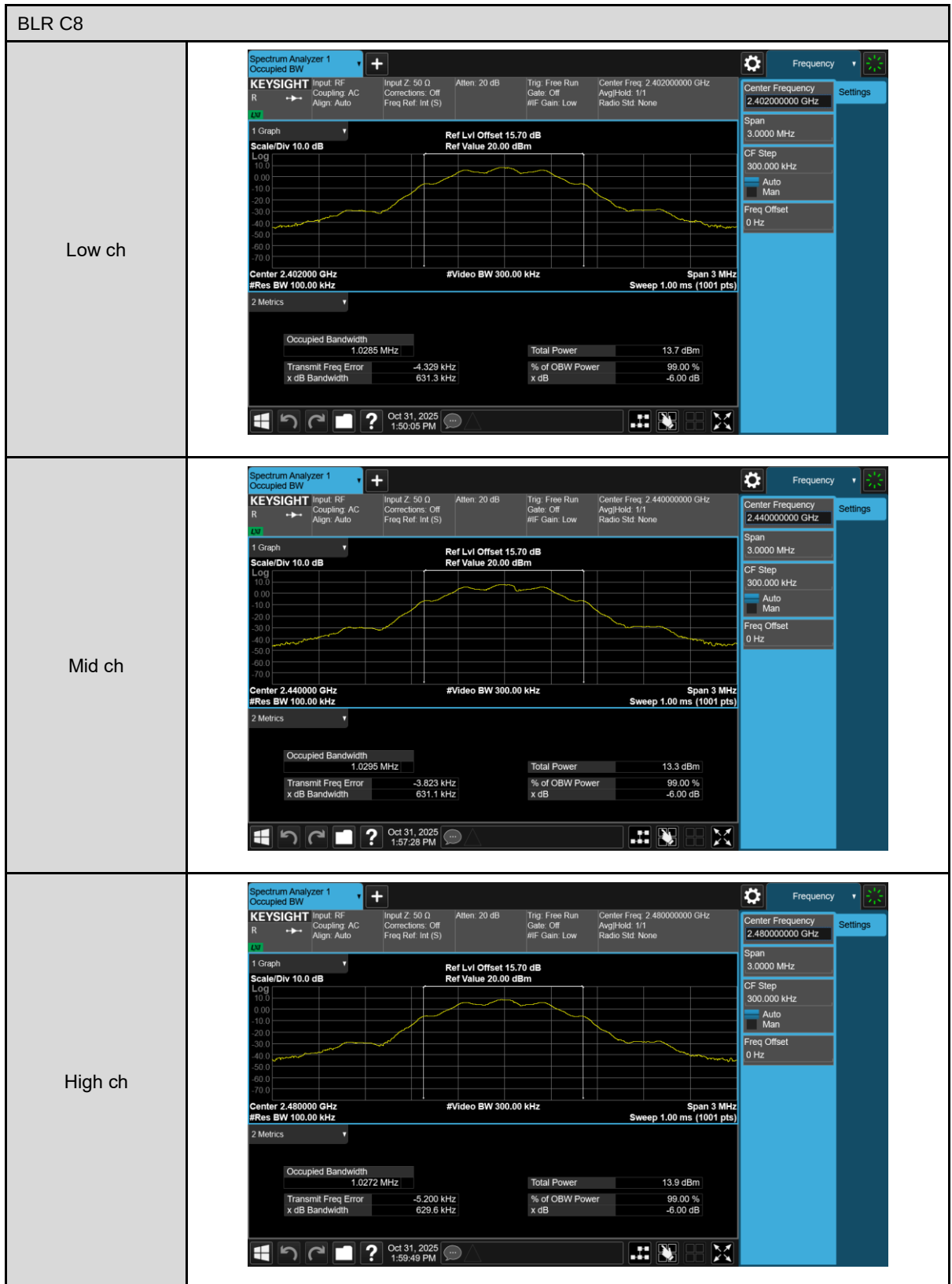


High ch

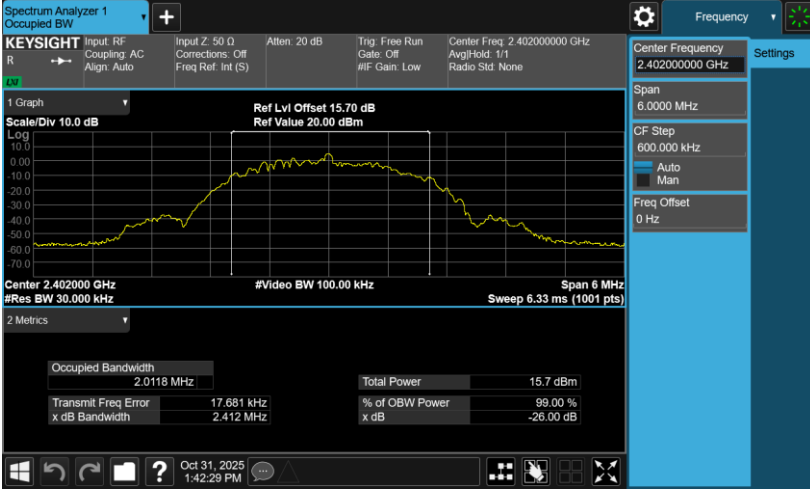


6 dB Bandwidth

BLE 2M Low ch	
Mid ch	
High ch	

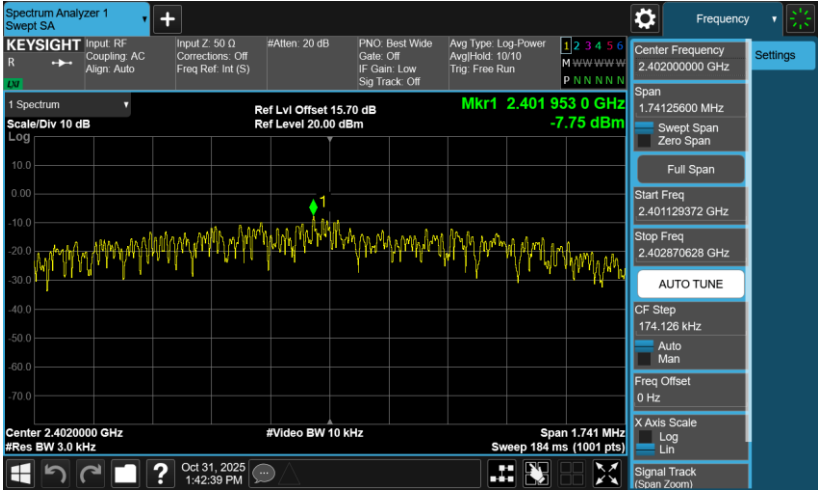
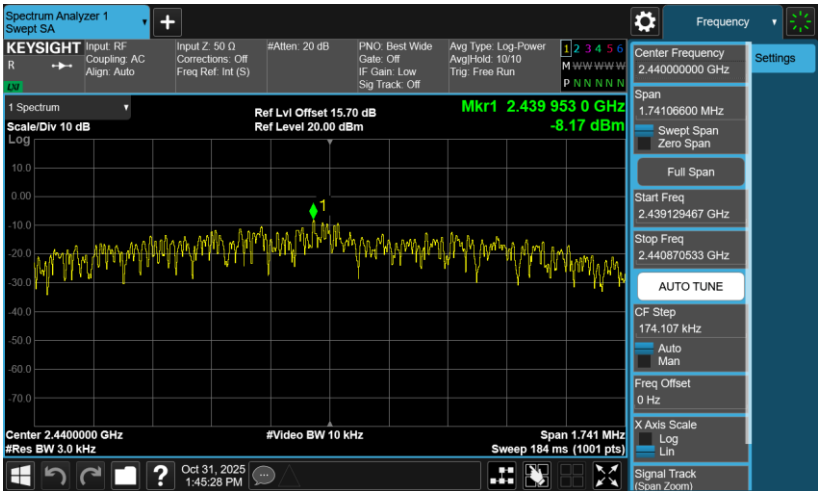
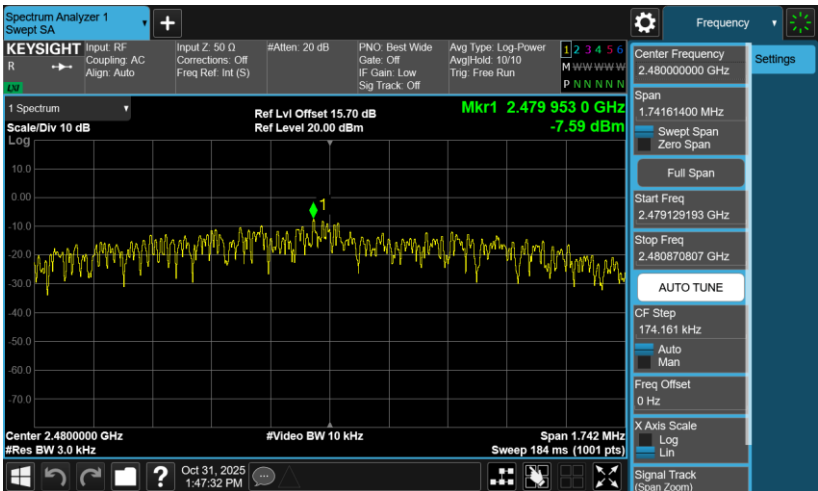


99 % Occupied Bandwidth

BLE 2M													
Low ch	 Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) Atten: 20 dB Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.40200000 GHz Avg/Hold: 1/1 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 15.70 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) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>2.0118 MHz</td><td>Total Power</td><td>15.7 dBm</td></tr><tr><td>Transmit Freq Error</td><td>17.681 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>2.412 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Oct 31, 2025 1:42:29 PM	Occupied Bandwidth	2.0118 MHz	Total Power	15.7 dBm	Transmit Freq Error	17.681 kHz	% of OBW Power	99.00 %	x dB Bandwidth	2.412 MHz	x dB	-26.00 dB
Occupied Bandwidth	2.0118 MHz	Total Power	15.7 dBm										
Transmit Freq Error	17.681 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	2.412 MHz	x dB	-26.00 dB										
Mid ch	 Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) Atten: 20 dB Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.44000000 GHz Avg/Hold: 1/1 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 15.70 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) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>2.0131 MHz</td><td>Total Power</td><td>15.3 dBm</td></tr><tr><td>Transmit Freq Error</td><td>19.604 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>2.412 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Oct 31, 2025 1:46:19 PM	Occupied Bandwidth	2.0131 MHz	Total Power	15.3 dBm	Transmit Freq Error	19.604 kHz	% of OBW Power	99.00 %	x dB Bandwidth	2.412 MHz	x dB	-26.00 dB
Occupied Bandwidth	2.0131 MHz	Total Power	15.3 dBm										
Transmit Freq Error	19.604 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	2.412 MHz	x dB	-26.00 dB										
High ch	 Spectrum Analyzer 1 Occupied BW KEYSIGHT Input: RF Coupling: AC Align: Auto Input Z: 50 Ω Corrections: Off Freq Ref: Int (S) Atten: 20 dB Trig: Free Run Gate: Off #IF Gain: Low Center Freq: 2.48000000 GHz Avg/Hold: 1/1 Radio Std: None 1 Graph Scale/Div 10.0 dB Log Ref Lvl Offset 15.70 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) 2 Metrics <table><tr><td>Occupied Bandwidth</td><td>2.0117 MHz</td><td>Total Power</td><td>16.0 dBm</td></tr><tr><td>Transmit Freq Error</td><td>16.966 kHz</td><td>% of OBW Power</td><td>99.00 %</td></tr><tr><td>x dB Bandwidth</td><td>2.414 MHz</td><td>x dB</td><td>-26.00 dB</td></tr></table> Oct 31, 2025 1:47:23 PM	Occupied Bandwidth	2.0117 MHz	Total Power	16.0 dBm	Transmit Freq Error	16.966 kHz	% of OBW Power	99.00 %	x dB Bandwidth	2.414 MHz	x dB	-26.00 dB
Occupied Bandwidth	2.0117 MHz	Total Power	16.0 dBm										
Transmit Freq Error	16.966 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	2.414 MHz	x dB	-26.00 dB										

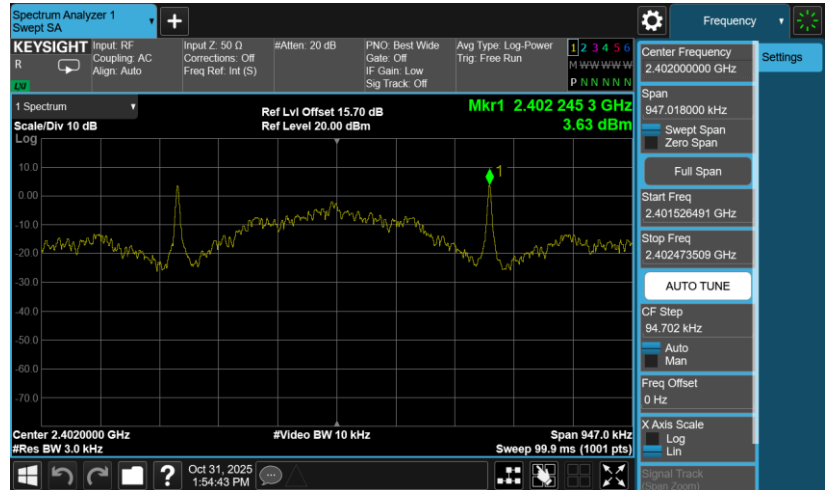
BLR C8 Low ch	
Mid ch	
High ch	

Power Density

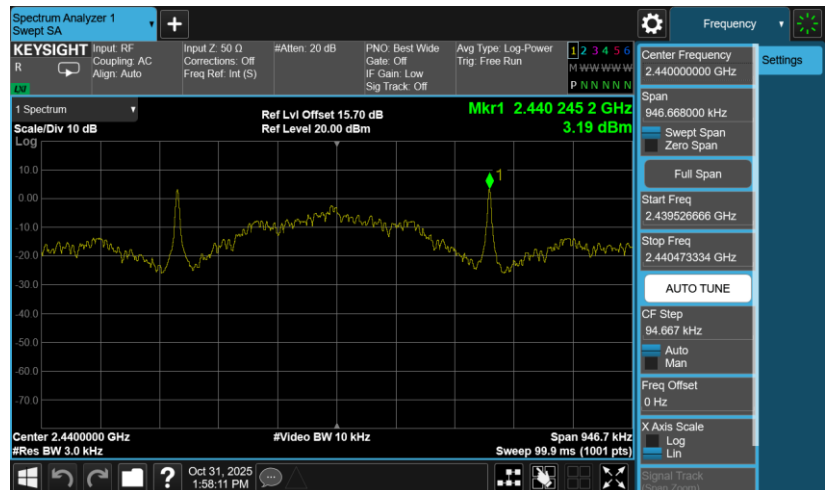
BLE 2M	
Low ch	 Center Frequency: 2.40200000 GHz Span: 1.74125600 MHz Start Freq: 2.401129372 GHz Stop Freq: 2.402870628 GHz Mkr1: 2.401953 0 GHz, -7.75 dBm Ref Lvl Offset: 15.70 dB, Ref Level: 20.00 dBm Center: 2.4020000 GHz, #Res BW: 3.0 kHz, #Video BW: 10 kHz, Span: 1.741 MHz, Sweep: 184 ms (1001 pts)
Mid ch	 Center Frequency: 2.44000000 GHz Span: 1.74106600 MHz Start Freq: 2.439129467 GHz Stop Freq: 2.440870533 GHz Mkr1: 2.439953 0 GHz, -8.17 dBm Ref Lvl Offset: 15.70 dB, Ref Level: 20.00 dBm Center: 2.4400000 GHz, #Res BW: 3.0 kHz, #Video BW: 10 kHz, Span: 1.741 MHz, Sweep: 184 ms (1001 pts)
High ch	 Center Frequency: 2.48000000 GHz Span: 1.74161400 MHz Start Freq: 2.479129193 GHz Stop Freq: 2.480870807 GHz Mkr1: 2.479953 0 GHz, -7.59 dBm Ref Lvl Offset: 15.70 dB, Ref Level: 20.00 dBm Center: 2.4800000 GHz, #Res BW: 3.0 kHz, #Video BW: 10 kHz, Span: 1.742 MHz, Sweep: 184 ms (1001 pts)

BLR C8

Low ch



Mid ch



High ch

