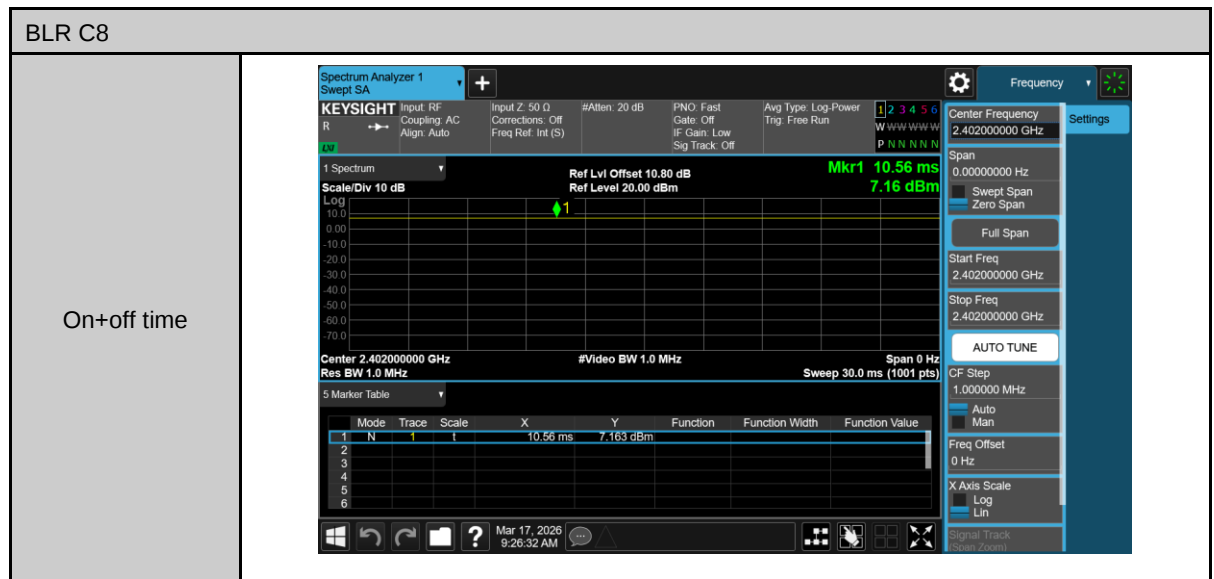
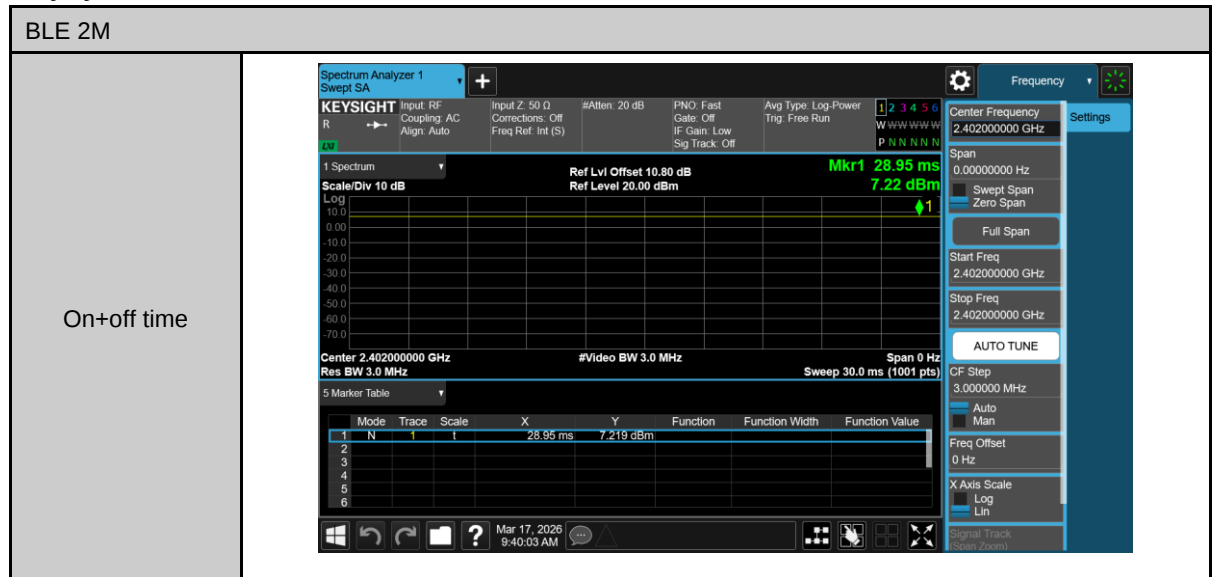
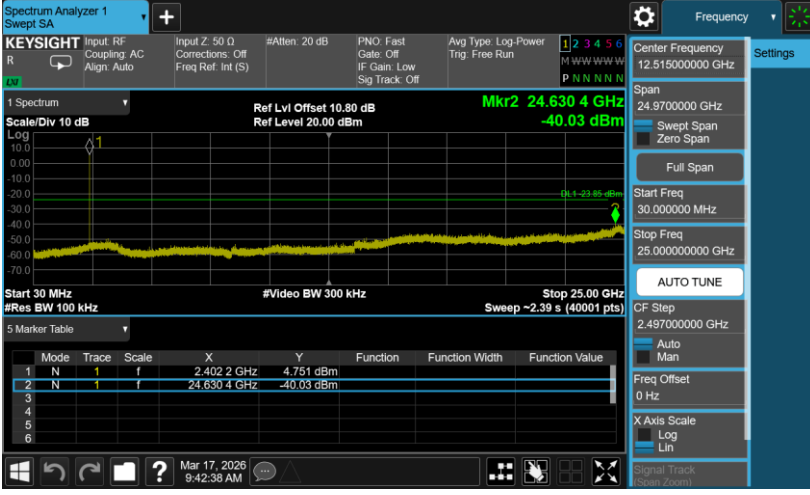
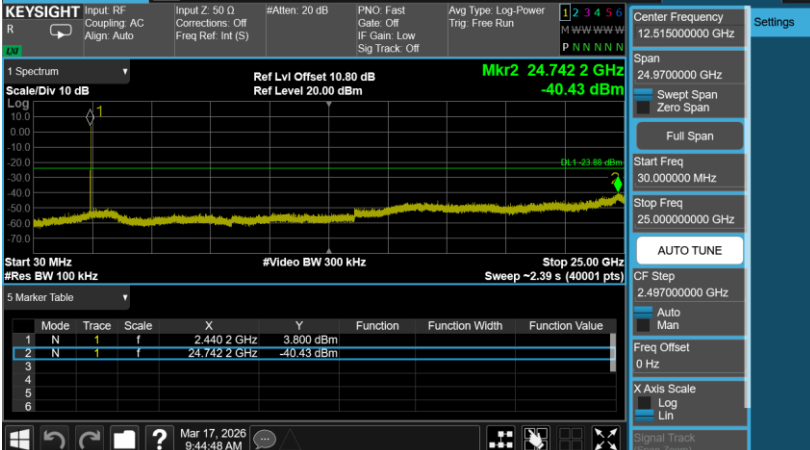
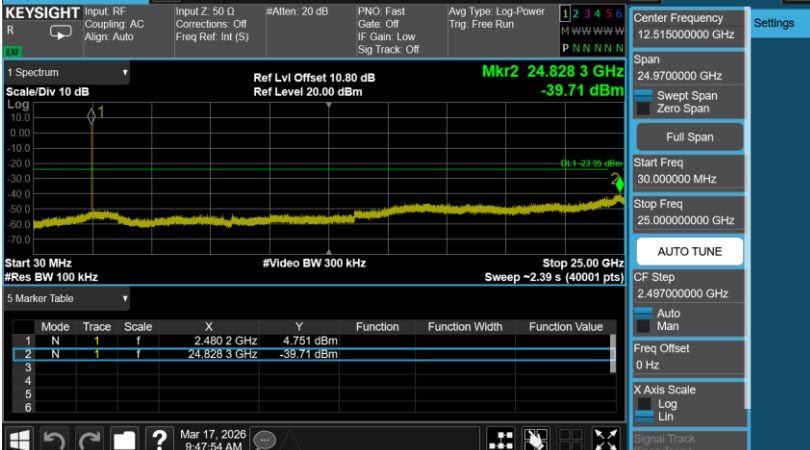


Appendix B. Test Plots

Duty cycle

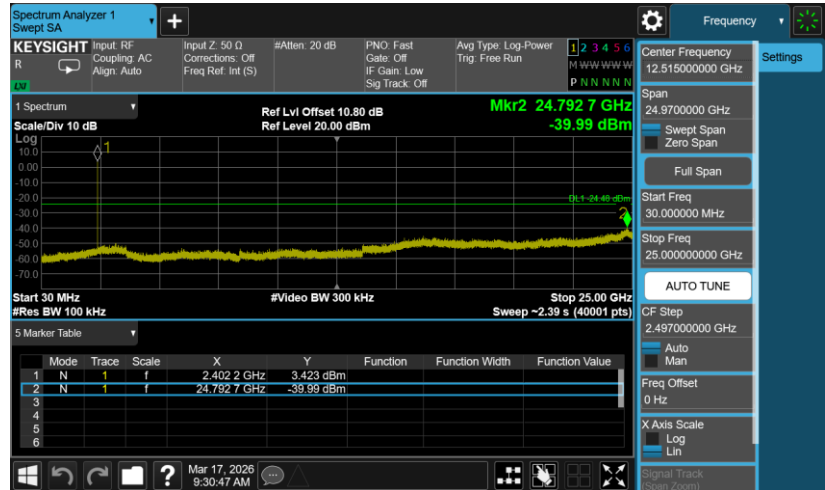


Out of Band Conducted Spurious Emission

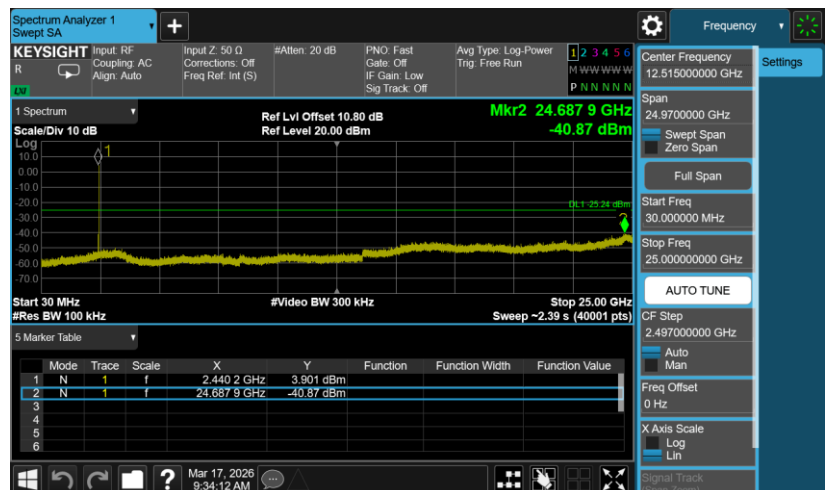
BLE 2M																									
Low ch	 Center Frequency 12.51500000 GHz Span 24.9700000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz Mkr2 24.630 4 GHz -40.03 dBm <table><tr><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>2.402 2 GHz</td><td>4.751 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>24.630 4 GHz</td><td>-40.03 dBm</td><td></td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	2.402 2 GHz	4.751 dBm				2	N	1	24.630 4 GHz	-40.03 dBm			
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value																		
1	N	1	2.402 2 GHz	4.751 dBm																					
2	N	1	24.630 4 GHz	-40.03 dBm																					
Mid ch	 Center Frequency 12.51500000 GHz Span 24.9700000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz Mkr2 24.742 2 GHz -40.43 dBm <table><tr><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>2.440 2 GHz</td><td>3.800 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>24.742 2 GHz</td><td>-40.43 dBm</td><td></td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	2.440 2 GHz	3.800 dBm				2	N	1	24.742 2 GHz	-40.43 dBm			
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value																		
1	N	1	2.440 2 GHz	3.800 dBm																					
2	N	1	24.742 2 GHz	-40.43 dBm																					
High ch	 Center Frequency 12.51500000 GHz Span 24.9700000 GHz Start Freq 30.000000 MHz Stop Freq 25.00000000 GHz Mkr2 24.828 3 GHz -39.71 dBm <table><tr><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>2.480 2 GHz</td><td>4.751 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>24.828 3 GHz</td><td>-39.71 dBm</td><td></td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	2.480 2 GHz	4.751 dBm				2	N	1	24.828 3 GHz	-39.71 dBm			
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value																		
1	N	1	2.480 2 GHz	4.751 dBm																					
2	N	1	24.828 3 GHz	-39.71 dBm																					

BLR C8

Low ch



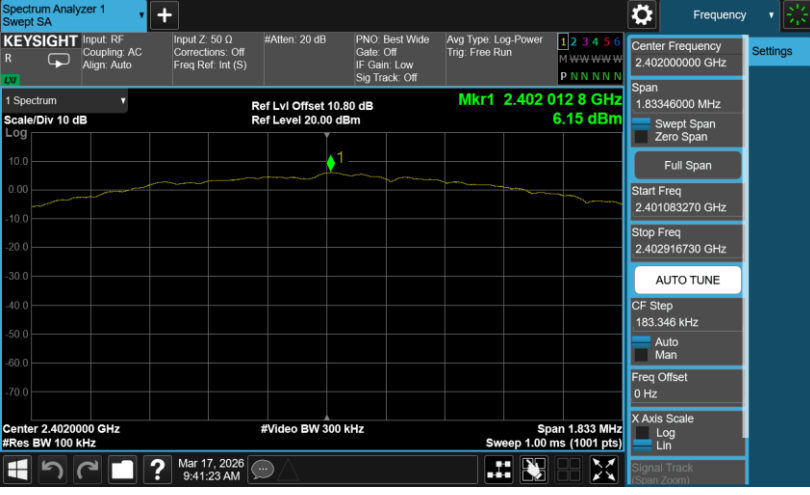
Mid ch



High ch

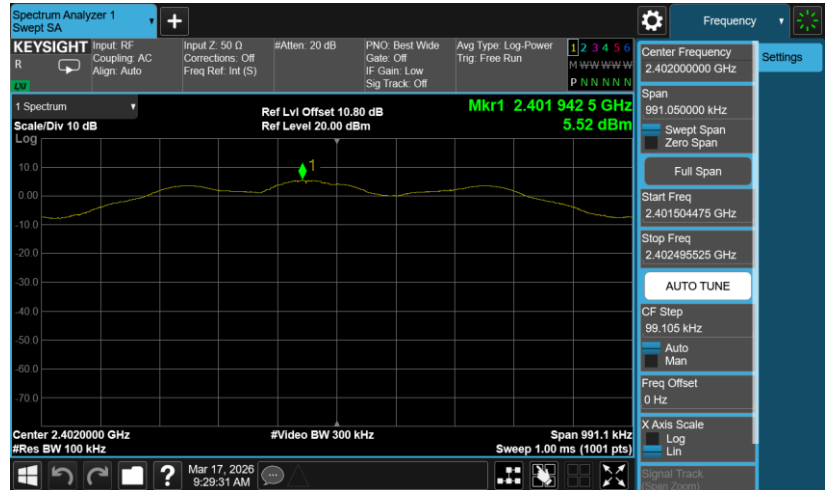


Reference level

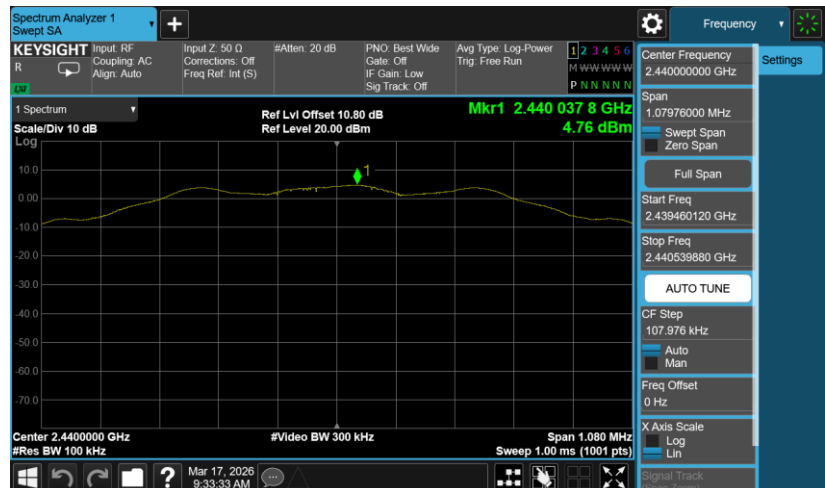
BLE 2M Low ch	 Center Frequency: 2.40200000 GHz Span: 1.83346000 MHz Start Freq: 2.401083270 GHz Stop Freq: 2.402916730 GHz Center Frequency: 2.4020128 GHz Power: 6.15 dBm Ref Level: 20.00 dBm Ref Lvl Offset: 10.80 dB Span: 1.833 MHz Center: 2.4020000 GHz #Res BW: 100 kHz #Video BW: 300 kHz Sweep: 1.00 ms (1001 pts)
Mid ch	 Center Frequency: 2.44000000 GHz Span: 1.88147400 MHz Start Freq: 2.439059263 GHz Stop Freq: 2.440940737 GHz Center Frequency: 2.4400207 GHz Power: 6.12 dBm Ref Level: 20.00 dBm Ref Lvl Offset: 10.80 dB Span: 1.881 MHz Center: 2.4400000 GHz #Res BW: 100 kHz #Video BW: 300 kHz Sweep: 1.00 ms (1001 pts)
High ch	 Center Frequency: 2.48000000 GHz Span: 1.84041600 MHz Start Freq: 2.479079792 GHz Stop Freq: 2.480920208 GHz Center Frequency: 2.4800166 GHz Power: 6.05 dBm Ref Level: 20.00 dBm Ref Lvl Offset: 10.80 dB Span: 1.840 MHz Center: 2.4800000 GHz #Res BW: 100 kHz #Video BW: 300 kHz Sweep: 1.00 ms (1001 pts)

BLR C8

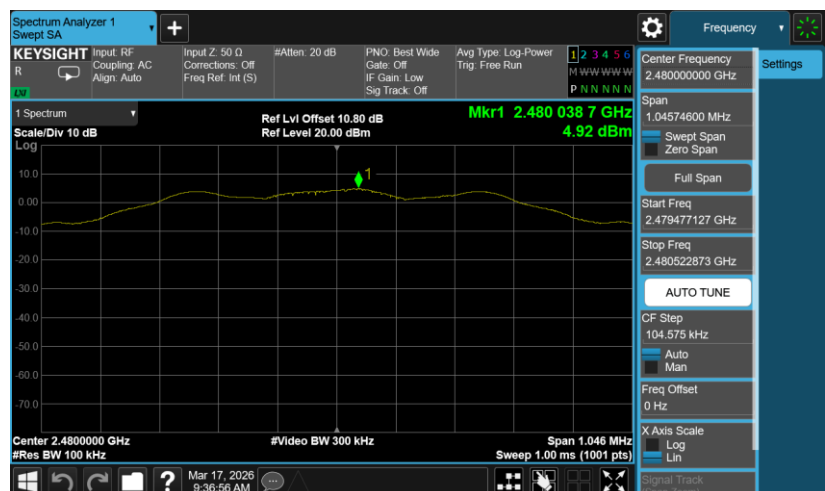
Low ch



Mid ch



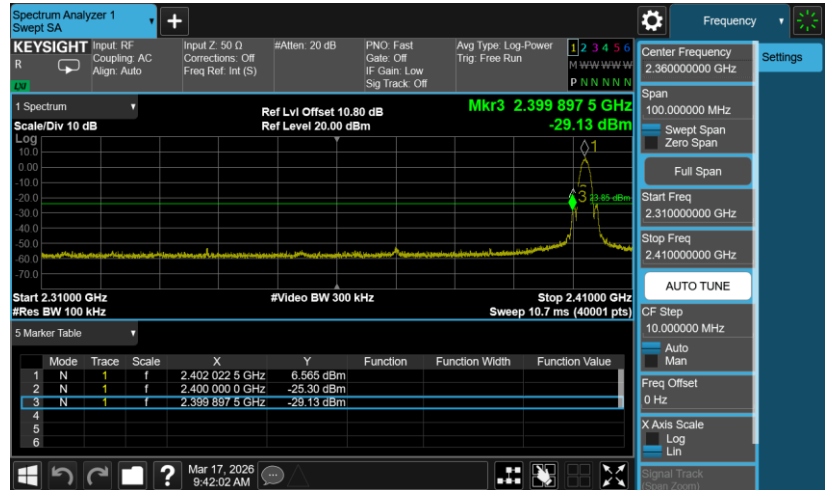
High ch



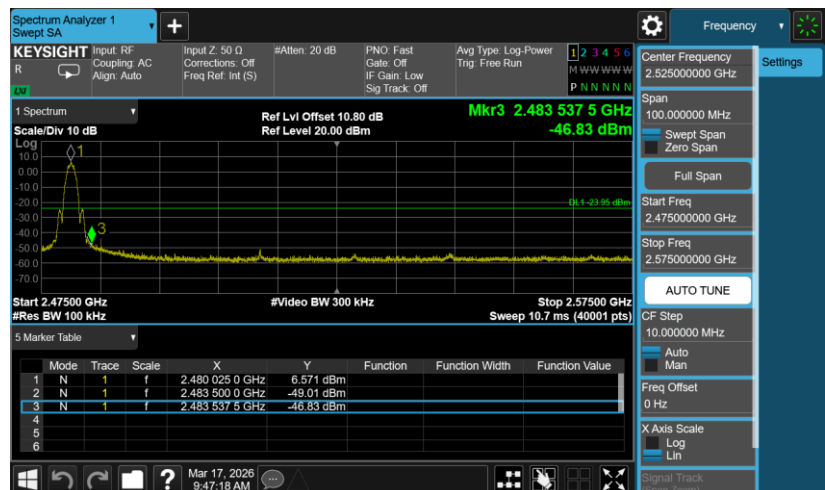
Conducted Band Edge

BLE 2M

Low ch

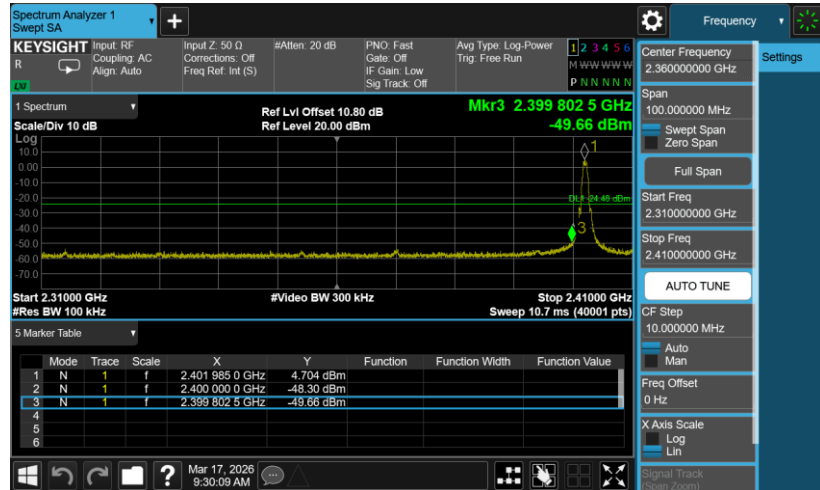


High ch

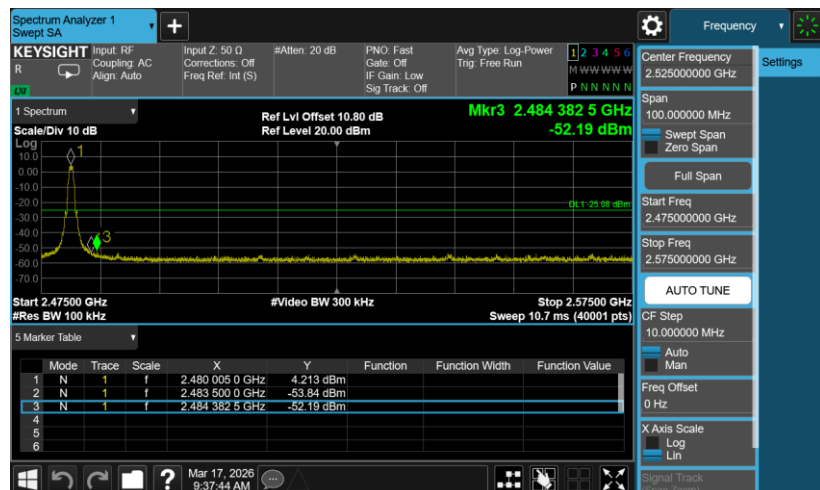


BLR C8

Low ch

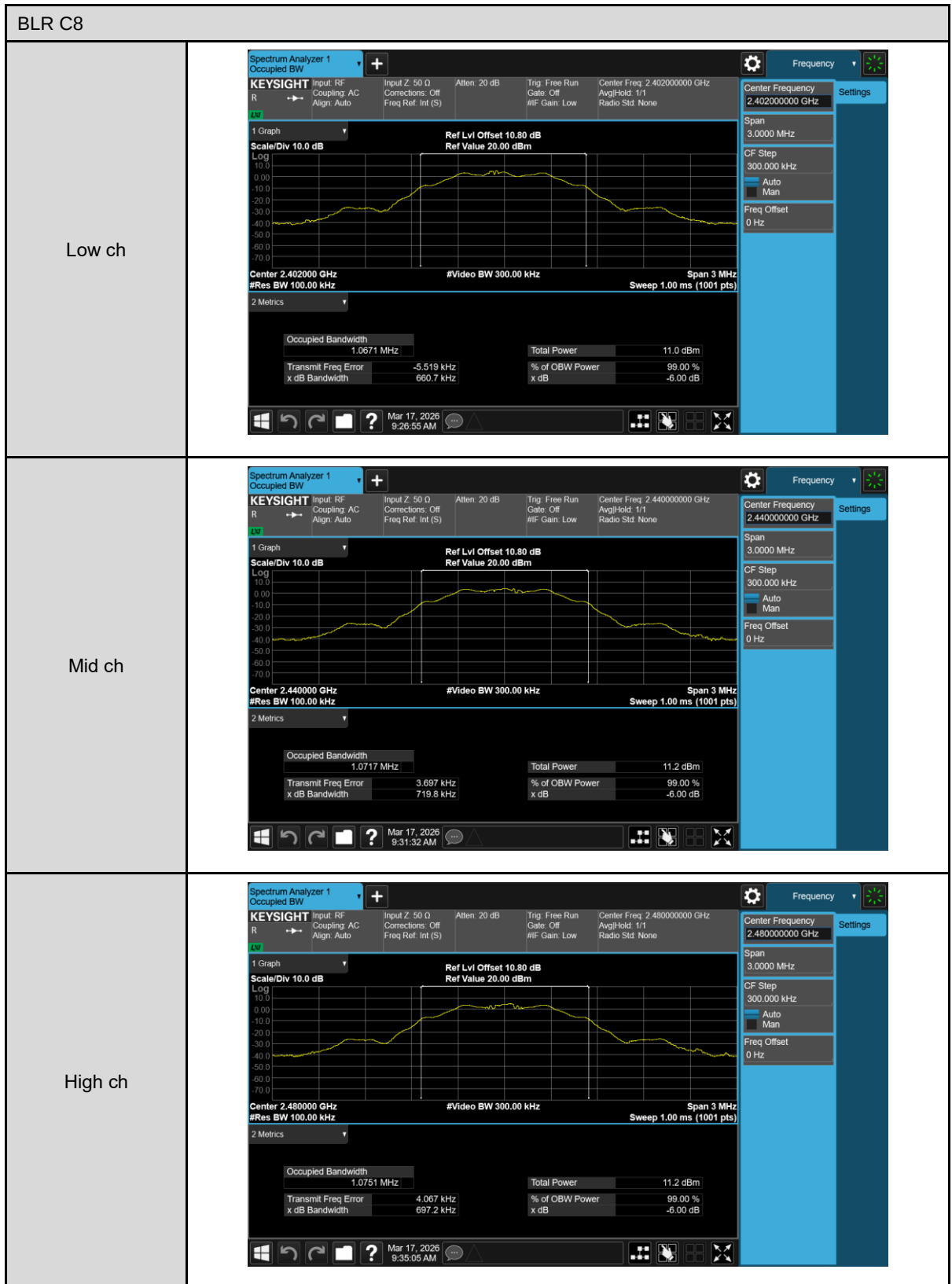


High ch



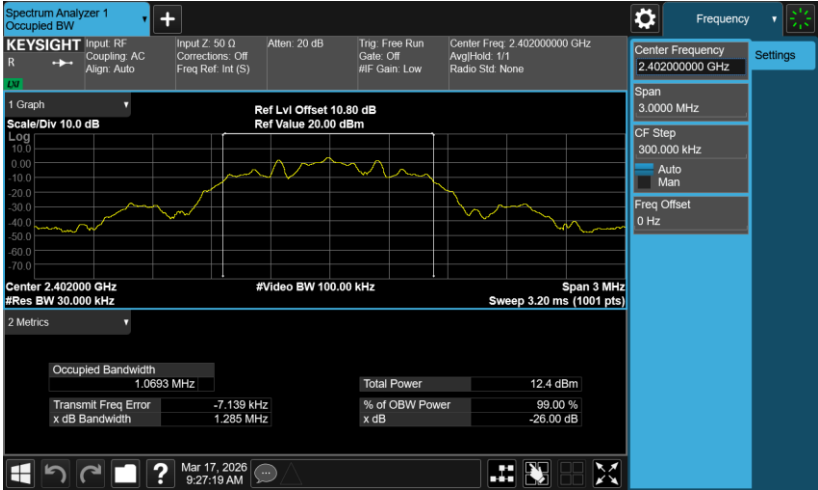
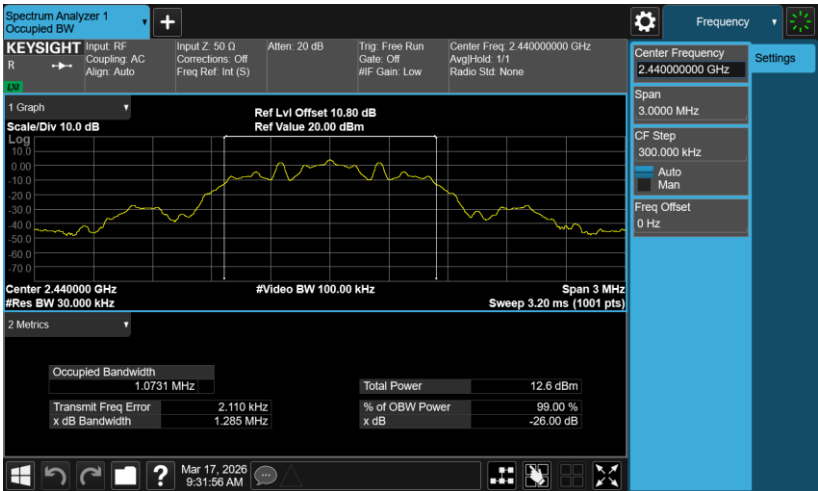
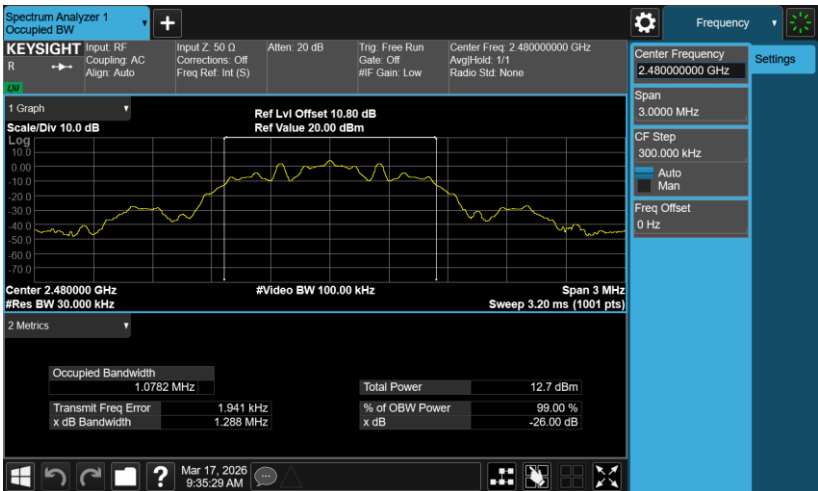
6 dB Bandwidth

BLE 2M Low ch	
Mid ch	
High ch	



99 % Occupied Bandwidth

BLE 2M	
Low ch	
Mid ch	
High ch	

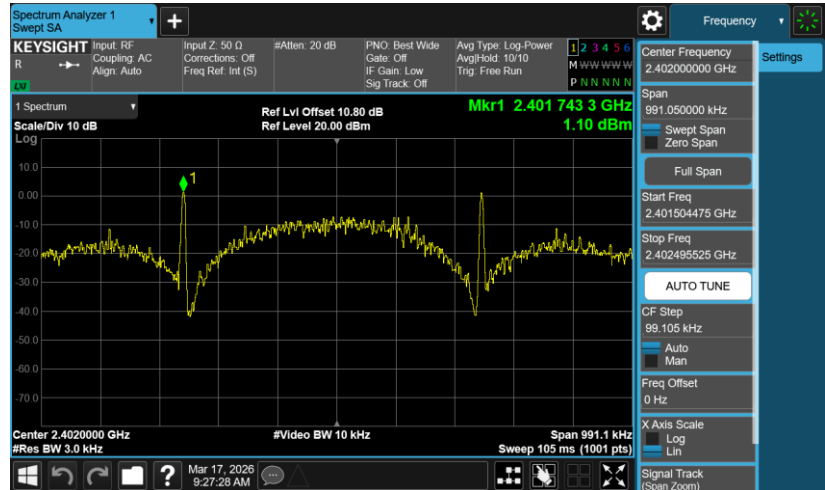
BLR C8	 Low ch
Mid ch	 Mid ch
High ch	 High ch

Power Density

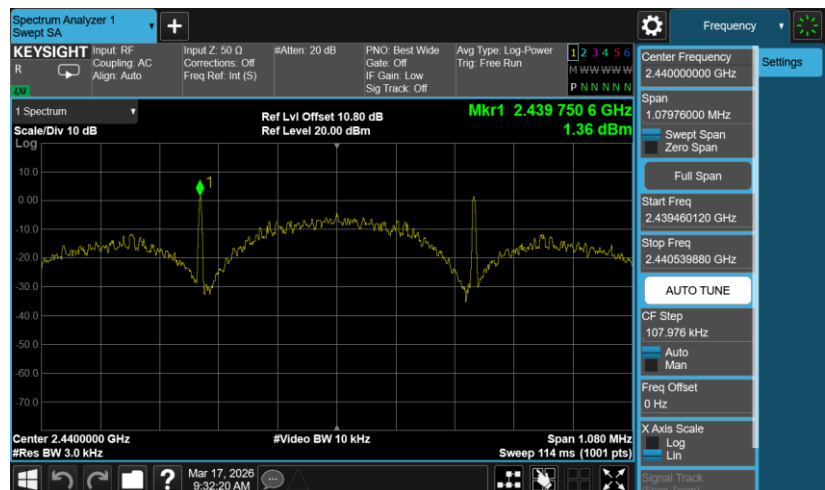
BLE 2M	
Low ch	Center Frequency: 2.40200000 GHz Span: 1.83346000 MHz Start Freq: 2.401083270 GHz Stop Freq: 2.402916730 GHz Mkr1: 2.4018918 GHz, -8.26 dBm Center: 2.4020000 GHz, #Res BW 3.0 kHz, #Video BW 10 kHz, Sweep 193 ms (1001 pts)
Mid ch	Center Frequency: 2.44000000 GHz Span: 1.88147400 MHz Start Freq: 2.439059263 GHz Stop Freq: 2.440940737 GHz Mkr1: 2.4401091 GHz, -7.64 dBm Center: 2.4400000 GHz, #Res BW 3.0 kHz, #Video BW 10 kHz, Sweep 198 ms (1001 pts)
High ch	Center Frequency: 2.48000000 GHz Span: 1.84041600 MHz Start Freq: 2.479079792 GHz Stop Freq: 2.480920208 GHz Mkr1: 2.4800221 GHz, -9.38 dBm Center: 2.4800000 GHz, #Res BW 3.0 kHz, #Video BW 10 kHz, Sweep 194 ms (1001 pts)

BLR C8

Low ch



Mid ch



High ch

