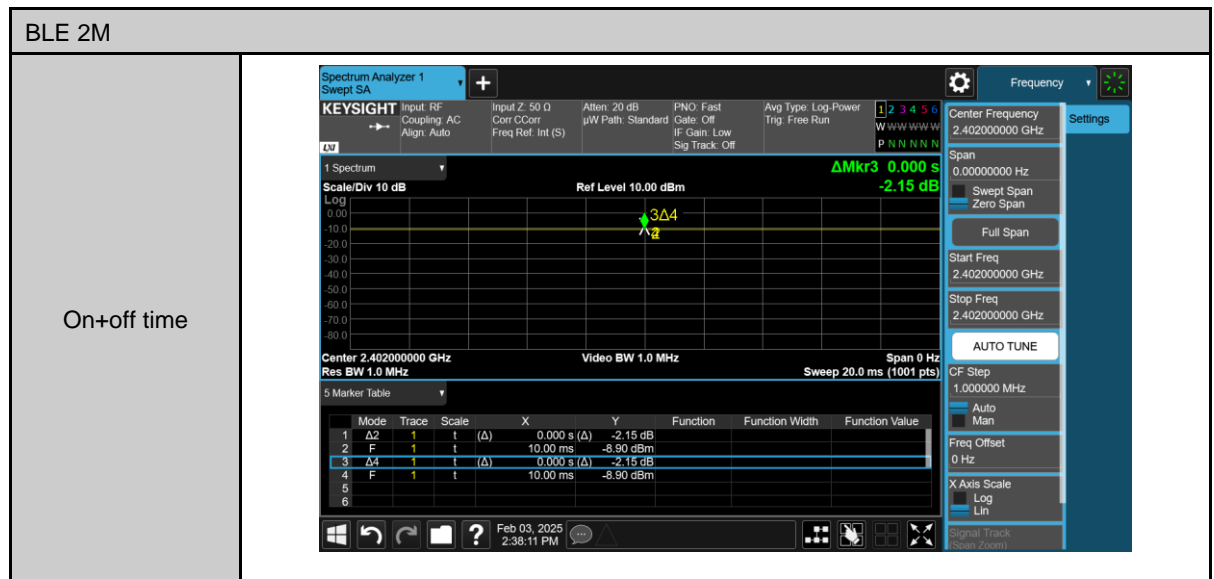
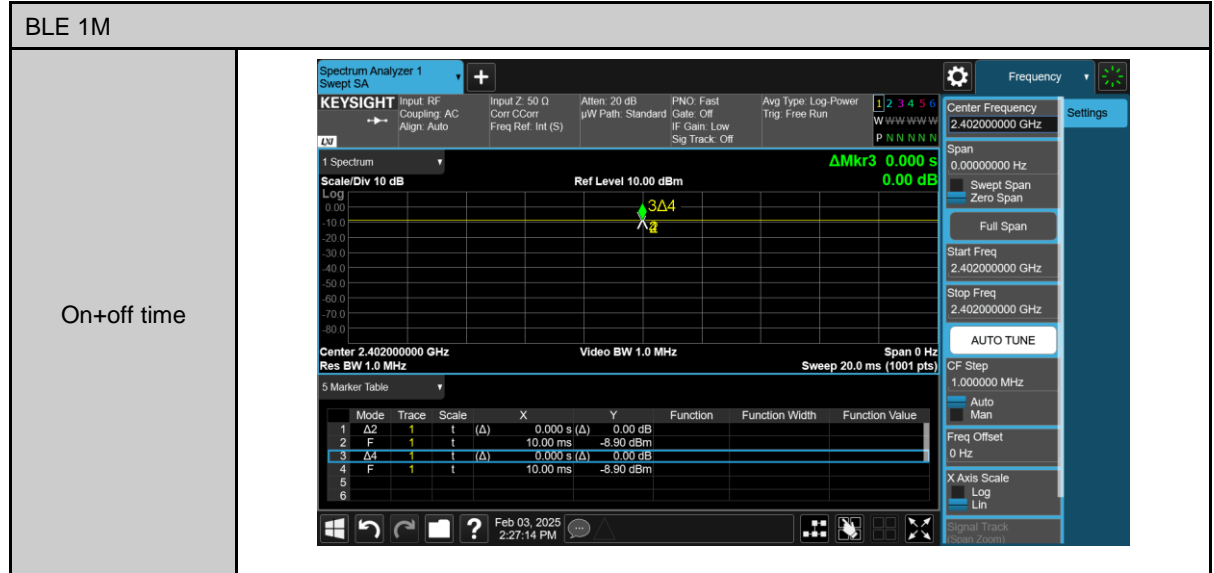


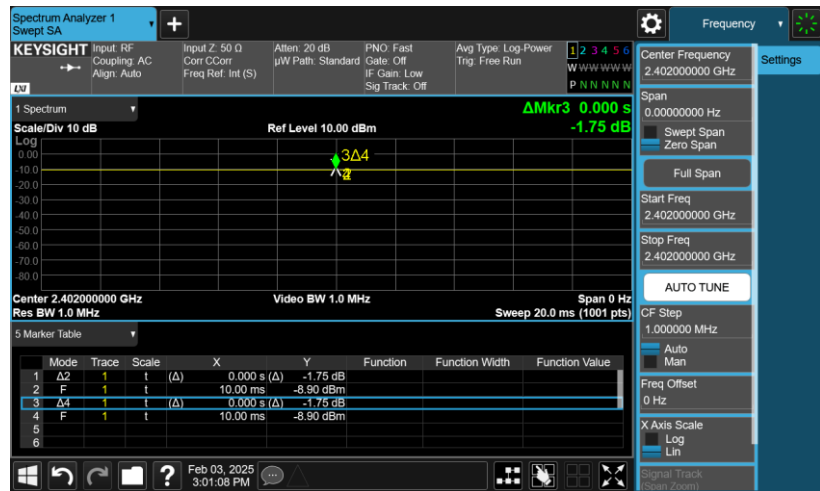
Appendix B. Test Plots

Duty cycle



BLR C2

On+off time

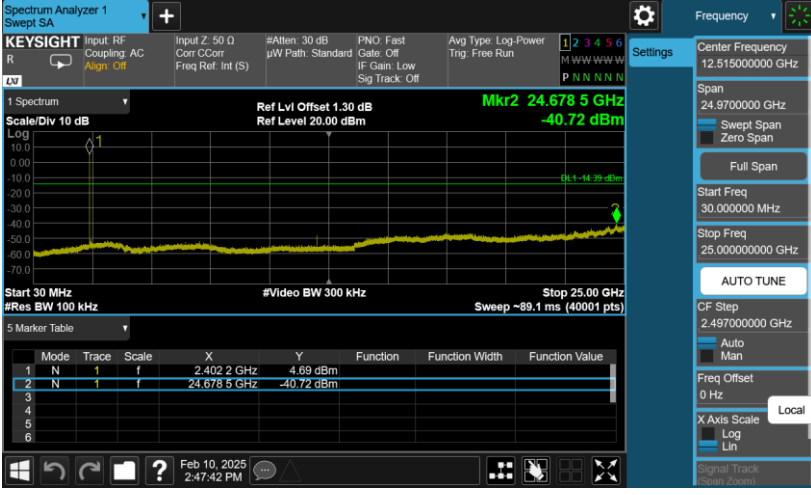
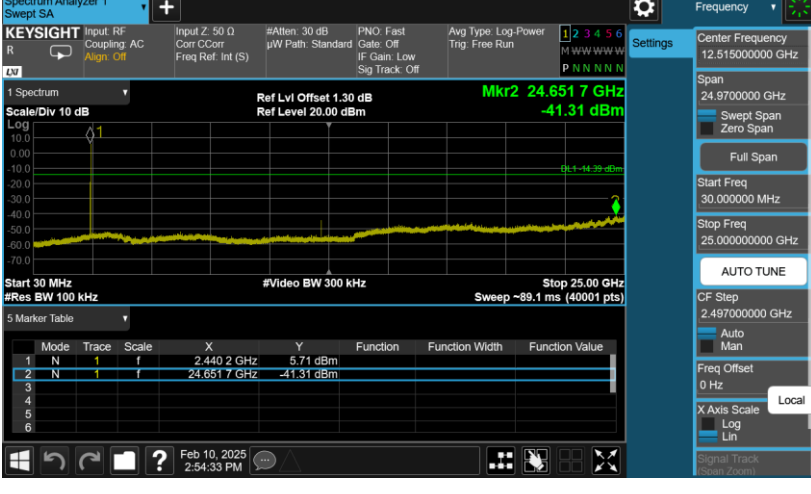



BLR C8

On+off time

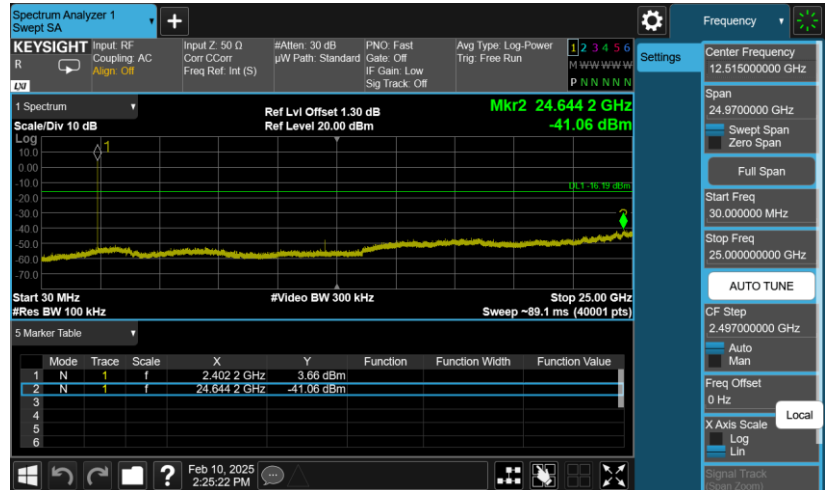


Out of Band Conducted Spurious Emission

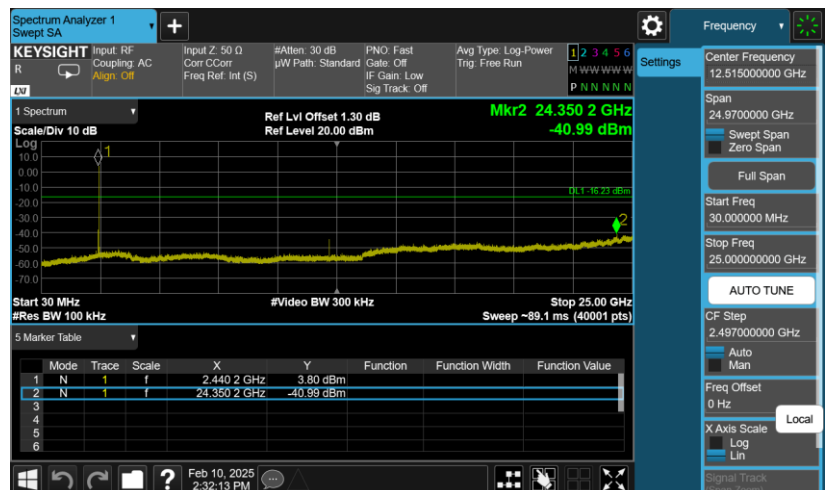
BLE 2M																									
Low ch	 <p>Frequency: 12.515000000 GHz</p> <p>Span: 24.9700000 GHz</p> <p>Start Freq: 30.0000000 MHz</p> <p>Stop Freq: 25.000000000 GHz</p> <p>Center Frequency: 12.515000000 GHz</p> <p>Scale/Div 10 dB</p> <p>Ref Lvl Offset 1.30 dB</p> <p>Ref Level 20.00 dBm</p> <p>Mkr2 24.678 5 GHz</p> <p>-40.72 dBm</p> <p>Start 30 MHz</p> <p>#Res BW 100 kHz</p> <p>#Video BW 300 kHz</p> <p>Sweep ~89.1 ms (40001 pts)</p> <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>f</td><td>2.402 2 GHz</td><td>4.69 dBm</td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.678 5 GHz</td><td>-40.72 dBm</td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	f	2.402 2 GHz	4.69 dBm			2	N	1	f	24.678 5 GHz	-40.72 dBm		
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1	N	1	f	2.402 2 GHz	4.69 dBm																				
2	N	1	f	24.678 5 GHz	-40.72 dBm																				
Mid ch	 <p>Frequency: 12.515000000 GHz</p> <p>Span: 24.9700000 GHz</p> <p>Start Freq: 30.0000000 MHz</p> <p>Stop Freq: 25.000000000 GHz</p> <p>Center Frequency: 12.515000000 GHz</p> <p>Scale/Div 10 dB</p> <p>Ref Lvl Offset 1.30 dB</p> <p>Ref Level 20.00 dBm</p> <p>Mkr2 24.651 7 GHz</p> <p>-41.31 dBm</p> <p>Start 30 MHz</p> <p>#Res BW 100 kHz</p> <p>#Video BW 300 kHz</p> <p>Sweep ~89.1 ms (40001 pts)</p> <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>f</td><td>2.440 2 GHz</td><td>5.71 dBm</td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.651 7 GHz</td><td>-41.31 dBm</td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	f	2.440 2 GHz	5.71 dBm			2	N	1	f	24.651 7 GHz	-41.31 dBm		
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value																		
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2	N	1	f	24.651 7 GHz	-41.31 dBm																				
High ch	 <p>Frequency: 12.515000000 GHz</p> <p>Span: 24.9700000 GHz</p> <p>Start Freq: 30.0000000 MHz</p> <p>Stop Freq: 25.000000000 GHz</p> <p>Center Frequency: 12.515000000 GHz</p> <p>Scale/Div 10 dB</p> <p>Ref Lvl Offset 1.30 dB</p> <p>Ref Level 20.00 dBm</p> <p>Mkr2 24.621 1 GHz</p> <p>-40.93 dBm</p> <p>Start 30 MHz</p> <p>#Res BW 100 kHz</p> <p>#Video BW 300 kHz</p> <p>Sweep ~89.1 ms (40001 pts)</p> <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>f</td><td>2.480 2 GHz</td><td>4.96 dBm</td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>24.621 1 GHz</td><td>-40.93 dBm</td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	f	2.480 2 GHz	4.96 dBm			2	N	1	f	24.621 1 GHz	-40.93 dBm		
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value																		
1	N	1	f	2.480 2 GHz	4.96 dBm																				
2	N	1	f	24.621 1 GHz	-40.93 dBm																				

BLR C8

Low ch



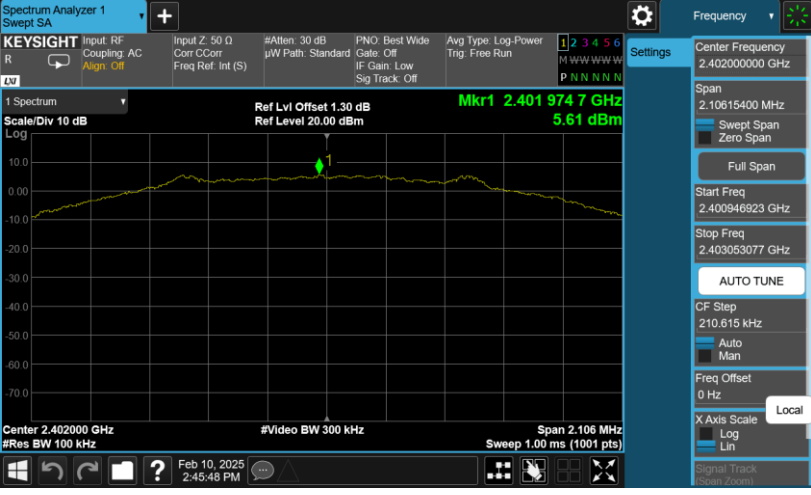
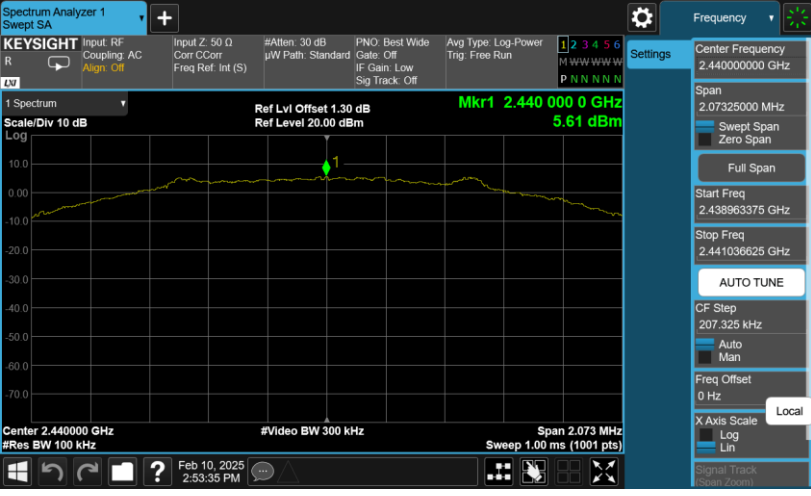
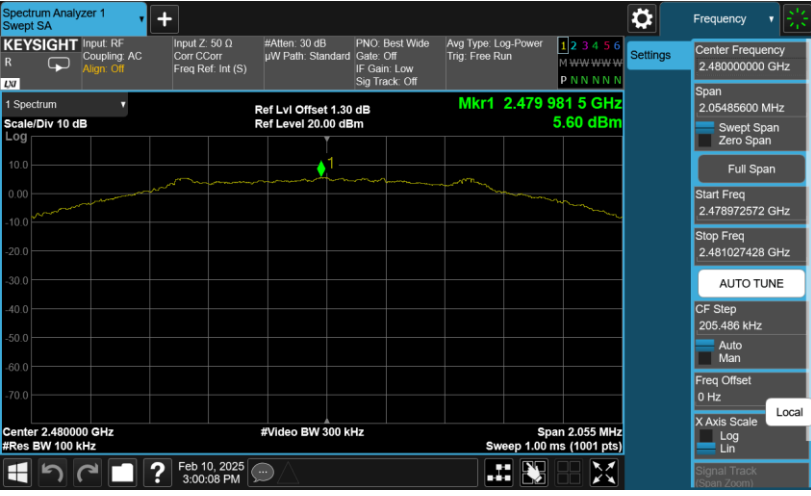
Mid ch

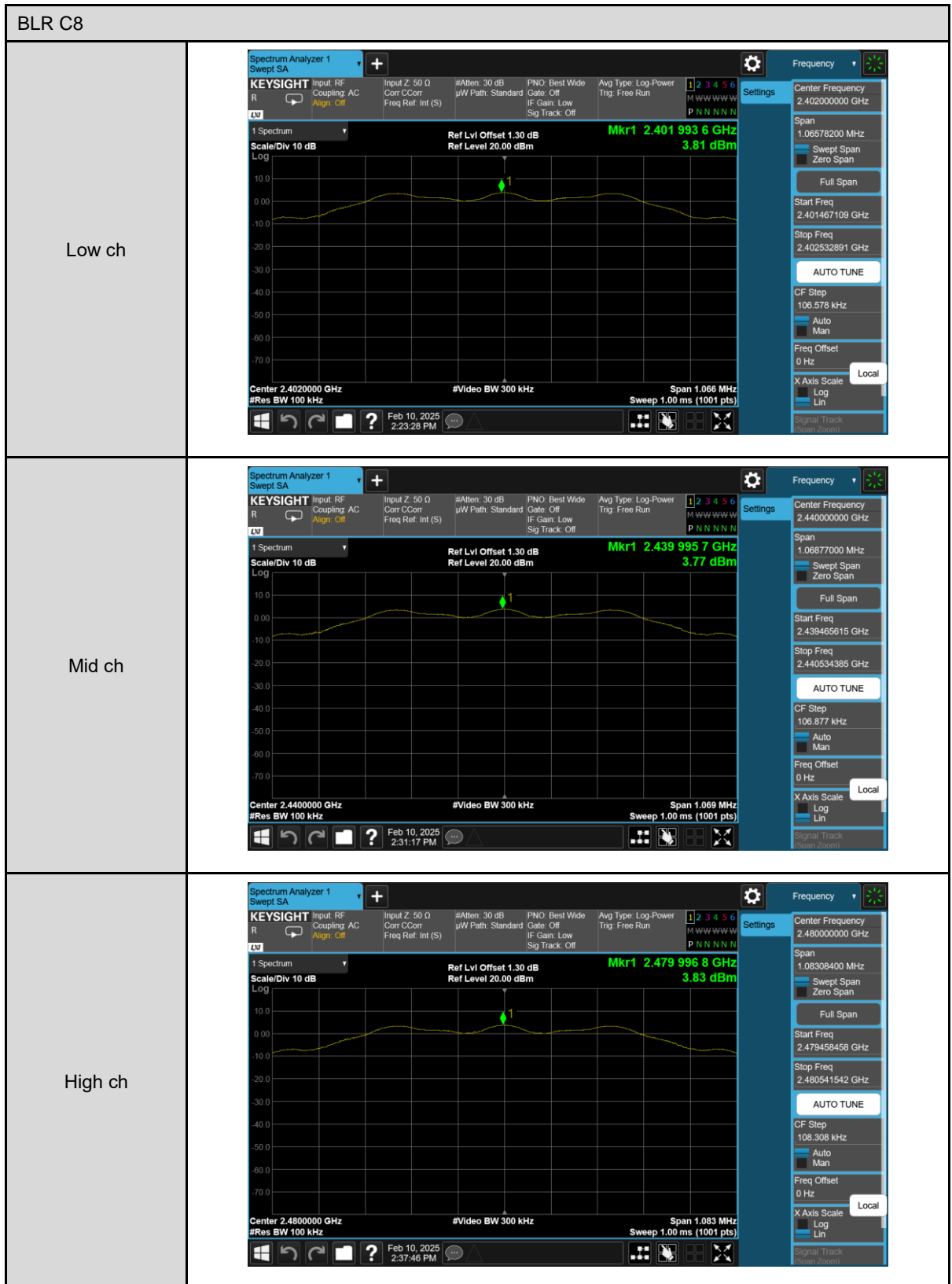


High ch



Reference level

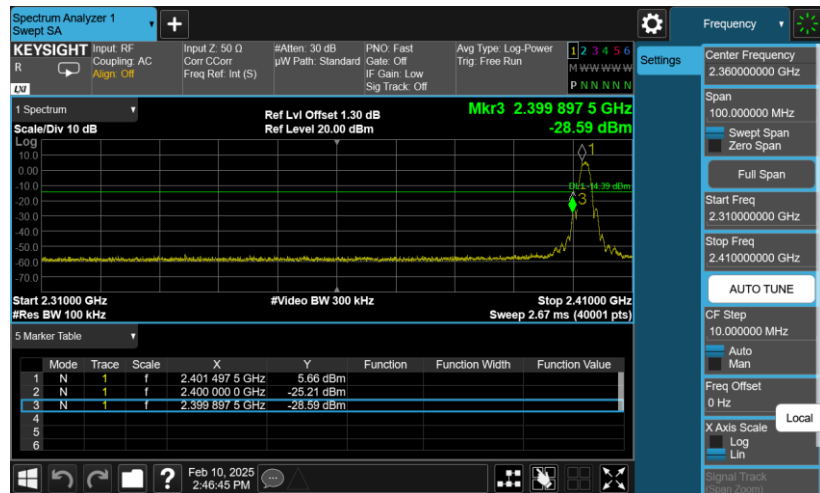
BLE 2M	
Mid ch	
High ch	



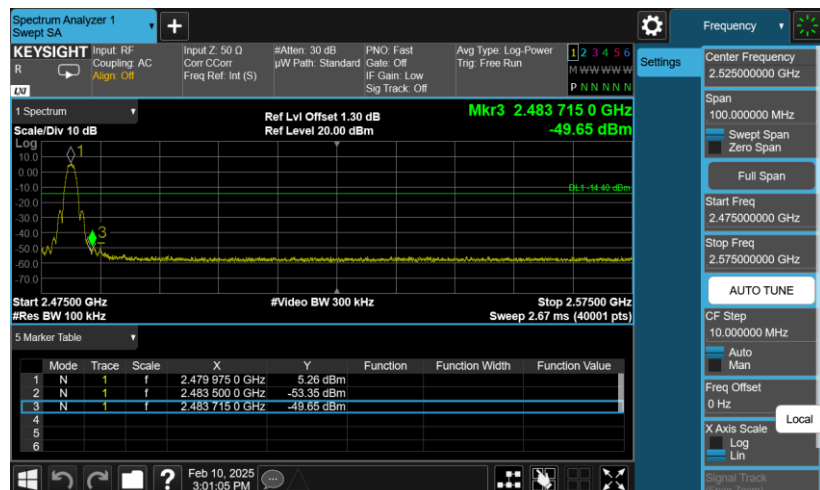
Conducted Band Edge

BLE 2M

Low ch

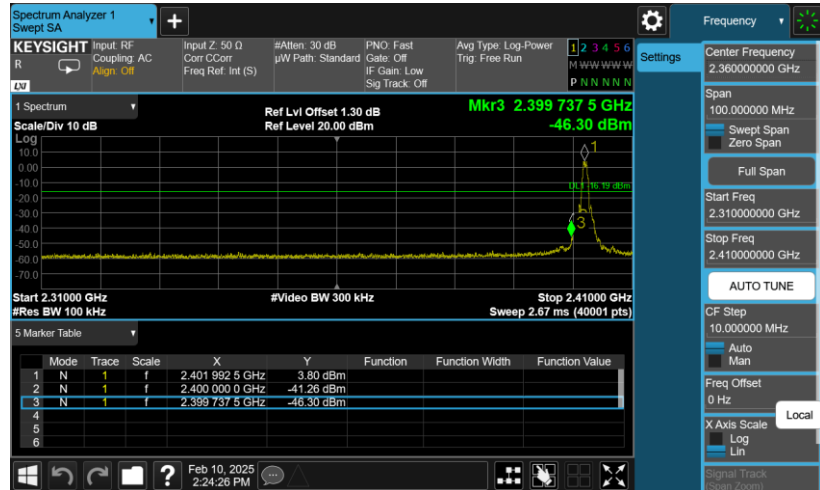


High ch

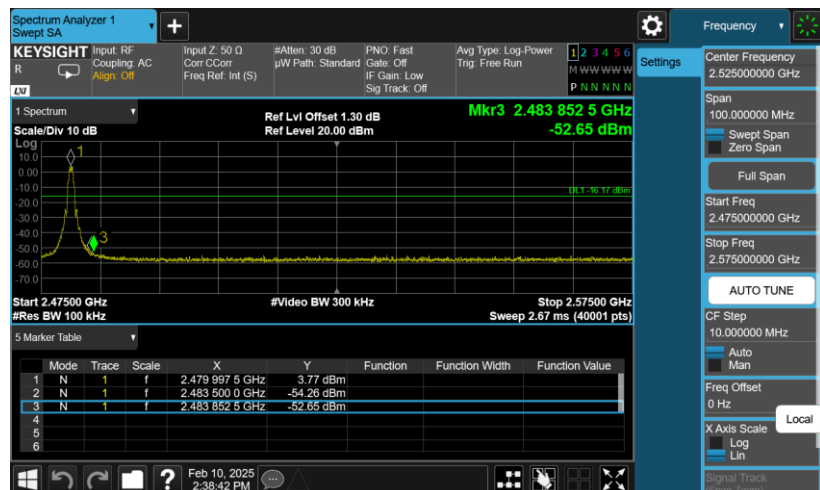


BLR C8

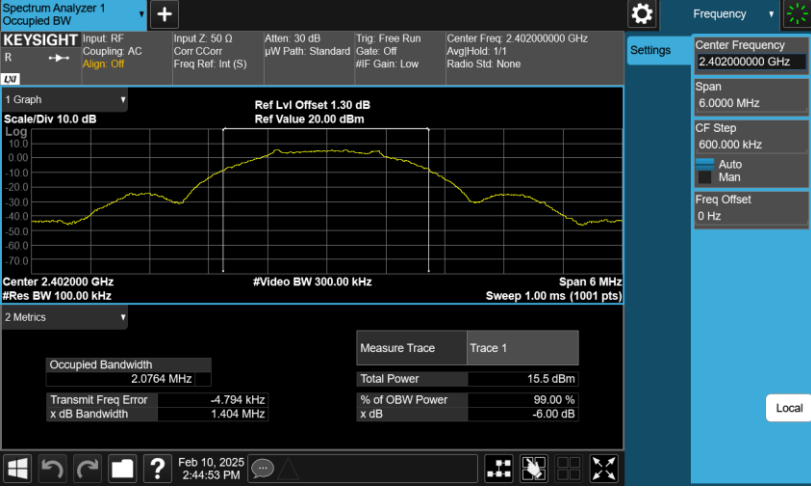


Low ch



High ch

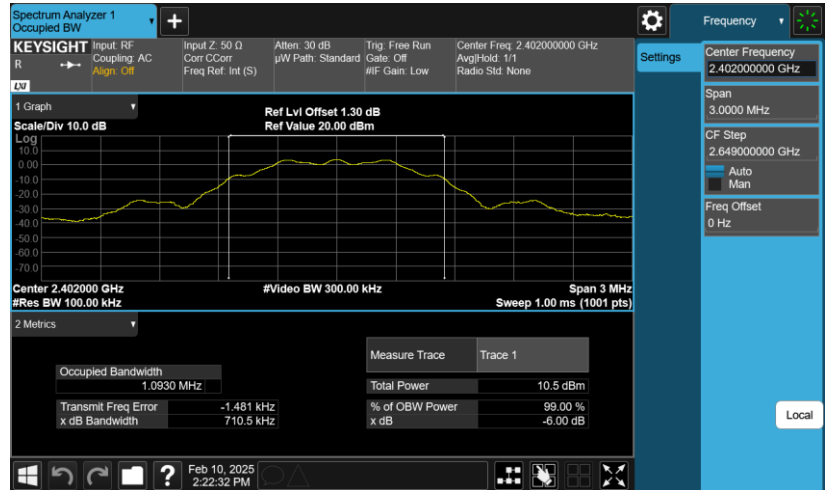


6 dB Bandwidth

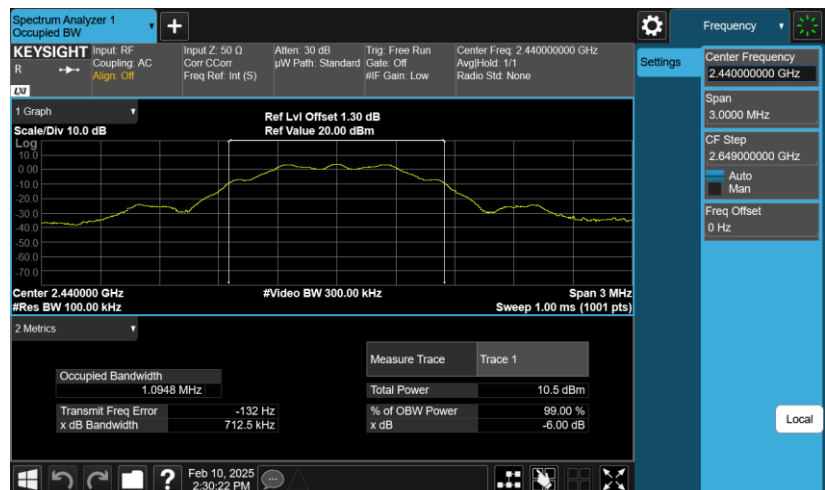
<p>BLE 2M</p> <p>Low ch</p>	
<p>Mid ch</p>	
<p>High ch</p>	

BLR C8

Low ch



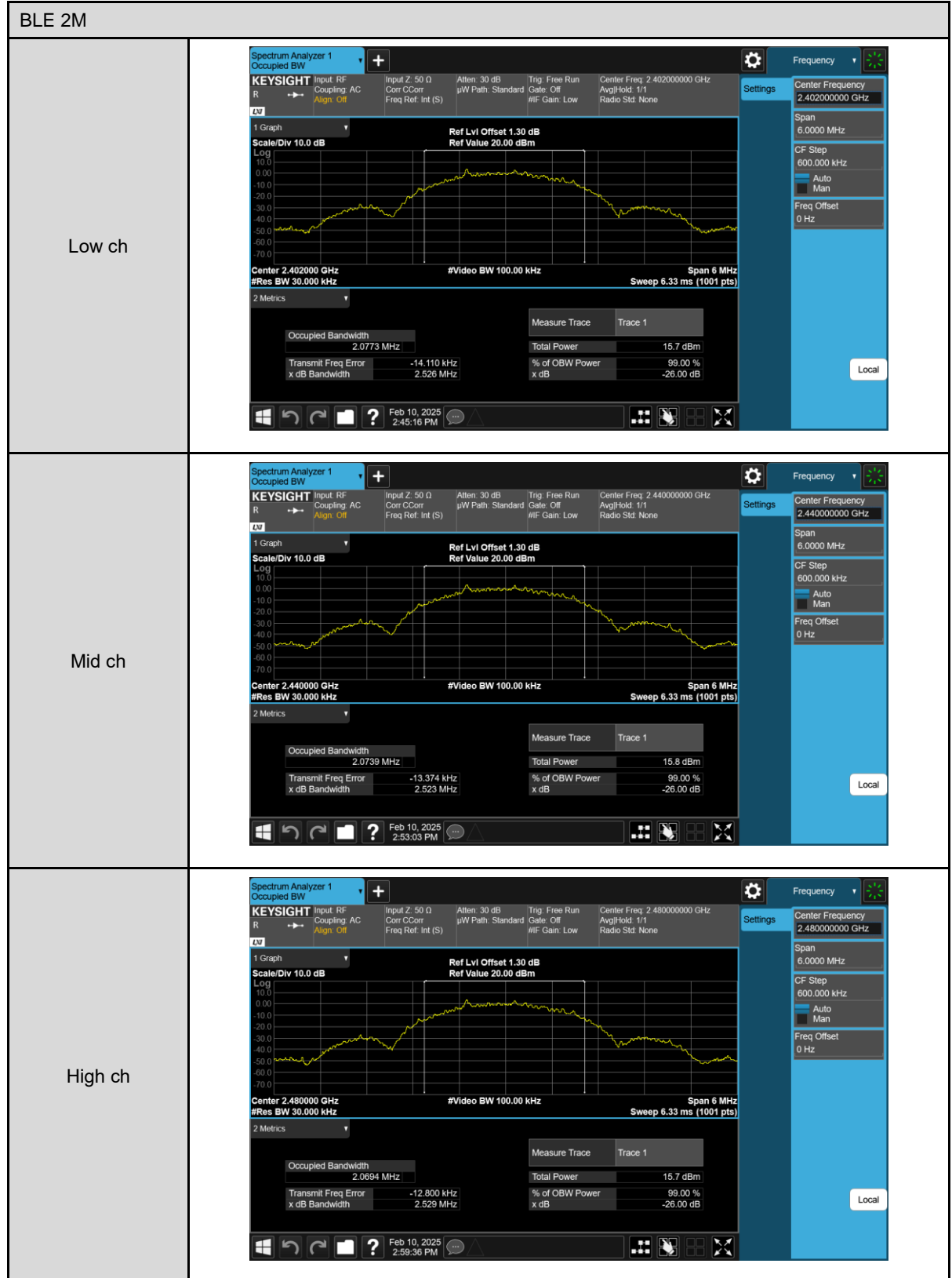
Mid ch



High ch

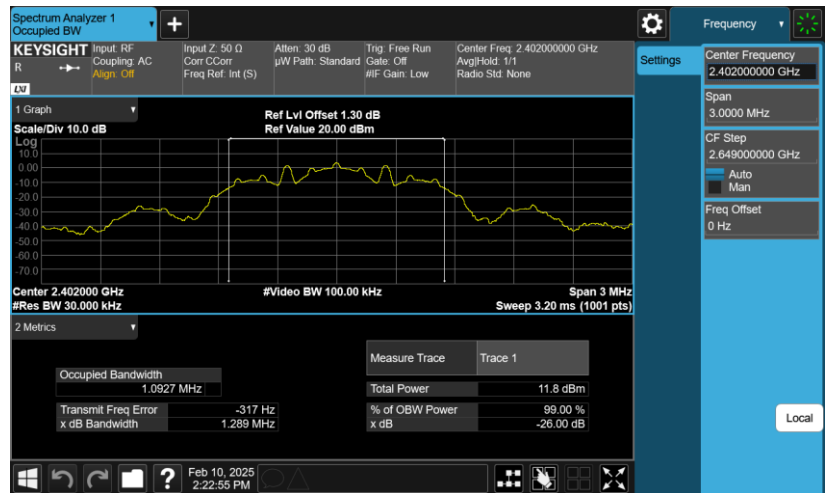


99 % Occupied Bandwidth



BLR C8

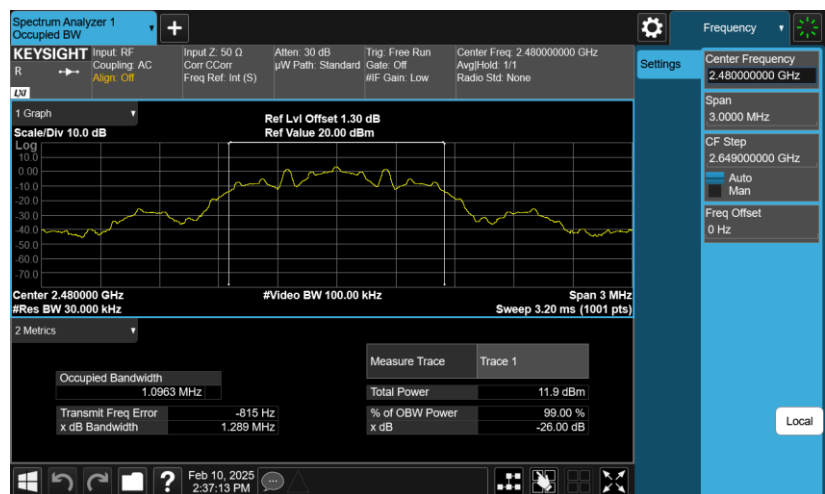
Low ch



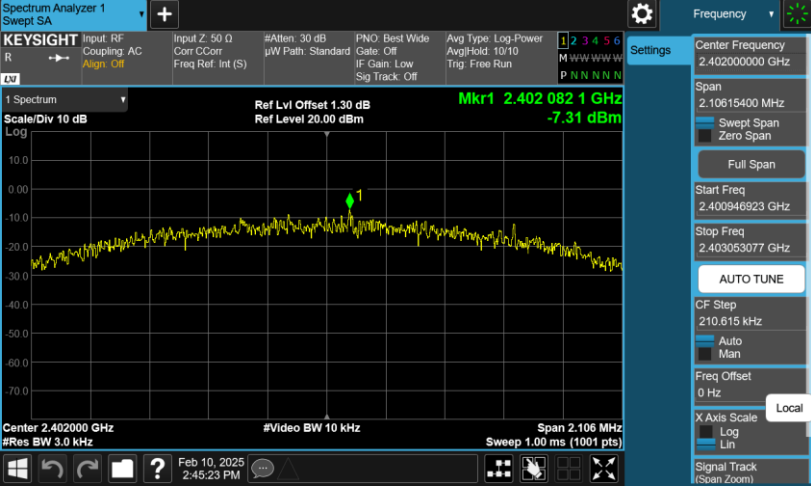
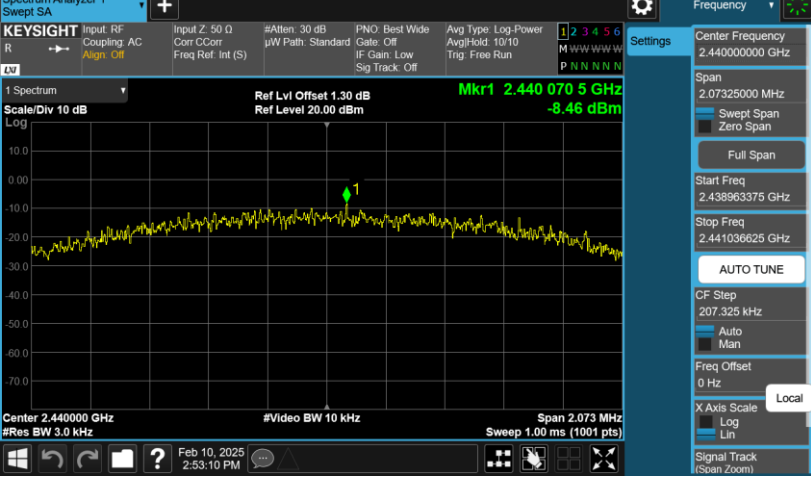
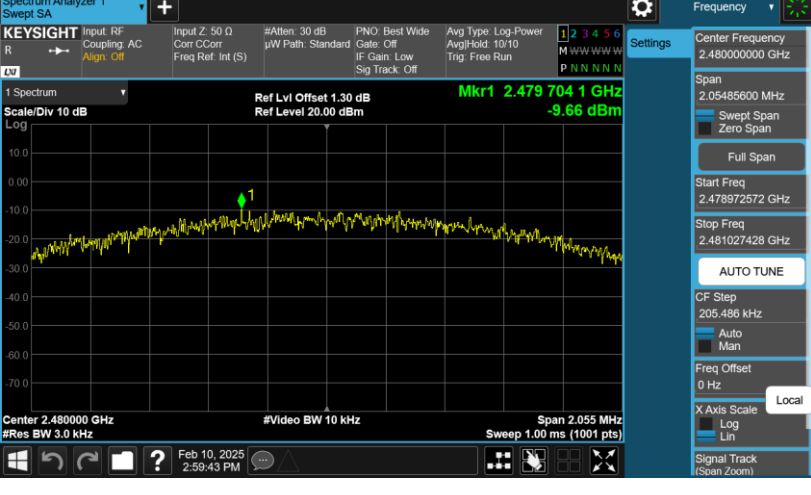
Mid ch



High ch



Power Density

<p>BLE 2M</p> <p>Low ch</p>	 <p>Center 2.402000 GHz #Res BW 3.0 kHz #Video BW 10 kHz Sweep 1.00 ms (1001 pts)</p> <p>Mkr1 2.402 082 1 GHz -7.31 dBm</p>
<p>Mid ch</p>	 <p>Center 2.440000 GHz #Res BW 3.0 kHz #Video BW 10 kHz Sweep 1.00 ms (1001 pts)</p> <p>Mkr1 2.440 070 5 GHz -8.46 dBm</p>
<p>High ch</p>	 <p>Center 2.480000 GHz #Res BW 3.0 kHz #Video BW 10 kHz Sweep 1.00 ms (1001 pts)</p> <p>Mkr1 2.479 704 1 GHz -9.66 dBm</p>

