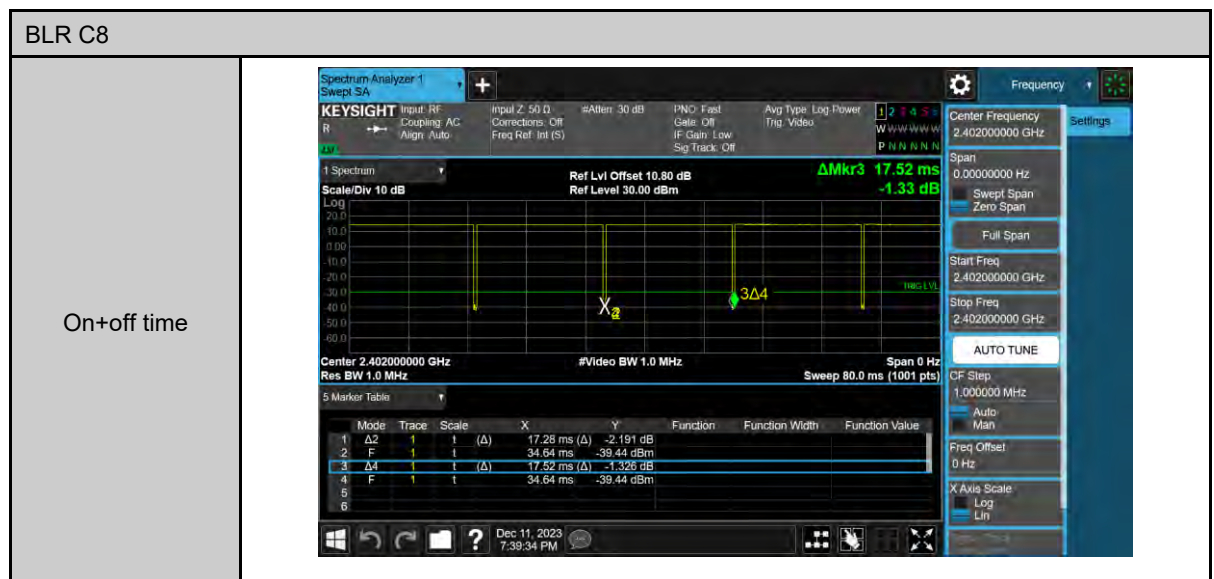
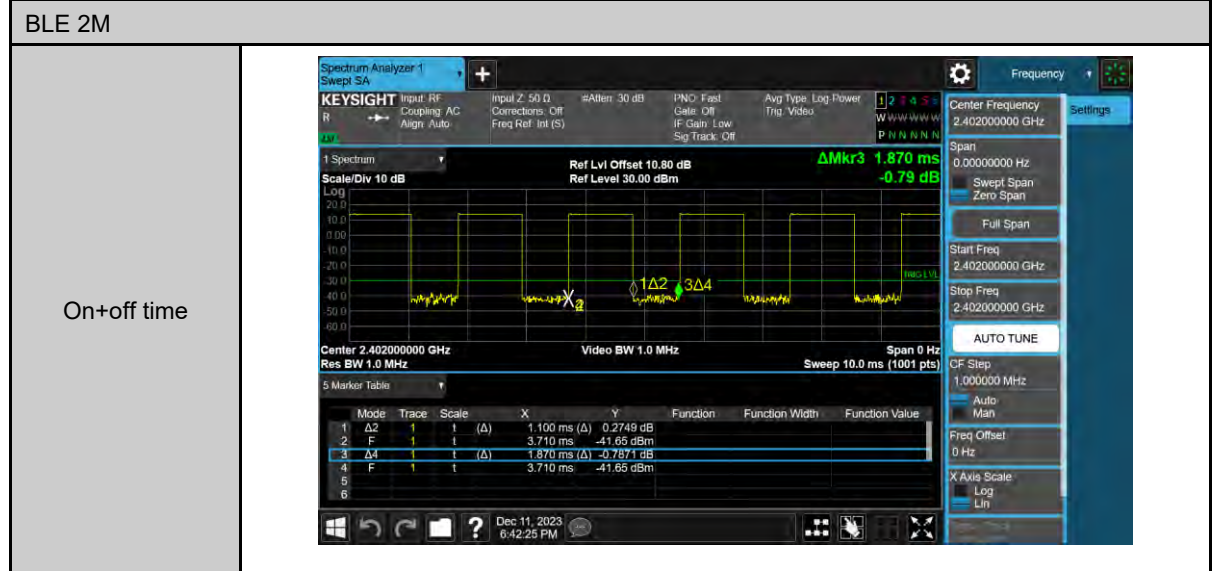
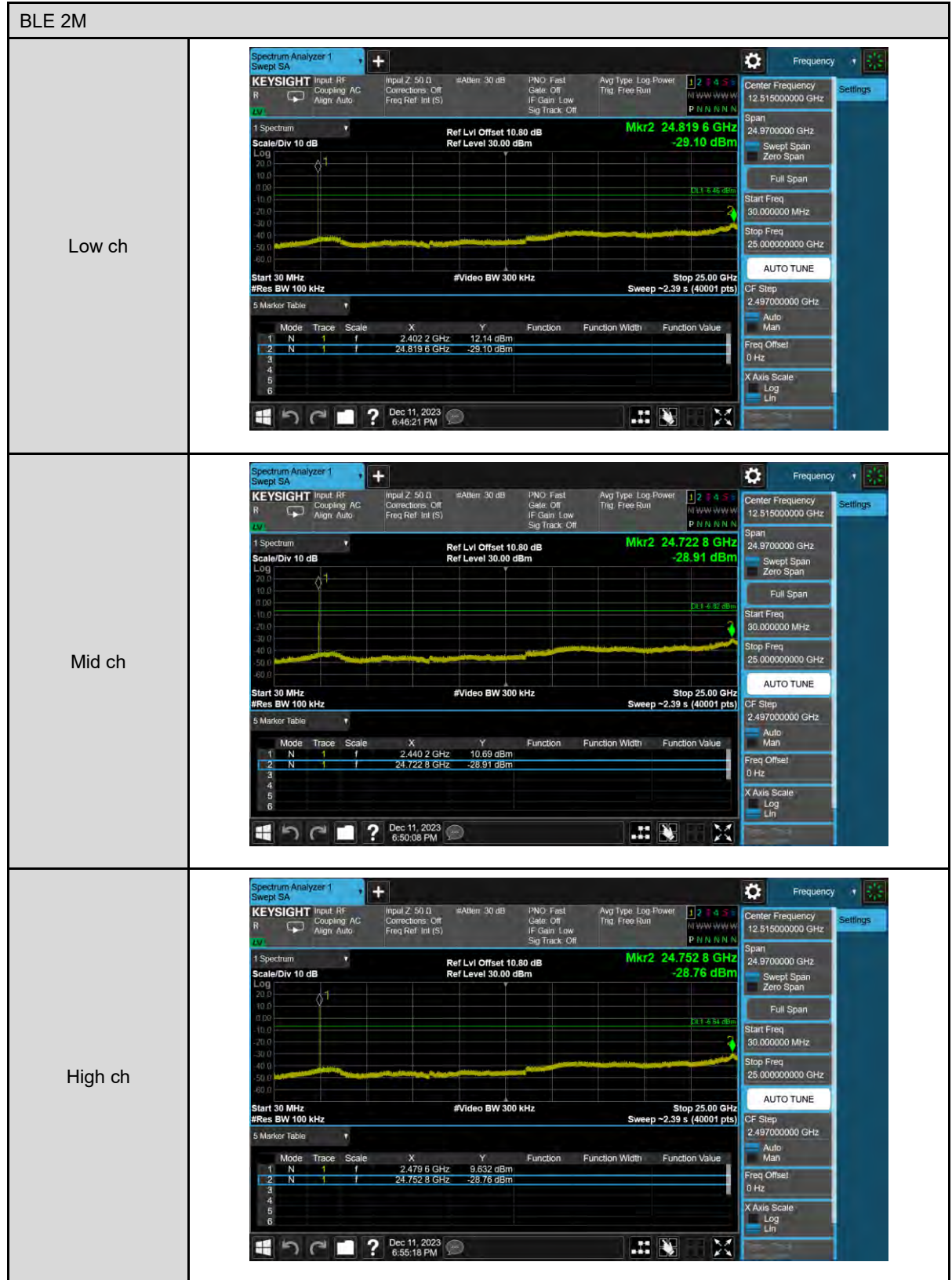


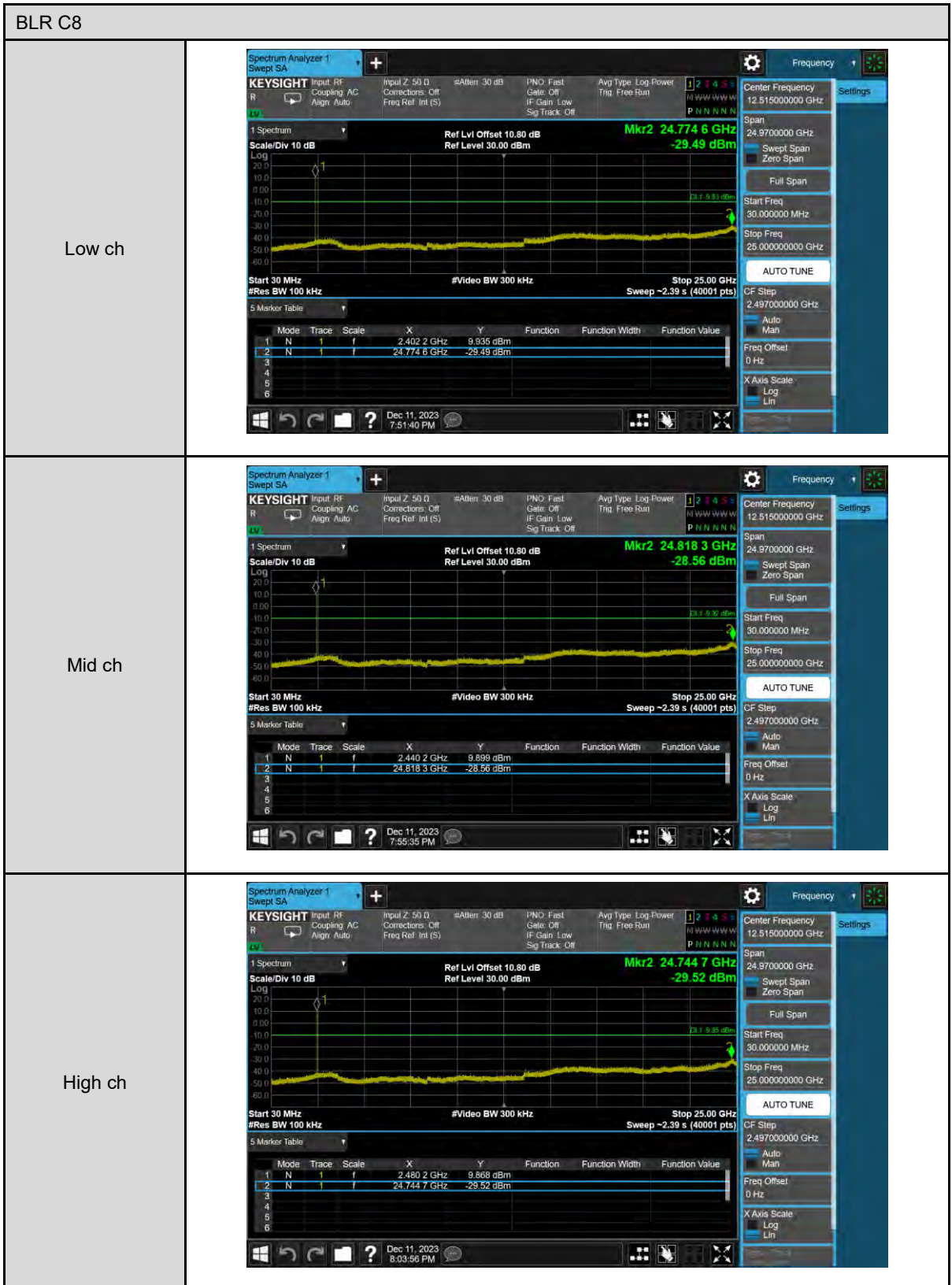
Appendix B. Test Plots

Duty cycle



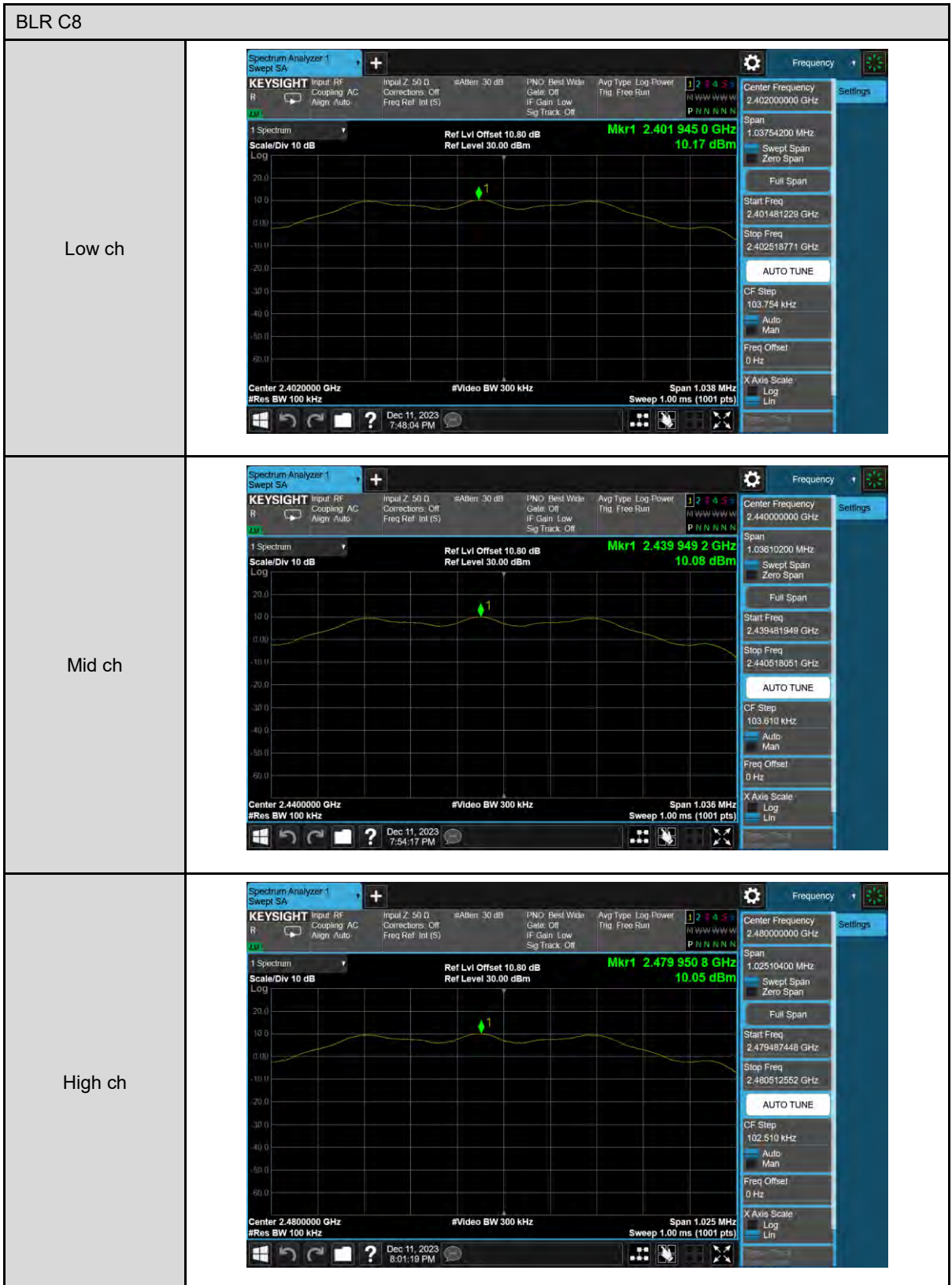
Out of Band Conducted Spurious Emission





Reference level

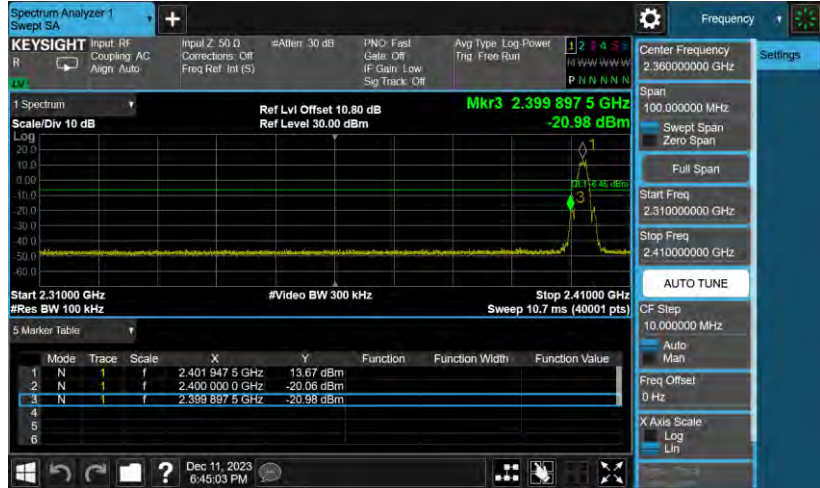
BLE 2M	
Low ch	<p>Center Frequency: 2.40200000 GHz Span: 1.79967000 MHz Start Freq: 2.401100665 GHz Stop Freq: 2.402899335 GHz Mkr1 2.401 938 8 GHz 13.54 dBm Ref Lvl Offset 10.80 dB Ref Level 30.00 dBm Center 2.4020000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 1.799 MHz Sweep 1.00 ms (1001 pts)</p>
Mid ch	<p>Center Frequency: 2.44000000 GHz Span: 1.86428000 MHz Start Freq: 2.439067860 GHz Stop Freq: 2.440932140 GHz Mkr1 2.439 938 5 GHz 13.18 dBm Ref Lvl Offset 10.80 dB Ref Level 30.00 dBm Center 2.4400000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 1.864 MHz Sweep 1.00 ms (1001 pts)</p>
High ch	<p>Center Frequency: 2.48000000 GHz Span: 1.79020200 MHz Start Freq: 2.479104898 GHz Stop Freq: 2.480895101 GHz Mkr1 2.479 937 3 GHz 13.36 dBm Ref Lvl Offset 10.80 dB Ref Level 30.00 dBm Center 2.4800000 GHz #Res BW 100 kHz #Video BW 300 kHz Span 1.790 MHz Sweep 1.00 ms (1001 pts)</p>



Conducted Band Edge

BLE 2M

Low ch



High ch





6 dB Bandwidth

BLE 2M	
Low ch	<p>Center 2.402000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 6 MHz Sweep 1.00 ms (1001 pts)</p> <p>Occupied Bandwidth: 2.0701 MHz Total Power: 21.9 dBm Transmit Freq Error: -40.335 kHz % of OBW Power: 99.00 % x dB Bandwidth: 1.199 MHz x dB: -6.00 dB</p>
Mid ch	<p>Center 2.440000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 6 MHz Sweep 1.00 ms (1001 pts)</p> <p>Occupied Bandwidth: 2.0702 MHz Total Power: 21.7 dBm Transmit Freq Error: -40.179 kHz % of OBW Power: 99.00 % x dB Bandwidth: 1.243 MHz x dB: -6.00 dB</p>
High ch	<p>Center 2.480000 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 6 MHz Sweep 1.00 ms (1001 pts)</p> <p>Occupied Bandwidth: 2.0681 MHz Total Power: 21.5 dBm Transmit Freq Error: -42.590 kHz % of OBW Power: 99.00 % x dB Bandwidth: 1.193 MHz x dB: -6.00 dB</p>

BLR C8	
Low ch	<p>Center Frequency: 2.40200000 GHz Span: 3.0000 MHz CF Step: 300.000 kHz Total Power: 17.6 dBm Occupied Bandwidth: 1.0572 MHz</p>
Mid ch	<p>Center Frequency: 2.44000000 GHz Span: 3.0000 MHz CF Step: 300.000 kHz Total Power: 16.5 dBm Occupied Bandwidth: 1.0578 MHz</p>
High ch	<p>Center Frequency: 2.48000000 GHz Span: 3.0000 MHz CF Step: 300.000 kHz Total Power: 16.5 dBm Occupied Bandwidth: 1.0572 MHz</p>

99 % Occupied Bandwidth

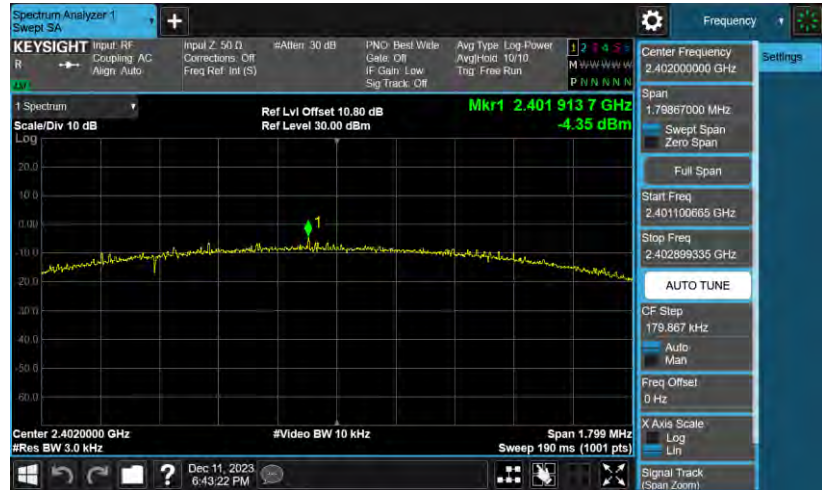
BLE 2M													
Low ch	<p>Center 2.402000 GHz #Res BW 30.000 kHz #Video BW 100.00 kHz Span 6 MHz Sweep 6.33 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>2.0720 MHz</td> <td>Total Power</td> <td>21.2 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-34.383 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>2.514 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </table>	Occupied Bandwidth	2.0720 MHz	Total Power	21.2 dBm	Transmit Freq Error	-34.383 kHz	% of OBW Power	99.00 %	x dB Bandwidth	2.514 MHz	x dB	-26.00 dB
Occupied Bandwidth	2.0720 MHz	Total Power	21.2 dBm										
Transmit Freq Error	-34.383 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	2.514 MHz	x dB	-26.00 dB										
Mid ch	<p>Center 2.440000 GHz #Res BW 30.000 kHz #Video BW 100.00 kHz Span 6 MHz Sweep 6.33 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>2.0716 MHz</td> <td>Total Power</td> <td>21.0 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-35.729 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>2.516 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </table>	Occupied Bandwidth	2.0716 MHz	Total Power	21.0 dBm	Transmit Freq Error	-35.729 kHz	% of OBW Power	99.00 %	x dB Bandwidth	2.516 MHz	x dB	-26.00 dB
Occupied Bandwidth	2.0716 MHz	Total Power	21.0 dBm										
Transmit Freq Error	-35.729 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	2.516 MHz	x dB	-26.00 dB										
High ch	<p>Center 2.480000 GHz #Res BW 30.000 kHz #Video BW 100.00 kHz Span 6 MHz Sweep 6.33 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>2.0716 MHz</td> <td>Total Power</td> <td>21.0 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-37.148 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>2.515 MHz</td> <td>x dB</td> <td>-26.00 dB</td> </tr> </table>	Occupied Bandwidth	2.0716 MHz	Total Power	21.0 dBm	Transmit Freq Error	-37.148 kHz	% of OBW Power	99.00 %	x dB Bandwidth	2.515 MHz	x dB	-26.00 dB
Occupied Bandwidth	2.0716 MHz	Total Power	21.0 dBm										
Transmit Freq Error	-37.148 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	2.515 MHz	x dB	-26.00 dB										

BLR C8													
<p>Low ch</p>	<p>Center Frequency: 2.40200000 GHz</p> <p>Span: 3.0000 MHz</p> <p>CF Step: 300.000 kHz</p> <p>Scale/Div: 10.0 dB</p> <p>Ref Lvl Offset: 10.80 dB</p> <p>Ref Value: 30.00 dBm</p> <p>Center: 2.402000 GHz</p> <p>#Res BW: 30.000 kHz</p> <p>#Video BW: 100.00 kHz</p> <p>Span: 3 MHz</p> <p>Sweep: 3.20 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>1.0548 MHz</td> <td>Total Power</td> <td>19.5 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-52.260 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x OB Bandwidth</td> <td>1.278 MHz</td> <td>% dB</td> <td>-26.00 dB</td> </tr> </table> <p>Dec 11, 2023 7:40:21 PM</p>	Occupied Bandwidth	1.0548 MHz	Total Power	19.5 dBm	Transmit Freq Error	-52.260 kHz	% of OBW Power	99.00 %	x OB Bandwidth	1.278 MHz	% dB	-26.00 dB
Occupied Bandwidth	1.0548 MHz	Total Power	19.5 dBm										
Transmit Freq Error	-52.260 kHz	% of OBW Power	99.00 %										
x OB Bandwidth	1.278 MHz	% dB	-26.00 dB										
<p>Mid ch</p>	<p>Center Frequency: 2.44000000 GHz</p> <p>Span: 3.0000 MHz</p> <p>CF Step: 300.000 kHz</p> <p>Scale/Div: 10.0 dB</p> <p>Ref Lvl Offset: 10.80 dB</p> <p>Ref Value: 30.00 dBm</p> <p>Center: 2.440000 GHz</p> <p>#Res BW: 30.000 kHz</p> <p>#Video BW: 100.00 kHz</p> <p>Span: 3 MHz</p> <p>Sweep: 3.20 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>1.0556 MHz</td> <td>Total Power</td> <td>18.4 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-53.876 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x OB Bandwidth</td> <td>1.279 MHz</td> <td>% dB</td> <td>-26.00 dB</td> </tr> </table> <p>Dec 11, 2023 7:53:44 PM</p>	Occupied Bandwidth	1.0556 MHz	Total Power	18.4 dBm	Transmit Freq Error	-53.876 kHz	% of OBW Power	99.00 %	x OB Bandwidth	1.279 MHz	% dB	-26.00 dB
Occupied Bandwidth	1.0556 MHz	Total Power	18.4 dBm										
Transmit Freq Error	-53.876 kHz	% of OBW Power	99.00 %										
x OB Bandwidth	1.279 MHz	% dB	-26.00 dB										
<p>High ch</p>	<p>Center Frequency: 2.48000000 GHz</p> <p>Span: 3.0000 MHz</p> <p>CF Step: 300.000 kHz</p> <p>Scale/Div: 10.0 dB</p> <p>Ref Lvl Offset: 10.80 dB</p> <p>Ref Value: 30.00 dBm</p> <p>Center: 2.480000 GHz</p> <p>#Res BW: 30.000 kHz</p> <p>#Video BW: 100.00 kHz</p> <p>Span: 3 MHz</p> <p>Sweep: 3.20 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>1.0558 MHz</td> <td>Total Power</td> <td>18.3 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-55.336 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x OB Bandwidth</td> <td>1.279 MHz</td> <td>% dB</td> <td>-26.00 dB</td> </tr> </table> <p>Dec 11, 2023 8:00:46 PM</p>	Occupied Bandwidth	1.0558 MHz	Total Power	18.3 dBm	Transmit Freq Error	-55.336 kHz	% of OBW Power	99.00 %	x OB Bandwidth	1.279 MHz	% dB	-26.00 dB
Occupied Bandwidth	1.0558 MHz	Total Power	18.3 dBm										
Transmit Freq Error	-55.336 kHz	% of OBW Power	99.00 %										
x OB Bandwidth	1.279 MHz	% dB	-26.00 dB										

Power Density

BLE 2M

Low ch



Mid ch



High ch



