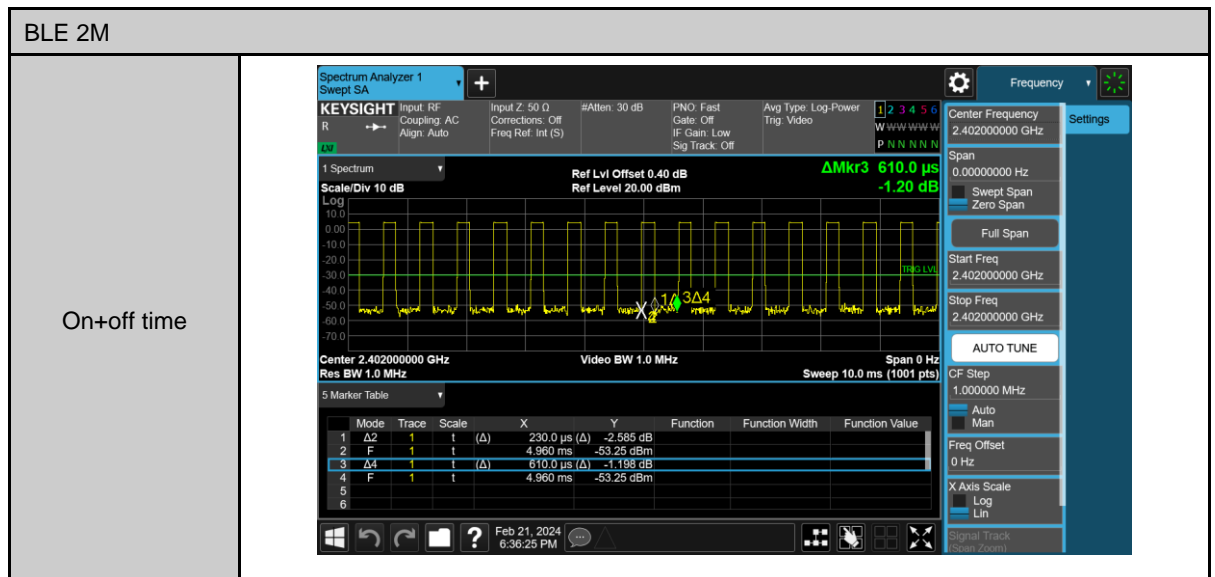
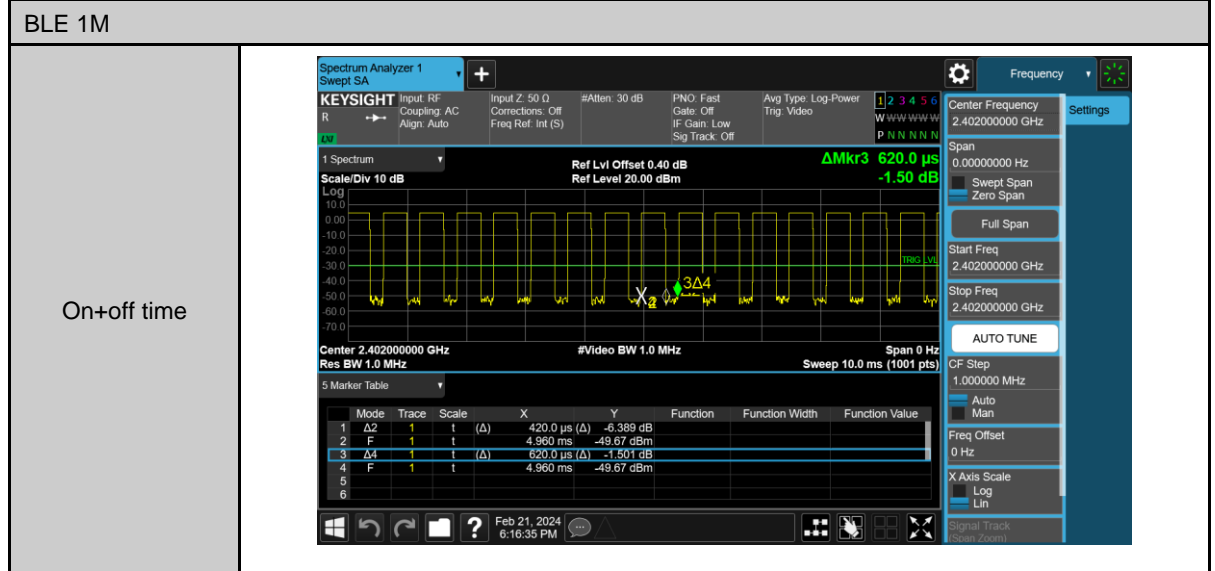
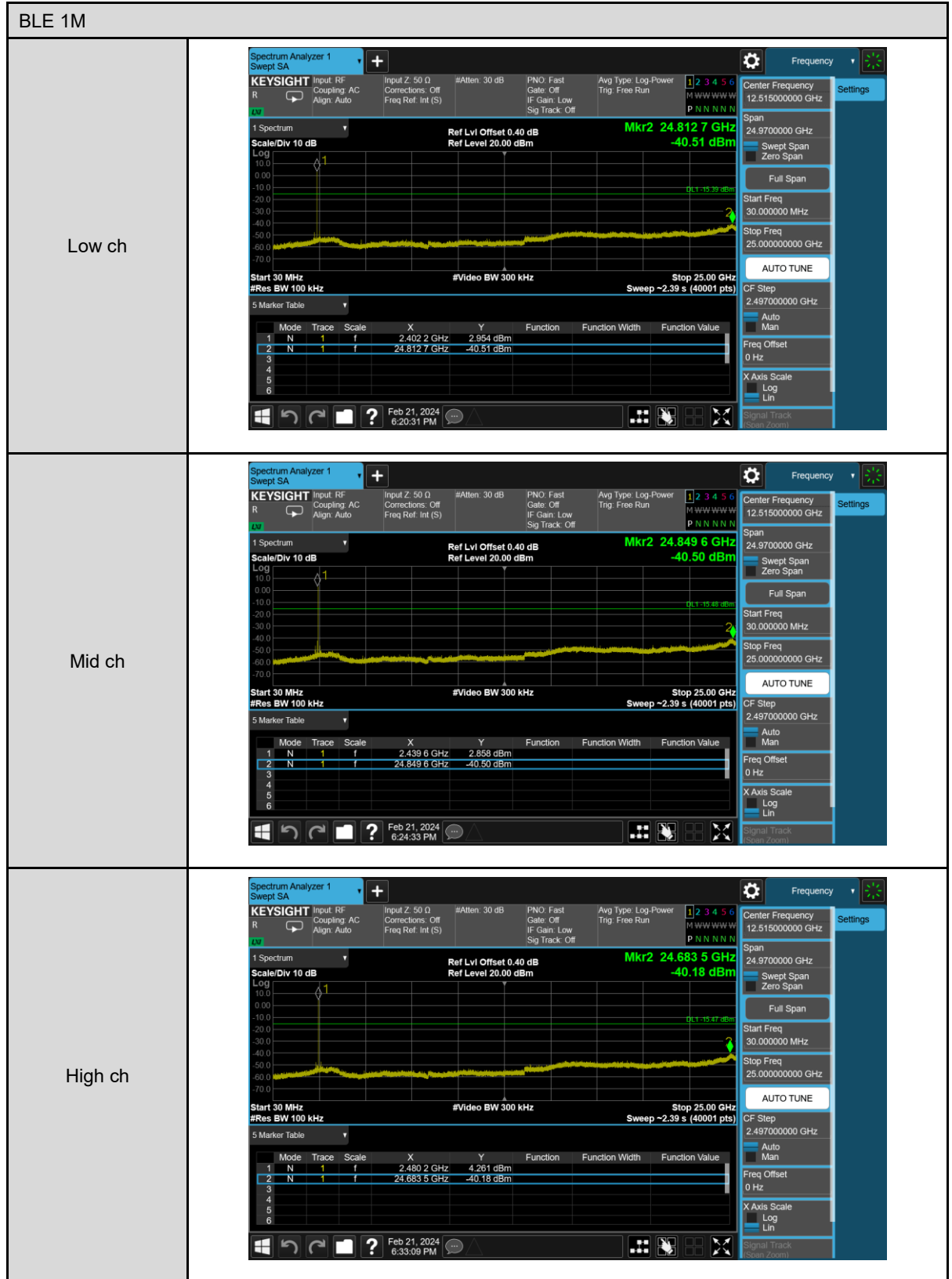


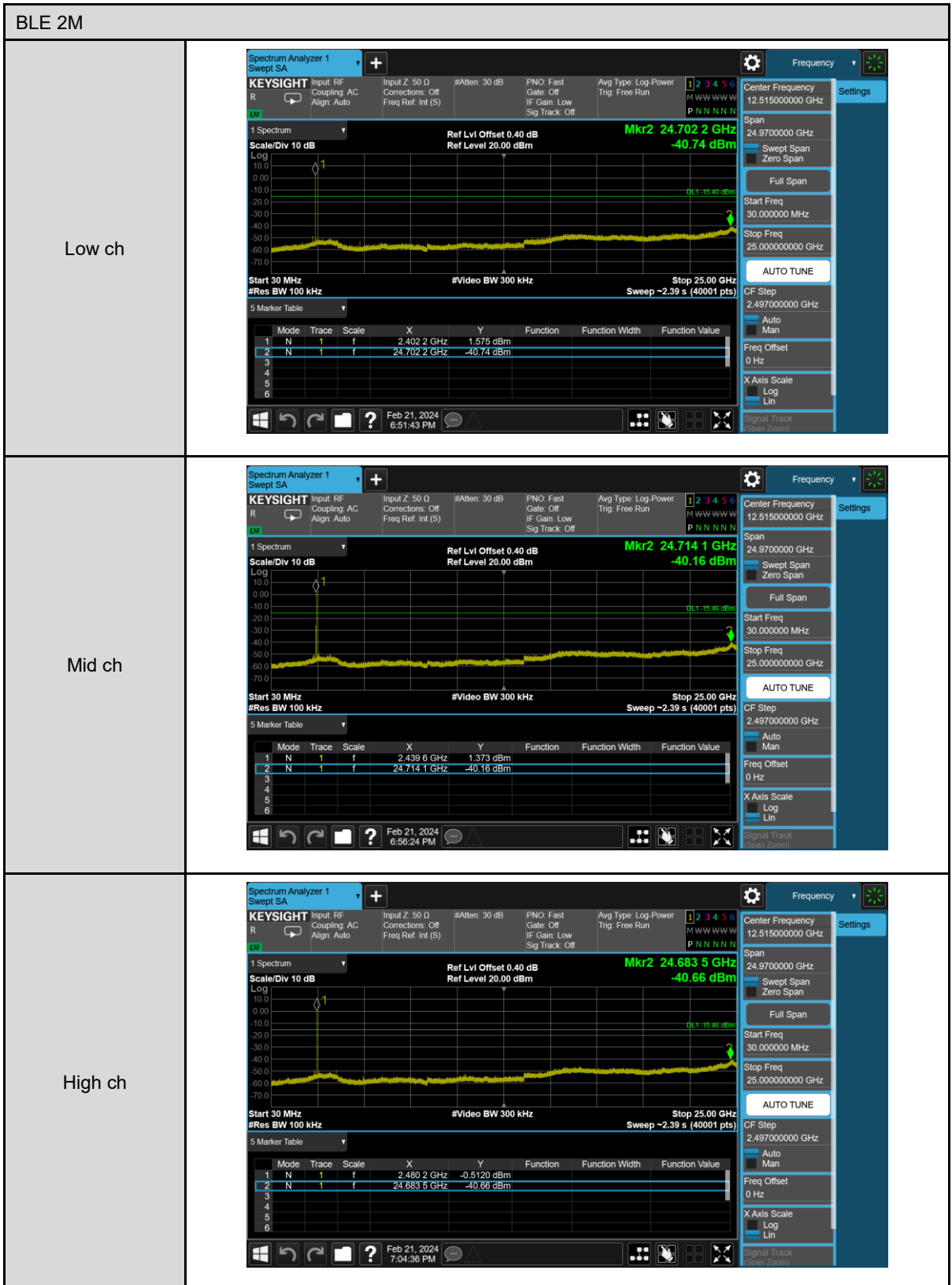
Appendix B. Test Plots

Duty cycle






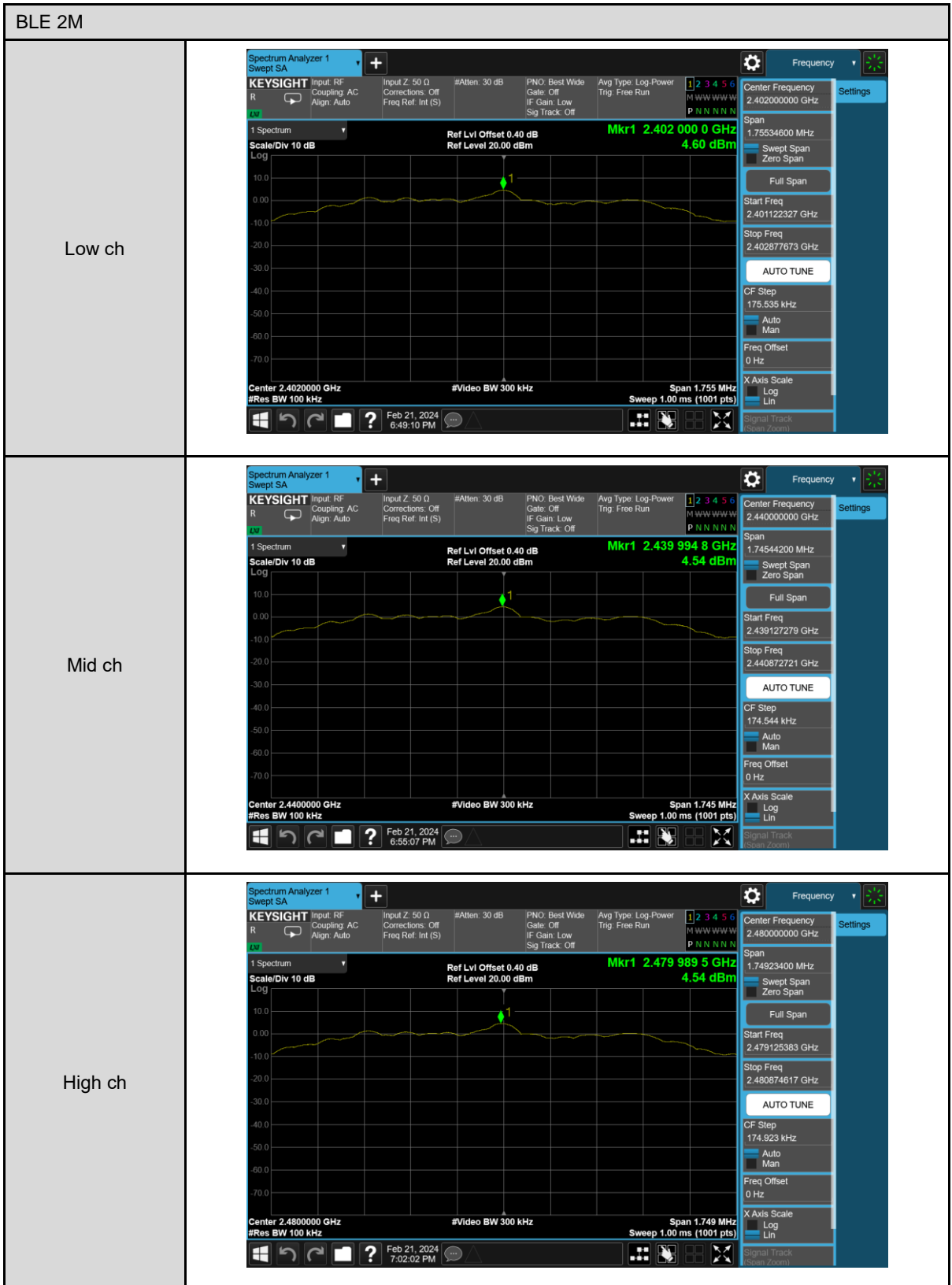
Out of Band Conducted Spurious Emission





Reference level

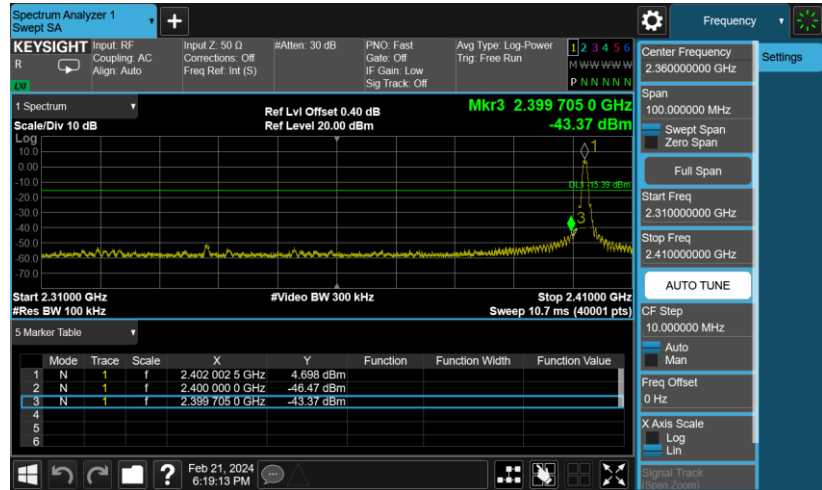
BLE 1M	
Low ch	 <p>KEYSIGHT Spectrum Analyzer 1 Swept SA. Input: RF, Coupling: AC, Align: Auto. #Atten: 30 dB. IPNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off. Avg Type: Log-Power, Trig: Free Run. Center Frequency: 2.40200000 GHz. Span: 1.05643000 MHz. Mkr1: 2.401 995 8 GHz, 4.61 dBm. Ref Lvl Offset 0.40 dB, Ref Level 20.00 dBm. Scale/Div 10 dB, Log. Center: 2.4020000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Span 1.056 MHz, Sweep 1.00 ms (1001 pts). Feb 21, 2024 6:17:55 PM.</p>
Mid ch	 <p>KEYSIGHT Spectrum Analyzer 1 Swept SA. Input: RF, Coupling: AC, Align: Auto. #Atten: 30 dB. IPNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off. Avg Type: Log-Power, Trig: Free Run. Center Frequency: 2.44000000 GHz. Span: 1.06380000 MHz. Mkr1: 2.439 993 6 GHz, 4.52 dBm. Ref Lvl Offset 0.40 dB, Ref Level 20.00 dBm. Scale/Div 10 dB, Log. Center: 2.4400000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Span 1.063 MHz, Sweep 1.00 ms (1001 pts). Feb 21, 2024 6:23:16 PM.</p>
High ch	 <p>KEYSIGHT Spectrum Analyzer 1 Swept SA. Input: RF, Coupling: AC, Align: Auto. #Atten: 30 dB. IPNO: Best Wide, Gate: Off, IF Gain: Low, Sig Track: Off. Avg Type: Log-Power, Trig: Free Run. Center Frequency: 2.48000000 GHz. Span: 1.04738000 MHz. Mkr1: 2.479 991 6 GHz, 4.53 dBm. Ref Lvl Offset 0.40 dB, Ref Level 20.00 dBm. Scale/Div 10 dB, Log. Center: 2.4800000 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Span 1.047 MHz, Sweep 1.00 ms (1001 pts). Feb 21, 2024 6:30:34 PM.</p>



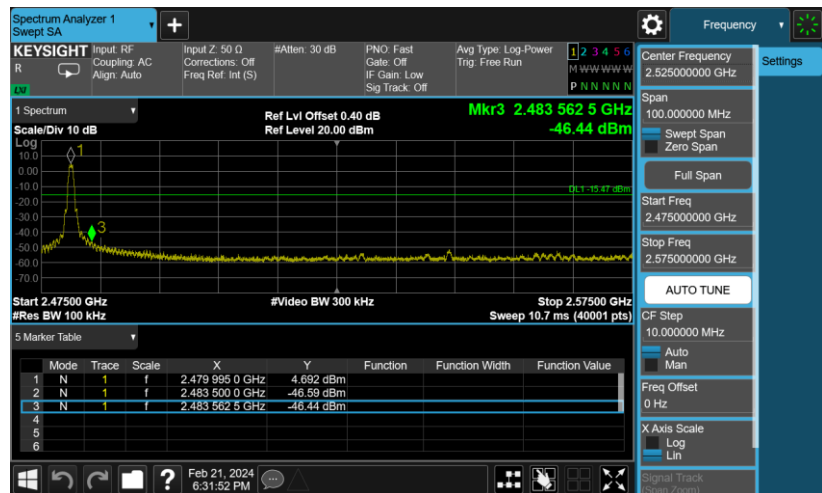
Conducted Band Edge

BLE 1M

Low ch



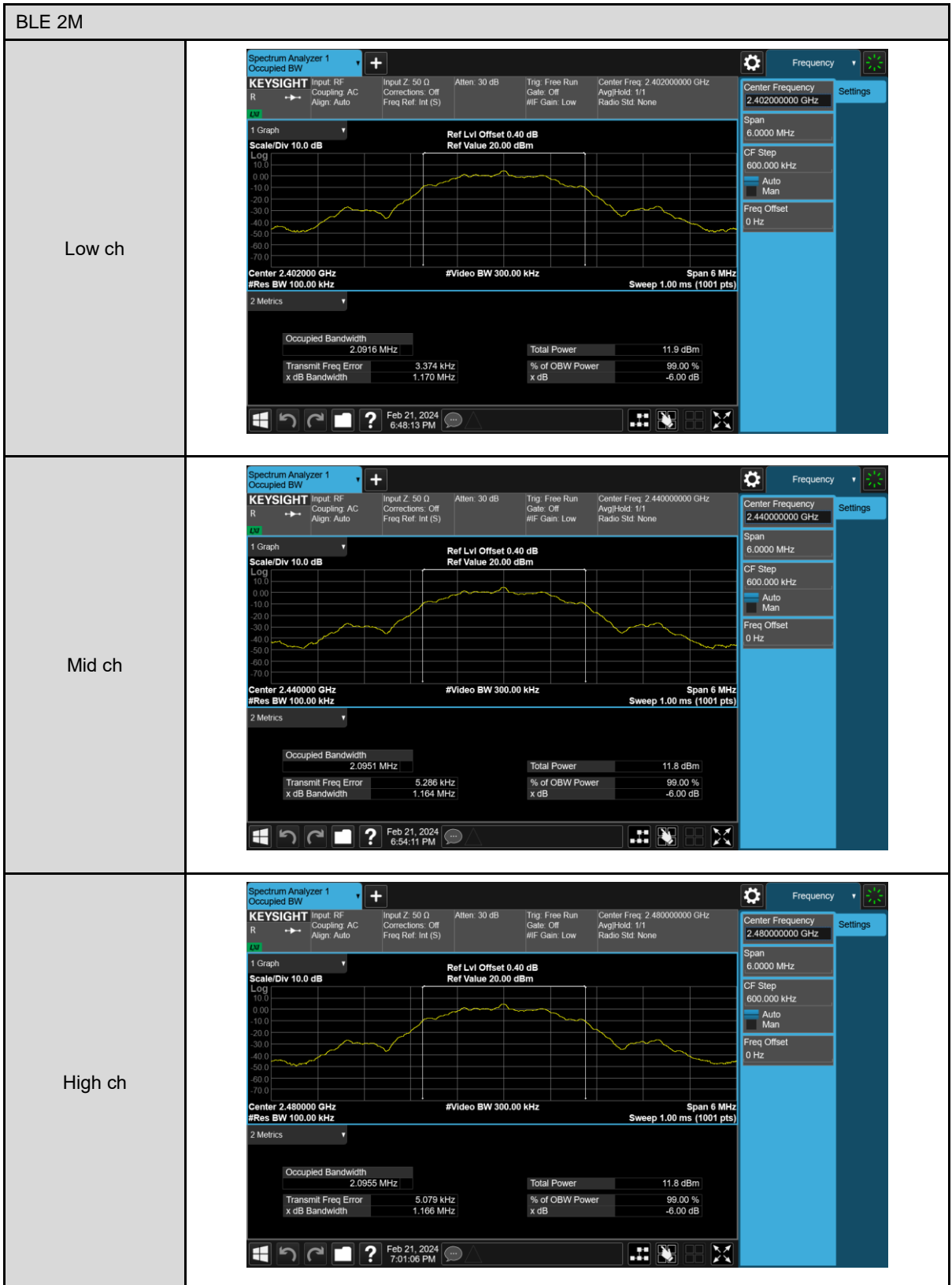
High ch



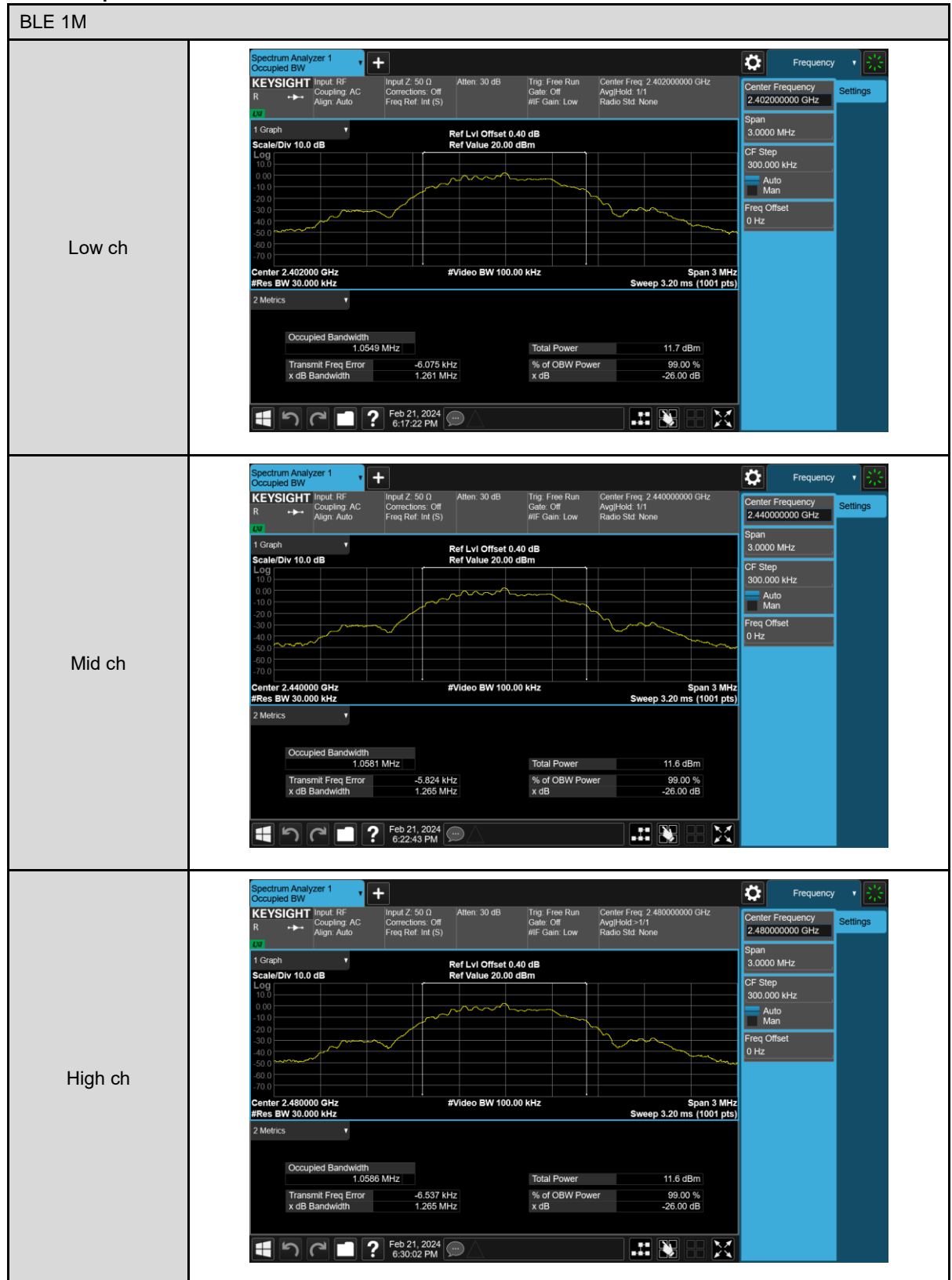


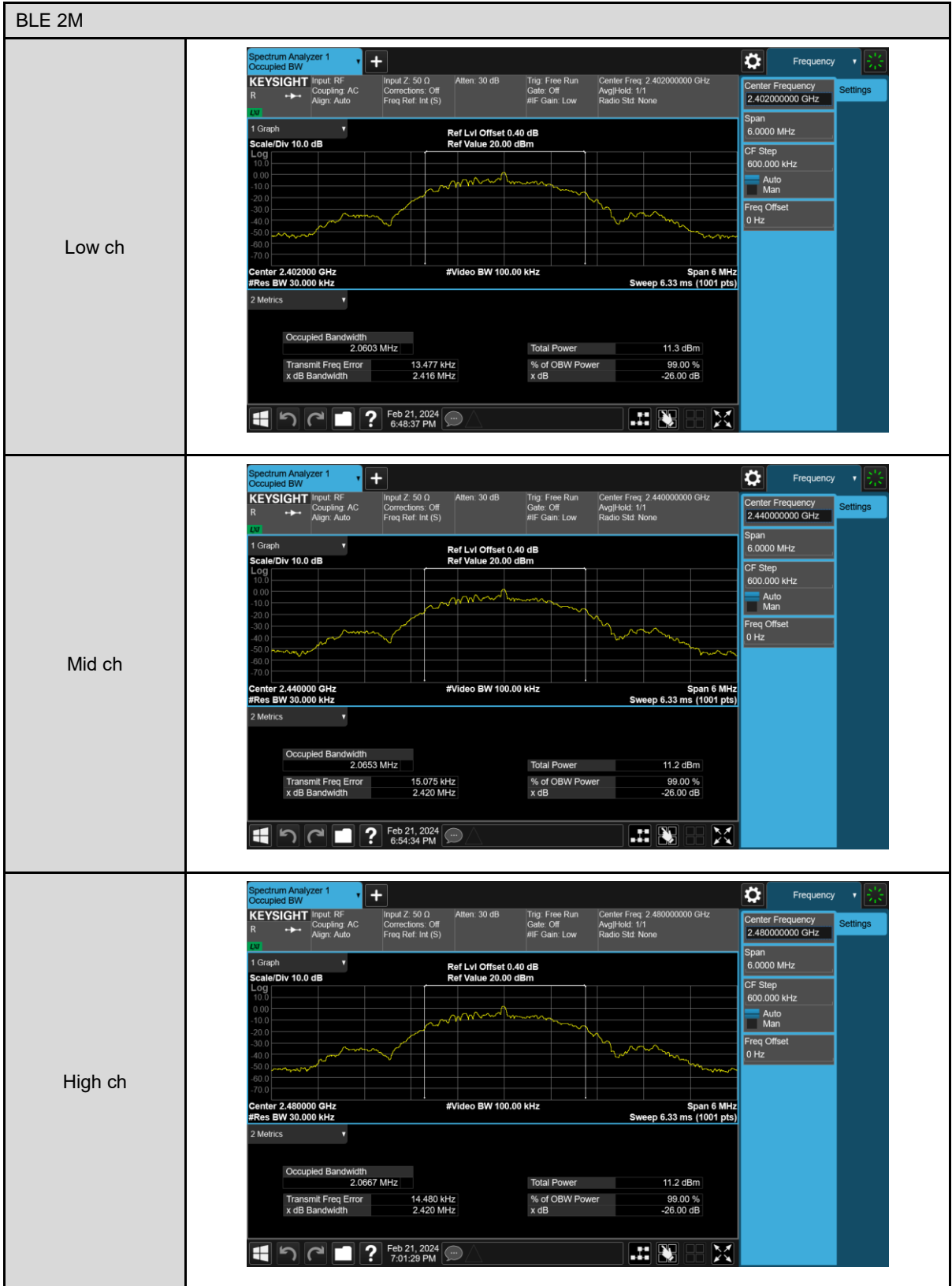
6 dB Bandwidth

BLE 1M													
Low ch	<p>Center Freq: 2.4020000 GHz #Res BW: 100.00 kHz #Video BW: 300.00 kHz Span: 3 MHz Sweep: 1.00 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>1.0723 MHz</td> <td>Total Power</td> <td>11.4 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-5.921 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>704.3 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	1.0723 MHz	Total Power	11.4 dBm	Transmit Freq Error	-5.921 kHz	% of OBW Power	99.00 %	x dB Bandwidth	704.3 kHz	x dB	-6.00 dB
Occupied Bandwidth	1.0723 MHz	Total Power	11.4 dBm										
Transmit Freq Error	-5.921 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	704.3 kHz	x dB	-6.00 dB										
Mid ch	<p>Center Freq: 2.4400000 GHz #Res BW: 100.00 kHz #Video BW: 300.00 kHz Span: 3 MHz Sweep: 1.00 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>1.0769 MHz</td> <td>Total Power</td> <td>11.3 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-5.737 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>706.9 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	1.0769 MHz	Total Power	11.3 dBm	Transmit Freq Error	-5.737 kHz	% of OBW Power	99.00 %	x dB Bandwidth	706.9 kHz	x dB	-6.00 dB
Occupied Bandwidth	1.0769 MHz	Total Power	11.3 dBm										
Transmit Freq Error	-5.737 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	706.9 kHz	x dB	-6.00 dB										
High ch	<p>Center Freq: 2.4800000 GHz #Res BW: 100.00 kHz #Video BW: 300.00 kHz Span: 3 MHz Sweep: 1.00 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>1.0775 MHz</td> <td>Total Power</td> <td>11.3 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>-6.244 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>696.2 kHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	1.0775 MHz	Total Power	11.3 dBm	Transmit Freq Error	-6.244 kHz	% of OBW Power	99.00 %	x dB Bandwidth	696.2 kHz	x dB	-6.00 dB
Occupied Bandwidth	1.0775 MHz	Total Power	11.3 dBm										
Transmit Freq Error	-6.244 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	696.2 kHz	x dB	-6.00 dB										



99 % Occupied Bandwidth





Power Density

