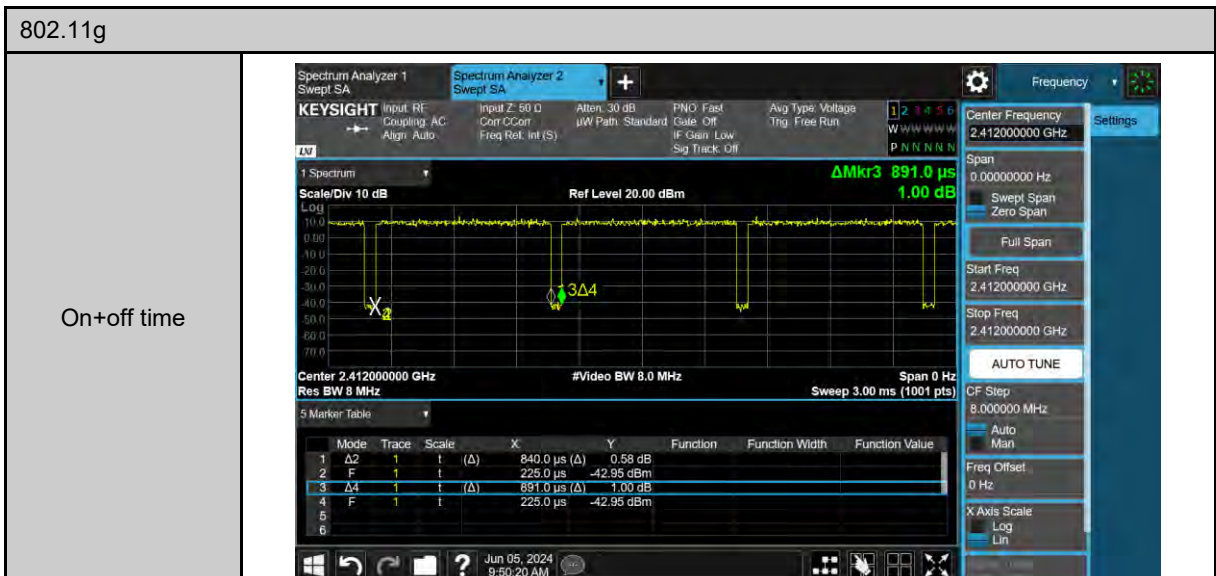
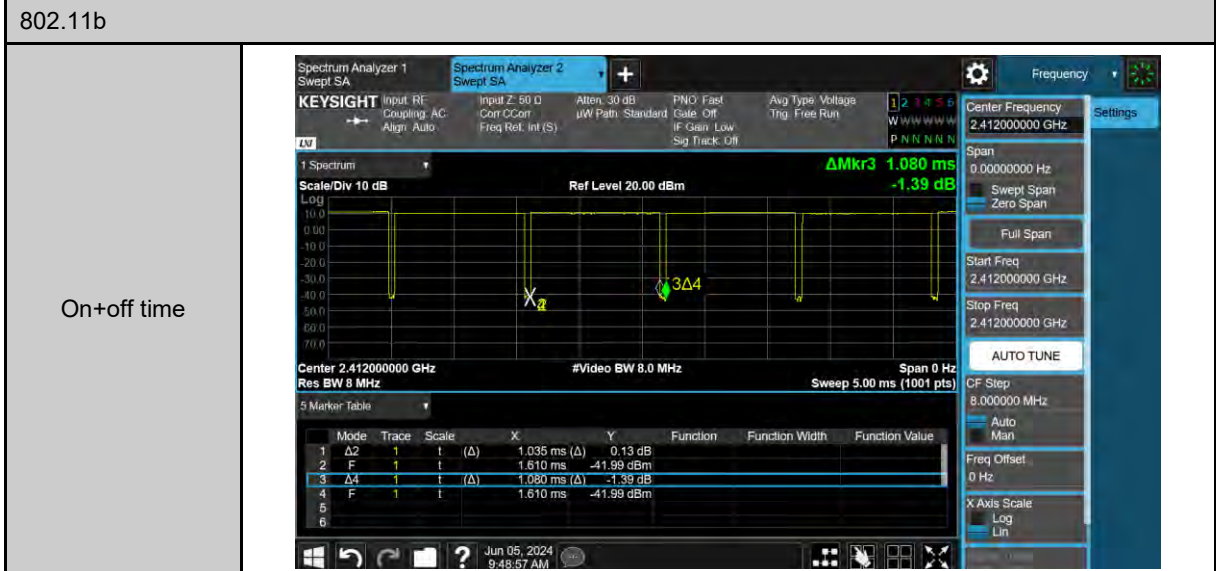
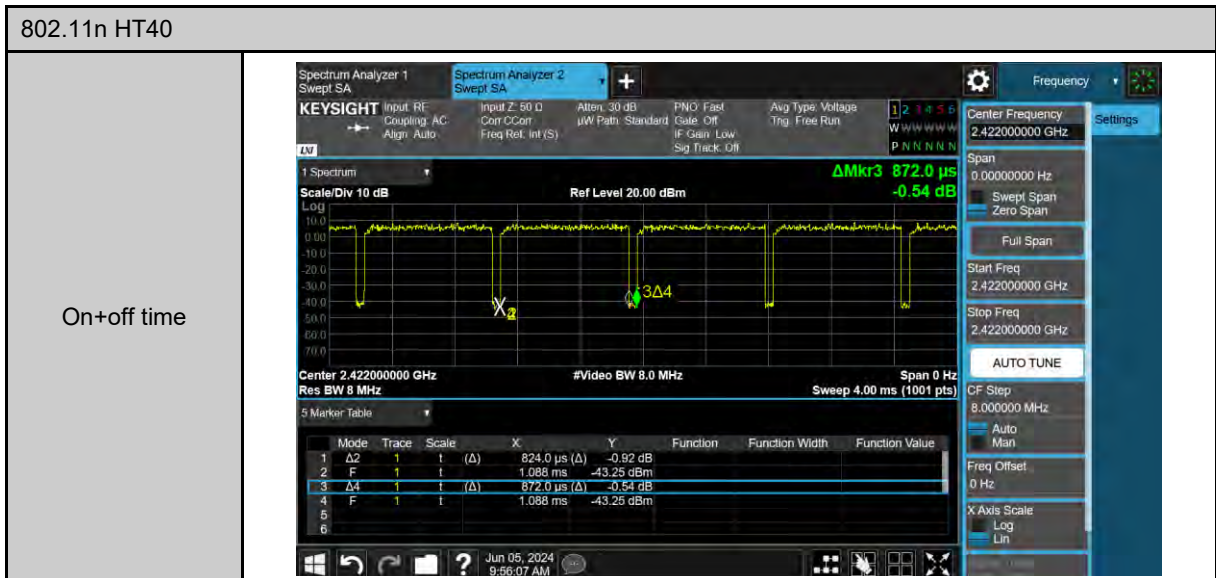
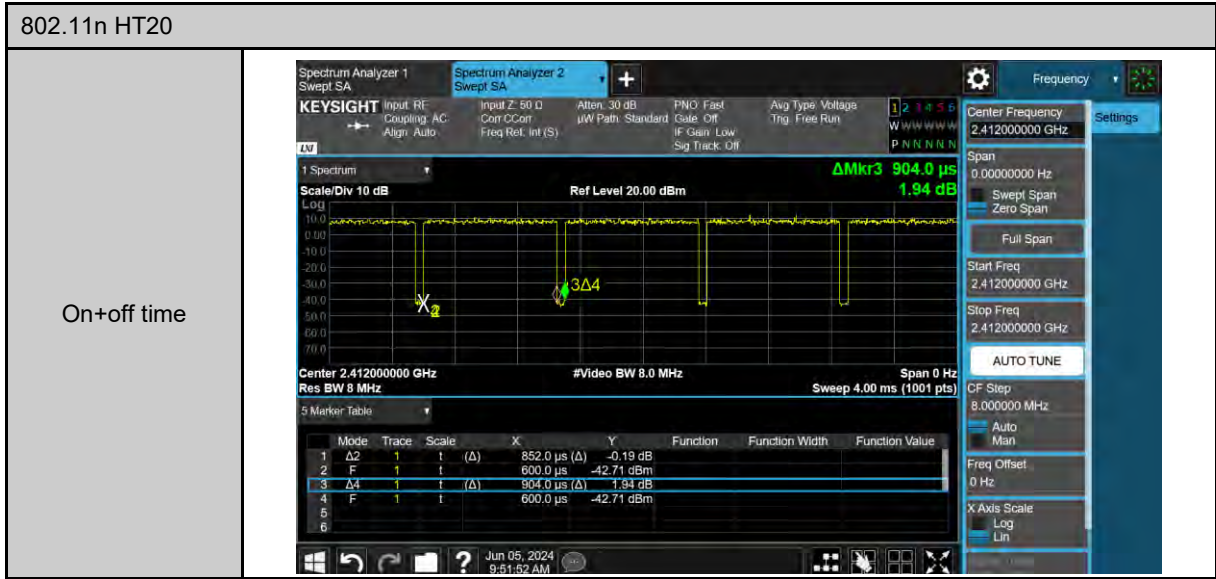
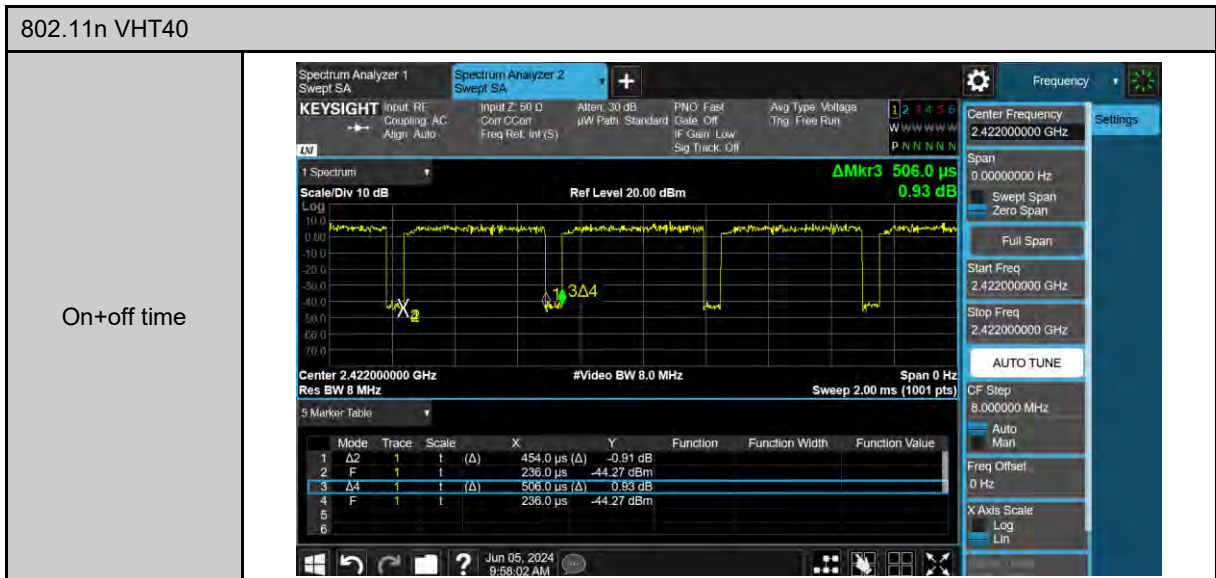
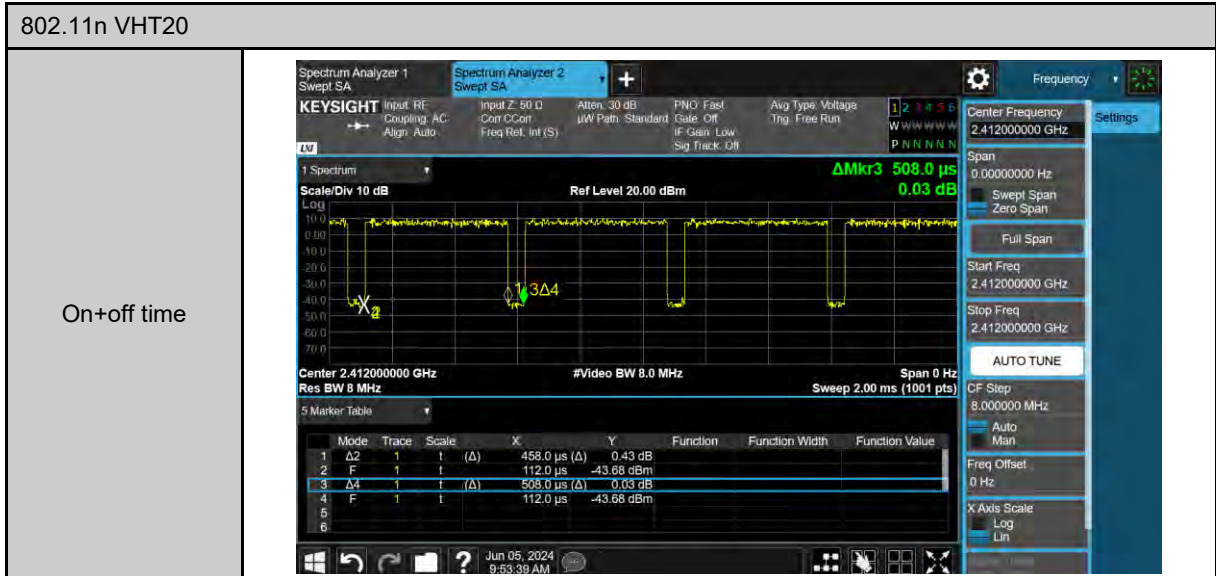


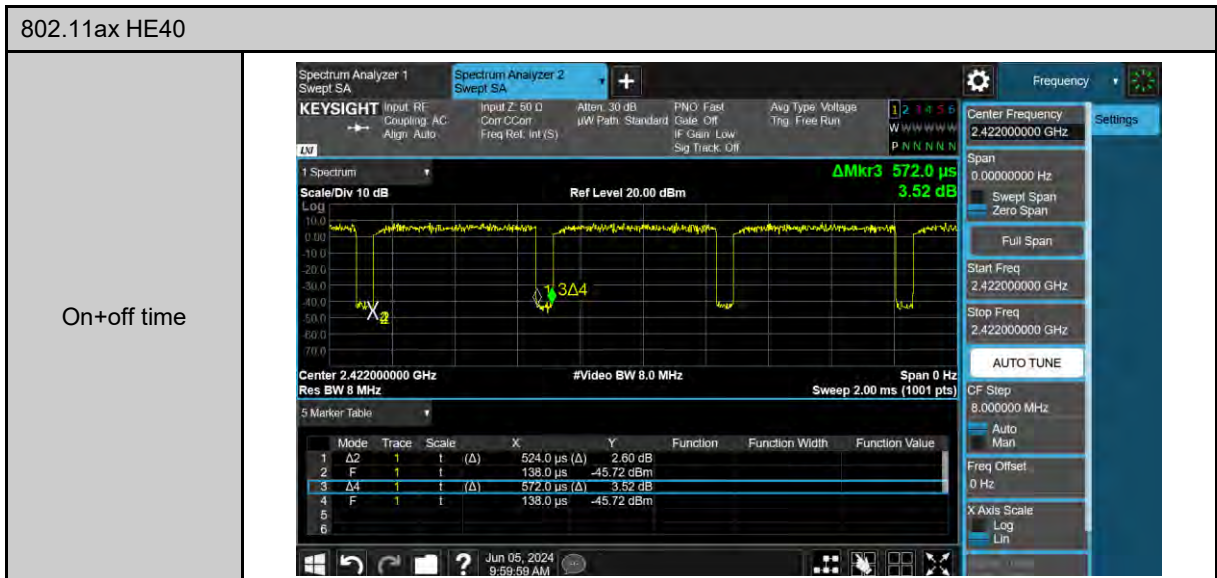
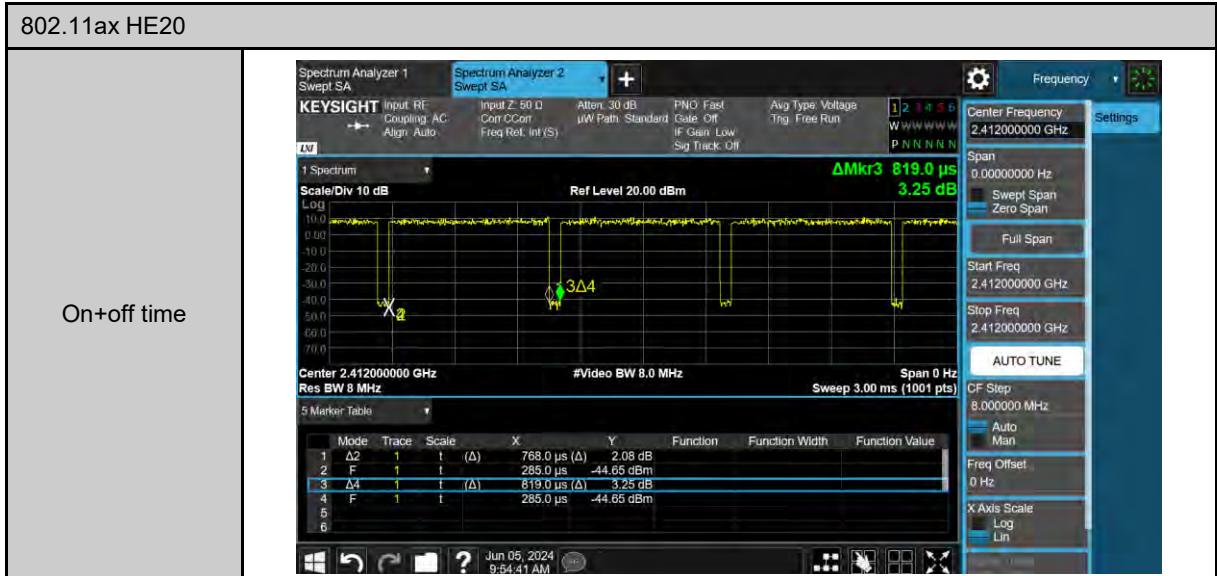
## Appendix B. Test Plots

### Duty cycle



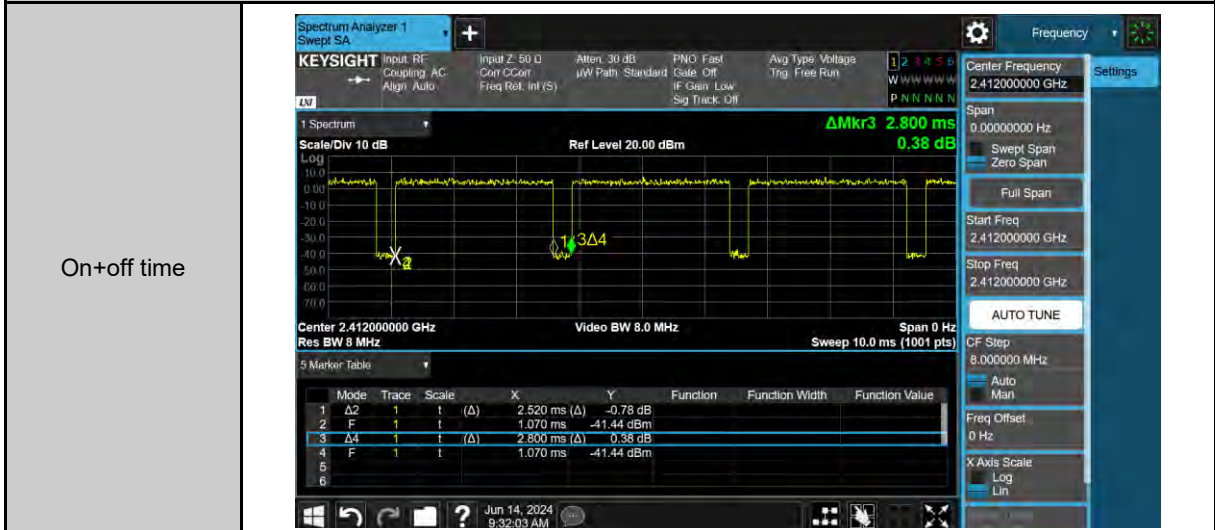




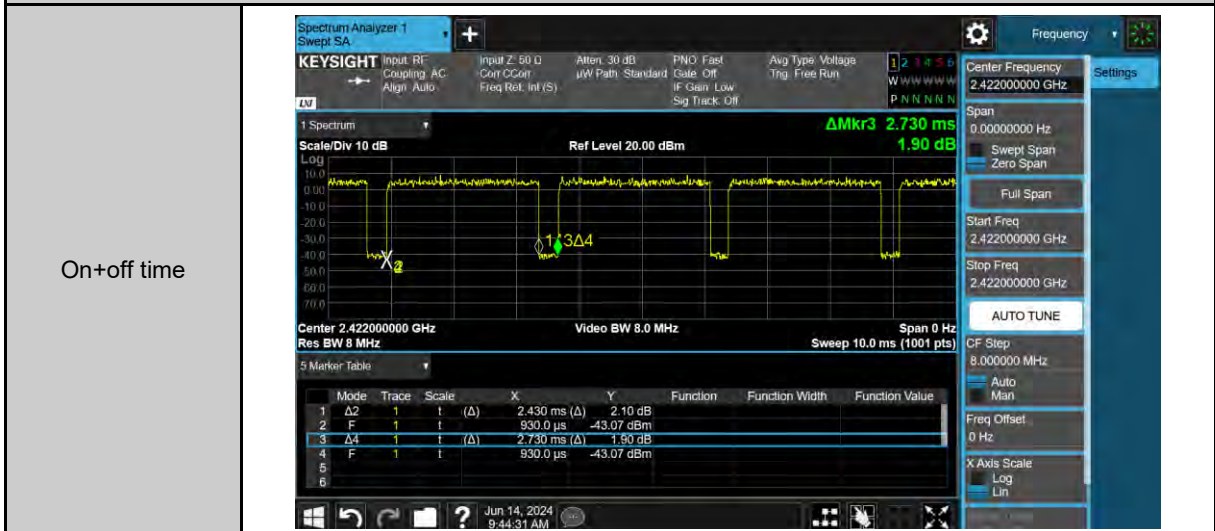


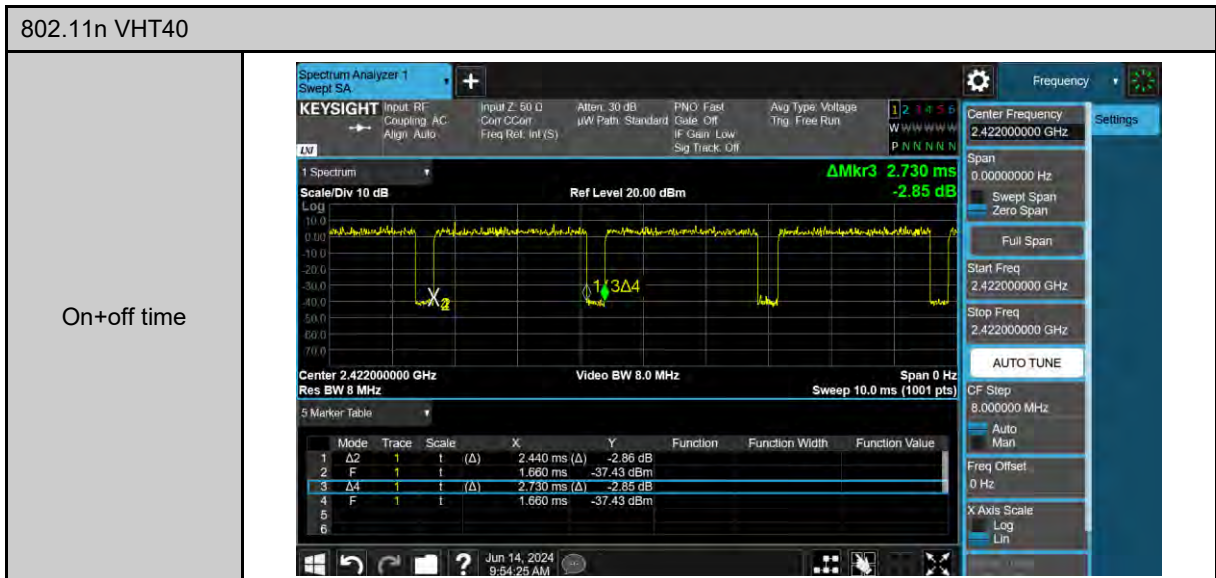
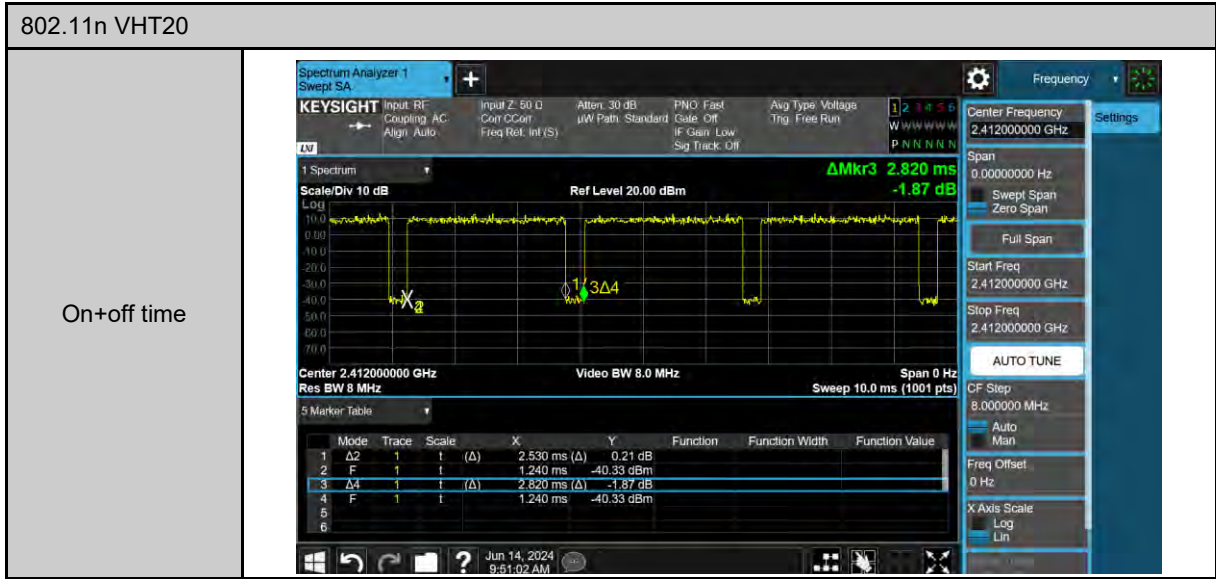
Beamforming on

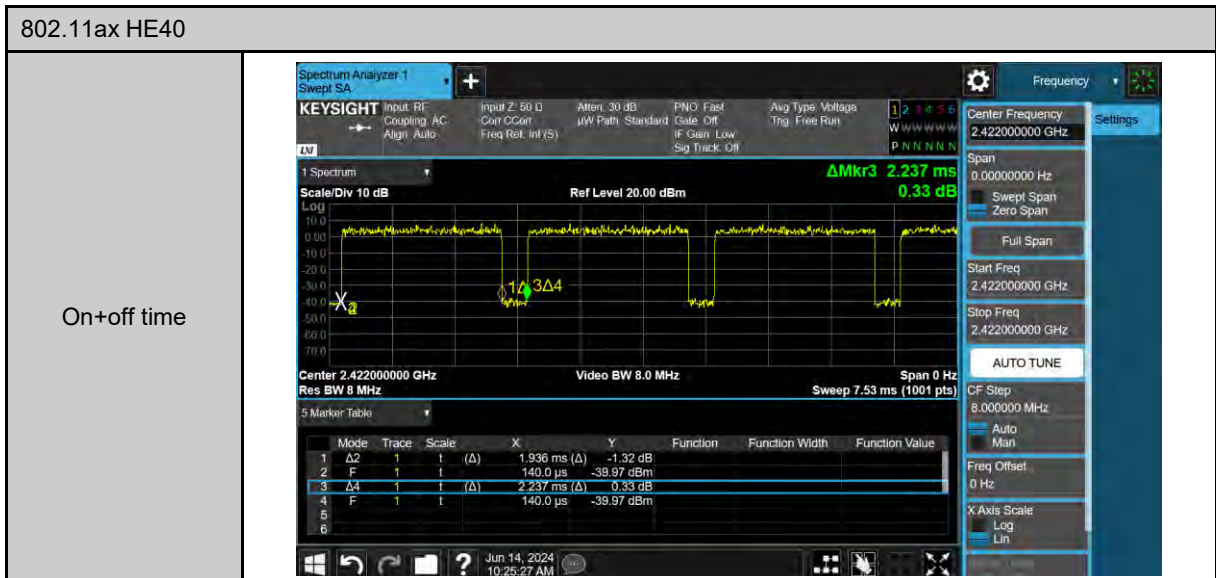
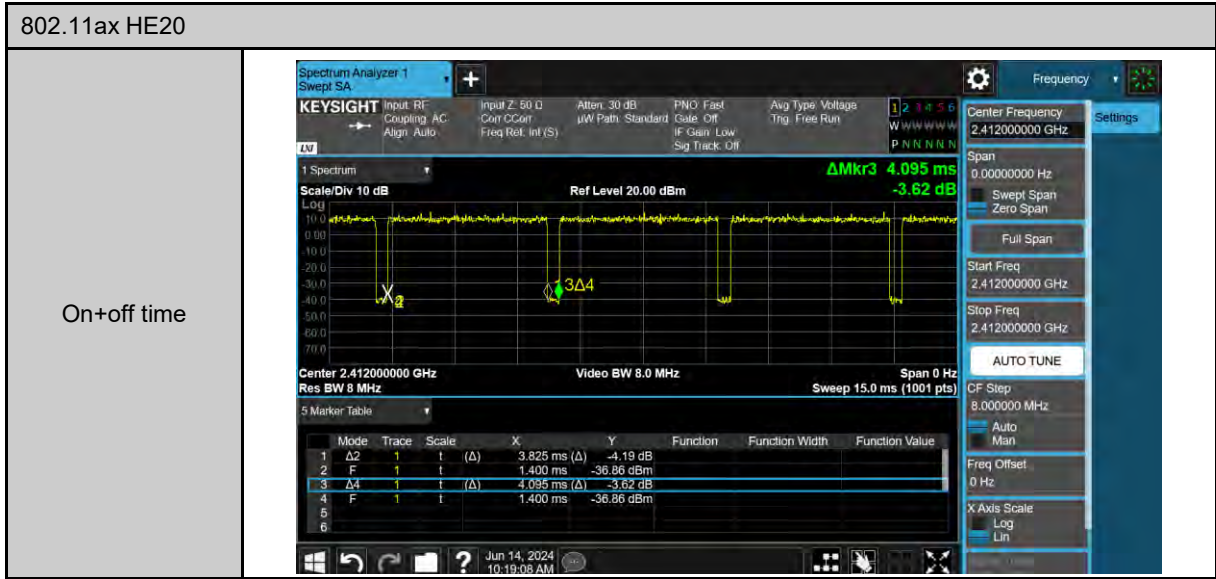
802.11n HT20



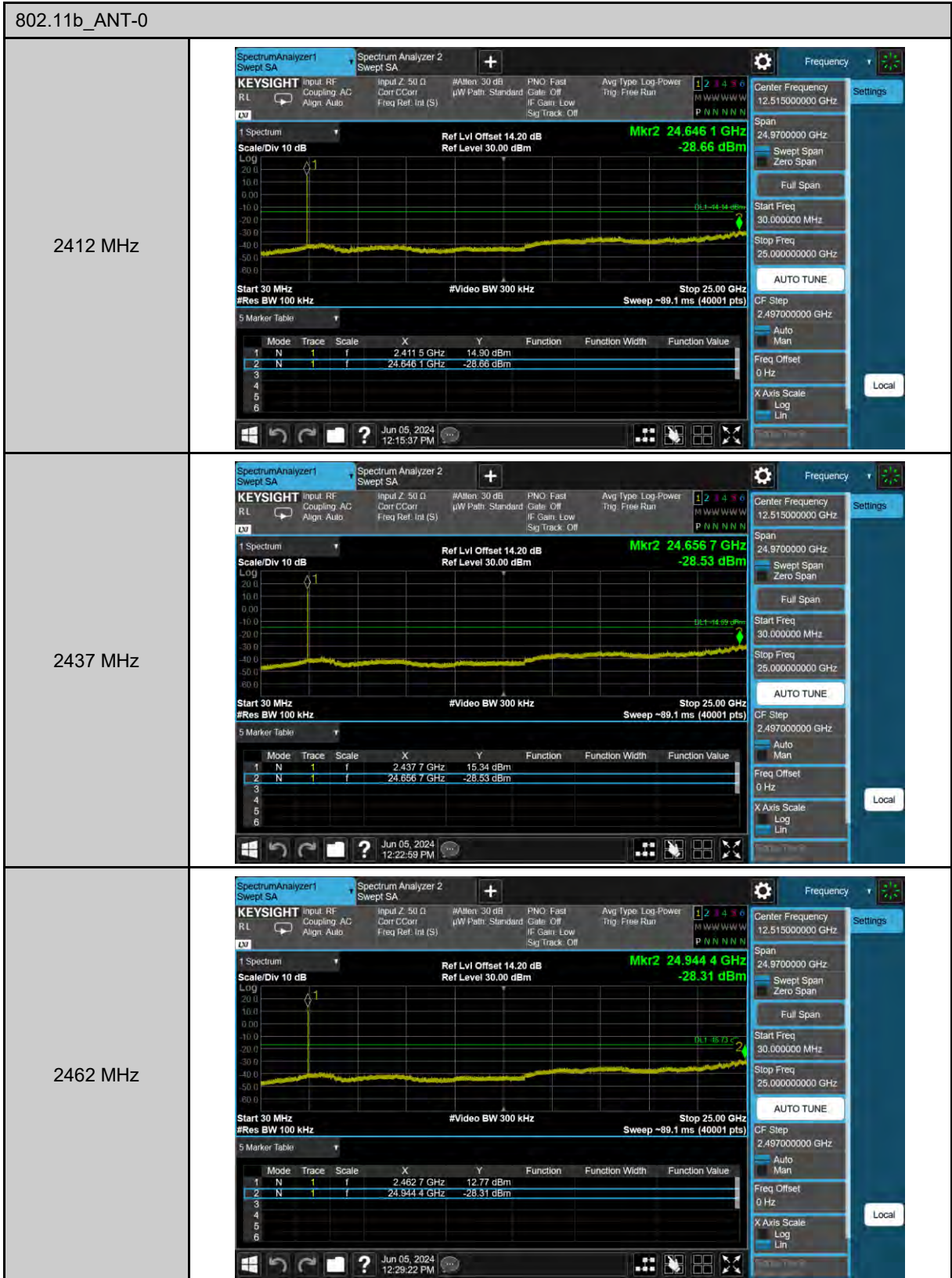
802.11n HT40

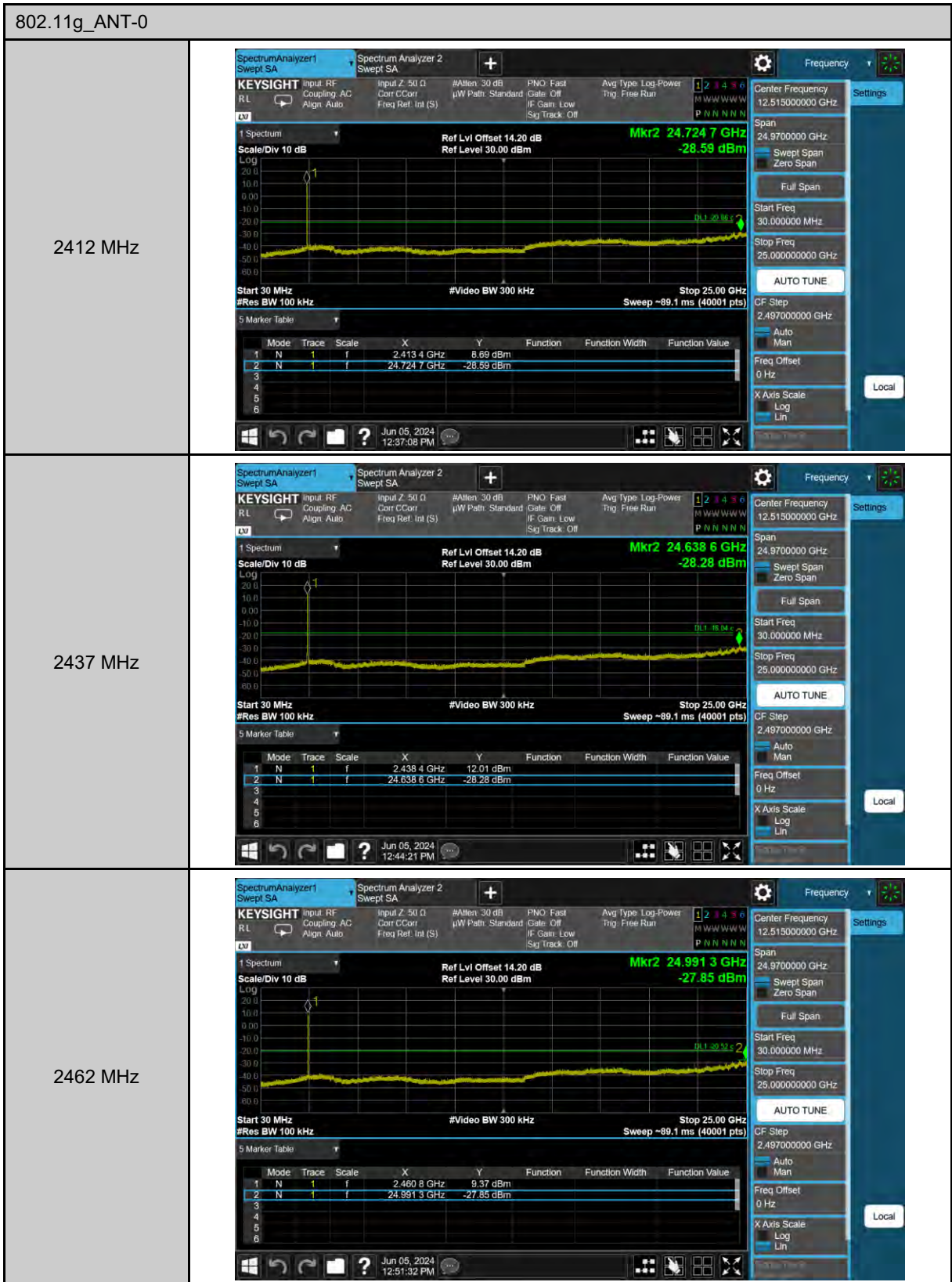


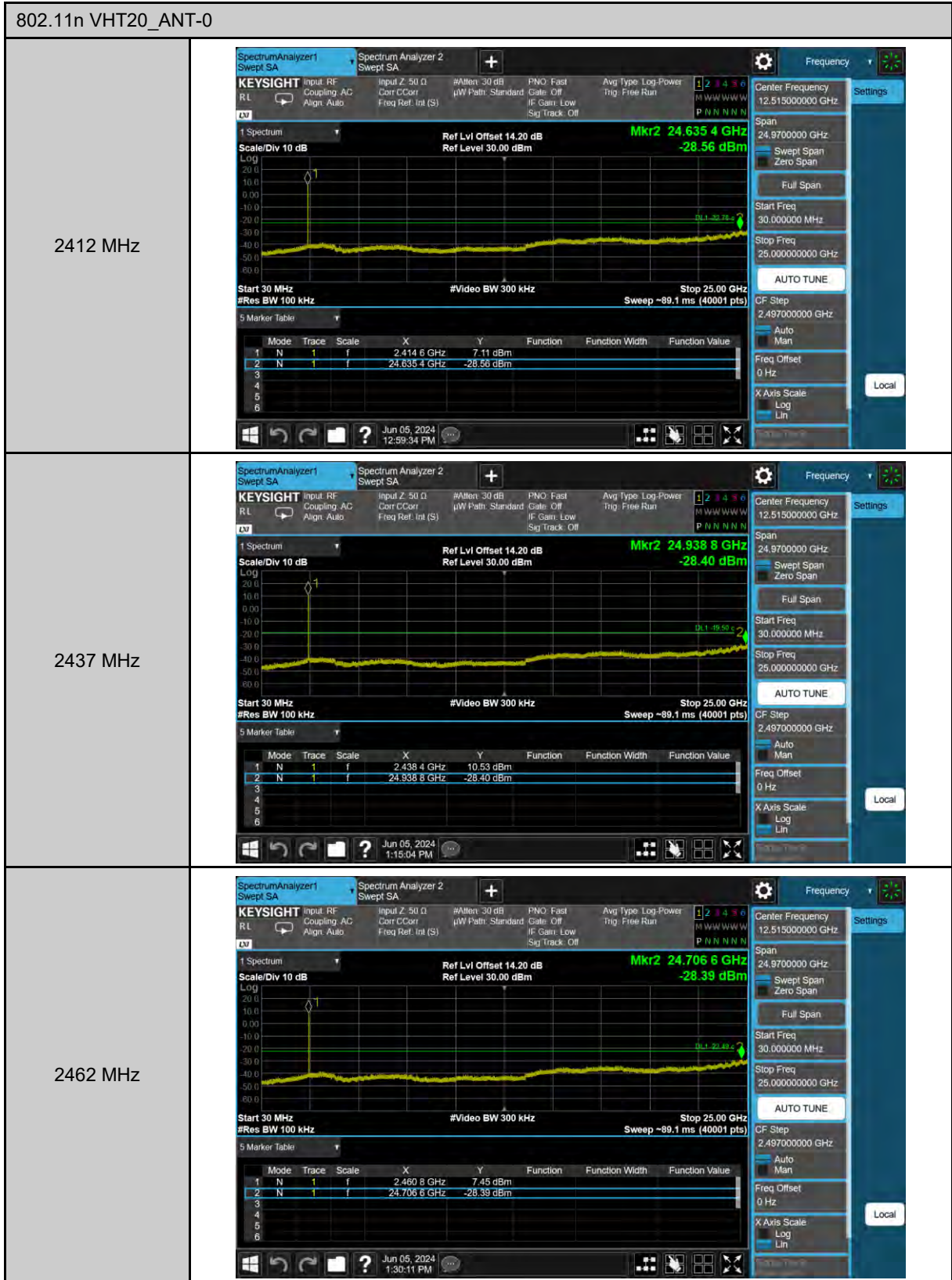


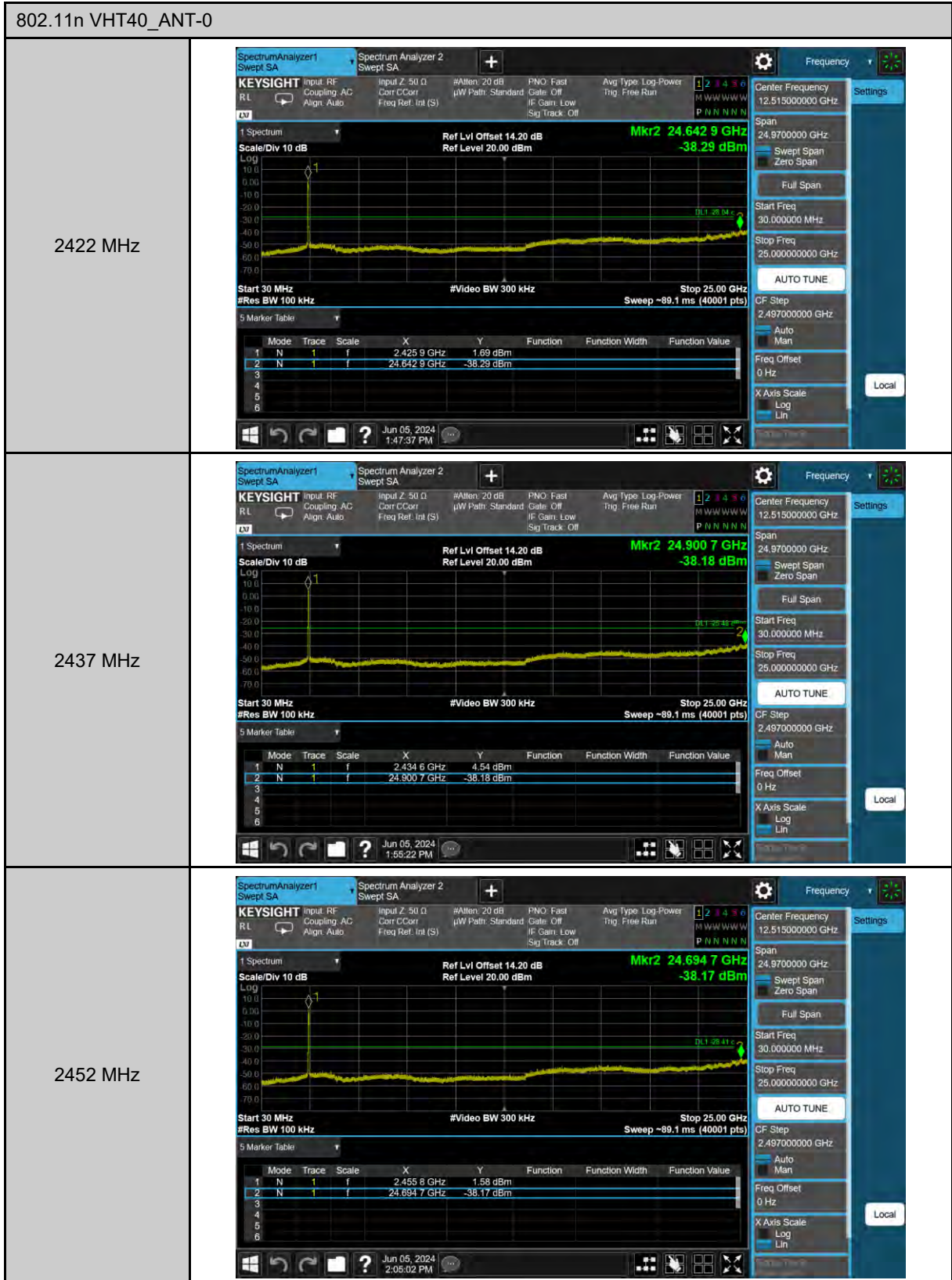


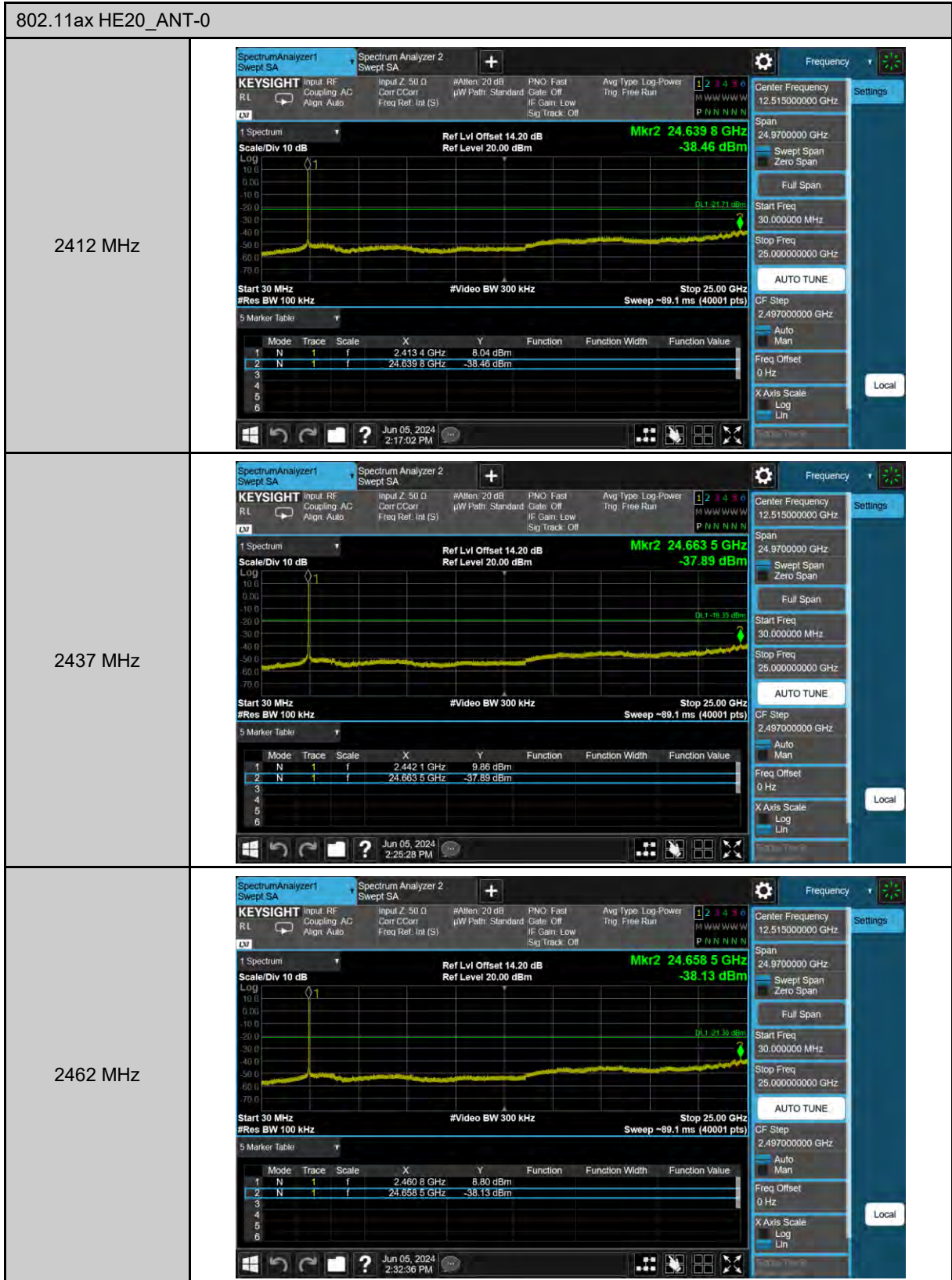
Out of Band Conducted Spurious Emission

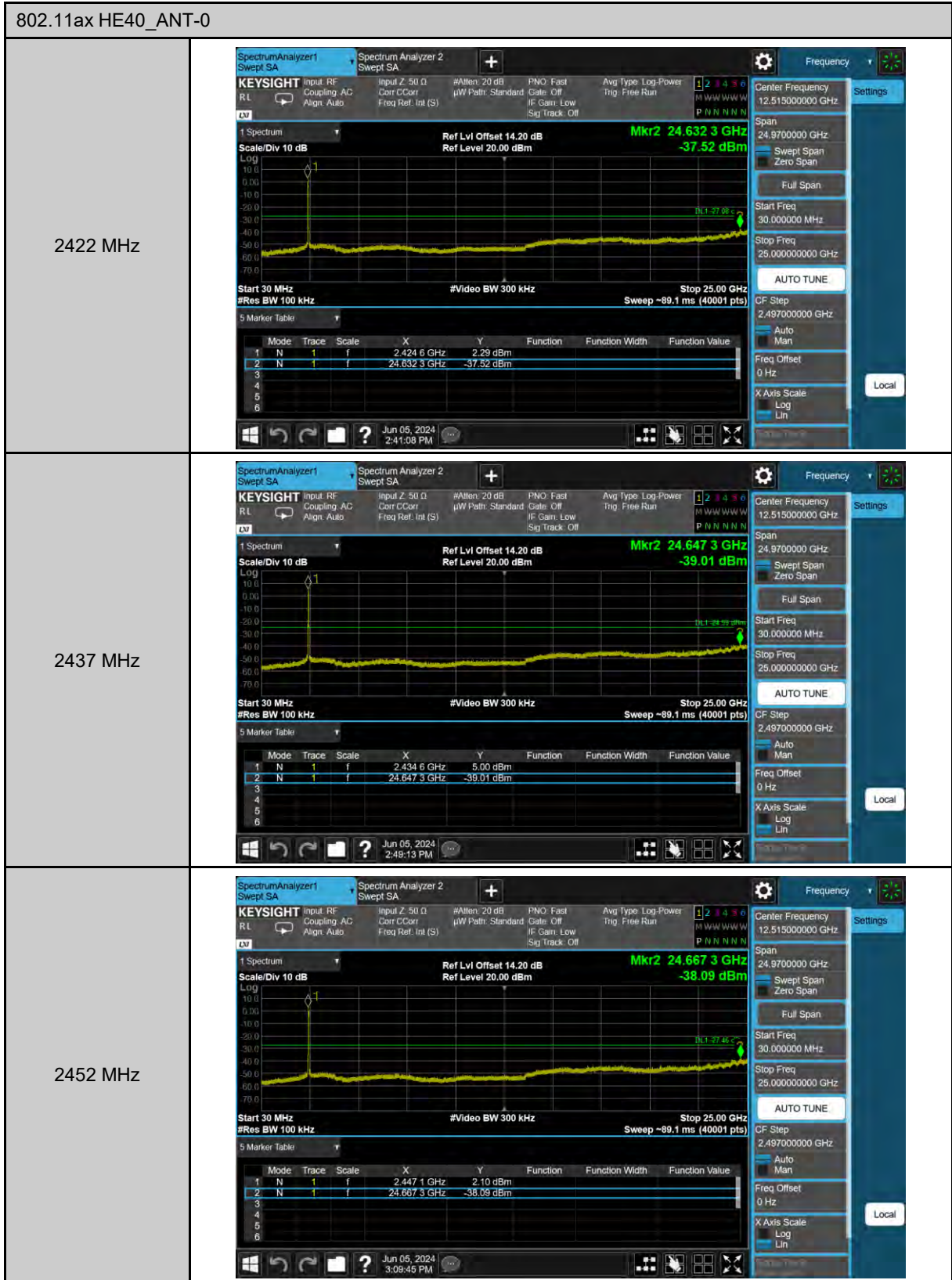


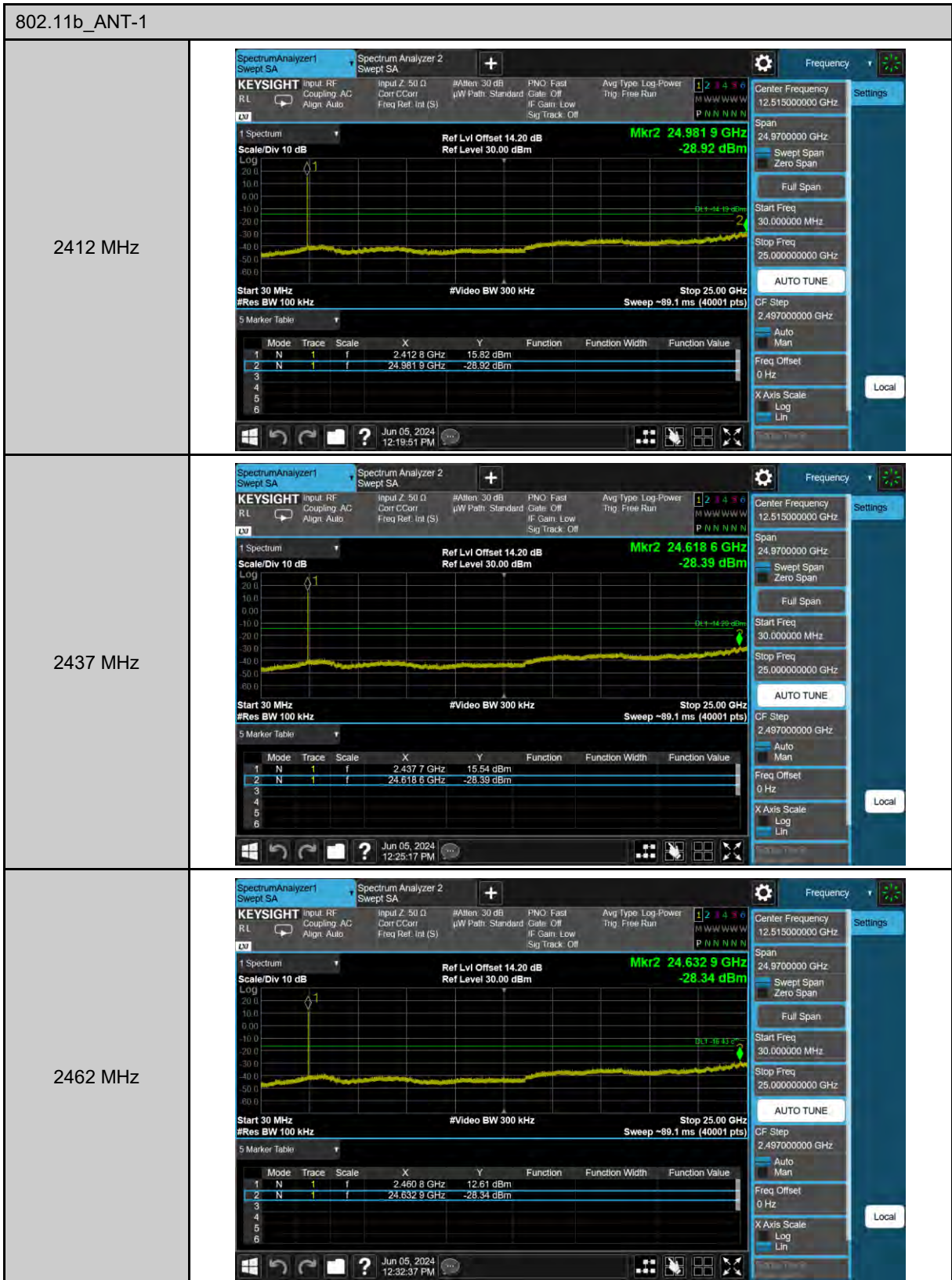


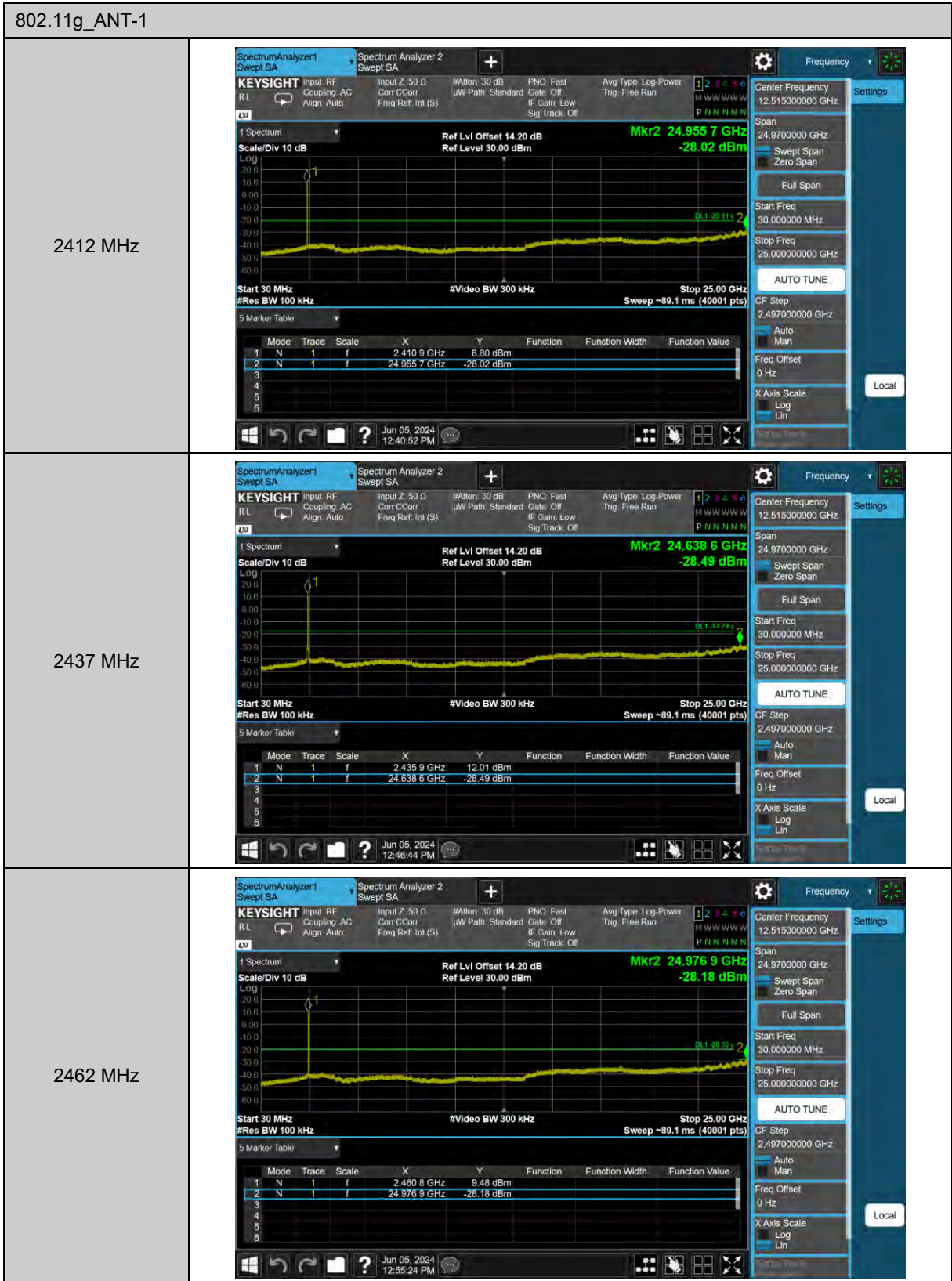


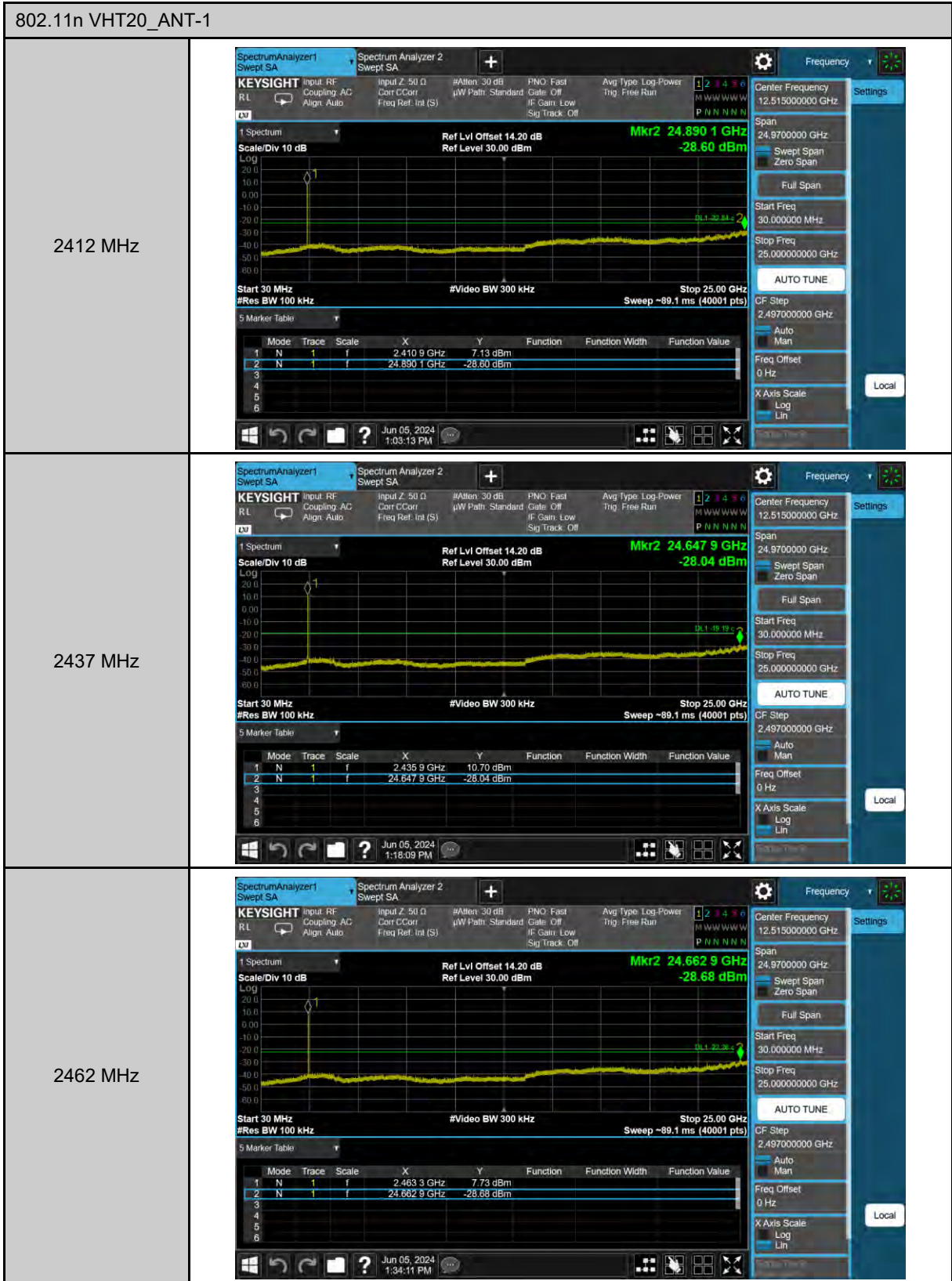


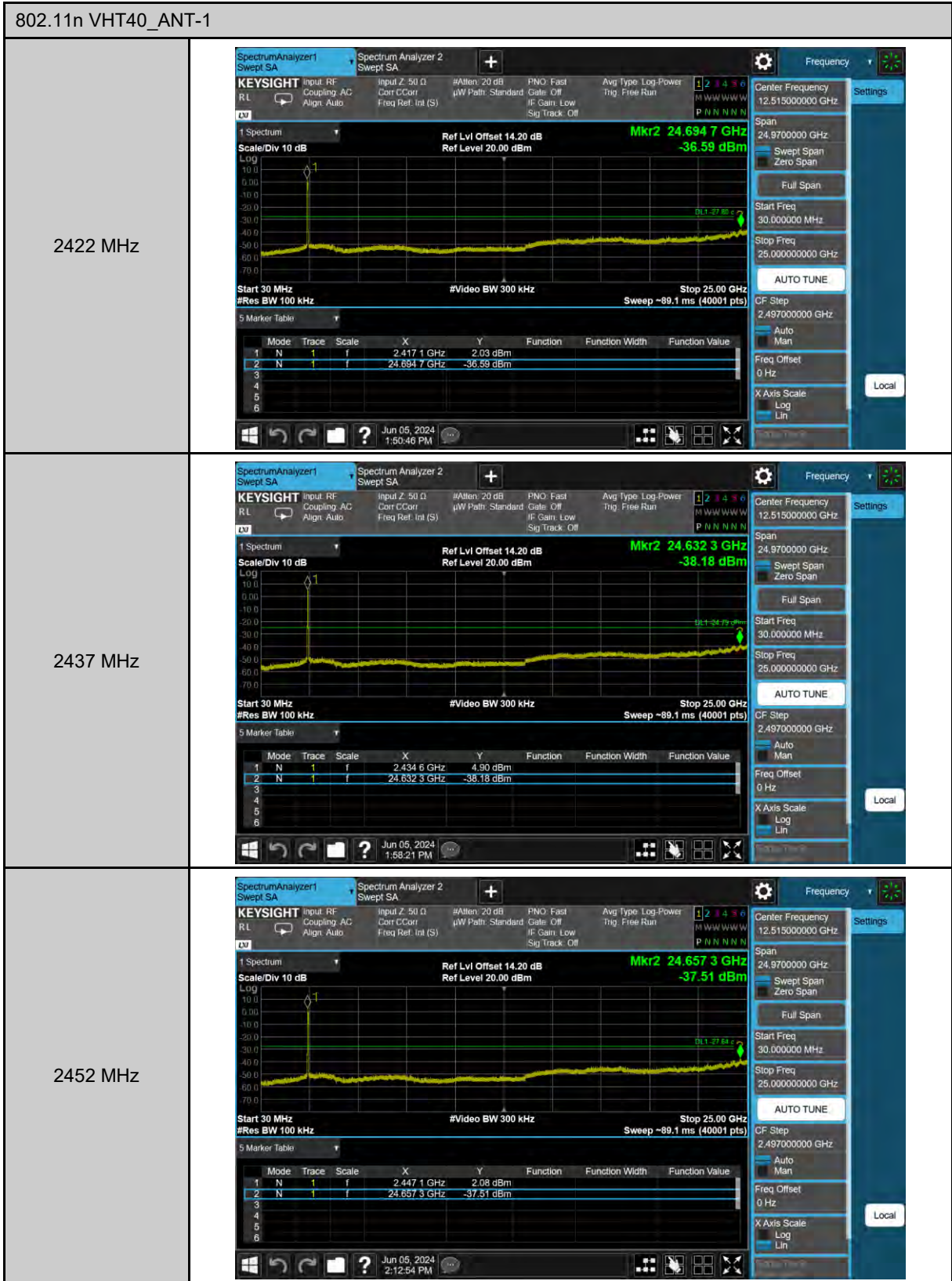


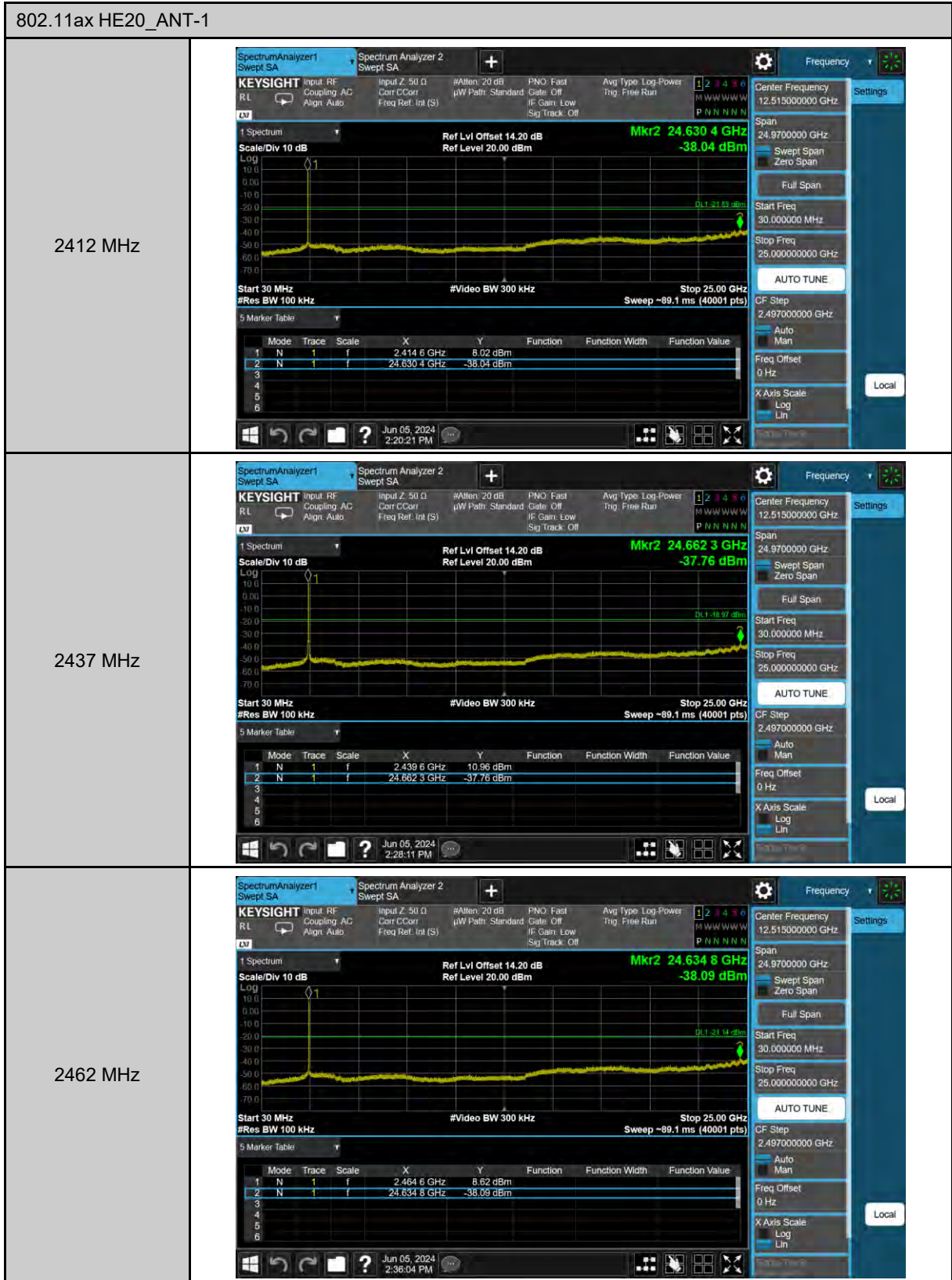


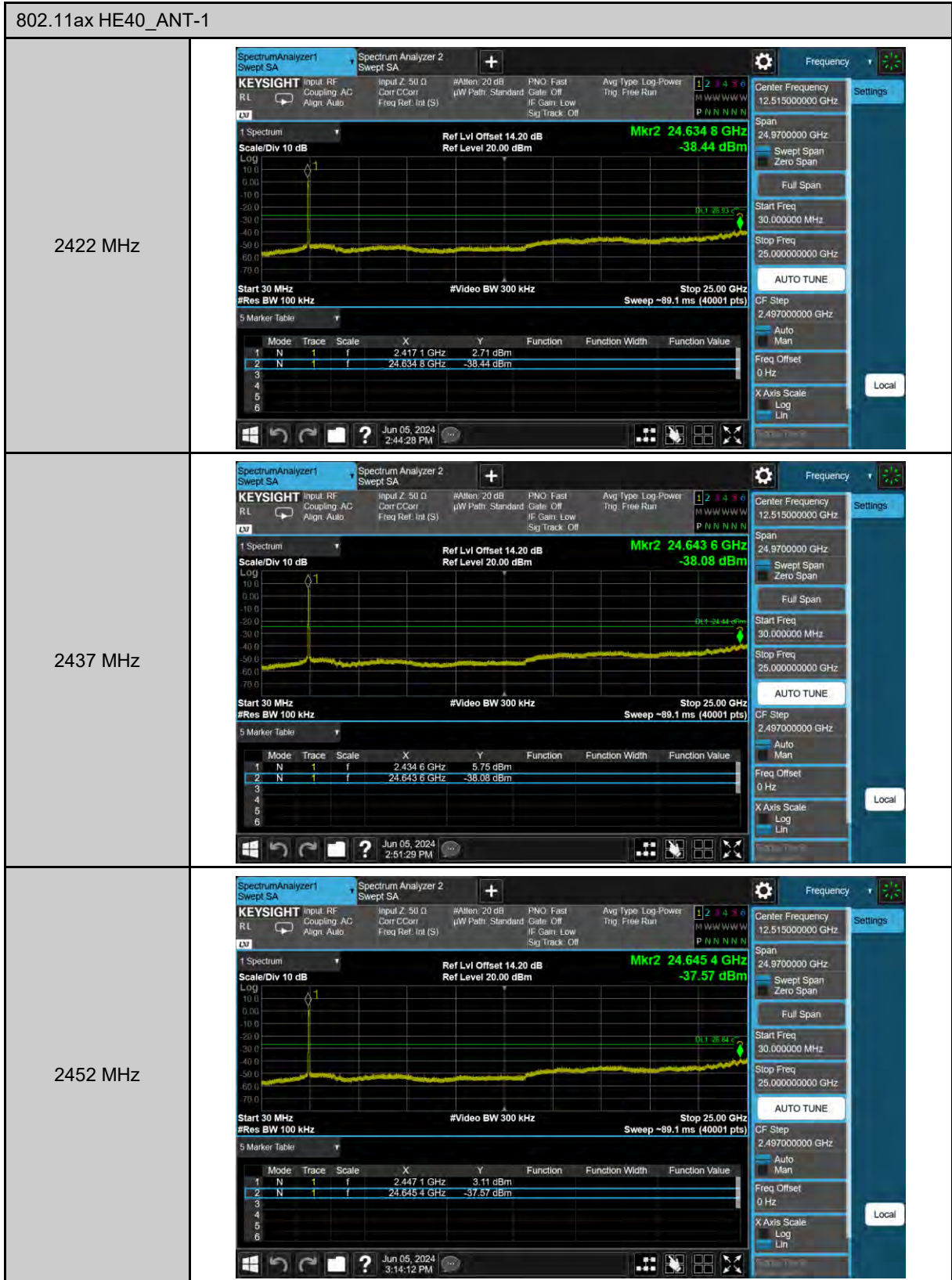






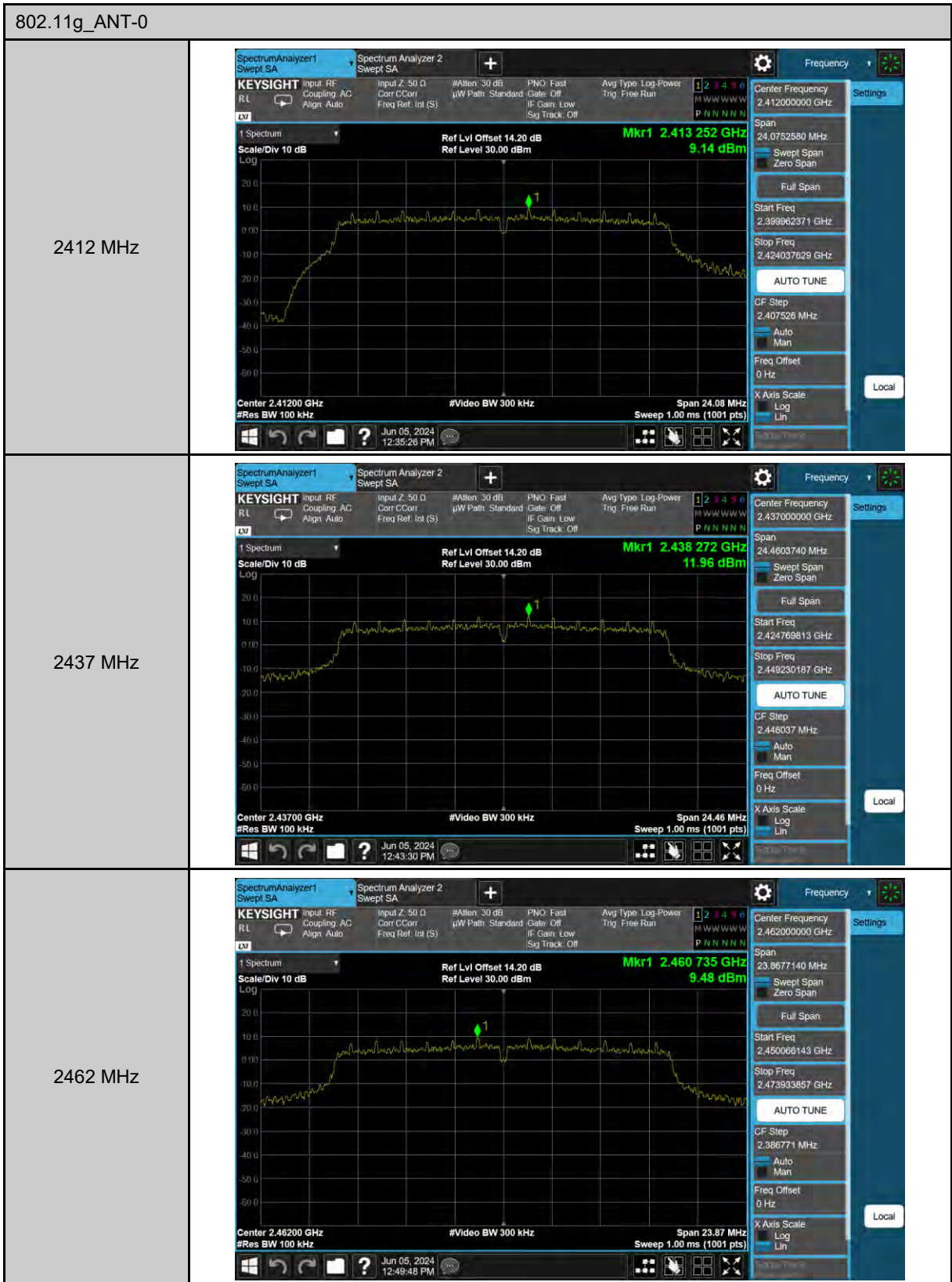


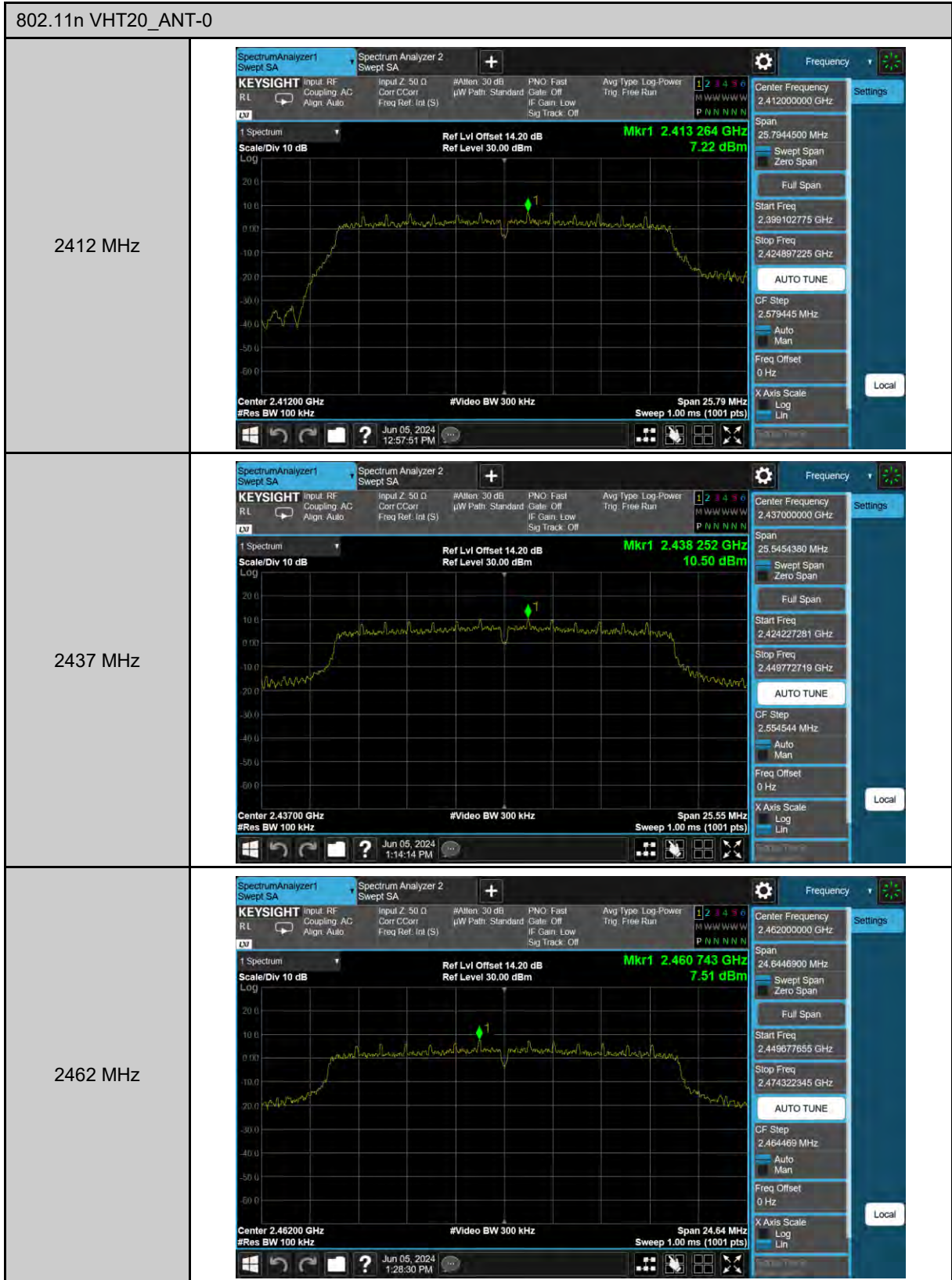




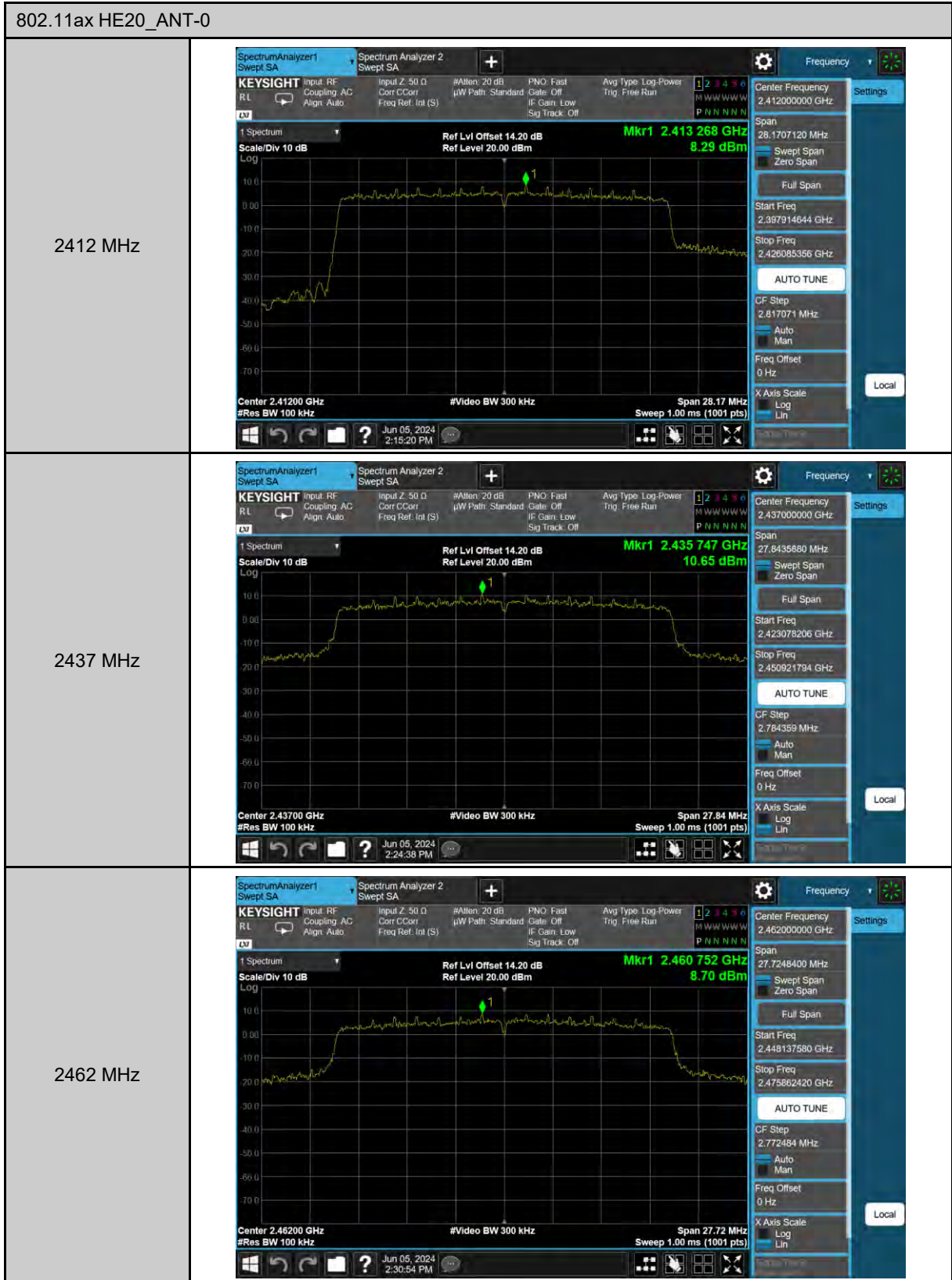
Reference level

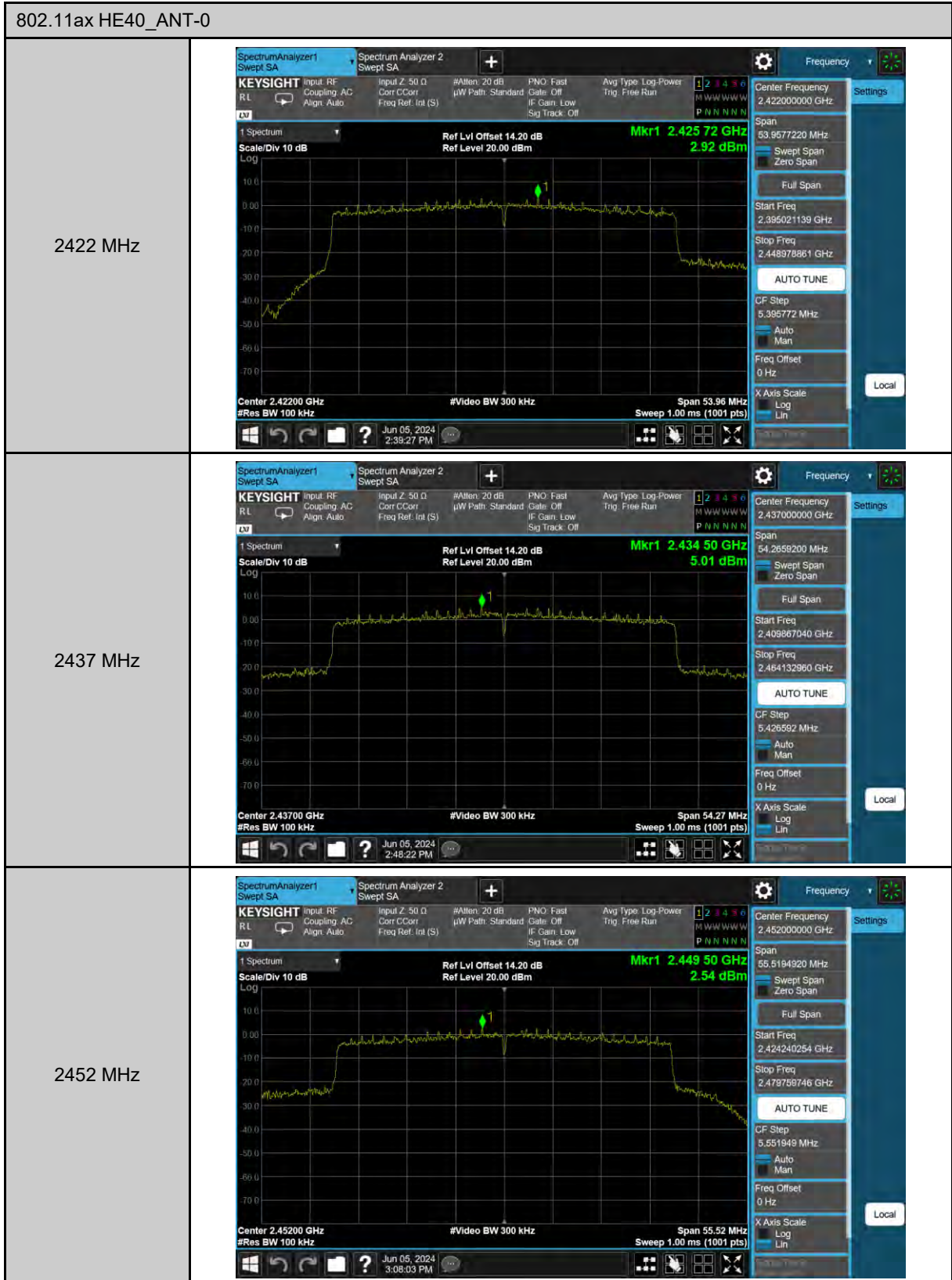
802.11b_ANT-0	
2412 MHz	
2437 MHz	
2462 MHz	

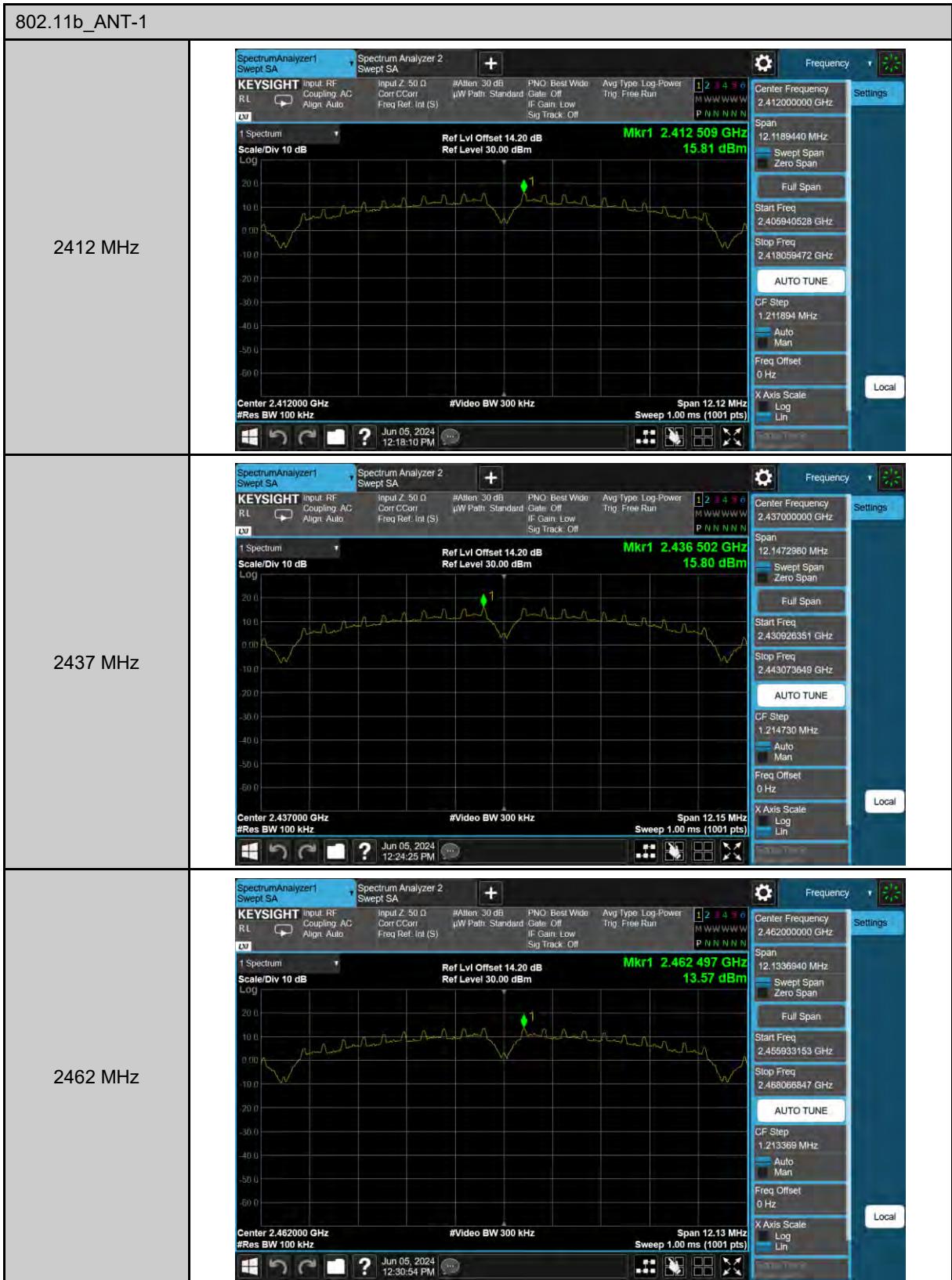


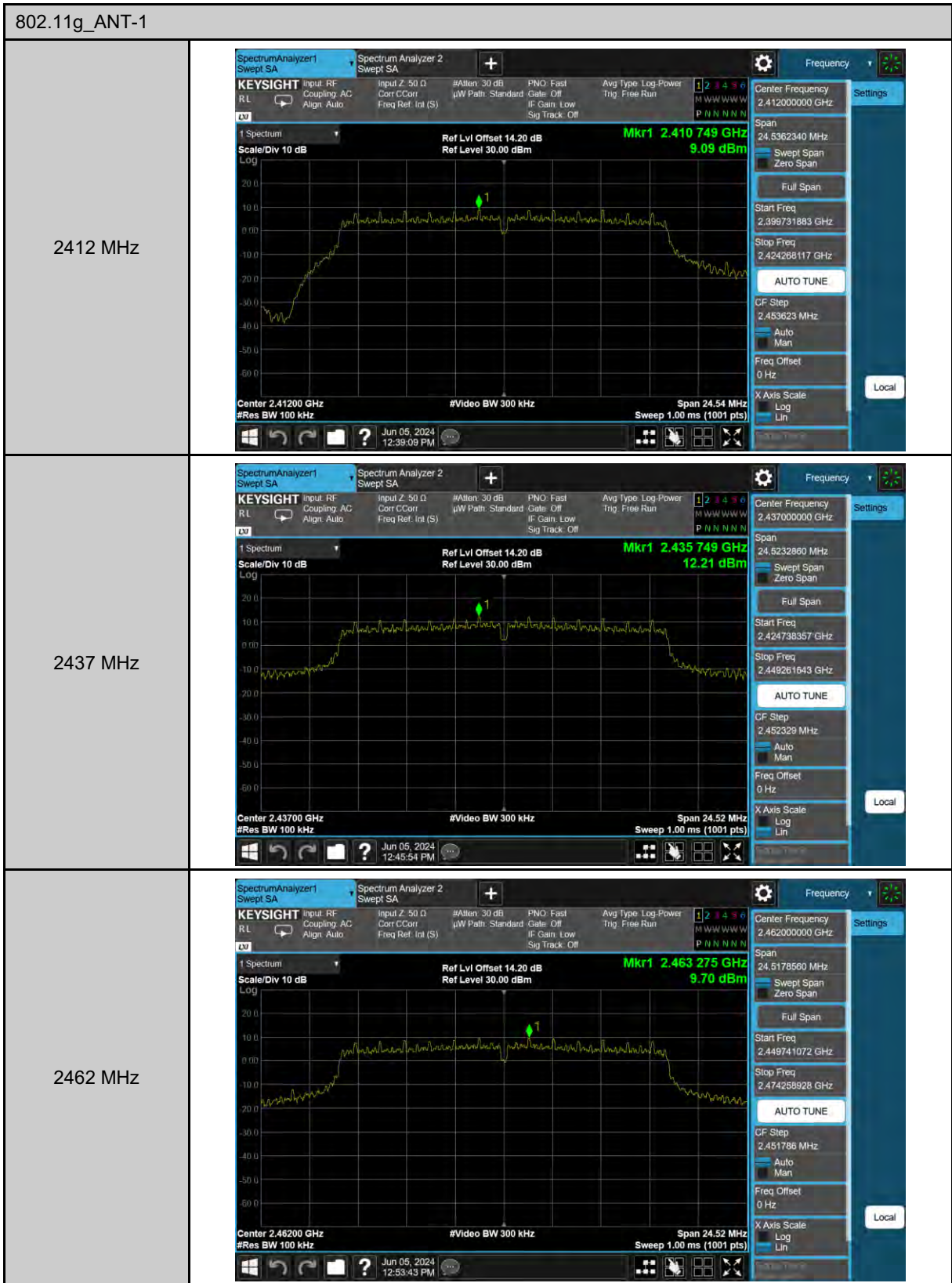


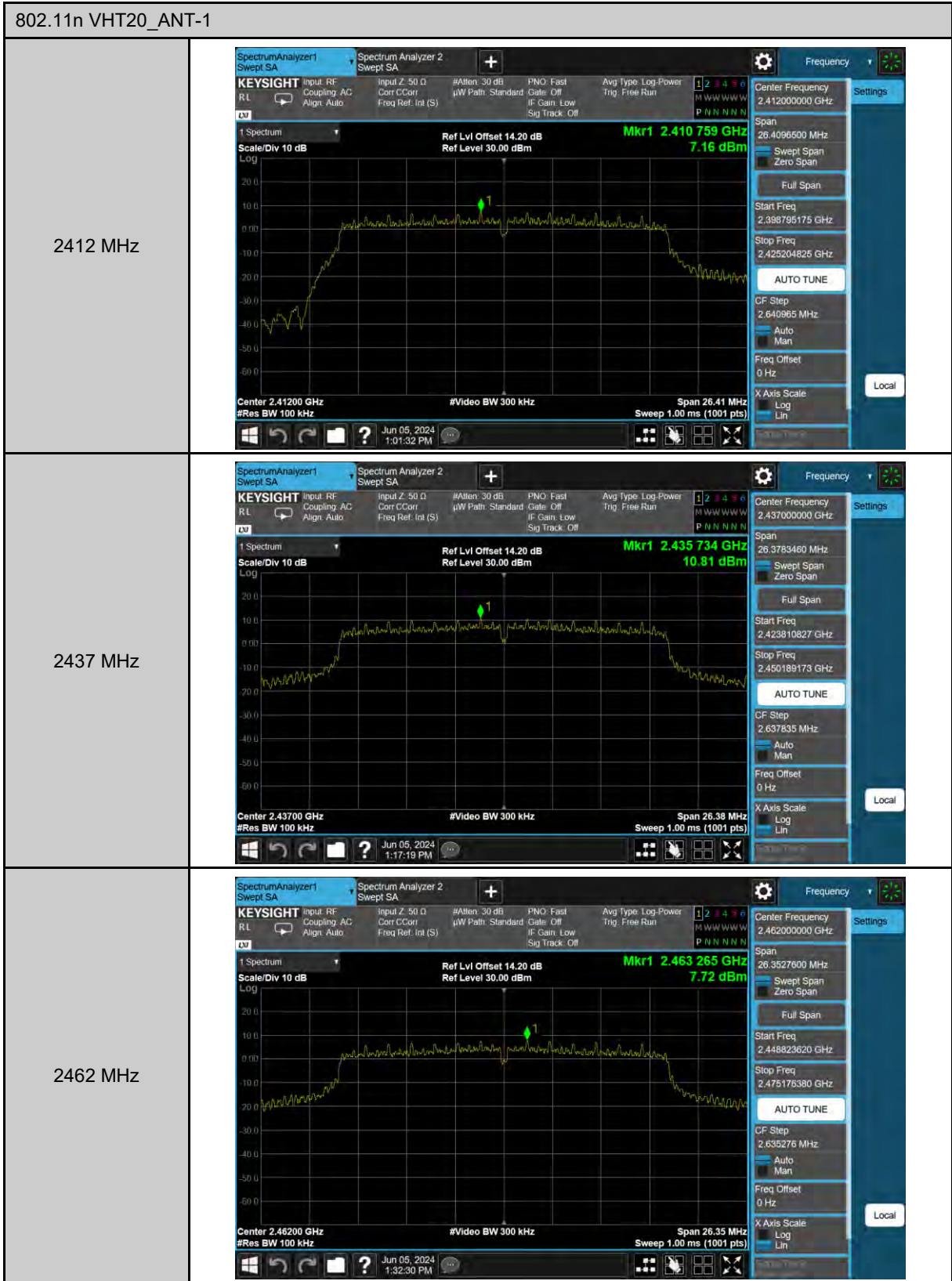


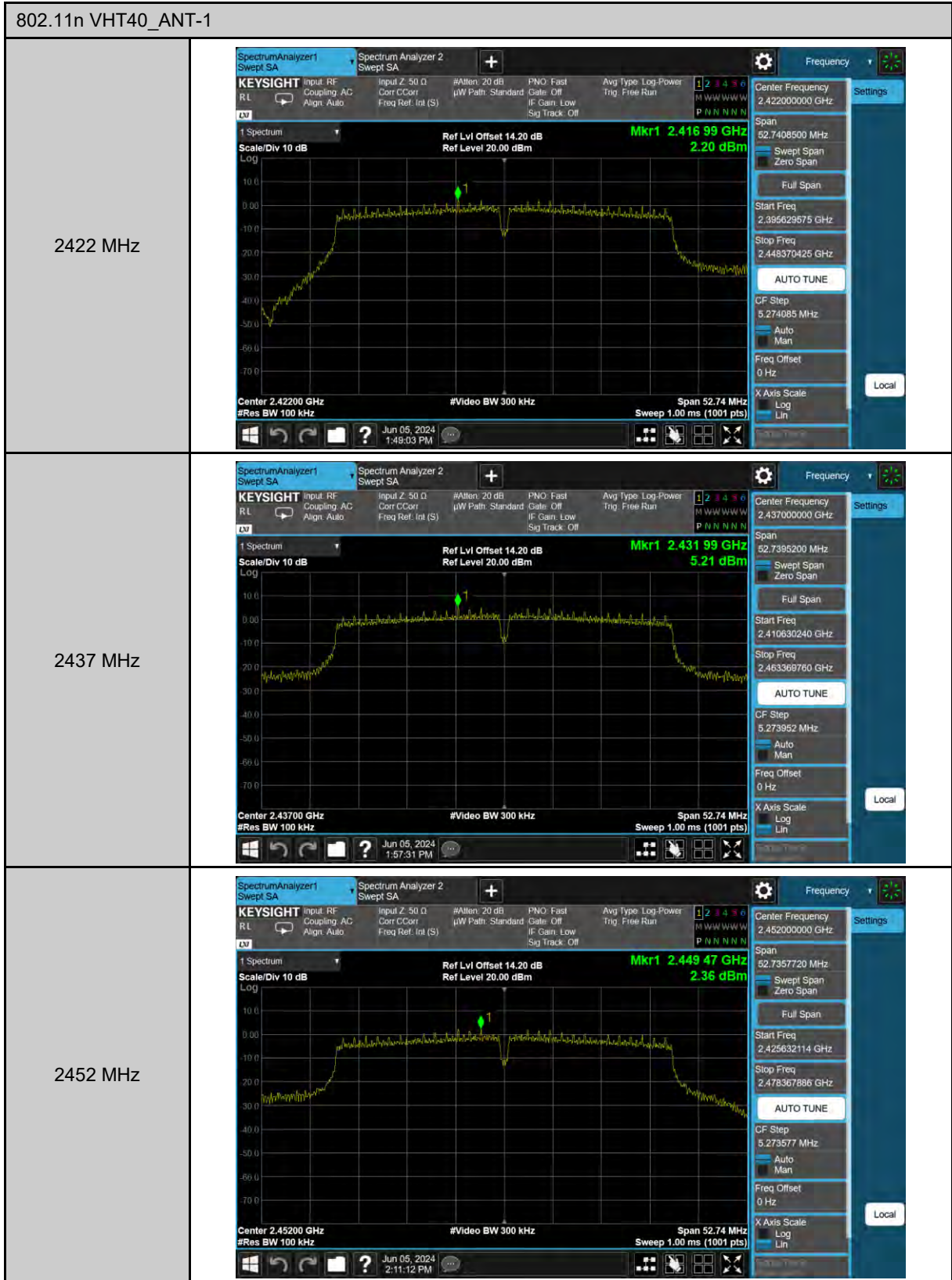


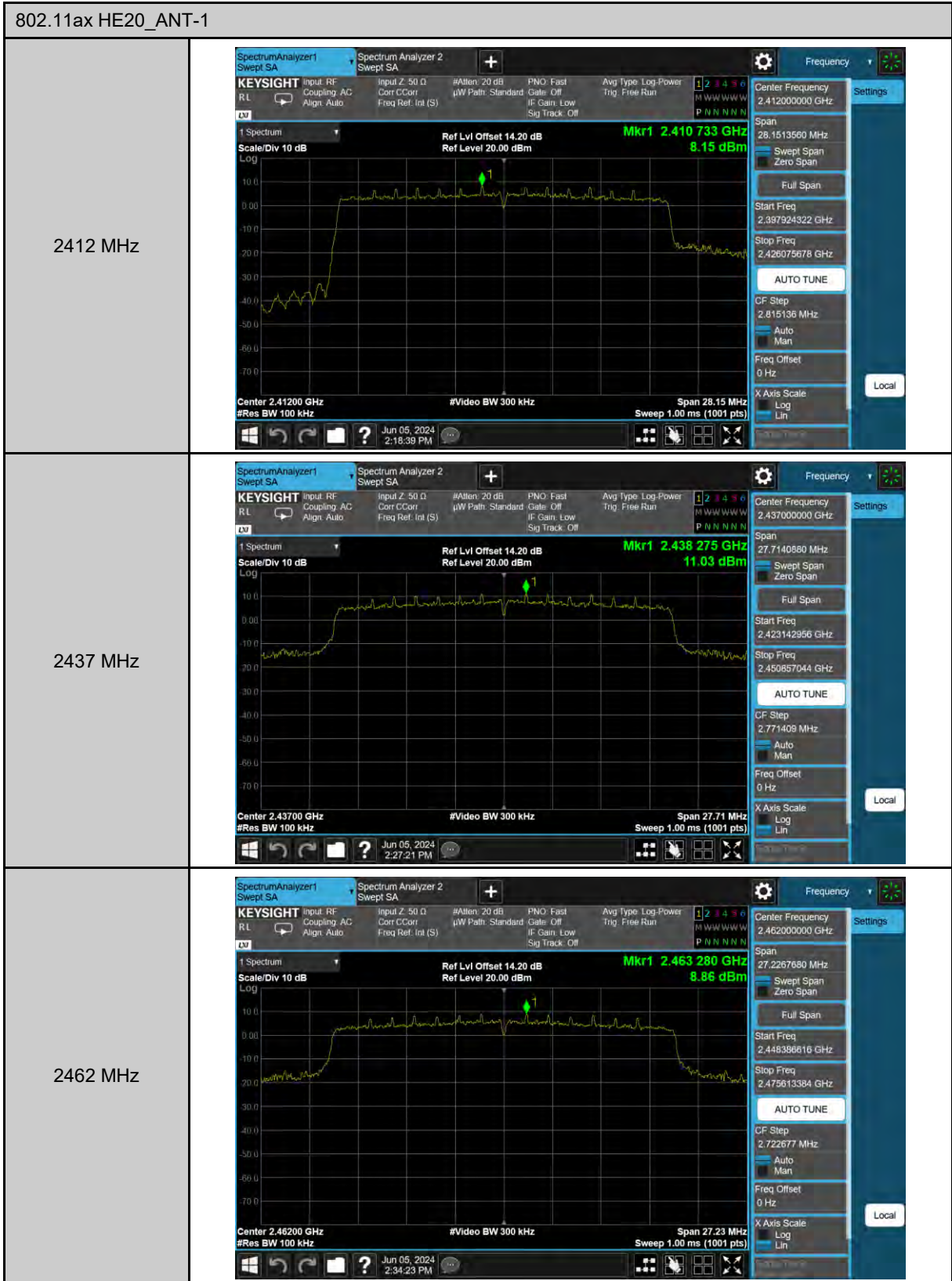


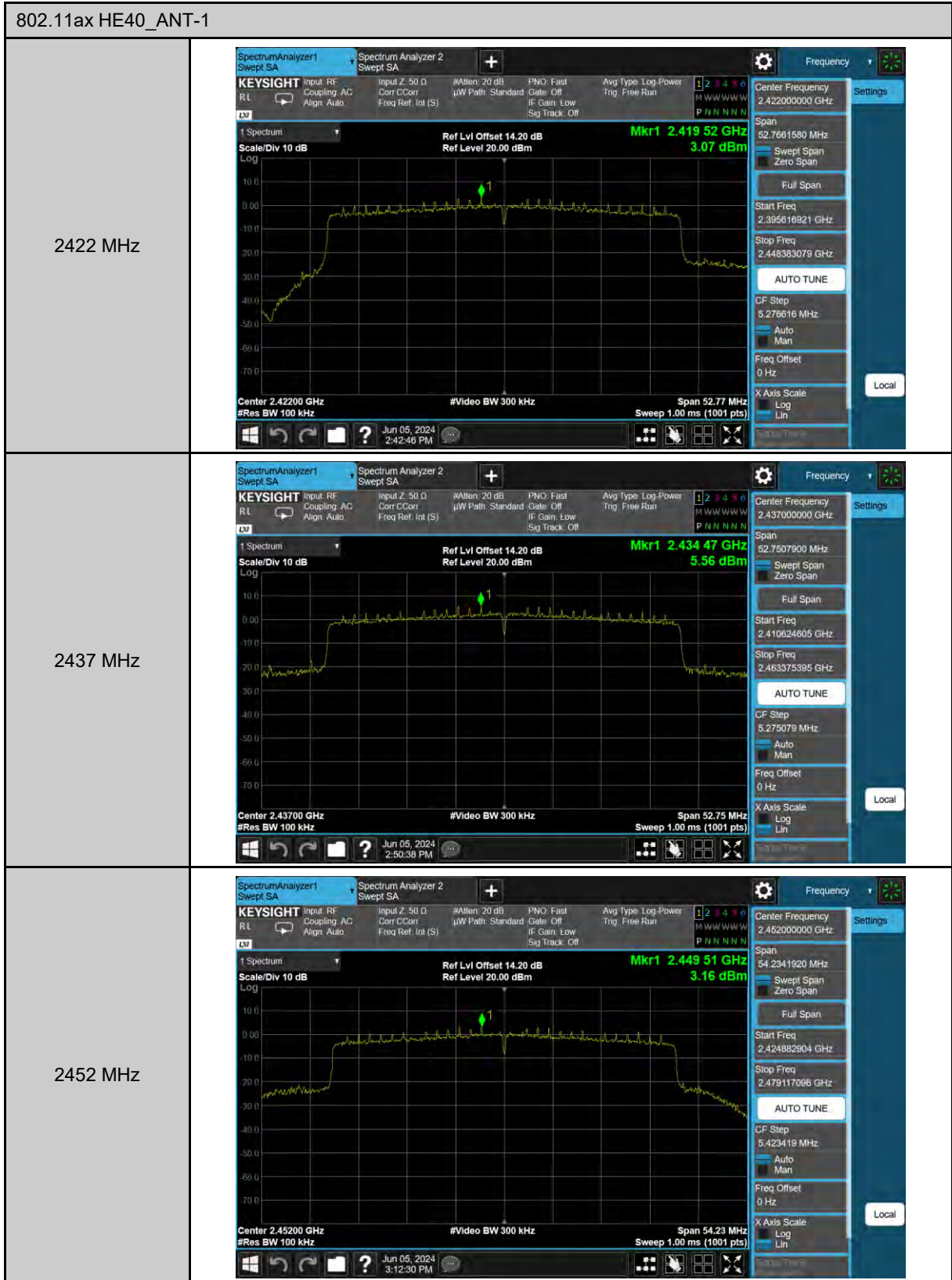




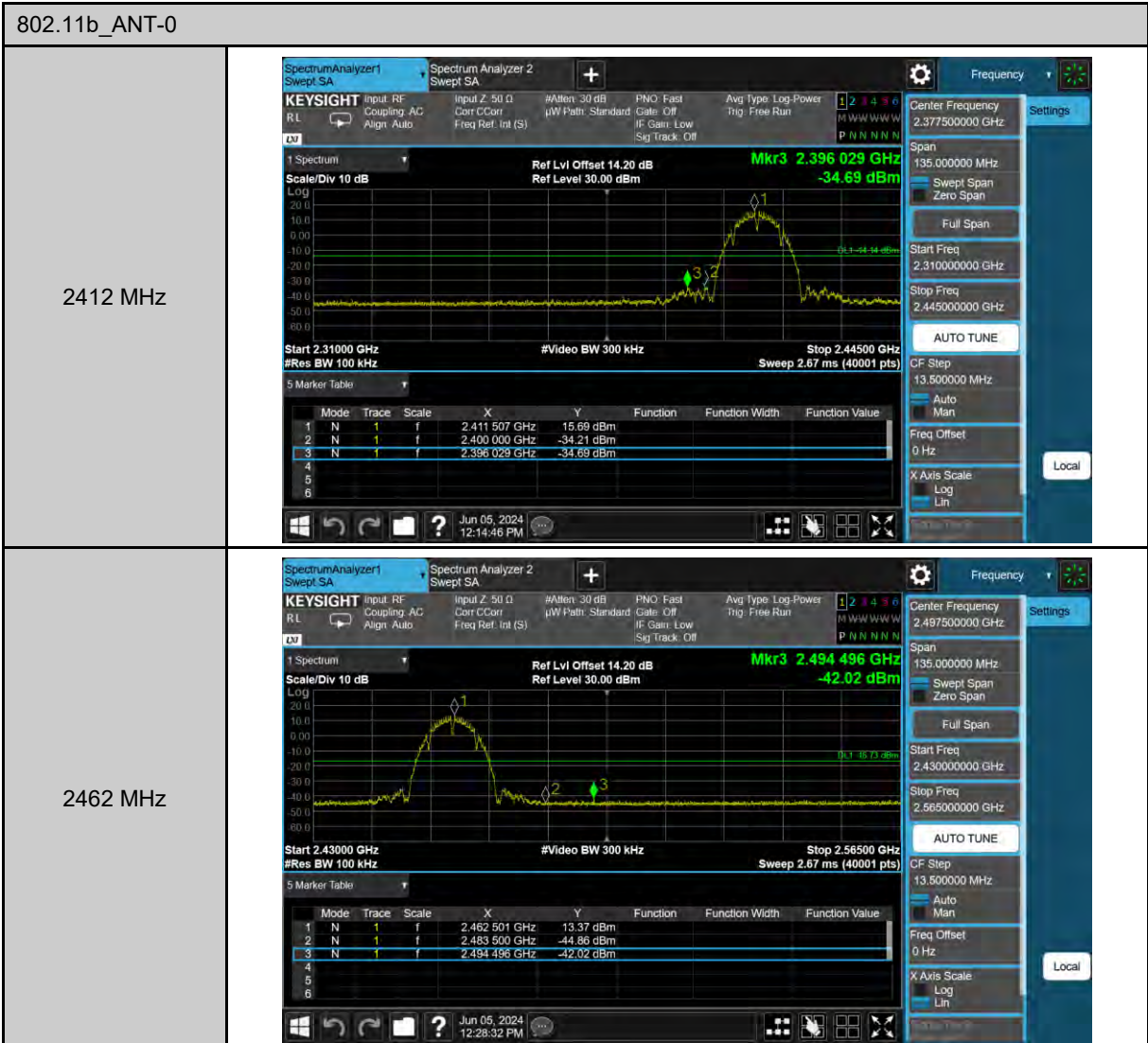




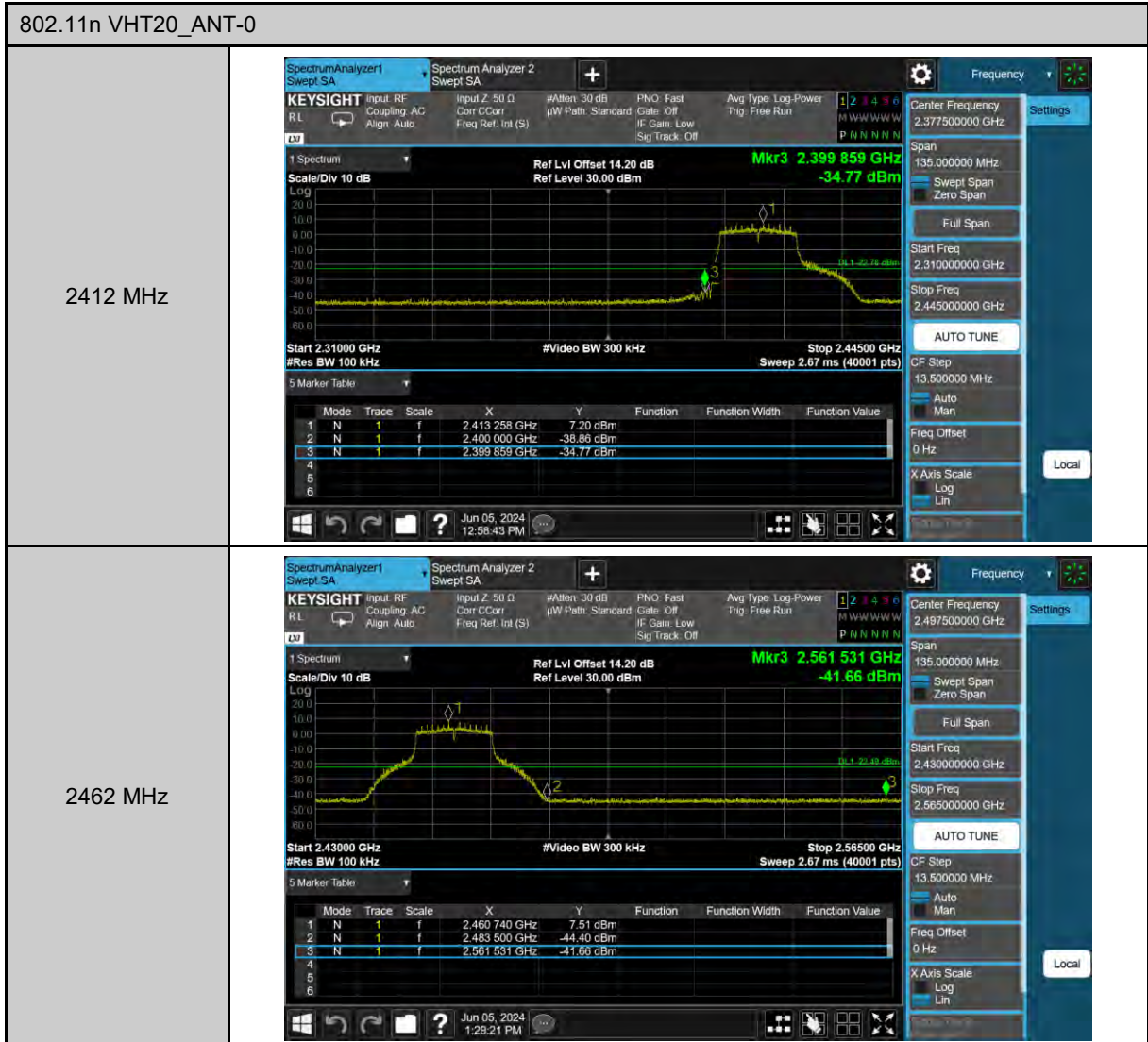


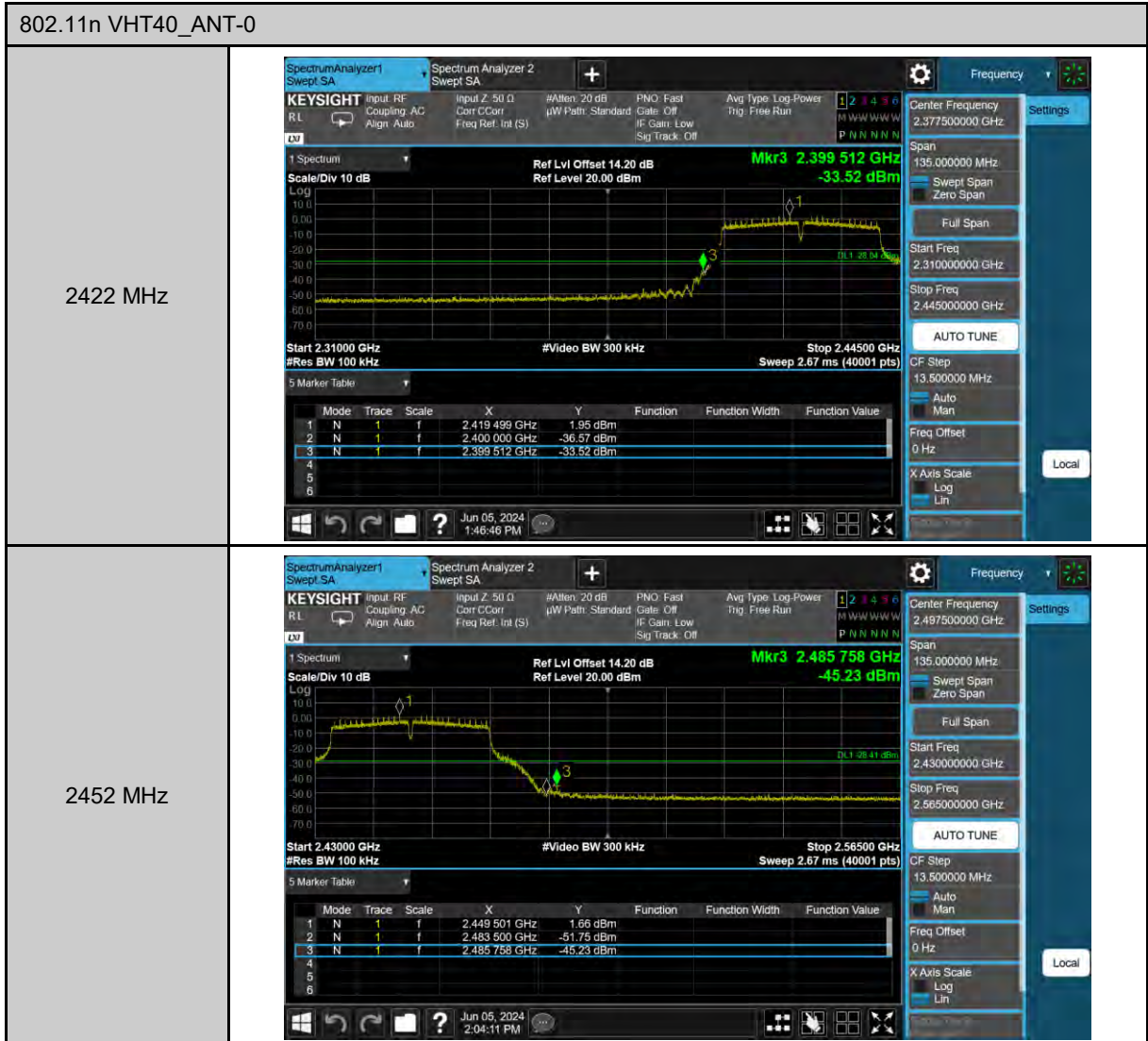


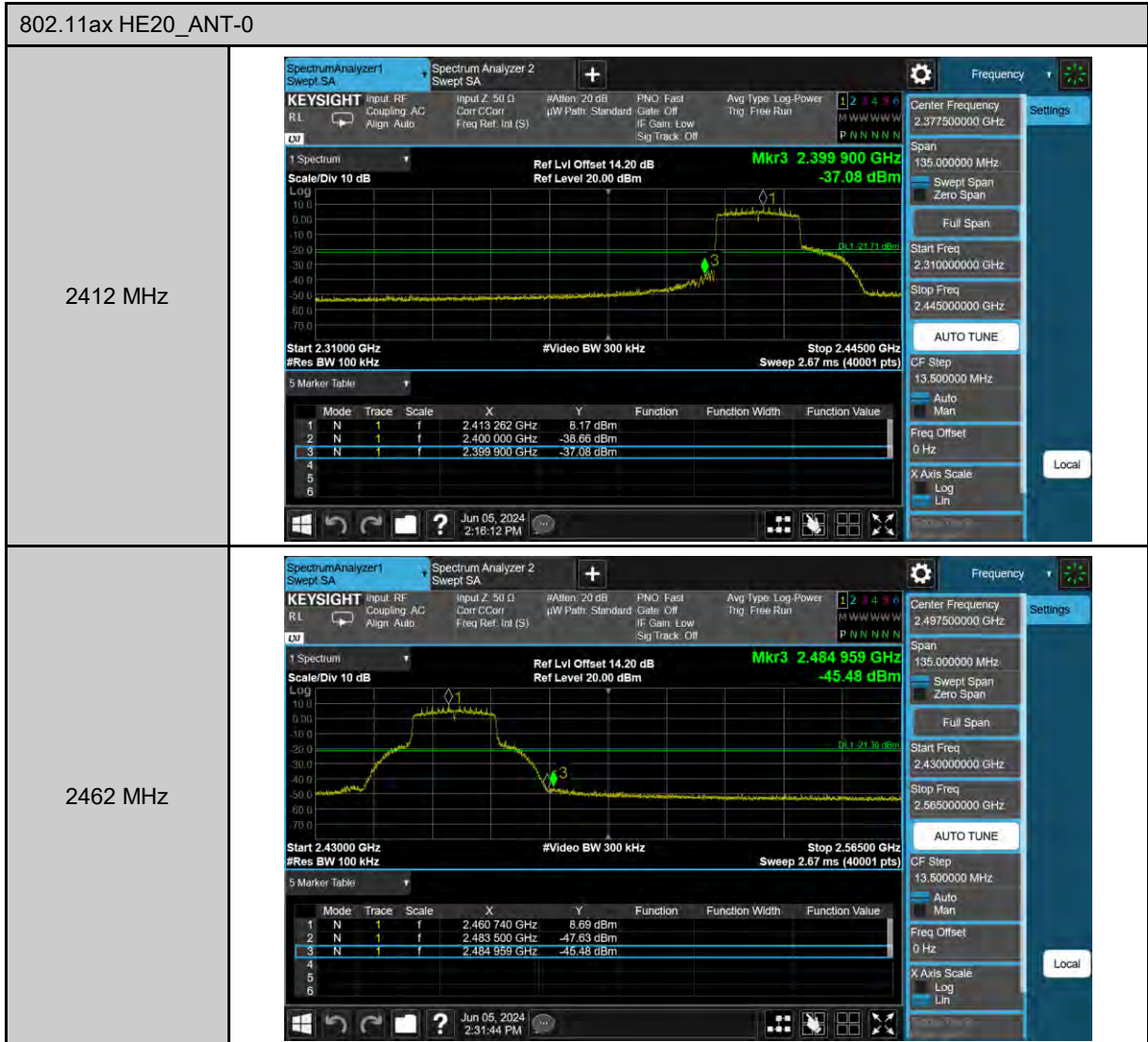
Conducted Band Edge

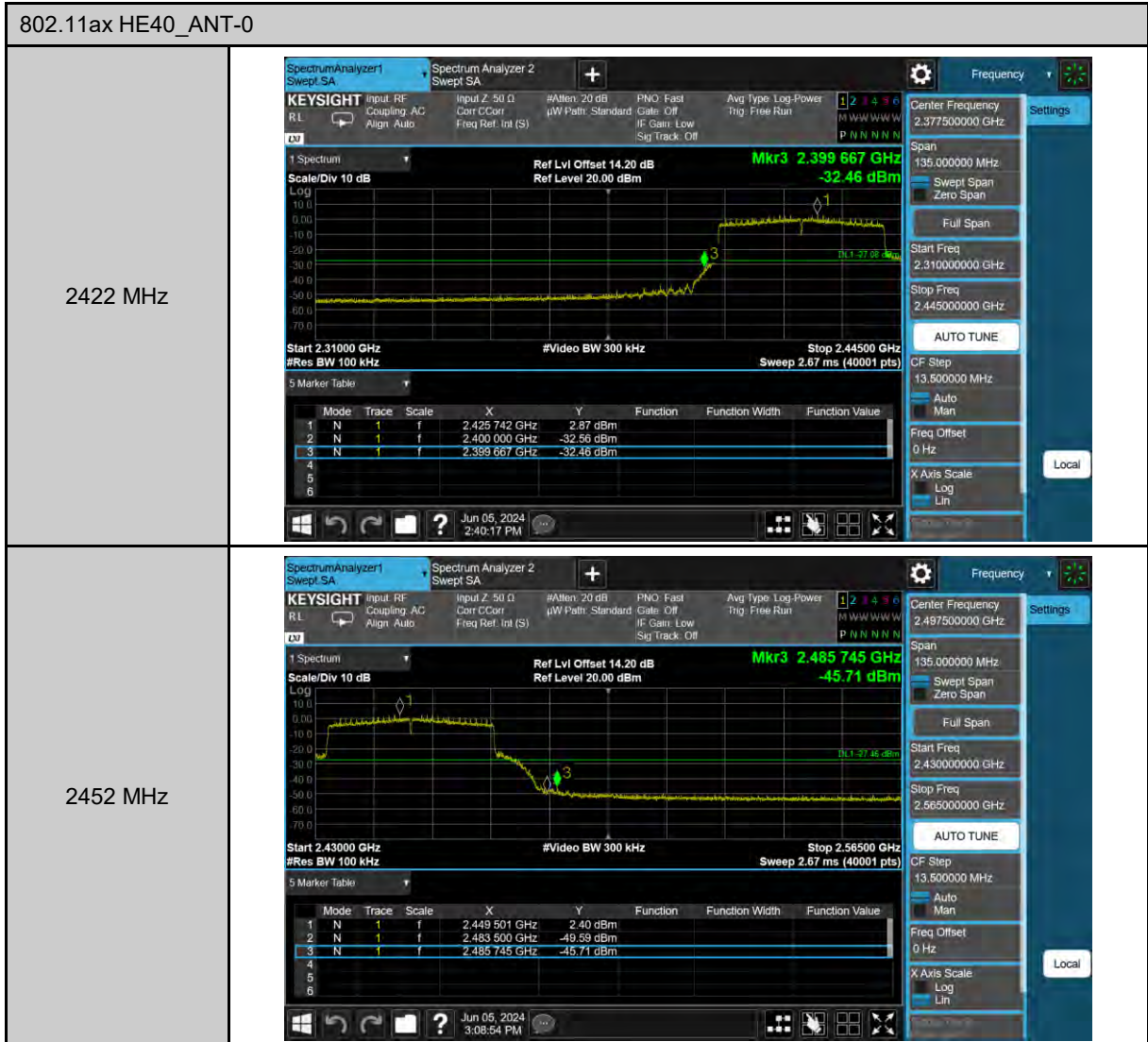


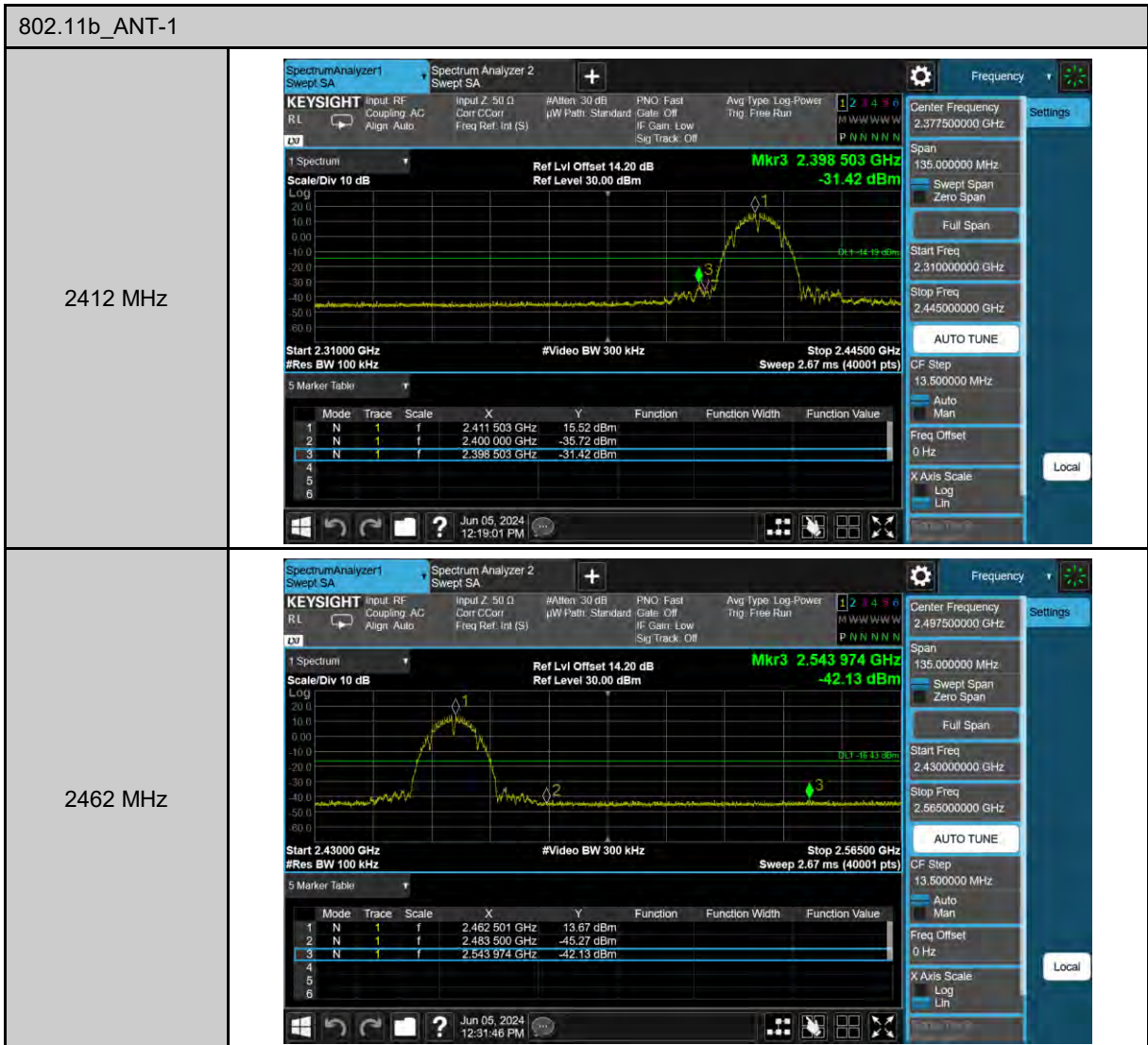


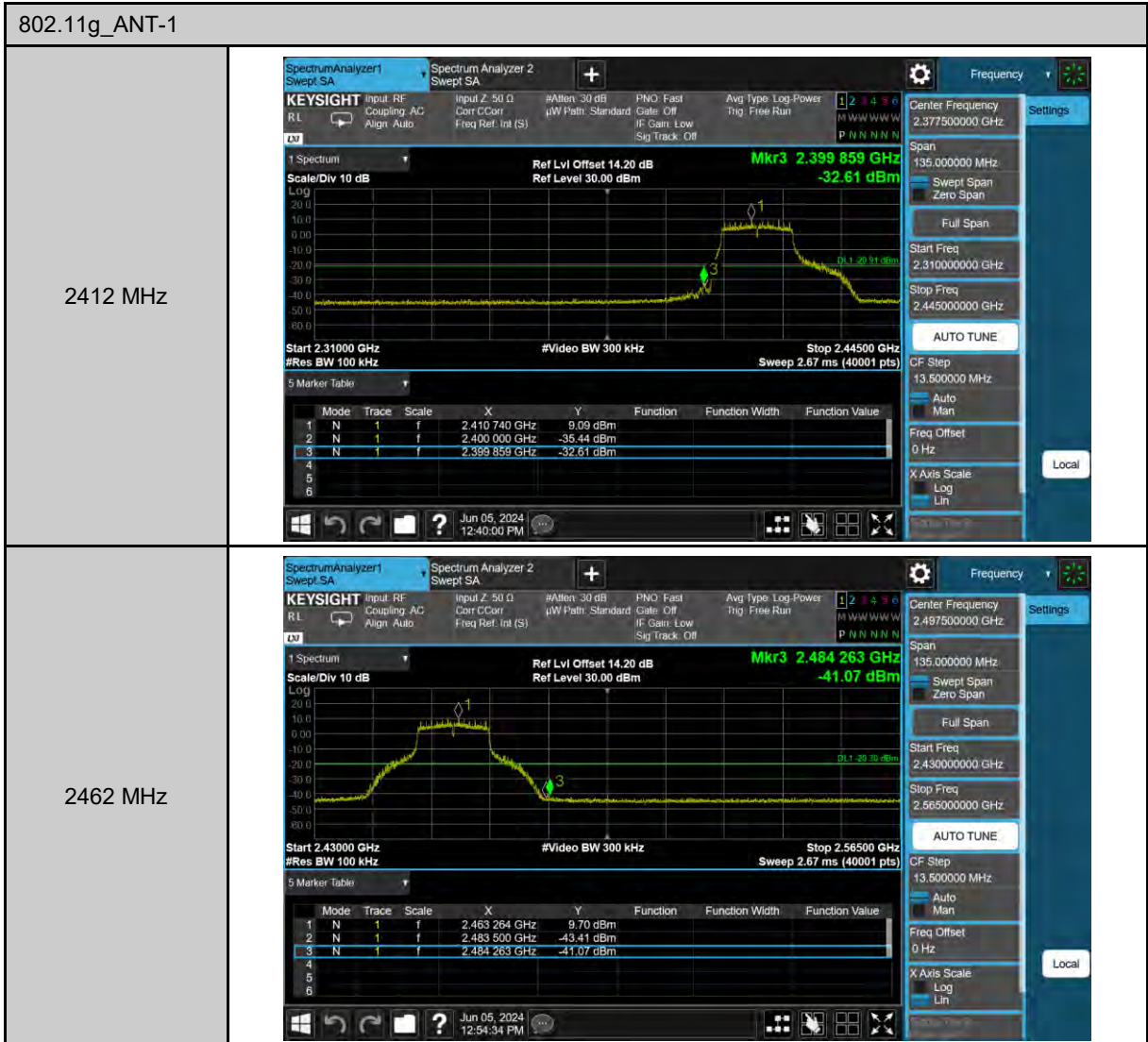


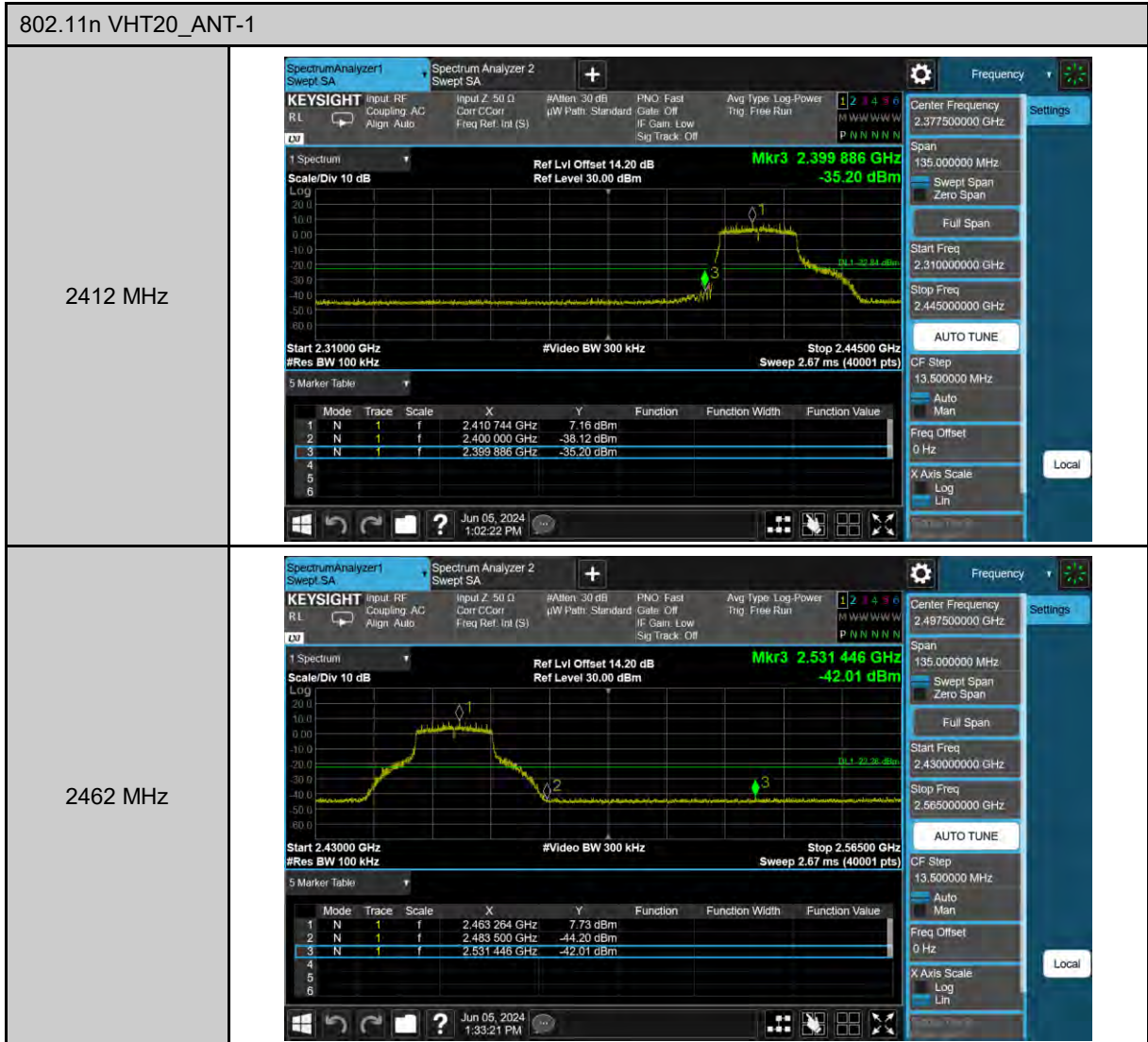






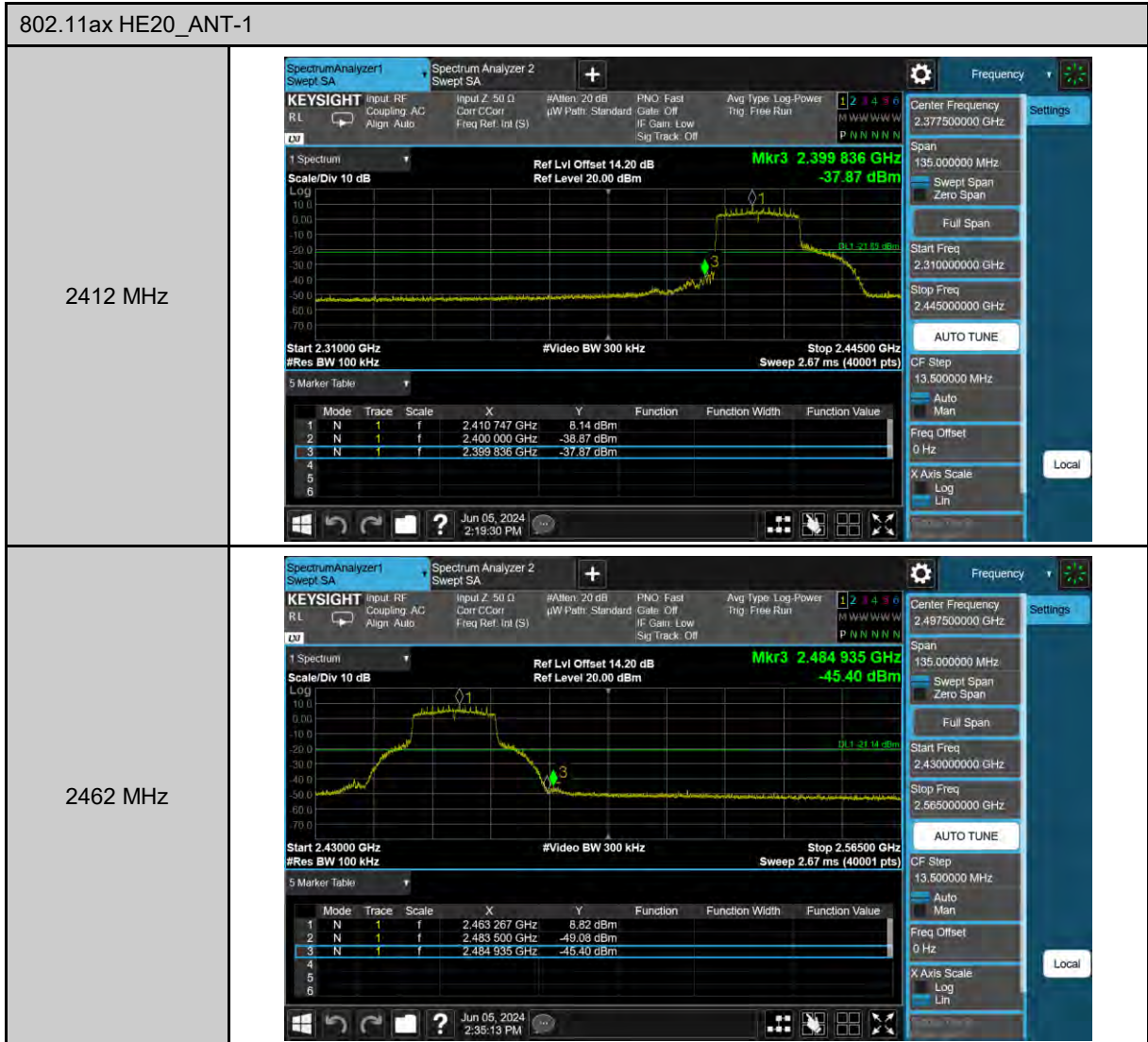


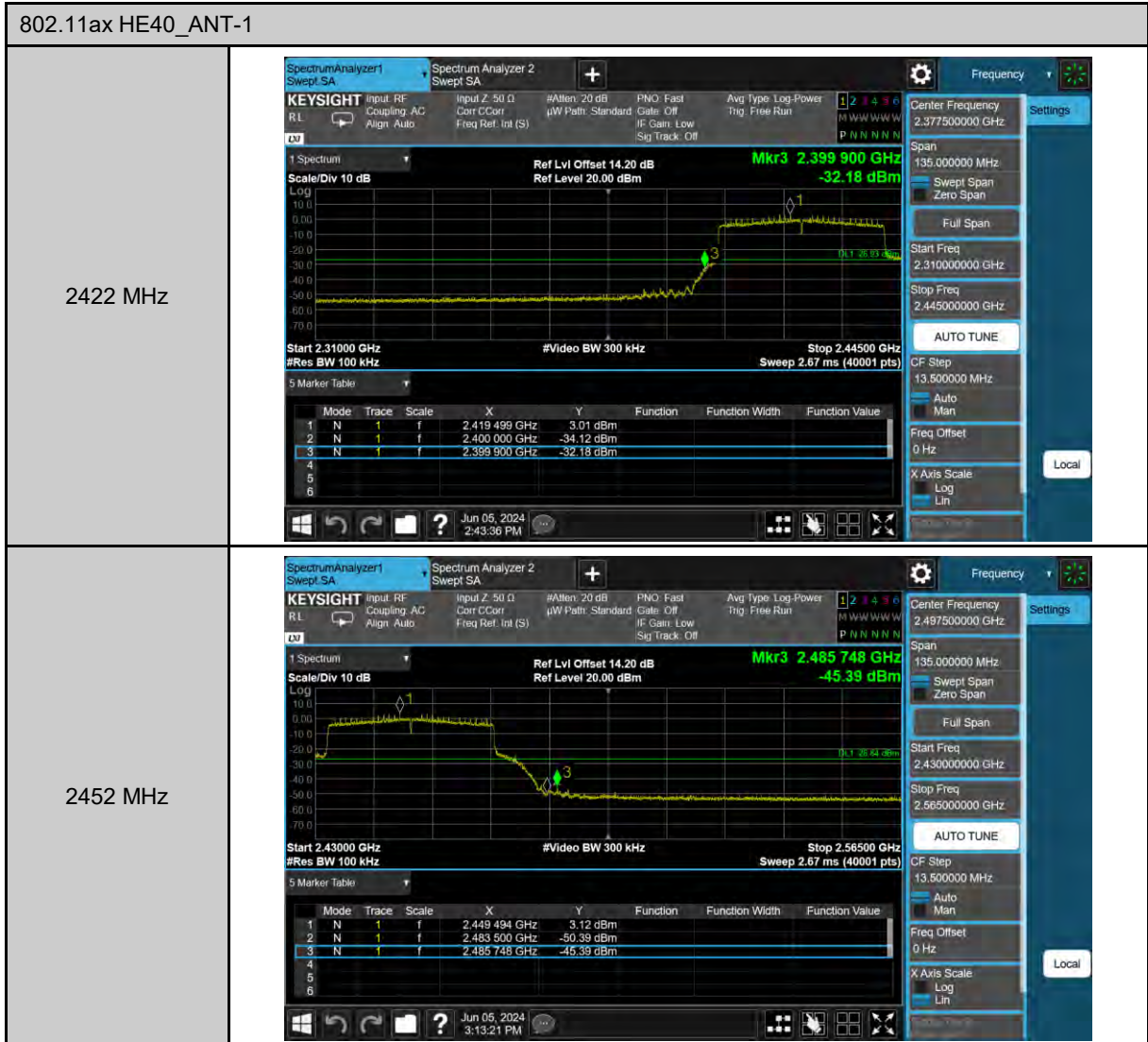




802.11n VHT40\_ANT-1

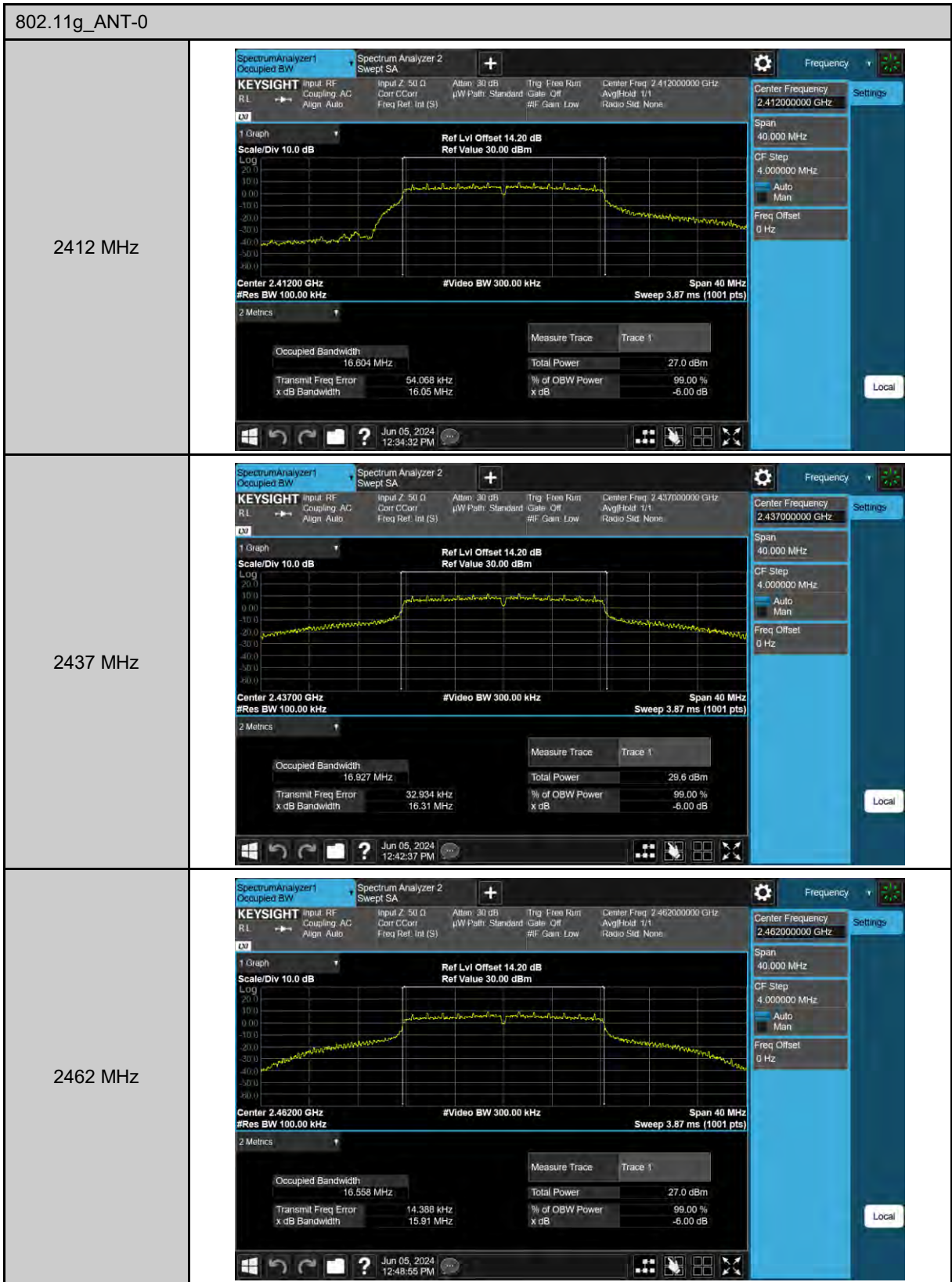






6 dB Bandwidth

802.11b_ANT-0	
2412 MHz	
2437 MHz	
2462 MHz	



802.11n VHT20_ANT-0													
2412 MHz	<p>Center Freq: 2.41200 GHz Span: 40.000 MHz Res BW: 100.00 kHz Video BW: 300.00 kHz Sweep: 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.718 MHz</td> <td>Total Power</td> <td>25.0 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>40.459 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>17.20 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.718 MHz	Total Power	25.0 dBm	Transmit Freq Error	40.459 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.20 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.718 MHz	Total Power	25.0 dBm										
Transmit Freq Error	40.459 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.20 MHz	x dB	-6.00 dB										
2437 MHz	<p>Center Freq: 2.43700 GHz Span: 40.000 MHz Res BW: 100.00 kHz Video BW: 300.00 kHz Sweep: 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.752 MHz</td> <td>Total Power</td> <td>28.0 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>11.581 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>17.03 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.752 MHz	Total Power	28.0 dBm	Transmit Freq Error	11.581 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.03 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.752 MHz	Total Power	28.0 dBm										
Transmit Freq Error	11.581 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.03 MHz	x dB	-6.00 dB										
2462 MHz	<p>Center Freq: 2.46200 GHz Span: 40.000 MHz Res BW: 100.00 kHz Video BW: 300.00 kHz Sweep: 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.752 MHz</td> <td>Total Power</td> <td>25.0 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>8.039 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>16.43 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.752 MHz	Total Power	25.0 dBm	Transmit Freq Error	8.039 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.43 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.752 MHz	Total Power	25.0 dBm										
Transmit Freq Error	8.039 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.43 MHz	x dB	-6.00 dB										



802.11ax HE20_ANT-0	
2412 MHz	<p>Center Frequency: 2.41200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Total Power: 27.0 dBm</p>
2437 MHz	<p>Center Frequency: 2.43700000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Total Power: 29.4 dBm</p>
2462 MHz	<p>Center Frequency: 2.46200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz Total Power: 27.3 dBm</p>



802.11b_ANT-1													
2412 MHz	<p>Center Frequency: 2.41200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>12.576 MHz</td> <td>Total Power</td> <td>30.9 dBm</td> </tr> <tr> <td>Transmit Freq Error x dB Bandwidth</td> <td>14.854 kHz</td> <td>% of OBW Power x dB</td> <td>99.00 %</td> </tr> <tr> <td></td> <td>8.079 MHz</td> <td></td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	12.576 MHz	Total Power	30.9 dBm	Transmit Freq Error x dB Bandwidth	14.854 kHz	% of OBW Power x dB	99.00 %		8.079 MHz		-6.00 dB
Occupied Bandwidth	12.576 MHz	Total Power	30.9 dBm										
Transmit Freq Error x dB Bandwidth	14.854 kHz	% of OBW Power x dB	99.00 %										
	8.079 MHz		-6.00 dB										
2437 MHz	<p>Center Frequency: 2.43700000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>12.600 MHz</td> <td>Total Power</td> <td>30.9 dBm</td> </tr> <tr> <td>Transmit Freq Error x dB Bandwidth</td> <td>20.176 kHz</td> <td>% of OBW Power x dB</td> <td>99.00 %</td> </tr> <tr> <td></td> <td>8.098 MHz</td> <td></td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	12.600 MHz	Total Power	30.9 dBm	Transmit Freq Error x dB Bandwidth	20.176 kHz	% of OBW Power x dB	99.00 %		8.098 MHz		-6.00 dB
Occupied Bandwidth	12.600 MHz	Total Power	30.9 dBm										
Transmit Freq Error x dB Bandwidth	20.176 kHz	% of OBW Power x dB	99.00 %										
	8.098 MHz		-6.00 dB										
2462 MHz	<p>Center Frequency: 2.46200000 GHz Span: 40.000 MHz CF Step: 4.000000 MHz #Res BW 100.00 kHz #Video BW 300.00 kHz Sweep 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>12.665 MHz</td> <td>Total Power</td> <td>28.8 dBm</td> </tr> <tr> <td>Transmit Freq Error x dB Bandwidth</td> <td>33.430 kHz</td> <td>% of OBW Power x dB</td> <td>99.00 %</td> </tr> <tr> <td></td> <td>8.089 MHz</td> <td></td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	12.665 MHz	Total Power	28.8 dBm	Transmit Freq Error x dB Bandwidth	33.430 kHz	% of OBW Power x dB	99.00 %		8.089 MHz		-6.00 dB
Occupied Bandwidth	12.665 MHz	Total Power	28.8 dBm										
Transmit Freq Error x dB Bandwidth	33.430 kHz	% of OBW Power x dB	99.00 %										
	8.089 MHz		-6.00 dB										

802.11g_ANT-1													
2412 MHz	<p>Center 2.41200 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>16.539 MHz</td> <td>Total Power</td> <td>27.0 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>62.628 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>16.36 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	16.539 MHz	Total Power	27.0 dBm	Transmit Freq Error	62.628 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.36 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.539 MHz	Total Power	27.0 dBm										
Transmit Freq Error	62.628 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.36 MHz	x dB	-6.00 dB										
2437 MHz	<p>Center 2.43700 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.428 MHz</td> <td>Total Power</td> <td>29.9 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>66.304 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>16.35 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.428 MHz	Total Power	29.9 dBm	Transmit Freq Error	66.304 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.35 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.428 MHz	Total Power	29.9 dBm										
Transmit Freq Error	66.304 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.35 MHz	x dB	-6.00 dB										
2462 MHz	<p>Center 2.46200 GHz #Res BW 100.00 kHz #Video BW 300.00 kHz Span 40 MHz Sweep 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>16.548 MHz</td> <td>Total Power</td> <td>27.5 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>8.879 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>16.35 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	16.548 MHz	Total Power	27.5 dBm	Transmit Freq Error	8.879 kHz	% of OBW Power	99.00 %	x dB Bandwidth	16.35 MHz	x dB	-6.00 dB
Occupied Bandwidth	16.548 MHz	Total Power	27.5 dBm										
Transmit Freq Error	8.879 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	16.35 MHz	x dB	-6.00 dB										

802.11n VHT20_ANT-1													
2412 MHz	<p>Center Freq: 2.41200 GHz #Res BW: 100.00 kHz #Video BW: 300.00 kHz Span: 40 MHz Sweep: 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.701 MHz</td> <td>Total Power</td> <td>25.3 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>37.646 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>17.61 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.701 MHz	Total Power	25.3 dBm	Transmit Freq Error	37.646 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.61 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.701 MHz	Total Power	25.3 dBm										
Transmit Freq Error	37.646 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.61 MHz	x dB	-6.00 dB										
2437 MHz	<p>Center Freq: 2.43700 GHz #Res BW: 100.00 kHz #Video BW: 300.00 kHz Span: 40 MHz Sweep: 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.770 MHz</td> <td>Total Power</td> <td>28.8 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>3.083 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>17.59 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.770 MHz	Total Power	28.8 dBm	Transmit Freq Error	3.083 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.59 MHz	x dB	-6.00 dB
Occupied Bandwidth	17.770 MHz	Total Power	28.8 dBm										
Transmit Freq Error	3.083 kHz	% of OBW Power	99.00 %										
x dB Bandwidth	17.59 MHz	x dB	-6.00 dB										
2462 MHz	<p>Center Freq: 2.46200 GHz #Res BW: 100.00 kHz #Video BW: 300.00 kHz Span: 40 MHz Sweep: 3.87 ms (1001 pts)</p> <table border="1"> <tr> <td>Occupied Bandwidth</td> <td>17.774 MHz</td> <td>Total Power</td> <td>25.8 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>9.469 kHz</td> <td>% of OBW Power</td> <td>99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>17.57 MHz</td> <td>x dB</td> <td>-6.00 dB</td> </tr> </table>	Occupied Bandwidth	17.774 MHz	Total Power	25.8 dBm	Transmit Freq Error	9.469 kHz	% of OBW Power	99.00 %	x dB Bandwidth	17.57 MHz	x dB	-6.00 dB
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