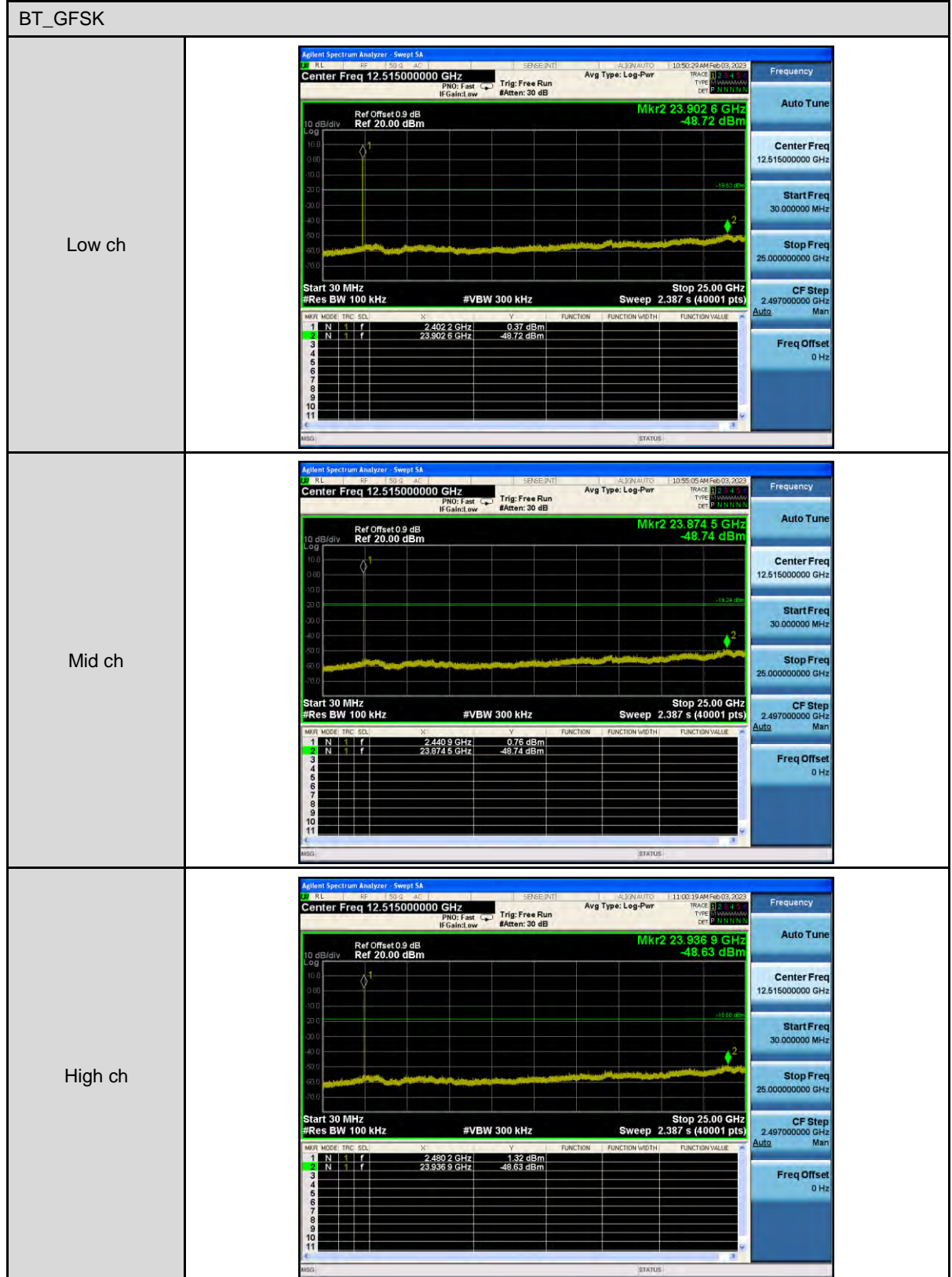
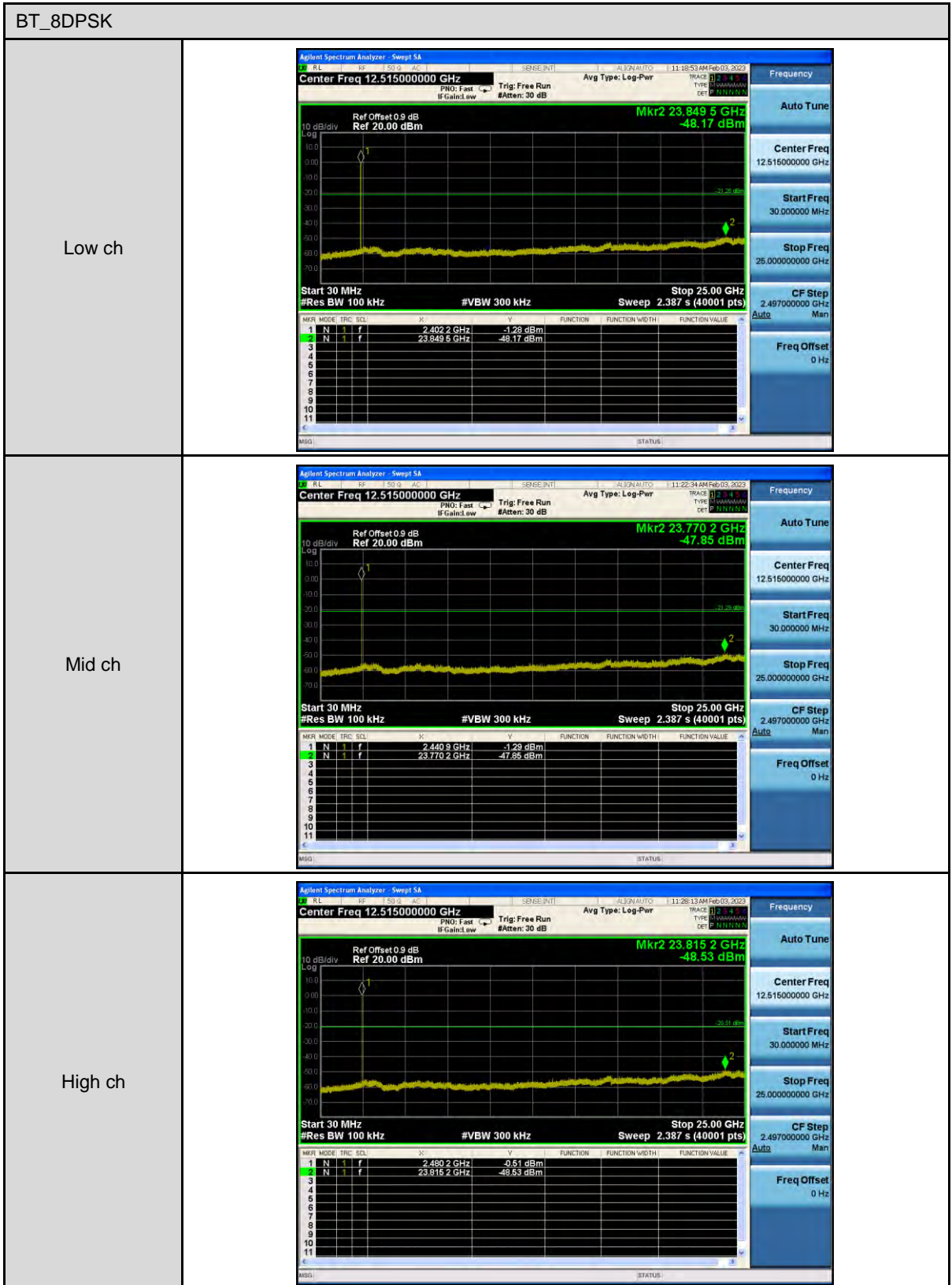


### Appendix B. Test Plots

#### Out of Band Conducted Spurious Emission

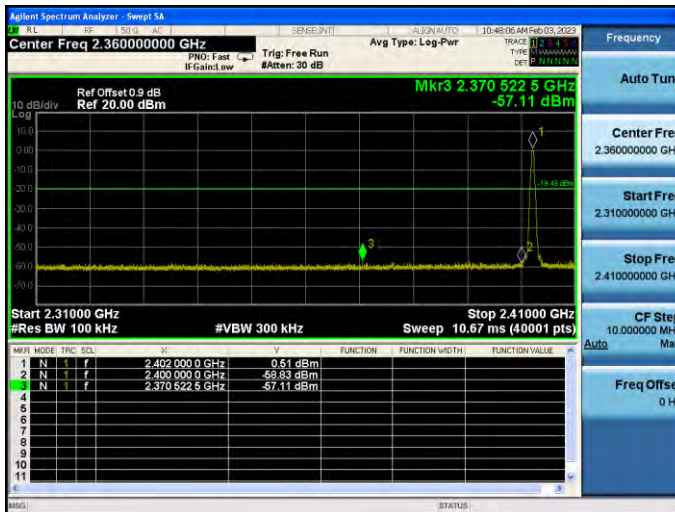




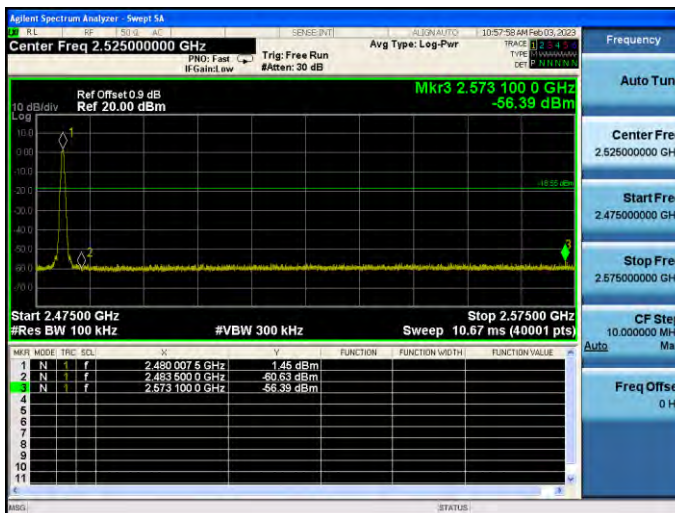
Conducted Band Edge

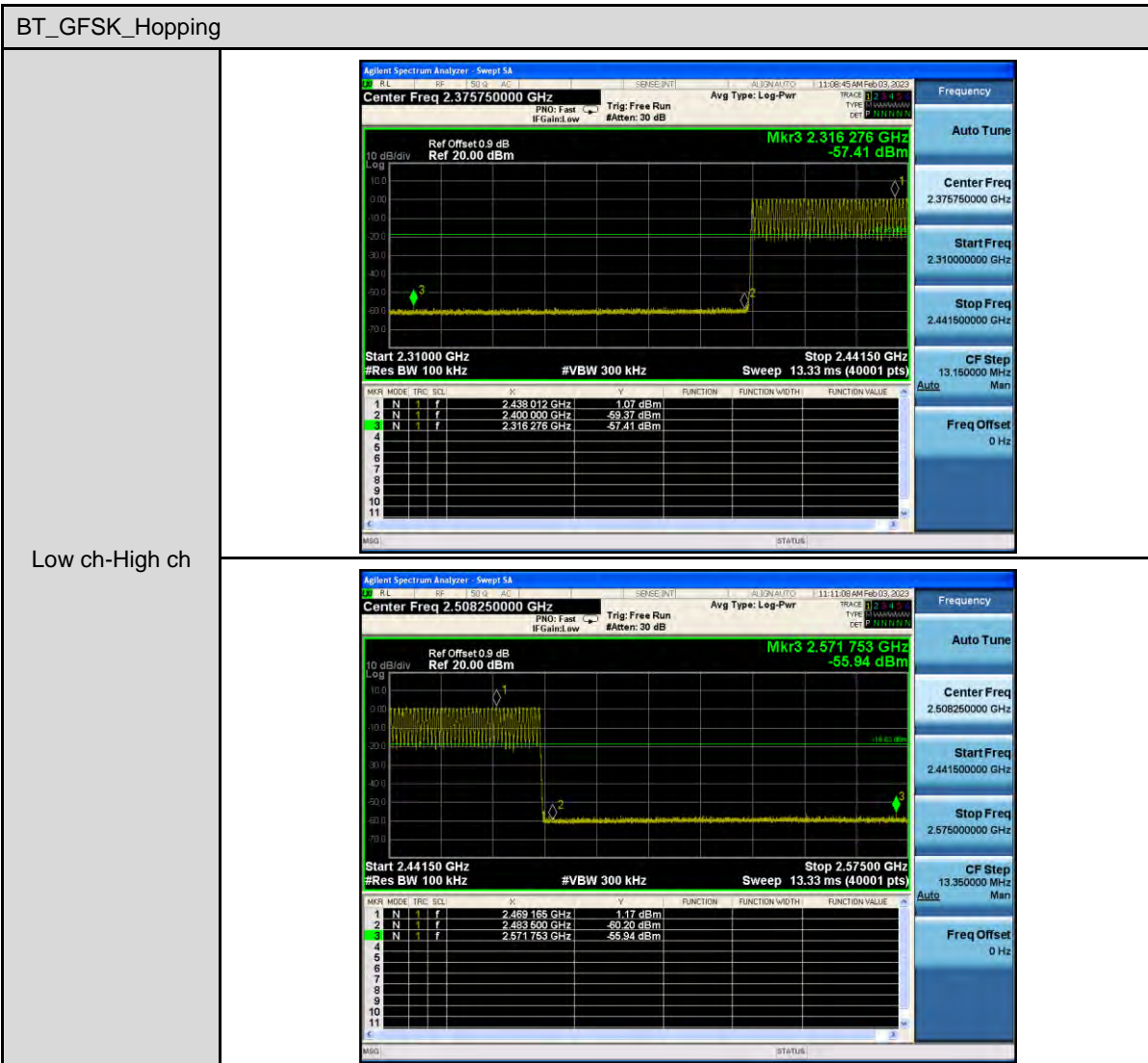
BT\_GFSK\_Un-hopping

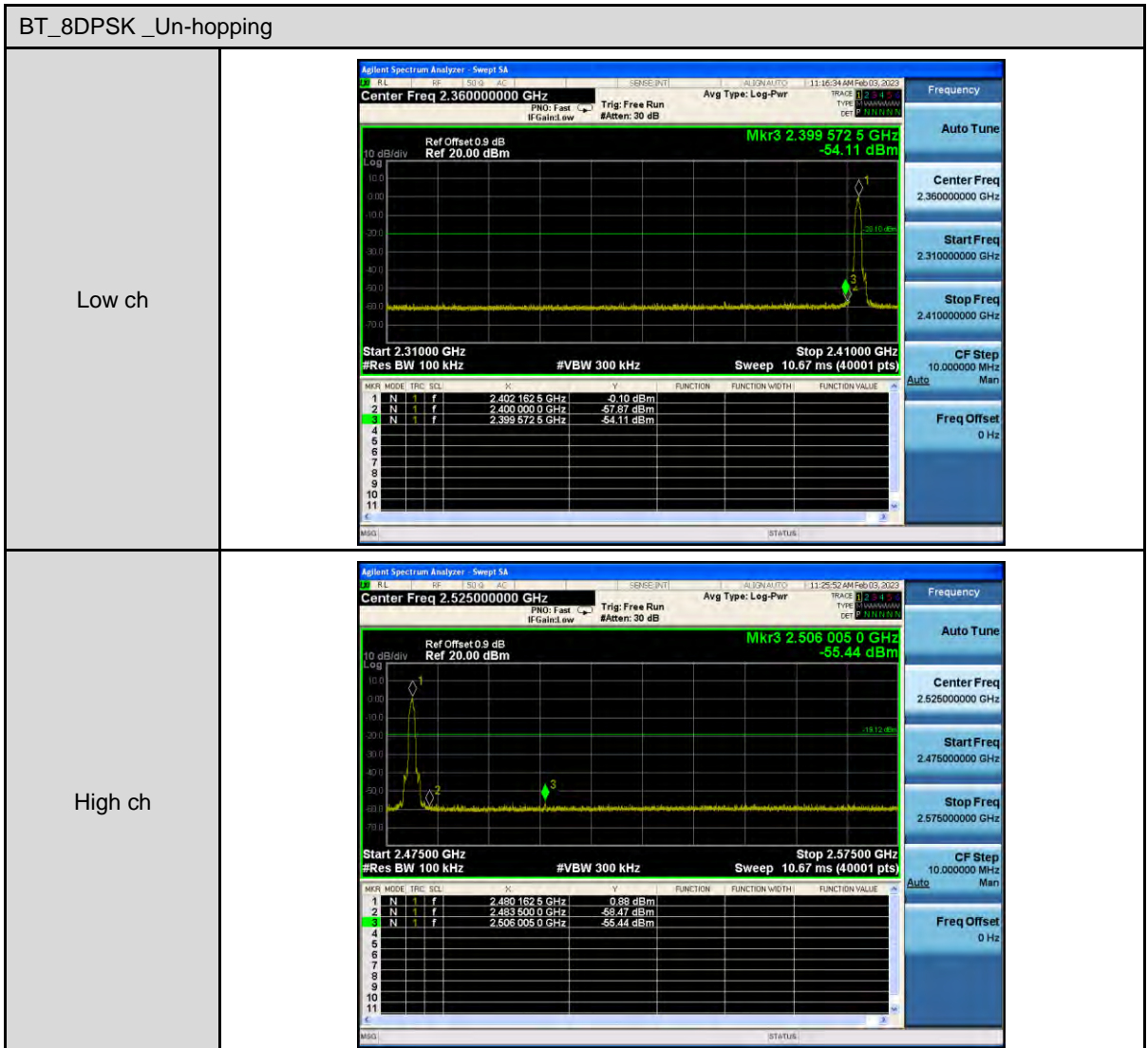
Low ch



High ch

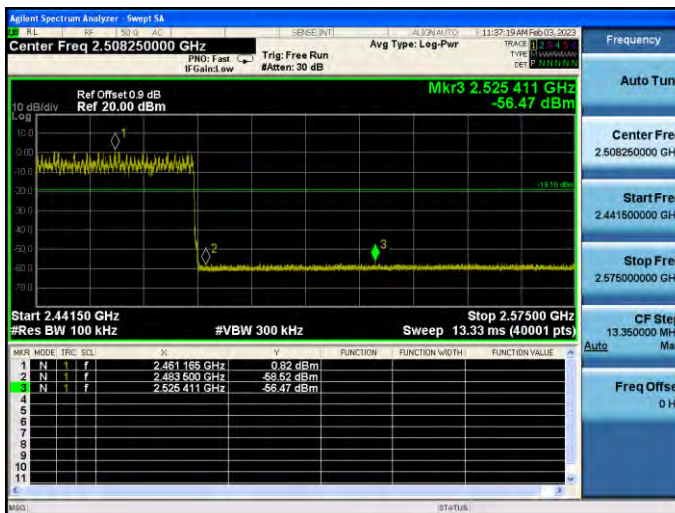
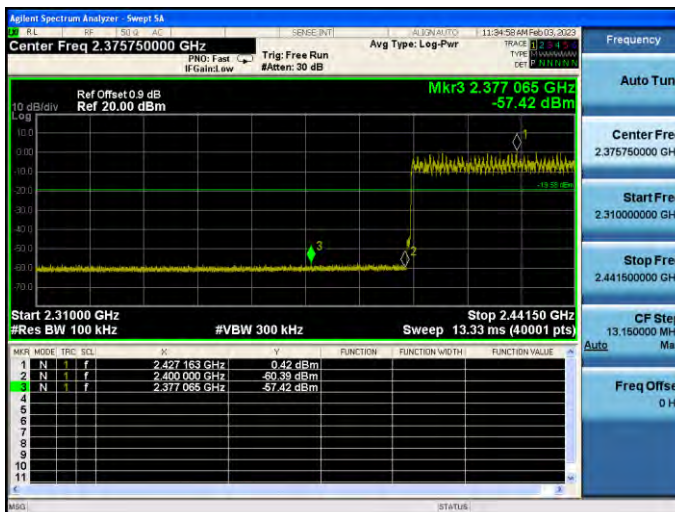






BT\_8DPSK\_Hopping

Low ch-High ch

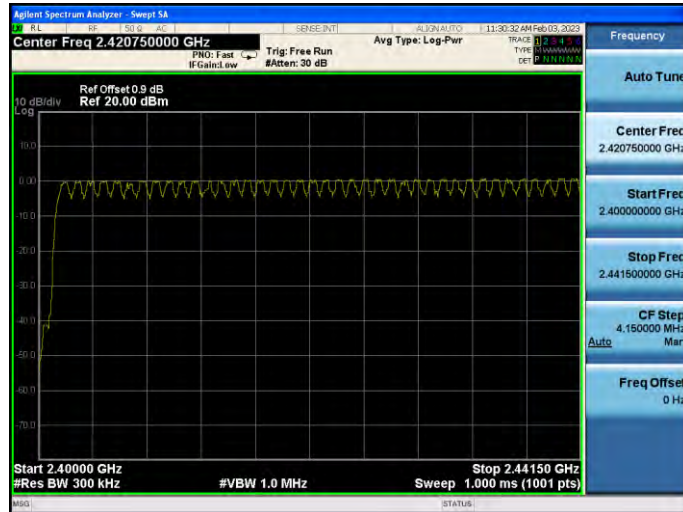


Number of Hopping

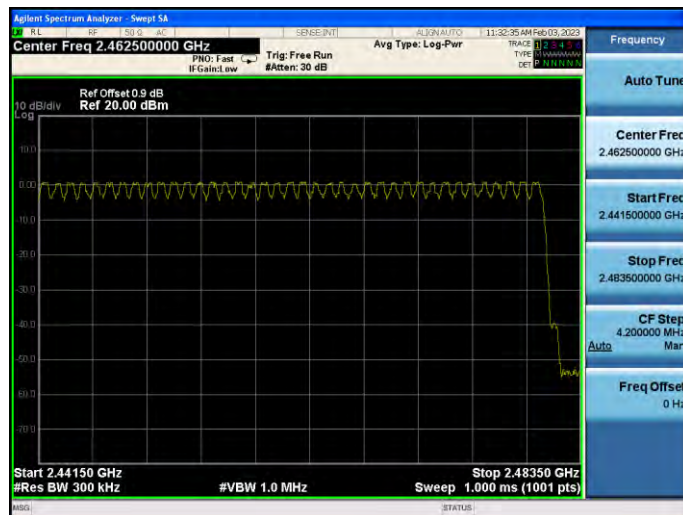
BT_GFSK	
CH00 - CH39	
CH39 - CH78	

BT\_8DPSK

CH00 - CH39



CH39 - CH78



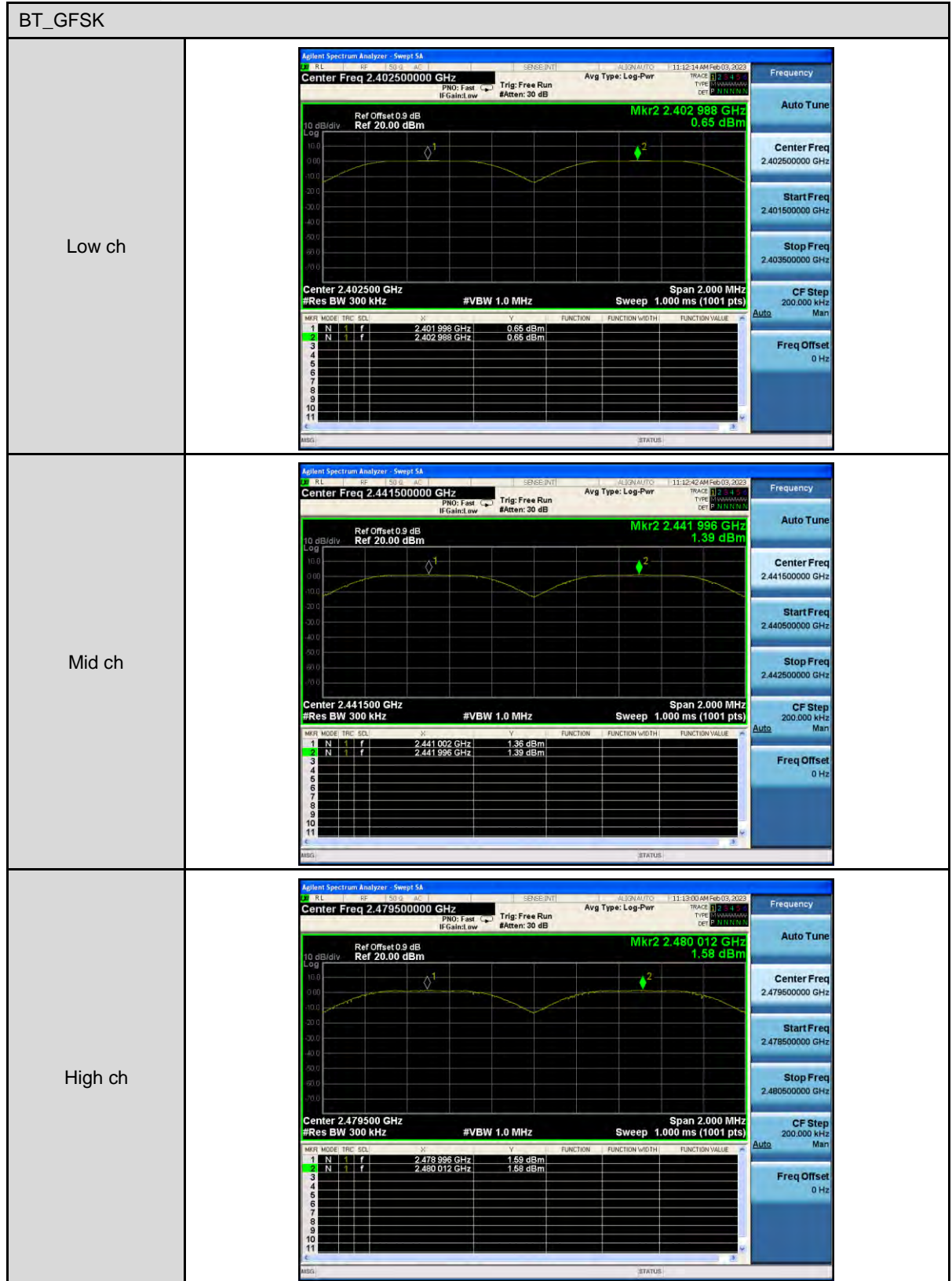


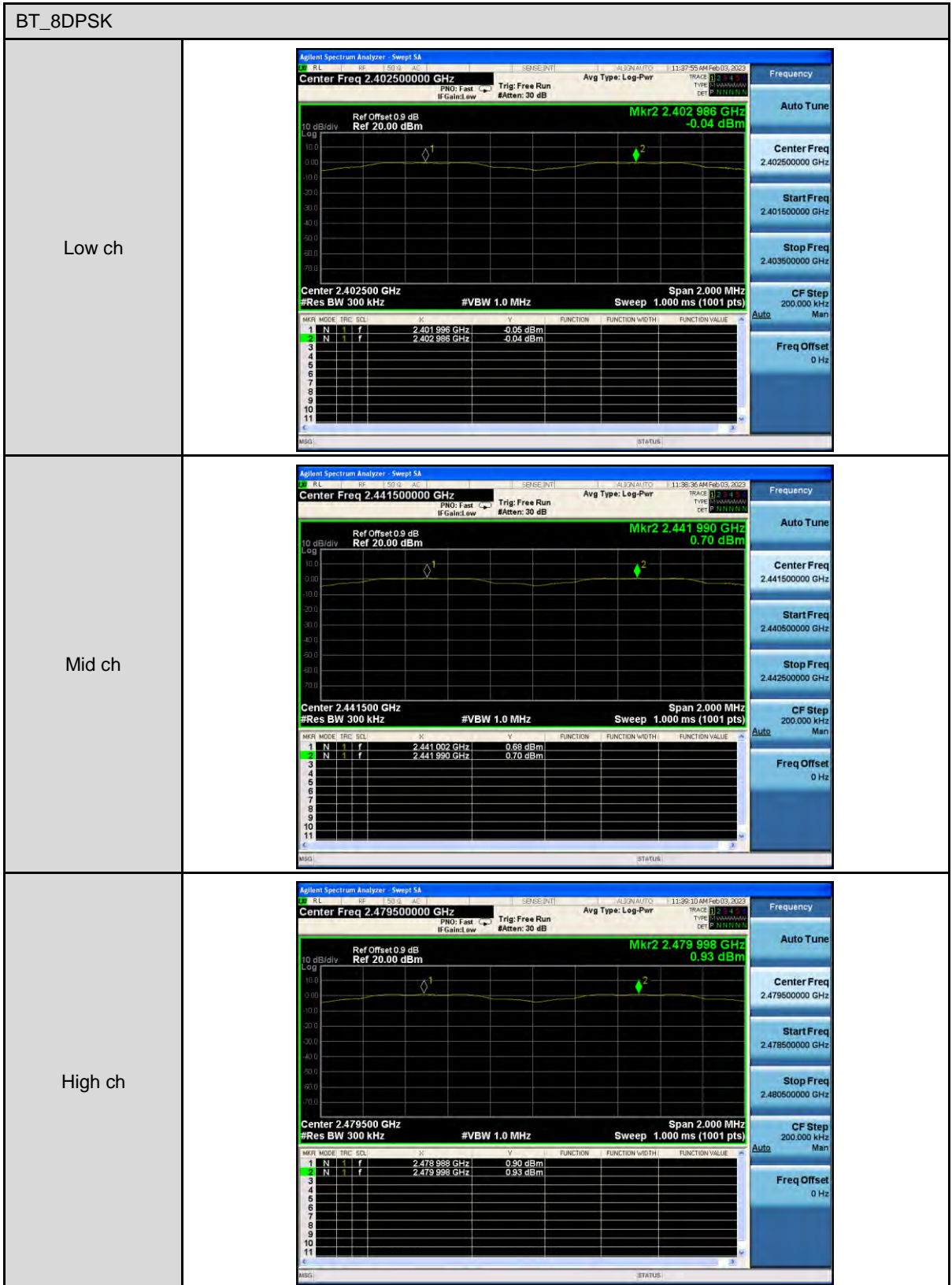
20 dB RF Bandwidth

BT_GFSK	
Low ch	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.40200000 GHz</p> <p>Center Freq: 2.40200000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Device: BTS</p> <p>Ref Offset: 0.9 dB</p> <p>Ref: 20.00 dBm</p> <p>10 dB/div</p> <p>Center 2.402 GHz</p> <p>#Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 3 MHz</p> <p>Sweep 3.2 ms</p> <p>Occupied Bandwidth: 767.21 kHz</p> <p>Total Power: 7.79 dBm</p> <p>Transmit Freq Error: 5.179 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 920.0 kHz</p> <p>x dB: -20.00 dB</p> <p>Frequency: 2.40200000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Freq Offset: 0 Hz</p>
Mid ch	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.44100000 GHz</p> <p>Center Freq: 2.44100000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Device: BTS</p> <p>Ref Offset: 0.9 dB</p> <p>Ref: 20.00 dBm</p> <p>10 dB/div</p> <p>Center 2.441 GHz</p> <p>#Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 3 MHz</p> <p>Sweep 3.2 ms</p> <p>Occupied Bandwidth: 768.36 kHz</p> <p>Total Power: 8.54 dBm</p> <p>Transmit Freq Error: 5.339 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 919.0 kHz</p> <p>x dB: -20.00 dB</p> <p>Frequency: 2.44100000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Freq Offset: 0 Hz</p>
High ch	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq: 2.48000000 GHz</p> <p>Center Freq: 2.48000000 GHz</p> <p>Trig: Free Run</p> <p>Avg/Hold: 1/1</p> <p>Radio Device: BTS</p> <p>Ref Offset: 0.9 dB</p> <p>Ref: 20.00 dBm</p> <p>10 dB/div</p> <p>Center 2.48 GHz</p> <p>#Res BW 30 kHz</p> <p>#VBW 100 kHz</p> <p>Span 3 MHz</p> <p>Sweep 3.2 ms</p> <p>Occupied Bandwidth: 766.77 kHz</p> <p>Total Power: 8.72 dBm</p> <p>Transmit Freq Error: 5.383 kHz</p> <p>OBW Power: 99.00 %</p> <p>x dB Bandwidth: 920.9 kHz</p> <p>x dB: -20.00 dB</p> <p>Frequency: 2.48000000 GHz</p> <p>CF Step: 300.000 kHz</p> <p>Freq Offset: 0 Hz</p>

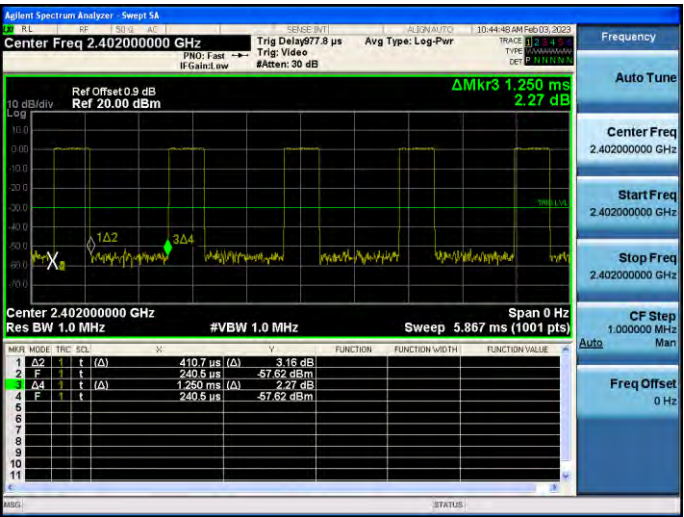
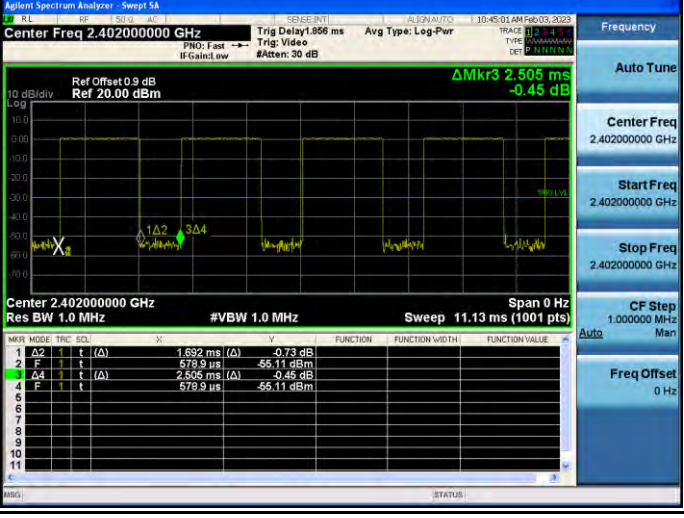
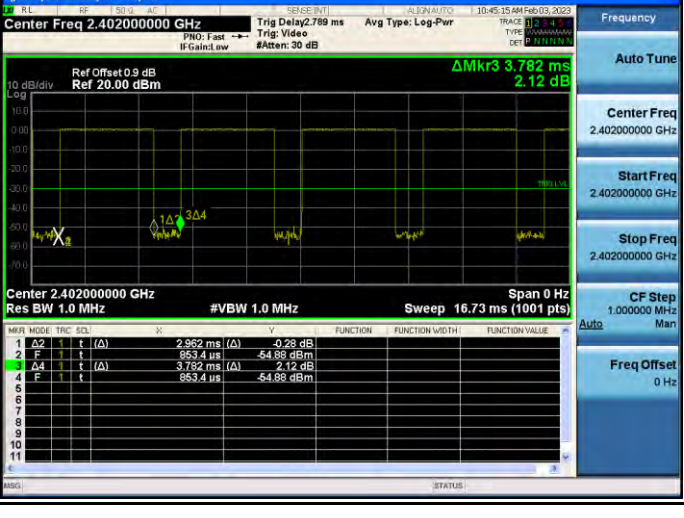


Carrier Frequency Separation





Time of Occupancy (Dwell Time)

BT_GFSK																																														
DH1	 <table border="1" data-bbox="662 750 1236 929"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Δ2</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>410.7 μs</td> <td>(Δ)</td> <td>3.15 dB</td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>240.5 μs</td> <td></td> <td>-57.62 dBm</td> <td></td> </tr> <tr> <td>3</td> <td>Δ4</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>1.250 ms</td> <td>(Δ)</td> <td>-2.27 dB</td> <td></td> </tr> <tr> <td>4</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>240.5 μs</td> <td></td> <td>-57.62 dBm</td> <td></td> </tr> </tbody> </table>	MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ2	t	t	(Δ)	410.7 μs	(Δ)	3.15 dB		2	F	t	t	(Δ)	240.5 μs		-57.62 dBm		3	Δ4	t	t	(Δ)	1.250 ms	(Δ)	-2.27 dB		4	F	t	t	(Δ)	240.5 μs		-57.62 dBm	
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DH3	 <table border="1" data-bbox="662 1288 1236 1467"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRIG</th> <th>SCL</th> <th>X</th> <th>Y</th> <th>FUNCTION</th> <th>FUNCTION WIDTH</th> <th>FUNCTION VALUE</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Δ2</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>1.692 ms</td> <td>(Δ)</td> <td>-0.73 dB</td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>579.9 μs</td> <td></td> <td>-55.11 dBm</td> <td></td> </tr> <tr> <td>3</td> <td>Δ4</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>2.505 ms</td> <td>(Δ)</td> <td>-0.45 dB</td> <td></td> </tr> <tr> <td>4</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>579.9 μs</td> <td></td> <td>-55.11 dBm</td> <td></td> </tr> </tbody> </table>	MNR	MODE	TRIG	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ2	t	t	(Δ)	1.692 ms	(Δ)	-0.73 dB		2	F	t	t	(Δ)	579.9 μs		-55.11 dBm		3	Δ4	t	t	(Δ)	2.505 ms	(Δ)	-0.45 dB		4	F	t	t	(Δ)	579.9 μs		-55.11 dBm	
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