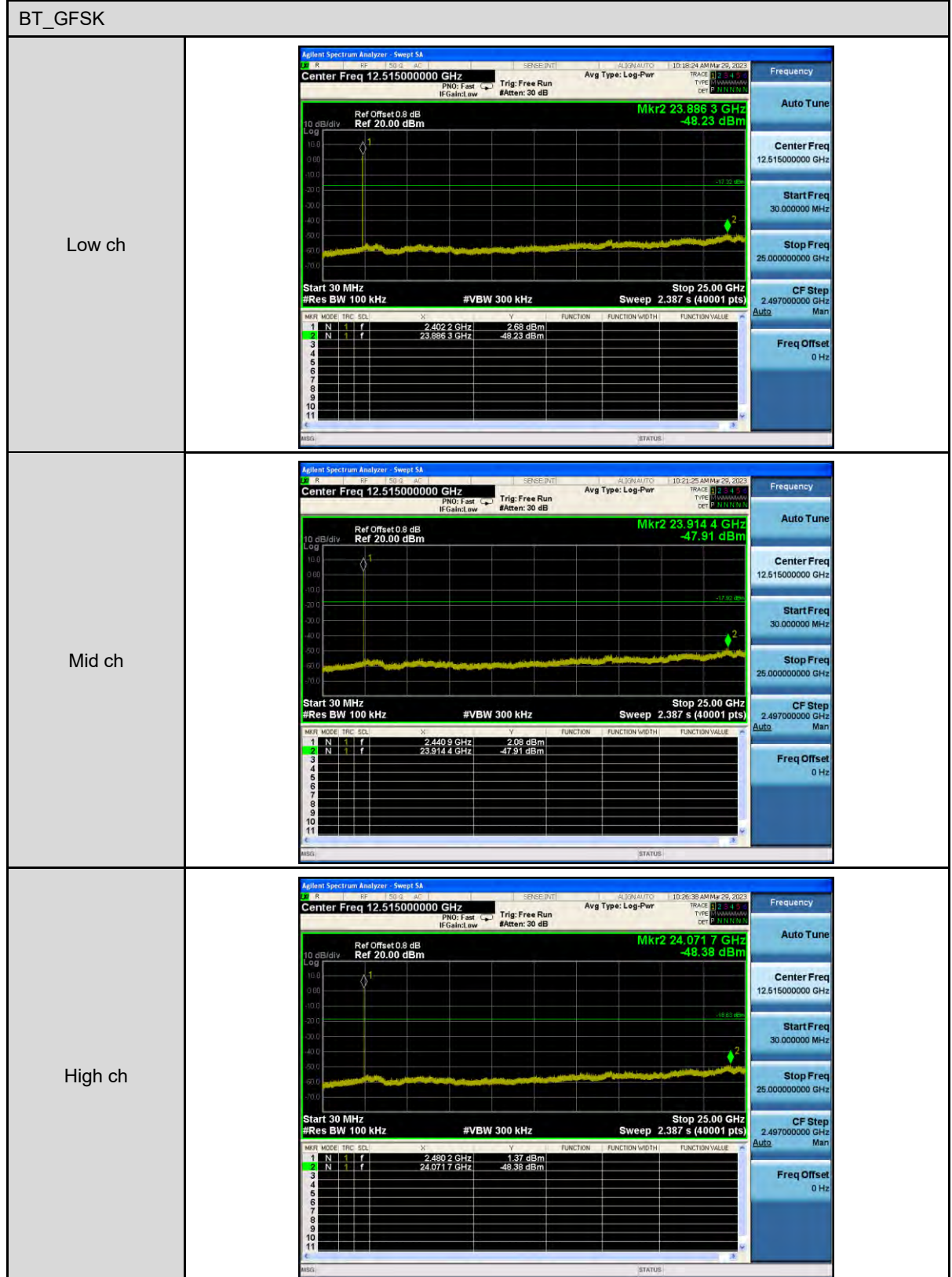


Appendix B. Test Plots

Out of Band Conducted Spurious Emission

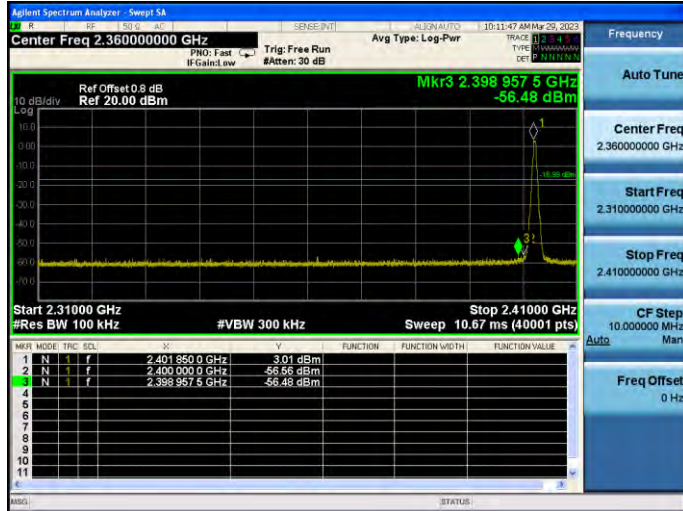




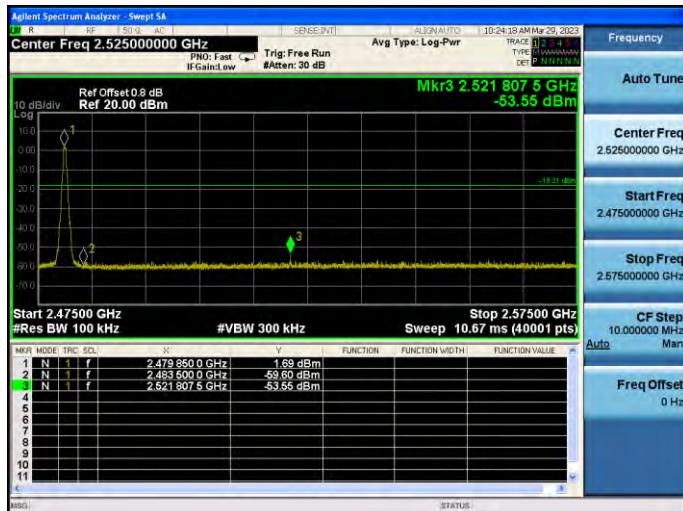
Conducted Band Edge

BT_GFSK_Un-hopping

Low ch

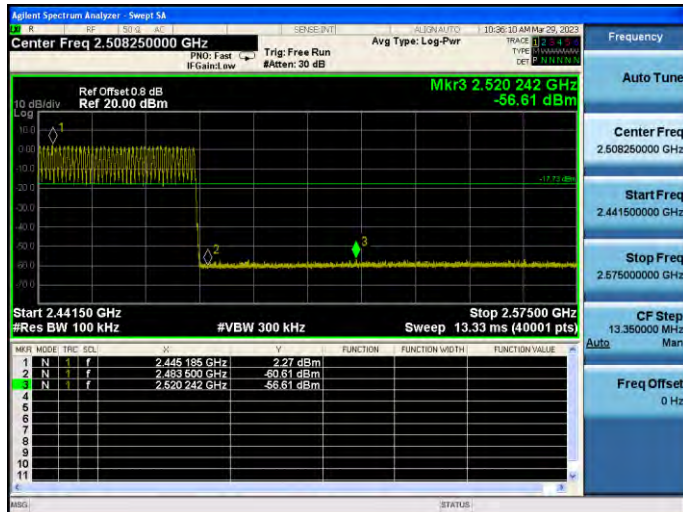
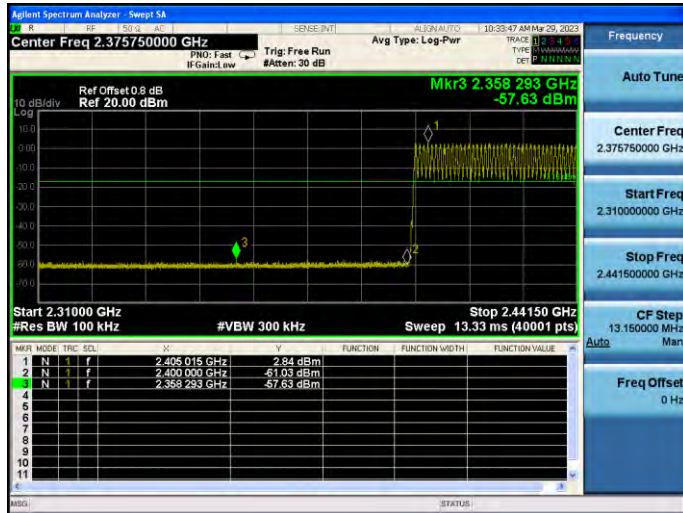


High ch



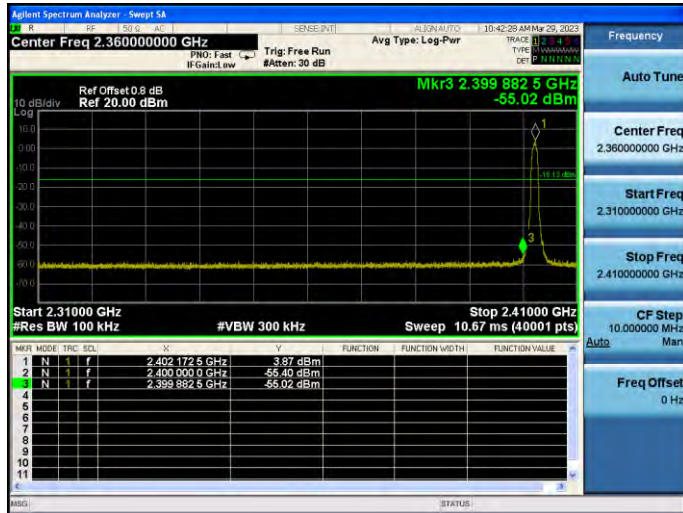
BT_GFSK_Hopping

Low ch-High ch

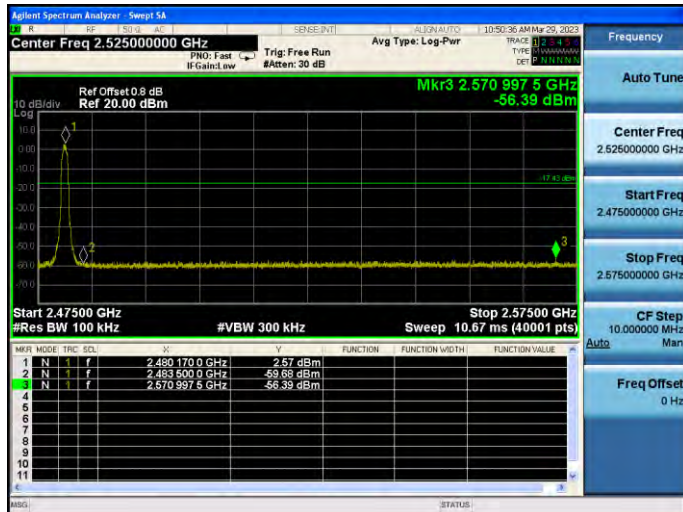


BT_8DPSK_Un-hopping

Low ch

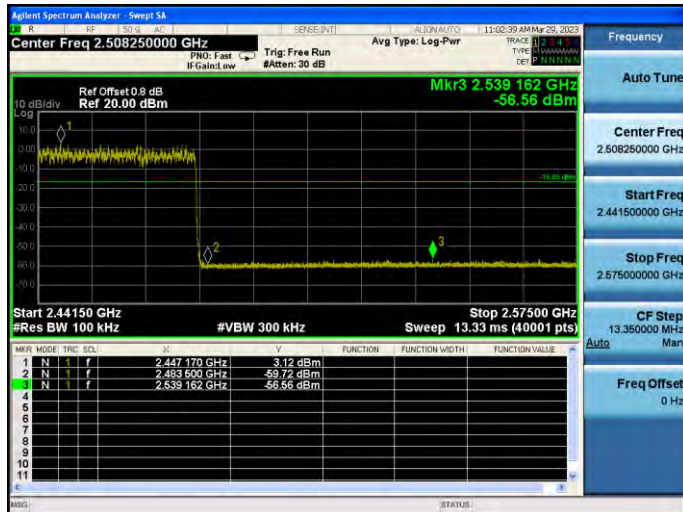
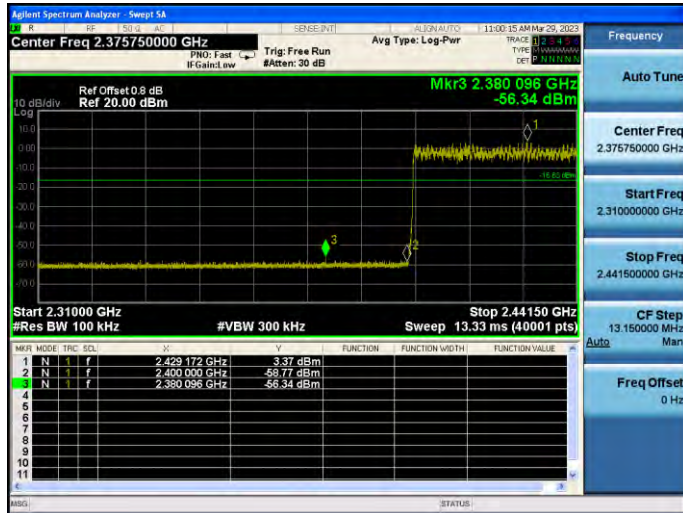


High ch



BT_8DPSK_Hopping

Low ch-High ch



Number of Hopping

BT_GFSK	
CH00 - CH39	
CH39 - CH78	

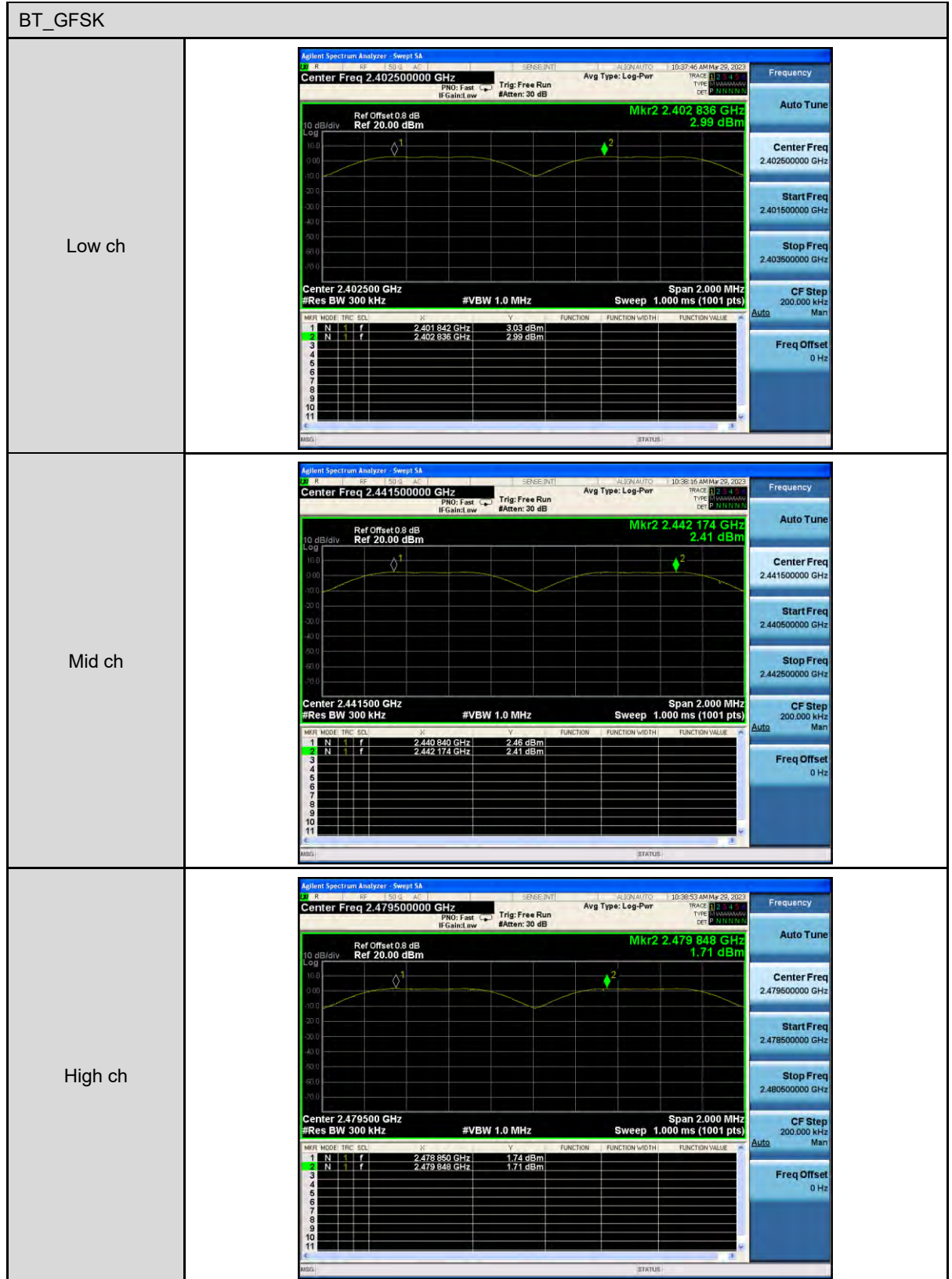
BT_8DPSK	
CH00 - CH39	
CH39 - CH78	

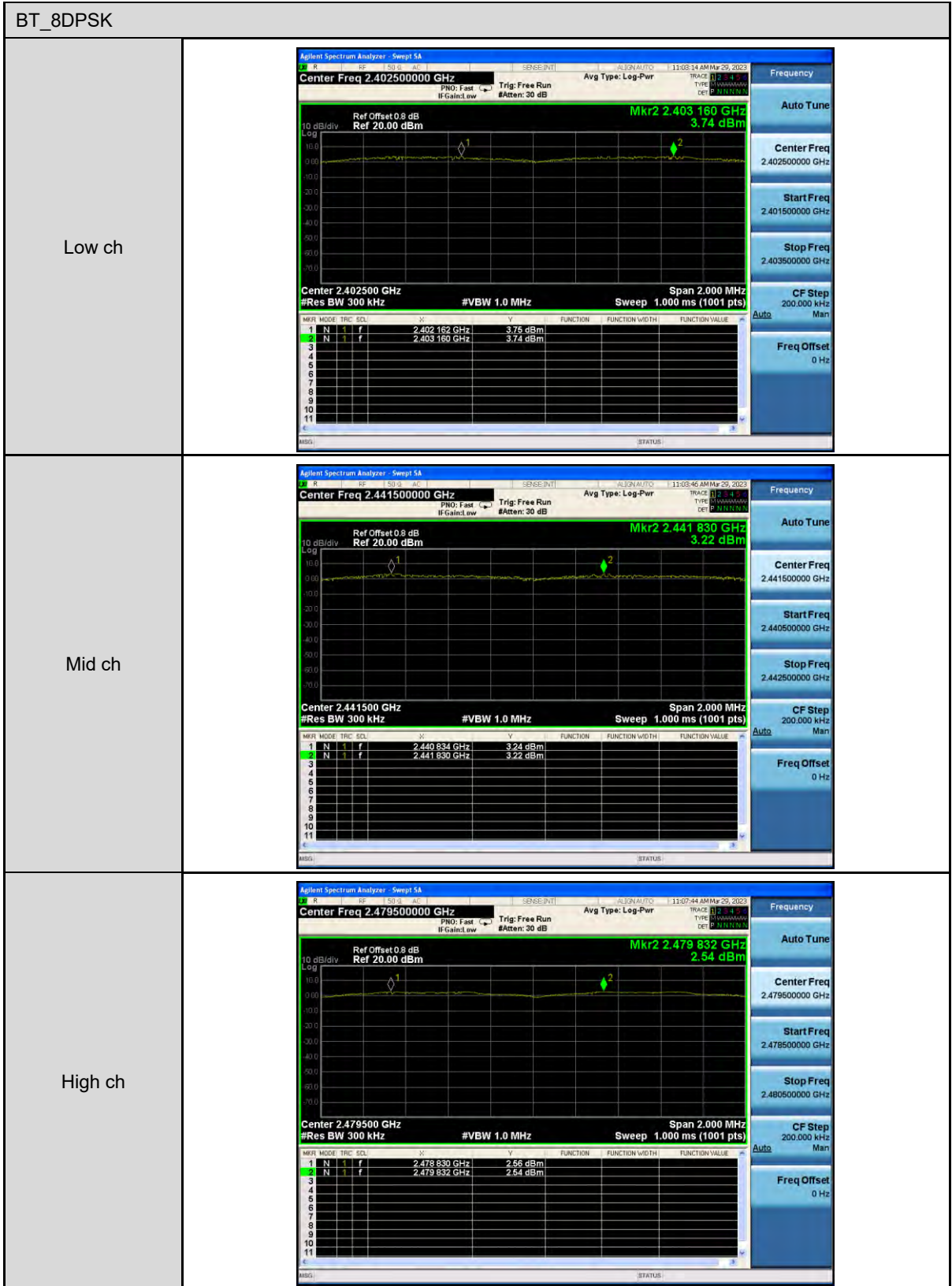
20 dB RF Bandwidth

BT_GFSK	
Low ch	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.40200000 GHz</p> <p>Ref Offset 0.8 dB, Ref 20.00 dBm</p> <p>Center 2.402 GHz, #Res BW 30 kHz, #VBW 100 kHz, Span 3 MHz, Sweep 3.2 ms</p> <p>Occupied Bandwidth: 846.34 kHz, Total Power: 11.0 dBm</p> <p>Transmit Freq Error: 11.919 kHz, OBW Power: 99.00 %</p> <p>x dB Bandwidth: 943.1 kHz, x dB: -20.00 dB</p>
Mid ch	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.441000000 GHz</p> <p>Ref Offset 0.8 dB, Ref 20.00 dBm</p> <p>Center 2.441 GHz, #Res BW 30 kHz, #VBW 100 kHz, Span 3 MHz, Sweep 3.2 ms</p> <p>Occupied Bandwidth: 843.59 kHz, Total Power: 10.5 dBm</p> <p>Transmit Freq Error: 10.565 kHz, OBW Power: 99.00 %</p> <p>x dB Bandwidth: 943.5 kHz, x dB: -20.00 dB</p>
High ch	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.480000000 GHz</p> <p>Ref Offset 0.8 dB, Ref 20.00 dBm</p> <p>Center 2.48 GHz, #Res BW 30 kHz, #VBW 100 kHz, Span 3 MHz, Sweep 3.2 ms</p> <p>Occupied Bandwidth: 845.55 kHz, Total Power: 9.74 dBm</p> <p>Transmit Freq Error: 10.927 kHz, OBW Power: 99.00 %</p> <p>x dB Bandwidth: 944.1 kHz, x dB: -20.00 dB</p>

BT_8DPSK	
Low ch	
Mid ch	
High ch	

Carrier Frequency Separation





Time of Occupancy (Dwell Time)

BT_GFSK																																														
DH1	<p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.40200000 GHz</p> <p>Ref Offset 0.8 dB Ref 20.00 dBm</p> <p>$\Delta Mkr3$ 1.255 ms 0.20 dB</p> <p>Center 2.40200000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 5.867 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRC</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>-1.82 dB</td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>234.7 μs</td> <td>(Δ)</td> <td>-54.64 dBm</td> <td></td> </tr> <tr> <td>3</td> <td>Δ4</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>1.255 ms</td> <td>(Δ)</td> <td>0.20 dB</td> <td></td> </tr> <tr> <td>4</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>234.7 μs</td> <td>(Δ)</td> <td>-54.64 dBm</td> <td></td> </tr> </tbody> </table>	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	t	t	(Δ)	410.7 μ s	(Δ)	-1.82 dB		2	F	t	t	(Δ)	234.7 μ s	(Δ)	-54.64 dBm		3	Δ 4	t	t	(Δ)	1.255 ms	(Δ)	0.20 dB		4	F	t	t	(Δ)	234.7 μ s	(Δ)	-54.64 dBm	
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DH3	<p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.40200000 GHz</p> <p>Ref Offset 0.8 dB Ref 20.00 dBm</p> <p>$\Delta Mkr3$ 2.494 ms 0.17 dB</p> <p>Center 2.40200000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 11.13 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRC</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>1.670 ms</td> <td>(Δ)</td> <td>0.33 dB</td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>590.1 μs</td> <td>(Δ)</td> <td>-54.97 dBm</td> <td></td> </tr> <tr> <td>3</td> <td>Δ4</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>2.494 ms</td> <td>(Δ)</td> <td>0.17 dB</td> <td></td> </tr> <tr> <td>4</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>590.1 μs</td> <td>(Δ)</td> <td>-54.97 dBm</td> <td></td> </tr> </tbody> </table>	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	t	t	(Δ)	1.670 ms	(Δ)	0.33 dB		2	F	t	t	(Δ)	590.1 μ s	(Δ)	-54.97 dBm		3	Δ 4	t	t	(Δ)	2.494 ms	(Δ)	0.17 dB		4	F	t	t	(Δ)	590.1 μ s	(Δ)	-54.97 dBm	
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DH5	<p>Agilent Spectrum Analyzer - Sweep 5A</p> <p>Center Freq 2.40200000 GHz</p> <p>Ref Offset 0.8 dB Ref 20.00 dBm</p> <p>$\Delta Mkr3$ 3.798 ms -0.36 dB</p> <p>Center 2.40200000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 16.73 ms (1001 pts)</p> <table border="1"> <thead> <tr> <th>MNR</th> <th>MODE</th> <th>TRC</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>2.979 ms</td> <td>(Δ)</td> <td>-0.02 dB</td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>836.7 μs</td> <td>(Δ)</td> <td>-54.00 dBm</td> <td></td> </tr> <tr> <td>3</td> <td>Δ4</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>3.798 ms</td> <td>(Δ)</td> <td>-0.36 dB</td> <td></td> </tr> <tr> <td>4</td> <td>F</td> <td>t</td> <td>t</td> <td>(Δ)</td> <td>836.7 μs</td> <td>(Δ)</td> <td>-54.00 dBm</td> <td></td> </tr> </tbody> </table>	MNR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	t	t	(Δ)	2.979 ms	(Δ)	-0.02 dB		2	F	t	t	(Δ)	836.7 μ s	(Δ)	-54.00 dBm		3	Δ 4	t	t	(Δ)	3.798 ms	(Δ)	-0.36 dB		4	F	t	t	(Δ)	836.7 μ s	(Δ)	-54.00 dBm	
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