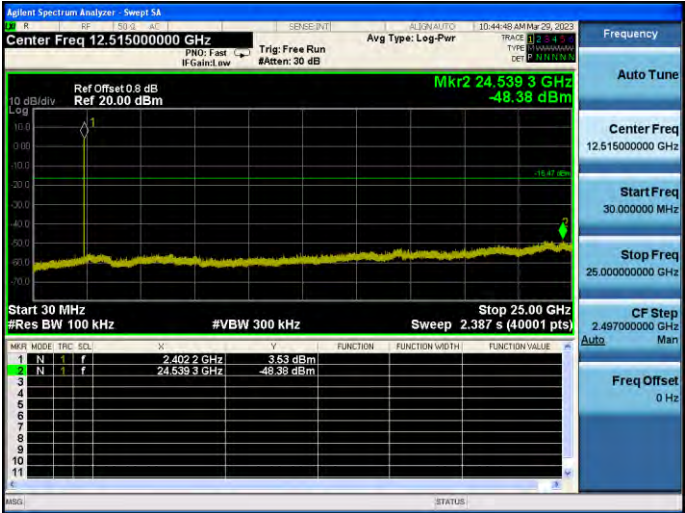
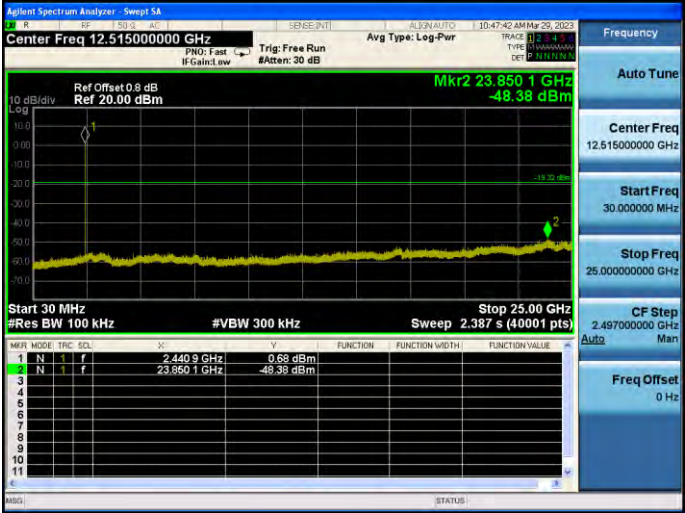
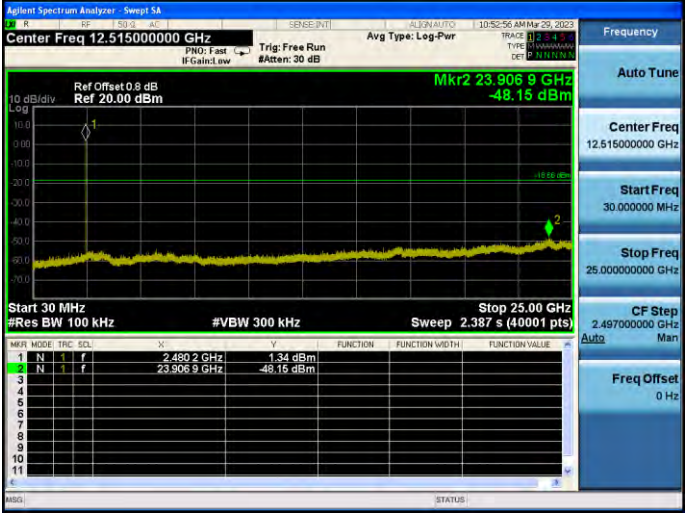


Appendix B. Test Plots

Out of Band Conducted Spurious Emission

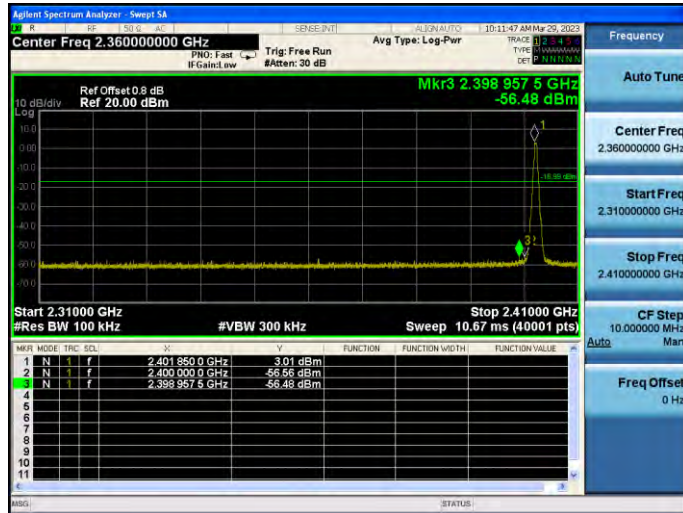
BT_GFSK																																																																																																													
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BT_8DPSK	
Low ch	
Mid ch	
High ch	

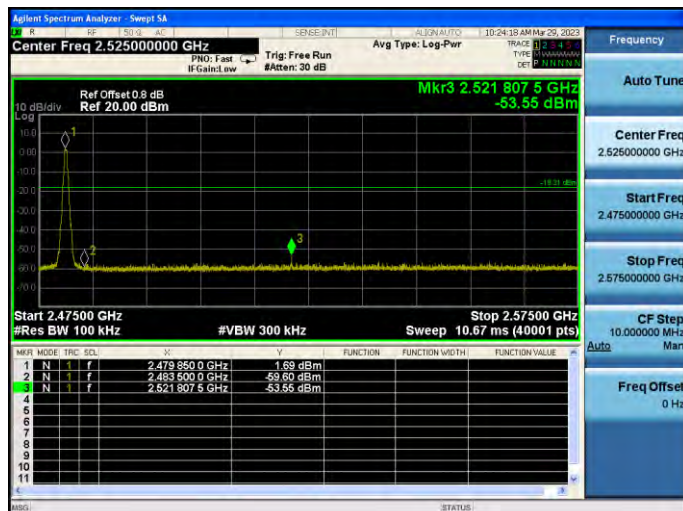
Conducted Band Edge

BT_GFSK_Un-hopping

Low ch

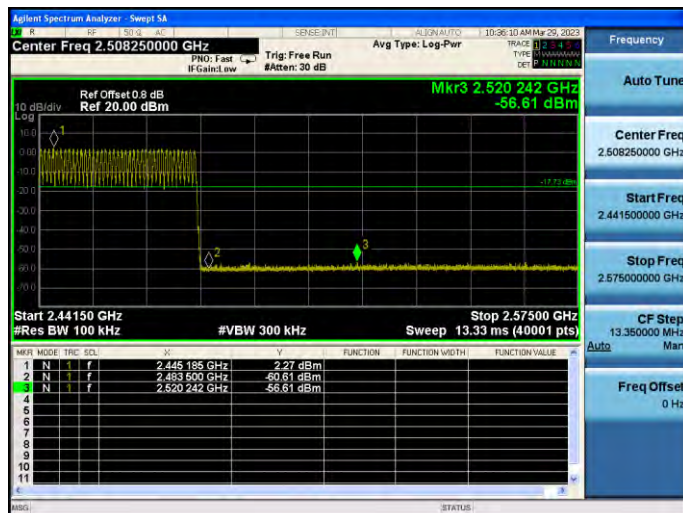
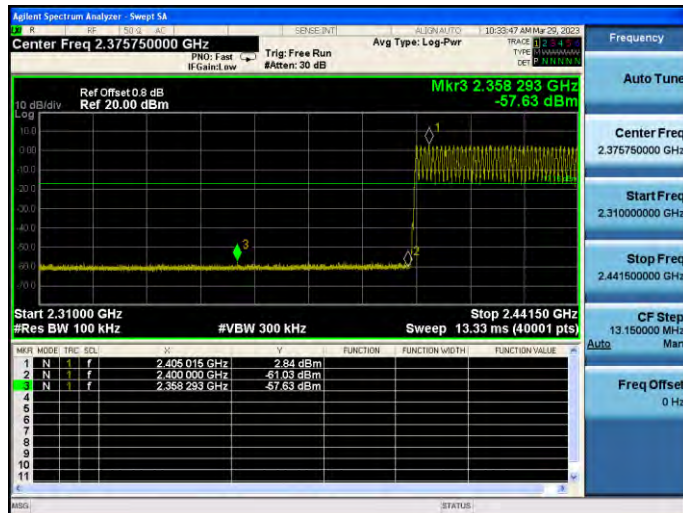


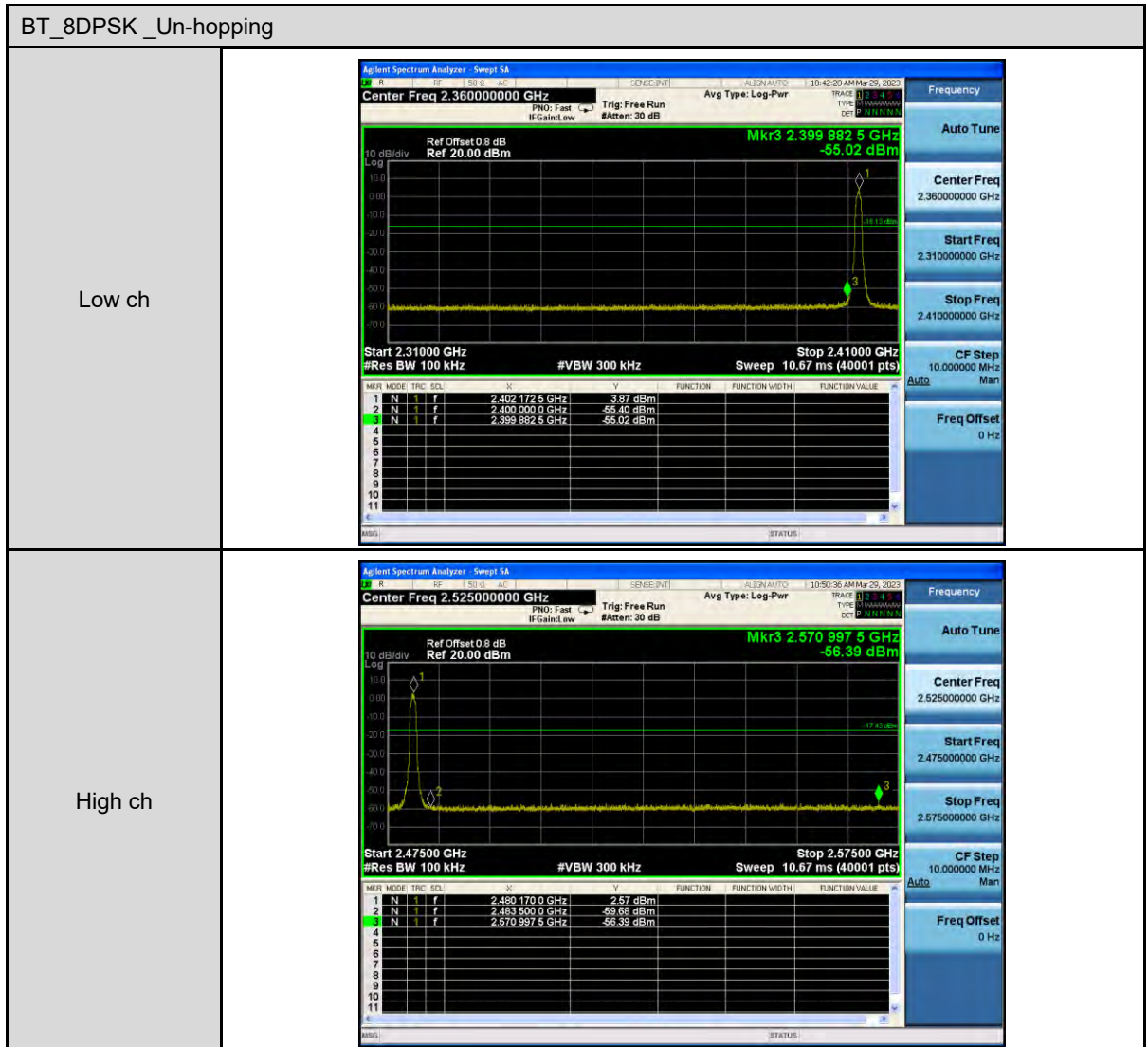
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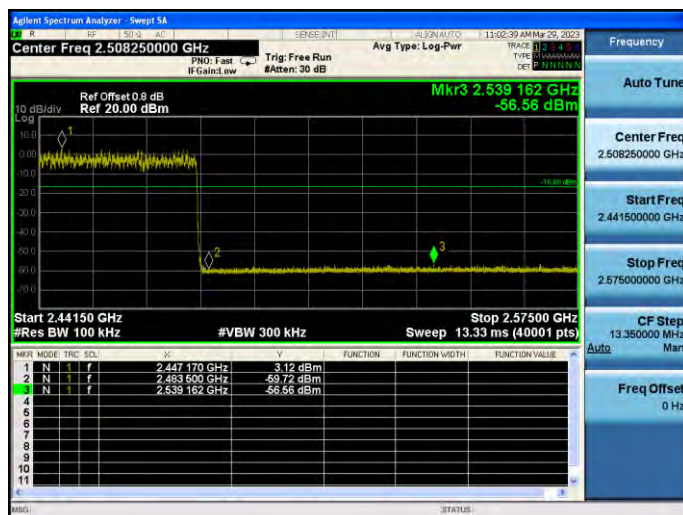
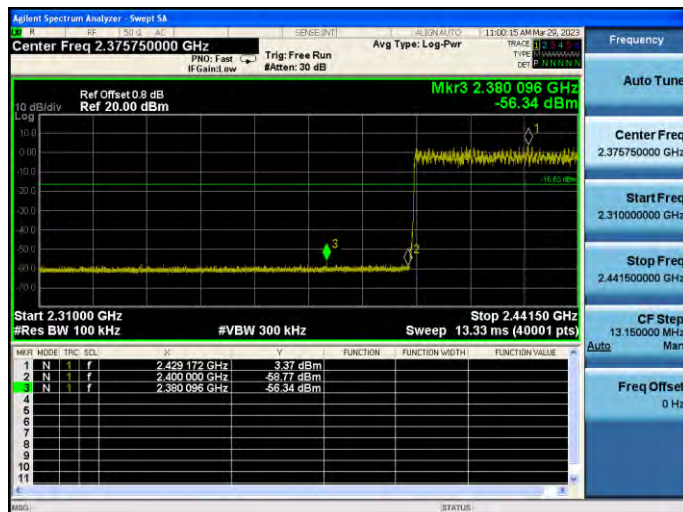
Low ch-High ch





BT_8DPSK_Hopping

Low ch-High ch

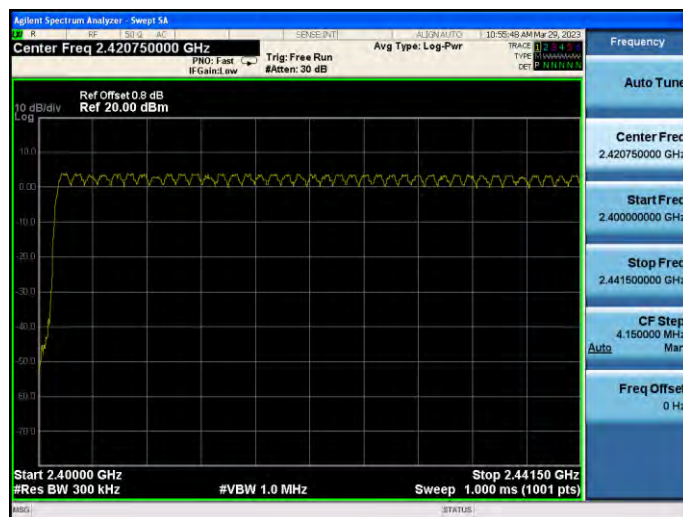


Number of Hopping

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CH00 - CH39	
CH39- CH78	

BT_8DPSK

CH00 - CH39



CH39- CH78

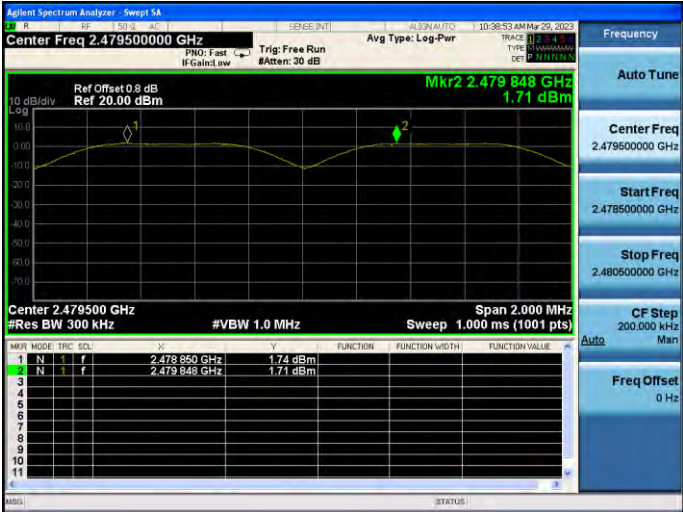


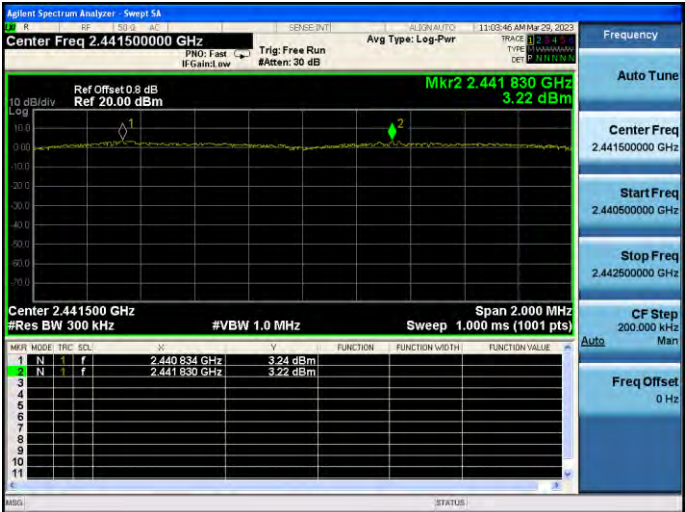
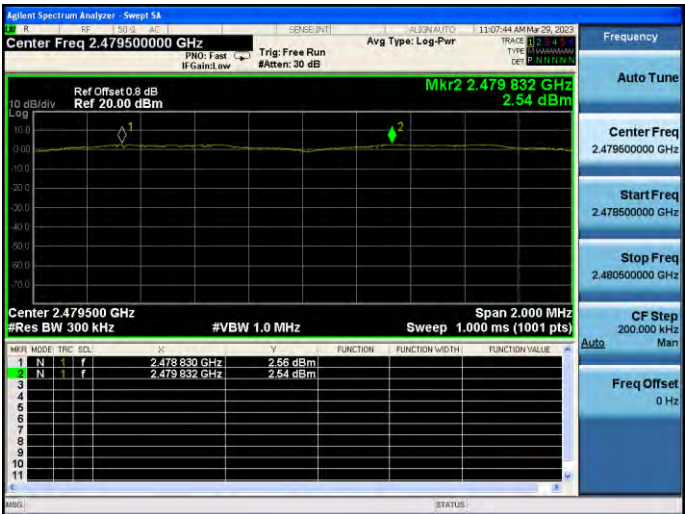
20 dB RF Bandwidth

BT_GFSK	
Low ch	
Mid ch	
High ch	

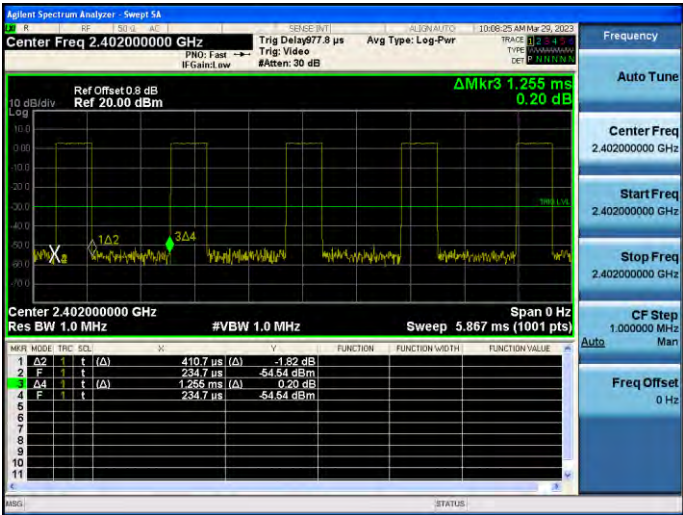
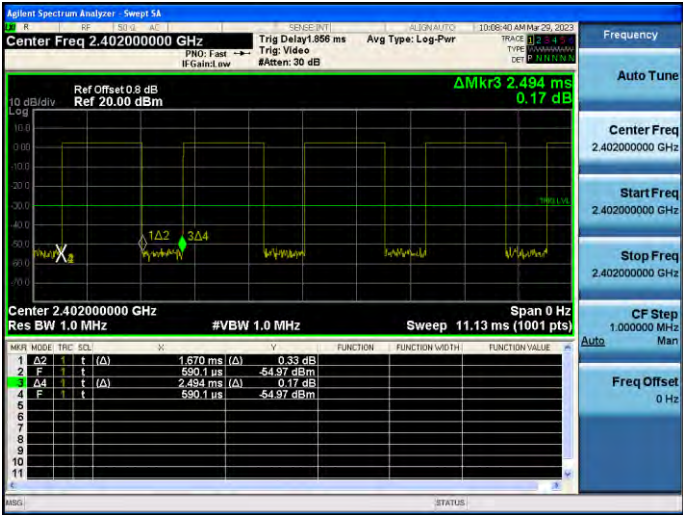
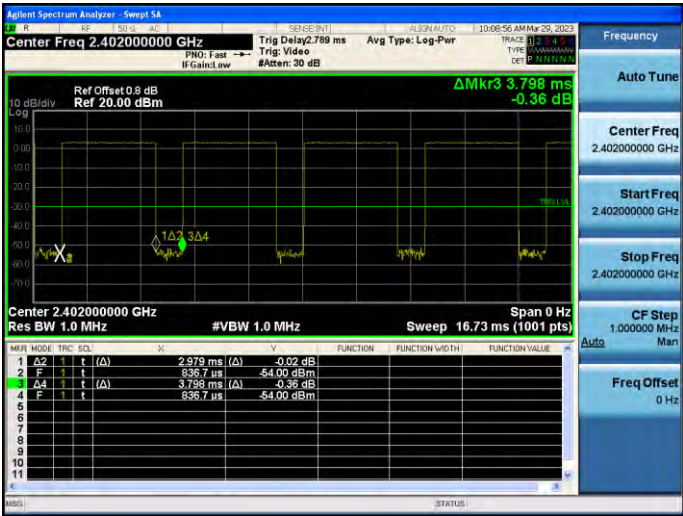
BT_8DPSK	
Low ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.40200000 GHz Ref Offset 0.9 dB Ref 20.00 dBm Center 2.402 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.1544 MHz Total Power 12.0 dBm Transmit Freq Error 3.050 kHz OBW Power 99.00 % x dB Bandwidth 1.273 MHz x dB -20.00 dB
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.44100000 GHz Ref Offset 0.9 dB Ref 20.00 dBm Center 2.441 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.1676 MHz Total Power 10.8 dBm Transmit Freq Error 2.548 kHz OBW Power 99.00 % x dB Bandwidth 1.301 MHz x dB -20.00 dB
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.48000000 GHz Ref Offset 0.9 dB Ref 20.00 dBm Center 2.48 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.1543 MHz Total Power 10.6 dBm Transmit Freq Error 2.611 kHz OBW Power 99.00 % x dB Bandwidth 1.273 MHz x dB -20.00 dB

Carrier Frequency Separation

BT_GFSK	
Low ch	 Agilent Spectrum Analyzer - Sweep 5A Center Freq 2.40250000 GHz Span 2.000 MHz Res BW 300 kHz #VBW 1.0 MHz Sweep 1.000 ms (1001 pts) Ref Offset 0.8 dB Ref 20.00 dBm Mkr2 2.402 836 GHz 2.99 dBm 1 2.401 842 GHz 3.03 dBm 2 2.402 836 GHz 2.99 dBm
Mid ch	 Agilent Spectrum Analyzer - Sweep 5A Center Freq 2.44150000 GHz Span 2.000 MHz Res BW 300 kHz #VBW 1.0 MHz Sweep 1.000 ms (1001 pts) Ref Offset 0.8 dB Ref 20.00 dBm Mkr2 2.442 174 GHz 2.41 dBm 1 2.440 840 GHz 2.46 dBm 2 2.442 174 GHz 2.41 dBm
High ch	 Agilent Spectrum Analyzer - Sweep 5A Center Freq 2.47950000 GHz Span 2.000 MHz Res BW 300 kHz #VBW 1.0 MHz Sweep 1.000 ms (1001 pts) Ref Offset 0.8 dB Ref 20.00 dBm Mkr2 2.479 848 GHz 1.71 dBm 1 2.478 850 GHz 1.74 dBm 2 2.479 848 GHz 1.71 dBm

BT_8DPSK	
Low ch	
Mid ch	
High ch	

Time of Occupancy (Dwell Time)

BT_GFSK	
DH1	 Agilent Spectrum Analyzer - Sweep 5A Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 1.255 ms 0.20 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 5.867 ms (1001 pts) Span 0 Hz Trig Delay 977.8 μs Trig: Video Avg Type: Log-Pwr Trig: Fast IF Gain: 30 dB Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Freq Offset 0 Hz
DH3	 Agilent Spectrum Analyzer - Sweep 5A Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 2.494 ms 0.17 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 11.13 ms (1001 pts) Span 0 Hz Trig Delay 1.856 ms Trig: Video Avg Type: Log-Pwr Trig: Fast IF Gain: 30 dB Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Freq Offset 0 Hz
DH5	 Agilent Spectrum Analyzer - Sweep 5A Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 3.798 ms -0.36 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 16.73 ms (1001 pts) Span 0 Hz Trig Delay 2.789 ms Trig: Video Avg Type: Log-Pwr Trig: Fast IF Gain: 30 dB Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Freq Offset 0 Hz

BT_8DPSK																																														
3DH1	Agilent Spectrum Analyzer - Swept SA Center Freq 2.402000000 GHz Trig Delay 1.856 ms Avg Type: Log-Pwr Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 1.255 ms -0.98 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 5.867 ms (1001 pts) Span 0 Hz <table><thead><tr><th>MNR</th><th>MODE</th><th>TRIG</th><th>SOL</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>422.4 μs</td><td>-57.77 dB</td><td></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>-57.38 dBm</td><td></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>-0.98 dB</td><td></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>-57.38 dBm</td><td></td><td></td></tr></tbody></table> Frequency Auto Tune Center Freq 2.402000000 GHz Start Freq 2.402000000 GHz Stop Freq 2.402000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz	MNR	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ2	t	t	Δ	422.4 μs	-57.77 dB			2	F	t	t	Δ	234.7 μs	-57.38 dBm			3	Δ4	t	t	Δ	1.255 ms	-0.98 dB			4	F	t	t	Δ	234.7 μs	-57.38 dBm		
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MNR	MODE	TRIG	SOL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																						
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3	Δ4	t	t	Δ	3.748 ms	0.13 dB																																								
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