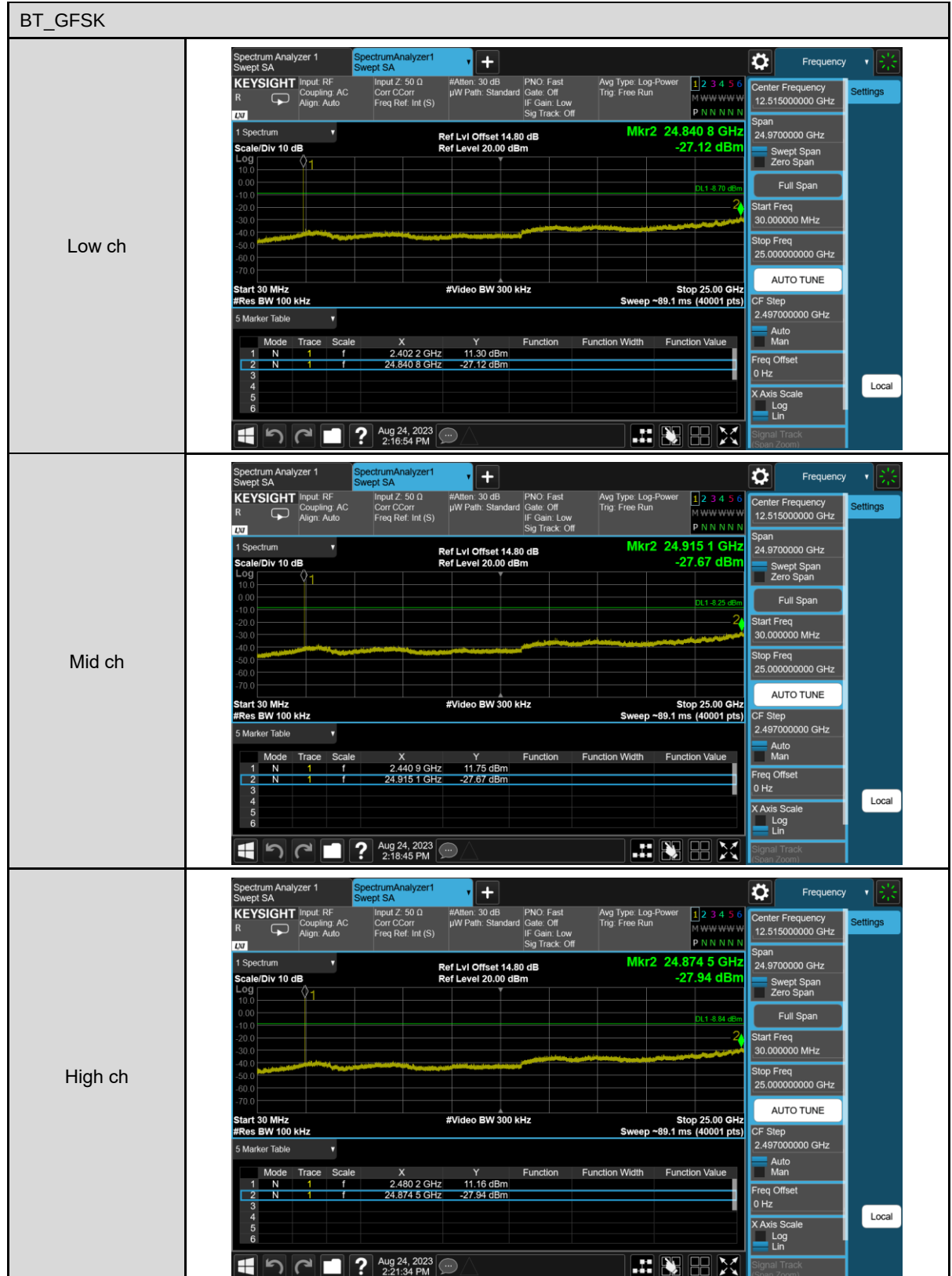
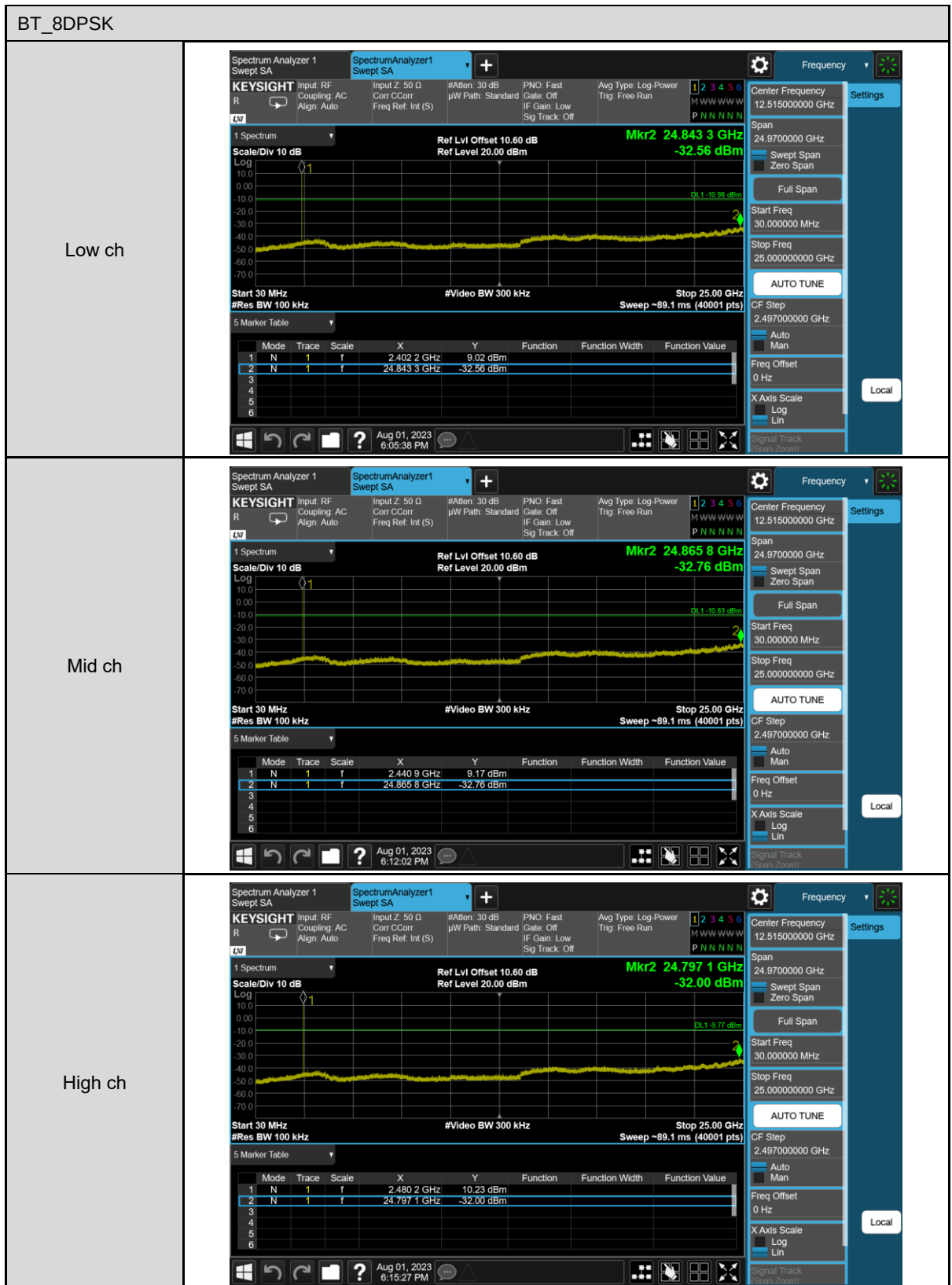


Appendix B. Test Plots

Out of Band Conducted Spurious Emission

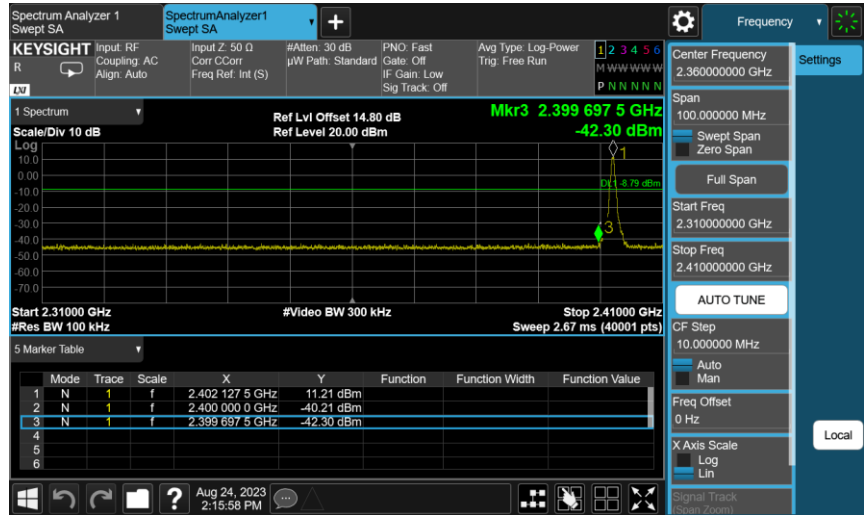




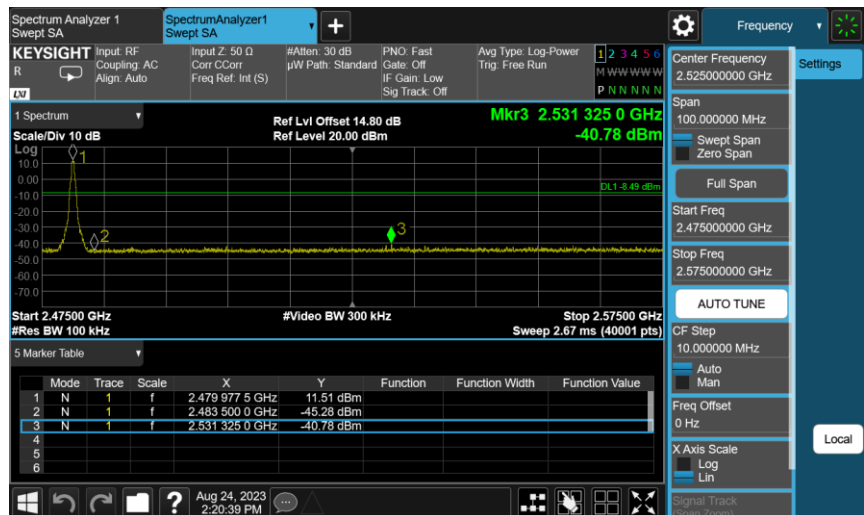
Conducted Band Edge

BT_GFSK_Un-hopping

Low ch

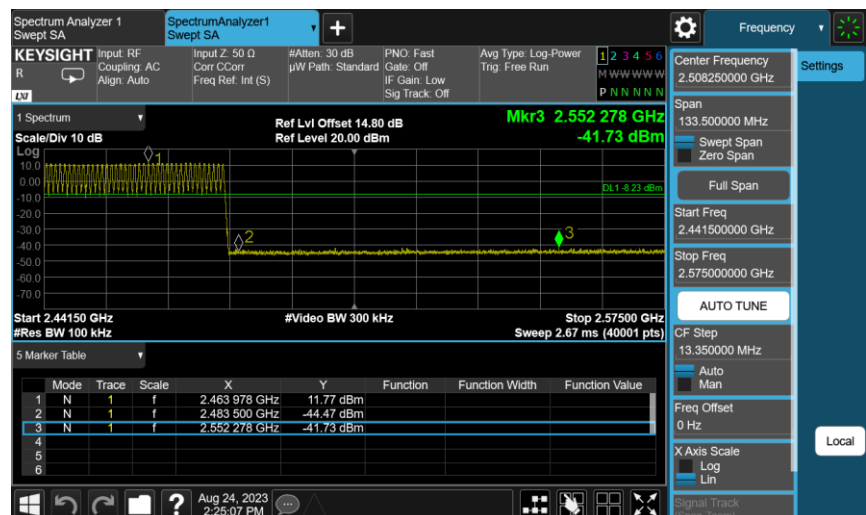
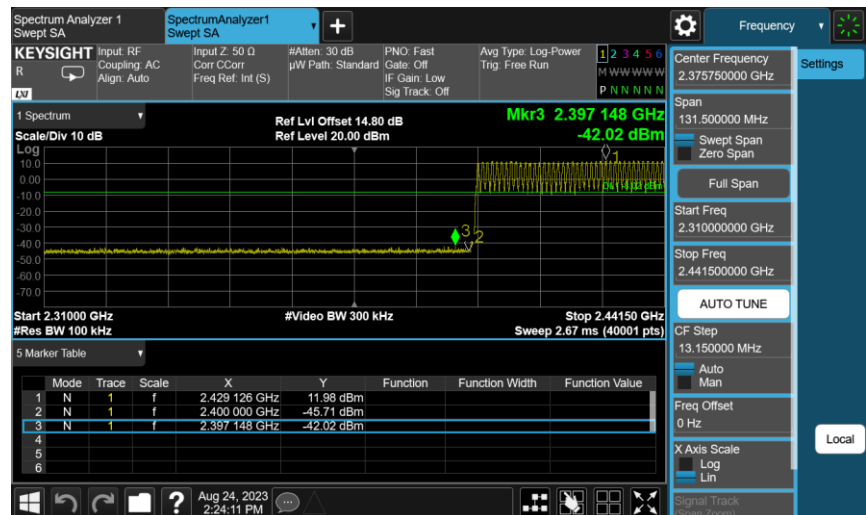


High ch



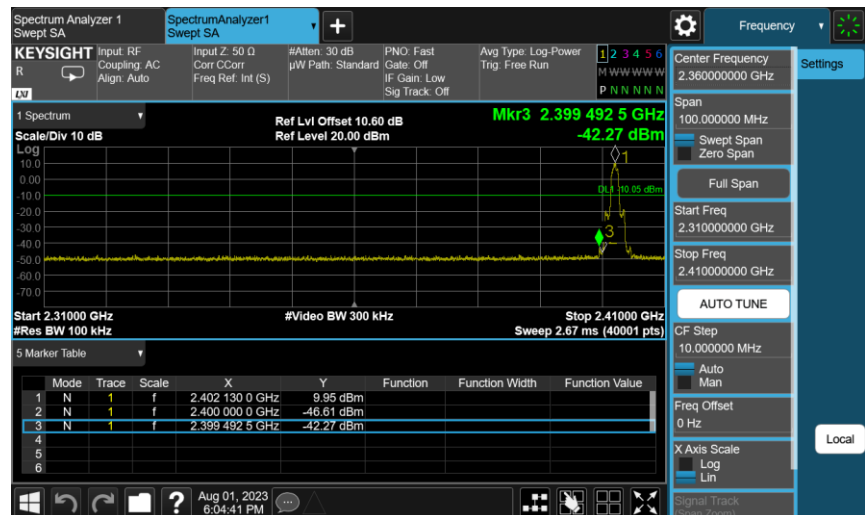
BT_GFSK_Hopping

Low ch-High ch

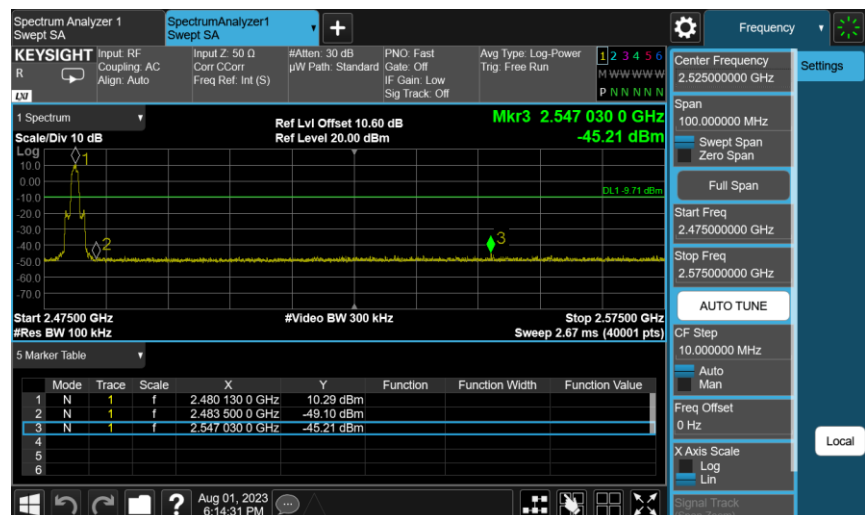


BT_8DPSK_Un-hopping

Low ch

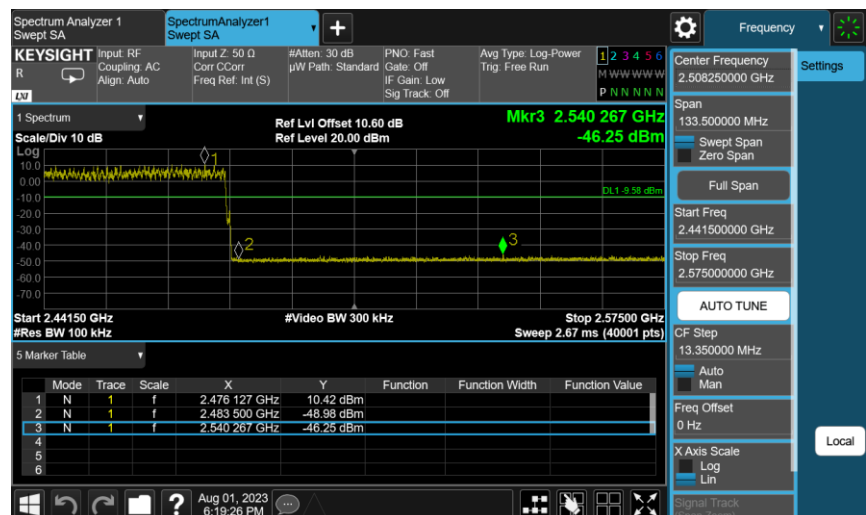
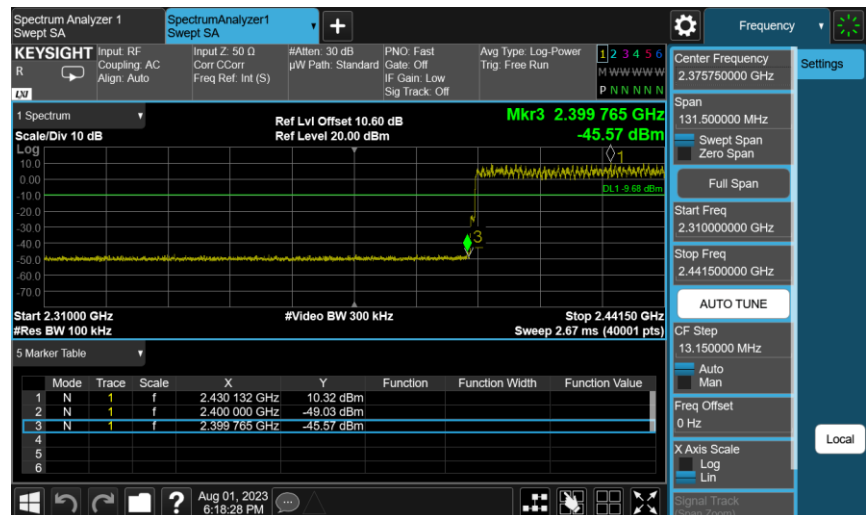


High ch



BT_8DPSK_Hopping

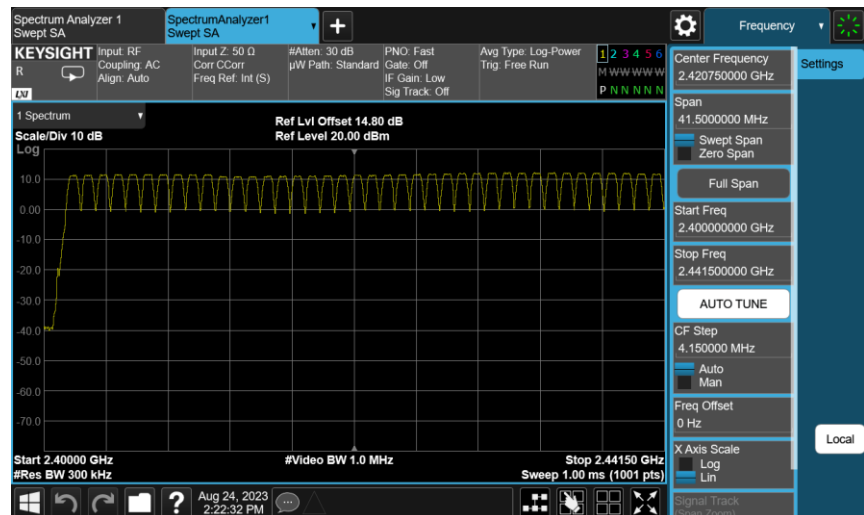
Low ch-High ch



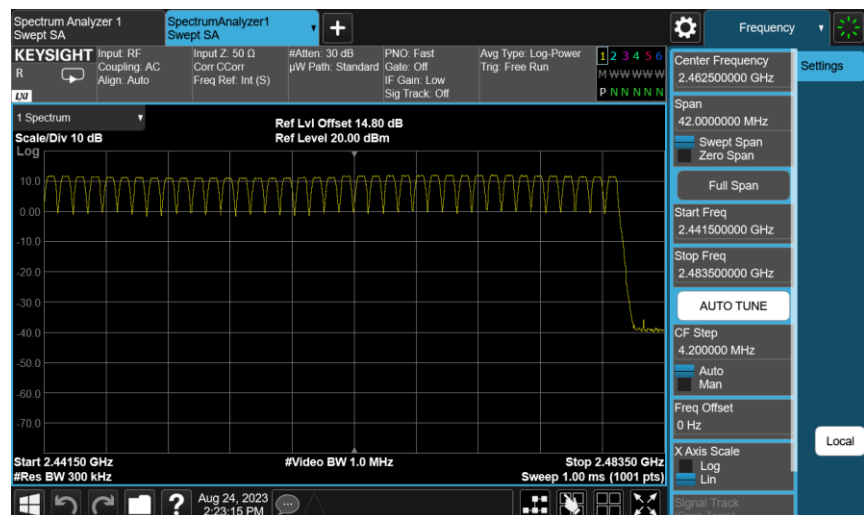
Number of Hopping

BT_GFSK

CH00 - CH39

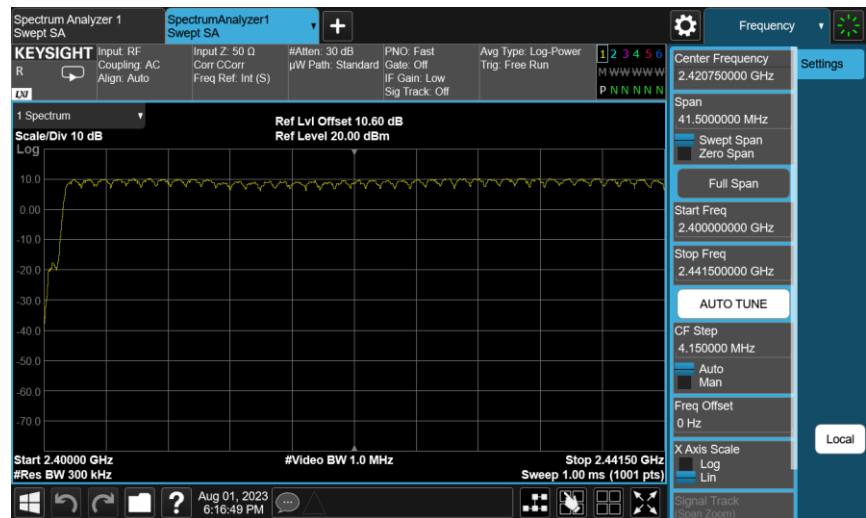


CH39- CH78

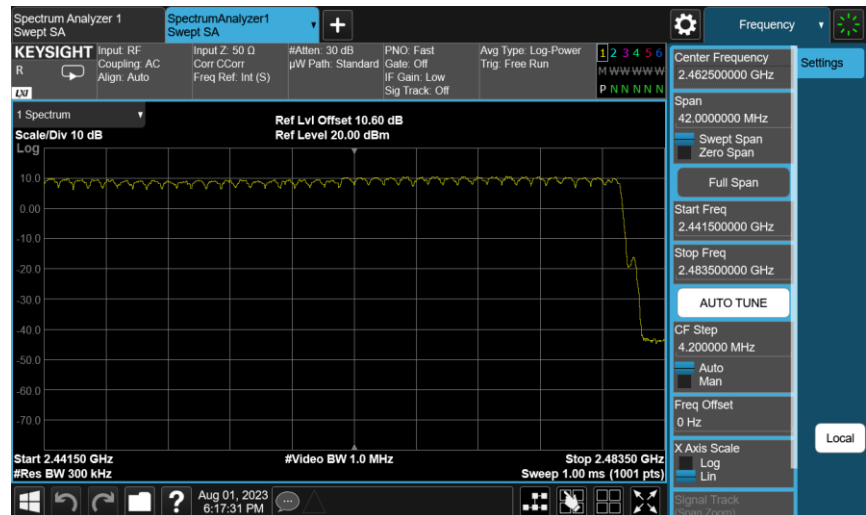


BT_8DPSK

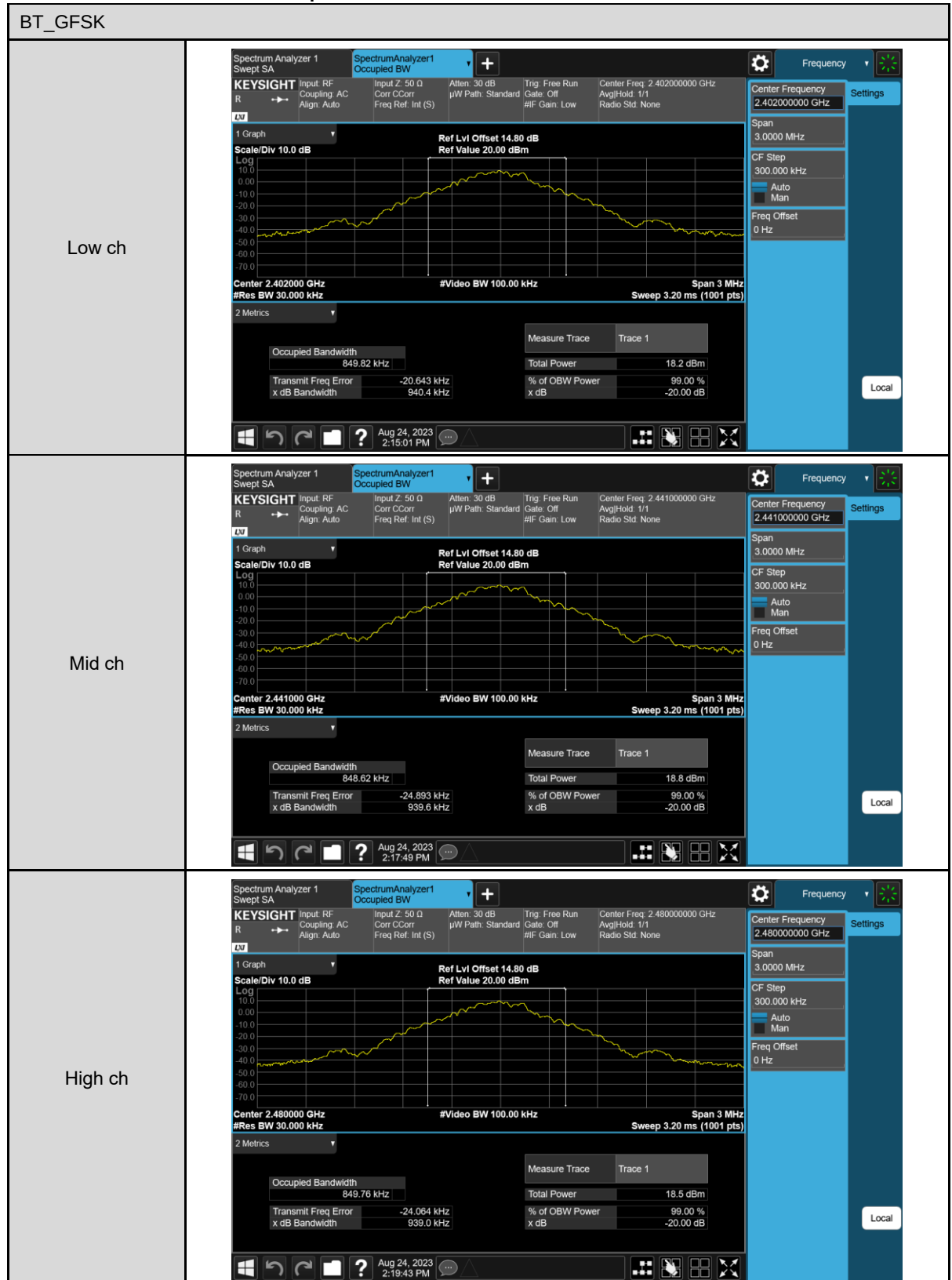
CH00 - CH39

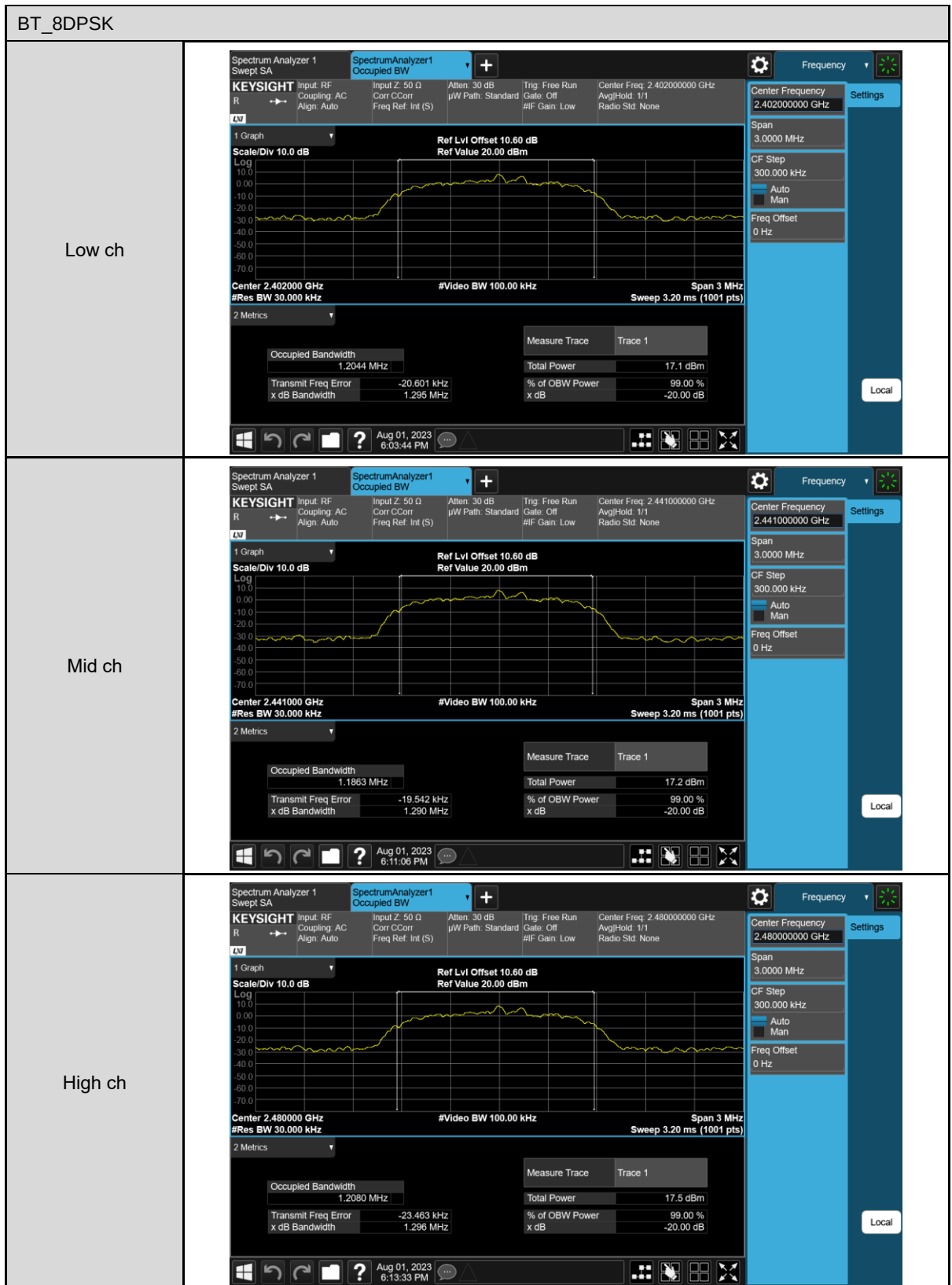


CH39- CH78

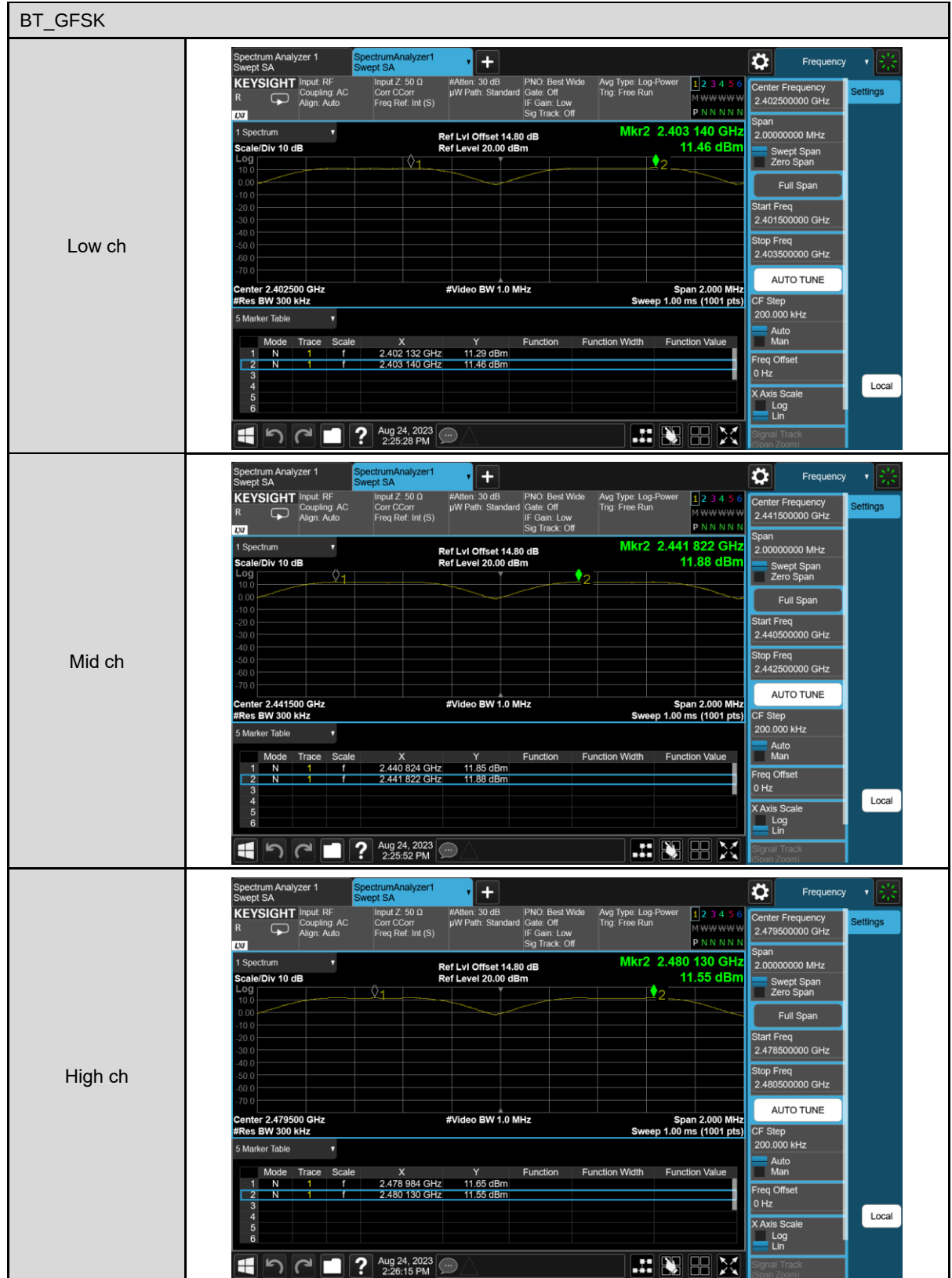


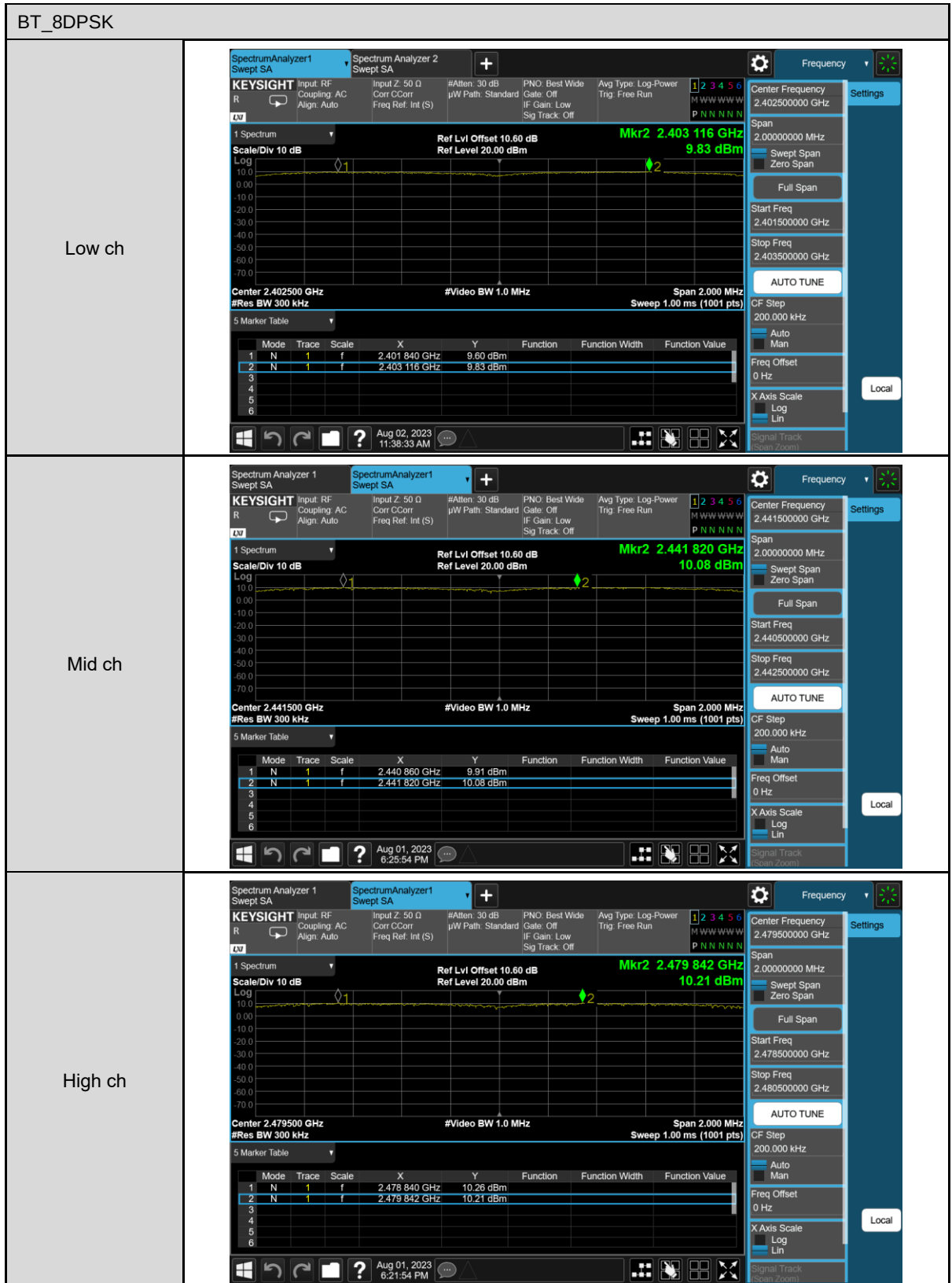
20 dB RF Bandwidth & 99 % Occupied Bandwidth





Carrier Frequency Separation





Time of Occupancy (Dwell Time)

BT_GFSK

DH1

Keysight Spectrum Analyzer 2
 Input RF: 50 Ω, Coupling: AC, Align: Auto, Atten: 30 dB, PNO: Fast, Gate: Off, IF Gain: Low, Sig Track: Off, Avg Type: Voltage, Trig: Free Run
 Center Frequency: 2.402000000 GHz, Res BW: 8 MHz, #Video BW: 8.0 MHz, Span: 0 Hz, Sweep: 5.00 ms (1001 pts)
 Ref Lvl Offset: 10.60 dB, Ref Level: 25.60 dBm, ΔMkr3: 1.250 ms, -0.82 dB

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ)	400.0 μs (Δ)	-26.55 dBm	
2	F	1	t	(Δ)	1.410 ms	-26.55 dBm	
3	Δ4	1	t	(Δ)	1.250 ms (Δ)	-0.82 dB	
4	F	1	t	(Δ)	1.410 ms	-26.55 dBm	

DH3

Keysight Spectrum Analyzer 2
 Input RF: 50 Ω, Coupling: AC, Align: Auto, Atten: 30 dB, PNO: Fast, Gate: Off, IF Gain: Low, Sig Track: Off, Avg Type: Voltage, Trig: Free Run
 Center Frequency: 2.402000000 GHz, Res BW: 8 MHz, #Video BW: 8.0 MHz, Span: 0 Hz, Sweep: 7.53 ms (1001 pts)
 Ref Lvl Offset: 10.60 dB, Ref Level: 25.60 dBm, ΔMkr3: 2.486 ms, -4.06 dB

Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ)	1.657 ms (Δ)	-5.16 dB	
2	F	1	t	(Δ)	2.744 ms	-26.16 dBm	
3	Δ4	1	t	(Δ)	2.486 ms (Δ)	-4.06 dB	
4	F	1	t	(Δ)	2.744 ms	-26.16 dBm	

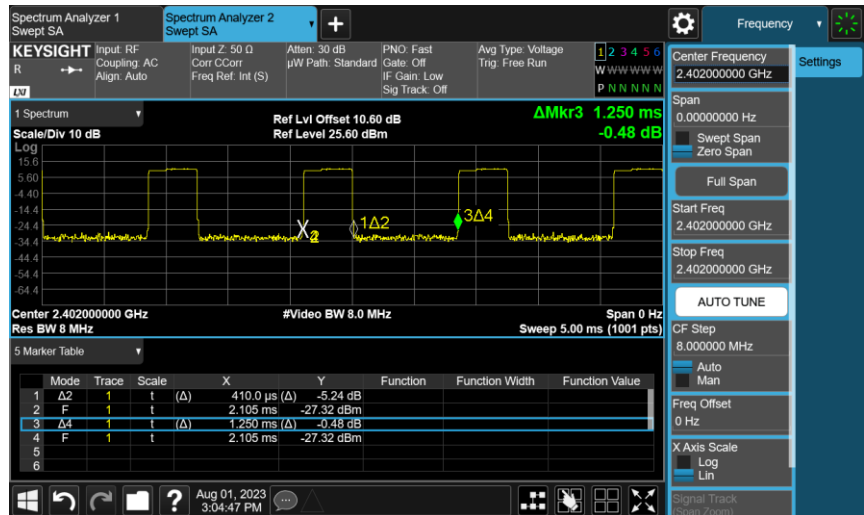
DH5

Keysight Spectrum Analyzer 2
 Input RF: 50 Ω, Coupling: AC, Align: Auto, Atten: 30 dB, PNO: Fast, Gate: Off, IF Gain: Low, Sig Track: Off, Avg Type: Voltage, Trig: Free Run
 Center Frequency: 2.402000000 GHz, Res BW: 8 MHz, #Video BW: 8.0 MHz, Span: 0 Hz, Sweep: 15.0 ms (1001 pts)
 Ref Lvl Offset: 10.60 dB, Ref Level: 25.60 dBm, ΔMkr3: 3.735 ms, -5.94 dB

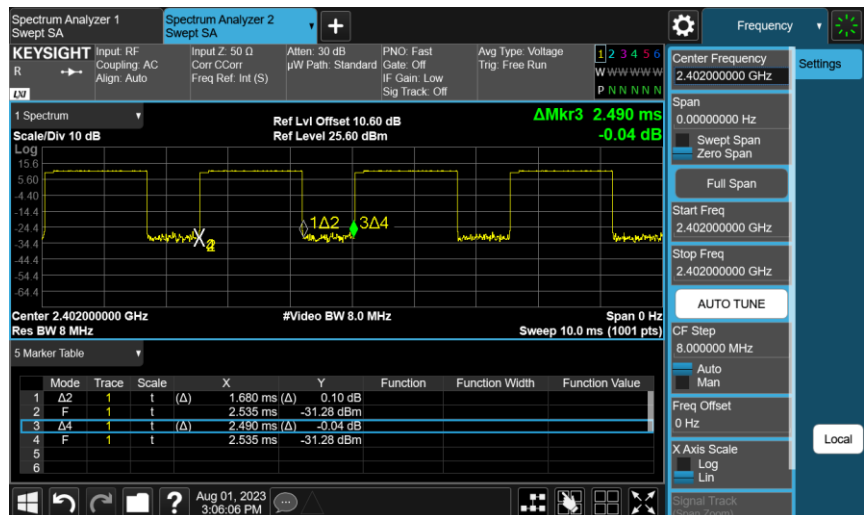
Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ)	2.925 ms (Δ)	-4.46 dB	
2	F	1	t	(Δ)	6.531 ms	-26.30 dBm	
3	Δ4	1	t	(Δ)	3.735 ms (Δ)	-5.94 dB	
4	F	1	t	(Δ)	6.531 ms	-26.30 dBm	

BT_π/4-DQPSK

2DH1



2DH3



2DH5

