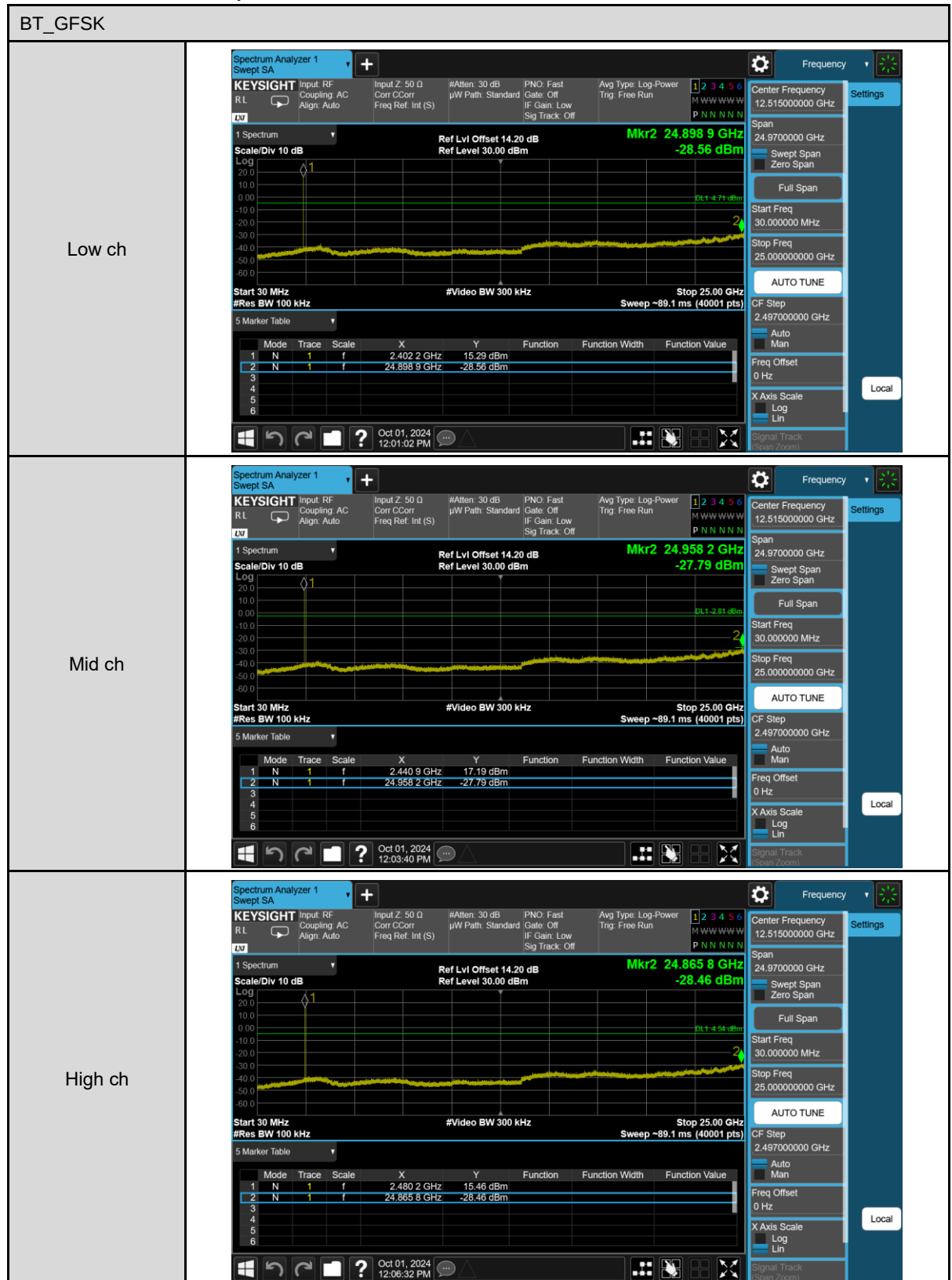
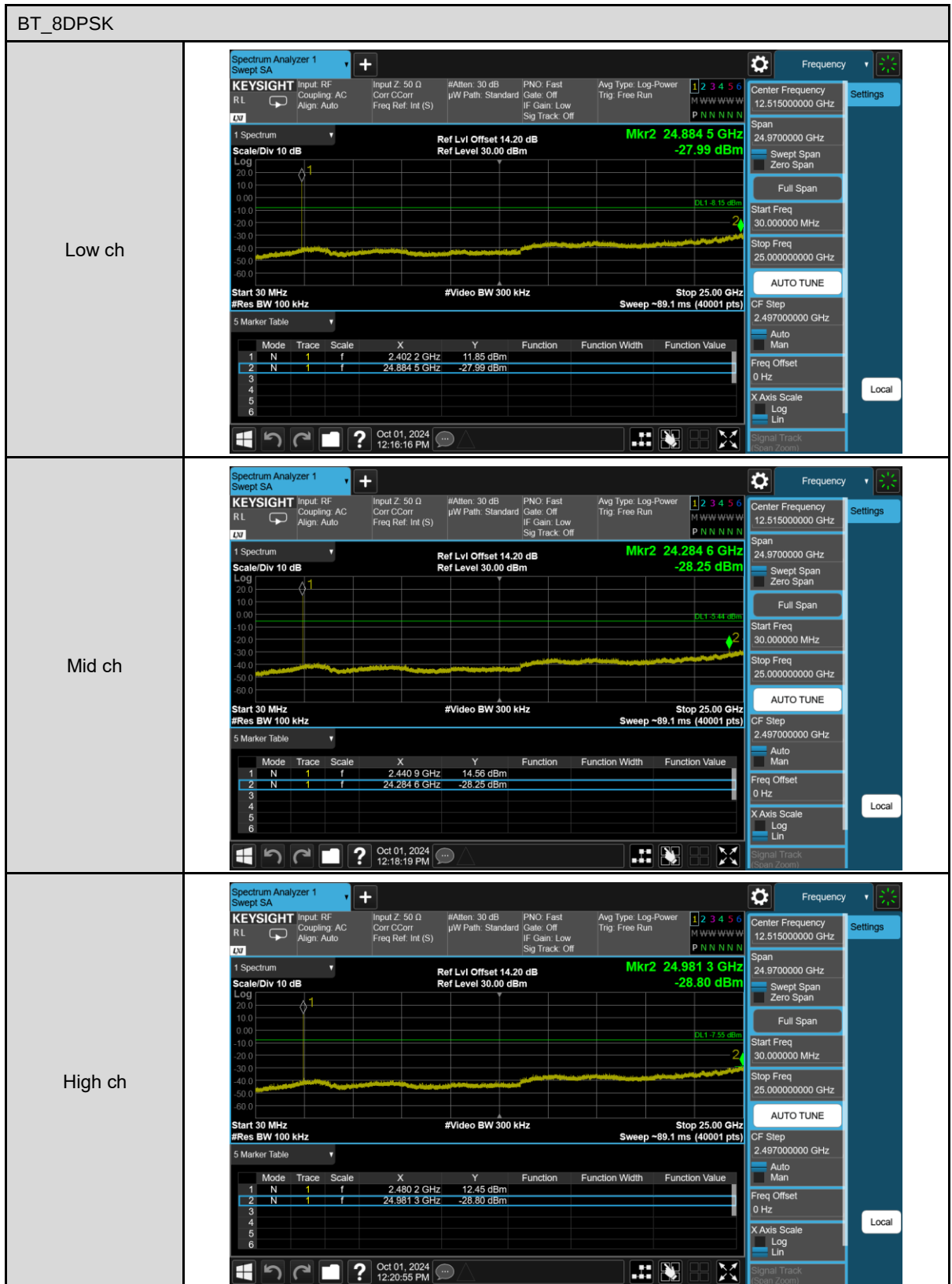


Appendix B. Test Plots

Out of Band Conducted Spurious Emission

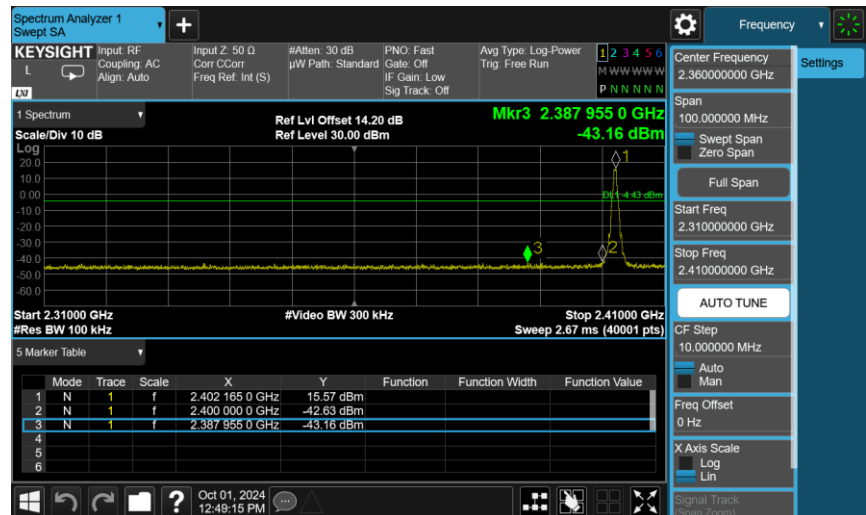




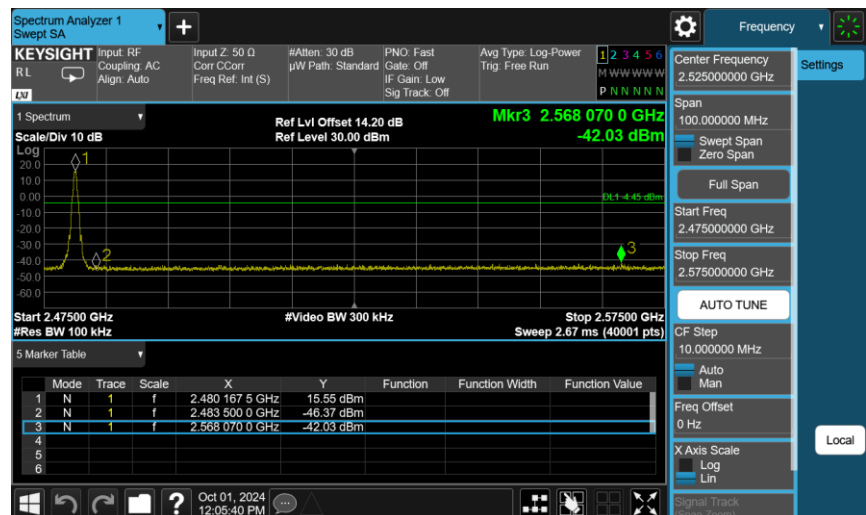
Conducted Band Edge

BT_GFSK_Non-Hopping

Low ch

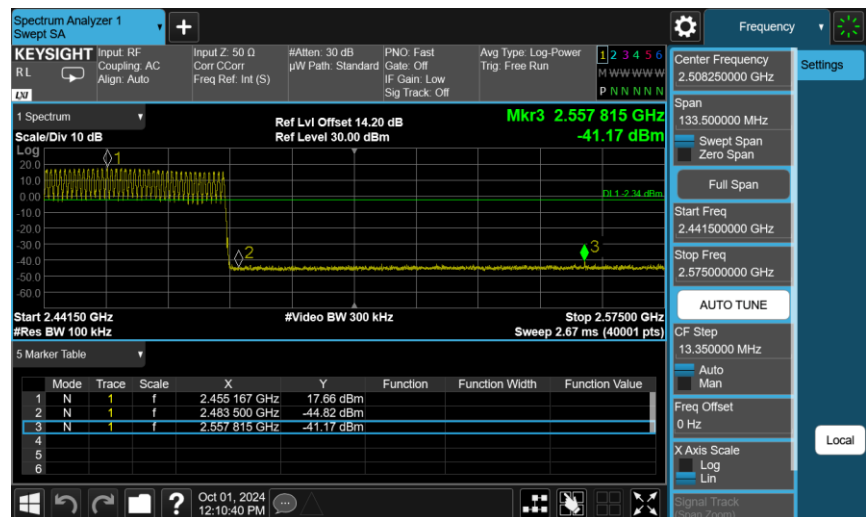
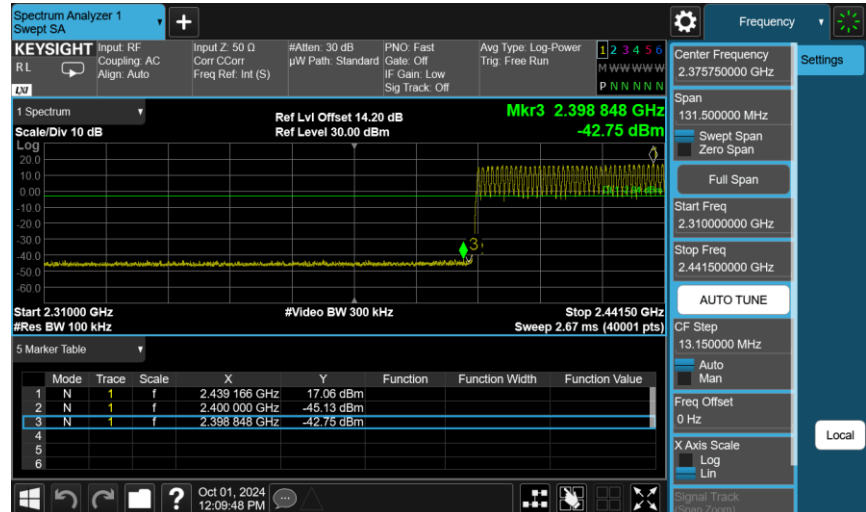


High ch



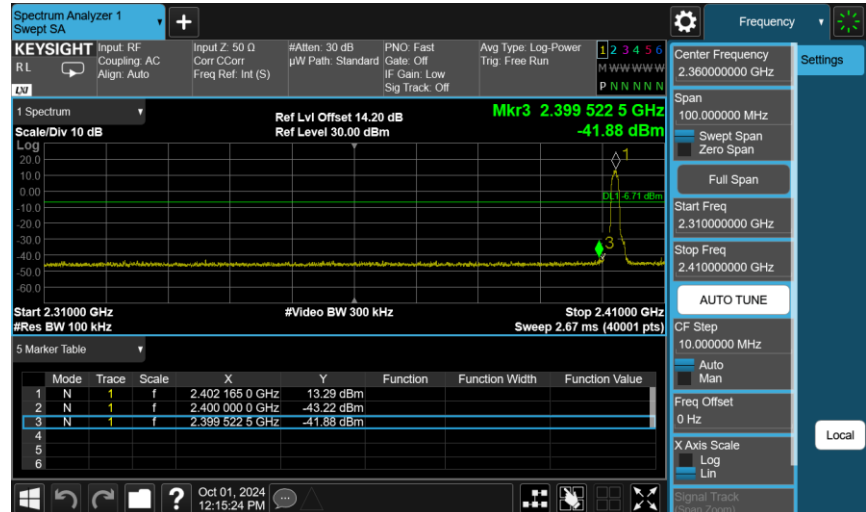
BT_GFSK_Hopping

Low ch-High ch

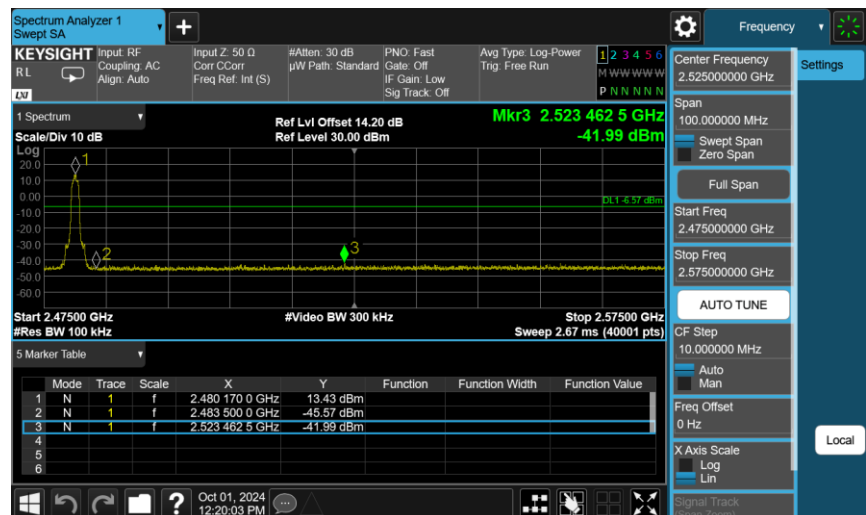


BT_8DPSK _Non-Hopping

Low ch

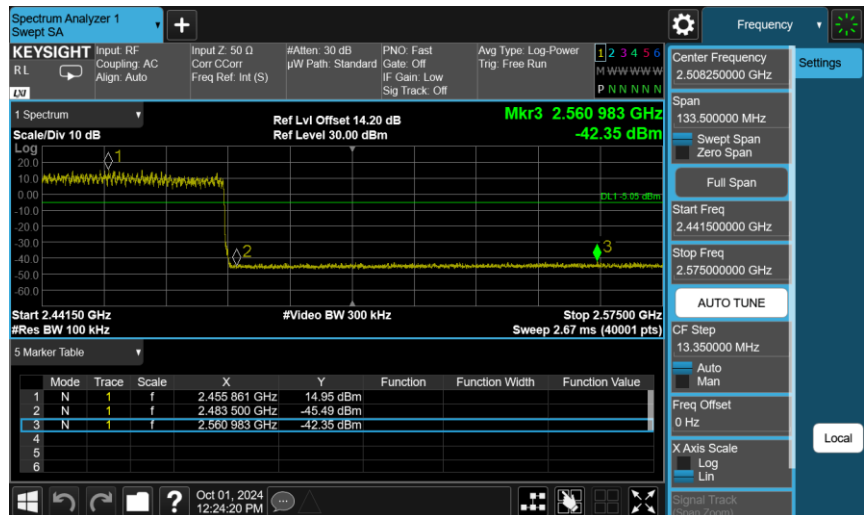
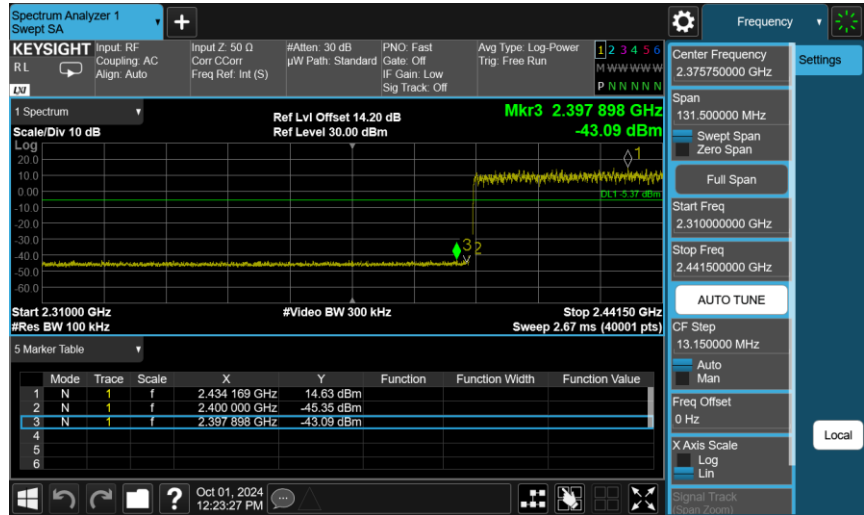


High ch



BT_8DPSK_Hopping

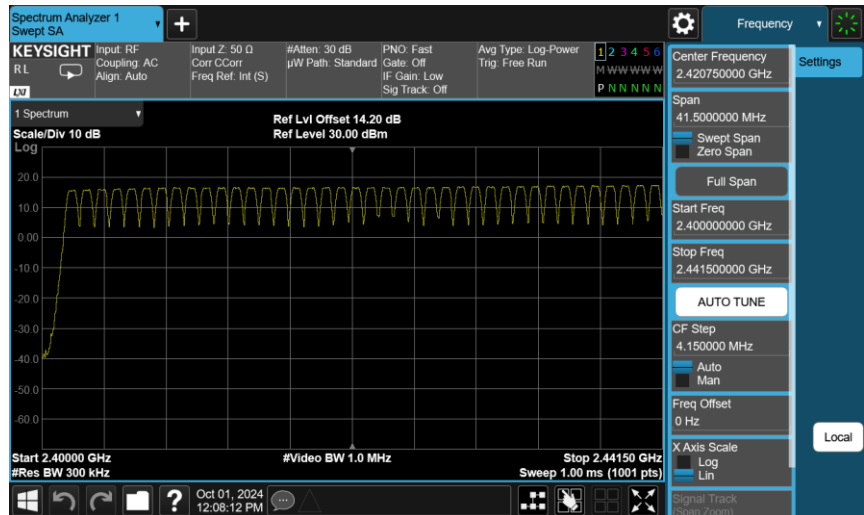
Low ch-High ch



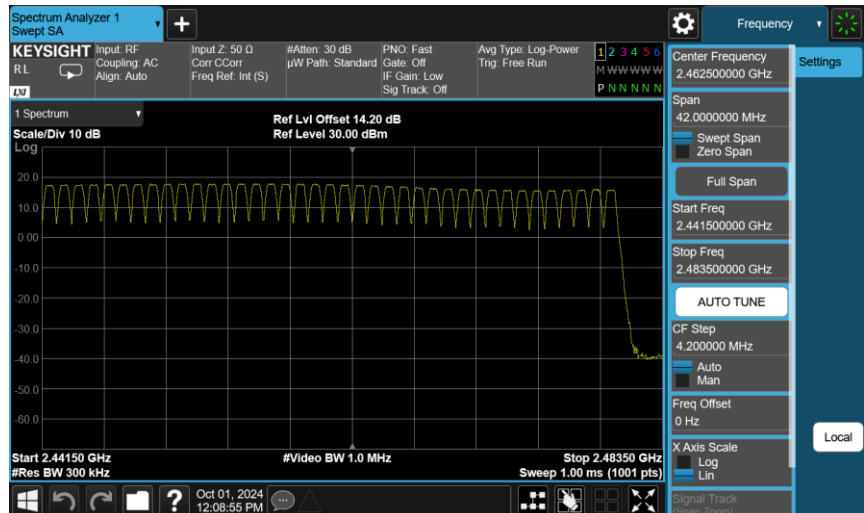
Number of Hopping

BT_GFSK

CH00 - CH39

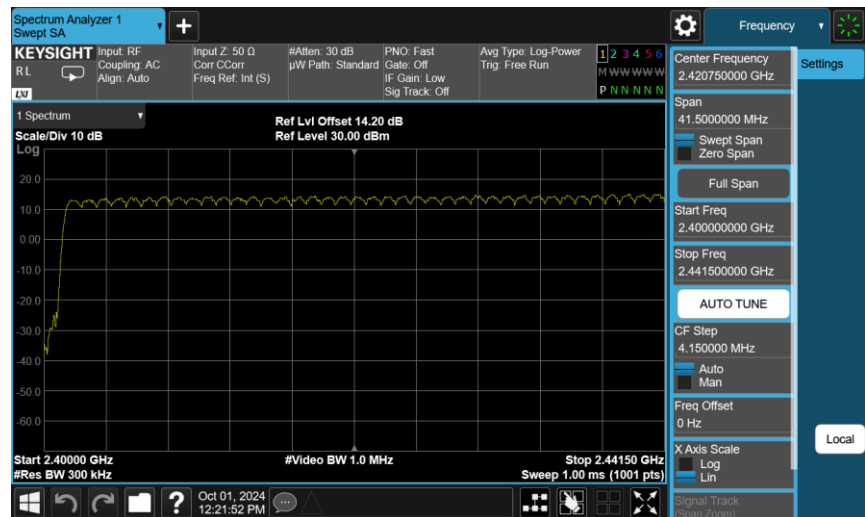


CH39- CH78

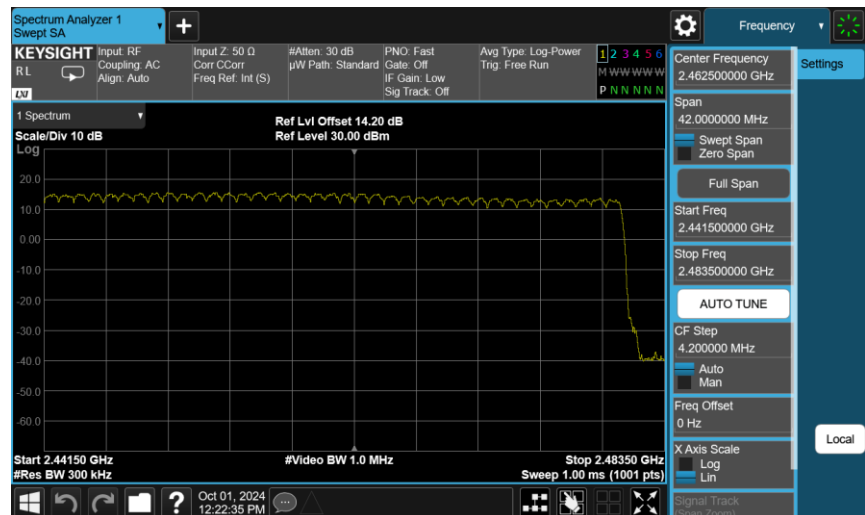


BT_8DPSK

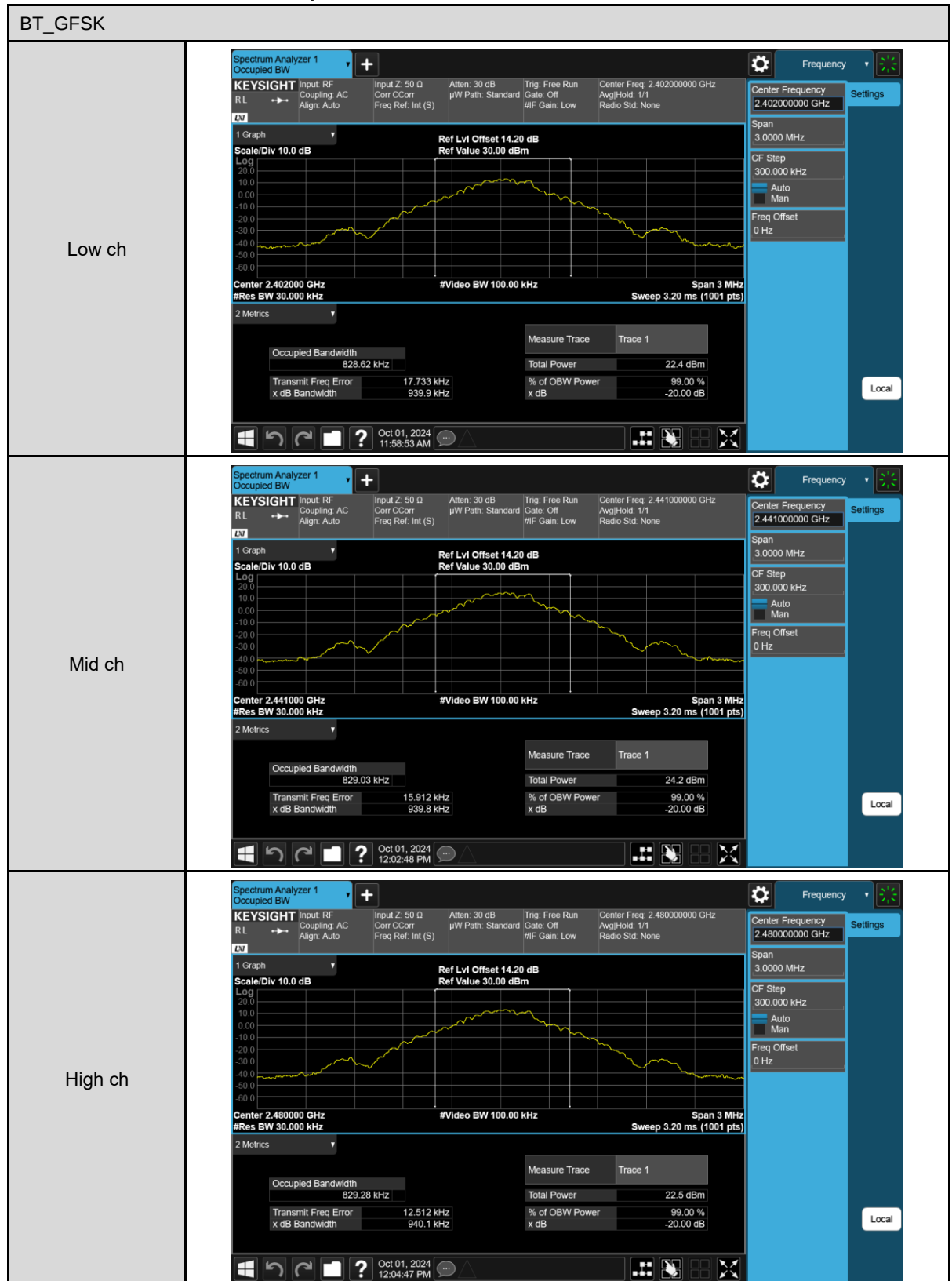
CH00 - CH39

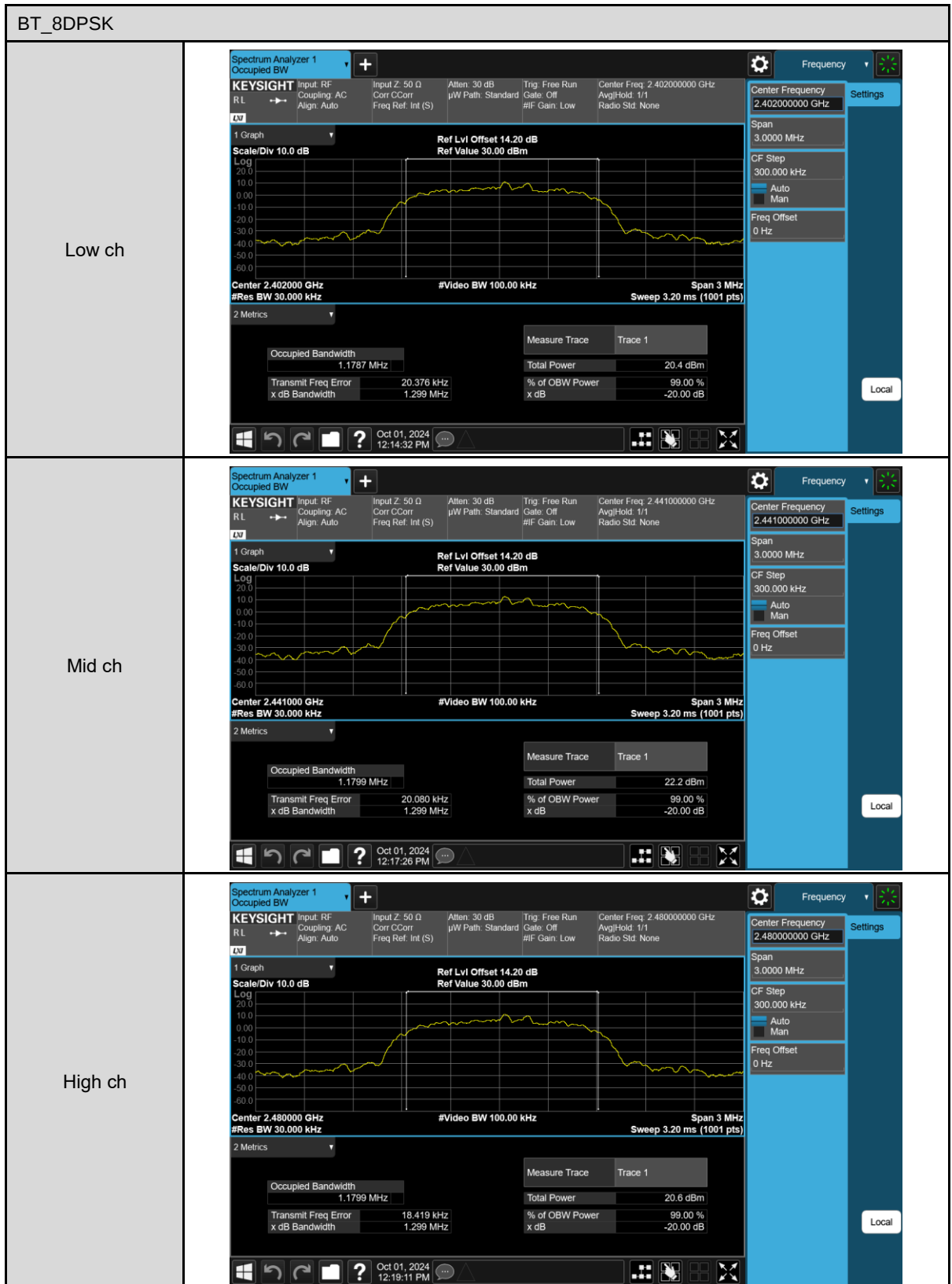


CH39- CH78

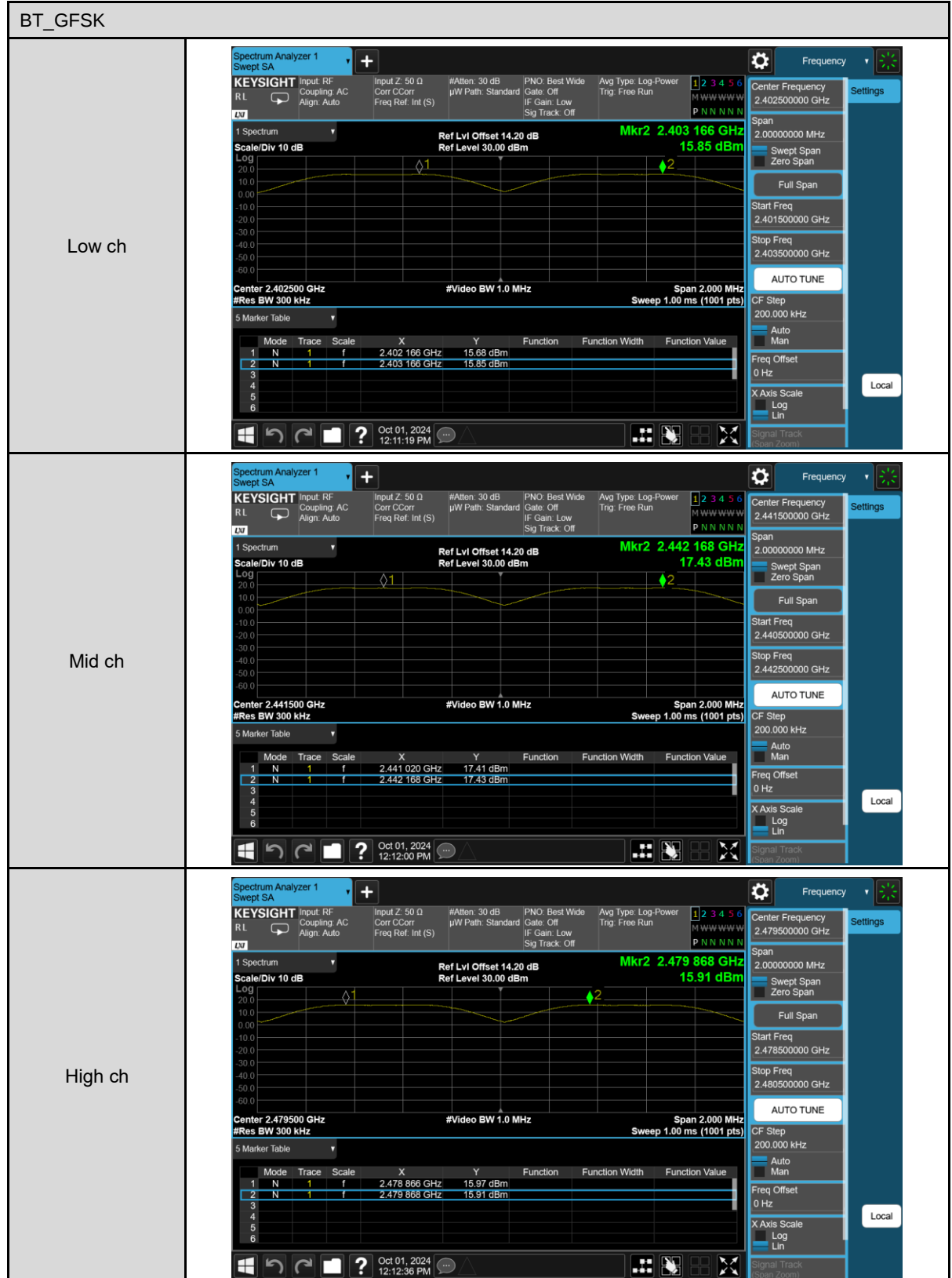


20 dB RF Bandwidth & 99 % Occupied Bandwidth



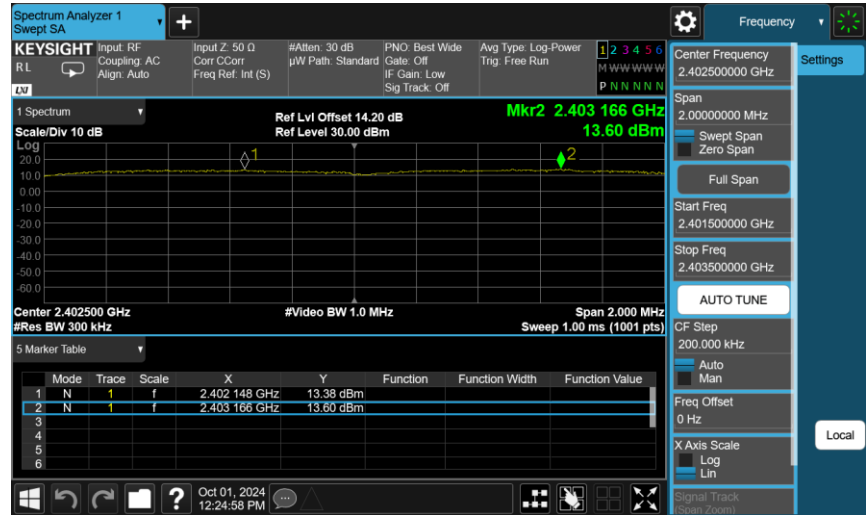


Carrier Frequency Separation

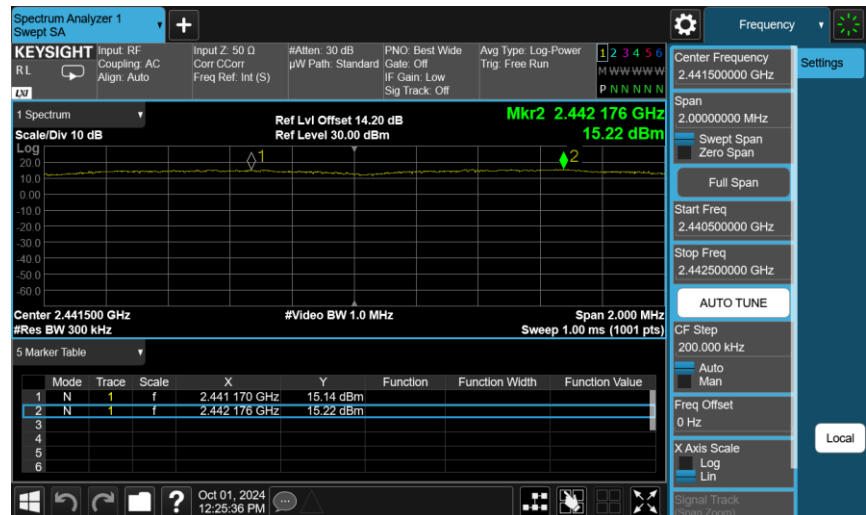


BT_8DPSK

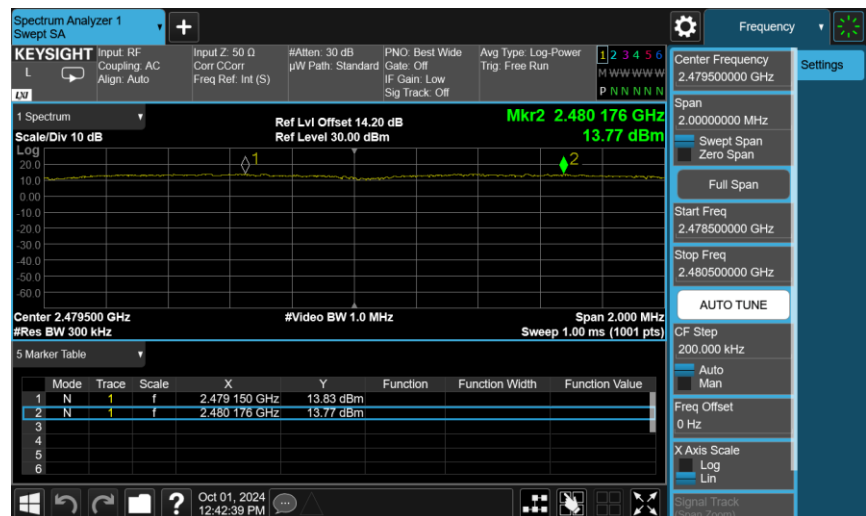
Low ch



Mid ch



High ch



Time of Occupancy (Dwell Time)

BT_GFSK

DH1

Spectrum Analyzer 1
Sweep SA

Spectrum Analyzer 2
Sweep SA

+

KEYSIGHT

Input RF
Coupling AC
Align Auto

Input Z 50 Ω
Corr CCorr
Freq Ref. Int (S)

Atten: 20 dB
μW Path: Standard

PN0: Fast
Gate: Off
IF Gain: Low
Sig Track: Off

Avg Type: Log-Power
Trig: Free Run

1 2 3 4 5 6
W W W W W W
P N N N N N

Center Frequency
2.402000000 GHz

Span
0.00000000 Hz

Sweep Span
Zero Span

Full Span

Start Freq
2.402000000 GHz

Stop Freq
2.402000000 GHz

AUTO TUNE

CF Step
1.000000 MHz

Auto
Man

Freq Offset
0 Hz

X Axis Scale
Log
Lin

Signal Track

Settings

1 Spectrum

Scale/Div 10 dB

Ref Level 10.00 dBm

ΔMkr3 1.250 ms
3.14 dB

Center 2.402000000 GHz
Res BW 1.0 MHz
Video BW 1.0 MHz
Sweep 5.00 ms (1001 pts)

5 Marker Table

	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value
1	Δ2	1	t	(Δ)	400.0 μs	(Δ)	1.80 dB	
2	F	1	t		635.0 μs	-65.25 dBm		
3	Δ4	1	t	(Δ)	1.250 ms	(Δ)	3.14 dB	
4	F	1	t		635.0 μs	-65.25 dBm		
5								
6								

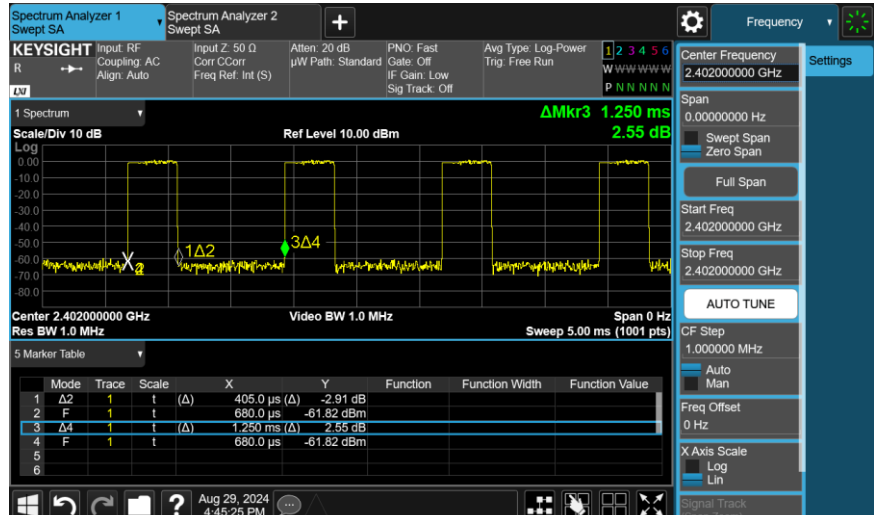
Aug 29, 2024
4:48:58 PM

?

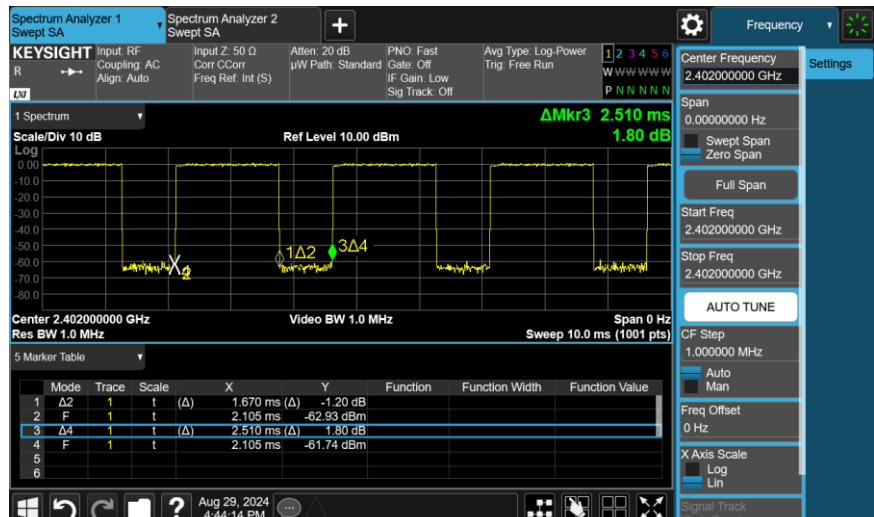
<

BT_8DPSK

3DH1



3DH3



3DH5

