

Appendix B. Test Plots

Right

Out of Band Conducted Spurious Emission

BT_GFSK

Low ch



Mid ch



High ch



BT_8DPSK

Low ch



Mid ch



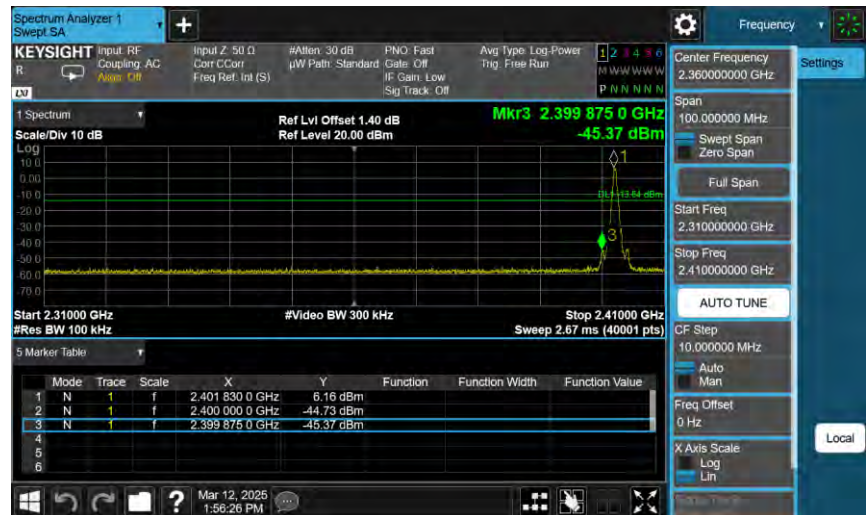
High ch



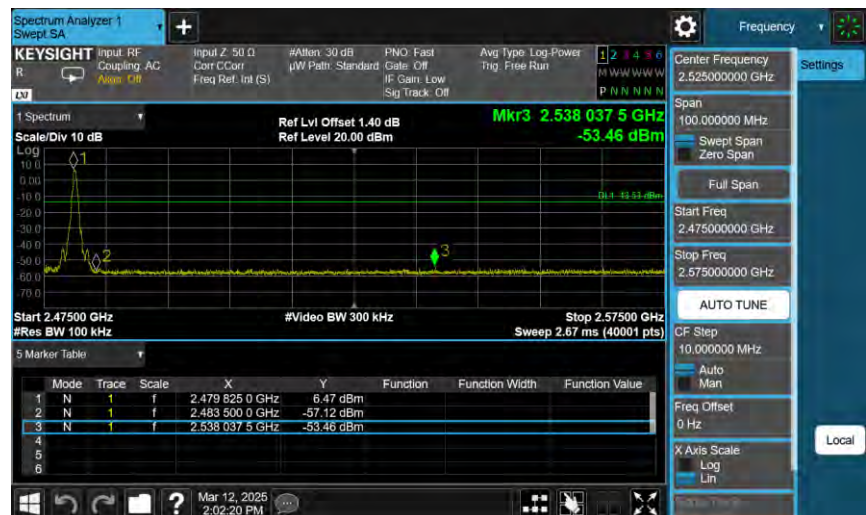
Conducted Band Edge

BT_GFSK_Non-Hopping

Low ch

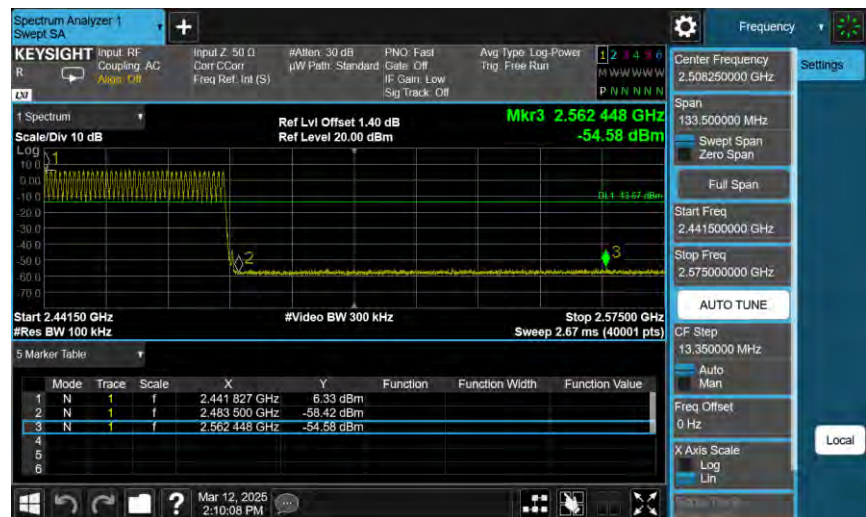
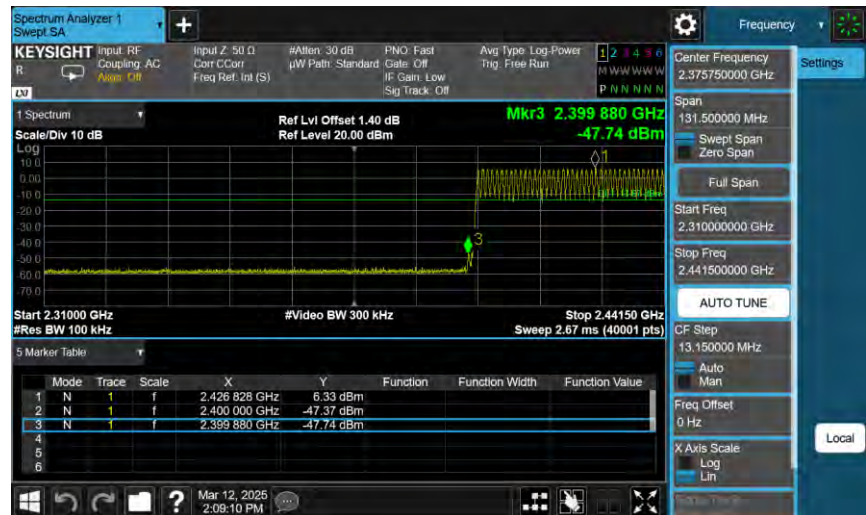


High ch



BT_GFSK_Hopping

Low ch-High ch

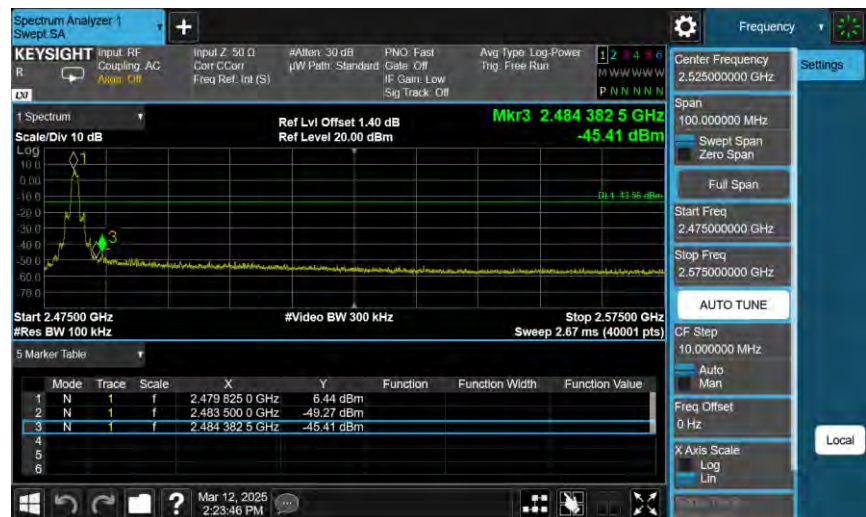


BT_8DPSK _Non-Hopping

Low ch

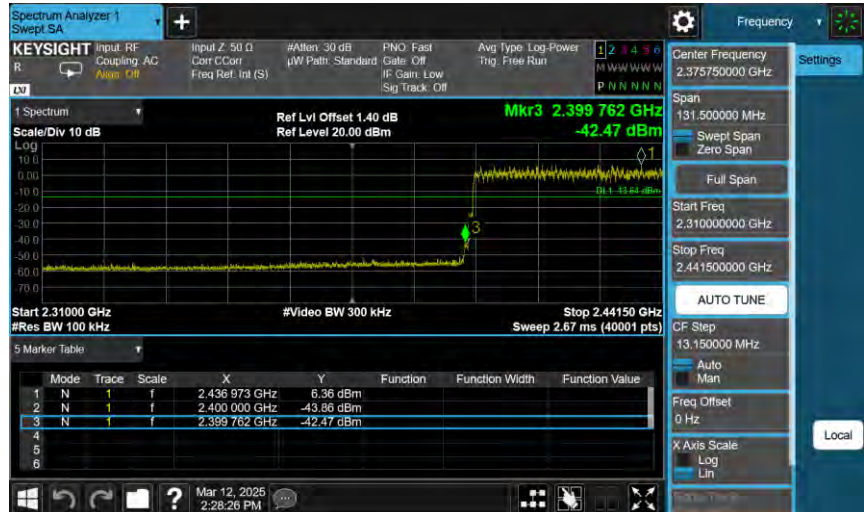


High ch



BT_8DPSK_Hopping

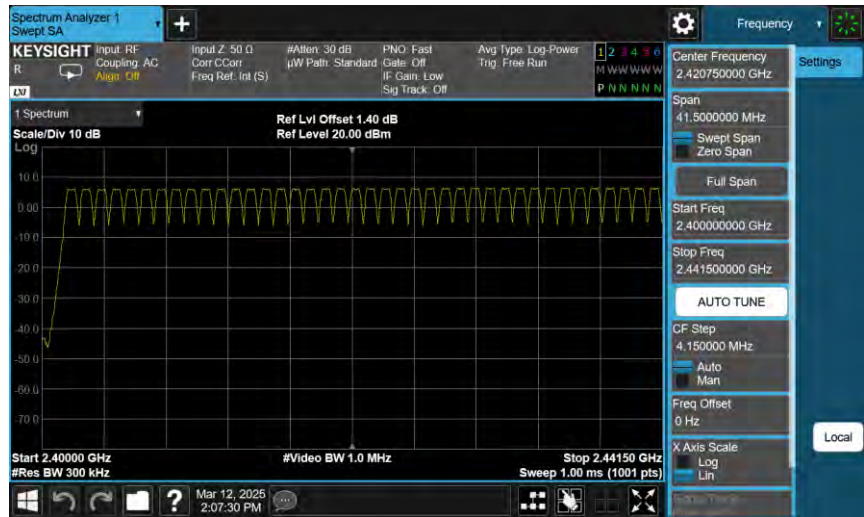
Low ch-High ch



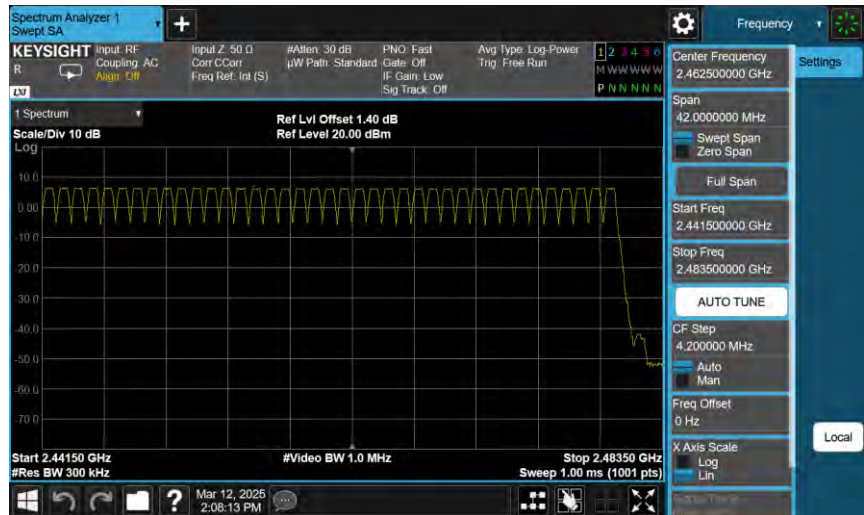
Number of Hopping

BT_GFSK

CH00 - CH39

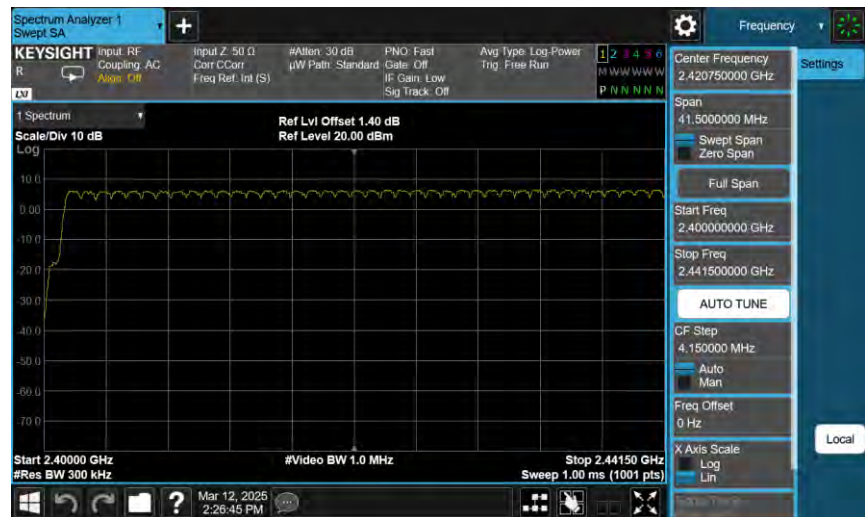


CH39- CH78

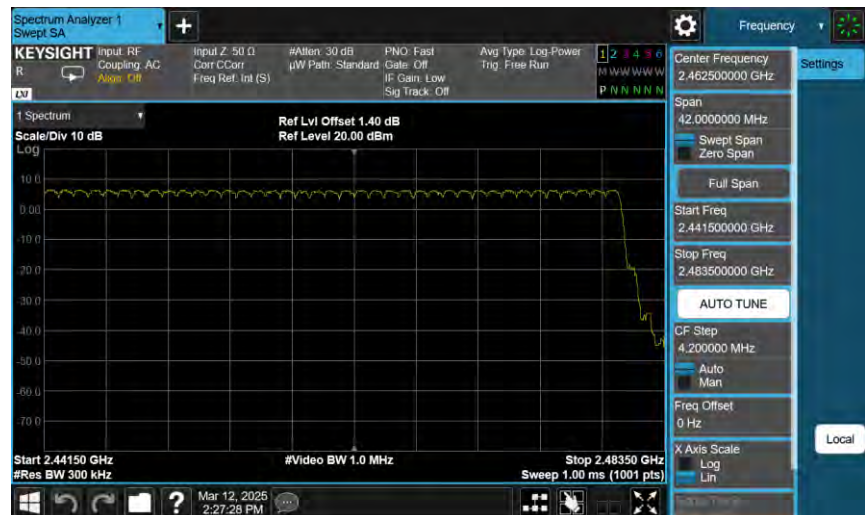


BT_8DPSK

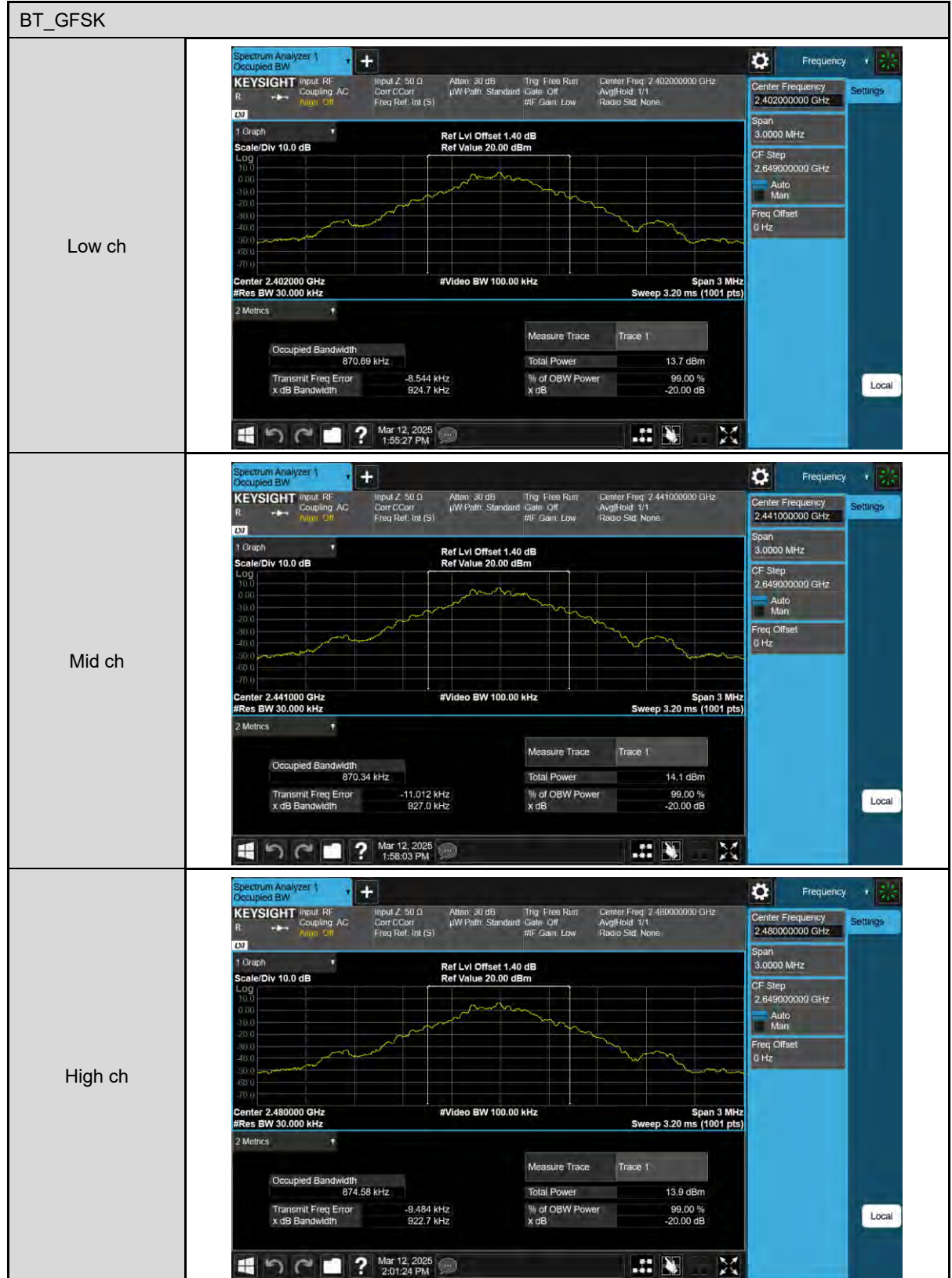
CH00 - CH39

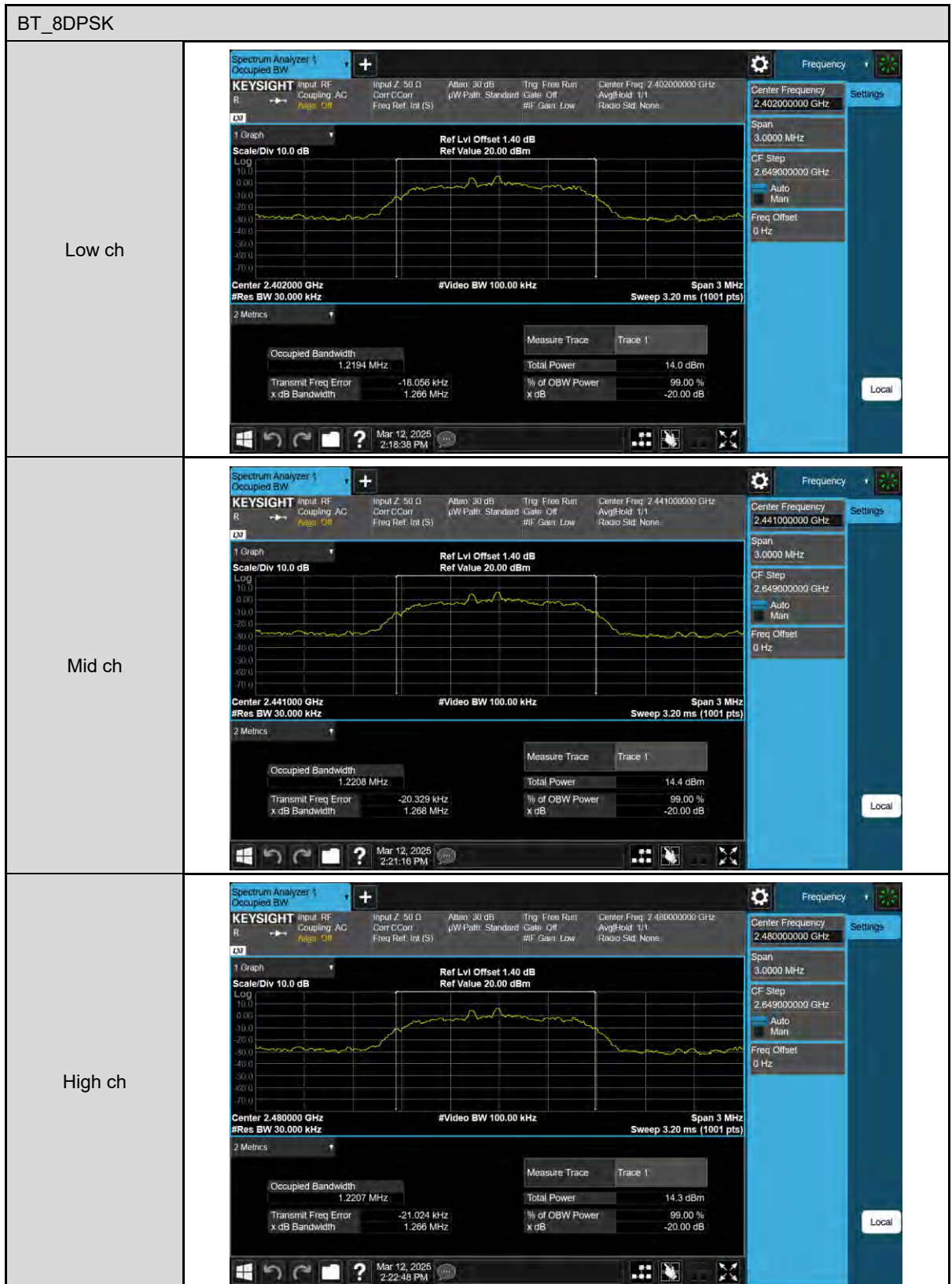


CH39- CH78



20 dB RF Bandwidth & 99 % Occupied Bandwidth



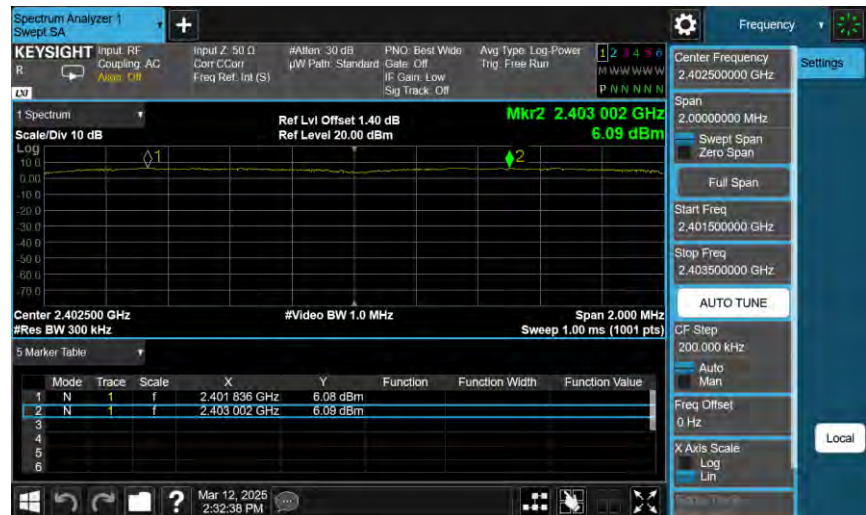


Carrier Frequency Separation

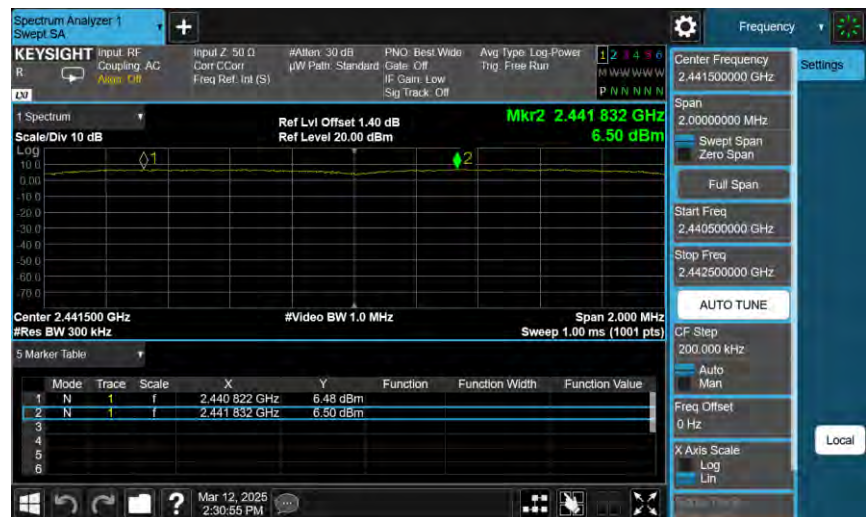
BT_GFSK Low ch	 Center Frequency 2.402500000 GHz Span 2.000000000 MHz Start Freq 2.401500000 GHz Stop Freq 2.403500000 GHz AUTO TUNE CF Step 200.000 kHz Freq Offset 0 Hz X Axis Scale Log Local
Mid ch	 Center Frequency 2.4415000 GHz Span 2.0000000 MHz Start Freq 2.440500000 GHz Stop Freq 2.442500000 GHz AUTO TUNE CF Step 200.000 kHz Freq Offset 0 Hz X Axis Scale Log Local
High ch	 Center Frequency 2.4795000 GHz Span 2.0000000 MHz Start Freq 2.478500000 GHz Stop Freq 2.480500000 GHz AUTO TUNE CF Step 200.000 kHz Freq Offset 0 Hz X Axis Scale Log Local

BT_8DPSK

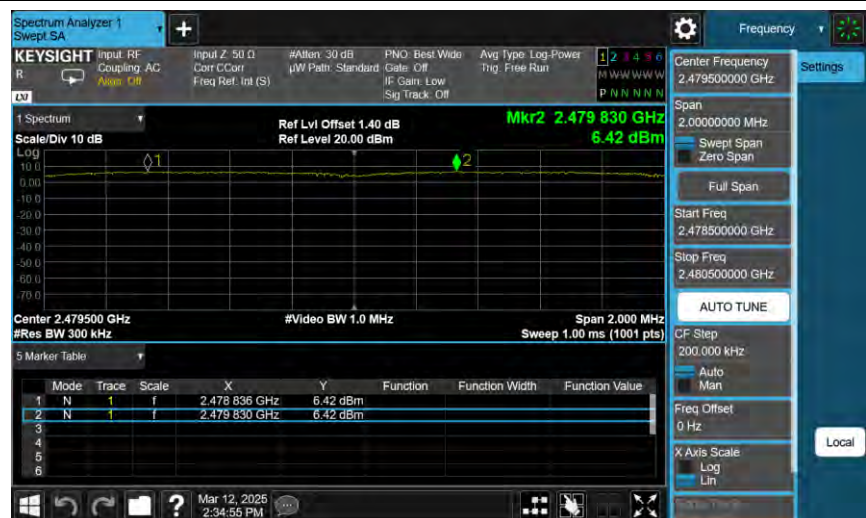
Low ch



Mid ch



High ch



Time of Occupancy (Dwell Time)

BT_GFSK																																																									
DH1	<table border="1"><thead><tr><th>Mode</th><th>Trace</th><th>Scale</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>N</td><td>1</td><td>t</td><td>340.0 μs</td><td>-52.63 dBm</td><td></td><td></td></tr><tr><td>2</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>491.0 μs (Δ)</td><td>-2.18 dB</td><td></td><td></td></tr><tr><td>3</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>1.586 ms (Δ)</td><td>-1.15 dB</td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	t	340.0 μs	-52.63 dBm			2	Δ1	1	t (Δ)	491.0 μs (Δ)	-2.18 dB			3	Δ1	1	t (Δ)	1.586 ms (Δ)	-1.15 dB			4								5								6							
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DH3	<table border="1"><thead><tr><th>Mode</th><th>Trace</th><th>Scale</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>N</td><td>1</td><td>t</td><td>382.0 μs</td><td>-53.63 dBm</td><td></td><td></td></tr><tr><td>2</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>1.754 ms (Δ)</td><td>-1.58 dB</td><td></td><td></td></tr><tr><td>3</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>2.846 ms (Δ)</td><td>1.80 dB</td><td></td><td></td></tr><tr><td>4</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>5</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></tbody></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	t	382.0 μs	-53.63 dBm			2	Δ1	1	t (Δ)	1.754 ms (Δ)	-1.58 dB			3	Δ1	1	t (Δ)	2.846 ms (Δ)	1.80 dB			4								5								6							
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BT_8DPSK																																	
3DH1	Center Frequency 2.402000000 GHz Span 0.00000000 Hz Swept 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 <table><tr><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>t</td><td>282.0 μs</td><td>-54.15 dBm</td><td></td><td></td></tr><tr><td>2</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>504.0 μs (Δ)</td><td>1.06 dB</td><td></td><td></td></tr><tr><td>3</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>1.596 ms (Δ)</td><td>2.31 dB</td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	t	282.0 μs	-54.15 dBm			2	Δ1	1	t (Δ)	504.0 μs (Δ)	1.06 dB			3	Δ1	1	t (Δ)	1.596 ms (Δ)	2.31 dB		
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3DH3	Center Frequency 2.402000000 GHz Span 0.00000000 Hz Swept 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 <table><tr><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>t</td><td>412.0 μs</td><td>-51.08 dBm</td><td></td><td></td></tr><tr><td>2</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>1.784 ms (Δ)</td><td>-2.57 dB</td><td></td><td></td></tr><tr><td>3</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>2.866 ms (Δ)</td><td>-2.74 dB</td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	t	412.0 μs	-51.08 dBm			2	Δ1	1	t (Δ)	1.784 ms (Δ)	-2.57 dB			3	Δ1	1	t (Δ)	2.866 ms (Δ)	-2.74 dB		
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3DH5	Center Frequency 2.402000000 GHz Span 0.00000000 Hz Swept 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 <table><tr><th>Mode</th><th>Trace</th><th>Scale</th><th>X</th><th>Y</th><th>Function</th><th>Function Width</th><th>Function Value</th></tr><tr><td>1</td><td>N</td><td>1</td><td>t</td><td>1.282 ms</td><td>-54.41 dBm</td><td></td><td></td></tr><tr><td>2</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>3.014 ms (Δ)</td><td>1.08 dB</td><td></td><td></td></tr><tr><td>3</td><td>Δ1</td><td>1</td><td>t (Δ)</td><td>4.081 ms (Δ)</td><td>0.95 dB</td><td></td><td></td></tr></table>	Mode	Trace	Scale	X	Y	Function	Function Width	Function Value	1	N	1	t	1.282 ms	-54.41 dBm			2	Δ1	1	t (Δ)	3.014 ms (Δ)	1.08 dB			3	Δ1	1	t (Δ)	4.081 ms (Δ)	0.95 dB		
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Left

Out of Band Conducted Spurious Emission

BT_GFSK

Low ch



Mid ch



High ch



BT_8DPSK

Low ch



Mid ch



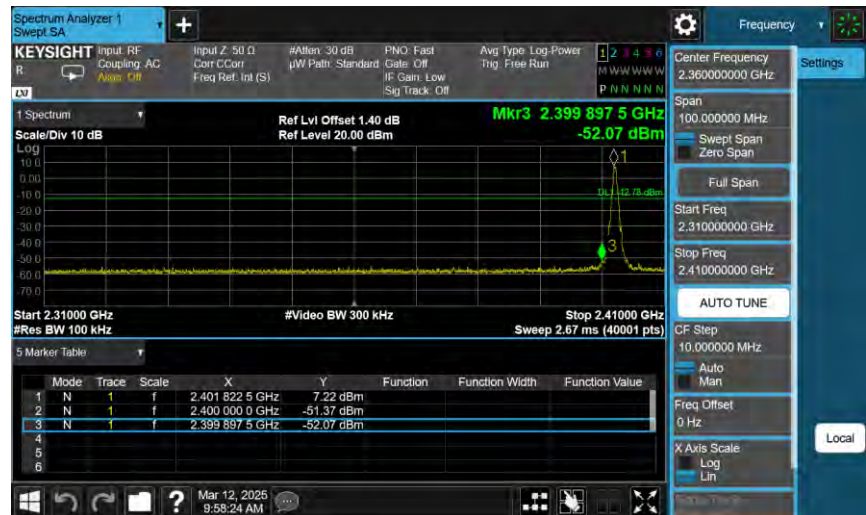
High ch



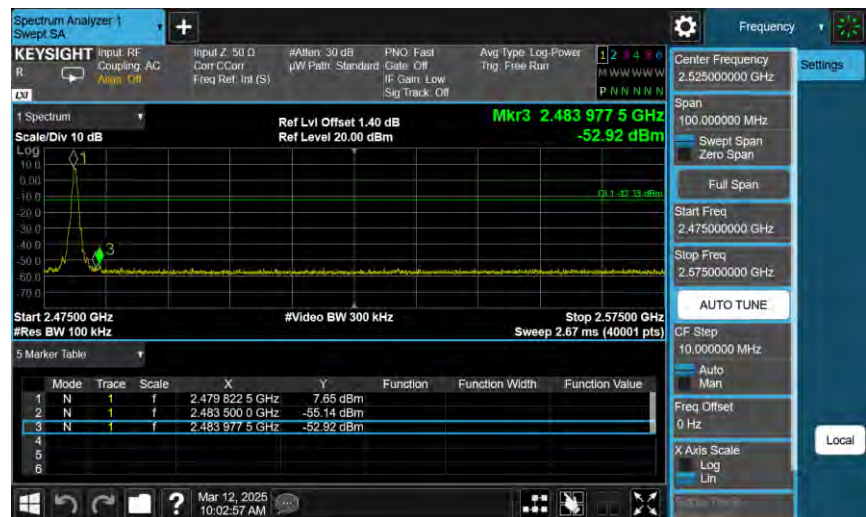
Conducted Band Edge

BT_GFSK_Non-Hopping

Low ch

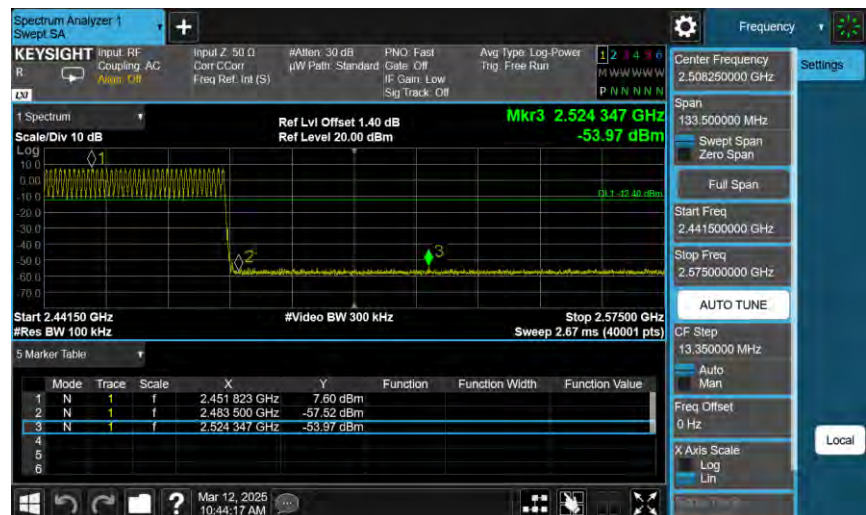
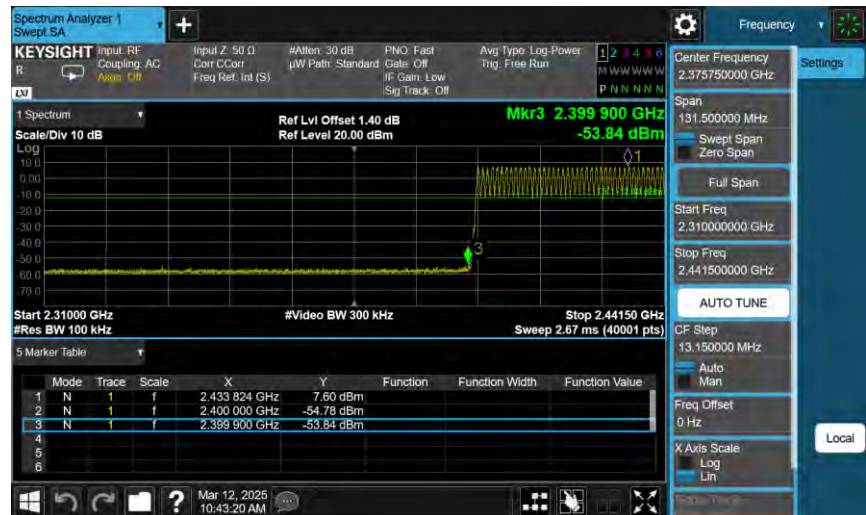


High ch



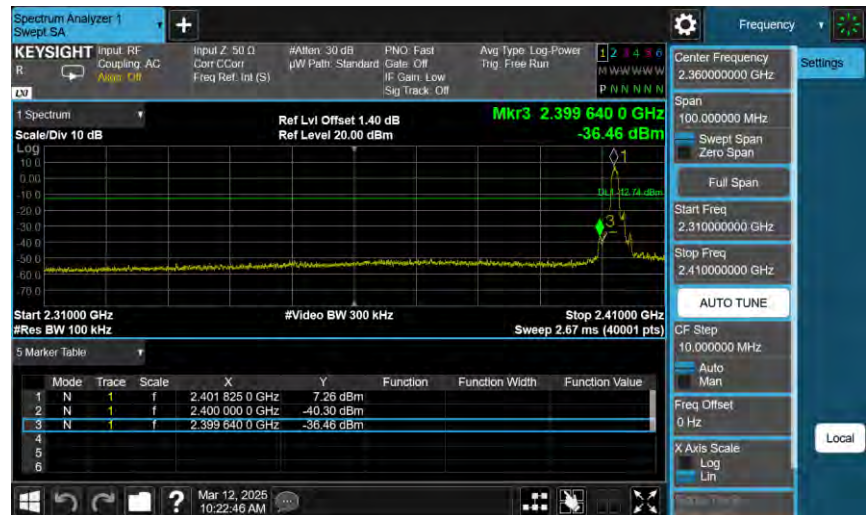
BT_GFSK_Hopping

Low ch-High ch

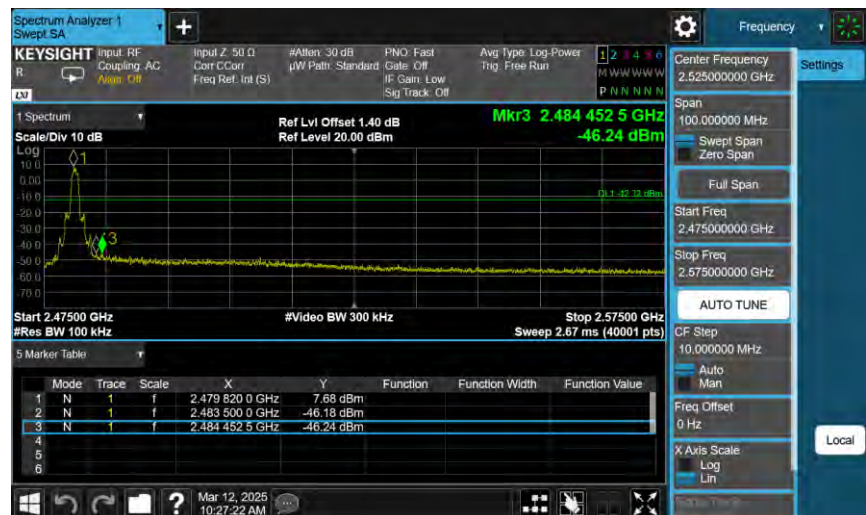


BT_8DPSK _Non-Hopping

Low ch



High ch



BT_8DPSK_Hopping

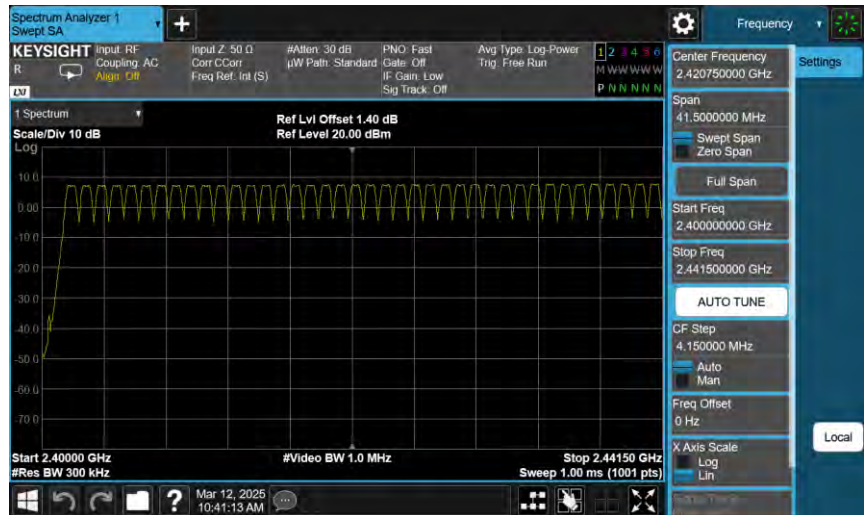
Low ch-High ch



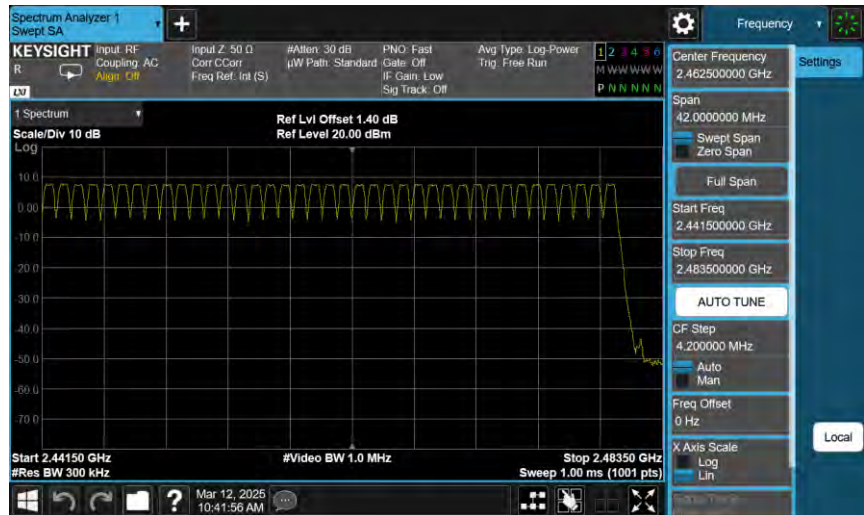
Number of Hopping

BT_GFSK

CH00 - CH39

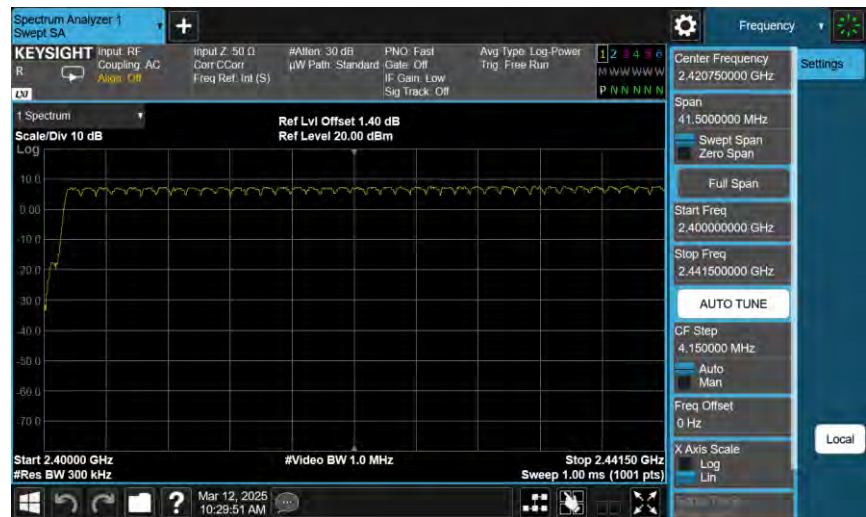


CH39- CH78

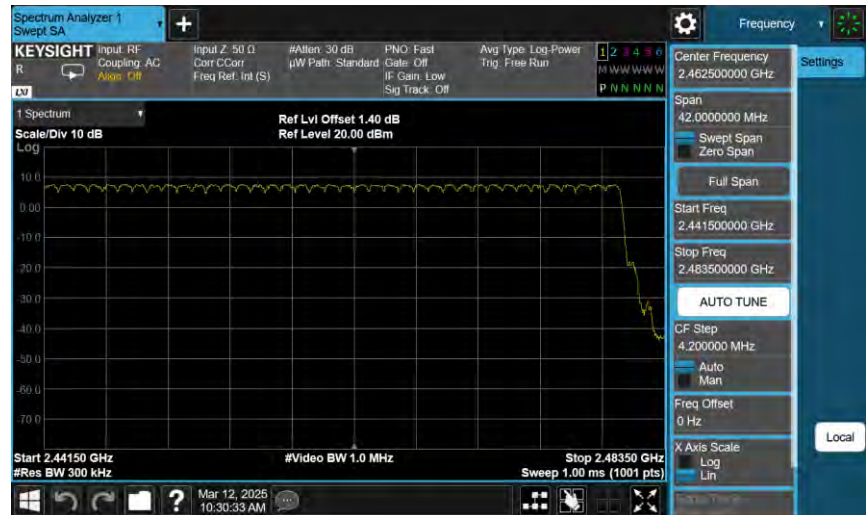


BT_8DPSK

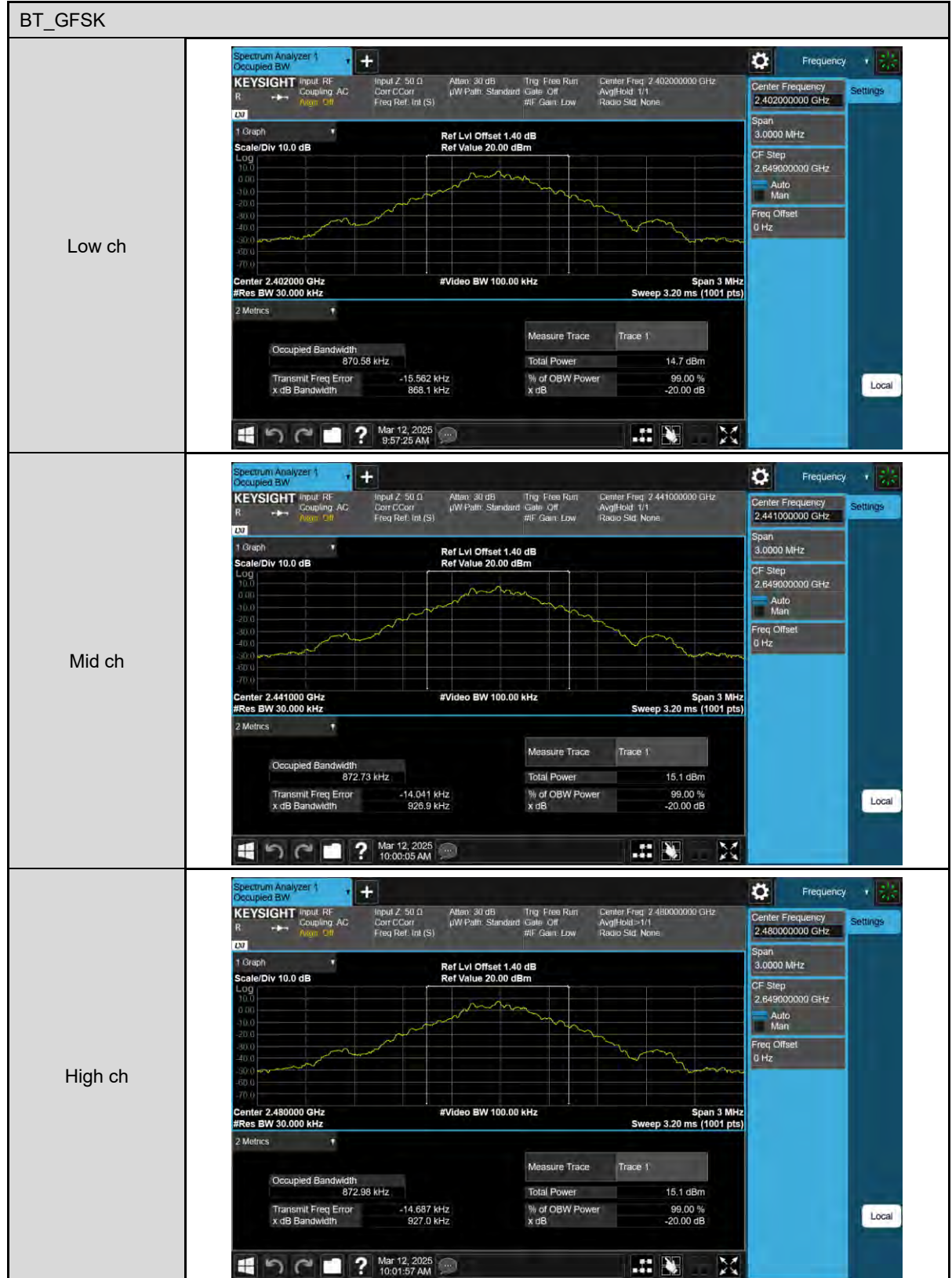
CH00 - CH39

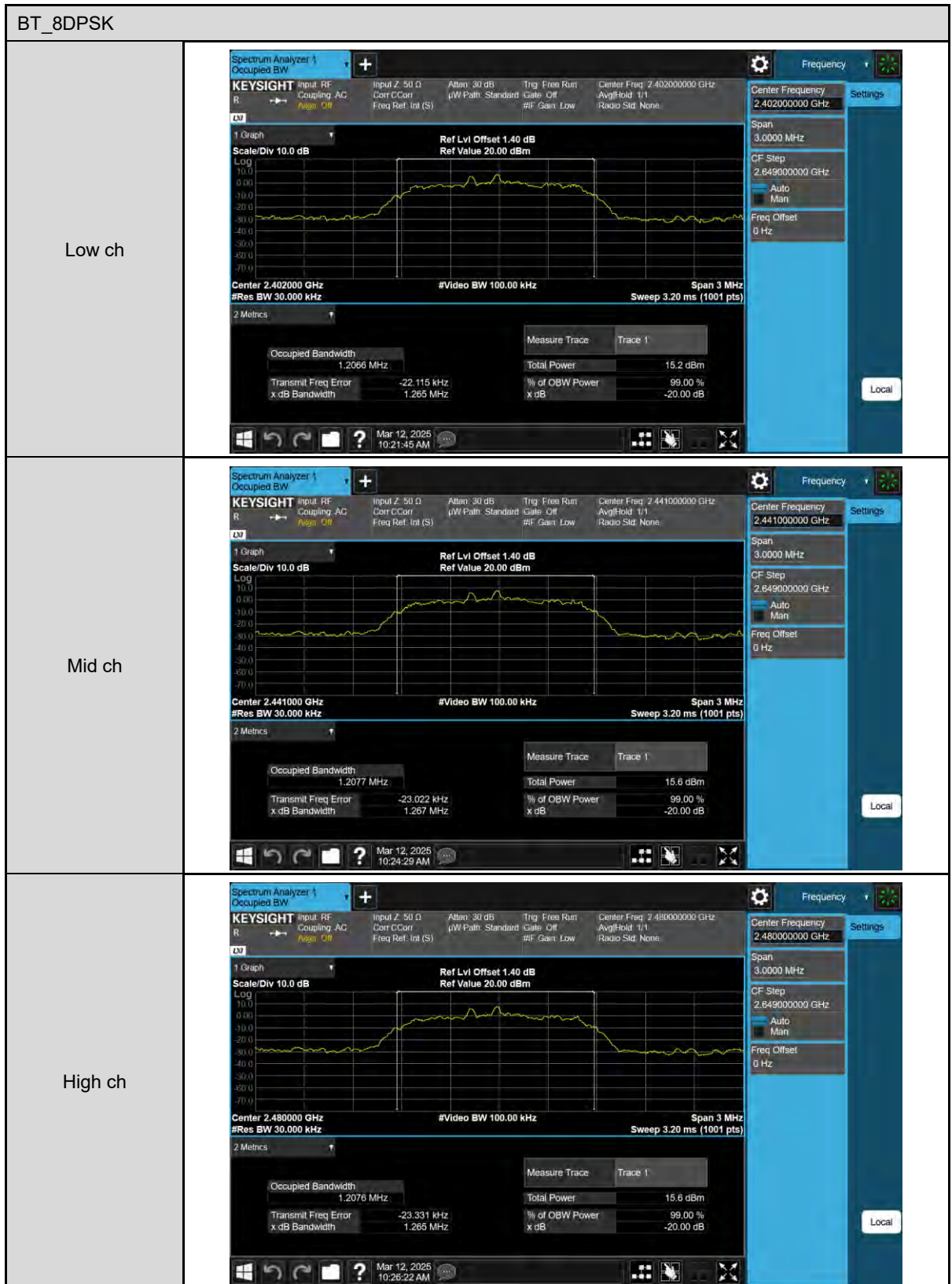


CH39- CH78

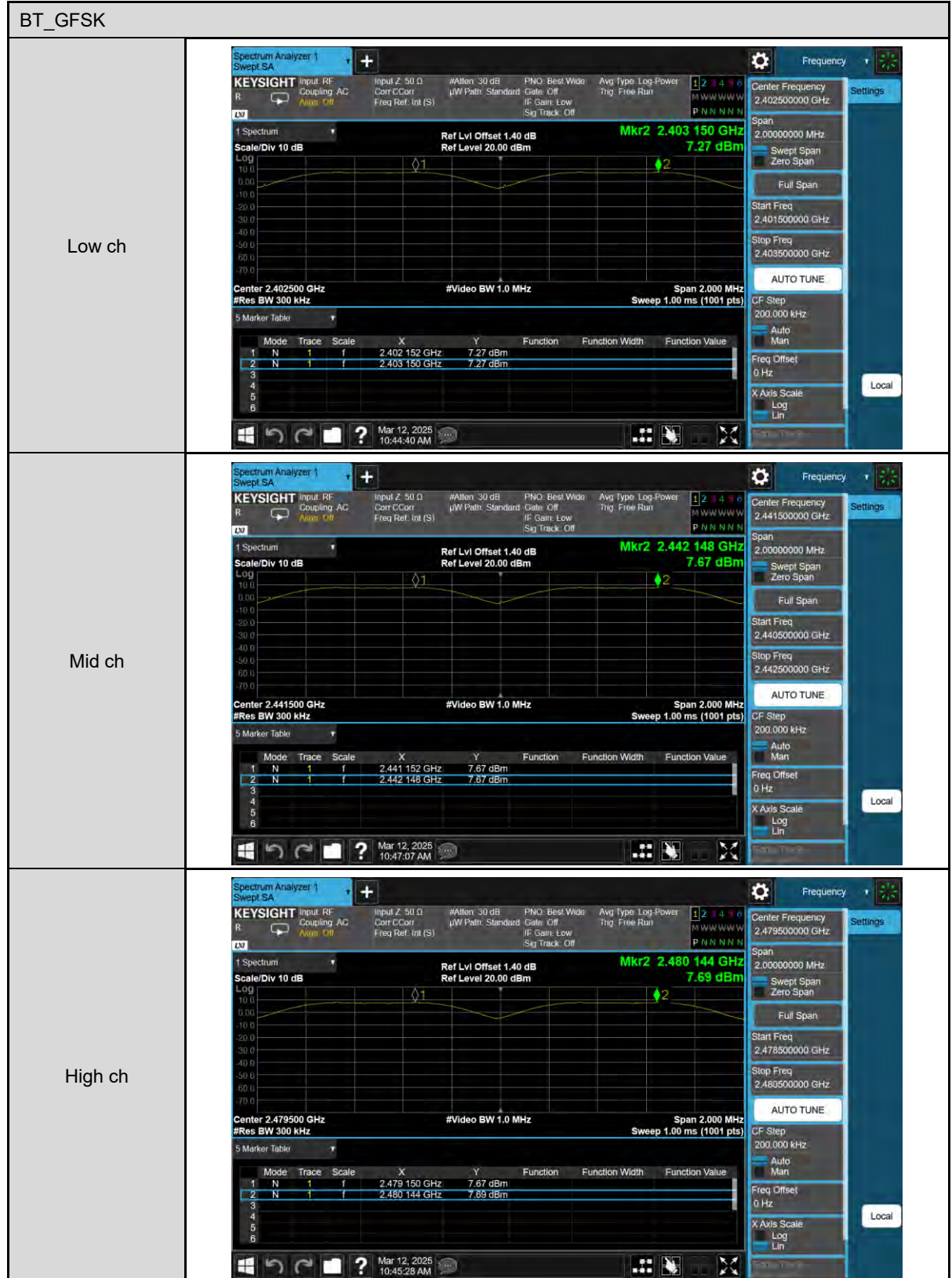


20 dB RF Bandwidth & 99 % Occupied Bandwidth





Carrier Frequency Separation



BT_8DPSK

Low ch



Mid ch



High ch

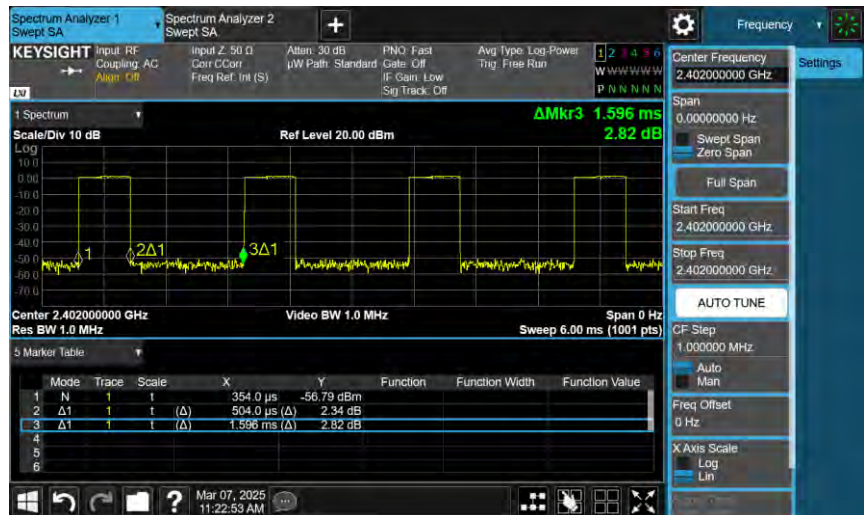


Time of Occupancy (Dwell Time)

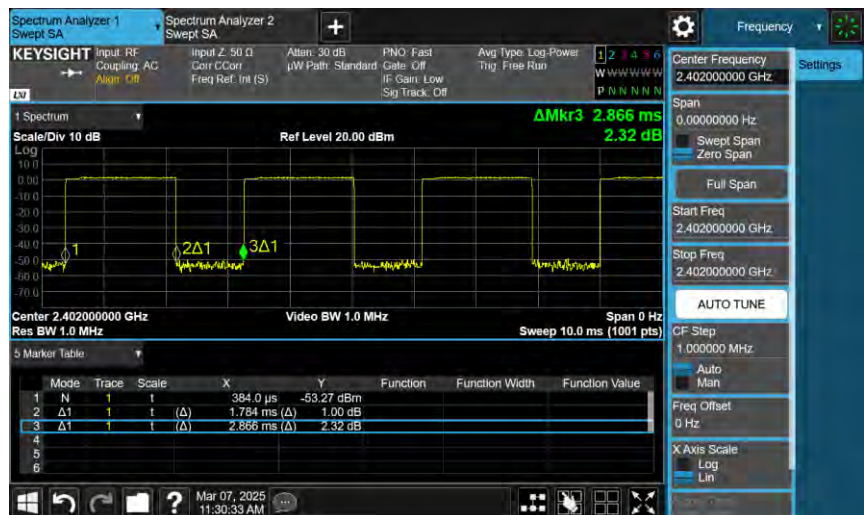
BT_GFSK	
DH1	
DH3	
DH5	

BT_8DPSK

3DH1



3DH3



3DH5

