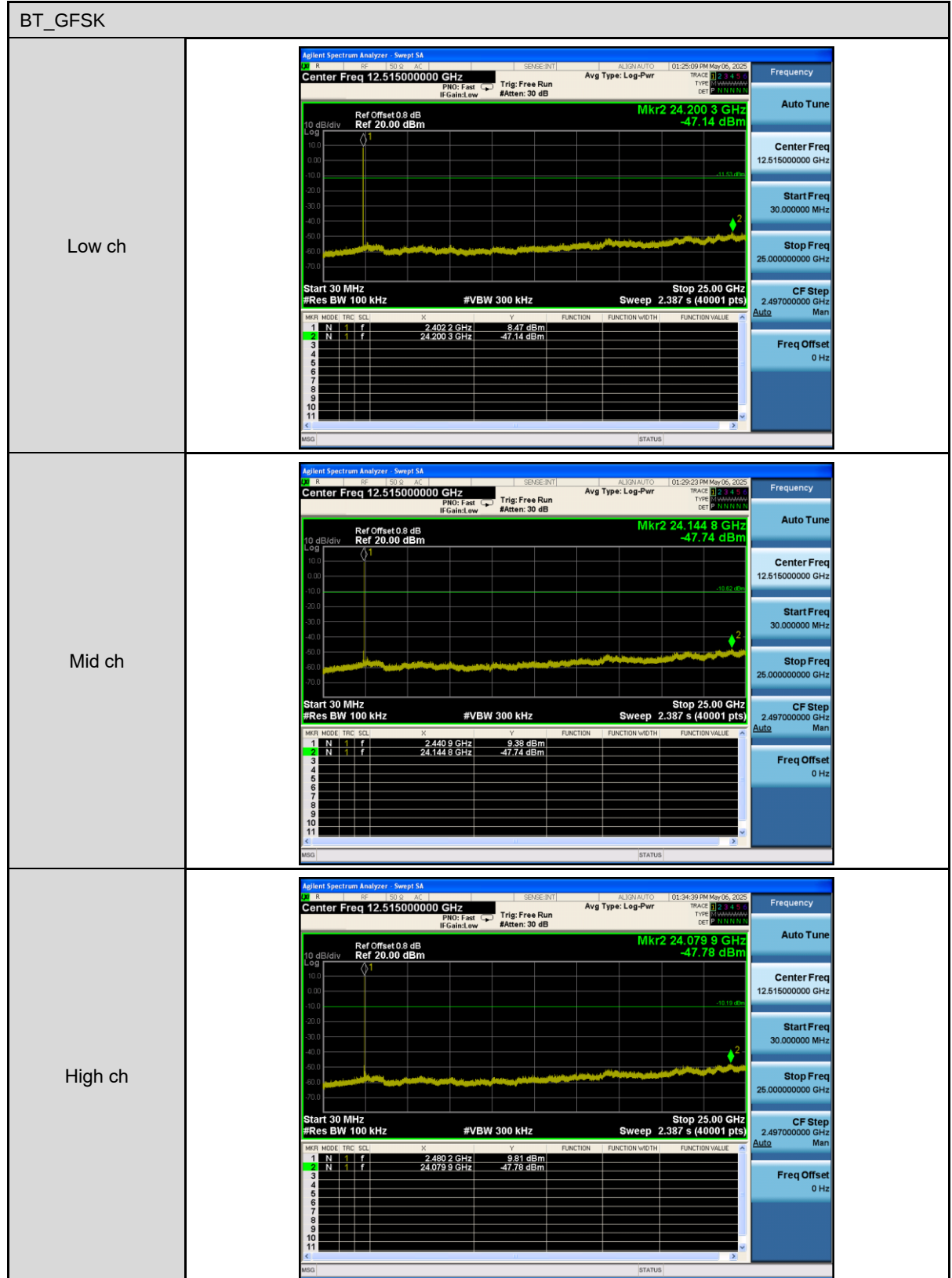


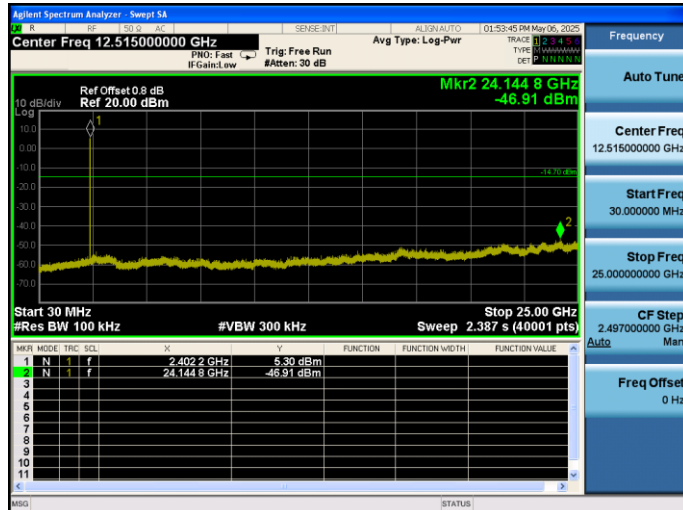
Appendix B. Test Plots

Out of Band Conducted Spurious Emission

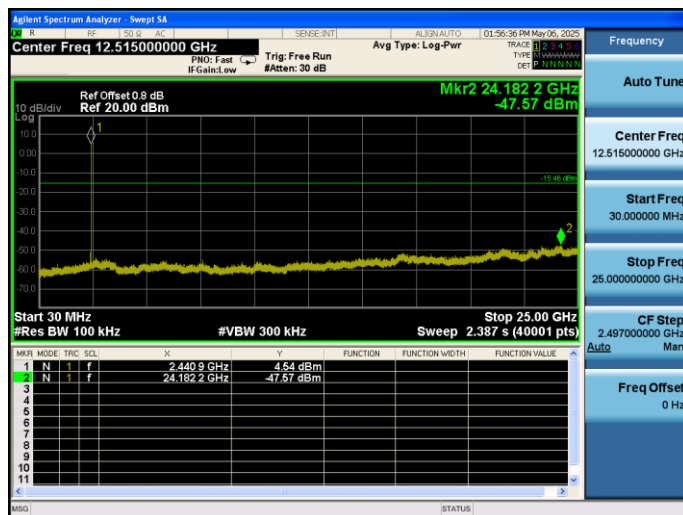


BT_8DPSK

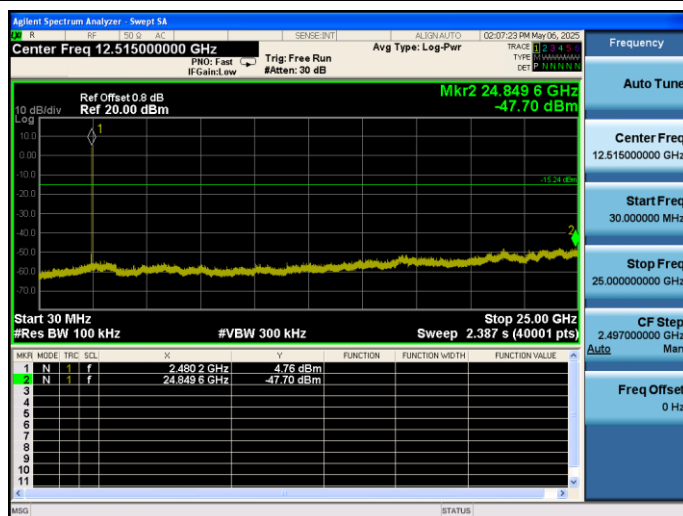
Low ch



Mid ch



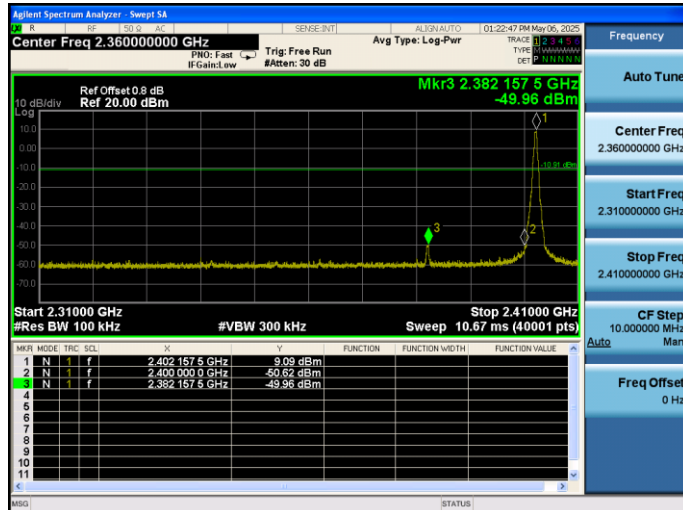
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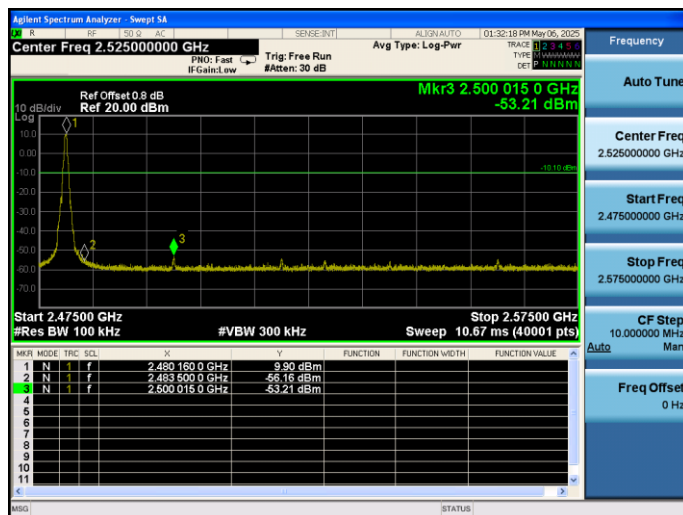
Conducted Band Edge

BT_GFSK_Non-Hopping

Low ch

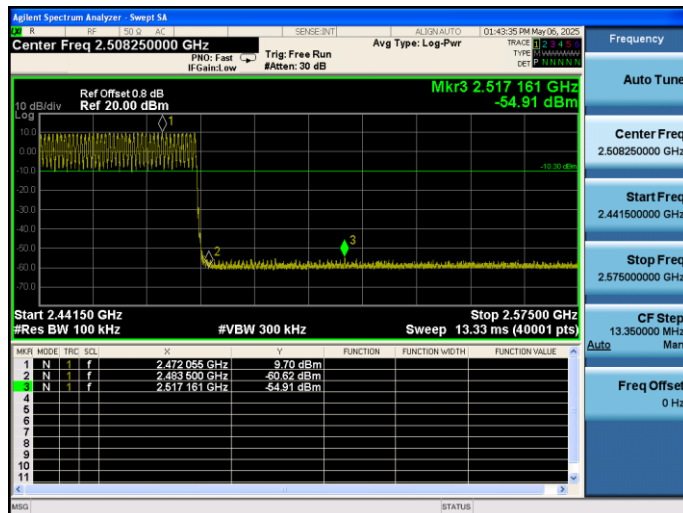
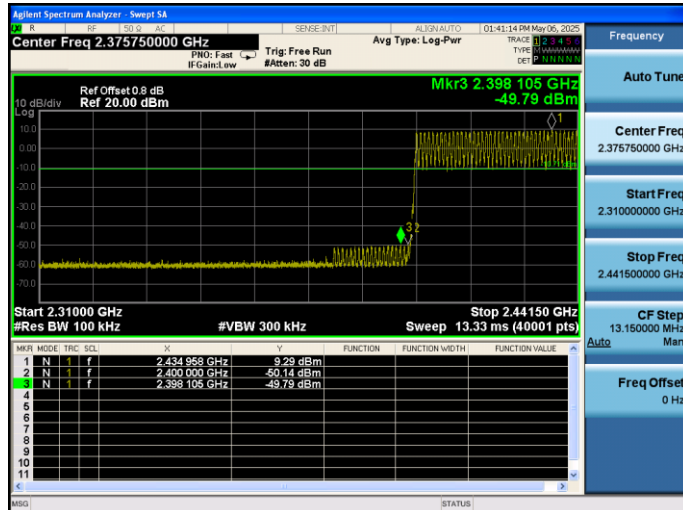


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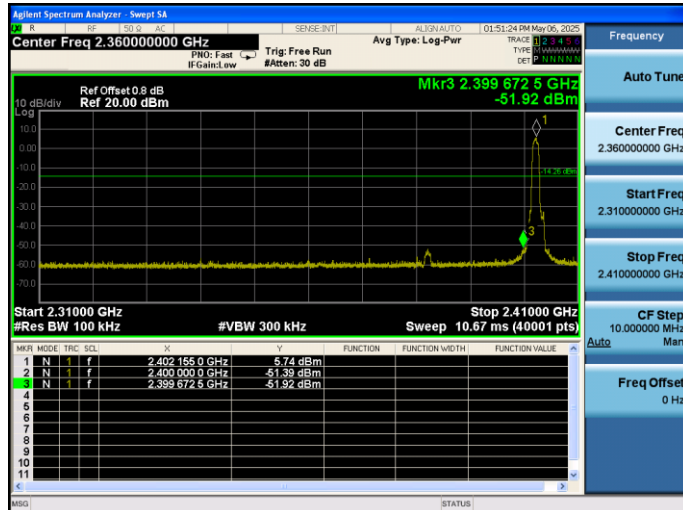
BT_GFSK_Hopping

Low ch-High ch

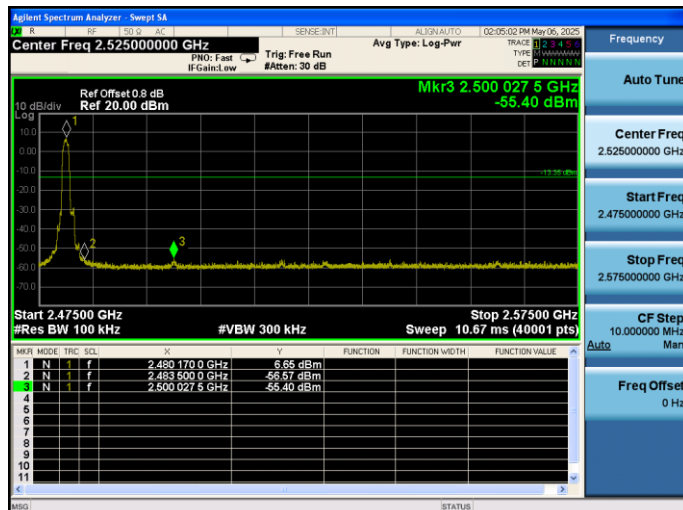


BT_8DPSK _Non-Hopping

Low ch

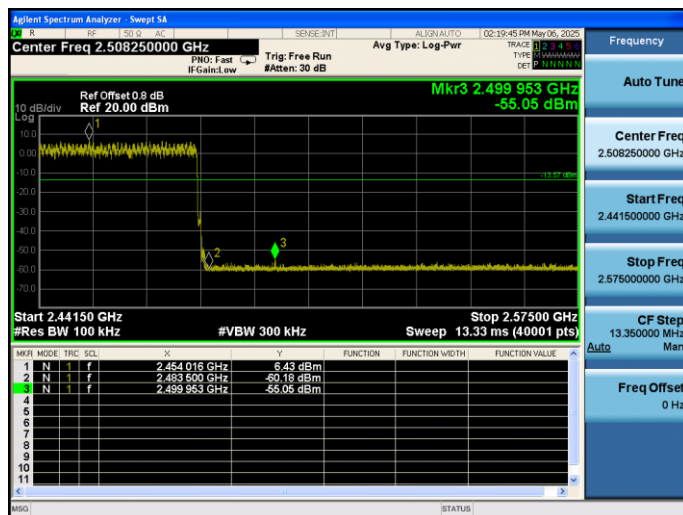
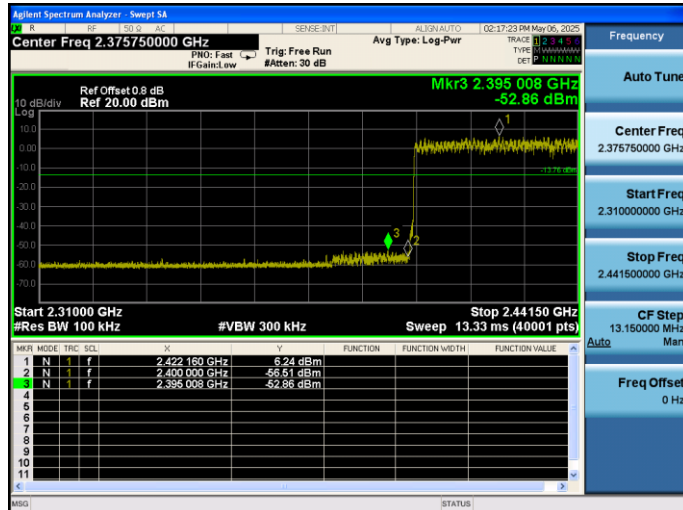


High ch



BT_8DPSK_Hopping

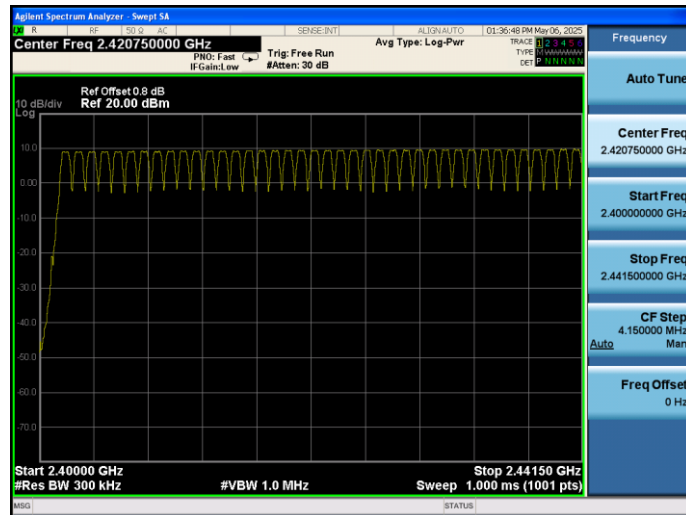
Low ch-High ch



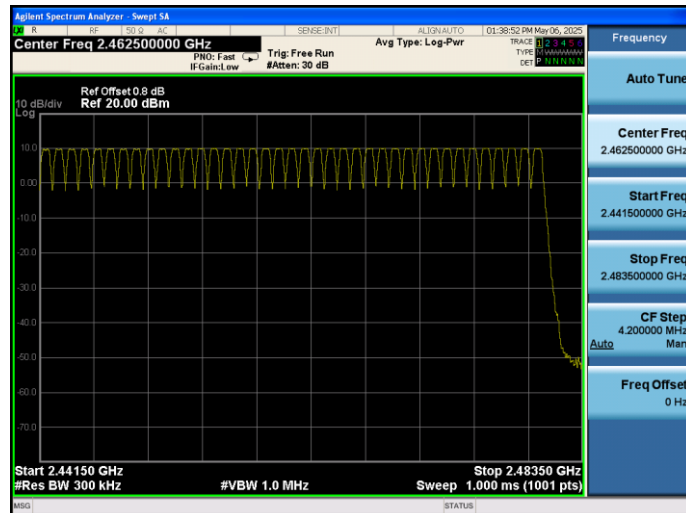
Number of Hopping

BT_GFSK

CH00 - CH39

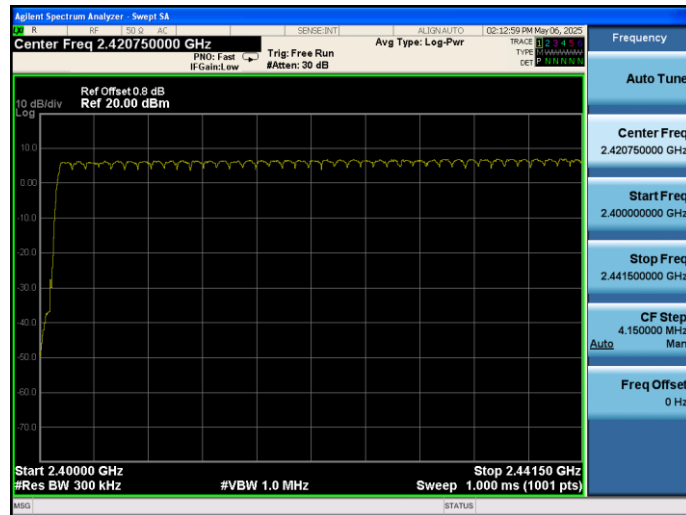


CH39- CH78

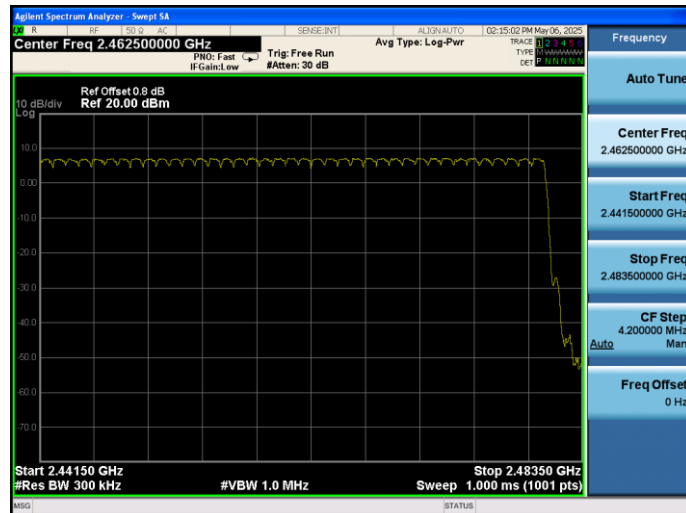


BT_8DPSK

CH00 - CH39

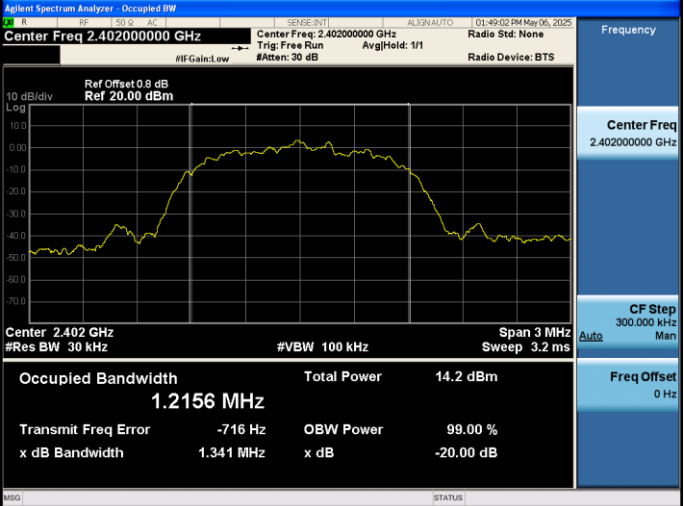
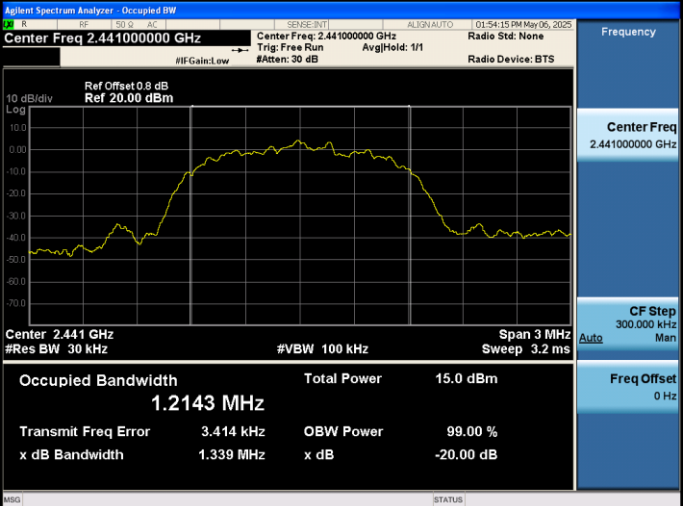
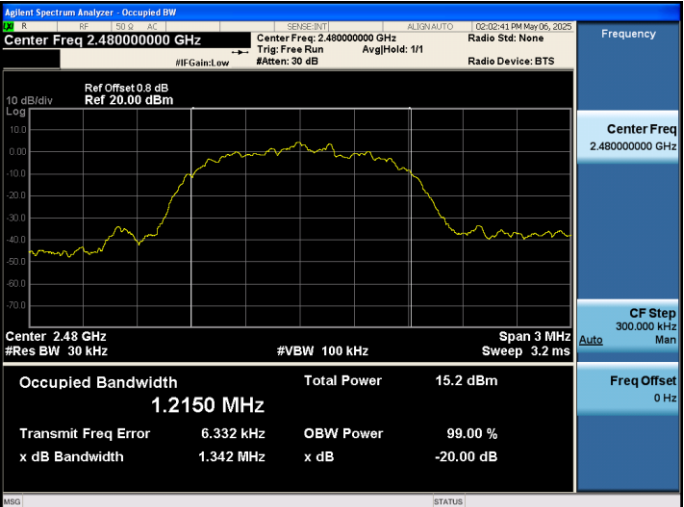


CH39- CH78



20 dB RF Bandwidth & 99 % Occupied Bandwidth

BT_GFSK	
Low ch	Agilent Spectrum Analyzer - Occupied BW Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm Center 2.402 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 892.30 kHz Total Power 16.7 dBm Transmit Freq Error 3.571 kHz OBW Power 99.00 % x dB Bandwidth 961.0 kHz x dB -20.00 dB
Mid ch	Agilent Spectrum Analyzer - Occupied BW Center Freq 2.441000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm Center 2.441 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 901.76 kHz Total Power 17.2 dBm Transmit Freq Error 6.970 kHz OBW Power 99.00 % x dB Bandwidth 1.005 MHz x dB -20.00 dB
High ch	Agilent Spectrum Analyzer - Occupied BW Center Freq 2.480000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm Center 2.48 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 901.13 kHz Total Power 17.6 dBm Transmit Freq Error 7.927 kHz OBW Power 99.00 % x dB Bandwidth 1.044 MHz x dB -20.00 dB

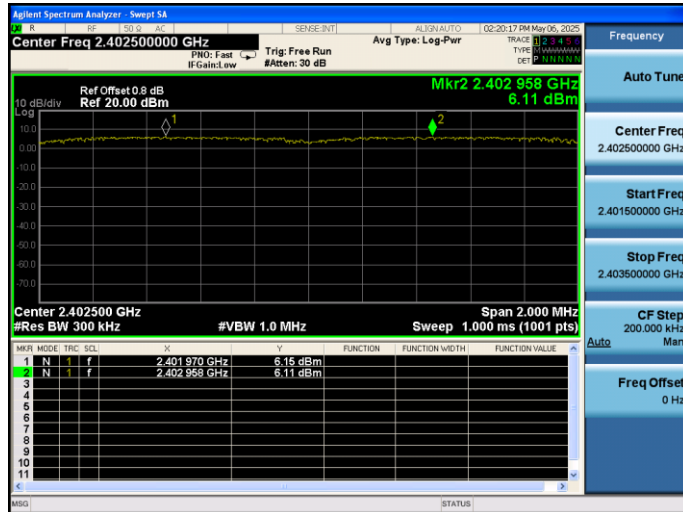
BT_8DPSK	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.402000000 GHz Ref Offset: 0.8 dB Ref: 20.00 dBm Occupied Bandwidth: 1.2156 MHz Total Power: 14.2 dBm Transmit Freq Error: -716 Hz OBW Power: 99.00 % x dB Bandwidth: 1.341 MHz x dB: -20.00 dB
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.441000000 GHz Ref Offset: 0.8 dB Ref: 20.00 dBm Occupied Bandwidth: 1.2143 MHz Total Power: 15.0 dBm Transmit Freq Error: 3.414 kHz OBW Power: 99.00 % x dB Bandwidth: 1.339 MHz x dB: -20.00 dB
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.480000000 GHz Ref Offset: 0.8 dB Ref: 20.00 dBm Occupied Bandwidth: 1.2150 MHz Total Power: 15.2 dBm Transmit Freq Error: 6.332 kHz OBW Power: 99.00 % x dB Bandwidth: 1.342 MHz x dB: -20.00 dB

Carrier Frequency Separation

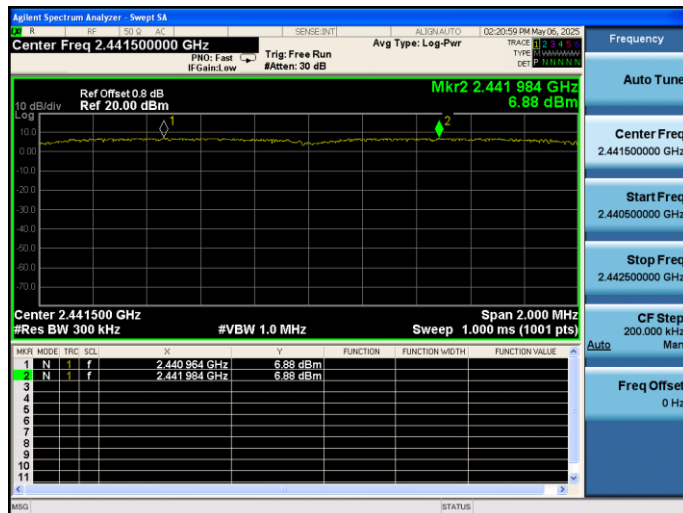
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Low ch	Agilent Spectrum Analyzer - Swept SA Center Freq 2.40250000 GHz Trig: Free Run Avg Type: Log-Pwr Ref Offset 0.8 dB Ref 20.00 dBm Mkr2 2.403160 GHz 9.01 dBm Center 2.402500 GHz #Res BW 300 kHz #VBW 1.0 MHz Span 2.000 MHz Sweep 1.000 ms (1001 pts) <table><tr><th>MKR</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><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.402146 GHz</td><td>8.98 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.403160 GHz</td><td>9.01 dBm</td><td></td><td></td><td></td></tr><tr><td>3</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>4</td><td></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><td></td></tr><tr><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table> MSG STATUS Frequency Auto Tune Center Freq 2.402500000 GHz Start Freq 2.401500000 GHz Stop Freq 2.403500000 GHz CF Step 200.000 kHz Auto Man Freq Offset 0 Hz <tr><td>Mid ch</td><td> Agilent Spectrum Analyzer - 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BT_8DPSK

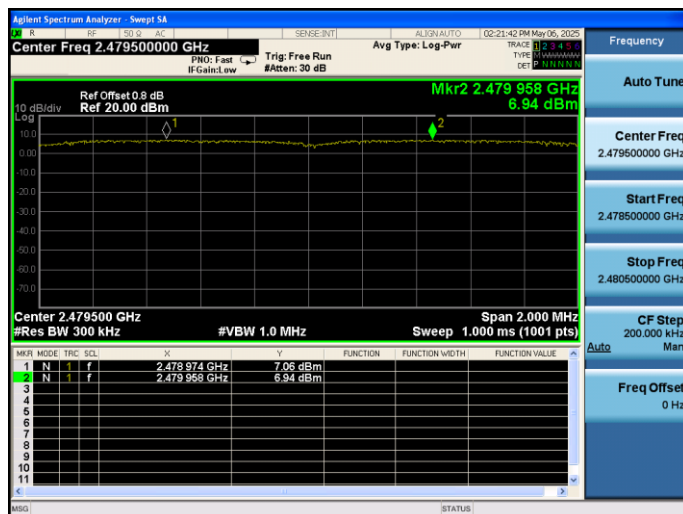
Low ch



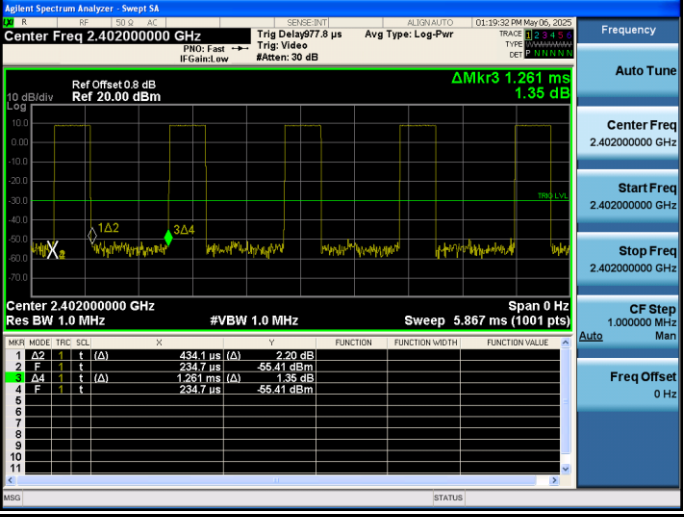
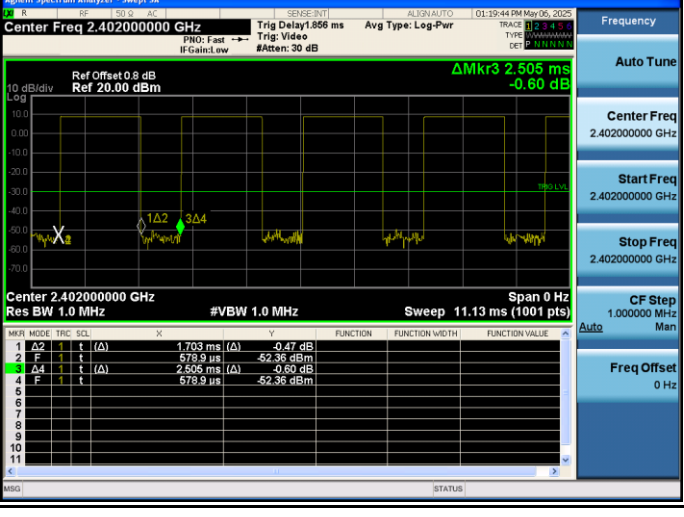
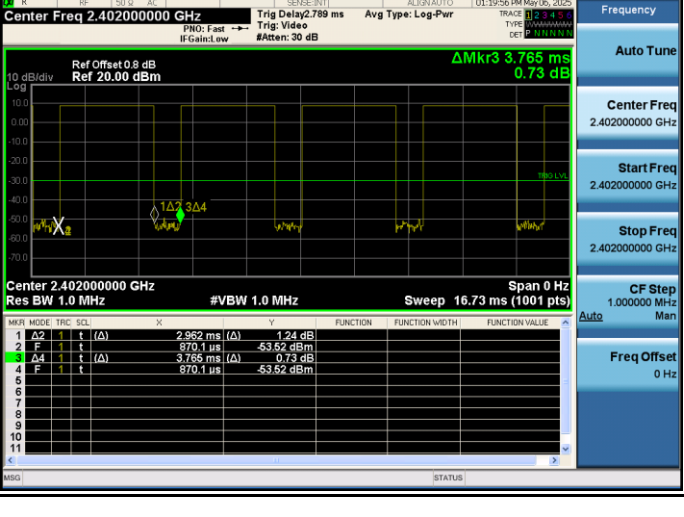
Mid ch



High ch

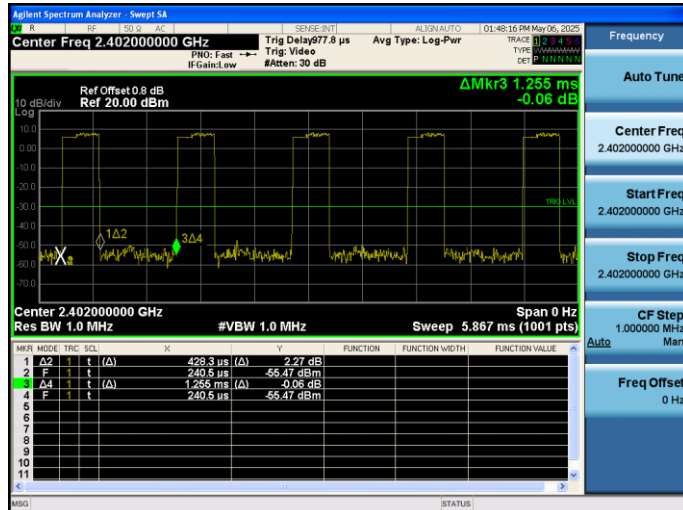


Time of Occupancy (Dwell Time)

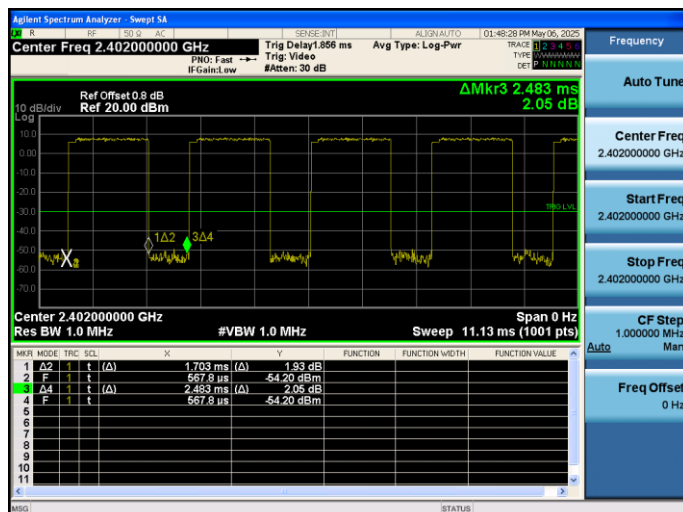
BT_GFSK	
DH1	 Agilent Spectrum Analyzer - Sweep 1A Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 1.261 ms 1.35 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 5.867 ms (1001 pts) Span 0 Hz Function: Δ2 Function Width: 434.1 μs Function Value: 2.20 dB Function: Δ4 Function Width: 234.7 μs Function Value: -55.41 dBm
DH3	 Agilent Spectrum Analyzer - Sweep 1A Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 2.505 ms -0.60 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 11.13 ms (1001 pts) Span 0 Hz Function: Δ2 Function Width: 1.703 ms Function Value: -0.47 dB Function: Δ4 Function Width: 679.9 μs Function Value: -52.36 dBm
DH5	 Agilent Spectrum Analyzer - Sweep 1A Center Freq 2.402000000 GHz Ref Offset 0.8 dB Ref 20.00 dBm ΔMkr3 3.765 ms 0.73 dB Center 2.402000000 GHz Res BW 1.0 MHz #VBW 1.0 MHz Sweep 16.73 ms (1001 pts) Span 0 Hz Function: Δ2 Function Width: 2.962 ms Function Value: 1.24 dB Function: Δ4 Function Width: 970.1 μs Function Value: -53.52 dBm

BT_8DPSK

3DH1



3DH3



3DH5

