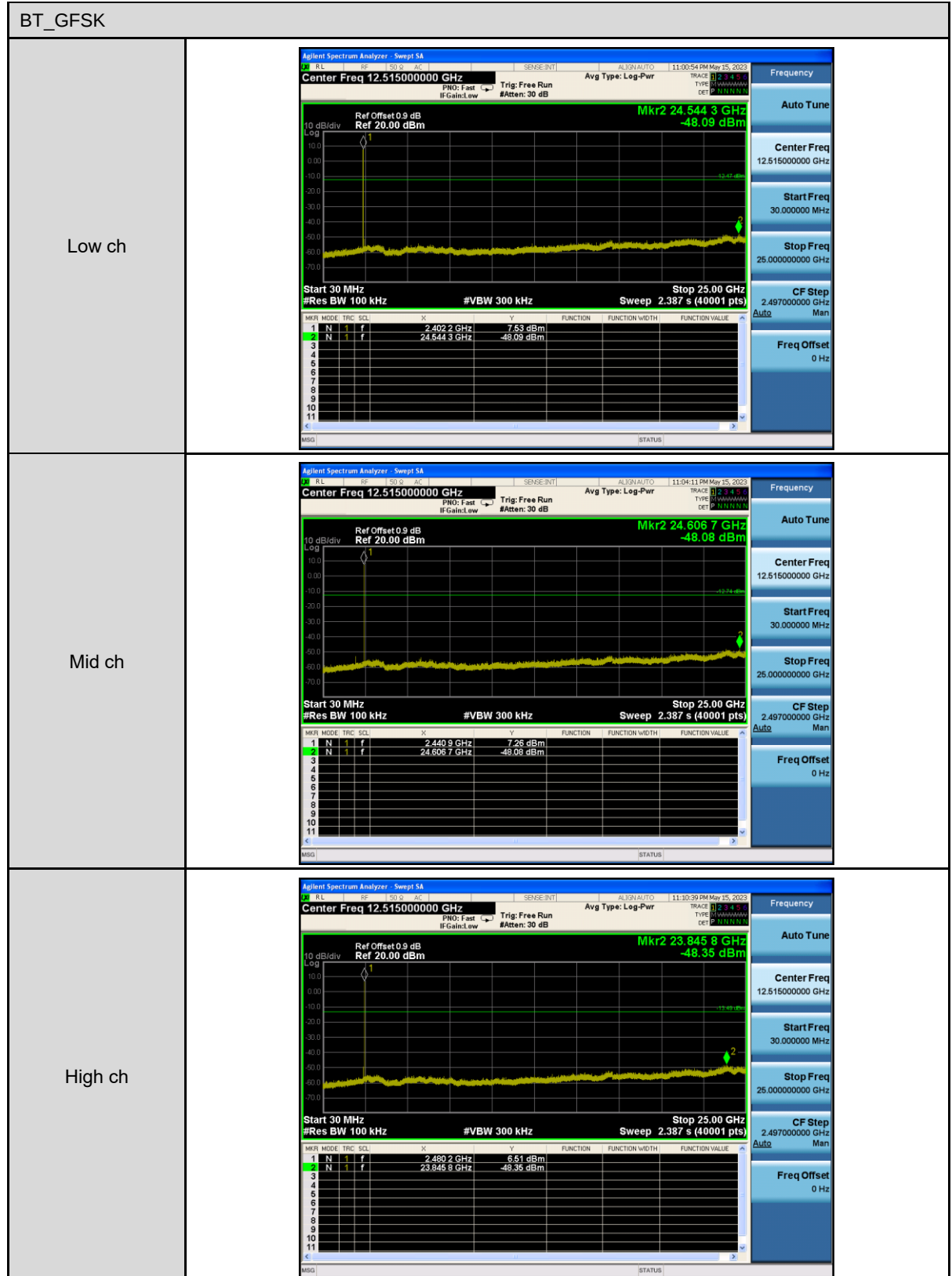


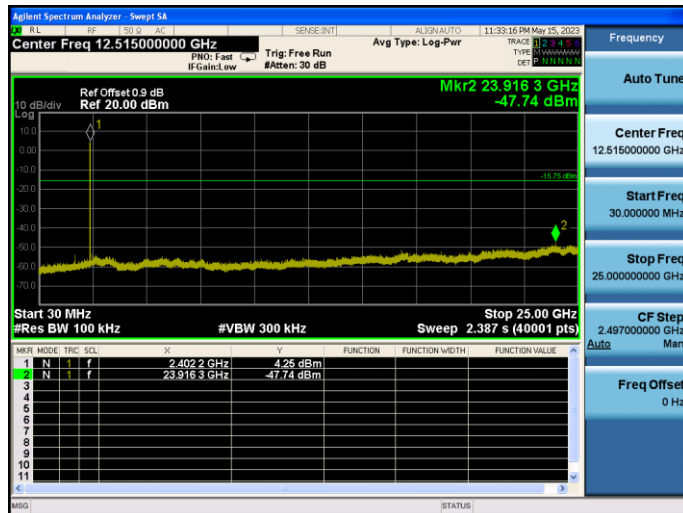
Appendix B. Test Plots

Out of Band Conducted Spurious Emission

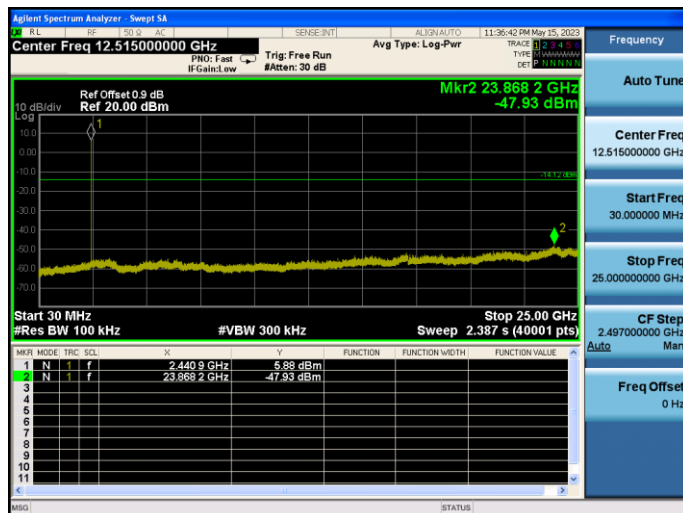


BT_8DPSK

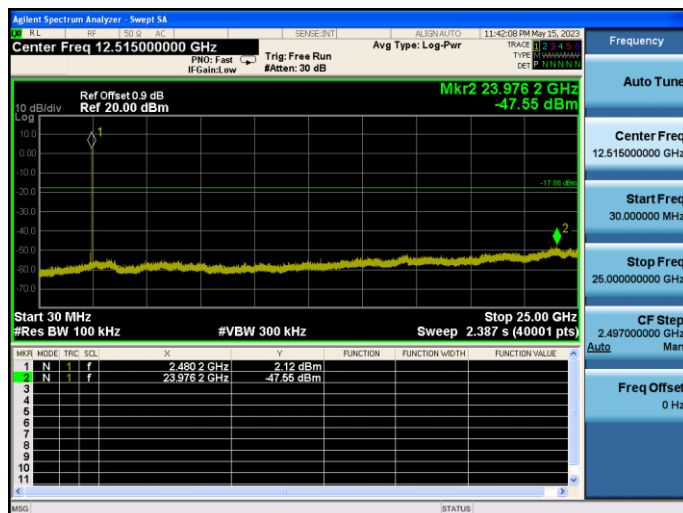
Low ch



Mid ch



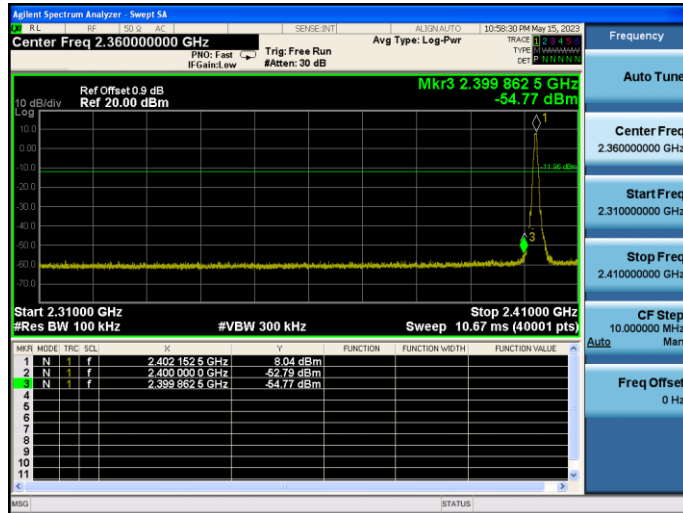
High ch



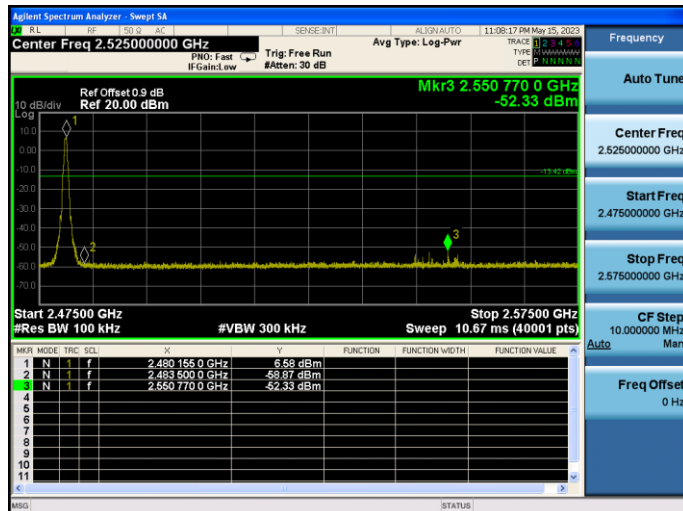
Conducted Band Edge

BT_GFSK_Un-hopping

Low ch

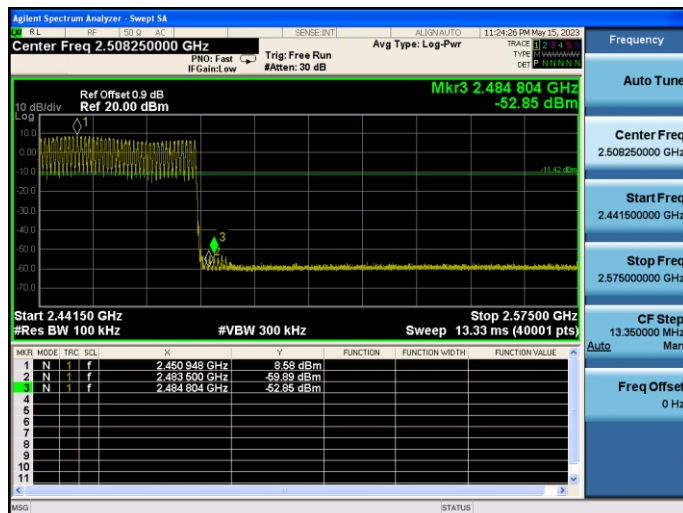
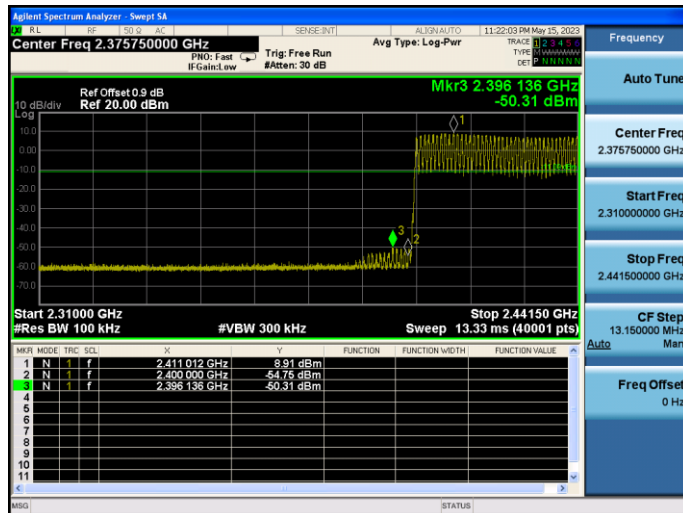


High ch



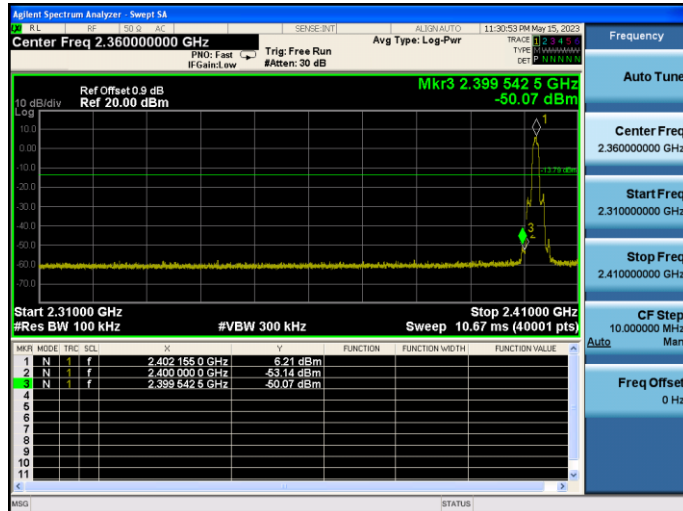
BT_GFSK_Hopping

Low ch-High ch

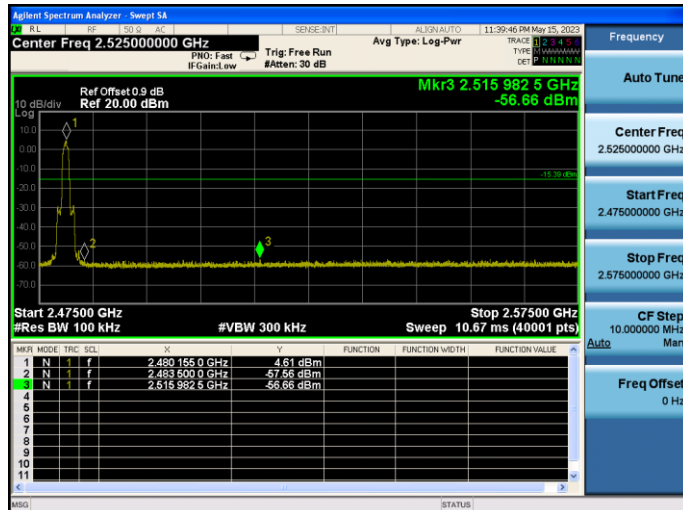


BT_8DPSK_Un-hopping

Low ch

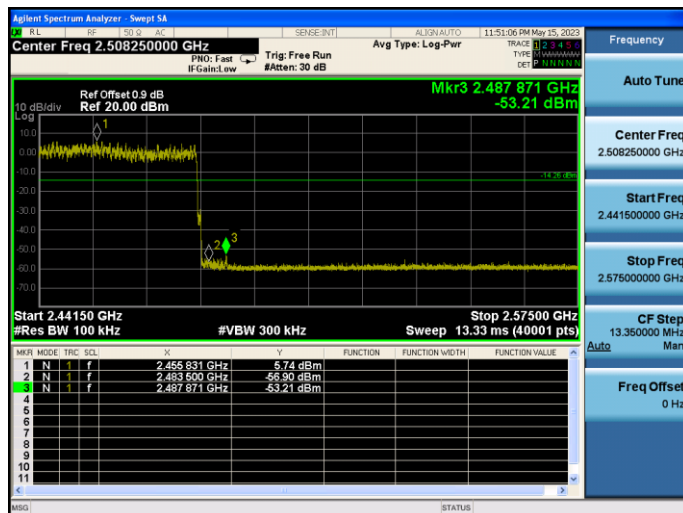
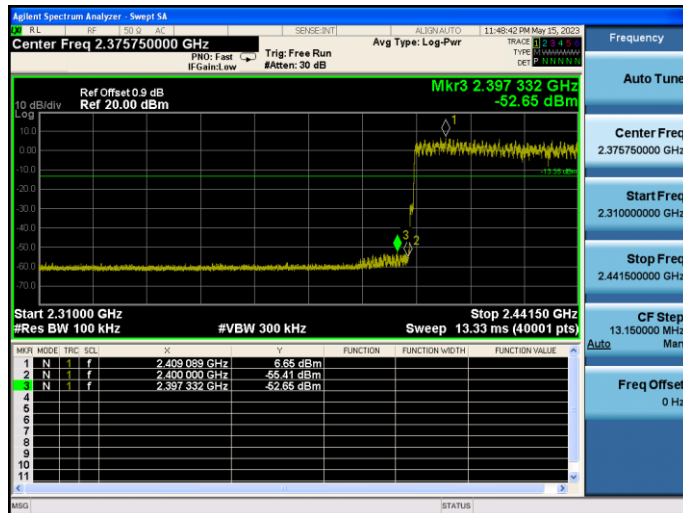


High ch



BT_8DPSK_Hopping

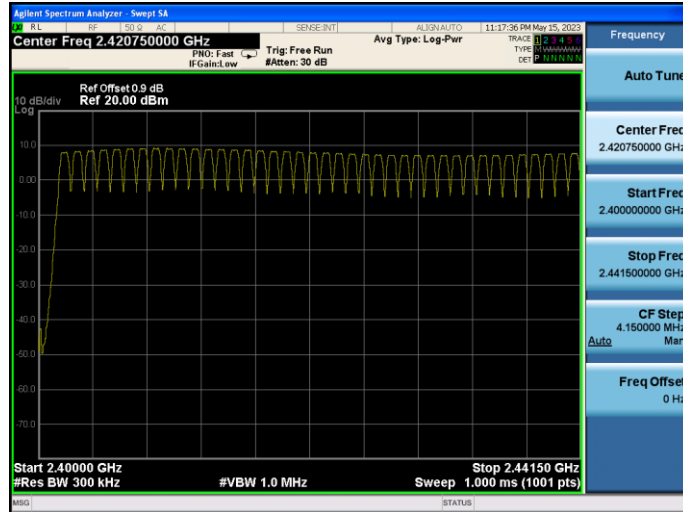
Low ch-High ch



Number of Hopping

BT_GFSK

CH00 - CH39

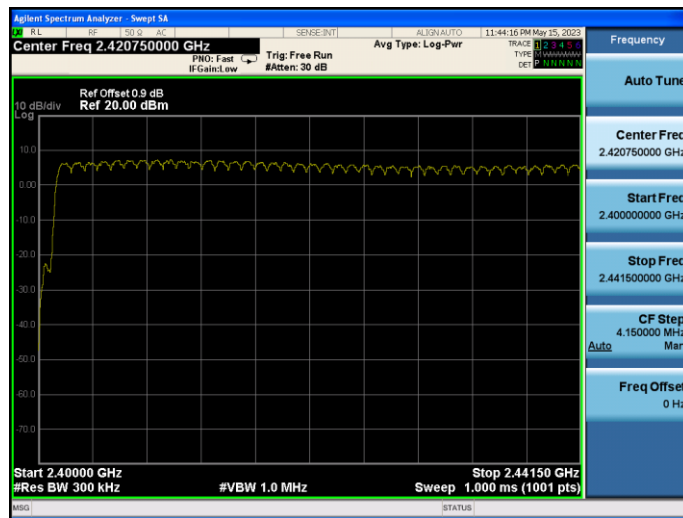


CH39- CH78

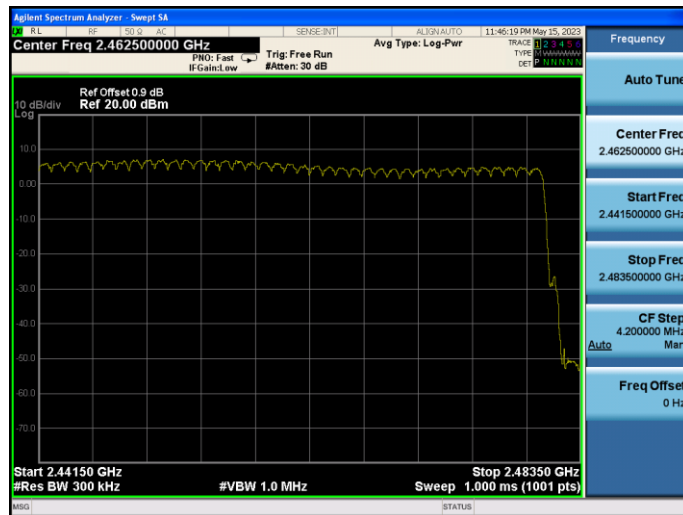


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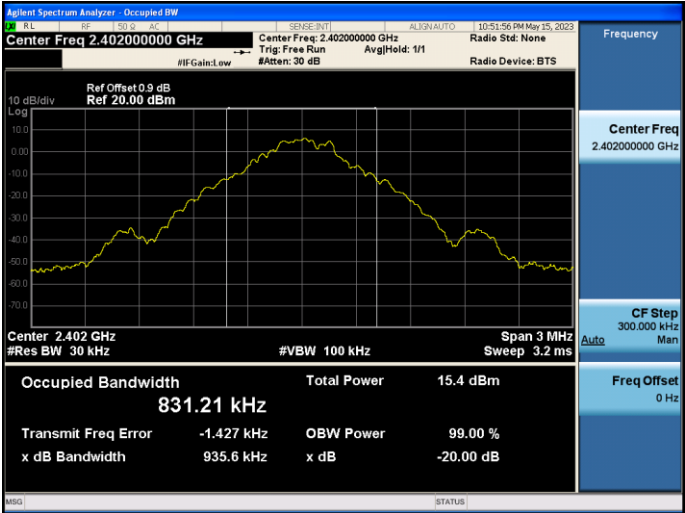
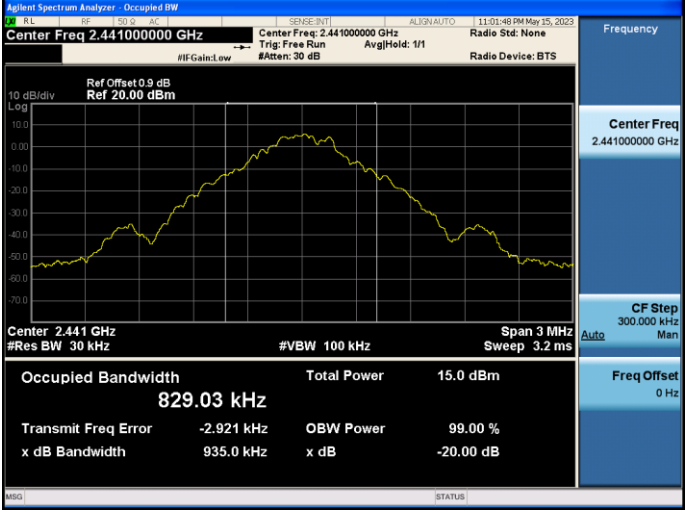
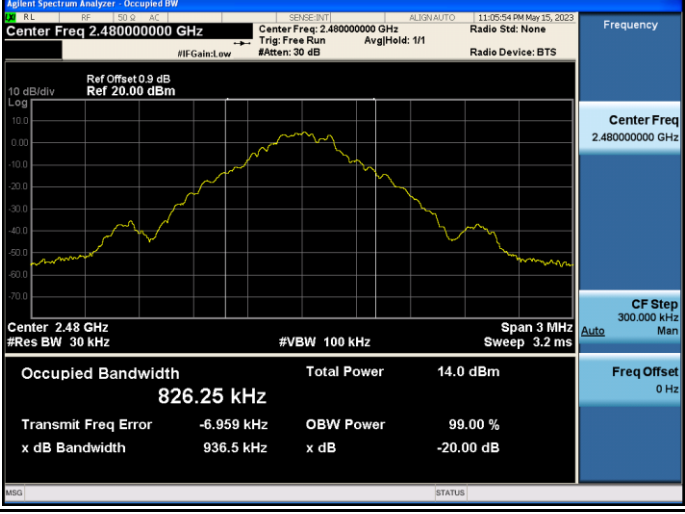
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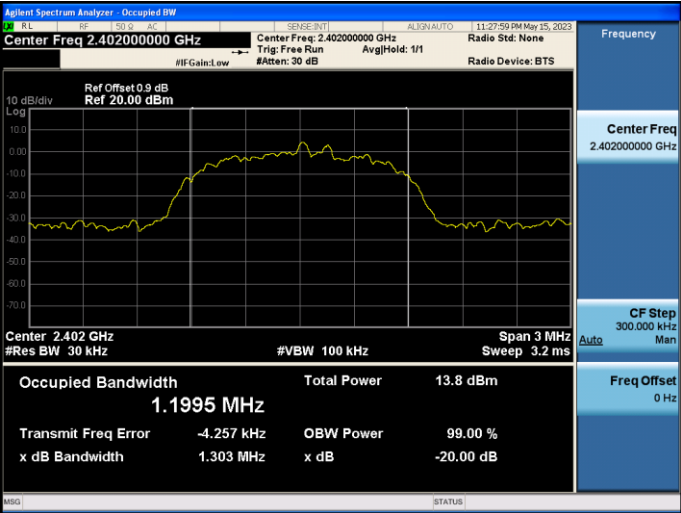
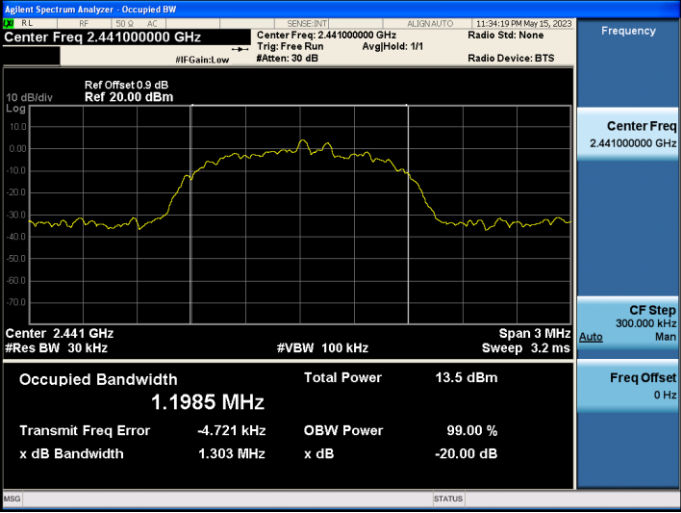
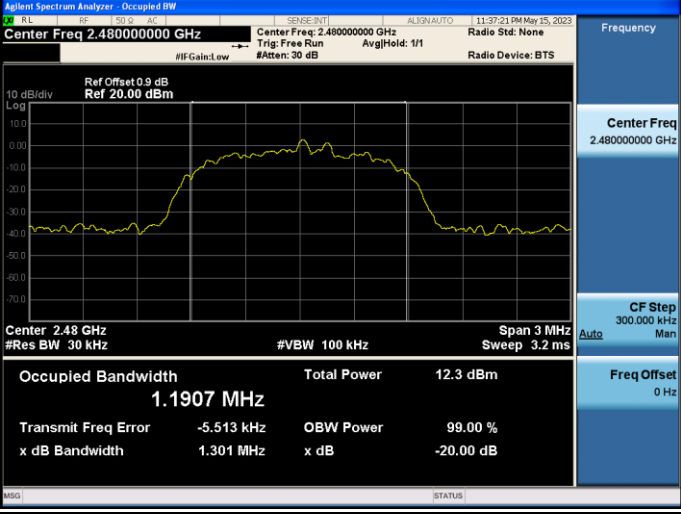


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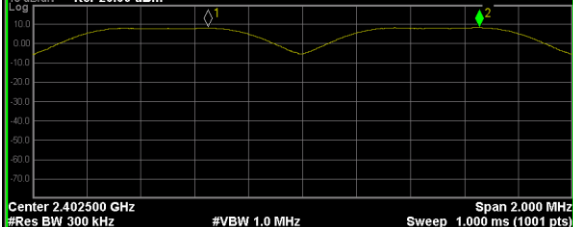
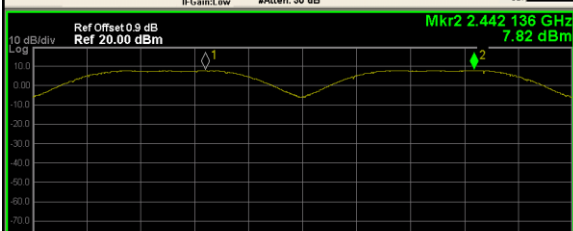
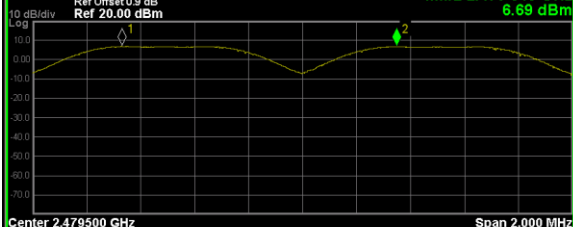


20 dB RF Bandwidth & 99 % Occupied Bandwidth

BT_GFSK	
Low ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.402000000 GHz Center Freq: 2.402000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset: 0.9 dB Ref: 20.00 dBm 10 dB/div Log Center: 2.402 GHz #Res BW: 30 kHz #VBW: 100 kHz Span: 3 MHz Sweep: 3.2 ms Occupied Bandwidth: 831.21 kHz Total Power: 15.4 dBm Transmit Freq Error: -1.427 kHz OBW Power: 99.00 % x dB Bandwidth: 935.6 kHz x dB: -20.00 dB Frequency Center Freq: 2.402000000 GHz CF Step: 300.000 kHz Auto Man Freq Offset: 0 Hz MSG STATUS
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.441000000 GHz Center Freq: 2.441000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset: 0.9 dB Ref: 20.00 dBm 10 dB/div Log Center: 2.441 GHz #Res BW: 30 kHz #VBW: 100 kHz Span: 3 MHz Sweep: 3.2 ms Occupied Bandwidth: 829.03 kHz Total Power: 15.0 dBm Transmit Freq Error: -2.921 kHz OBW Power: 99.00 % x dB Bandwidth: 935.0 kHz x dB: -20.00 dB Frequency Center Freq: 2.441000000 GHz CF Step: 300.000 kHz Auto Man Freq Offset: 0 Hz MSG STATUS
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq: 2.480000000 GHz Center Freq: 2.480000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None Radio Device: BTS Ref Offset: 0.9 dB Ref: 20.00 dBm 10 dB/div Log Center: 2.48 GHz #Res BW: 30 kHz #VBW: 100 kHz Span: 3 MHz Sweep: 3.2 ms Occupied Bandwidth: 826.25 kHz Total Power: 14.0 dBm Transmit Freq Error: -6.959 kHz OBW Power: 99.00 % x dB Bandwidth: 936.5 kHz x dB: -20.00 dB Frequency Center Freq: 2.480000000 GHz CF Step: 300.000 kHz Auto Man Freq Offset: 0 Hz MSG STATUS

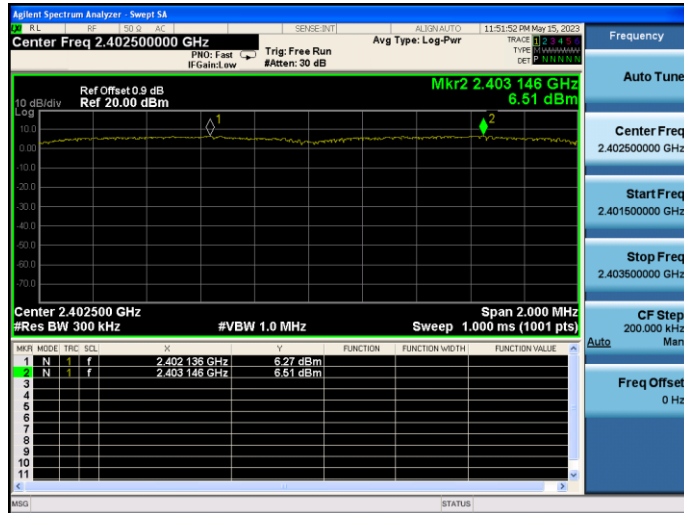
BT_8DPSK	
Low ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.402000000 GHz Ref Offset 0.9 dB Ref 20.00 dBm Center 2.402 GHz #Res BW 30 kHz Span 3 MHz Sweep 3.2 ms Occupied Bandwidth 1.1995 MHz Total Power 13.8 dBm Transmit Freq Error -4.257 kHz OBW Power 99.00 % x dB Bandwidth 1.303 MHz x dB -20.00 dB
Mid ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.441000000 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 1.1985 MHz Total Power 13.5 dBm Transmit Freq Error -4.721 kHz OBW Power 99.00 % x dB Bandwidth 1.303 MHz x dB -20.00 dB
High ch	 Agilent Spectrum Analyzer - Occupied BW Center Freq 2.480000000 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 1.1907 MHz Total Power 12.3 dBm Transmit Freq Error -5.513 kHz OBW Power 99.00 % x dB Bandwidth 1.301 MHz x dB -20.00 dB

Carrier Frequency Separation

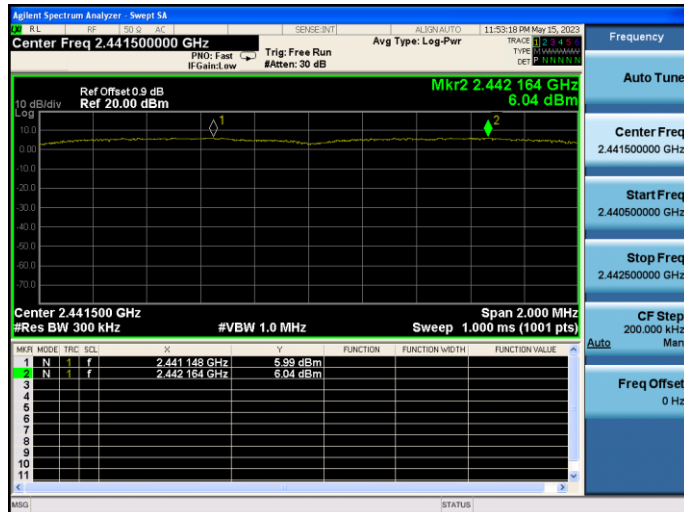
BT_GFSK																																																																																																													
Low ch	Agilent Spectrum Analyzer - Sweep 5A RL RF 150.0 AC SENSE:INT1 ALIGN:AUTO 11:25:32 PM May 15, 2023 Center Freq 2.40250000 GHz PK0: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 TYPE: WARMWARM DET: PNMNPN 10 dB/div Ref Offset 0.9 dB Ref 20.00 dBm Mkr2 2.403154 GHz 8.25 dBm  Center 2.402500 GHz #Res BW 300 kHz #VBW 1.0 MHz Sweep 1.000 ms (1001 pts) <table><thead><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></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.402150 GHz</td><td>8.03 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.403154 GHz</td><td>8.25 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></tbody></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	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.402150 GHz	8.03 dBm				2	N	1	f	2.403154 GHz	8.25 dBm				3									4									5									6									7									8									9									10									11								
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Mid ch	Agilent Spectrum Analyzer - Sweep 5A RL RF 150.0 AC SENSE:INT1 ALIGN:AUTO 11:25:56 PM May 15, 2023 Center Freq 2.441500000 GHz PK0: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 TYPE: WARMWARM DET: PNMNPN 10 dB/div Ref Offset 0.9 dB Ref 20.00 dBm Mkr2 2.442136 GHz 7.82 dBm  Center 2.441500 GHz #Res BW 300 kHz #VBW 1.0 MHz Sweep 1.000 ms (1001 pts) <table><thead><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></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.441140 GHz</td><td>7.68 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.442136 GHz</td><td>7.82 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></tbody></table> MSG STATUS Frequency Auto Tune Center Freq 2.441500000 GHz Start Freq 2.440500000 GHz Stop Freq 2.442500000 GHz CF Step 200.000 kHz Auto Man Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.441140 GHz	7.68 dBm				2	N	1	f	2.442136 GHz	7.82 dBm				3									4									5									6									7									8									9									10									11								
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High ch	Agilent Spectrum Analyzer - Sweep 5A RL RF 150.0 AC SENSE:INT1 ALIGN:AUTO 11:26:24 PM May 15, 2023 Center Freq 2.479500000 GHz PK0: Fast IF Gain: Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr TRACE 1 2 3 4 5 6 TYPE: WARMWARM DET: PNMNPN 10 dB/div Ref Offset 0.9 dB Ref 20.00 dBm Mkr2 2.479848 GHz 6.69 dBm  Center 2.479500 GHz #Res BW 300 kHz #VBW 1.0 MHz Sweep 1.000 ms (1001 pts) <table><thead><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></thead><tbody><tr><td>1</td><td>N</td><td>1</td><td>f</td><td>2.478832 GHz</td><td>6.85 dBm</td><td></td><td></td><td></td></tr><tr><td>2</td><td>N</td><td>1</td><td>f</td><td>2.479848 GHz</td><td>6.69 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></tbody></table> MSG STATUS Frequency Auto Tune Center Freq 2.479500000 GHz Start Freq 2.478500000 GHz Stop Freq 2.480500000 GHz CF Step 200.000 kHz Auto Man Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	1	f	2.478832 GHz	6.85 dBm				2	N	1	f	2.479848 GHz	6.69 dBm				3									4									5									6									7									8									9									10									11								
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BT_8DPSK

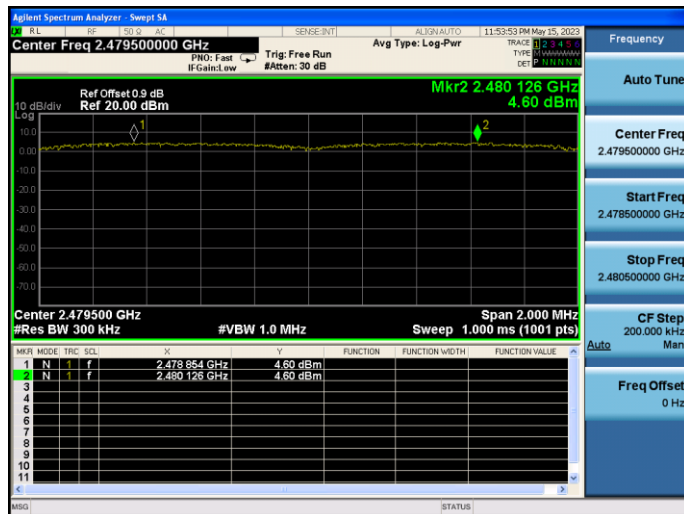
Low ch



Mid ch



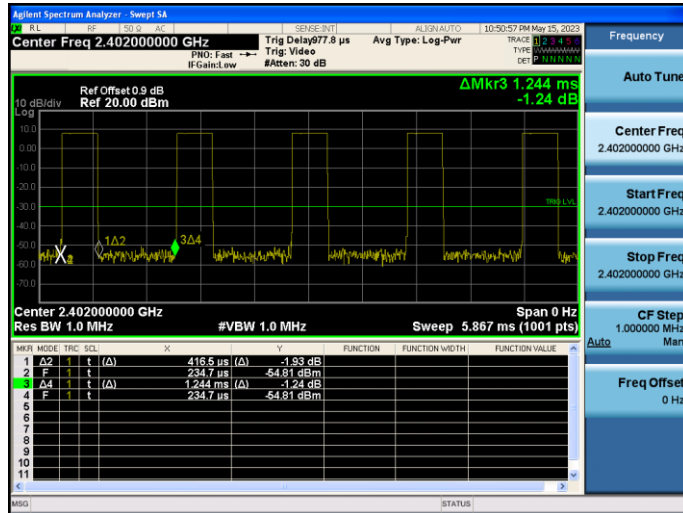
High ch



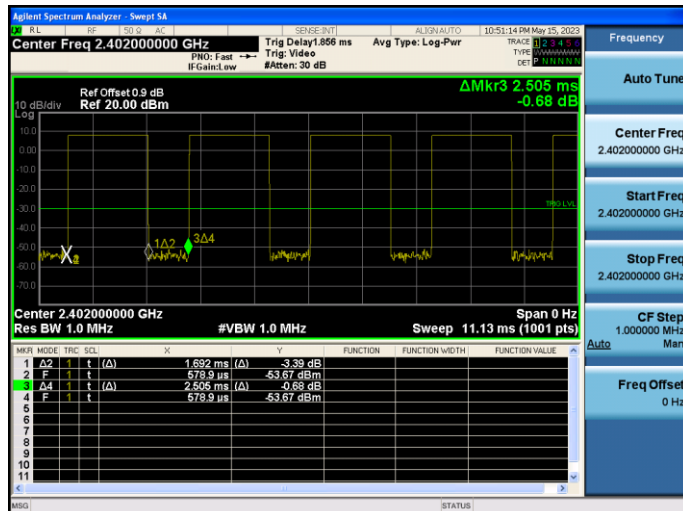
Time of Occupancy (Dwell Time)

BT_GFSK

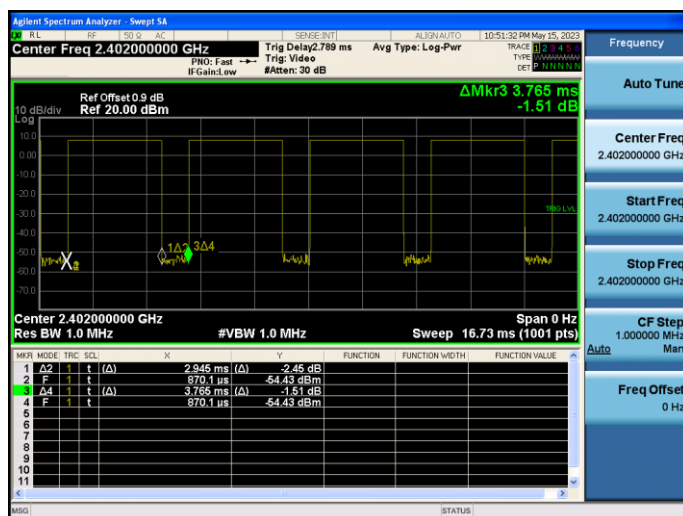
DH1



DH3

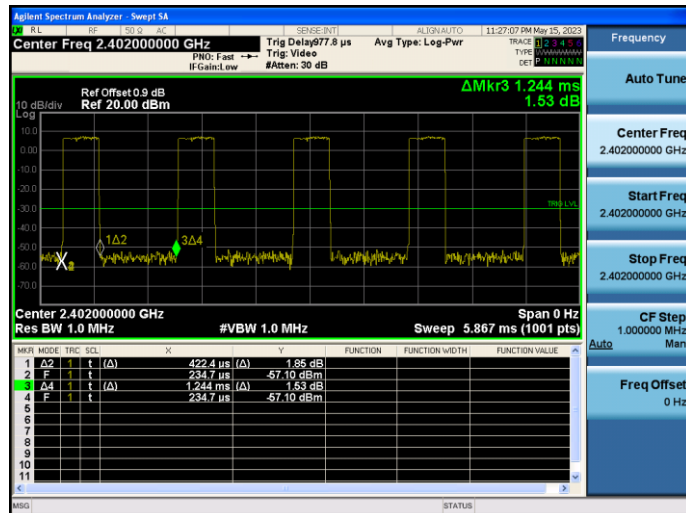


DH5

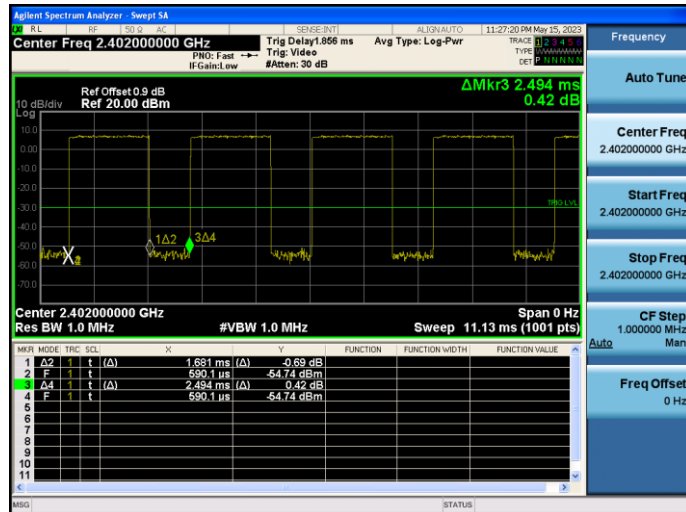


BT_8DPSK

3DH1



3DH3



3DH5

