

Appendix A

RF Test Data for BT V4.0 (BDR/EDR) (Conducted Measurement)

Product Name: Tablet PC

Trade Mark: Acer

Test Model: Acer One 7 4G

Environmental Conditions

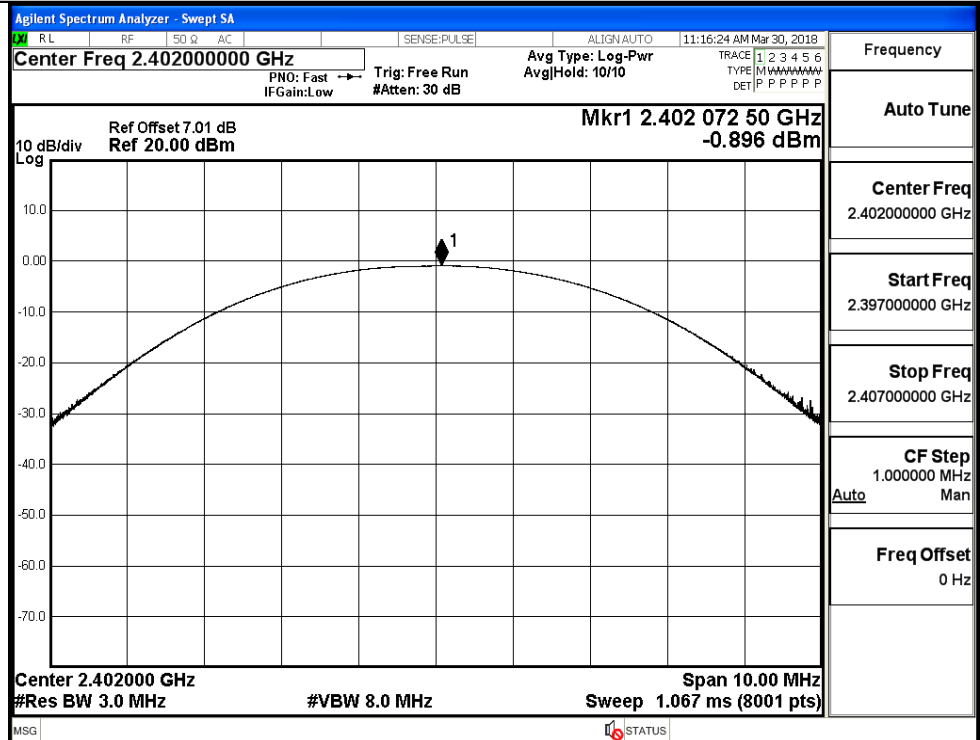
Temperature:	22.3 ° C
Relative Humidity:	52.6%
ATM Pressure:	100.0 kPa
Test Engineer:	WILSON HONG
Supervised by:	Dick.Su

A.1 Maximum Conducted Peak Output Power

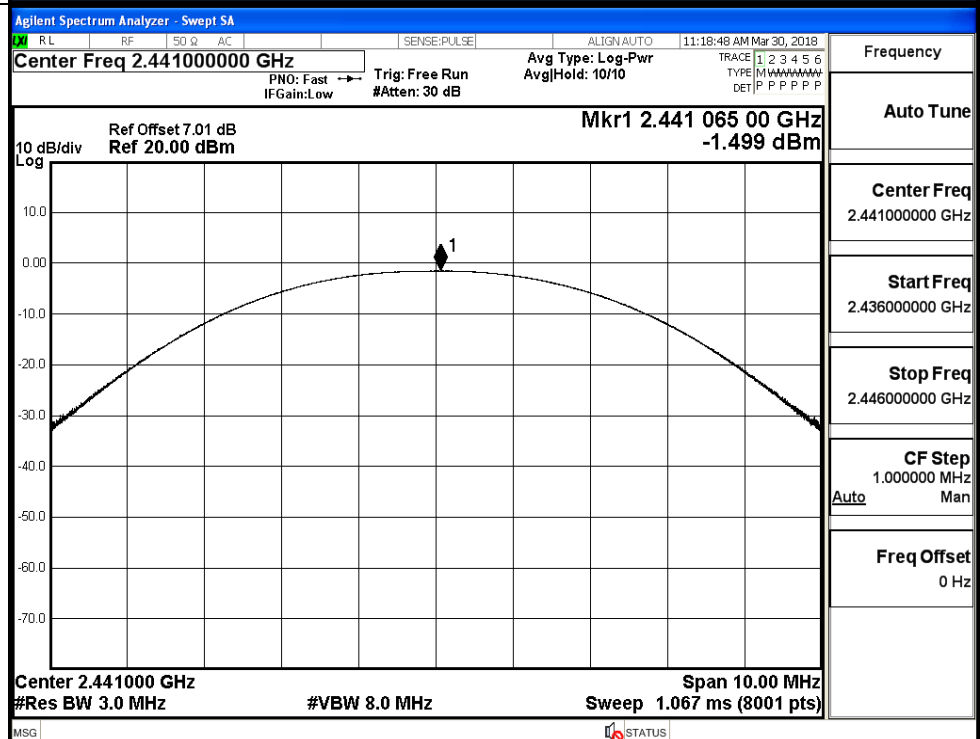
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.896	30	PASS
	MCH	-1.499	30	PASS
	HCH	-3.553	30	PASS
$\pi/4$ DQPSK	LCH	-1.576	21	PASS
	MCH	-2.092	21	PASS
	HCH	-4.210	21	PASS
8DPSK	LCH	-1.380	21	PASS
	MCH	-1.912	21	PASS
	HCH	-4.006	21	PASS

Test Graphs

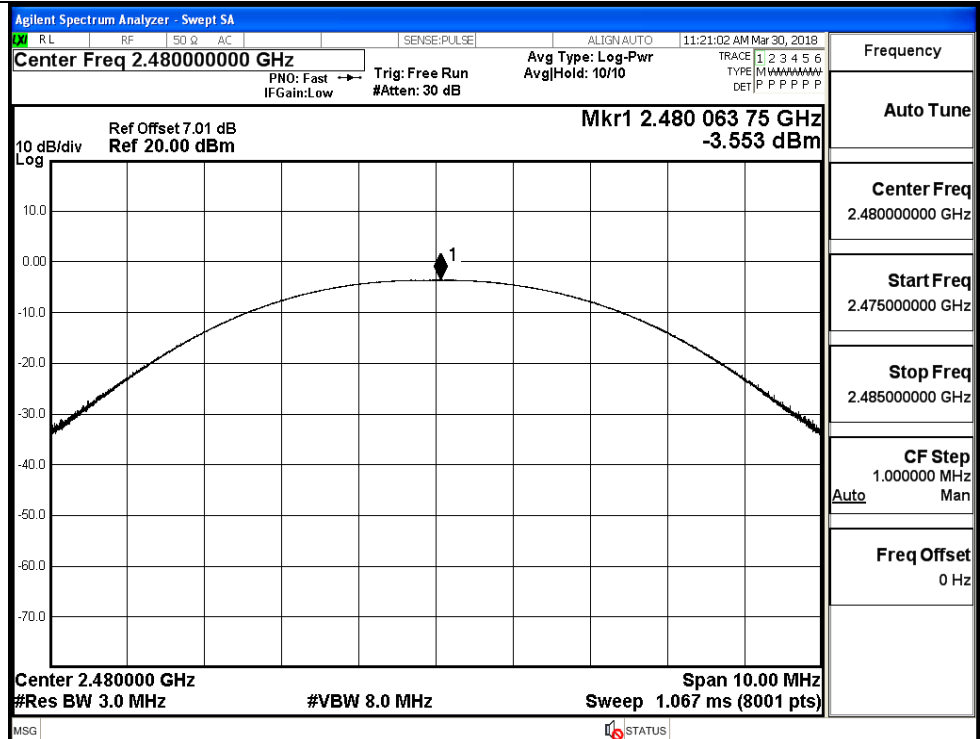
GFSK/LCH



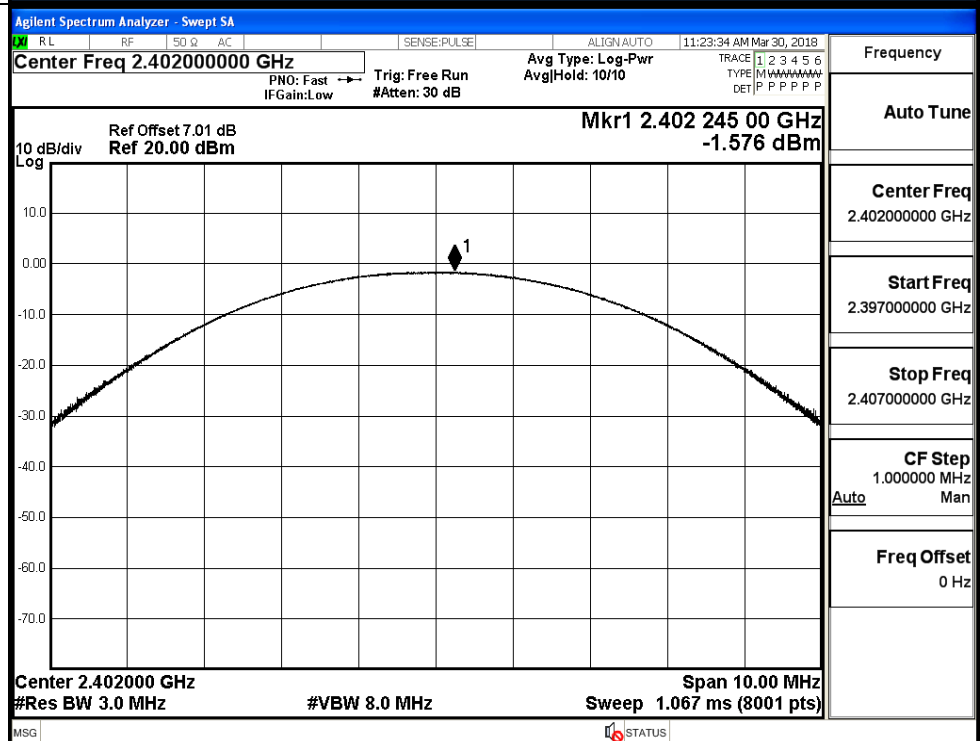
GFSK/MCH

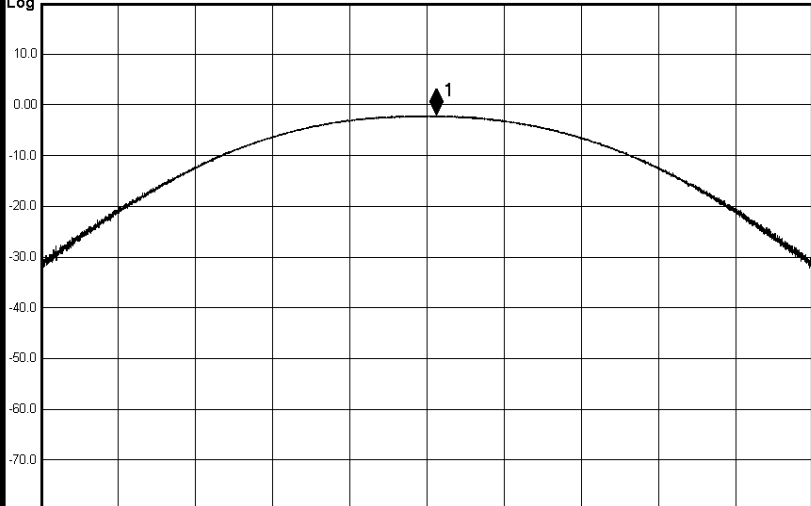
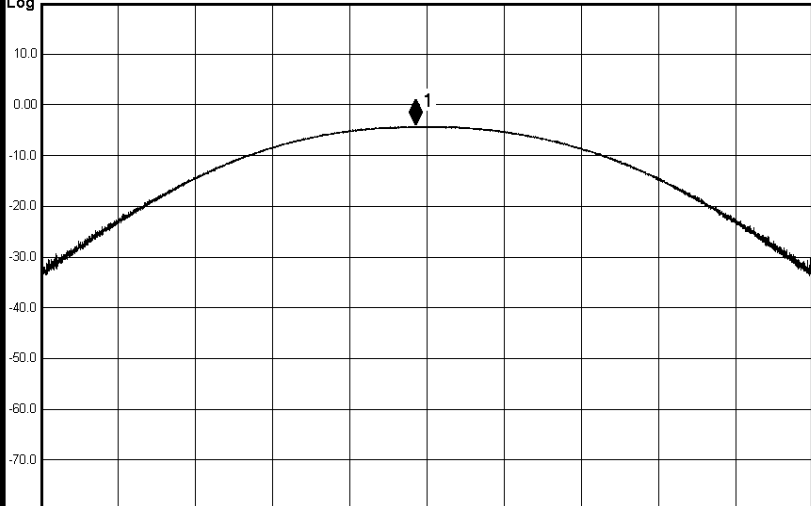


GFSK/HCH

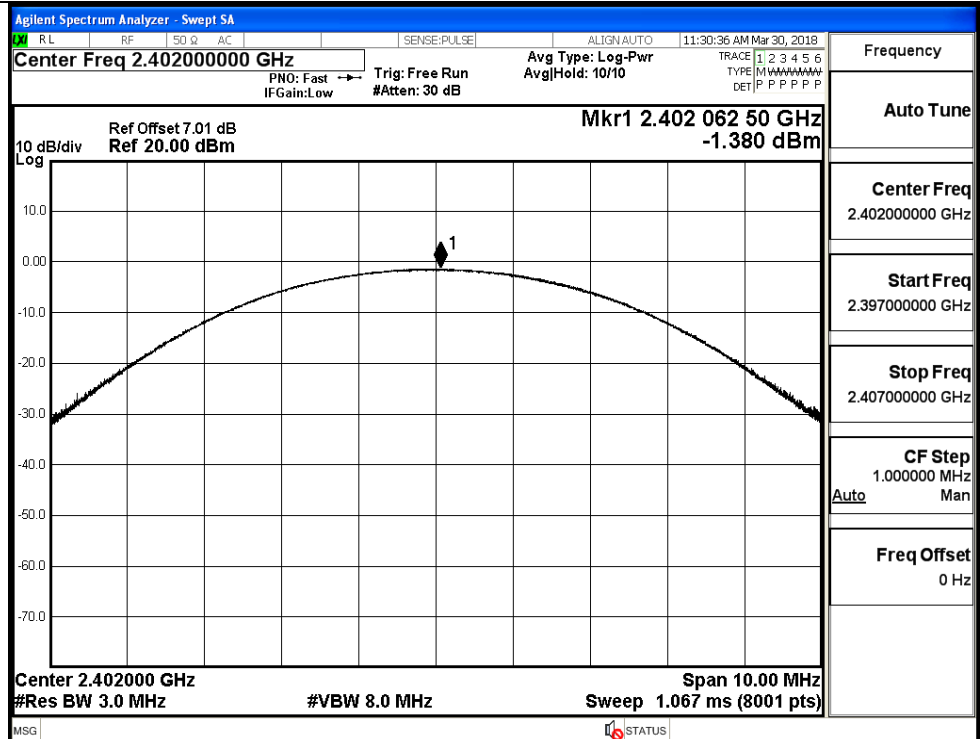


$\pi/4$ DQPSK/LCH

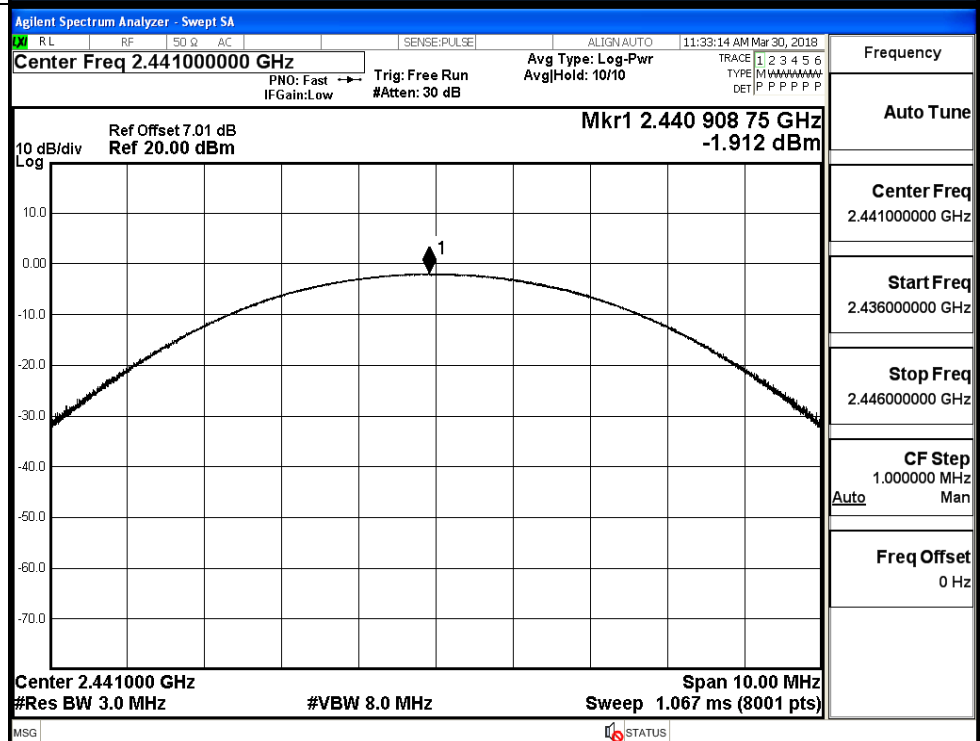


π/4DQPSK/MCH	Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:25:52 AM Mar 30, 2018 Center Freq 2.441000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr AvgHold: 10/10 TRACE 1 2 3 4 5 6 TYPE: M W W W W W W W W W DET: P P P P P P P P Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.441 122 50 GHz -2.092 dBm 10 dB/div Log  Center 2.441000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts) MSG STATUS Frequency Auto Tune Center Freq 2.441000000 GHz Start Freq 2.436000000 GHz Stop Freq 2.446000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz
π/4DQPSK/HCH	Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:28:07 AM Mar 30, 2018 Center Freq 2.480000000 GHz PNO: Fast IFGain:Low Trig: Free Run #Atten: 30 dB Avg Type: Log-Pwr AvgHold: 10/10 TRACE 1 2 3 4 5 6 TYPE: M W W W W W W W W W DET: P P P P P P P P Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.479 853 75 GHz -4.210 dBm 10 dB/div Log  Center 2.480000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts) MSG STATUS Frequency Auto Tune Center Freq 2.480000000 GHz Start Freq 2.475000000 GHz Stop Freq 2.485000000 GHz CF Step 1.000000 MHz Auto Man Freq Offset 0 Hz

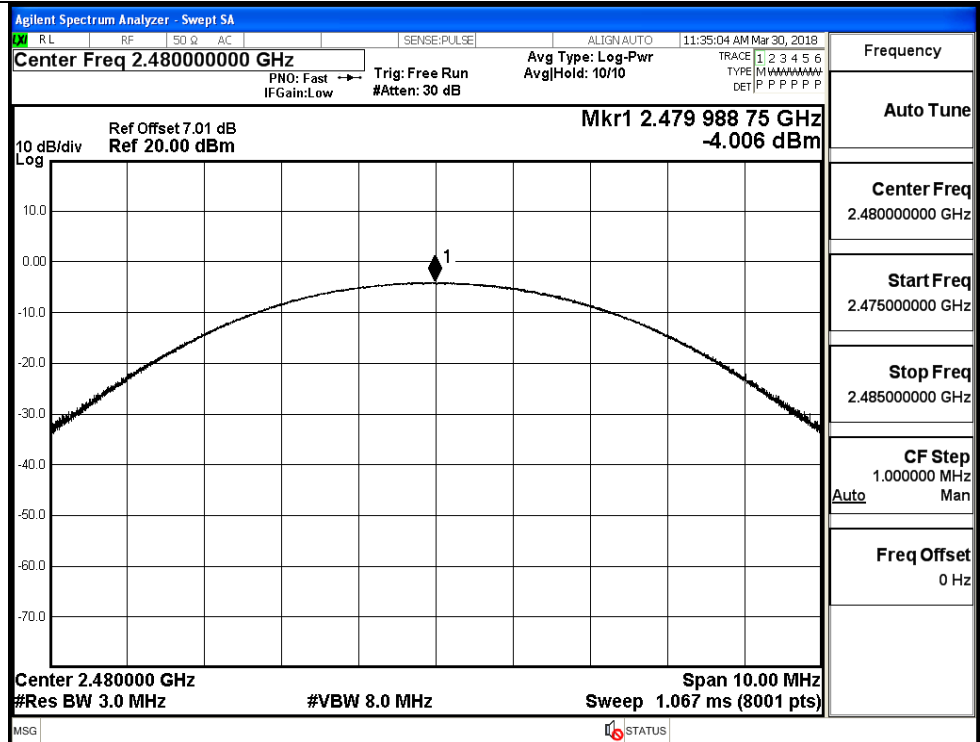
8DPSK/LCH



8DPSK/MCH



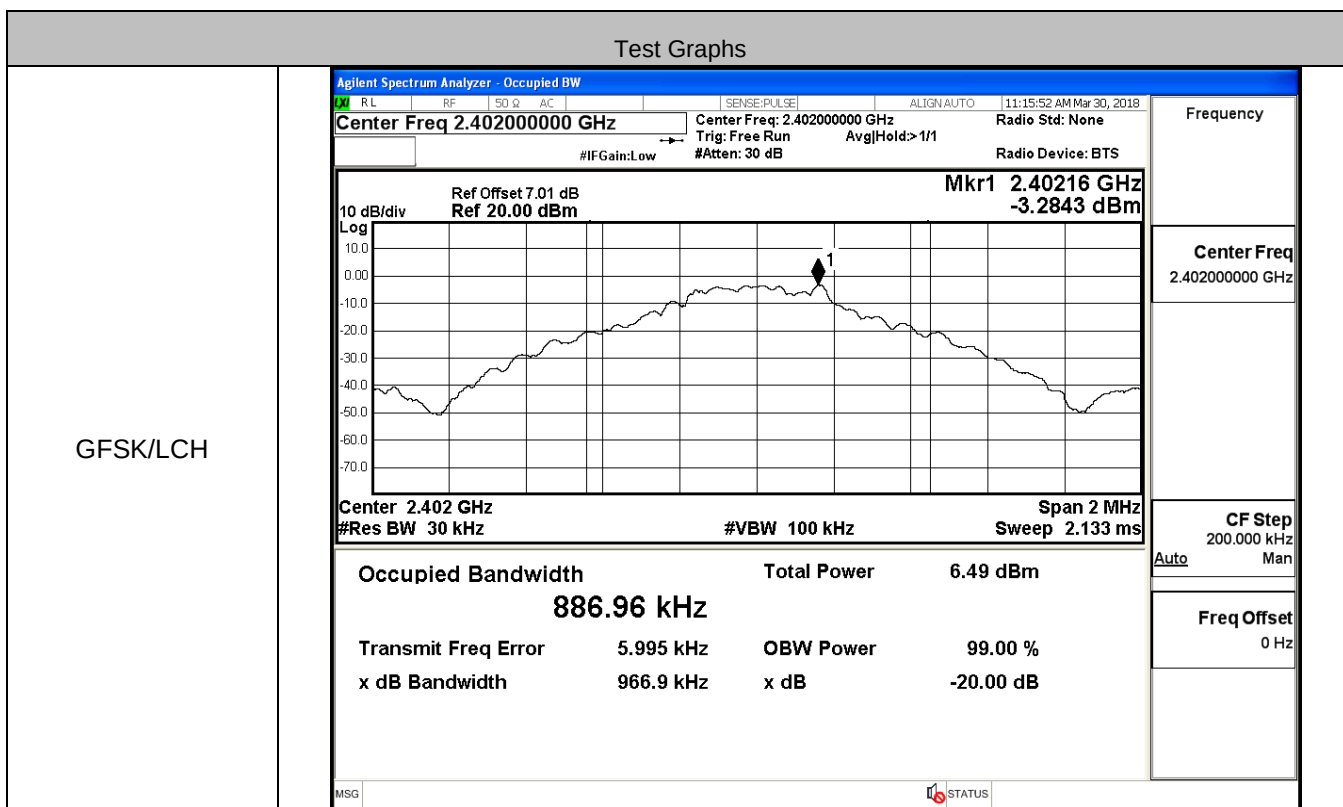
8DPSK/HCH



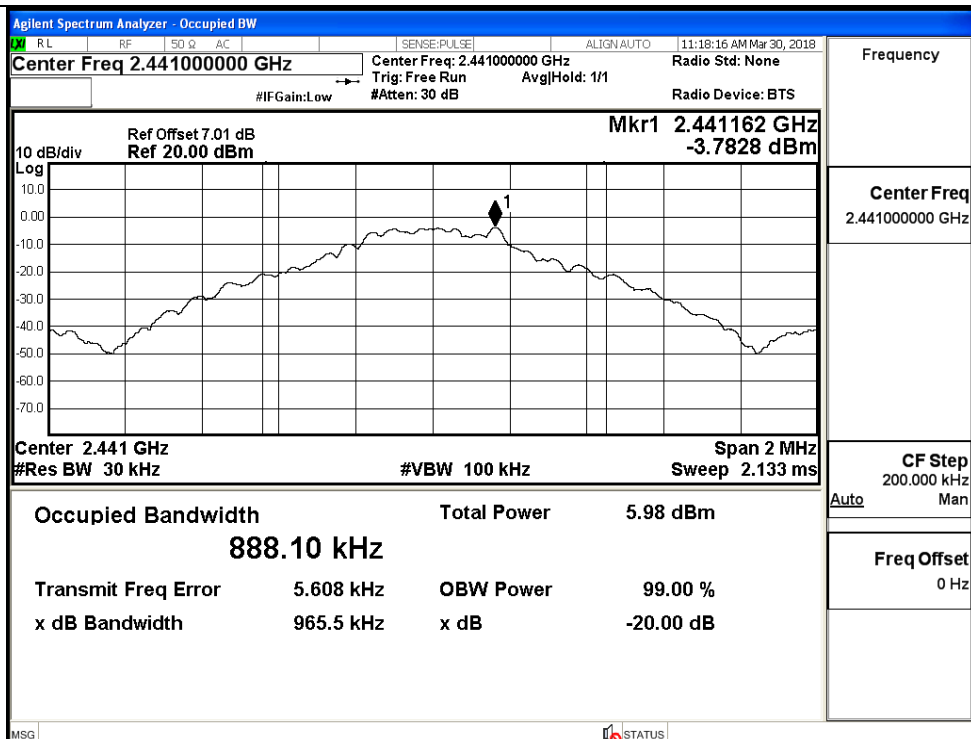
A.2 20dB Bandwidth

Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.88696	0.9669	Not Specified	PASS
	MCH	0.88810	0.9655	Not Specified	PASS
	HCH	0.89103	1.034	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.1740	1.291	Not Specified	PASS
	MCH	1.1826	1.313	Not Specified	PASS
	HCH	1.1820	1.313	Not Specified	PASS
8DPSK	LCH	1.1822	1.293	Not Specified	PASS
	MCH	1.1918	1.300	Not Specified	PASS
	HCH	1.1919	1.301	Not Specified	PASS

Test Graphs



GFSK/MCH



Frequency

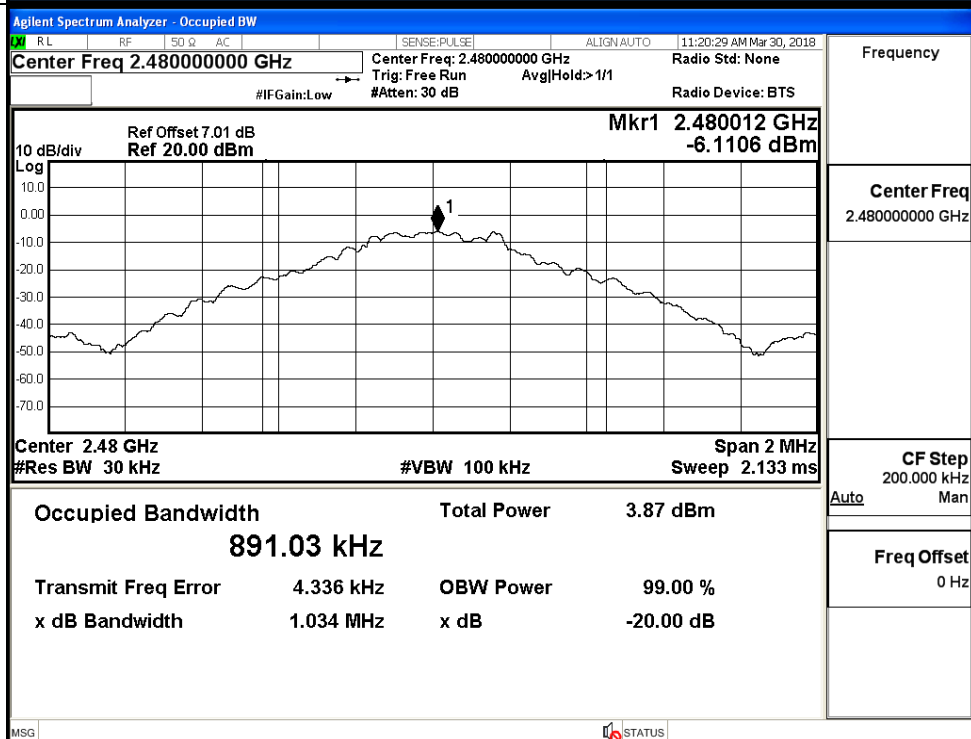
Center Freq
2.441000000 GHz

CF Step
200.000 kHz
Man

Auto

Freq Offset
0 Hz

GFSK/HCH



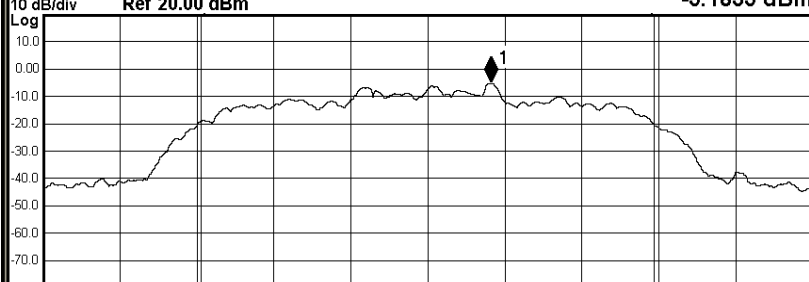
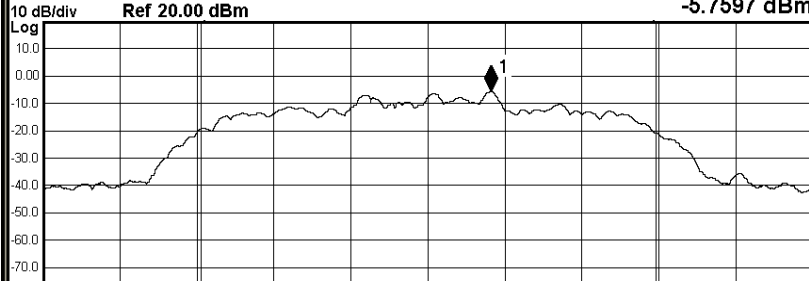
Frequency

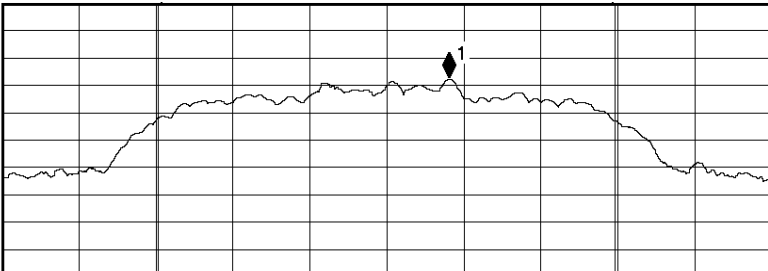
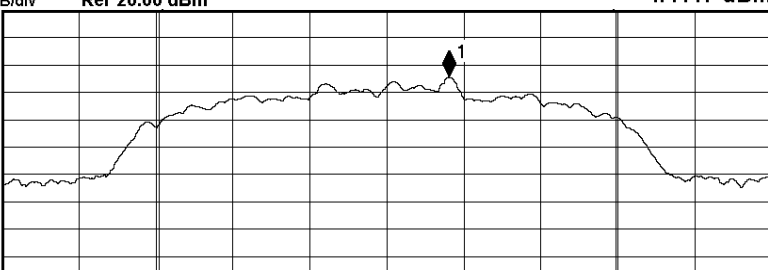
Center Freq
2.480000000 GHz

CF Step
200.000 kHz
Man

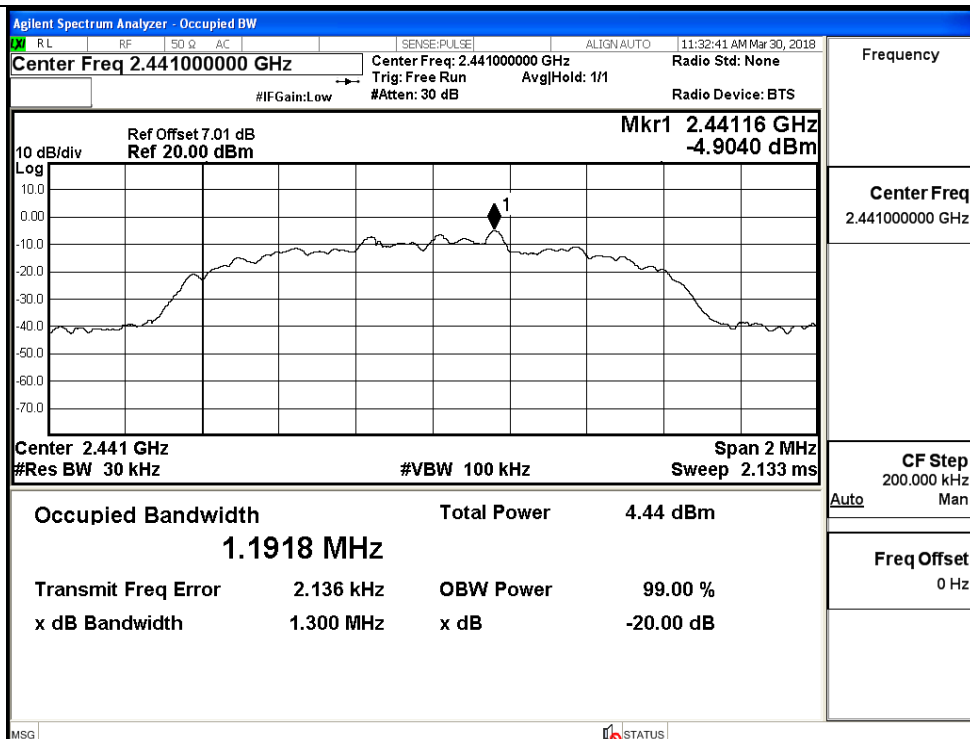
Auto

Freq Offset
0 Hz

$\pi/4$ DQPSK/LCH	Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 11:23:02 AM Mar 30, 2018 Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None #IFGain:Low #Atten: 30 dB Radio Device: BTS Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.402164 GHz -5.1835 dBm 10 dB/div Log  Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Span 2 MHz Sweep 2.133 ms Occupied Bandwidth 1.1740 MHz Total Power 4.81 dBm Transmit Freq Error -89 Hz OBW Power 99.00 % x dB Bandwidth 1.291 MHz x dB -20.00 dB MSG STATUS			Frequency
	Center Freq 2.402000000 GHz			
	CF Step 200.000 kHz Auto Man			
	Freq Offset 0 Hz			
$\pi/4$ DQPSK/MCH	Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 11:25:20 AM Mar 30, 2018 Center Freq 2.441000000 GHz Center Freq: 2.441000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None #IFGain:Low #Atten: 30 dB Radio Device: BTS Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.441164 GHz -5.7597 dBm 10 dB/div Log  Center 2.441 GHz #Res BW 30 kHz #VBW 100 kHz Span 2 MHz Sweep 2.133 ms Occupied Bandwidth 1.1826 MHz Total Power 4.46 dBm Transmit Freq Error 1.257 kHz OBW Power 99.00 % x dB Bandwidth 1.313 MHz x dB -20.00 dB MSG STATUS			Frequency
	Center Freq 2.441000000 GHz			
	CF Step 200.000 kHz Auto Man			
	Freq Offset 0 Hz			

$\pi/4$ DQPSK/HCH	Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:PULSE ALIGN: AUTO 11:27:34 AM Mar 30, 2018 Center Freq 2.480000000 GHz Center Freq: 2.480000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None #IFGain: Low #Atten: 30 dB Radio Device: BTS Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.480162 GHz -7.7783 dBm 10 dB/div Log  Center 2.48 GHz #Res BW 30 kHz #VBW 100 kHz Span 2 MHz Sweep 2.133 ms Occupied Bandwidth 1.1820 MHz Total Power 2.39 dBm Transmit Freq Error 443 Hz OBW Power 99.00 % x dB Bandwidth 1.313 MHz x dB -20.00 dB MSG STATUS	Frequency Center Freq 2.480000000 GHz CF Step 200.000 kHz Man Freq Offset 0 Hz
	Agilent Spectrum Analyzer - Occupied BW RL RF 50 Ω AC SENSE:PULSE ALIGN: AUTO 11:30:02 AM Mar 30, 2018 Center Freq 2.402000000 GHz Center Freq: 2.402000000 GHz Trig: Free Run Avg/Hold: 1/1 Radio Std: None #IFGain: Low #Atten: 30 dB Radio Device: BTS Ref Offset 7.01 dB Ref 20.00 dBm Mkr1 2.402162 GHz -4.4117 dBm 10 dB/div Log  Center 2.402 GHz #Res BW 30 kHz #VBW 100 kHz Span 2 MHz Sweep 2.133 ms Occupied Bandwidth 1.1822 MHz Total Power 4.82 dBm Transmit Freq Error 3.093 kHz OBW Power 99.00 % x dB Bandwidth 1.293 MHz x dB -20.00 dB MSG STATUS	Frequency Center Freq 2.402000000 GHz CF Step 200.000 kHz Man Freq Offset 0 Hz

8DPSK/MCH



Frequency

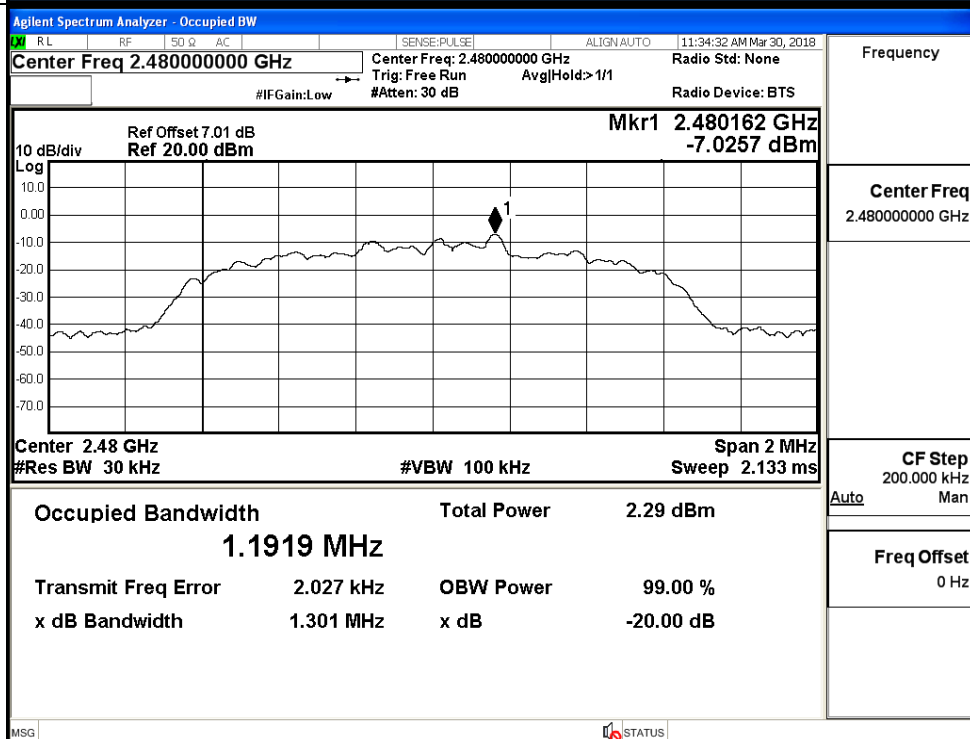
Center Freq
2.441000000 GHz

CF Step
200.000 kHz

Auto

Freq Offset
0 Hz

8DPSK/HCH



Frequency

Center Freq
2.480000000 GHz

CF Step
200.000 kHz

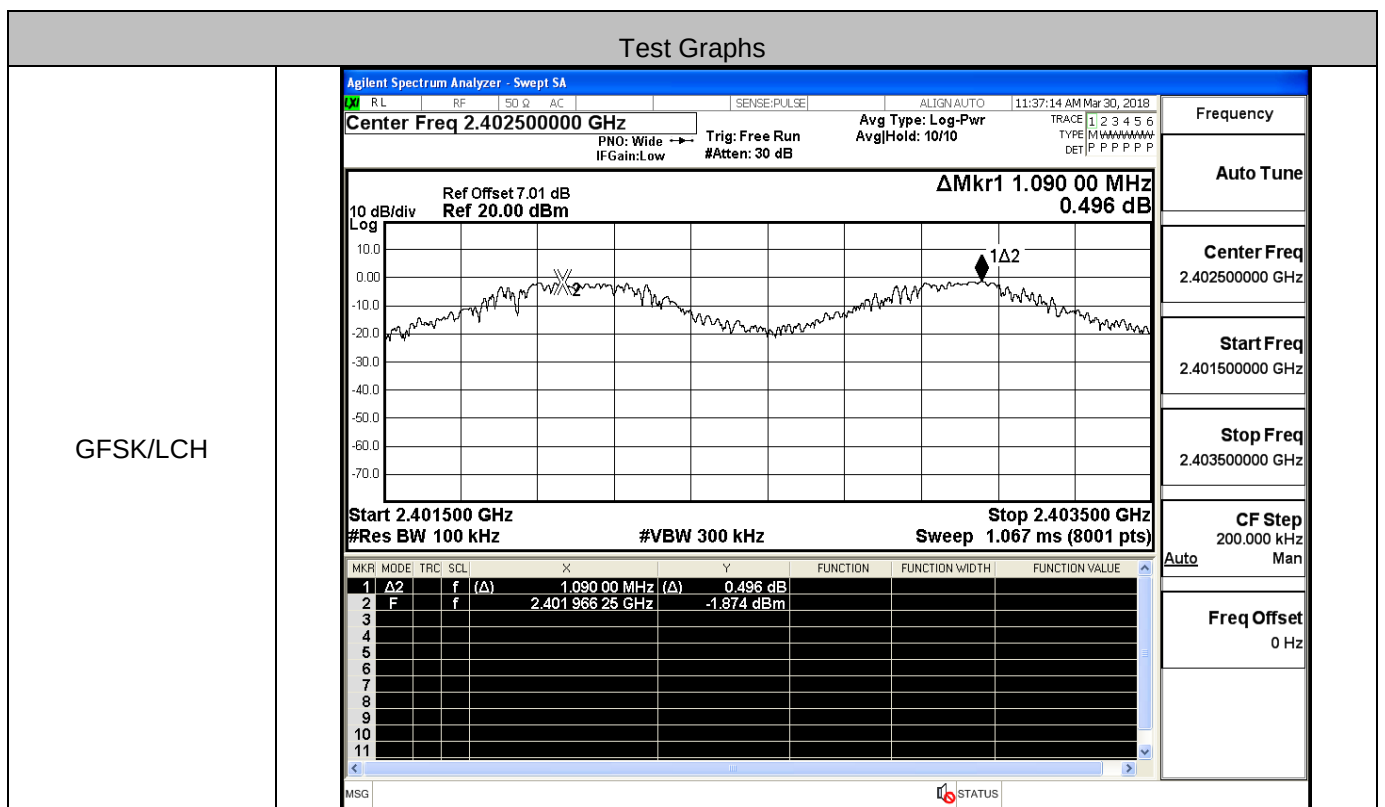
Auto

Freq Offset
0 Hz

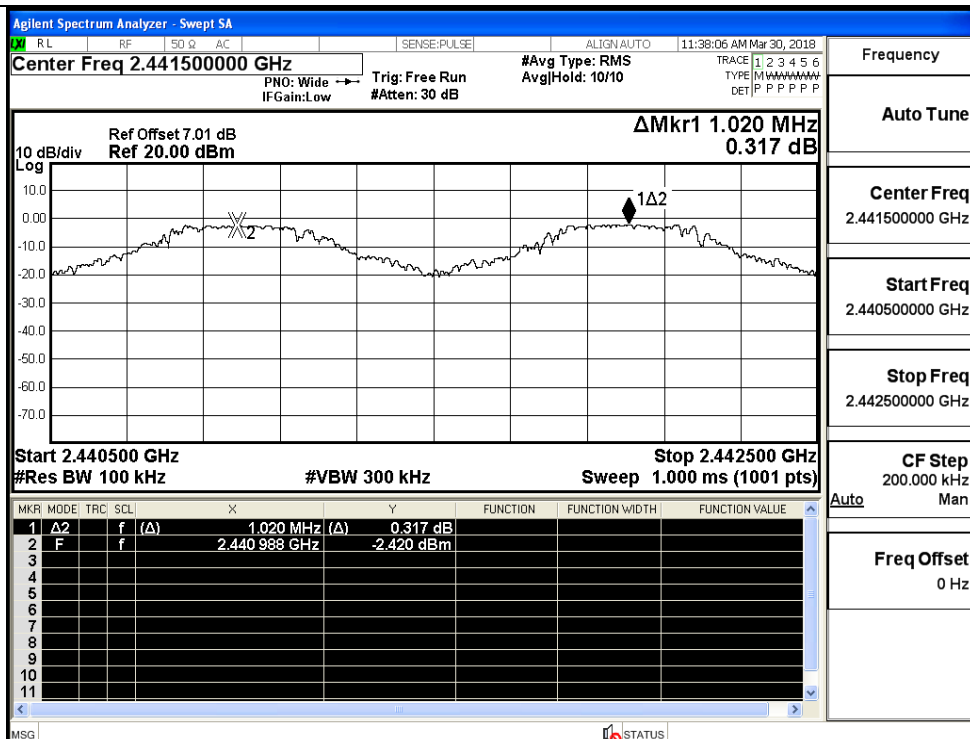
A.3 Carrier Frequency Separation

Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.090	0.689	PASS
	MCH	1.020	0.689	PASS
	HCH	0.972	0.689	PASS
$\pi/4$ DQPSK	LCH	1.022	0.875	PASS
	MCH	0.952	0.875	PASS
	HCH	1.018	0.875	PASS
8DPSK	LCH	1.172	0.867	PASS
	MCH	1.016	0.867	PASS
	HCH	1.068	0.867	PASS

Test Graphs



GFSK/MCH



Frequency

Auto Tune

Center Freq
2.441500000 GHz

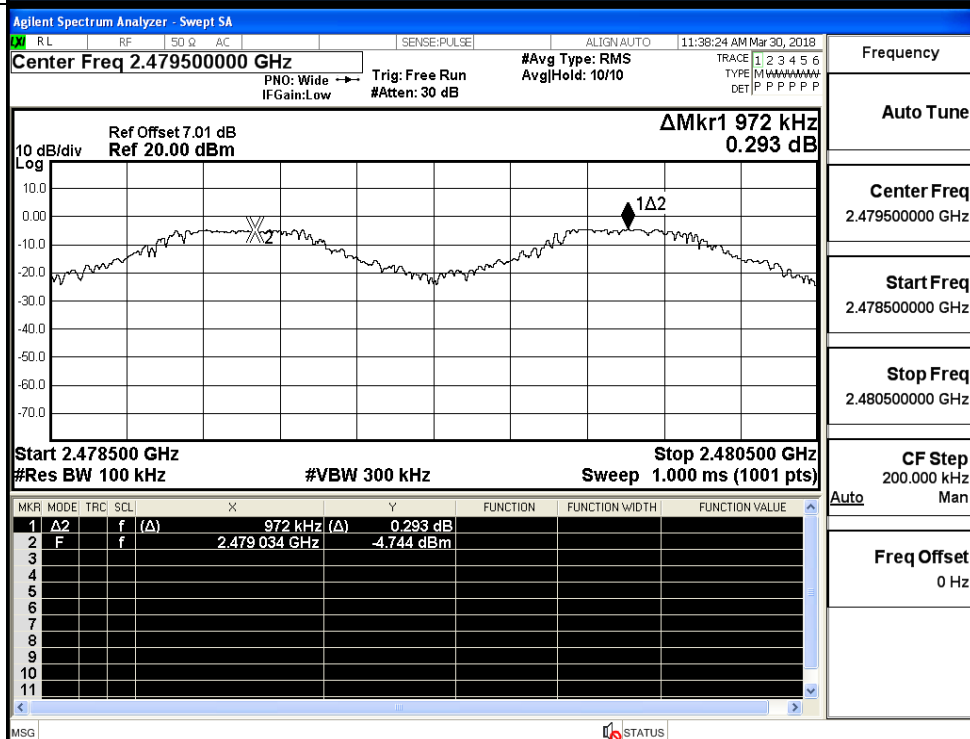
Start Freq
2.440500000 GHz

Stop Freq
2.442500000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

GFSK/HCH



Frequency

Auto Tune

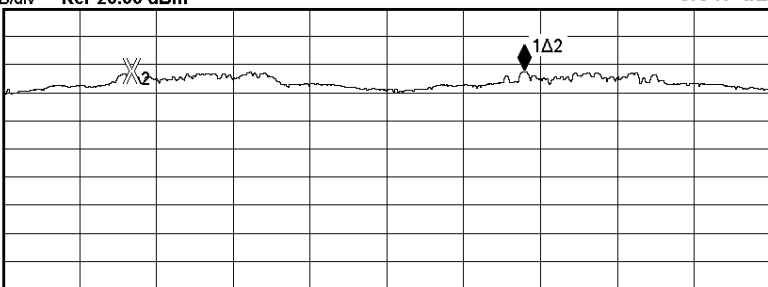
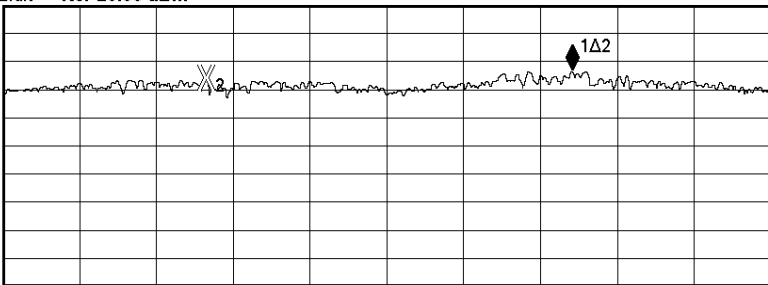
Center Freq
2.479500000 GHz

Start Freq
2.478500000 GHz

Stop Freq
2.480500000 GHz

CF Step
200.000 kHz
Man

Freq Offset
0 Hz

$\pi/4$ DQPSK/LCH	Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:48:16 AM Mar 30, 2018 Center Freq 2.402500000 GHz PN0: Wide IFGain:Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 10/10 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P P P P P P P Ref Offset 7.01 dB Ref 20.00 dBm ΔMkr1 1.022 MHz -0.047 dB 10 dB/div Log  Start 2.401500 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.403500 GHz 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>Δ2</td><td>f</td><td>(Δ)</td><td>1.022 MHz</td><td>(Δ)</td><td>-0.047 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>f</td><td></td><td>2.401836 GHz</td><td></td><td>-2.412 dBm</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	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	f	(Δ)	1.022 MHz	(Δ)	-0.047 dB			2	F	f		2.401836 GHz		-2.412 dBm			3									4									5									6									7									8									9									10									11								
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																				
	1	Δ 2	f	(Δ)	1.022 MHz	(Δ)	-0.047 dB																																																																																																						
	2	F	f		2.401836 GHz		-2.412 dBm																																																																																																						
	3																																																																																																												
4																																																																																																													
5																																																																																																													
6																																																																																																													
7																																																																																																													
8																																																																																																													
9																																																																																																													
10																																																																																																													
11																																																																																																													
$\pi/4$ DQPSK/MCH	Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:42:16 AM Mar 30, 2018 Center Freq 2.441500000 GHz PN0: Wide IFGain:Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 10/10 TRACE 1 2 3 4 5 6 TYPE M W W W W W W W DET P P P P P P P Ref Offset 7.01 dB Ref 20.00 dBm ΔMkr1 952 kHz 2.260 dB 10 dB/div Log  Start 2.440500 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.442500 GHz 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>Δ2</td><td>f</td><td>(Δ)</td><td>952 kHz</td><td>(Δ)</td><td>2.260 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>f</td><td></td><td>2.441030 GHz</td><td></td><td>-5.844 dBm</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 2.441500000 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	Δ 2	f	(Δ)	952 kHz	(Δ)	2.260 dB			2	F	f		2.441030 GHz		-5.844 dBm			3									4									5									6									7									8									9									10									11								
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																				
	1	Δ 2	f	(Δ)	952 kHz	(Δ)	2.260 dB																																																																																																						
	2	F	f		2.441030 GHz		-5.844 dBm																																																																																																						
	3																																																																																																												
4																																																																																																													
5																																																																																																													
6																																																																																																													
7																																																																																																													
8																																																																																																													
9																																																																																																													
10																																																																																																													
11																																																																																																													

Frequency

Auto Tune

Center Freq 2.441500000 GHz

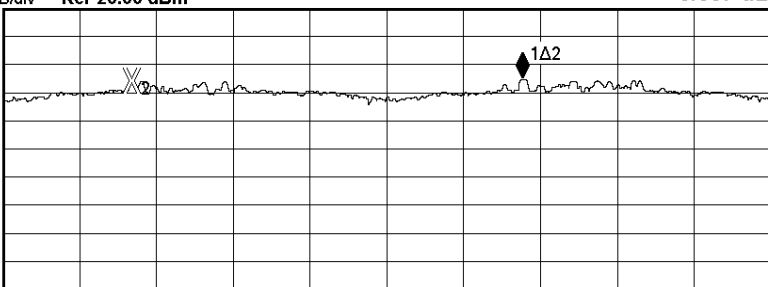
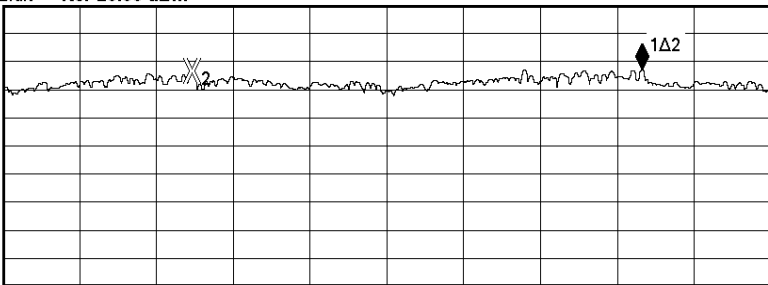
Start Freq 2.440500000 GHz

Stop Freq 2.442500000 GHz

CF Step 200.000 kHz

Auto Man

Freq Offset 0 Hz

$\pi/4$ DQPSK/HCH	Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:49:24 AM Mar 30, 2018 Center Freq 2.479500000 GHz PN0: Wide IFGain:Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 10/10 TRACE 1 2 3 4 5 6 TYPE M W W W W W W DET P P P P P P P Ref Offset 7.01 dB Ref 20.00 dBm ΔMkr1 1.018 MHz 0.637 dB 10 dB/div Log  Start 2.478500 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.480500 GHz 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>Δ2</td><td>f</td><td>(Δ)</td><td>1.018 MHz</td><td>(Δ)</td><td>0.637 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>f</td><td></td><td>2.478 836 GHz</td><td></td><td>-5.915 dBm</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 2.479500000 GHz Start Freq 2.478500000 GHz Stop Freq 2.480500000 GHz CF Step 200.000 kHz Man Auto Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	f	(Δ)	1.018 MHz	(Δ)	0.637 dB			2	F	f		2.478 836 GHz		-5.915 dBm			3									4									5									6									7									8									9									10									11								
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																					
1	Δ 2	f	(Δ)	1.018 MHz	(Δ)	0.637 dB																																																																																																							
2	F	f		2.478 836 GHz		-5.915 dBm																																																																																																							
3																																																																																																													
4																																																																																																													
5																																																																																																													
6																																																																																																													
7																																																																																																													
8																																																																																																													
9																																																																																																													
10																																																																																																													
11																																																																																																													
8DPSK/LCH	Agilent Spectrum Analyzer - Swept SA RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 11:50:22 AM Mar 30, 2018 Center Freq 2.402500000 GHz PN0: Wide IFGain:Low Trig: Free Run #Atten: 30 dB #Avg Type: RMS Avg/Hold: 10/10 TRACE 1 2 3 4 5 6 TYPE M W W W W W W DET P P P P P P P Ref Offset 7.01 dB Ref 20.00 dBm ΔMkr1 1.172 MHz 0.385 dB 10 dB/div Log  Start 2.401500 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.403500 GHz 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>Δ2</td><td>f</td><td>(Δ)</td><td>1.172 MHz</td><td>(Δ)</td><td>0.385 dB</td><td></td><td></td></tr><tr><td>2</td><td>F</td><td>f</td><td></td><td>2.401 992 GHz</td><td></td><td>-3.338 dBm</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 Man Auto Freq Offset 0 Hz	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	f	(Δ)	1.172 MHz	(Δ)	0.385 dB			2	F	f		2.401 992 GHz		-3.338 dBm			3									4									5									6									7									8									9									10									11								
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																					
1	Δ 2	f	(Δ)	1.172 MHz	(Δ)	0.385 dB																																																																																																							
2	F	f		2.401 992 GHz		-3.338 dBm																																																																																																							
3																																																																																																													
4																																																																																																													
5																																																																																																													
6																																																																																																													
7																																																																																																													
8																																																																																																													
9																																																																																																													
10																																																																																																													
11																																																																																																													

Frequency

Auto Tune

Center Freq 2.402500000 GHz

Start Freq 2.401500000 GHz

Stop Freq 2.403500000 GHz

CF Step 200.000 kHz

Man

Auto

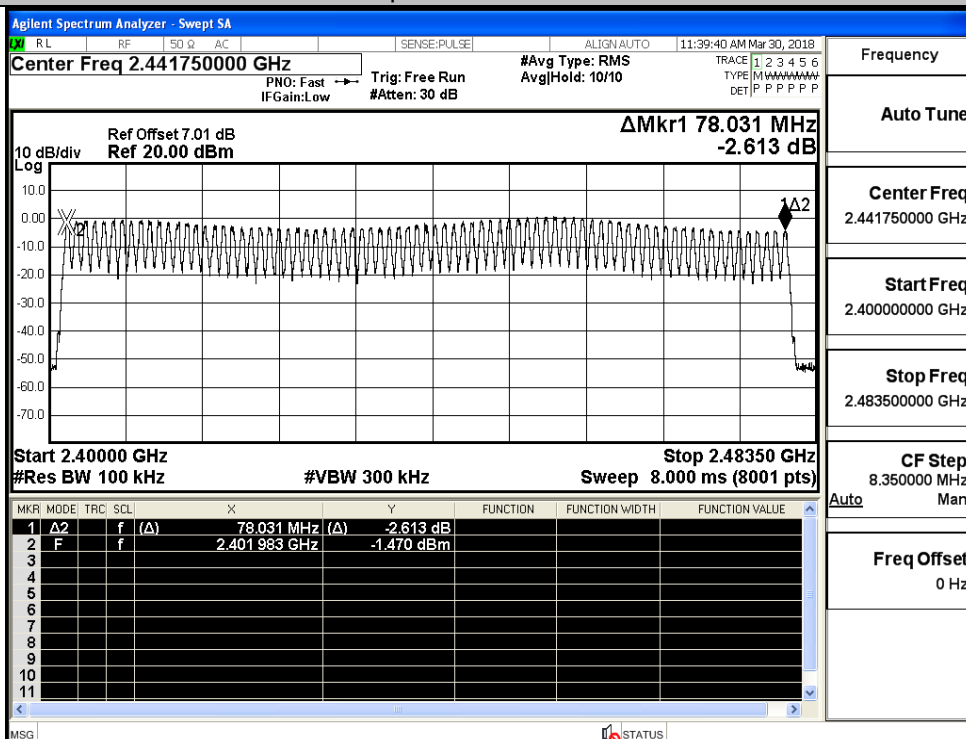
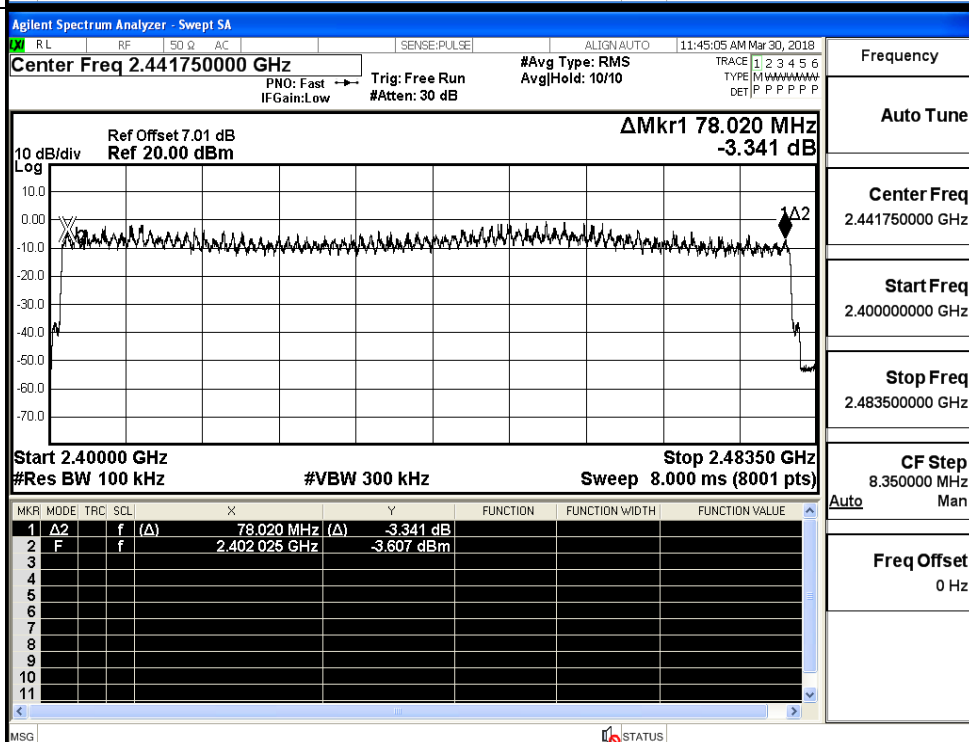
Freq Offset 0 Hz

A.4 Hopping Channel Number

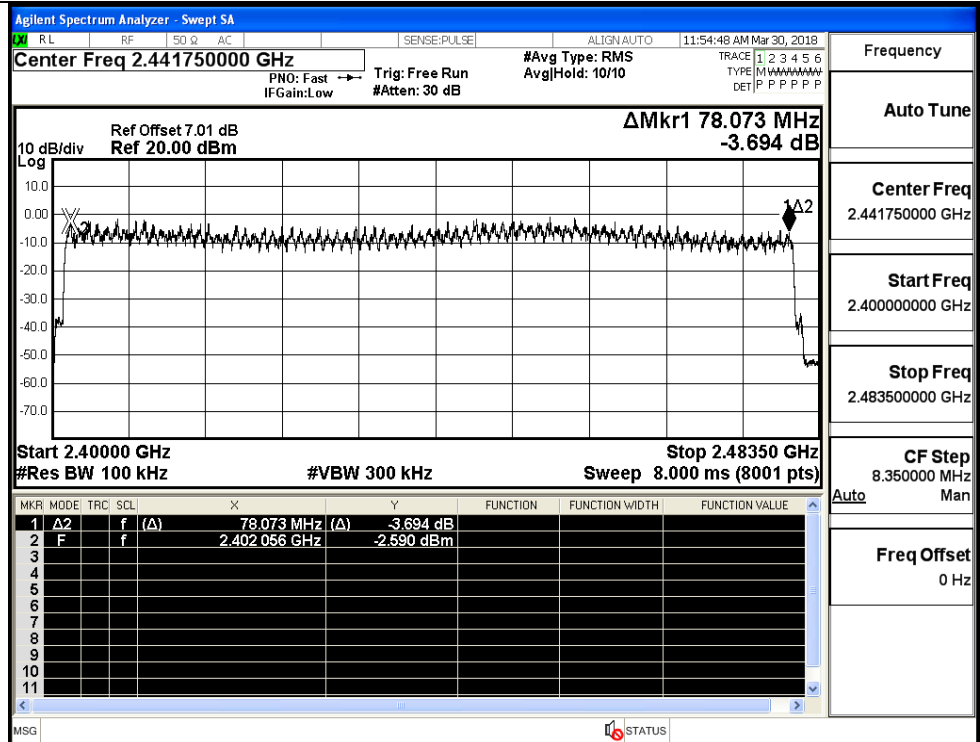
Mode	Channel.	Number of Hopping Channel [N]	Limit [N]	Verdict
GFSK	Hop	79	>=15	PASS
$\pi/4$ DQPSK	Hop	79	>=15	PASS
8DPSK	Hop	79	>=15	PASS

Test Graphs

GFSK/Hop

 $\pi/4$ DQPSK/Hop

8DPSK/Hop

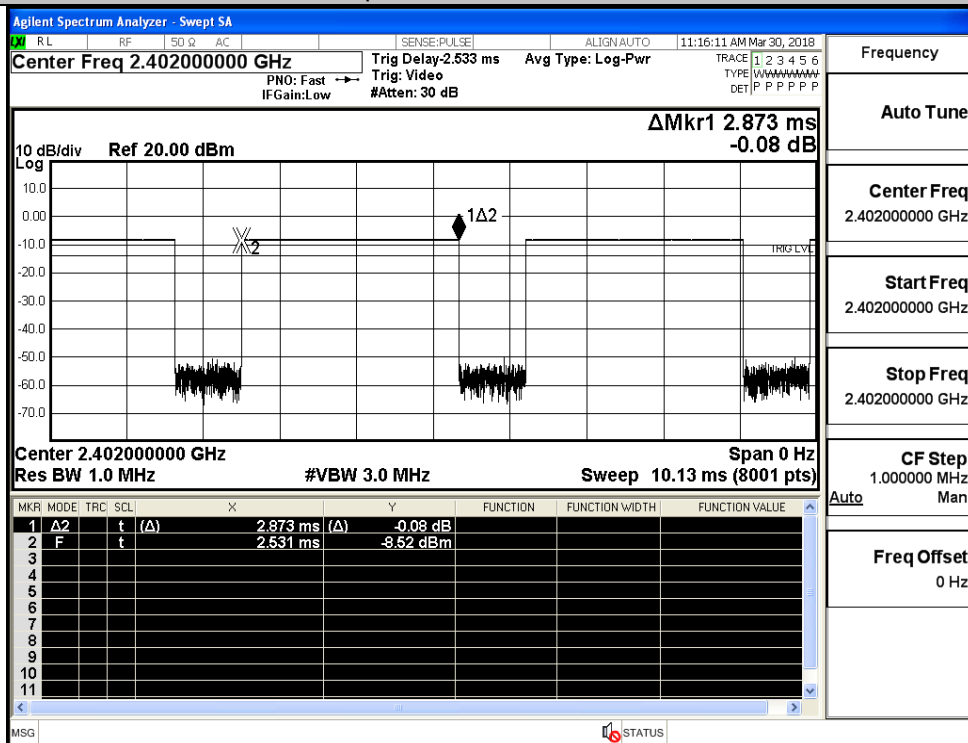


A.5 Dwell Time

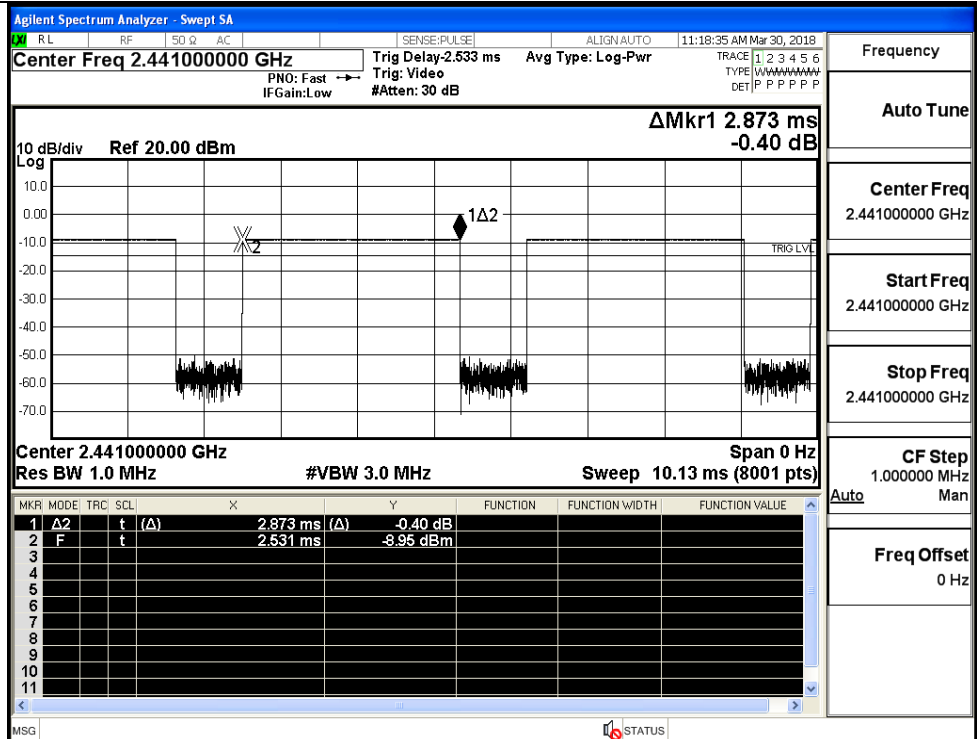
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.873	106.7	0.306	0.4	PASS
	DH5	MCH	2.873	106.7	0.306	0.4	PASS
	DH5	HCH	2.873	106.7	0.306	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.877	106.7	0.307	0.4	PASS
	2DH5	MCH	2.877	106.7	0.307	0.4	PASS
	2DH5	HCH	2.877	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.878	106.7	0.307	0.4	PASS
	3DH5	MCH	2.878	106.7	0.307	0.4	PASS
	3DH5	HCH	2.879	106.7	0.307	0.4	PASS

Test Graphs

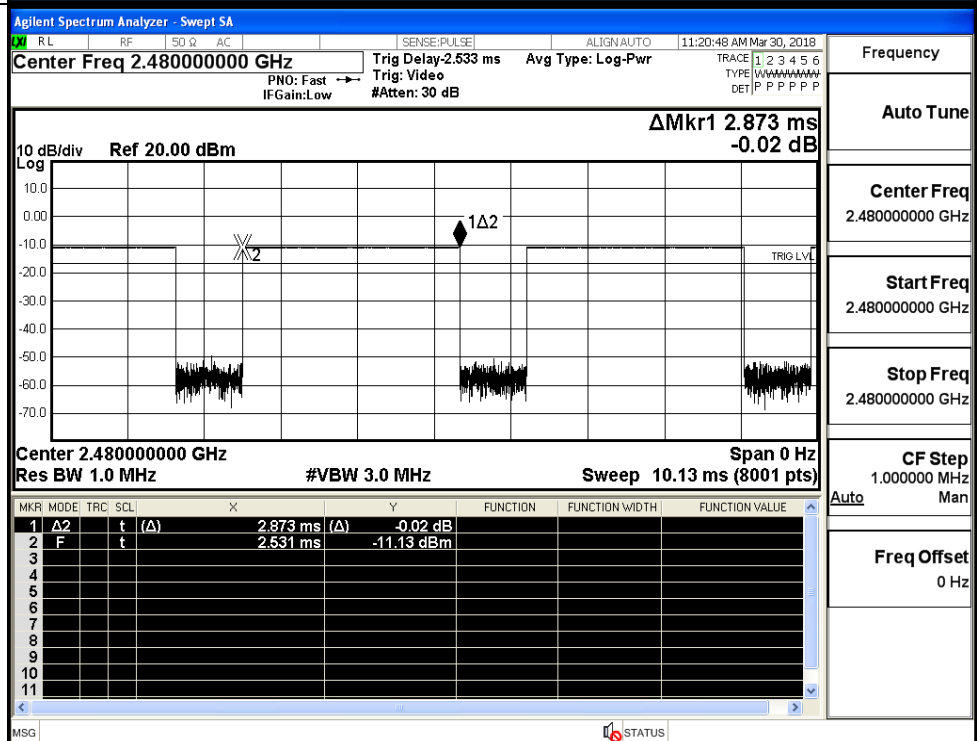
GFSK_DH5/LCH



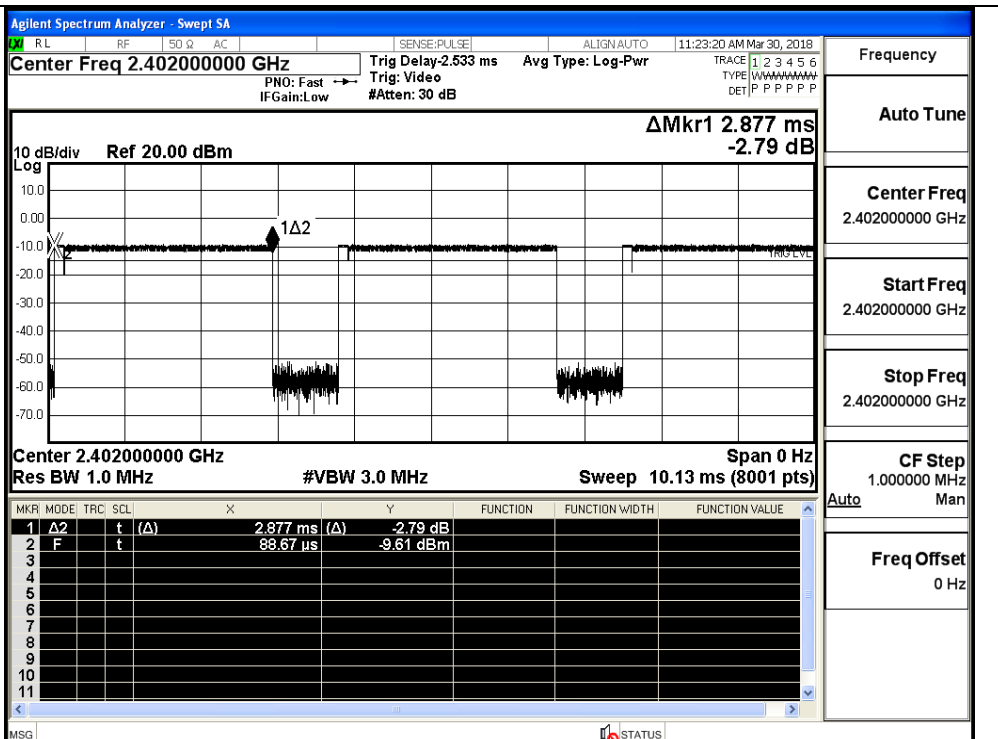
GFSK_DH5/MCH



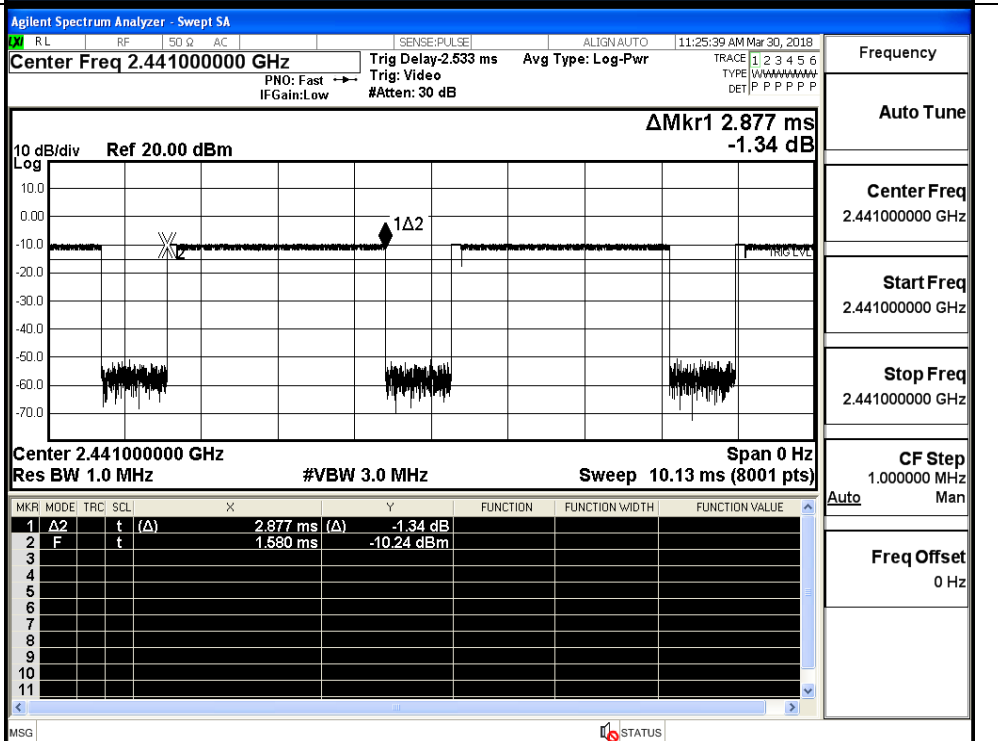
GFSK_DH5/HCH



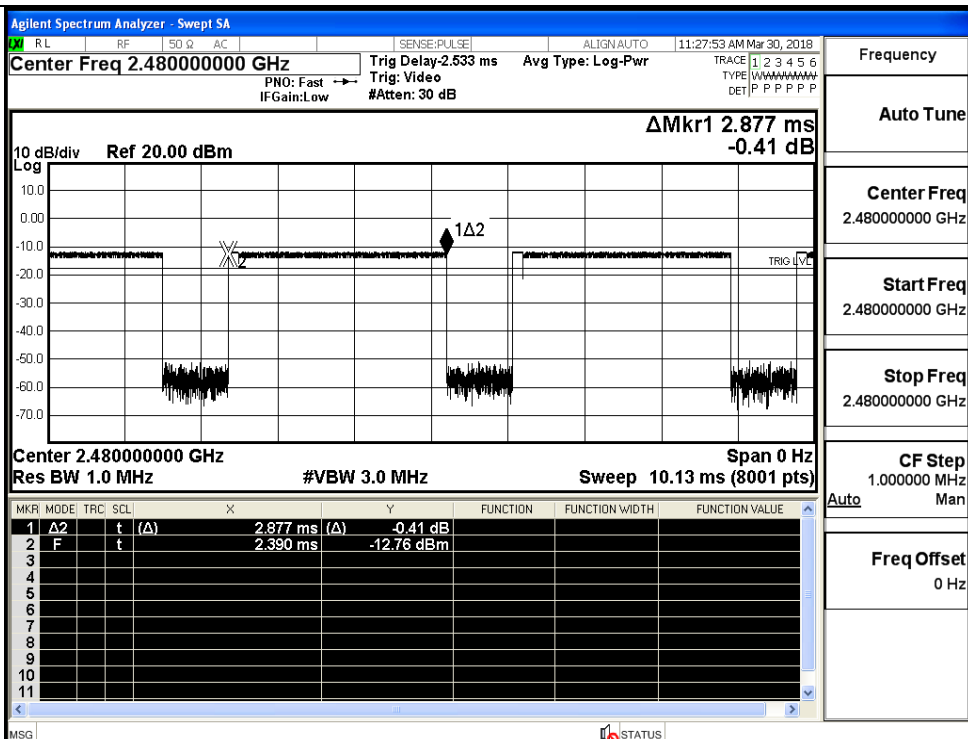
$\pi/4$ DQPSK
_2DH5/LCH



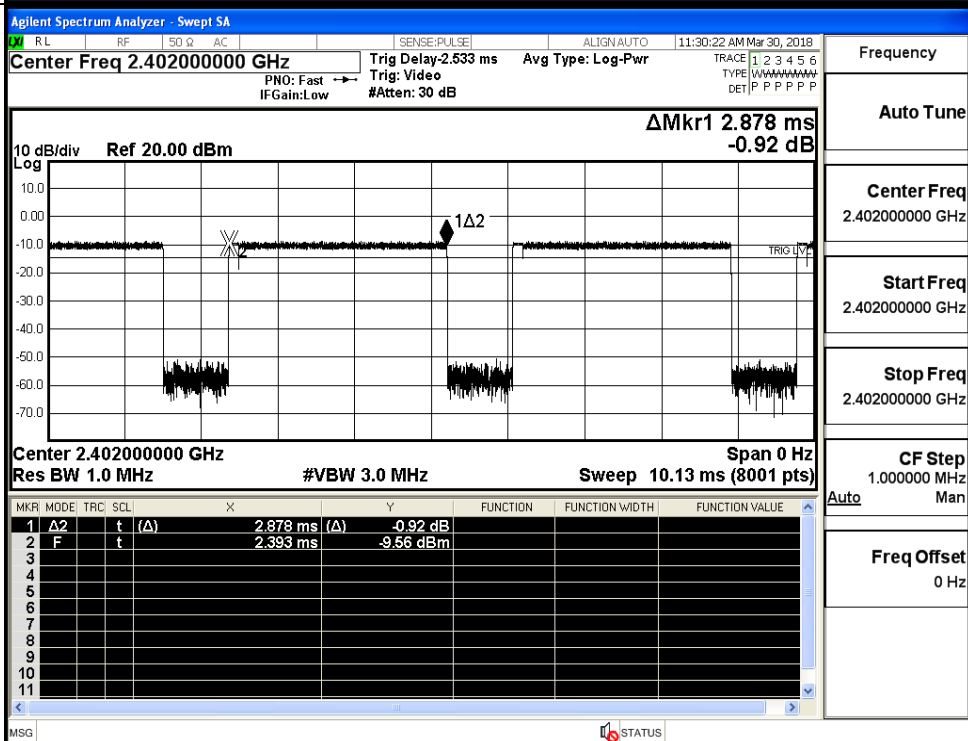
$\pi/4$ DQPSK
_2DH5/MCH



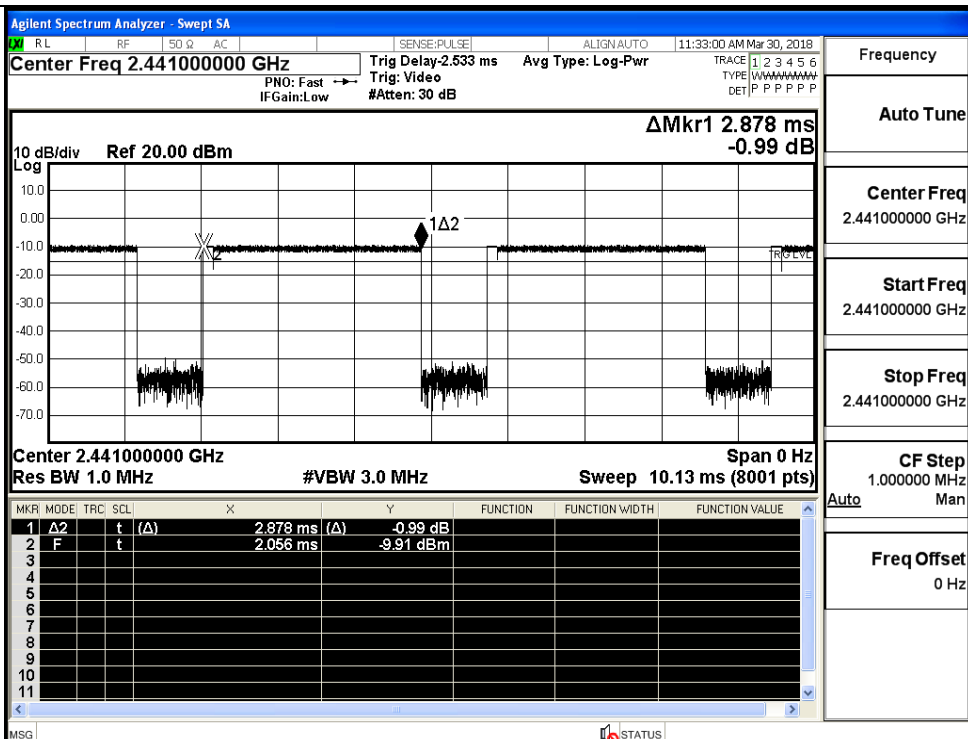
$\pi/4$ DQPSK
_2DH5/HCH



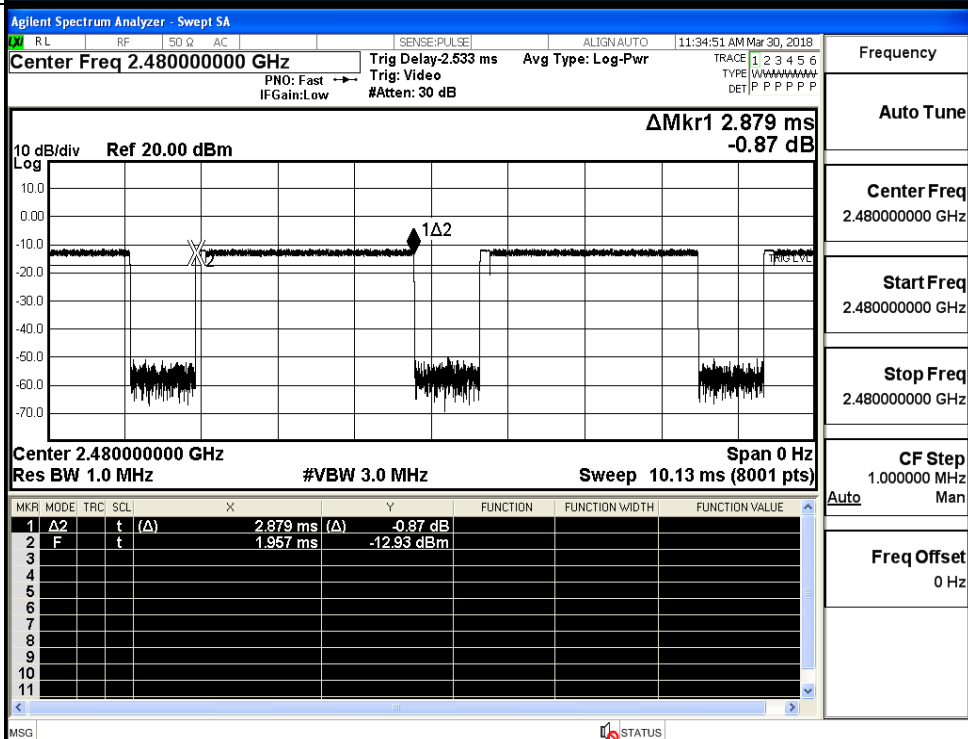
8DPSK_3DH5/LCH



8DPSK_3DH5/MCH



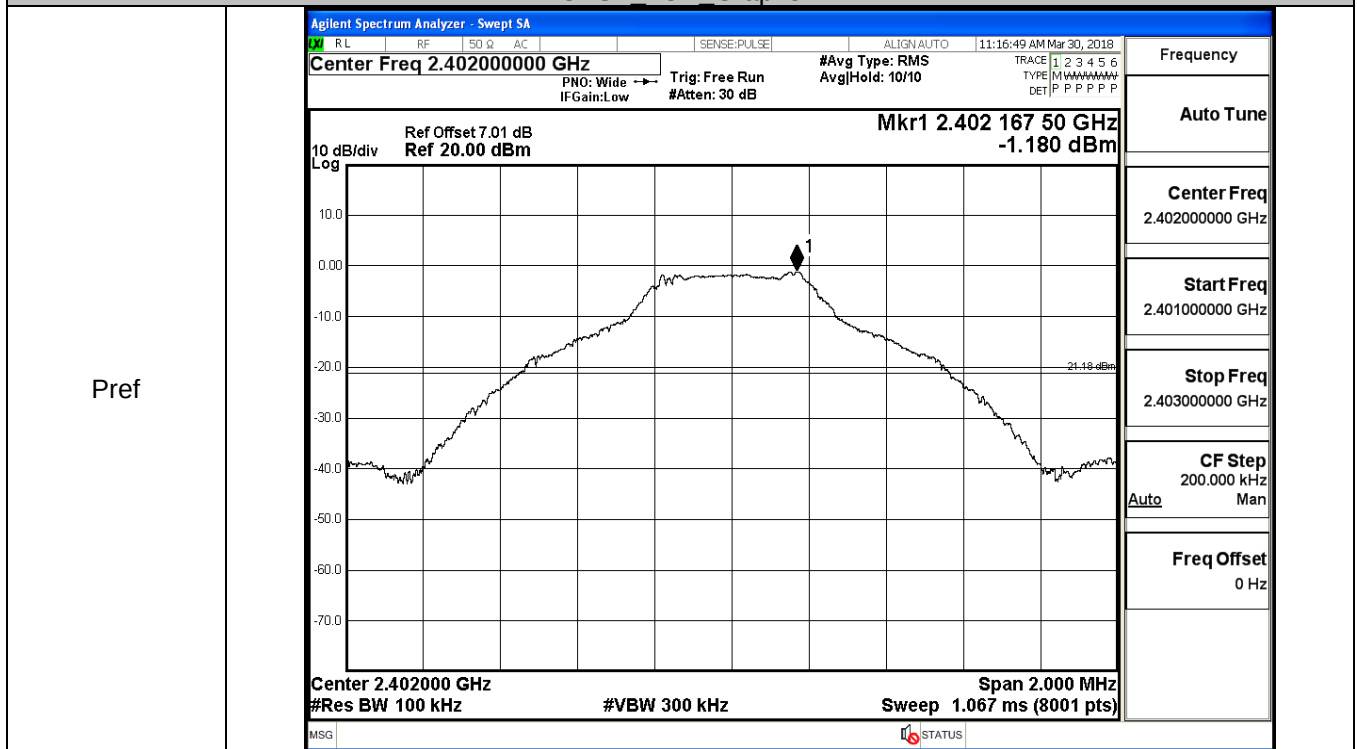
8DPSK_3DH5/HCH



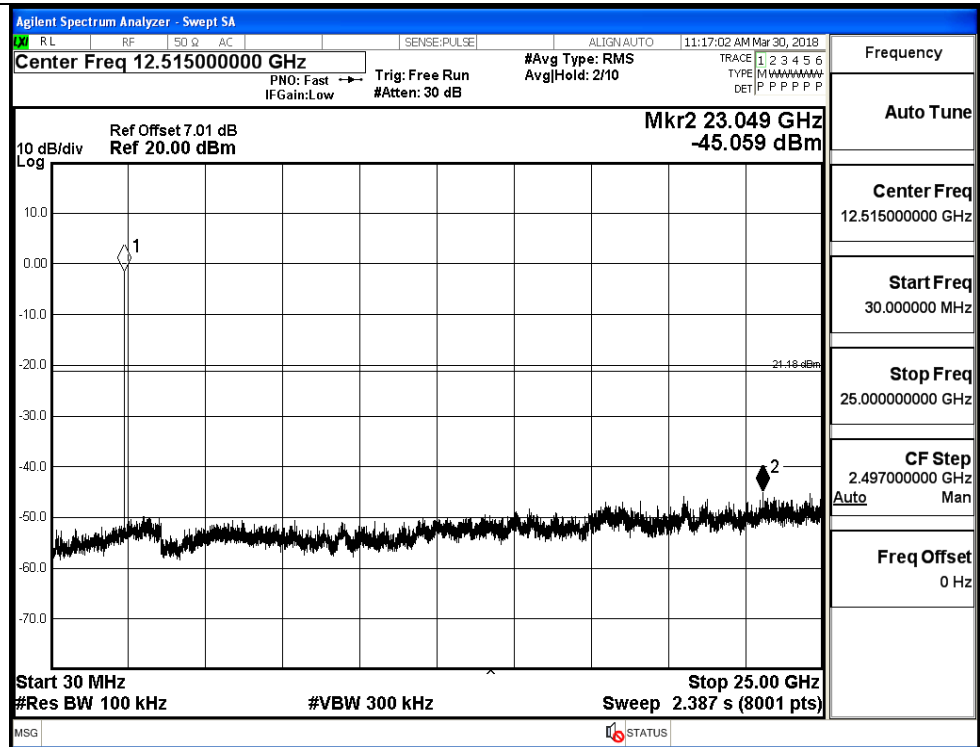
A.6 RF Conducted Spurious Emissions

Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-1.18	-45.059	-21.180	PASS
	MCH	-1.72	-45.806	-21.720	PASS
	HCH	-3.984	-45.692	-23.984	PASS
$\pi/4$ DQPSK	LCH	-2.499	-45.556	-22.499	PASS
	MCH	-2.872	-45.153	-22.872	PASS
	HCH	-5.053	-45.517	-25.053	PASS
8DPSK	LCH	-2.347	-45.109	-22.347	PASS
	MCH	-2.768	-44.110	-22.768	PASS
	HCH	-5.079	-32.810	-25.079	PASS

GFSK LCH Graphs

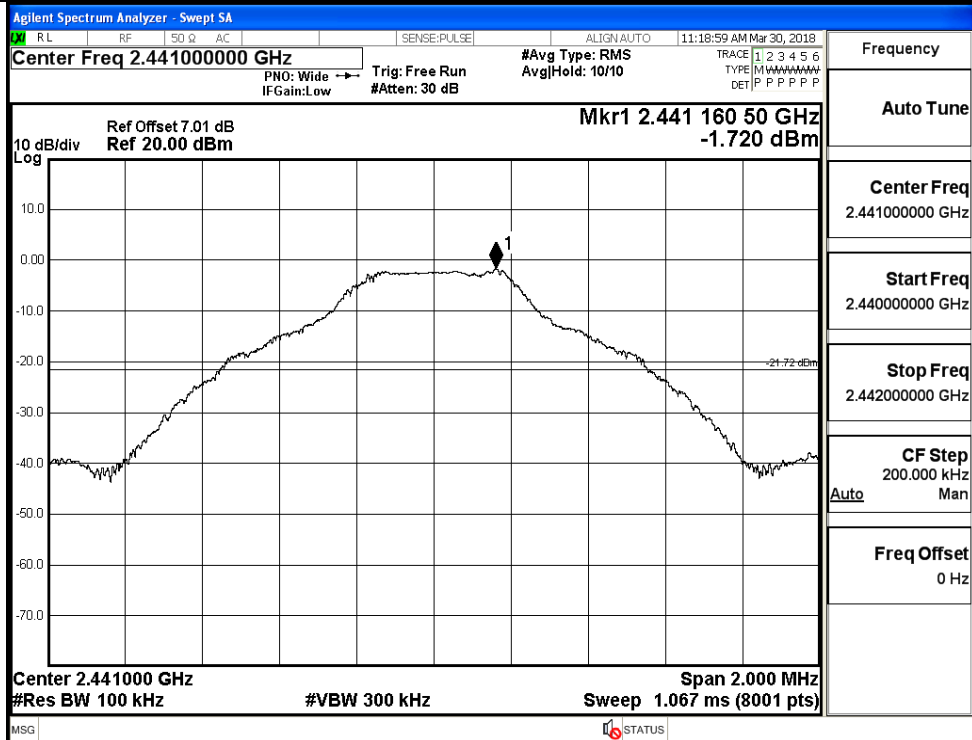


Puw

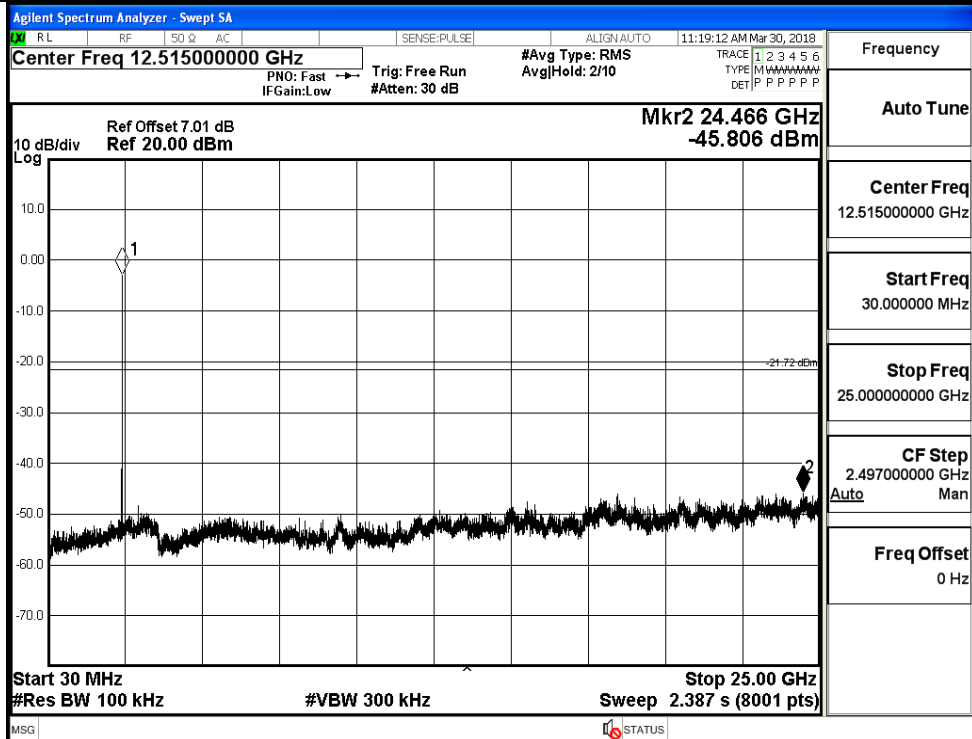


GFSK MCH_Graphs

Pref

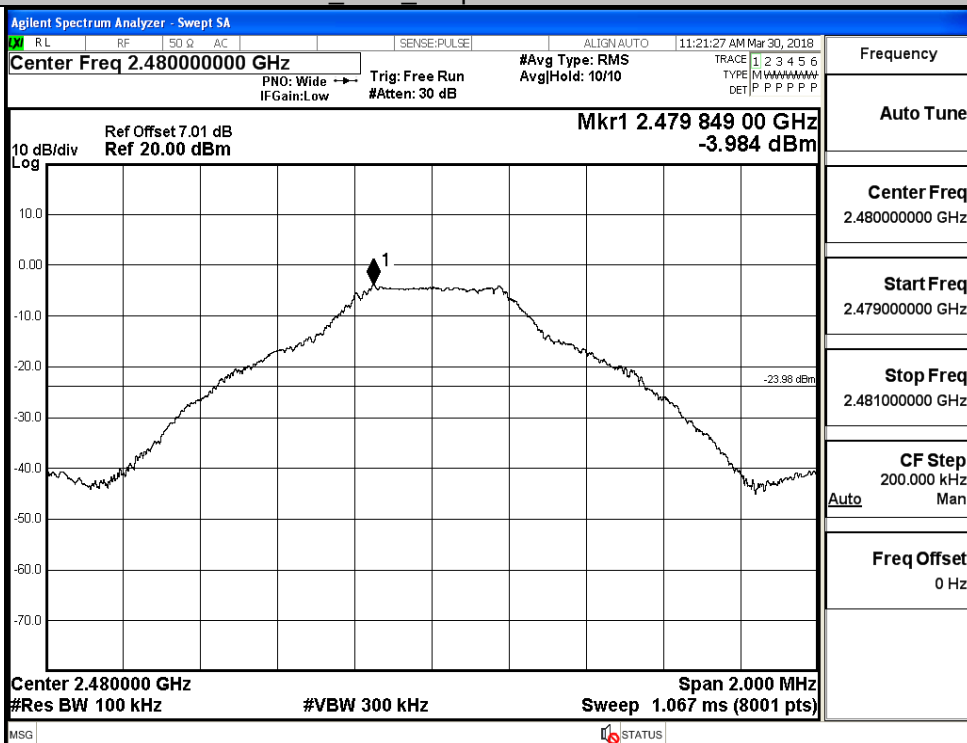


Puw

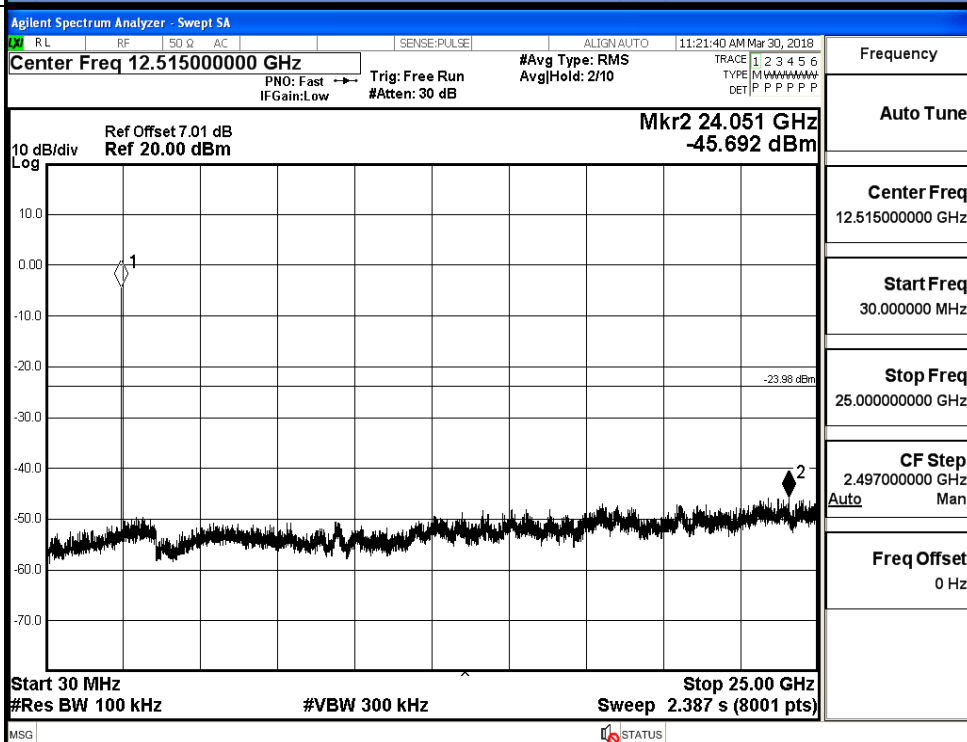


GFSK HCH Graphs

Pref

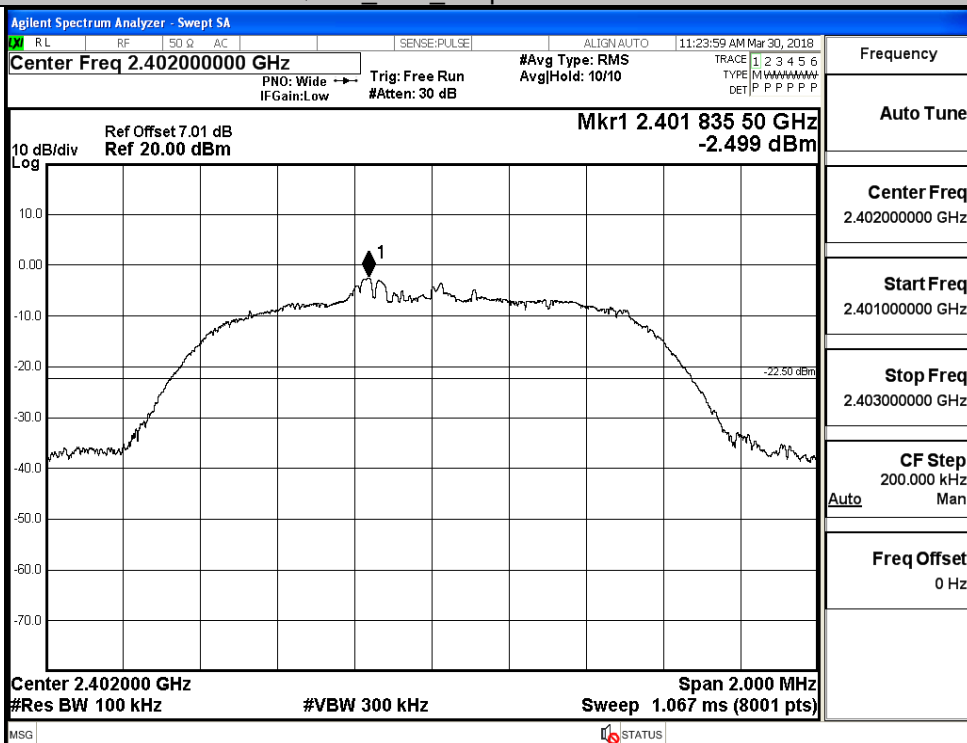


Puw

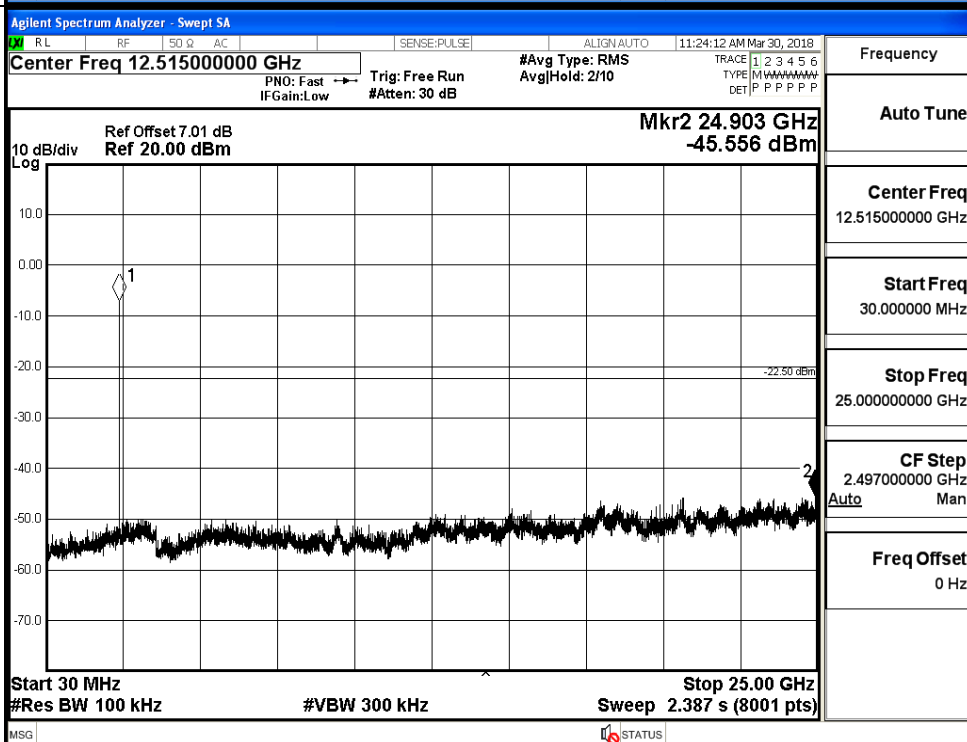


$\pi/4$ DQPSK LCH_Graphs

Pref

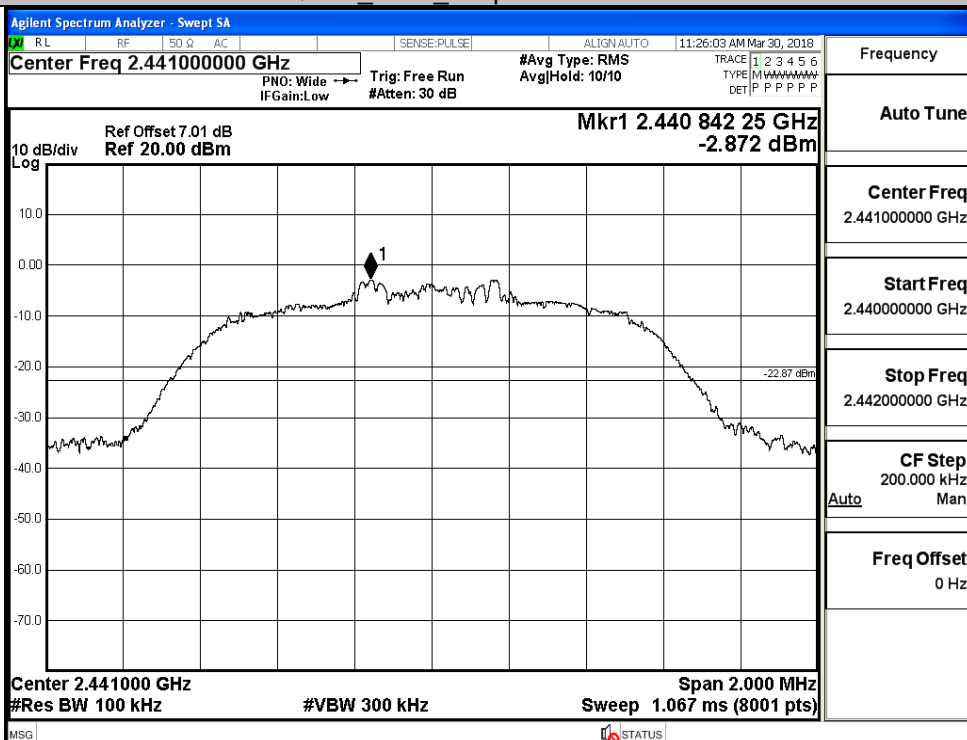


Puw

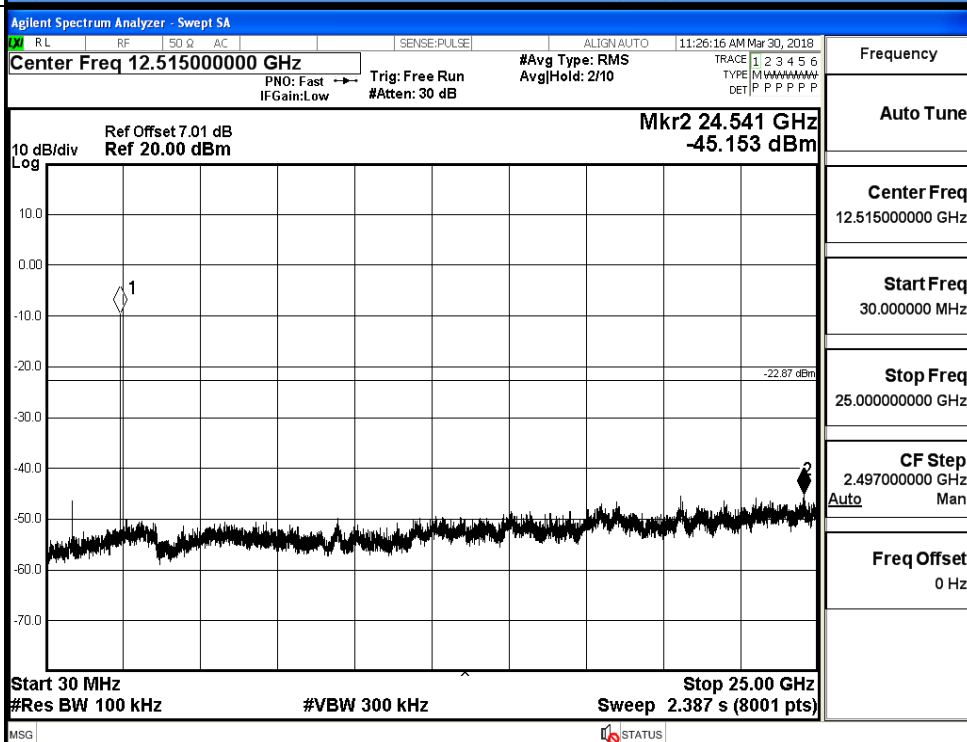


$\pi/4$ DQPSK MCH Graphs

Pref

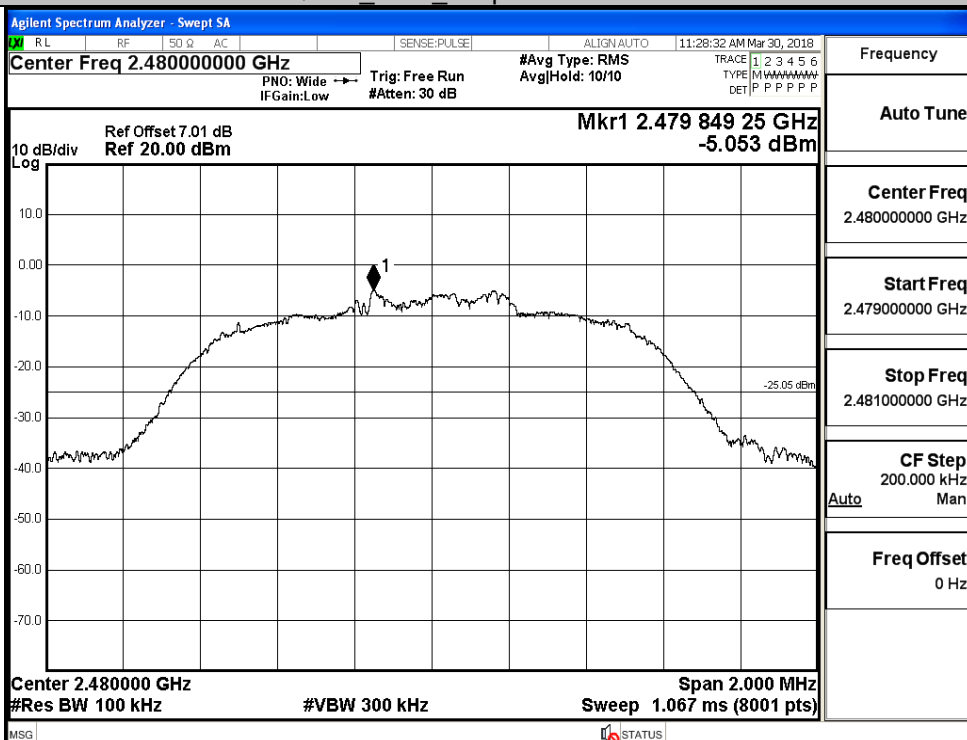


Puw

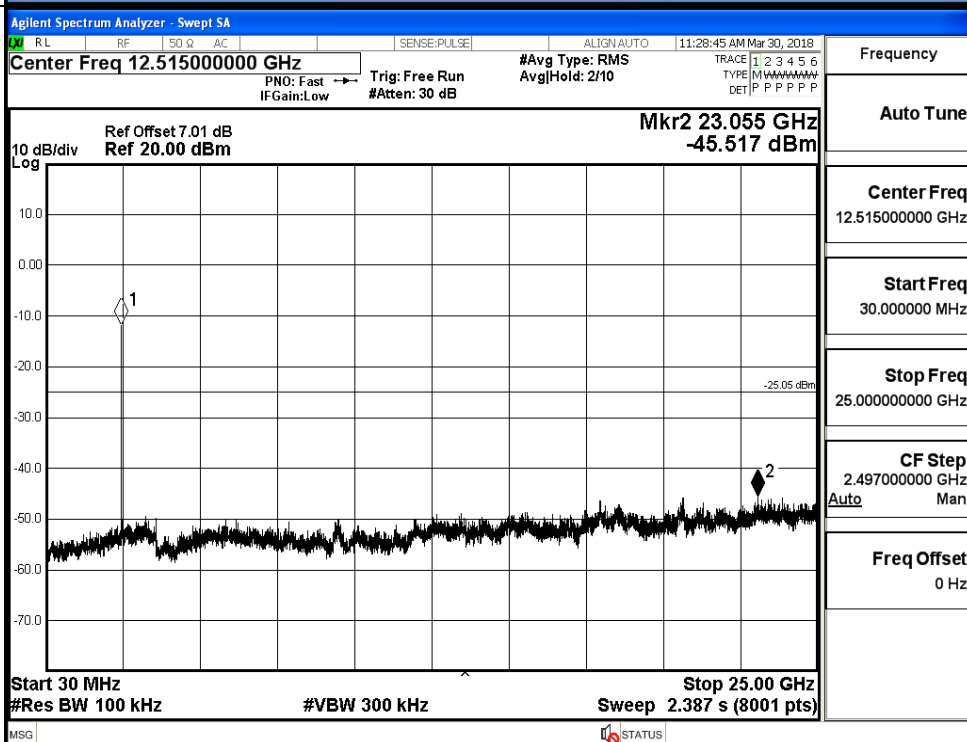


$\pi/4$ DQPSK HCH Graphs

Pref

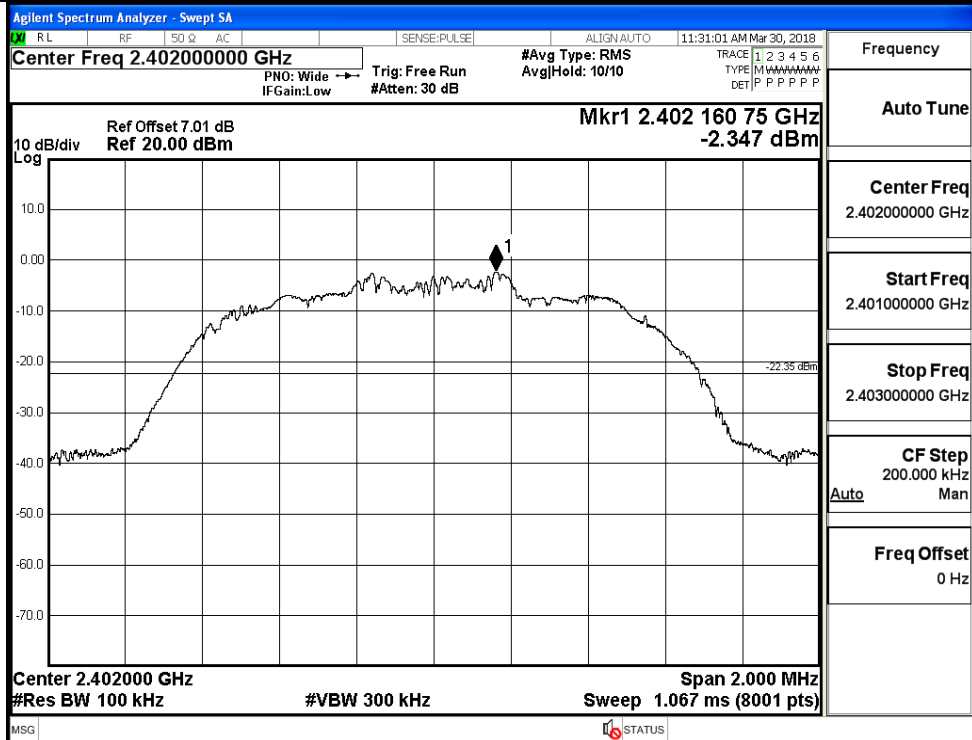


Puw

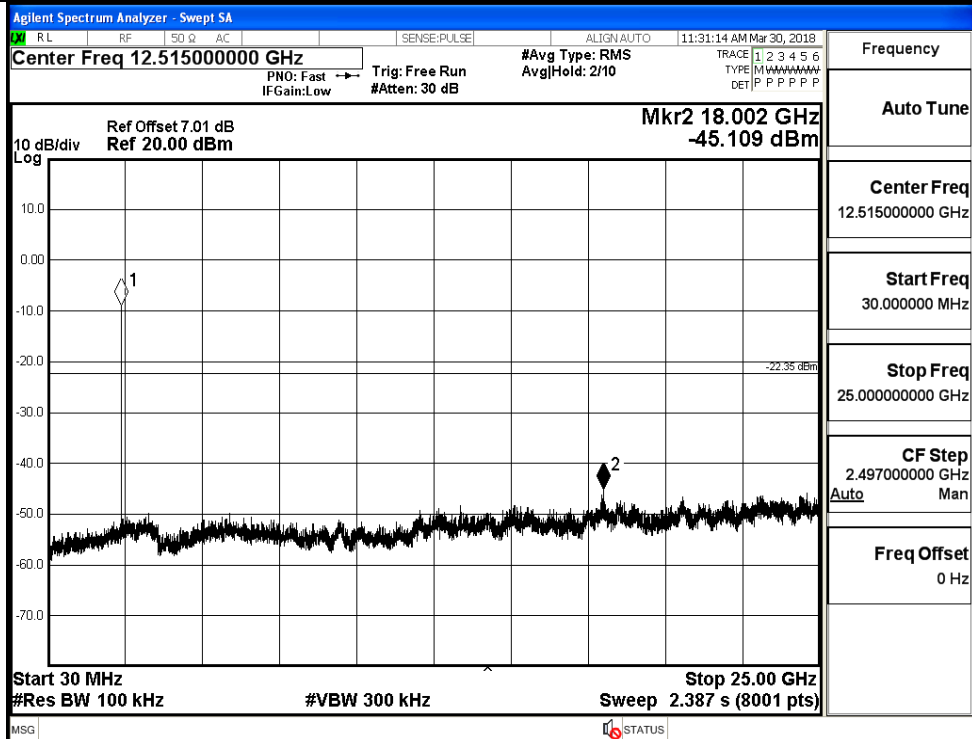


8DPSK LCH Graphs

Pref

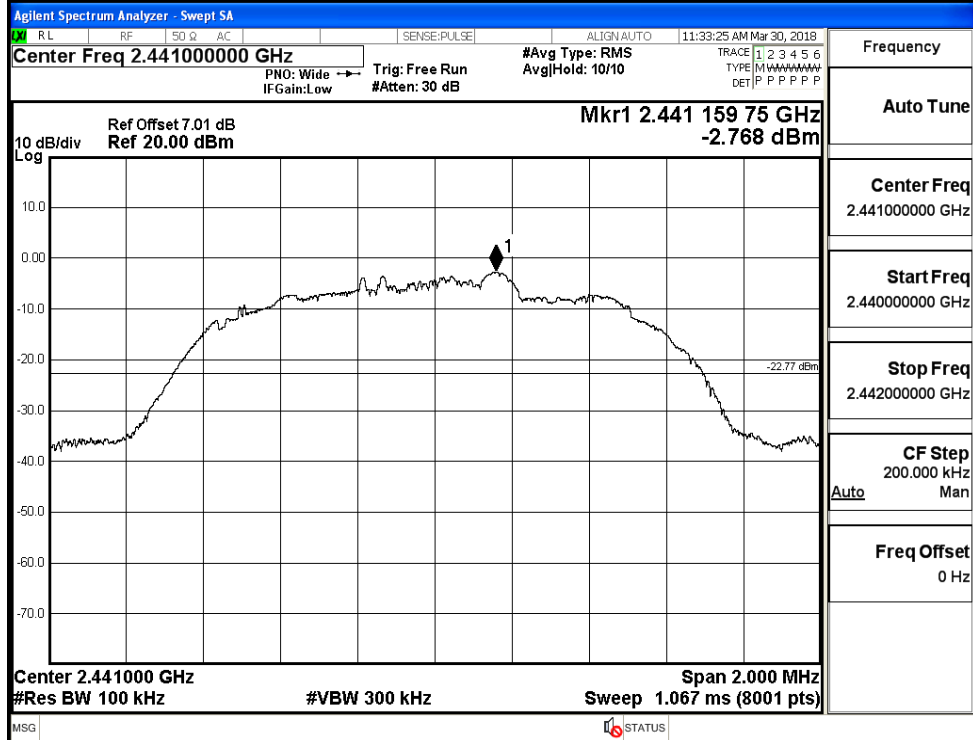


Puw

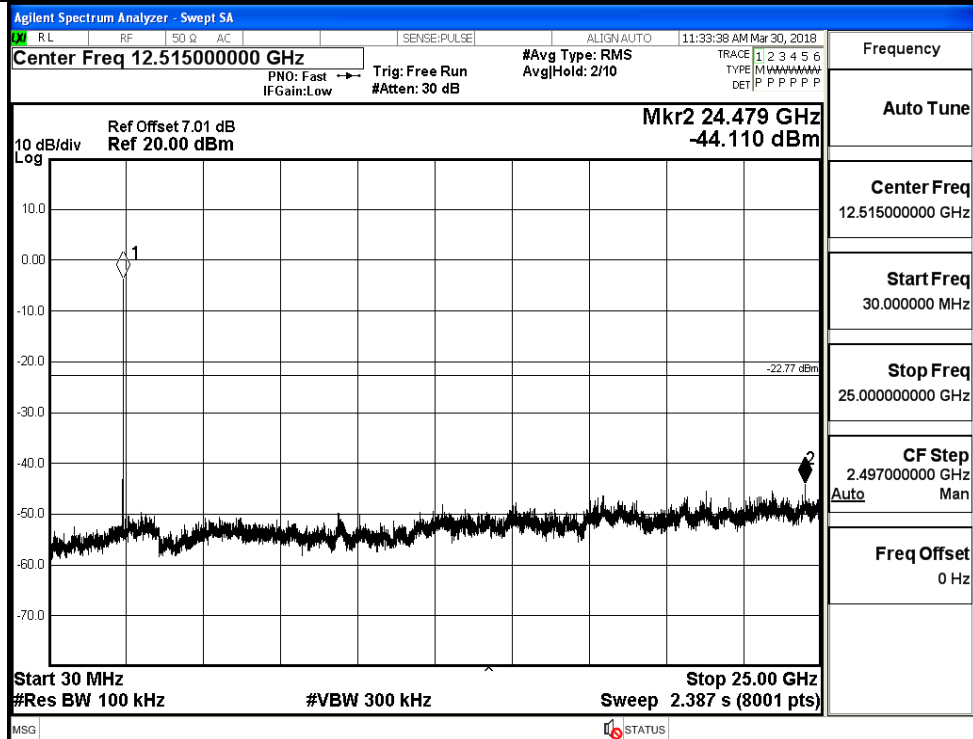


8DPSK MCH_Graphs

Pref

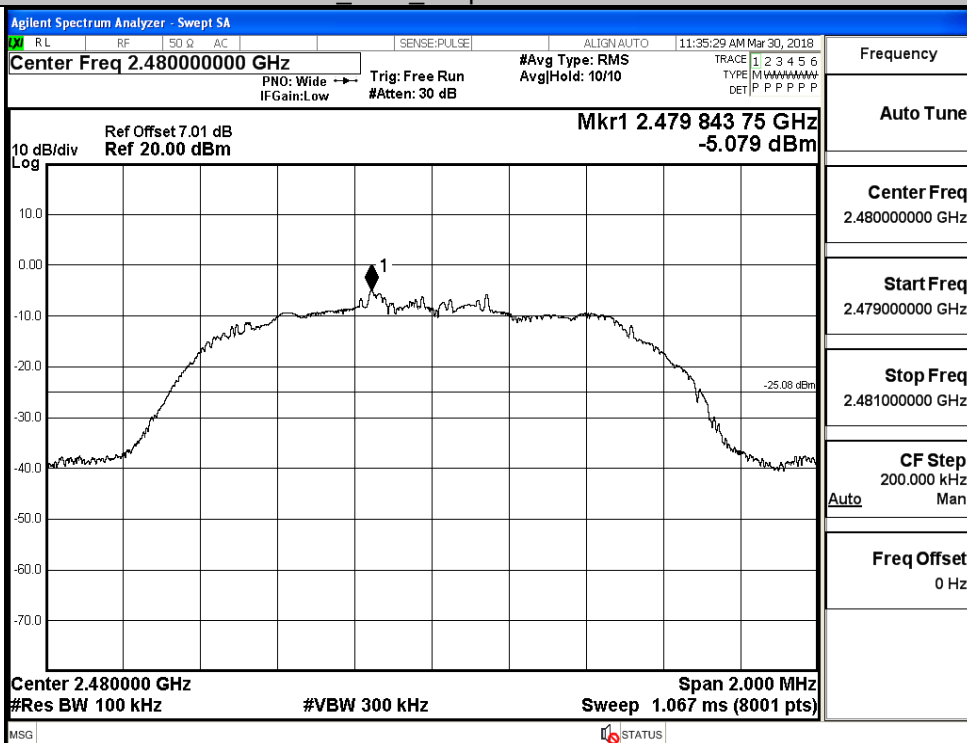


Puw

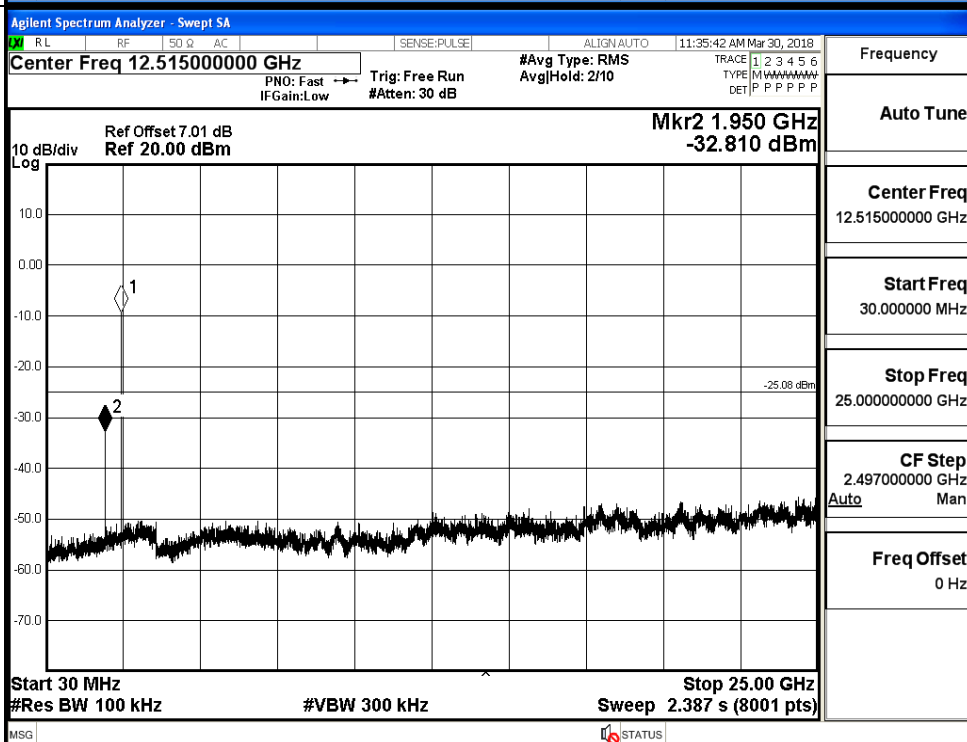


8DPSK HCH Graphs

Pref



Puw

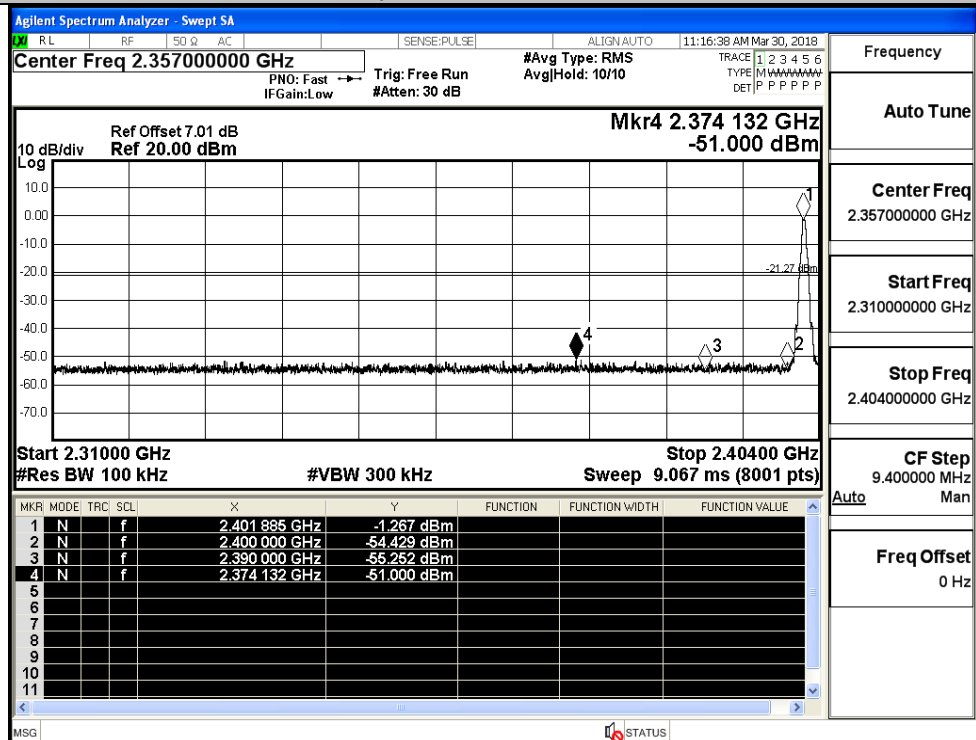


A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-1.267	Off	-51.000	-21.27	PASS
			-0.558	On	-50.833	-20.56	PASS
	HCH	2480	-3.878	Off	-50.138	-23.88	PASS
			0.863	On	-50.251	-19.14	PASS
$\pi/4$ DQPSK	LCH	2402	-2.644	Off	-50.869	-22.64	PASS
			-2.120	On	-50.685	-22.12	PASS
	HCH	2480	-4.822	Off	-51.196	-24.82	PASS
			-0.803	On	-50.549	-20.8	PASS
8DPSK	LCH	2402	-2.619	Off	-51.225	-22.62	PASS
			-1.642	On	-50.665	-21.64	PASS
	HCH	2480	-4.900	Off	-50.796	-24.9	PASS
			-0.635	On	-49.862	-20.64	PASS

Test Graphs

GFSK/LCH/No Hop



Frequency

Auto Tune

Center Freq
2.357000000 GHz

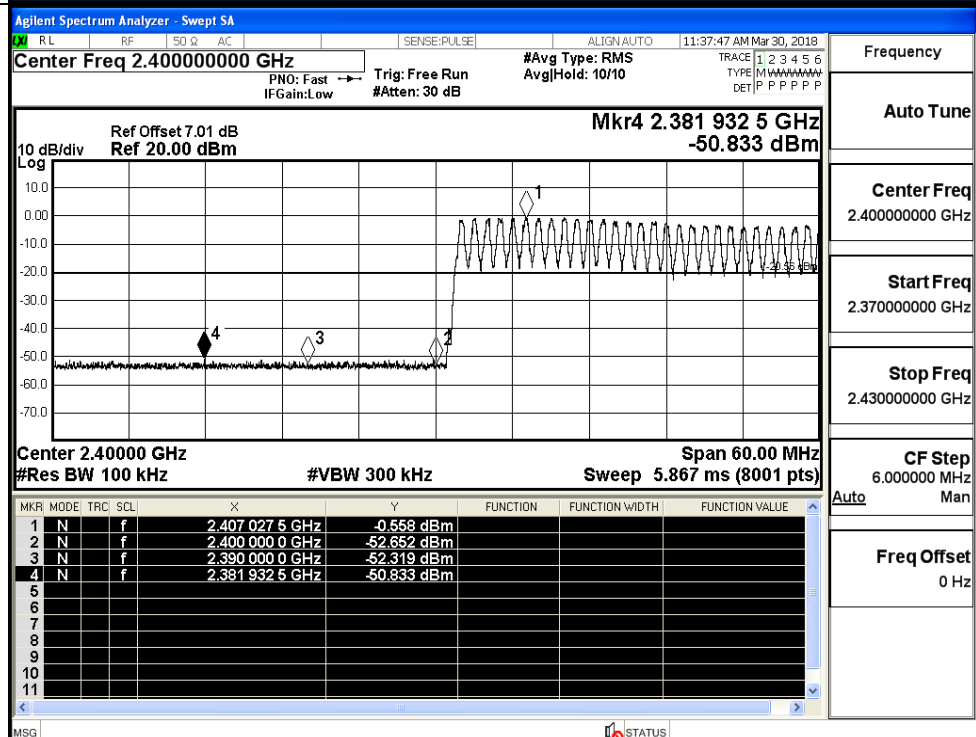
Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz
Man

Freq Offset
0 Hz

GFSK/LCH/Hop



Frequency

Auto Tune

Center Freq
2.400000000 GHz

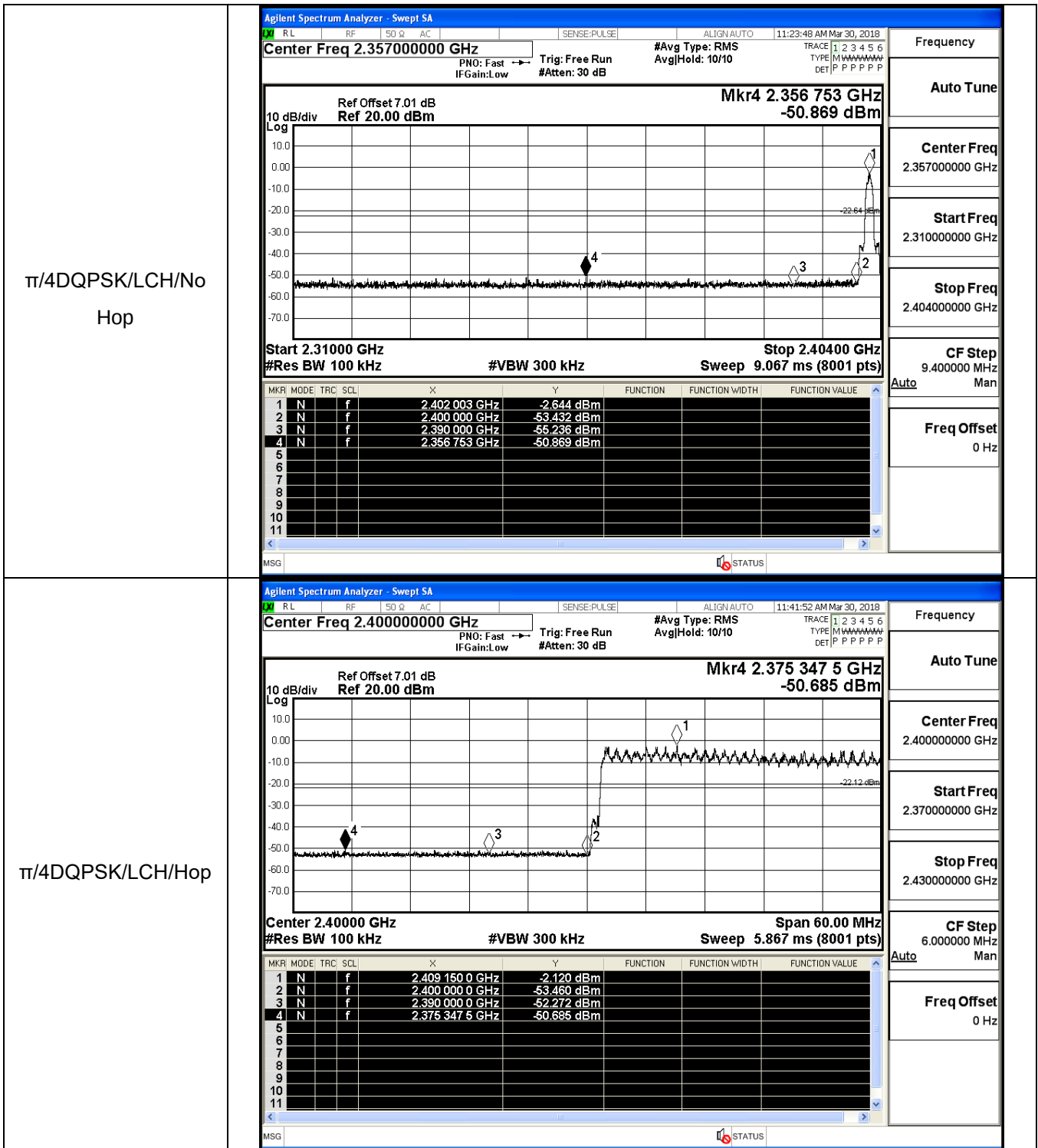
Start Freq
2.370000000 GHz

Stop Freq
2.430000000 GHz

CF Step
6.000000 MHz
Man

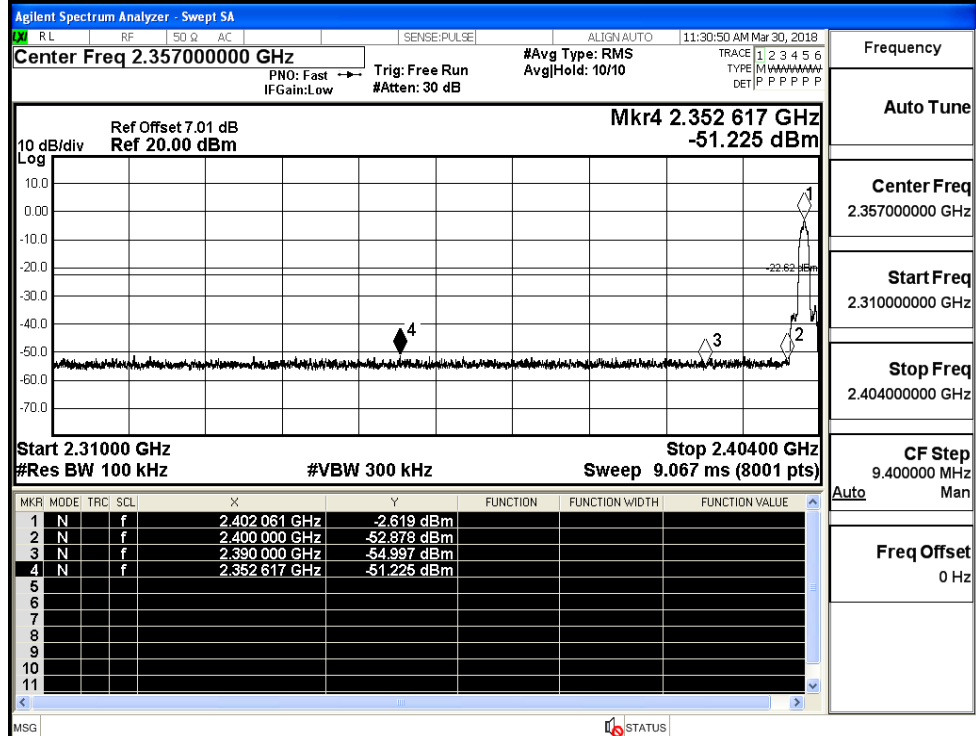
Freq Offset
0 Hz

<

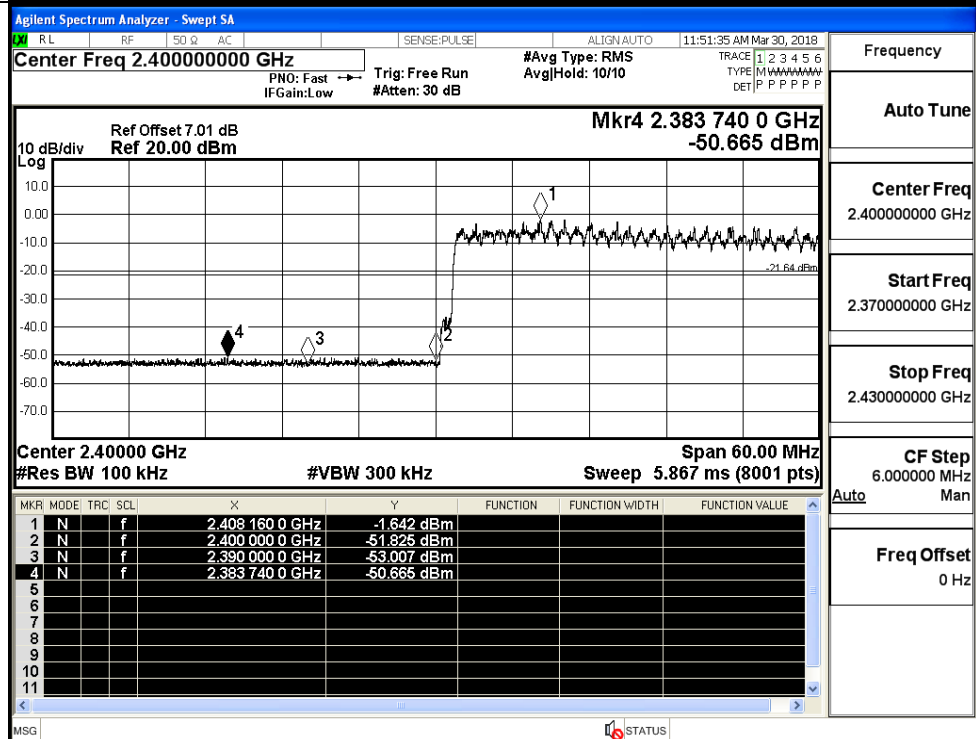


Page 38 of 47

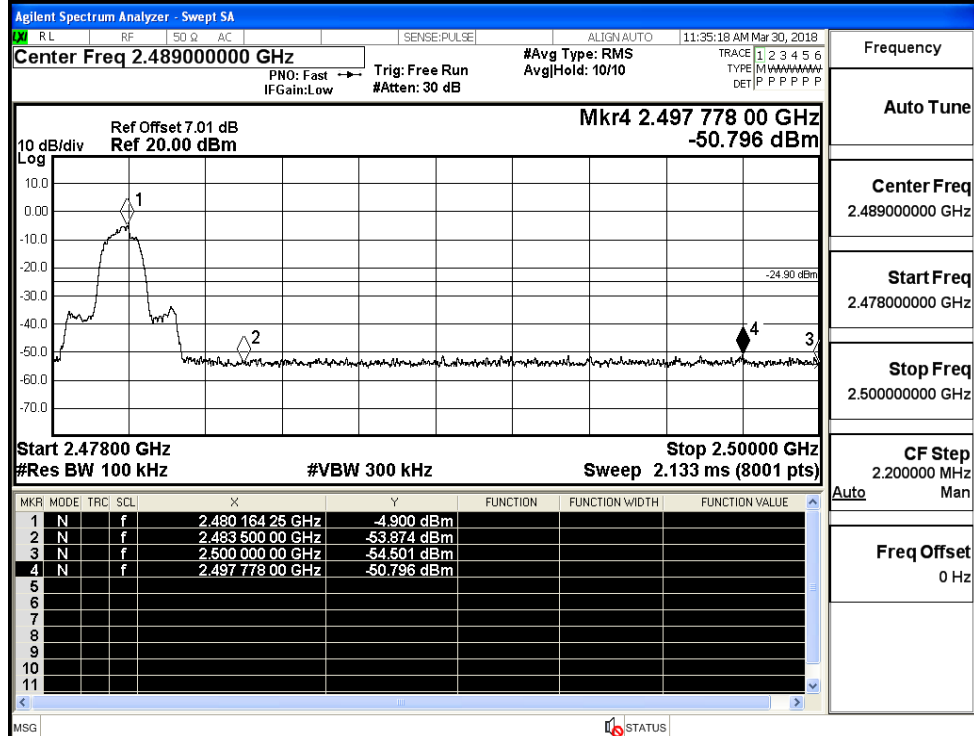
8DPSK/LCH/No Hop



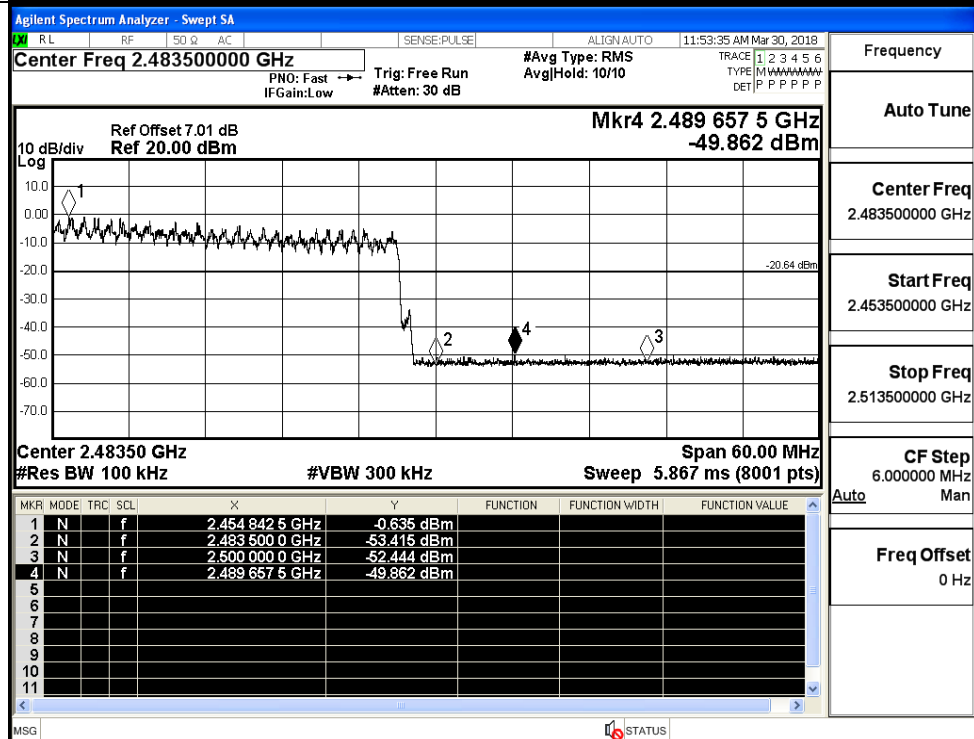
8DPSK/LCH/Hop



8DPSK/HCH/No Hop



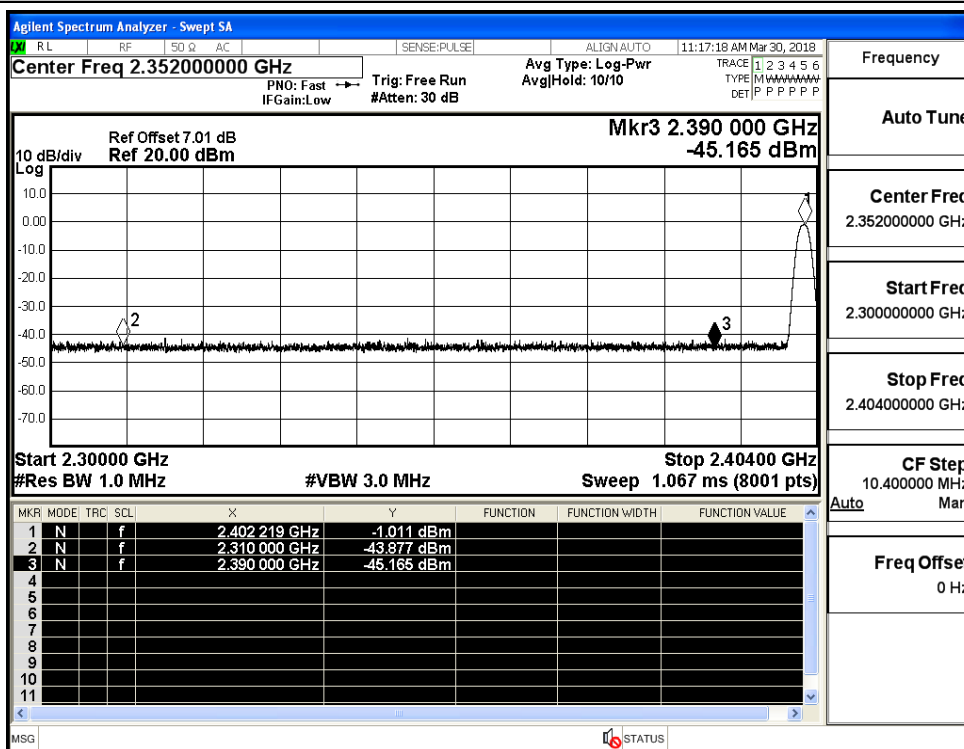
8DPSK/HCH/Hop



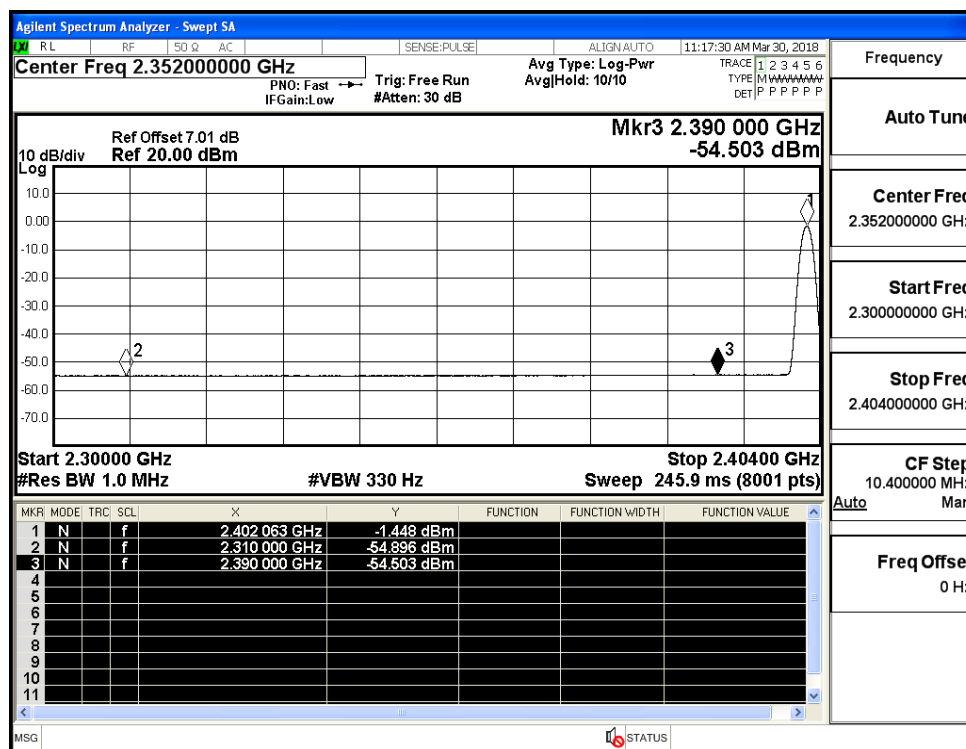
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-43.88	2.0	0	53.32	PEAK	74	PASS
	Off	2310.0	-54.90	2.0	0	42.30	AV	54	PASS
	Off	2390.0	-45.17	2.0	0	52.03	PEAK	74	PASS
	Off	2390.0	-54.50	2.0	0	42.70	AV	54	PASS
	Off	2483.5	-45.51	2.0	0	51.69	PEAK	74	PASS
	Off	2483.5	-54.37	2.0	0	42.83	AV	54	PASS
	Off	2500.0	-44.25	2.0	0	52.95	PEAK	74	PASS
	Off	2500.0	-54.29	2.0	0	42.91	AV	54	PASS
$\pi/4$ DQPSK	Off	2310.0	-44.22	2.0	0	52.98	PEAK	74	PASS
	Off	2310.0	-54.93	2.0	0	42.27	AV	54	PASS
	Off	2390.0	-44.55	2.0	0	52.65	PEAK	74	PASS
	Off	2390.0	-54.60	2.0	0	42.60	AV	54	PASS
	Off	2483.5	-43.33	2.0	0	53.87	PEAK	74	PASS
	Off	2483.5	-54.31	2.0	0	42.89	AV	54	PASS
	Off	2500.0	-44.97	2.0	0	52.23	PEAK	74	PASS
	Off	2500.0	-54.16	2.0	0	43.04	AV	54	PASS
8DPSK	Off	2310.0	-45.78	2.0	0	51.42	PEAK	74	PASS
	Off	2310.0	-54.91	2.0	0	42.29	AV	54	PASS
	Off	2390.0	-43.69	2.0	0	53.51	PEAK	74	PASS
	Off	2390.0	-54.60	2.0	0	42.60	AV	54	PASS
	Off	2483.5	-44.13	2.0	0	53.07	PEAK	74	PASS
	Off	2483.5	-54.27	2.0	0	42.93	AV	54	PASS
	Off	2500.0	-44.35	2.0	0	52.85	PEAK	74	PASS
	Off	2500.0	-54.26	2.0	0	42.94	AV	54	PASS

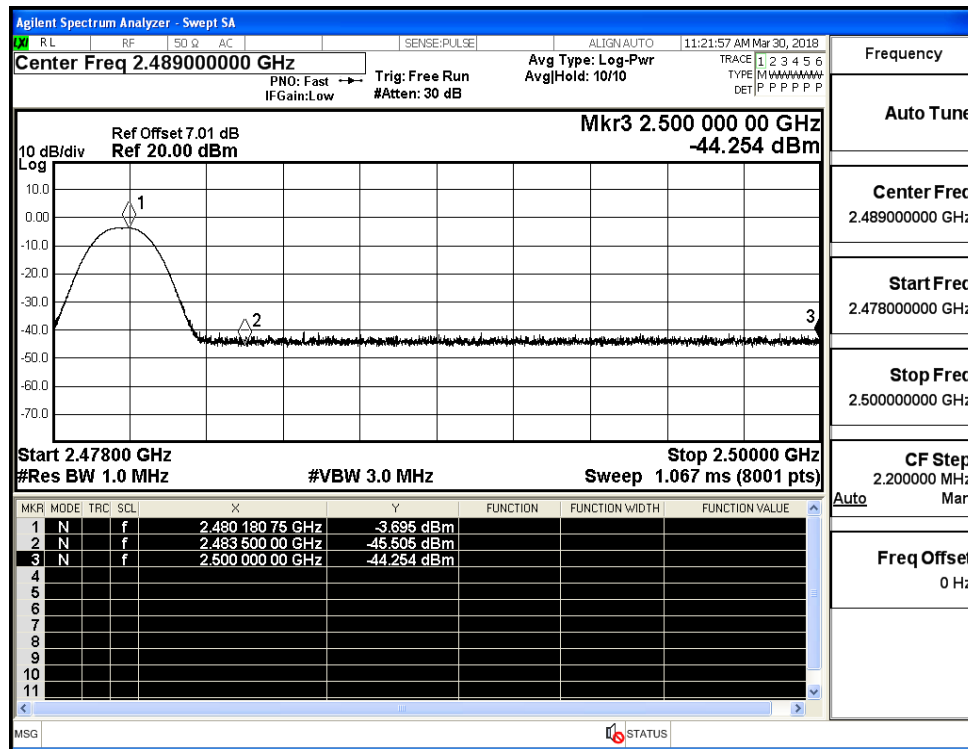
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (Low Channel)



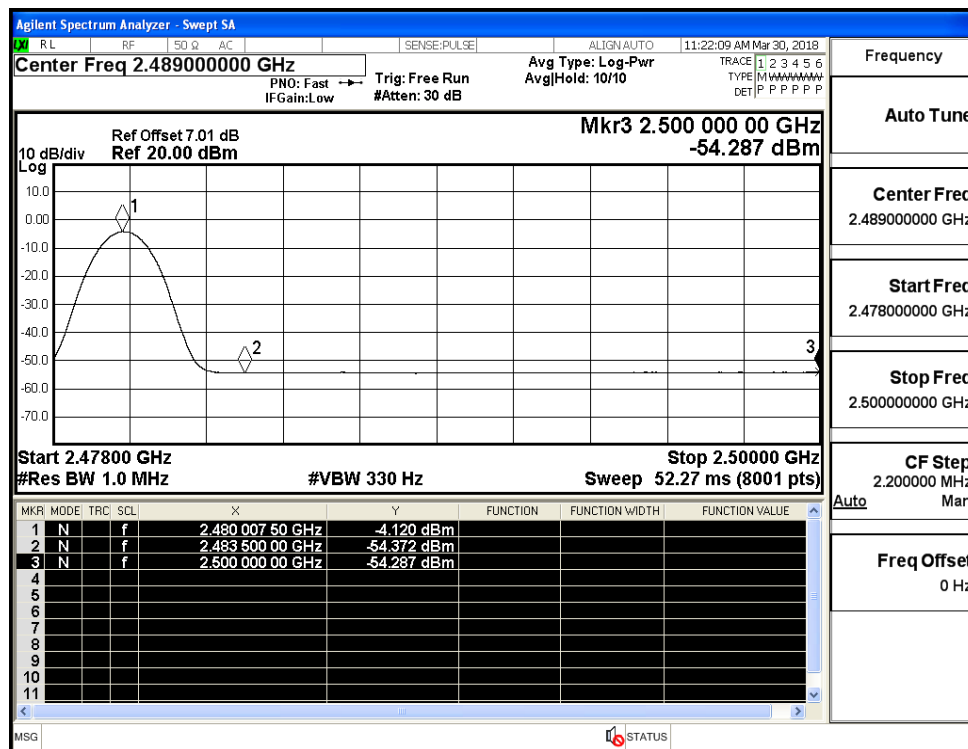
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (Low Channel)



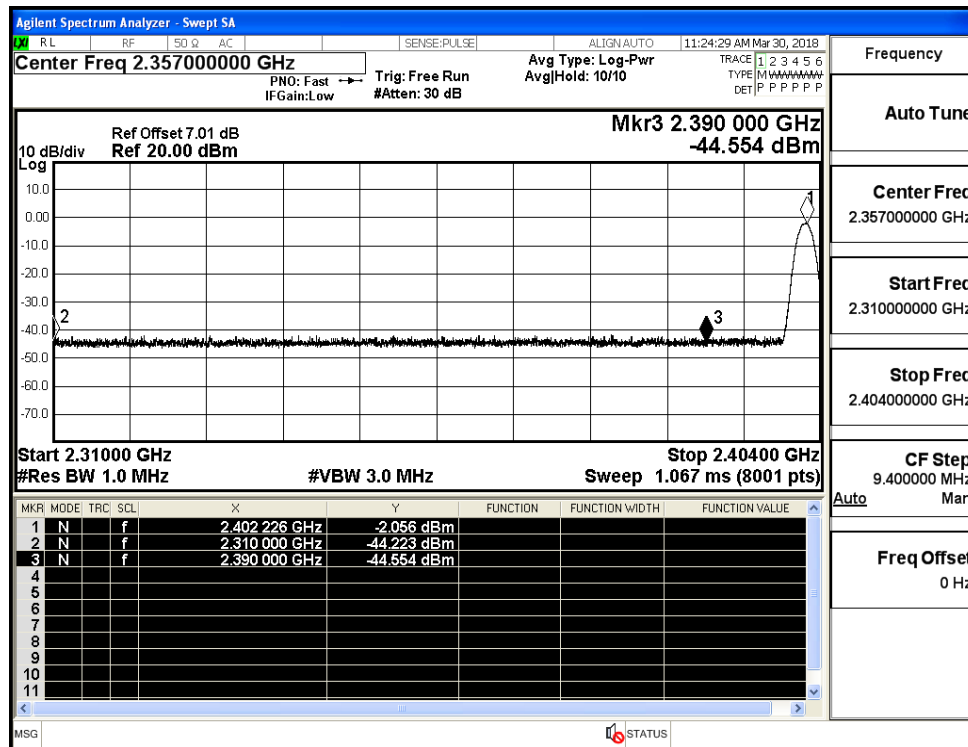
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (High Channel)



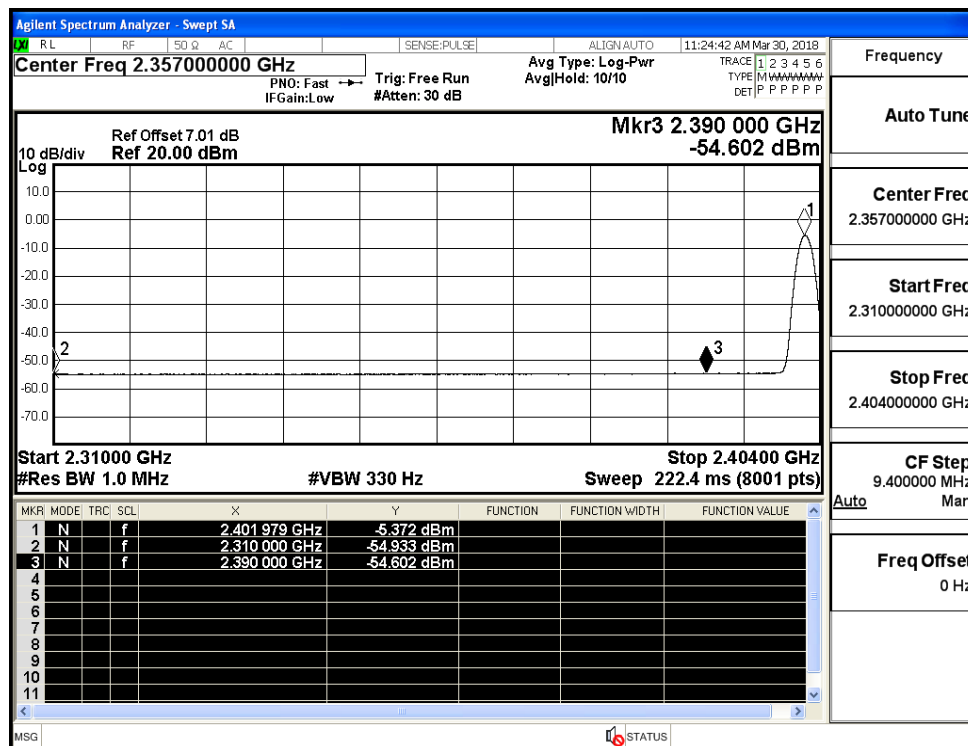
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (High Channel)



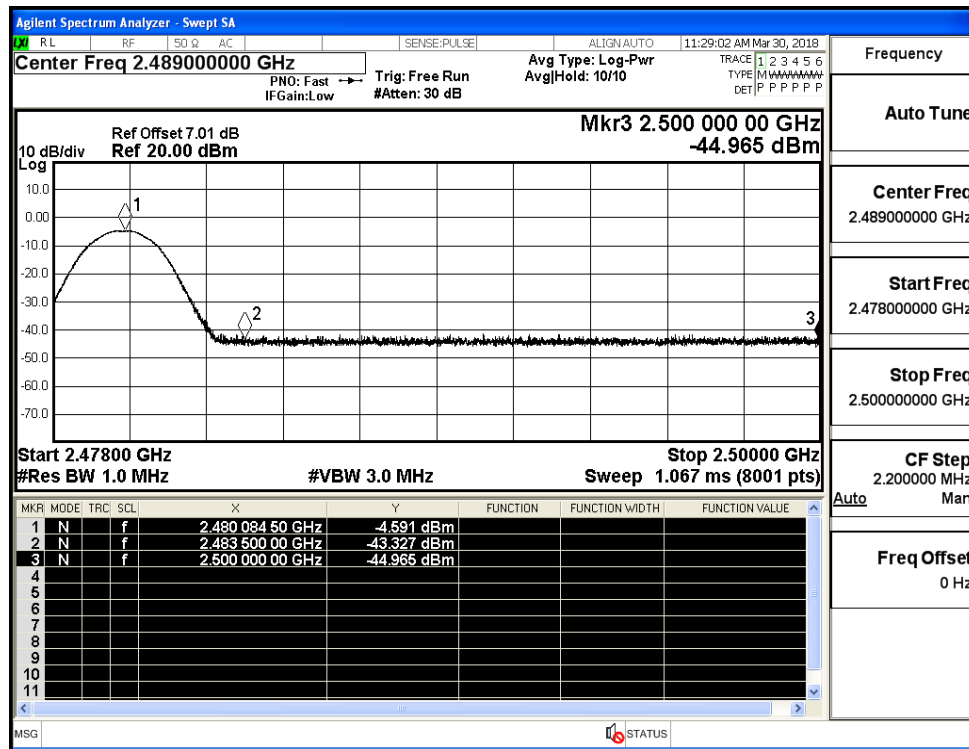
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_PEAK (Low Channel)



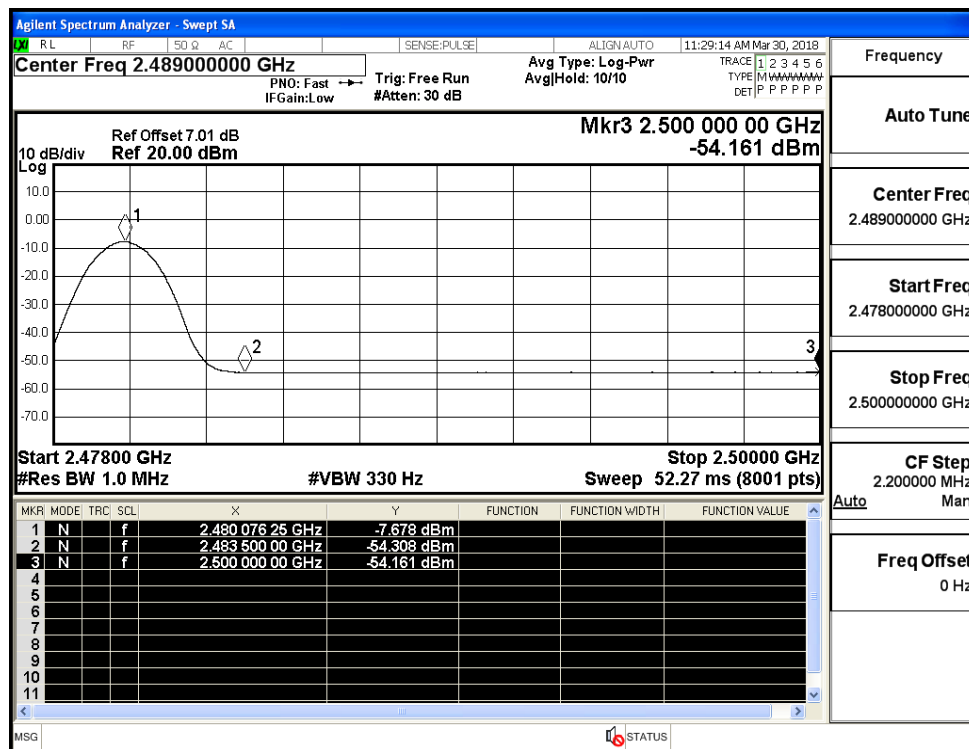
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_Average (Low Channel)



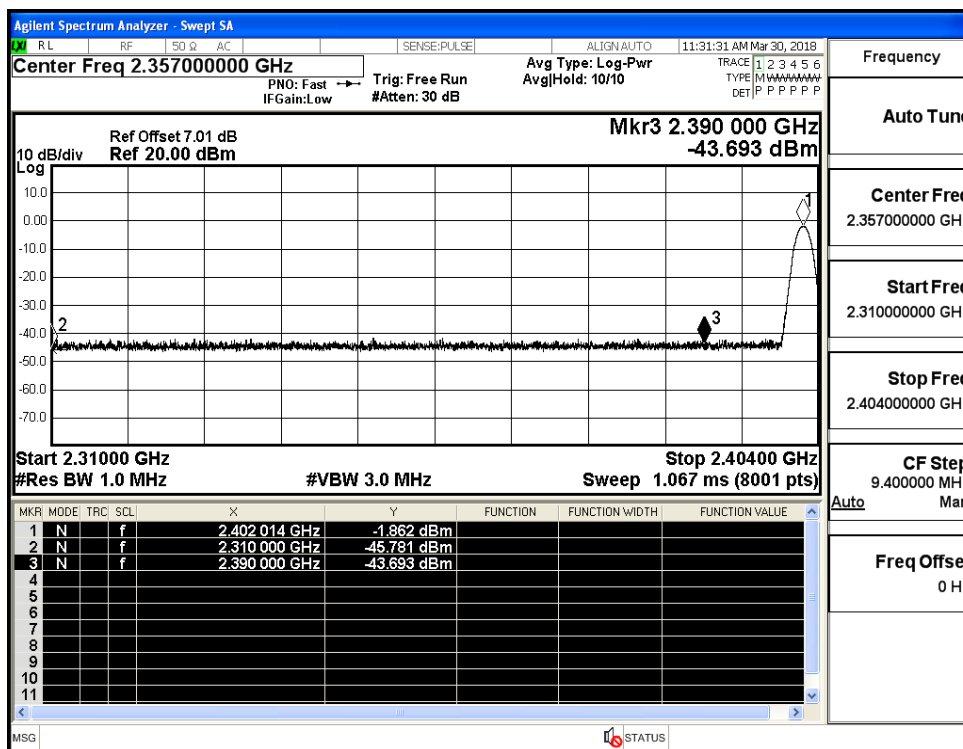
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK (High Channel)



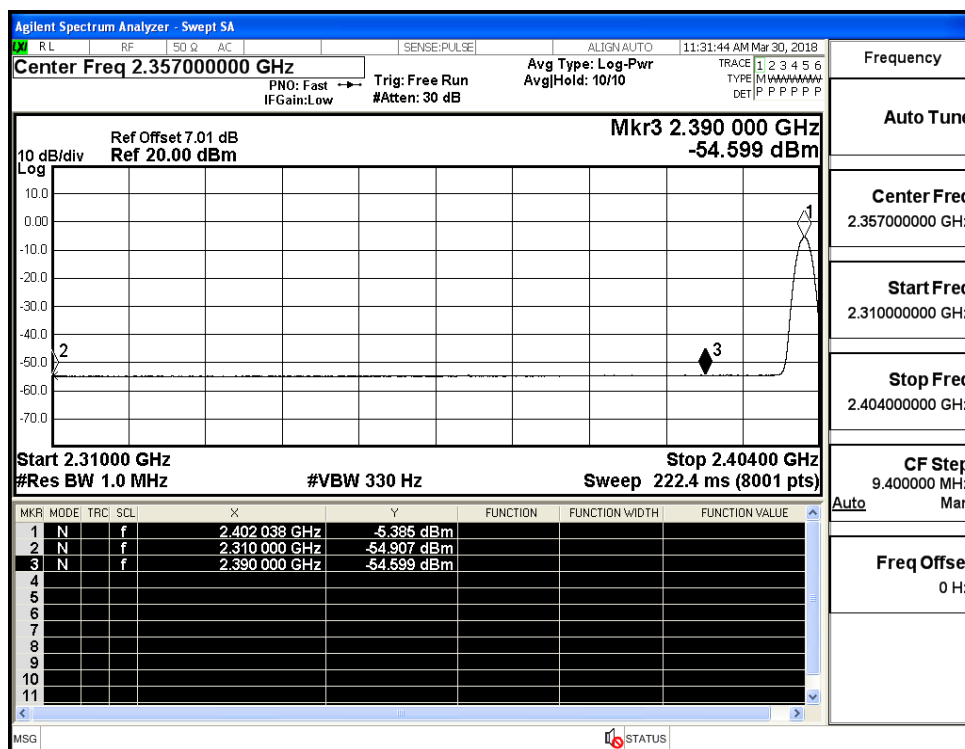
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average (High Channel)



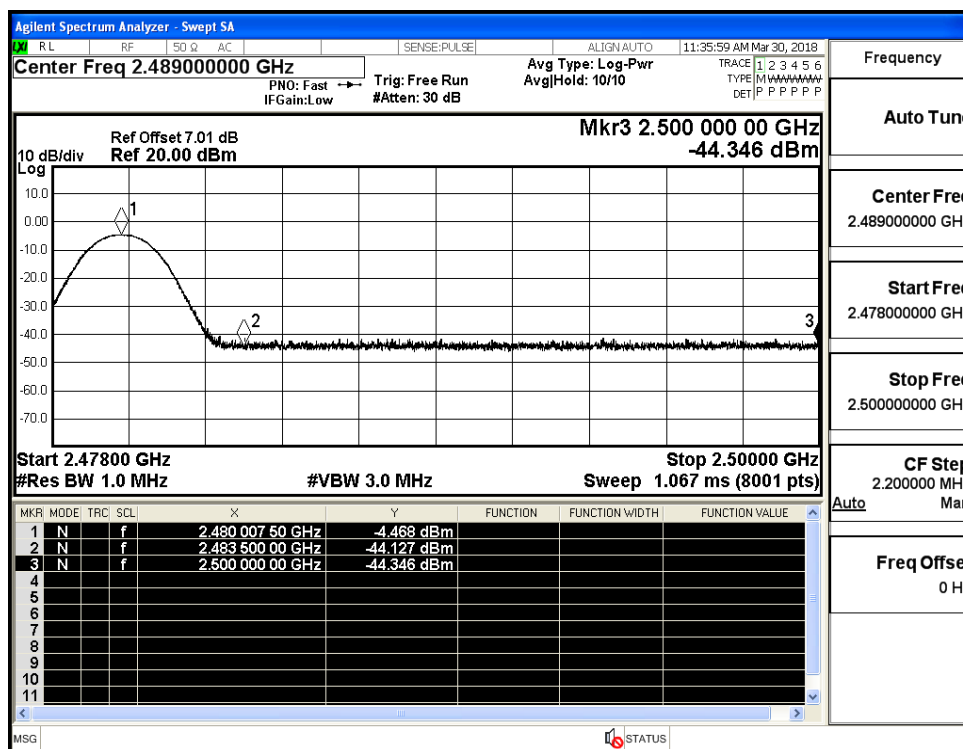
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (Low Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (High Channel)



Restrict-band band-edge measurements_Hopping Off_8DPSK_Average (High Channel)

