

Appendix A

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

Product Name: Bluetooth Speaker

Trade Mark: BC-AU-BS-174-BK

Test Model: BICONIC

Environmental Conditions

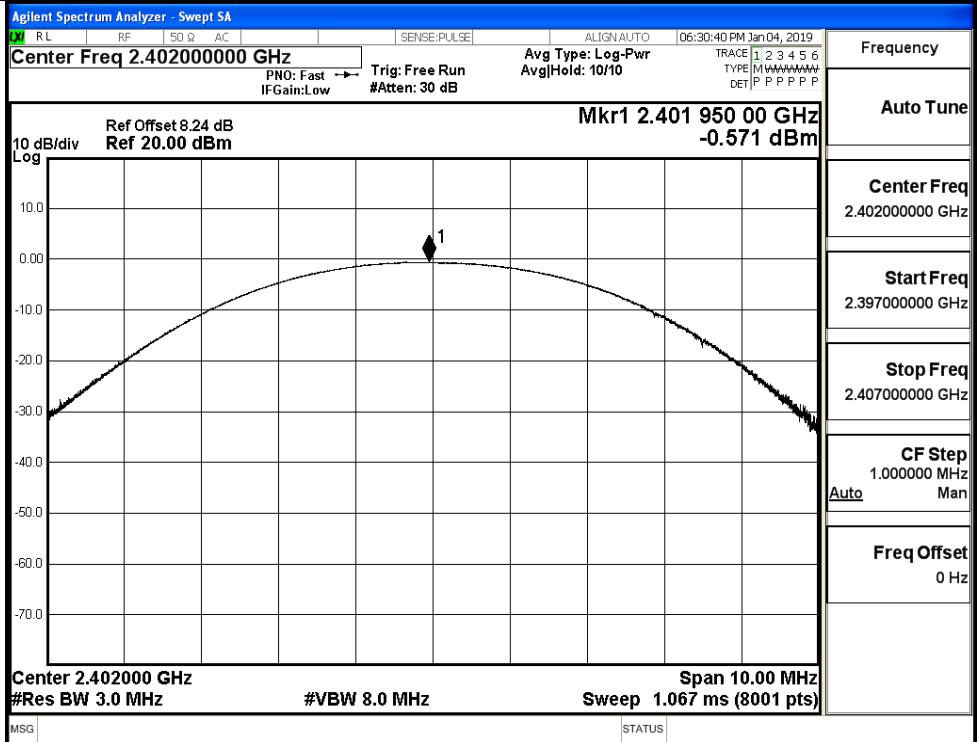
Temperature:	24.6 ° C
Relative Humidity:	51.3%
ATM Pressure:	100.0 kPa
Test Engineer:	David Luo
Supervised by:	Jayden.Zhuo

A.1 Maximum Conducted Peak Output Power

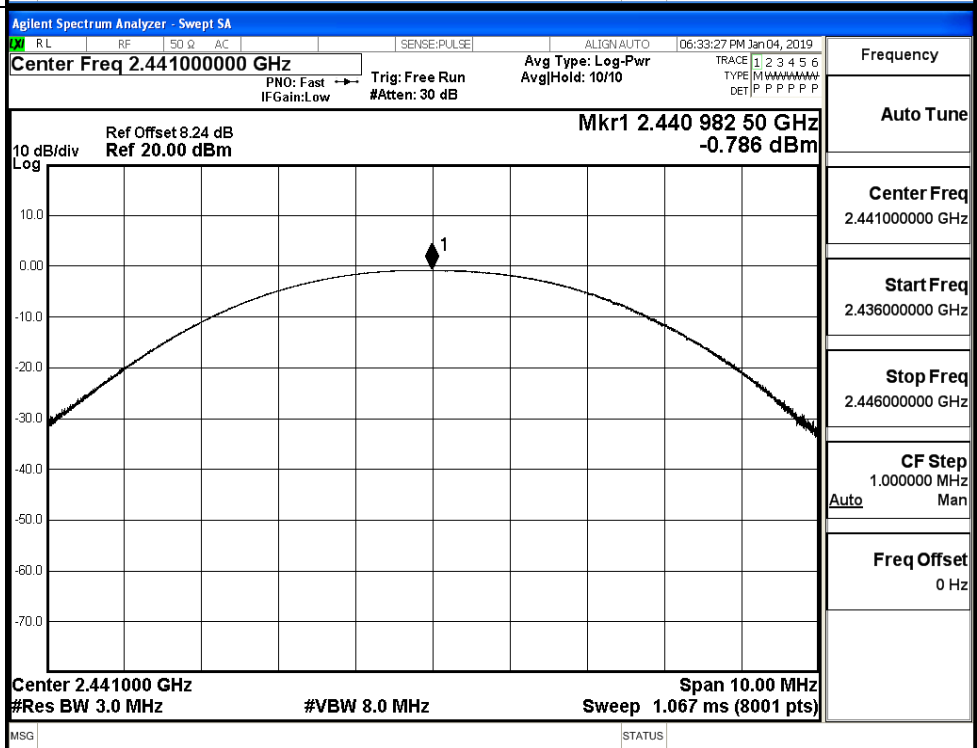
Mode	Channel.	Maximum Peak Output Power [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.571	21	PASS
	MCH	-0.786	21	PASS
	HCH	-0.492	21	PASS
$\pi/4$ DQPSK	LCH	0.605	21	PASS
	MCH	0.369	21	PASS
	HCH	0.954	21	PASS
8DPSK	LCH	0.846	21	PASS
	MCH	0.538	21	PASS
	HCH	1.034	21	PASS

Test Graphs

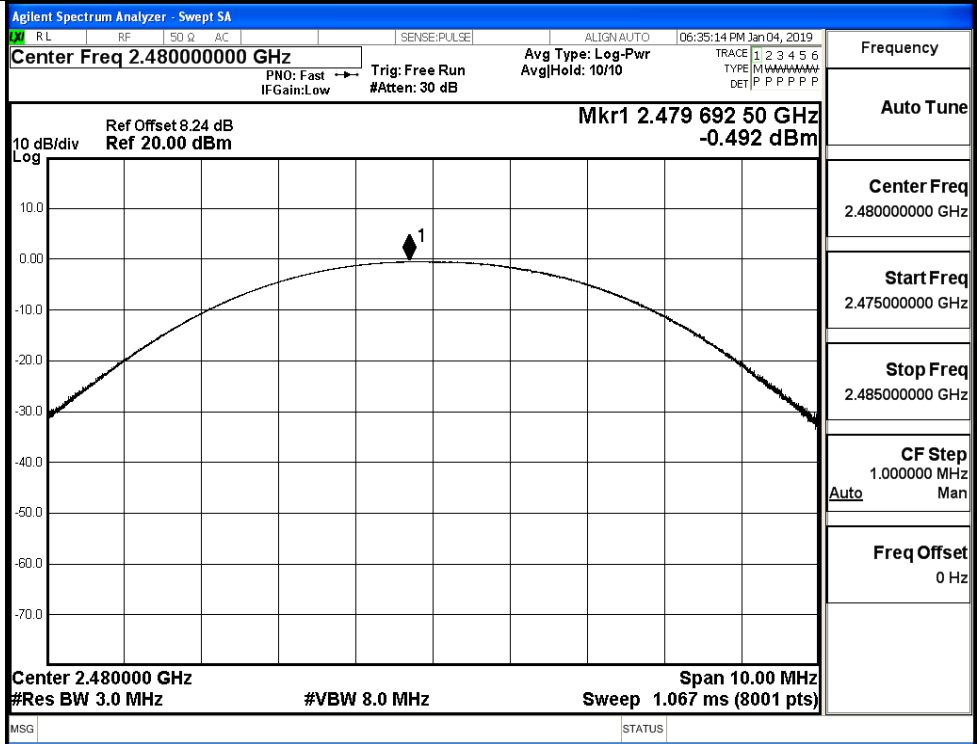
GFSK/LCH



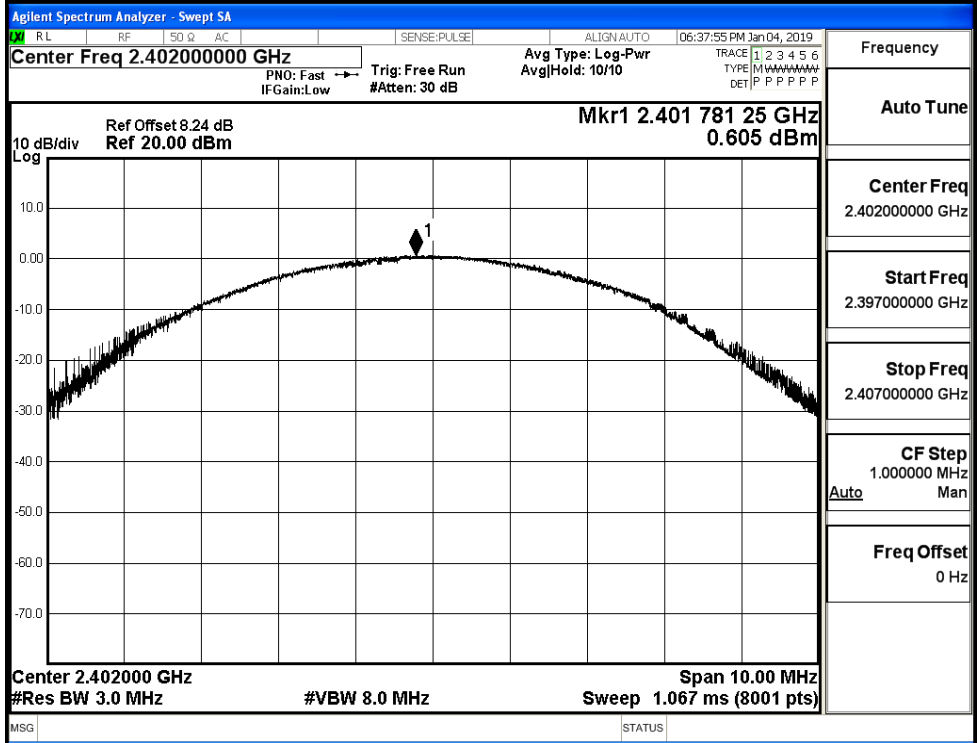
GFSK/MCH



GFSK/HCH

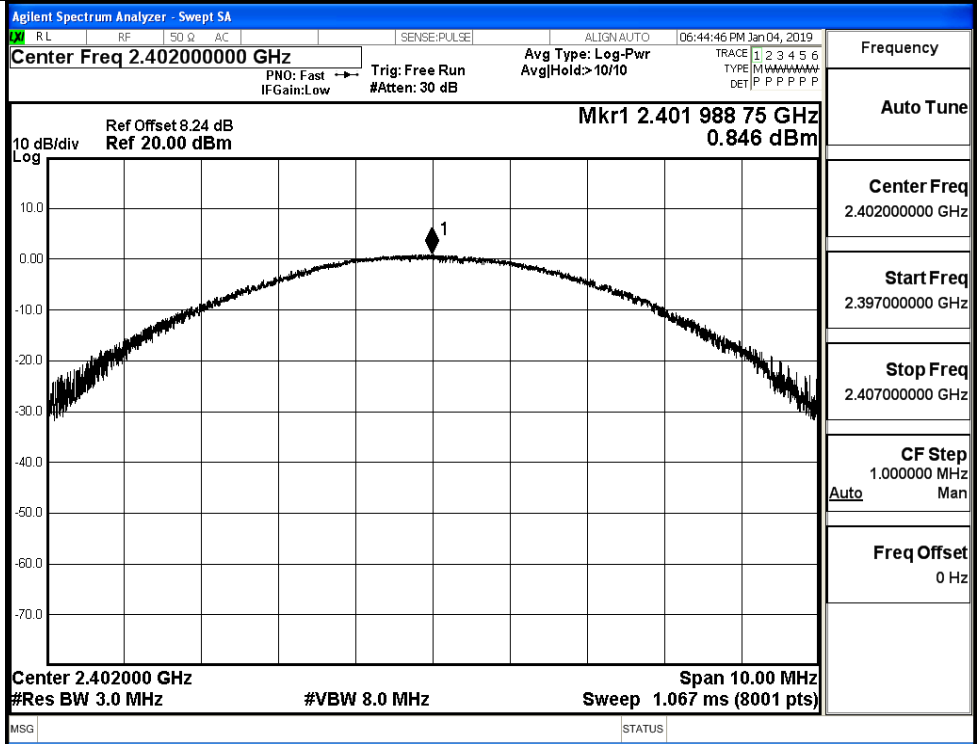


π /4DQPSK/LCH

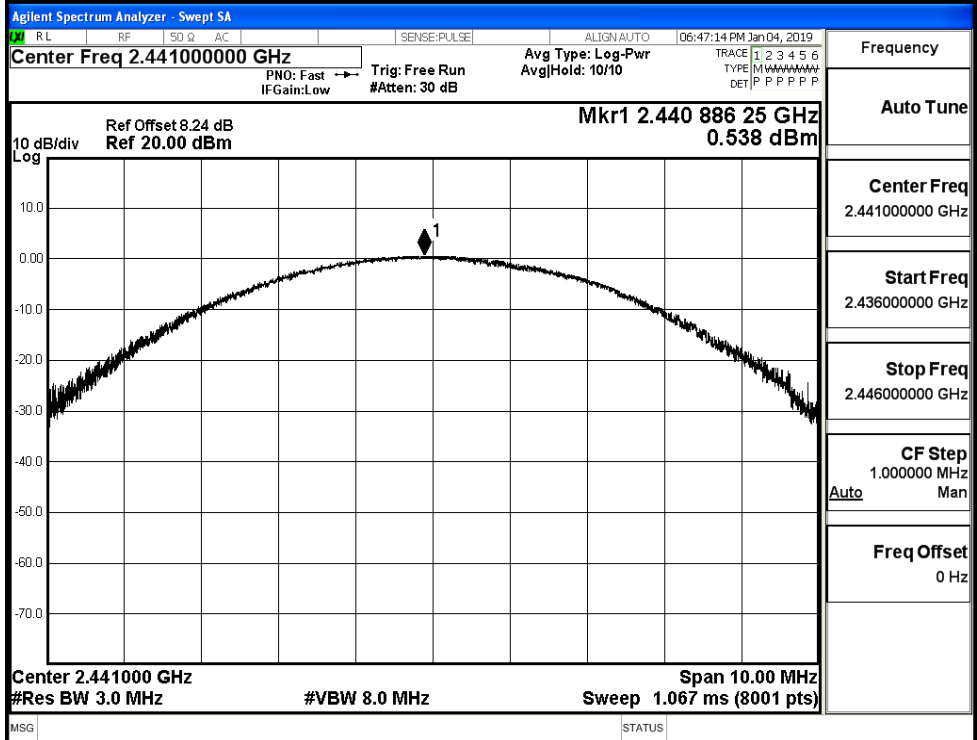


<p style="text-align: center;">π/4DQPSK/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.44100000 GHz</p> <p>Mkr1 2.440 838 75 GHz 0.369 dBm</p> <p>Ref Offset 8.24 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Center 2.441000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts)</p>
<p style="text-align: center;">π/4DQPSK/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.48000000 GHz</p> <p>Mkr1 2.480 093 75 GHz 0.954 dBm</p> <p>Ref Offset 8.24 dB Ref 20.00 dBm</p> <p>10 dB/div Log</p> <p>Center 2.480000 GHz #Res BW 3.0 MHz #VBW 8.0 MHz Span 10.00 MHz Sweep 1.067 ms (8001 pts)</p>

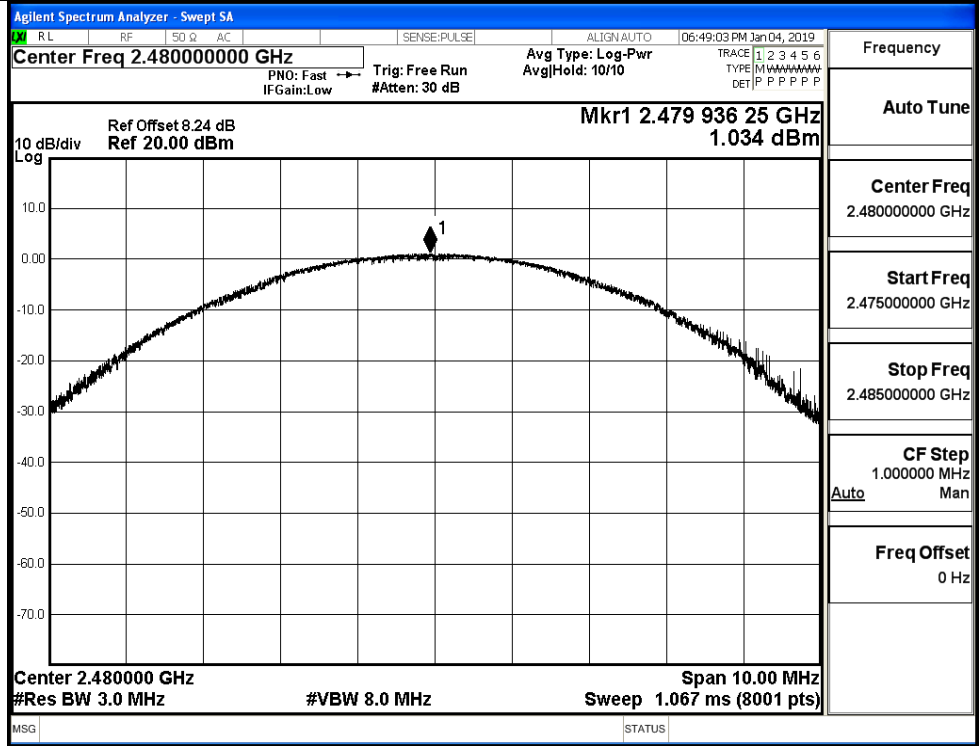
8DPSK/LCH



8DPSK/MCH

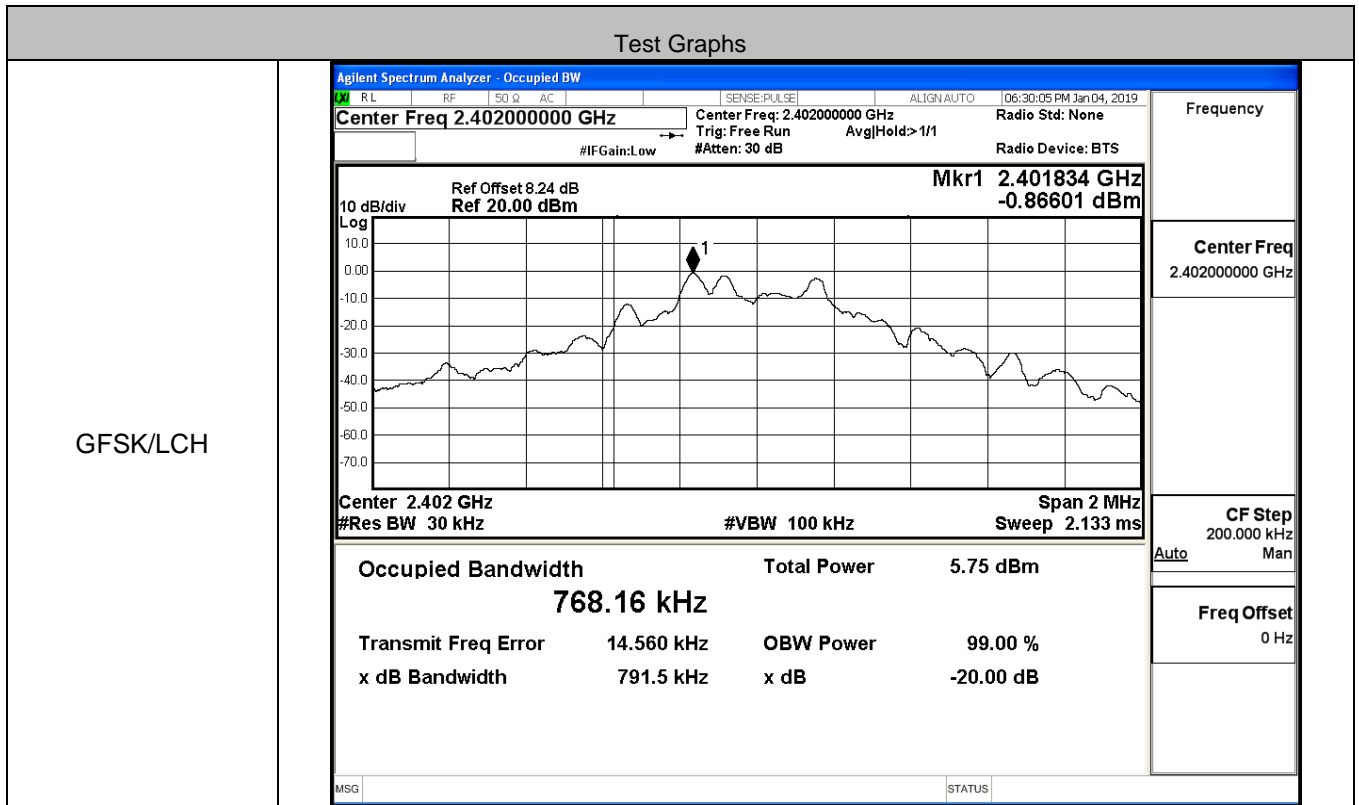


8DPSK/HCH

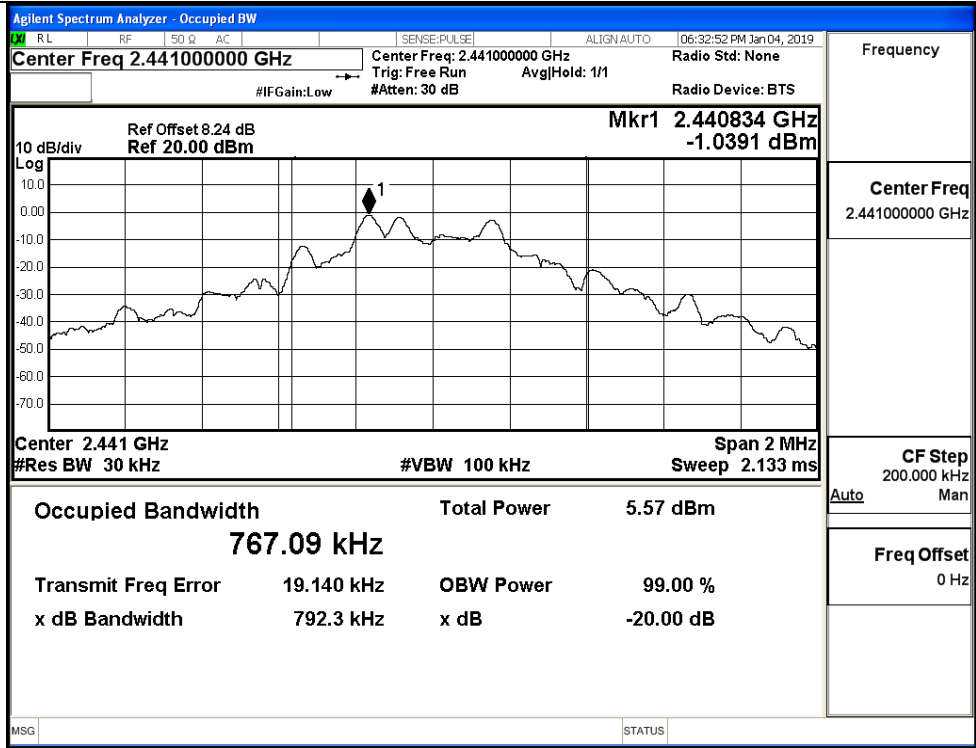


A.2 99% and 20dB Bandwidth

Mode	Channel.	99% Bandwidth [MHz]	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	0.76816	0.7915	Not Specified	PASS
	MCH	0.76709	0.7923	Not Specified	PASS
	HCH	0.76301	0.7967	Not Specified	PASS
π/4DQPSK	LCH	1.1110	1.148	Not Specified	PASS
	MCH	1.1122	1.147	Not Specified	PASS
	HCH	1.1159	1.146	Not Specified	PASS
8DPSK	LCH	1.1063	1.140	Not Specified	PASS
	MCH	1.0951	1.128	Not Specified	PASS
	HCH	1.1106	1.176	Not Specified	PASS



GFSK/MCH



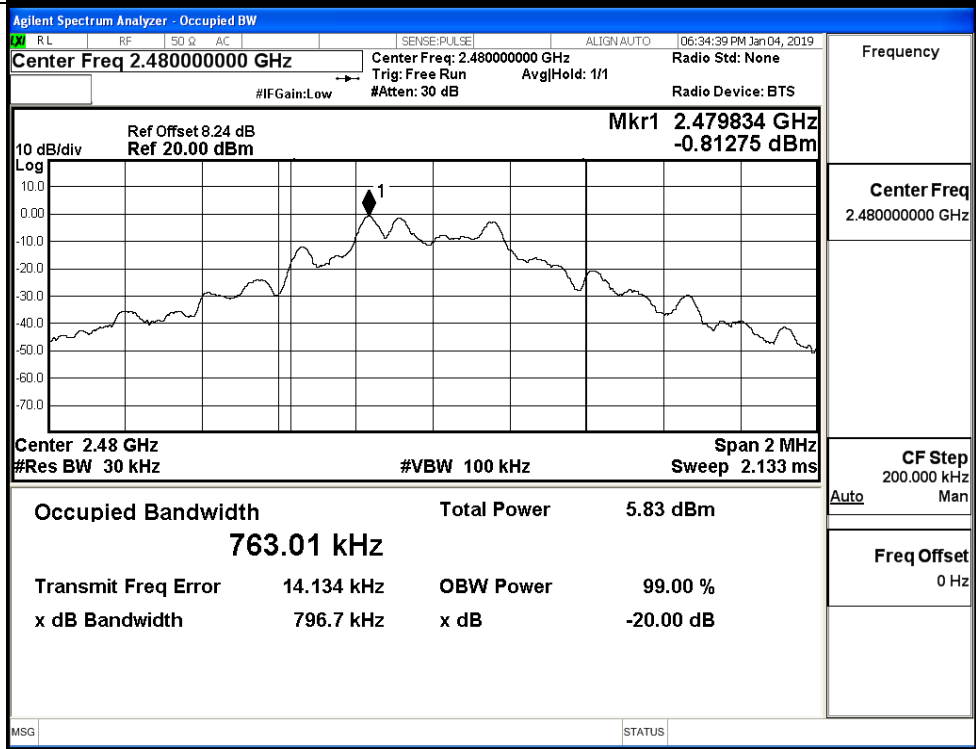
Frequency
 2.44100000 GHz

Center Freq
 2.44100000 GHz

CF Step
 200.000 kHz
 Auto Man

Freq Offset
 0 Hz

GFSK/HCH

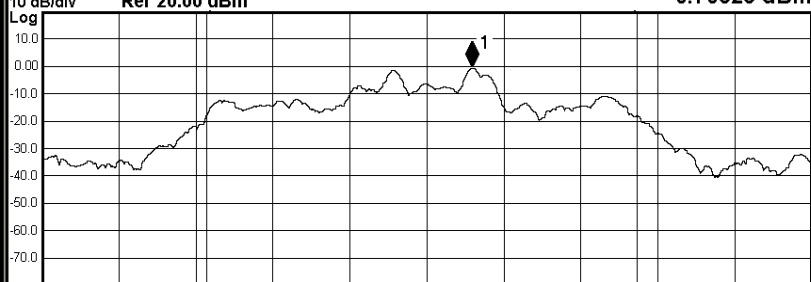
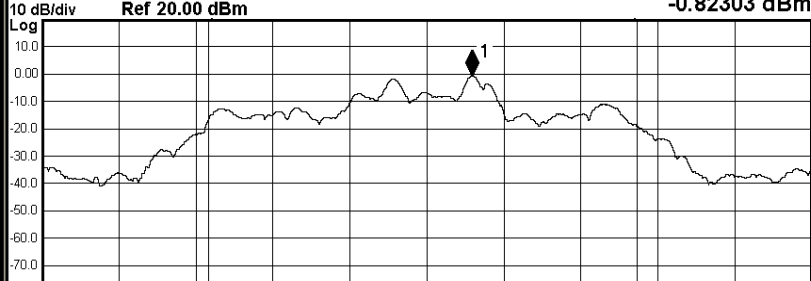


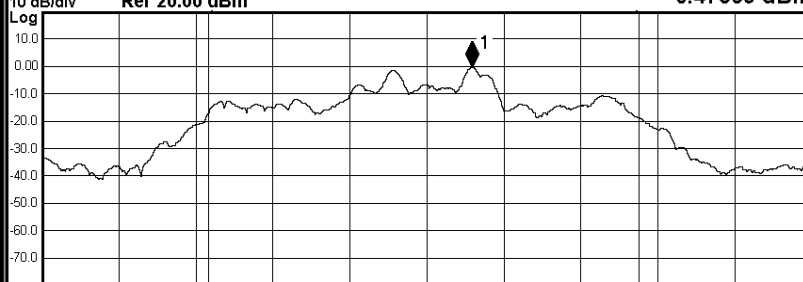
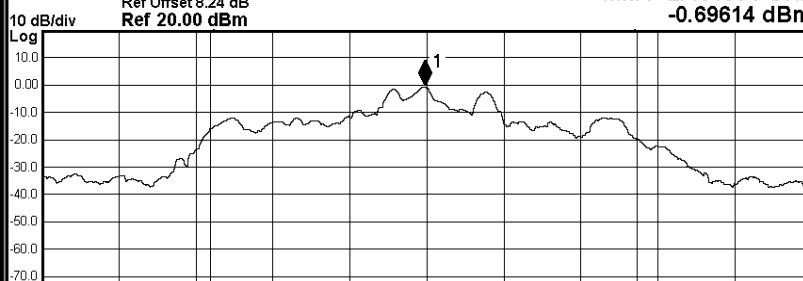
Frequency
 2.48000000 GHz

Center Freq
 2.48000000 GHz

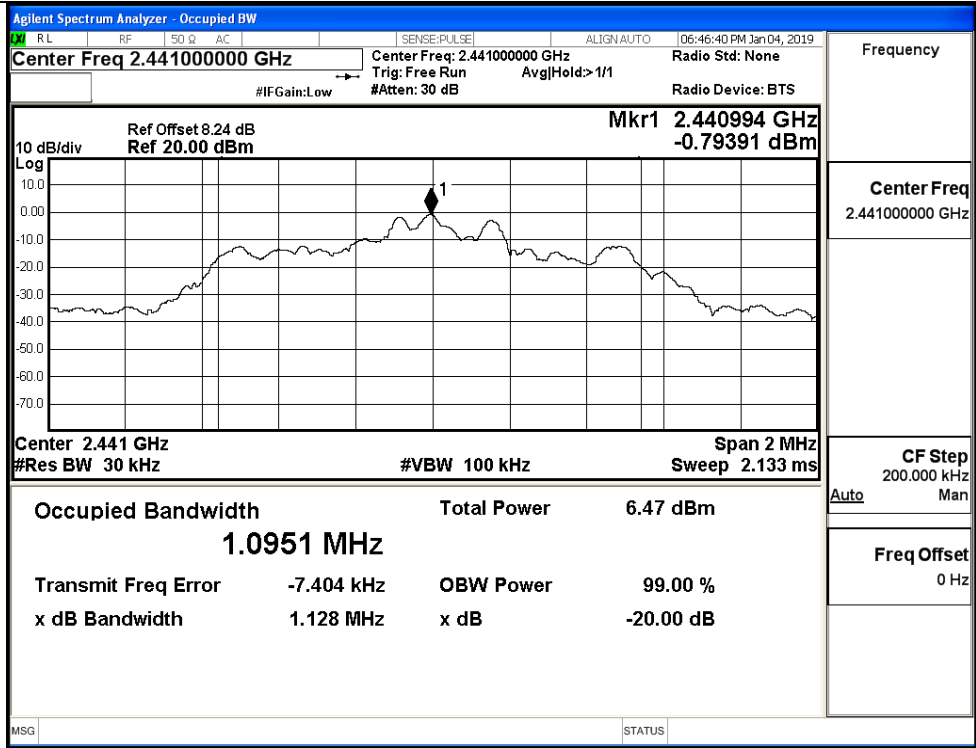
CF Step
 200.000 kHz
 Auto Man

Freq Offset
 0 Hz

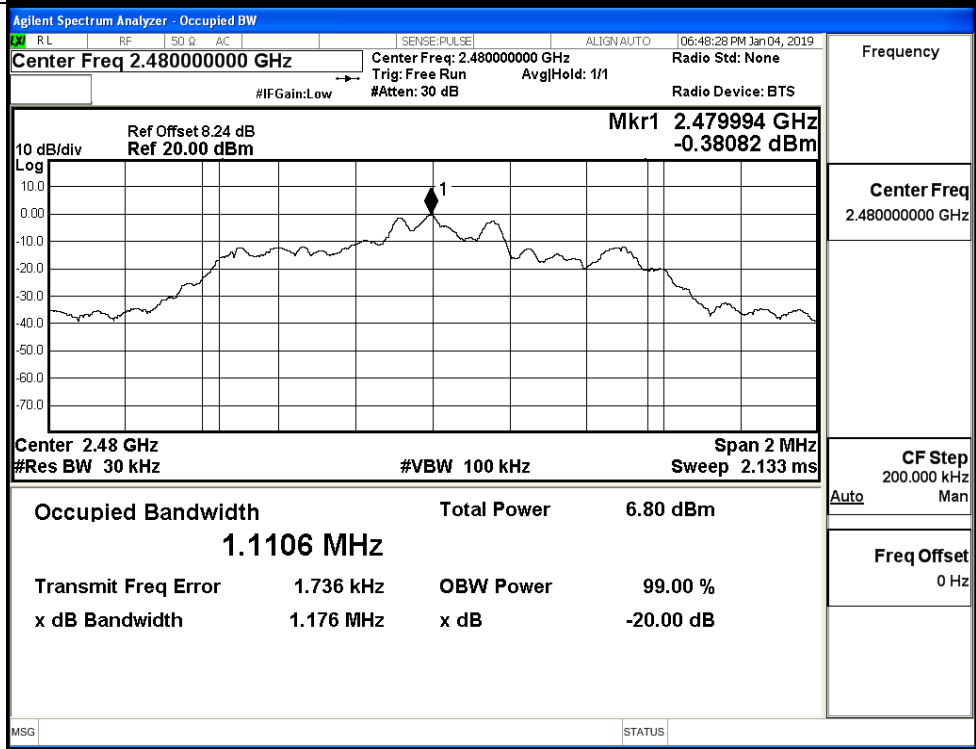
<p style="text-align: center;">π/4DQPSK/LCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.40200000 GHz Center Freq: 2.40200000 GHz Radio Std: None Trig: Free Run AvgHold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS</p> <p>Ref Offset 8.24 dB Mkr1 2.402118 GHz Ref 20.00 dBm -0.70323 dBm</p>  <p>Center 2.402 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <p>Occupied Bandwidth Total Power 6.36 dBm 1.1110 MHz</p> <p>Transmit Freq Error -11.465 kHz OBW Power 99.00 % x dB Bandwidth 1.148 MHz x dB -20.00 dB</p> <p>MSG STATUS</p> </div>	<p>Frequency</p> <p>Center Freq 2.40200000 GHz</p> <p>CF Step 200.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p style="text-align: center;">π/4DQPSK/MCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.44100000 GHz Center Freq: 2.44100000 GHz Radio Std: None Trig: Free Run AvgHold: >1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS</p> <p>Ref Offset 8.24 dB Mkr1 2.441118 GHz Ref 20.00 dBm -0.82303 dBm</p>  <p>Center 2.441 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <p>Occupied Bandwidth Total Power 6.14 dBm 1.1122 MHz</p> <p>Transmit Freq Error -10.126 kHz OBW Power 99.00 % x dB Bandwidth 1.147 MHz x dB -20.00 dB</p> <p>MSG STATUS</p> </div>	<p>Frequency</p> <p>Center Freq 2.44100000 GHz</p> <p>CF Step 200.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>

<p style="text-align: center;">π/4DQPSK/HCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Occupied BW</p> <p style="font-size: x-small; margin: 0;"> <input checked="" type="checkbox"/> RL <input type="checkbox"/> RF <input type="checkbox"/> 50 Ω <input type="checkbox"/> AC <input type="checkbox"/> SENSE:PULSE ALIGN: AUTO 06:41:33 PM Jan 04, 2019 </p> <p style="margin: 0;"> Center Freq 2.48000000 GHz Center Freq: 2.48000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 </p> <p style="font-size: x-small; margin: 0;"> #IFGain: Low #Atten: 30 dB Radio Device: BTS </p> <hr/> <p style="text-align: right; margin: 0;">Mkr1 2.480118 GHz -0.47369 dBm</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 8.24 dB Ref 20.00 dBm</p>  </div> <hr/> <p style="font-size: x-small; margin: 0;"> Center 2.48 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms </p> <table style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 33%;">Occupied Bandwidth</td> <td style="width: 33%;">Total Power</td> <td style="width: 33%;">6.45 dBm</td> </tr> <tr> <td style="text-align: center;">1.1159 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>-8.127 kHz</td> <td>OBW Power 99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.146 MHz</td> <td>x dB -20.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	6.45 dBm	1.1159 MHz			Transmit Freq Error	-8.127 kHz	OBW Power 99.00 %	x dB Bandwidth	1.146 MHz	x dB -20.00 dB	<p style="font-size: small;">Frequency</p> <p style="font-size: small;">Center Freq 2.48000000 GHz</p> <p style="font-size: small;">CF Step 200.000 kHz Auto Man</p> <p style="font-size: small;">Freq Offset 0 Hz</p>
	Occupied Bandwidth	Total Power	6.45 dBm											
1.1159 MHz														
Transmit Freq Error	-8.127 kHz	OBW Power 99.00 %												
x dB Bandwidth	1.146 MHz	x dB -20.00 dB												
<p style="text-align: center;">8DPSK/LCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Occupied BW</p> <p style="font-size: x-small; margin: 0;"> <input checked="" type="checkbox"/> RL <input type="checkbox"/> RF <input type="checkbox"/> 50 Ω <input type="checkbox"/> AC <input type="checkbox"/> SENSE:PULSE ALIGN: AUTO 06:44:12 PM Jan 04, 2019 </p> <p style="margin: 0;"> Center Freq 2.40200000 GHz Center Freq: 2.40200000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 </p> <p style="font-size: x-small; margin: 0;"> #IFGain: Low #Atten: 30 dB Radio Device: BTS </p> <hr/> <p style="text-align: right; margin: 0;">Mkr1 2.401994 GHz -0.69614 dBm</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 8.24 dB Ref 20.00 dBm</p>  </div> <hr/> <p style="font-size: x-small; margin: 0;"> Center 2.402 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms </p> <table style="width: 100%; border-collapse: collapse; font-size: small;"> <tr> <td style="width: 33%;">Occupied Bandwidth</td> <td style="width: 33%;">Total Power</td> <td style="width: 33%;">6.61 dBm</td> </tr> <tr> <td style="text-align: center;">1.1063 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>-7.603 kHz</td> <td>OBW Power 99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.140 MHz</td> <td>x dB -20.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div>	Occupied Bandwidth	Total Power	6.61 dBm	1.1063 MHz			Transmit Freq Error	-7.603 kHz	OBW Power 99.00 %	x dB Bandwidth	1.140 MHz	x dB -20.00 dB	<p style="font-size: small;">Frequency</p> <p style="font-size: small;">Center Freq 2.40200000 GHz</p> <p style="font-size: small;">CF Step 200.000 kHz Auto Man</p> <p style="font-size: small;">Freq Offset 0 Hz</p>
Occupied Bandwidth	Total Power	6.61 dBm												
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Transmit Freq Error	-7.603 kHz	OBW Power 99.00 %												
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8DPSK/MCH

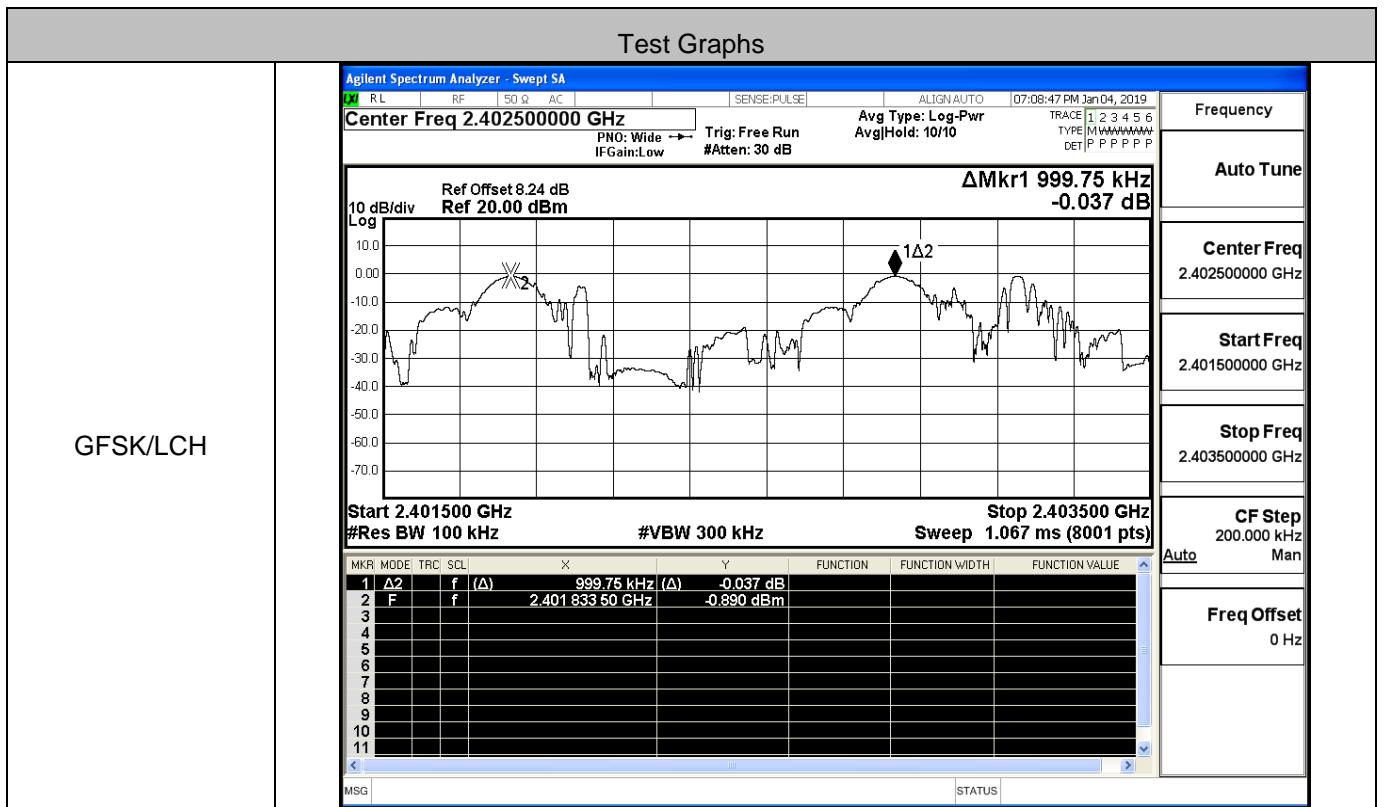


8DPSK/HCH

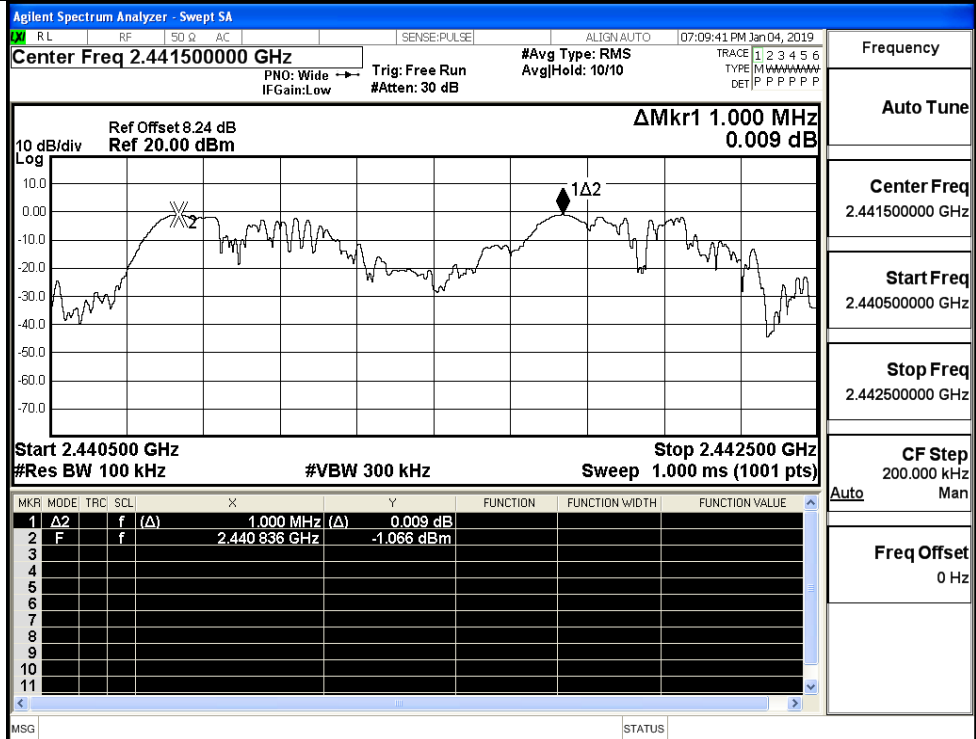


A.3 Carrier Frequency Separation

Mode	Channel	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.000	0.531	PASS
	MCH	1.000	0.531	PASS
	HCH	1.000	0.531	PASS
π/4DQPSK	LCH	0.998	0.765	PASS
	MCH	1.000	0.765	PASS
	HCH	1.000	0.765	PASS
8DPSK	LCH	1.000	0.784	PASS
	MCH	1.000	0.784	PASS
	HCH	1.000	0.784	PASS



GFSK/MCH



Frequency

Auto Tune

Center Freq

2.441500000 GHz

Start Freq

2.440500000 GHz

Stop Freq

2.442500000 GHz

CF Step

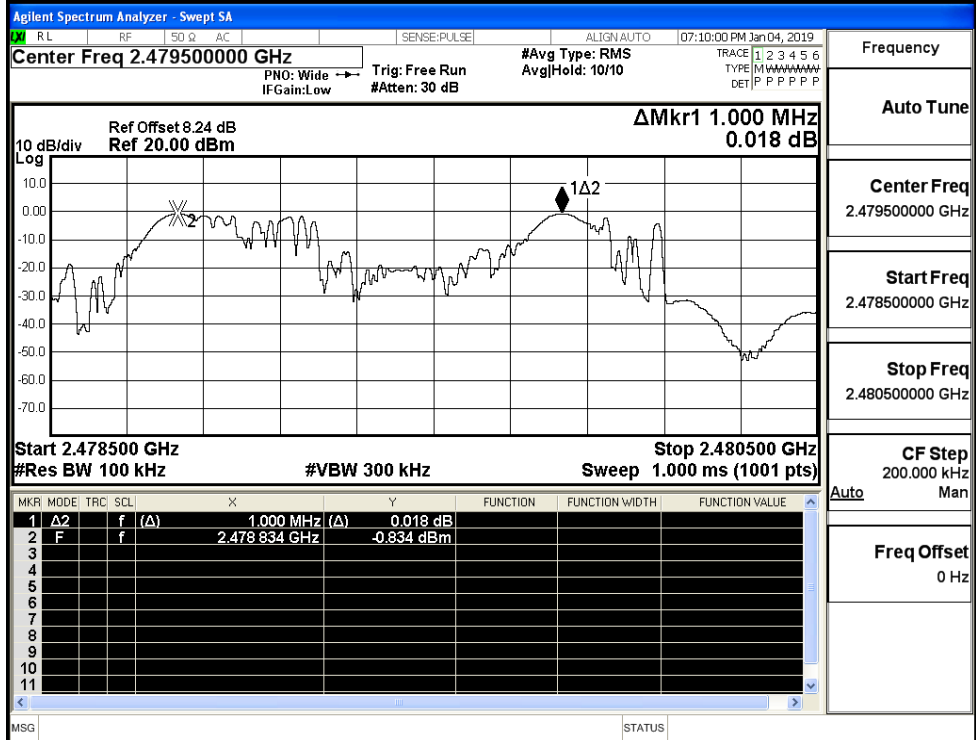
200.000 kHz

Auto

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

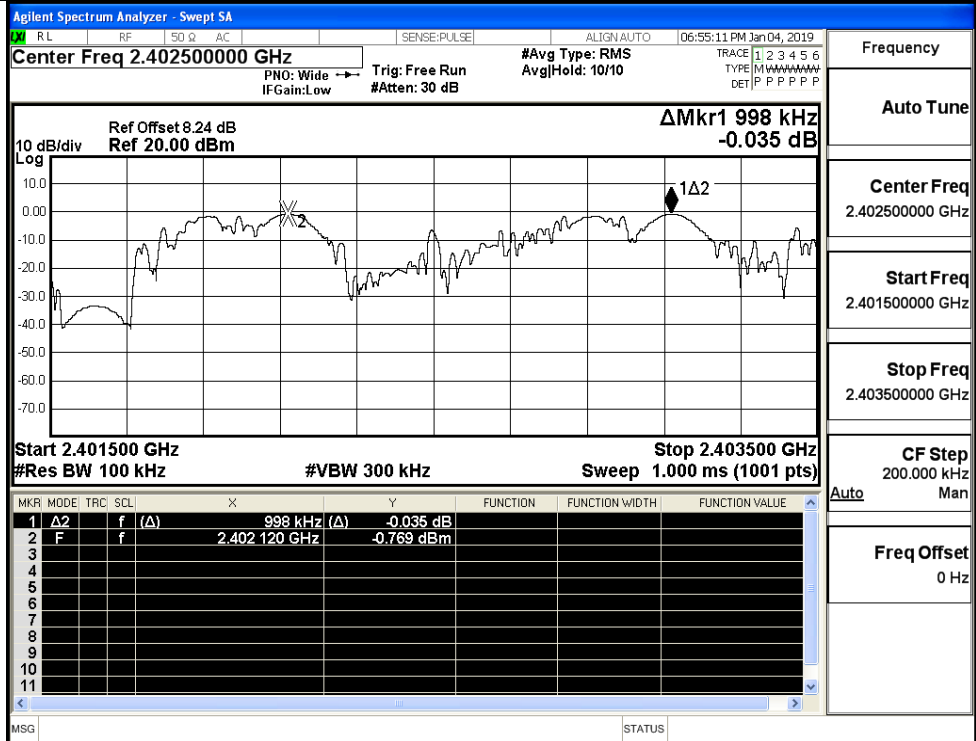
200.000 kHz

Auto

Freq Offset

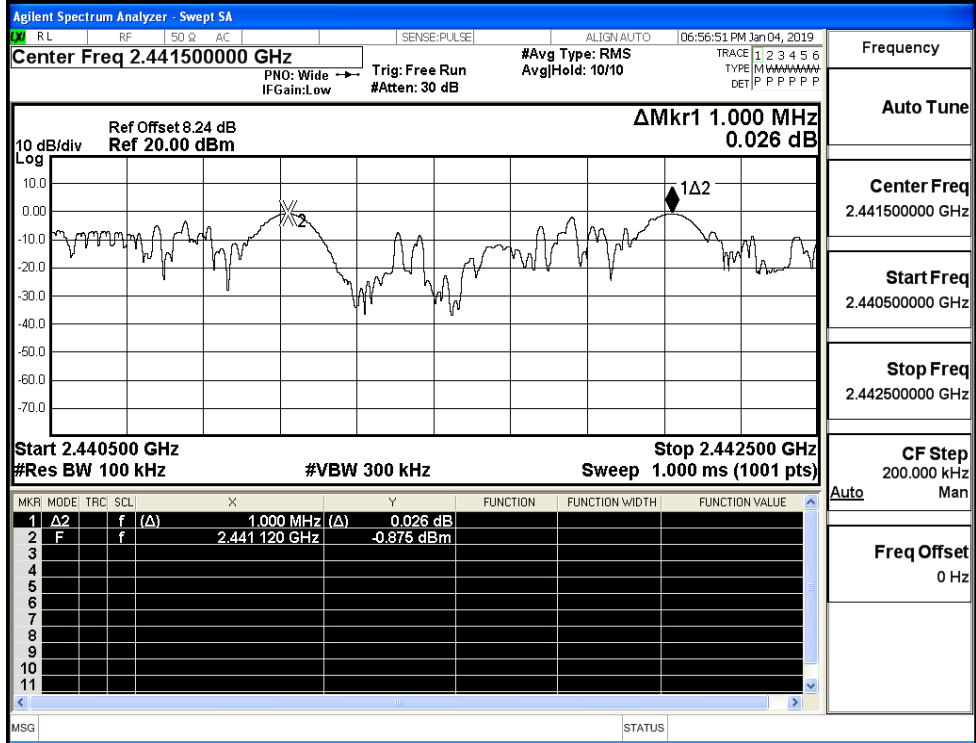
0 Hz

$\pi/4$ DQPSK/LCH



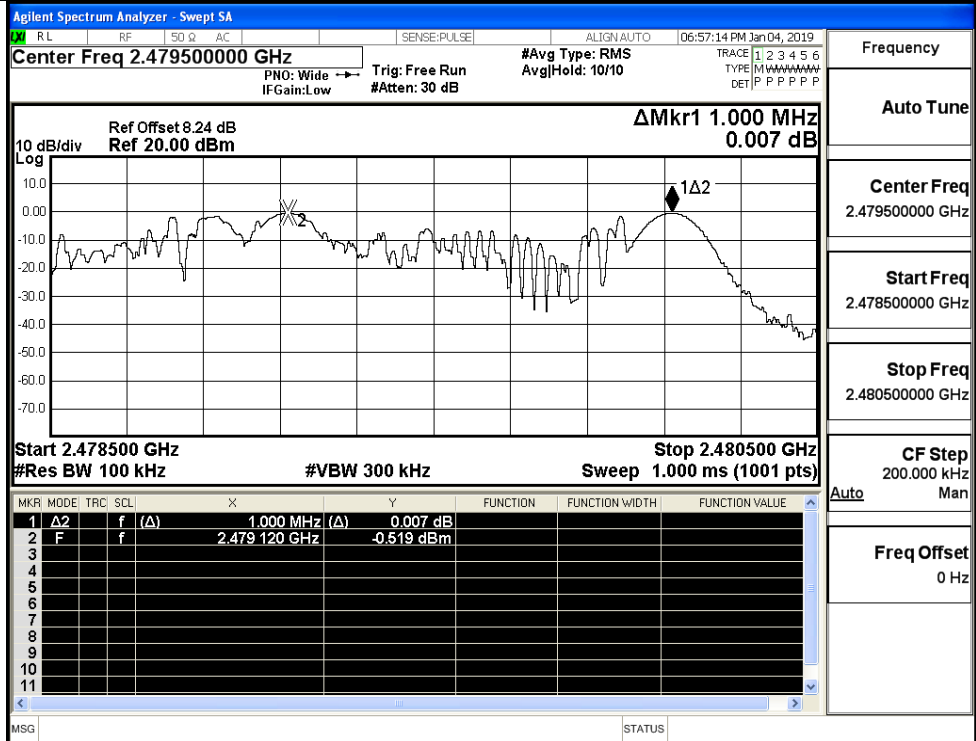
Frequency
Auto Tune
Center Freq
2.402500000 GHz
Start Freq
2.401500000 GHz
Stop Freq
2.403500000 GHz
CF Step
200.000 kHz
Auto
Man
Freq Offset
0 Hz

$\pi/4$ DQPSK/MCH



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

π/4DQPSK/HCH



Frequency

Auto Tune

Center Freq
2.479500000 GHz

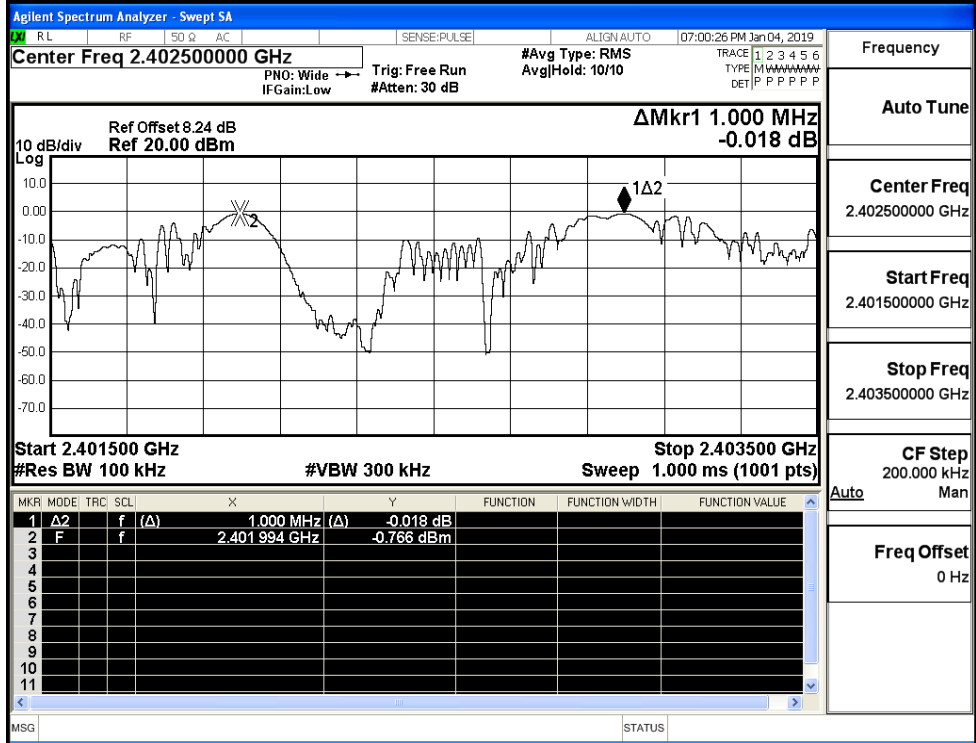
Start Freq
2.478500000 GHz

Stop Freq
2.480500000 GHz

CF Step
200.000 kHz

Freq Offset
0 Hz

8DPSK/LCH



Frequency

Auto Tune

Center Freq
2.402500000 GHz

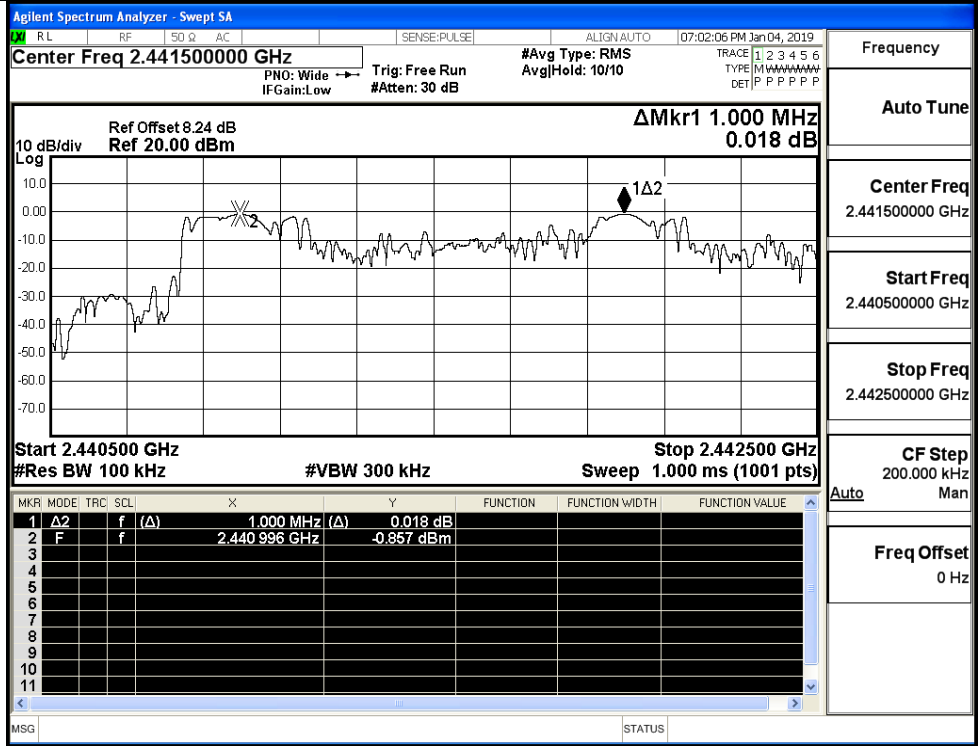
Start Freq
2.401500000 GHz

Stop Freq
2.403500000 GHz

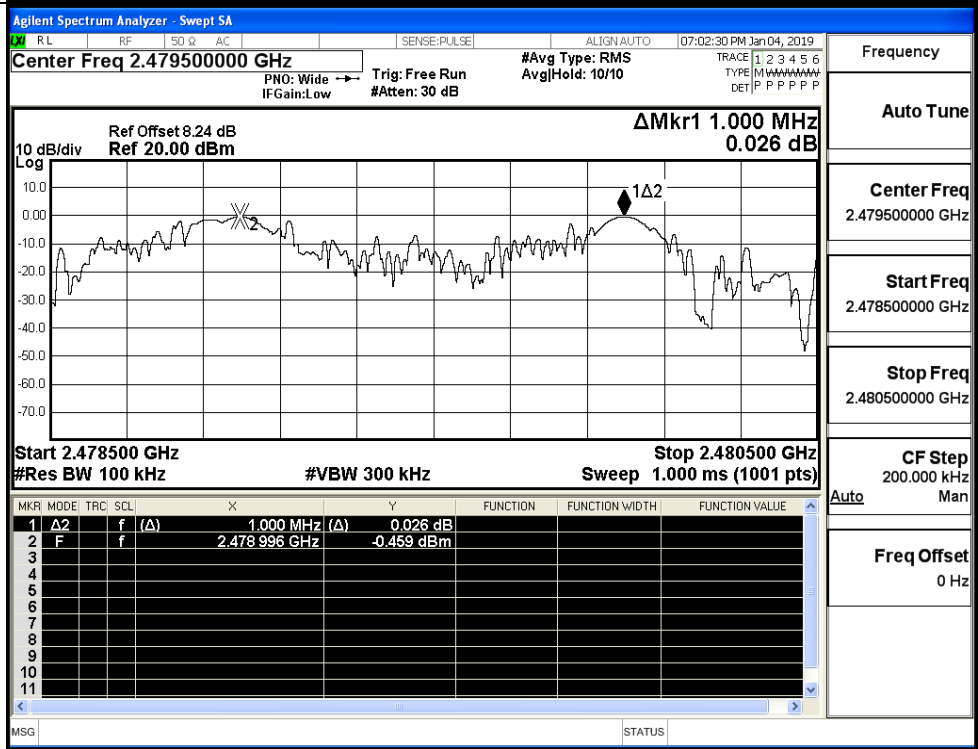
CF Step
200.000 kHz

Freq Offset
0 Hz

8DPSK/MCH



8DPSK/HCH



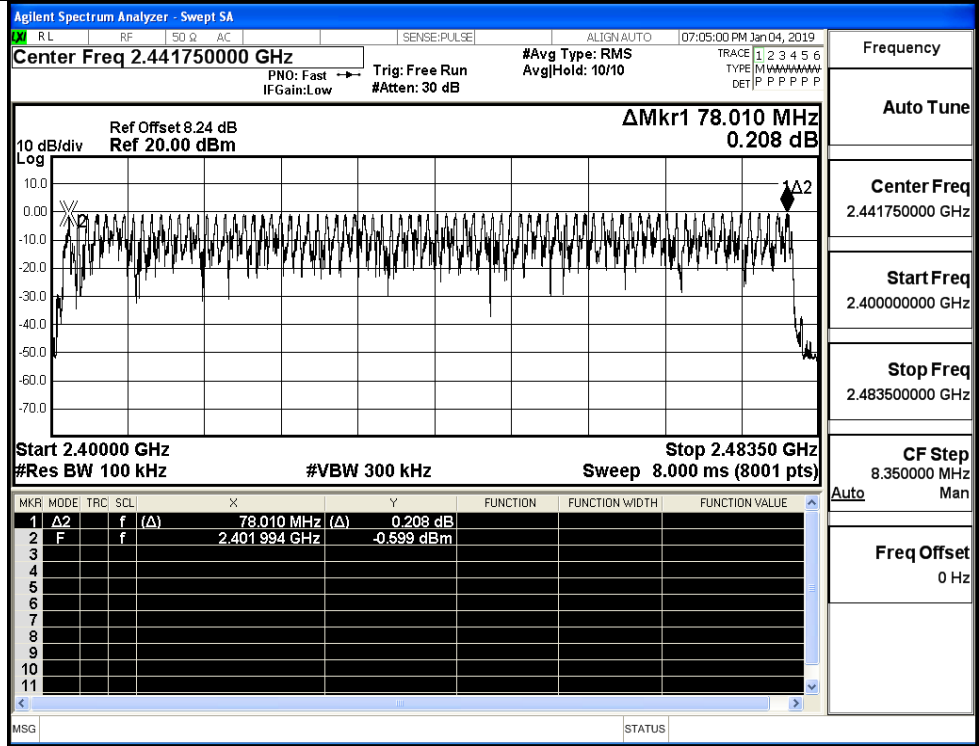
A.4 Hopping Channel Number

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

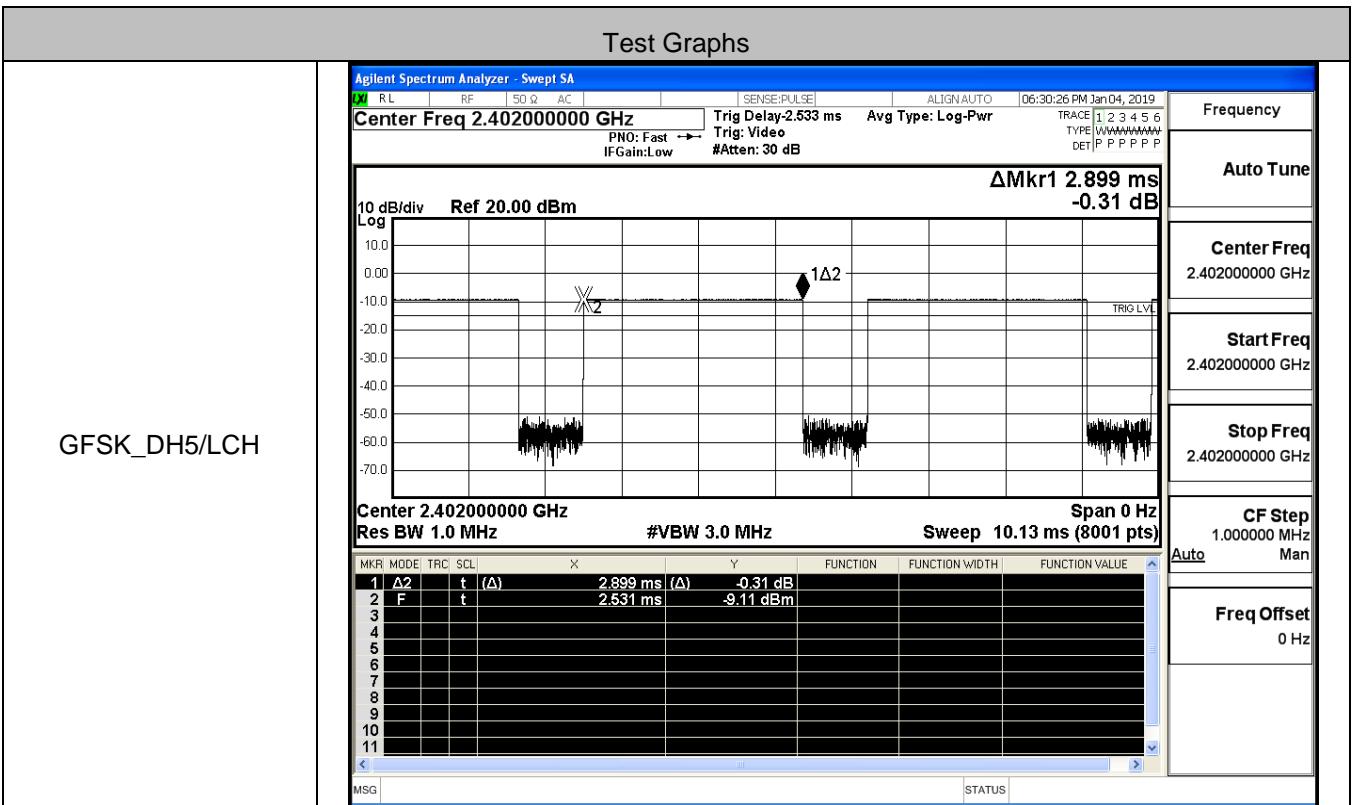
GFSK/Hop	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.441750000 GHz Ref Offset 8.24 dB Ref 20.00 dBm ΔMkr1 77.999 MHz 0.130 dB Start 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.48350 GHz Sweep 8.000 ms (8001 pts)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <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>Δ2</td> <td>f</td> <td>(Δ)</td> <td>77.999 MHz (Δ)</td> <td>0.130 dB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>f</td> <td></td> <td>2.401837 GHz</td> <td>-0.858 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	f	(Δ)	77.999 MHz (Δ)	0.130 dB				2	F	f		2.401837 GHz	-0.858 dBm				Frequency Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.350000 MHz Man Freq Offset 0 Hz
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$\pi/4$ DQPSK/Hop	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.441750000 GHz Ref Offset 8.24 dB Ref 20.00 dBm ΔMkr1 77.999 MHz 0.304 dB Start 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.48350 GHz Sweep 8.000 ms (8001 pts)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <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>Δ2</td> <td>f</td> <td>(Δ)</td> <td>77.999 MHz (Δ)</td> <td>0.304 dB</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>f</td> <td></td> <td>2.402119 GHz</td> <td>-0.722 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	f	(Δ)	77.999 MHz (Δ)	0.304 dB				2	F	f		2.402119 GHz	-0.722 dBm				Frequency Auto Tune Center Freq 2.441750000 GHz Start Freq 2.400000000 GHz Stop Freq 2.483500000 GHz CF Step 8.350000 MHz Man Freq Offset 0 Hz
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2	F	f		2.402119 GHz	-0.722 dBm																								

8DPSK/Hop

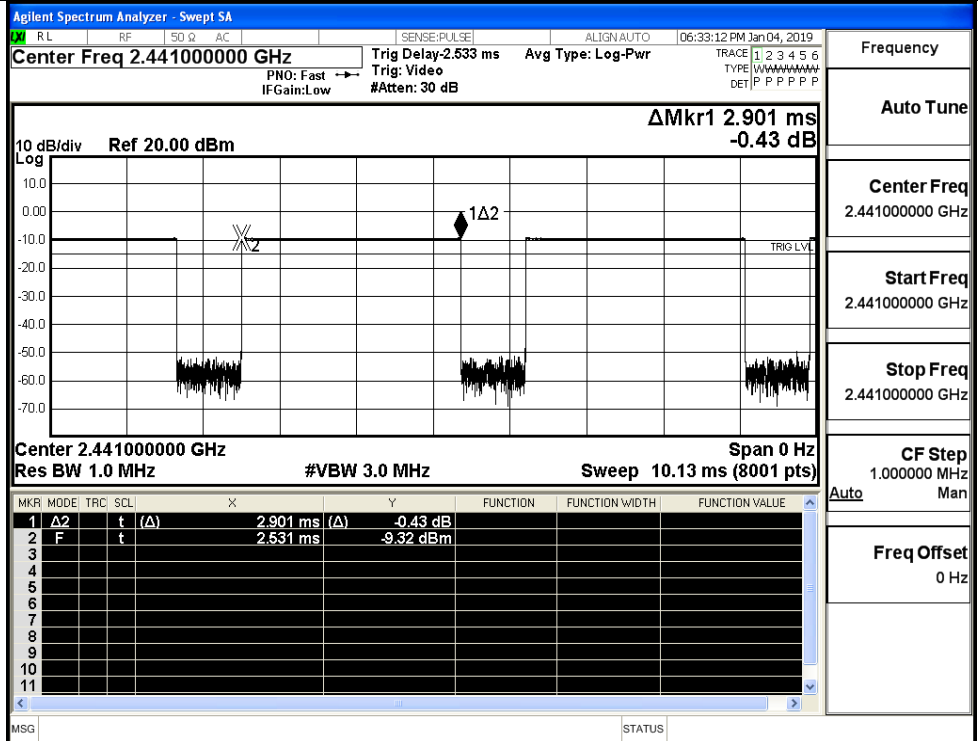


A.5 Dwell Time

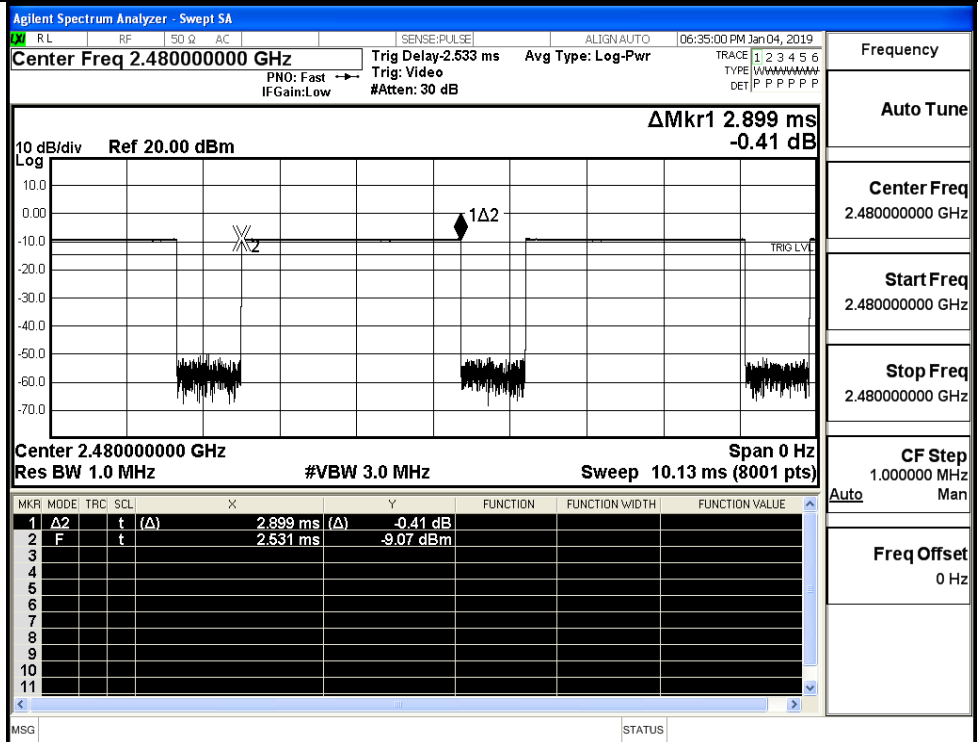
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.90	106.7	0.309	0.4	PASS
	DH5	MCH	2.90	106.7	0.309	0.4	PASS
	DH5	HCH	2.90	106.7	0.309	0.4	PASS
π/4DQPSK	2DH5	LCH	2.89	106.7	0.308	0.4	PASS
	2DH5	MCH	2.89	106.7	0.308	0.4	PASS
	2DH5	HCH	2.89	106.7	0.308	0.4	PASS
8DPSK	3DH5	LCH	2.89	106.7	0.308	0.4	PASS
	3DH5	MCH	2.89	106.7	0.308	0.4	PASS
	3DH5	HCH	2.89	106.7	0.308	0.4	PASS



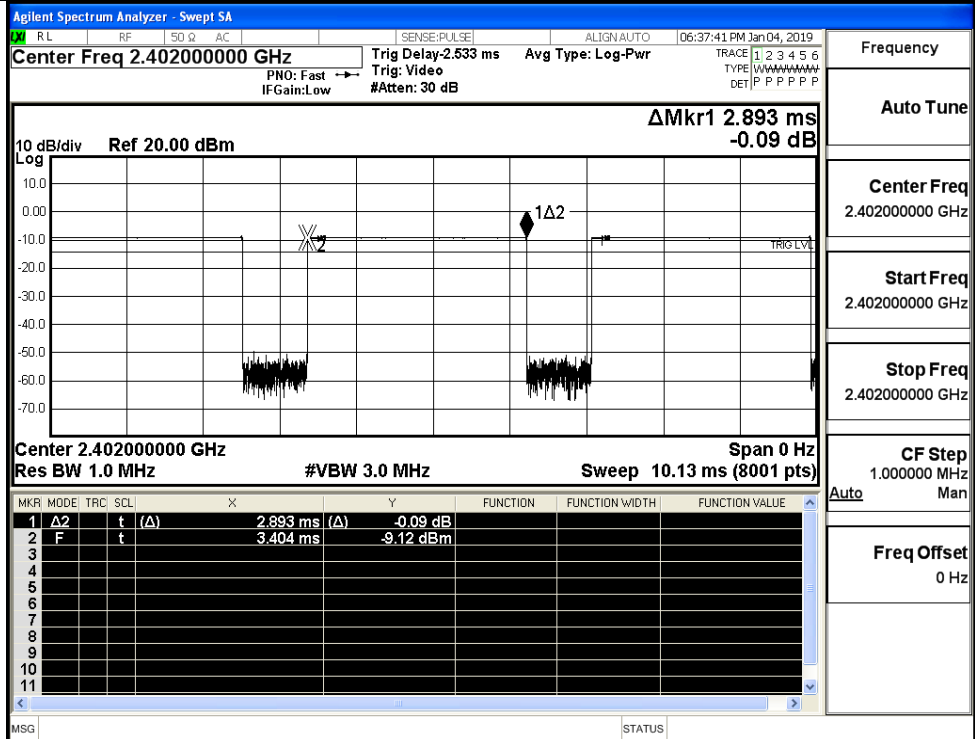
GFSK_DH5/MCH



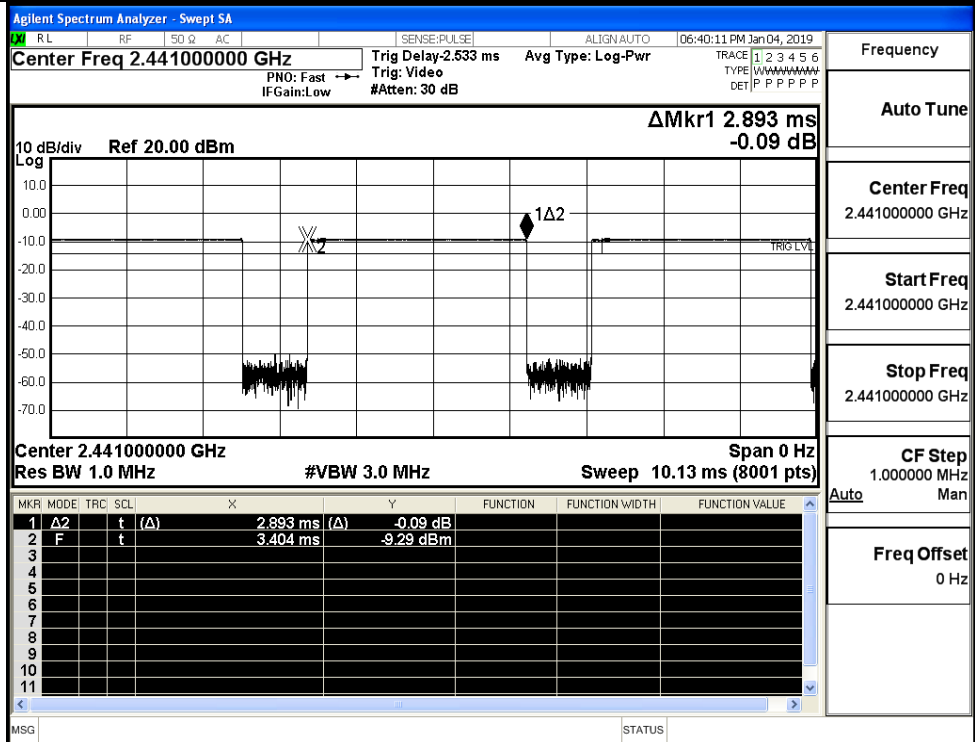
GFSK_DH5/HCH



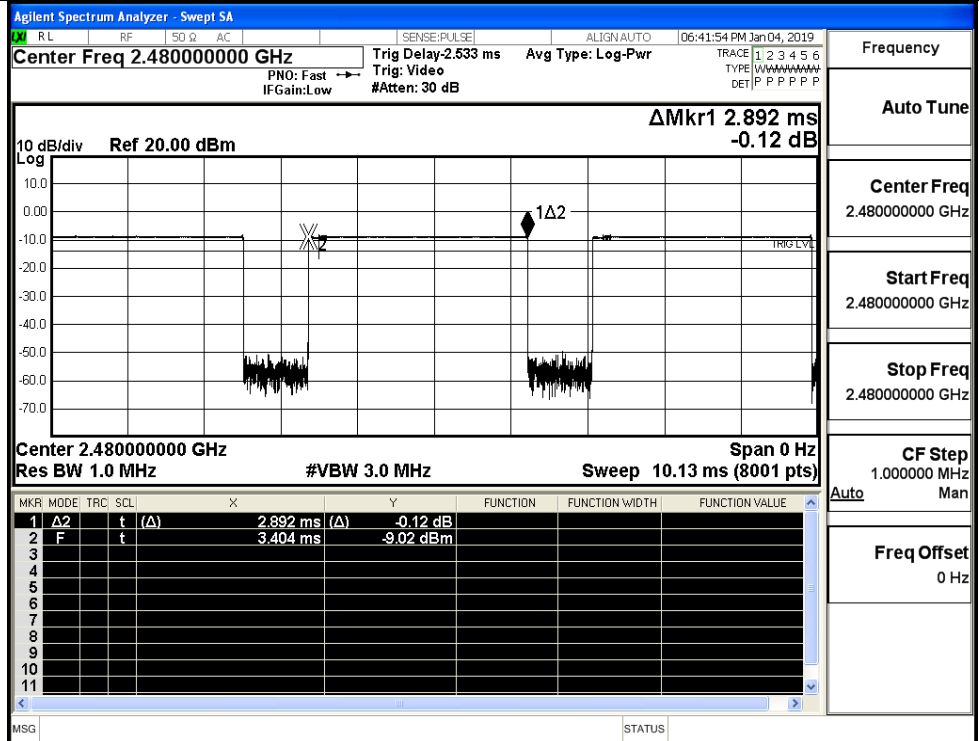
$\pi/4$ DQPSK
_2DH5/LCH



$\pi/4$ DQPSK
_2DH5/MCH

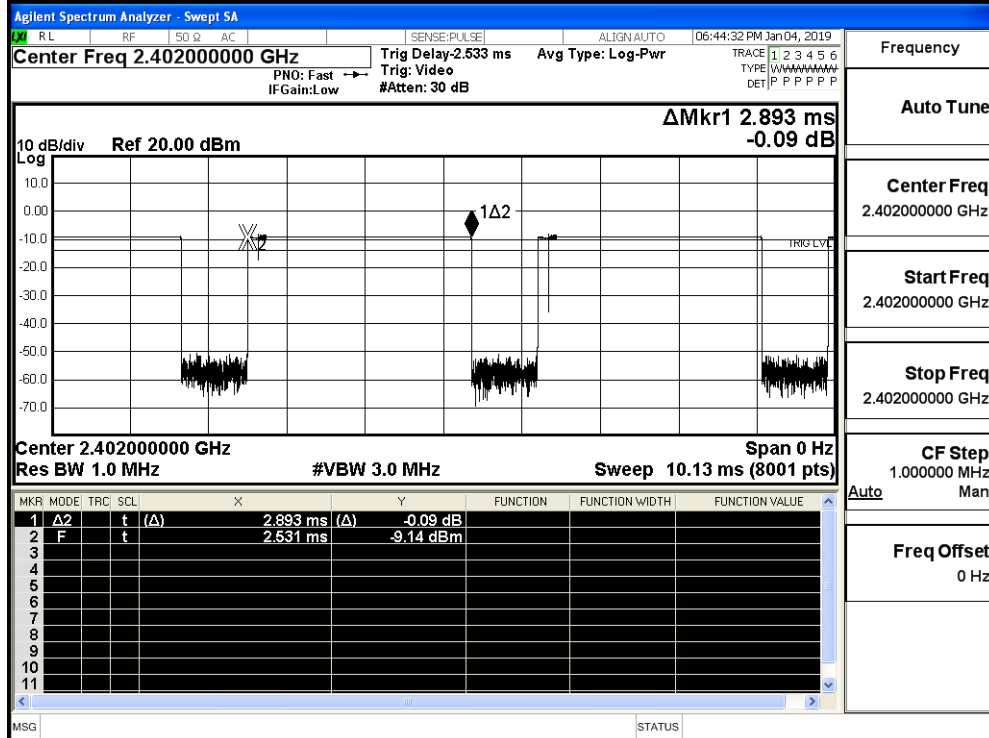


$\pi/4$ DQPSK
_2DH5/HCH



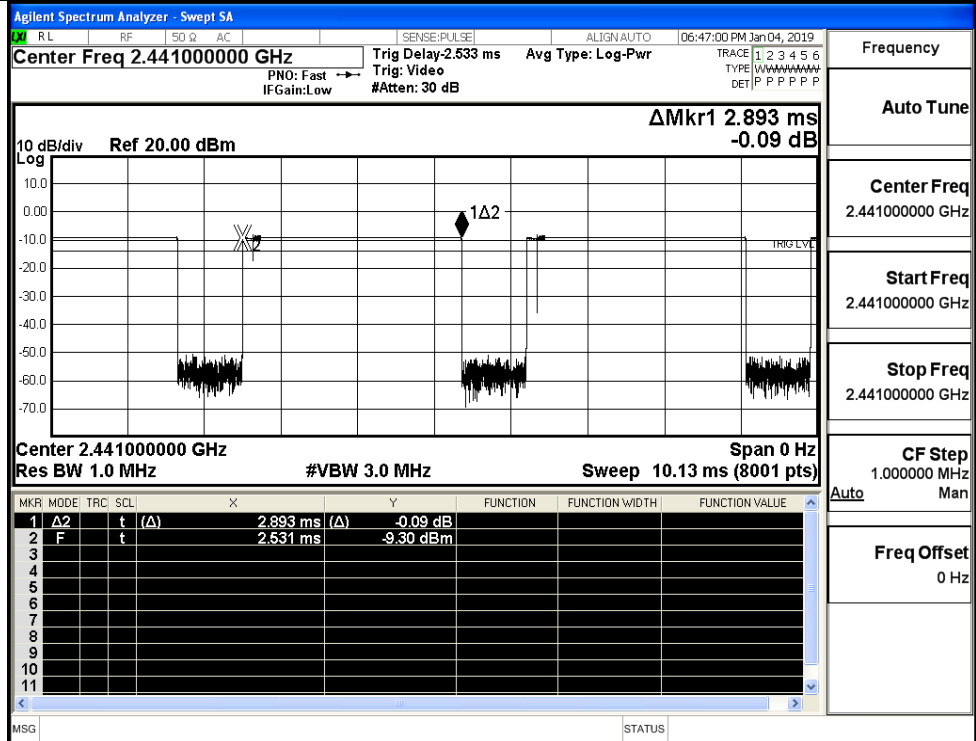
Frequency	
Auto Tune	
Center Freq	2.480000000 GHz
Start Freq	2.480000000 GHz
Stop Freq	2.480000000 GHz
CF Step	1.000000 MHz
Auto	Man
Freq Offset	0 Hz

8DPSK_3DH5/LCH

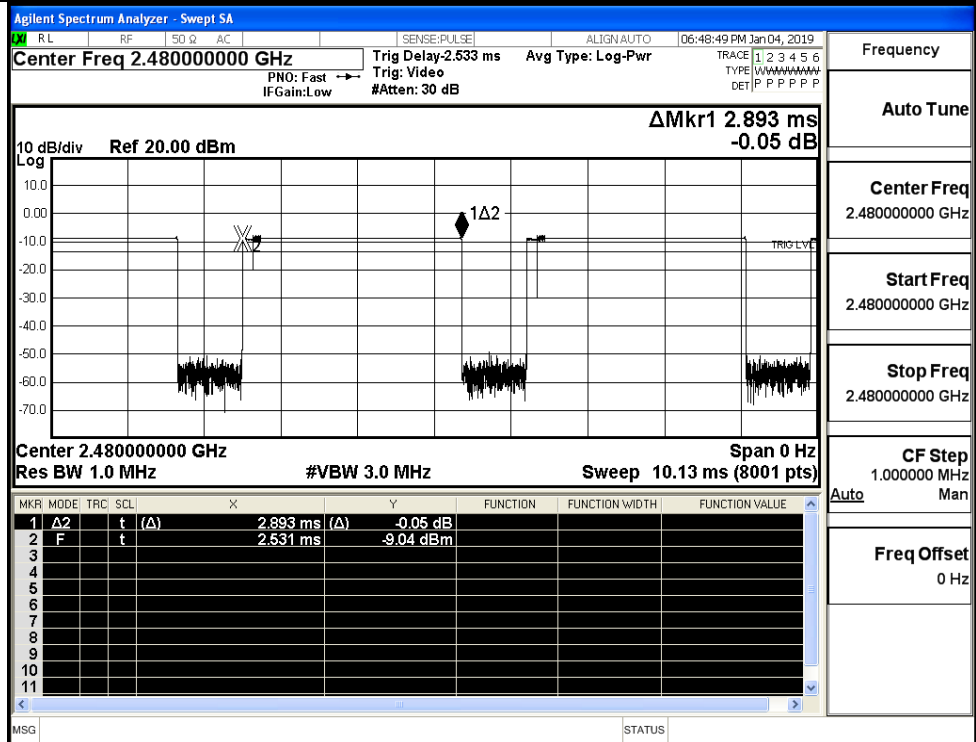


Frequency	
Auto Tune	
Center Freq	2.402000000 GHz
Start Freq	2.402000000 GHz
Stop Freq	2.402000000 GHz
CF Step	1.000000 MHz
Auto	Man
Freq Offset	0 Hz

8DPSK_3DH5/MCH



8DPSK_3DH5/HCH

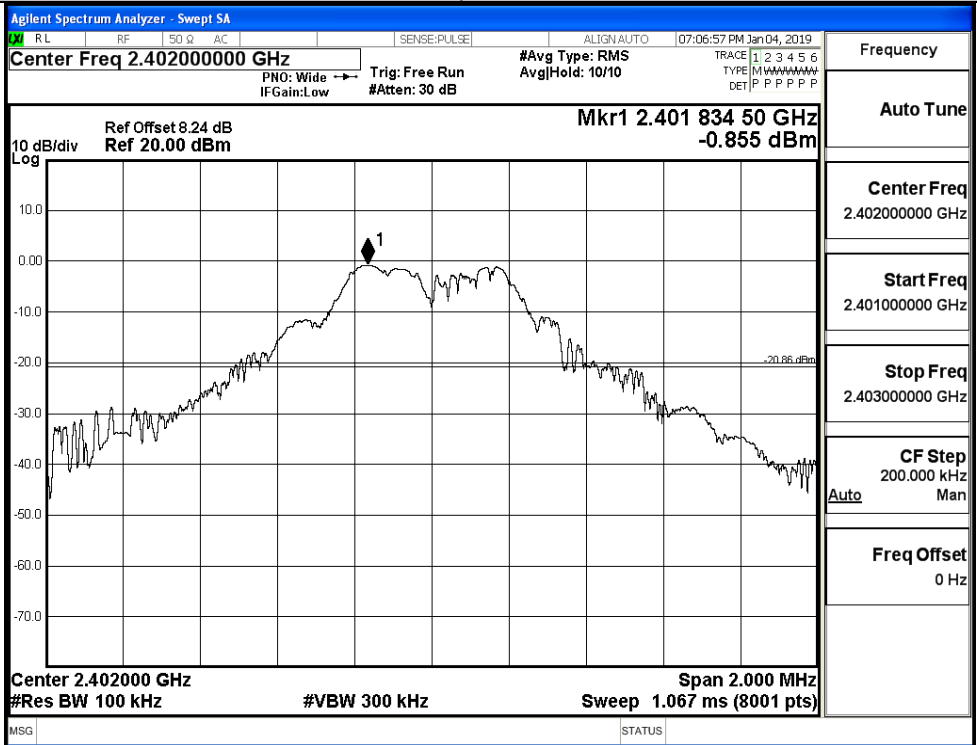


A.6 RF Conducted Spurious Emissions

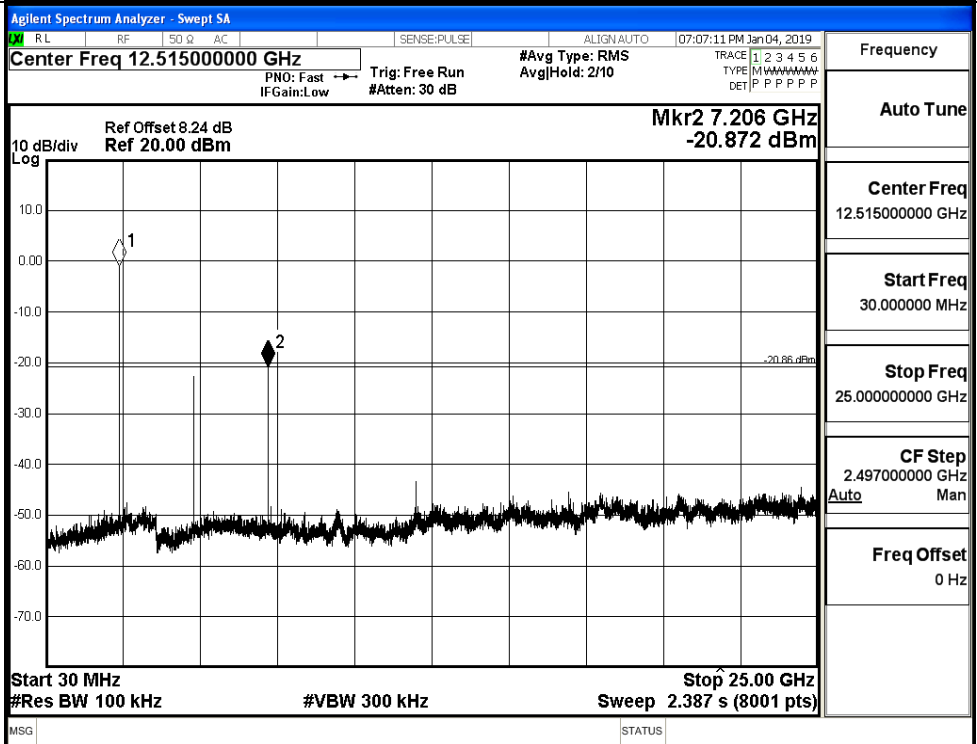
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	-0.855	-20.872	-20.855	PASS
	MCH	-1.092	-22.273	-21.092	PASS
	HCH	-0.837	-22.078	-20.837	PASS
$\pi/4$ DQPSK	LCH	0.666	-20.025	-19.334	PASS
	MCH	-0.857	-21.816	-20.857	PASS
	HCH	-0.513	-21.827	-20.513	PASS
8DPSK	LCH	-0.747	-21.830	-20.747	PASS
	MCH	-0.834	-21.174	-20.834	PASS
	HCH	-0.434	-21.167	-20.434	PASS

GFSK_LCH_Graphs

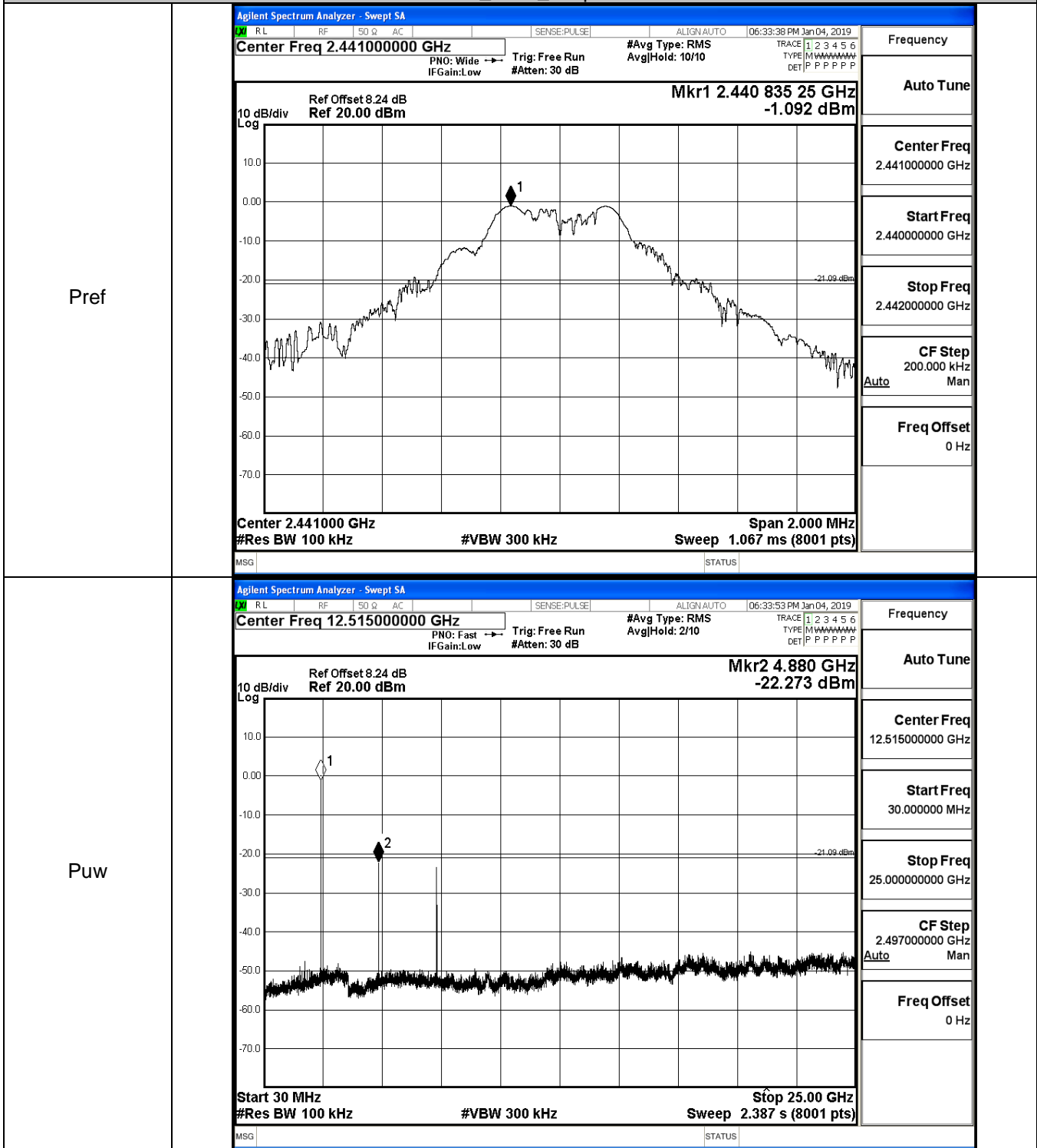
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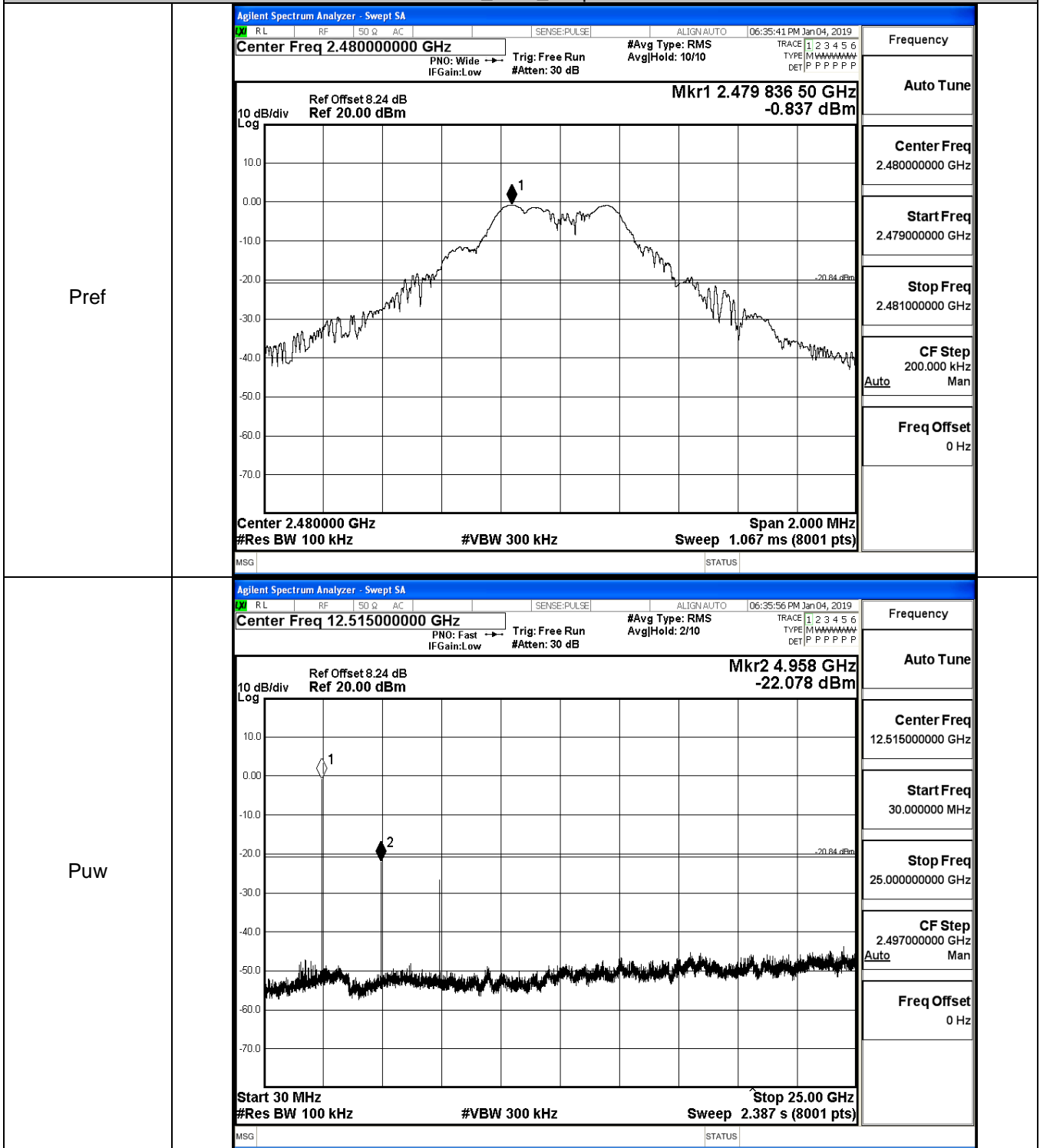
Puw



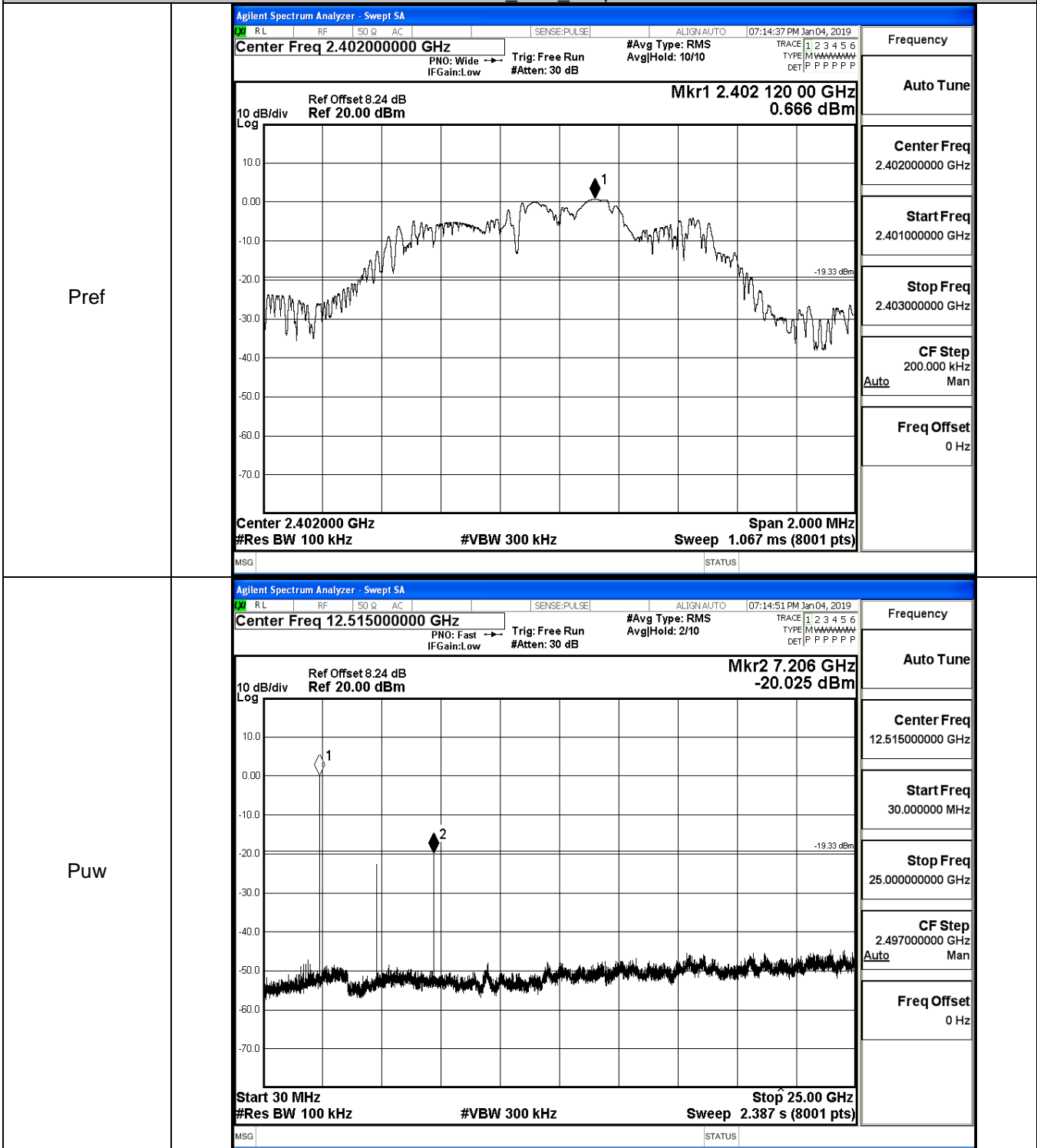
GFSK_MCH_Graphs



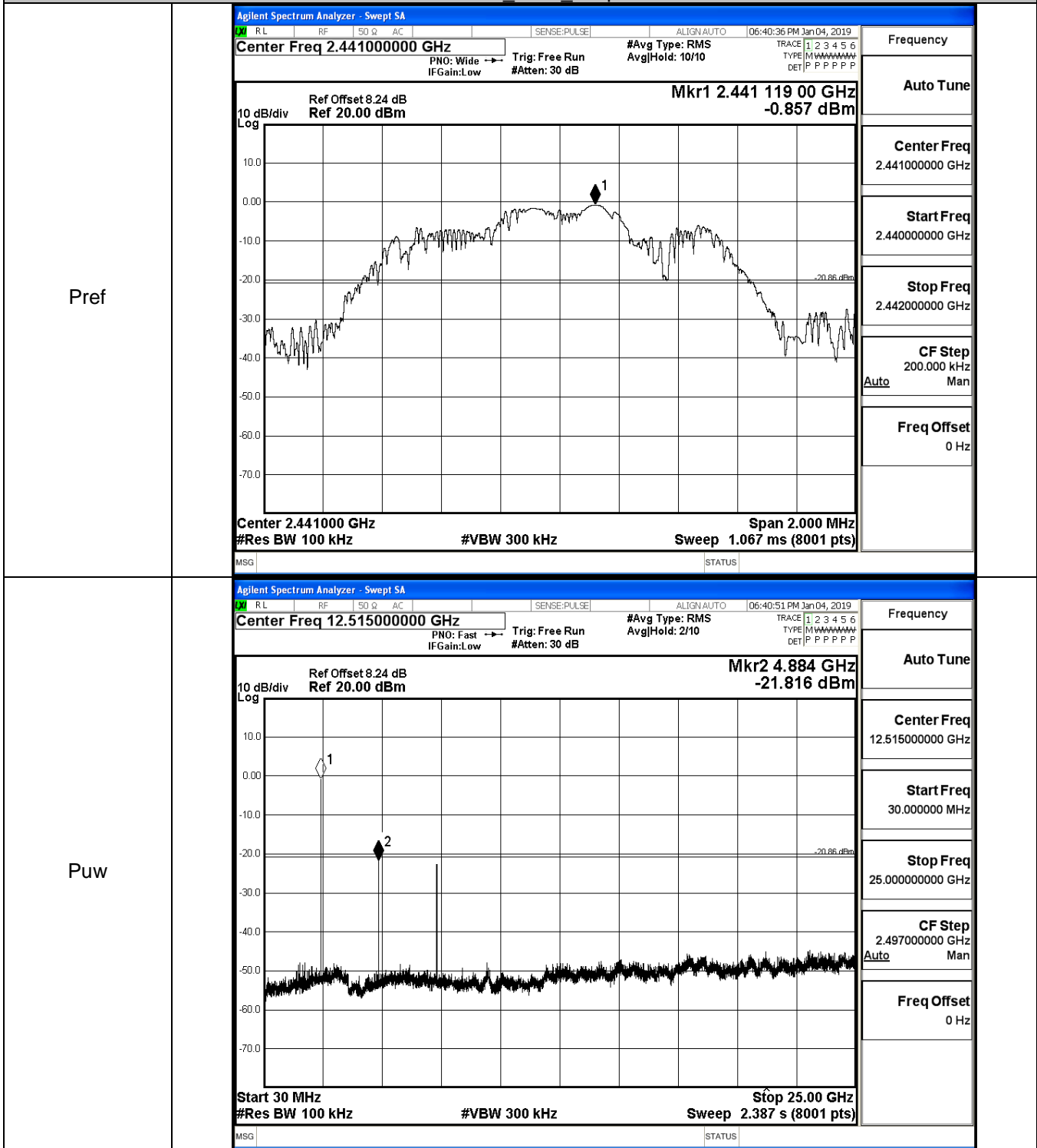
GFSK_HCH_Graphs



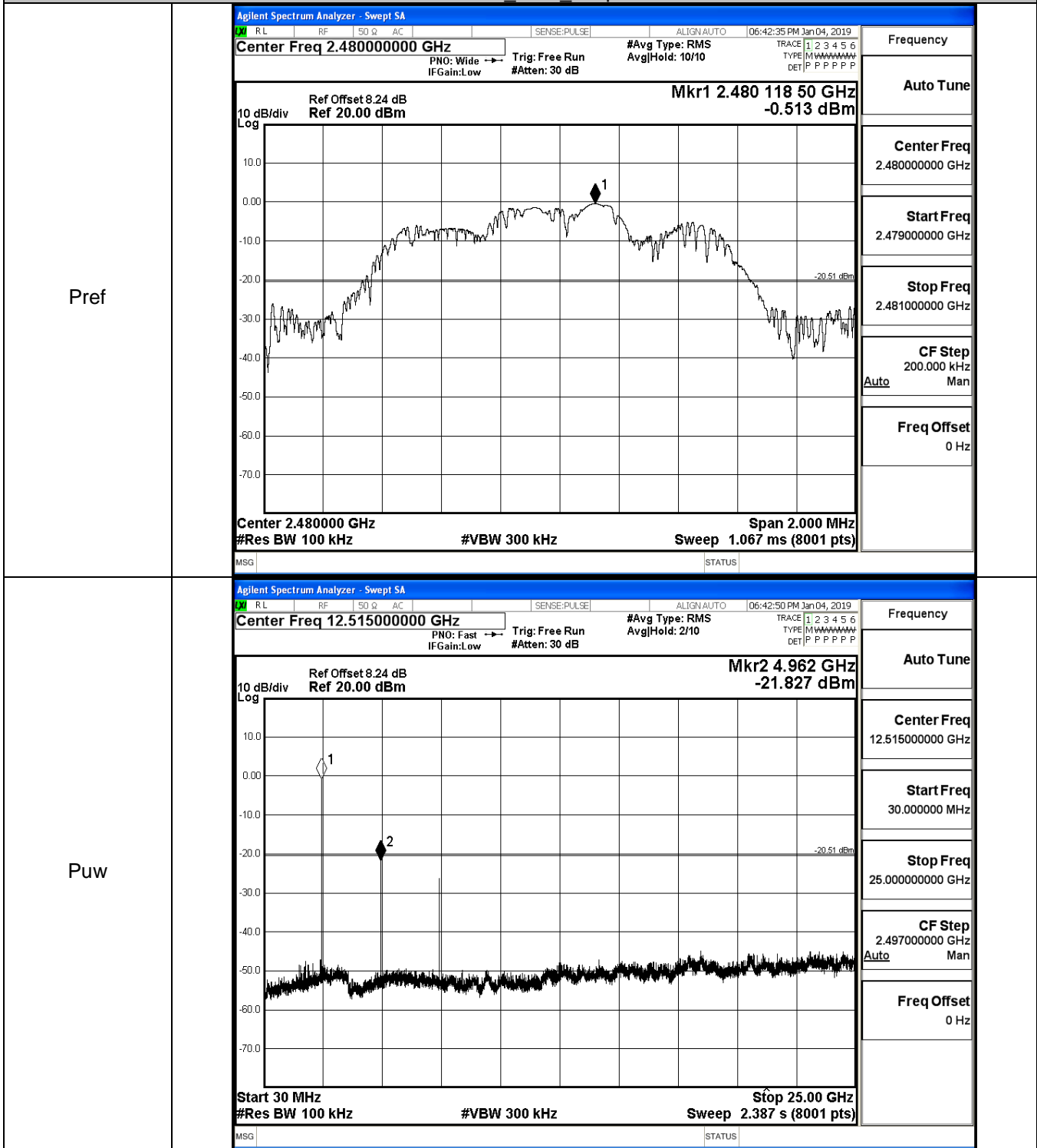
$\pi/4$ DQPSK LCH_Graphs



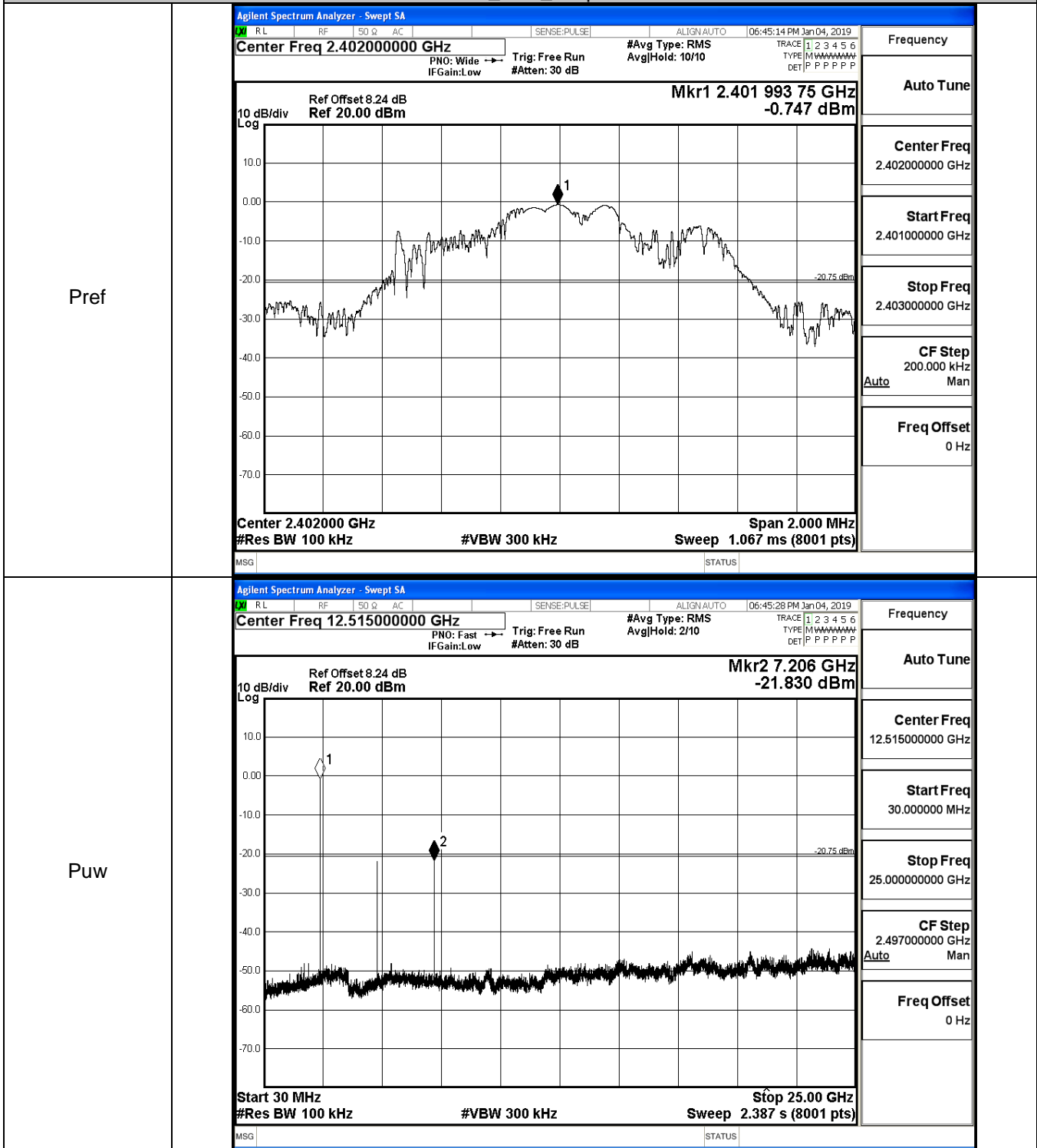
$\pi/4$ DQPSK_MCH_Graphs



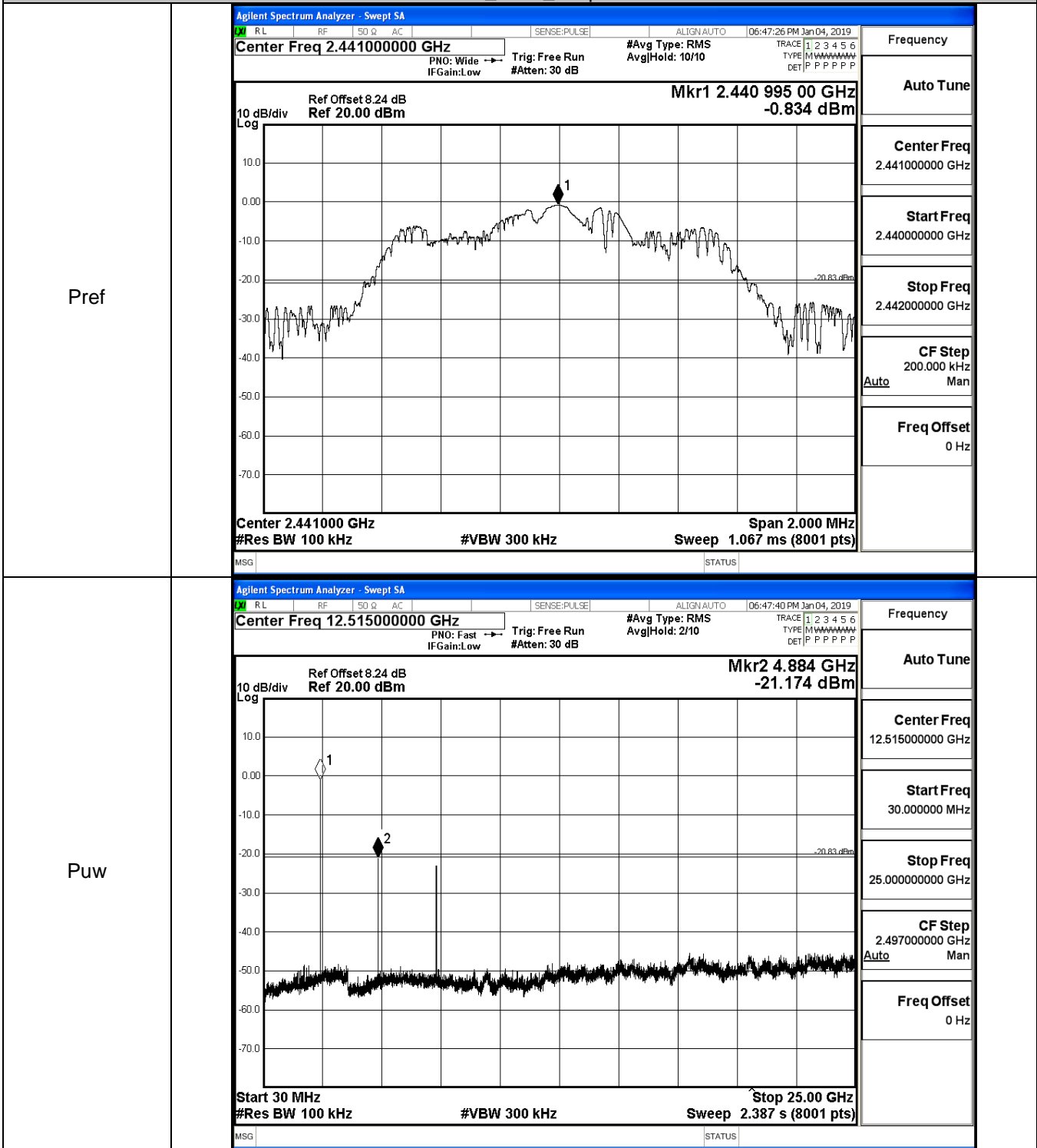
$\pi/4$ DQPSK_HCH_Graphs



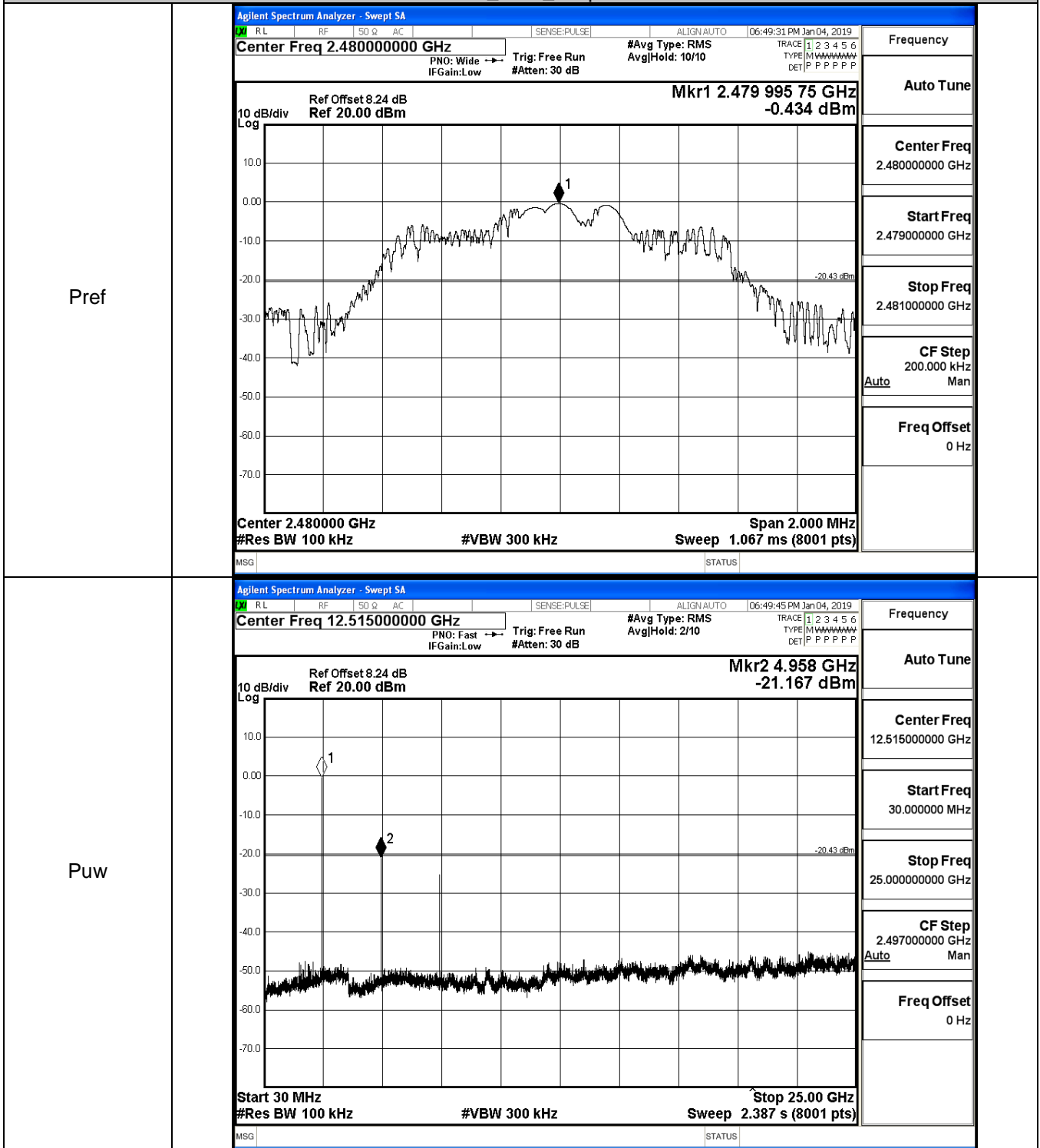
8DPSK_LCH_Graphs



8DPSK_MCH_Graphs



8DPSK_HCH_Graphs



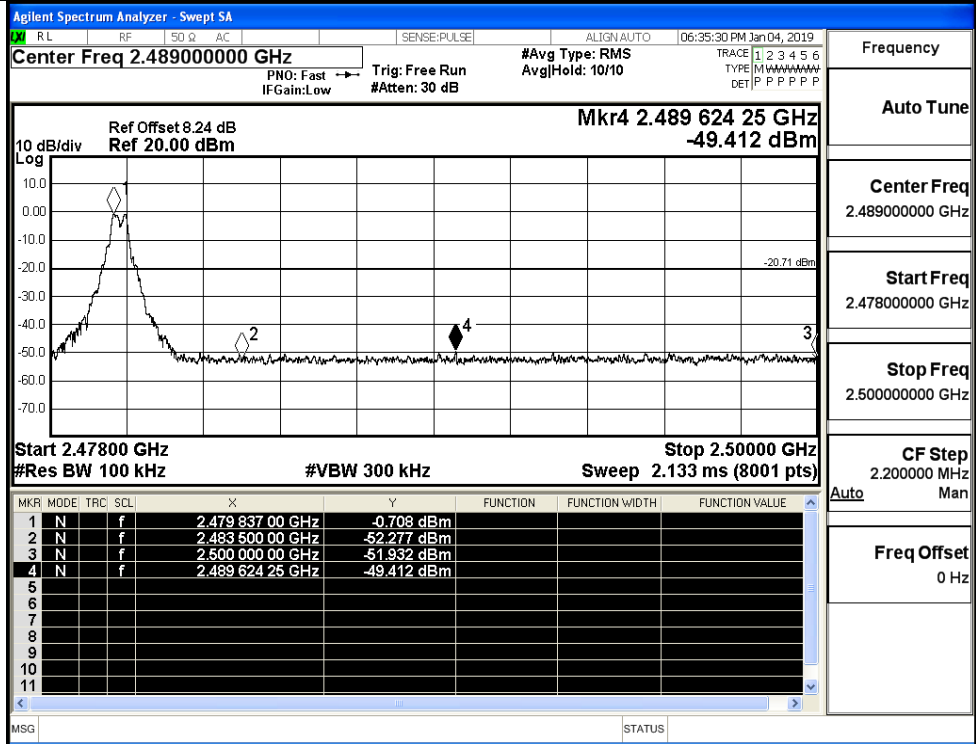
A.7 Band-edge for RF Conducted Emissions

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	-0.788	Off	-50.040	-20.79	PASS
			-0.853	On	-40.314	-20.85	PASS
	HCH	2480	-0.708	Off	-49.412	-20.71	PASS
			-0.725	On	-48.855	-20.73	PASS
$\pi/4$ DQPSK	LCH	2402	-0.674	Off	-49.530	-20.67	PASS
			-0.712	On	-40.614	-20.71	PASS
	HCH	2480	-0.371	Off	-49.400	-20.37	PASS
			-0.387	On	-46.631	-20.39	PASS
8DPSK	LCH	2402	-0.618	Off	-48.449	-20.62	PASS
			-0.672	On	-37.087	-20.67	PASS
	HCH	2480	-0.309	Off	-48.525	-20.31	PASS
			-0.354	On	-49.411	-20.35	PASS

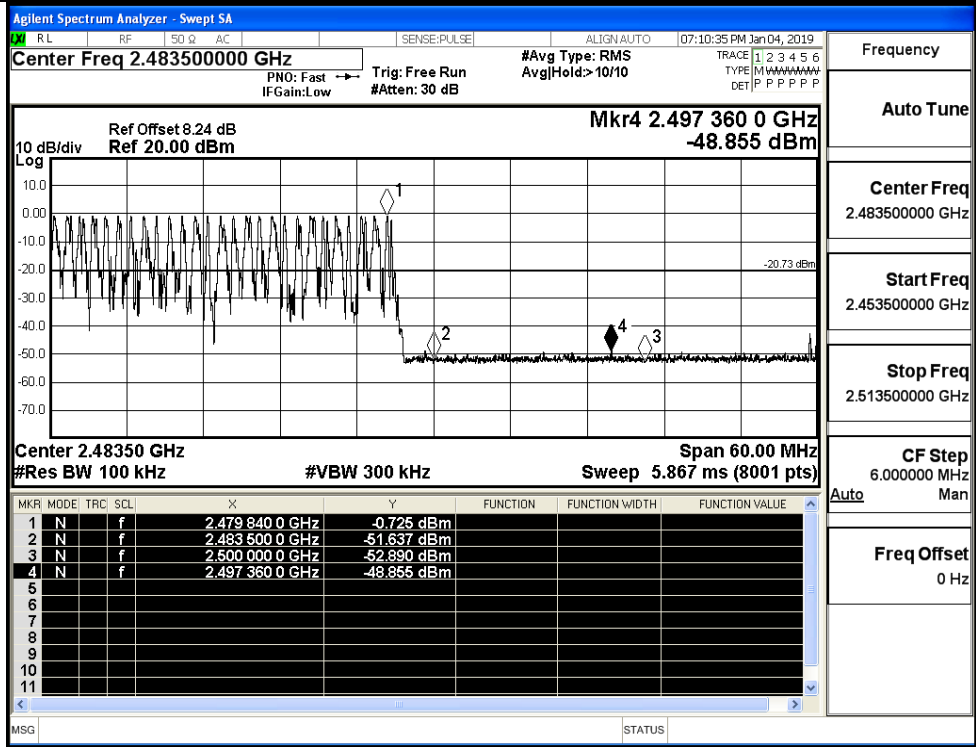
Test Graphs

GFSK/LCH/No Hop	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.35700000 GHz</p> <p>Ref Offset 8.24 dB Ref 20.00 dBm</p> <p>Mkr4 2.327 660 GHz -50.040 dBm</p> <p>Start 2.31000 GHz #Res BW 100 kHz</p> <p>Stop 2.40400 GHz #VBW 300 kHz Sweep 9.067 ms (8001 pts)</p> <table border="1"> <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>f</td> <td></td> <td>2.402 155 GHz</td> <td>-0.788 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td></td> <td>2.400 000 GHz</td> <td>-52.662 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td></td> <td>2.390 000 GHz</td> <td>-53.665 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.327 660 GHz</td> <td>-50.040 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f		2.402 155 GHz	-0.788 dBm				2	N	f		2.400 000 GHz	-52.662 dBm				3	N	f		2.390 000 GHz	-53.665 dBm				4	N	f		2.327 660 GHz	-50.040 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.357000000 GHz</p> <p>Start Freq 2.310000000 GHz</p> <p>Stop Freq 2.404000000 GHz</p> <p>CF Step 9.400000 MHz</p> <p>Freq Offset 0 Hz</p>
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4	N	f		2.327 660 GHz	-50.040 dBm																																										
GFSK/LCH/Hop	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.40000000 GHz</p> <p>Ref Offset 8.24 dB Ref 20.00 dBm</p> <p>Mkr4 2.374 905 0 GHz -40.314 dBm</p> <p>Center 2.40000 GHz #Res BW 100 kHz</p> <p>Span 60.00 MHz #VBW 300 kHz Sweep 5.867 ms (8001 pts)</p> <table border="1"> <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>f</td> <td></td> <td>2.402 835 0 GHz</td> <td>-0.853 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td></td> <td>2.400 000 0 GHz</td> <td>-50.464 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td></td> <td>2.390 000 0 GHz</td> <td>-52.365 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.374 905 0 GHz</td> <td>-40.314 dBm</td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	N	f		2.402 835 0 GHz	-0.853 dBm				2	N	f		2.400 000 0 GHz	-50.464 dBm				3	N	f		2.390 000 0 GHz	-52.365 dBm				4	N	f		2.374 905 0 GHz	-40.314 dBm				<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.400000000 GHz</p> <p>Start Freq 2.370000000 GHz</p> <p>Stop Freq 2.430000000 GHz</p> <p>CF Step 6.000000 MHz</p> <p>Freq Offset 0 Hz</p>
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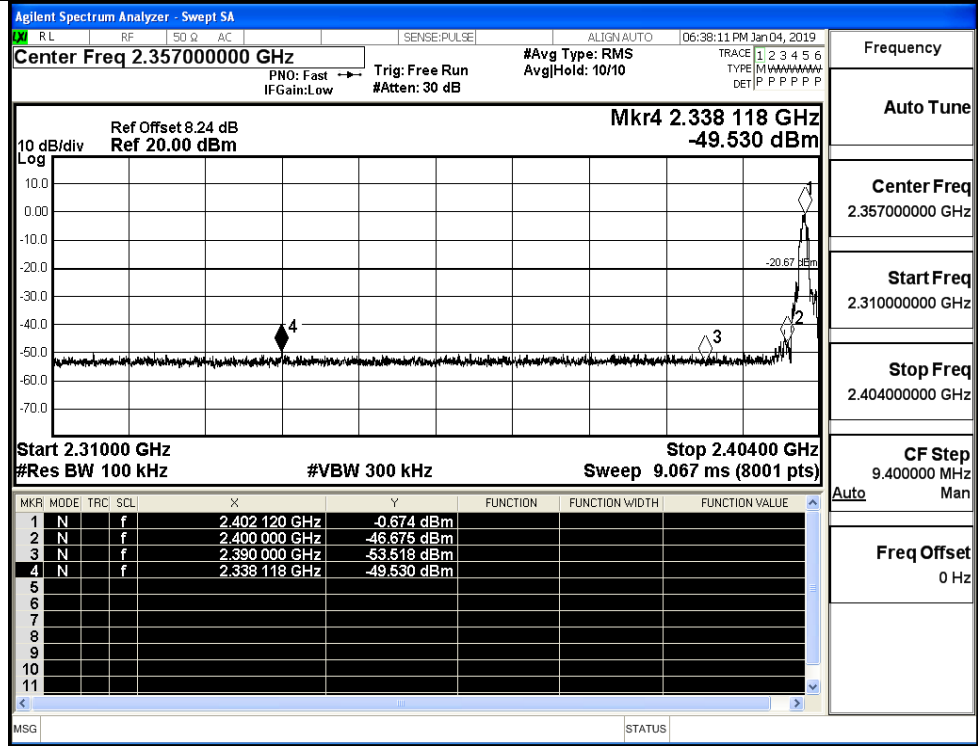
GFSK/HCH/No Hop



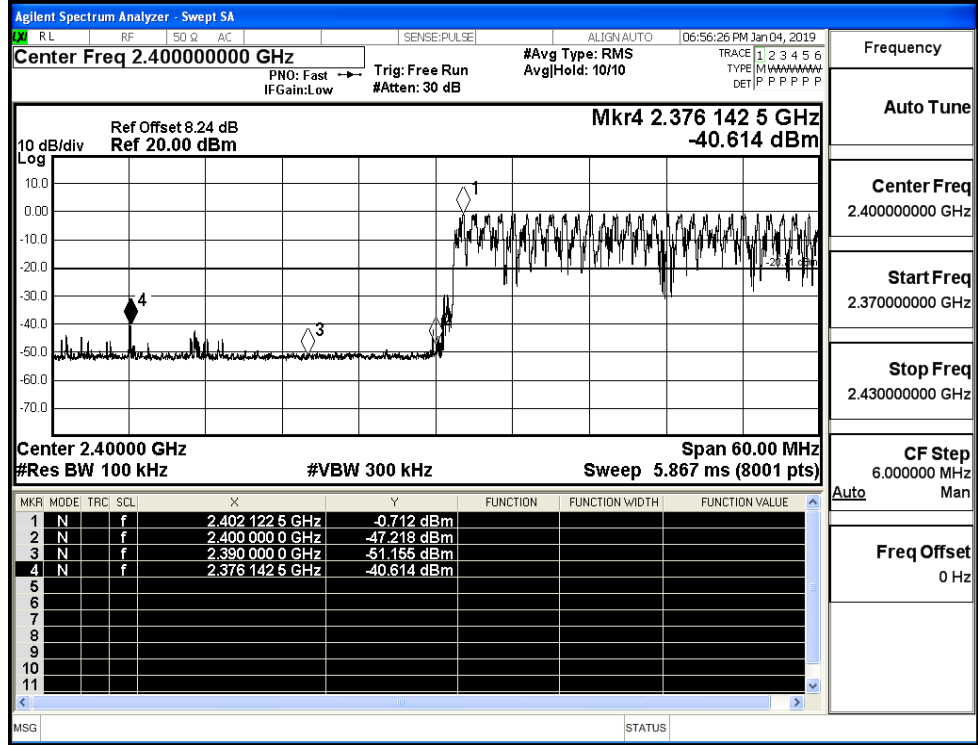
GFSK/HCH/Hop



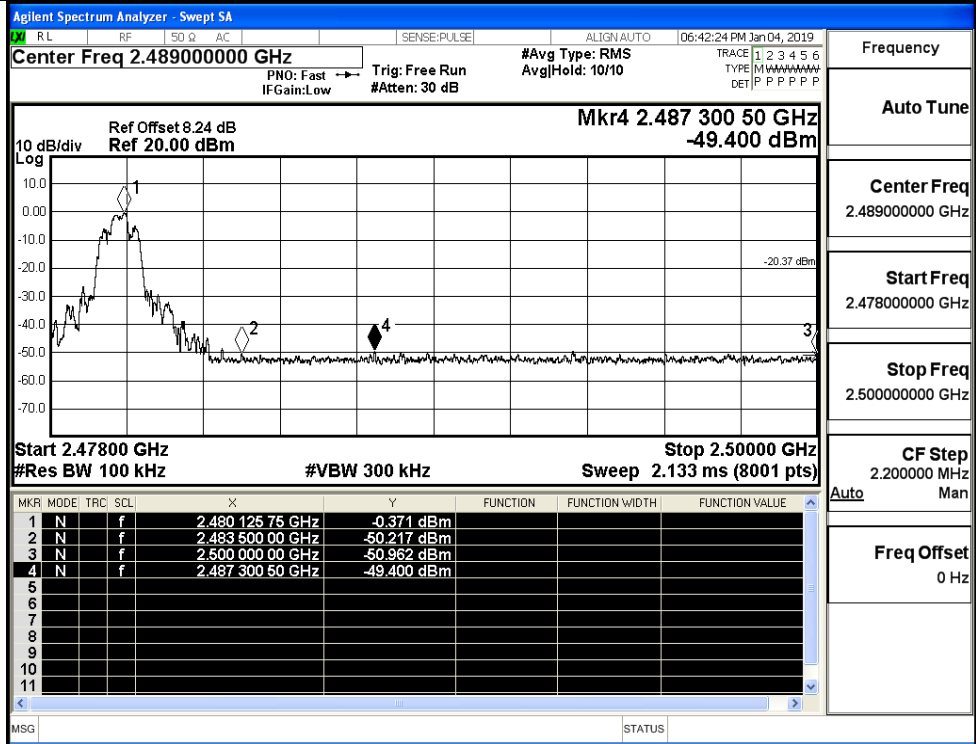
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Hop



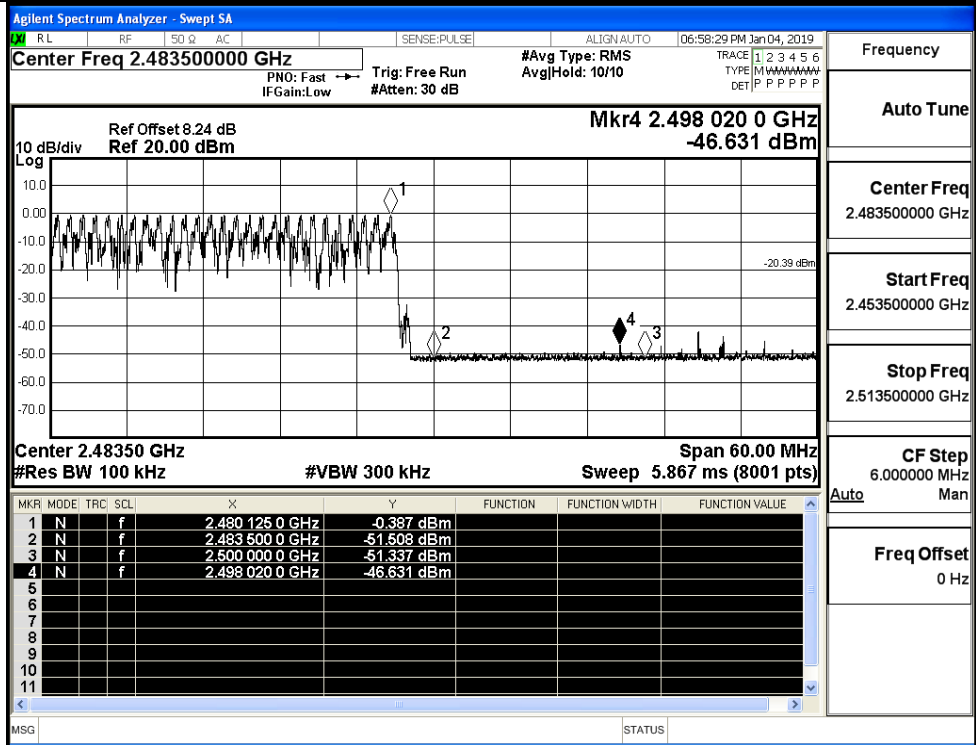
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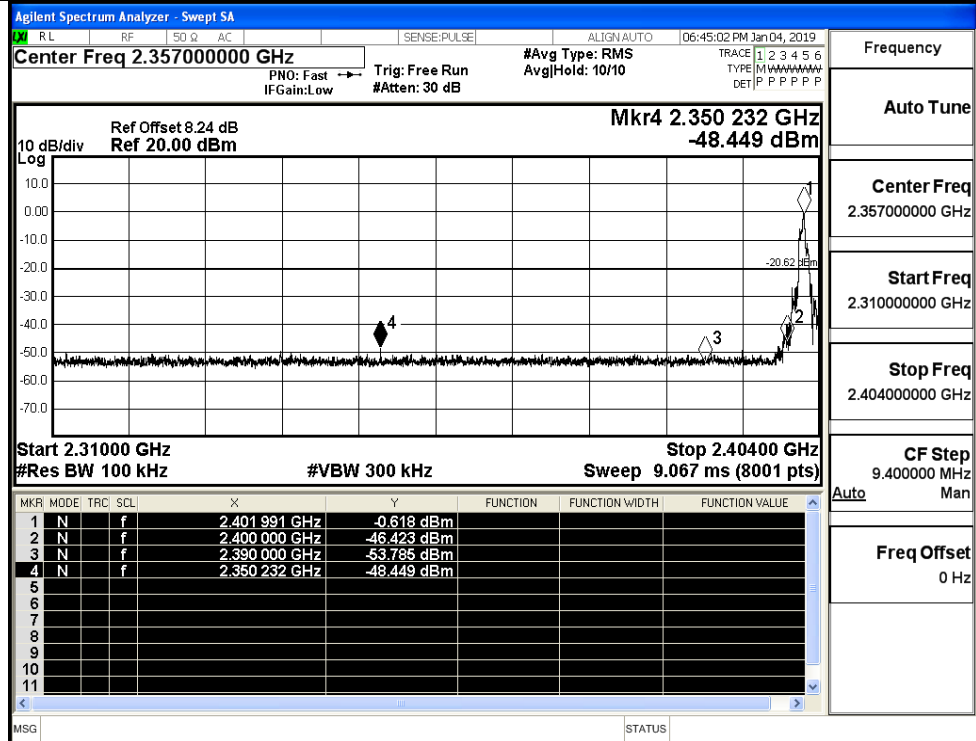
π /4DQPSK/HCH/No
Hop



π /4DQPSK/HCH/Hop

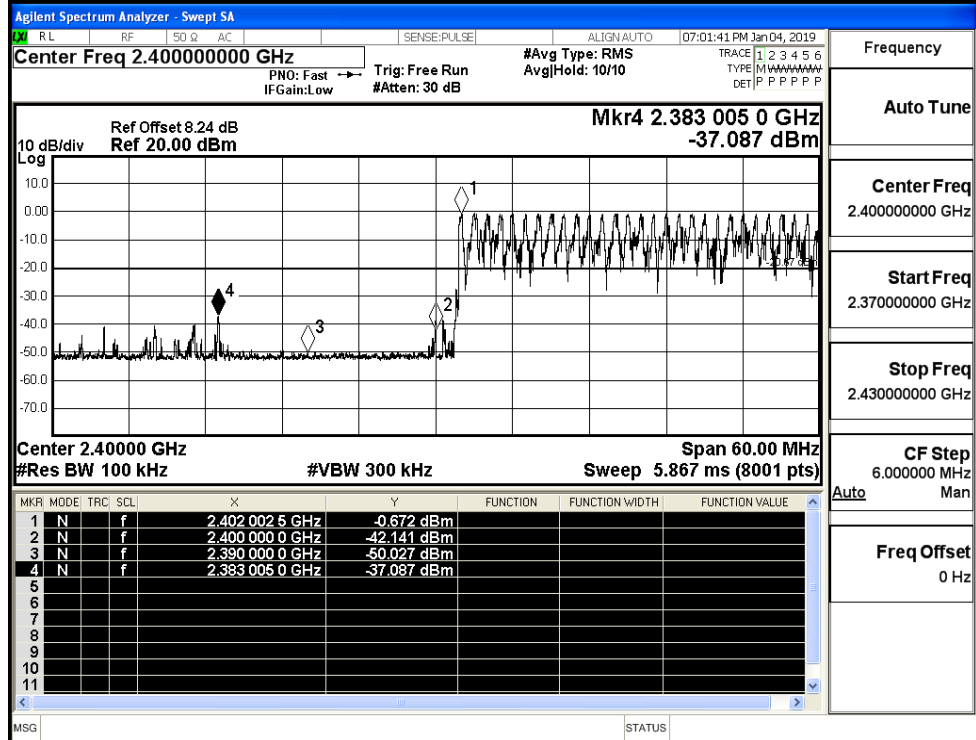


8DPSK/LCH/No Hop



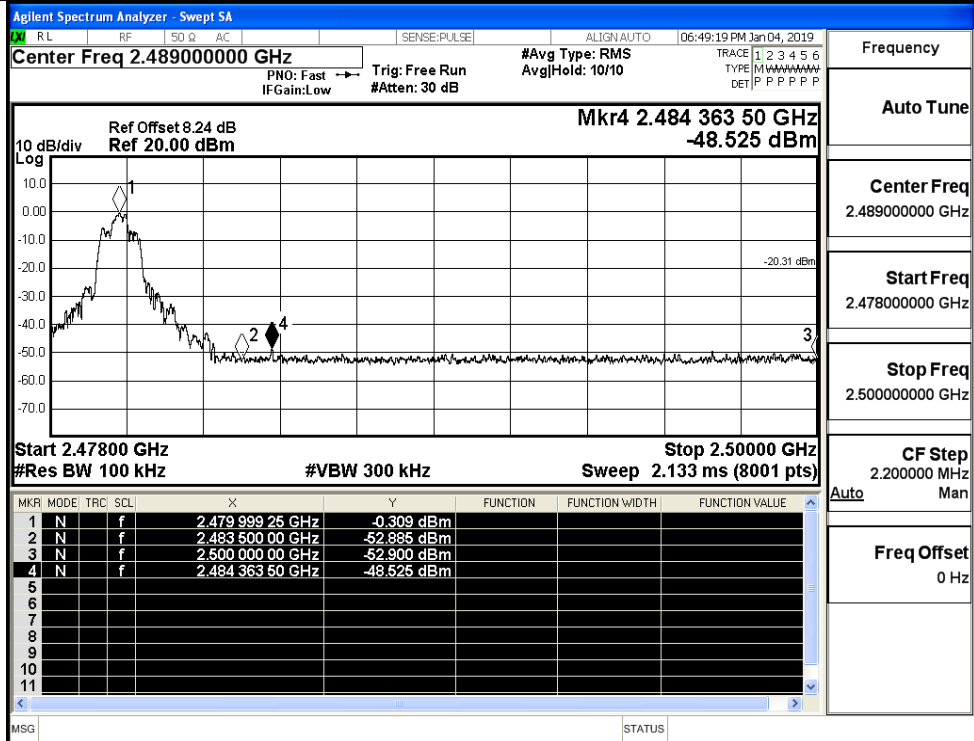
Frequency	2.357000000 GHz
Auto Tune	
Center Freq	2.357000000 GHz
Start Freq	2.310000000 GHz
Stop Freq	2.404000000 GHz
CF Step	9.400000 MHz
Auto	Man
Freq Offset	0 Hz

8DPSK/LCH/Hop

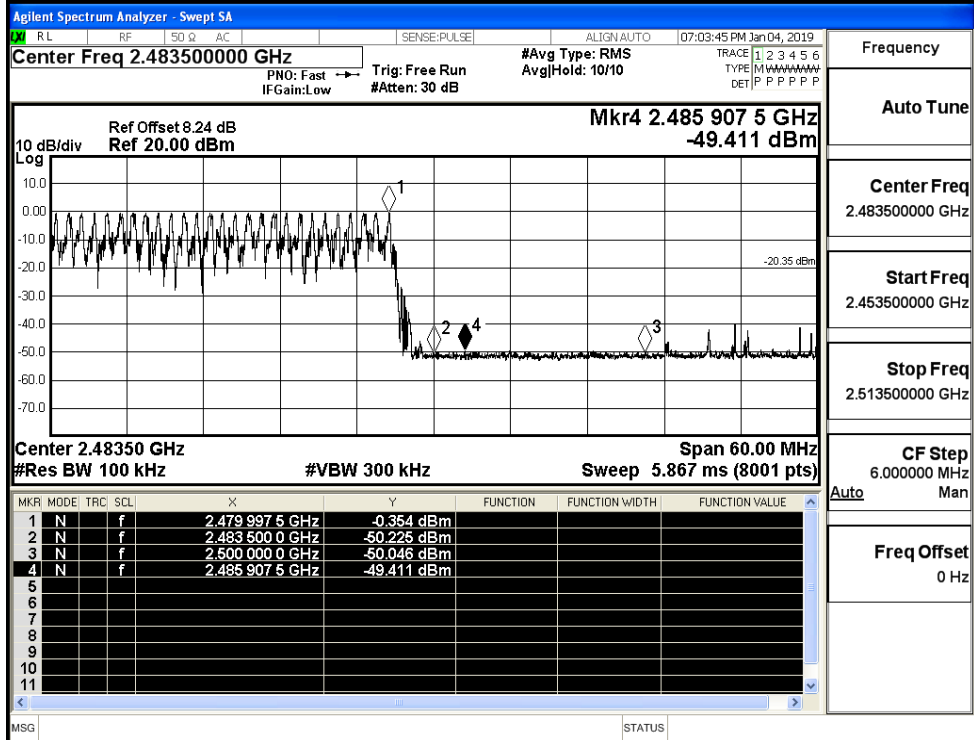


Frequency	2.400000000 GHz
Auto Tune	
Center Freq	2.400000000 GHz
Start Freq	2.370000000 GHz
Stop Freq	2.430000000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

8DPSK/HCH/No Hop



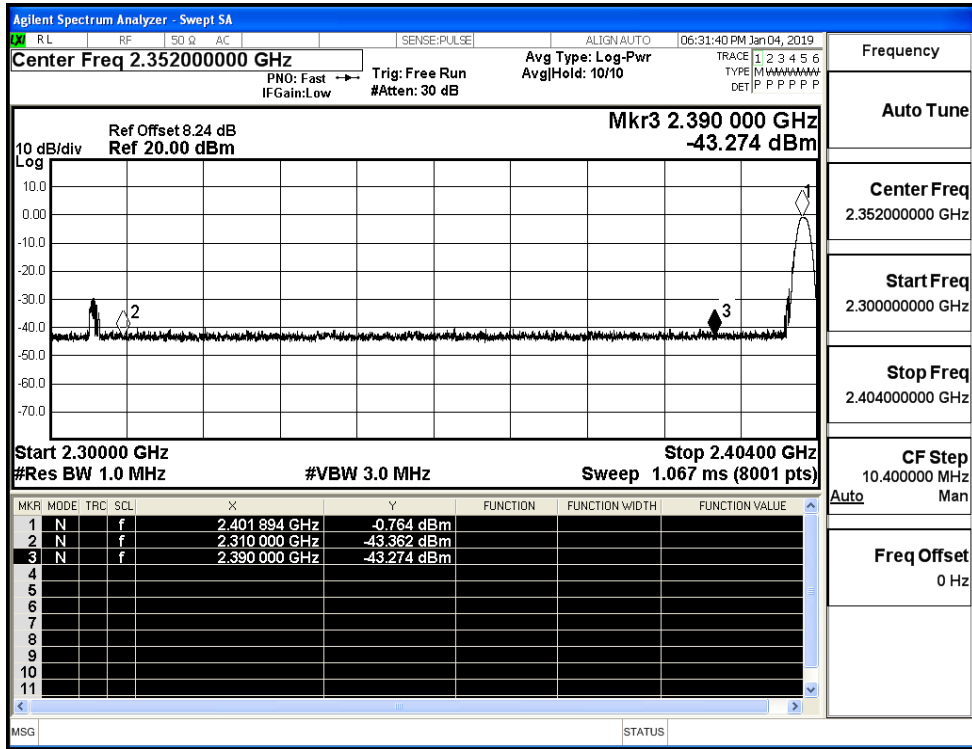
8DPSK/HCH/Hop



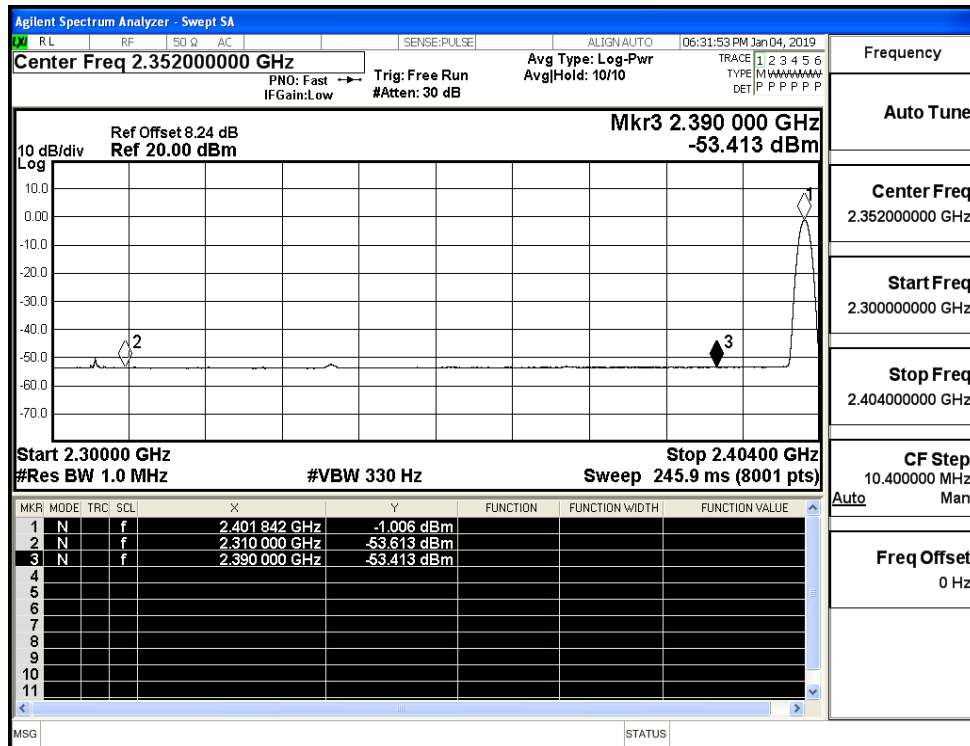
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-43.36	2.0	0	51.90	PEAK	74	PASS
	Off	2310.0	-53.61	2.0	0	41.64	AV	54	PASS
	Off	2390.0	-43.27	2.0	0	51.98	PEAK	74	PASS
	Off	2390.0	-53.41	2.0	0	41.84	AV	54	PASS
	Off	2483.5	-42.85	2.0	0	52.41	PEAK	74	PASS
	Off	2483.5	-53.13	2.0	0	42.13	AV	54	PASS
	Off	2500.0	-43.36	2.0	0	51.90	PEAK	74	PASS
	Off	2500.0	-53.04	2.0	0	42.22	AV	54	PASS
$\pi/4$ DQPSK	Off	2310.0	-43.65	2.0	0	51.60	PEAK	74	PASS
	Off	2310.0	-53.59	2.0	0	41.67	AV	54	PASS
	Off	2390.0	-42.71	2.0	0	52.55	PEAK	74	PASS
	Off	2390.0	-53.19	2.0	0	42.06	AV	54	PASS
	Off	2483.5	-43.39	2.0	0	51.87	PEAK	74	PASS
	Off	2483.5	-53.01	2.0	0	42.25	AV	54	PASS
	Off	2500.0	-42.81	2.0	0	52.45	PEAK	74	PASS
	Off	2500.0	-52.96	2.0	0	42.30	AV	54	PASS
8DPSK	Off	2310.0	-44.06	2.0	0	51.20	PEAK	74	PASS
	Off	2310.0	-53.43	2.0	0	41.83	AV	54	PASS
	Off	2390.0	-42.47	2.0	0	52.79	PEAK	74	PASS
	Off	2390.0	-53.39	2.0	0	41.87	AV	54	PASS
	Off	2483.5	-42.49	2.0	0	52.77	PEAK	74	PASS
	Off	2483.5	-52.94	2.0	0	42.32	AV	54	PASS
	Off	2500.0	-42.95	2.0	0	52.31	PEAK	74	PASS
	Off	2500.0	-52.93	2.0	0	42.33	AV	54	PASS

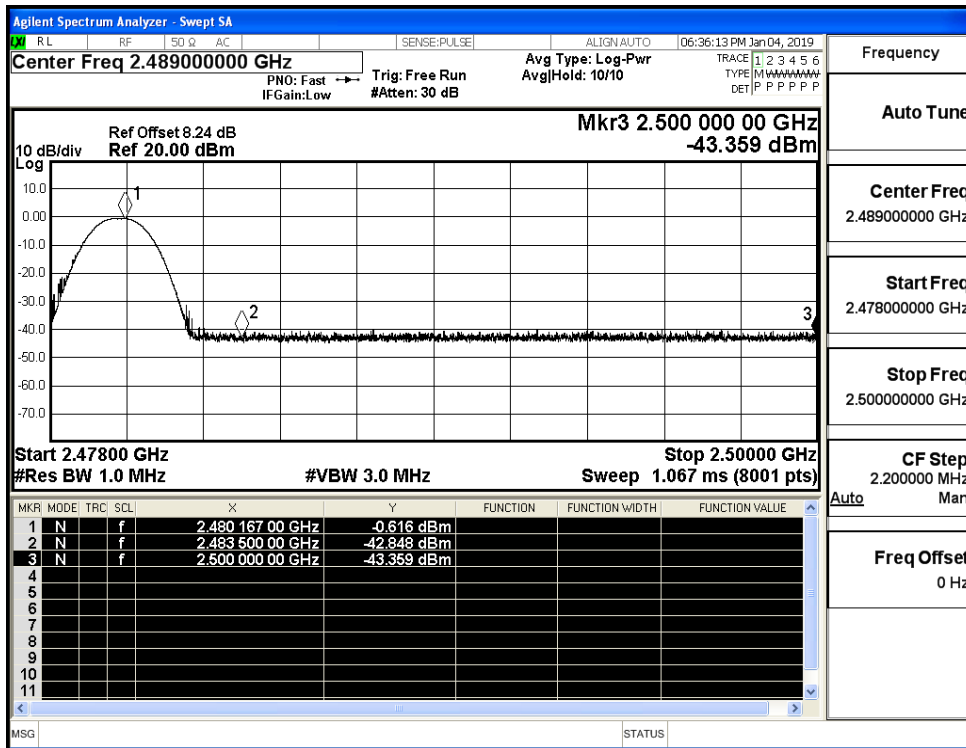
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (Low Channel)



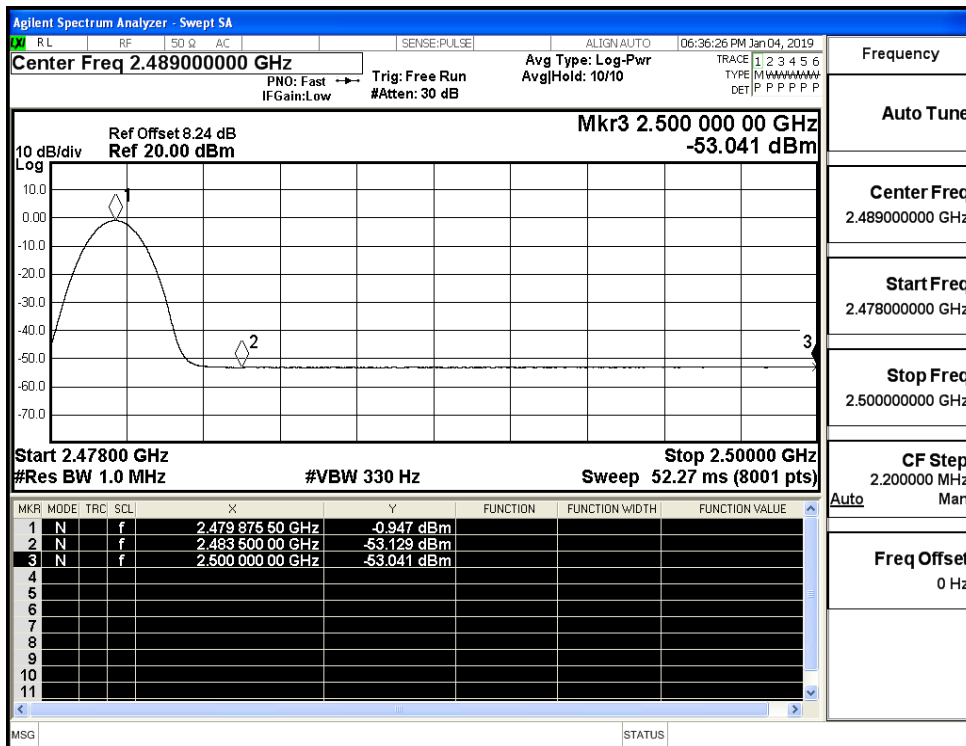
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (Low Channel)



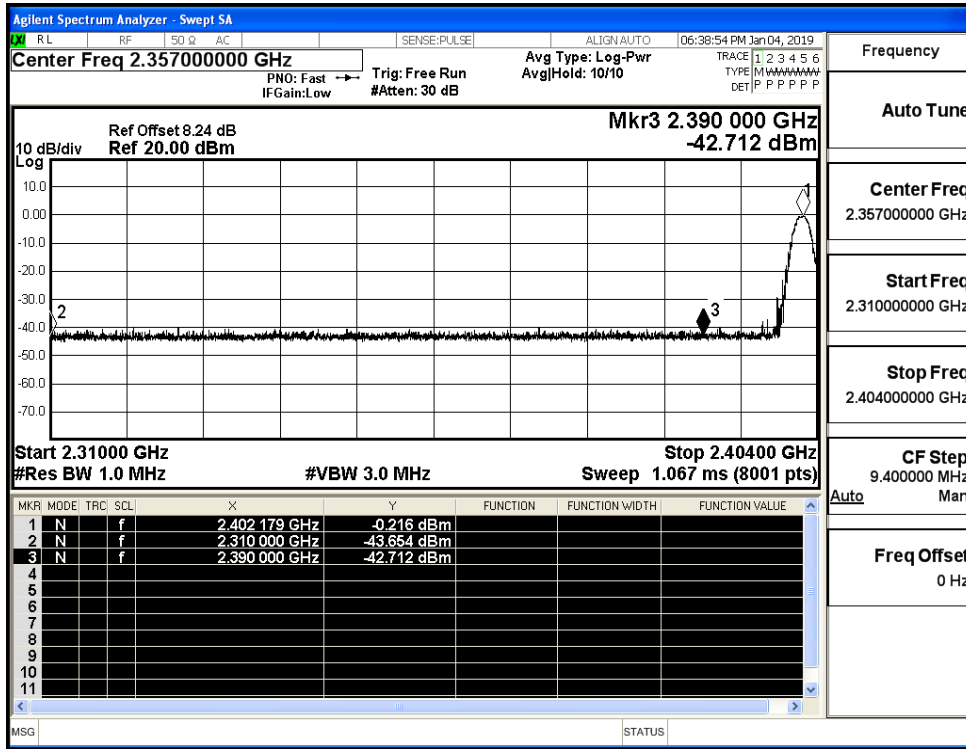
Restrict-band band-edge measurements_Hopping Off_GFSK_PEAK (High Channel)



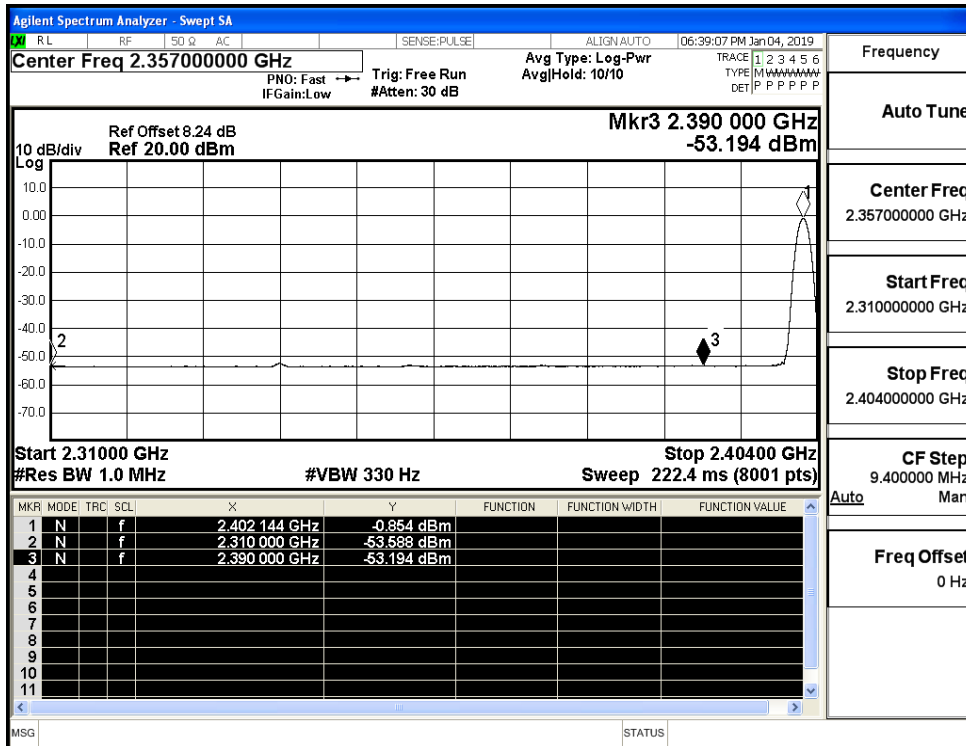
Restrict-band band-edge measurements_Hopping Off_GFSK_Average (High Channel)



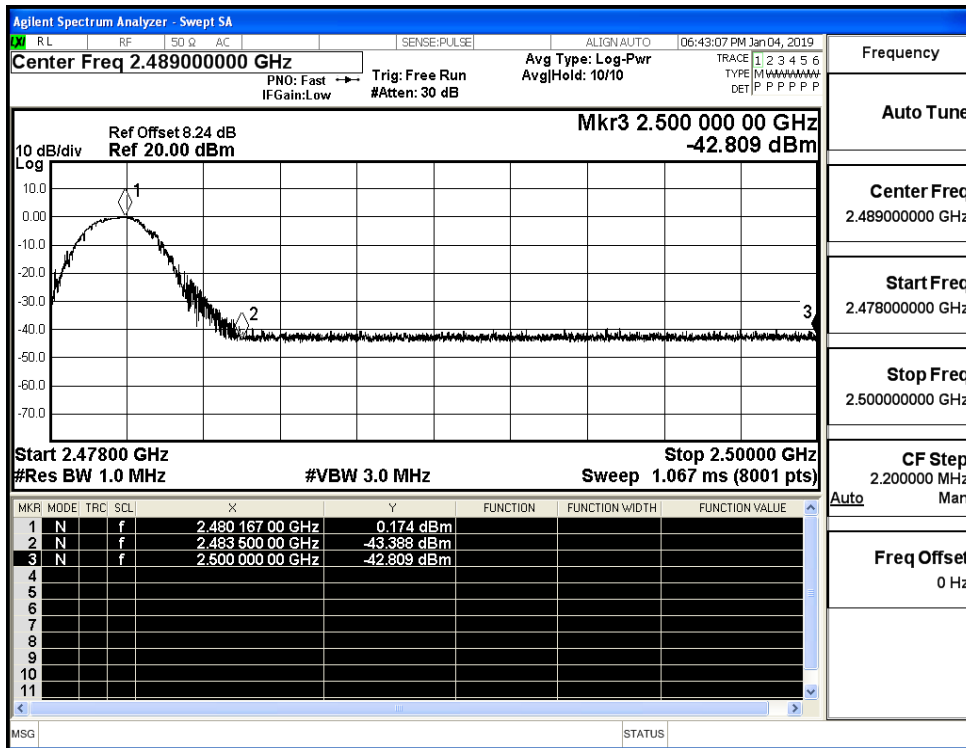
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_PEAK (Low Channel)



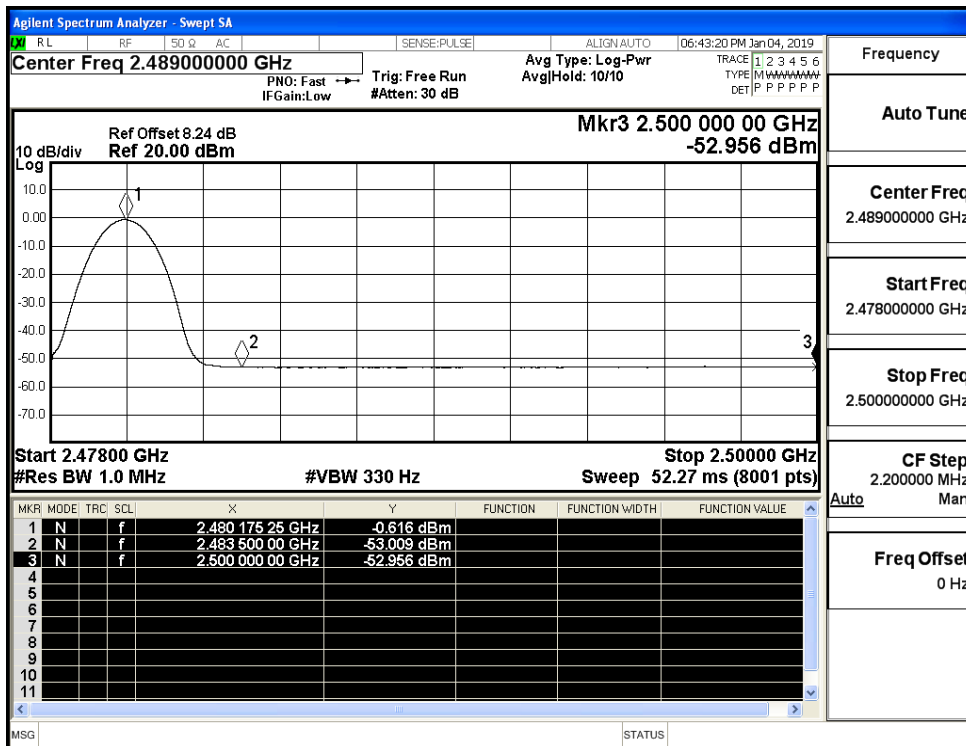
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_Average (Low Channel)



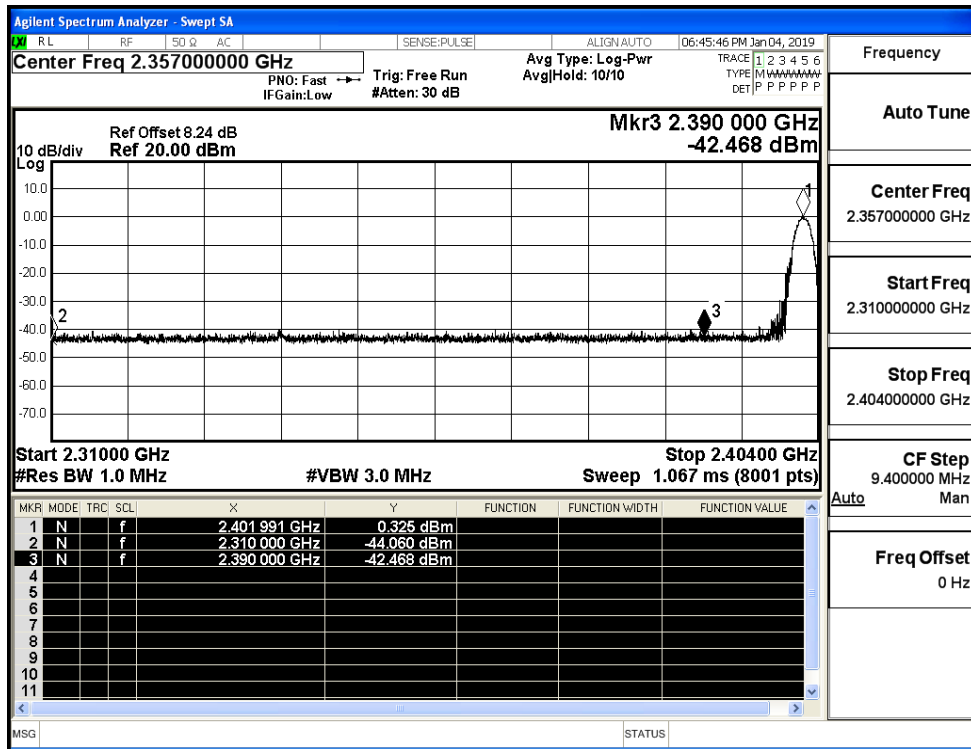
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_PEAK (High Channel)



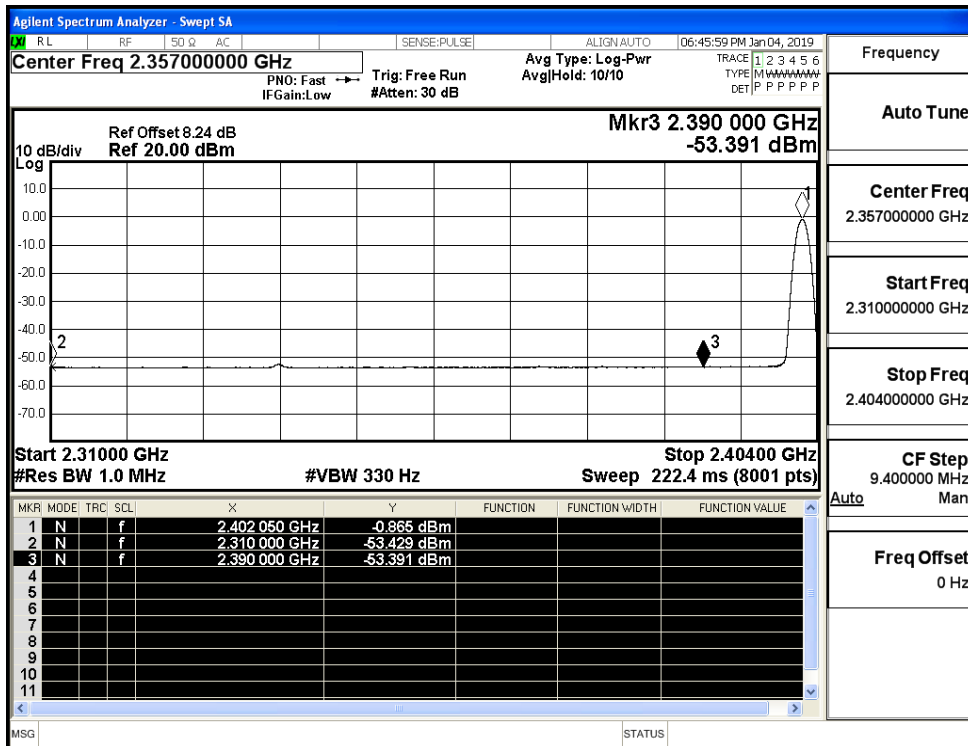
Restrict-band band-edge measurements_Hopping Off $\pi/4$ -DQPSK_Average (High Channel)



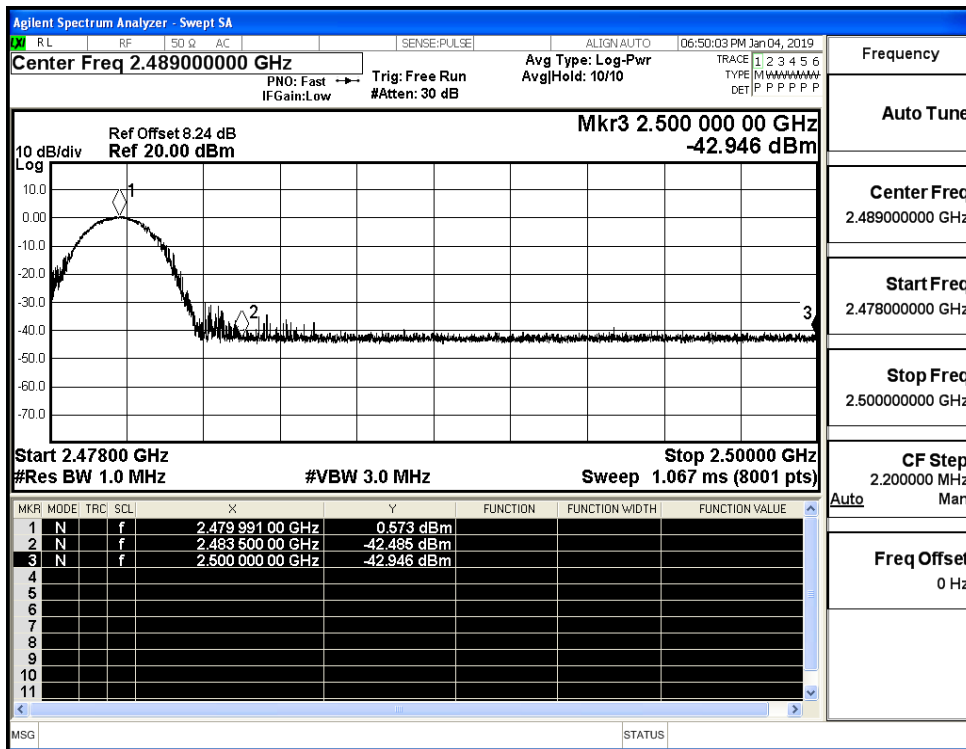
Restrict-band band-edge measurements_Hopping Off_8DPSK_PEAK (Low Channel)



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)

