

Environmental Conditions

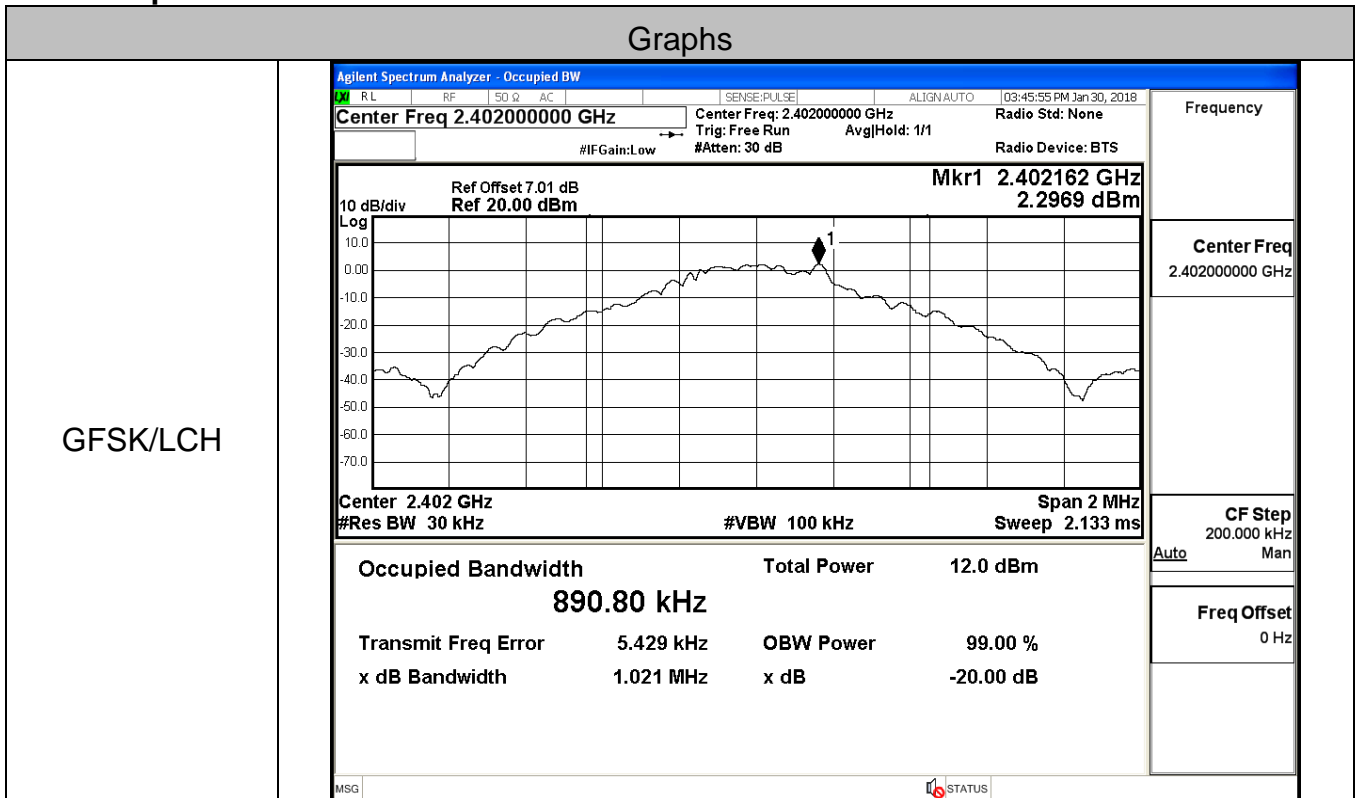
Temperature:	21.9 ° C
Relative Humidity:	51.2%
ATM Pressure:	100.0 kPa
Test Engineer:	Mina.xu
Supervised by:	Tom.Liu

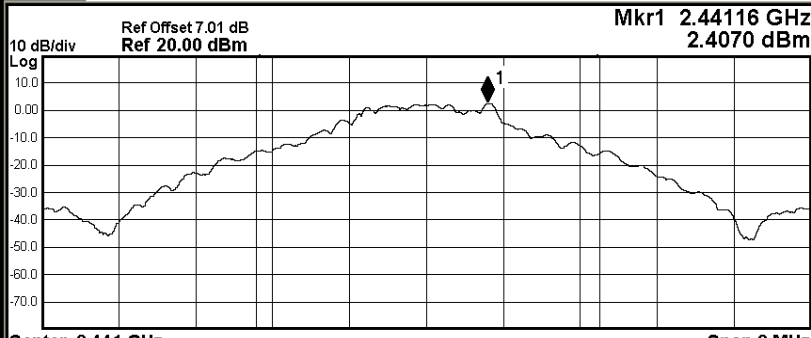
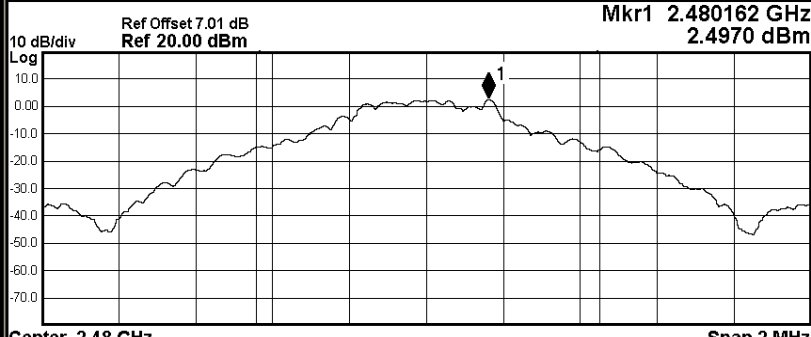
A.1 20 dB Bandwidth

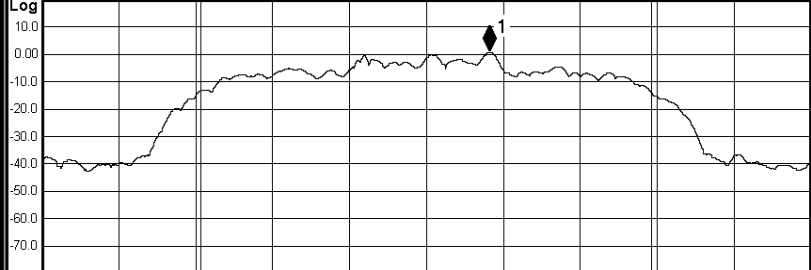
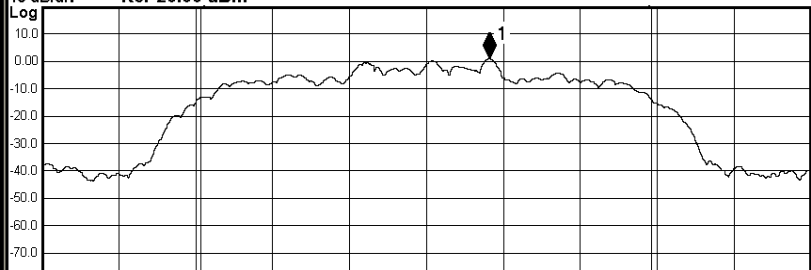
Test Result

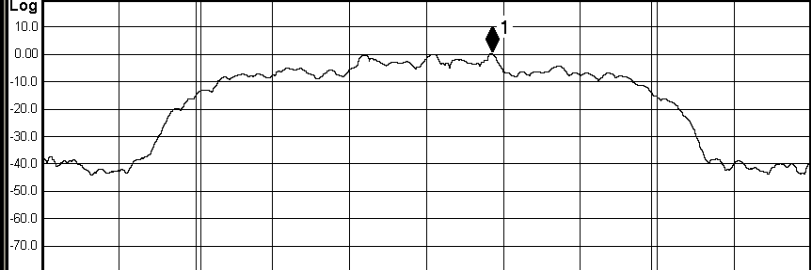
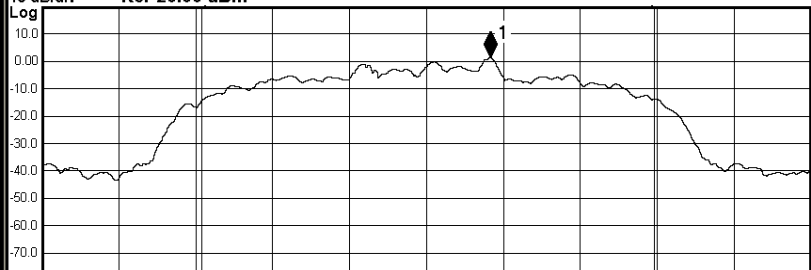
Mode	Channel.	20dB Bandwidth [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.021	Not Specified	PASS
GFSK	MCH	1.028	Not Specified	PASS
GFSK	HCH	0.9685	Not Specified	PASS
$\pi/4$ DQPSK	LCH	1.288	Not Specified	PASS
$\pi/4$ DQPSK	MCH	1.287	Not Specified	PASS
$\pi/4$ DQPSK	HCH	1.291	Not Specified	PASS
8DPSK	LCH	1.292	Not Specified	PASS
8DPSK	MCH	1.290	Not Specified	PASS
8DPSK	HCH	1.291	Not Specified	PASS

Test Graph



<p style="text-align: center;">GFSK/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.441000000 GHz Center Freq: 2.441000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.44116 GHz Ref 20.00 dBm 2.4070 dBm</p> <p>Center 2.441 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <table border="0"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>12.2 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">889.07 kHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>5.640 kHz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.028 MHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td>99.00 %</td> </tr> <tr> <td></td> <td></td> <td>-20.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	12.2 dBm	889.07 kHz			Transmit Freq Error	5.640 kHz	OBW Power	x dB Bandwidth	1.028 MHz	x dB			99.00 %			-20.00 dB	<p>Frequency</p> <p>Center Freq 2.441000000 GHz</p> <p>CF Step 200.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	Occupied Bandwidth	Total Power	12.2 dBm																	
889.07 kHz																				
Transmit Freq Error	5.640 kHz	OBW Power																		
x dB Bandwidth	1.028 MHz	x dB																		
		99.00 %																		
		-20.00 dB																		
<p style="text-align: center;">GFSK/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.480000000 GHz Center Freq: 2.480000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain: Low #Atten: 30 dB Radio Device: BTS</p>  <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.480162 GHz Ref 20.00 dBm 2.4970 dBm</p> <p>Center 2.48 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <table border="0"> <tr> <td>Occupied Bandwidth</td> <td>Total Power</td> <td>12.2 dBm</td> </tr> <tr> <td colspan="3" style="text-align: center;">888.25 kHz</td> </tr> <tr> <td>Transmit Freq Error</td> <td>5.272 kHz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>968.5 kHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td>99.00 %</td> </tr> <tr> <td></td> <td></td> <td>-20.00 dB</td> </tr> </table>	Occupied Bandwidth	Total Power	12.2 dBm	888.25 kHz			Transmit Freq Error	5.272 kHz	OBW Power	x dB Bandwidth	968.5 kHz	x dB			99.00 %			-20.00 dB	<p>Frequency</p> <p>Center Freq 2.480000000 GHz</p> <p>CF Step 200.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	Occupied Bandwidth	Total Power	12.2 dBm																	
888.25 kHz																				
Transmit Freq Error	5.272 kHz	OBW Power																		
x dB Bandwidth	968.5 kHz	x dB																		
		99.00 %																		
		-20.00 dB																		

<p style="text-align: center;">π/4DQPSK/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;">RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 03:52:18 PM Jan 30, 2018</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 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 7.01 dB Mkr1 2.402164 GHz Log Ref 20.00 dBm 0.72820 dBm</p>  <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%; font-size: x-small; border-collapse: collapse;"> <tr> <td style="width: 50%;">Occupied Bandwidth</td> <td style="width: 25%;">Total Power</td> <td style="width: 25%;">10.7 dBm</td> </tr> <tr> <td style="text-align: center;">1.1683 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>834 Hz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.288 MHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td>99.00 %</td> </tr> <tr> <td></td> <td></td> <td>-20.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0; text-align: right;">MSG STATUS</p> </div> </div>	Occupied Bandwidth	Total Power	10.7 dBm	1.1683 MHz			Transmit Freq Error	834 Hz	OBW Power	x dB Bandwidth	1.288 MHz	x dB			99.00 %			-20.00 dB	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 100%;">Frequency</td> </tr> <tr> <td style="text-align: center;">Center Freq 2.40200000 GHz</td> </tr> <tr> <td style="text-align: center;">CF Step 200.000 kHz <small>Auto Man</small></td> </tr> <tr> <td style="text-align: center;">Freq Offset 0 Hz</td> </tr> </table>	Frequency	Center Freq 2.40200000 GHz	CF Step 200.000 kHz <small>Auto Man</small>	Freq Offset 0 Hz
	Occupied Bandwidth	Total Power	10.7 dBm																					
1.1683 MHz																								
Transmit Freq Error	834 Hz	OBW Power																						
x dB Bandwidth	1.288 MHz	x dB																						
		99.00 %																						
		-20.00 dB																						
Frequency																								
Center Freq 2.40200000 GHz																								
CF Step 200.000 kHz <small>Auto Man</small>																								
Freq Offset 0 Hz																								
<p style="text-align: center;">π/4DQPSK/MCH</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;">RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 03:54:55 PM Jan 30, 2018</p> <p style="margin: 0;">Center Freq 2.44100000 GHz Center Freq: 2.44100000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 7.01 dB Mkr1 2.441164 GHz Log Ref 20.00 dBm 0.86581 dBm</p>  <p style="font-size: x-small; margin: 0;">Center 2.441 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <table style="width: 100%; font-size: x-small; border-collapse: collapse;"> <tr> <td style="width: 50%;">Occupied Bandwidth</td> <td style="width: 25%;">Total Power</td> <td style="width: 25%;">10.9 dBm</td> </tr> <tr> <td style="text-align: center;">1.1656 MHz</td> <td></td> <td></td> </tr> <tr> <td>Transmit Freq Error</td> <td>480 Hz</td> <td>OBW Power</td> </tr> <tr> <td>x dB Bandwidth</td> <td>1.287 MHz</td> <td>x dB</td> </tr> <tr> <td></td> <td></td> <td>99.00 %</td> </tr> <tr> <td></td> <td></td> <td>-20.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0; text-align: right;">MSG STATUS</p> </div> </div>	Occupied Bandwidth	Total Power	10.9 dBm	1.1656 MHz			Transmit Freq Error	480 Hz	OBW Power	x dB Bandwidth	1.287 MHz	x dB			99.00 %			-20.00 dB	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 100%;">Frequency</td> </tr> <tr> <td style="text-align: center;">Center Freq 2.44100000 GHz</td> </tr> <tr> <td style="text-align: center;">CF Step 200.000 kHz <small>Auto Man</small></td> </tr> <tr> <td style="text-align: center;">Freq Offset 0 Hz</td> </tr> </table>	Frequency	Center Freq 2.44100000 GHz	CF Step 200.000 kHz <small>Auto Man</small>	Freq Offset 0 Hz
Occupied Bandwidth	Total Power	10.9 dBm																						
1.1656 MHz																								
Transmit Freq Error	480 Hz	OBW Power																						
x dB Bandwidth	1.287 MHz	x dB																						
		99.00 %																						
		-20.00 dB																						
Frequency																								
Center Freq 2.44100000 GHz																								
CF Step 200.000 kHz <small>Auto Man</small>																								
Freq Offset 0 Hz																								

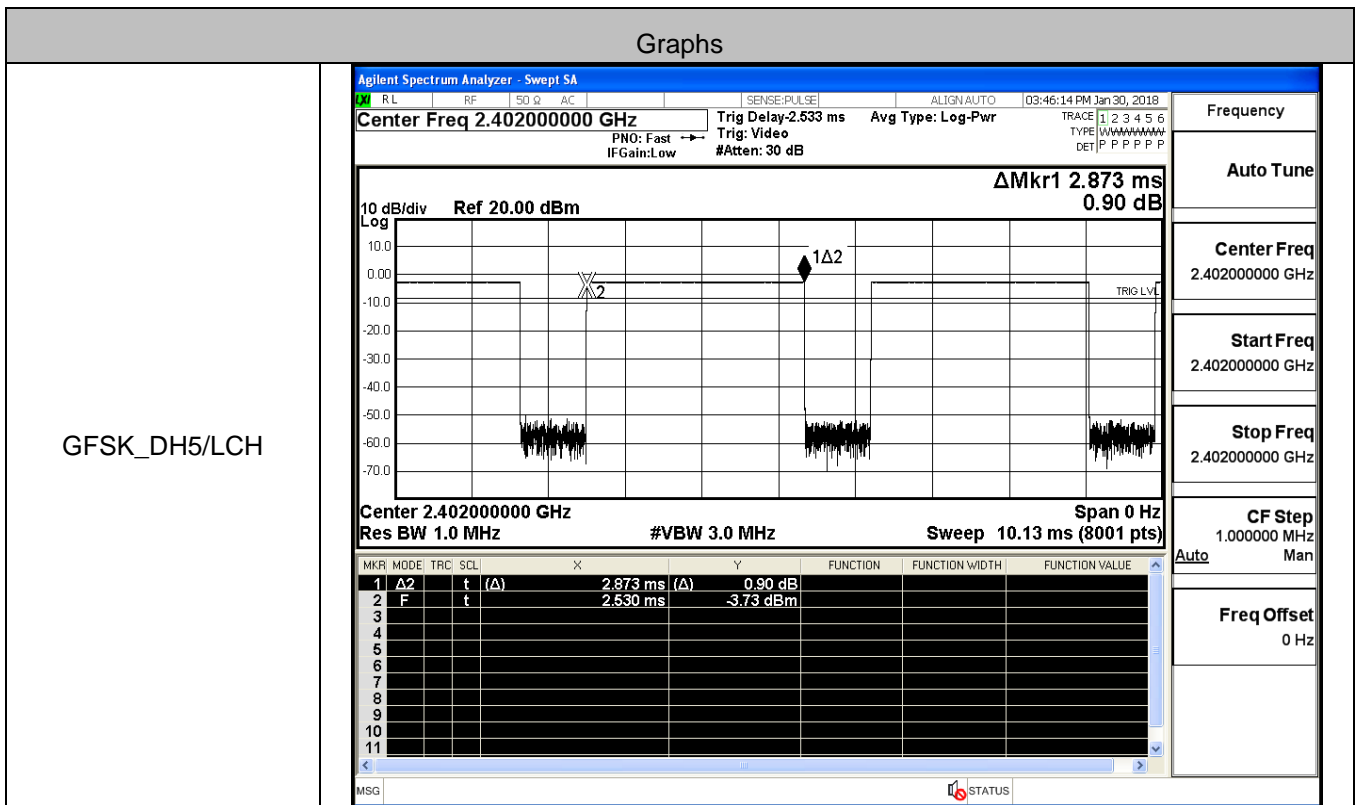
<p style="text-align: center;">π/4DQPSK/HCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Occupied BW</p> <p style="font-size: x-small; margin: 0;">RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO [03:56:31 PM Jan 30, 2018]</p> <p style="margin: 0;">Center Freq 2.48000000 GHz Center Freq: 2.480000000 GHz Radio Std: None</p> <p style="font-size: x-small; margin: 0;">Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 7.01 dB Mkr1 2.48017 GHz</p> <p style="font-size: x-small; margin: 0;">Log Ref 20.00 dBm 0.30137 dBm</p>  <p style="font-size: x-small; margin: 0;">Center 2.48 GHz Span 2 MHz</p> <p style="font-size: x-small; margin: 0;">#Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <table style="width: 100%; font-size: x-small; border-collapse: collapse;"> <tr> <td style="width: 50%;">Occupied Bandwidth</td> <td style="width: 50%;">Total Power</td> </tr> <tr> <td style="text-align: center;">1.1675 MHz</td> <td style="text-align: center;">10.7 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> </tr> <tr> <td style="text-align: center;">693 Hz</td> <td style="text-align: center;">99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> </tr> <tr> <td style="text-align: center;">1.291 MHz</td> <td style="text-align: center;">-20.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0; text-align: right;">MSG STATUS</p> </div> </div>	Occupied Bandwidth	Total Power	1.1675 MHz	10.7 dBm	Transmit Freq Error	OBW Power	693 Hz	99.00 %	x dB Bandwidth	x dB	1.291 MHz	-20.00 dB	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 100%;">Frequency</td> </tr> <tr> <td style="text-align: center;">Center Freq 2.48000000 GHz</td> </tr> <tr> <td style="text-align: center;">CF Step 200.000 kHz</td> </tr> <tr> <td style="text-align: center;">Auto Man</td> </tr> <tr> <td style="text-align: center;">Freq Offset 0 Hz</td> </tr> </table>	Frequency	Center Freq 2.48000000 GHz	CF Step 200.000 kHz	Auto Man	Freq Offset 0 Hz
	Occupied Bandwidth	Total Power																	
1.1675 MHz	10.7 dBm																		
Transmit Freq Error	OBW Power																		
693 Hz	99.00 %																		
x dB Bandwidth	x dB																		
1.291 MHz	-20.00 dB																		
Frequency																			
Center Freq 2.48000000 GHz																			
CF Step 200.000 kHz																			
Auto Man																			
Freq Offset 0 Hz																			
<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;">RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO [04:00:29 PM Jan 30, 2018]</p> <p style="margin: 0;">Center Freq 2.40200000 GHz Center Freq: 2.402000000 GHz Radio Std: None</p> <p style="font-size: x-small; margin: 0;">Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref Offset 7.01 dB Mkr1 2.402166 GHz</p> <p style="font-size: x-small; margin: 0;">Log Ref 20.00 dBm 1.3009 dBm</p>  <p style="font-size: x-small; margin: 0;">Center 2.402 GHz Span 2 MHz</p> <p style="font-size: x-small; margin: 0;">#Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <table style="width: 100%; font-size: x-small; border-collapse: collapse;"> <tr> <td style="width: 50%;">Occupied Bandwidth</td> <td style="width: 50%;">Total Power</td> </tr> <tr> <td style="text-align: center;">1.1725 MHz</td> <td style="text-align: center;">10.6 dBm</td> </tr> <tr> <td>Transmit Freq Error</td> <td>OBW Power</td> </tr> <tr> <td style="text-align: center;">4.423 kHz</td> <td style="text-align: center;">99.00 %</td> </tr> <tr> <td>x dB Bandwidth</td> <td>x dB</td> </tr> <tr> <td style="text-align: center;">1.292 MHz</td> <td style="text-align: center;">-20.00 dB</td> </tr> </table> <p style="font-size: x-small; margin: 0; text-align: right;">MSG STATUS</p> </div> </div>	Occupied Bandwidth	Total Power	1.1725 MHz	10.6 dBm	Transmit Freq Error	OBW Power	4.423 kHz	99.00 %	x dB Bandwidth	x dB	1.292 MHz	-20.00 dB	<table border="1" style="width: 100%; border-collapse: collapse; font-size: x-small;"> <tr> <td style="width: 100%;">Frequency</td> </tr> <tr> <td style="text-align: center;">Center Freq 2.40200000 GHz</td> </tr> <tr> <td style="text-align: center;">CF Step 200.000 kHz</td> </tr> <tr> <td style="text-align: center;">Auto Man</td> </tr> <tr> <td style="text-align: center;">Freq Offset 0 Hz</td> </tr> </table>	Frequency	Center Freq 2.40200000 GHz	CF Step 200.000 kHz	Auto Man	Freq Offset 0 Hz
Occupied Bandwidth	Total Power																		
1.1725 MHz	10.6 dBm																		
Transmit Freq Error	OBW Power																		
4.423 kHz	99.00 %																		
x dB Bandwidth	x dB																		
1.292 MHz	-20.00 dB																		
Frequency																			
Center Freq 2.40200000 GHz																			
CF Step 200.000 kHz																			
Auto Man																			
Freq Offset 0 Hz																			

<p>8DPSK/MCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.441000000 GHz Center Freq: 2.441000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.441164 GHz Ref 20.00 dB 1.6102 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 1.1716 MHz Total Power 10.8 dBm</p> <p>Transmit Freq Error 4.470 kHz OBW Power 99.00 % x dB Bandwidth 1.290 MHz x dB -20.00 dB</p> <p>MSG STATUS</p>
	<p>Frequency</p> <p>Center Freq 2.441000000 GHz</p> <p>CF Step 200.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>
<p>8DPSK/HCH</p>	<p>Agilent Spectrum Analyzer - Occupied BW</p> <p>Center Freq 2.480000000 GHz Center Freq: 2.480000000 GHz Radio Std: None Trig: Free Run Avg Hold: 1/1 #IFGain:Low #Atten: 30 dB Radio Device: BTS</p> <p>10 dB/div Ref Offset 7.01 dB Mkr1 2.48016 GHz Ref 20.00 dB 1.4407 dBm</p> <p>Center 2.48 GHz Span 2 MHz #Res BW 30 kHz #VBW 100 kHz Sweep 2.133 ms</p> <p>Occupied Bandwidth 1.1736 MHz Total Power 10.7 dBm</p> <p>Transmit Freq Error 4.644 kHz OBW Power 99.00 % x dB Bandwidth 1.291 MHz x dB -20.00 dB</p> <p>MSG STATUS</p>
	<p>Frequency</p> <p>Center Freq 2.480000000 GHz</p> <p>CF Step 200.000 kHz Auto Man</p> <p>Freq Offset 0 Hz</p>

A.2 Dwell Time Result Table

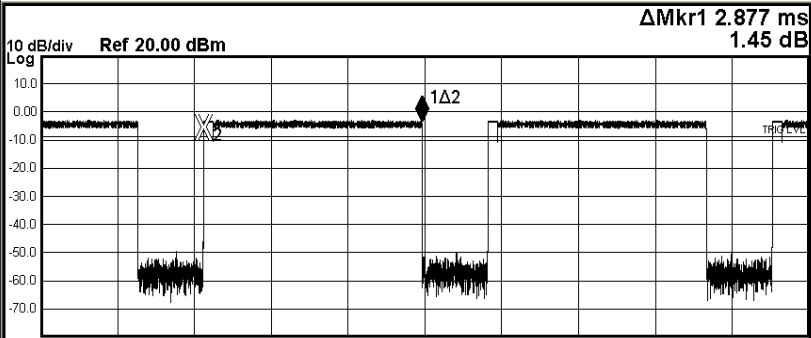
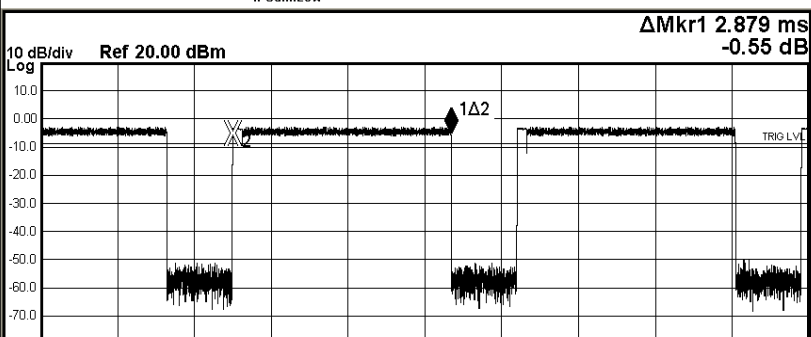
Mode	Packet	Channel	Burst Width [ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit [s]	Verdict
GFSK	DH5	LCH	2.87	106.7	0.306	0.4	PASS
GFSK	DH5	MCH	2.87	106.7	0.306	0.4	PASS
GFSK	DH5	HCH	2.87	106.7	0.306	0.4	PASS
$\pi/4$ DQPSK	2DH5	LCH	2.87	106.7	0.307	0.4	PASS
$\pi/4$ DQPSK	2DH5	MCH	2.87	106.7	0.307	0.4	PASS
$\pi/4$ DQPSK	2DH5	HCH	2.87	106.7	0.307	0.4	PASS
8DPSK	3DH5	LCH	2.87	106.7	0.307	0.4	PASS
8DPSK	3DH5	MCH	2.87	106.7	0.307	0.4	PASS
8DPSK	3DH5	HCH	2.87	106.7	0.307	0.4	PASS

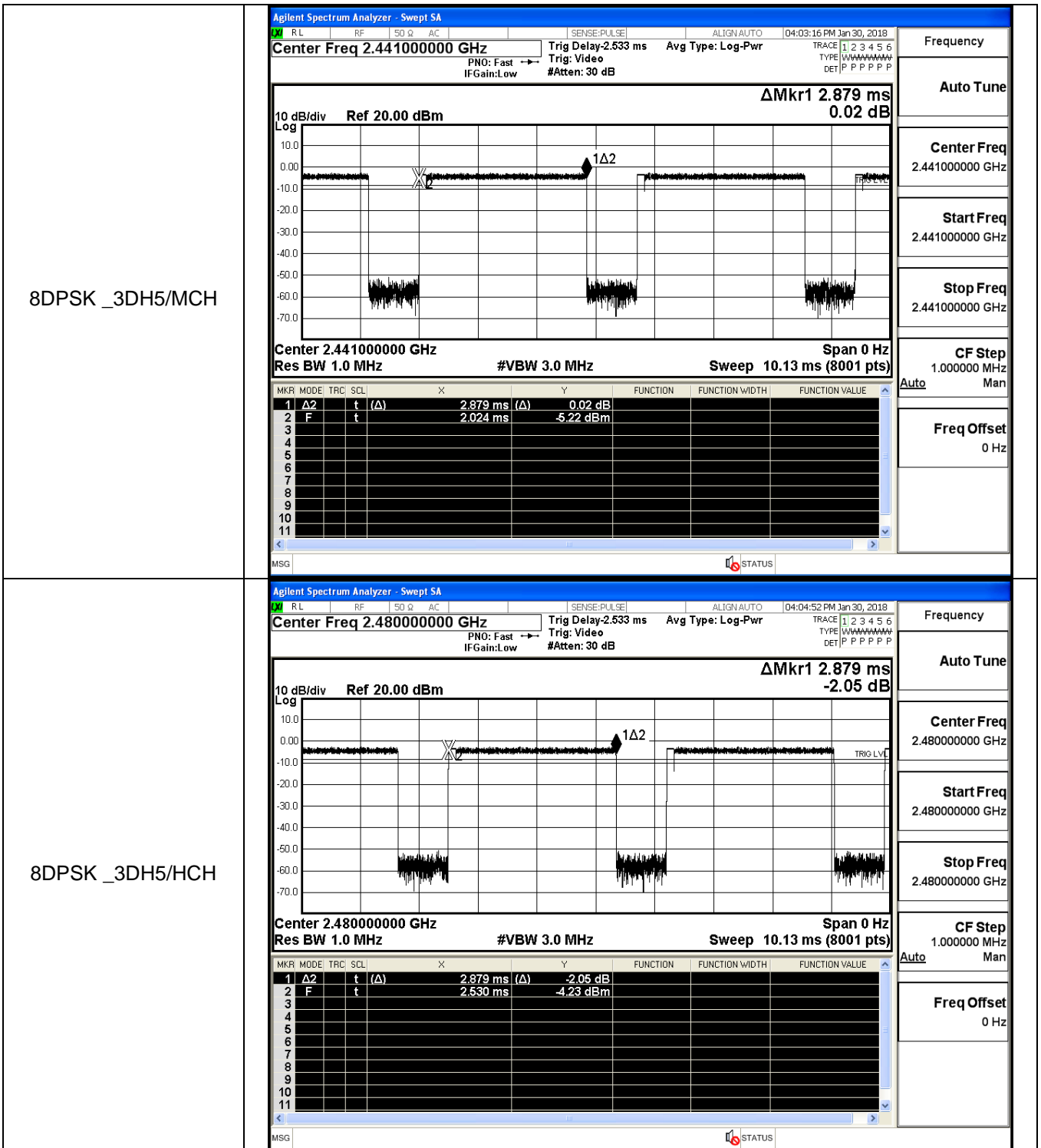
Test Graph



<p>GFSK_DH5/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.441000000 GHz</p> <p>Trig Delay-2.533 ms Avg Type: Log-Pwr</p> <p>Trig: Video #Atten: 30 dB</p> <p>10 dB/div Ref 20.00 dBm</p> <p>ΔMkr1 2.874 ms 0.71 dB</p> <p>Center 2.441000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts) Span 0 Hz</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>Δ2</td> <td>t</td> <td>(Δ)</td> <td>2.874 ms</td> <td>(Δ)</td> <td>0.71 dB</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>(Δ)</td> <td>2.530 ms</td> <td></td> <td>-4.98 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ2	t	(Δ)	2.874 ms	(Δ)	0.71 dB			2	F	t	(Δ)	2.530 ms		-4.98 dBm			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.441000000 GHz</p> <p>Start Freq 2.441000000 GHz</p> <p>Stop Freq 2.441000000 GHz</p> <p>CF Step 1.000000 MHz</p> <p>Freq Offset 0 Hz</p>
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																				
1	Δ2	t	(Δ)	2.874 ms	(Δ)	0.71 dB																							
2	F	t	(Δ)	2.530 ms		-4.98 dBm																							
<p>GFSK_DH5/HCH</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.480000000 GHz</p> <p>Trig Delay-2.533 ms Avg Type: Log-Pwr</p> <p>Trig: Video #Atten: 30 dB</p> <p>10 dB/div Ref 20.00 dBm</p> <p>ΔMkr1 2.873 ms -0.33 dB</p> <p>Center 2.480000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts) Span 0 Hz</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>Δ2</td> <td>t</td> <td>(Δ)</td> <td>2.873 ms</td> <td>(Δ)</td> <td>-0.33 dB</td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>(Δ)</td> <td>2.531 ms</td> <td></td> <td>-2.80 dBm</td> <td></td> <td></td> </tr> </tbody> </table>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ2	t	(Δ)	2.873 ms	(Δ)	-0.33 dB			2	F	t	(Δ)	2.531 ms		-2.80 dBm			<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.480000000 GHz</p> <p>Start Freq 2.480000000 GHz</p> <p>Stop Freq 2.480000000 GHz</p> <p>CF Step 1.000000 MHz</p> <p>Freq Offset 0 Hz</p>
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																					
1	Δ2	t	(Δ)	2.873 ms	(Δ)	-0.33 dB																							
2	F	t	(Δ)	2.531 ms		-2.80 dBm																							

<p style="text-align: center;">π/4DQPSK _2DH5/LCH</p>	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.402000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts) ΔMkr1 2.877 ms 0.41 dB Ref 20.00 dBm 10 dB/div Log MKR MODE: TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 Δ2 t (Δ) 2.877 ms (Δ) 0.41 dB 2 F t (Δ) 276.1 μs -4.93 dBm</p>	<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.402000000 GHz</p> <p>Start Freq 2.402000000 GHz</p> <p>Stop Freq 2.402000000 GHz</p> <p>CF Step 1.000000 MHz Auto Man</p> <p>Freq Offset 0 Hz</p>
	<p style="text-align: center;">π/4DQPSK _2DH5/MCH</p>	<p>Agilent Spectrum Analyzer - Swept SA Center Freq 2.441000000 GHz Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts) ΔMkr1 2.877 ms -0.86 dB Ref 20.00 dBm 10 dB/div Log MKR MODE: TRC SCL X Y FUNCTION FUNCTION WIDTH FUNCTION VALUE 1 Δ2 t (Δ) 2.877 ms (Δ) -0.86 dB 2 F t (Δ) 1.065 ms -4.20 dBm</p>

<p>$\pi/4$DQPSK _2DH5/HCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Swept SA</p> <p style="font-size: x-small; margin: 0;">RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 03:56:50 PM Jan 30, 2018</p> <p style="font-size: small; margin: 0;">Center Freq 2.480000000 GHz Trig Delay: 2.533 ms Avg Type: Log-Pwr TRACE 1 2 3 4 5 6</p> <p style="font-size: x-small; margin: 0;">PNO: Fast Trig: Video TYPE: WWWWWWWW</p> <p style="font-size: x-small; margin: 0;">IFGain: Low #Atten: 30 dB DET: P P P P P P</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref 20.00 dBm ΔMkr1 2.977 ms</p> <p style="font-size: x-small; margin: 0;">Log 1.45 dB</p>  <p style="font-size: x-small; margin: 0;">Center 2.480000000 GHz Span 0 Hz</p> <p style="font-size: x-small; margin: 0;">Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts)</p> <table border="1" style="width: 100%; font-size: x-small; 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>t</td> <td>(Δ)</td> <td></td> <td>2.977 ms (Δ)</td> <td></td> <td></td> <td>1.45 dB</td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>(Δ)</td> <td></td> <td>2.147 ms</td> <td></td> <td></td> <td>-5.36 dBm</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> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div> </div>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	t	(Δ)		2.977 ms (Δ)			1.45 dB	2	F	t	(Δ)		2.147 ms			-5.36 dBm	3									4									5									6									7									8									9									10									11									<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.480000000 GHz</p> <p>Start Freq 2.480000000 GHz</p> <p>Stop Freq 2.480000000 GHz</p> <p>CF Step 1.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																						
1	Δ 2	t	(Δ)		2.977 ms (Δ)			1.45 dB																																																																																																						
2	F	t	(Δ)		2.147 ms			-5.36 dBm																																																																																																						
3																																																																																																														
4																																																																																																														
5																																																																																																														
6																																																																																																														
7																																																																																																														
8																																																																																																														
9																																																																																																														
10																																																																																																														
11																																																																																																														
<p>8DPSK_3DH5/LCH</p>	<div style="border: 1px solid black; padding: 5px;"> <p style="font-size: small; margin: 0;">Agilent Spectrum Analyzer - Swept SA</p> <p style="font-size: x-small; margin: 0;">RL RF 50 Ω AC SENSE: PULSE ALIGN: AUTO 04:00:48 PM Jan 30, 2018</p> <p style="font-size: small; margin: 0;">Center Freq 2.402000000 GHz Trig Delay: 2.533 ms Avg Type: Log-Pwr TRACE 1 2 3 4 5 6</p> <p style="font-size: x-small; margin: 0;">PNO: Fast Trig: Video TYPE: WWWWWWWW</p> <p style="font-size: x-small; margin: 0;">IFGain: Low #Atten: 30 dB DET: P P P P P P</p> <div style="border: 1px solid black; padding: 2px;"> <p style="font-size: x-small; margin: 0;">10 dB/div Ref 20.00 dBm ΔMkr1 2.879 ms</p> <p style="font-size: x-small; margin: 0;">Log -0.55 dB</p>  <p style="font-size: x-small; margin: 0;">Center 2.402000000 GHz Span 0 Hz</p> <p style="font-size: x-small; margin: 0;">Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts)</p> <table border="1" style="width: 100%; font-size: x-small; 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>t</td> <td>(Δ)</td> <td></td> <td>2.879 ms (Δ)</td> <td></td> <td></td> <td>-0.55 dB</td> </tr> <tr> <td>2</td> <td>F</td> <td>t</td> <td>(Δ)</td> <td></td> <td>2.530 ms</td> <td></td> <td></td> <td>-5.05 dBm</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> <p style="font-size: x-small; margin: 0;">MSG STATUS</p> </div> </div>	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE	1	Δ 2	t	(Δ)		2.879 ms (Δ)			-0.55 dB	2	F	t	(Δ)		2.530 ms			-5.05 dBm	3									4									5									6									7									8									9									10									11									<p>Frequency</p> <p>Auto Tune</p> <p>Center Freq 2.402000000 GHz</p> <p>Start Freq 2.402000000 GHz</p> <p>Stop Freq 2.402000000 GHz</p> <p>CF Step 1.000000 MHz</p> <p>Auto Man</p> <p>Freq Offset 0 Hz</p>
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																																																																																						
1	Δ 2	t	(Δ)		2.879 ms (Δ)			-0.55 dB																																																																																																						
2	F	t	(Δ)		2.530 ms			-5.05 dBm																																																																																																						
3																																																																																																														
4																																																																																																														
5																																																																																																														
6																																																																																																														
7																																																																																																														
8																																																																																																														
9																																																																																																														
10																																																																																																														
11																																																																																																														

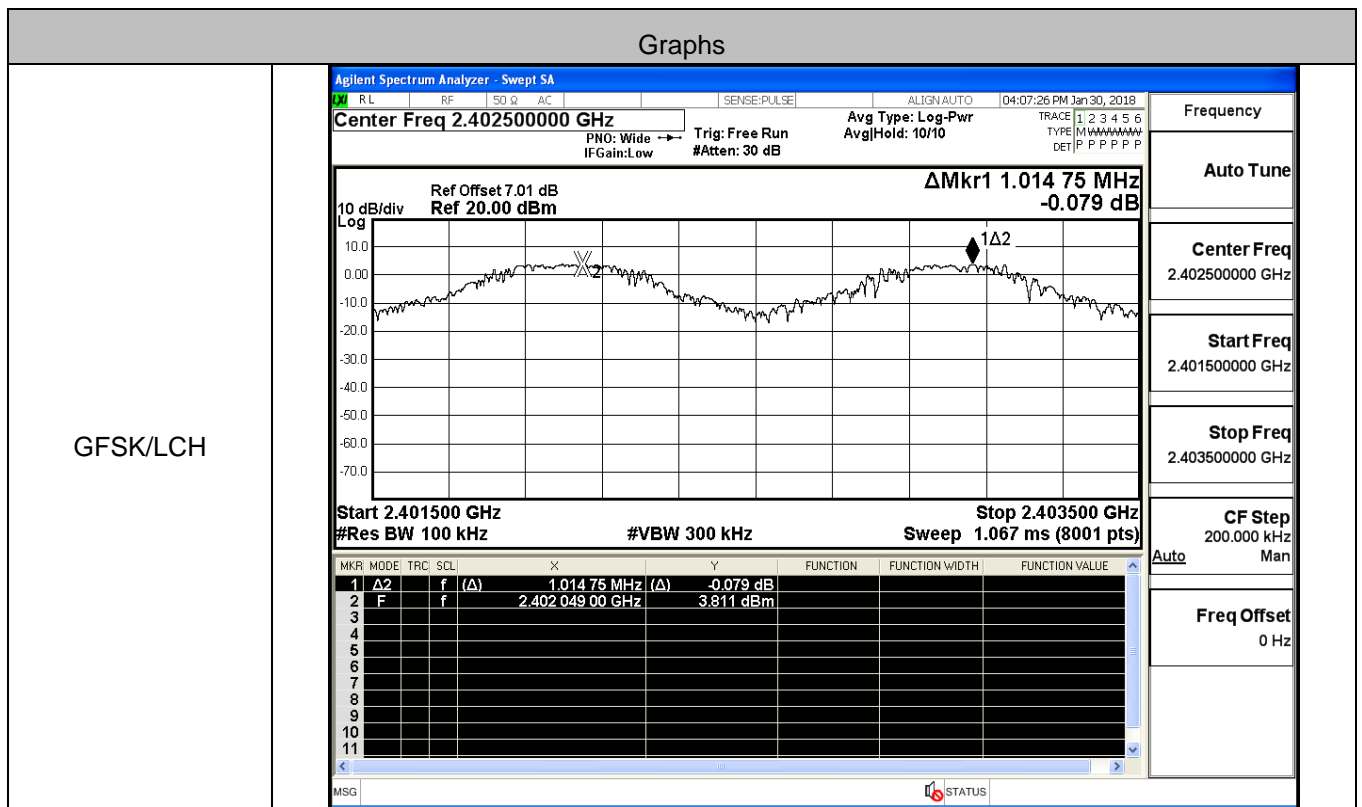


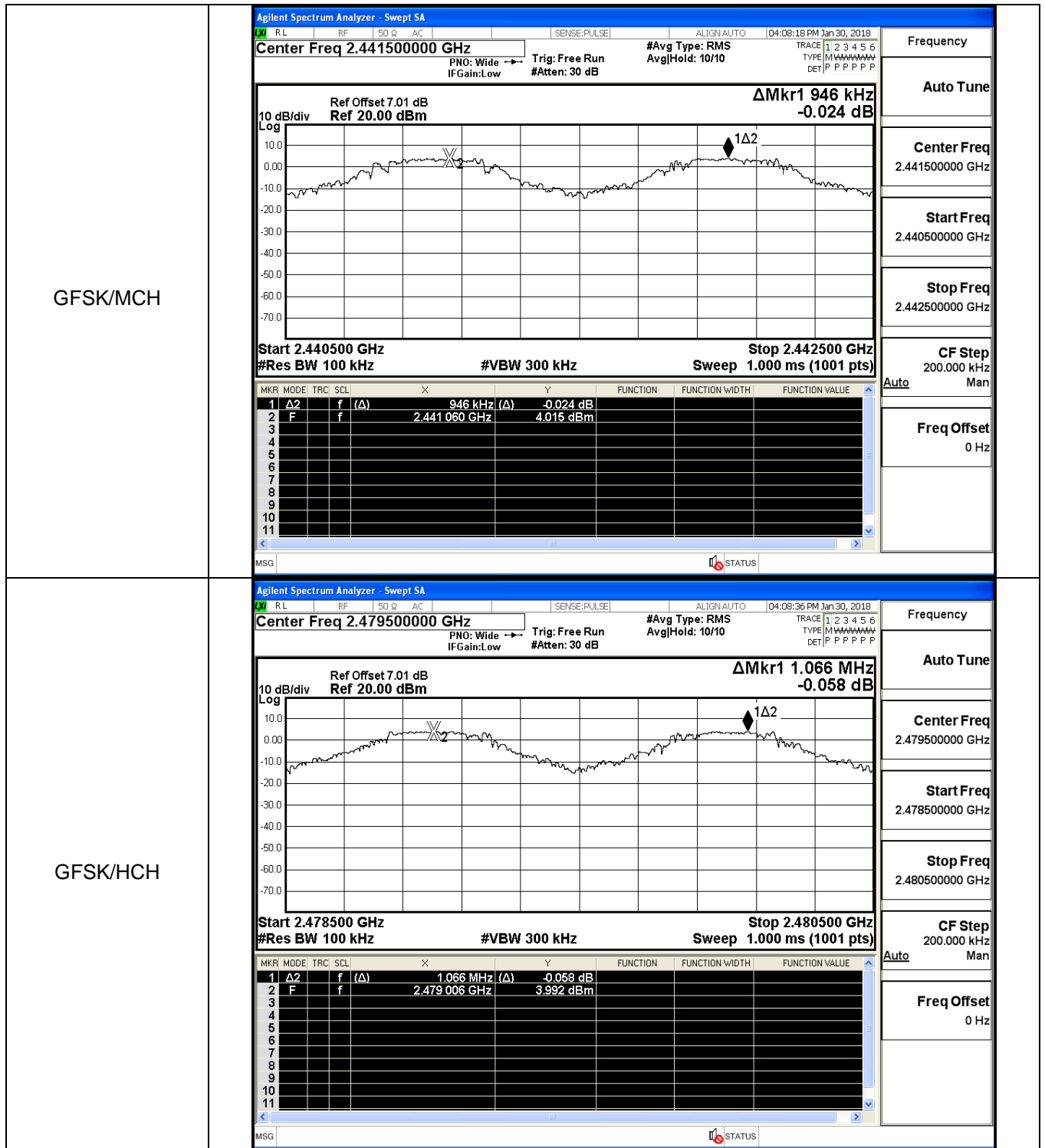
A.3 Carrier Frequency Separation

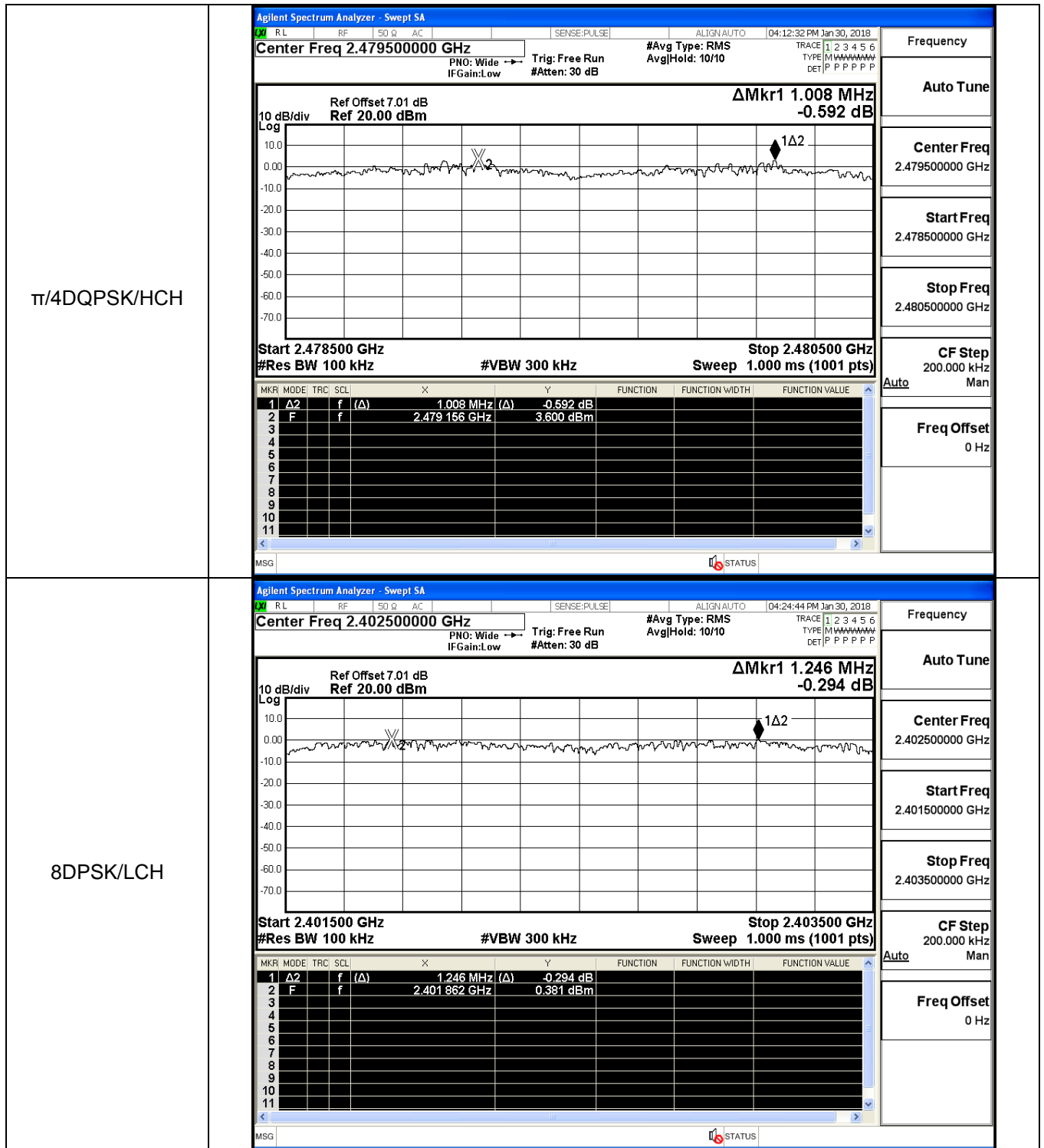
Result Table

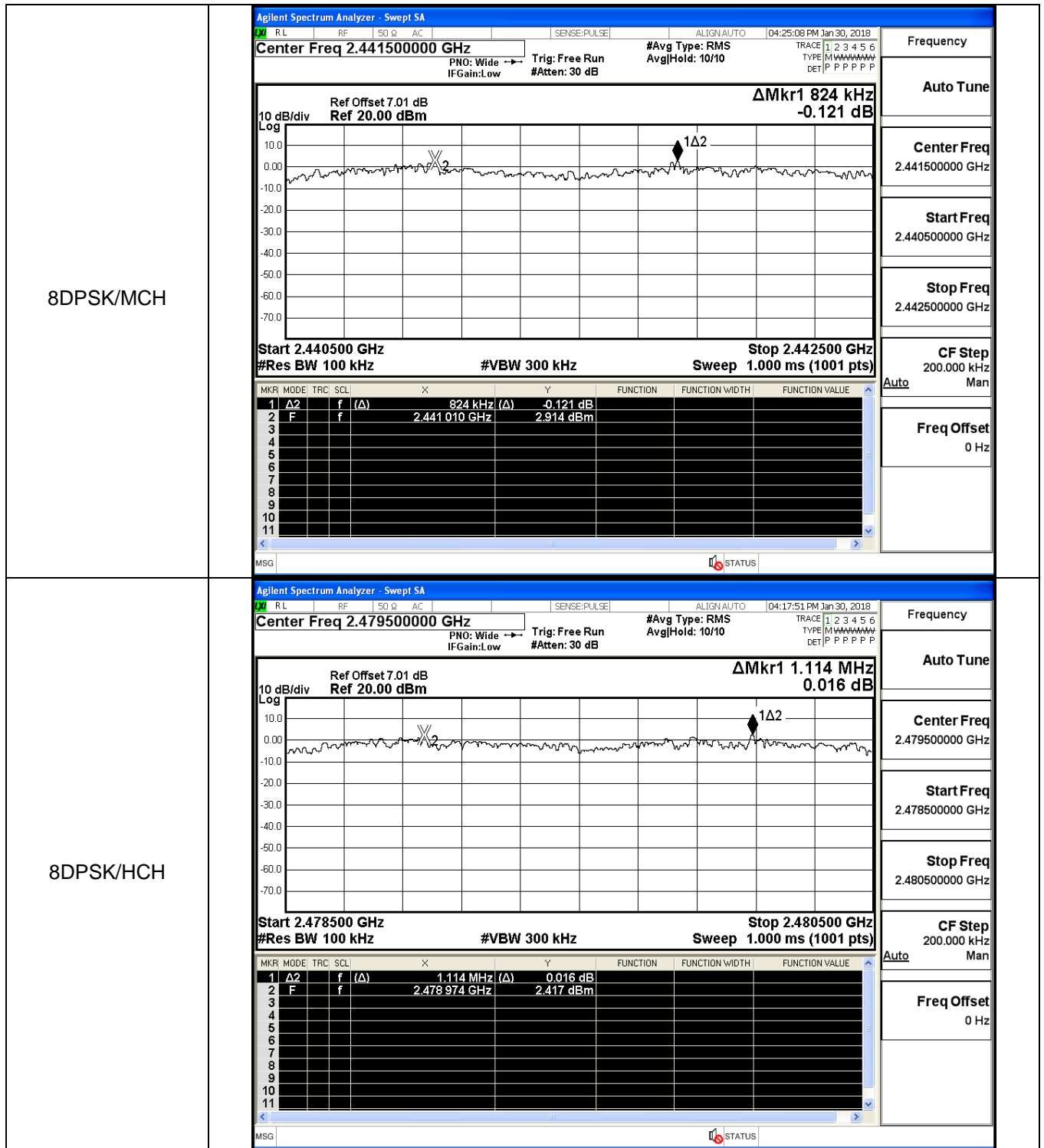
Mode	Channel.	Carrier Frequency Separation [MHz]	Limit [MHz]	Verdict
GFSK	LCH	1.015	0.6807	PASS
GFSK	MCH	0.946	0.6853	PASS
GFSK	HCH	1.066	0.9685	PASS
$\pi/4$ DQPSK	LCH	1.012	0.8587	PASS
$\pi/4$ DQPSK	MCH	1.014	0.8580	PASS
$\pi/4$ DQPSK	HCH	1.008	0.8607	PASS
8DPSK	LCH	1.246	0.8613	PASS
8DPSK	MCH	0.824	0.8600	PASS
8DPSK	HCH	1.114	0.8607	PASS

Test Graph





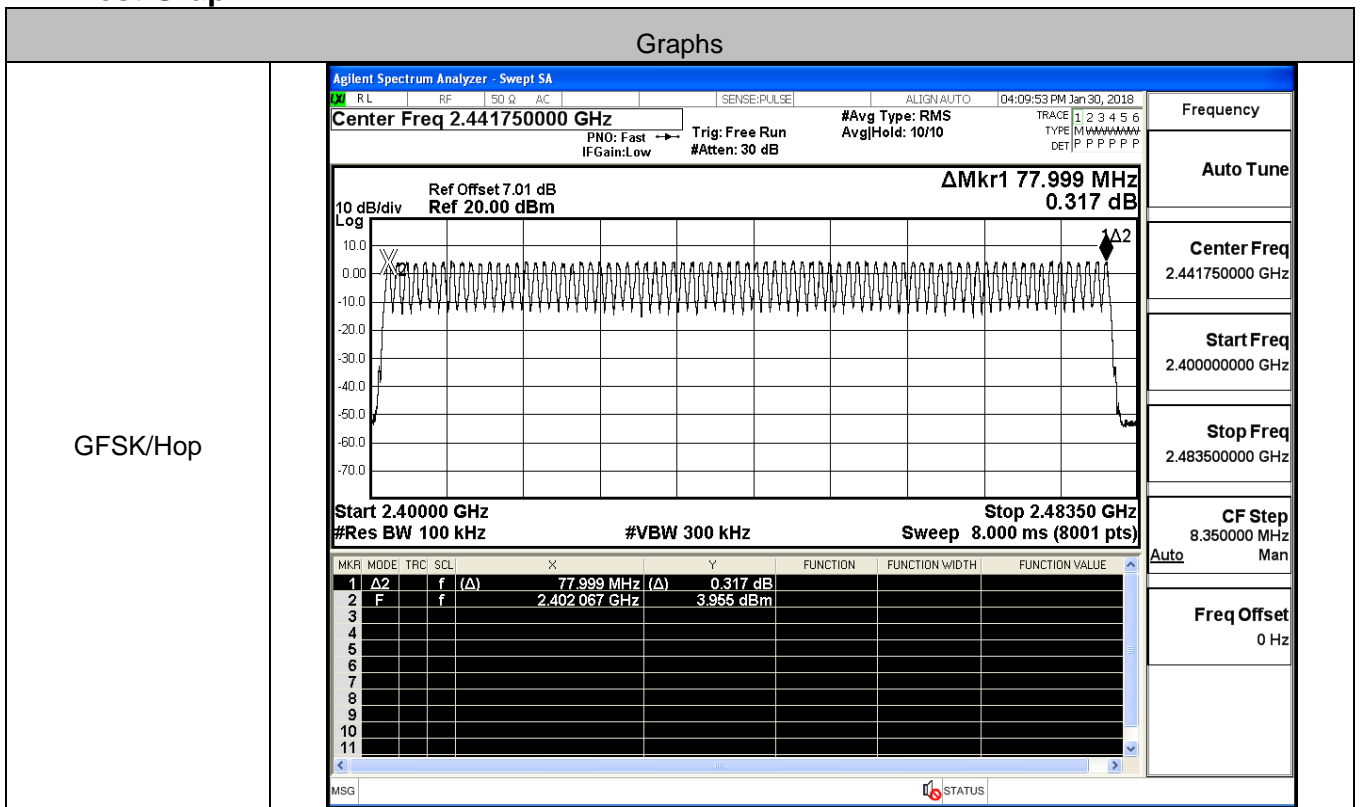


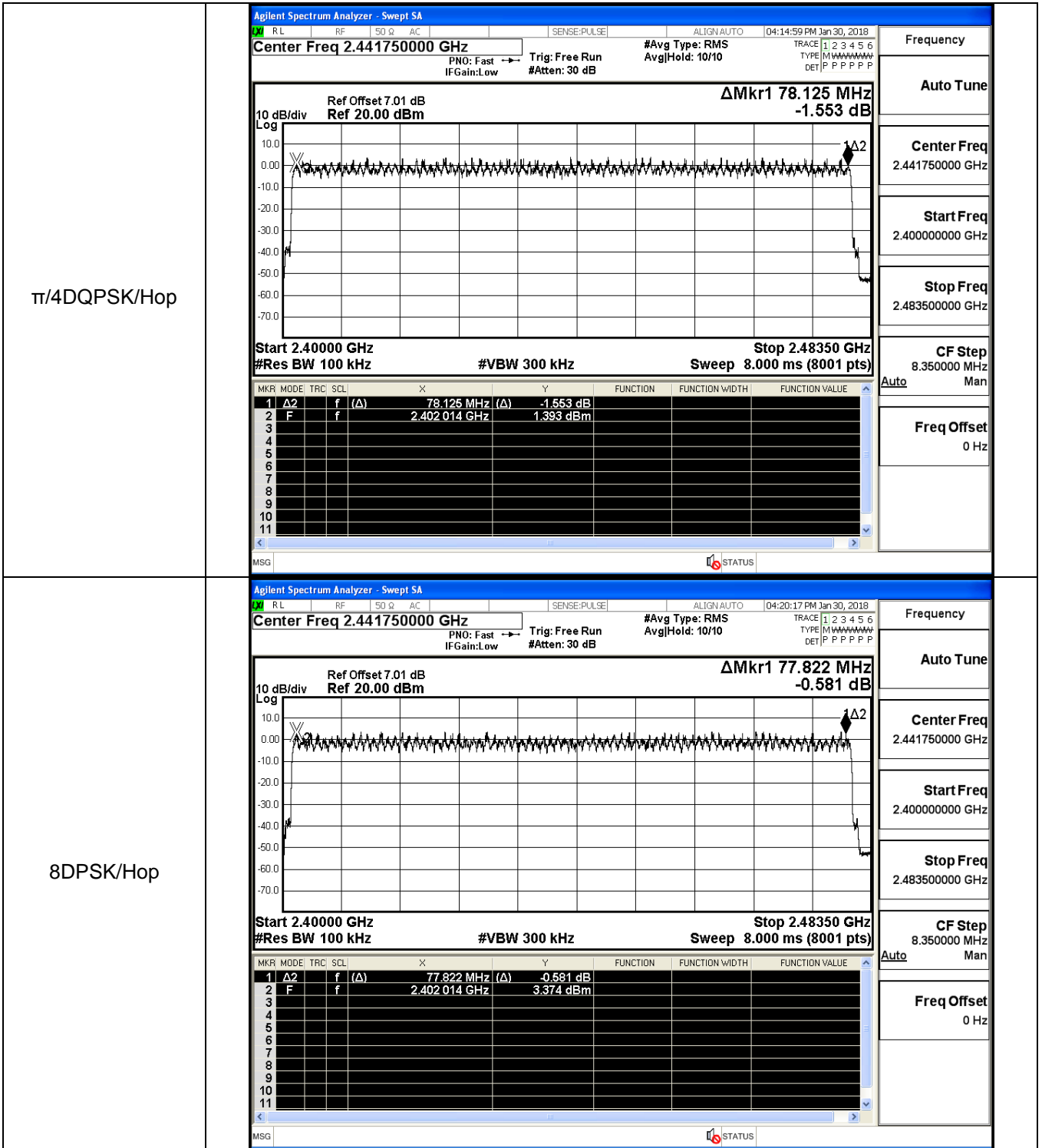


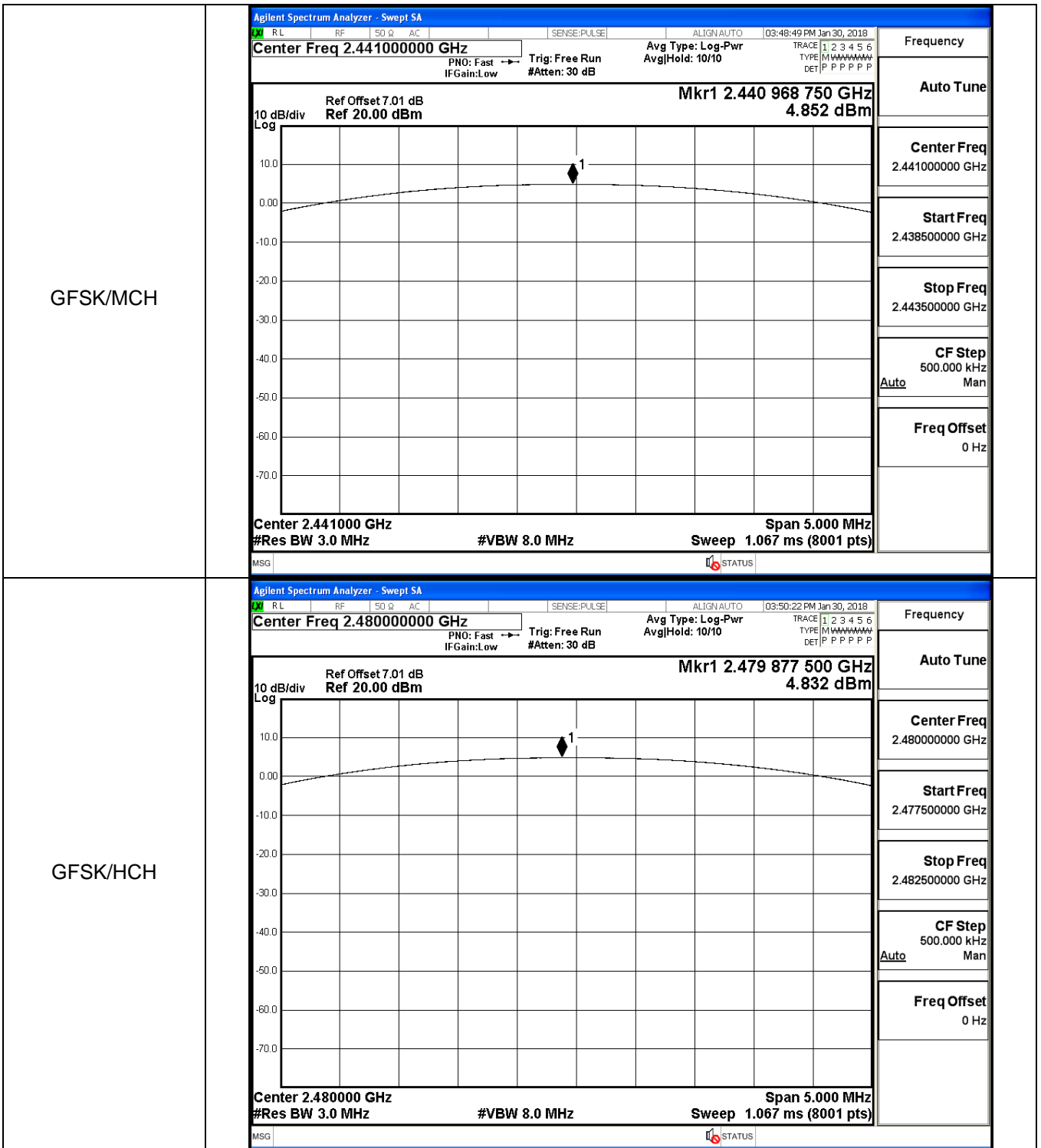
A.4 Hopping Channel Number Result Table

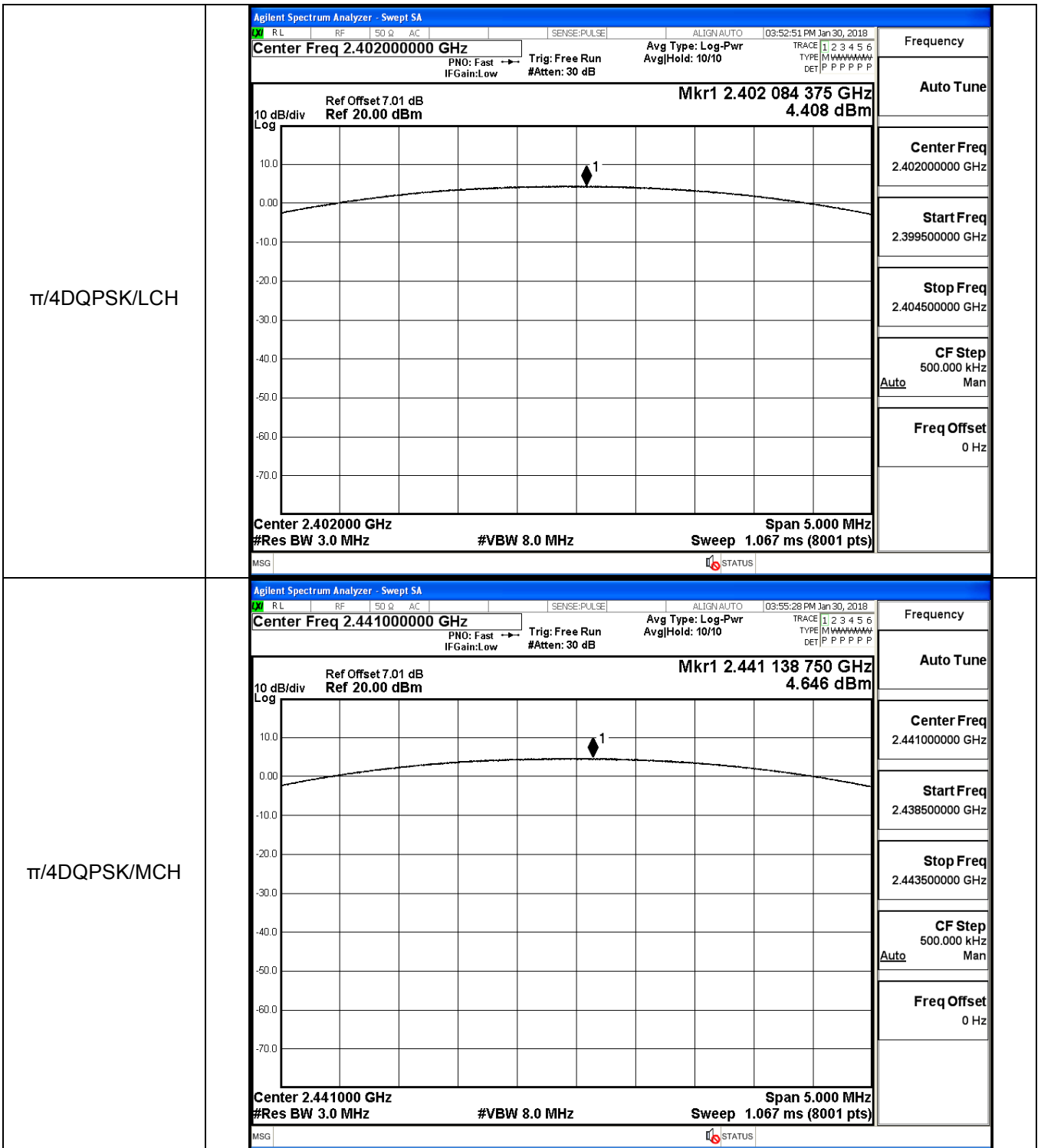
Mode	Channel.	Number of Hopping Channel	Limit [N]	Verdict
GFSK	Hop	79	>=15	PASS
$\pi/4$ DQPSK	Hop	79	>=15	PASS
8DPSK	Hop	79	>=15	PASS

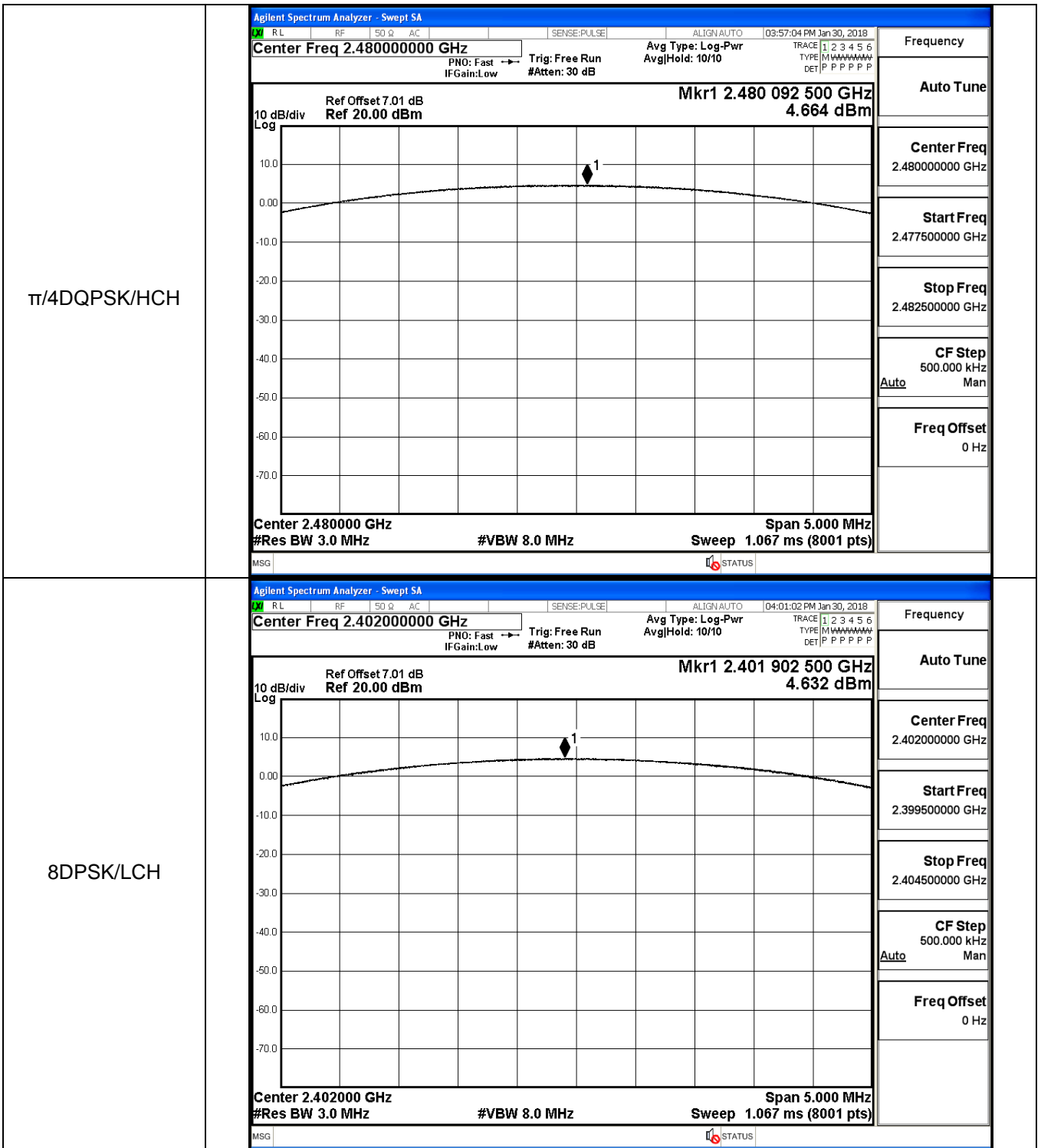
Test Graph

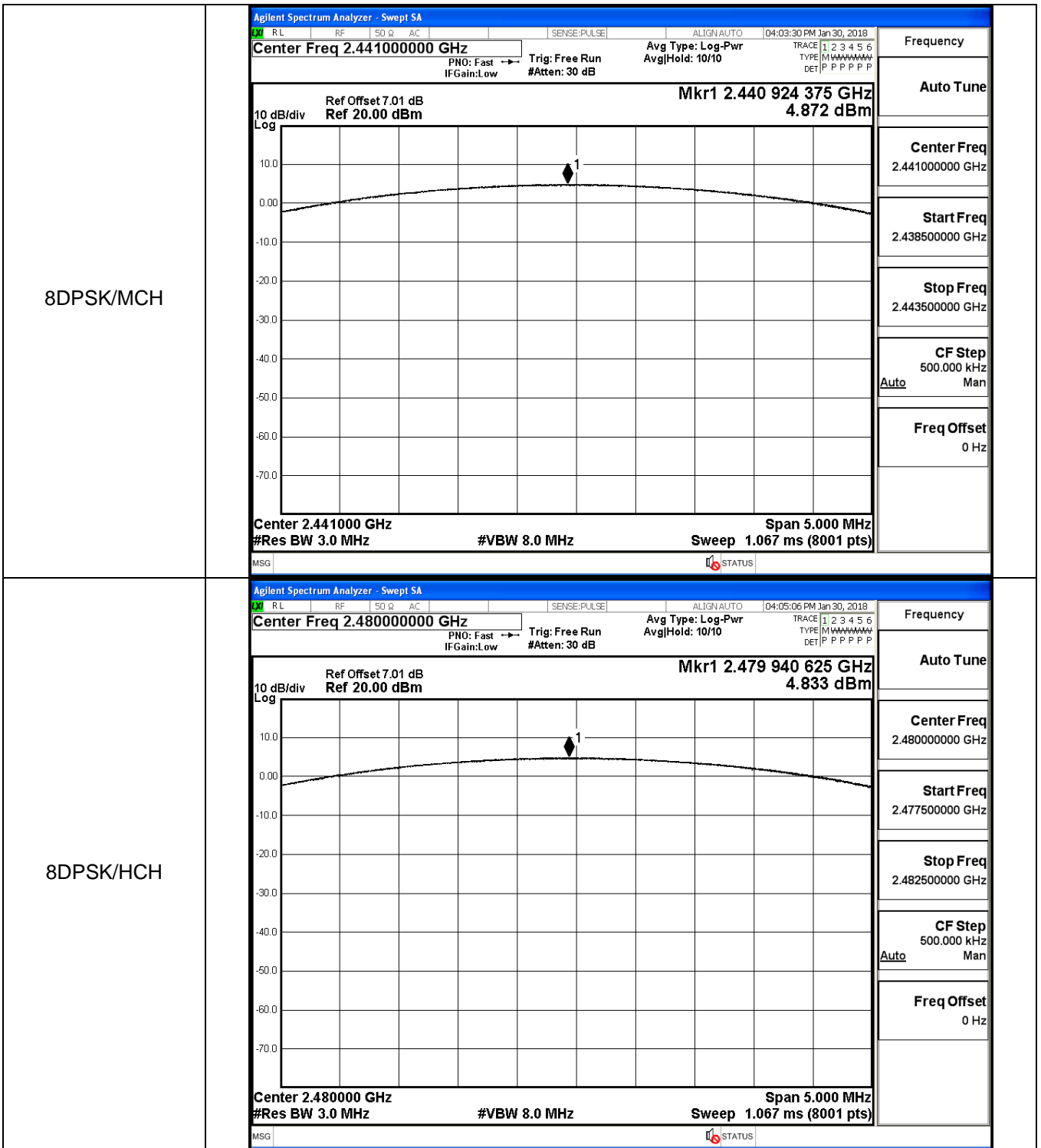








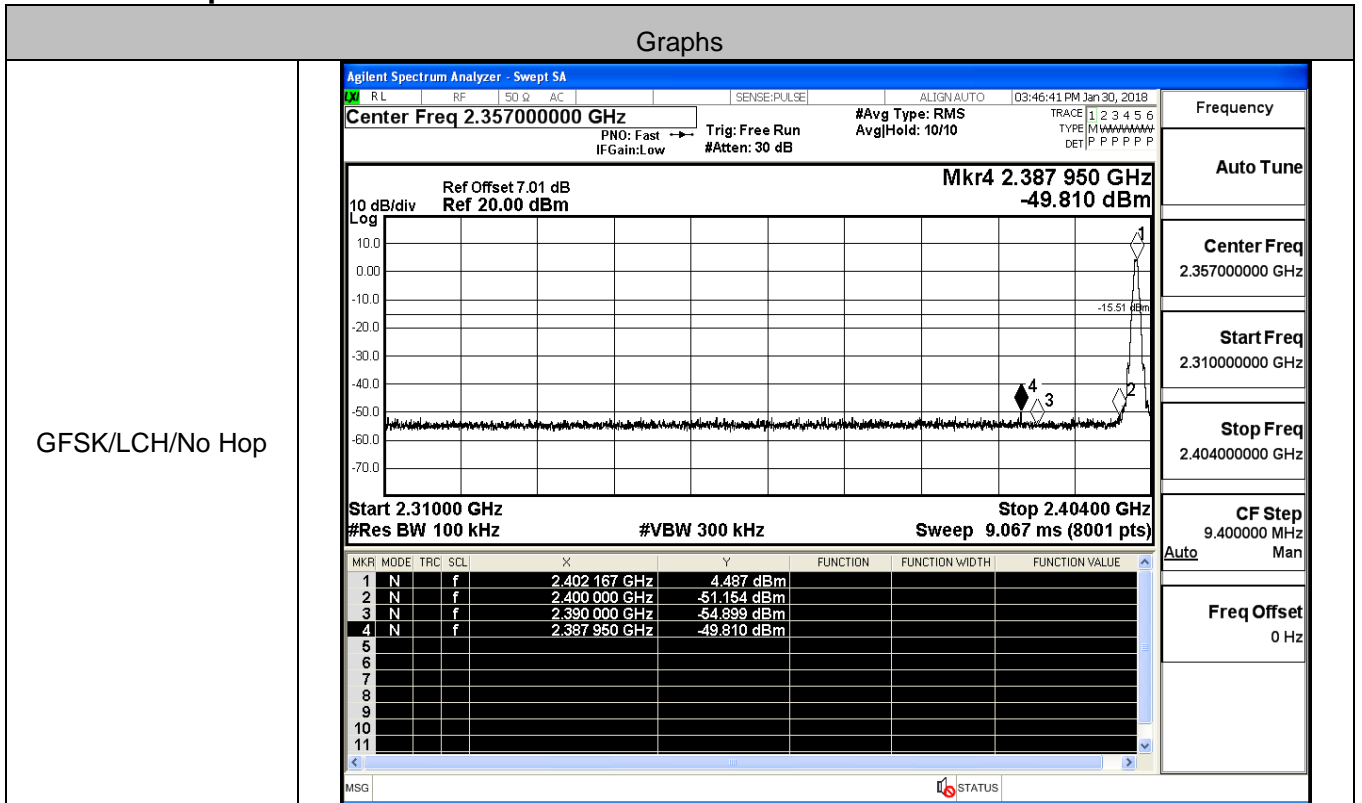


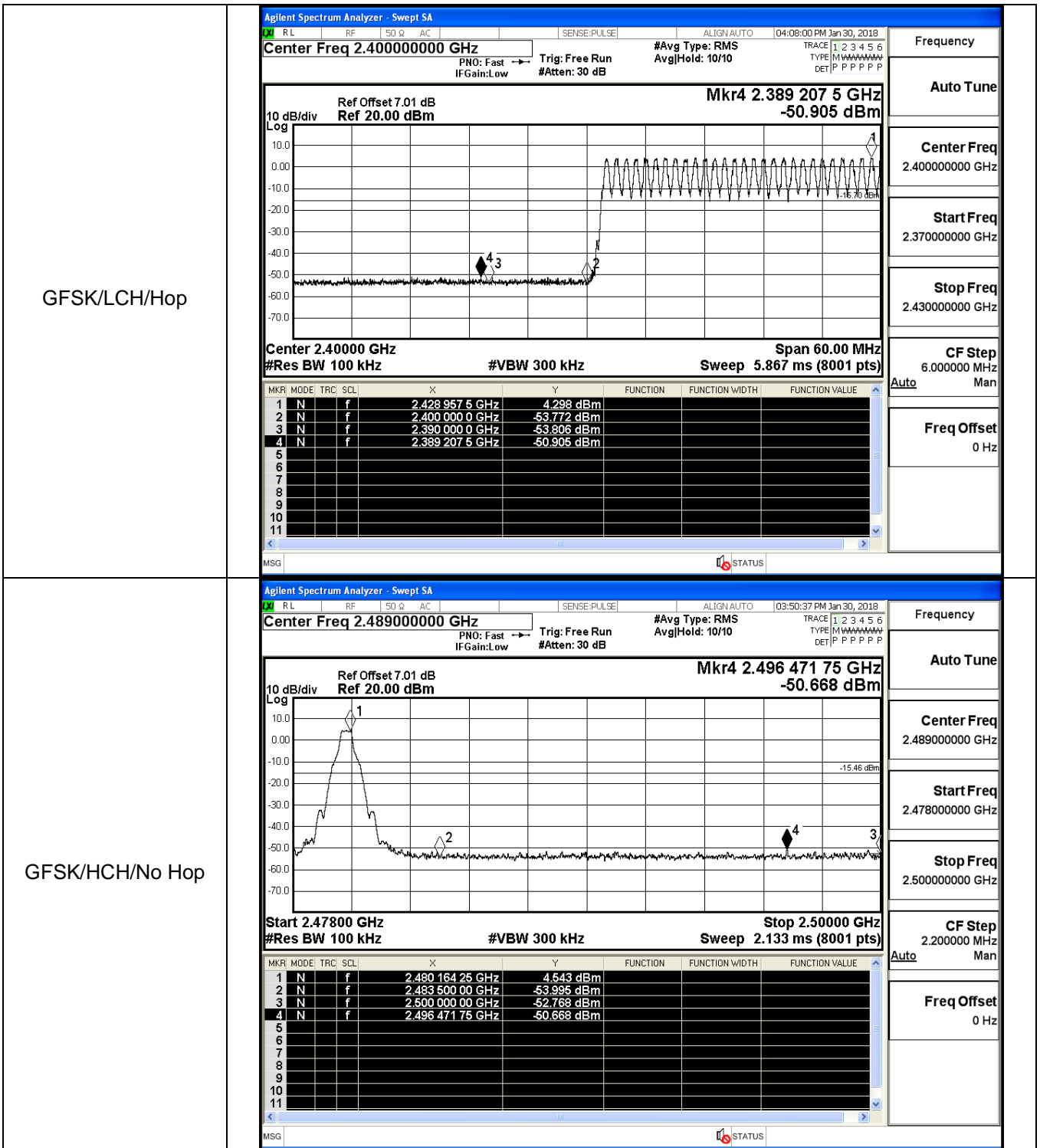


A.6 Band-edge for RF Conducted Emissions Result Table

Mode	Channel	Carrier Frequency [MHz]	Carrier Power [dBm]	Frequency Hopping	Max Spurious Level [dBm]	Limit [dBm]	Verdict
GFSK	LCH	2402	4.487	Off	-49.810	-15.51	PASS
			4.298	On	-50.905	-15.7	PASS
GFSK	HCH	2480	4.543	Off	-50.668	-15.46	PASS
			4.640	On	-50.811	-15.36	PASS
$\pi/4$ DQPSK	LCH	2402	3.367	Off	-51.172	-16.63	PASS
			3.639	On	-50.659	-16.36	PASS
$\pi/4$ DQPSK	HCH	2480	3.803	Off	-51.715	-16.2	PASS
			3.733	On	-50.558	-16.27	PASS
8DPSK	LCH	2402	2.910	Off	-51.174	-17.09	PASS
			3.584	On	-50.892	-16.42	PASS
8DPSK	HCH	2480	3.709	Off	-51.155	-16.29	PASS
			3.717	On	-50.530	-16.28	PASS

Test Graph

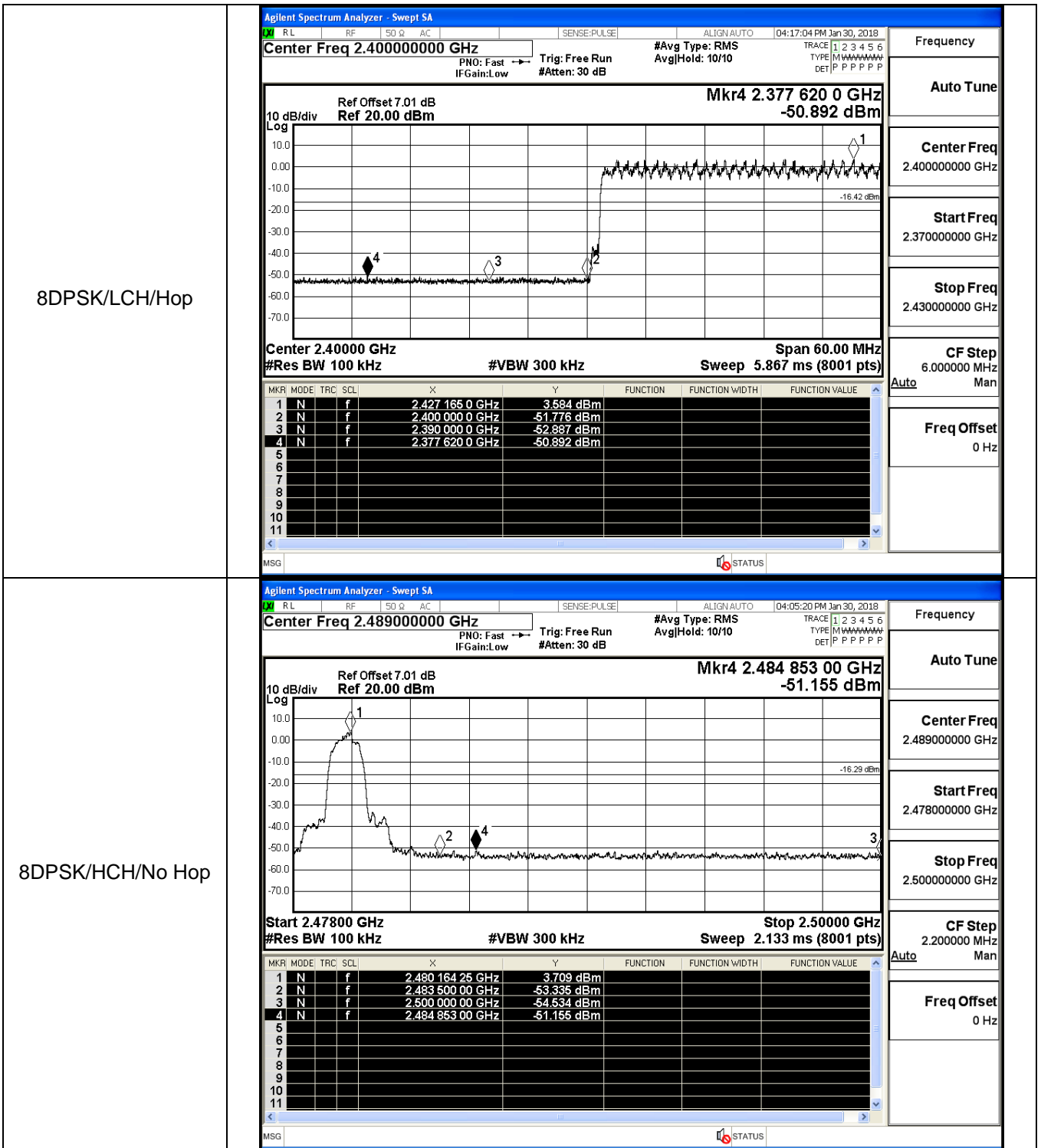


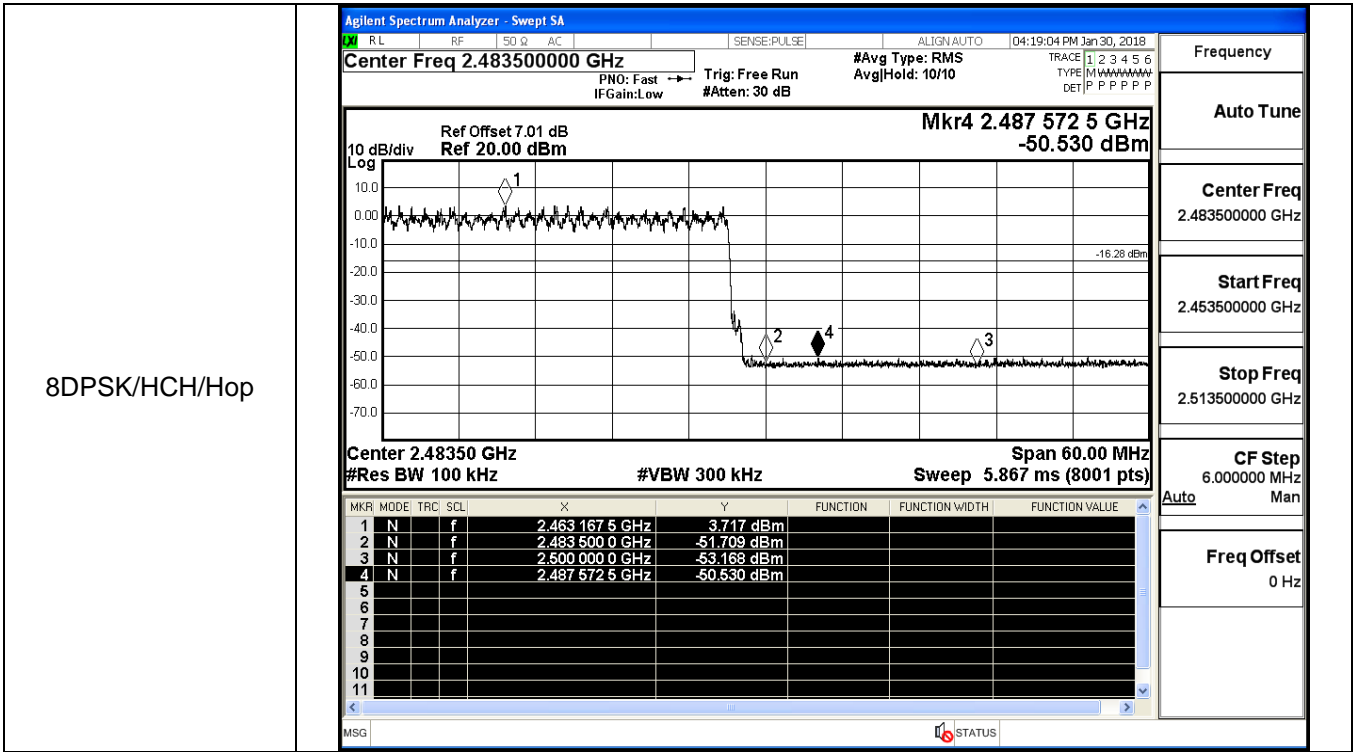


<p>GFSK/HCH/Hop</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.48350000 GHz</p> <p>Mkr4 2.484 467 5 GHz -50.811 dBm</p> <p>10 dB/div Log Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Center 2.48350 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz Sweep 5.867 ms (8001 pts)</p> <table border="1"> <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>2.469 167 5 GHz</td> <td>4.640 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td></td> <td>2.483 500 0 GHz</td> <td>-53.609 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td></td> <td>2.500 000 0 GHz</td> <td>-52.933 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.484 467 5 GHz</td> <td>-50.811 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		2.469 167 5 GHz	4.640 dBm				2	N	f		2.483 500 0 GHz	-53.609 dBm				3	N	f		2.500 000 0 GHz	-52.933 dBm				4	N	f		2.484 467 5 GHz	-50.811 dBm			
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																					
1	N	f		2.469 167 5 GHz	4.640 dBm																																									
2	N	f		2.483 500 0 GHz	-53.609 dBm																																									
3	N	f		2.500 000 0 GHz	-52.933 dBm																																									
4	N	f		2.484 467 5 GHz	-50.811 dBm																																									
<p>$\pi/4$DQPSK/LCH/No Hop</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.35700000 GHz</p> <p>Mkr4 2.367 211 GHz -51.172 dBm</p> <p>10 dB/div Log Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Start 2.31000 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.40400 GHz 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>2.402 038 GHz</td> <td>3.367 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>-50.228 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>-54.611 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.367 211 GHz</td> <td>-51.172 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		2.402 038 GHz	3.367 dBm				2	N	f		2.400 000 GHz	-50.228 dBm				3	N	f		2.390 000 GHz	-54.611 dBm				4	N	f		2.367 211 GHz	-51.172 dBm			
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																					
1	N	f		2.402 038 GHz	3.367 dBm																																									
2	N	f		2.400 000 GHz	-50.228 dBm																																									
3	N	f		2.390 000 GHz	-54.611 dBm																																									
4	N	f		2.367 211 GHz	-51.172 dBm																																									

<p>$\pi/4$DQPSK/LCH/Hop</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.40000000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.382 705 0 GHz -50.659 dBm</p> <p>10 dB/div Log</p> <p>Center 2.40000 GHz #Res BW 100 kHz #VBW 300 kHz Span 60.00 MHz 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>2.422 162 5 GHz</td> <td>3.639 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>-52.658 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>-53.125 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.382 705 0 GHz</td> <td>-50.659 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		2.422 162 5 GHz	3.639 dBm				2	N	f		2.400 000 0 GHz	-52.658 dBm				3	N	f		2.390 000 0 GHz	-53.125 dBm				4	N	f		2.382 705 0 GHz	-50.659 dBm			
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																					
1	N	f		2.422 162 5 GHz	3.639 dBm																																									
2	N	f		2.400 000 0 GHz	-52.658 dBm																																									
3	N	f		2.390 000 0 GHz	-53.125 dBm																																									
4	N	f		2.382 705 0 GHz	-50.659 dBm																																									
<p>$\pi/4$DQPSK/HCH/No Hop</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.48900000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.495 220 50 GHz -51.715 dBm</p> <p>10 dB/div Log</p> <p>Start 2.47800 GHz #Res BW 100 kHz #VBW 300 kHz Stop 2.50000 GHz Sweep 2.133 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>2.479 848 00 GHz</td> <td>3.803 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td></td> <td>2.483 500 00 GHz</td> <td>-54.389 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td></td> <td>2.500 000 00 GHz</td> <td>-53.672 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.495 220 50 GHz</td> <td>-51.715 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		2.479 848 00 GHz	3.803 dBm				2	N	f		2.483 500 00 GHz	-54.389 dBm				3	N	f		2.500 000 00 GHz	-53.672 dBm				4	N	f		2.495 220 50 GHz	-51.715 dBm			
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																					
1	N	f		2.479 848 00 GHz	3.803 dBm																																									
2	N	f		2.483 500 00 GHz	-54.389 dBm																																									
3	N	f		2.500 000 00 GHz	-53.672 dBm																																									
4	N	f		2.495 220 50 GHz	-51.715 dBm																																									

<p>$\pi/4$DQPSK/HCH/Hop</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.48350000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.489 395 0 GHz -50.558 dBm</p> <p>10 dB/div Log</p> <p>Span 60.00 MHz 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>2.465 162 5 GHz</td> <td>3.733 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>2</td> <td>N</td> <td>f</td> <td></td> <td>2.483 500 0 GHz</td> <td>-52.776 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>3</td> <td>N</td> <td>f</td> <td></td> <td>2.500 000 0 GHz</td> <td>-52.693 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.489 395 0 GHz</td> <td>-50.558 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		2.465 162 5 GHz	3.733 dBm				2	N	f		2.483 500 0 GHz	-52.776 dBm				3	N	f		2.500 000 0 GHz	-52.693 dBm				4	N	f		2.489 395 0 GHz	-50.558 dBm			
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																					
1	N	f		2.465 162 5 GHz	3.733 dBm																																									
2	N	f		2.483 500 0 GHz	-52.776 dBm																																									
3	N	f		2.500 000 0 GHz	-52.693 dBm																																									
4	N	f		2.489 395 0 GHz	-50.558 dBm																																									
<p>8DPSK/LCH/No Hop</p>	<p>Agilent Spectrum Analyzer - Swept SA</p> <p>Center Freq 2.35700000 GHz</p> <p>Ref Offset 7.01 dB Ref 20.00 dBm</p> <p>Mkr4 2.389 512 GHz -51.174 dBm</p> <p>10 dB/div Log</p> <p>Start 2.31000 GHz Stop 2.40400 GHz</p> <p>#Res BW 100 kHz #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>2.402 144 GHz</td> <td>2.910 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>-51.333 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>-54.317 dBm</td> <td></td> <td></td> <td></td> </tr> <tr> <td>4</td> <td>N</td> <td>f</td> <td></td> <td>2.389 512 GHz</td> <td>-51.174 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		2.402 144 GHz	2.910 dBm				2	N	f		2.400 000 GHz	-51.333 dBm				3	N	f		2.390 000 GHz	-54.317 dBm				4	N	f		2.389 512 GHz	-51.174 dBm			
	MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE																																					
1	N	f		2.402 144 GHz	2.910 dBm																																									
2	N	f		2.400 000 GHz	-51.333 dBm																																									
3	N	f		2.390 000 GHz	-54.317 dBm																																									
4	N	f		2.389 512 GHz	-51.174 dBm																																									

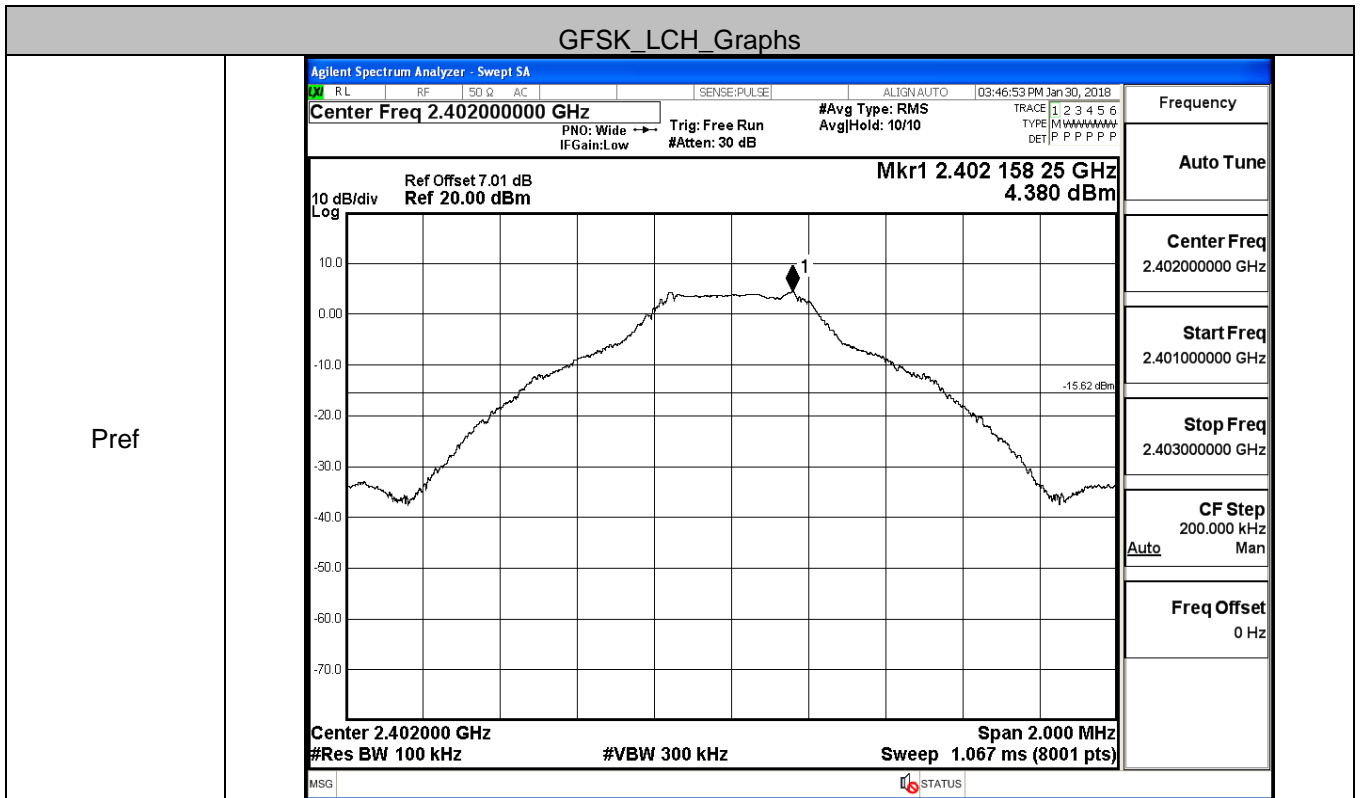


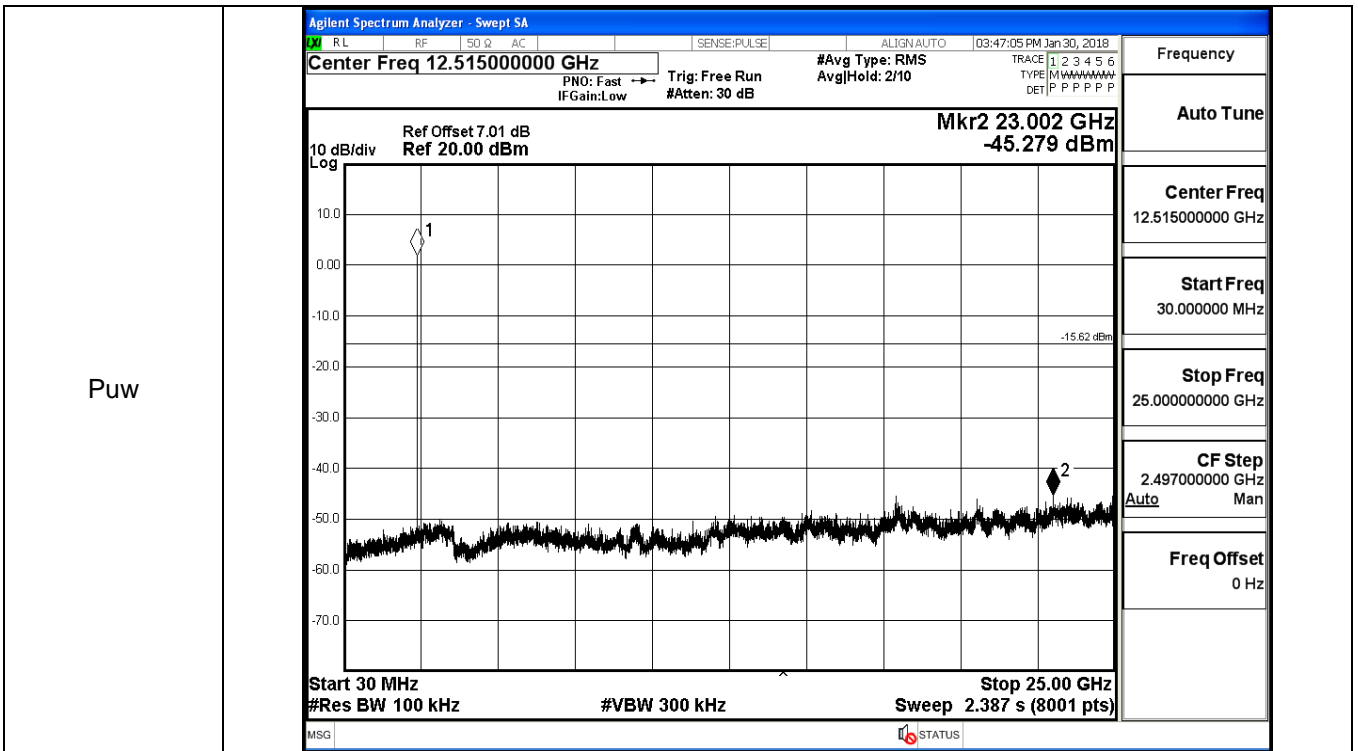


A.7 RF Conducted Spurious Emissions Result Table

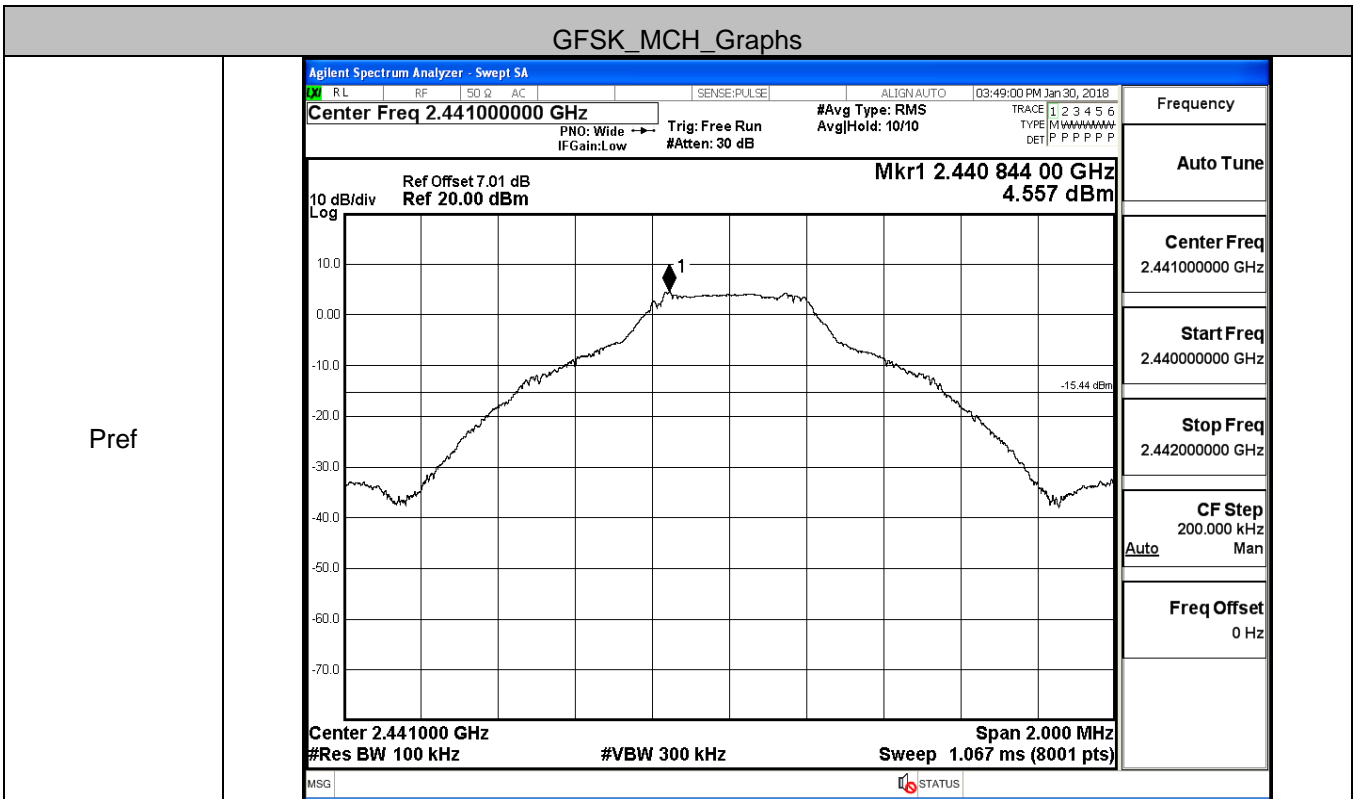
Mode	Channel	Pref [dBm]	Max. Level [dBm]	Limit[dBm]	Verdict
GFSK	LCH	4.380	-45.279	-15.620	PASS
GFSK	MCH	4.557	-45.200	-15.443	PASS
GFSK	HCH	4.442	-45.445	-15.558	PASS
$\pi/4$ DQPSK	LCH	3.378	-45.553	-16.622	PASS
$\pi/4$ DQPSK	MCH	3.304	-45.265	-16.696	PASS
$\pi/4$ DQPSK	HCH	3.579	-45.911	-16.421	PASS
8DPSK	LCH	2.837	-45.489	-17.163	PASS
8DPSK	MCH	3.072	-45-750	-16.928	PASS
8DPSK	HCH	3.658	-45.545	-16.342	PASS

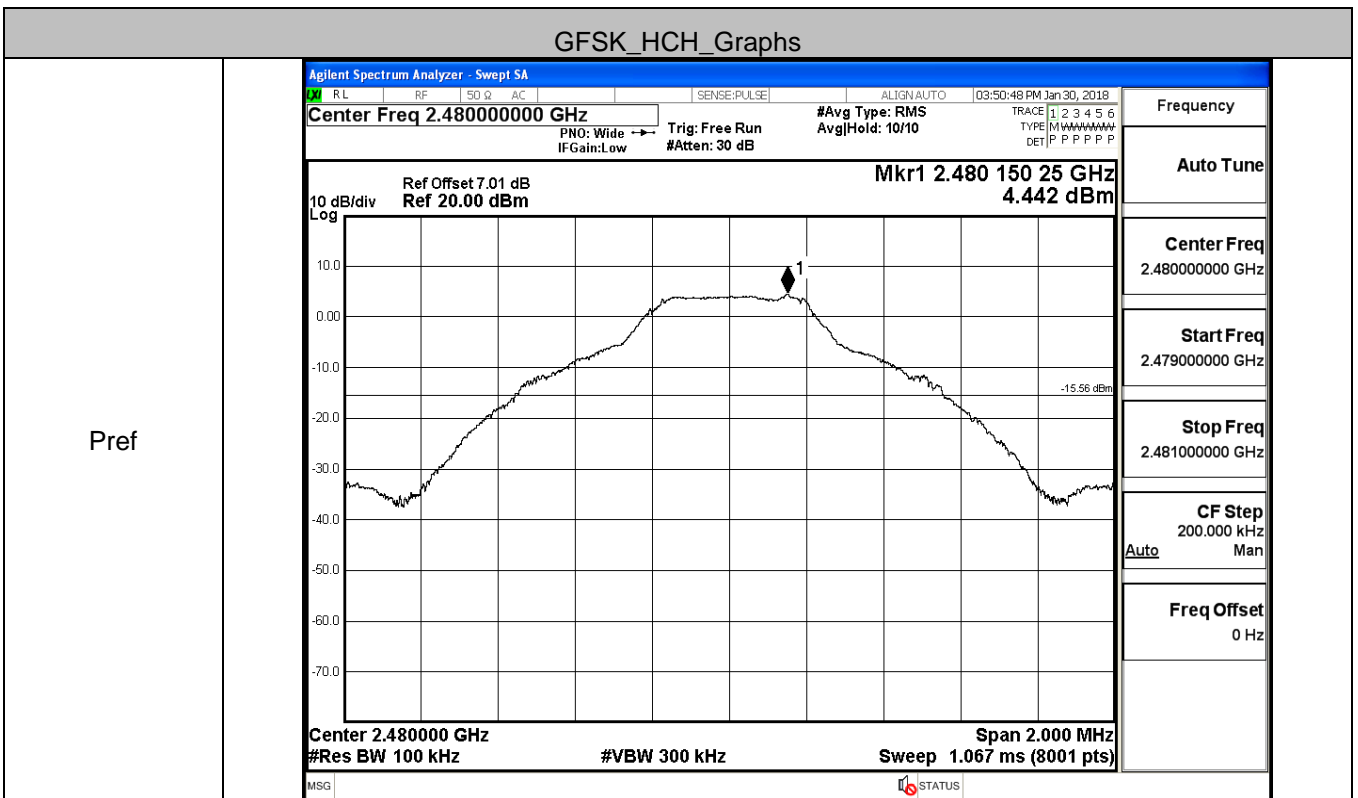
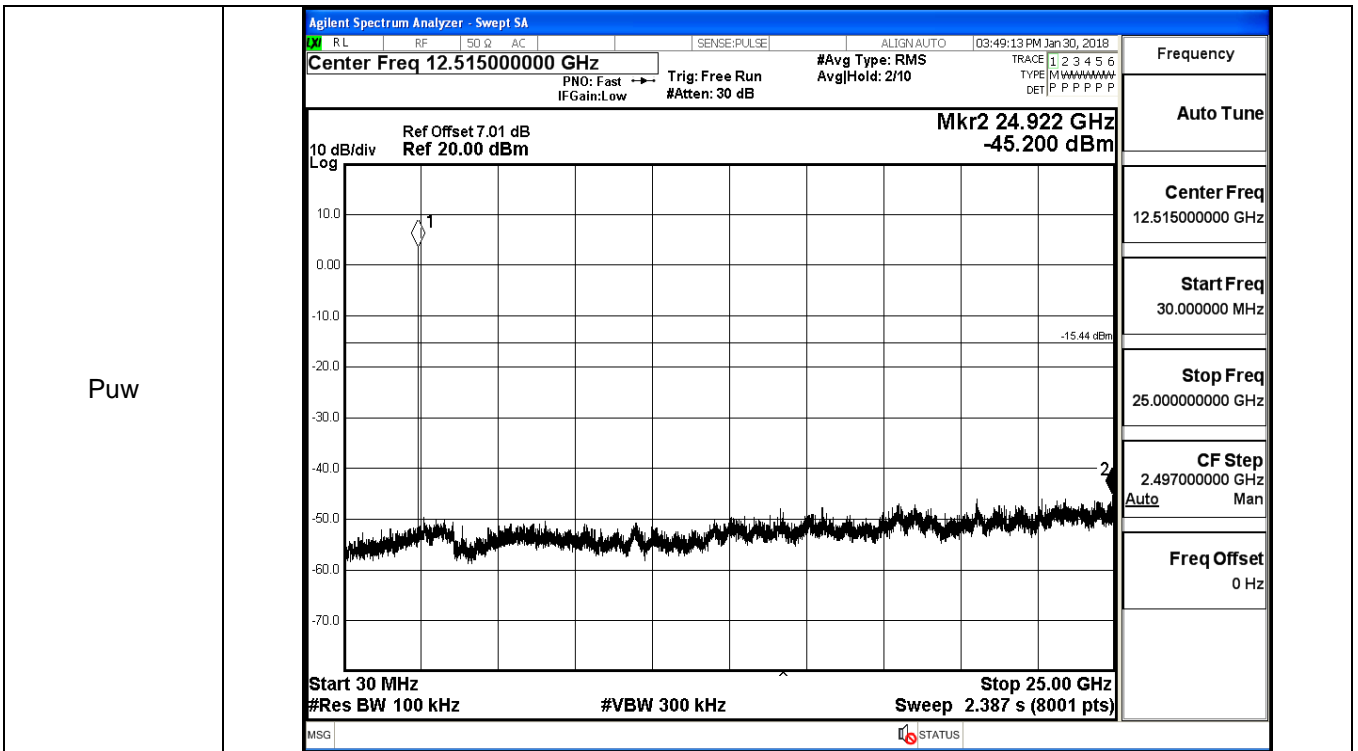
Test Graph

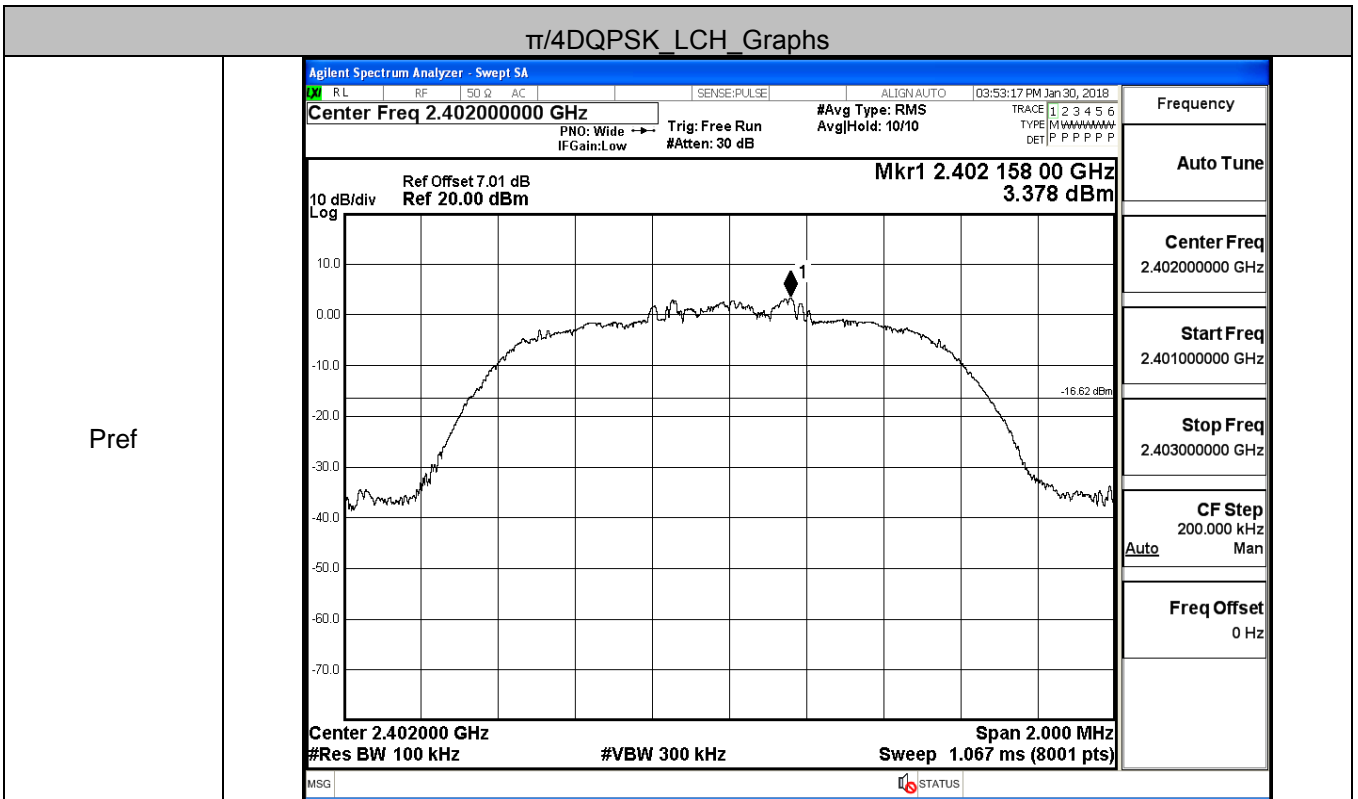
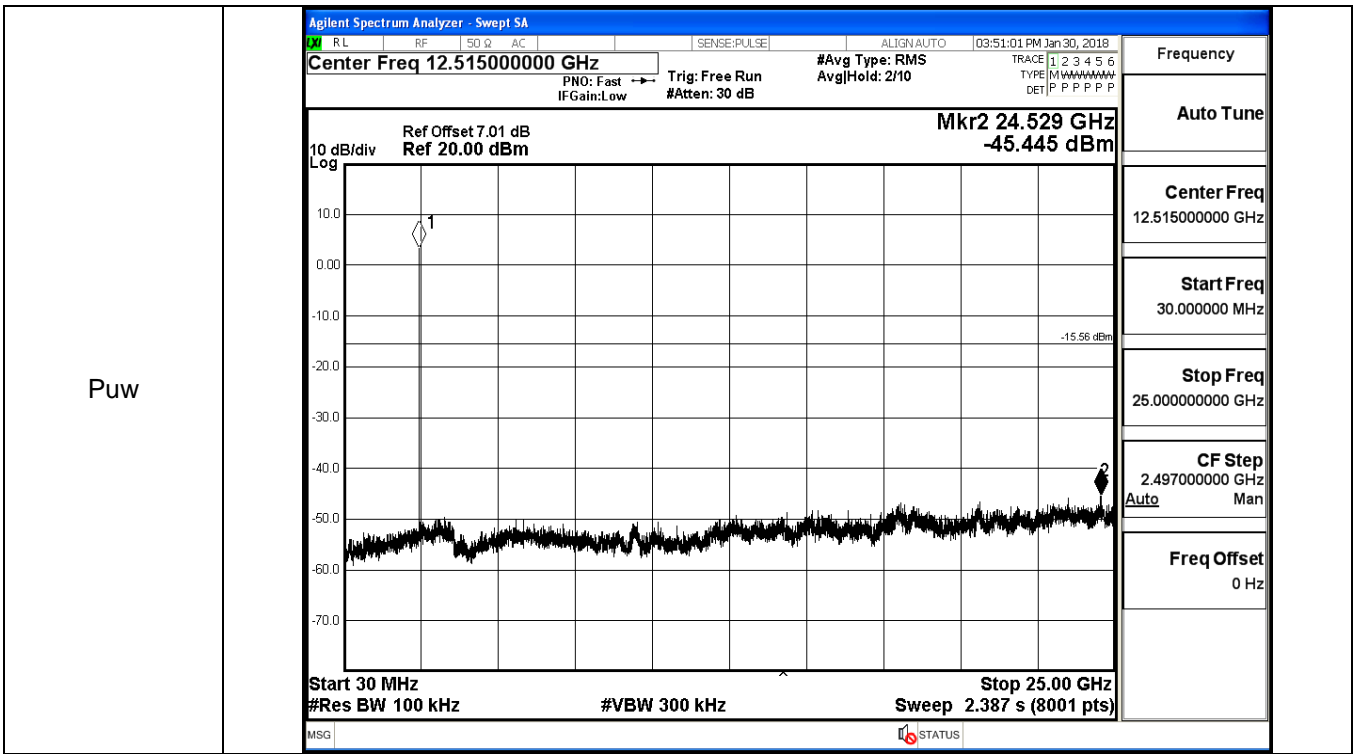


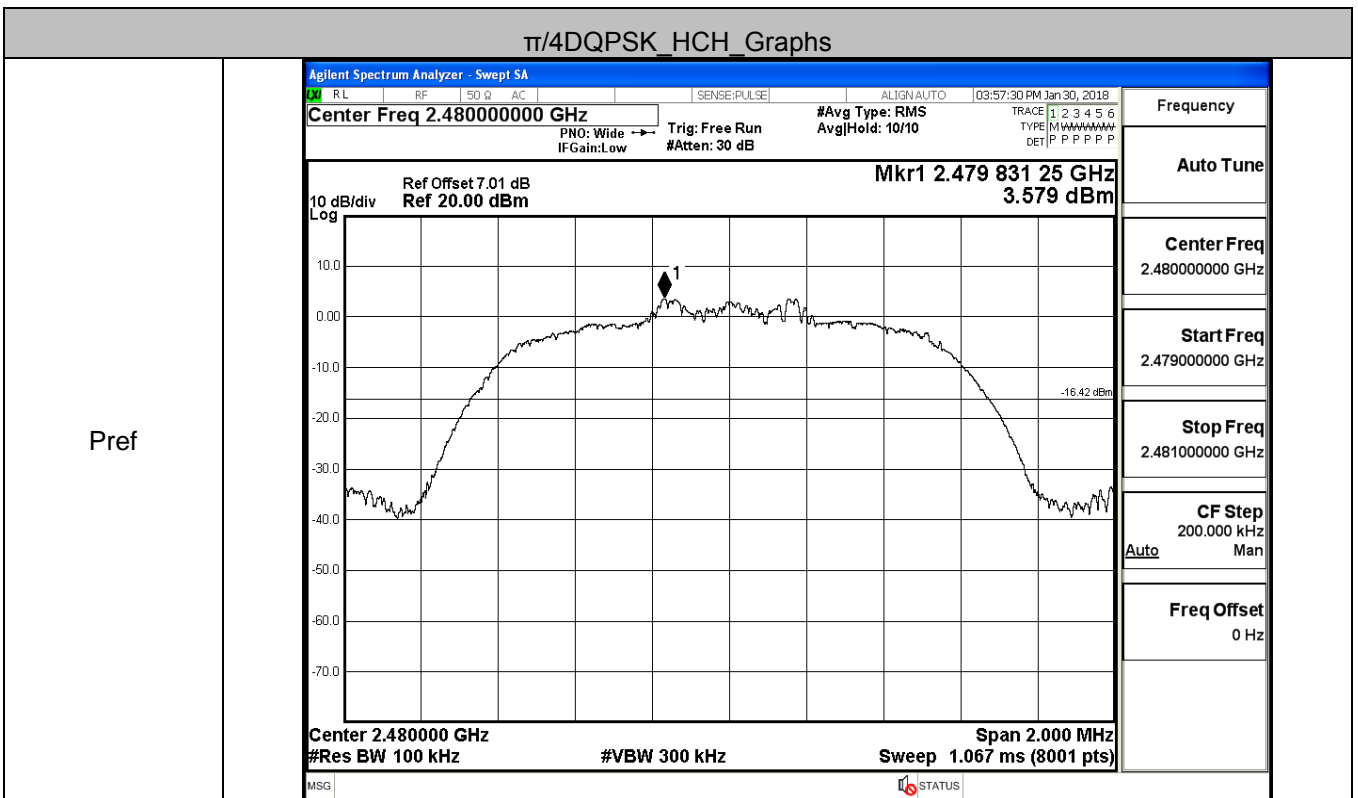
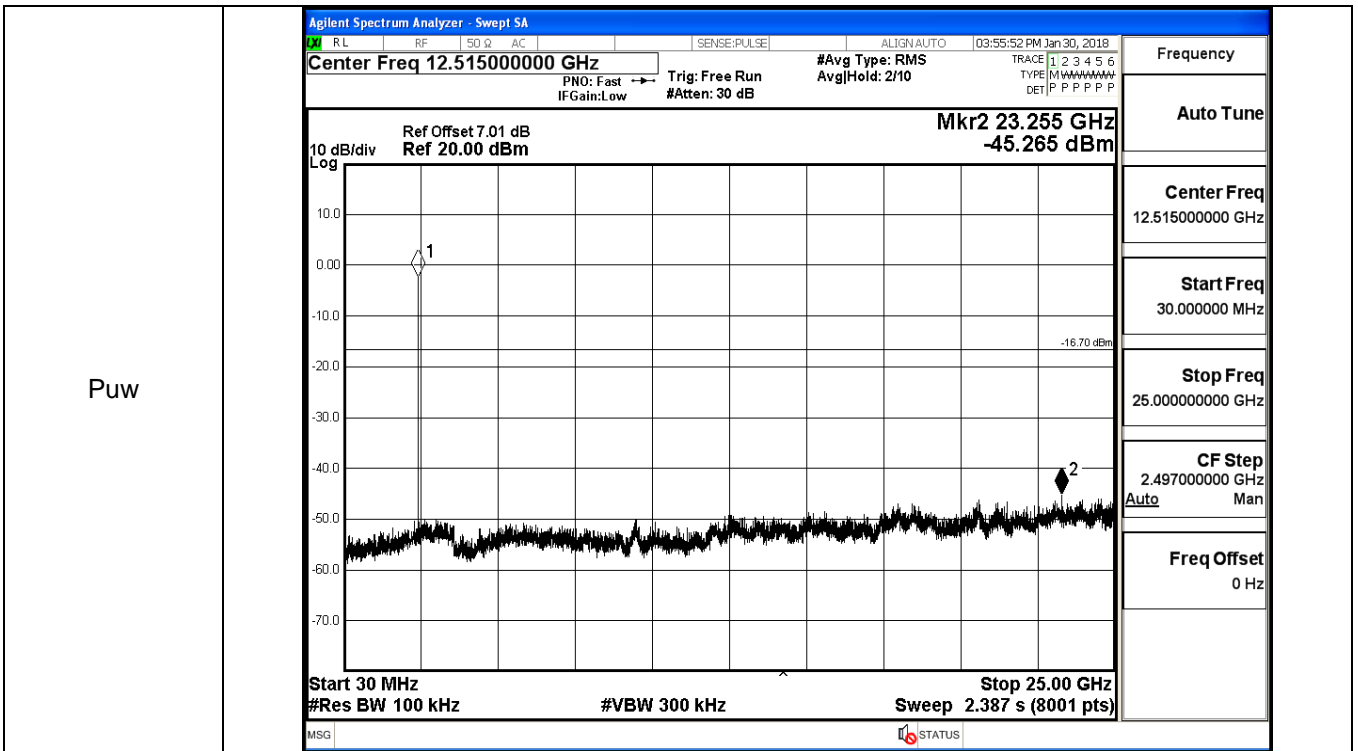


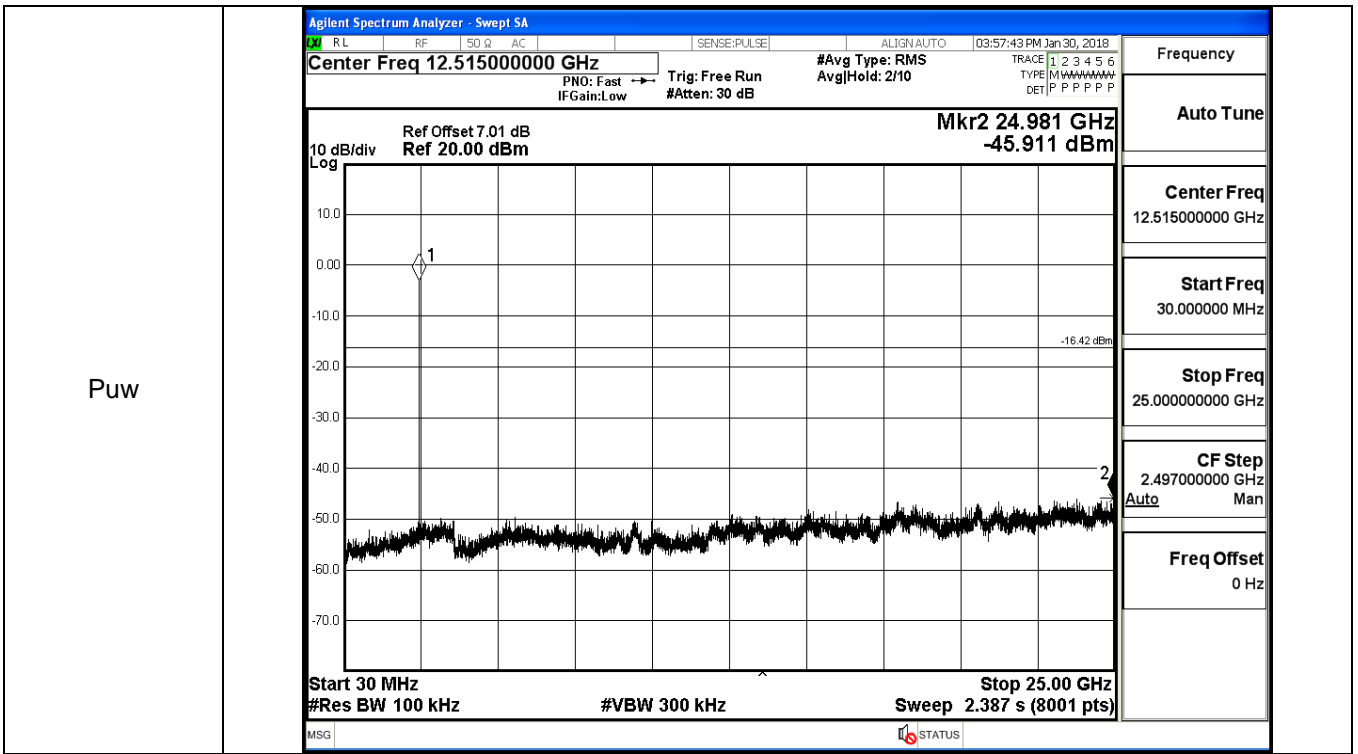
GFSK_MCH_Graphs



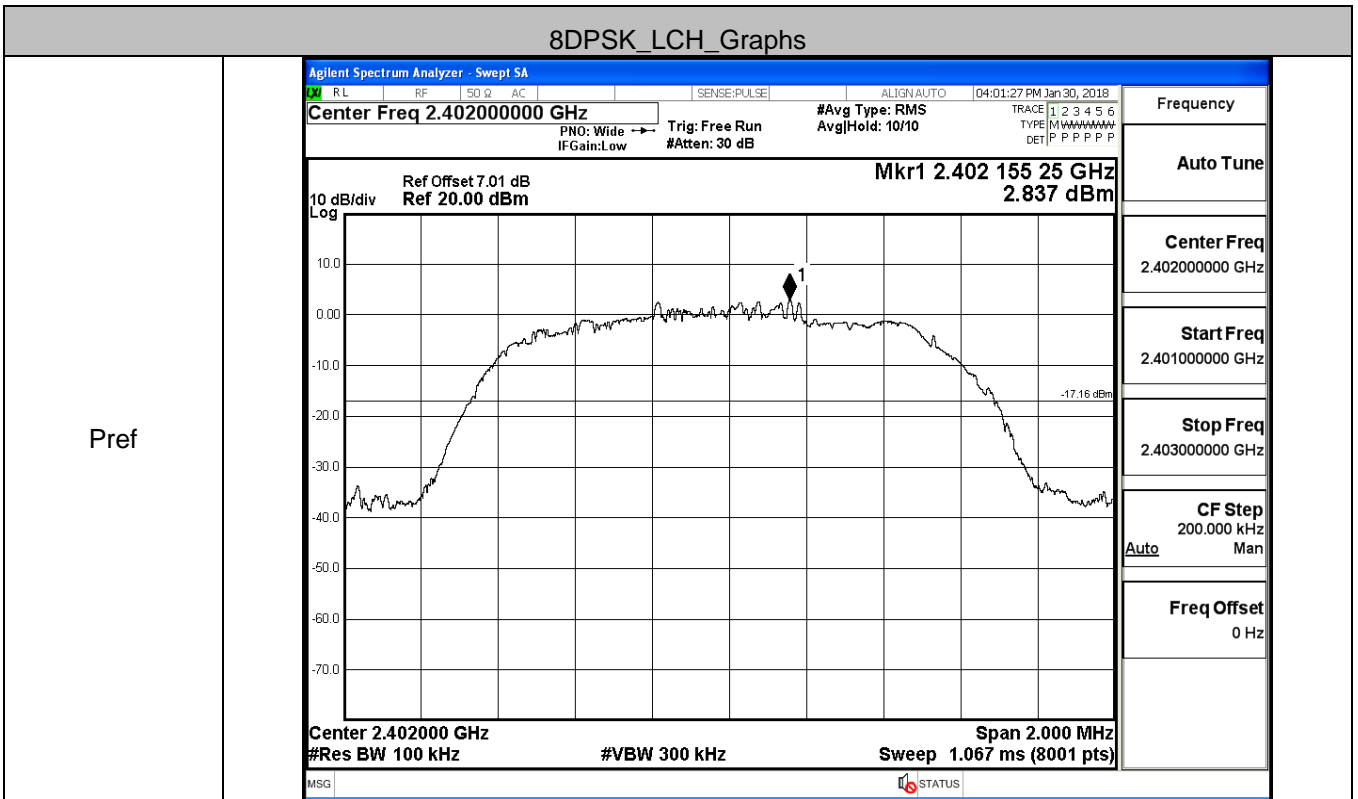


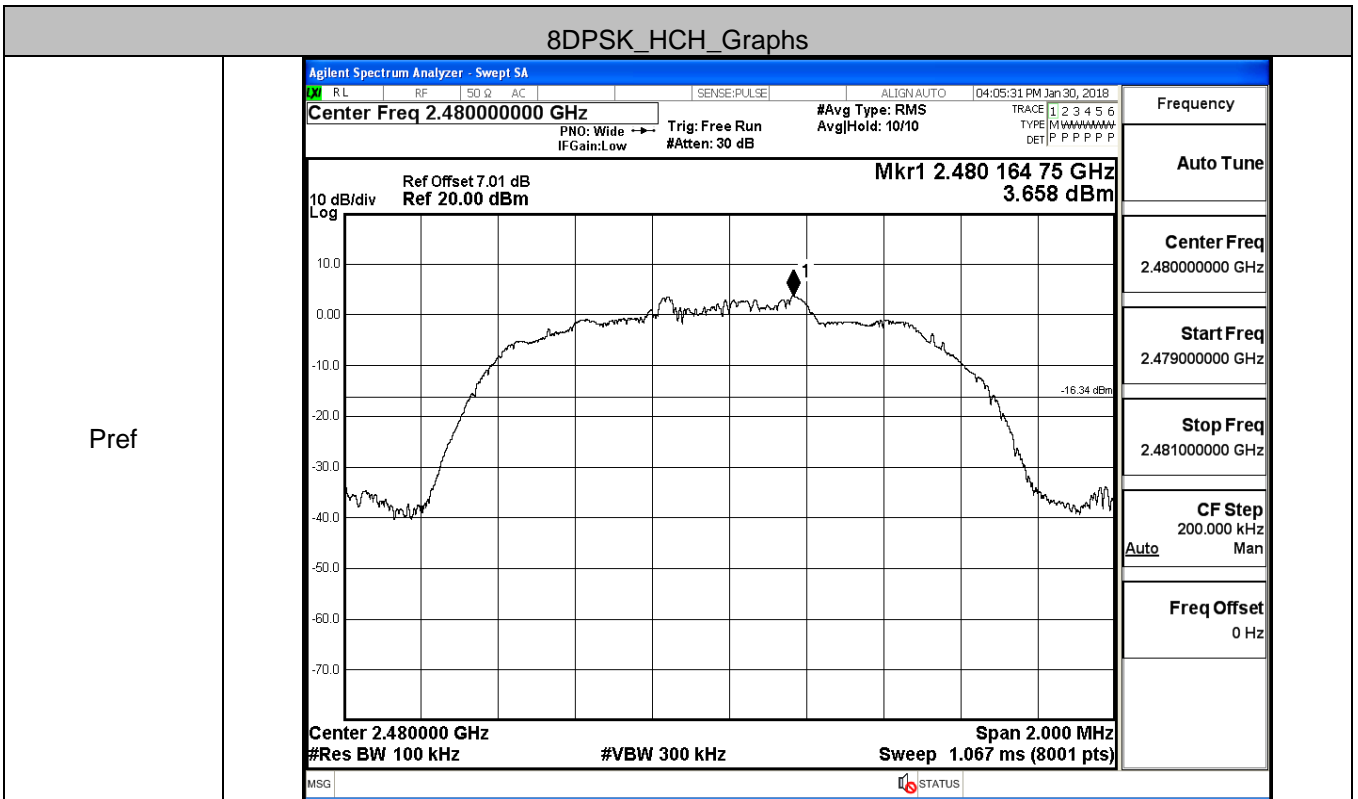
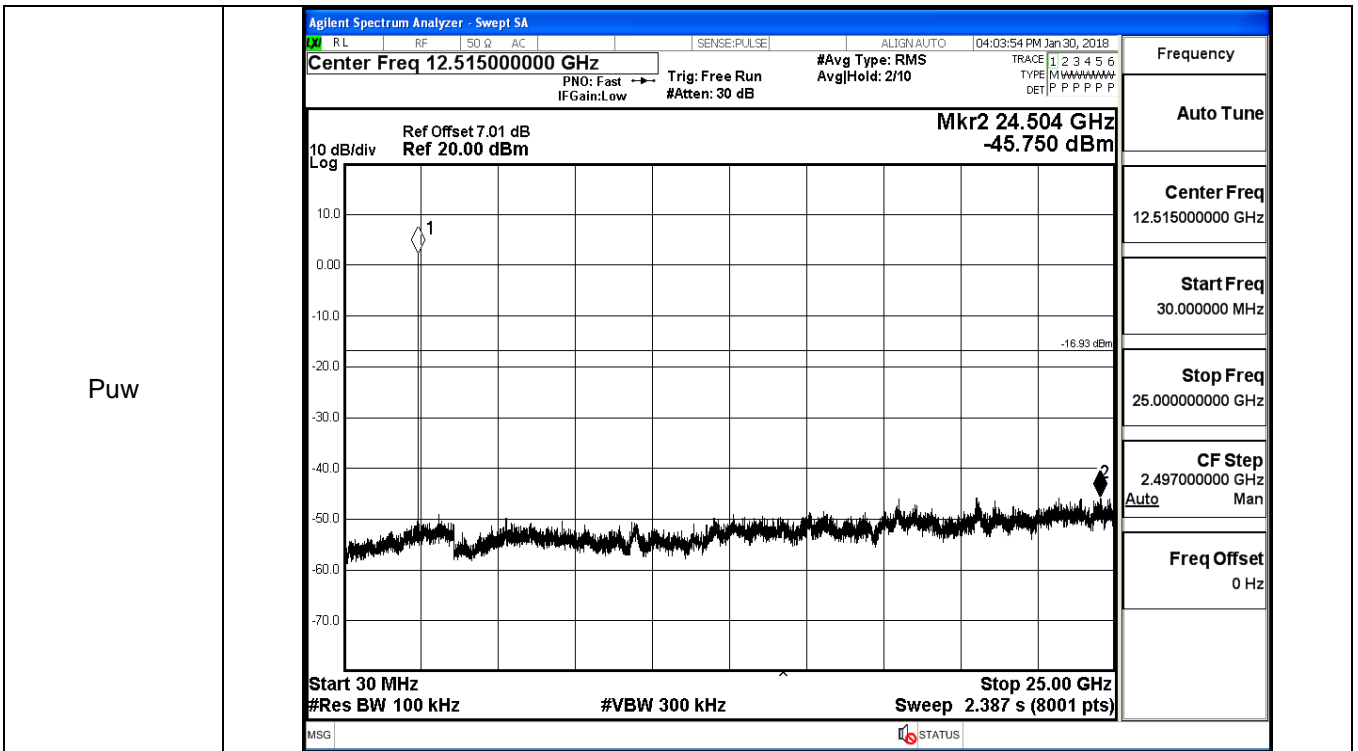


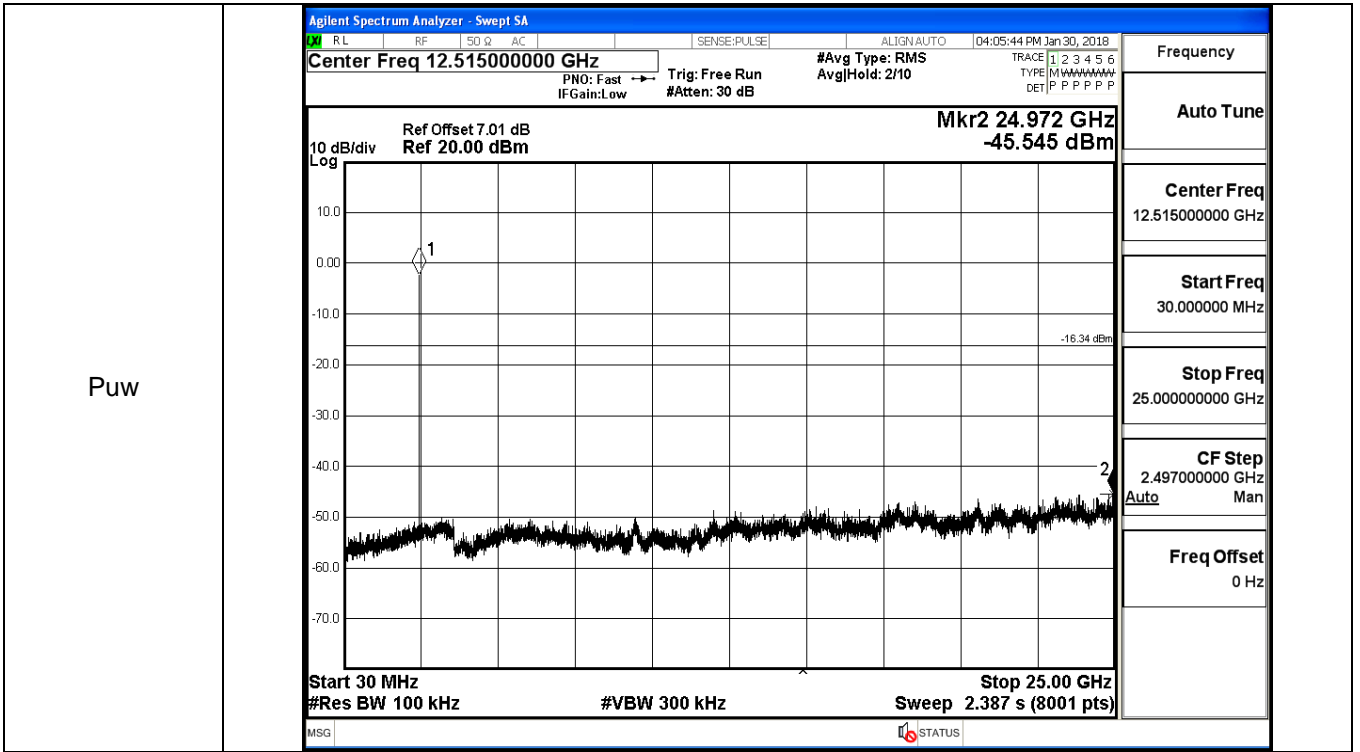




8DPSK_LCH_Graphs





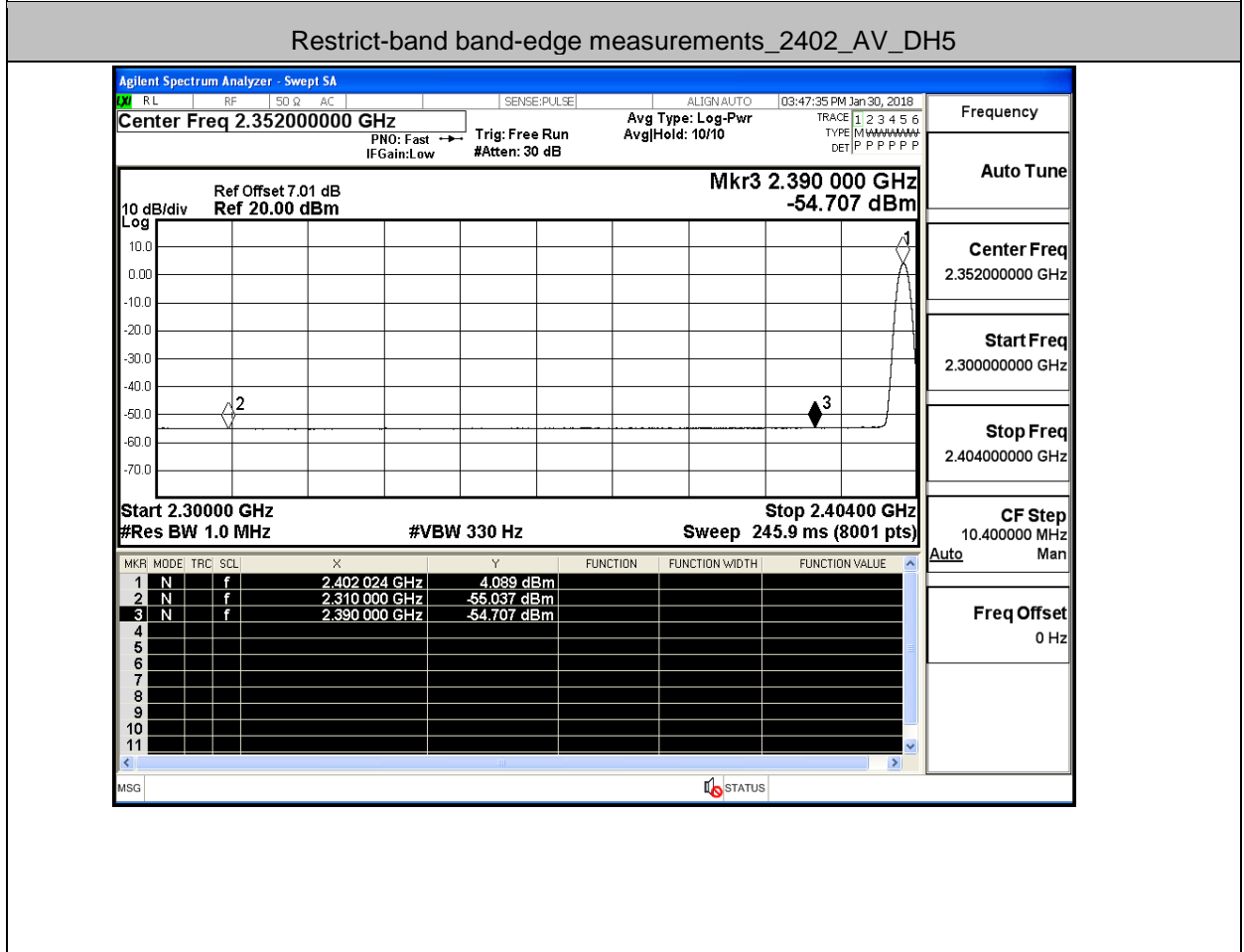
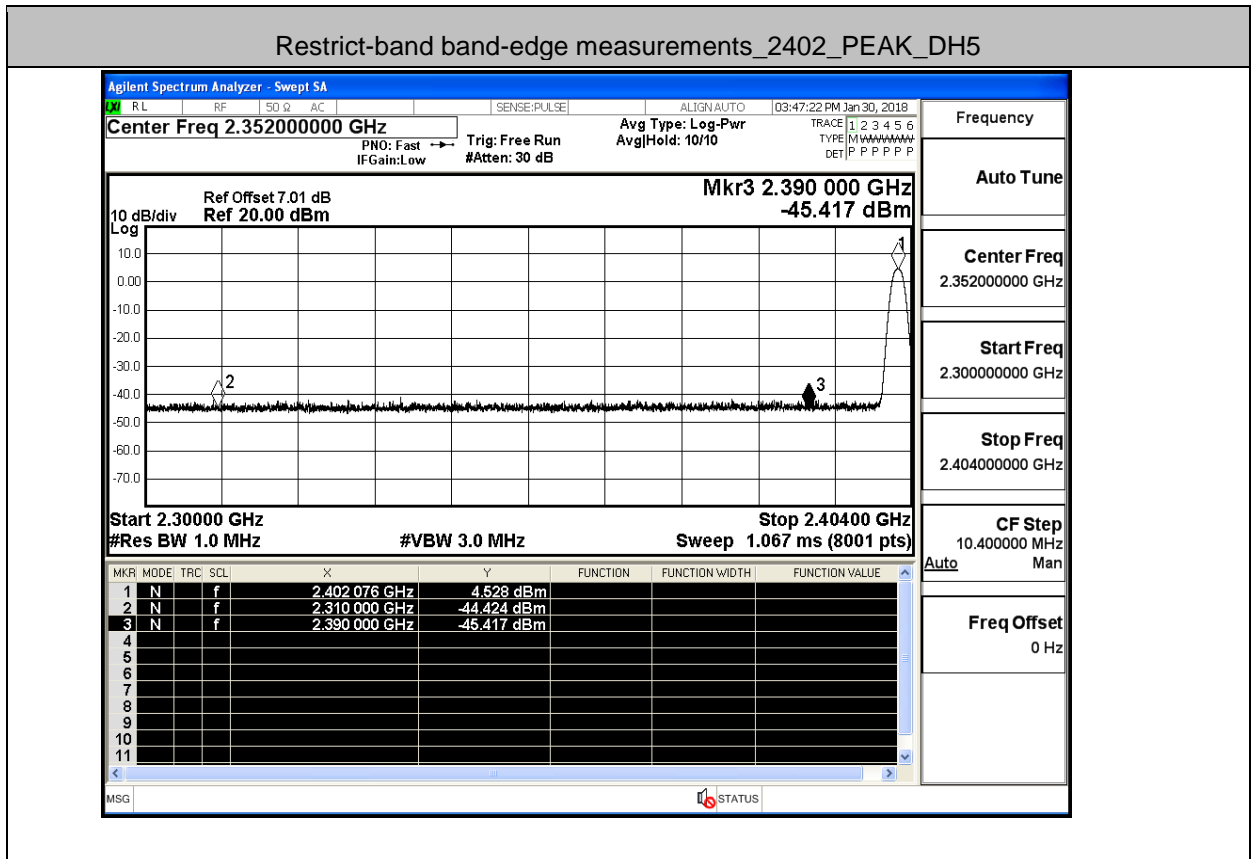


. A.8 Restrict-band band-edge measurements

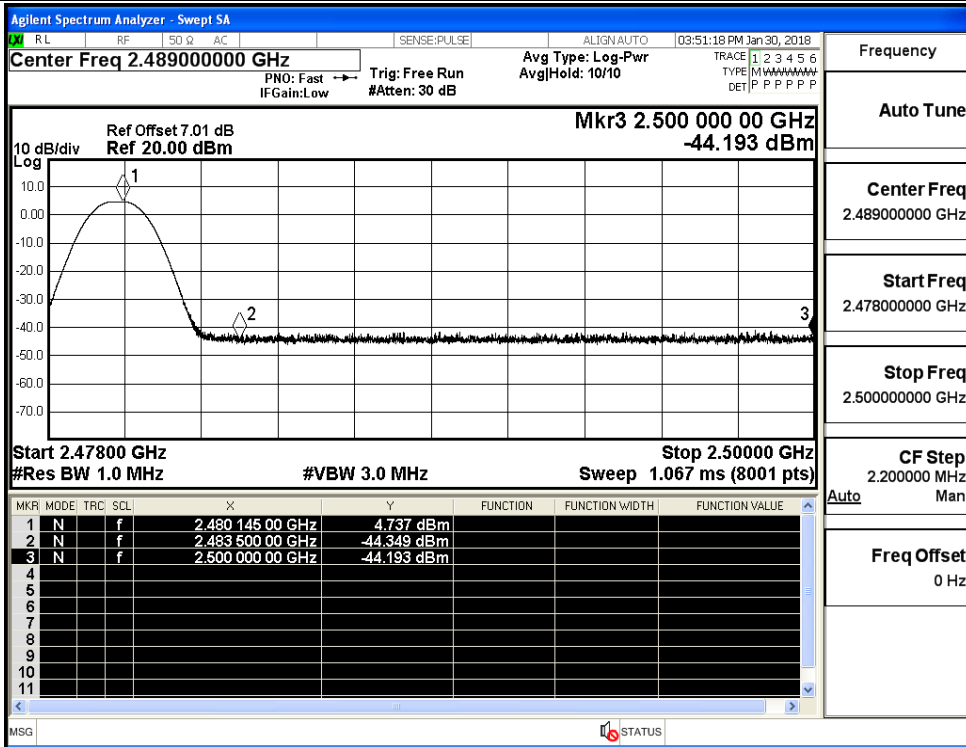
Result Table

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK_DH5	On	2310.0	-44.42	2	0	50.83	PEAK	74	PASS
GFSK_DH5	On	2310.0	-55.04	2	0	40.22	AV	54	PASS
GFSK_DH5	On	2390.0	-45.42	2	0	49.84	PEAK	74	PASS
GFSK_DH5	On	2390.0	-54.71	2	0	40.55	AV	54	PASS
GFSK_DH5	On	2483.5	-44.35	2	0	50.91	PEAK	74	PASS
GFSK_DH5	On	2483.5	-54.27	2	0	40.99	AV	54	PASS
GFSK_DH5	On	2500.0	-44.19	2	0	51.06	PEAK	74	PASS
GFSK_DH5	On	2500.0	-54.38	2	0	40.88	AV	54	PASS
π /4DQPSK_2DH5	On	2310.0	-45.32	2	0	49.94	PEAK	74	PASS
π /4DQPSK_2DH5	On	2310.0	-55.07	2	0	40.19	AV	54	PASS
π /4DQPSK_2DH5	On	2390.0	-44.86	2	0	50.40	PEAK	74	PASS
π /4DQPSK_2DH5	On	2390.0	-54.57	2	0	40.68	AV	54	PASS
π /4DQPSK_2DH5	On	2483.5	-44.85	2	0	50.41	PEAK	74	PASS
π /4DQPSK_2DH5	On	2483.5	-54.09	2	0	41.16	AV	54	PASS
π /4DQPSK_2DH5	On	2500.0	-43.85	2	0	51.41	PEAK	74	PASS
π /4DQPSK_2DH5	On	2500.0	-54.30	2	0	40.95	AV	54	PASS
8DPSK_3DH5	On	2310.0	-45.40	2	0	49.85	PEAK	74	PASS
8DPSK_3DH5	On	2310.0	-54.99	2	0	40.27	AV	54	PASS
8DPSK_3DH5	On	2390.0	-45.29	2	0	49.97	PEAK	74	PASS
8DPSK_3DH5	On	2390.0	-54.71	2	0	40.55	AV	54	PASS
8DPSK_3DH5	On	2483.5	-44.64	2	0	50.62	PEAK	74	PASS
8DPSK_3DH5	On	2483.5	-54.16	2	0	41.10	AV	54	PASS
8DPSK_3DH5	On	2500.0	-44.72	2	0	50.54	PEAK	74	PASS
8DPSK_3DH5	On	2500.0	-54.30	2	0	40.96	AV	54	PASS

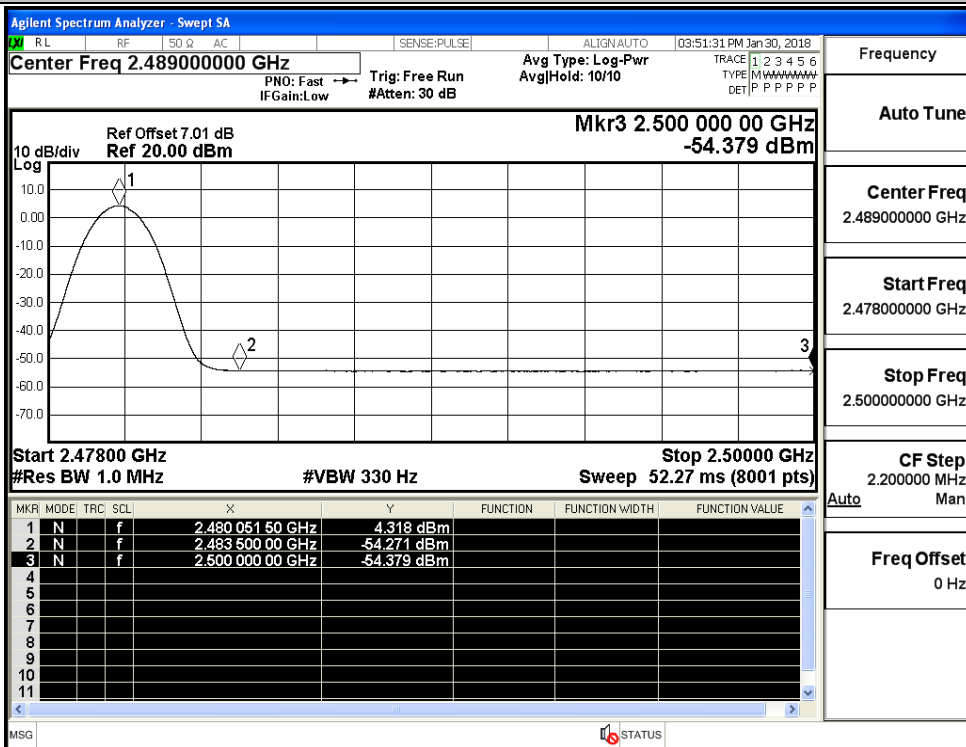
Test Graph



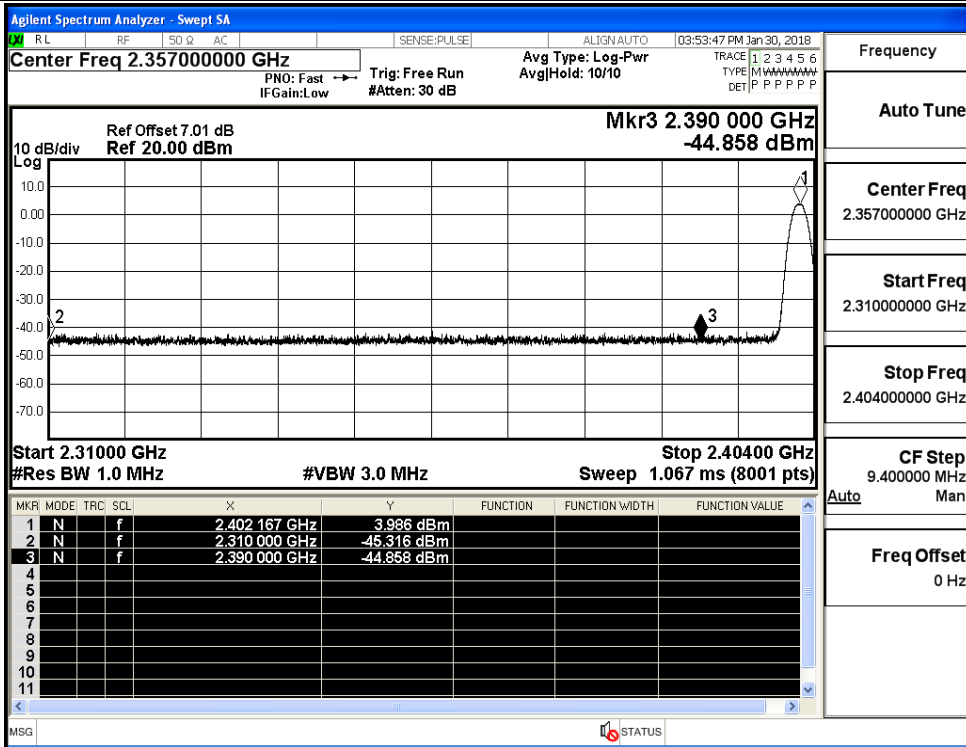
Restrict-band band-edge measurements_2480_PEAK_DH5



Restrict-band band-edge measurements_2480_AV_DH5

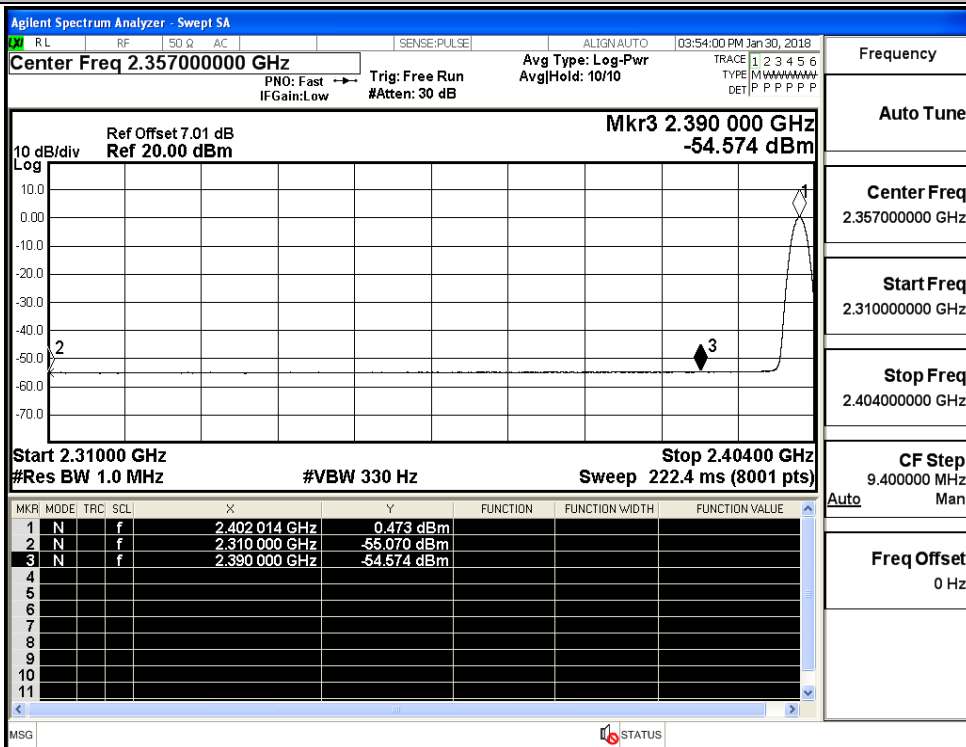


Restrict-band band-edge measurements_2402_PEAK_2DH5



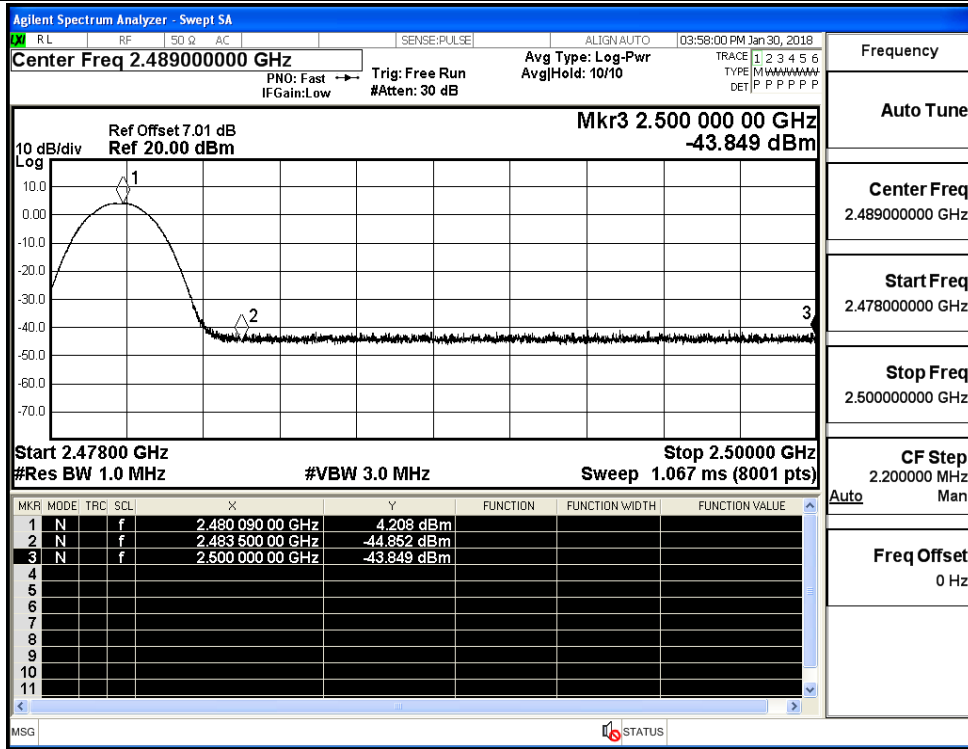
Frequency
Auto Tune
Center Freq 2.357000000 GHz
Start Freq 2.310000000 GHz
Stop Freq 2.404000000 GHz
CF Step 9.400000 MHz
Auto Man
Freq Offset 0 Hz

Restrict-band band-edge measurements_2402_AV_2DH5

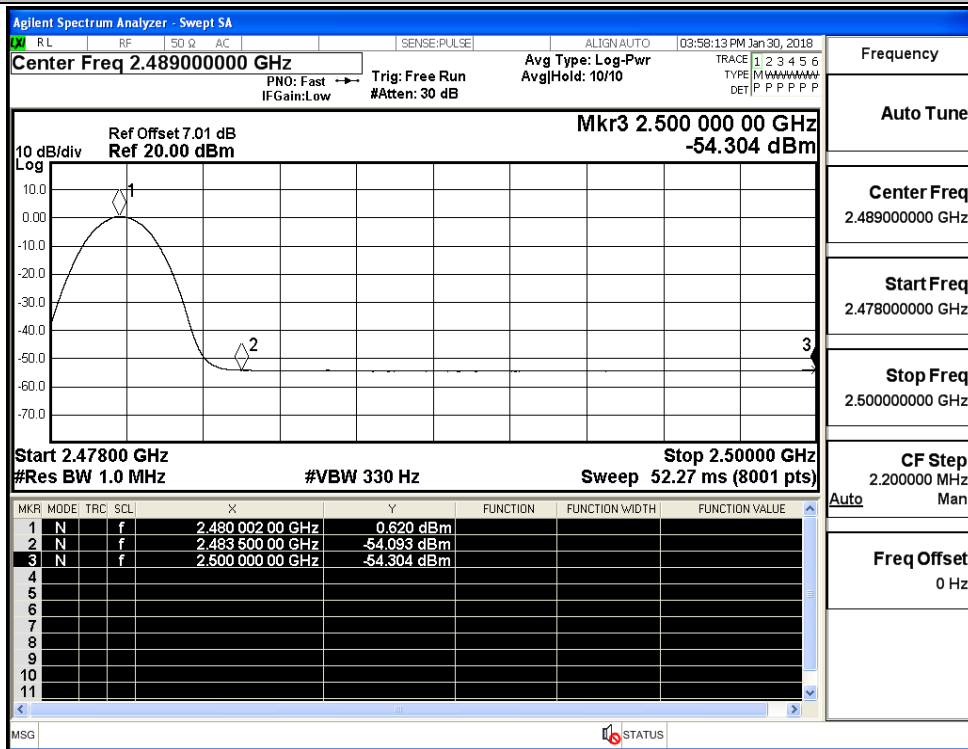


Frequency
Auto Tune
Center Freq 2.357000000 GHz
Start Freq 2.310000000 GHz
Stop Freq 2.404000000 GHz
CF Step 9.400000 MHz
Auto Man
Freq Offset 0 Hz

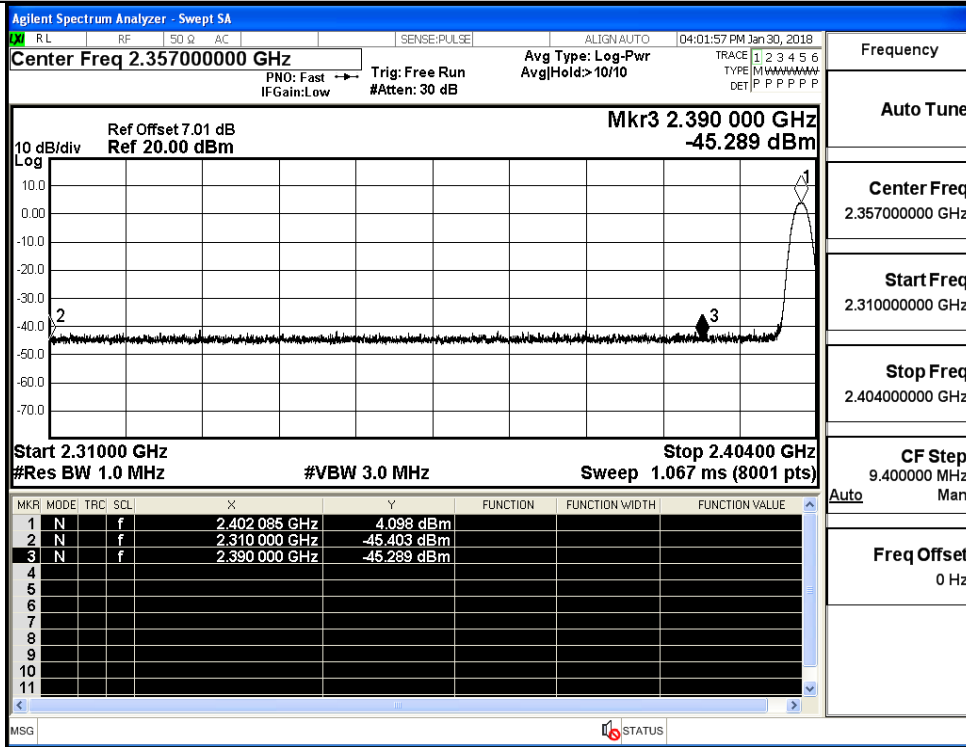
Restrict-band band-edge measurements_2480_PEAK_2DH5



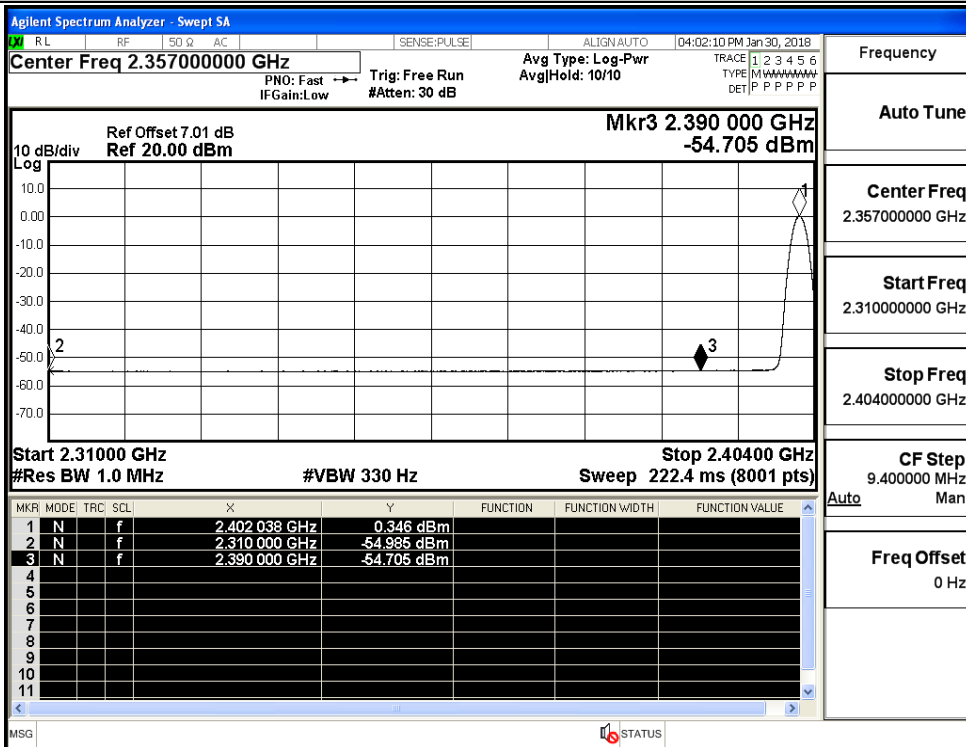
Restrict-band band-edge measurements_2480_AV_2DH5



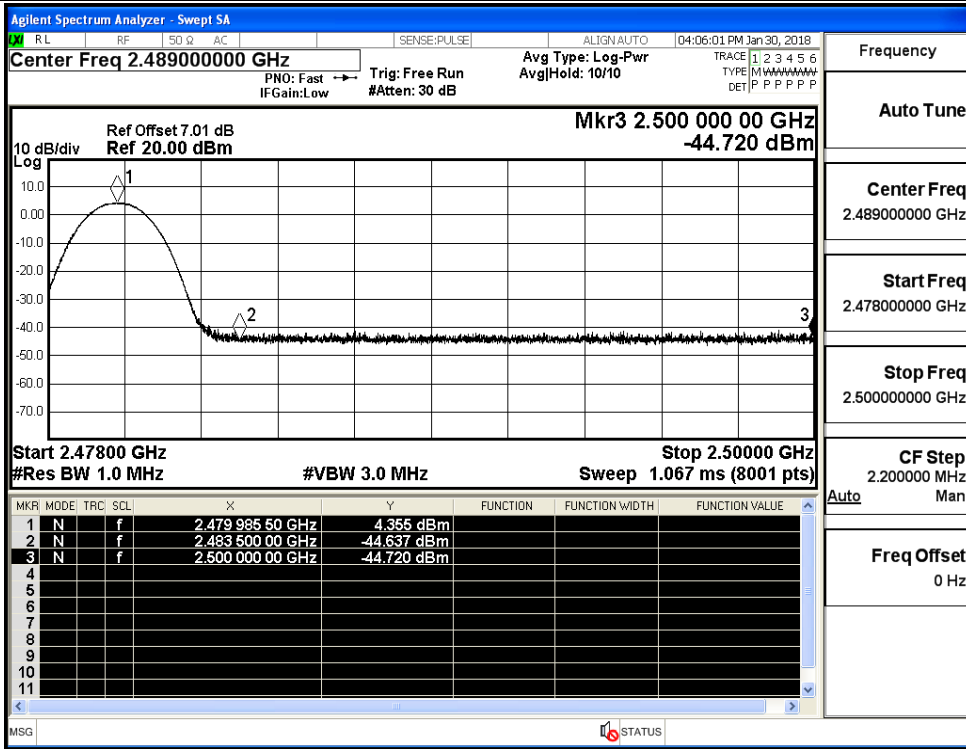
Restrict-band band-edge measurements_2402_PEAK_3DH5



Restrict-band band-edge measurements_2402_AV_3DH5

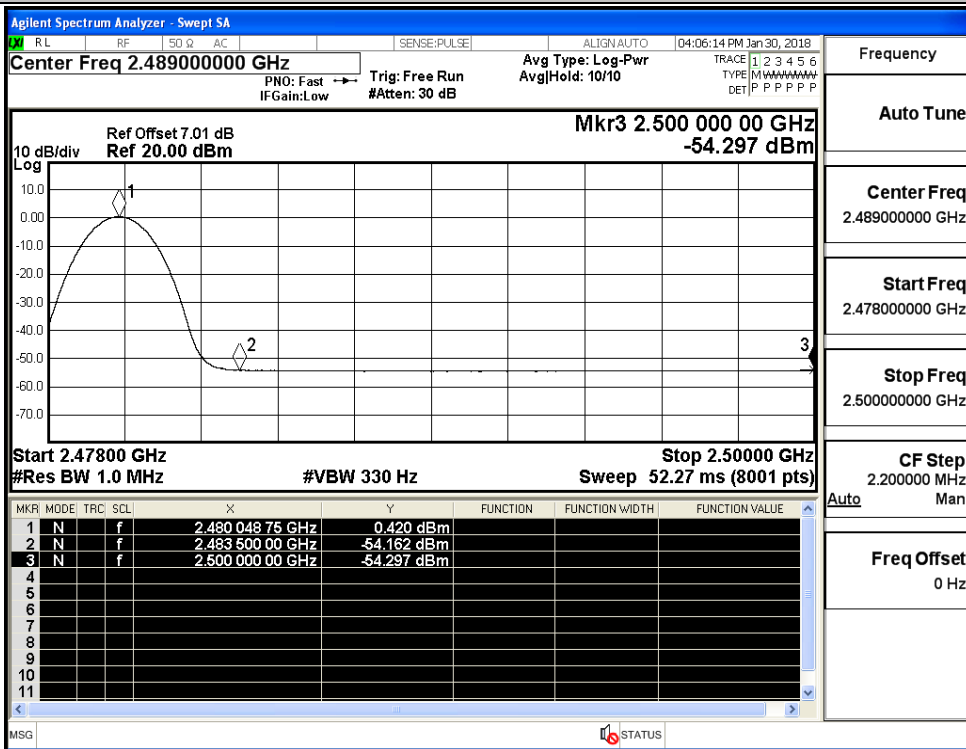


Restrict-band band-edge measurements_2480_PEAK_3DH5



Frequency	
Auto Tune	
Center Freq	2.489000000 GHz
Start Freq	2.478000000 GHz
Stop Freq	2.500000000 GHz
CF Step	2.200000 MHz
Auto	Man
Freq Offset	0 Hz

Restrict-band band-edge measurements_2480_AV_3DH5



Frequency	
Auto Tune	
Center Freq	2.489000000 GHz
Start Freq	2.478000000 GHz
Stop Freq	2.500000000 GHz
CF Step	2.200000 MHz
Auto	Man
Freq Offset	0 Hz