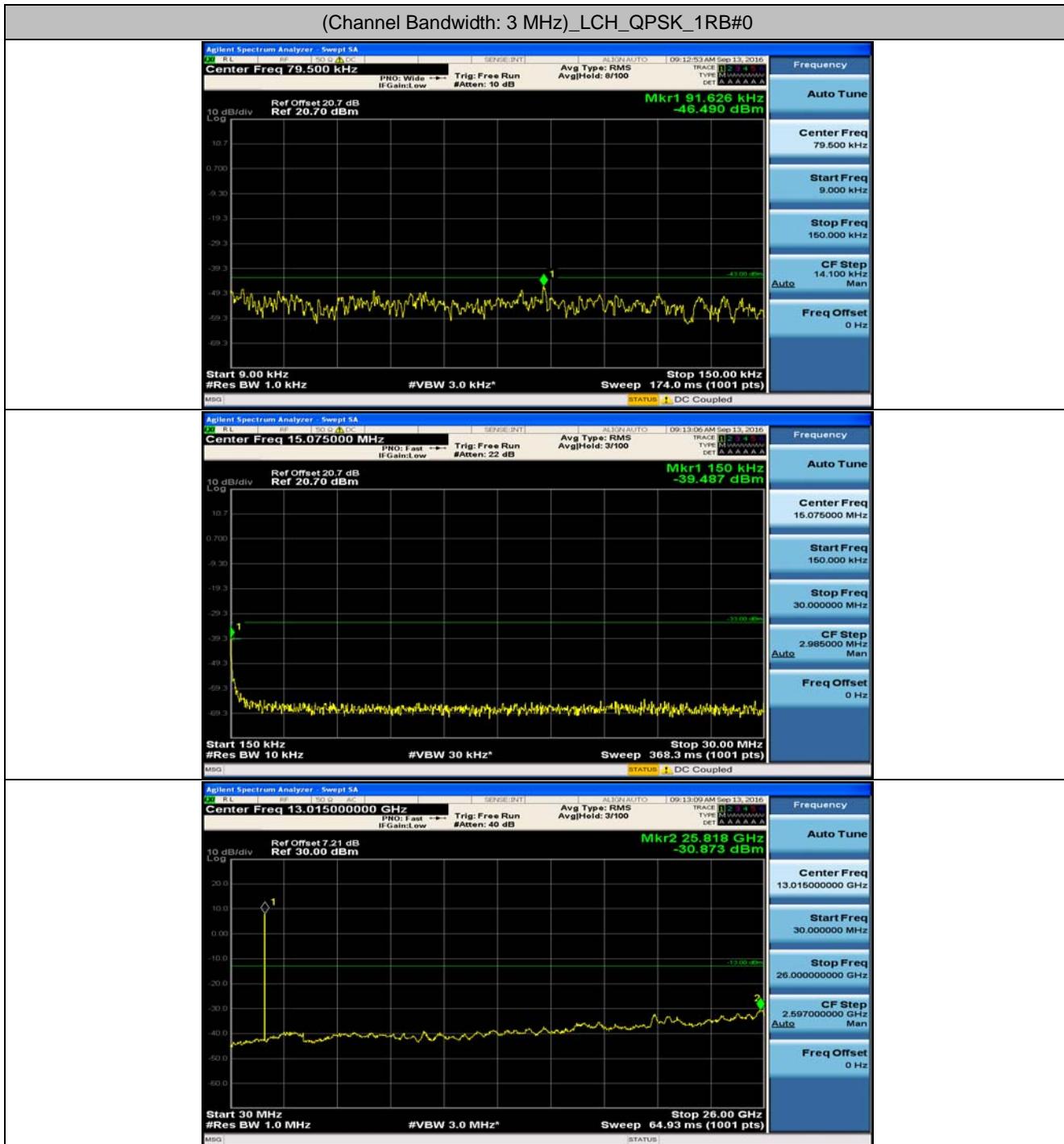
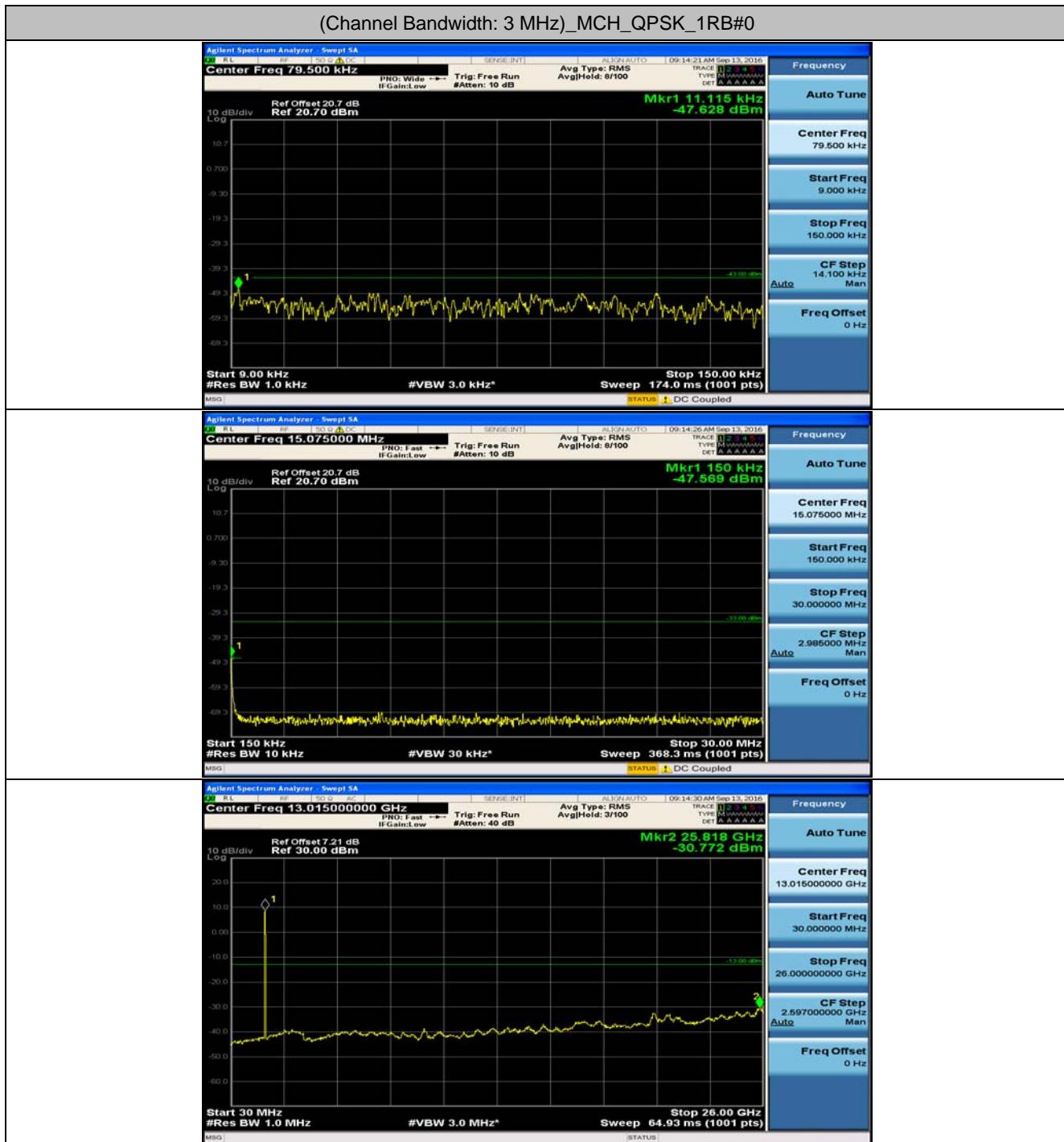
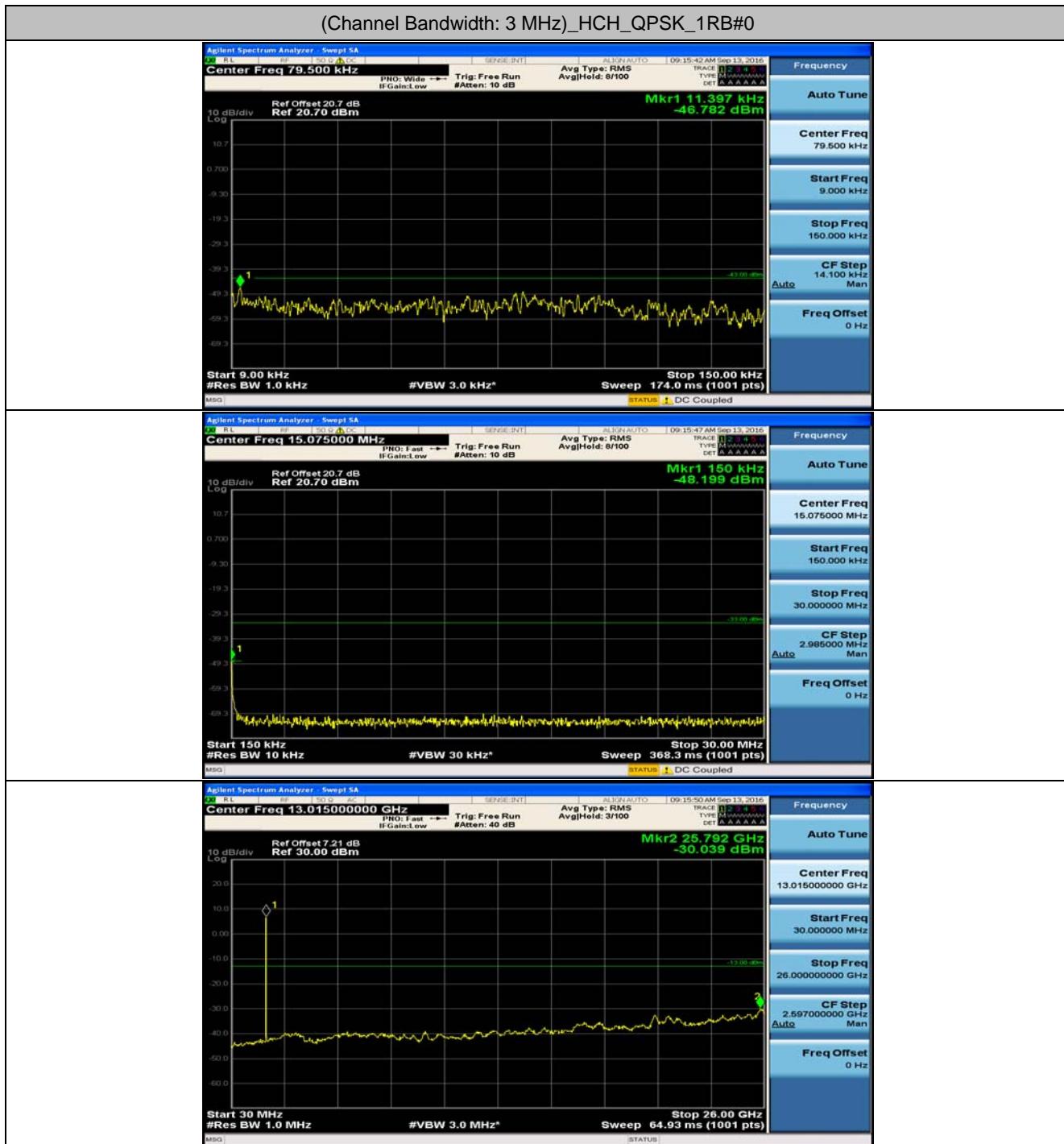
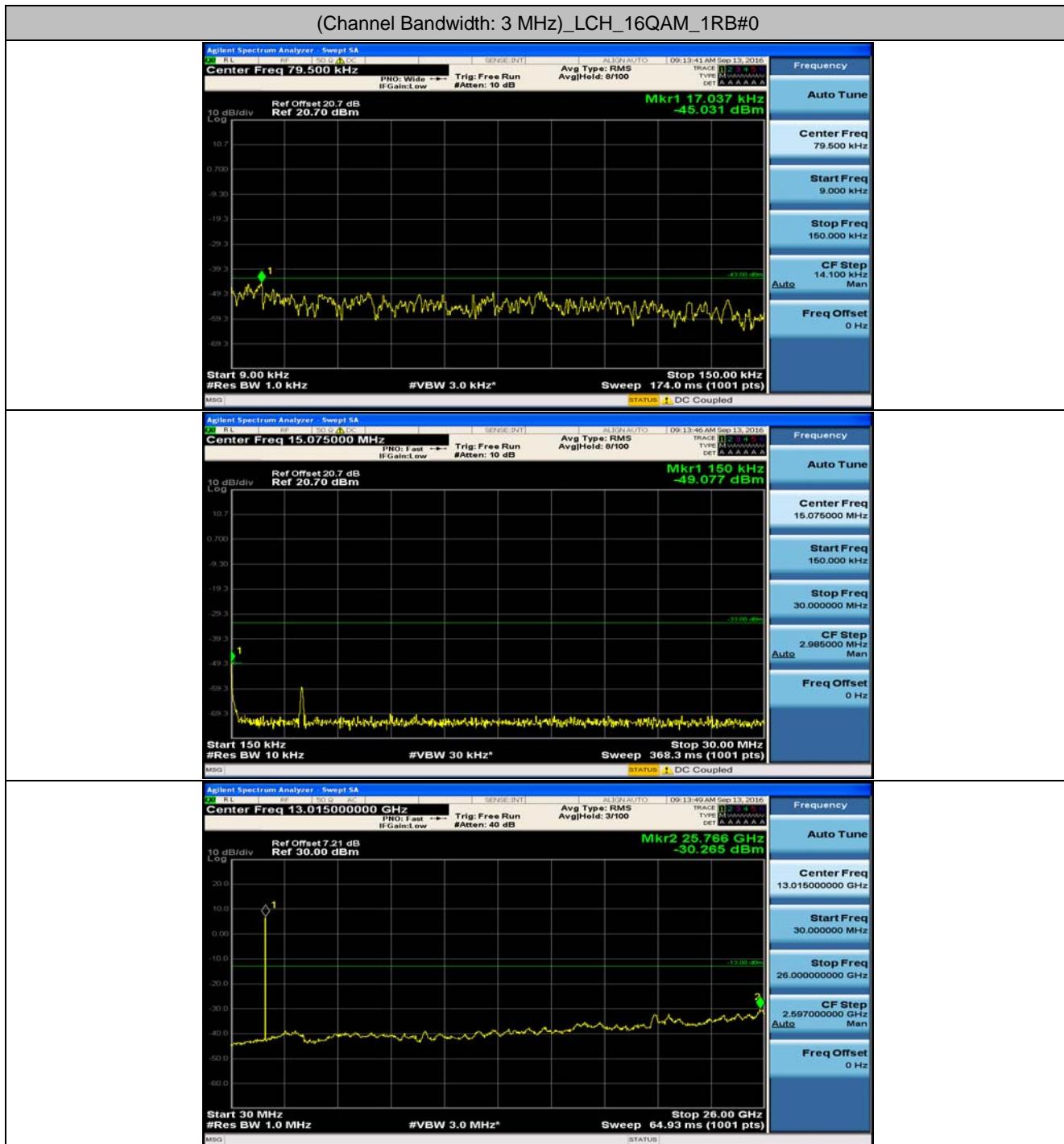


## Channel Bandwidth: 3 MHz

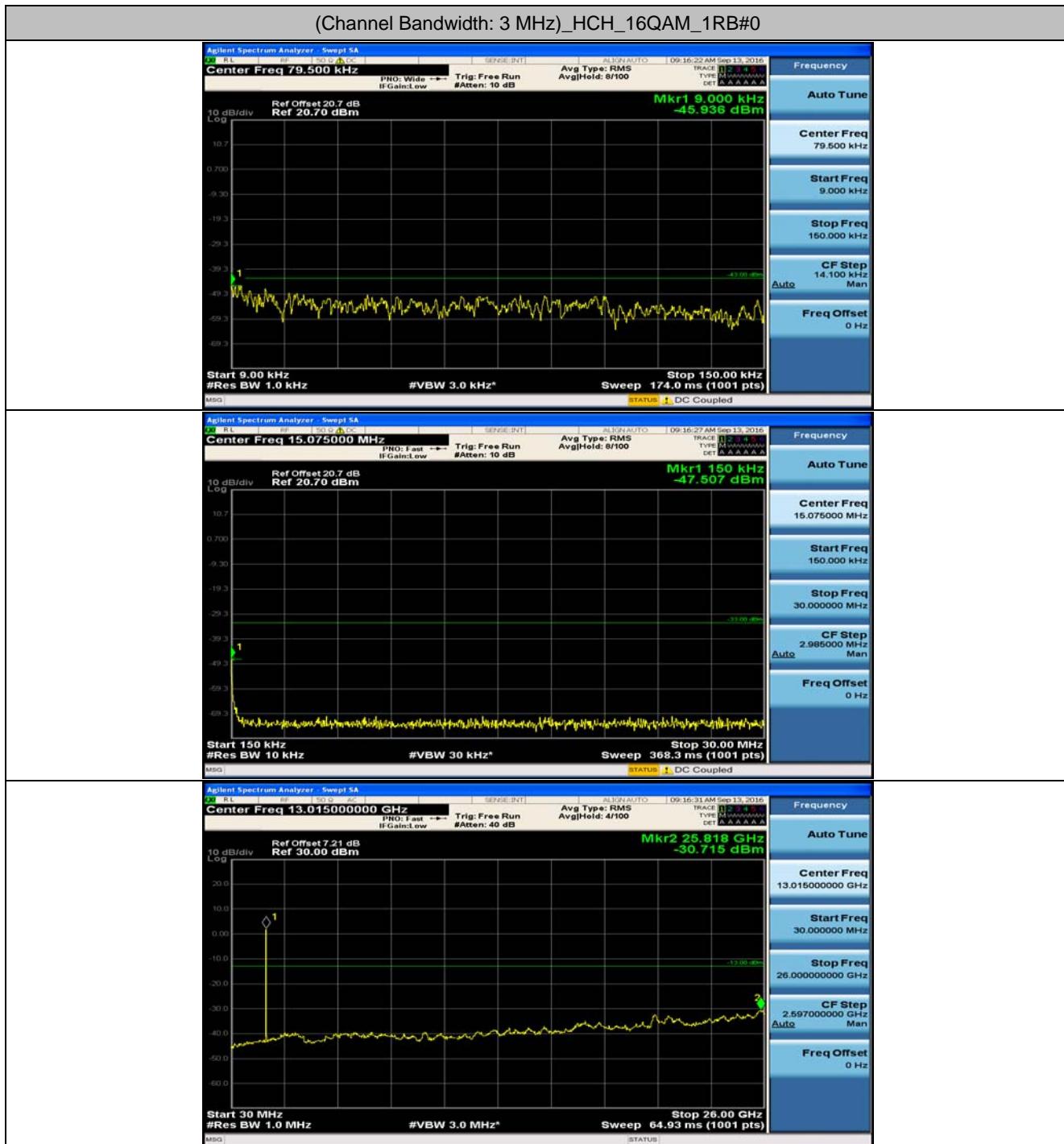




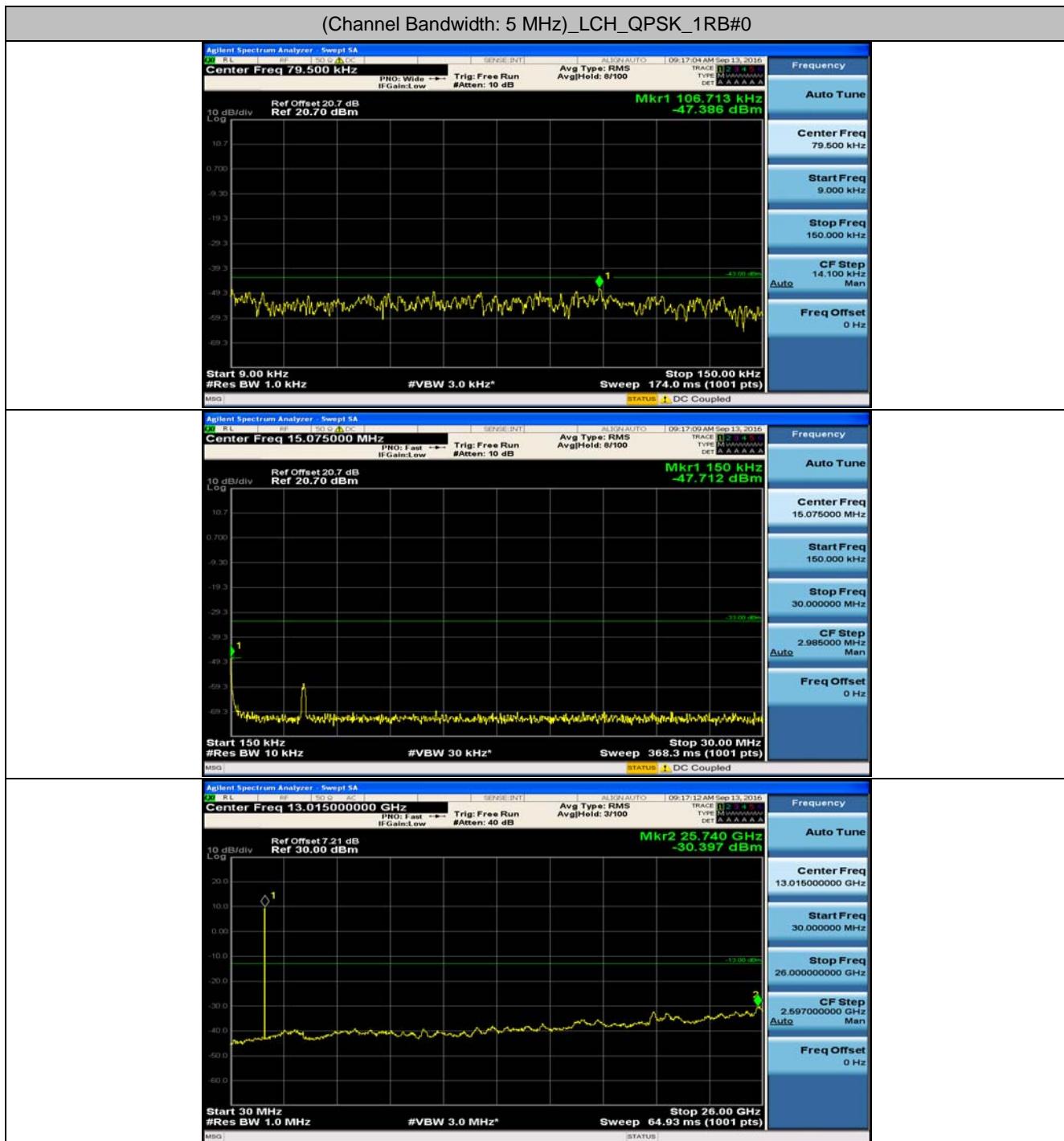


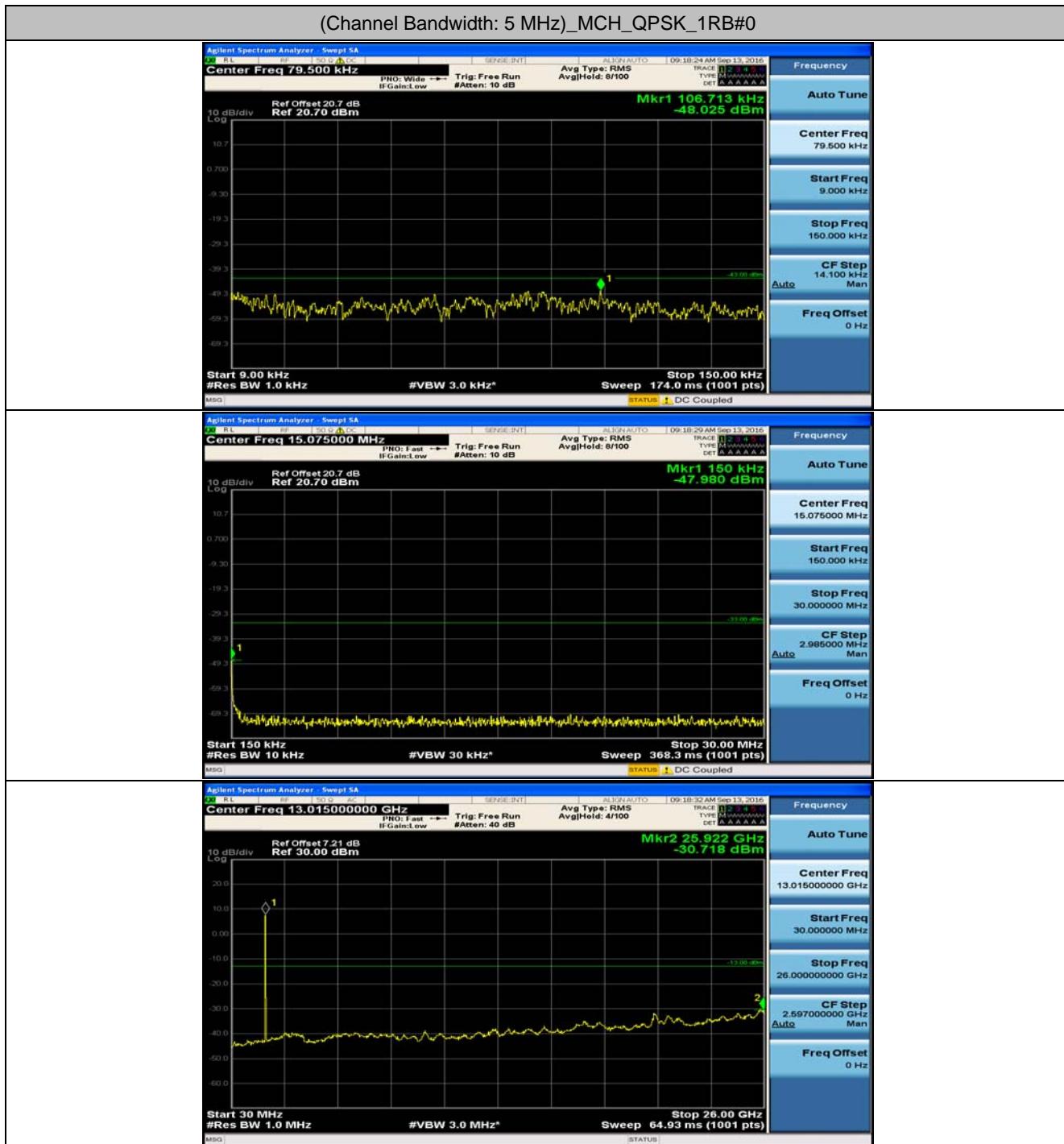


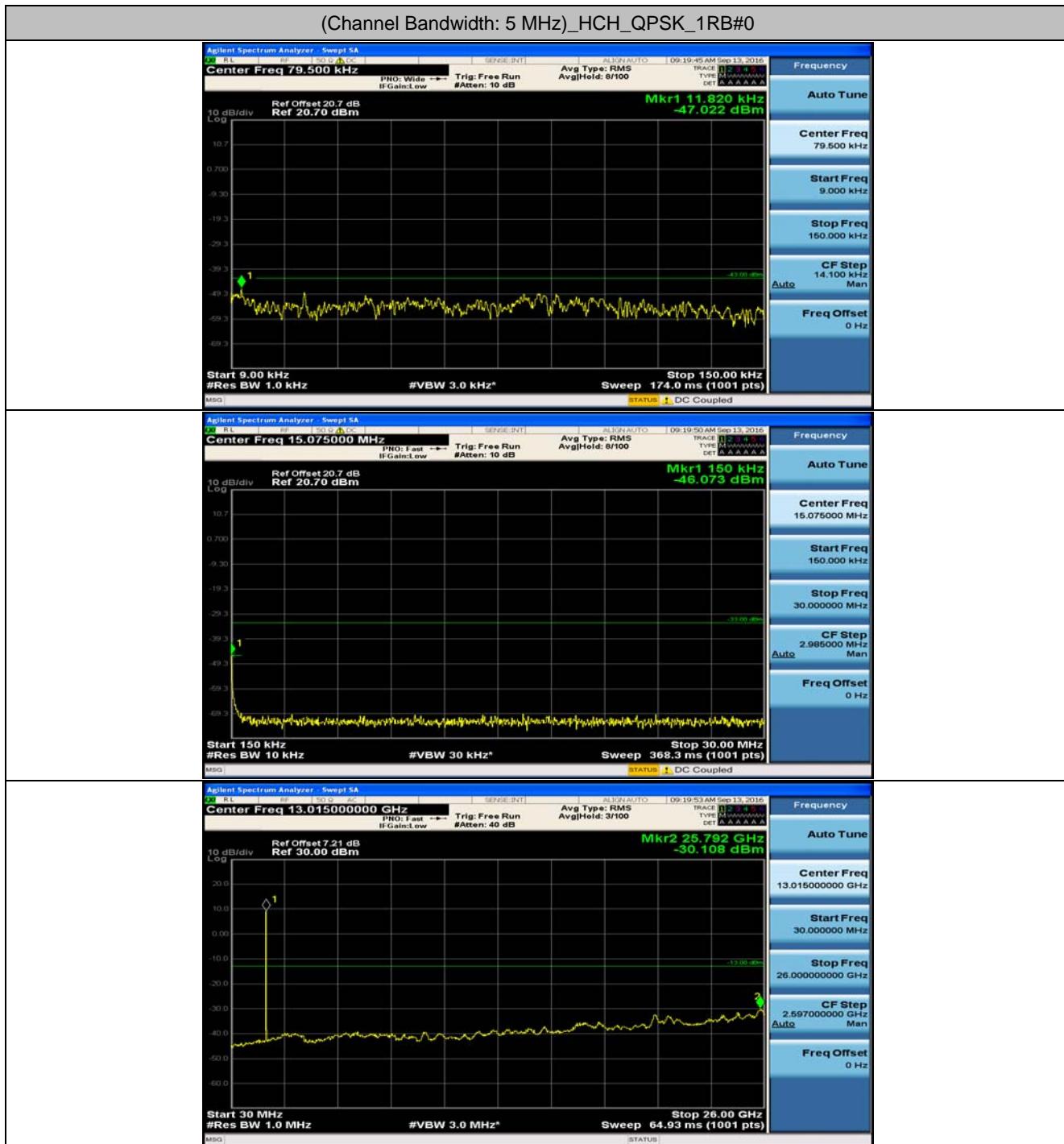


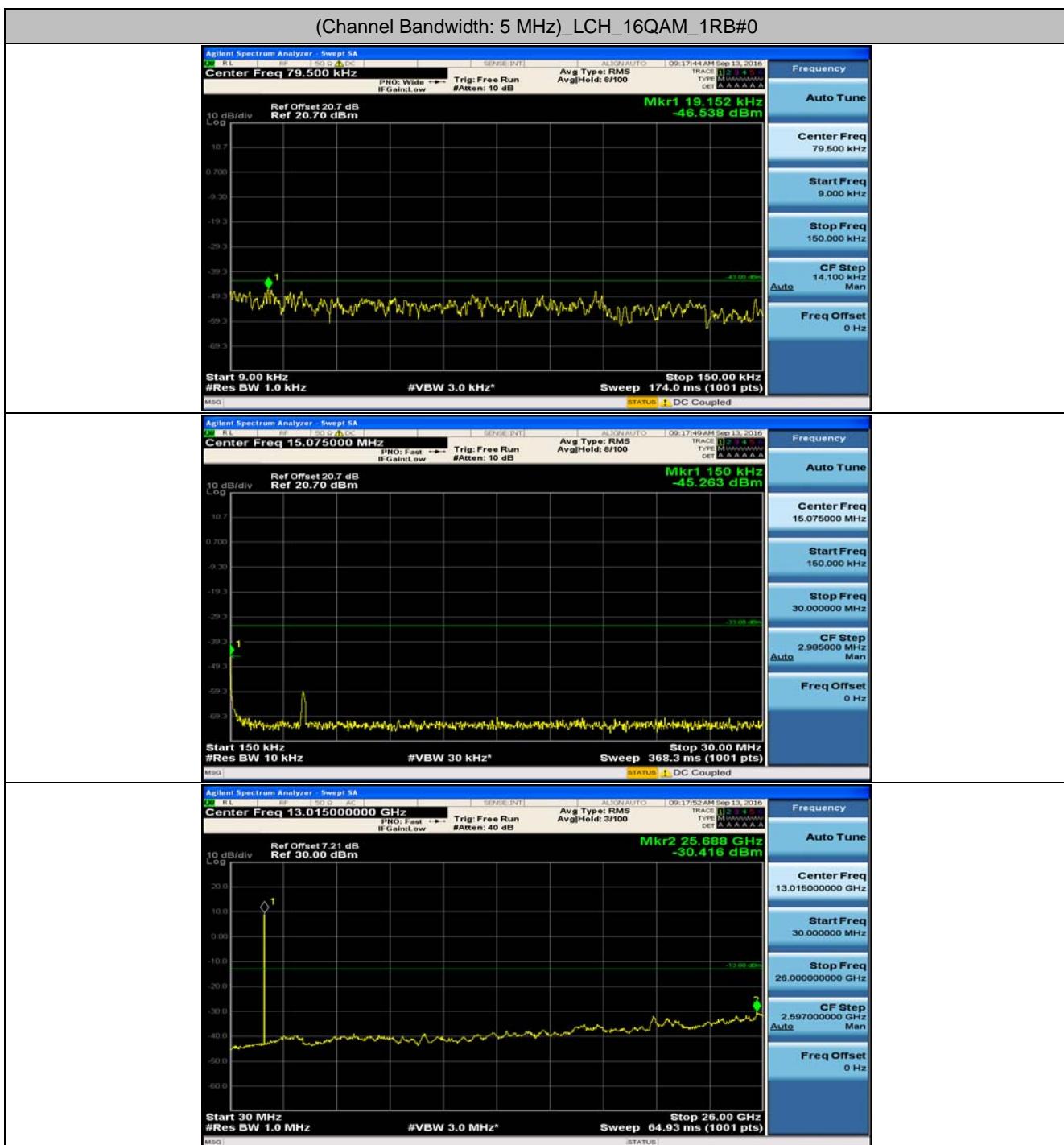


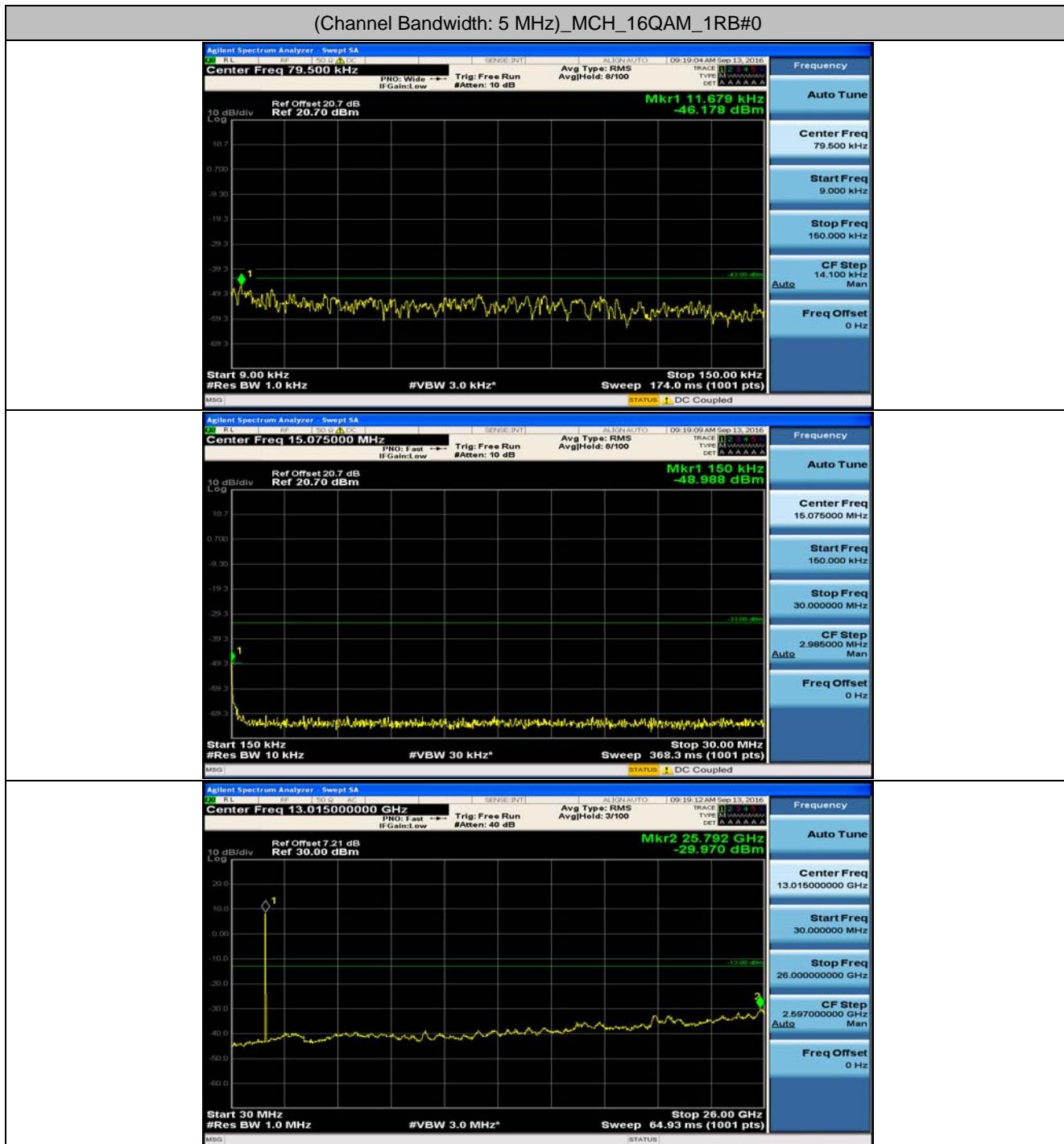
## Channel Bandwidth: 5 MHz

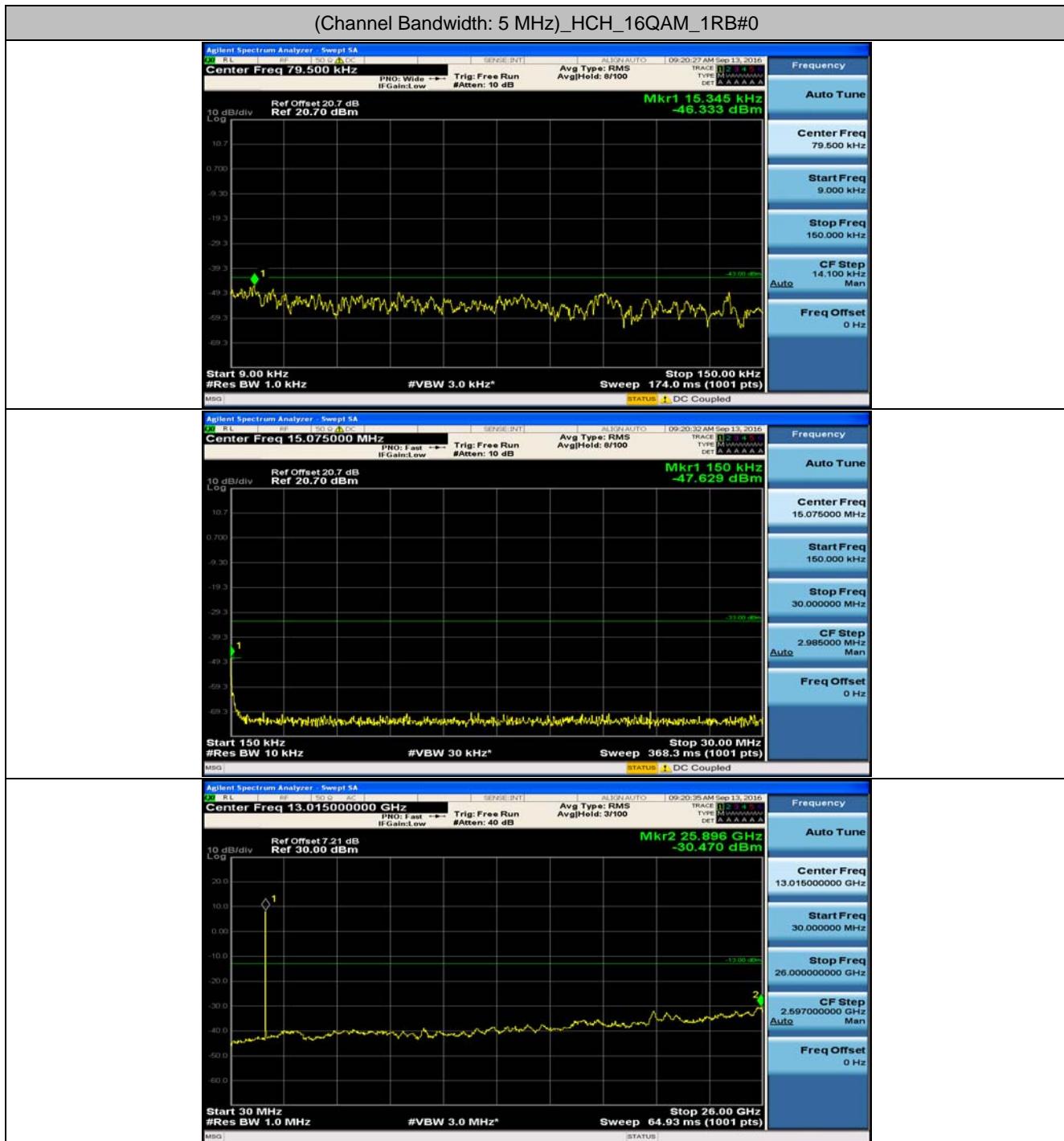




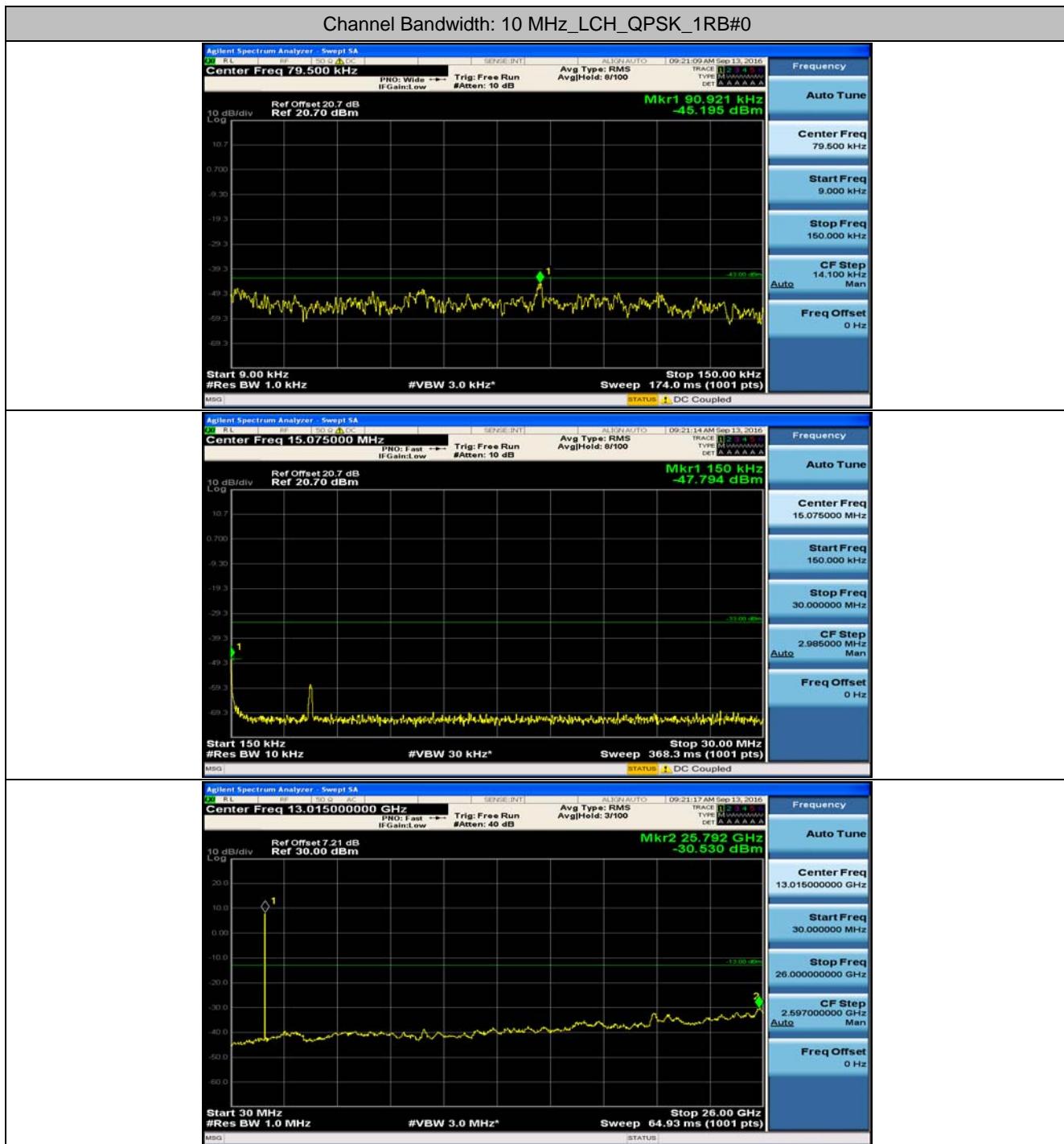


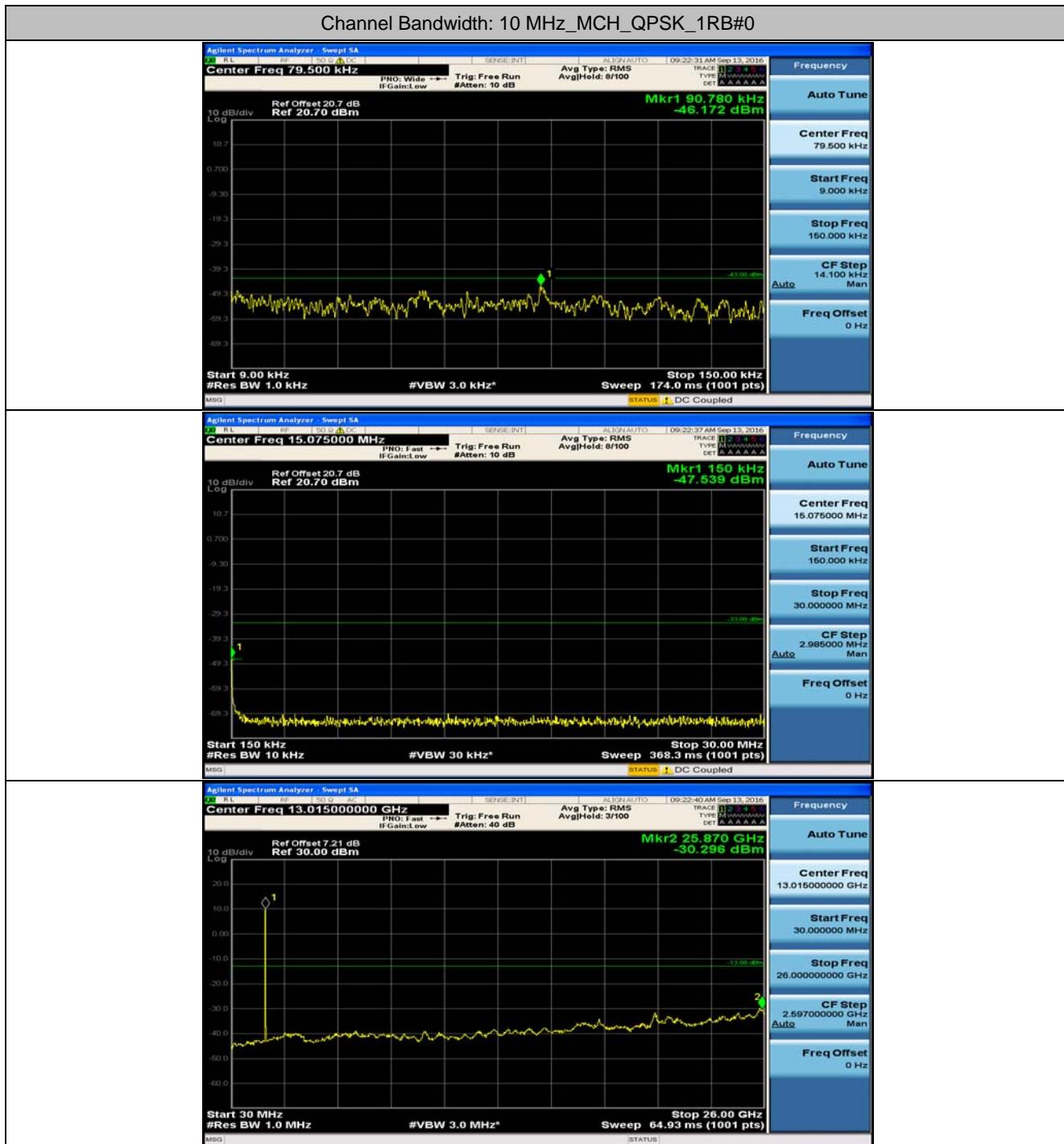


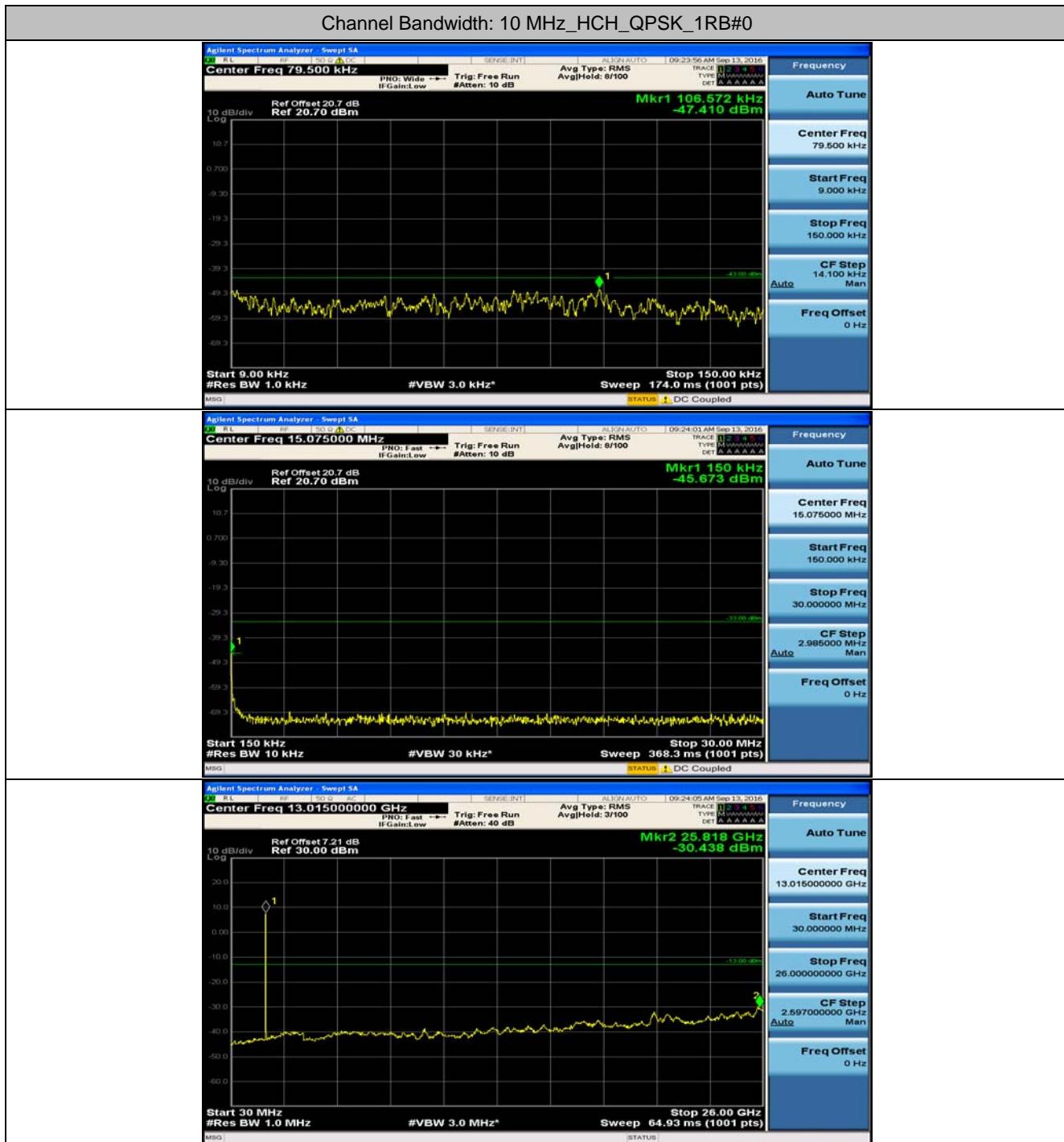


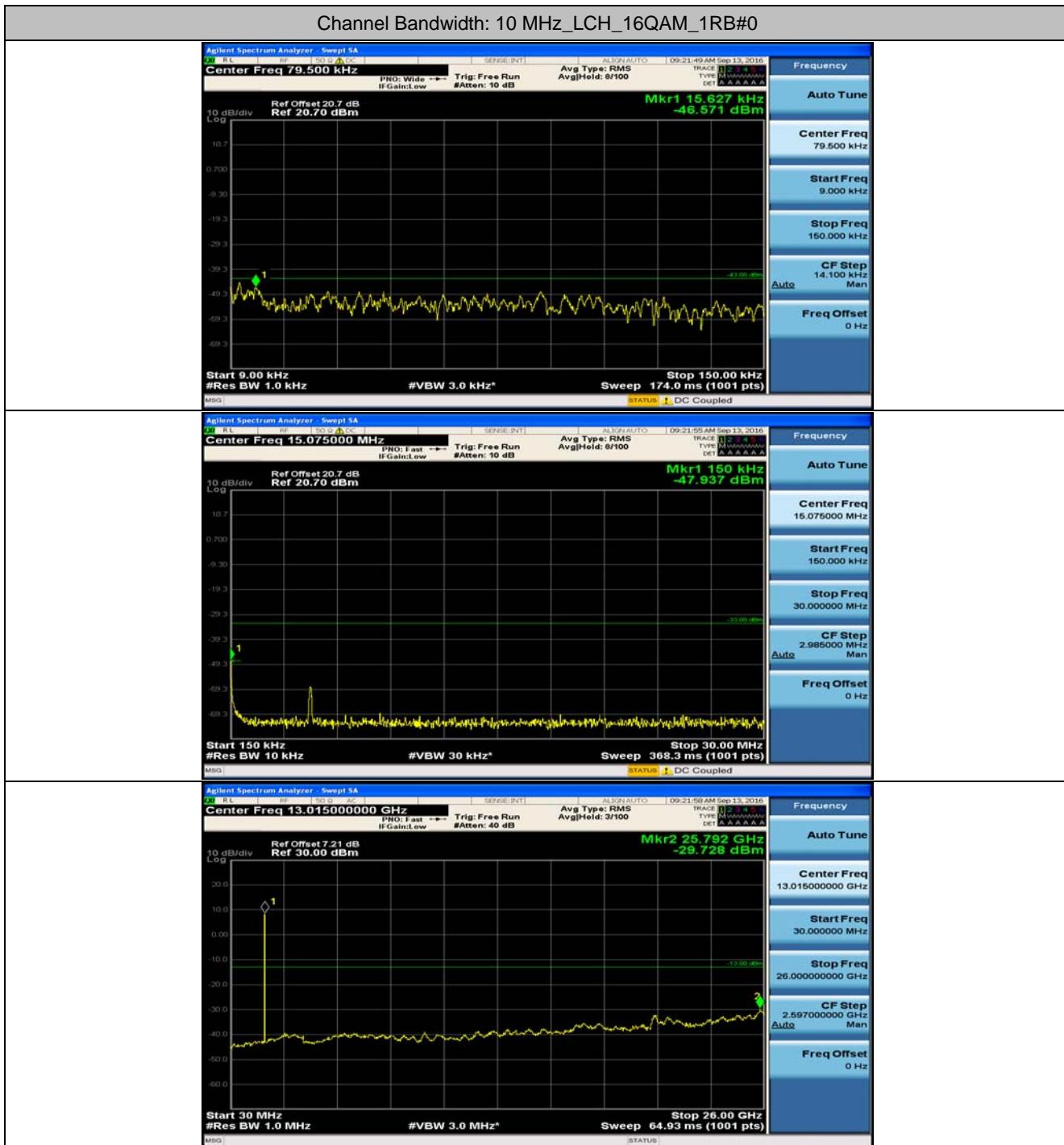


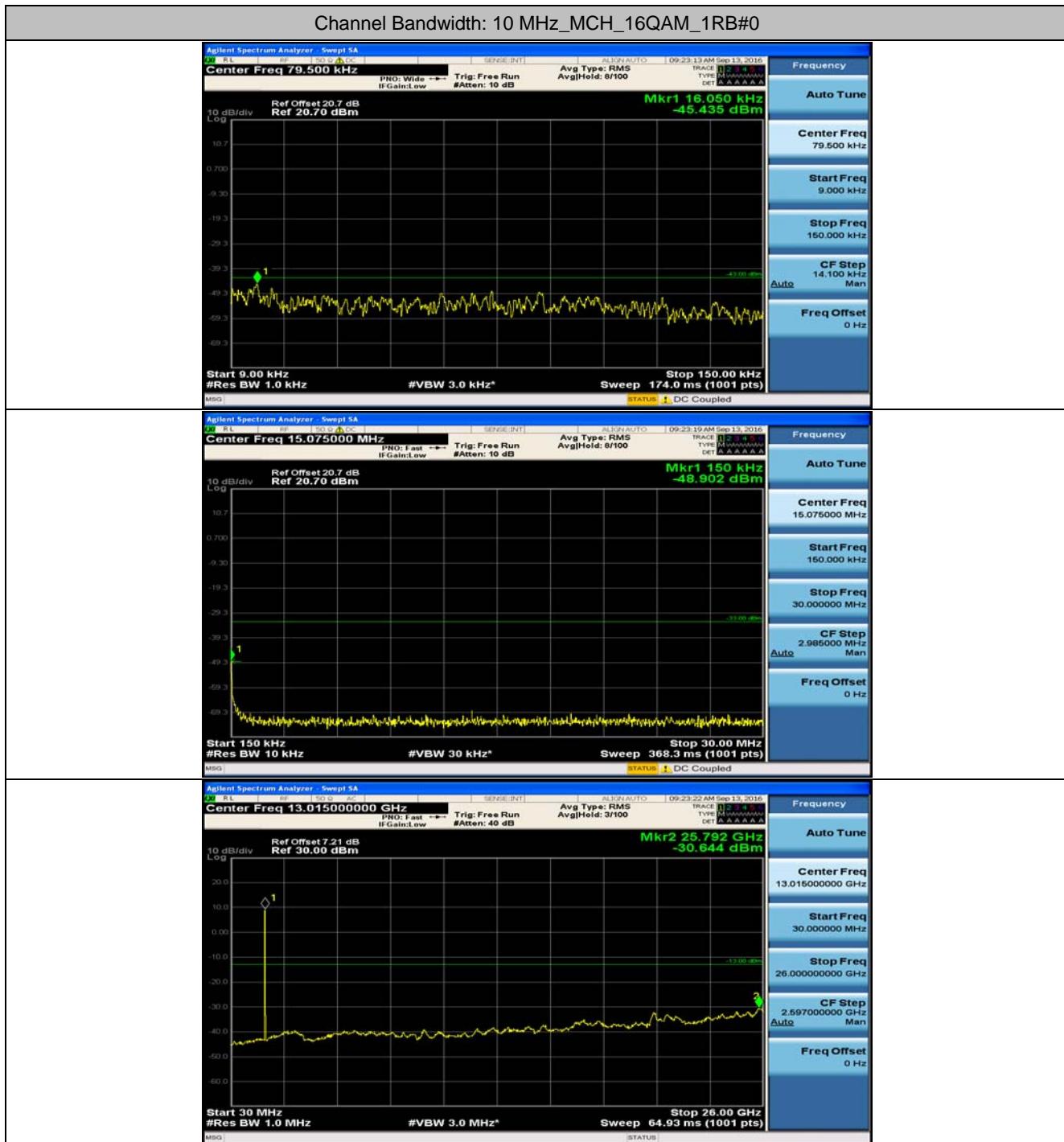
## Channel Bandwidth: 10 MHz

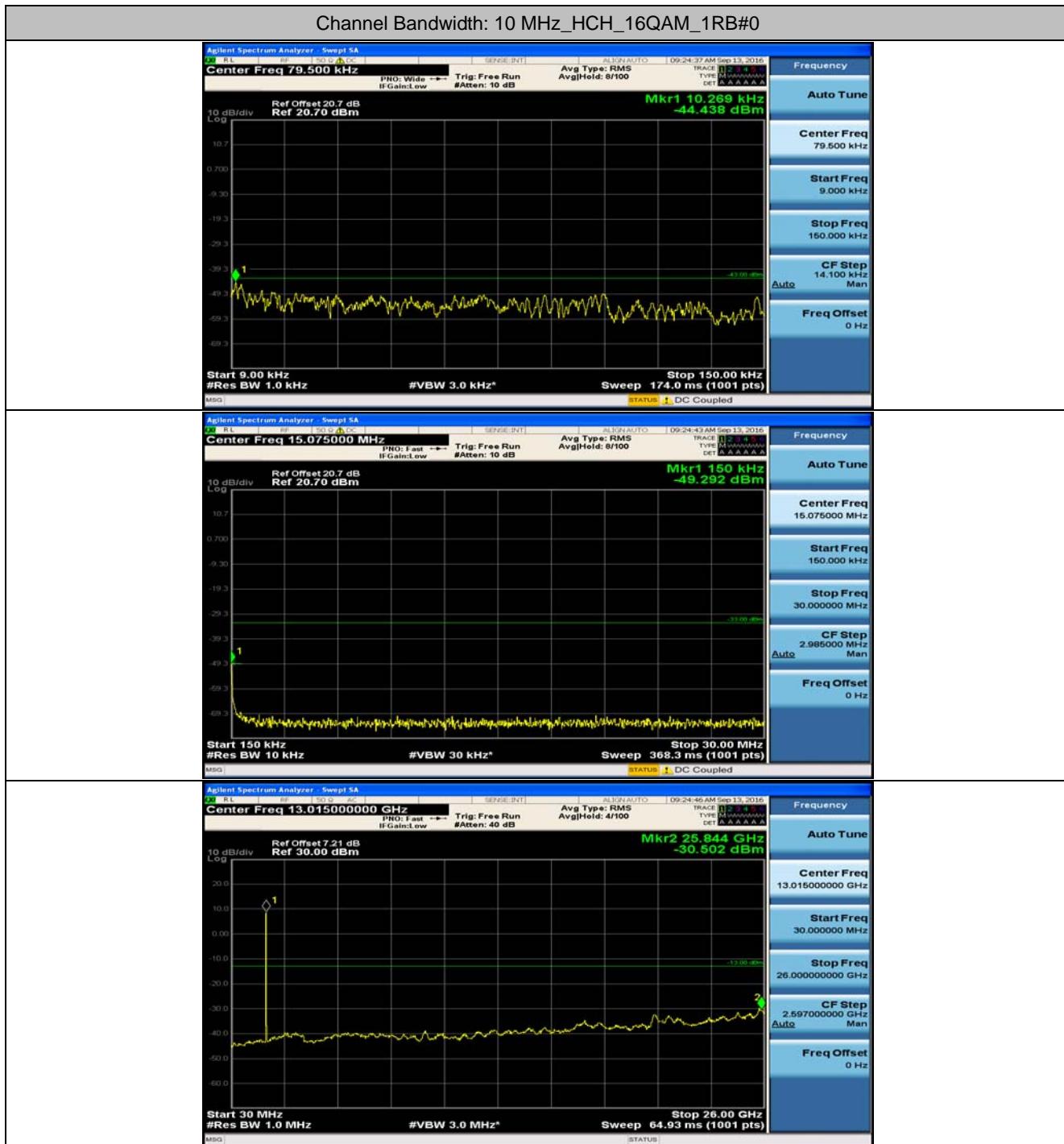




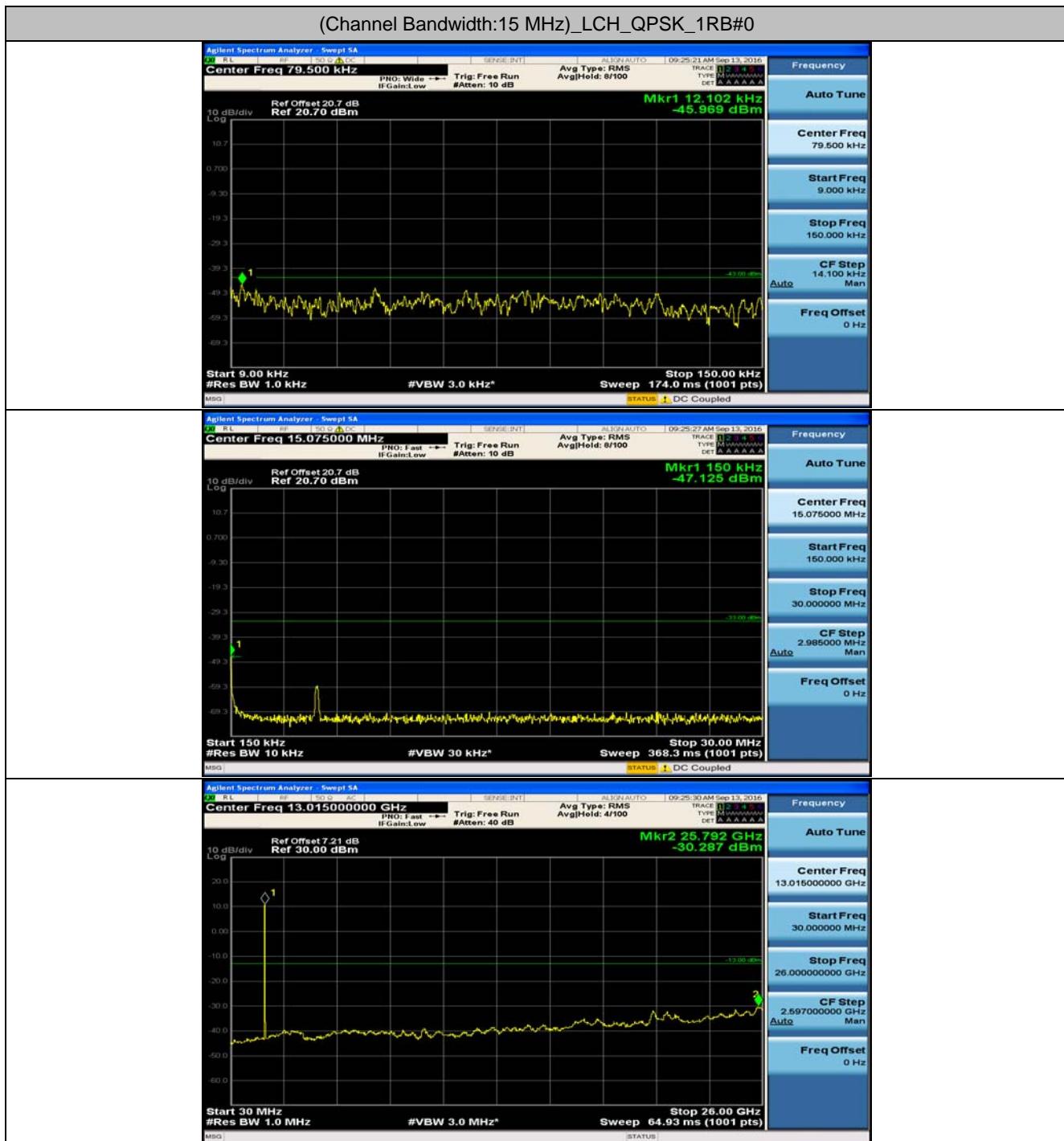


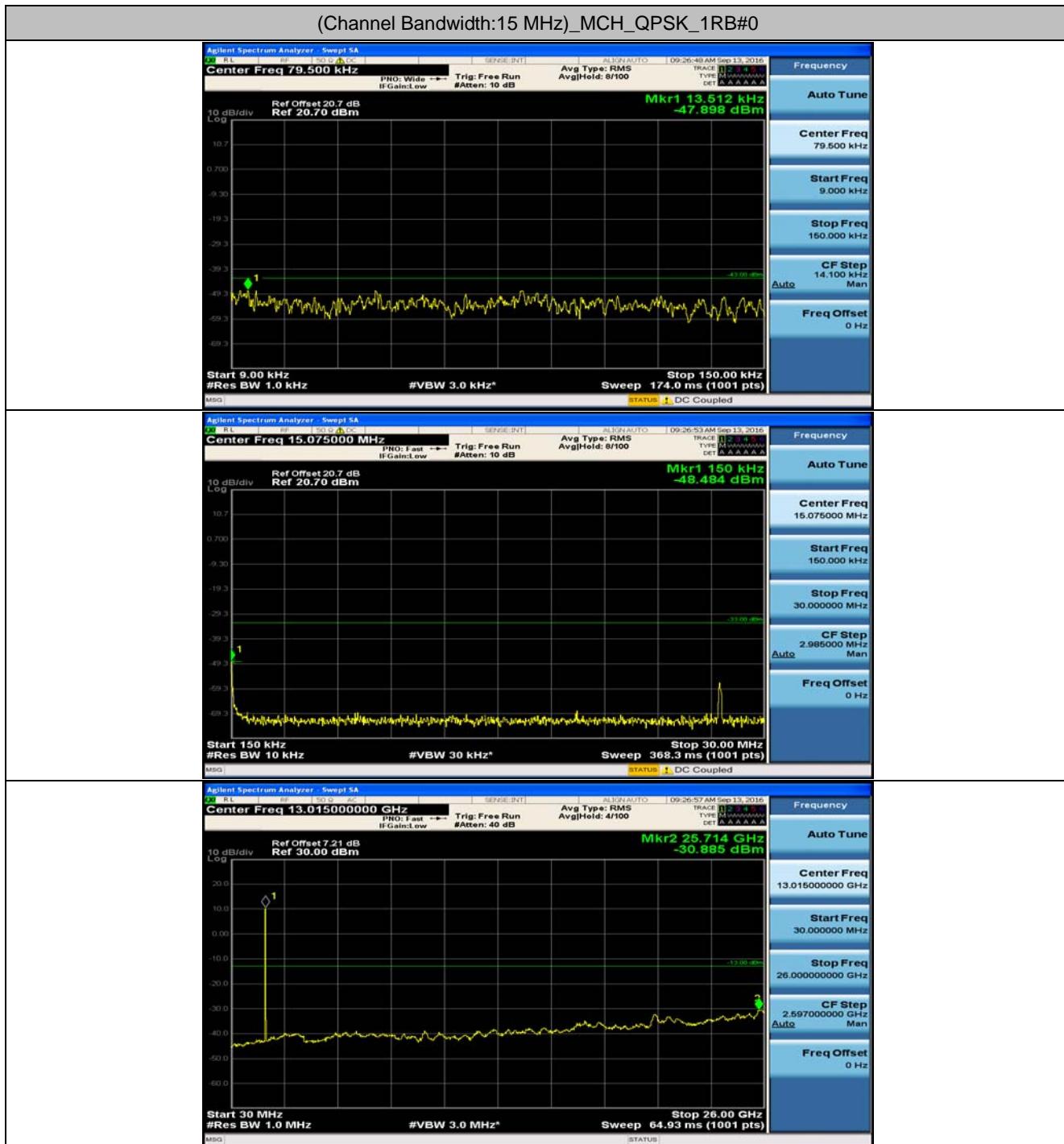


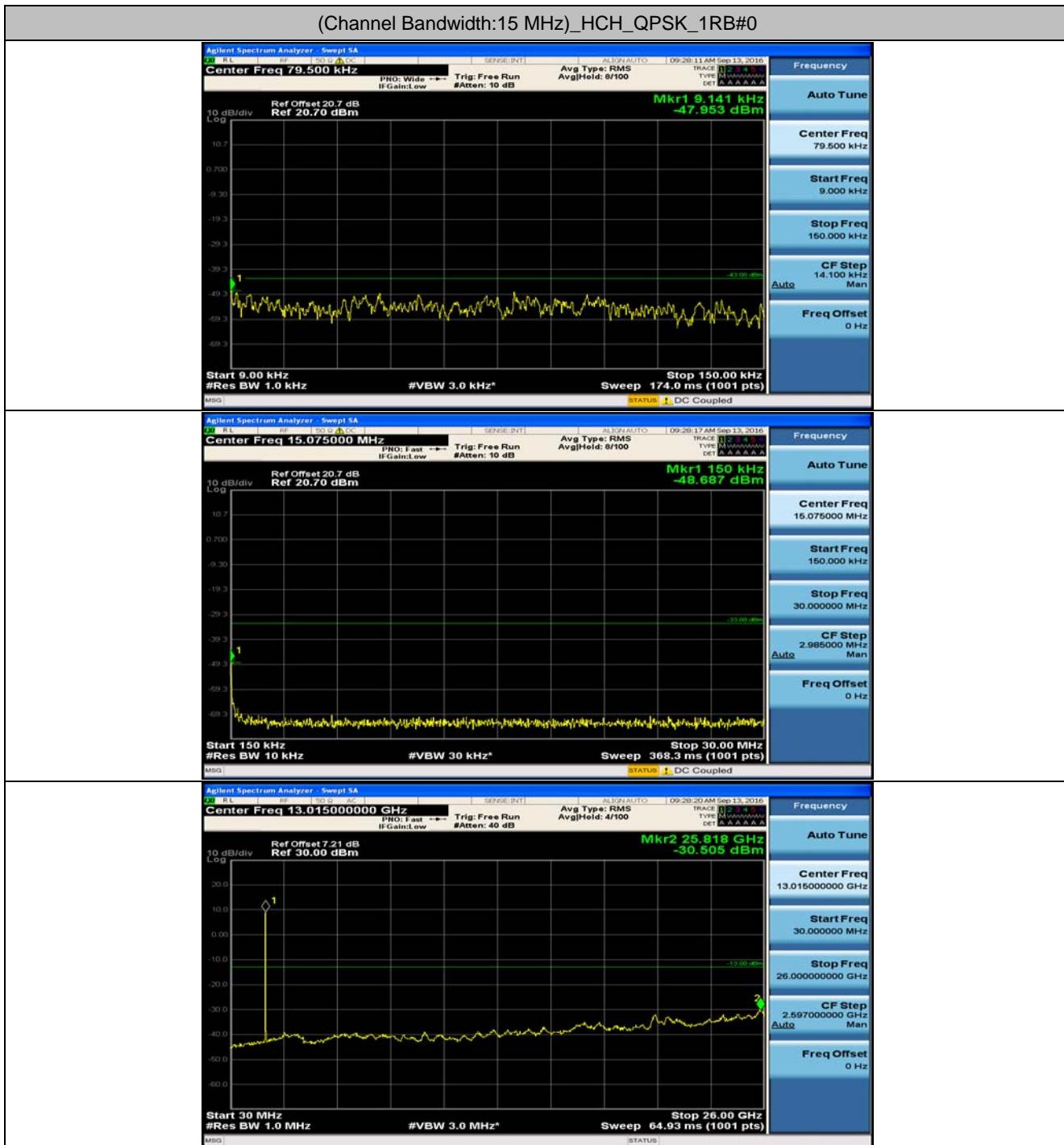


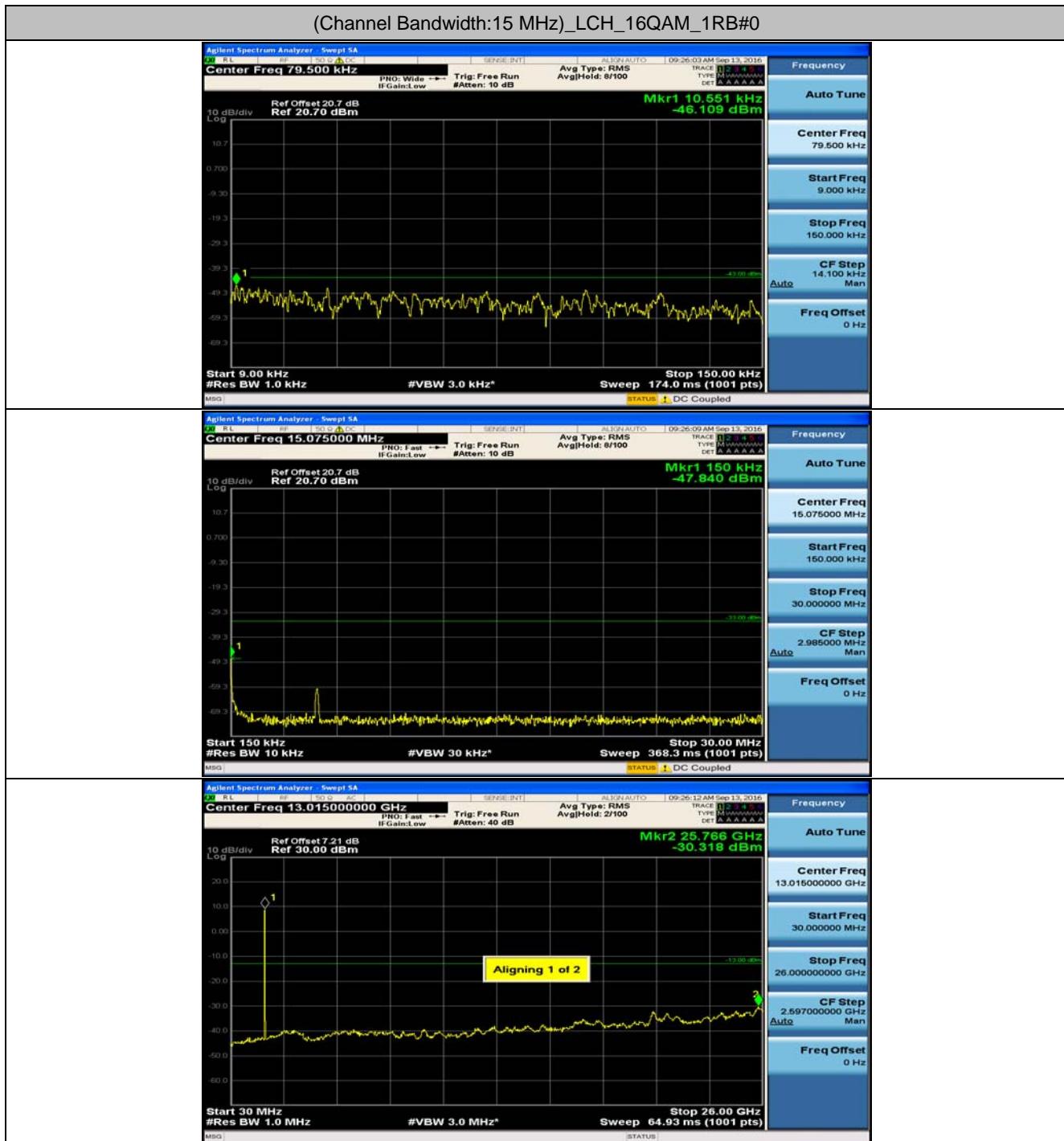


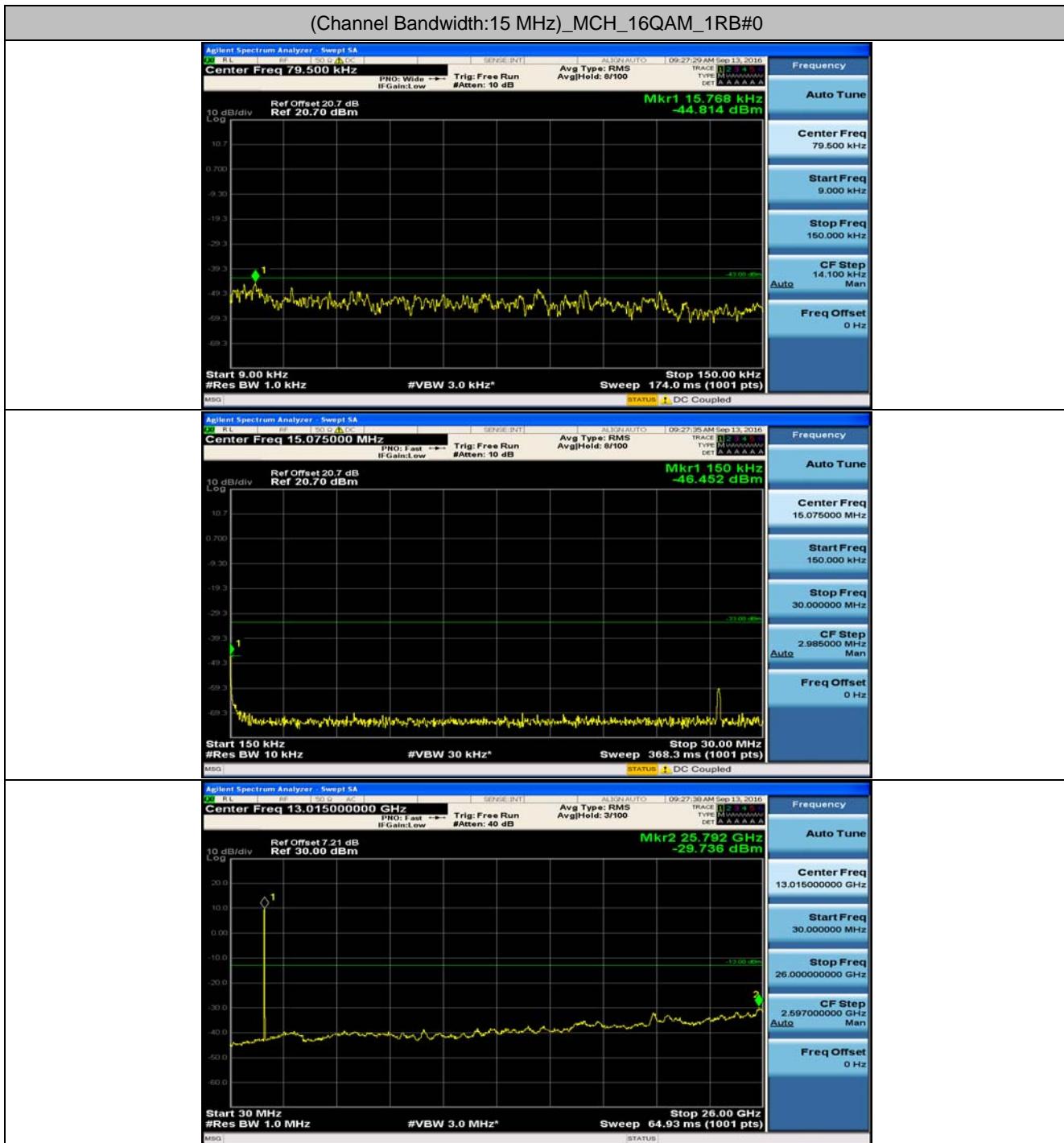
## Channel Bandwidth: 15 MHz

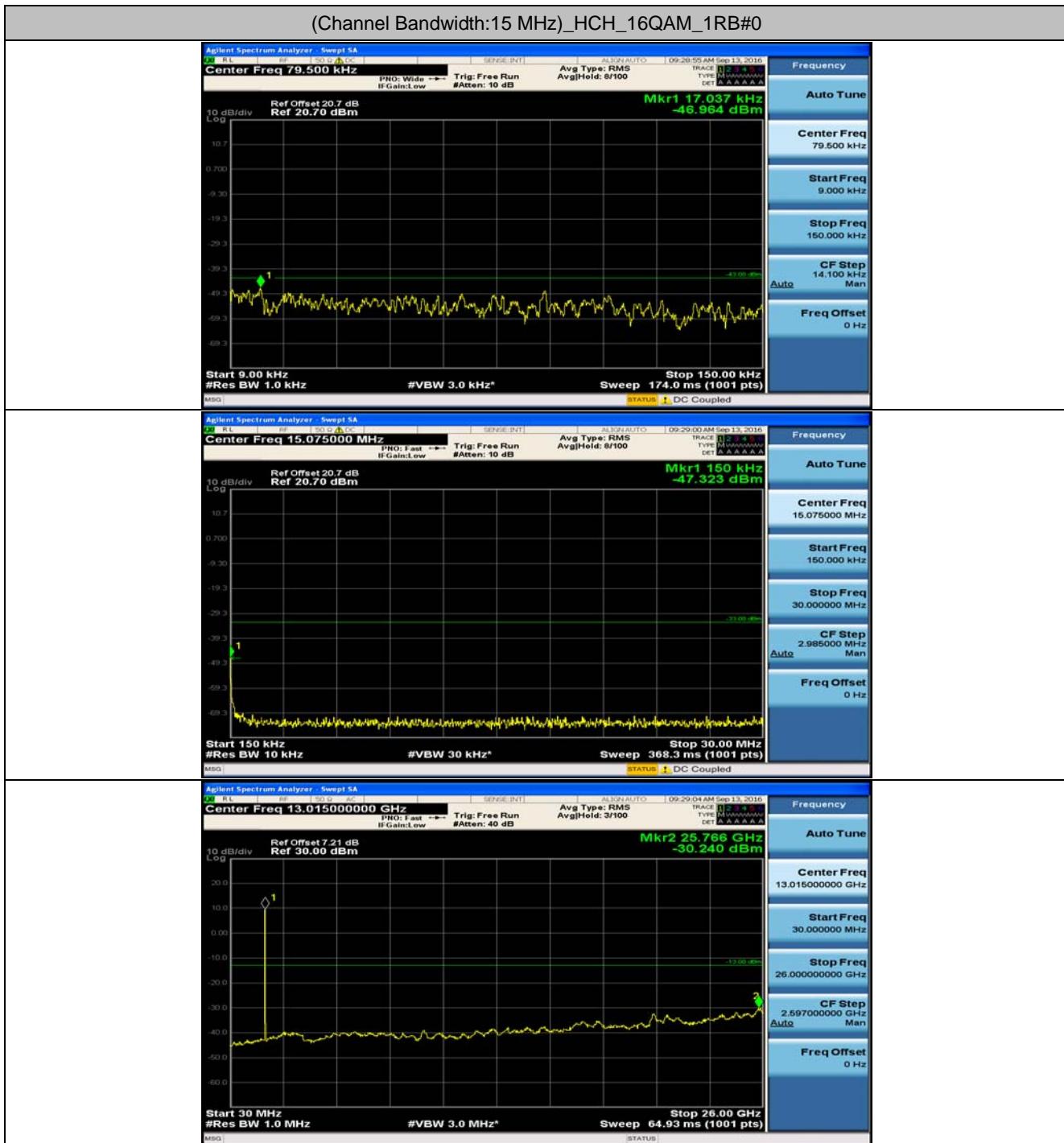




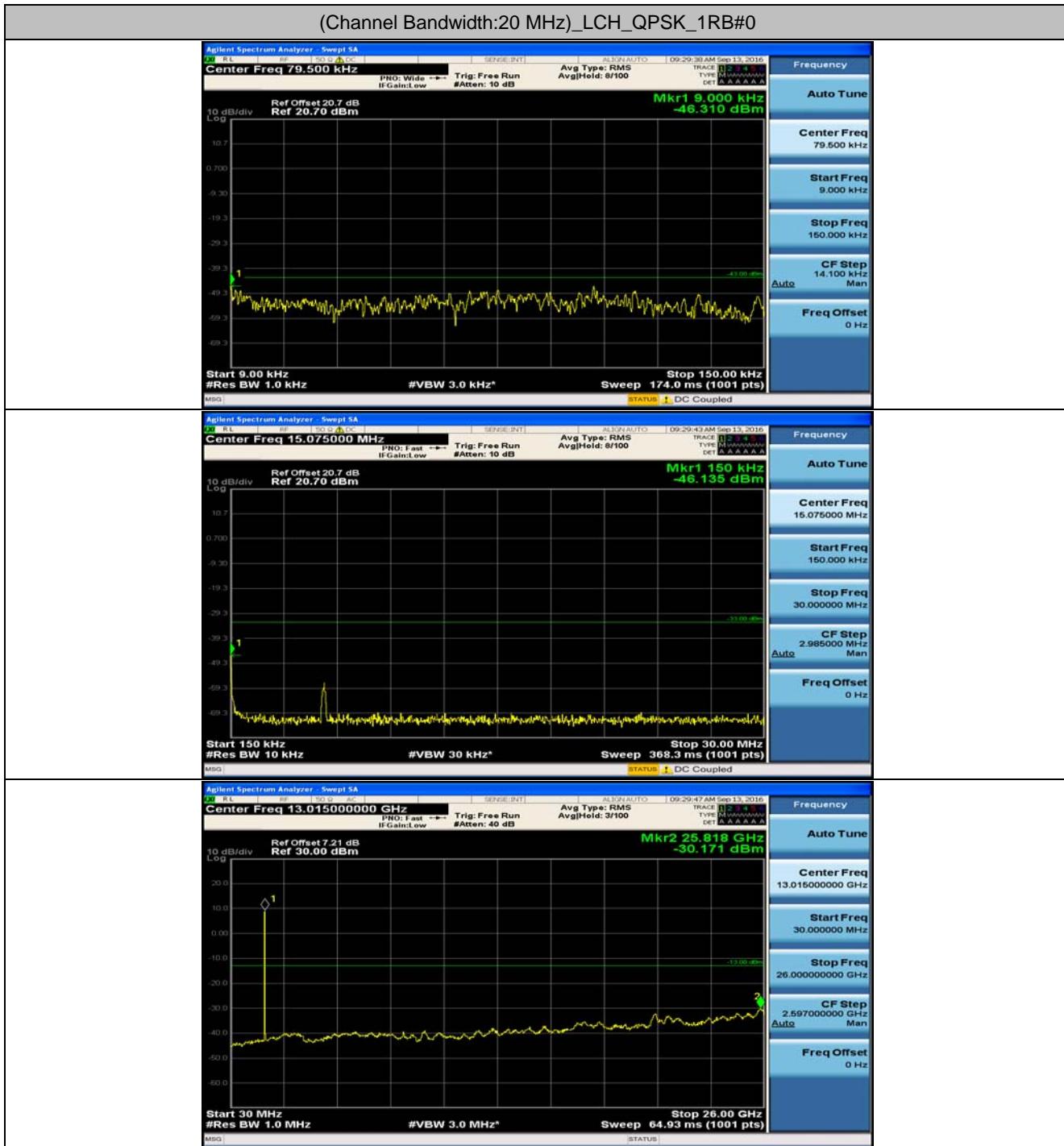


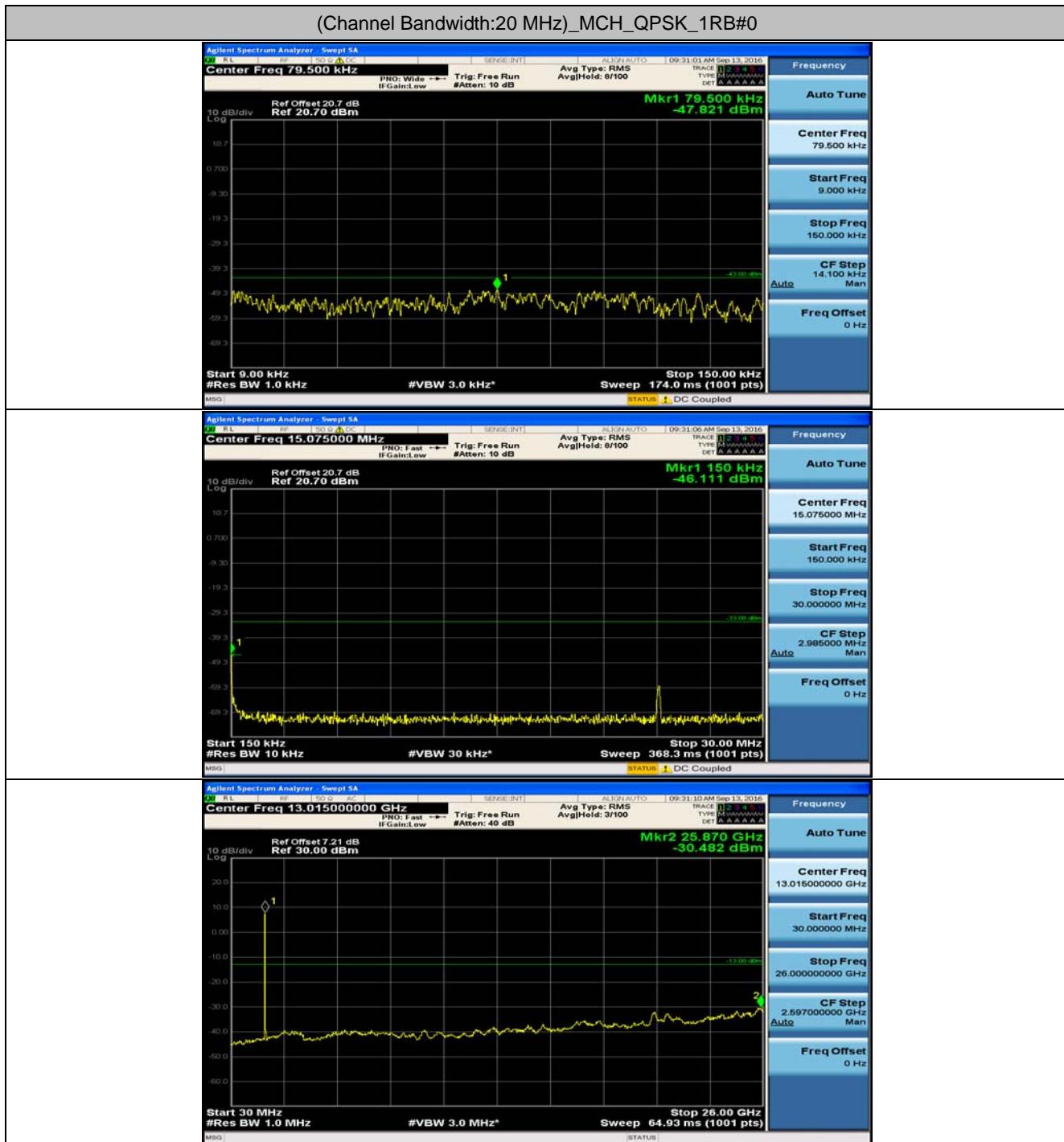


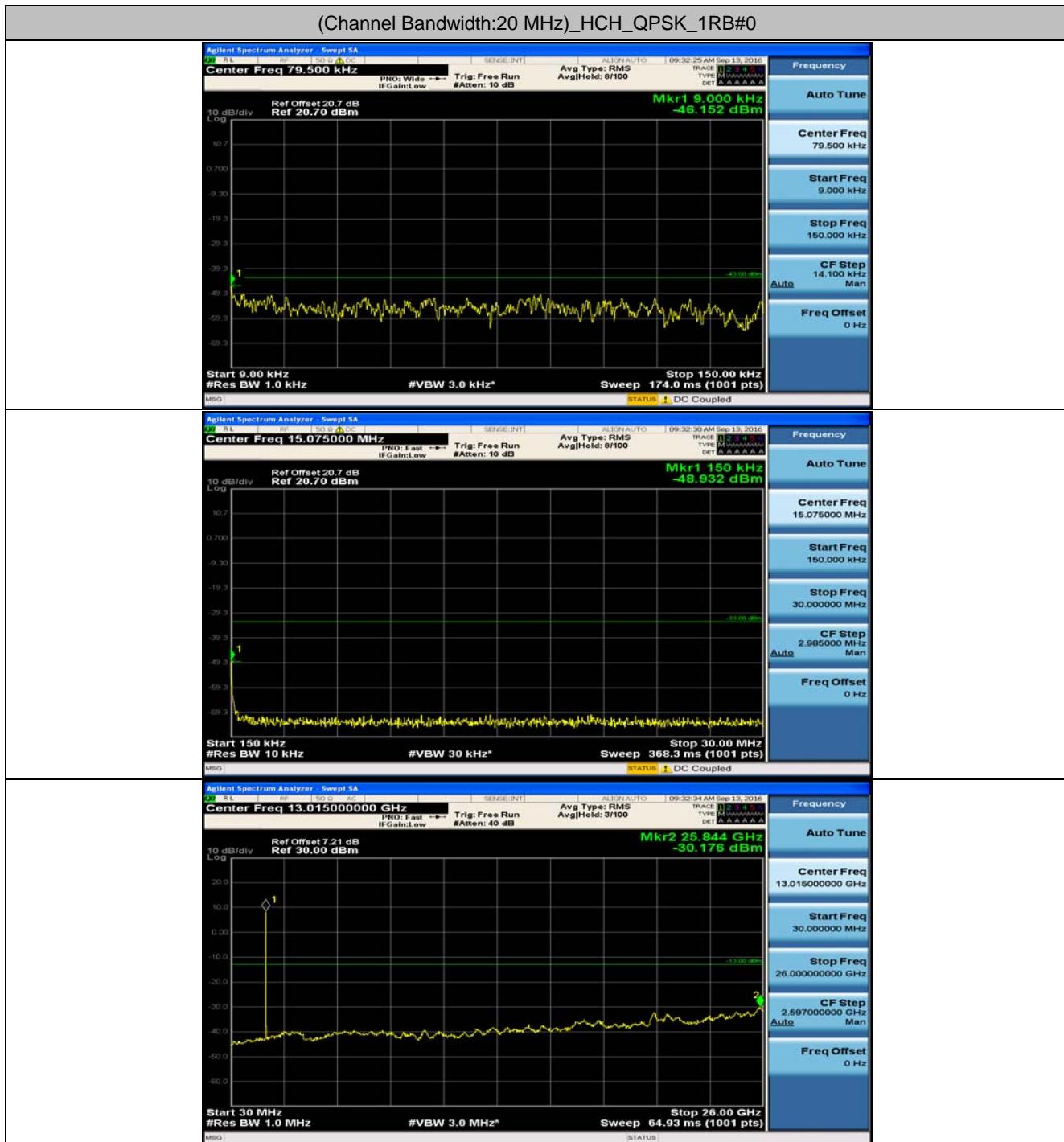


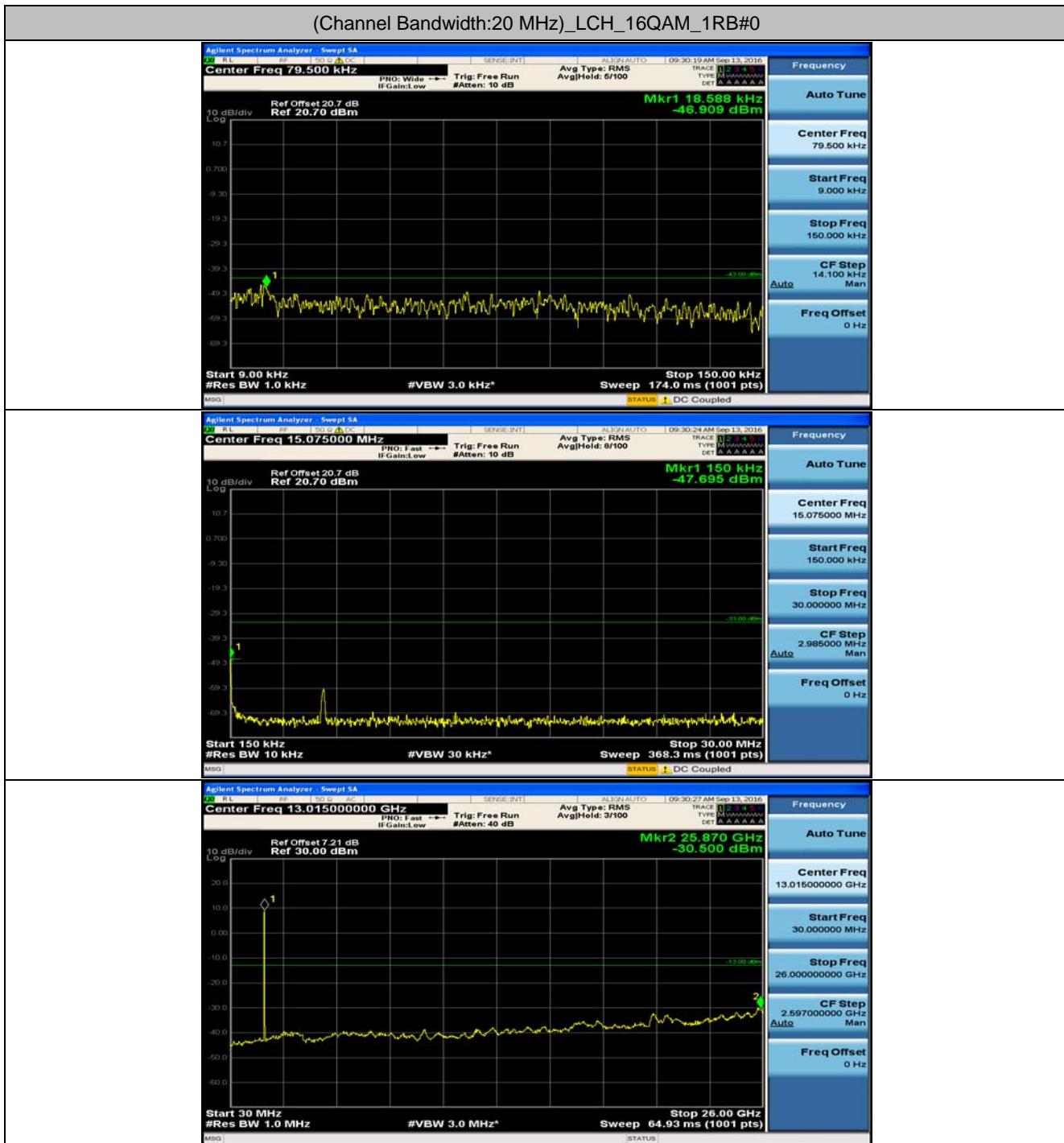


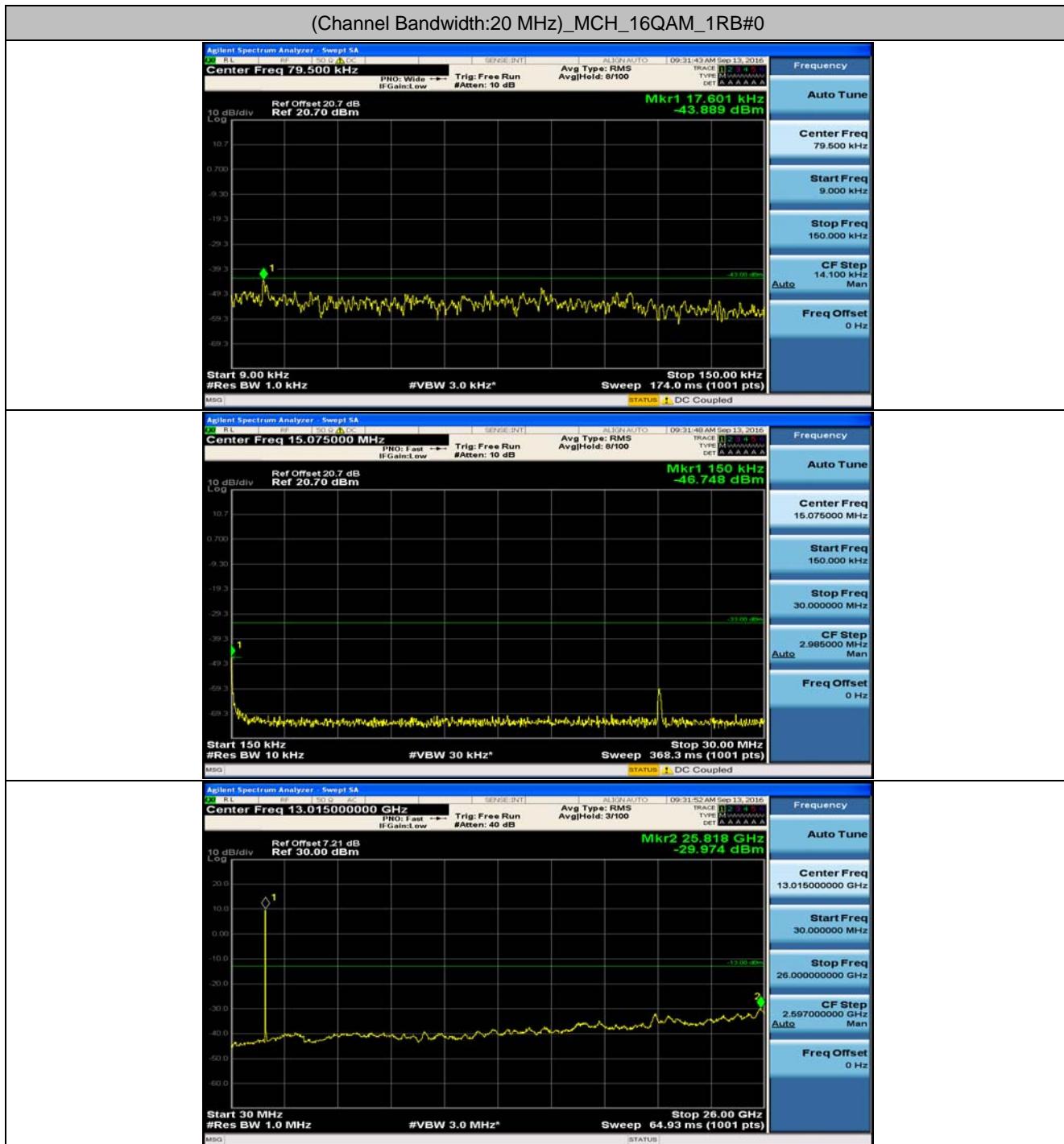
## Channel Bandwidth: 20 MHz

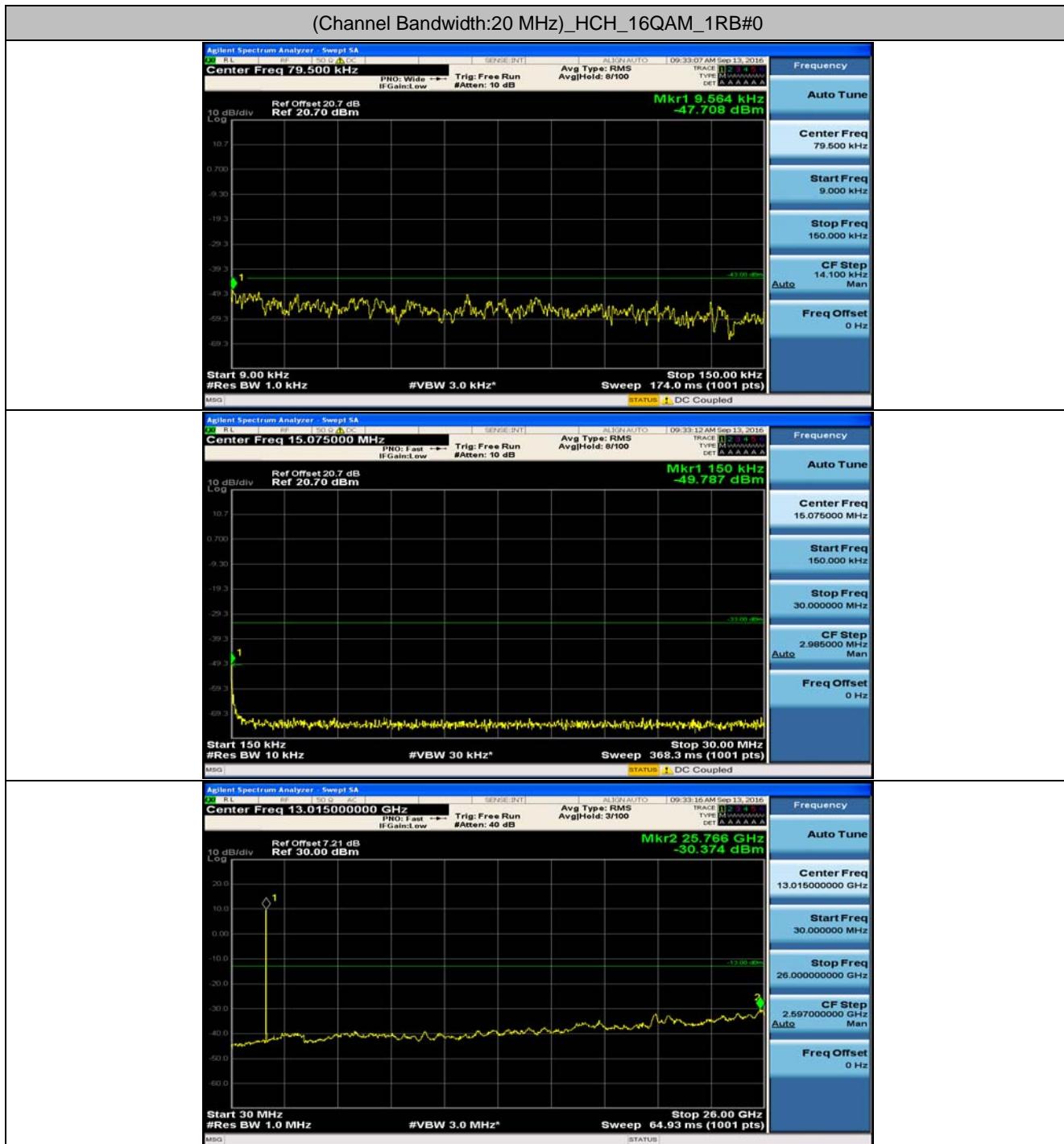












## Frequency Stability

### Test Result

Bandwidth (MHz) :		10MHz		RB #:		Full
Limit (ppm) :		2.5ppm		Channel:		MCH
Temperature (°C)	Voltage (V)	Modulation			Result	
		QPSK		16QAM		
		Deviation (ppm)	Deviation (ppm)	Deviation (ppm)		
50	3.7	-0.024	-0.030		PASS	
40	3.7	+0.019	+0.028			
30	3.7	+0.015	+0.019			
20	3.7	+0.011	+0.014			
10	3.7	+0.017	+0.021			
0	3.7	+0.022	+0.027			
-10	3.7	-0.026	-0.022			
-20	3.7	-0.033	-0.029			
-30	3.7	+0.031	+0.035			
20	4.2	+0.018	+0.022		PASS	
20	3.5	-0.016	-0.019		PASS	

Note: All bandwidth and modulation are tested, only the worst result is reported.

## Field Strength of Spurious Radiation Measurement

### Test Result

<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Lowest</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
<b>Frequency (MHz)</b>	<b>Spurious Emission</b>		<b>Limit (dBm)</b>	<b>Result</b>
	<b>Polarization</b>	<b>Level (dBm)</b>		
3421.4	Vertical	-49.19	-13.00	PASS
5132.1	V	-54.55		
-	V	-		
3421.4	Horizontal	-50.27		
5132.1	H	-53.46		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Middle</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
<b>Frequency (MHz)</b>	<b>Spurious Emission</b>		<b>Limit (dBm)</b>	<b>Result</b>
	<b>Polarization</b>	<b>Level (dBm)</b>		
3465.0	Vertical	-51.01	-13.00	PASS
5197.5	V	-55.28		
-	V	-		
3465.0	Horizontal	-49.37		
5197.5	H	-54.46		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Highest</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
<b>Frequency (MHz)</b>	<b>Spurious Emission</b>		<b>Limit (dBm)</b>	<b>Result</b>
	<b>Polarization</b>	<b>Level (dBm)</b>		
3508.6	Vertical	-51.15	-13.00	PASS
5262.9	V	-54.72		
-	V	-		
3508.6	Horizontal	-52.28		
5262.9	H	-55.41		
-	H	-		

<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Lowest</b>
<b>Modulation:</b>	<b>16QAM</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
<b>Frequency (MHz)</b>	<b>Spurious Emission</b>		<b>Limit (dBm)</b>	<b>Result</b>
3465.0	Vertical	-51.77	-13.00	PASS
5197.5	V	-55.05		
-	V	-		
3465.0	Horizontal	-52.31		
5197.5	H	-56.69		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Middle</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
<b>Frequency (MHz)</b>	<b>Spurious Emission</b>		<b>Limit (dBm)</b>	<b>Result</b>
3465.0	Vertical	-51.44	-13.00	PASS
5197.5	V	-55.30		
-	V	-		
3465.0	Horizontal	-52.58		
5197.5	H	-55.11		
-	H	-		
<b>Bandwidth:</b>	<b>1.4M</b>		<b>Test channel:</b>	<b>Highest</b>
<b>Modulation:</b>	<b>QPSK</b>		<b>Temperature :</b>	<b>23~24°C</b>
<b>RB #:</b>	<b>1</b>		<b>Relative Humidity:</b>	<b>46~48%</b>
<b>Note:</b>	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
<b>Frequency (MHz)</b>	<b>Spurious Emission</b>		<b>Limit (dBm)</b>	<b>Result</b>
3508.6	Vertical	-50.90	-13.00	PASS
5262.9	V	-55.72		
-	V	-		
3508.6	Horizontal	-51.85		
5262.9	H	-56.37		
-	H	-		

Note: All bandwidth and modulation are tested, only the worst result is reported.