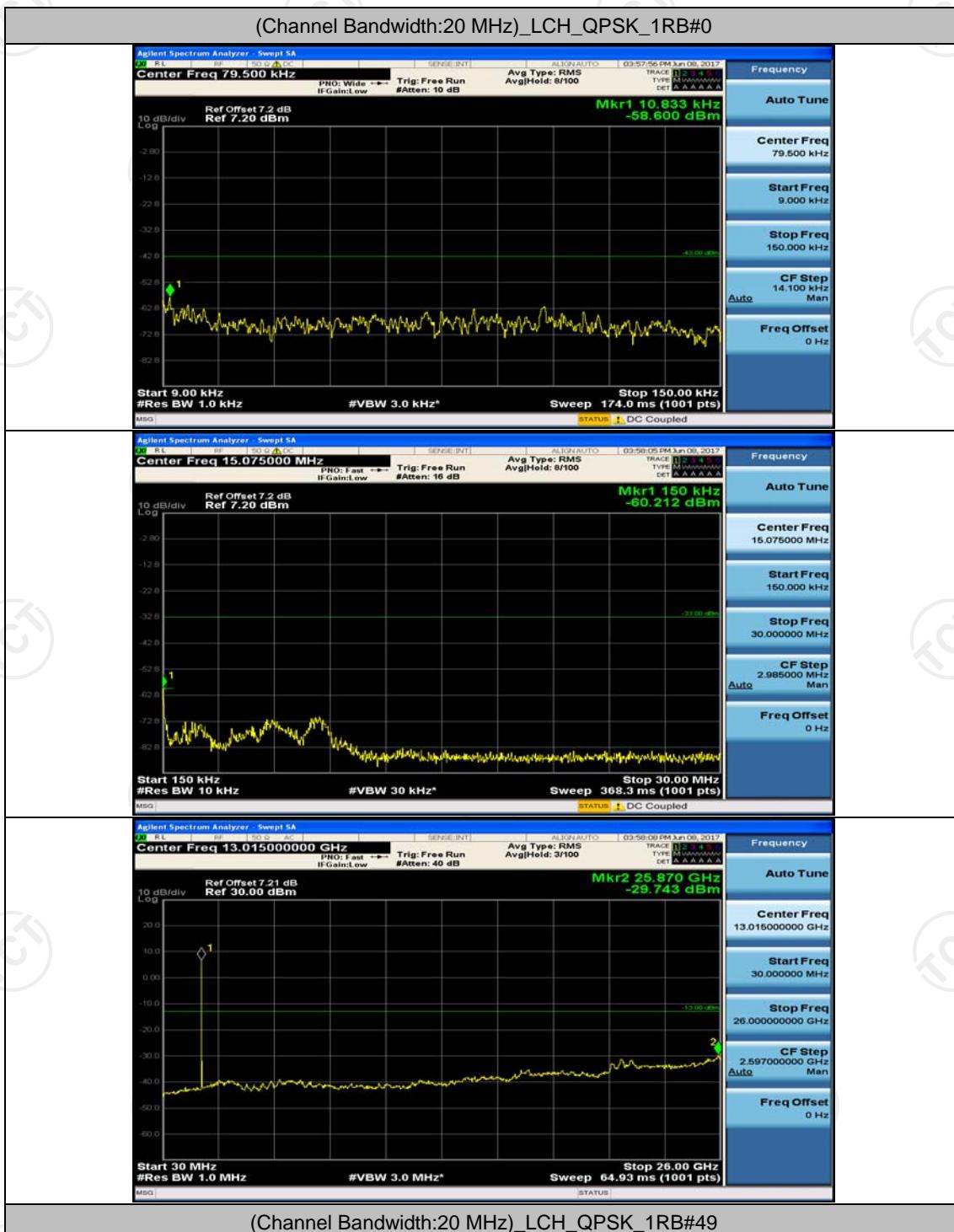
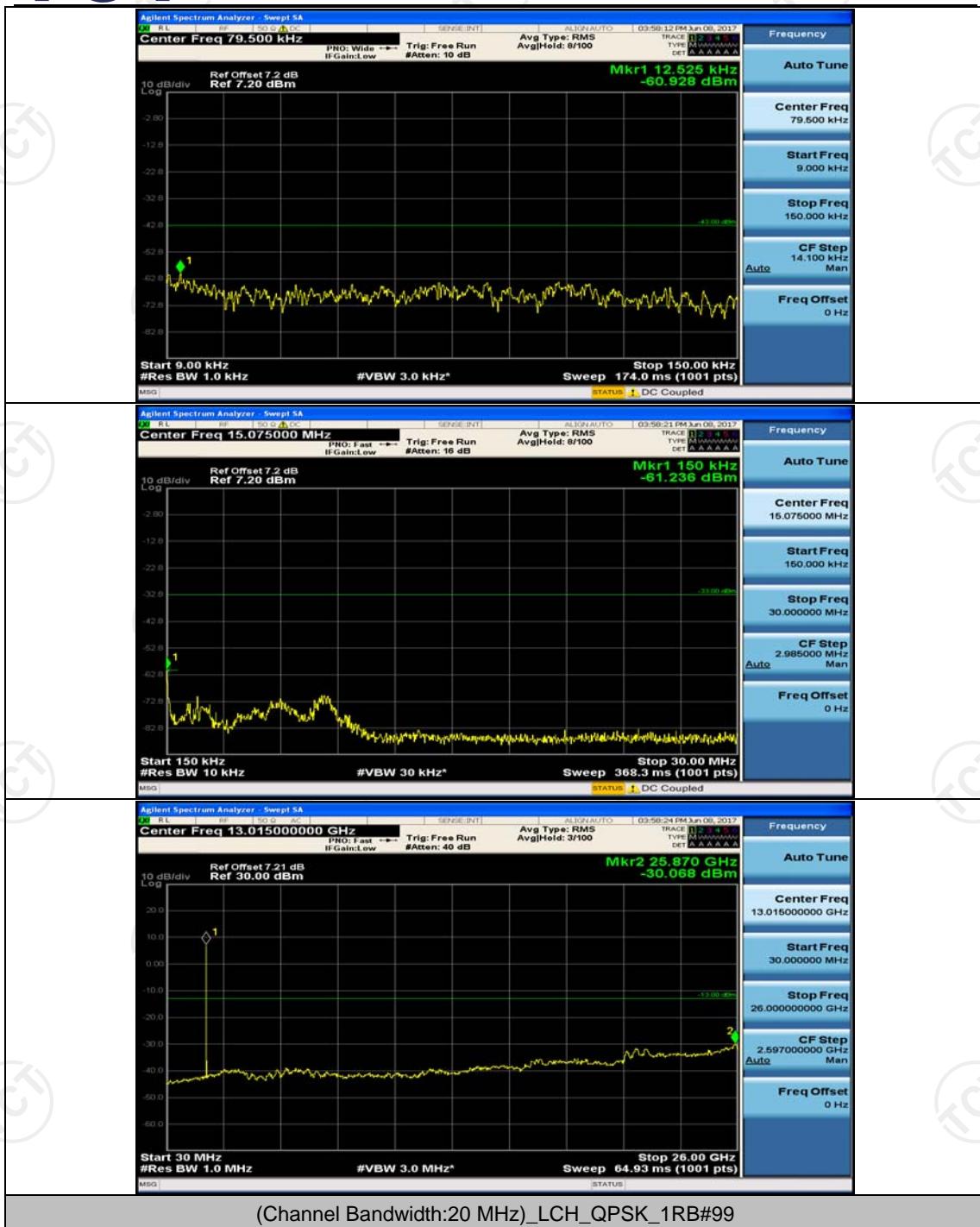
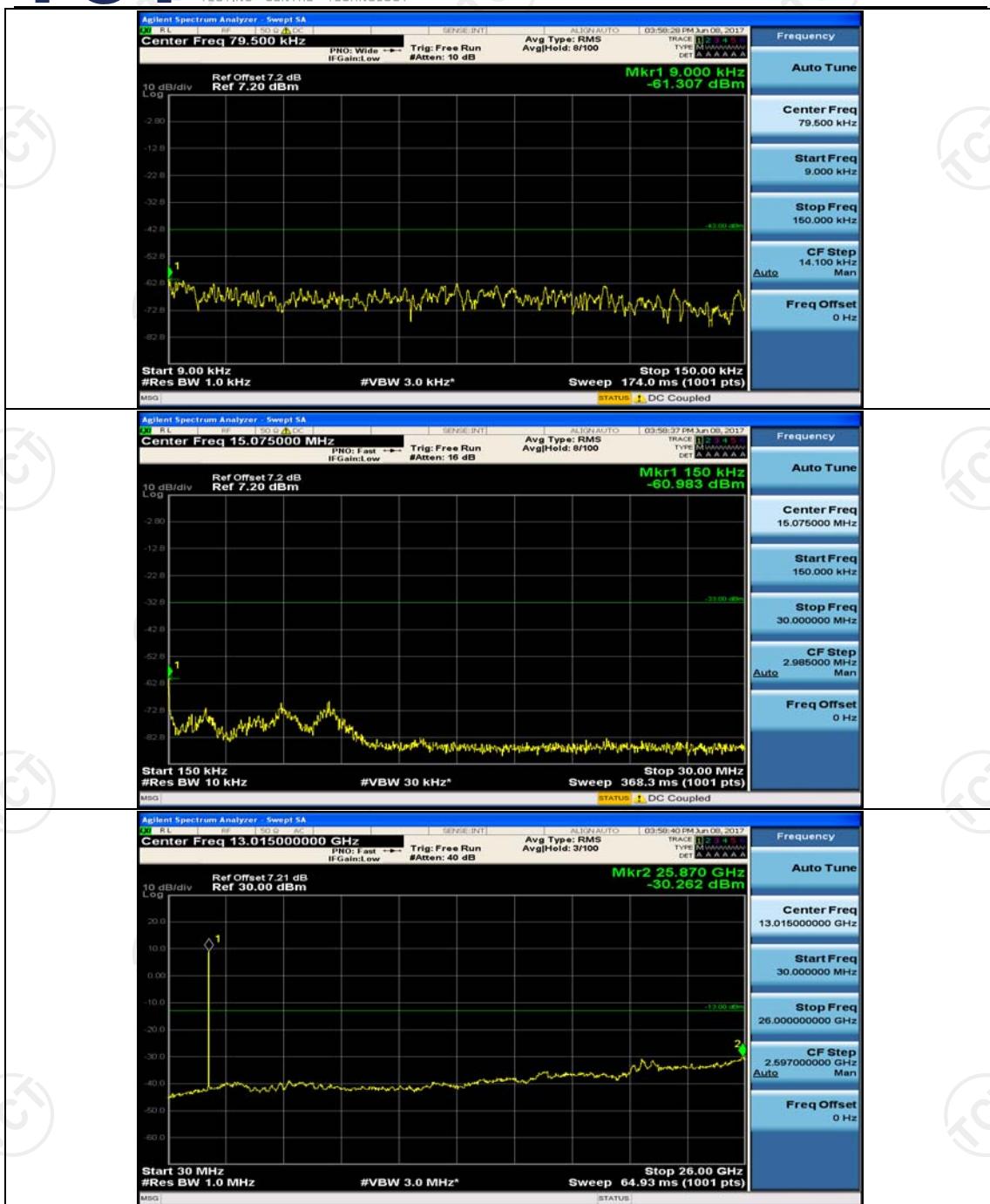


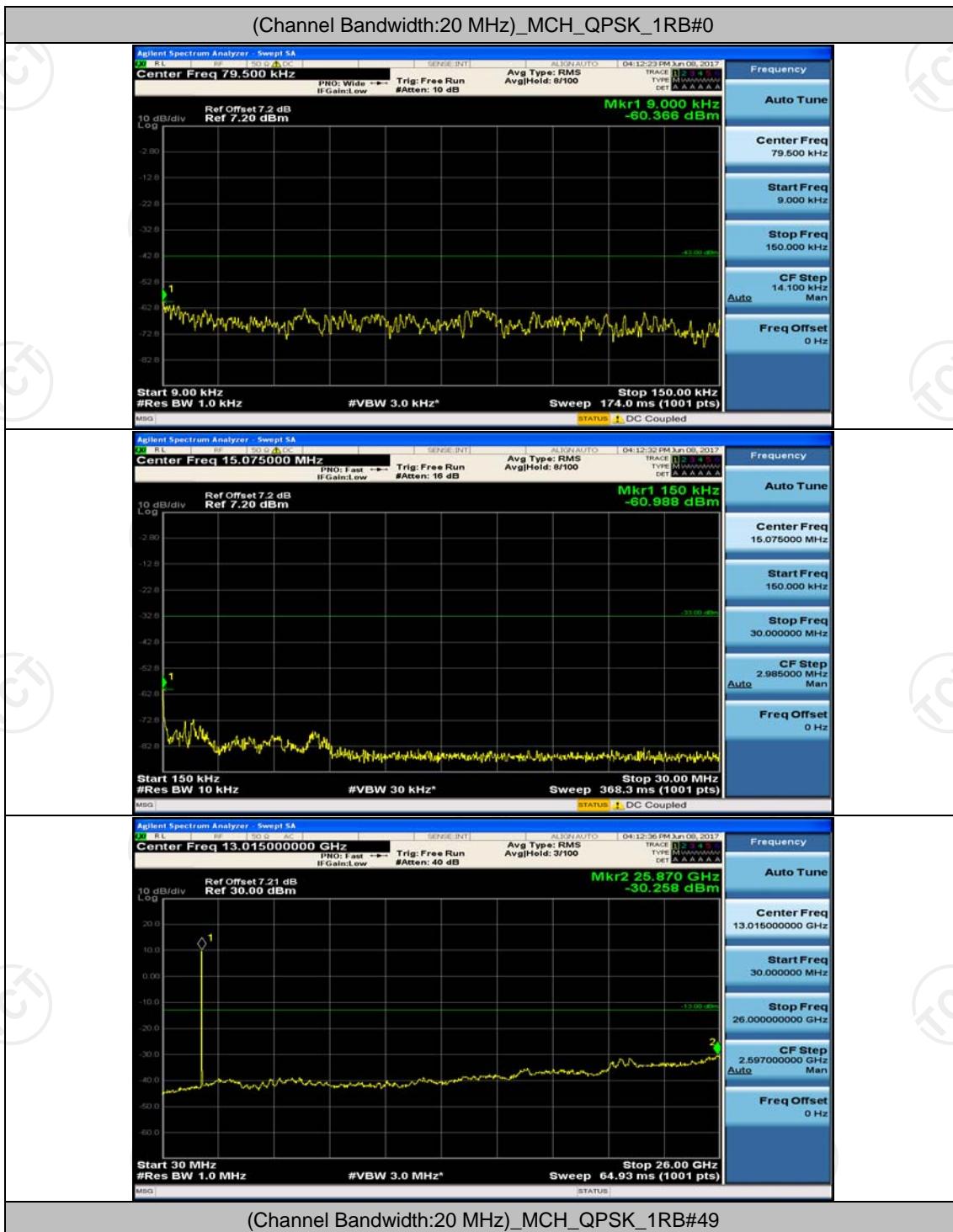
Channel Bandwidth: 20 MHz

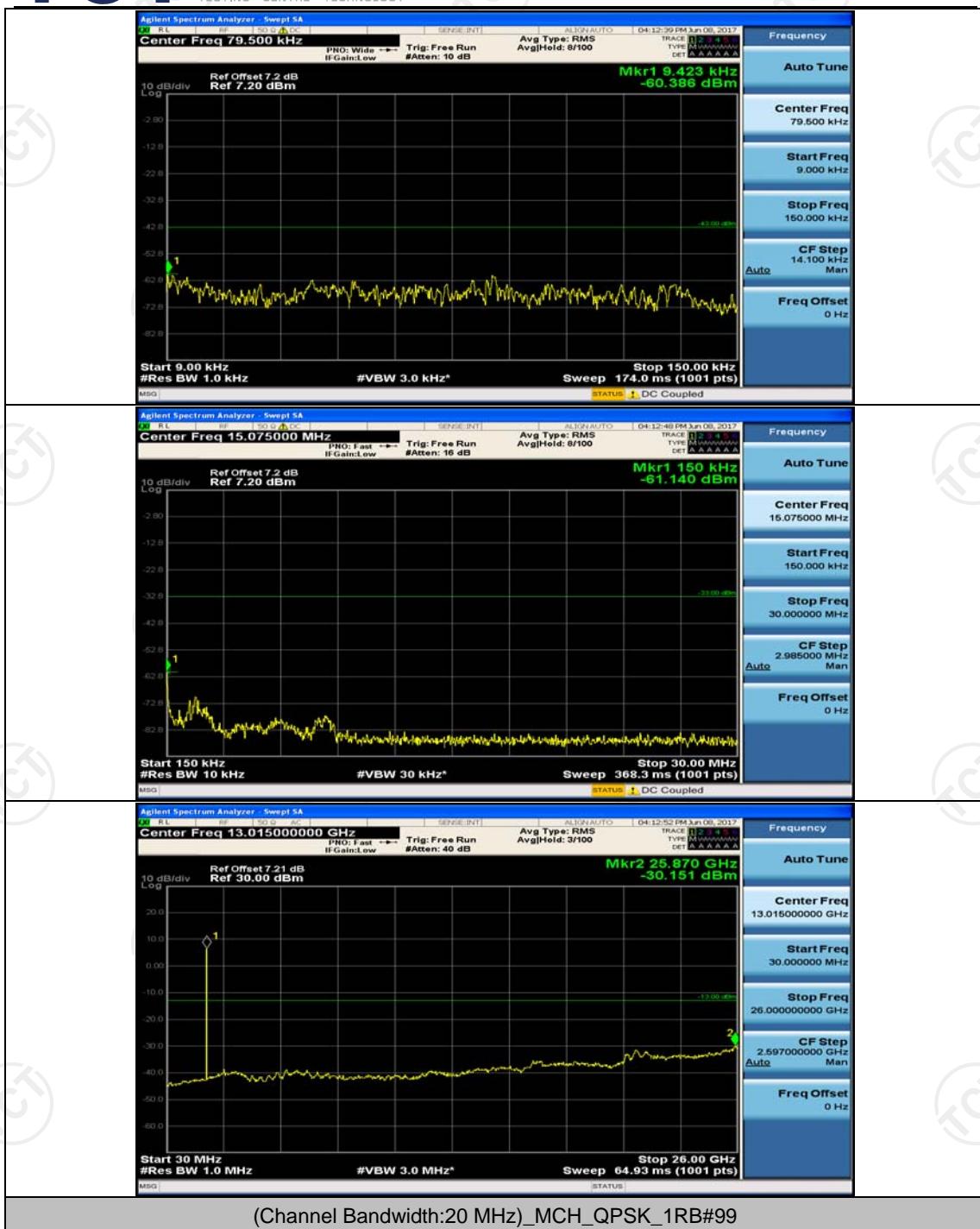


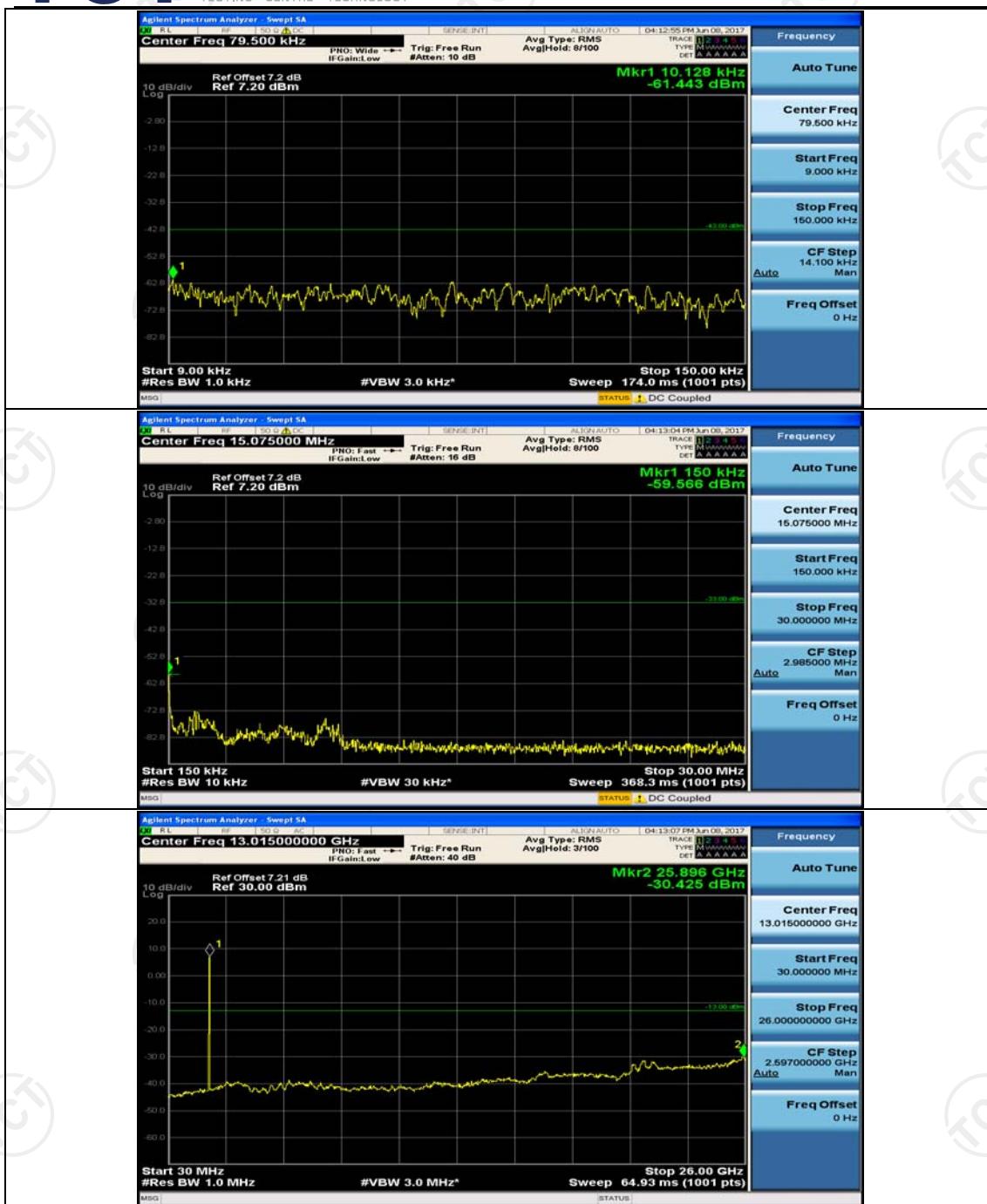


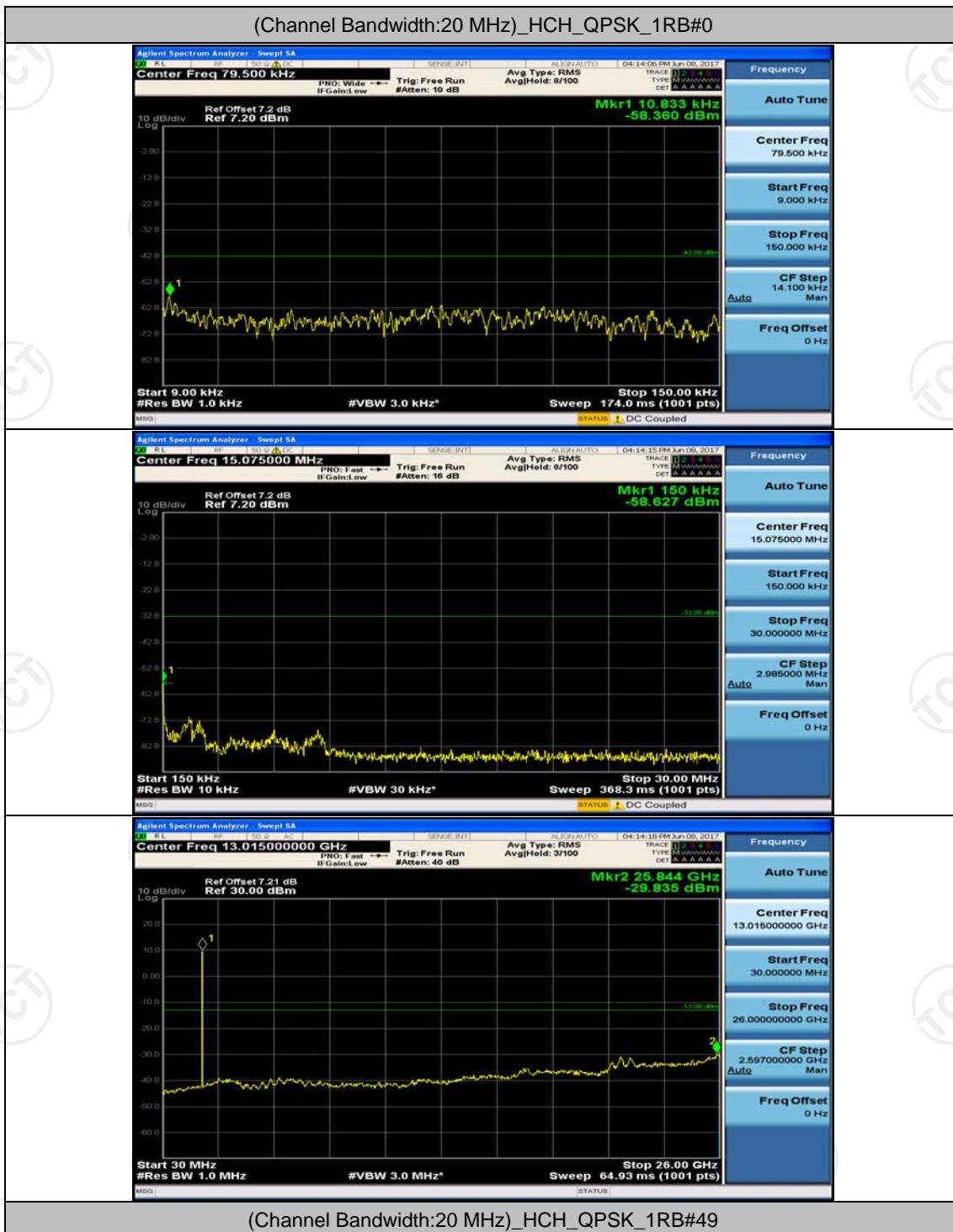
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99

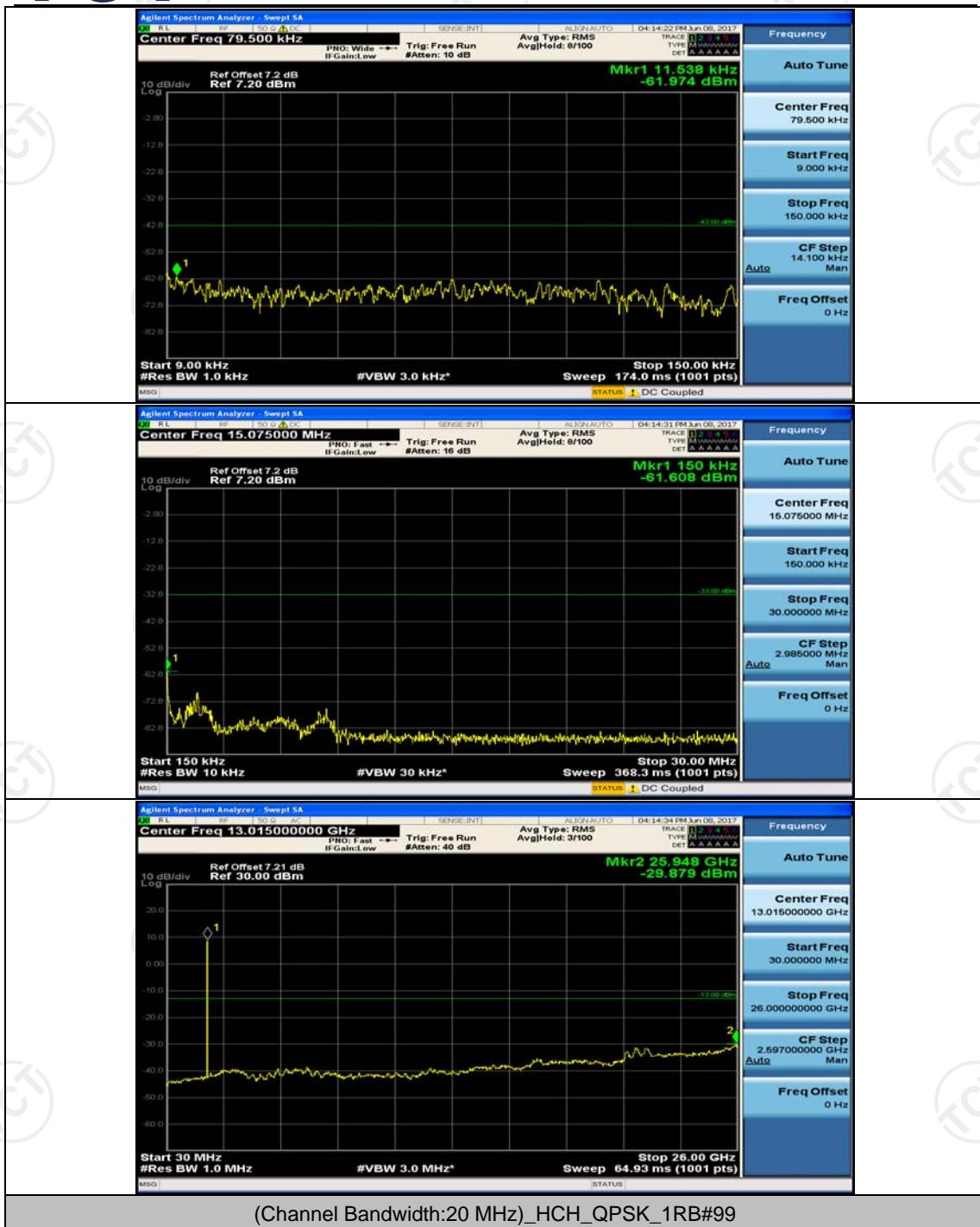




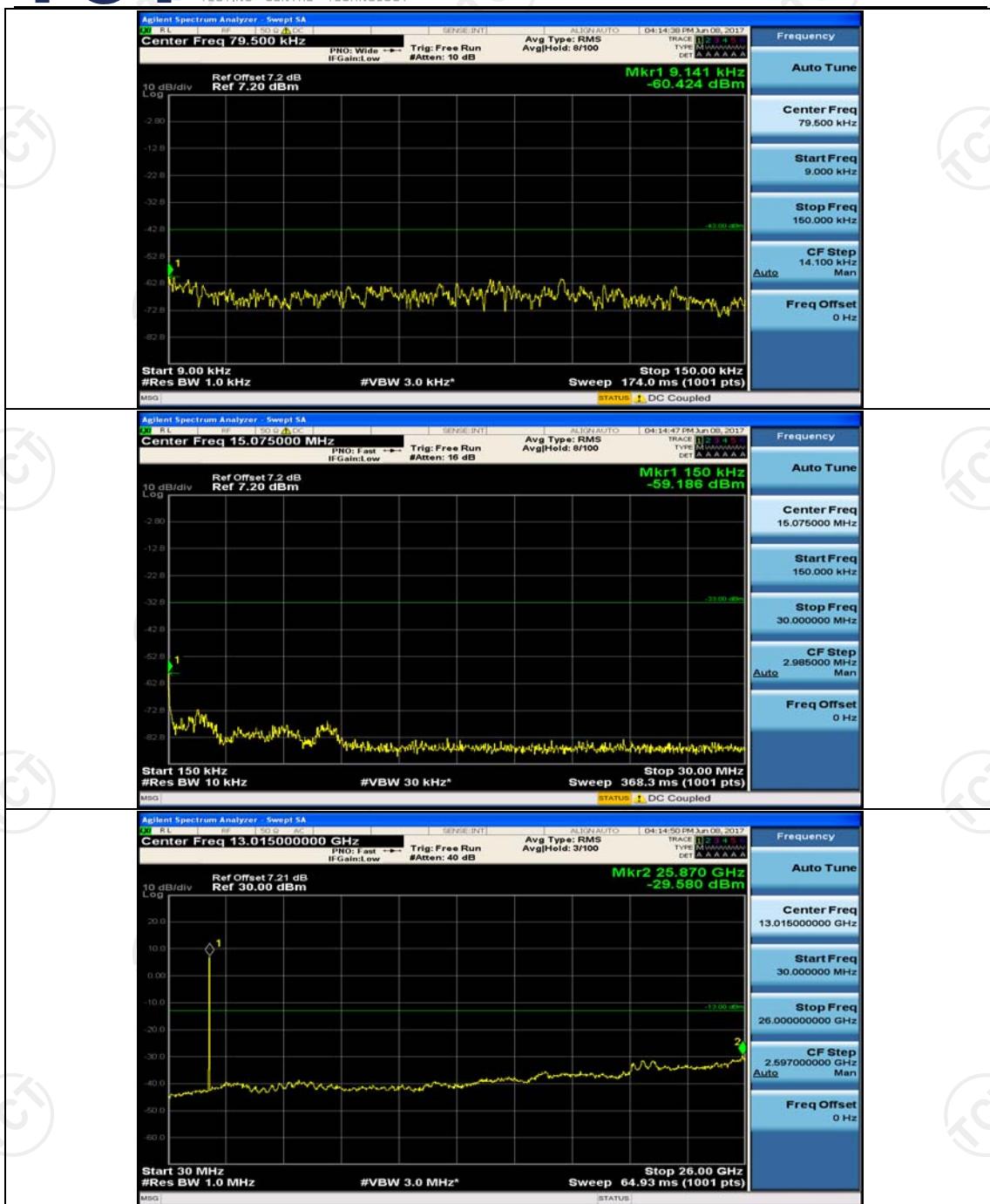


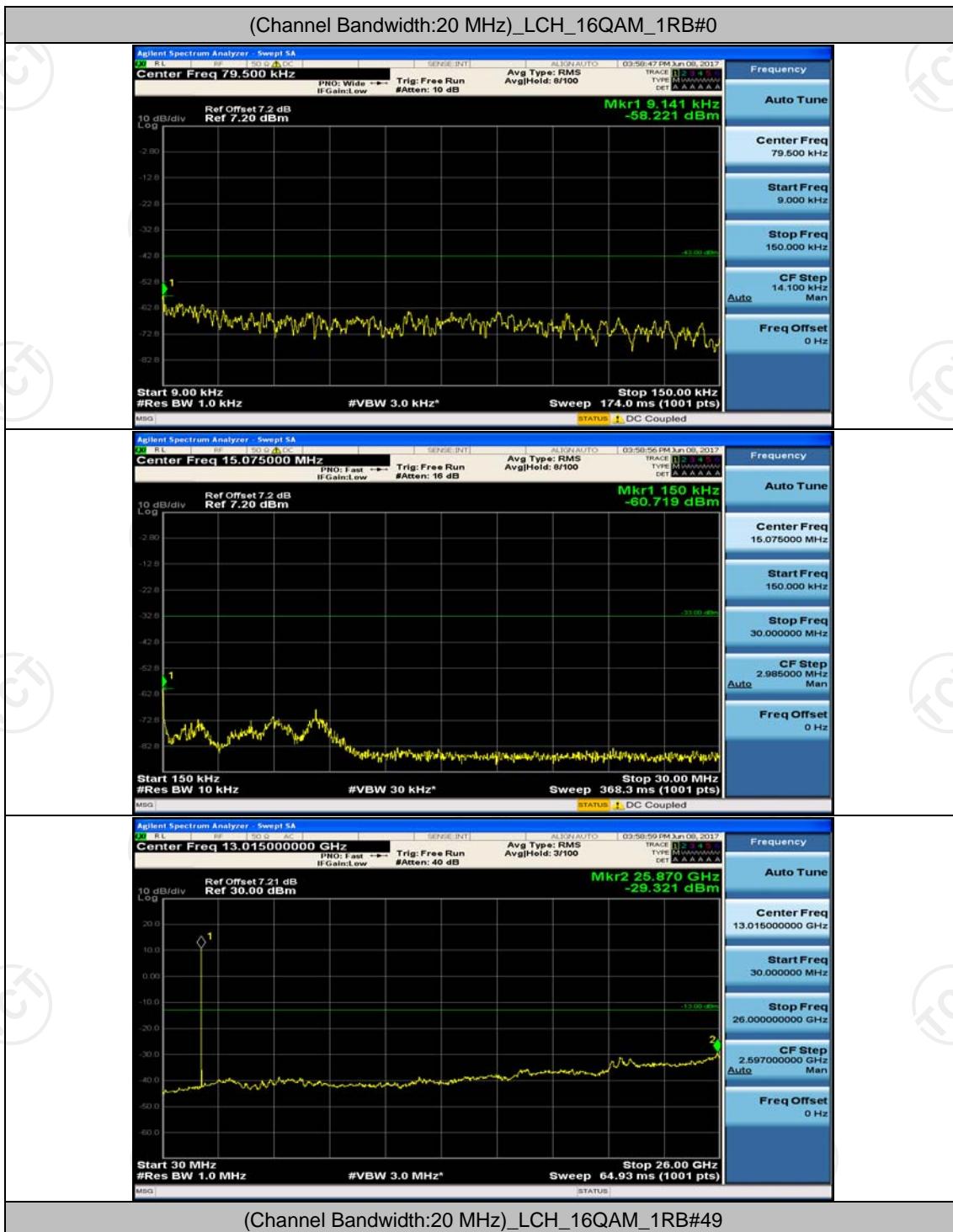


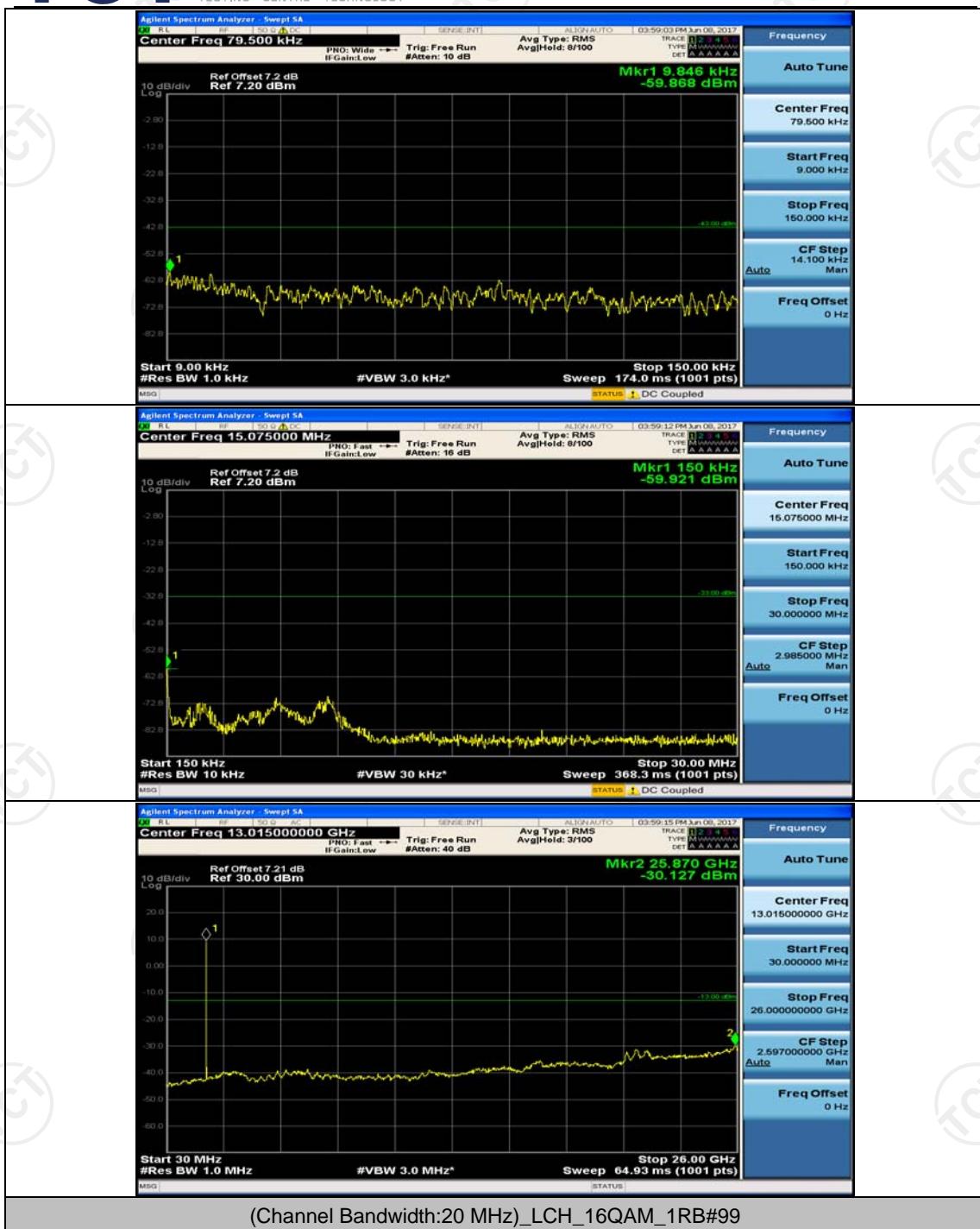


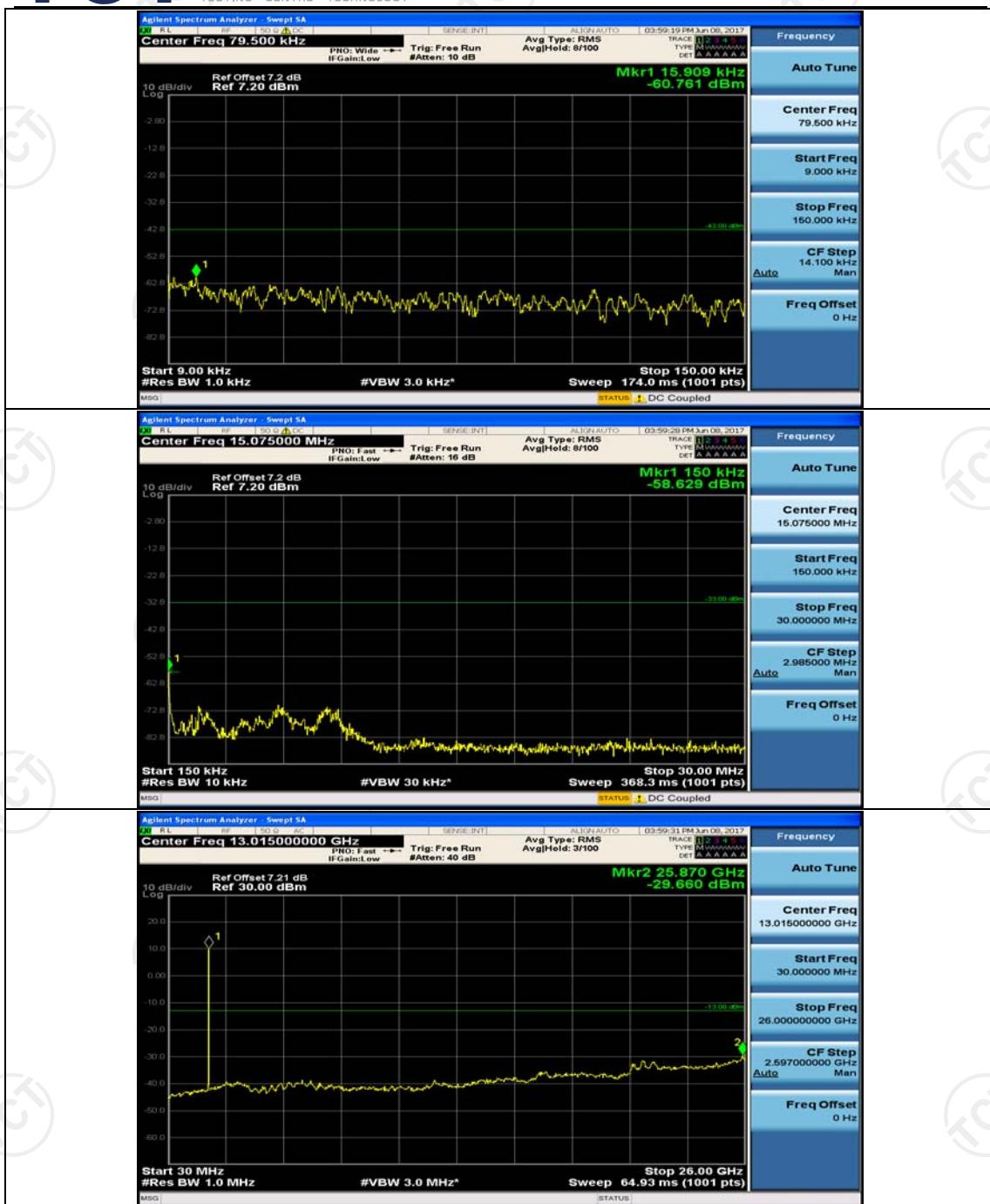


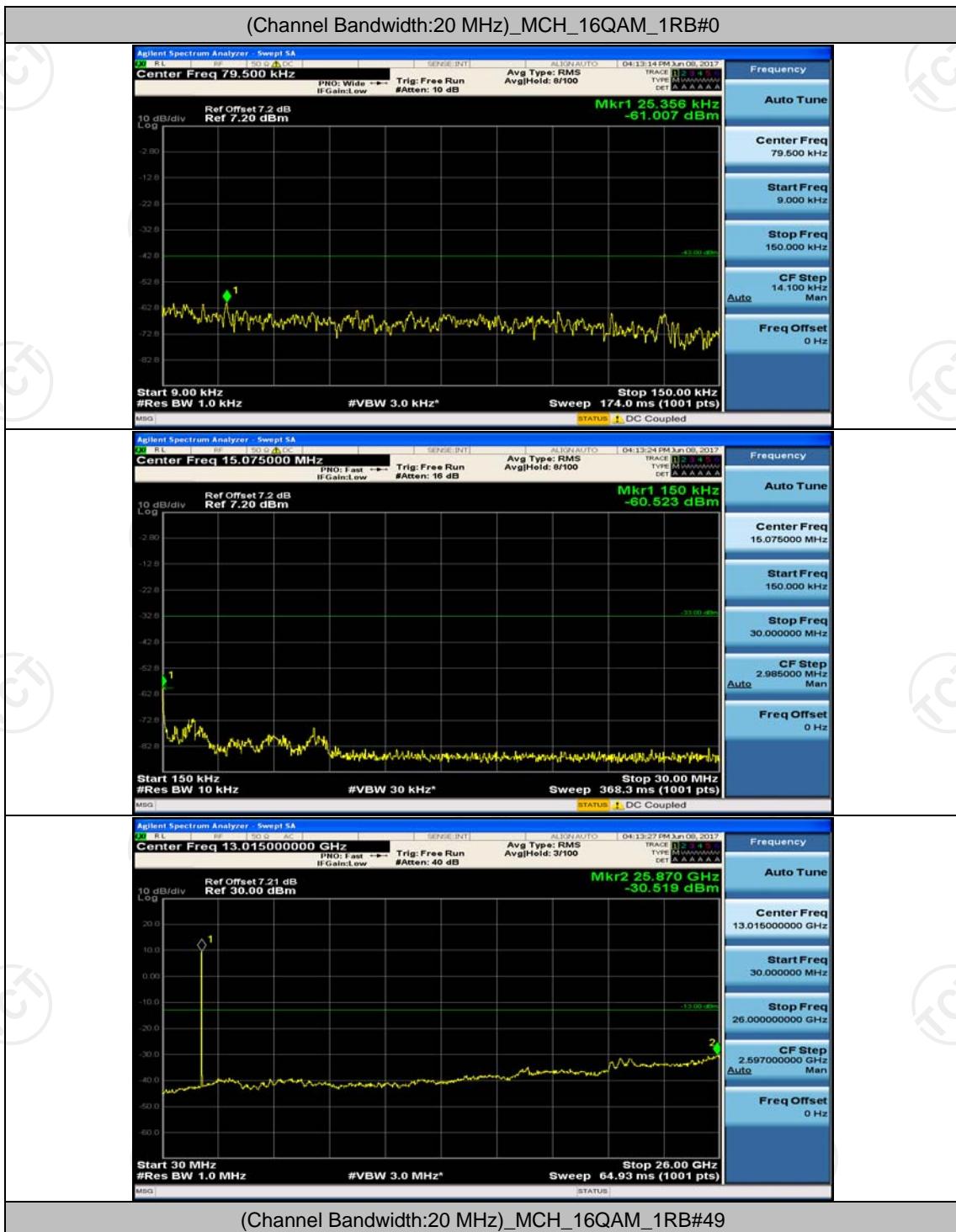
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99

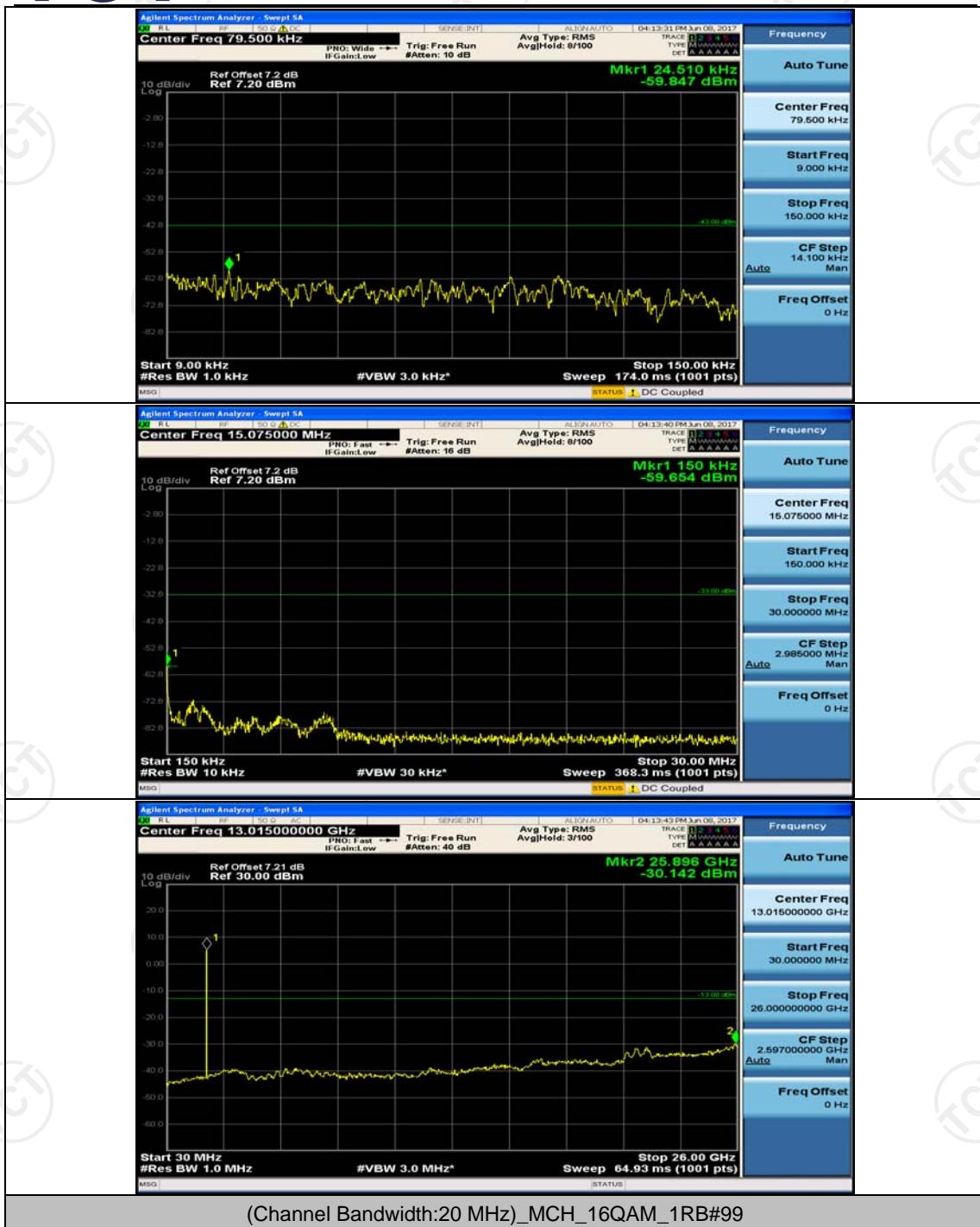


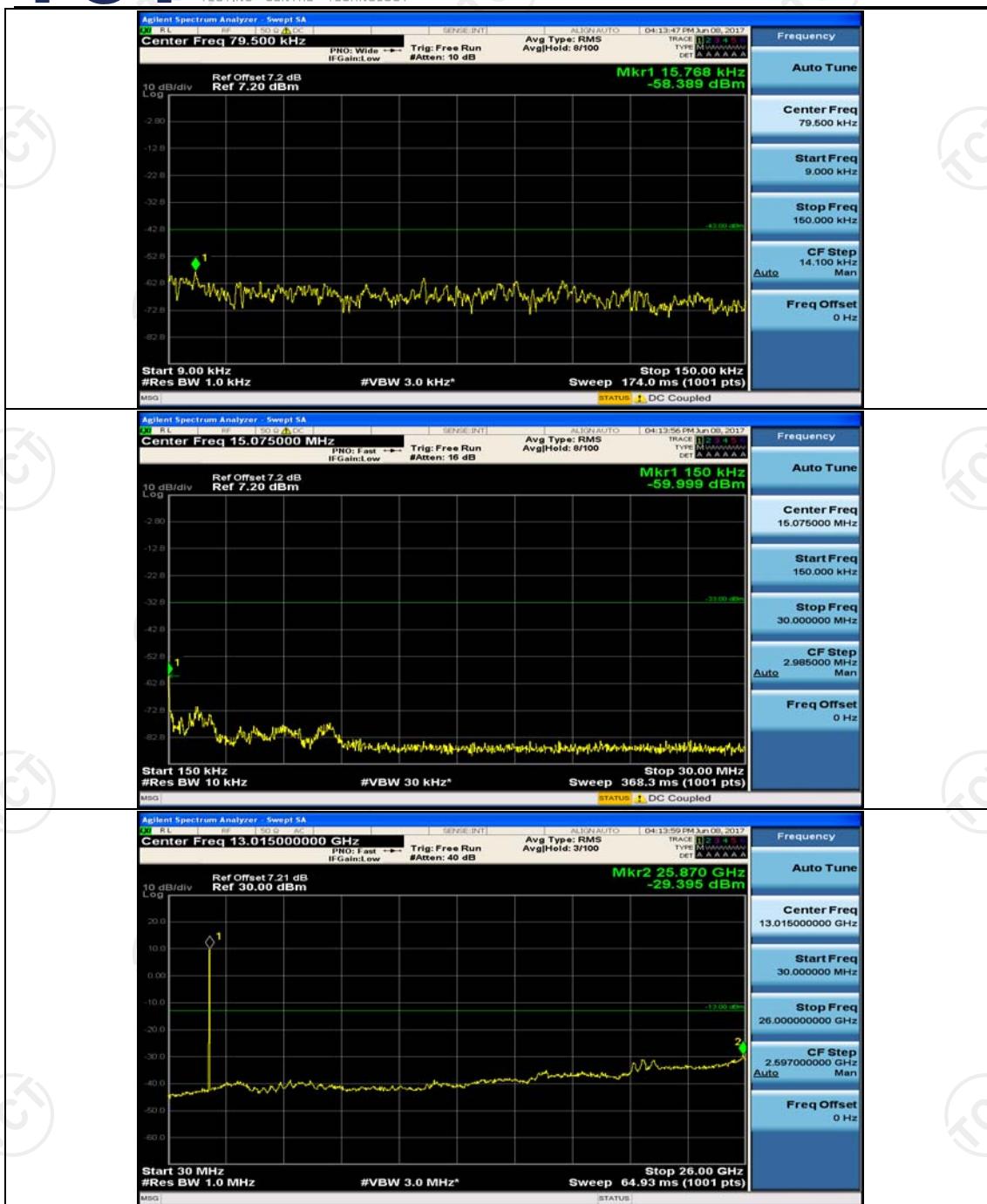


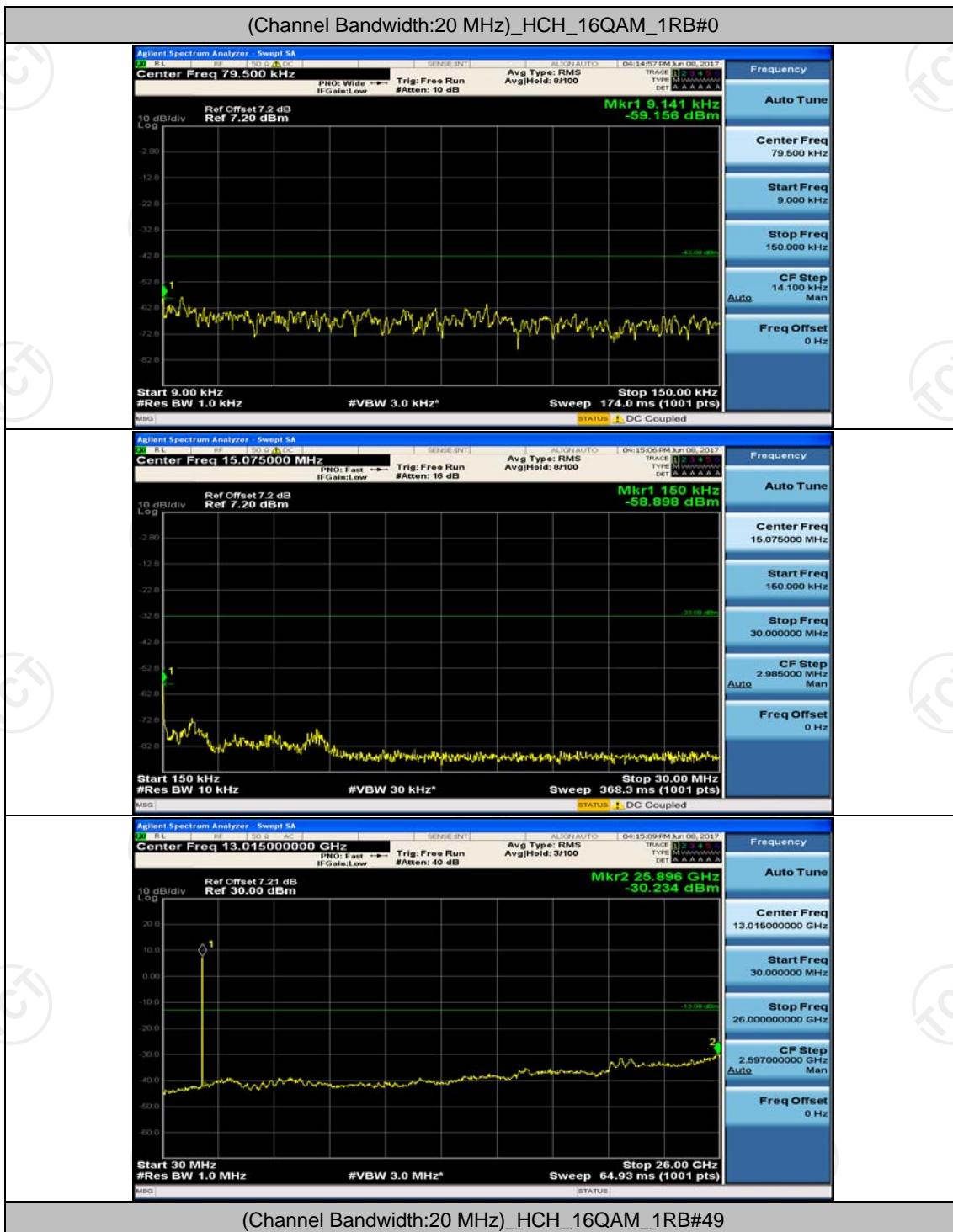


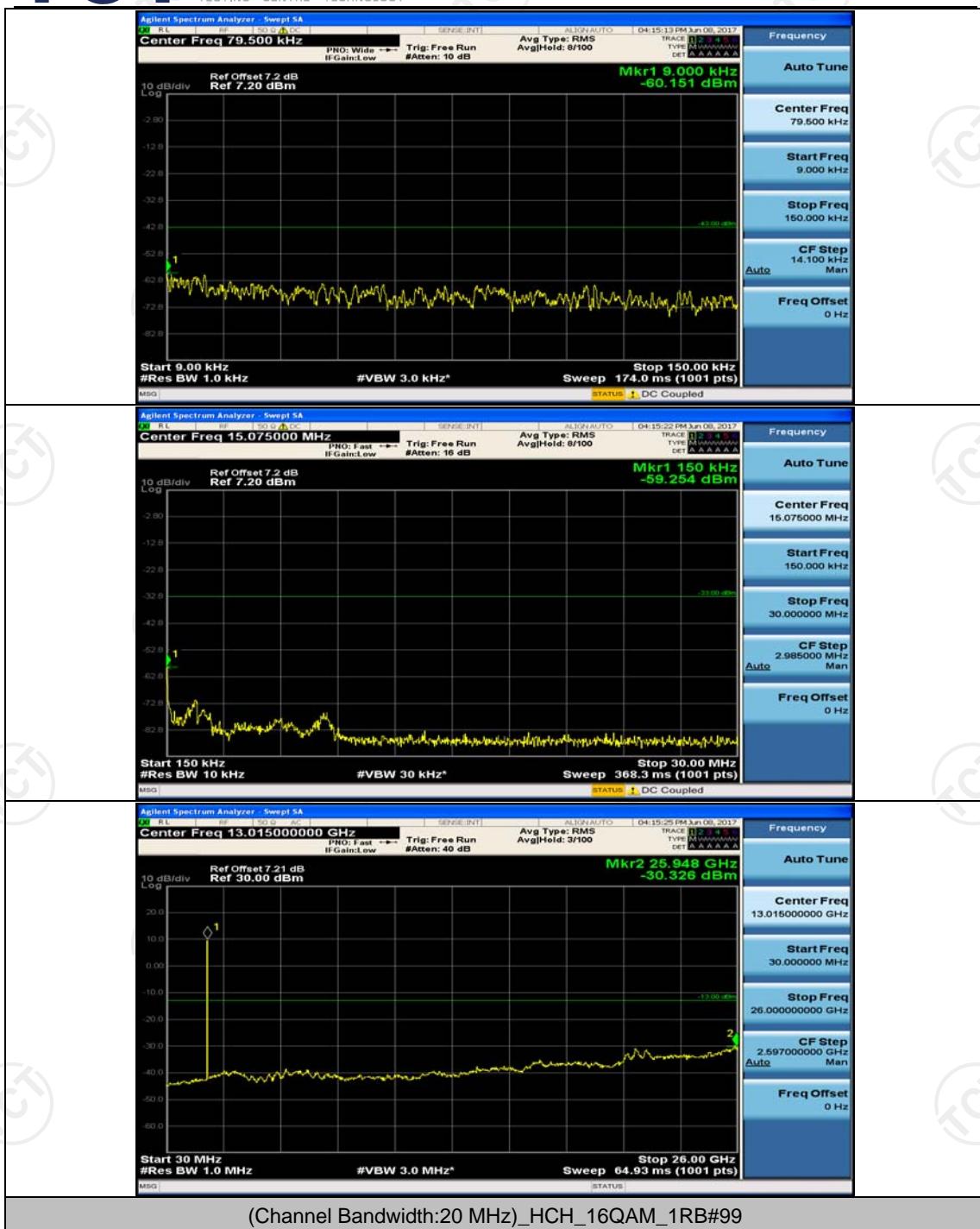


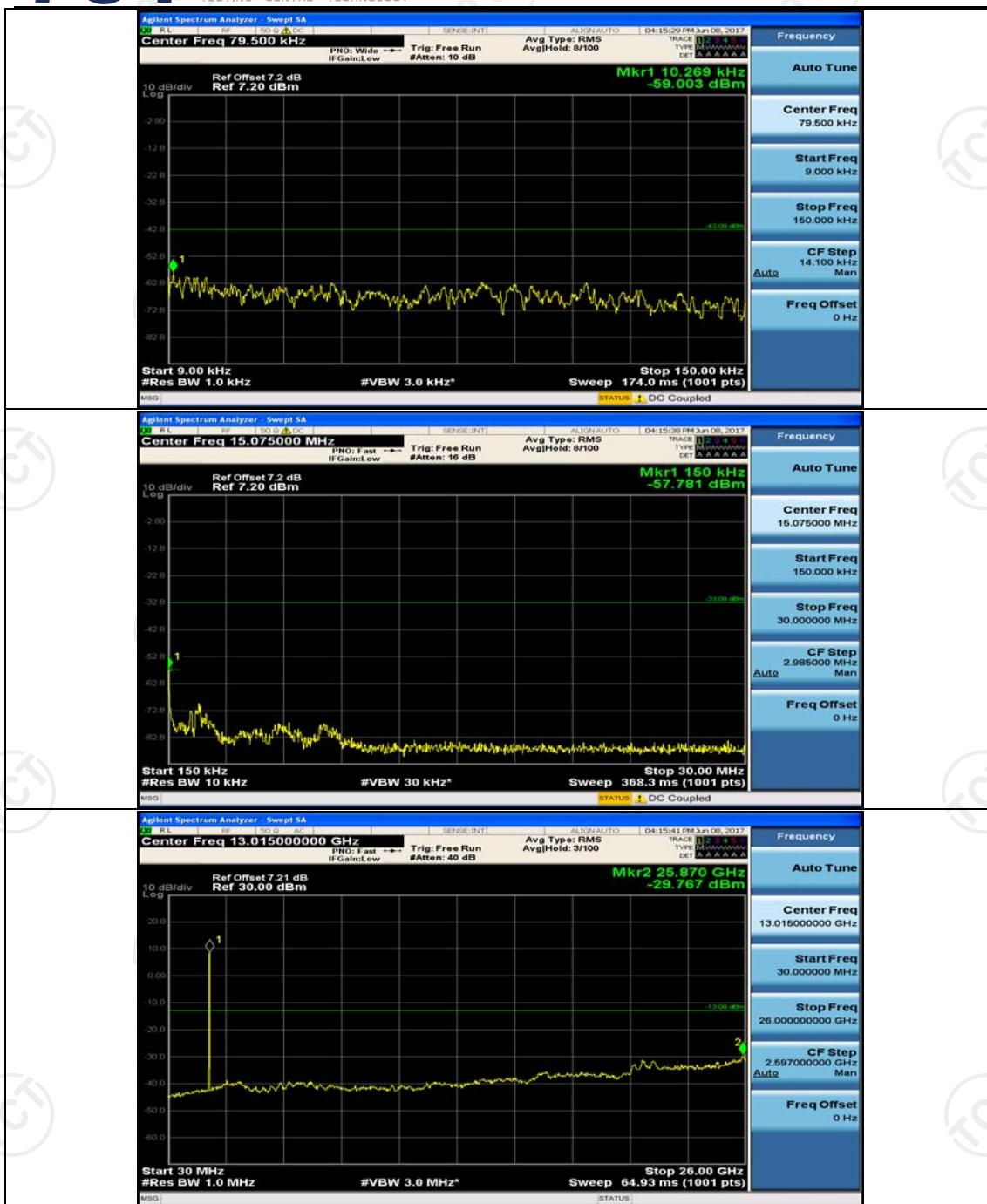












Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 10 MHz

Bandwidth (MHz) :		10MHz		RB #:	Full		
Limit (ppm) :		2.5ppm		Channel:	MCH		
Temperature (°C)	Voltage (V)	Modulation		Result			
		QPSK					
		Deviation (ppm)	Deviation (ppm)				
50	3.8	+0.012	+0.011	PASS			
40	3.8	+0.013	+0.013				
30	3.8	+0.014	+0.016				
20	3.8	-0.012	-0.009				
10	3.8	+0.016	+0.011				
0	3.8	-0.015	-0.015				
-10	3.8	+0.010	+0.009				
-20	3.8	+0.013	+0.008				
-30	3.8	+0.011	+0.010				
20	4.2	-0.012	-0.013	PASS			
20	3.5	+0.016	+0.0143	PASS			

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

Field Strength of Spurious Radiation Measurement

Test Result

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
3701.4	Polarization	Level (dBm)		
3701.4	Vertical	-51.20	-13.00	PASS
5552.1	V	-55.62		
-	V	-		
3701.4	Horizontal	-54.35		
5552.1	H	-52.58		
-	H	-		
Bandwidth:	1.4M		Test channel:	Middle
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
3760.0	Polarization	Level (dBm)		
3760.0	Vertical	-52.29	-13.00	PASS
5640.0	V	-54.46		
-	V	-		
3760.0	Horizontal	-50.60		
5640.0	H	-57.38		
-	H	-		
Bandwidth:	1.4M		Test channel:	Highest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
3818.6	Polarization	Level (dBm)		
3818.6	Vertical	-50.28	-13.00	PASS
5727.9	V	-53.28		
-	V	-		
3818.6	Horizontal	-52.87		
5727.9	H	-53.63		
-	H	-		

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3701.4	Vertical	-52.14	-13.00	PASS
5552.1	V	-56.26		
-	V	-		
3701.4	Horizontal	-53.49		
5552.1	H	-55.30		
-	H	-		
Bandwidth:	1.4M		Test channel:	Middle
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3760.0	Vertical	-51.69	-13.00	PASS
5640.0	V	-56.51		
-	V	-		
3760.0	Horizontal	-52.36		
5640.0	H	-55.27		
-	H	-		
Bandwidth:	1.4M		Test channel:	Highest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1		Relative Humidity:	46~48%
Note:	Spurious emissions within 30-1000MHz were found more than 20dB below limit line.			
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result
	Polarization	Level (dBm)		
3818.6	Vertical	-51.30	-13.00	PASS
5727.9	V	-54.61		
-	V	-		
3818.6	Horizontal	-52.44		
5727.9	H	-55.28		
-	H	-		

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