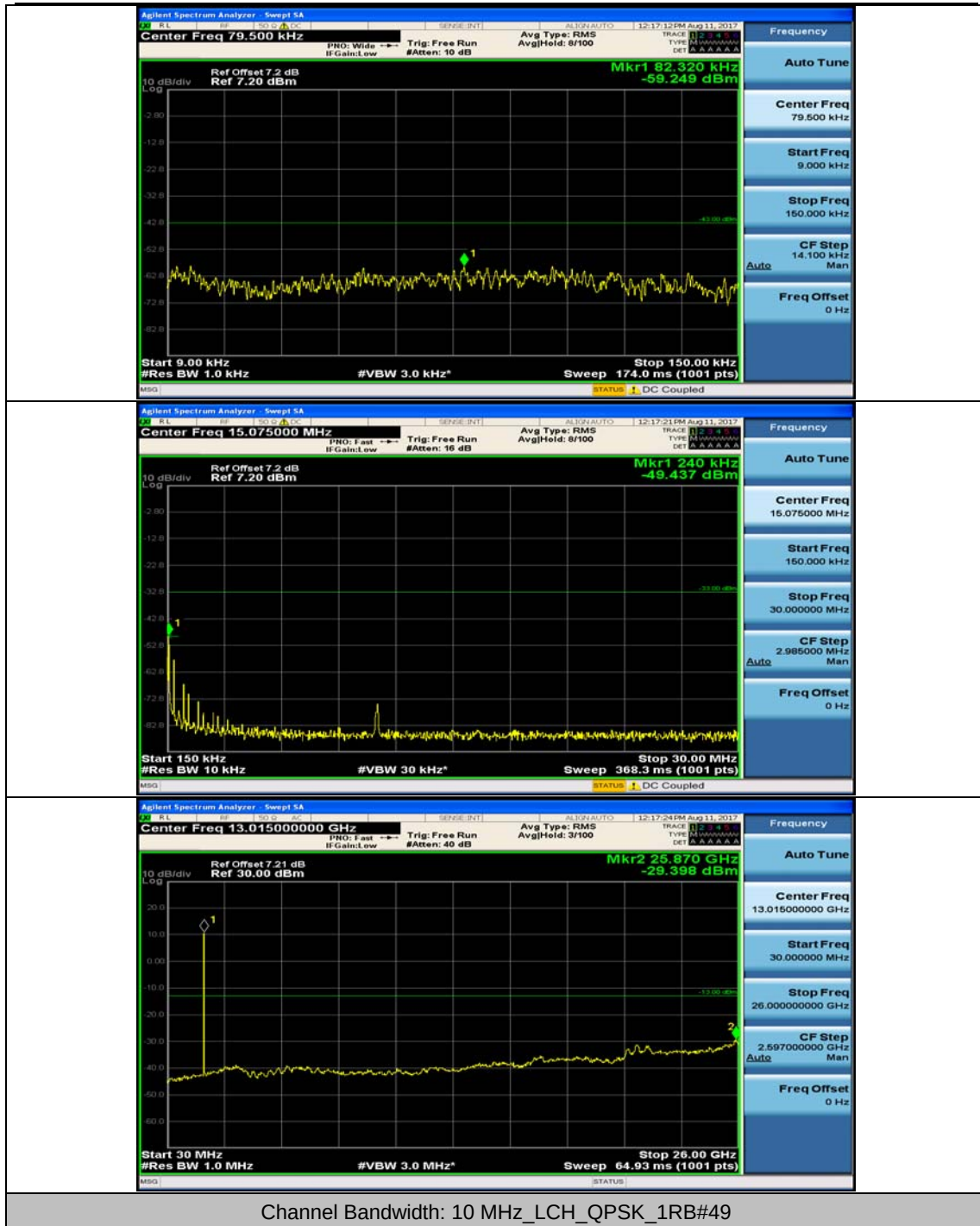
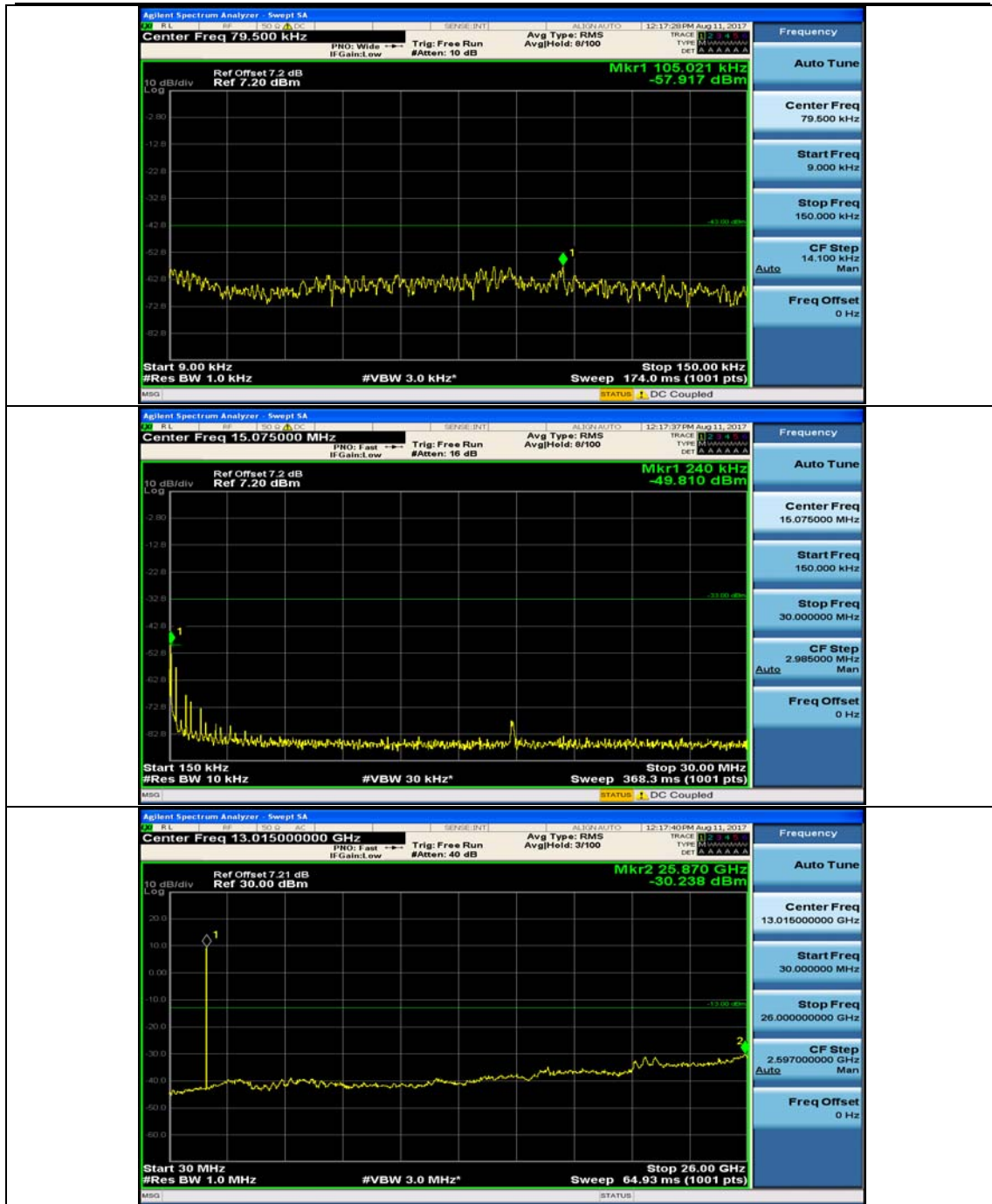
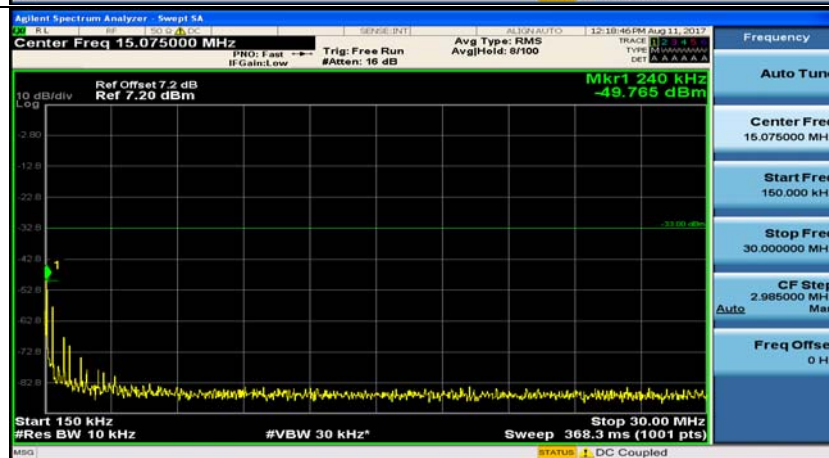


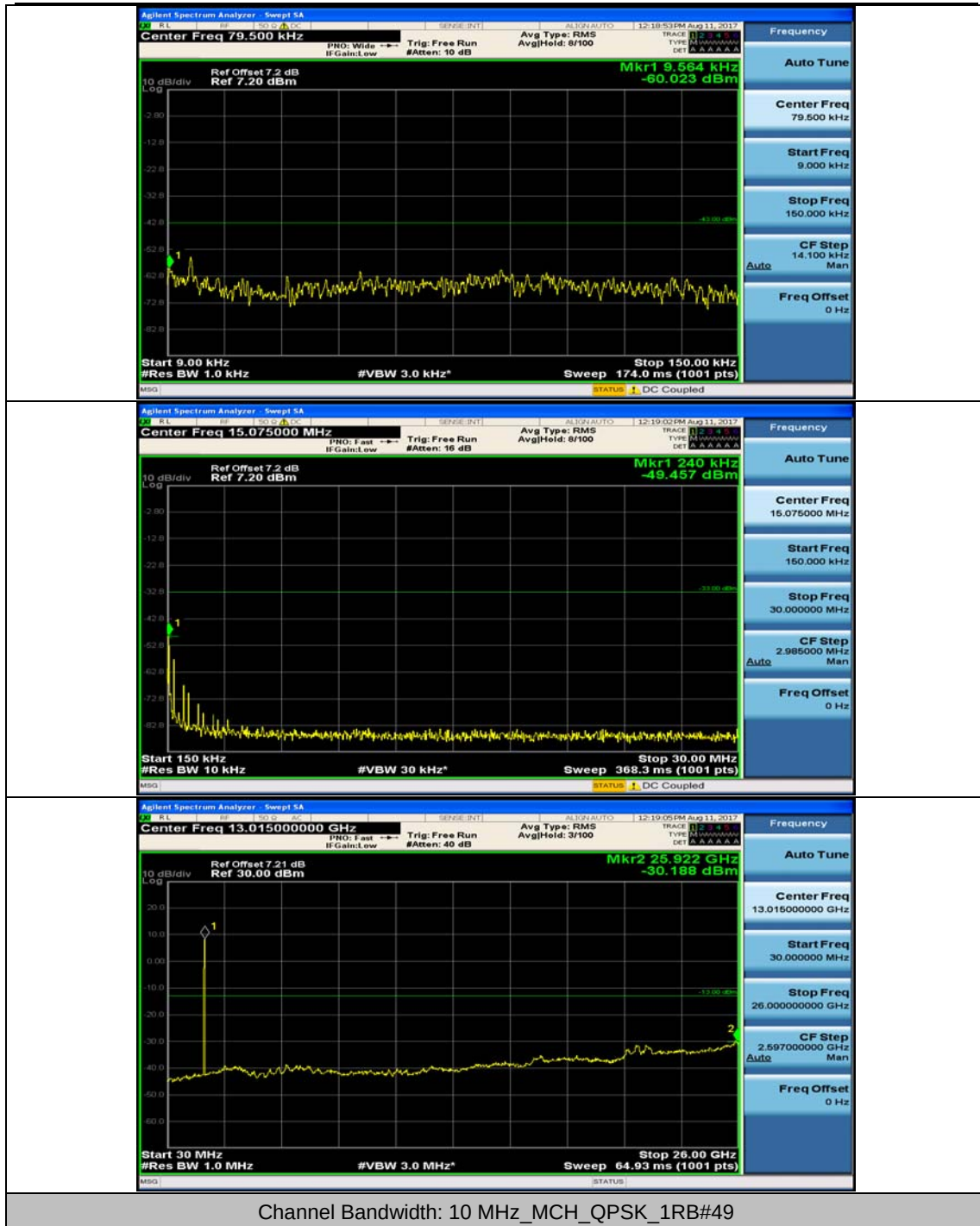


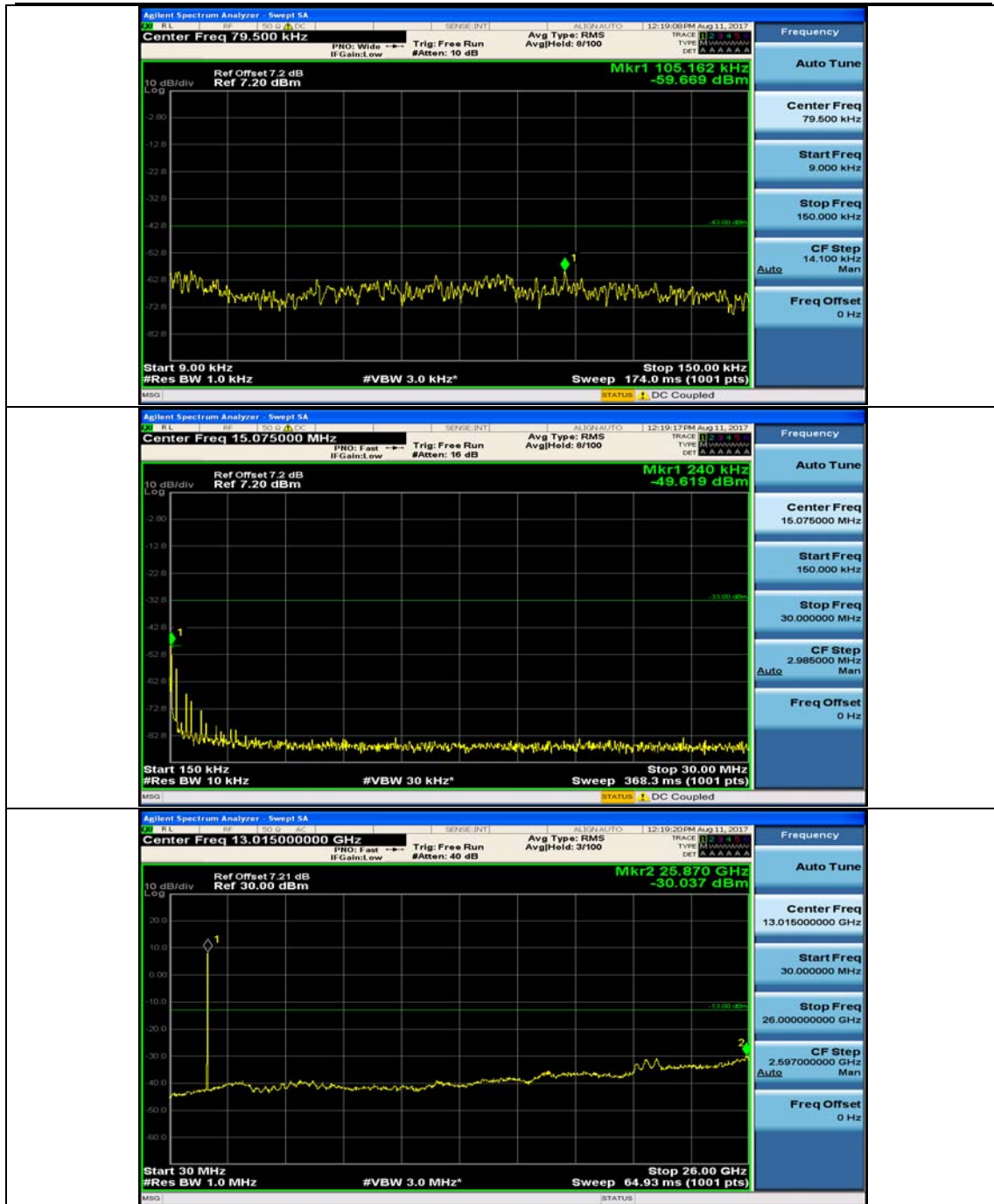


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

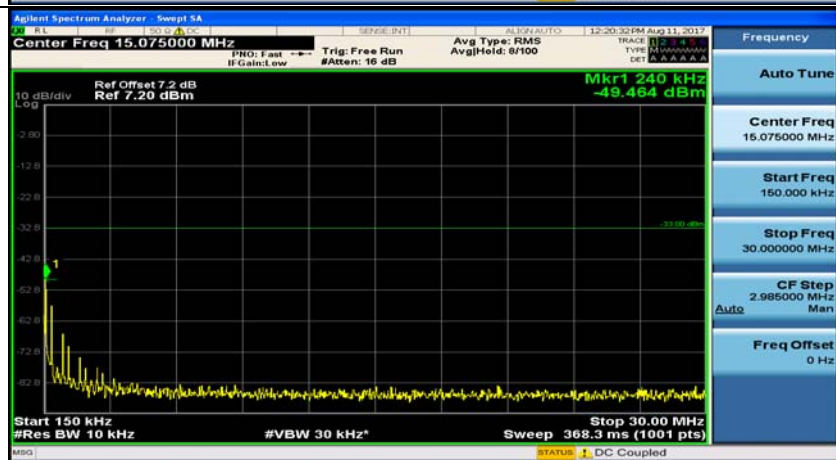
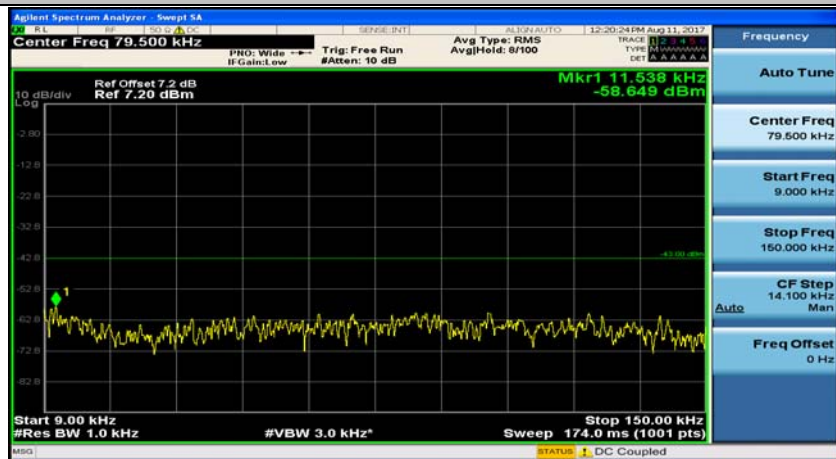


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

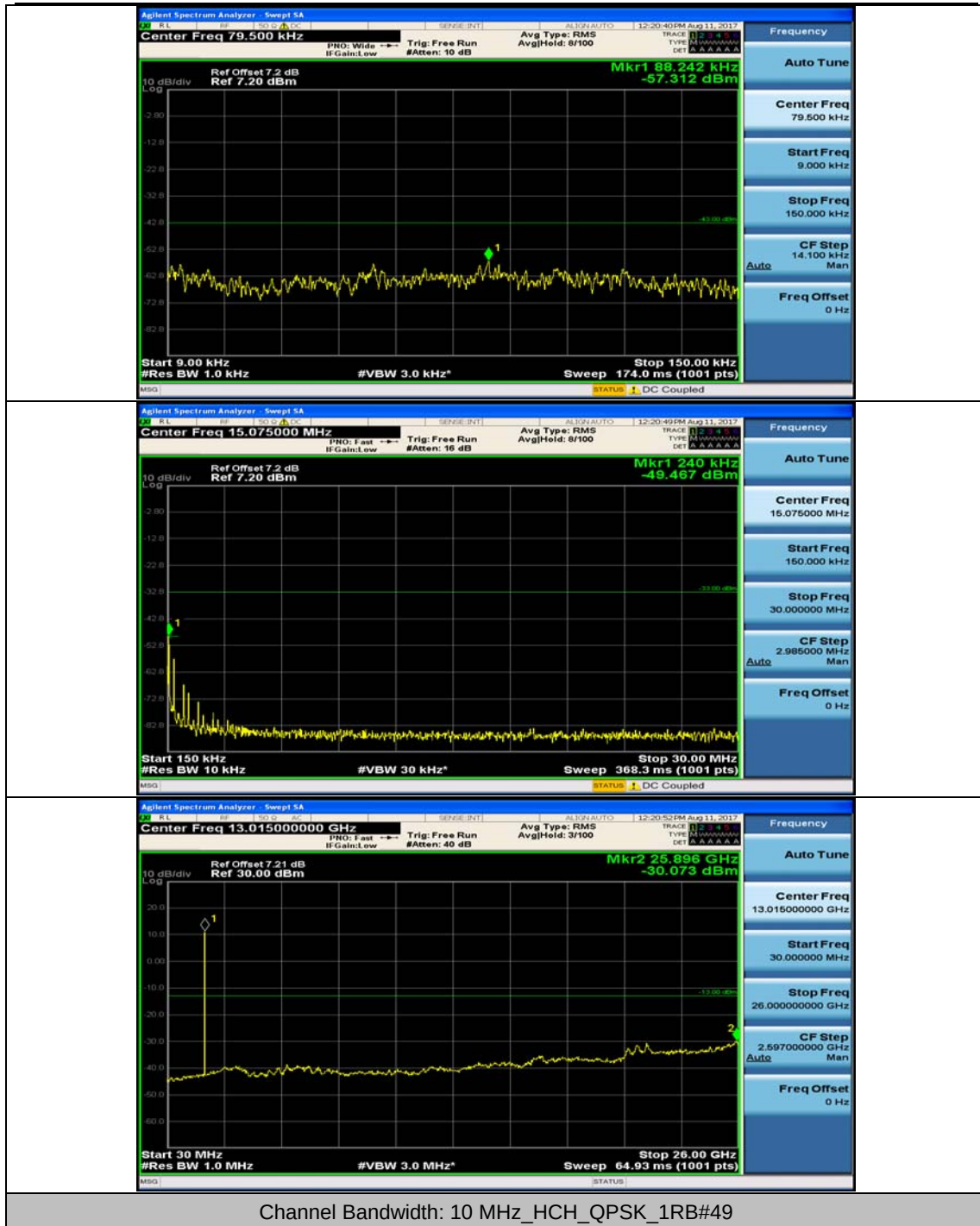




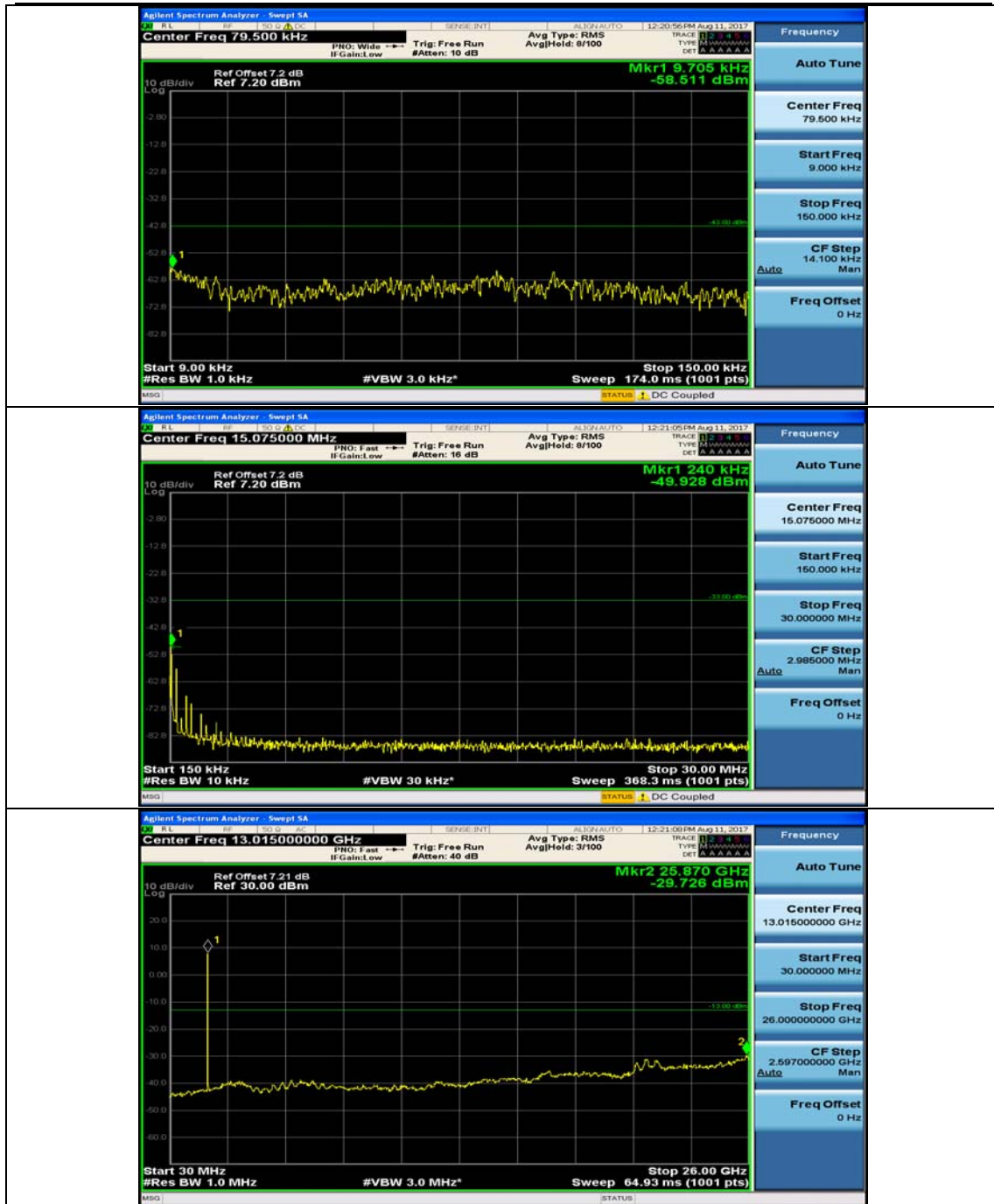
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



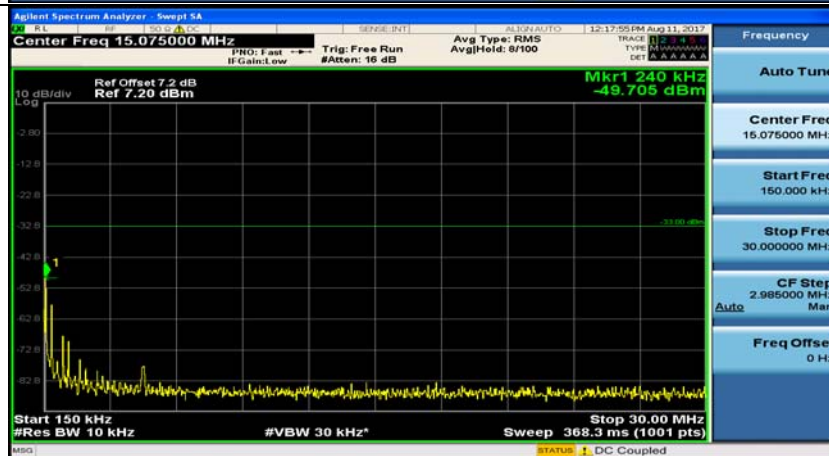
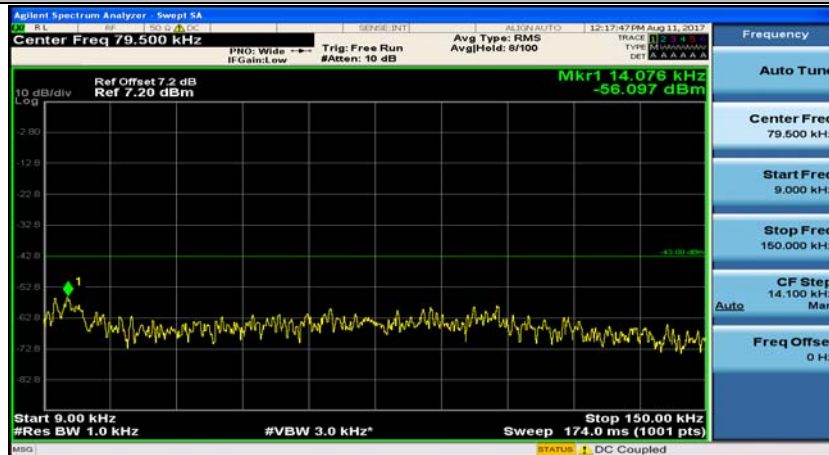
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



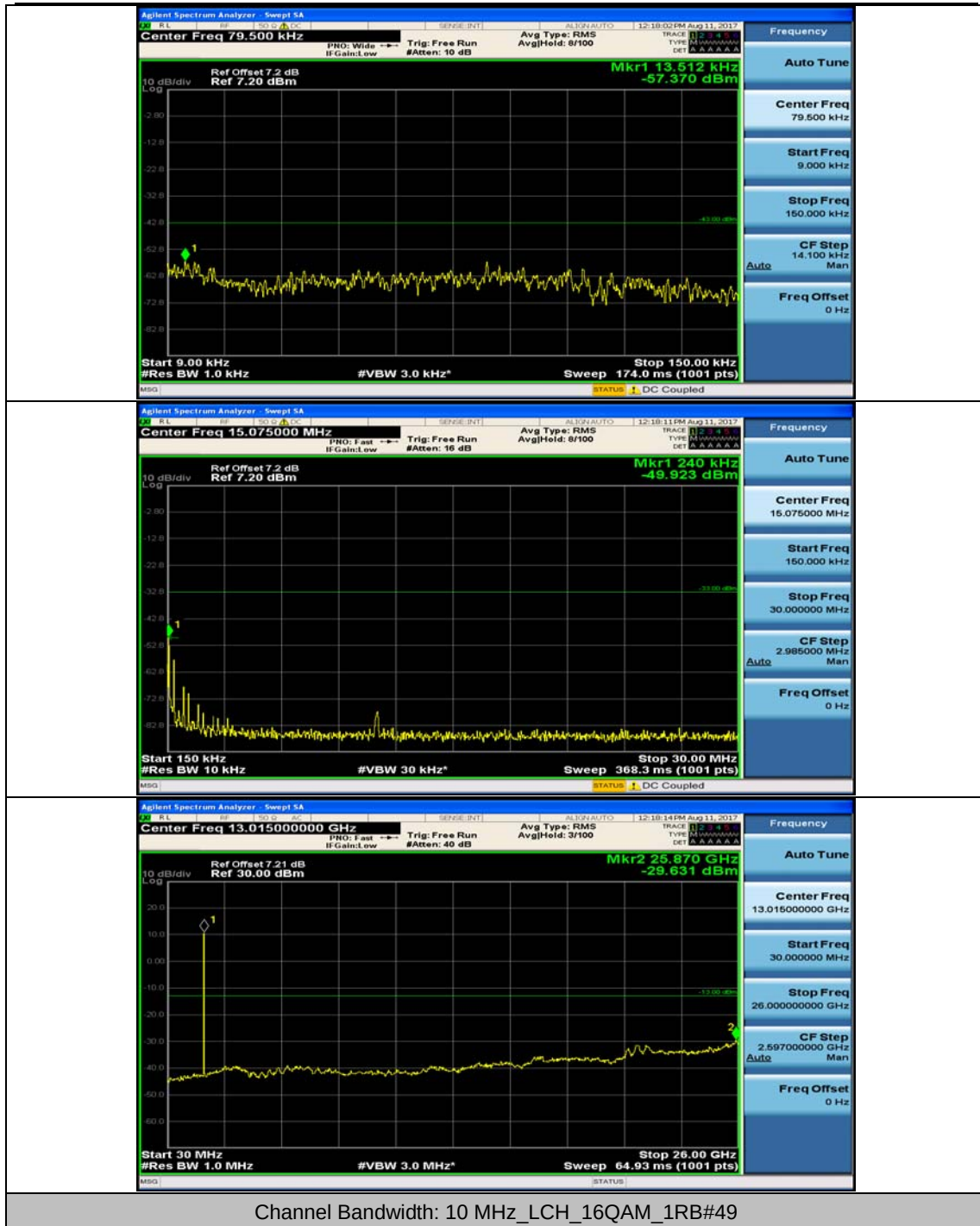
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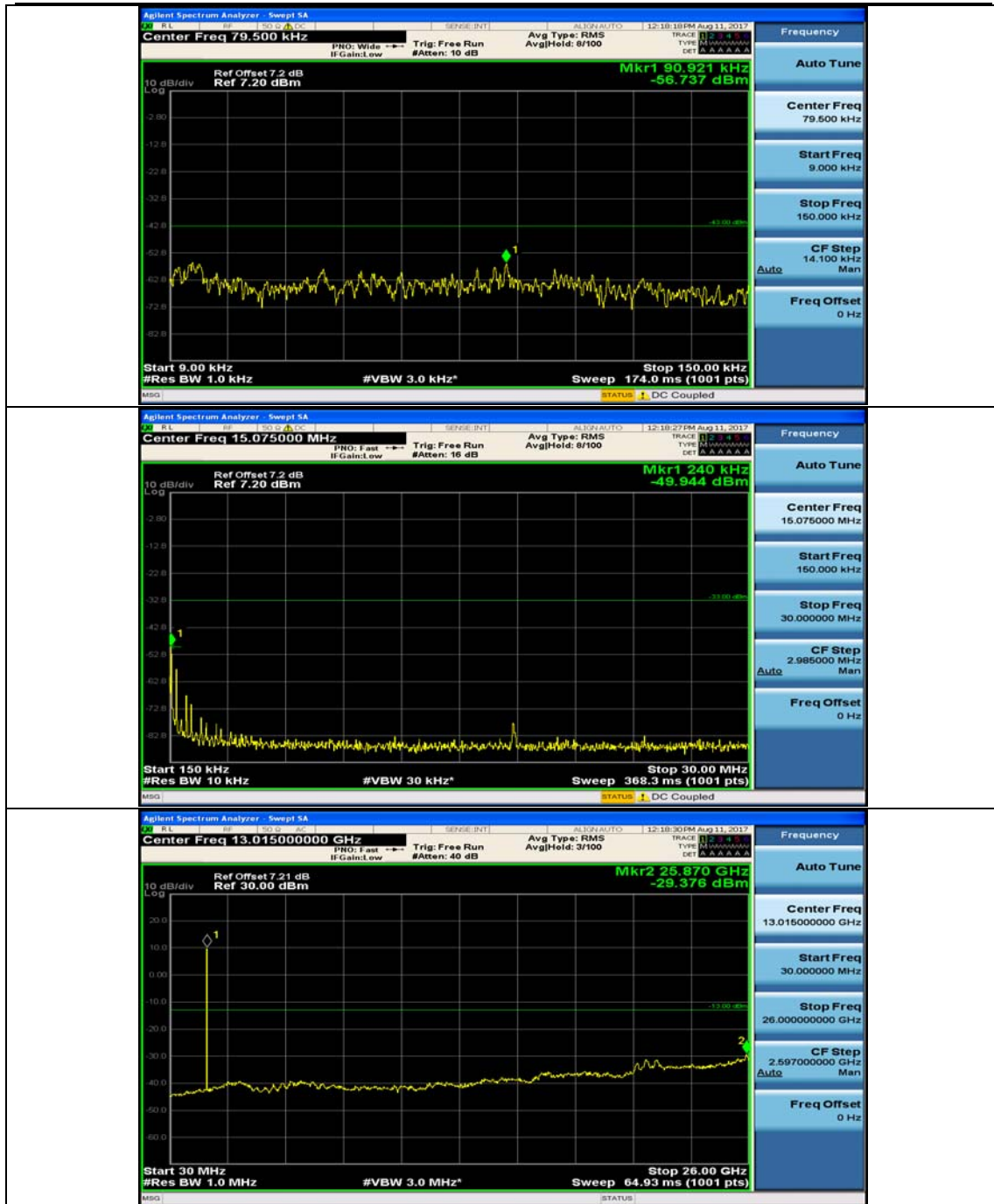


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

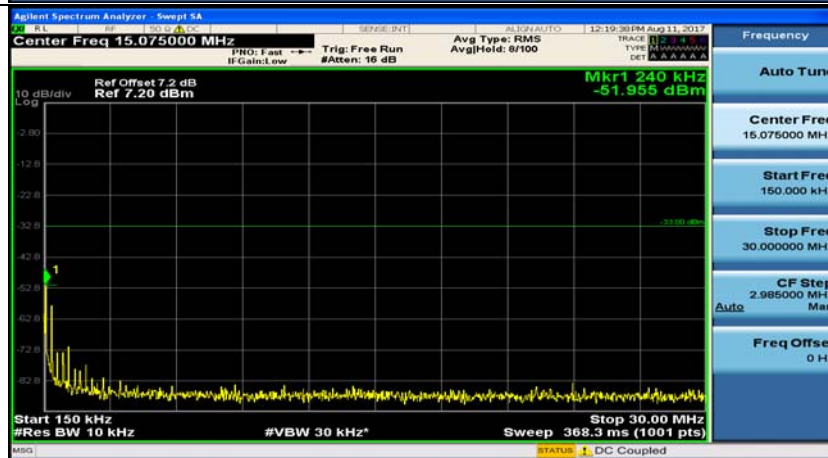
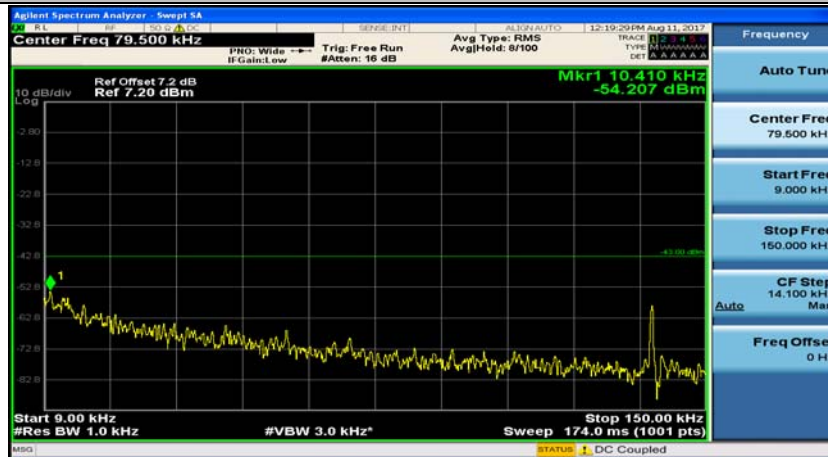


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

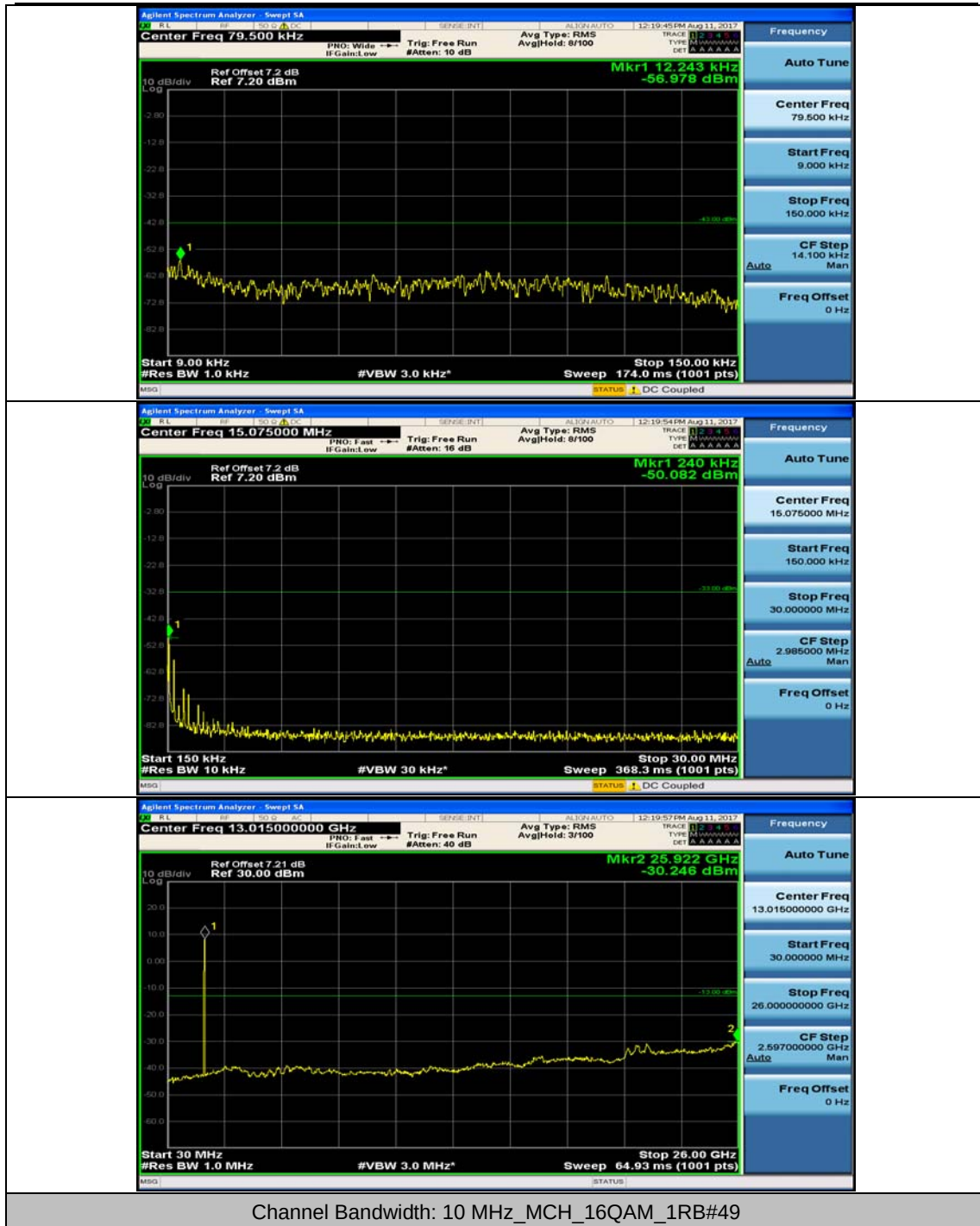


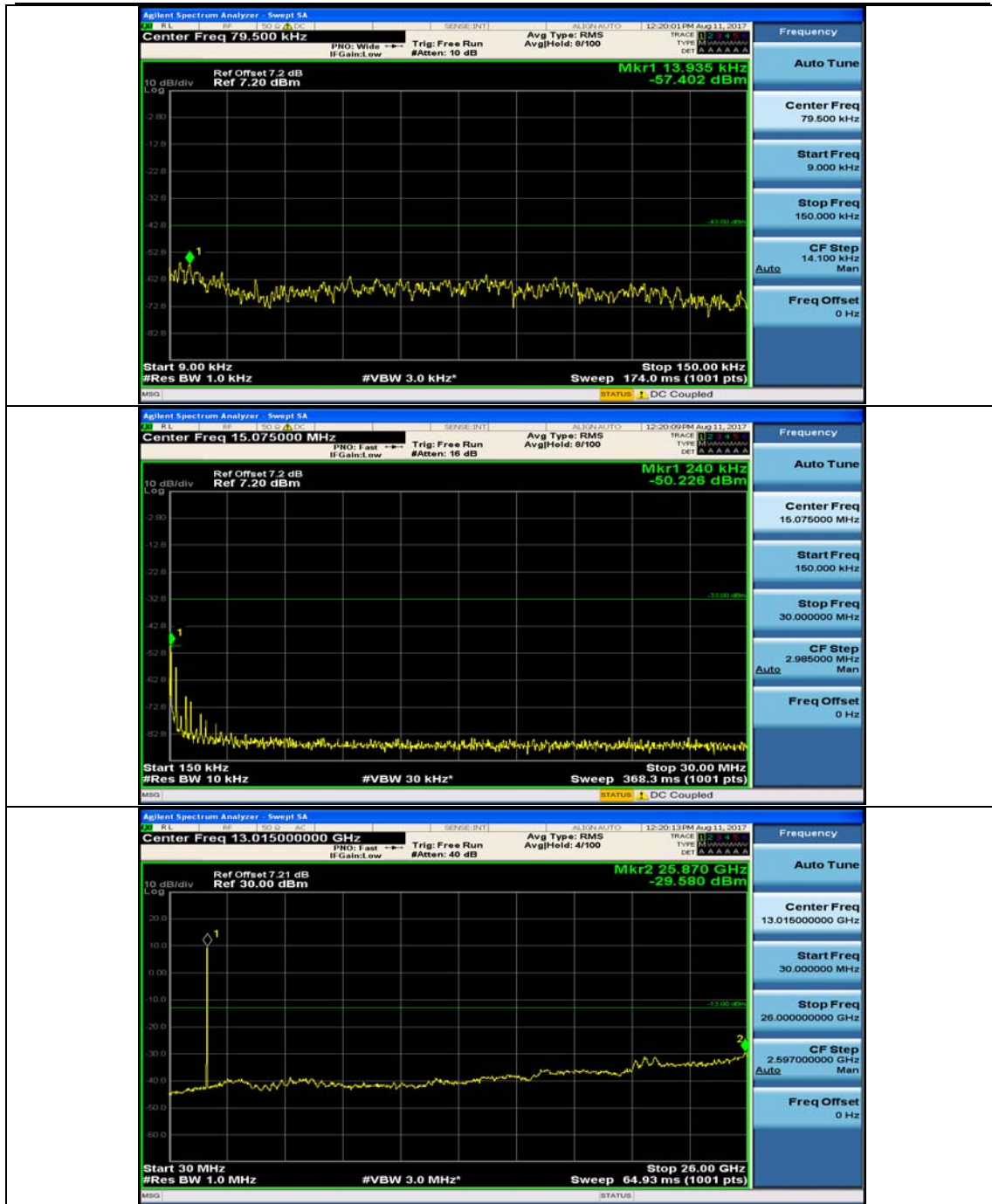


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

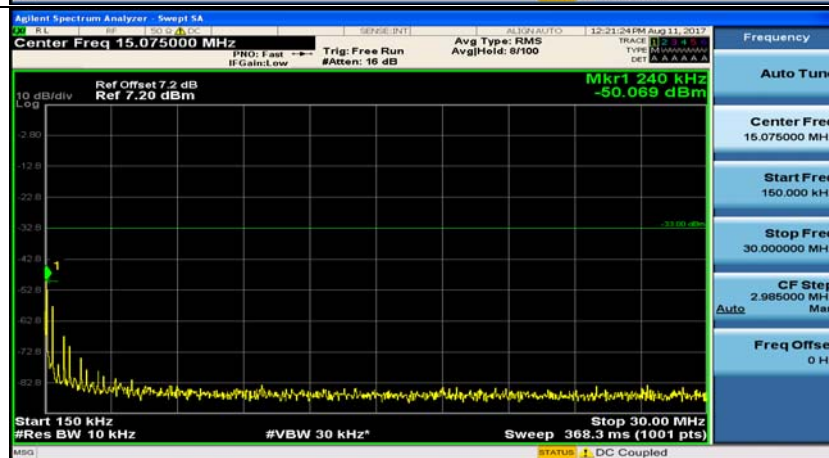
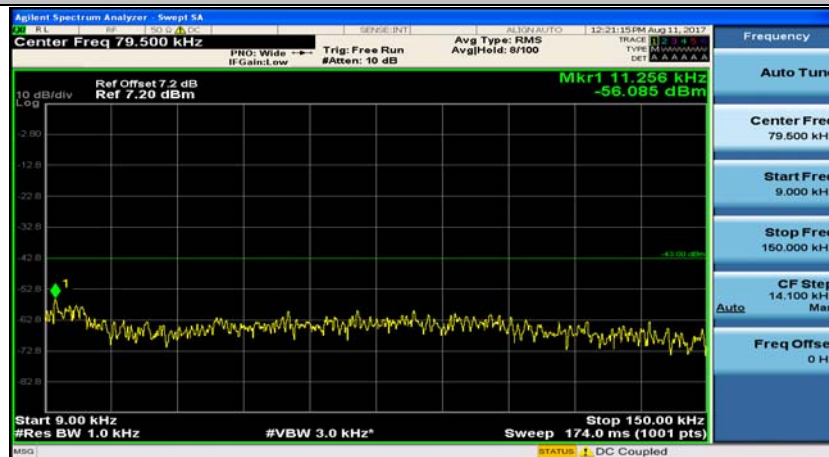


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

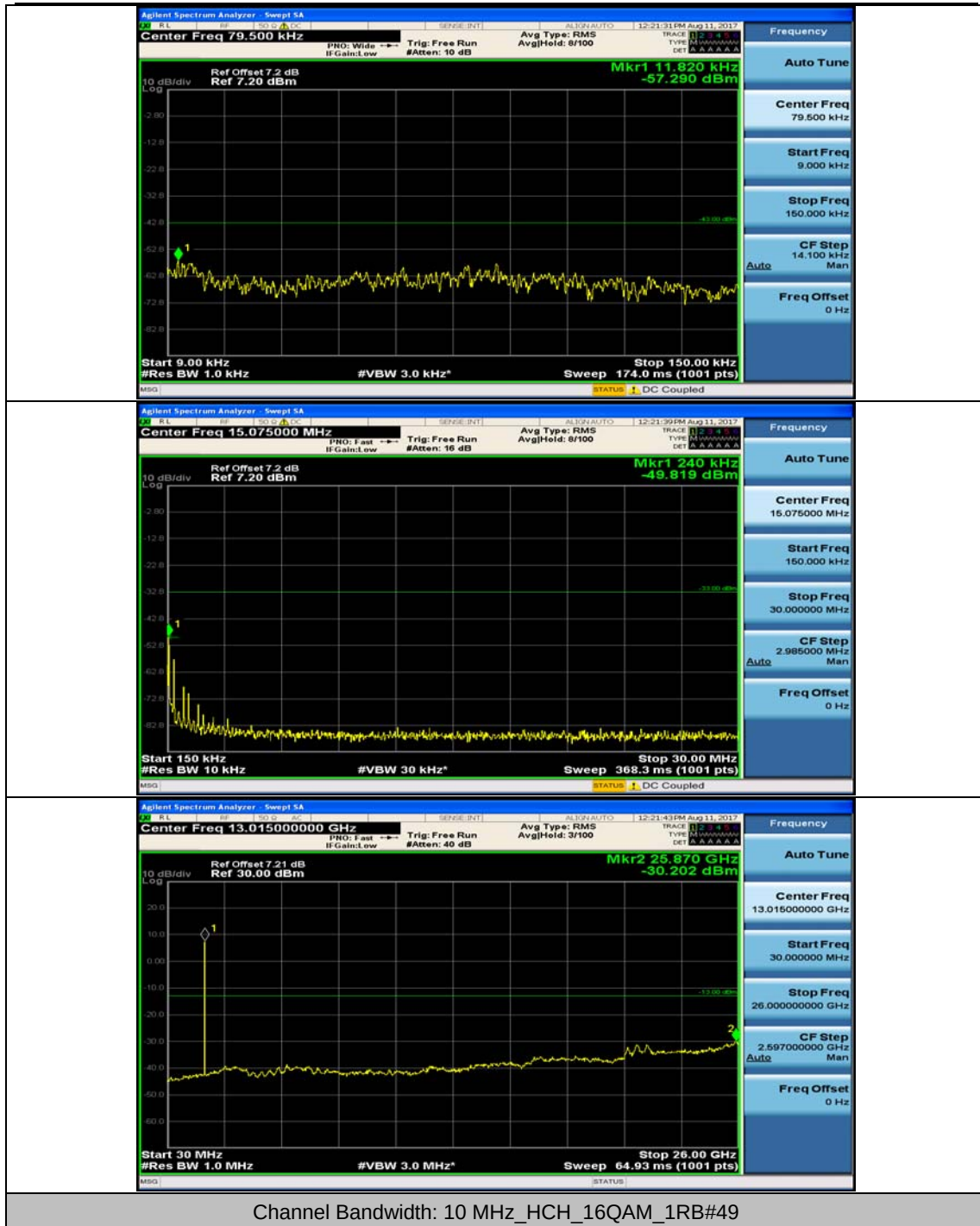


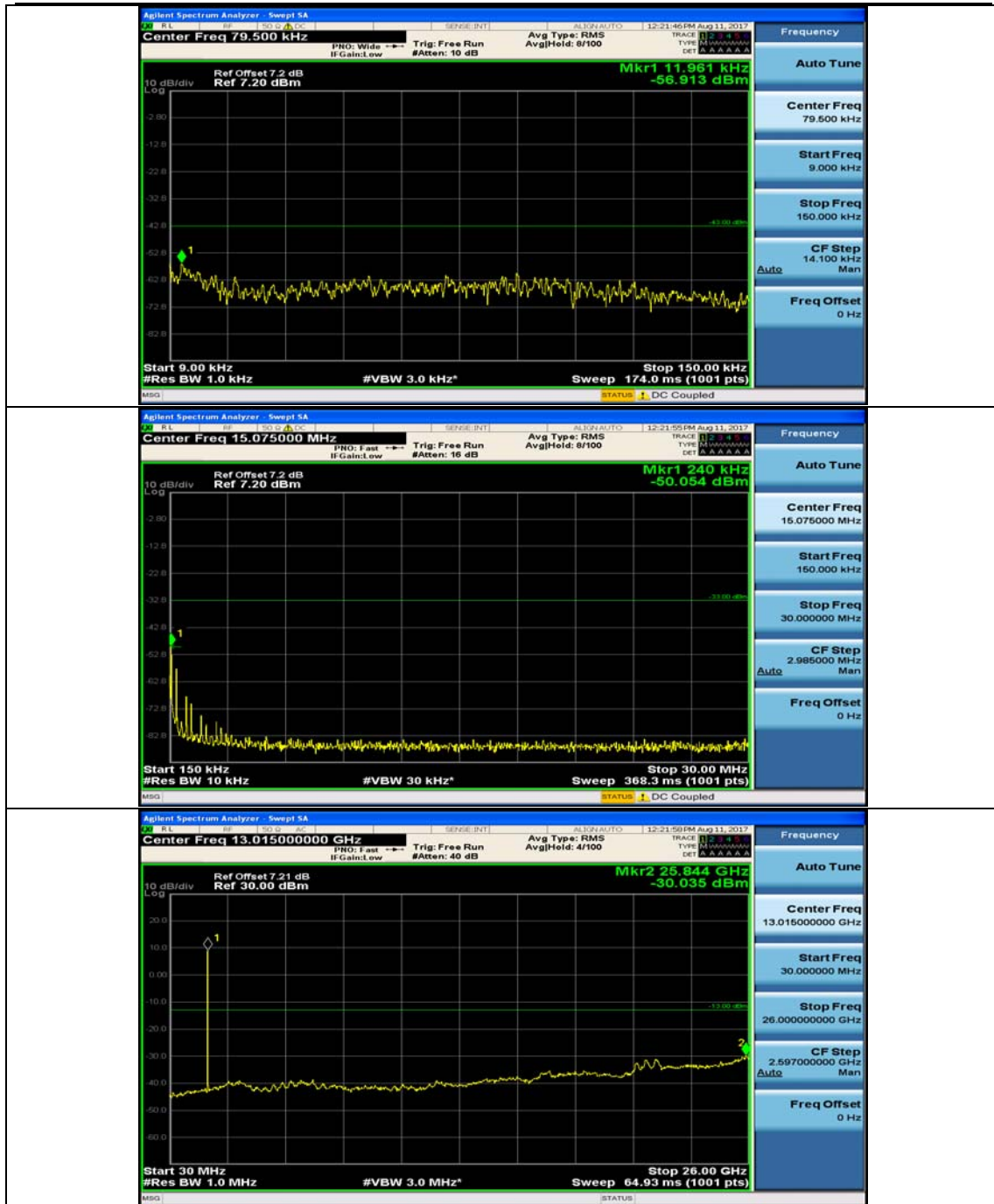


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

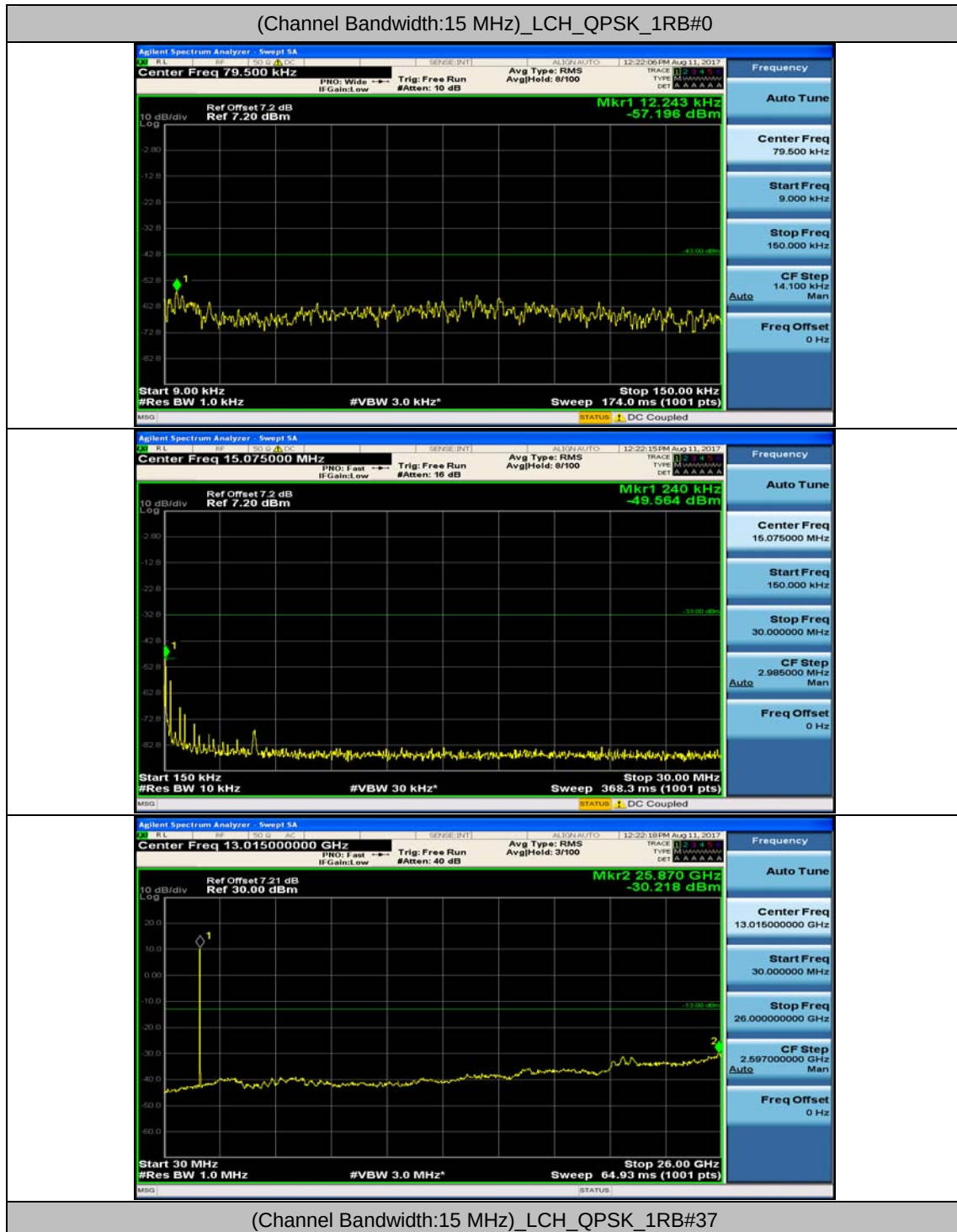


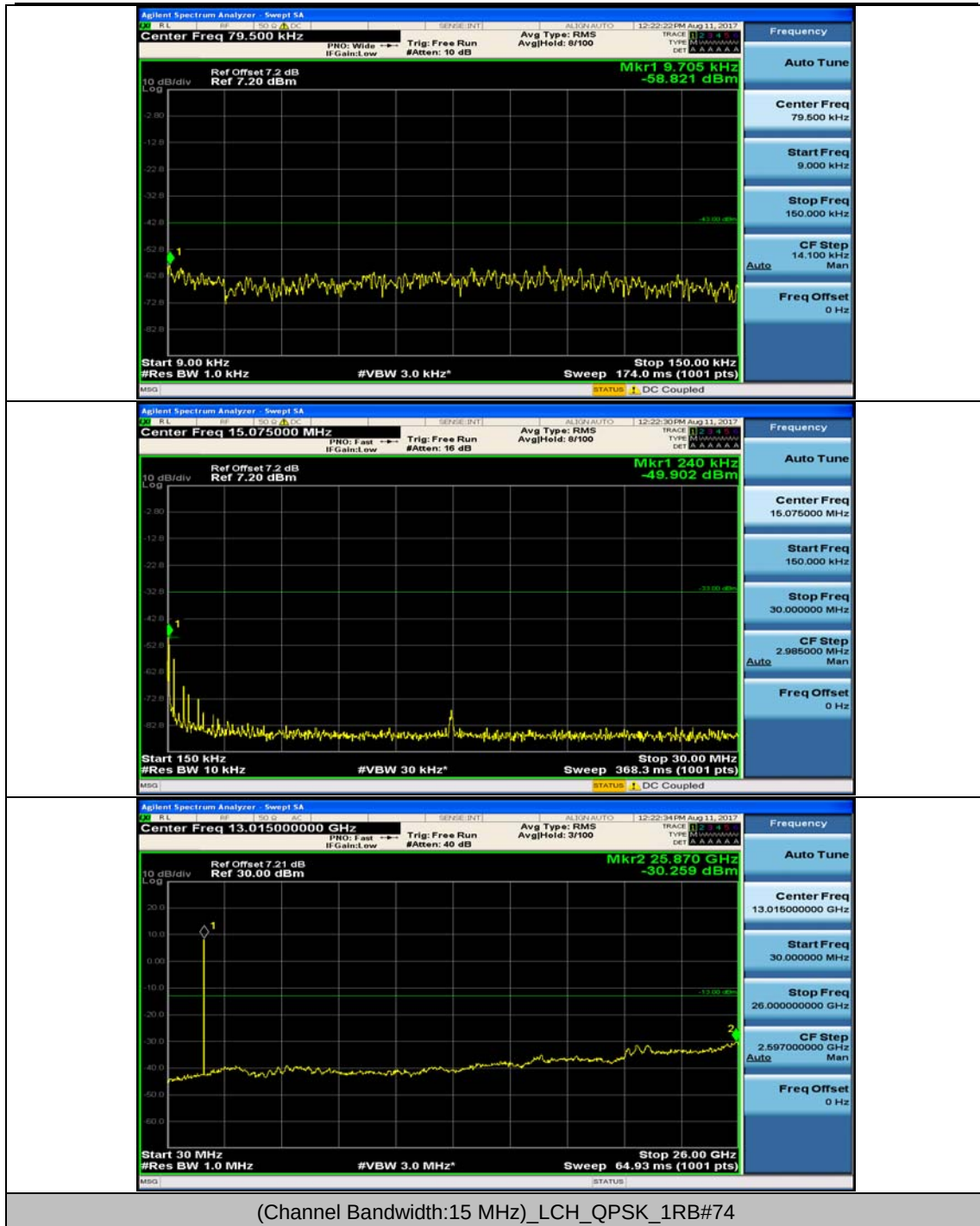
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

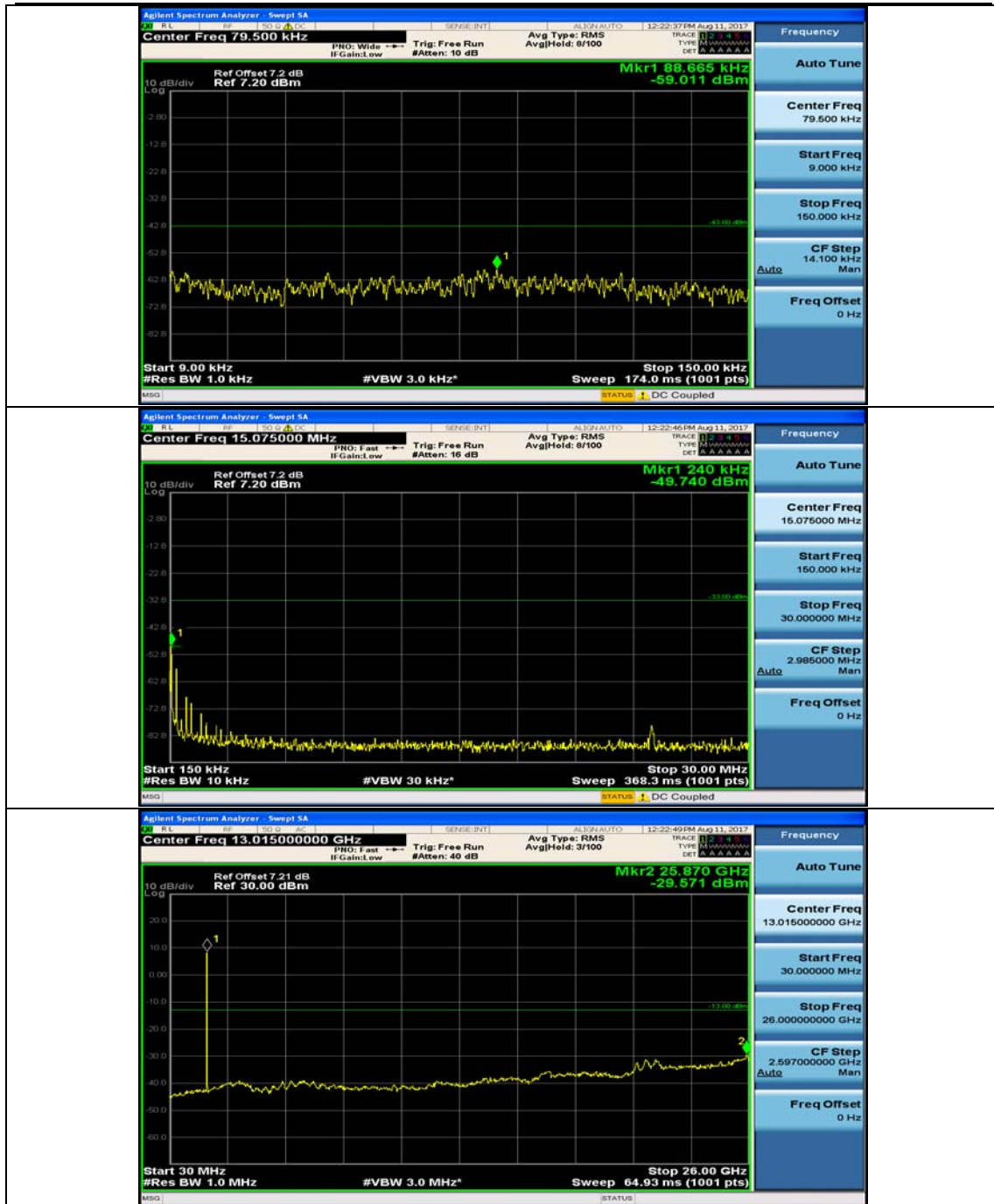




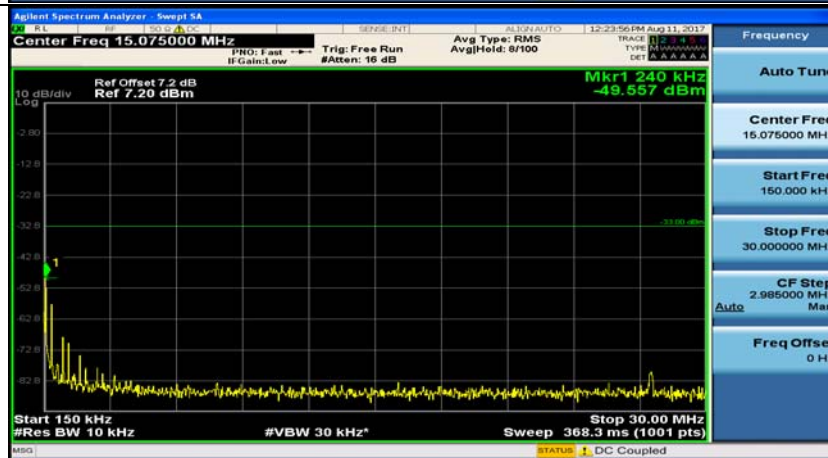
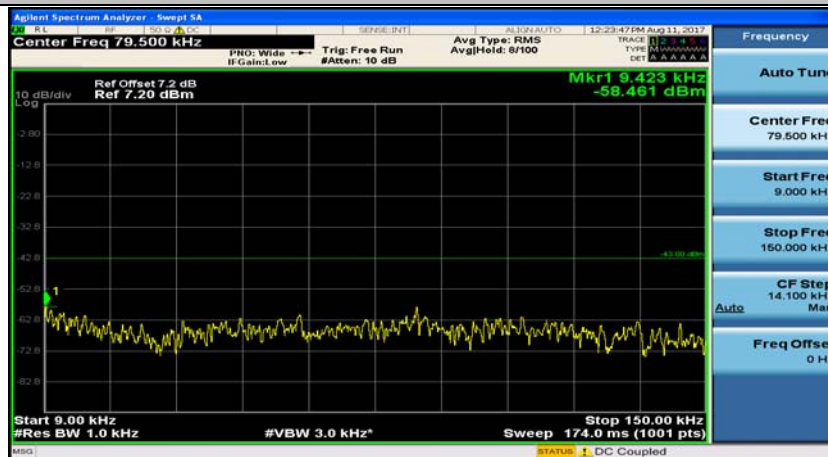
Channel Bandwidth: 15 MHz



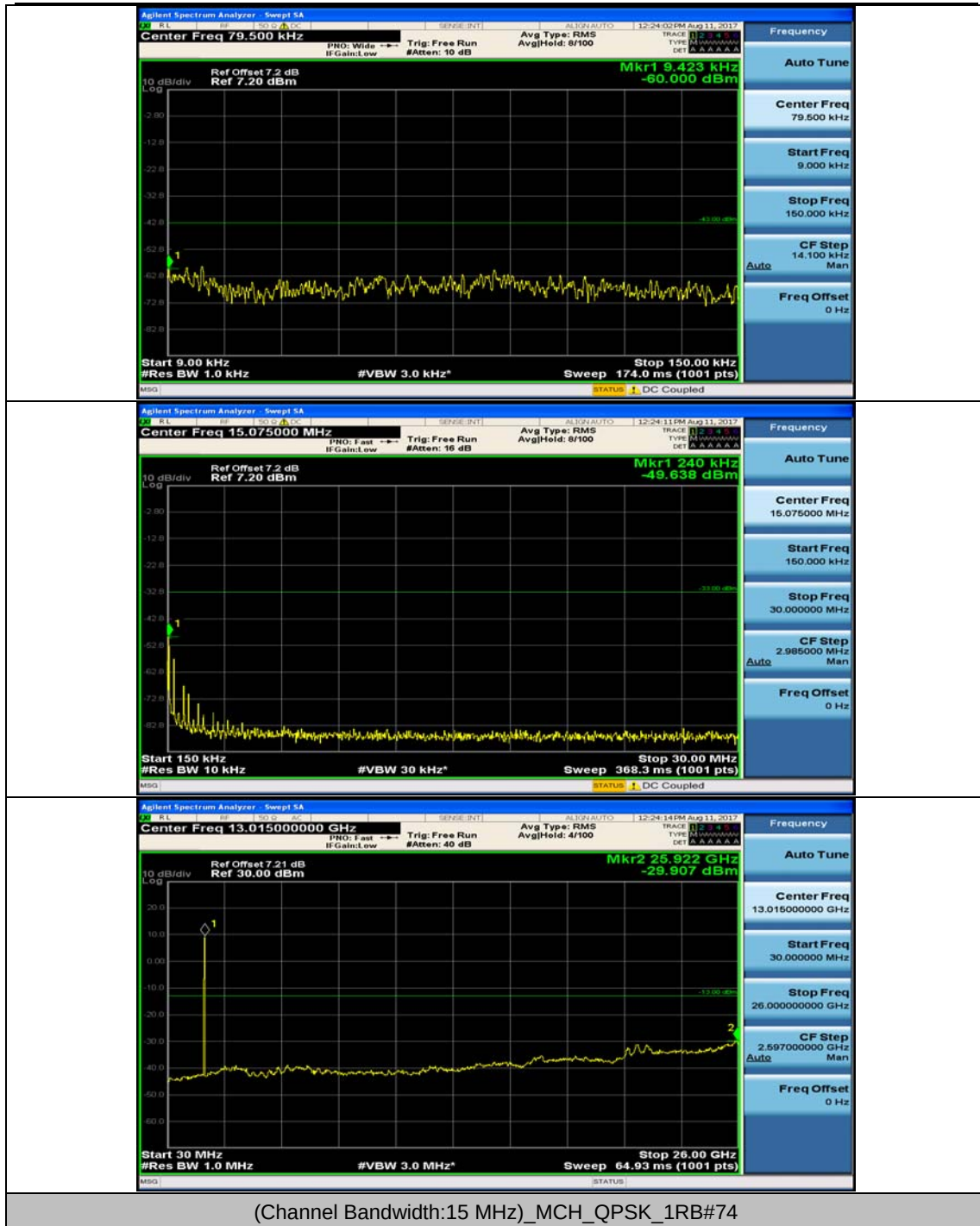


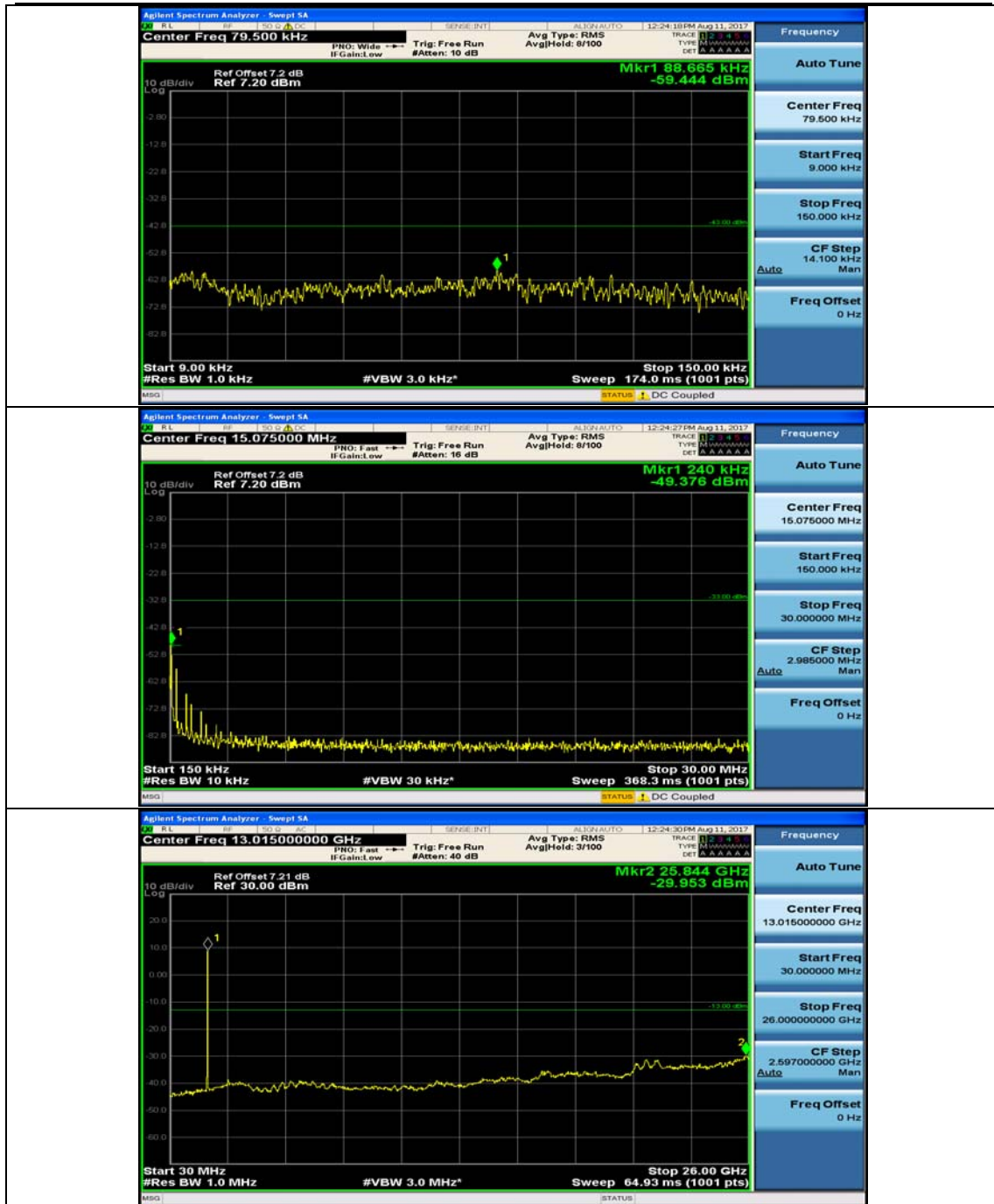


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

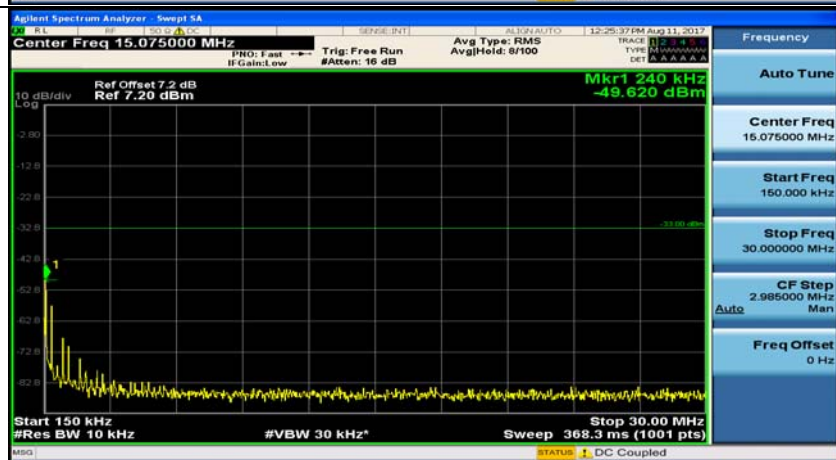
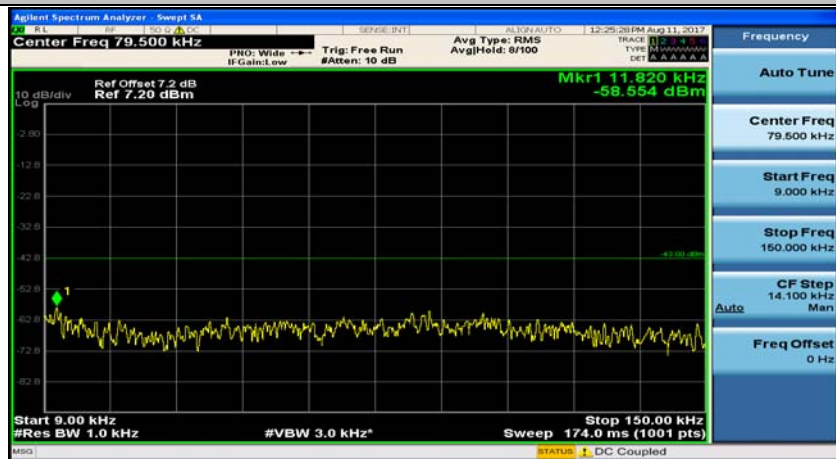


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

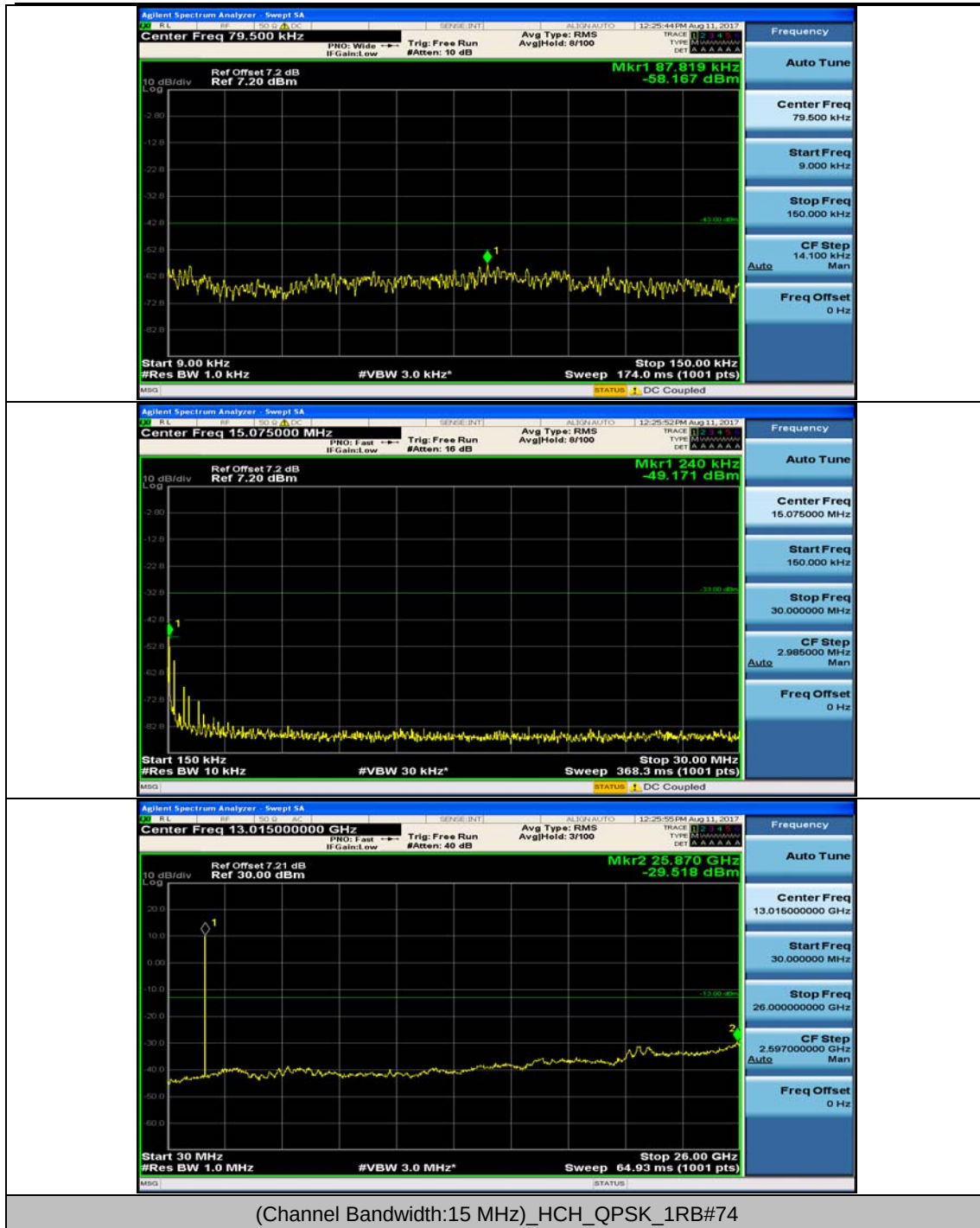


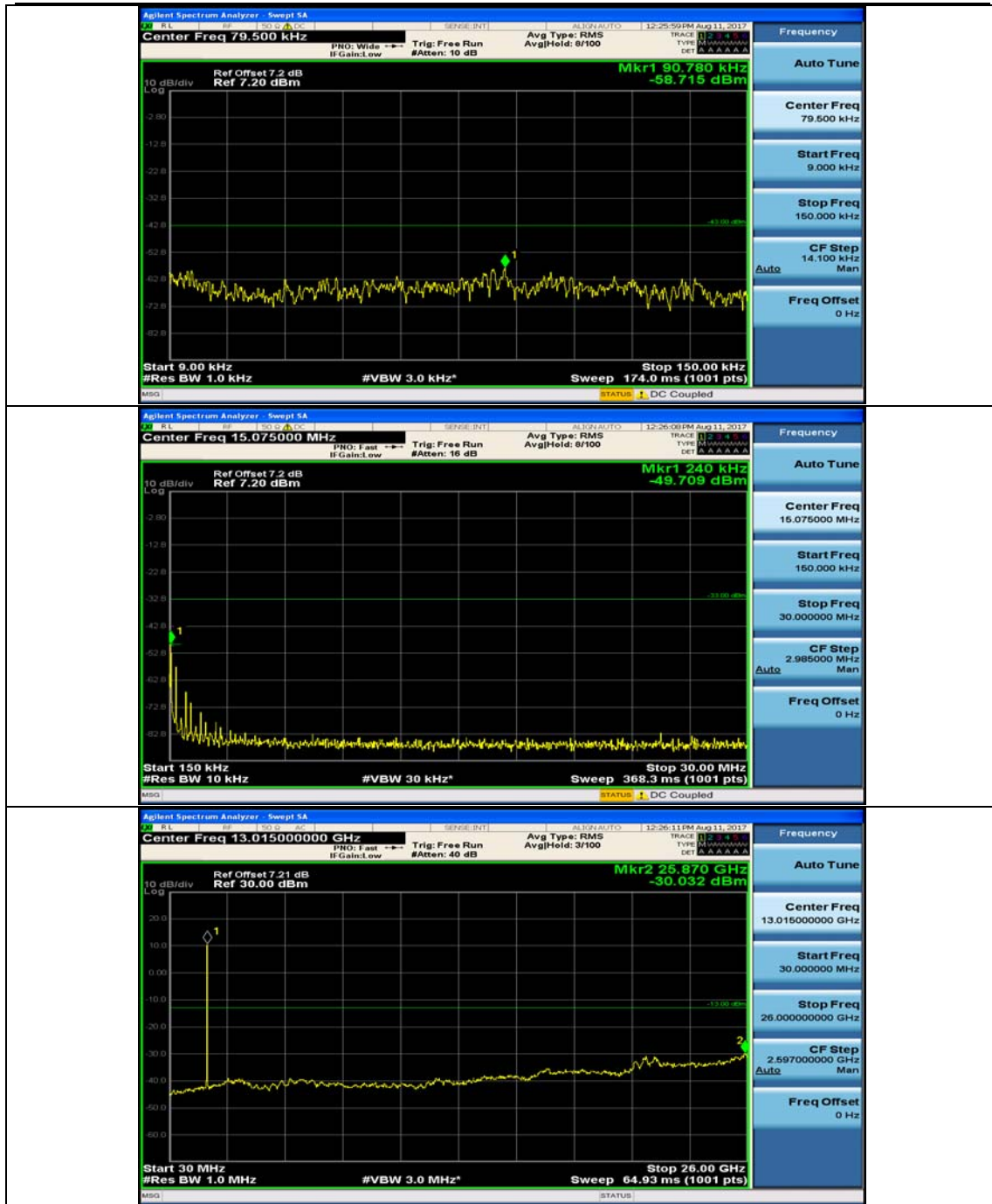


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

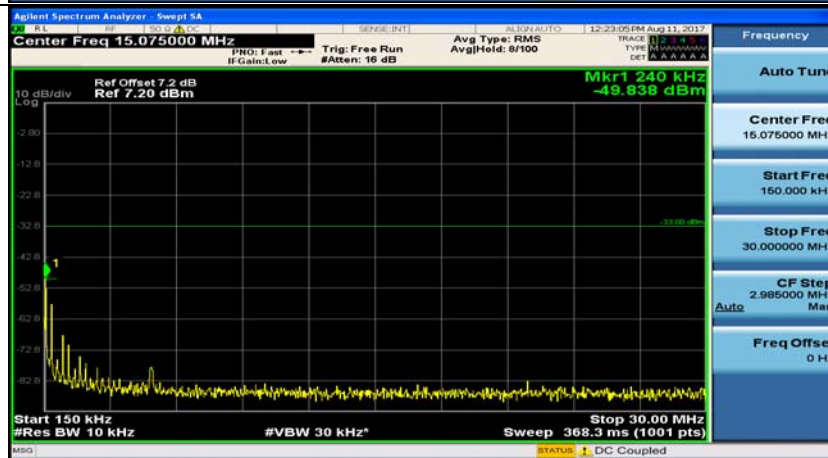
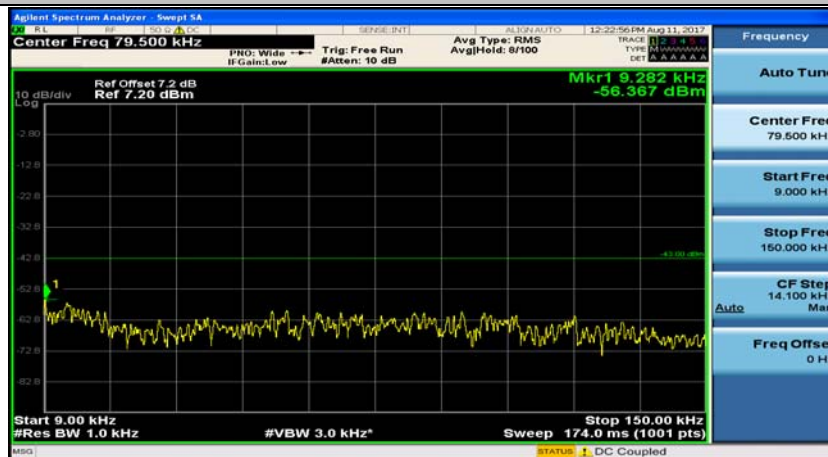


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

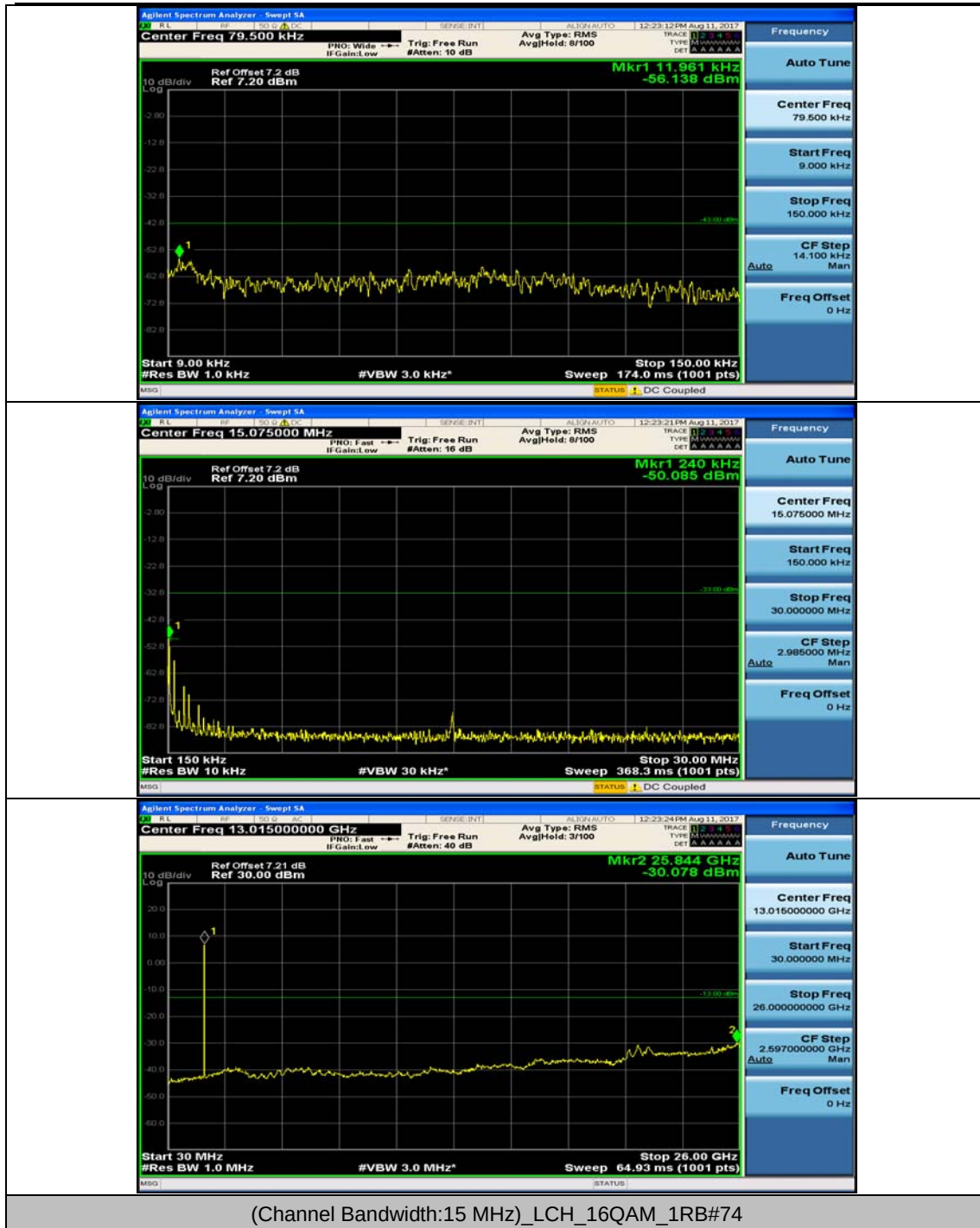


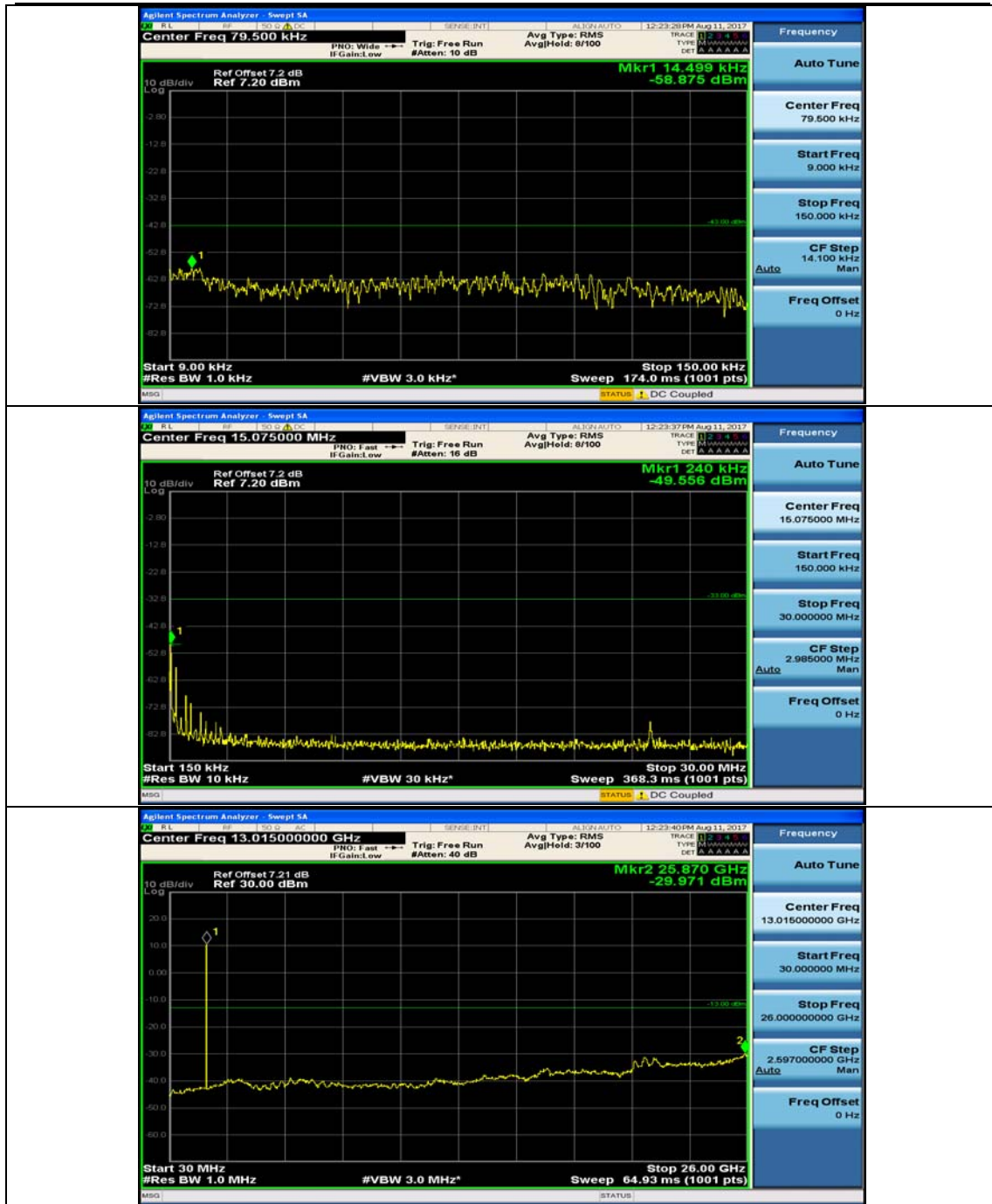


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

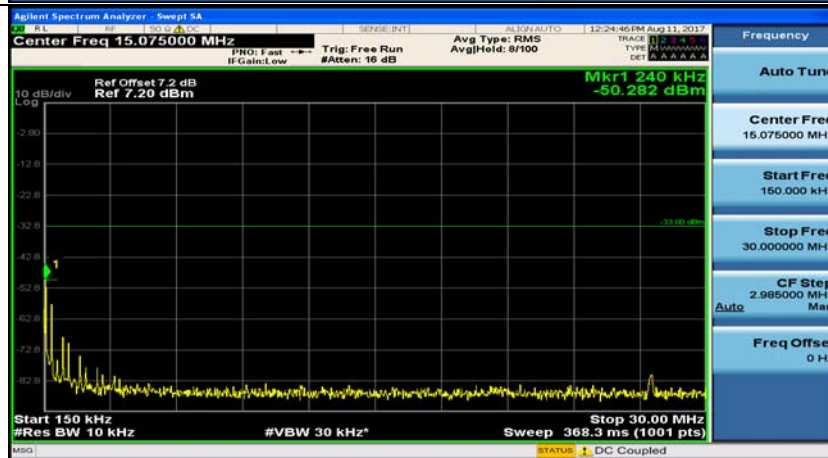
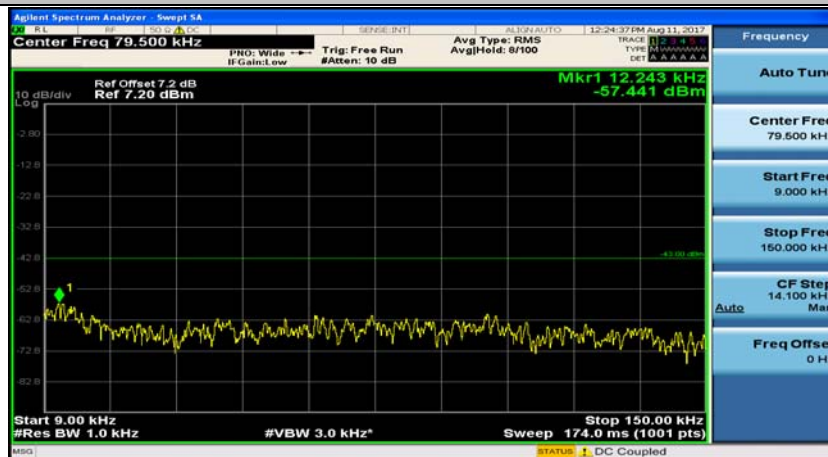


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

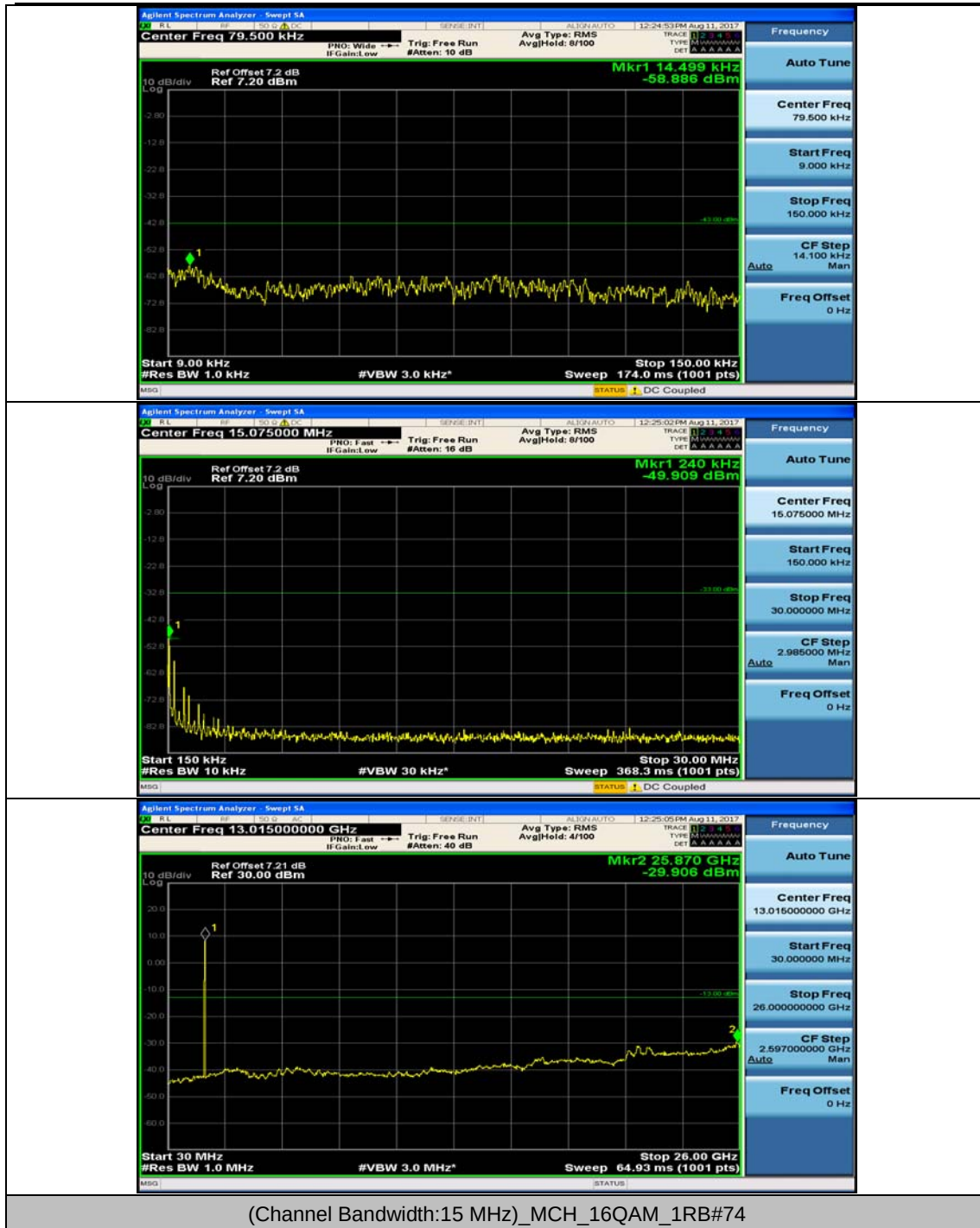


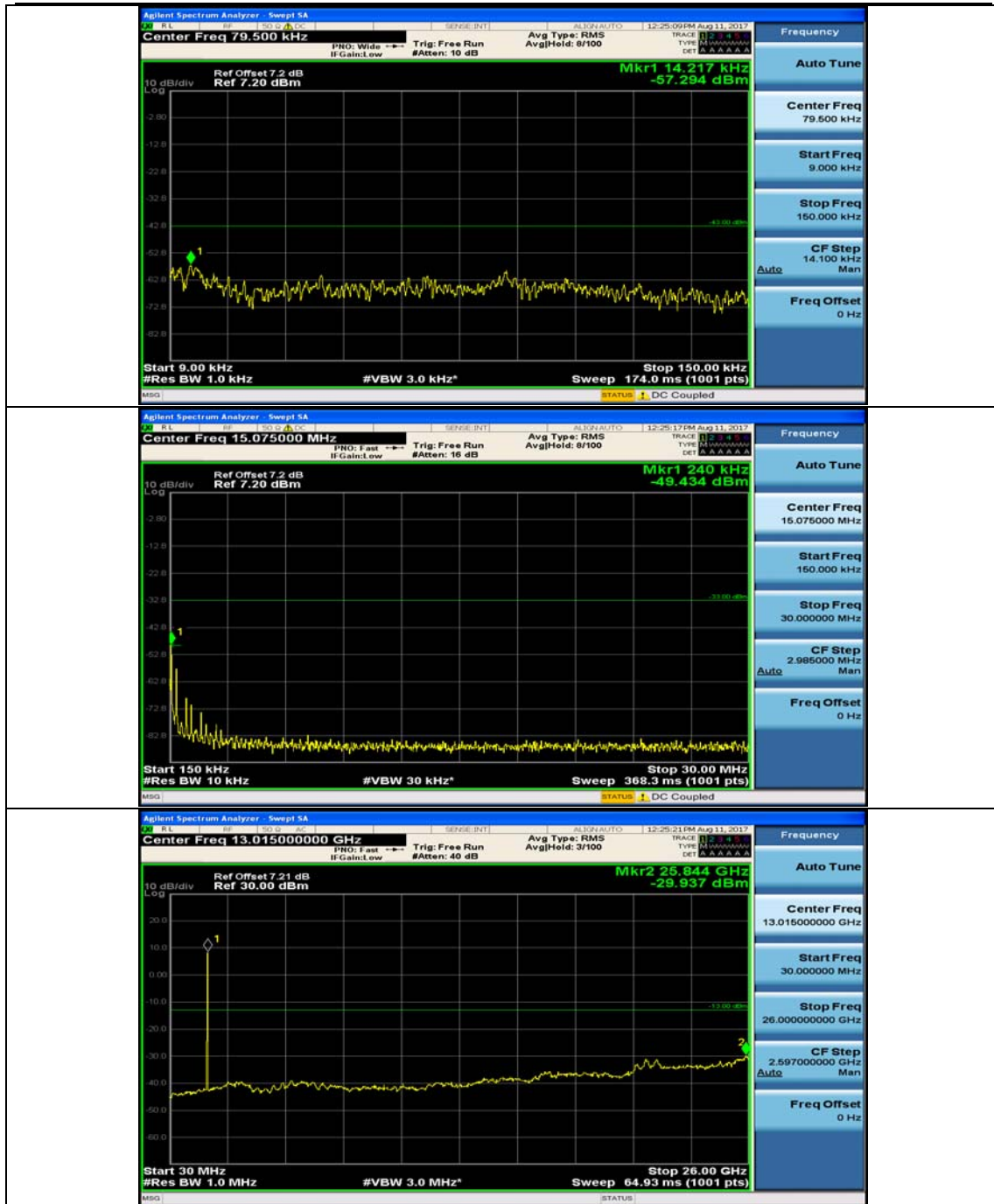


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

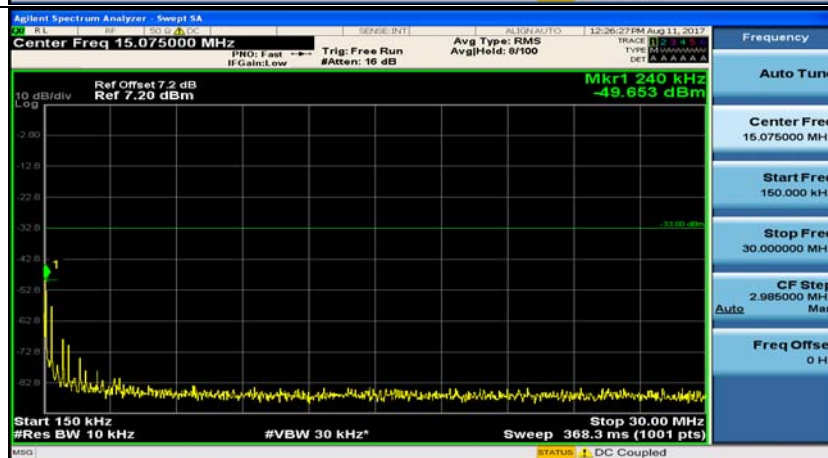
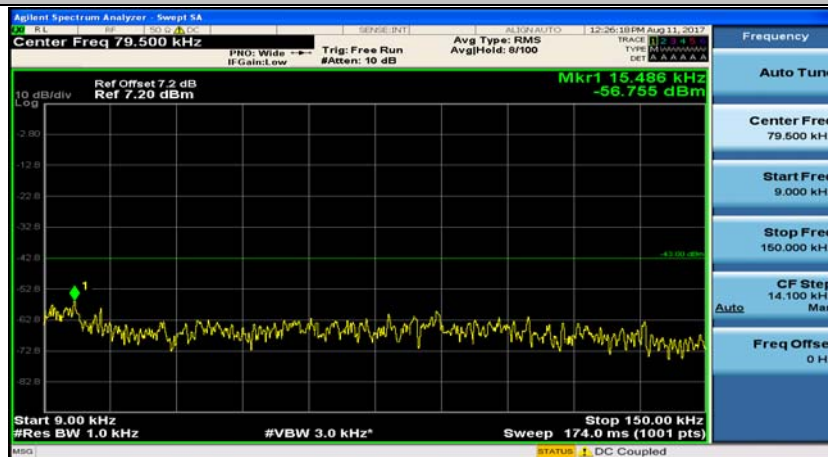


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

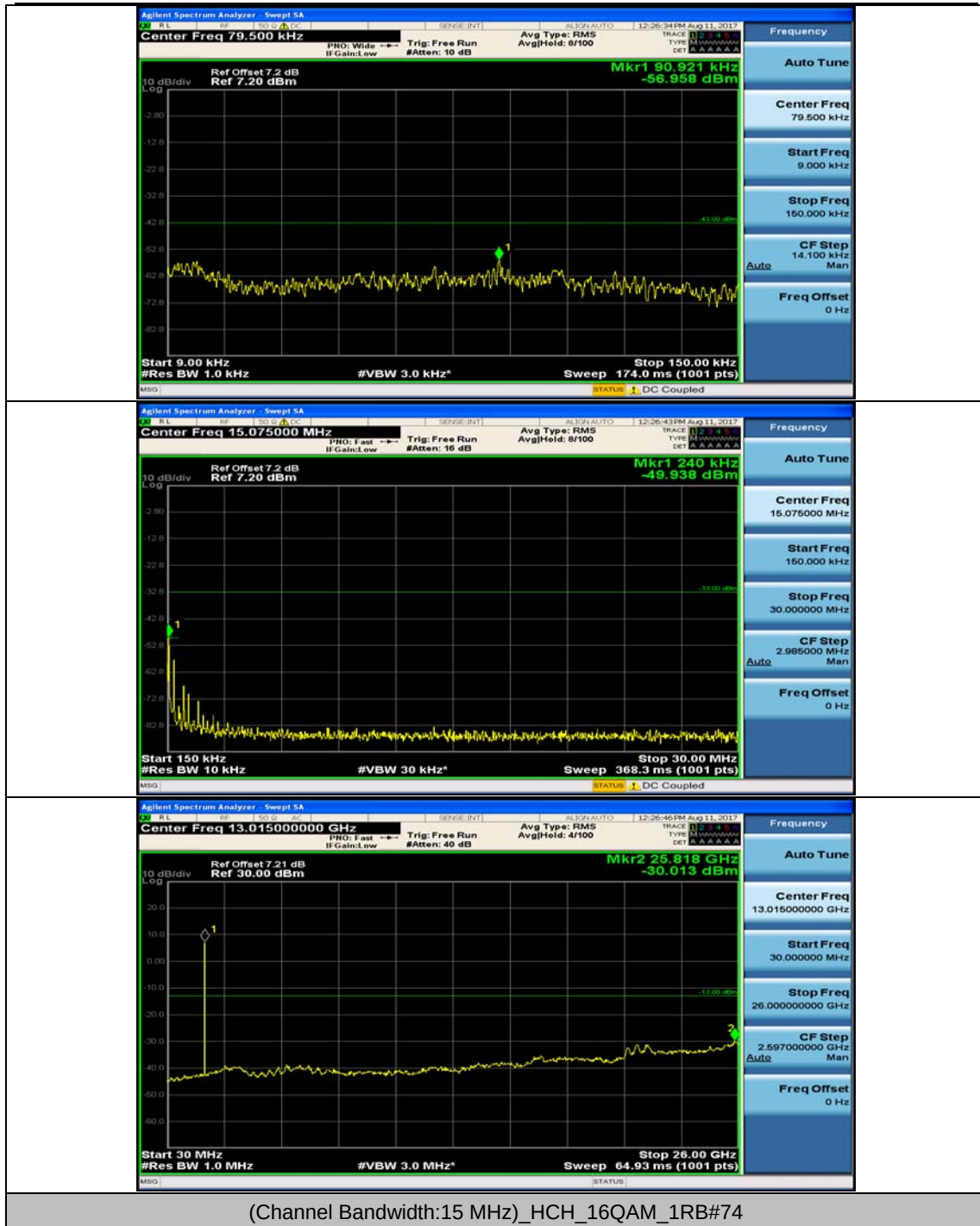


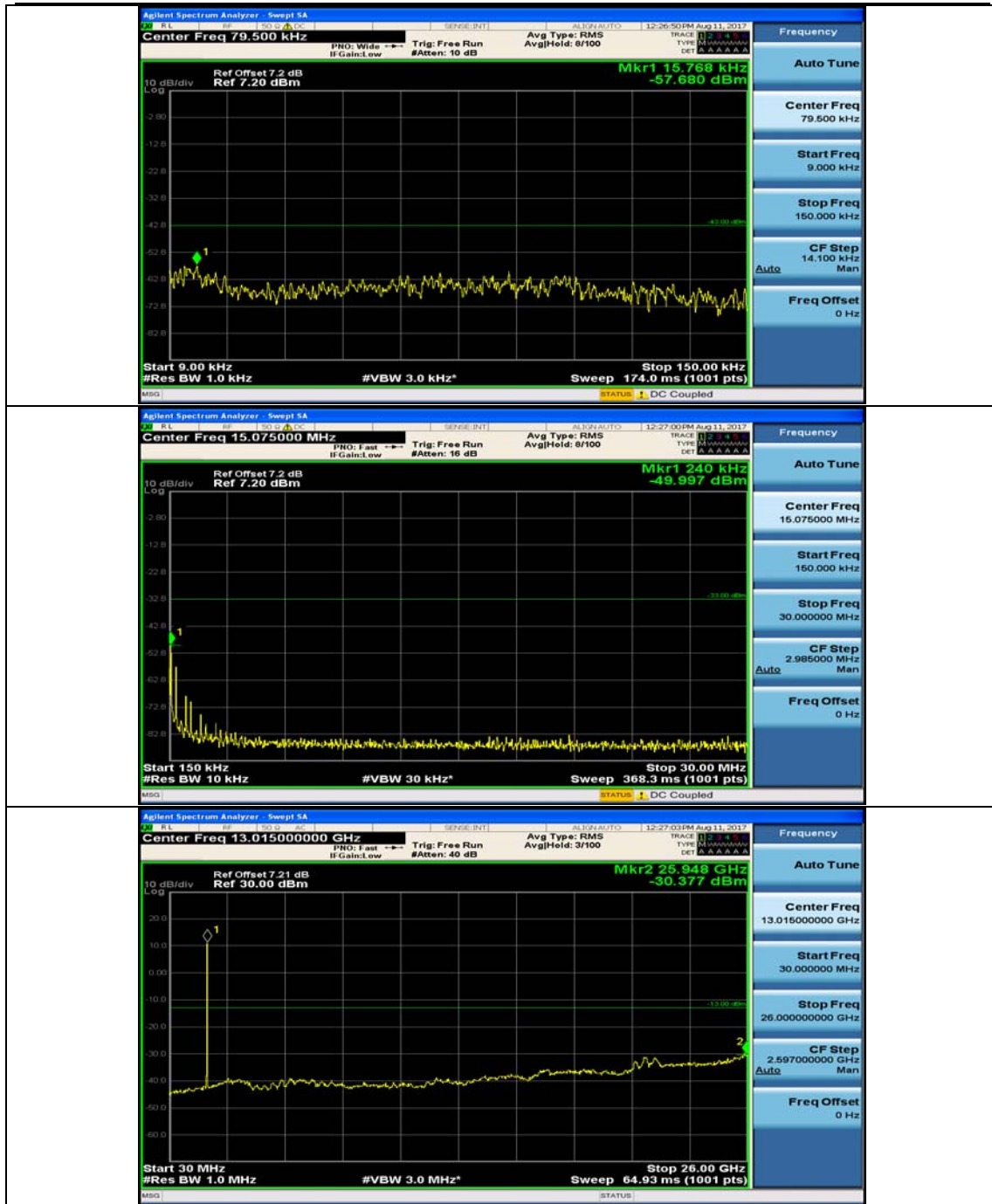


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Test Result

Bandwidth (MHz) :		5MHz		RB #:	Full
Limit (ppm) :		2.5ppm		Channel:	MCH
Temperature (°C)	Voltage (V)	Modulation		Result	
		QPSK	16QAM		
		Deviation (ppm)	Deviation (ppm)		
50	120	-0.015	-0.036	PASS	
40	120	+0.015	+0.029		
30	120	+0.013	+0.019		
20	120	+0.012	+0.010		
10	120	+0.013	+0.021		
0	120	+0.023	+0.022		
-10	120	-0.024	-0.020		
-20	120	-0.031	-0.021		
-30	120	+0.030	+0.035		
20	240	+0.014	+0.025	PASS	
20	100	-0.012	-0.017	PASS	

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

Field Strength of Spurious Radiation Measurement

Test Result

Bandwidth:	5M		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
	Polarization	Level (dBm)		
3421.4	Vertical	-49.63	-13.00	PASS
5132.1	V	-54.59		
-	V	-		
3421.4	Horizontal	-50.42		
5132.1	H	-53.37		
-	H	-		
Bandwidth:	5M		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)		
3465.0	Vertical	-51.63	-13.00	PASS
5197.5	V	-55.59		
-	V	-		
3465.0	Horizontal	-49.50		
5197.5	H	-54.49		
-	H	-		
Bandwidth:	5M		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)		
3508.6	Vertical	-51.21	-13.00	PASS
5262.9	V	-54.76		
-	V	-		
3508.6	Horizontal	-52.35		
5262.9	H	-55.21		
-	H	-		

Bandwidth:	5M		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)		
3465.0	Vertical	-51.28	-13.00	PASS
5197.5	V	-55.48		
-	V	-		
3465.0	Horizontal	-52.63		
5197.5	H	-56.37		
-	H	-		
Bandwidth:	5M		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)		
3465.0	Vertical	-51.55	-13.00	PASS
5197.5	V	-55.01		
-	V	-		
3465.0	Horizontal	-52.02		
5197.5	H	-55.12		
-	H	-		
Bandwidth:	5M		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)		
3508.6	Vertical	-50.90	-13.00	PASS
5262.9	V	-55.61		
-	V	-		
3508.6	Horizontal	-51.42		
5262.9	H	-56.41		
-	H	-		

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