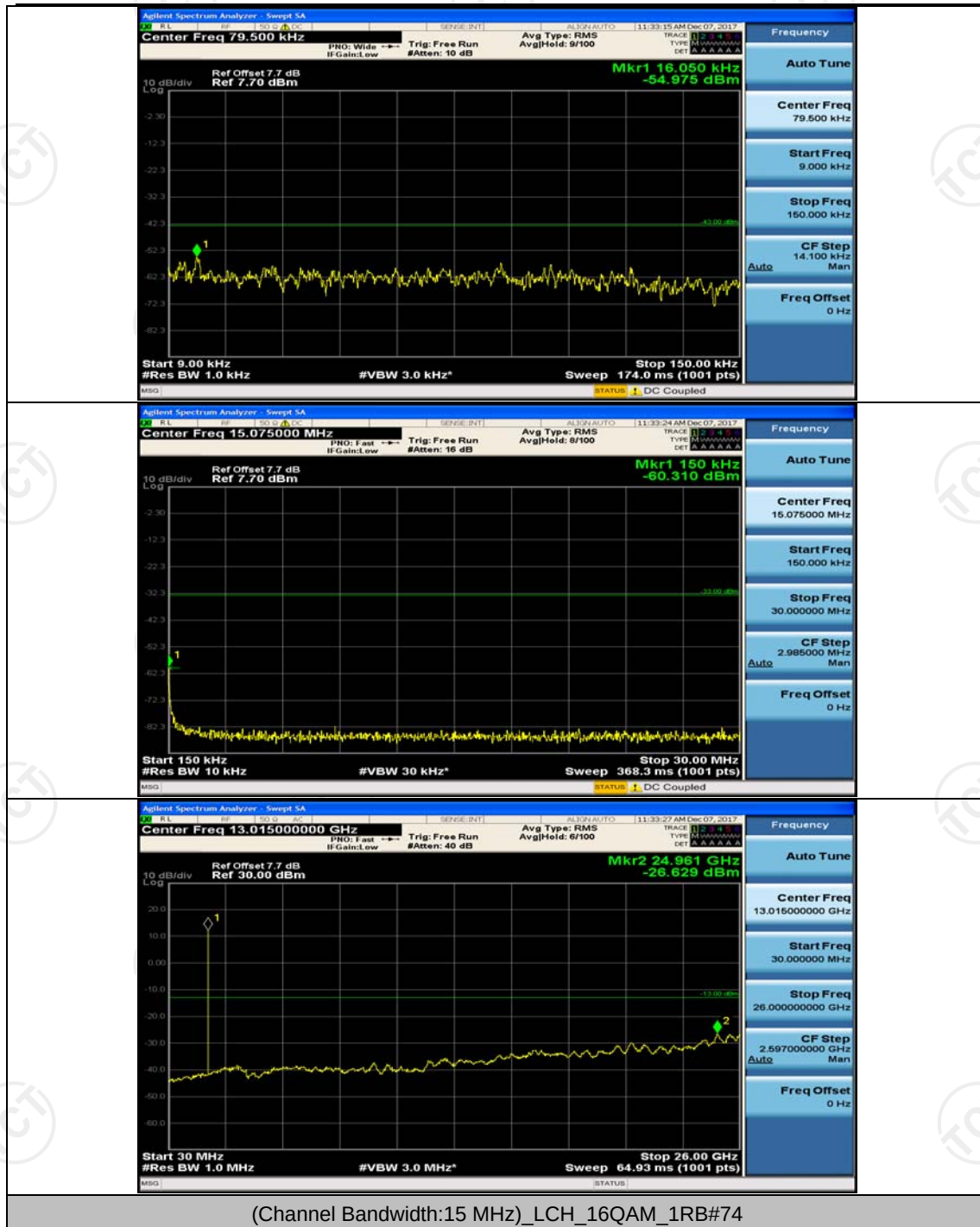
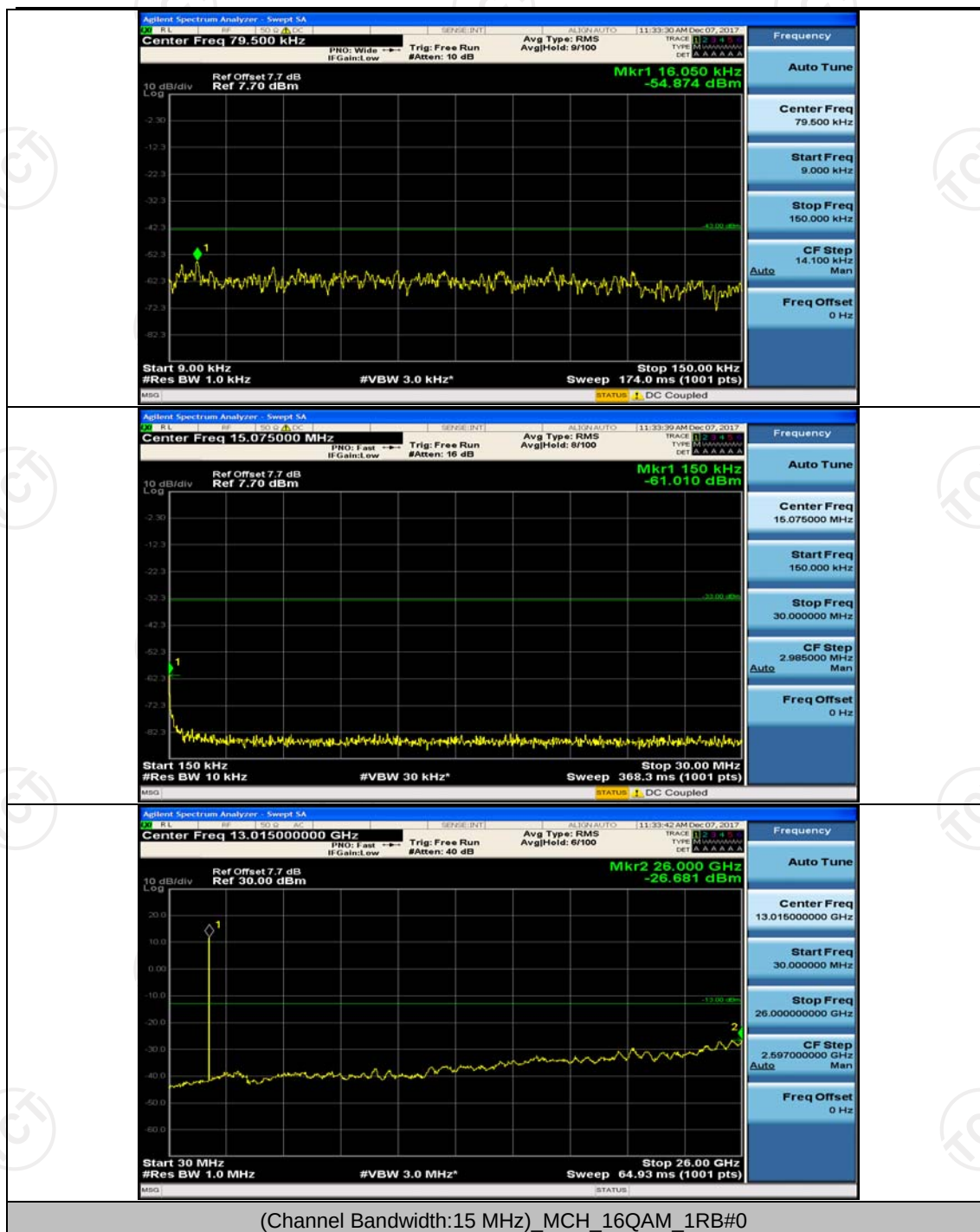
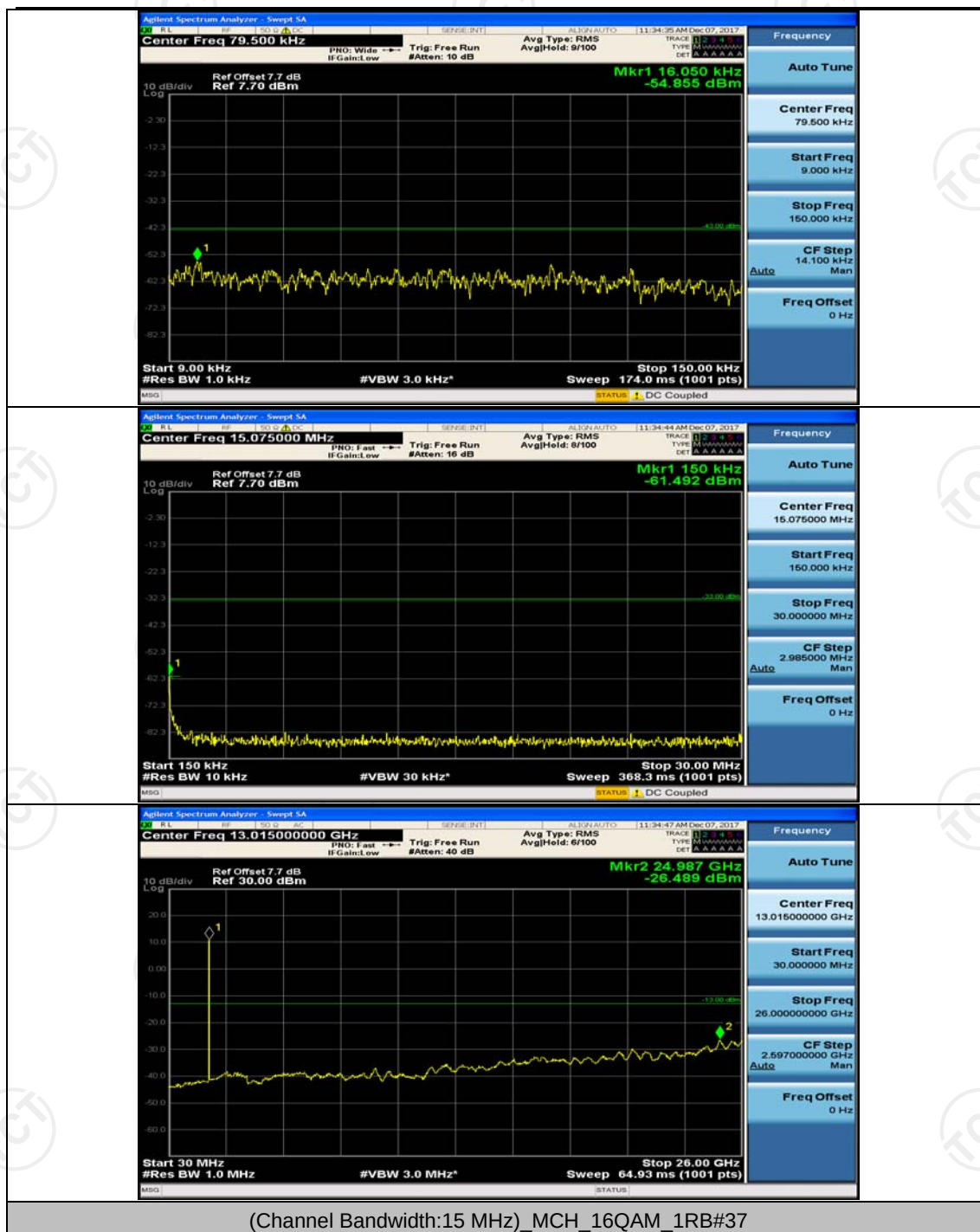
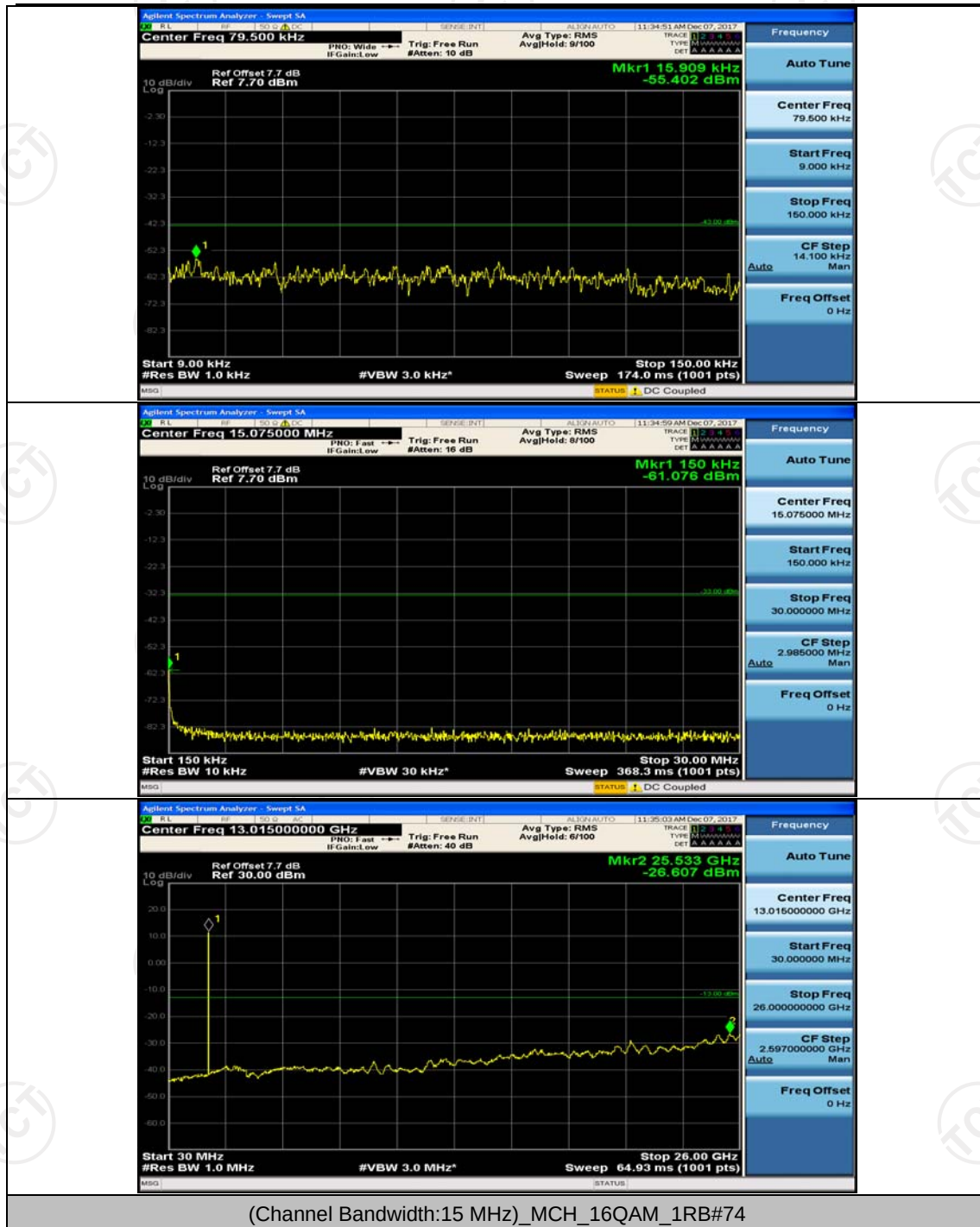
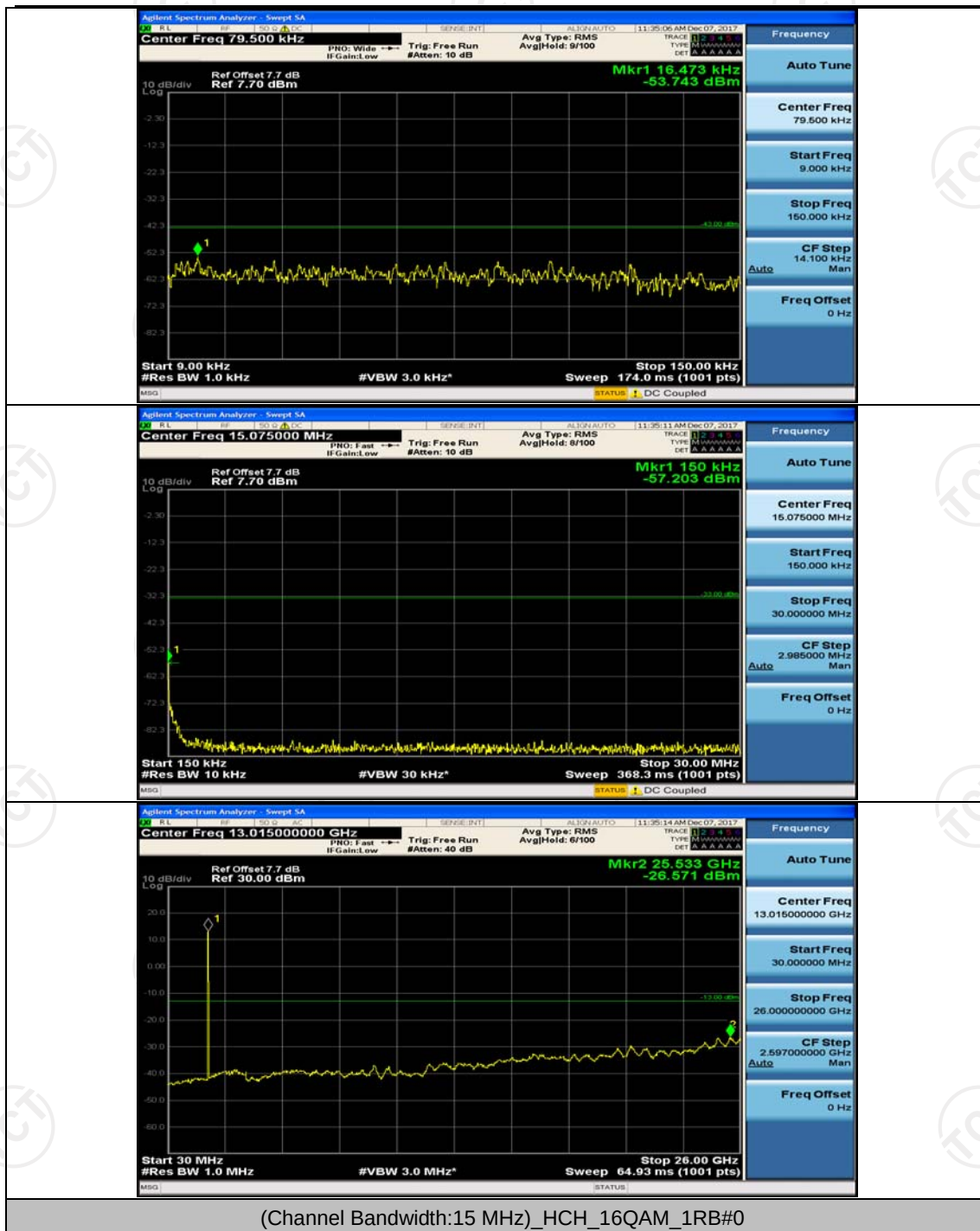


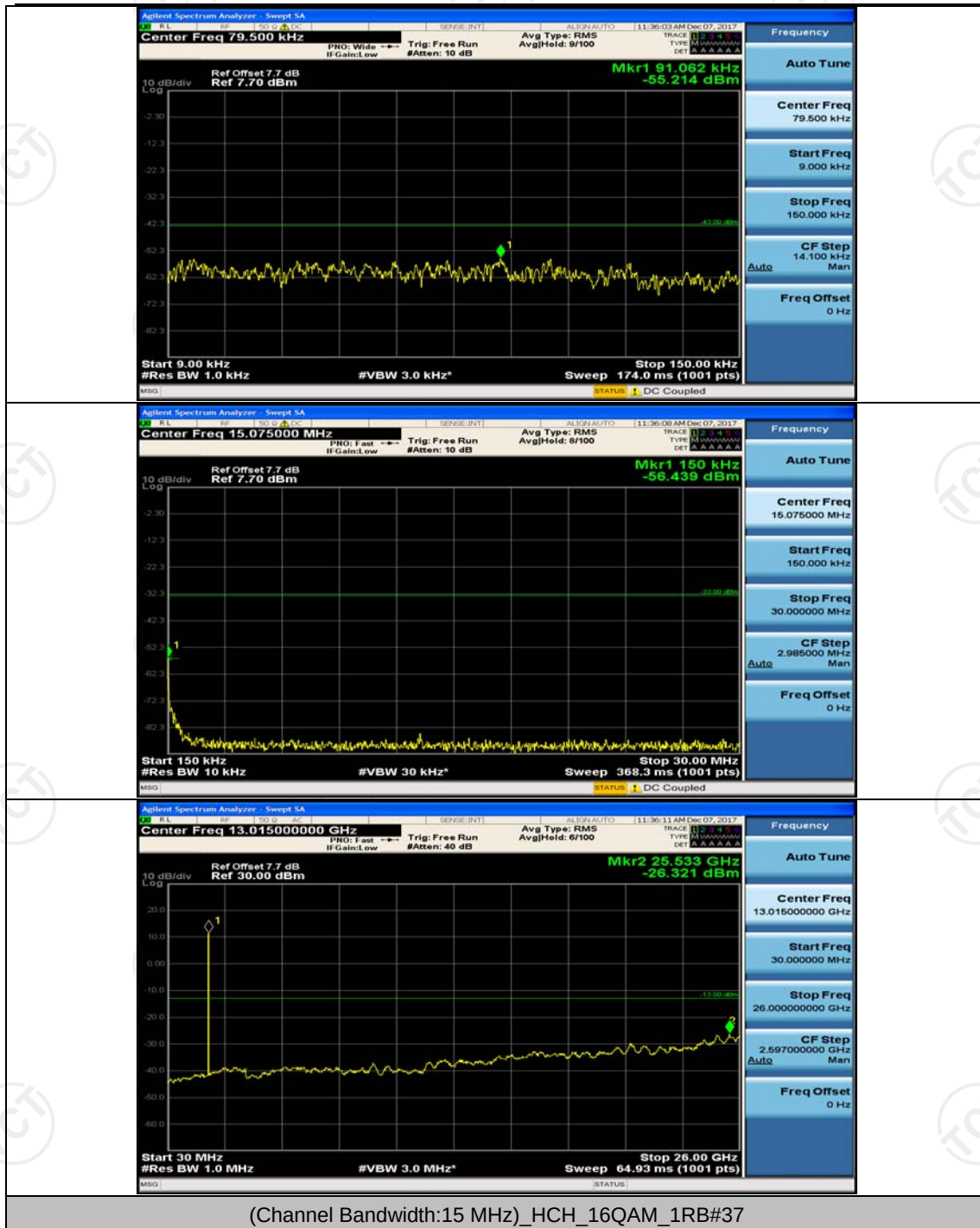


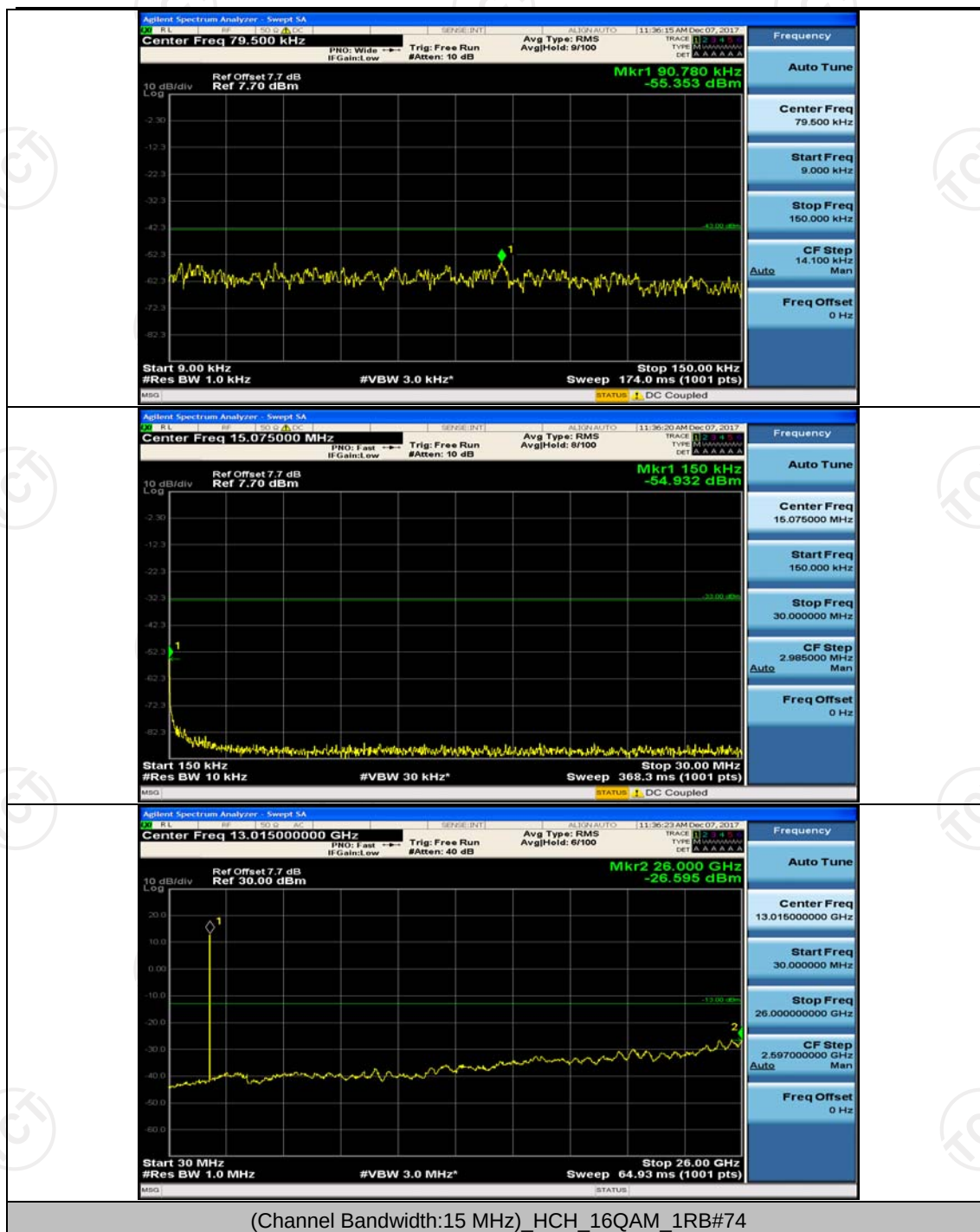


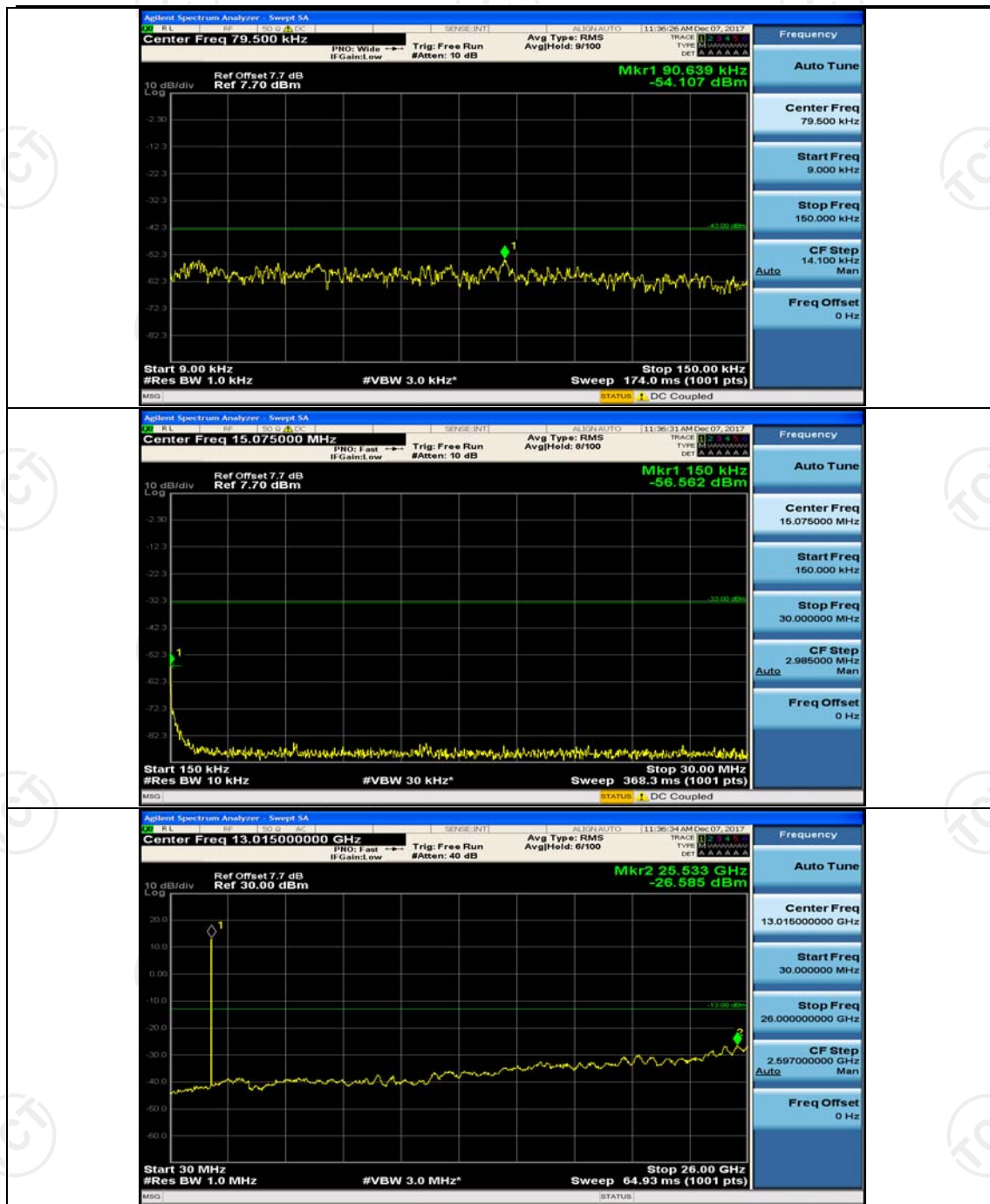




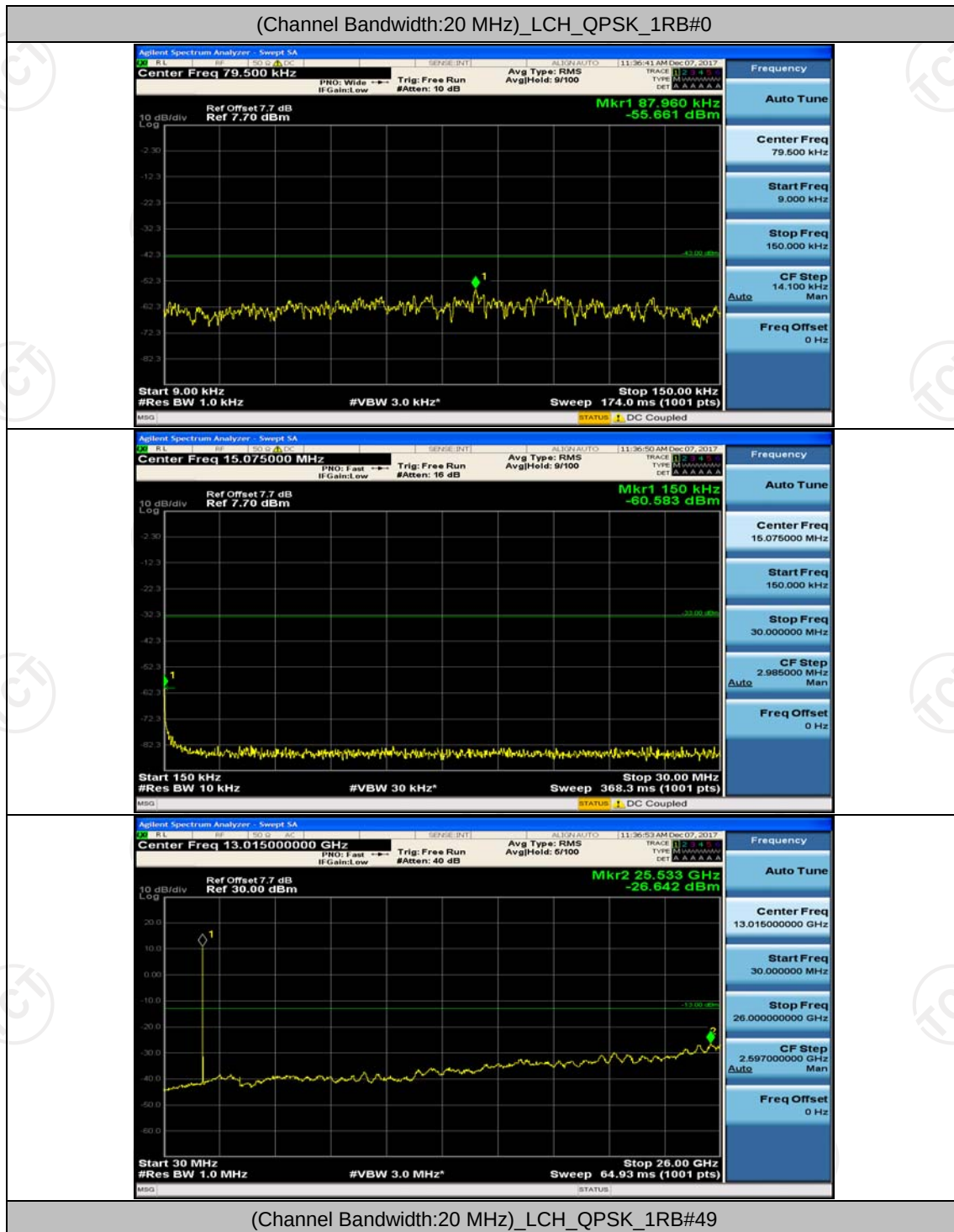


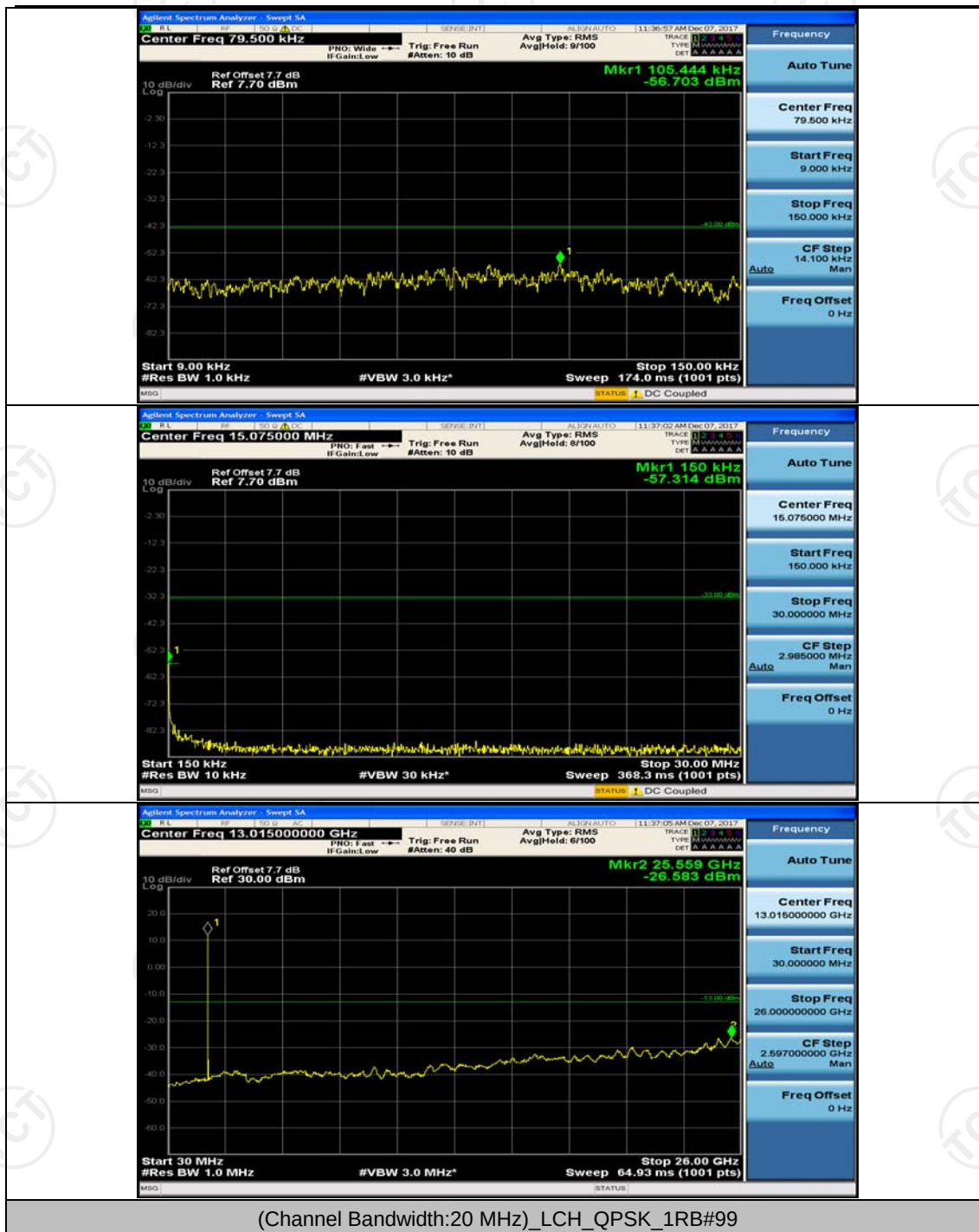


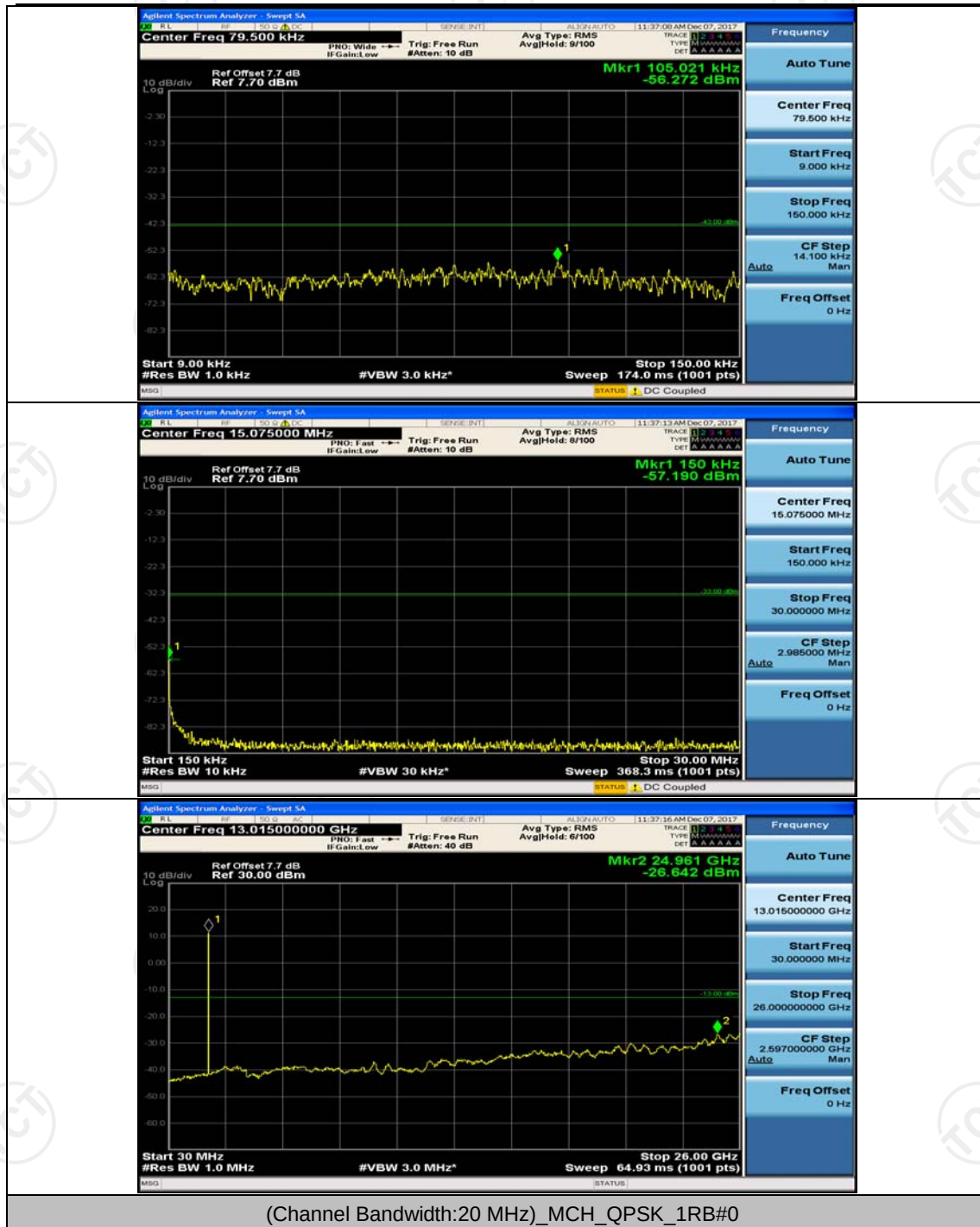


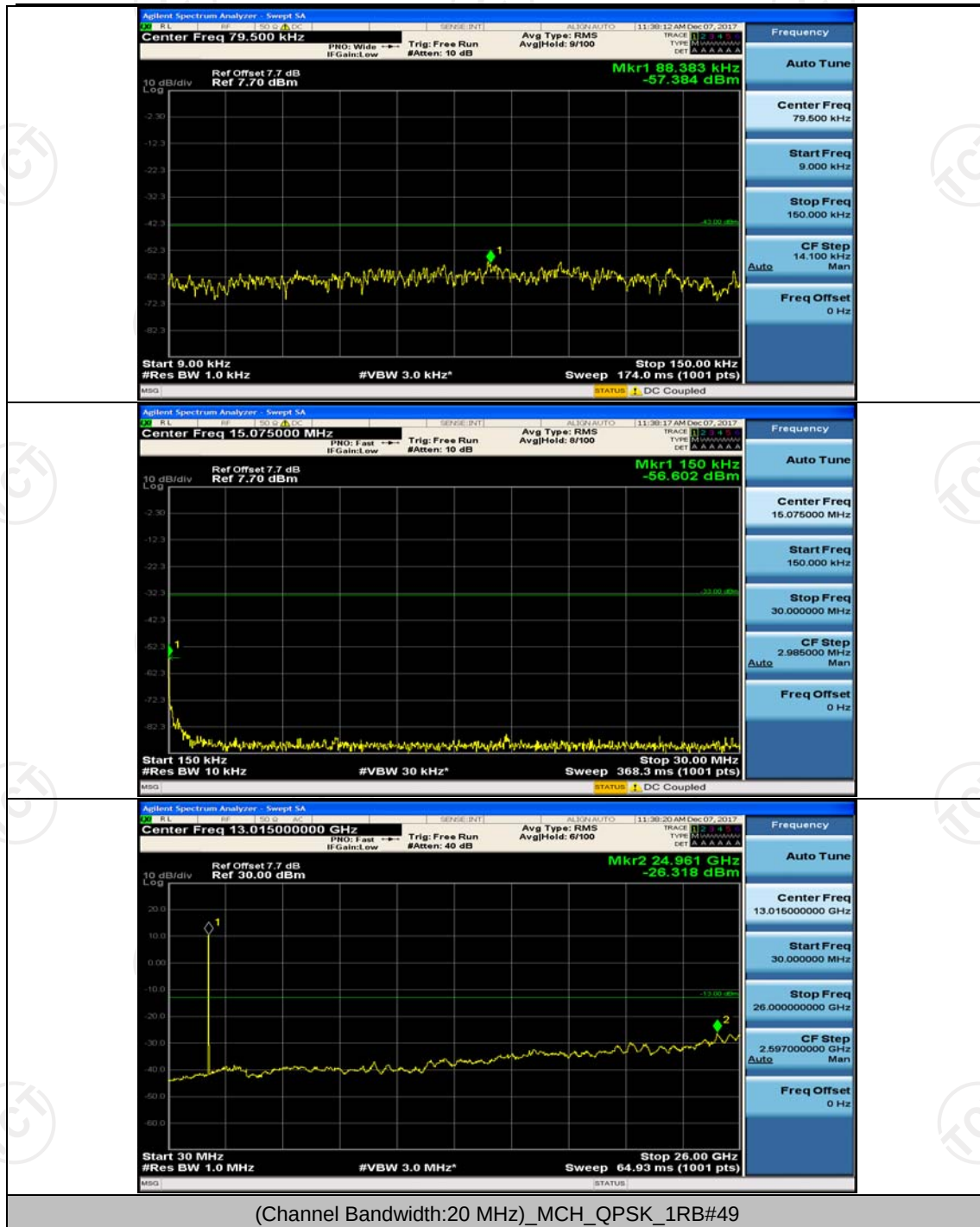


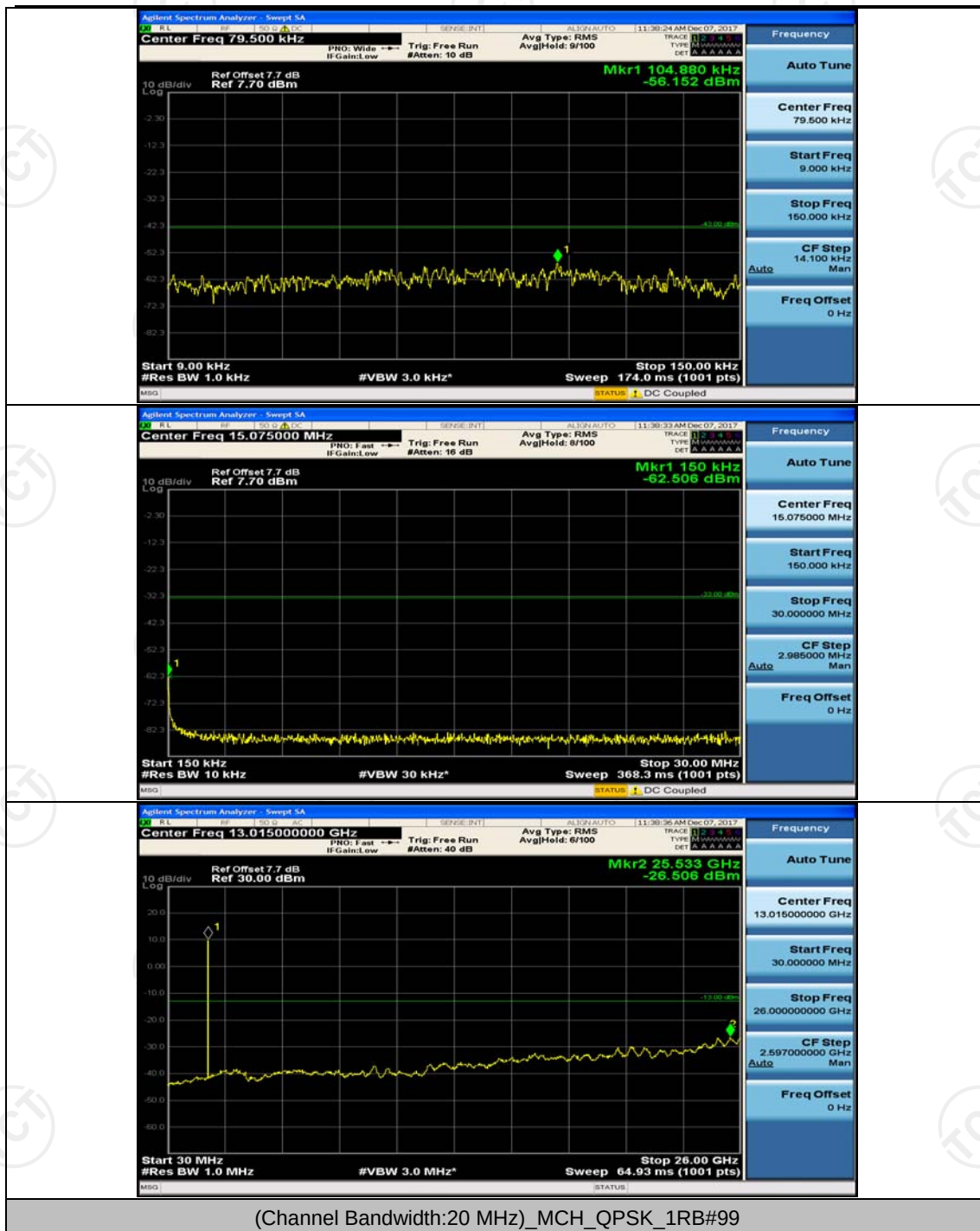
Channel Bandwidth: 20 MHz

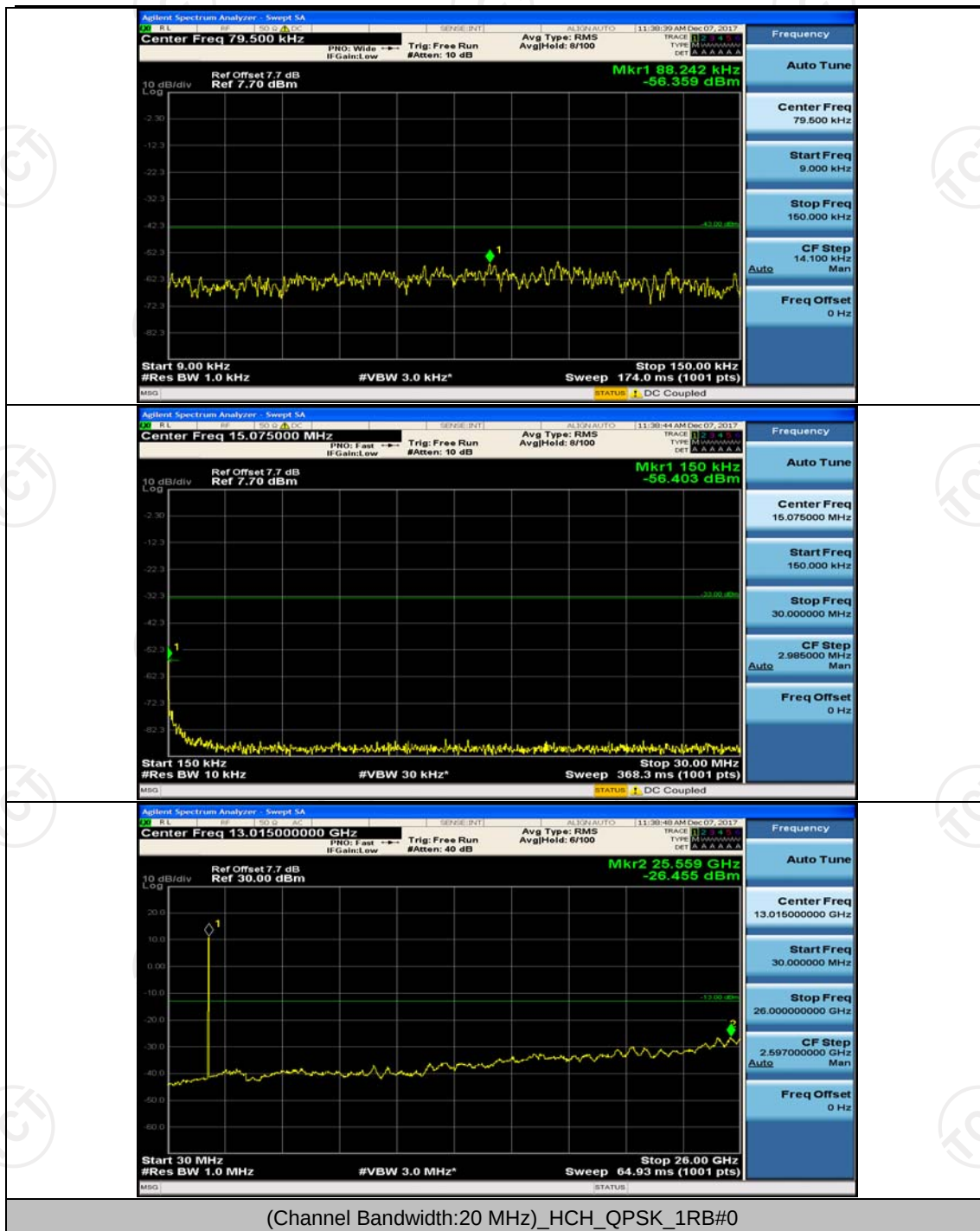


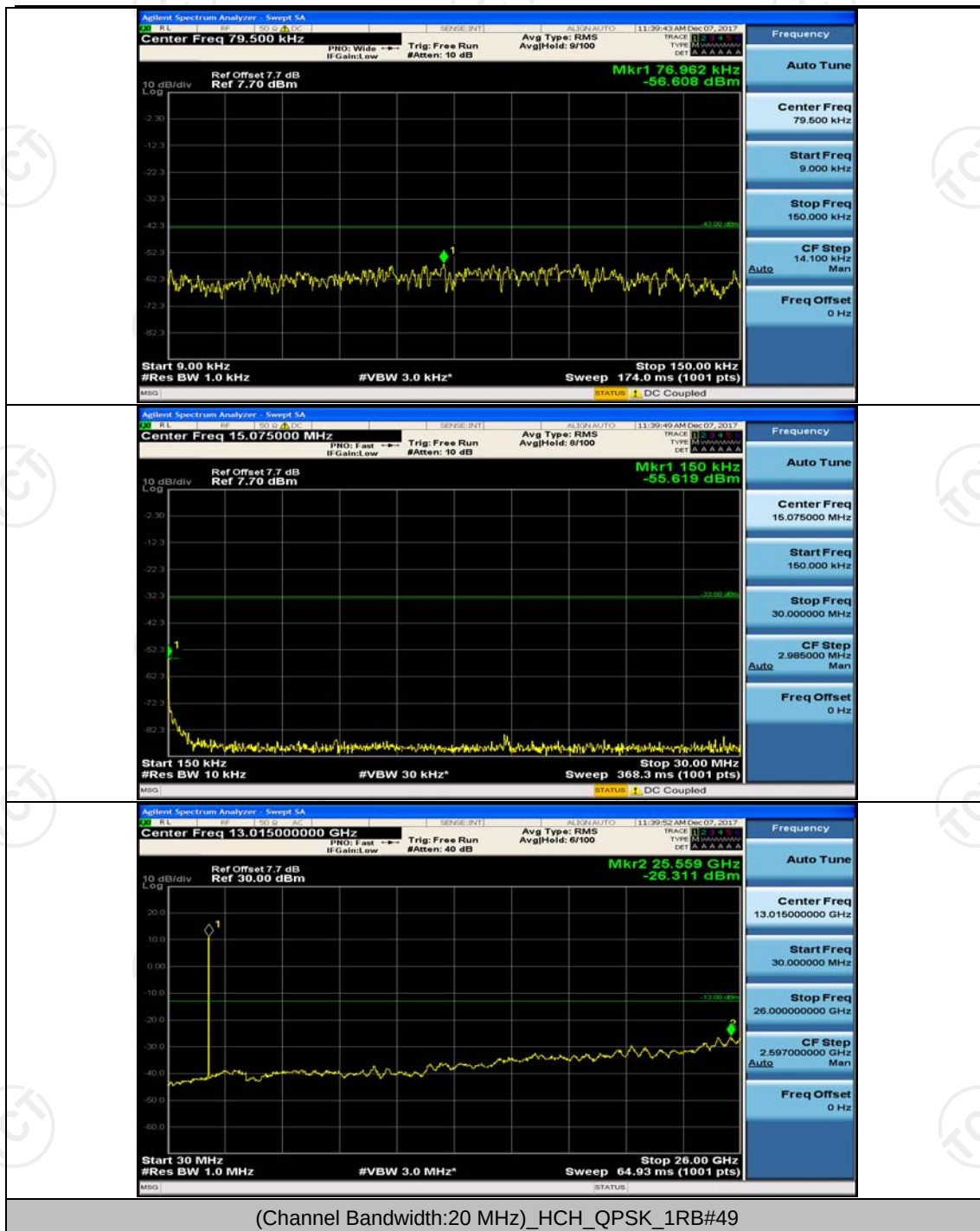


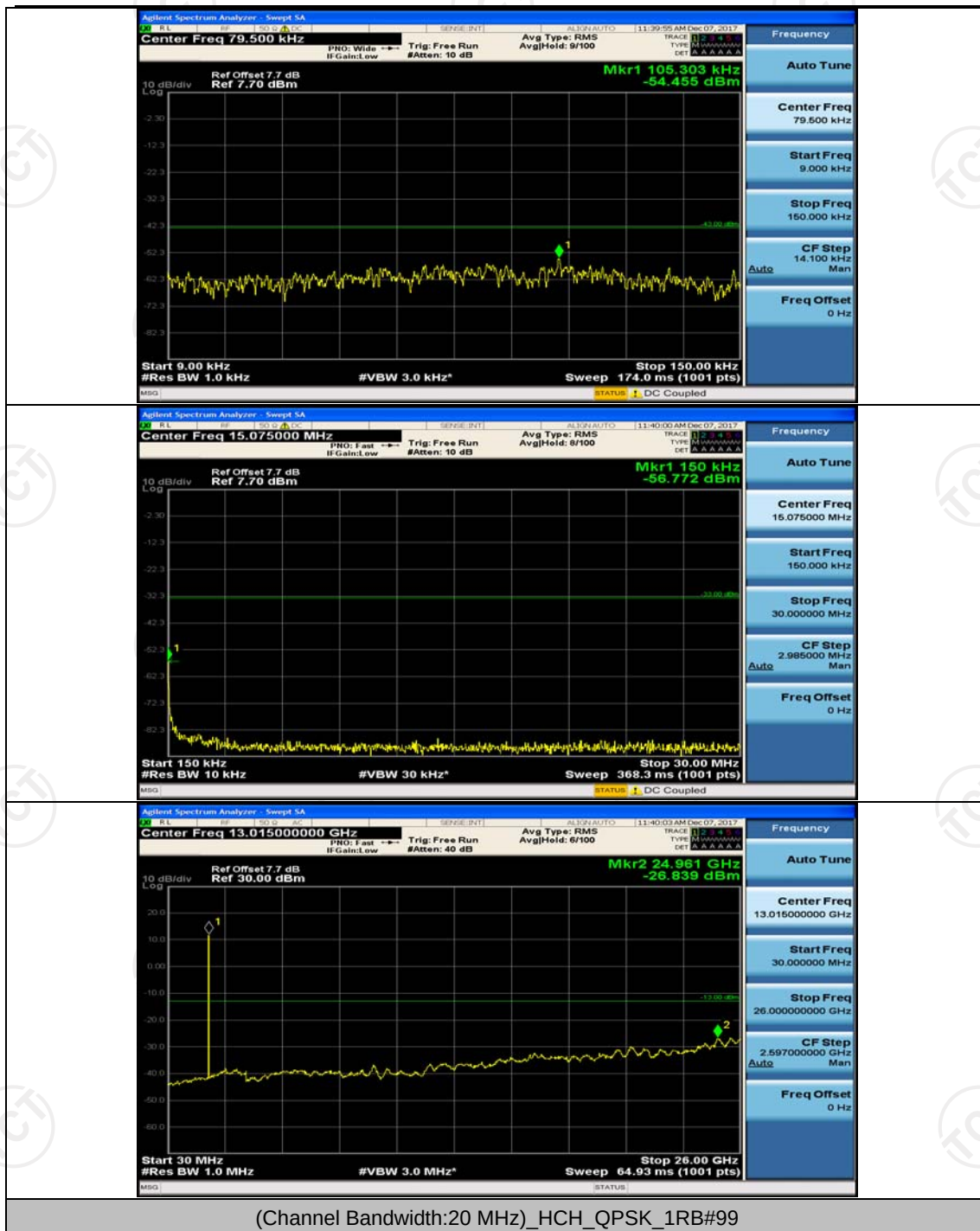


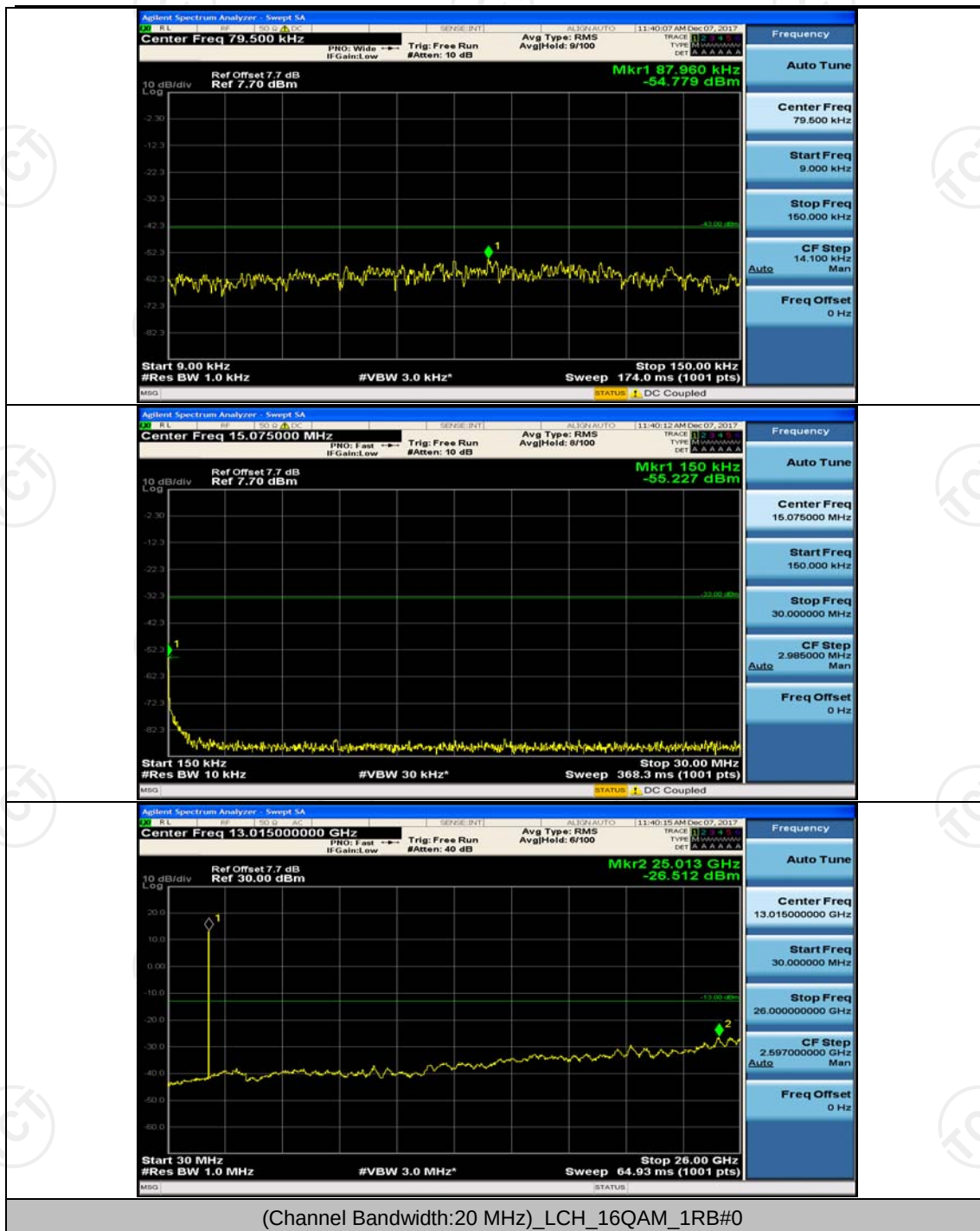


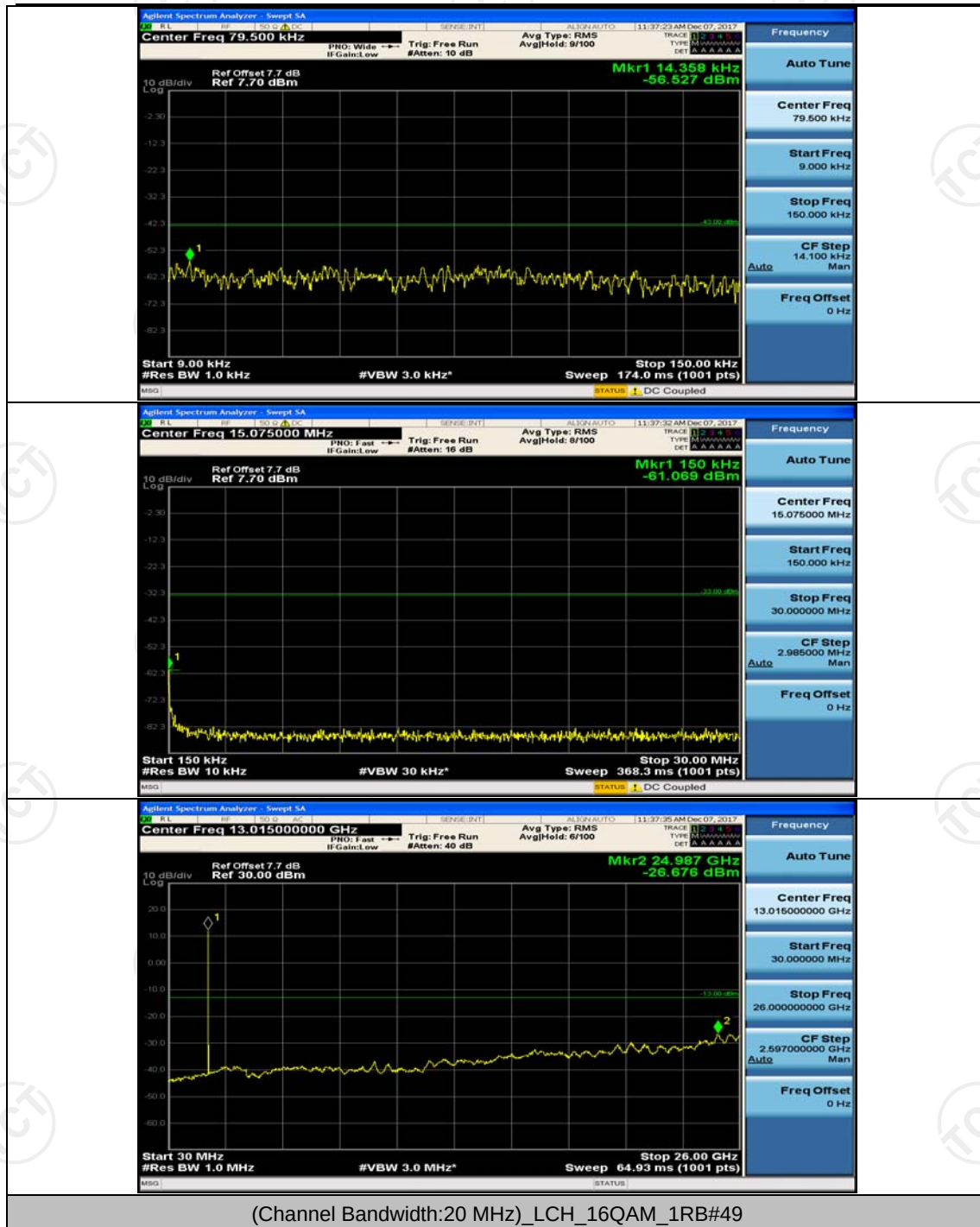


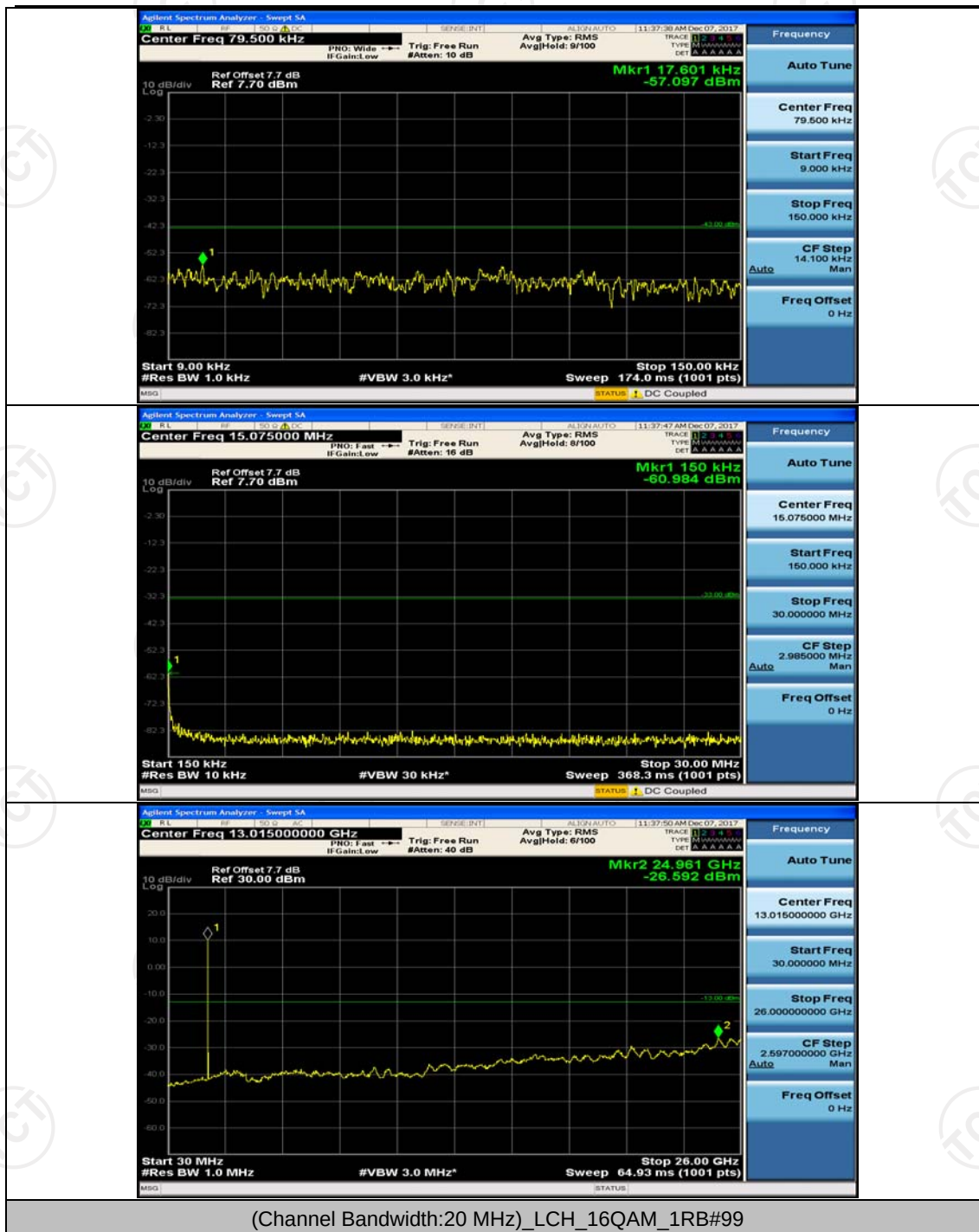


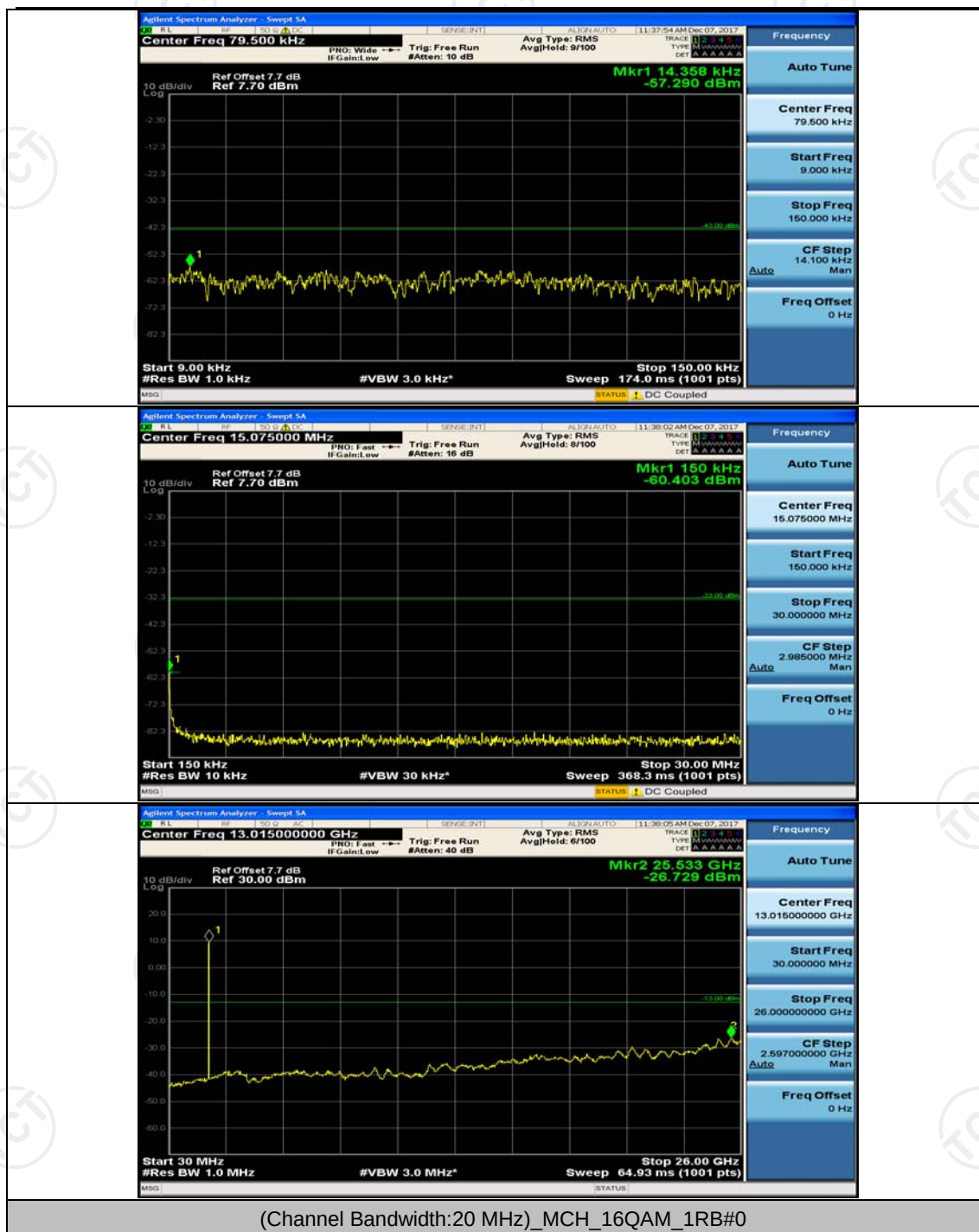


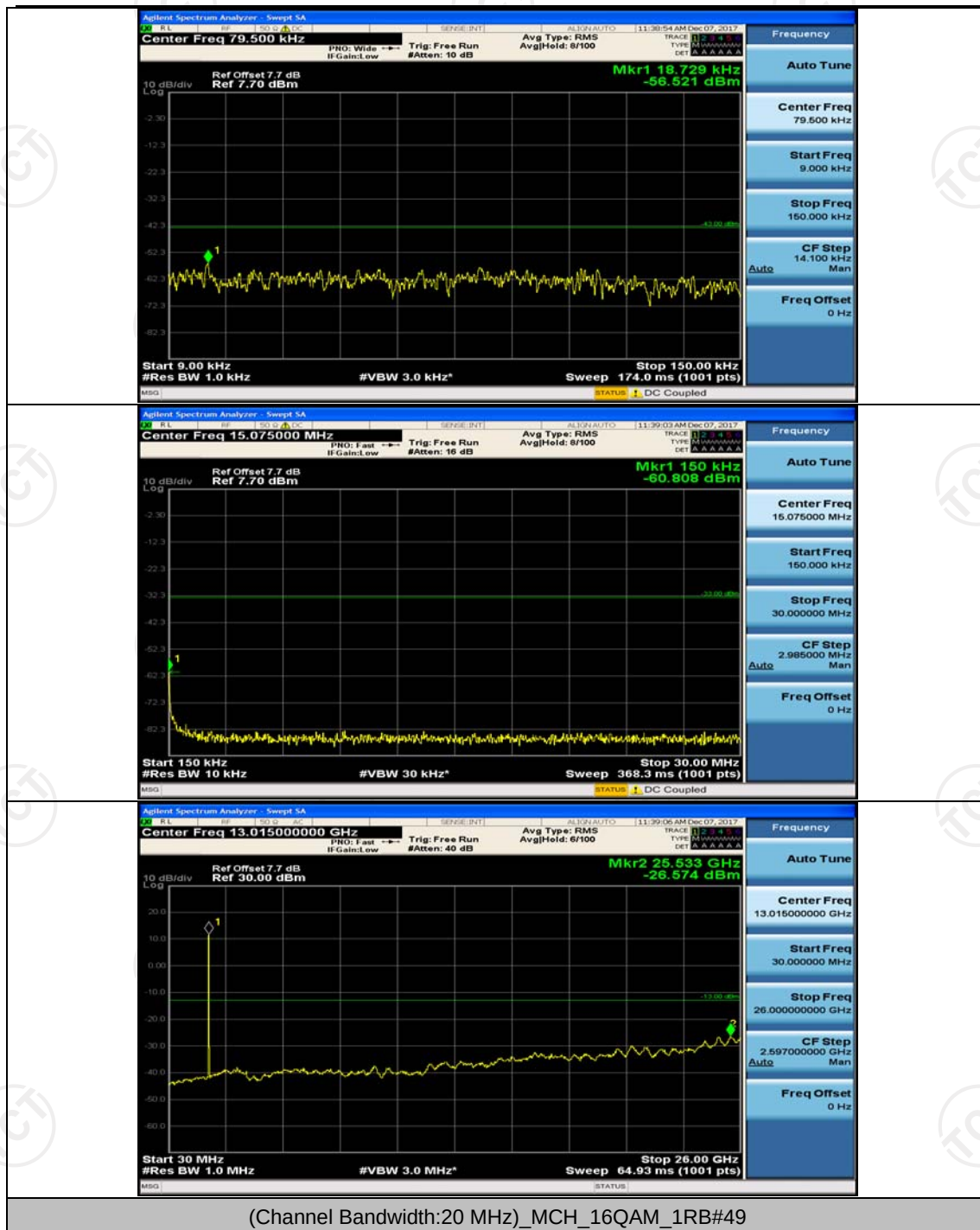


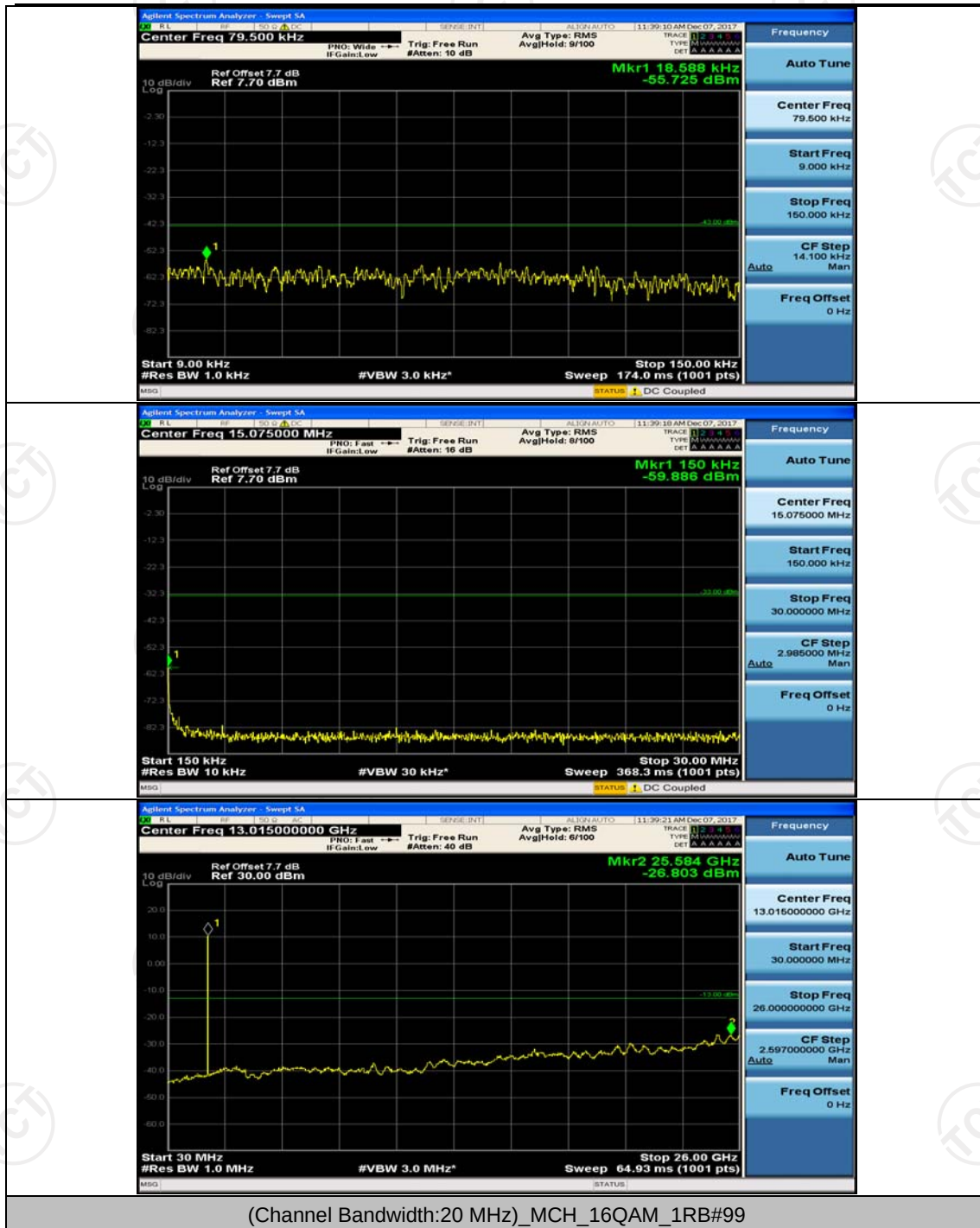


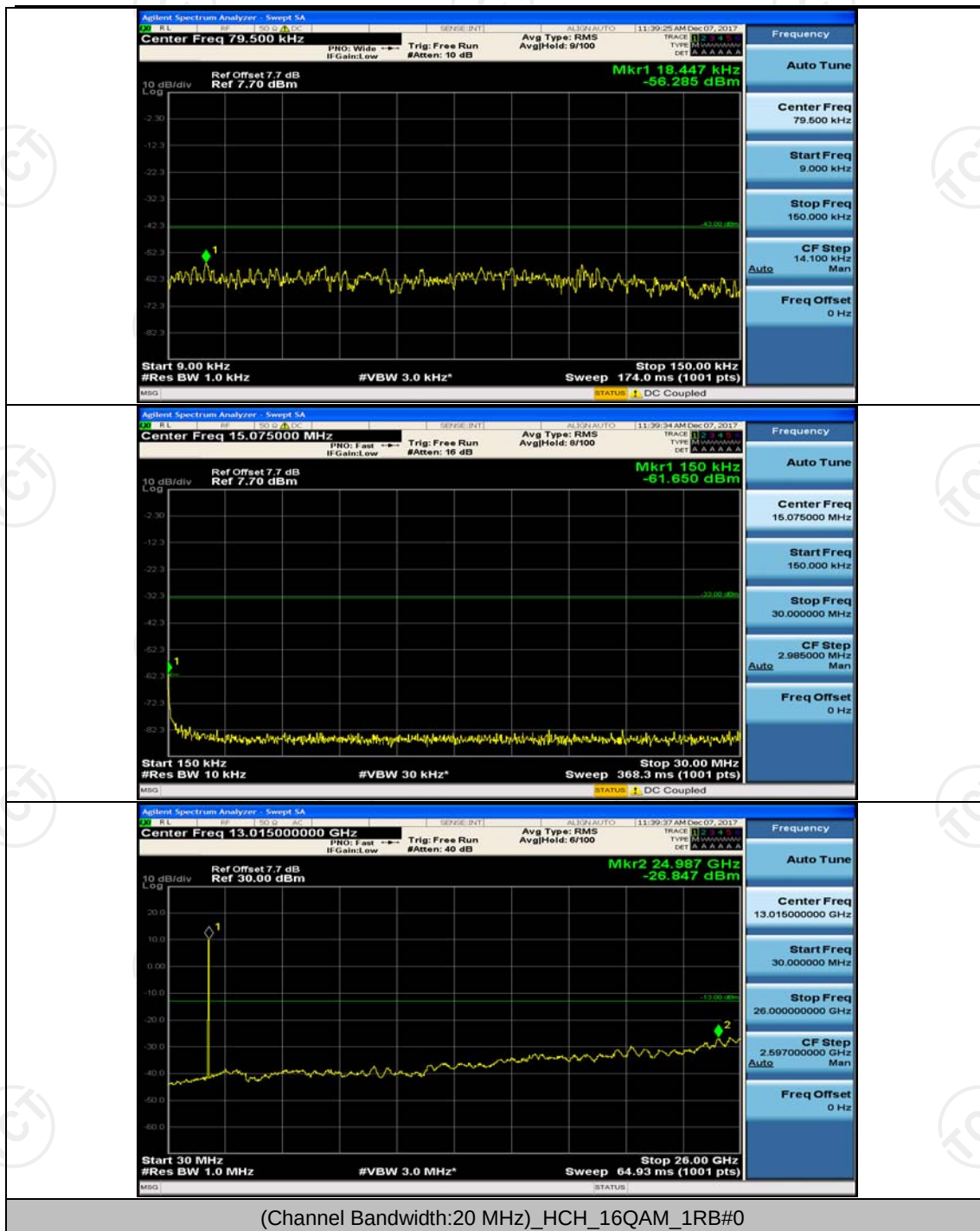


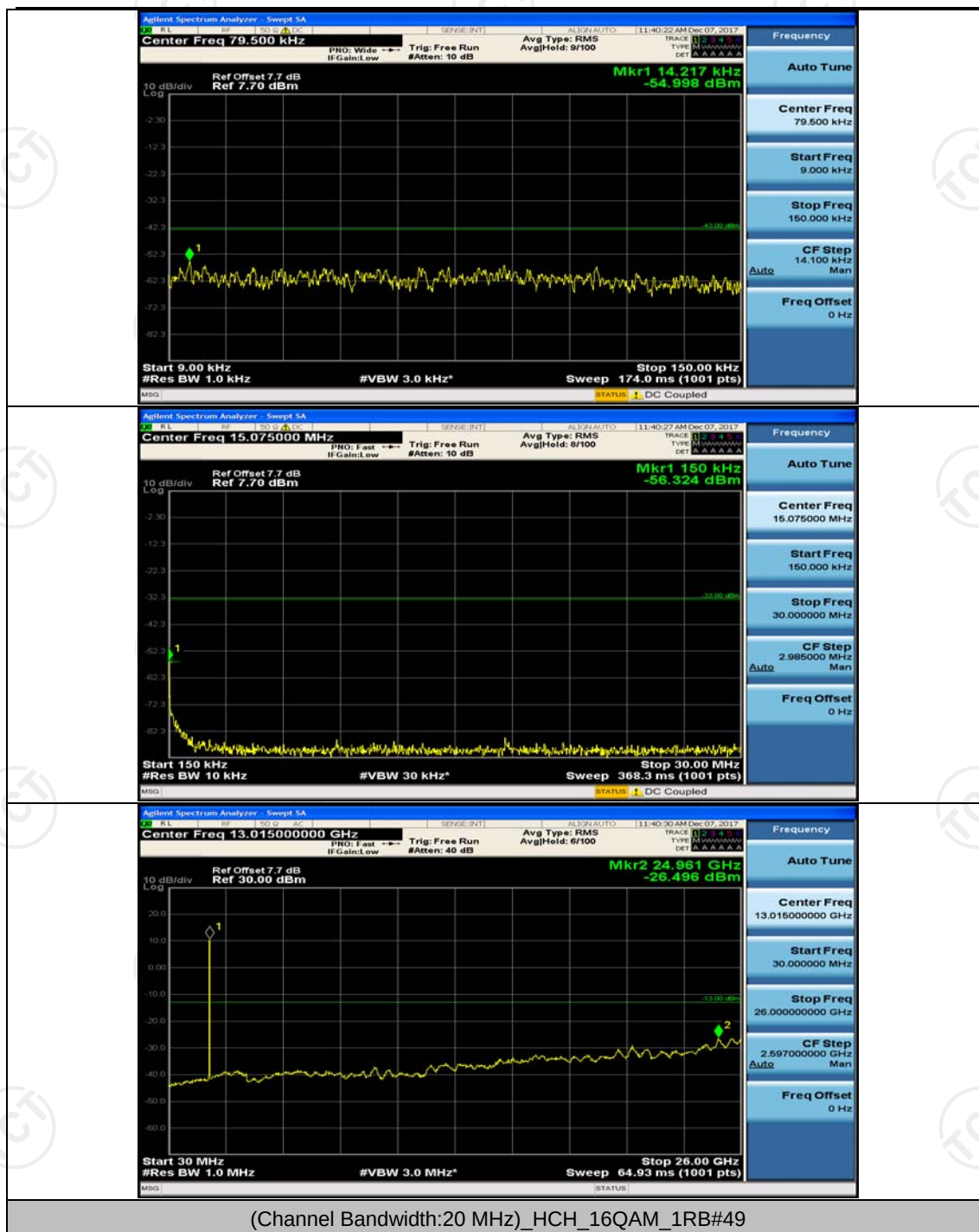


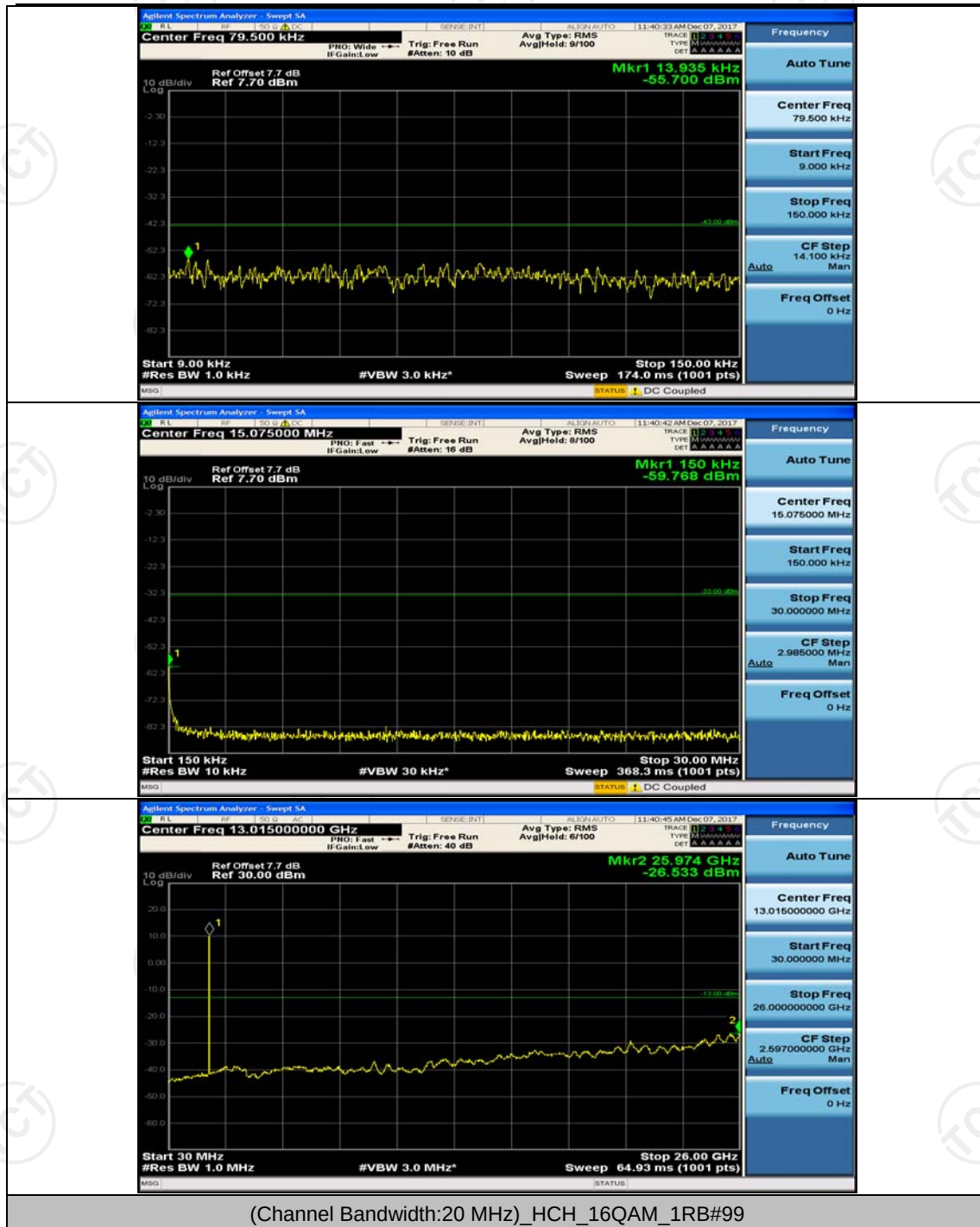


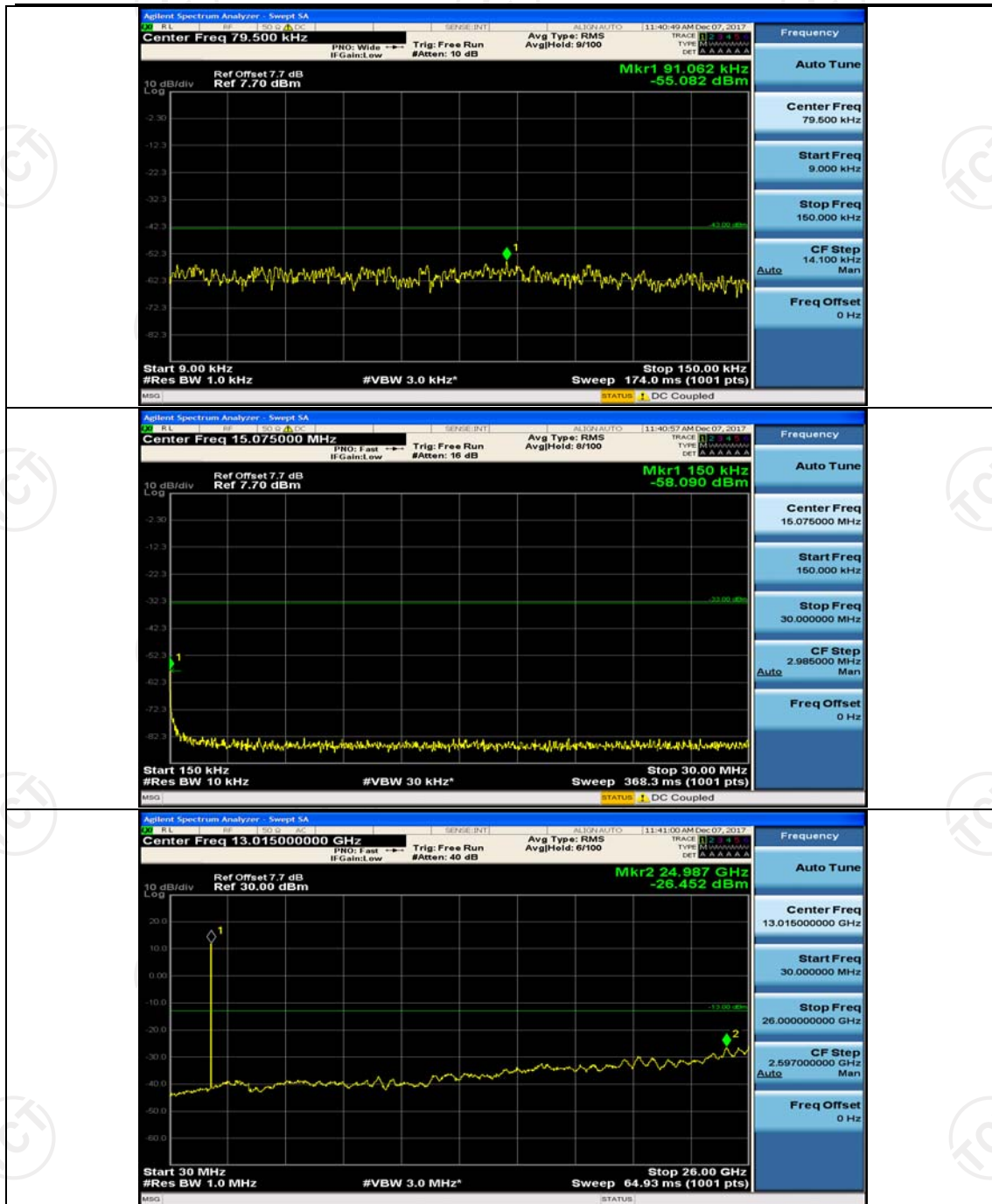












Note: All bandwidth and modulation are tested, only the worst result is reported.

Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz						
Voltage						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.000528	± 2.5	PASS
		VN	TN	-0.000691	± 2.5	PASS
		VH	TN	-0.000536	± 2.5	PASS
	MCH	VL	TN	-0.000692	± 2.5	PASS
		VN	TN	-0.001476	± 2.5	PASS
		VH	TN	0.000315	± 2.5	PASS
	HCH	VL	TN	0.000009	± 2.5	PASS
		VN	TN	0.000000	± 2.5	PASS
		VH	TN	0.000012	± 2.5	PASS
16QAM	LCH	VL	TN	-0.00272	± 2.5	PASS
		VN	TN	-0.002079	± 2.5	PASS
		VH	TN	-0.002063	± 2.5	PASS
	MCH	VL	TN	-0.002584	± 2.5	PASS
		VN	TN	-0.002549	± 2.5	PASS
		VH	TN	-0.002532	± 2.5	PASS
	HCH	VL	TN	-0.000278	± 2.5	PASS
		VN	TN	-0.000450	± 2.5	PASS
		VH	TN	-0.000491	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.000894	± 2.5	PASS
		VN	-20	-0.001426	± 2.5	PASS
		VN	-10	-0.000964	± 2.5	PASS
		VN	0	-0.001784	± 2.5	PASS
		VN	10	-0.001692	± 2.5	PASS
		VN	20	-0.000881	± 2.5	PASS
		VN	30	-0.001430	± 2.5	PASS
		VN	40	-0.000951	± 2.5	PASS
		VN	50	-0.001731	± 2.5	PASS
	MCH	VN	-30	-0.001135	± 2.5	PASS
		VN	-20	-0.001147	± 2.5	PASS
		VN	-10	-0.001979	± 2.5	PASS
		VN	0	-0.001497	± 2.5	PASS
		VN	10	-0.002331	± 2.5	PASS
		VN	20	-0.001141	± 2.5	PASS

		VN	30	-0.001986	± 2.5	PASS
		VN	40	-0.001499	± 2.5	PASS
		VN	50	-0.002328	± 2.5	PASS
	HCH	VN	-30	-0.000158	± 2.5	PASS
		VN	-20	-0.000092	± 2.5	PASS
		VN	-10	-0.000167	± 2.5	PASS
		VN	0	0.000181	± 2.5	PASS
		VN	10	0.000436	± 2.5	PASS
		VN	20	-0.000082	± 2.5	PASS
		VN	30	-0.000112	± 2.5	PASS
		VN	40	0.000195	± 2.5	PASS
		VN	50	0.000420	± 2.5	PASS
		VN	-30	-0.003092	± 2.5	PASS
		VN	-20	-0.002000	± 2.5	PASS
		VN	-10	-0.001854	± 2.5	PASS
16QAM	LCH	VN	0	-0.002355	± 2.5	PASS
		VN	10	-0.002349	± 2.5	PASS
		VN	20	-0.003053	± 2.5	PASS
		VN	30	-0.002010	± 2.5	PASS
		VN	40	-0.001840	± 2.5	PASS
		VN	50	-0.002358	± 2.5	PASS
	MCH	VN	-30	-0.001643	± 2.5	PASS
		VN	-20	-0.001655	± 2.5	PASS
		VN	-10	-0.002543	± 2.5	PASS
		VN	0	-0.001981	± 2.5	PASS
		VN	10	-0.002562	± 2.5	PASS
		VN	20	-0.001697	± 2.5	PASS
		VN	30	-0.002443	± 2.5	PASS
		VN	40	-0.001940	± 2.5	PASS
		VN	50	-0.002602	± 2.5	PASS
	HCH	VN	-30	-0.000321	± 2.5	PASS
		VN	-20	-0.000299	± 2.5	PASS
		VN	-10	-0.000626	± 2.5	PASS
		VN	0	-0.000337	± 2.5	PASS
		VN	10	-0.000541	± 2.5	PASS
		VN	20	-0.000307	± 2.5	PASS
		VN	30	-0.000352	± 2.5	PASS
		VN	40	-0.000577	± 2.5	PASS
		VN	50	-0.000225	± 2.5	PASS

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

Appendix G :Field Strength of Spurious Radiation Measurement

Test Result

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1RB #0		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	-42.36	-13.00	PASS
5552.1	V	-44.55		
-	V	-		
3701.4	Horizontal	-42.98		
5552.1	H	-41.27		
-	H	-		
Bandwidth:	1.4M		Test channel:	Middle
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1RB #0		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	Vertical	-42.35	-13.00	PASS
5640	V	-45.02		
-	V	-		
3760	Horizontal	-44.34		
5640	H	-45.47		
-	H	-		
Bandwidth:	1.4M		Test channel:	Highest
Modulation:	QPSK		Temperature :	23~24°C
RB #:	1RB #0		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	-43.51	-13.00	PASS
5727.9	V	-44.85		
-	V	-		
3818.6	Horizontal	-43.37		
5727.9	H	-42.75		
-	H	-		

Bandwidth:	1.4M		Test channel:	Lowest
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1RB #0		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	-43.61	-13.00	PASS
5552.1	V	-44.86		
-	V	-		
3701.4	Horizontal	-44.56		
5552.1	H	-46.74		
-	H	-		
Bandwidth:	1.4M		Test channel:	Middle
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1RB #0		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	Vertical	-43.01	-13.00	PASS
5640	V	-45.23		
-	V	-		
3760	Horizontal	-43.47		
5640	H	-44.39		
-	H	-		
Bandwidth:	1.4M		Test channel:	Highest
Modulation:	16QAM		Temperature :	23~24°C
RB #:	1RB #0		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	-42.21	-13.00	PASS
5727.9	V	-43.68		
-	V	-		
3818.6	Horizontal	-43.14		
5727.9	H	-45.55		
-	H	-		

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