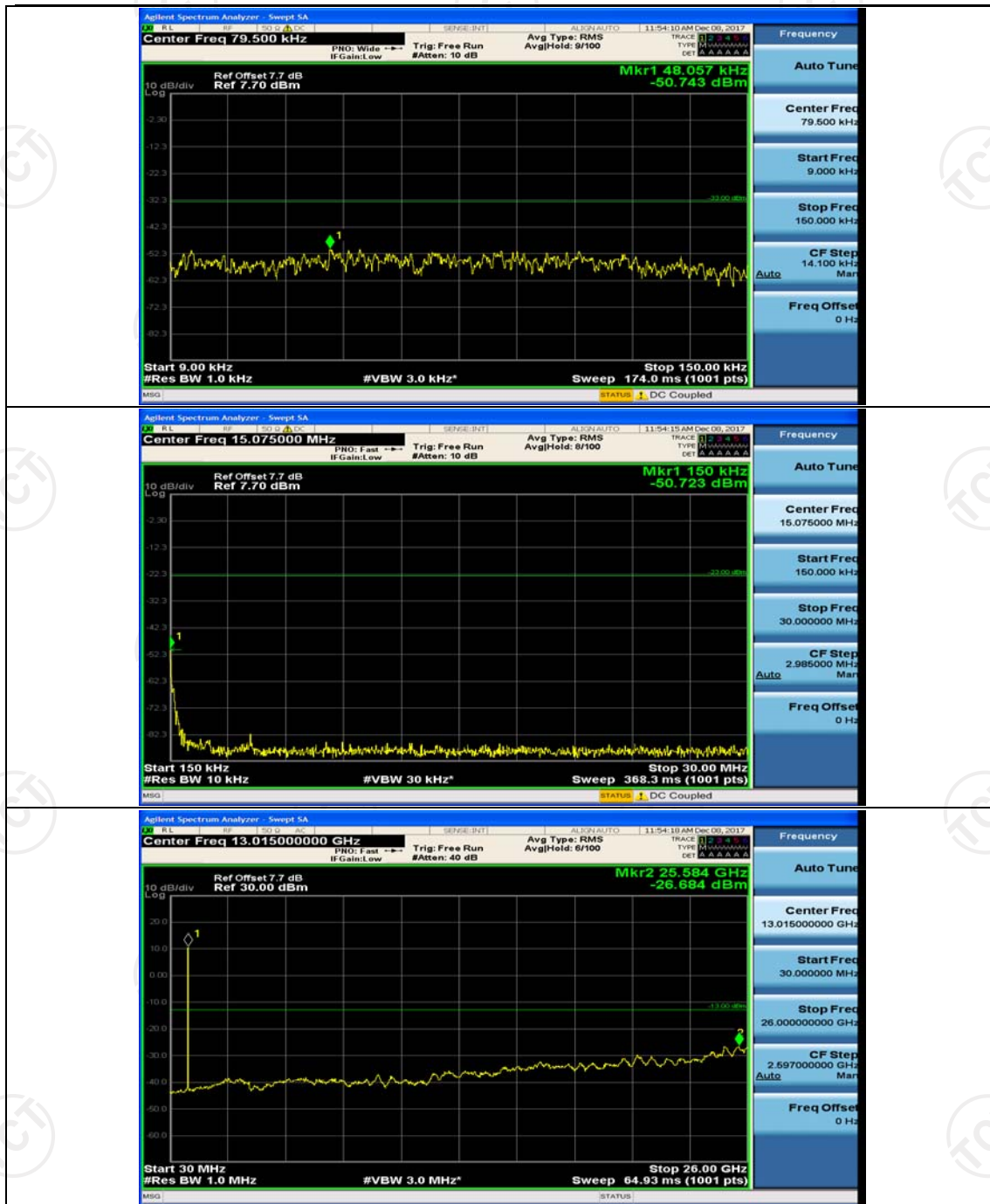
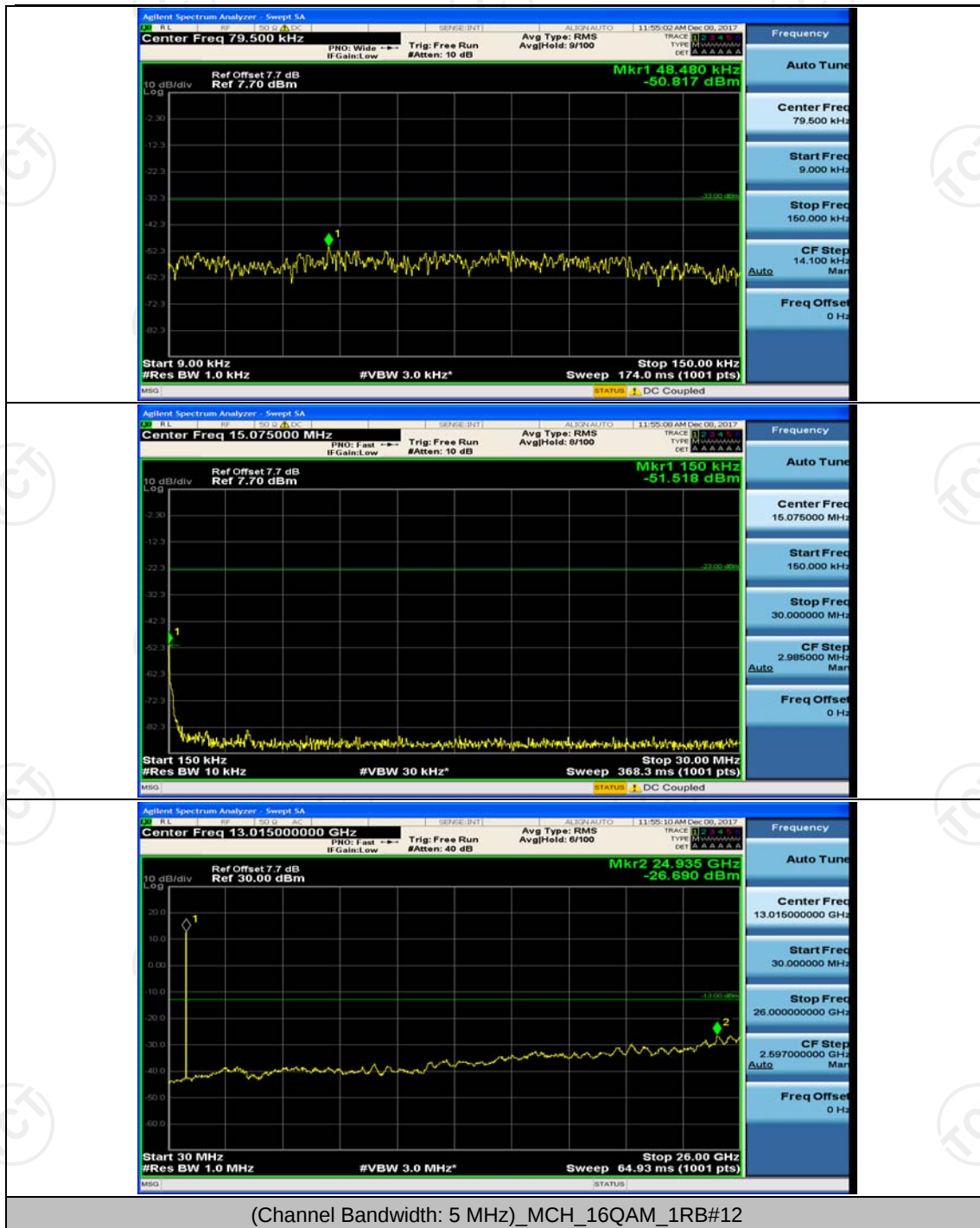
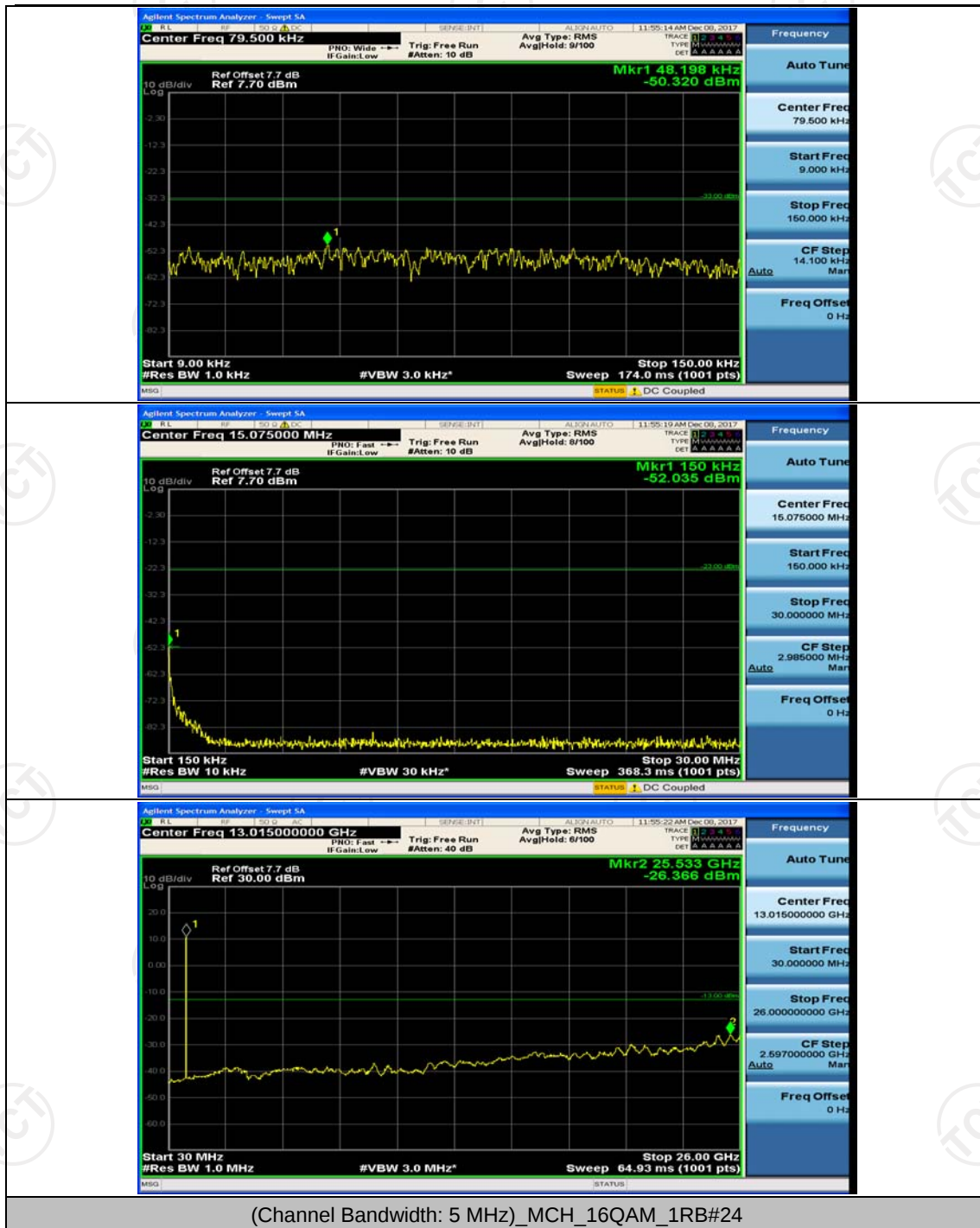
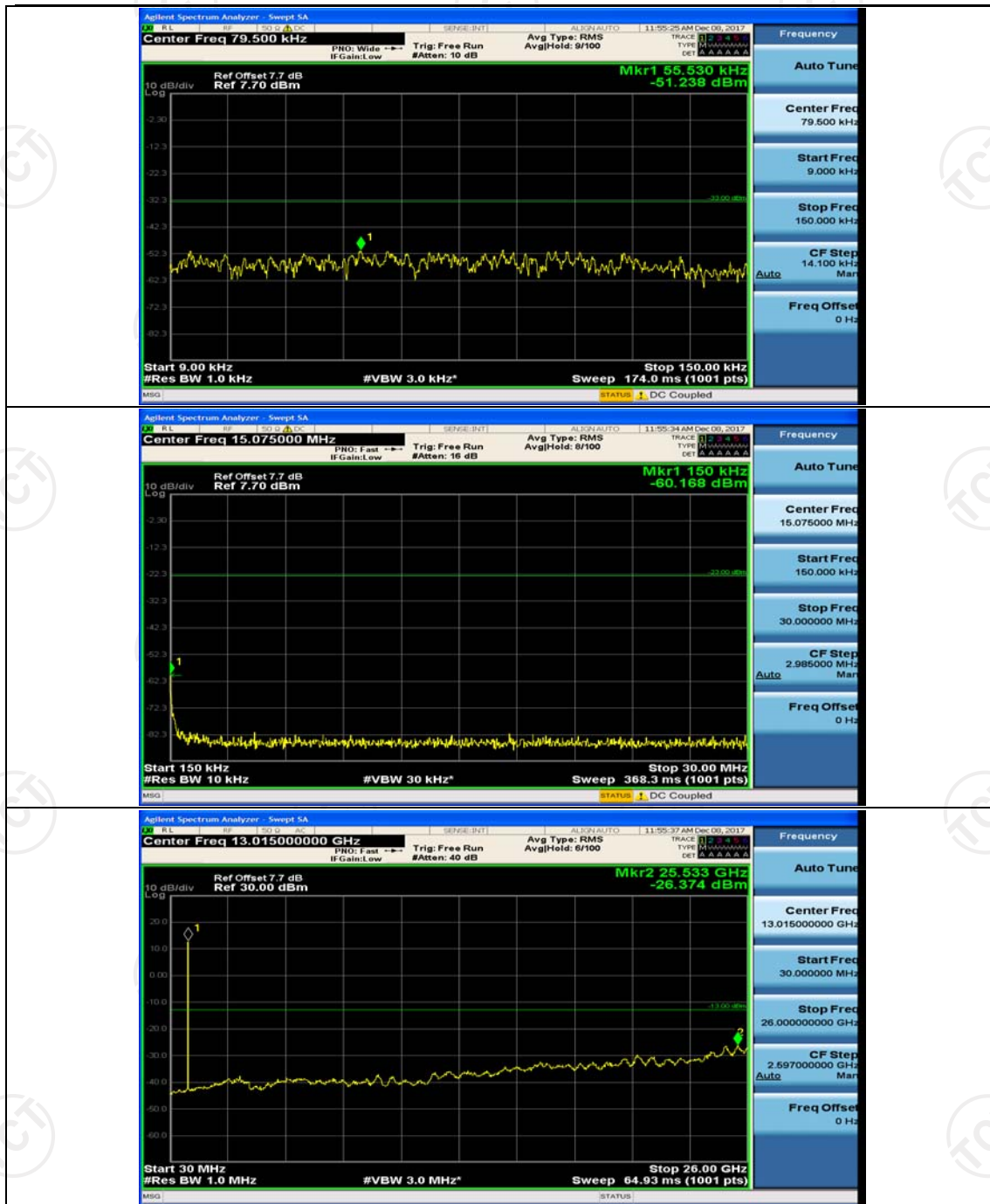




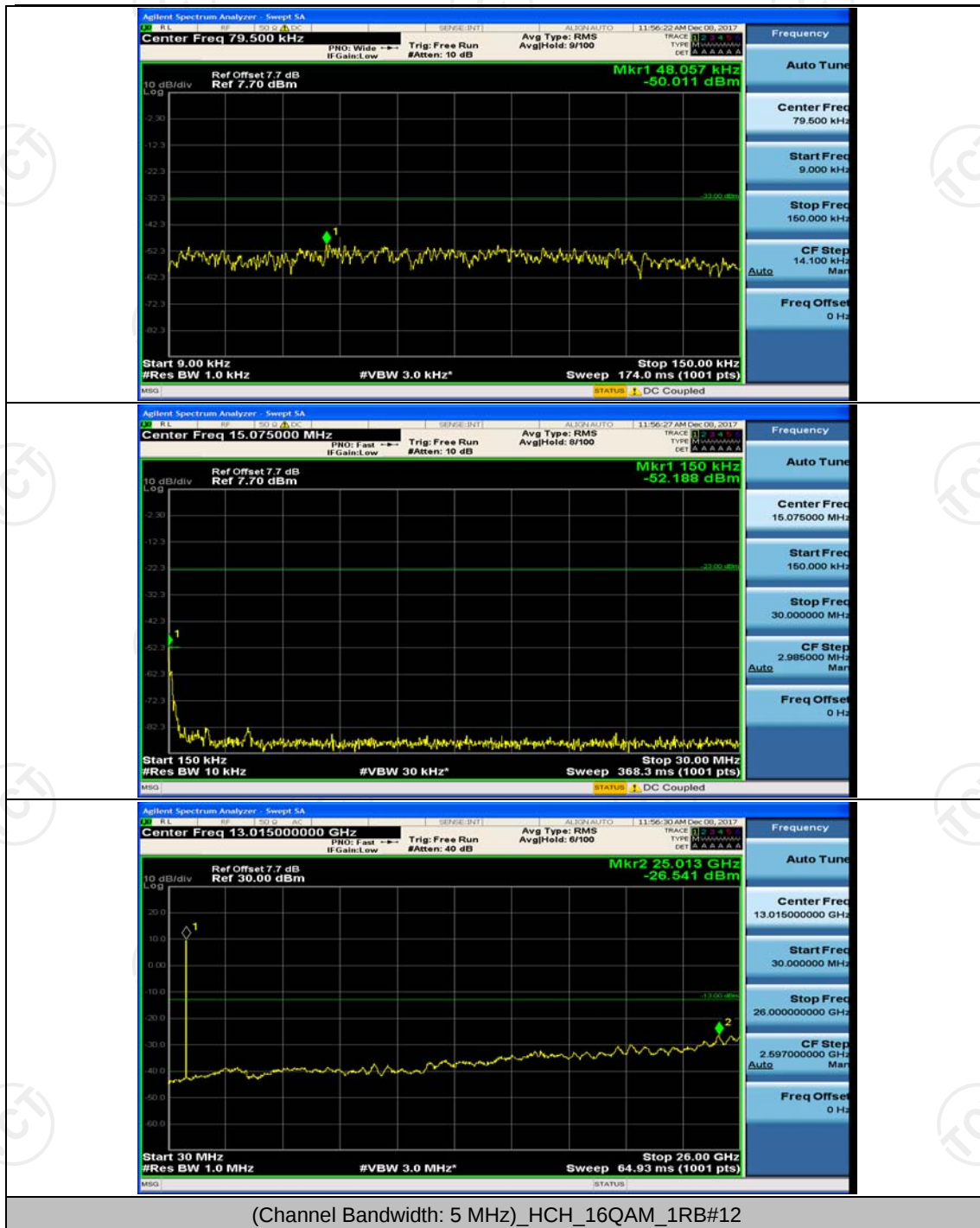
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

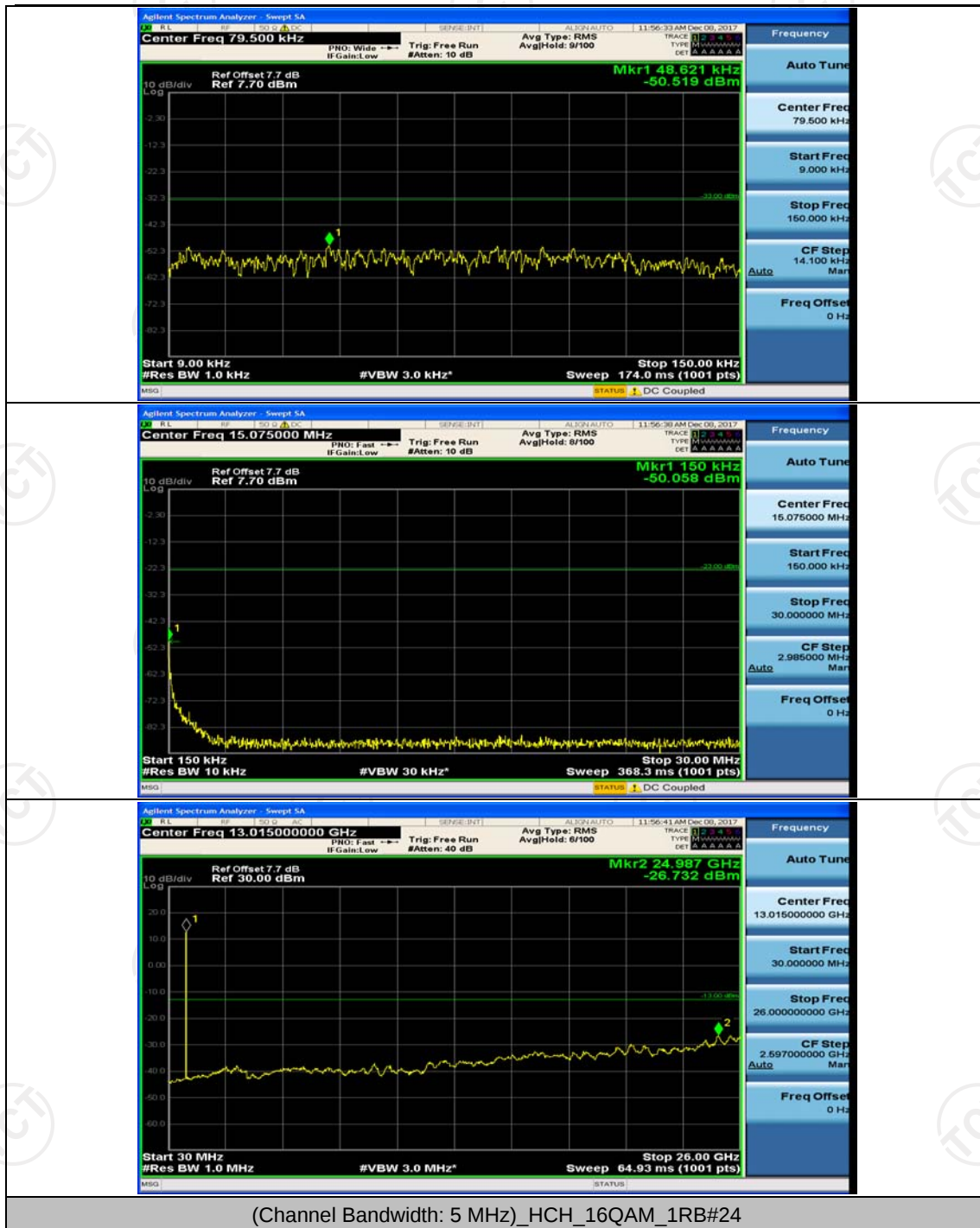


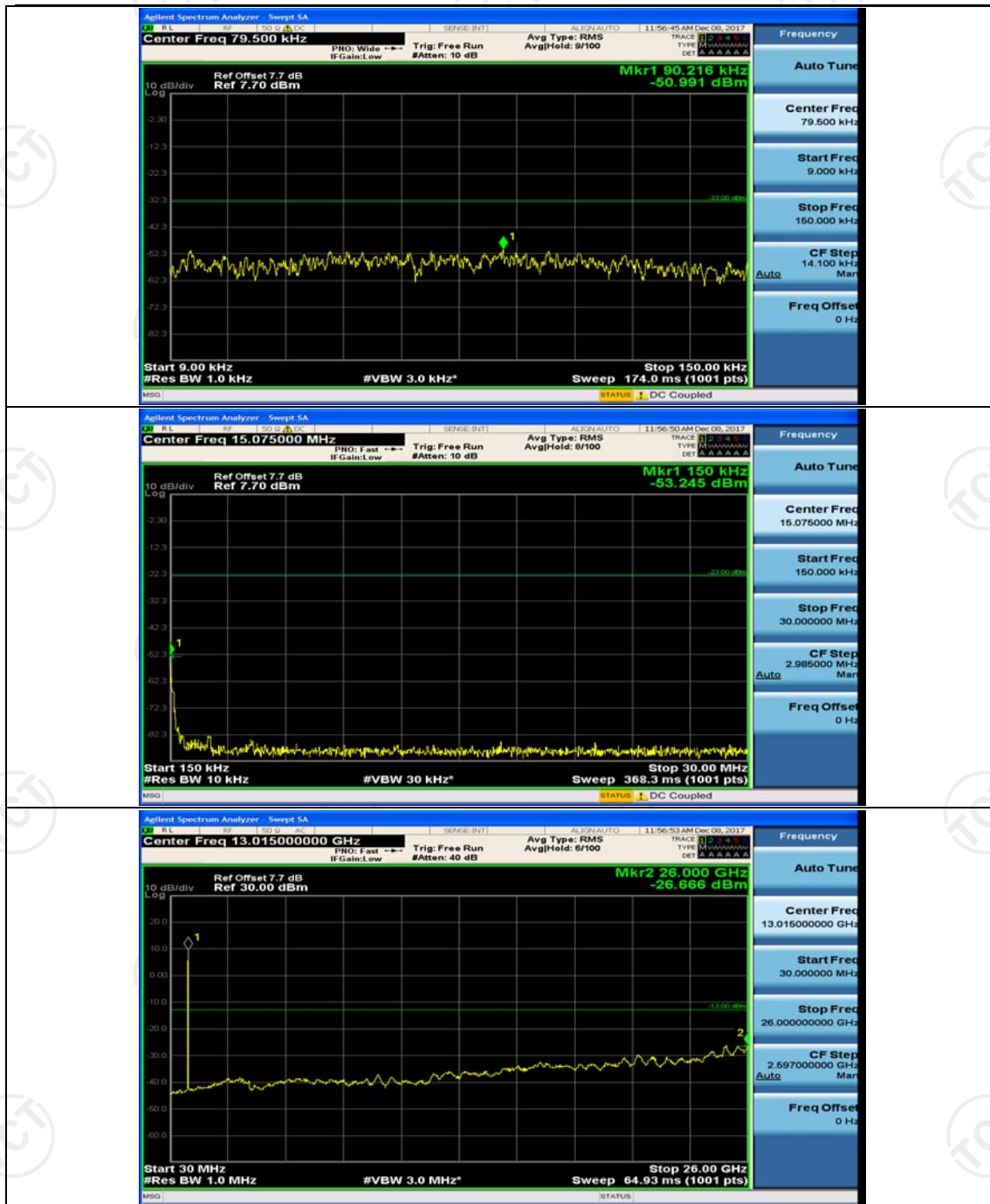




(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

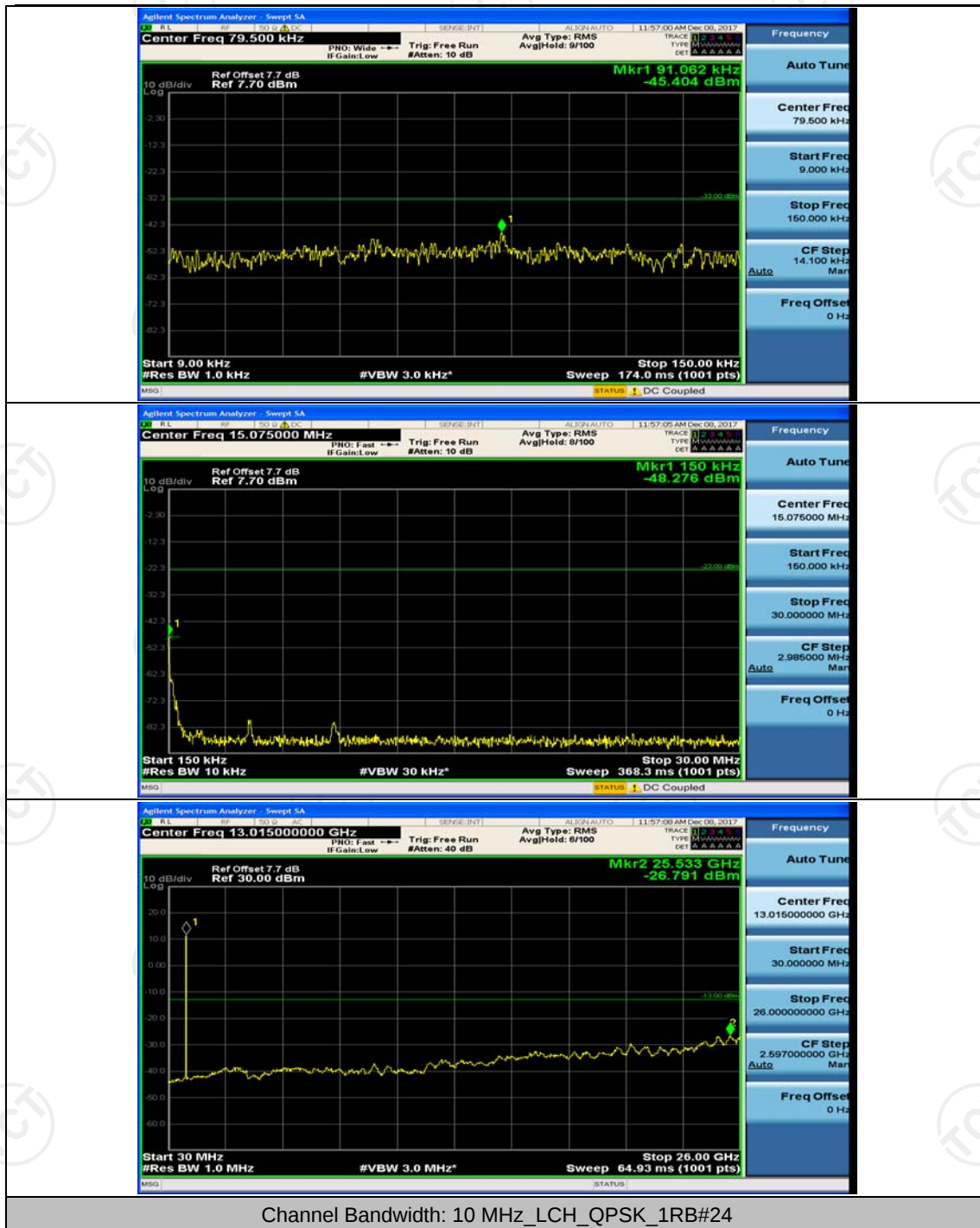


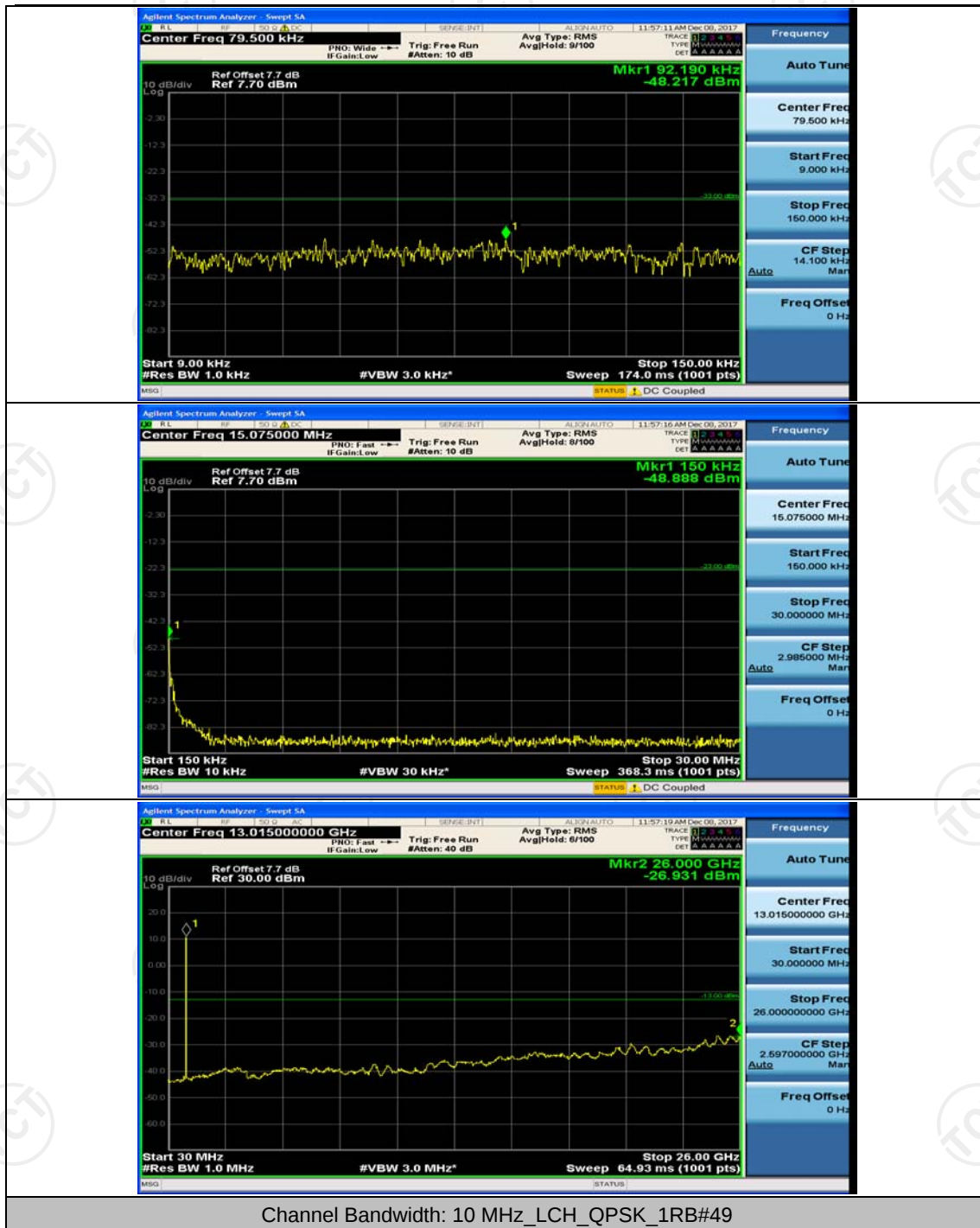


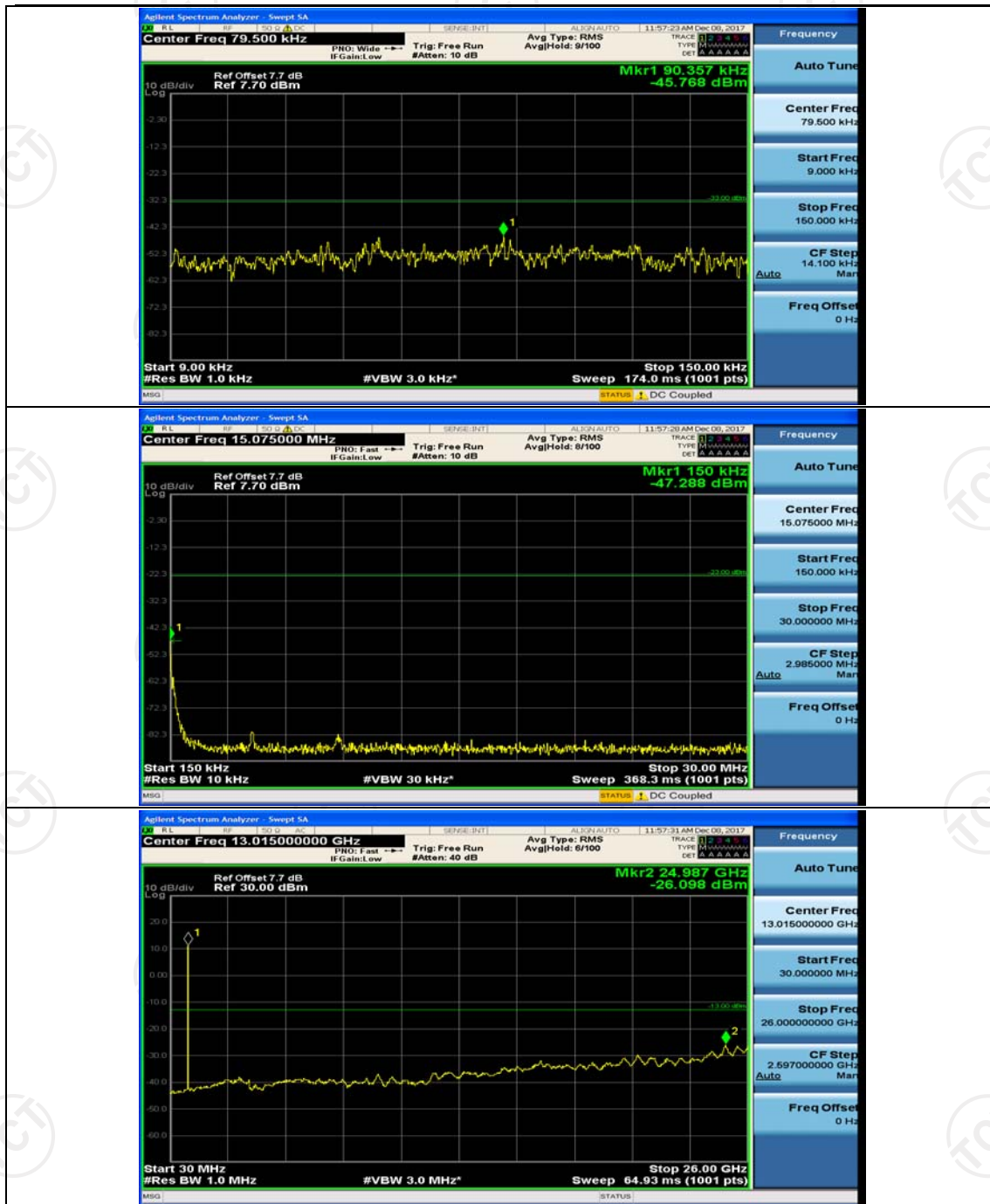


Channel Bandwidth: 10 MHz

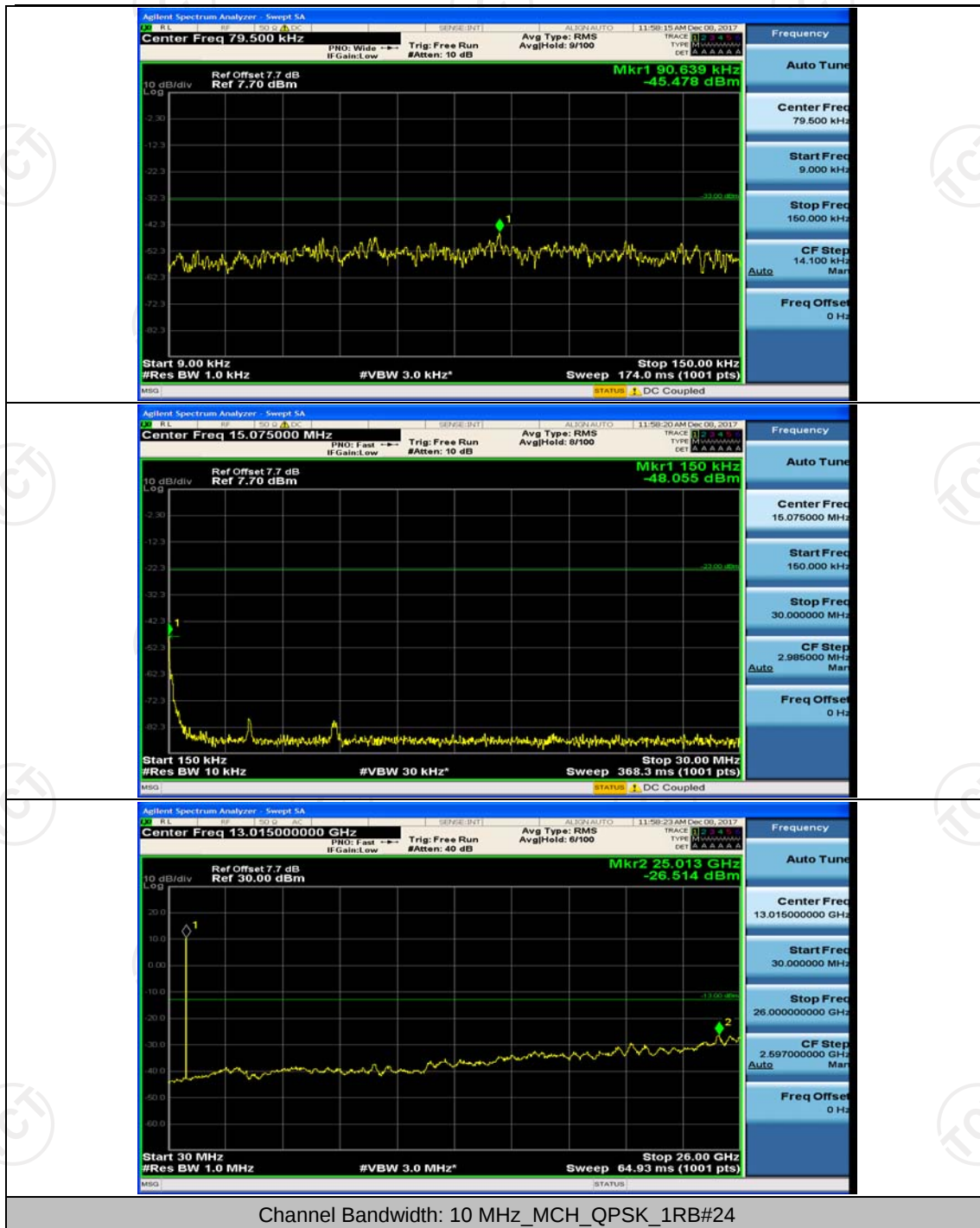
Channel Bandwidth: 10 MHz_LCH_QPSK_1RB#0

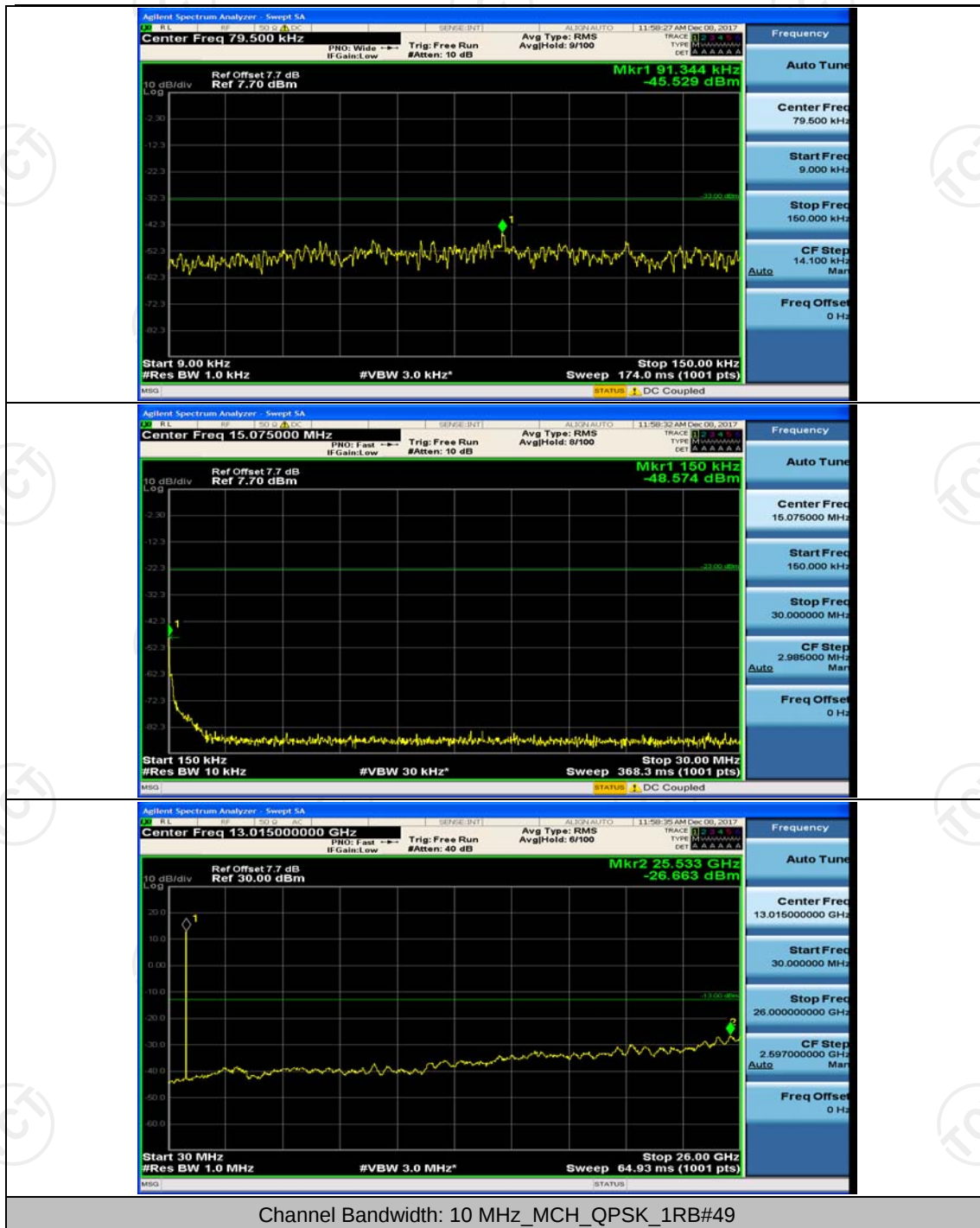


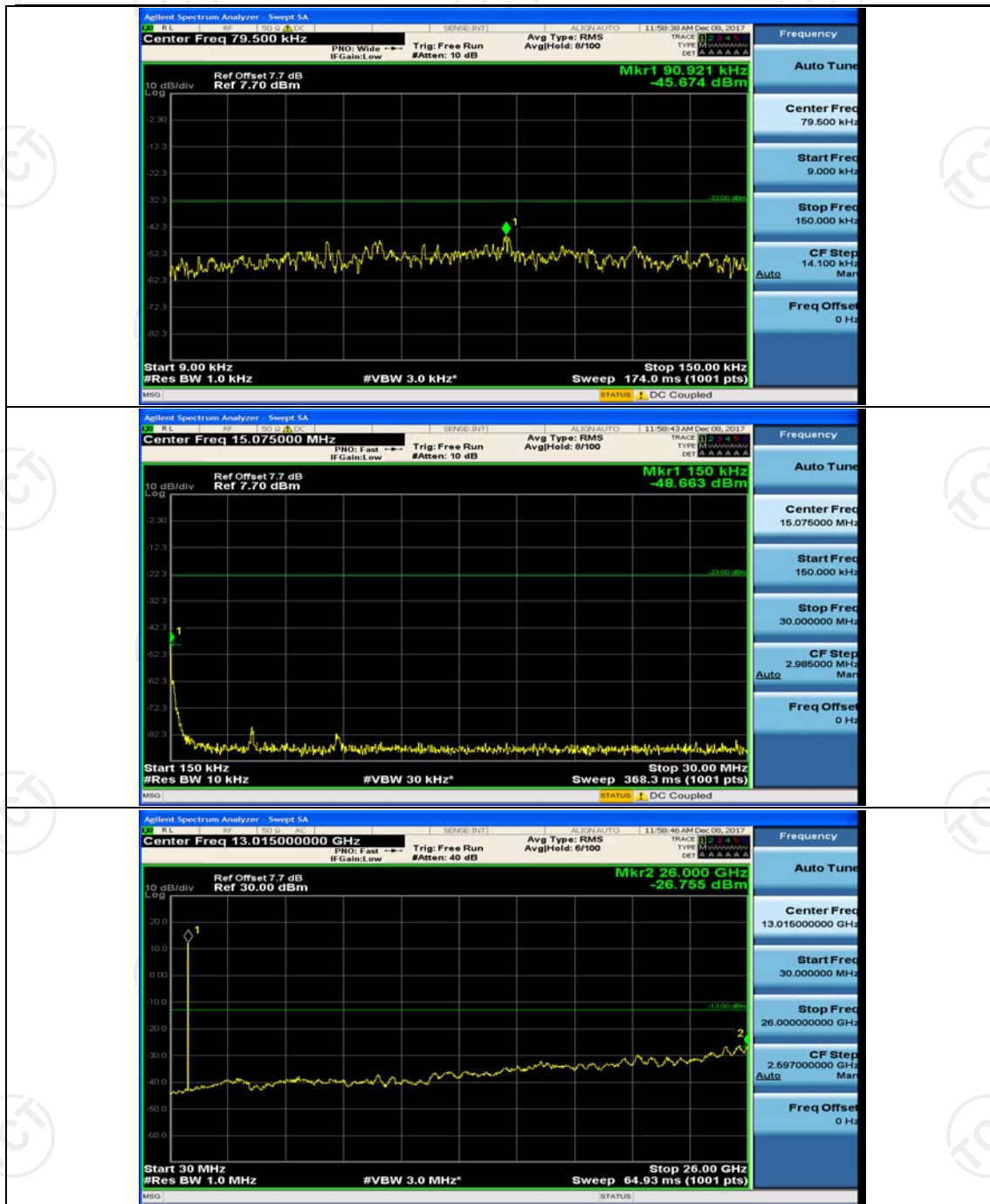




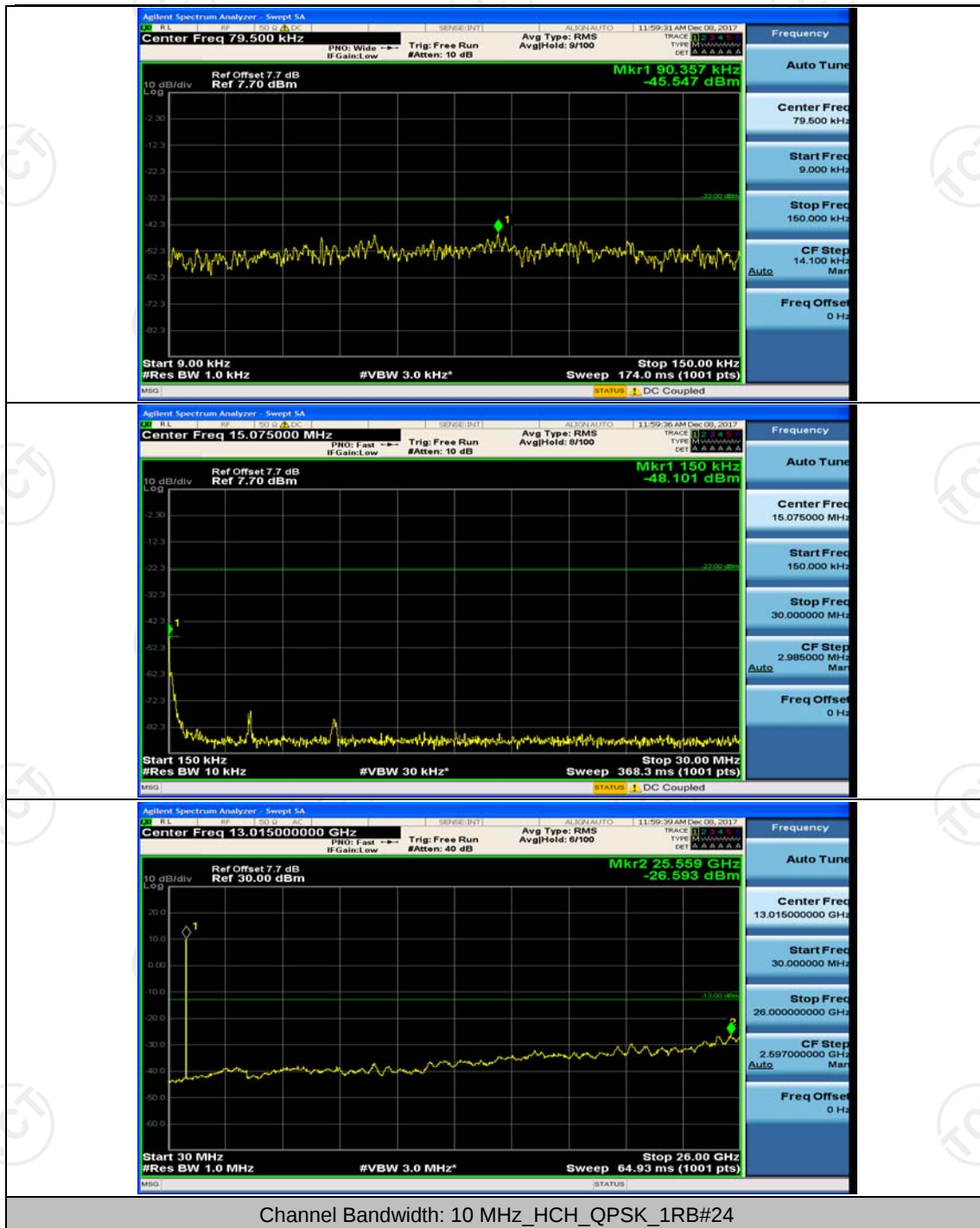
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

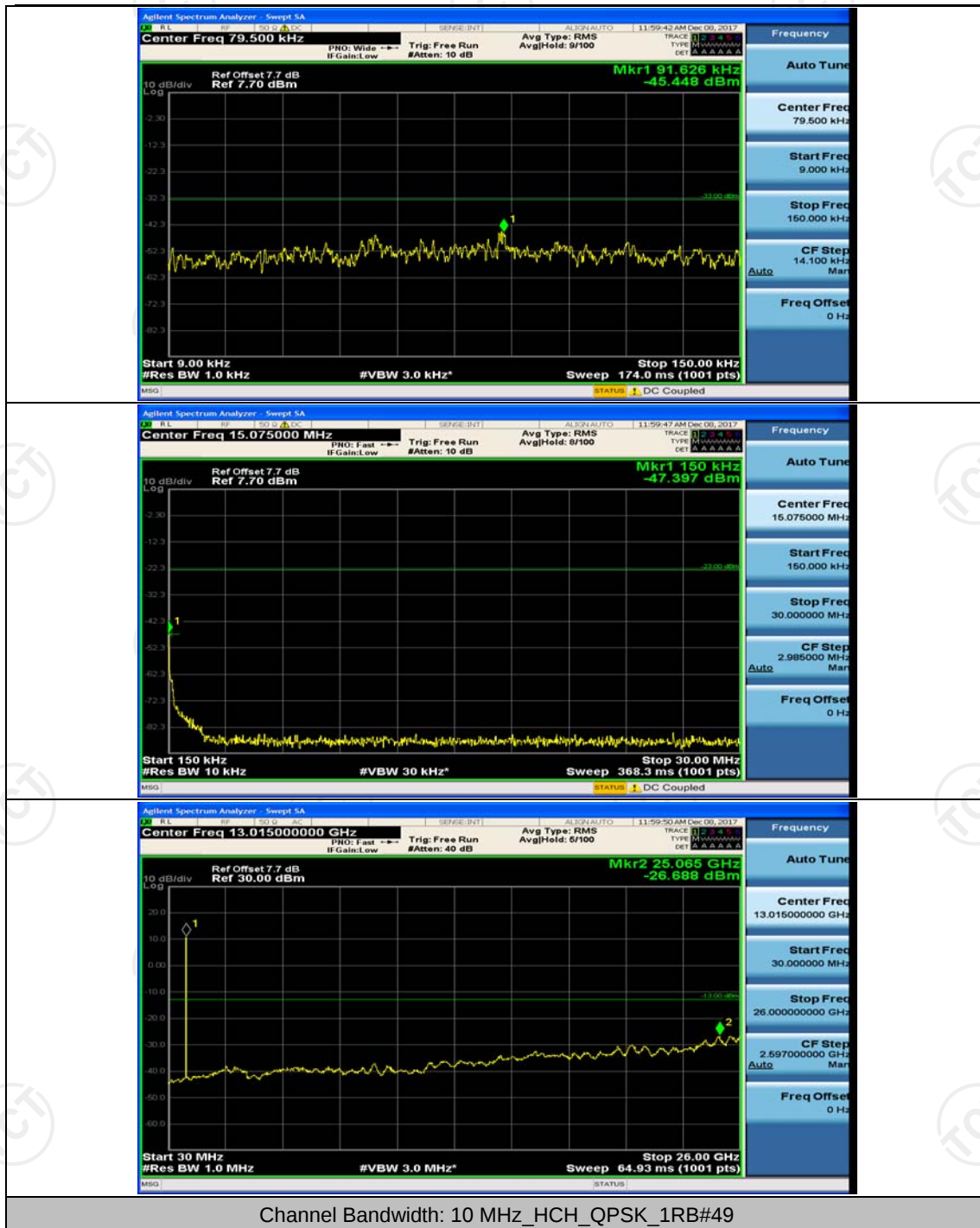


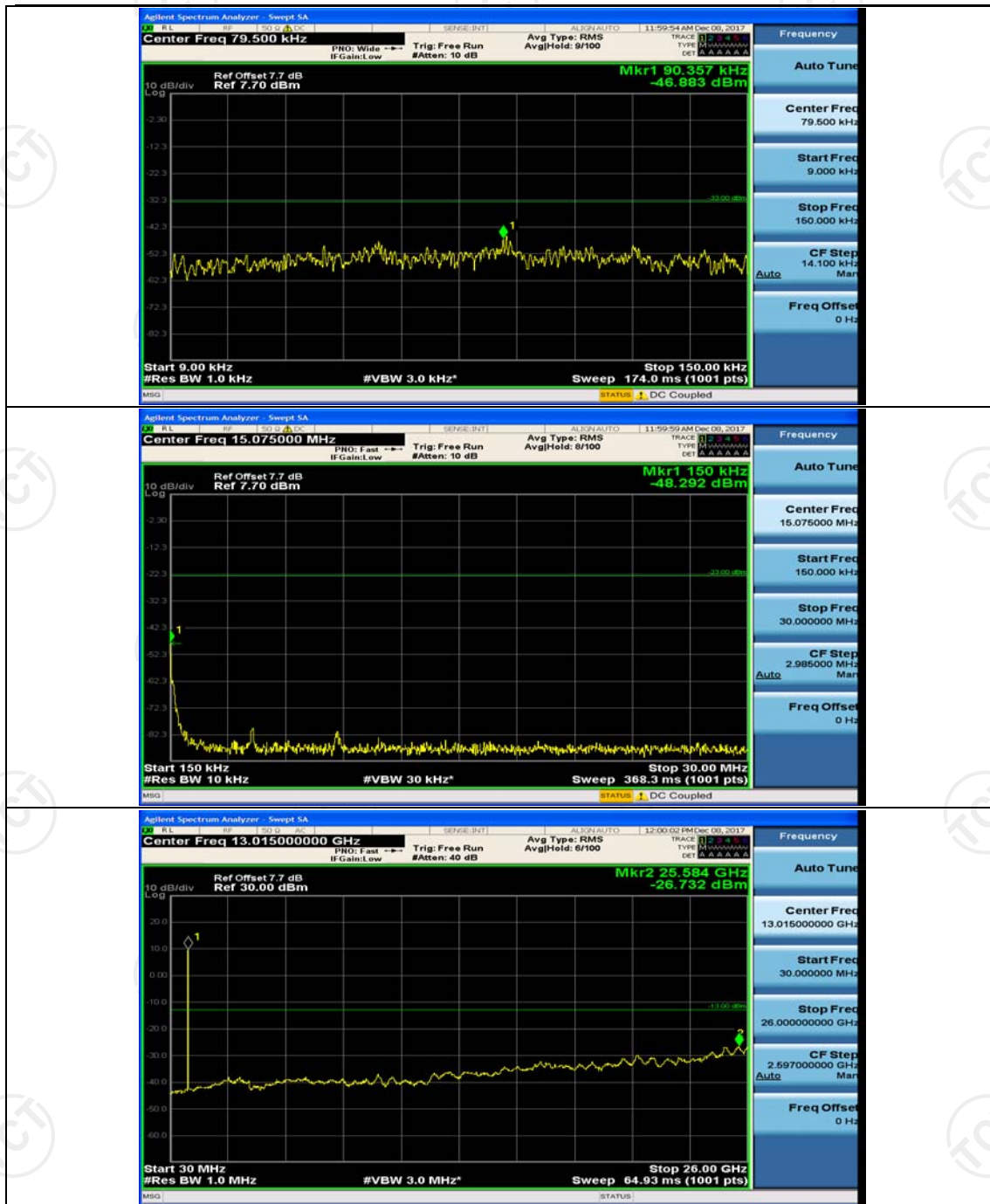




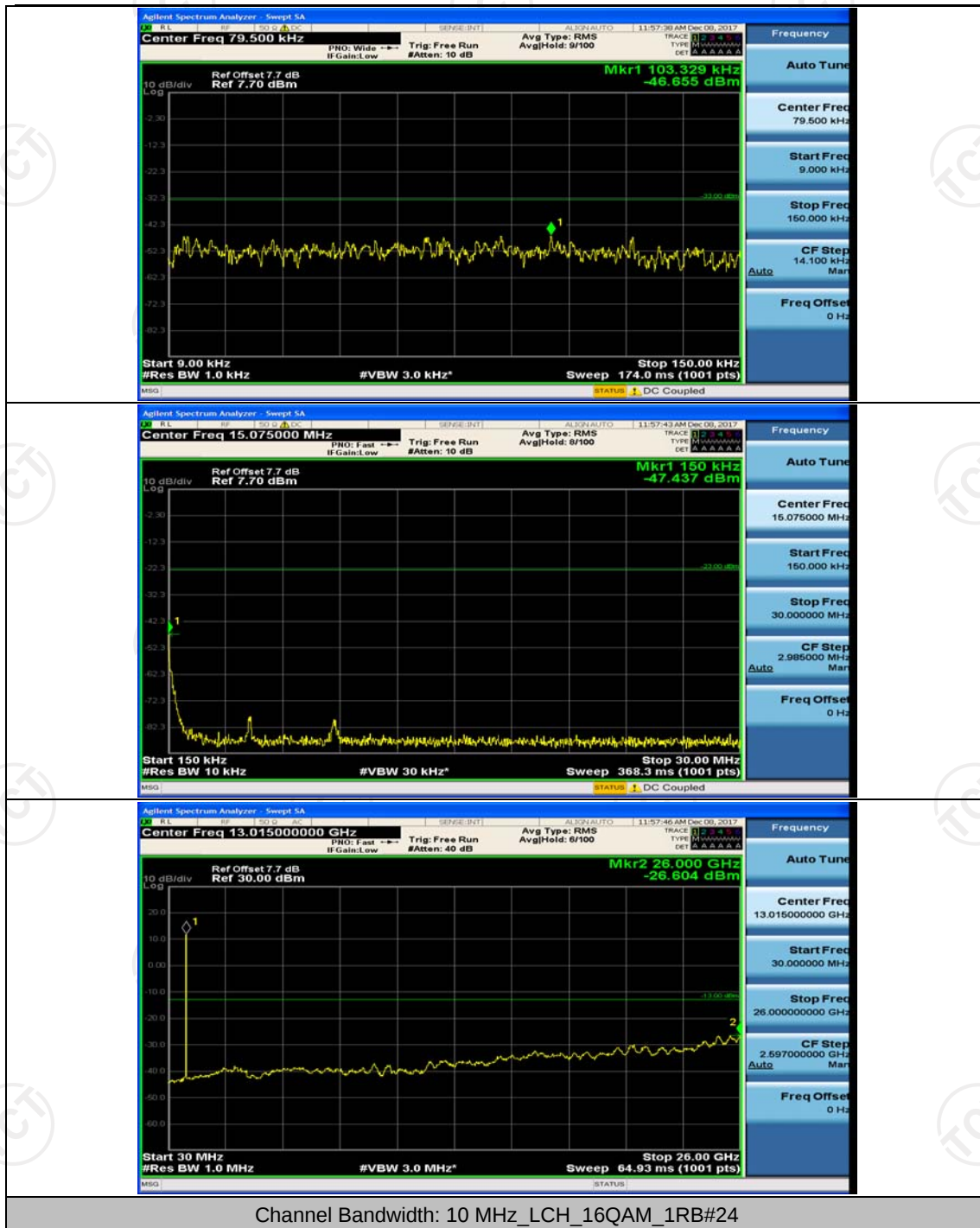
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

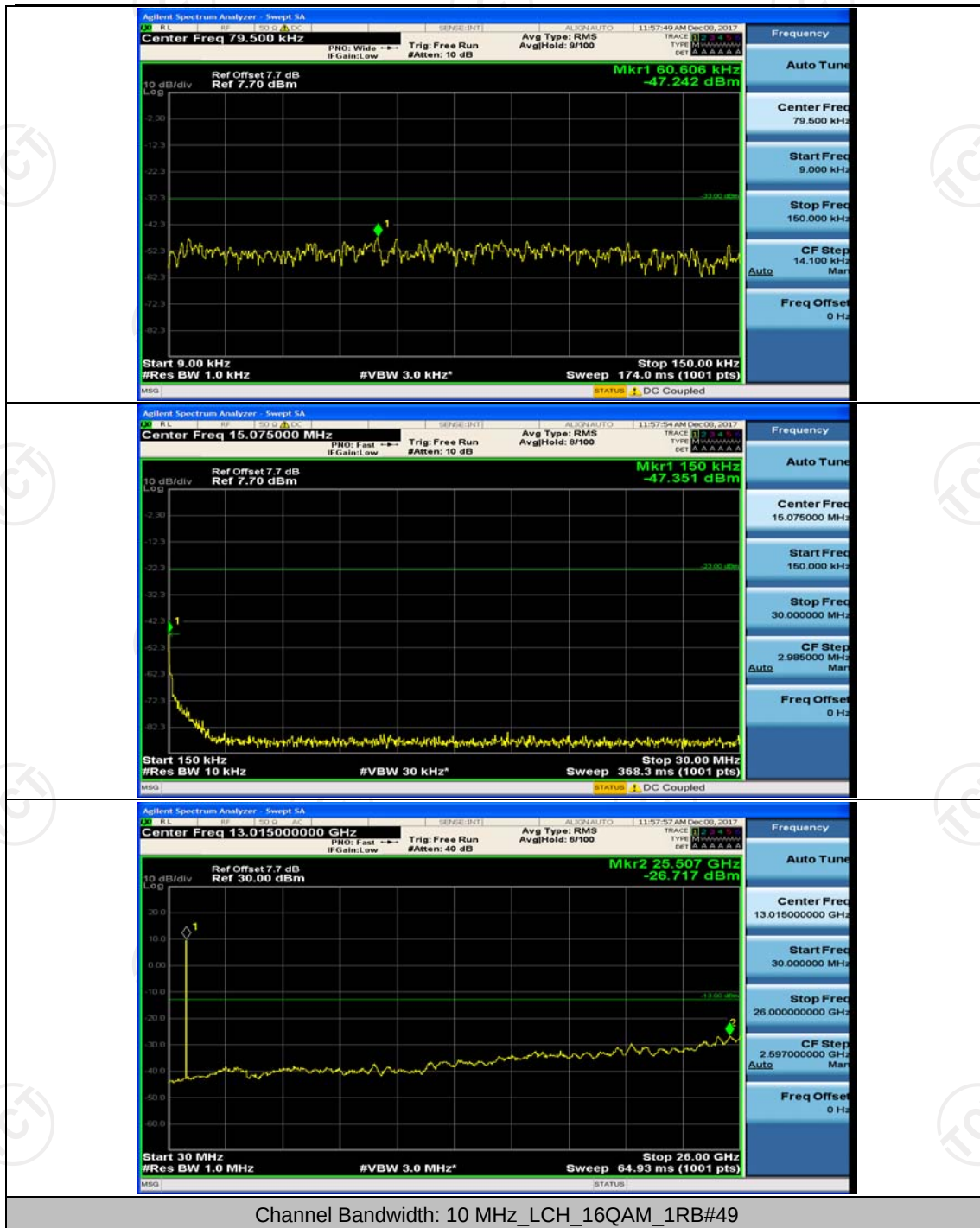


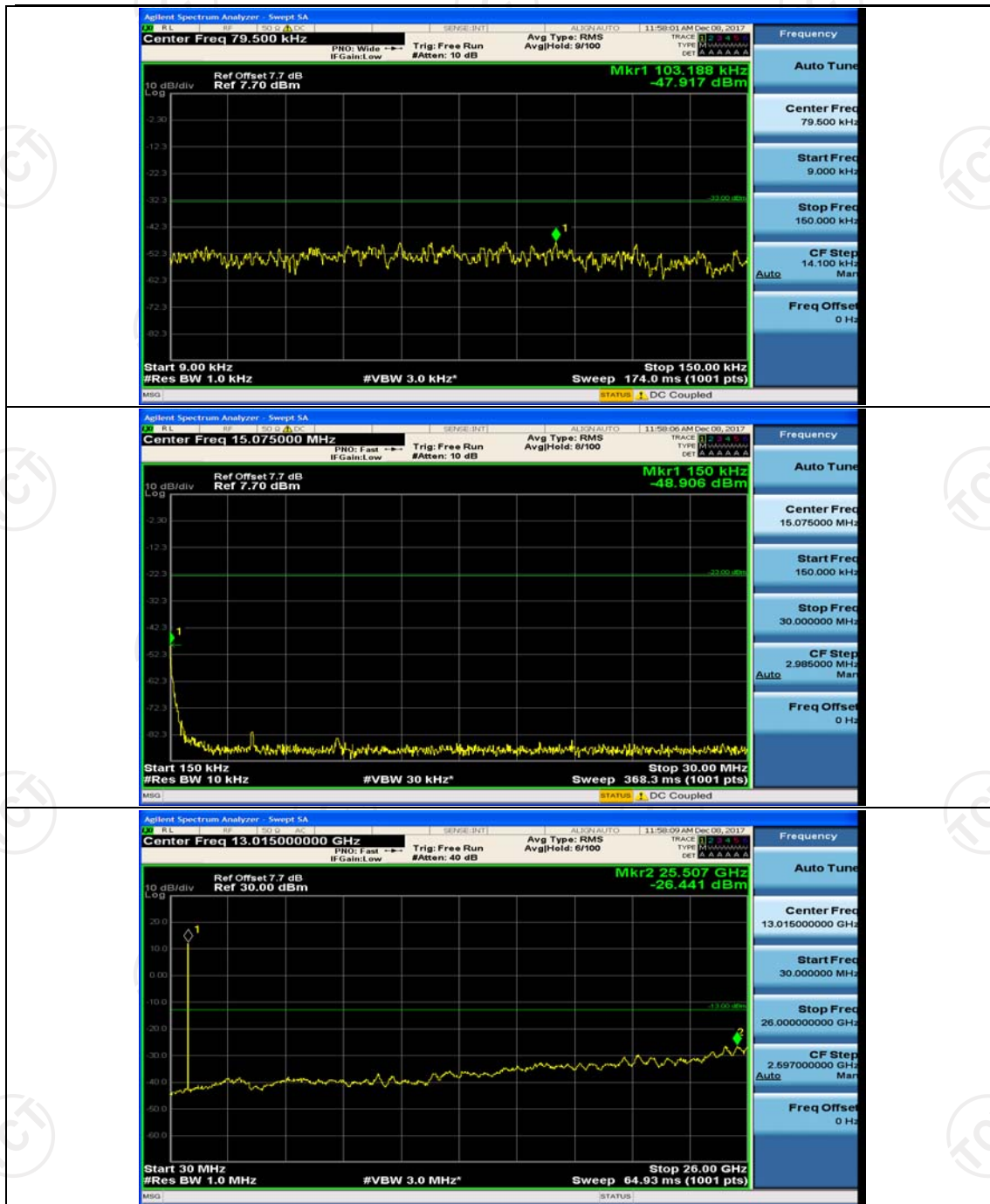




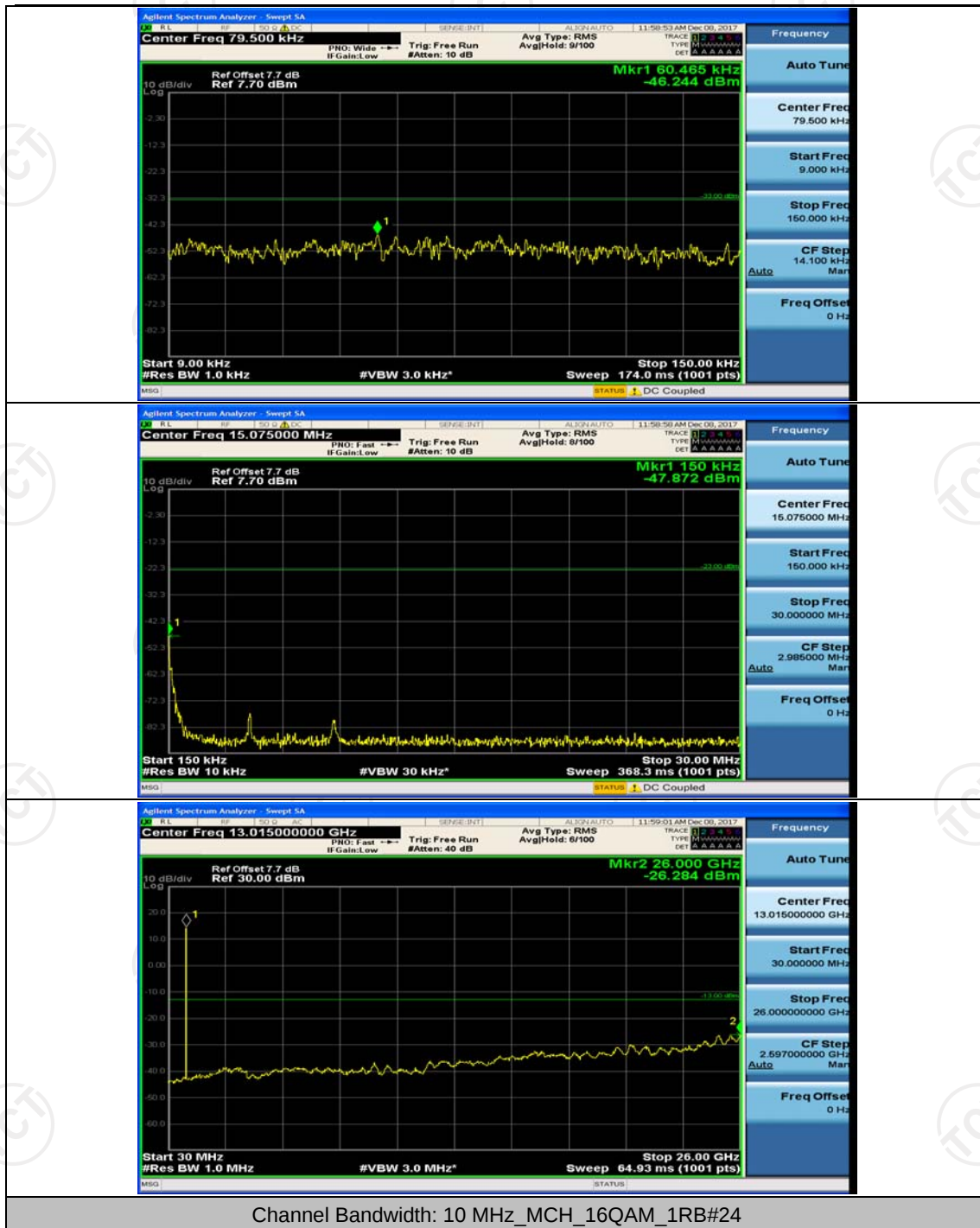
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

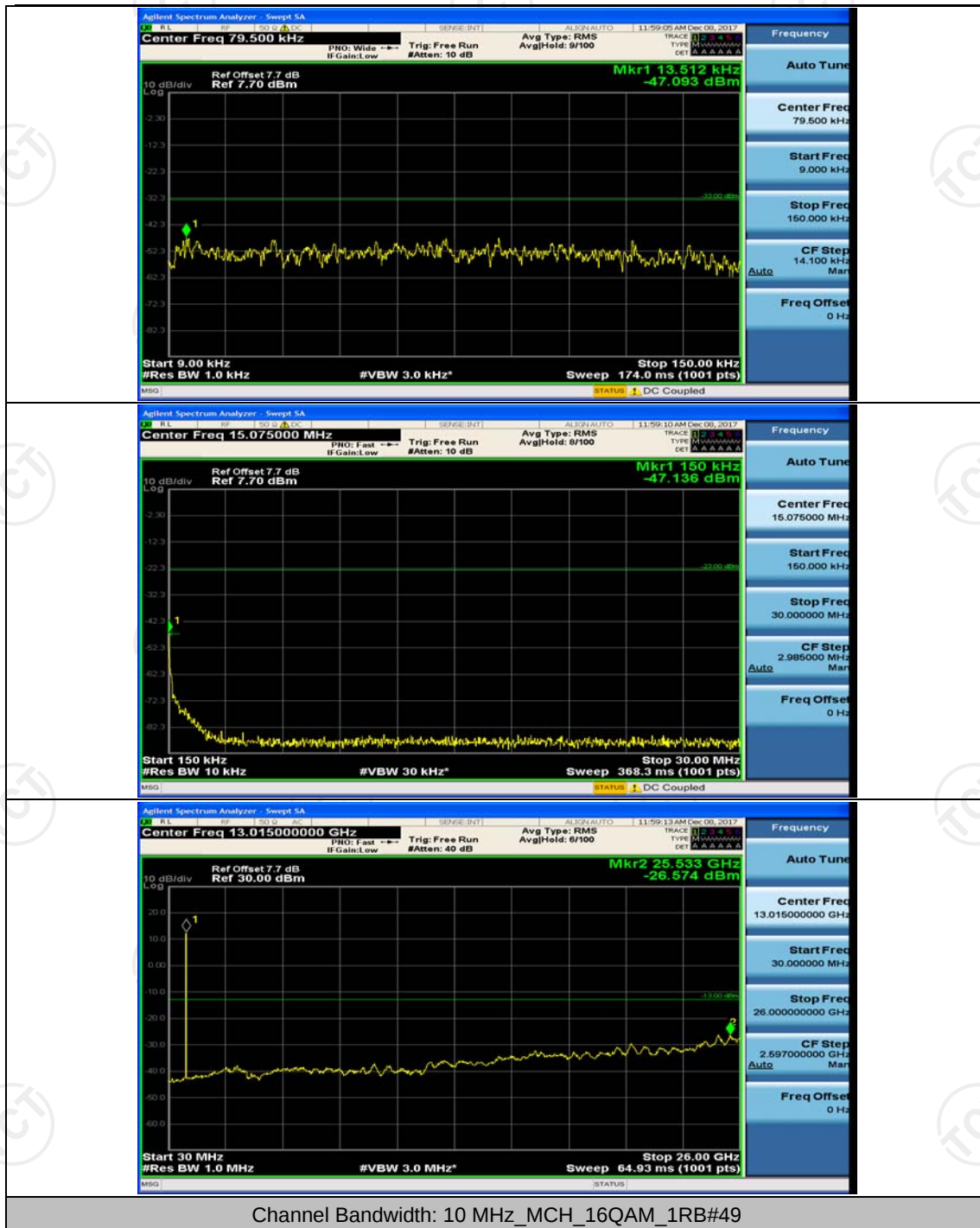


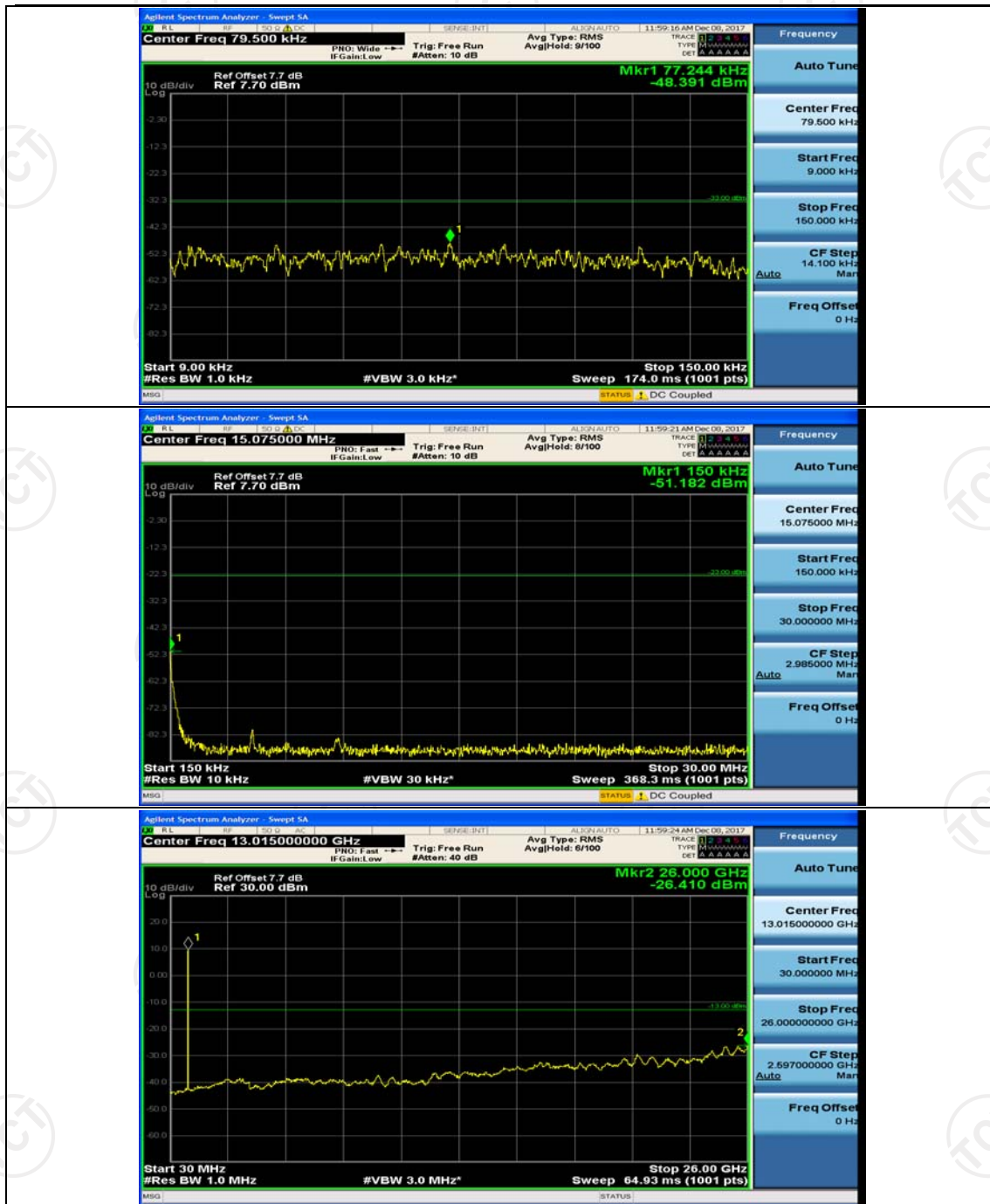




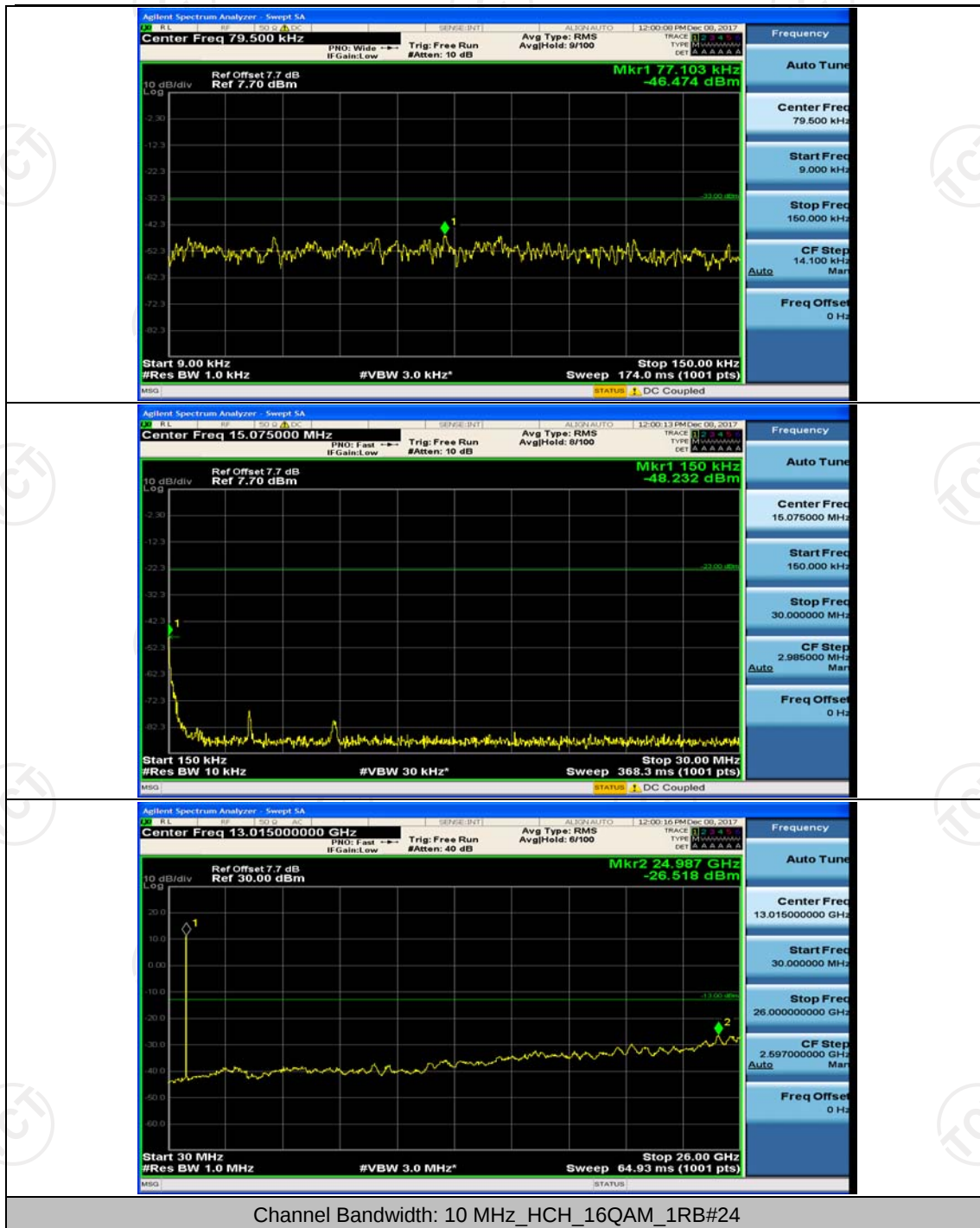
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

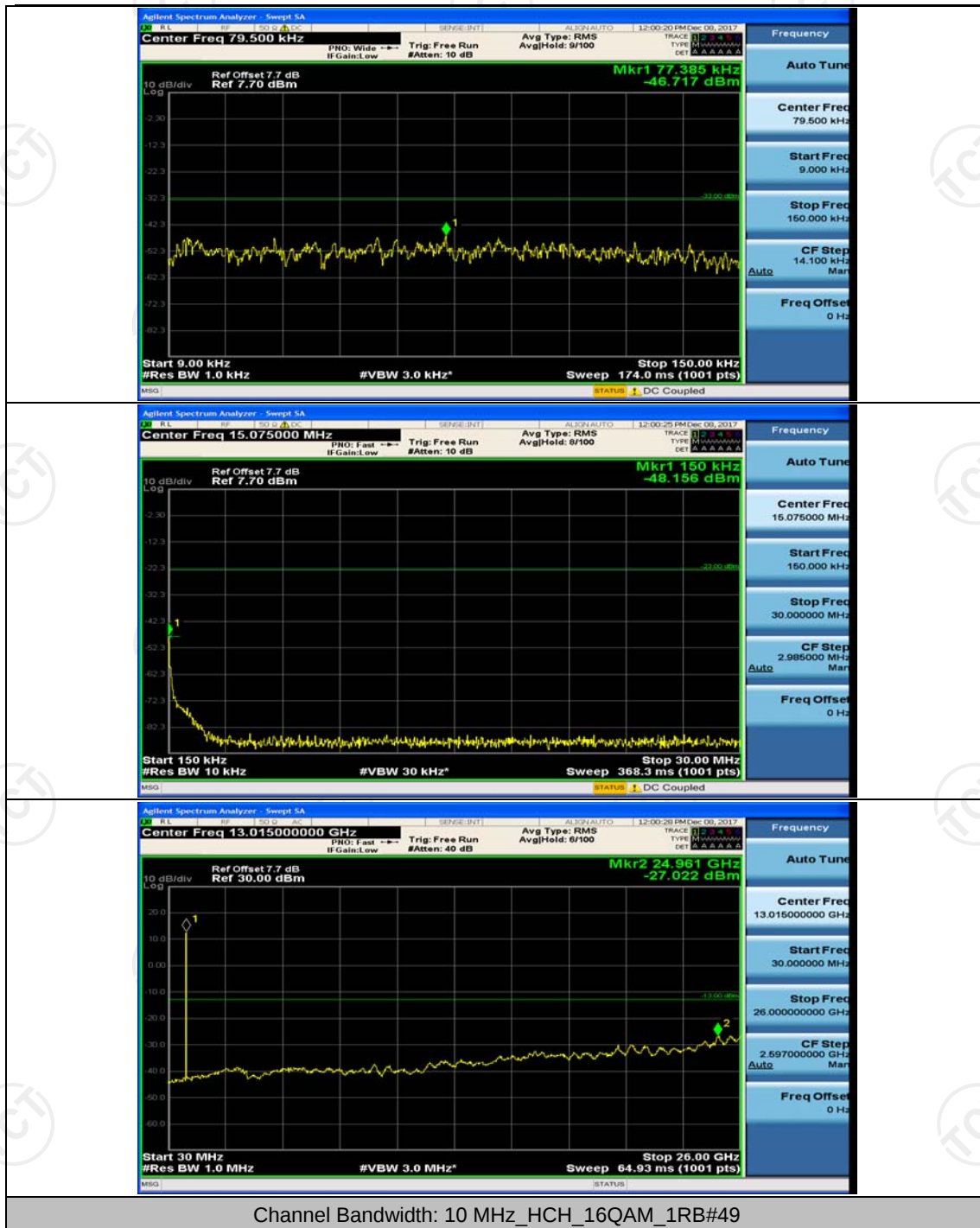


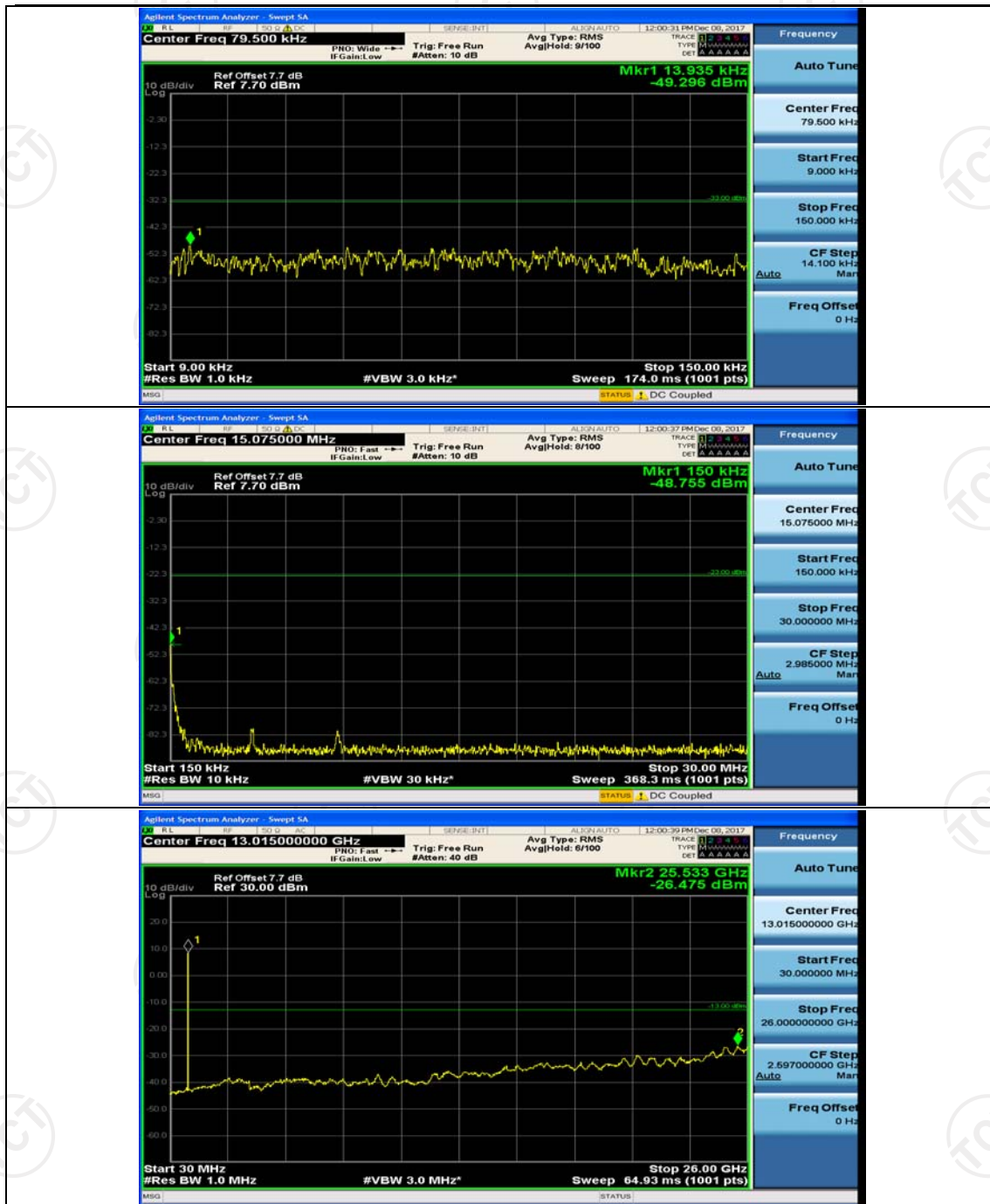




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0







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	7.1	TN	-0.000320	± 2.5	PASS
		7.4	TN	-0.000316	± 2.5	PASS
		8.4	TN	-0.000338	± 2.5	PASS
	MCH	7.1	TN	-0.002329	± 2.5	PASS
		7.4	TN	-0.002357	± 2.5	PASS
		8.4	TN	-0.002384	± 2.5	PASS
	HCH	7.1	TN	0.000129	± 2.5	PASS
		7.4	TN	0.000270	± 2.5	PASS
		8.4	TN	0.000246	± 2.5	PASS
16QAM	LCH	7.1	TN	0.000230	± 2.5	PASS
		7.4	TN	0.000158	± 2.5	PASS
		8.4	TN	0.000364	± 2.5	PASS
	MCH	7.1	TN	-0.002255	± 2.5	PASS
		7.4	TN	-0.002271	± 2.5	PASS
		8.4	TN	-0.002198	± 2.5	PASS
	HCH	7.1	TN	0.000184	± 2.5	PASS
		7.4	TN	0.000152	± 2.5	PASS
		8.4	TN	0.000230	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	0	-0.000634	± 2.5	PASS
		VN	10	-0.001120	± 2.5	PASS
		VN	20	-0.000579	± 2.5	PASS
		VN	30	0.000140	± 2.5	PASS
		VN	40	-0.000579	± 2.5	PASS
		VN	45	-0.001018	± 2.5	PASS
	MCH	VN	0	-0.001098	± 2.5	PASS
		VN	10	-0.002682	± 2.5	PASS
		VN	20	-0.002804	± 2.5	PASS
		VN	30	-0.002288	± 2.5	PASS
		VN	40	-0.002443	± 2.5	PASS
		VN	45	-0.001032	± 2.5	PASS
	HCH	VN	0	-0.001636	± 2.5	PASS
		VN	10	-0.001852	± 2.5	PASS
		VN	20	-0.000422	± 2.5	PASS
		VN	30	-0.000540	± 2.5	PASS
		VN	40	-0.001636	± 2.5	PASS

16QAM	LCH	VN	45	-0.001872	± 2.5	PASS
		VN	0	0.000301	± 2.5	PASS
		VN	10	0.000236	± 2.5	PASS
		VN	20	-0.000053	± 2.5	PASS
		VN	30	0.000158	± 2.5	PASS
		VN	40	0.000457	± 2.5	PASS
		VN	45	0.000176	± 2.5	PASS
	MCH	VN	0	-0.000453	± 2.5	PASS
		VN	10	-0.001525	± 2.5	PASS
		VN	20	-0.001841	± 2.5	PASS
		VN	30	-0.001531	± 2.5	PASS
		VN	40	0.000946	± 2.5	PASS
		VN	45	-0.000533	± 2.5	PASS
	HCH	VN	0	-0.002155	± 2.5	PASS
		VN	10	-0.000069	± 2.5	PASS
		VN	20	-0.001906	± 2.5	PASS
		VN	30	0.000034	± 2.5	PASS
		VN	40	-0.002142	± 2.5	PASS
		VN	45	-0.000034	± 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:	5M		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)		
1629.4	Vertical	-40.33	-13.00	PASS
2444.1	V	-43.51		
-	V	-		
1629.4	Horizontal	-43.67		
2444.1	H	-41.96		
-	H	-		
Bandwidth:	5M		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)		
1663	Vertical	-41.59	-13.00	PASS
2494.5	V	-45.10		
-	V	-		
1663	Horizontal	-44.23		
2494.5	H	-45.48		
-	H	-		
Bandwidth:	5M		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)		
1696.6	Vertical	-43.64	-13.00	PASS
2544.9	V	-44.12		
-	V	-		
1696.6	Horizontal	-41.38		
2544.9	H	-42.48		
-	H	-		

Bandwidth:	5M		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)		
1629.4	Vertical	-43.47	-13.00	PASS
2444.1	V	-45.69		
-	V	-		
1629.4	Horizontal	-44.31		
2444.1	H	-42.97		
-	H	-		
Bandwidth:	5M		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)		
1663	Vertical	-42.45	-13.00	PASS
2494.5	V	-44.69		
-	V	-		
1663	Horizontal	-43.41		
2494.5	H	-44.74		
-	H	-		
Bandwidth:	5M		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)		
1696.6	Vertical	-42.69	-13.00	PASS
2544.9	V	-43.48		
-	V	-		
1696.6	Horizontal	-43.47		
2544.9	H	-43.87		
-	H	-		

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