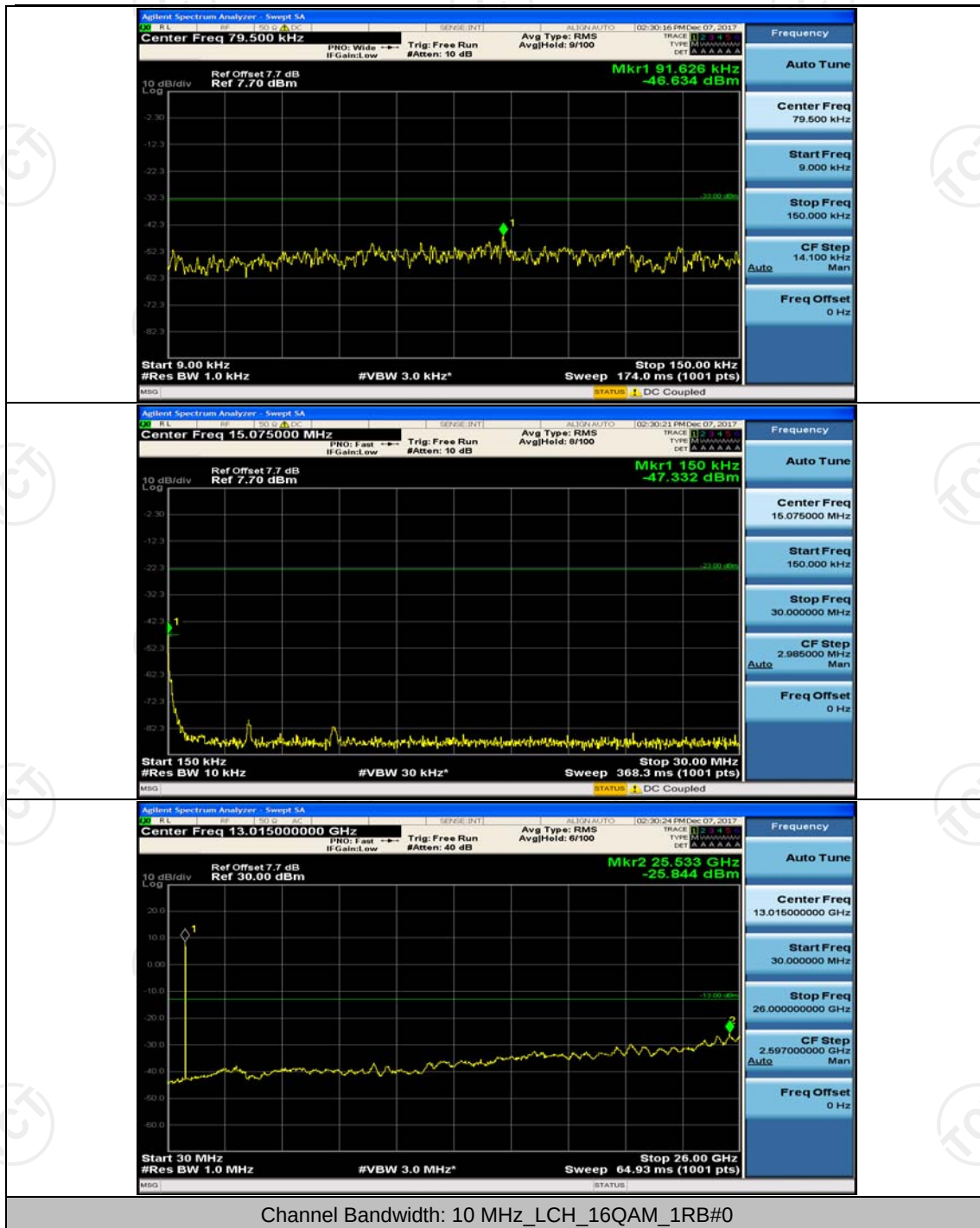
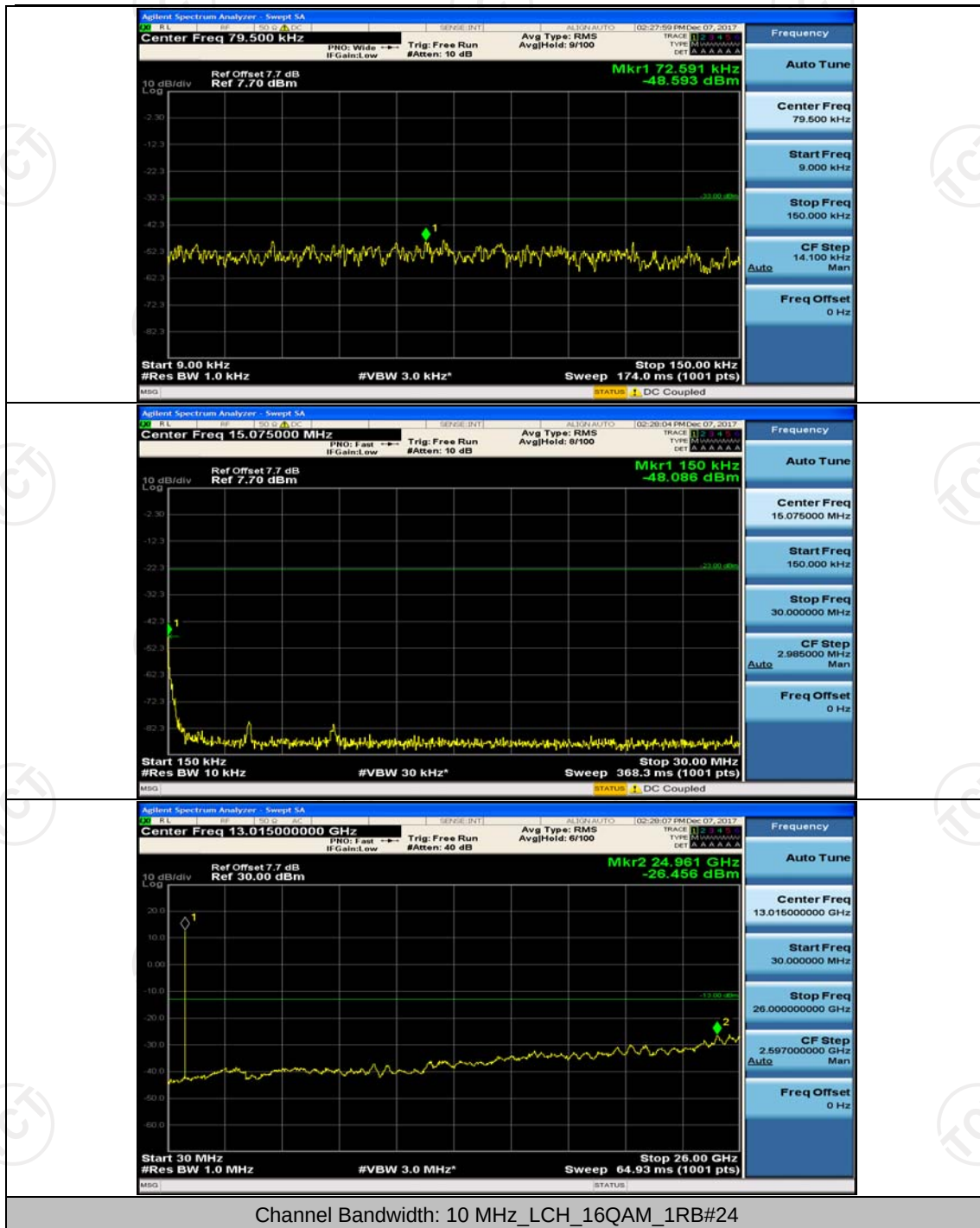
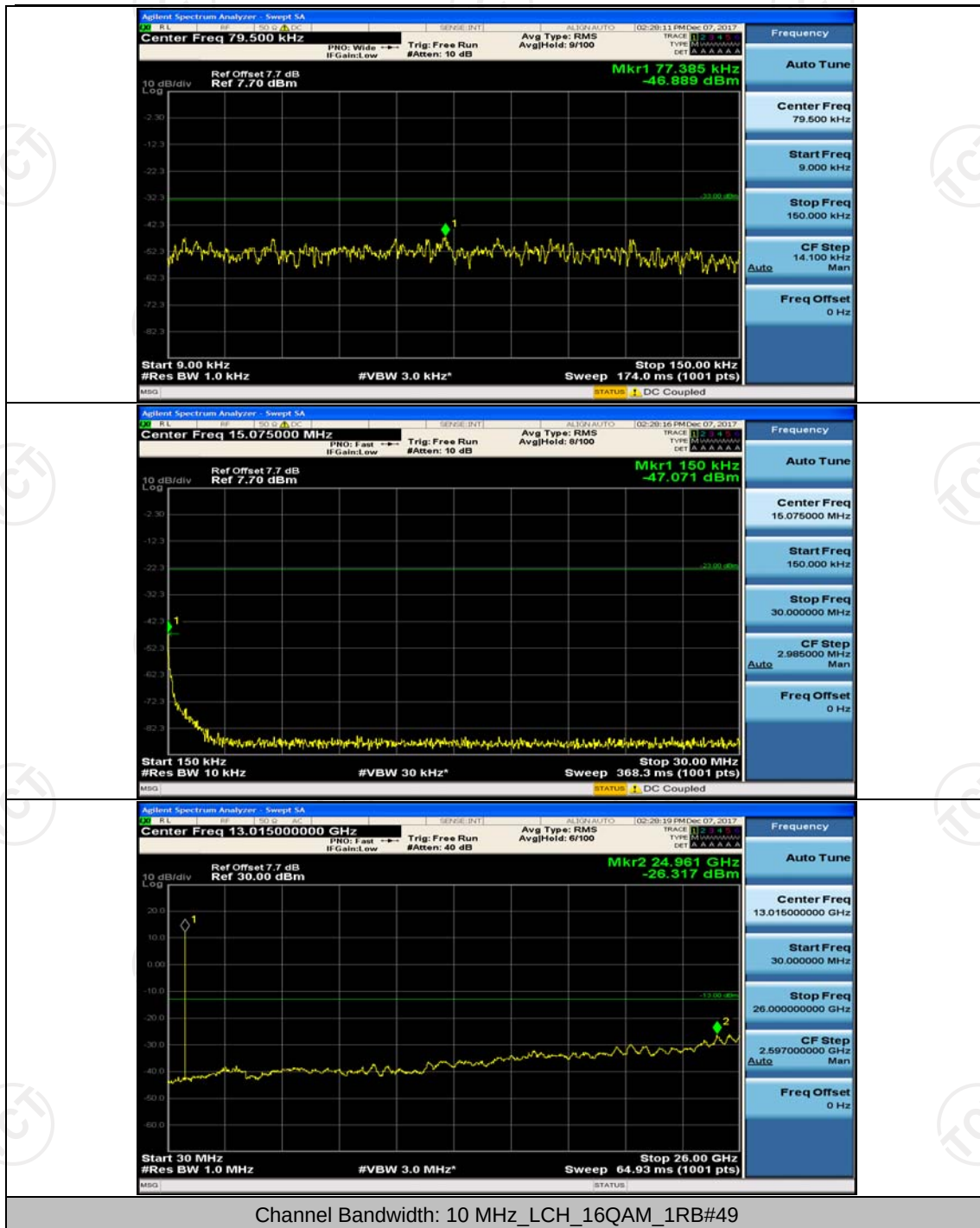
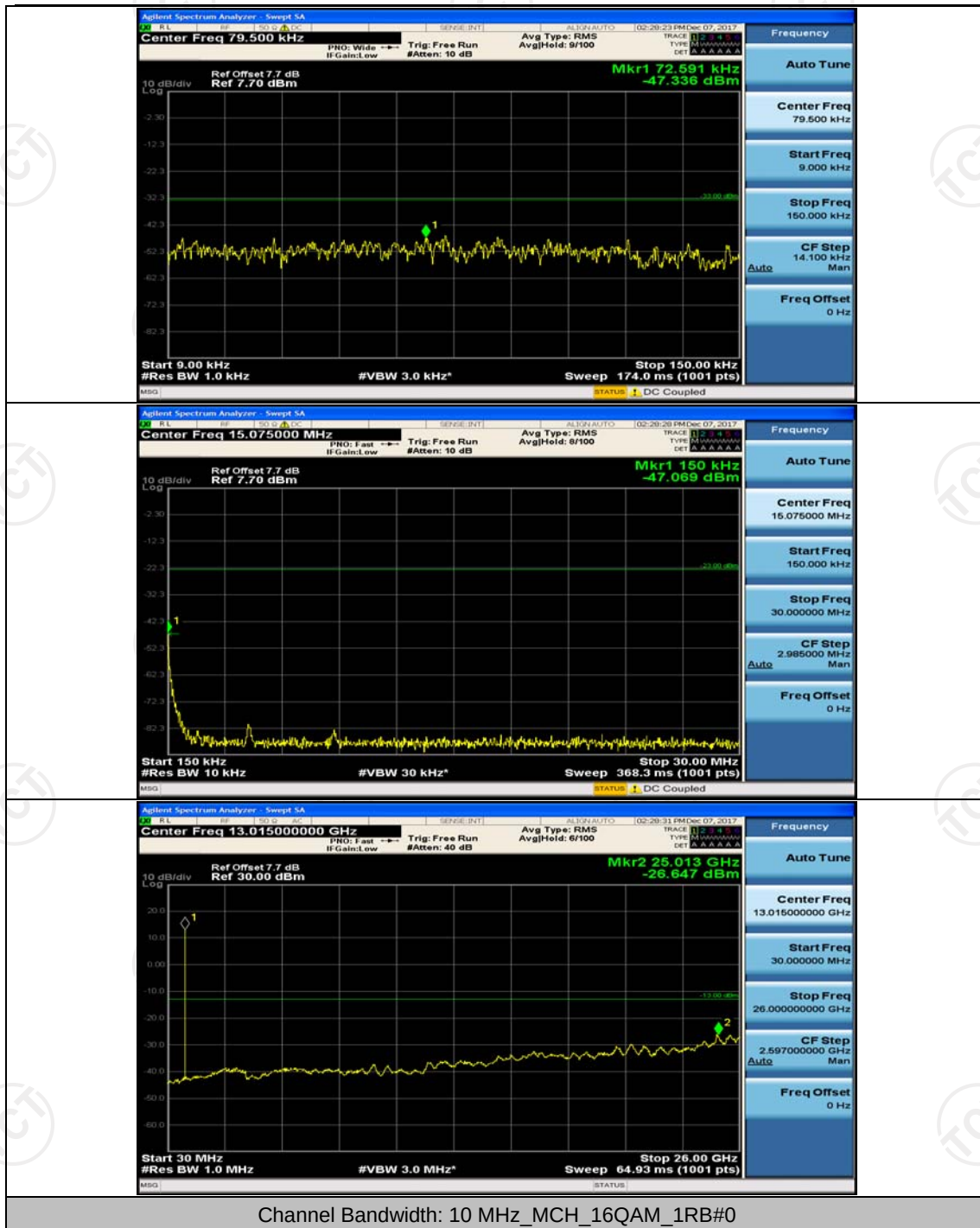
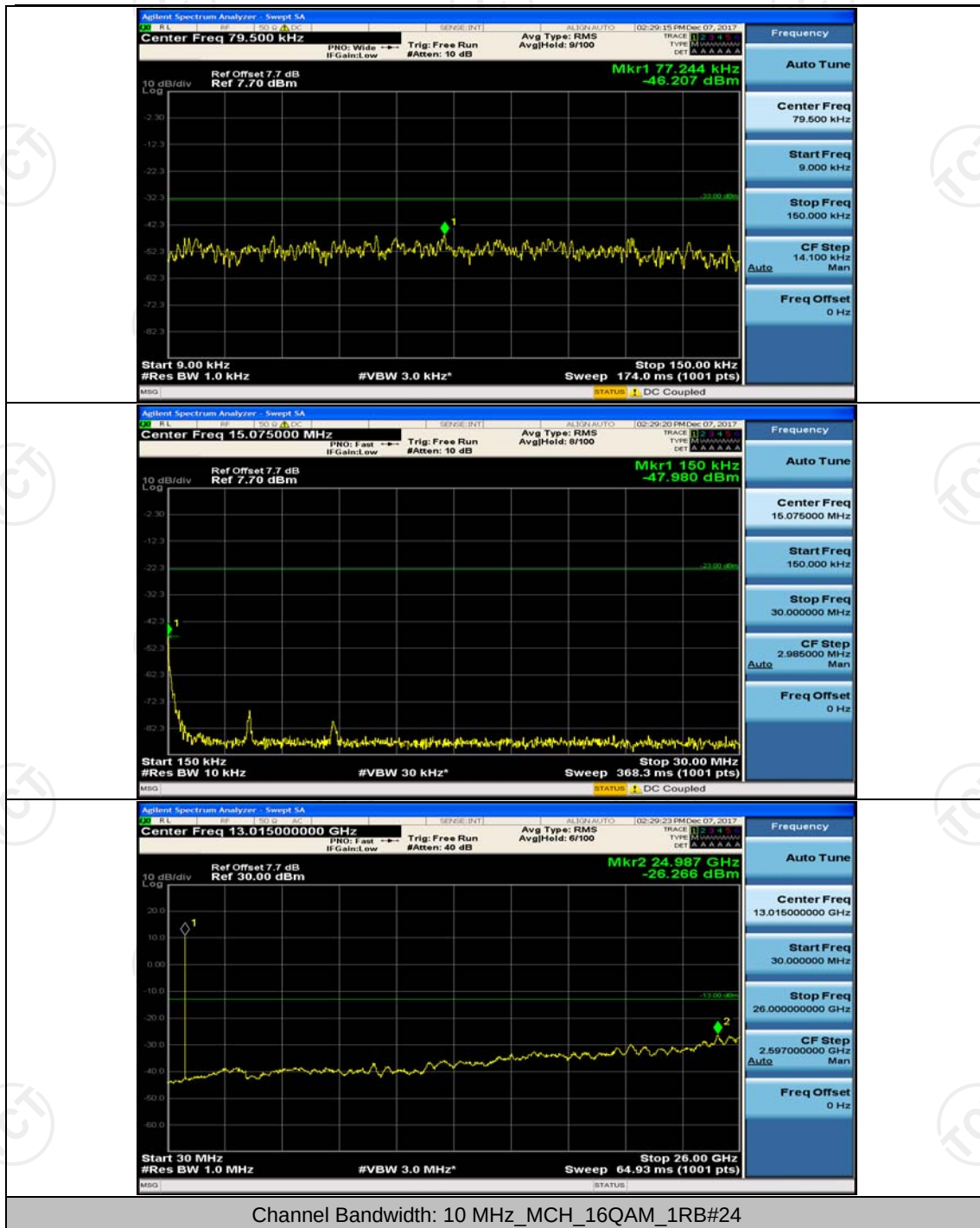


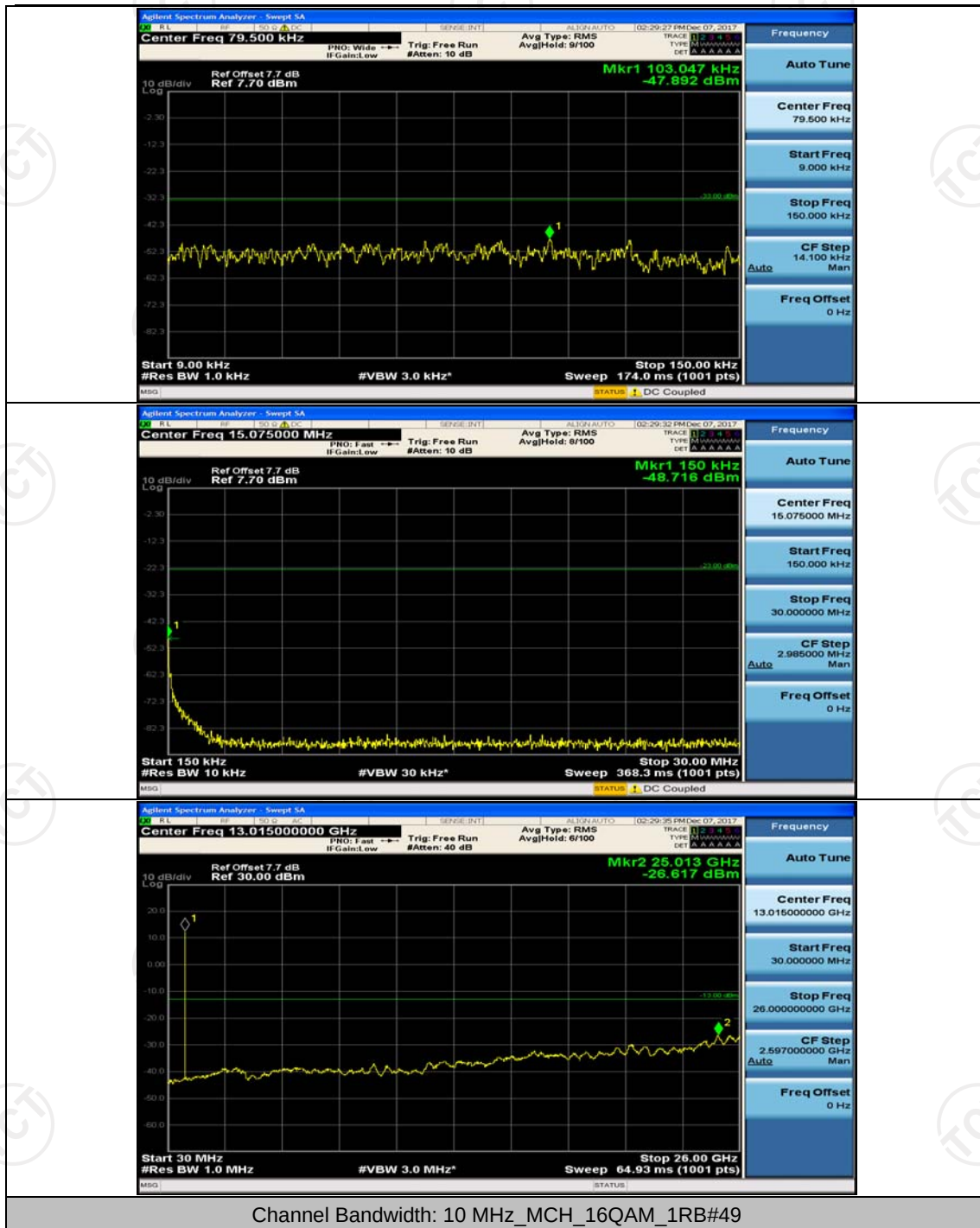


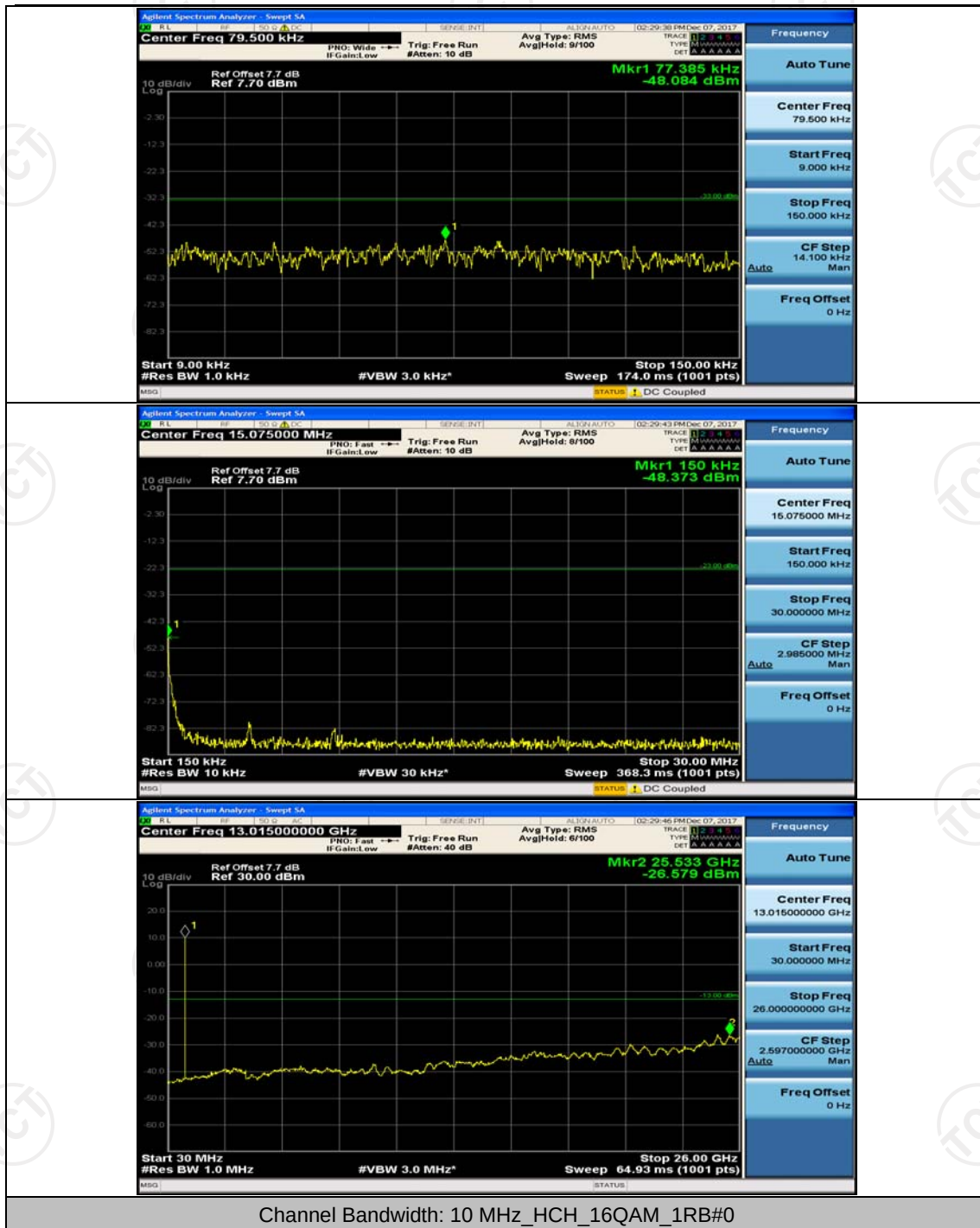


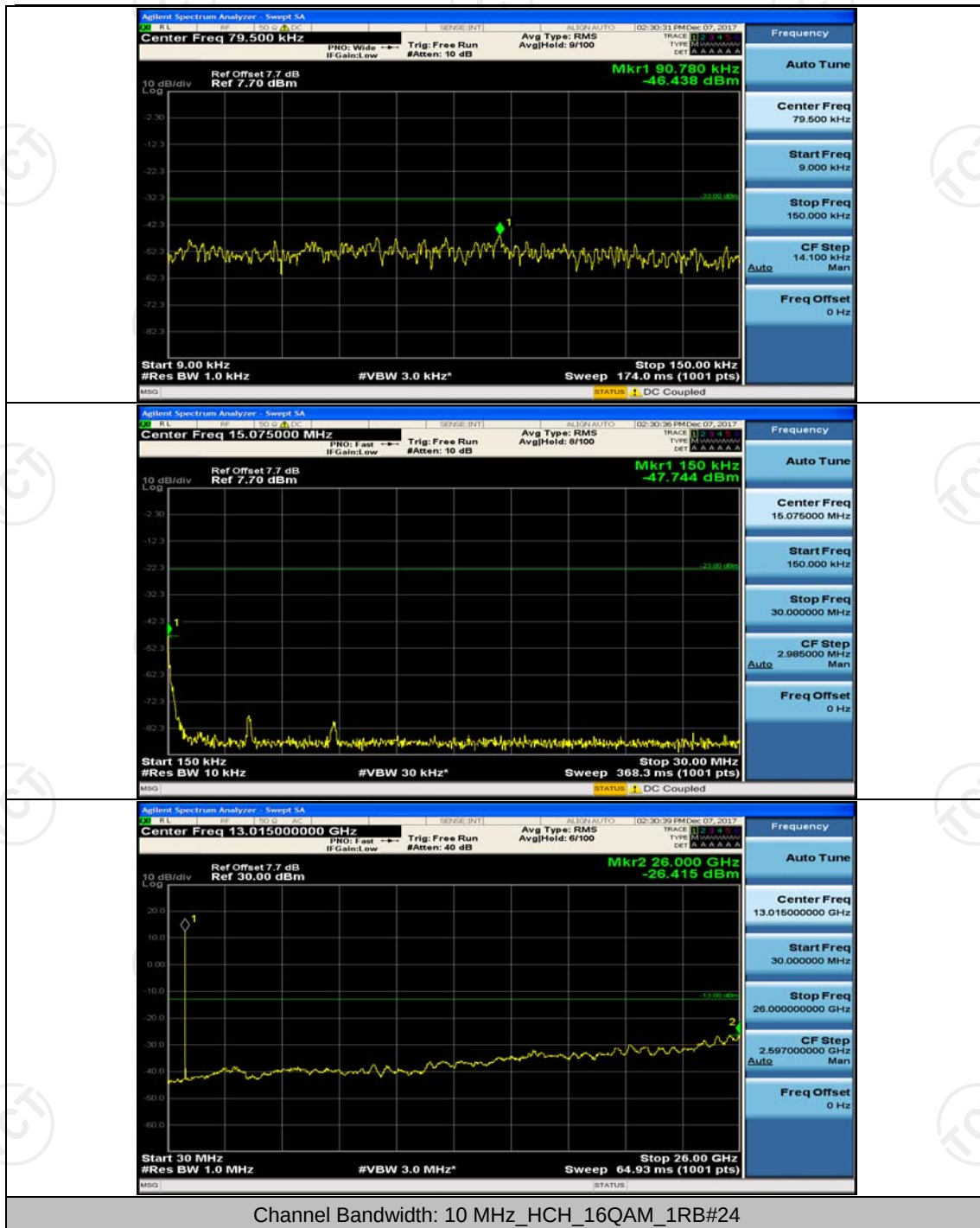


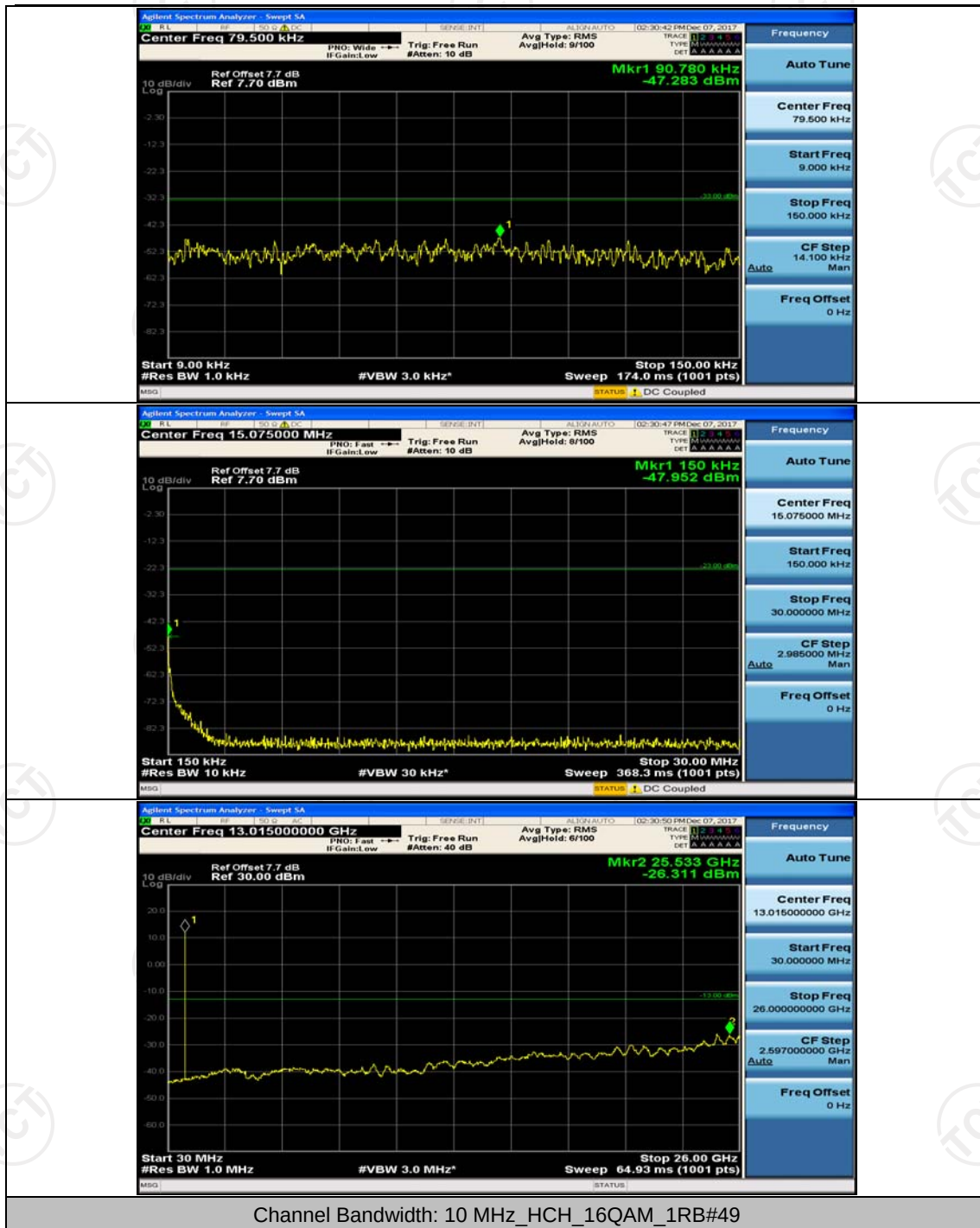


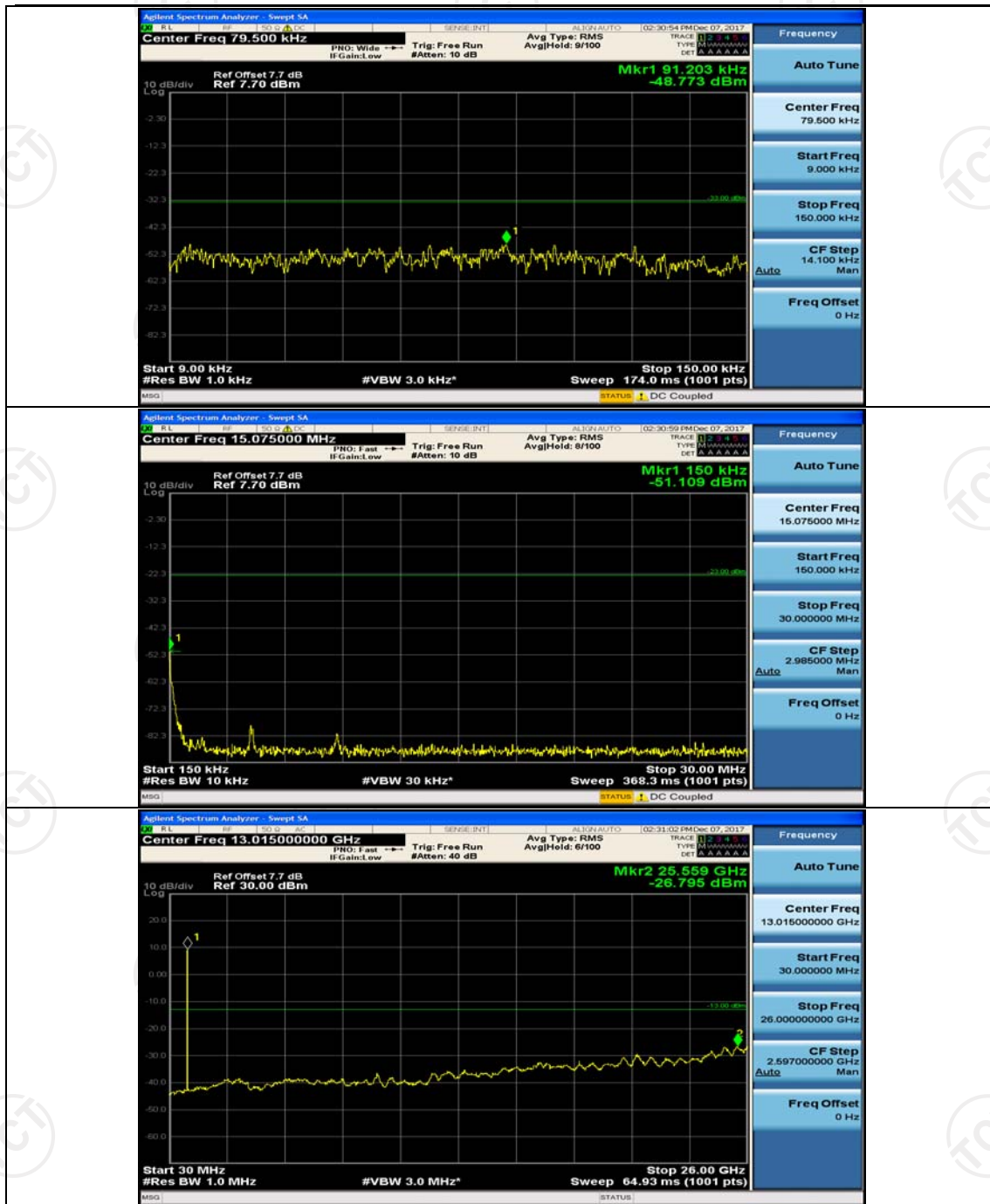












Note: All bandwidth and modulation are tested, only the worst result is reported.

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	-0.001625		± 2.5	PASS
		7.4	TN	-0.001631		± 2.5	PASS
		8.4	TN	-0.001615		± 2.5	PASS
	MCH	7.1	TN	-0.001427		± 2.5	PASS
		7.4	TN	-0.001471		± 2.5	PASS
		8.4	TN	-0.001461		± 2.5	PASS
	HCH	7.1	TN	-0.000514		± 2.5	PASS
		7.4	TN	-0.000573		± 2.5	PASS
		8.4	TN	-0.000584		± 2.5	PASS
16QAM	LCH	7.1	TN	-0.001255		± 2.5	PASS
		7.4	TN	-0.001249		± 2.5	PASS
		8.4	TN	-0.001224		± 2.5	PASS
	MCH	7.1	TN	-0.000525		± 2.5	PASS
		7.4	TN	-0.000530		± 2.5	PASS
		8.4	TN	-0.000564		± 2.5	PASS
	HCH	7.1	TN	-0.001992		± 2.5	PASS
		7.4	TN	-0.001973		± 2.5	PASS
		8.4	TN	-0.001914		± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	0	-0.002155		± 2.5	PASS
		VN	10	-0.001721		± 2.5	PASS
		VN	20	-0.002515		± 2.5	PASS
		VN	30	-0.001769		± 2.5	PASS
		VN	40	-0.002134		± 2.5	PASS
		VN	45	-0.001717		± 2.5	PASS
	MCH	VN	0	-0.001130		± 2.5	PASS
		VN	10	-0.000521		± 2.5	PASS
		VN	20	-0.001471		± 2.5	PASS
		VN	30	-0.000581		± 2.5	PASS
		VN	40	-0.001710		± 2.5	PASS
		VN	45	-0.001129		± 2.5	PASS
	HCH	VN	0	-0.000634		± 2.5	PASS
		VN	10	-0.000112		± 2.5	PASS
		VN	20	-0.000506		± 2.5	PASS
		VN	30	-0.000337		± 2.5	PASS

16QAM		VN	40	-0.000590	± 2.5	PASS
		VN	45	-0.000051	± 2.5	PASS
	LCH	VN	0	-0.002134	± 2.5	PASS
		VN	10	-0.002455	± 2.5	PASS
		VN	20	-0.001977	± 2.5	PASS
		VN	30	-0.002394	± 2.5	PASS
		VN	40	-0.002671	± 2.5	PASS
		VN	45	-0.002134	± 2.5	PASS
		VN	0	-0.000821	± 2.5	PASS
		VN	10	-0.001851	± 2.5	PASS
	MCH	VN	20	-0.000513	± 2.5	PASS
		VN	30	-0.001573	± 2.5	PASS
		VN	40	-0.001505	± 2.5	PASS
		VN	45	-0.000428	± 2.5	PASS
	HCH	VN	0	-0.002260	± 2.5	PASS
		VN	10	-0.002658	± 2.5	PASS
		VN	20	-0.001180	± 2.5	PASS
		VN	30	-0.002260	± 2.5	PASS
		VN	40	-0.001147	± 2.5	PASS
		VN	45	-0.002260	± 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)		
1649.4	Vertical	-44.48	-13.00	PASS
2474.1	V	-43.94		
-	V	-		
1649.4	Horizontal	-44.69		
2474.1	H	-42.19		
-	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)		
1673	Vertical	-42.74	-13.00	PASS
2509.5	V	-43.95		
-	V	-		
1673	Horizontal	-46.42		
2509.5	H	-45.98		
-	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)		
1692.6	Vertical	-45.26	-13.00	PASS
2538.9	V	-45.47		
-	V	-		
1692.6	Horizontal	-43.74		
2538.9	H	-43.95		
-	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)		
1649.4	Vertical	-43.94	-13.00	PASS
2474.1	V	-45.97		
-	V	-		
1649.4	Horizontal	-44.36		
2474.1	H	-44.98		
-	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)		
1673	Vertical	-42.94	-13.00	PASS
2509.5	V	-45.47		
-	V	-		
1673	Horizontal	-43.94		
2509.5	H	-44.74		
-	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)		
1692.6	Vertical	-42.96	-13.00	PASS
2538.9	V	-42.17		
-	V	-		
1692.6	Horizontal	-41.51		
2538.9	H	-43.24		
-	H	-		

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