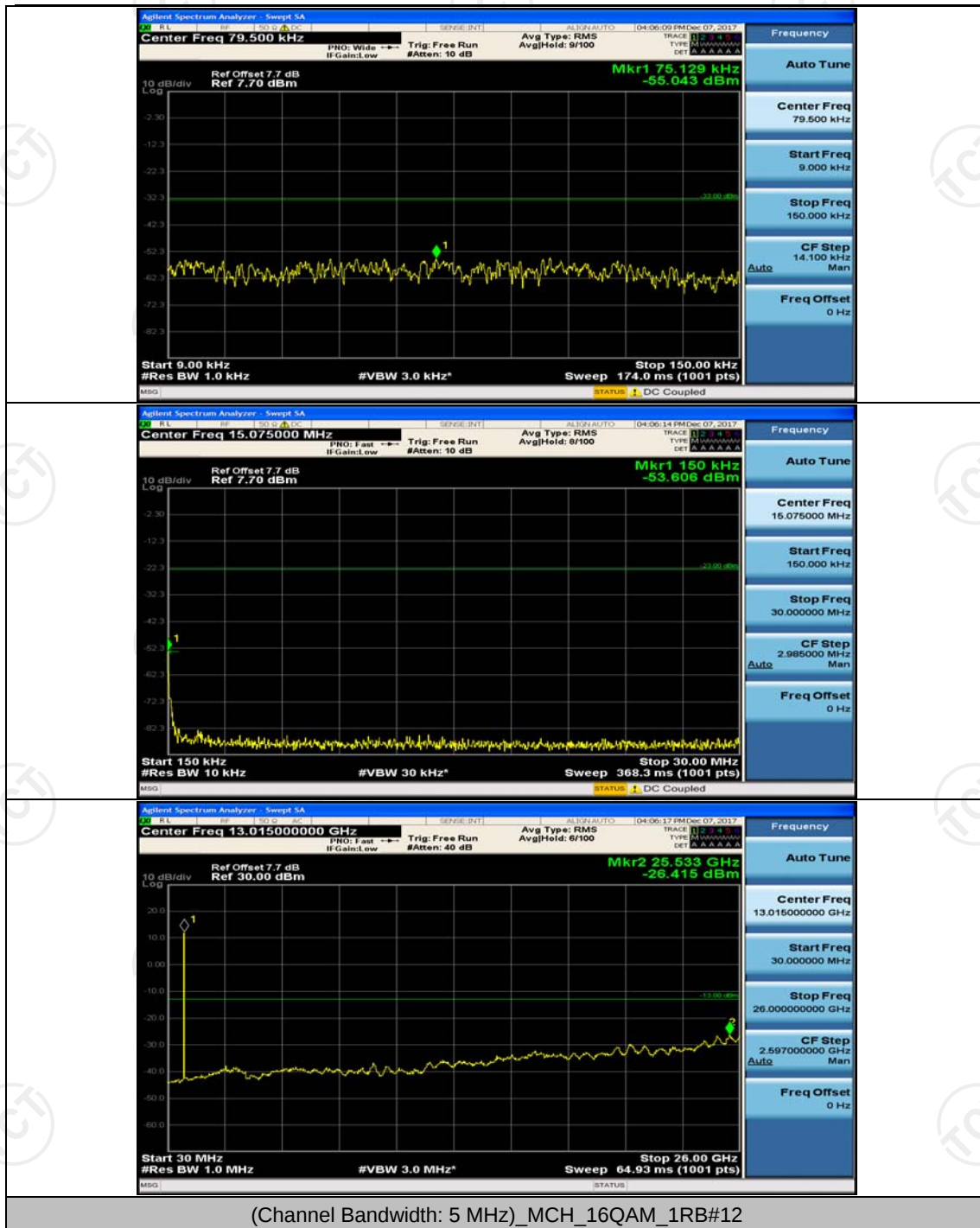
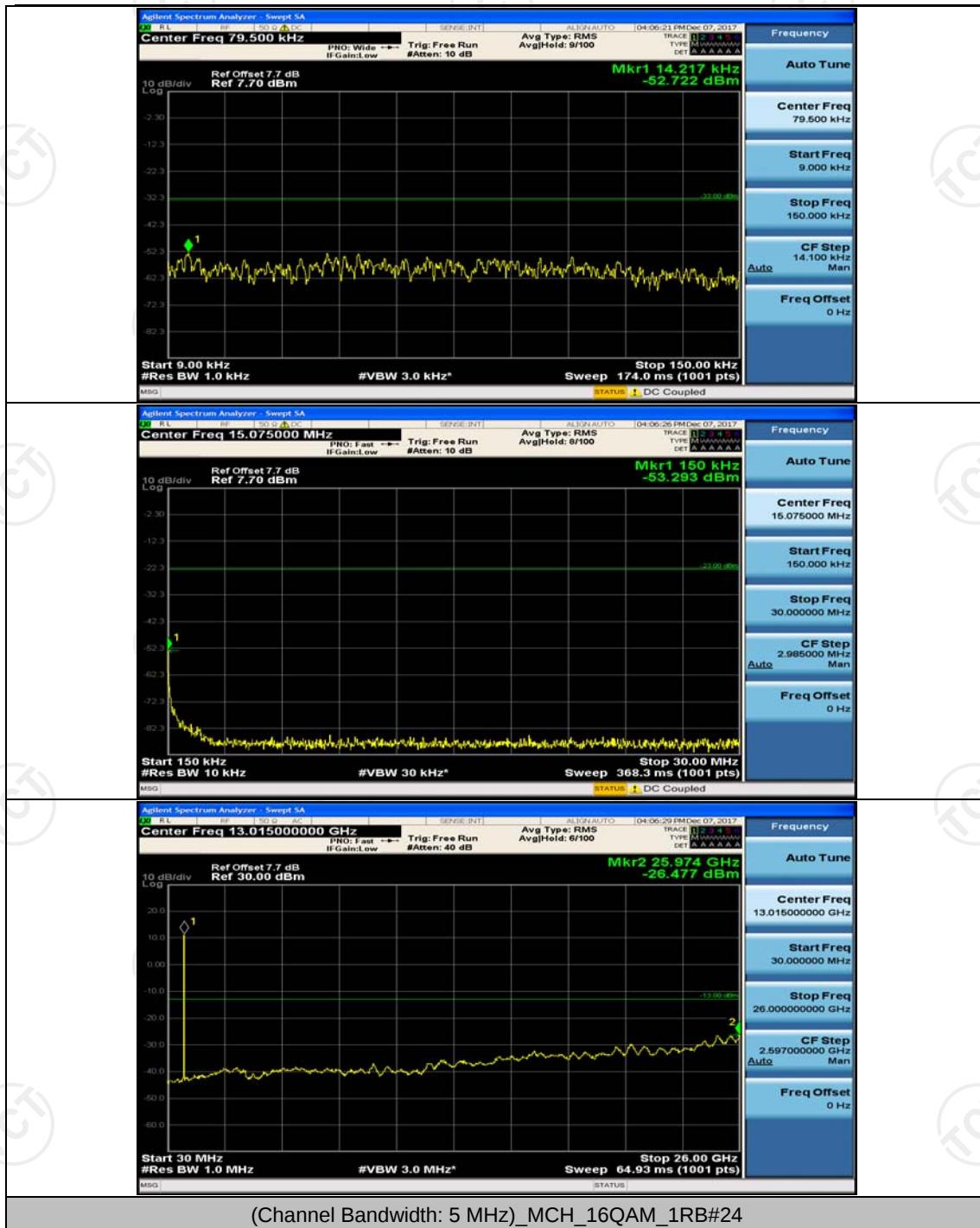
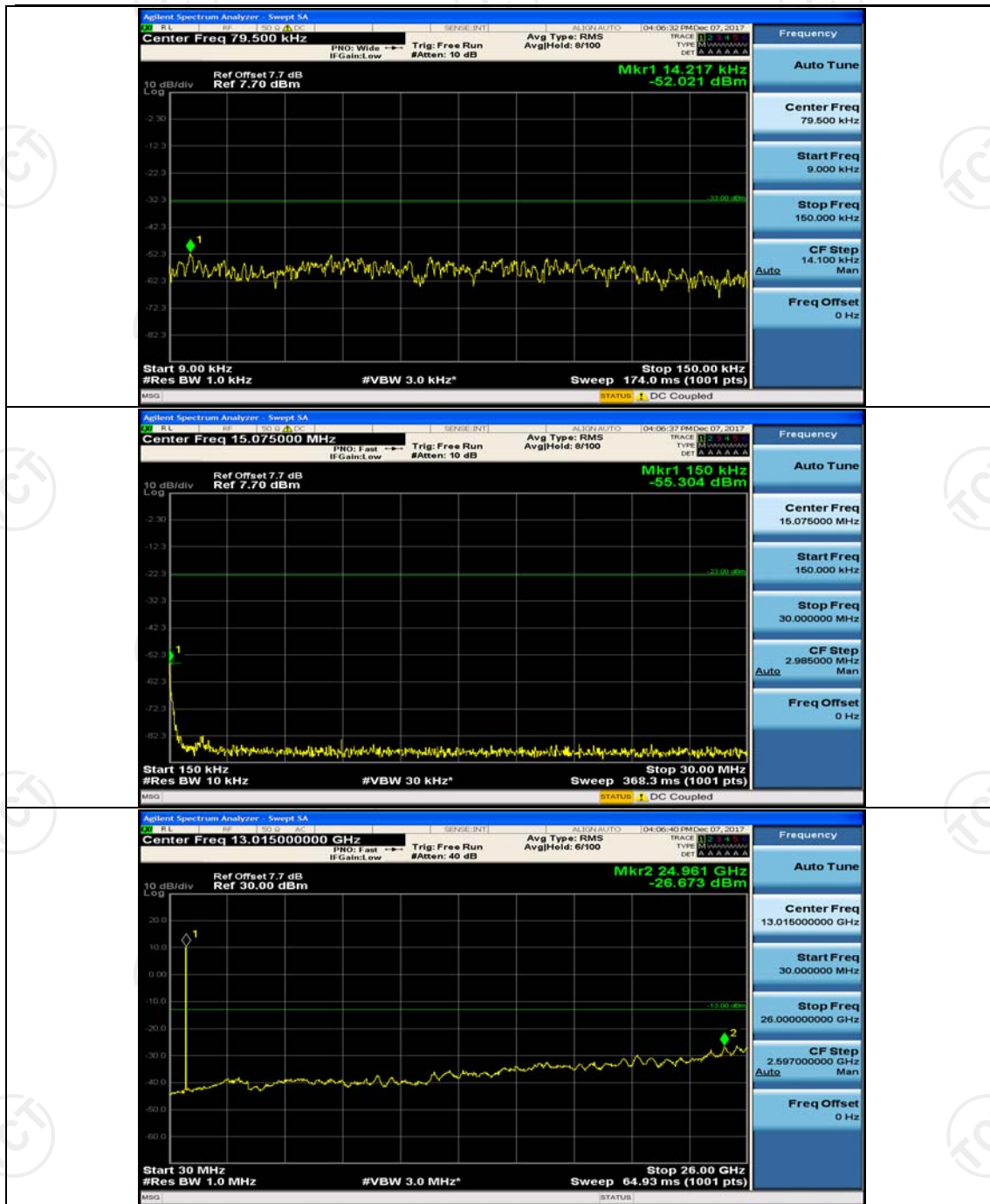
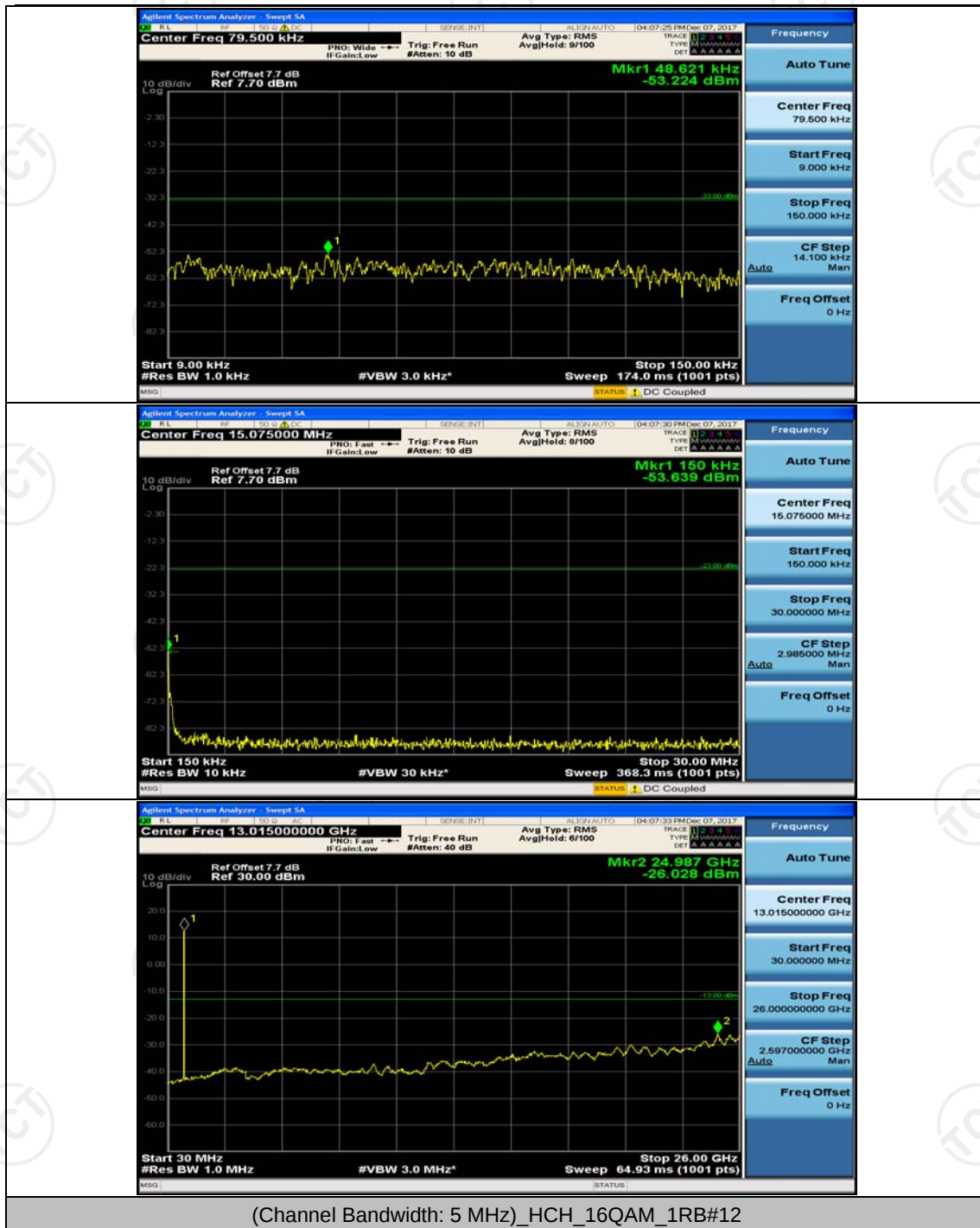
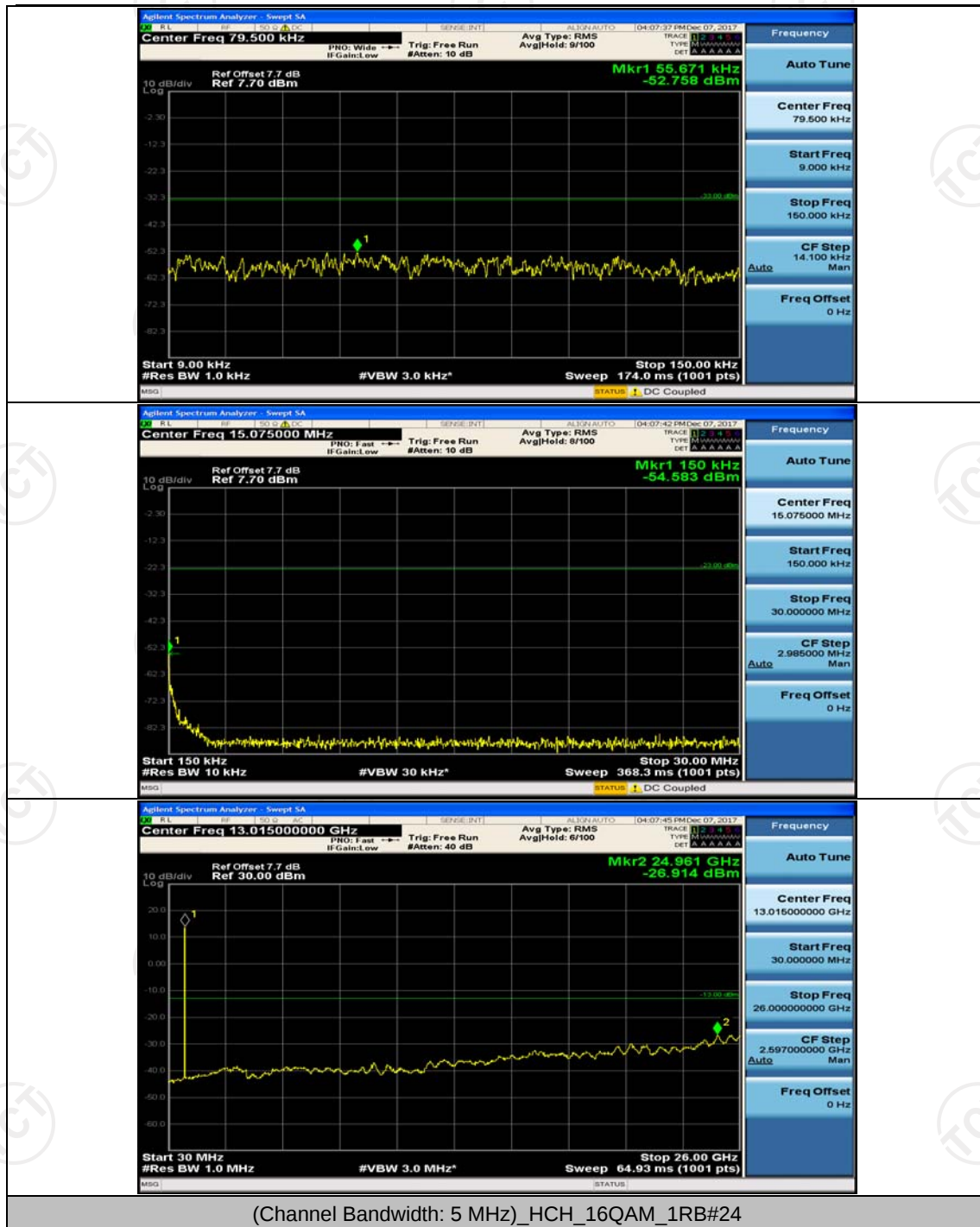


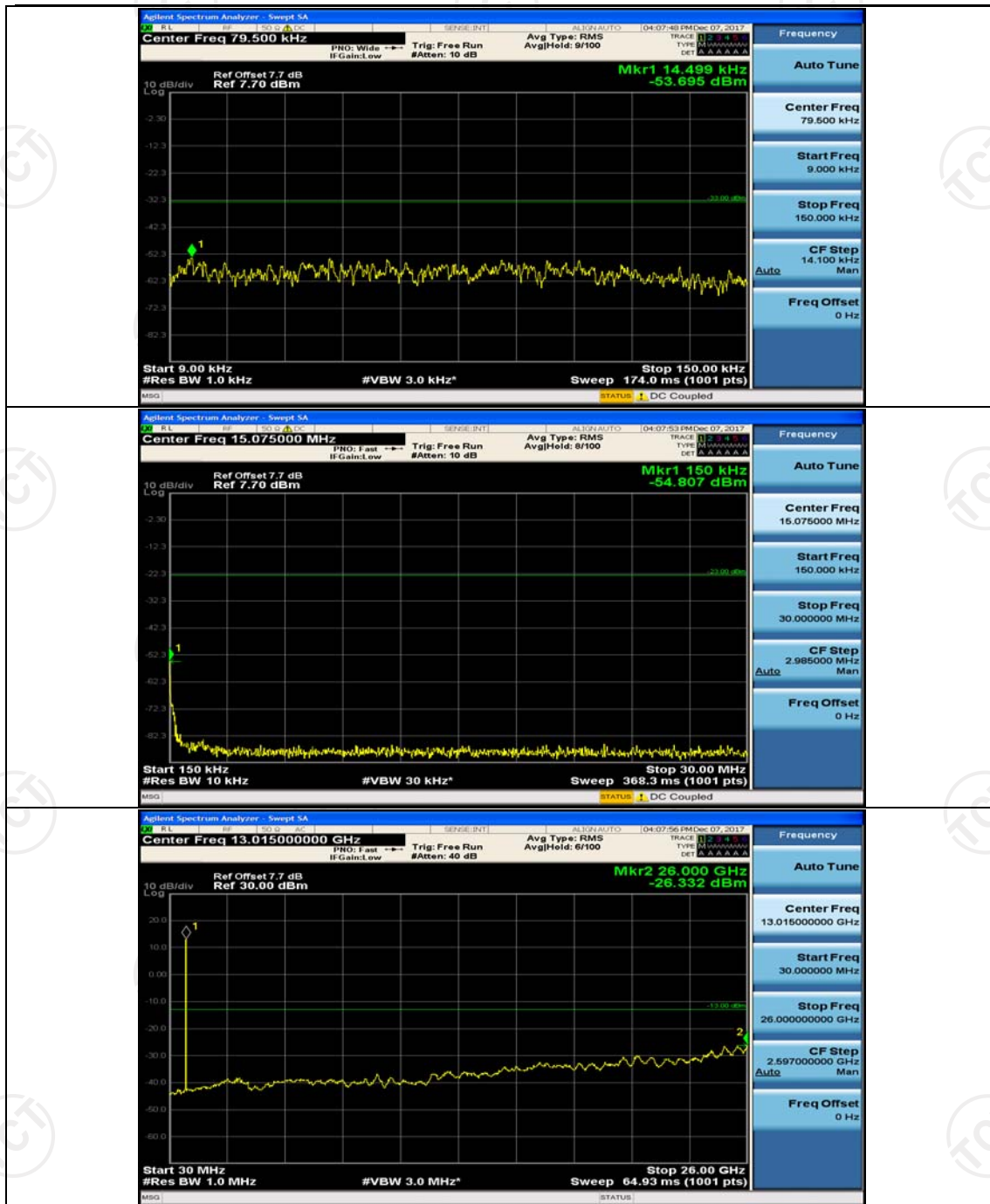




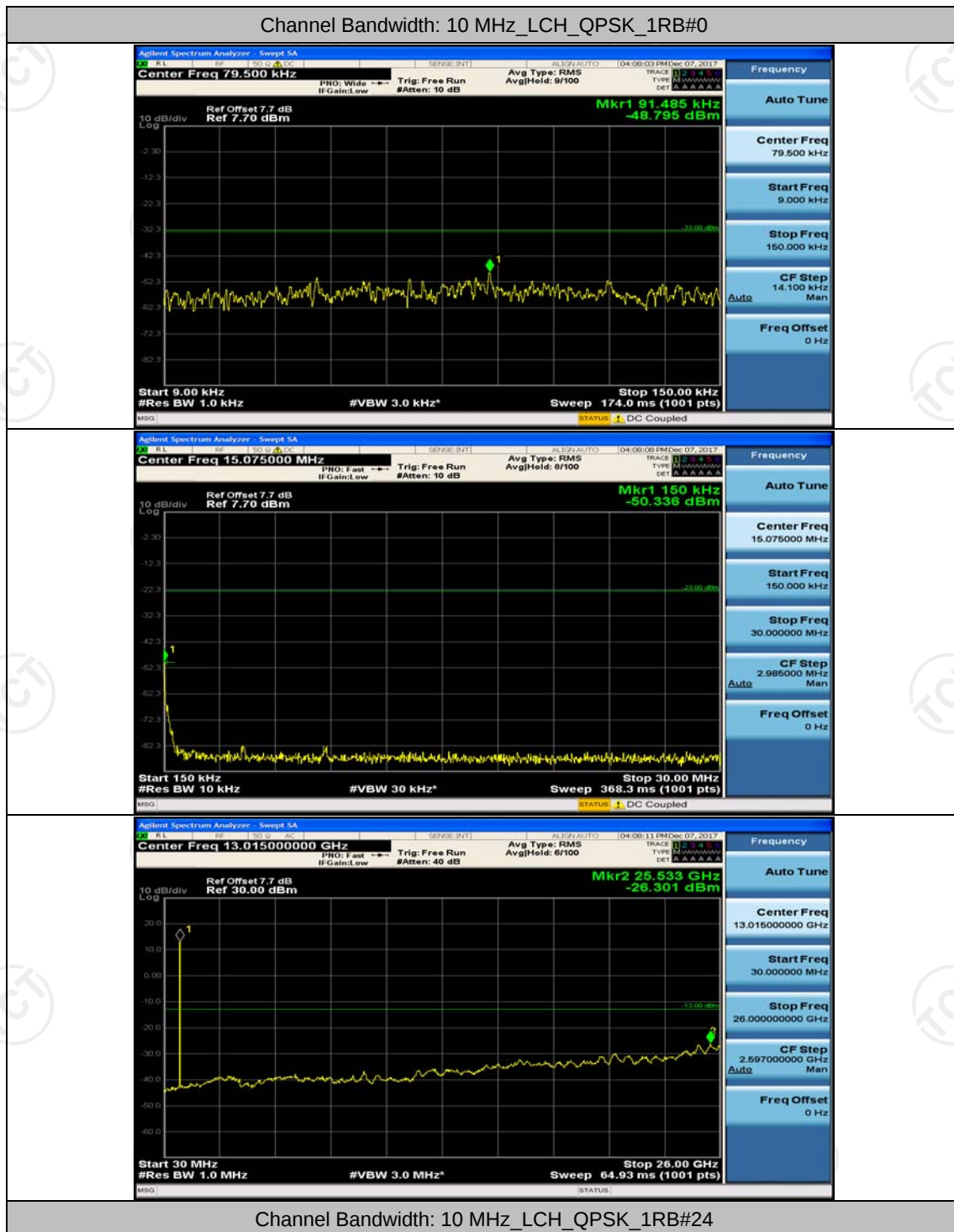


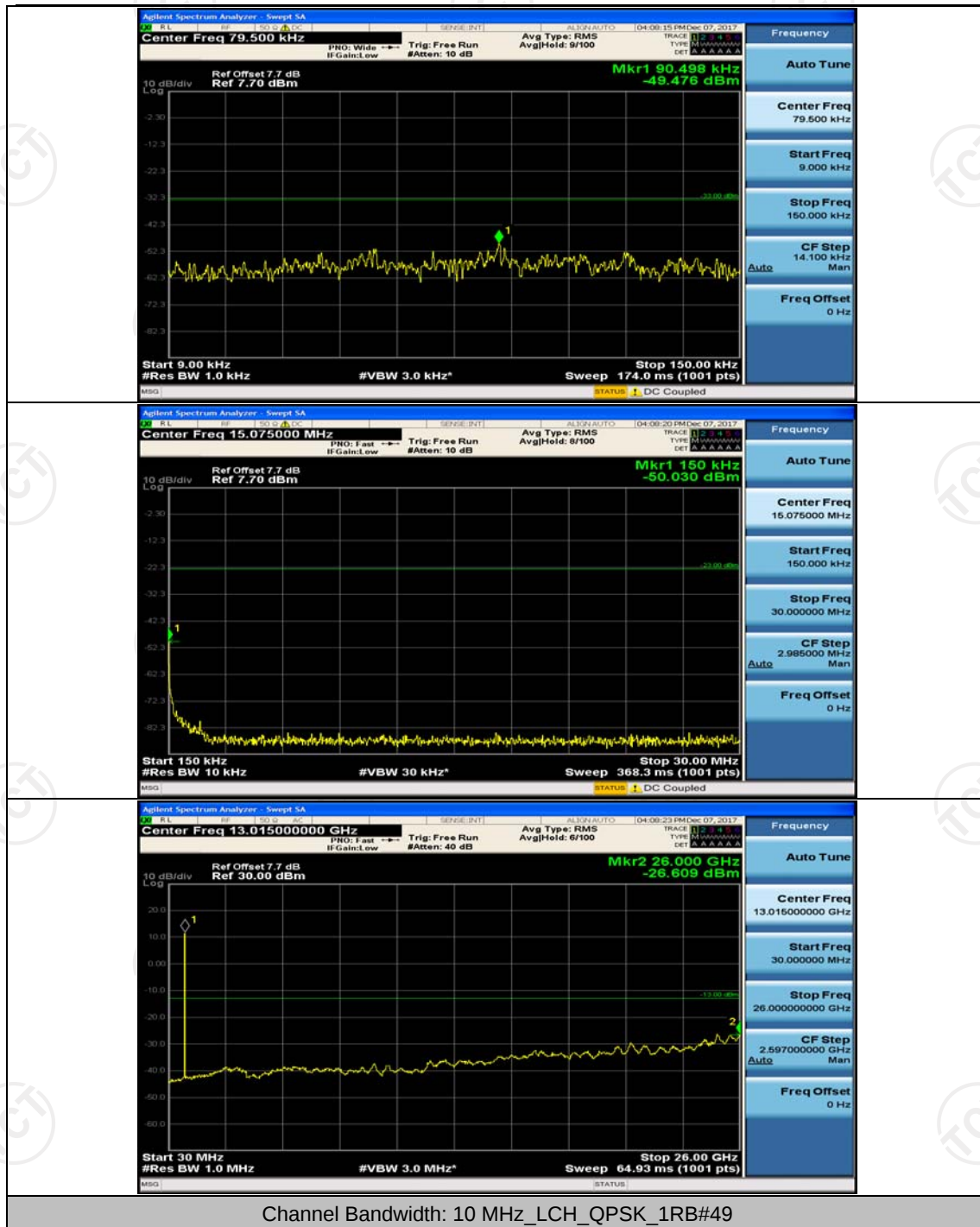


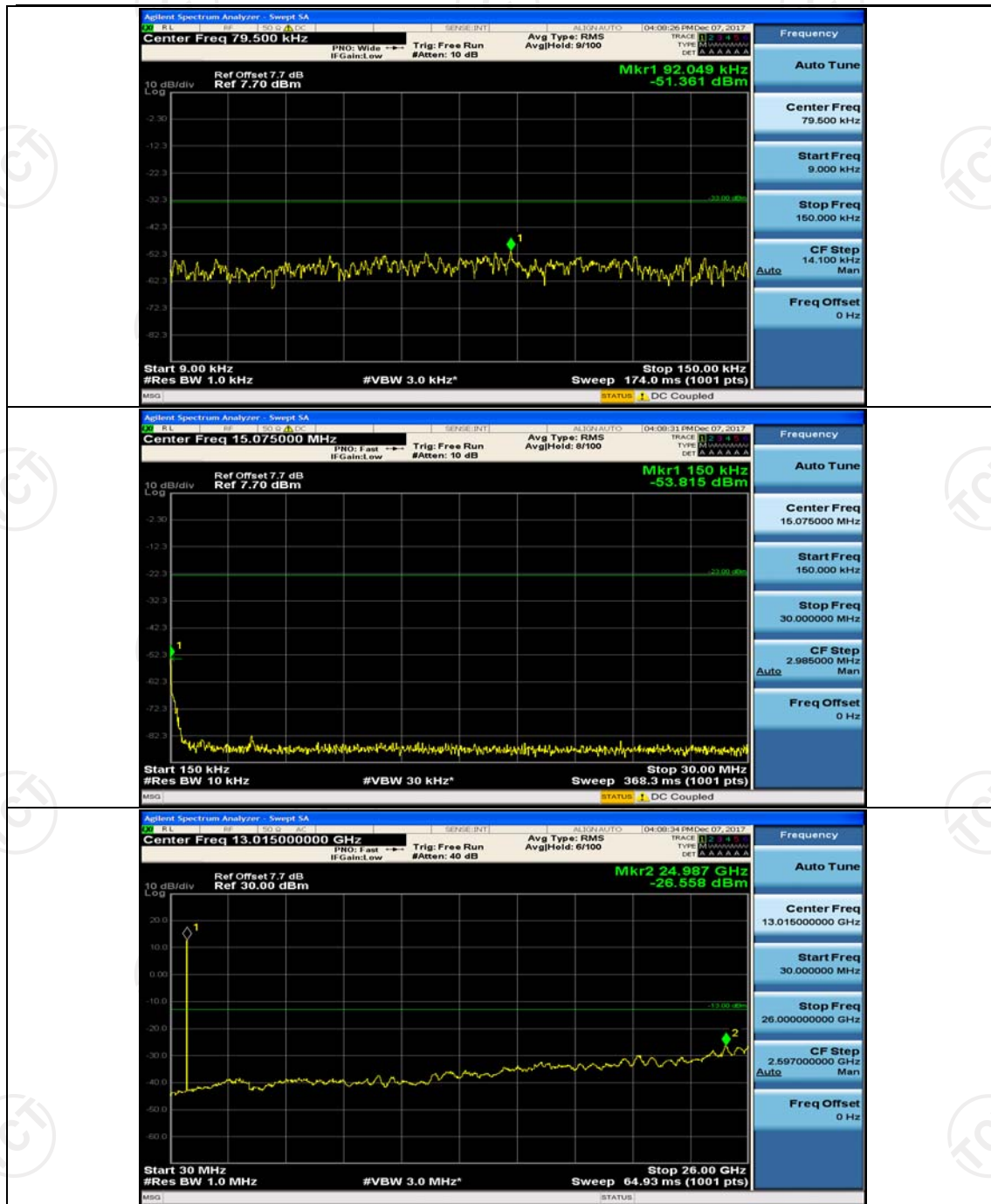




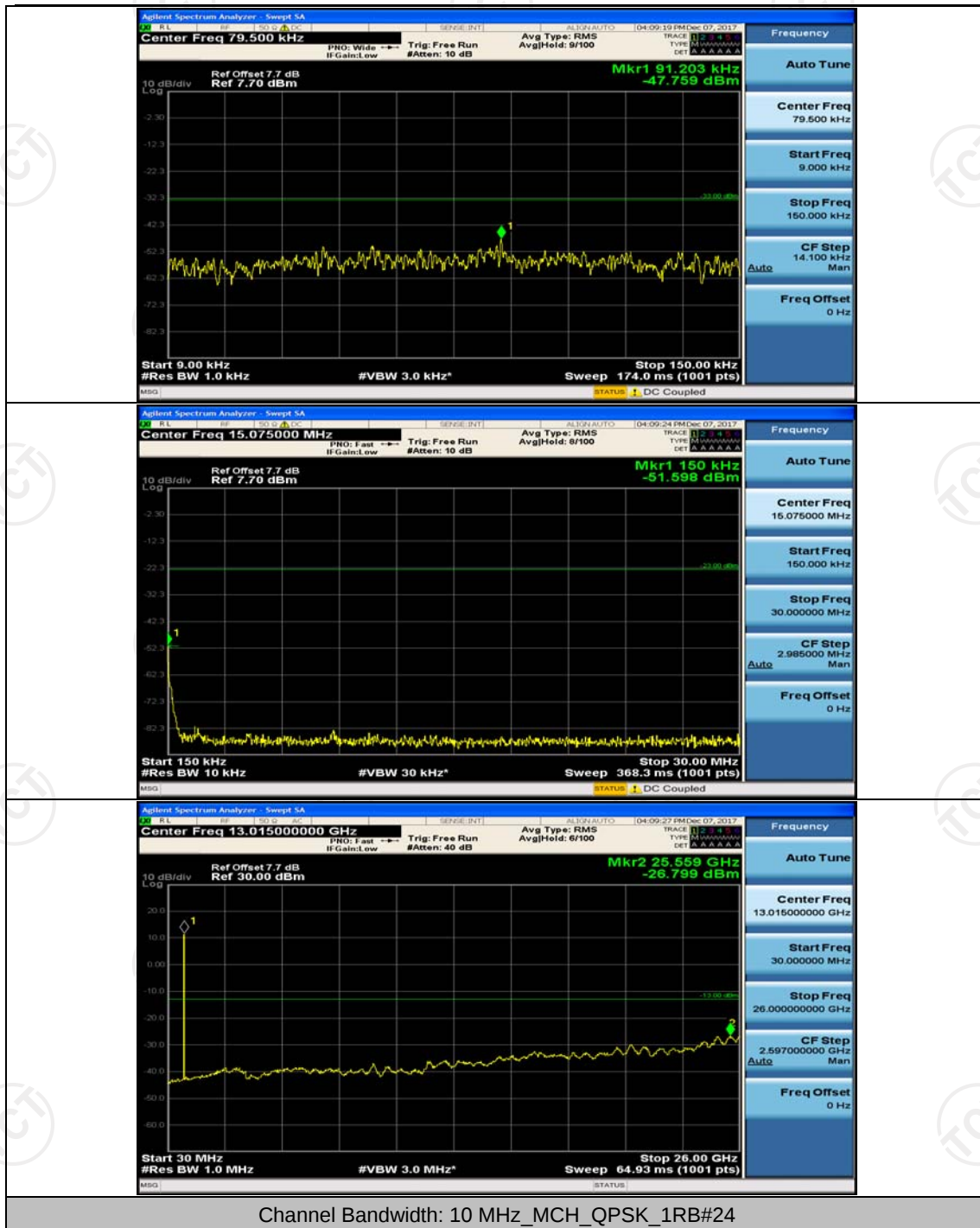
Channel Bandwidth: 10 MHz

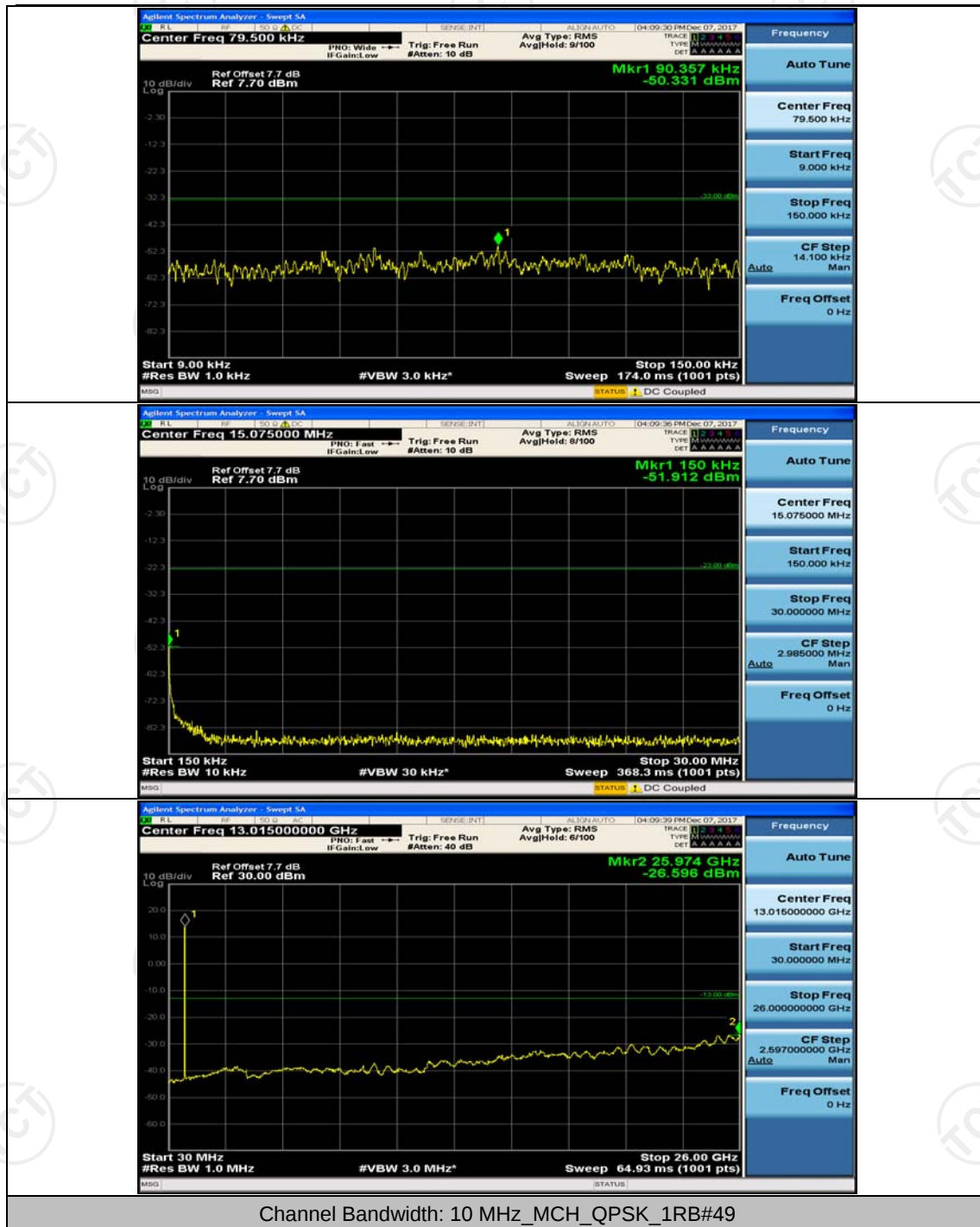


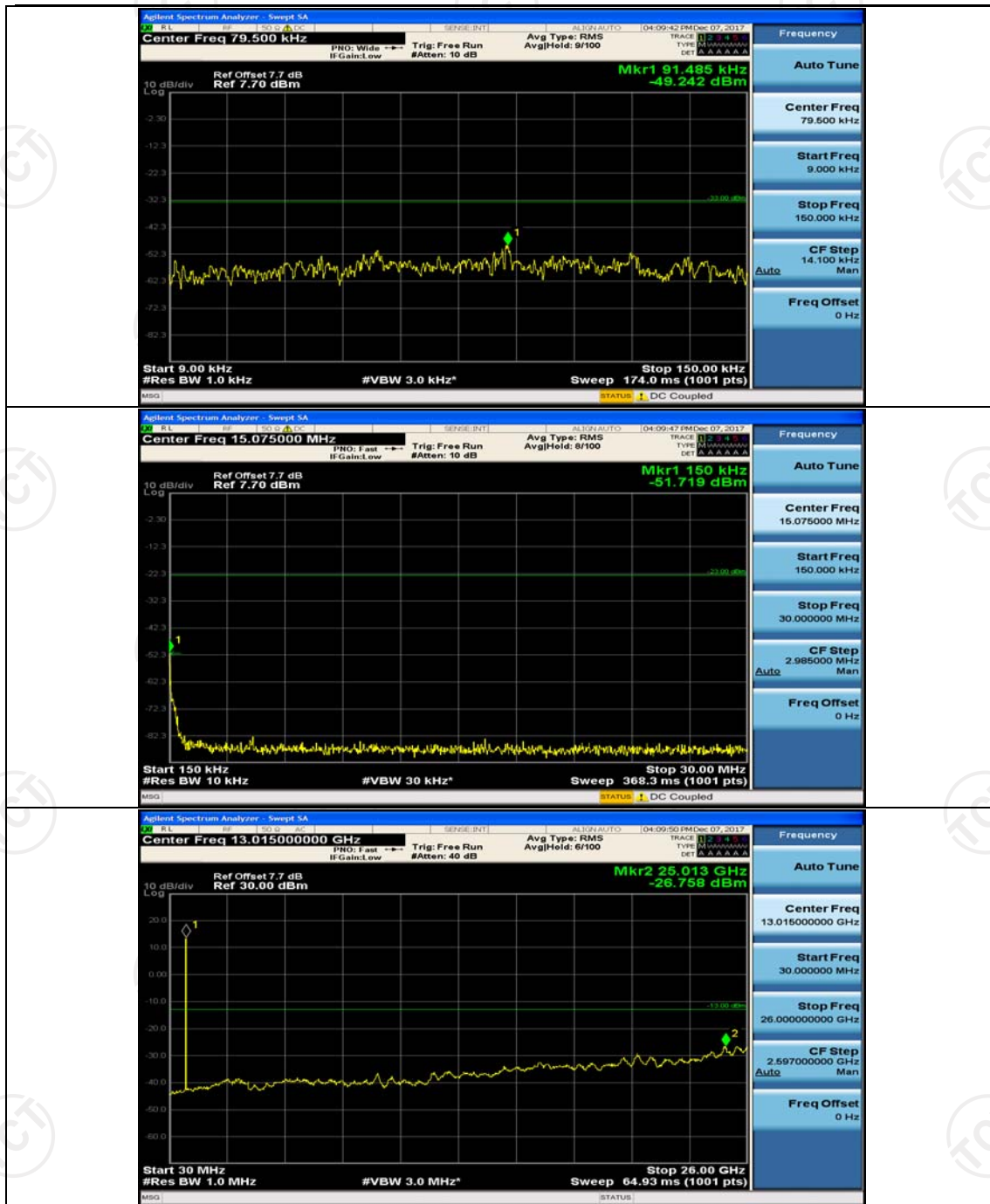




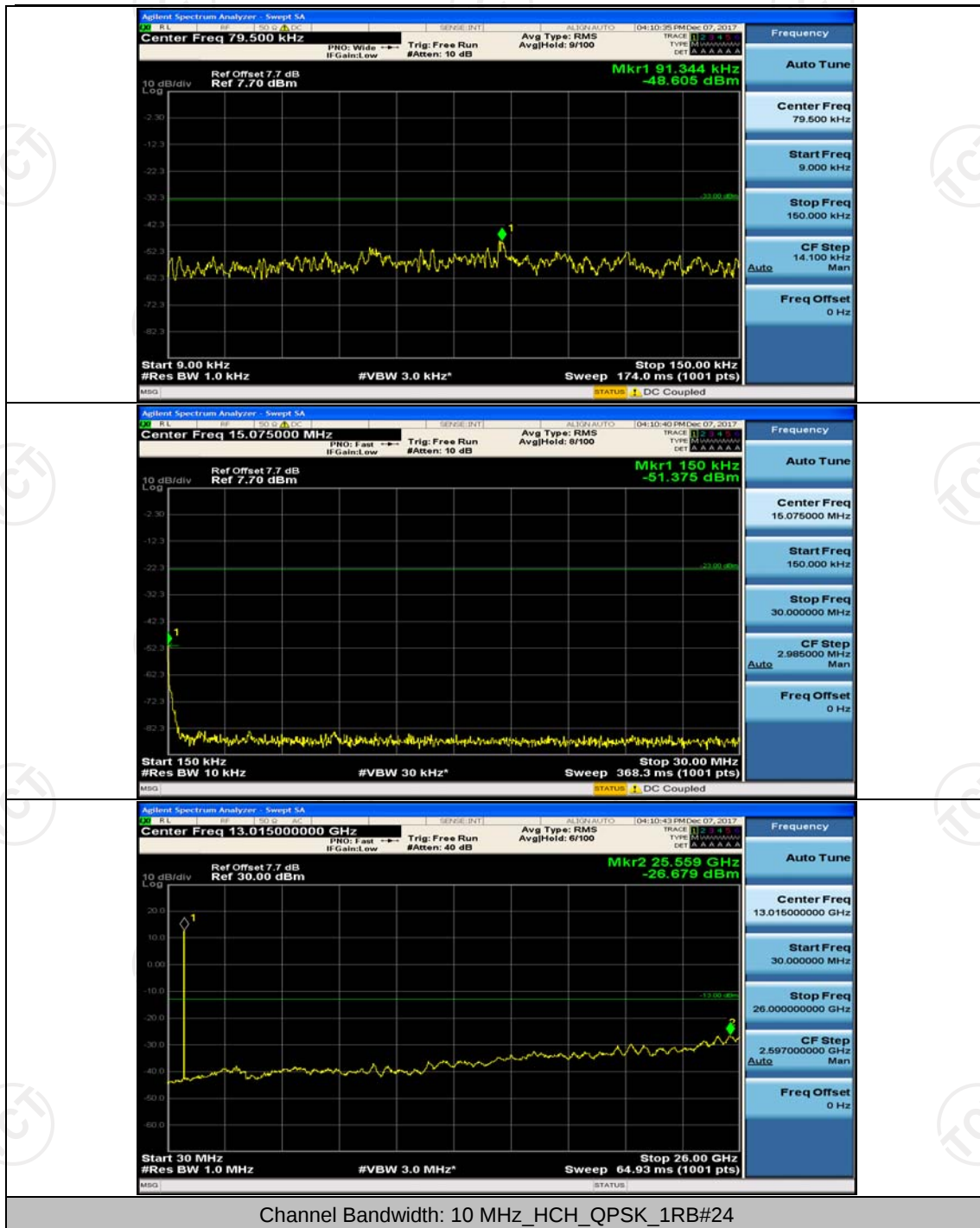
Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

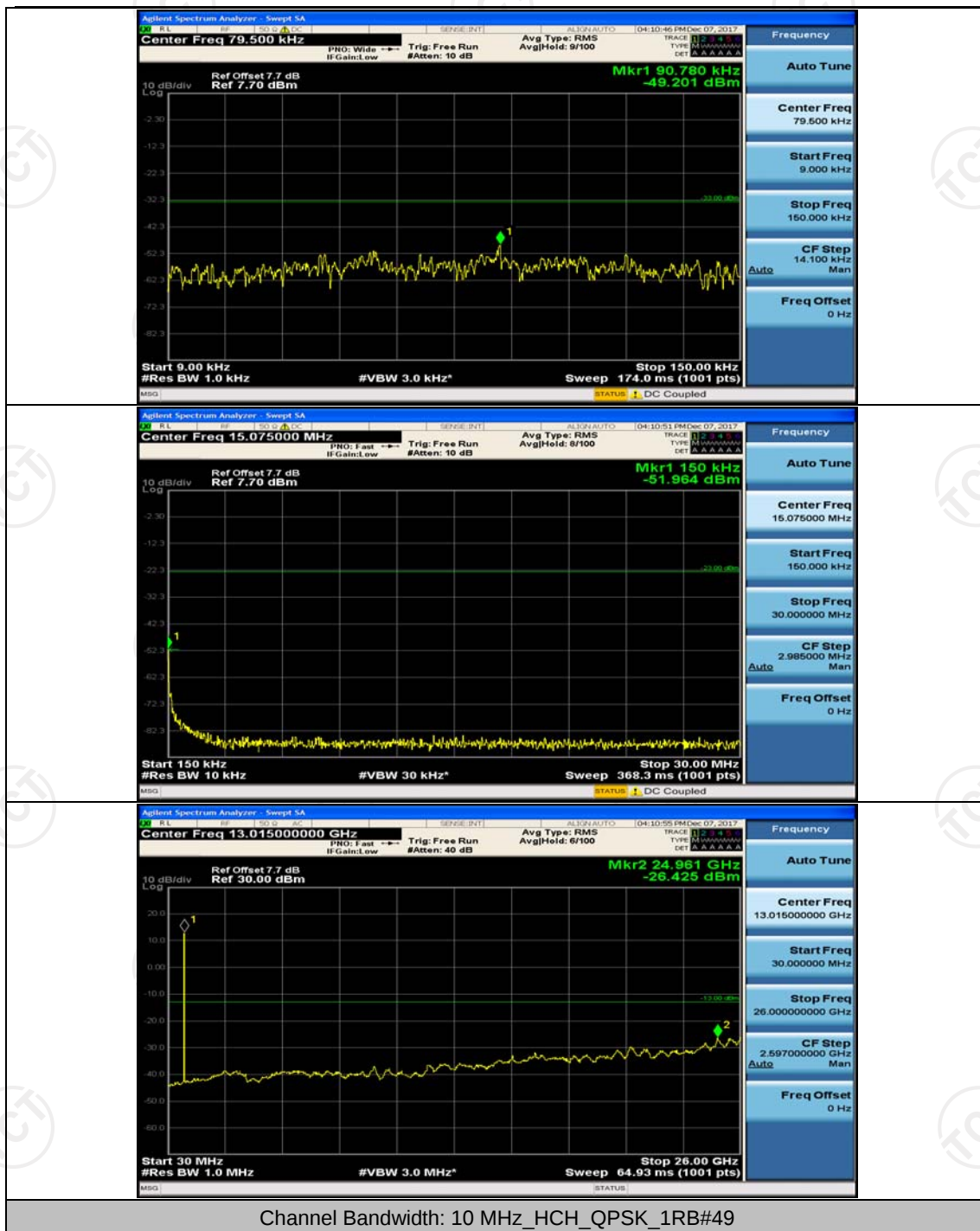


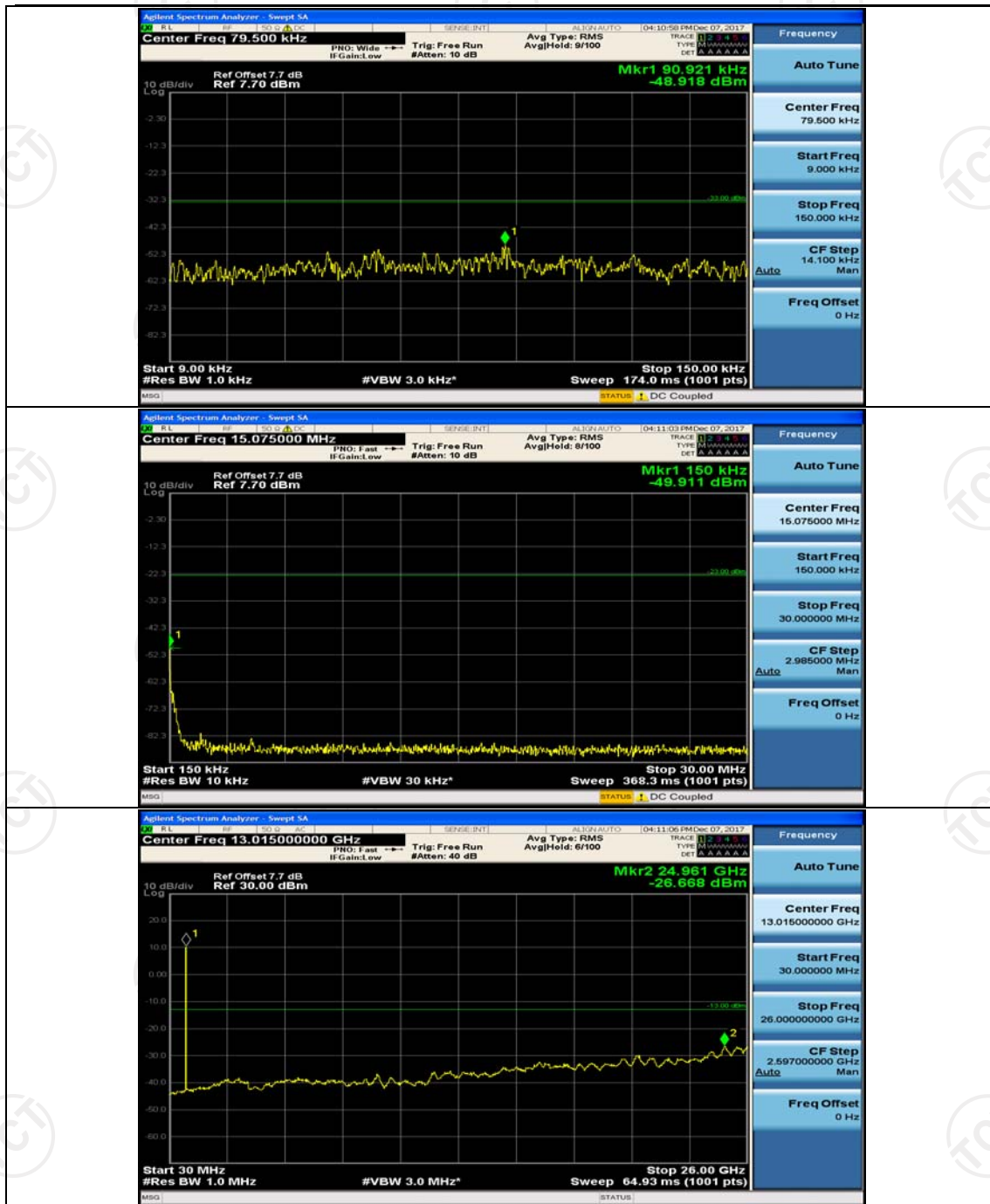




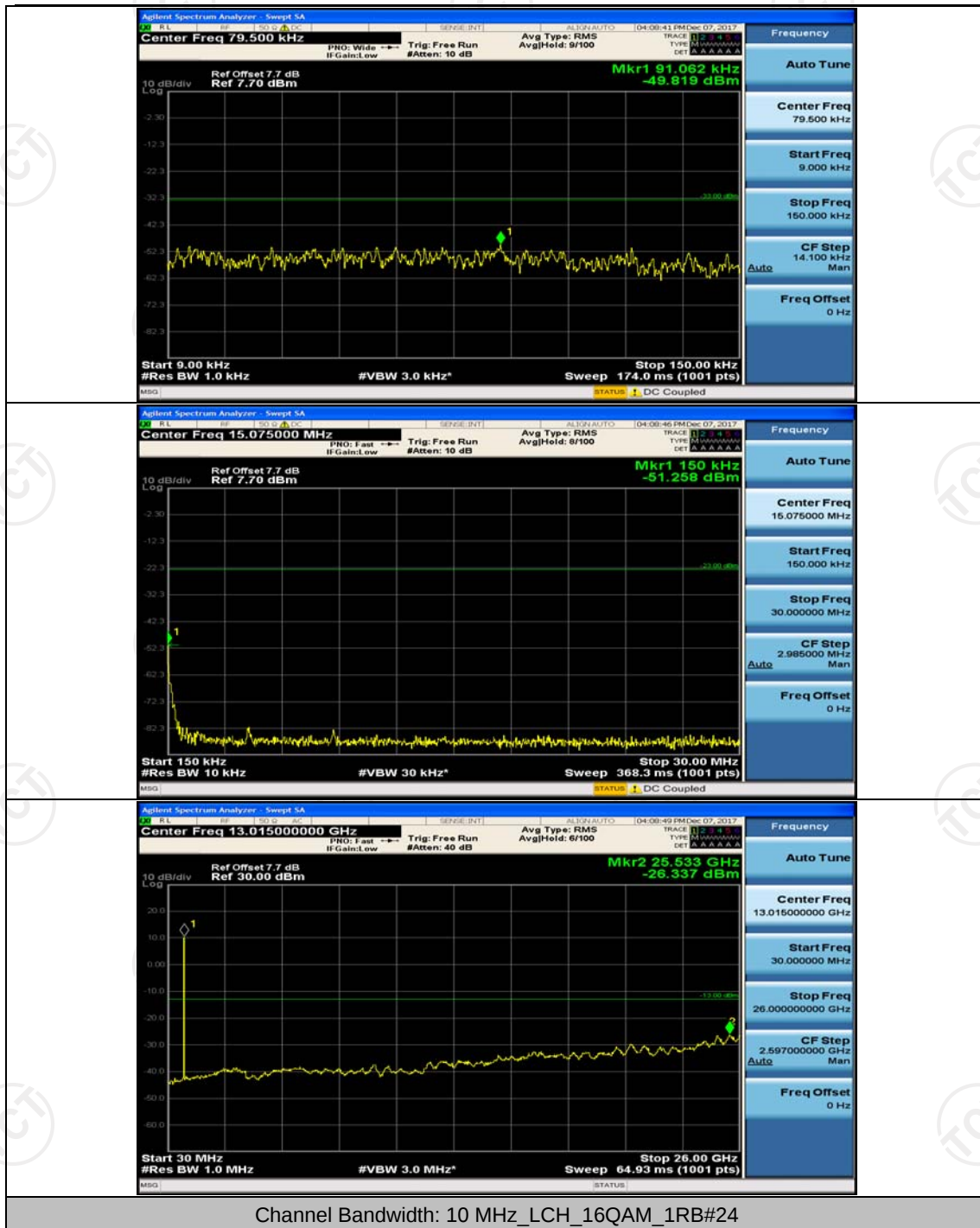
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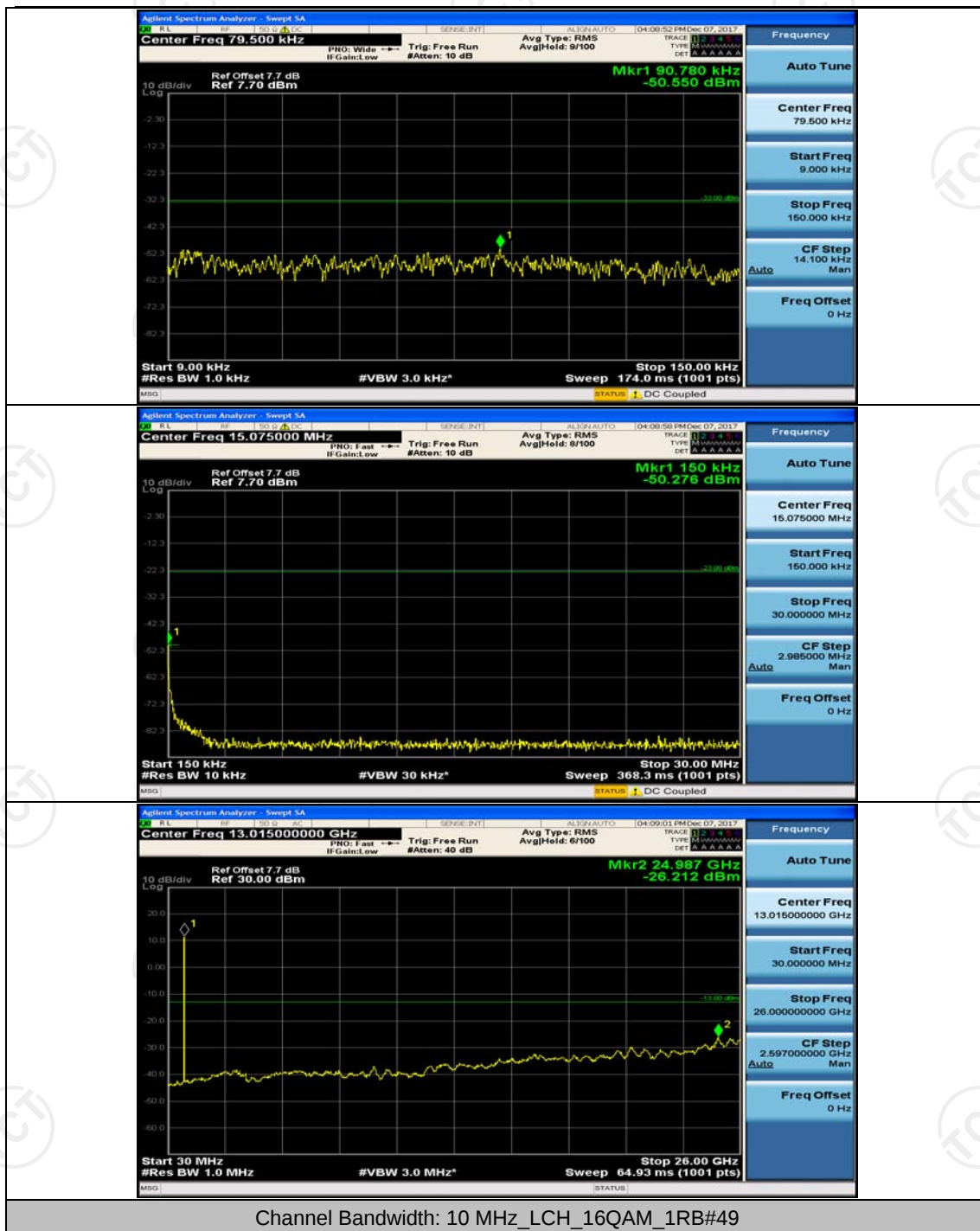


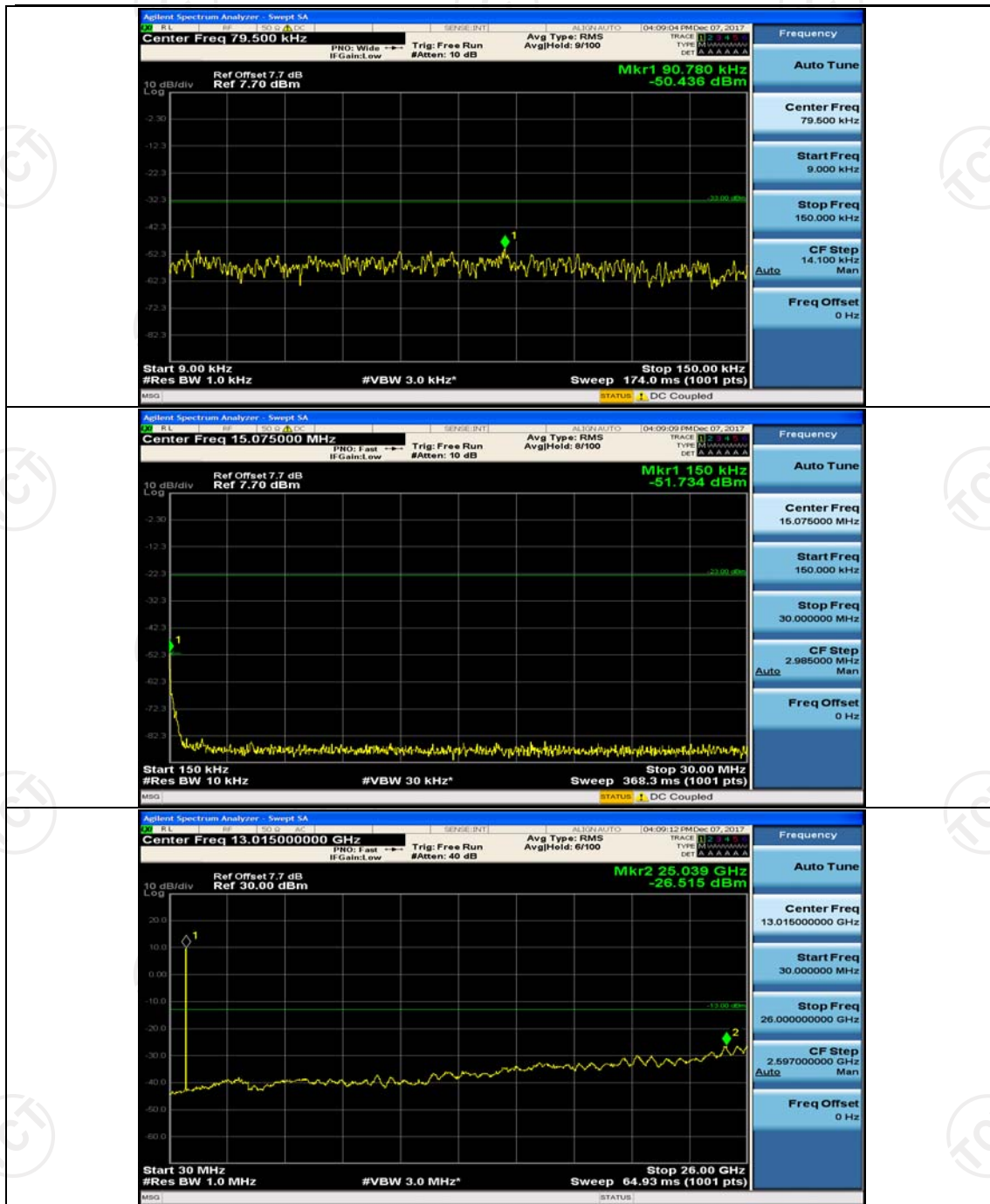




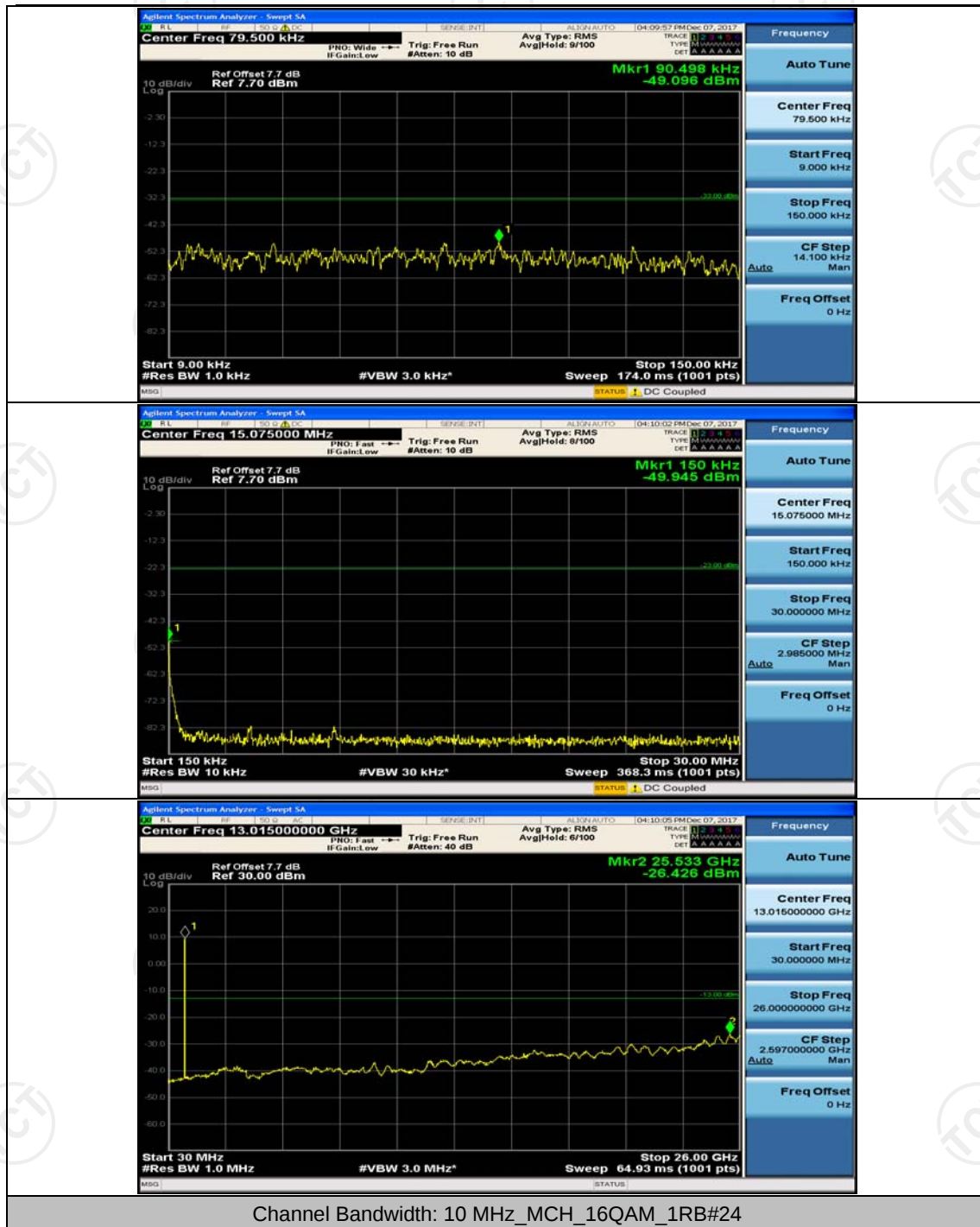
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

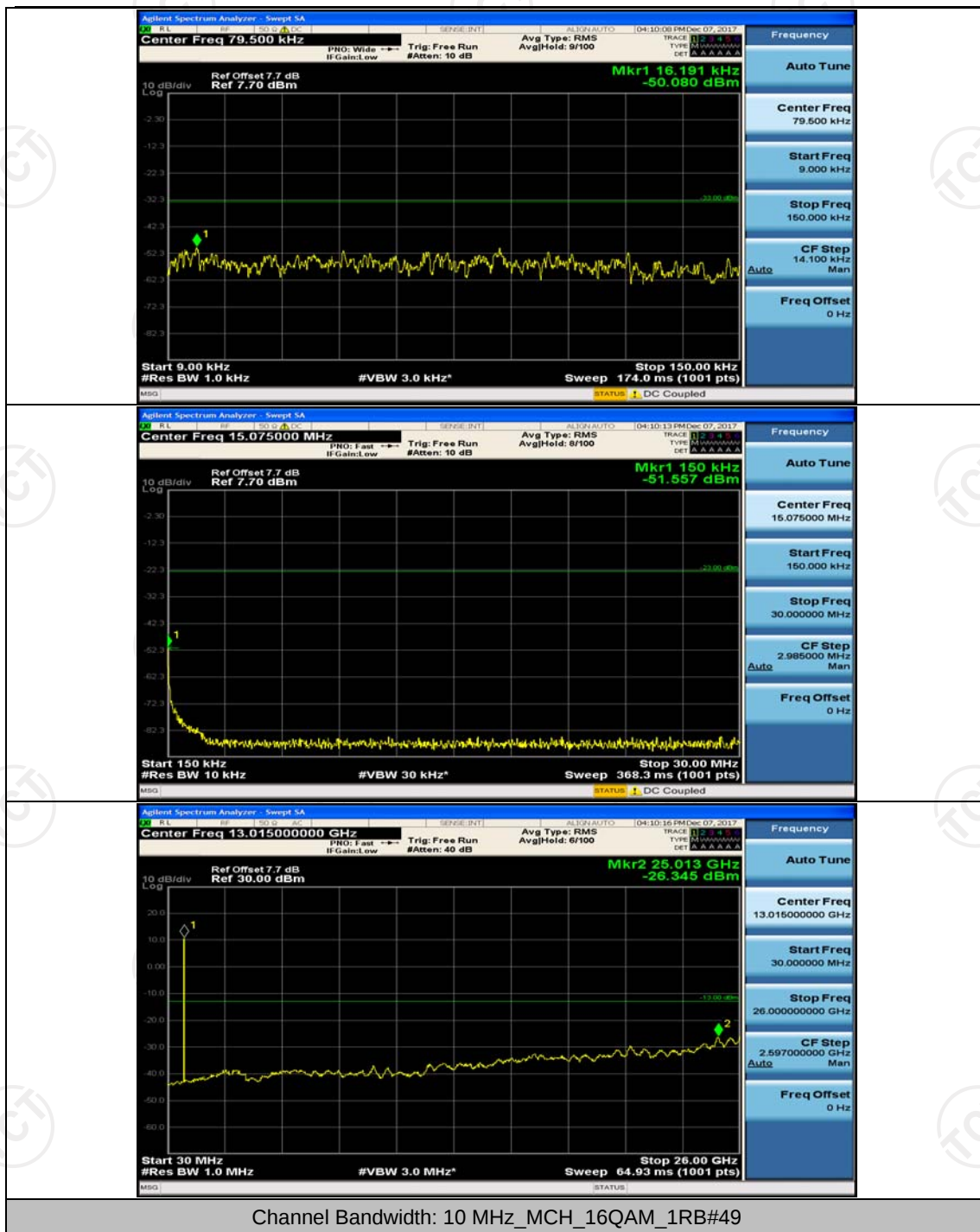


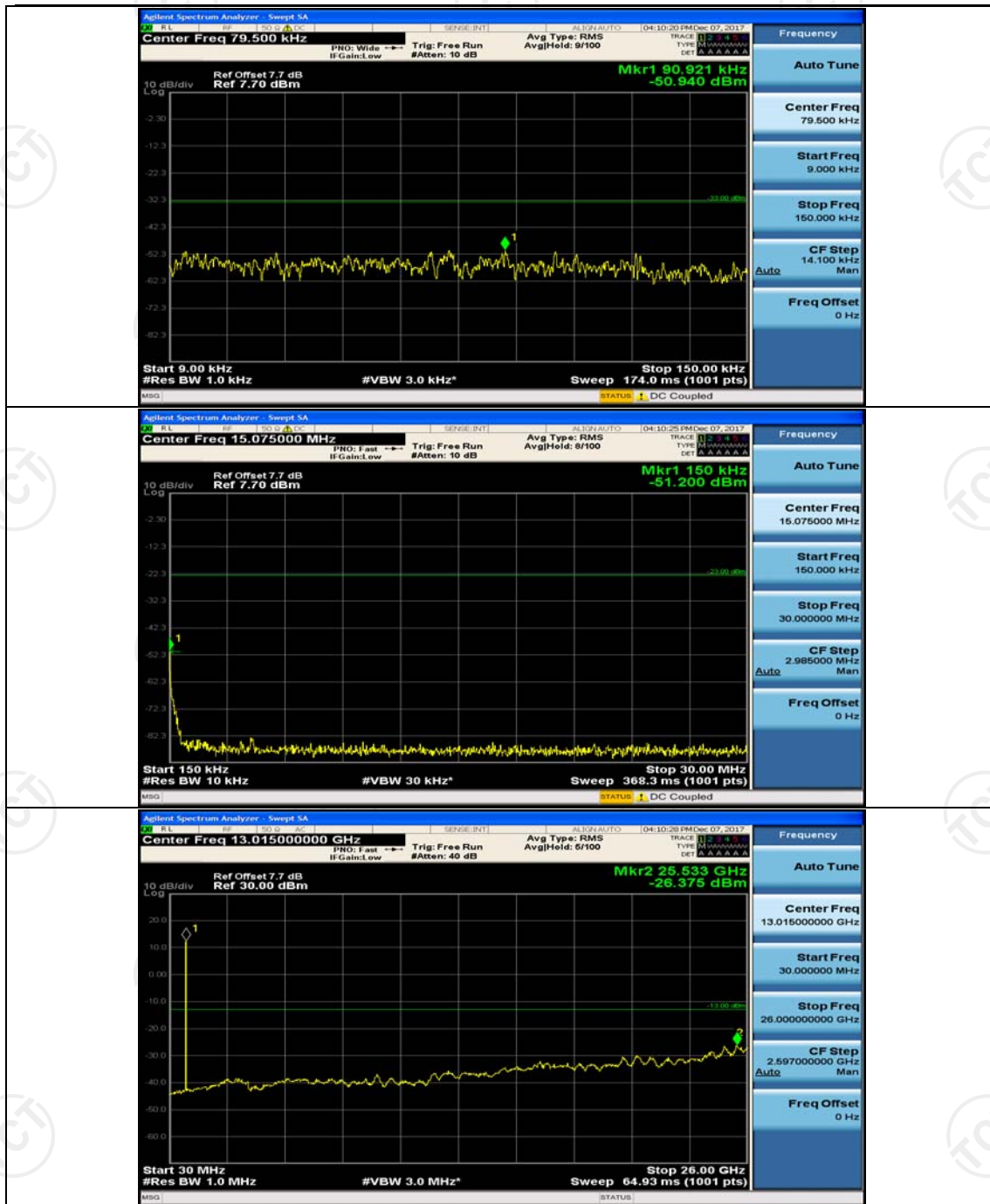




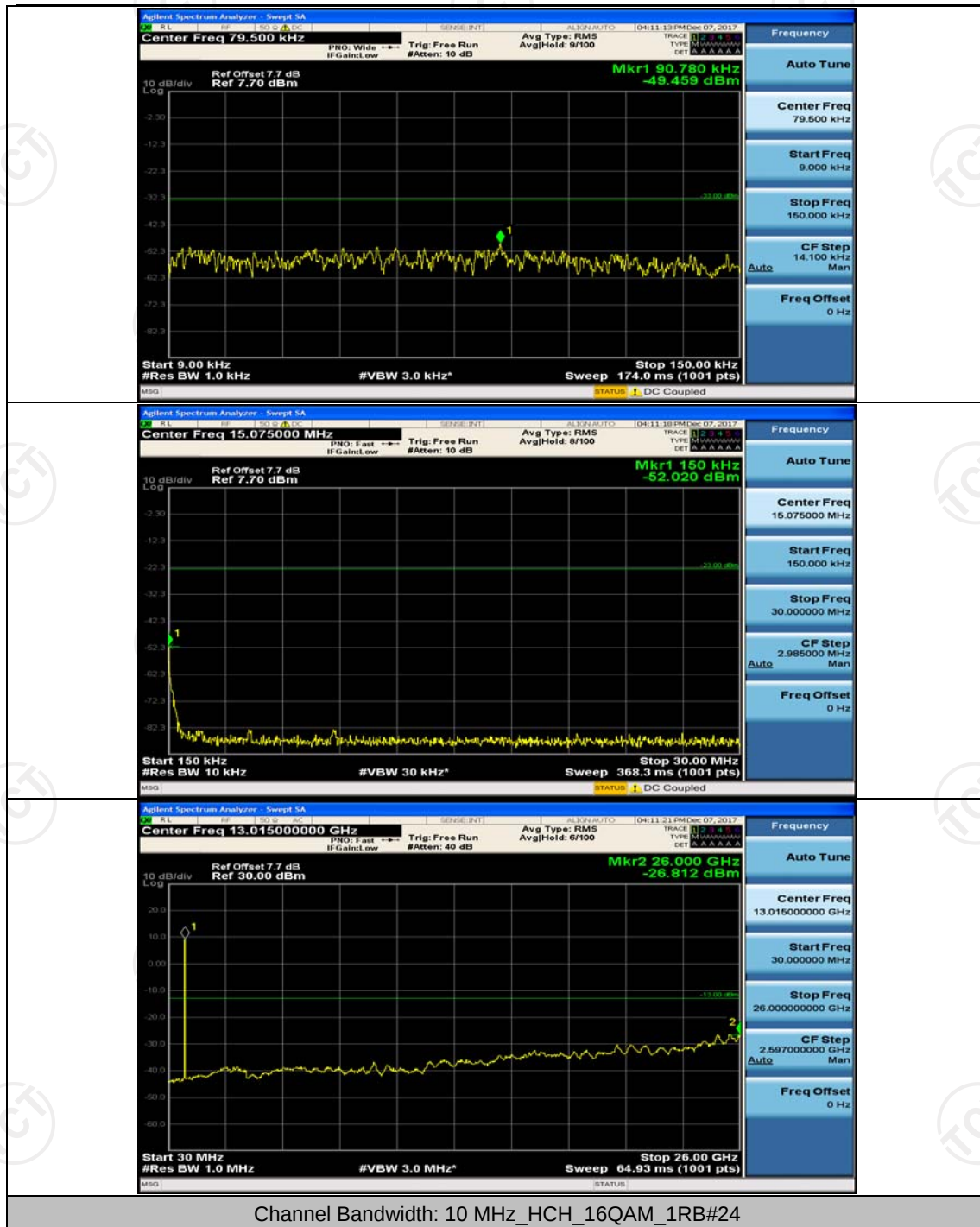
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

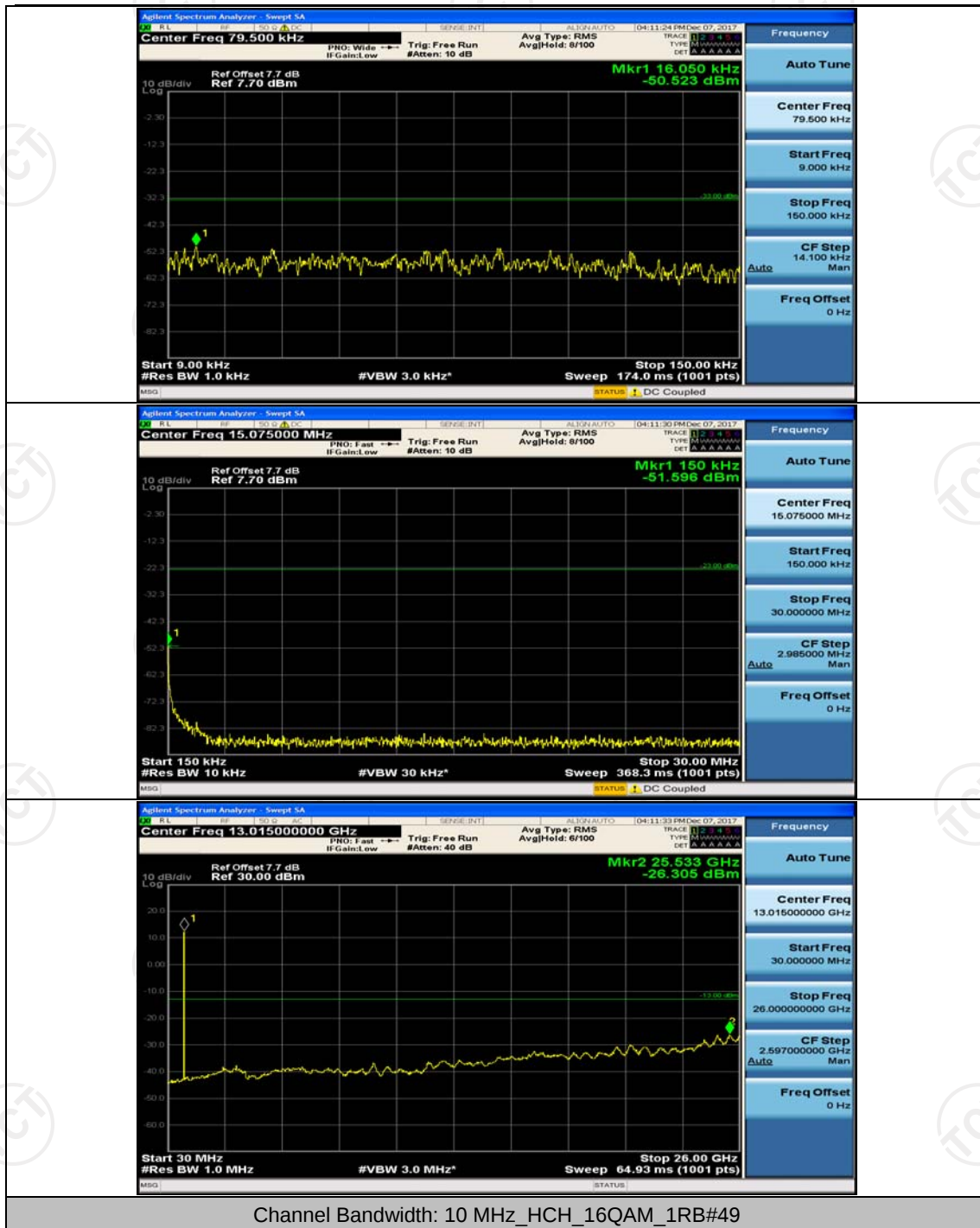


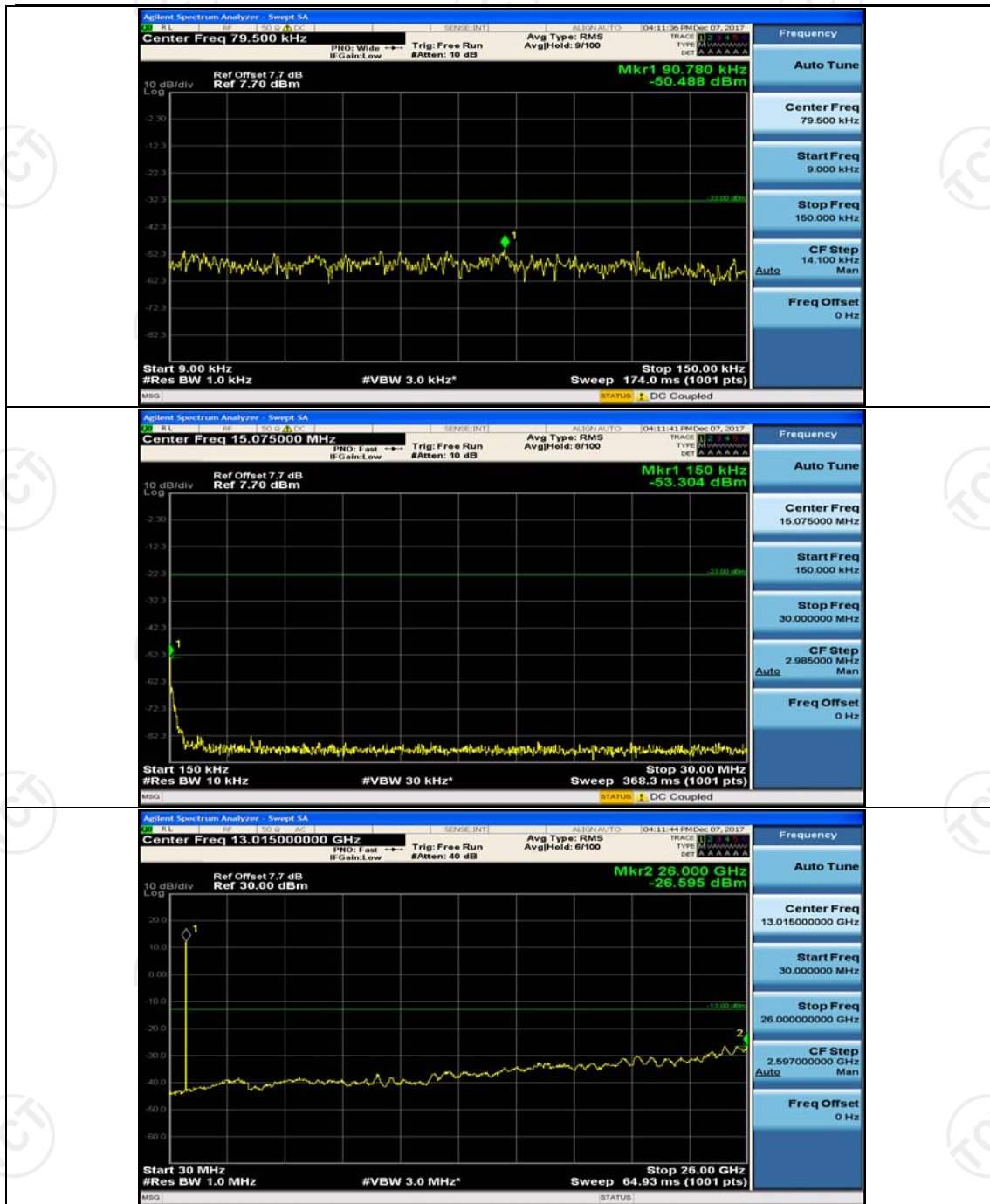




Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0







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

Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz						
Voltage						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	7.1	25	-0.005745	± 2.5	PASS
		7.4	25	-0.004551	± 2.5	PASS
		8.4	25	-0.006250	± 2.5	PASS
	MCH	7.1	25	-0.001530	± 2.5	PASS
		7.4	25	-0.000933	± 2.5	PASS
		8.4	25	-0.002558	± 2.5	PASS
	HCH	7.1	25	-0.002824	± 2.5	PASS
		7.4	25	-0.002407	± 2.5	PASS
		8.4	25	-0.002631	± 2.5	PASS
16QAM	LCH	7.1	25	-0.004304	± 2.5	PASS
		7.4	25	-0.002386	± 2.5	PASS
		8.4	25	-0.005317	± 2.5	PASS
	MCH	7.1	25	0.000312	± 2.5	PASS
		7.4	25	0.000165	± 2.5	PASS
		8.4	25	0.000450	± 2.5	PASS
	HCH	7.1	25	-0.003150	± 2.5	PASS
		7.4	25	-0.002170	± 2.5	PASS
		8.4	25	-0.005228	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	7.4	0	-0.007845	± 2.5	PASS
		7.4	10	-0.006280	± 2.5	PASS
		7.4	20	-0.004276	± 2.5	PASS
		7.4	30	-0.002551	± 2.5	PASS
		7.4	40	-0.002441	± 2.5	PASS
		7.4	45	-0.003010	± 2.5	PASS
	MCH	7.4	0	-0.003124	± 2.5	PASS
		7.4	10	-0.002834	± 2.5	PASS
		7.4	20	-0.001024	± 2.5	PASS
		7.4	30	-0.001061	± 2.5	PASS
		7.4	40	0.000037	± 2.5	PASS
		7.4	45	-0.000146	± 2.5	PASS

	HCH	7.4	0	-0.004645	± 2.5	PASS
		7.4	10	-0.003570	± 2.5	PASS
		7.4	20	-0.002717	± 2.5	PASS
		7.4	30	-0.002425	± 2.5	PASS
		7.4	40	-0.001878	± 2.5	PASS
		7.4	45	-0.001240	± 2.5	PASS
16QAM	LCH	7.4	0	-0.005237	± 2.5	PASS
		7.4	10	-0.004235	± 2.5	PASS
		7.4	20	-0.002331	± 2.5	PASS
		7.4	30	-0.000881	± 2.5	PASS
		7.4	40	-0.001670	± 2.5	PASS
		7.4	45	-0.003230	± 2.5	PASS
	MCH	7.4	0	-0.001533	± 2.5	PASS
		7.4	10	-0.000137	± 2.5	PASS
		7.4	20	-0.000073	± 2.5	PASS
		7.4	30	-0.000037	± 2.5	PASS
		7.4	40	0.000055	± 2.5	PASS
		7.4	45	0.000183	± 2.5	PASS
	HCH	7.4	0	-0.005483	± 2.5	PASS
		7.4	10	-0.003730	± 2.5	PASS
		7.4	20	-0.002644	± 2.5	PASS
		7.4	30	-0.001969	± 2.5	PASS
		7.4	40	-0.001422	± 2.5	PASS
		7.4	45	-0.002480	± 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)		
1559	Vertical	-41.50	-13.00	PASS
2338.5	V	-45.42		
-	V	-		
1559	Horizontal	-44.38		
2338.5	H	-42.20		
-	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)		
1564	Vertical	-42.29	-13.00	PASS
2346	V	-44.54		
-	V	-		
1564	Horizontal	-45.17		
2346	H	-47.31		
-	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)		
1569	Vertical	-42.28	-13.00	PASS
2353.5	V	-45.63		
-	V	-		
1569	Horizontal	-42.27		
2353.5	H	-43.73		
-	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)		
1559	Vertical	-42.35	-13.00	PASS
2338.5	V	-46.24		
-	V	-		
1559	Horizontal	-43.40		
2338.5	H	-45.35		
-	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)		
1564	Vertical	-41.65	-13.00	PASS
2346	V	-46.58		
-	V	-		
1564	Horizontal	-42.60		
2346	H	-45.82		
-	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)		
1569	Vertical	-41.54	-13.00	PASS
2353.5	V	-44.21		
-	V	-		
1569	Horizontal	-42.54		
2353.5	H	-45.25		
-	H	-		

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