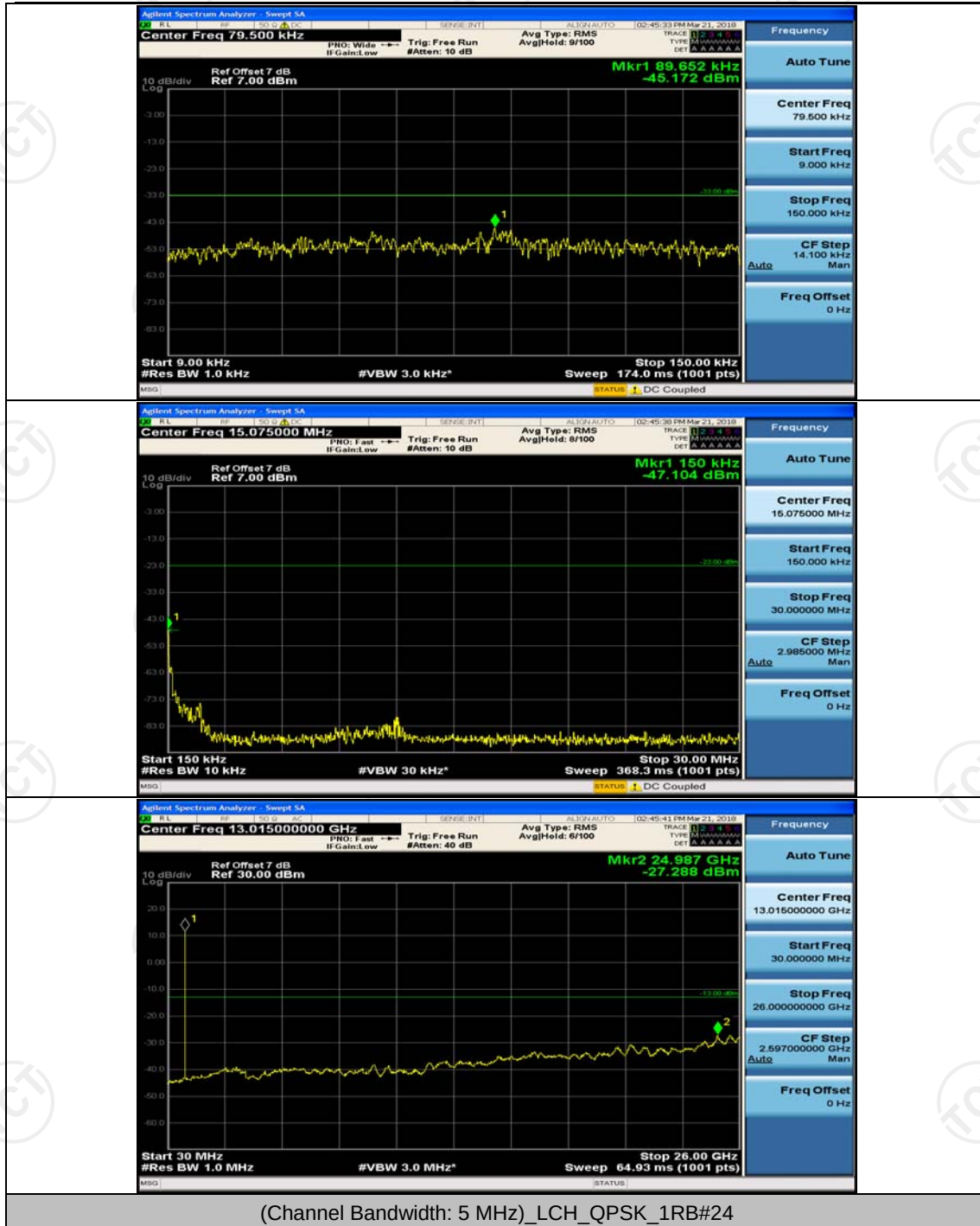
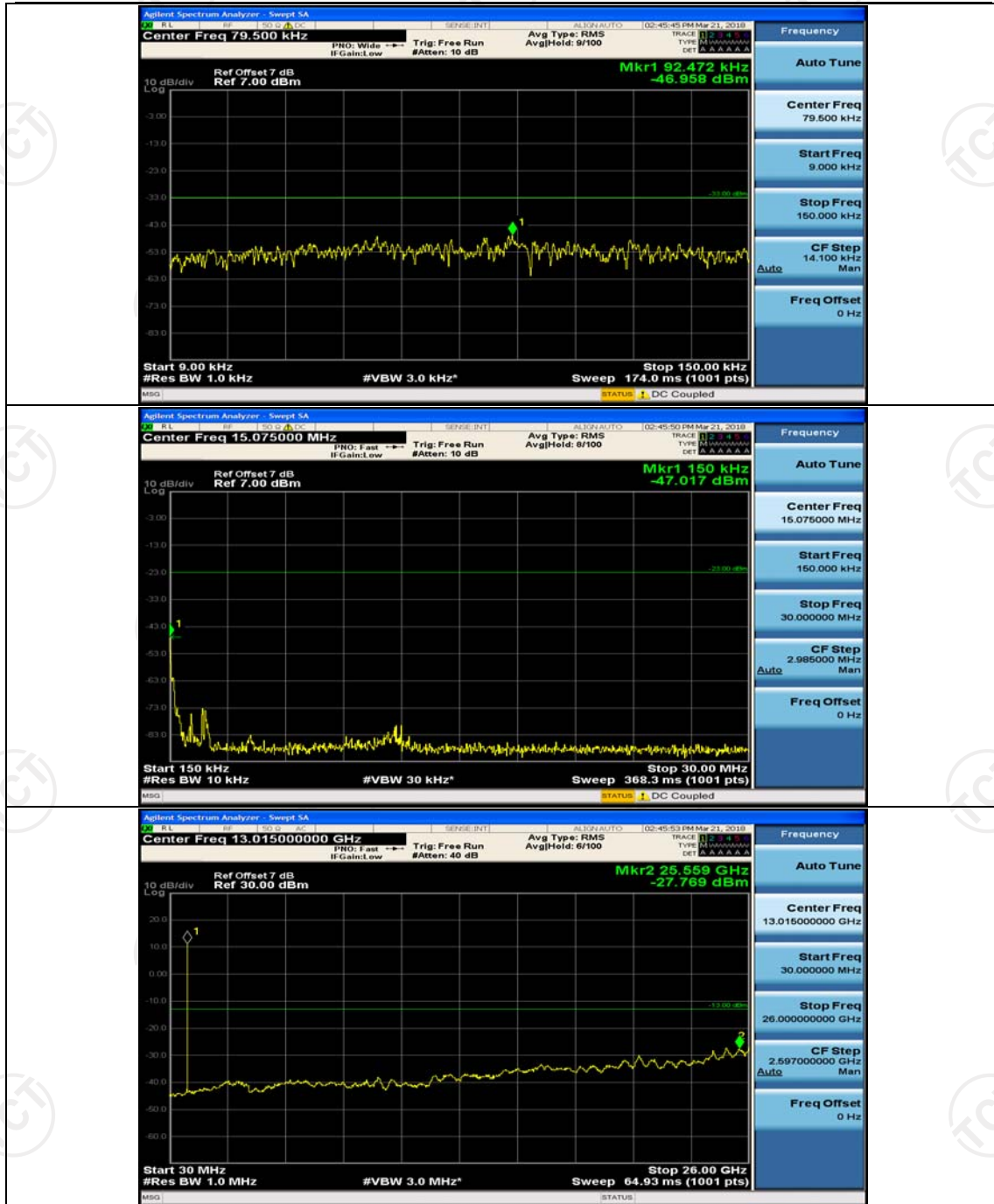
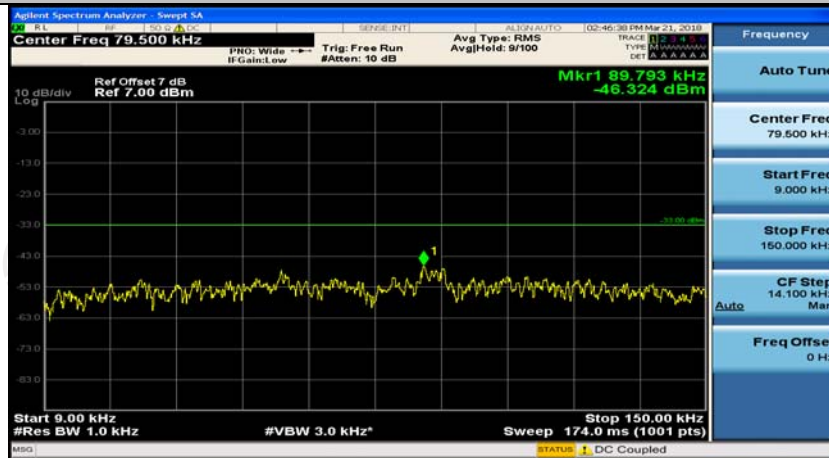


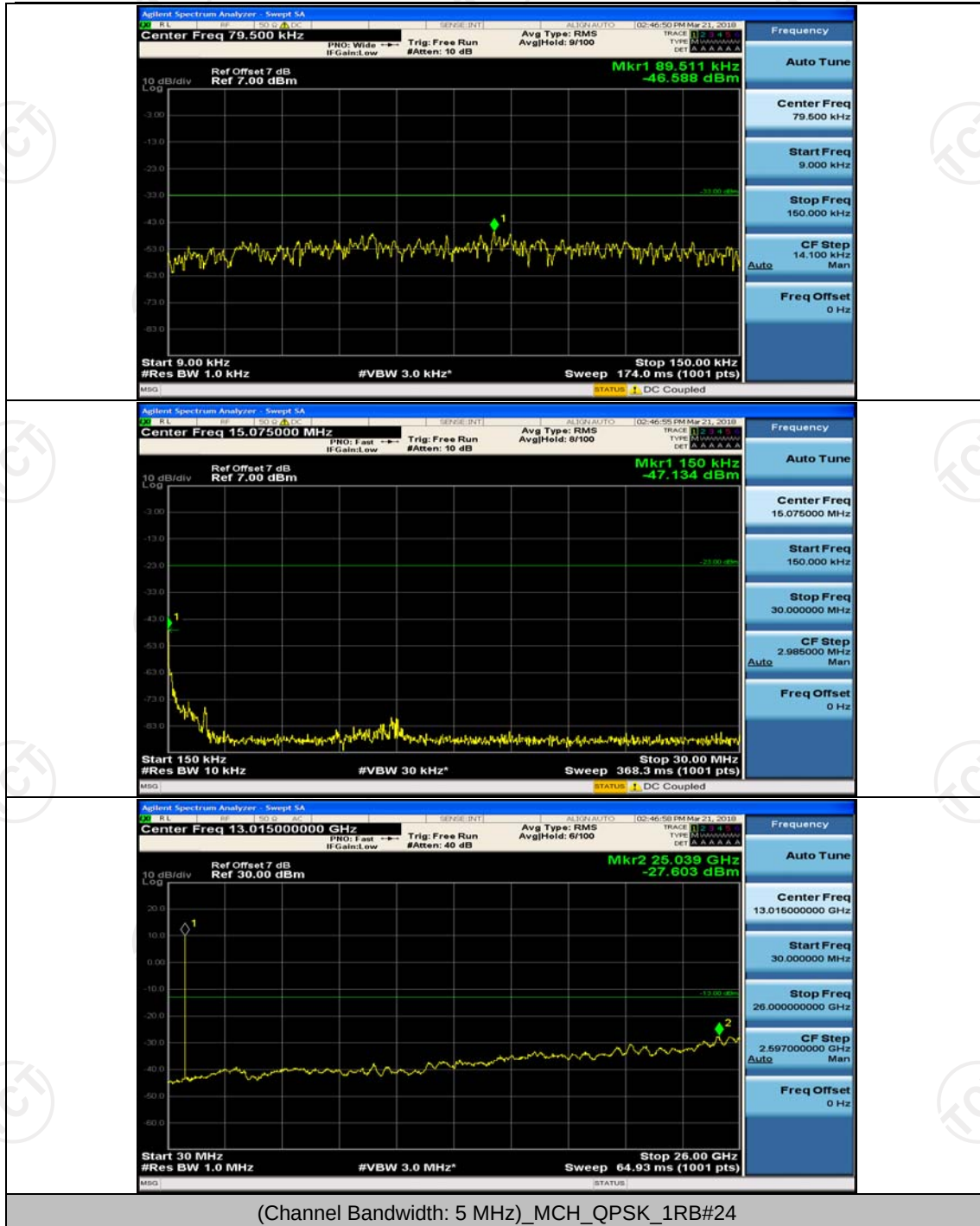


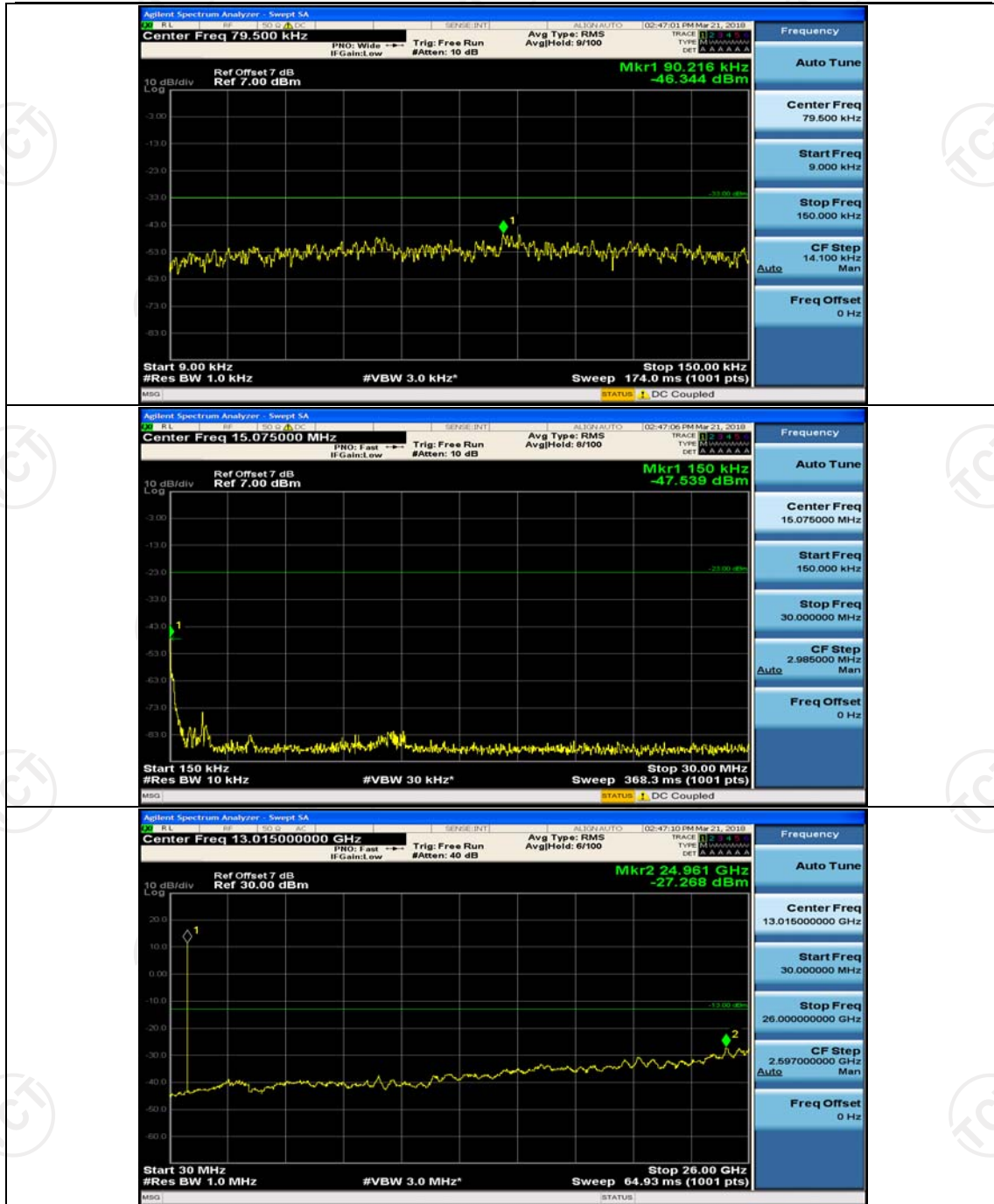


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

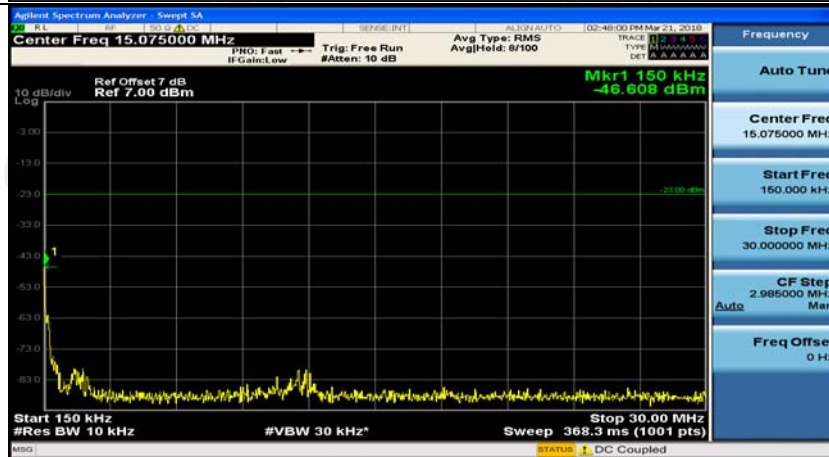
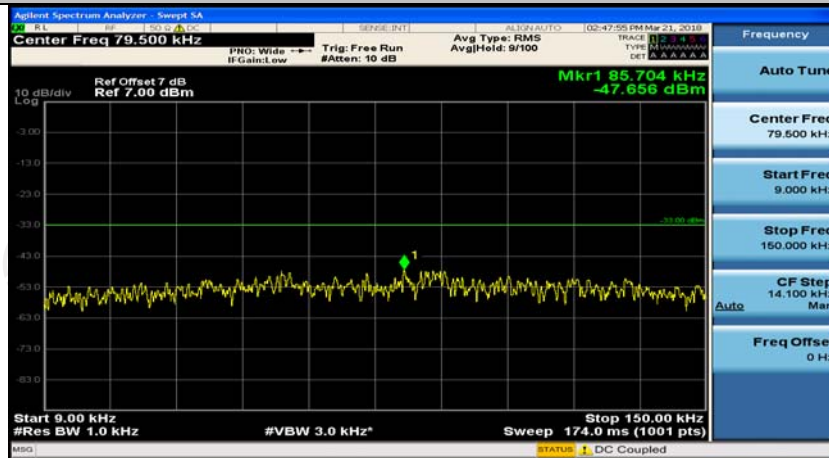


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

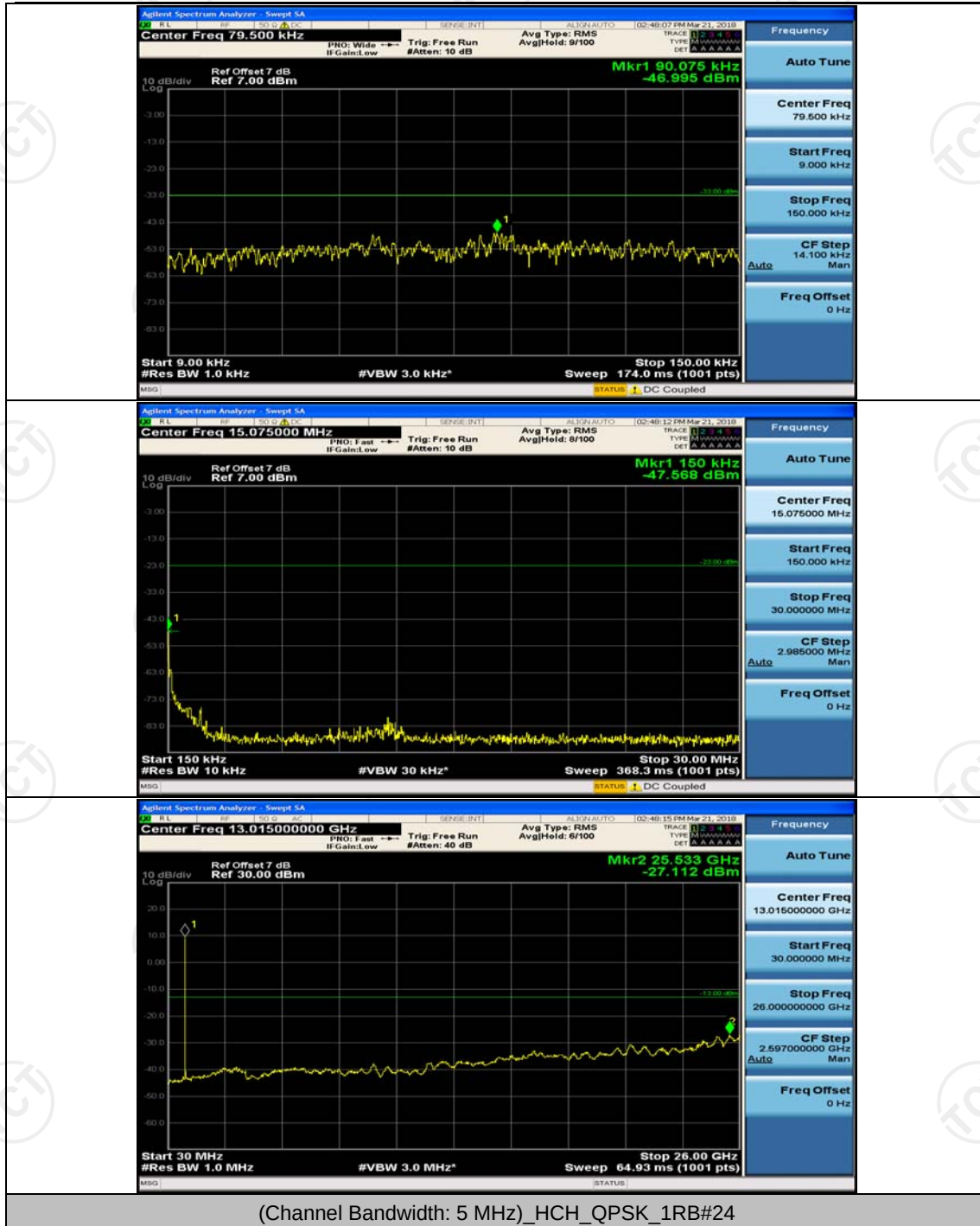


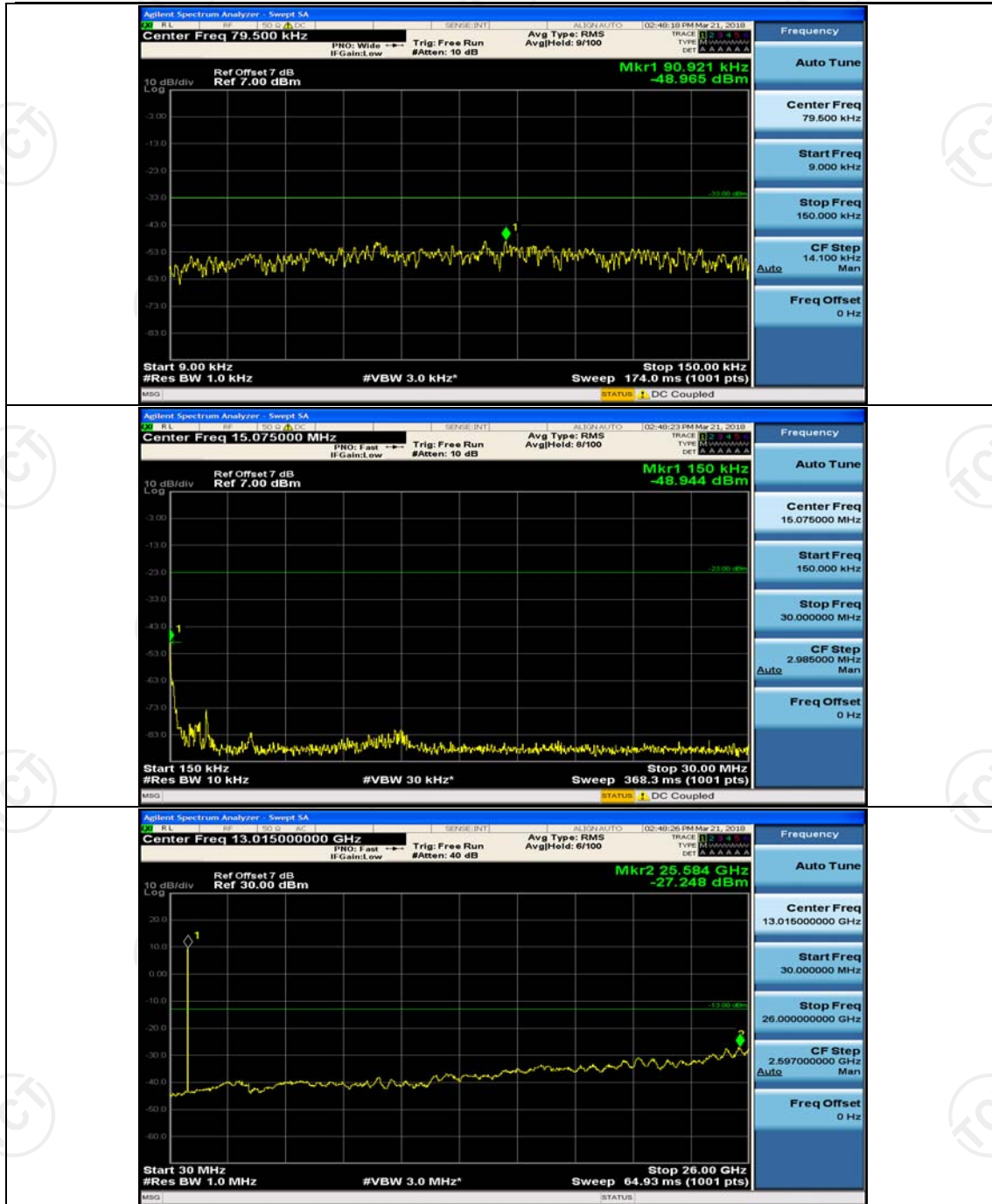


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

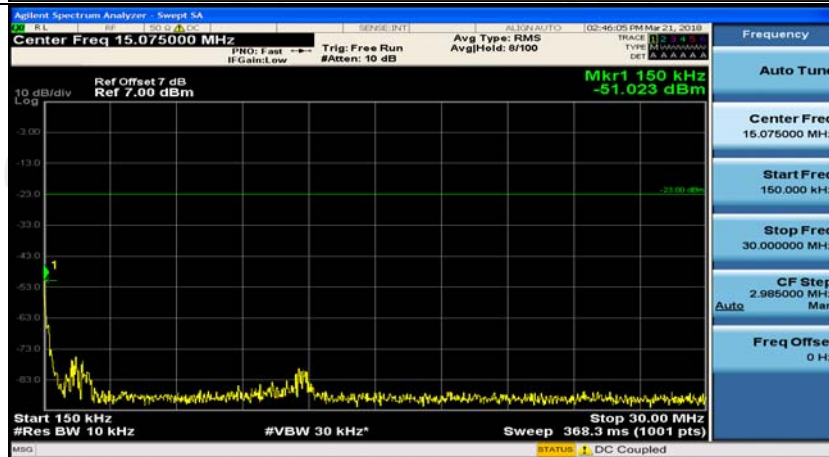


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

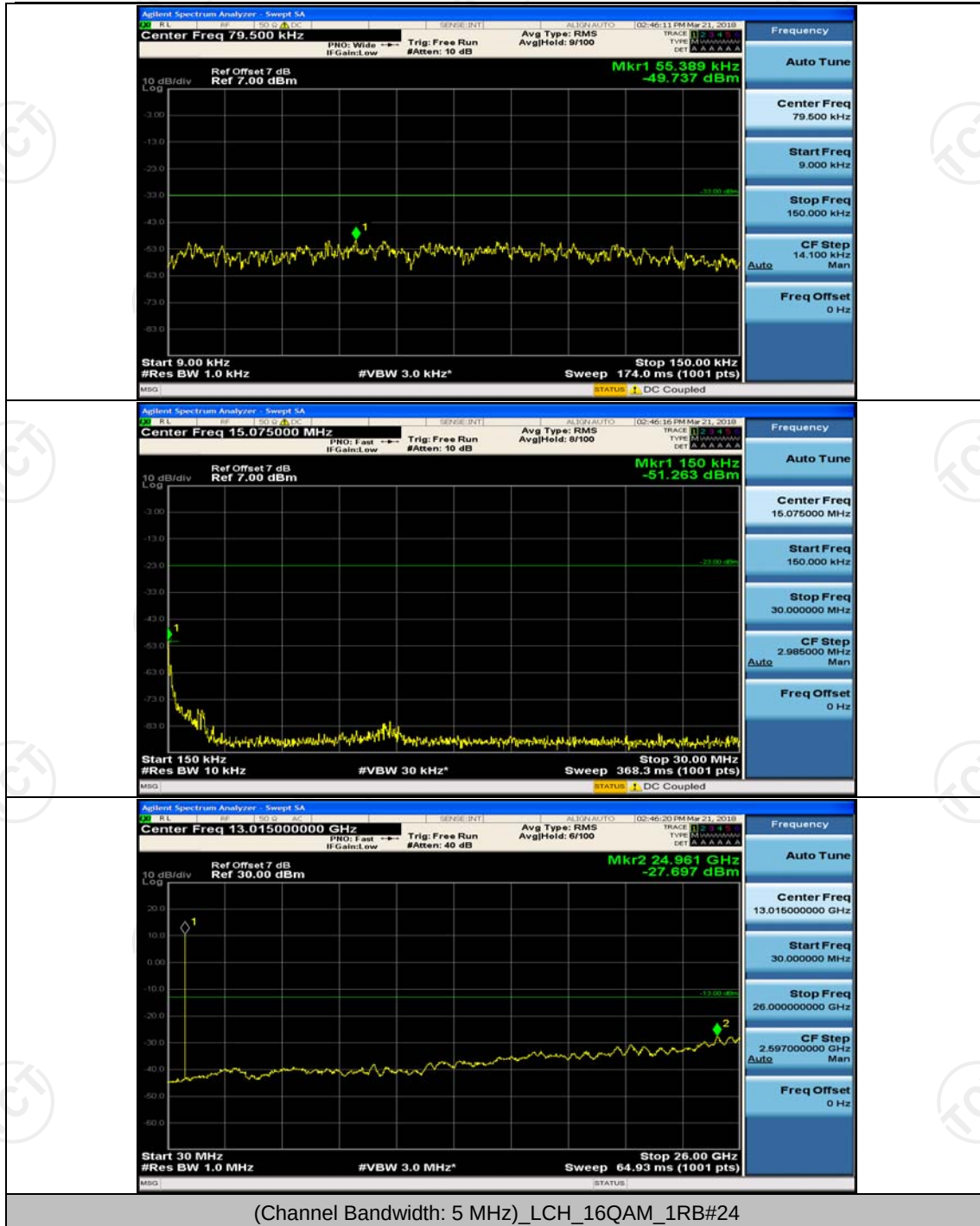


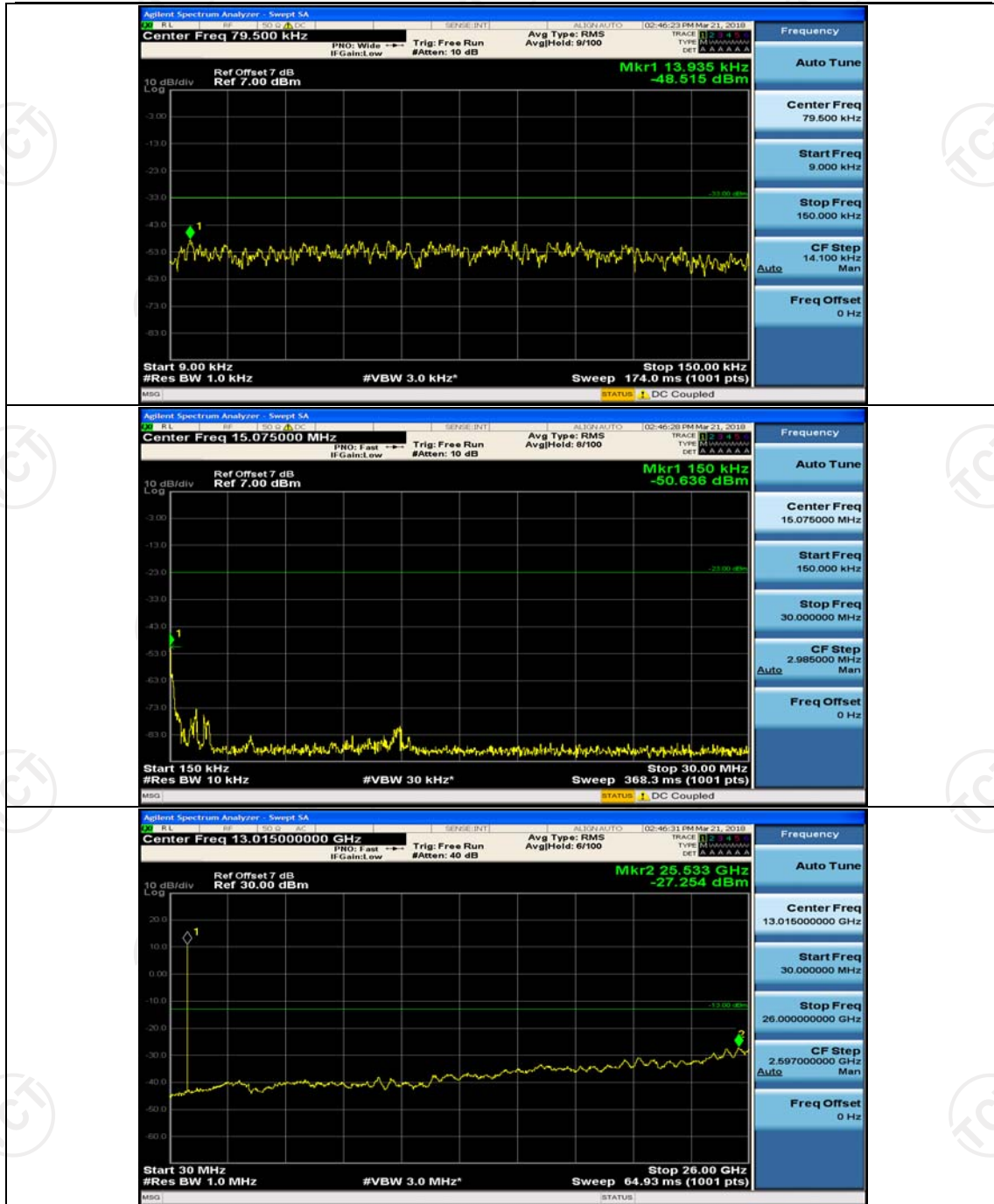


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

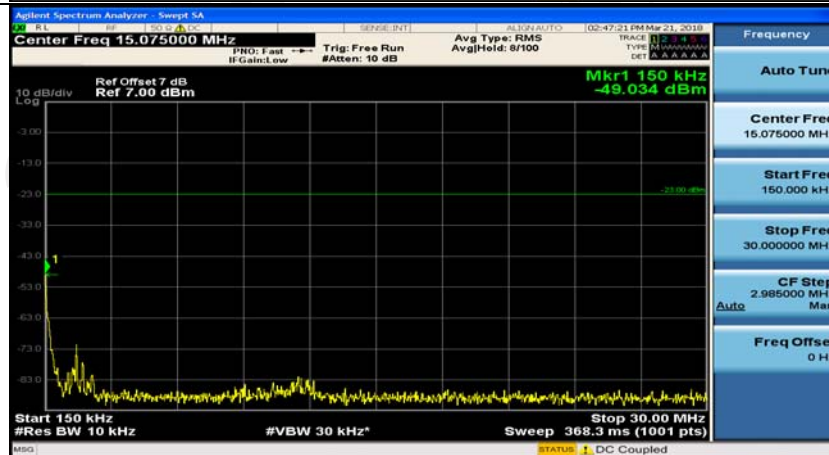
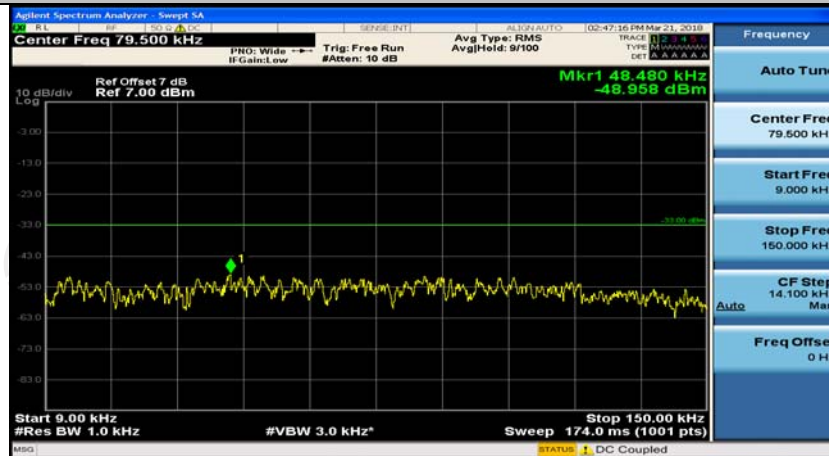


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

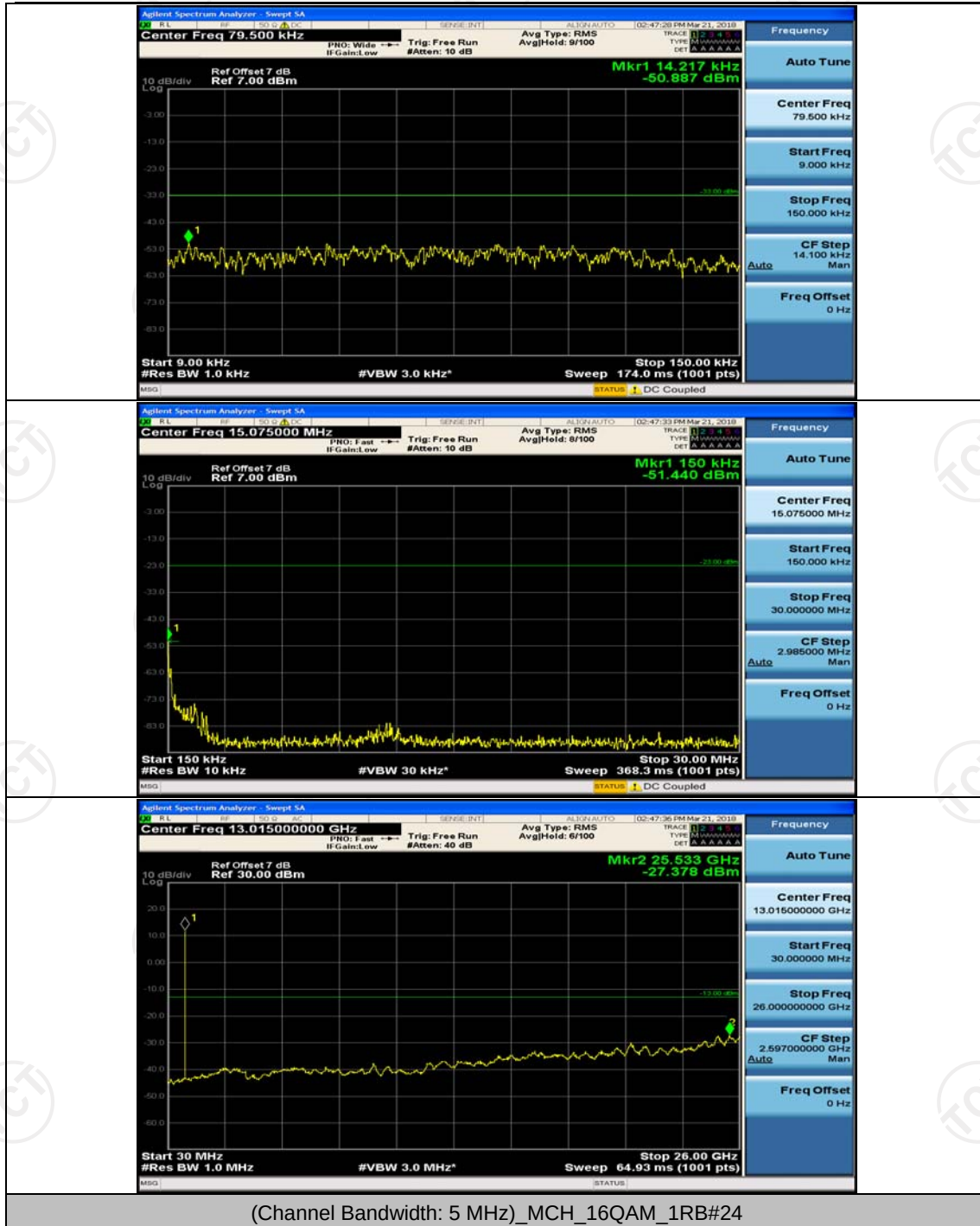


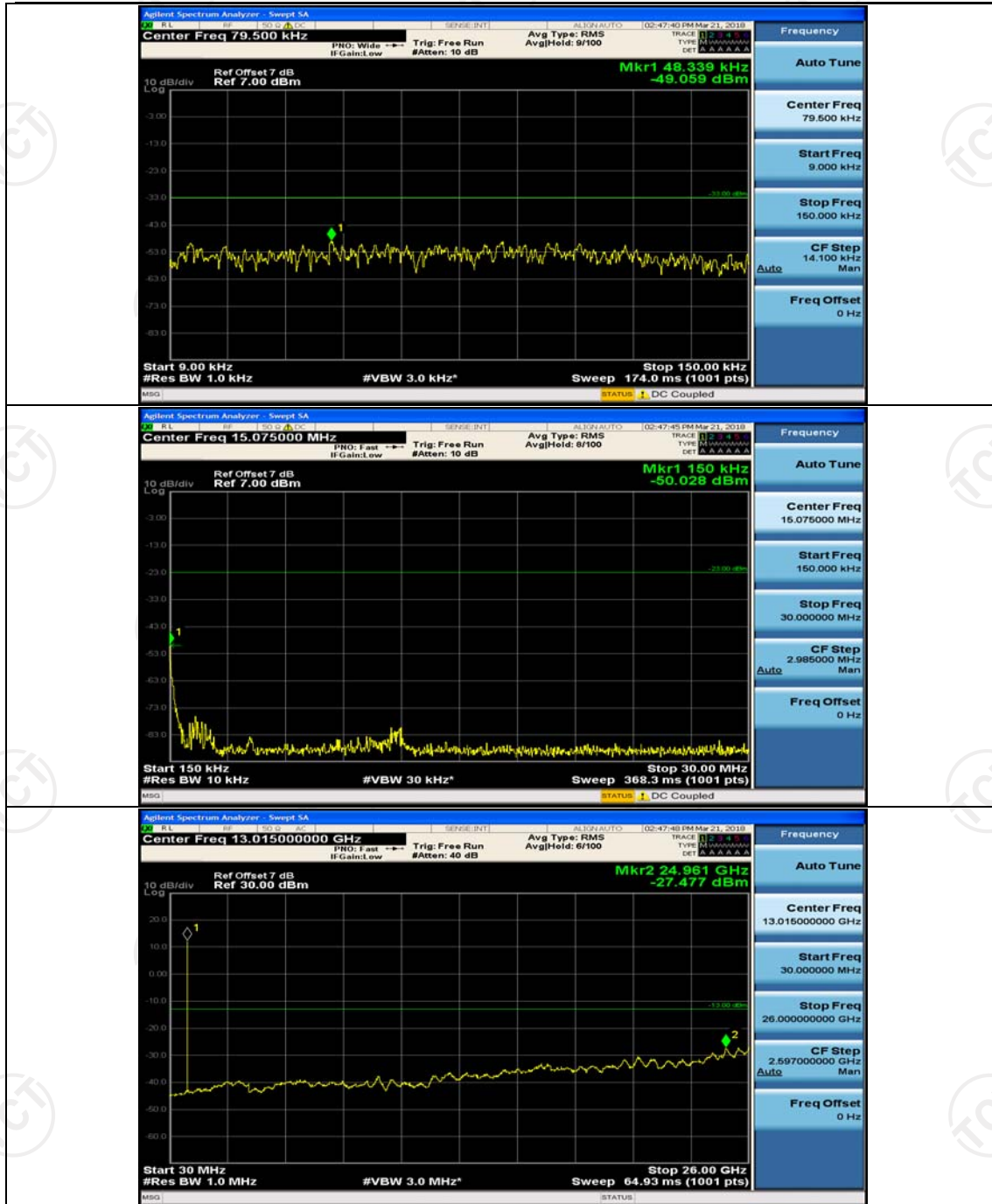


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

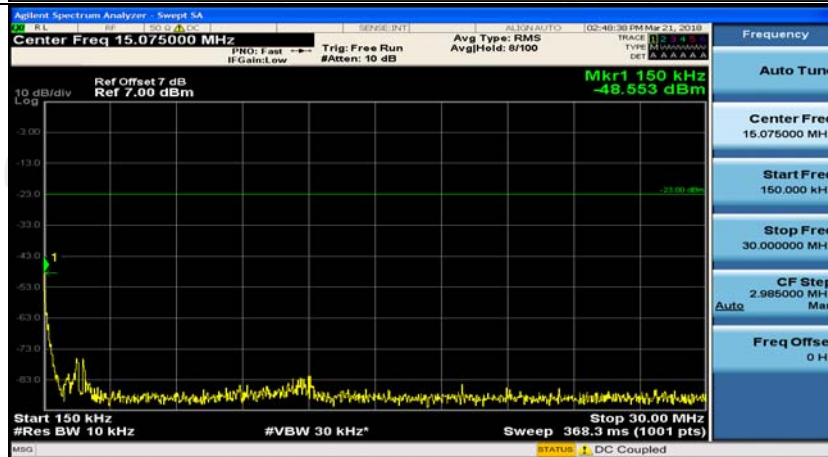


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

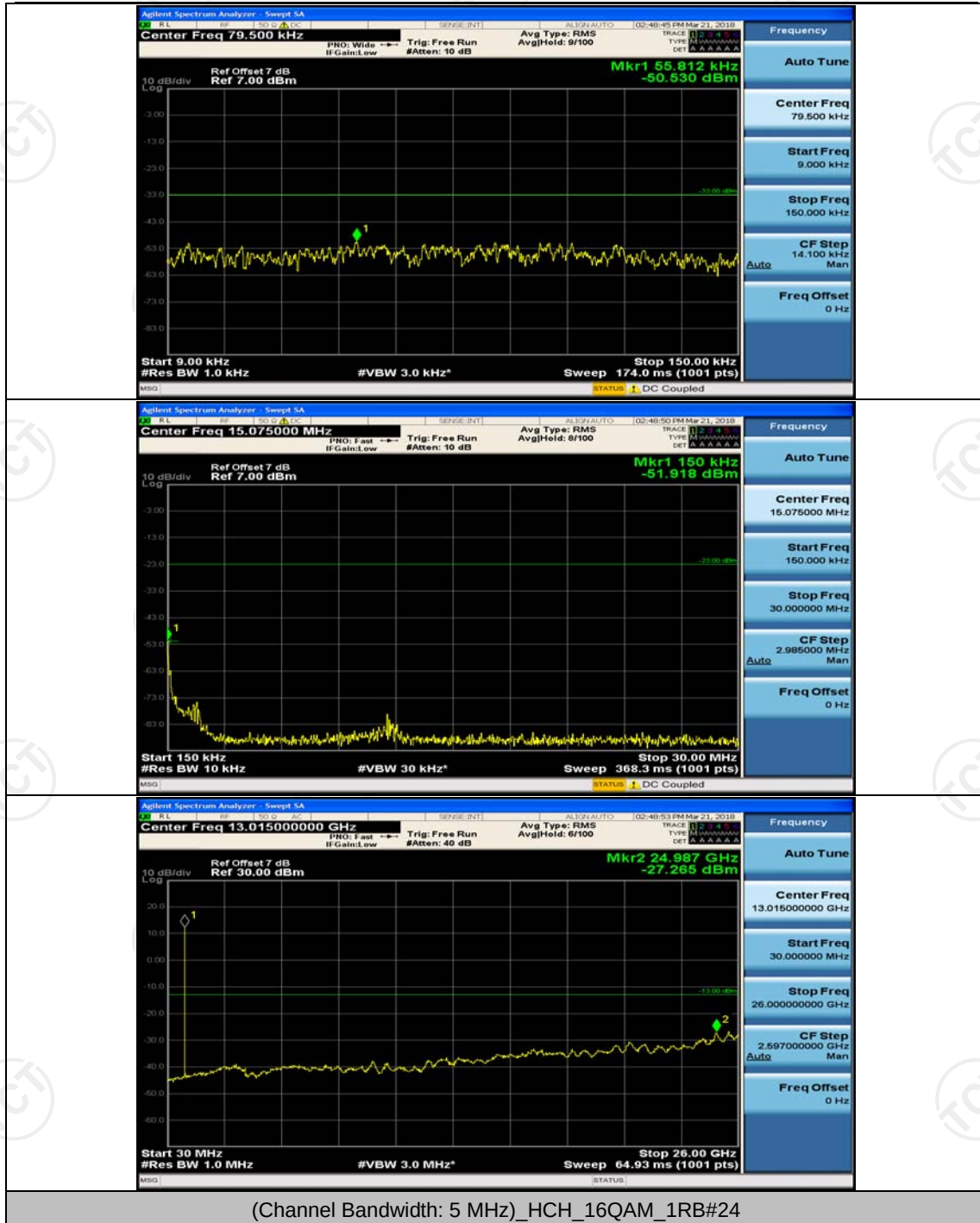


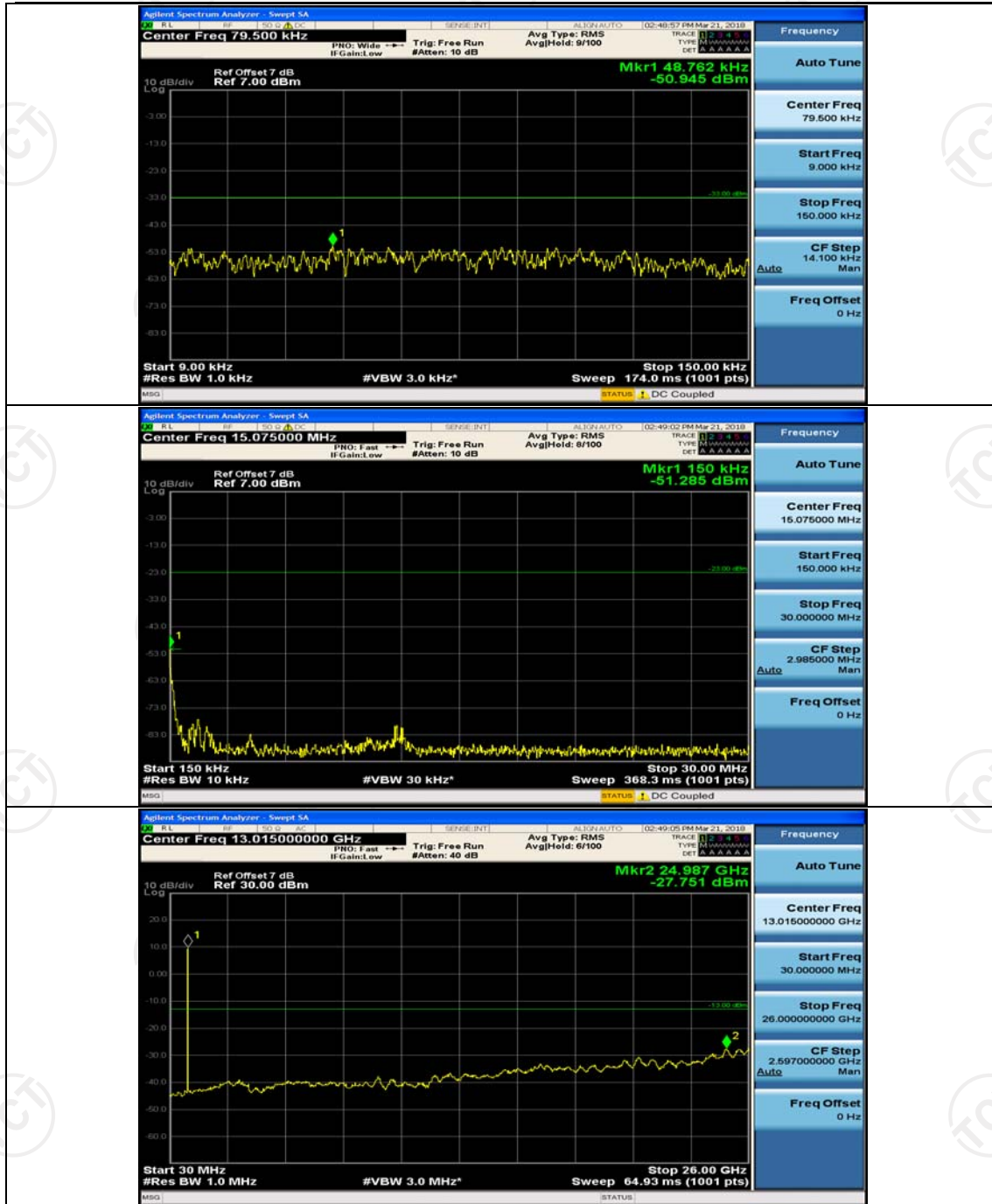


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

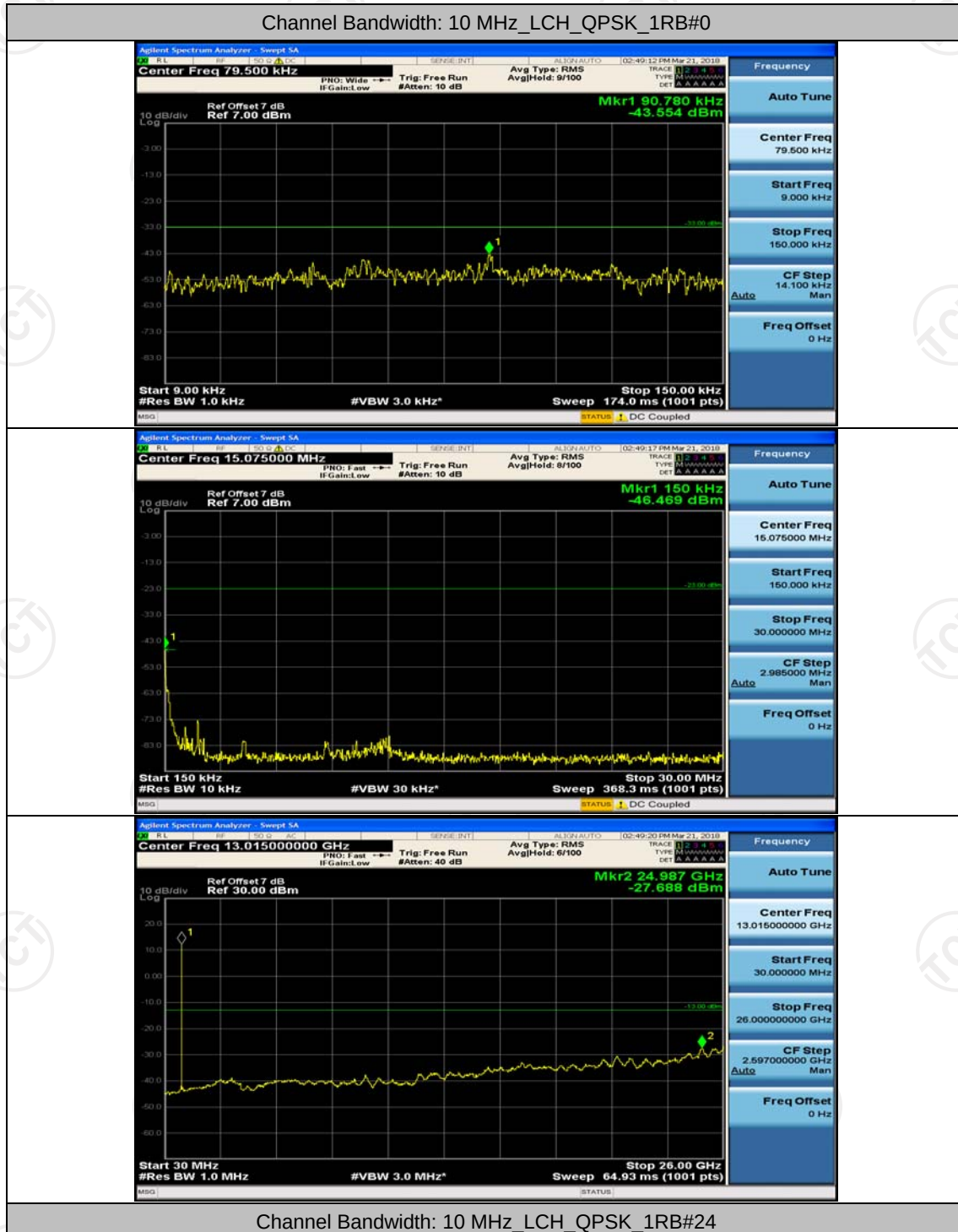


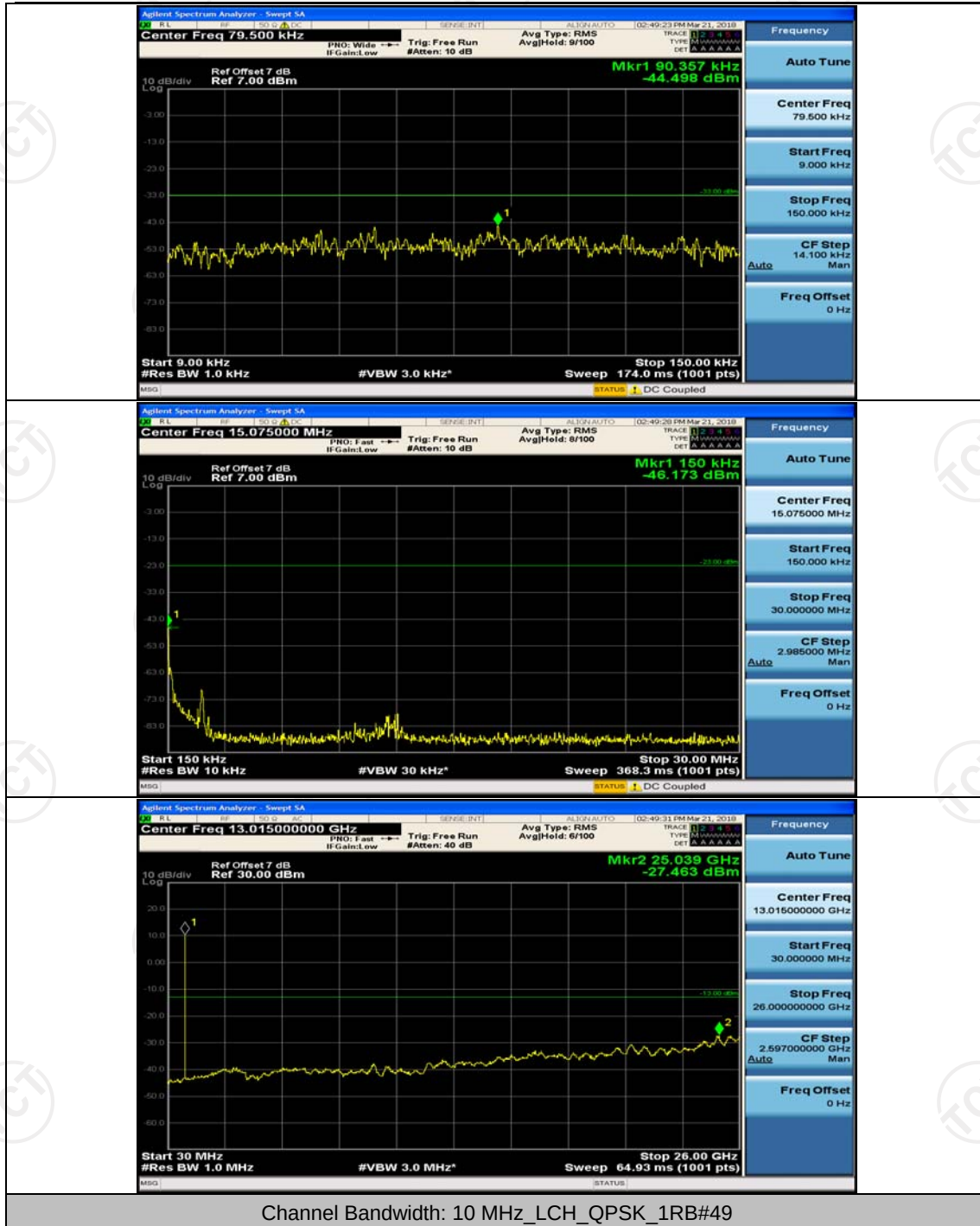
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

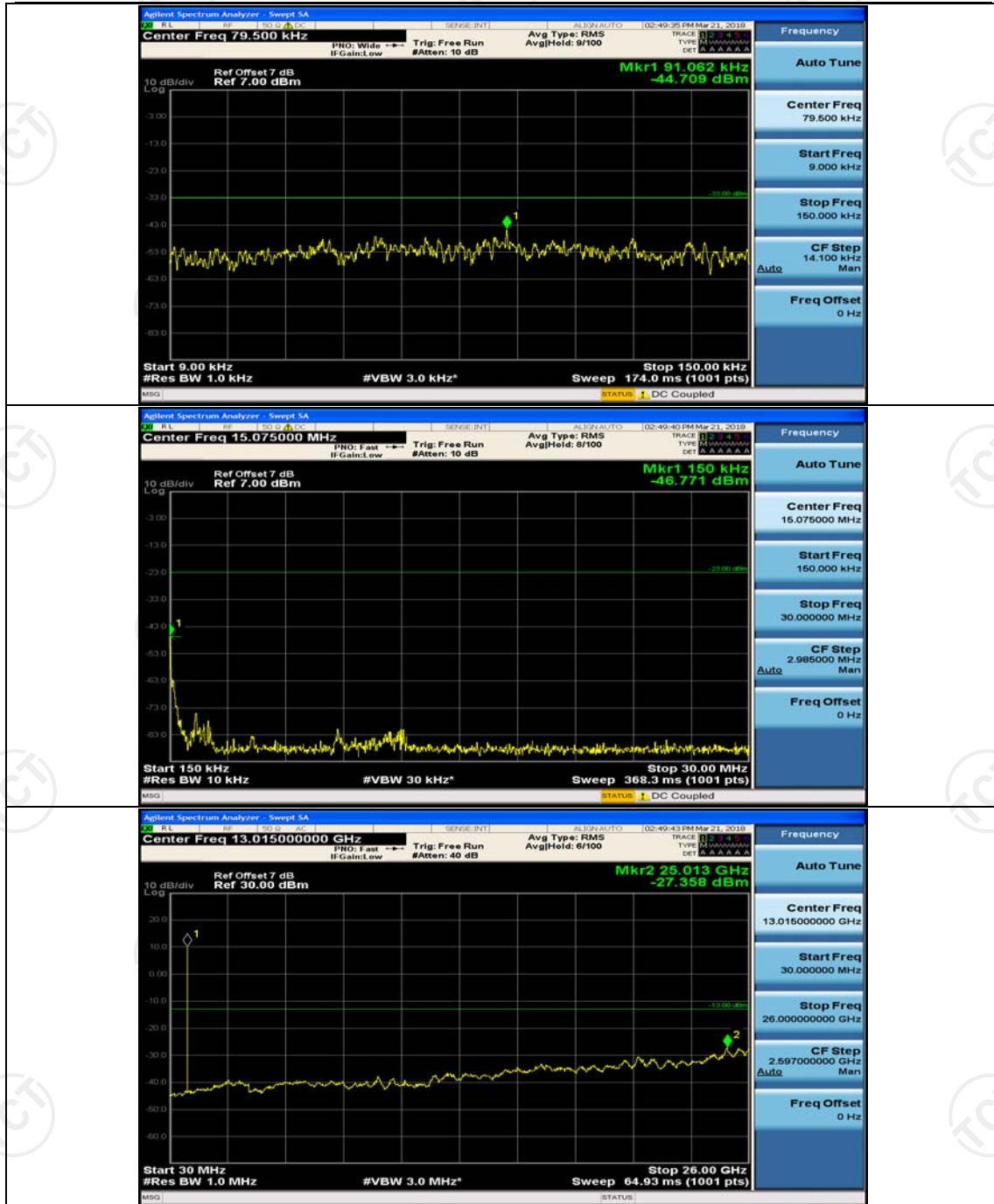


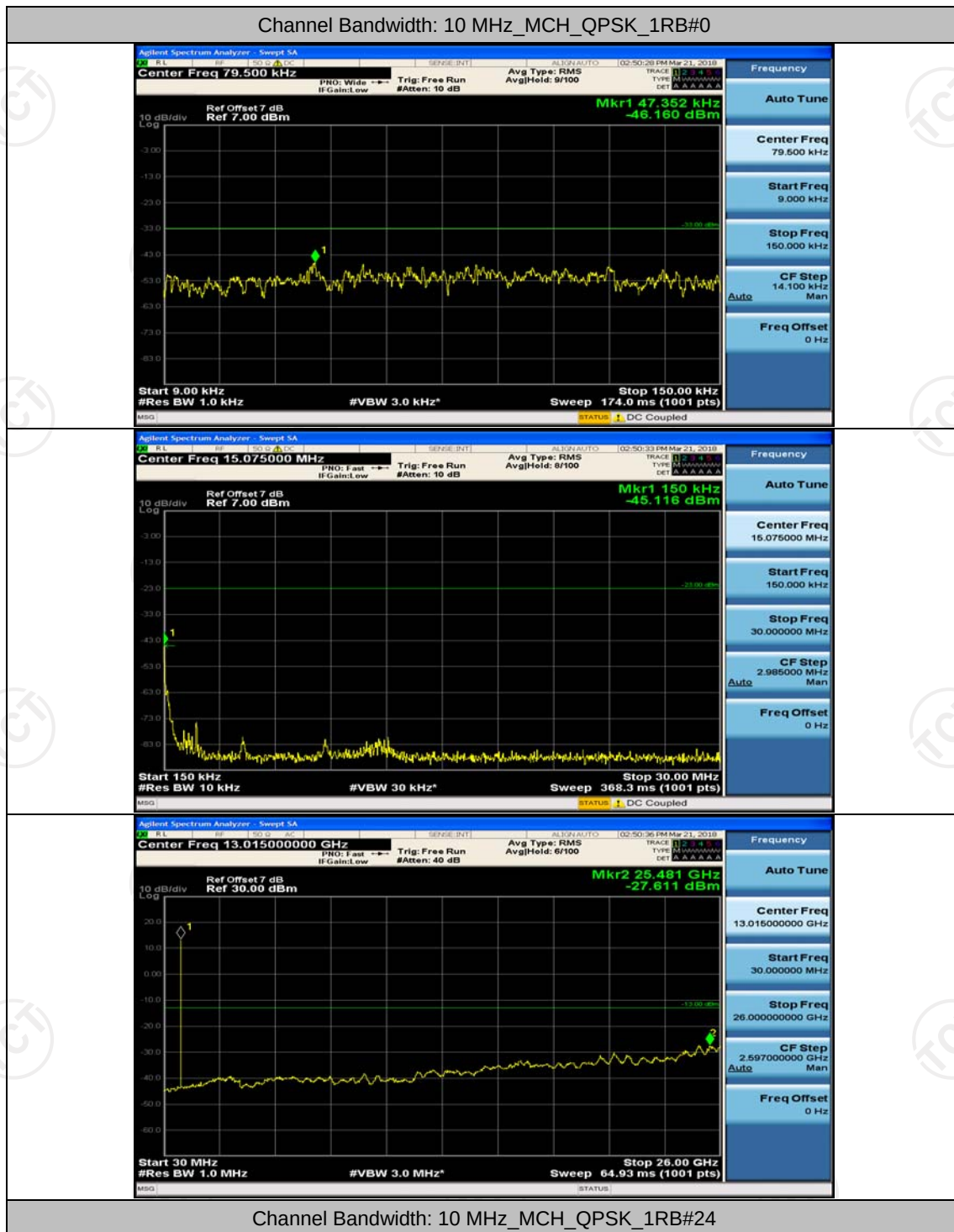


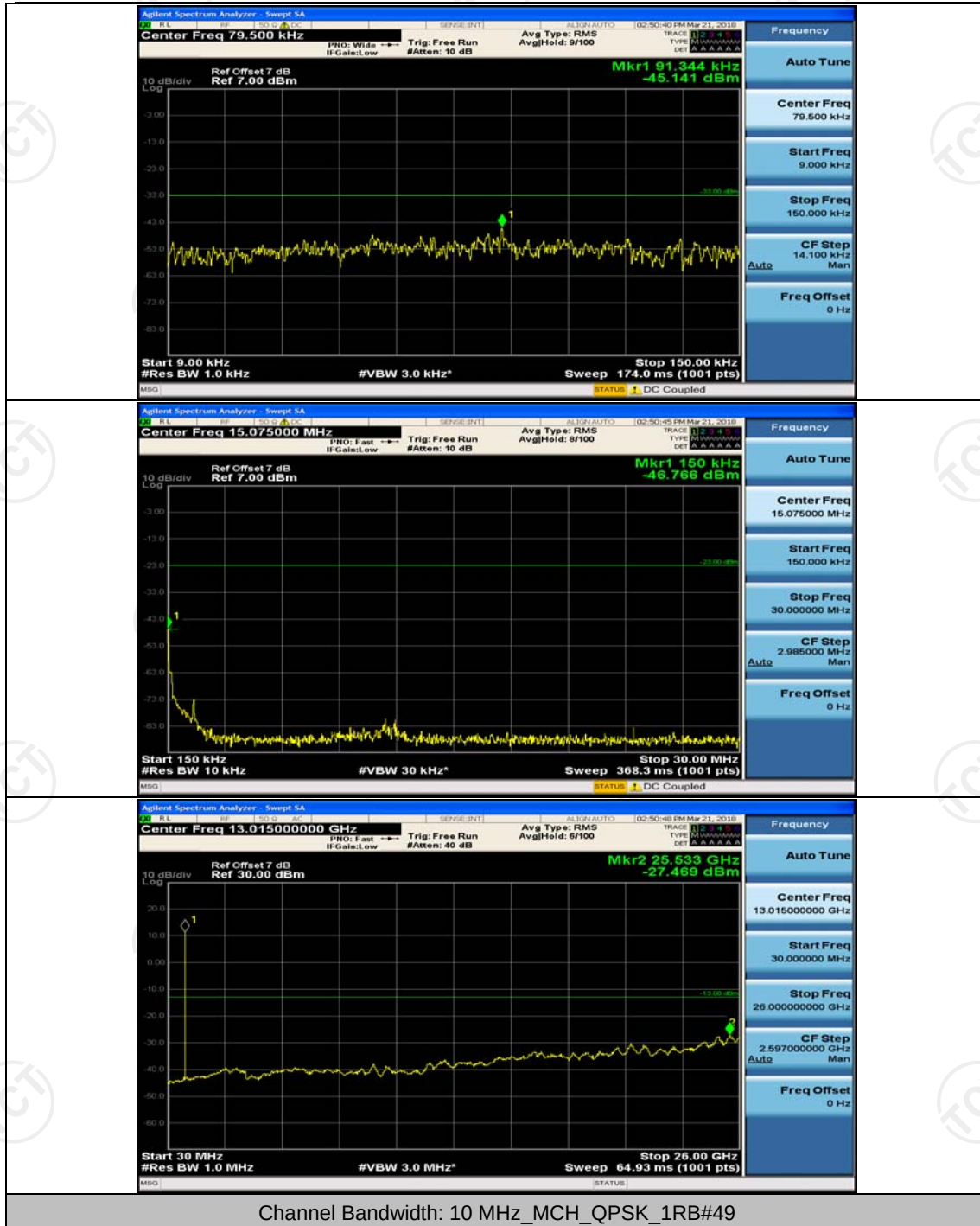
Channel Bandwidth: 10 MHz

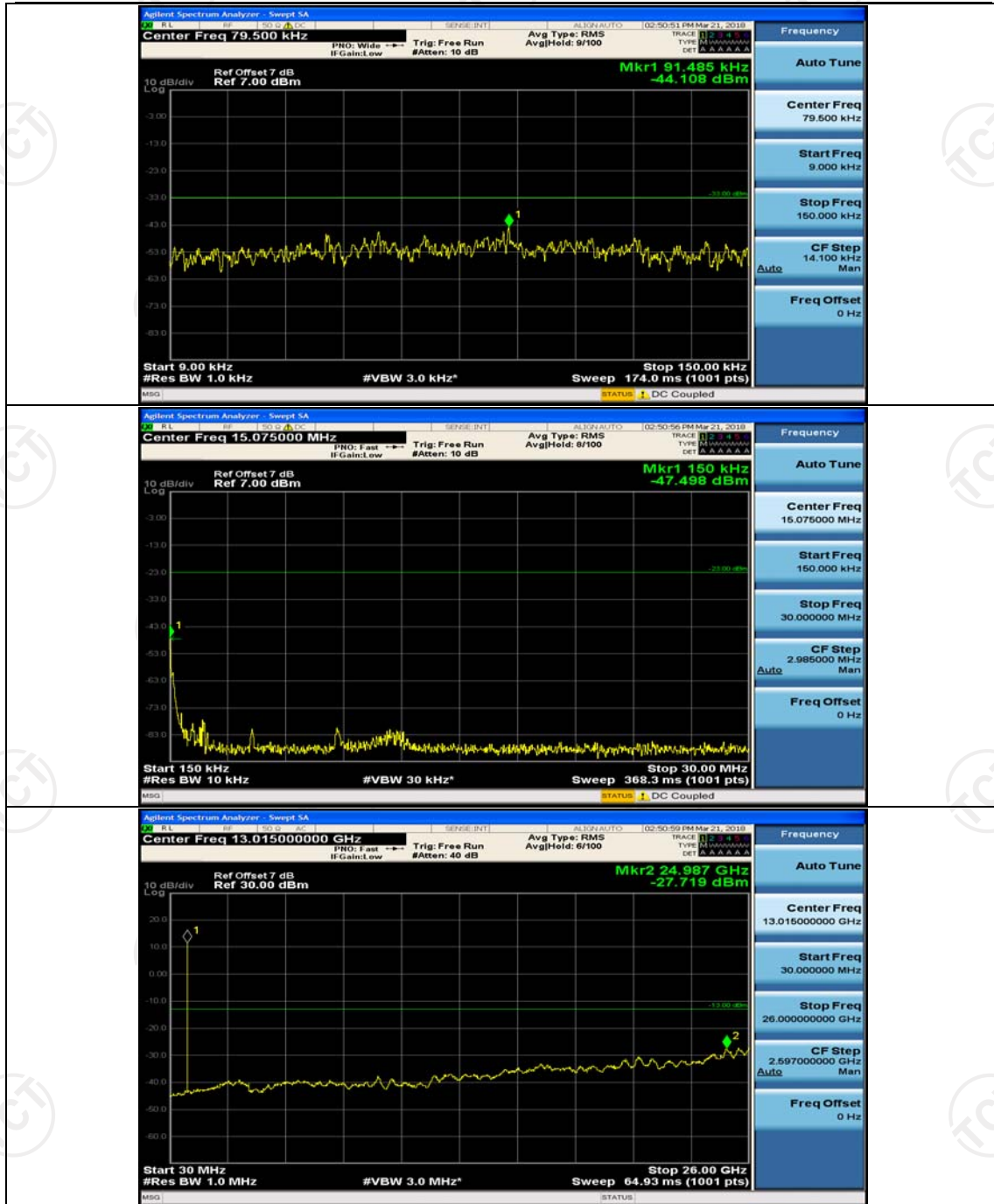


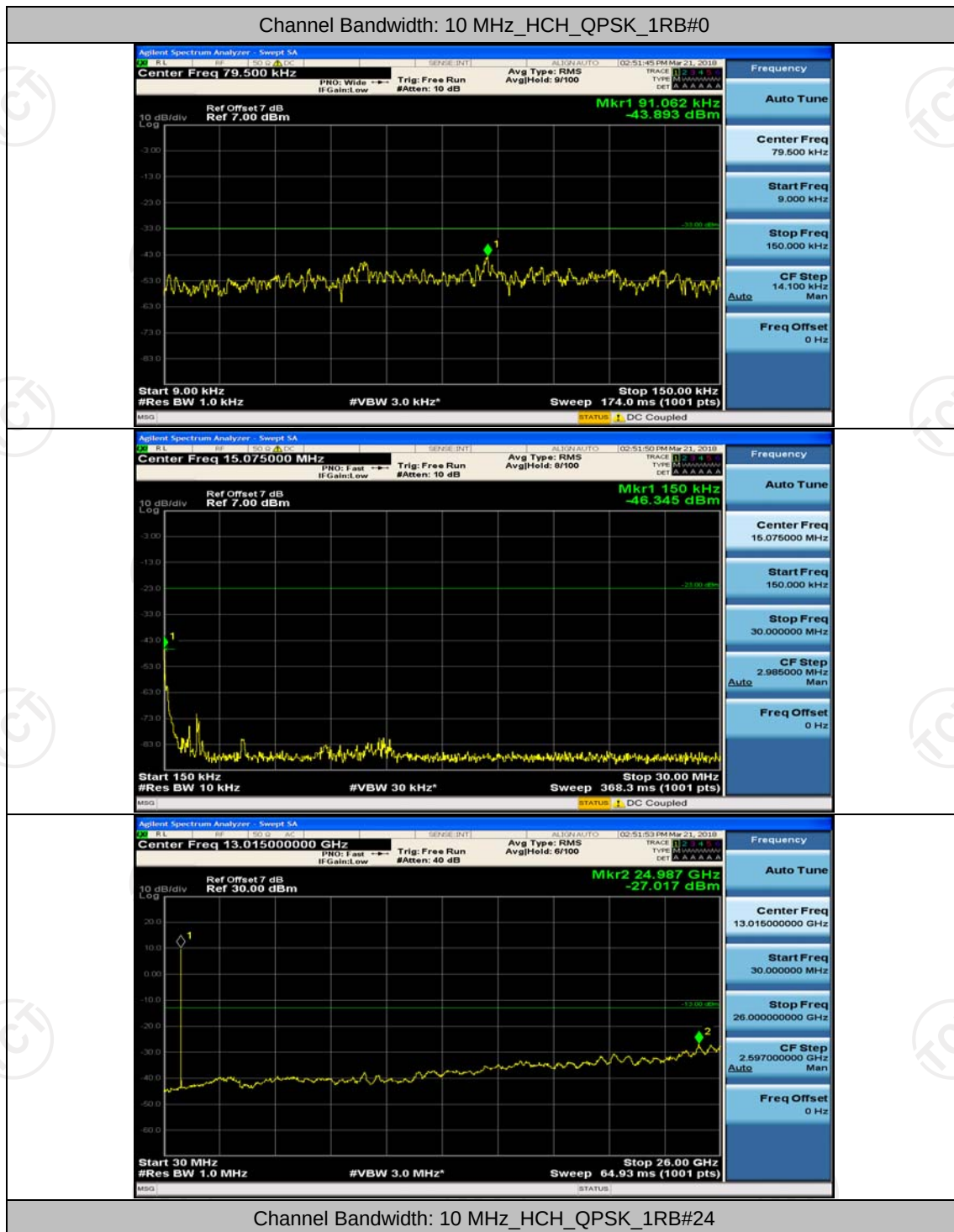


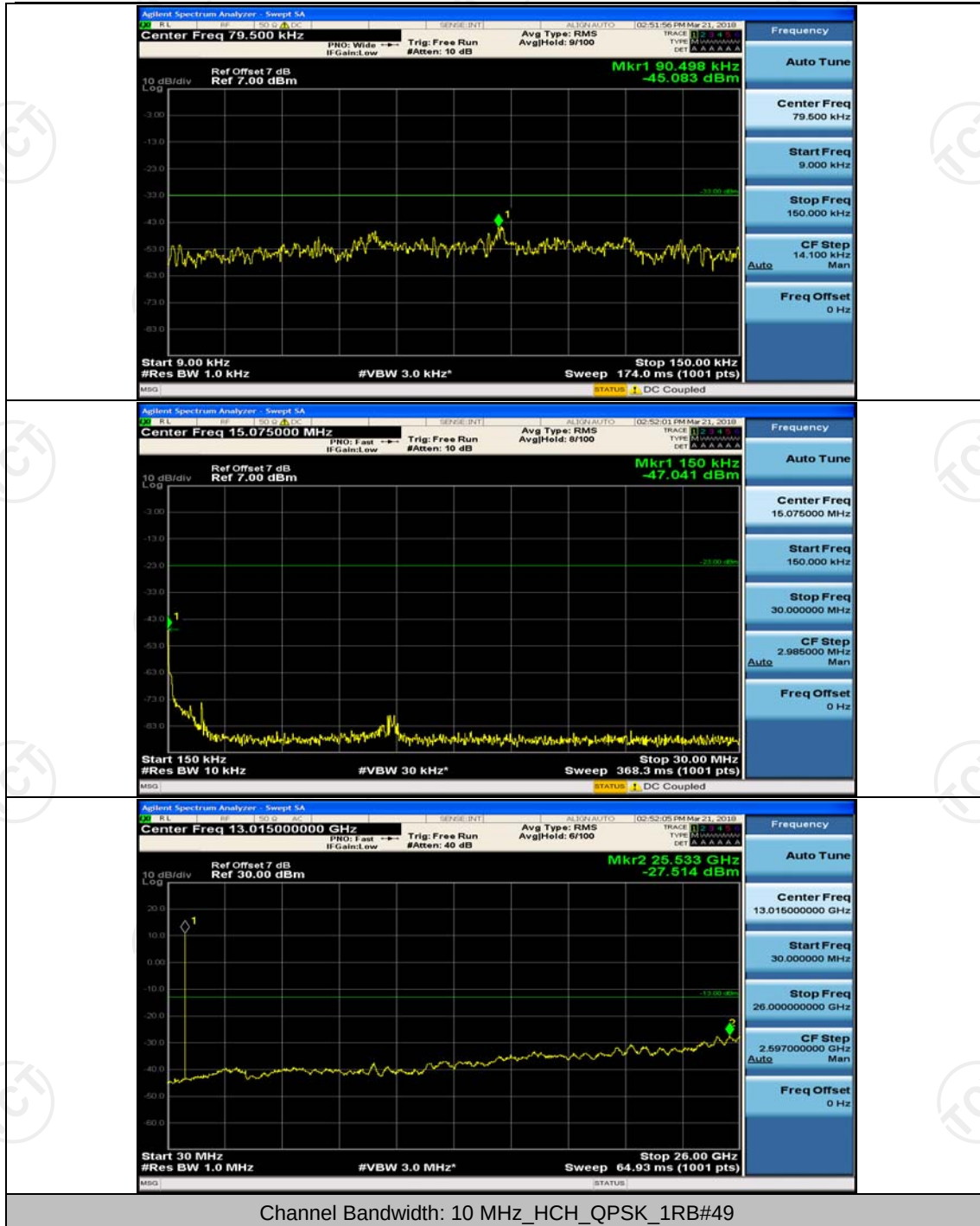


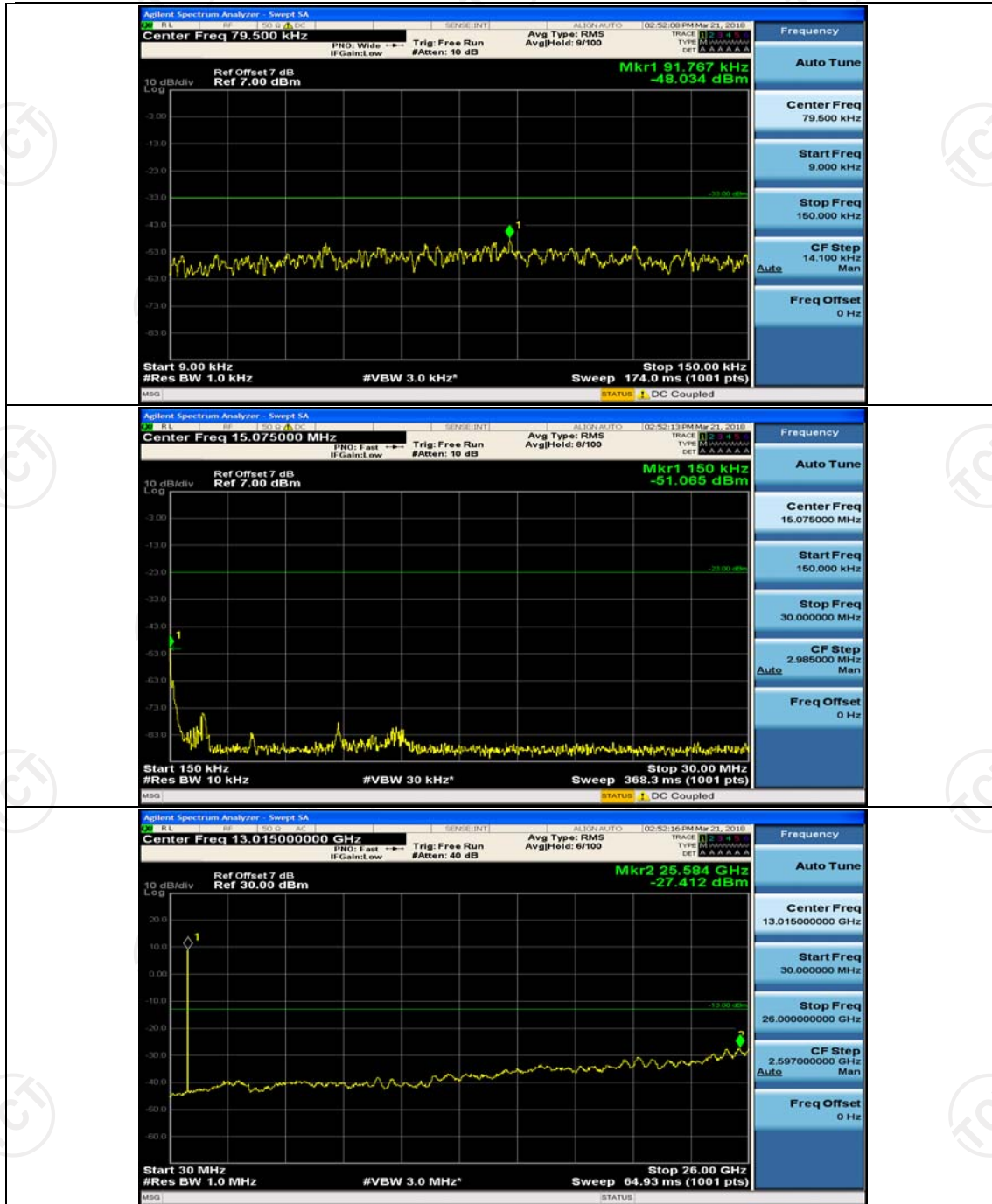


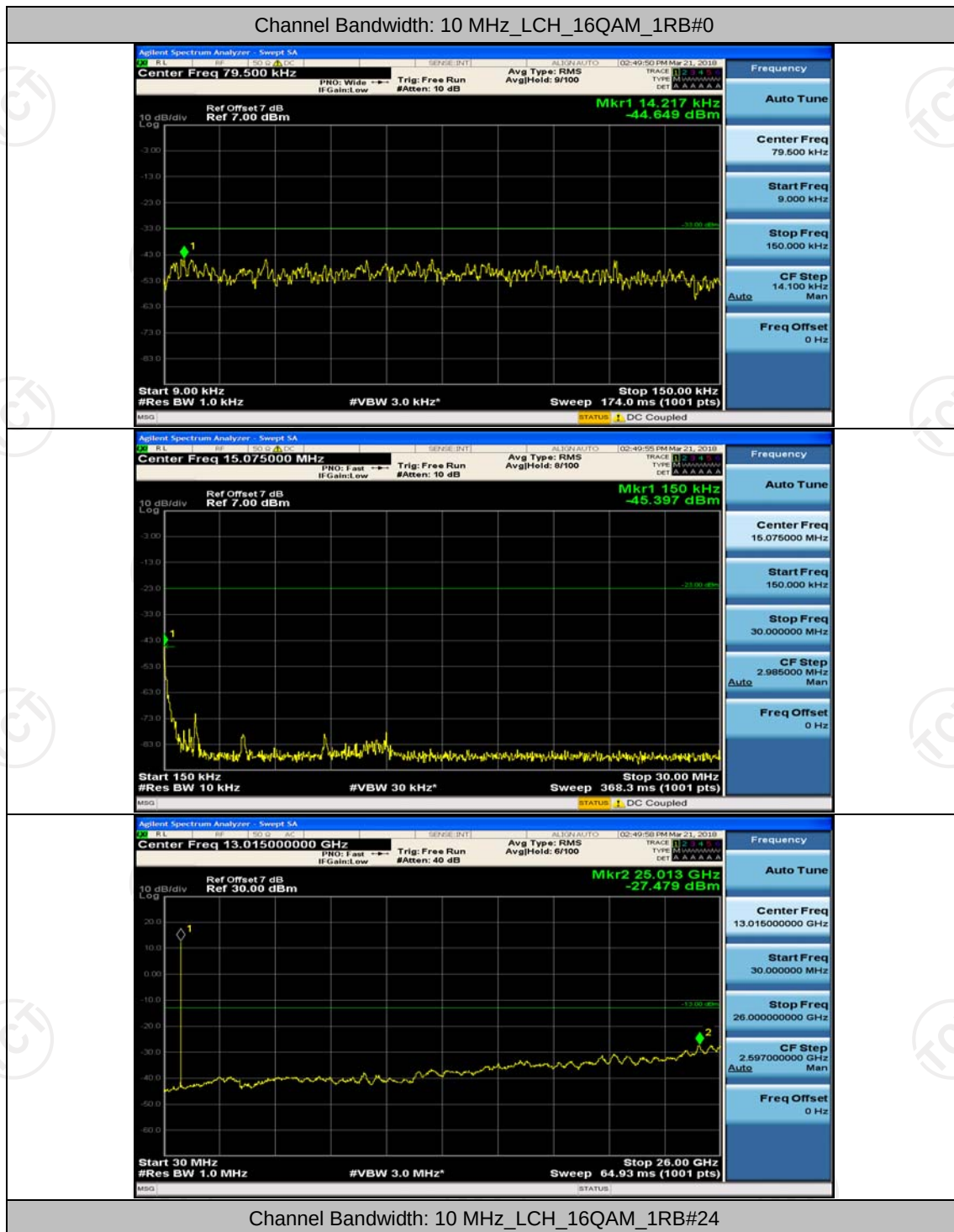


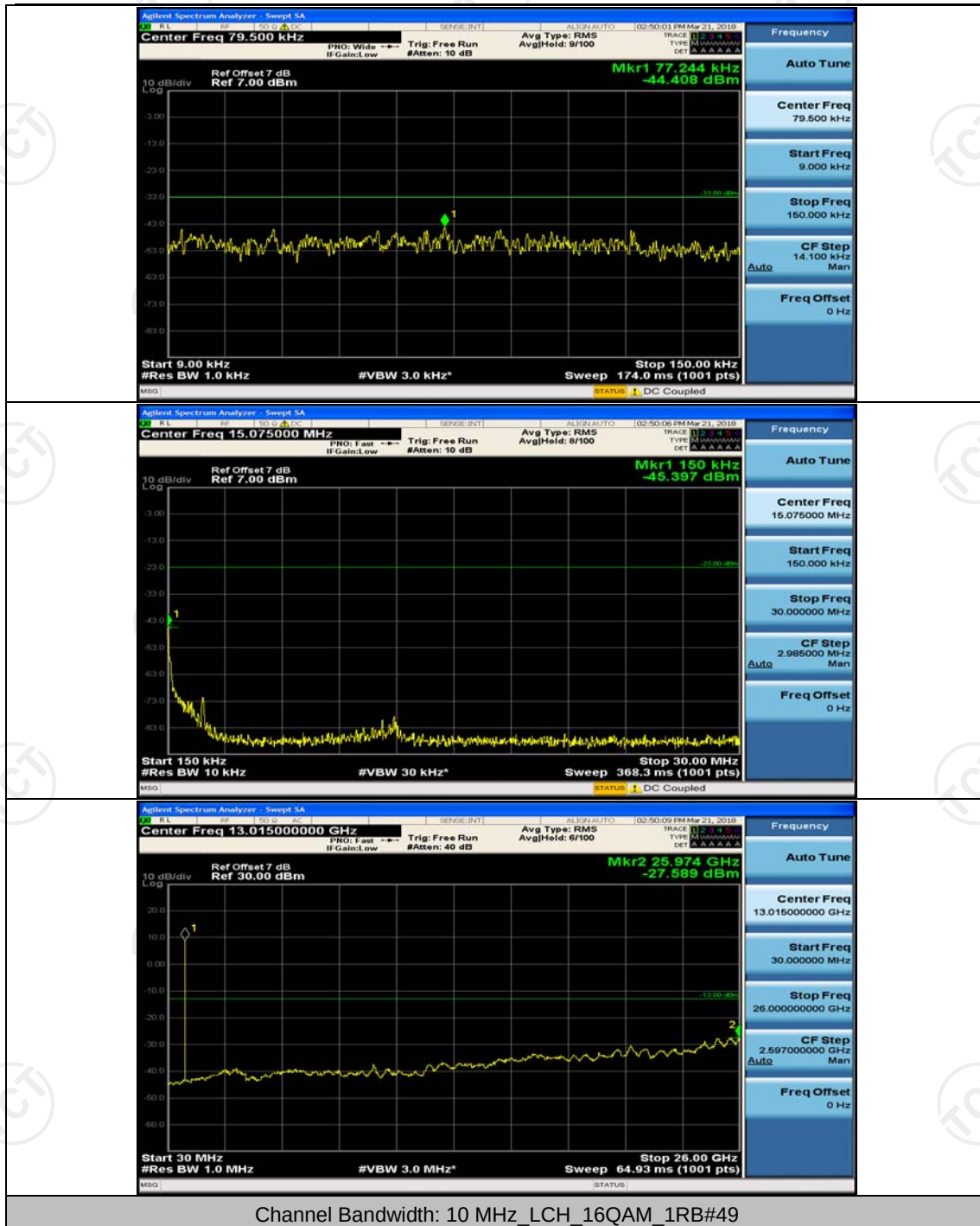


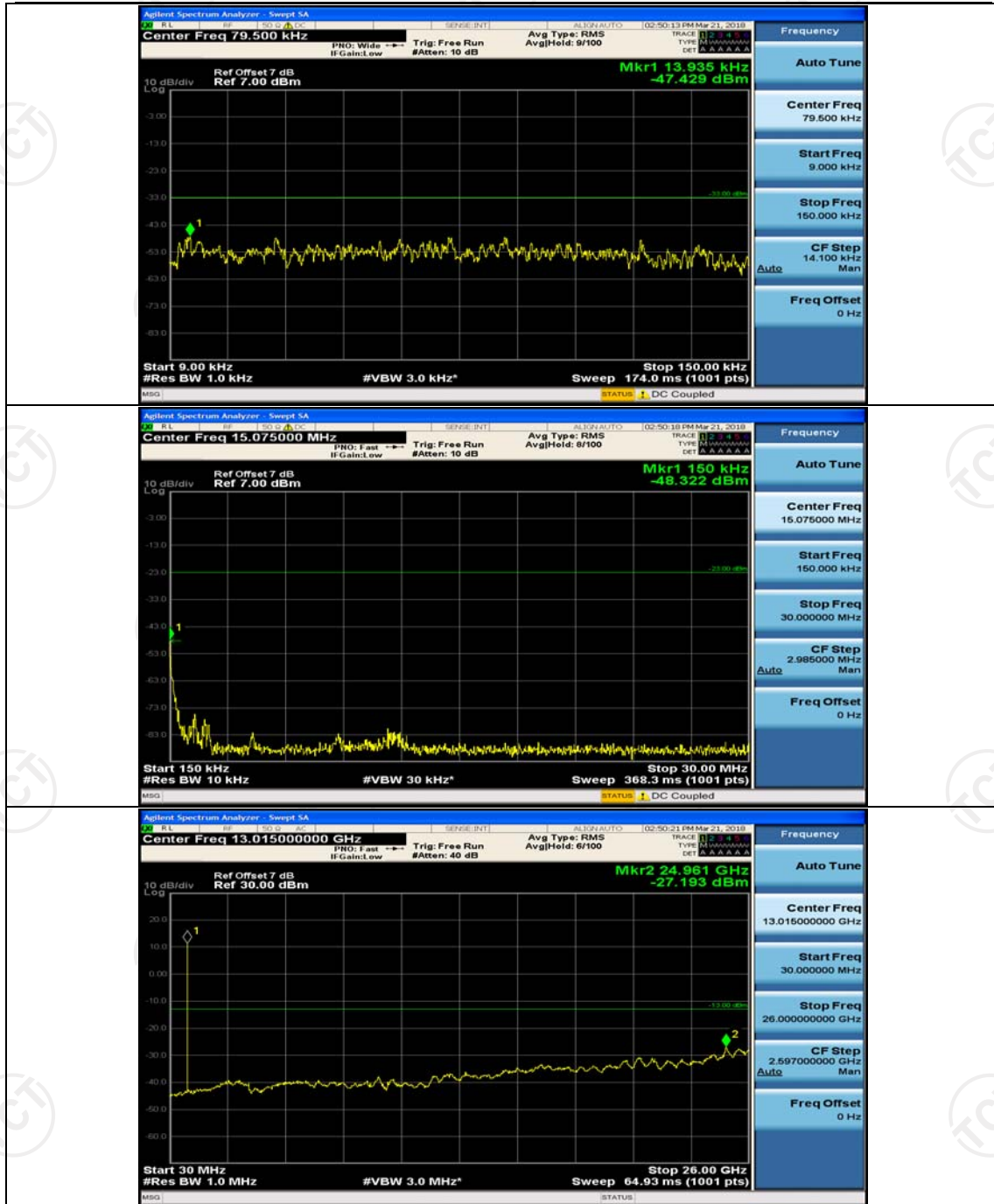


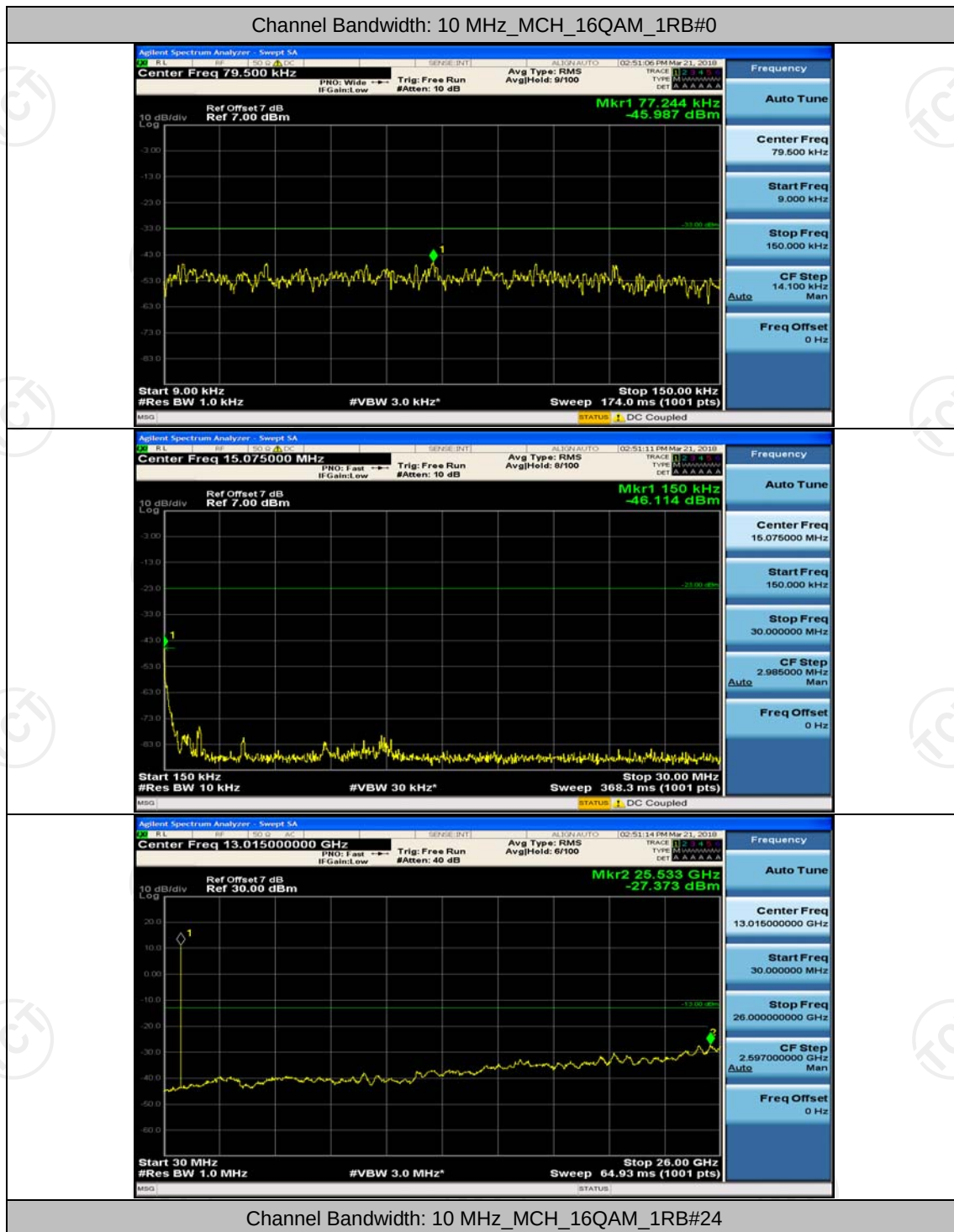


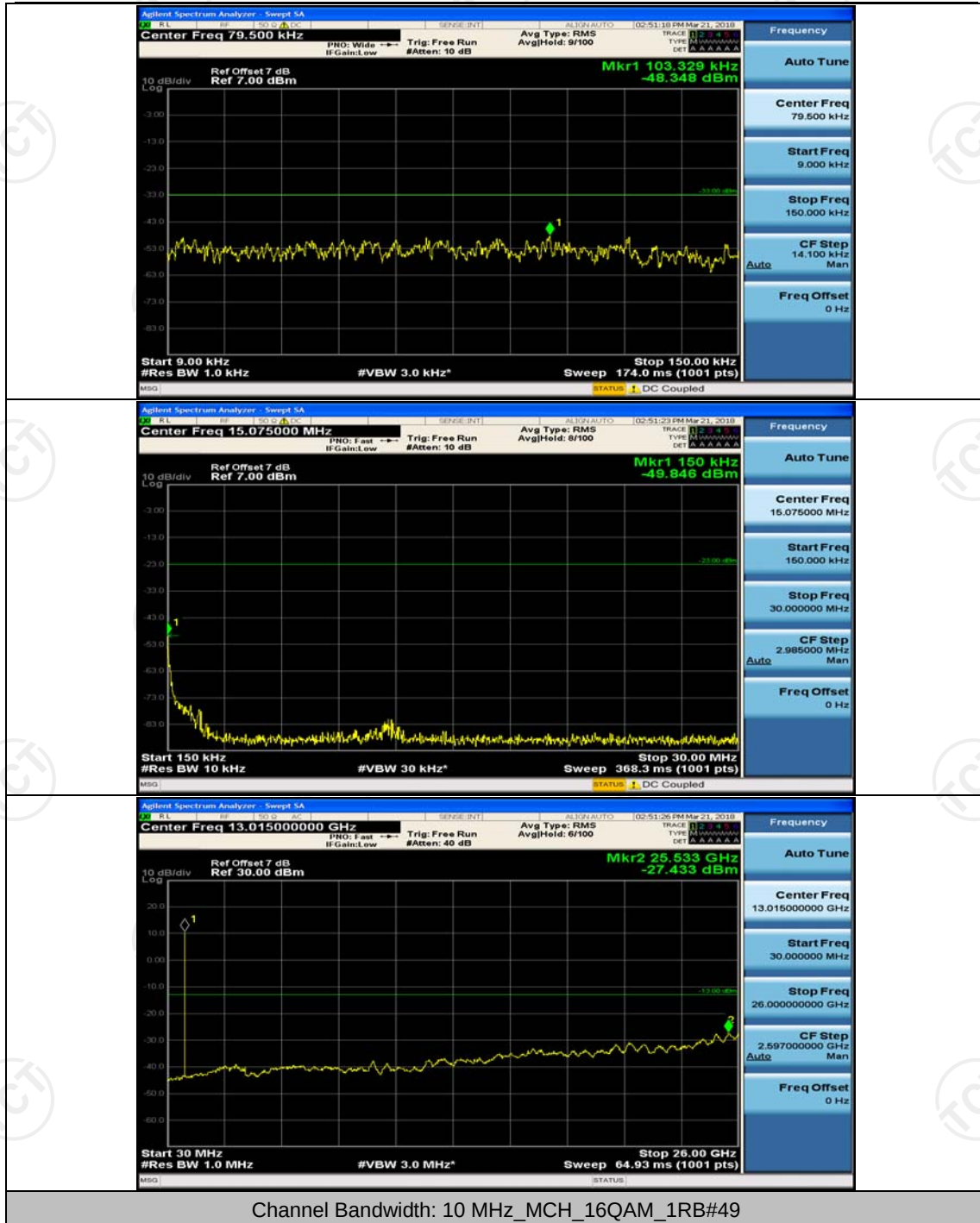


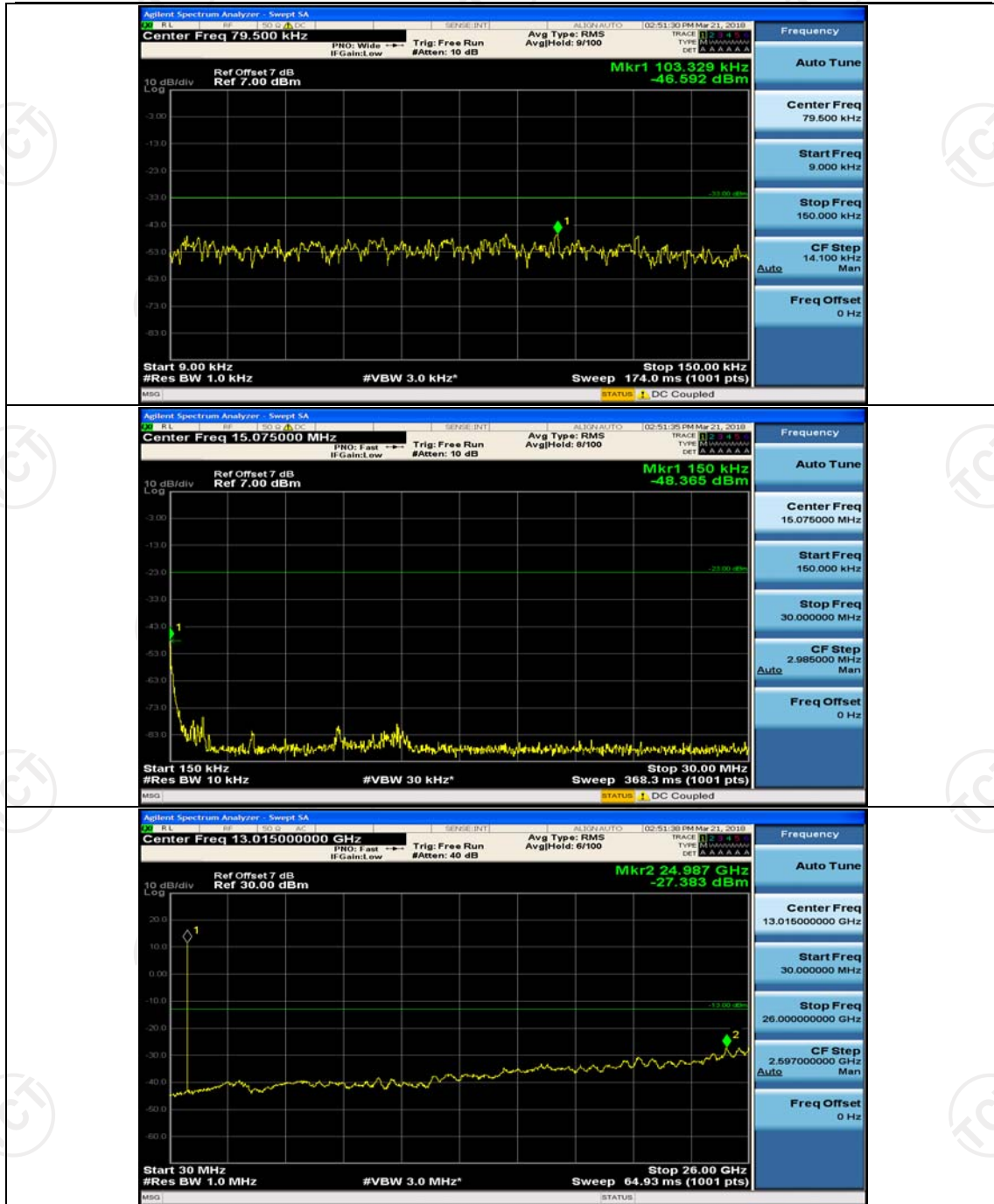




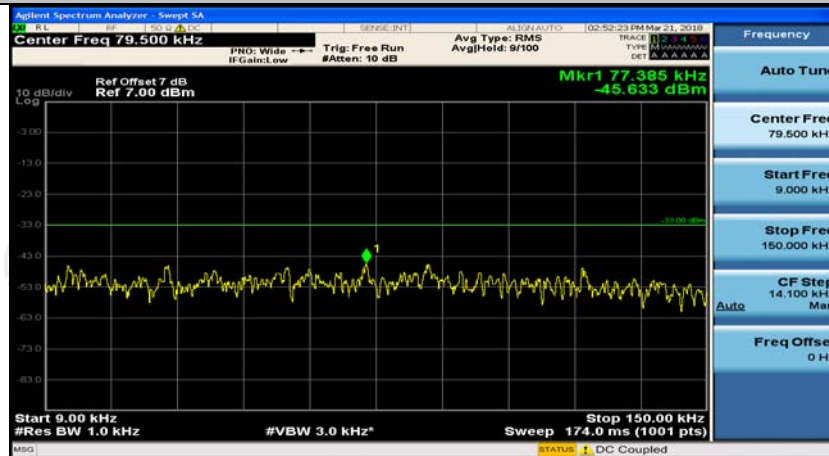




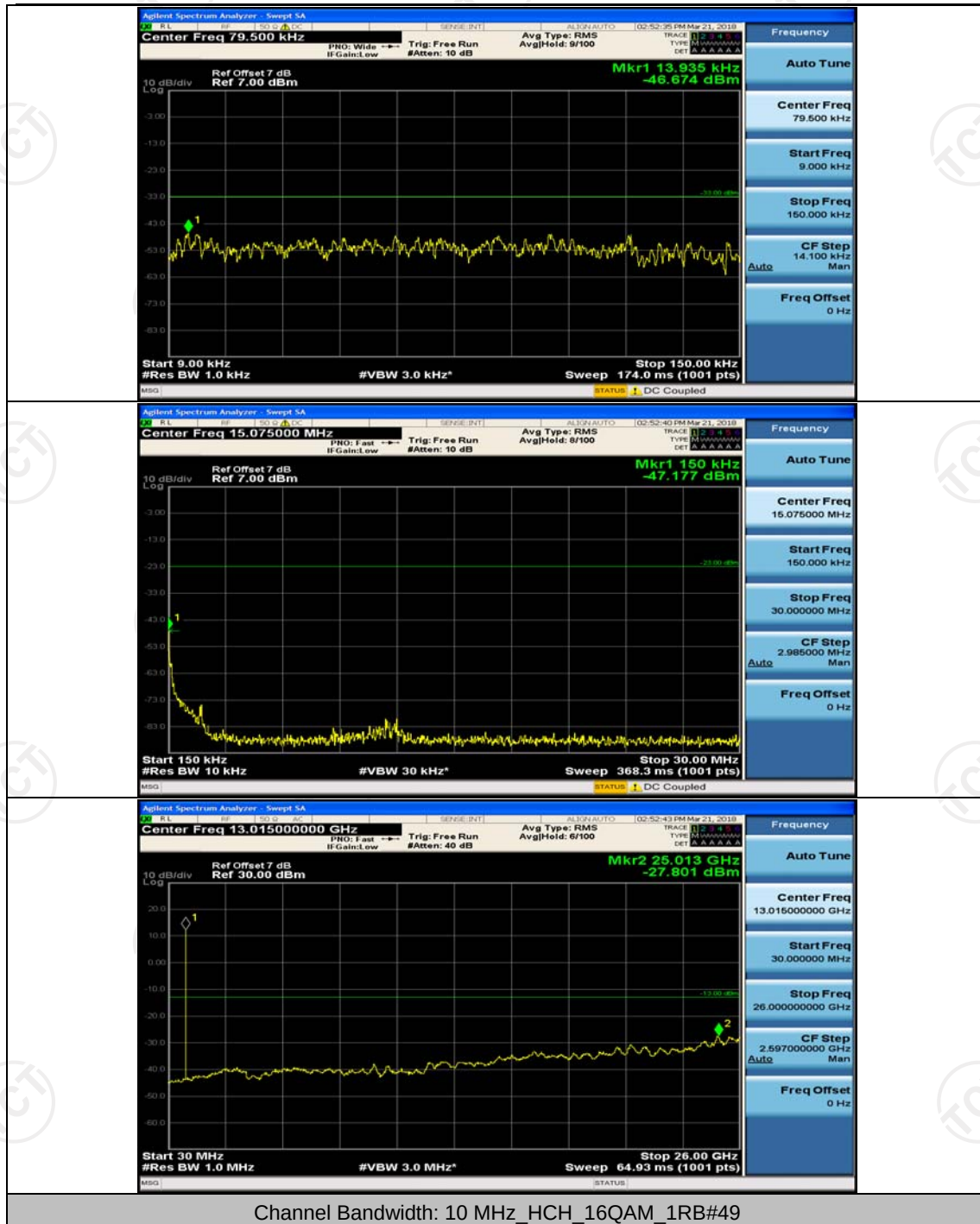


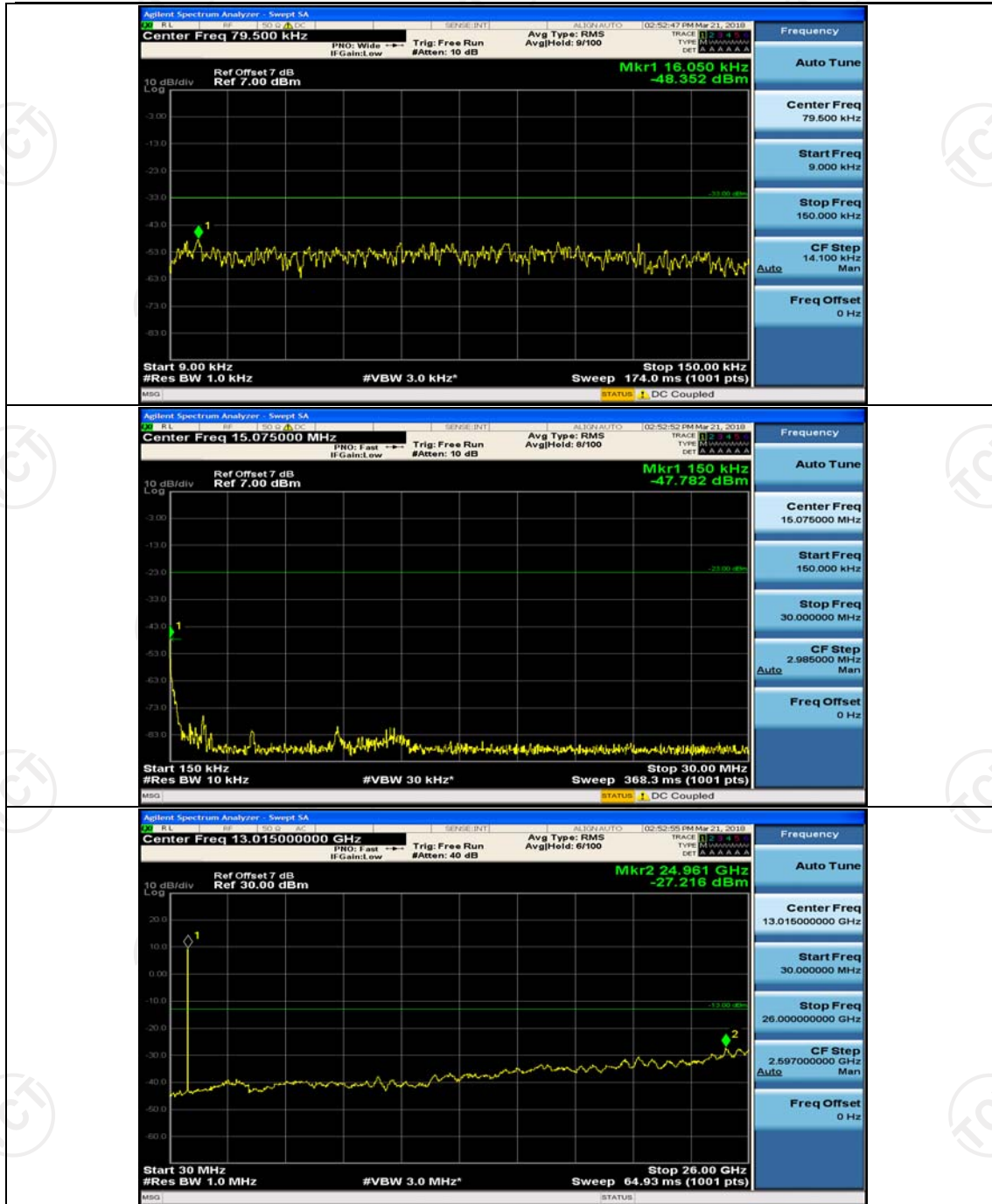


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





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	3.5	25	-0.001127	± 2.5	PASS
		3.7	25	-0.003712	± 2.5	PASS
		4.2	25	-0.000136	± 2.5	PASS
	MCH	3.5	25	-0.001091	± 2.5	PASS
		3.7	25	-0.000855	± 2.5	PASS
		4.2	25	0.001015	± 2.5	PASS
	HCH	3.5	25	0.000449	± 2.5	PASS
		3.7	25	-0.000759	± 2.5	PASS
		4.2	25	0.000312	± 2.5	PASS
16QAM	LCH	3.5	25	-0.005720	± 2.5	PASS
		3.7	25	-0.003712	± 2.5	PASS
		4.2	25	-0.001163	± 2.5	PASS
	MCH	3.5	25	-0.002184	± 2.5	PASS
		3.7	25	-0.001043	± 2.5	PASS
		4.2	25	-0.002132	± 2.5	PASS
	HCH	3.5	25	-0.000778	± 2.5	PASS
		3.7	25	0.000371	± 2.5	PASS
		4.2	25	-0.000691	± 2.5	PASS
Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-0.000104	± 2.5	PASS
		3.7	-20	-0.001196	± 2.5	PASS
		3.7	-10	0.000416	± 2.5	PASS
		3.7	0	-0.000936	± 2.5	PASS
		3.7	10	-0.000892	± 2.5	PASS
		3.7	20	-0.002741	± 2.5	PASS
		3.7	30	-0.002411	± 2.5	PASS
		3.7	40	-0.001960	± 2.5	PASS
		3.7	50	-0.001561	± 2.5	PASS
	MCH	3.7	-30	-0.001248	± 2.5	PASS
		3.7	-20	-0.000479	± 2.5	PASS
		3.7	-10	-0.000496	± 2.5	PASS
		3.7	0	-0.000735	± 2.5	PASS

		3.7	10	-0.000731	± 2.5	PASS
		3.7	20	-0.001419	± 2.5	PASS
		3.7	30	-0.001590	± 2.5	PASS
		3.7	40	-0.000701	± 2.5	PASS
		3.7	50	-0.000274	± 2.5	PASS
	HCH	3.7	-30	-0.001806	± 2.5	PASS
		3.7	-20	-0.001772	± 2.5	PASS
		3.7	-10	-0.002026	± 2.5	PASS
		3.7	0	-0.000608	± 2.5	PASS
		3.7	10	0.000136	± 2.5	PASS
		3.7	20	-0.000691	± 2.5	PASS
		3.7	30	-0.000472	± 2.5	PASS
		3.7	40	-0.000185	± 2.5	PASS
		3.7	50	-0.000927	± 2.5	PASS
		3.7	-30	-0.000849	± 2.5	PASS
16QAM	LCH	3.7	-20	-0.001144	± 2.5	PASS
		3.7	-10	-0.000918	± 2.5	PASS
		3.7	0	-0.001230	± 2.5	PASS
		3.7	10	-0.001340	± 2.5	PASS
		3.7	20	-0.003400	± 2.5	PASS
		3.7	30	-0.004406	± 2.5	PASS
		3.7	40	-0.003781	± 2.5	PASS
		3.7	50	-0.000954	± 2.5	PASS
	MCH	3.7	-30	-0.000701	± 2.5	PASS
		3.7	-20	-0.001676	± 2.5	PASS
		3.7	-10	-0.000393	± 2.5	PASS
		3.7	0	-0.001300	± 2.5	PASS
		3.7	10	-0.000562	± 2.5	PASS
		3.7	20	-0.000752	± 2.5	PASS
		3.7	30	-0.001368	± 2.5	PASS
		3.7	40	-0.000530	± 2.5	PASS
		3.7	50	-0.001488	± 2.5	PASS
	HCH	3.7	-30	-0.002059	± 2.5	PASS
		3.7	-20	-0.002110	± 2.5	PASS
		3.7	-10	-0.001485	± 2.5	PASS
		3.7	0	-0.001941	± 2.5	PASS
		3.7	10	-0.000541	± 2.5	PASS
		3.7	20	-0.000067	± 2.5	PASS
		3.7	30	-0.000590	± 2.5	PASS
		3.7	40	0.000405	± 2.5	PASS
		3.7	50	0.000118	± 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	-40.48	-13.00	PASS
2474.1	V	-47.94		
-	V	-		
1649.4	Horizontal	-42.69		
2474.1	H	-48.19		
-	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	-41.74	-13.00	PASS
2509.5	V	-49.92		
-	V	-		
1673	Horizontal	-42.42		
2509.5	H	-48.90		
-	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	-41.26	-13.00	PASS
2538.9	V	-46.48		
-	V	-		
1692.6	Horizontal	-40.74		
2538.9	H	-47.90		

-	H	-	
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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	-40.95	-13.00	PASS
2474.1	V	-48.47		
-	V	-		
1649.4	Horizontal	-41.36		
2474.1	H	-46.18		
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	-48.47		
-	V	-		
1673	Horizontal	-41.94		
2509.5	H	-47.73		
-	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	-40.96	-13.00	PASS
2538.9	V	-46.17		
-	V	-		
1692.6	Horizontal	-41.51		
2538.9	H	-47.24		
-	H	-		

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