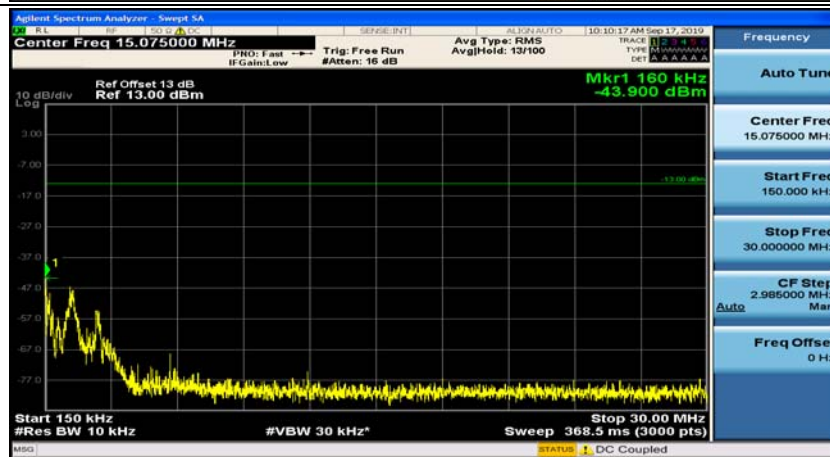
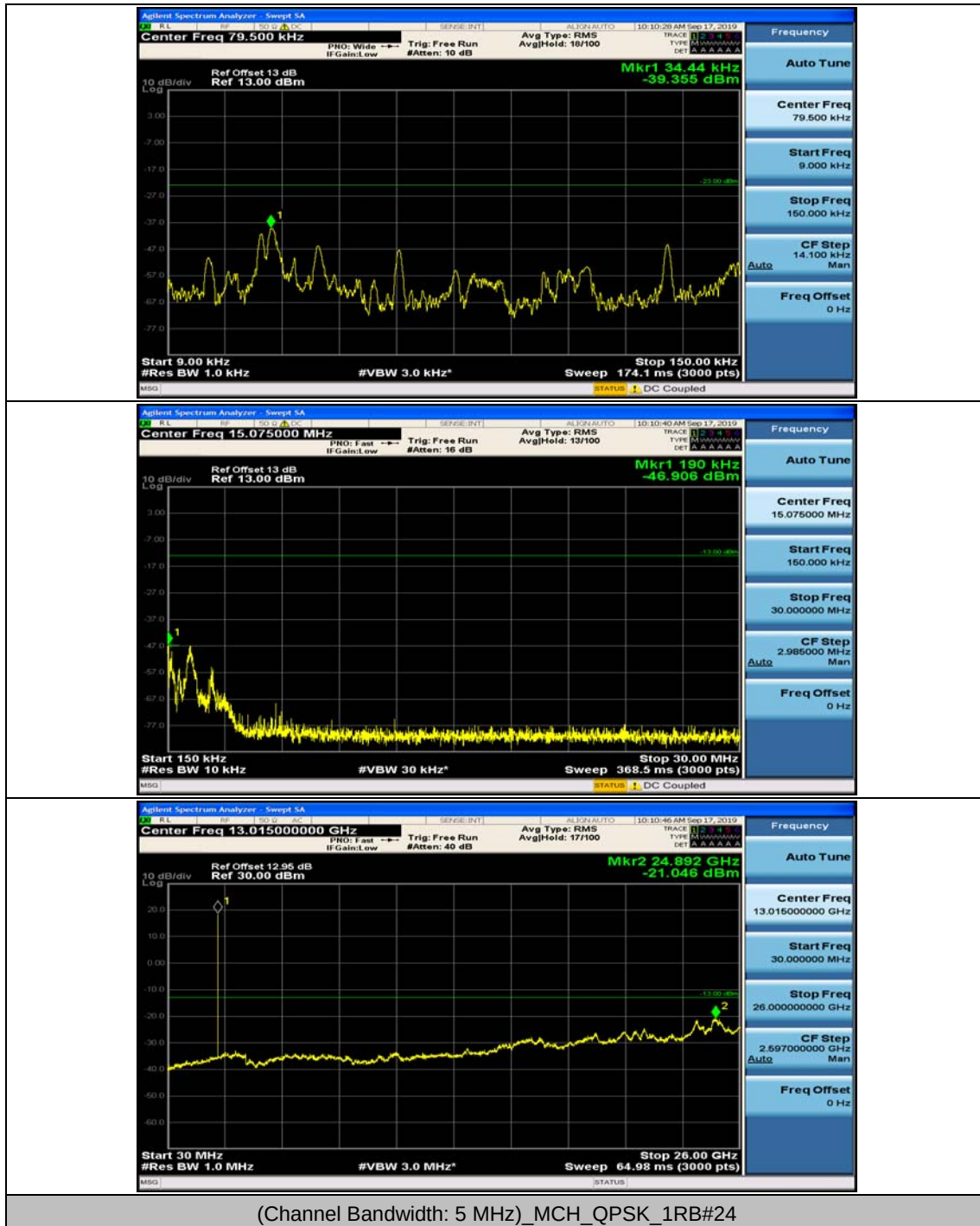
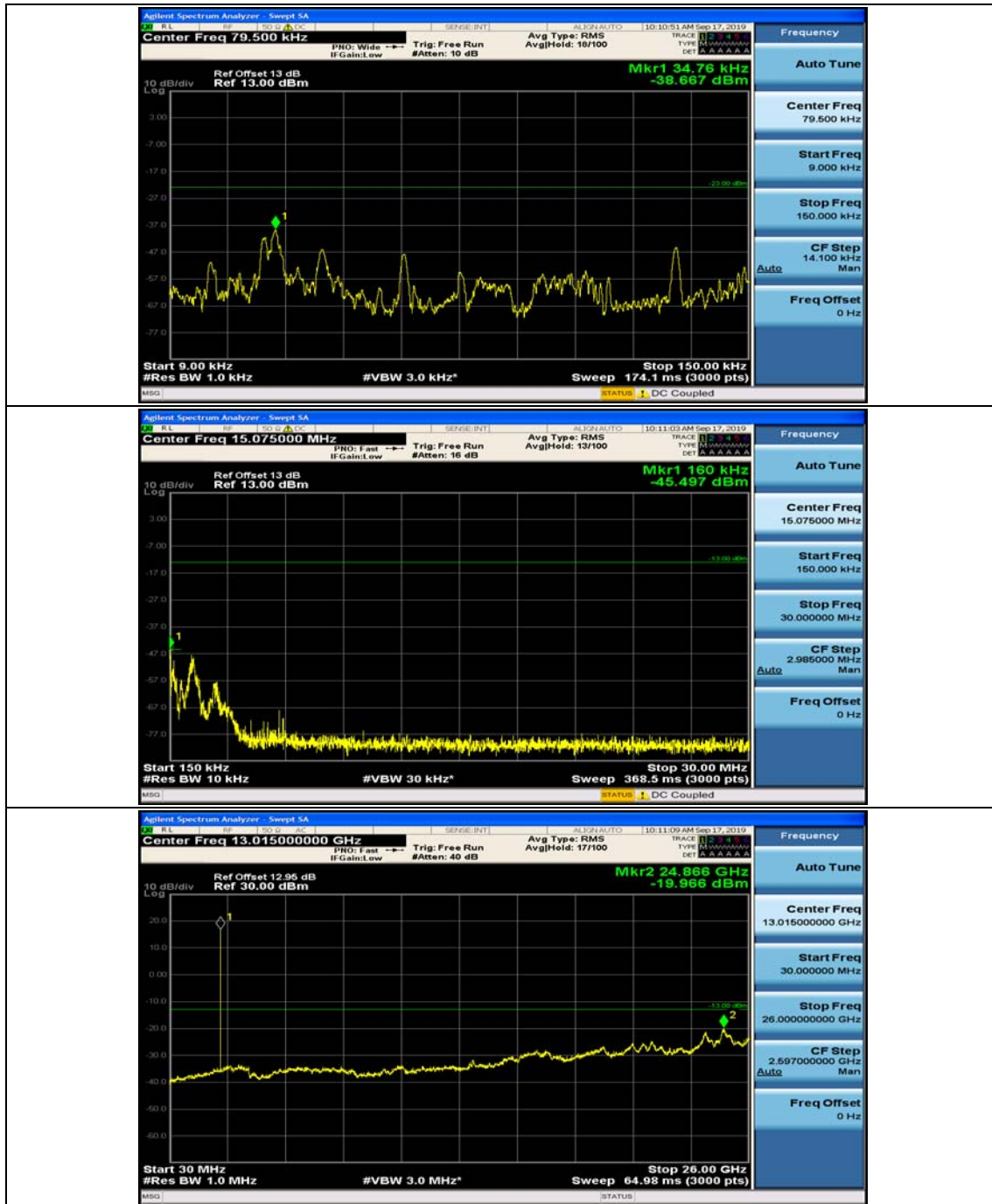


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

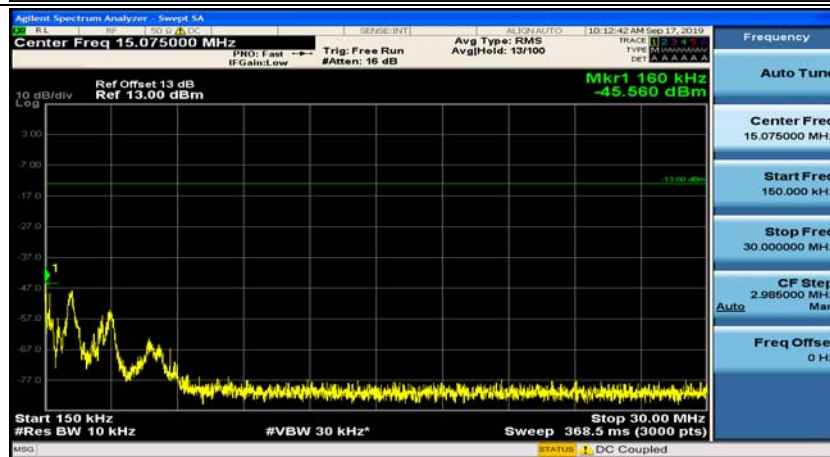


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

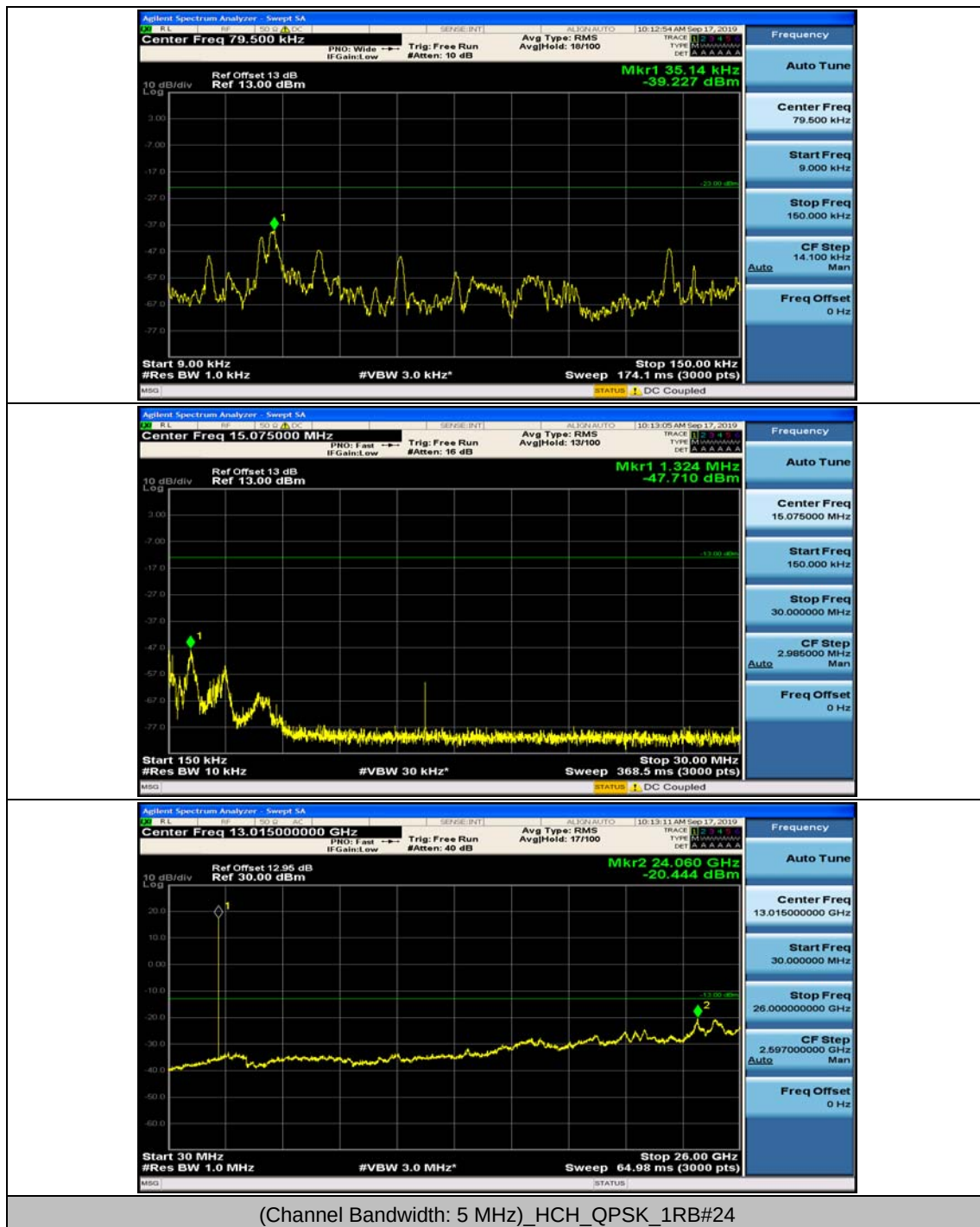


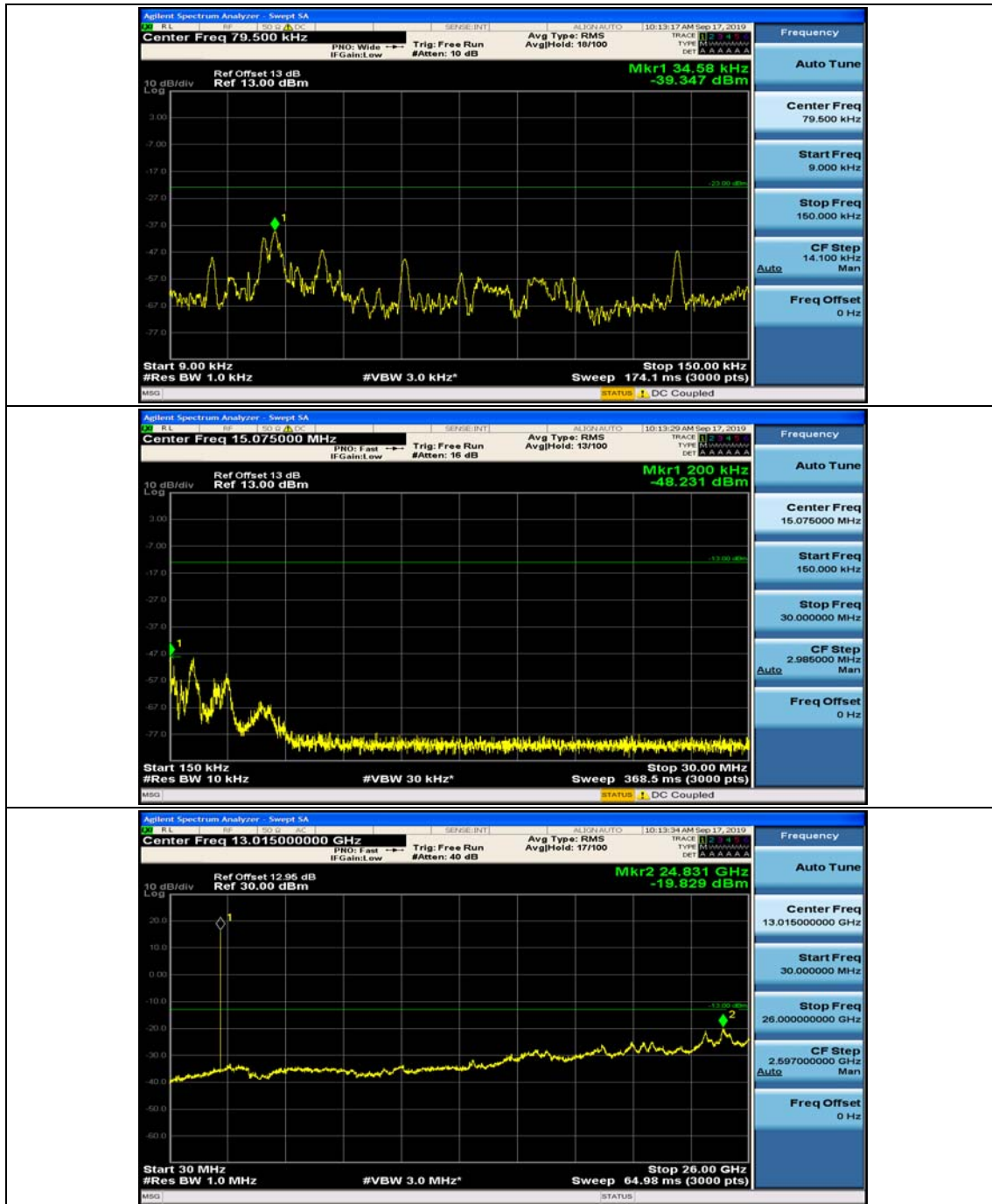


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

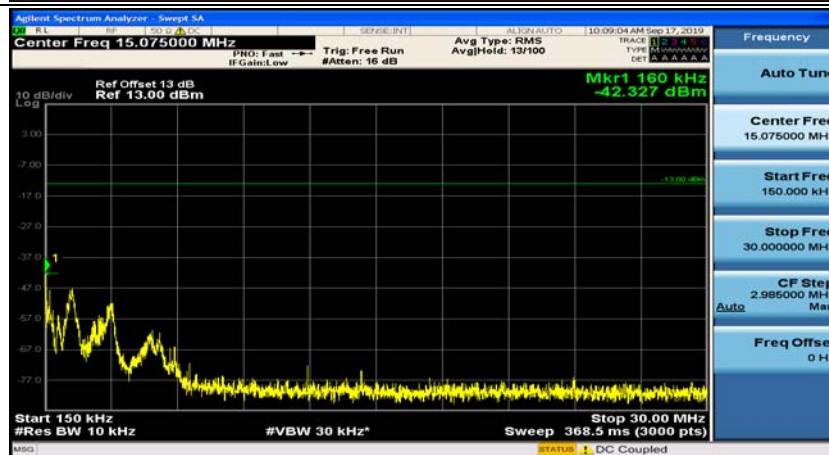


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

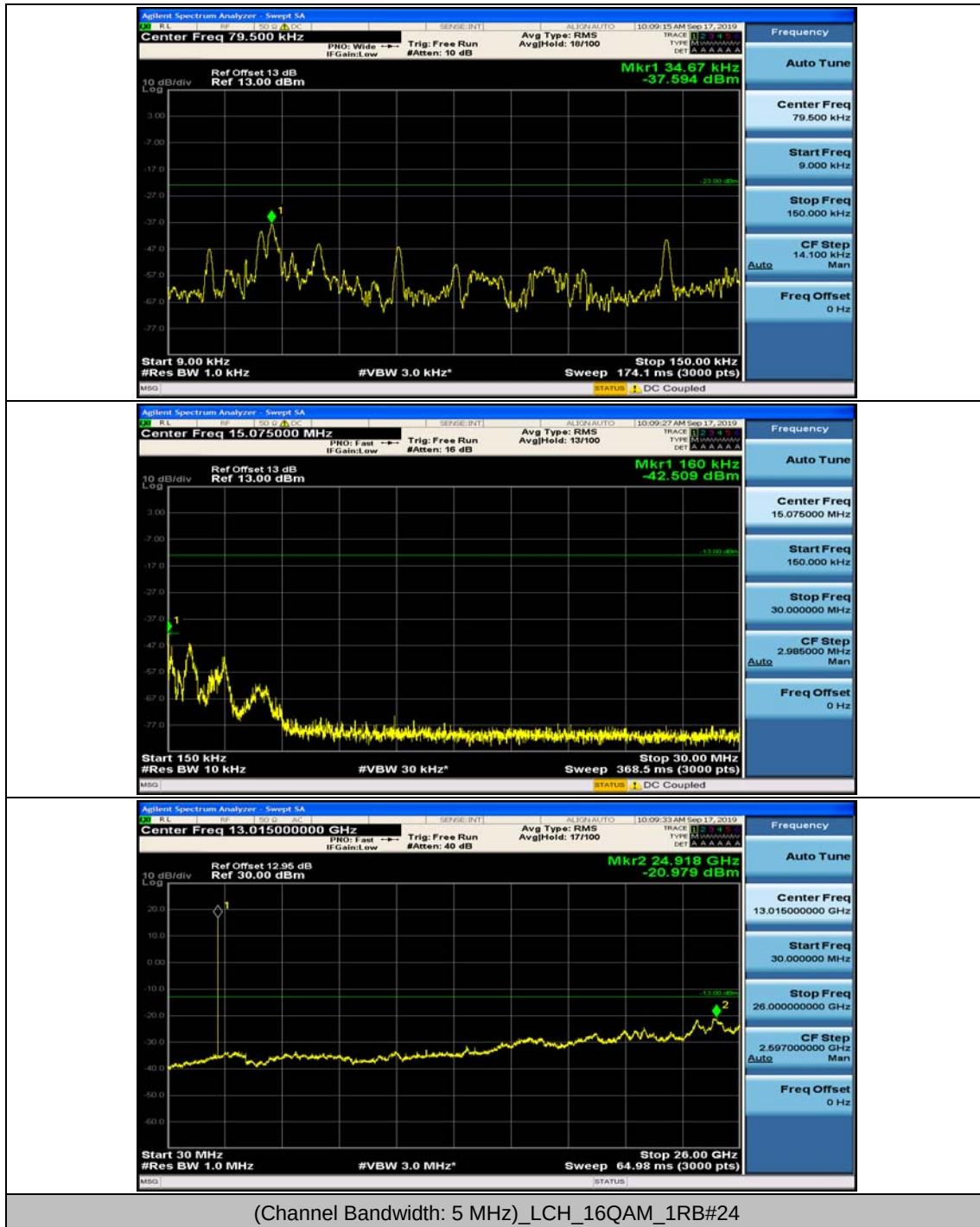


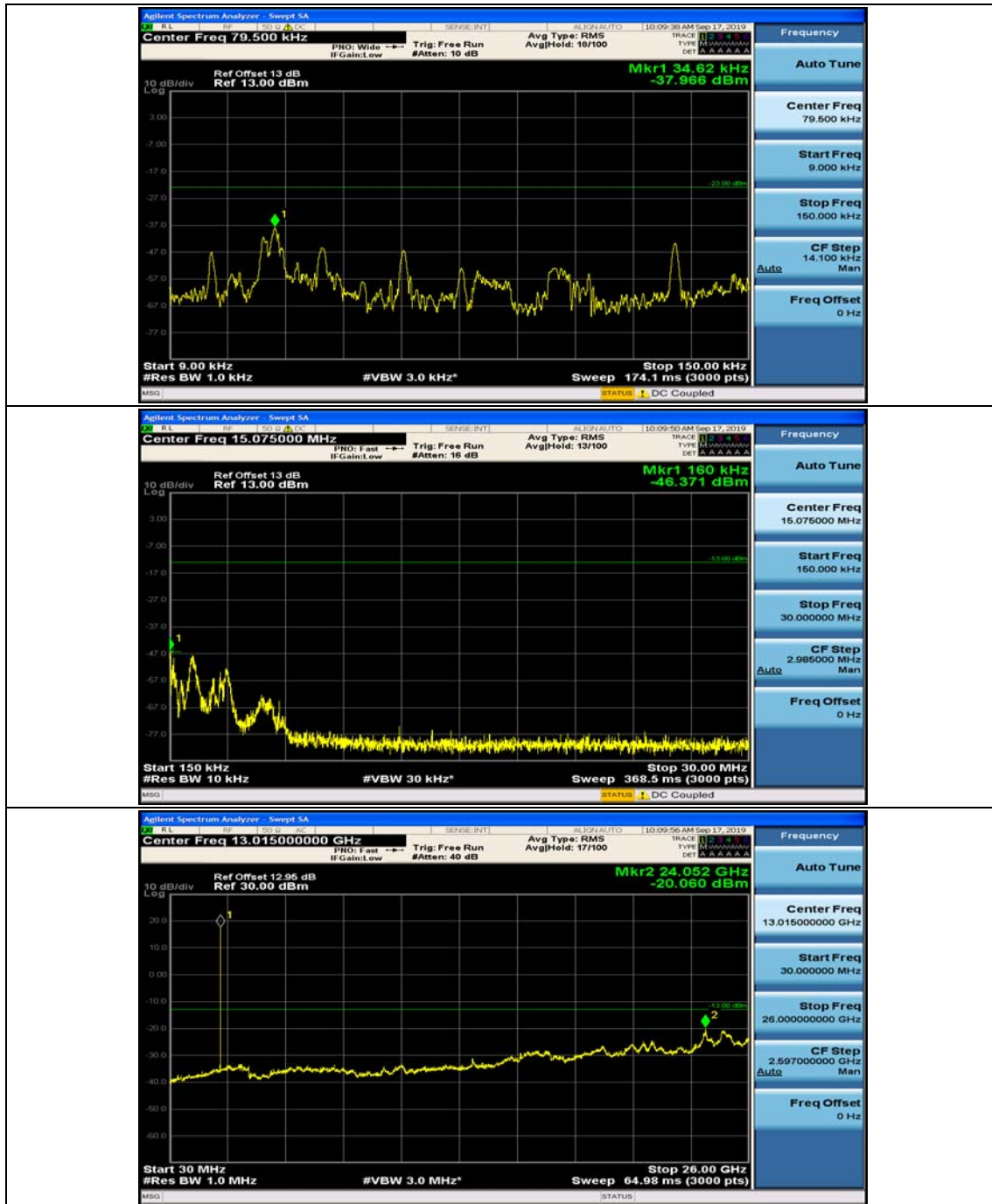


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

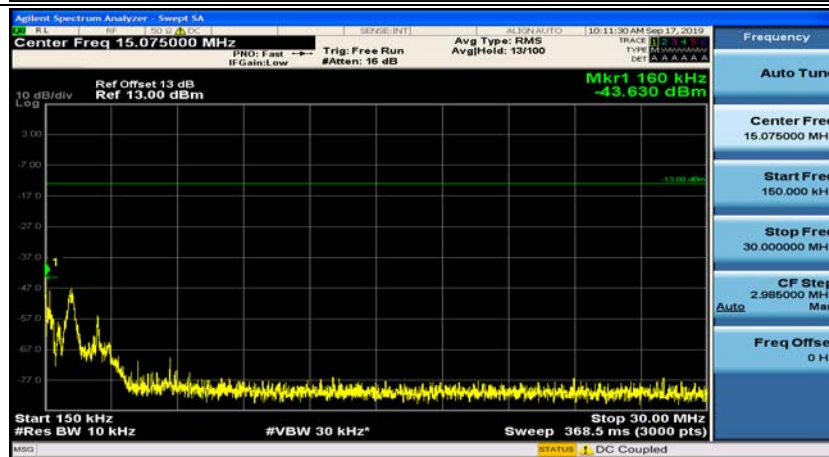


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

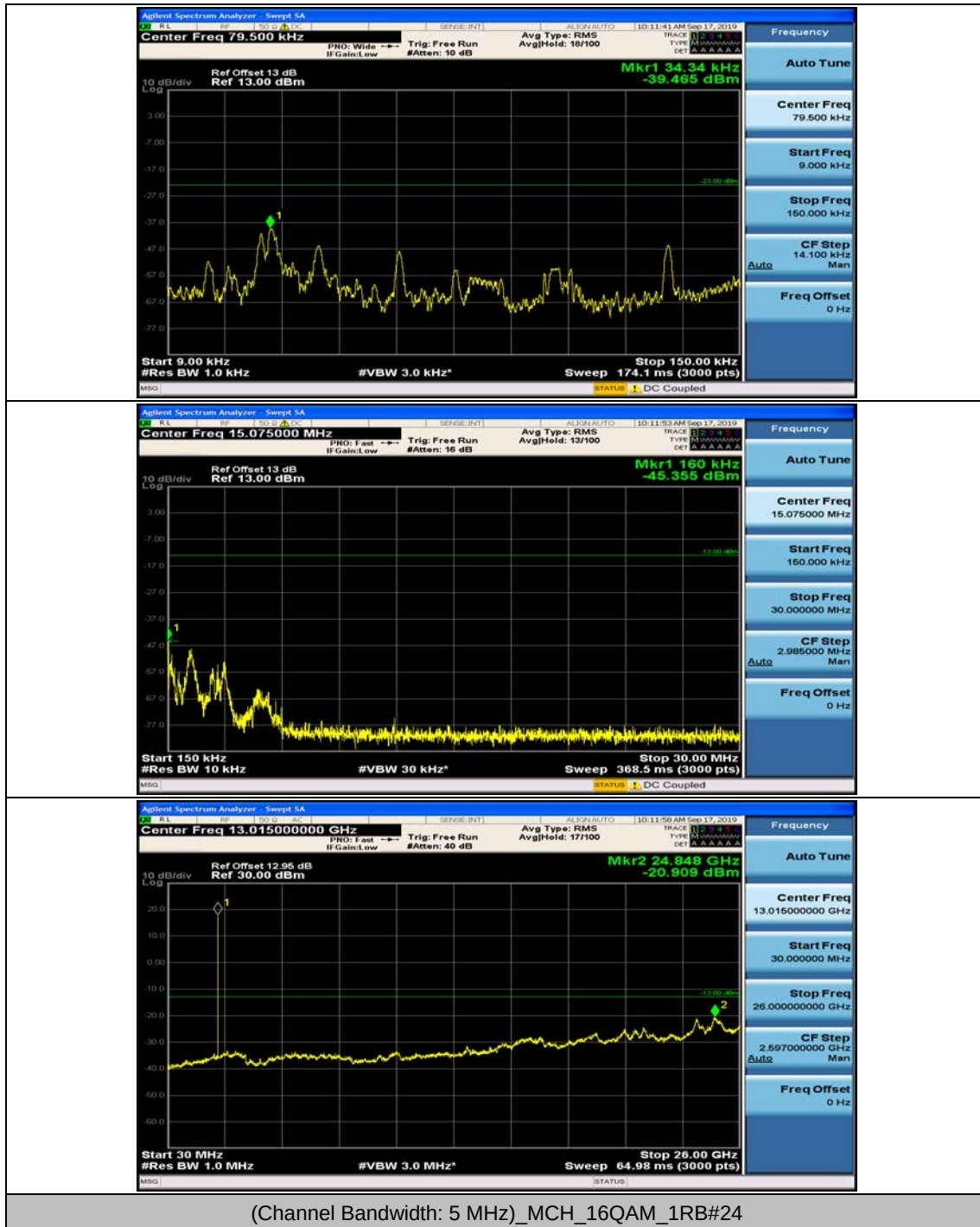


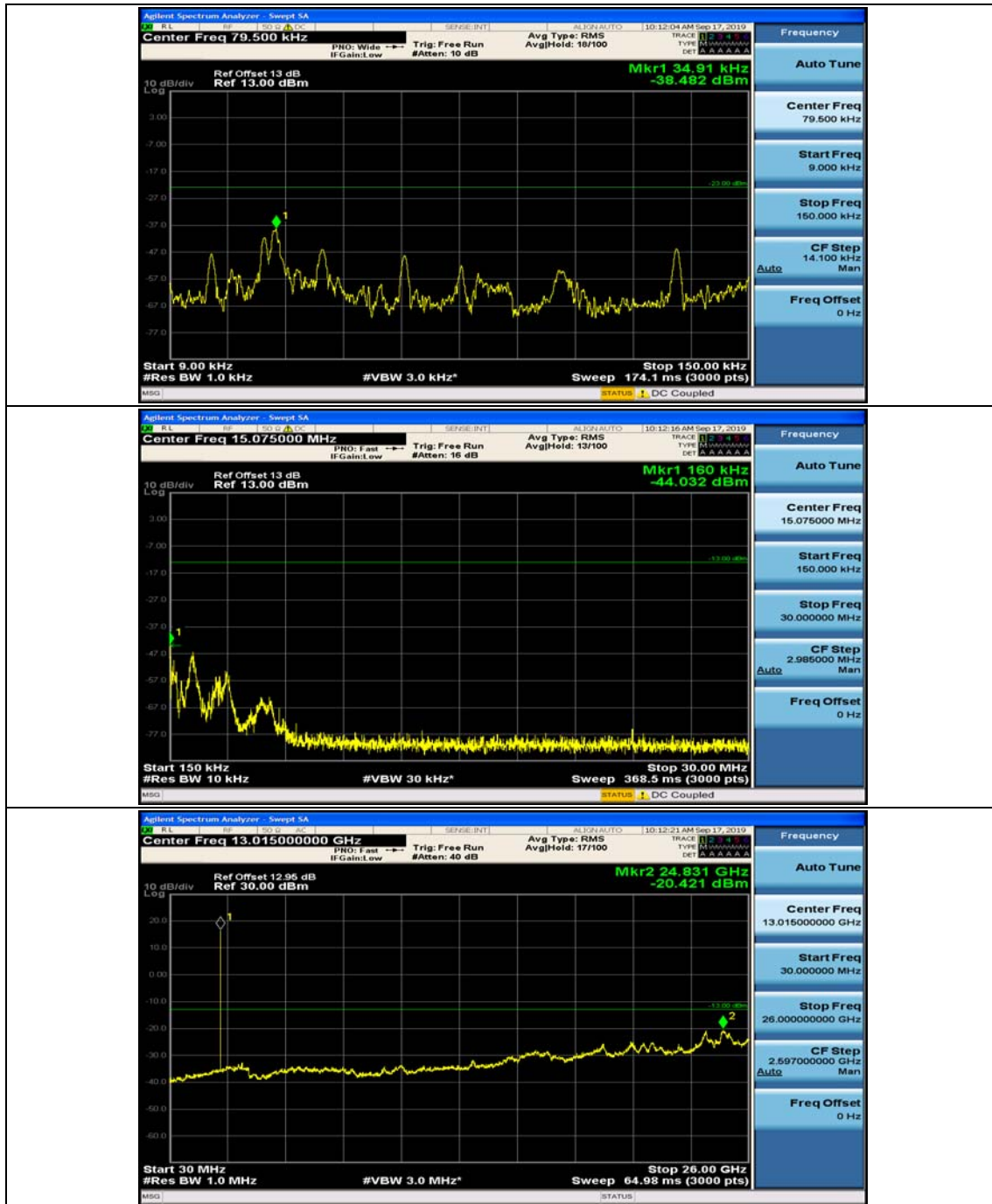


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

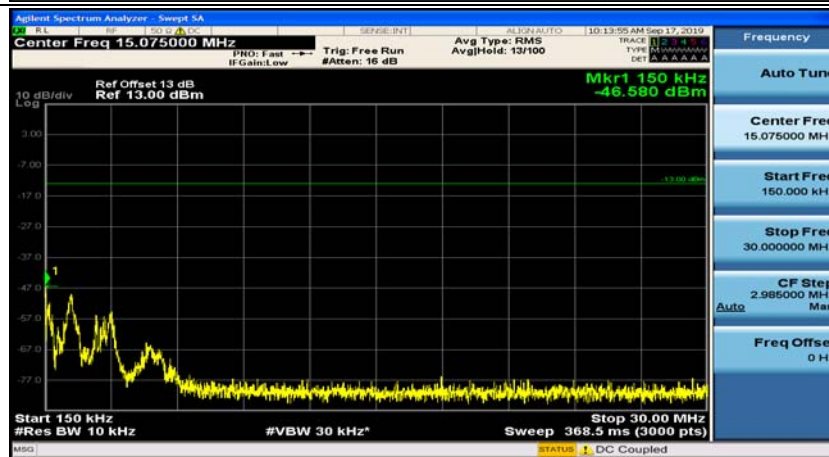


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

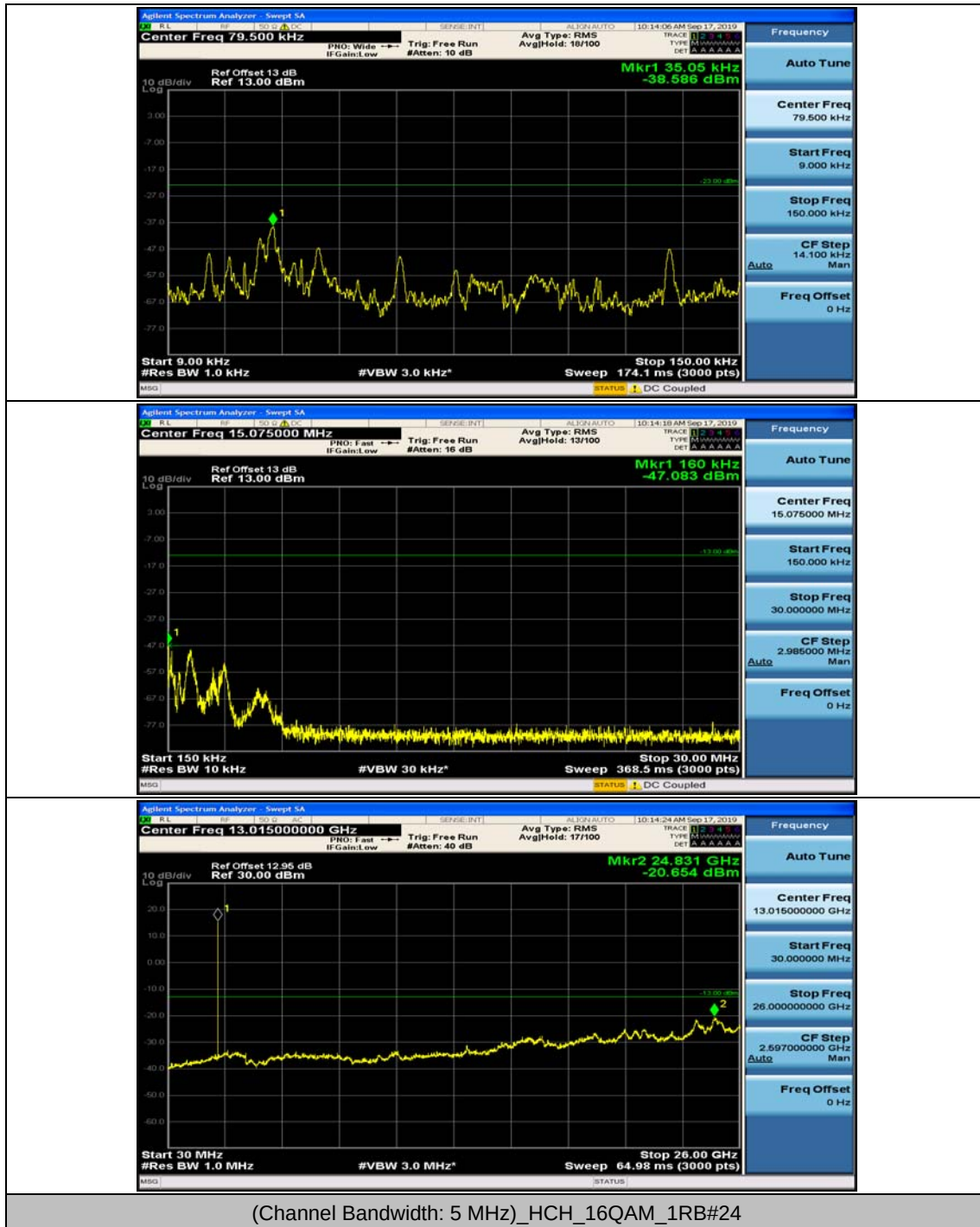


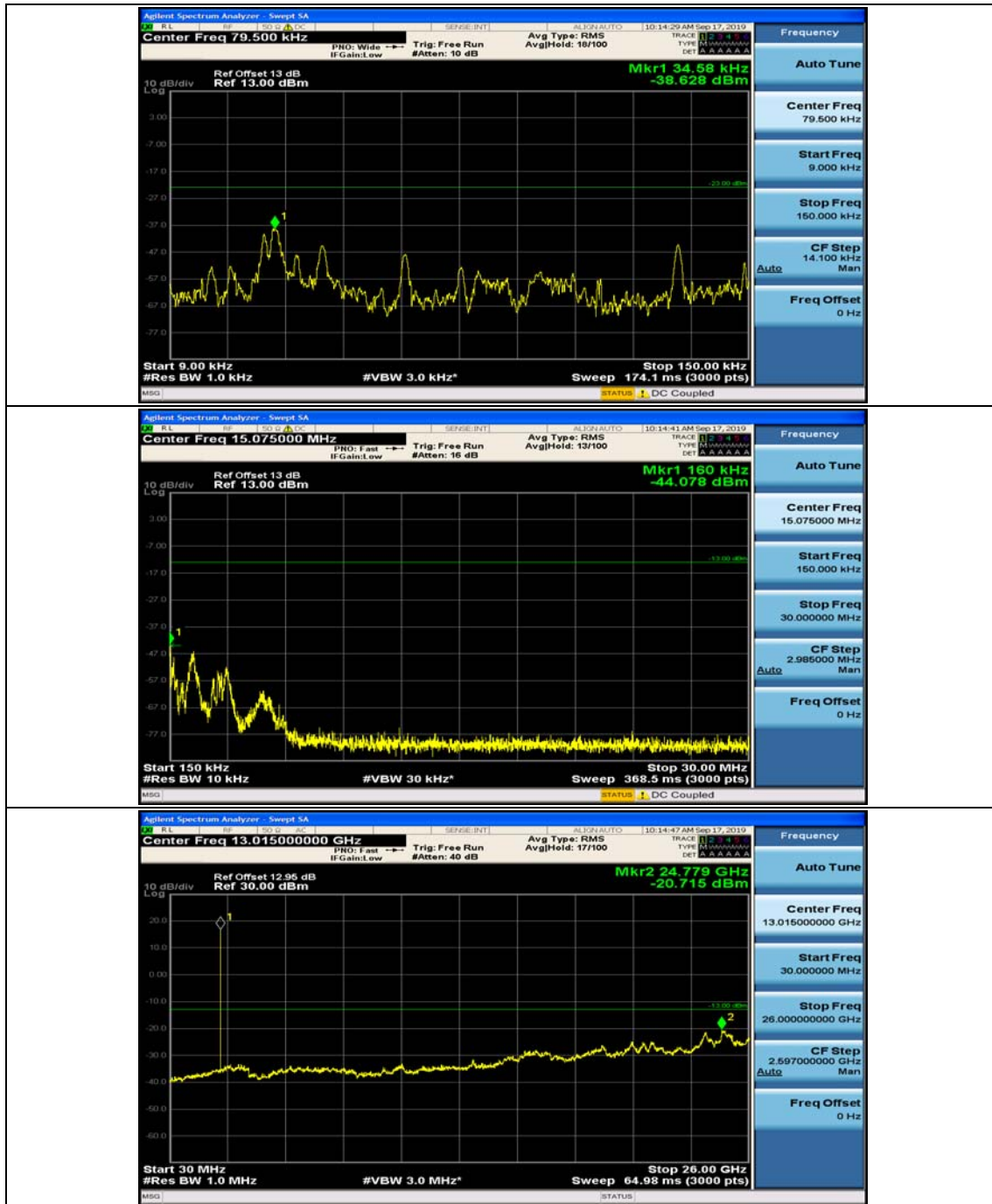


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

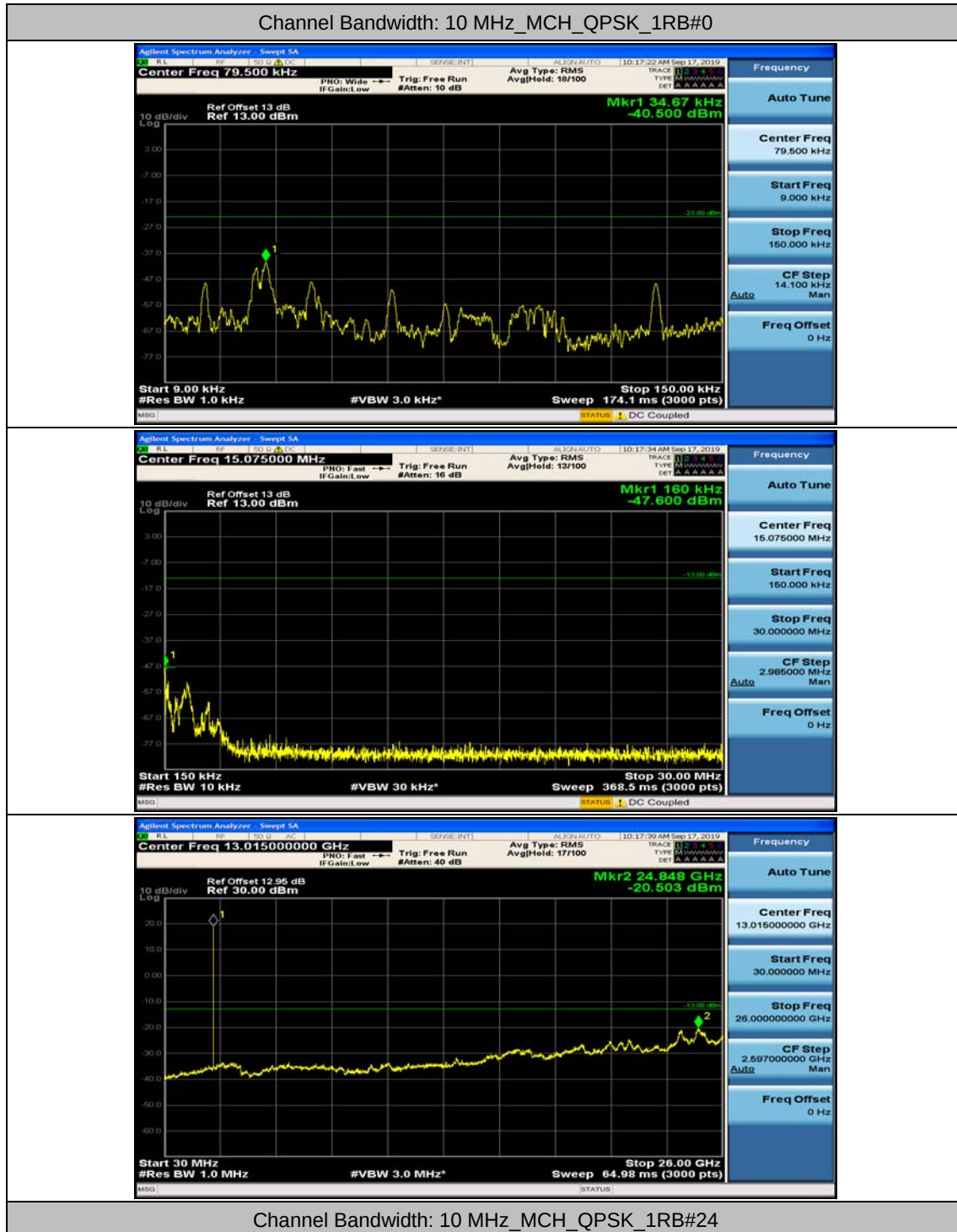


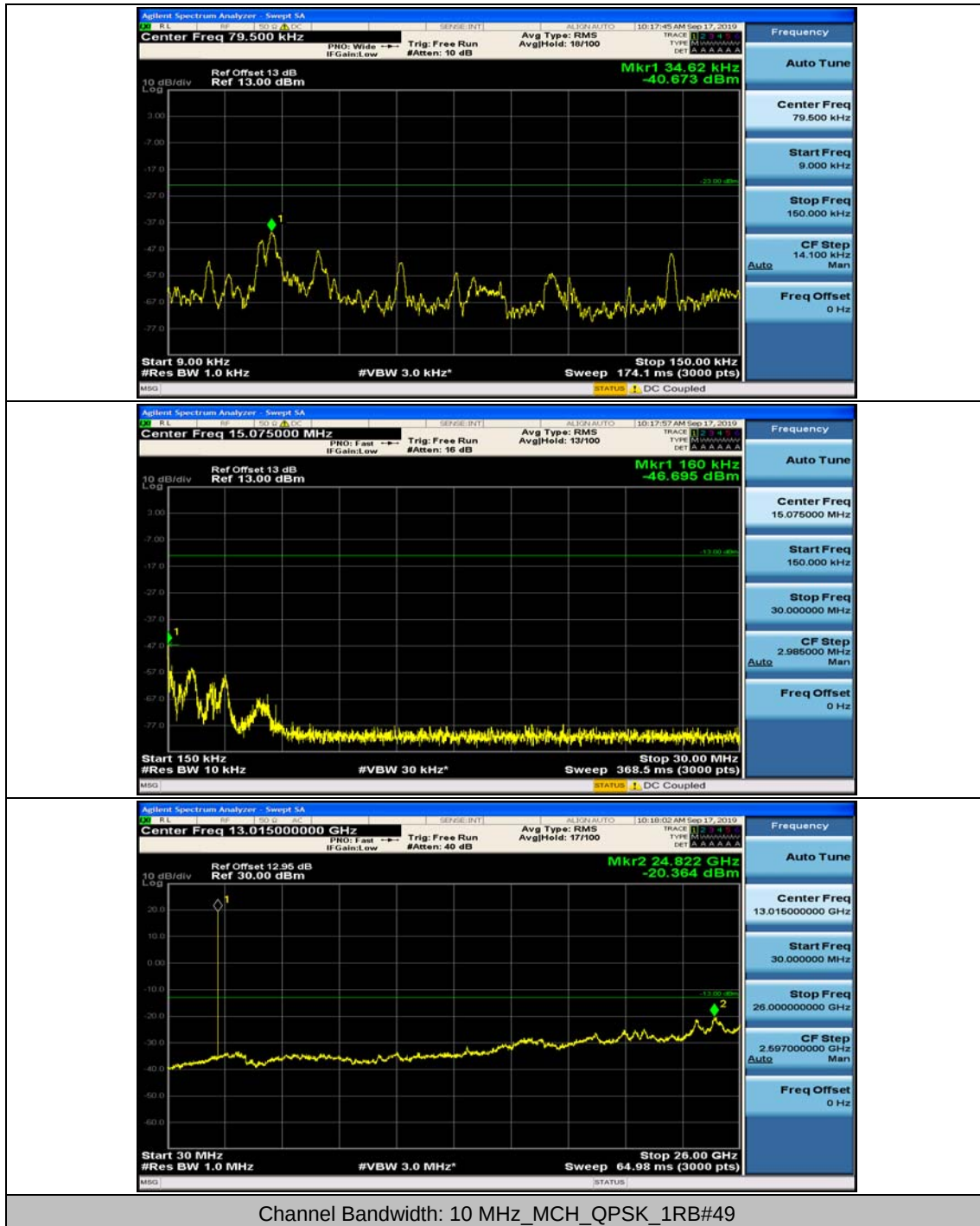
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

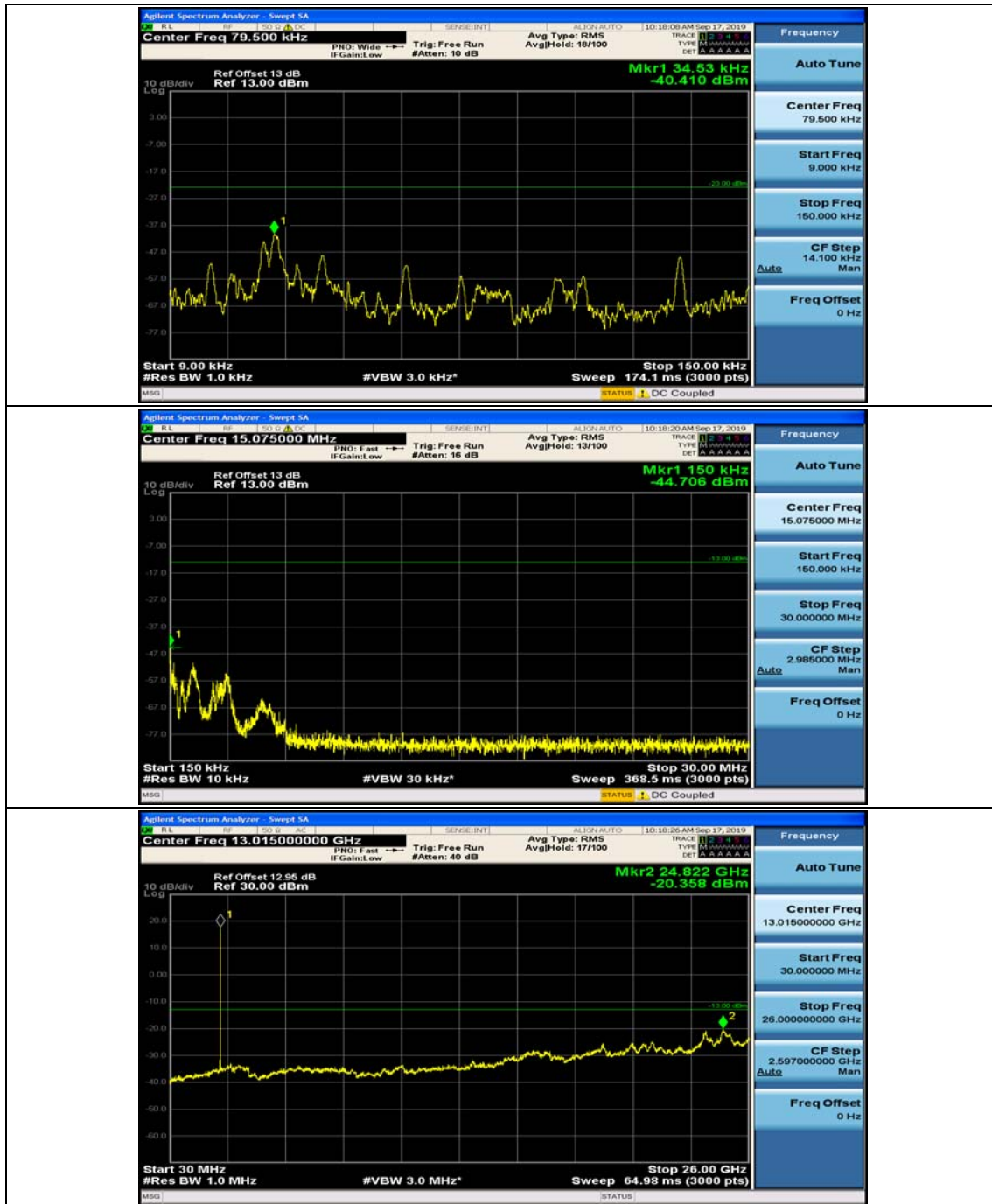




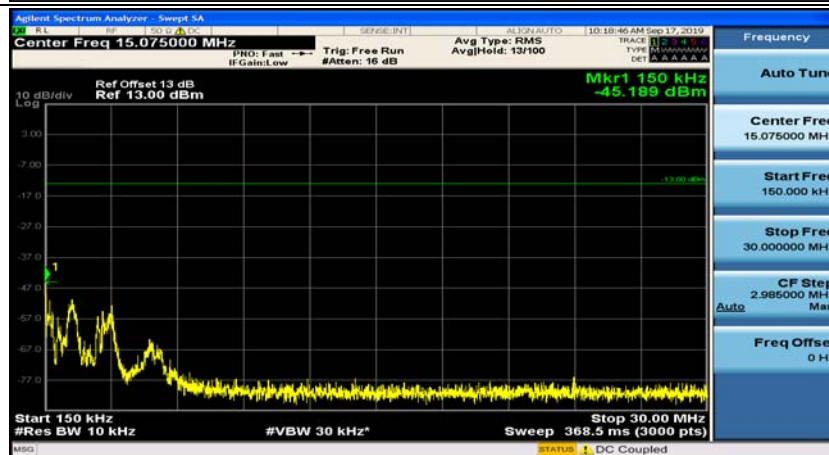
Channel Bandwidth: 10 MHz



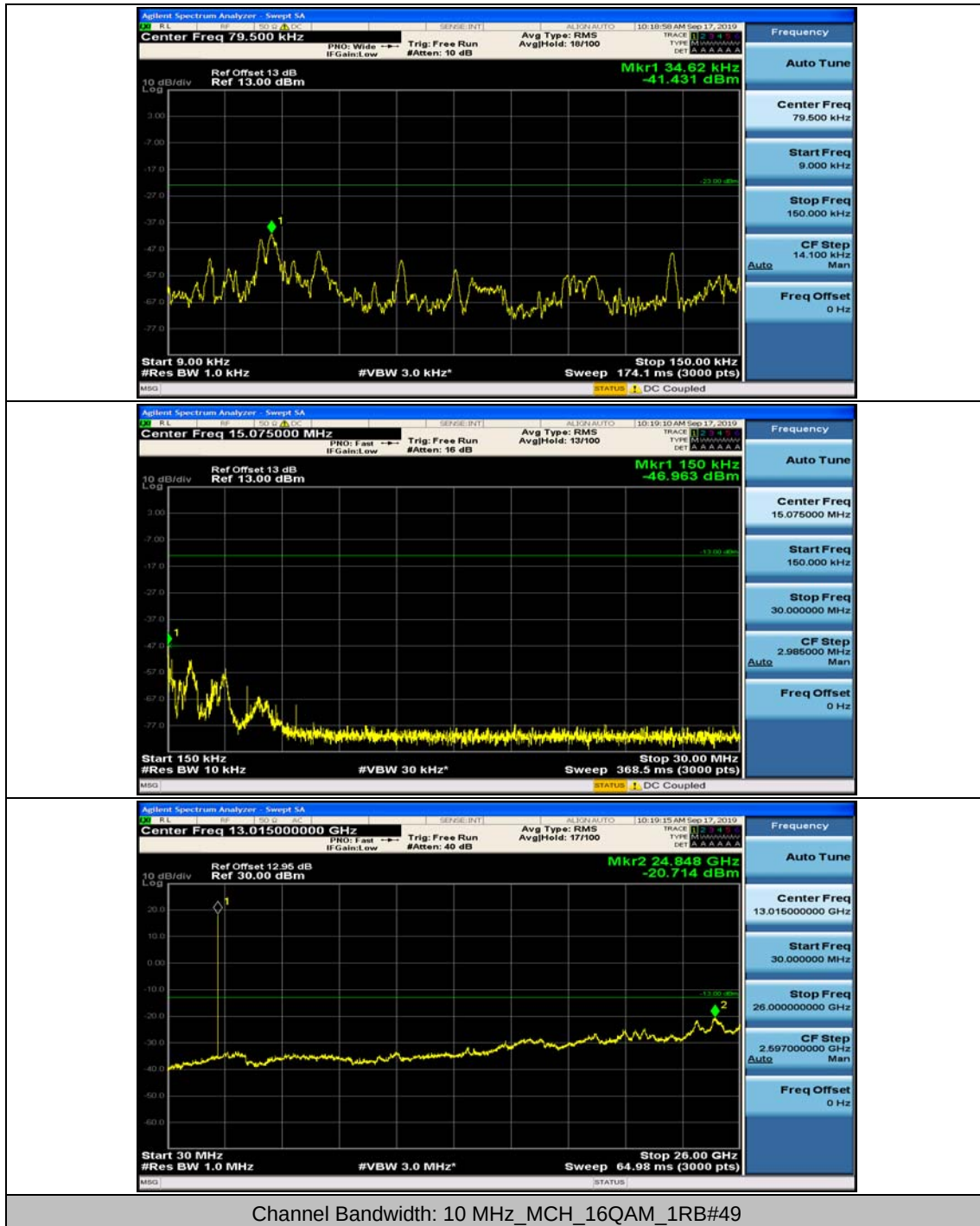


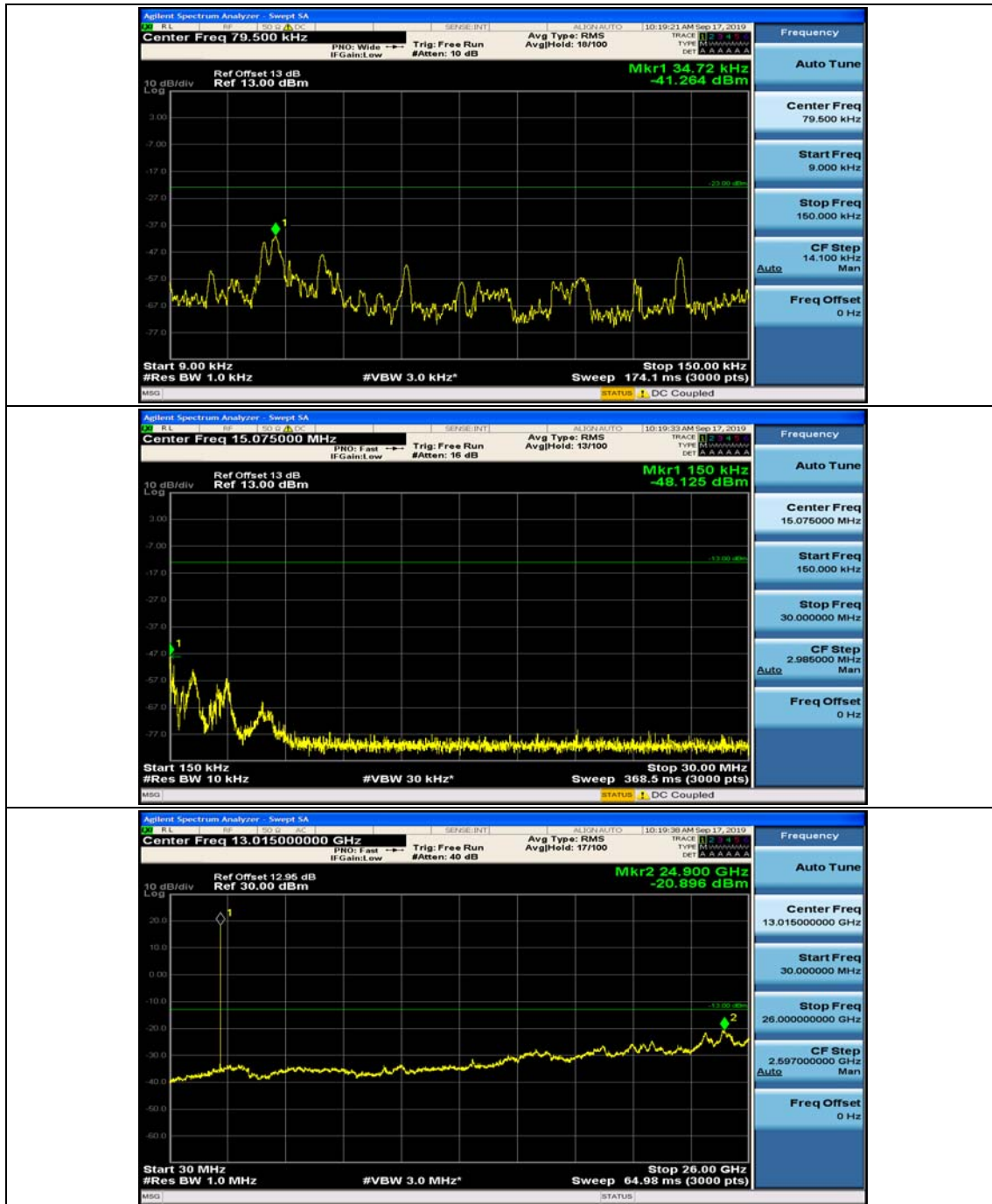


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.25	-0.000108	± 2.5	PASS
		VN	TN	0.68	0.000295	± 2.5	PASS
		VH	TN	3.18	0.001378	± 2.5	PASS
	MCH	VL	TN	4.19	0.001814	± 2.5	PASS
		VN	TN	0.18	0.000078	± 2.5	PASS
		VH	TN	1.52	0.000658	± 2.5	PASS
	HCH	VL	TN	-1.78	-0.000770	± 2.5	PASS
		VN	TN	2.47	0.001068	± 2.5	PASS
		VH	TN	-0.94	-0.000406	± 2.5	PASS
16QAM	LCH	VL	TN	2.01	0.000871	± 2.5	PASS
		VN	TN	1.62	0.000702	± 2.5	PASS
		VH	TN	4.42	0.001915	± 2.5	PASS
	MCH	VL	TN	0.94	0.000407	± 2.5	PASS
		VN	TN	3.16	0.001368	± 2.5	PASS
		VH	TN	-0.46	-0.000199	± 2.5	PASS
	HCH	VL	TN	0.88	0.000381	± 2.5	PASS
		VN	TN	2.91	0.001258	± 2.5	PASS
		VH	TN	3.74	0.001617	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.95	0.001712	± 2.5	PASS
		VN	-20	-0.26	-0.000113	± 2.5	PASS
		VN	-10	-0.48	-0.000208	± 2.5	PASS
		VN	0	3.3	0.001430	± 2.5	PASS
		VN	10	4.67	0.002024	± 2.5	PASS
		VN	20	3.85	0.001668	± 2.5	PASS
		VN	30	-1.13	-0.000490	± 2.5	PASS
		VN	40	-0.95	-0.000412	± 2.5	PASS
		VN	50	-1.75	-0.000758	± 2.5	PASS
	MCH	VN	-30	-0.02	-0.000009	± 2.5	PASS
		VN	-20	3.01	0.001303	± 2.5	PASS

		VN	-10	4.38	0.001896	± 2.5	PASS	
		VN	0	0.26	0.000113	± 2.5	PASS	
		VN	10	1.52	0.000658	± 2.5	PASS	
		VN	20	2.77	0.001199	± 2.5	PASS	
		VN	30	-1.27	-0.000550	± 2.5	PASS	
		VN	40	3.53	0.001528	± 2.5	PASS	
		VN	50	-0.26	-0.000113	± 2.5	PASS	
	HCH	VN	-30	3.9	0.001686	± 2.5	PASS	
		VN	-20	3.13	0.001354	± 2.5	PASS	
		VN	-10	3.01	0.001302	± 2.5	PASS	
		VN	0	0.26	0.000112	± 2.5	PASS	
		VN	10	3.16	0.001366	± 2.5	PASS	
		VN	20	-0.67	-0.000290	± 2.5	PASS	
		VN	30	-0.85	-0.000368	± 2.5	PASS	
		VN	40	2.46	0.001064	± 2.5	PASS	
		VN	50	4.2	0.001816	± 2.5	PASS	
	16QAM	LCH	VN	-30	1.45	0.000628	± 2.5	PASS
			VN	-20	4.23	0.001833	± 2.5	PASS
VN			-10	4.85	0.002102	± 2.5	PASS	
VN			0	-0.44	-0.000191	± 2.5	PASS	
VN			10	-1.12	-0.000485	± 2.5	PASS	
VN			20	-0.74	-0.000321	± 2.5	PASS	
VN			30	1.82	0.000789	± 2.5	PASS	
VN			40	-1.73	-0.000750	± 2.5	PASS	
VN			50	4.42	0.001915	± 2.5	PASS	
MCH		VN	-30	2.85	0.001232	± 2.5	PASS	
		VN	-20	2.76	0.001194	± 2.5	PASS	
		VN	-10	-0.91	-0.000394	± 2.5	PASS	
		VN	0	1.81	0.000783	± 2.5	PASS	
		VN	10	-0.71	-0.000307	± 2.5	PASS	
		VN	20	0.64	0.000277	± 2.5	PASS	
		VN	30	4.33	0.001872	± 2.5	PASS	
		VN	40	0.97	0.000419	± 2.5	PASS	
		VN	50	3.78	0.001635	± 2.5	PASS	
HCH		VN	-30	-1.81	-0.000783	± 2.5	PASS	
		VN	-20	2.34	0.001012	± 2.5	PASS	
		VN	-10	-0.17	-0.000074	± 2.5	PASS	
		VN	0	-0.5	-0.000216	± 2.5	PASS	
		VN	10	2.26	0.000977	± 2.5	PASS	
		VN	20	1.6	0.000692	± 2.5	PASS	
		VN	30	0.59	0.000255	± 2.5	PASS	

		VN	40	-1.7	-0.000735	± 2.5	PASS
		VN	50	1.41	0.000610	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	MCH	VL	TN	0.000009	0.000009	± 2.5	PASS
		VN	TN	0.001922	0.001922	± 2.5	PASS
		VH	TN	0.000017	0.000017	± 2.5	PASS
16QAM	MCH	VL	TN	-0.000649	-0.000649	± 2.5	PASS
		VN	TN	0.001303	0.001303	± 2.5	PASS
		VH	TN	0.001991	0.001991	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	MCH	VN	-30	2.28	0.000987	± 2.5	PASS
		VN	-20	2.78	0.001203	± 2.5	PASS
		VN	-10	1.33	0.000576	± 2.5	PASS
		VN	0	3.6	0.001558	± 2.5	PASS
		VN	10	1.74	0.000753	± 2.5	PASS
		VN	20	0.85	0.000368	± 2.5	PASS
		VN	30	-0.81	-0.000351	± 2.5	PASS
		VN	40	2.34	0.001013	± 2.5	PASS
		VN	50	3.96	0.001714	± 2.5	PASS
QPSK	MCH	VN	-30	-0.59	-0.000255	± 2.5	PASS
		VN	-20	3.47	0.001502	± 2.5	PASS
		VN	-10	0.37	0.000160	± 2.5	PASS
		VN	0	-0.57	-0.000247	± 2.5	PASS
		VN	10	4.86	0.002104	± 2.5	PASS
		VN	20	4.83	0.002091	± 2.5	PASS
		VN	30	2.07	0.000896	± 2.5	PASS
		VN	40	1.55	0.000671	± 2.5	PASS
		VN	50	-0.38	-0.000165	± 2.5	PASS