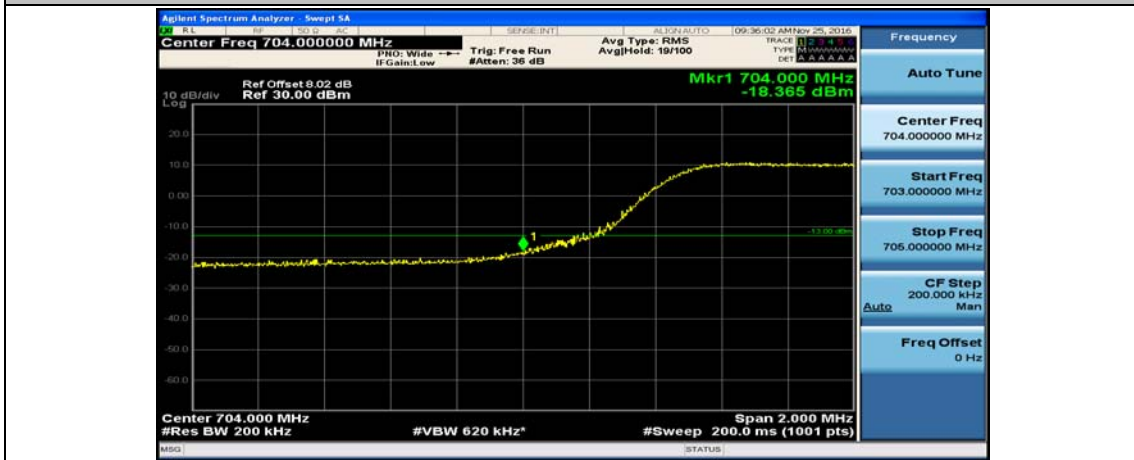




Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



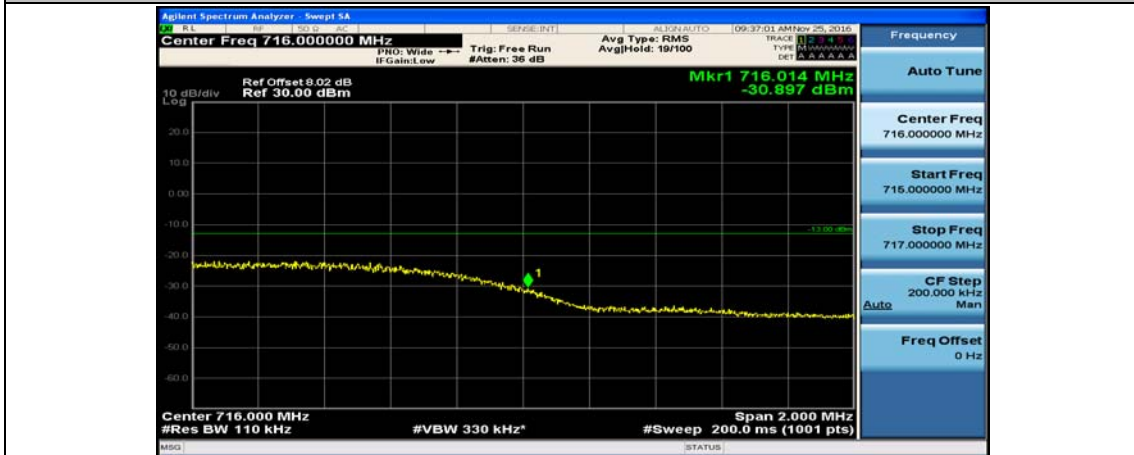
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



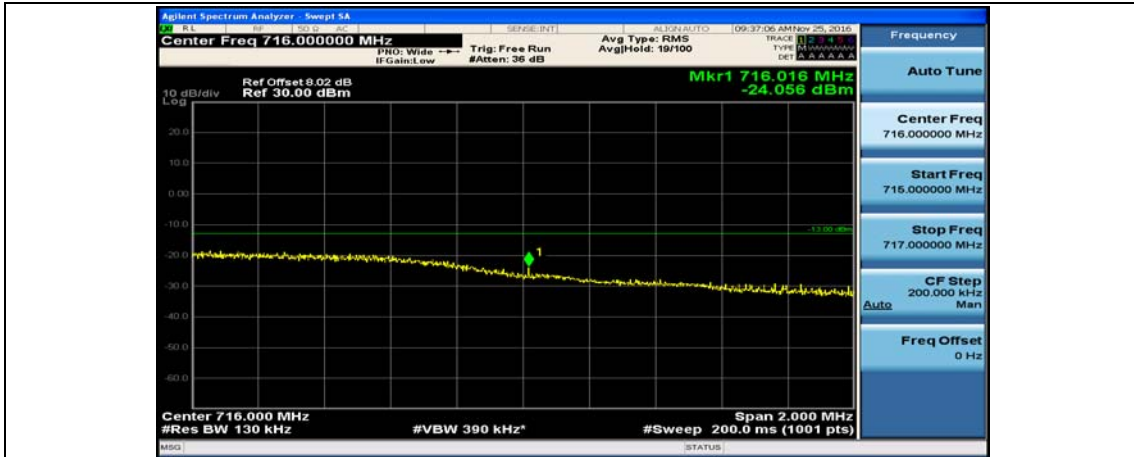
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



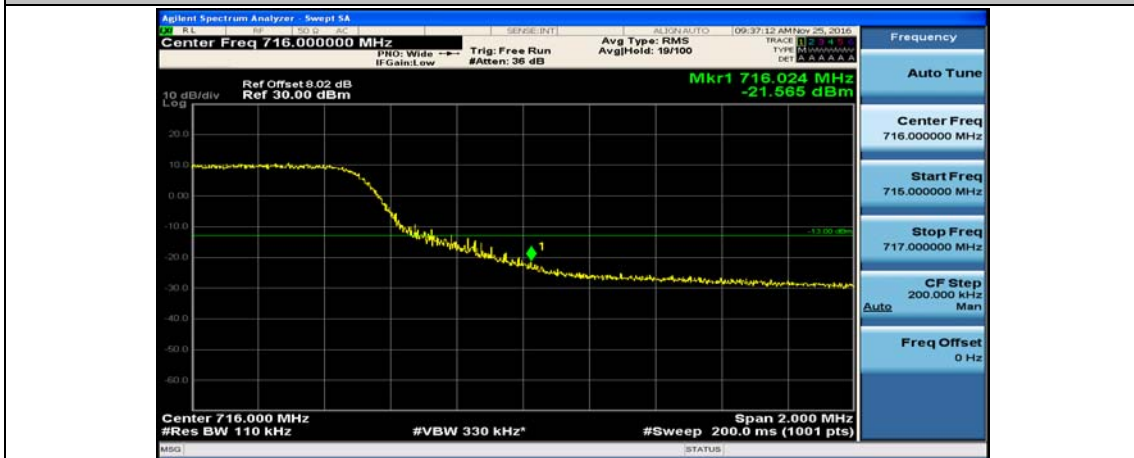
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



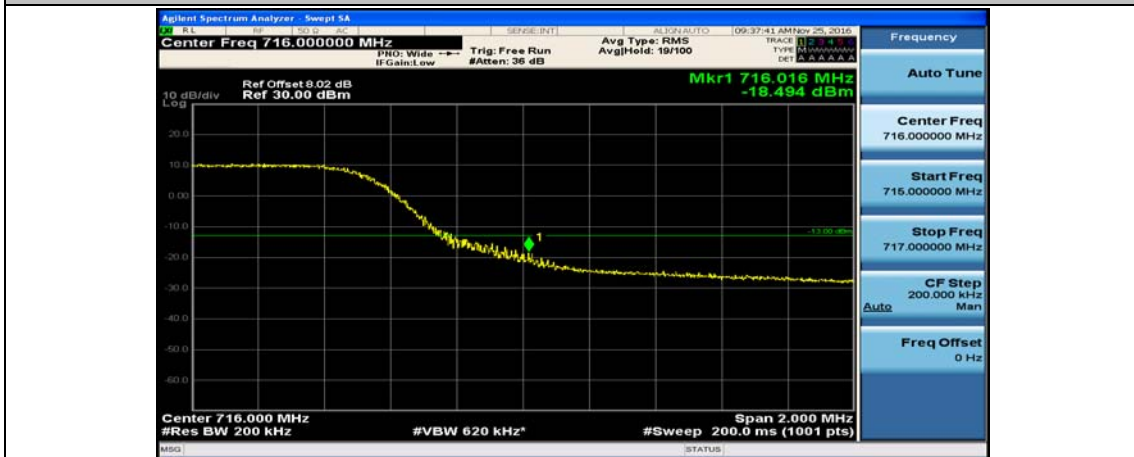
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



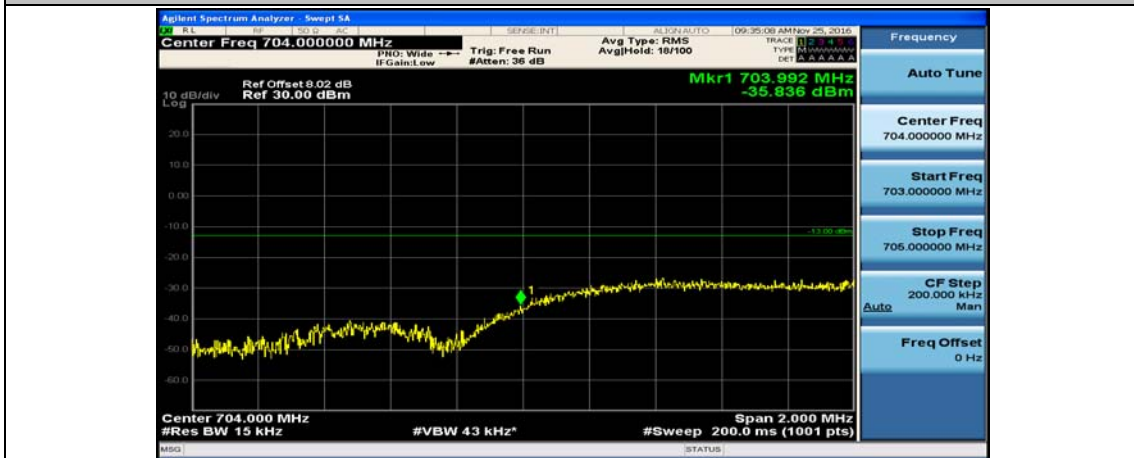
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



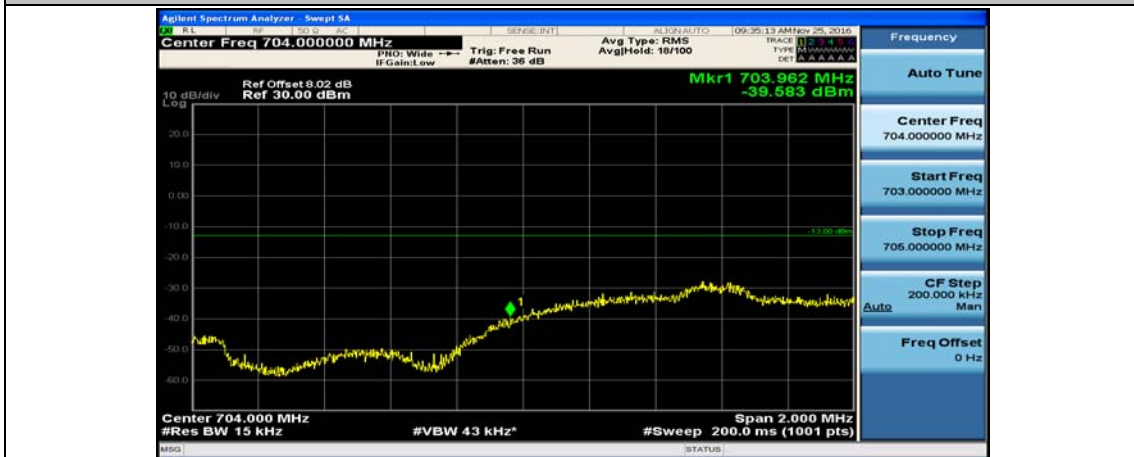
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



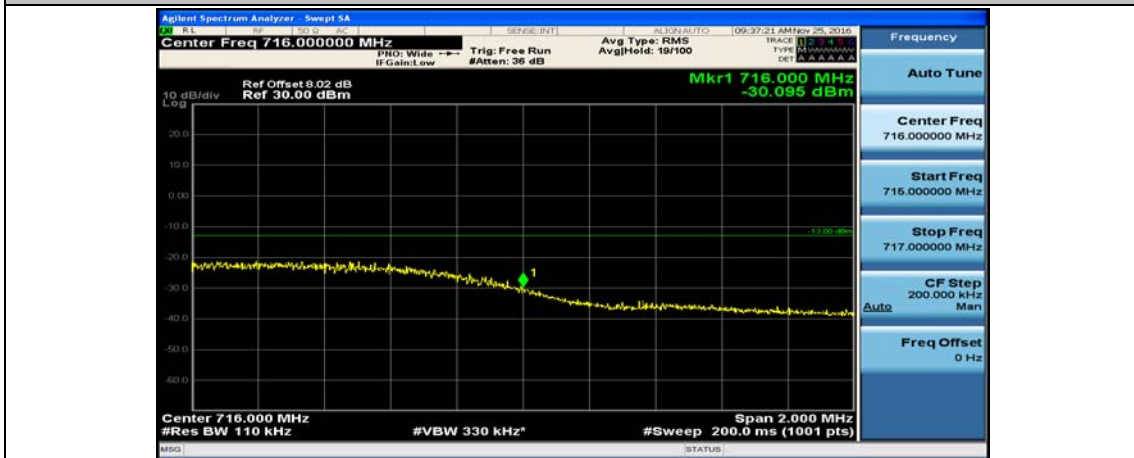
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



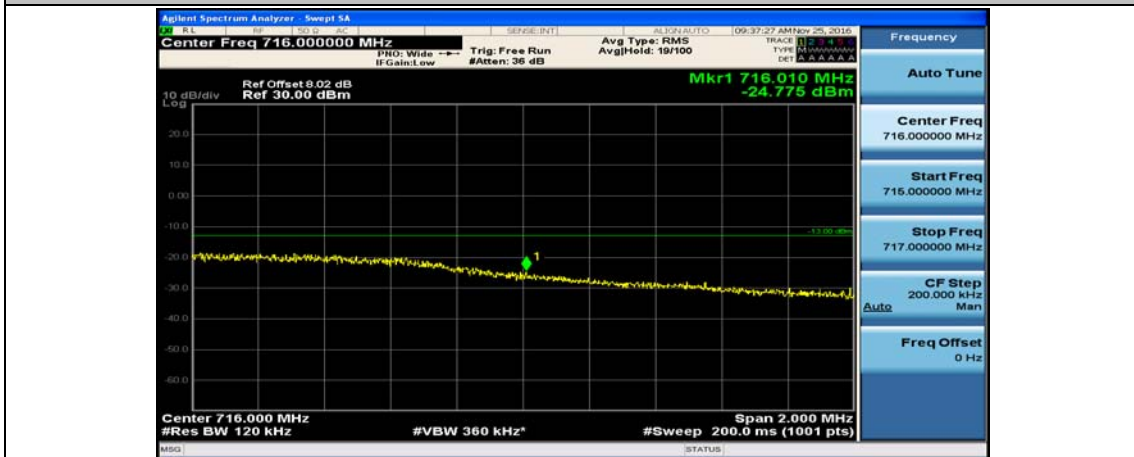
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



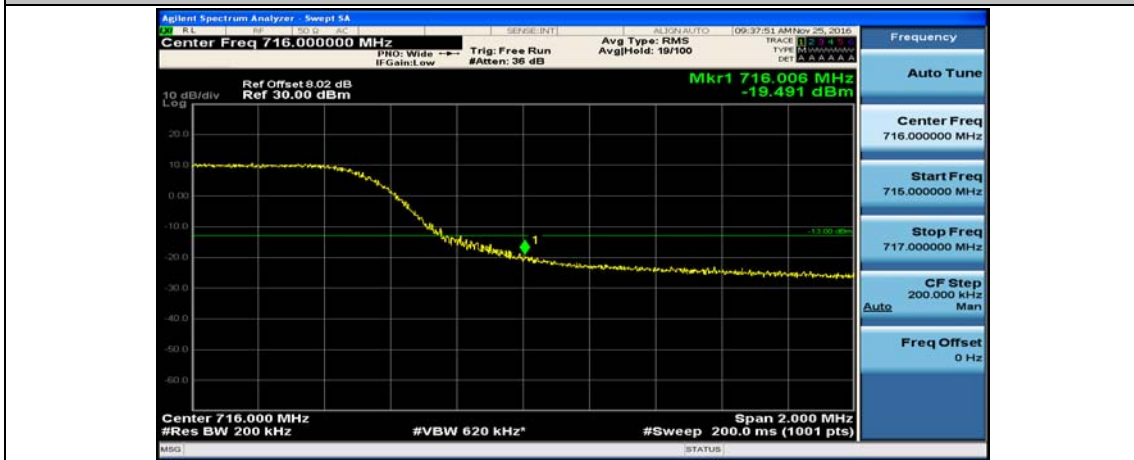
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



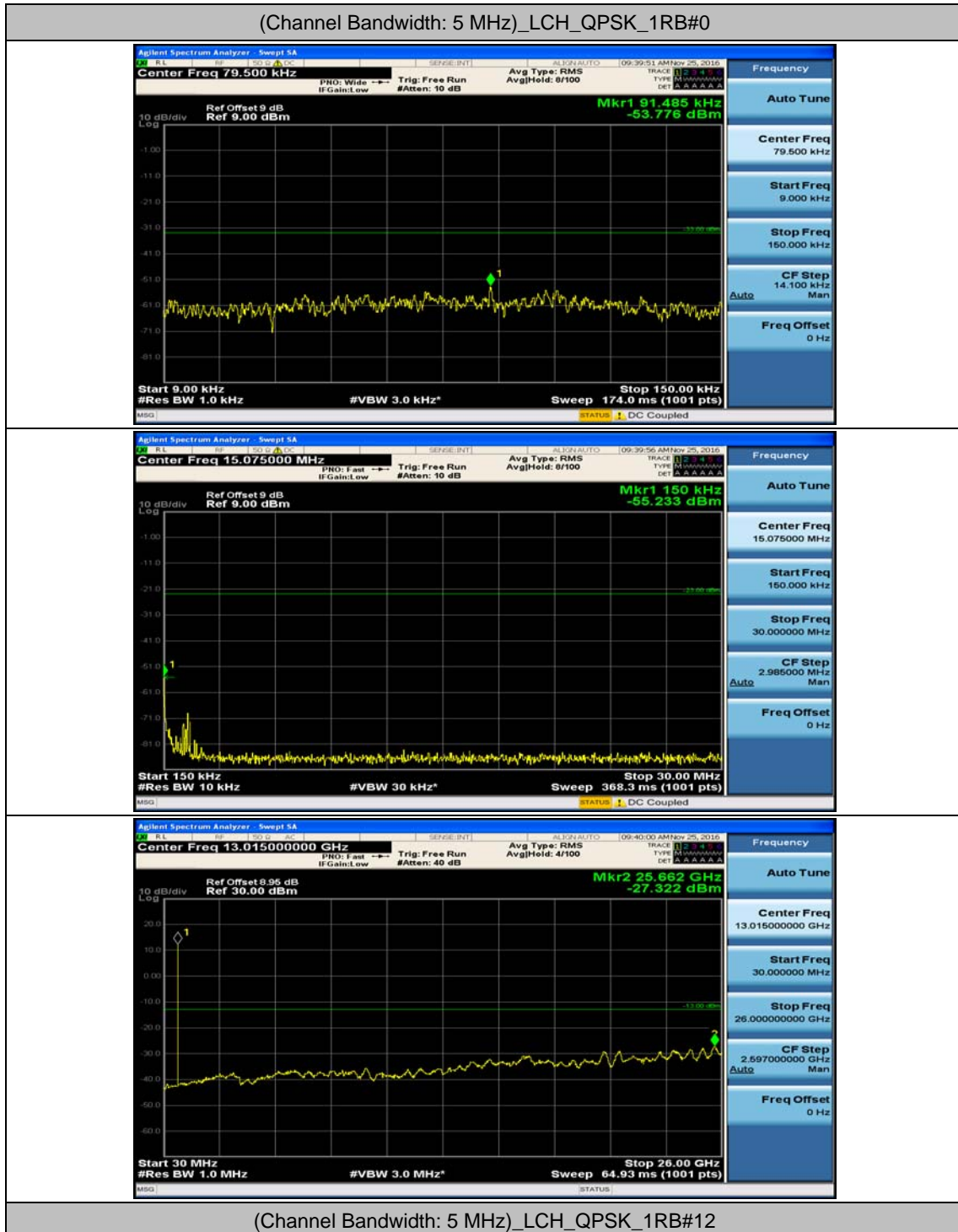
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

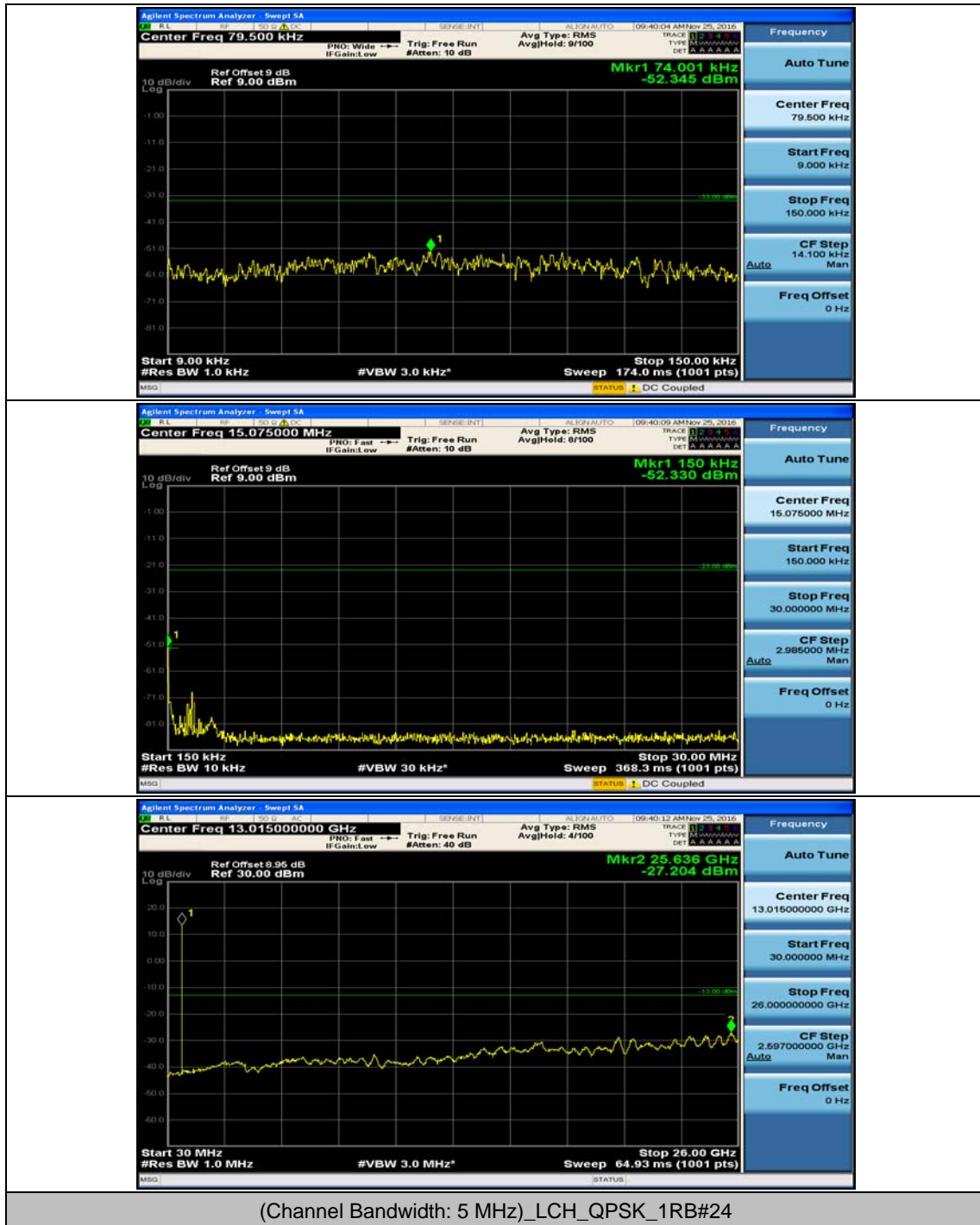


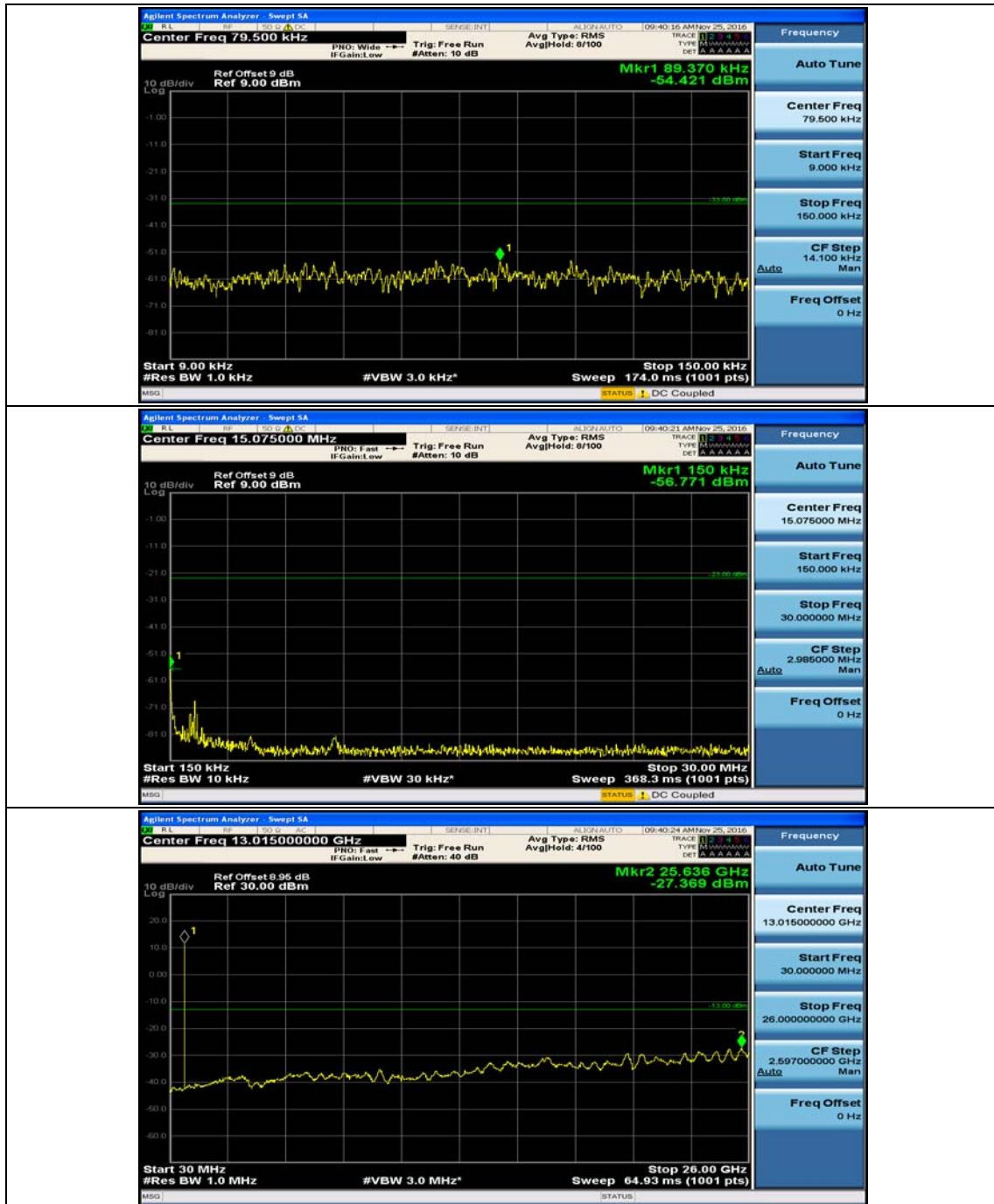
Appendix E: Conducted Spurious Emission

Test Graphs

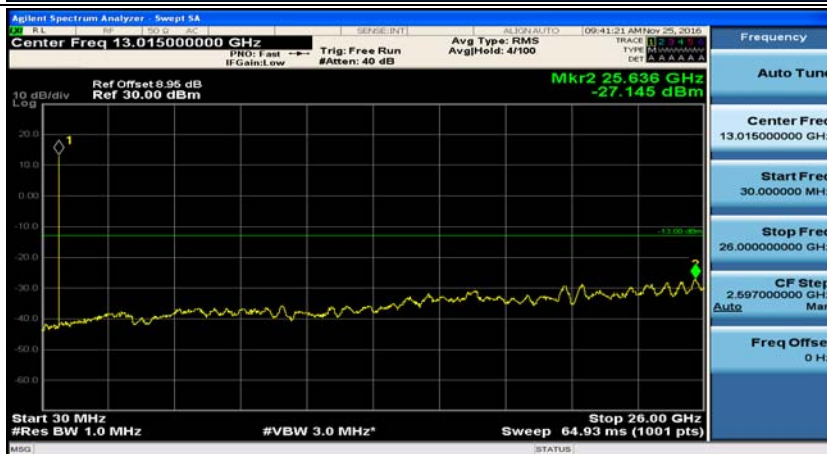
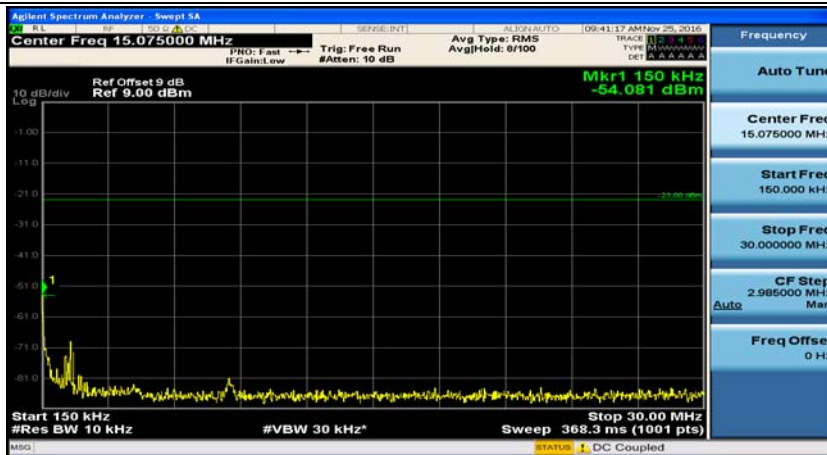
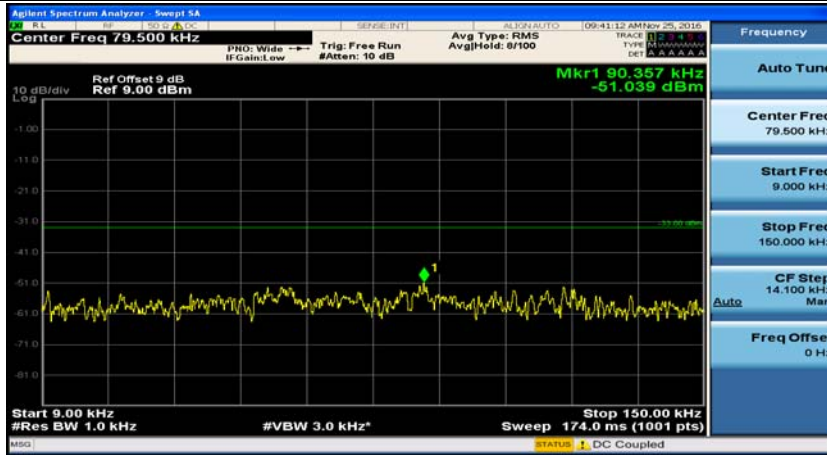
Channel Bandwidth: 5 MHz



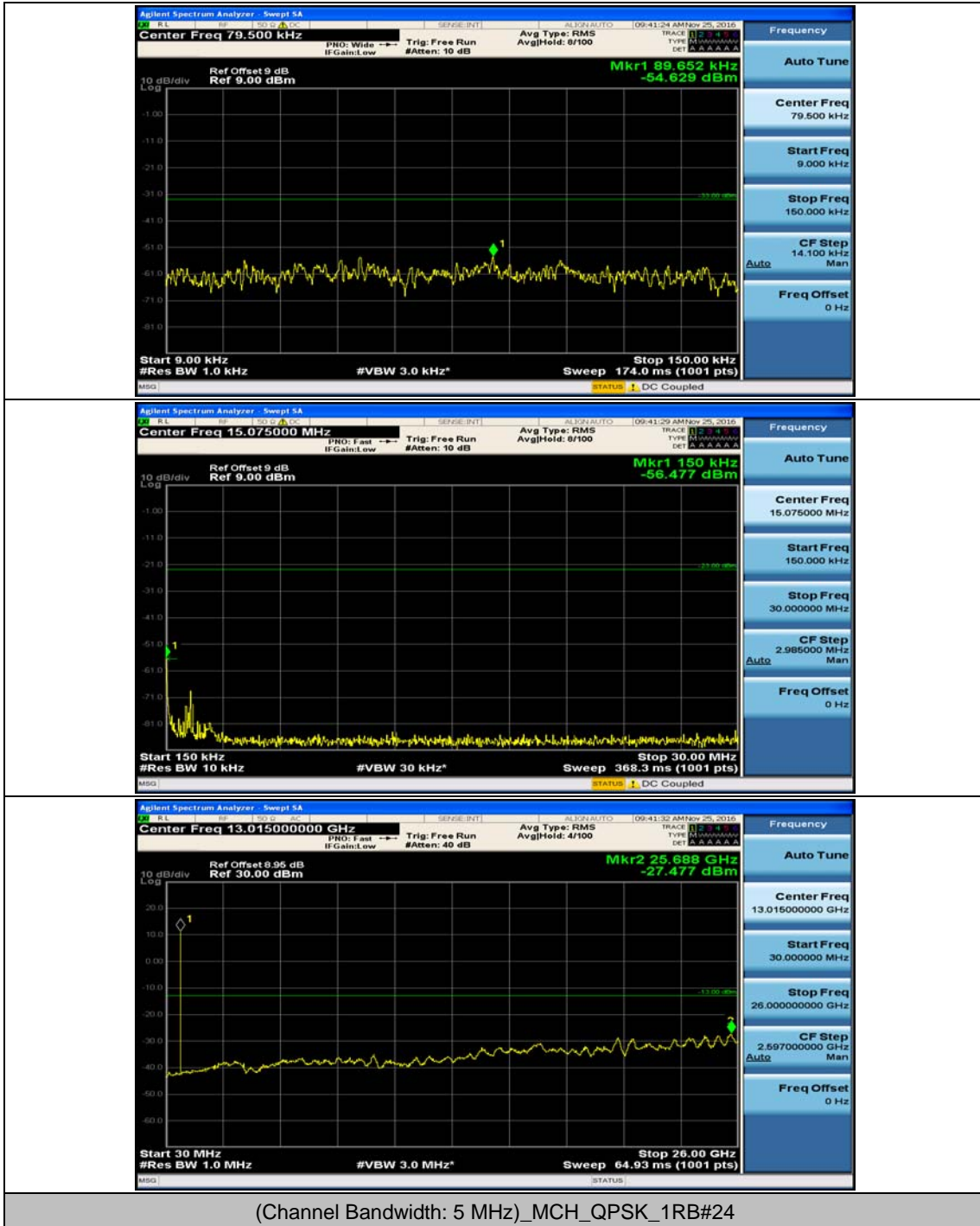


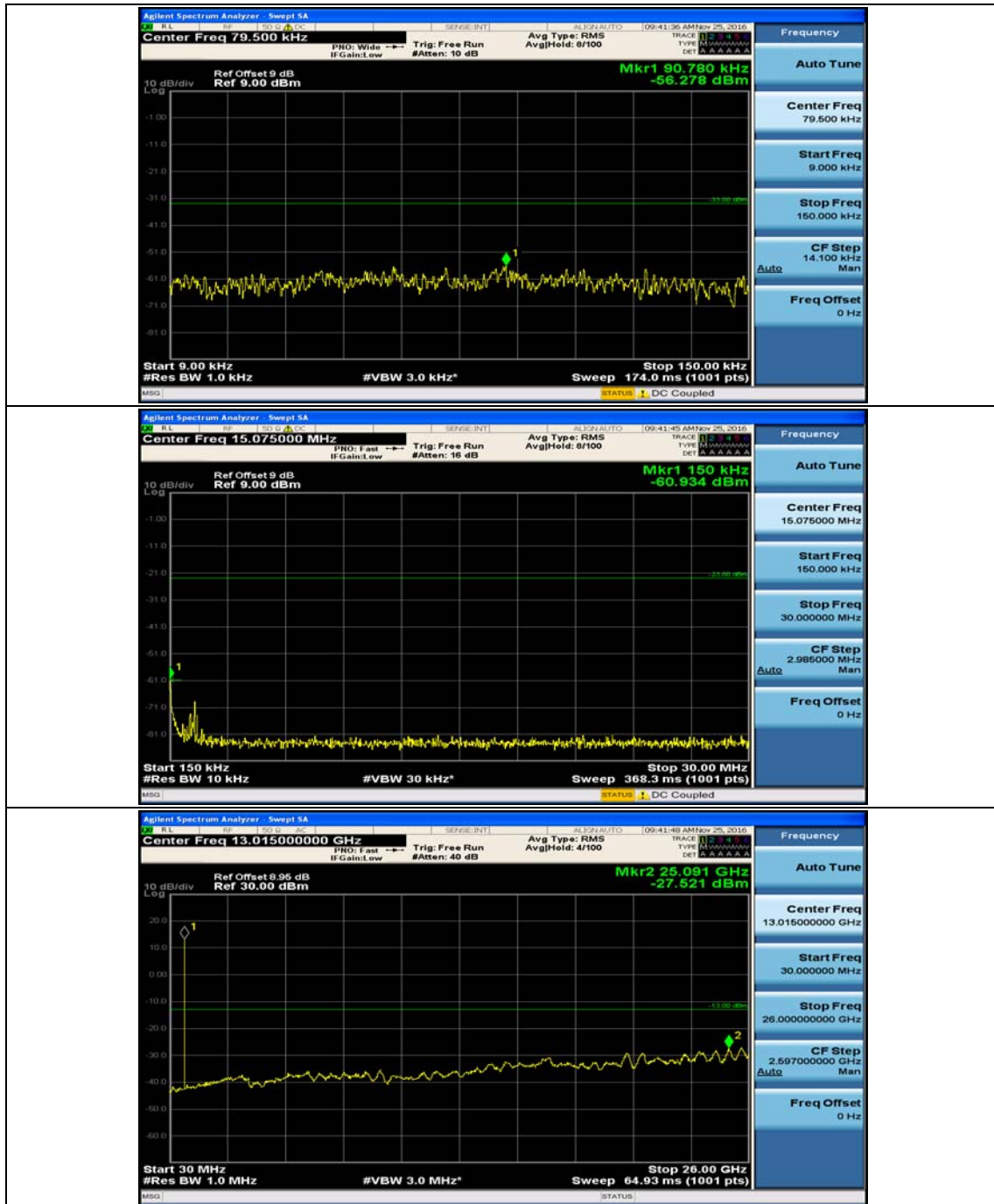


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

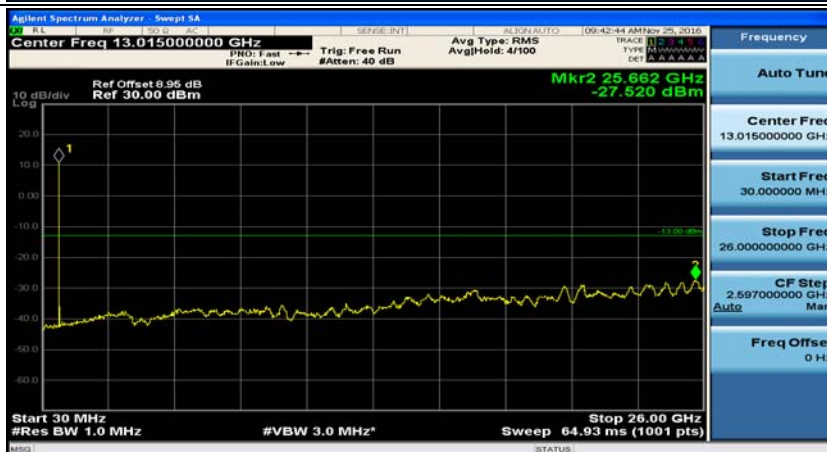
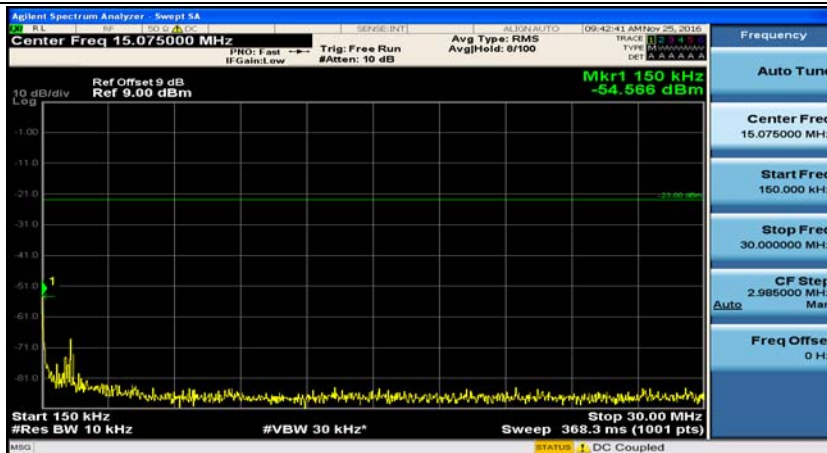
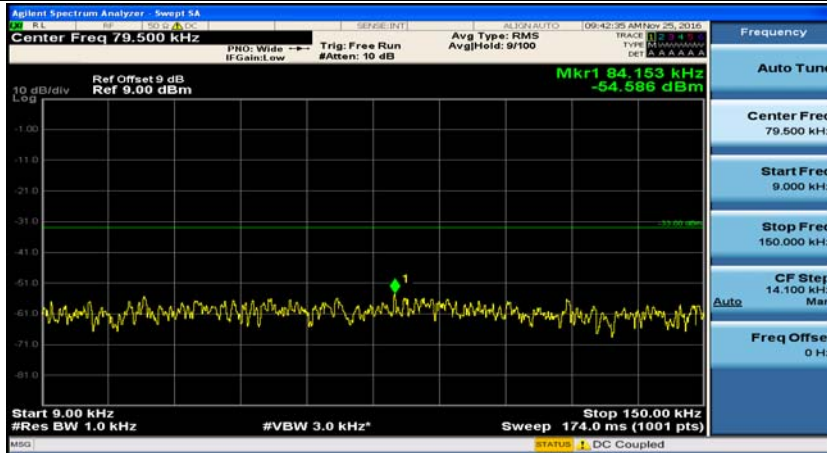


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

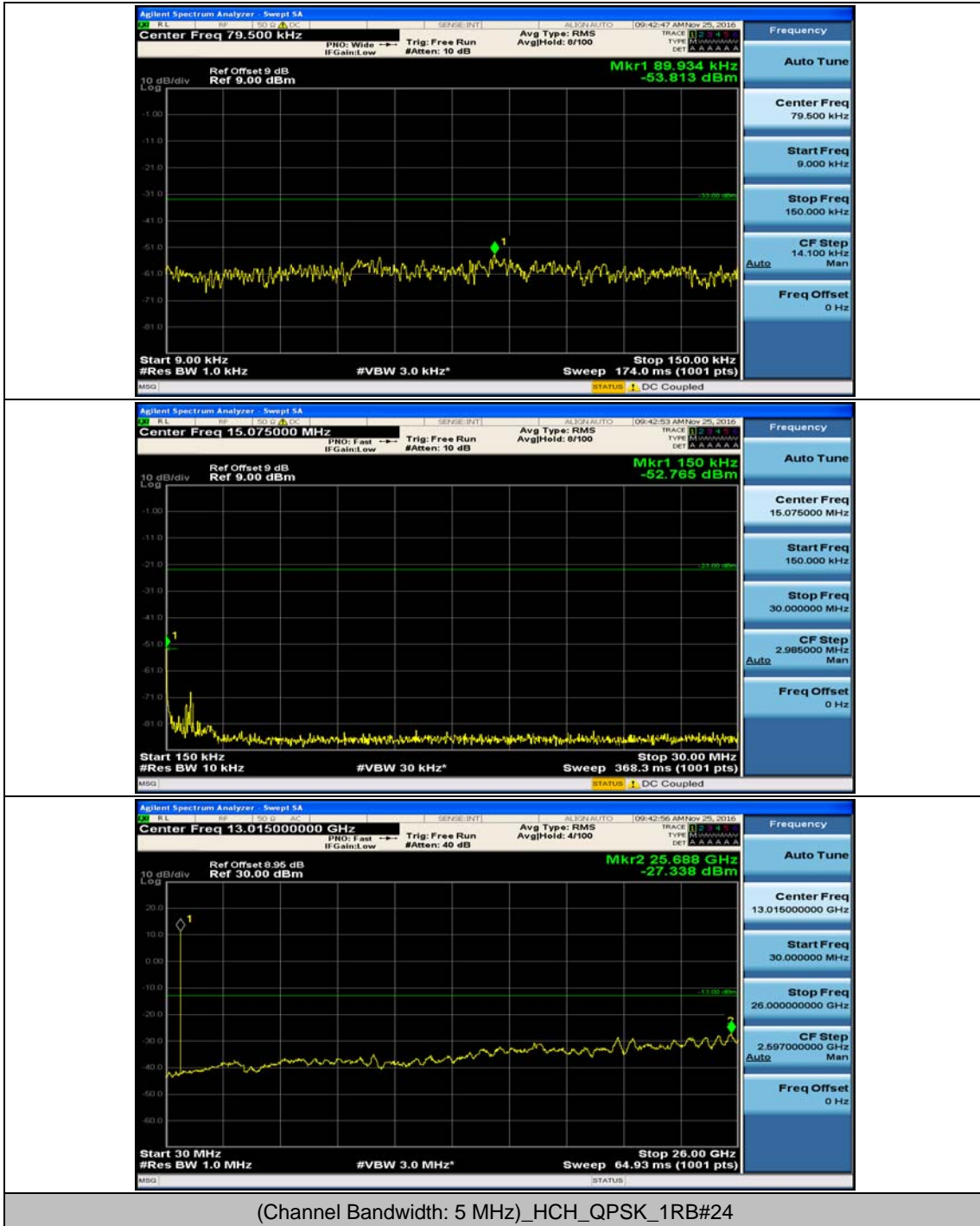


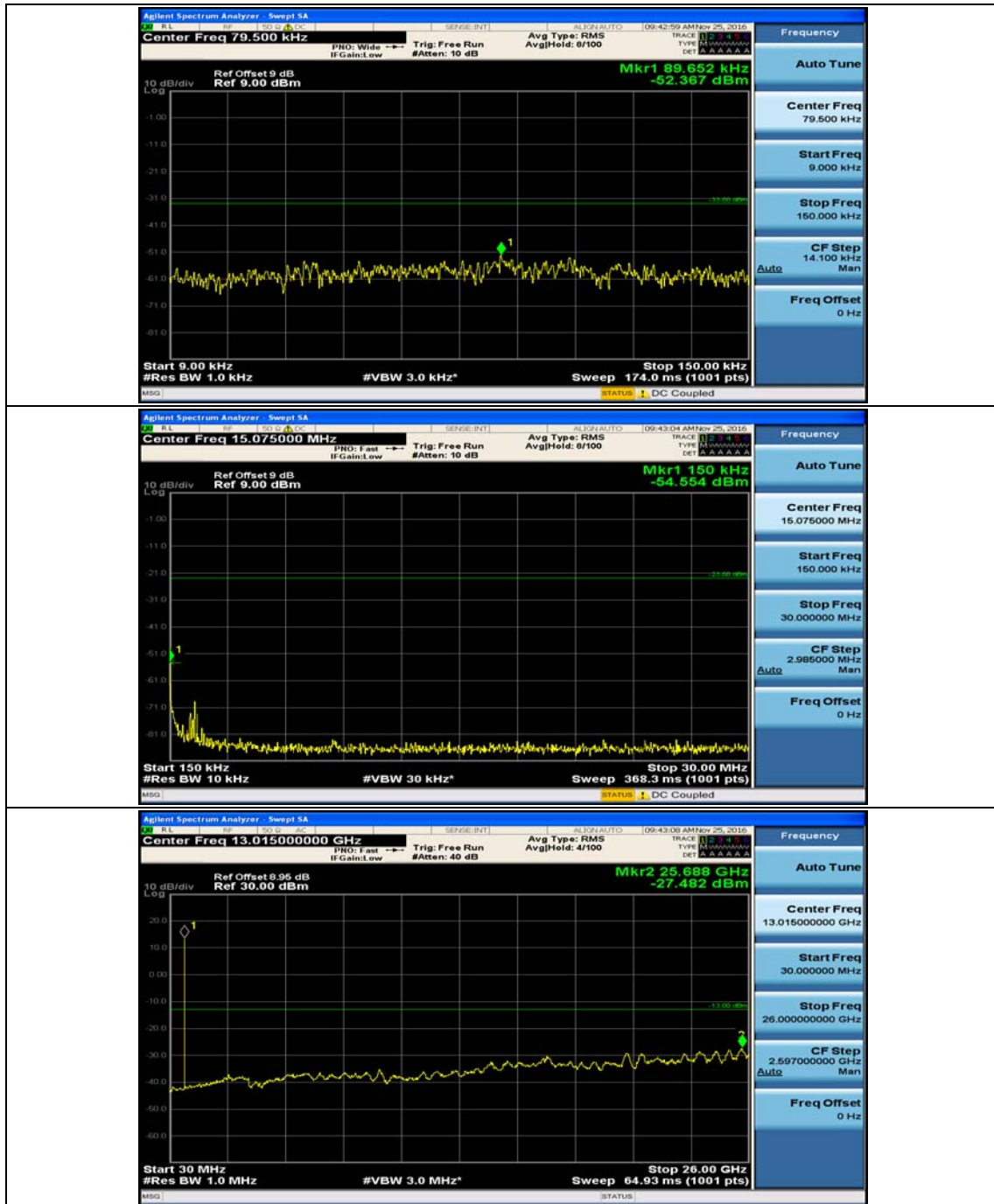


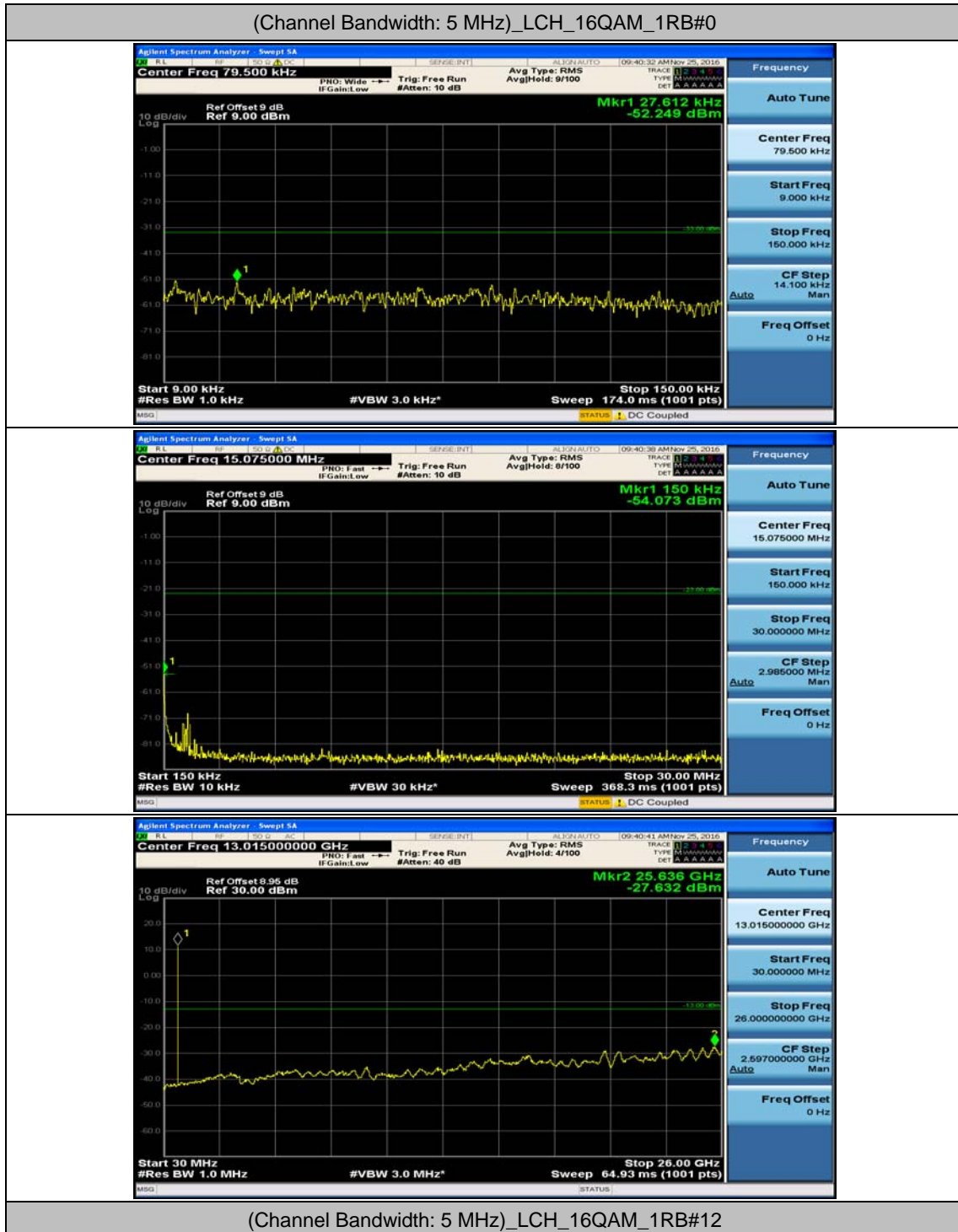
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

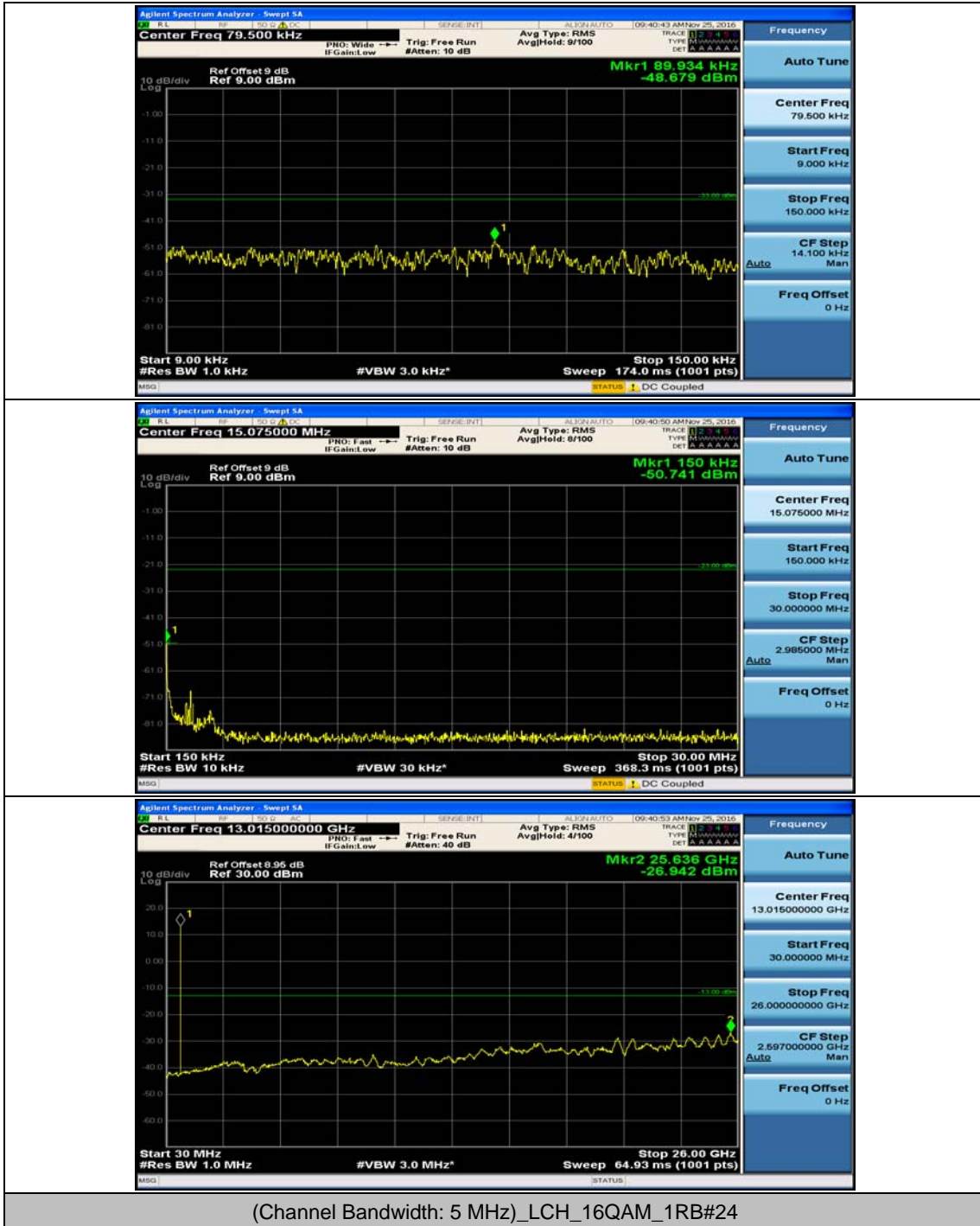


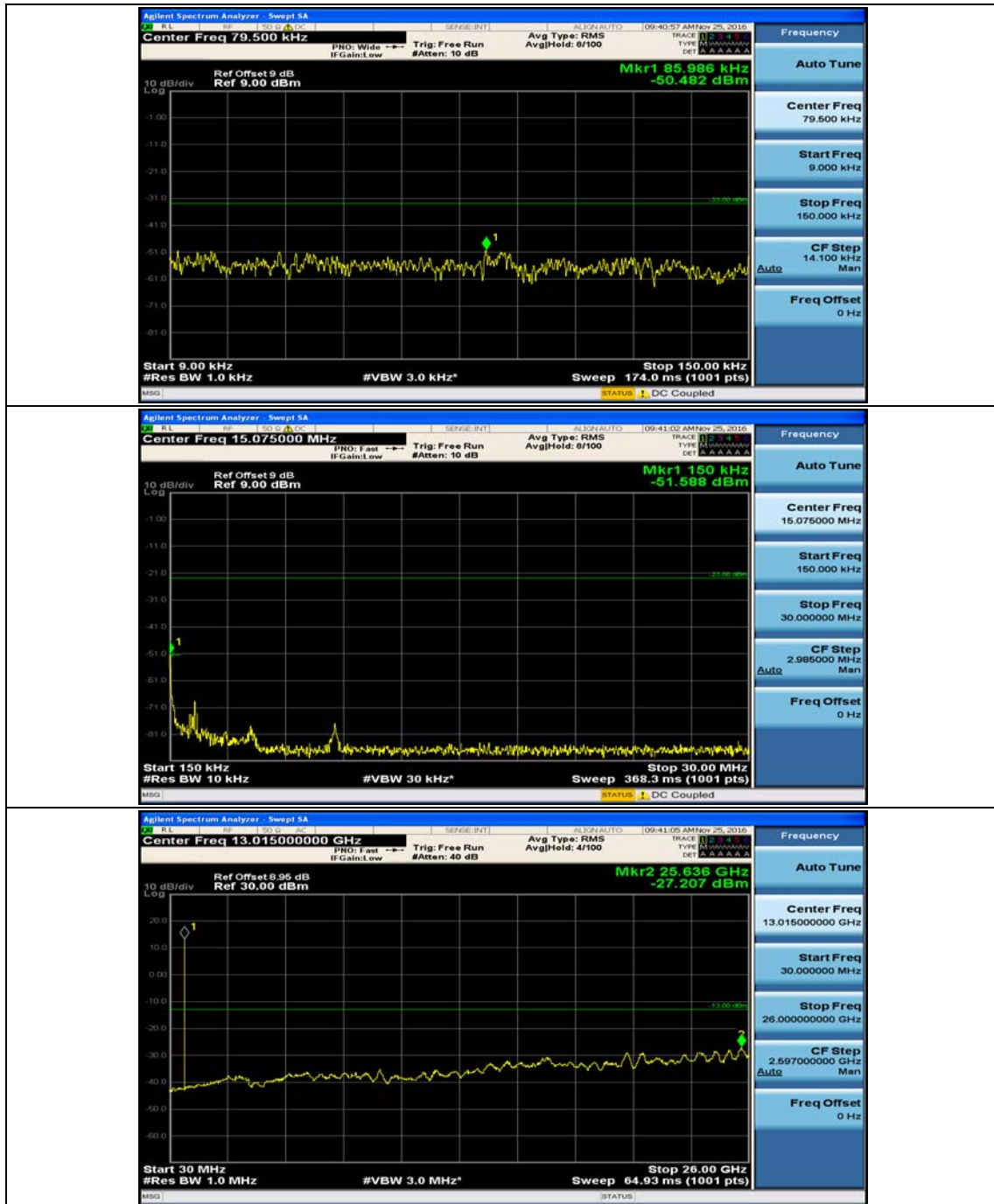
(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12



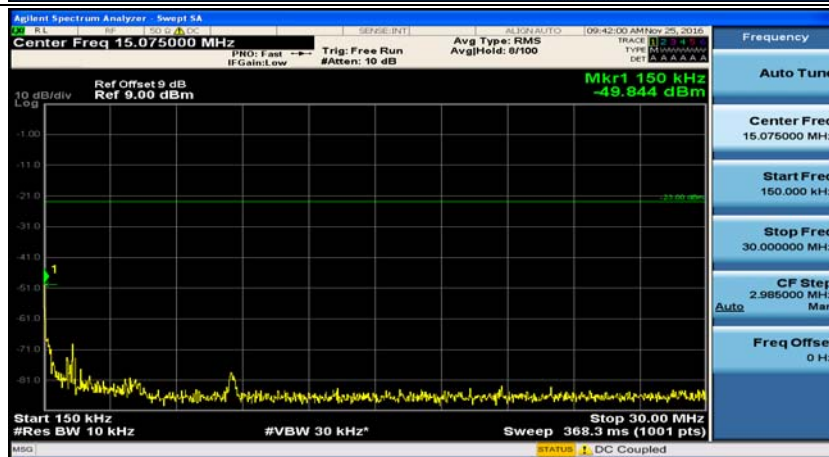
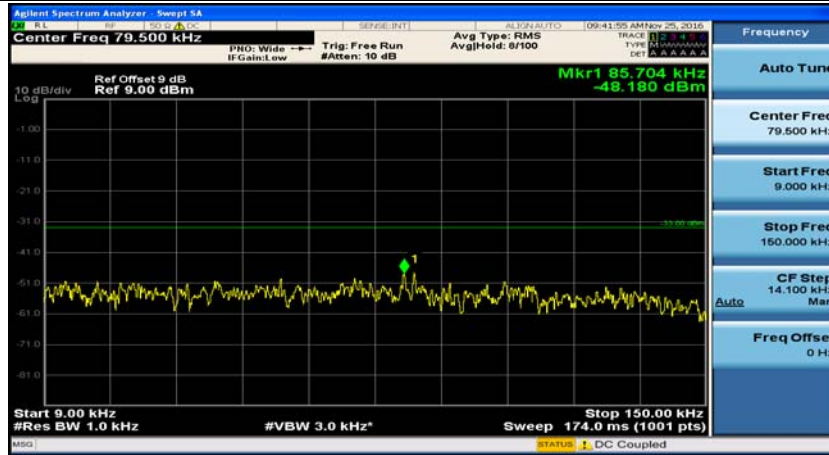




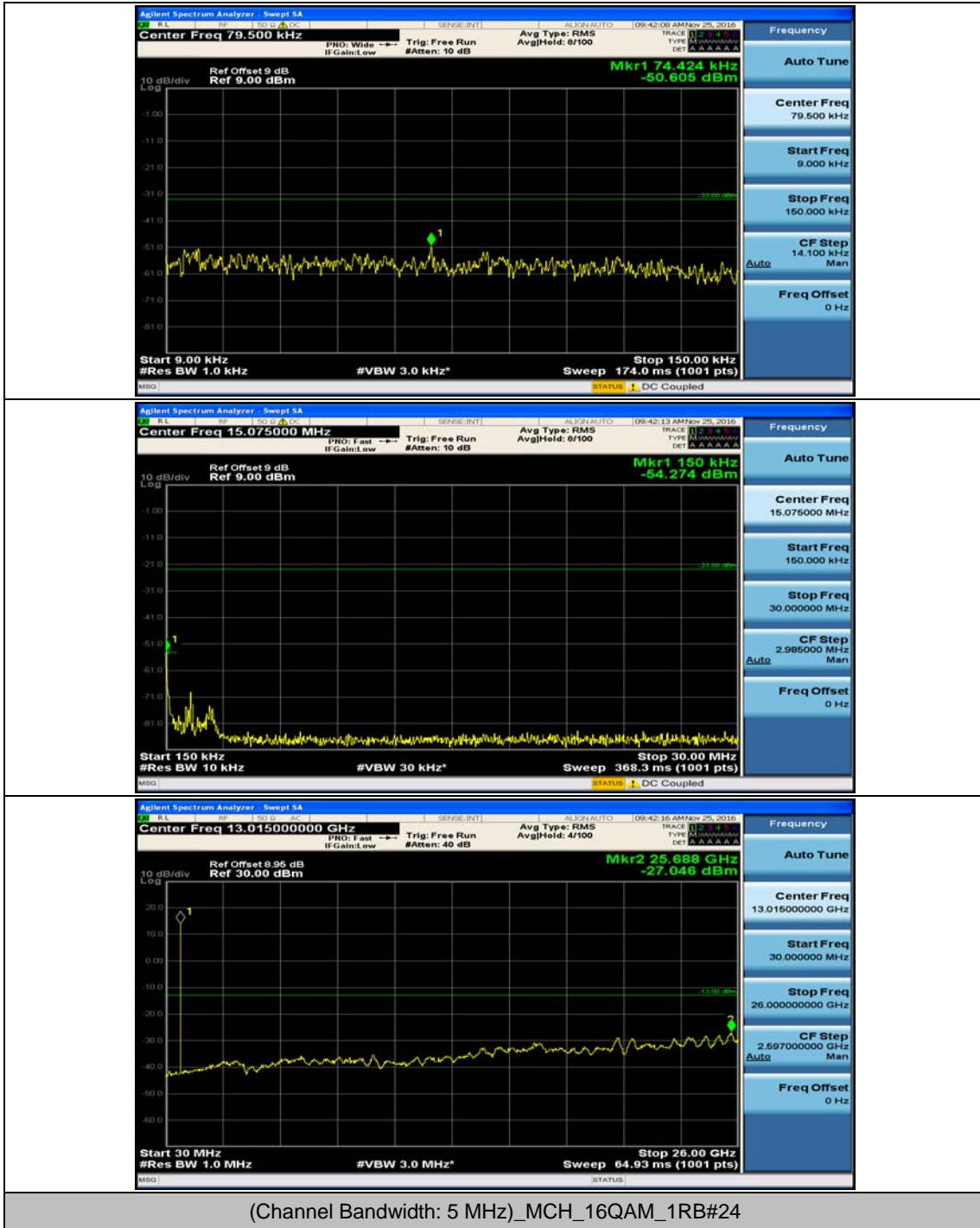


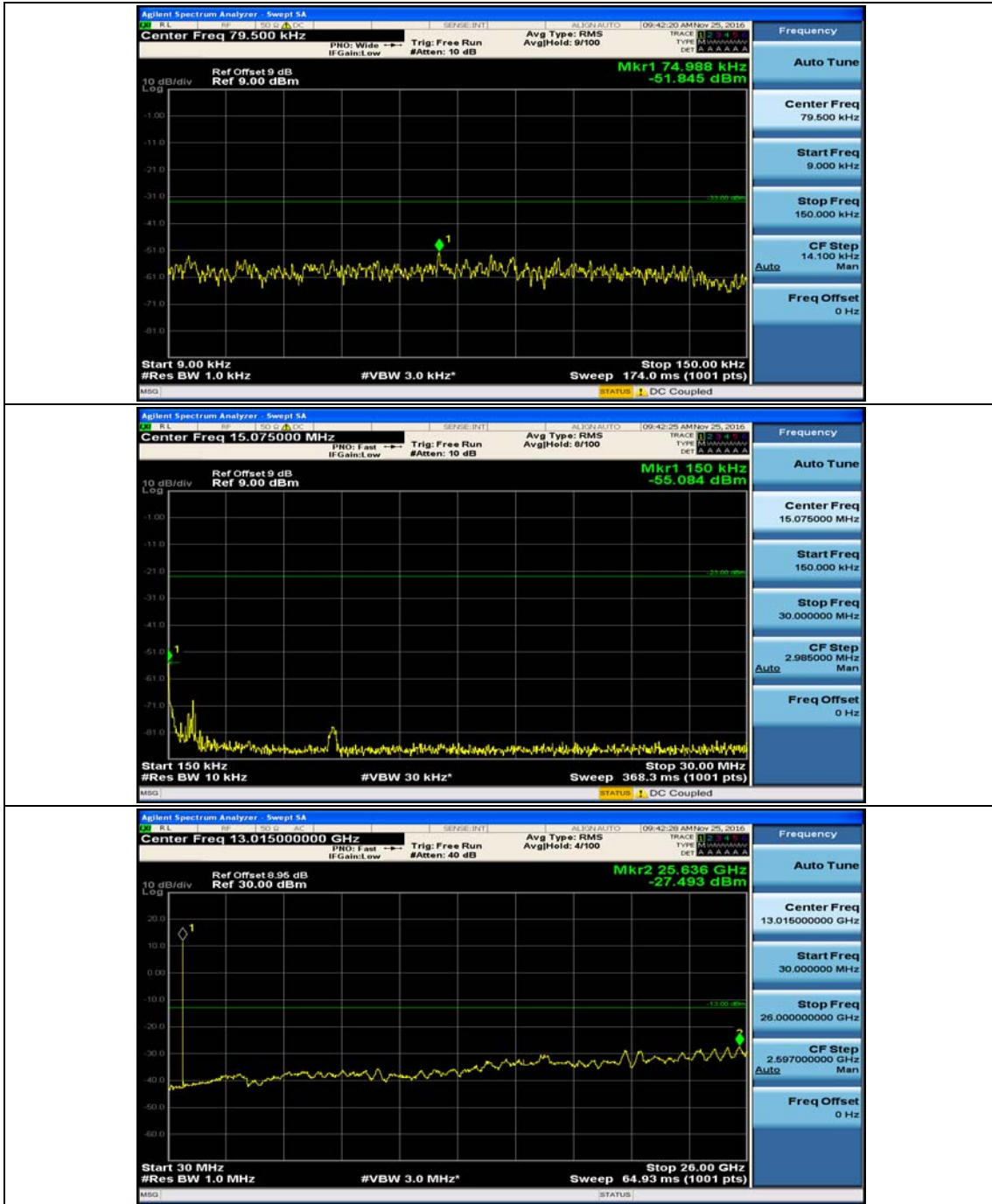


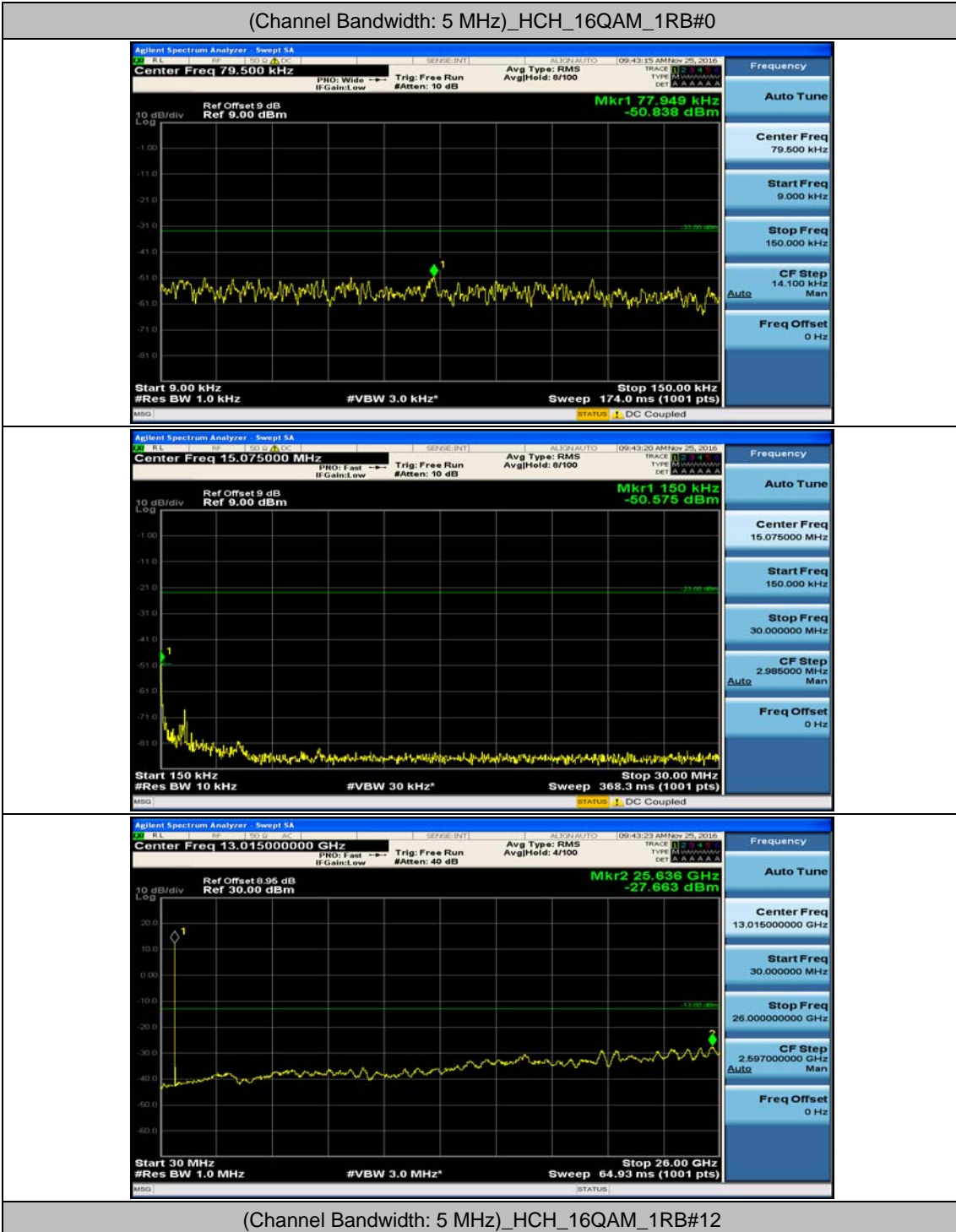
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

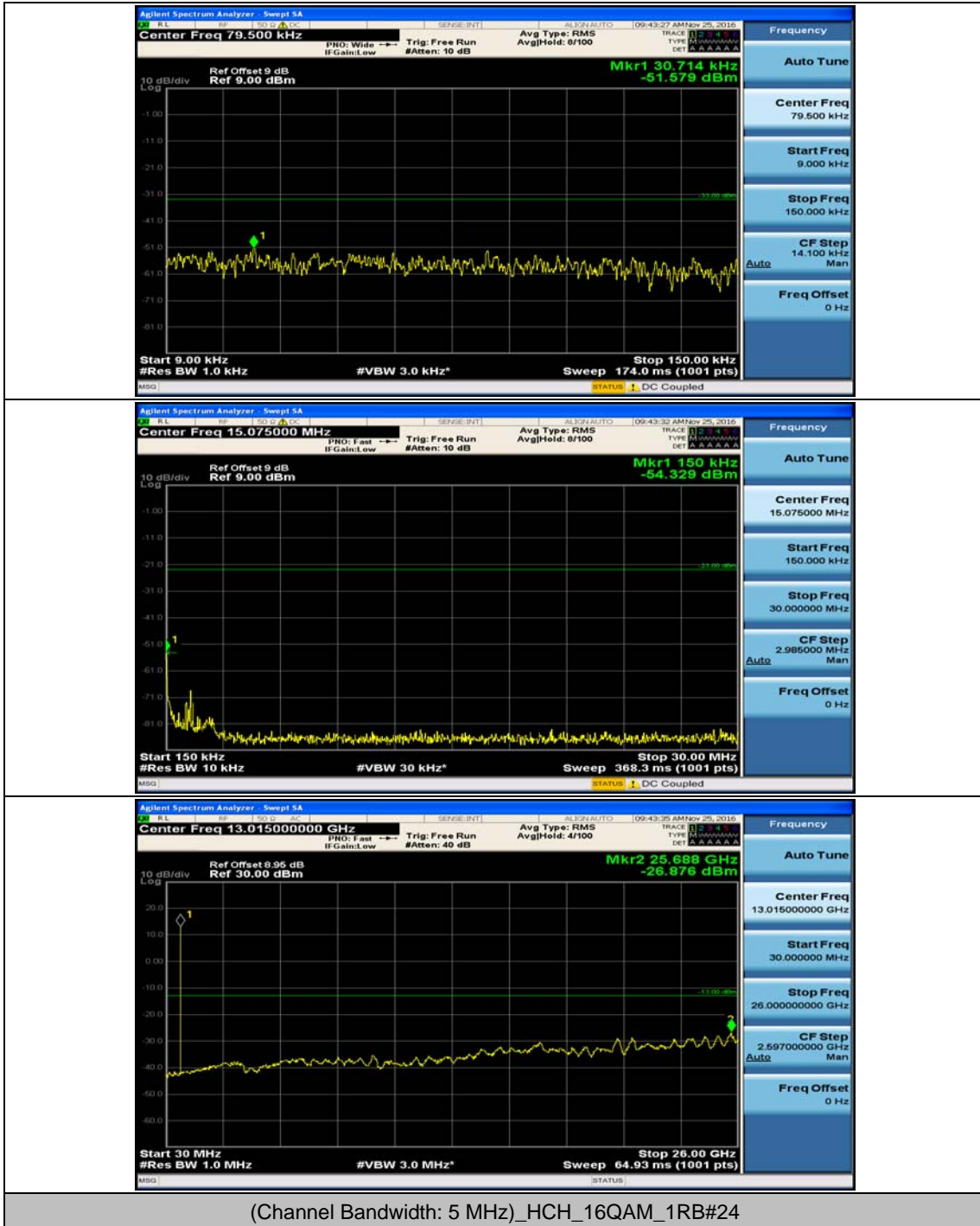


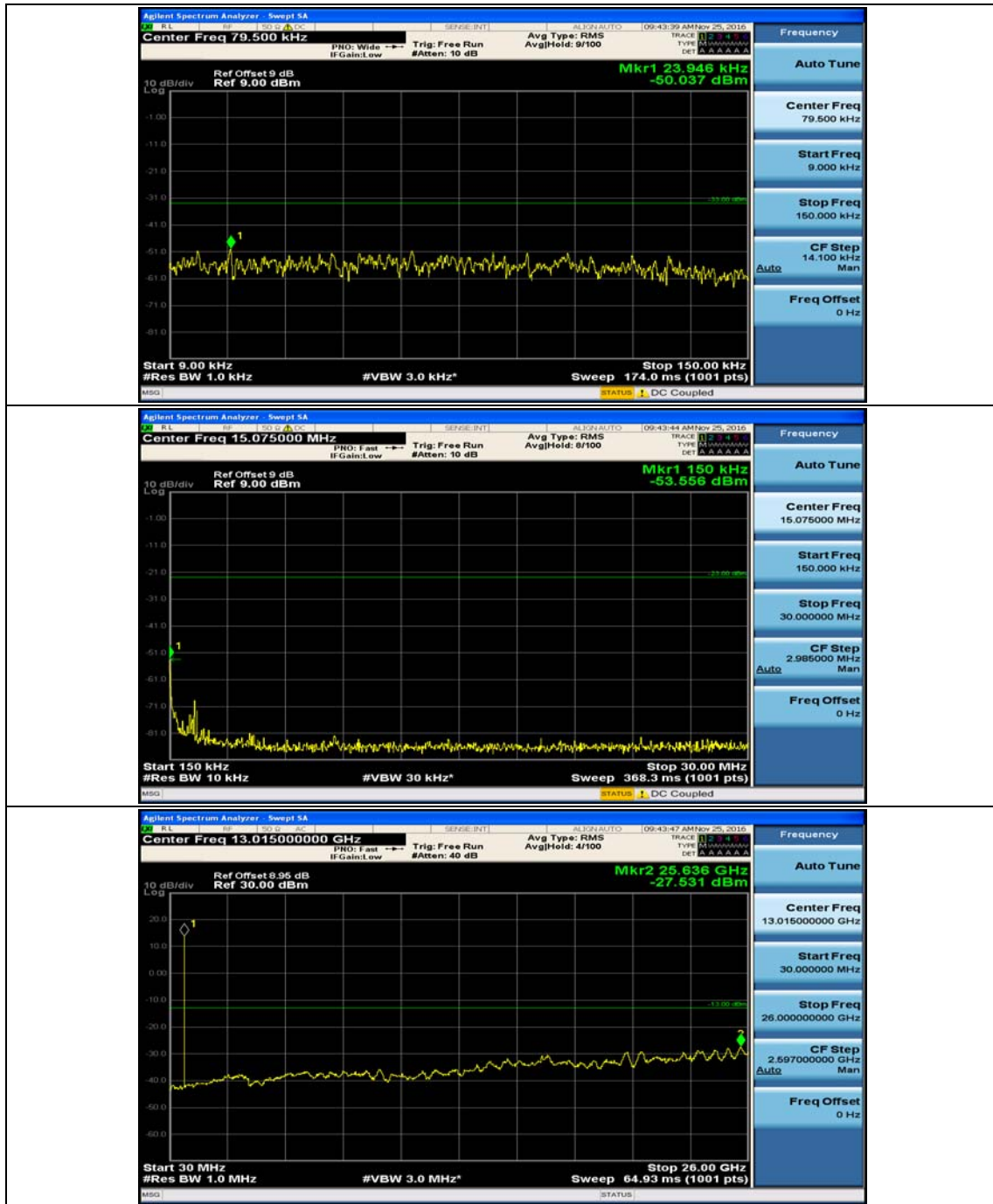
(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12



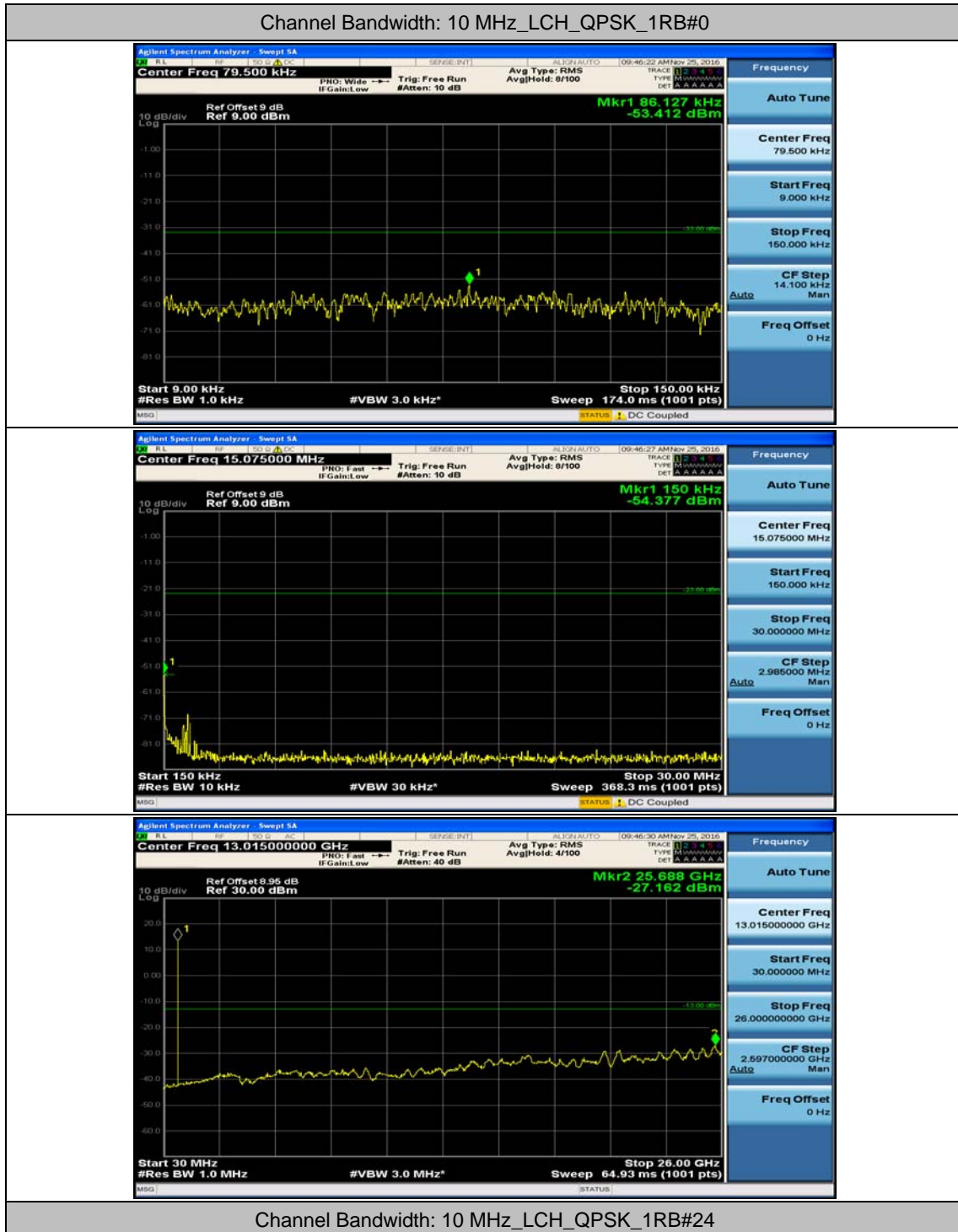


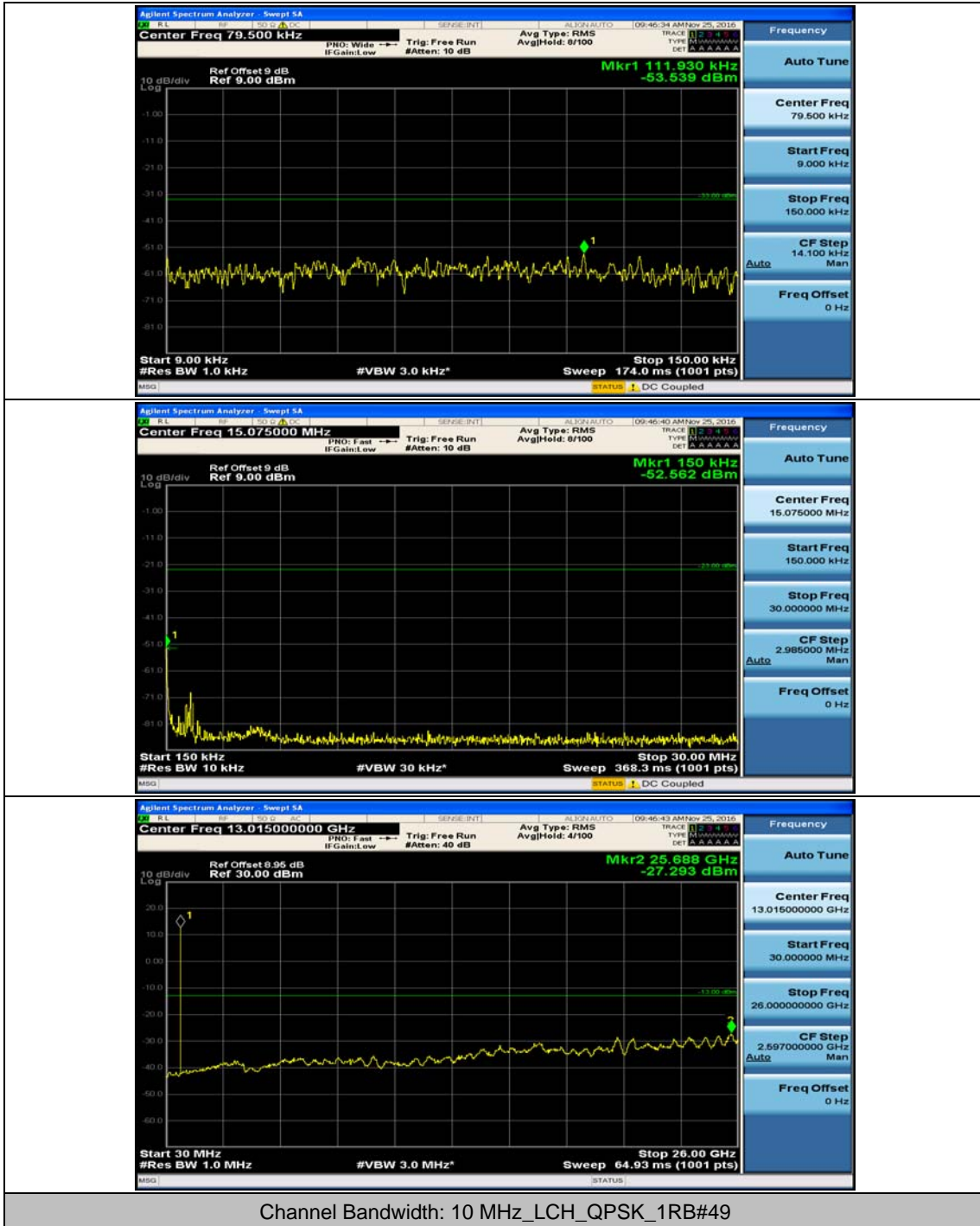


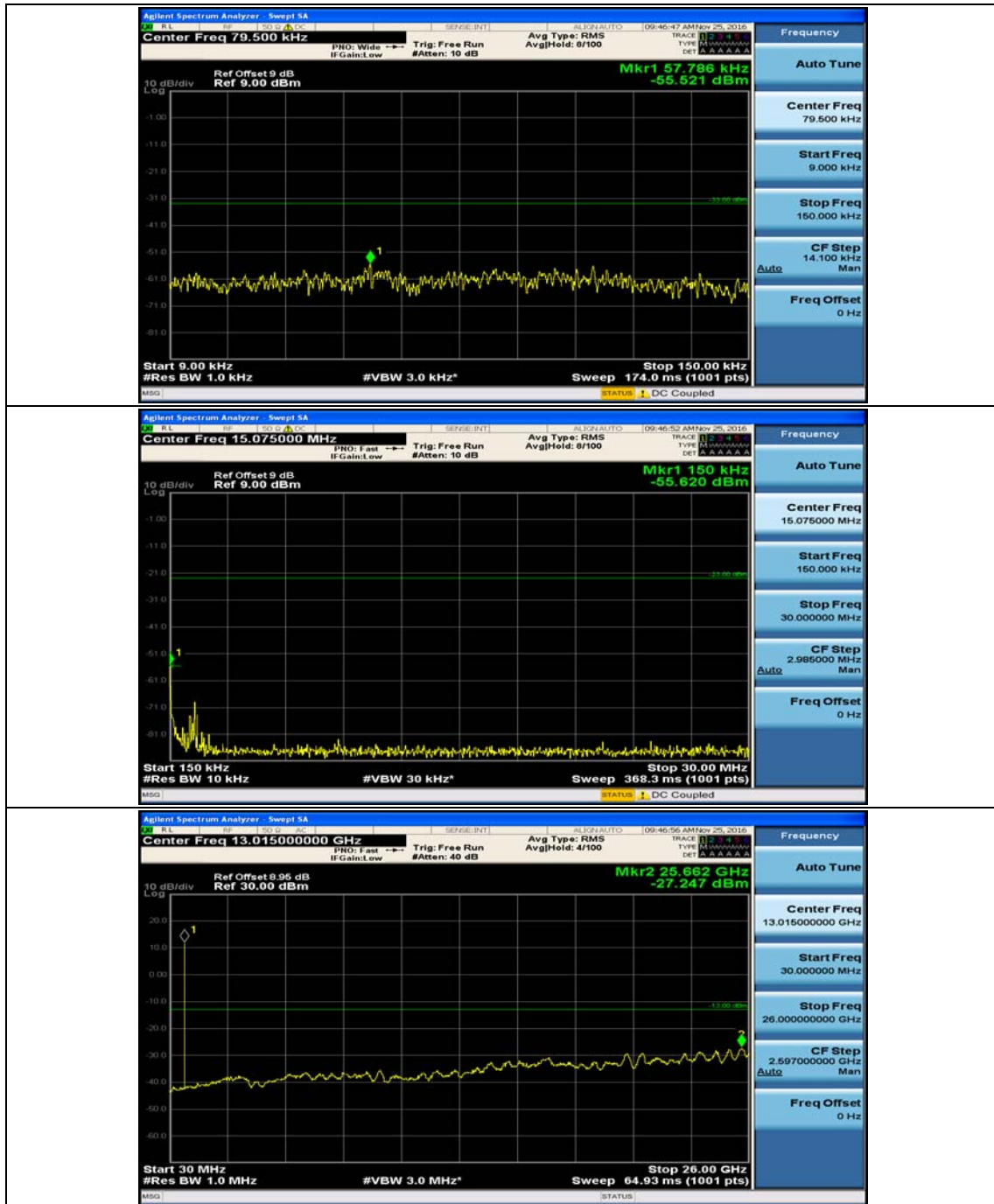




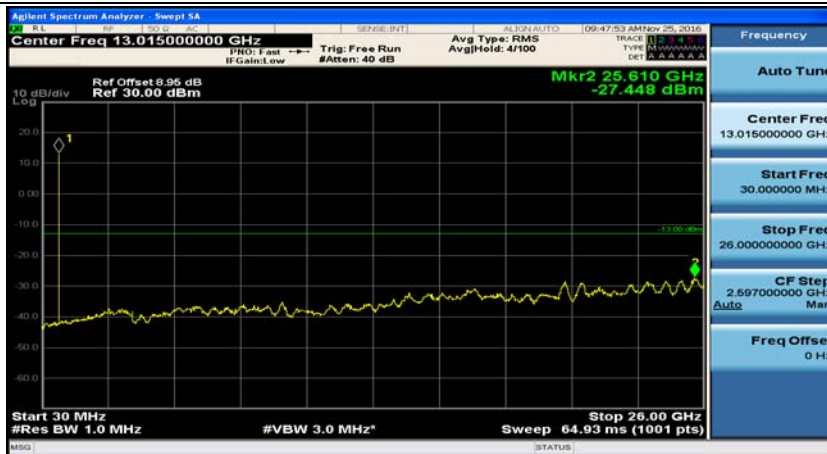
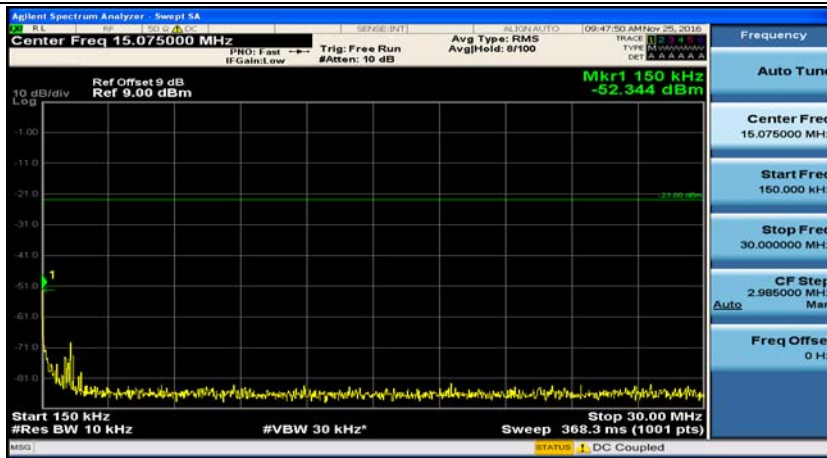
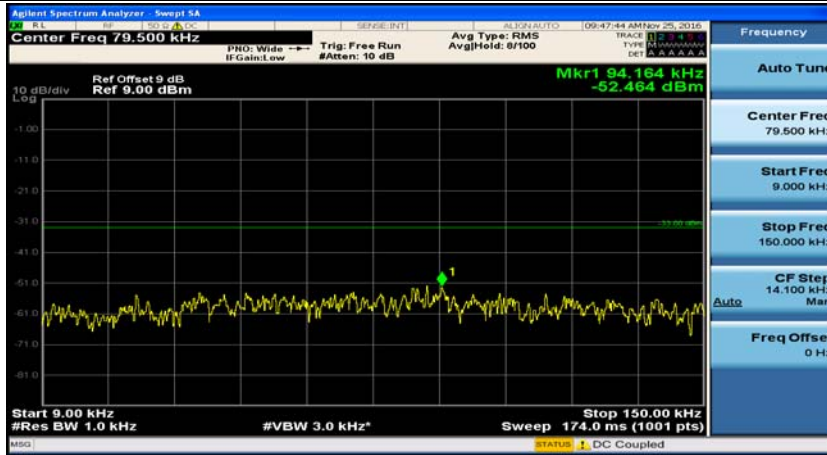
Channel Bandwidth: 10 MHz



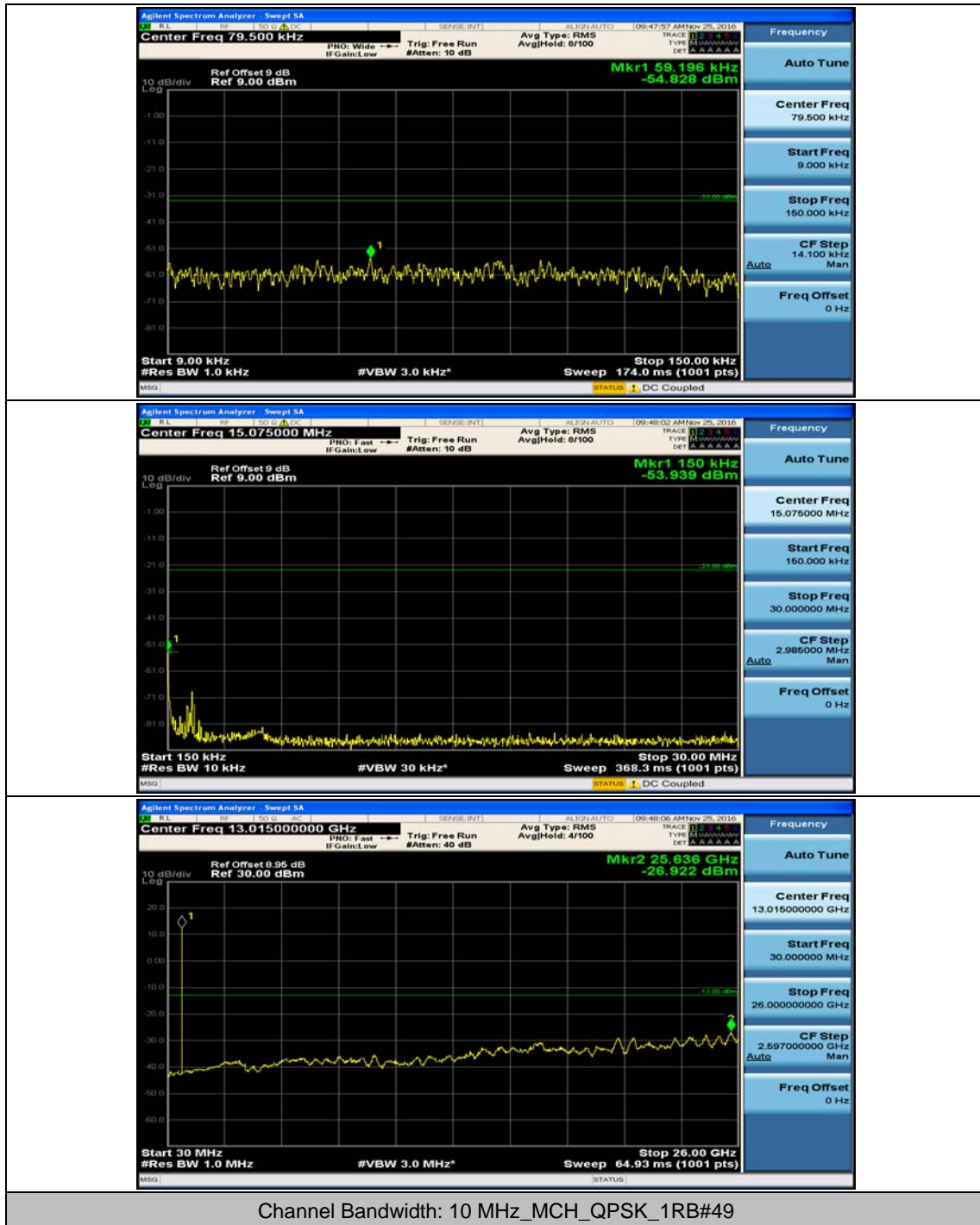


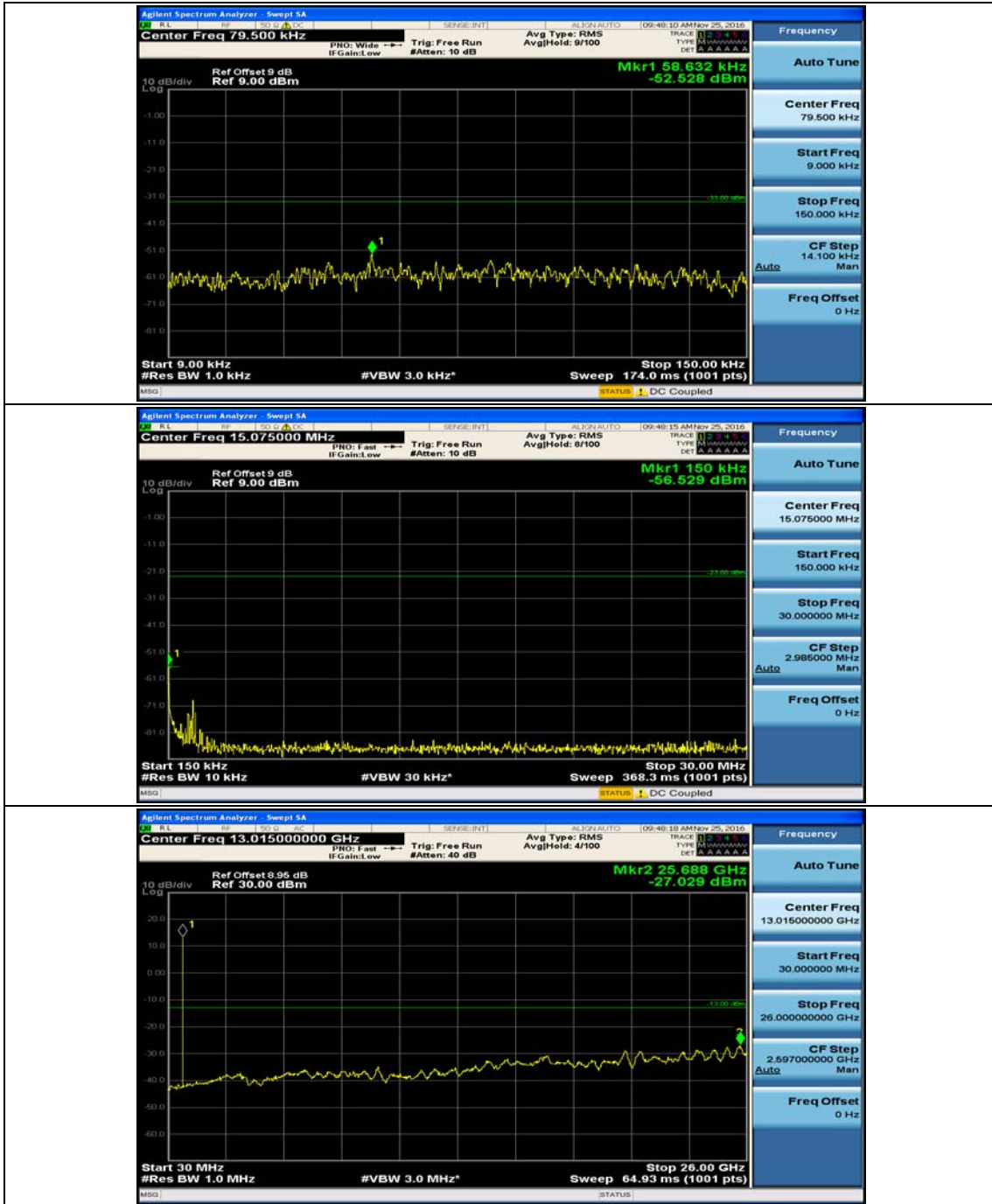


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

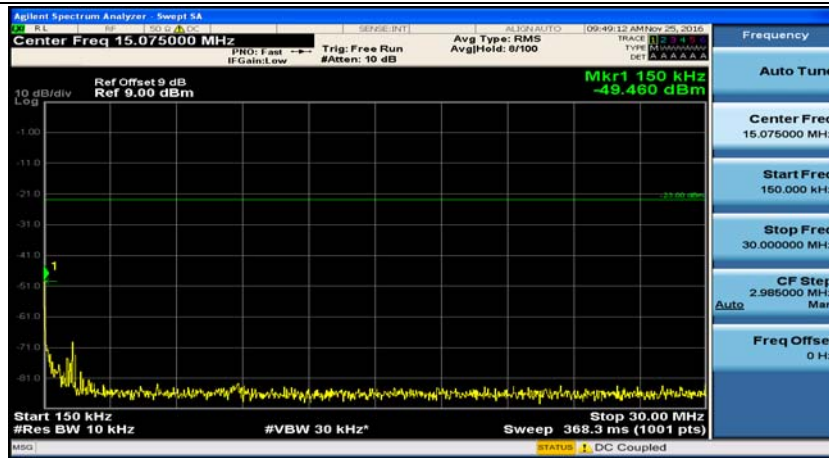
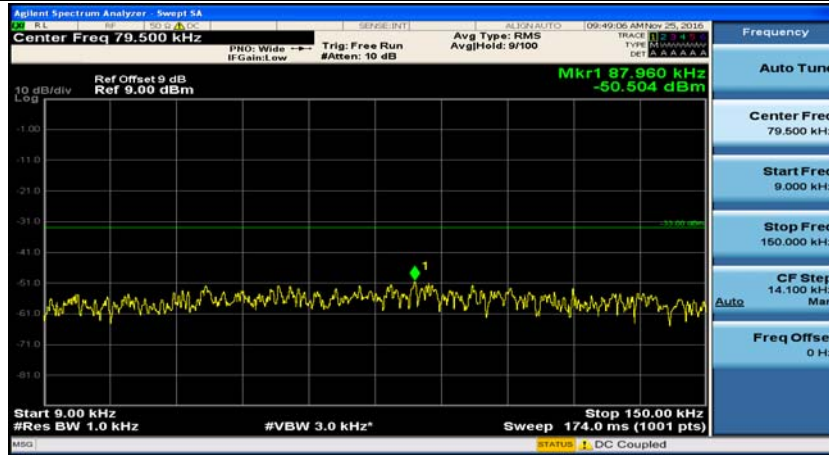


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

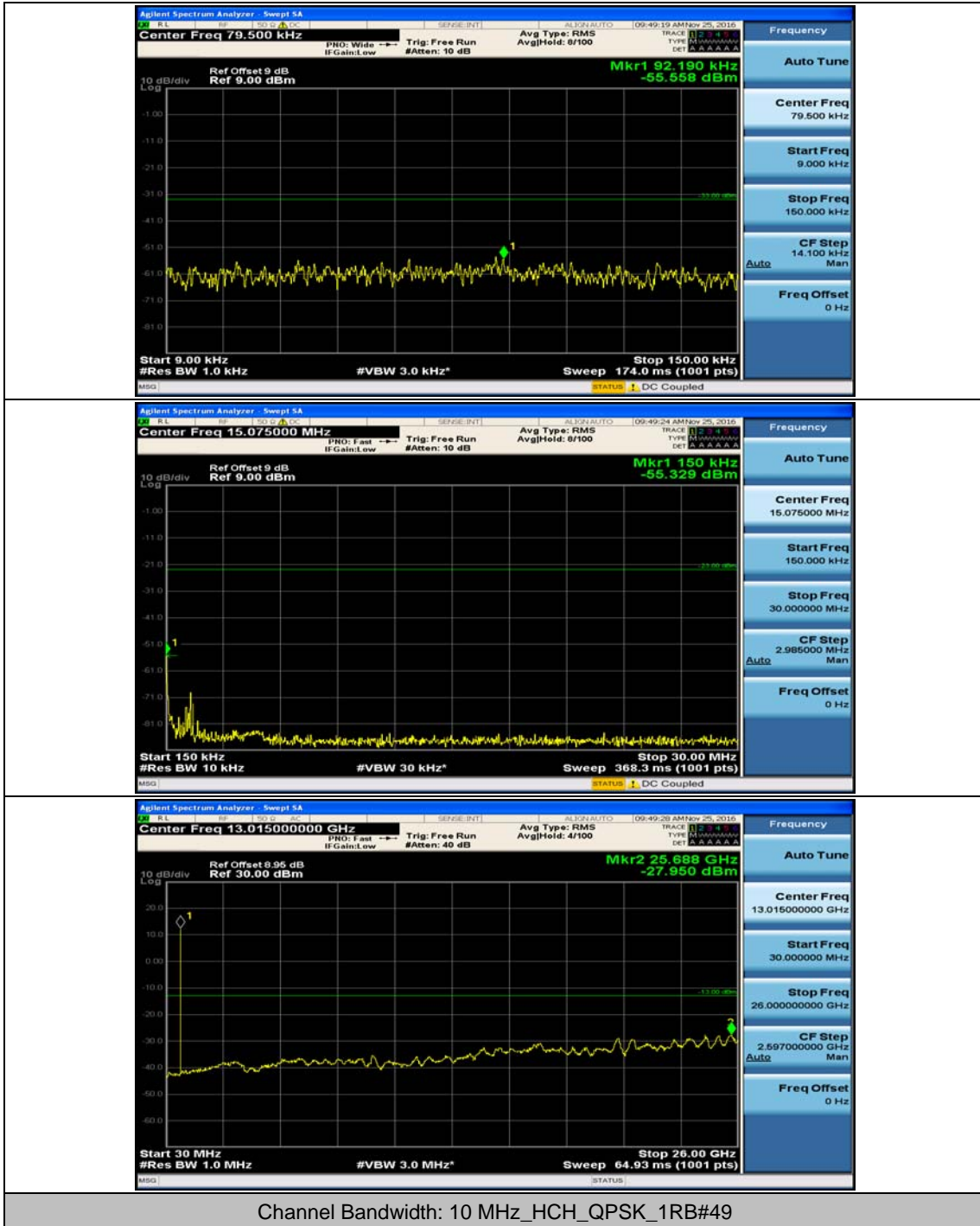


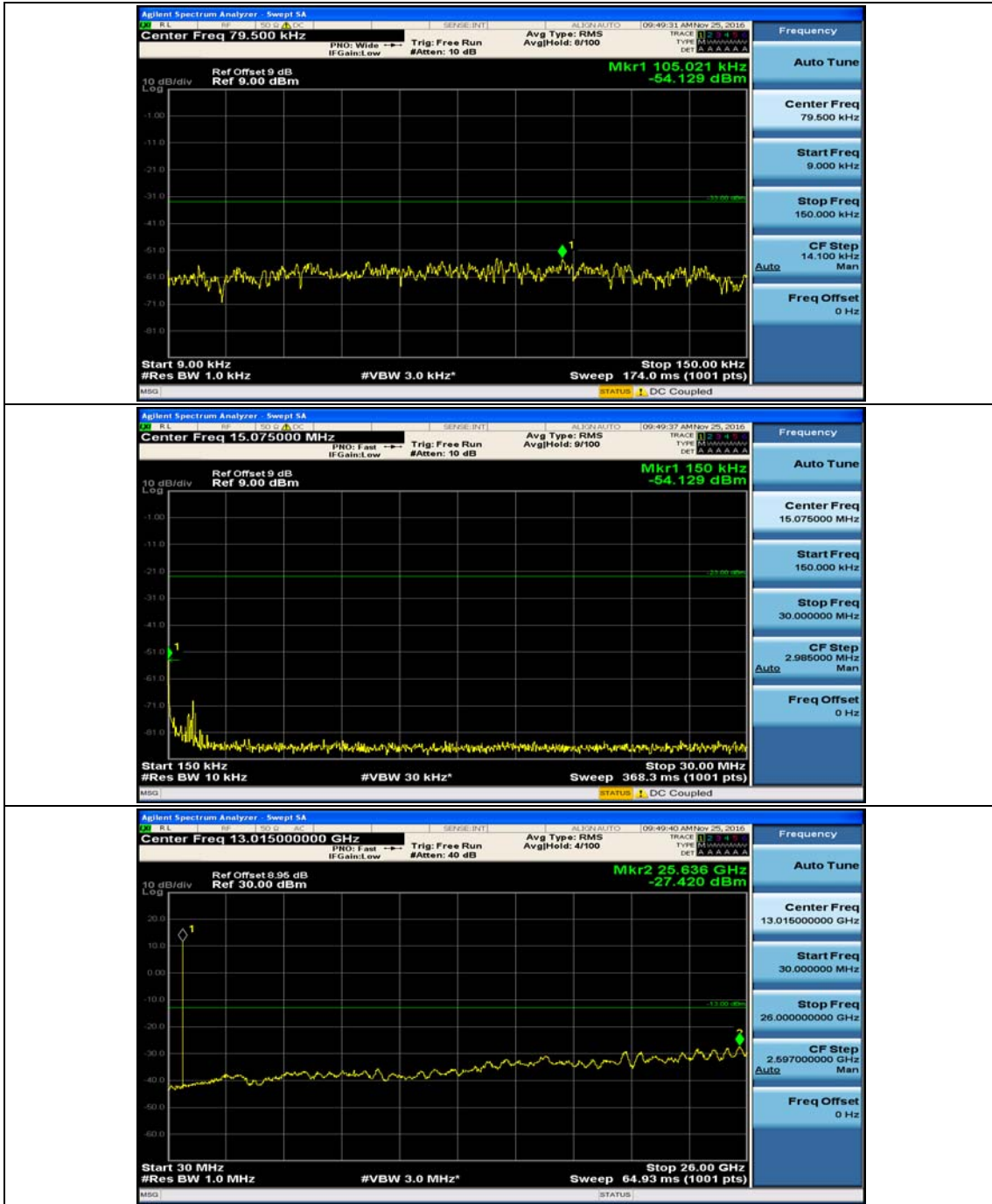


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

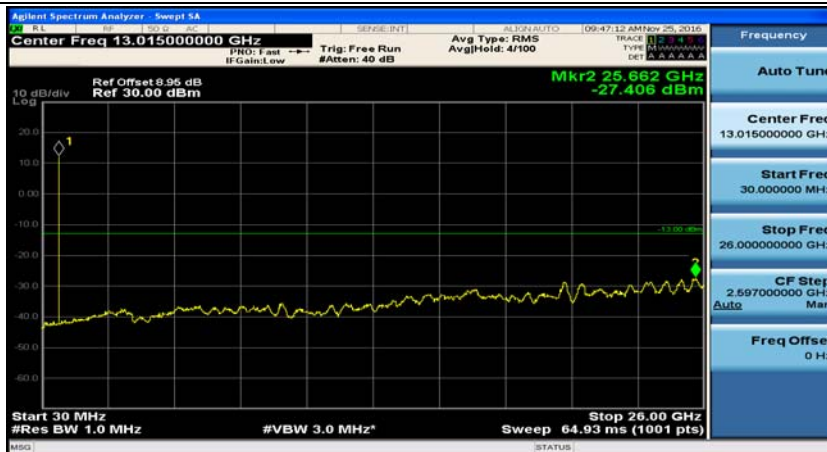
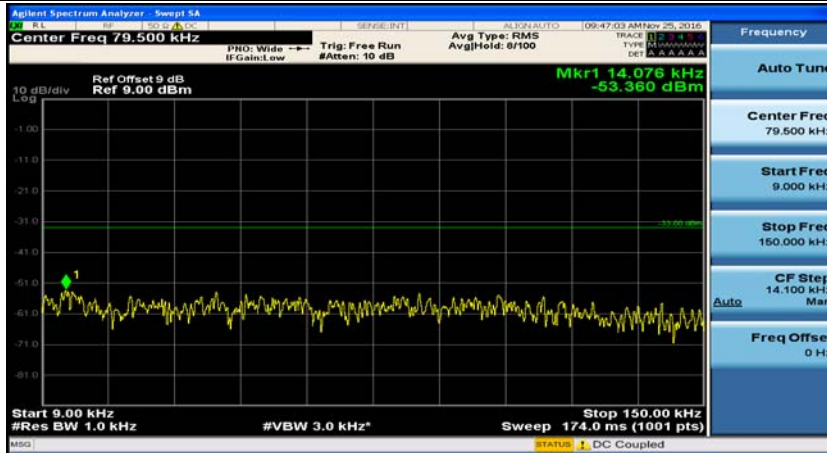


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

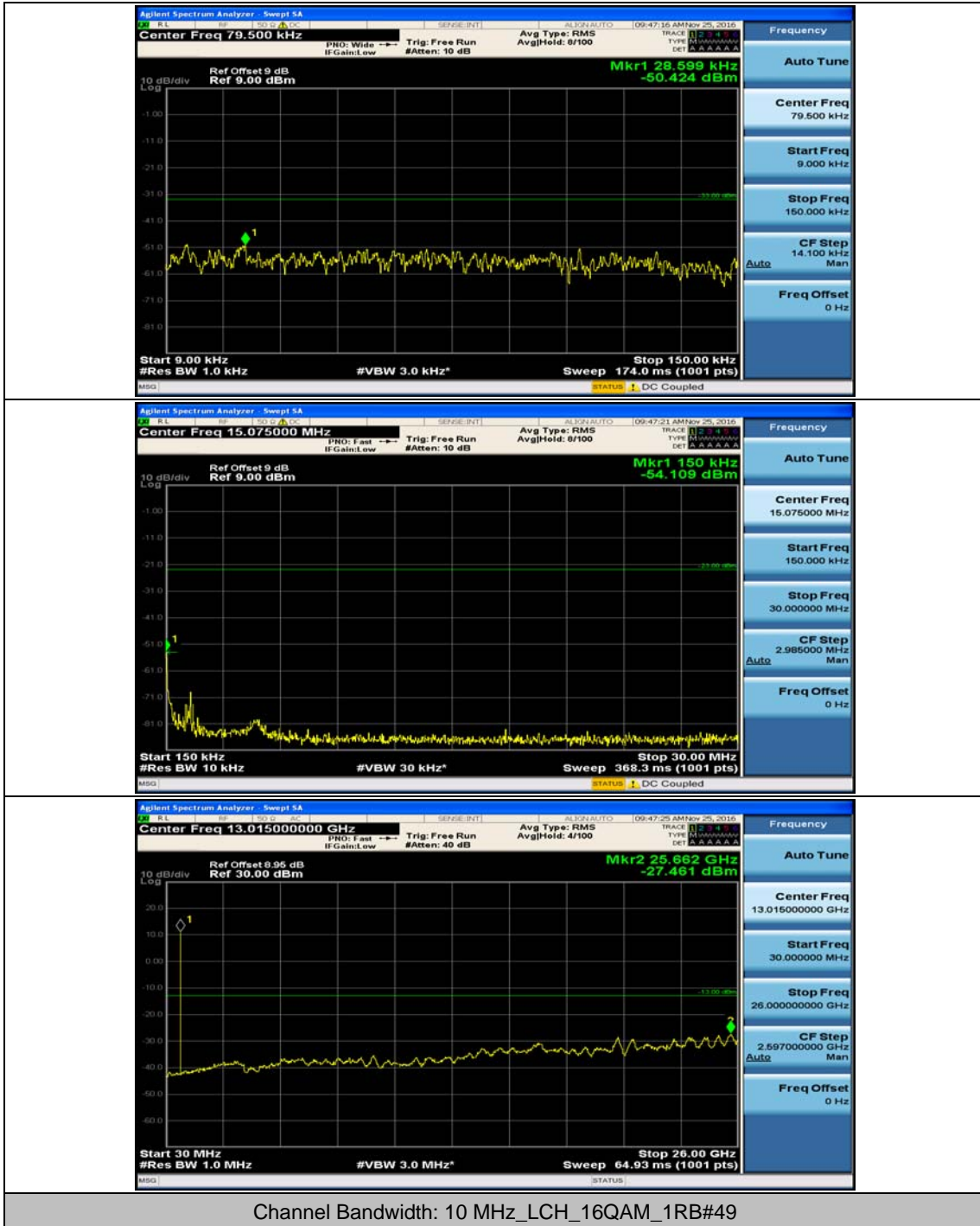


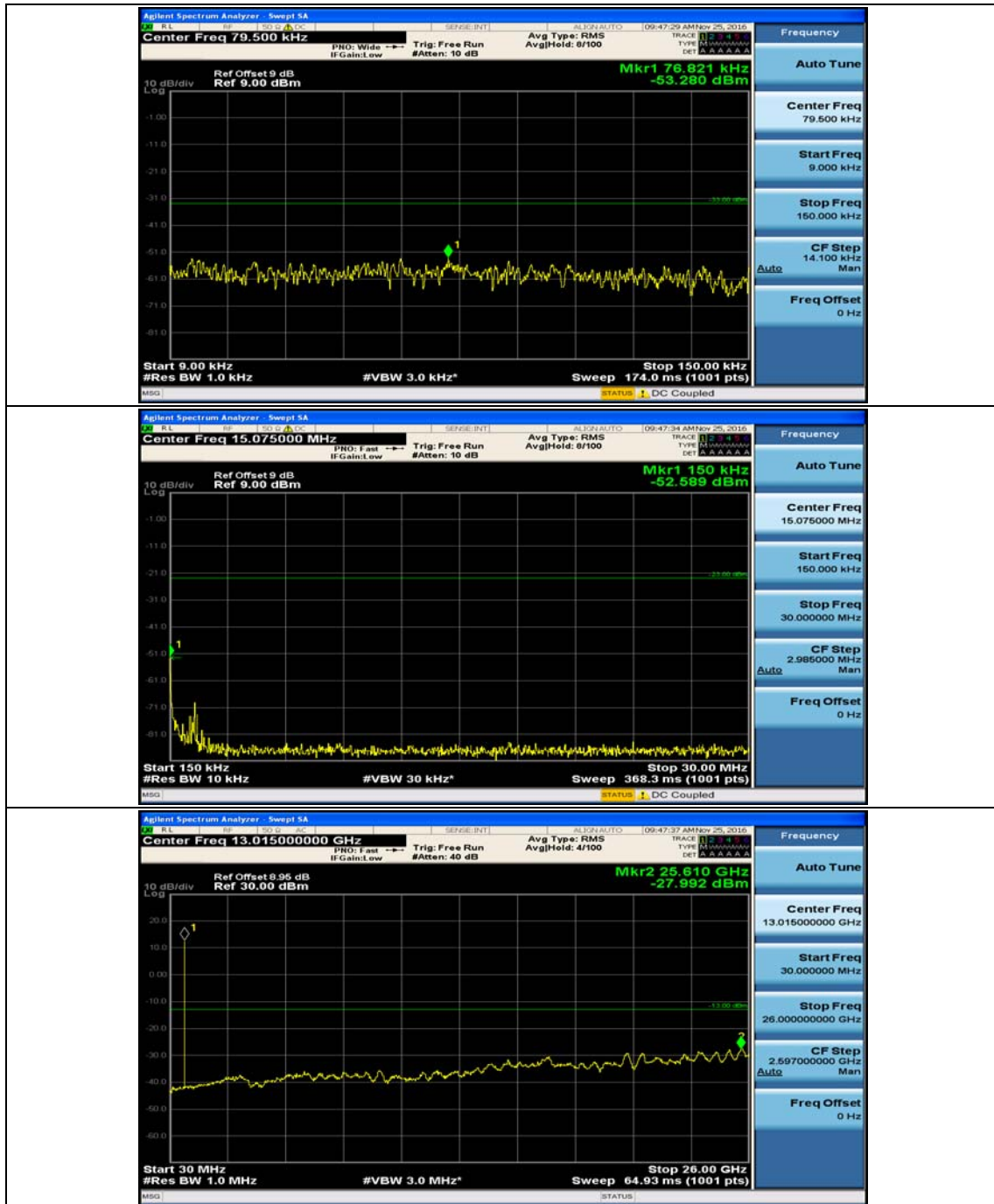


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

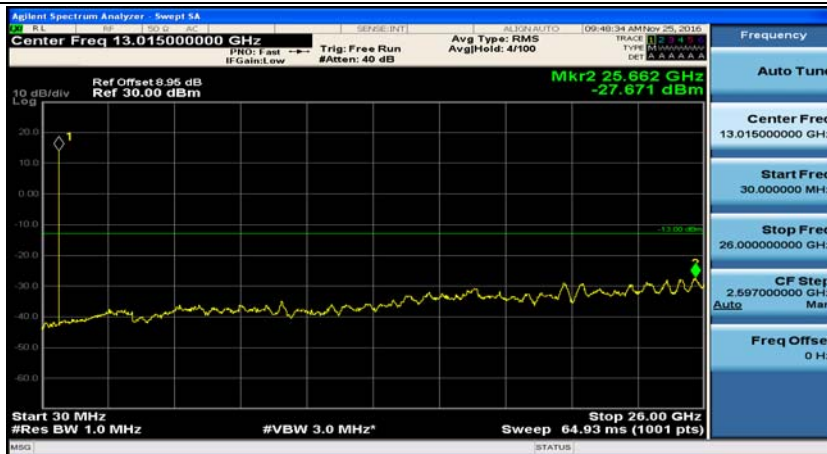
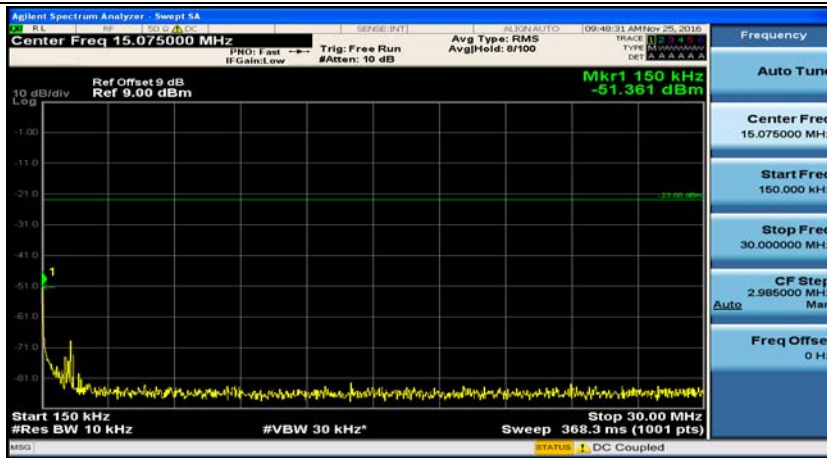


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

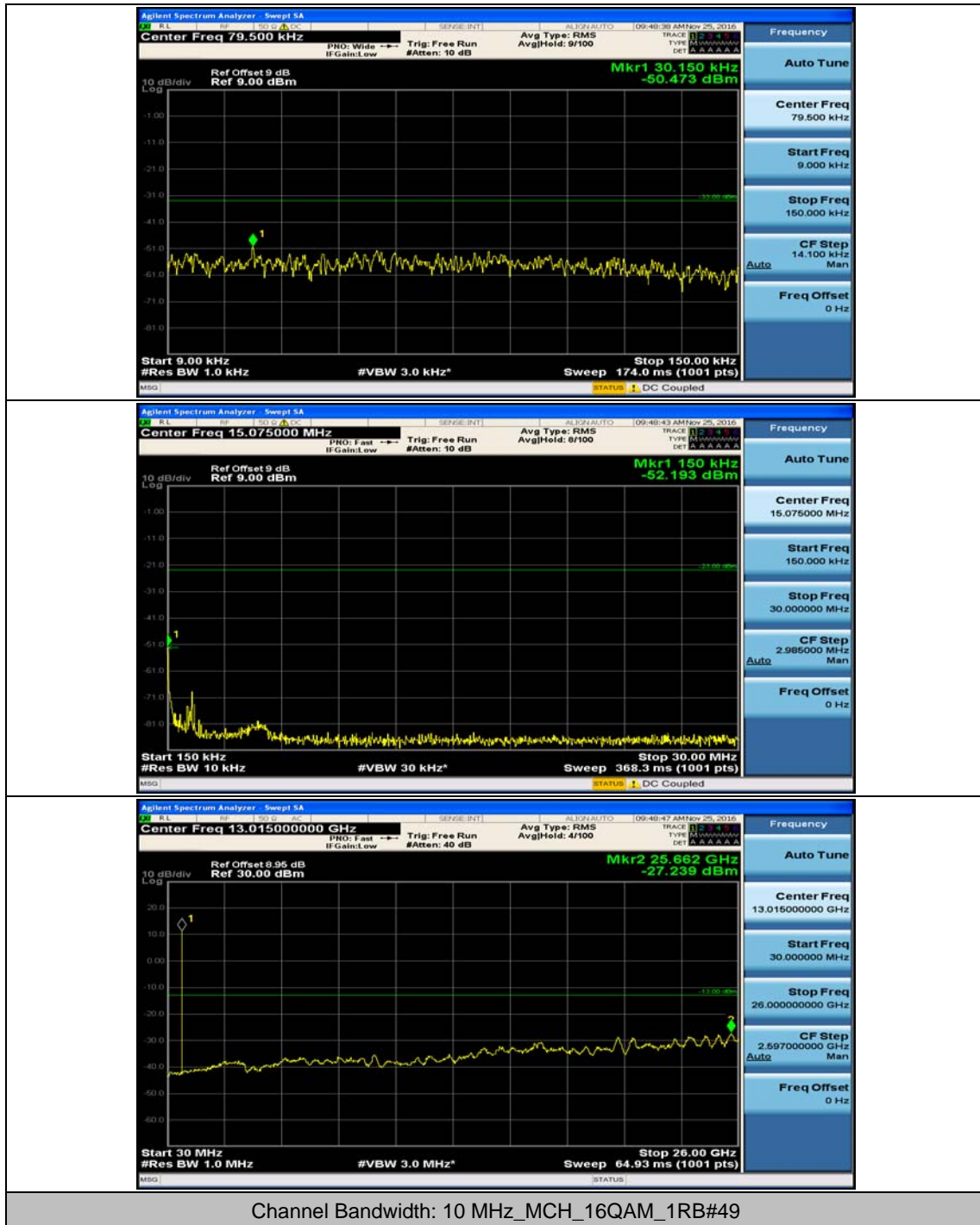


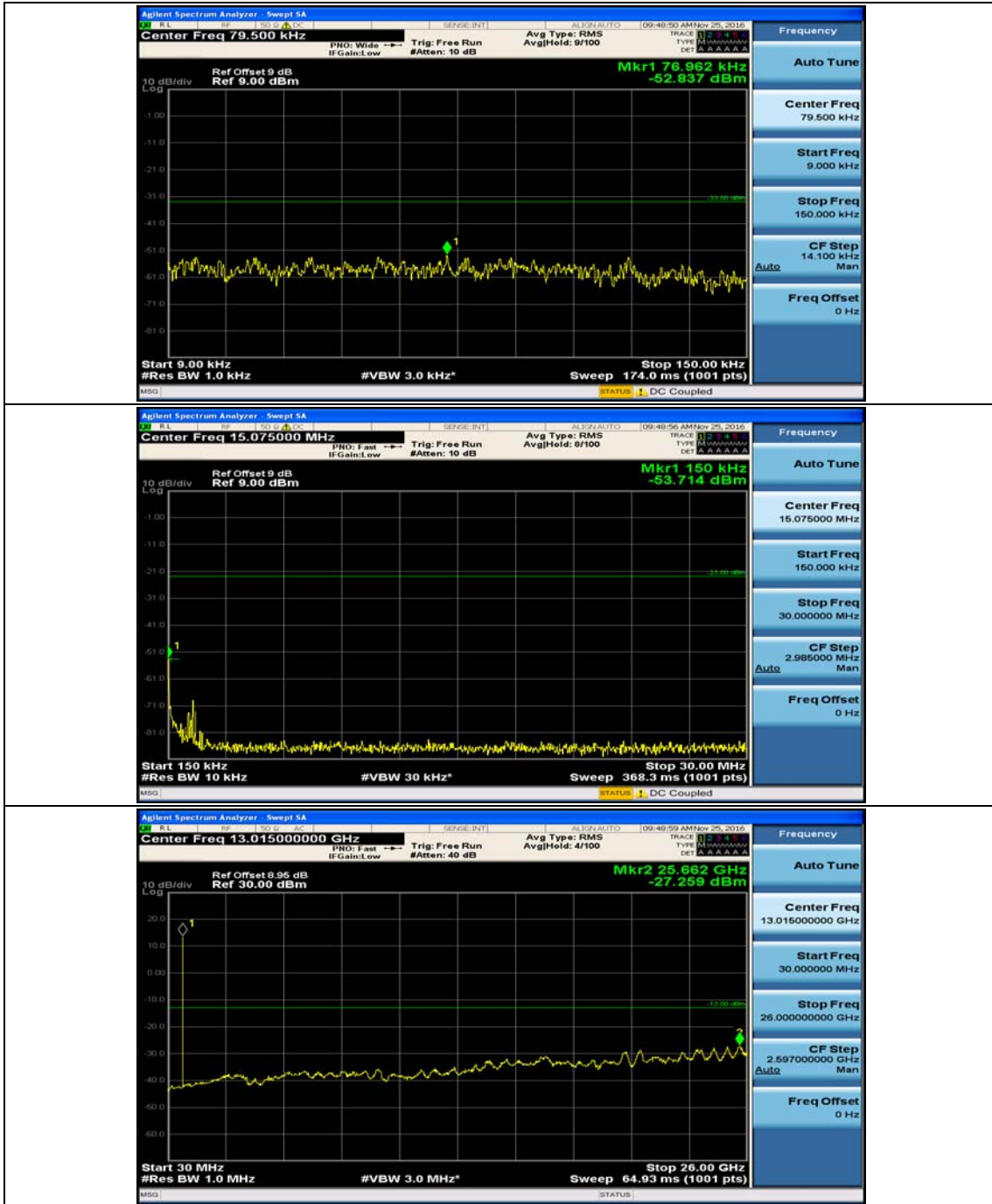


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

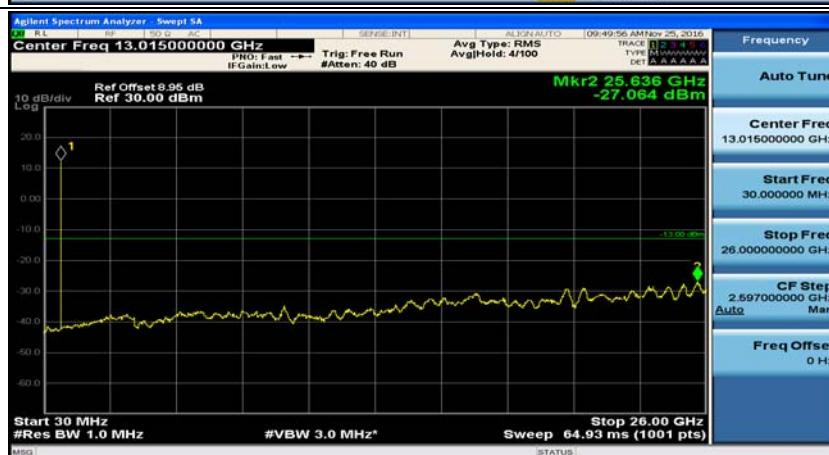


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

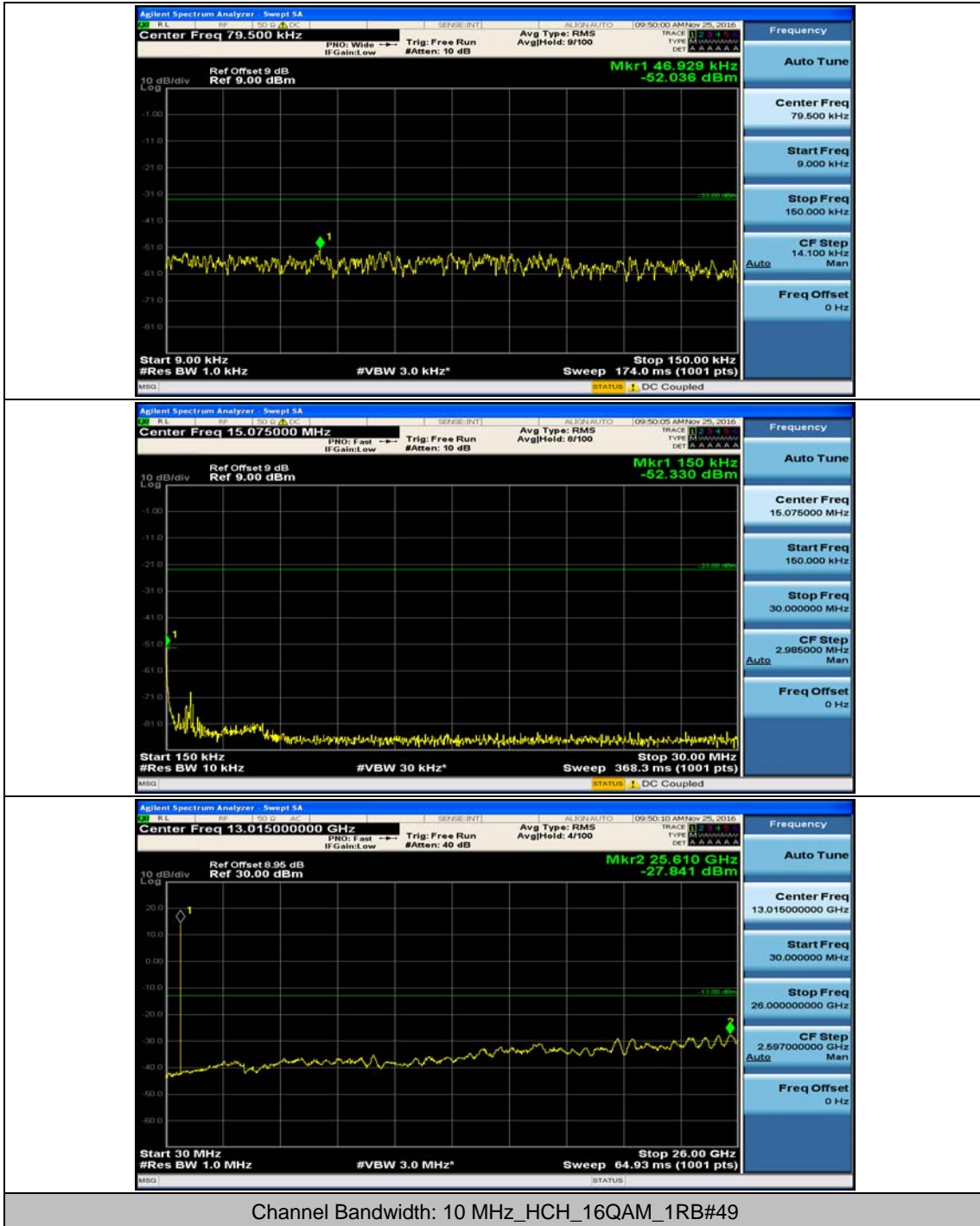




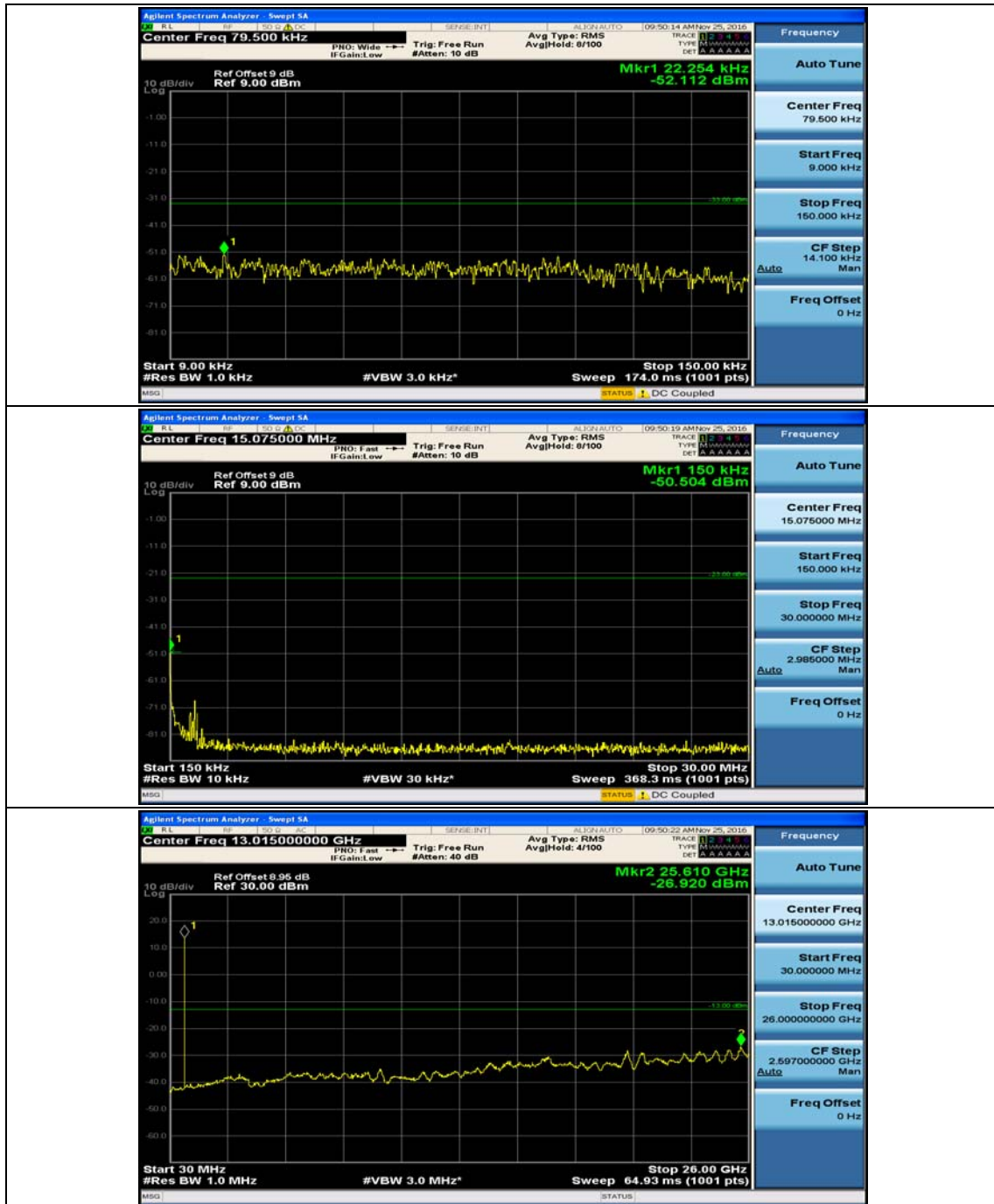
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



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	1.39	0.001967	± 2.5	PASS
		VN	TN	-1.26	-0.001783	± 2.5	PASS
		VH	TN	2.88	0.004076	± 2.5	PASS
	MCH	VL	TN	4.07	0.005732	± 2.5	PASS
		VN	TN	0.62	0.000873	± 2.5	PASS
		VH	TN	-1.93	-0.002718	± 2.5	PASS
	HCH	VL	TN	3.31	0.004639	± 2.5	PASS
		VN	TN	3.58	0.005018	± 2.5	PASS
		VH	TN	1.67	0.002341	± 2.5	PASS
16QAM	LCH	VL	TN	0.28	0.000396	± 2.5	PASS
		VN	TN	-1.52	-0.002151	± 2.5	PASS
		VH	TN	3.89	0.005506	± 2.5	PASS
	MCH	VL	TN	4.76	0.006704	± 2.5	PASS
		VN	TN	0.61	0.000859	± 2.5	PASS
		VH	TN	3.22	0.004535	± 2.5	PASS
	HCH	VL	TN	1.12	0.001570	± 2.5	PASS
		VN	TN	0.41	0.000575	± 2.5	PASS
		VH	TN	1.72	0.002411	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.59	0.003666	± 2.5	PASS
		VN	-20	-0.02	-0.000028	± 2.5	PASS
		VN	-10	-0.64	-0.000906	± 2.5	PASS
		VN	0	-1.78	-0.002519	± 2.5	PASS
		VN	10	1.47	0.002081	± 2.5	PASS
		VN	20	0.57	0.000807	± 2.5	PASS
		VN	30	3.98	0.005633	± 2.5	PASS
		VN	40	3.71	0.005251	± 2.5	PASS
		VN	50	3.08	0.004360	± 2.5	PASS
	MCH	VN	-30	2.17	0.003056	± 2.5	PASS
		VN	-20	2.04	0.002873	± 2.5	PASS
		VN	-10	-1.99	-0.002803	± 2.5	PASS

		VN	0	0.6	0.000845	± 2.5	PASS		
		VN	10	4.37	0.006155	± 2.5	PASS		
		VN	20	0.89	0.001254	± 2.5	PASS		
		VN	30	-1.86	-0.002620	± 2.5	PASS		
		VN	40	4.42	0.006225	± 2.5	PASS		
		VN	50	4.16	0.005859	± 2.5	PASS		
	HCH	VN	-30	-0.21	-0.000294	± 2.5	PASS		
		VN	-20	4.64	0.006503	± 2.5	PASS		
		VN	-10	0.94	0.001317	± 2.5	PASS		
		VN	0	3.88	0.005438	± 2.5	PASS		
		VN	10	-0.74	-0.001037	± 2.5	PASS		
		VN	20	3.5	0.004905	± 2.5	PASS		
		VN	30	-0.19	-0.000266	± 2.5	PASS		
		VN	40	-0.5	-0.000701	± 2.5	PASS		
		VN	50	3.15	0.004415	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.57	0.002222	± 2.5	PASS
				VN	-20	-1.46	-0.002067	± 2.5	PASS
				VN	-10	0.58	0.000821	± 2.5	PASS
VN	0			0.35	0.000495	± 2.5	PASS		
VN	10			3.1	0.004388	± 2.5	PASS		
VN	20			4.74	0.006709	± 2.5	PASS		
VN	30			2.8	0.003963	± 2.5	PASS		
VN	40			2.74	0.003878	± 2.5	PASS		
VN	50			1.24	0.001755	± 2.5	PASS		
MCH	VN		-30	2.47	0.003462	± 2.5	PASS		
	VN		-20	2.24	0.003139	± 2.5	PASS		
	VN		-10	0.52	0.000729	± 2.5	PASS		
	VN		0	3.51	0.004919	± 2.5	PASS		
	VN		10	1.87	0.002621	± 2.5	PASS		
	VN		20	0.37	0.000519	± 2.5	PASS		
	VN		30	-0.93	-0.001303	± 2.5	PASS		
	VN		40	0.64	0.000897	± 2.5	PASS		
	VN		50	0.41	0.000575	± 2.5	PASS		
HCH	VN		-30	-1.16	-0.001626	± 2.5	PASS		
	VN		-20	0.71	0.000995	± 2.5	PASS		
	VN		-10	1.07	0.001500	± 2.5	PASS		
	VN		0	-0.86	-0.001205	± 2.5	PASS		
	VN		10	2.8	0.003924	± 2.5	PASS		
	VN		20	-1.69	-0.002369	± 2.5	PASS		
	VN		30	2.12	0.002971	± 2.5	PASS		
	VN		40	2.15	0.003013	± 2.5	PASS		

		VN	50	4.14	0.005802	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.34	0.004711	± 2.5	PASS
		VN	TN	0.48	0.000677	± 2.5	PASS
		VH	TN	0.61	0.000860	± 2.5	PASS
	MCH	VL	TN	2.42	0.003408	± 2.5	PASS
		VN	TN	0.44	0.000620	± 2.5	PASS
		VH	TN	2.53	0.003563	± 2.5	PASS
	HCH	VL	TN	3.97	0.005584	± 2.5	PASS
		VN	TN	2.14	0.003010	± 2.5	PASS
		VH	TN	-0.08	-0.000113	± 2.5	PASS
16QAM	LCH	VL	TN	2.76	0.003893	± 2.5	PASS
		VN	TN	-0.84	-0.001185	± 2.5	PASS
		VH	TN	3.94	0.005557	± 2.5	PASS
	MCH	VL	TN	4.7	0.006620	± 2.5	PASS
		VN	TN	1.12	0.001577	± 2.5	PASS
		VH	TN	0.13	0.000183	± 2.5	PASS
	HCH	VL	TN	2.27	0.003193	± 2.5	PASS
		VN	TN	2.19	0.003080	± 2.5	PASS
		VH	TN	-1.36	-0.001913	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3.38	0.004767	± 2.5	PASS
		VN	-20	3.38	0.004767	± 2.5	PASS
		VN	-10	2.03	0.002863	± 2.5	PASS
		VN	0	4.35	0.006135	± 2.5	PASS
		VN	10	1.9	0.002680	± 2.5	PASS
		VN	20	-0.71	-0.001001	± 2.5	PASS
		VN	30	3.32	0.004683	± 2.5	PASS
		VN	40	1.59	0.002243	± 2.5	PASS
		VN	50	3.69	0.005205	± 2.5	PASS
	MCH	VN	-30	3.98	0.005606	± 2.5	PASS
		VN	-20	0.81	0.001141	± 2.5	PASS
		VN	-10	1.26	0.001775	± 2.5	PASS
		VN	0	3.77	0.005310	± 2.5	PASS
		VN	10	-0.35	-0.000493	± 2.5	PASS
		VN	20	-0.05	-0.000070	± 2.5	PASS

		VN	30	3.31	0.004662	± 2.5	PASS
		VN	40	4.47	0.006296	± 2.5	PASS
		VN	50	3.48	0.004901	± 2.5	PASS
	HCH	VN	-30	-1.95	-0.002743	± 2.5	PASS
		VN	-20	-1.11	-0.001561	± 2.5	PASS
		VN	-10	1.73	0.002433	± 2.5	PASS
		VN	0	2.33	0.003277	± 2.5	PASS
		VN	10	-0.25	-0.000352	± 2.5	PASS
		VN	20	1.11	0.001561	± 2.5	PASS
		VN	30	1.85	0.002602	± 2.5	PASS
		VN	40	-1.81	-0.002546	± 2.5	PASS
		VN	50	2.22	0.003122	± 2.5	PASS
QPSK	LCH	VN	-30	-0.23	-0.000324	± 2.5	PASS
		VN	-20	4.94	0.006958	± 2.5	PASS
		VN	-10	3.05	0.004296	± 2.5	PASS
		VN	0	1	0.001408	± 2.5	PASS
		VN	10	0.61	0.000859	± 2.5	PASS
		VN	20	4.8	0.006761	± 2.5	PASS
		VN	30	2.47	0.003479	± 2.5	PASS
		VN	40	0.35	0.000493	± 2.5	PASS
		VN	50	2.45	0.003451	± 2.5	PASS
	MCH	VN	-30	2.29	0.003221	± 2.5	PASS
		VN	-20	3.83	0.005387	± 2.5	PASS
		VN	-10	0.89	0.001252	± 2.5	PASS
		VN	0	2.9	0.004079	± 2.5	PASS
		VN	10	1.48	0.002082	± 2.5	PASS
		VN	20	-1.07	-0.001505	± 2.5	PASS
		VN	30	2.38	0.003347	± 2.5	PASS
		VN	40	-1.41	-0.001983	± 2.5	PASS
		VN	50	-1.54	-0.002166	± 2.5	PASS
	HCH	VN	-30	3.44	0.004838	± 2.5	PASS
		VN	-20	4.84	0.006807	± 2.5	PASS
		VN	-10	4.97	0.006990	± 2.5	PASS
		VN	0	2.47	0.003474	± 2.5	PASS
		VN	10	-1.21	-0.001702	± 2.5	PASS
		VN	20	-0.31	-0.000436	± 2.5	PASS
		VN	30	-0.9	-0.001266	± 2.5	PASS
		VN	40	3.47	0.004880	± 2.5	PASS
		VN	50	4.81	0.006765	± 2.5	PASS