

Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



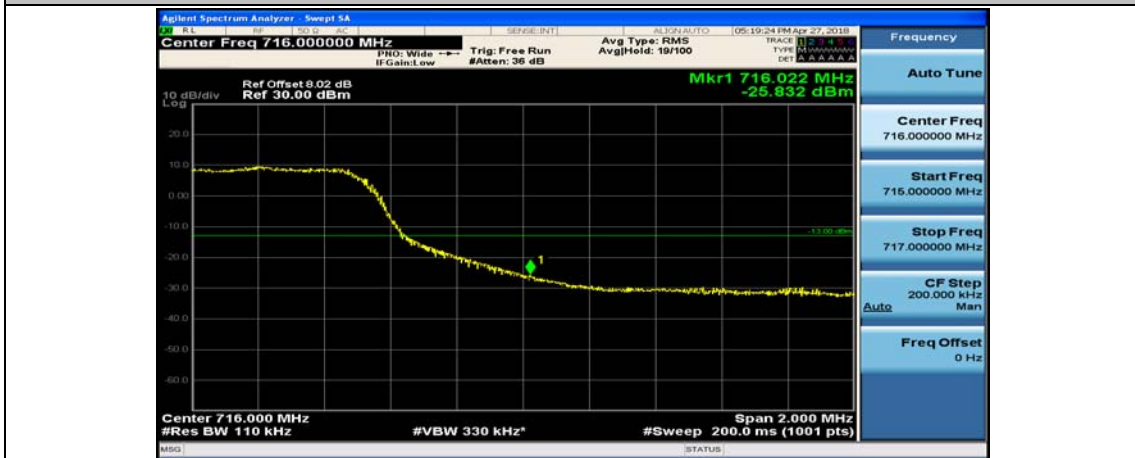
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



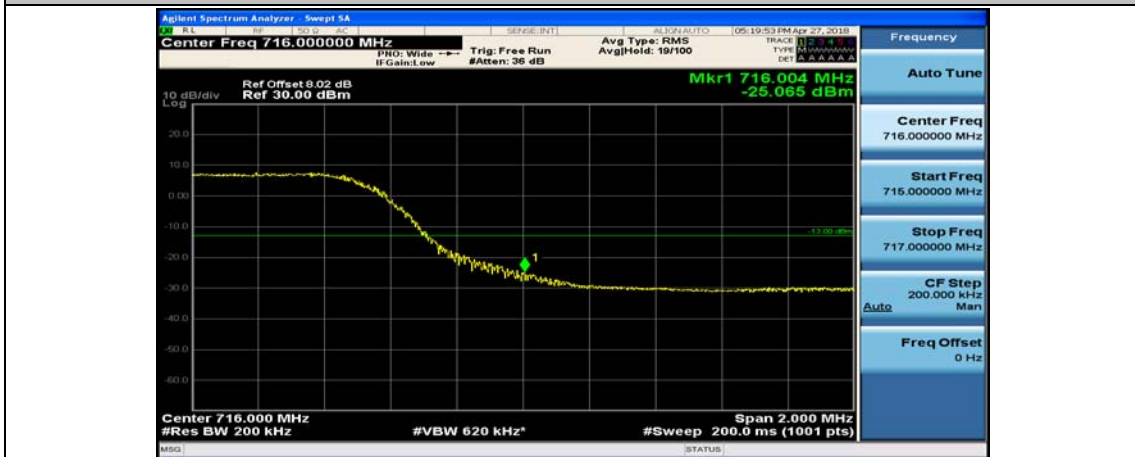
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



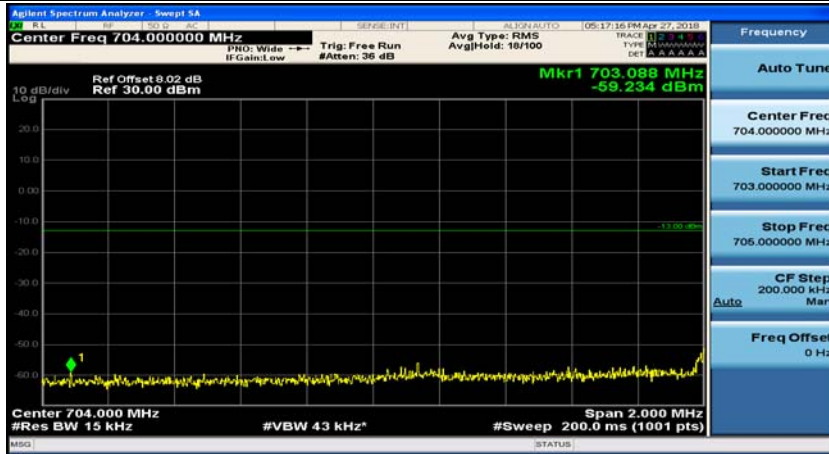
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



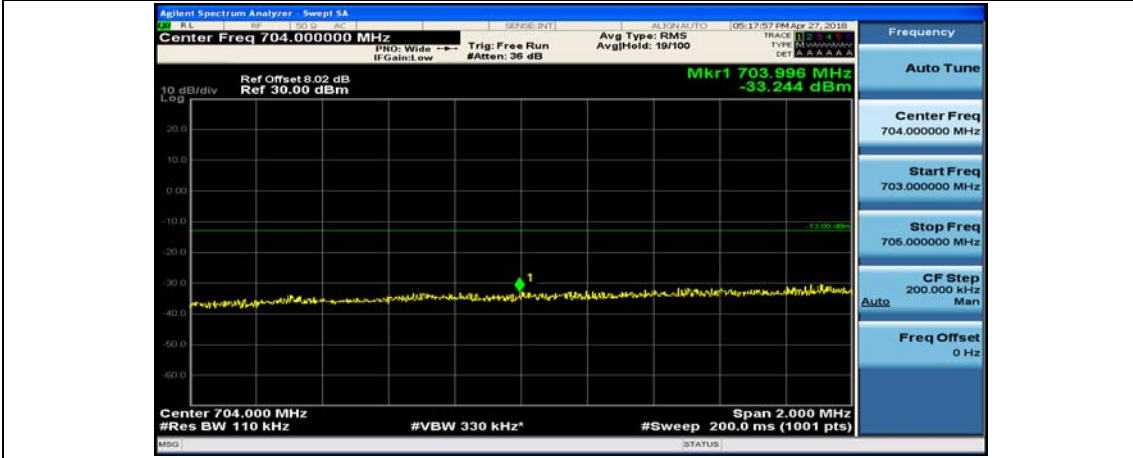
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



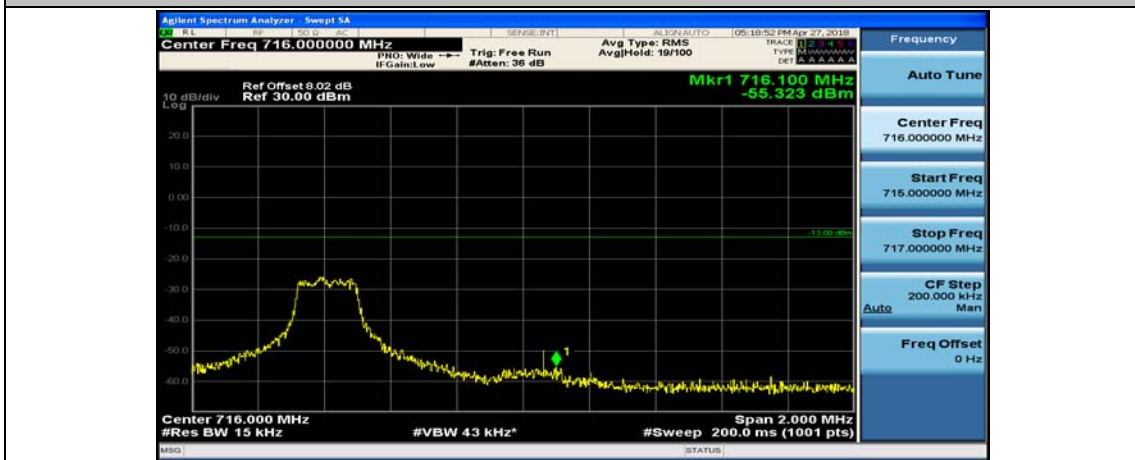
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



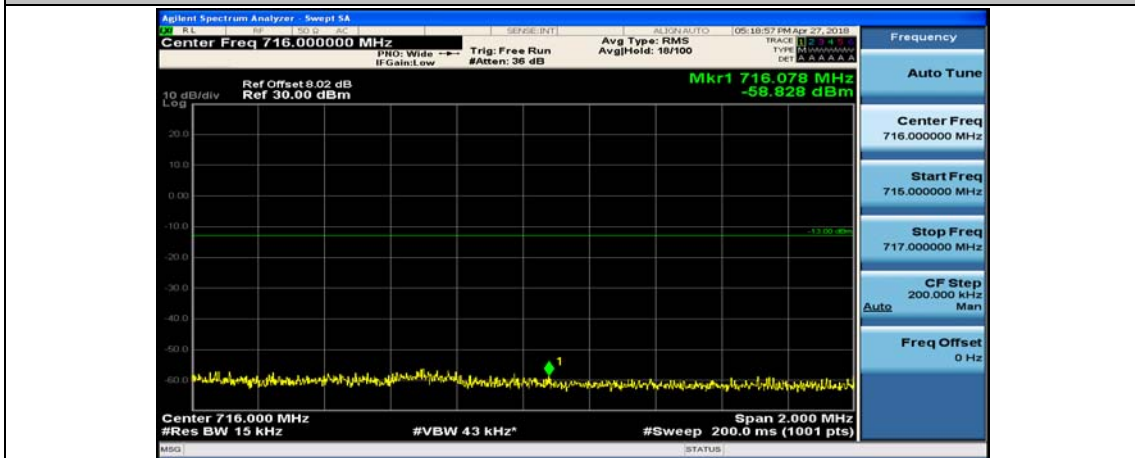
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



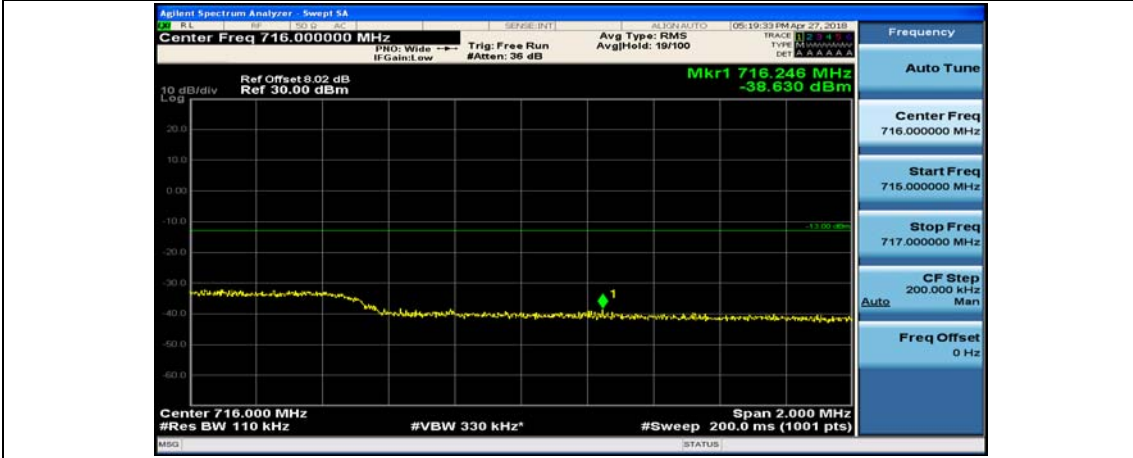
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



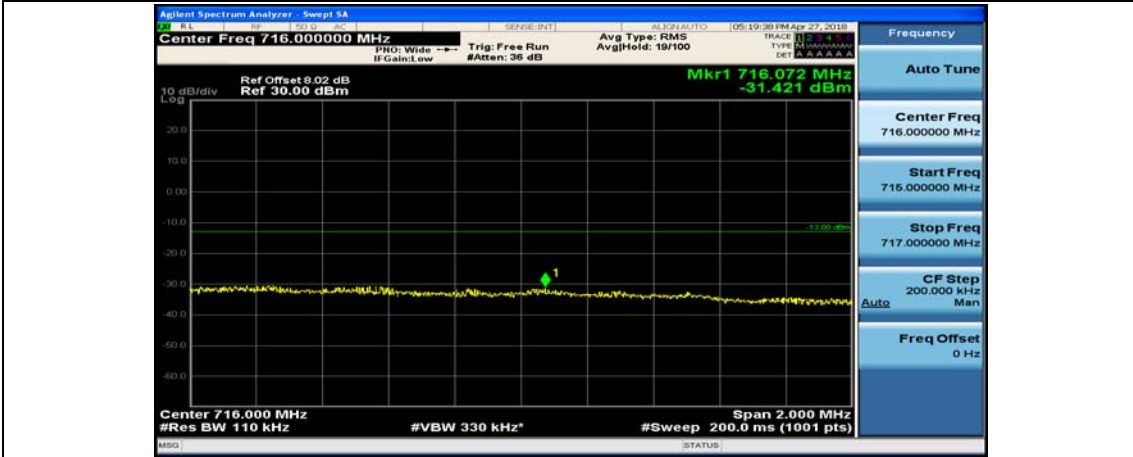
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



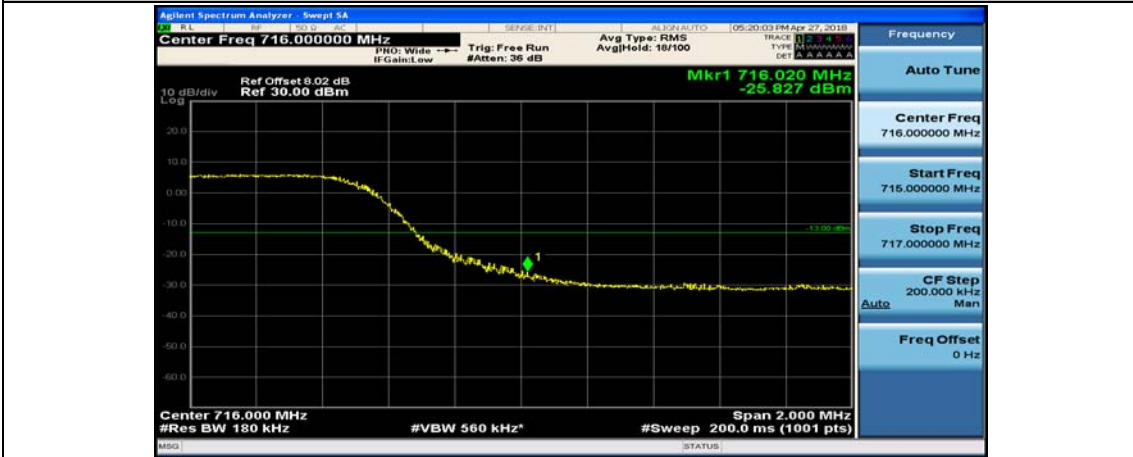
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



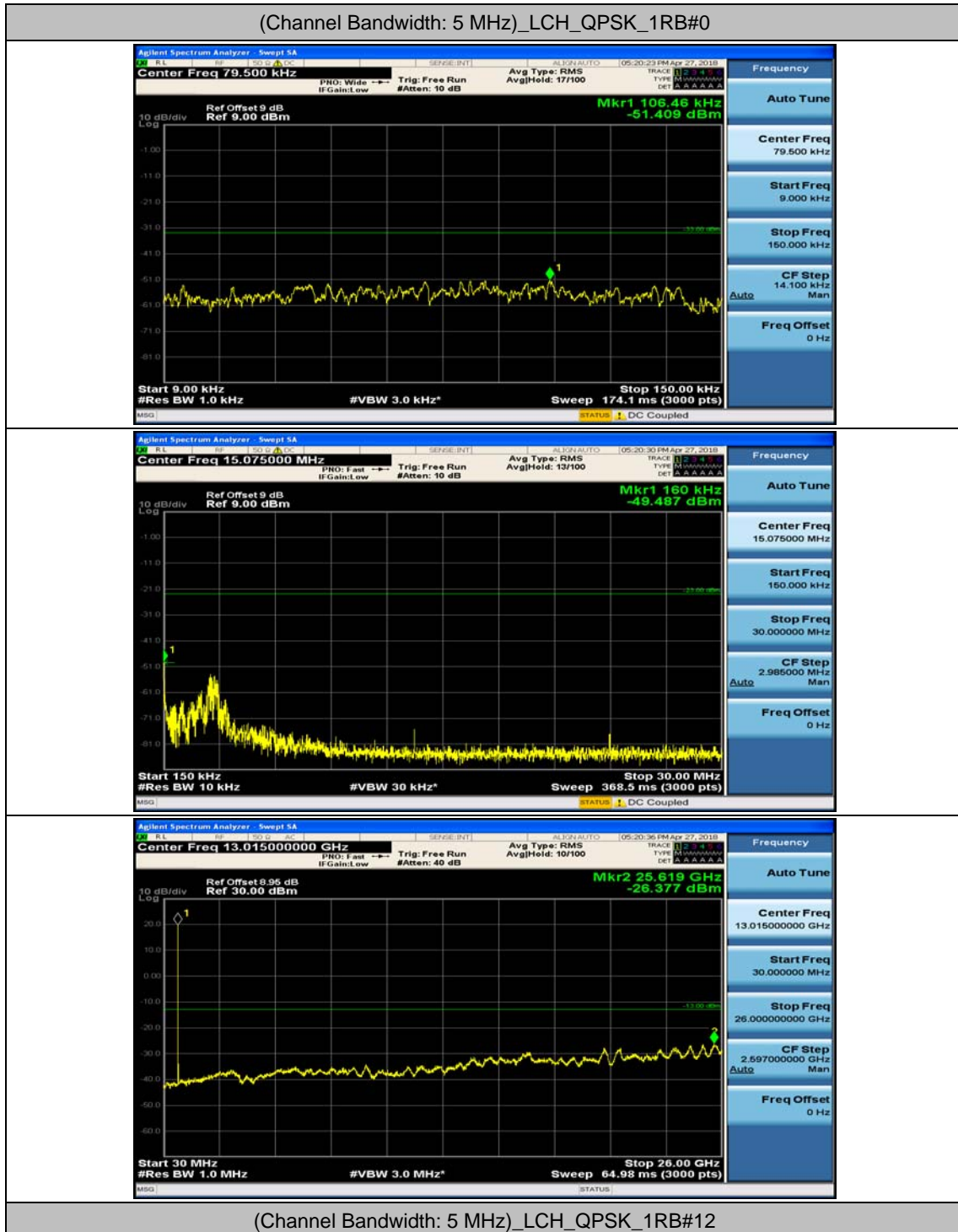
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

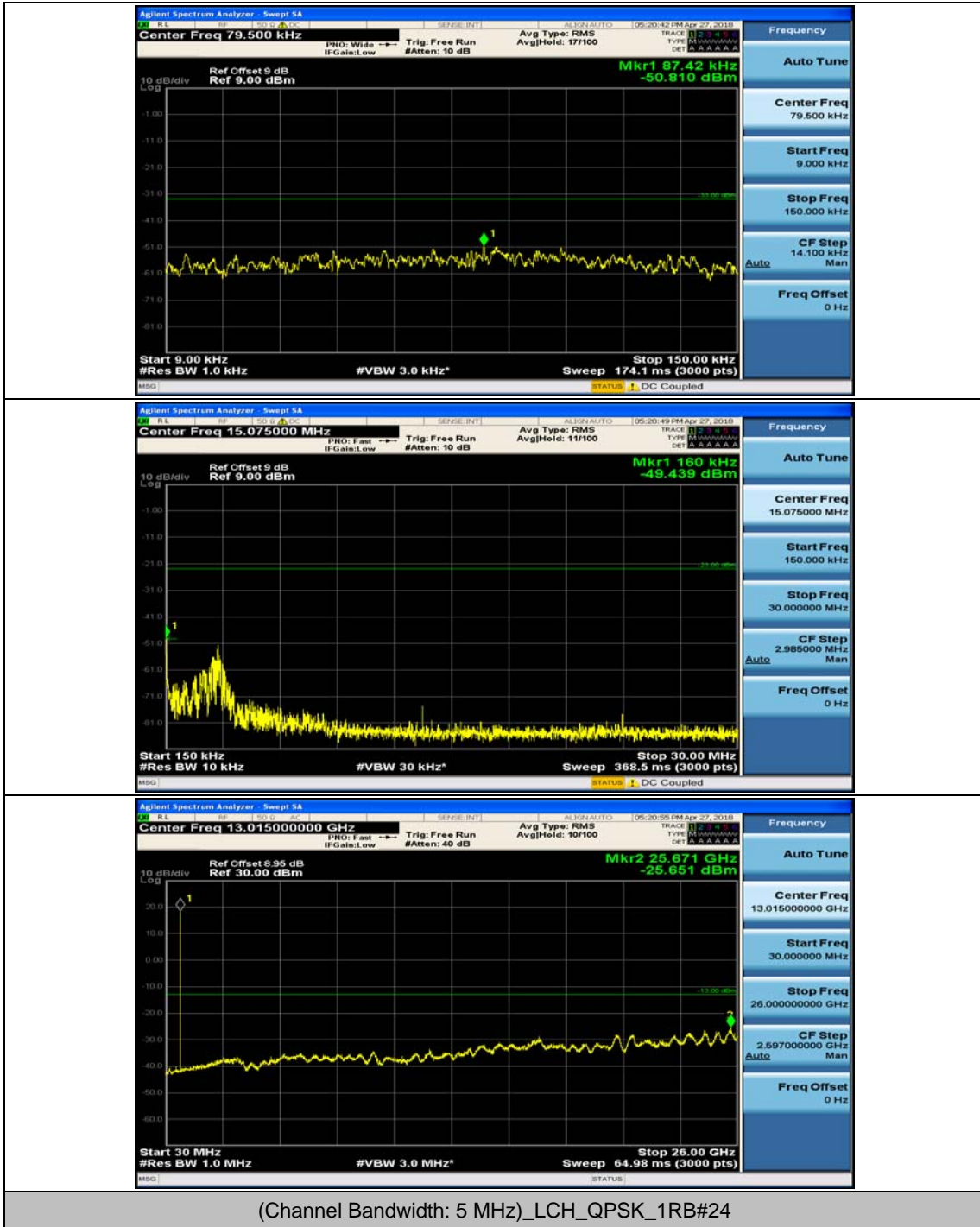


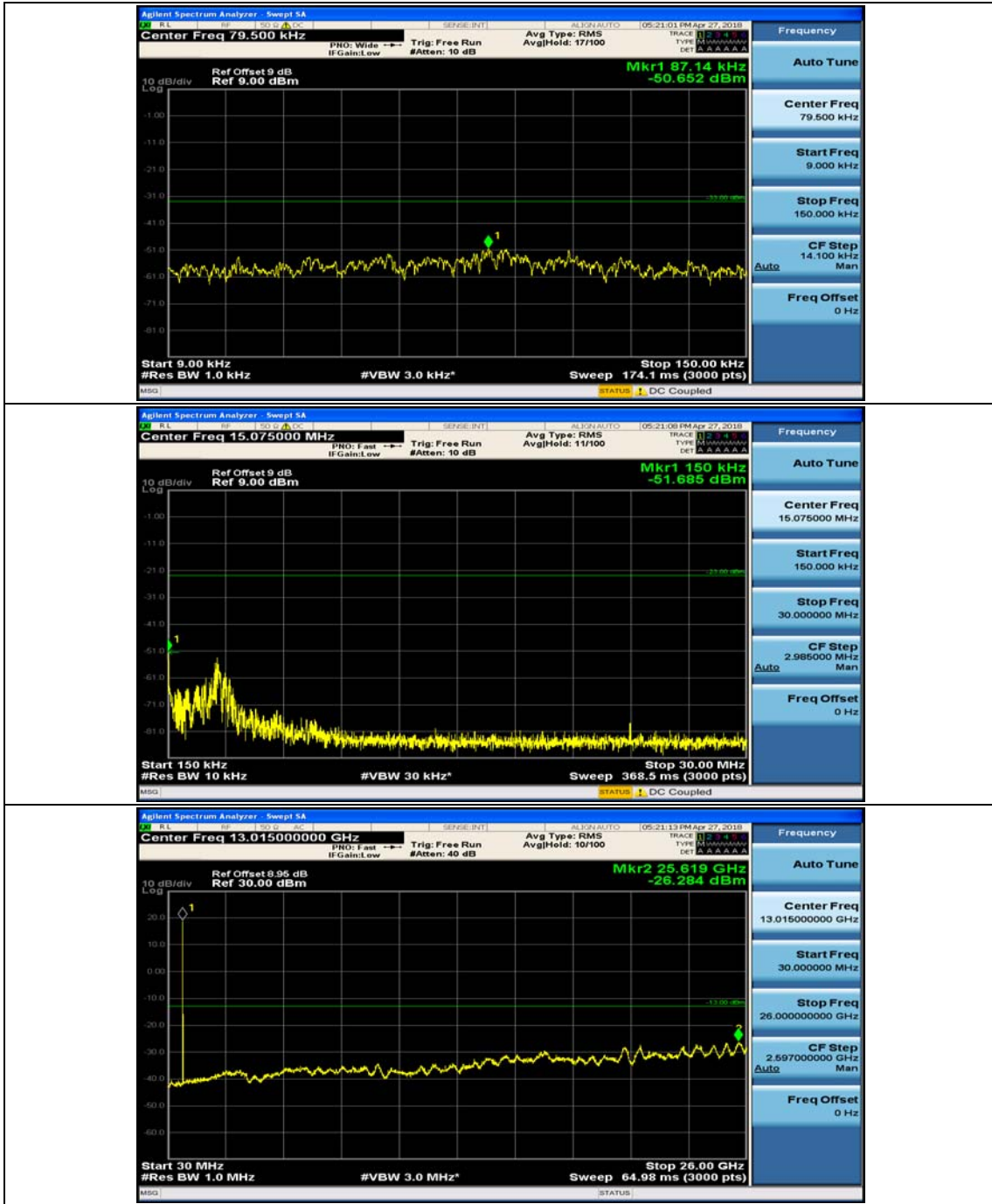
Appendix E: Conducted Spurious Emission

Test Graphs

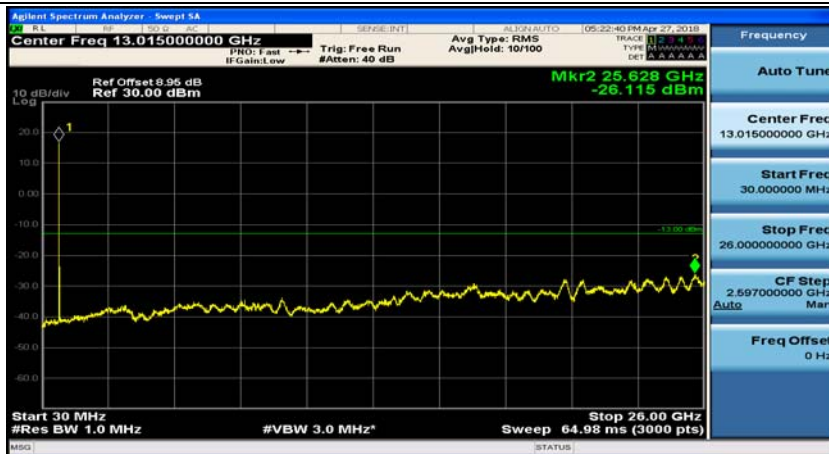
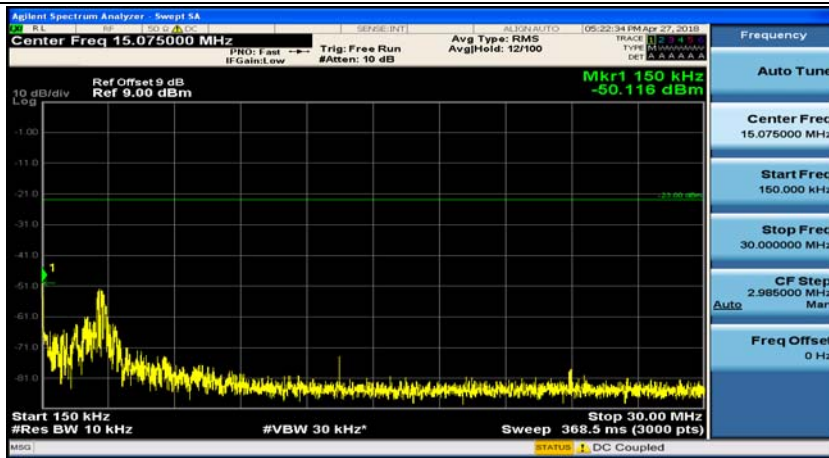
Channel Bandwidth: 5 MHz



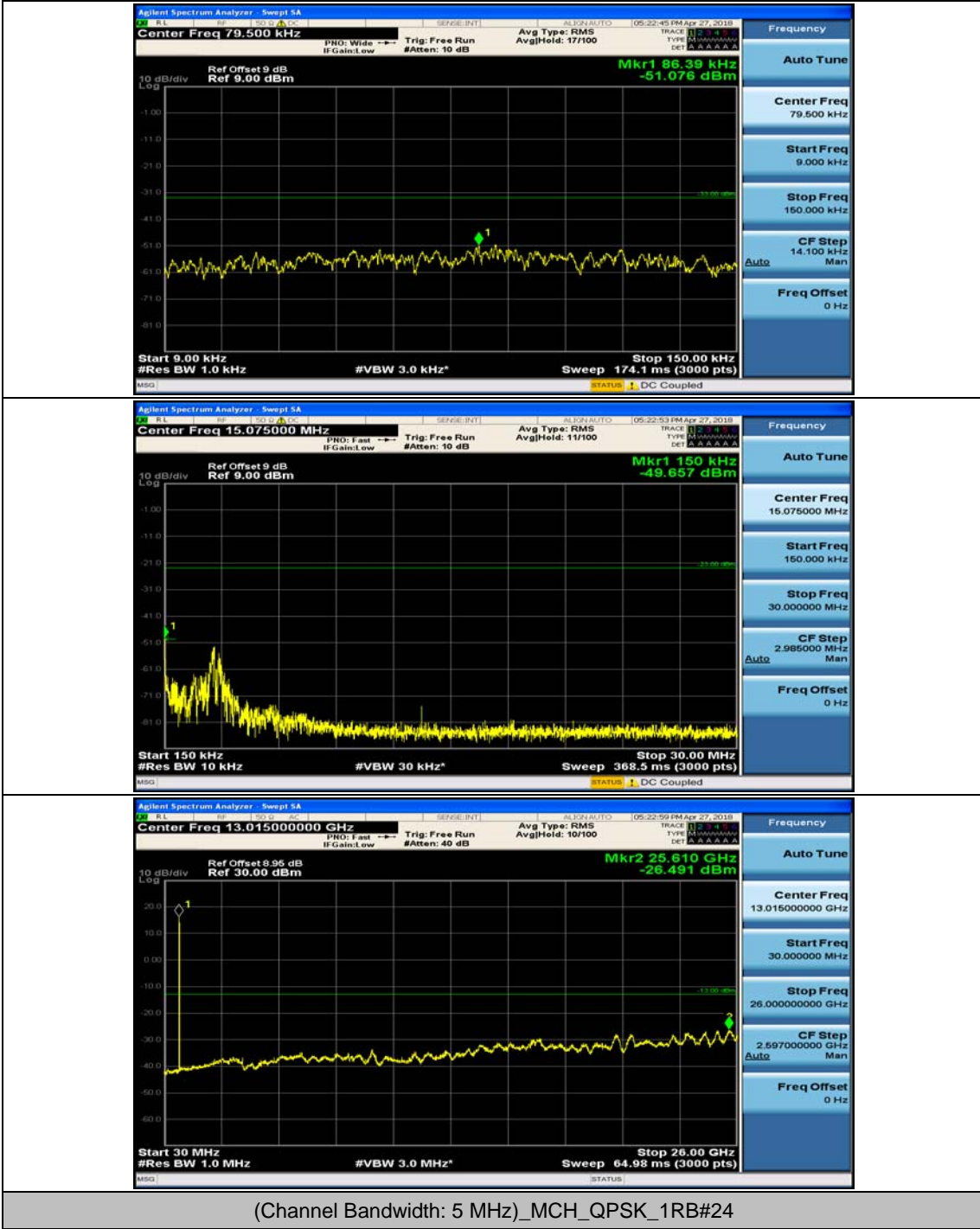


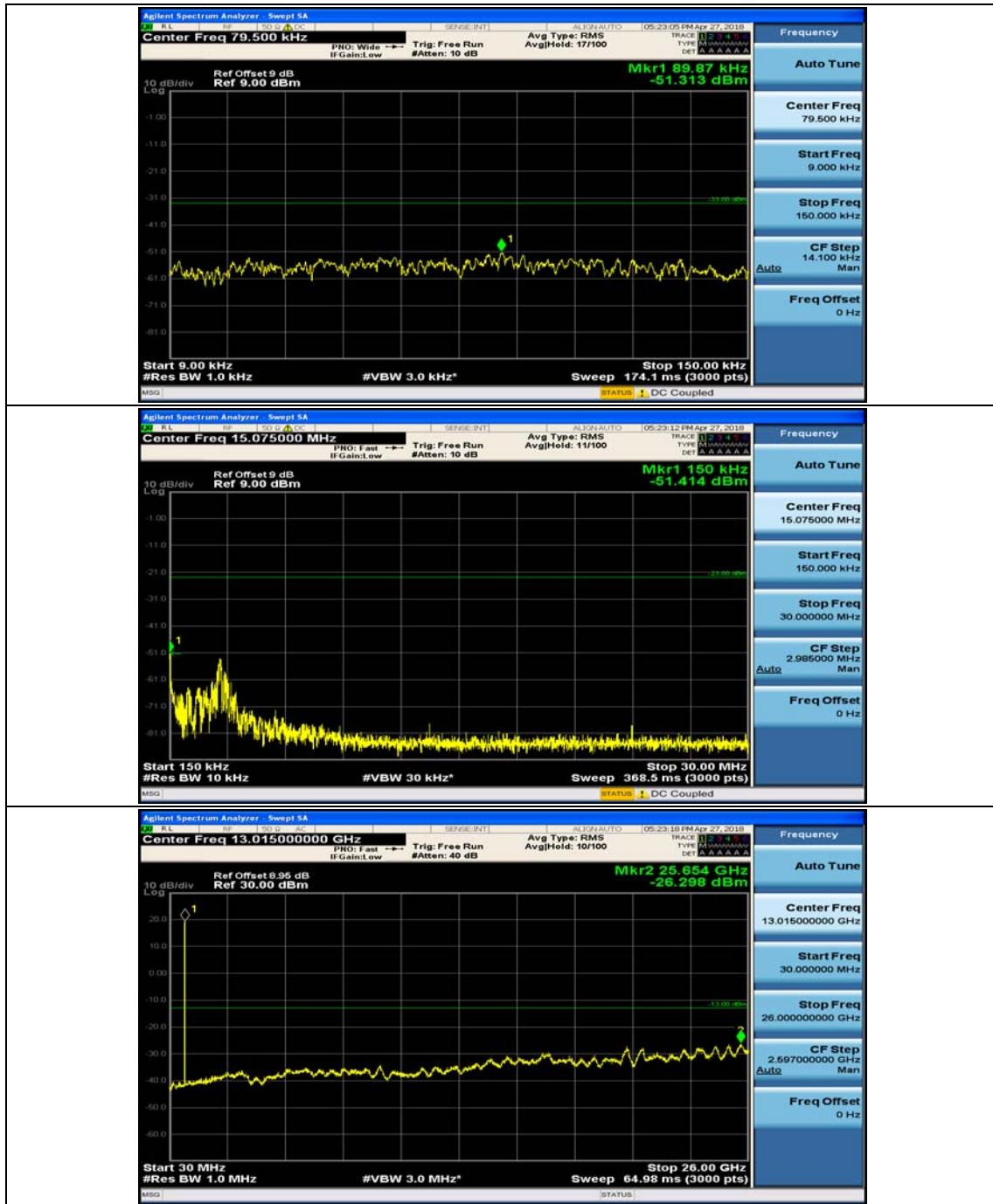


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

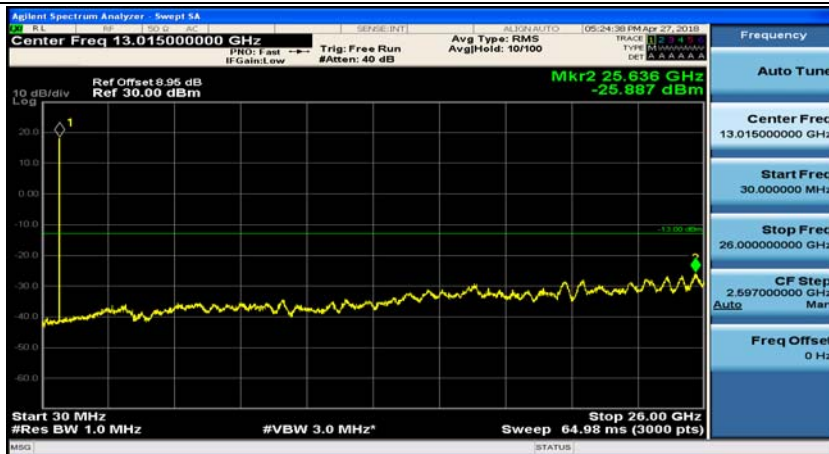
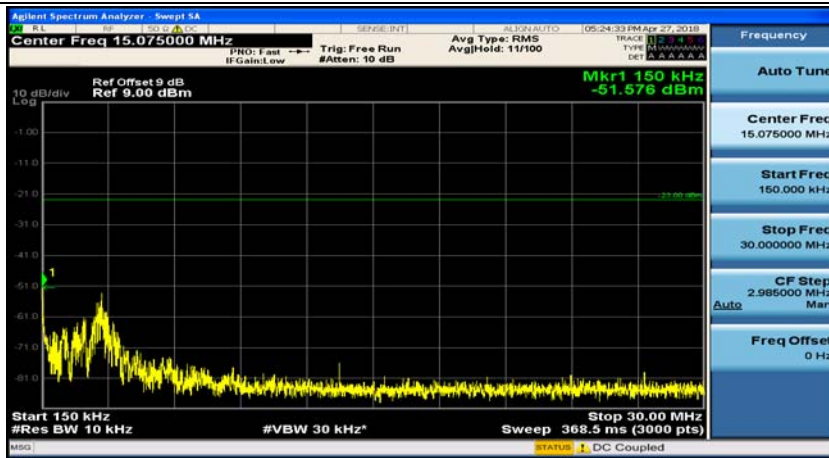


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

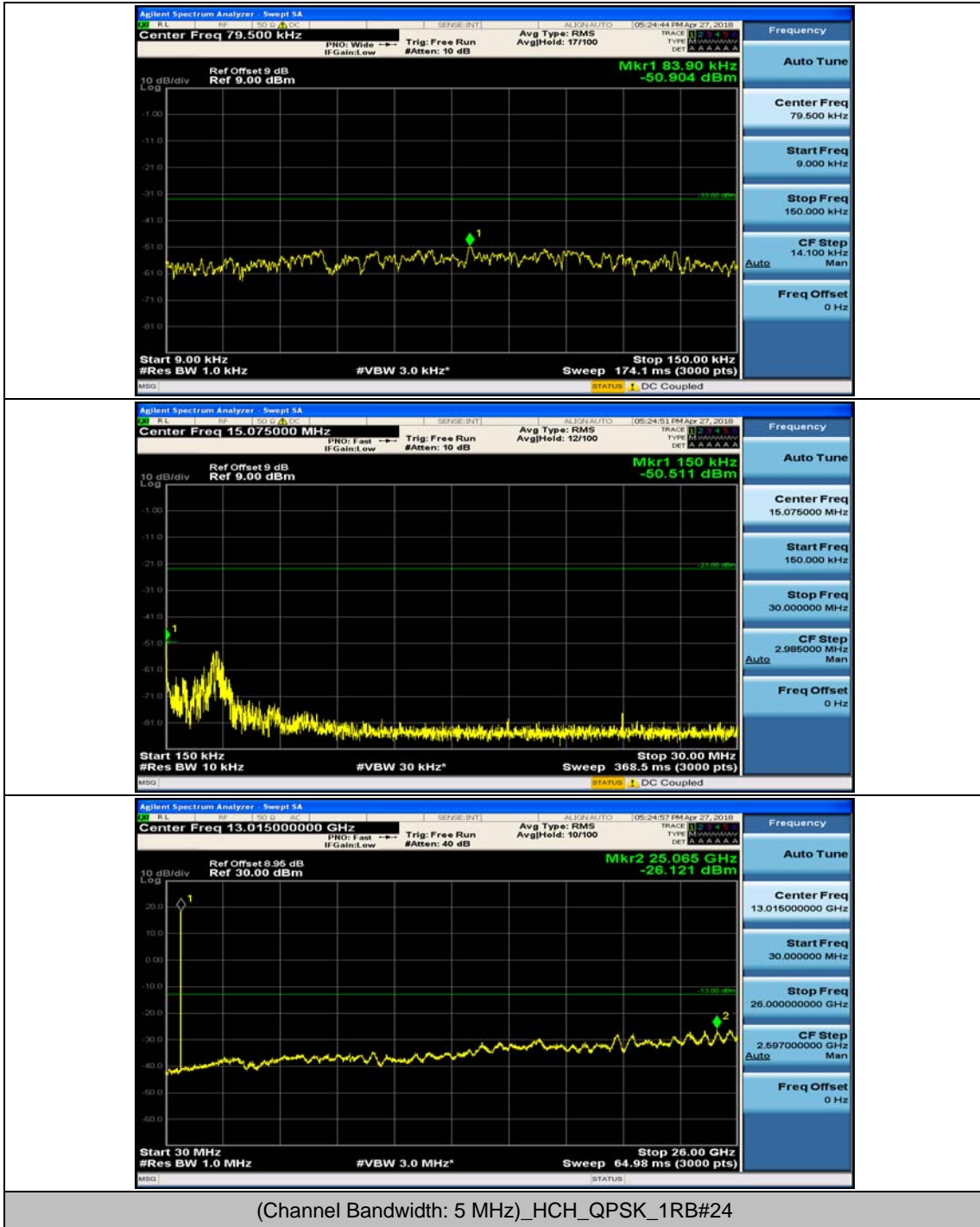


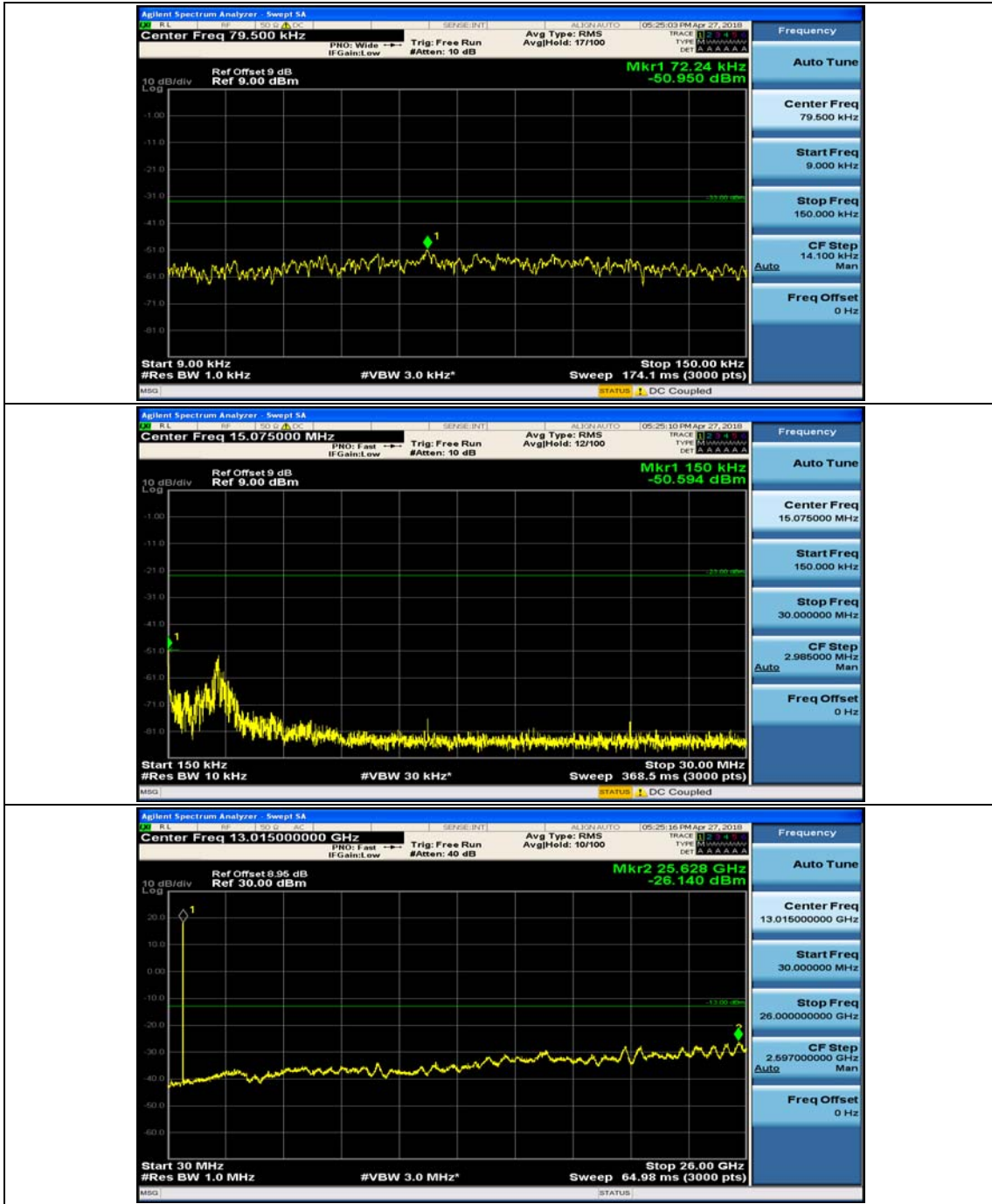


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

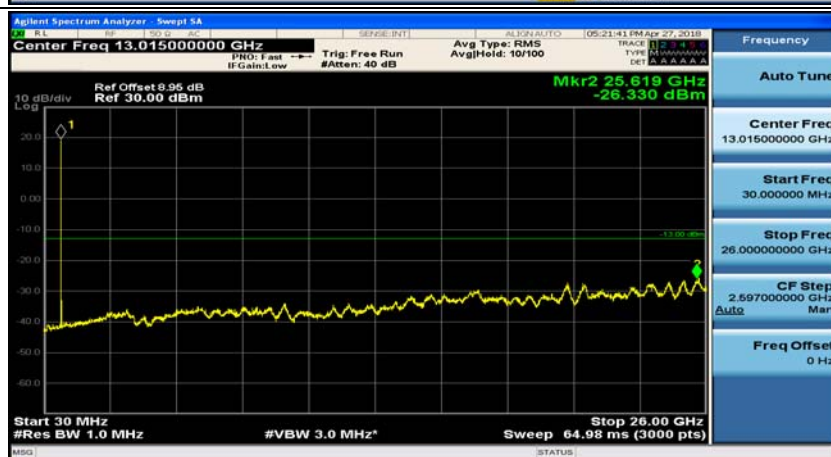
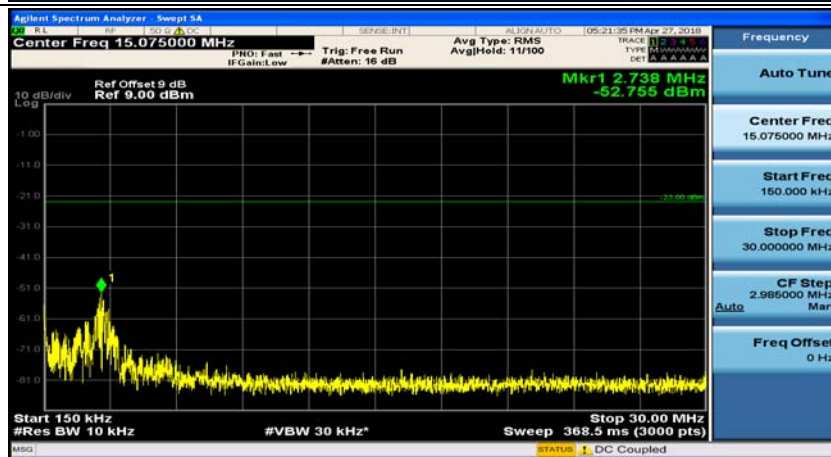
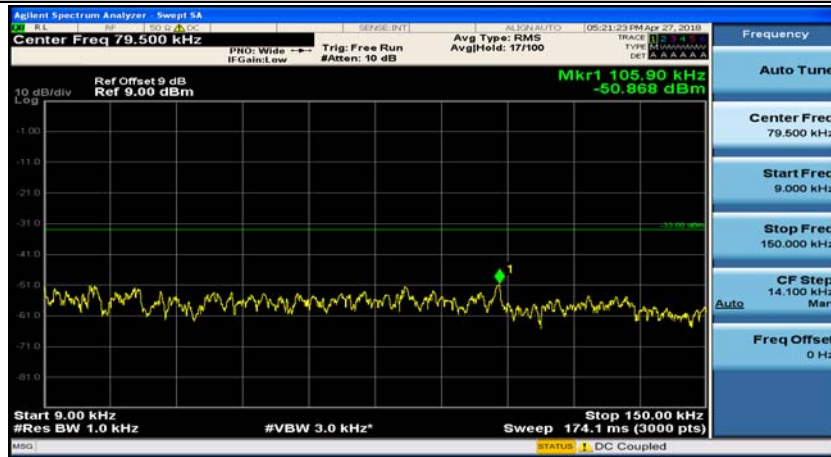


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

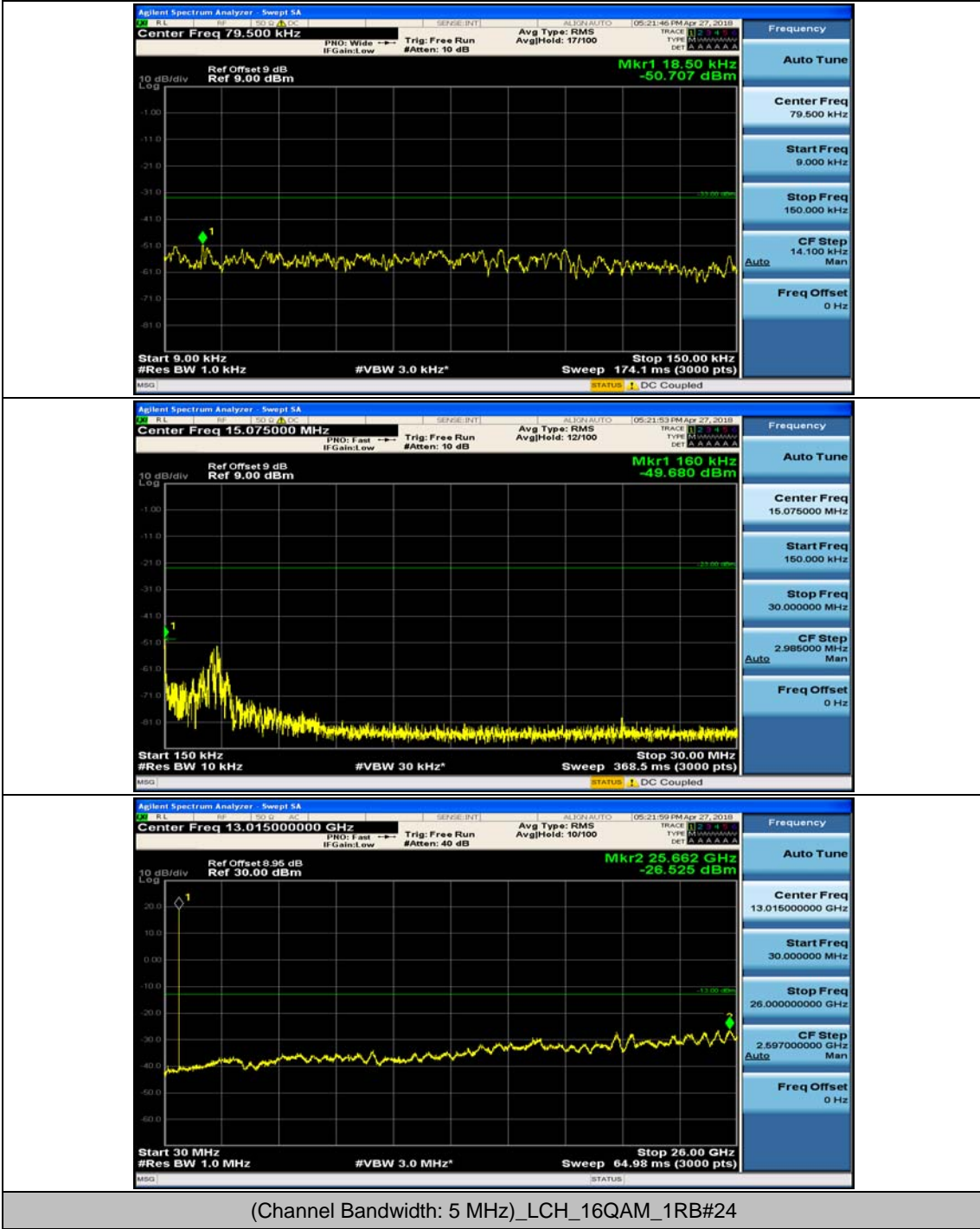


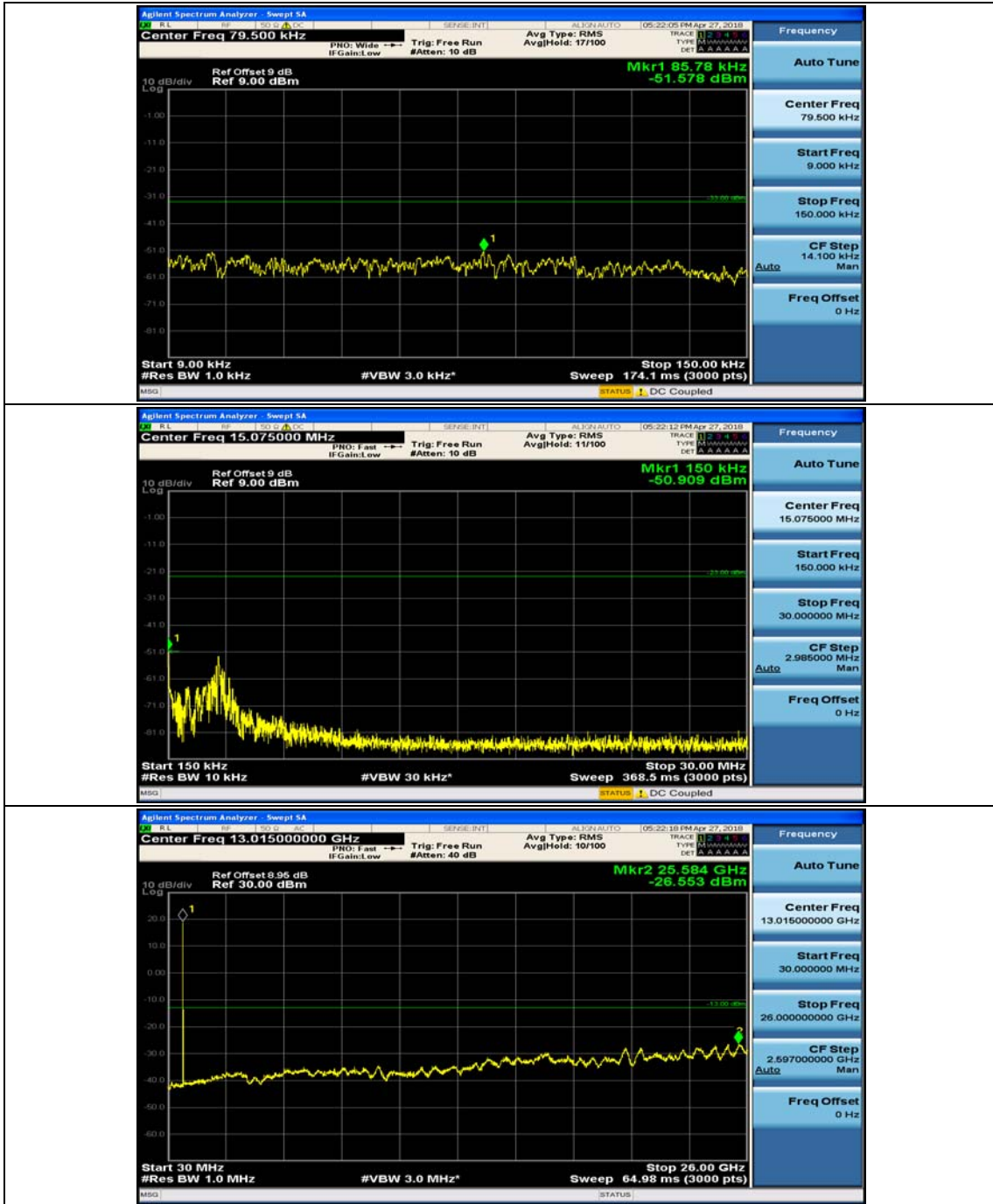


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

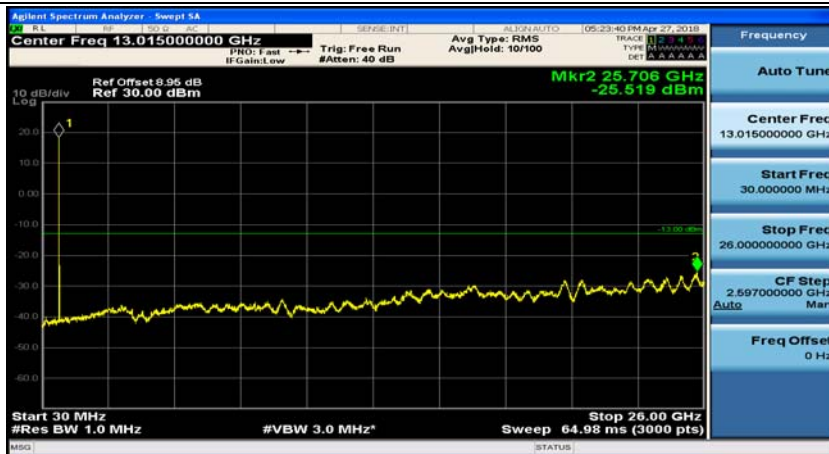
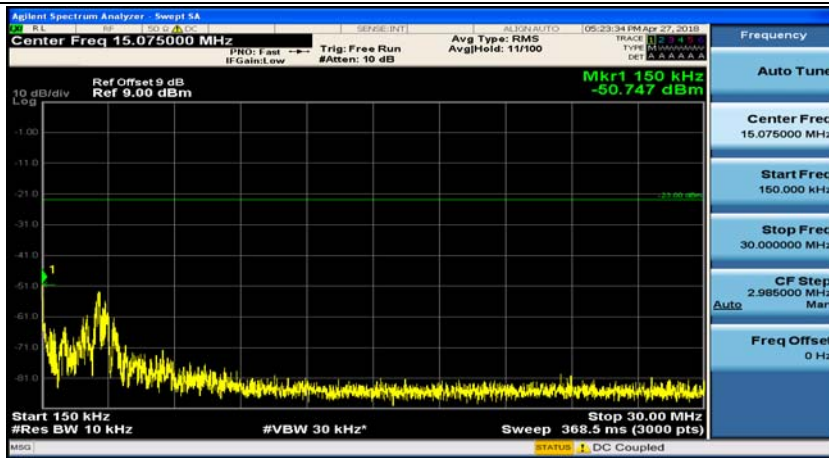


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

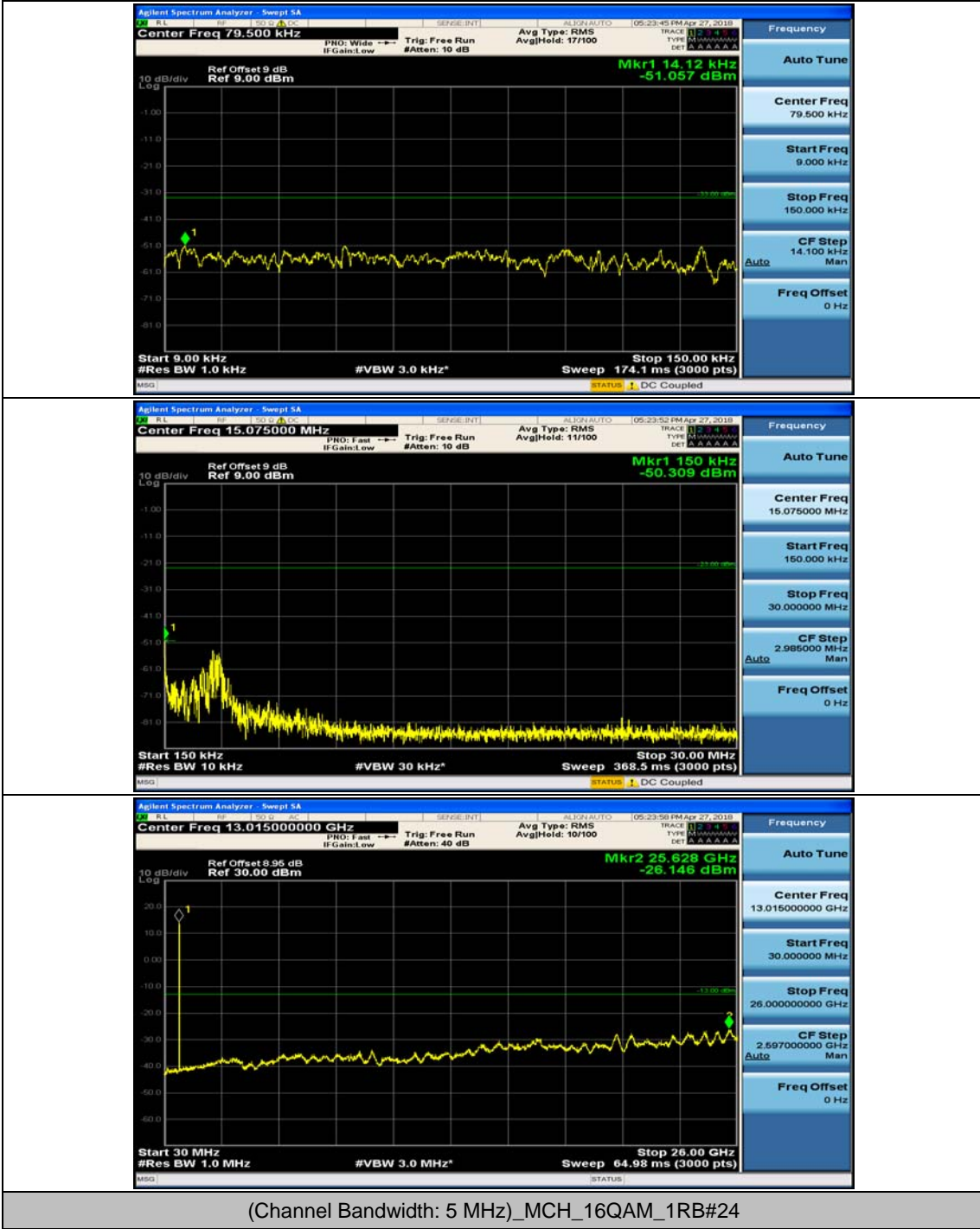


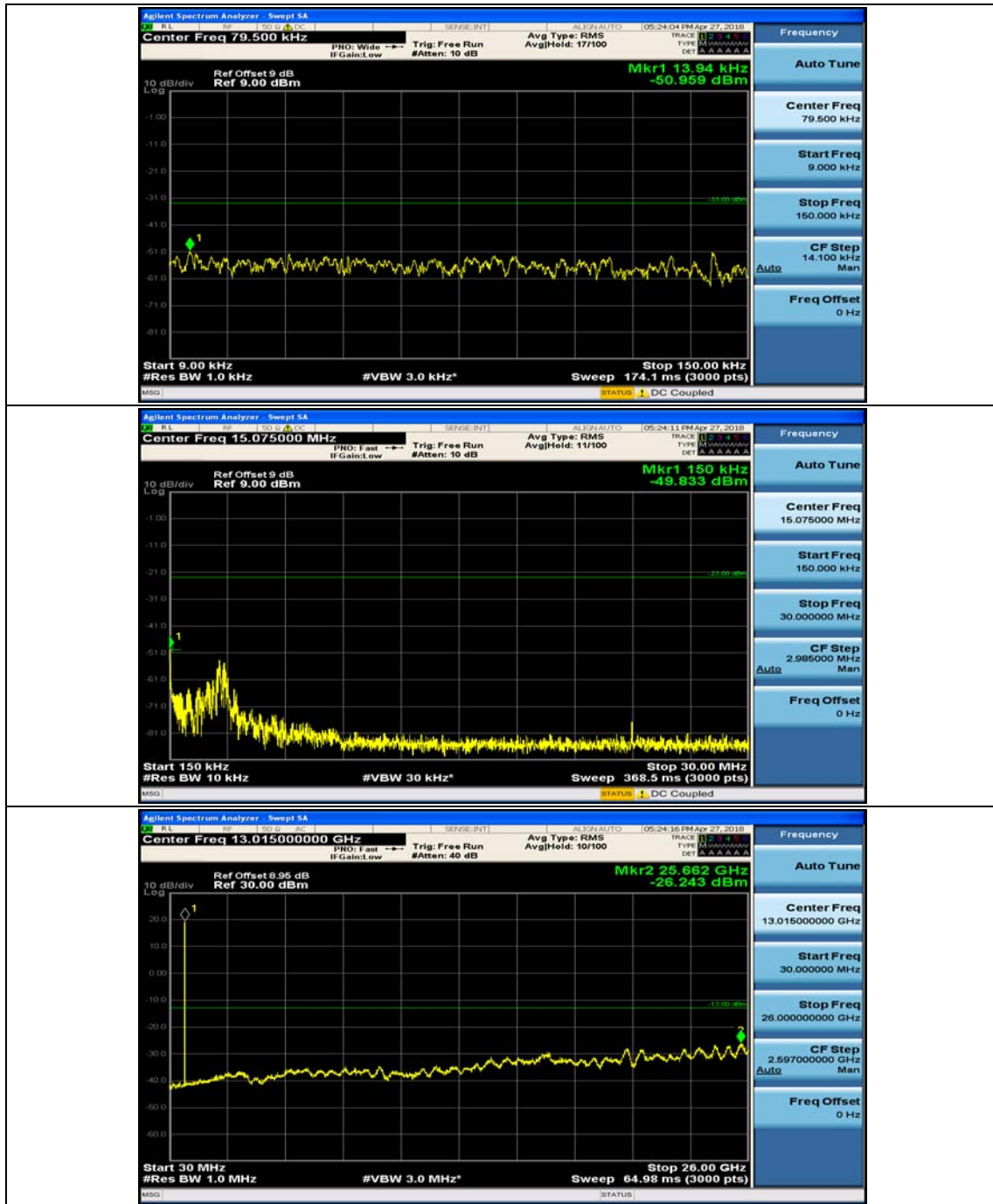


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

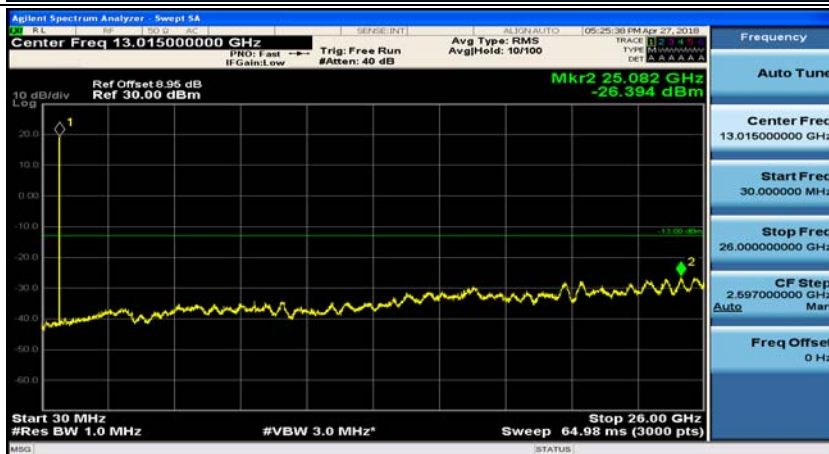
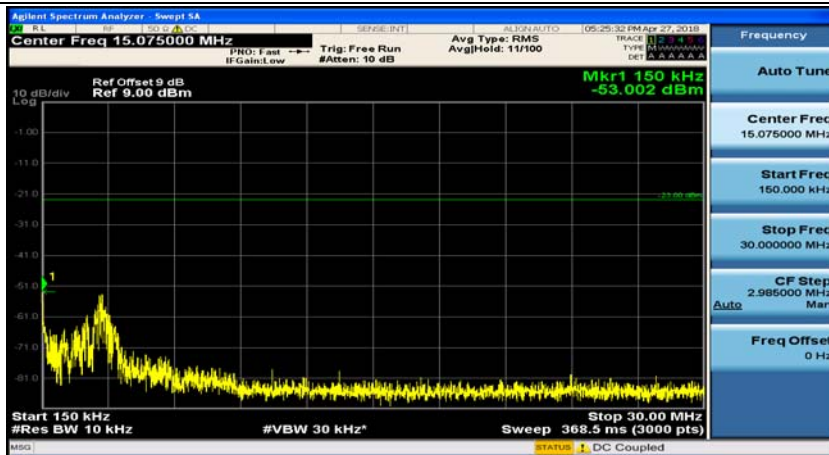
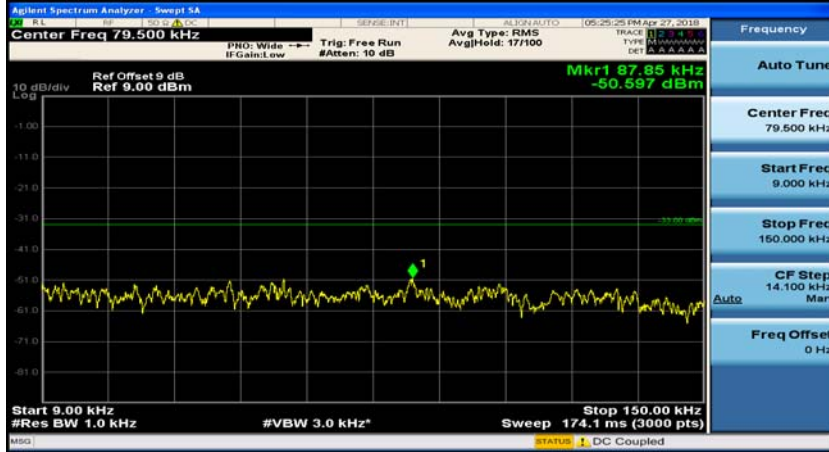


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

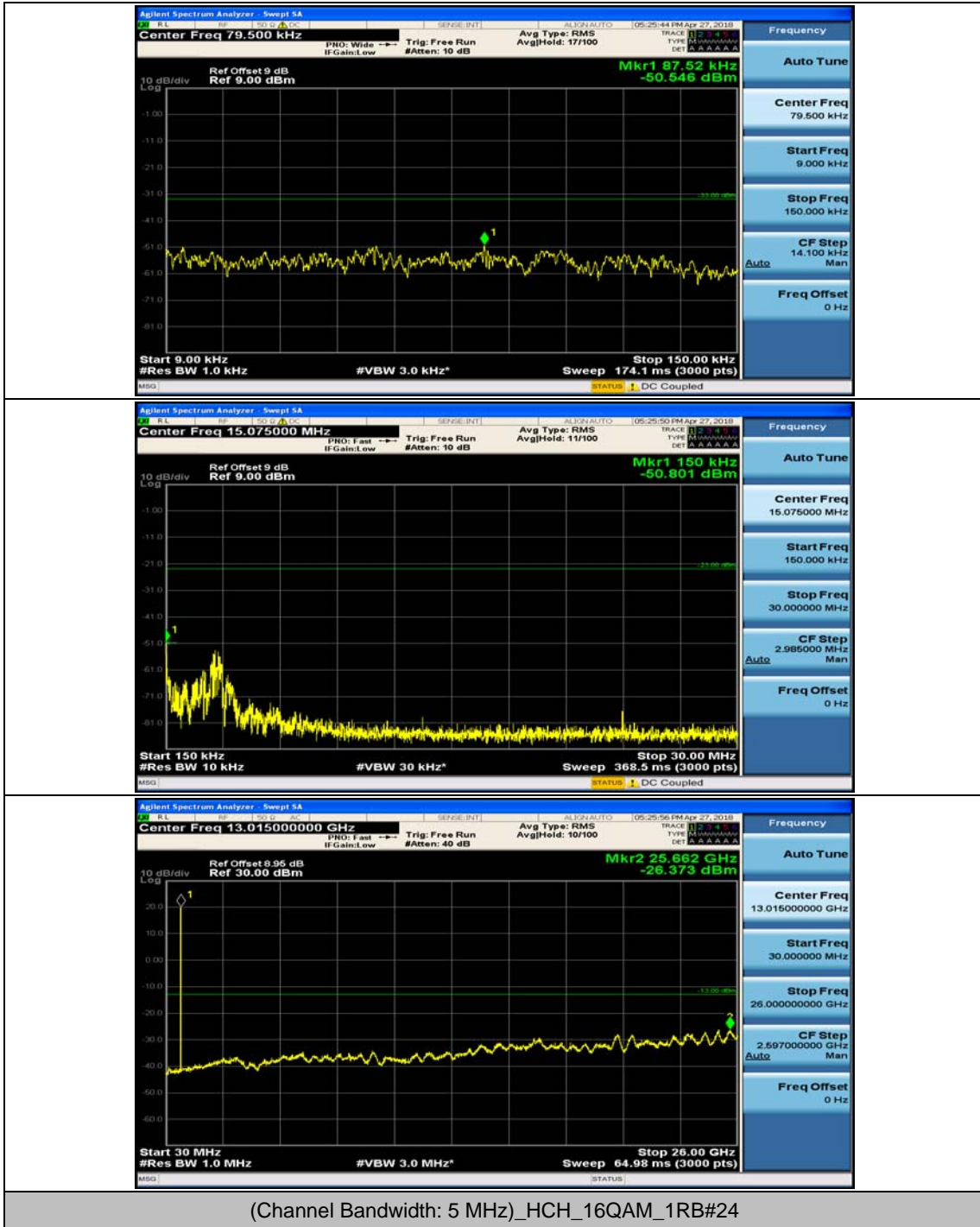


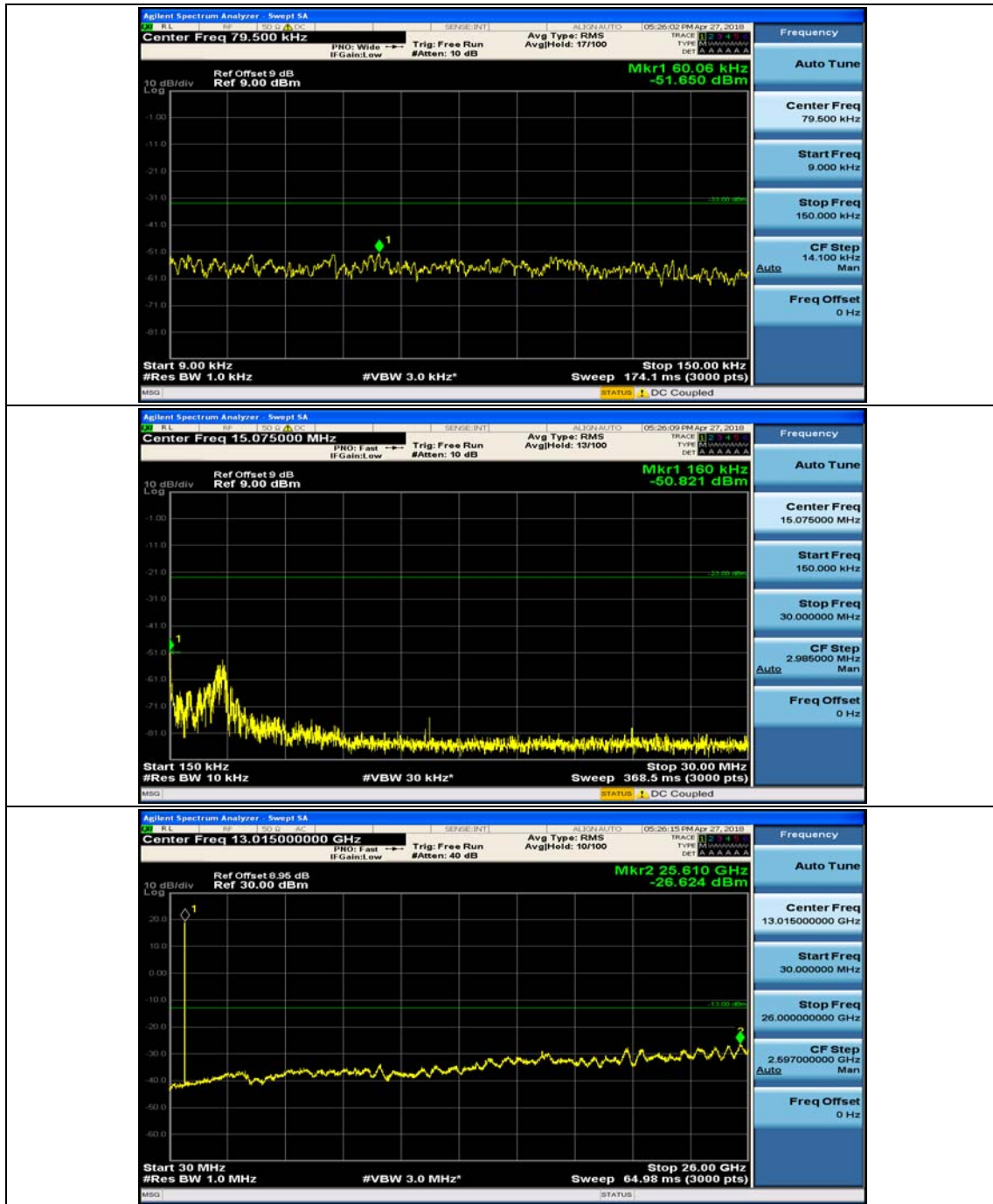


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

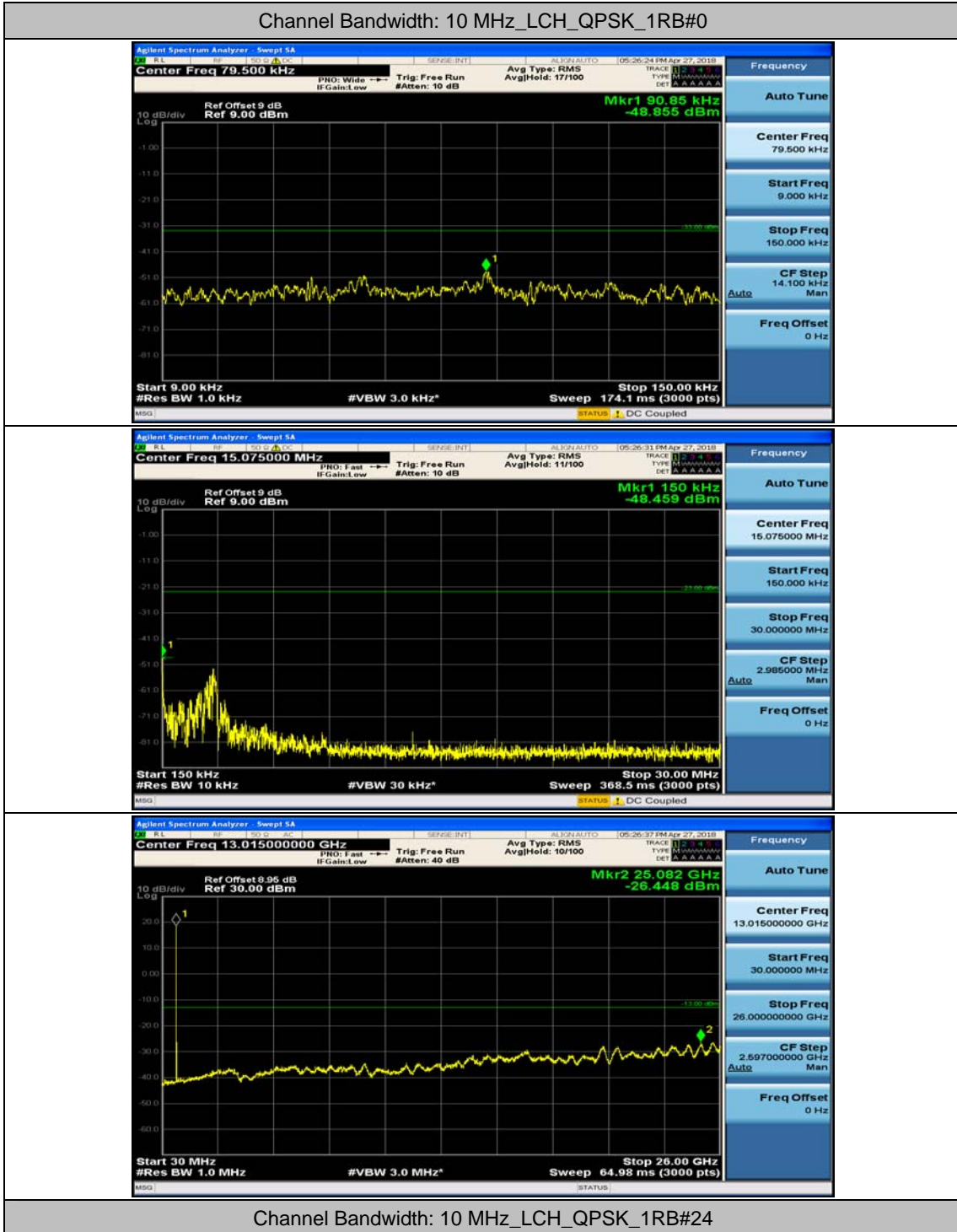


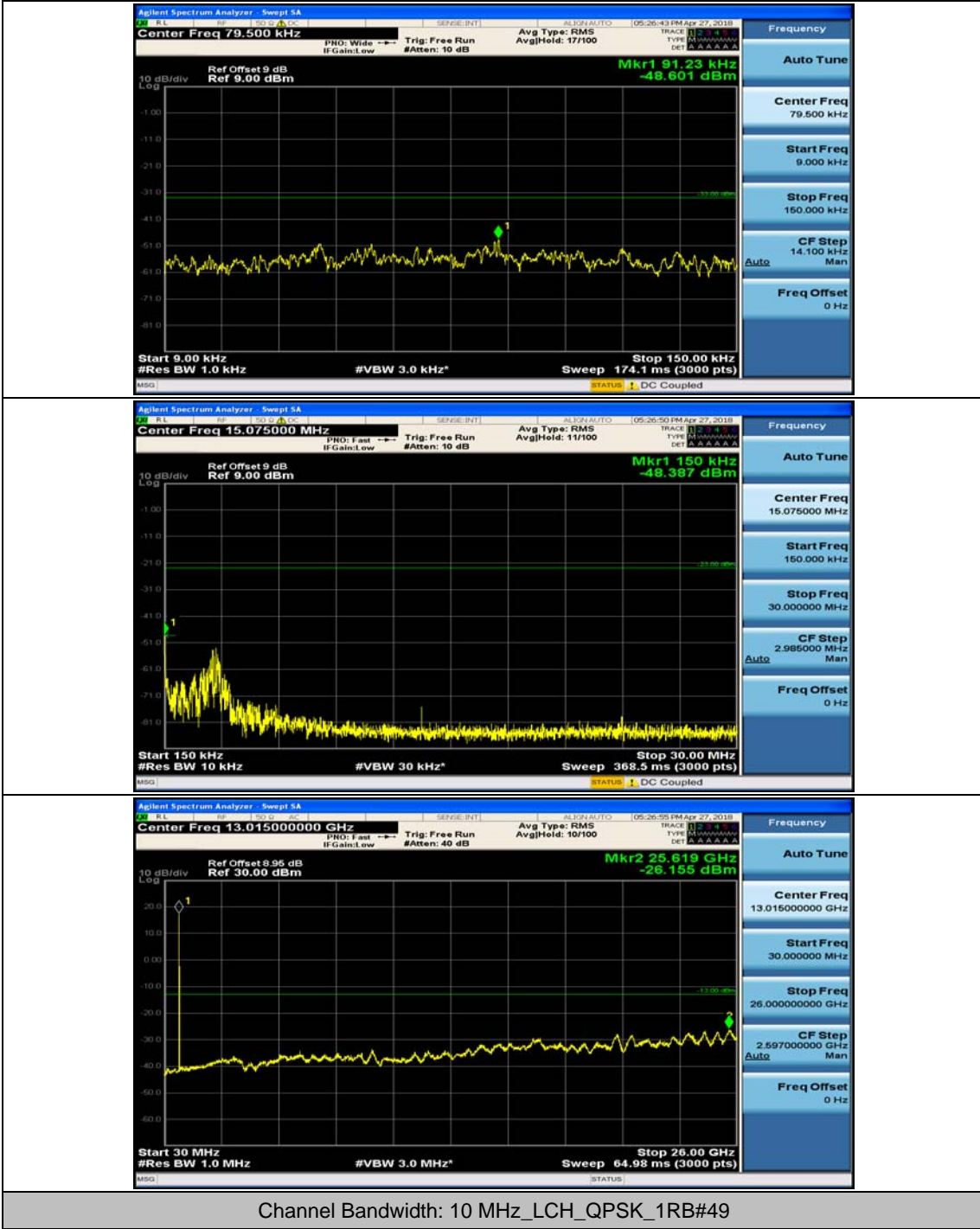
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

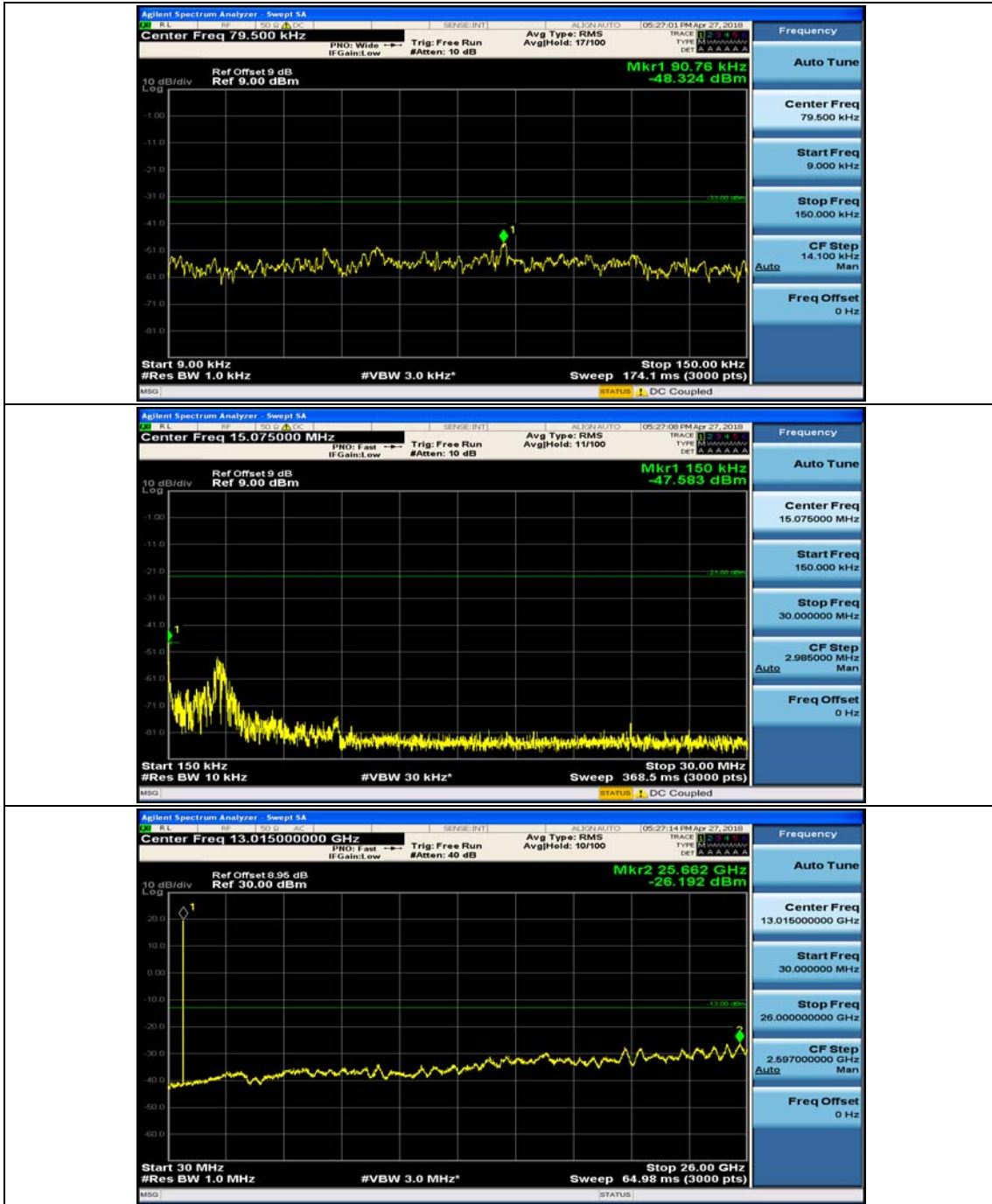




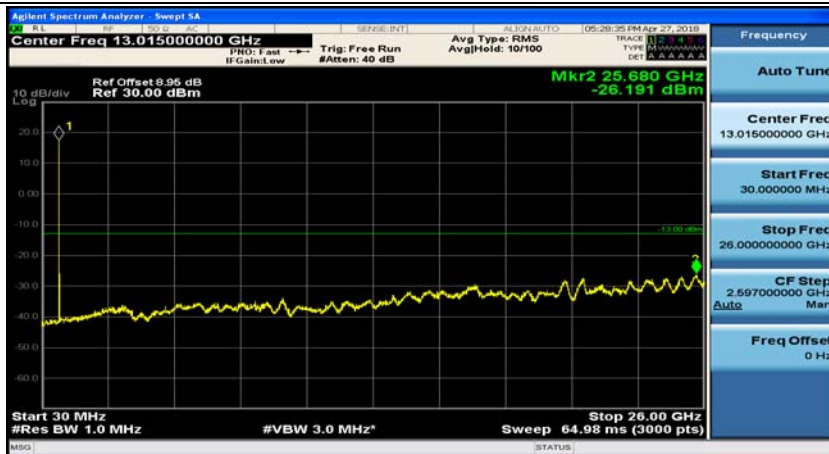
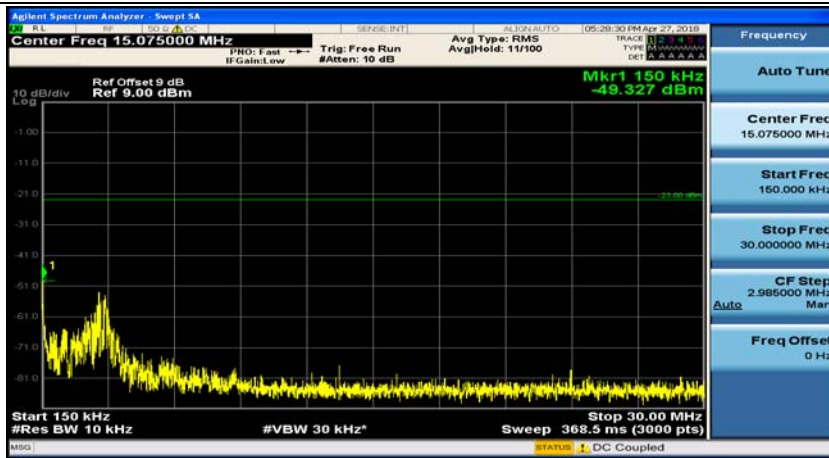
Channel Bandwidth: 10 MHz



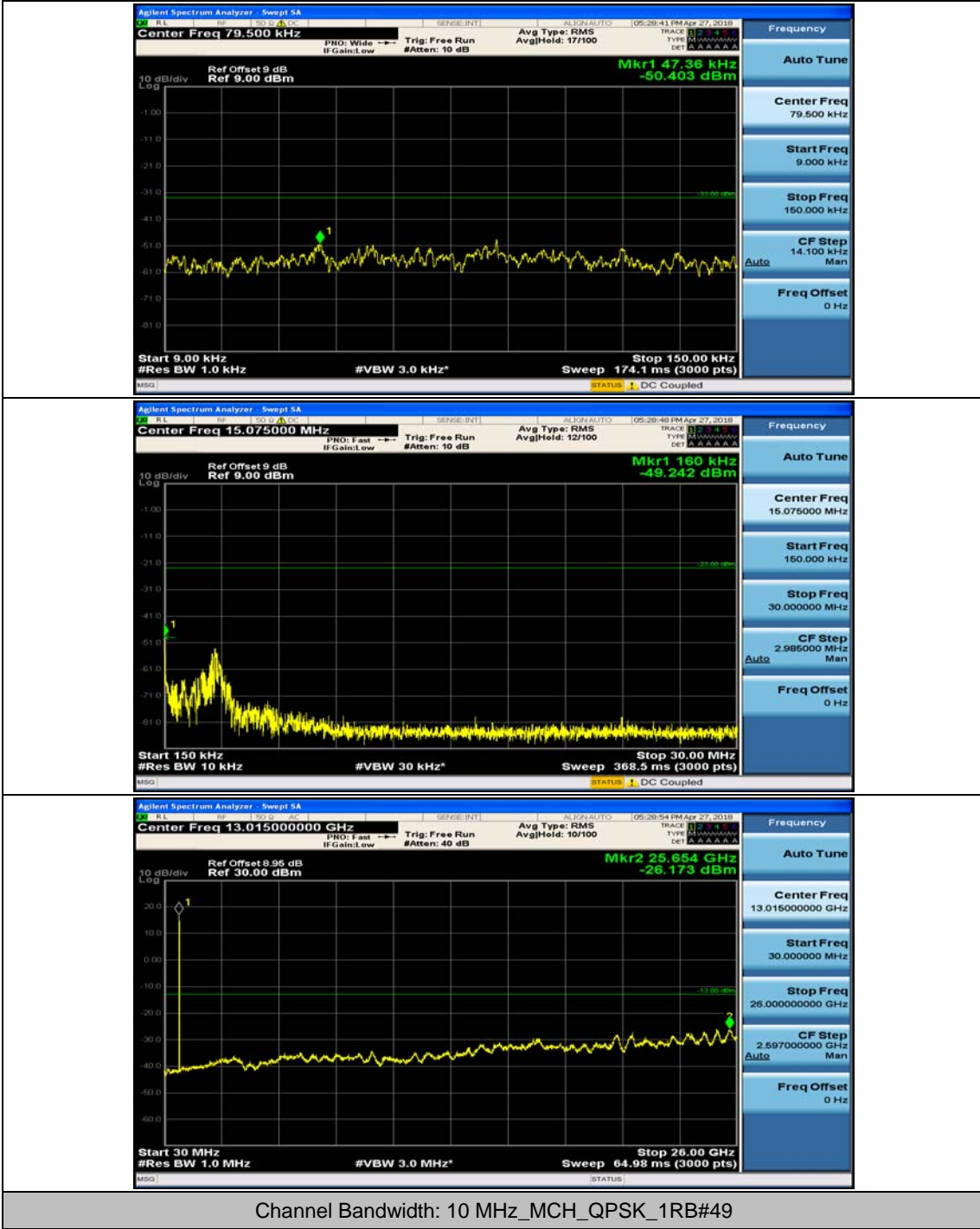


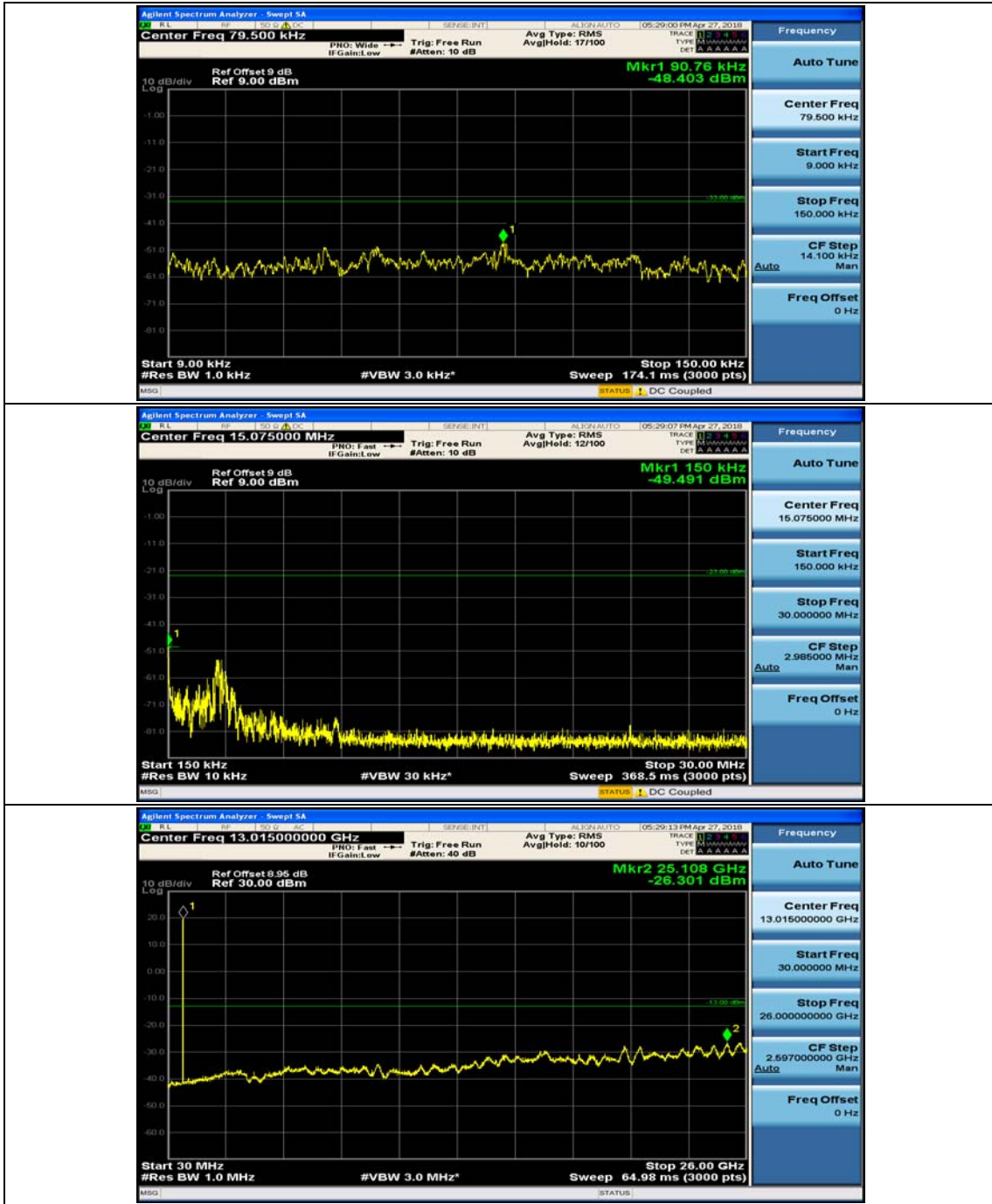


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

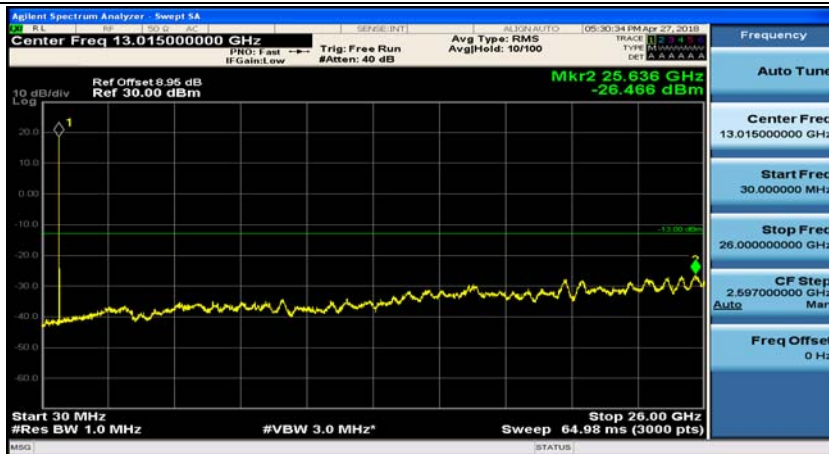
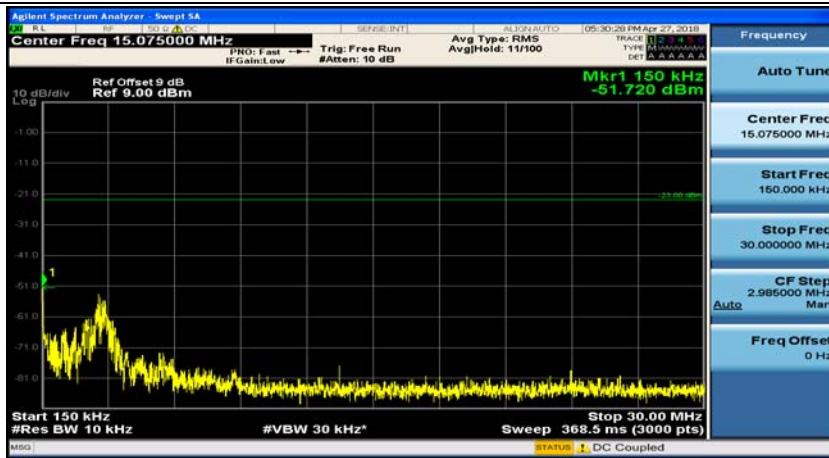
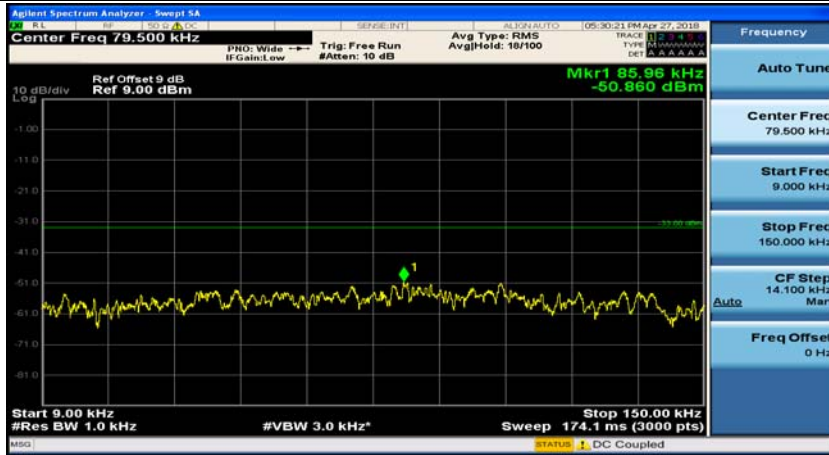


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

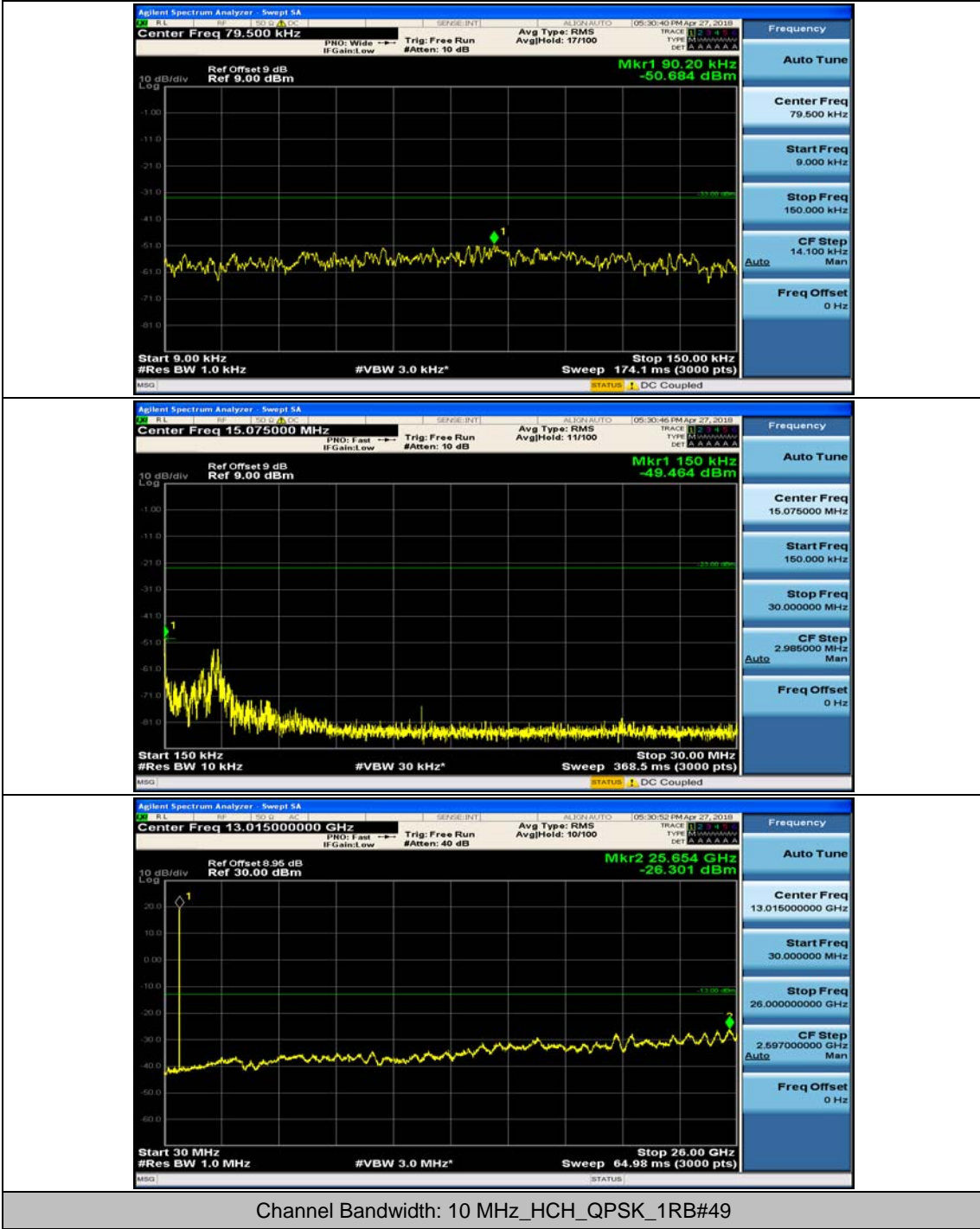


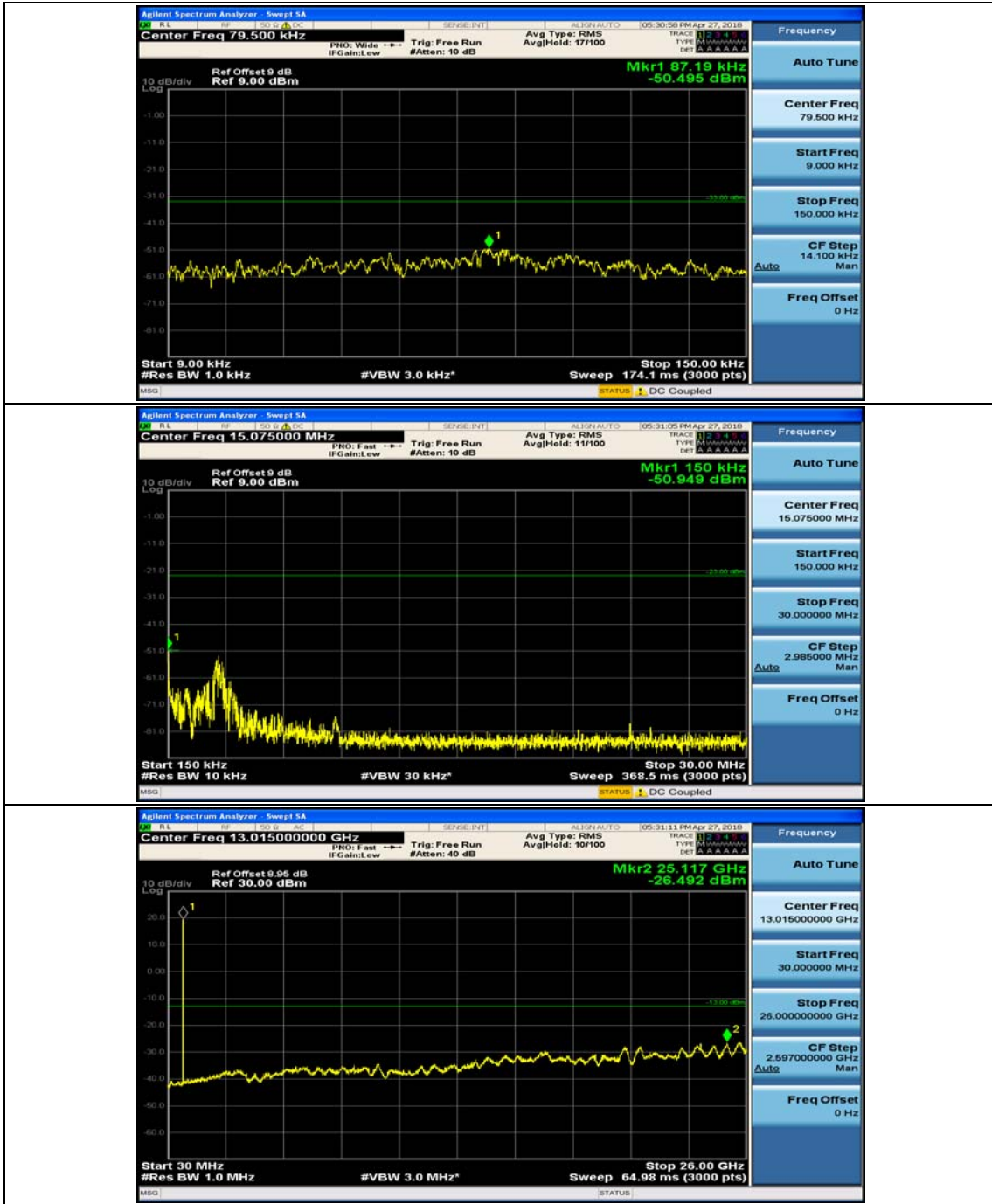


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

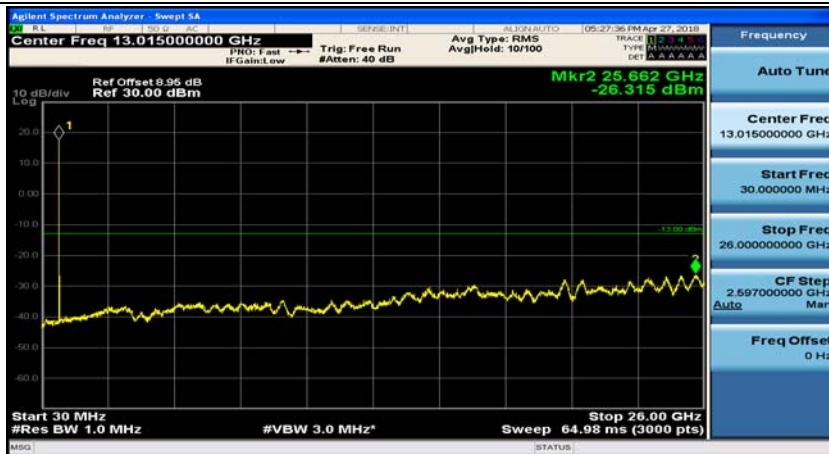
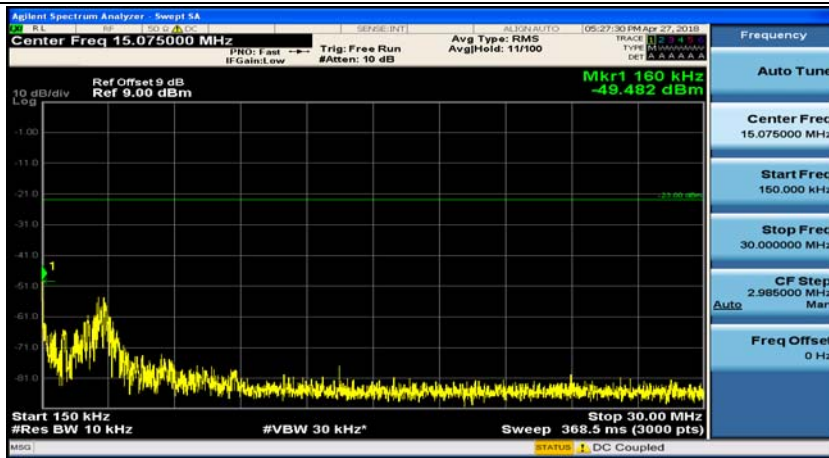
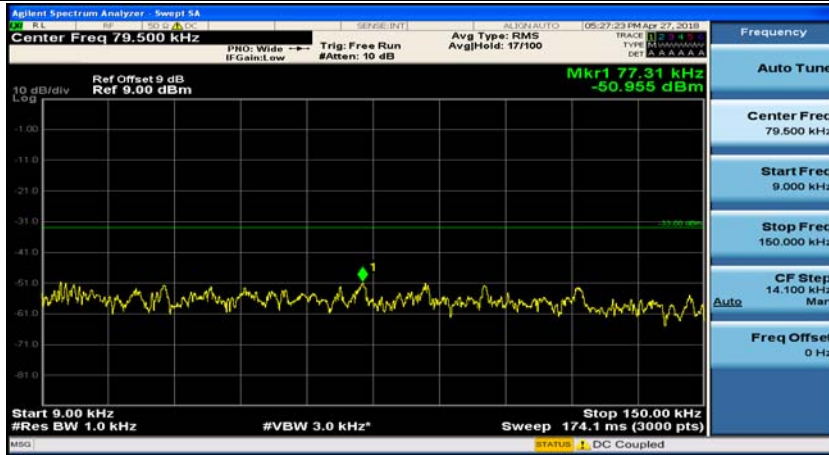


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

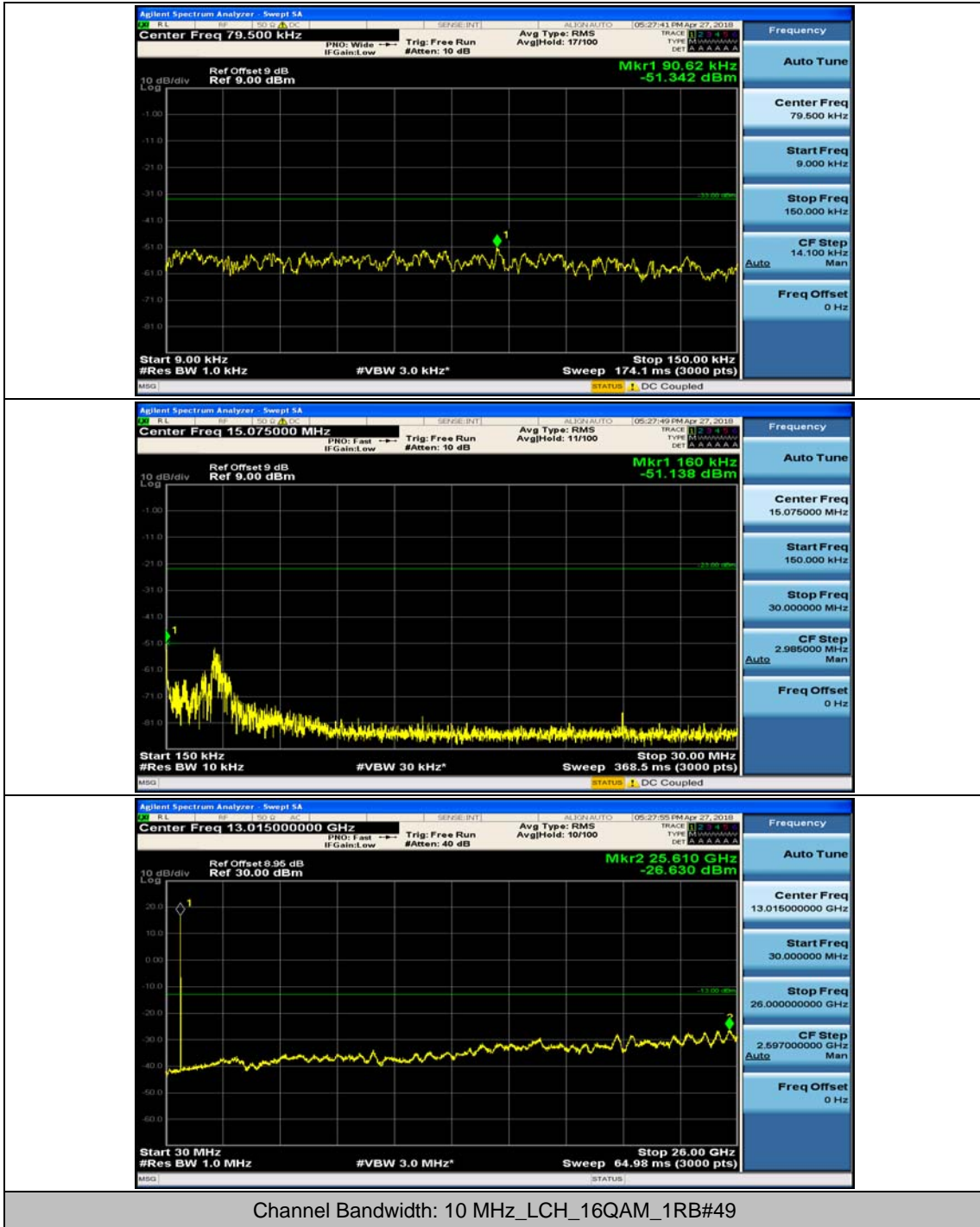


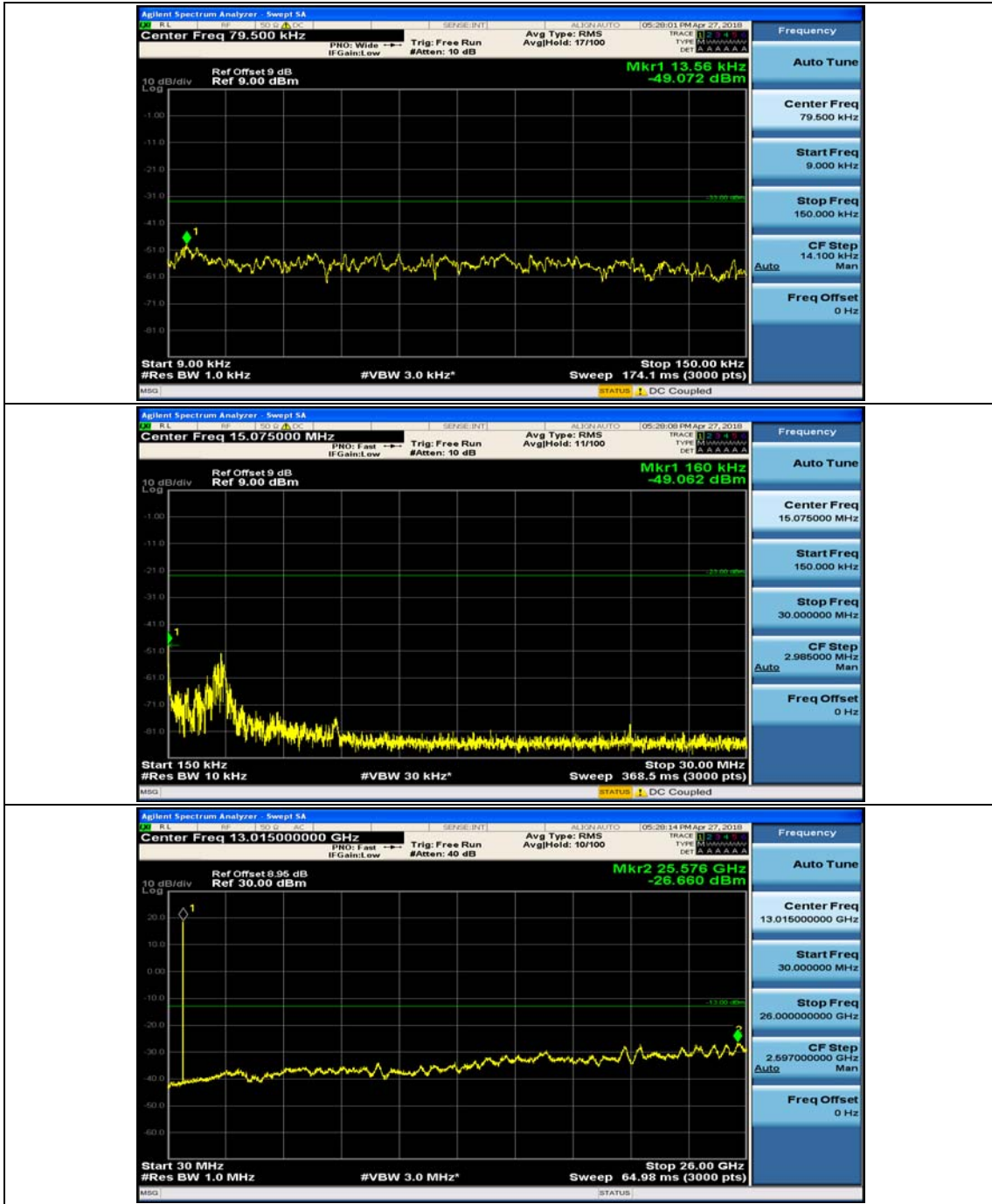


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

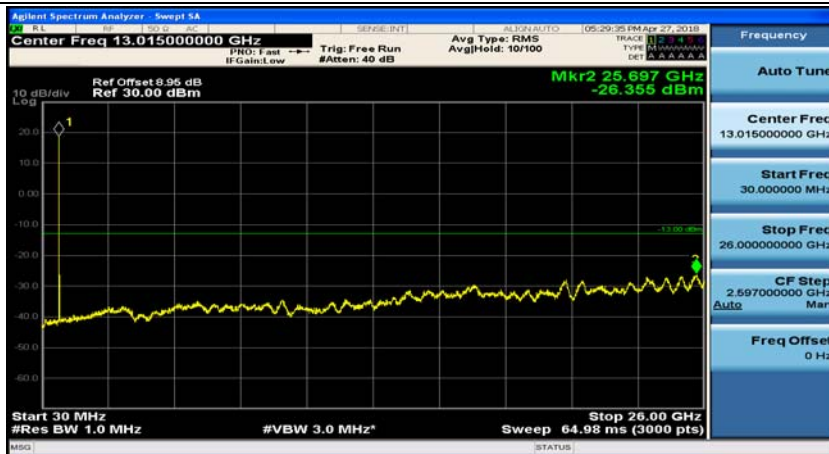
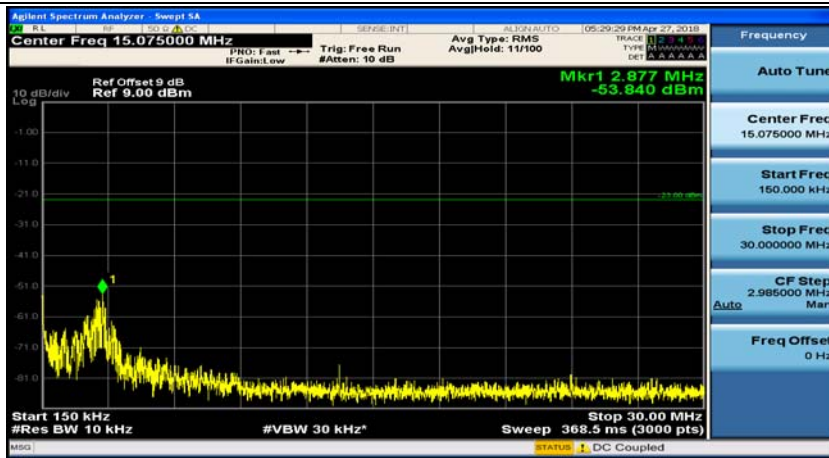


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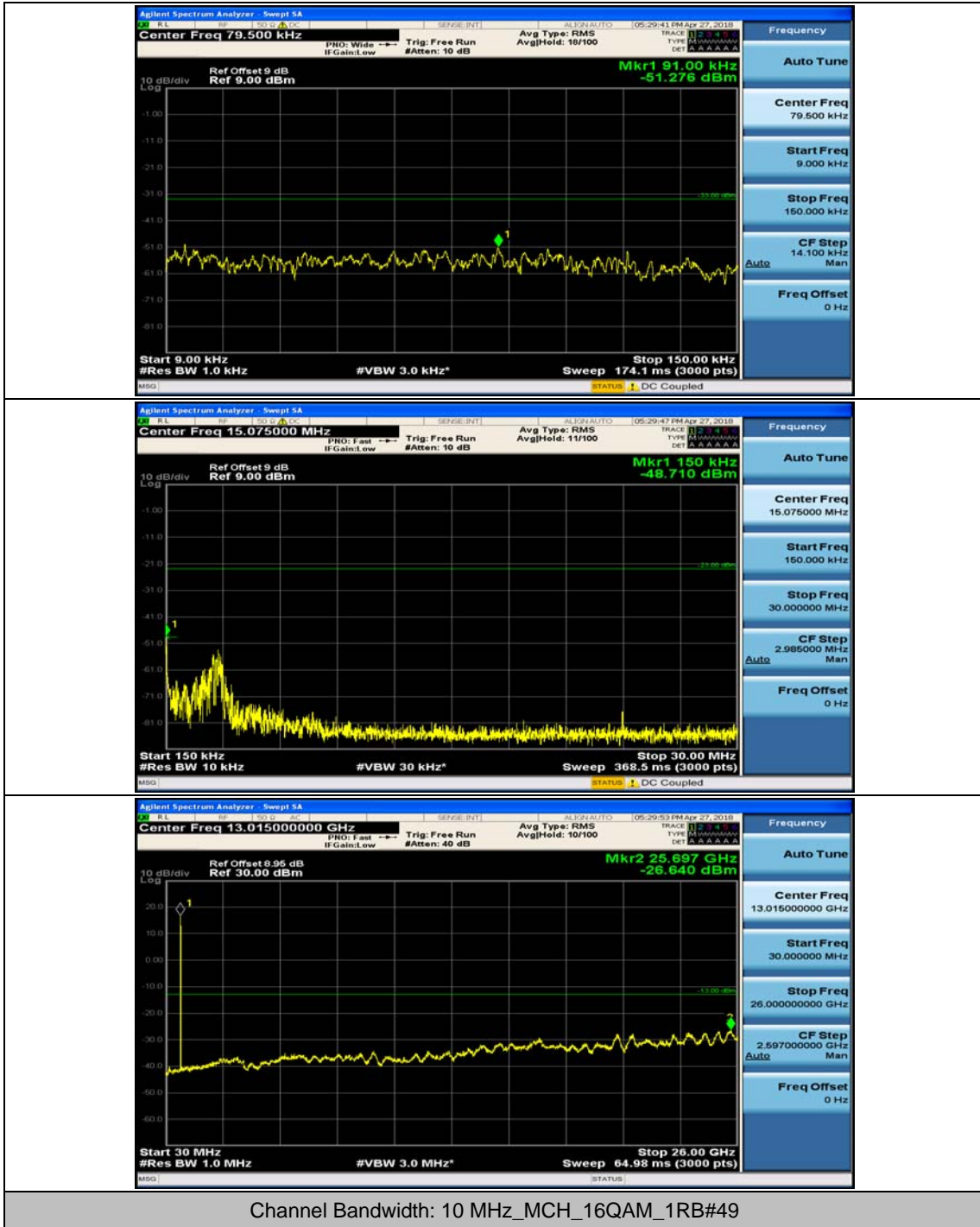


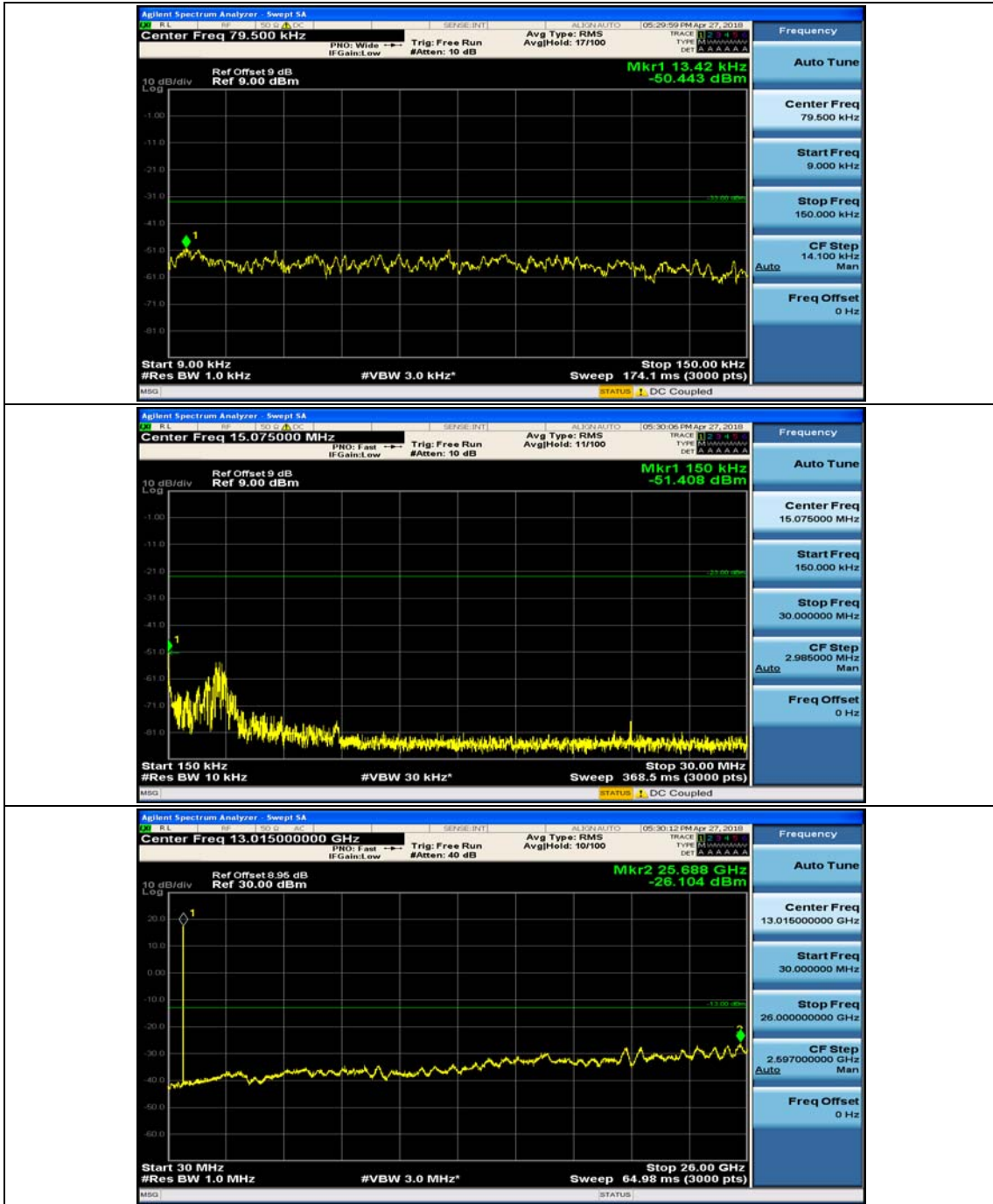


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

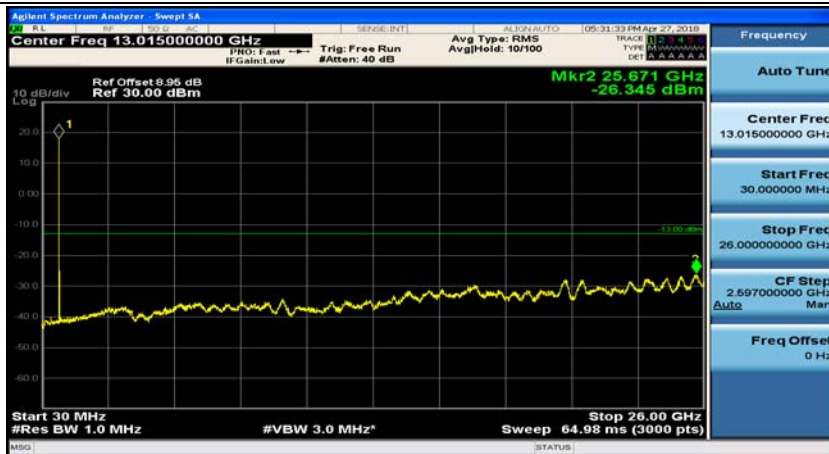
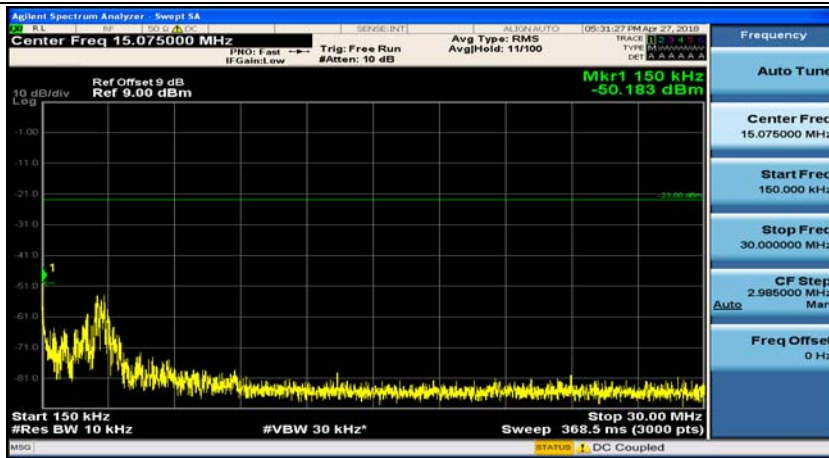


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

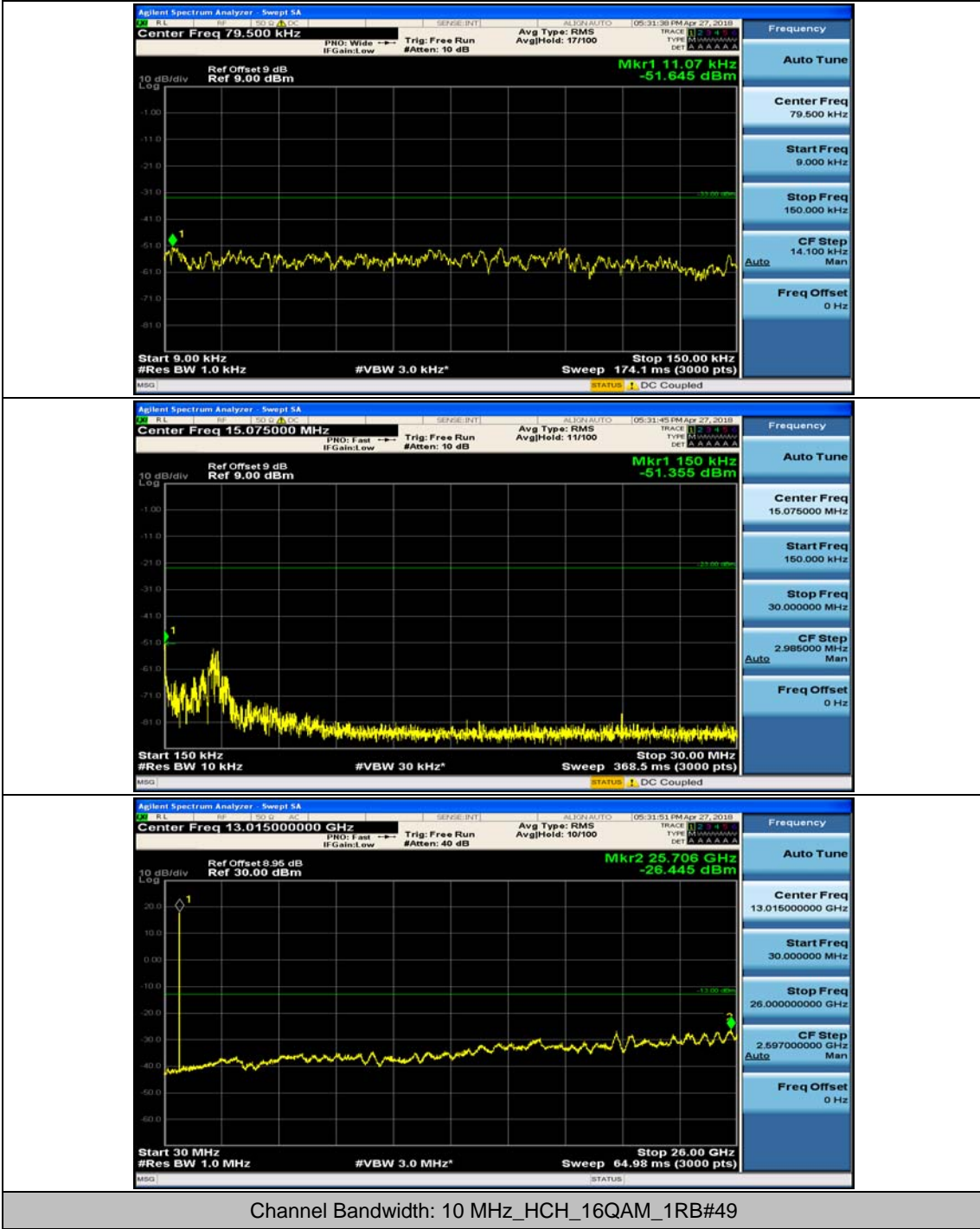


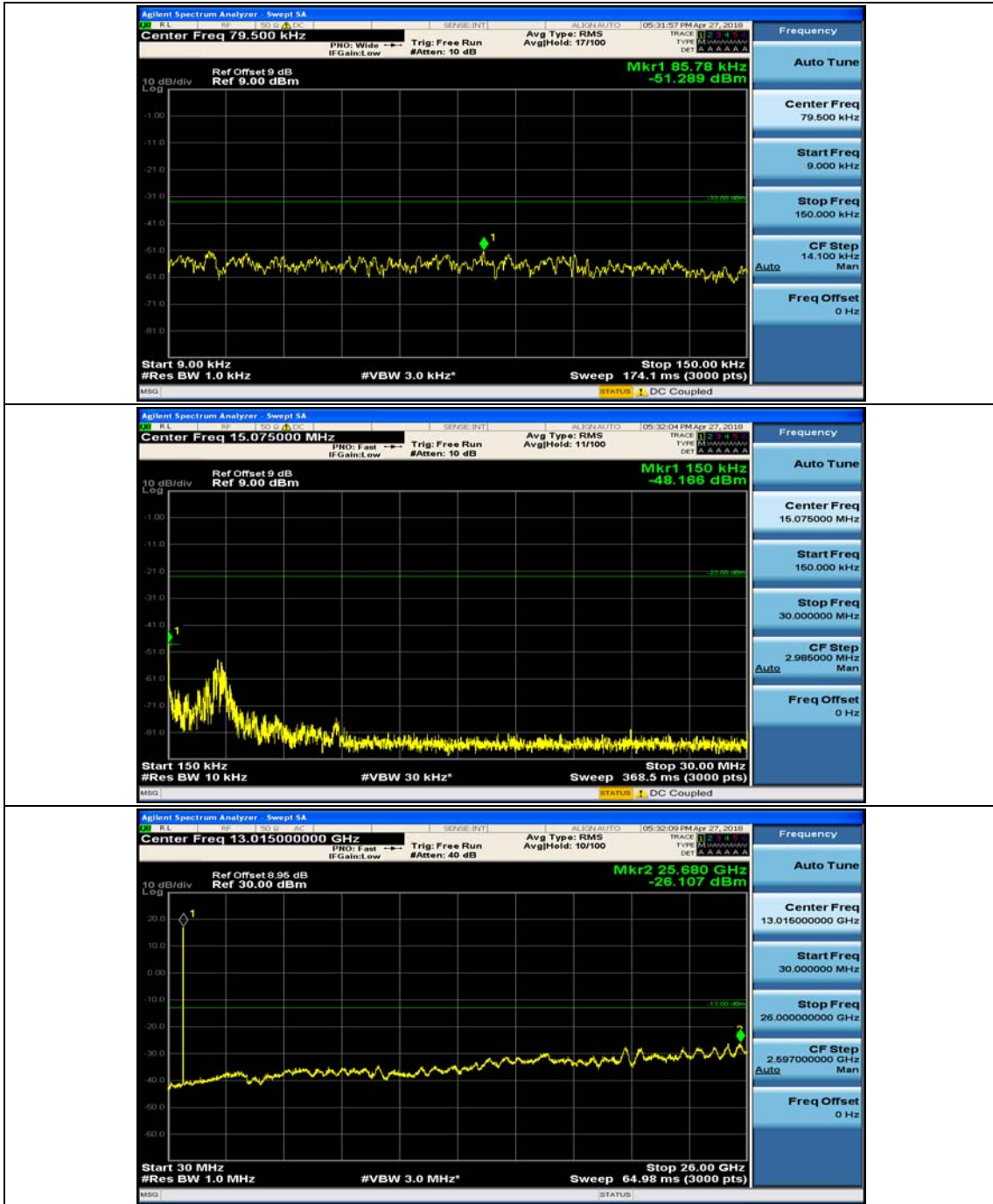


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





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	4.86	0.006879	± 2.5	PASS
		VN	TN	3.9	0.005520	± 2.5	PASS
		VH	TN	3.62	0.005124	± 2.5	PASS
	MCH	VL	TN	0.73	0.001028	± 2.5	PASS
		VN	TN	-0.57	-0.000803	± 2.5	PASS
		VH	TN	1.67	0.002352	± 2.5	PASS
	HCH	VL	TN	4.76	0.006671	± 2.5	PASS
		VN	TN	2.95	0.004135	± 2.5	PASS
		VH	TN	-1.41	-0.001976	± 2.5	PASS
16QAM	LCH	VL	TN	1.42	0.002010	± 2.5	PASS
		VN	TN	1.24	0.001755	± 2.5	PASS
		VH	TN	3.03	0.004289	± 2.5	PASS
	MCH	VL	TN	-0.83	-0.001169	± 2.5	PASS
		VN	TN	0.18	0.000254	± 2.5	PASS
		VH	TN	1.23	0.001732	± 2.5	PASS
	HCH	VL	TN	0.28	0.000392	± 2.5	PASS
		VN	TN	3.12	0.004373	± 2.5	PASS
		VH	TN	2.12	0.002971	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.77	0.005336	± 2.5	PASS
		VN	-20	-1.12	-0.001585	± 2.5	PASS
		VN	-10	4.12	0.005832	± 2.5	PASS
		VN	0	1.44	0.002038	± 2.5	PASS
		VN	10	-1.24	-0.001755	± 2.5	PASS
		VN	20	-1.82	-0.002576	± 2.5	PASS
		VN	30	-1.87	-0.002647	± 2.5	PASS
		VN	40	1.41	0.001996	± 2.5	PASS
		VN	50	-1.62	-0.002293	± 2.5	PASS
	MCH	VN	-30	2.08	0.002930	± 2.5	PASS
		VN	-20	-1.45	-0.002042	± 2.5	PASS
		VN	-10	0.27	0.000380	± 2.5	PASS

		VN	0	2.37	0.003338	± 2.5	PASS		
		VN	10	-1.21	-0.001704	± 2.5	PASS		
		VN	20	-1.73	-0.002437	± 2.5	PASS		
		VN	30	-1.26	-0.001775	± 2.5	PASS		
		VN	40	2.7	0.003803	± 2.5	PASS		
		VN	50	-1.96	-0.002761	± 2.5	PASS		
	HCH	VN	-30	4.93	0.006910	± 2.5	PASS		
		VN	-20	-0.97	-0.001359	± 2.5	PASS		
		VN	-10	1.66	0.002327	± 2.5	PASS		
		VN	0	-0.44	-0.000617	± 2.5	PASS		
		VN	10	0.9	0.001261	± 2.5	PASS		
		VN	20	4.41	0.006181	± 2.5	PASS		
		VN	30	4.45	0.006237	± 2.5	PASS		
		VN	40	-1.36	-0.001906	± 2.5	PASS		
		VN	50	-0.37	-0.000519	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.27	-0.000382	± 2.5	PASS
				VN	-20	1.65	0.002335	± 2.5	PASS
				VN	-10	-1.55	-0.002194	± 2.5	PASS
VN	0			0.58	0.000821	± 2.5	PASS		
VN	10			3.35	0.004742	± 2.5	PASS		
VN	20			3.51	0.004968	± 2.5	PASS		
VN	30			2.64	0.003737	± 2.5	PASS		
VN	40			2.92	0.004133	± 2.5	PASS		
VN	50			-0.73	-0.001033	± 2.5	PASS		
MCH	VN		-30	2.84	0.003980	± 2.5	PASS		
	VN		-20	2.37	0.003322	± 2.5	PASS		
	VN		-10	2.59	0.003630	± 2.5	PASS		
	VN		0	4.42	0.006195	± 2.5	PASS		
	VN		10	-0.4	-0.000561	± 2.5	PASS		
	VN		20	2.03	0.002845	± 2.5	PASS		
	VN		30	2.73	0.003826	± 2.5	PASS		
	VN		40	0.14	0.000196	± 2.5	PASS		
	VN		50	0.68	0.000953	± 2.5	PASS		
HCH	VN		-30	-1.07	-0.001500	± 2.5	PASS		
	VN		-20	-1.28	-0.001794	± 2.5	PASS		
	VN		-10	3.93	0.005508	± 2.5	PASS		
	VN		0	2.65	0.003714	± 2.5	PASS		
	VN		10	0.65	0.000911	± 2.5	PASS		
	VN		20	2.66	0.003728	± 2.5	PASS		
	VN		30	0.05	0.000070	± 2.5	PASS		
	VN		40	-1.09	-0.001528	± 2.5	PASS		

		VN	50	2.24	0.003139	± 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	2.58	0.003639	± 2.5	PASS
		VN	TN	2.09	0.002948	± 2.5	PASS
		VH	TN	-1.27	-0.001791	± 2.5	PASS
	MCH	VL	TN	-1.67	-0.002352	± 2.5	PASS
		VN	TN	2.03	0.002859	± 2.5	PASS
		VH	TN	3.13	0.004408	± 2.5	PASS
	HCH	VL	TN	-0.94	-0.001322	± 2.5	PASS
		VN	TN	-0.48	-0.000675	± 2.5	PASS
		VH	TN	4.57	0.006428	± 2.5	PASS
16QAM	LCH	VL	TN	-1.7	-0.002398	± 2.5	PASS
		VN	TN	-1.29	-0.001819	± 2.5	PASS
		VH	TN	0.95	0.001340	± 2.5	PASS
	MCH	VL	TN	-0.48	-0.000676	± 2.5	PASS
		VN	TN	1.45	0.002042	± 2.5	PASS
		VH	TN	-1.92	-0.002704	± 2.5	PASS
	HCH	VL	TN	4.19	0.005893	± 2.5	PASS
		VN	TN	4.12	0.005795	± 2.5	PASS
		VH	TN	2.38	0.003347	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.49	-0.002102	± 2.5	PASS
		VN	-20	2.62	0.003695	± 2.5	PASS
		VN	-10	2.88	0.004062	± 2.5	PASS
		VN	0	1.42	0.002003	± 2.5	PASS
		VN	10	3.84	0.005416	± 2.5	PASS
		VN	20	-0.31	-0.000437	± 2.5	PASS
		VN	30	1.36	0.001918	± 2.5	PASS
		VN	40	2.36	0.003329	± 2.5	PASS
		VN	50	2.85	0.004020	± 2.5	PASS
	MCH	VN	-30	-0.56	-0.000789	± 2.5	PASS
		VN	-20	3.23	0.004549	± 2.5	PASS
		VN	-10	-1.18	-0.001662	± 2.5	PASS
		VN	0	2.98	0.004197	± 2.5	PASS
		VN	10	4.53	0.006380	± 2.5	PASS

		VN	20	3.55	0.005000	± 2.5	PASS
		VN	30	-0.08	-0.000113	± 2.5	PASS
		VN	40	-1.35	-0.001901	± 2.5	PASS
		VN	50	2.27	0.003197	± 2.5	PASS
	HCH	VN	-30	1.86	0.002616	± 2.5	PASS
		VN	-20	4.97	0.006990	± 2.5	PASS
		VN	-10	-1.92	-0.002700	± 2.5	PASS
		VN	0	-1.69	-0.002377	± 2.5	PASS
		VN	10	-0.88	-0.001238	± 2.5	PASS
		VN	20	3.08	0.004332	± 2.5	PASS
		VN	30	-0.09	-0.000127	± 2.5	PASS
		VN	40	3.83	0.005387	± 2.5	PASS
		VN	50	-0.79	-0.001111	± 2.5	PASS
		QPSK	LCH	VN	-30	1.68	0.002366
VN	-20			1.08	0.001521	± 2.5	PASS
VN	-10			0.33	0.000465	± 2.5	PASS
VN	0			2.72	0.003831	± 2.5	PASS
VN	10			4.75	0.006690	± 2.5	PASS
VN	20			0.98	0.001380	± 2.5	PASS
VN	30			2.35	0.003310	± 2.5	PASS
VN	40			1.96	0.002761	± 2.5	PASS
VN	50			0.1	0.000141	± 2.5	PASS
MCH	VN		-30	-1.99	-0.002799	± 2.5	PASS
	VN		-20	-1.46	-0.002053	± 2.5	PASS
	VN		-10	4.68	0.006582	± 2.5	PASS
	VN		0	4.42	0.006217	± 2.5	PASS
	VN		10	3.53	0.004965	± 2.5	PASS
	VN		20	2.26	0.003179	± 2.5	PASS
	VN		30	4.96	0.006976	± 2.5	PASS
	VN		40	2.9	0.004079	± 2.5	PASS
	VN		50	3.82	0.005373	± 2.5	PASS
HCH	VN		-30	0.17	0.000239	± 2.5	PASS
	VN		-20	0.84	0.001181	± 2.5	PASS
	VN		-10	3.68	0.005176	± 2.5	PASS
	VN		0	3.38	0.004754	± 2.5	PASS
	VN		10	4.07	0.005724	± 2.5	PASS
	VN		20	0.21	0.000295	± 2.5	PASS
	VN		30	2.44	0.003432	± 2.5	PASS
	VN		40	3.9	0.005485	± 2.5	PASS
	VN		50	2.12	0.002982	± 2.5	PASS