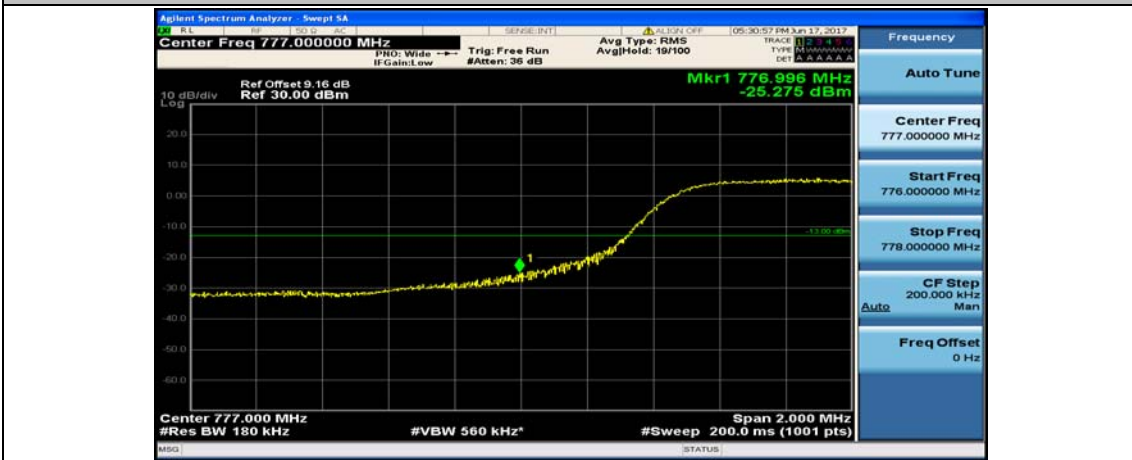
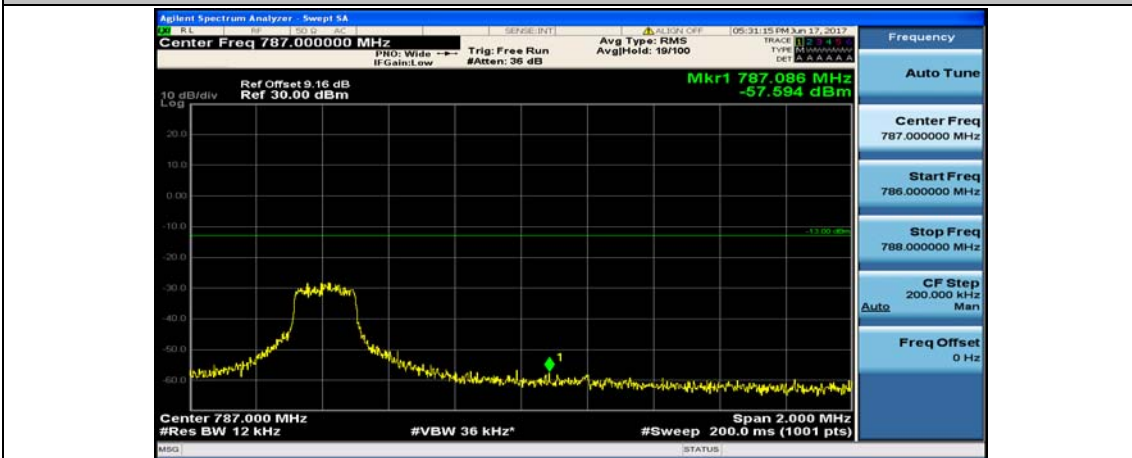




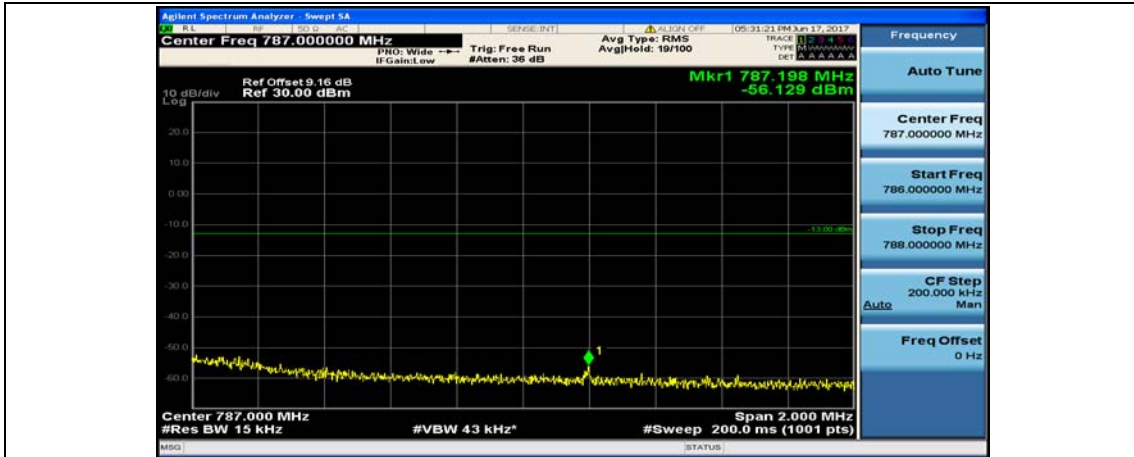
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



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



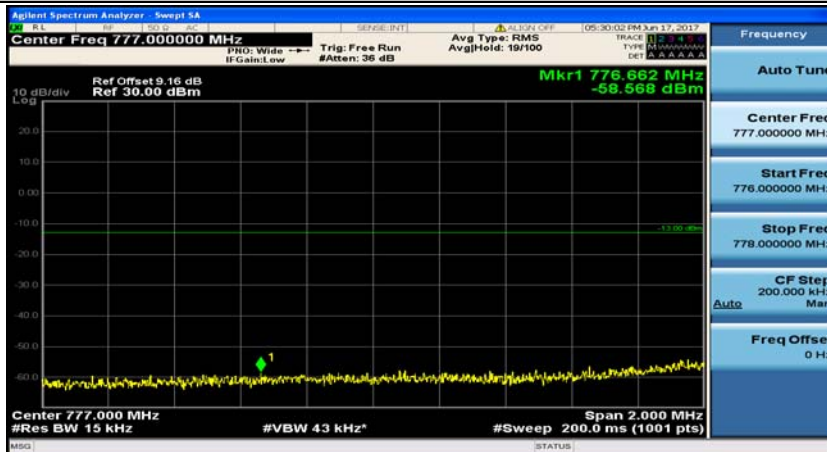
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



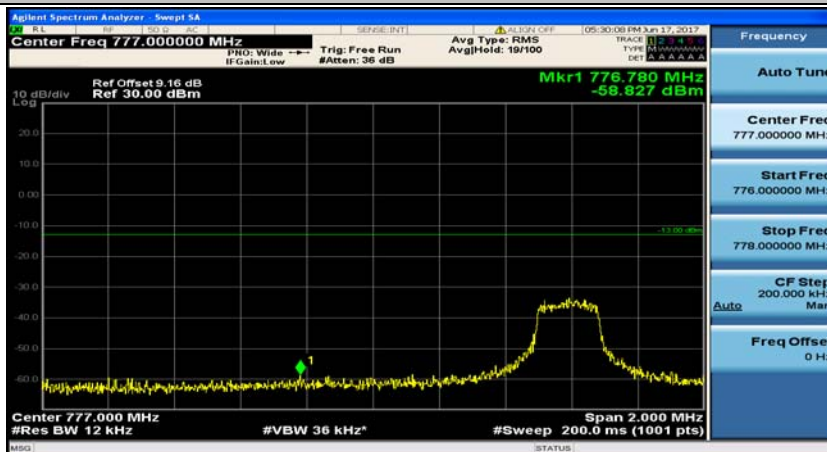
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



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



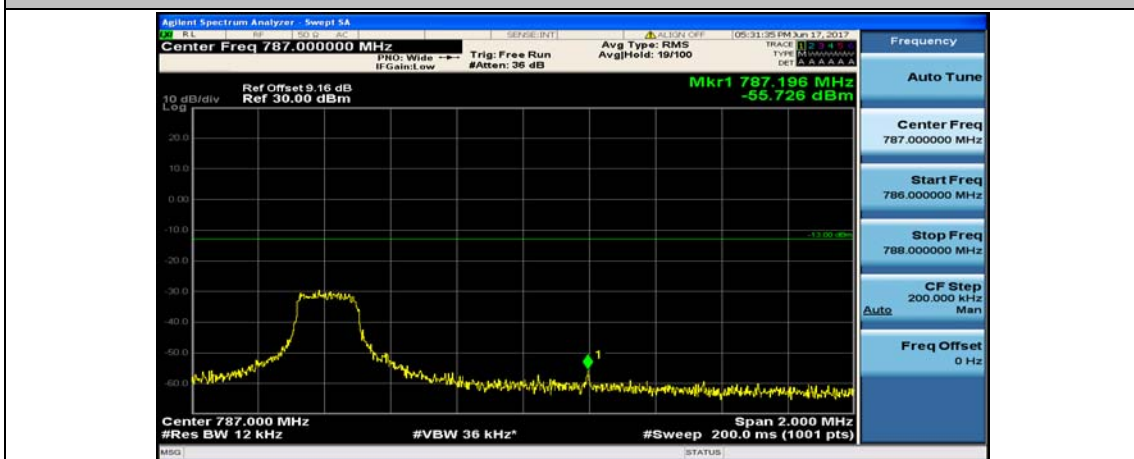
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



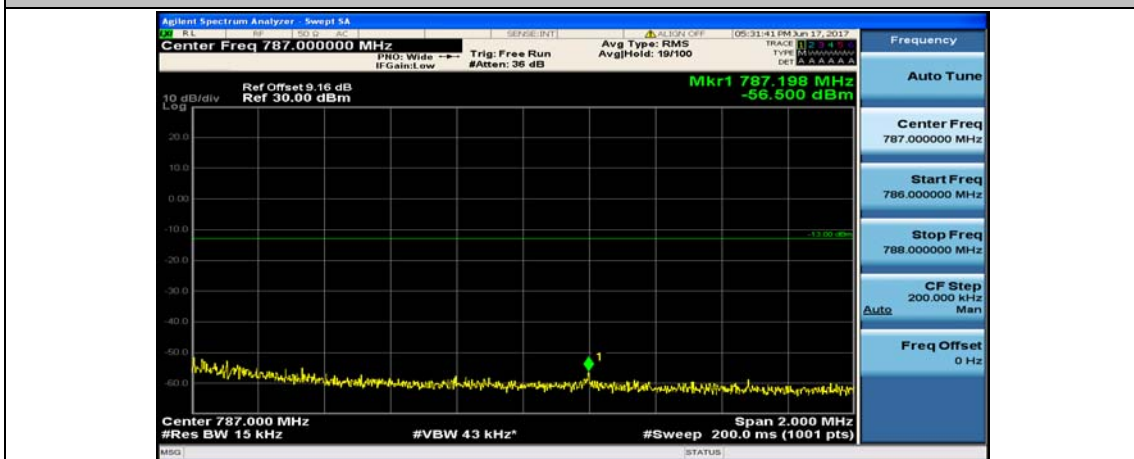
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



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



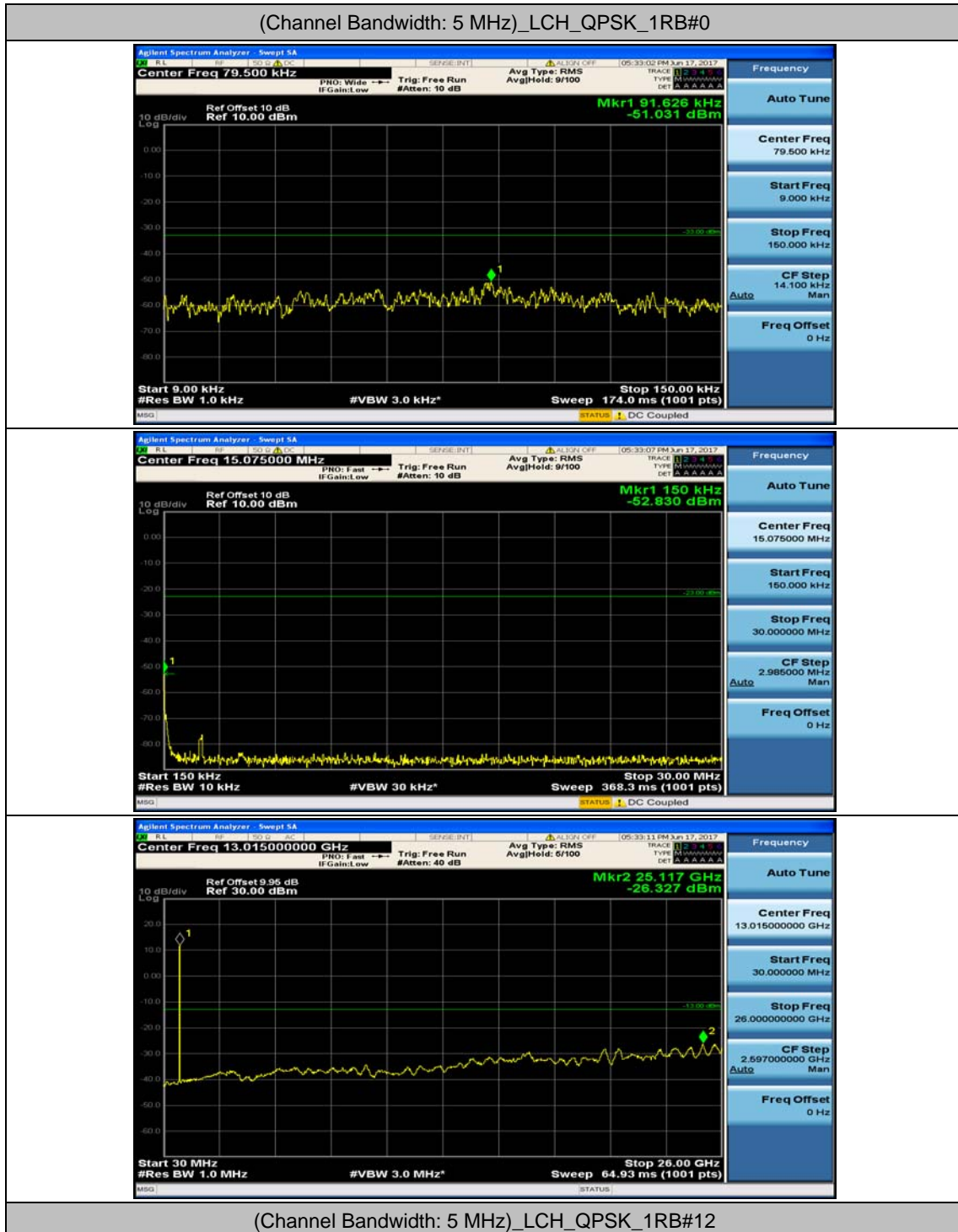
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

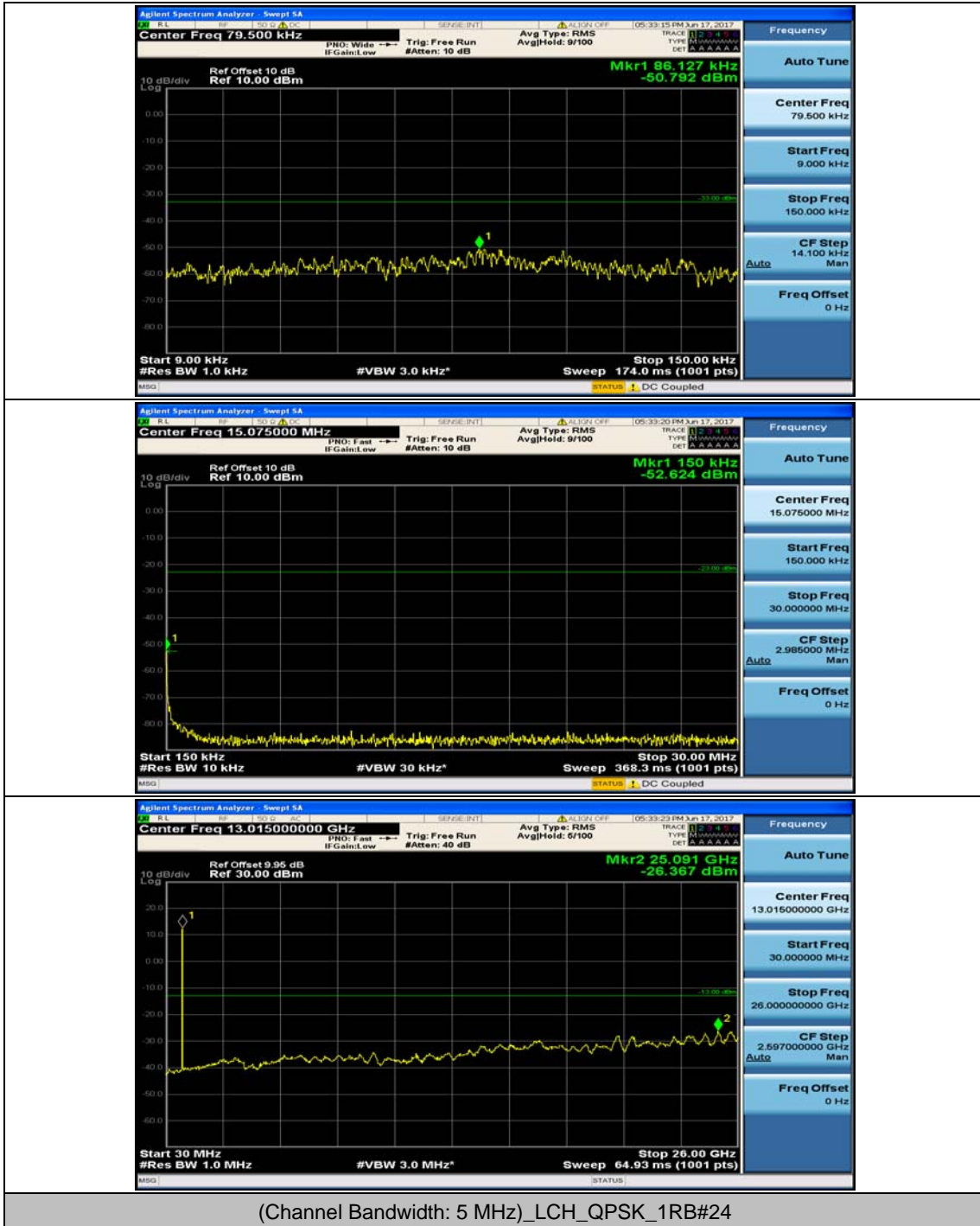


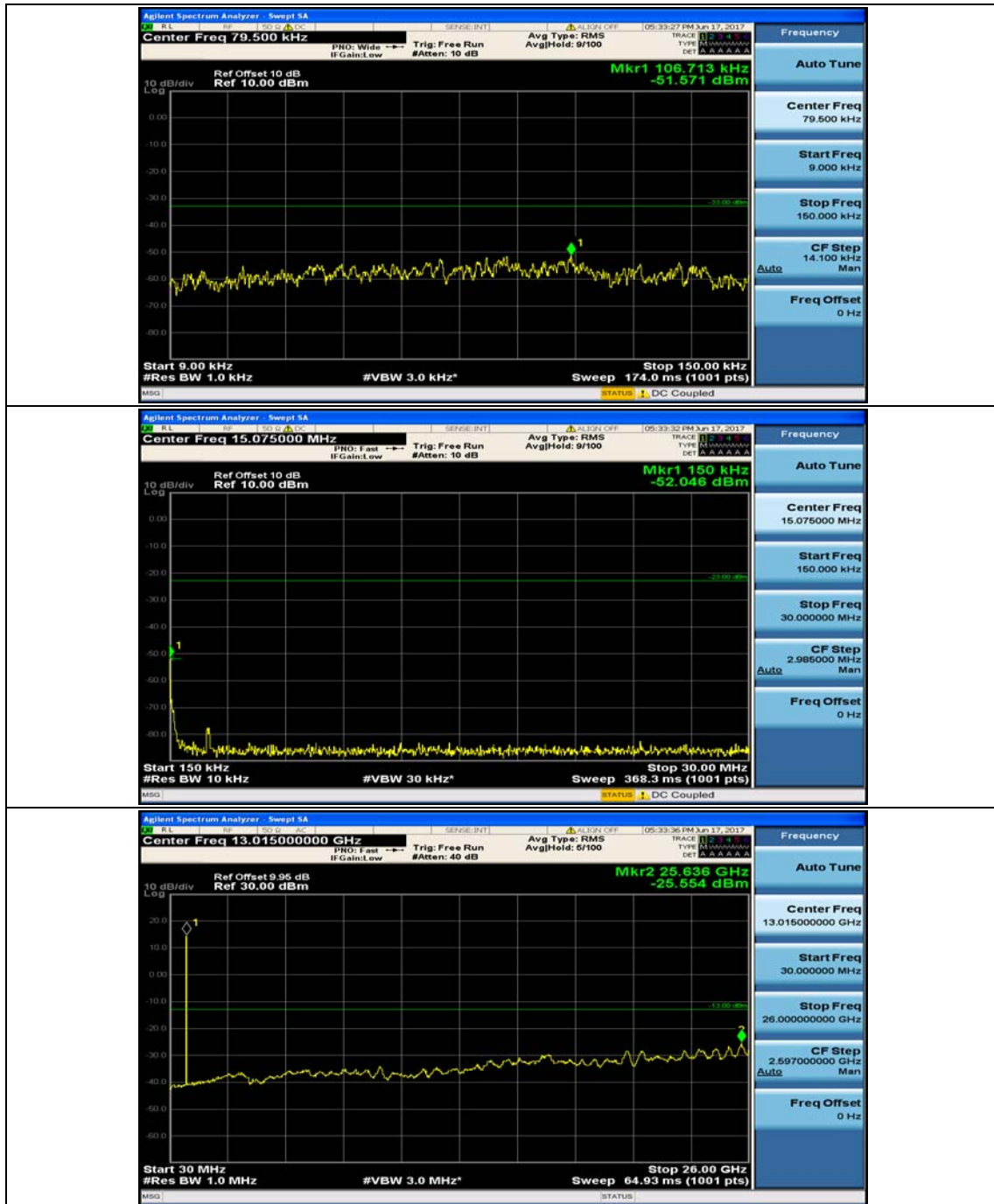
Appendix E: Conducted Spurious Emission

Test Graphs

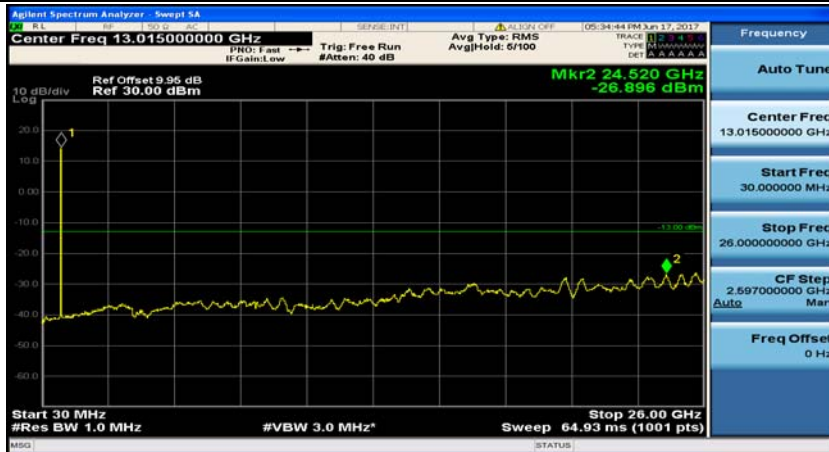
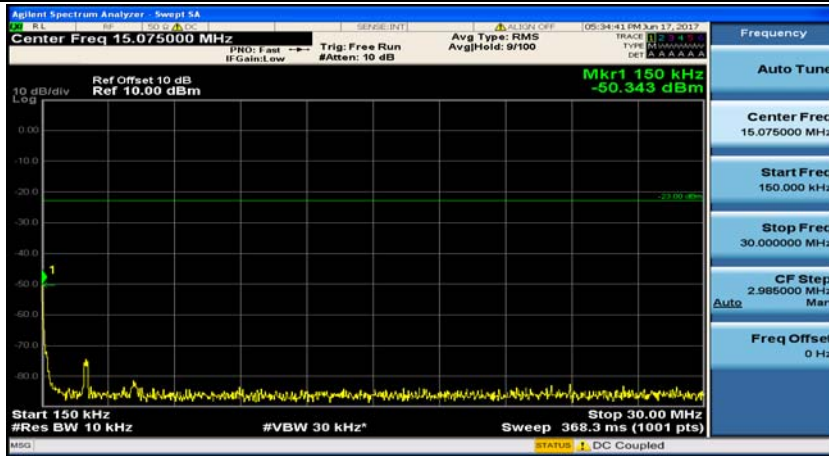
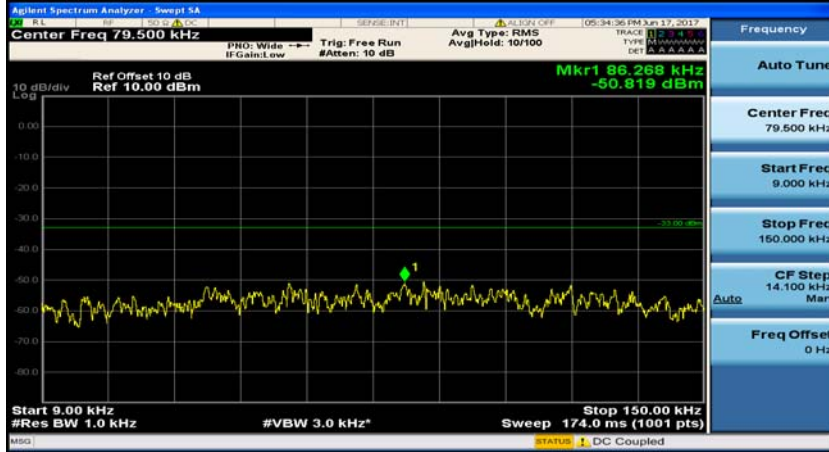
Channel Bandwidth: 5 MHz



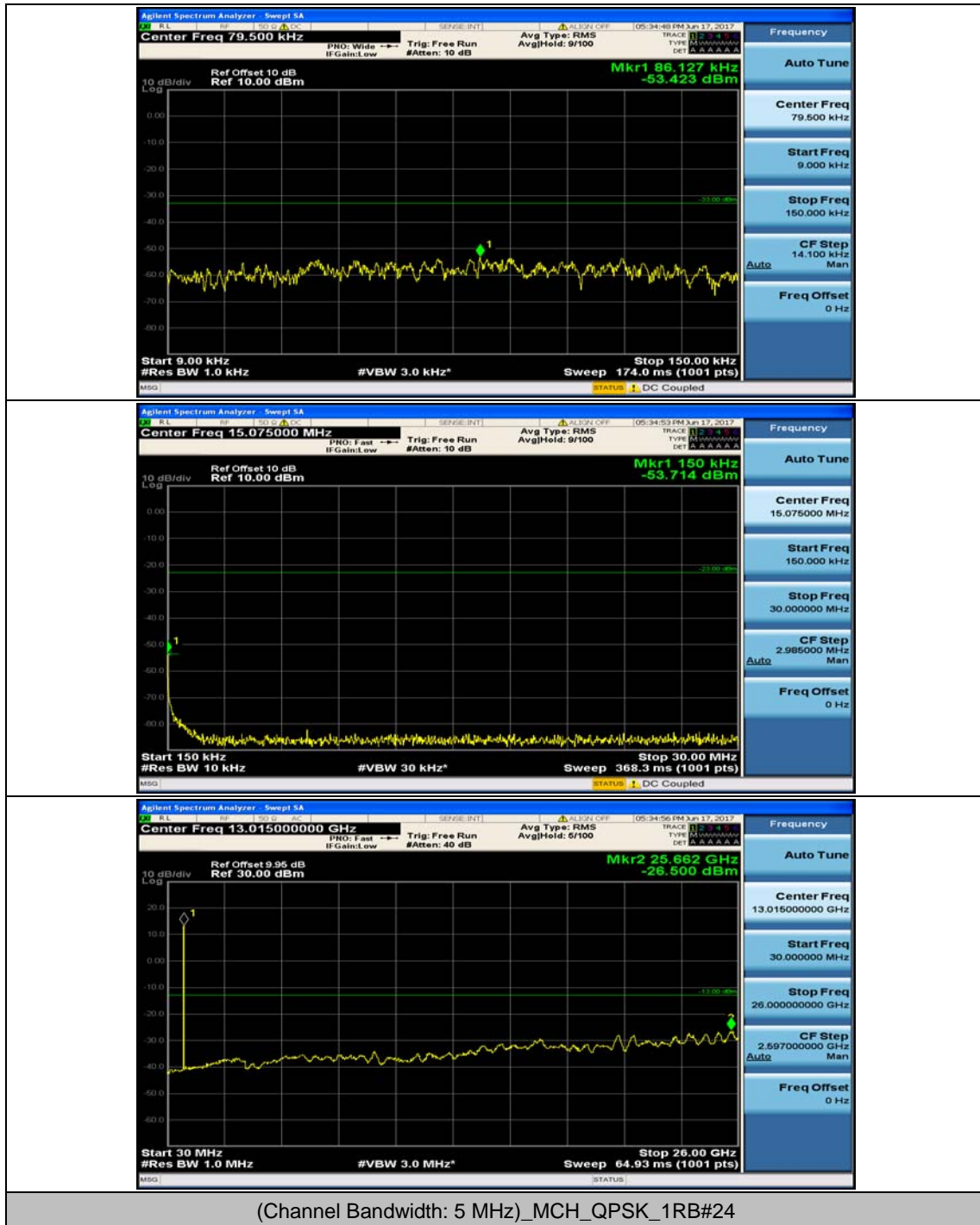


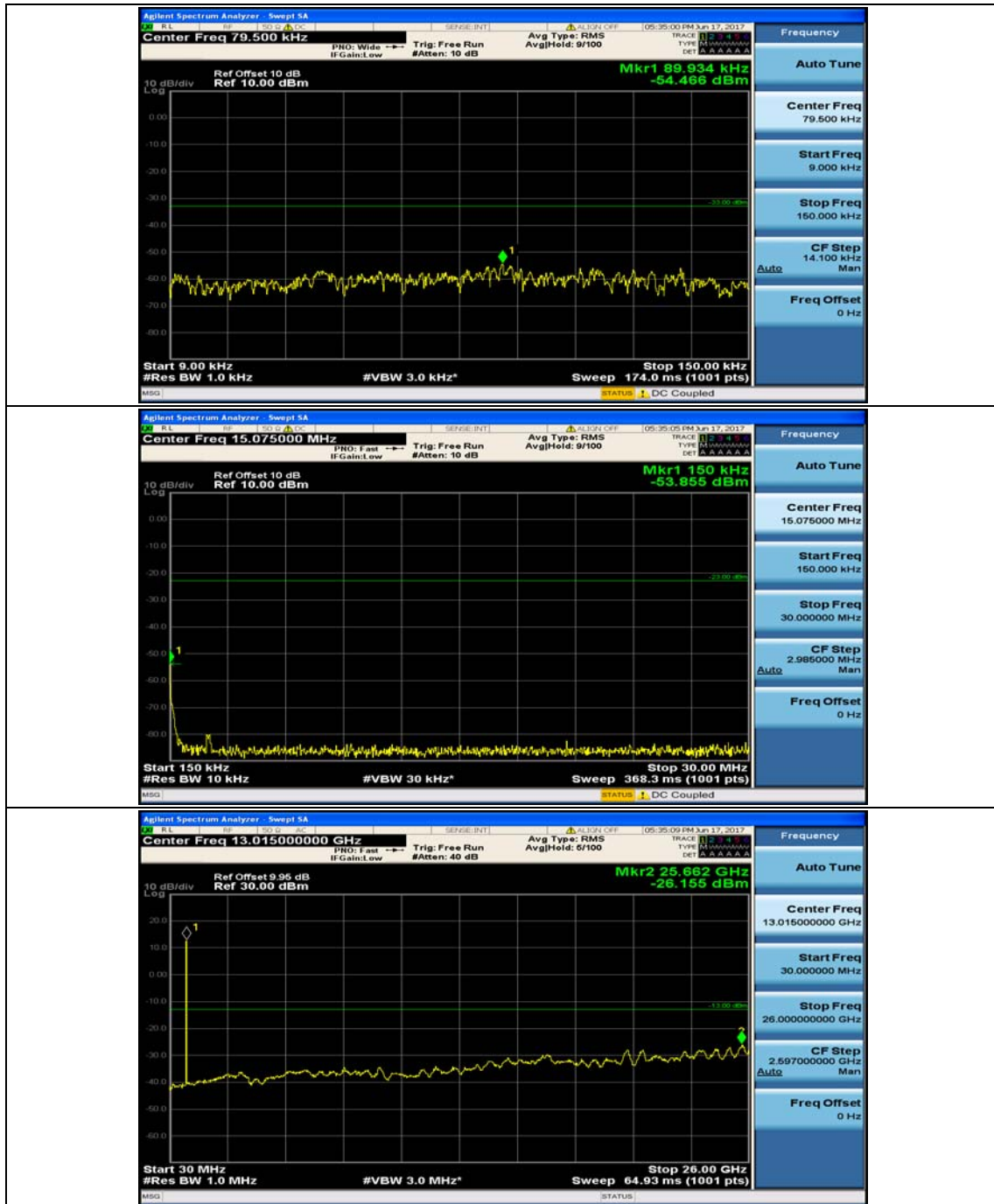


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

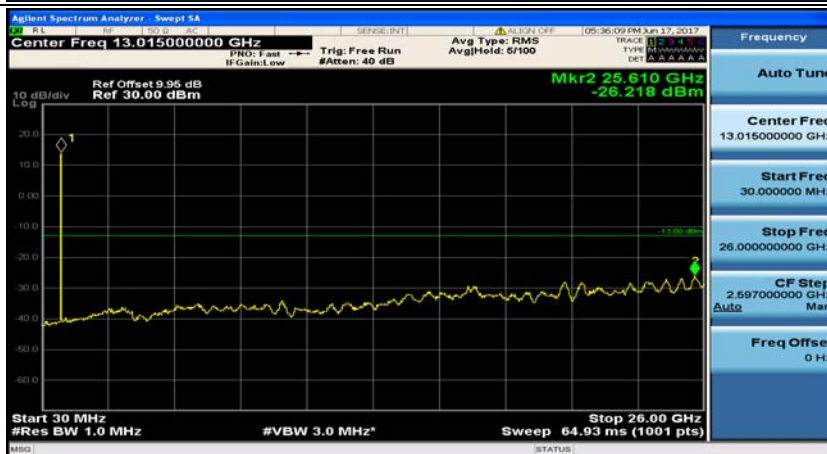
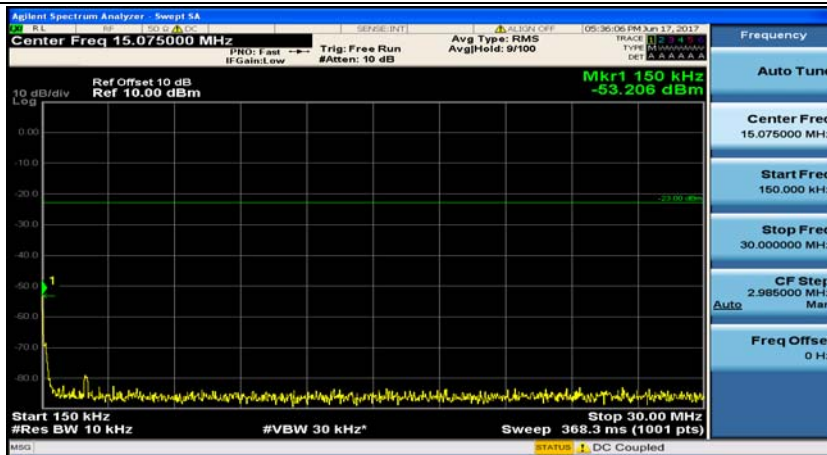


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

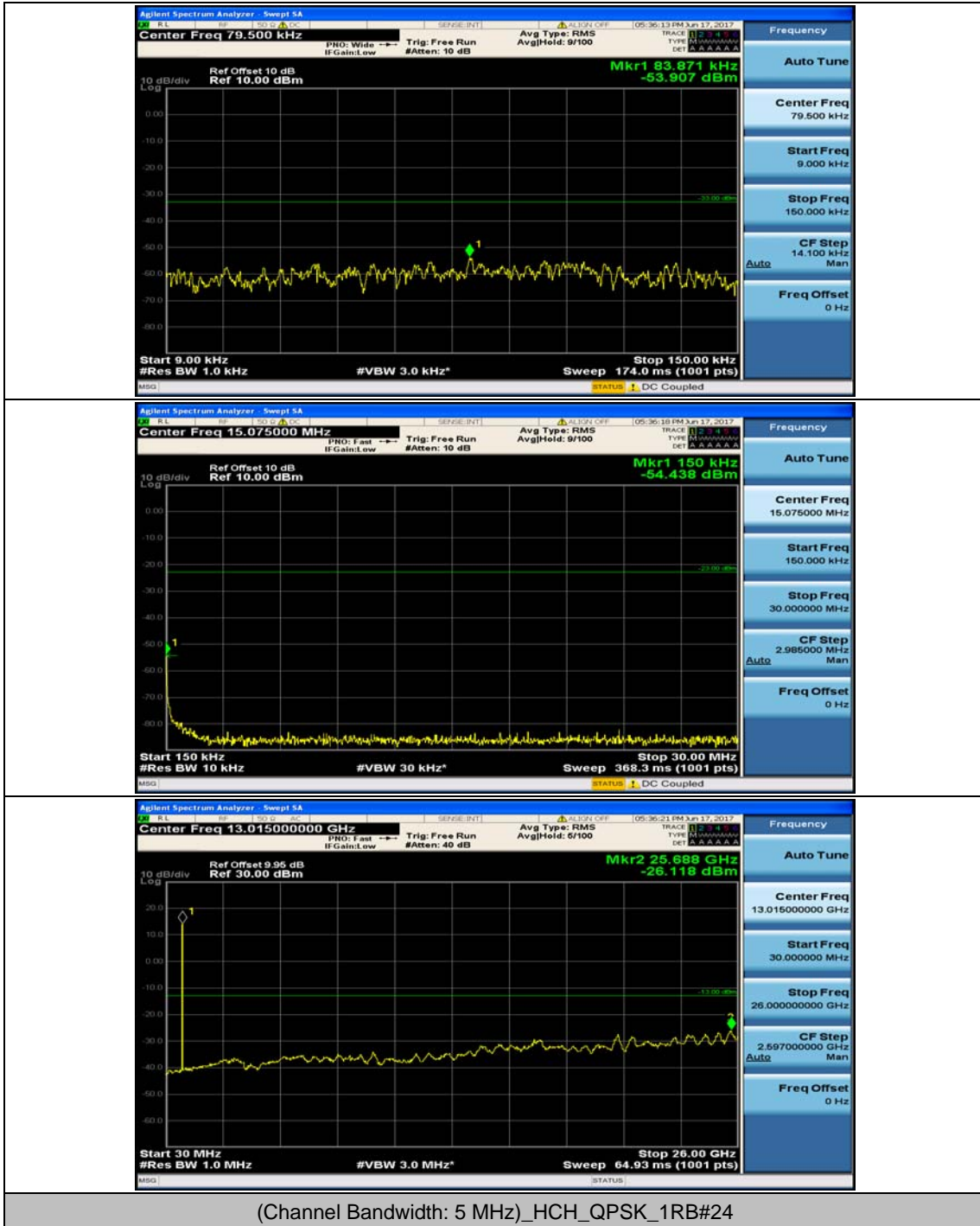


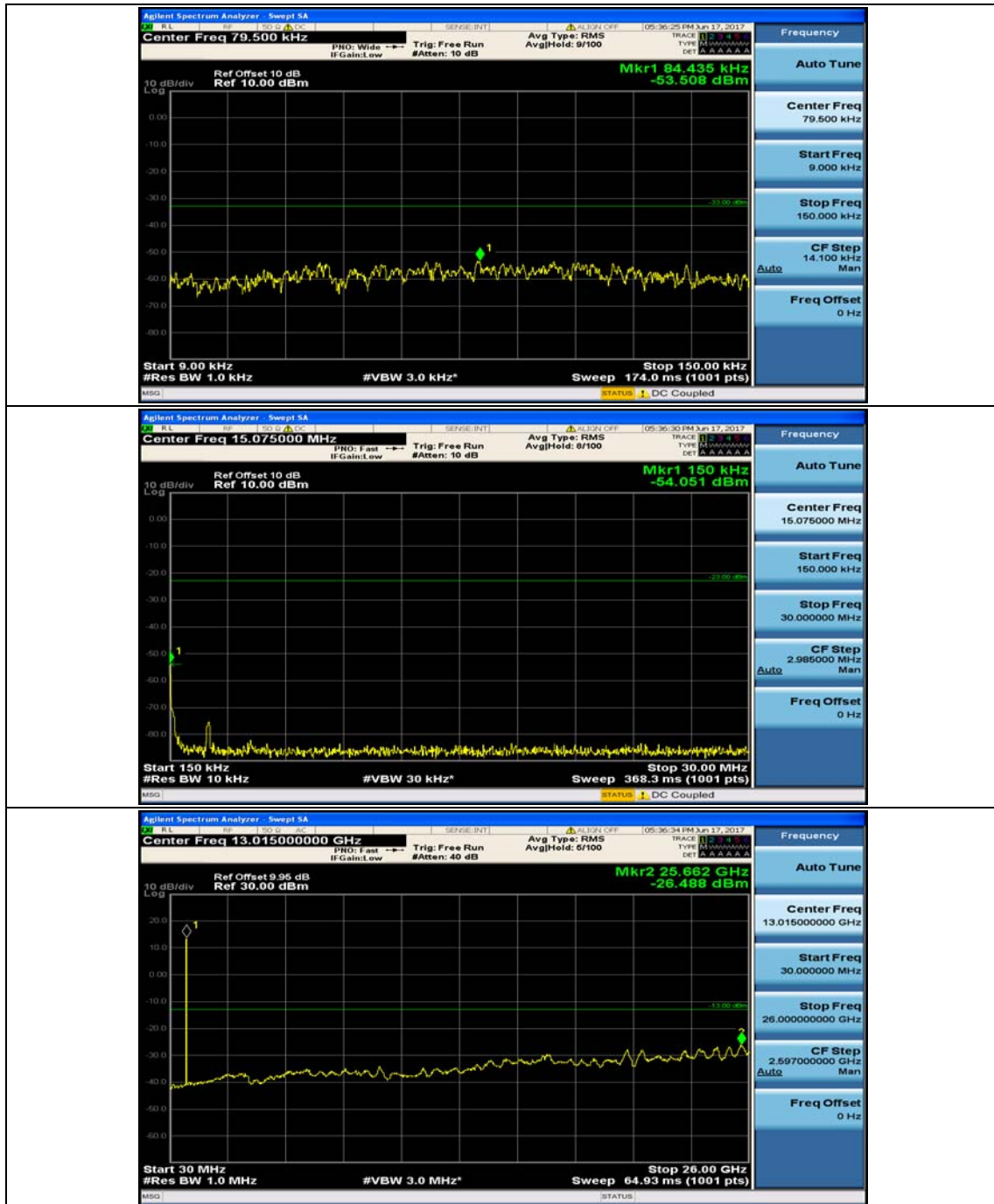


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

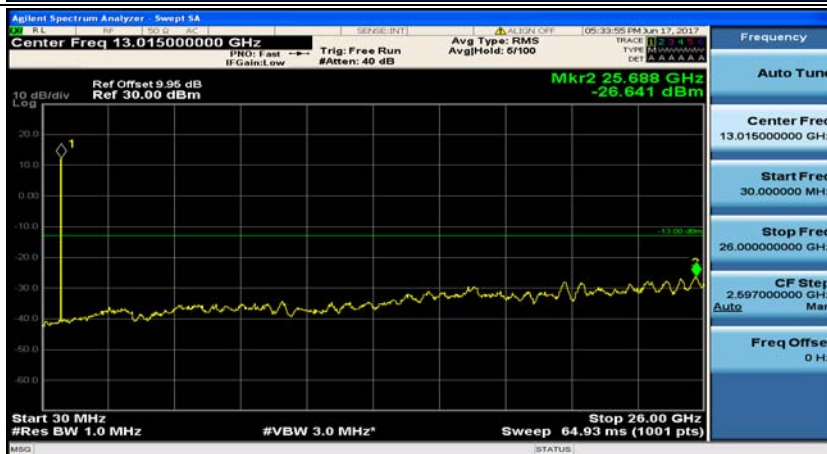
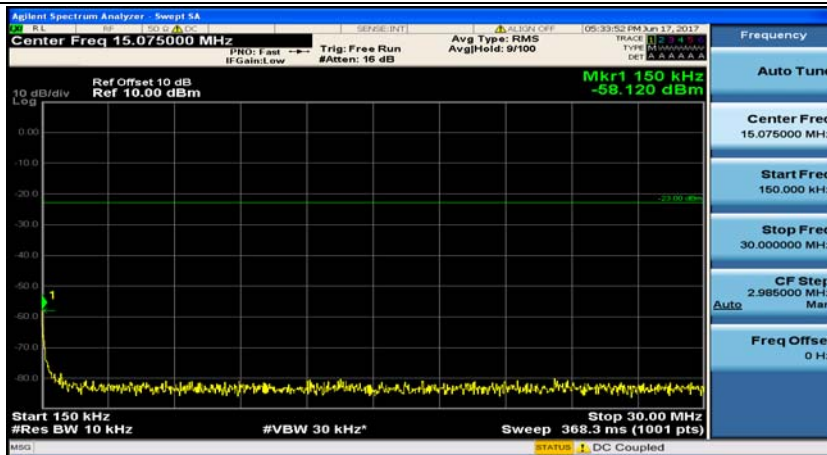
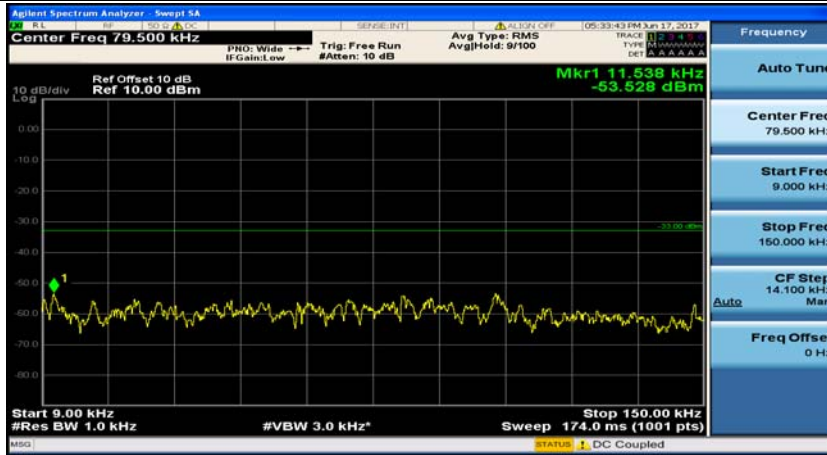


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

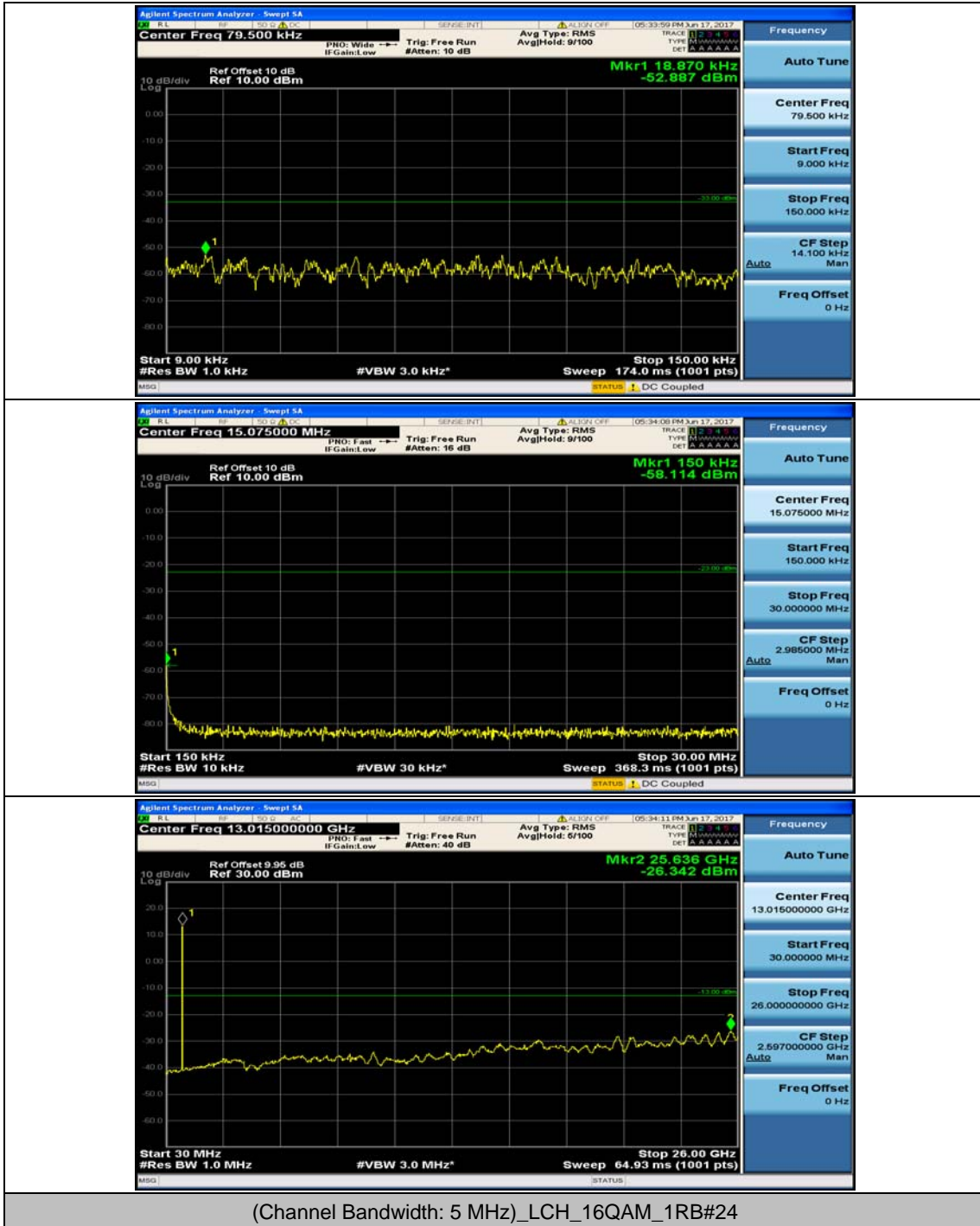


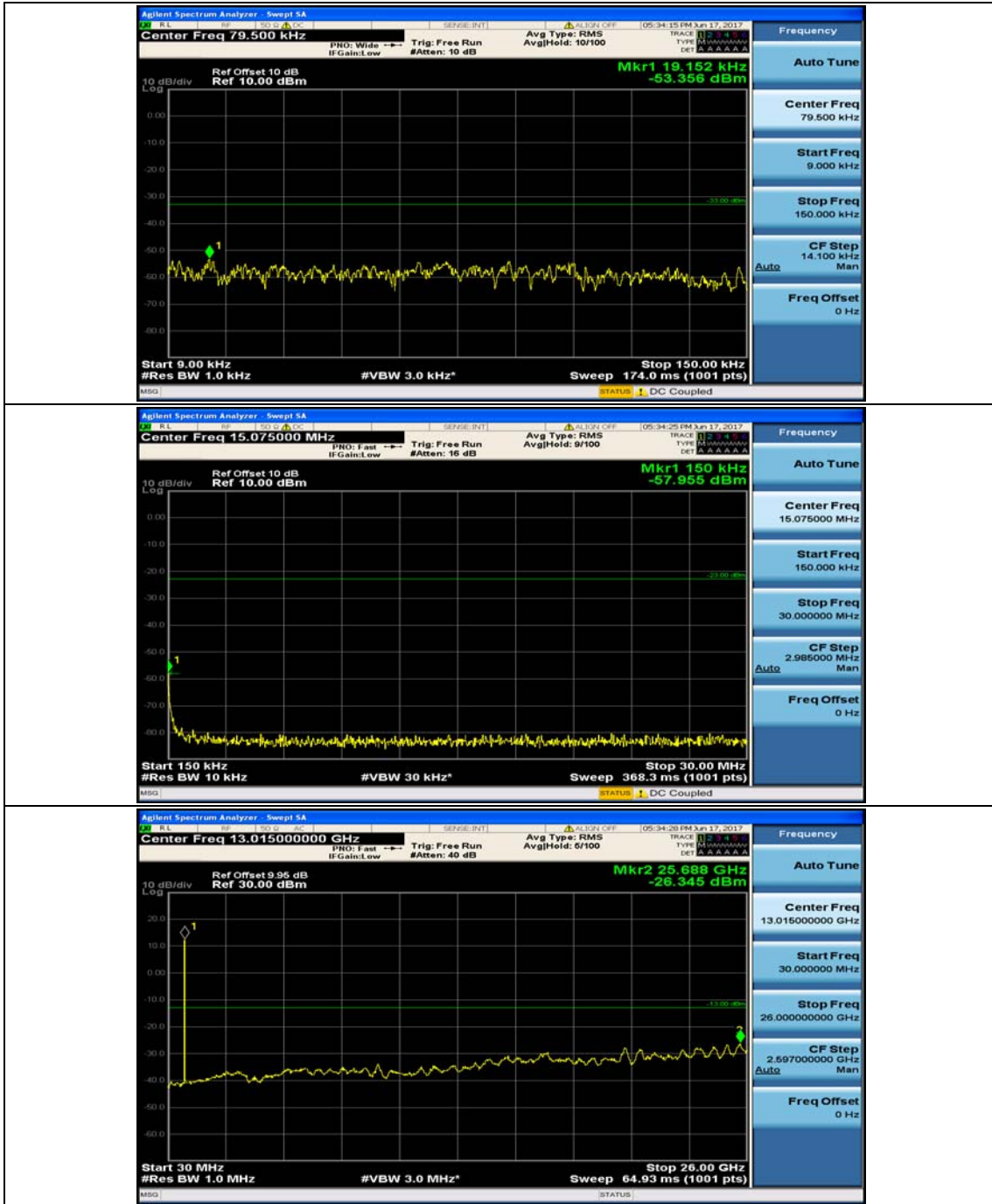


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

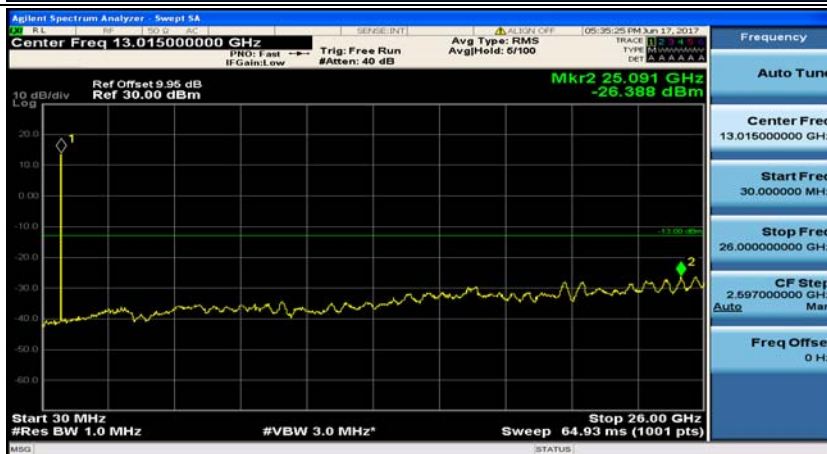
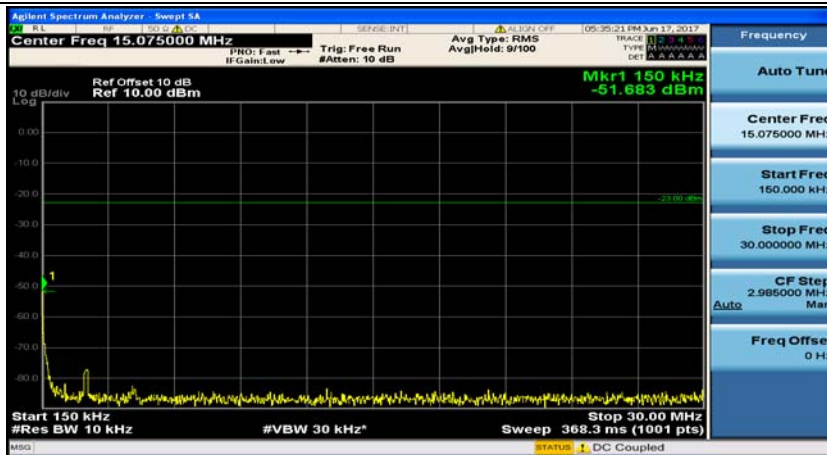


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

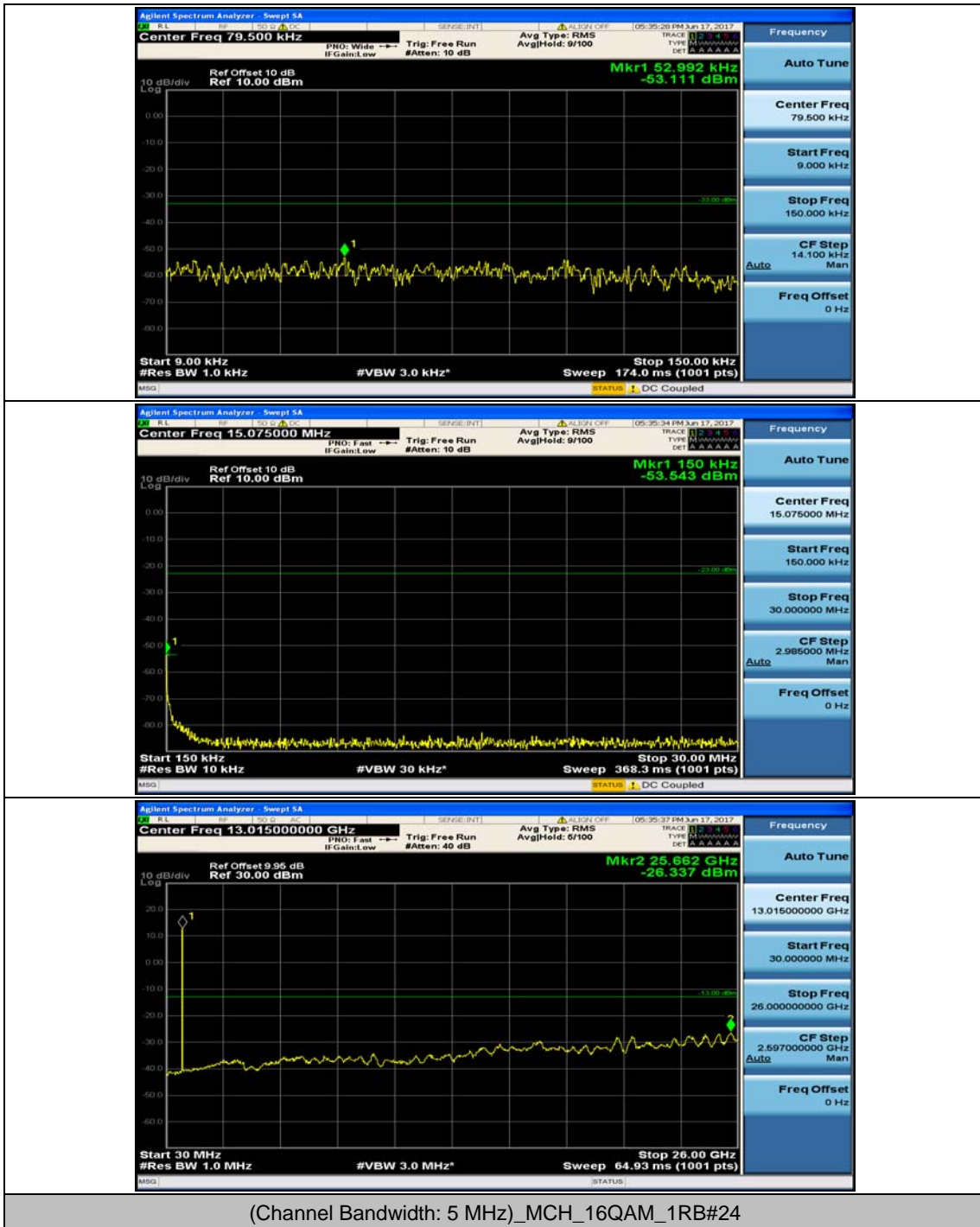


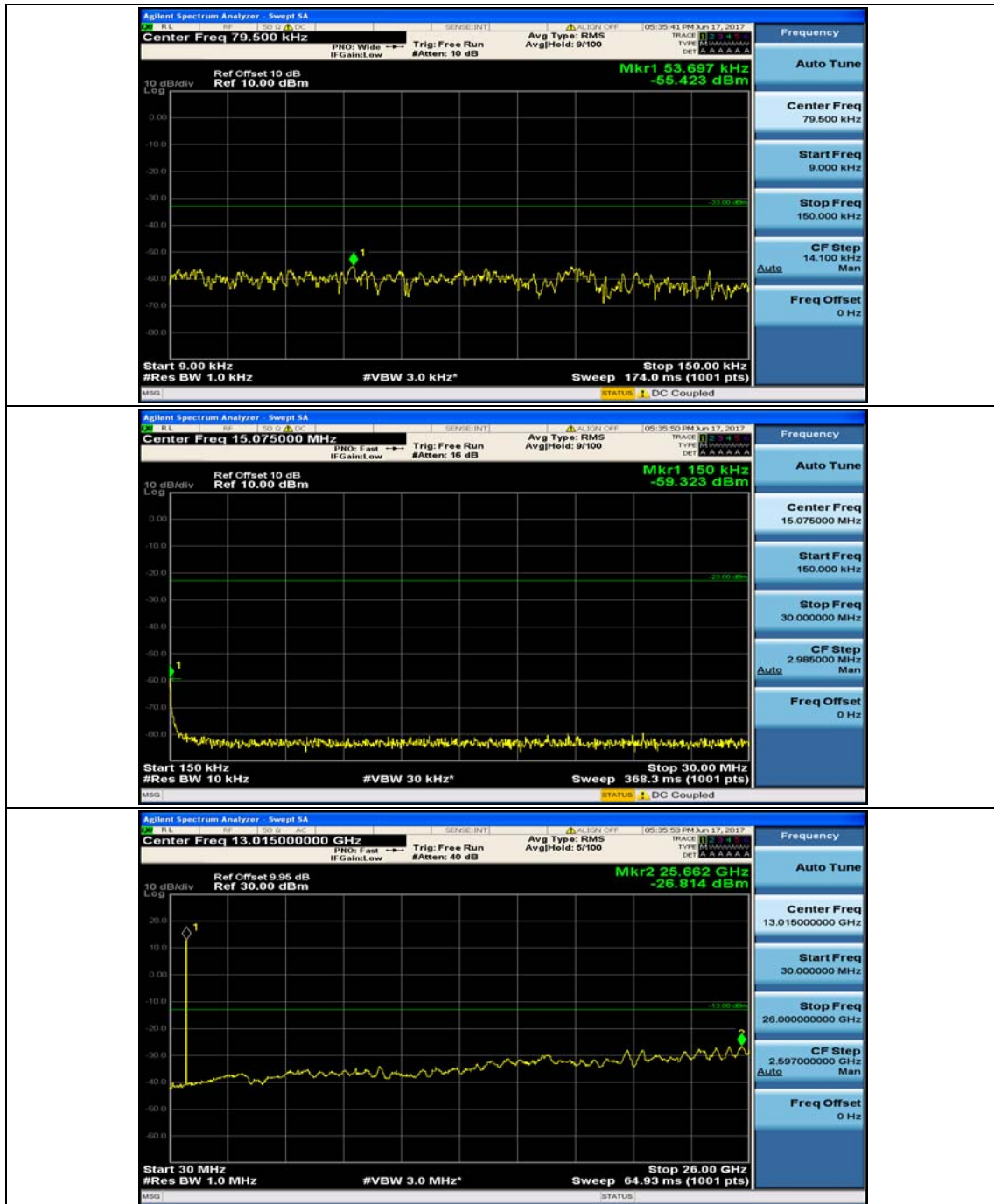


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

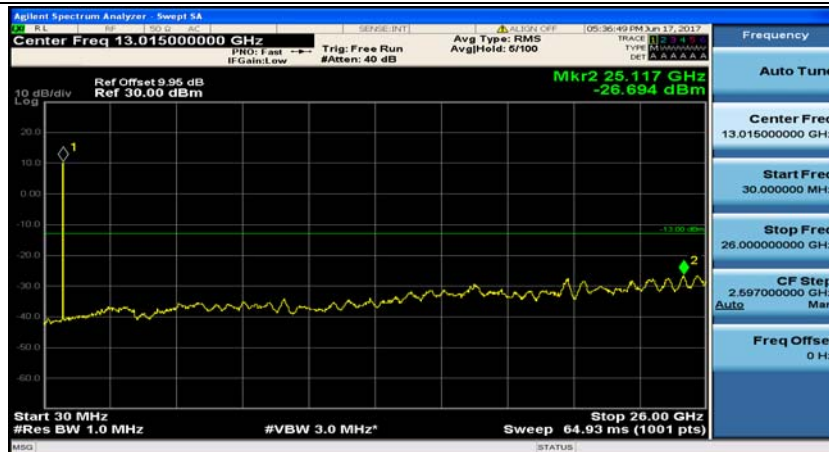
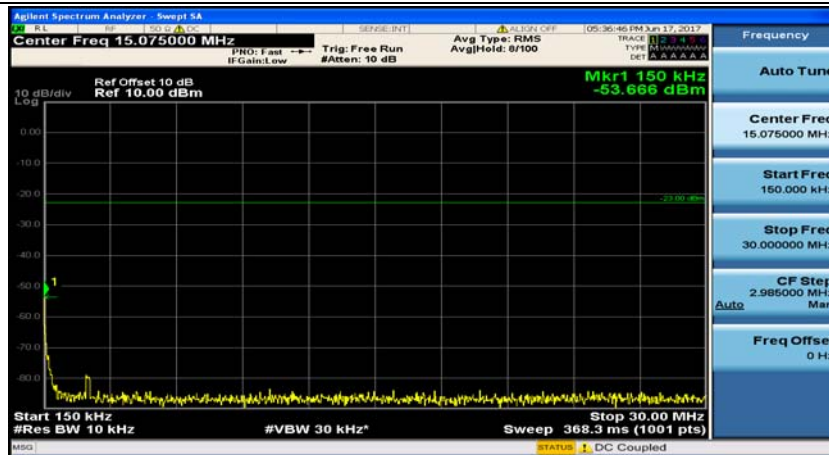
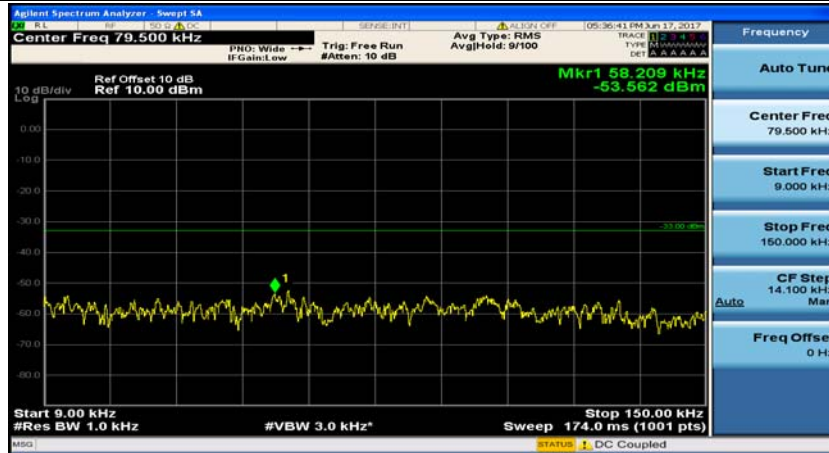


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

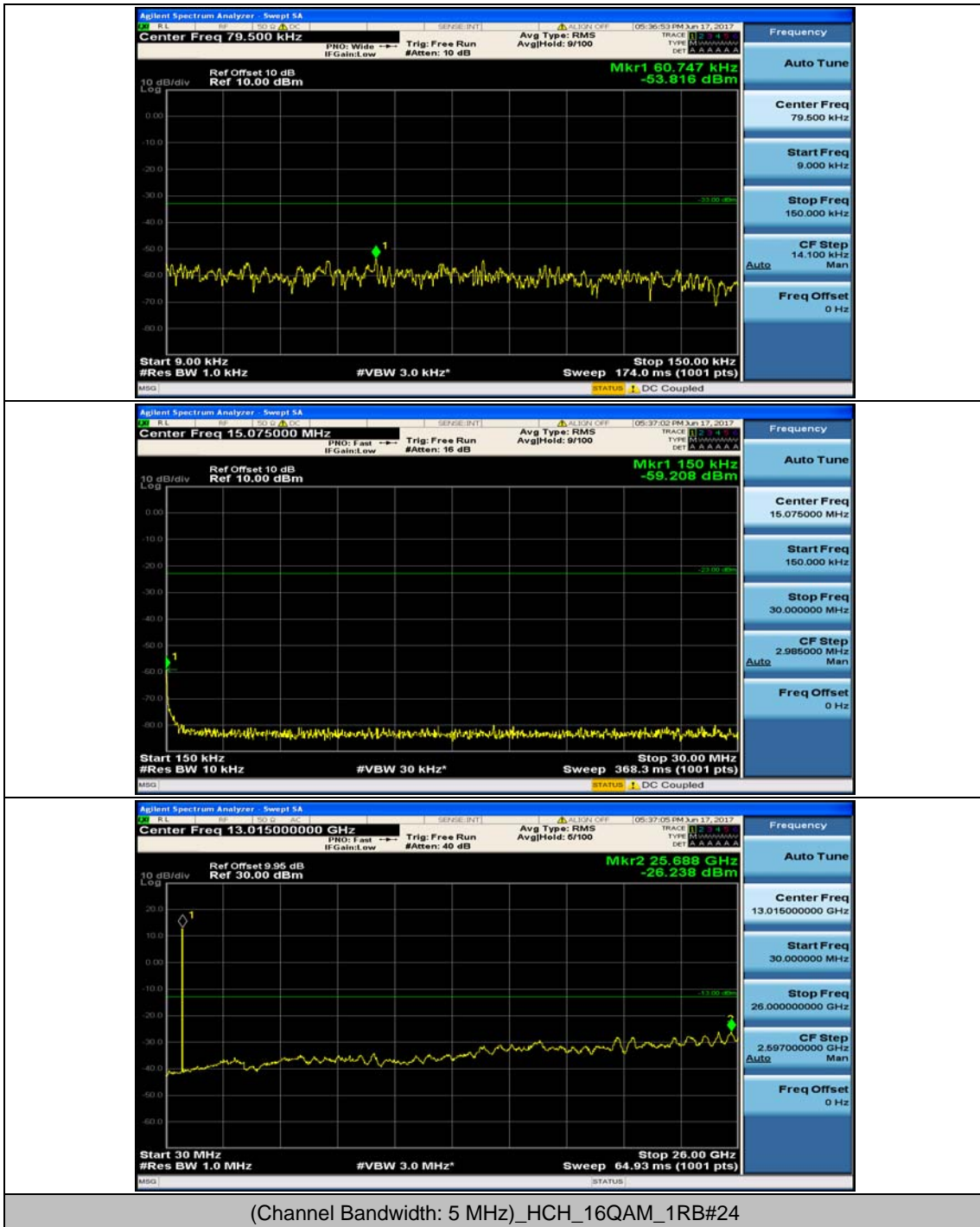


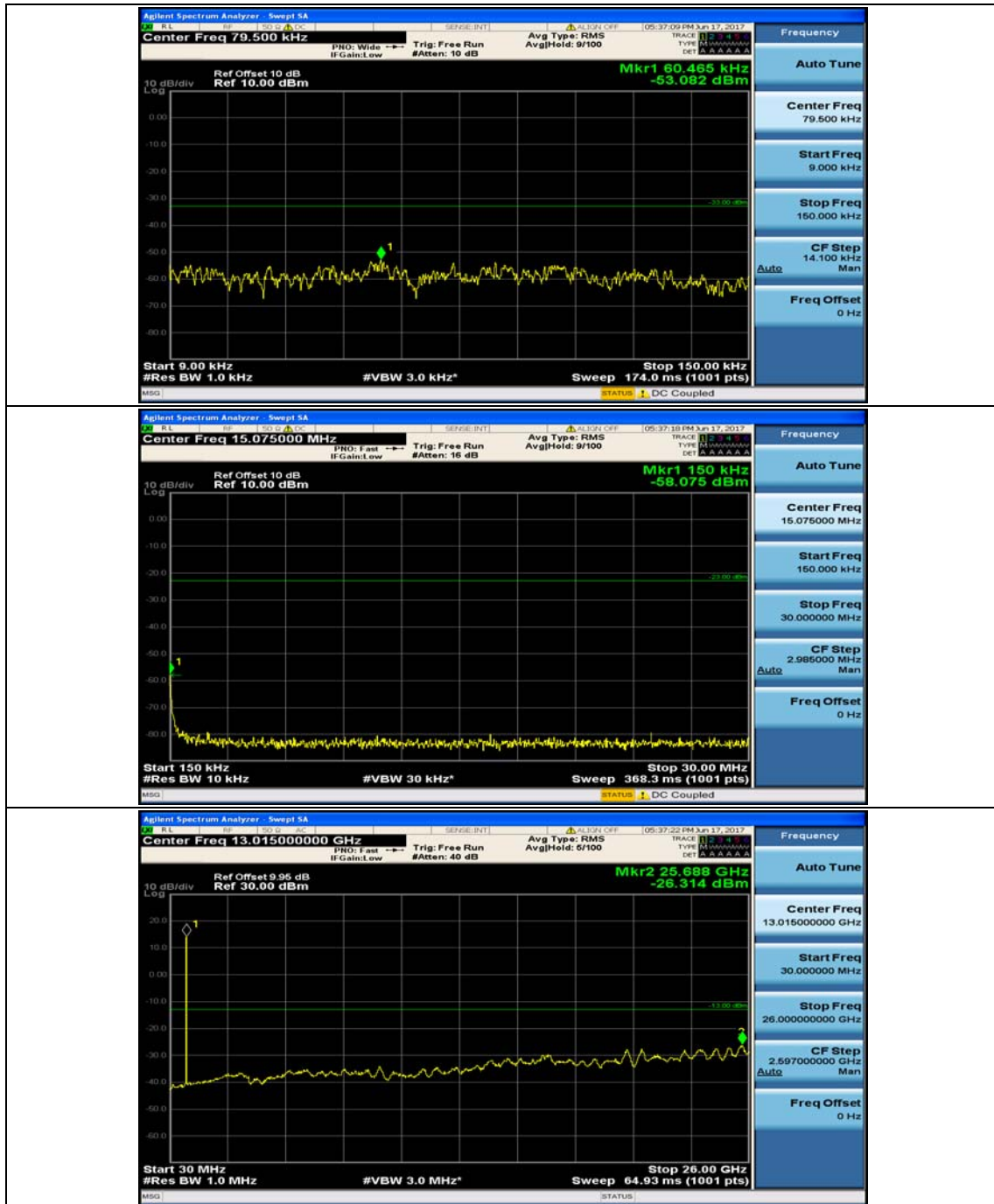


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

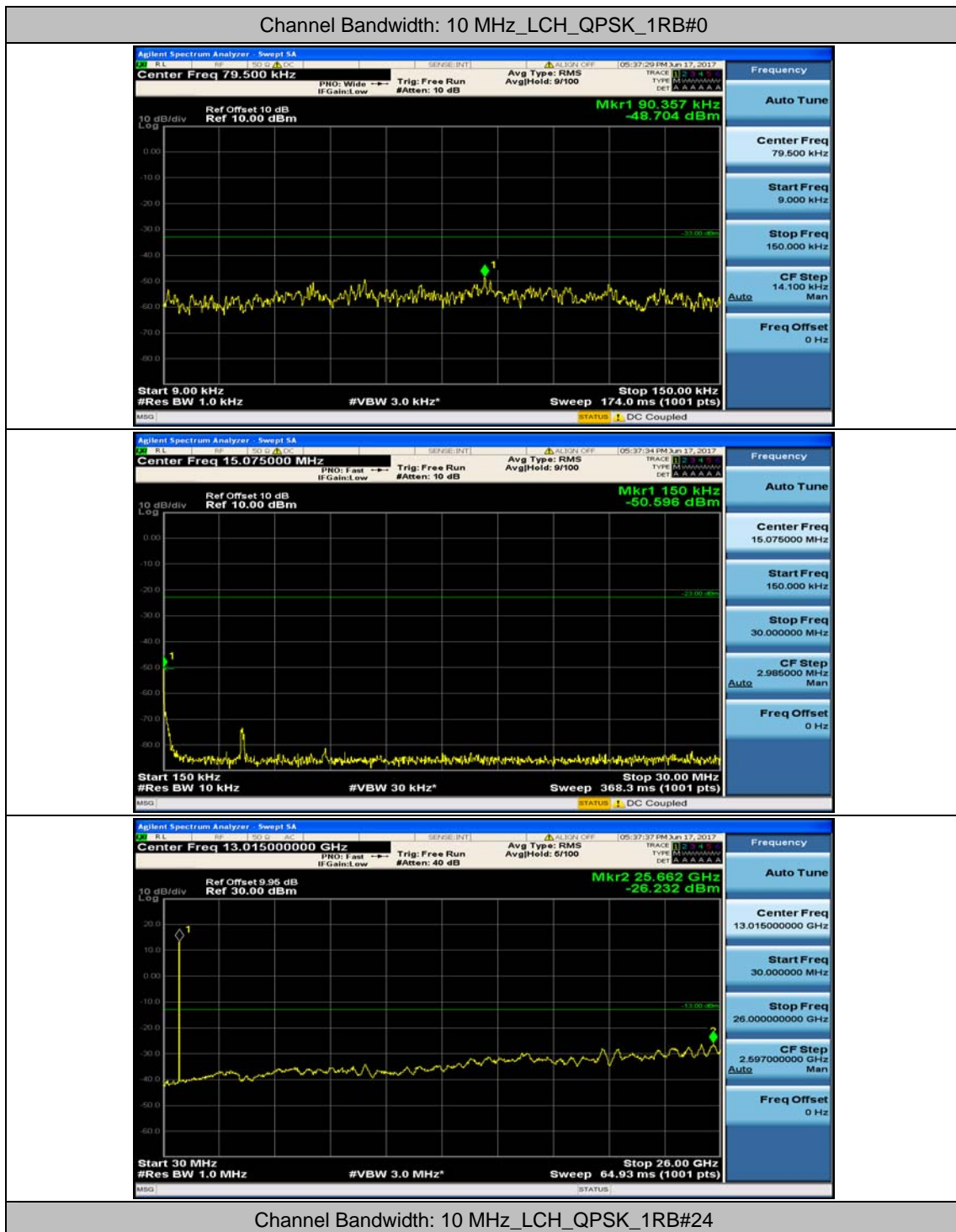


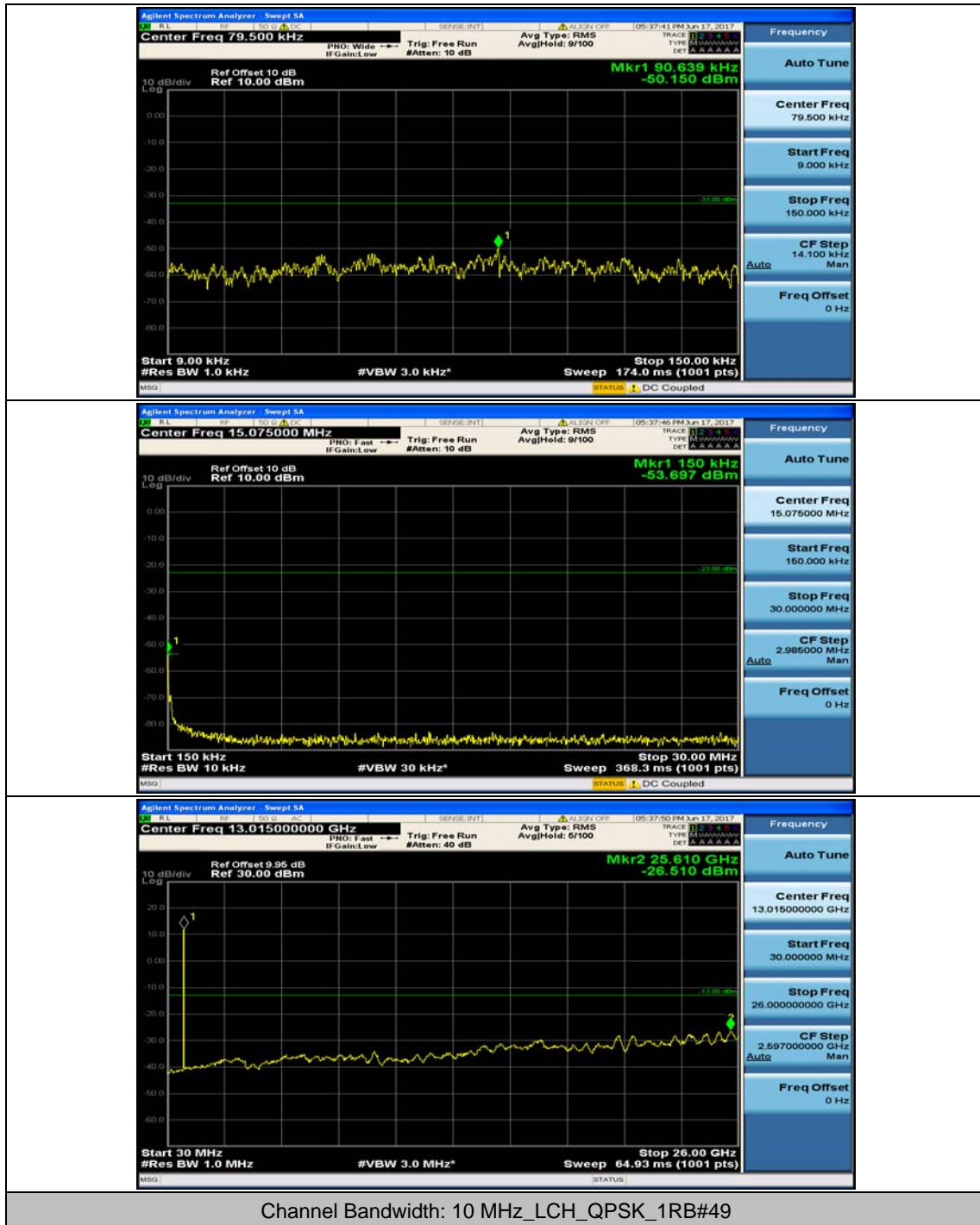
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

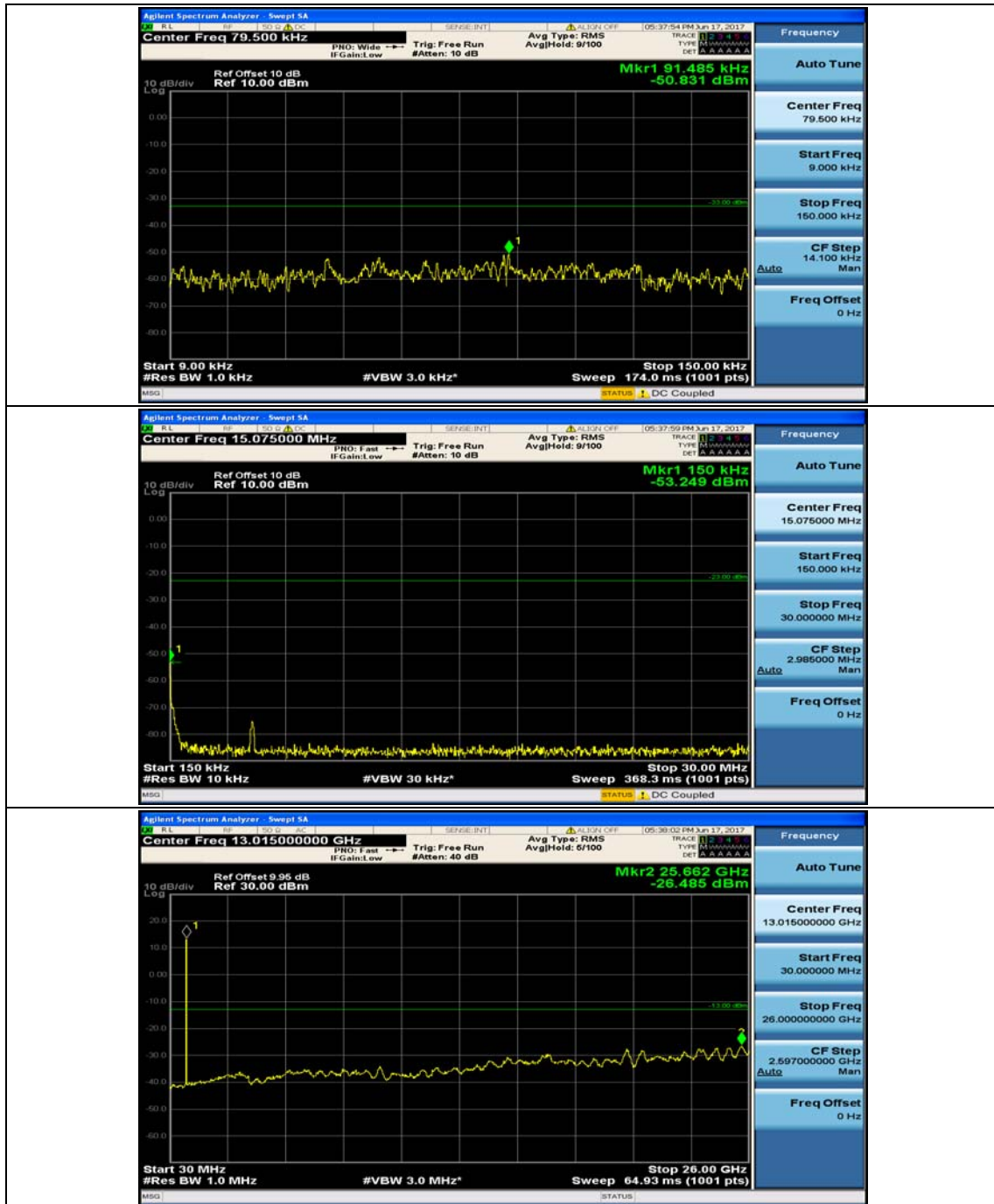




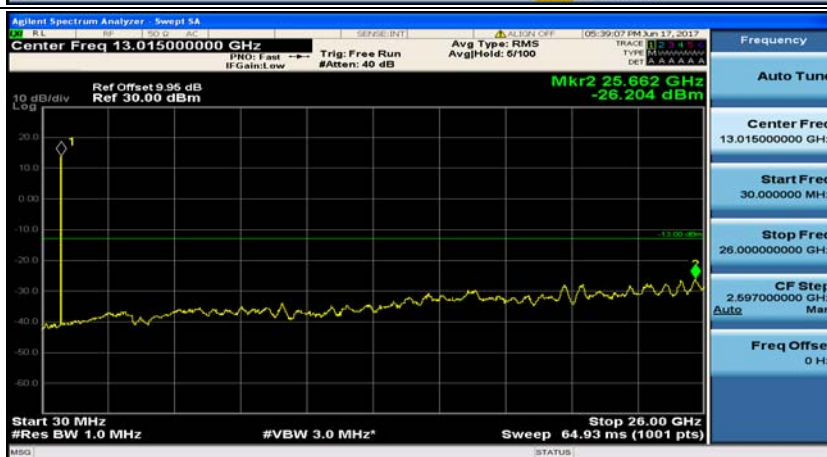
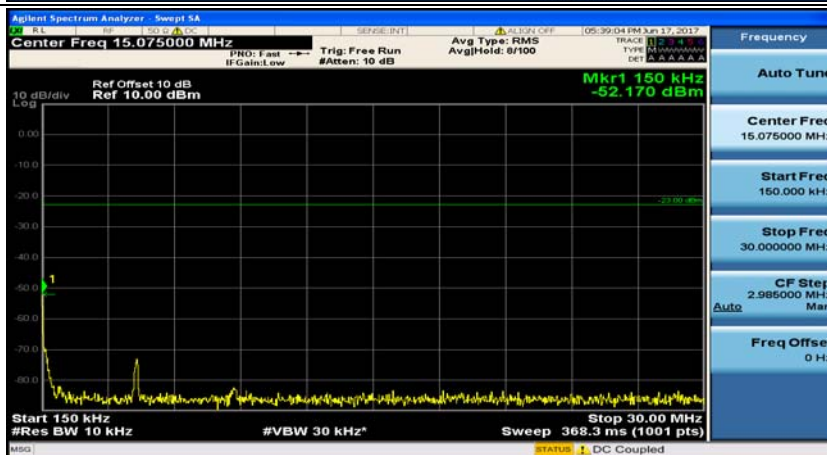
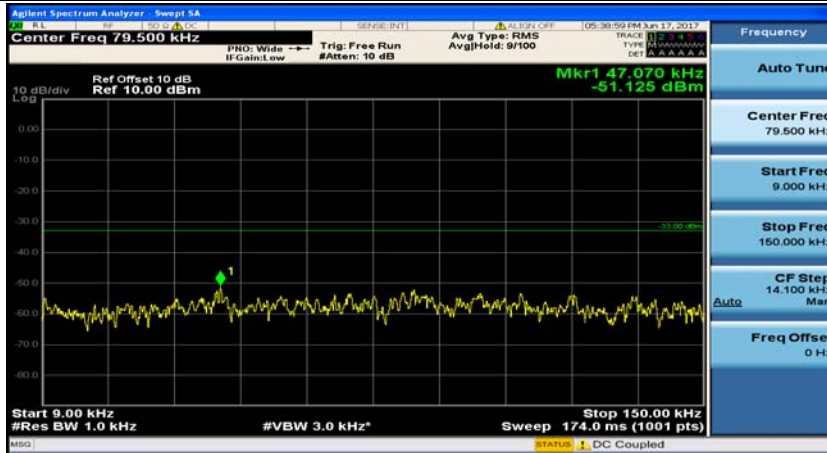
Channel Bandwidth: 10 MHz



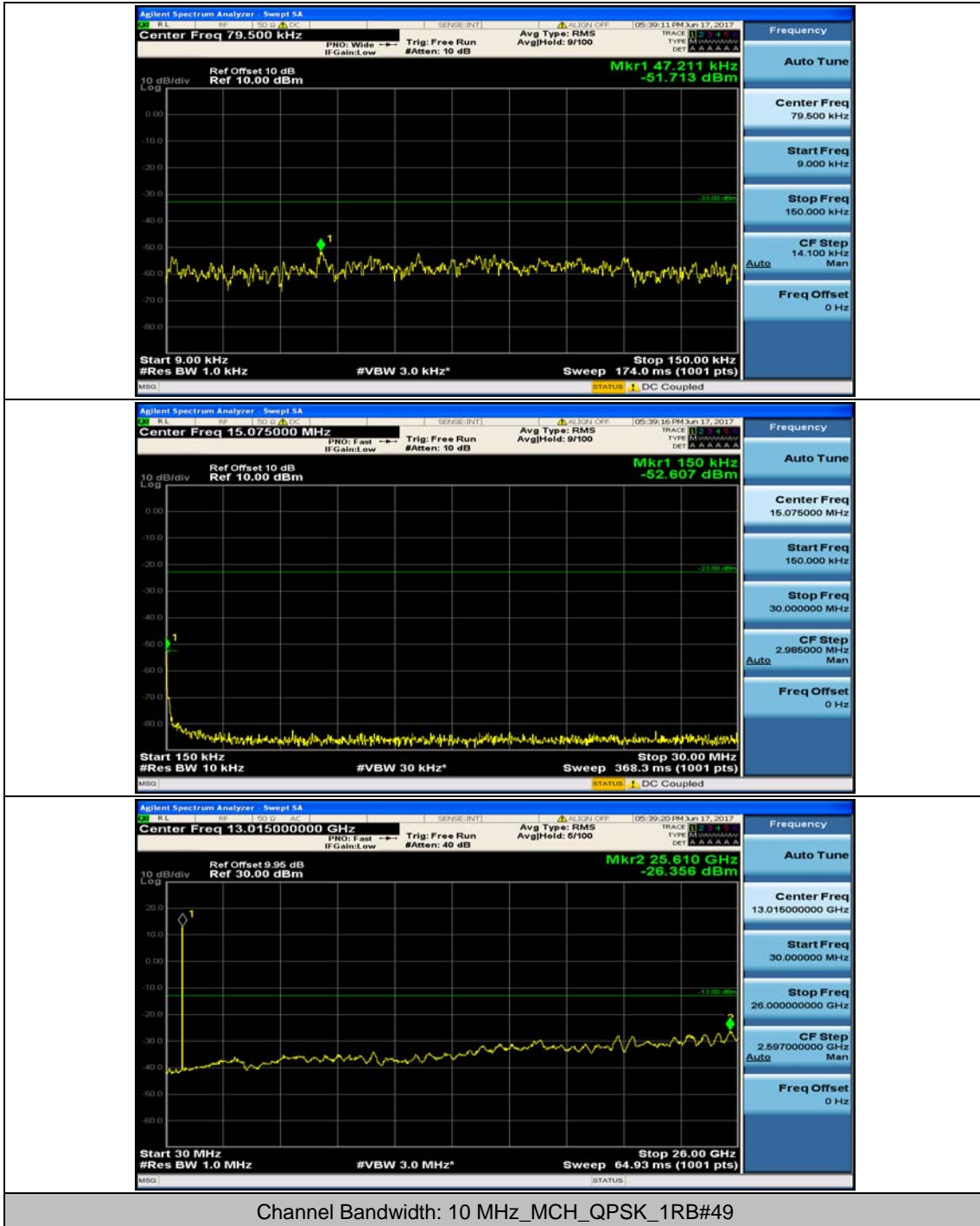


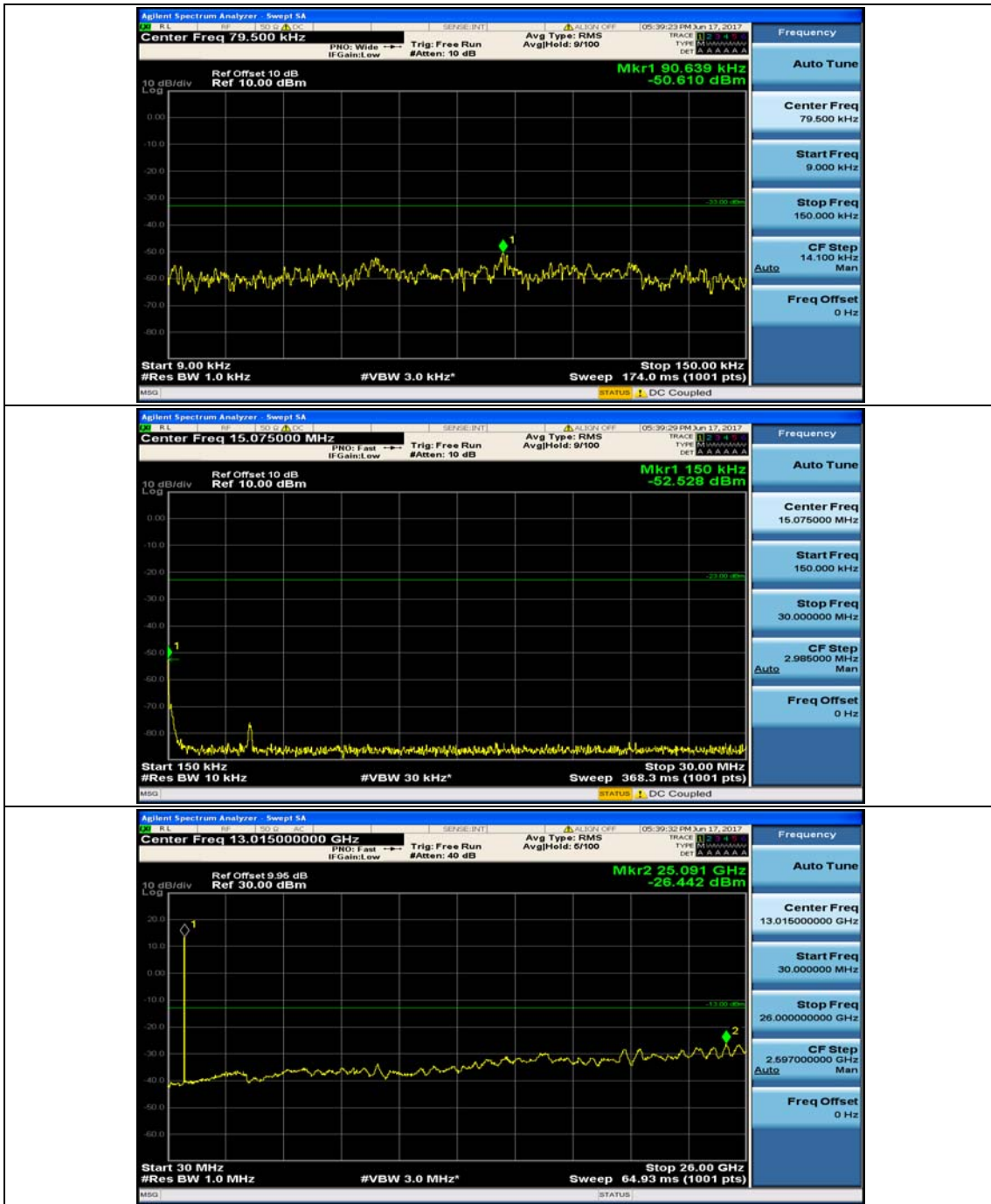


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

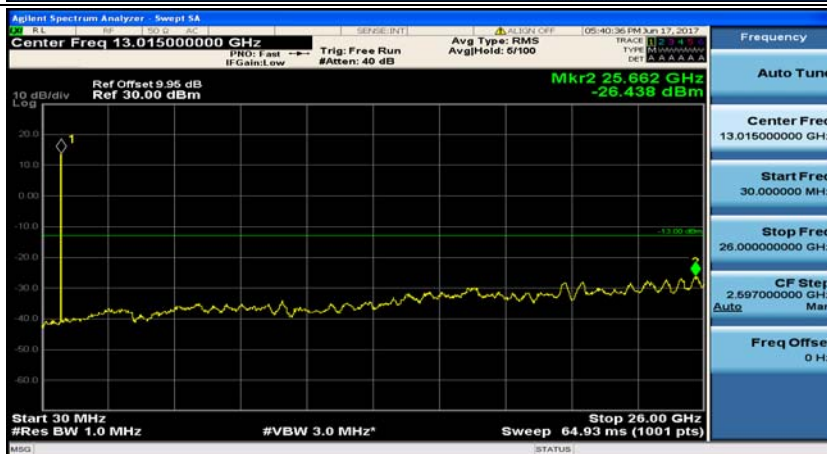


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

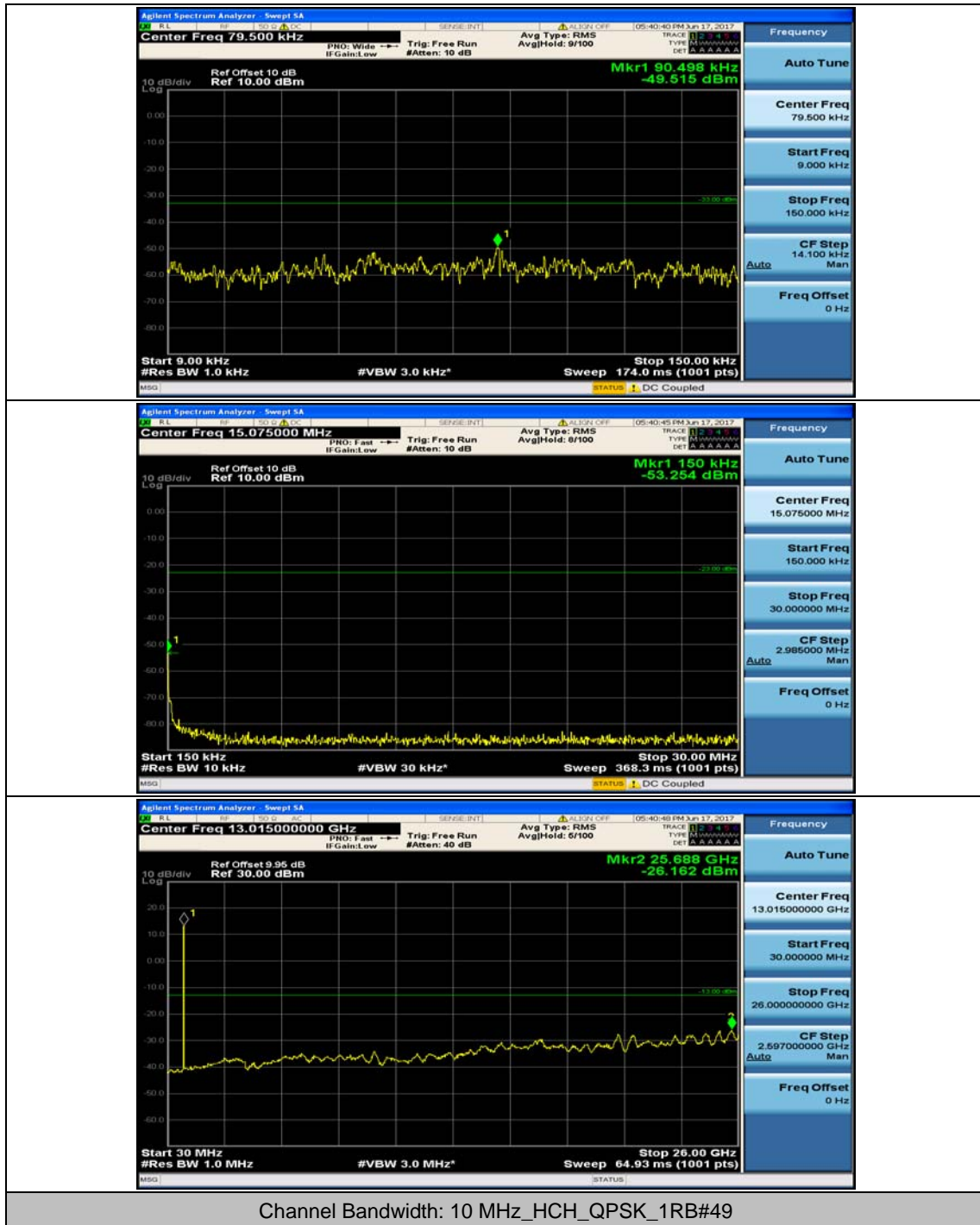


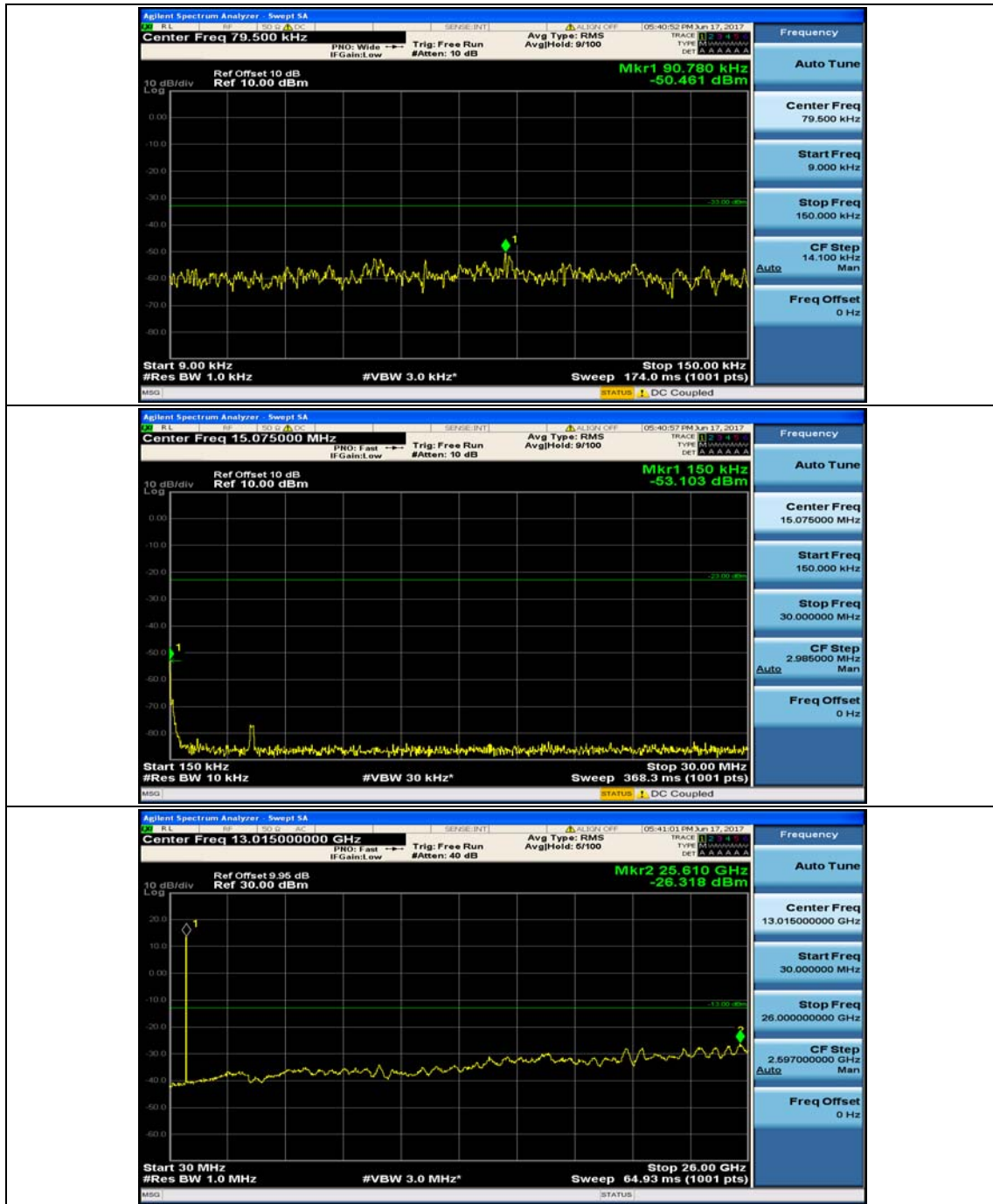


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

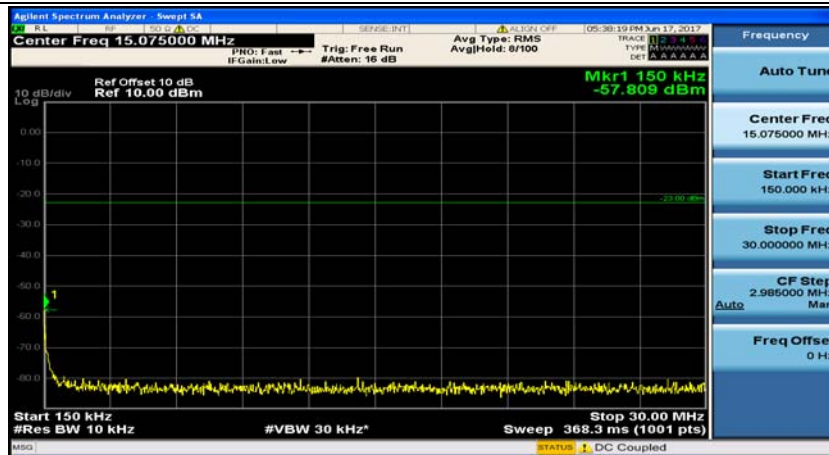
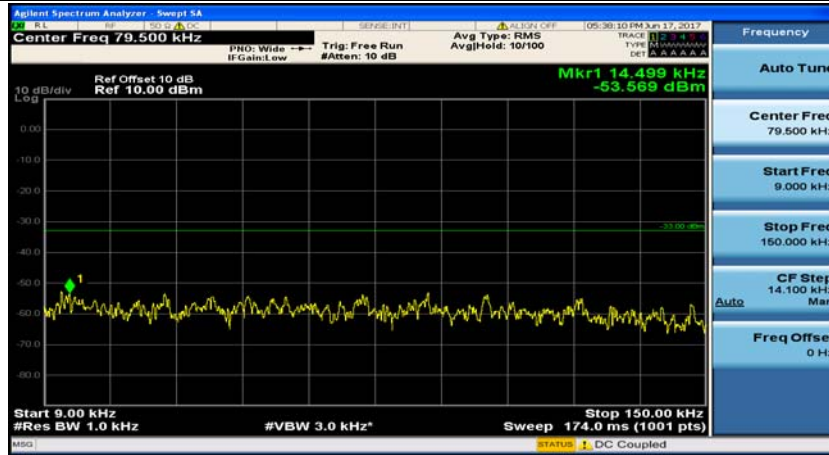


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

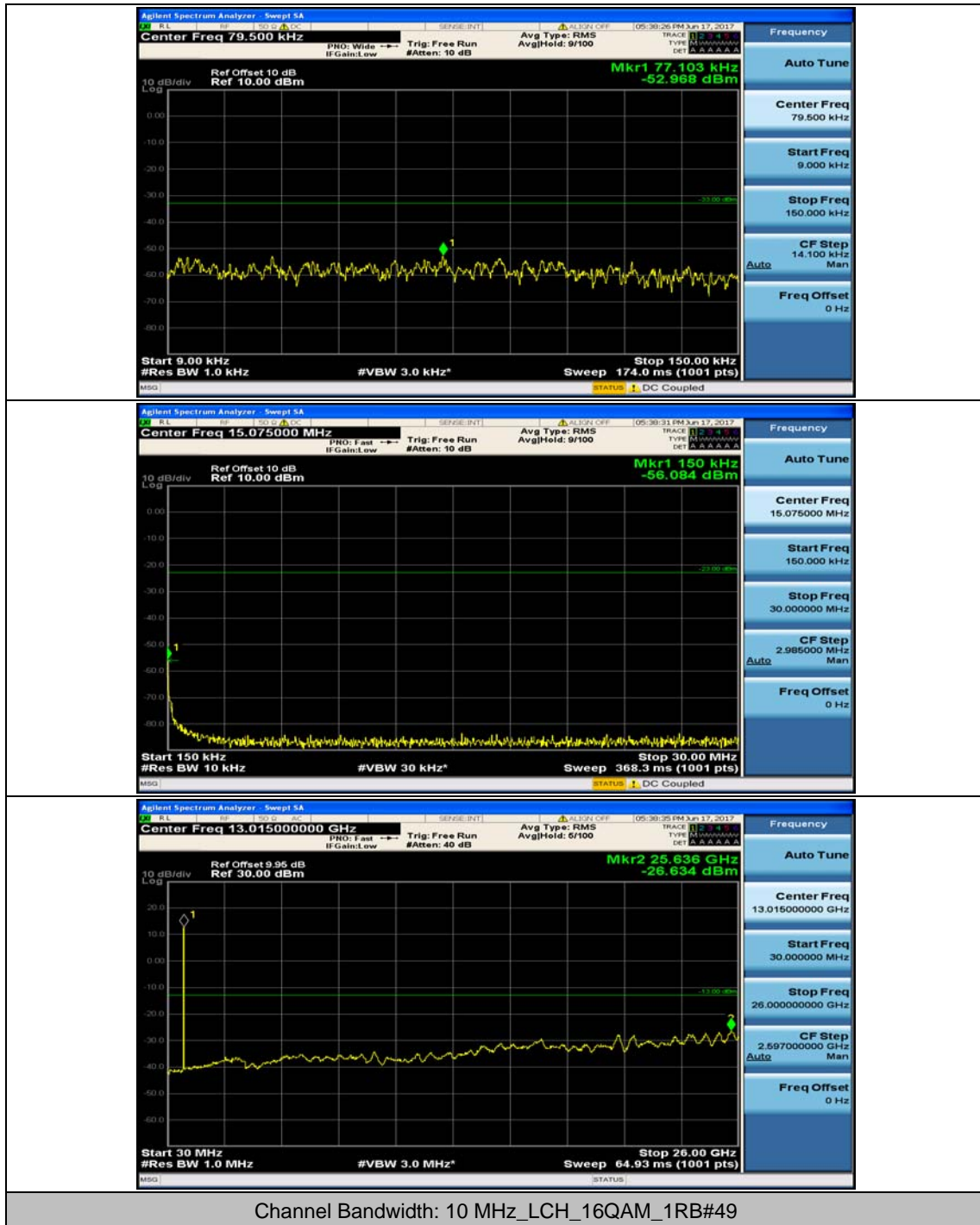


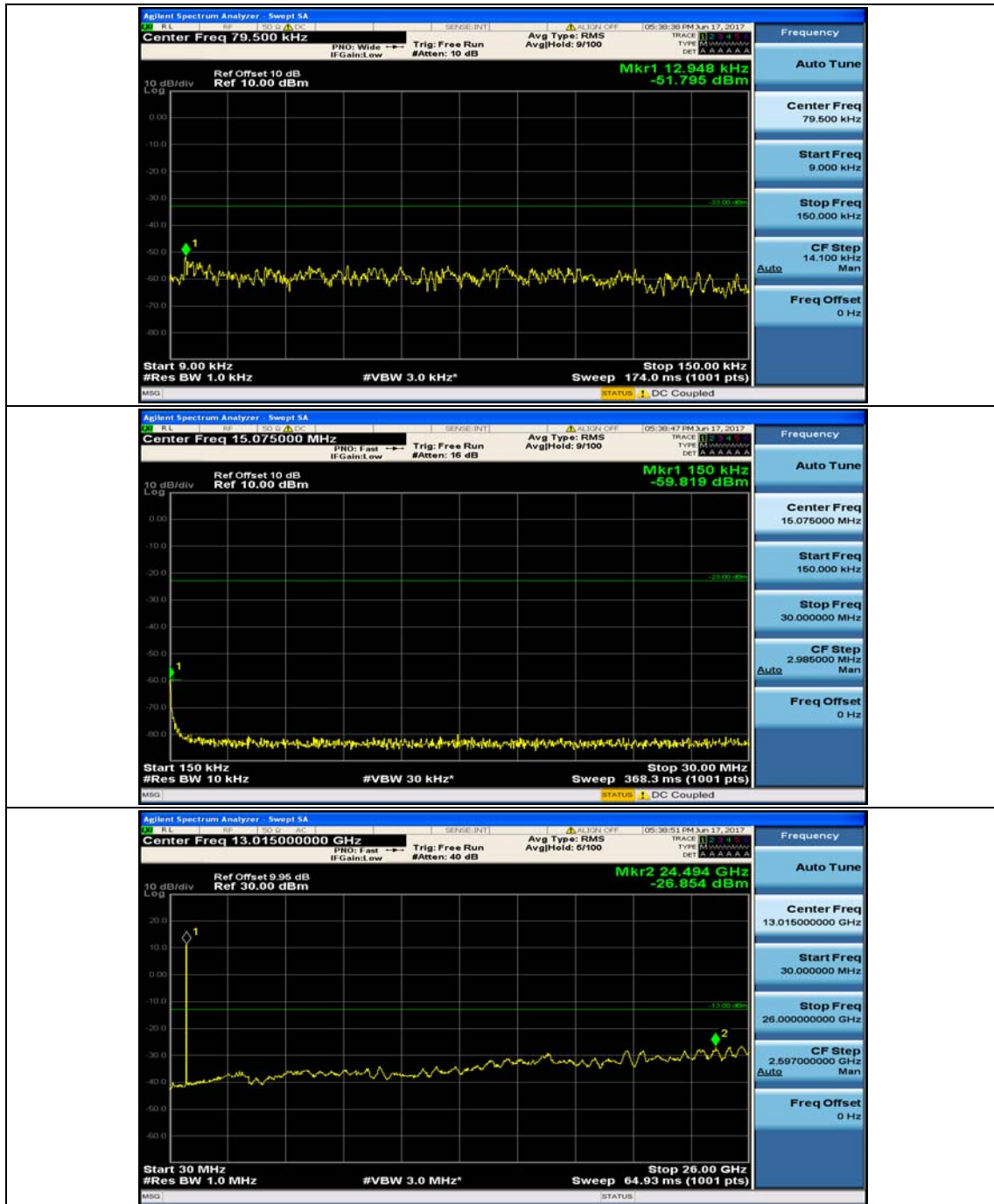


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

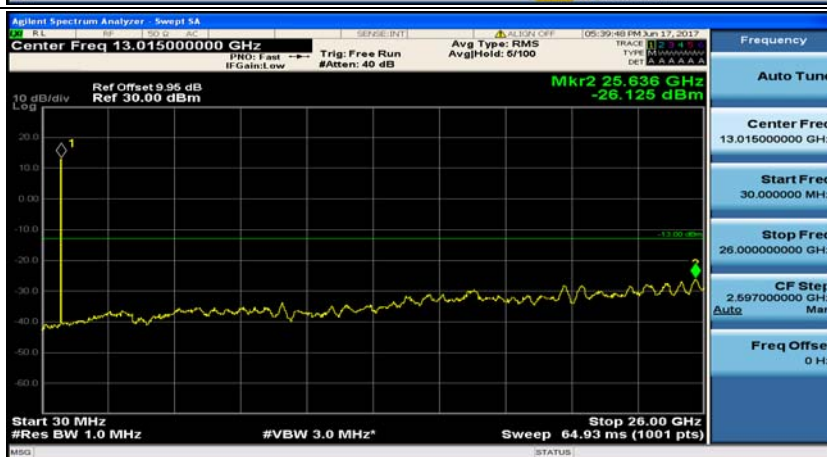
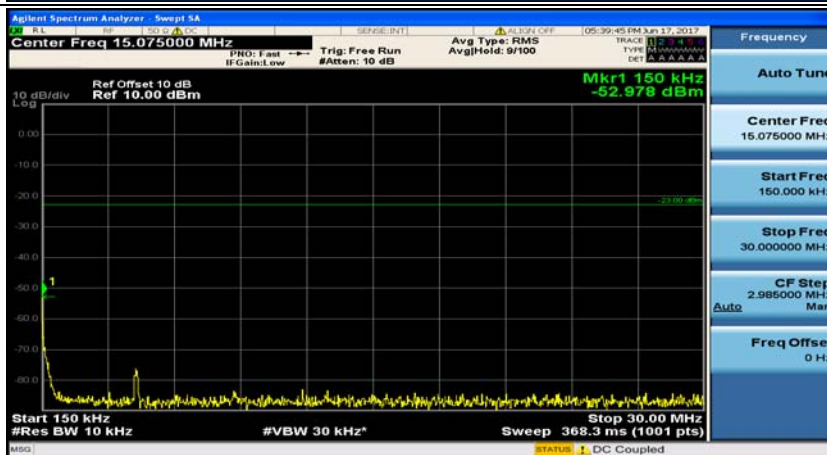
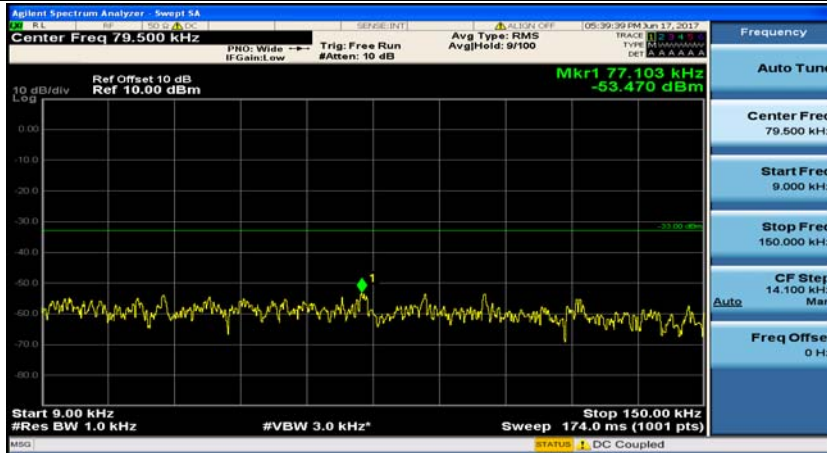


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

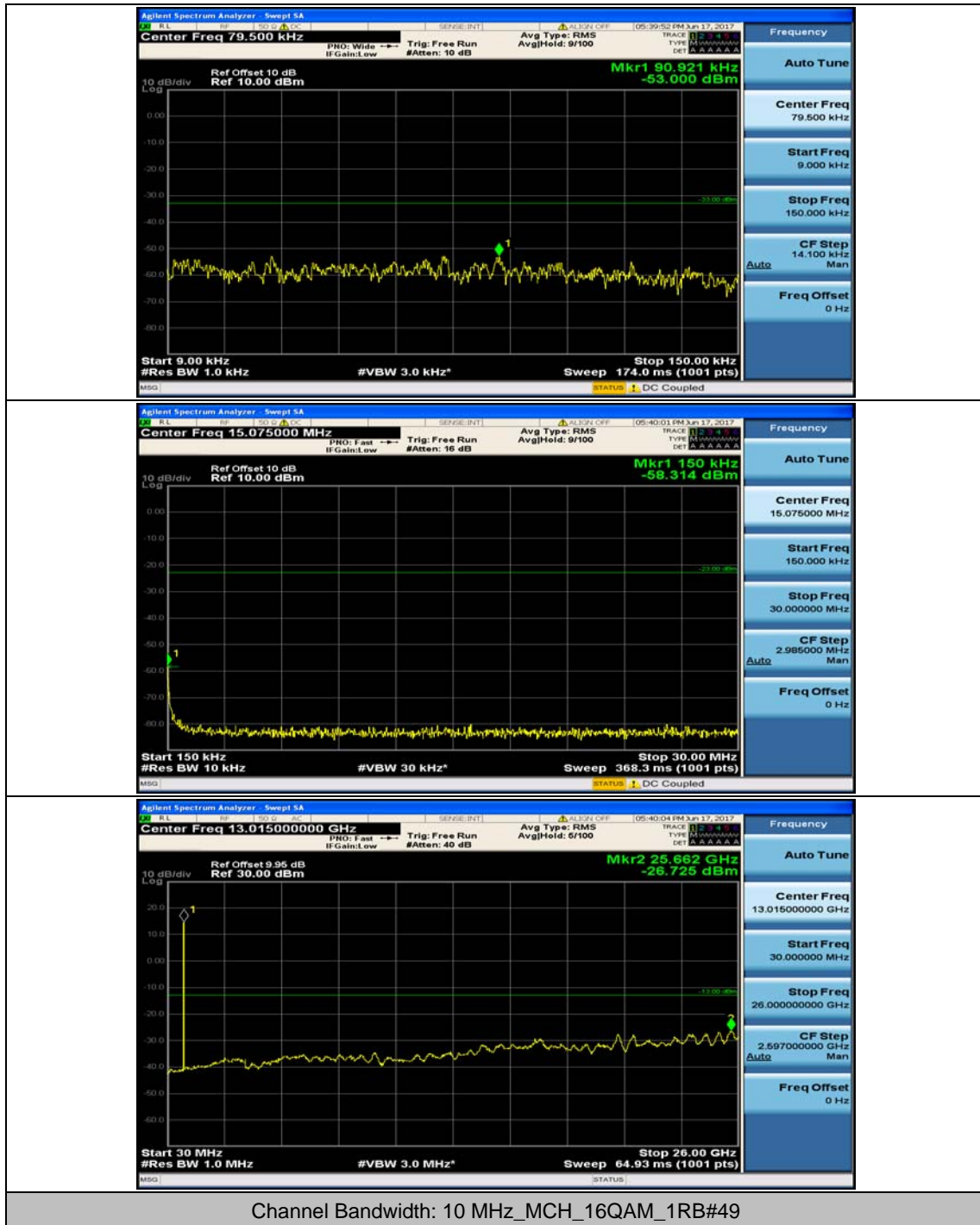


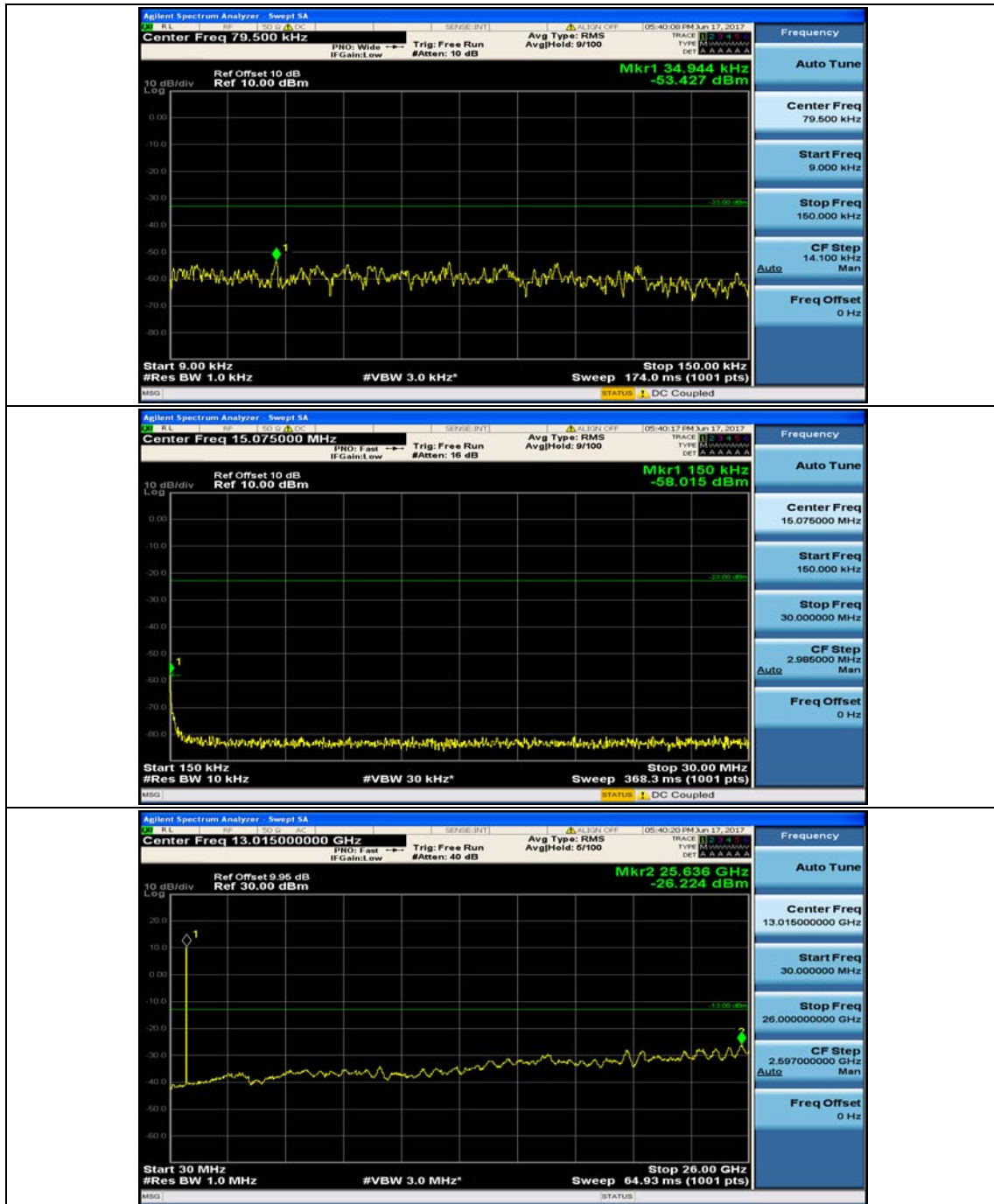


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

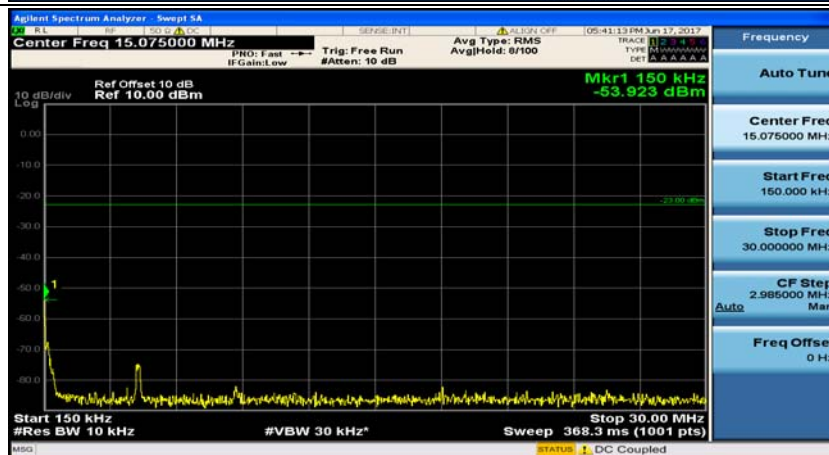
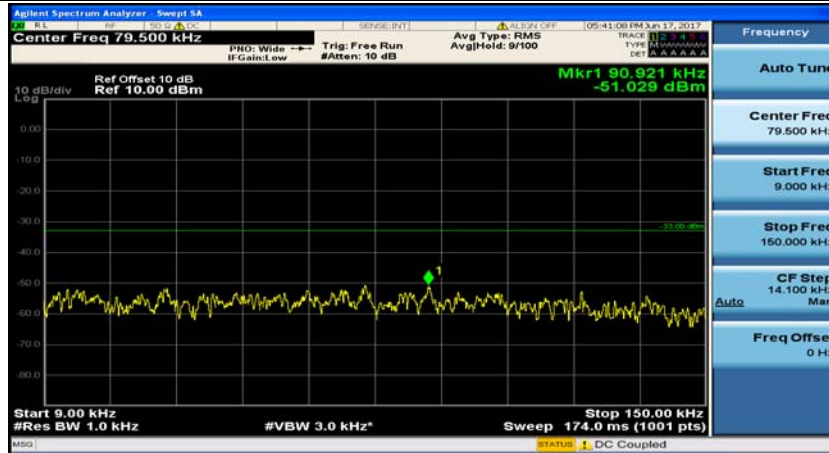


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

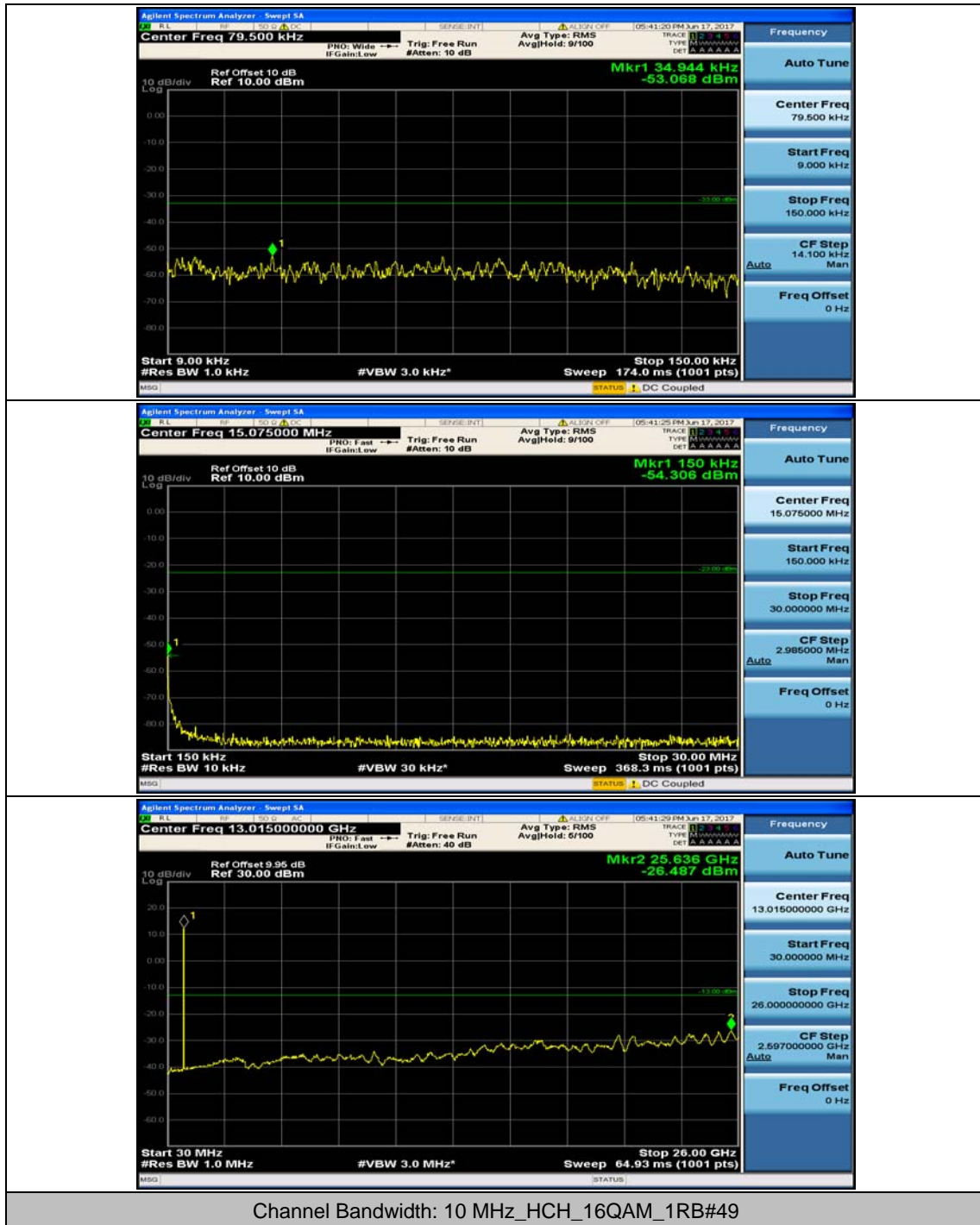


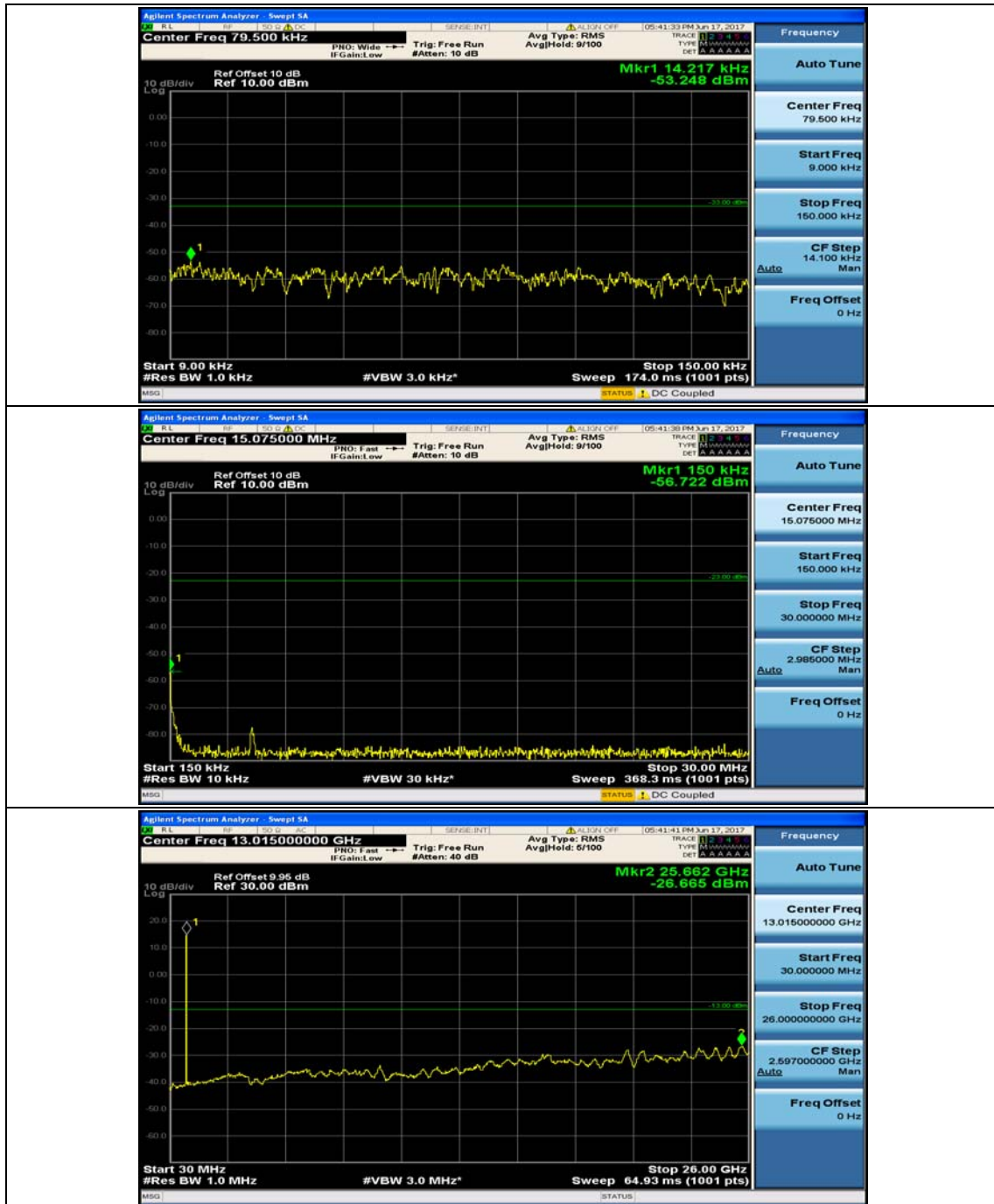


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





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	-1.77	-0.002271	± 2.5	PASS
		VN	TN	3.93	0.005042	± 2.5	PASS
		VH	TN	4.72	0.006055	± 2.5	PASS
	MCH	VL	TN	3.36	0.004297	± 2.5	PASS
		VN	TN	3.82	0.004885	± 2.5	PASS
		VH	TN	4.32	0.005524	± 2.5	PASS
	HCH	VL	TN	2.16	0.002753	± 2.5	PASS
		VN	TN	4.12	0.005252	± 2.5	PASS
		VH	TN	3.2	0.004079	± 2.5	PASS
16QAM	LCH	VL	TN	3.33	0.004272	± 2.5	PASS
		VN	TN	2.26	0.002899	± 2.5	PASS
		VH	TN	-1.4	-0.001796	± 2.5	PASS
	MCH	VL	TN	-1.28	-0.001637	± 2.5	PASS
		VN	TN	2.14	0.002737	± 2.5	PASS
		VH	TN	4.81	0.006151	± 2.5	PASS
	HCH	VL	TN	4.54	0.005787	± 2.5	PASS
		VN	TN	3.06	0.003901	± 2.5	PASS
		VH	TN	-1.61	-0.002052	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.65	0.005965	± 2.5	PASS
		VN	-20	-0.16	-0.000205	± 2.5	PASS
		VN	-10	4.7	0.006030	± 2.5	PASS
		VN	0	-1.54	-0.001976	± 2.5	PASS
		VN	10	0.12	0.000154	± 2.5	PASS
		VN	20	2.97	0.003810	± 2.5	PASS
		VN	30	0.39	0.000500	± 2.5	PASS
		VN	40	0.55	0.000706	± 2.5	PASS
		VN	50	4.8	0.006158	± 2.5	PASS
	MCH	VN	-30	-0.01	-0.000013	± 2.5	PASS
		VN	-20	2.76	0.003529	± 2.5	PASS

		VN	-10	3.46	0.004425	± 2.5	PASS		
		VN	0	3.93	0.005026	± 2.5	PASS		
		VN	10	-0.76	-0.000972	± 2.5	PASS		
		VN	20	-1.64	-0.002097	± 2.5	PASS		
		VN	30	-0.28	-0.000358	± 2.5	PASS		
		VN	40	3.94	0.005038	± 2.5	PASS		
		VN	50	4	0.005115	± 2.5	PASS		
	HCH	VN	-30	1.02	0.001300	± 2.5	PASS		
		VN	-20	0.69	0.000880	± 2.5	PASS		
		VN	-10	-1.71	-0.002180	± 2.5	PASS		
		VN	0	-0.33	-0.000421	± 2.5	PASS		
		VN	10	4.99	0.006361	± 2.5	PASS		
		VN	20	4.97	0.006335	± 2.5	PASS		
		VN	30	-0.56	-0.000714	± 2.5	PASS		
		VN	40	4.05	0.005163	± 2.5	PASS		
		VN	50	-0.11	-0.000140	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.2	0.001539	± 2.5	PASS
				VN	-20	2.87	0.003682	± 2.5	PASS
VN	-10			2.06	0.002643	± 2.5	PASS		
VN	0			4.92	0.006312	± 2.5	PASS		
VN	10			3.65	0.004682	± 2.5	PASS		
VN	20			1.75	0.002245	± 2.5	PASS		
VN	30			3.3	0.004233	± 2.5	PASS		
VN	40			0.37	0.000475	± 2.5	PASS		
VN	50			3.59	0.004606	± 2.5	PASS		
MCH	VN		-30	2.48	0.003161	± 2.5	PASS		
	VN		-20	-1.68	-0.002141	± 2.5	PASS		
	VN		-10	1.21	0.001542	± 2.5	PASS		
	VN		0	4.39	0.005596	± 2.5	PASS		
	VN		10	-0.2	-0.000255	± 2.5	PASS		
	VN		20	1.55	0.001976	± 2.5	PASS		
	VN		30	-1.06	-0.001351	± 2.5	PASS		
	VN		40	4.8	0.006119	± 2.5	PASS		
	VN		50	1.68	0.002141	± 2.5	PASS		
HCH	VN		-30	2.95	0.003760	± 2.5	PASS		
	VN		-20	3.84	0.004895	± 2.5	PASS		
	VN		-10	1.09	0.001389	± 2.5	PASS		
	VN		0	3.78	0.004818	± 2.5	PASS		
	VN		10	3.06	0.003901	± 2.5	PASS		
	VN		20	2.1	0.002677	± 2.5	PASS		
	VN		30	-0.02	-0.000025	± 2.5	PASS		

		VN	40	-0.7	-0.000892	± 2.5	PASS
		VN	50	4.96	0.006322	± 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	LCH	VL	TN	-1.28	-0.001637	± 2.5	PASS
		VN	TN	-0.85	-0.001087	± 2.5	PASS
		VH	TN	0.03	0.000038	± 2.5	PASS
	MCH	VL	TN	0.44	0.000563	± 2.5	PASS
		VN	TN	-1.14	-0.001458	± 2.5	PASS
		VH	TN	0.71	0.000908	± 2.5	PASS
	HCH	VL	TN	3.44	0.004399	± 2.5	PASS
		VN	TN	3.63	0.004642	± 2.5	PASS
		VH	TN	2.18	0.002788	± 2.5	PASS
16QAM	LCH	VL	TN	2.54	0.003248	± 2.5	PASS
		VN	TN	-0.55	-0.000703	± 2.5	PASS
		VH	TN	1.58	0.002020	± 2.5	PASS
	MCH	VL	TN	4.9	0.006266	± 2.5	PASS
		VN	TN	-0.12	-0.000153	± 2.5	PASS
		VH	TN	-0.4	-0.000512	± 2.5	PASS
	HCH	VL	TN	4.99	0.006381	± 2.5	PASS
		VN	TN	2.3	0.002941	± 2.5	PASS
		VH	TN	4.06	0.005192	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.53	0.003235	± 2.5	PASS
		VN	-20	0.66	0.000844	± 2.5	PASS
		VN	-10	1.84	0.002353	± 2.5	PASS
		VN	0	-0.89	-0.001138	± 2.5	PASS
		VN	10	1.9	0.002430	± 2.5	PASS
		VN	20	0	0.000000	± 2.5	PASS
		VN	30	3.97	0.005077	± 2.5	PASS
		VN	40	-1.28	-0.001637	± 2.5	PASS
		VN	50	-1.39	-0.001777	± 2.5	PASS
	MCH	VN	-30	3.38	0.004322	± 2.5	PASS
		VN	-20	1.73	0.002212	± 2.5	PASS
		VN	-10	-1.77	-0.002263	± 2.5	PASS

		VN	0	3.21	0.004105	± 2.5	PASS		
		VN	10	-0.8	-0.001023	± 2.5	PASS		
		VN	20	4.29	0.005486	± 2.5	PASS		
		VN	30	2.63	0.003363	± 2.5	PASS		
		VN	40	1.58	0.002020	± 2.5	PASS		
		VN	50	2.7	0.003453	± 2.5	PASS		
	HCH	VN	-30	1.41	0.001803	± 2.5	PASS		
		VN	-20	-0.17	-0.000217	± 2.5	PASS		
		VN	-10	0.71	0.000908	± 2.5	PASS		
		VN	0	2.01	0.002570	± 2.5	PASS		
		VN	10	-0.69	-0.000882	± 2.5	PASS		
		VN	20	1.74	0.002225	± 2.5	PASS		
		VN	30	4.4	0.005627	± 2.5	PASS		
		VN	40	3.35	0.004284	± 2.5	PASS		
		VN	50	-0.07	-0.000090	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.69	-0.002161	± 2.5	PASS
				VN	-20	2.03	0.002596	± 2.5	PASS
				VN	-10	3.71	0.004744	± 2.5	PASS
VN	0			0.43	0.000550	± 2.5	PASS		
VN	10			1.31	0.001675	± 2.5	PASS		
VN	20			3.87	0.004949	± 2.5	PASS		
VN	30			0.97	0.001240	± 2.5	PASS		
VN	40			-1.35	-0.001726	± 2.5	PASS		
VN	50			4.58	0.005857	± 2.5	PASS		
MCH	VN		-30	1.23	0.001573	± 2.5	PASS		
	VN		-20	1.03	0.001317	± 2.5	PASS		
	VN		-10	1.09	0.001394	± 2.5	PASS		
	VN		0	0.74	0.000946	± 2.5	PASS		
	VN		10	-1	-0.001279	± 2.5	PASS		
	VN		20	2.76	0.003529	± 2.5	PASS		
	VN		30	2.81	0.003593	± 2.5	PASS		
	VN		40	3.05	0.003900	± 2.5	PASS		
	VN		50	2.05	0.002621	± 2.5	PASS		
HCH	VN		-30	-0.16	-0.000205	± 2.5	PASS		
	VN		-20	4.28	0.005473	± 2.5	PASS		
	VN		-10	-0.31	-0.000396	± 2.5	PASS		
	VN		0	0.89	0.001138	± 2.5	PASS		
	VN		10	2.39	0.003056	± 2.5	PASS		
	VN		20	-0.46	-0.000588	± 2.5	PASS		
	VN		30	1.15	0.001471	± 2.5	PASS		
	VN		40	-0.78	-0.000997	± 2.5	PASS		

		VN	50	-1.07	-0.001368	± 2.5	PASS
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