



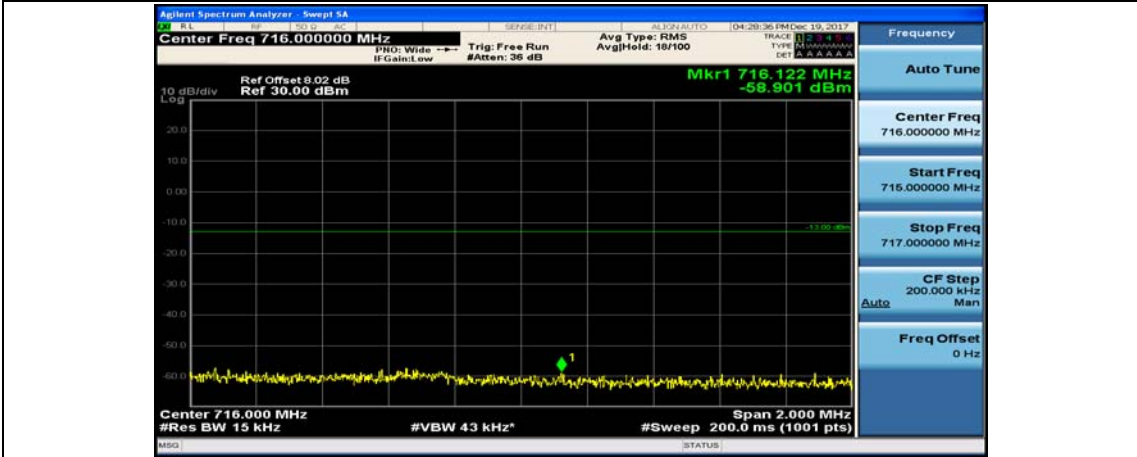
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Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



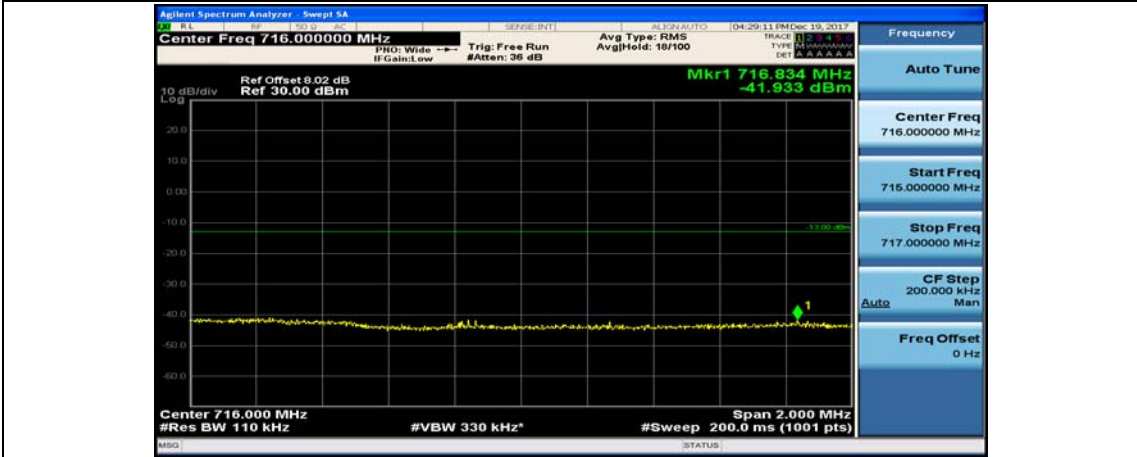
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Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



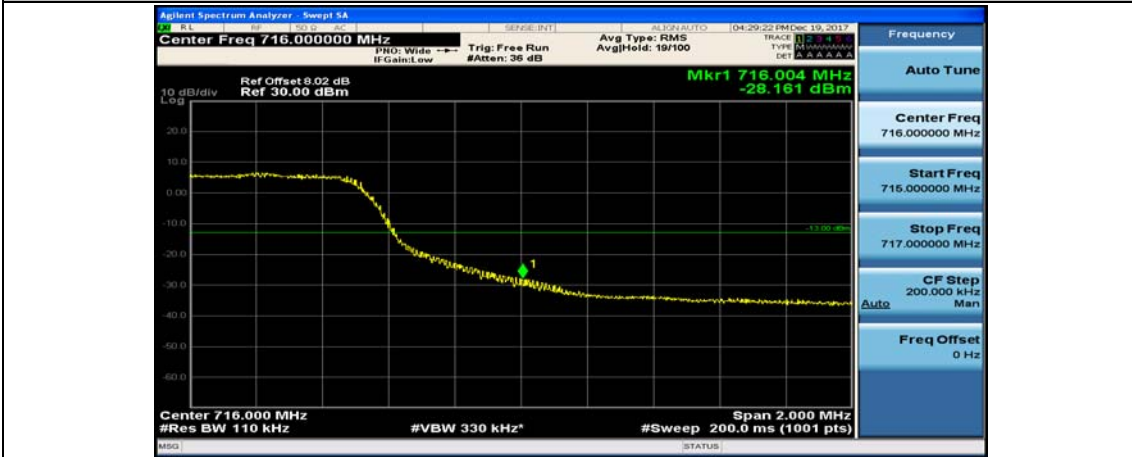
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



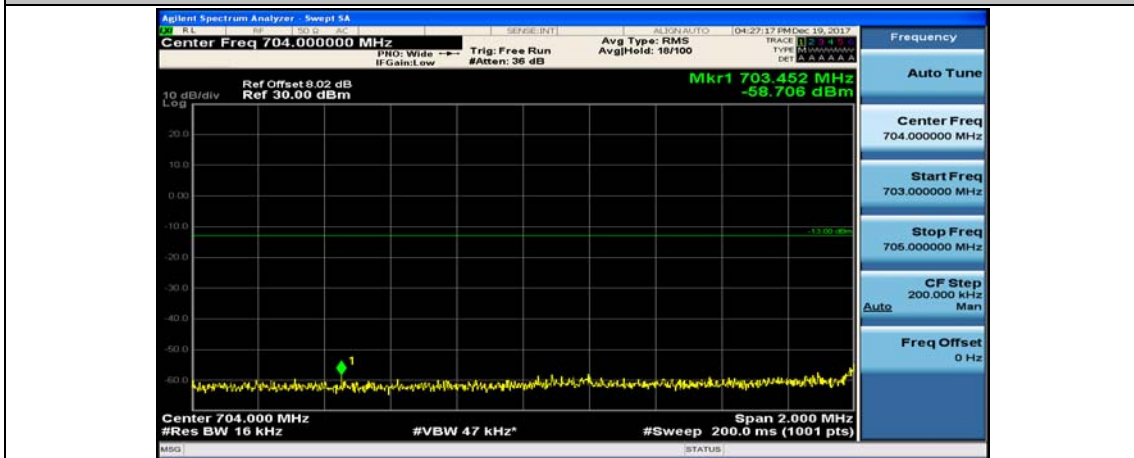
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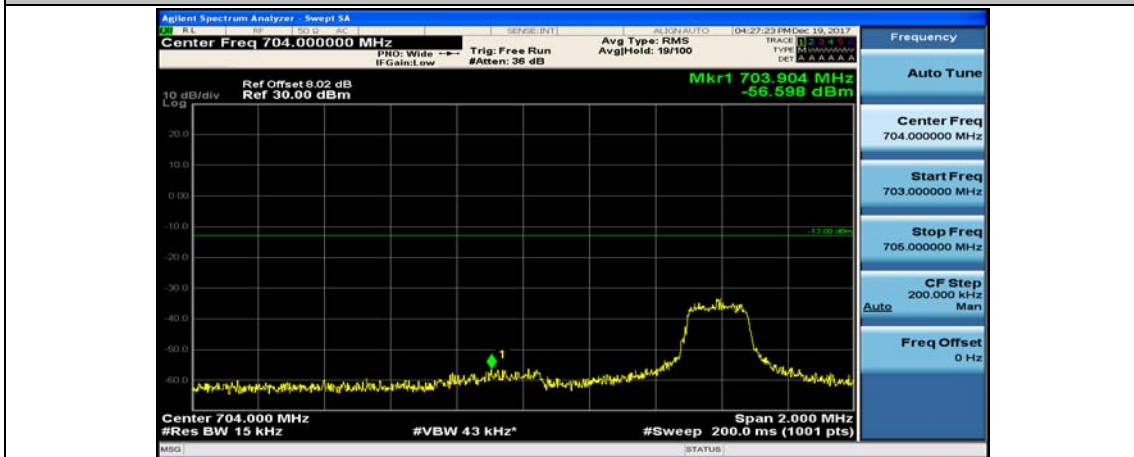
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Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



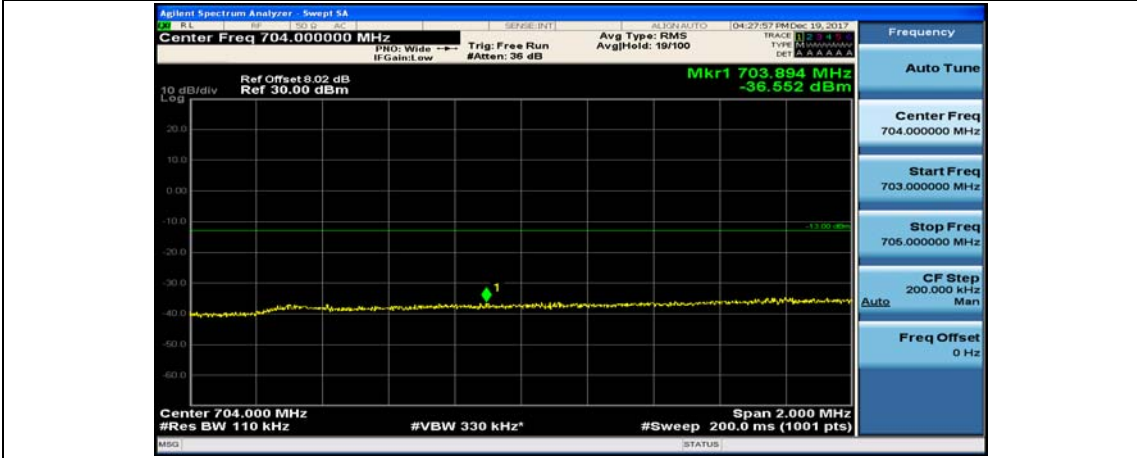
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



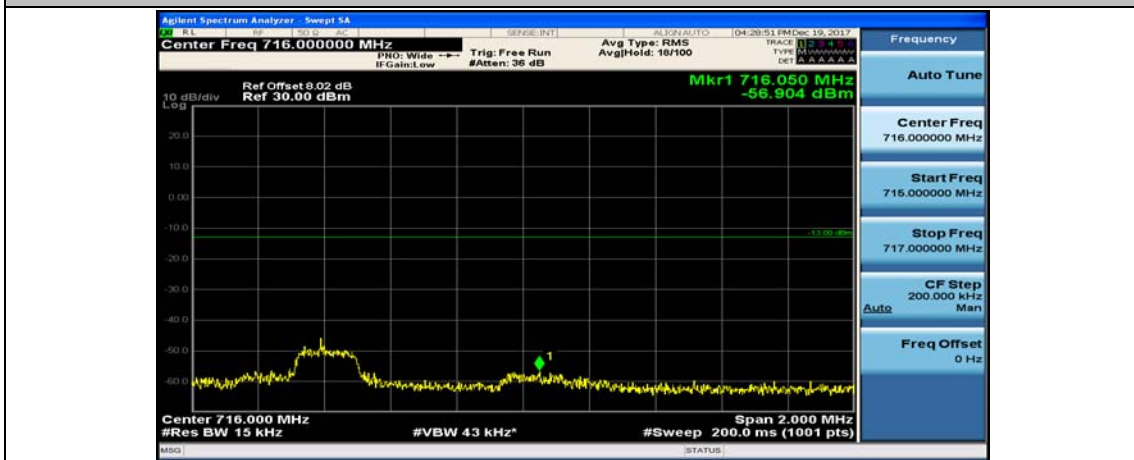
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



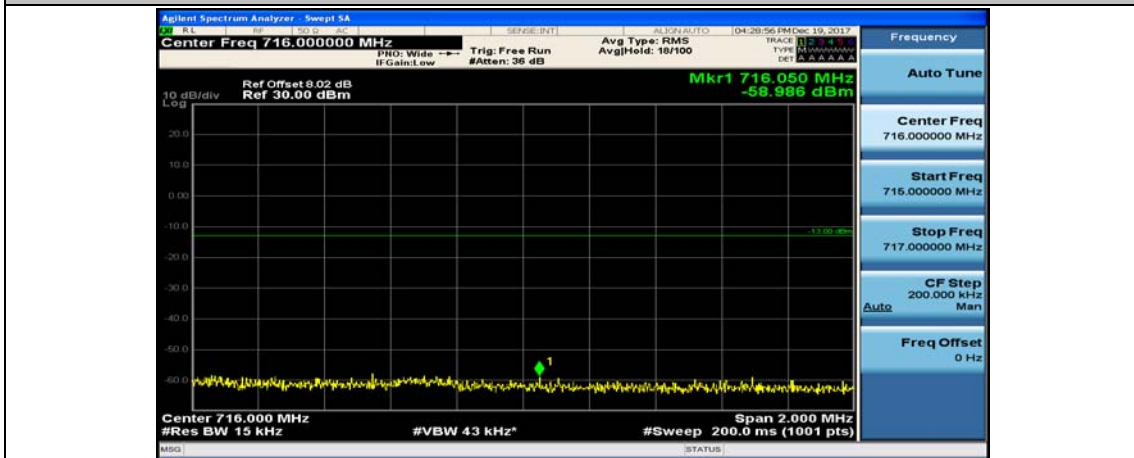
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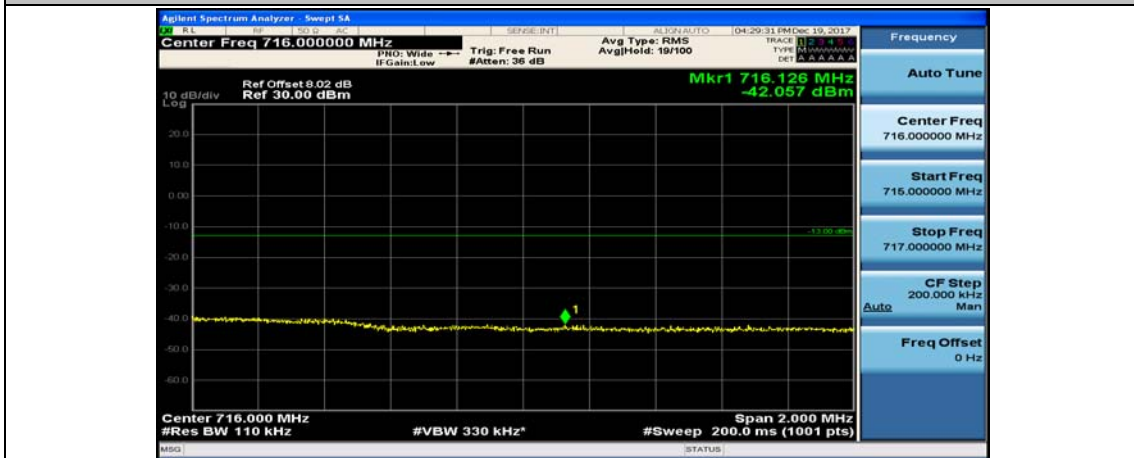
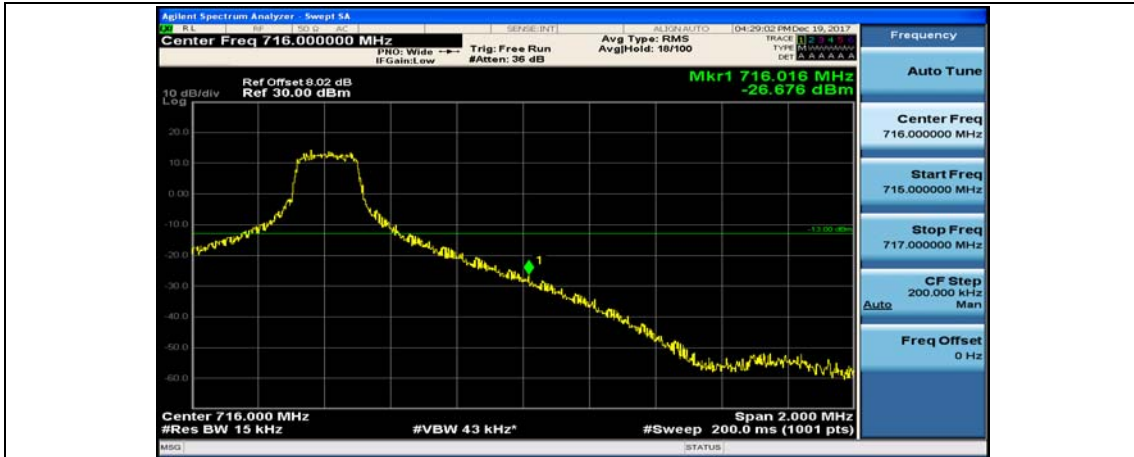
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

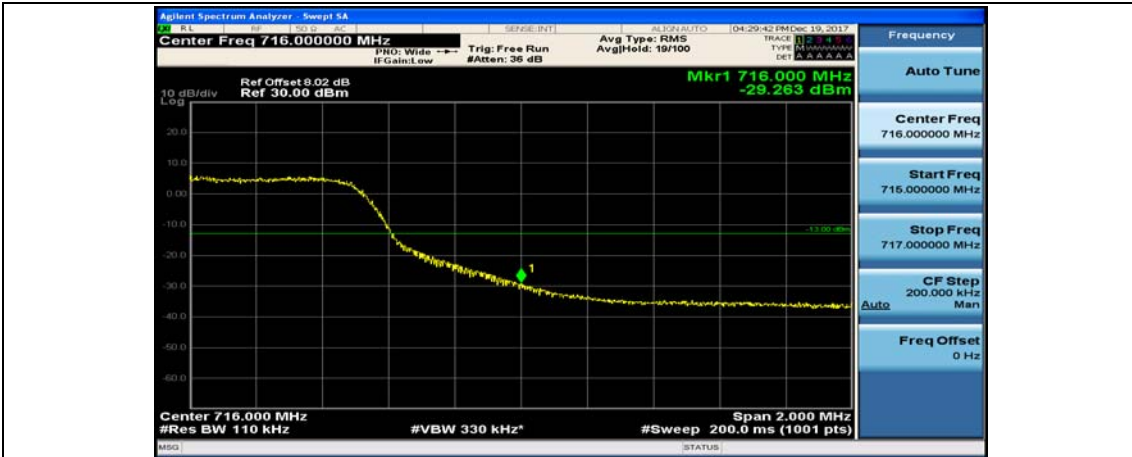


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

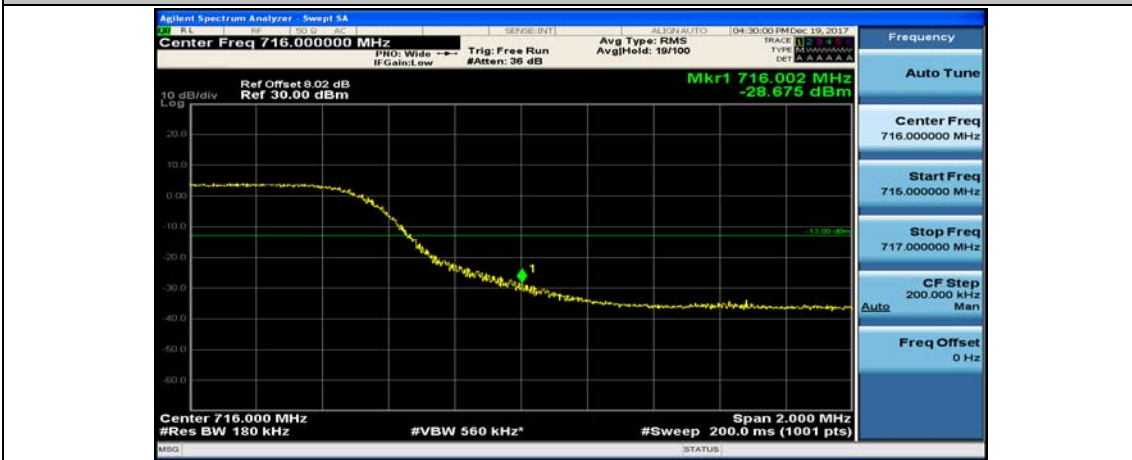


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49





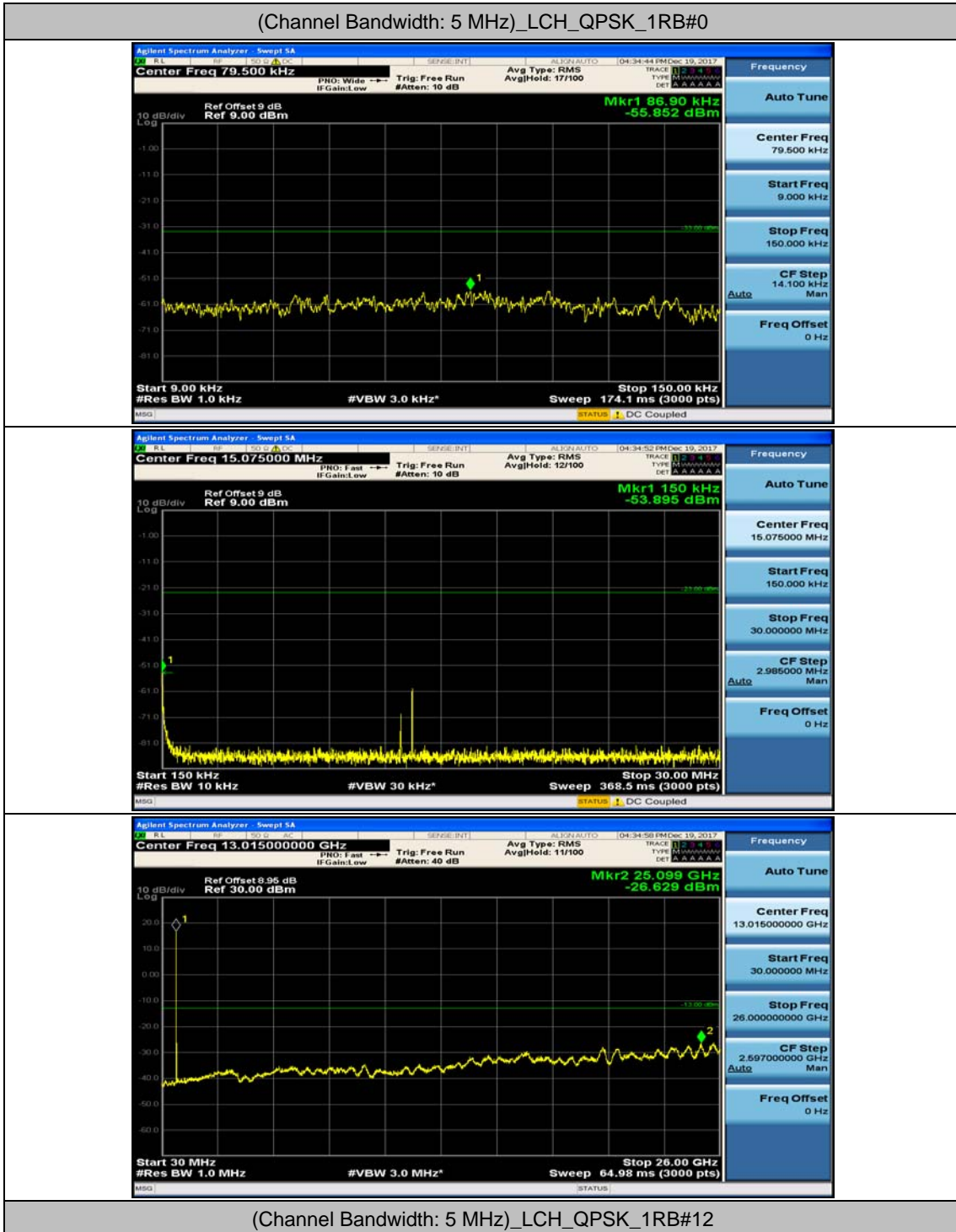
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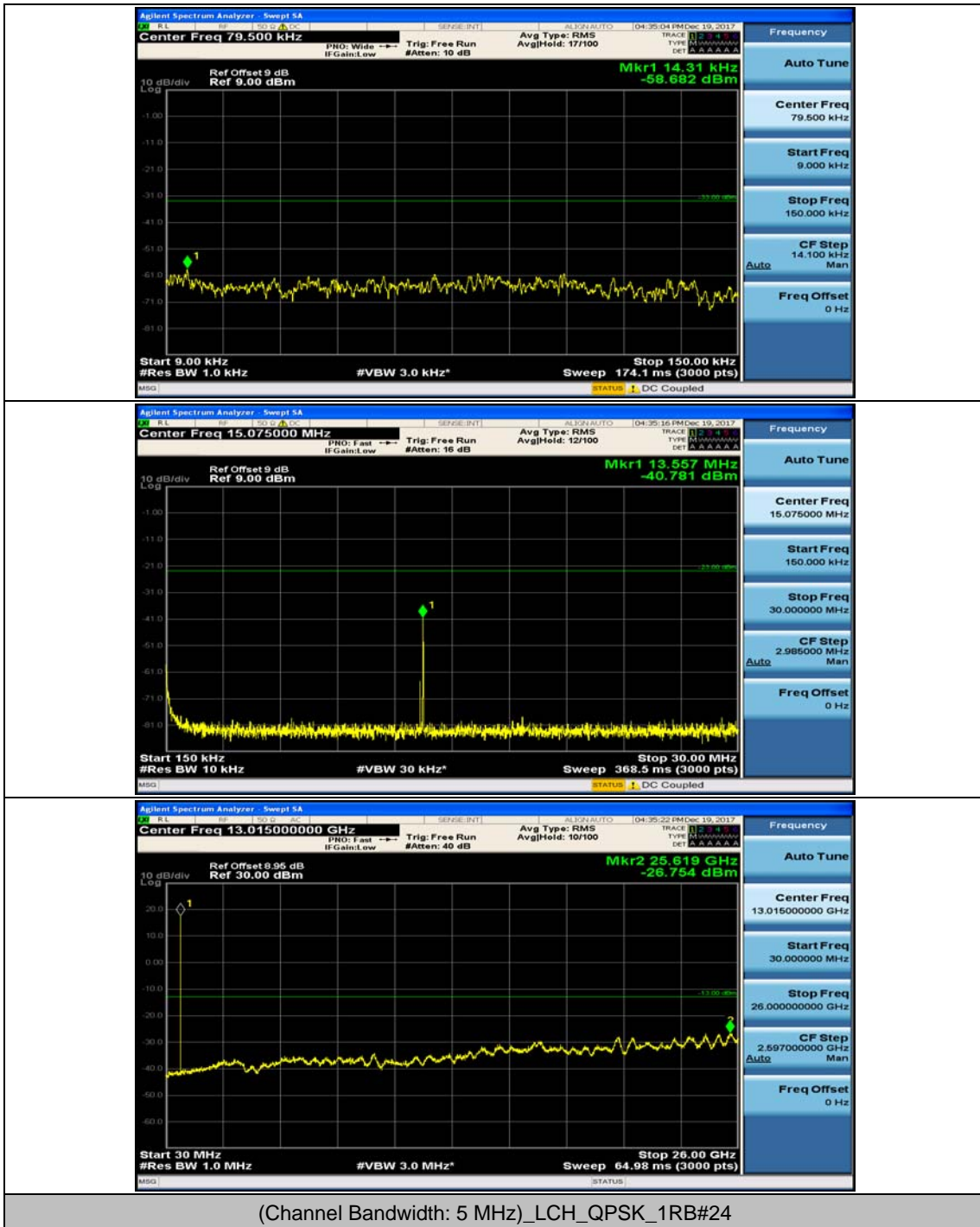


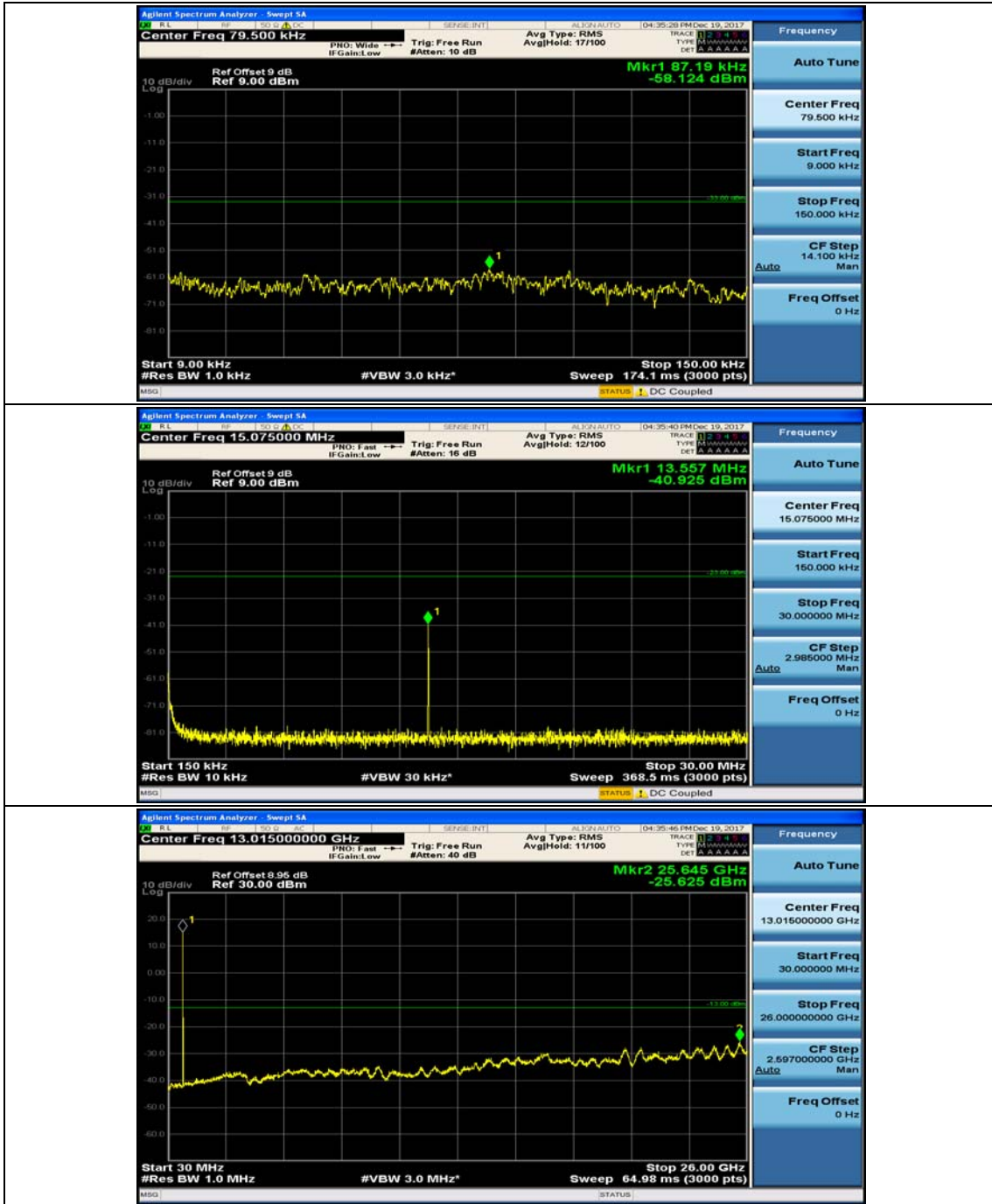
Appendix E: Conducted Spurious Emission

Test Graphs

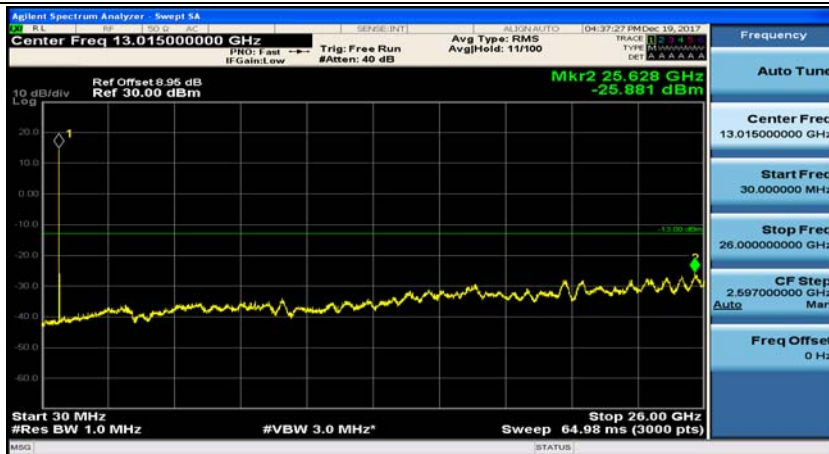
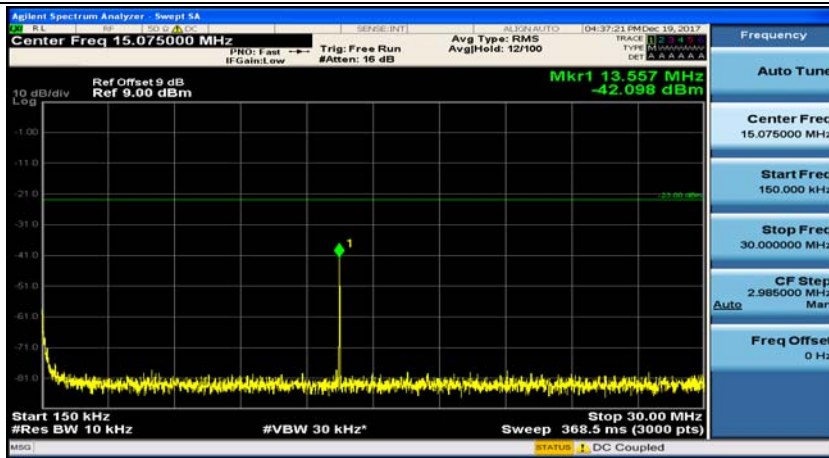
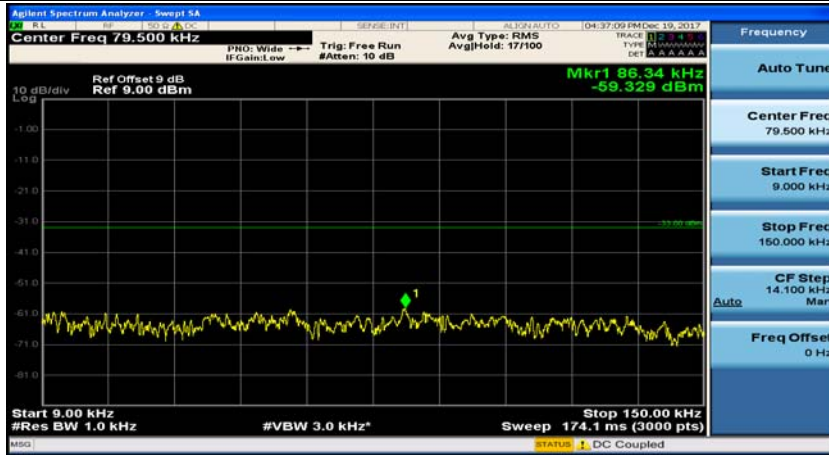
Channel Bandwidth: 5 MHz



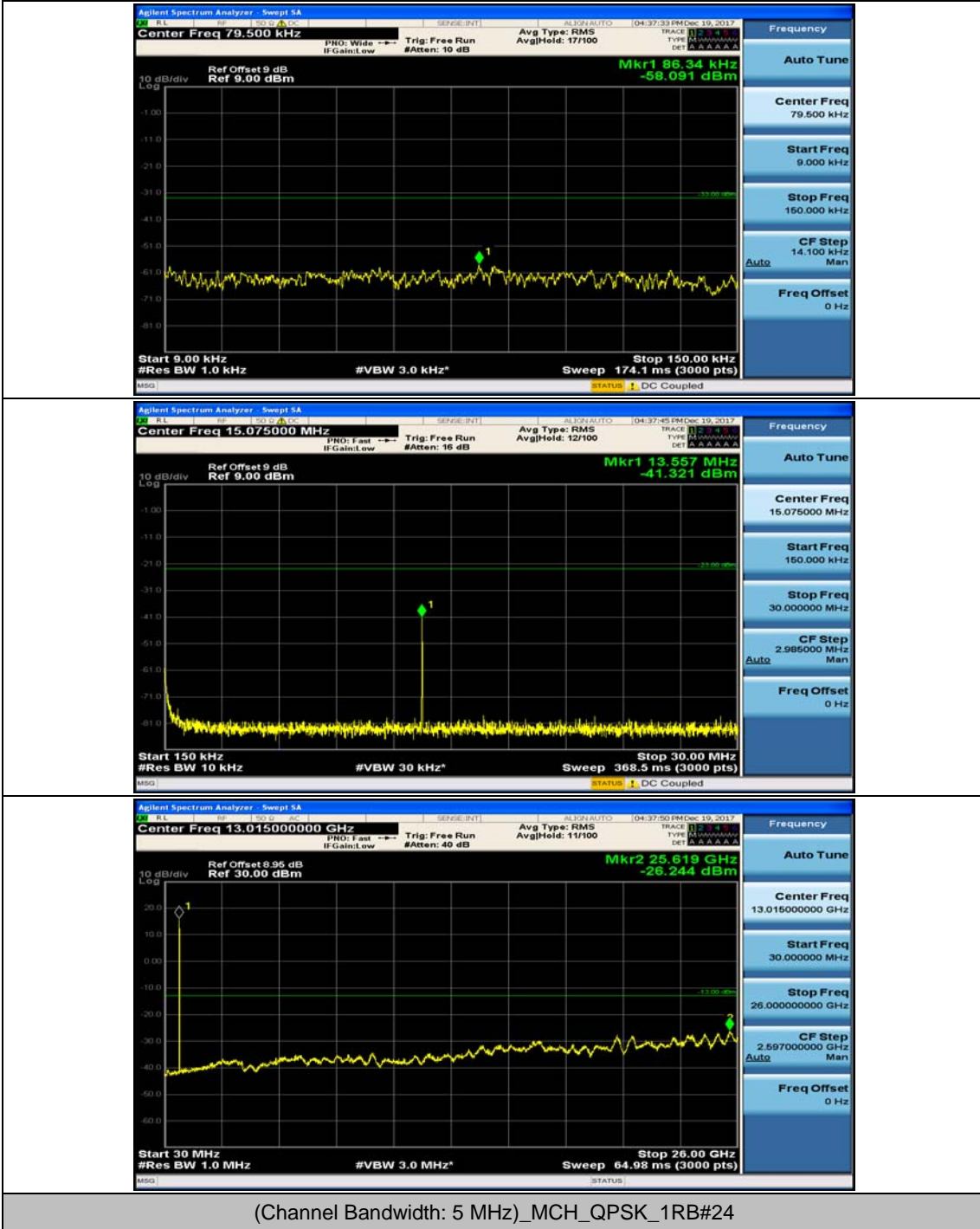


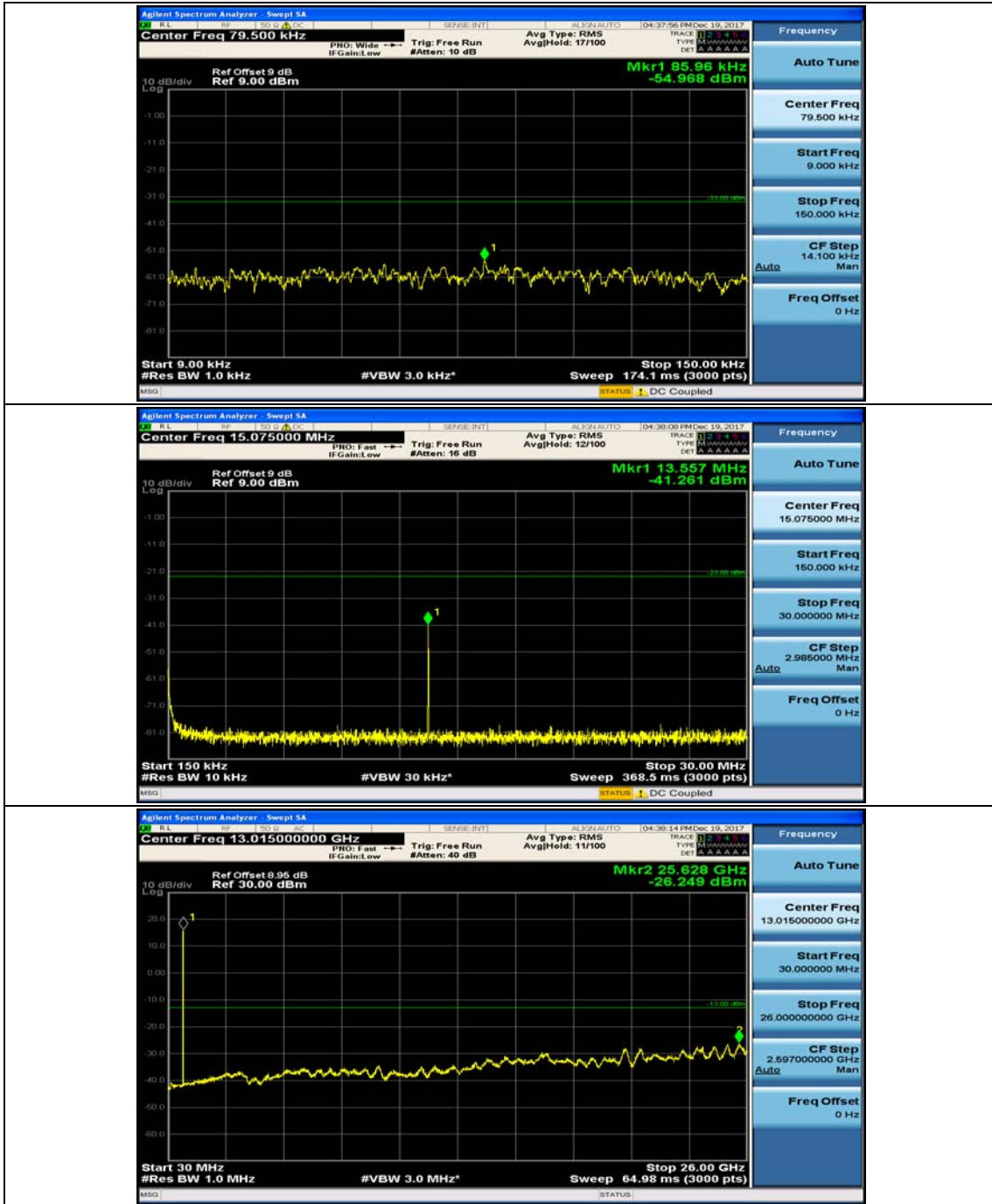


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

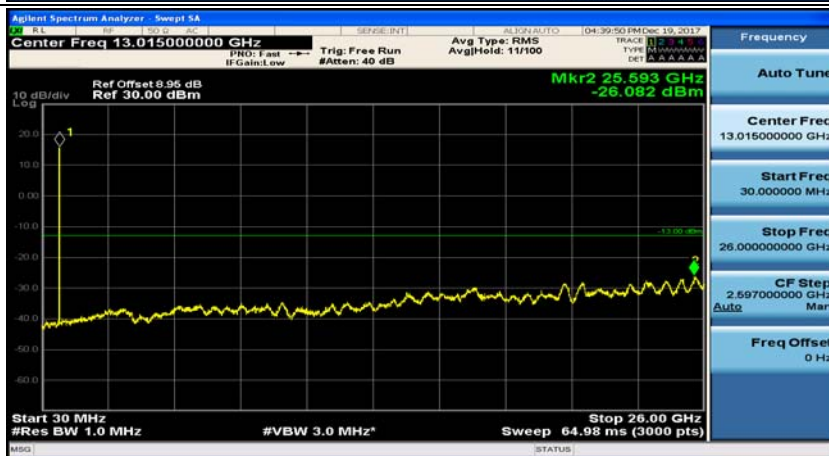
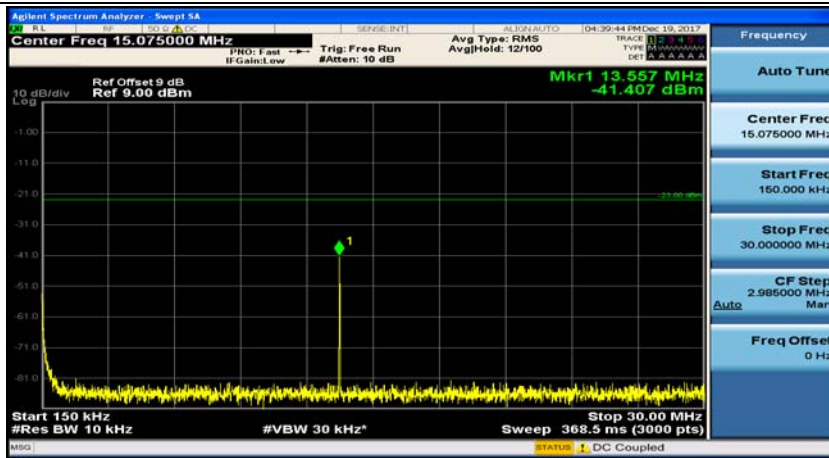
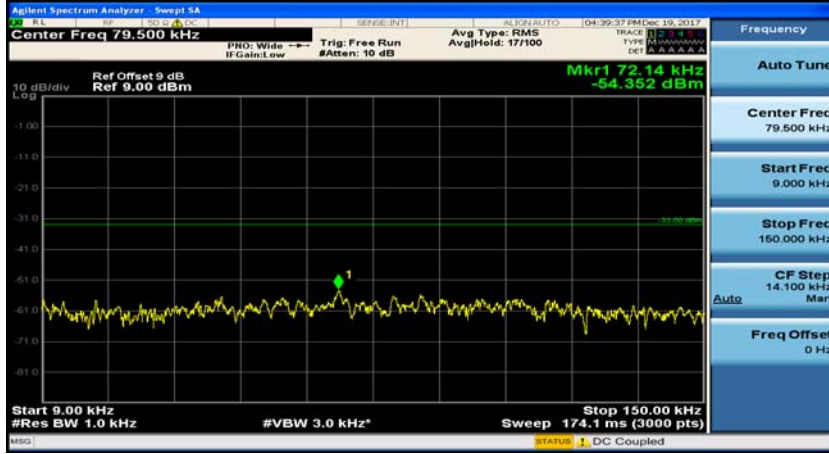


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

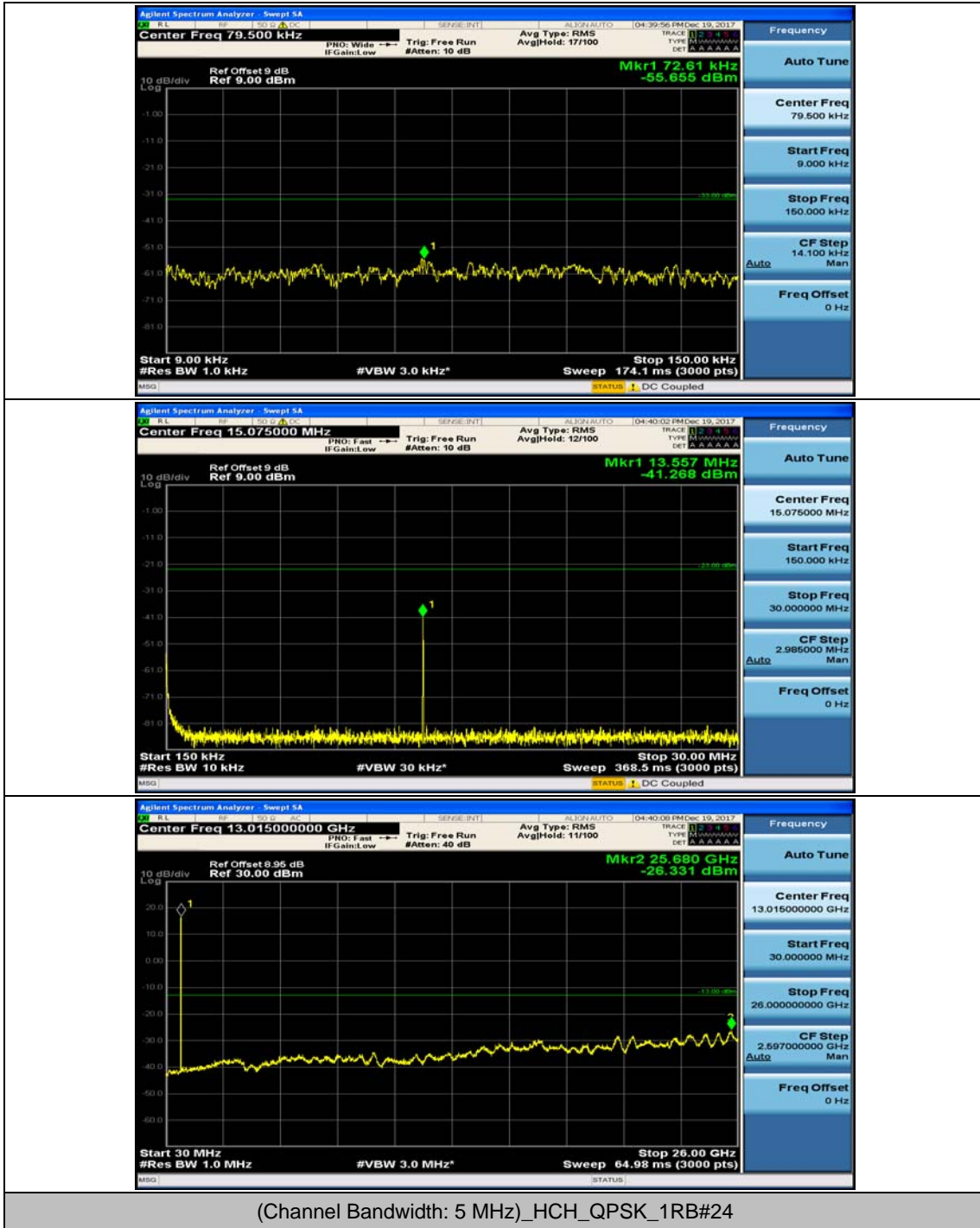


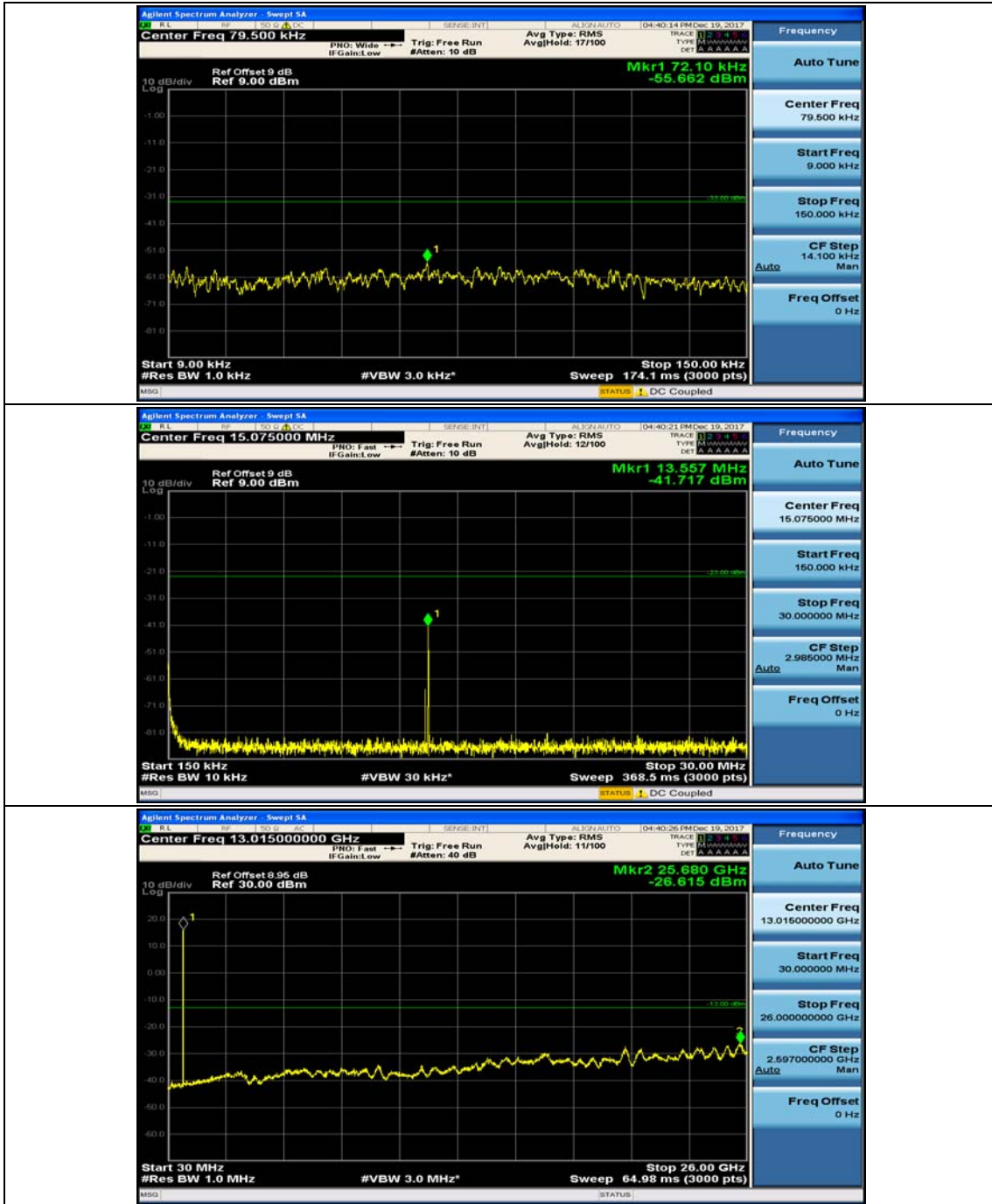


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

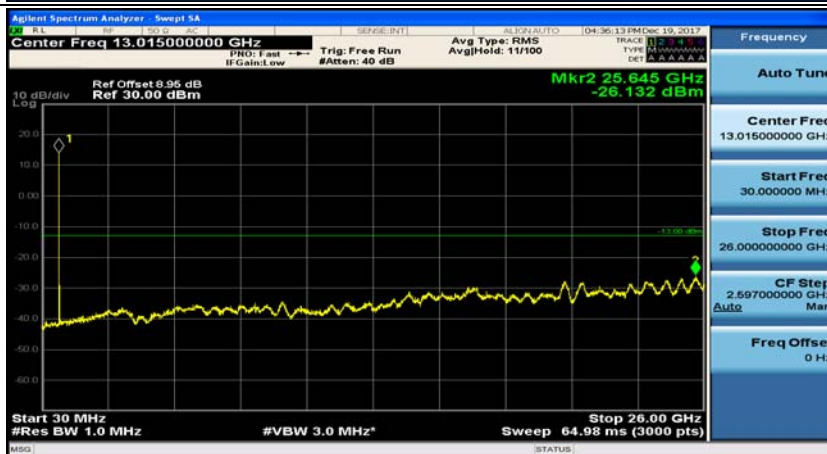
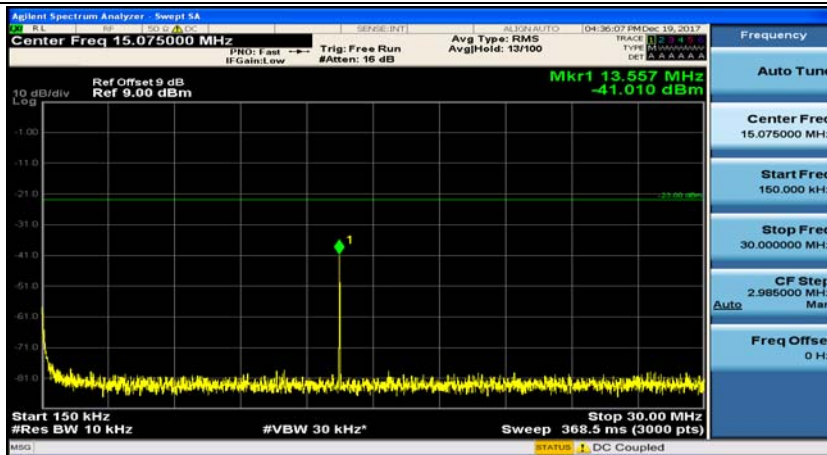
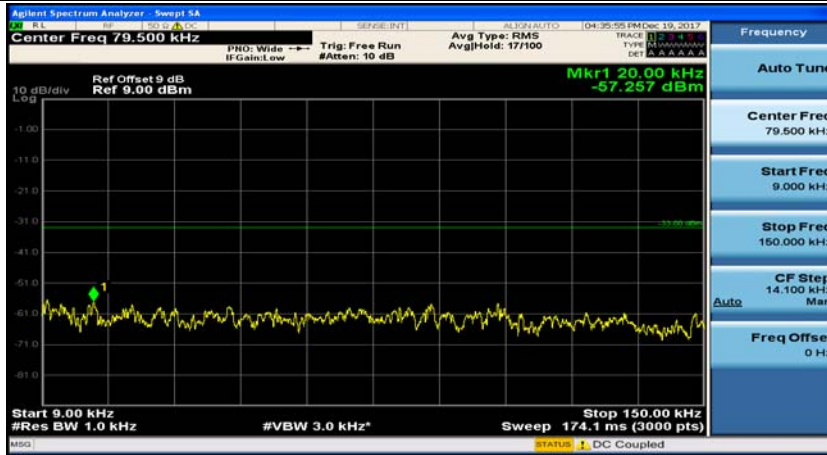


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

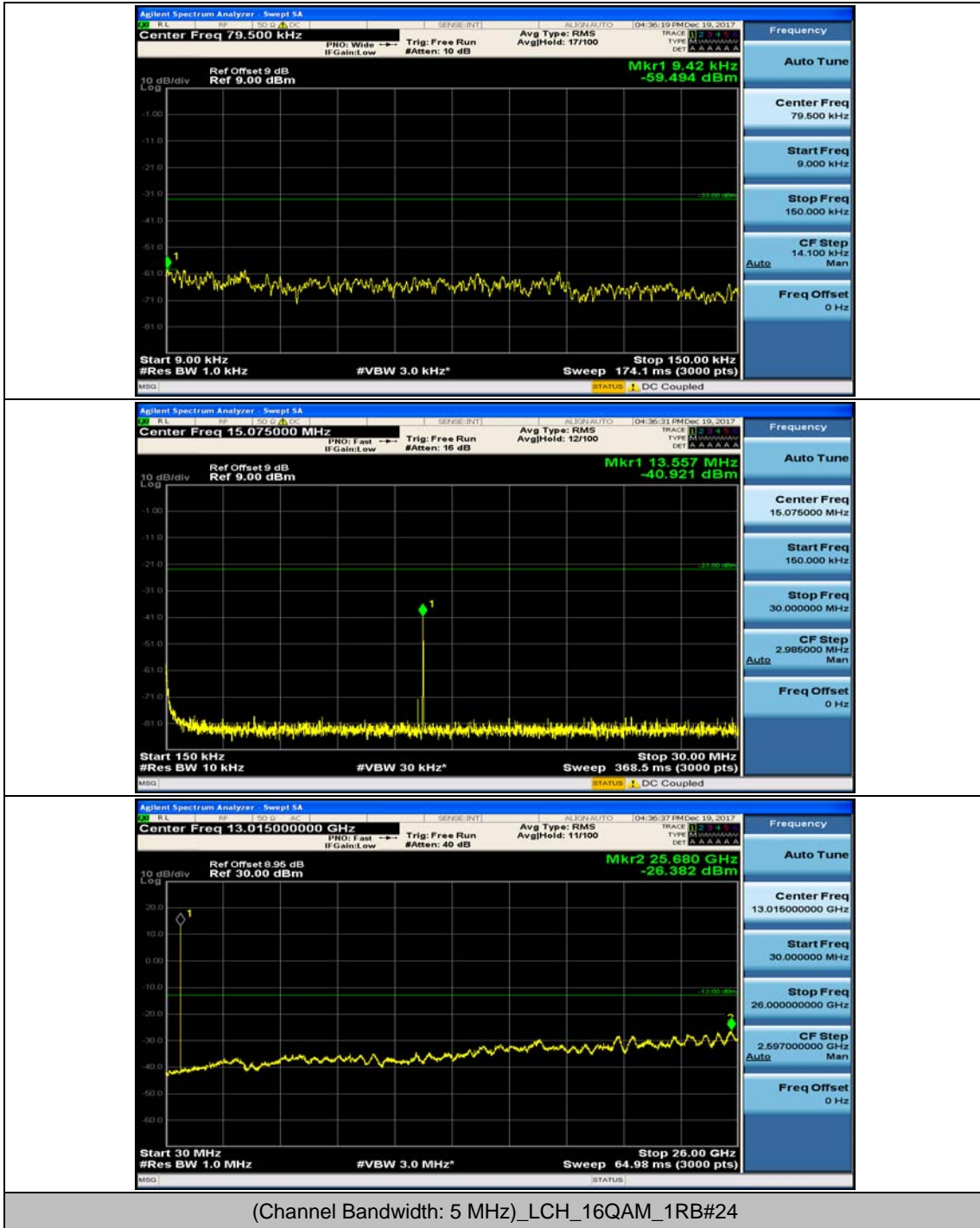


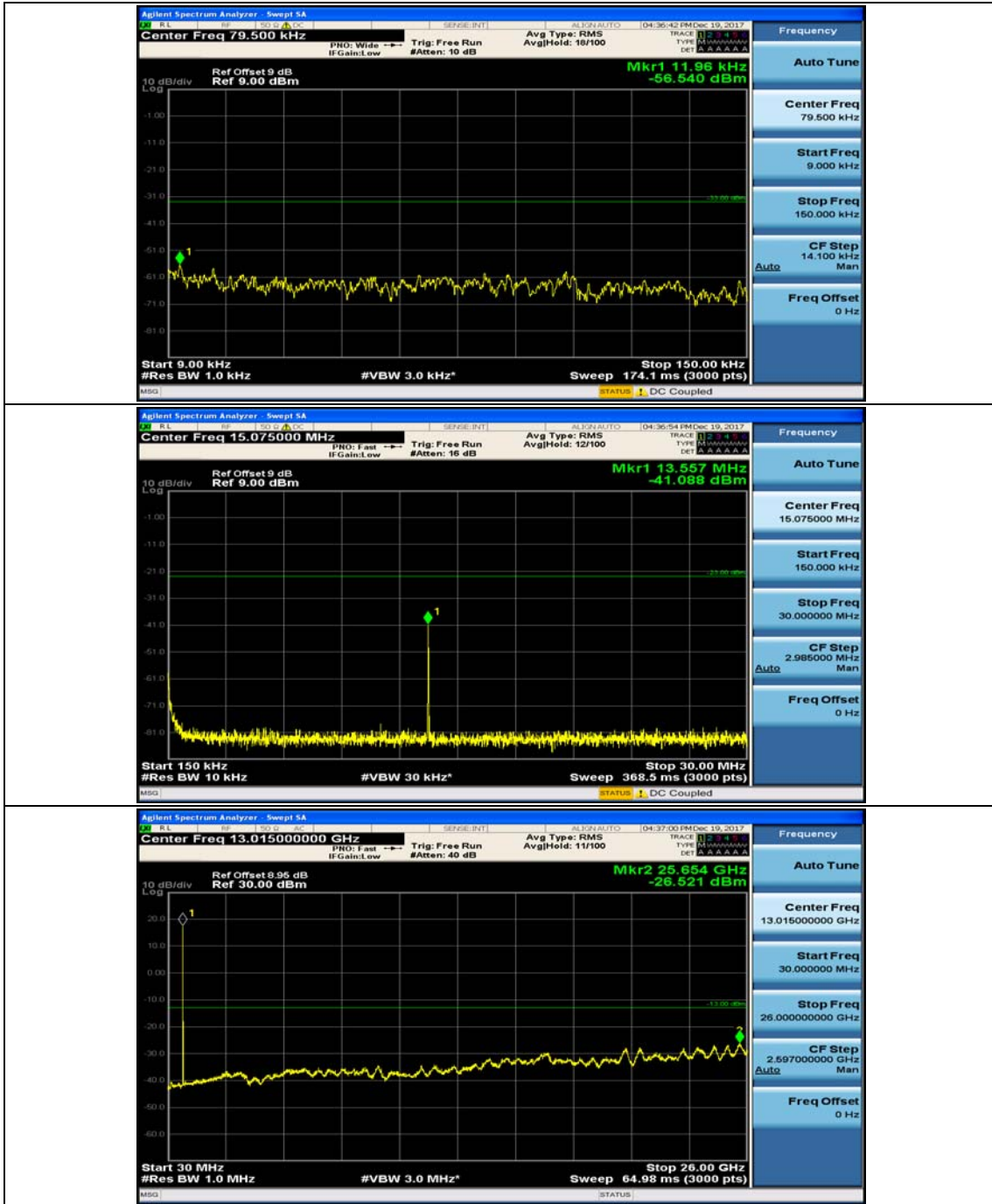


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

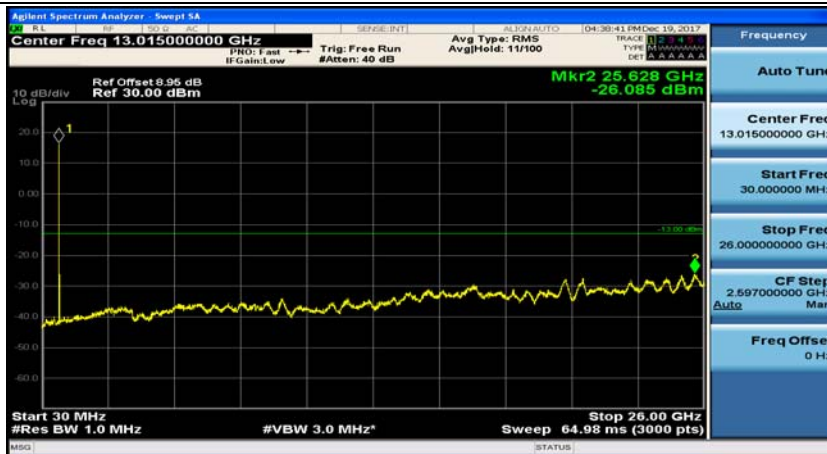
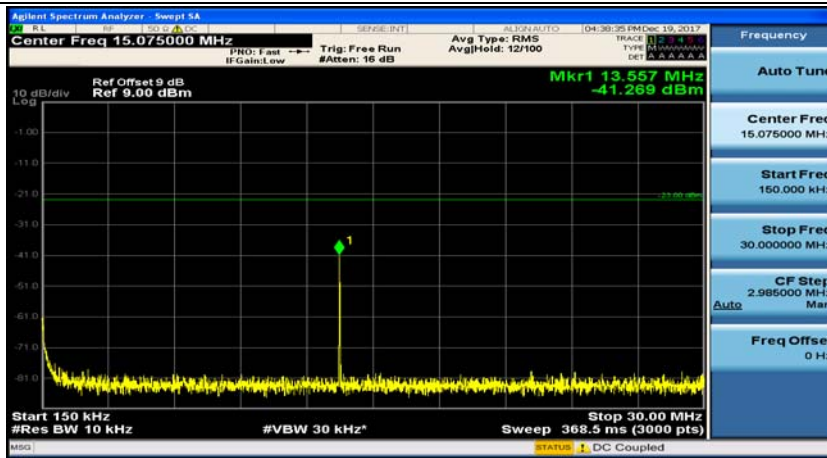
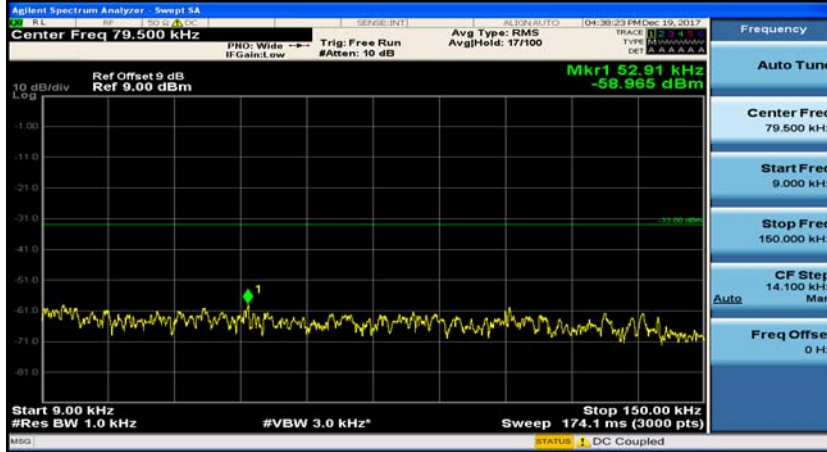


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

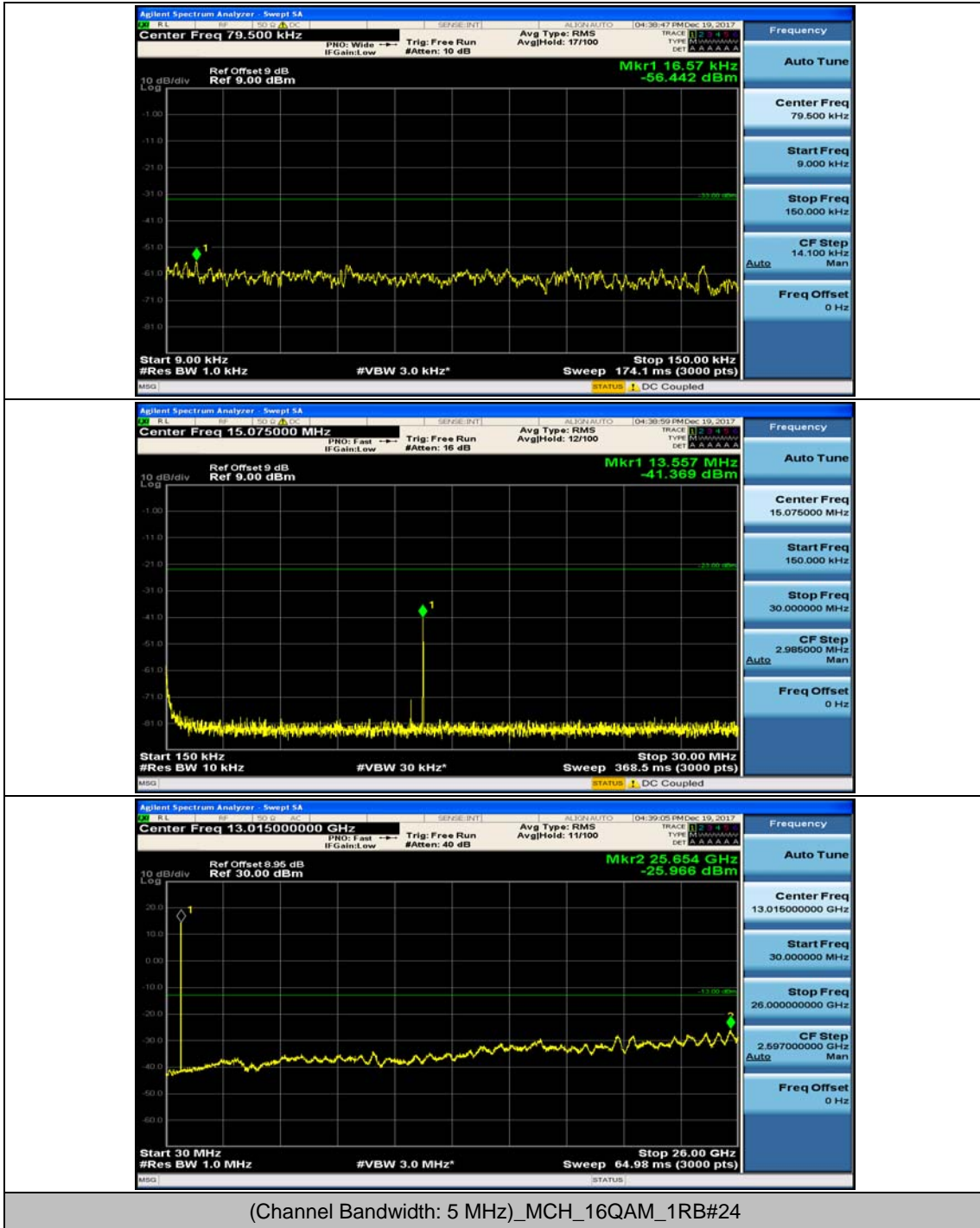


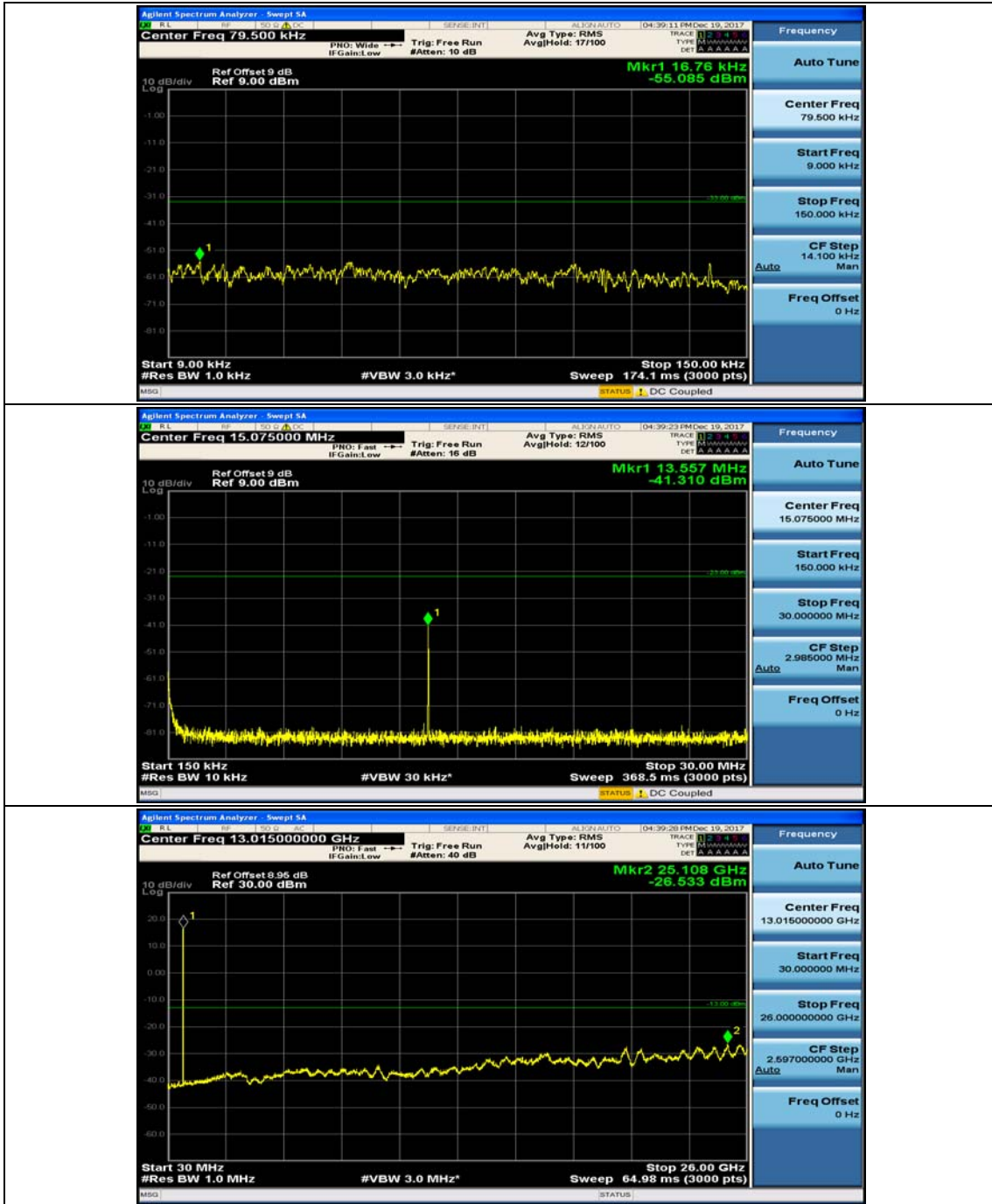


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

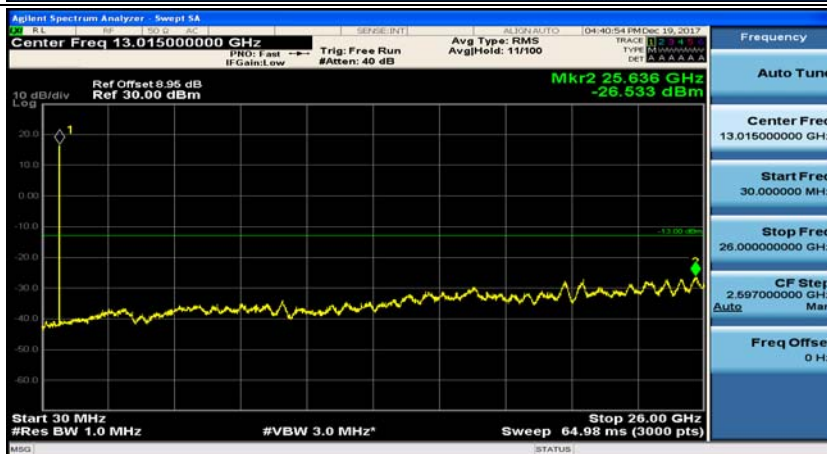
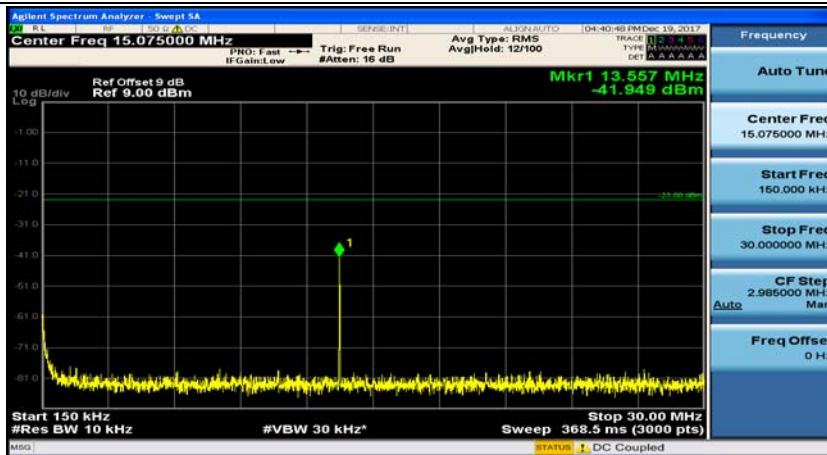
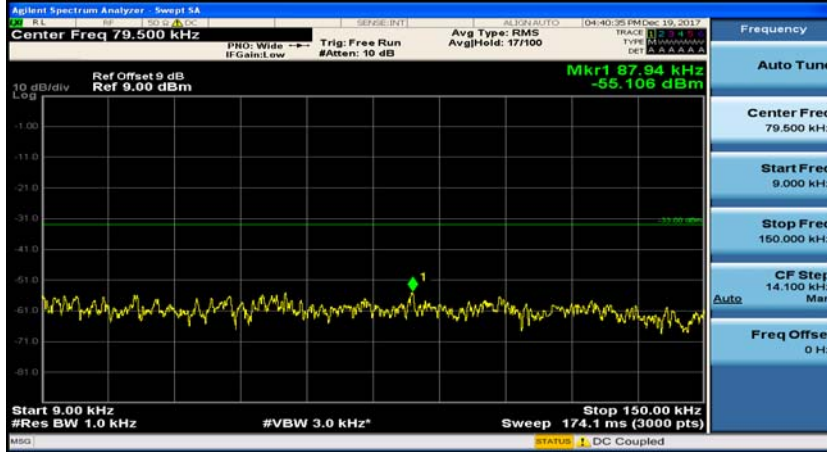


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

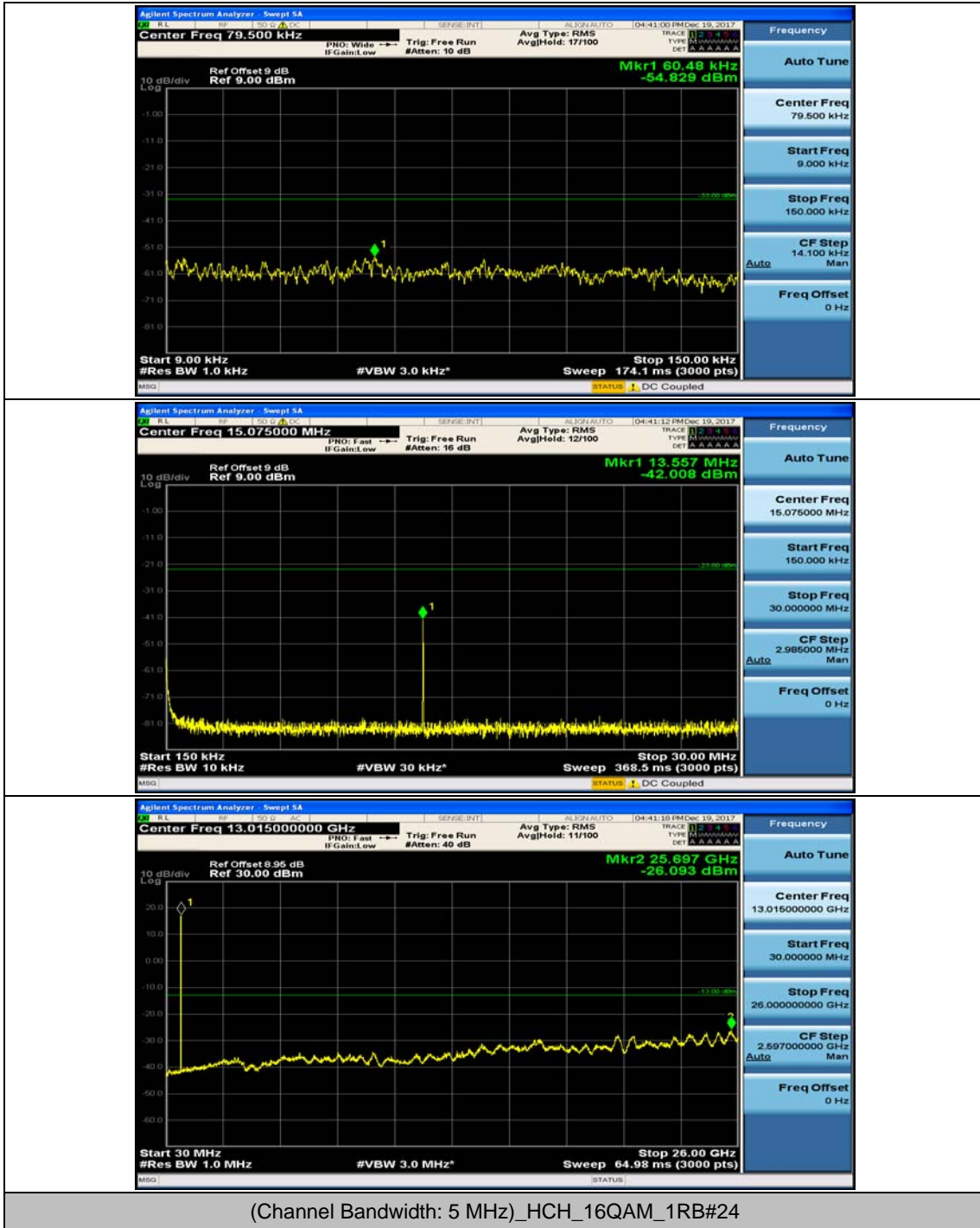


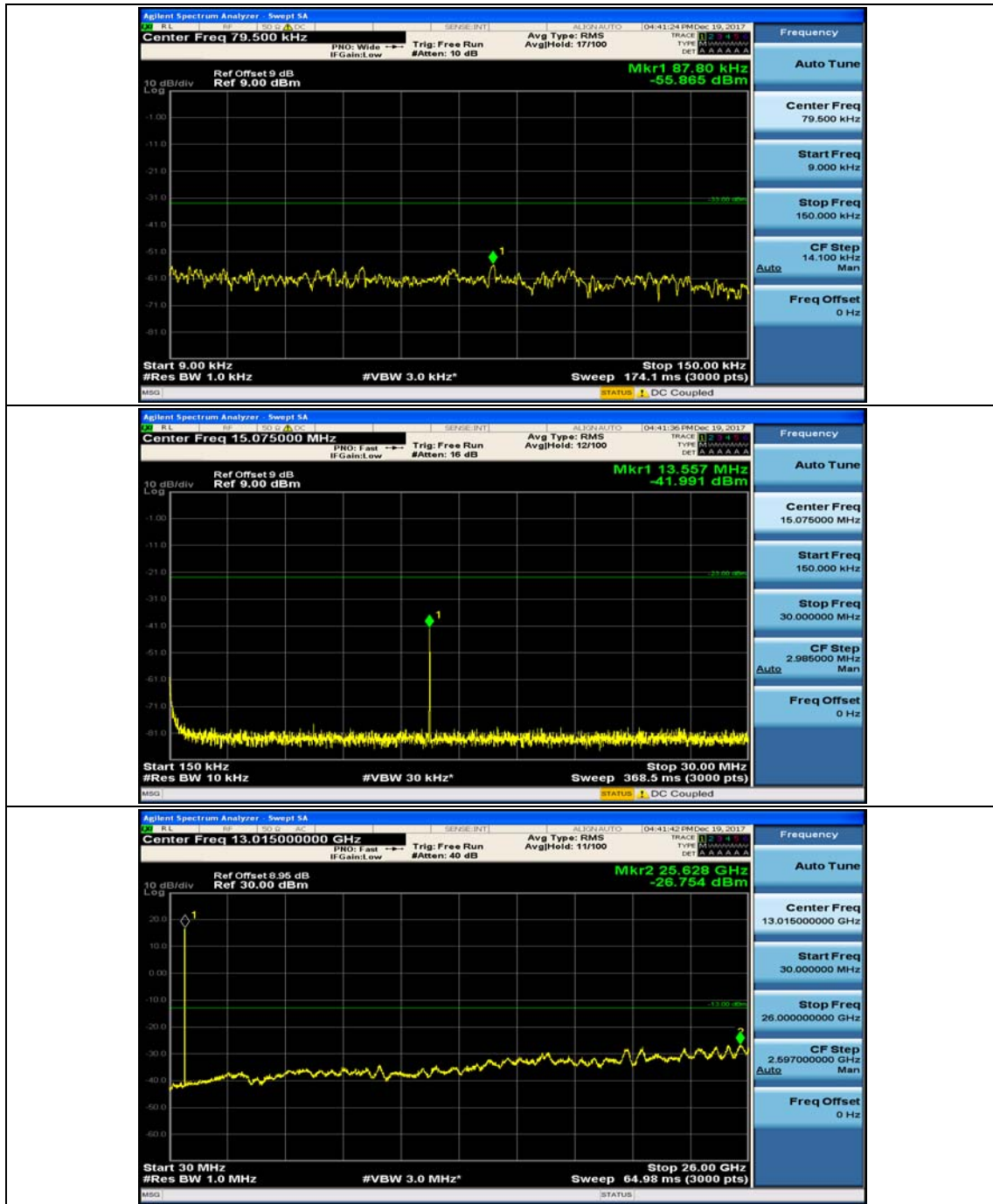


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

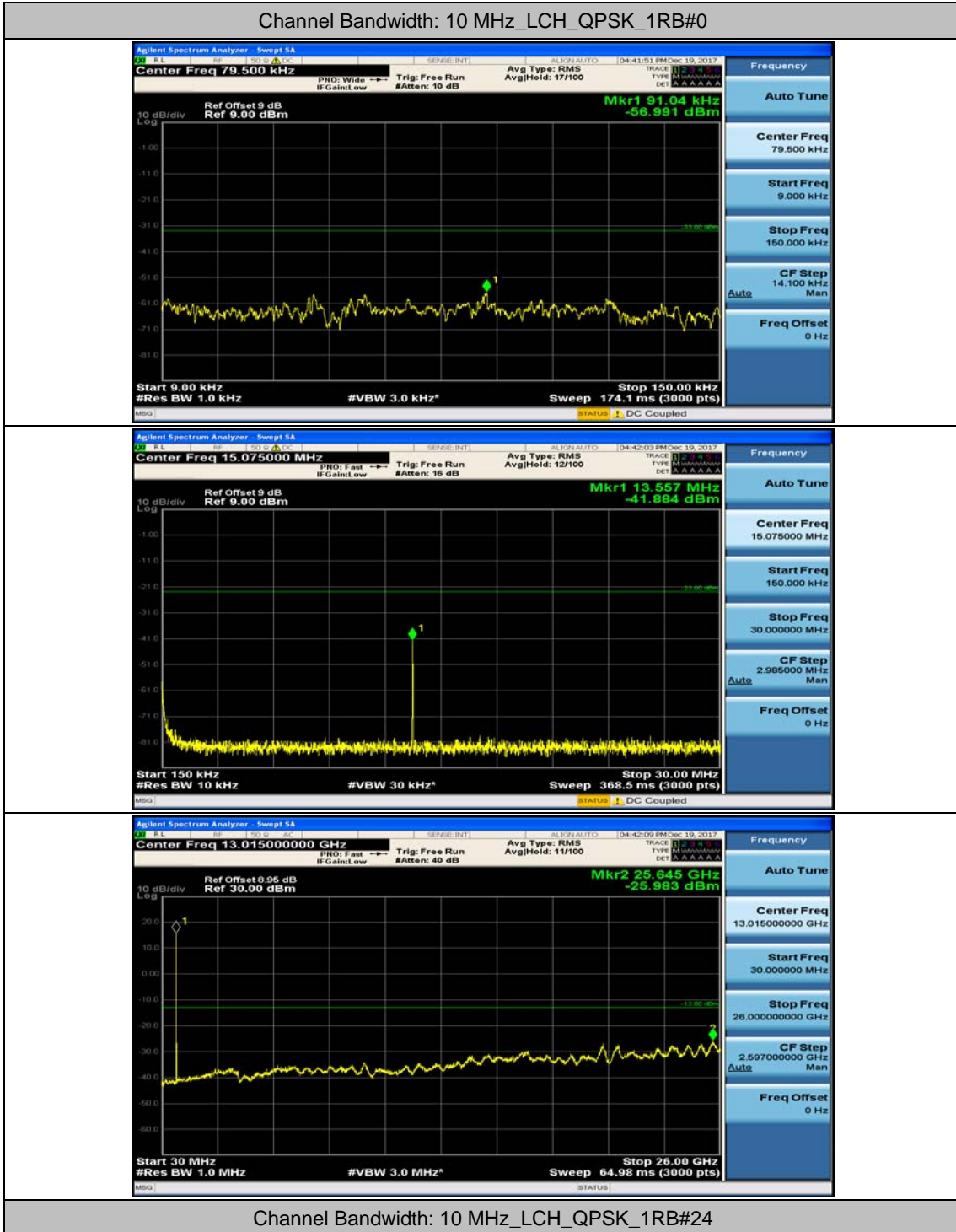


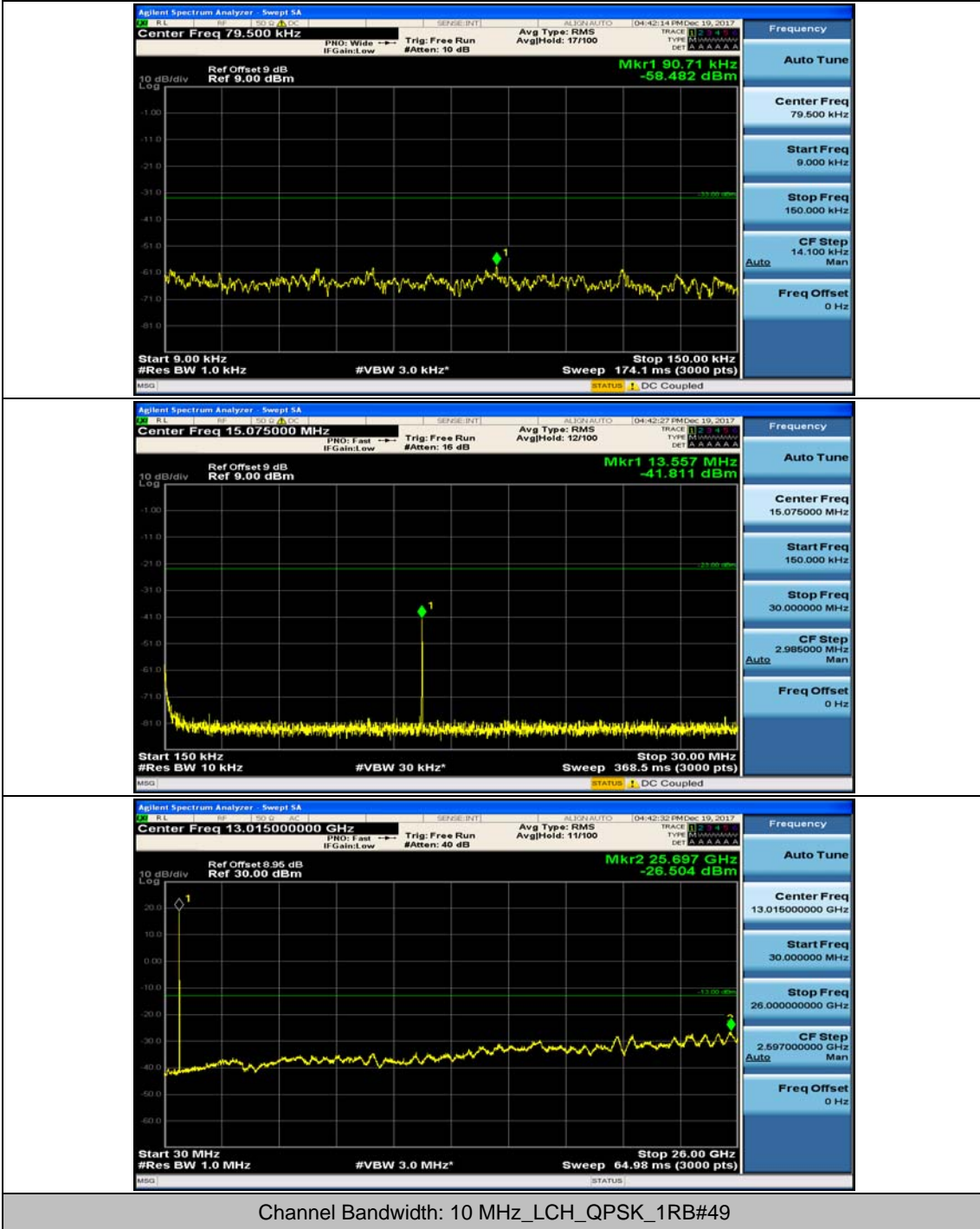
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

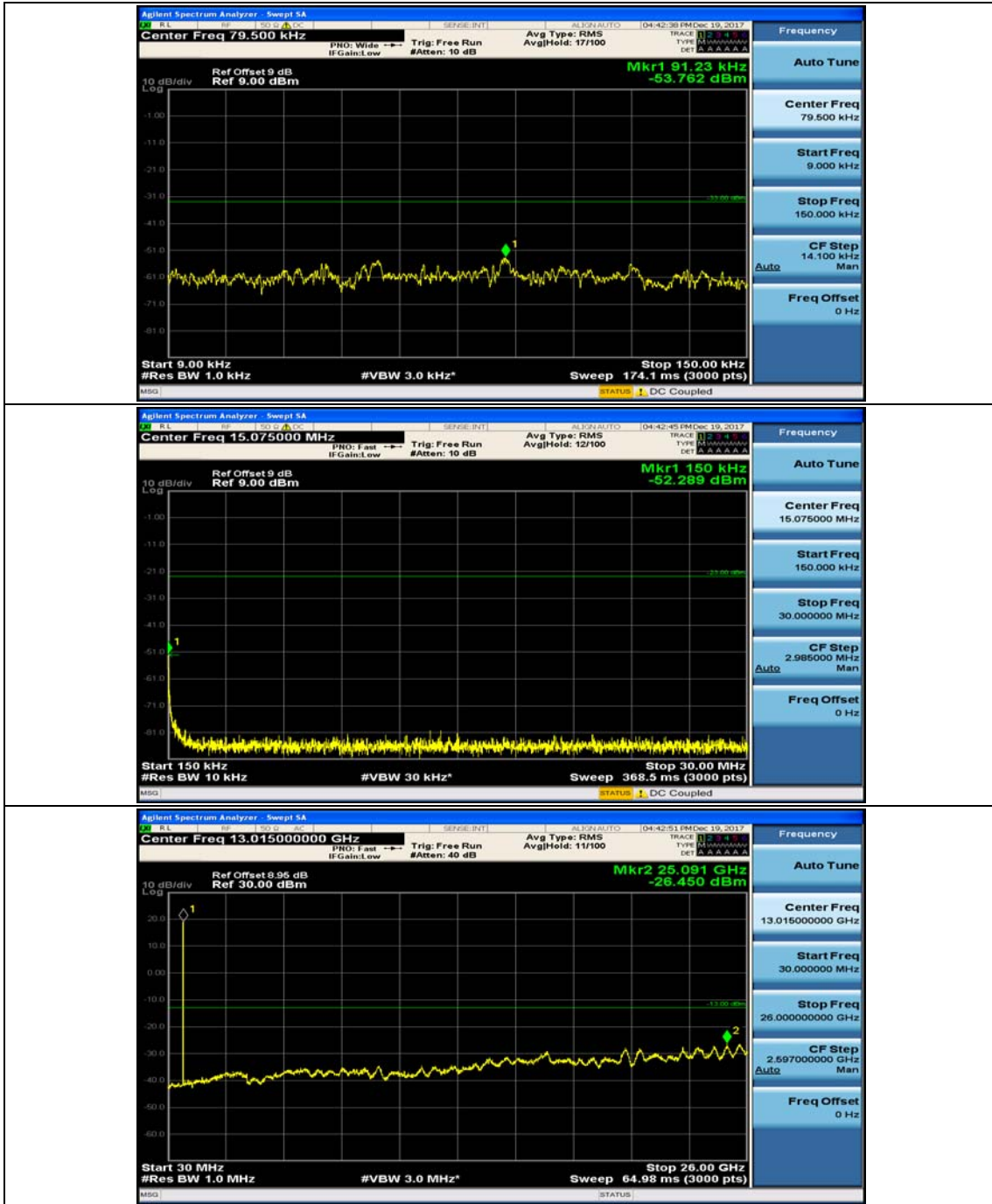




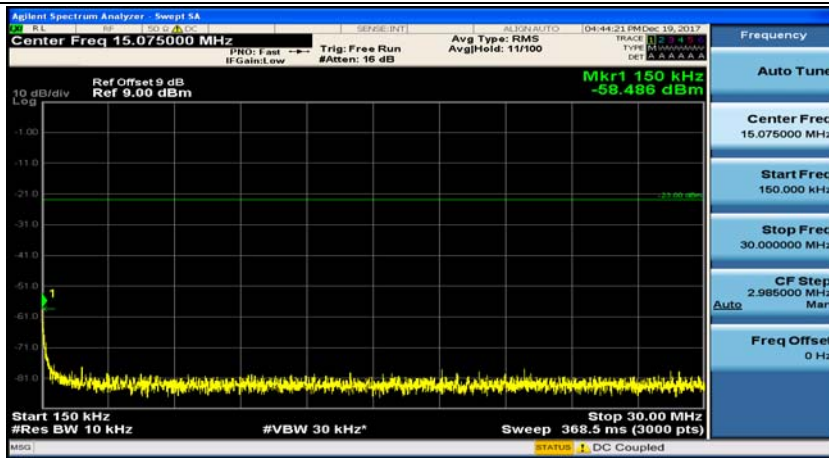
Channel Bandwidth: 10 MHz



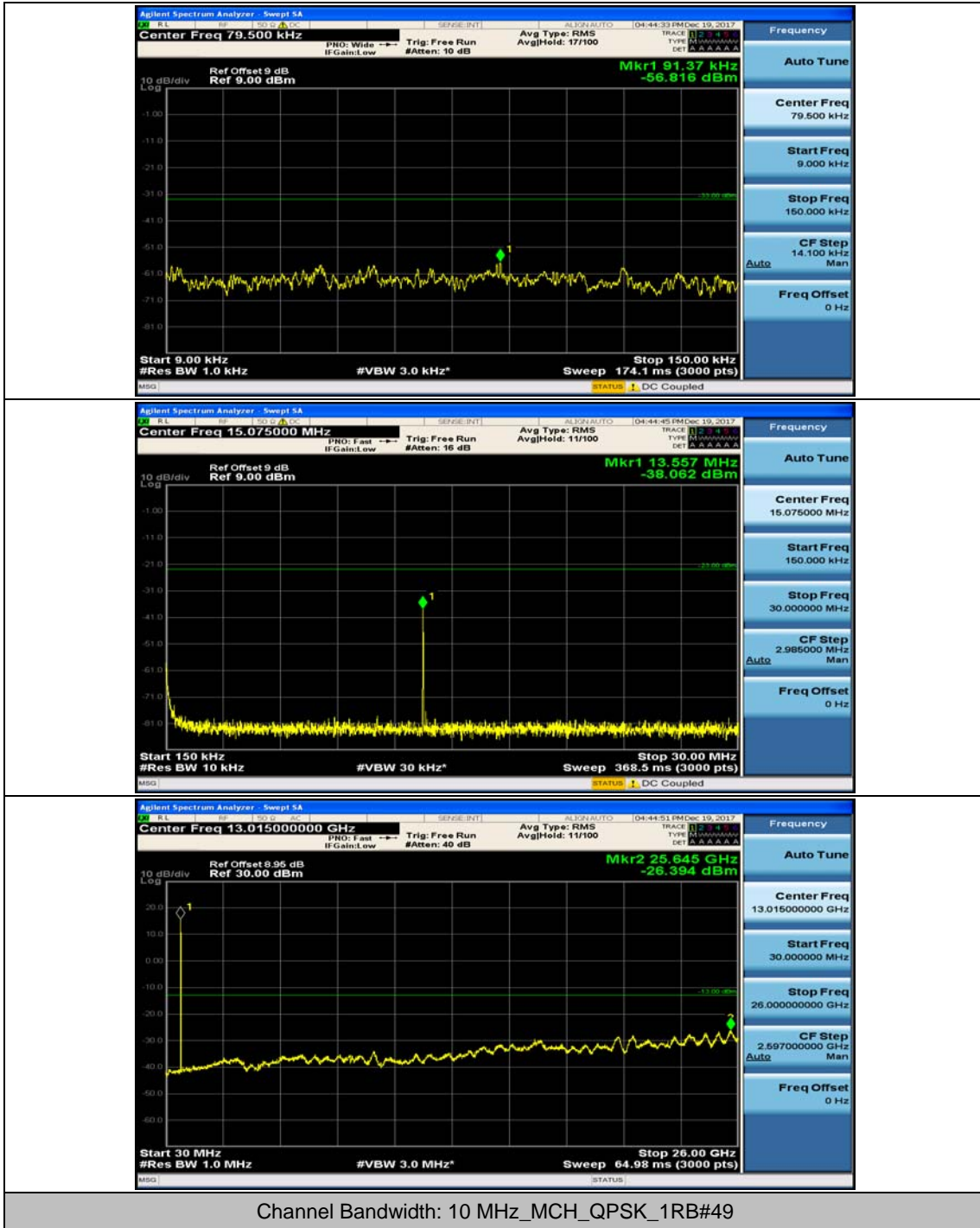


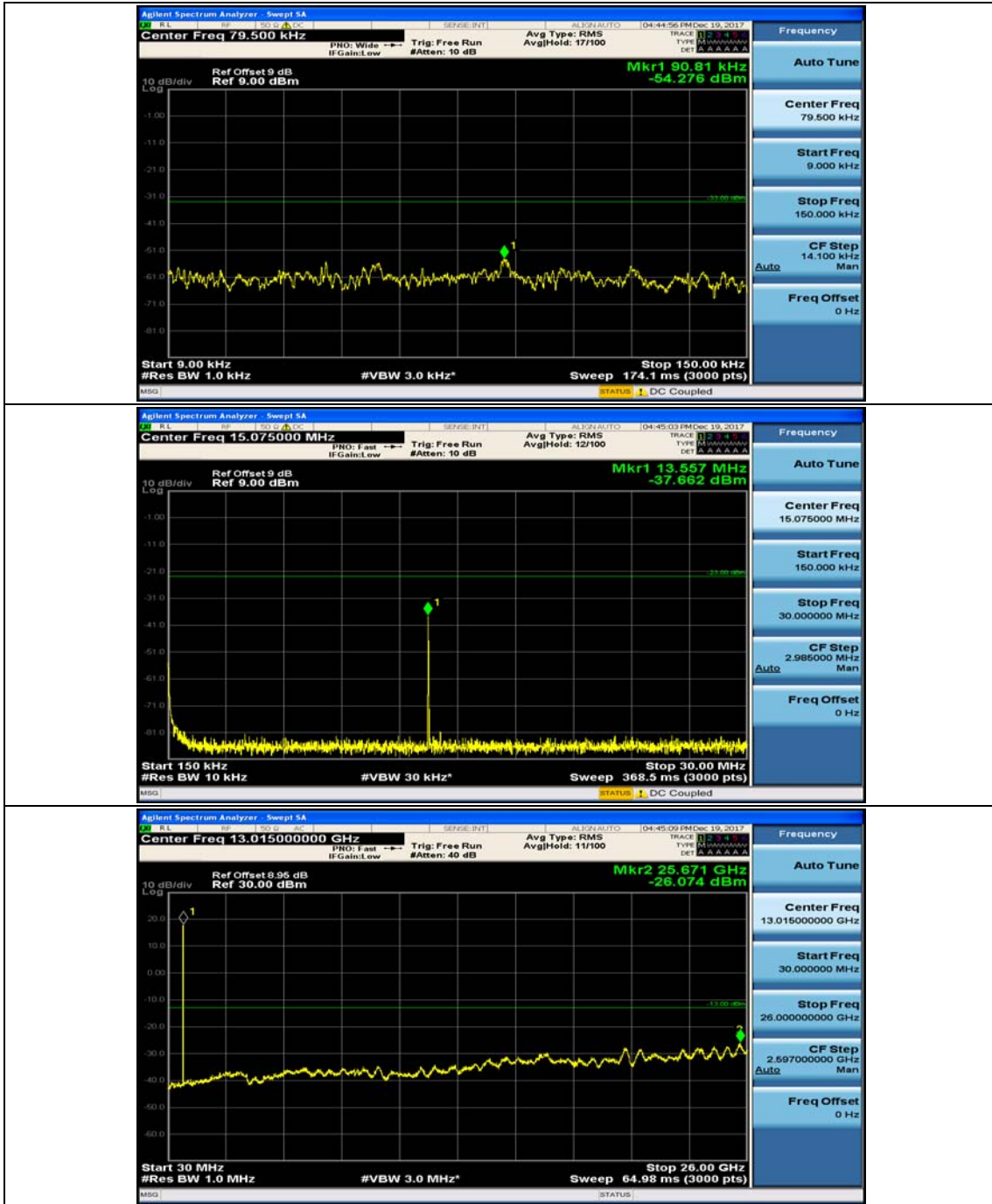


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

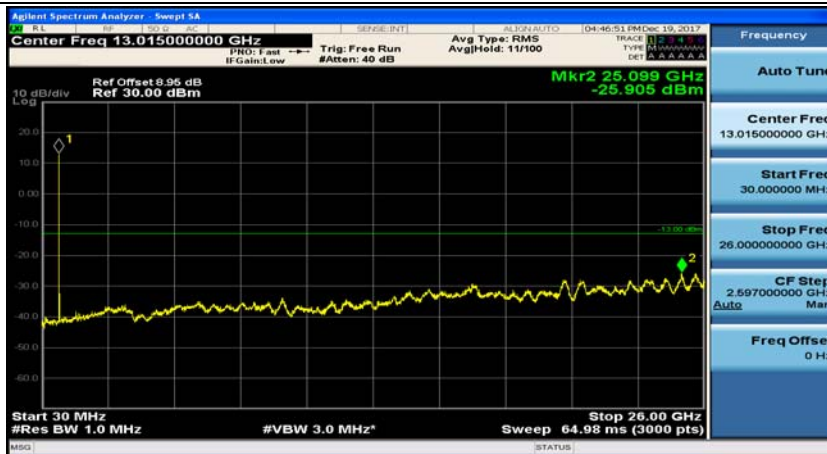
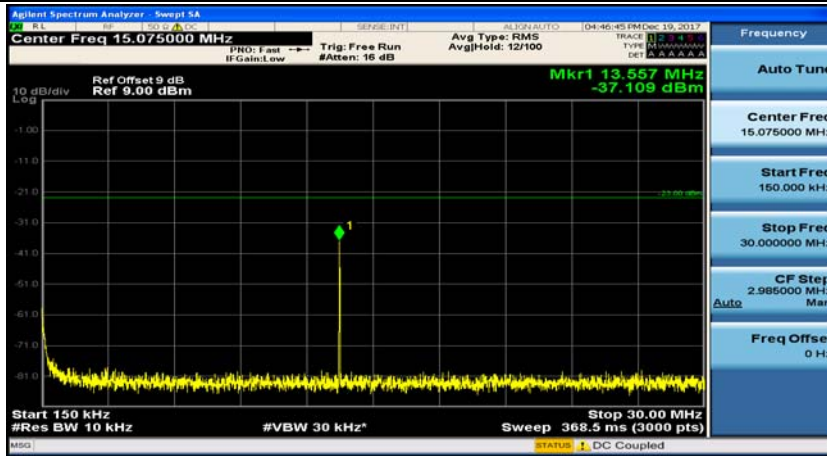
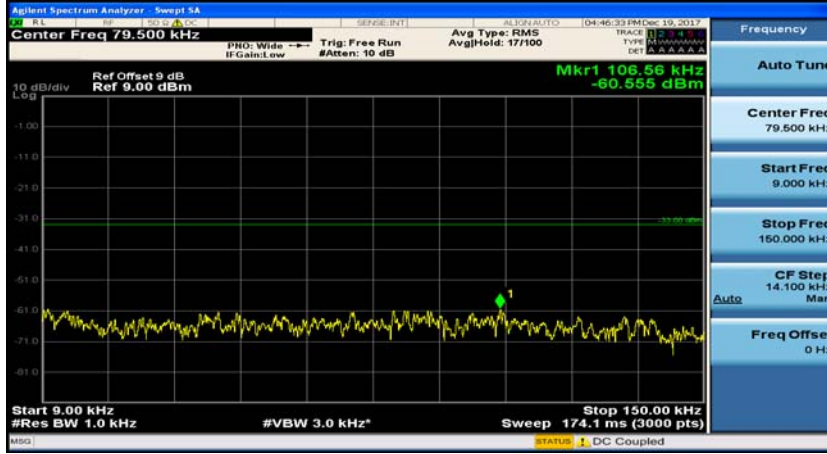


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

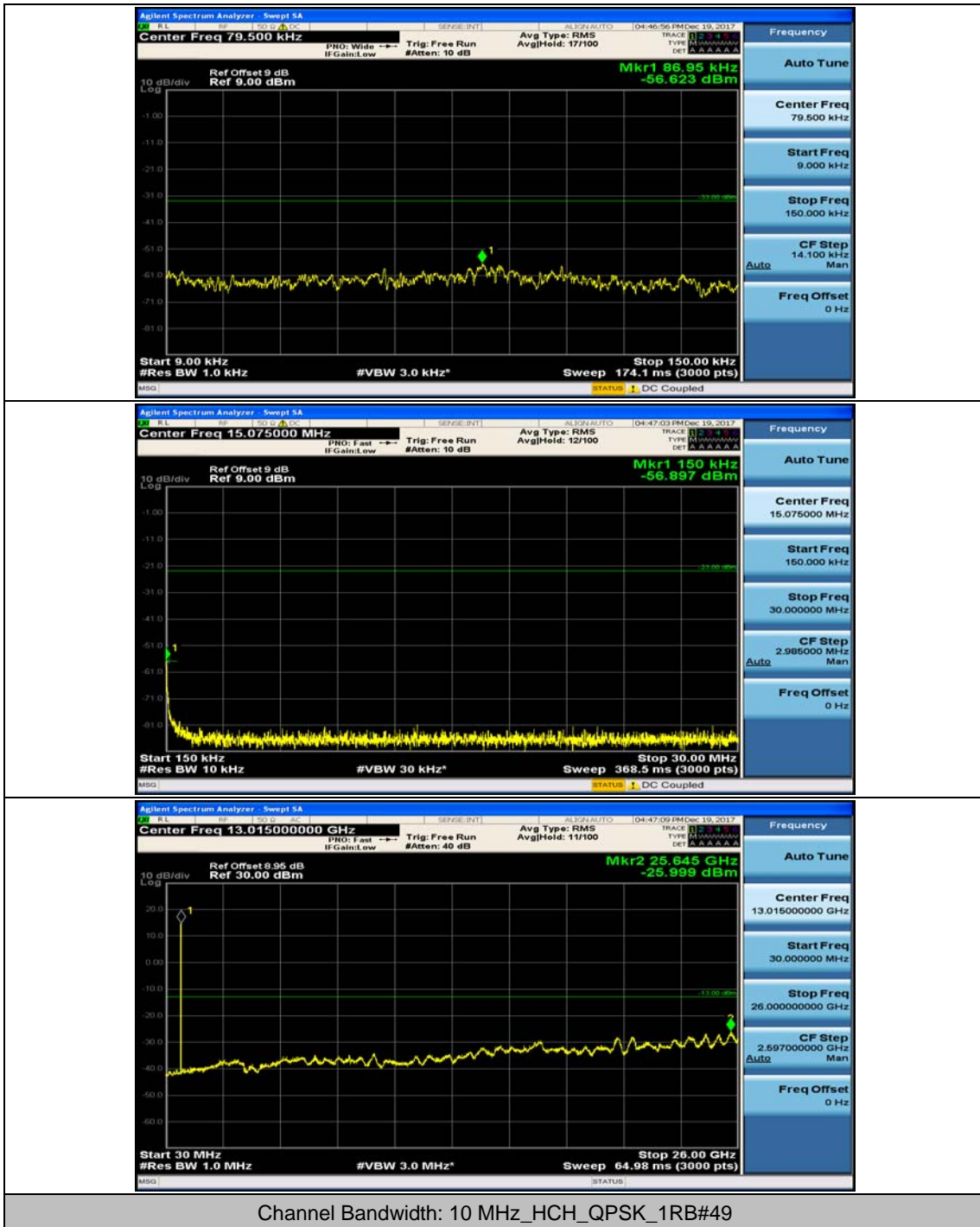


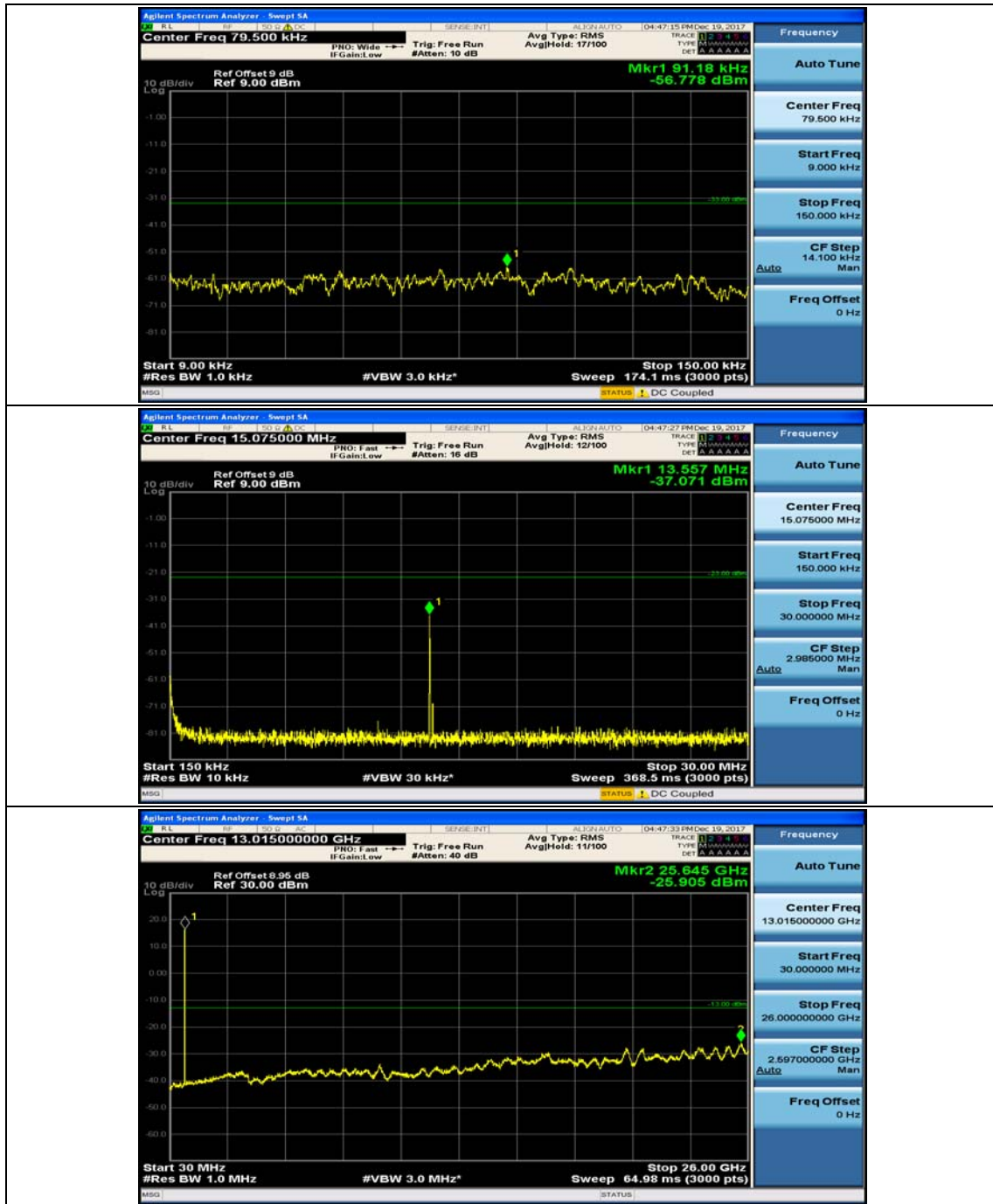


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

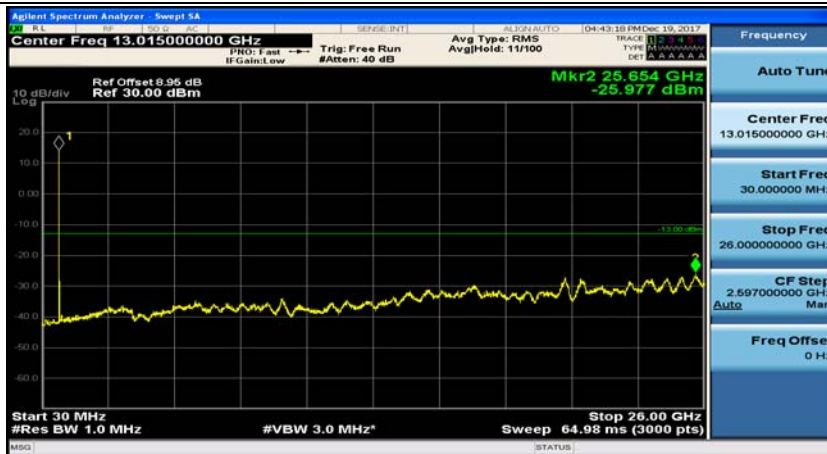
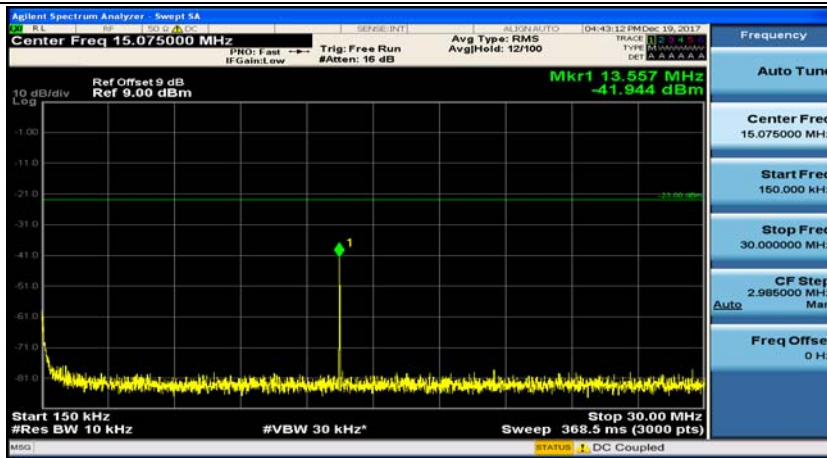
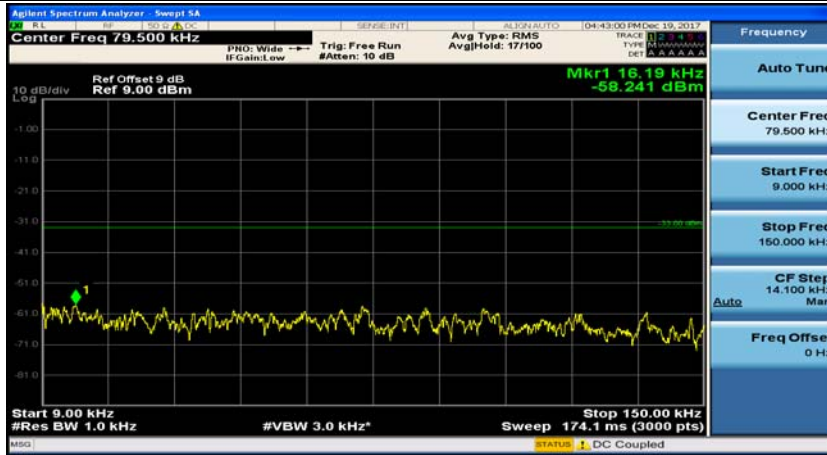


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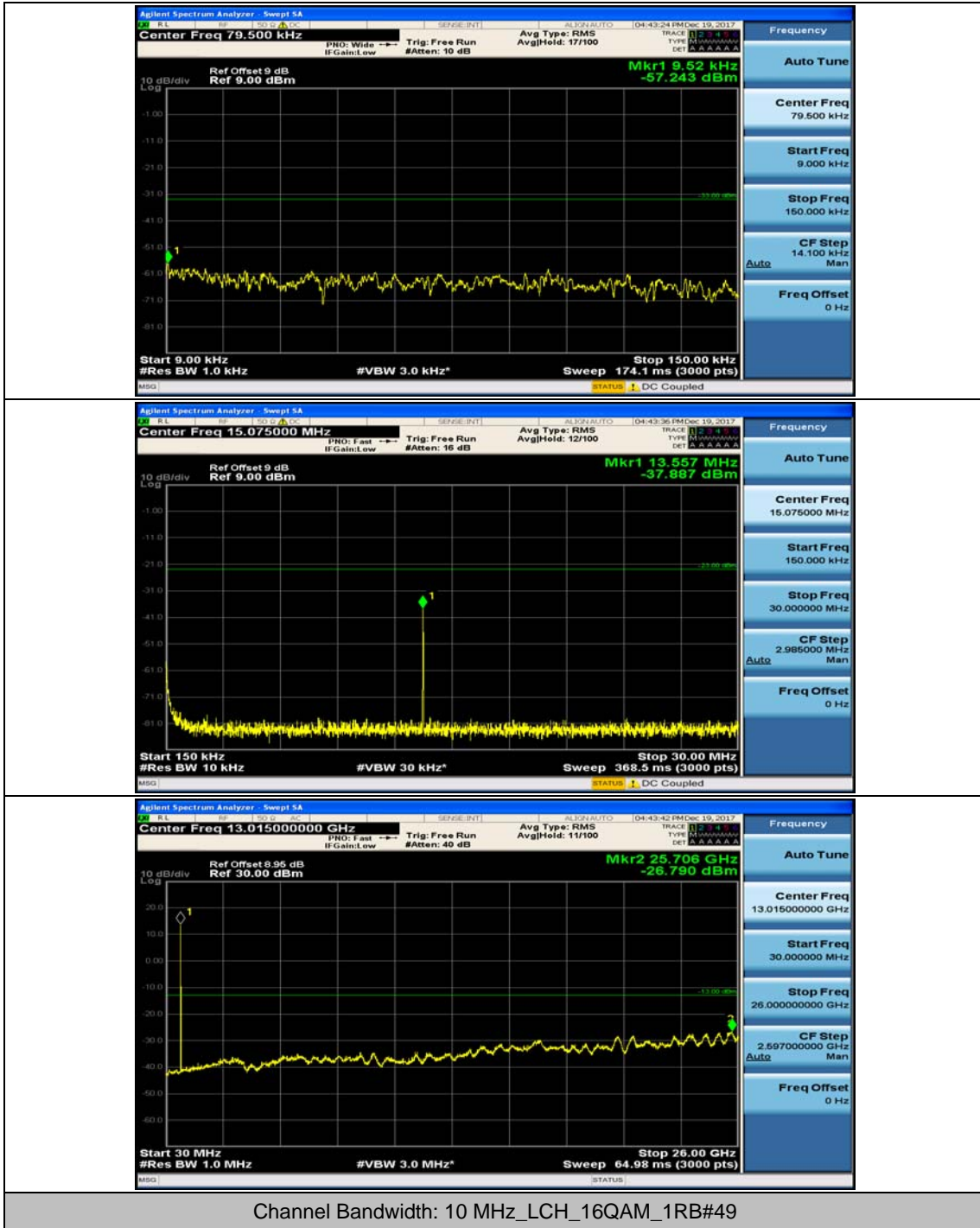


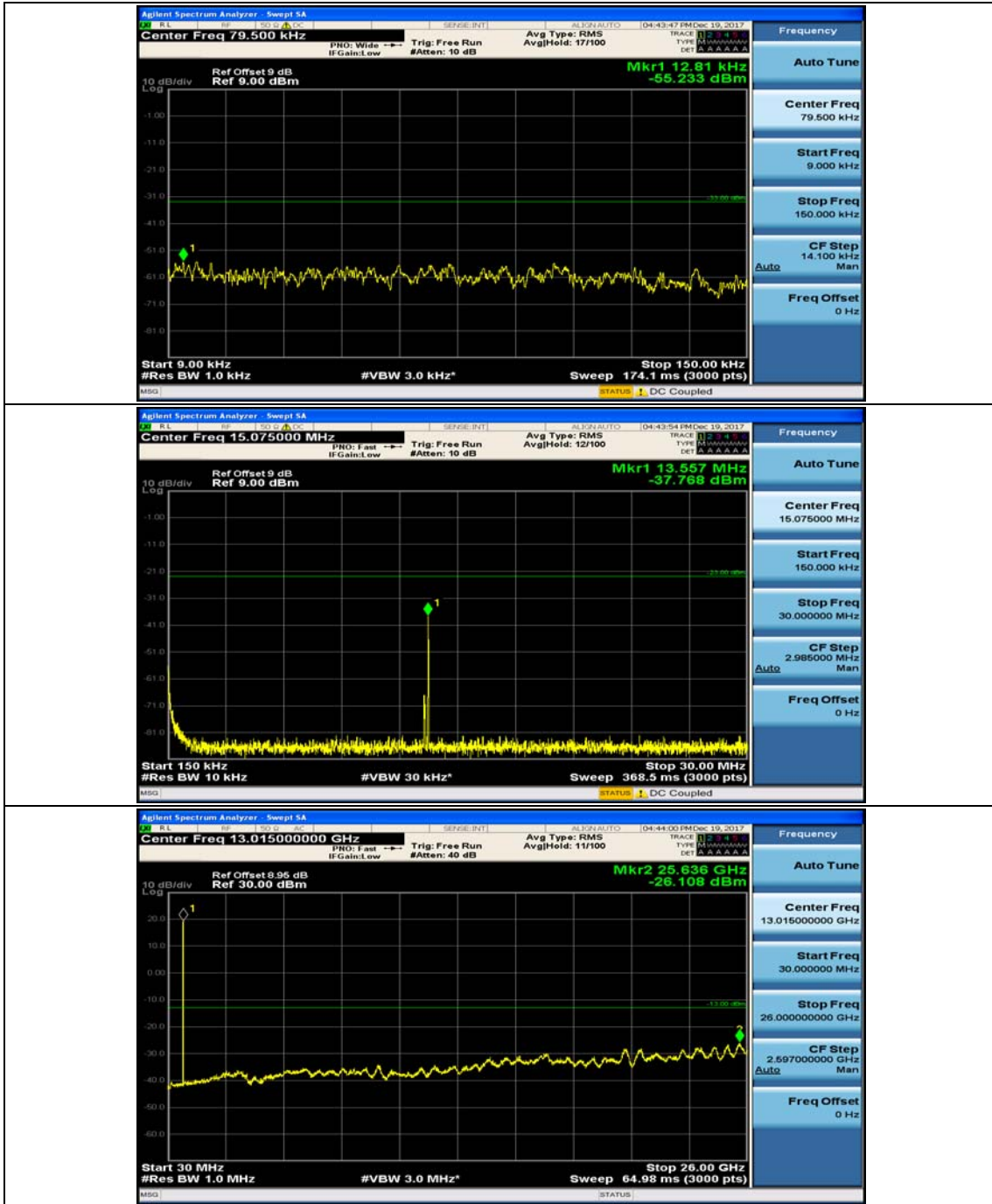


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

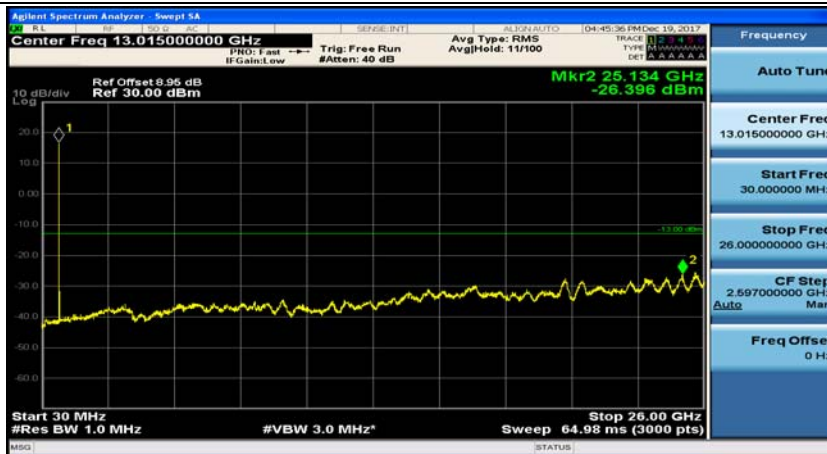
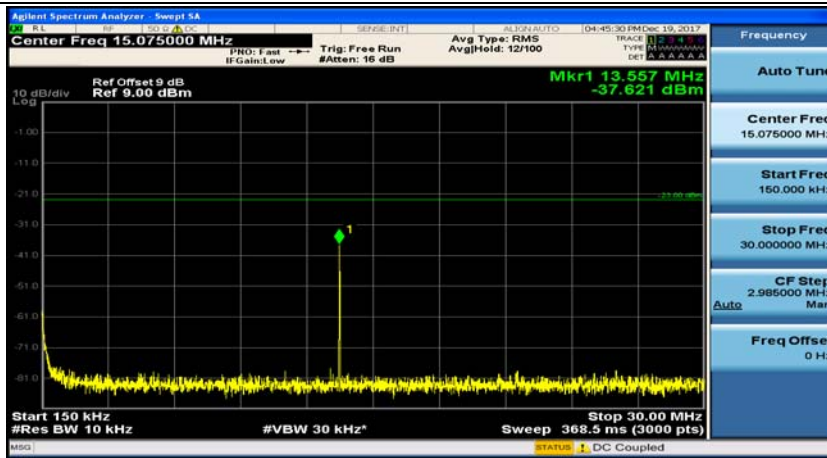
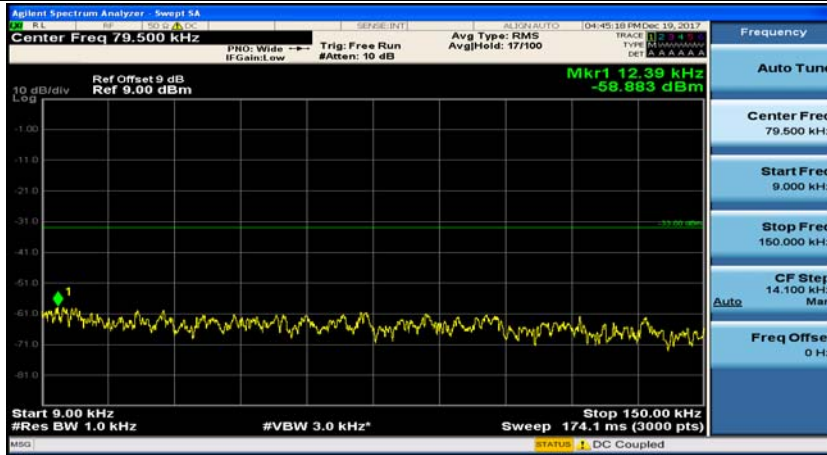


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

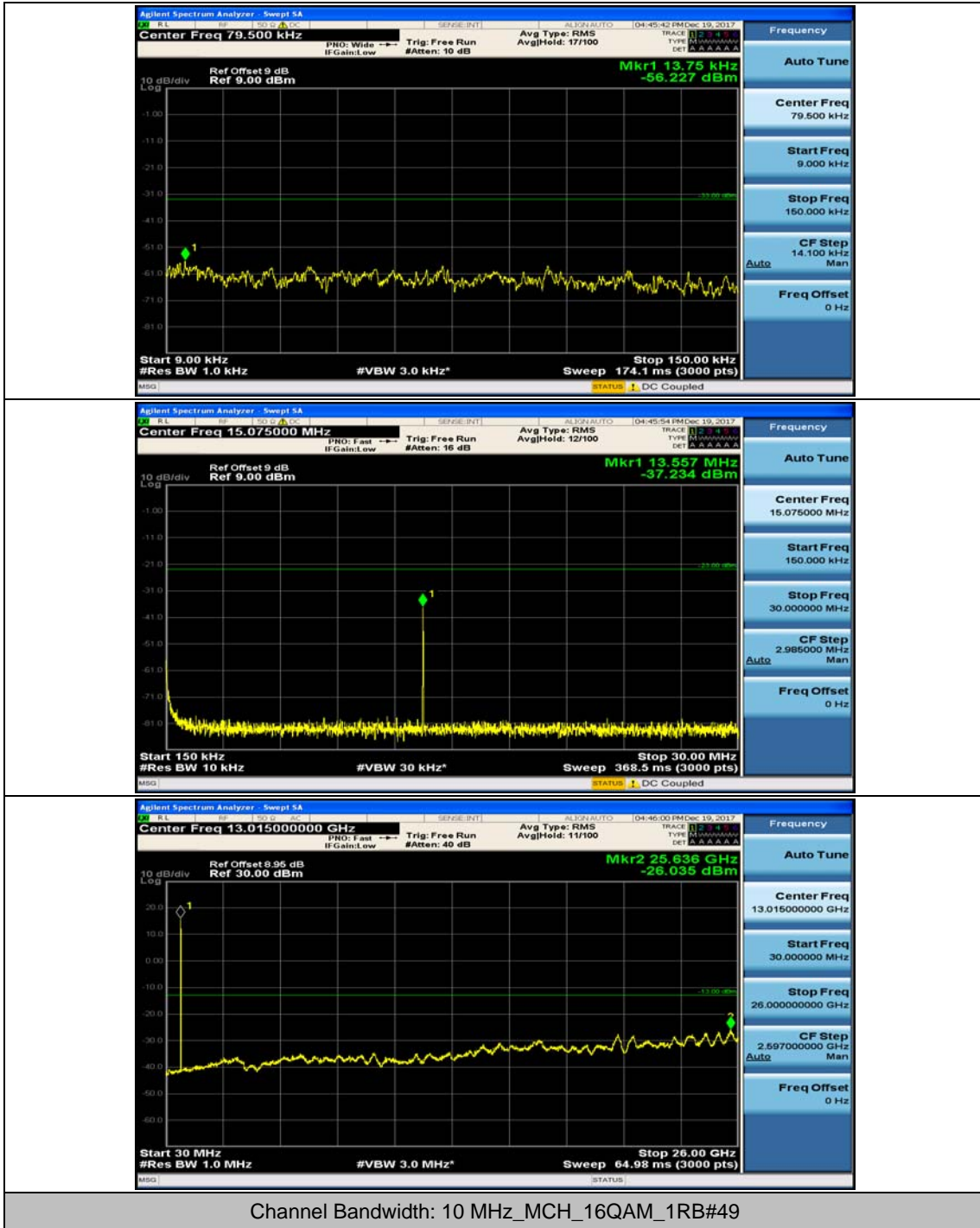


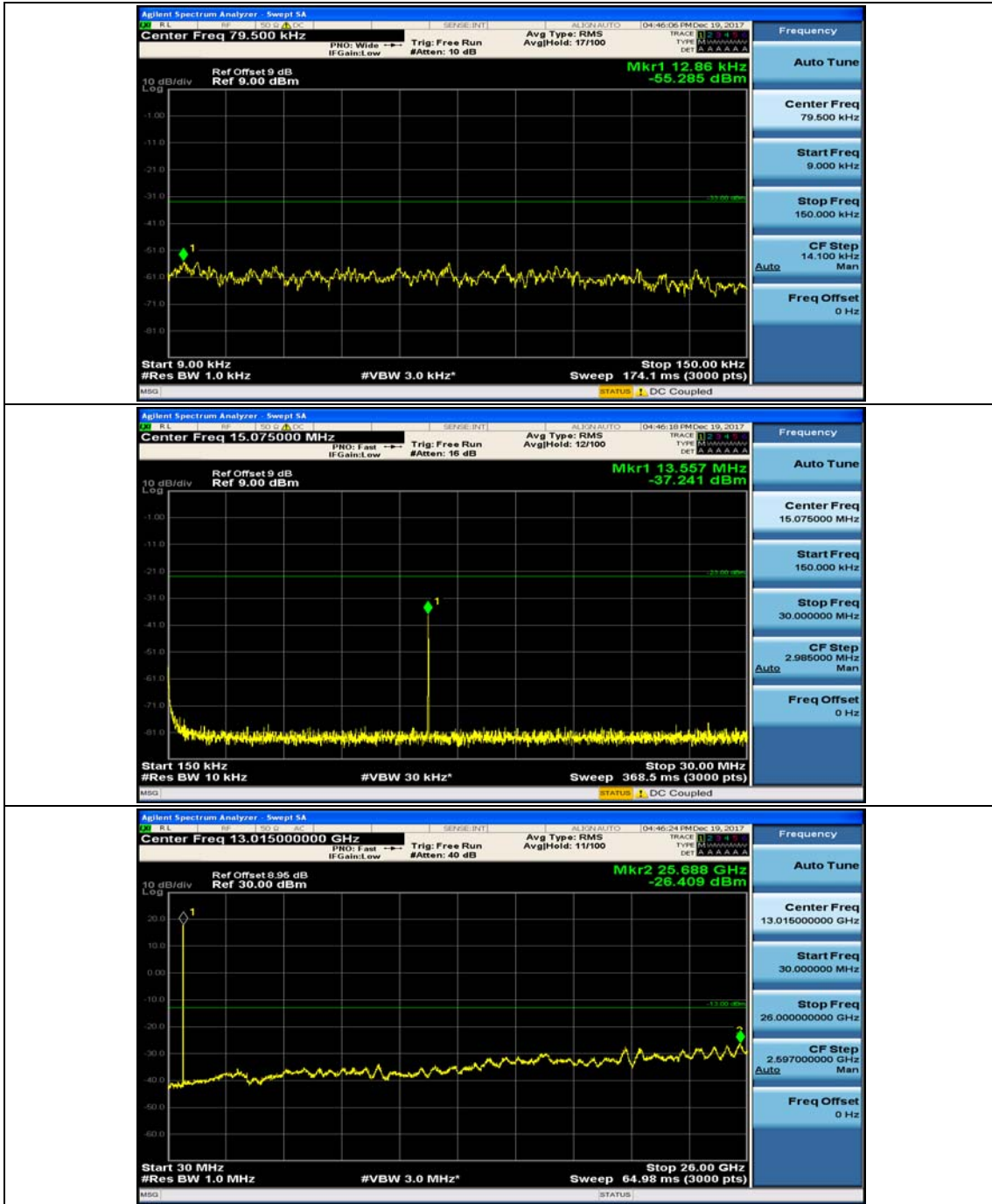


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

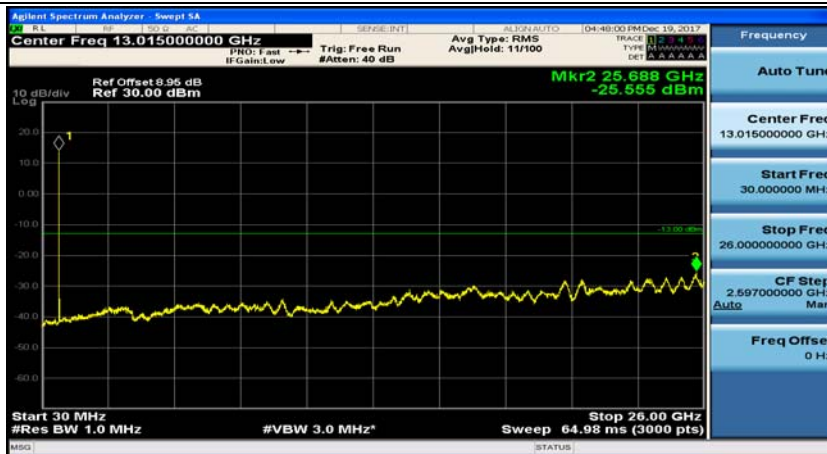
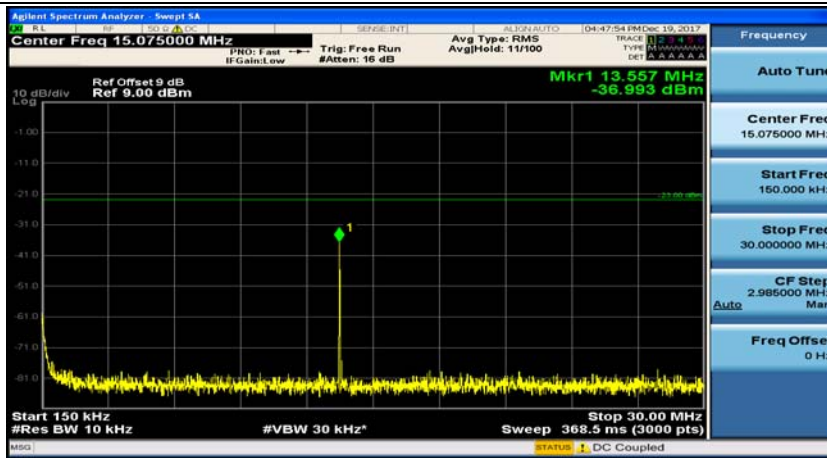
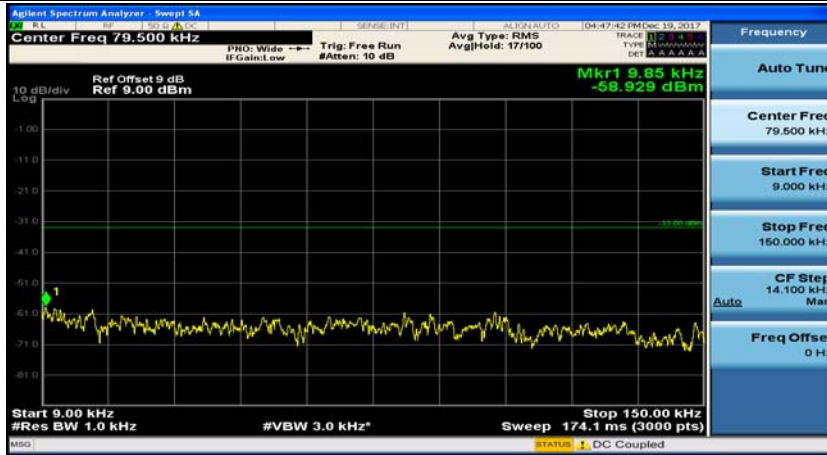


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

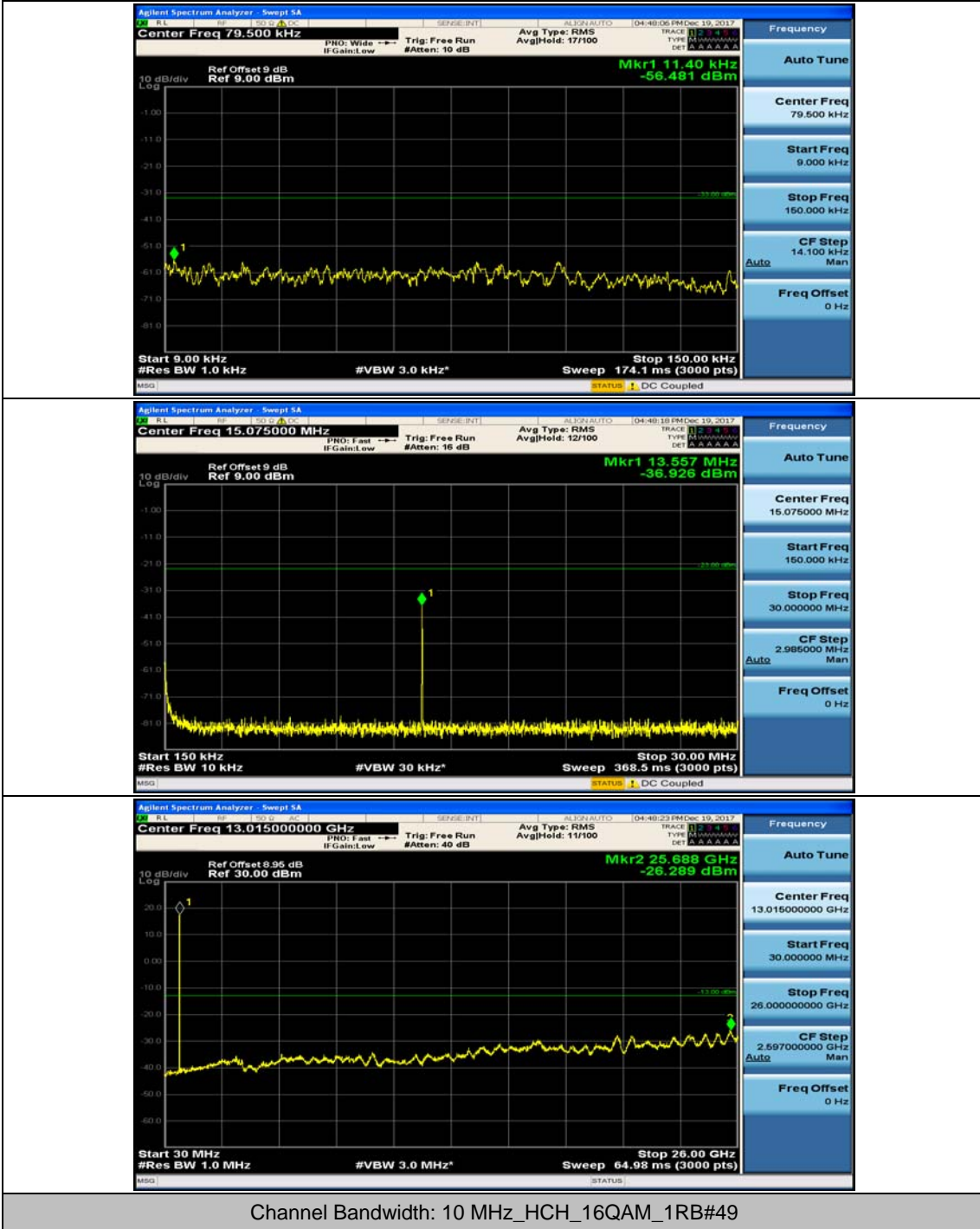


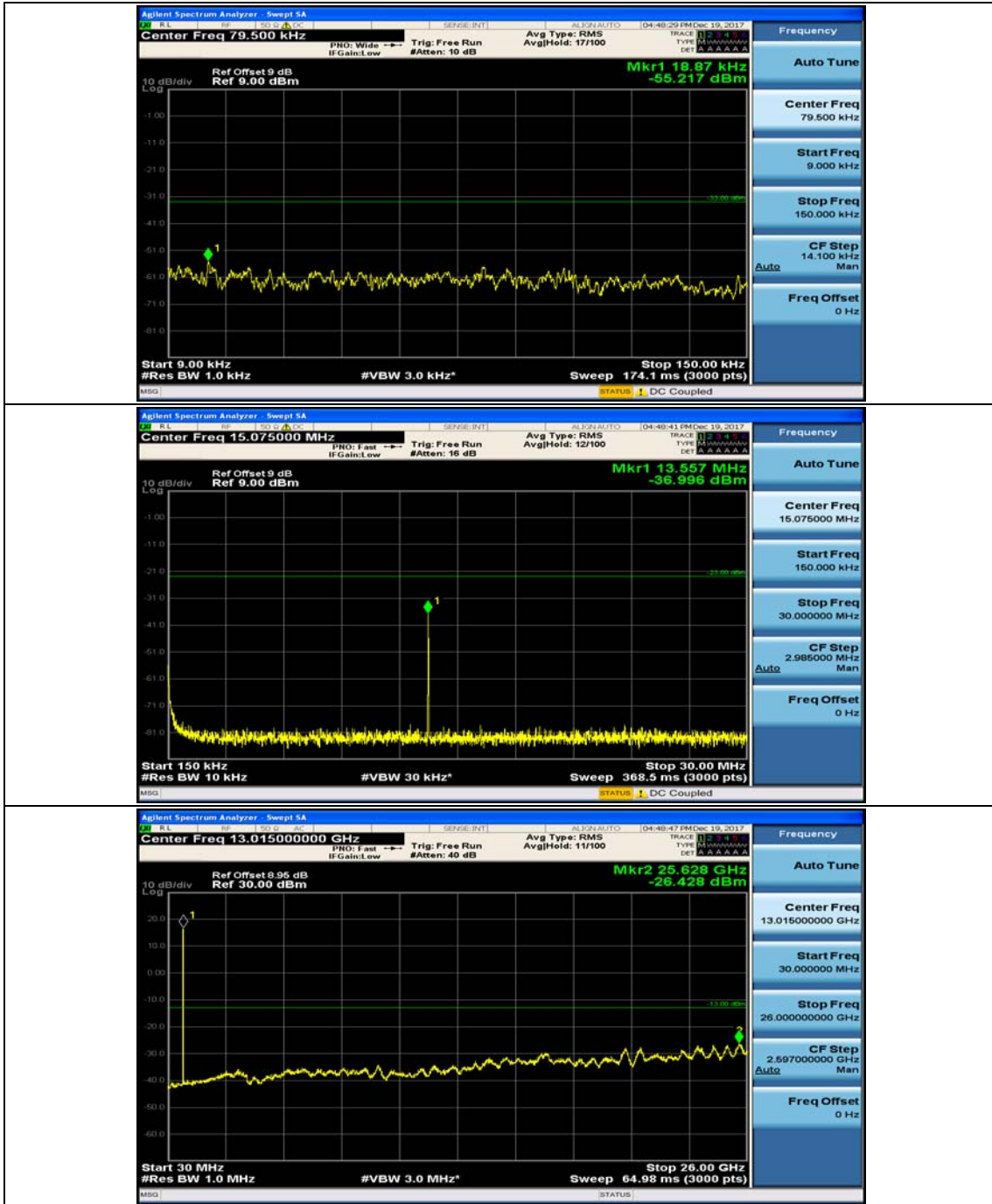


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	0.35	0.000495	± 2.5	PASS
		VN	TN	0.25	0.000354	± 2.5	PASS
		VH	TN	2.68	0.003793	± 2.5	PASS
	MCH	VL	TN	-1.5	-0.002113	± 2.5	PASS
		VN	TN	1	0.001408	± 2.5	PASS
		VH	TN	3.78	0.005324	± 2.5	PASS
	HCH	VL	TN	2.37	0.003322	± 2.5	PASS
		VN	TN	4.22	0.005915	± 2.5	PASS
		VH	TN	2.03	0.002845	± 2.5	PASS
16QAM	LCH	VL	TN	1.16	0.001642	± 2.5	PASS
		VN	TN	-0.32	-0.000453	± 2.5	PASS
		VH	TN	0.52	0.000736	± 2.5	PASS
	MCH	VL	TN	1.62	0.002282	± 2.5	PASS
		VN	TN	4.16	0.005859	± 2.5	PASS
		VH	TN	4.5	0.006338	± 2.5	PASS
	HCH	VL	TN	1.91	0.002677	± 2.5	PASS
		VN	TN	1.8	0.002523	± 2.5	PASS
		VH	TN	0.79	0.001111	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.88	0.001246	± 2.5	PASS
		VN	-20	3.29	0.004657	± 2.5	PASS
		VN	-10	-1.37	-0.001939	± 2.5	PASS
		VN	0	2.14	0.003029	± 2.5	PASS
		VN	10	-0.2	-0.000283	± 2.5	PASS
		VN	20	0.62	0.000878	± 2.5	PASS
		VN	30	3.56	0.005039	± 2.5	PASS
		VN	40	3.55	0.005025	± 2.5	PASS
		VN	50	1.4	0.001982	± 2.5	PASS
	MCH	VN	-30	1.18	0.001662	± 2.5	PASS
		VN	-20	4.54	0.006394	± 2.5	PASS
		VN	-10	-0.87	-0.001225	± 2.5	PASS

		VN	0	1.29	0.001817	± 2.5	PASS		
		VN	10	-1.12	-0.001577	± 2.5	PASS		
		VN	20	0.61	0.000859	± 2.5	PASS		
		VN	30	3.84	0.005408	± 2.5	PASS		
		VN	40	0.4	0.000563	± 2.5	PASS		
		VN	50	0.79	0.001113	± 2.5	PASS		
	HCH	VN	-30	1.85	0.002593	± 2.5	PASS		
		VN	-20	3.39	0.004751	± 2.5	PASS		
		VN	-10	3.68	0.005158	± 2.5	PASS		
		VN	0	0.81	0.001135	± 2.5	PASS		
		VN	10	1.11	0.001556	± 2.5	PASS		
		VN	20	-0.16	-0.000224	± 2.5	PASS		
		VN	30	4.82	0.006755	± 2.5	PASS		
		VN	40	3.07	0.004303	± 2.5	PASS		
		VN	50	0.21	0.000294	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.22	-0.001727	± 2.5	PASS
				VN	-20	-1.38	-0.001953	± 2.5	PASS
				VN	-10	-0.42	-0.000594	± 2.5	PASS
VN	0			3.56	0.005039	± 2.5	PASS		
VN	10			-1.62	-0.002293	± 2.5	PASS		
VN	20			-1.86	-0.002633	± 2.5	PASS		
VN	30			1.85	0.002619	± 2.5	PASS		
VN	40			1.72	0.002435	± 2.5	PASS		
VN	50			0.71	0.001005	± 2.5	PASS		
MCH	VN		-30	4.15	0.005816	± 2.5	PASS		
	VN		-20	-0.87	-0.001219	± 2.5	PASS		
	VN		-10	-1.2	-0.001682	± 2.5	PASS		
	VN		0	2.77	0.003882	± 2.5	PASS		
	VN		10	-1.31	-0.001836	± 2.5	PASS		
	VN		20	0.49	0.000687	± 2.5	PASS		
	VN		30	-0.4	-0.000561	± 2.5	PASS		
	VN		40	4.03	0.005648	± 2.5	PASS		
	VN		50	2.94	0.004121	± 2.5	PASS		
HCH	VN		-30	3.65	0.005116	± 2.5	PASS		
	VN		-20	3.27	0.004583	± 2.5	PASS		
	VN		-10	1.38	0.001934	± 2.5	PASS		
	VN		0	1.54	0.002158	± 2.5	PASS		
	VN		10	1.49	0.002088	± 2.5	PASS		
	VN		20	0.09	0.000126	± 2.5	PASS		
	VN		30	-0.81	-0.001135	± 2.5	PASS		
	VN		40	1.04	0.001458	± 2.5	PASS		

		VN	50	-0.9	-0.001261	± 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	-0.28	-0.000395	± 2.5	PASS
		VN	TN	0.12	0.000169	± 2.5	PASS
		VH	TN	-0.4	-0.000564	± 2.5	PASS
	MCH	VL	TN	-0.2	-0.000282	± 2.5	PASS
		VN	TN	2.89	0.004070	± 2.5	PASS
		VH	TN	4.7	0.006620	± 2.5	PASS
	HCH	VL	TN	3.07	0.004318	± 2.5	PASS
		VN	TN	0.51	0.000717	± 2.5	PASS
		VH	TN	-1.12	-0.001575	± 2.5	PASS
16QAM	LCH	VL	TN	3.55	0.005007	± 2.5	PASS
		VN	TN	0.12	0.000169	± 2.5	PASS
		VH	TN	3.68	0.005190	± 2.5	PASS
	MCH	VL	TN	-1.75	-0.002465	± 2.5	PASS
		VN	TN	-1.43	-0.002014	± 2.5	PASS
		VH	TN	-0.05	-0.000070	± 2.5	PASS
	HCH	VL	TN	4.94	0.006948	± 2.5	PASS
		VN	TN	-0.97	-0.001364	± 2.5	PASS
		VH	TN	3.25	0.004571	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	1.42	0.002003	± 2.5	PASS
		VN	-20	4.81	0.006784	± 2.5	PASS
		VN	-10	3.63	0.005120	± 2.5	PASS
		VN	0	3.84	0.005416	± 2.5	PASS
		VN	10	2.42	0.003413	± 2.5	PASS
		VN	20	3.25	0.004584	± 2.5	PASS
		VN	30	4.38	0.006178	± 2.5	PASS
		VN	40	1.81	0.002553	± 2.5	PASS
		VN	50	-0.07	-0.000099	± 2.5	PASS
	MCH	VN	-30	1.29	0.001817	± 2.5	PASS
		VN	-20	-1.55	-0.002183	± 2.5	PASS
		VN	-10	-1.8	-0.002535	± 2.5	PASS
		VN	0	0.11	0.000155	± 2.5	PASS

		VN	10	1.06	0.001493	± 2.5	PASS
		VN	20	-1.41	-0.001986	± 2.5	PASS
		VN	30	3.76	0.005296	± 2.5	PASS
		VN	40	0.44	0.000620	± 2.5	PASS
		VN	50	3.32	0.004676	± 2.5	PASS
	HCH	VN	-30	3.88	0.005457	± 2.5	PASS
		VN	-20	1.11	0.001561	± 2.5	PASS
		VN	-10	3.24	0.004557	± 2.5	PASS
		VN	0	3.34	0.004698	± 2.5	PASS
		VN	10	4.79	0.006737	± 2.5	PASS
		VN	20	3.71	0.005218	± 2.5	PASS
		VN	30	-1.75	-0.002461	± 2.5	PASS
		VN	40	1.2	0.001688	± 2.5	PASS
		VN	50	3.78	0.005316	± 2.5	PASS
		QPSK	LCH	VN	-30	0.72	0.001014
VN	-20			2.74	0.003859	± 2.5	PASS
VN	-10			-1.66	-0.002338	± 2.5	PASS
VN	0			1.44	0.002028	± 2.5	PASS
VN	10			3.43	0.004831	± 2.5	PASS
VN	20			4.08	0.005746	± 2.5	PASS
VN	30			2.61	0.003676	± 2.5	PASS
VN	40			2.23	0.003141	± 2.5	PASS
VN	50			0.47	0.000662	± 2.5	PASS
MCH	VN		-30	0.8	0.001125	± 2.5	PASS
	VN		-20	0.62	0.000872	± 2.5	PASS
	VN		-10	1.98	0.002785	± 2.5	PASS
	VN		0	4.09	0.005752	± 2.5	PASS
	VN		10	0.25	0.000352	± 2.5	PASS
	VN		20	-0.97	-0.001364	± 2.5	PASS
	VN		30	-0.73	-0.001027	± 2.5	PASS
	VN		40	1.15	0.001617	± 2.5	PASS
	VN		50	4.28	0.006020	± 2.5	PASS
HCH	VN		-30	-0.88	-0.001238	± 2.5	PASS
	VN		-20	3.68	0.005176	± 2.5	PASS
	VN		-10	0.64	0.000900	± 2.5	PASS
	VN		0	1.1	0.001547	± 2.5	PASS
	VN		10	4.67	0.006568	± 2.5	PASS
	VN		20	2.58	0.003629	± 2.5	PASS
	VN		30	0.42	0.000591	± 2.5	PASS
	VN		40	2.07	0.002911	± 2.5	PASS
	VN		50	4.52	0.006357	± 2.5	PASS