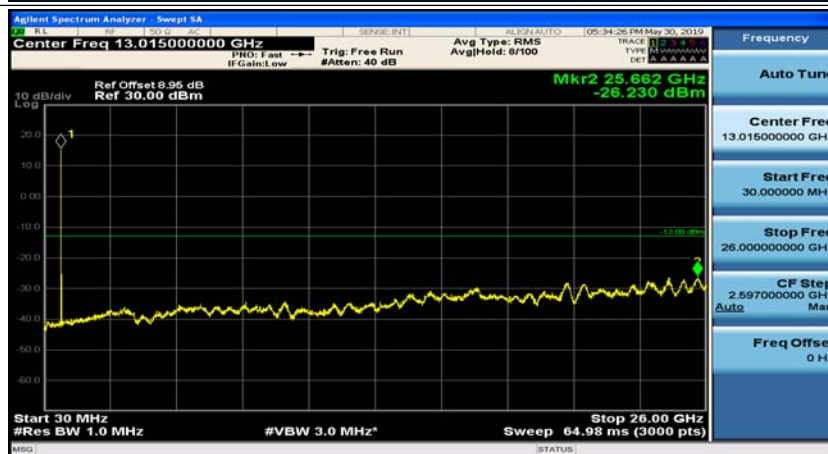
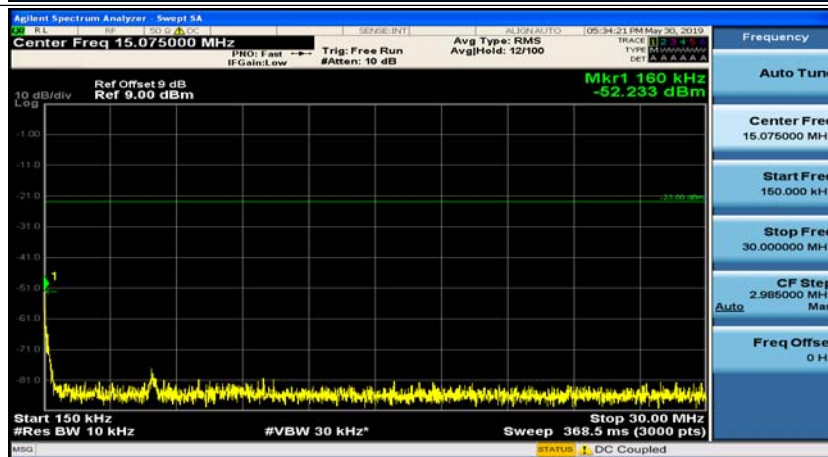
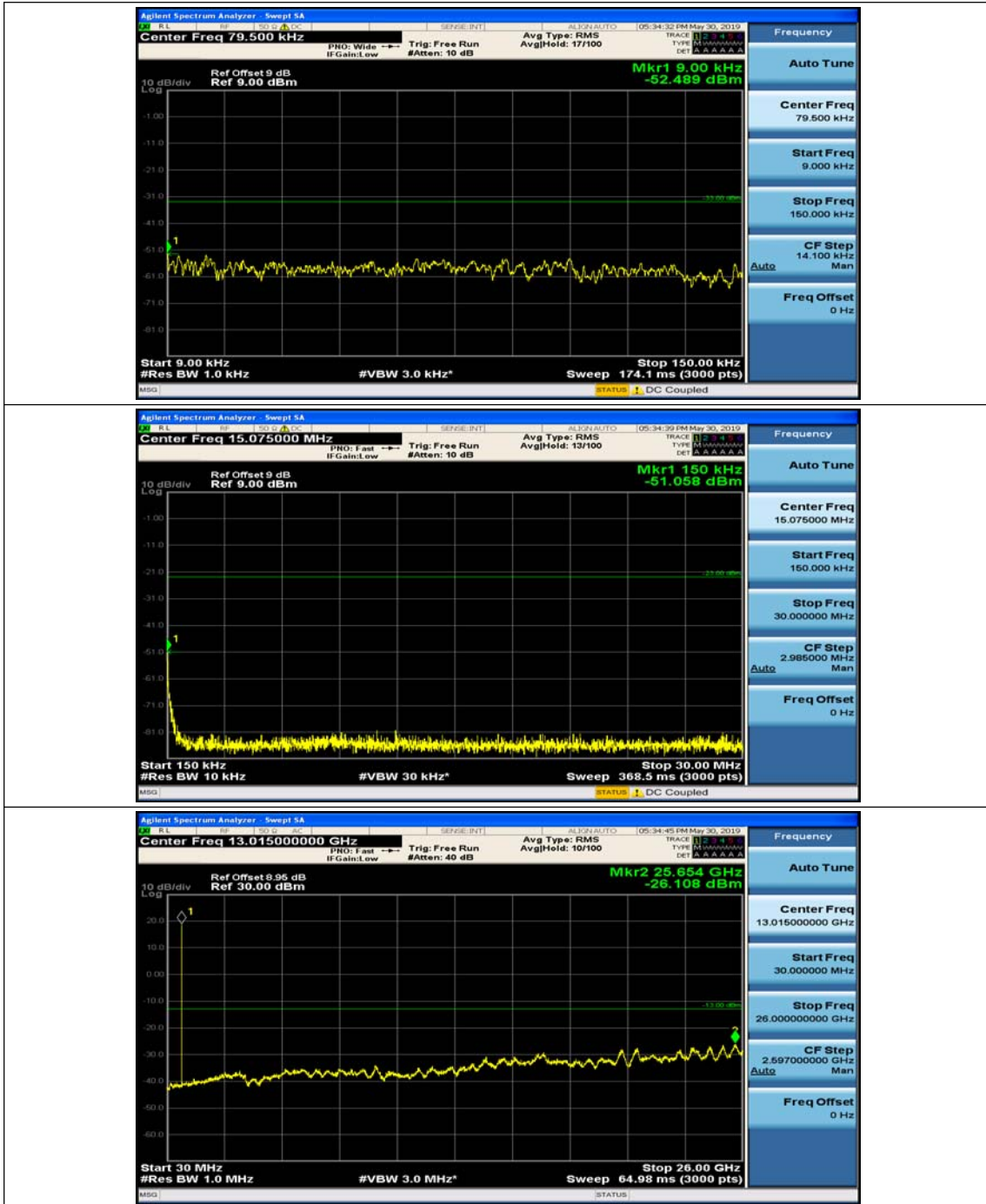


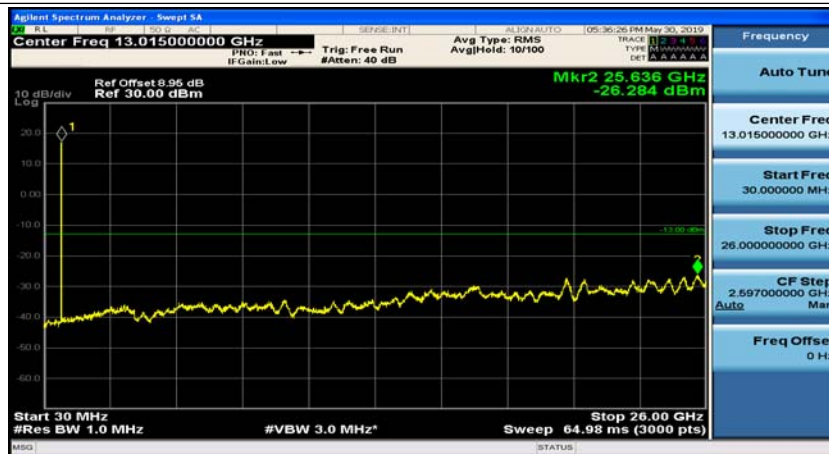
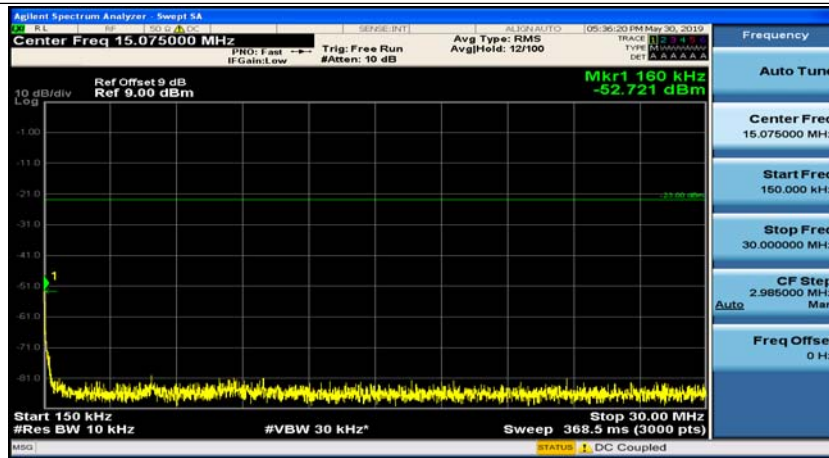
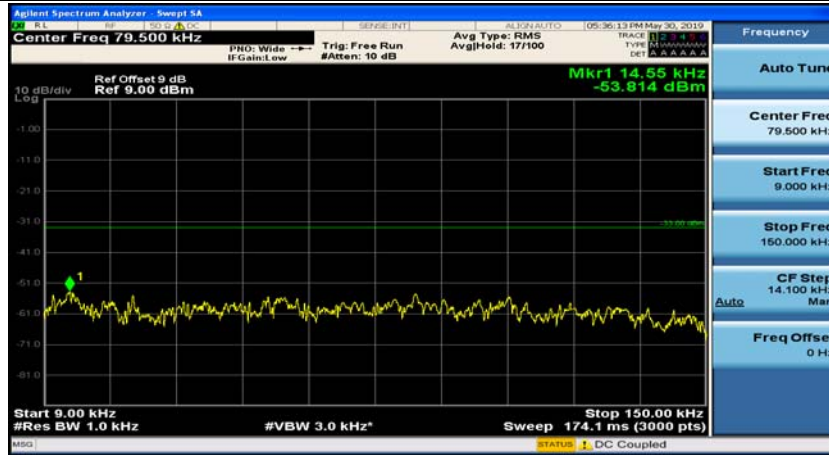
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



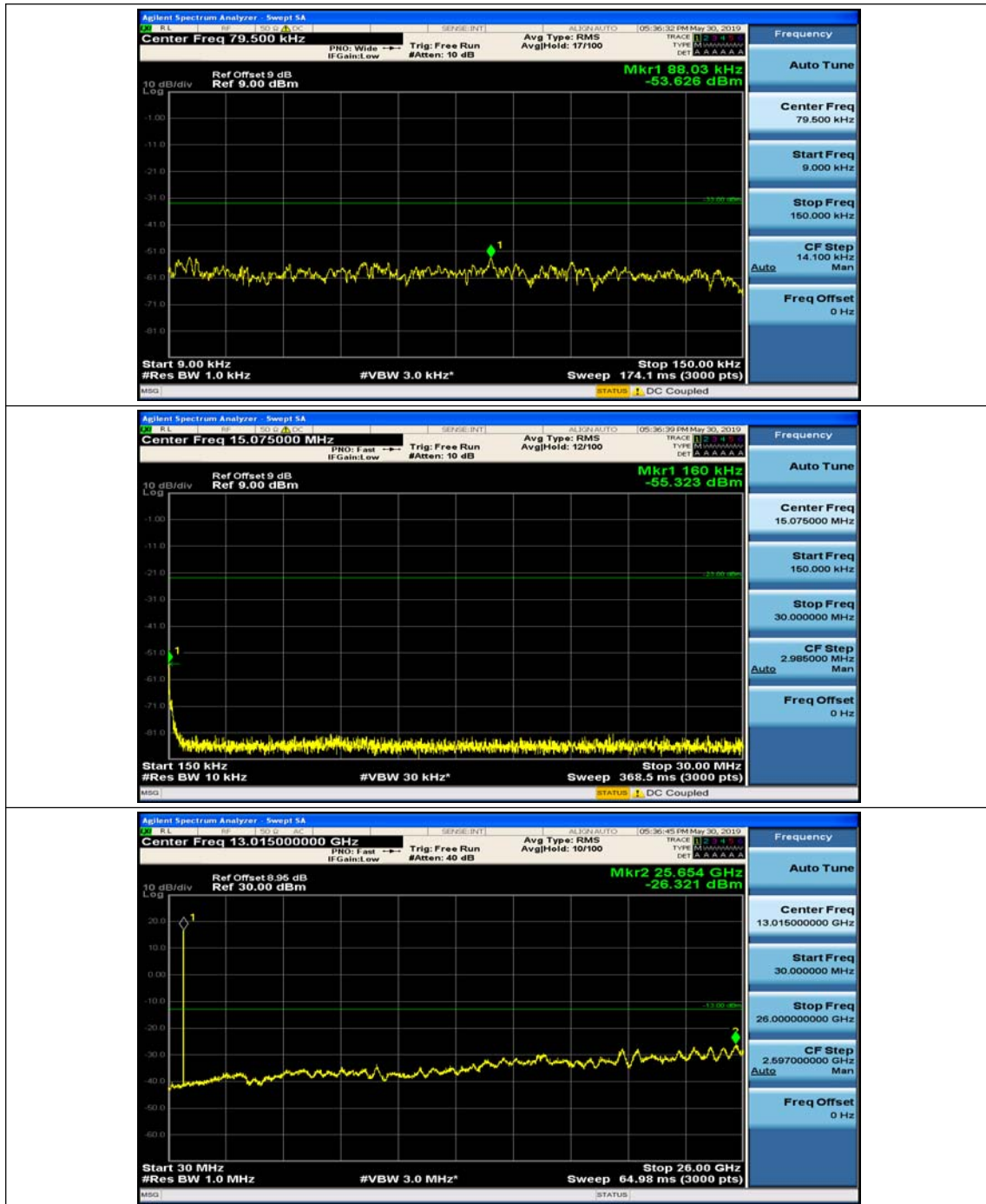
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



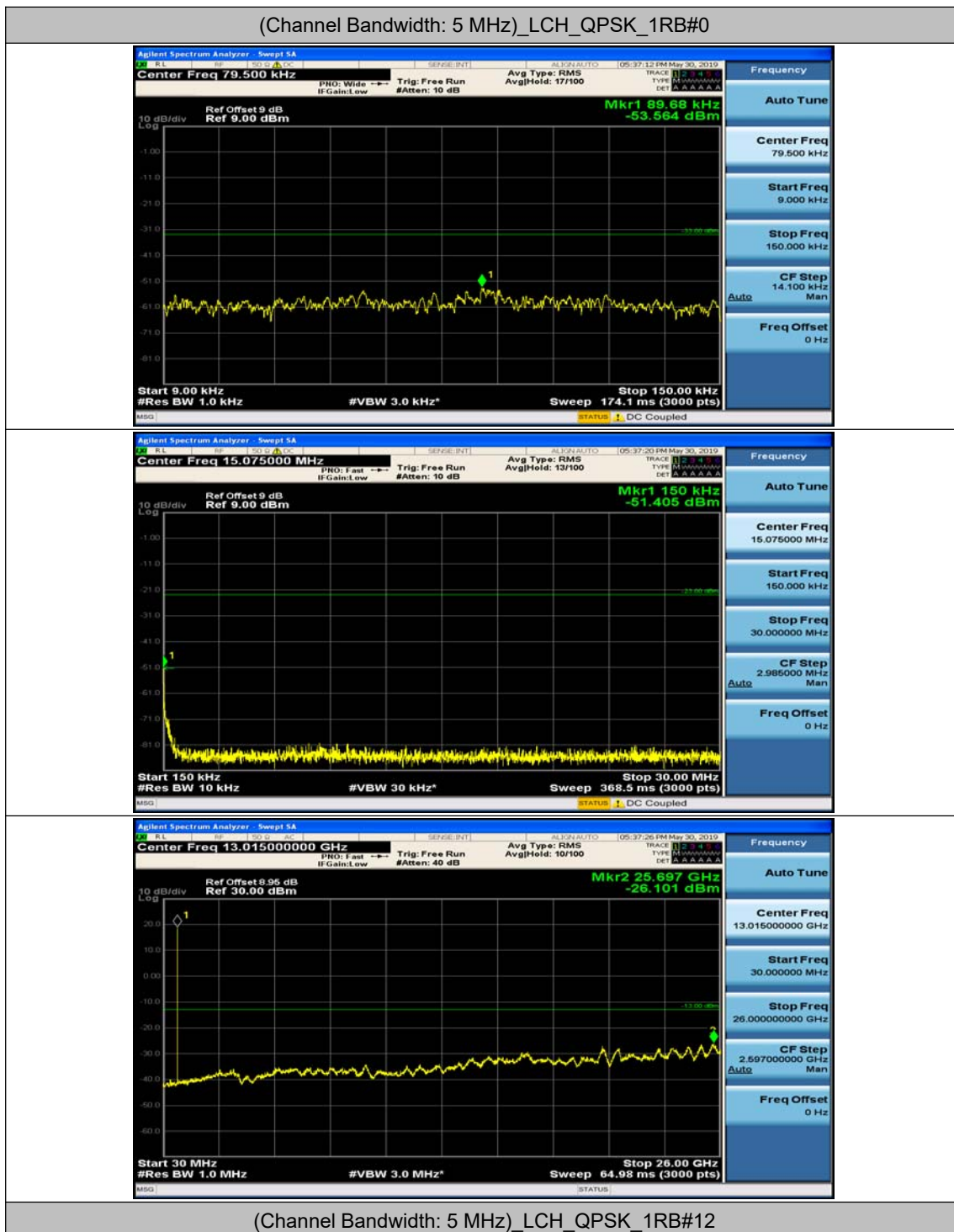
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

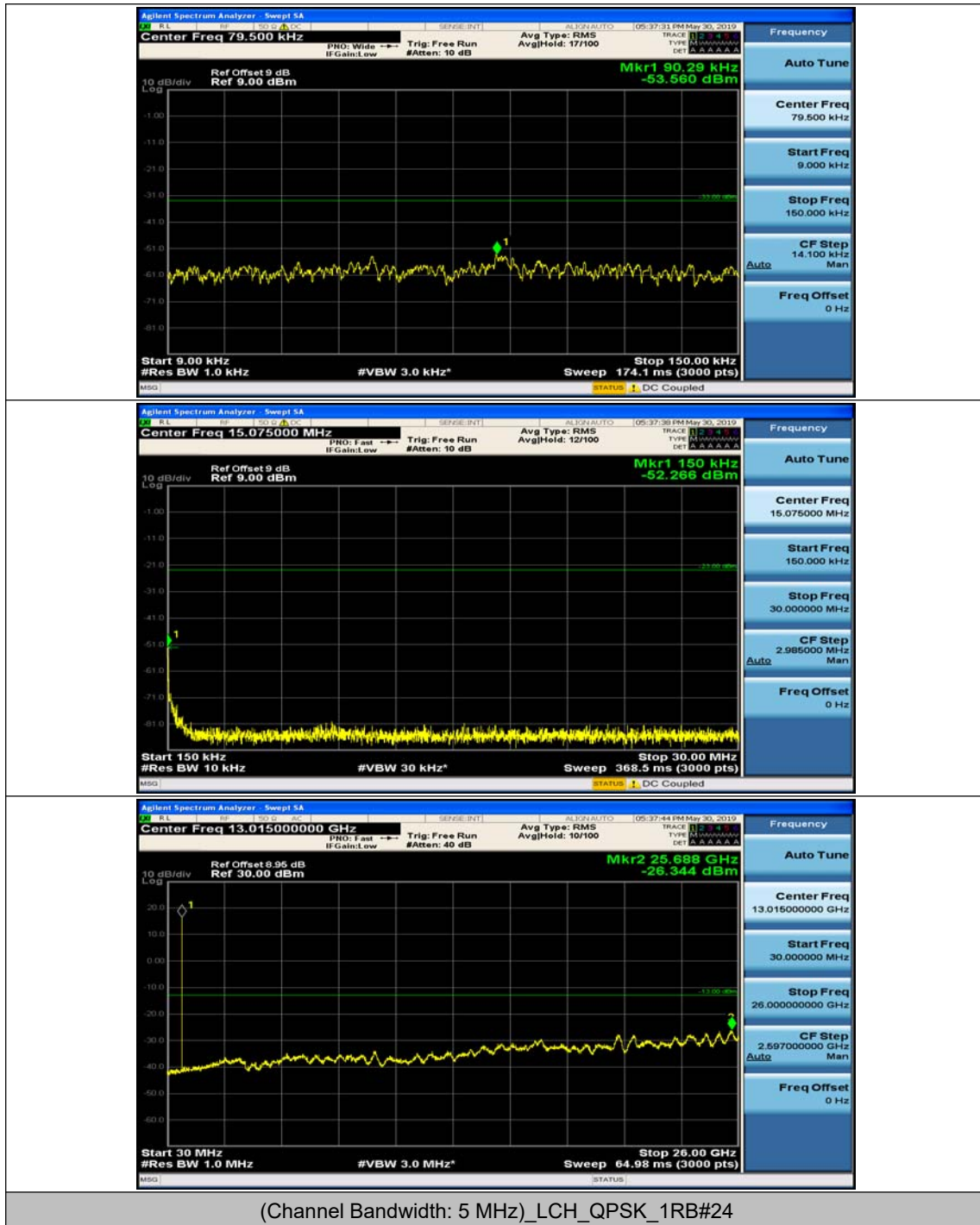


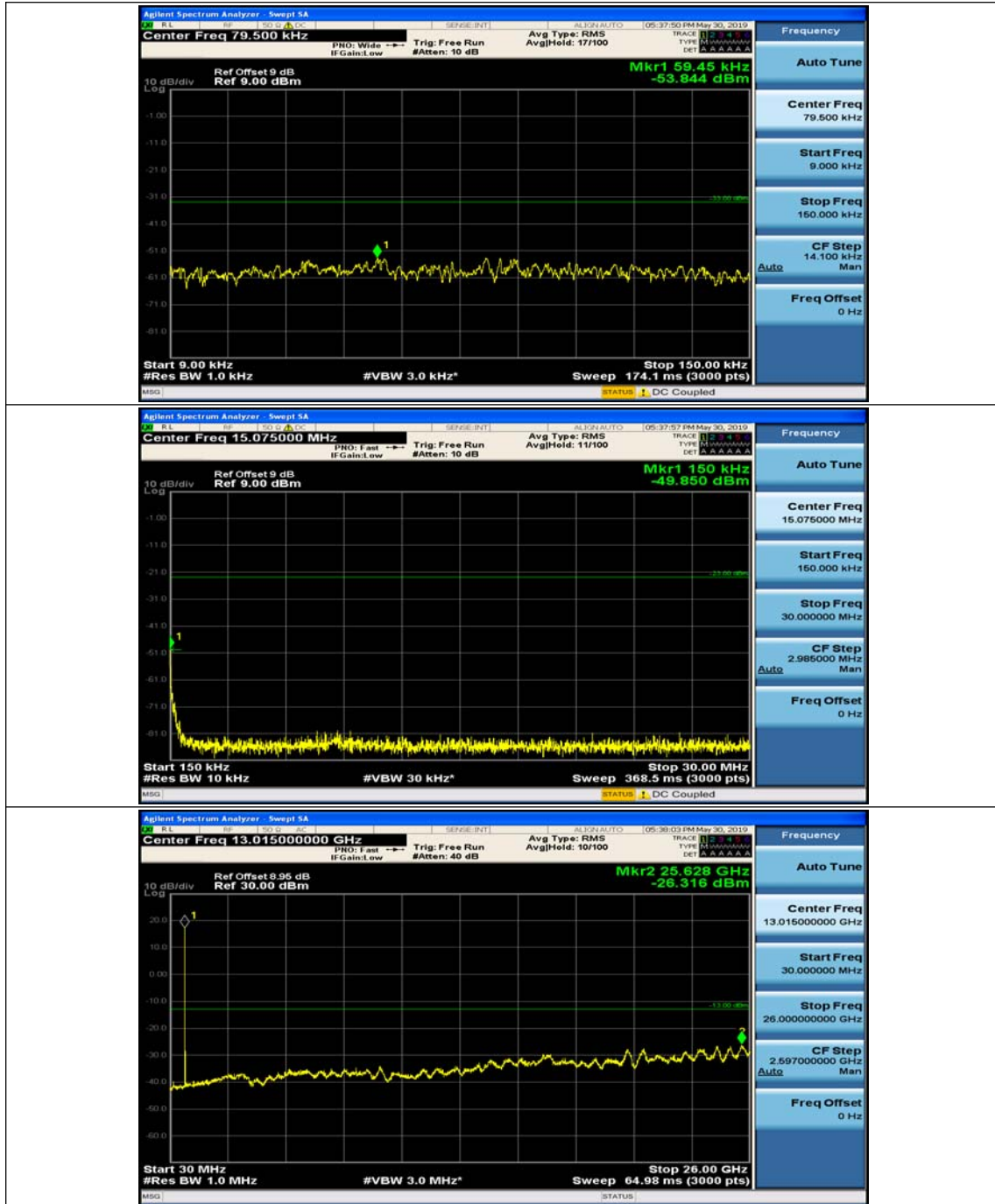
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



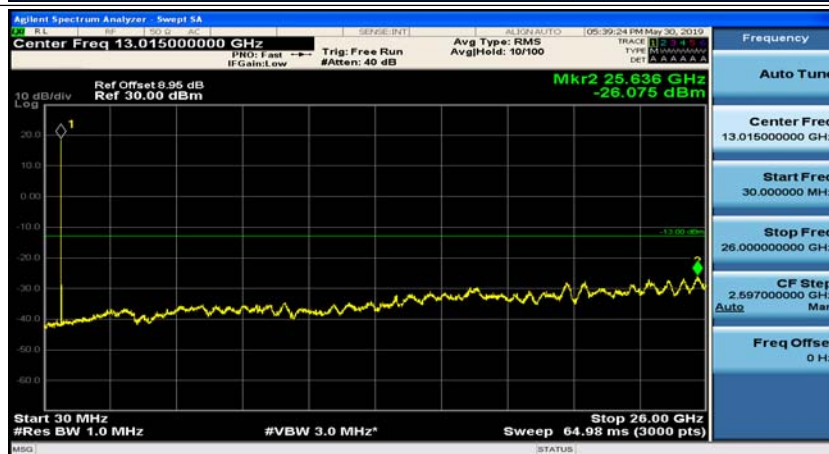
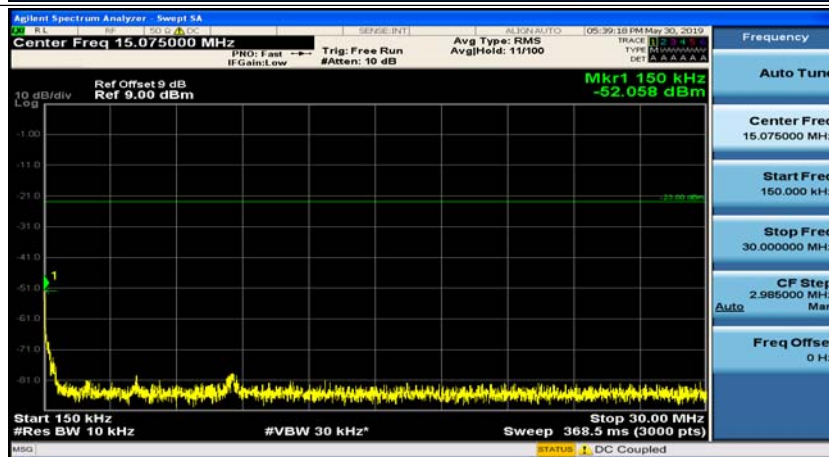
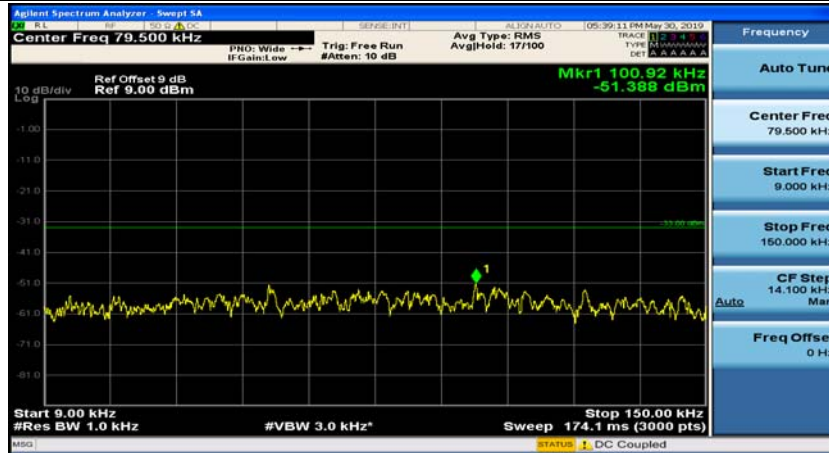
Channel Bandwidth: 5 MHz



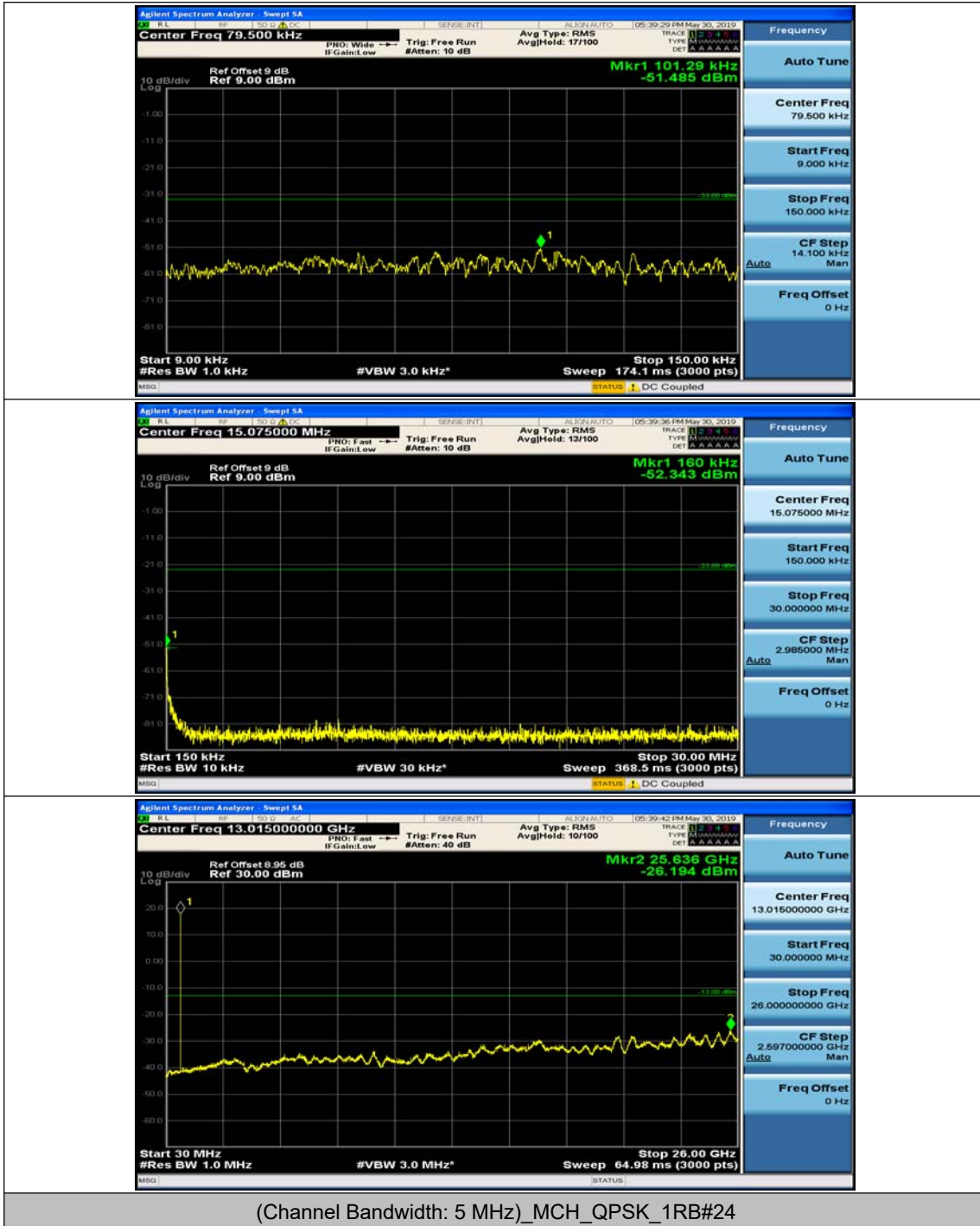


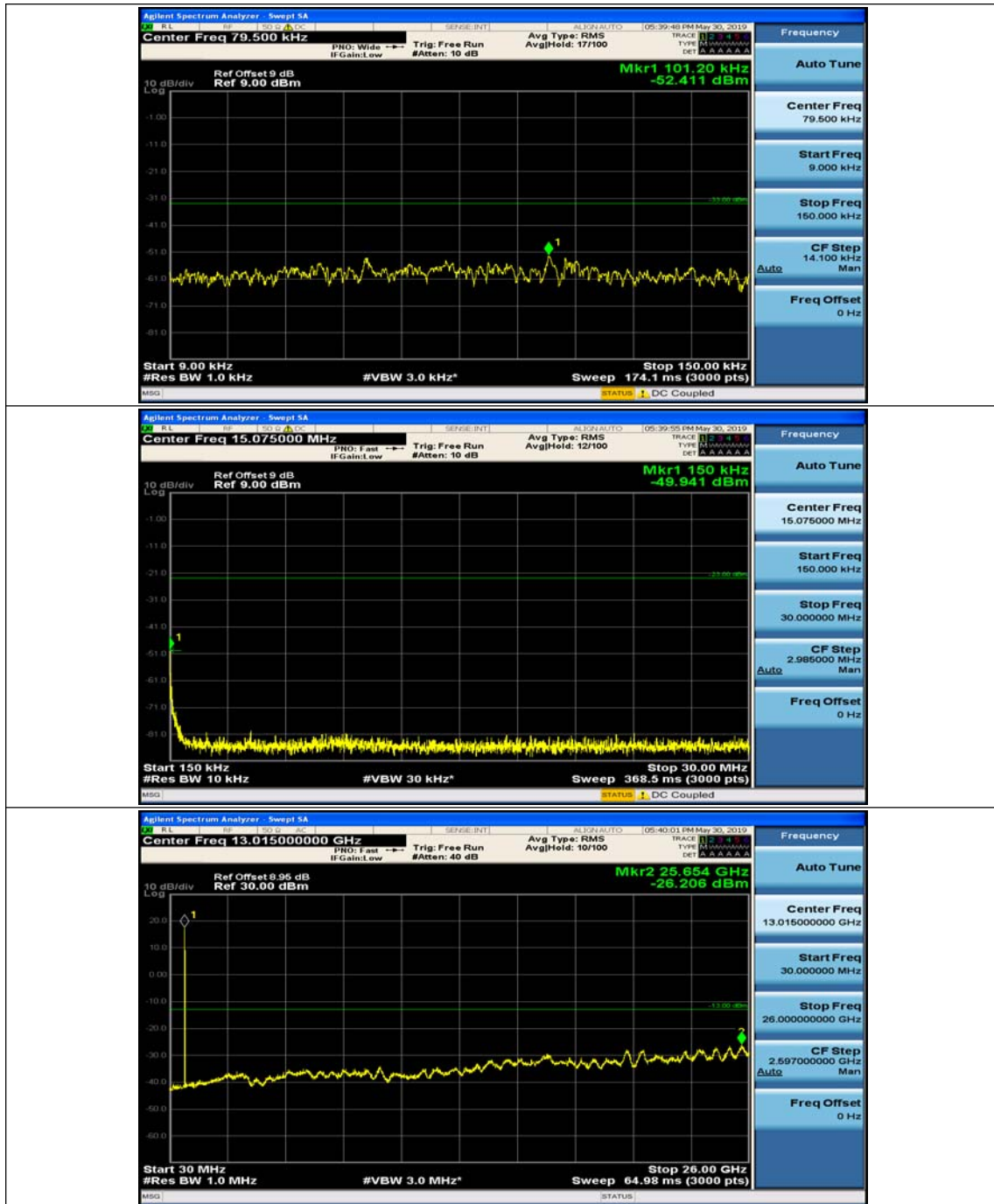


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

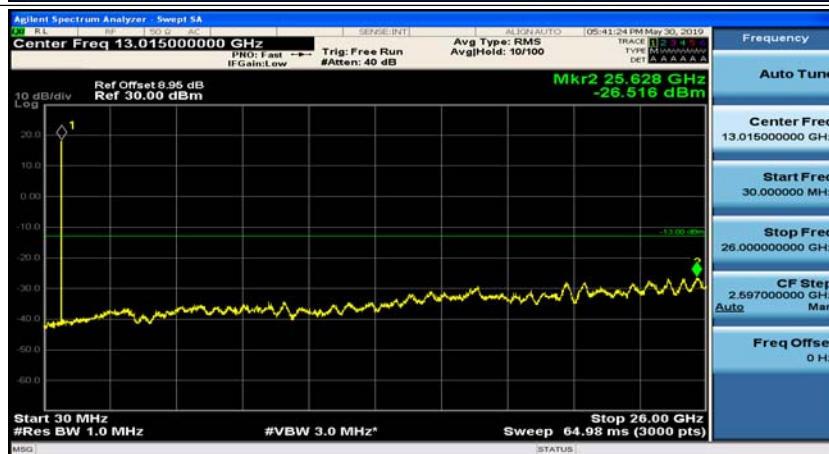
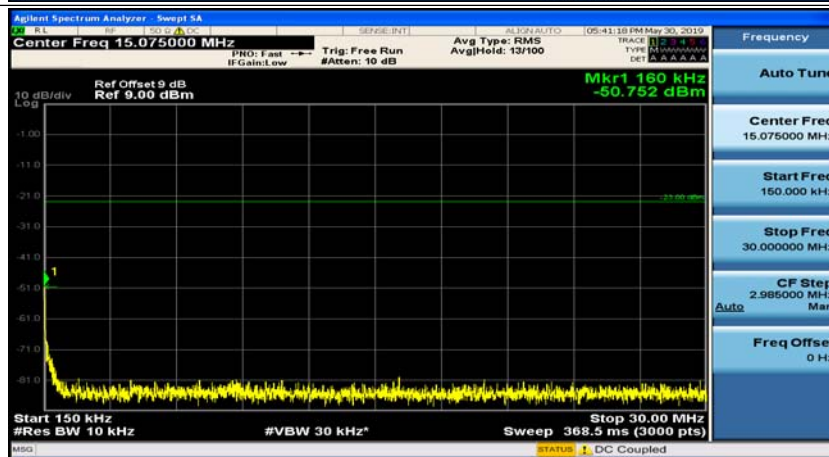
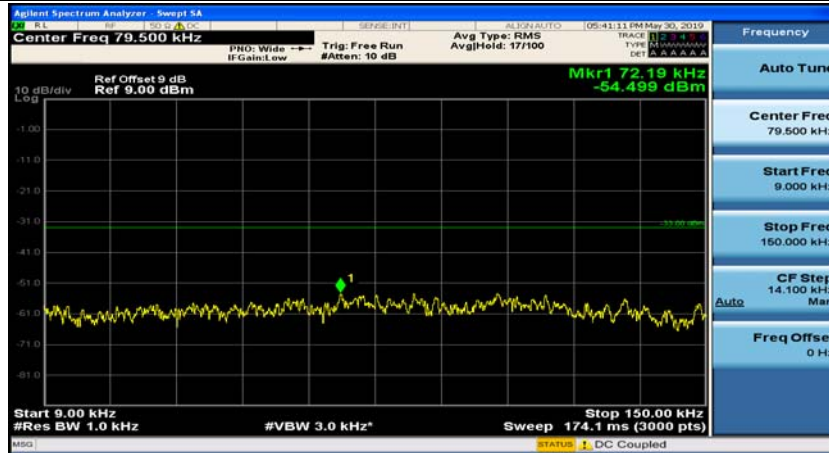


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

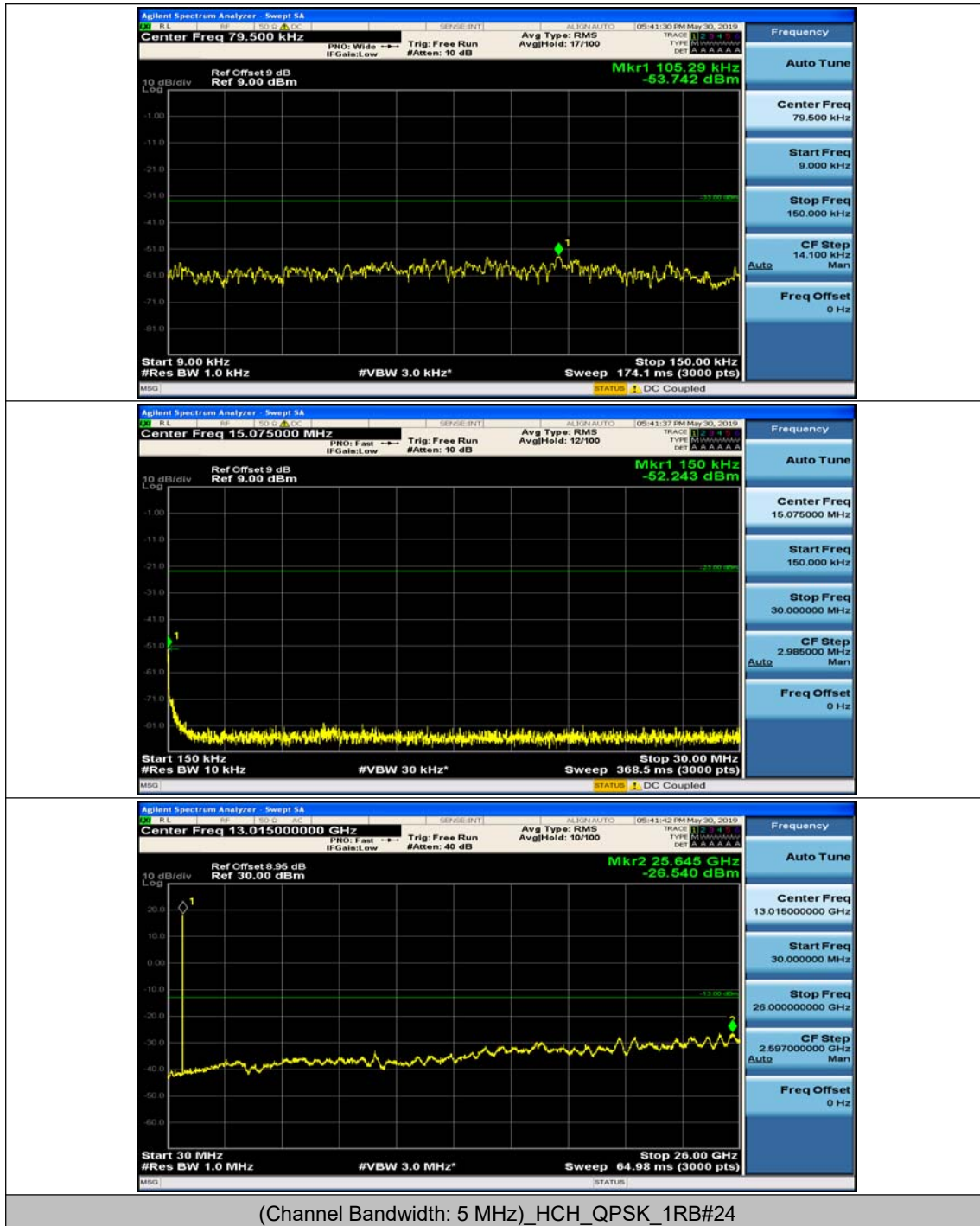


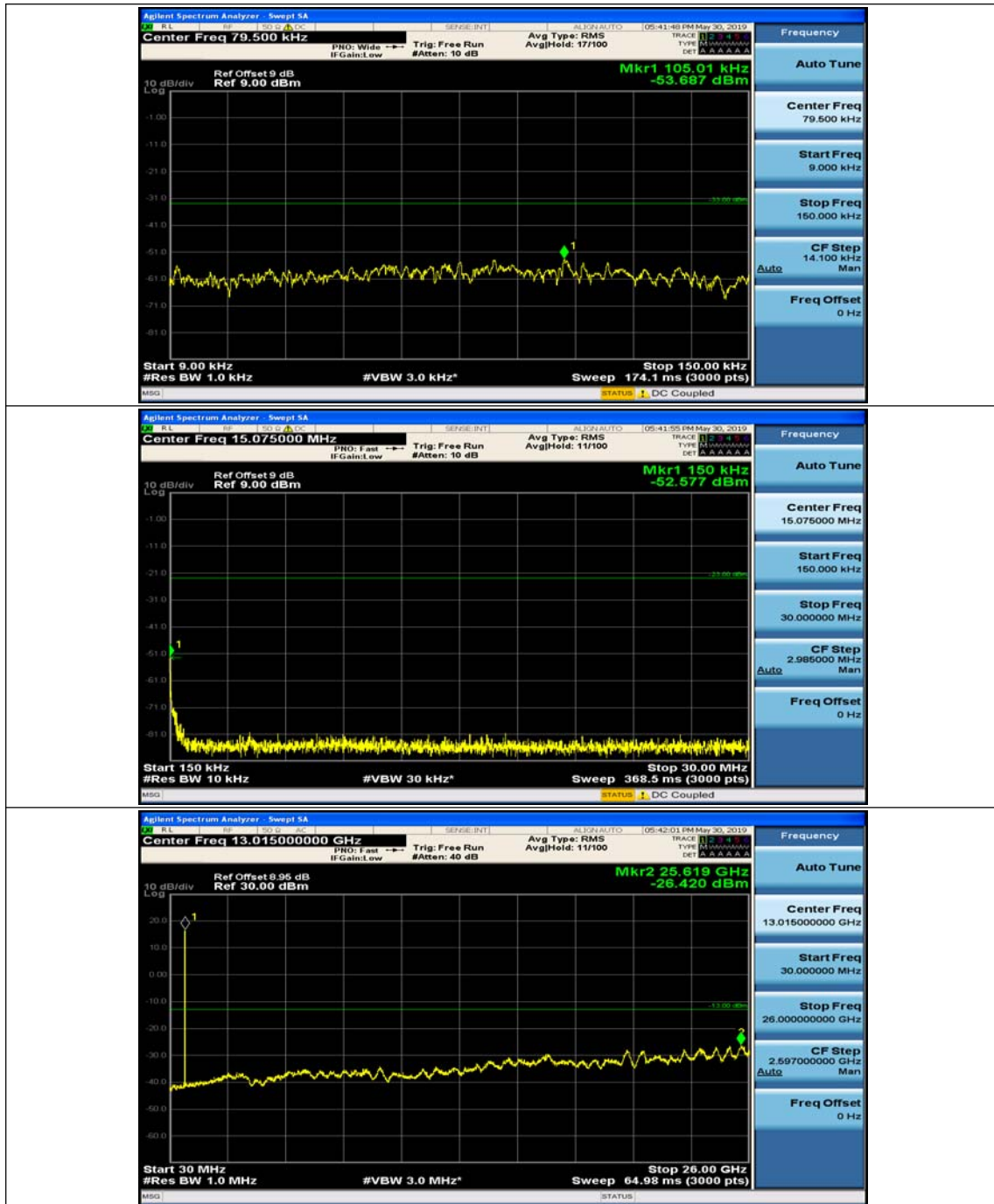


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

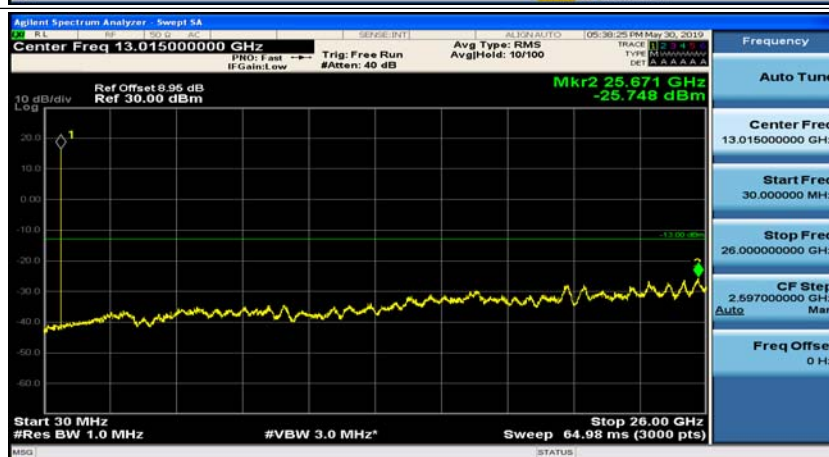
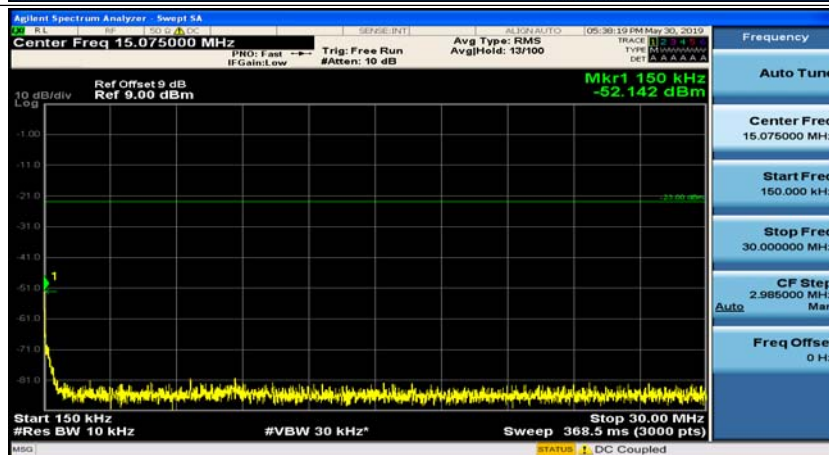
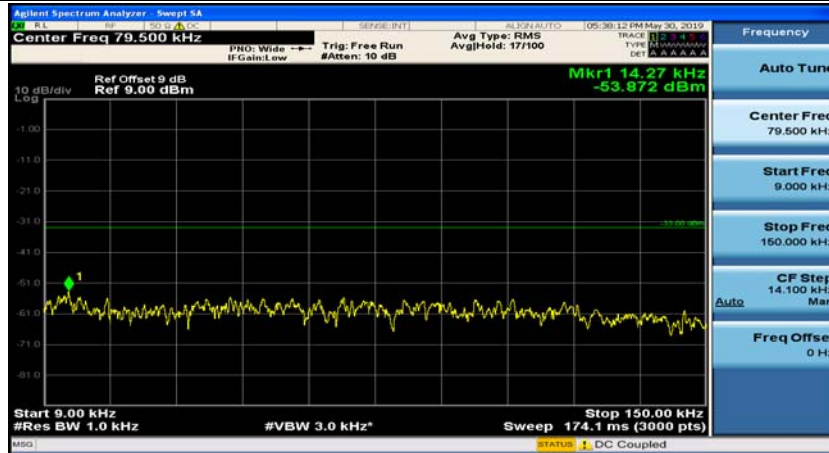


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

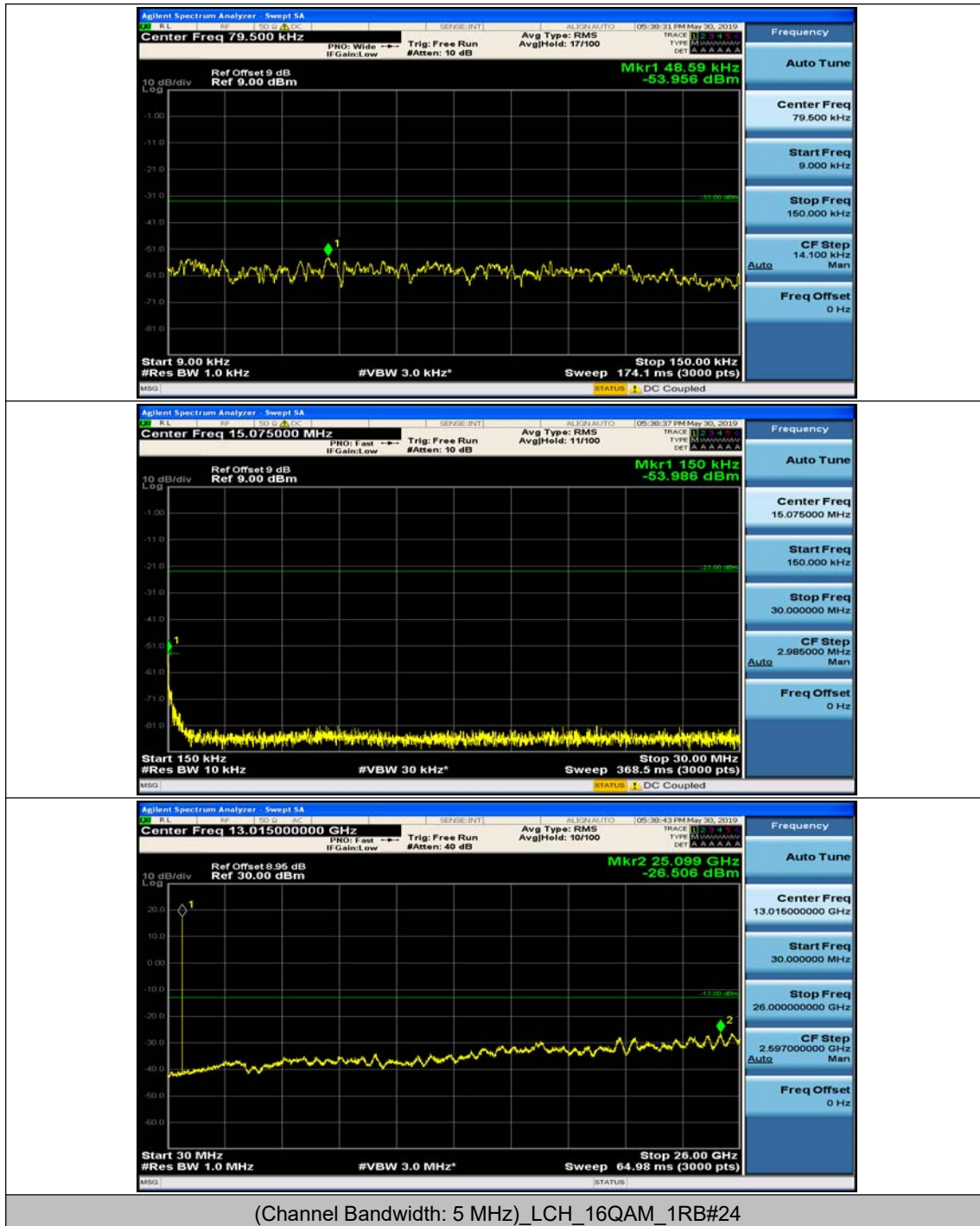


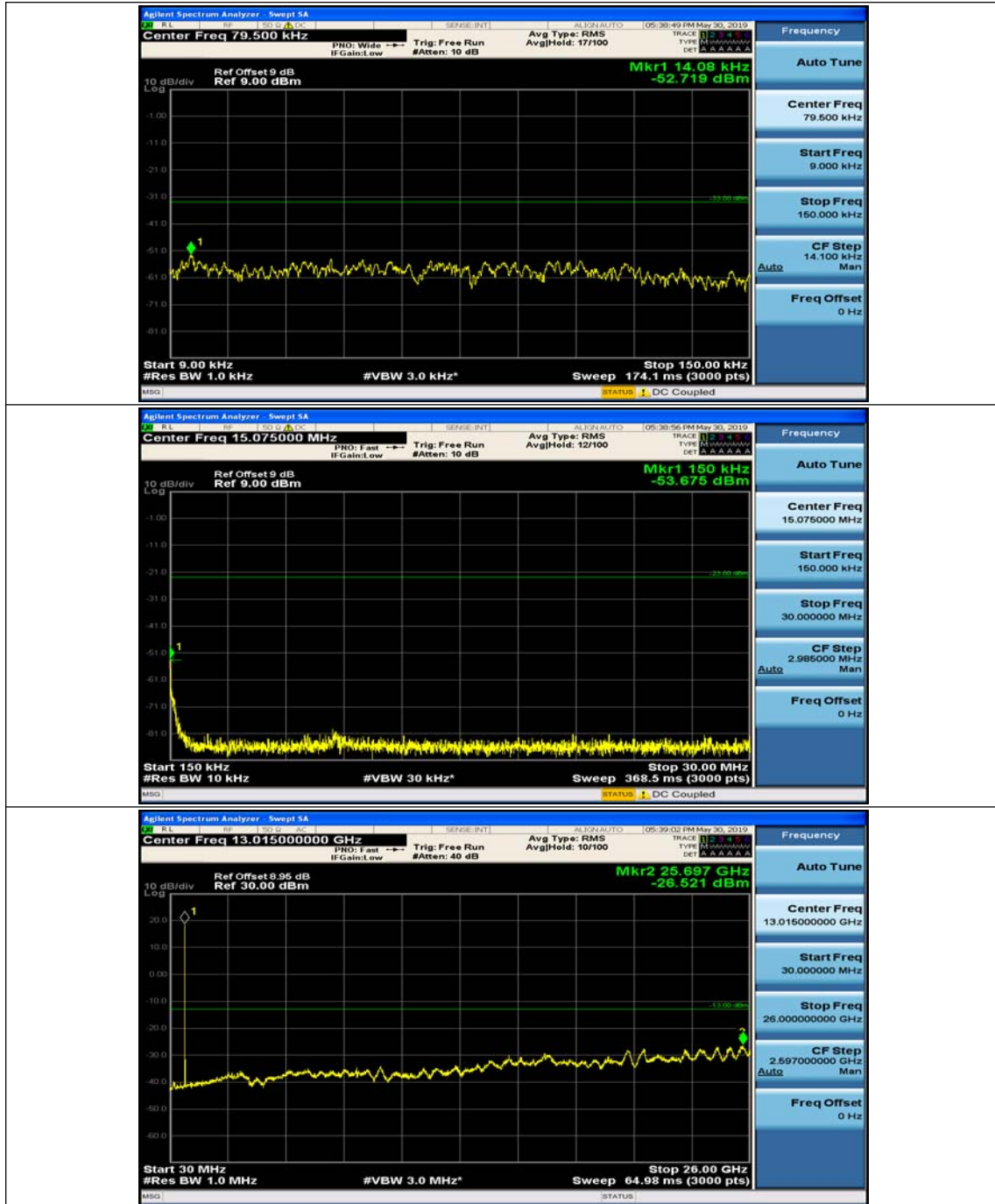


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

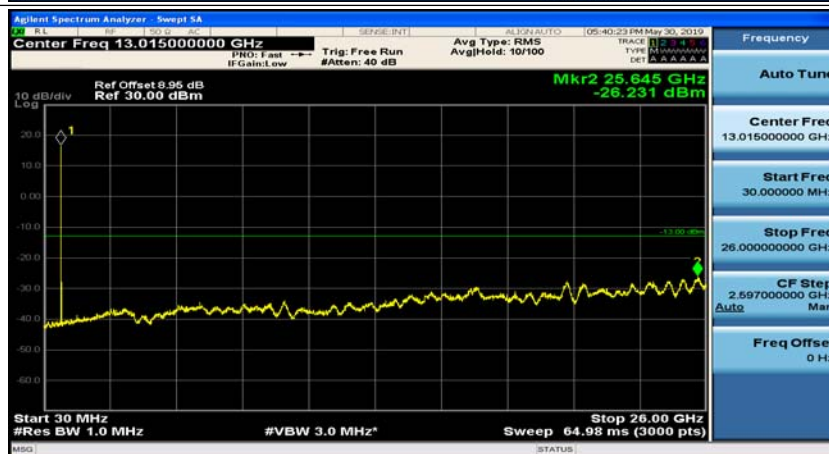
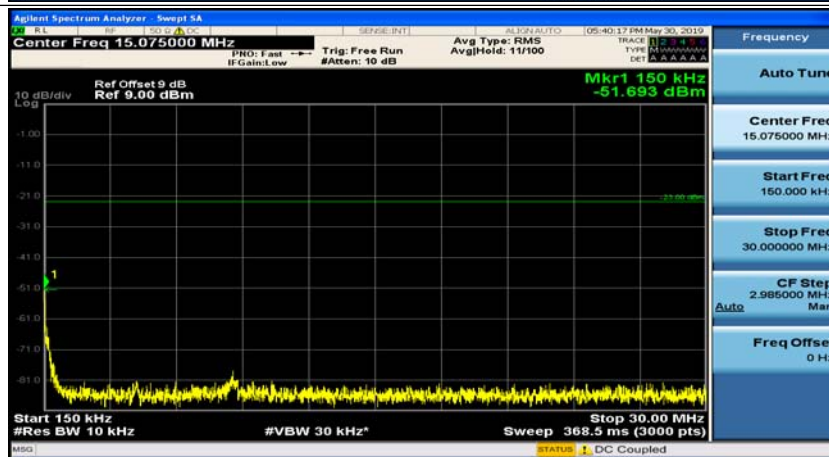
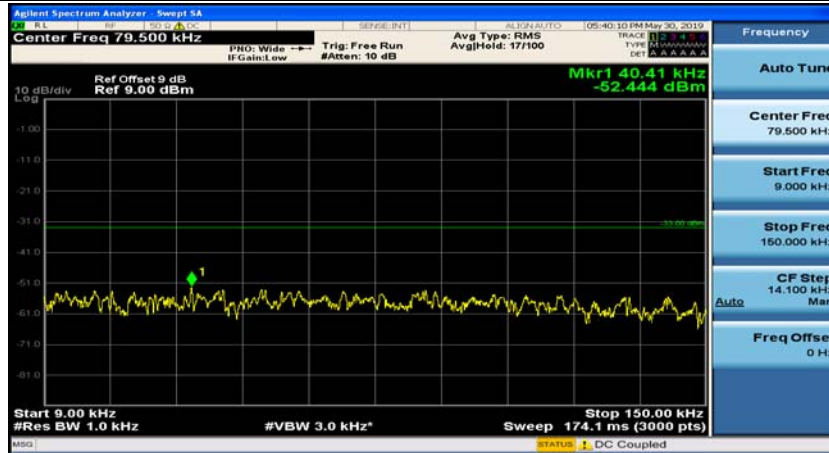


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

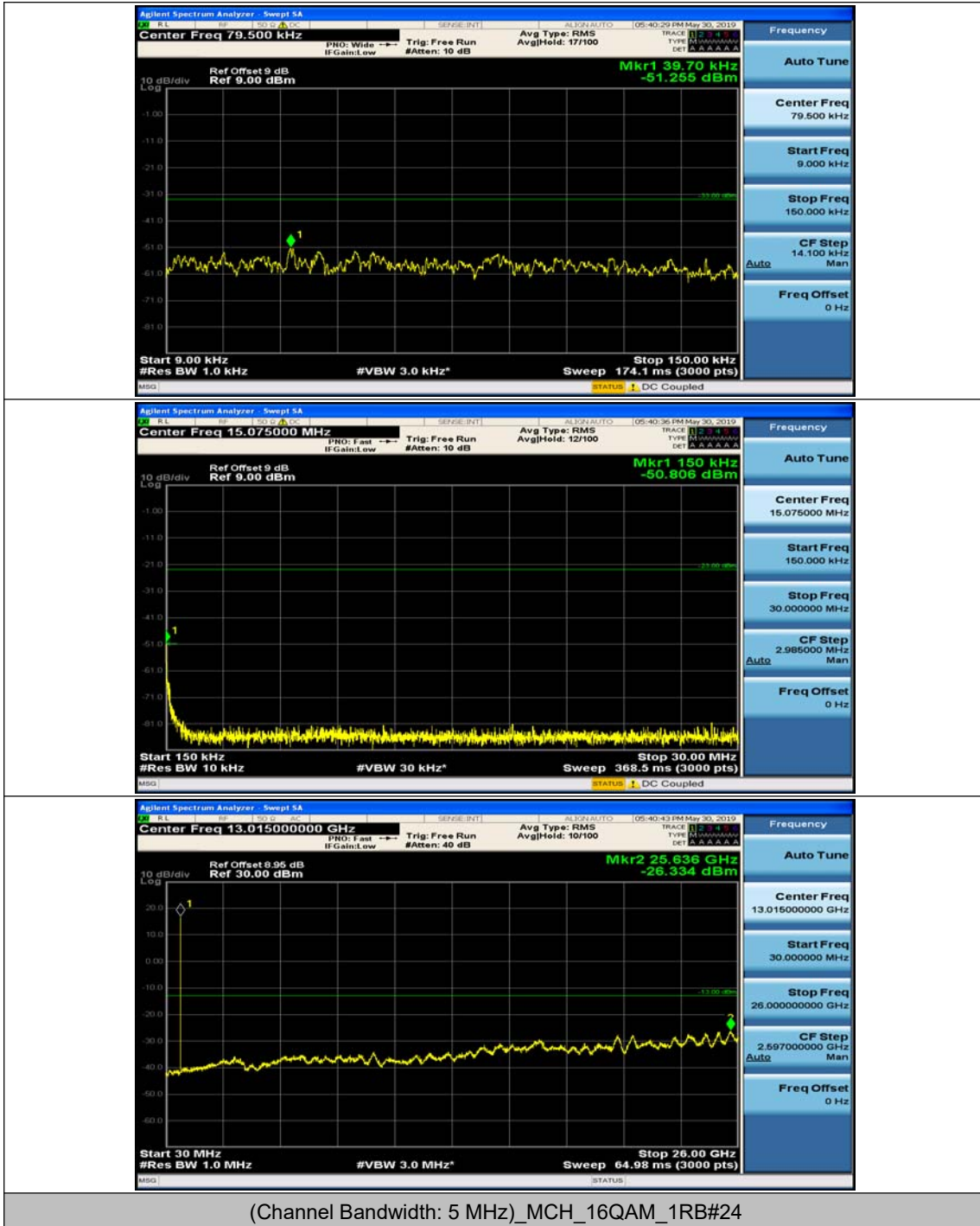


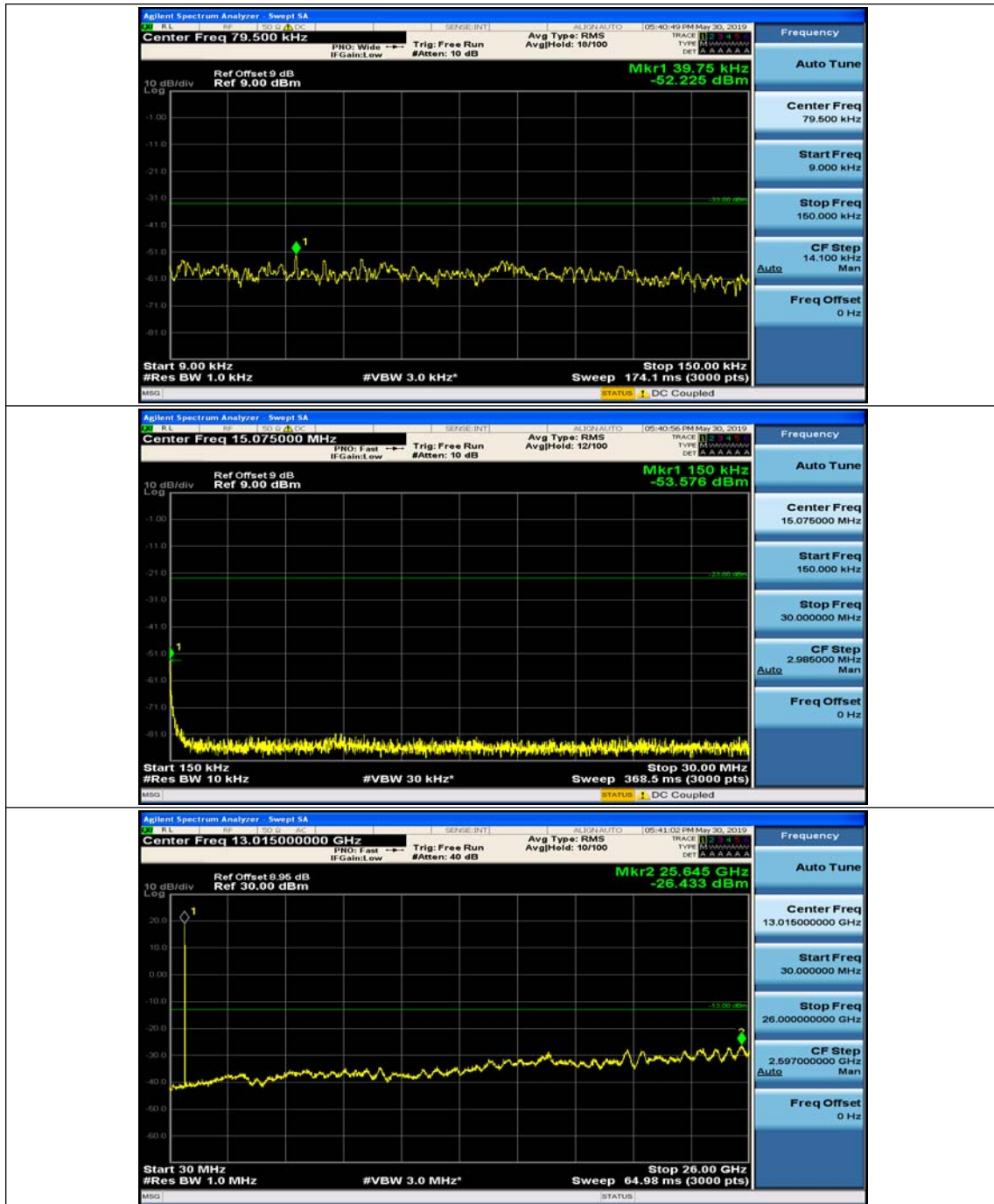


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

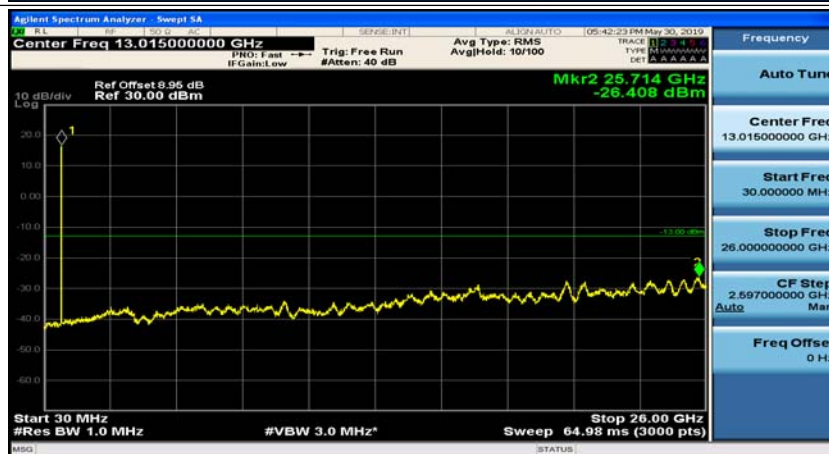
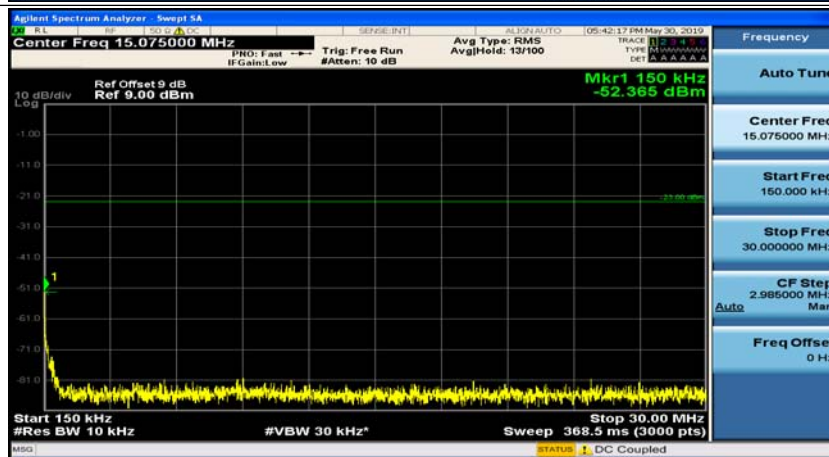


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

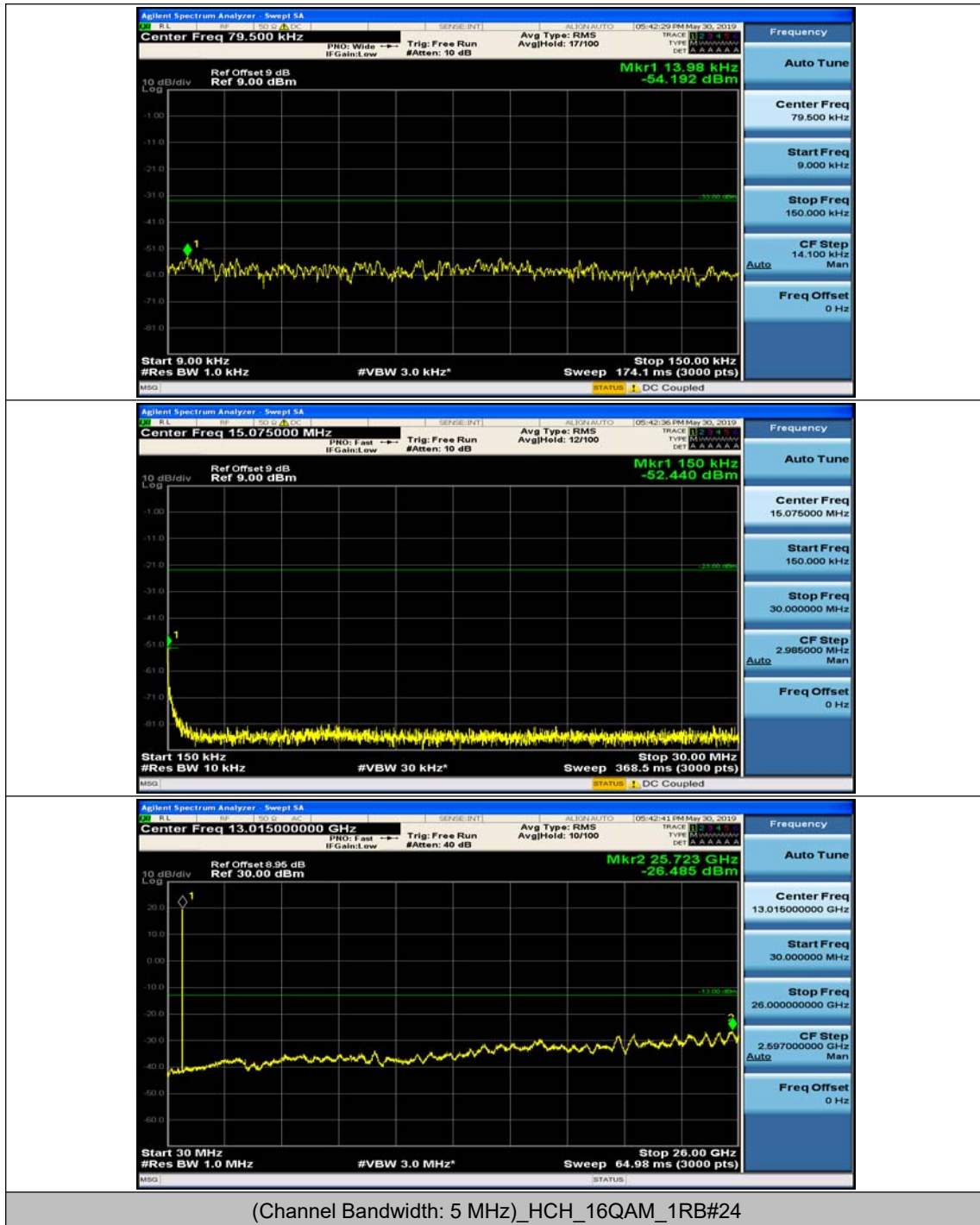


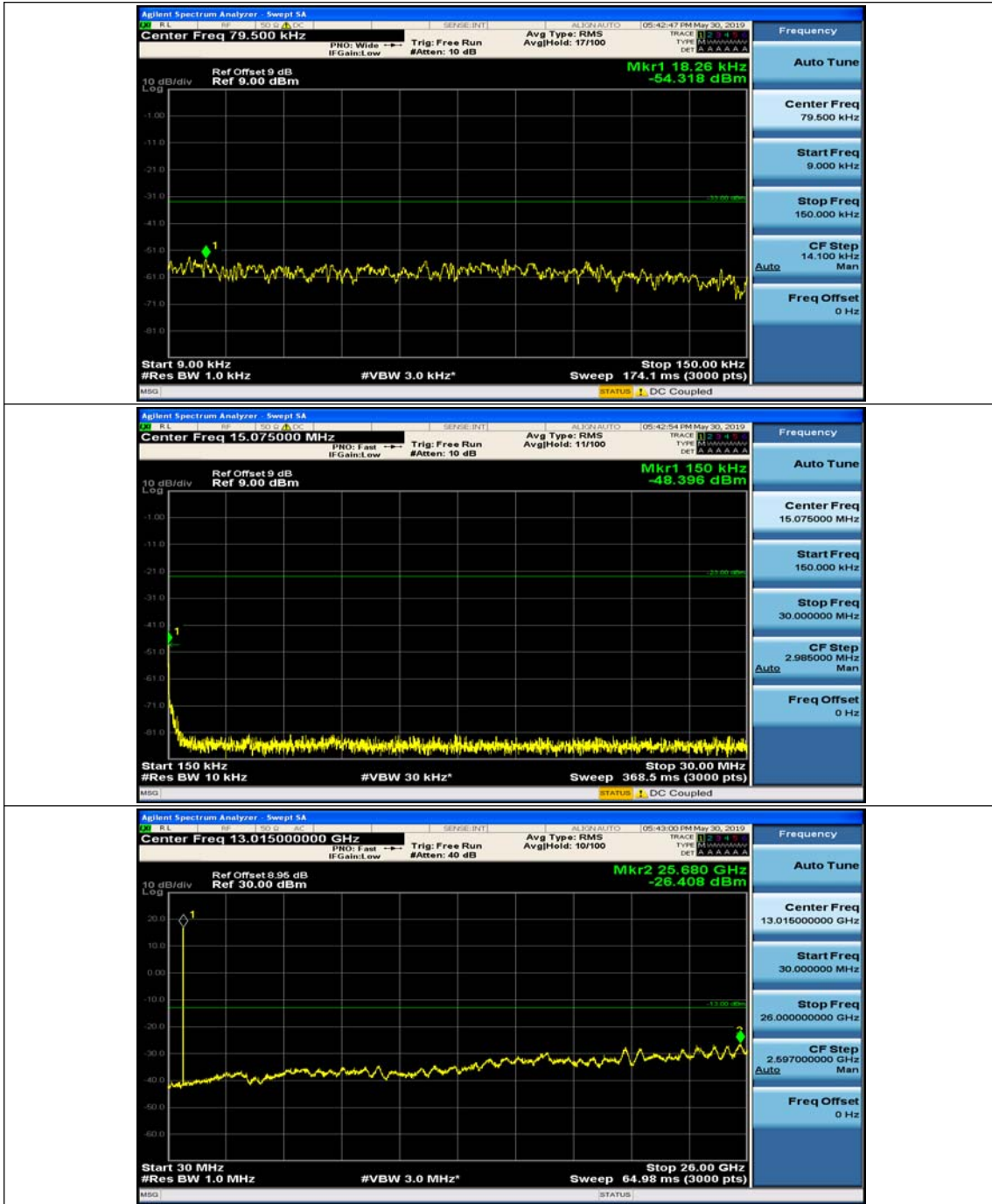


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

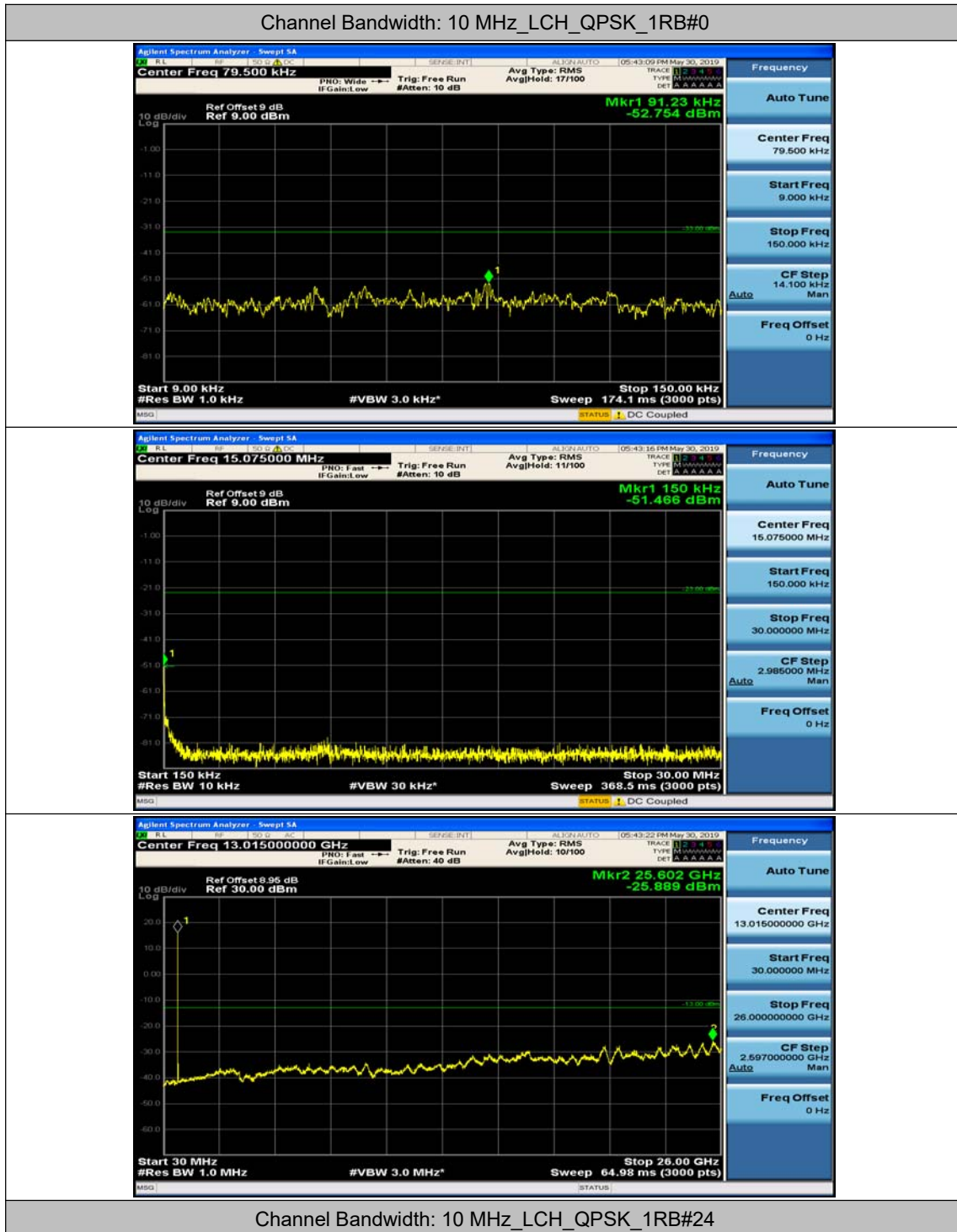


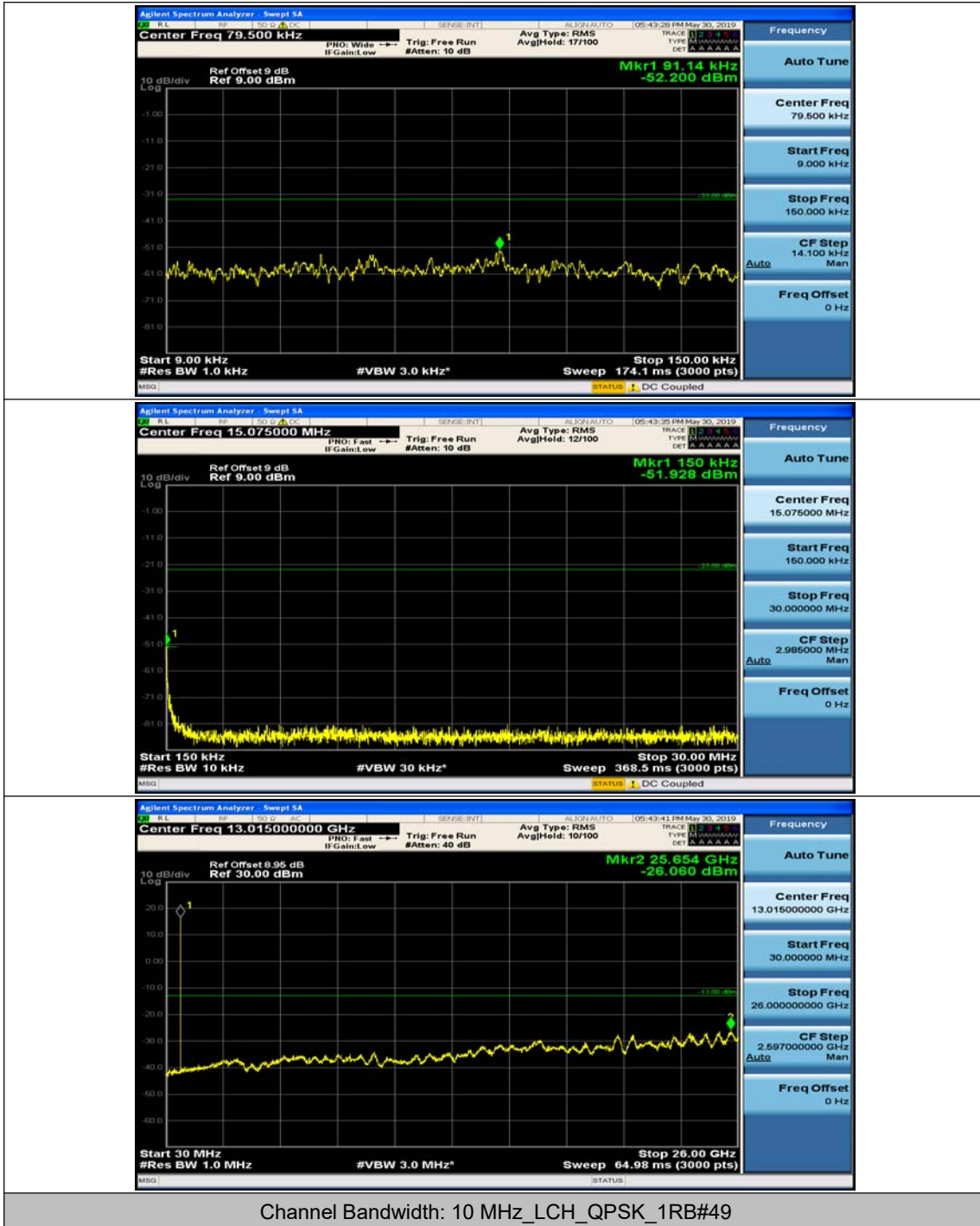
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

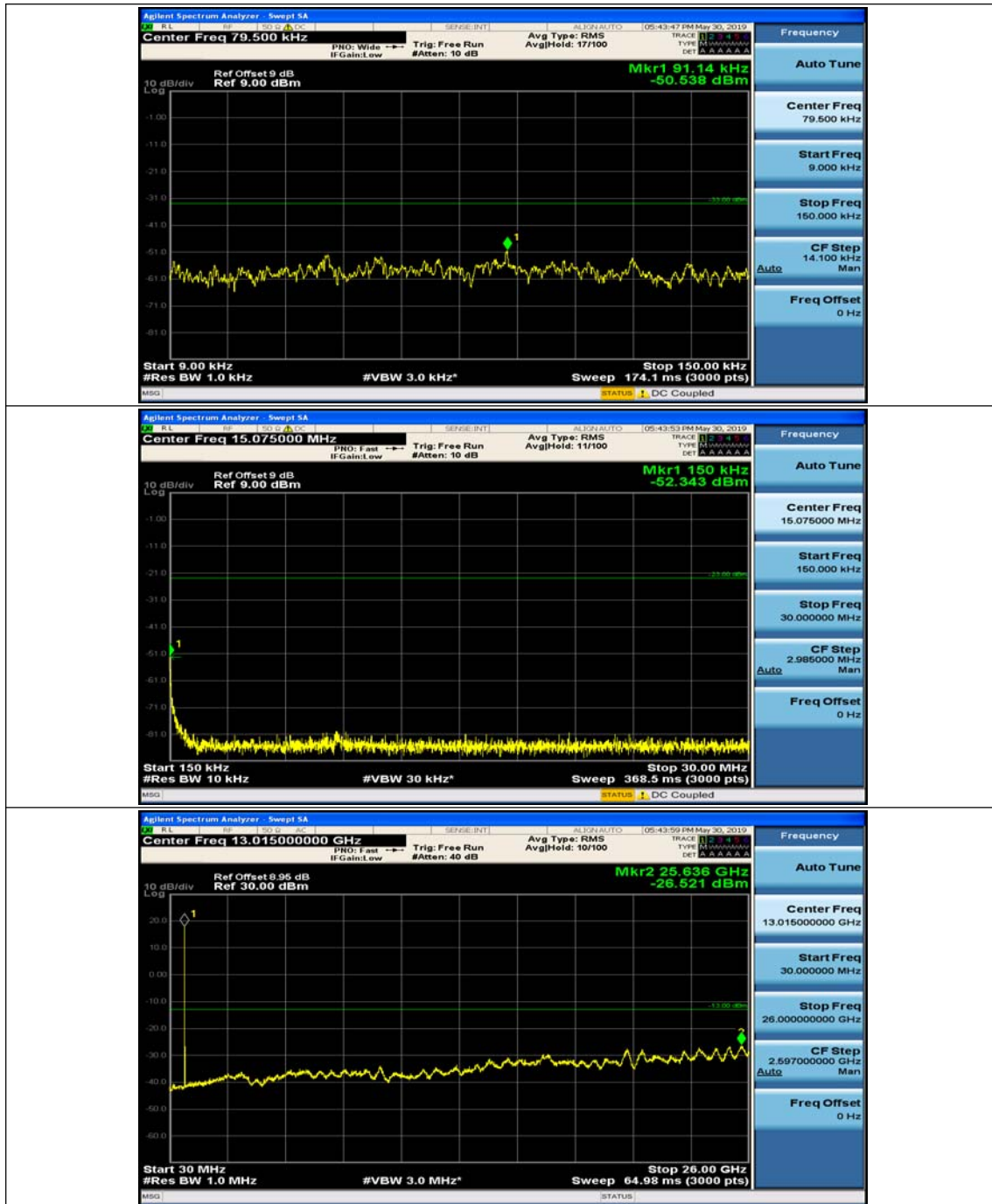




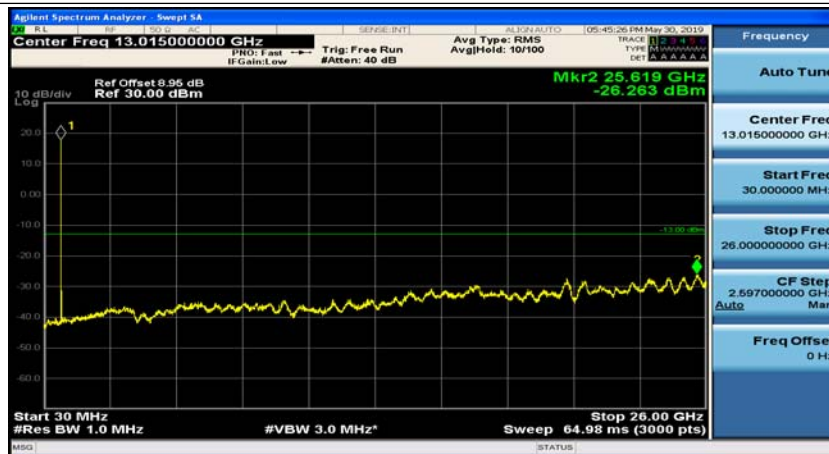
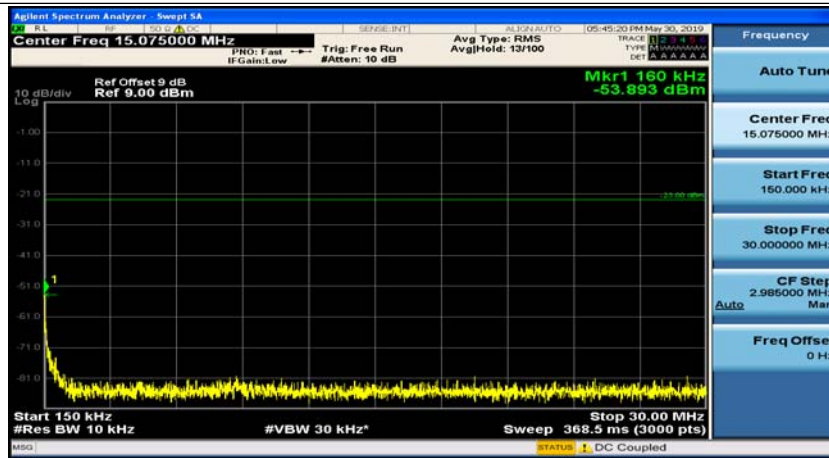
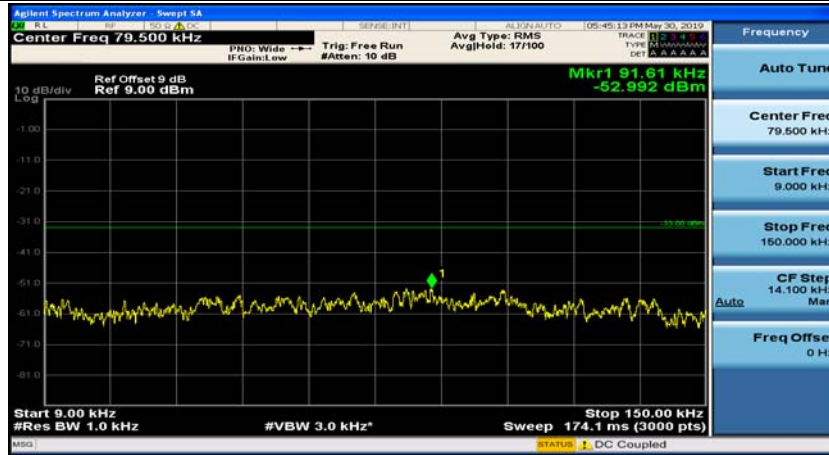
Channel Bandwidth: 10 MHz



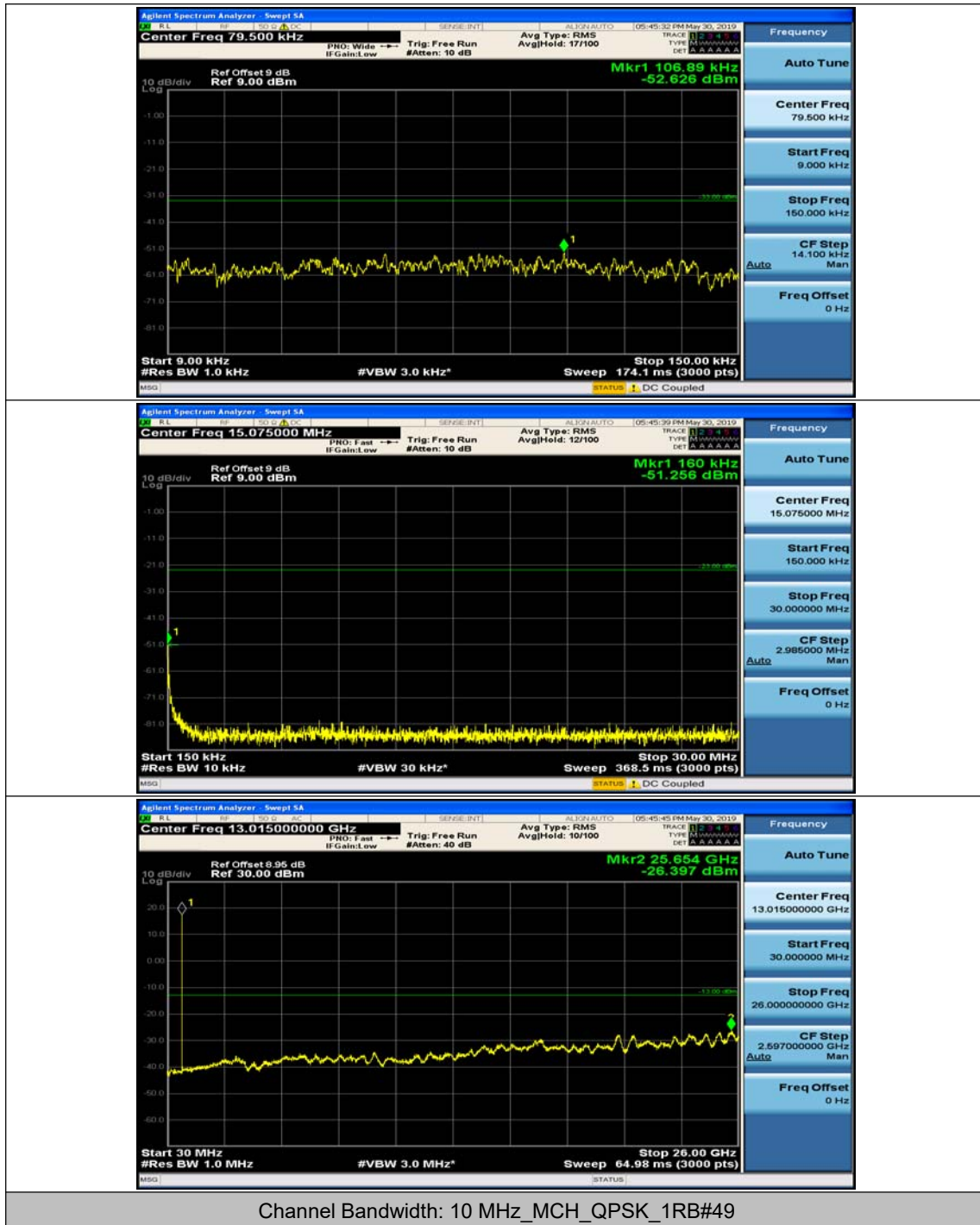


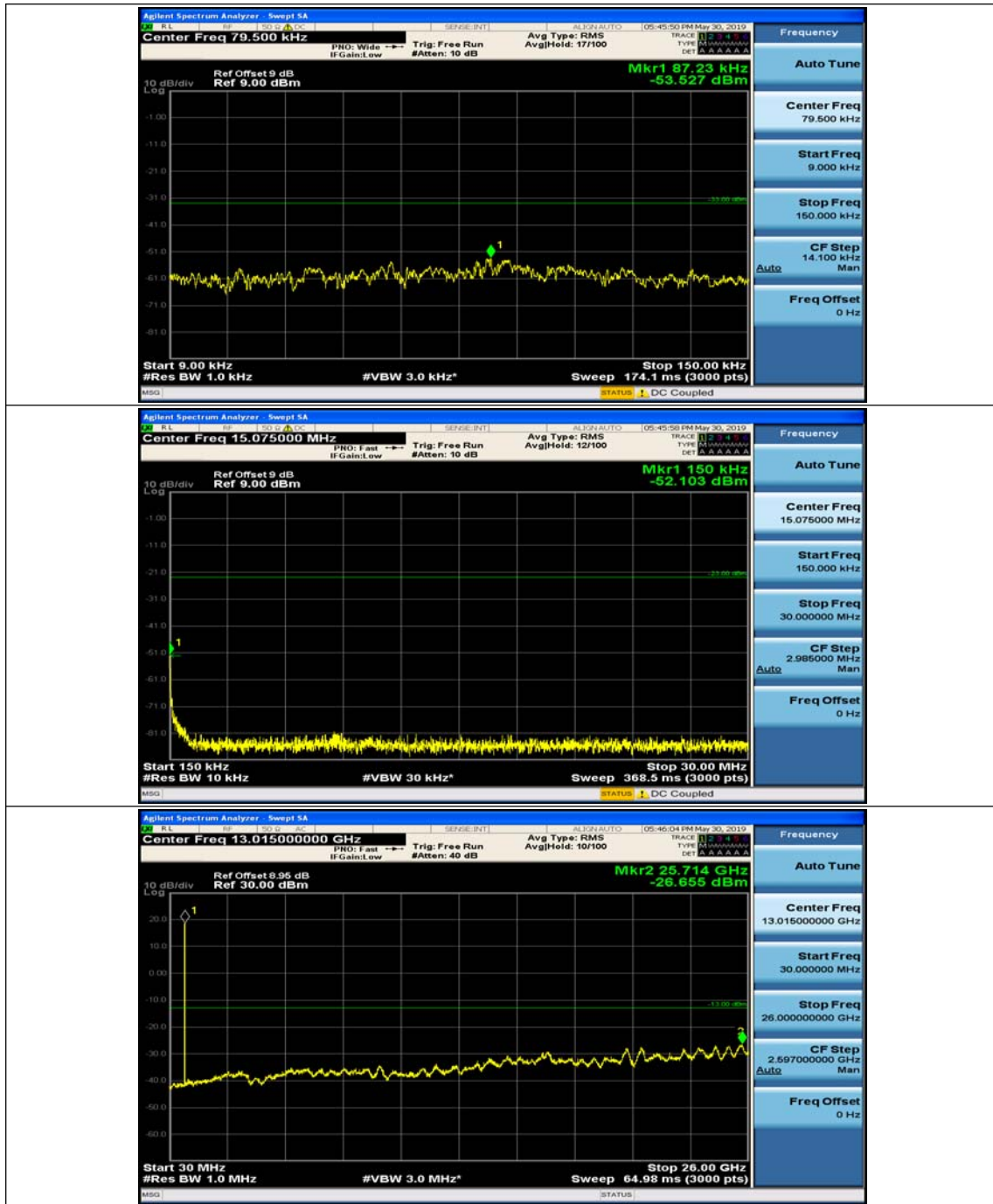


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

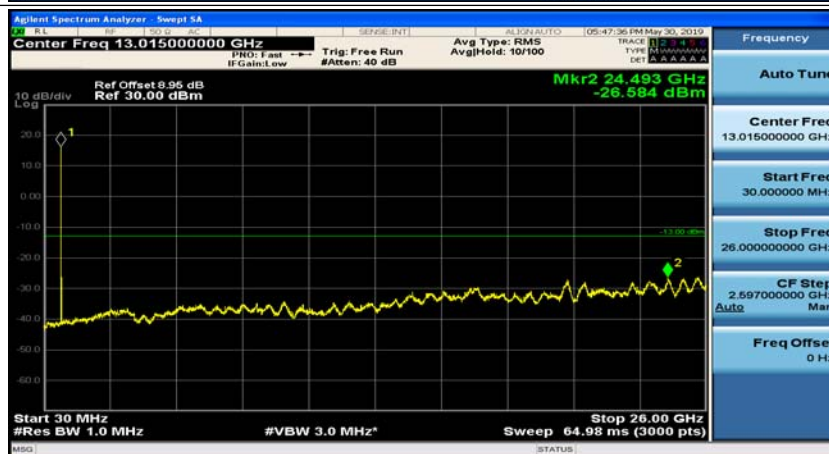
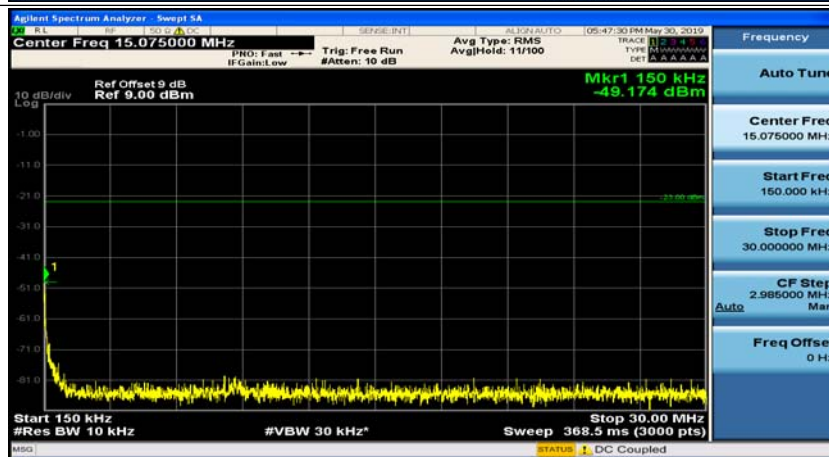
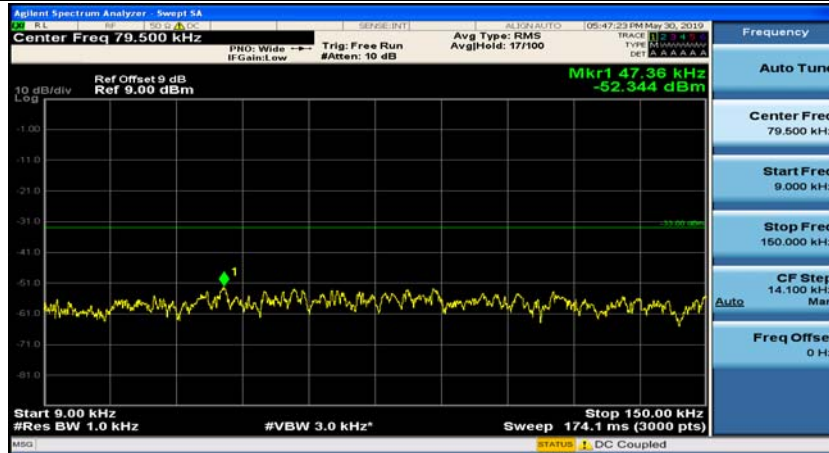


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

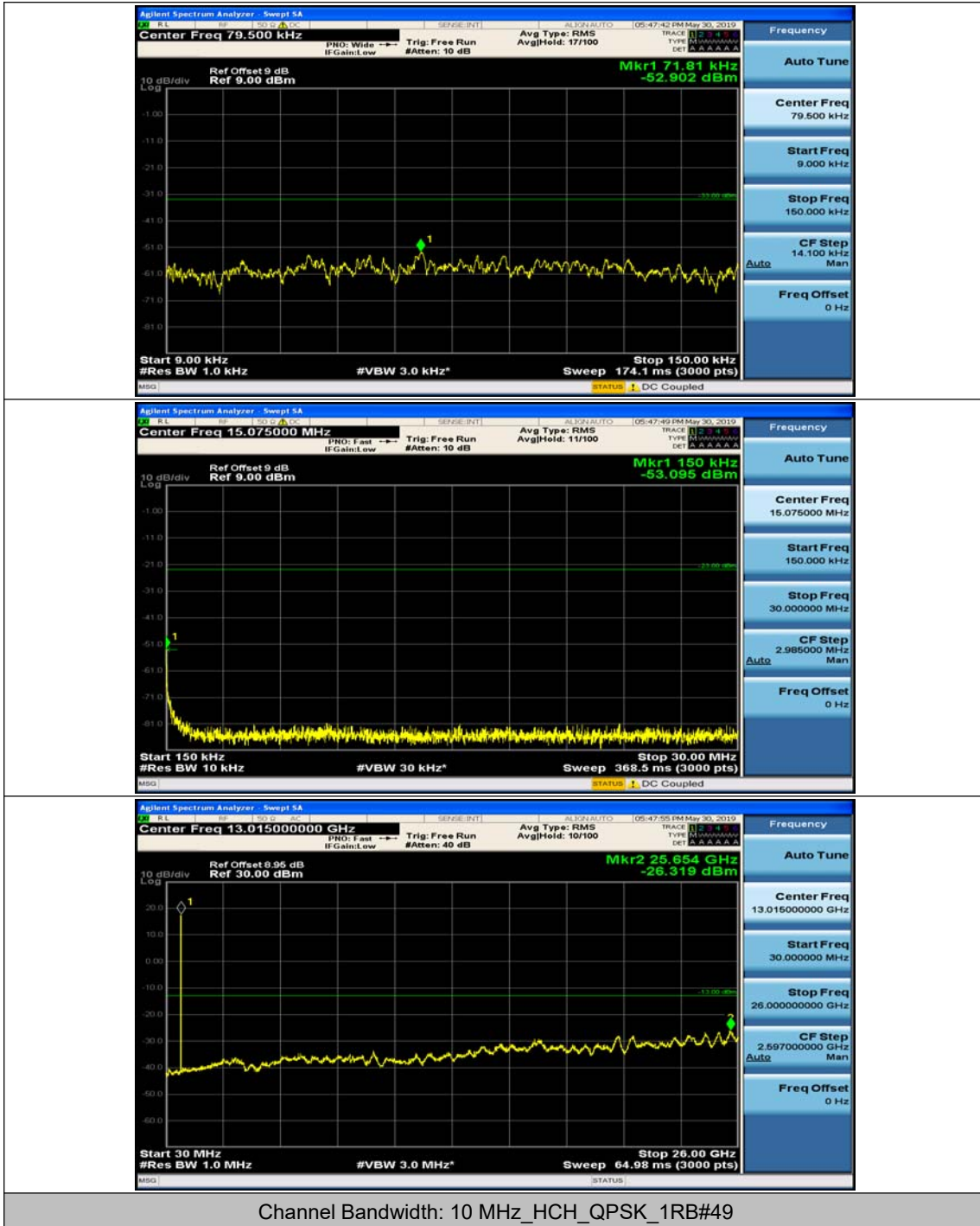


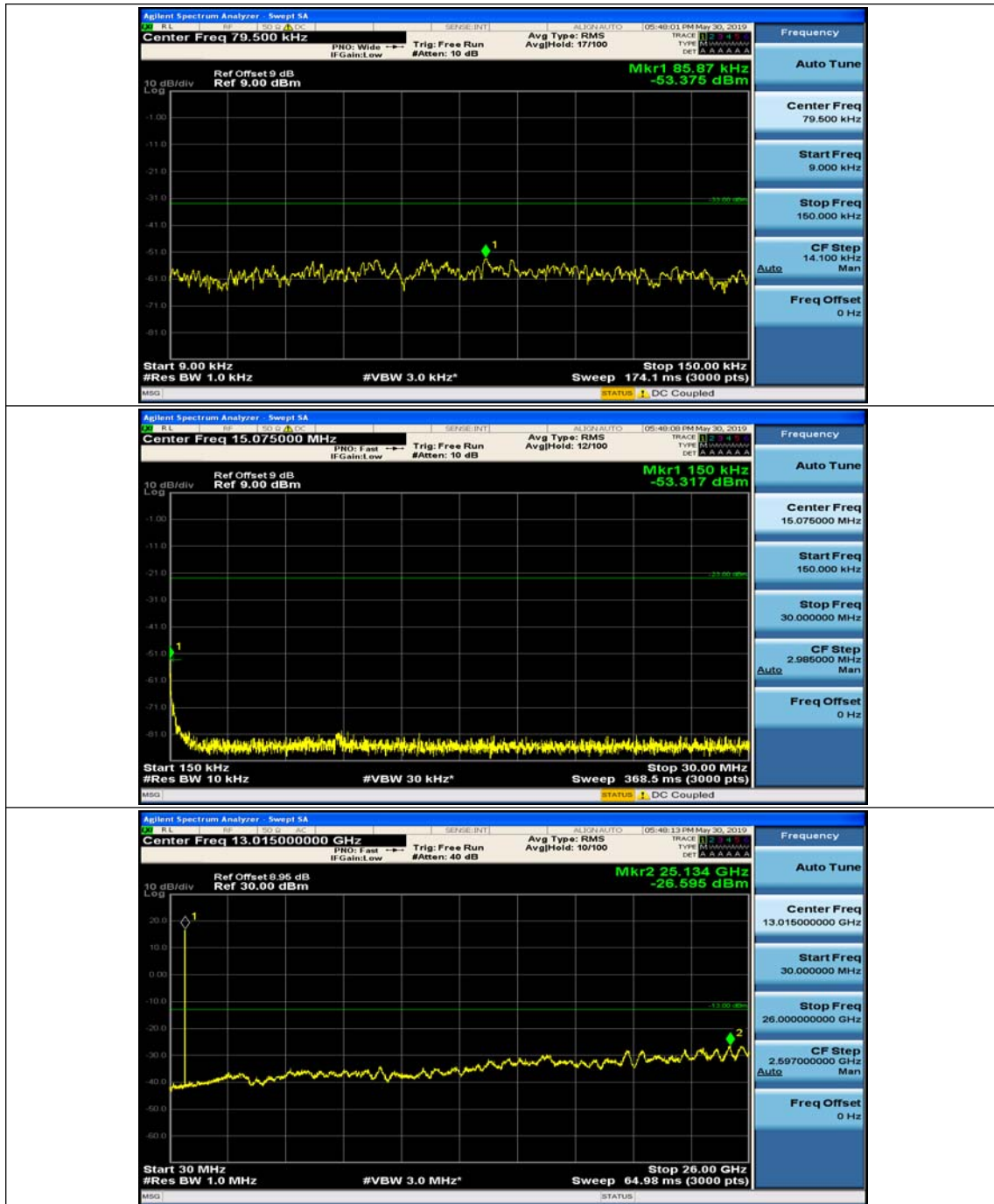


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

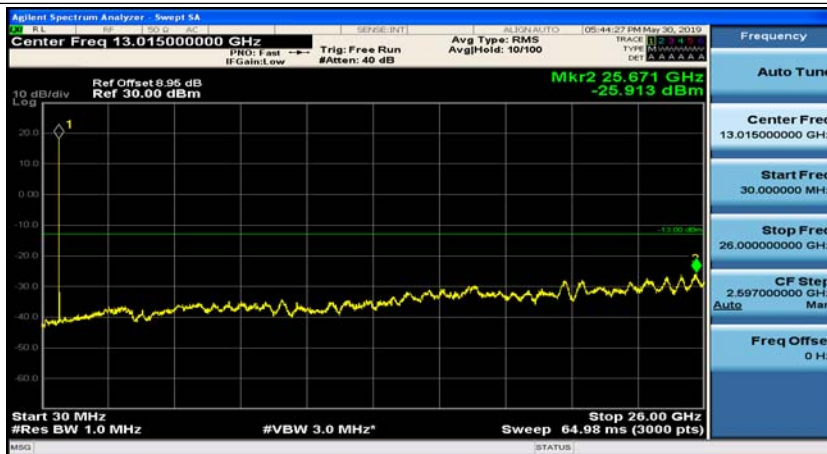
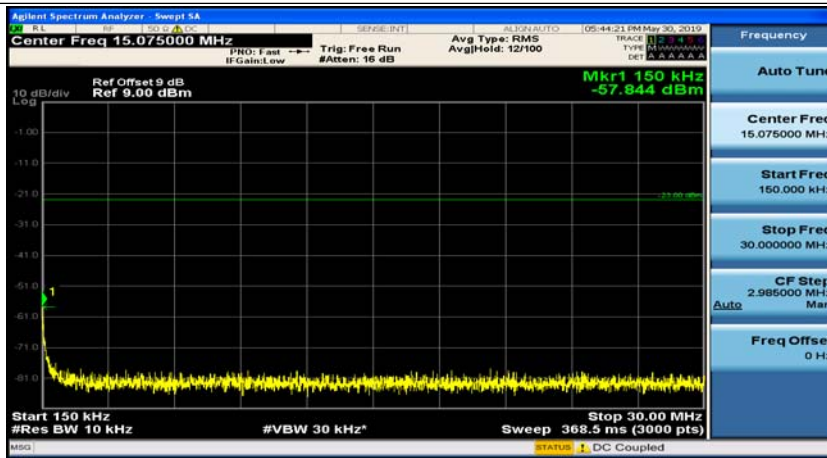
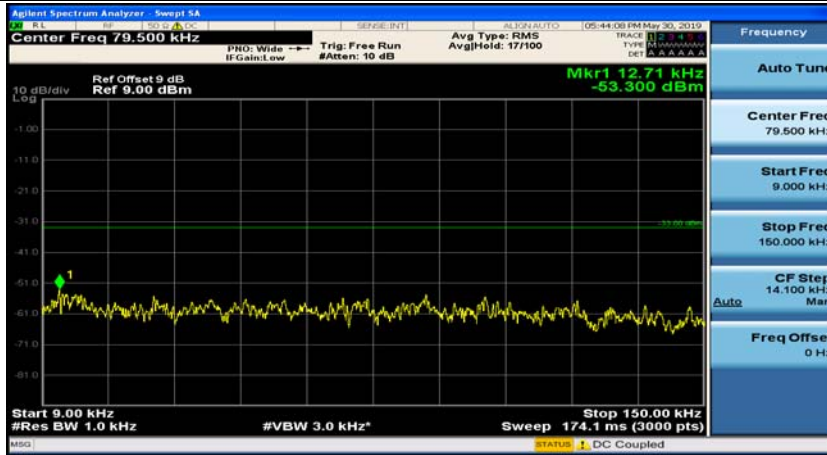


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

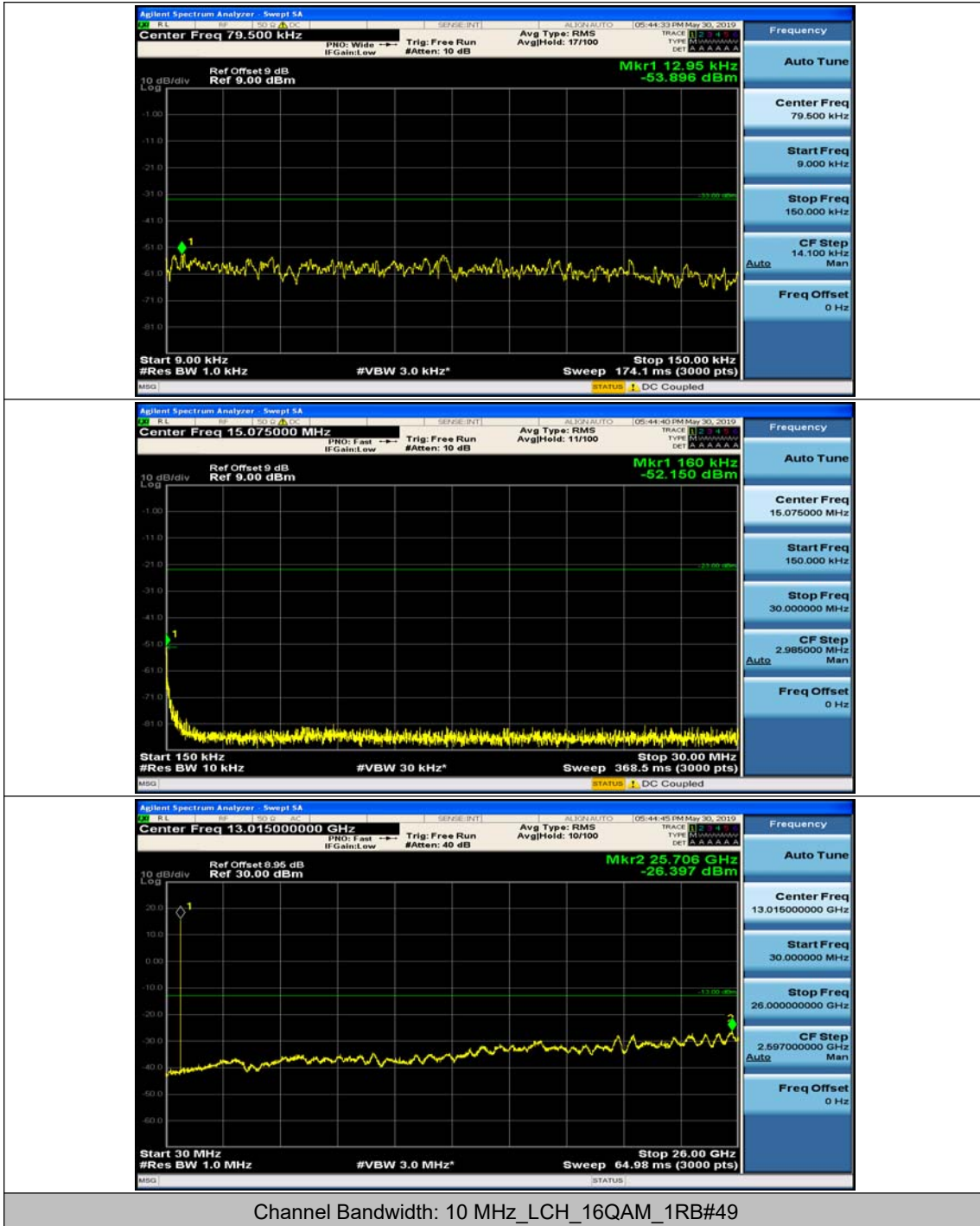


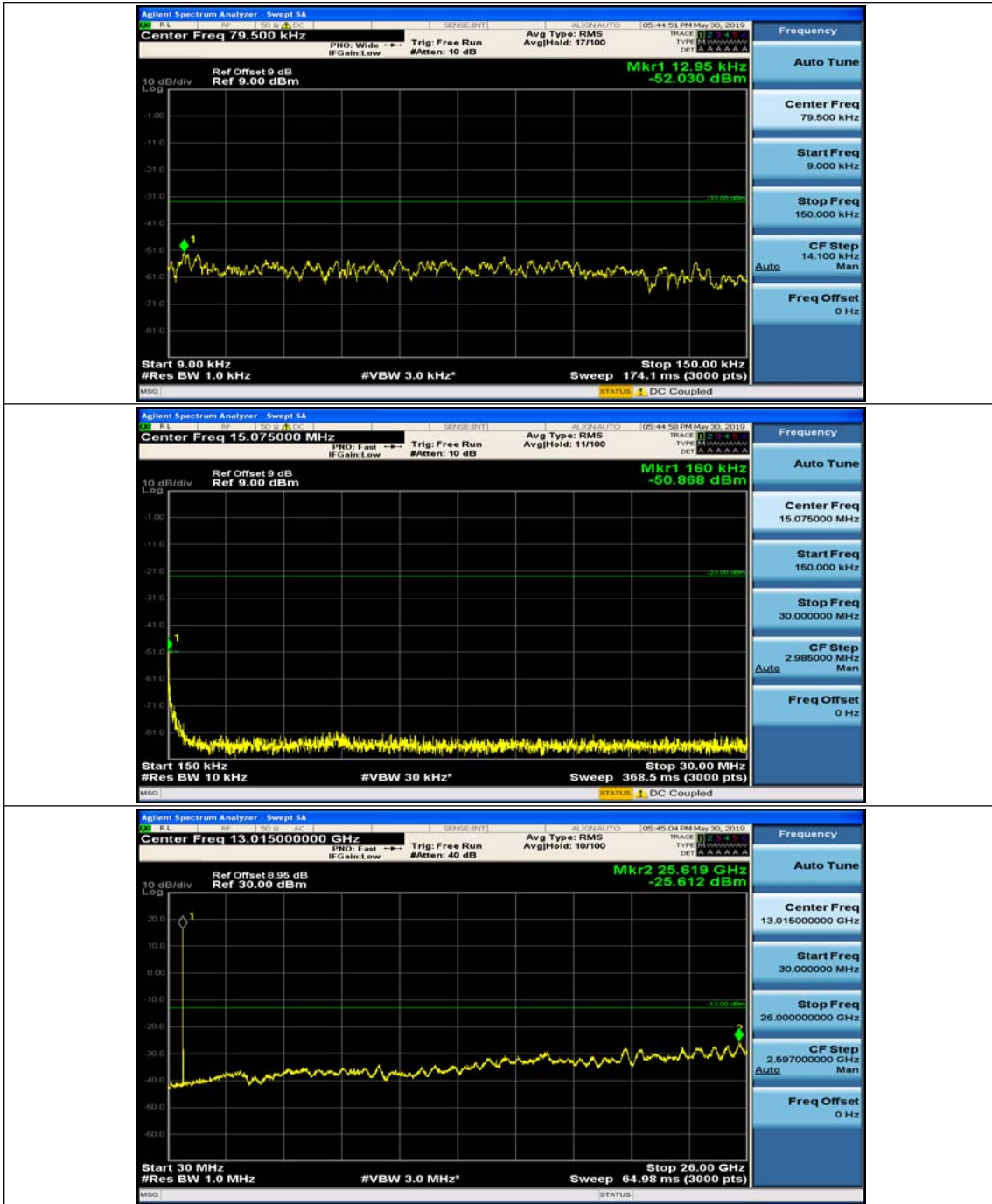


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

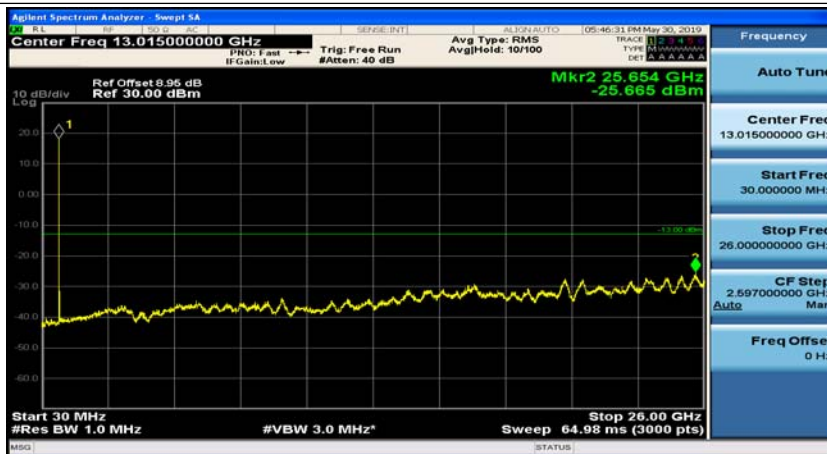
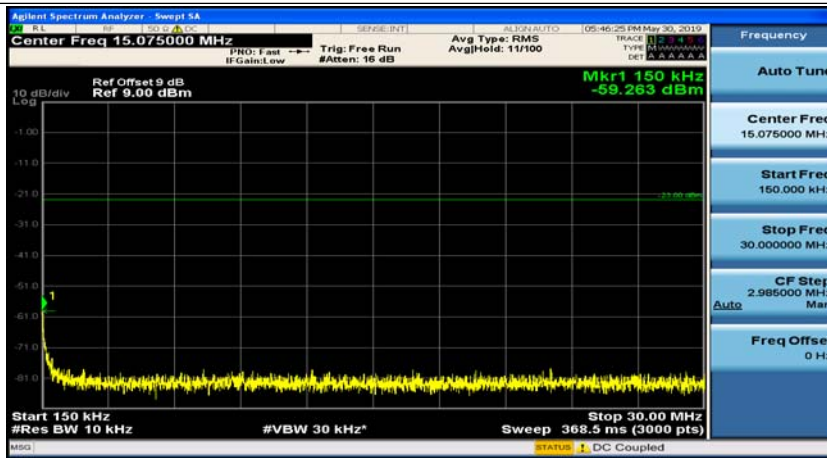
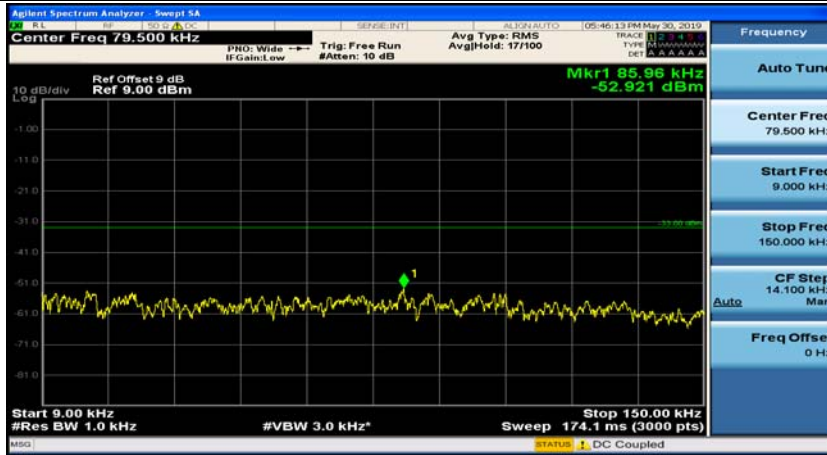


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

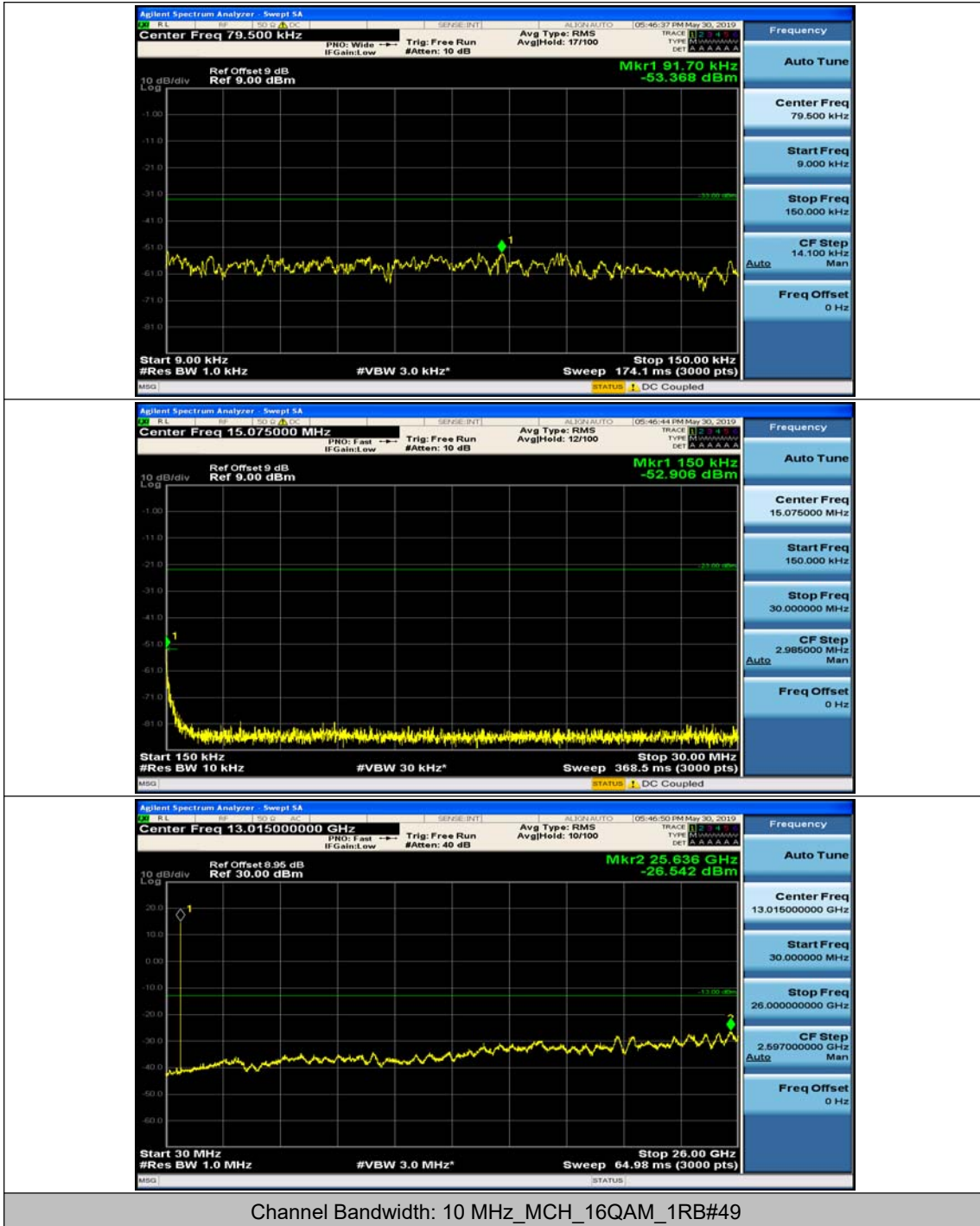


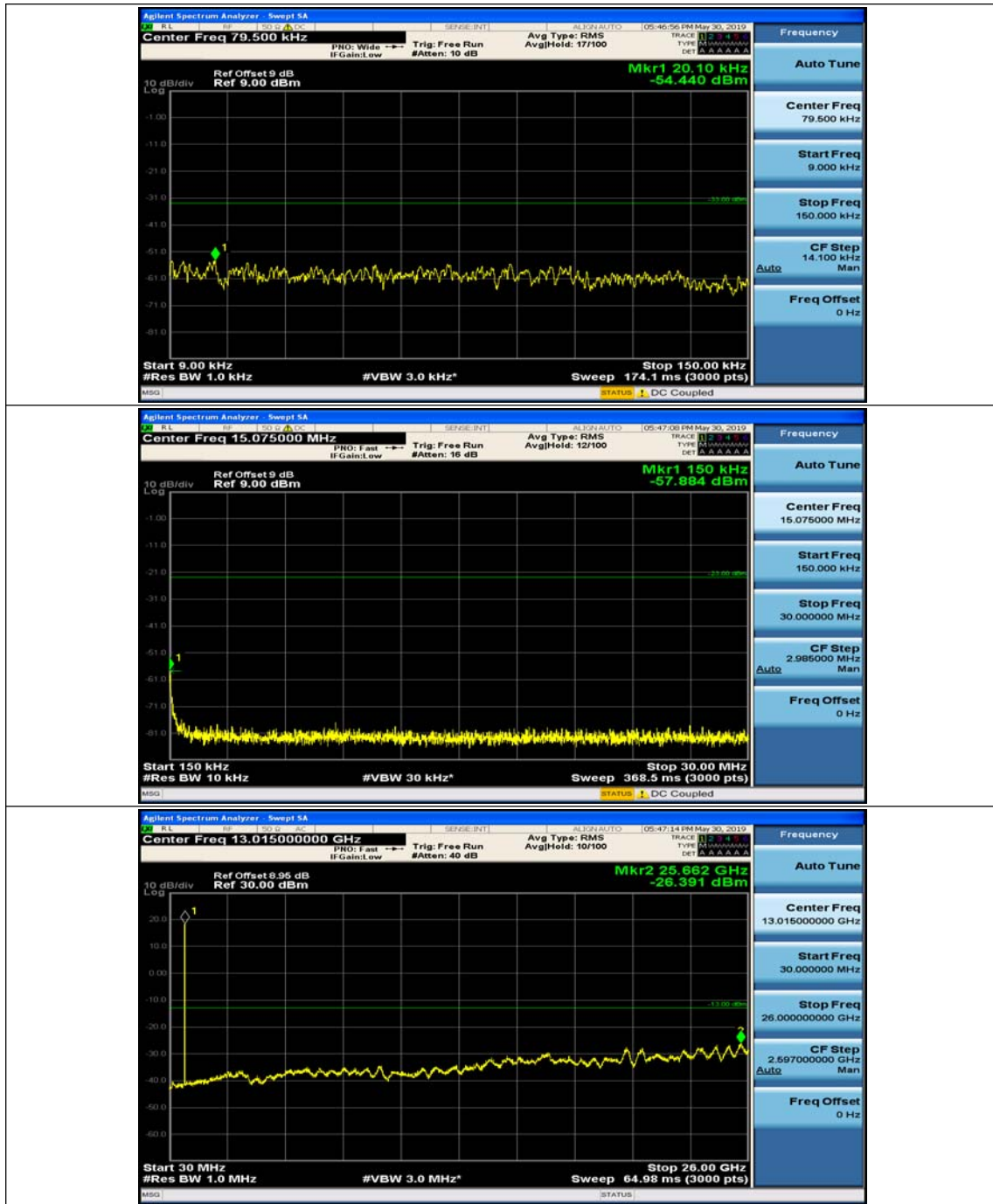


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

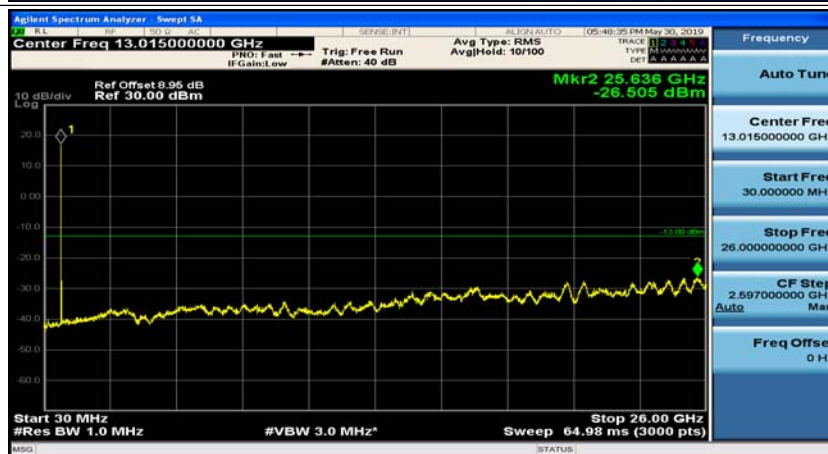
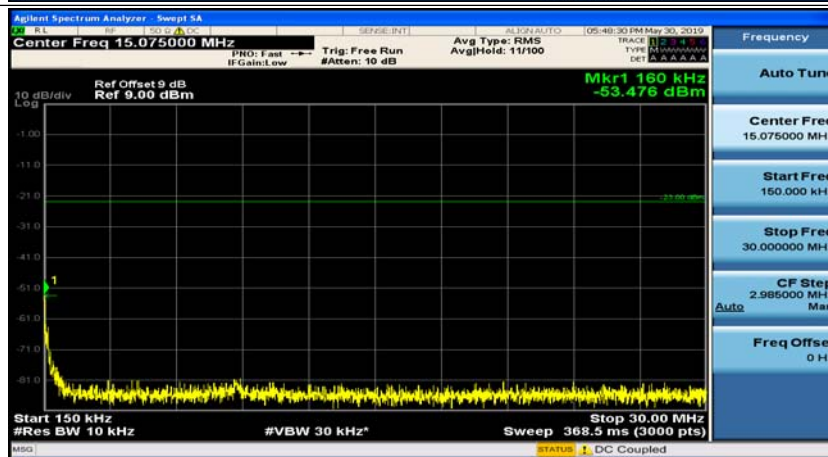
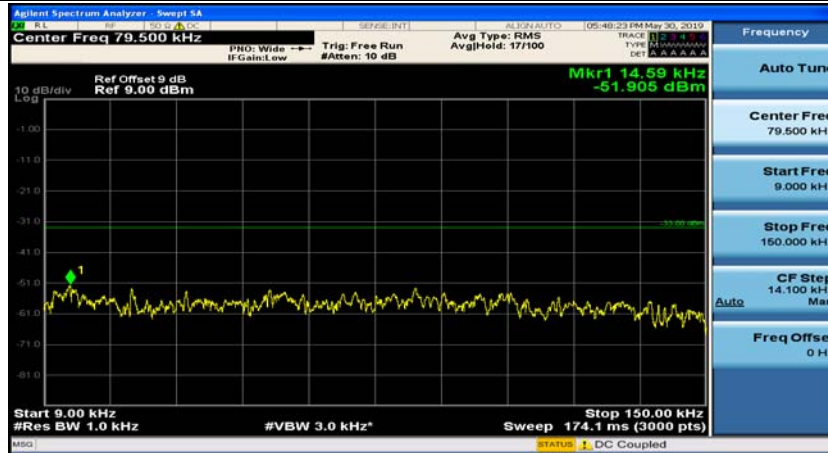


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

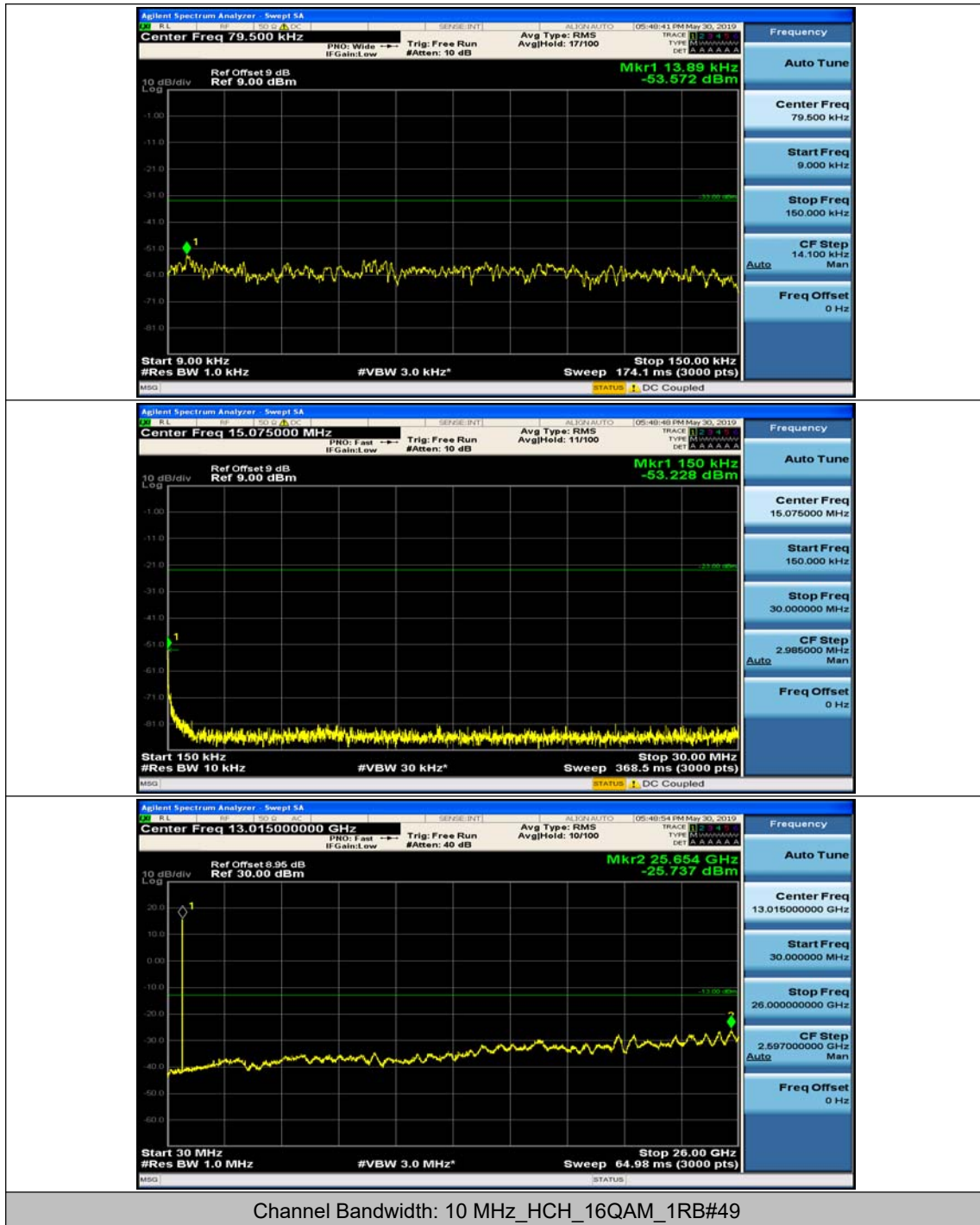


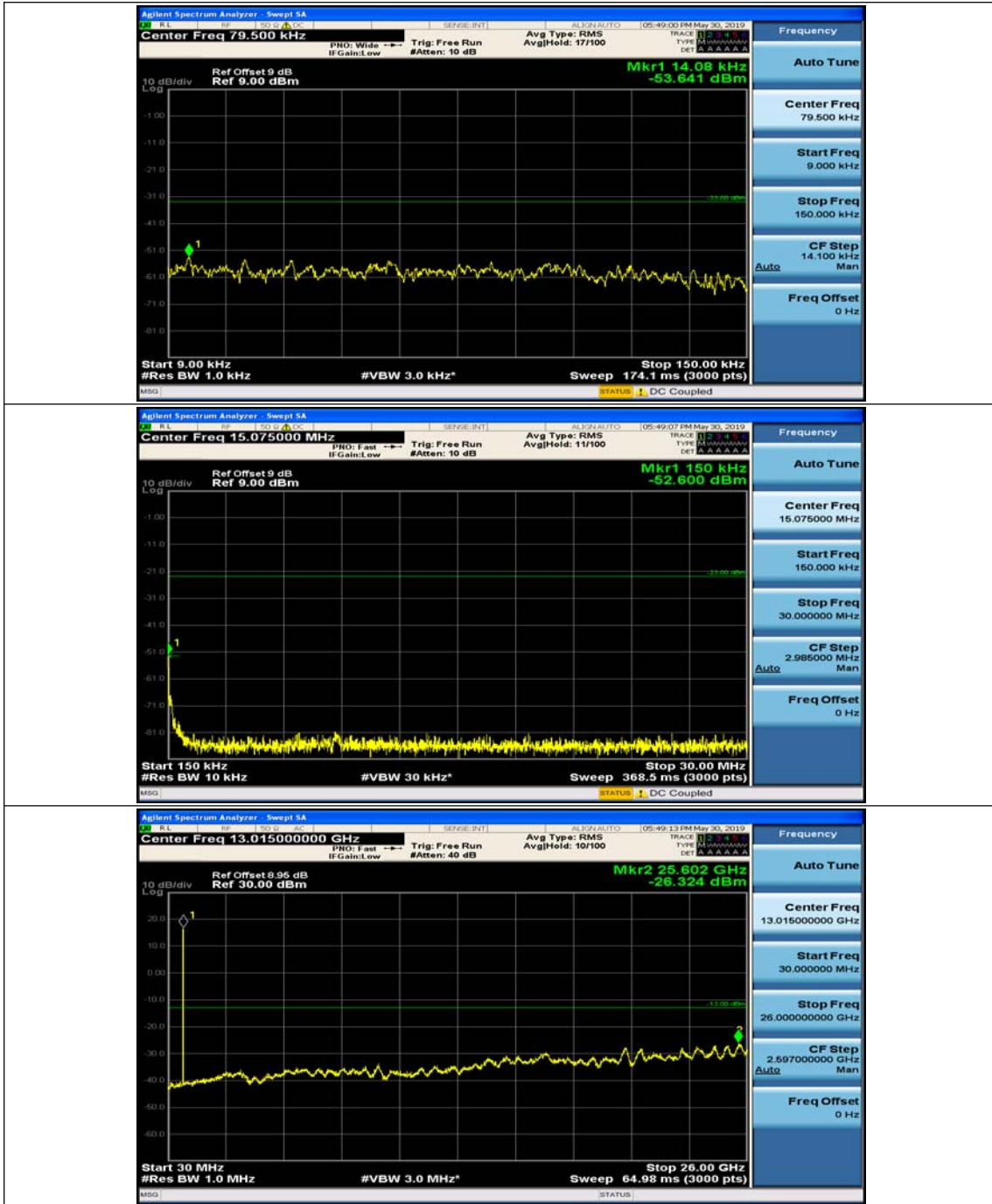


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.87	0.002673	± 2.5	PASS
		VN	TN	-1.91	-0.002730	± 2.5	PASS
		VH	TN	-1.89	-0.002701	± 2.5	PASS
	MCH	VL	TN	-1.97	-0.002784	± 2.5	PASS
		VN	TN	-1.28	-0.001809	± 2.5	PASS
		VH	TN	-1.81	-0.002558	± 2.5	PASS
	HCH	VL	TN	0.61	0.000853	± 2.5	PASS
		VN	TN	3.31	0.004627	± 2.5	PASS
		VH	TN	0.88	0.001230	± 2.5	PASS
16QAM	LCH	VL	TN	3.94	0.005631	± 2.5	PASS
		VN	TN	-0.82	-0.001172	± 2.5	PASS
		VH	TN	1.51	0.002158	± 2.5	PASS
	MCH	VL	TN	3.42	0.004834	± 2.5	PASS
		VN	TN	1.98	0.002799	± 2.5	PASS
		VH	TN	1.8	0.002544	± 2.5	PASS
	HCH	VL	TN	3.84	0.005368	± 2.5	PASS
		VN	TN	3.76	0.005257	± 2.5	PASS
		VH	TN	1.29	0.001803	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.03	0.000043	± 2.5	PASS
		VN	-20	-0.43	-0.000615	± 2.5	PASS
		VN	-10	-1.37	-0.001958	± 2.5	PASS
		VN	0	-1.53	-0.002187	± 2.5	PASS
		VN	10	-0.61	-0.000872	± 2.5	PASS
		VN	20	4.78	0.006831	± 2.5	PASS
		VN	30	4.82	0.006889	± 2.5	PASS
		VN	40	2.34	0.003344	± 2.5	PASS
	VN	50	4.91	0.007017	± 2.5	PASS	
MCH	VN	-30	4.06	0.005739	± 2.5	PASS	

	VN	-20	2.21	0.003124	± 2.5	PASS	
		VN	-10	2.62	0.003703	± 2.5	PASS
		VN	0	-0.33	-0.000466	± 2.5	PASS
		VN	10	2.59	0.003661	± 2.5	PASS
		VN	20	1.36	0.001922	± 2.5	PASS
		VN	30	4.21	0.005951	± 2.5	PASS
		VN	40	4.1	0.005795	± 2.5	PASS
		VN	50	-1.58	-0.002233	± 2.5	PASS
	HCH	VN	-30	-0.17	-0.000238	± 2.5	PASS
		VN	-20	-1.2	-0.001678	± 2.5	PASS
		VN	-10	-0.35	-0.000489	± 2.5	PASS
		VN	0	1.71	0.002391	± 2.5	PASS
		VN	10	3.76	0.005257	± 2.5	PASS
		VN	20	4.75	0.006641	± 2.5	PASS
		VN	30	0.03	0.000042	± 2.5	PASS
		VN	40	1.1	0.001538	± 2.5	PASS
		VN	50	3.53	0.004935	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.64	-0.002344
VN	-20			-1.75	-0.002501	± 2.5	PASS
VN	-10			0.19	0.000272	± 2.5	PASS
VN	0			0.9	0.001286	± 2.5	PASS
VN	10			-1.8	-0.002573	± 2.5	PASS
VN	20			-1.27	-0.001815	± 2.5	PASS
VN	30			4.36	0.006231	± 2.5	PASS
VN	40			1.06	0.001515	± 2.5	PASS
VN	50			0.34	0.000486	± 2.5	PASS
MCH	VN		-30	0.13	0.000184	± 2.5	PASS
	VN		-20	1.68	0.002375	± 2.5	PASS
	VN		-10	4.05	0.005724	± 2.5	PASS
	VN		0	1.66	0.002346	± 2.5	PASS
	VN		10	-1.6	-0.002261	± 2.5	PASS
	VN		20	4.38	0.006191	± 2.5	PASS
	VN		30	0.76	0.001074	± 2.5	PASS
	VN		40	0.45	0.000636	± 2.5	PASS
	VN		50	0.83	0.001173	± 2.5	PASS
HCH	VN		-30	2.93	0.004096	± 2.5	PASS
	VN		-20	-0.45	-0.000629	± 2.5	PASS
	VN		-10	1.41	0.001971	± 2.5	PASS
	VN		0	1.61	0.002251	± 2.5	PASS
	VN		10	3.79	0.005298	± 2.5	PASS
	VN		20	0.87	0.001216	± 2.5	PASS

		VN	30	4.16	0.005816	± 2.5	PASS
		VN	40	0.69	0.000965	± 2.5	PASS
		VN	50	3.02	0.004222	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.59	0.006552	± 2.5	PASS
		VN	TN	4.52	0.006453	± 2.5	PASS
		VH	TN	-1.74	-0.002484	± 2.5	PASS
	MCH	VL	TN	-0.14	-0.000198	± 2.5	PASS
		VN	TN	2.4	0.003392	± 2.5	PASS
		VH	TN	1.16	0.001640	± 2.5	PASS
	HCH	VL	TN	1.23	0.001721	± 2.5	PASS
		VN	TN	-1.96	-0.002743	± 2.5	PASS
		VH	TN	4.92	0.006886	± 2.5	PASS
16QAM	LCH	VL	TN	-1.35	-0.001927	± 2.5	PASS
		VN	TN	3.39	0.004839	± 2.5	PASS
		VH	TN	3.34	0.004768	± 2.5	PASS
	MCH	VL	TN	3.99	0.005640	± 2.5	PASS
		VN	TN	-0.01	-0.000014	± 2.5	PASS
		VH	TN	4.56	0.006445	± 2.5	PASS
	HCH	VL	TN	3.23	0.004521	± 2.5	PASS
		VN	TN	1.57	0.002197	± 2.5	PASS
		VH	TN	0.41	0.000574	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.31	0.000443	± 2.5	PASS
		VN	-20	3.26	0.004654	± 2.5	PASS
		VN	-10	-1.69	-0.002413	± 2.5	PASS
		VN	0	0.92	0.001313	± 2.5	PASS
		VN	10	1.38	0.001970	± 2.5	PASS
		VN	20	3.54	0.005054	± 2.5	PASS
		VN	30	1.98	0.002827	± 2.5	PASS
		VN	40	0.21	0.000300	± 2.5	PASS
		VN	50	2.41	0.003440	± 2.5	PASS
	MCH	VN	-30	-0.63	-0.000890	± 2.5	PASS
		VN	-20	-0.67	-0.000947	± 2.5	PASS

		VN	-10	0.07	0.000099	± 2.5	PASS		
		VN	0	1.39	0.001965	± 2.5	PASS		
		VN	10	-0.55	-0.000777	± 2.5	PASS		
		VN	20	-0.59	-0.000834	± 2.5	PASS		
		VN	30	0.57	0.000806	± 2.5	PASS		
		VN	40	-1.48	-0.002092	± 2.5	PASS		
		VN	50	0.87	0.001230	± 2.5	PASS		
	HCH	VN	-30	2.01	0.002813	± 2.5	PASS		
		VN	-20	3.39	0.004745	± 2.5	PASS		
		VN	-10	2.72	0.003807	± 2.5	PASS		
		VN	0	2.18	0.003051	± 2.5	PASS		
		VN	10	-1.68	-0.002351	± 2.5	PASS		
		VN	20	4.27	0.005976	± 2.5	PASS		
		VN	30	2.6	0.003639	± 2.5	PASS		
		VN	40	-1.28	-0.001791	± 2.5	PASS		
		VN	50	0.57	0.000798	± 2.5	PASS		
		QPSK	LCH	VN	-30	1.97	0.002812	± 2.5	PASS
				VN	-20	0.25	0.000357	± 2.5	PASS
VN	-10			-1.64	-0.002341	± 2.5	PASS		
VN	0			-1.44	-0.002056	± 2.5	PASS		
VN	10			1.71	0.002441	± 2.5	PASS		
VN	20			-1.12	-0.001599	± 2.5	PASS		
VN	30			1.86	0.002655	± 2.5	PASS		
VN	40			2.1	0.002998	± 2.5	PASS		
VN	50			-0.98	-0.001399	± 2.5	PASS		
MCH	VN		-30	4.16	0.005880	± 2.5	PASS		
	VN		-20	2.5	0.003534	± 2.5	PASS		
	VN		-10	1.28	0.001809	± 2.5	PASS		
	VN		0	2.02	0.002855	± 2.5	PASS		
	VN		10	-1.09	-0.001541	± 2.5	PASS		
	VN		20	-0.26	-0.000367	± 2.5	PASS		
	VN		30	2.29	0.003237	± 2.5	PASS		
	VN		40	0.17	0.000240	± 2.5	PASS		
	VN		50	1.28	0.001809	± 2.5	PASS		
HCH	VN		-30	0.31	0.000434	± 2.5	PASS		
	VN		-20	4.19	0.005864	± 2.5	PASS		
	VN		-10	-0.06	-0.000084	± 2.5	PASS		
	VN		0	0.05	0.000070	± 2.5	PASS		
	VN		10	2.05	0.002869	± 2.5	PASS		
	VN		20	3.22	0.004507	± 2.5	PASS		
	VN		30	3.52	0.004927	± 2.5	PASS		

		VN	40	3.47	0.004857	± 2.5	PASS
		VN	50	0.16	0.000224	± 2.5	PASS

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	3.39	0.004833	± 2.5	PASS
		VN	TN	3.35	0.004775	± 2.5	PASS
		VH	TN	1.42	0.002024	± 2.5	PASS
	MCH	VL	TN	-0.62	-0.000876	± 2.5	PASS
		VN	TN	-1.9	-0.002686	± 2.5	PASS
		VH	TN	-0.17	-0.000240	± 2.5	PASS
	HCH	VL	TN	-1.53	-0.002144	± 2.5	PASS
		VN	TN	1.8	0.002523	± 2.5	PASS
		VH	TN	-1.84	-0.002579	± 2.5	PASS
16QAM	LCH	VL	TN	2.42	0.003450	± 2.5	PASS
		VN	TN	0.03	0.000043	± 2.5	PASS
		VH	TN	2.11	0.003008	± 2.5	PASS
	MCH	VL	TN	-1.52	-0.002148	± 2.5	PASS
		VN	TN	0.47	0.000664	± 2.5	PASS
		VH	TN	1.02	0.001442	± 2.5	PASS
	HCH	VL	TN	4.13	0.005788	± 2.5	PASS
		VN	TN	4.21	0.005900	± 2.5	PASS
		VH	TN	3.76	0.005270	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.64	-0.000912	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	1.44	0.002053	± 2.5	PASS
		VN	0	-2	-0.002851	± 2.5	PASS
		VN	10	1.57	0.002238	± 2.5	PASS
		VN	20	-0.72	-0.001026	± 2.5	PASS
		VN	30	1.71	0.002438	± 2.5	PASS
		VN	40	4.96	0.007071	± 2.5	PASS
		VN	50	2.99	0.004262	± 2.5	PASS
	MCH	VN	-30	4.45	0.006290	± 2.5	PASS
		VN	-20	0.49	0.000693	± 2.5	PASS
		VN	-10	-0.77	-0.001088	± 2.5	PASS

		VN	0	3.66	0.005173	± 2.5	PASS		
		VN	10	3.2	0.004523	± 2.5	PASS		
		VN	20	0.14	0.000198	± 2.5	PASS		
		VN	30	3.35	0.004735	± 2.5	PASS		
		VN	40	0.74	0.001046	± 2.5	PASS		
		VN	50	-1.85	-0.002615	± 2.5	PASS		
	HCH	VN	-30	3.67	0.005144	± 2.5	PASS		
		VN	-20	-0.58	-0.000813	± 2.5	PASS		
		VN	-10	1.33	0.001864	± 2.5	PASS		
		VN	0	-0.49	-0.000687	± 2.5	PASS		
		VN	10	-0.74	-0.001037	± 2.5	PASS		
		VN	20	4.47	0.006265	± 2.5	PASS		
		VN	30	0.72	0.001009	± 2.5	PASS		
		VN	40	1.6	0.002242	± 2.5	PASS		
		VN	50	4.36	0.006111	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.09	-0.000128	± 2.5	PASS
				VN	-20	4.08	0.005816	± 2.5	PASS
				VN	-10	3.2	0.004562	± 2.5	PASS
VN	0			5	0.007128	± 2.5	PASS		
VN	10			0.91	0.001297	± 2.5	PASS		
VN	20			3.28	0.004676	± 2.5	PASS		
VN	30			3.77	0.005374	± 2.5	PASS		
VN	40			2.62	0.003735	± 2.5	PASS		
VN	50			0.19	0.000271	± 2.5	PASS		
MCH	VN		-30	-1.15	-0.001625	± 2.5	PASS		
	VN		-20	3.83	0.005413	± 2.5	PASS		
	VN		-10	3.24	0.004580	± 2.5	PASS		
	VN		0	3.97	0.005611	± 2.5	PASS		
	VN		10	-0.05	-0.000071	± 2.5	PASS		
	VN		20	-1.67	-0.002360	± 2.5	PASS		
	VN		30	2.43	0.003435	± 2.5	PASS		
	VN		40	4.66	0.006587	± 2.5	PASS		
	VN		50	1.71	0.002417	± 2.5	PASS		
HCH	VN		-30	-1.04	-0.001458	± 2.5	PASS		
	VN		-20	-1.24	-0.001738	± 2.5	PASS		
	VN		-10	0.83	0.001163	± 2.5	PASS		
	VN		0	0.13	0.000182	± 2.5	PASS		
	VN		10	4.84	0.006783	± 2.5	PASS		
	VN		20	4.67	0.006545	± 2.5	PASS		
	VN		30	1.23	0.001724	± 2.5	PASS		
	VN		40	2.96	0.004149	± 2.5	PASS		

		VN	50	2.76	0.003868	± 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	2.29	0.003253	± 2.5	PASS
		VN	TN	2.16	0.003068	± 2.5	PASS
		VH	TN	0.35	0.000497	± 2.5	PASS
	MCH	VL	TN	4.9	0.006926	± 2.5	PASS
		VN	TN	4.48	0.006332	± 2.5	PASS
		VH	TN	-0.83	-0.001173	± 2.5	PASS
	HCH	VL	TN	0.38	0.000534	± 2.5	PASS
		VN	TN	1.75	0.002461	± 2.5	PASS
		VH	TN	3.96	0.005570	± 2.5	PASS
16QAM	LCH	VL	TN	1.7	0.002415	± 2.5	PASS
		VN	TN	-0.31	-0.000440	± 2.5	PASS
		VH	TN	-0.17	-0.000241	± 2.5	PASS
	MCH	VL	TN	4.59	0.006488	± 2.5	PASS
		VN	TN	3.73	0.005272	± 2.5	PASS
		VH	TN	3.55	0.005018	± 2.5	PASS
	HCH	VL	TN	3.17	0.004459	± 2.5	PASS
		VN	TN	1.26	0.001772	± 2.5	PASS
		VH	TN	1.24	0.001744	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.79	0.003963	± 2.5	PASS
		VN	-20	-1.45	-0.002060	± 2.5	PASS
		VN	-10	-1.62	-0.002301	± 2.5	PASS
		VN	0	0.07	0.000099	± 2.5	PASS
		VN	10	1.76	0.002500	± 2.5	PASS
		VN	20	4.52	0.006420	± 2.5	PASS
		VN	30	0.12	0.000170	± 2.5	PASS
		VN	40	2.06	0.002926	± 2.5	PASS
		VN	50	4.86	0.006903	± 2.5	PASS
	MCH	VN	-30	0.18	0.000254	± 2.5	PASS
		VN	-20	4	0.005654	± 2.5	PASS
		VN	-10	1.9	0.002686	± 2.5	PASS
		VN	0	0.6	0.000848	± 2.5	PASS

		VN	10	0.27	0.000382	± 2.5	PASS
		VN	20	0.09	0.000127	± 2.5	PASS
		VN	30	-1.3	-0.001837	± 2.5	PASS
		VN	40	2.13	0.003011	± 2.5	PASS
		VN	50	3.98	0.005625	± 2.5	PASS
	HCH	VN	-30	-1.01	-0.001421	± 2.5	PASS
		VN	-20	-0.94	-0.001322	± 2.5	PASS
		VN	-10	4.79	0.006737	± 2.5	PASS
		VN	0	-0.51	-0.000717	± 2.5	PASS
		VN	10	1.88	0.002644	± 2.5	PASS
		VN	20	-0.64	-0.000900	± 2.5	PASS
		VN	30	0.96	0.001350	± 2.5	PASS
		VN	40	2.46	0.003460	± 2.5	PASS
		VN	50	0.44	0.000619	± 2.5	PASS
		QPSK	LCH	VN	-30	2.29	0.003253
VN	-20			-1.35	-0.001918	± 2.5	PASS
VN	-10			-1.24	-0.001761	± 2.5	PASS
VN	0			0.18	0.000256	± 2.5	PASS
VN	10			-0.44	-0.000625	± 2.5	PASS
VN	20			0.56	0.000795	± 2.5	PASS
VN	30			2.94	0.004176	± 2.5	PASS
VN	40			2.71	0.003849	± 2.5	PASS
VN	50			0.33	0.000469	± 2.5	PASS
MCH	VN		-30	0.97	0.001371	± 2.5	PASS
	VN		-20	-1.19	-0.001682	± 2.5	PASS
	VN		-10	1.68	0.002375	± 2.5	PASS
	VN		0	-1.9	-0.002686	± 2.5	PASS
	VN		10	3.97	0.005611	± 2.5	PASS
	VN		20	2.94	0.004155	± 2.5	PASS
	VN		30	1.4	0.001979	± 2.5	PASS
	VN		40	3.34	0.004721	± 2.5	PASS
	VN		50	4.1	0.005795	± 2.5	PASS
HCH	VN		-30	3.28	0.004613	± 2.5	PASS
	VN		-20	3.48	0.004895	± 2.5	PASS
	VN		-10	3.85	0.005415	± 2.5	PASS
	VN		0	-0.1	-0.000141	± 2.5	PASS
	VN		10	2.78	0.003910	± 2.5	PASS
	VN		20	3.2	0.004501	± 2.5	PASS
	VN		30	1.9	0.002672	± 2.5	PASS
	VN		40	3.78	0.005316	± 2.5	PASS
	VN		50	4.48	0.006301	± 2.5	PASS

