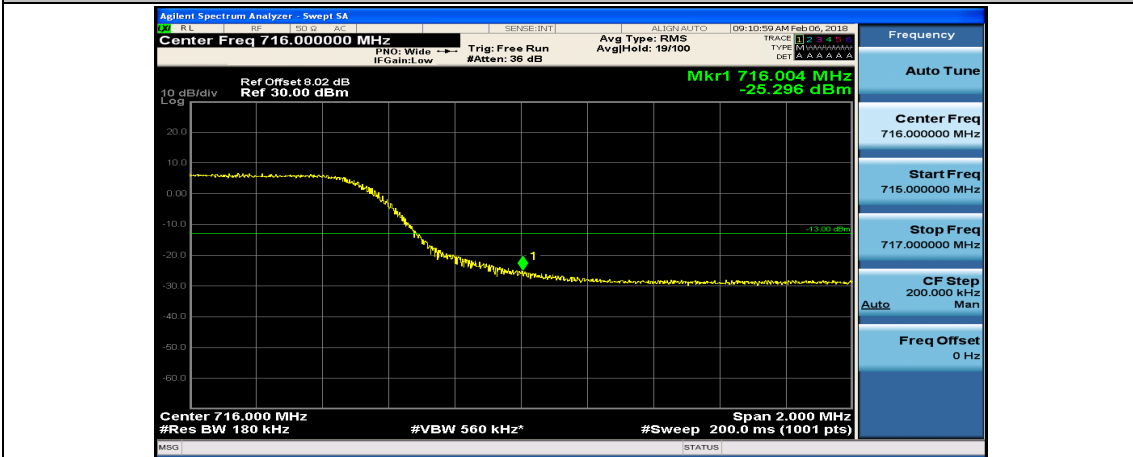


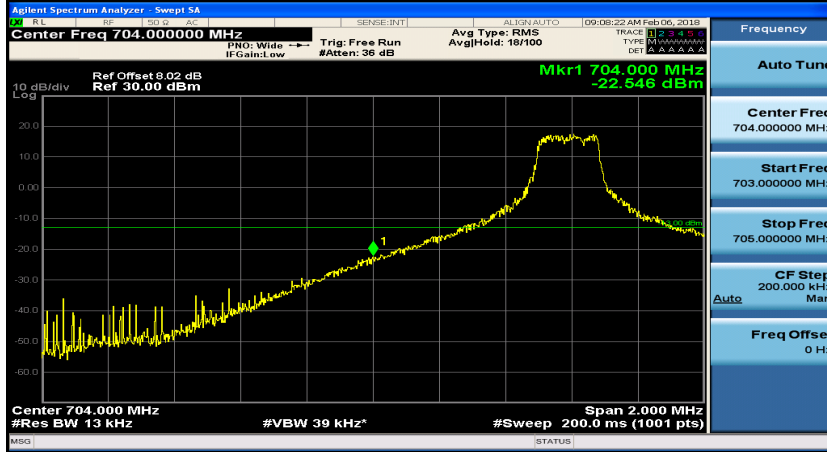
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



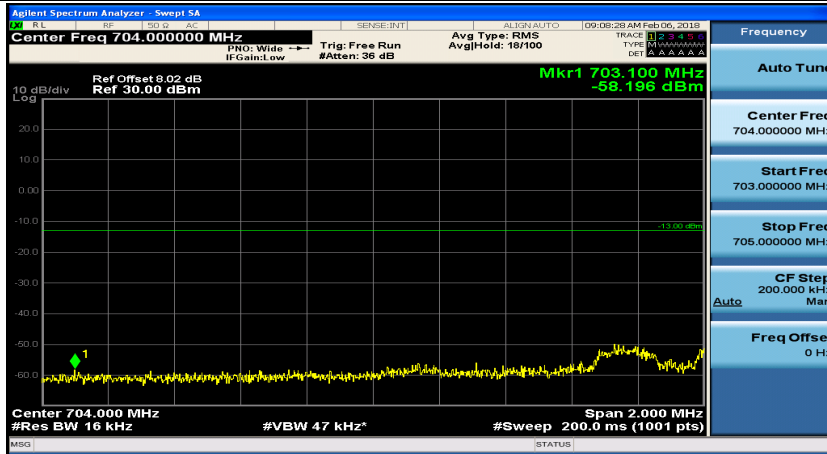
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



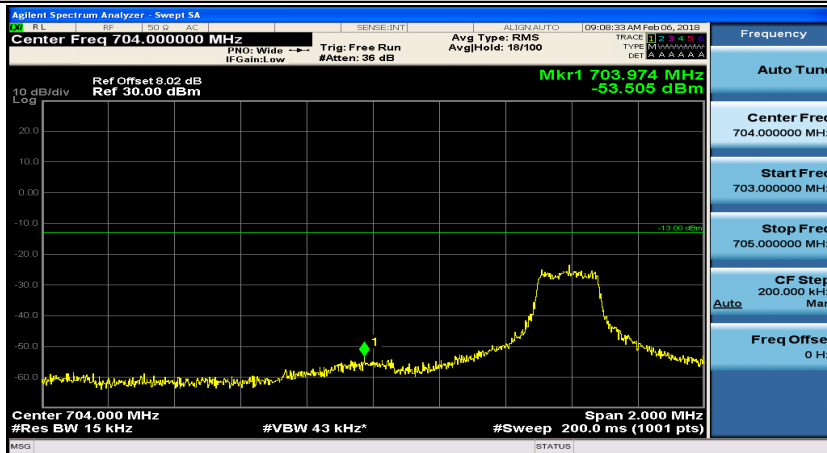
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



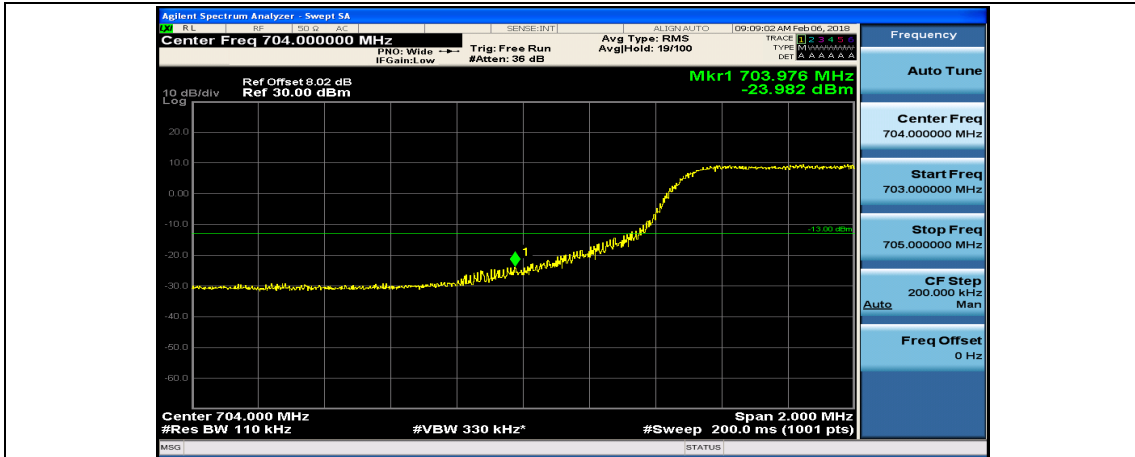
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



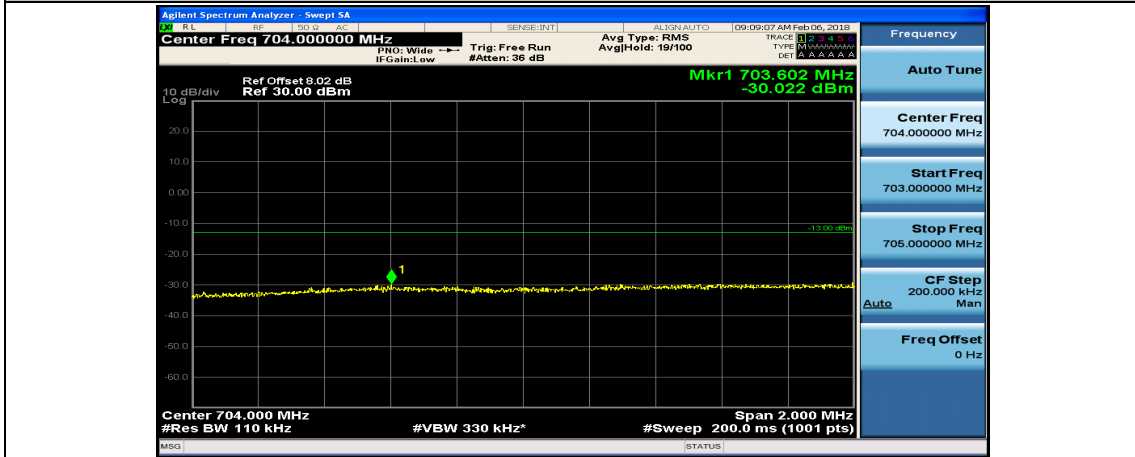
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



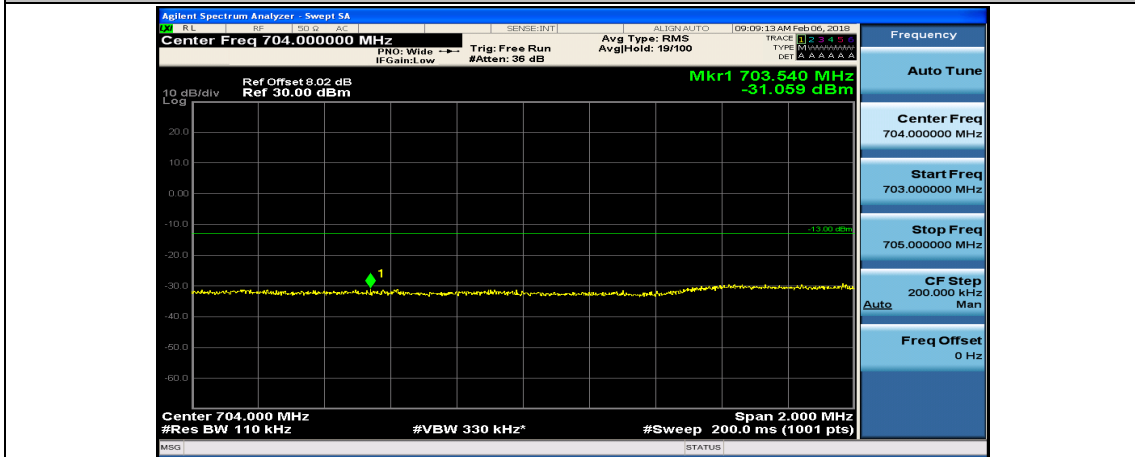
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



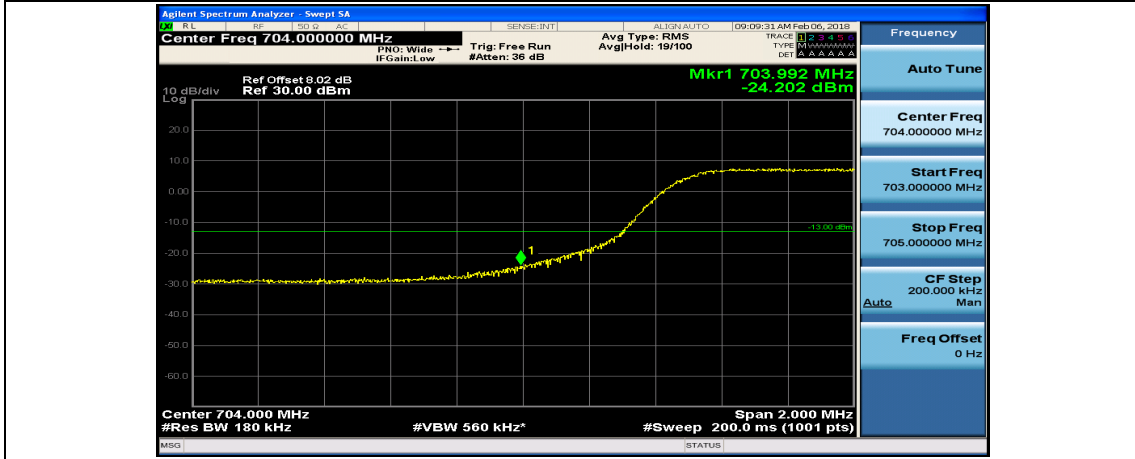
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



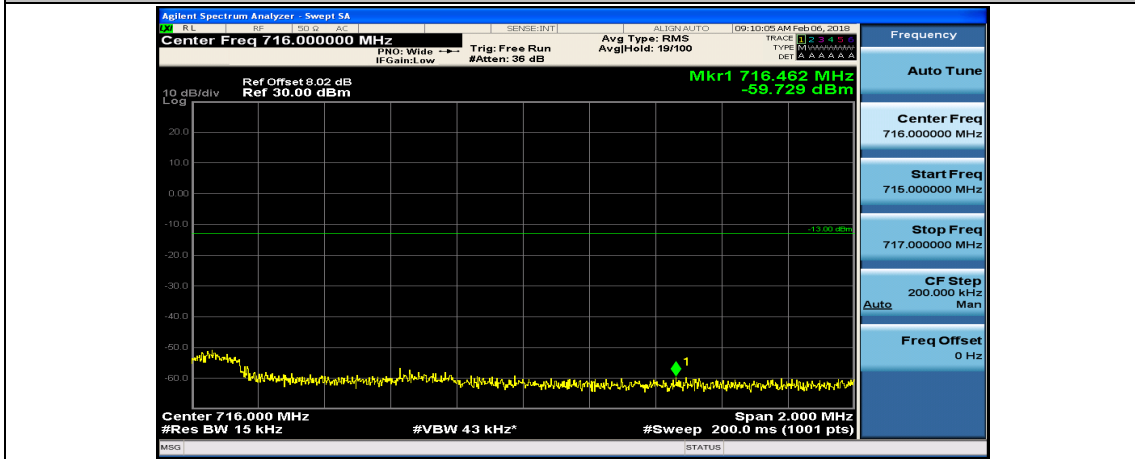
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



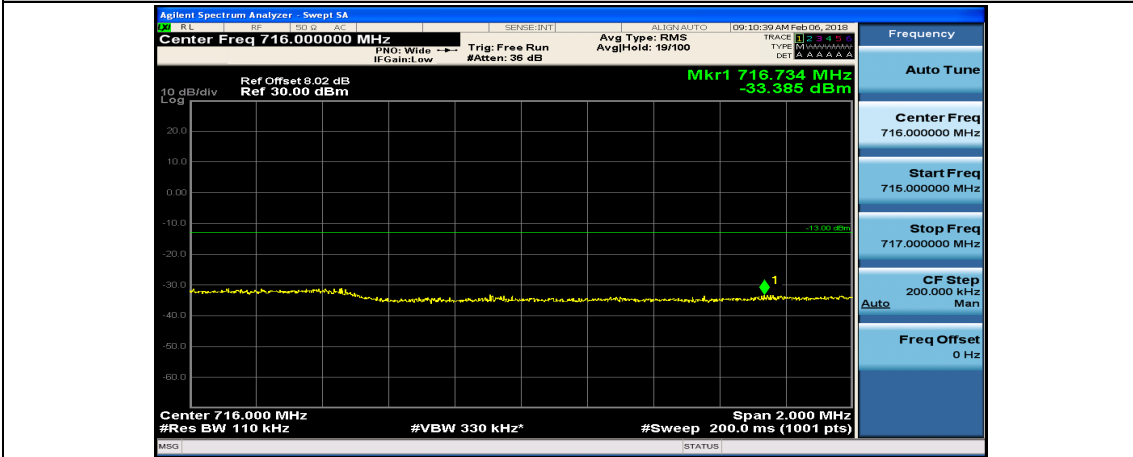
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



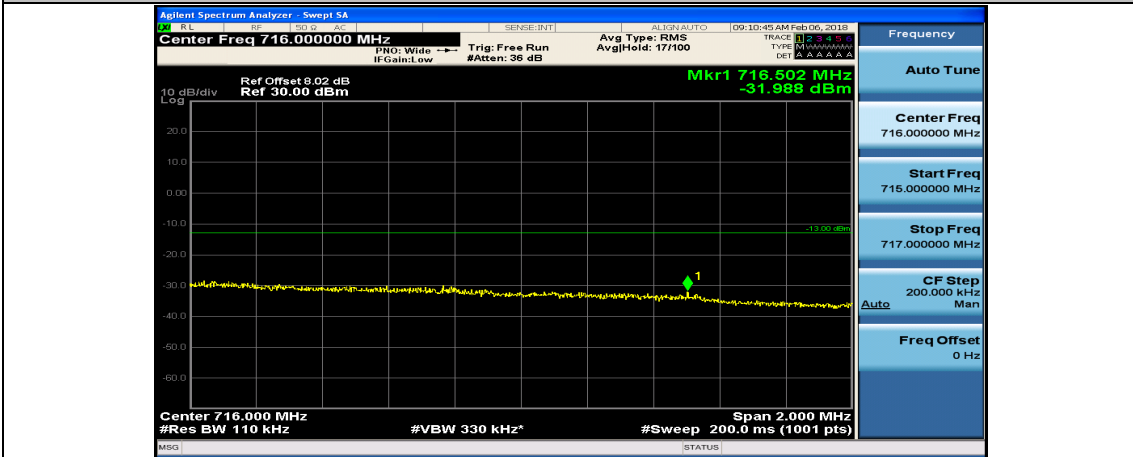
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



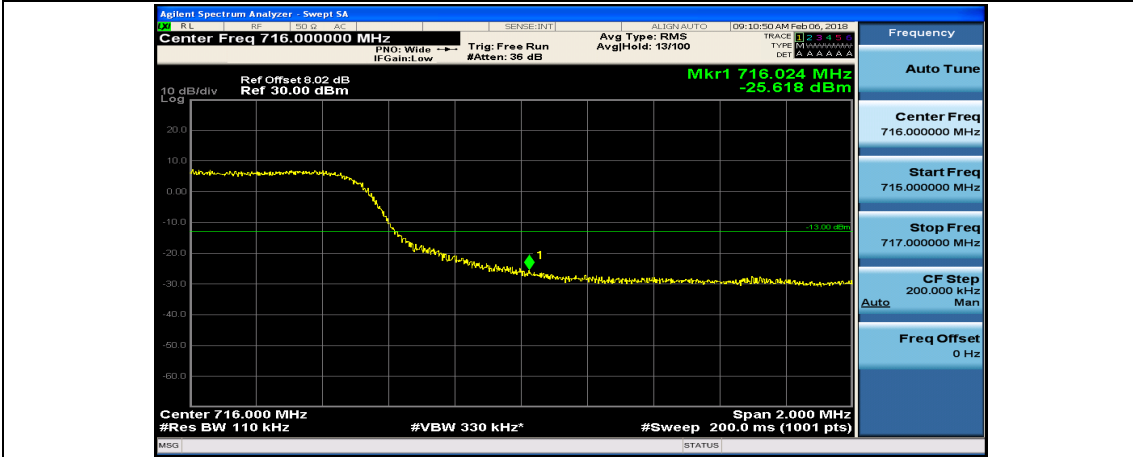
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



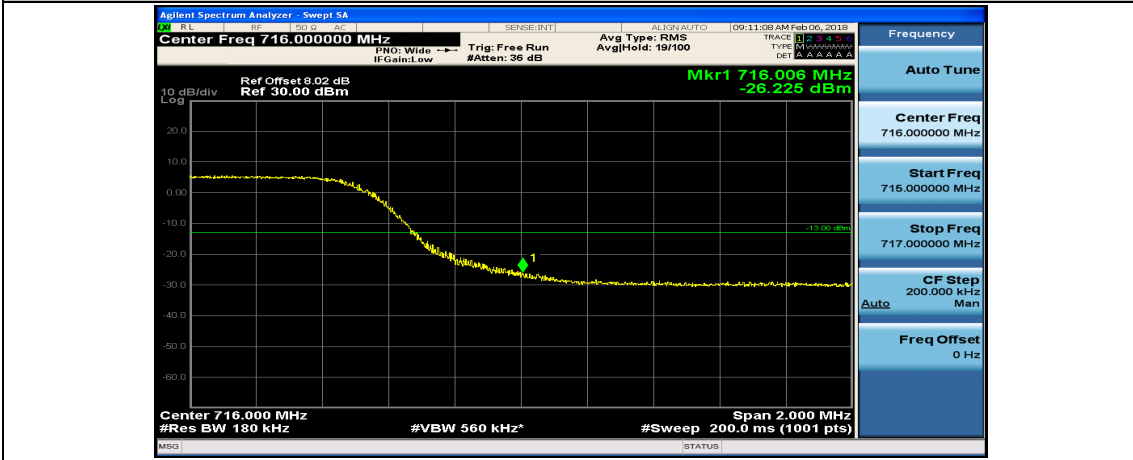
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Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



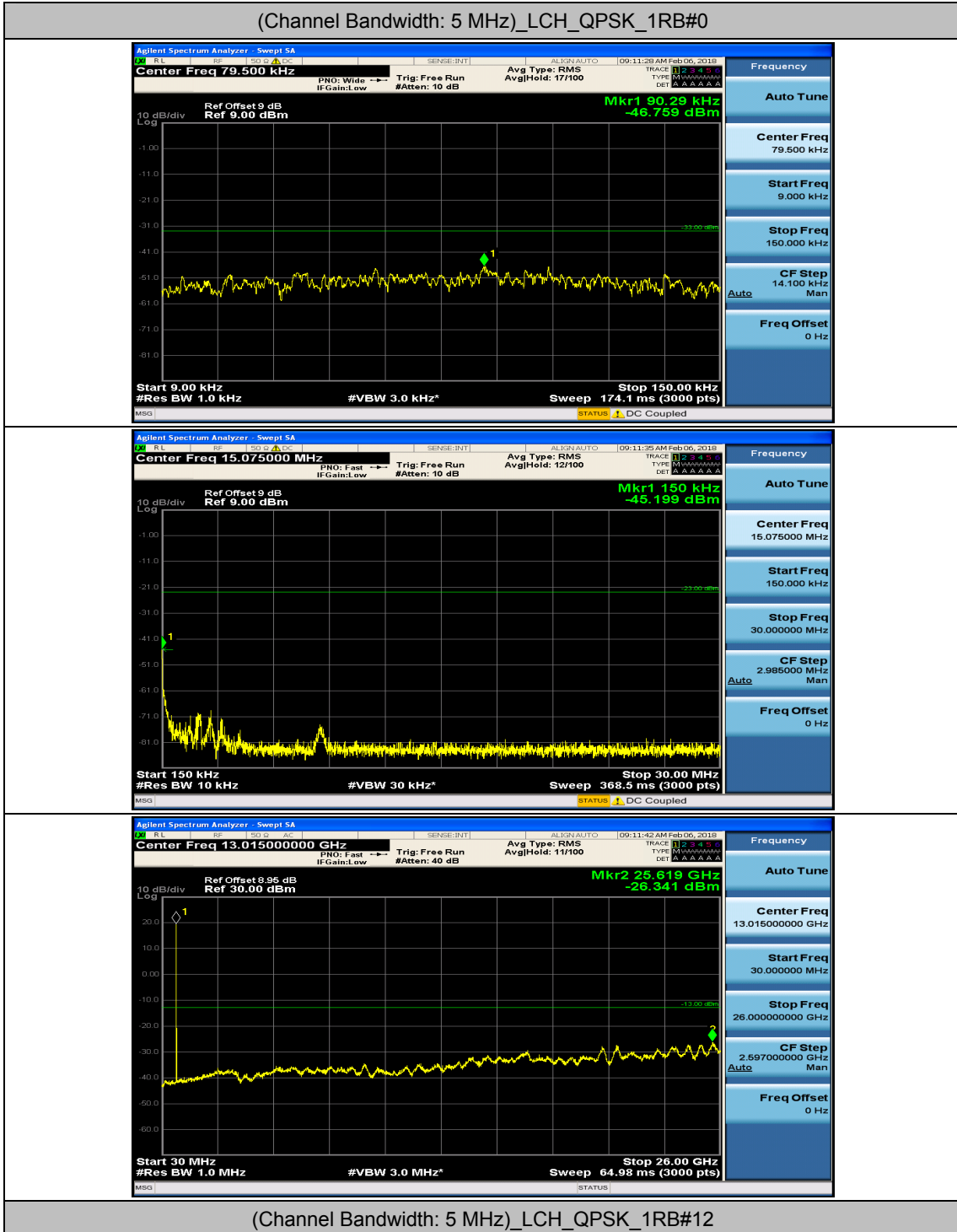
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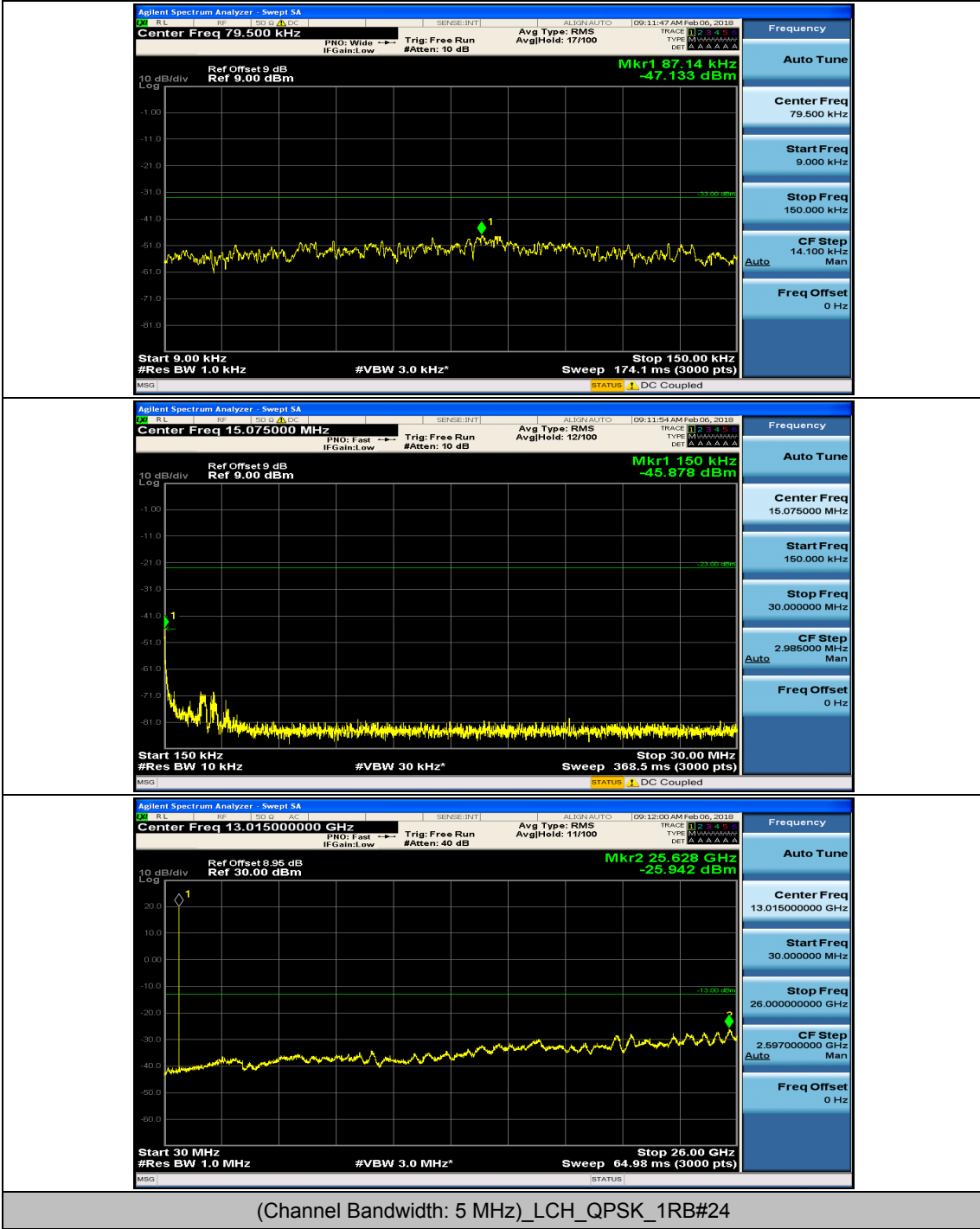


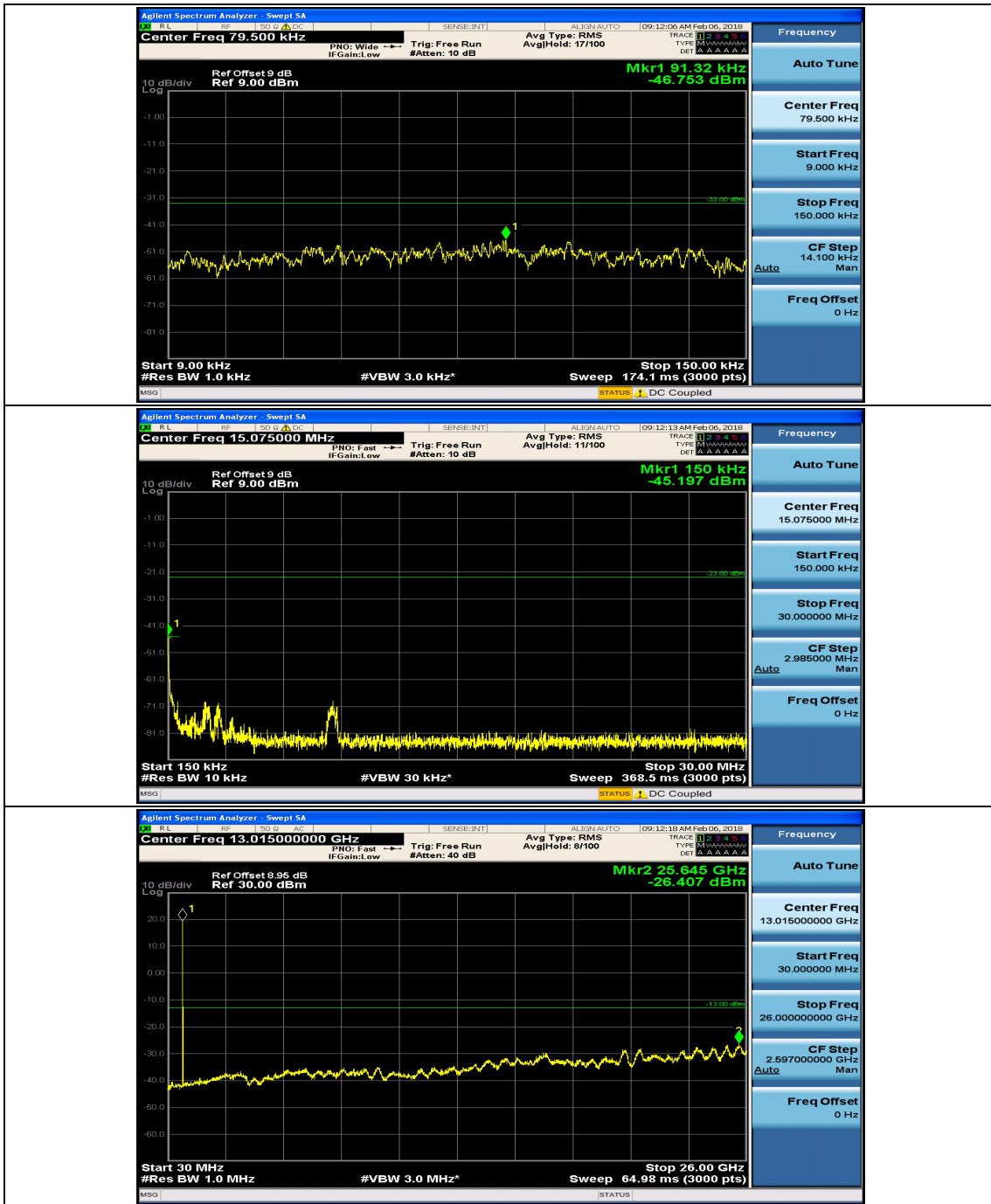
Appendix E: Conducted Spurious Emission

Test Graphs

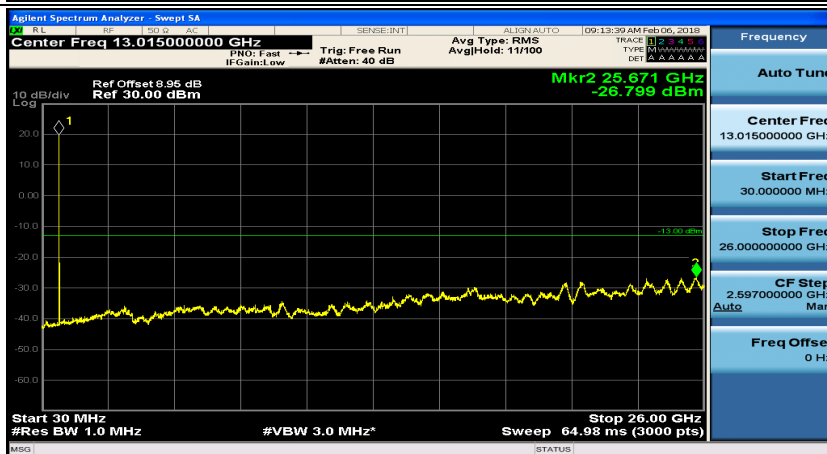
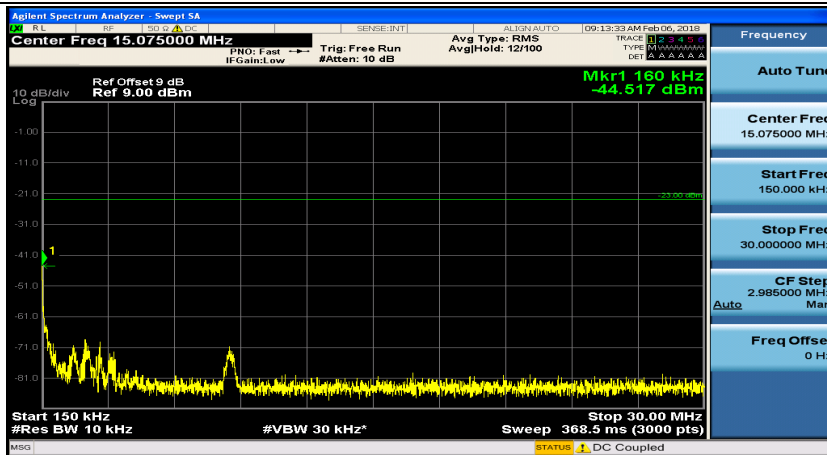
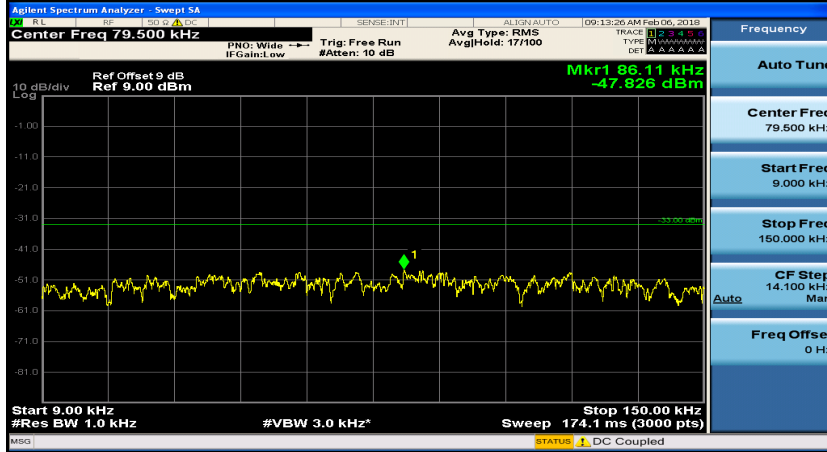
Channel Bandwidth: 5 MHz



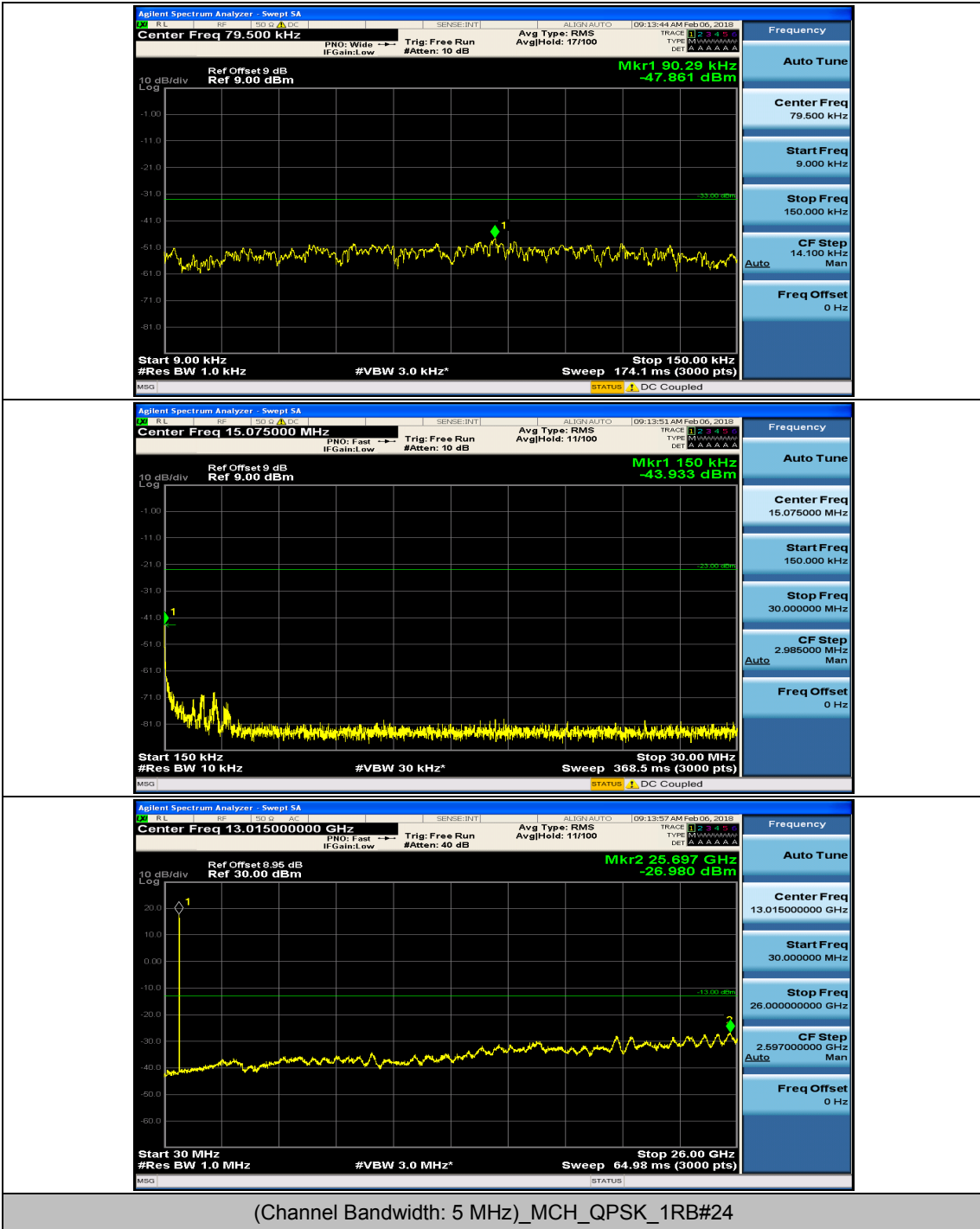


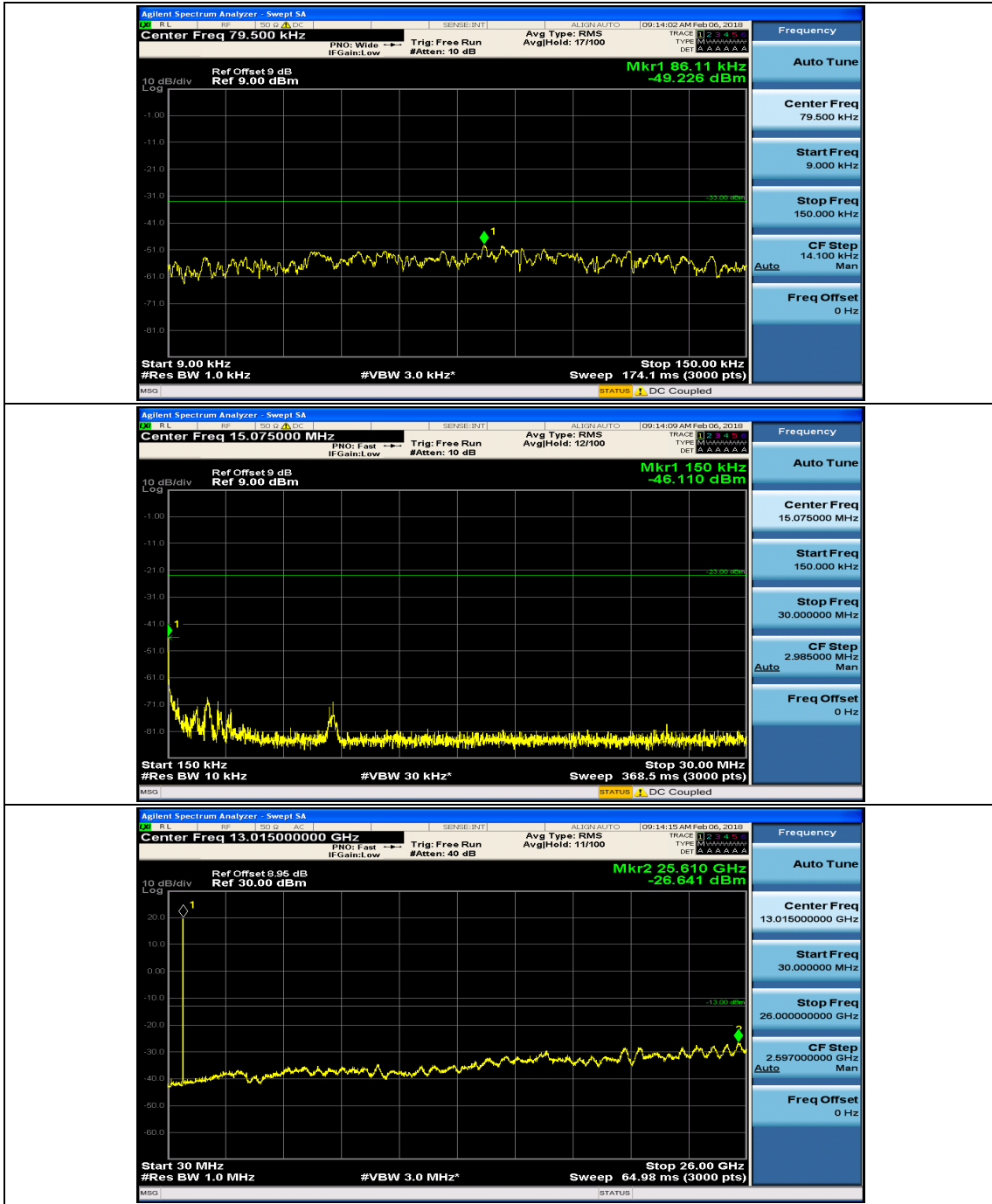


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

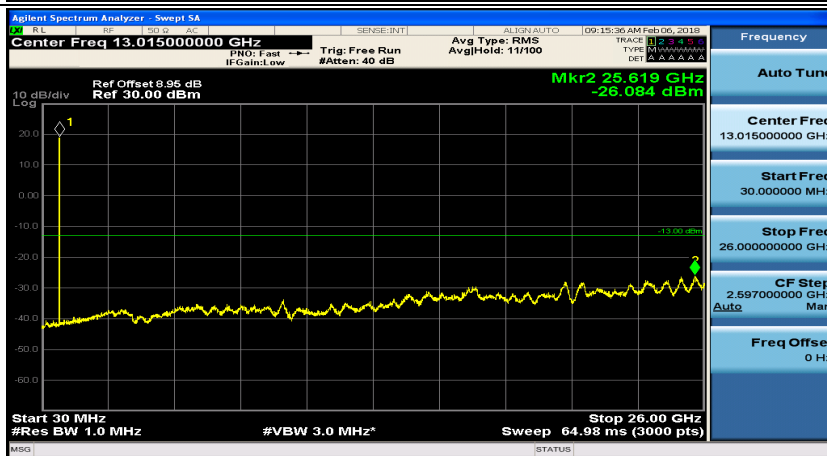
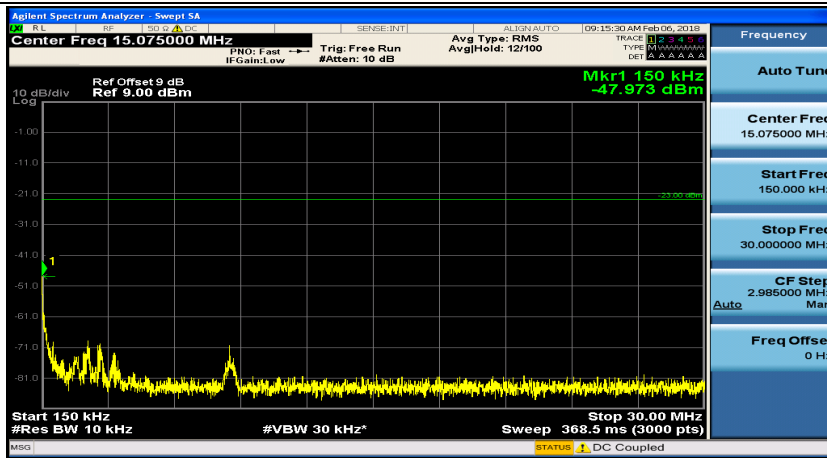
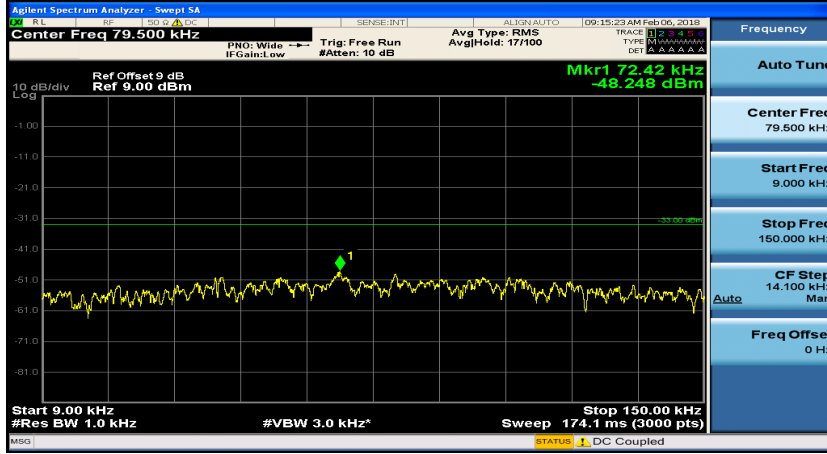


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

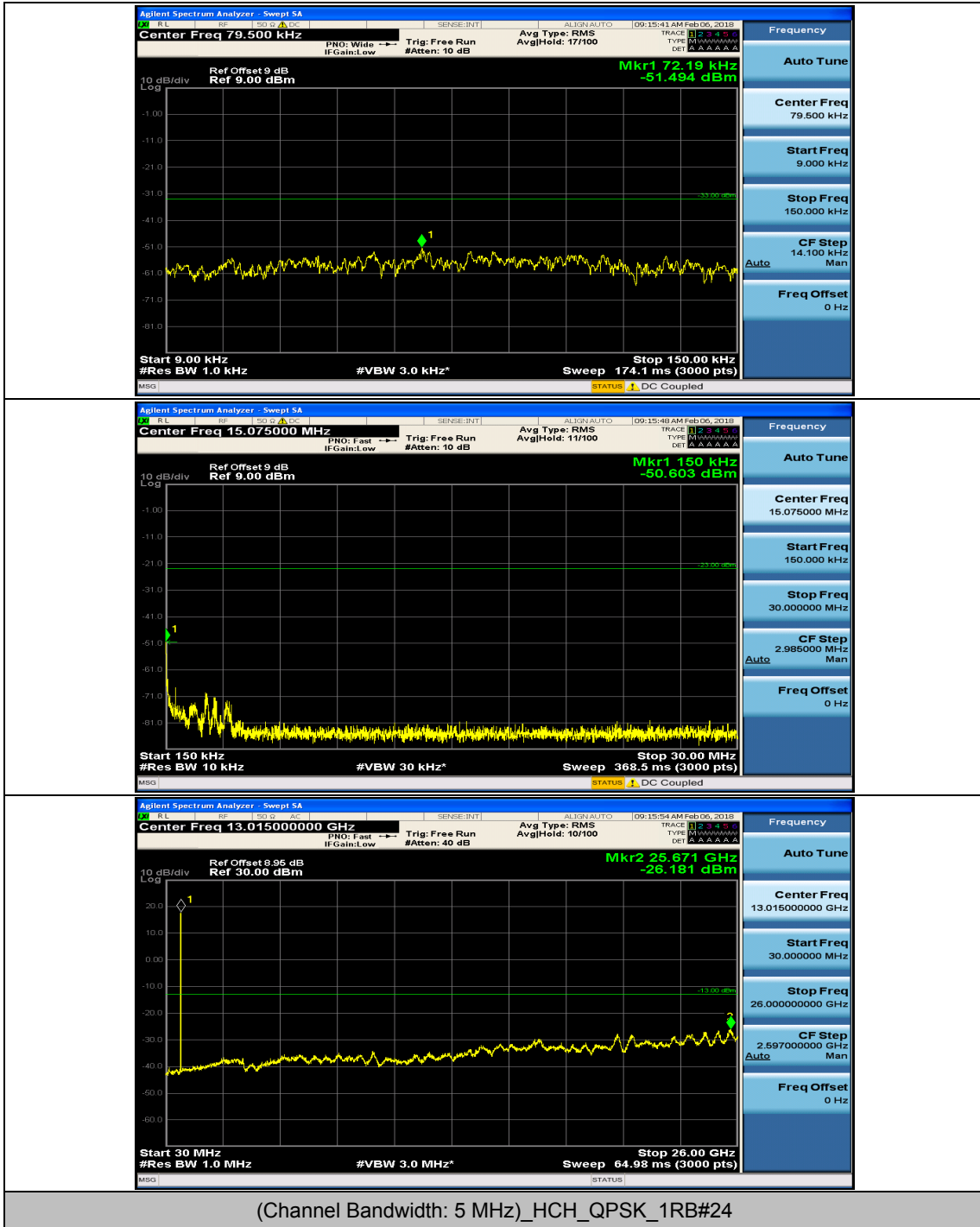


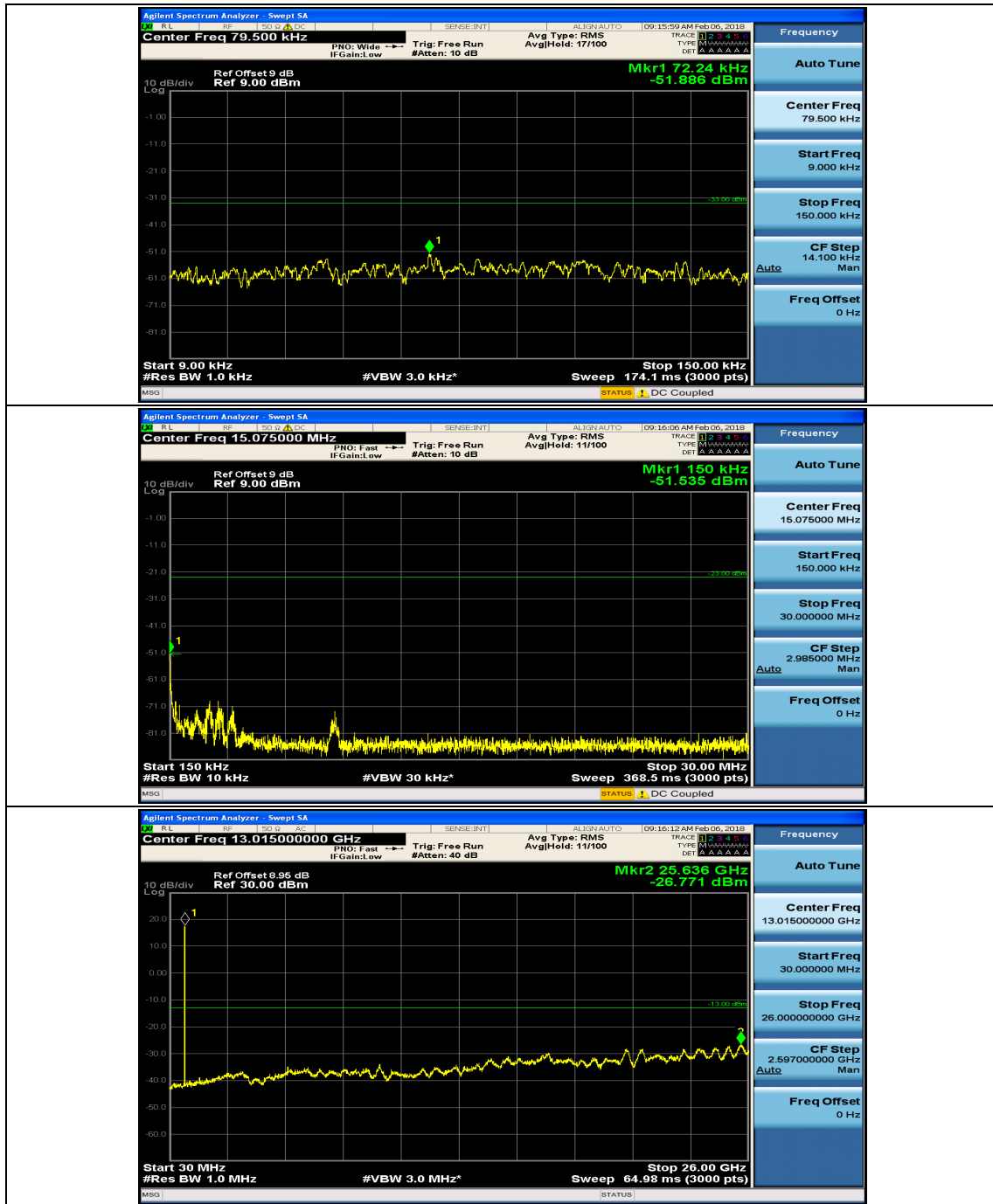


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

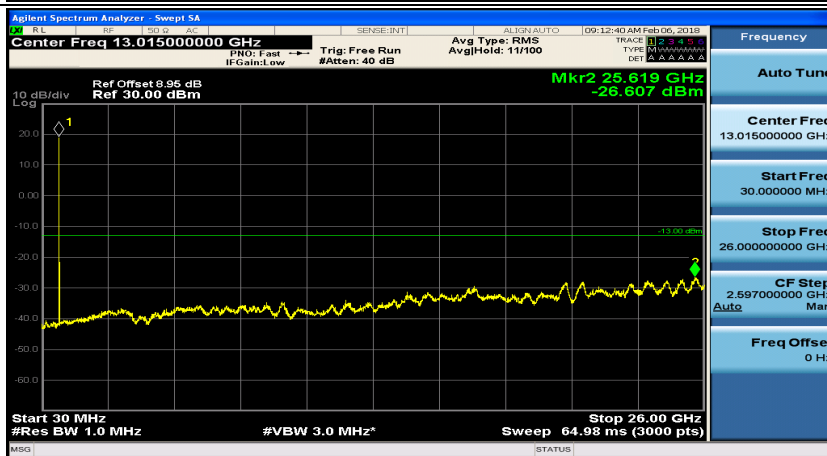
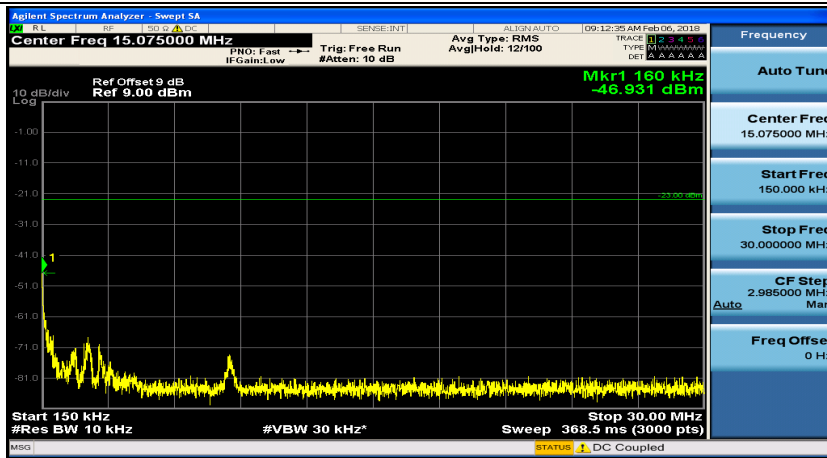
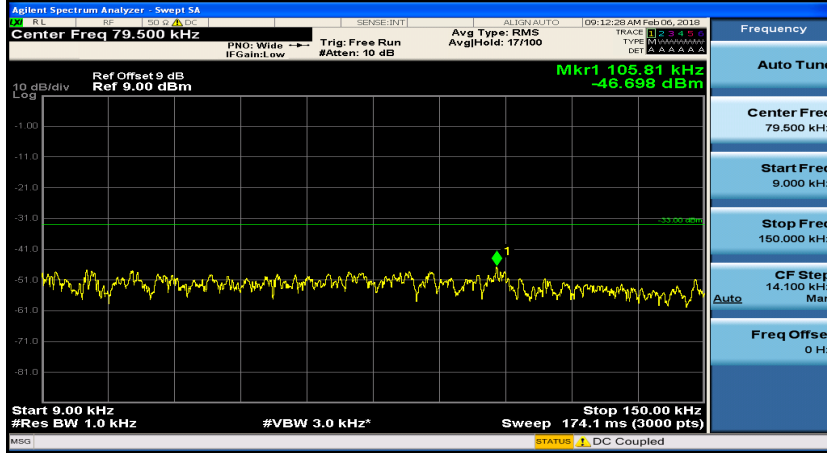


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

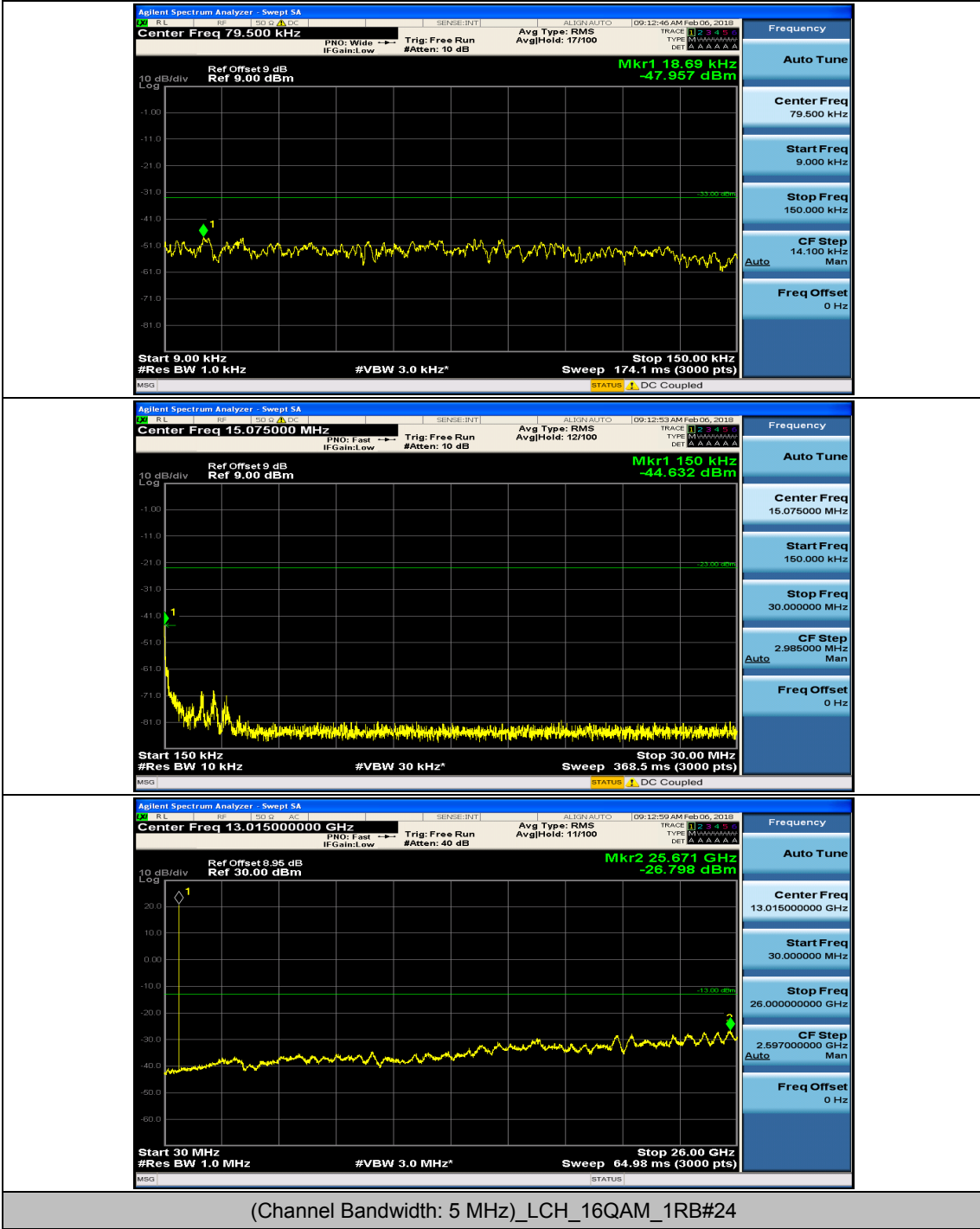


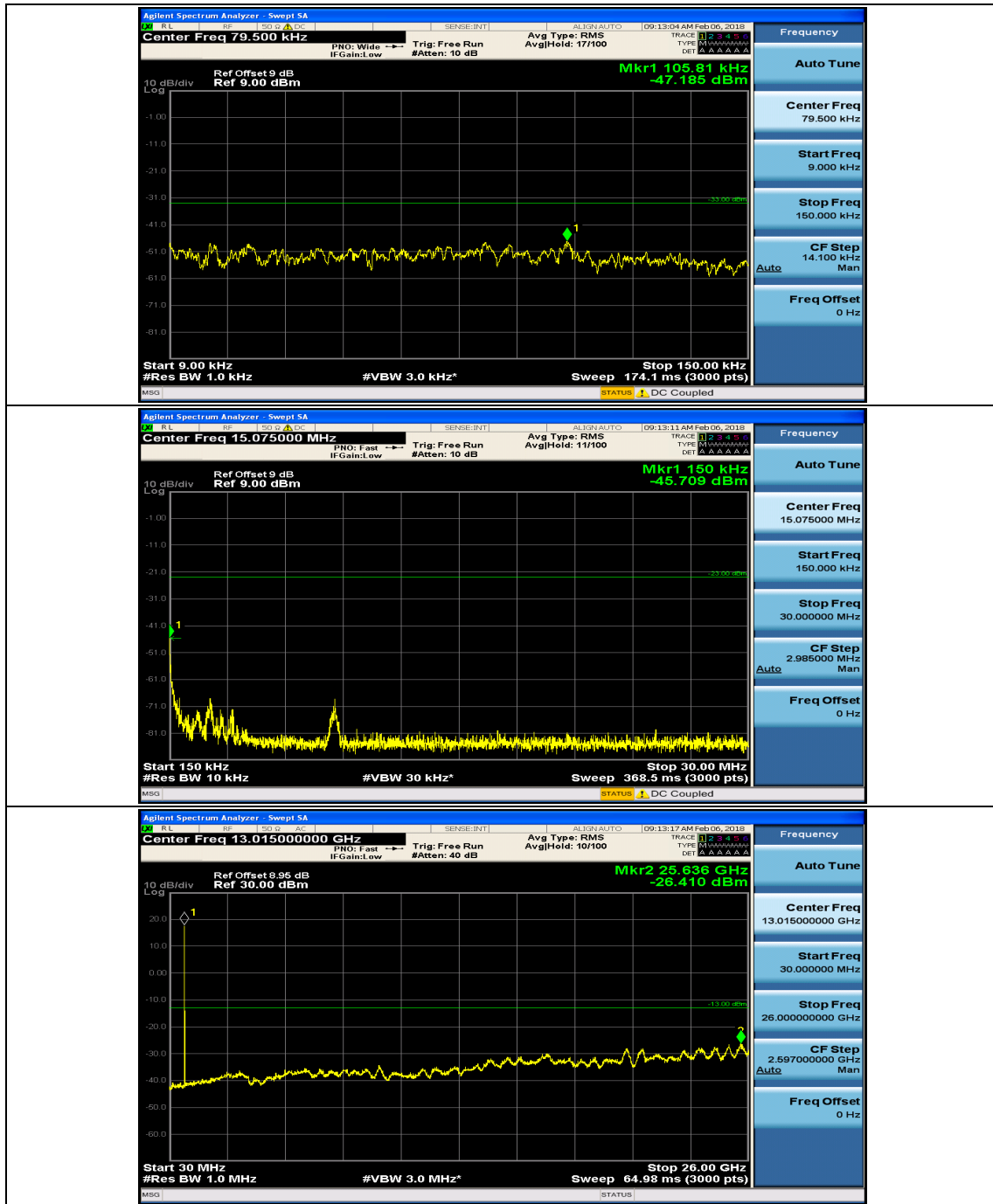


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

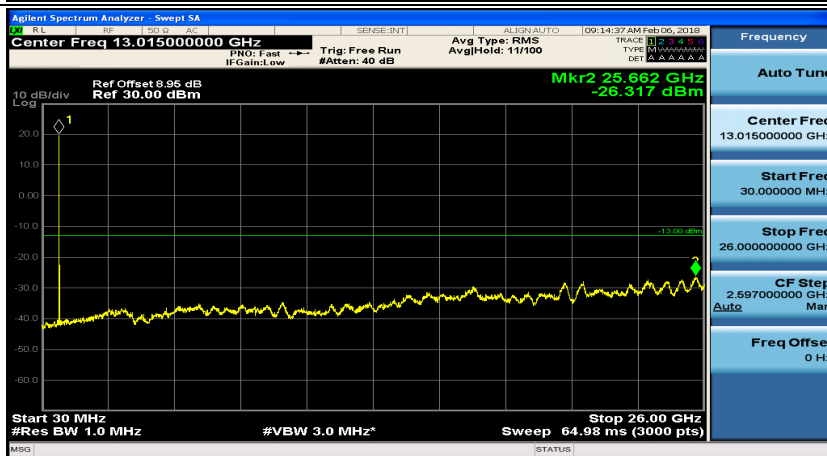
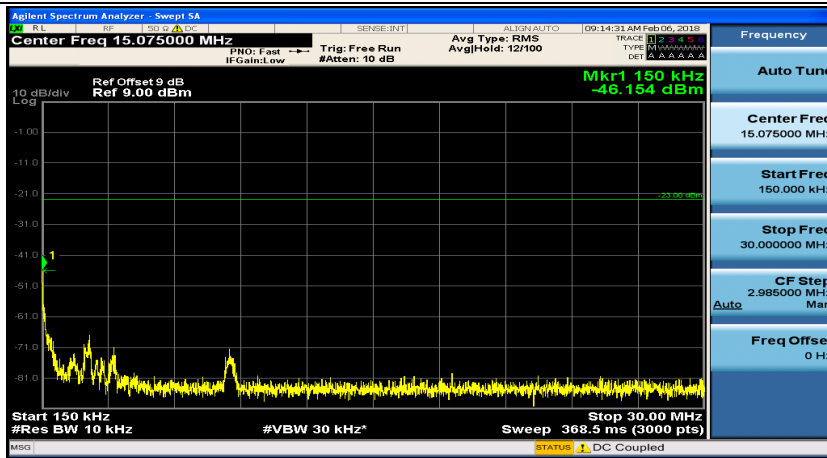
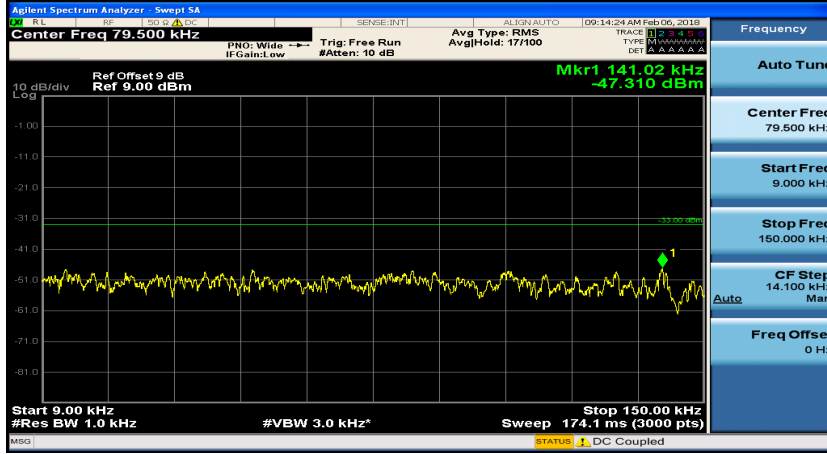


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

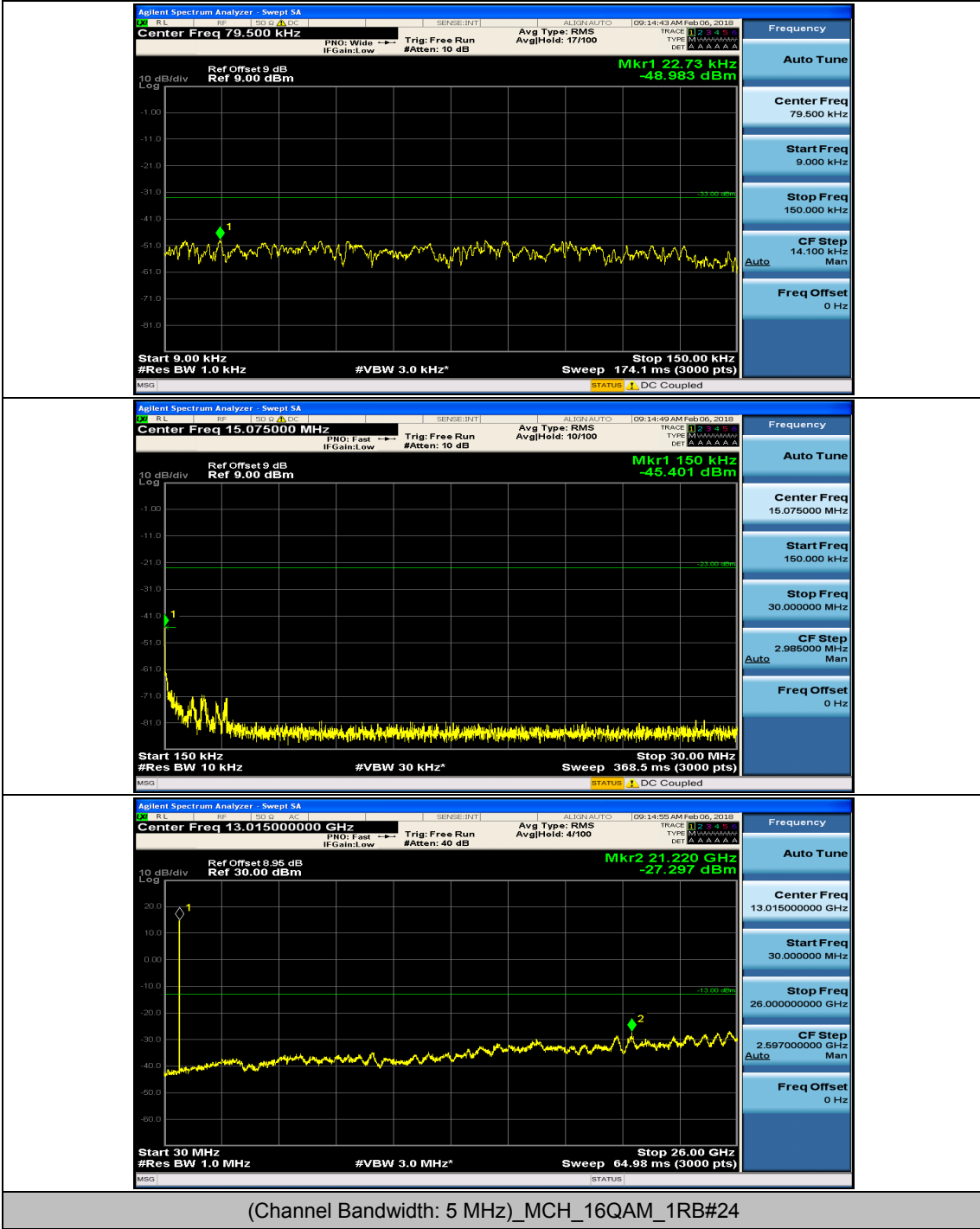


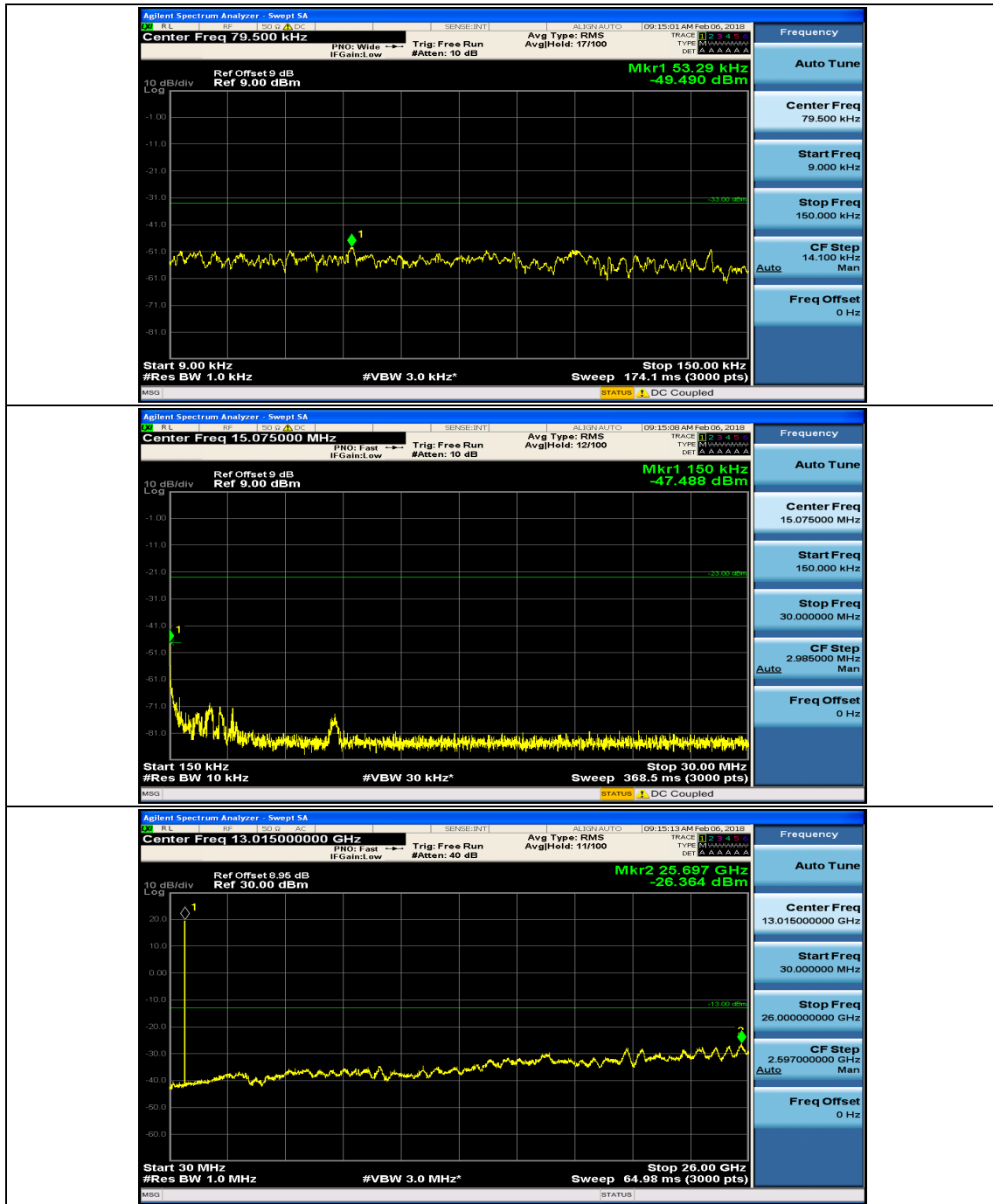


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

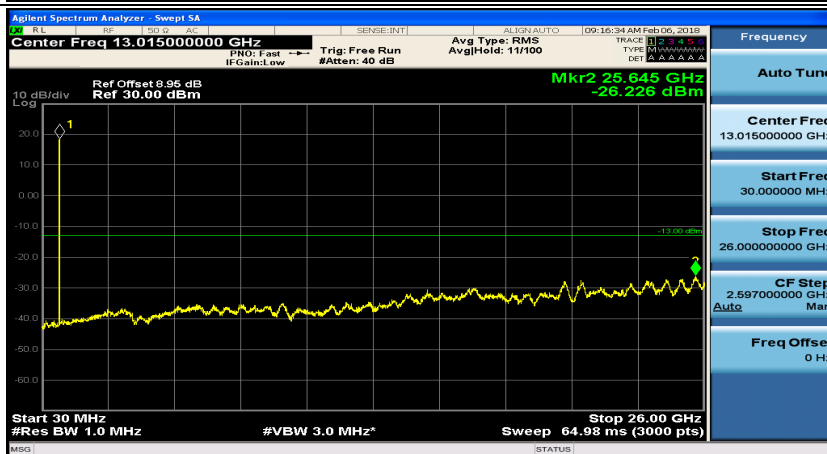
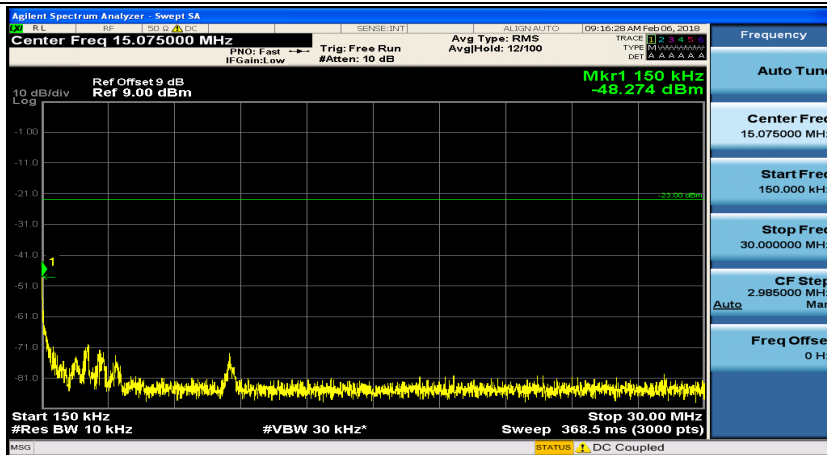
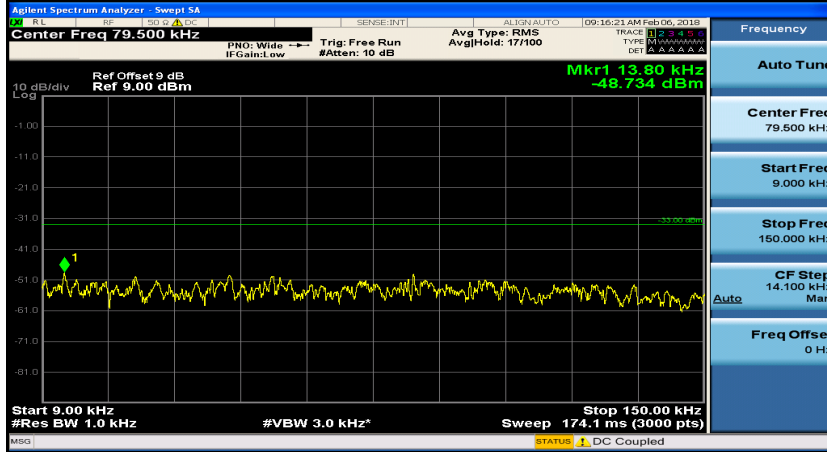


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

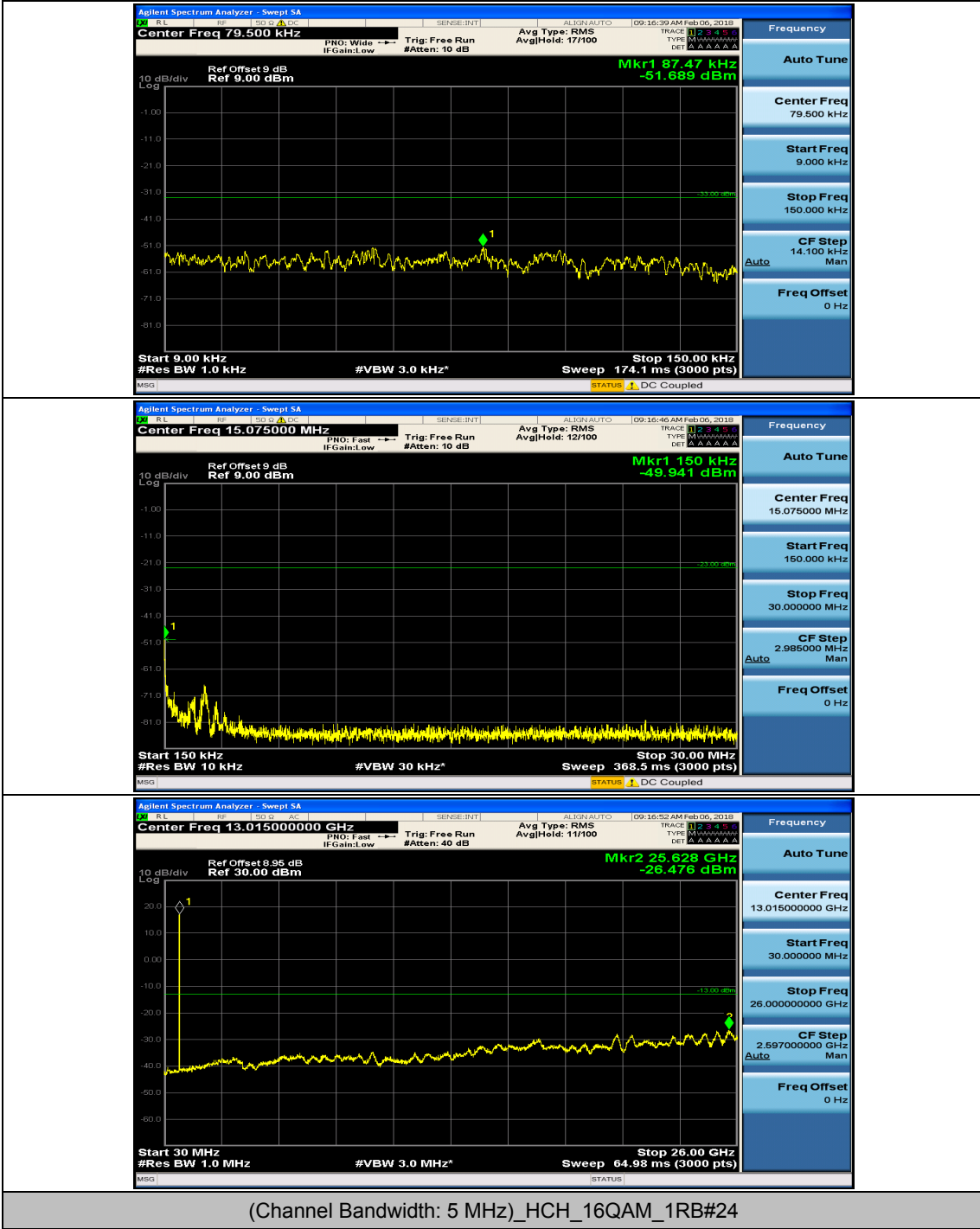


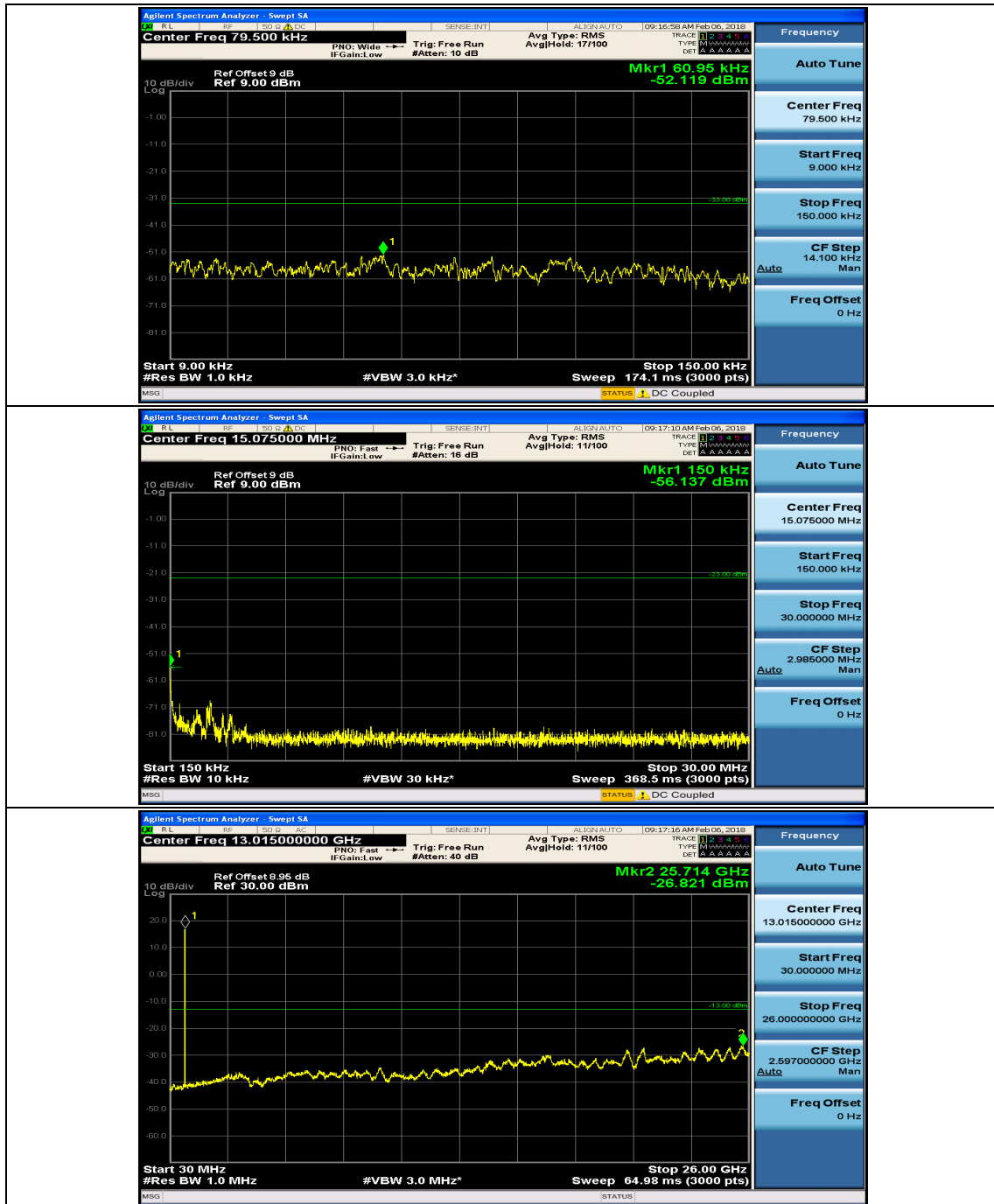


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

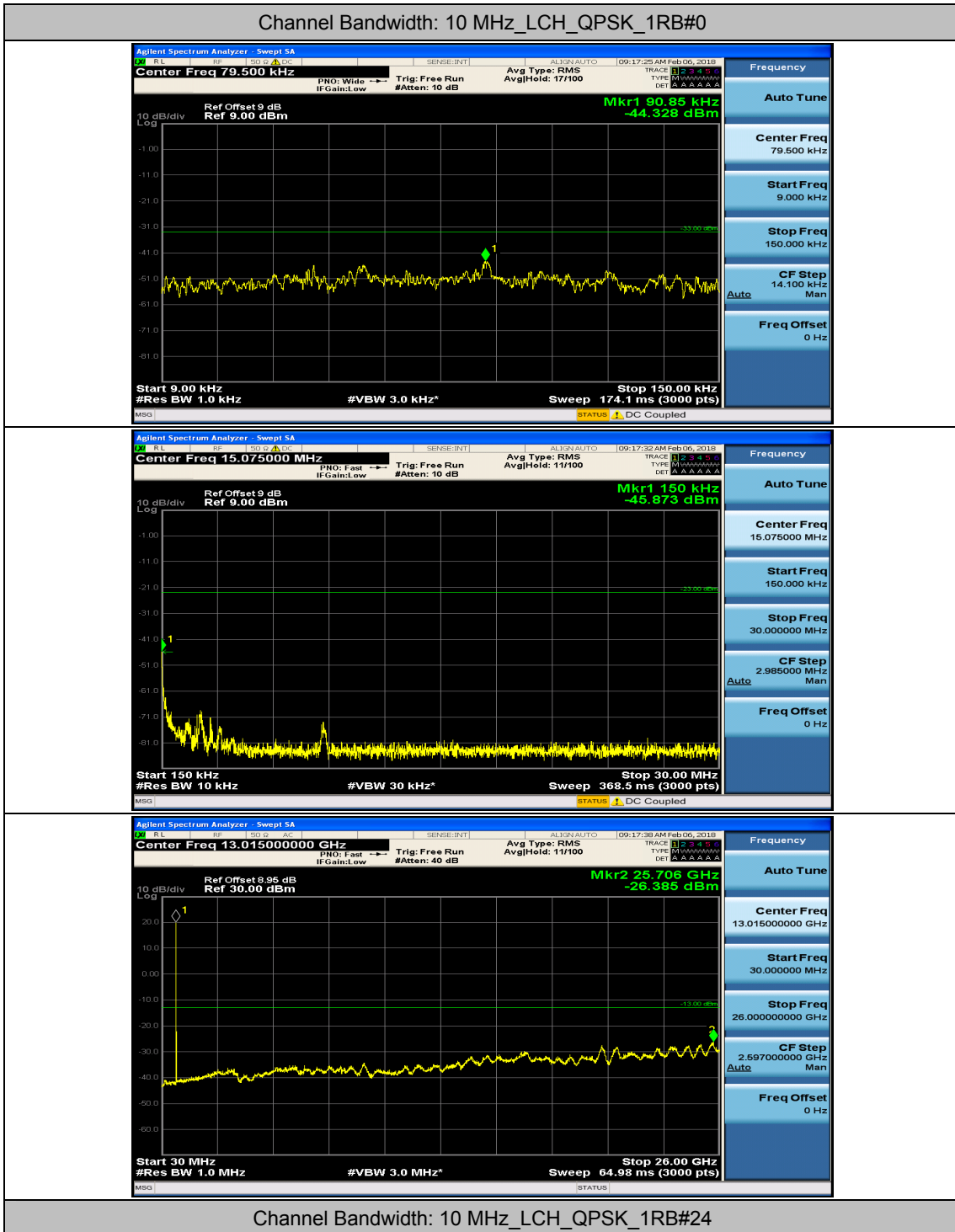


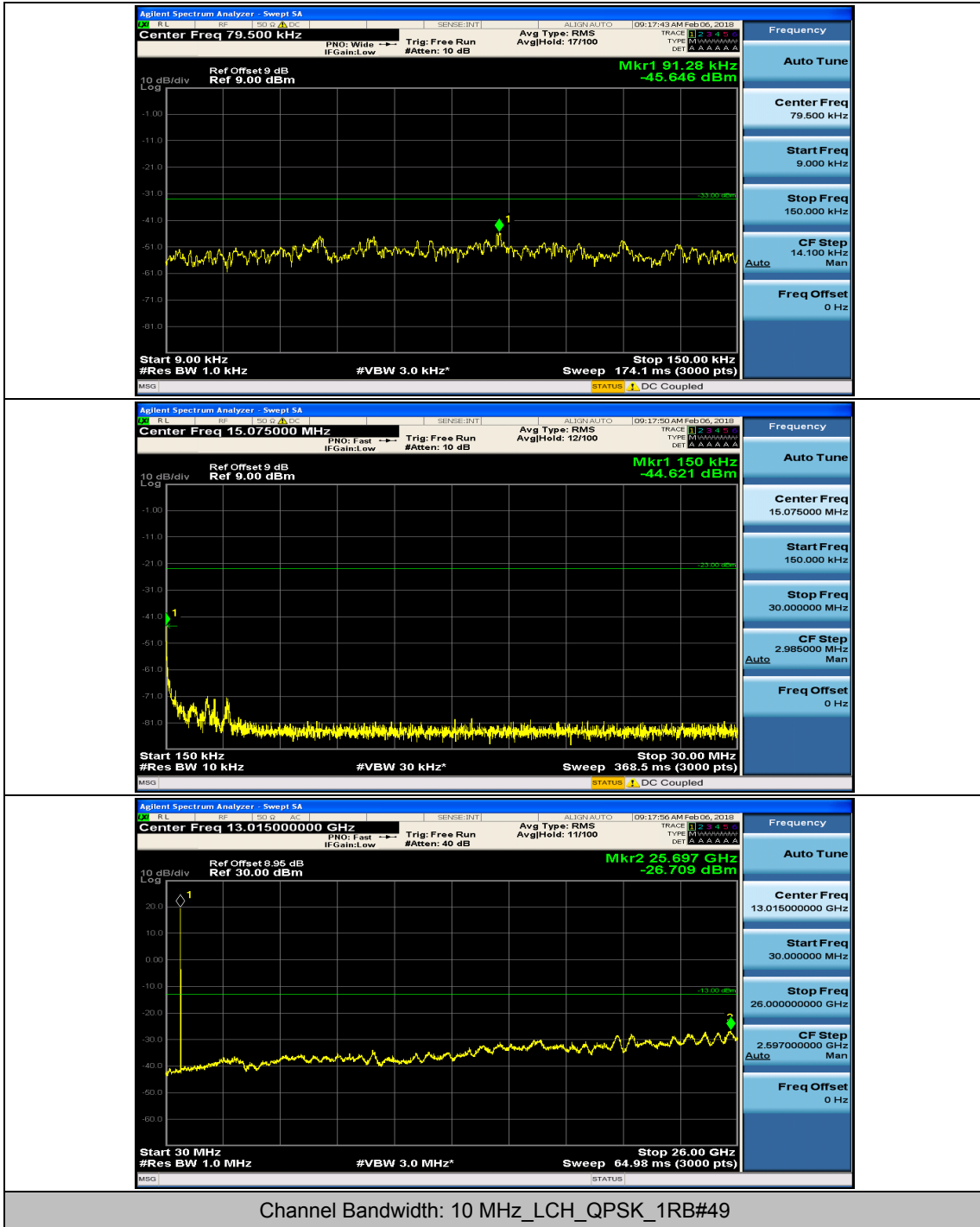
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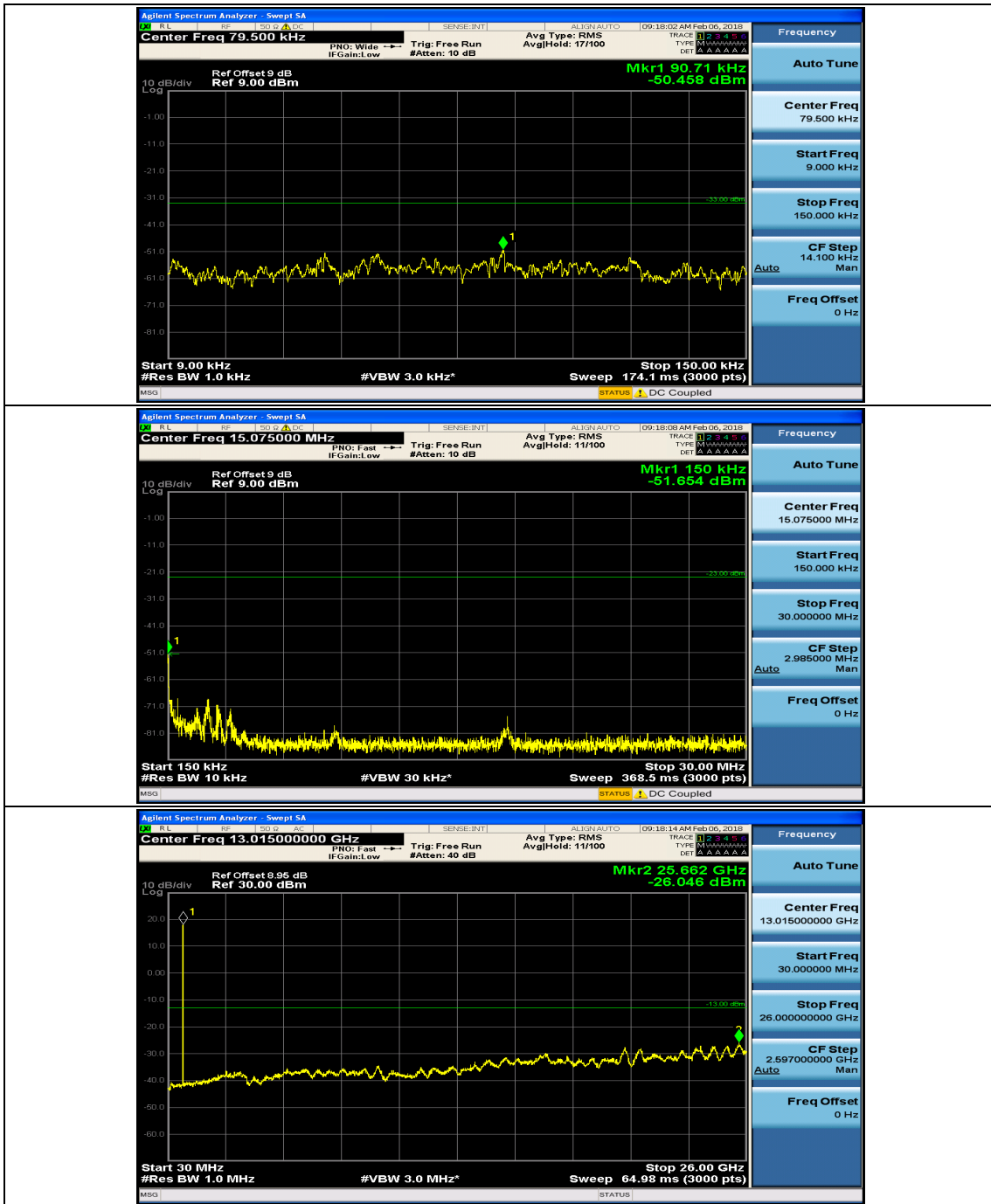




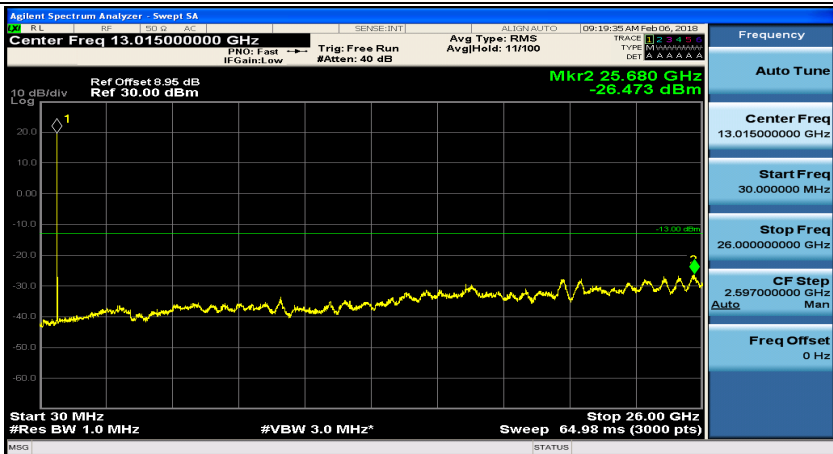
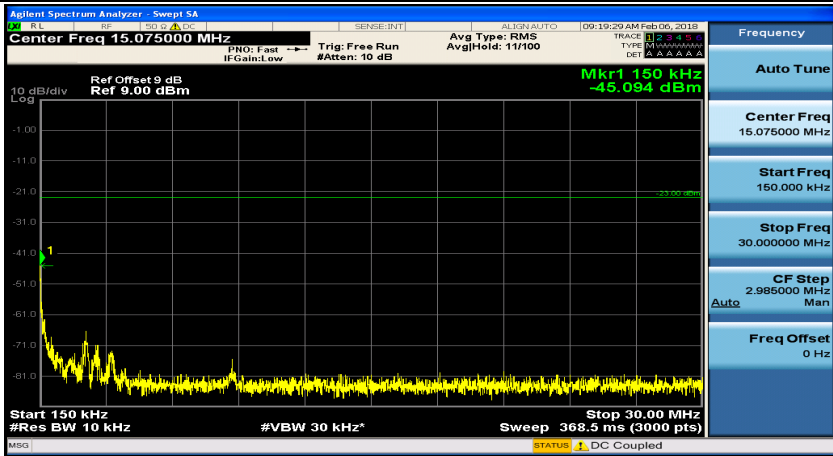
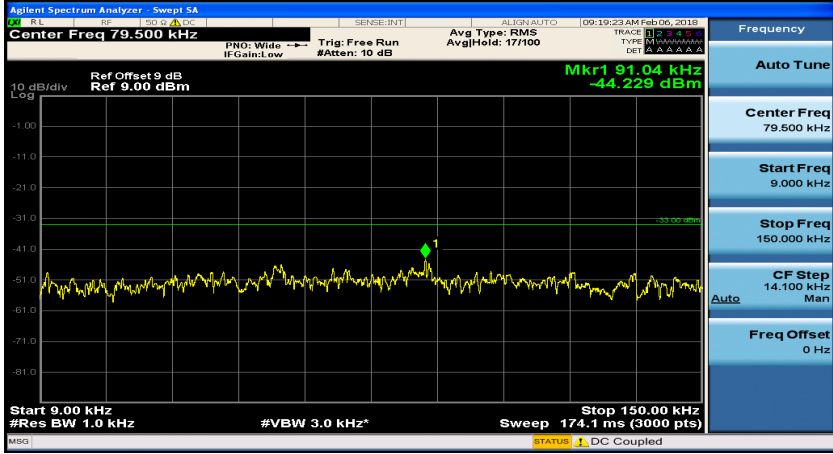
Channel Bandwidth: 10 MHz



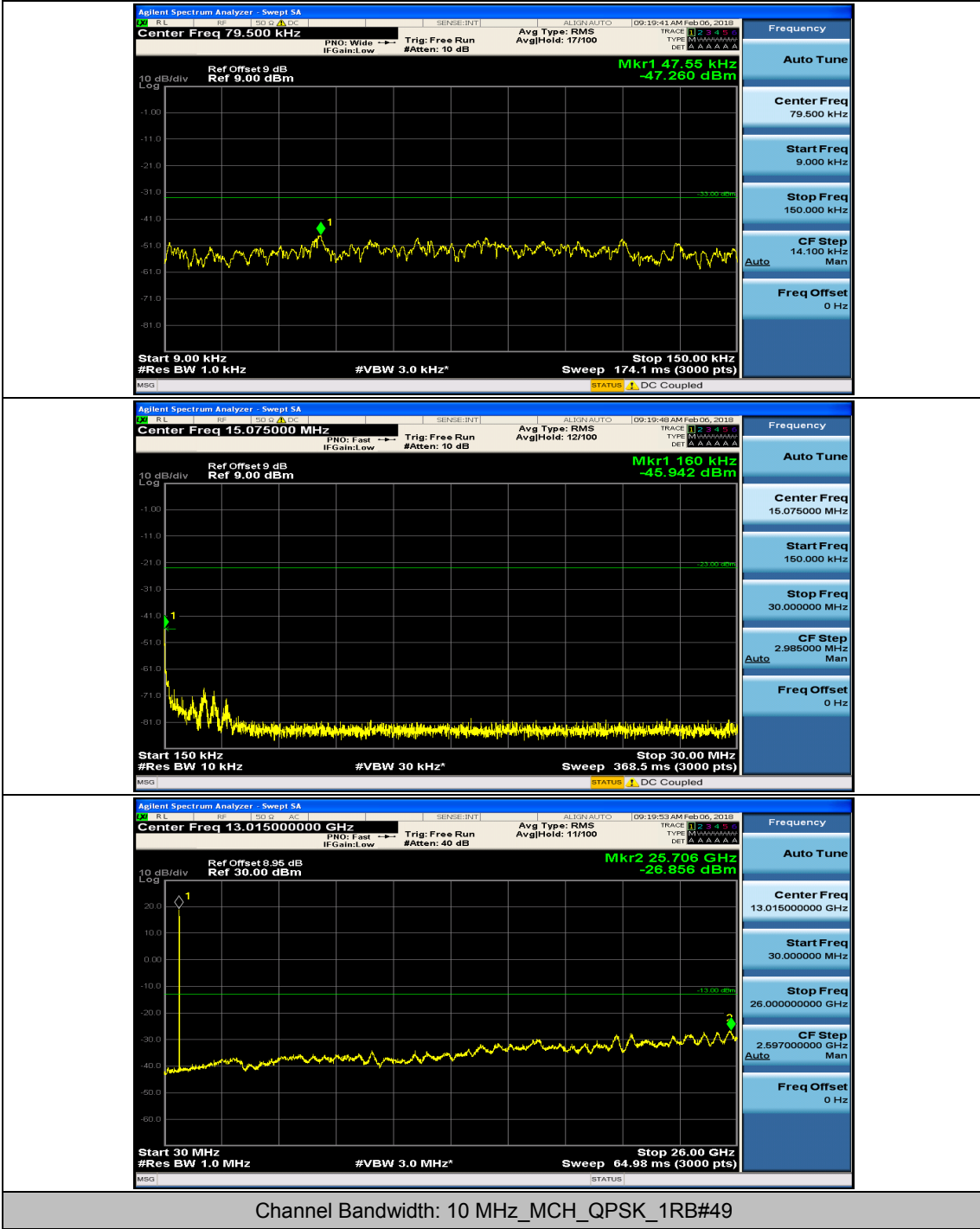


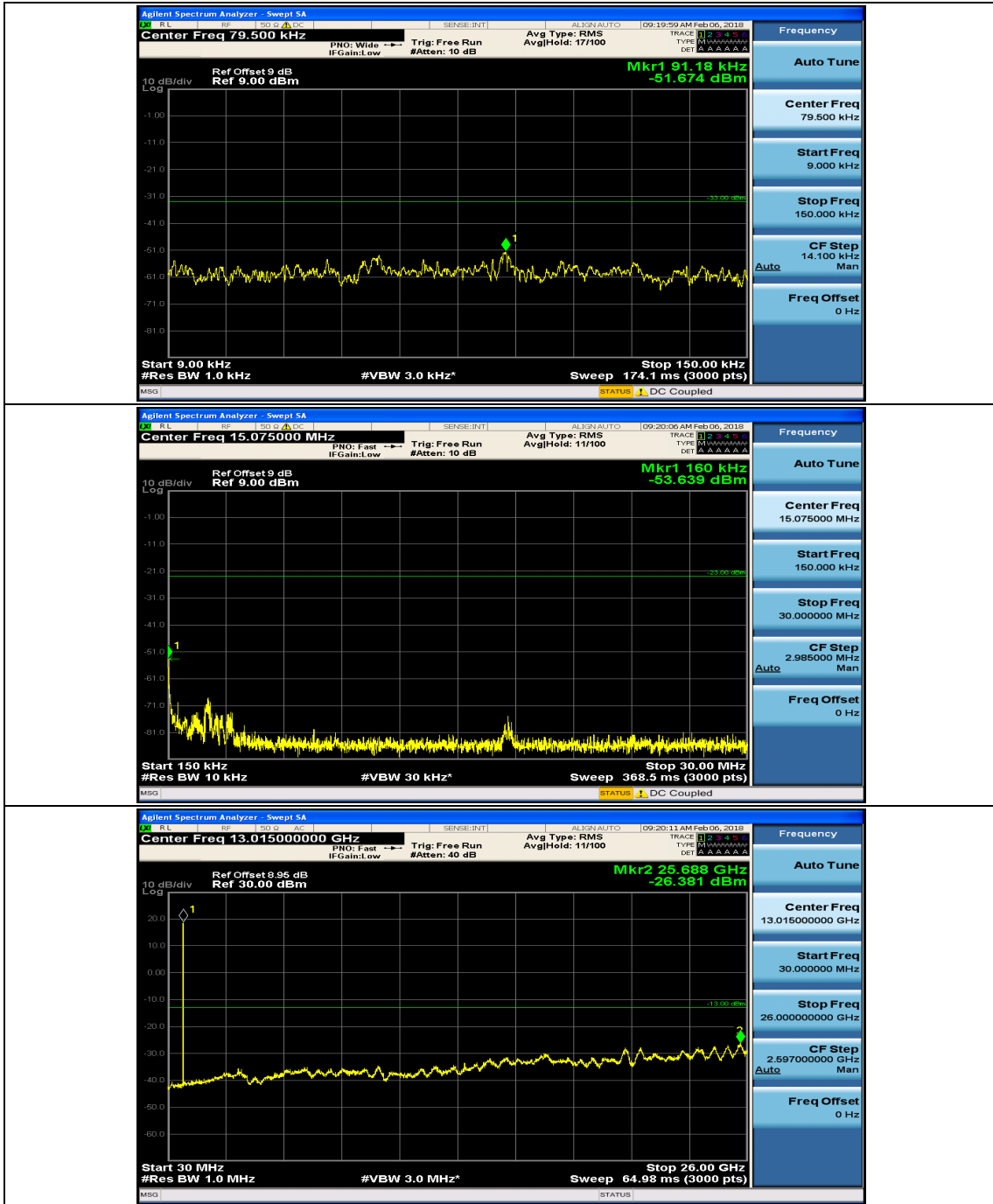


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

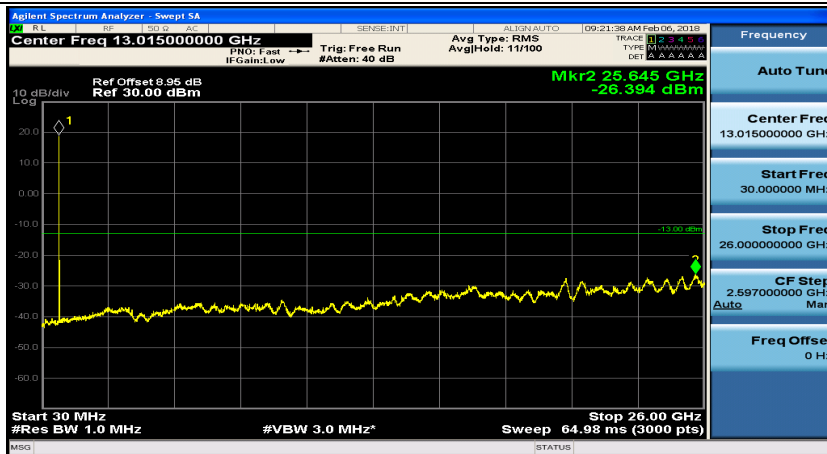
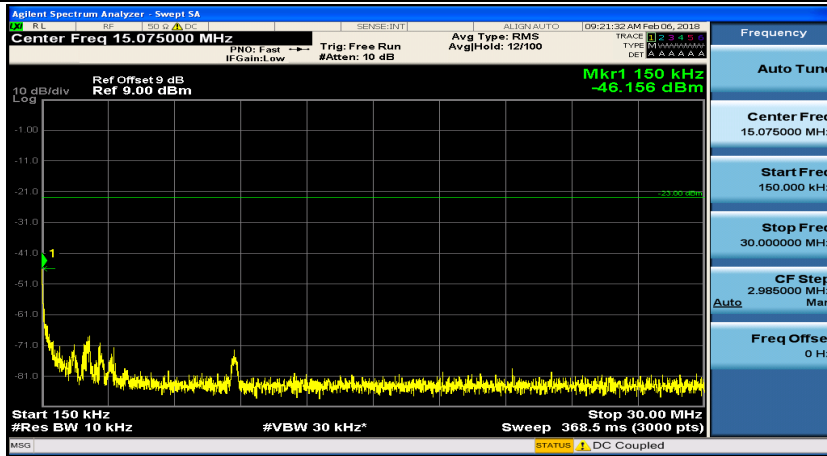
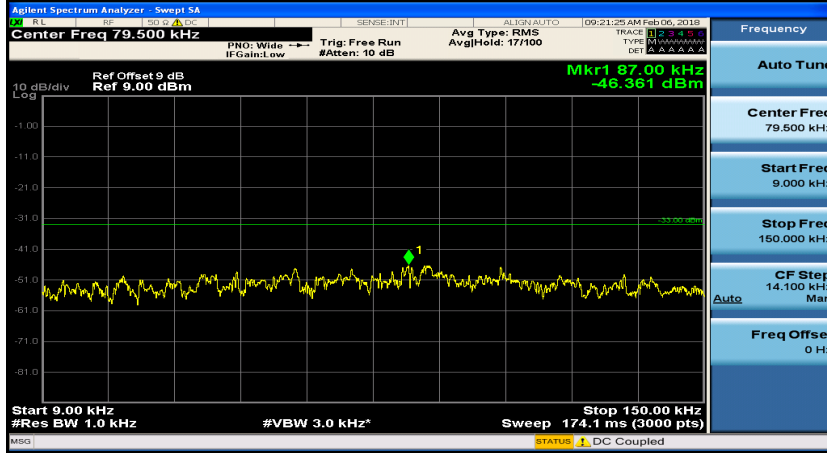


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

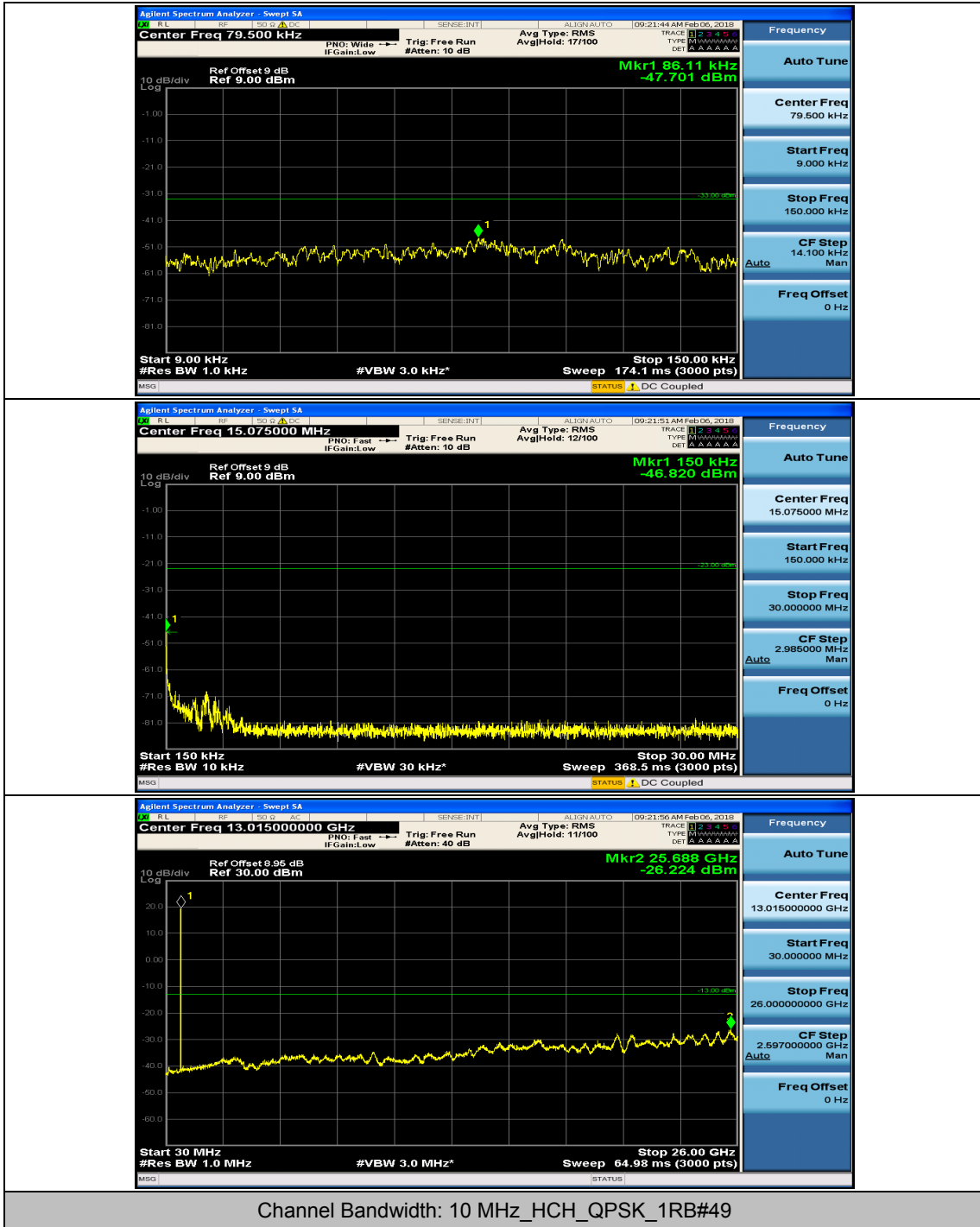


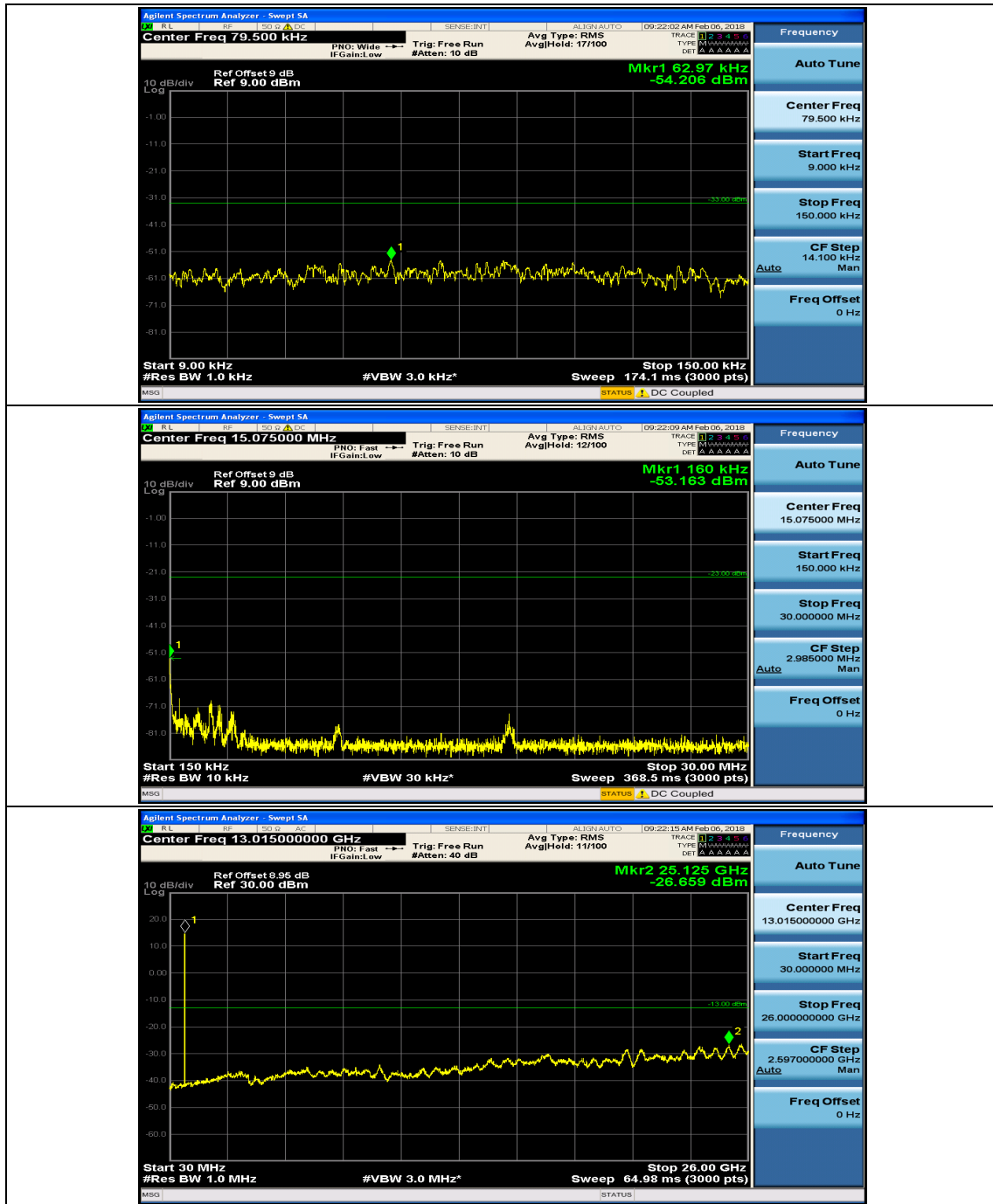


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

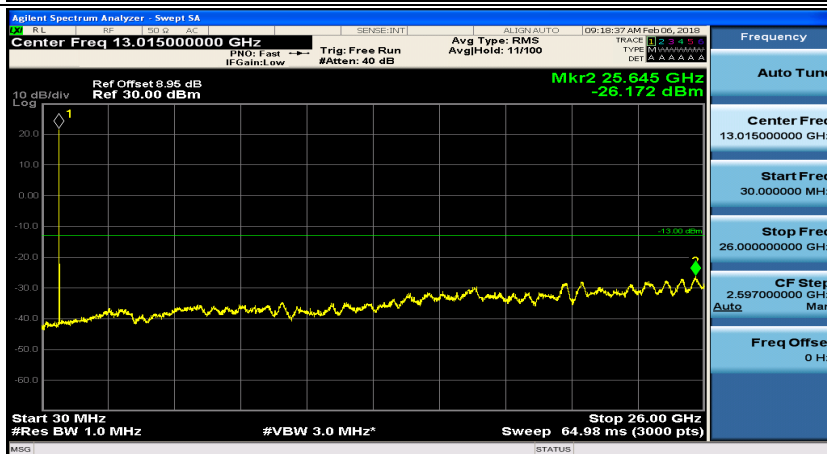
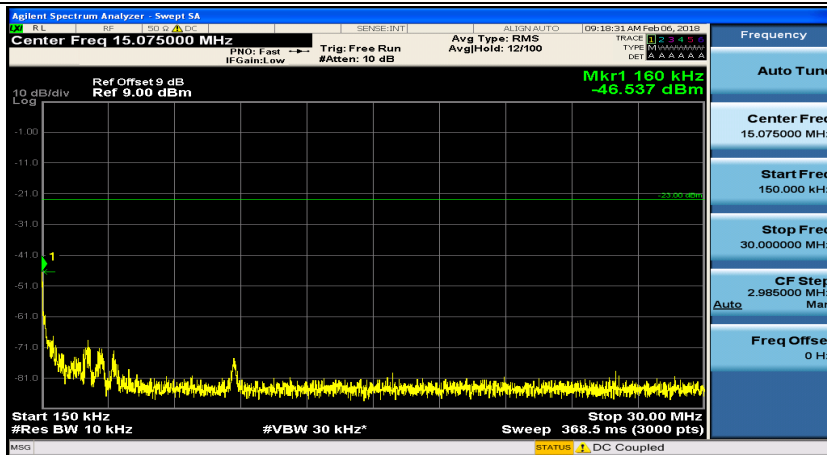
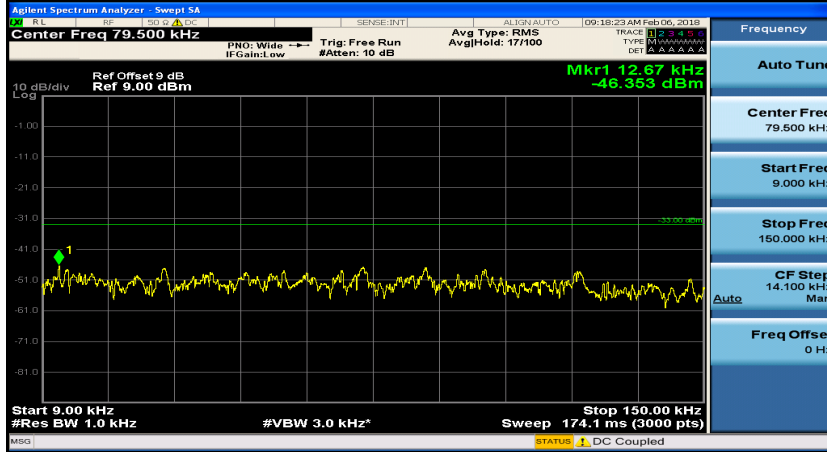


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

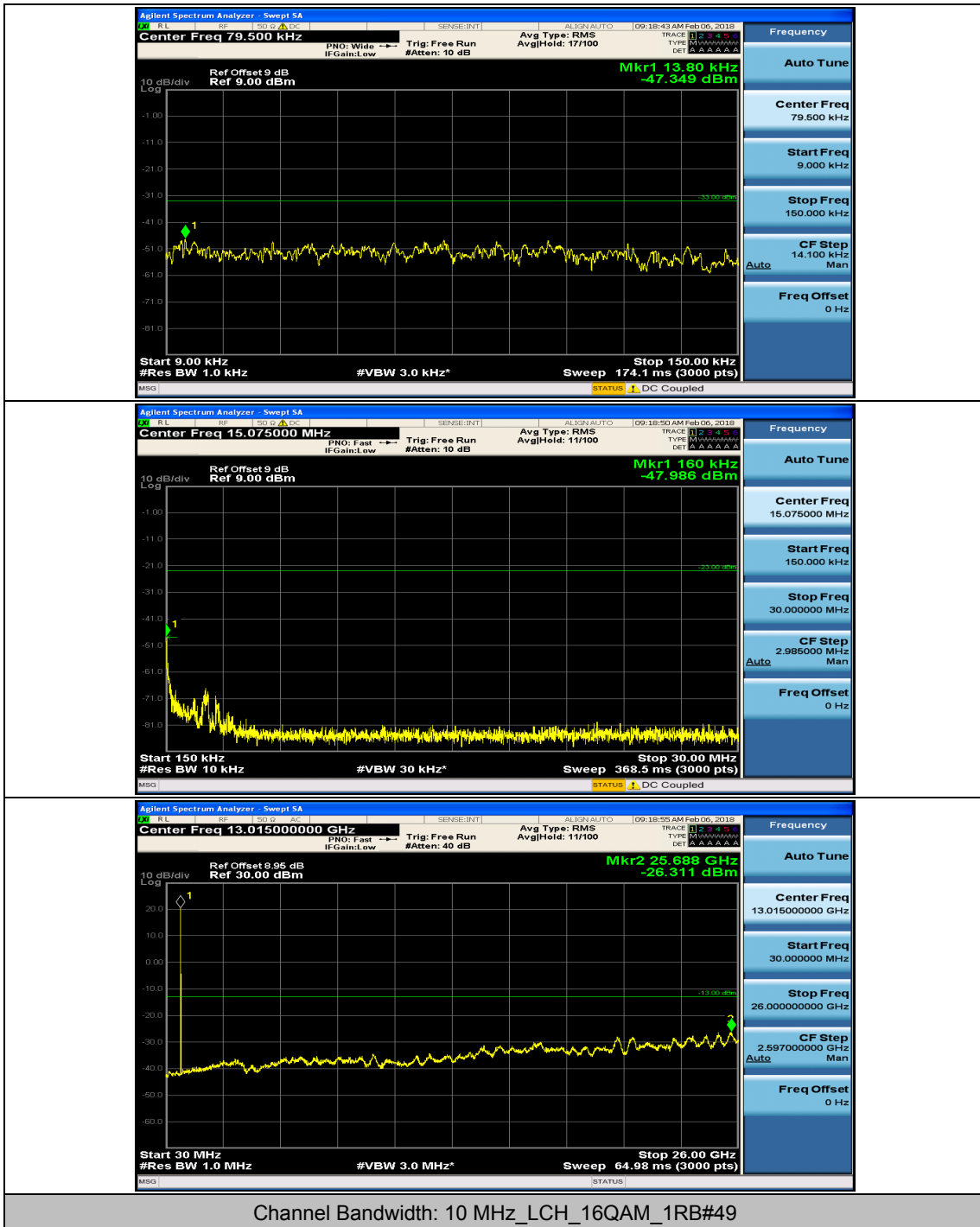


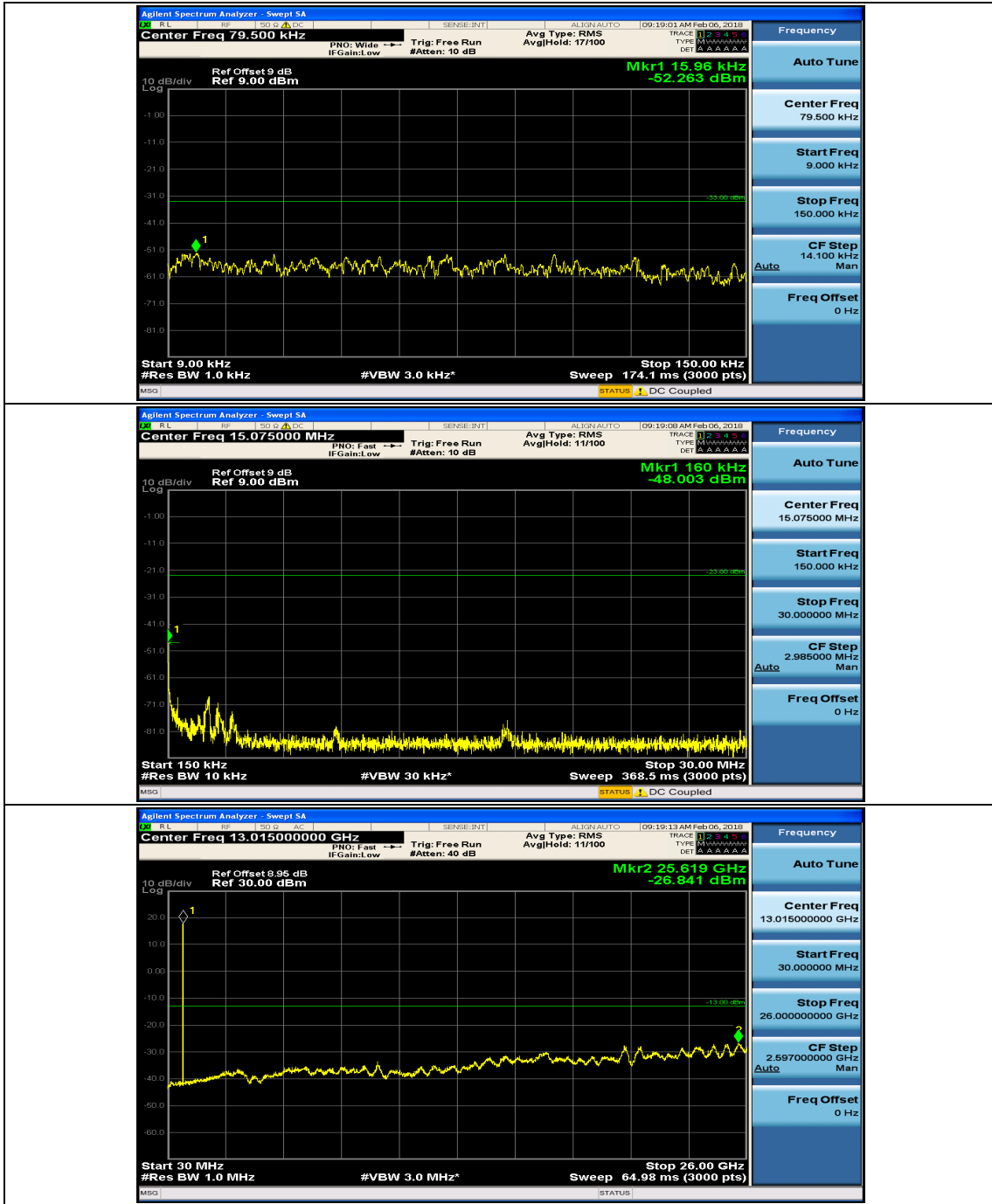


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

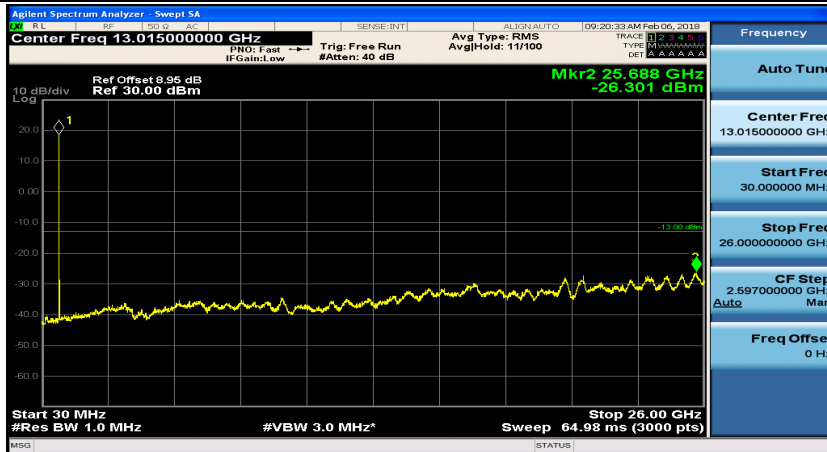
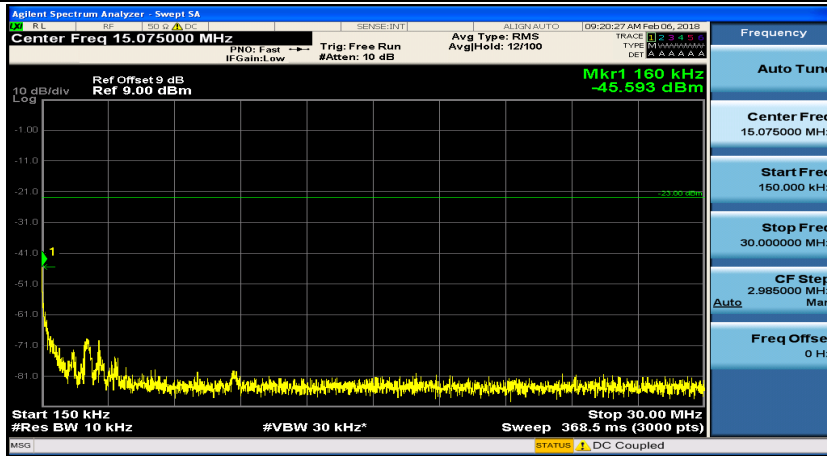
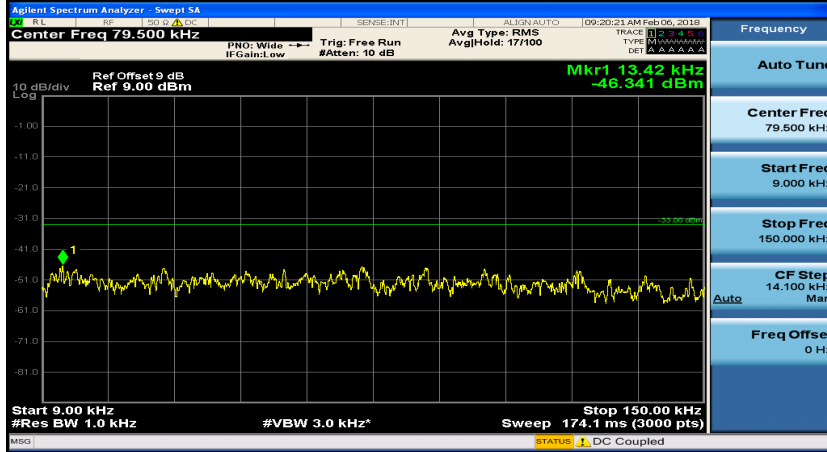


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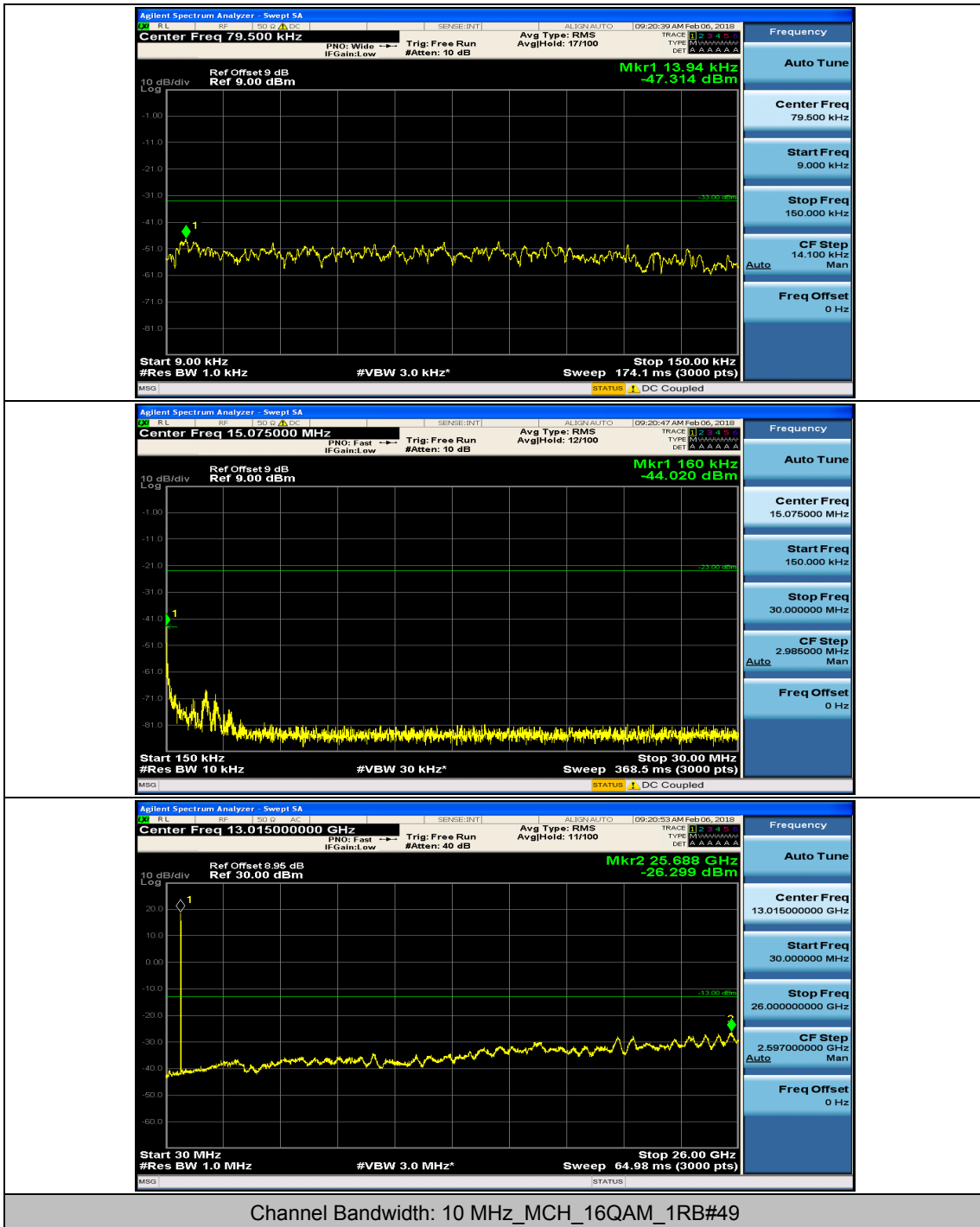


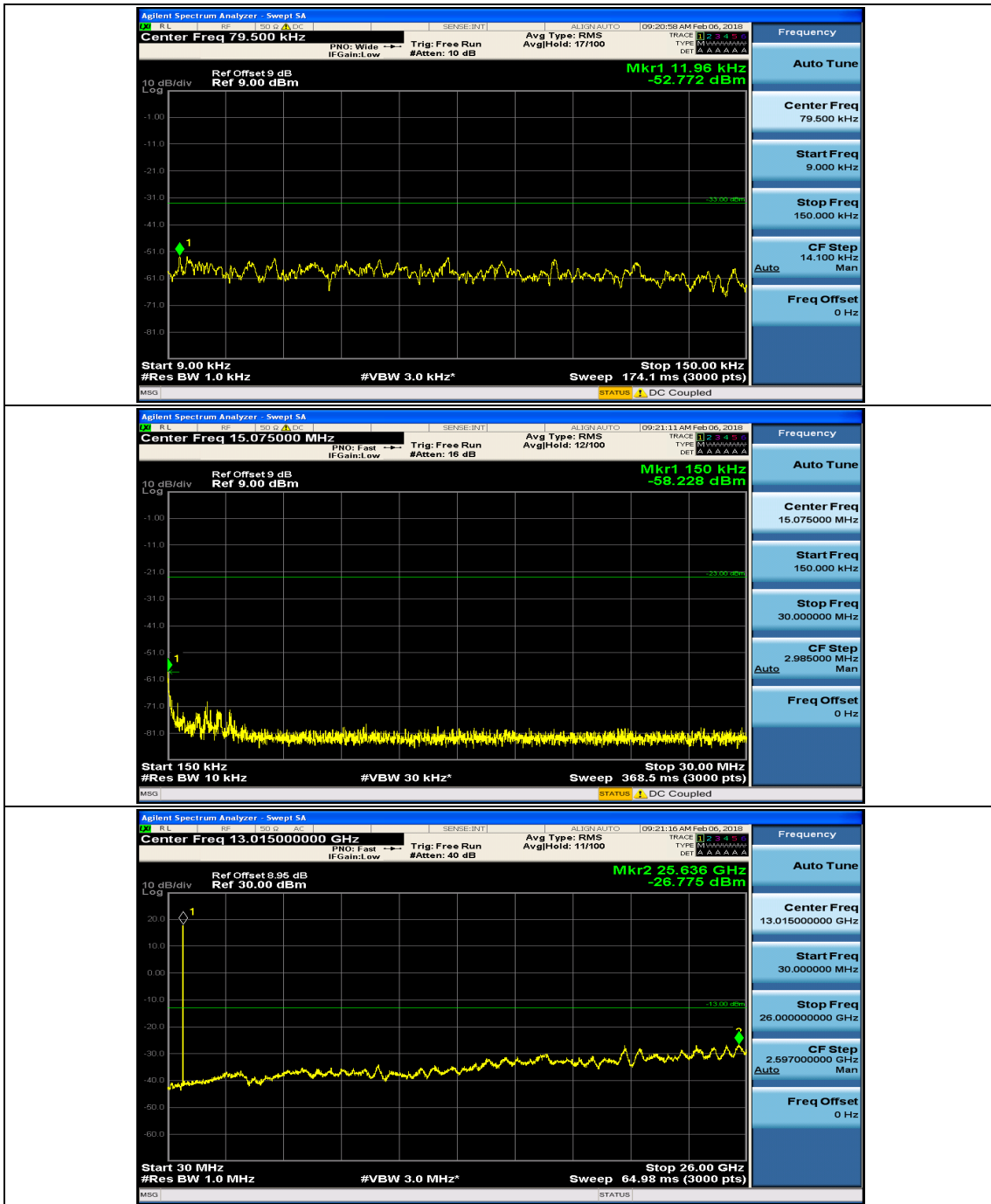


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

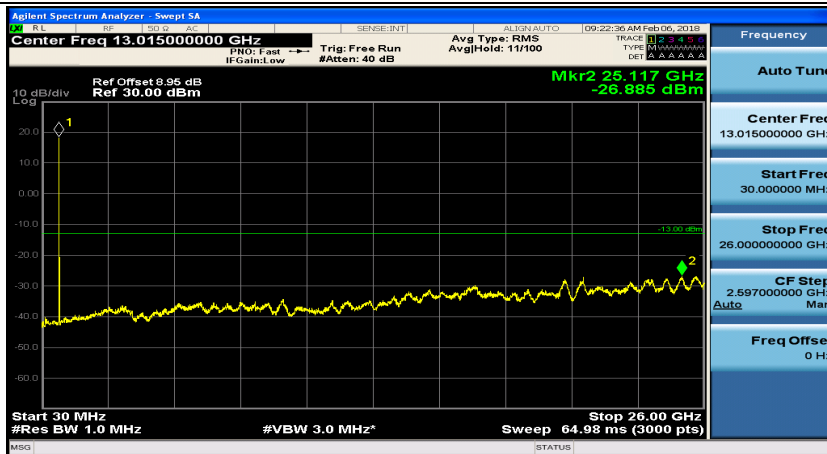
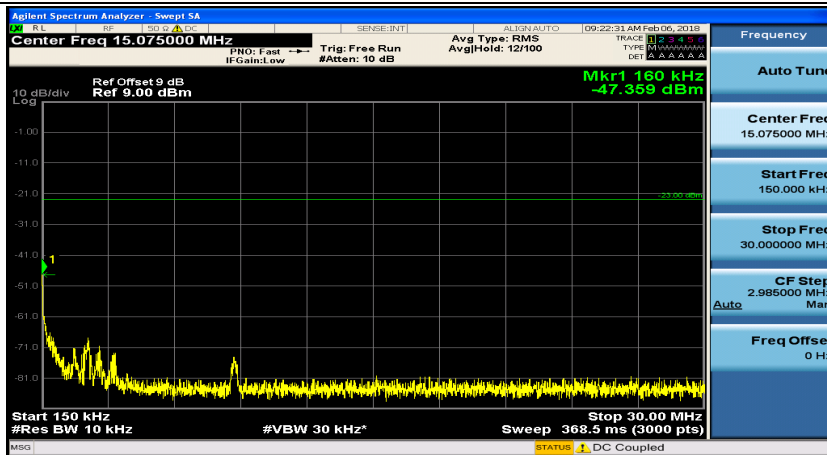
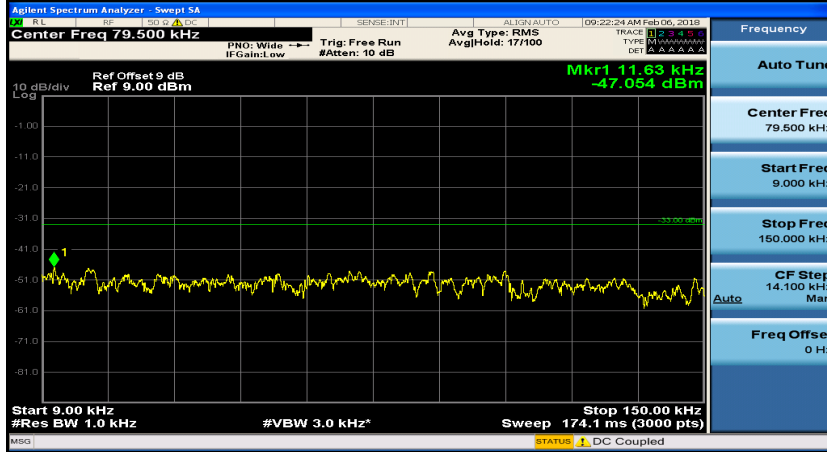


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

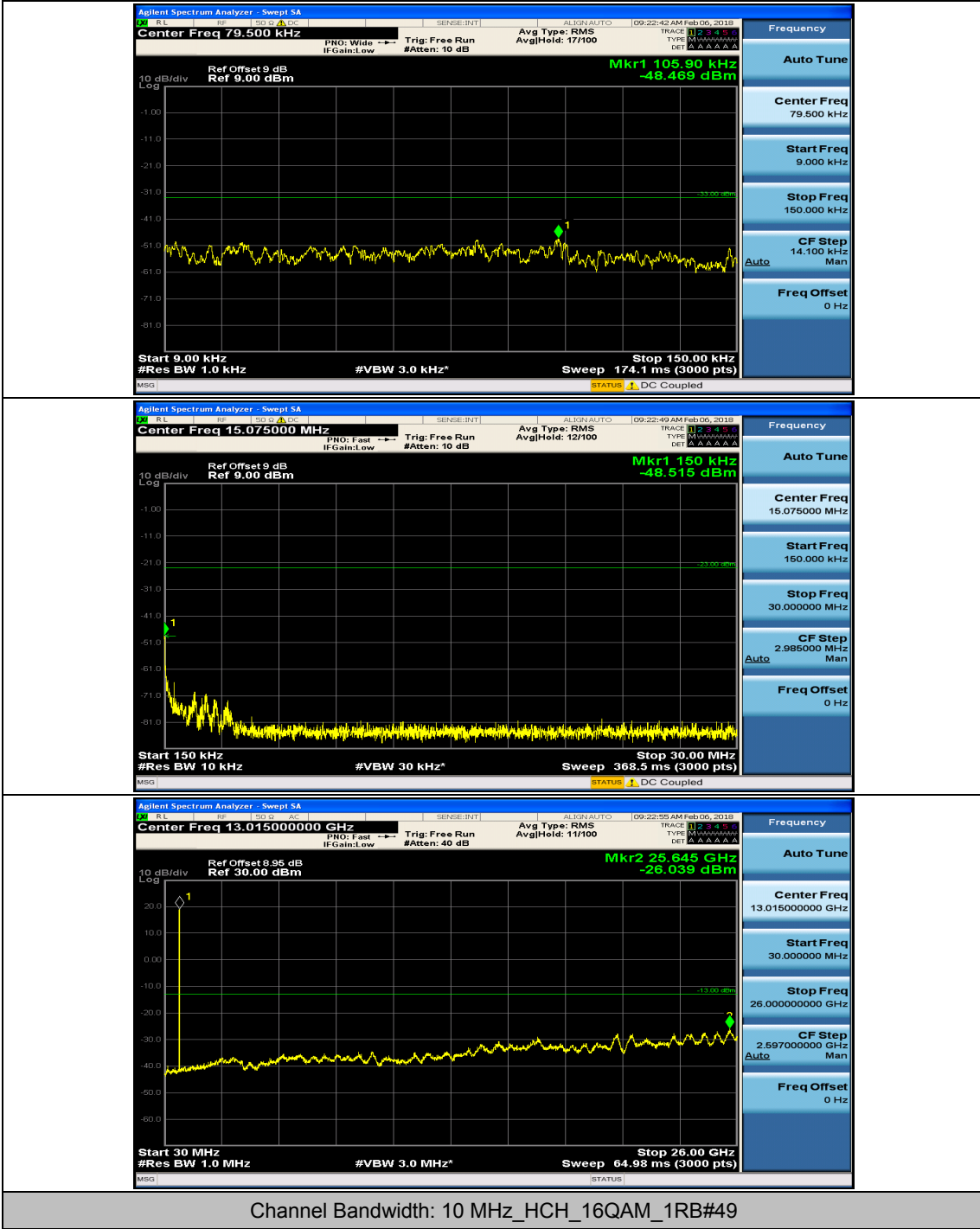


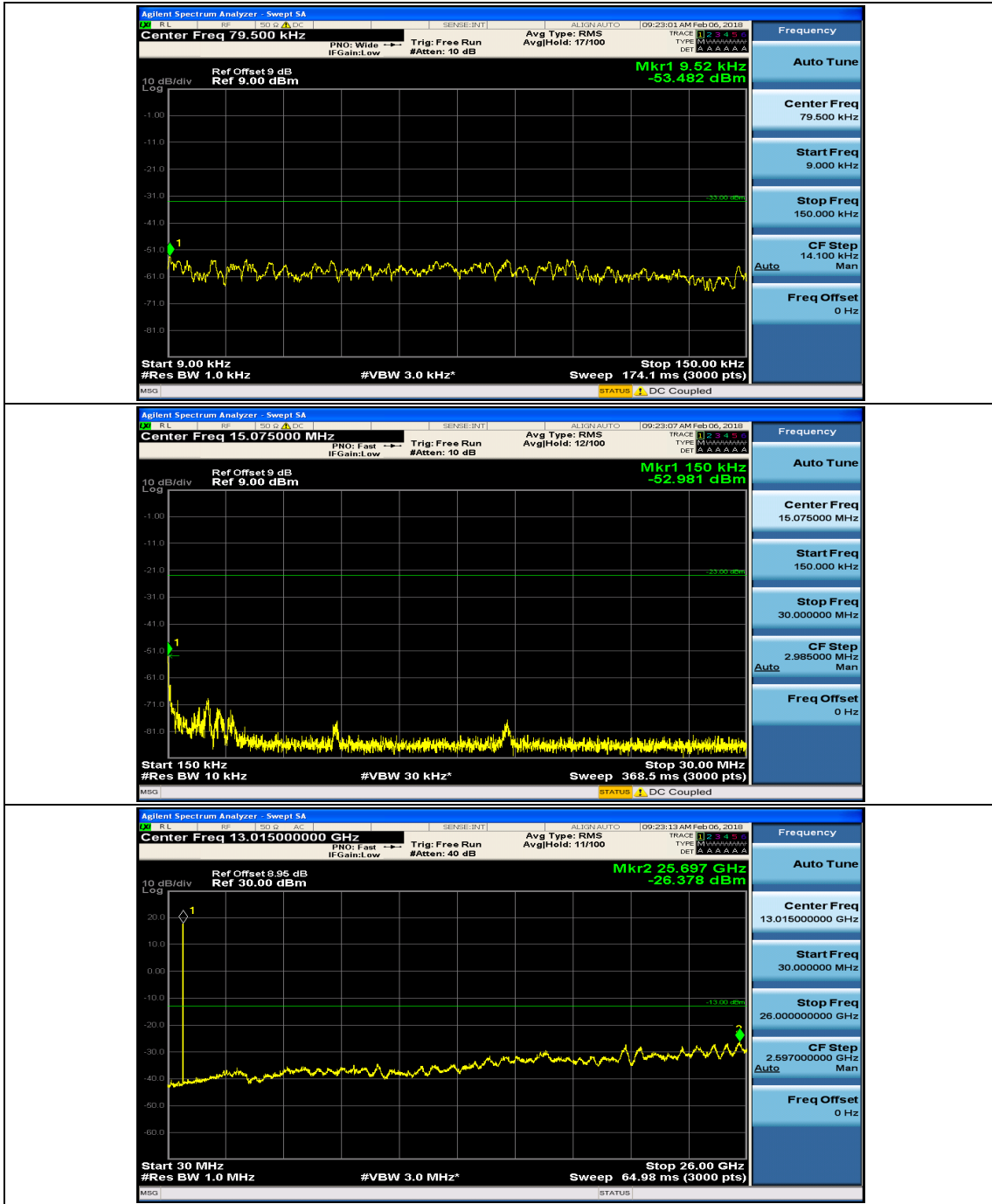


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	4.91	0.006950	± 2.5	PASS
		VN	TN	0.54	0.000764	± 2.5	PASS
		VH	TN	4.84	0.006851	± 2.5	PASS
	MCH	VL	TN	-0.48	-0.000676	± 2.5	PASS
		VN	TN	2.02	0.002845	± 2.5	PASS
		VH	TN	-1.83	-0.002577	± 2.5	PASS
	HCH	VL	TN	-0.71	-0.000995	± 2.5	PASS
		VN	TN	-0.67	-0.000939	± 2.5	PASS
		VH	TN	3.83	0.005368	± 2.5	PASS
16QAM	LCH	VL	TN	-1	-0.001415	± 2.5	PASS
		VN	TN	4.7	0.006653	± 2.5	PASS
		VH	TN	1.45	0.002052	± 2.5	PASS
	MCH	VL	TN	4.05	0.005704	± 2.5	PASS
		VN	TN	-1.17	-0.001648	± 2.5	PASS
		VH	TN	-1.17	-0.001648	± 2.5	PASS
	HCH	VL	TN	-1.99	-0.002789	± 2.5	PASS
		VN	TN	4.22	0.005915	± 2.5	PASS
		VH	TN	3.01	0.004219	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.33	0.000467	± 2.5	PASS
		VN	-20	3.5	0.004954	± 2.5	PASS
		VN	-10	-1.93	-0.002732	± 2.5	PASS
		VN	0	-1.2	-0.001699	± 2.5	PASS
		VN	10	2.53	0.003581	± 2.5	PASS
		VN	20	-0.35	-0.000495	± 2.5	PASS
		VN	30	4.48	0.006341	± 2.5	PASS
		VN	40	-0.41	-0.000580	± 2.5	PASS
		VN	50	3.82	0.005407	± 2.5	PASS
	MCH	VN	-30	3.18	0.004479	± 2.5	PASS
		VN	-20	2.53	0.003563	± 2.5	PASS

	VN	-10	-0.36	-0.000507	± 2.5	PASS			
		VN	0	3.48	0.004901	± 2.5	PASS		
		VN	10	2.75	0.003873	± 2.5	PASS		
		VN	20	2.91	0.004099	± 2.5	PASS		
		VN	30	0.2	0.000282	± 2.5	PASS		
		VN	40	-0.83	-0.001169	± 2.5	PASS		
		VN	50	-0.83	-0.001169	± 2.5	PASS		
	HCH	VN	-30	0.37	0.000519	± 2.5	PASS		
		VN	-20	0.79	0.001107	± 2.5	PASS		
		VN	-10	4.73	0.006629	± 2.5	PASS		
		VN	0	0.2	0.000280	± 2.5	PASS		
		VN	10	2.97	0.004163	± 2.5	PASS		
		VN	20	-1.21	-0.001696	± 2.5	PASS		
		VN	30	0.19	0.000266	± 2.5	PASS		
		VN	40	4.54	0.006363	± 2.5	PASS		
		VN	50	-1.47	-0.002060	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.1	0.000142	± 2.5	PASS
				VN	-20	3.37	0.004770	± 2.5	PASS
VN	-10			2.46	0.003482	± 2.5	PASS		
VN	0			-1.89	-0.002675	± 2.5	PASS		
VN	10			-1.25	-0.001769	± 2.5	PASS		
VN	20			1.02	0.001444	± 2.5	PASS		
VN	30			0.27	0.000382	± 2.5	PASS		
VN	40			3.88	0.005492	± 2.5	PASS		
VN	50			3.9	0.005520	± 2.5	PASS		
MCH	VN		-30	3.26	0.004569	± 2.5	PASS		
	VN		-20	3.18	0.004457	± 2.5	PASS		
	VN		-10	4.14	0.005802	± 2.5	PASS		
	VN		0	0.19	0.000266	± 2.5	PASS		
	VN		10	2.13	0.002985	± 2.5	PASS		
	VN		20	-0.65	-0.000911	± 2.5	PASS		
	VN		30	4.22	0.005915	± 2.5	PASS		
	VN		40	0.08	0.000112	± 2.5	PASS		
	VN		50	4.31	0.006041	± 2.5	PASS		
HCH	VN		-30	2.94	0.004121	± 2.5	PASS		
	VN		-20	-1.31	-0.001836	± 2.5	PASS		
	VN		-10	-0.47	-0.000659	± 2.5	PASS		
	VN		0	3.73	0.005228	± 2.5	PASS		
	VN		10	4.98	0.006980	± 2.5	PASS		
	VN		20	3.02	0.004233	± 2.5	PASS		
	VN		30	0.64	0.000897	± 2.5	PASS		

		VN	40	-0.6	-0.000841	± 2.5	PASS
		VN	50	-1.5	-0.002102	± 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	1.93	0.002722	± 2.5	PASS
		VN	TN	0.77	0.001086	± 2.5	PASS
		VH	TN	-1.82	-0.002567	± 2.5	PASS
	MCH	VL	TN	4.76	0.006704	± 2.5	PASS
		VN	TN	1.87	0.002634	± 2.5	PASS
		VH	TN	-1.93	-0.002718	± 2.5	PASS
	HCH	VL	TN	-0.45	-0.000633	± 2.5	PASS
		VN	TN	1.38	0.001941	± 2.5	PASS
		VH	TN	-0.41	-0.000577	± 2.5	PASS
16QAM	LCH	VL	TN	1.79	0.002525	± 2.5	PASS
		VN	TN	0.2	0.000282	± 2.5	PASS
		VH	TN	2.23	0.003145	± 2.5	PASS
	MCH	VL	TN	3.17	0.004465	± 2.5	PASS
		VN	TN	1.25	0.001761	± 2.5	PASS
		VH	TN	-1.96	-0.002761	± 2.5	PASS
	HCH	VL	TN	-1.52	-0.002138	± 2.5	PASS
		VN	TN	2.47	0.003474	± 2.5	PASS
		VH	TN	3.28	0.004613	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	4.03	0.005684	± 2.5	PASS
		VN	-20	1.85	0.002609	± 2.5	PASS
		VN	-10	2.02	0.002849	± 2.5	PASS
		VN	0	3.8	0.005360	± 2.5	PASS
		VN	10	4.42	0.006234	± 2.5	PASS
		VN	20	0.86	0.001213	± 2.5	PASS
		VN	30	1.81	0.002553	± 2.5	PASS
		VN	40	-1.02	-0.001439	± 2.5	PASS
		VN	50	2.63	0.003709	± 2.5	PASS
	MCH	VN	-30	-0.69	-0.000972	± 2.5	PASS
		VN	-20	0.94	0.001324	± 2.5	PASS
		VN	-10	-1.3	-0.001831	± 2.5	PASS
		VN	0	1.65	0.002324	± 2.5	PASS

		VN	10	3.22	0.004535	± 2.5	PASS
		VN	20	1.73	0.002437	± 2.5	PASS
		VN	30	1.5	0.002113	± 2.5	PASS
		VN	40	1.02	0.001437	± 2.5	PASS
		VN	50	1.23	0.001732	± 2.5	PASS
	HCH	VN	-30	0.19	0.000267	± 2.5	PASS
		VN	-20	0.57	0.000802	± 2.5	PASS
		VN	-10	1.74	0.002447	± 2.5	PASS
		VN	0	0.92	0.001294	± 2.5	PASS
		VN	10	3.05	0.004290	± 2.5	PASS
		VN	20	-0.17	-0.000239	± 2.5	PASS
		VN	30	2.42	0.003404	± 2.5	PASS
		VN	40	2.43	0.003418	± 2.5	PASS
		VN	50	2.31	0.003249	± 2.5	PASS
		QPSK	LCH	VN	-30	-0.19	-0.000268
VN	-20			1.97	0.002775	± 2.5	PASS
VN	-10			0	0.000000	± 2.5	PASS
VN	0			3.28	0.004620	± 2.5	PASS
VN	10			1.61	0.002268	± 2.5	PASS
VN	20			-0.2	-0.000282	± 2.5	PASS
VN	30			-1.54	-0.002169	± 2.5	PASS
VN	40			1.66	0.002338	± 2.5	PASS
VN	50			4.24	0.005972	± 2.5	PASS
MCH	VN		-30	3.22	0.004529	± 2.5	PASS
	VN		-20	0.04	0.000056	± 2.5	PASS
	VN		-10	1.18	0.001660	± 2.5	PASS
	VN		0	3.87	0.005443	± 2.5	PASS
	VN		10	2.91	0.004093	± 2.5	PASS
	VN		20	-0.01	-0.000014	± 2.5	PASS
	VN		30	4.25	0.005977	± 2.5	PASS
	VN		40	1.03	0.001449	± 2.5	PASS
	VN		50	4.34	0.006104	± 2.5	PASS
HCH	VN		-30	2.3	0.003235	± 2.5	PASS
	VN		-20	4.08	0.005738	± 2.5	PASS
	VN		-10	-1.81	-0.002546	± 2.5	PASS
	VN		0	-0.49	-0.000689	± 2.5	PASS
	VN		10	3.31	0.004655	± 2.5	PASS
	VN		20	0.36	0.000506	± 2.5	PASS
	VN		30	-0.41	-0.000577	± 2.5	PASS
	VN		40	0.45	0.000633	± 2.5	PASS
	VN		50	1.03	0.001449	± 2.5	PASS