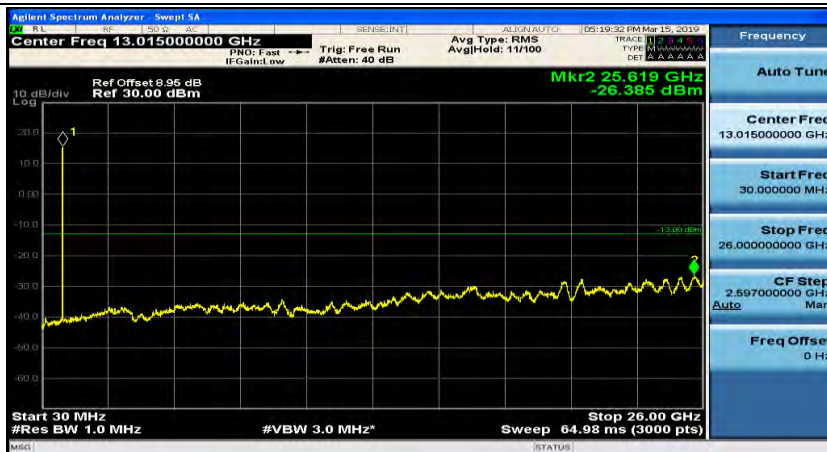
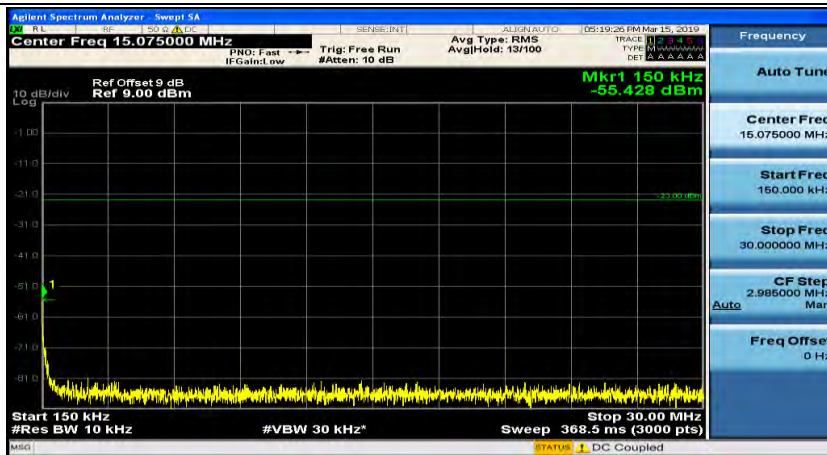
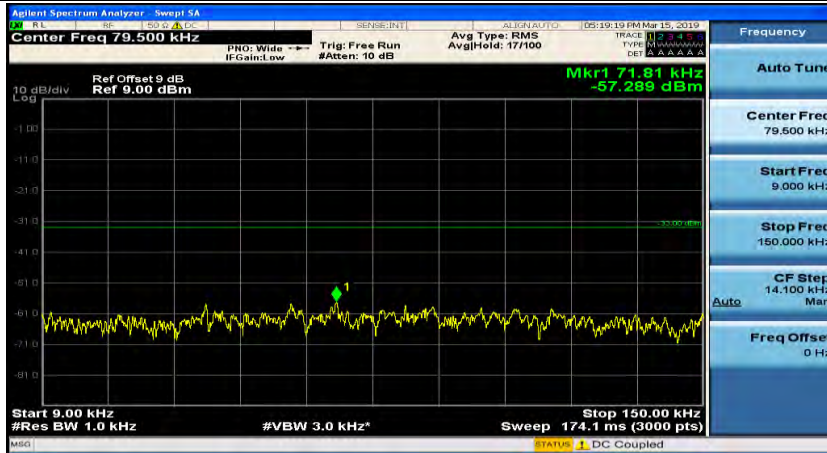
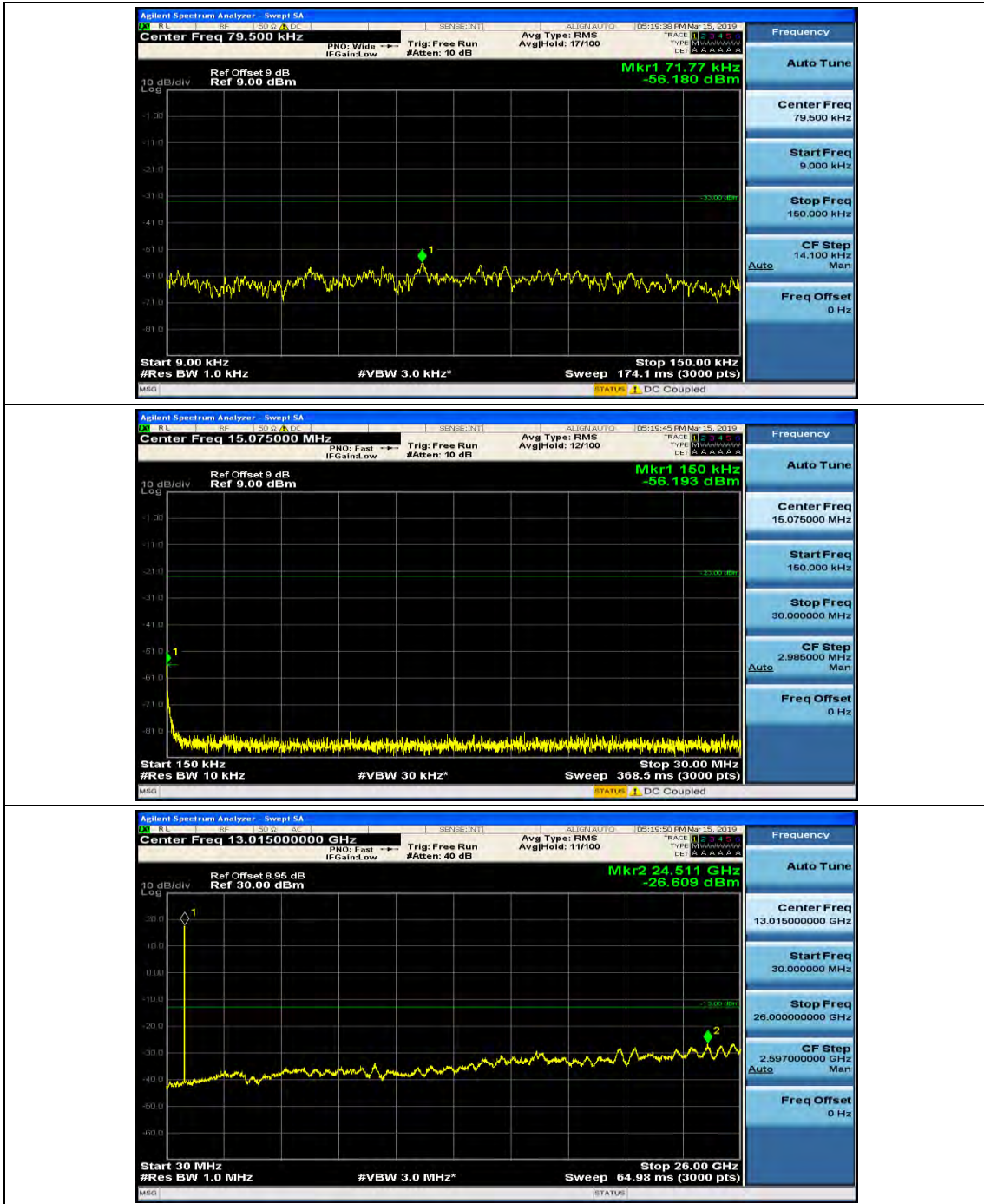


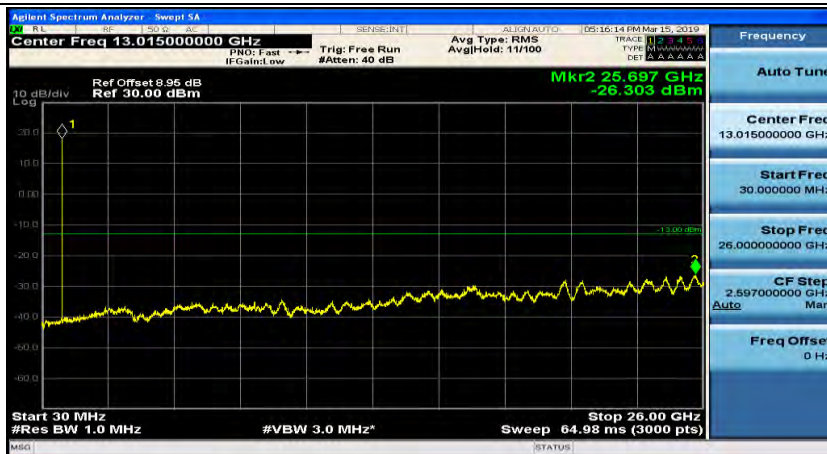
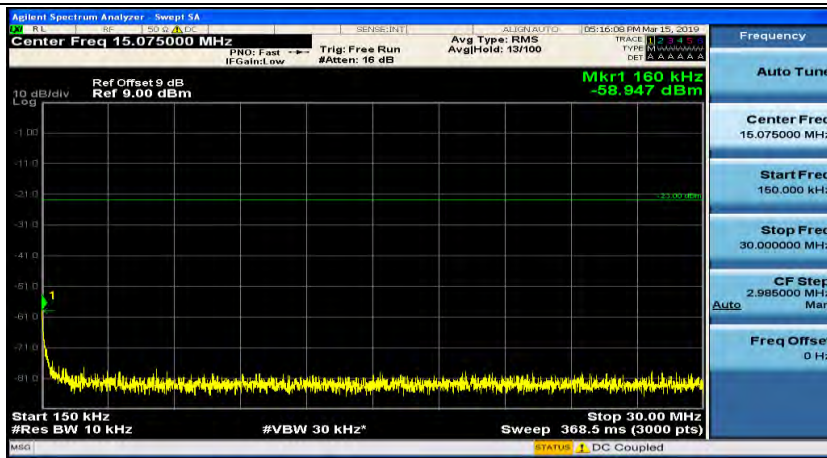
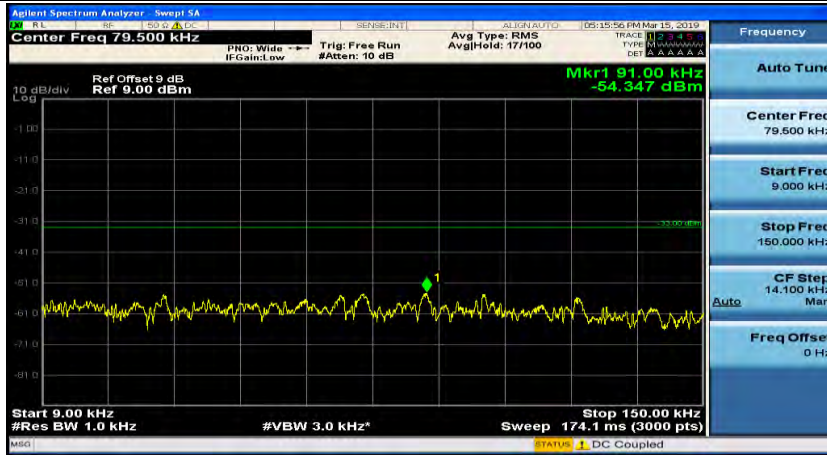
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#0



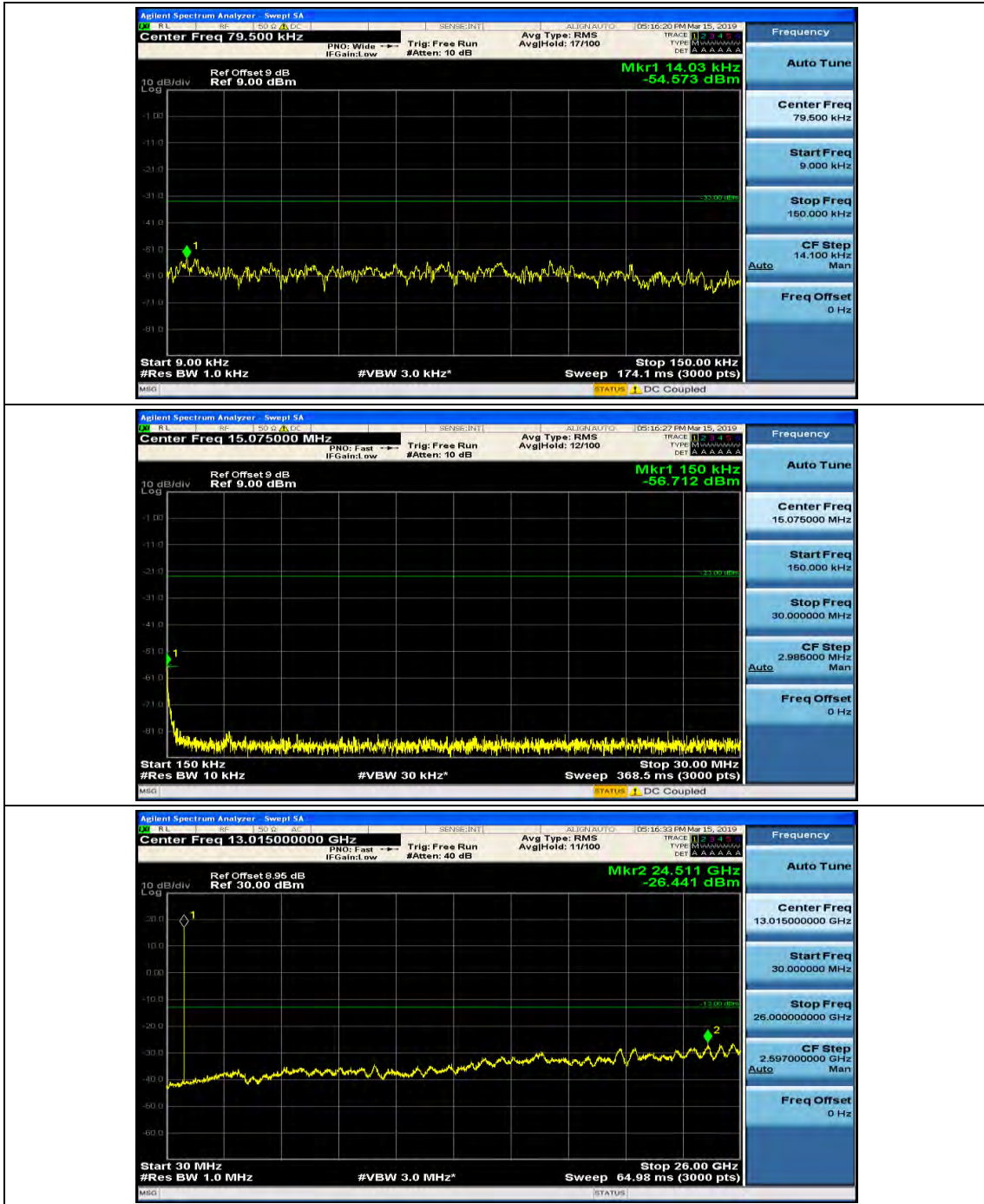
(Channel Bandwidth: 3 MHz)_HCH_QPSK_1RB#7



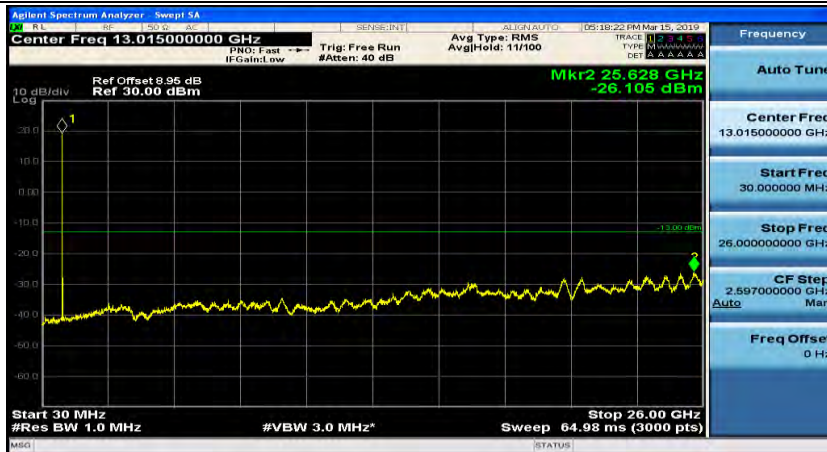
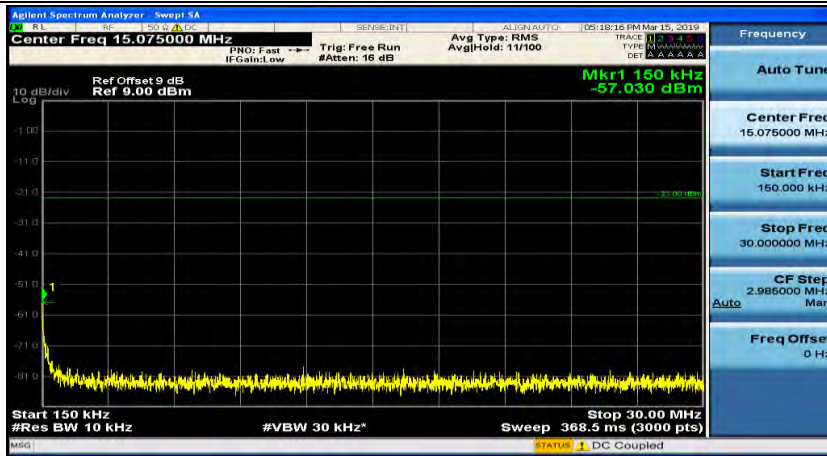
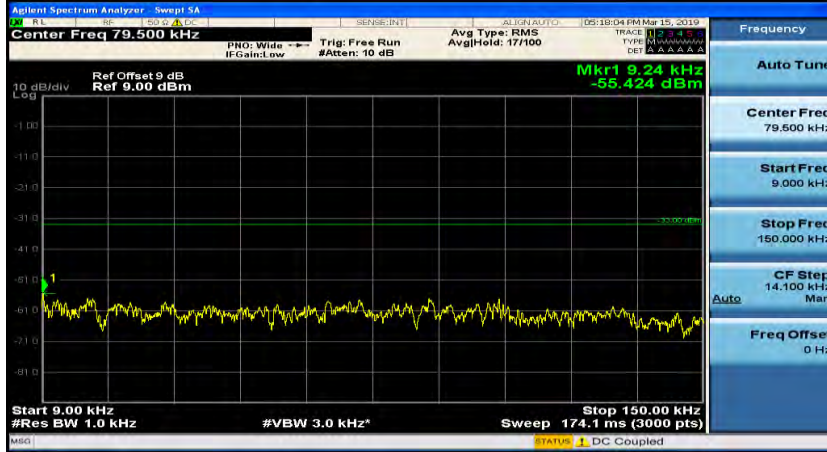
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#0



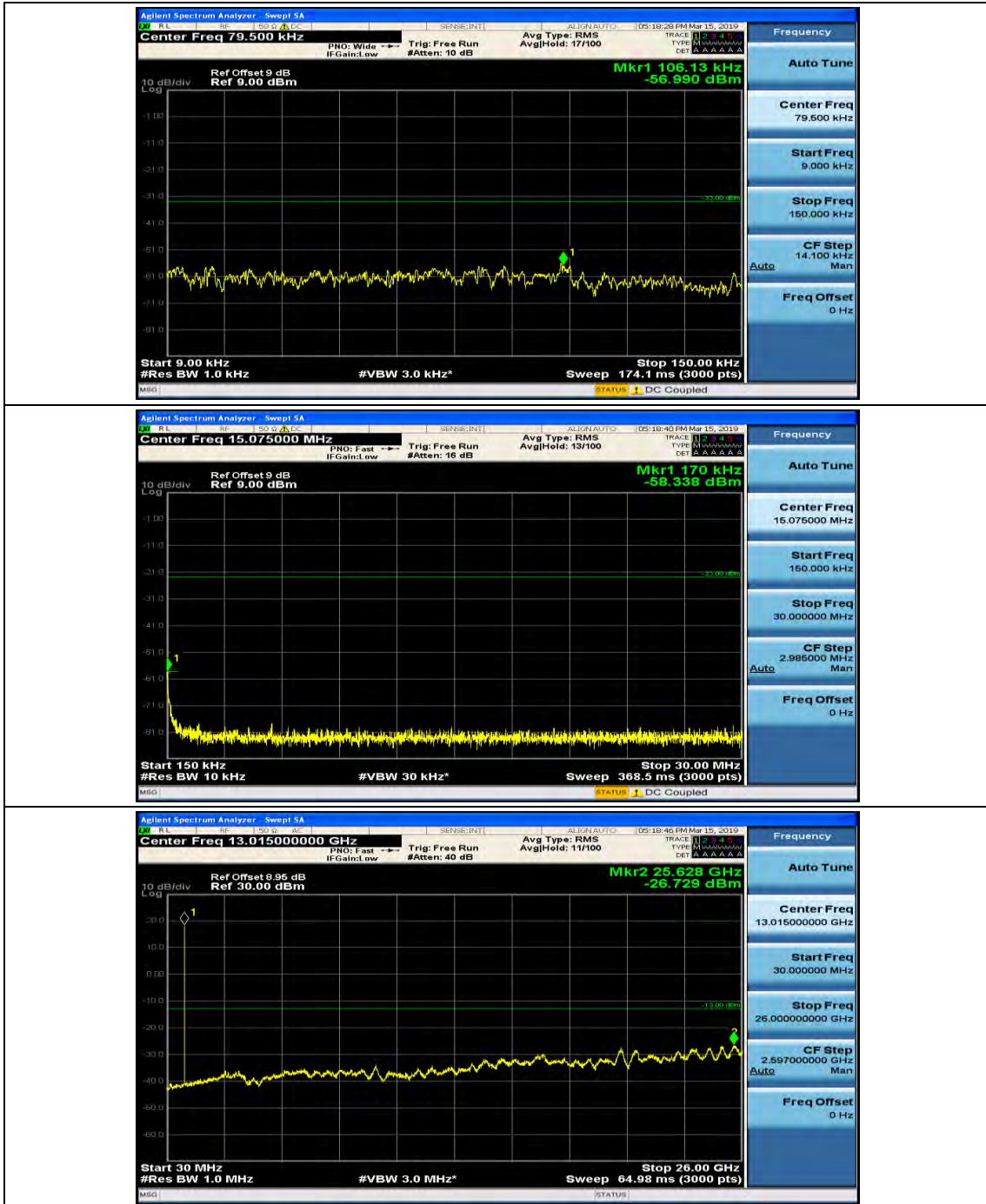
(Channel Bandwidth: 3 MHz)_LCH_16QAM_1RB#7



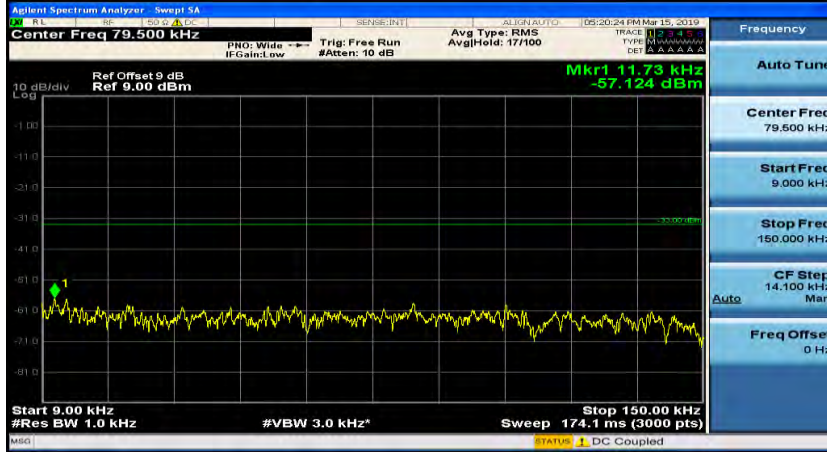
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#0



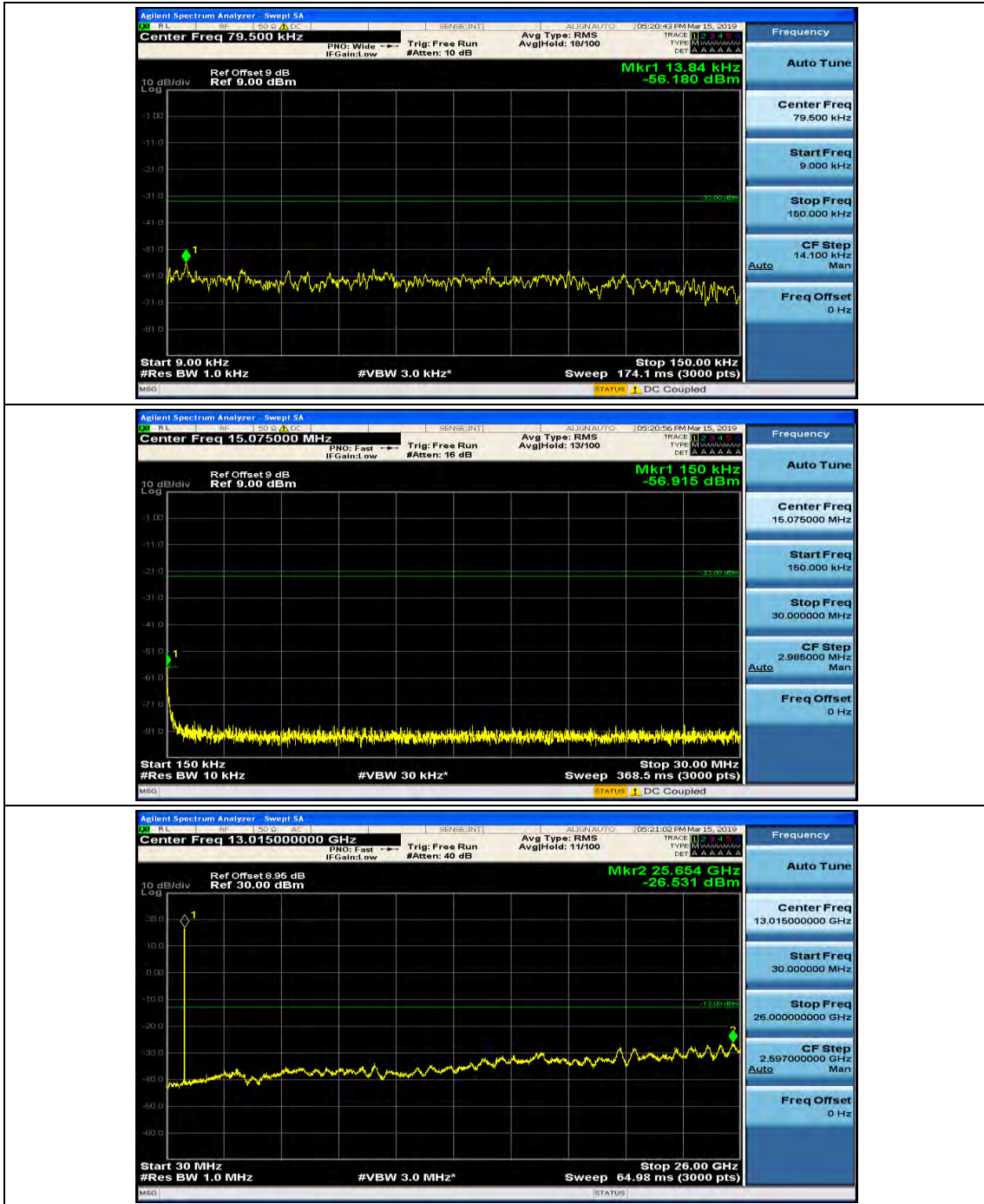
(Channel Bandwidth: 3 MHz)_MCH_16QAM_1RB#7



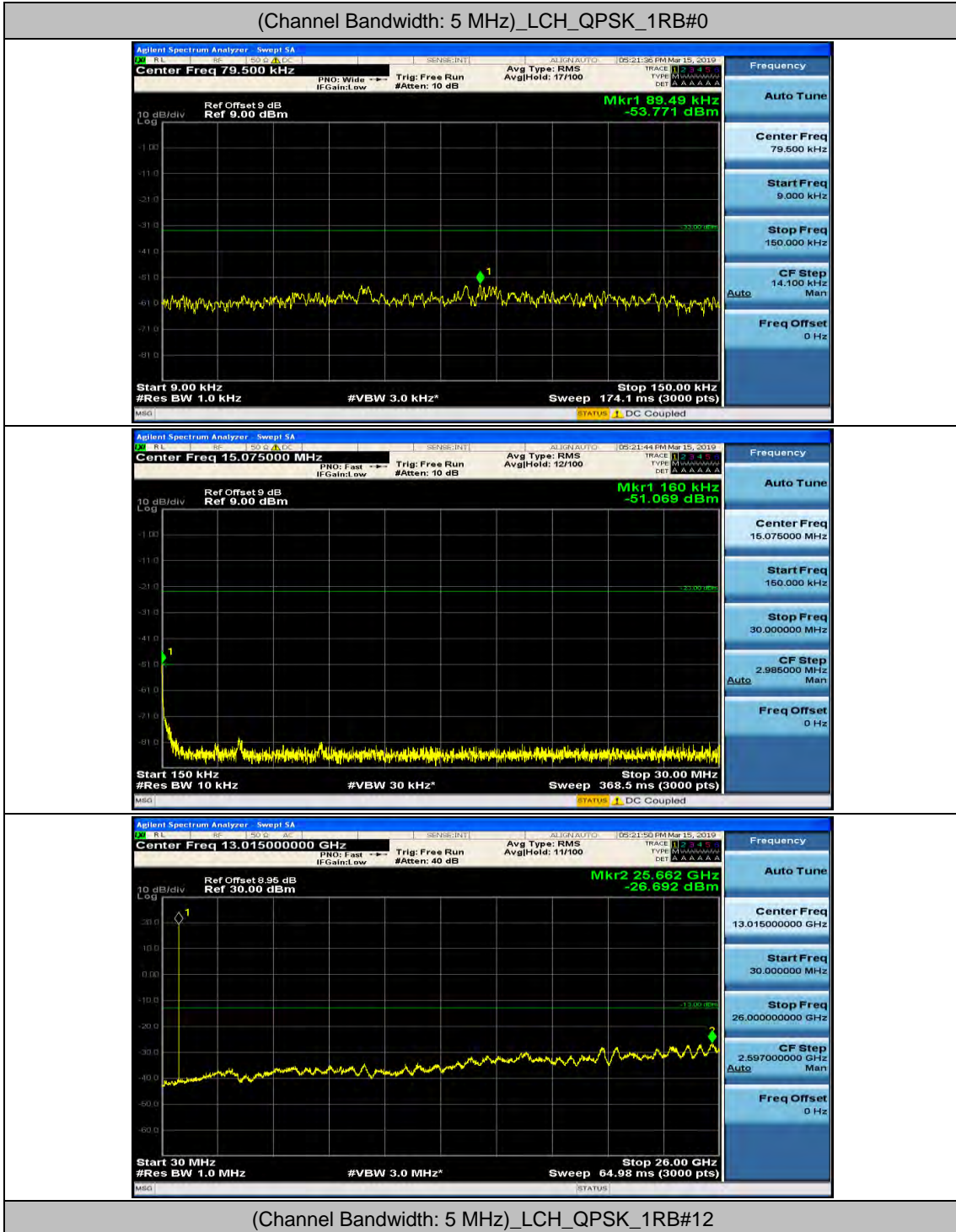
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#0

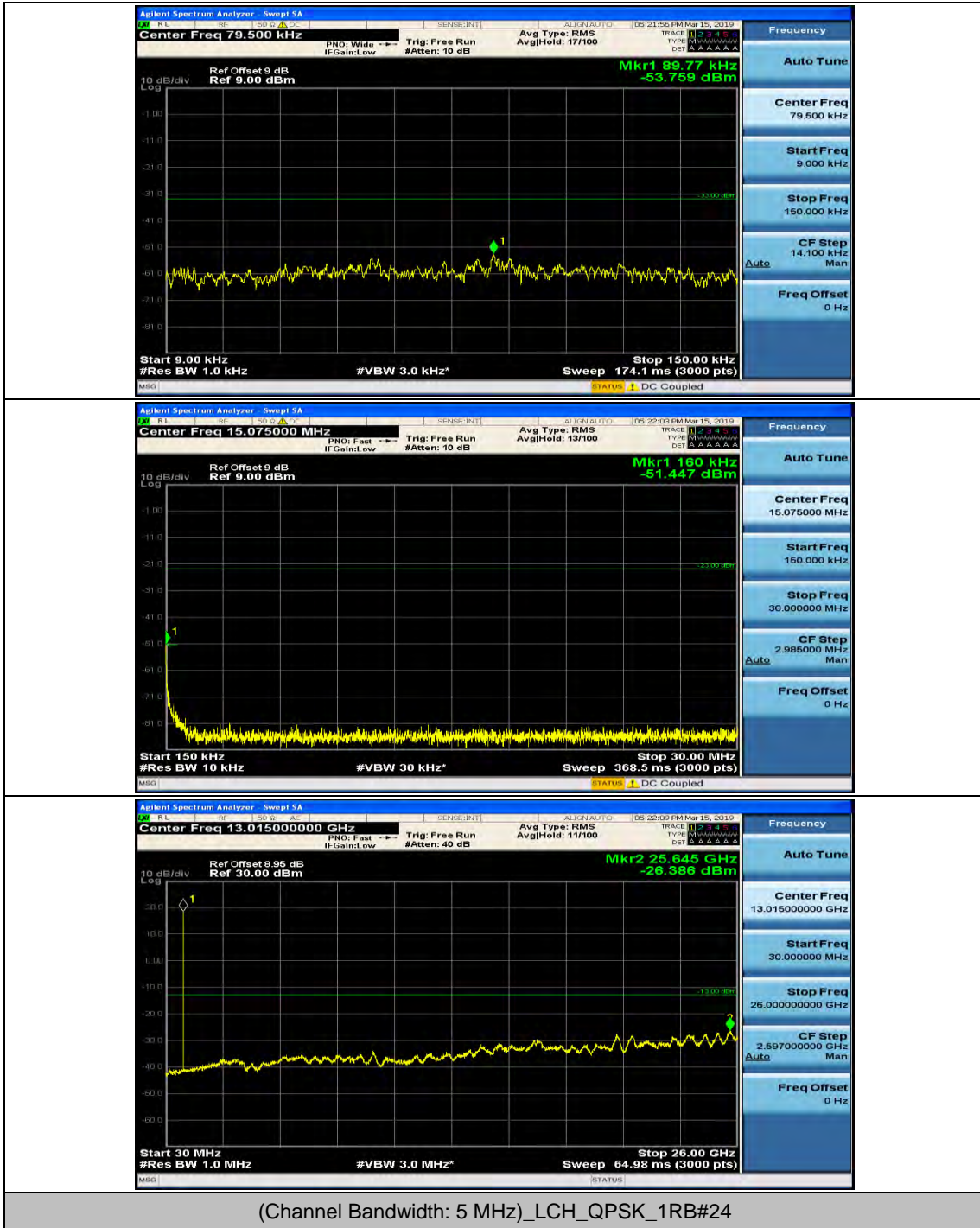


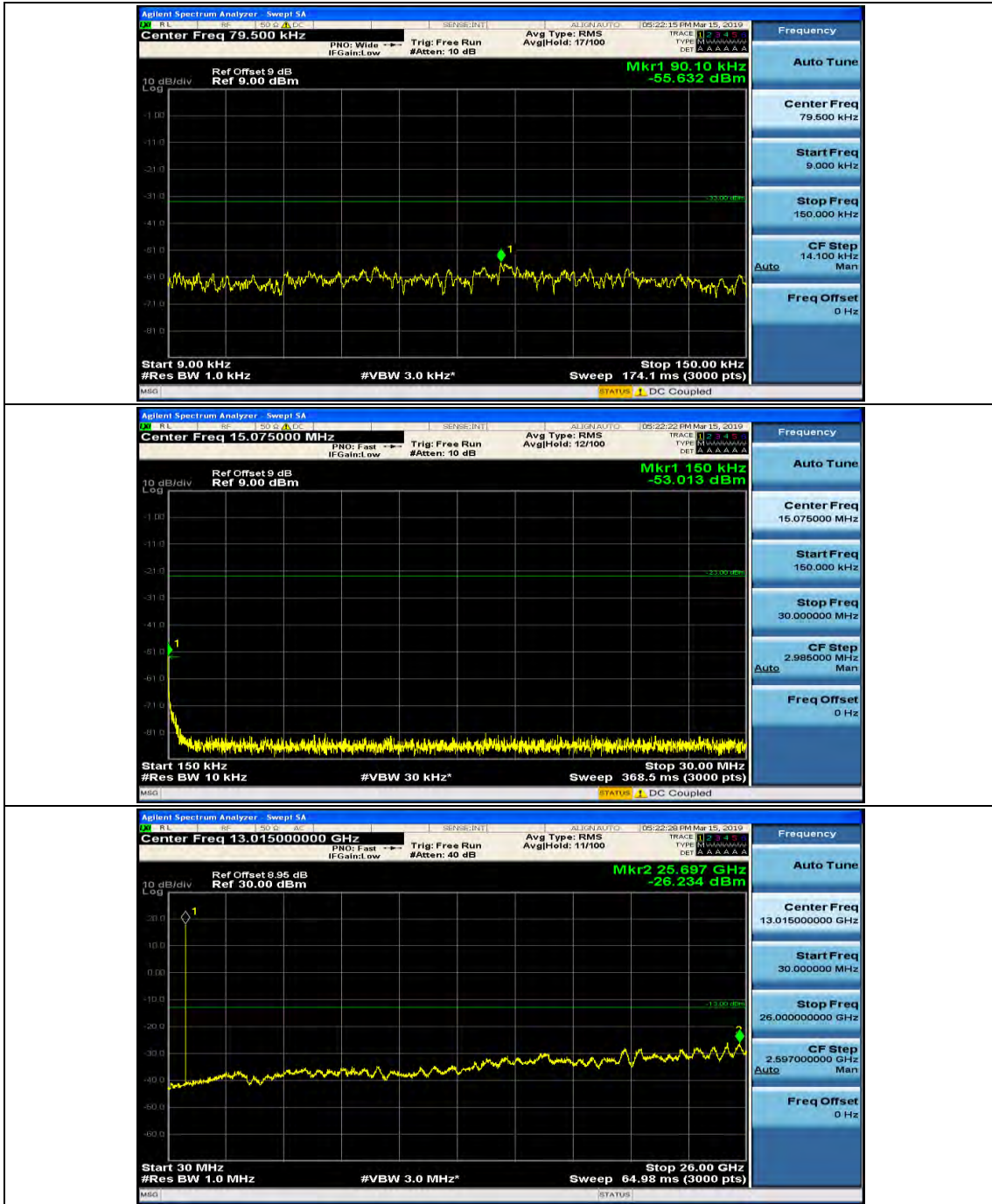
(Channel Bandwidth: 3 MHz)_HCH_16QAM_1RB#7



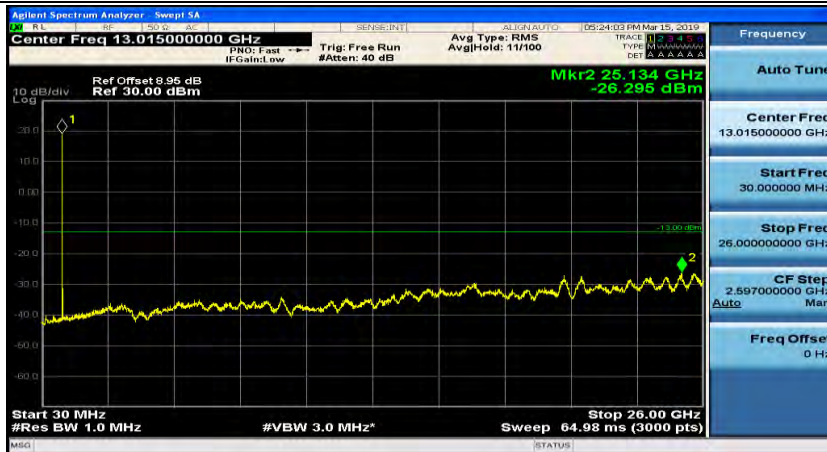
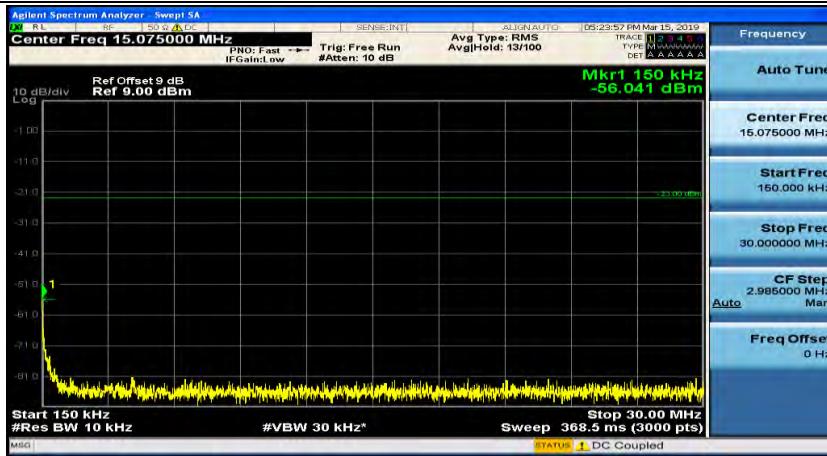
Channel Bandwidth: 5 MHz



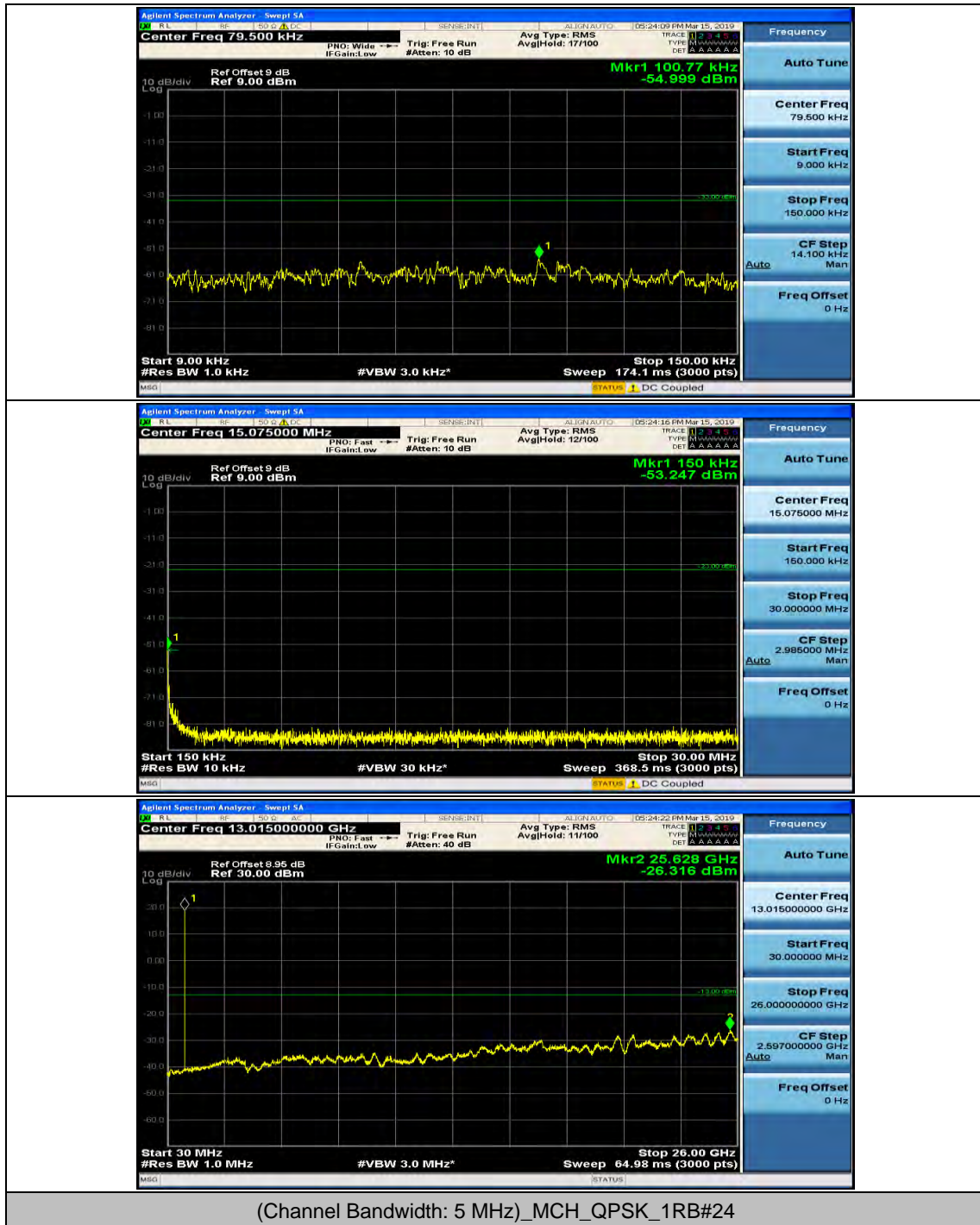


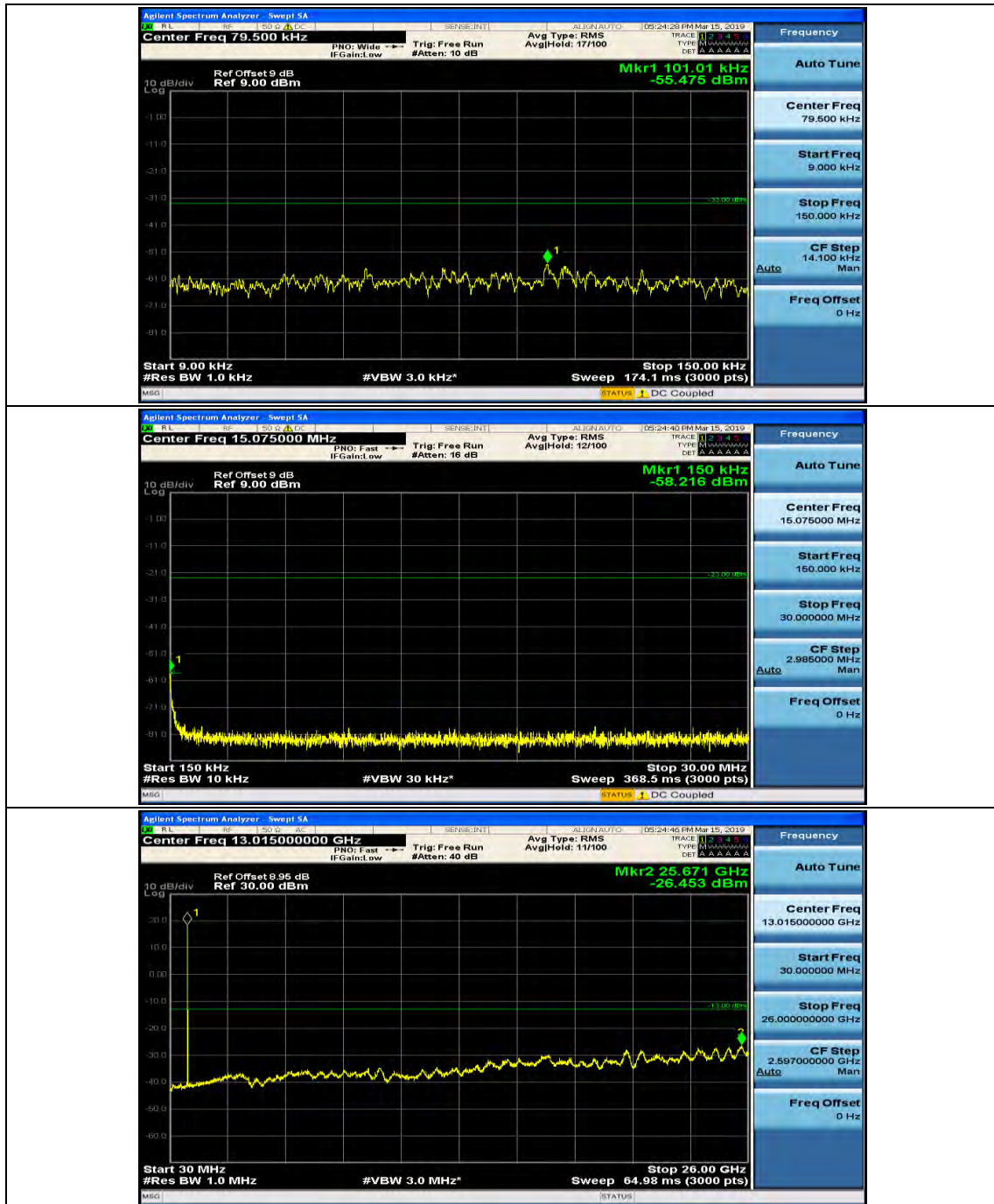


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

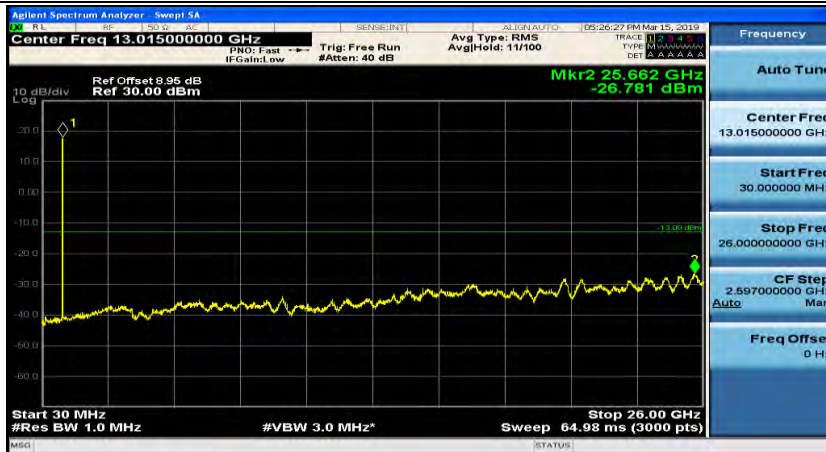
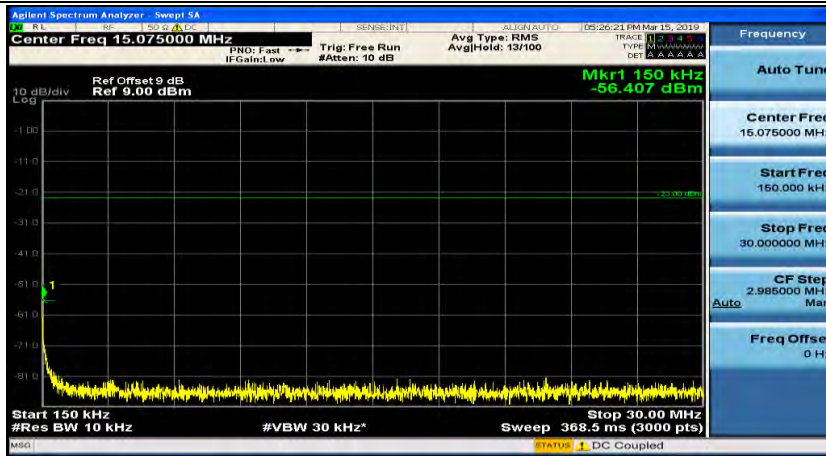
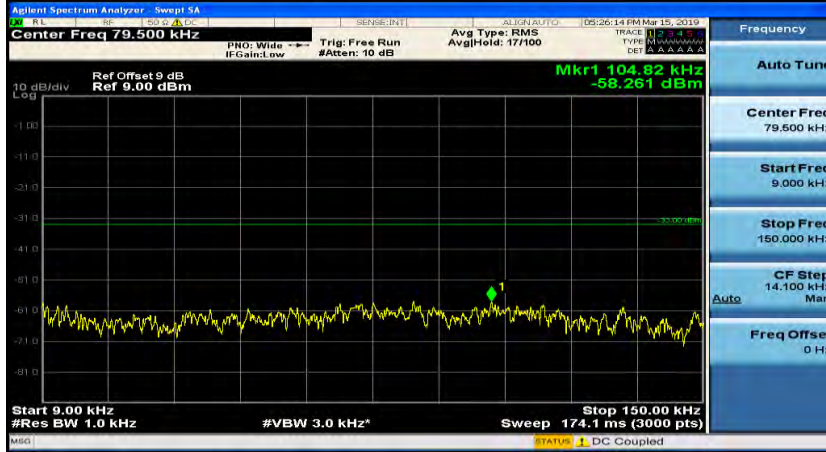


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

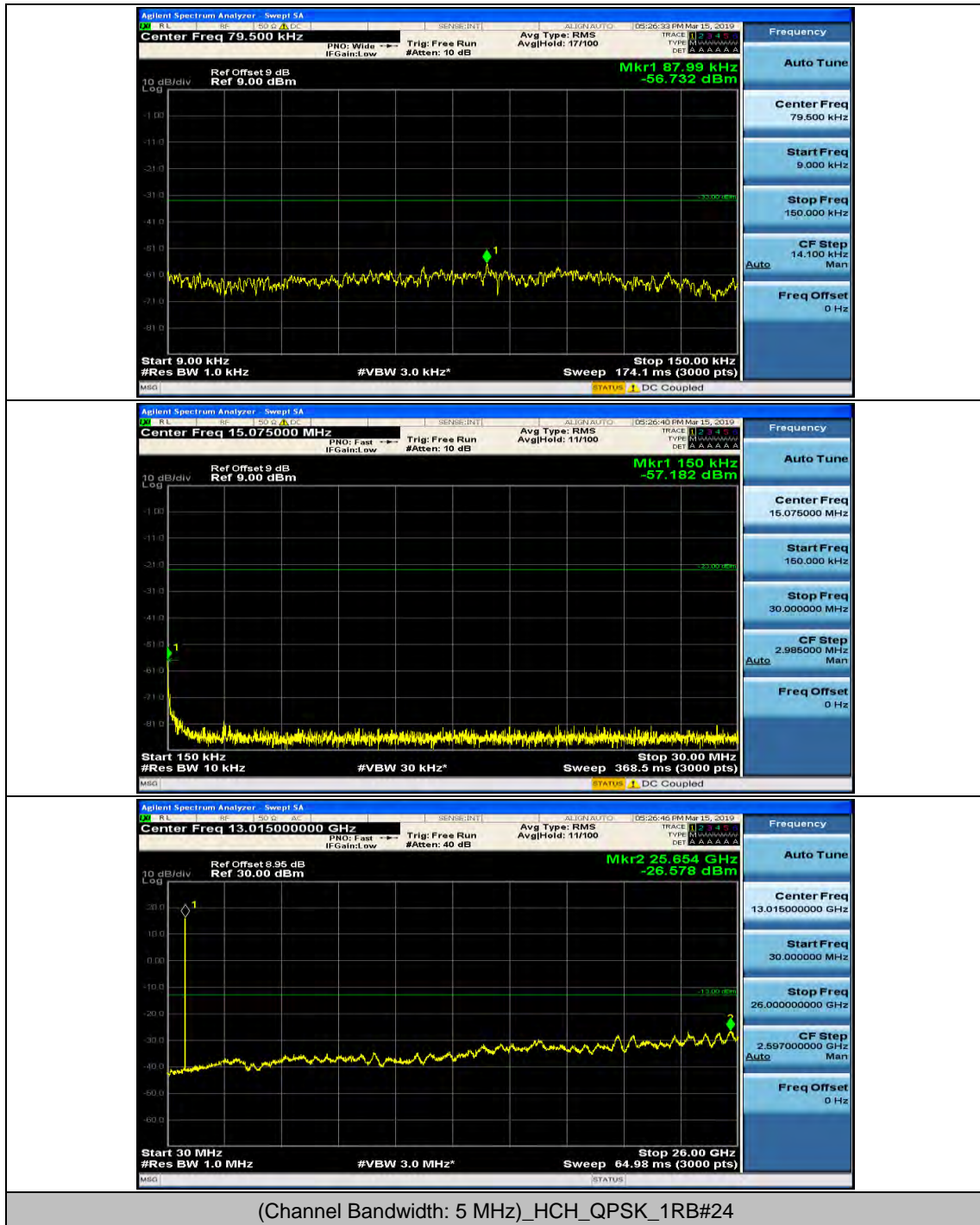


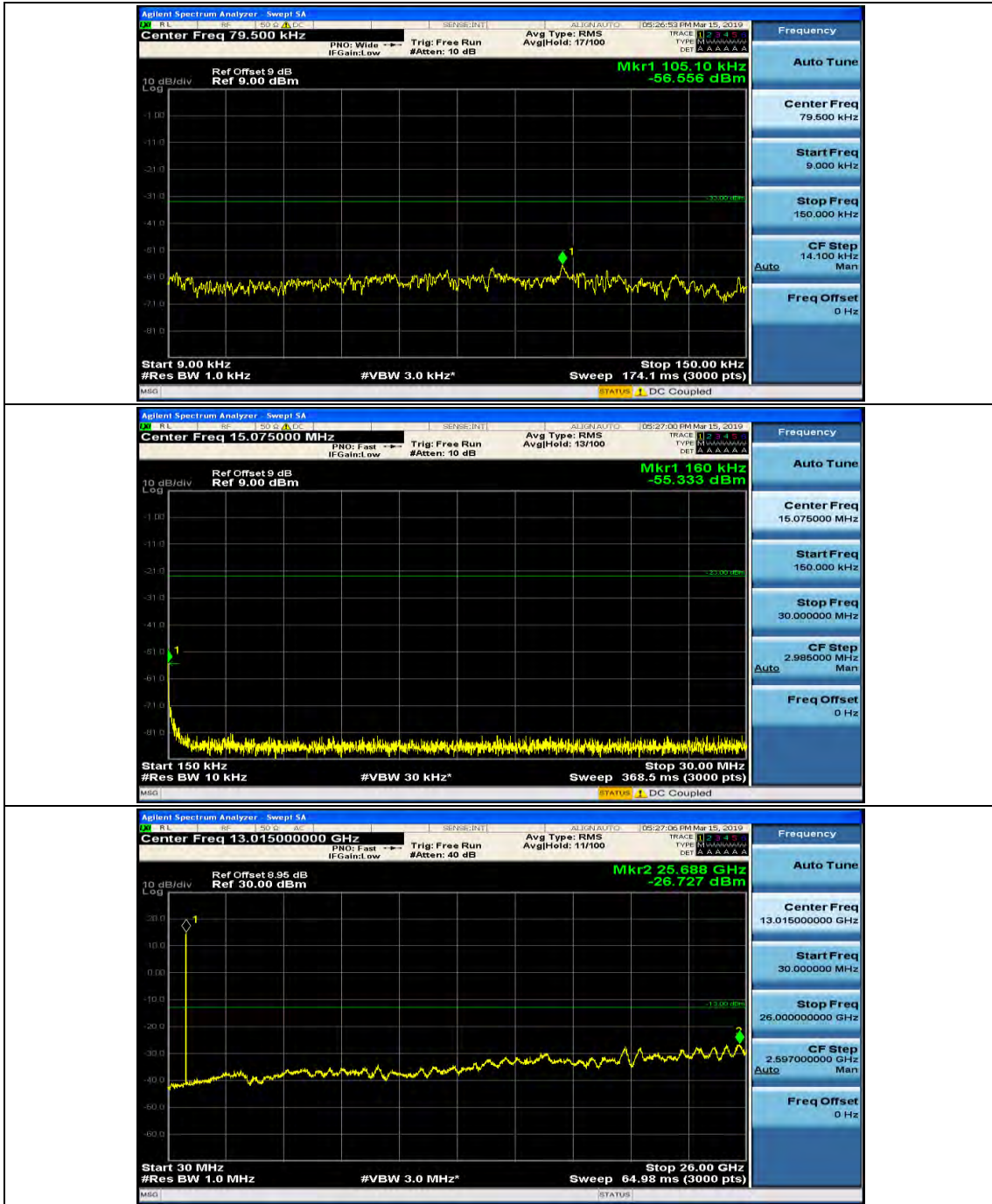


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

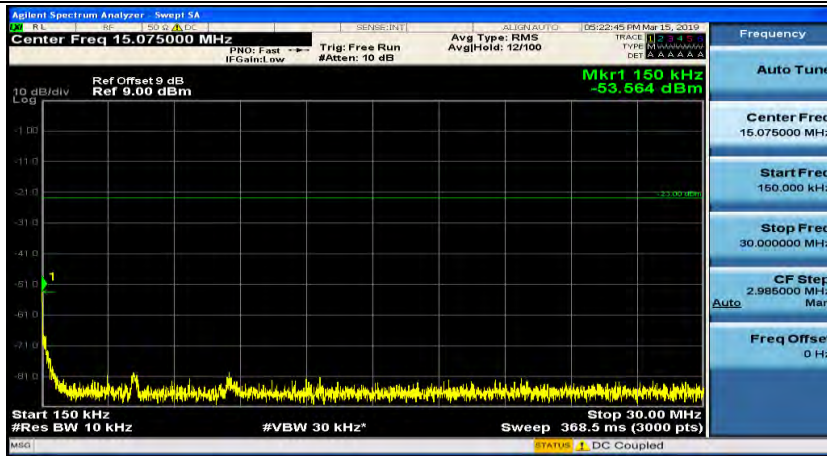


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

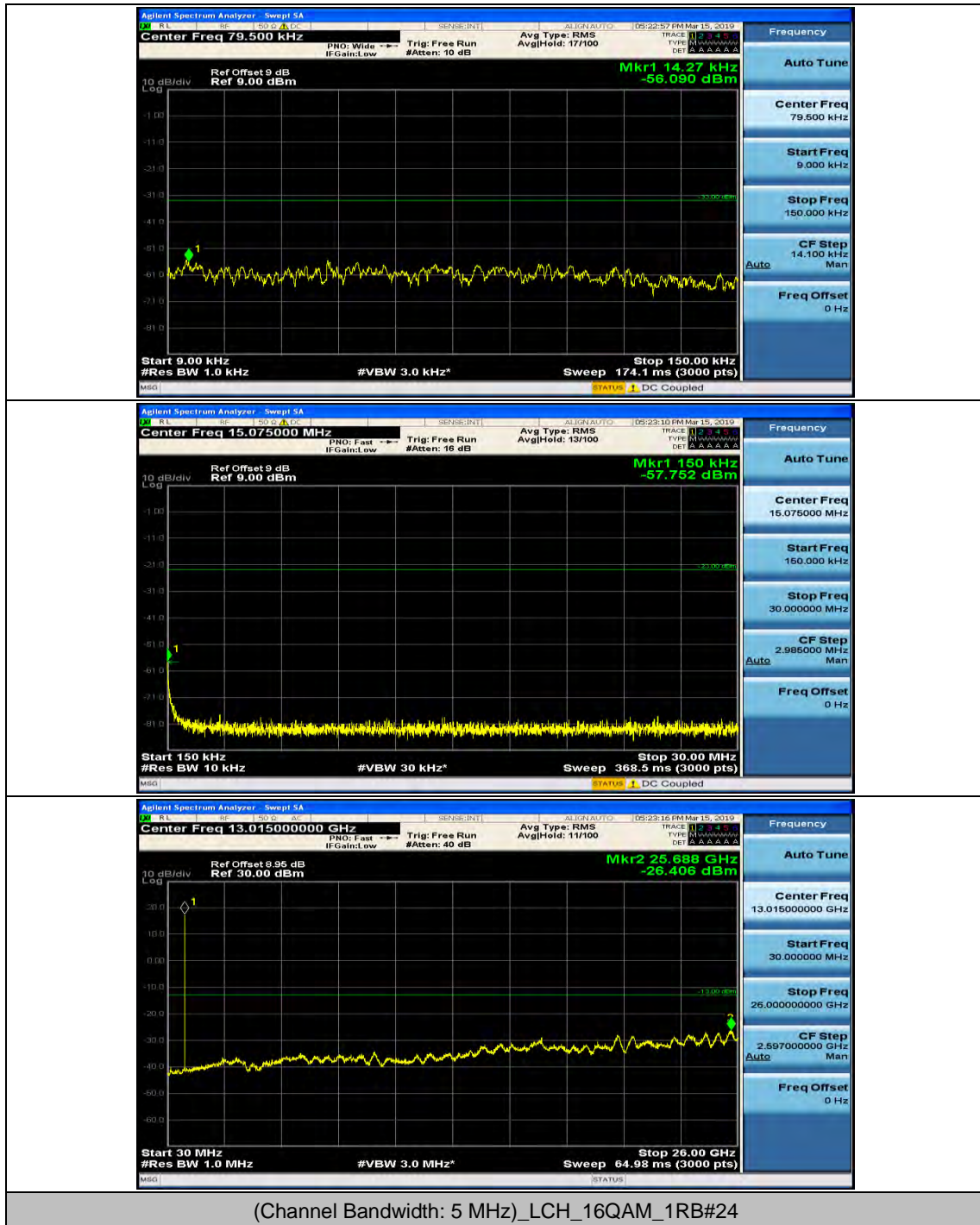


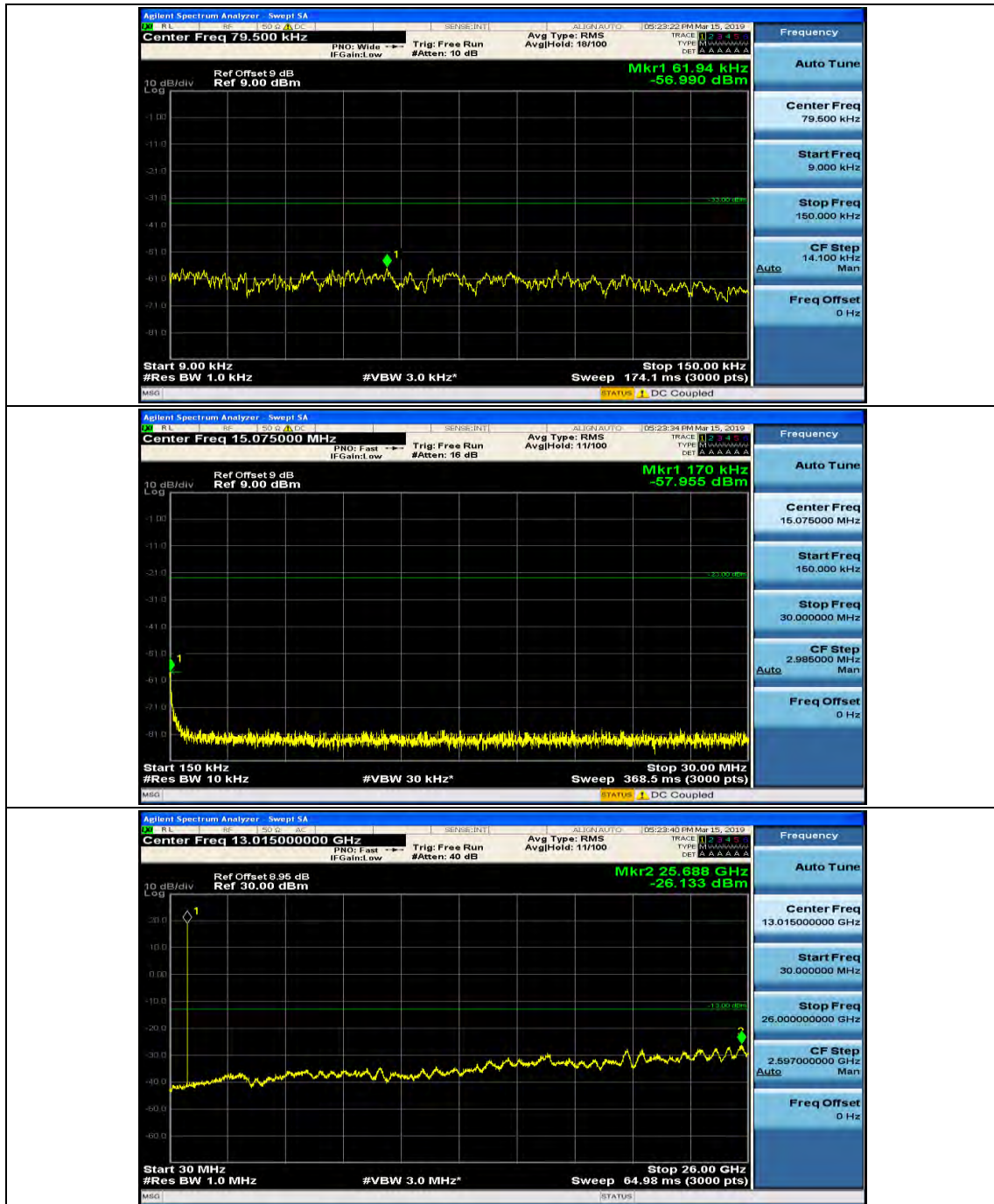


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

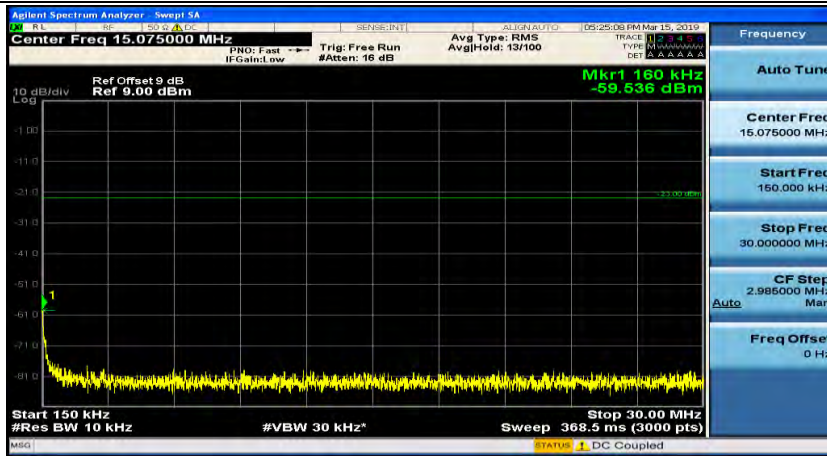
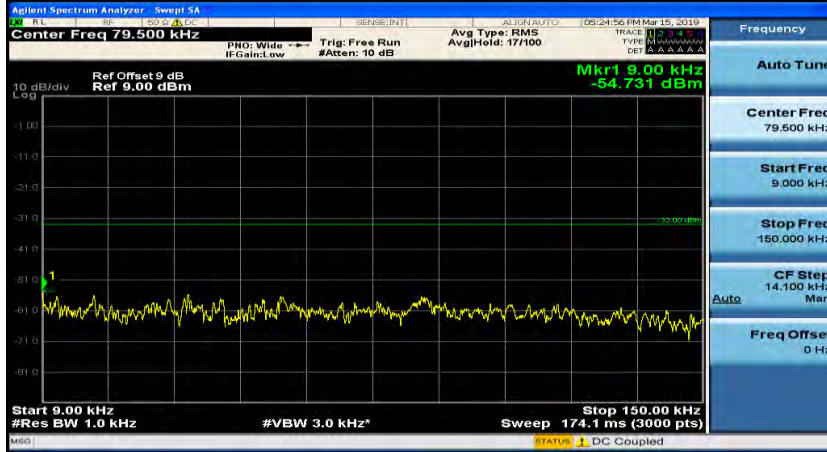


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

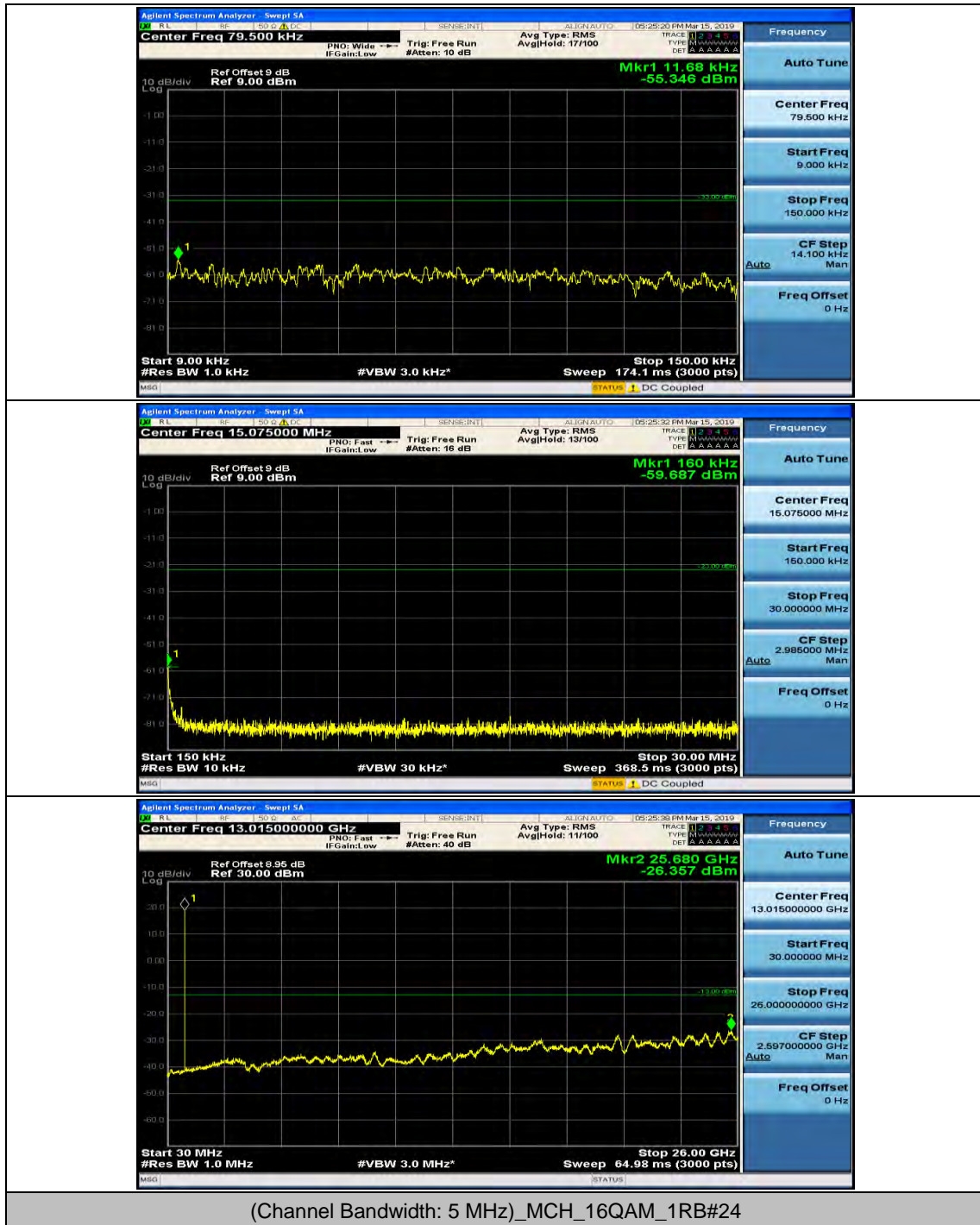


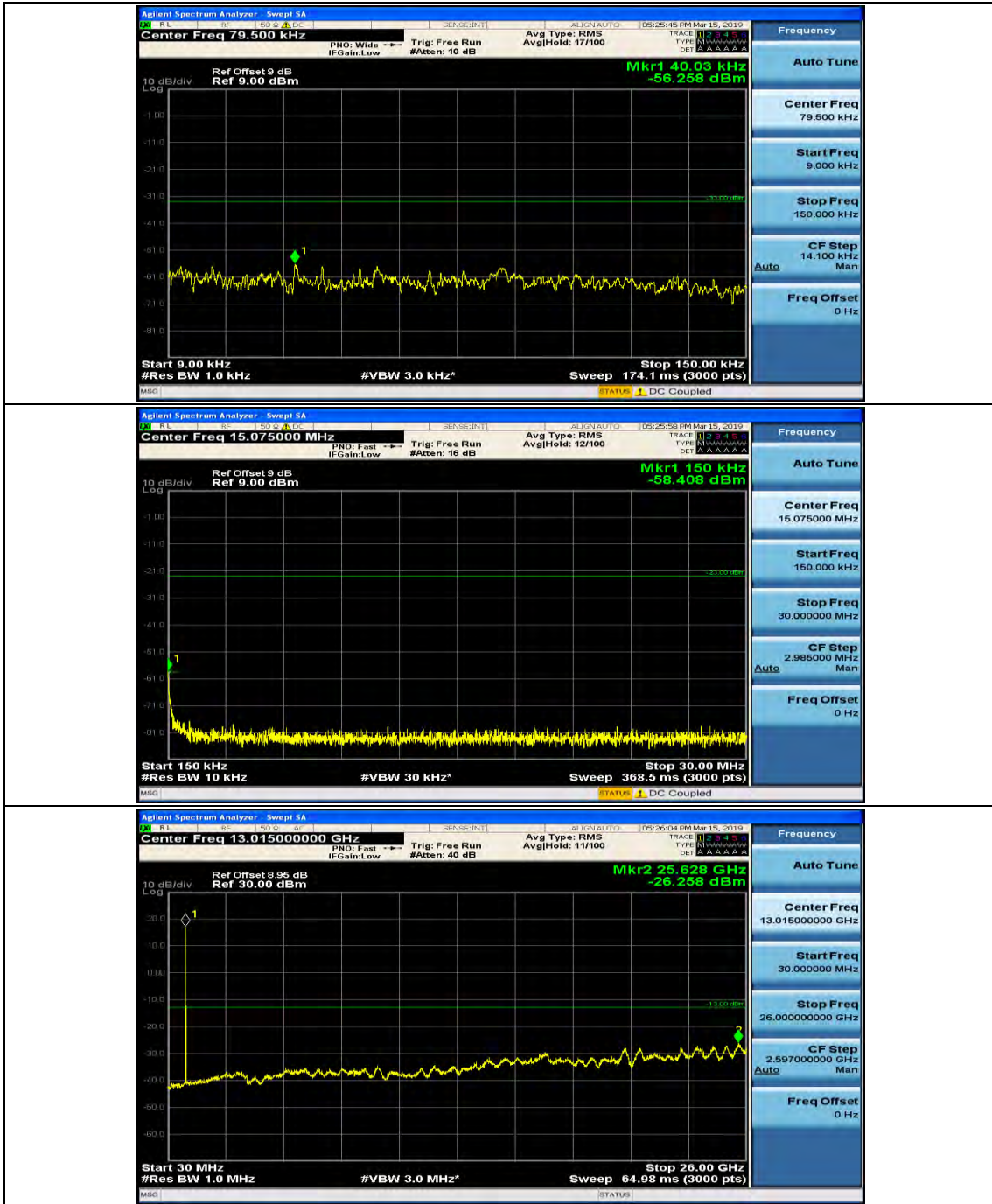


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

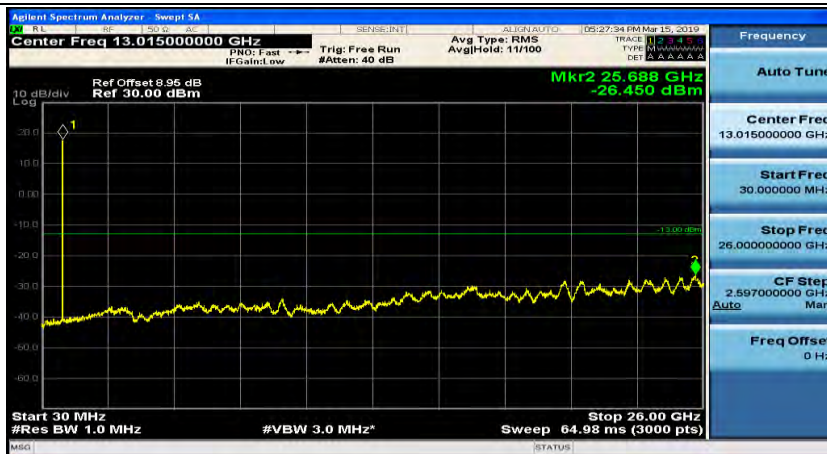
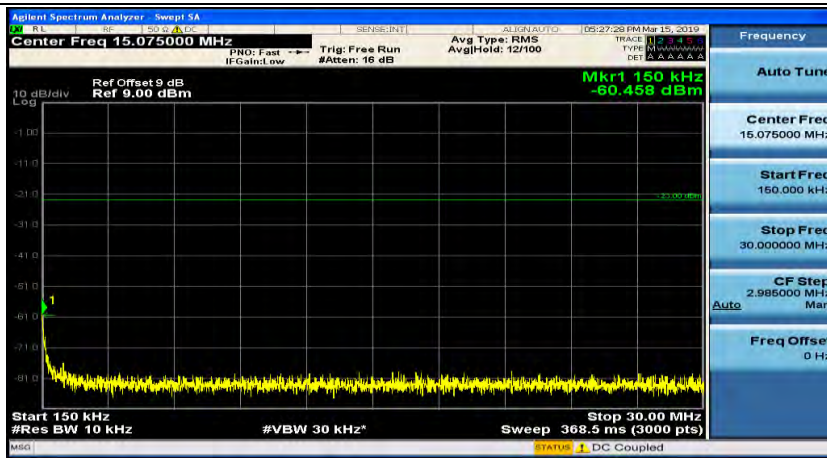


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

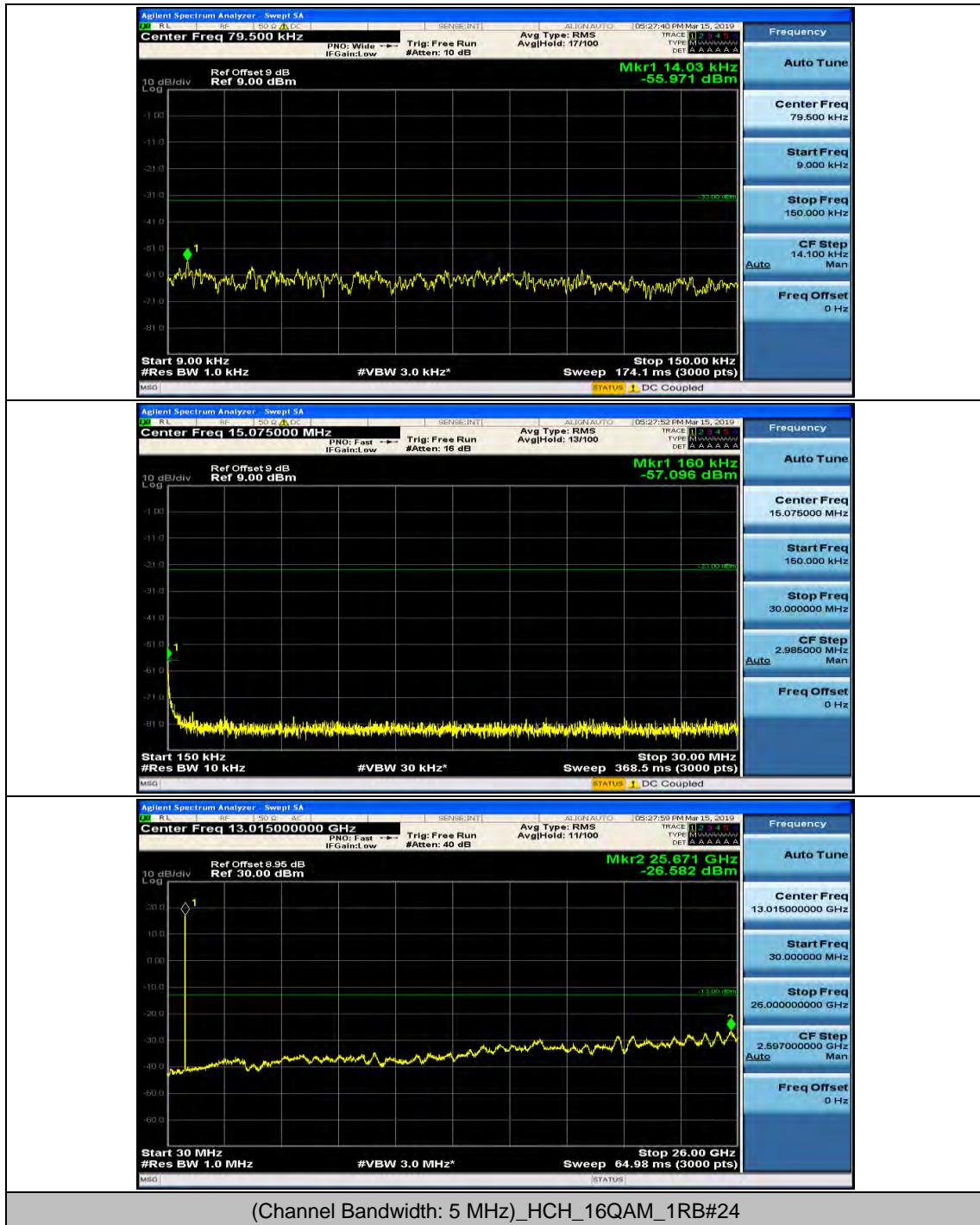


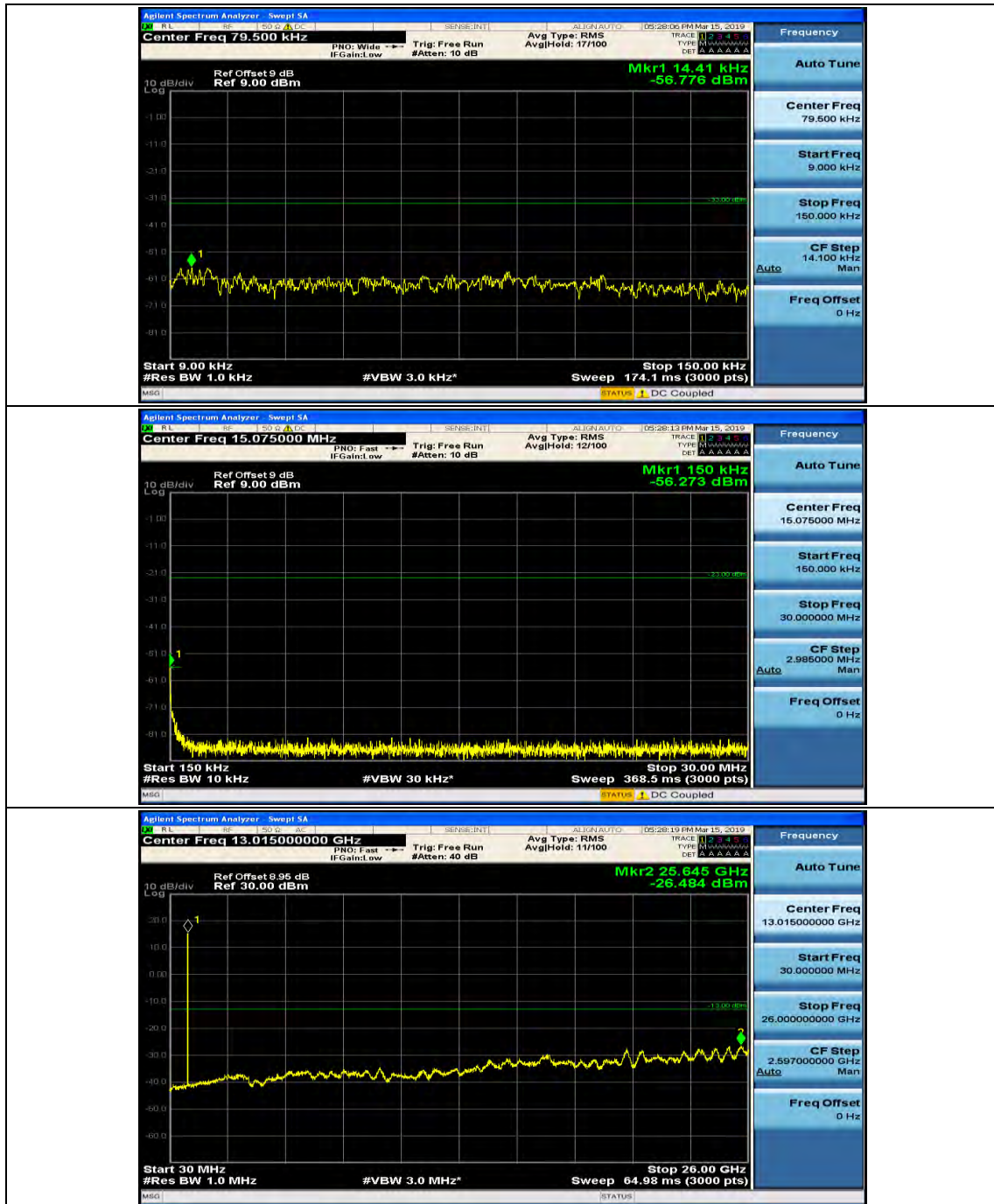


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

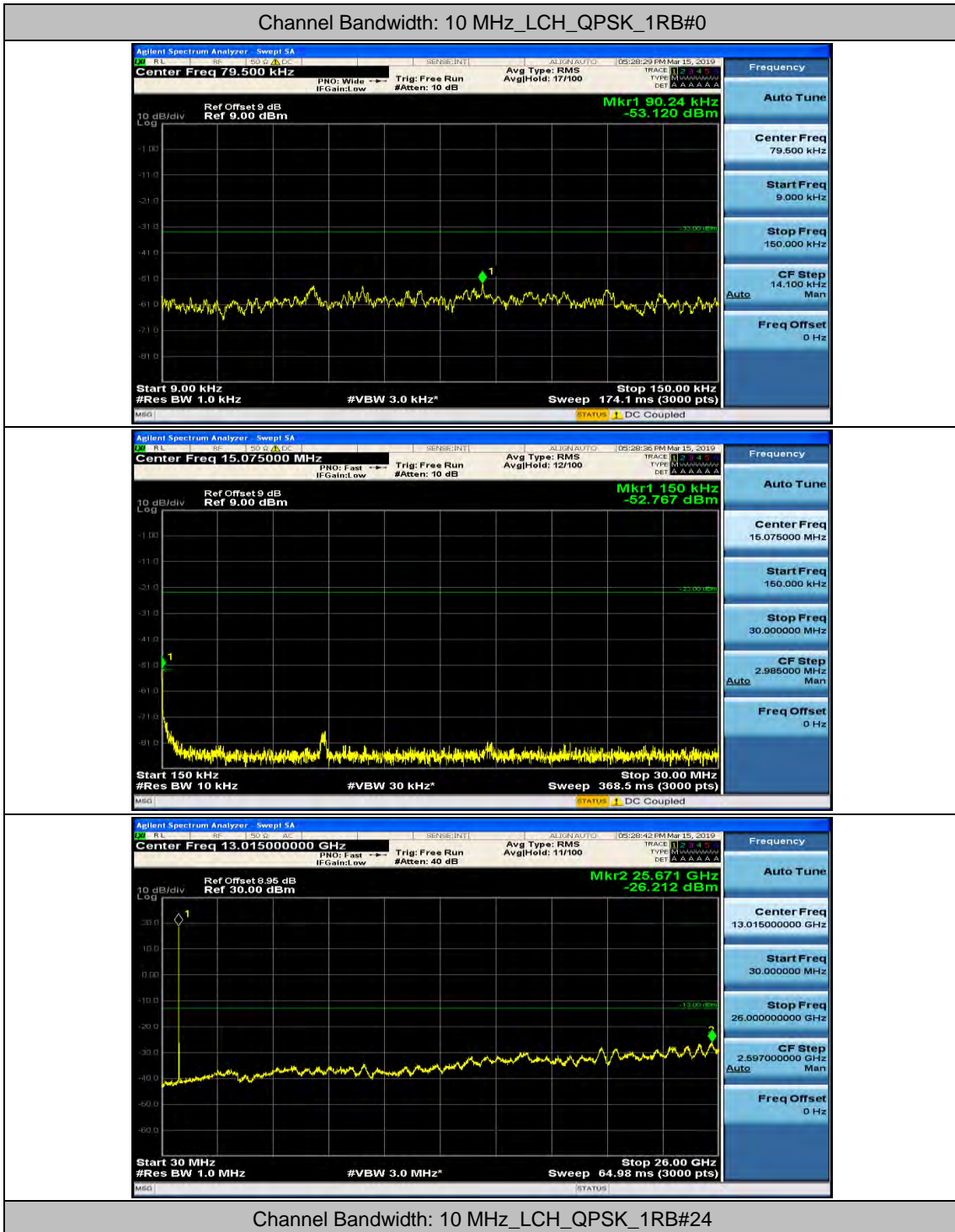


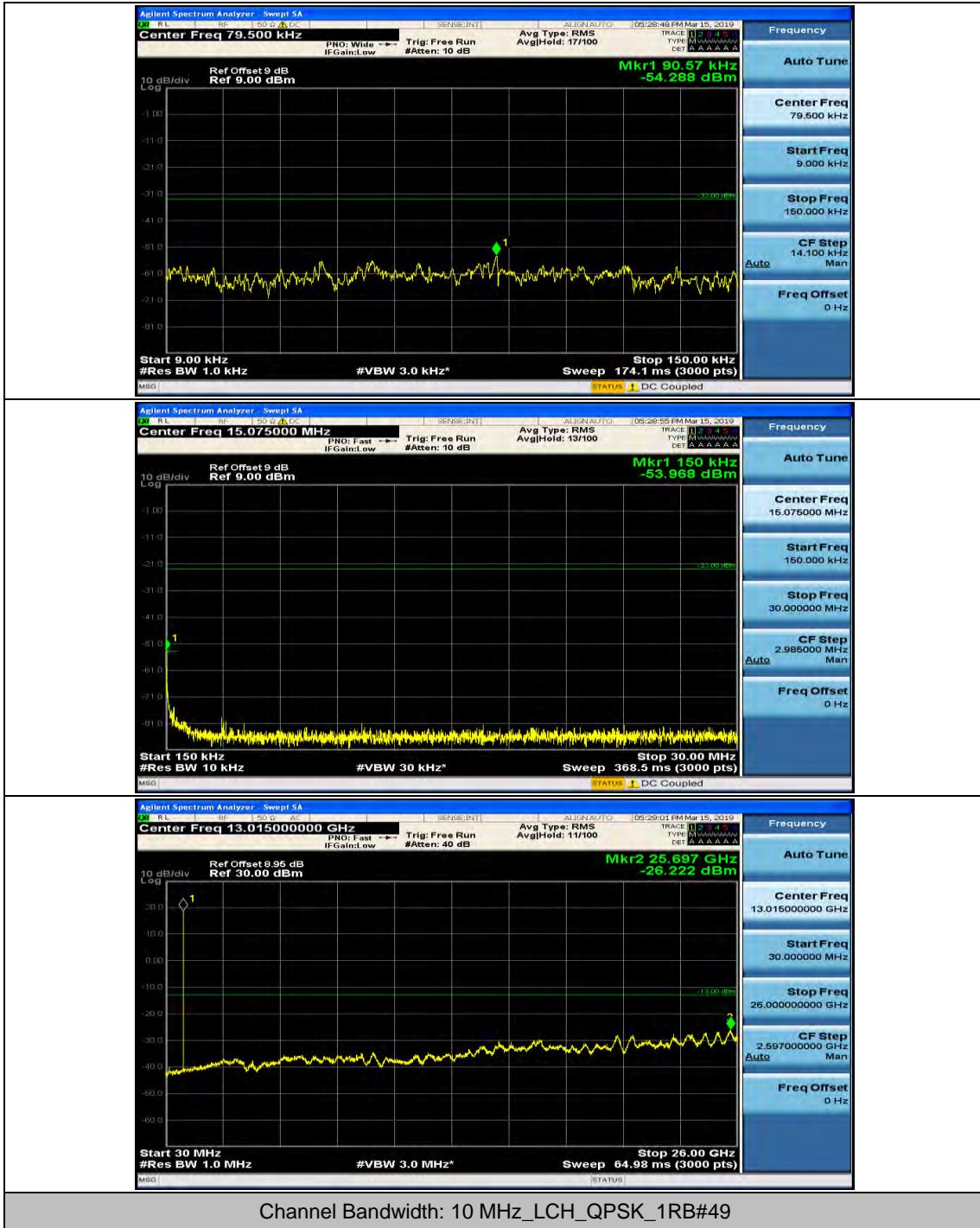
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

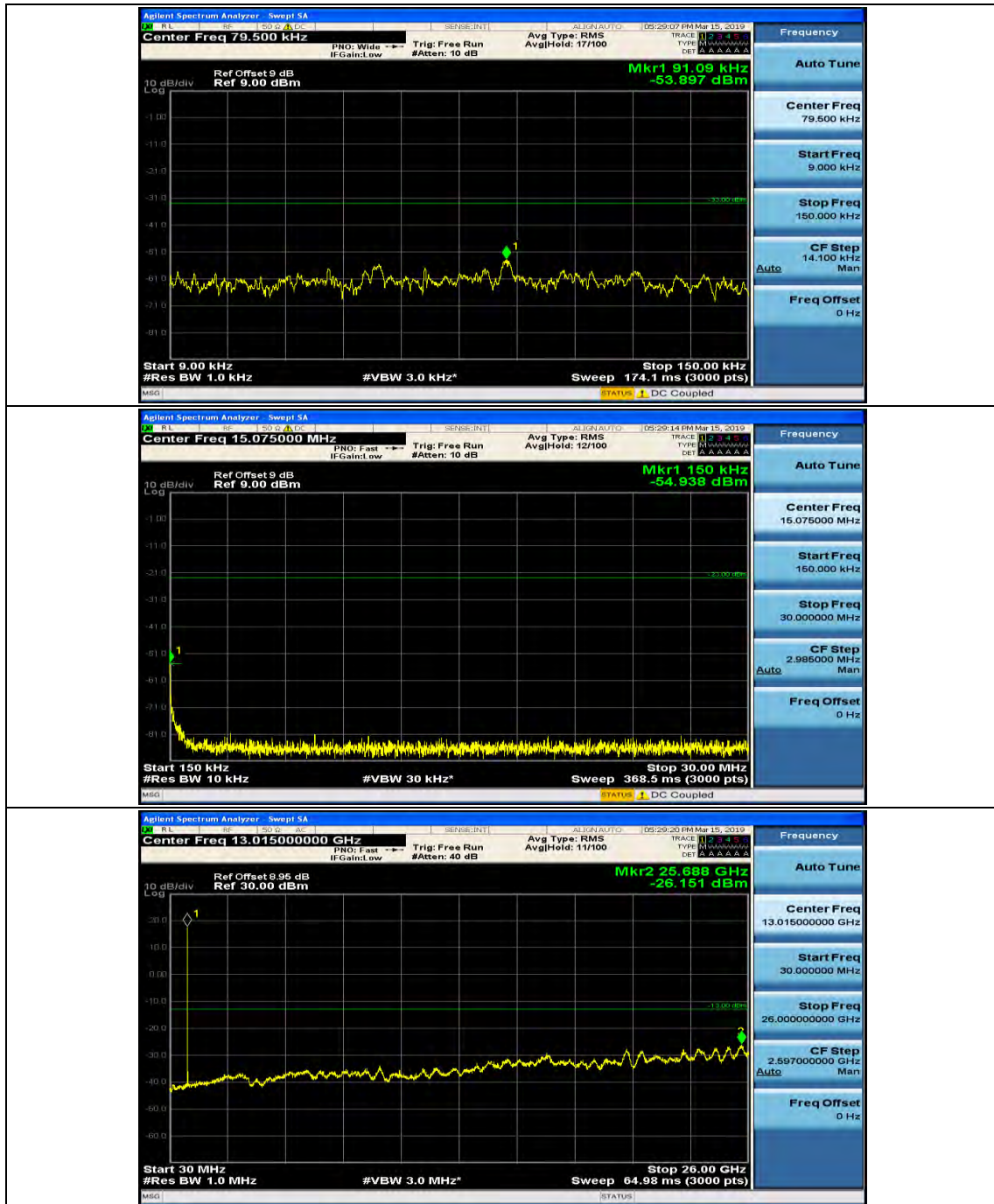




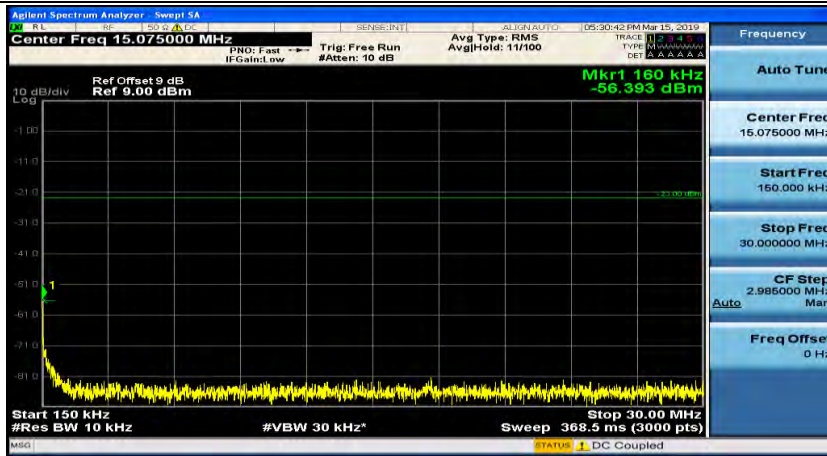
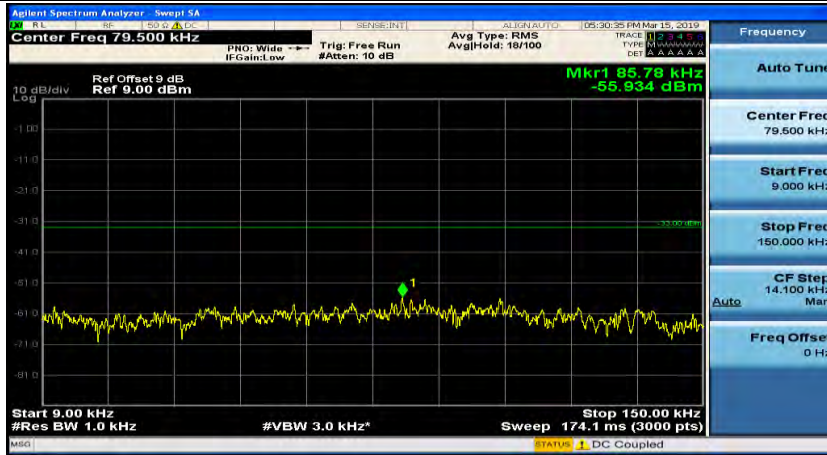
Channel Bandwidth: 10 MHz



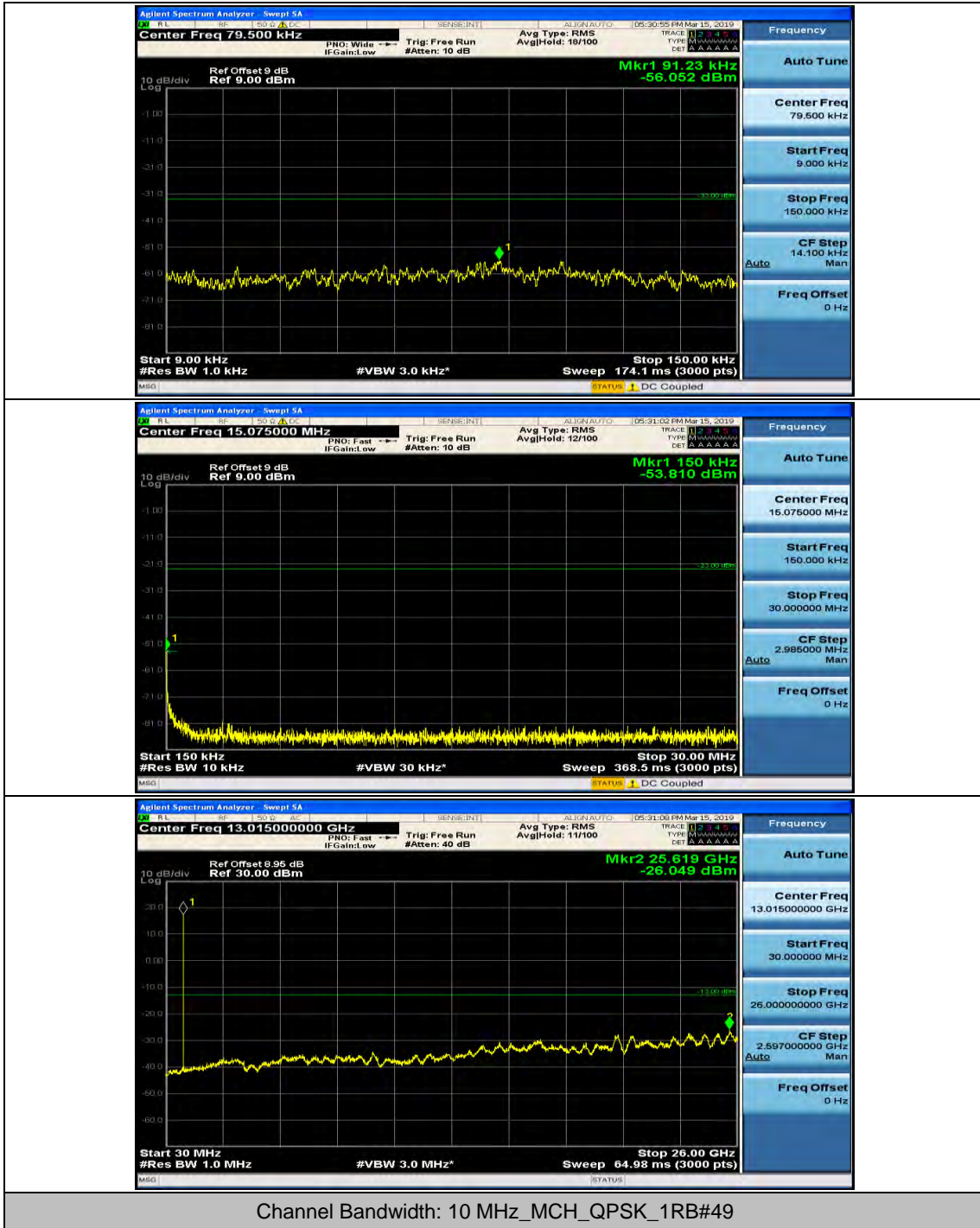


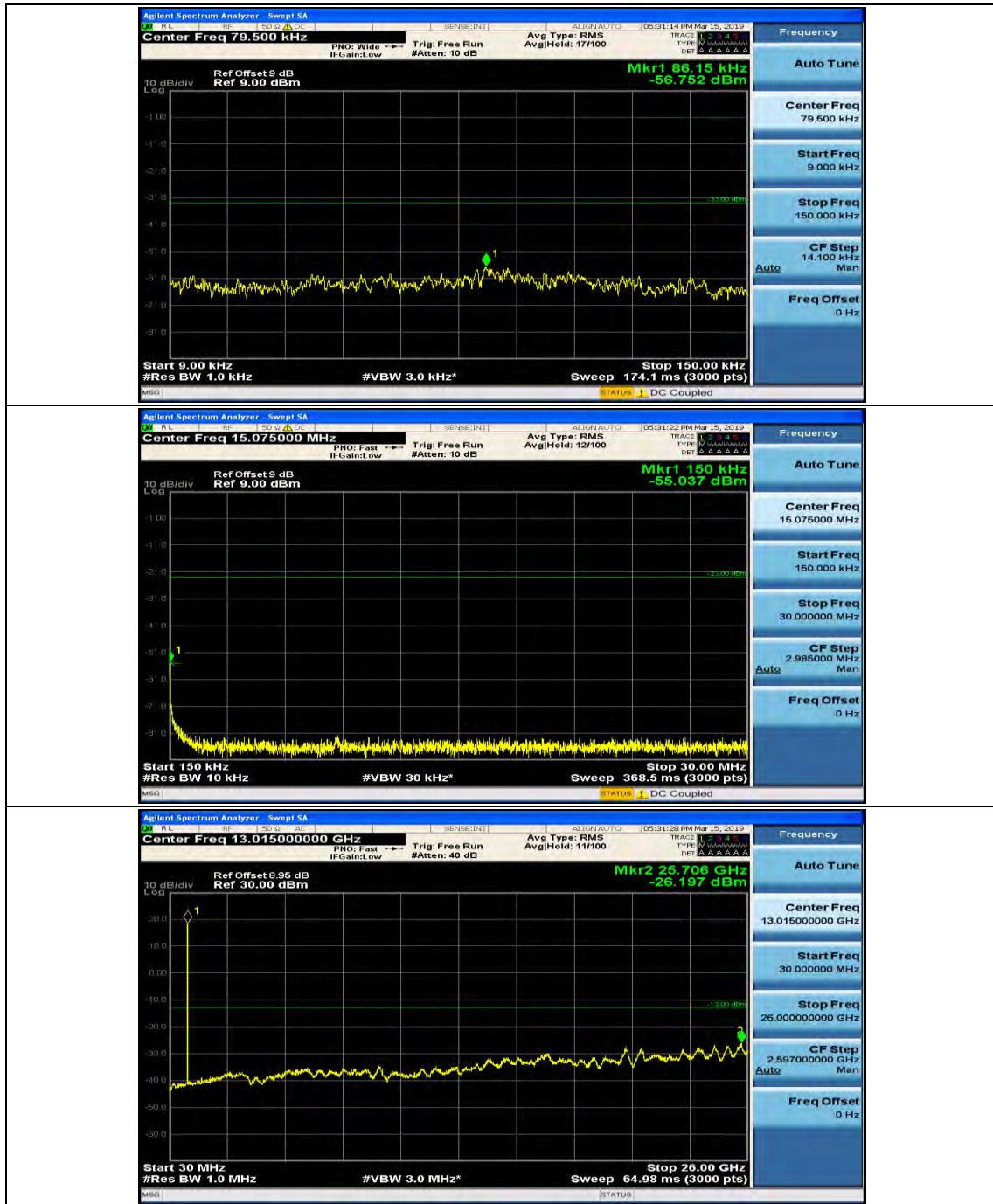


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

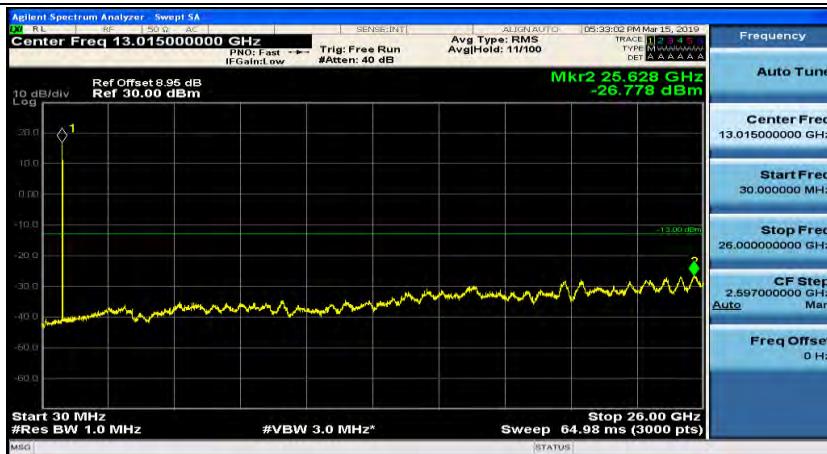
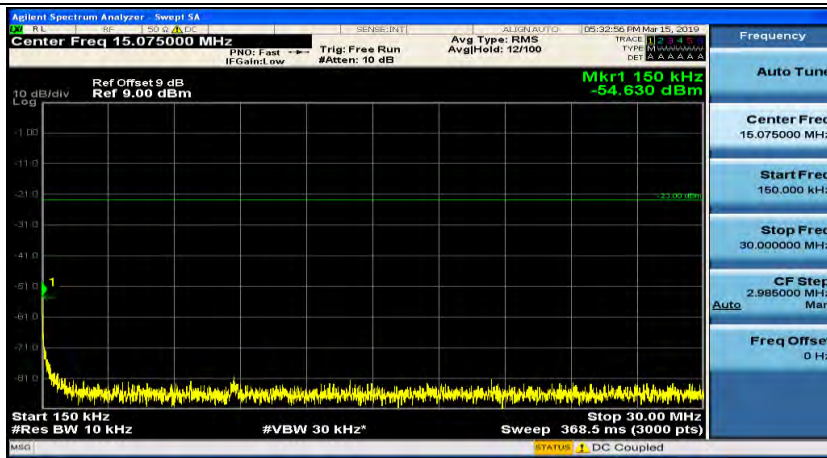


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

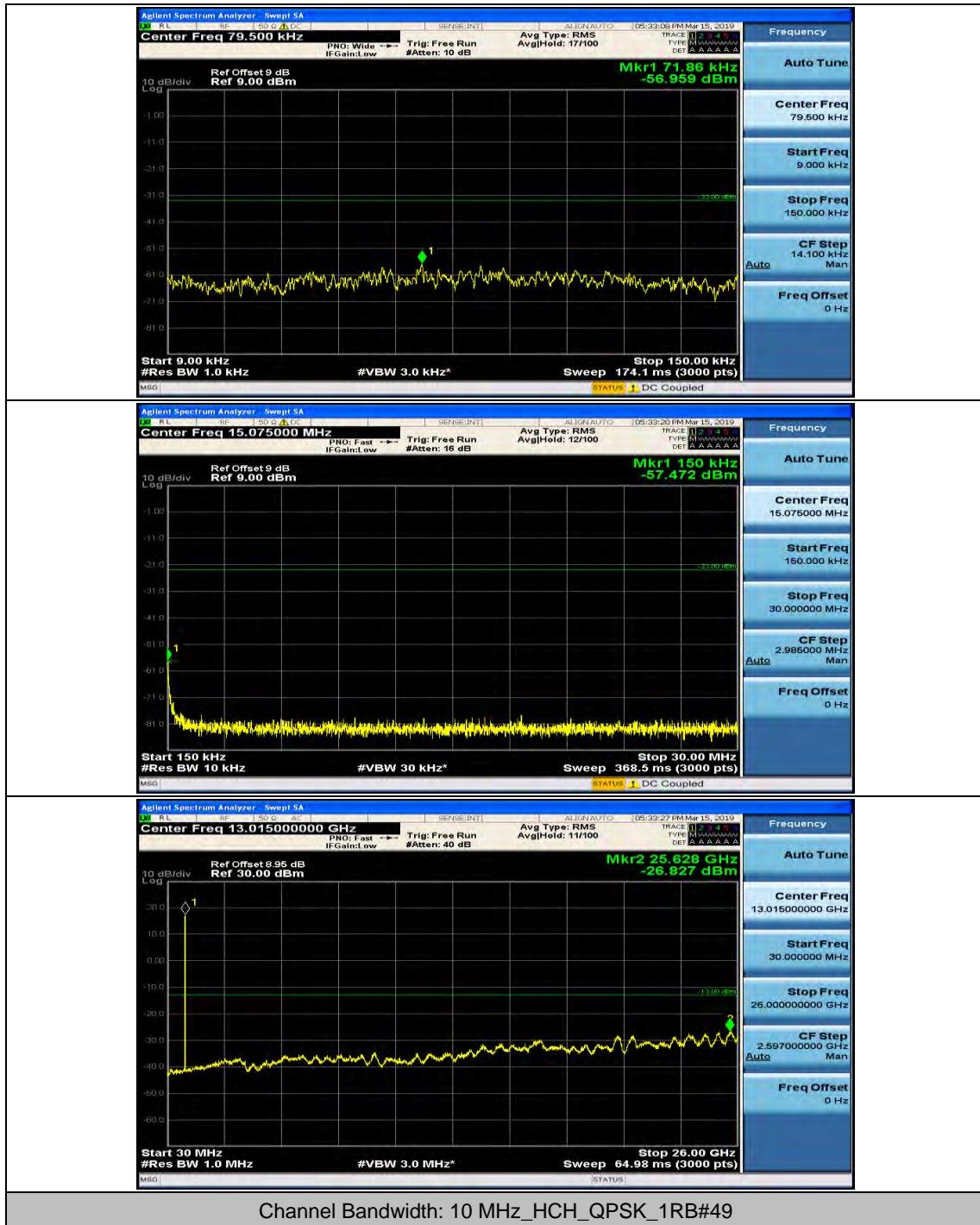


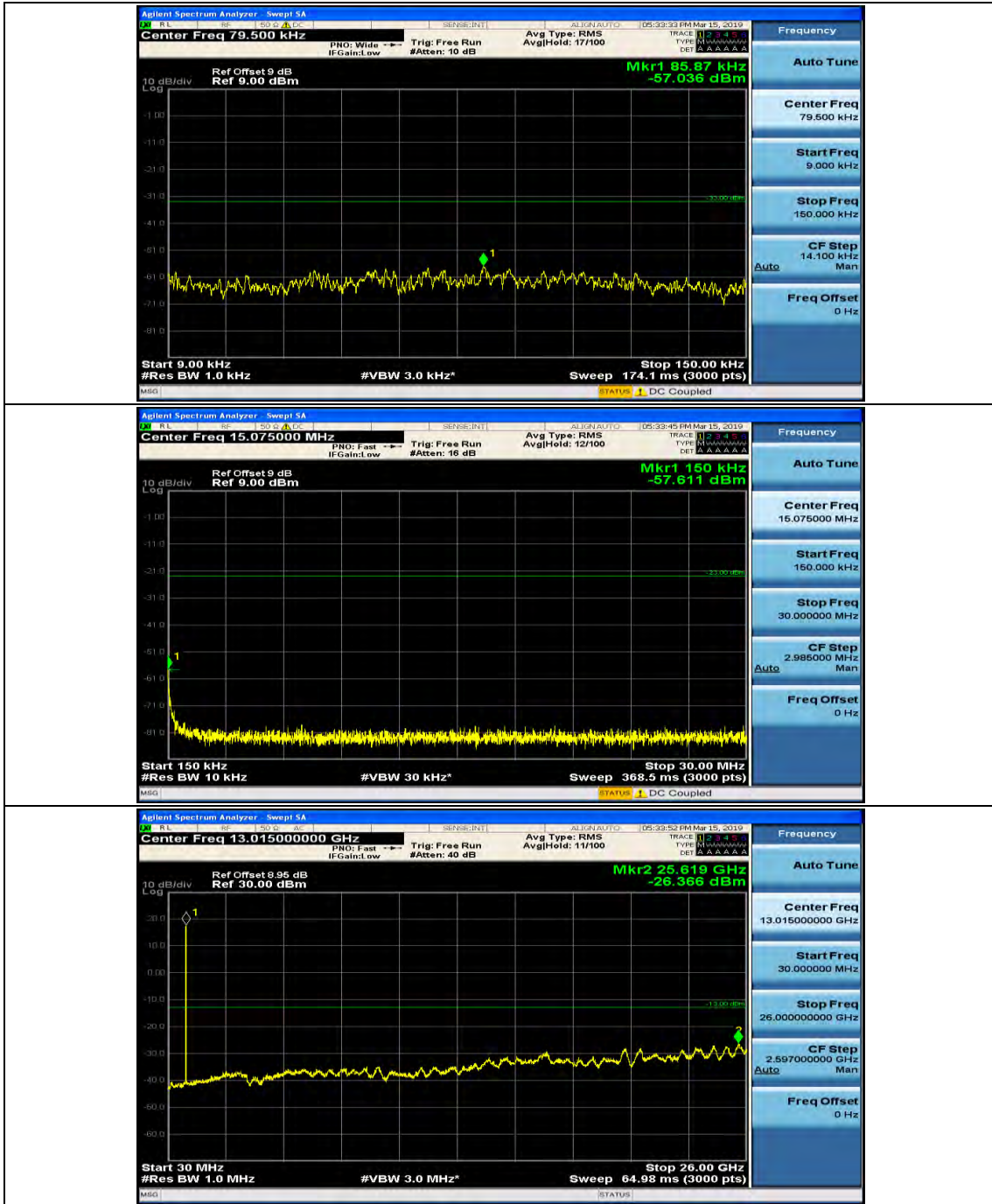


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

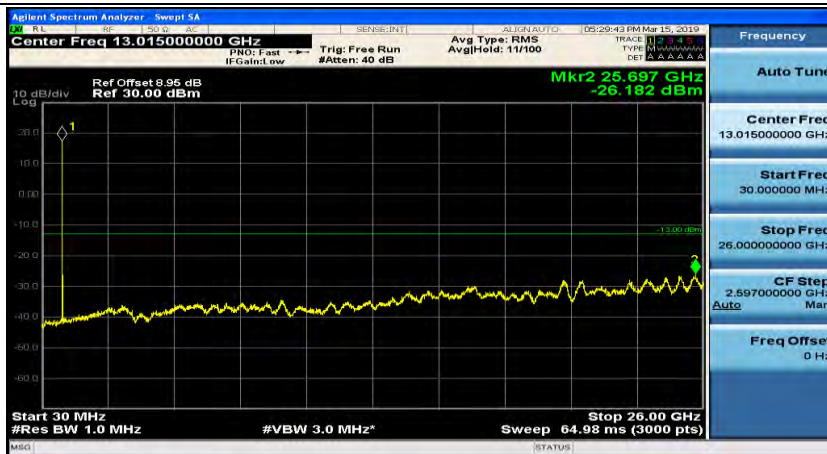
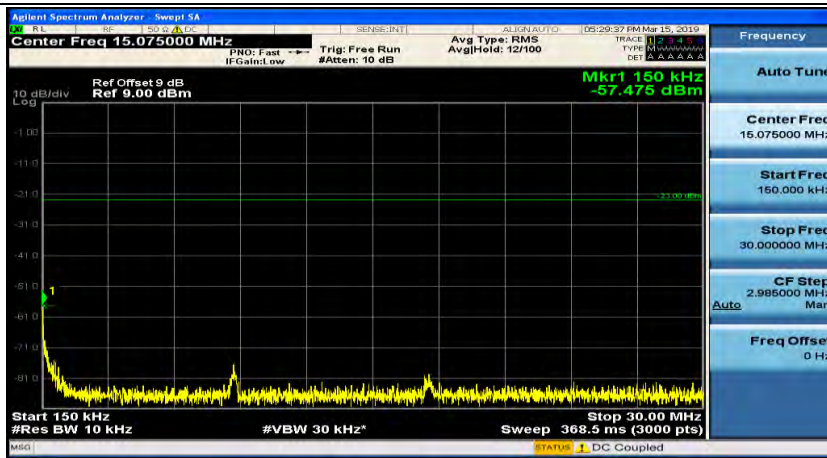
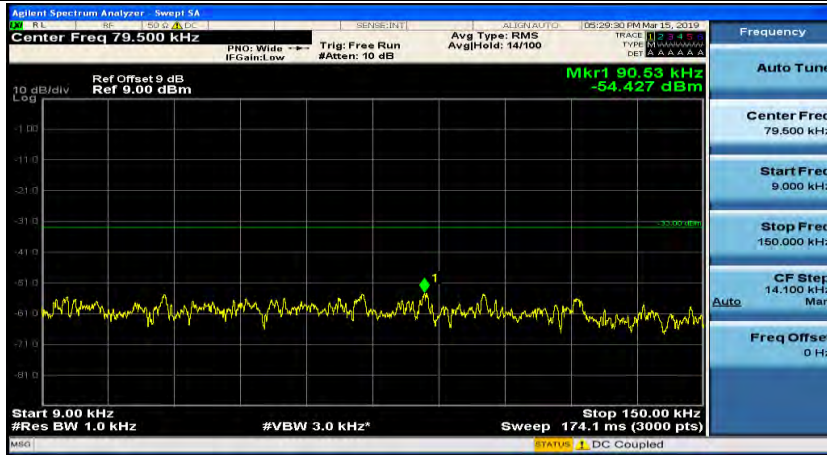


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

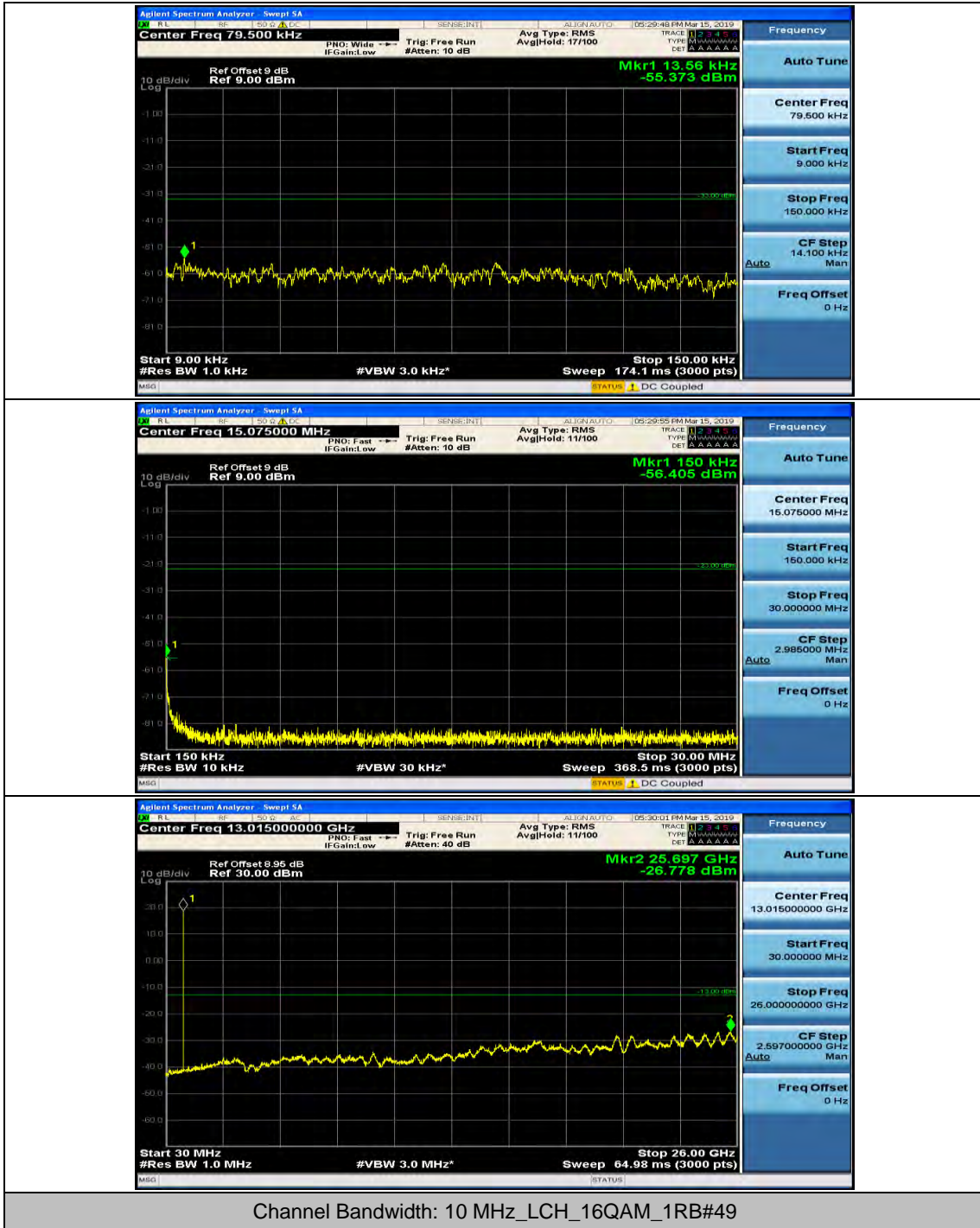


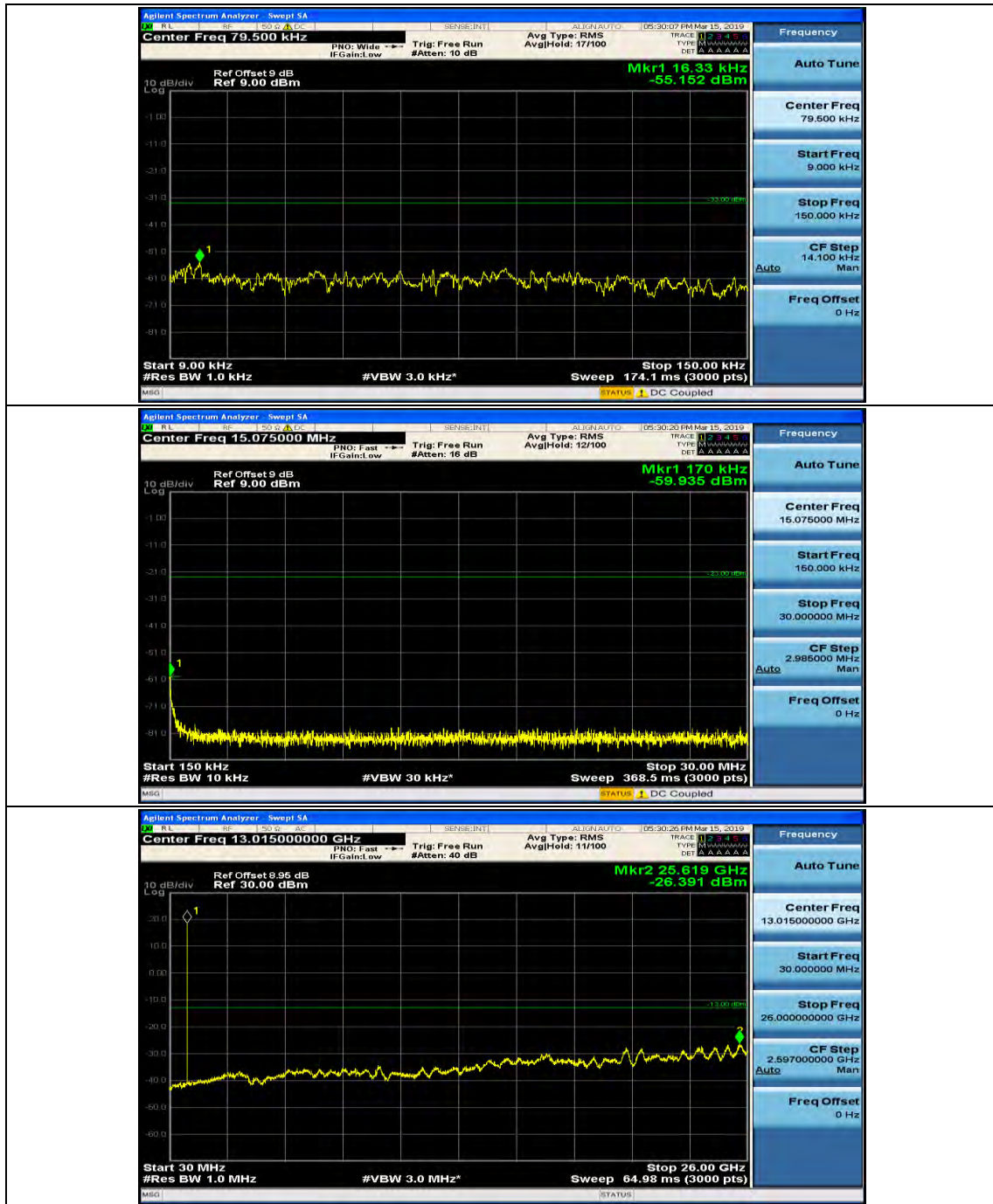


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

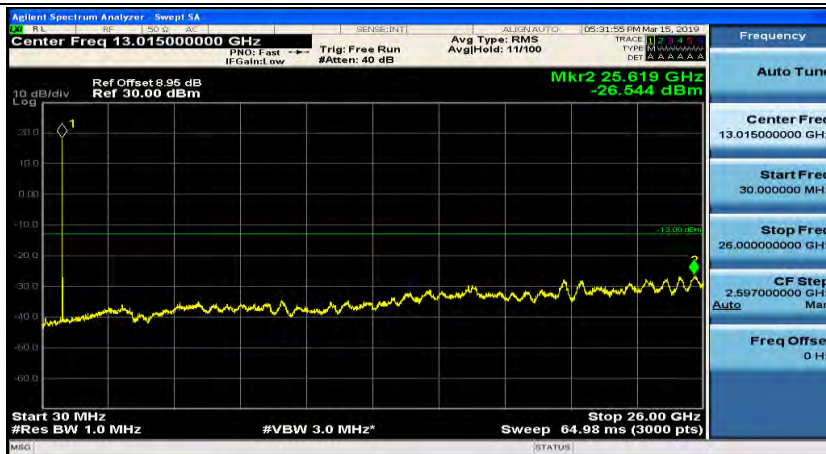
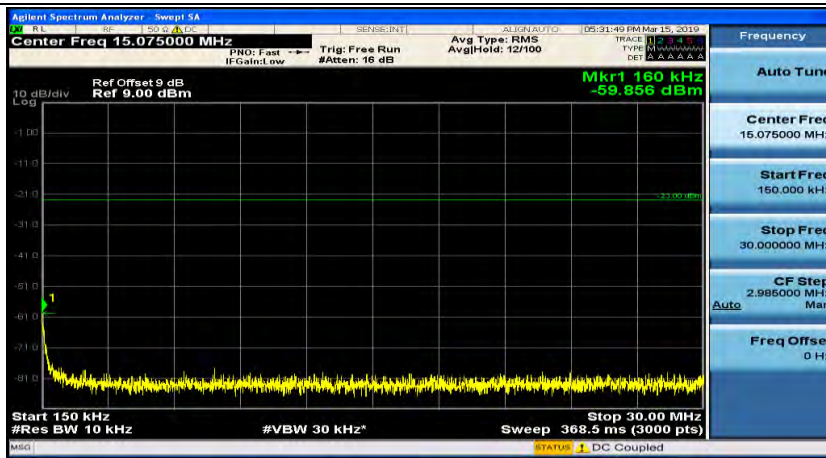


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

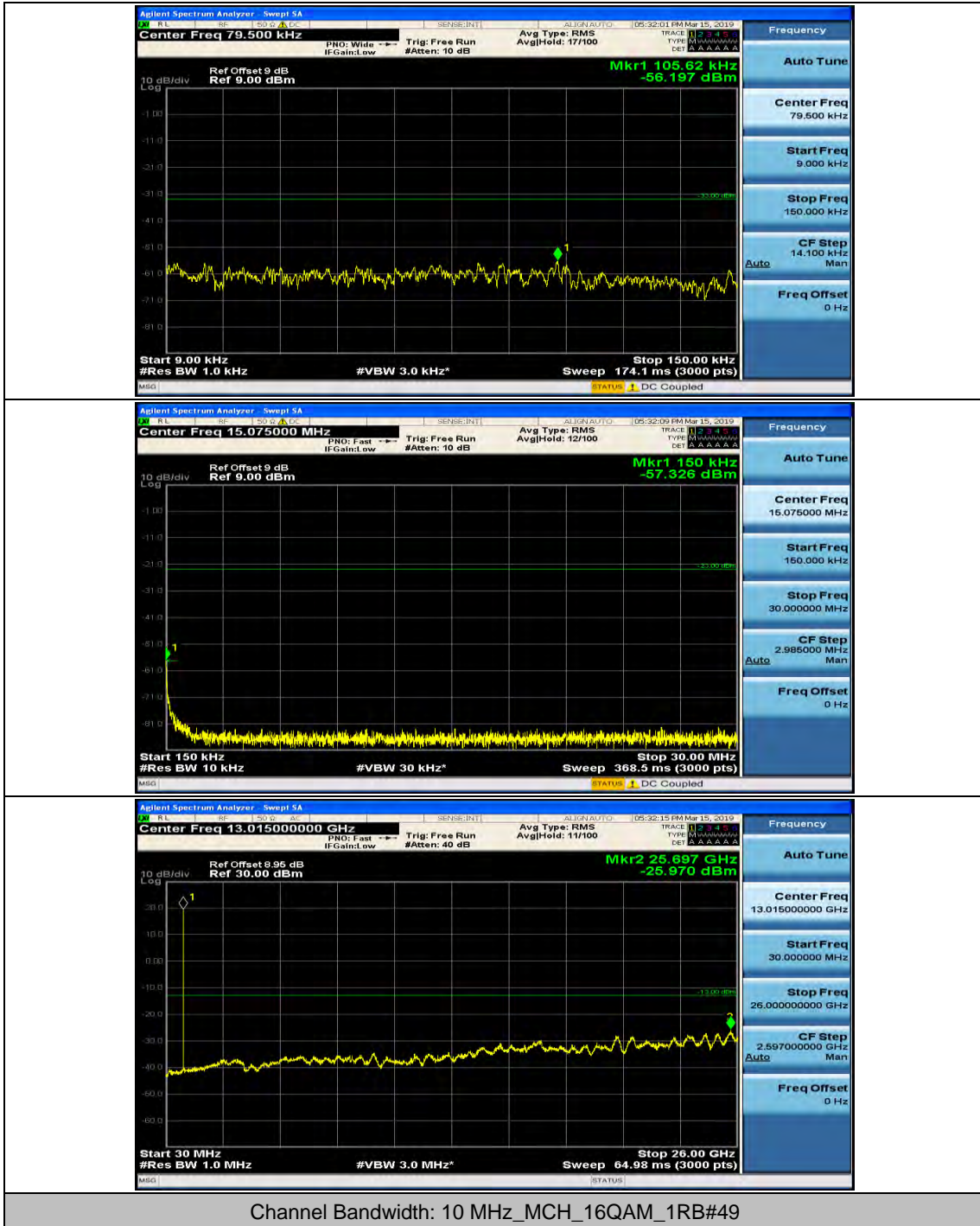


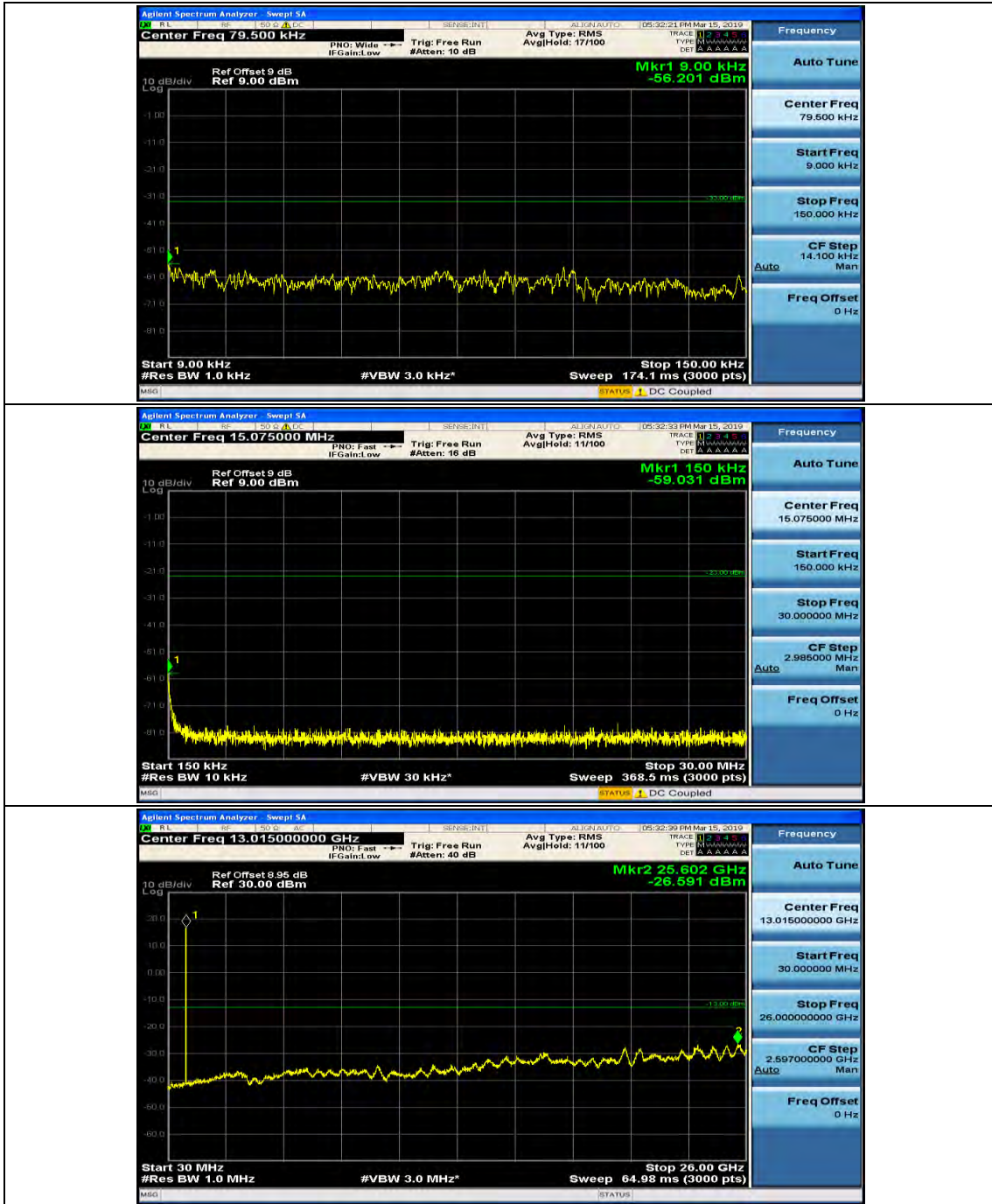


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

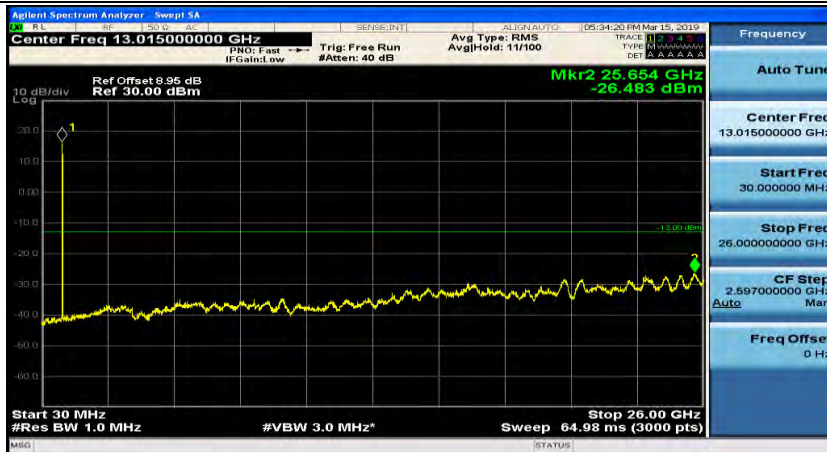
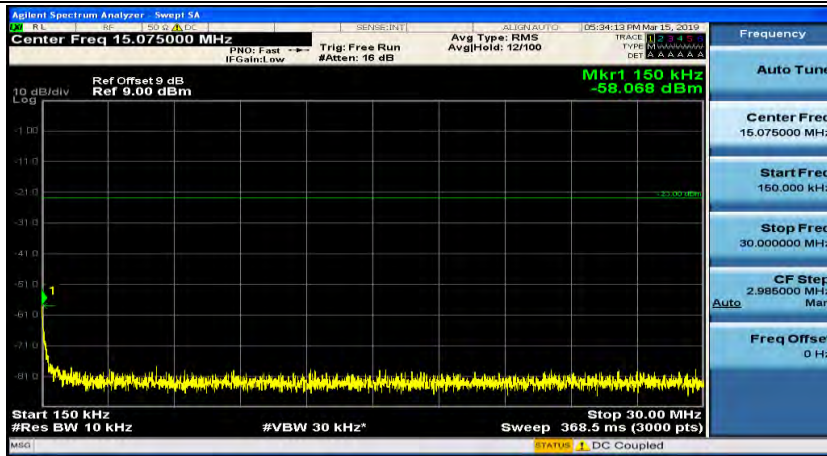
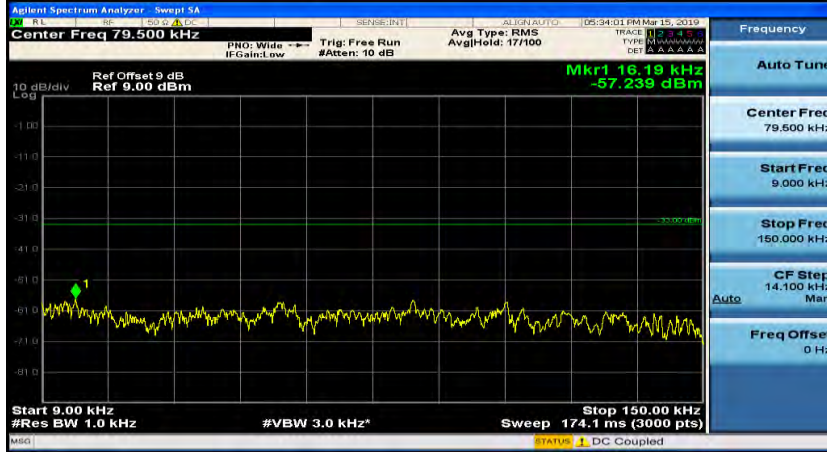


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

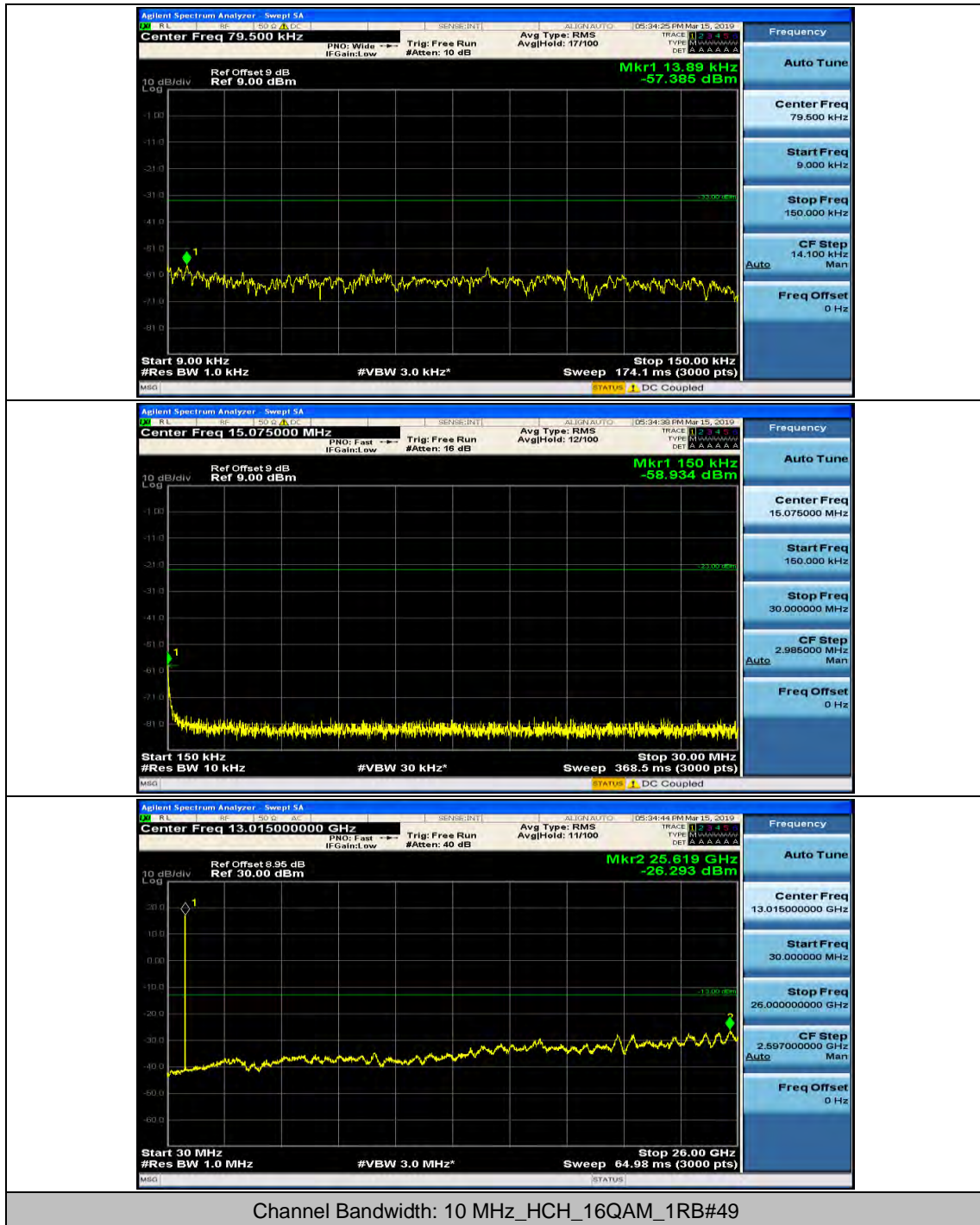


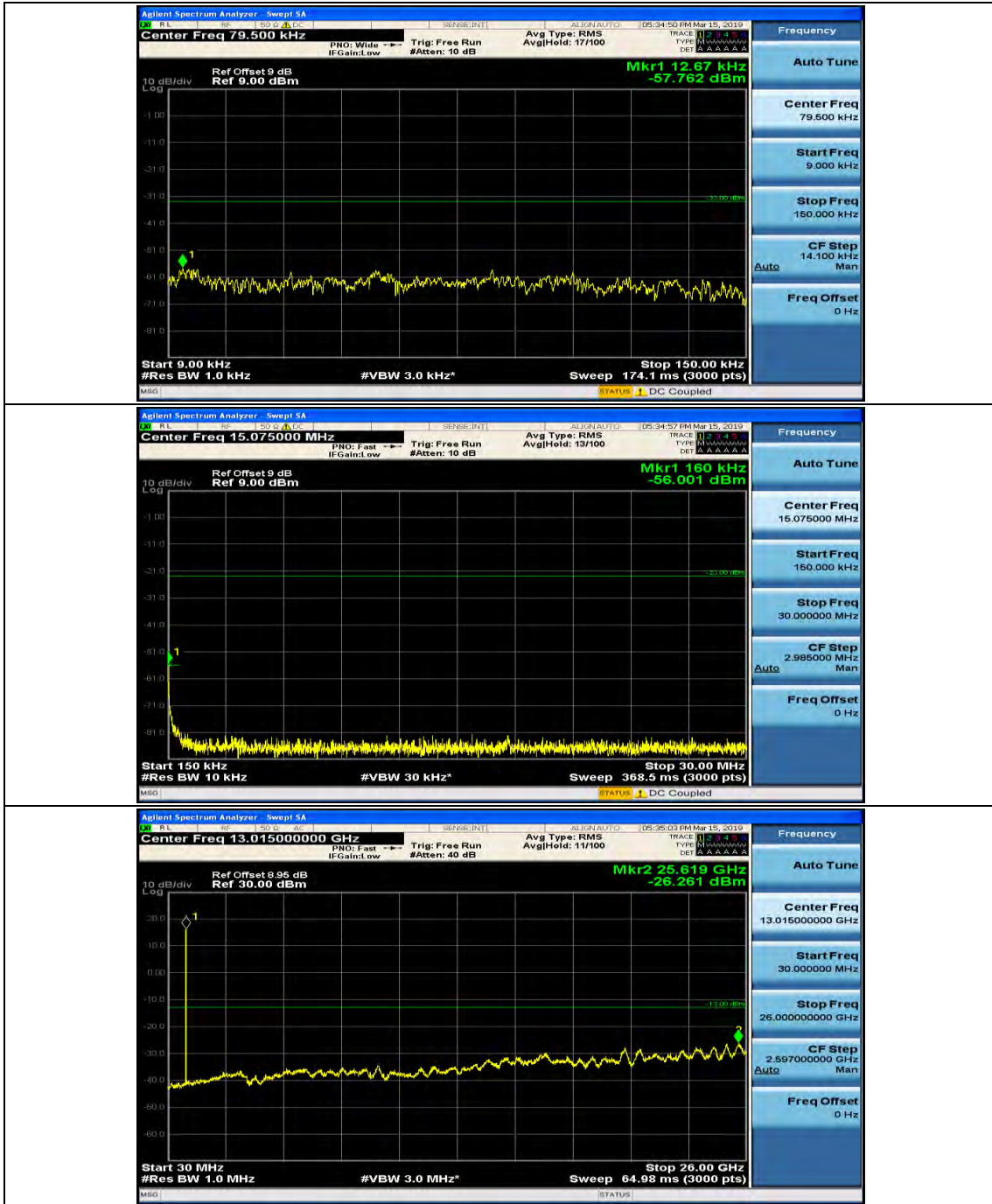


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	0.48	0.000582	± 2.5	PASS
		VN	TN	1	0.001213	± 2.5	PASS
		VH	TN	0.08	0.000097	± 2.5	PASS
	MCH	VL	TN	-0.07	-0.000084	± 2.5	PASS
		VN	TN	-1.78	-0.002128	± 2.5	PASS
		VH	TN	0.42	0.000502	± 2.5	PASS
	HCH	VL	TN	4.2	0.004951	± 2.5	PASS
		VN	TN	0.66	0.000778	± 2.5	PASS
		VH	TN	-1.51	-0.001780	± 2.5	PASS
16QAM	LCH	VL	TN	4.94	0.005990	± 2.5	PASS
		VN	TN	1.37	0.001661	± 2.5	PASS
		VH	TN	-1.37	-0.001661	± 2.5	PASS
	MCH	VL	TN	4.1	0.004901	± 2.5	PASS
		VN	TN	1.93	0.002307	± 2.5	PASS
		VH	TN	-1.66	-0.001984	± 2.5	PASS
	HCH	VL	TN	2.36	0.002782	± 2.5	PASS
		VN	TN	4.32	0.005093	± 2.5	PASS
		VH	TN	3.84	0.004527	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.38	0.005311	± 2.5	PASS
		VN	-20	4.65	0.005638	± 2.5	PASS
		VN	-10	2.04	0.002474	± 2.5	PASS
		VN	0	-1.67	-0.002025	± 2.5	PASS
		VN	10	4.4	0.005335	± 2.5	PASS
		VN	20	4.54	0.005505	± 2.5	PASS
		VN	30	1.96	0.002377	± 2.5	PASS
		VN	40	0.6	0.000728	± 2.5	PASS
		VN	50	-0.21	-0.000255	± 2.5	PASS
	MCH	VN	-30	4.88	0.005834	± 2.5	PASS

		VN	-20	0.06	0.000072	± 2.5	PASS
		VN	-10	4.7	0.005619	± 2.5	PASS
		VN	0	2.75	0.003288	± 2.5	PASS
		VN	10	-1.21	-0.001447	± 2.5	PASS
		VN	20	-1.98	-0.002367	± 2.5	PASS
		VN	30	-1.01	-0.001207	± 2.5	PASS
		VN	40	1.4	0.001674	± 2.5	PASS
		VN	50	0.93	0.001112	± 2.5	PASS
	HCH	VN	-30	2.96	0.003489	± 2.5	PASS
		VN	-20	-1.9	-0.002240	± 2.5	PASS
		VN	-10	1.11	0.001308	± 2.5	PASS
		VN	0	0.55	0.000648	± 2.5	PASS
		VN	10	4.82	0.005682	± 2.5	PASS
		VN	20	4.51	0.005317	± 2.5	PASS
		VN	30	3.82	0.004503	± 2.5	PASS
		VN	40	1.49	0.001756	± 2.5	PASS
		VN	50	-0.62	-0.000731	± 2.5	PASS
		16QAM	LCH	VN	-30	4.78	0.005796
VN	-20			-0.51	-0.000618	± 2.5	PASS
VN	-10			1.71	0.002073	± 2.5	PASS
VN	0			4.23	0.005129	± 2.5	PASS
VN	10			-0.17	-0.000206	± 2.5	PASS
VN	20			4.48	0.005432	± 2.5	PASS
VN	30			-1.23	-0.001491	± 2.5	PASS
VN	40			2.46	0.002983	± 2.5	PASS
VN	50			-1.36	-0.001649	± 2.5	PASS
MCH	VN		-30	1.59	0.001874	± 2.5	PASS
	VN		-20	-1.42	-0.001674	± 2.5	PASS
	VN		-10	2.2	0.002593	± 2.5	PASS
	VN		0	0	0.000000	± 2.5	PASS
	VN		10	0.27	0.000318	± 2.5	PASS
	VN		20	-1.5	-0.001768	± 2.5	PASS
	VN		30	3.93	0.004633	± 2.5	PASS
	VN		40	0.29	0.000342	± 2.5	PASS
	VN		50	-1.71	-0.002016	± 2.5	PASS
HCH	VN		-30	2.85	0.003360	± 2.5	PASS
	VN		-20	1.51	0.001780	± 2.5	PASS
	VN		-10	4.44	0.005234	± 2.5	PASS
	VN		0	0.13	0.000153	± 2.5	PASS
	VN		10	0.84	0.000990	± 2.5	PASS
	VN		20	3.25	0.003831	± 2.5	PASS

		VN	30	-0.99	-0.001167	± 2.5	PASS
		VN	40	0.96	0.001132	± 2.5	PASS
		VN	50	3.37	0.003973	± 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	3.38	0.004094	± 2.5	PASS
		VN	TN	-1.87	-0.002265	± 2.5	PASS
		VH	TN	2.94	0.003561	± 2.5	PASS
	MCH	VL	TN	-1.03	-0.001231	± 2.5	PASS
		VN	TN	1.59	0.001901	± 2.5	PASS
		VH	TN	3.28	0.003921	± 2.5	PASS
	HCH	VL	TN	4.74	0.005593	± 2.5	PASS
		VN	TN	3.16	0.003729	± 2.5	PASS
		VH	TN	0.42	0.000496	± 2.5	PASS
16QAM	LCH	VL	TN	3.1	0.003755	± 2.5	PASS
		VN	TN	-0.59	-0.000715	± 2.5	PASS
		VH	TN	3.91	0.004737	± 2.5	PASS
	MCH	VL	TN	1.82	0.002176	± 2.5	PASS
		VN	TN	4.69	0.005607	± 2.5	PASS
		VH	TN	1.7	0.002032	± 2.5	PASS
	HCH	VL	TN	0.16	0.000189	± 2.5	PASS
		VN	TN	2.58	0.003044	± 2.5	PASS
		VH	TN	3.35	0.003953	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.23	0.001490	± 2.5	PASS
		VN	-20	-1.15	-0.001393	± 2.5	PASS
		VN	-10	2.35	0.002847	± 2.5	PASS
		VN	0	2.79	0.003380	± 2.5	PASS
		VN	10	-0.51	-0.000618	± 2.5	PASS
		VN	20	2.73	0.003307	± 2.5	PASS
		VN	30	4.04	0.004894	± 2.5	PASS
		VN	40	3.24	0.003925	± 2.5	PASS
		VN	50	-0.88	-0.001066	± 2.5	PASS
	MCH	VN	-30	0.98	0.001172	± 2.5	PASS
		VN	-20	3.41	0.004077	± 2.5	PASS

		VN	-10	4.71	0.005631	± 2.5	PASS		
		VN	0	3.66	0.004375	± 2.5	PASS		
		VN	10	3.71	0.004435	± 2.5	PASS		
		VN	20	3.33	0.003981	± 2.5	PASS		
		VN	30	2.95	0.003527	± 2.5	PASS		
		VN	40	0.82	0.000980	± 2.5	PASS		
		VN	50	3.61	0.004316	± 2.5	PASS		
	HCH	VN	-30	-0.6	-0.000708	± 2.5	PASS		
		VN	-20	0.95	0.001121	± 2.5	PASS		
		VN	-10	0.61	0.000720	± 2.5	PASS		
		VN	0	3.19	0.003764	± 2.5	PASS		
		VN	10	3.53	0.004165	± 2.5	PASS		
		VN	20	3.56	0.004201	± 2.5	PASS		
		VN	30	4.36	0.005145	± 2.5	PASS		
		VN	40	2.46	0.002903	± 2.5	PASS		
		VN	50	3.29	0.003882	± 2.5	PASS		
		QPSK	LCH	VN	-30	3.88	0.004638	± 2.5	PASS
				VN	-20	-1.14	-0.001363	± 2.5	PASS
VN	-10			2.5	0.002989	± 2.5	PASS		
VN	0			4.75	0.005678	± 2.5	PASS		
VN	10			-1.11	-0.001327	± 2.5	PASS		
VN	20			0.88	0.001052	± 2.5	PASS		
VN	30			3.57	0.004268	± 2.5	PASS		
VN	40			3.06	0.003658	± 2.5	PASS		
VN	50			1	0.001195	± 2.5	PASS		
MCH	VN		-30	0.51	0.000602	± 2.5	PASS		
	VN		-20	-0.13	-0.000153	± 2.5	PASS		
	VN		-10	1.13	0.001333	± 2.5	PASS		
	VN		0	4.83	0.005699	± 2.5	PASS		
	VN		10	1.54	0.001817	± 2.5	PASS		
	VN		20	2.14	0.002525	± 2.5	PASS		
	VN		30	-1.85	-0.002183	± 2.5	PASS		
	VN		40	-1.37	-0.001617	± 2.5	PASS		
	VN		50	2.61	0.003080	± 2.5	PASS		
HCH	VN		-30	2.07	0.002442	± 2.5	PASS		
	VN		-20	1.05	0.001239	± 2.5	PASS		
	VN		-10	4.76	0.005617	± 2.5	PASS		
	VN		0	2.24	0.002643	± 2.5	PASS		
	VN		10	3.61	0.004260	± 2.5	PASS		
	VN		20	2.38	0.002808	± 2.5	PASS		
	VN		30	0.05	0.000059	± 2.5	PASS		

		VN	40	3.48	0.004106	± 2.5	PASS
		VN	50	0.81	0.000956	± 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	-1.4	-0.001694	± 2.5	PASS
		VN	TN	2.1	0.002541	± 2.5	PASS
		VH	TN	-0.9	-0.001089	± 2.5	PASS
	MCH	VL	TN	-1.53	-0.001829	± 2.5	PASS
		VN	TN	3	0.003586	± 2.5	PASS
		VH	TN	-1.12	-0.001339	± 2.5	PASS
	HCH	VL	TN	0.93	0.001099	± 2.5	PASS
		VN	TN	-1.59	-0.001878	± 2.5	PASS
		VH	TN	3.15	0.003721	± 2.5	PASS
16QAM	LCH	VL	TN	-0.57	-0.000690	± 2.5	PASS
		VN	TN	2.57	0.003109	± 2.5	PASS
		VH	TN	2.9	0.003509	± 2.5	PASS
	MCH	VL	TN	1.74	0.002080	± 2.5	PASS
		VN	TN	1.05	0.001255	± 2.5	PASS
		VH	TN	1.51	0.001805	± 2.5	PASS
	HCH	VL	TN	-0.89	-0.001051	± 2.5	PASS
		VN	TN	4.53	0.005351	± 2.5	PASS
		VH	TN	-0.9	-0.001063	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.56	0.001887	± 2.5	PASS
		VN	-20	-0.1	-0.000121	± 2.5	PASS
		VN	-10	3.94	0.004767	± 2.5	PASS
		VN	0	3.97	0.004803	± 2.5	PASS
		VN	10	0.52	0.000629	± 2.5	PASS
		VN	20	-1.55	-0.001875	± 2.5	PASS
		VN	30	2.9	0.003509	± 2.5	PASS
		VN	40	4.82	0.005832	± 2.5	PASS
		VN	50	4.63	0.005602	± 2.5	PASS
	MCH	VN	-30	4.5	0.005380	± 2.5	PASS
		VN	-20	-1.63	-0.001949	± 2.5	PASS
		VN	-10	-0.04	-0.000048	± 2.5	PASS

		VN	0	-0.42	-0.000502	± 2.5	PASS		
		VN	10	-0.76	-0.000909	± 2.5	PASS		
		VN	20	-1.43	-0.001710	± 2.5	PASS		
		VN	30	2.49	0.002977	± 2.5	PASS		
		VN	40	0.21	0.000251	± 2.5	PASS		
		VN	50	-0.35	-0.000418	± 2.5	PASS		
	HCH	VN	-30	0.15	0.000177	± 2.5	PASS		
		VN	-20	-1.89	-0.002233	± 2.5	PASS		
		VN	-10	-1.28	-0.001512	± 2.5	PASS		
		VN	0	2.45	0.002894	± 2.5	PASS		
		VN	10	2.69	0.003178	± 2.5	PASS		
		VN	20	-1.88	-0.002221	± 2.5	PASS		
		VN	30	-1.34	-0.001583	± 2.5	PASS		
		VN	40	0.79	0.000933	± 2.5	PASS		
		VN	50	4.88	0.005765	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.23	0.000275	± 2.5	PASS
				VN	-20	-0.74	-0.000885	± 2.5	PASS
				VN	-10	2.8	0.003347	± 2.5	PASS
VN	0			-0.56	-0.000669	± 2.5	PASS		
VN	10			4.21	0.005033	± 2.5	PASS		
VN	20			2.28	0.002726	± 2.5	PASS		
VN	30			3.1	0.003706	± 2.5	PASS		
VN	40			4.23	0.005057	± 2.5	PASS		
VN	50			3.37	0.004029	± 2.5	PASS		
MCH	VN		-30	3.85	0.004548	± 2.5	PASS		
	VN		-20	-1.13	-0.001335	± 2.5	PASS		
	VN		-10	4.75	0.005611	± 2.5	PASS		
	VN		0	1.44	0.001701	± 2.5	PASS		
	VN		10	2.79	0.003296	± 2.5	PASS		
	VN		20	-0.13	-0.000154	± 2.5	PASS		
	VN		30	0.14	0.000165	± 2.5	PASS		
	VN		40	0.97	0.001146	± 2.5	PASS		
	VN		50	-1.36	-0.001607	± 2.5	PASS		
HCH	VN		-30	-1.5	-0.001772	± 2.5	PASS		
	VN		-20	2.9	0.003426	± 2.5	PASS		
	VN		-10	3.5	0.004135	± 2.5	PASS		
	VN		0	-0.34	-0.000402	± 2.5	PASS		
	VN		10	-0.04	-0.000047	± 2.5	PASS		
	VN		20	2.33	0.002753	± 2.5	PASS		
	VN		30	4.35	0.005139	± 2.5	PASS		
	VN		40	4.85	0.005729	± 2.5	PASS		

		VN	50	-0.51	-0.000602	± 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	-1.41	-0.001701	± 2.5	PASS
		VN	TN	1.99	0.002400	± 2.5	PASS
		VH	TN	2.72	0.003281	± 2.5	PASS
	MCH	VL	TN	-0.8	-0.000956	± 2.5	PASS
		VN	TN	-0.85	-0.001016	± 2.5	PASS
		VH	TN	-1.03	-0.001231	± 2.5	PASS
	HCH	VL	TN	1.48	0.001754	± 2.5	PASS
		VN	TN	3.62	0.004289	± 2.5	PASS
		VH	TN	-0.2	-0.000237	± 2.5	PASS
16QAM	LCH	VL	TN	4.36	0.005259	± 2.5	PASS
		VN	TN	3.54	0.004270	± 2.5	PASS
		VH	TN	0.56	0.000676	± 2.5	PASS
	MCH	VL	TN	2.76	0.003299	± 2.5	PASS
		VN	TN	4.58	0.005475	± 2.5	PASS
		VH	TN	1.99	0.002379	± 2.5	PASS
	HCH	VL	TN	3.1	0.003673	± 2.5	PASS
		VN	TN	-0.22	-0.000261	± 2.5	PASS
		VH	TN	-0.15	-0.000178	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3.1	0.003739	± 2.5	PASS
		VN	-20	4.76	0.005742	± 2.5	PASS
		VN	-10	2.27	0.002738	± 2.5	PASS
		VN	0	4.02	0.004849	± 2.5	PASS
		VN	10	3.5	0.004222	± 2.5	PASS
		VN	20	3.79	0.004572	± 2.5	PASS
		VN	30	1.47	0.001773	± 2.5	PASS
		VN	40	2.33	0.002811	± 2.5	PASS
		VN	50	2.29	0.002762	± 2.5	PASS
	MCH	VN	-30	3.75	0.004483	± 2.5	PASS
		VN	-20	-1.22	-0.001458	± 2.5	PASS
		VN	-10	0.08	0.000096	± 2.5	PASS
		VN	0	3.15	0.003766	± 2.5	PASS

		VN	10	3.91	0.004674	± 2.5	PASS
		VN	20	2.69	0.003216	± 2.5	PASS
		VN	30	-0.63	-0.000753	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	2.41	0.002881	± 2.5	PASS
	HCH	VN	-30	3.03	0.003590	± 2.5	PASS
		VN	-20	0.37	0.000438	± 2.5	PASS
		VN	-10	-1.26	-0.001493	± 2.5	PASS
		VN	0	2.7	0.003199	± 2.5	PASS
		VN	10	4.99	0.005912	± 2.5	PASS
		VN	20	-1.89	-0.002239	± 2.5	PASS
		VN	30	2.39	0.002832	± 2.5	PASS
		VN	40	2.63	0.003116	± 2.5	PASS
		VN	50	3.27	0.003874	± 2.5	PASS
		QPSK	LCH	VN	-30	0.61	0.000729
VN	-20			-0.72	-0.000861	± 2.5	PASS
VN	-10			2.95	0.003527	± 2.5	PASS
VN	0			-1.11	-0.001327	± 2.5	PASS
VN	10			0.57	0.000681	± 2.5	PASS
VN	20			3.03	0.003622	± 2.5	PASS
VN	30			4.71	0.005631	± 2.5	PASS
VN	40			3.21	0.003837	± 2.5	PASS
VN	50			0.27	0.000323	± 2.5	PASS
MCH	VN		-30	1.96	0.002322	± 2.5	PASS
	VN		-20	1.34	0.001588	± 2.5	PASS
	VN		-10	3.71	0.004396	± 2.5	PASS
	VN		0	-0.42	-0.000498	± 2.5	PASS
	VN		10	-0.5	-0.000592	± 2.5	PASS
	VN		20	2.4	0.002844	± 2.5	PASS
	VN		30	-0.56	-0.000664	± 2.5	PASS
	VN		40	4.91	0.005818	± 2.5	PASS
	VN		50	-1.95	-0.002310	± 2.5	PASS
HCH	VN		-30	0.07	0.000083	± 2.5	PASS
	VN		-20	-0.34	-0.000403	± 2.5	PASS
	VN		-10	0.41	0.000486	± 2.5	PASS
	VN		0	3.51	0.004159	± 2.5	PASS
	VN		10	-0.57	-0.000675	± 2.5	PASS
	VN		20	3.21	0.003803	± 2.5	PASS
	VN		30	1.2	0.001422	± 2.5	PASS
	VN		40	3.63	0.004301	± 2.5	PASS
	VN		50	1.17	0.001386	± 2.5	PASS