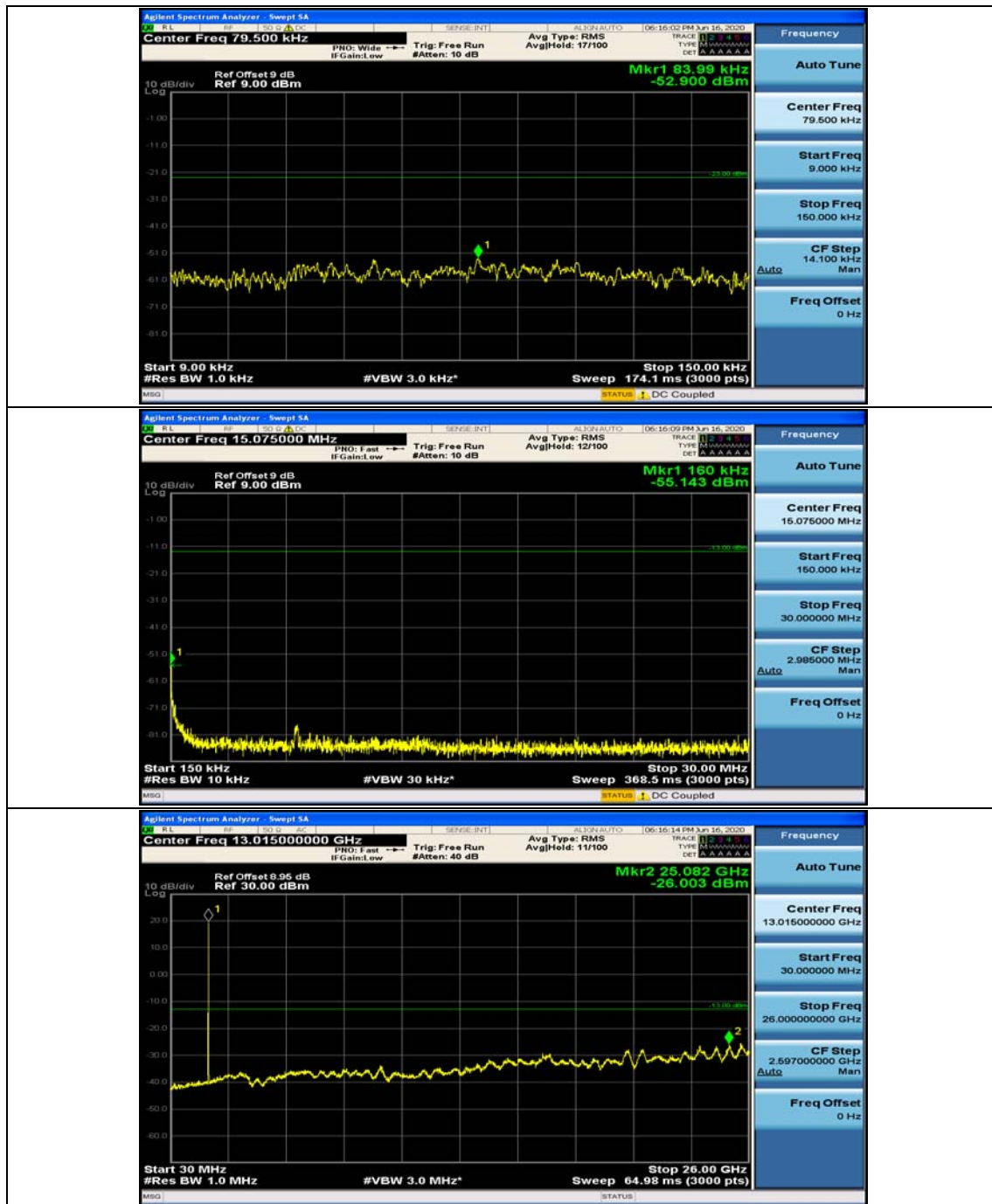
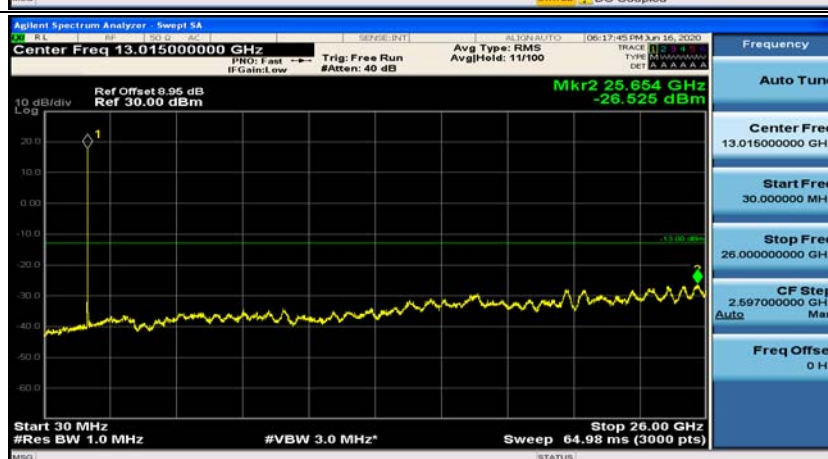
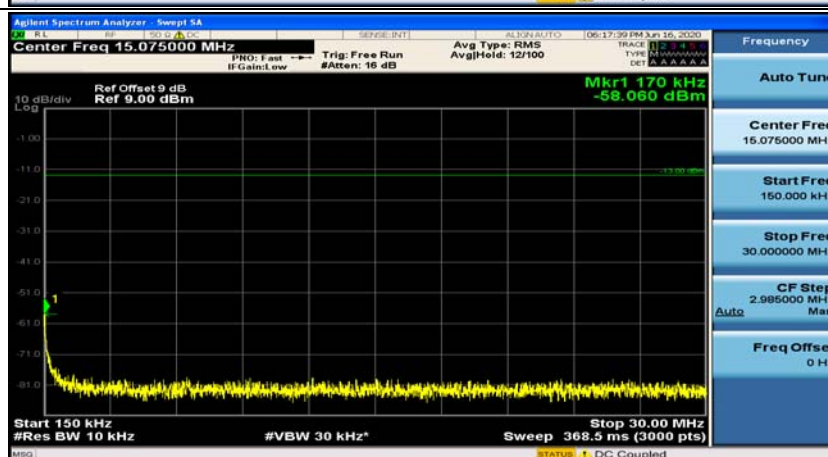
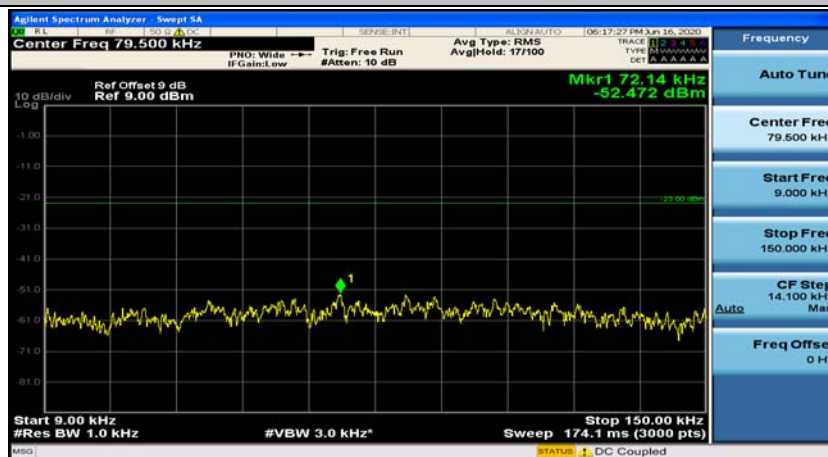
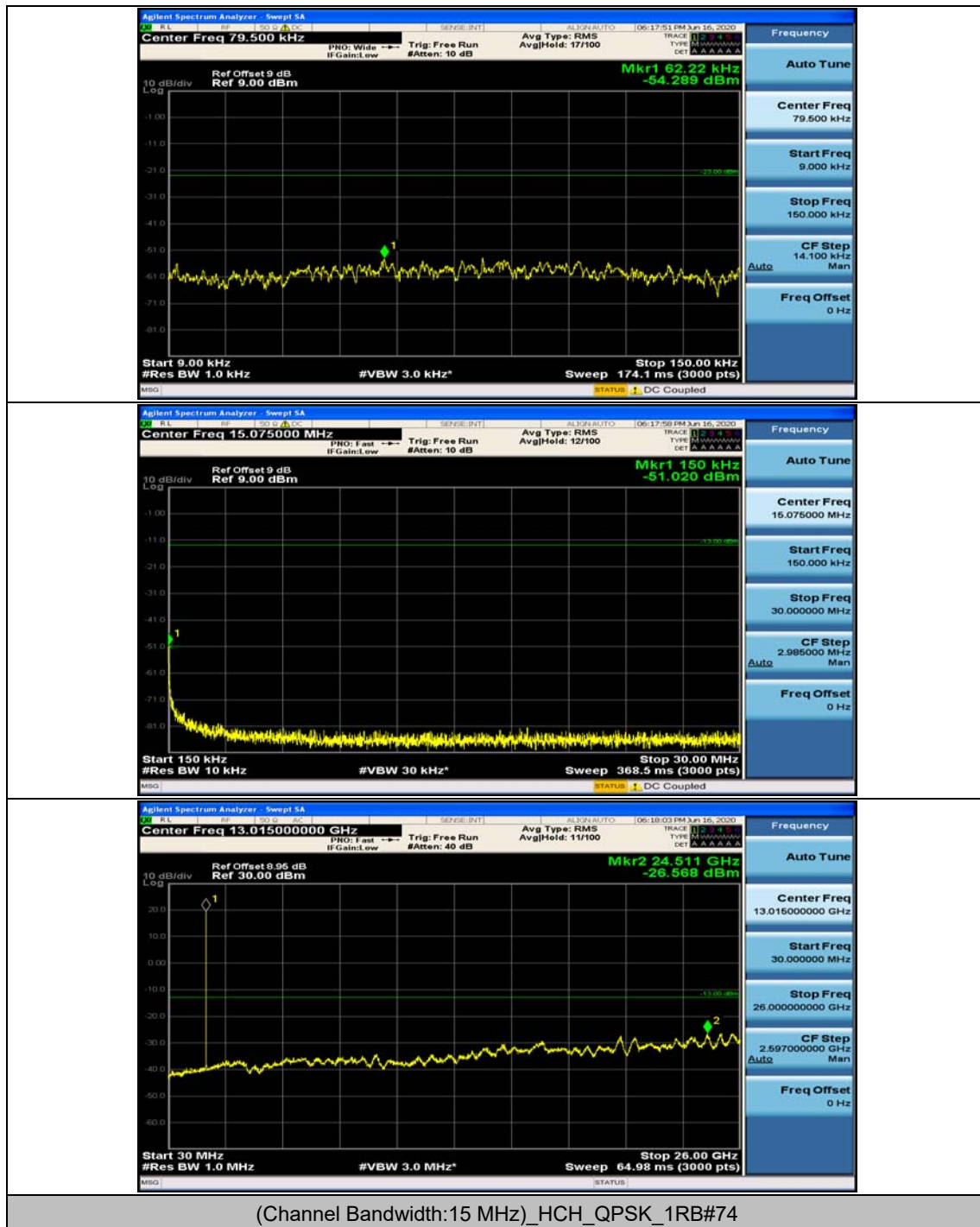


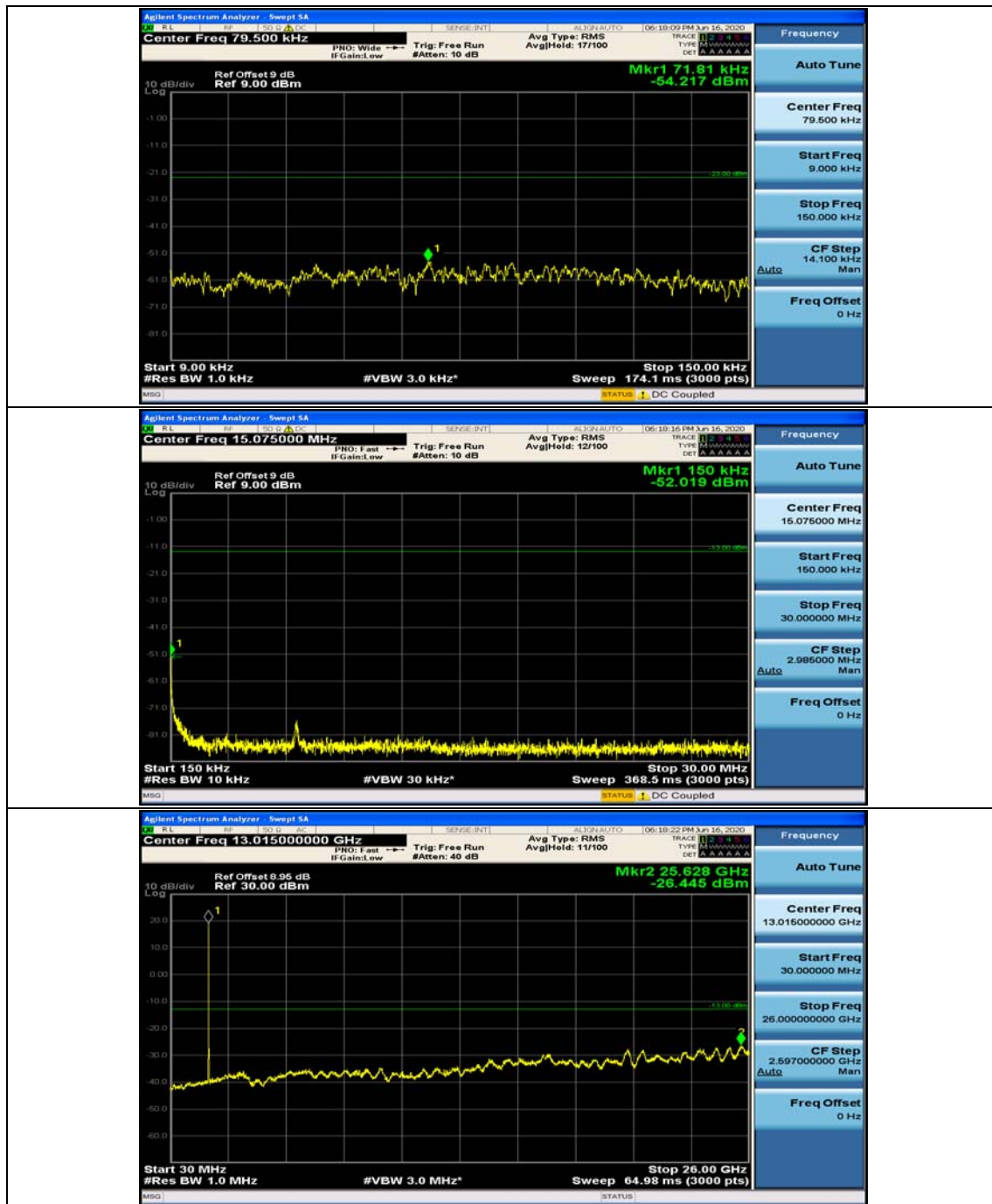


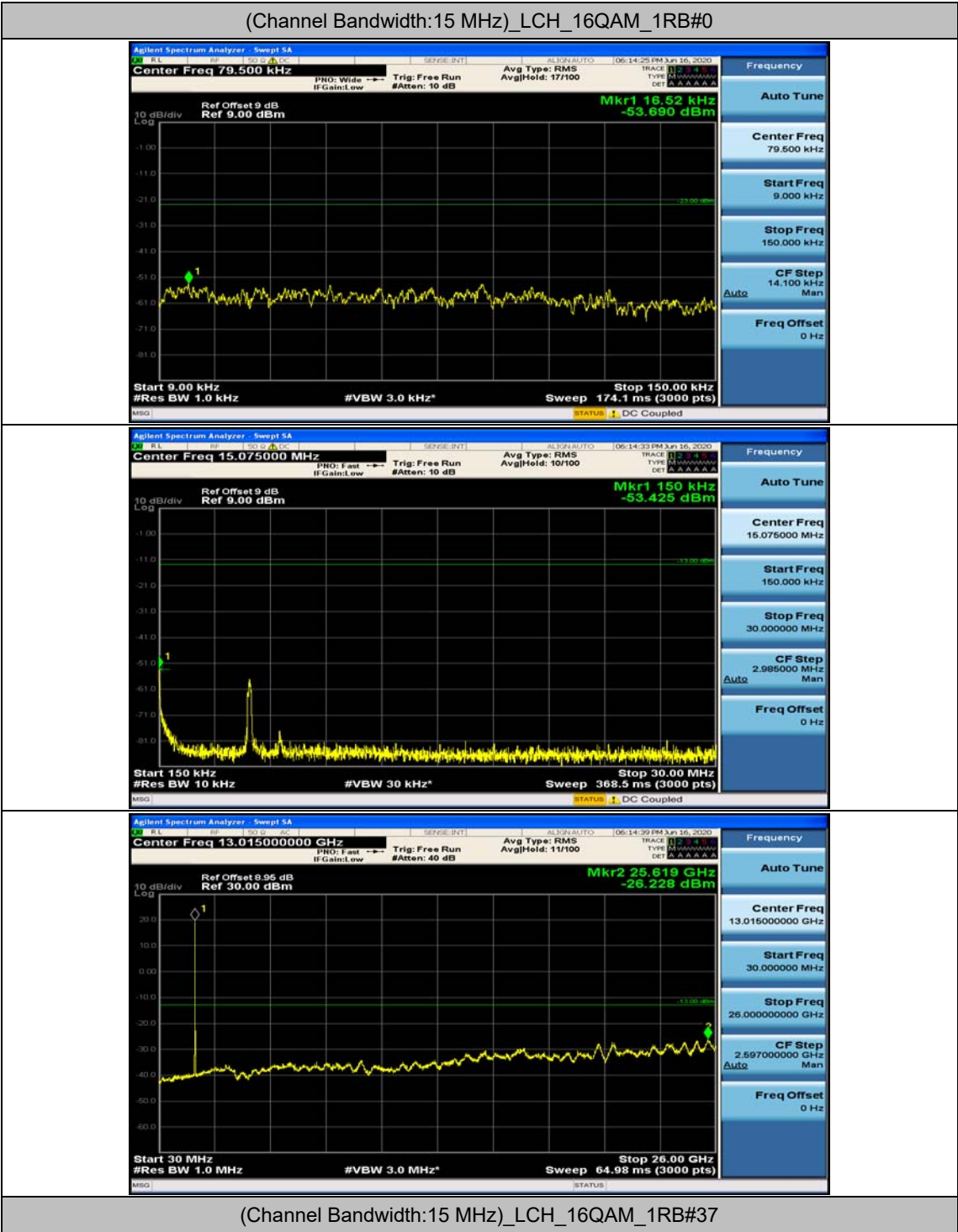
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

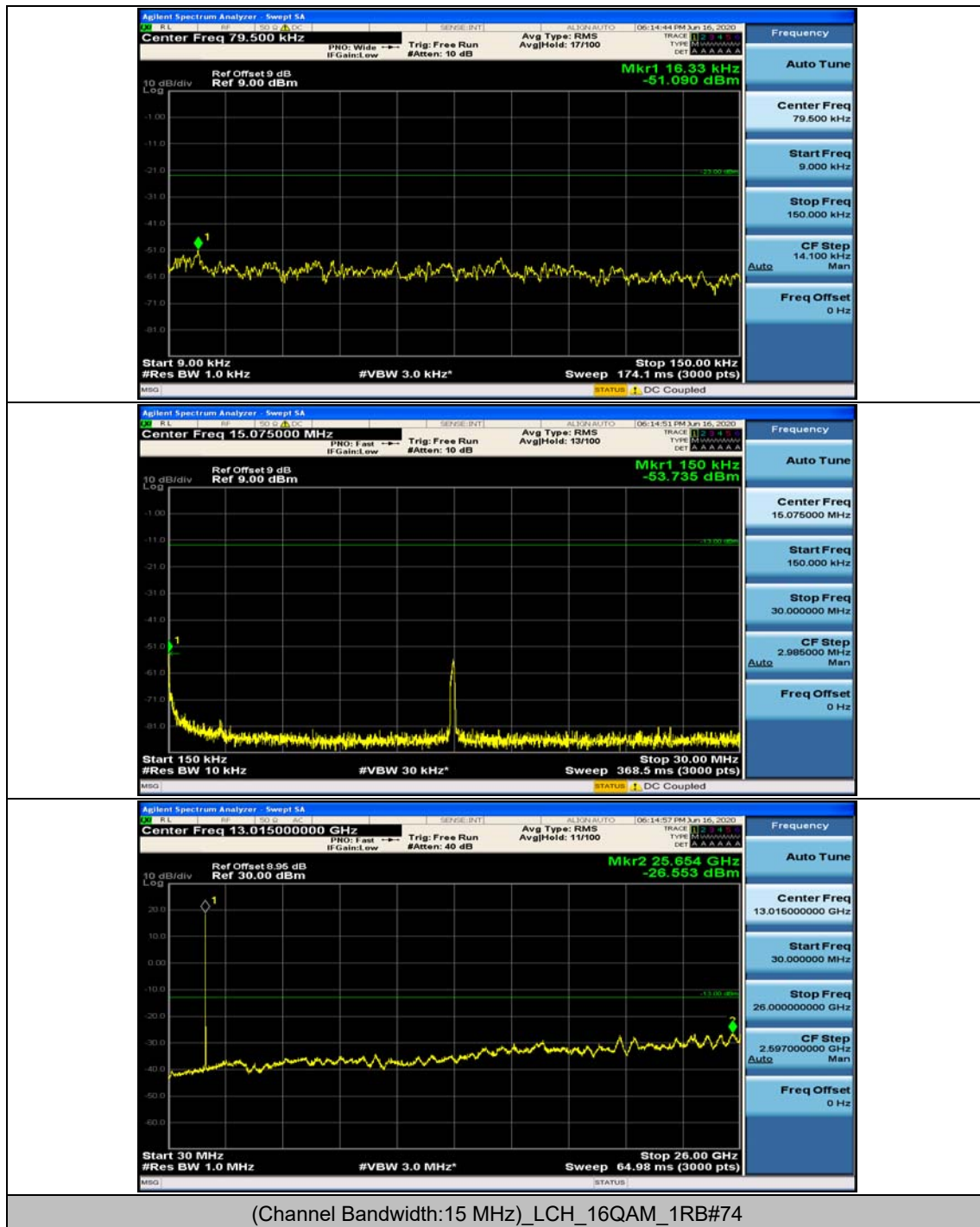


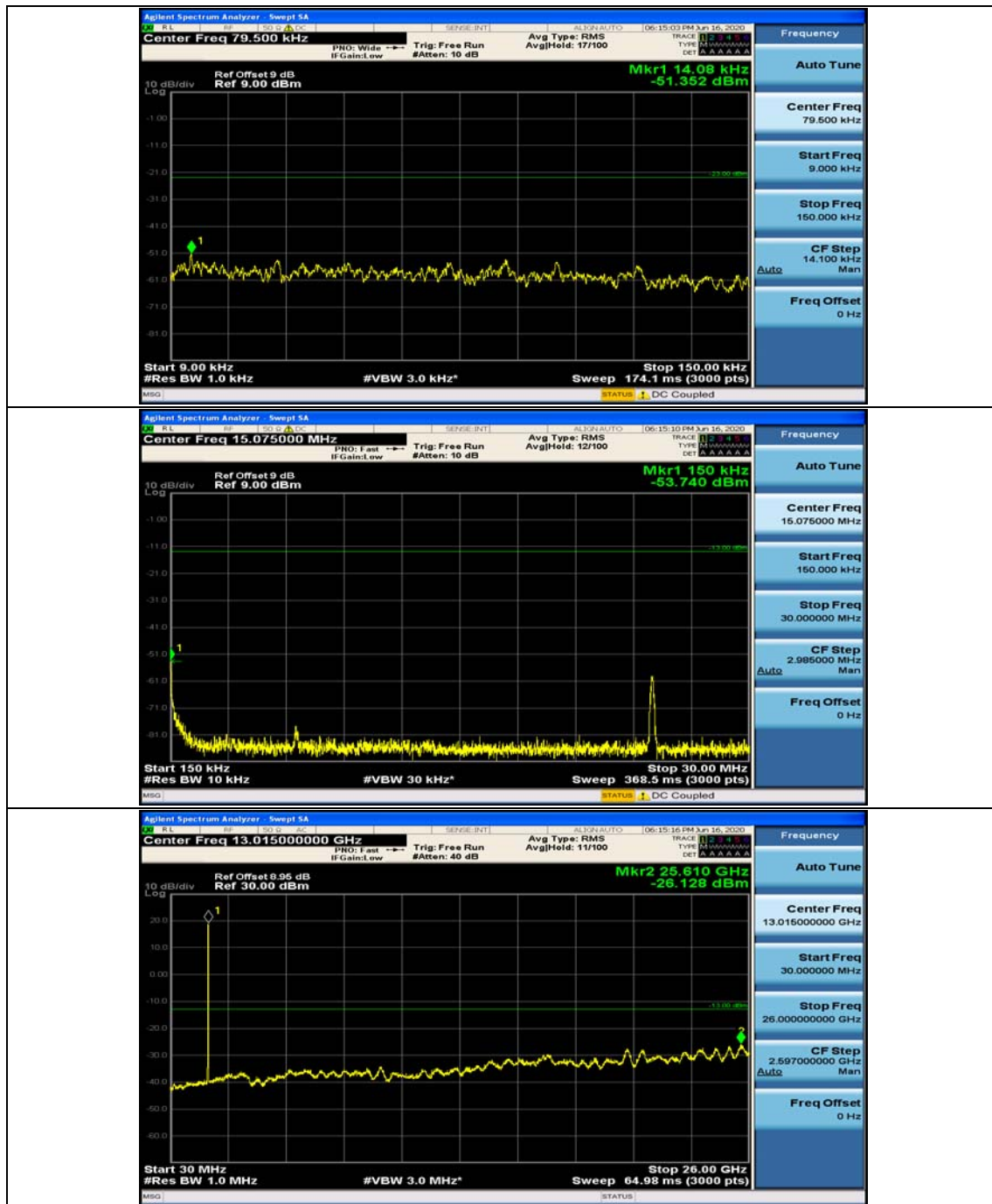
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

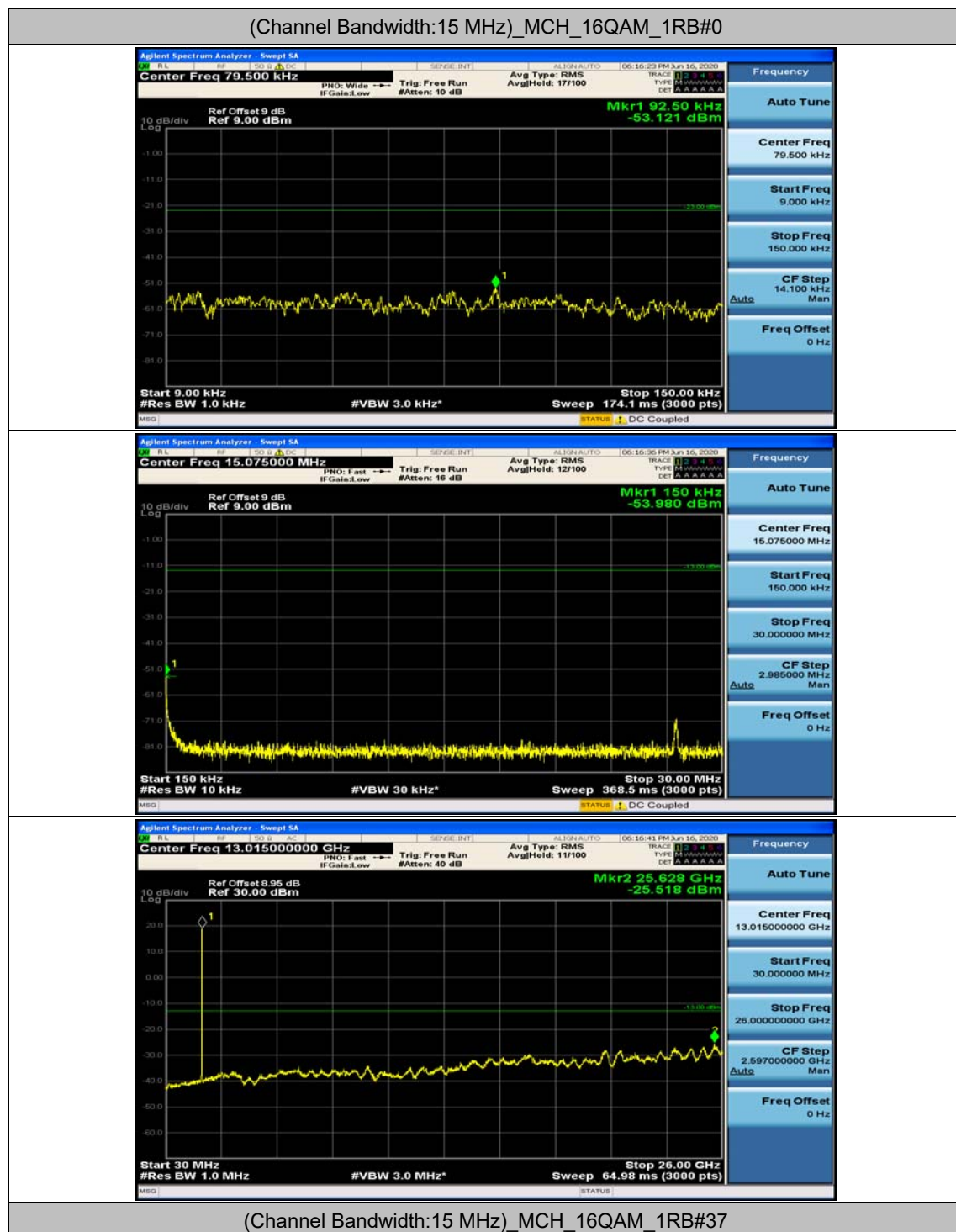


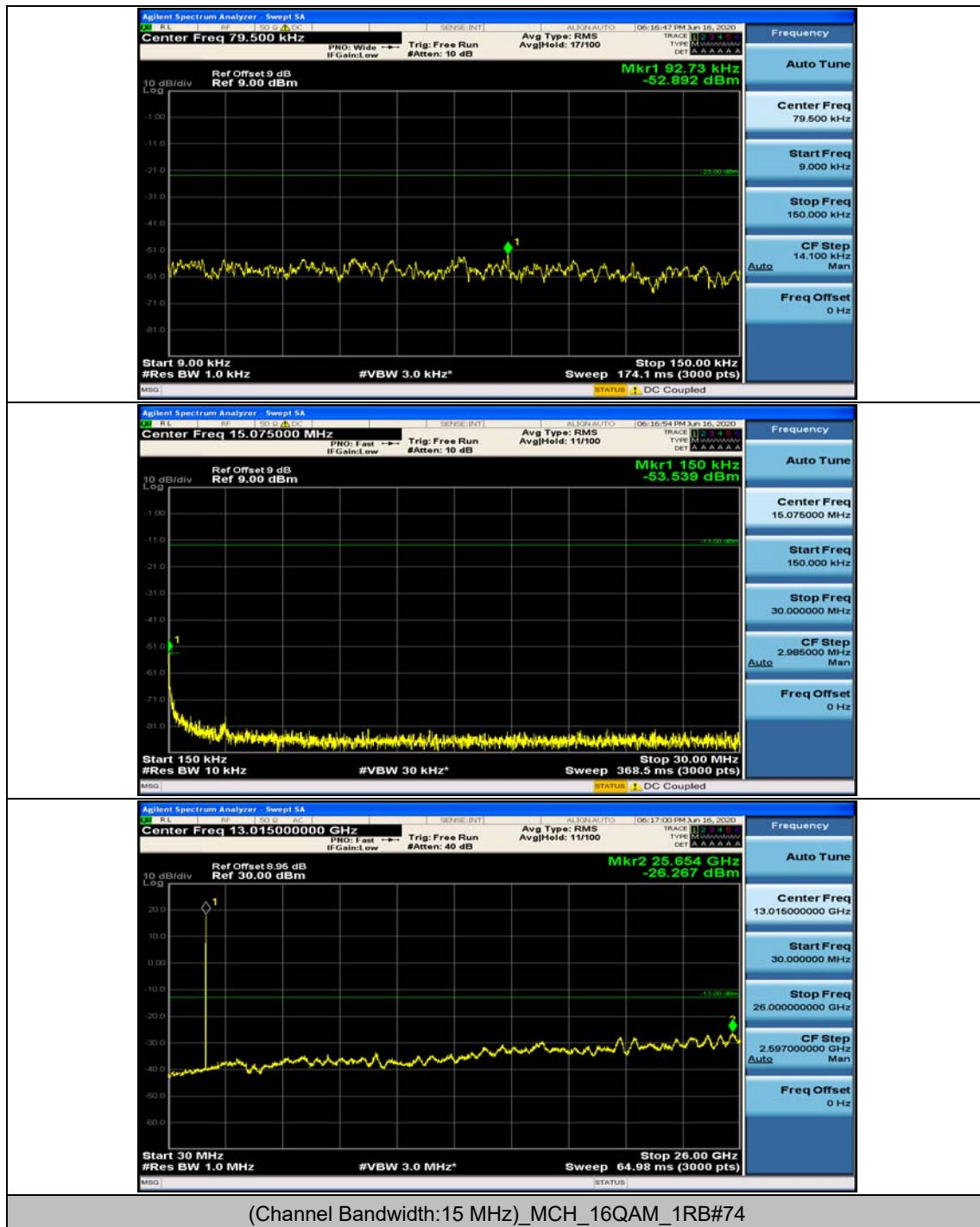


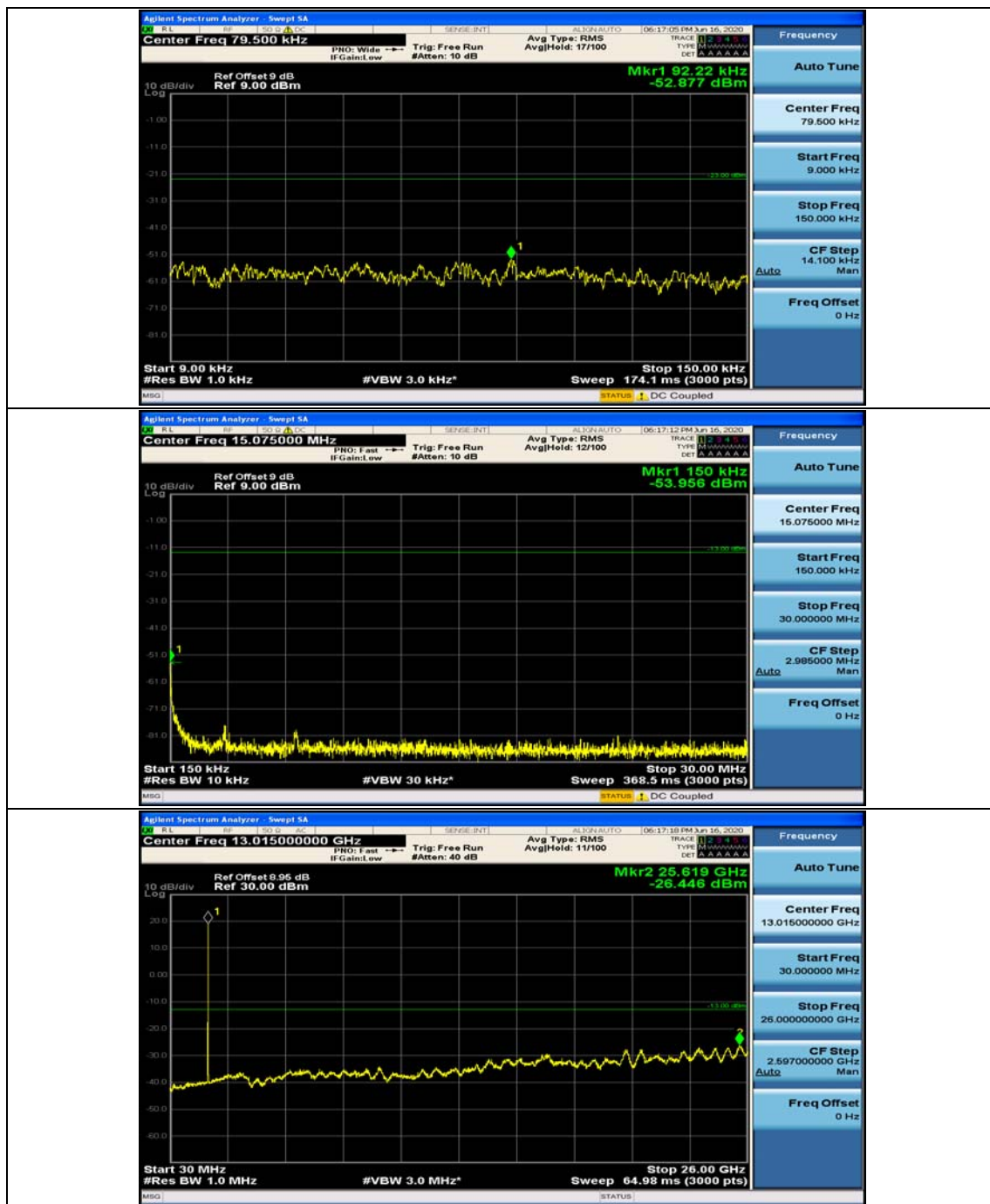




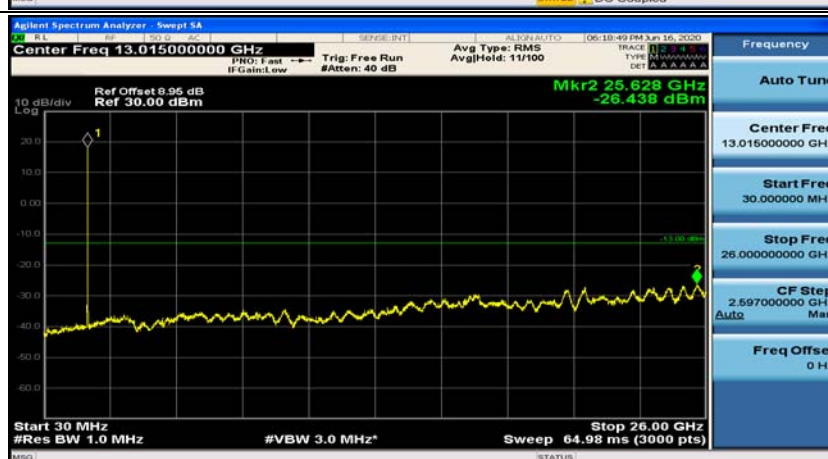
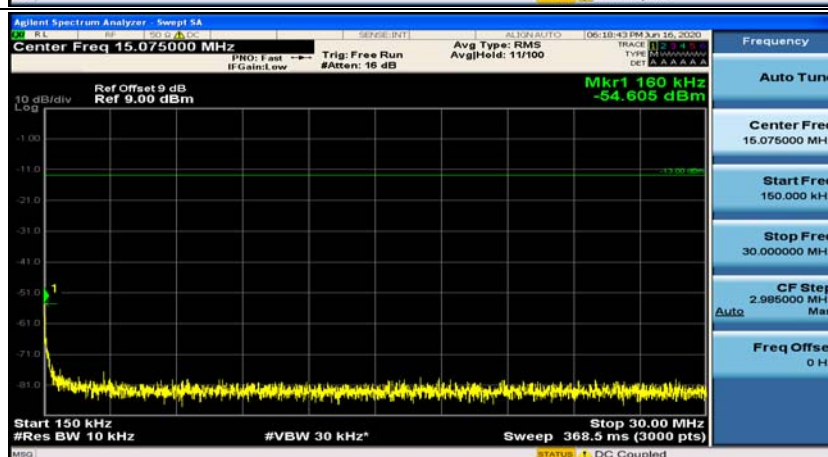
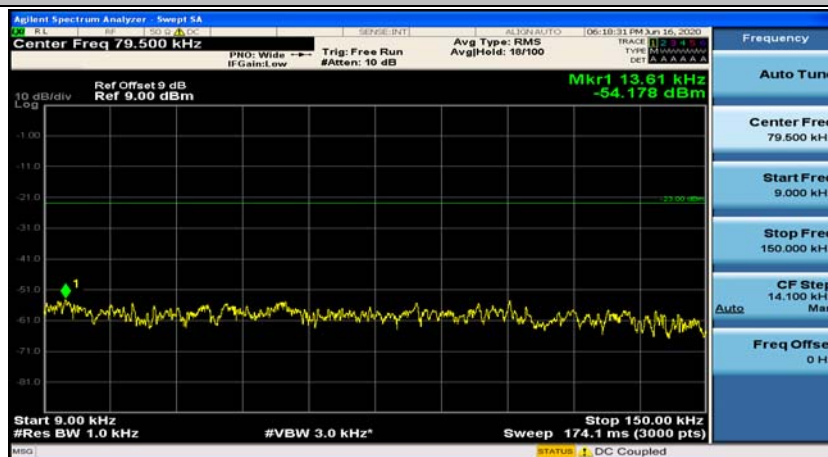




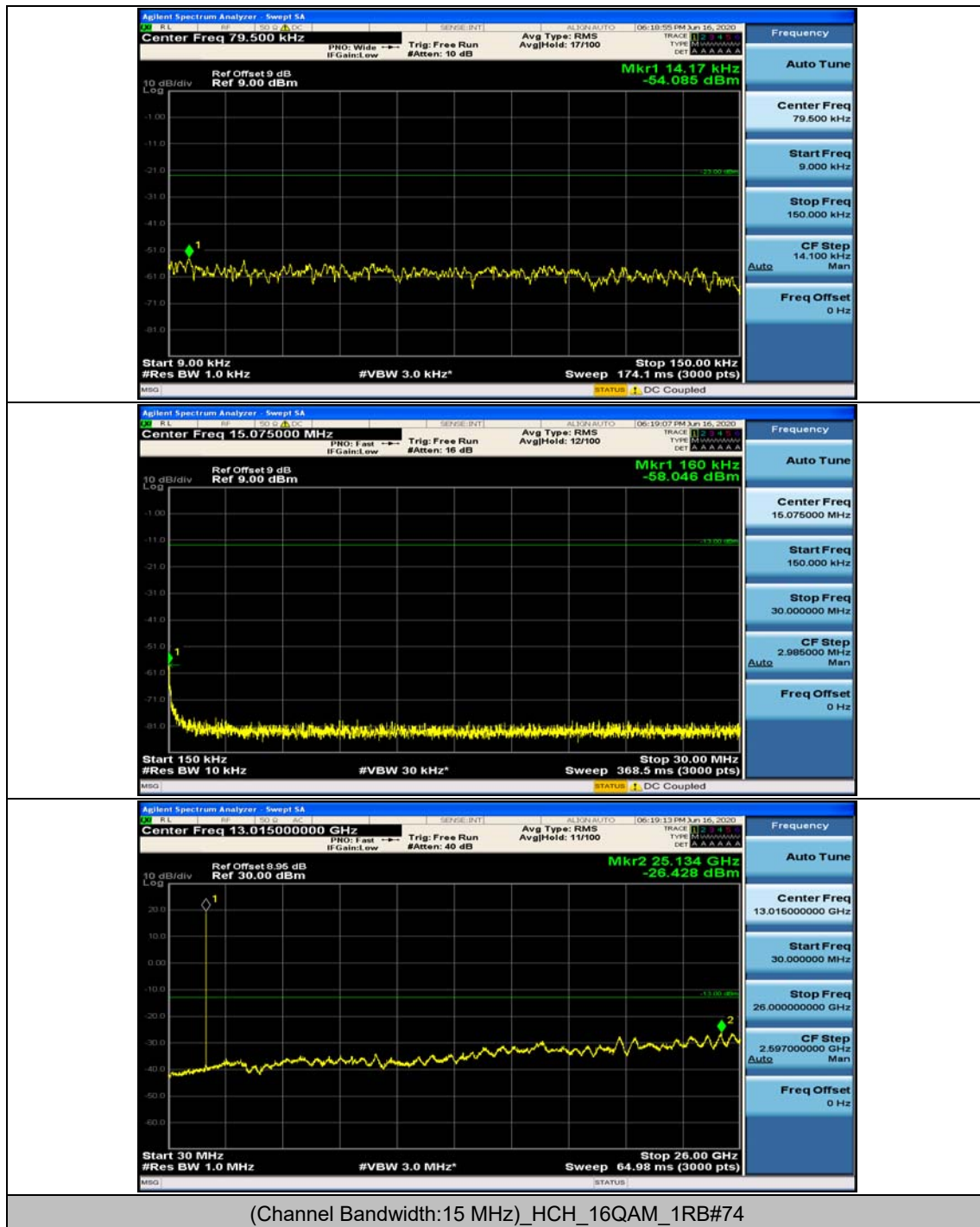


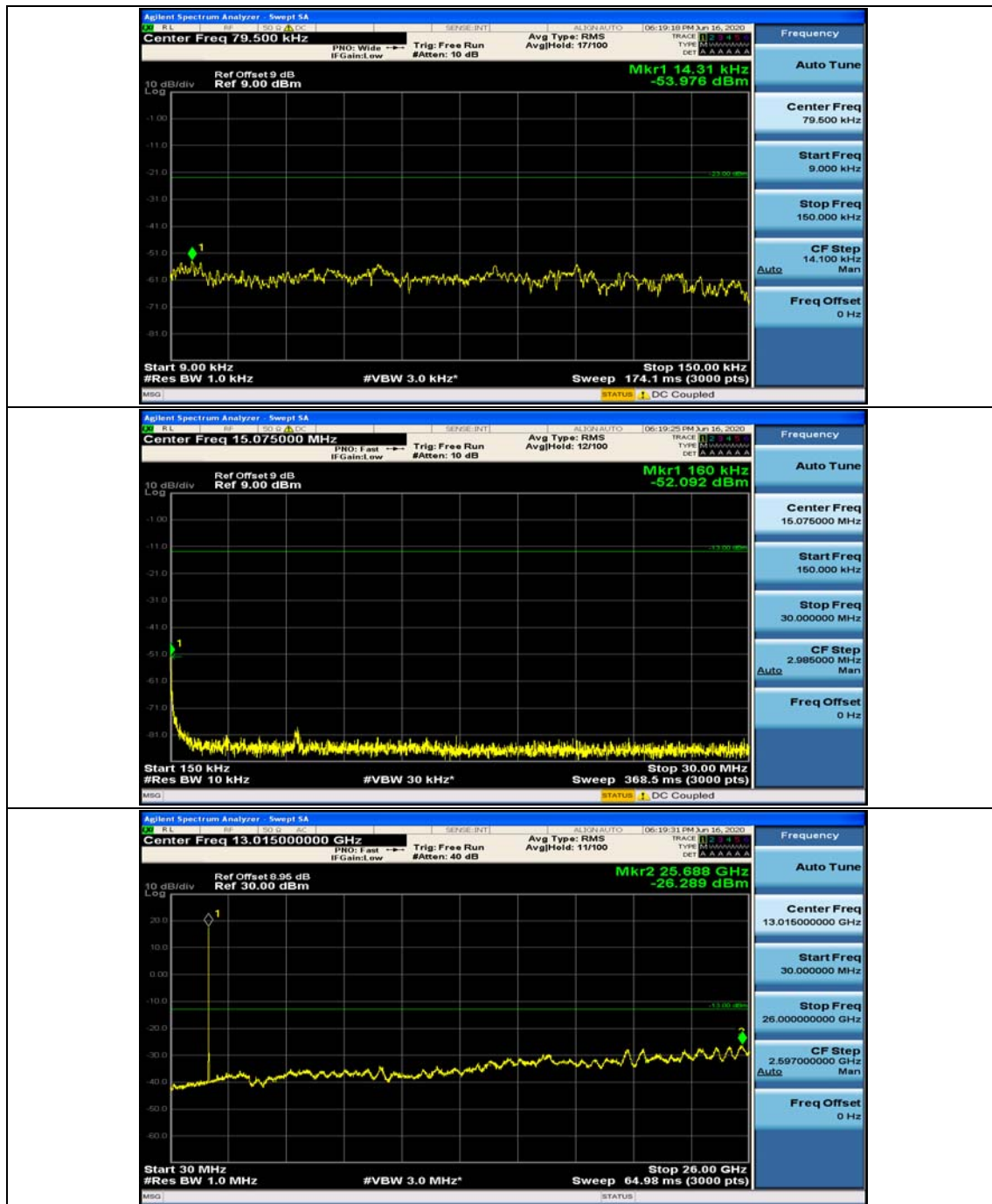


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

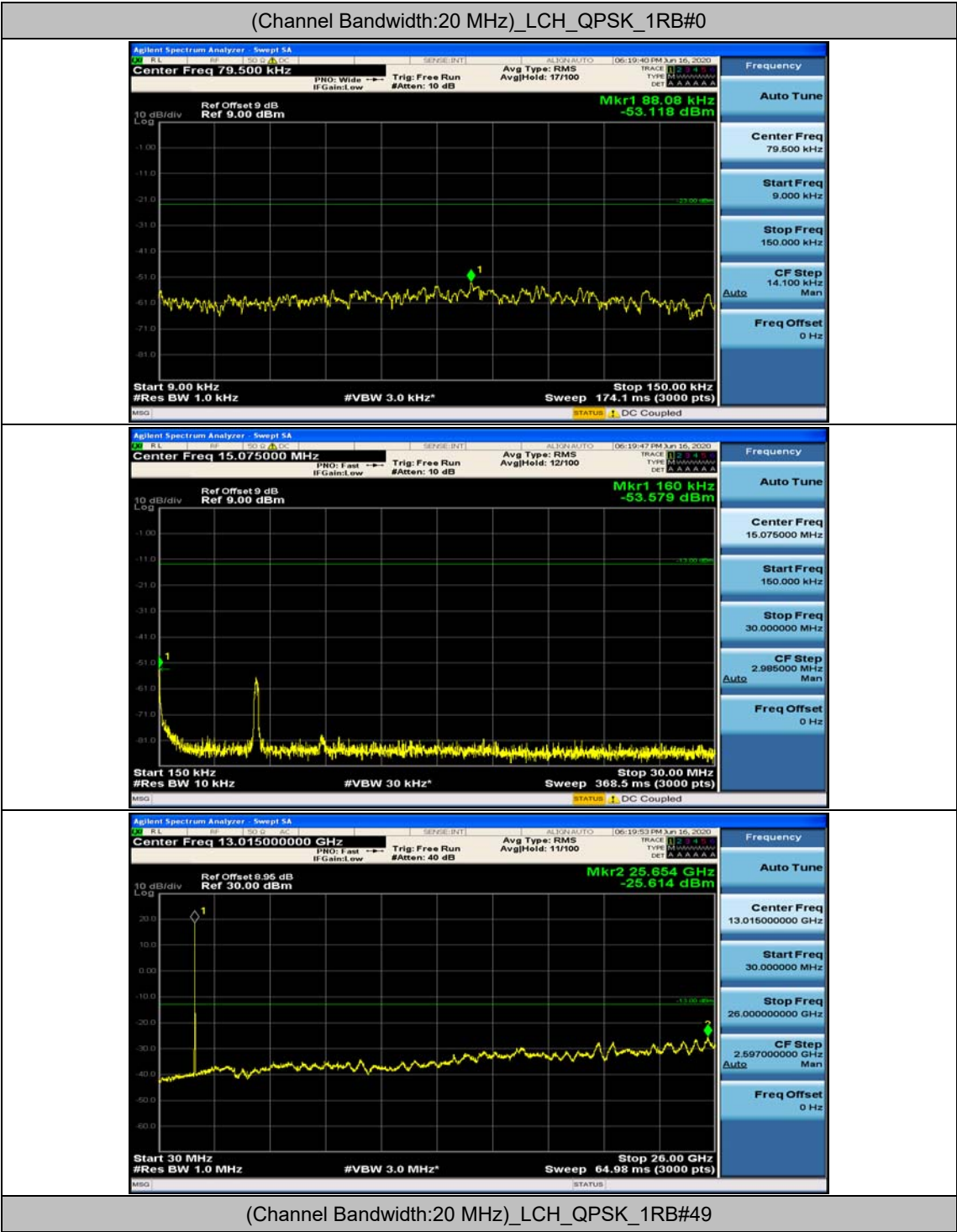


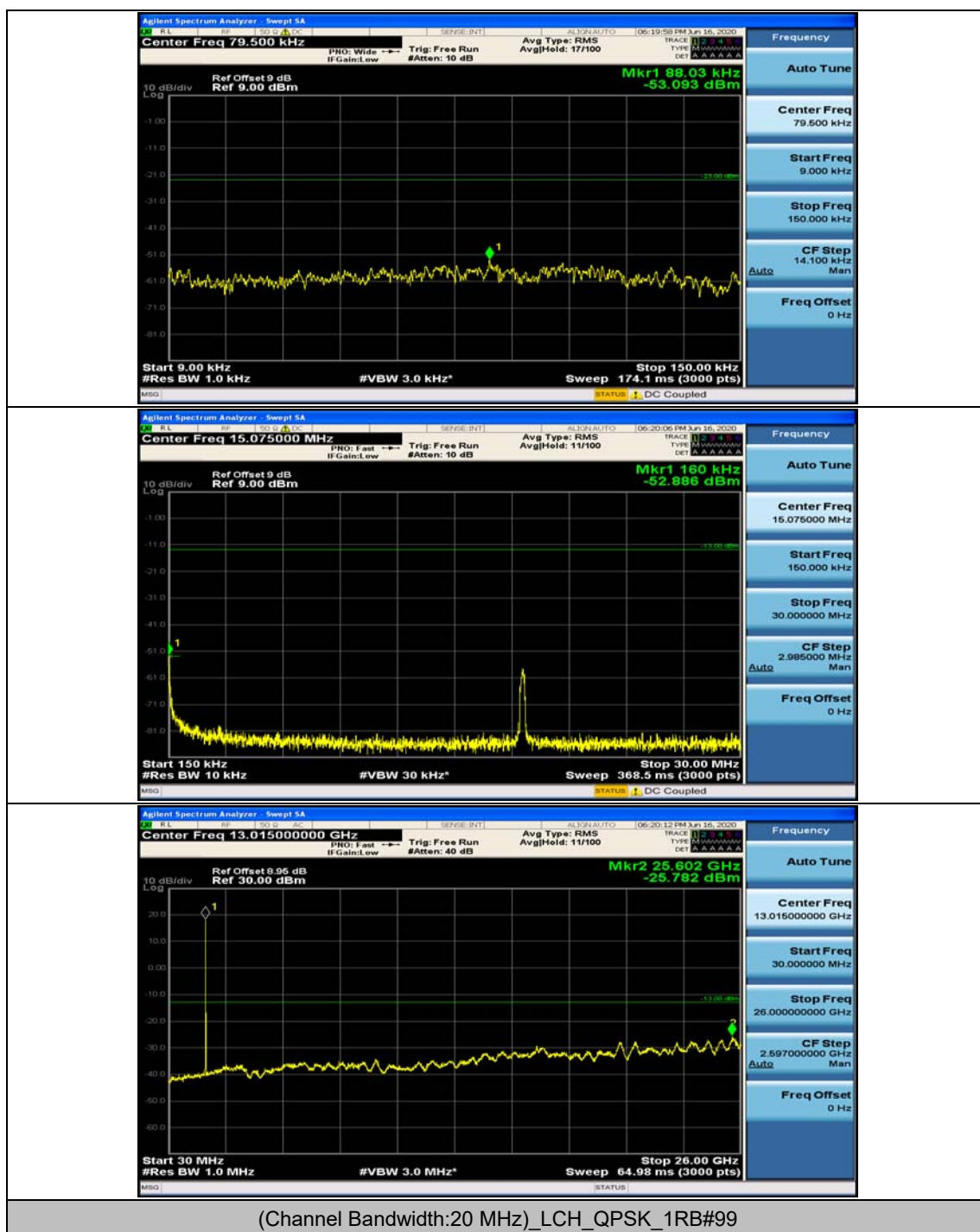
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

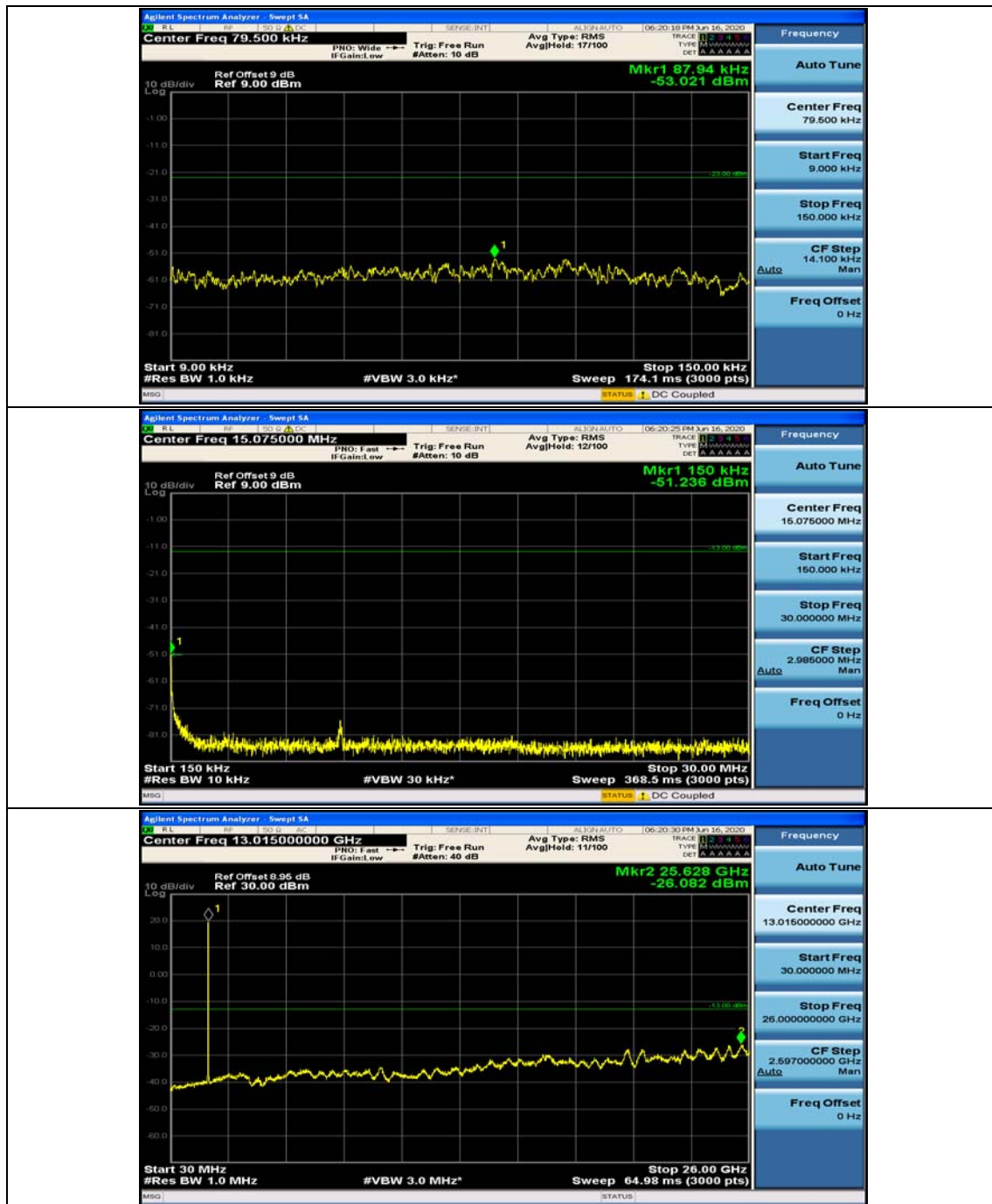


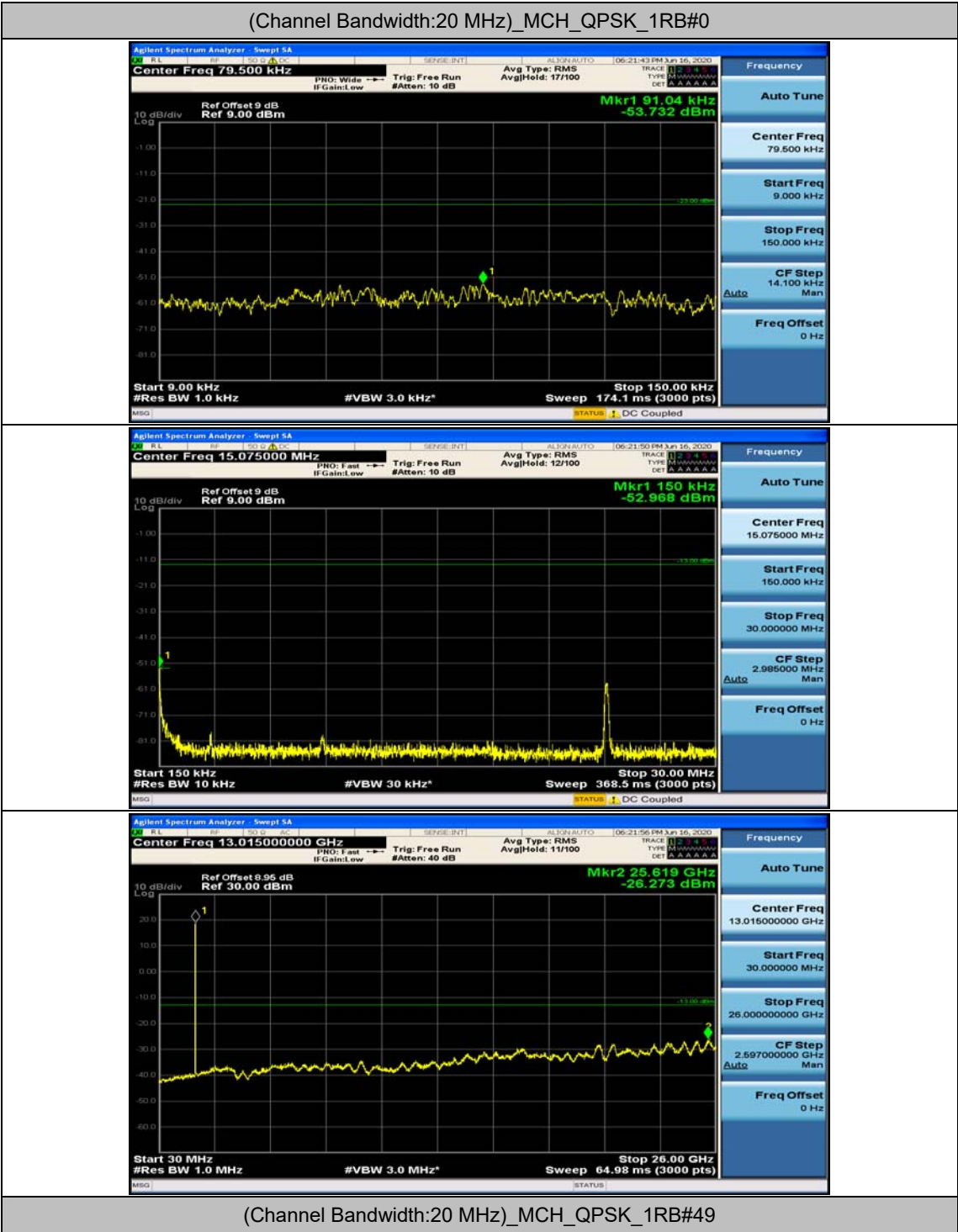


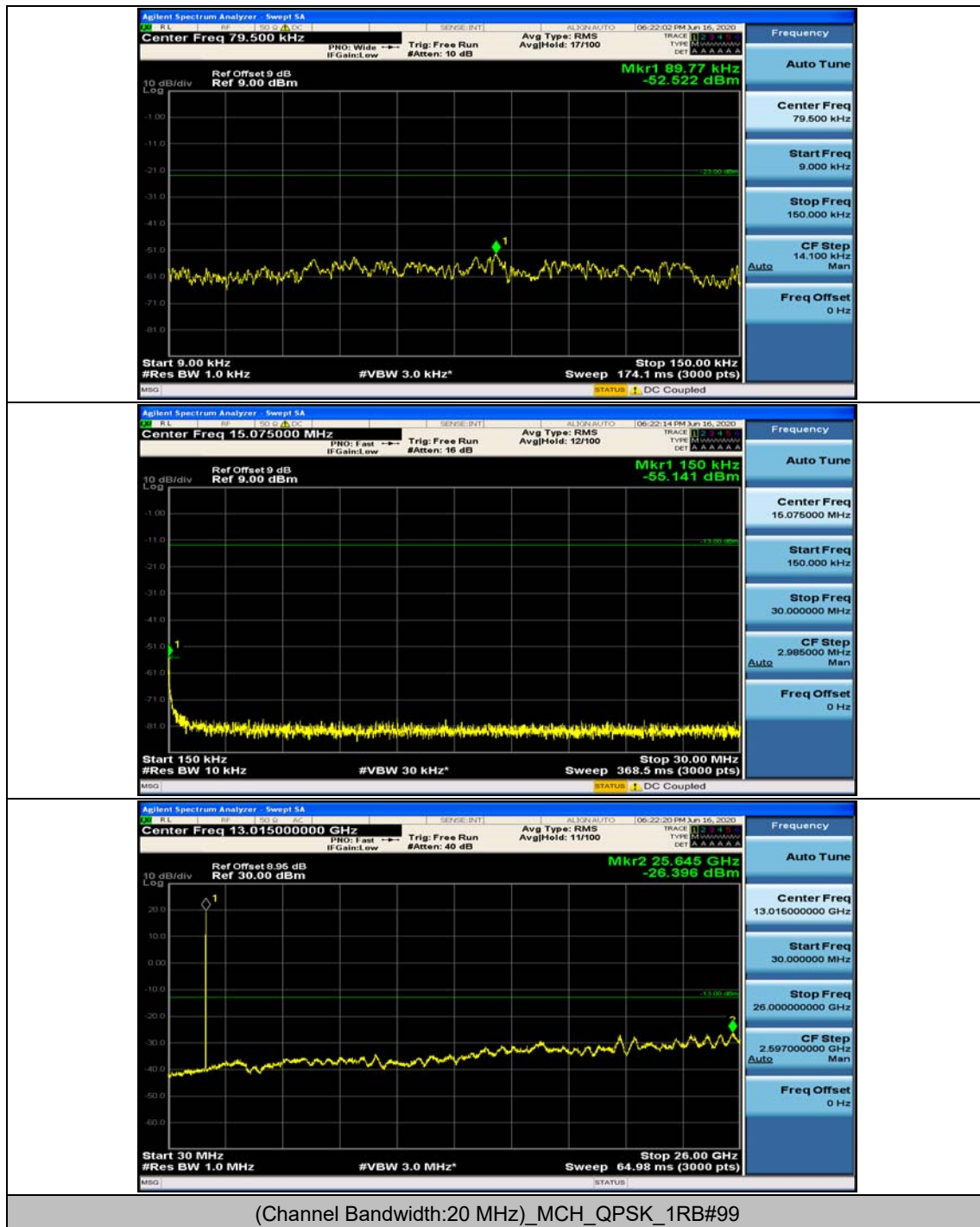
Channel Bandwidth: 20 MHz

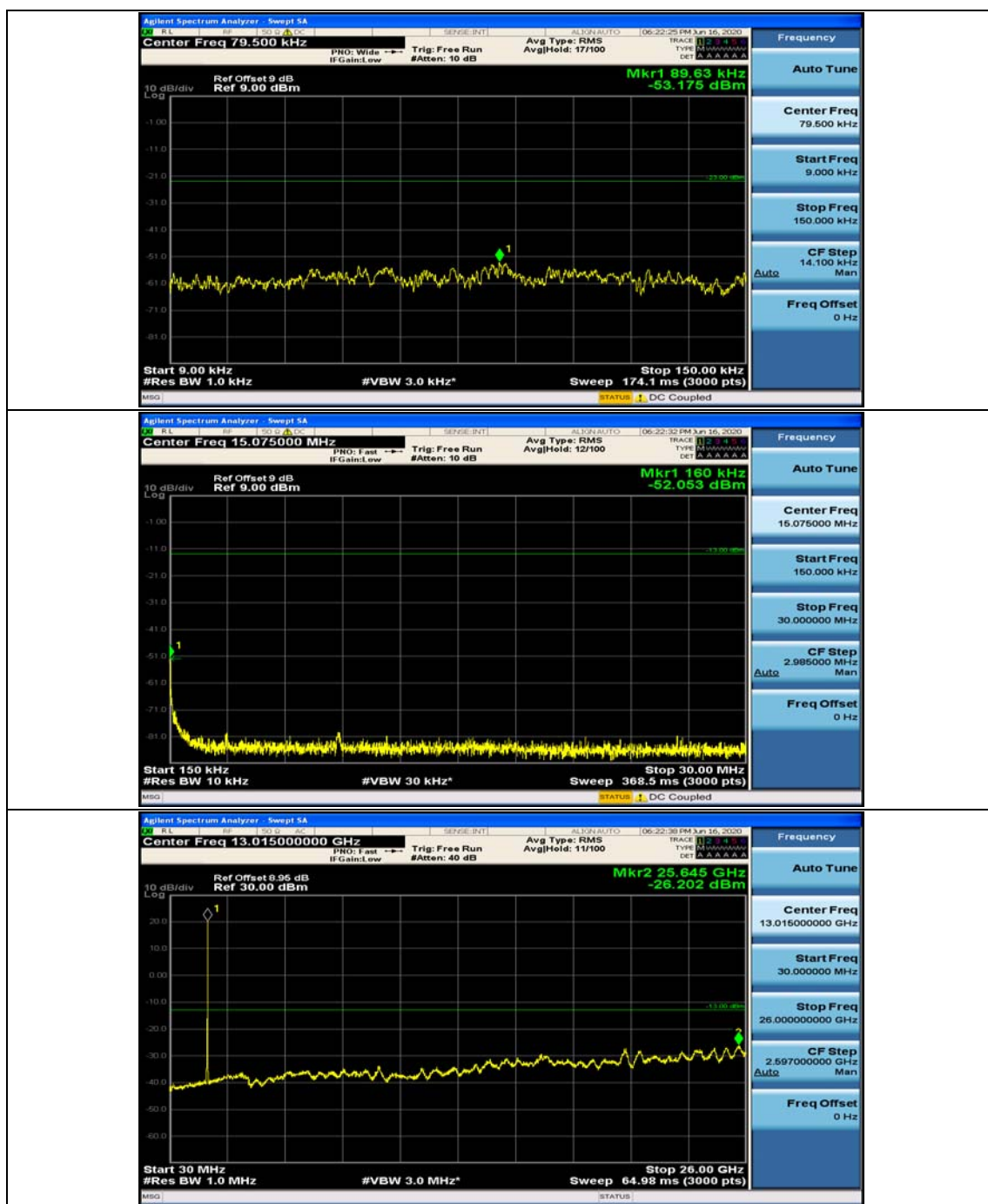


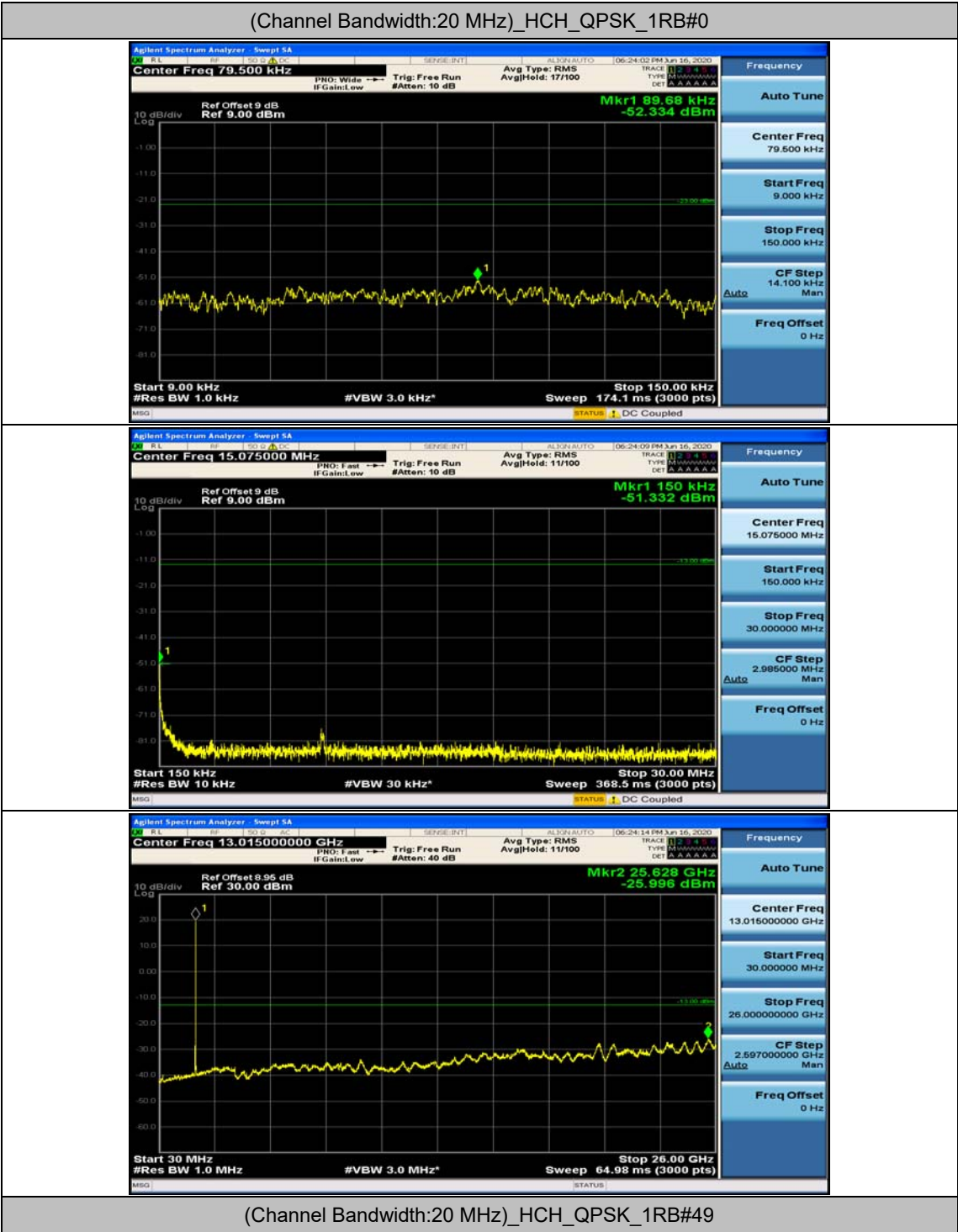


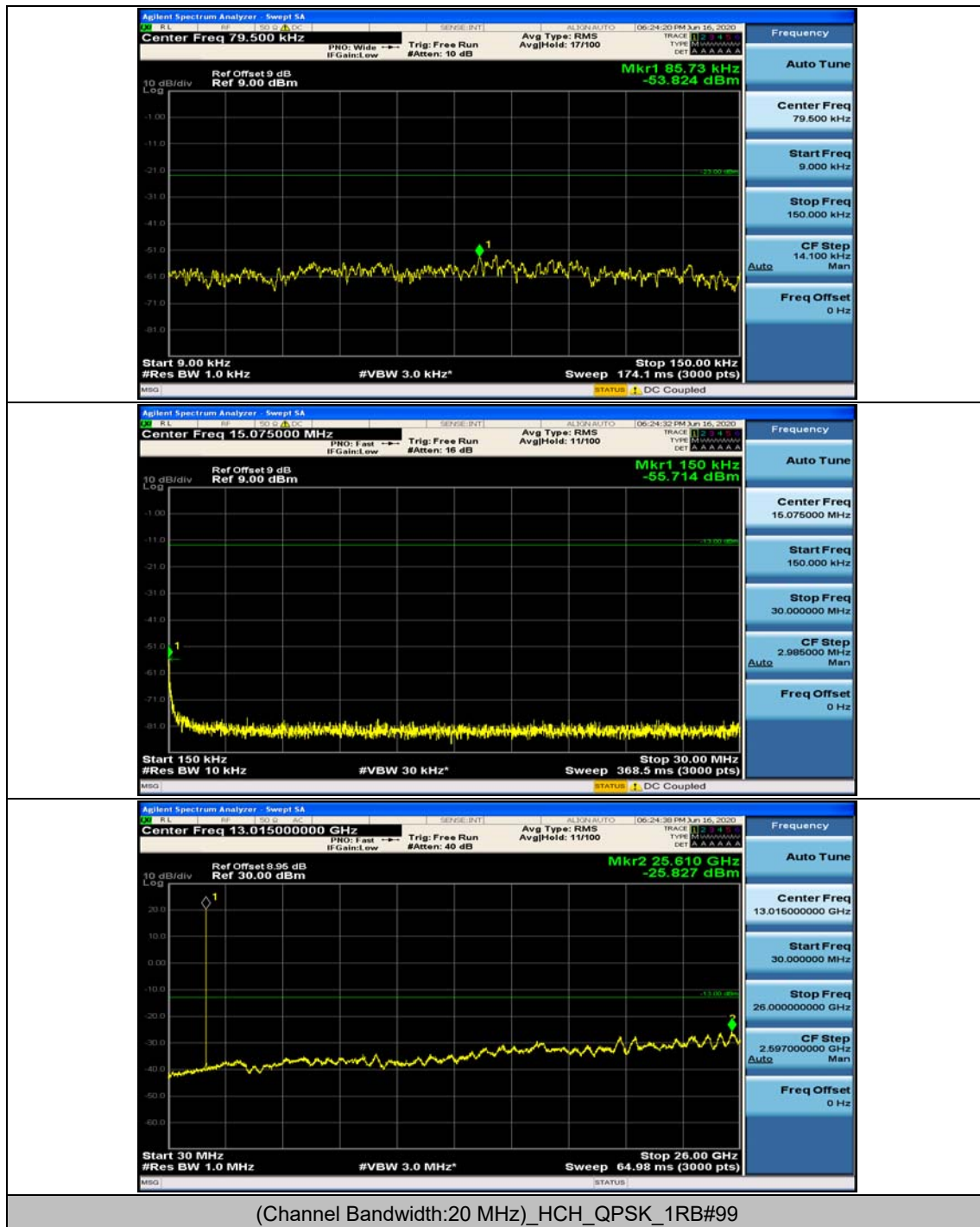


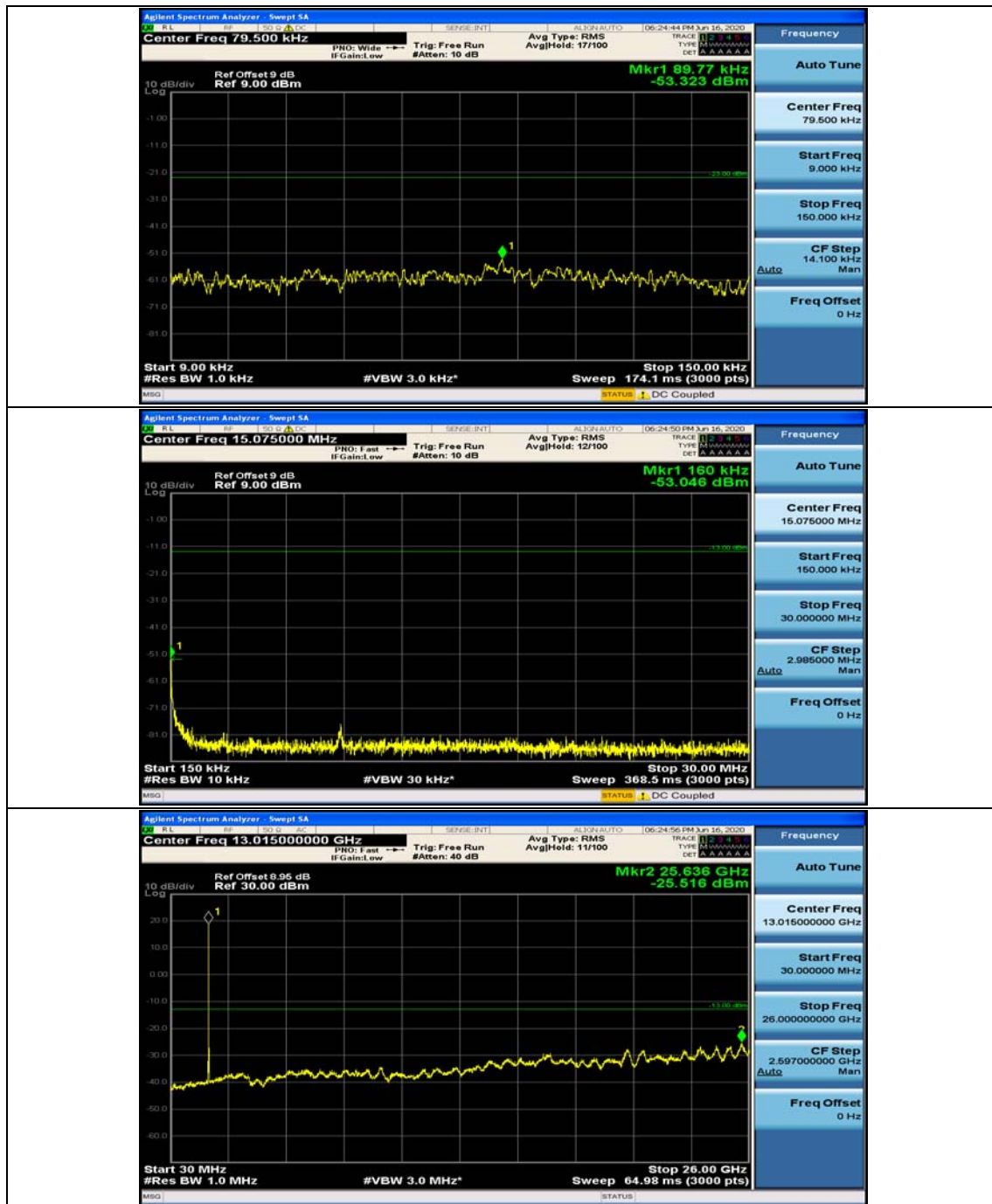


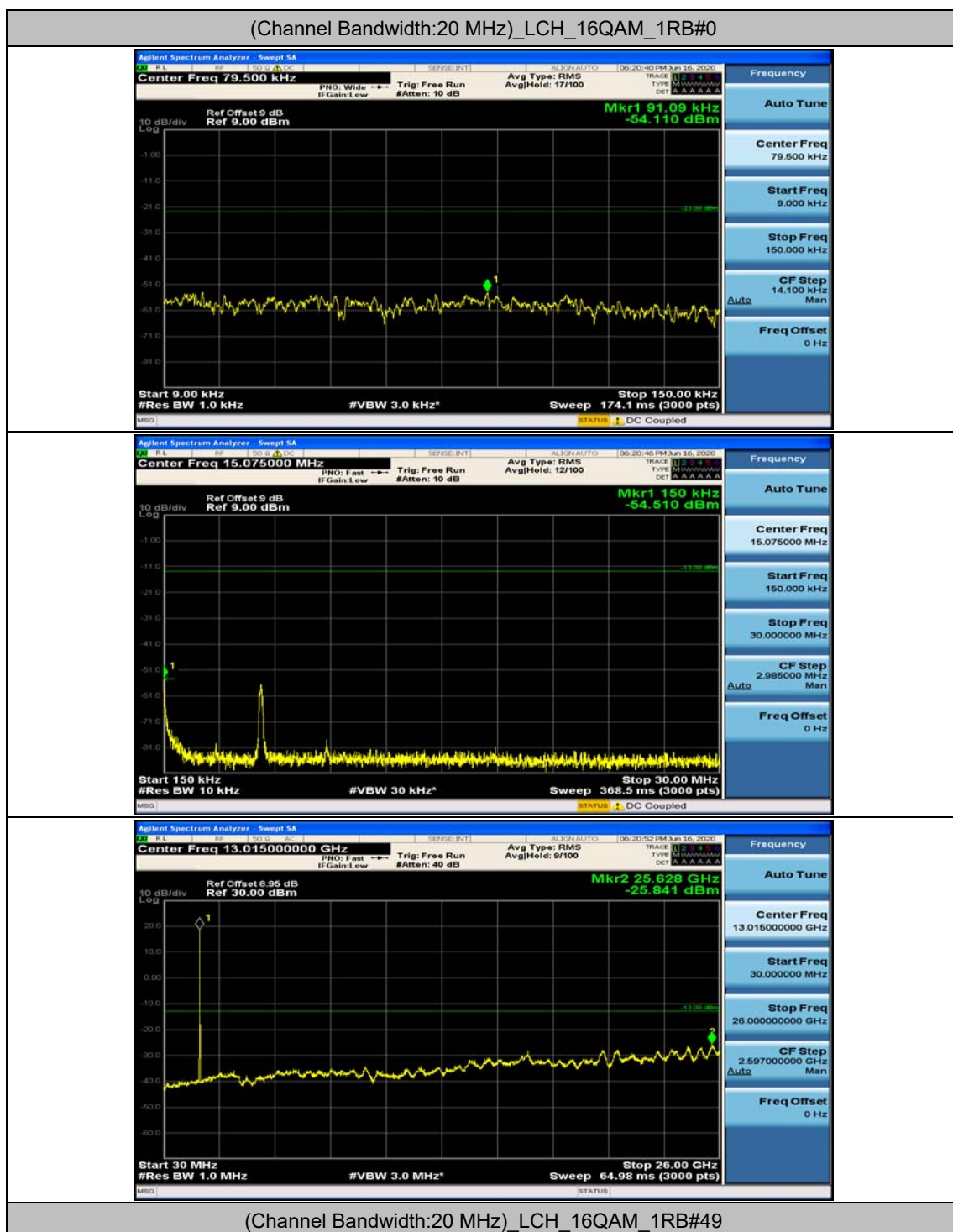


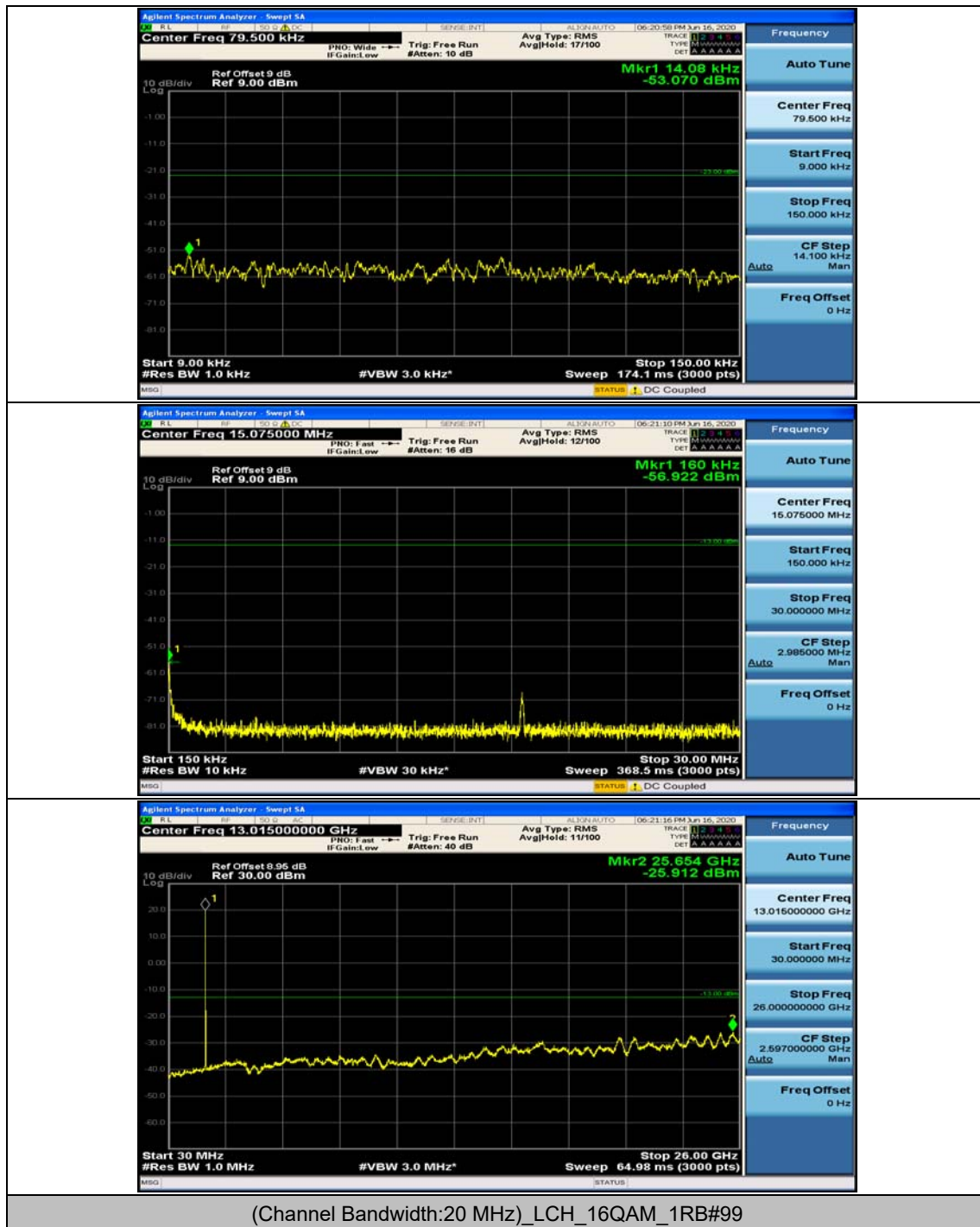


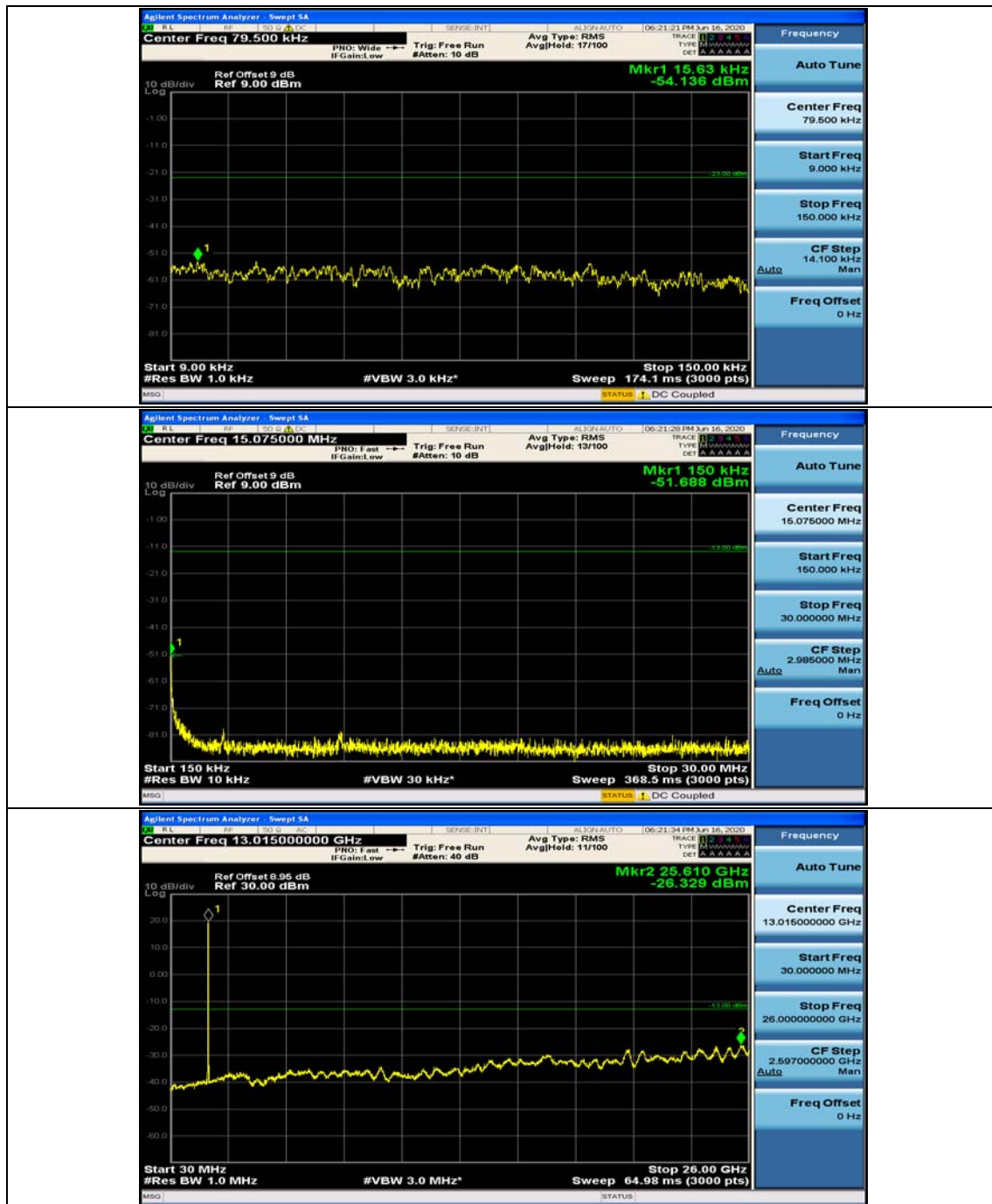


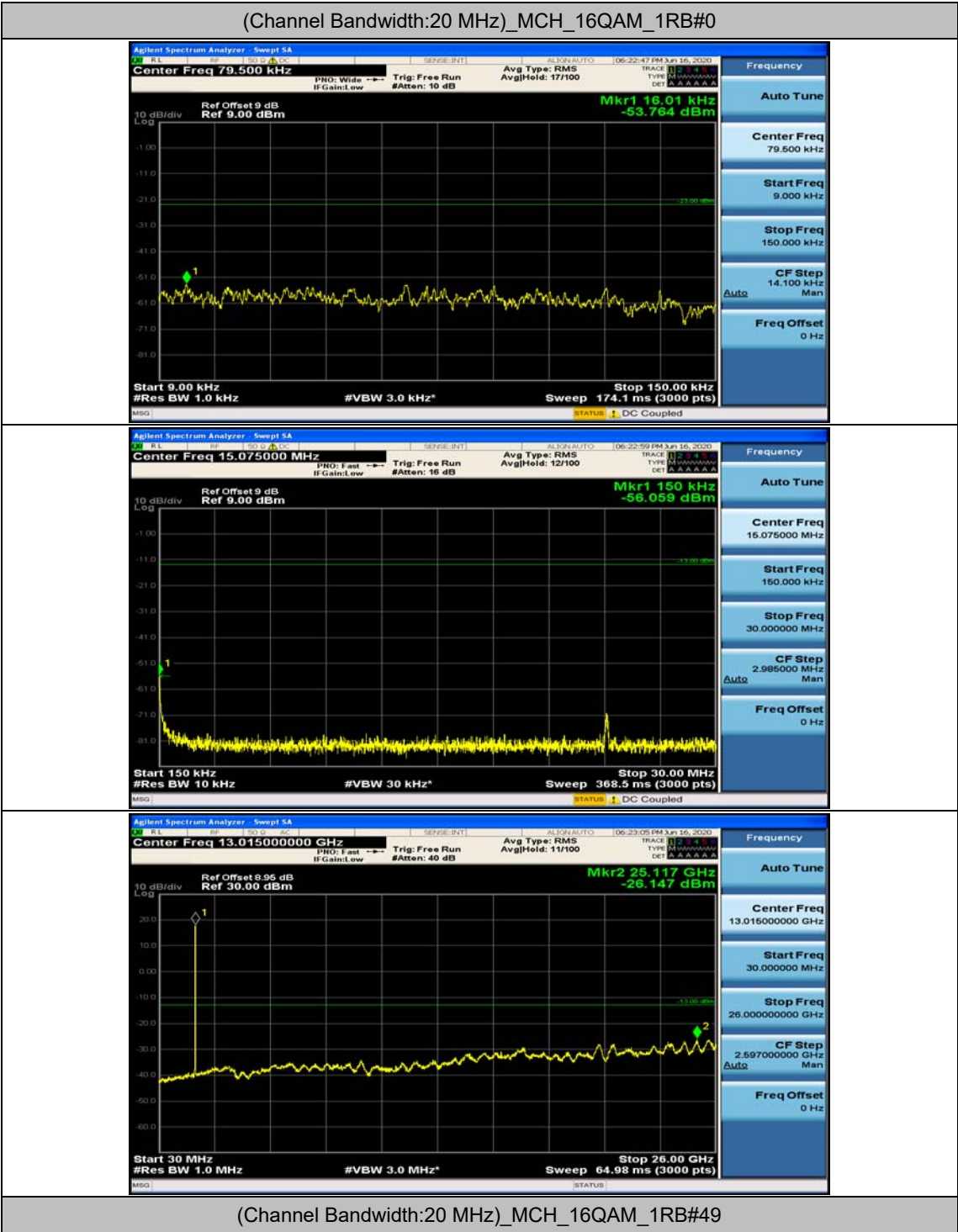


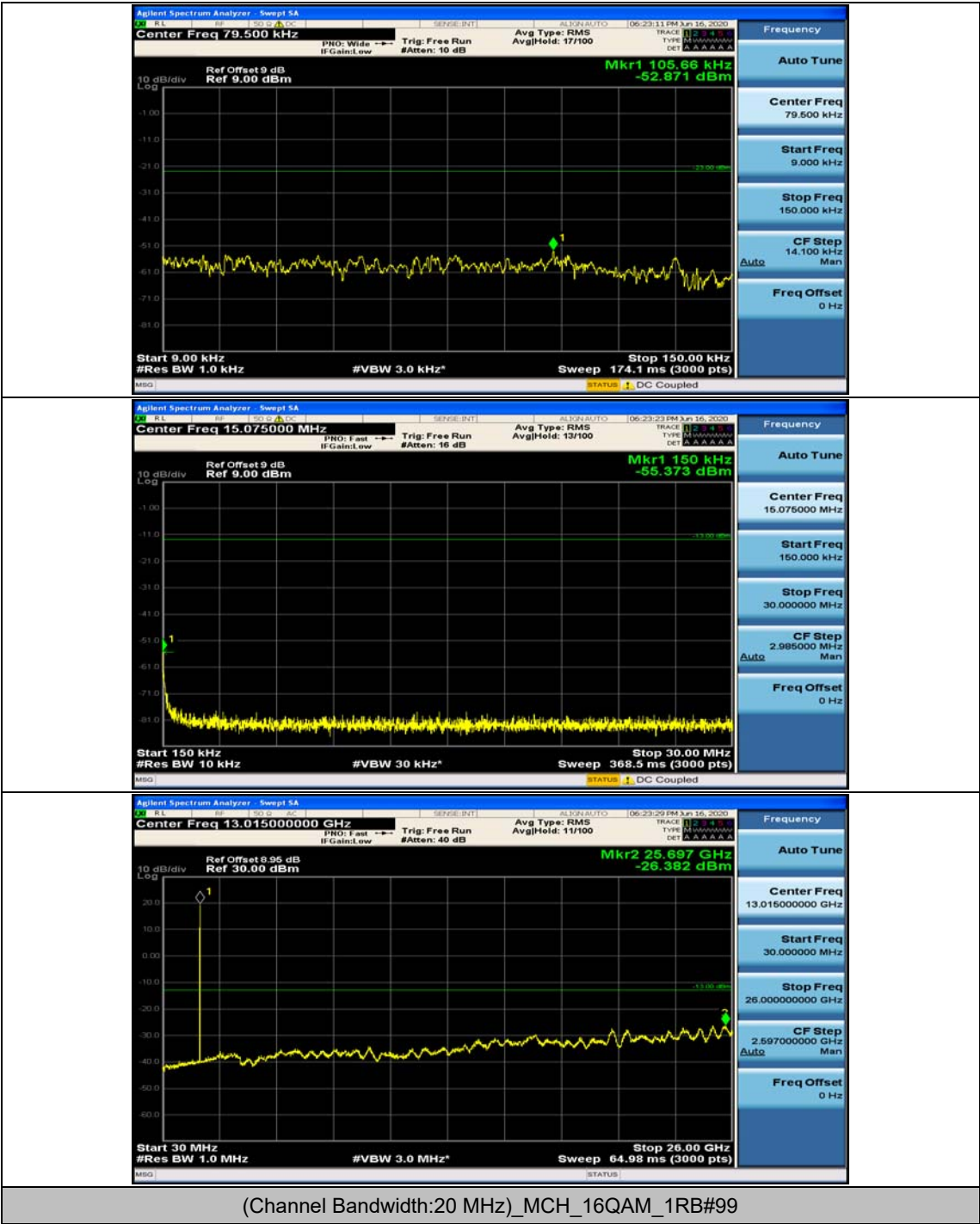


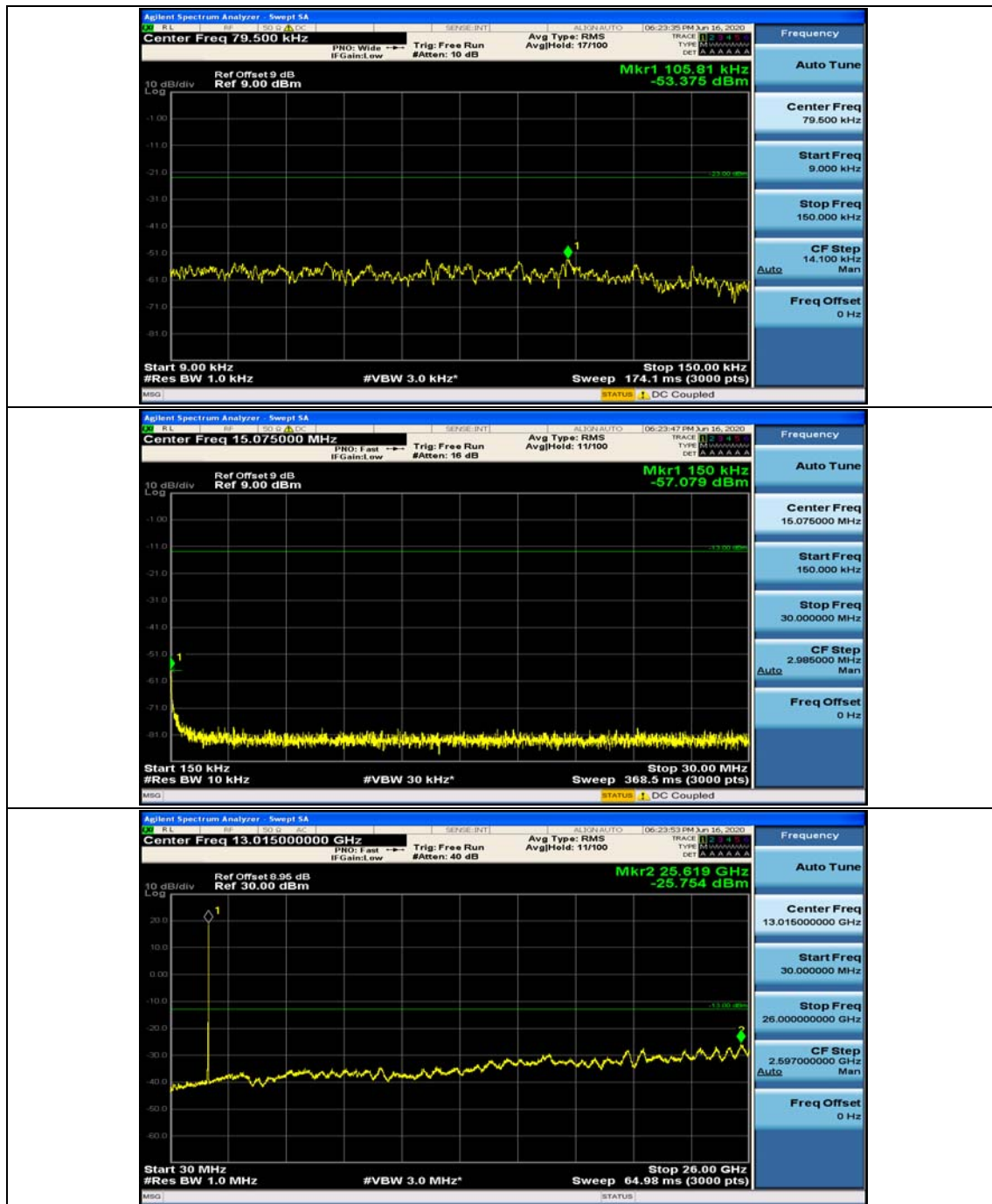




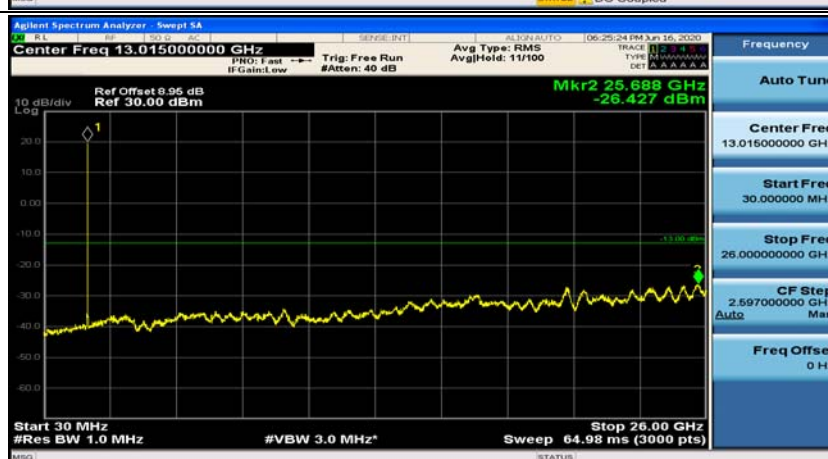
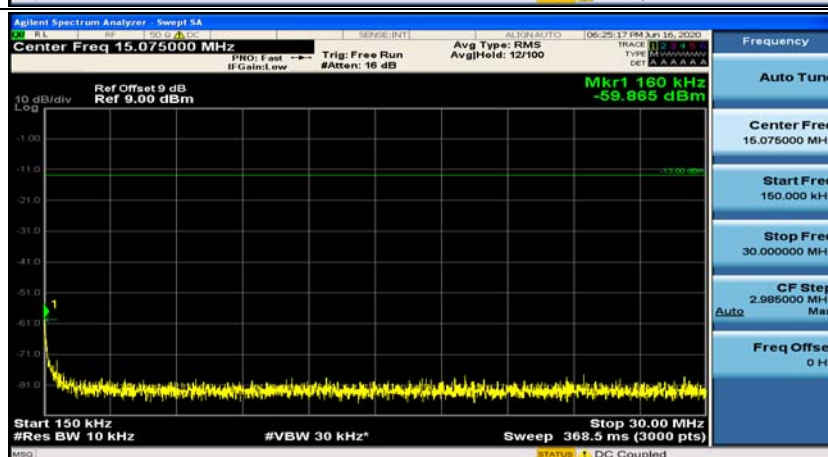
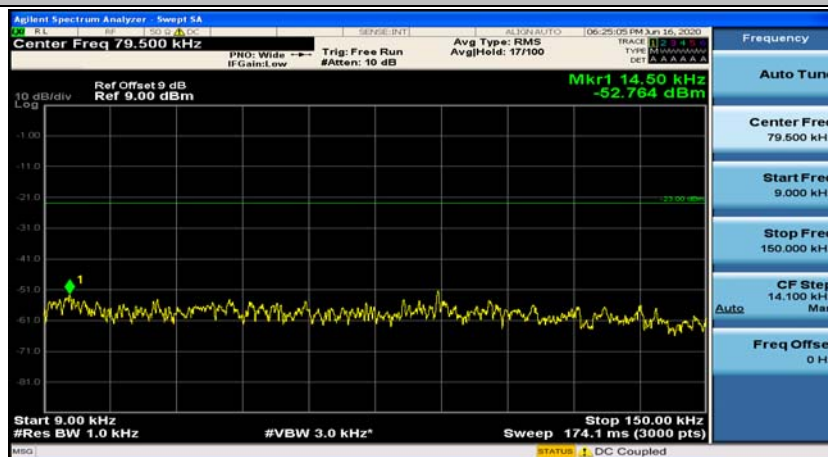




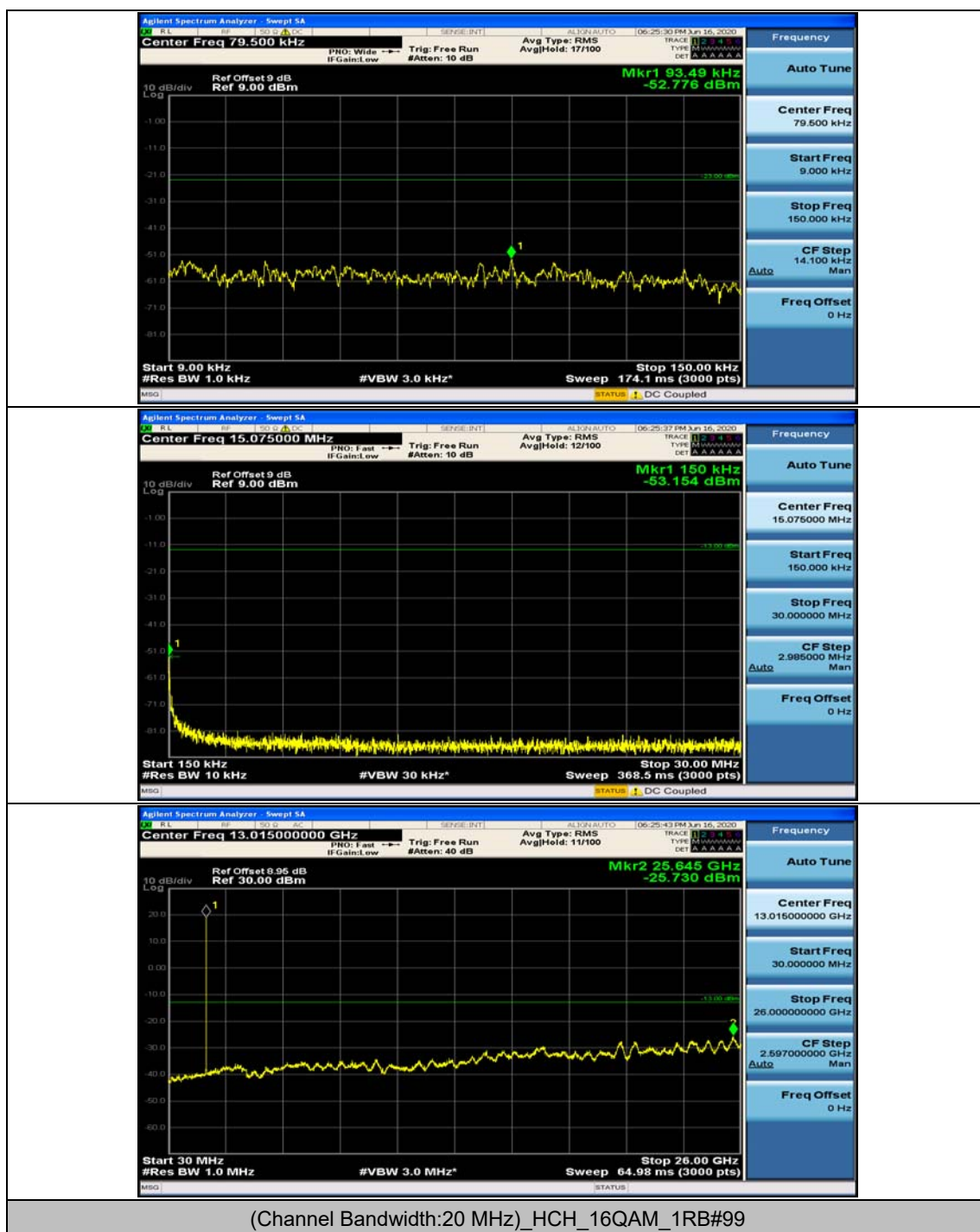


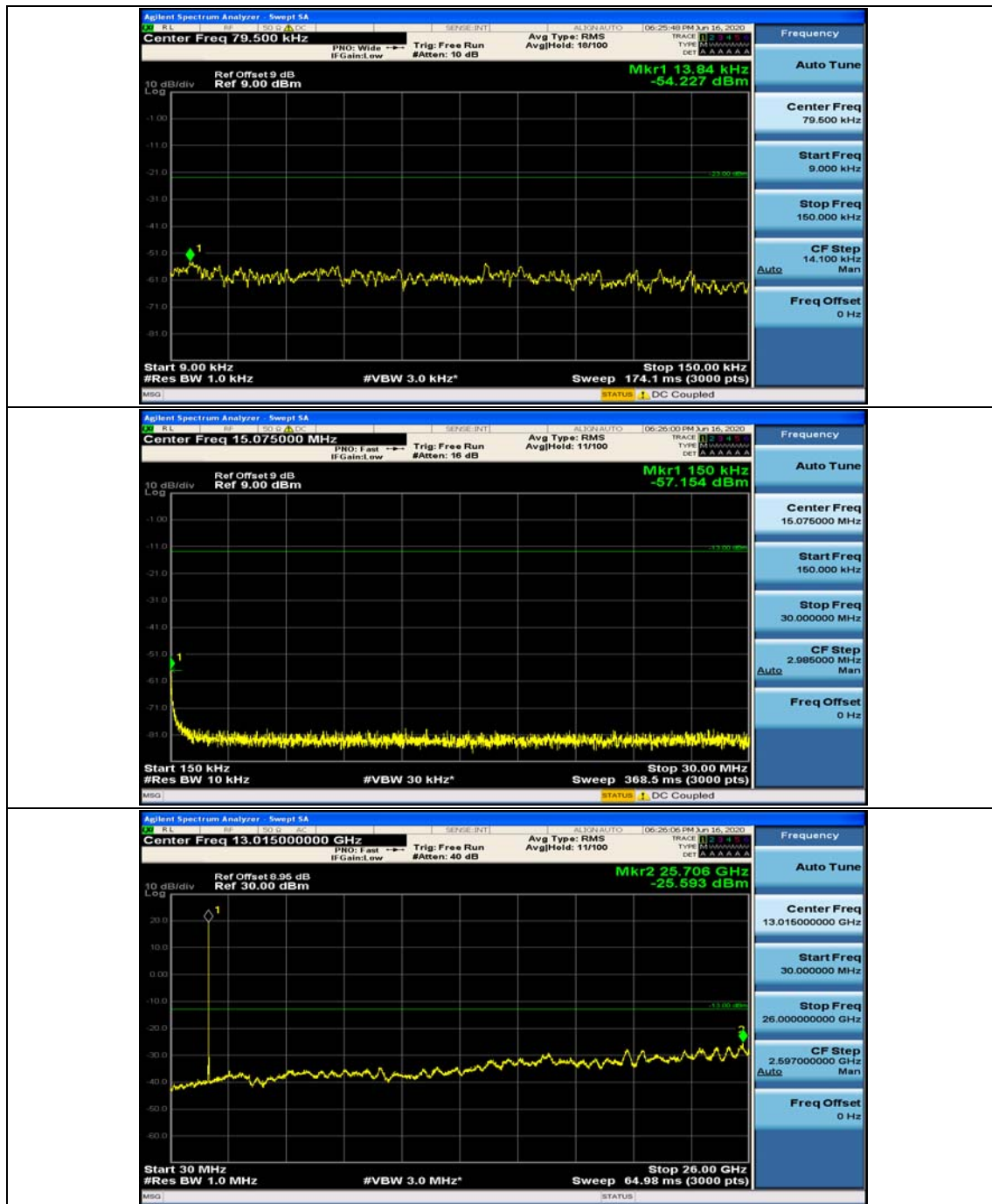


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





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	-0.86	-0.000503	± 2.5	PASS
		VN	TN	1.44	0.000842	± 2.5	PASS
		VH	TN	-1.45	-0.000848	± 2.5	PASS
	MCH	VL	TN	1.66	0.000958	± 2.5	PASS
		VN	TN	1.39	0.000802	± 2.5	PASS
		VH	TN	0.83	0.000479	± 2.5	PASS
	HCH	VL	TN	4.25	0.002423	± 2.5	PASS
		VN	TN	1.4	0.000798	± 2.5	PASS
		VH	TN	-1.43	-0.000815	± 2.5	PASS
16QAM	LCH	VL	TN	1.91	0.001117	± 2.5	PASS
		VN	TN	2.02	0.001181	± 2.5	PASS
		VH	TN	0.86	0.000503	± 2.5	PASS
	MCH	VL	TN	-0.74	-0.000427	± 2.5	PASS
		VN	TN	1.9	0.001097	± 2.5	PASS
		VH	TN	4.31	0.002488	± 2.5	PASS
	HCH	VL	TN	-1.44	-0.000821	± 2.5	PASS
		VN	TN	3.16	0.001801	± 2.5	PASS
		VH	TN	-1.67	-0.000952	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.78	-0.001041	± 2.5	PASS
		VN	-20	-1.96	-0.001146	± 2.5	PASS
		VN	-10	1.69	0.000988	± 2.5	PASS
		VN	0	-0.65	-0.000380	± 2.5	PASS
		VN	10	2.17	0.001268	± 2.5	PASS
		VN	20	3.22	0.001882	± 2.5	PASS
		VN	30	-1.79	-0.001046	± 2.5	PASS
		VN	40	2.97	0.001736	± 2.5	PASS
		VN	50	-0.13	-0.000076	± 2.5	PASS
	MCH	VN	-30	1.45	0.000837	± 2.5	PASS

		VN	-20	-1.1	-0.000635	± 2.5	PASS
		VN	-10	2.58	0.001489	± 2.5	PASS
		VN	0	-0.48	-0.000277	± 2.5	PASS
		VN	10	2.11	0.001218	± 2.5	PASS
		VN	20	1.21	0.000698	± 2.5	PASS
		VN	30	3.25	0.001876	± 2.5	PASS
		VN	40	-1.21	-0.000698	± 2.5	PASS
		VN	50	0.55	0.000317	± 2.5	PASS
	HCH	VN	-30	4.43	0.002525	± 2.5	PASS
		VN	-20	3.99	0.002274	± 2.5	PASS
		VN	-10	0.89	0.000507	± 2.5	PASS
		VN	0	0.15	0.000086	± 2.5	PASS
		VN	10	1.22	0.000695	± 2.5	PASS
		VN	20	4.93	0.002810	± 2.5	PASS
		VN	30	2.2	0.001254	± 2.5	PASS
		VN	40	3.66	0.002086	± 2.5	PASS
		VN	50	-0.71	-0.000405	± 2.5	PASS
16QAM	LCH	VN	-30	-1.45	-0.000848	± 2.5	PASS
		VN	-20	3.67	0.002145	± 2.5	PASS
		VN	-10	2.12	0.001239	± 2.5	PASS
		VN	0	0.74	0.000433	± 2.5	PASS
		VN	10	2.37	0.001385	± 2.5	PASS
		VN	20	2.55	0.001491	± 2.5	PASS
		VN	30	0.83	0.000485	± 2.5	PASS
		VN	40	1.98	0.001157	± 2.5	PASS
		VN	50	-1.29	-0.000754	± 2.5	PASS
	MCH	VN	-30	0	0.000000	± 2.5	PASS
		VN	-20	-1.43	-0.000815	± 2.5	PASS
		VN	-10	4.33	0.002468	± 2.5	PASS
		VN	0	2.04	0.001163	± 2.5	PASS
		VN	10	3.64	0.002075	± 2.5	PASS
		VN	20	3.91	0.002229	± 2.5	PASS
		VN	30	-0.01	-0.000006	± 2.5	PASS
		VN	40	2.06	0.001174	± 2.5	PASS
		VN	50	3.89	0.002217	± 2.5	PASS
	HCH	VN	-30	-0.6	-0.000342	± 2.5	PASS
		VN	-20	1.41	0.000804	± 2.5	PASS
		VN	-10	1.03	0.000587	± 2.5	PASS
		VN	0	4.88	0.002782	± 2.5	PASS
		VN	10	-1.44	-0.000821	± 2.5	PASS
		VN	20	0.38	0.000217	± 2.5	PASS

		VN	30	2.54	0.001448	± 2.5	PASS
		VN	40	2.03	0.001157	± 2.5	PASS
		VN	50	4.28	0.002440	± 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	1.48	0.000865	± 2.5	PASS
		VN	TN	3.26	0.001905	± 2.5	PASS
		VH	TN	-1.73	-0.001011	± 2.5	PASS
	MCH	VL	TN	2.7	0.001558	± 2.5	PASS
		VN	TN	-1.18	-0.000681	± 2.5	PASS
		VH	TN	0.62	0.000358	± 2.5	PASS
	HCH	VL	TN	-0.25	-0.000143	± 2.5	PASS
		VN	TN	4.56	0.002601	± 2.5	PASS
		VH	TN	2.07	0.001180	± 2.5	PASS
16QAM	LCH	VL	TN	3.13	0.001829	± 2.5	PASS
		VN	TN	3.21	0.001876	± 2.5	PASS
		VH	TN	3.5	0.002045	± 2.5	PASS
	MCH	VL	TN	0.73	0.000421	± 2.5	PASS
		VN	TN	3.19	0.001841	± 2.5	PASS
		VH	TN	1.44	0.000831	± 2.5	PASS
	HCH	VL	TN	-1.87	-0.001066	± 2.5	PASS
		VN	TN	1.13	0.000644	± 2.5	PASS
		VH	TN	1.68	0.000958	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.1	0.001811	± 2.5	PASS
		VN	-20	1.73	0.001011	± 2.5	PASS
		VN	-10	0.64	0.000374	± 2.5	PASS
		VN	0	-0.6	-0.000351	± 2.5	PASS
		VN	10	-0.42	-0.000245	± 2.5	PASS
		VN	20	4.45	0.002600	± 2.5	PASS
		VN	30	4.35	0.002542	± 2.5	PASS
		VN	40	-0.47	-0.000275	± 2.5	PASS
		VN	50	2.92	0.001706	± 2.5	PASS
	MCH	VN	-30	1.02	0.000589	± 2.5	PASS

		VN	-20	2.1	0.001212	± 2.5	PASS
		VN	-10	4	0.002309	± 2.5	PASS
		VN	0	1.87	0.001079	± 2.5	PASS
		VN	10	4.54	0.002620	± 2.5	PASS
		VN	20	1.26	0.000727	± 2.5	PASS
		VN	30	-0.53	-0.000306	± 2.5	PASS
		VN	40	-0.36	-0.000208	± 2.5	PASS
		VN	50	3.87	0.002234	± 2.5	PASS
	HCH	VN	-30	0.93	0.000530	± 2.5	PASS
		VN	-20	-0.93	-0.000530	± 2.5	PASS
		VN	-10	1.64	0.000935	± 2.5	PASS
		VN	0	1.92	0.001095	± 2.5	PASS
		VN	10	3.83	0.002184	± 2.5	PASS
		VN	20	3.95	0.002253	± 2.5	PASS
		VN	30	3.72	0.002121	± 2.5	PASS
		VN	40	4.8	0.002737	± 2.5	PASS
		VN	50	0.51	0.000291	± 2.5	PASS
16QAM	LCH	VN	-30	4.21	0.002430	± 2.5	PASS
		VN	-20	0.01	0.000006	± 2.5	PASS
		VN	-10	2	0.001154	± 2.5	PASS
		VN	0	-1.47	-0.000848	± 2.5	PASS
		VN	10	3.78	0.002182	± 2.5	PASS
		VN	20	-1.21	-0.000698	± 2.5	PASS
		VN	30	-1.68	-0.000970	± 2.5	PASS
		VN	40	3.81	0.002199	± 2.5	PASS
		VN	50	-0.95	-0.000548	± 2.5	PASS
	MCH	VN	-30	-0.87	-0.000496	± 2.5	PASS
		VN	-20	0.85	0.000485	± 2.5	PASS
		VN	-10	0.44	0.000251	± 2.5	PASS
		VN	0	-1.16	-0.000662	± 2.5	PASS
		VN	10	-1.48	-0.000844	± 2.5	PASS
		VN	20	-0.48	-0.000274	± 2.5	PASS
		VN	30	4.31	0.002458	± 2.5	PASS
		VN	40	0.98	0.000559	± 2.5	PASS
		VN	50	4.85	0.002766	± 2.5	PASS
	HCH	VN	-30	2.87	0.001637	± 2.5	PASS
		VN	-20	-0.67	-0.000382	± 2.5	PASS
		VN	-10	-1.19	-0.000679	± 2.5	PASS
		VN	0	2.92	0.001665	± 2.5	PASS
		VN	10	4.59	0.002618	± 2.5	PASS
		VN	20	3.73	0.002127	± 2.5	PASS

		VN	30	3.59	0.002047	± 2.5	PASS
		VN	40	2.29	0.001306	± 2.5	PASS
		VN	50	-0.92	-0.000525	± 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	2.29	0.001337	± 2.5	PASS
		VN	TN	-0.53	-0.000309	± 2.5	PASS
		VH	TN	3.86	0.002254	± 2.5	PASS
	MCH	VL	TN	-1.26	-0.000727	± 2.5	PASS
		VN	TN	4.87	0.002811	± 2.5	PASS
		VH	TN	3.69	0.002130	± 2.5	PASS
	HCH	VL	TN	-0.26	-0.000148	± 2.5	PASS
		VN	TN	2.86	0.001632	± 2.5	PASS
		VH	TN	1.67	0.000953	± 2.5	PASS
16QAM	LCH	VL	TN	-0.38	-0.000222	± 2.5	PASS
		VN	TN	4.9	0.002861	± 2.5	PASS
		VH	TN	4.99	0.002914	± 2.5	PASS
	MCH	VL	TN	3.89	0.002245	± 2.5	PASS
		VN	TN	3.56	0.002055	± 2.5	PASS
		VH	TN	-0.94	-0.000543	± 2.5	PASS
	HCH	VL	TN	0.58	0.000331	± 2.5	PASS
		VN	TN	2.89	0.001649	± 2.5	PASS
		VH	TN	1.23	0.000702	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.03	0.002353	± 2.5	PASS
		VN	-20	0.22	0.000128	± 2.5	PASS
		VN	-10	2.56	0.001495	± 2.5	PASS
		VN	0	0.04	0.000023	± 2.5	PASS
		VN	10	2.24	0.001308	± 2.5	PASS
		VN	20	2.33	0.001361	± 2.5	PASS
		VN	30	1.31	0.000765	± 2.5	PASS
		VN	40	2.81	0.001641	± 2.5	PASS
		VN	50	2.1	0.001226	± 2.5	PASS
	MCH	VN	-30	0.29	0.000167	± 2.5	PASS

		VN	-20	3.73	0.002153	± 2.5	PASS
		VN	-10	2.01	0.001160	± 2.5	PASS
		VN	0	2.81	0.001622	± 2.5	PASS
		VN	10	3.51	0.002026	± 2.5	PASS
		VN	20	3.48	0.002009	± 2.5	PASS
		VN	30	3.33	0.001922	± 2.5	PASS
		VN	40	3.96	0.002286	± 2.5	PASS
		VN	50	-1.08	-0.000623	± 2.5	PASS
	HCH	VN	-30	-1.21	-0.000690	± 2.5	PASS
		VN	-20	0.79	0.000414	± 2.5	PASS
		VN	-10	0.88	0.000461	± 2.5	PASS
		VN	0	3.23	0.001693	± 2.5	PASS
		VN	10	-1.28	-0.000671	± 2.5	PASS
		VN	20	2.98	0.001562	± 2.5	PASS
		VN	30	-1.69	-0.000886	± 2.5	PASS
		VN	40	4.62	0.002422	± 2.5	PASS
		VN	50	3.56	0.001866	± 2.5	PASS
16QAM	LCH	VN	-30	-0.02	-0.000012	± 2.5	PASS
		VN	-20	2.05	0.001183	± 2.5	PASS
		VN	-10	1.66	0.000958	± 2.5	PASS
		VN	0	2	0.001154	± 2.5	PASS
		VN	10	1	0.000577	± 2.5	PASS
		VN	20	1.93	0.001114	± 2.5	PASS
		VN	30	2.97	0.001714	± 2.5	PASS
		VN	40	3.44	0.001986	± 2.5	PASS
		VN	50	0	0.000000	± 2.5	PASS
	MCH	VN	-30	4.21	0.002402	± 2.5	PASS
		VN	-20	3.23	0.001843	± 2.5	PASS
		VN	-10	2.95	0.001683	± 2.5	PASS
		VN	0	-0.71	-0.000405	± 2.5	PASS
		VN	10	4.69	0.002676	± 2.5	PASS
		VN	20	2.08	0.001187	± 2.5	PASS
		VN	30	-0.4	-0.000228	± 2.5	PASS
		VN	40	0.47	0.000268	± 2.5	PASS
		VN	50	-1.64	-0.000936	± 2.5	PASS
	HCH	VN	-30	-0.91	-0.000477	± 2.5	PASS
		VN	-20	4.08	0.002139	± 2.5	PASS
		VN	-10	0.25	0.000131	± 2.5	PASS
		VN	0	4.17	0.002186	± 2.5	PASS
		VN	10	2.6	0.001363	± 2.5	PASS
		VN	20	-0.07	-0.000037	± 2.5	PASS

		VN	30	0.16	0.000084	± 2.5	PASS
		VN	40	2.85	0.001494	± 2.5	PASS
		VN	50	-1.46	-0.000765	± 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	0.11	0.000064	± 2.5	PASS
		VN	TN	0.39	0.000227	± 2.5	PASS
		VH	TN	4.6	0.002682	± 2.5	PASS
	MCH	VL	TN	3.29	0.001899	± 2.5	PASS
		VN	TN	-0.26	-0.000150	± 2.5	PASS
		VH	TN	1.27	0.000733	± 2.5	PASS
	HCH	VL	TN	3.04	0.001737	± 2.5	PASS
		VN	TN	-0.12	-0.000069	± 2.5	PASS
		VH	TN	-0.4	-0.000229	± 2.5	PASS
16QAM	LCH	VL	TN	2.16	0.001259	± 2.5	PASS
		VN	TN	1.85	0.001079	± 2.5	PASS
		VH	TN	4.38	0.002554	± 2.5	PASS
	MCH	VL	TN	0.14	0.000081	± 2.5	PASS
		VN	TN	0.36	0.000208	± 2.5	PASS
		VH	TN	-0.09	-0.000052	± 2.5	PASS
	HCH	VL	TN	0.09	0.000051	± 2.5	PASS
		VN	TN	3.15	0.001800	± 2.5	PASS
		VH	TN	3.42	0.001954	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.17	0.002431	± 2.5	PASS
		VN	-20	4.62	0.002694	± 2.5	PASS
		VN	-10	4.18	0.002437	± 2.5	PASS
		VN	0	3.67	0.002140	± 2.5	PASS
		VN	10	-0.65	-0.000379	± 2.5	PASS
		VN	20	1.36	0.000793	± 2.5	PASS
		VN	30	0.3	0.000175	± 2.5	PASS
		VN	40	1.52	0.000886	± 2.5	PASS
		VN	50	4.66	0.002717	± 2.5	PASS
	MCH	VN	-30	0.1	0.000058	± 2.5	PASS

		VN	-20	3.43	0.001980	± 2.5	PASS
		VN	-10	-0.07	-0.000040	± 2.5	PASS
		VN	0	3.52	0.002032	± 2.5	PASS
		VN	10	4.58	0.002644	± 2.5	PASS
		VN	20	2.19	0.001264	± 2.5	PASS
		VN	30	2.18	0.001258	± 2.5	PASS
		VN	40	0.78	0.000450	± 2.5	PASS
		VN	50	-1.39	-0.000802	± 2.5	PASS
	HCH	VN	-30	-1.41	-0.000806	± 2.5	PASS
		VN	-20	0.08	0.000046	± 2.5	PASS
		VN	-10	-1.42	-0.000811	± 2.5	PASS
		VN	0	-1.45	-0.000829	± 2.5	PASS
		VN	10	0.61	0.000349	± 2.5	PASS
		VN	20	3.22	0.001840	± 2.5	PASS
		VN	30	3.71	0.002120	± 2.5	PASS
		VN	40	1.3	0.000743	± 2.5	PASS
		VN	50	0.81	0.000463	± 2.5	PASS
16QAM	LCH	VN	-30	-0.28	-0.000162	± 2.5	PASS
		VN	-20	1.35	0.000779	± 2.5	PASS
		VN	-10	-0.26	-0.000150	± 2.5	PASS
		VN	0	4.14	0.002390	± 2.5	PASS
		VN	10	4.54	0.002620	± 2.5	PASS
		VN	20	0.48	0.000277	± 2.5	PASS
		VN	30	4.96	0.002863	± 2.5	PASS
		VN	40	1.91	0.001102	± 2.5	PASS
		VN	50	2.98	0.001720	± 2.5	PASS
	MCH	VN	-30	-0.4	-0.000229	± 2.5	PASS
		VN	-20	3.71	0.002120	± 2.5	PASS
		VN	-10	-0.89	-0.000509	± 2.5	PASS
		VN	0	0.69	0.000394	± 2.5	PASS
		VN	10	4.55	0.002600	± 2.5	PASS
		VN	20	-1.2	-0.000686	± 2.5	PASS
		VN	30	4.32	0.002469	± 2.5	PASS
		VN	40	-1.55	-0.000886	± 2.5	PASS
		VN	50	4.14	0.002366	± 2.5	PASS
	HCH	VN	-30	0.2	0.000114	± 2.5	PASS
		VN	-20	-1.74	-0.000994	± 2.5	PASS
		VN	-10	1.53	0.000874	± 2.5	PASS
		VN	0	3.17	0.001811	± 2.5	PASS
		VN	10	4.26	0.002434	± 2.5	PASS
		VN	20	-1.68	-0.000960	± 2.5	PASS

		VN	30	0.9	0.000514	± 2.5	PASS
		VN	40	-1.33	-0.000760	± 2.5	PASS
		VN	50	-1.6	-0.000914	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1	-0.000582	± 2.5	PASS
		VN	TN	1.09	0.000635	± 2.5	PASS
		VH	TN	4.07	0.002370	± 2.5	PASS
	MCH	VL	TN	1.55	0.000895	± 2.5	PASS
		VN	TN	-0.26	-0.000150	± 2.5	PASS
		VH	TN	1.12	0.000646	± 2.5	PASS
	HCH	VL	TN	-1.39	-0.000795	± 2.5	PASS
		VN	TN	1.59	0.000910	± 2.5	PASS
		VH	TN	0.05	0.000029	± 2.5	PASS
16QAM	LCH	VL	TN	4.85	0.002824	± 2.5	PASS
		VN	TN	-0.51	-0.000297	± 2.5	PASS
		VH	TN	1.91	0.001112	± 2.5	PASS
	MCH	VL	TN	2.94	0.001697	± 2.5	PASS
		VN	TN	3.12	0.001801	± 2.5	PASS
		VH	TN	0.93	0.000537	± 2.5	PASS
	HCH	VL	TN	0.64	0.000366	± 2.5	PASS
		VN	TN	-1.44	-0.000824	± 2.5	PASS
		VH	TN	4.88	0.002793	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.66	0.002131	± 2.5	PASS
		VN	-20	-1.2	-0.000699	± 2.5	PASS
		VN	-10	-0.2	-0.000116	± 2.5	PASS
		VN	0	4.11	0.002393	± 2.5	PASS
		VN	10	4.4	0.002562	± 2.5	PASS
		VN	20	-0.86	-0.000501	± 2.5	PASS
		VN	30	4.46	0.002597	± 2.5	PASS
		VN	40	4.1	0.002387	± 2.5	PASS
		VN	50	3.34	0.001945	± 2.5	PASS
	MCH	VN	-30	1.33	0.000768	± 2.5	PASS

		VN	-20	3.6	0.002078	± 2.5	PASS
		VN	-10	1	0.000577	± 2.5	PASS
		VN	0	1.52	0.000877	± 2.5	PASS
		VN	10	0.32	0.000185	± 2.5	PASS
		VN	20	3.21	0.001853	± 2.5	PASS
		VN	30	4.69	0.002707	± 2.5	PASS
		VN	40	-0.05	-0.000029	± 2.5	PASS
		VN	50	2.79	0.001610	± 2.5	PASS
	HCH	VN	-30	4.68	0.002678	± 2.5	PASS
		VN	-20	3.58	0.002049	± 2.5	PASS
		VN	-10	4.21	0.002409	± 2.5	PASS
		VN	0	1.86	0.001064	± 2.5	PASS
		VN	10	-0.4	-0.000229	± 2.5	PASS
		VN	20	4.38	0.002506	± 2.5	PASS
		VN	30	3.86	0.002209	± 2.5	PASS
		VN	40	4.4	0.002518	± 2.5	PASS
		VN	50	1.16	0.000664	± 2.5	PASS
16QAM	LCH	VN	-30	-0.66	-0.000381	± 2.5	PASS
		VN	-20	3.56	0.002055	± 2.5	PASS
		VN	-10	3.02	0.001743	± 2.5	PASS
		VN	0	4.12	0.002378	± 2.5	PASS
		VN	10	-0.54	-0.000312	± 2.5	PASS
		VN	20	3.8	0.002193	± 2.5	PASS
		VN	30	-0.21	-0.000121	± 2.5	PASS
		VN	40	-0.71	-0.000410	± 2.5	PASS
		VN	50	-0.66	-0.000381	± 2.5	PASS
	MCH	VN	-30	2.53	0.001448	± 2.5	PASS
		VN	-20	2.54	0.001454	± 2.5	PASS
		VN	-10	3.23	0.001848	± 2.5	PASS
		VN	0	4.42	0.002529	± 2.5	PASS
		VN	10	3.93	0.002249	± 2.5	PASS
		VN	20	-0.55	-0.000315	± 2.5	PASS
		VN	30	-1.78	-0.001019	± 2.5	PASS
		VN	40	0.4	0.000229	± 2.5	PASS
		VN	50	-1.05	-0.000601	± 2.5	PASS
	HCH	VN	-30	4.8	0.002747	± 2.5	PASS
		VN	-20	3.99	0.002283	± 2.5	PASS
		VN	-10	4.98	0.002850	± 2.5	PASS
		VN	0	2.32	0.001328	± 2.5	PASS
		VN	10	1.21	0.000692	± 2.5	PASS
		VN	20	2.38	0.001362	± 2.5	PASS

		VN	30	1.21	0.000692	± 2.5	PASS
		VN	40	2.41	0.001379	± 2.5	PASS
		VN	50	2.79	0.001597	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.89	0.002262	± 2.5	PASS
		VN	TN	2.65	0.001541	± 2.5	PASS
		VH	TN	-0.84	-0.000488	± 2.5	PASS
	MCH	VL	TN	2.59	0.001495	± 2.5	PASS
		VN	TN	0.61	0.000352	± 2.5	PASS
		VH	TN	-0.83	-0.000479	± 2.5	PASS
	HCH	VL	TN	-0.69	-0.000395	± 2.5	PASS
		VN	TN	-0.07	-0.000040	± 2.5	PASS
		VH	TN	2.2	0.001261	± 2.5	PASS
16QAM	LCH	VL	TN	3.1	0.001802	± 2.5	PASS
		VN	TN	0.3	0.000174	± 2.5	PASS
		VH	TN	0.33	0.000192	± 2.5	PASS
	MCH	VL	TN	-1.62	-0.000935	± 2.5	PASS
		VN	TN	-1.36	-0.000785	± 2.5	PASS
		VH	TN	3.25	0.001876	± 2.5	PASS
	HCH	VL	TN	-1.58	-0.000905	± 2.5	PASS
		VN	TN	3.73	0.002138	± 2.5	PASS
		VH	TN	-0.25	-0.000143	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.49	0.002029	± 2.5	PASS
		VN	-20	3.41	0.001983	± 2.5	PASS
		VN	-10	-1.94	-0.001128	± 2.5	PASS
		VN	0	4.38	0.002547	± 2.5	PASS
		VN	10	-0.5	-0.000291	± 2.5	PASS
		VN	20	4.4	0.002558	± 2.5	PASS
		VN	30	3.32	0.001930	± 2.5	PASS
		VN	40	3.06	0.001779	± 2.5	PASS
		VN	50	1.11	0.000645	± 2.5	PASS
	MCH	VN	-30	3.46	0.001997	± 2.5	PASS

		VN	-20	2.02	0.001166	± 2.5	PASS
		VN	-10	2.98	0.001720	± 2.5	PASS
		VN	0	3.52	0.002032	± 2.5	PASS
		VN	10	2.11	0.001218	± 2.5	PASS
		VN	20	3.28	0.001893	± 2.5	PASS
		VN	30	-1.76	-0.001016	± 2.5	PASS
		VN	40	0.14	0.000081	± 2.5	PASS
		VN	50	0.35	0.000202	± 2.5	PASS
	HCH	VN	-30	3.15	0.001805	± 2.5	PASS
		VN	-20	1.74	0.000997	± 2.5	PASS
		VN	-10	0.76	0.000436	± 2.5	PASS
		VN	0	1.06	0.000607	± 2.5	PASS
		VN	10	1.86	0.001066	± 2.5	PASS
		VN	20	1.13	0.000648	± 2.5	PASS
		VN	30	3.25	0.001862	± 2.5	PASS
		VN	40	-0.84	-0.000481	± 2.5	PASS
		VN	50	-1.36	-0.000779	± 2.5	PASS
16QAM	LCH	VN	-30	4.63	0.002672	± 2.5	PASS
		VN	-20	1.2	0.000693	± 2.5	PASS
		VN	-10	0.66	0.000381	± 2.5	PASS
		VN	0	0.96	0.000554	± 2.5	PASS
		VN	10	1.48	0.000854	± 2.5	PASS
		VN	20	2.95	0.001703	± 2.5	PASS
		VN	30	2.96	0.001709	± 2.5	PASS
		VN	40	1.42	0.000820	± 2.5	PASS
		VN	50	3.12	0.001801	± 2.5	PASS
	MCH	VN	-30	2.69	0.001542	± 2.5	PASS
		VN	-20	-1.17	-0.000670	± 2.5	PASS
		VN	-10	-1.24	-0.000711	± 2.5	PASS
		VN	0	2.26	0.001295	± 2.5	PASS
		VN	10	4.4	0.002521	± 2.5	PASS
		VN	20	-0.03	-0.000017	± 2.5	PASS
		VN	30	-1.22	-0.000699	± 2.5	PASS
		VN	40	4.67	0.002676	± 2.5	PASS
		VN	50	3.11	0.001782	± 2.5	PASS
	HCH	VN	-30	3.35	0.001920	± 2.5	PASS
		VN	-20	-0.92	-0.000527	± 2.5	PASS
		VN	-10	4.02	0.002304	± 2.5	PASS
		VN	0	3.17	0.001817	± 2.5	PASS
		VN	10	4.54	0.002602	± 2.5	PASS
		VN	20	-1.63	-0.000934	± 2.5	PASS

		VN	30	-0.72	-0.000413	± 2.5	PASS
		VN	40	3.24	0.001857	± 2.5	PASS
		VN	50	1.76	0.001009	± 2.5	PASS