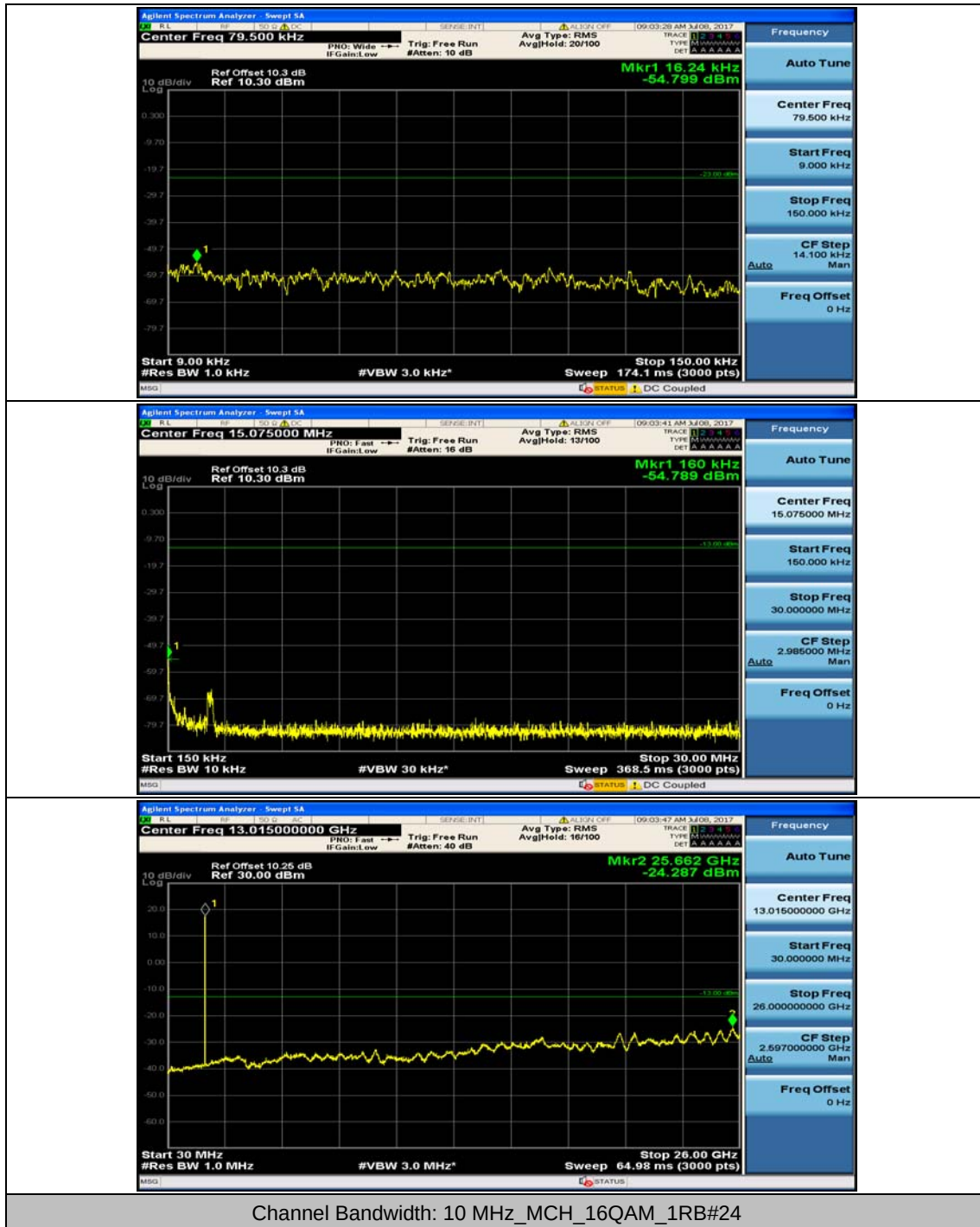
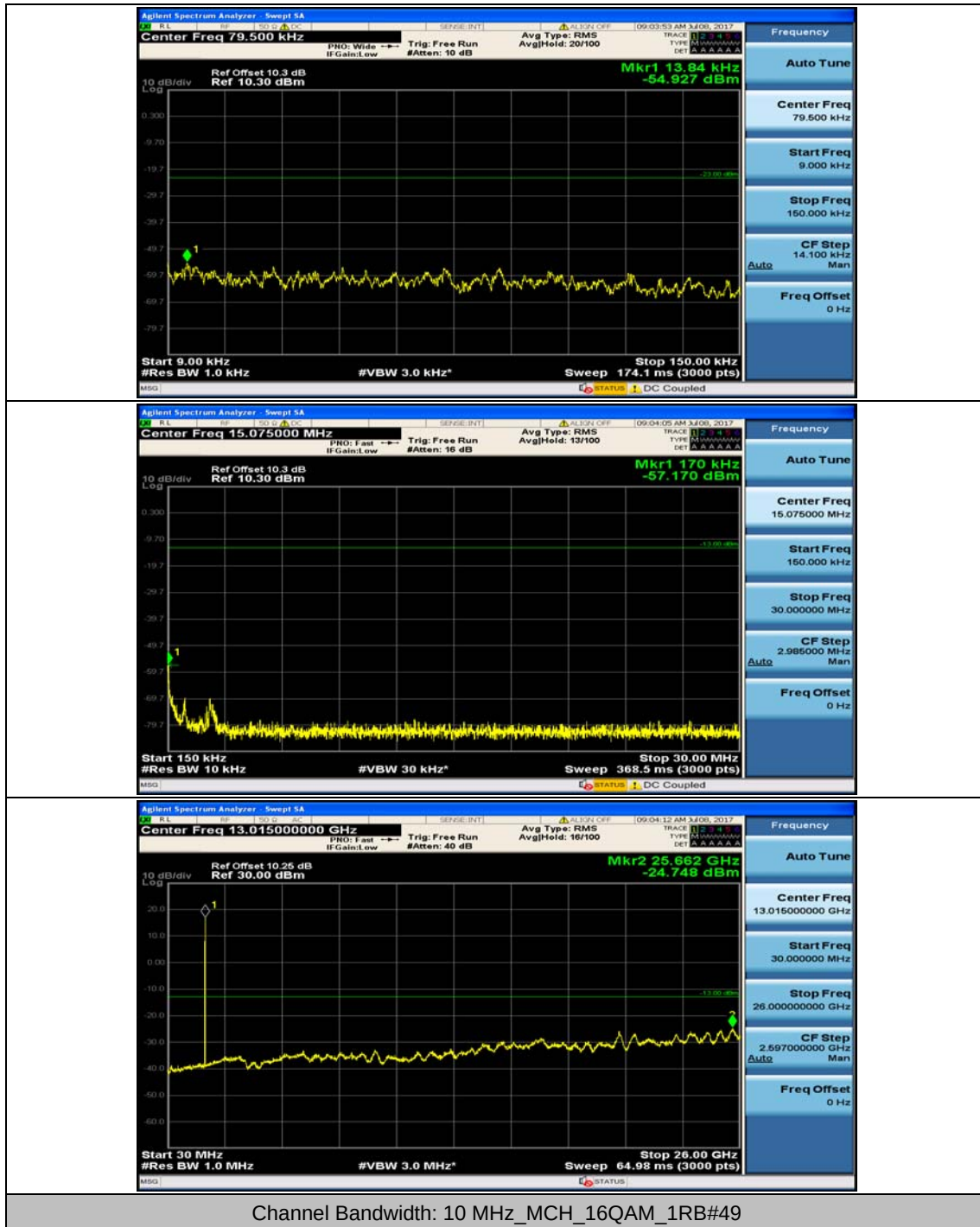
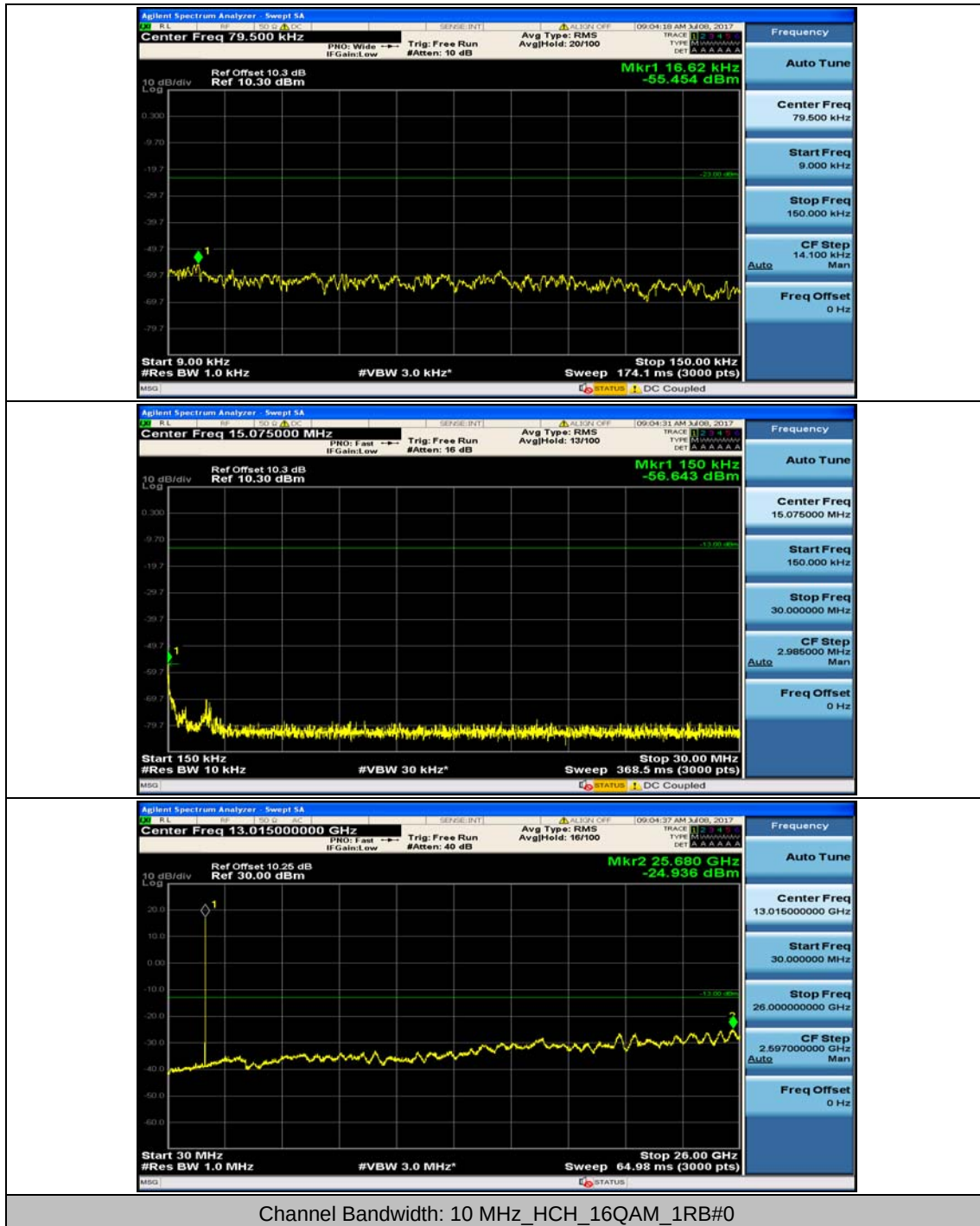
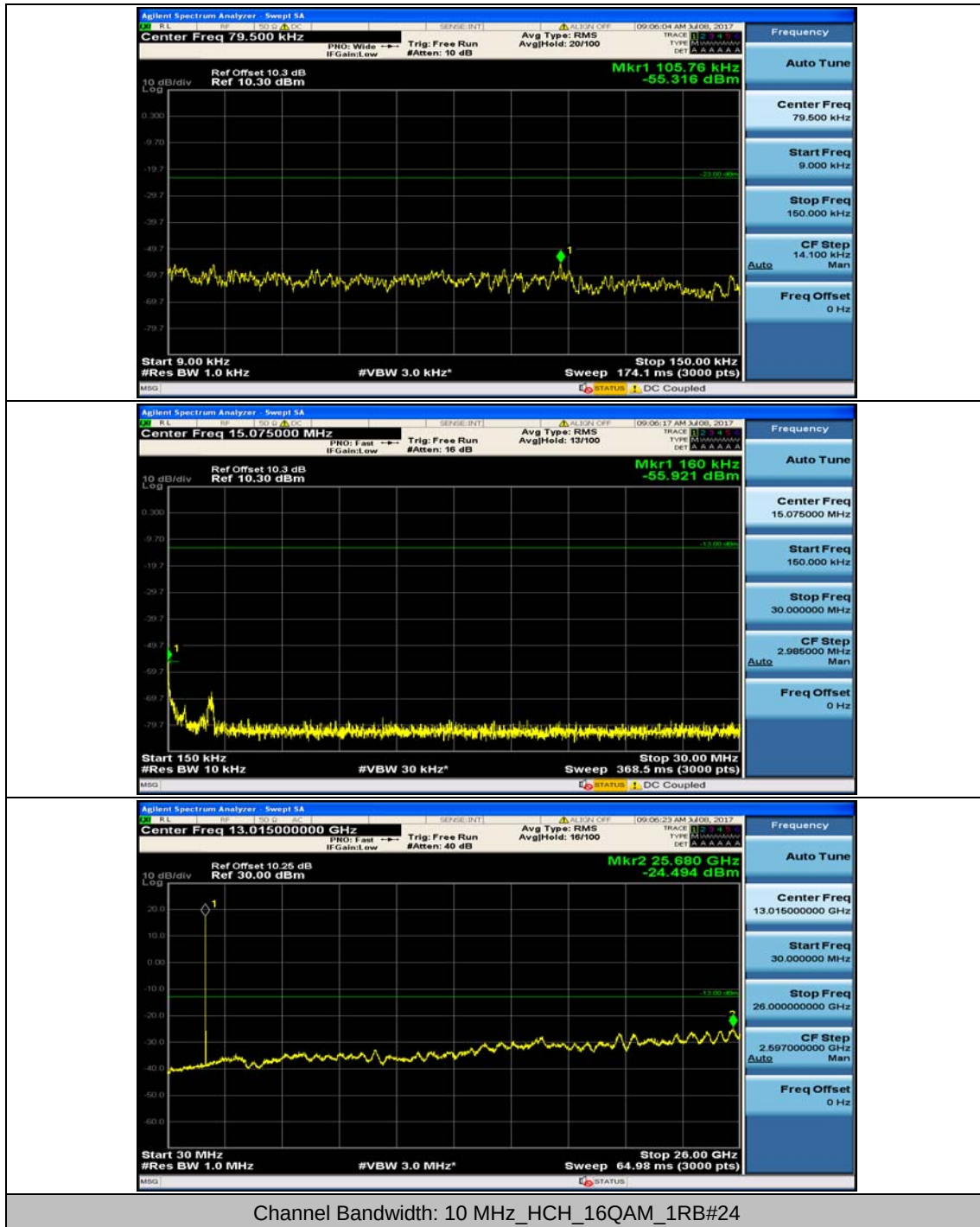
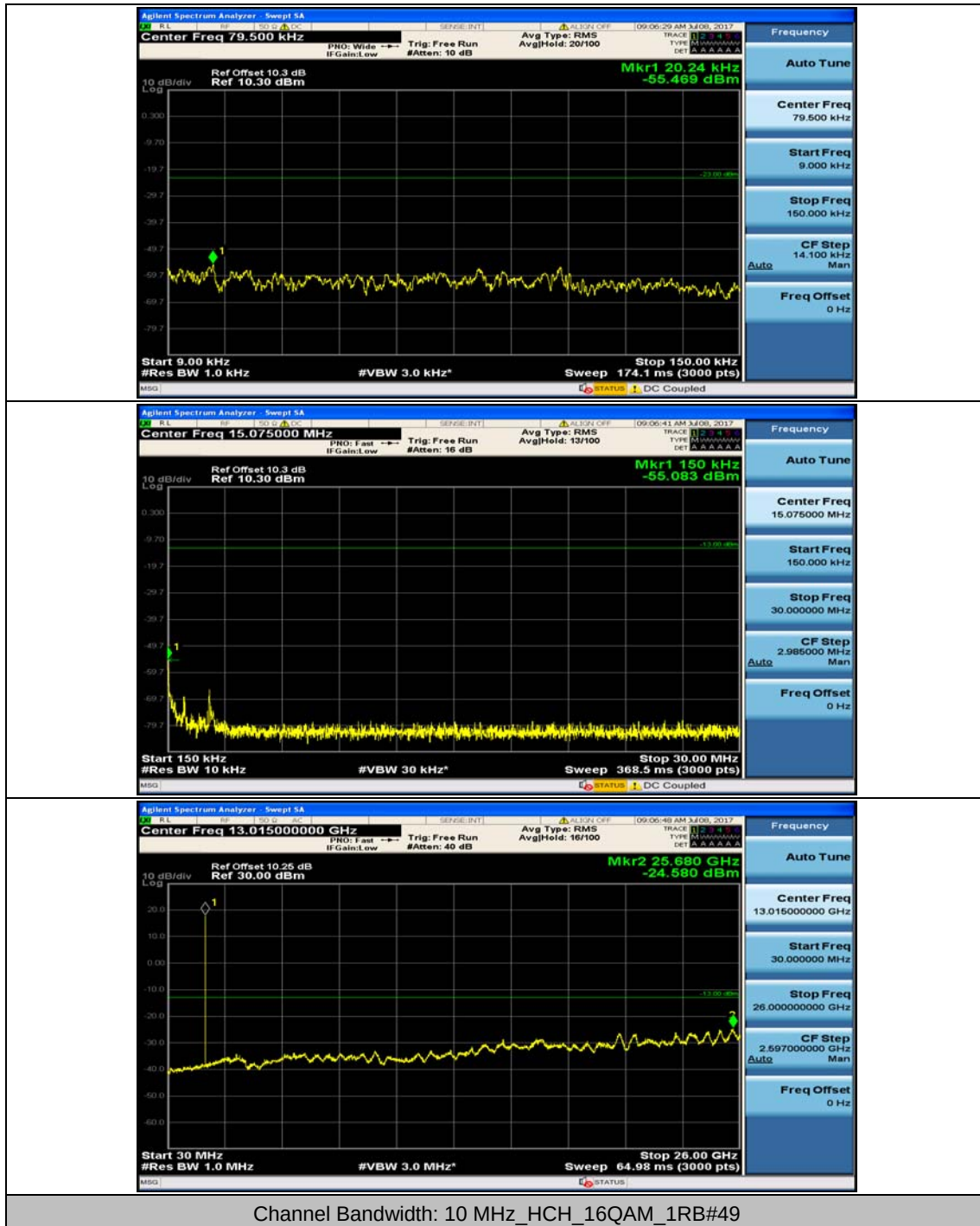


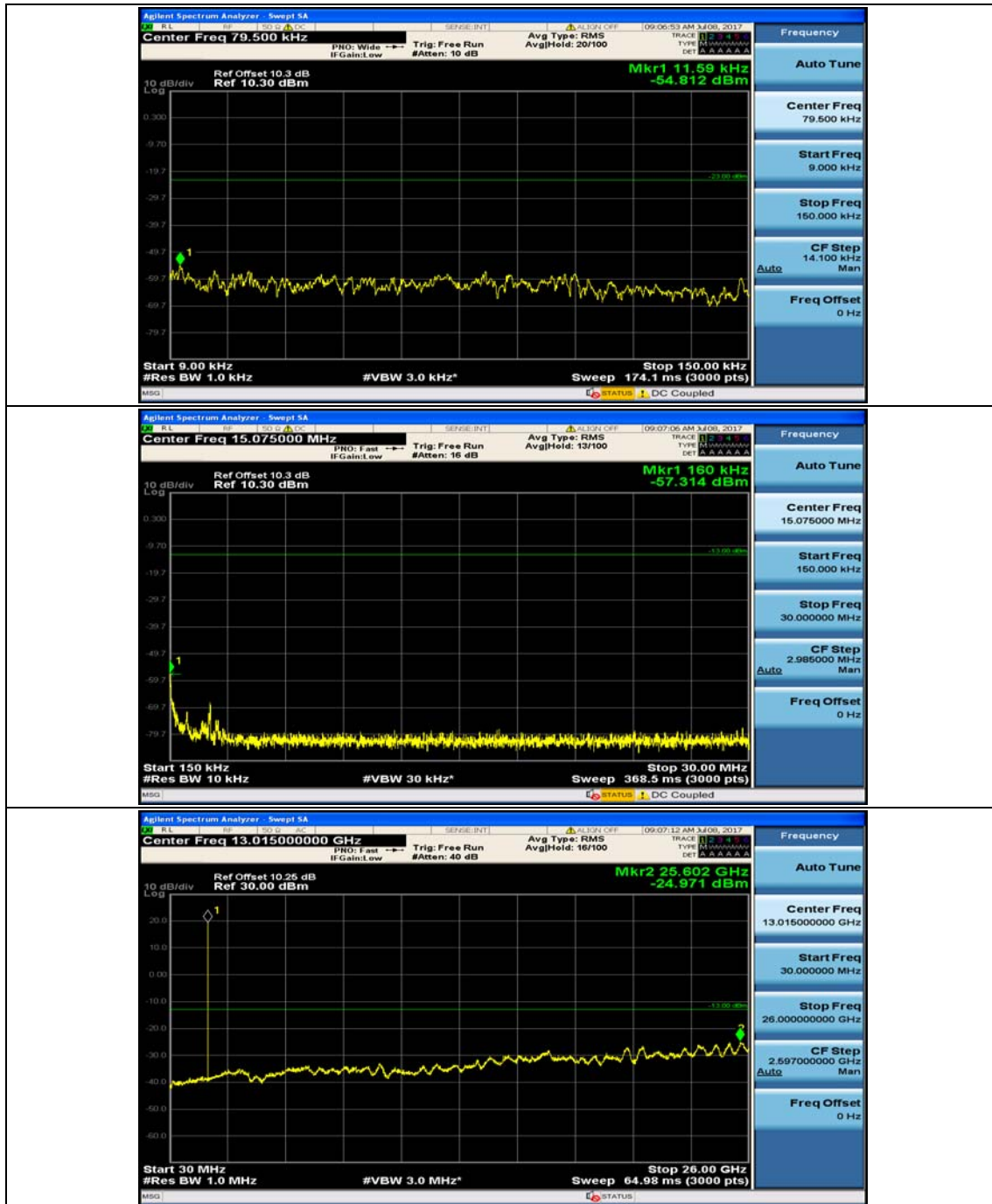




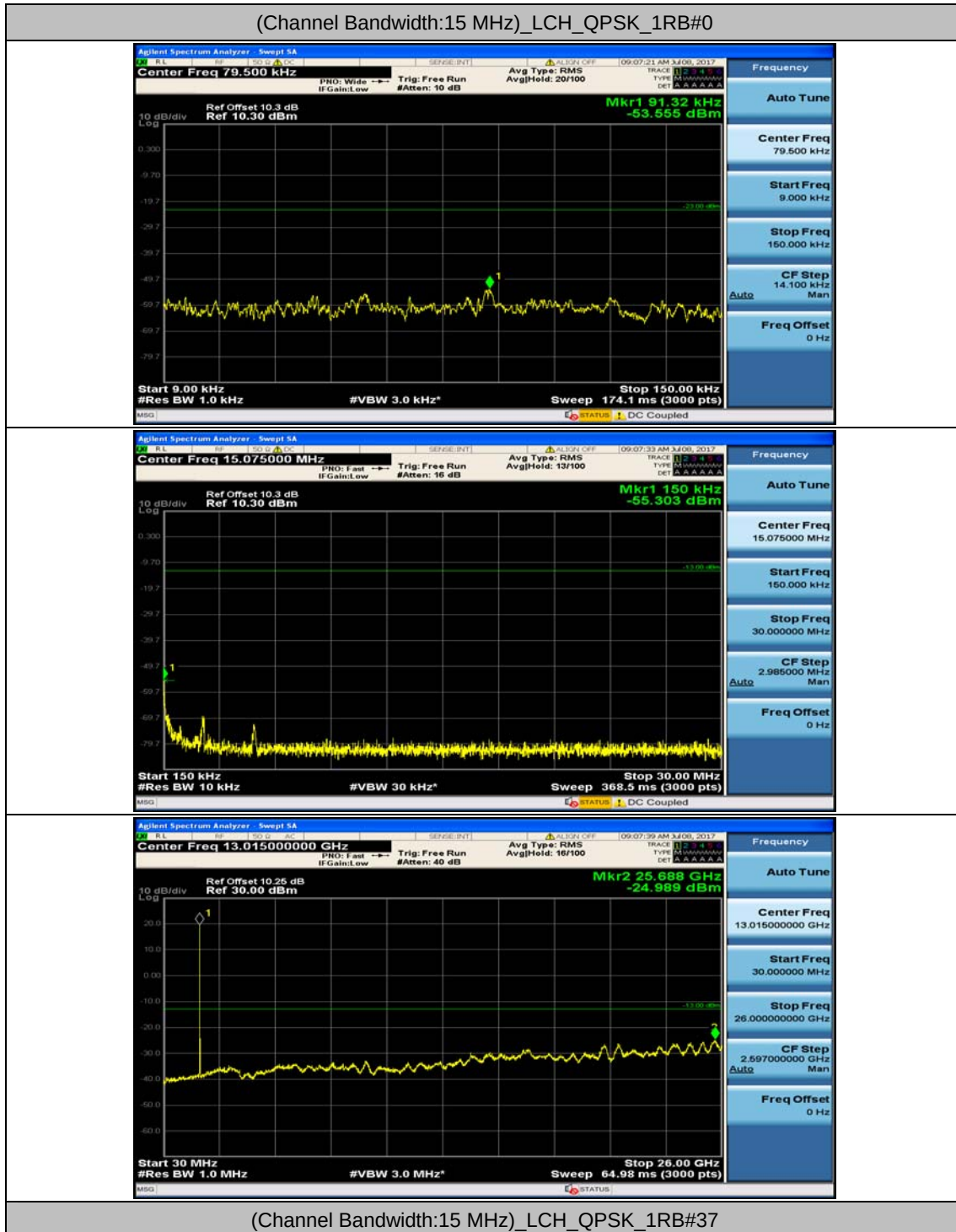


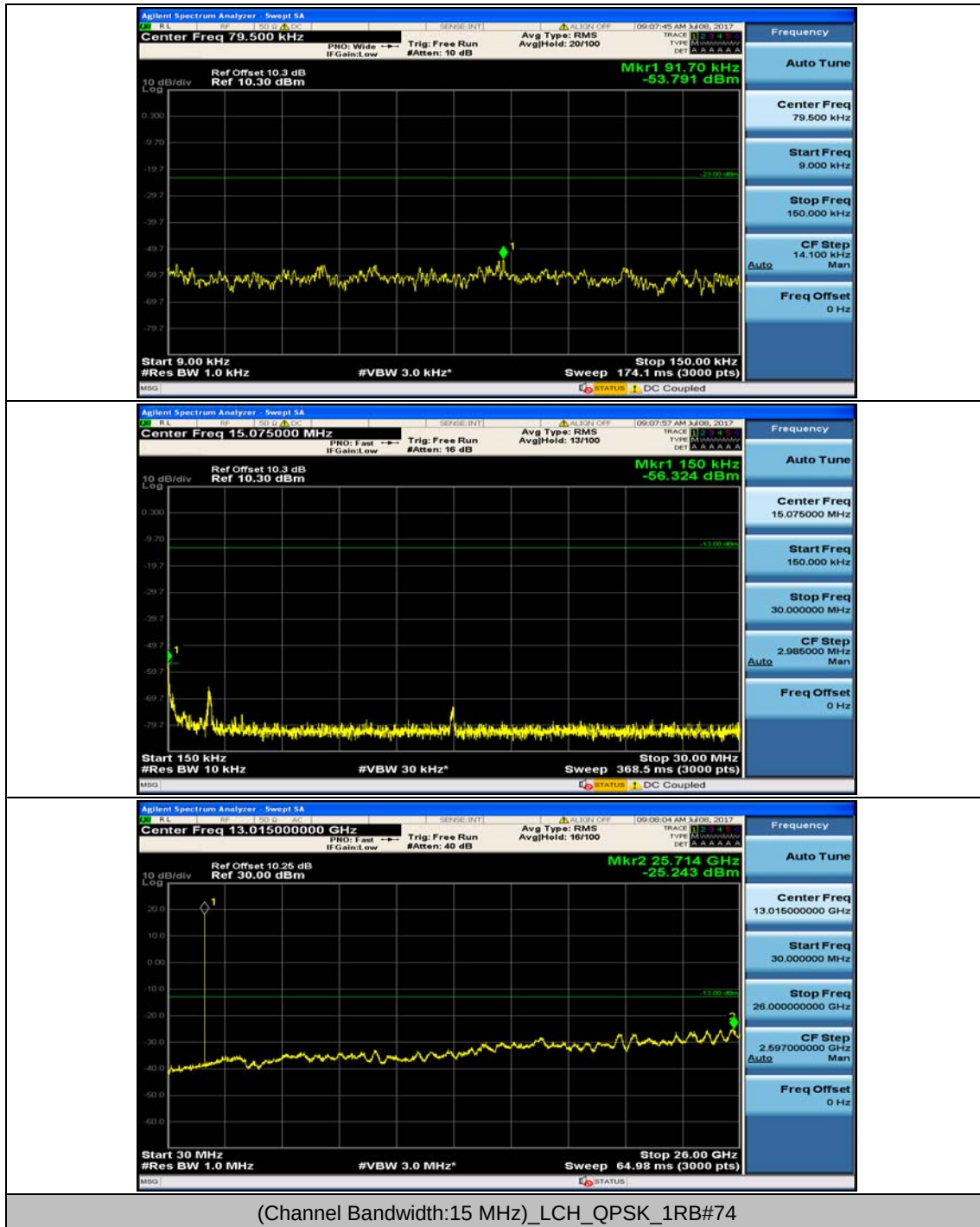


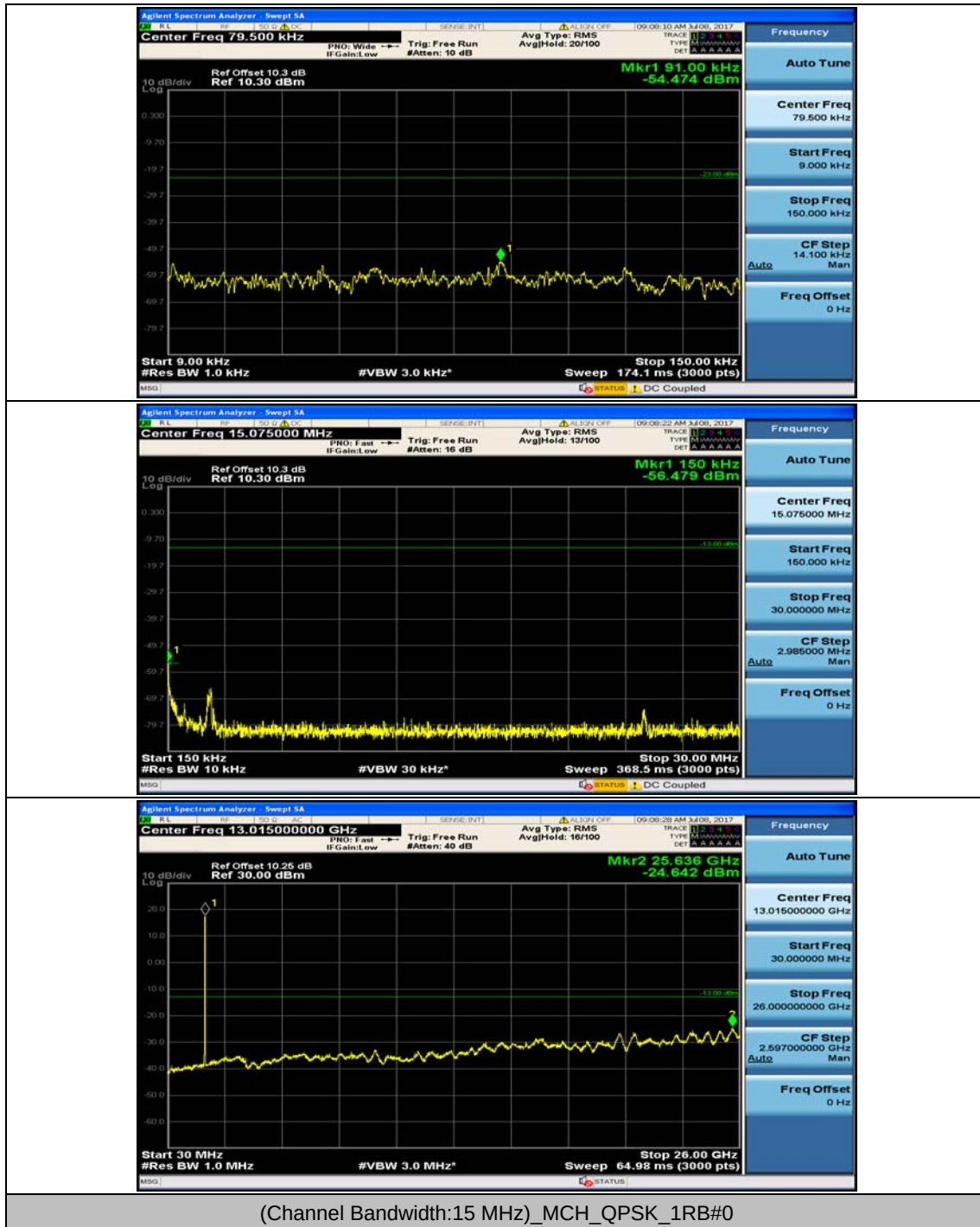


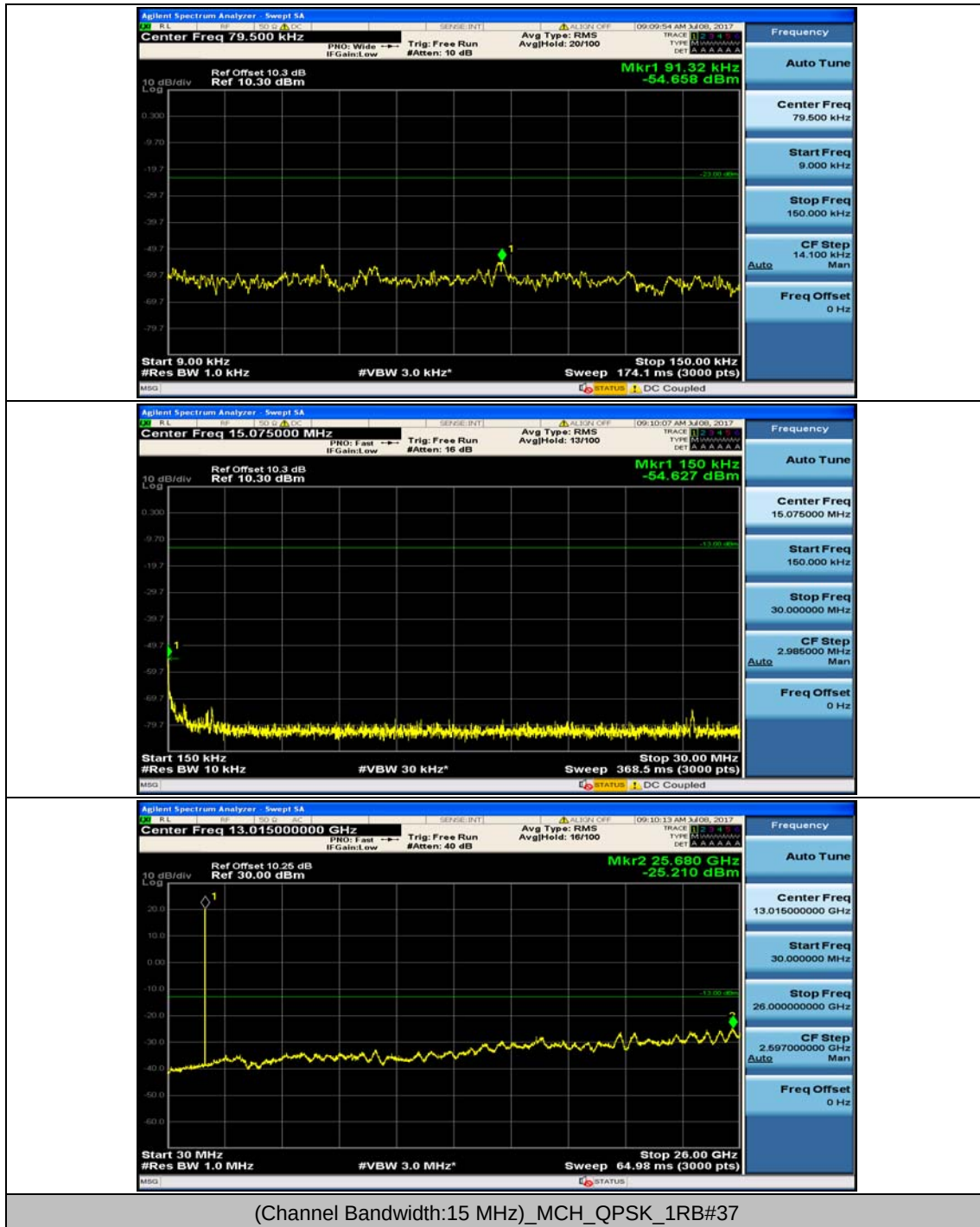


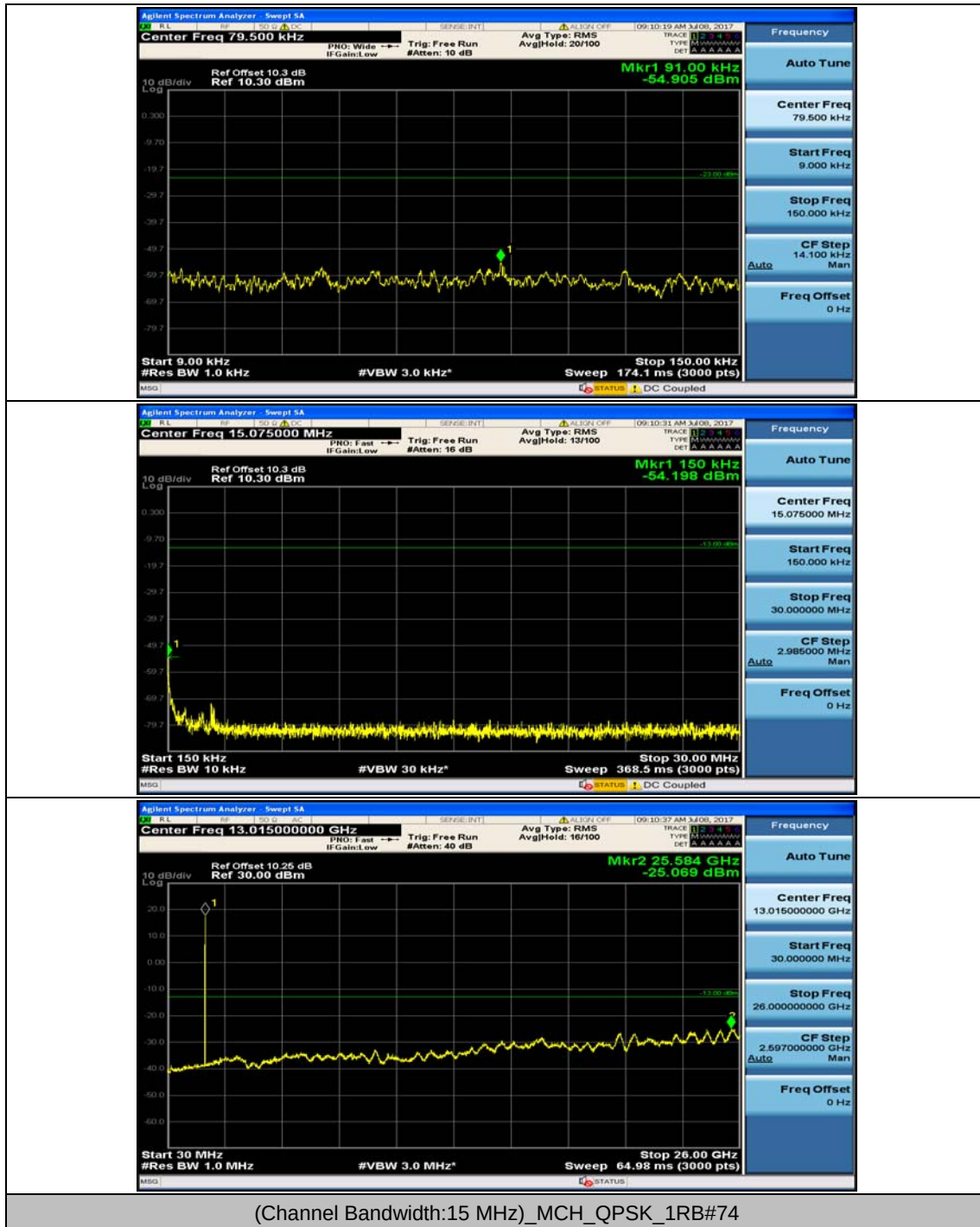
Channel Bandwidth: 15 MHz

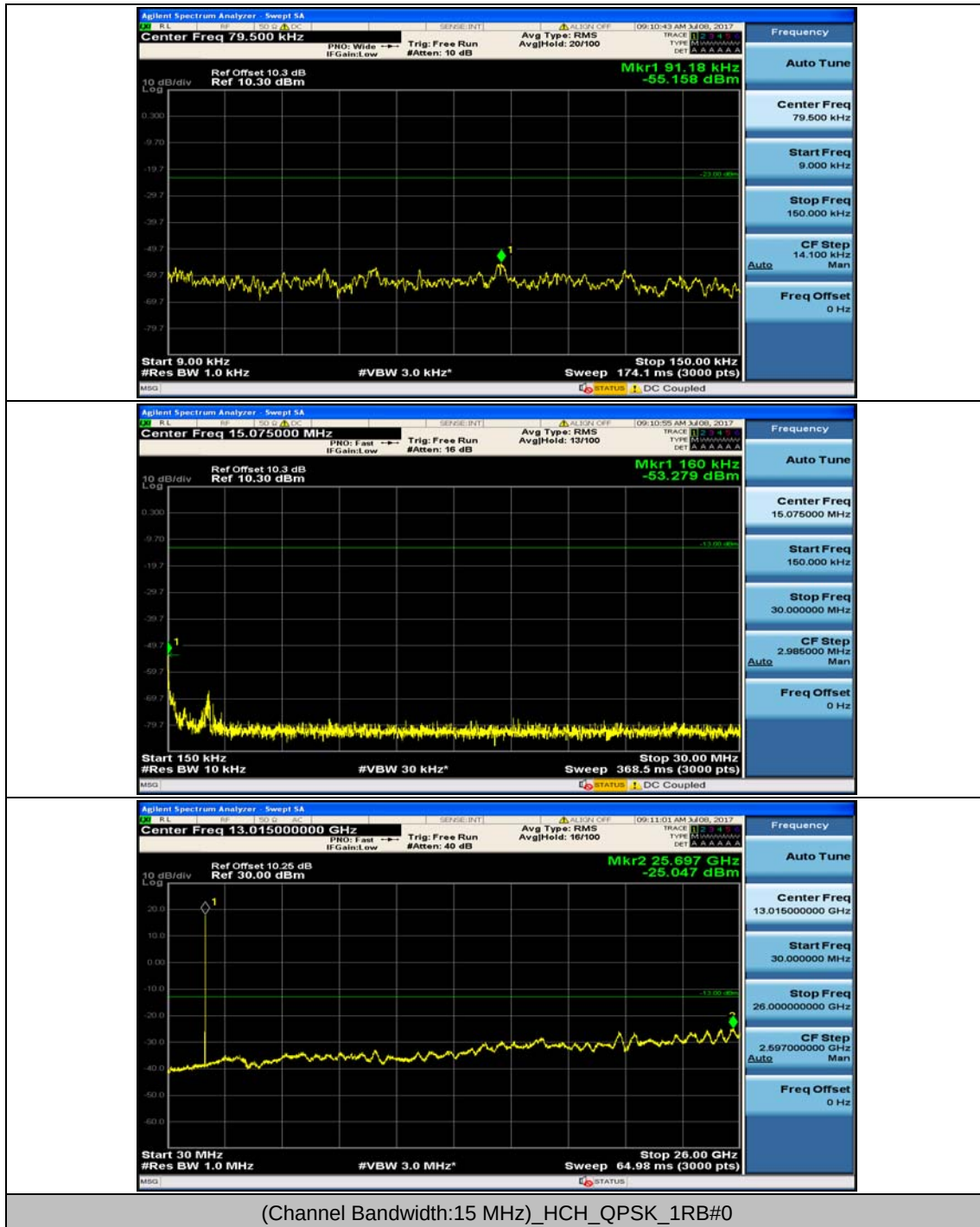


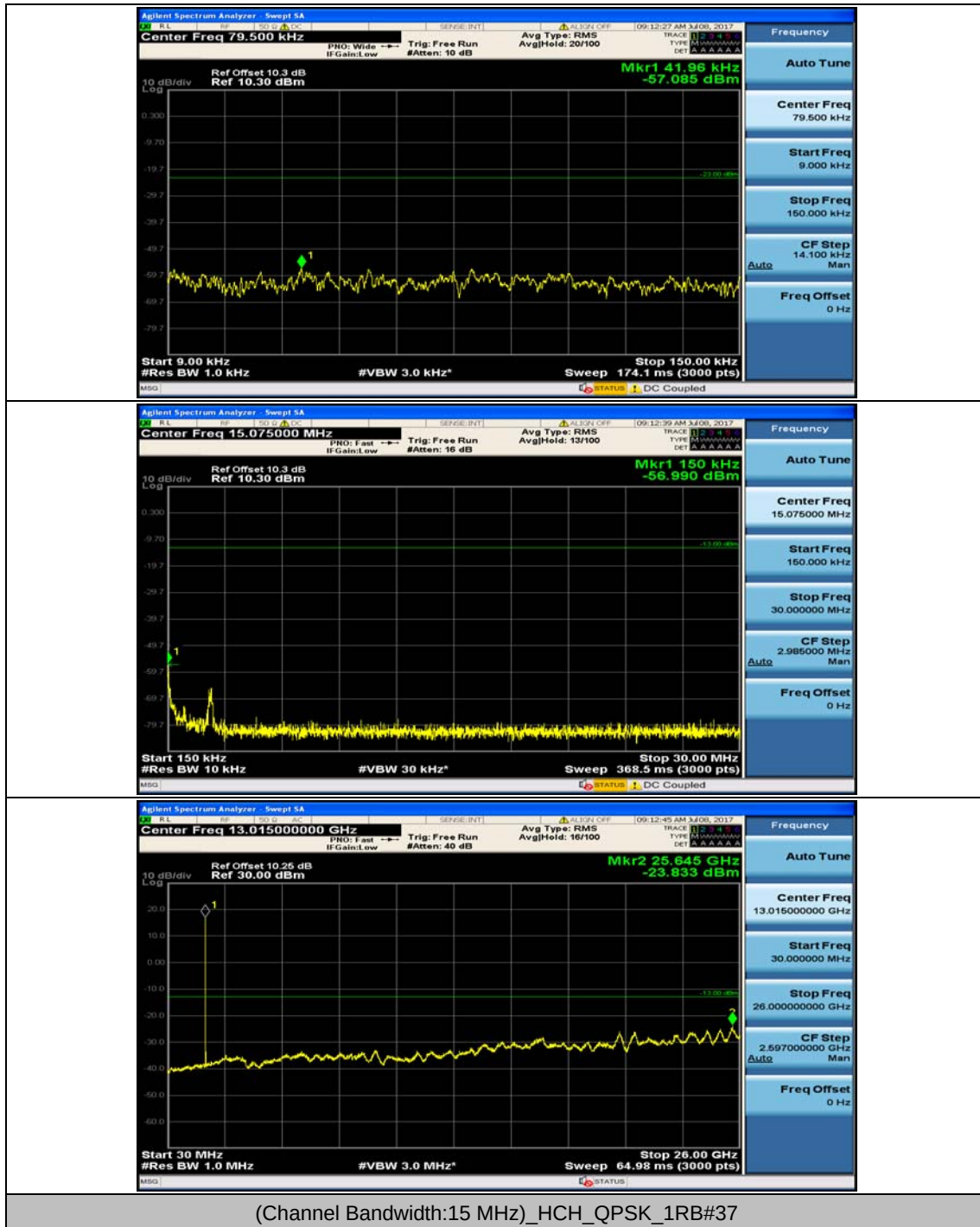


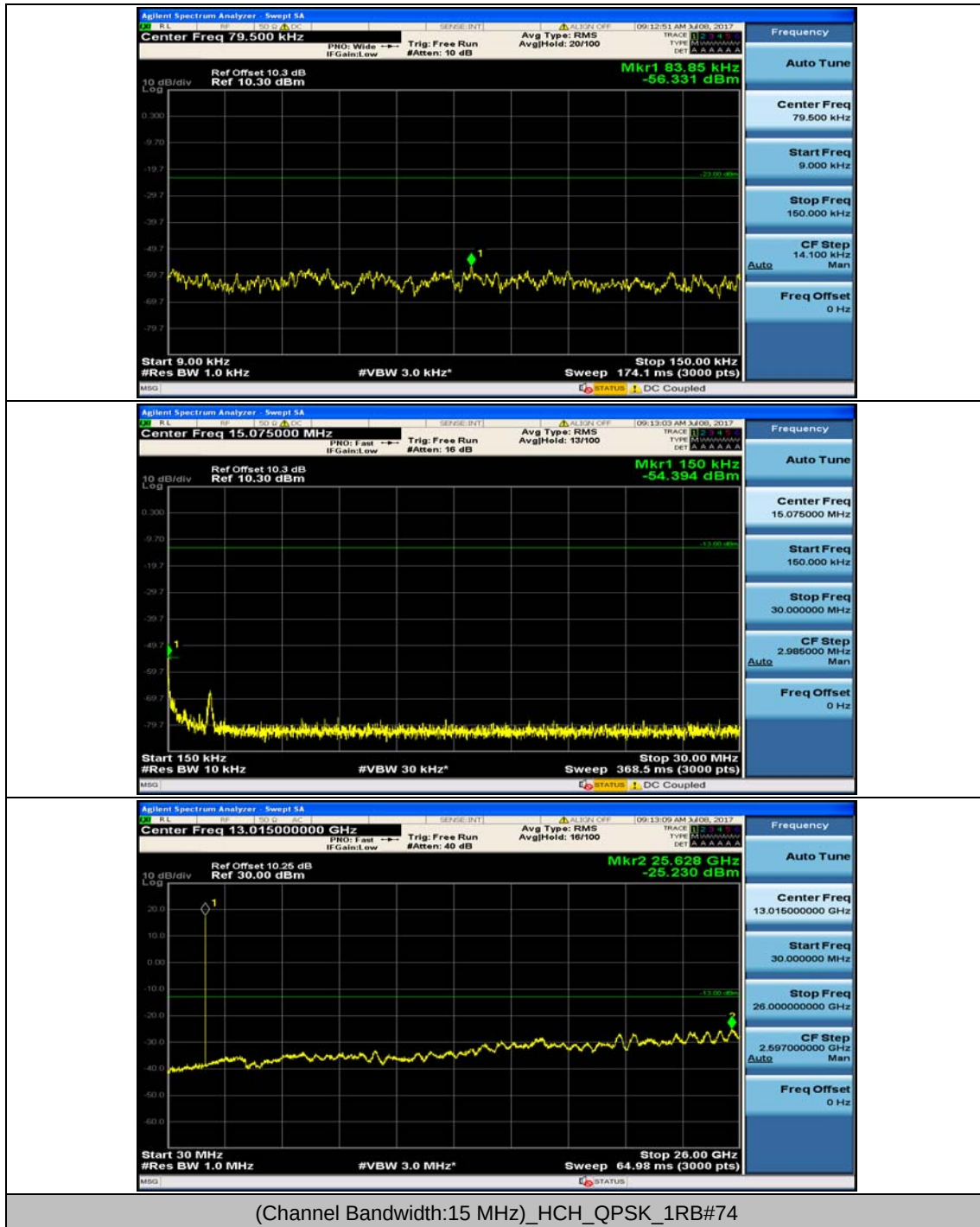


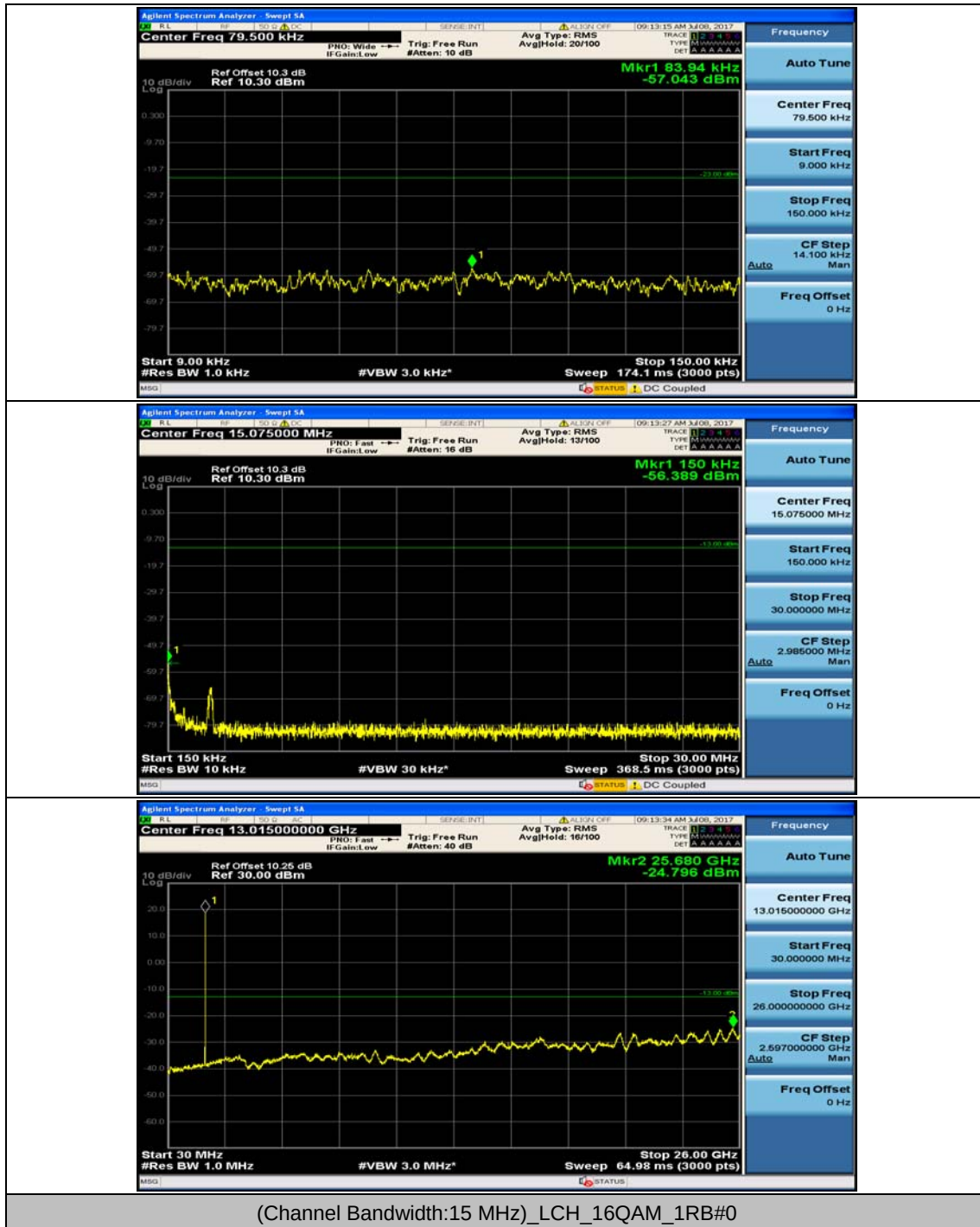


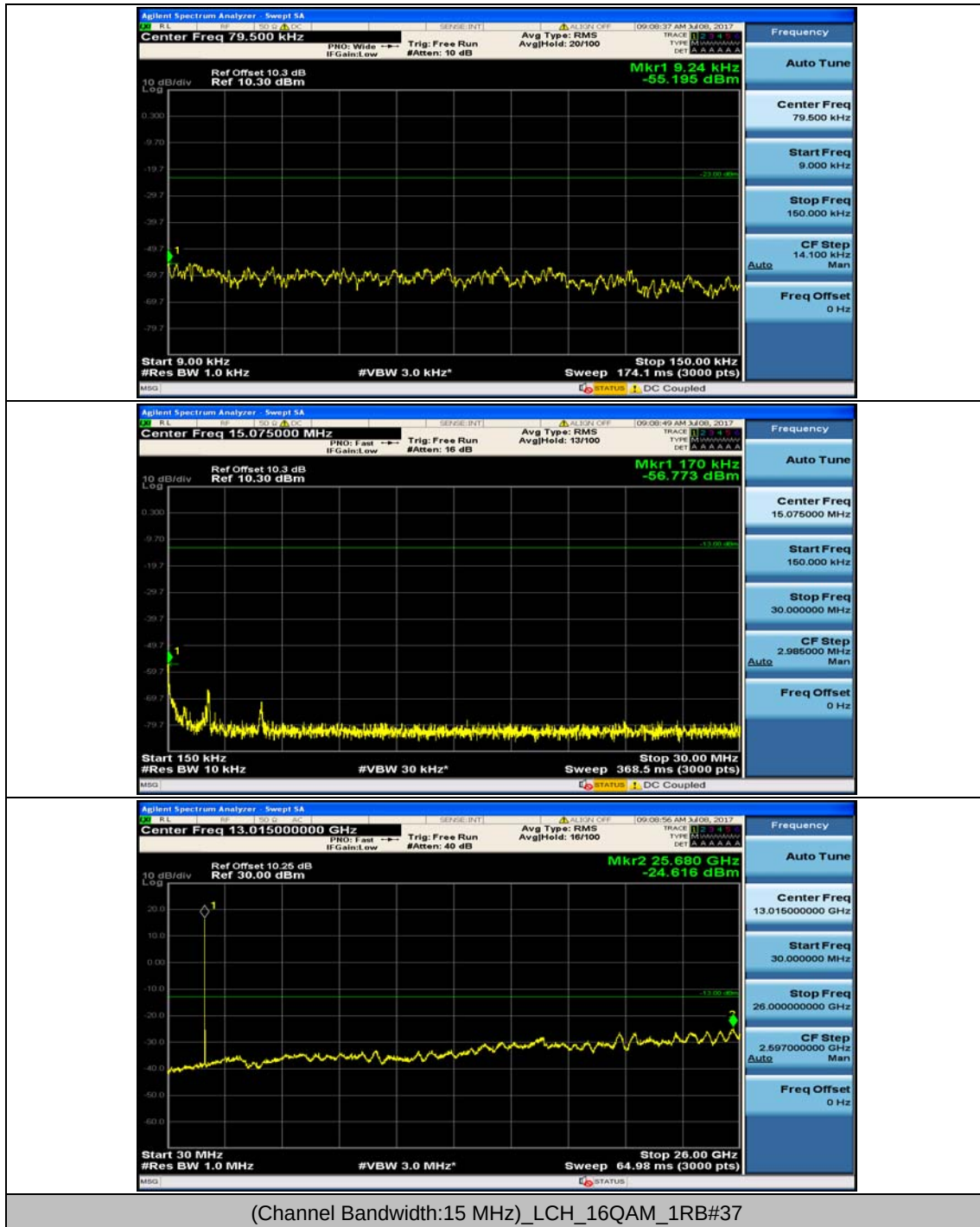


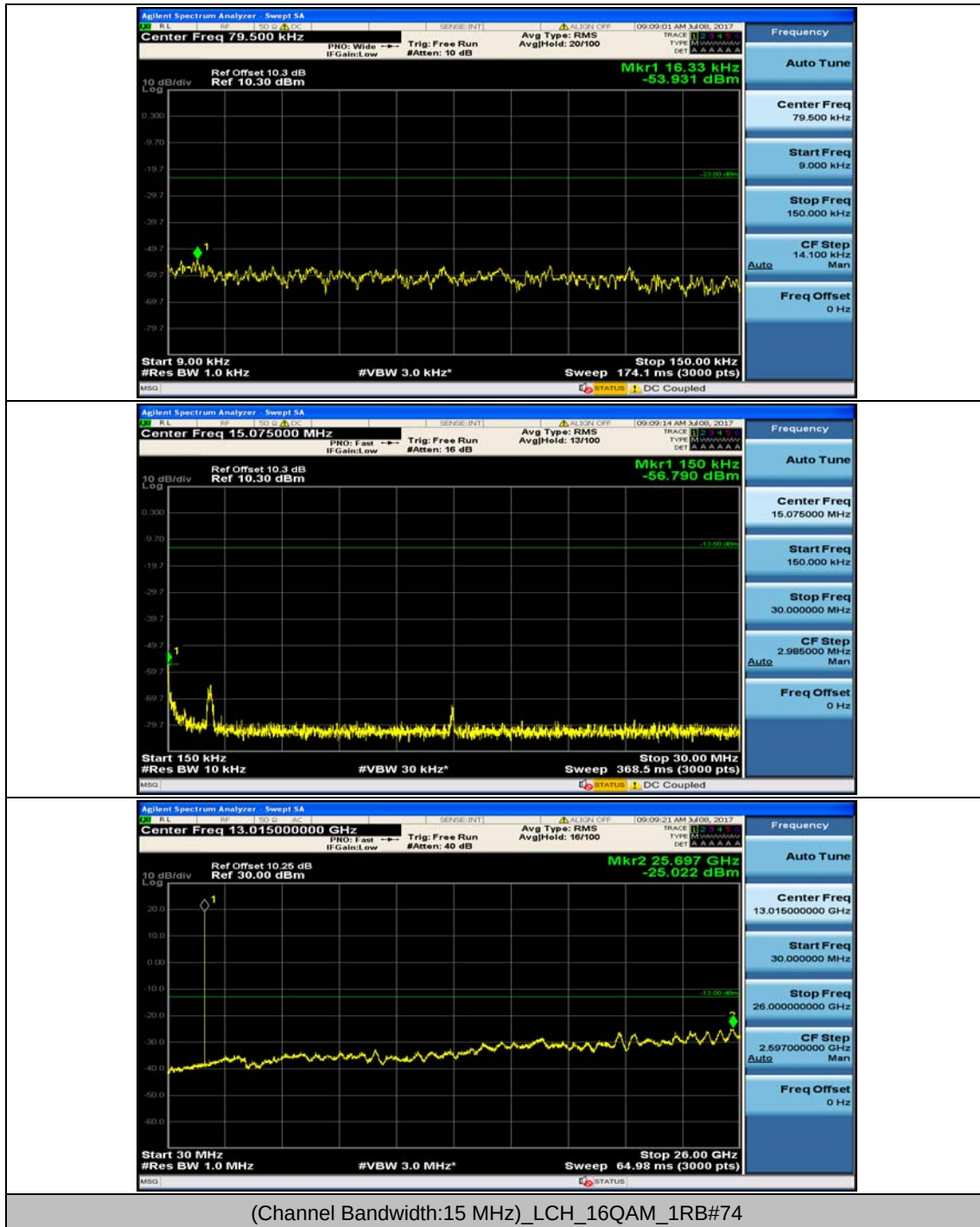


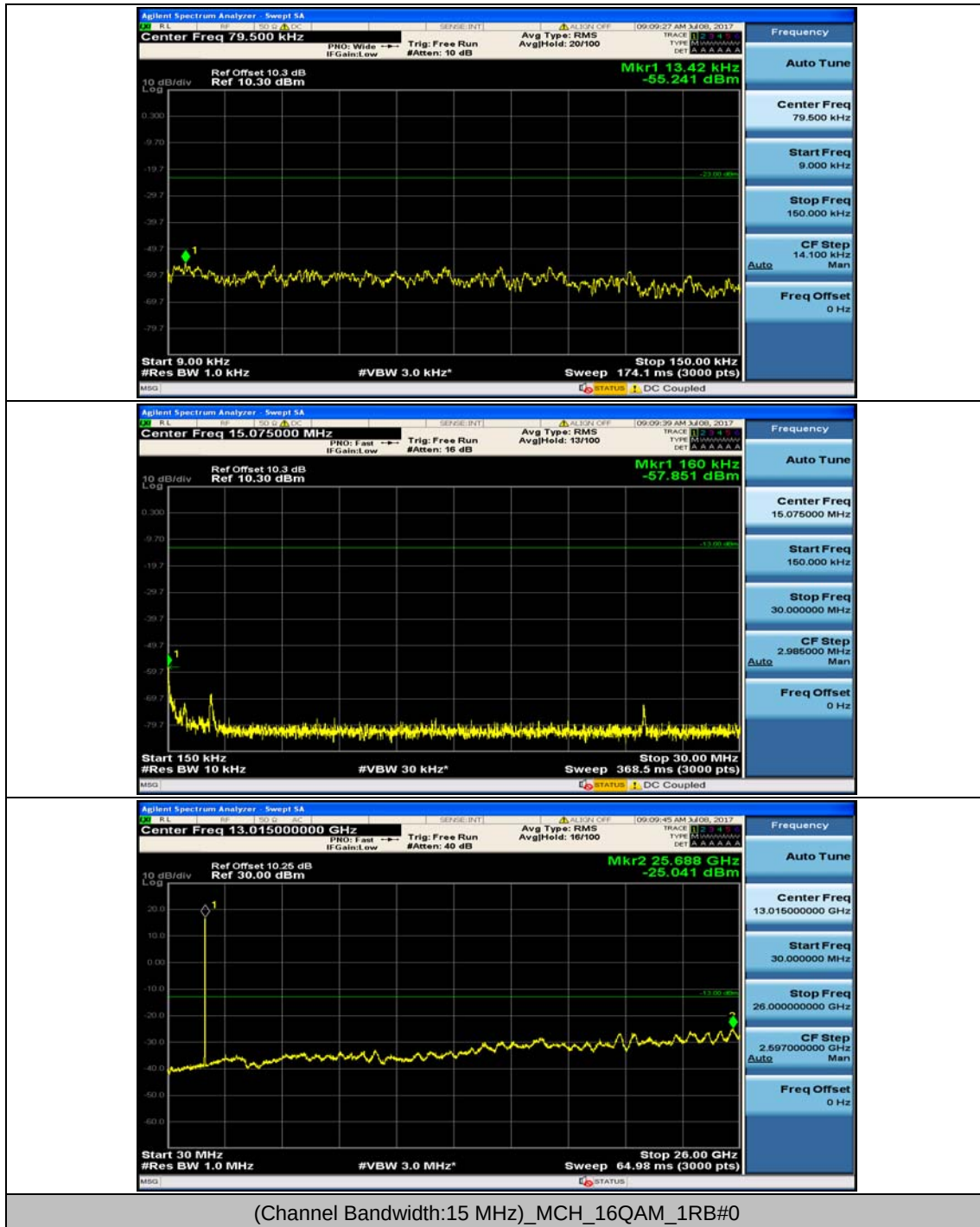


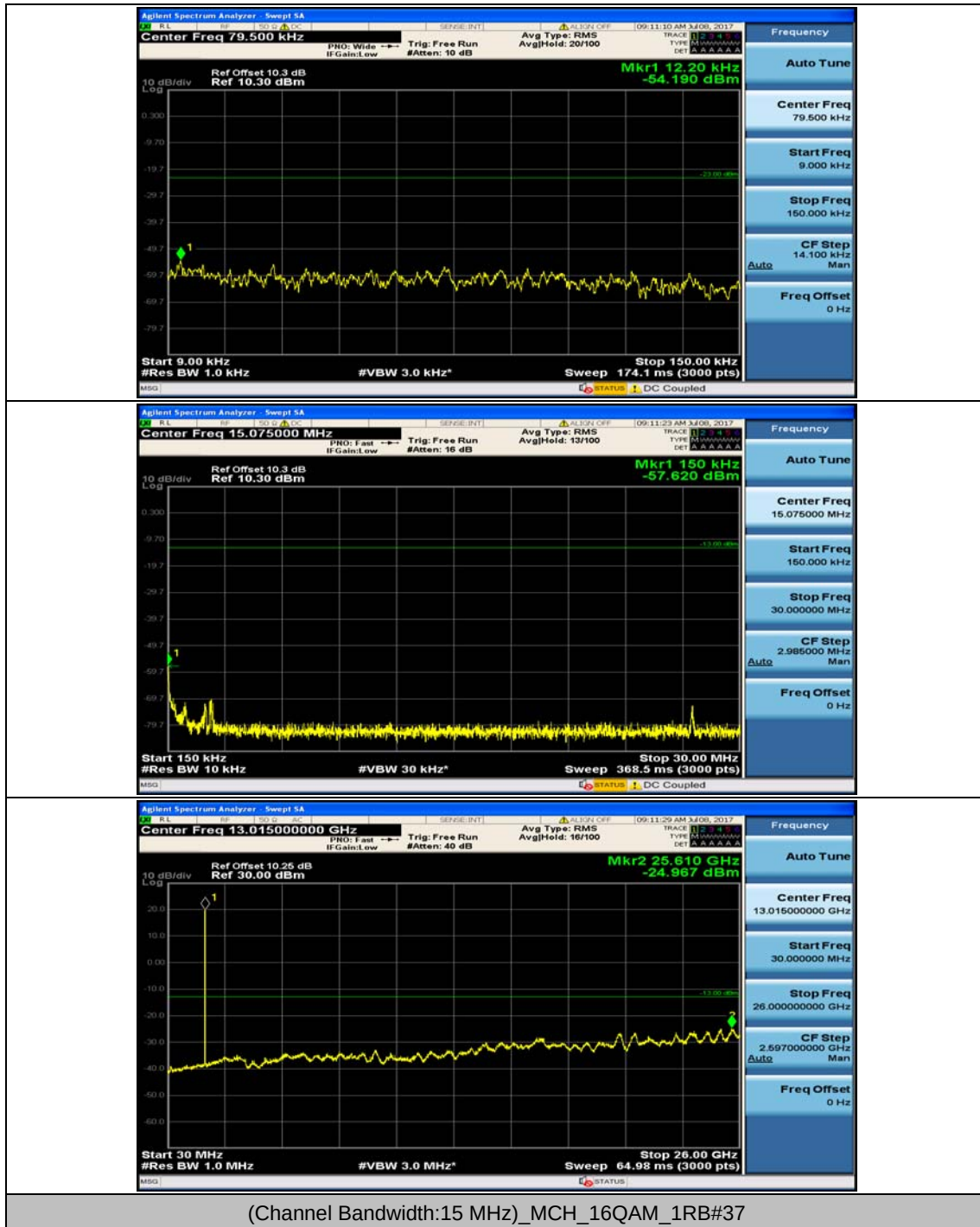


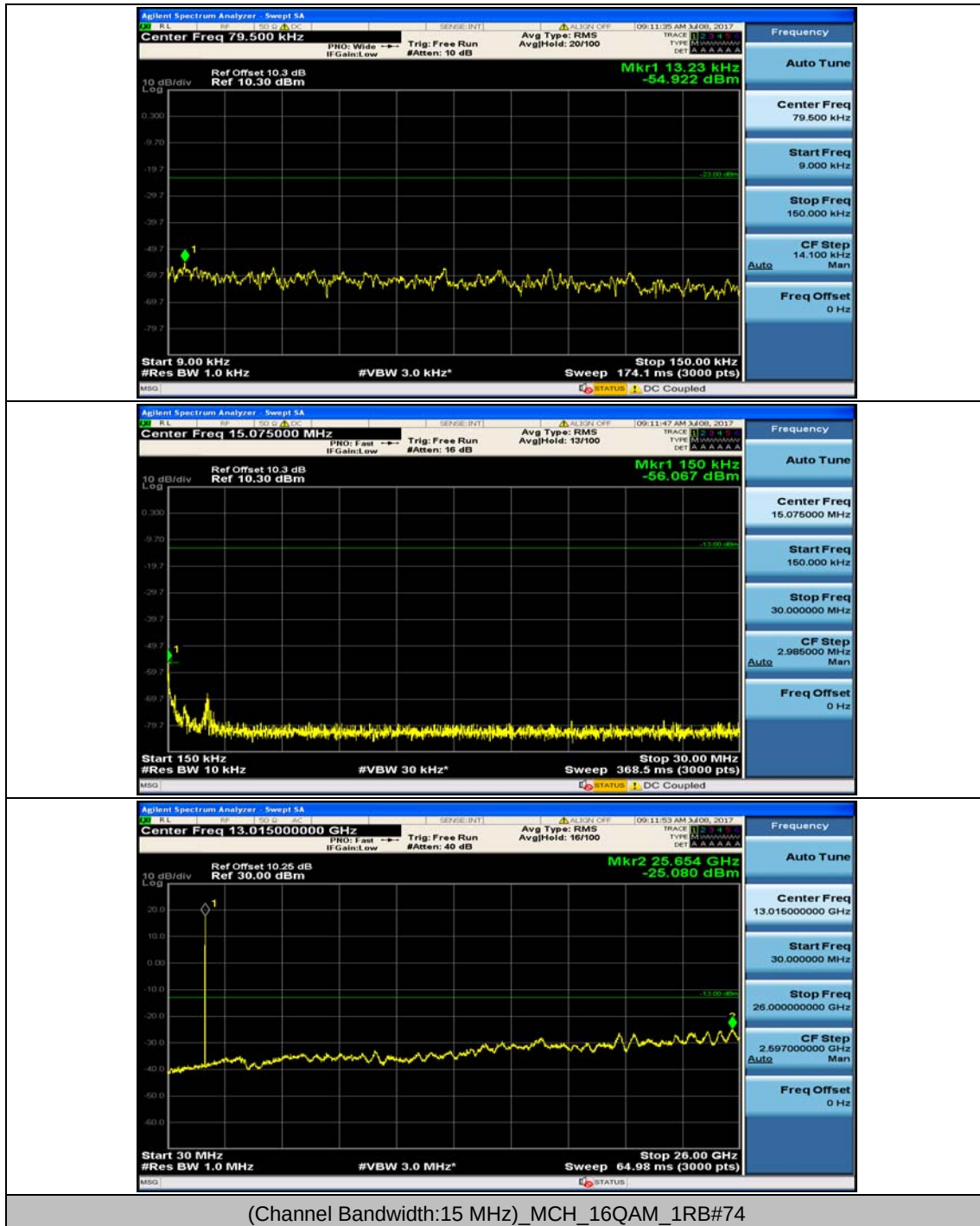


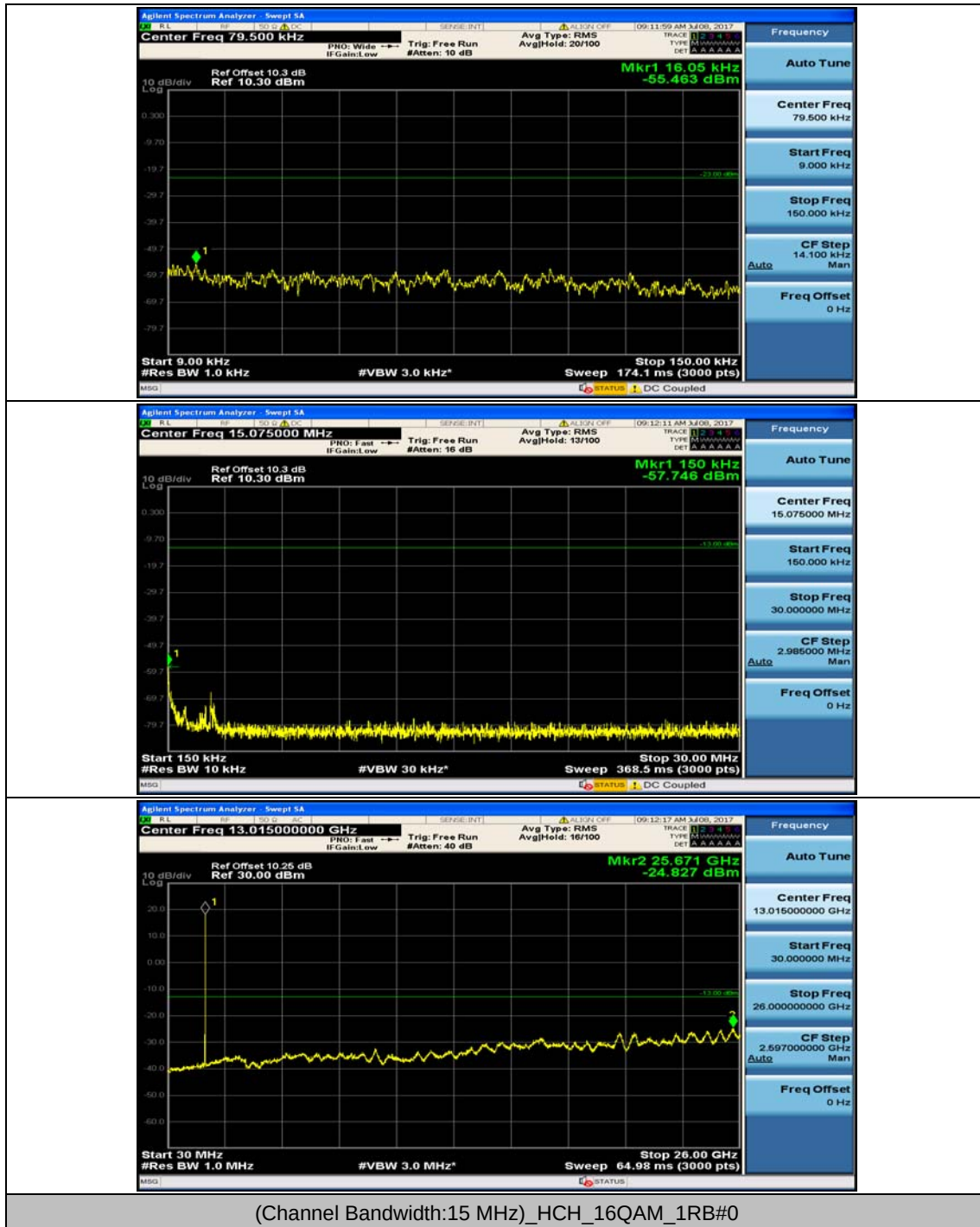


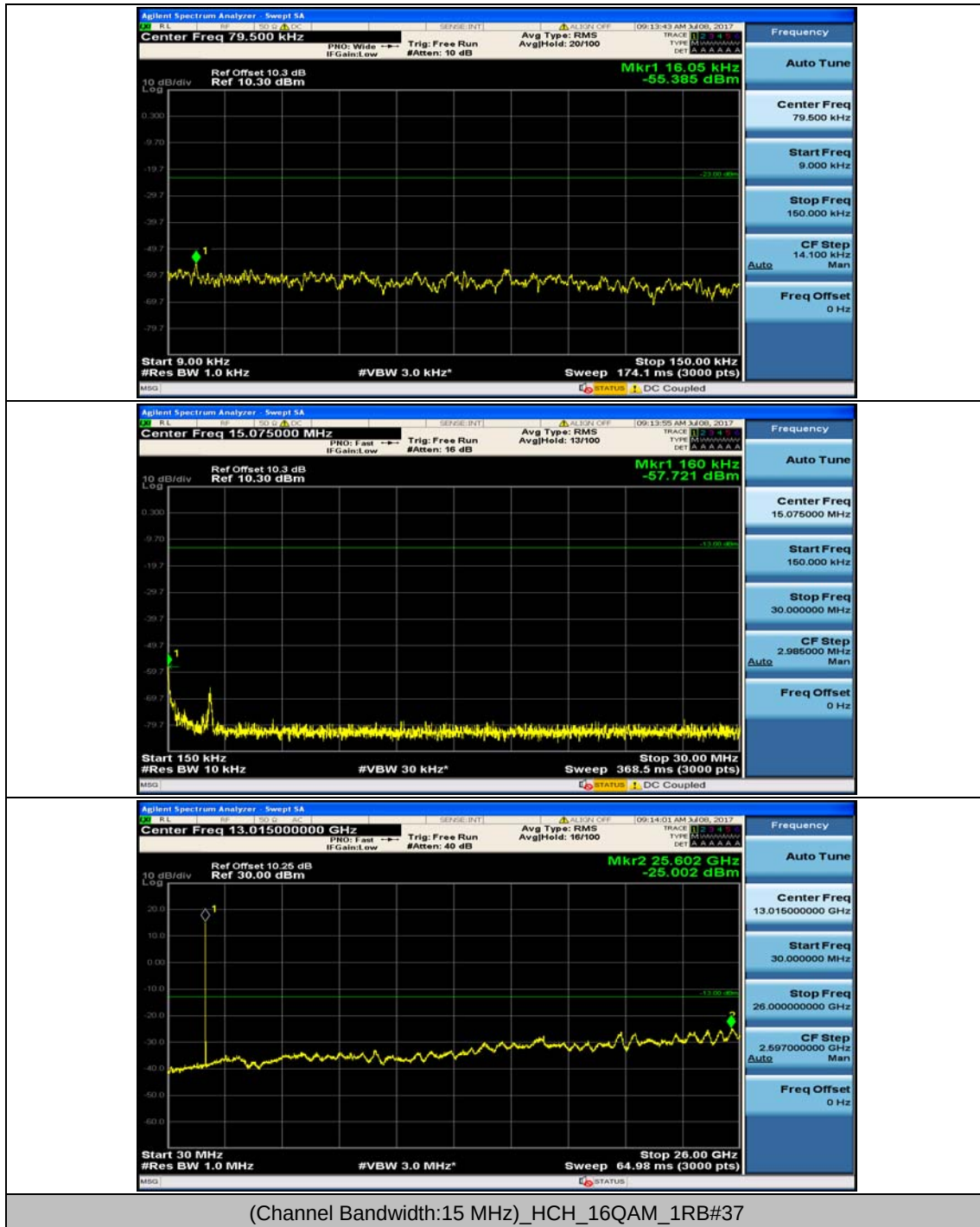


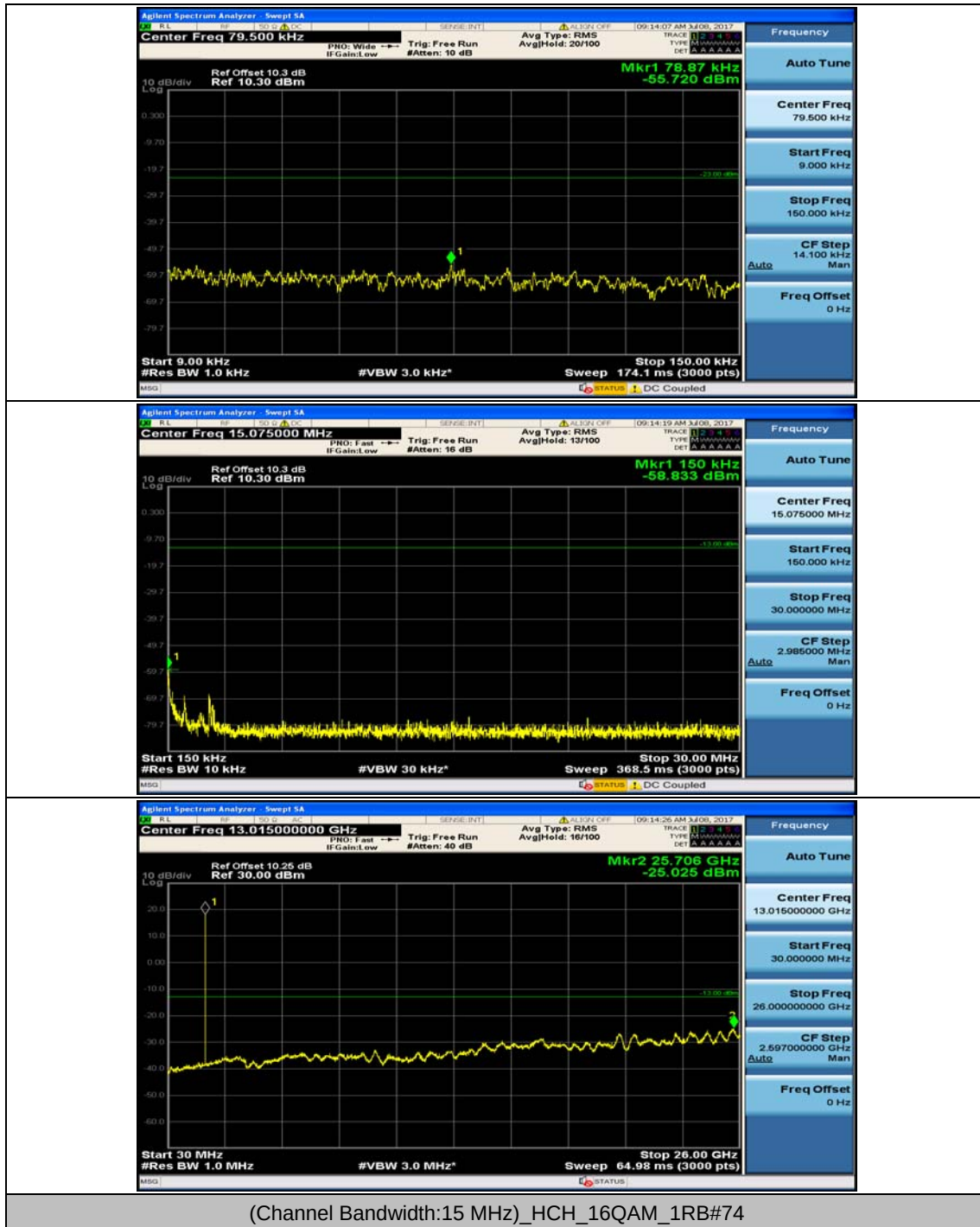


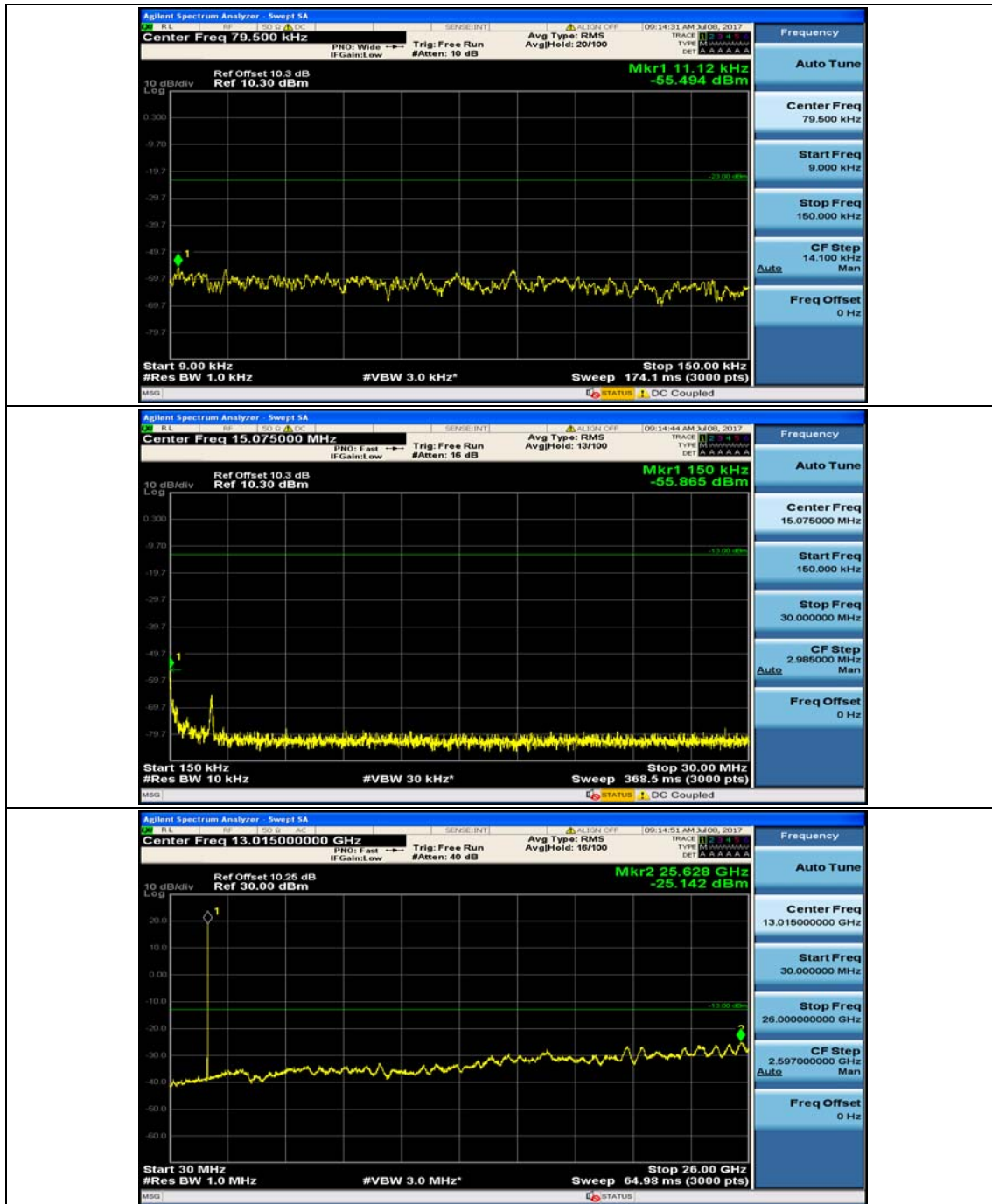




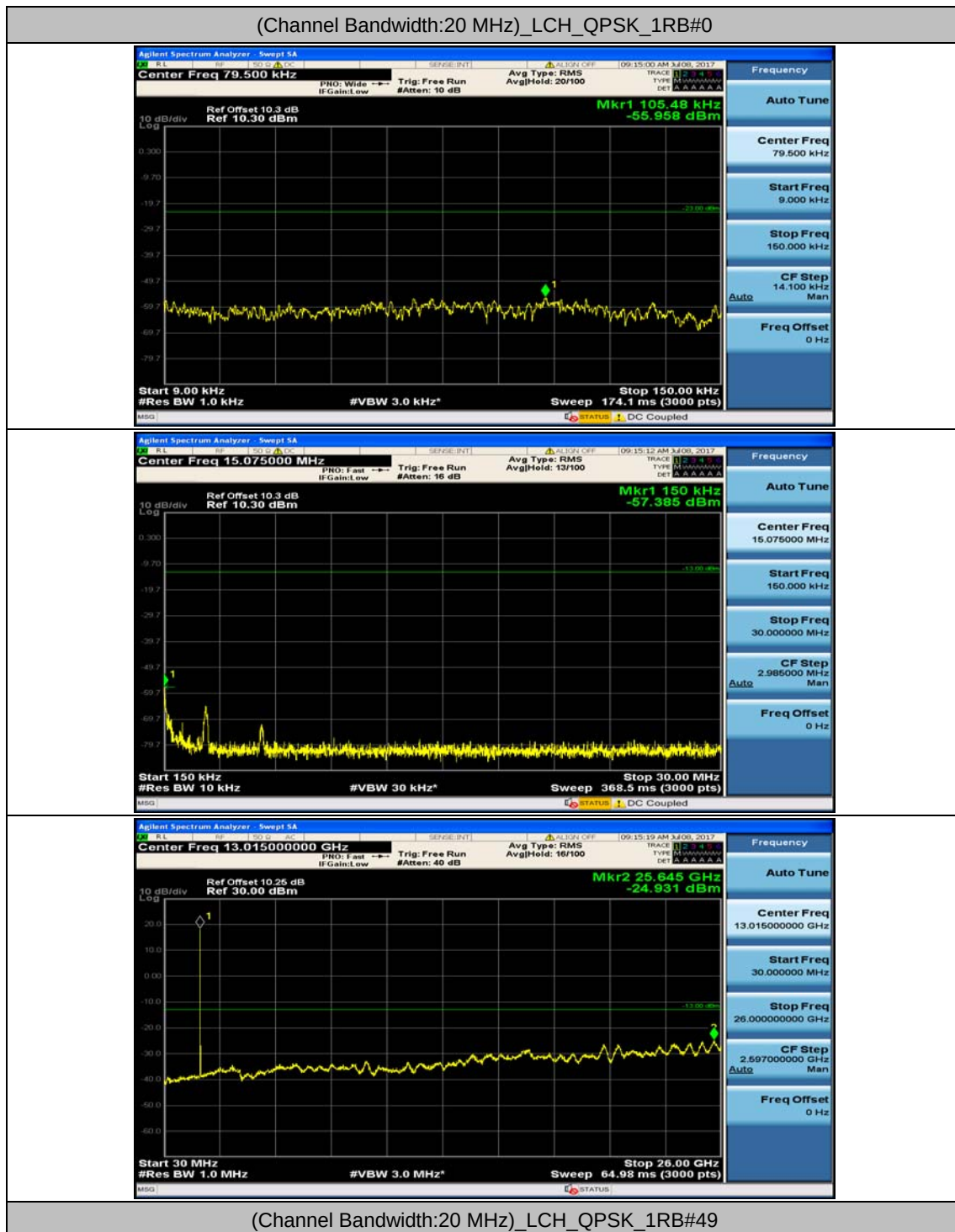


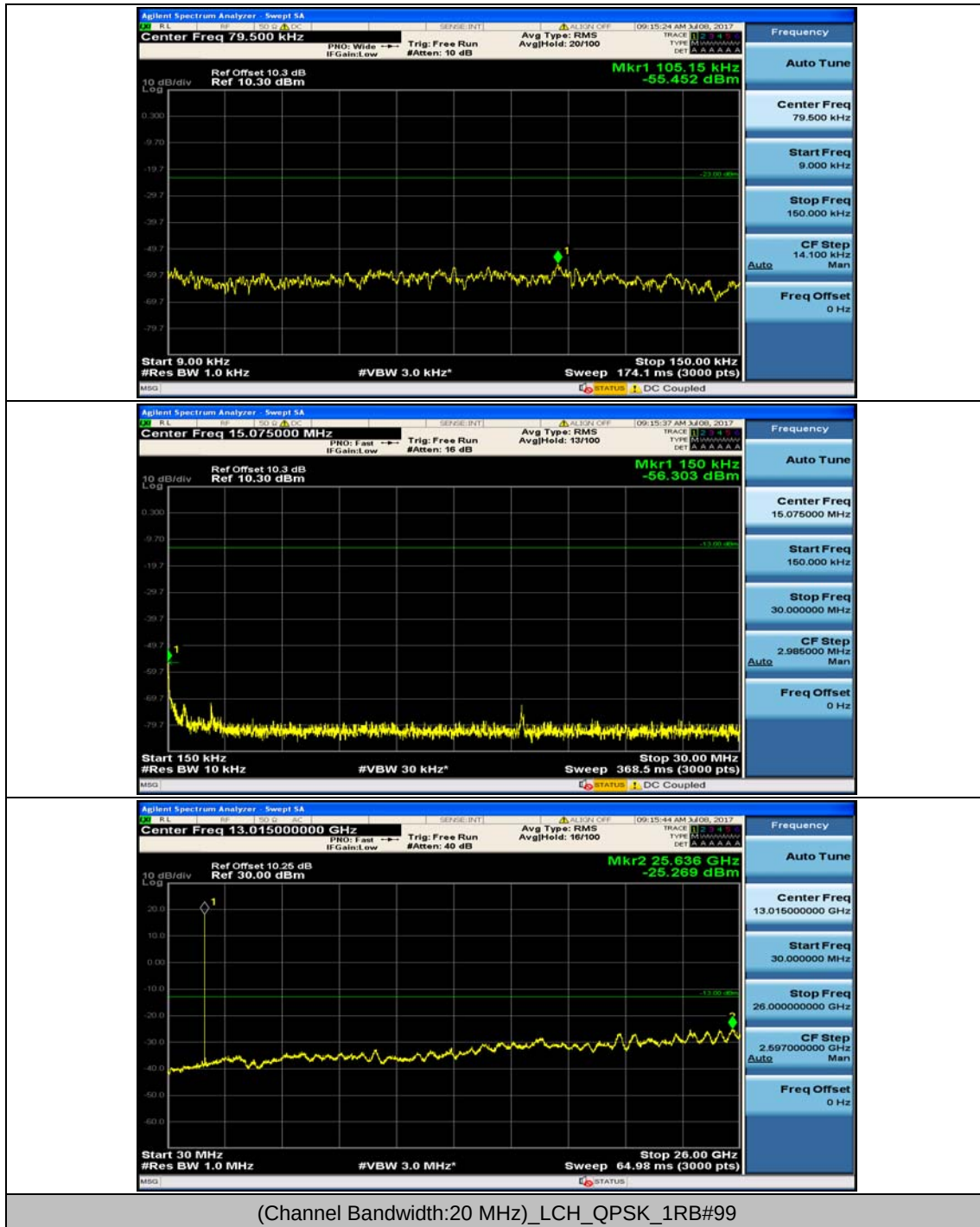


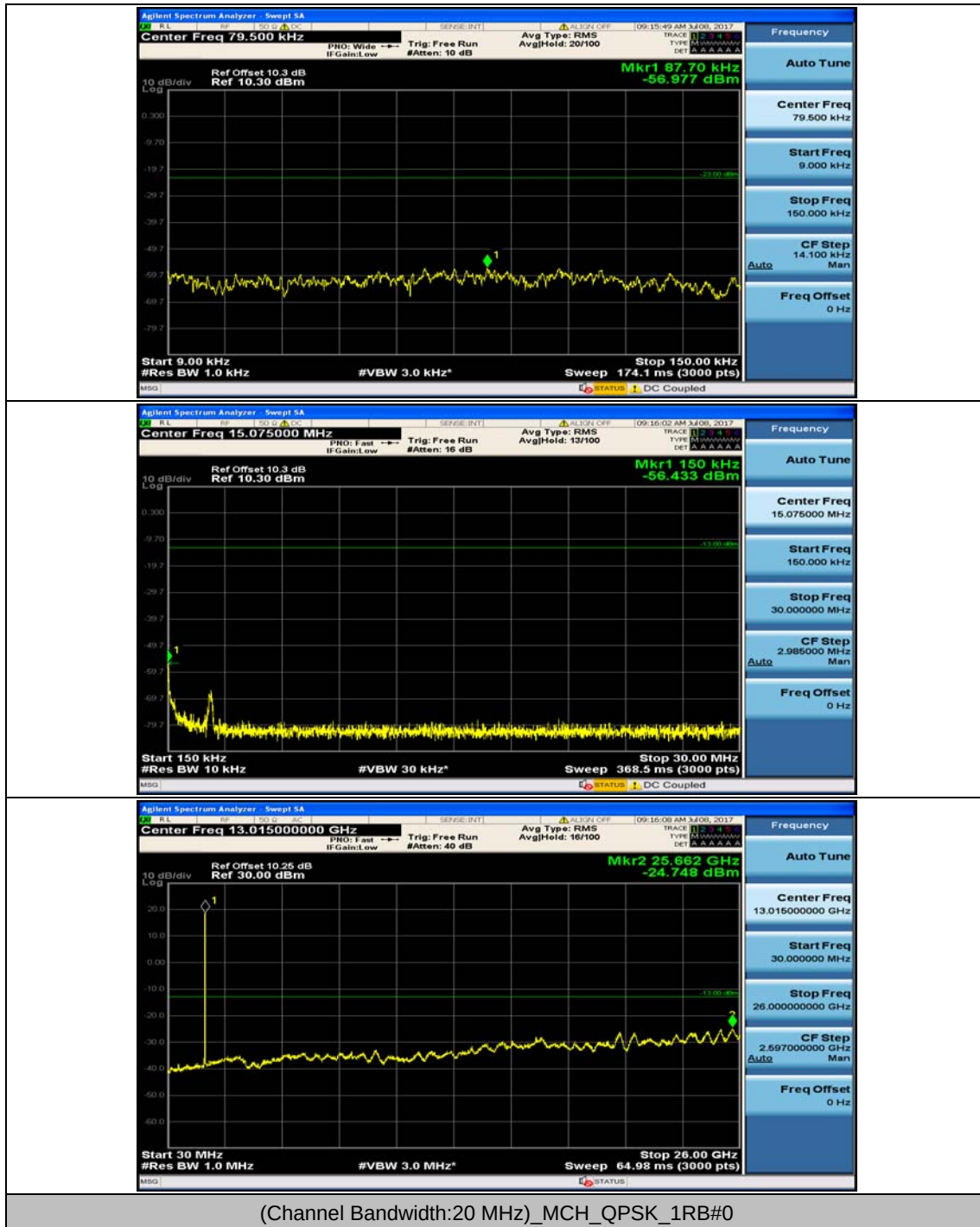


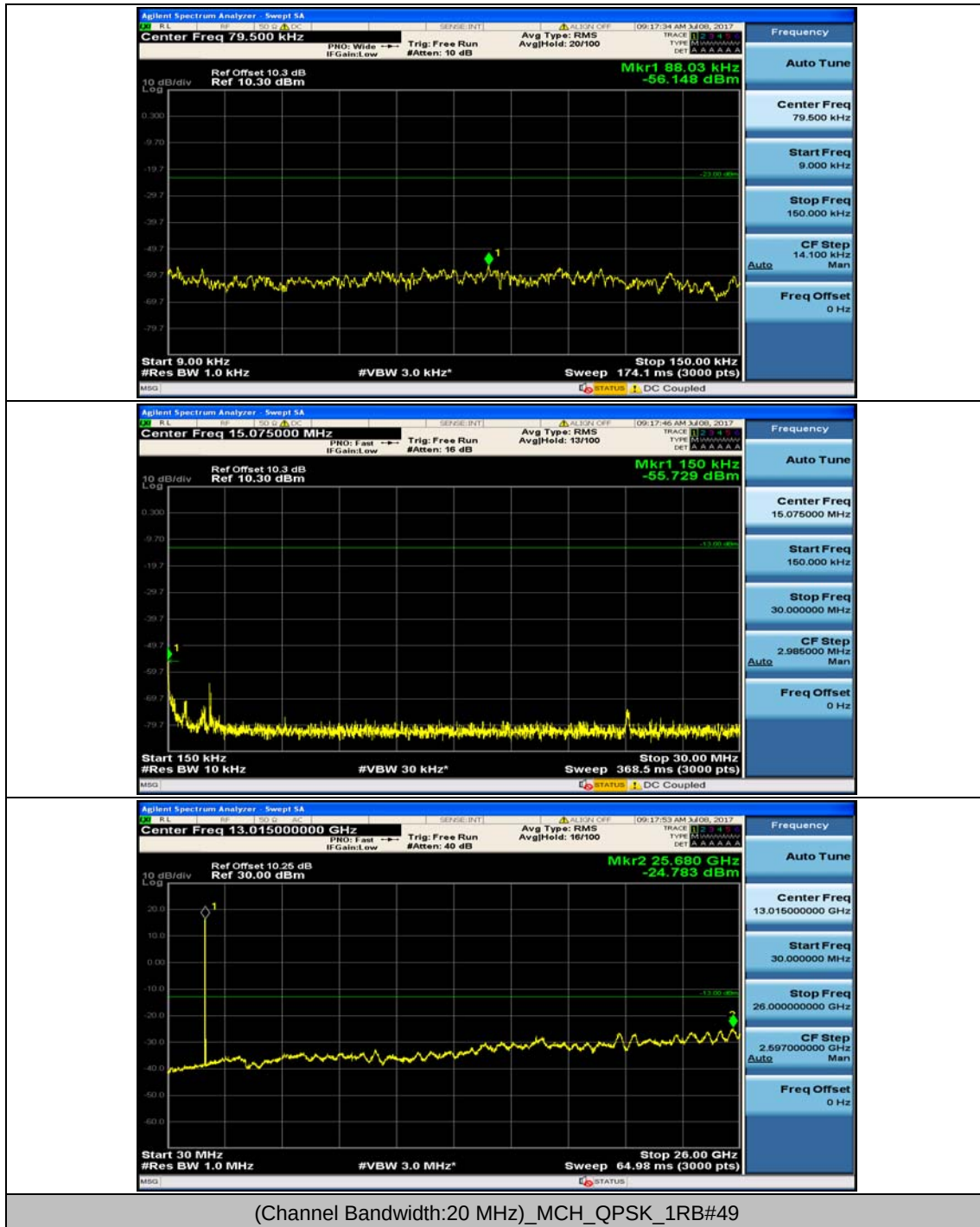


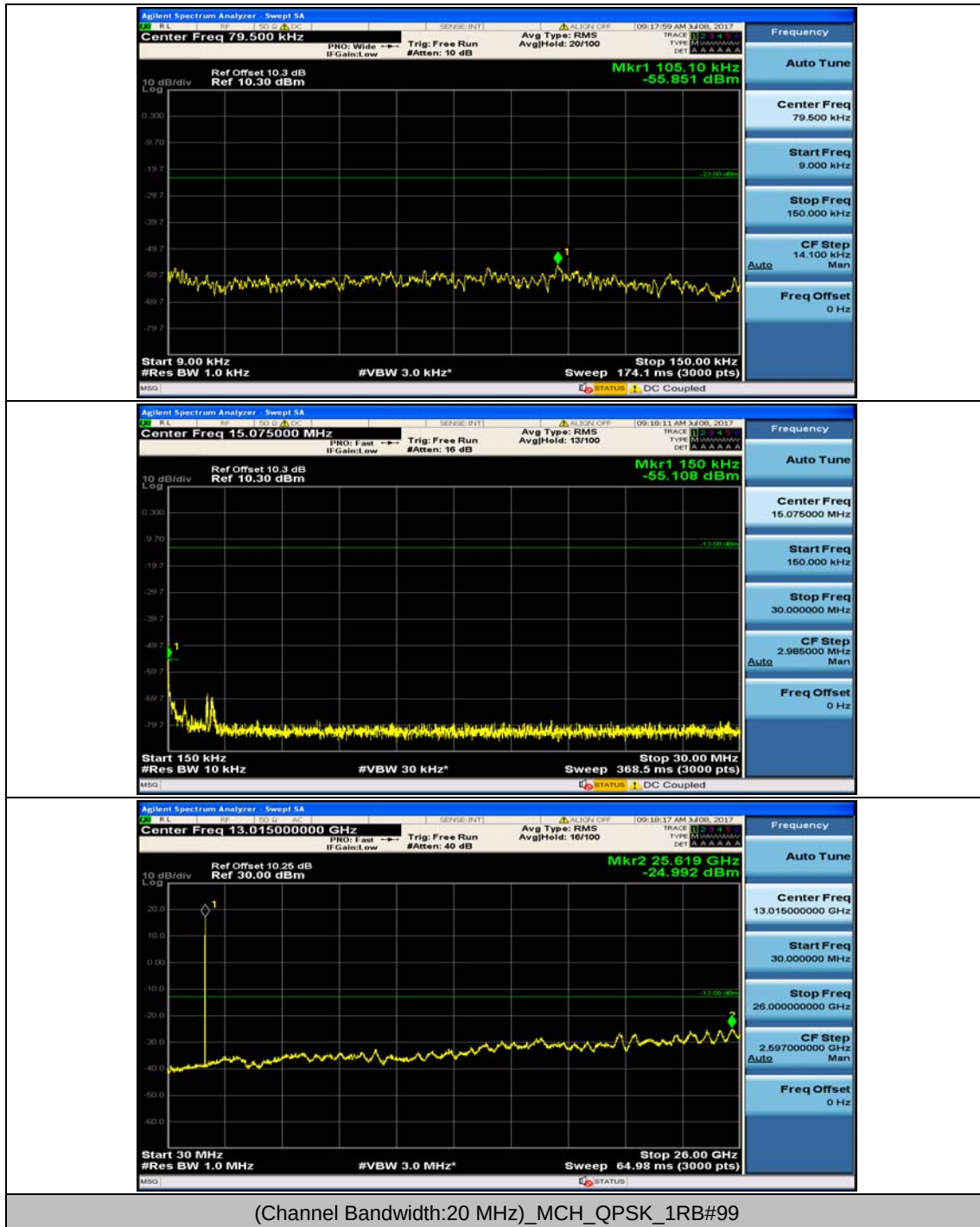
Channel Bandwidth: 20 MHz

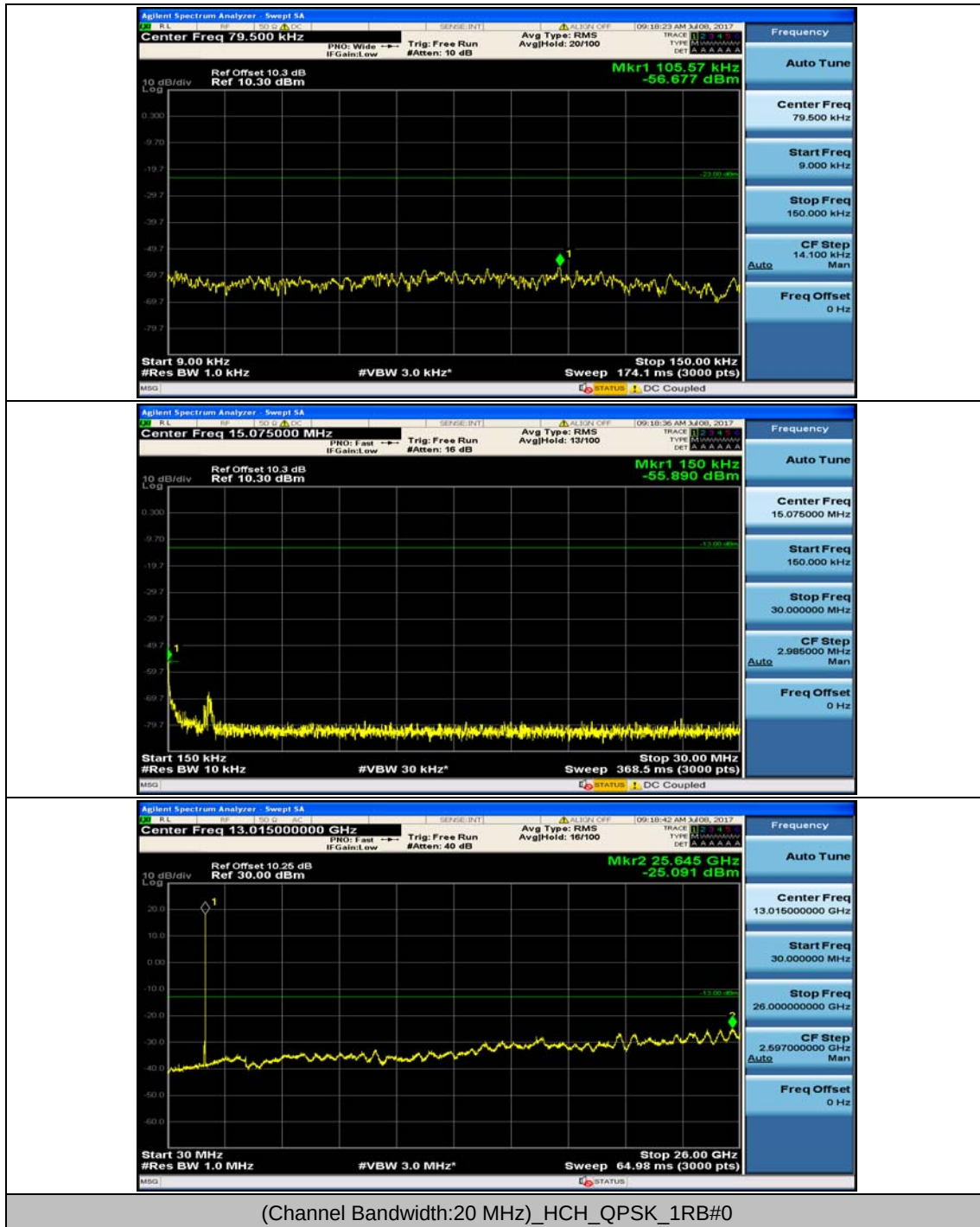


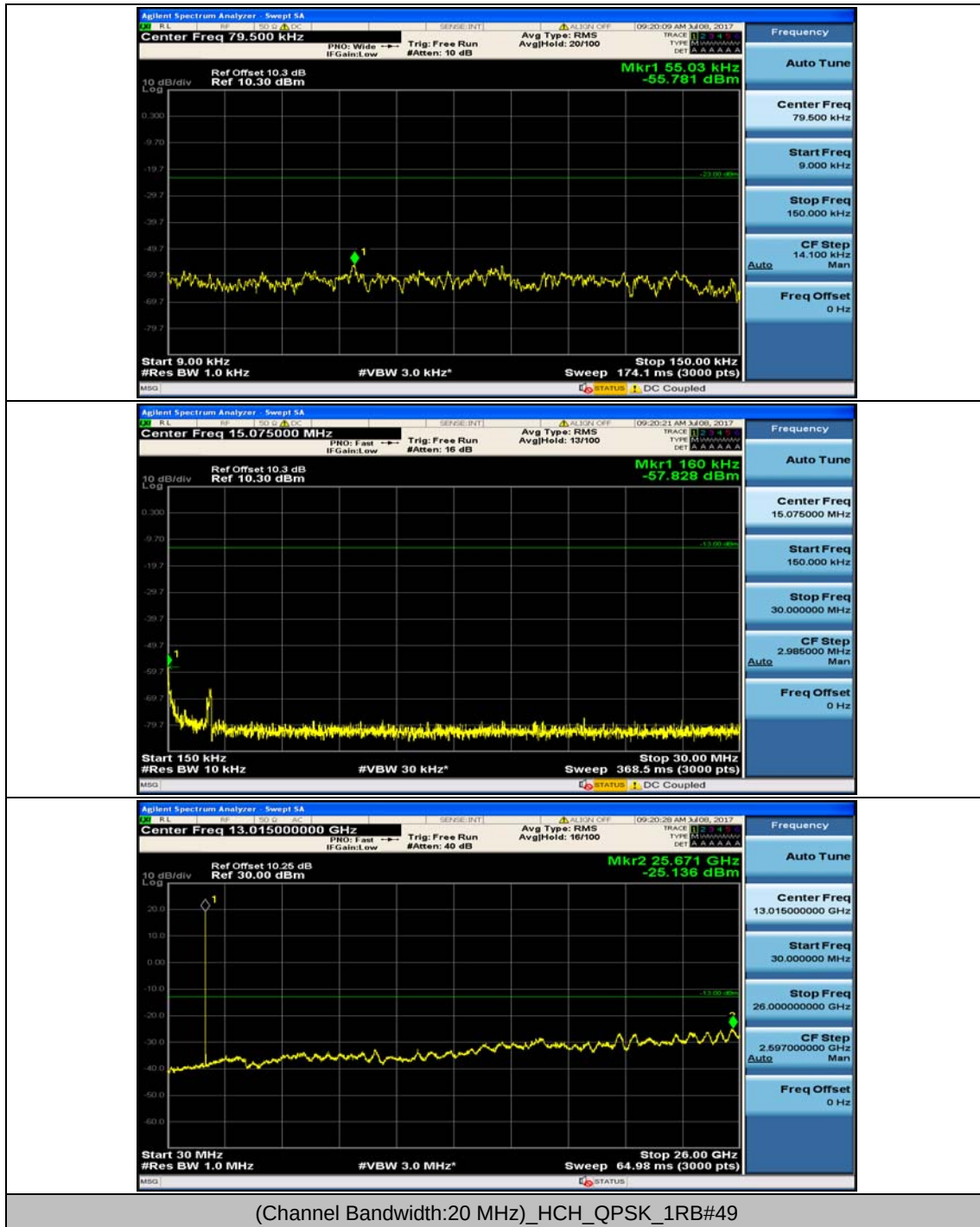


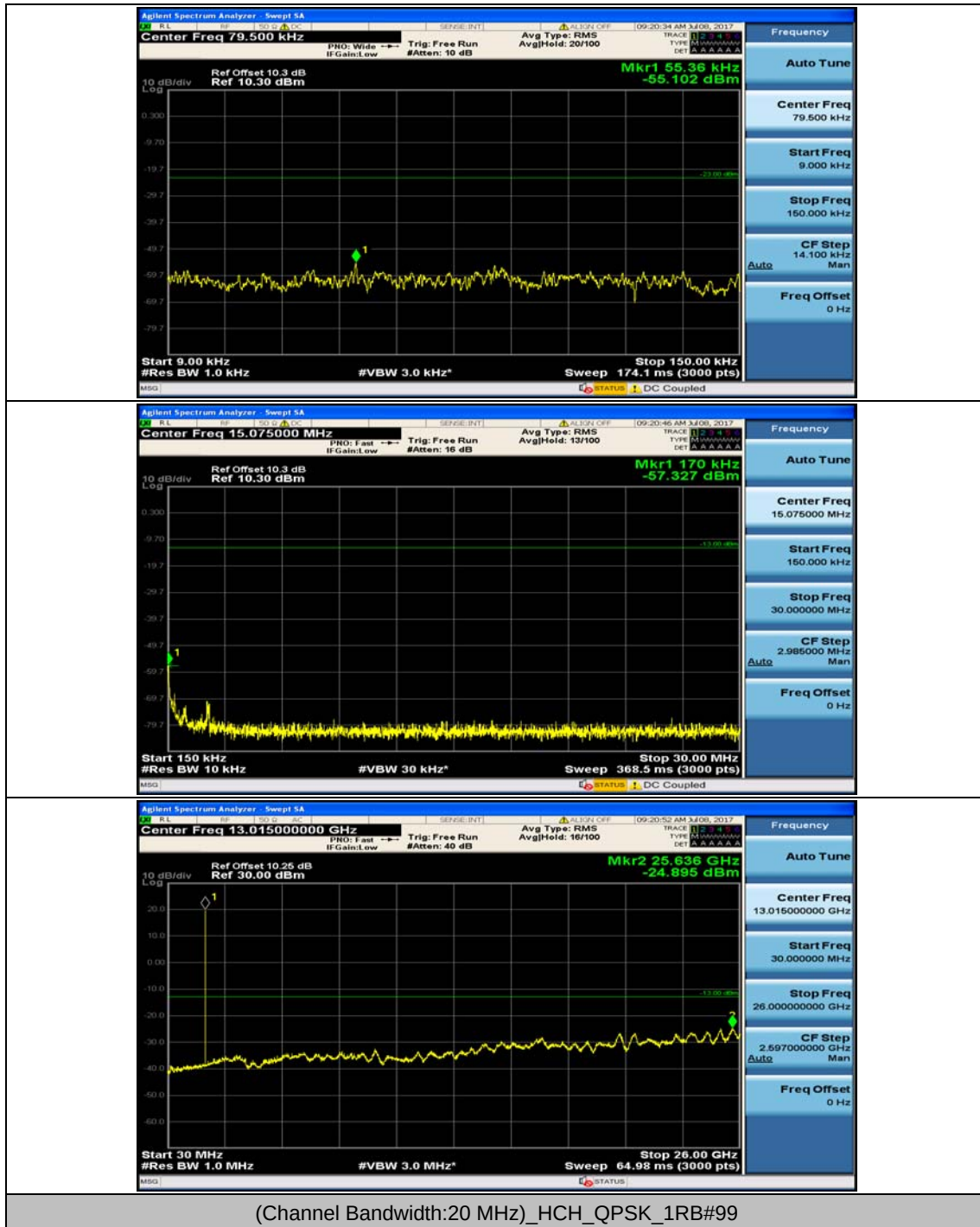


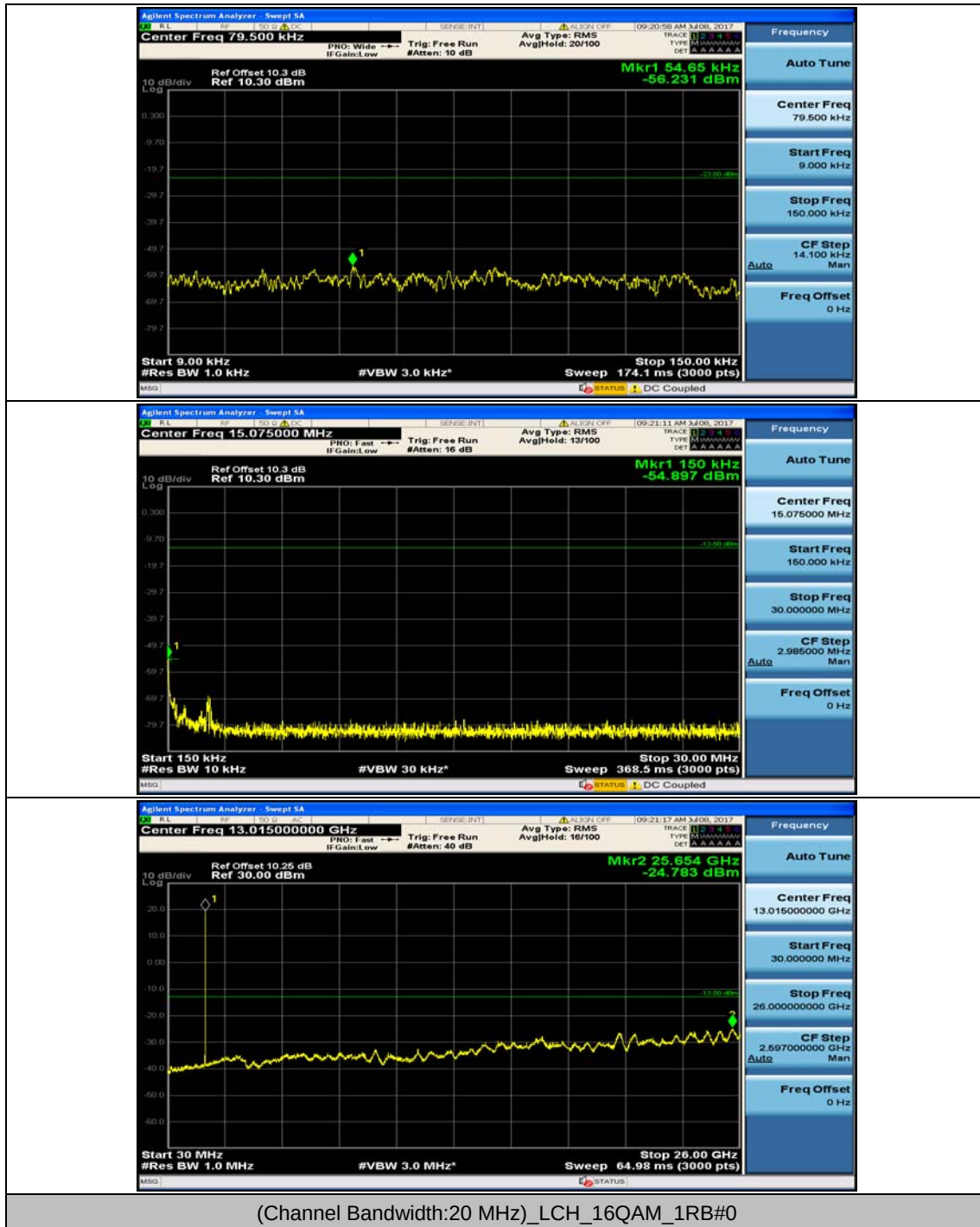


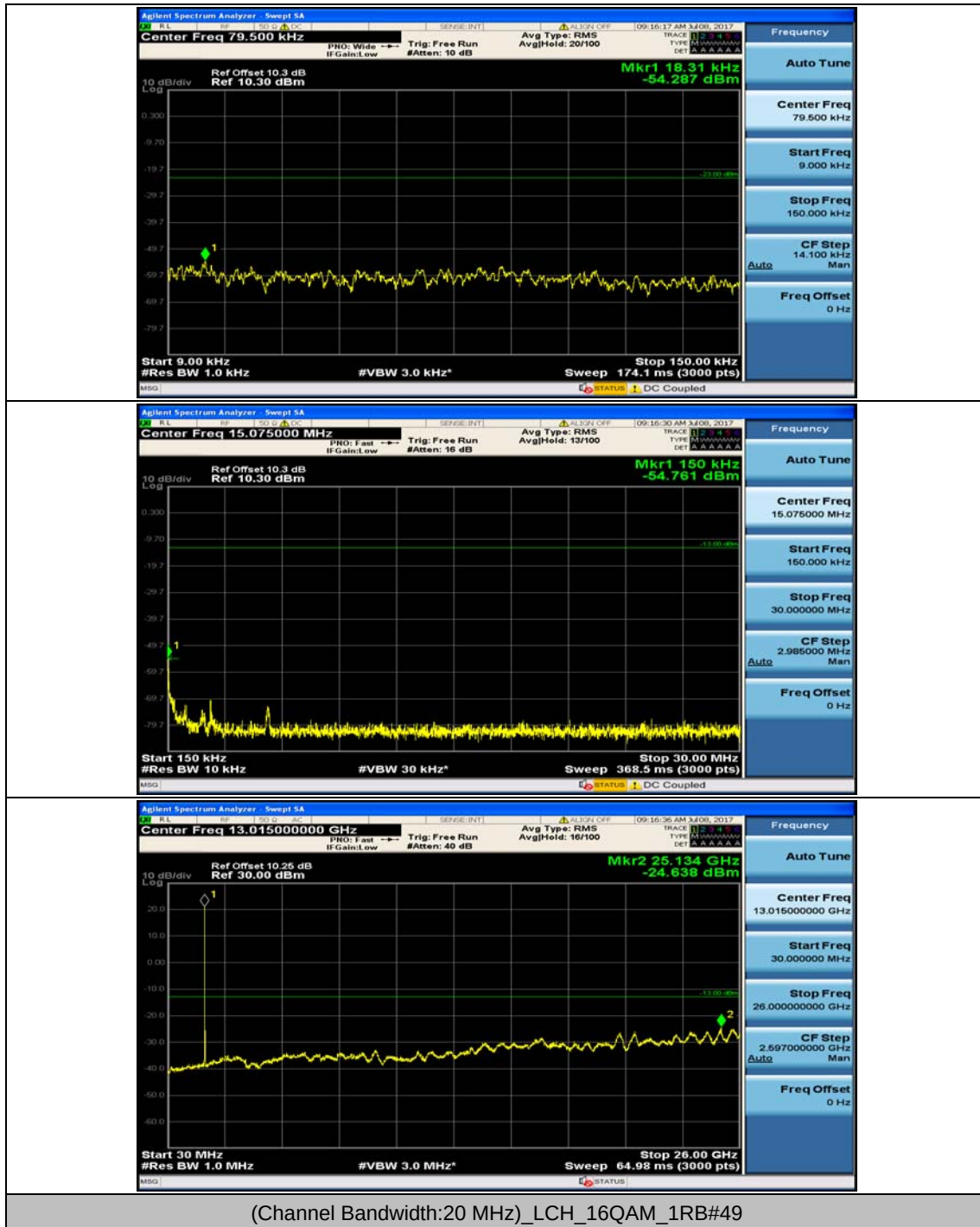


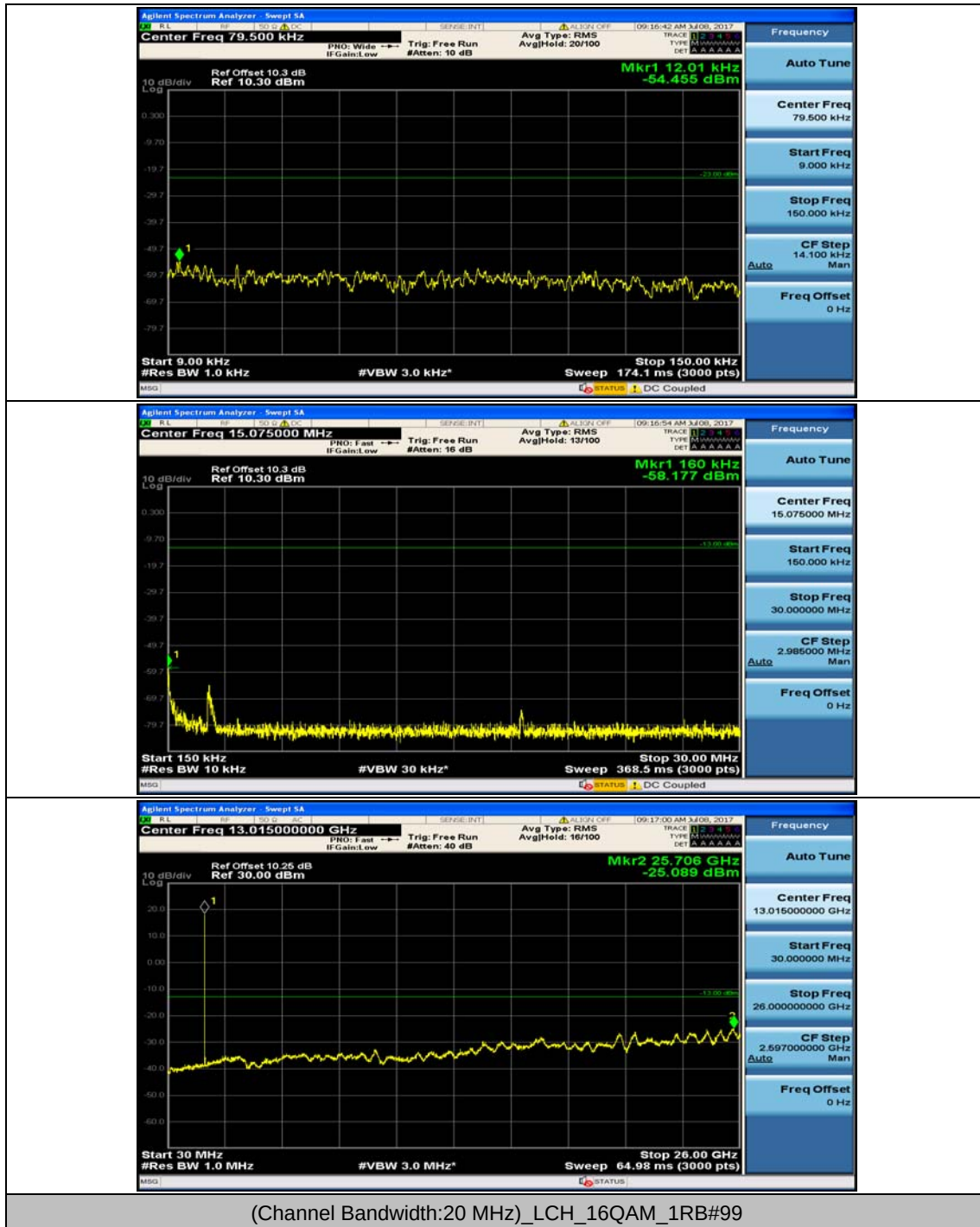


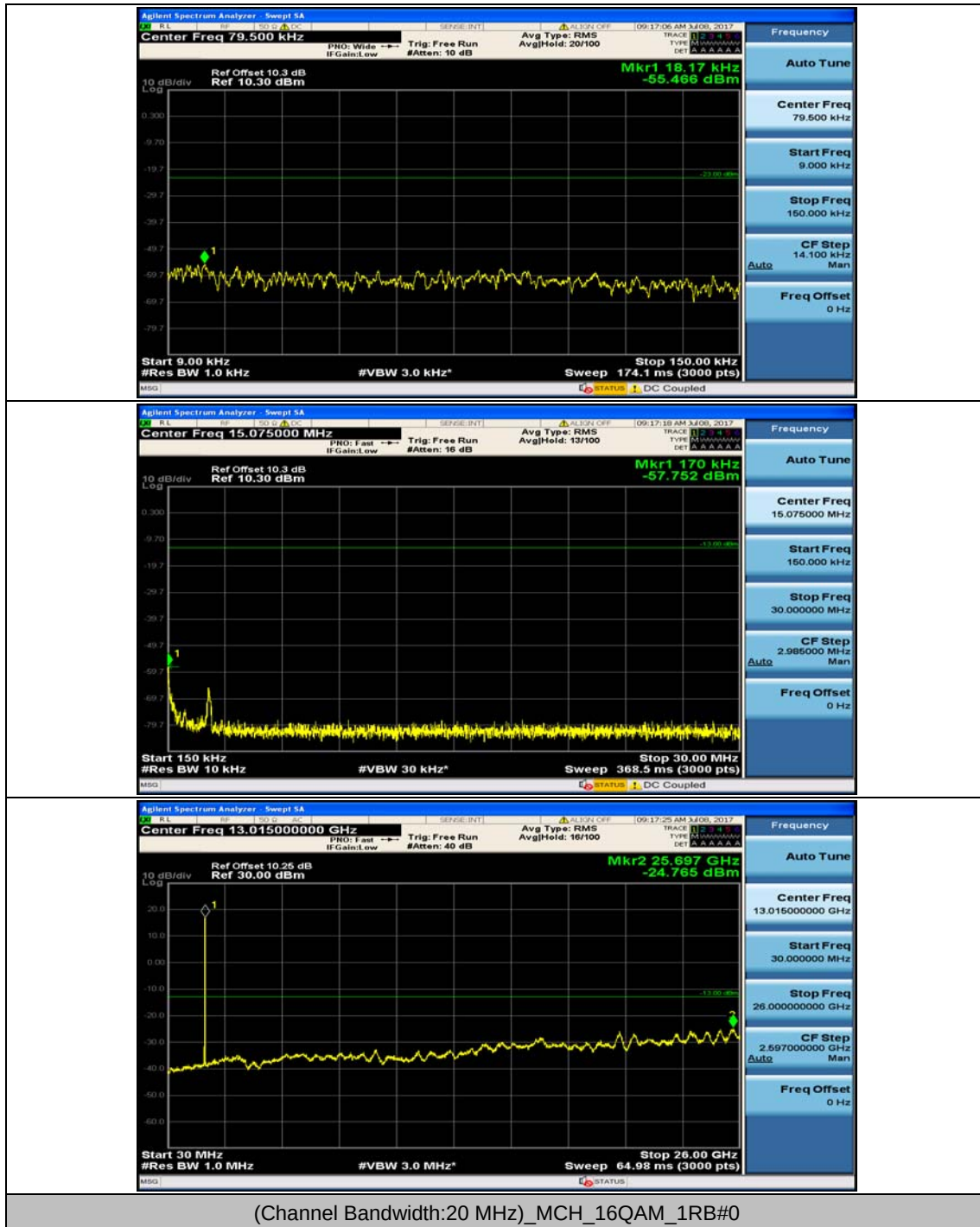


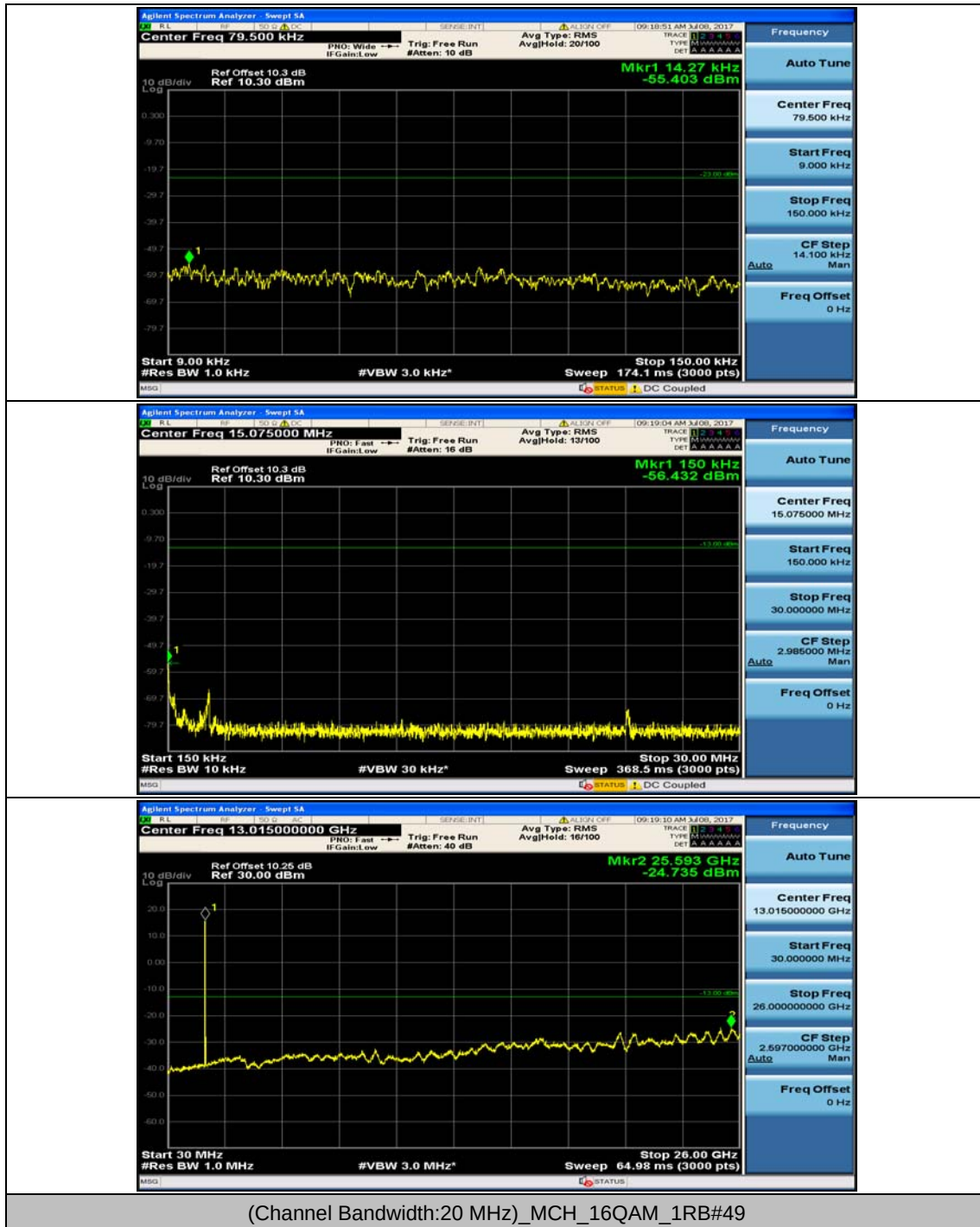


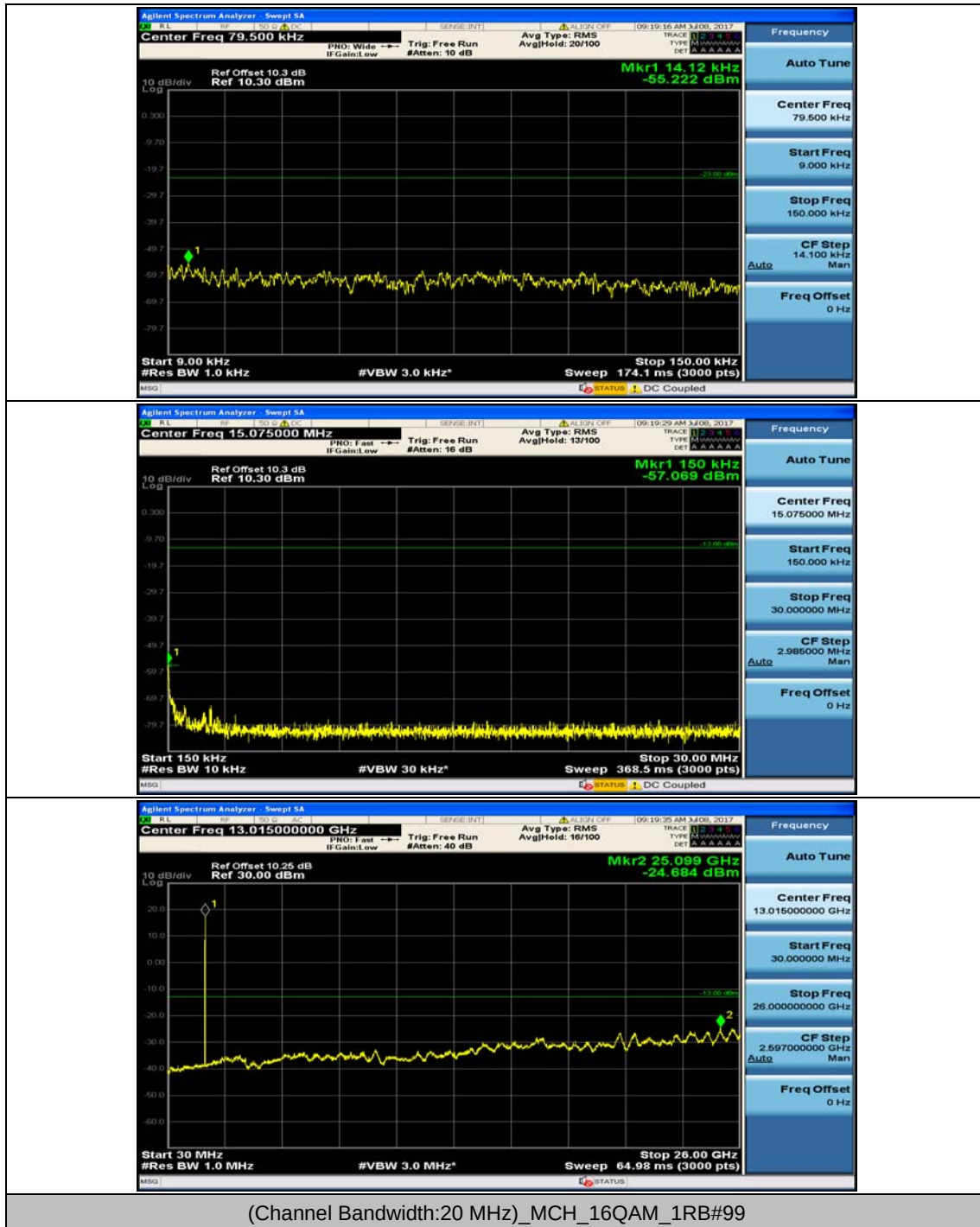


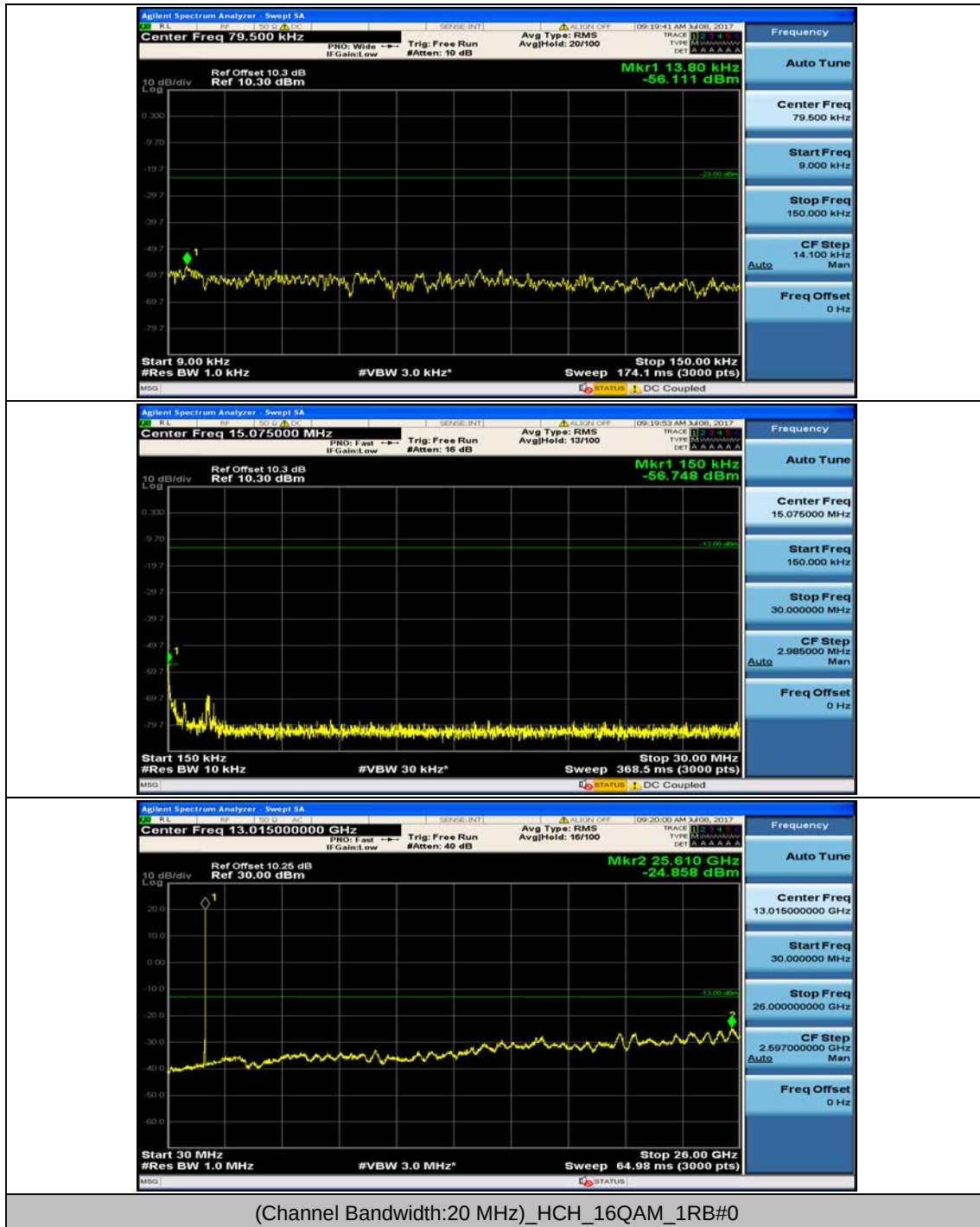


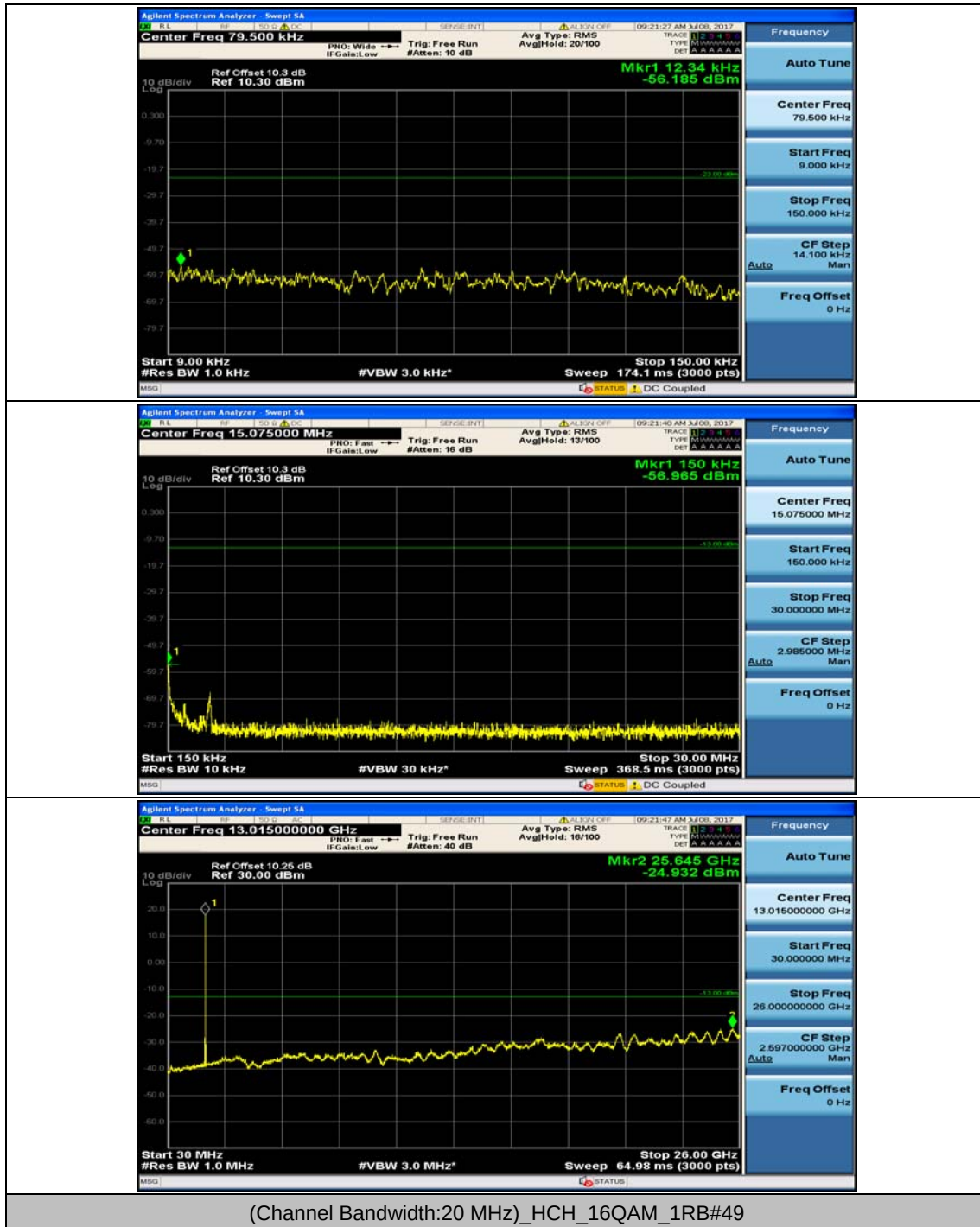


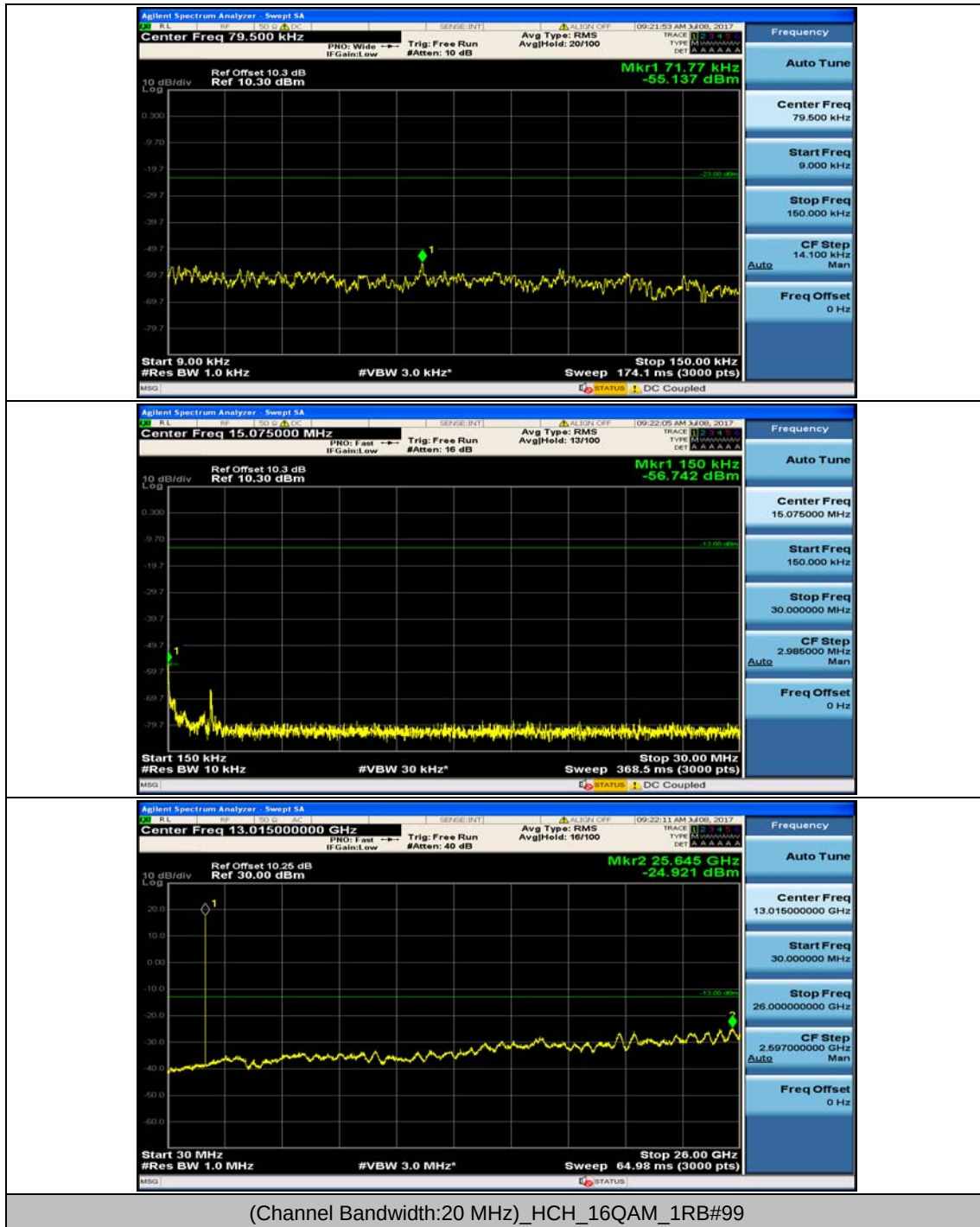


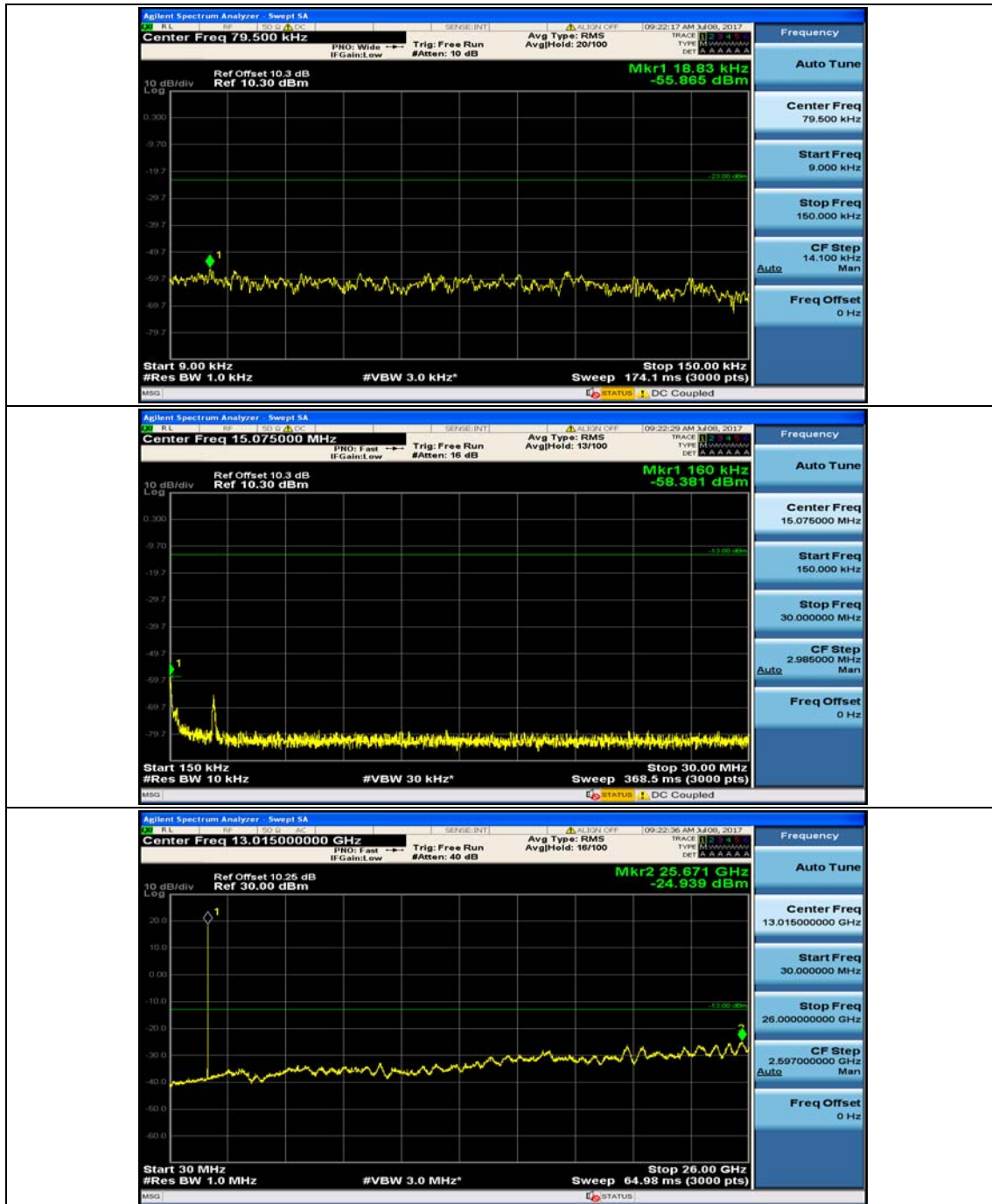












Appendix F: Frequency Stability

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	4.51	0.002636	± 2.5	PASS
		VN	TN	1.37	0.000801	± 2.5	PASS
		VH	TN	3.12	0.001824	± 2.5	PASS
	MCH	VL	TN	3.18	0.001835	± 2.5	PASS
		VN	TN	2.34	0.001351	± 2.5	PASS
		VH	TN	3.5	0.002020	± 2.5	PASS
	HCH	VL	TN	-1.57	-0.000895	± 2.5	PASS
		VN	TN	2.75	0.001568	± 2.5	PASS
		VH	TN	3.2	0.001824	± 2.5	PASS
16QAM	LCH	VL	TN	-0.06	-0.000035	± 2.5	PASS
		VN	TN	3.69	0.002157	± 2.5	PASS
		VH	TN	0.59	0.000345	± 2.5	PASS
	MCH	VL	TN	0.62	0.000358	± 2.5	PASS
		VN	TN	1.84	0.001062	± 2.5	PASS
		VH	TN	1.12	0.000646	± 2.5	PASS
	HCH	VL	TN	-0.79	-0.000450	± 2.5	PASS
		VN	TN	-1.42	-0.000809	± 2.5	PASS
		VH	TN	-0.09	-0.000051	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.58	0.002093	± 2.5	PASS
		VN	-20	2.22	0.001298	± 2.5	PASS
		VN	-10	1.7	0.000994	± 2.5	PASS
		VN	0	4.11	0.002403	± 2.5	PASS
		VN	10	-0.68	-0.000397	± 2.5	PASS
		VN	20	4.85	0.002835	± 2.5	PASS
		VN	30	1.04	0.000608	± 2.5	PASS
		VN	40	2.68	0.001567	± 2.5	PASS
		VN	50	1.28	0.000748	± 2.5	PASS
	MCH	VN	-30	3.38	0.001951	± 2.5	PASS
		VN	-20	0.87	0.000502	± 2.5	PASS

		VN	-10	3.73	0.002153	± 2.5	PASS
		VN	0	-0.22	-0.000127	± 2.5	PASS
		VN	10	0.39	0.000225	± 2.5	PASS
		VN	20	2.04	0.001177	± 2.5	PASS
		VN	30	2.35	0.001356	± 2.5	PASS
		VN	40	0.23	0.000133	± 2.5	PASS
		VN	50	2.82	0.001628	± 2.5	PASS
	HCH	VN	-30	4.18	0.002383	± 2.5	PASS
		VN	-20	-0.94	-0.000536	± 2.5	PASS
		VN	-10	2.47	0.001408	± 2.5	PASS
		VN	0	1.08	0.000616	± 2.5	PASS
		VN	10	-1.07	-0.000610	± 2.5	PASS
		VN	20	-1.64	-0.000935	± 2.5	PASS
		VN	30	-1.23	-0.000701	± 2.5	PASS
		VN	40	0.06	0.000034	± 2.5	PASS
		VN	50	-1.55	-0.000884	± 2.5	PASS
16QAM	LCH	VN	-30	3.44	0.002011	± 2.5	PASS
		VN	-20	0.49	0.000286	± 2.5	PASS
		VN	-10	0.58	0.000339	± 2.5	PASS
		VN	0	-0.99	-0.000579	± 2.5	PASS
		VN	10	1.37	0.000801	± 2.5	PASS
		VN	20	1.04	0.000608	± 2.5	PASS
		VN	30	3.16	0.001847	± 2.5	PASS
		VN	40	1.61	0.000941	± 2.5	PASS
		VN	50	0	0.000000	± 2.5	PASS
	MCH	VN	-30	-1.12	-0.000638	± 2.5	PASS
		VN	-20	4.18	0.002383	± 2.5	PASS
		VN	-10	4.73	0.002696	± 2.5	PASS
		VN	0	3.43	0.001955	± 2.5	PASS
		VN	10	1.29	0.000735	± 2.5	PASS
		VN	20	2.87	0.001636	± 2.5	PASS
		VN	30	1.32	0.000752	± 2.5	PASS
		VN	40	-1.33	-0.000758	± 2.5	PASS
		VN	50	-0.07	-0.000040	± 2.5	PASS
	HCH	VN	-30	1.15	0.000656	± 2.5	PASS
		VN	-20	4.98	0.002839	± 2.5	PASS
		VN	-10	4.31	0.002457	± 2.5	PASS
		VN	0	1.92	0.001094	± 2.5	PASS
		VN	10	-1.86	-0.001060	± 2.5	PASS
		VN	20	1.79	0.001020	± 2.5	PASS
		VN	30	2.46	0.001402	± 2.5	PASS

		VN	40	-0.1	-0.000057	± 2.5	PASS
		VN	50	2.08	0.001186	± 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	-1.09	-0.000637	± 2.5	PASS
		VN	TN	-0.04	-0.000023	± 2.5	PASS
		VH	TN	3.09	0.001805	± 2.5	PASS
	MCH	VL	TN	3.24	0.001870	± 2.5	PASS
		VN	TN	1.61	0.000929	± 2.5	PASS
		VH	TN	-0.9	-0.000519	± 2.5	PASS
	HCH	VL	TN	3.3	0.001882	± 2.5	PASS
		VN	TN	-0.91	-0.000519	± 2.5	PASS
		VH	TN	2.34	0.001334	± 2.5	PASS
16QAM	LCH	VL	TN	0.15	0.000088	± 2.5	PASS
		VN	TN	-1.1	-0.000643	± 2.5	PASS
		VH	TN	3.24	0.001893	± 2.5	PASS
	MCH	VL	TN	-0.83	-0.000479	± 2.5	PASS
		VN	TN	-1.59	-0.000918	± 2.5	PASS
		VH	TN	-1.38	-0.000797	± 2.5	PASS
	HCH	VL	TN	4.97	0.002834	± 2.5	PASS
		VN	TN	3.77	0.002150	± 2.5	PASS
		VH	TN	0.22	0.000125	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.18	0.001858	± 2.5	PASS
		VN	-20	3.67	0.002144	± 2.5	PASS
		VN	-10	4.03	0.002355	± 2.5	PASS
		VN	0	3.52	0.002057	± 2.5	PASS
		VN	10	-1.99	-0.001163	± 2.5	PASS
		VN	20	3.11	0.001817	± 2.5	PASS
		VN	30	-0.51	-0.000298	± 2.5	PASS
		VN	40	1.61	0.000941	± 2.5	PASS
		VN	50	2.63	0.001537	± 2.5	PASS
	MCH	VN	-30	1	0.000577	± 2.5	PASS
		VN	-20	2.98	0.001720	± 2.5	PASS
		VN	-10	-1.72	-0.000993	± 2.5	PASS

		VN	0	2.83	0.001633	± 2.5	PASS
		VN	10	4.9	0.002828	± 2.5	PASS
		VN	20	2.36	0.001362	± 2.5	PASS
		VN	30	-1.55	-0.000895	± 2.5	PASS
		VN	40	0.83	0.000479	± 2.5	PASS
		VN	50	4.99	0.002880	± 2.5	PASS
	HCH	VN	-30	1.46	0.000833	± 2.5	PASS
		VN	-20	3.89	0.002218	± 2.5	PASS
		VN	-10	-1.52	-0.000867	± 2.5	PASS
		VN	0	0.61	0.000348	± 2.5	PASS
		VN	10	4.3	0.002452	± 2.5	PASS
		VN	20	3.07	0.001751	± 2.5	PASS
		VN	30	3.02	0.001722	± 2.5	PASS
		VN	40	1.87	0.001066	± 2.5	PASS
		VN	50	0.29	0.000165	± 2.5	PASS
16QAM	LCH	VN	-30	-1.27	-0.000733	± 2.5	PASS
		VN	-20	-0.77	-0.000444	± 2.5	PASS
		VN	-10	1.89	0.001091	± 2.5	PASS
		VN	0	4.37	0.002522	± 2.5	PASS
		VN	10	-1.22	-0.000704	± 2.5	PASS
		VN	20	2.59	0.001495	± 2.5	PASS
		VN	30	2.46	0.001420	± 2.5	PASS
		VN	40	-0.84	-0.000485	± 2.5	PASS
		VN	50	-1.1	-0.000635	± 2.5	PASS
	MCH	VN	-30	-1.55	-0.000884	± 2.5	PASS
		VN	-20	2.86	0.001631	± 2.5	PASS
		VN	-10	0.32	0.000182	± 2.5	PASS
		VN	0	-0.96	-0.000547	± 2.5	PASS
		VN	10	3.95	0.002253	± 2.5	PASS
		VN	20	-1.81	-0.001032	± 2.5	PASS
		VN	30	3.99	0.002275	± 2.5	PASS
		VN	40	-0.89	-0.000508	± 2.5	PASS
		VN	50	-0.37	-0.000211	± 2.5	PASS
	HCH	VN	-30	1.2	0.000684	± 2.5	PASS
		VN	-20	4.65	0.002652	± 2.5	PASS
		VN	-10	-1.21	-0.000690	± 2.5	PASS
		VN	0	2.48	0.001414	± 2.5	PASS
		VN	10	-0.97	-0.000553	± 2.5	PASS
		VN	20	-1.03	-0.000587	± 2.5	PASS
		VN	30	0.98	0.000559	± 2.5	PASS
		VN	40	2.1	0.001198	± 2.5	PASS

		VN	50	-1.4	-0.000798	± 2.5	PASS
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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	4.4	0.002569	± 2.5	PASS
		VN	TN	4.57	0.002669	± 2.5	PASS
		VH	TN	2.42	0.001413	± 2.5	PASS
	MCH	VL	TN	-0.96	-0.000554	± 2.5	PASS
		VN	TN	2.77	0.001599	± 2.5	PASS
		VH	TN	-0.66	-0.000381	± 2.5	PASS
	HCH	VL	TN	-1.44	-0.000822	± 2.5	PASS
		VN	TN	0.08	0.000046	± 2.5	PASS
		VH	TN	1.52	0.000867	± 2.5	PASS
16QAM	LCH	VL	TN	3.97	0.002318	± 2.5	PASS
		VN	TN	2.35	0.001372	± 2.5	PASS
		VH	TN	4.33	0.002528	± 2.5	PASS
	MCH	VL	TN	4.19	0.002418	± 2.5	PASS
		VN	TN	1.25	0.000722	± 2.5	PASS
		VH	TN	-0.68	-0.000392	± 2.5	PASS
	HCH	VL	TN	1.94	0.001107	± 2.5	PASS
		VN	TN	-0.64	-0.000365	± 2.5	PASS
		VH	TN	-1.34	-0.000765	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.86	0.001086	± 2.5	PASS
		VN	-20	2.47	0.001442	± 2.5	PASS
		VN	-10	2.82	0.001647	± 2.5	PASS
		VN	0	4.55	0.002657	± 2.5	PASS
		VN	10	3.8	0.002219	± 2.5	PASS
		VN	20	0.17	0.000099	± 2.5	PASS
		VN	30	0.43	0.000251	± 2.5	PASS
		VN	40	3.59	0.002096	± 2.5	PASS
		VN	50	1.91	0.001115	± 2.5	PASS
	MCH	VN	-30	-0.62	-0.000358	± 2.5	PASS
		VN	-20	-1.59	-0.000918	± 2.5	PASS
		VN	-10	2.4	0.001385	± 2.5	PASS
		VN	0	4.07	0.002349	± 2.5	PASS

		VN	10	3.63	0.002095	± 2.5	PASS
		VN	20	1.93	0.001114	± 2.5	PASS
		VN	30	3.84	0.002216	± 2.5	PASS
		VN	40	-1.01	-0.000583	± 2.5	PASS
		VN	50	2.37	0.001368	± 2.5	PASS
	HCH	VN	-30	-1.31	-0.000748	± 2.5	PASS
		VN	-20	3.15	0.001651	± 2.5	PASS
		VN	-10	3.61	0.001893	± 2.5	PASS
		VN	0	1.96	0.001028	± 2.5	PASS
		VN	10	-0.25	-0.000131	± 2.5	PASS
		VN	20	1.1	0.000577	± 2.5	PASS
		VN	30	-0.45	-0.000236	± 2.5	PASS
		VN	40	4.5	0.002359	± 2.5	PASS
		VN	50	1.78	0.000933	± 2.5	PASS
16QAM	LCH	VN	-30	1.18	0.000681	± 2.5	PASS
		VN	-20	-1.01	-0.000583	± 2.5	PASS
		VN	-10	4.44	0.002563	± 2.5	PASS
		VN	0	1.36	0.000785	± 2.5	PASS
		VN	10	2.85	0.001645	± 2.5	PASS
		VN	20	3.9	0.002251	± 2.5	PASS
		VN	30	-0.25	-0.000144	± 2.5	PASS
		VN	40	-0.67	-0.000387	± 2.5	PASS
		VN	50	3.46	0.001997	± 2.5	PASS
	MCH	VN	-30	-1.15	-0.000656	± 2.5	PASS
		VN	-20	-0.11	-0.000063	± 2.5	PASS
		VN	-10	0.28	0.000160	± 2.5	PASS
		VN	0	3.39	0.001934	± 2.5	PASS
		VN	10	1.15	0.000656	± 2.5	PASS
		VN	20	-1.06	-0.000605	± 2.5	PASS
		VN	30	1.46	0.000833	± 2.5	PASS
		VN	40	4.39	0.002505	± 2.5	PASS
		VN	50	0.39	0.000223	± 2.5	PASS
	HCH	VN	-30	1.96	0.001028	± 2.5	PASS
		VN	-20	4.45	0.002333	± 2.5	PASS
		VN	-10	-1	-0.000524	± 2.5	PASS
		VN	0	0.18	0.000094	± 2.5	PASS
		VN	10	4	0.002097	± 2.5	PASS
		VN	20	-0.6	-0.000315	± 2.5	PASS
		VN	30	-1.9	-0.000996	± 2.5	PASS
		VN	40	-1.86	-0.000975	± 2.5	PASS
		VN	50	-1.62	-0.000849	± 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	4.42	0.002577	± 2.5	PASS
		VN	TN	3.26	0.001901	± 2.5	PASS
		VH	TN	2.46	0.001434	± 2.5	PASS
	MCH	VL	TN	-0.47	-0.000271	± 2.5	PASS
		VN	TN	1.34	0.000773	± 2.5	PASS
		VH	TN	3.41	0.001968	± 2.5	PASS
	HCH	VL	TN	4.77	0.002726	± 2.5	PASS
		VN	TN	4.09	0.002337	± 2.5	PASS
		VH	TN	2.72	0.001554	± 2.5	PASS
16QAM	LCH	VL	TN	-1.41	-0.000822	± 2.5	PASS
		VN	TN	3.31	0.001930	± 2.5	PASS
		VH	TN	-0.38	-0.000222	± 2.5	PASS
	MCH	VL	TN	-1.63	-0.000941	± 2.5	PASS
		VN	TN	2.23	0.001287	± 2.5	PASS
		VH	TN	4.85	0.002799	± 2.5	PASS
	HCH	VL	TN	-0.03	-0.000017	± 2.5	PASS
		VN	TN	-0.25	-0.000143	± 2.5	PASS
		VH	TN	1.86	0.001063	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.66	0.001551	± 2.5	PASS
		VN	-20	0.37	0.000216	± 2.5	PASS
		VN	-10	4.32	0.002519	± 2.5	PASS
		VN	0	4.91	0.002863	± 2.5	PASS
		VN	10	4.03	0.002350	± 2.5	PASS
		VN	20	-0.96	-0.000560	± 2.5	PASS
		VN	30	3.55	0.002070	± 2.5	PASS
		VN	40	2.57	0.001499	± 2.5	PASS
		VN	50	2.24	0.001306	± 2.5	PASS
	MCH	VN	-30	4.73	0.002730	± 2.5	PASS
		VN	-20	4.09	0.002361	± 2.5	PASS
		VN	-10	-0.63	-0.000364	± 2.5	PASS
		VN	0	-1.1	-0.000635	± 2.5	PASS
		VN	10	3.79	0.002188	± 2.5	PASS
		VN	20	1.99	0.001149	± 2.5	PASS

		VN	30	2.24	0.001293	± 2.5	PASS
		VN	40	-0.25	-0.000144	± 2.5	PASS
		VN	50	-1.47	-0.000848	± 2.5	PASS
	HCH	VN	-30	2.05	0.001171	± 2.5	PASS
		VN	-20	3.69	0.002109	± 2.5	PASS
		VN	-10	3.77	0.002154	± 2.5	PASS
		VN	0	1.24	0.000709	± 2.5	PASS
		VN	10	-1.43	-0.000817	± 2.5	PASS
		VN	20	2.82	0.001611	± 2.5	PASS
		VN	30	0.24	0.000137	± 2.5	PASS
		VN	40	-1.24	-0.000709	± 2.5	PASS
		VN	50	2.92	0.001669	± 2.5	PASS
QPSK	LCH	VN	-30	-0.27	-0.000156	± 2.5	PASS
		VN	-20	-0.88	-0.000508	± 2.5	PASS
		VN	-10	2.05	0.001183	± 2.5	PASS
		VN	0	1.08	0.000623	± 2.5	PASS
		VN	10	-1.46	-0.000843	± 2.5	PASS
		VN	20	-0.24	-0.000139	± 2.5	PASS
		VN	30	3.71	0.002141	± 2.5	PASS
		VN	40	4.8	0.002771	± 2.5	PASS
		VN	50	-1.66	-0.000958	± 2.5	PASS
	MCH	VN	-30	1.72	0.000983	± 2.5	PASS
		VN	-20	2.82	0.001611	± 2.5	PASS
		VN	-10	0.81	0.000463	± 2.5	PASS
		VN	0	-1.05	-0.000600	± 2.5	PASS
		VN	10	3.52	0.002011	± 2.5	PASS
		VN	20	4.21	0.002406	± 2.5	PASS
		VN	30	0.86	0.000491	± 2.5	PASS
		VN	40	-0.84	-0.000480	± 2.5	PASS
		VN	50	-0.36	-0.000206	± 2.5	PASS
	HCH	VN	-30	3.25	0.001857	± 2.5	PASS
		VN	-20	1.96	0.001120	± 2.5	PASS
		VN	-10	-0.68	-0.000389	± 2.5	PASS
		VN	0	-0.13	-0.000074	± 2.5	PASS
		VN	10	0.02	0.000011	± 2.5	PASS
		VN	20	3.86	0.002206	± 2.5	PASS
		VN	30	3	0.001714	± 2.5	PASS
		VN	40	1.75	0.001000	± 2.5	PASS
		VN	50	4.71	0.002691	± 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	-0.56	-0.000326	± 2.5	PASS
		VN	TN	0.08	0.000047	± 2.5	PASS
		VH	TN	-0.88	-0.000512	± 2.5	PASS
	MCH	VL	TN	1.88	0.001085	± 2.5	PASS
		VN	TN	1.02	0.000589	± 2.5	PASS
		VH	TN	3.19	0.001841	± 2.5	PASS
	HCH	VL	TN	4.52	0.002587	± 2.5	PASS
		VN	TN	-1.63	-0.000933	± 2.5	PASS
		VH	TN	3.39	0.001940	± 2.5	PASS
16QAM	LCH	VL	TN	1.83	0.001066	± 2.5	PASS
		VN	TN	-1.25	-0.000728	± 2.5	PASS
		VH	TN	4.18	0.002434	± 2.5	PASS
	MCH	VL	TN	0.94	0.000543	± 2.5	PASS
		VN	TN	2.69	0.001553	± 2.5	PASS
		VH	TN	0.29	0.000167	± 2.5	PASS
	HCH	VL	TN	1.71	0.000979	± 2.5	PASS
		VN	TN	1.3	0.000744	± 2.5	PASS
		VH	TN	0.56	0.000320	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.17	0.001846	± 2.5	PASS
		VN	-20	0.88	0.000512	± 2.5	PASS
		VN	-10	0.33	0.000192	± 2.5	PASS
		VN	0	-0.01	-0.000006	± 2.5	PASS
		VN	10	-1.67	-0.000972	± 2.5	PASS
		VN	20	4.34	0.002527	± 2.5	PASS
		VN	30	2.56	0.001491	± 2.5	PASS
		VN	40	0.85	0.000495	± 2.5	PASS
		VN	50	-1.23	-0.000716	± 2.5	PASS
	MCH	VN	-30	-0.33	-0.000190	± 2.5	PASS
		VN	-20	4.04	0.002332	± 2.5	PASS
		VN	-10	1.89	0.001091	± 2.5	PASS
		VN	0	0.94	0.000543	± 2.5	PASS
		VN	10	3.24	0.001870	± 2.5	PASS
		VN	20	-0.28	-0.000162	± 2.5	PASS

		VN	30	4.34	0.002505	± 2.5	PASS
		VN	40	1.97	0.001137	± 2.5	PASS
		VN	50	1.71	0.000987	± 2.5	PASS
	HCH	VN	-30	-1.81	-0.001036	± 2.5	PASS
		VN	-20	3.87	0.002215	± 2.5	PASS
		VN	-10	-0.21	-0.000120	± 2.5	PASS
		VN	0	1.05	0.000601	± 2.5	PASS
		VN	10	3.39	0.001940	± 2.5	PASS
		VN	20	0.89	0.000509	± 2.5	PASS
		VN	30	4.53	0.002592	± 2.5	PASS
		VN	40	3.25	0.001860	± 2.5	PASS
		VN	50	0.07	0.000040	± 2.5	PASS
16QAM	LCH	VN	-30	-1.54	-0.000889	± 2.5	PASS
		VN	-20	3.29	0.001899	± 2.5	PASS
		VN	-10	-0.4	-0.000231	± 2.5	PASS
		VN	0	0.42	0.000242	± 2.5	PASS
		VN	10	-0.97	-0.000560	± 2.5	PASS
		VN	20	1.96	0.001131	± 2.5	PASS
		VN	30	3.06	0.001766	± 2.5	PASS
		VN	40	-1.85	-0.001068	± 2.5	PASS
		VN	50	-1.94	-0.001120	± 2.5	PASS
	MCH	VN	-30	4.03	0.002306	± 2.5	PASS
		VN	-20	3.4	0.001946	± 2.5	PASS
		VN	-10	2.64	0.001511	± 2.5	PASS
		VN	0	0.97	0.000555	± 2.5	PASS
		VN	10	4.56	0.002609	± 2.5	PASS
		VN	20	1.31	0.000750	± 2.5	PASS
		VN	30	2.29	0.001310	± 2.5	PASS
		VN	40	0.44	0.000252	± 2.5	PASS
		VN	50	2.01	0.001150	± 2.5	PASS
	HCH	VN	-30	-0.94	-0.000538	± 2.5	PASS
		VN	-20	2.63	0.001505	± 2.5	PASS
		VN	-10	2.19	0.001253	± 2.5	PASS
		VN	0	-0.16	-0.000092	± 2.5	PASS
		VN	10	3.22	0.001843	± 2.5	PASS
		VN	20	1.34	0.000767	± 2.5	PASS
		VN	30	2.23	0.001276	± 2.5	PASS
		VN	40	1.55	0.000887	± 2.5	PASS
		VN	50	3.48	0.001991	± 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	1.26	0.000733	± 2.5	PASS
		VN	TN	4.13	0.002401	± 2.5	PASS
		VH	TN	1.91	0.001110	± 2.5	PASS
	MCH	VL	TN	2.93	0.001691	± 2.5	PASS
		VN	TN	4.81	0.002776	± 2.5	PASS
		VH	TN	2.76	0.001593	± 2.5	PASS
	HCH	VL	TN	-1.16	-0.000665	± 2.5	PASS
		VN	TN	4.13	0.002367	± 2.5	PASS
		VH	TN	1.04	0.000596	± 2.5	PASS
16QAM	LCH	VL	TN	4.52	0.002628	± 2.5	PASS
		VN	TN	-1.15	-0.000669	± 2.5	PASS
		VH	TN	3.58	0.002081	± 2.5	PASS
	MCH	VL	TN	2.26	0.001304	± 2.5	PASS
		VN	TN	-1.34	-0.000773	± 2.5	PASS
		VH	TN	-1.17	-0.000675	± 2.5	PASS
	HCH	VL	TN	-1.48	-0.000848	± 2.5	PASS
		VN	TN	4.43	0.002539	± 2.5	PASS
		VH	TN	0.21	0.000120	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.83	0.000483	± 2.5	PASS
		VN	-20	-1.33	-0.000773	± 2.5	PASS
		VN	-10	-0.88	-0.000512	± 2.5	PASS
		VN	0	3.91	0.002273	± 2.5	PASS
		VN	10	2.85	0.001657	± 2.5	PASS
		VN	20	-1.41	-0.000820	± 2.5	PASS
		VN	30	2.76	0.001605	± 2.5	PASS
		VN	40	4.48	0.002605	± 2.5	PASS
		VN	50	-1.36	-0.000791	± 2.5	PASS
	MCH	VN	-30	-0.26	-0.000150	± 2.5	PASS
		VN	-20	2.45	0.001414	± 2.5	PASS
		VN	-10	3.47	0.002003	± 2.5	PASS
		VN	0	2.54	0.001466	± 2.5	PASS
		VN	10	-1.49	-0.000860	± 2.5	PASS
		VN	20	1.75	0.001010	± 2.5	PASS

		VN	30	2.38	0.001374	± 2.5	PASS
		VN	40	2.9	0.001674	± 2.5	PASS
		VN	50	-0.73	-0.000421	± 2.5	PASS
	HCH	VN	-30	1.52	0.000871	± 2.5	PASS
		VN	-20	2.43	0.001393	± 2.5	PASS
		VN	-10	1.87	0.001072	± 2.5	PASS
		VN	0	1.61	0.000923	± 2.5	PASS
		VN	10	0.7	0.000401	± 2.5	PASS
		VN	20	1.65	0.000946	± 2.5	PASS
		VN	30	-1.99	-0.001140	± 2.5	PASS
		VN	40	1.02	0.000585	± 2.5	PASS
		VN	50	2.59	0.001484	± 2.5	PASS
16QAM	LCH	VN	-30	3.87	0.002234	± 2.5	PASS
		VN	-20	-0.67	-0.000387	± 2.5	PASS
		VN	-10	4.75	0.002742	± 2.5	PASS
		VN	0	4.77	0.002753	± 2.5	PASS
		VN	10	-1.66	-0.000958	± 2.5	PASS
		VN	20	4.09	0.002361	± 2.5	PASS
		VN	30	4.52	0.002609	± 2.5	PASS
		VN	40	-1.69	-0.000975	± 2.5	PASS
		VN	50	-0.18	-0.000104	± 2.5	PASS
	MCH	VN	-30	3.17	0.001817	± 2.5	PASS
		VN	-20	-0.86	-0.000493	± 2.5	PASS
		VN	-10	4.95	0.002837	± 2.5	PASS
		VN	0	2.78	0.001593	± 2.5	PASS
		VN	10	3.84	0.002201	± 2.5	PASS
		VN	20	1.73	0.000991	± 2.5	PASS
		VN	30	2.67	0.001530	± 2.5	PASS
		VN	40	-1.96	-0.001123	± 2.5	PASS
		VN	50	4.44	0.002544	± 2.5	PASS
	HCH	VN	-30	0.37	0.000212	± 2.5	PASS
		VN	-20	2.23	0.001278	± 2.5	PASS
		VN	-10	0.3	0.000172	± 2.5	PASS
		VN	0	0.13	0.000074	± 2.5	PASS
		VN	10	4.4	0.002521	± 2.5	PASS
		VN	20	3.36	0.001926	± 2.5	PASS
		VN	30	4.4	0.002521	± 2.5	PASS
		VN	40	3.62	0.002074	± 2.5	PASS
		VN	50	0.89	0.000510	± 2.5	PASS