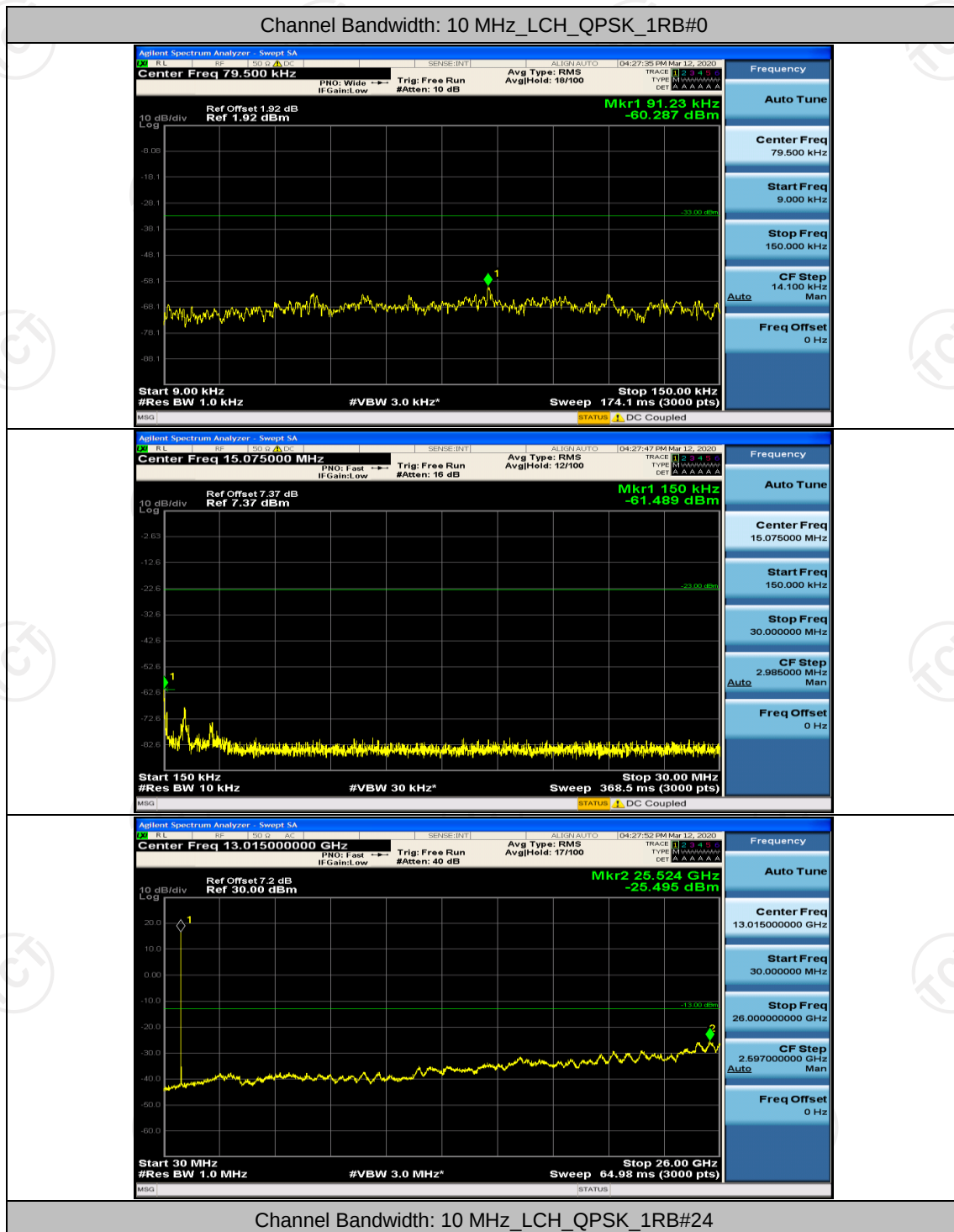
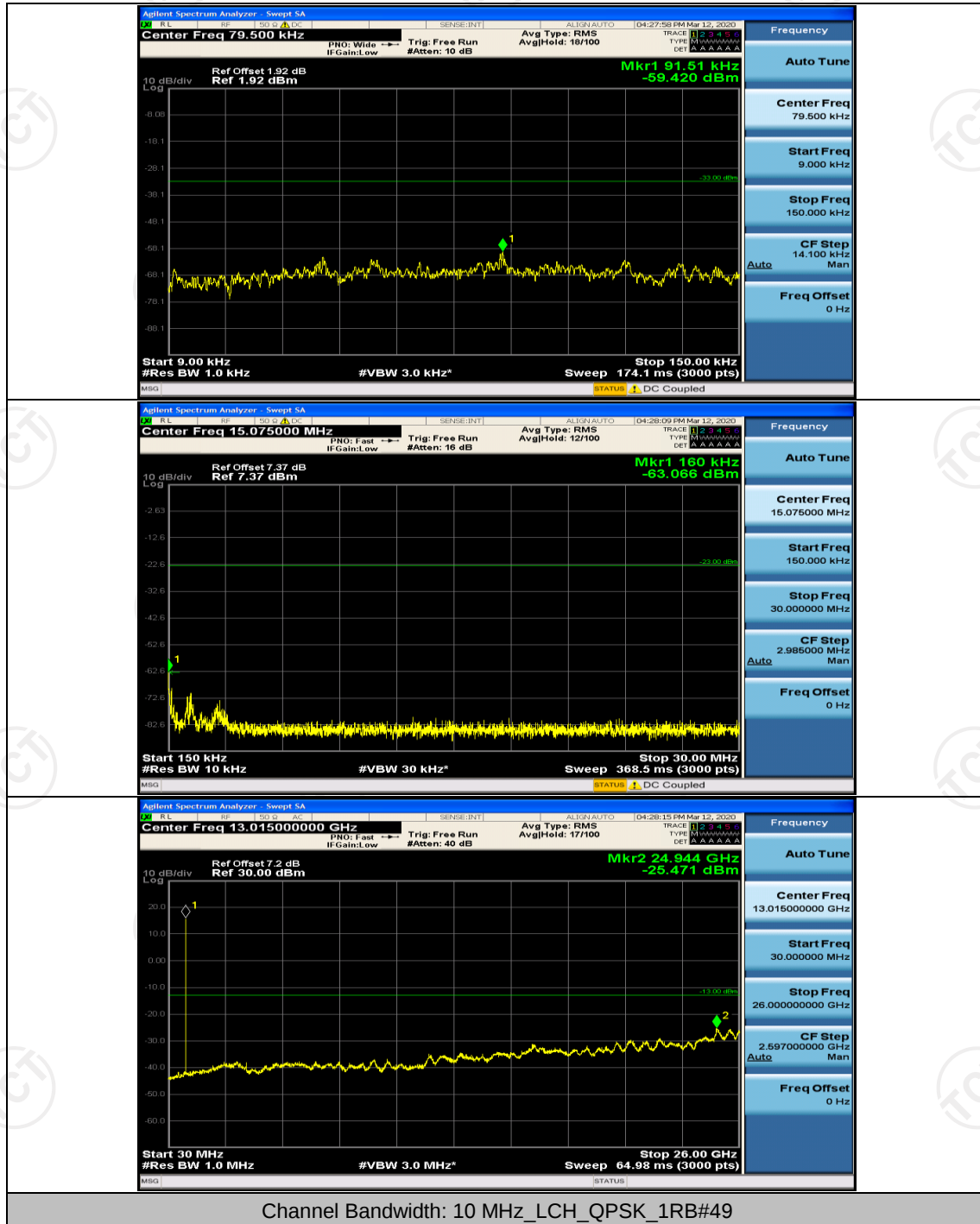
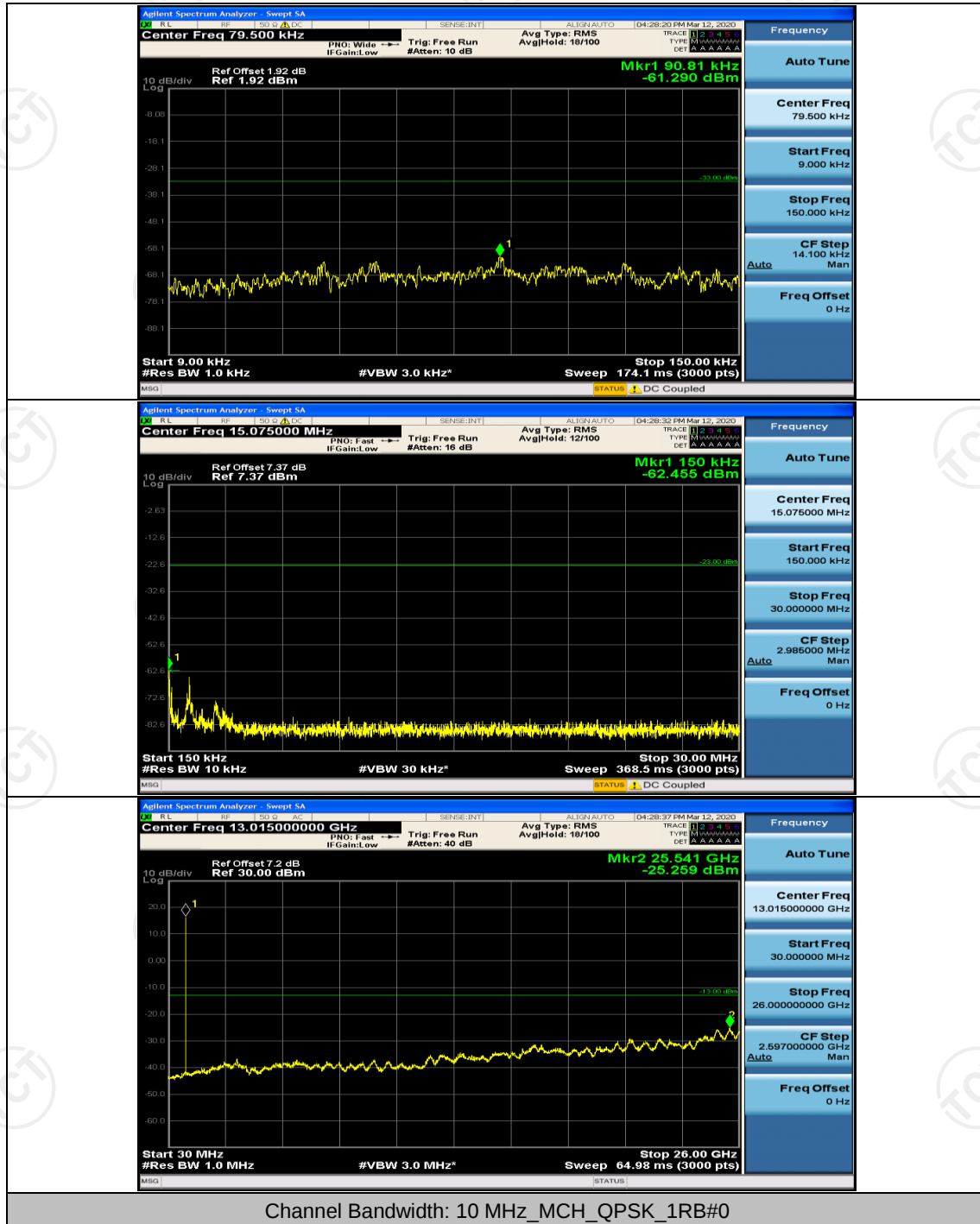
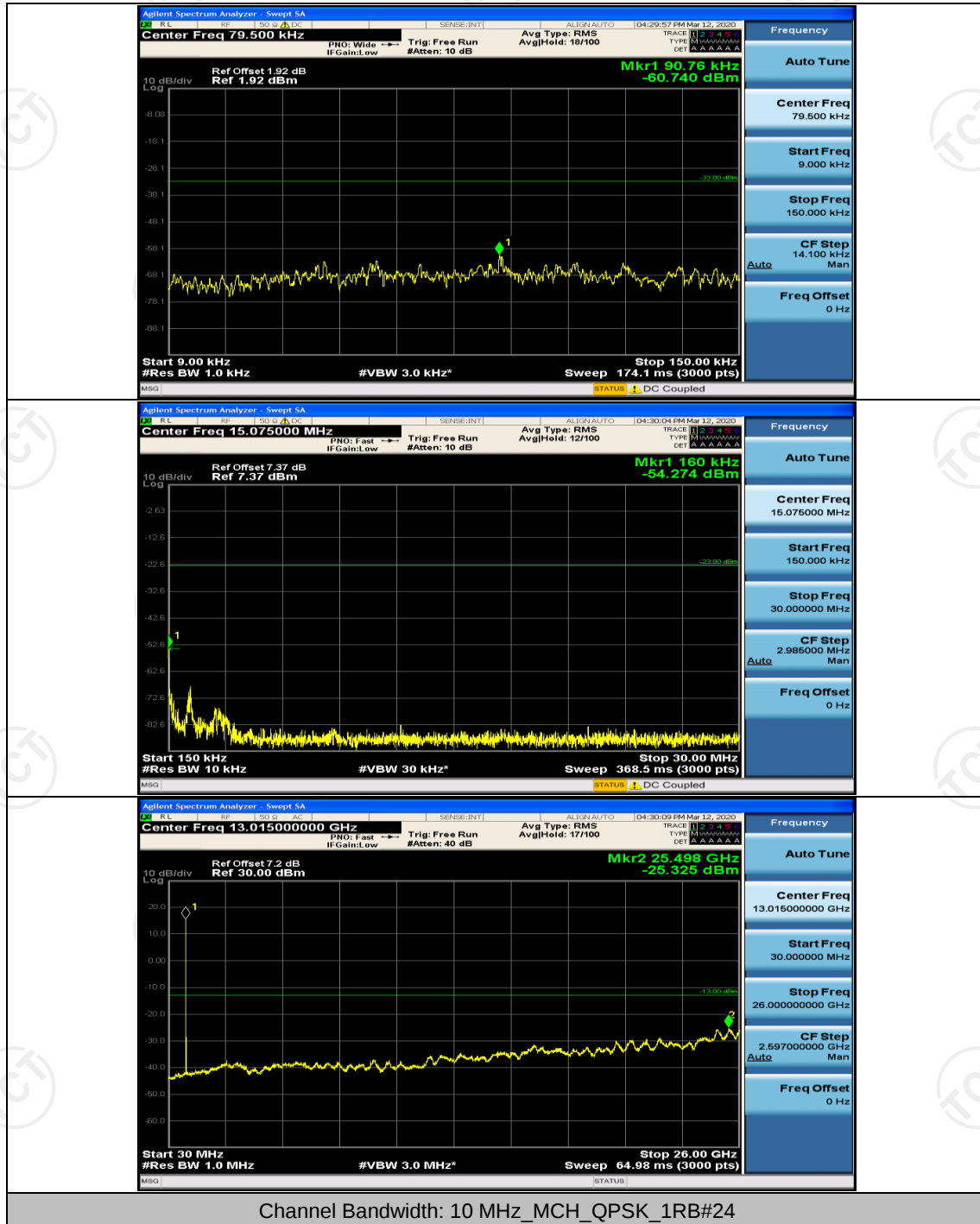


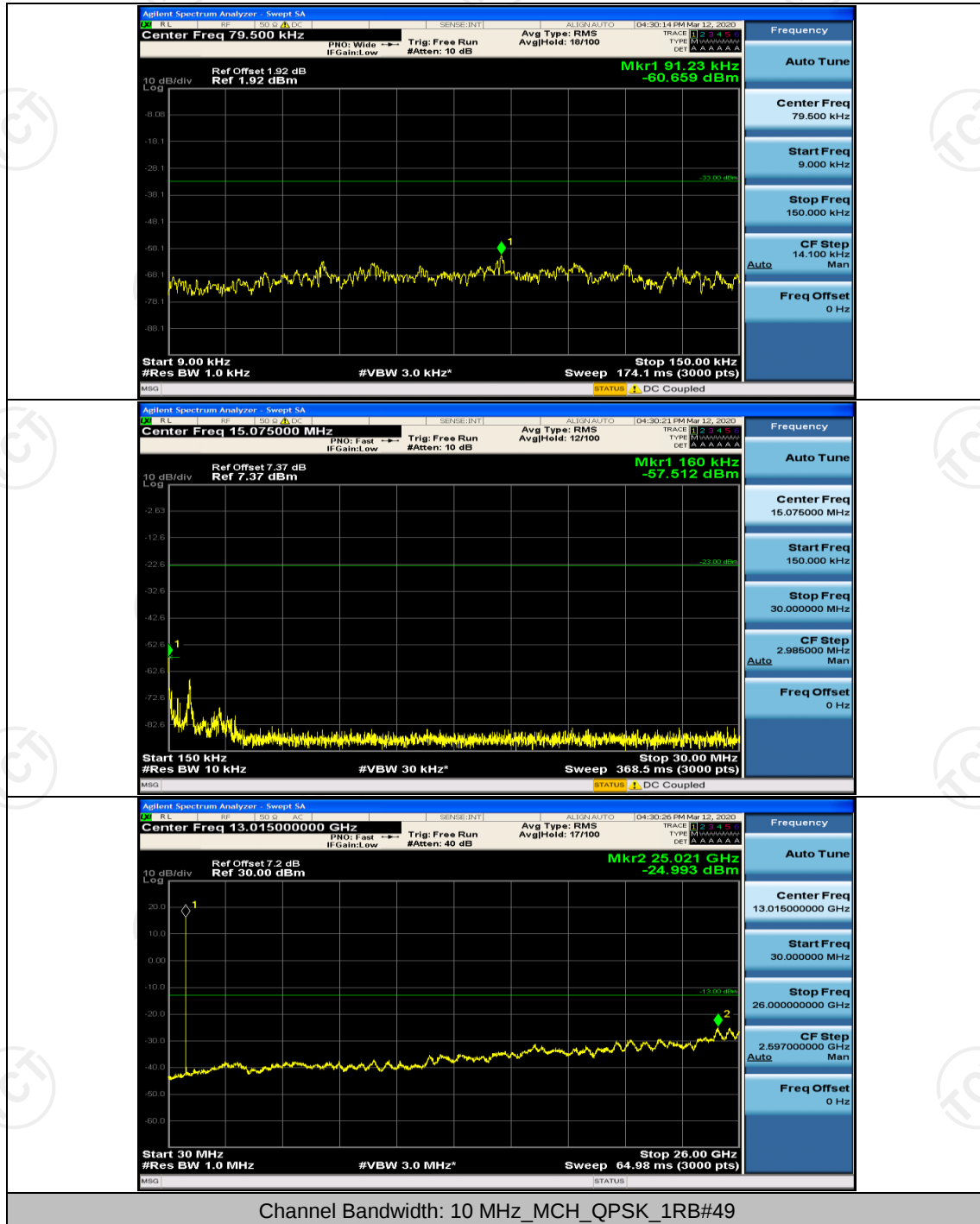
Channel Bandwidth: 10 MHz

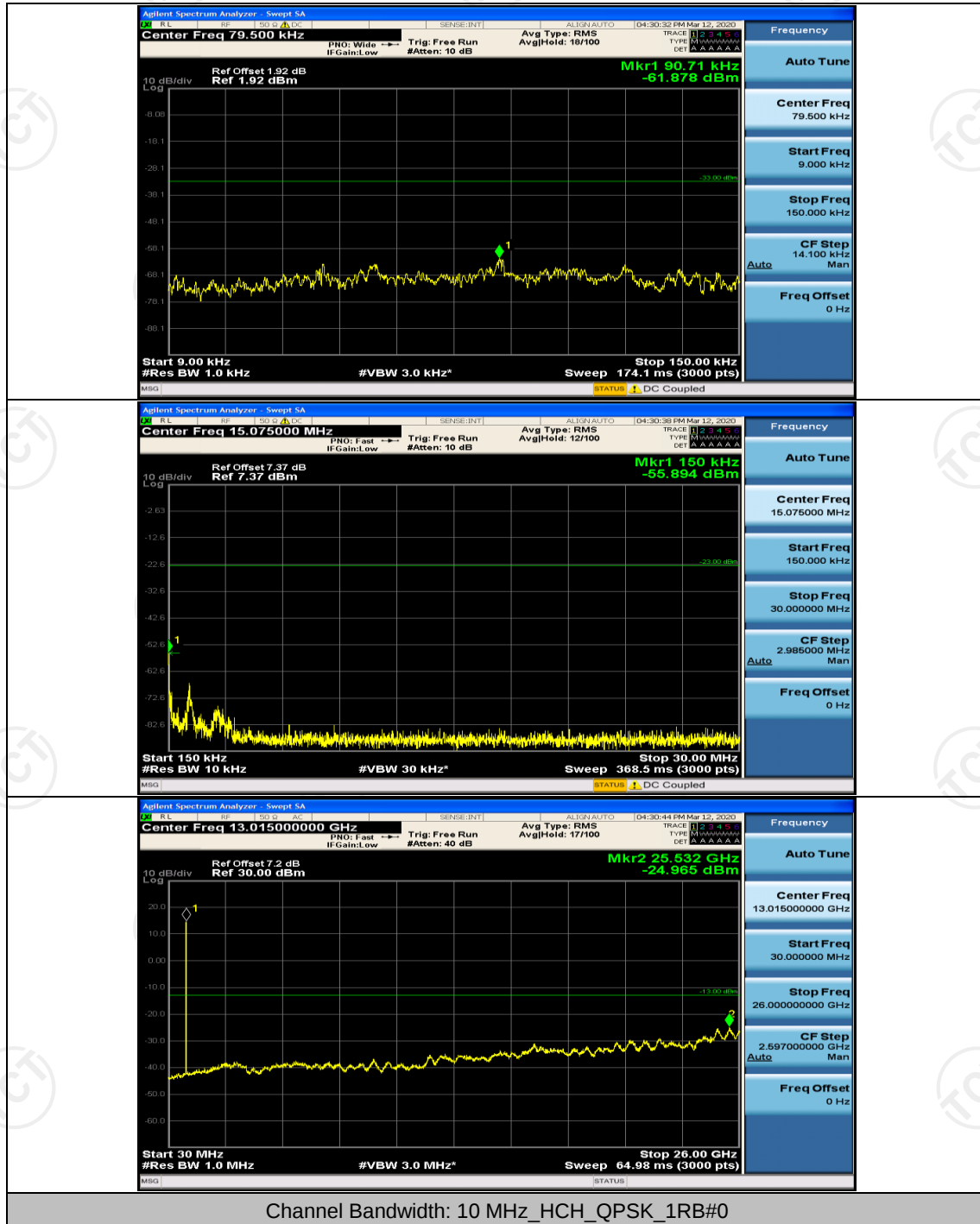


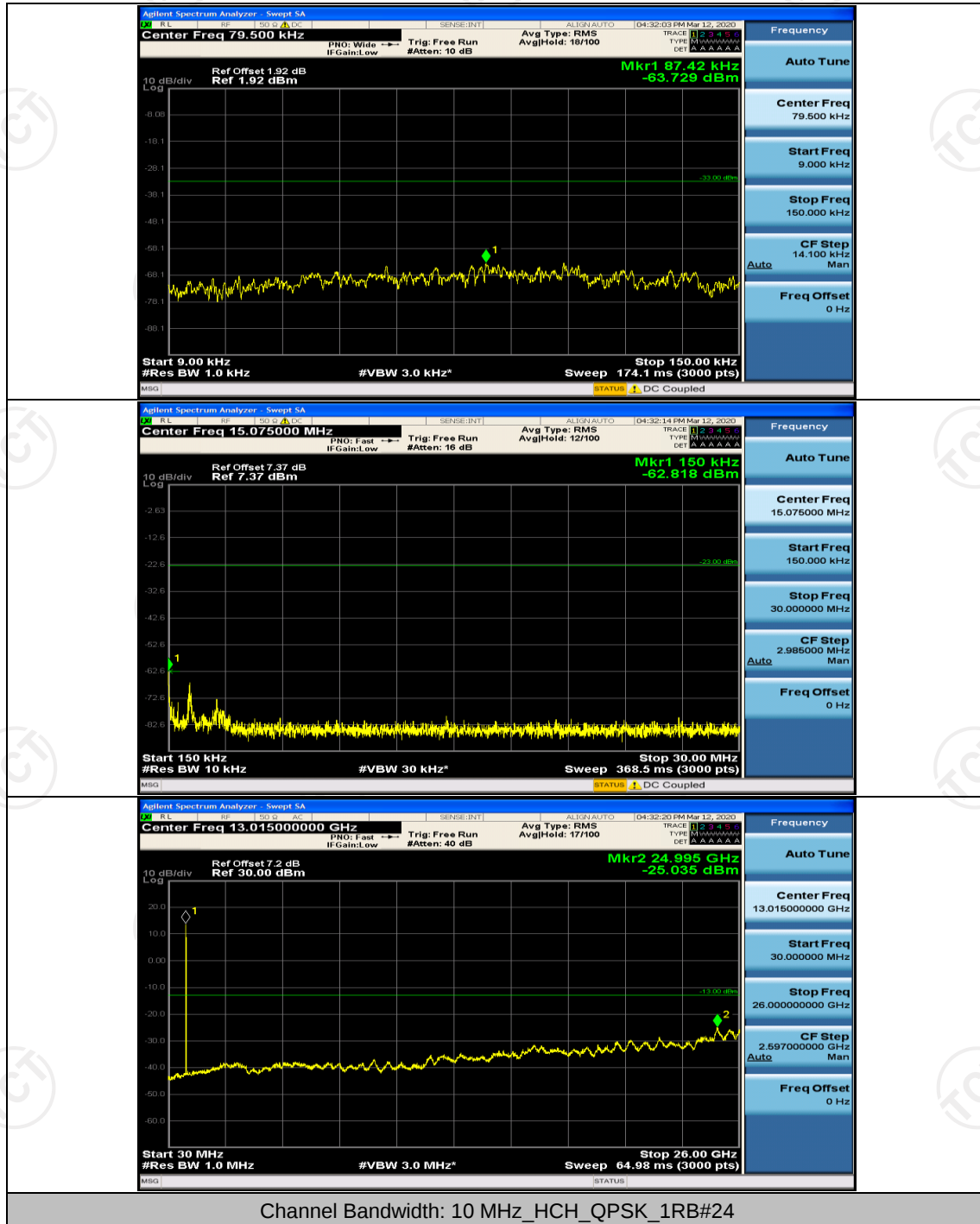


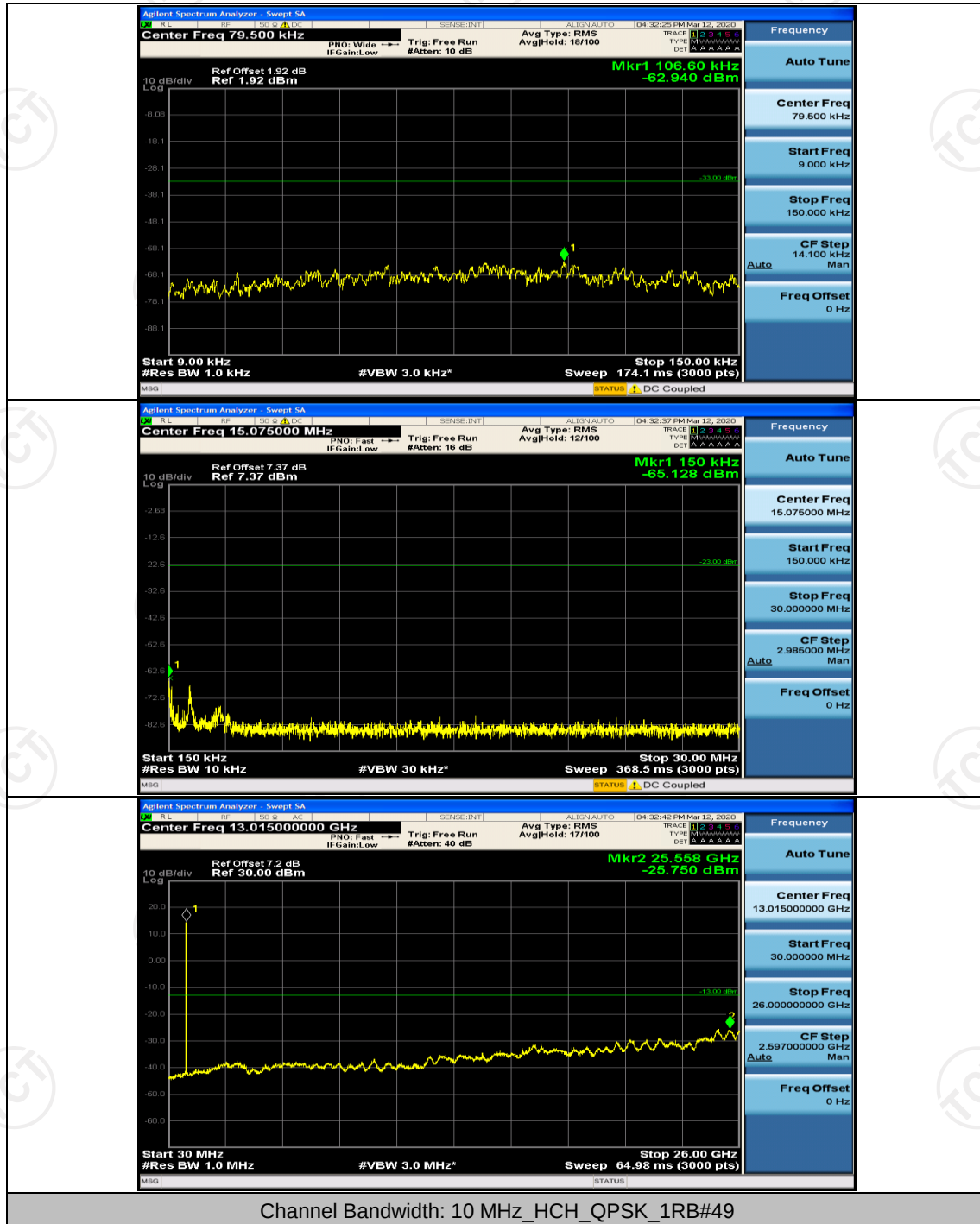


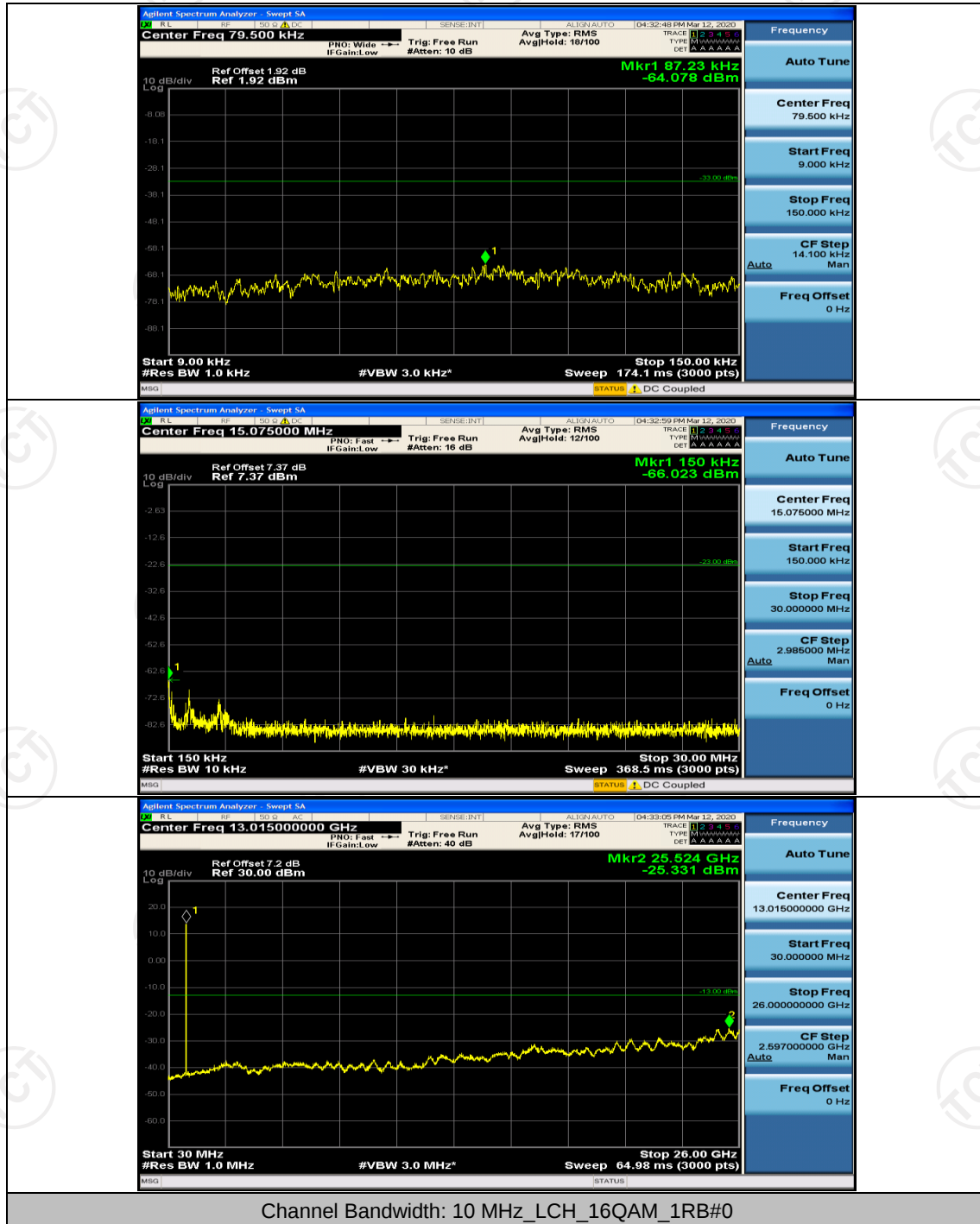


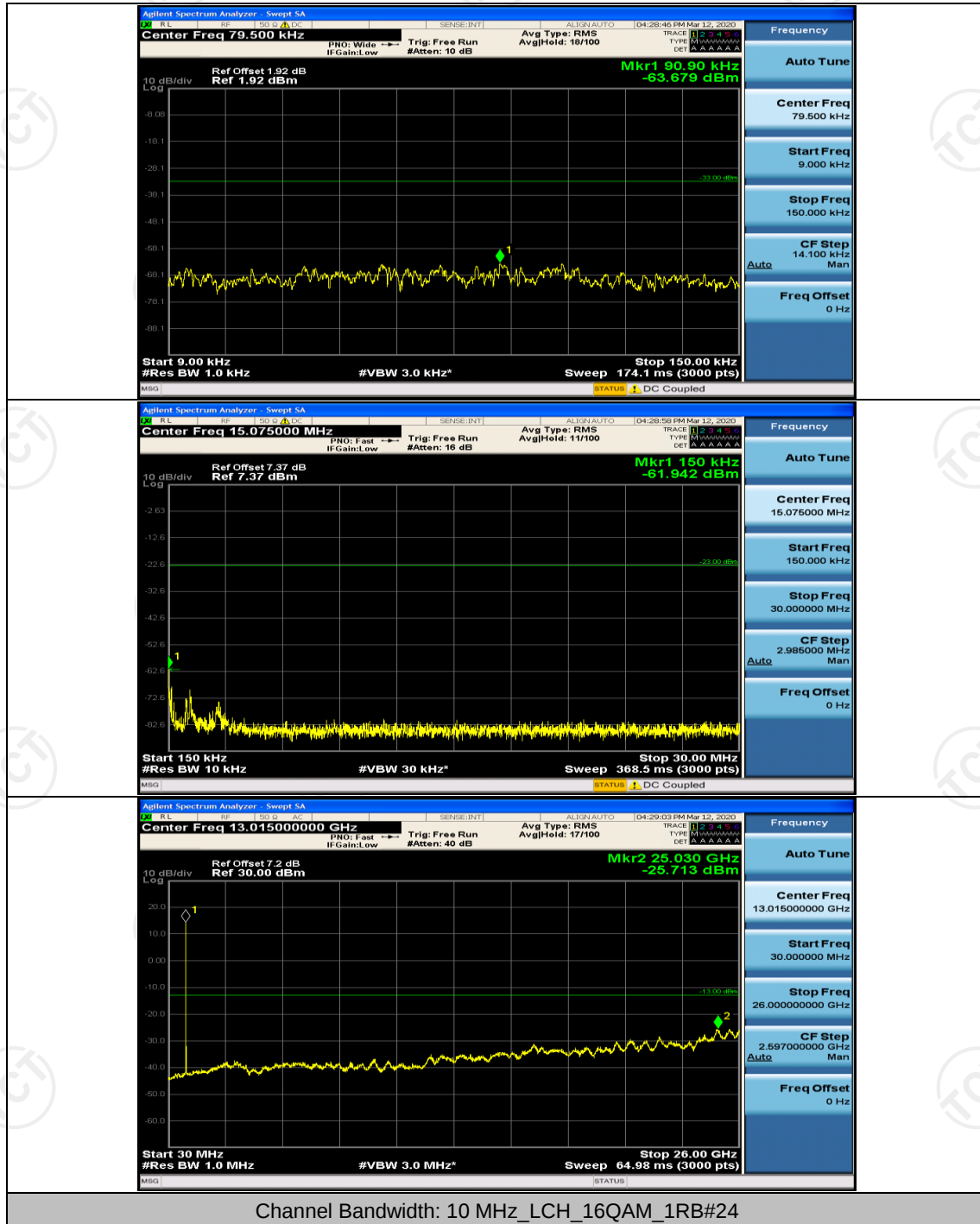


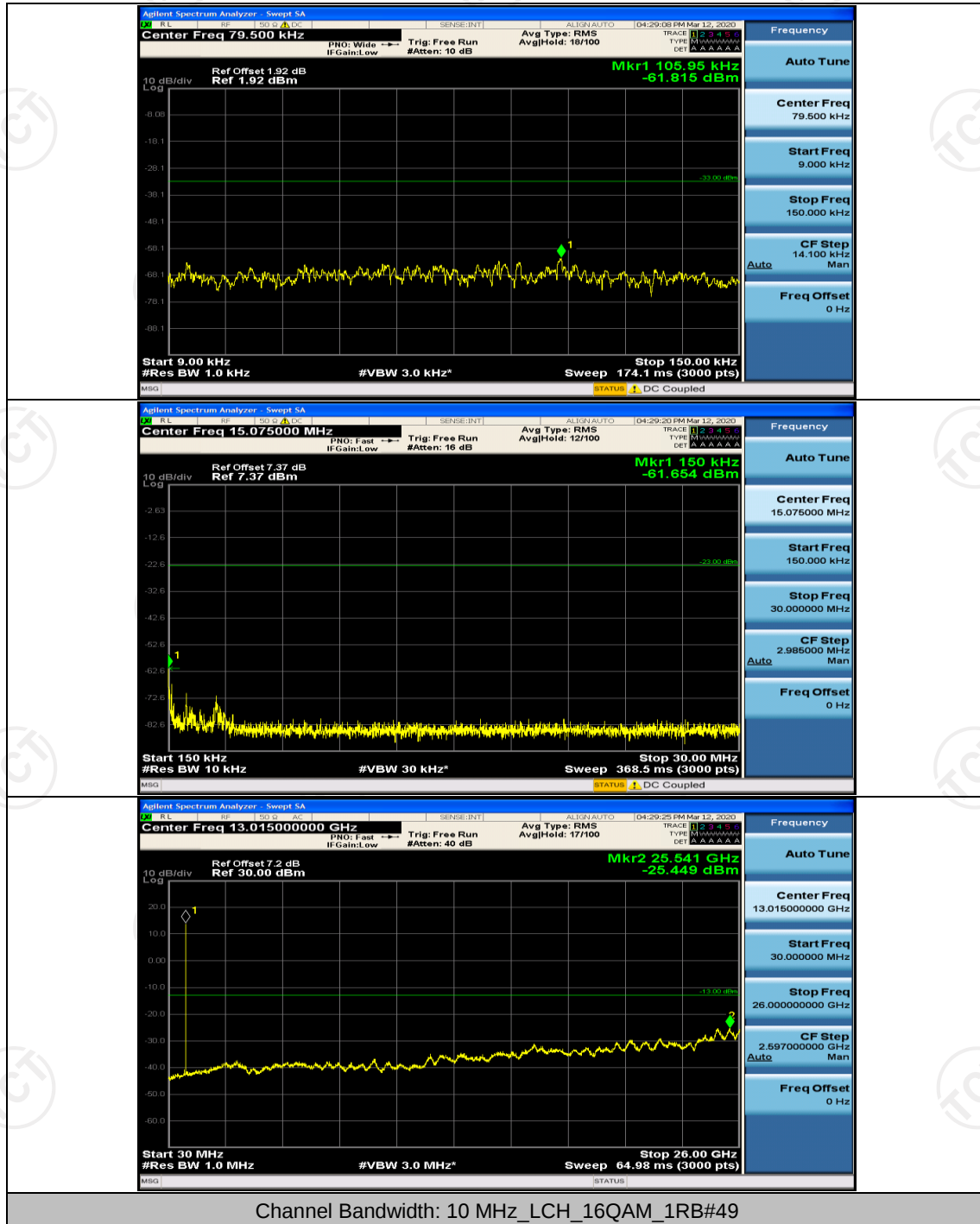


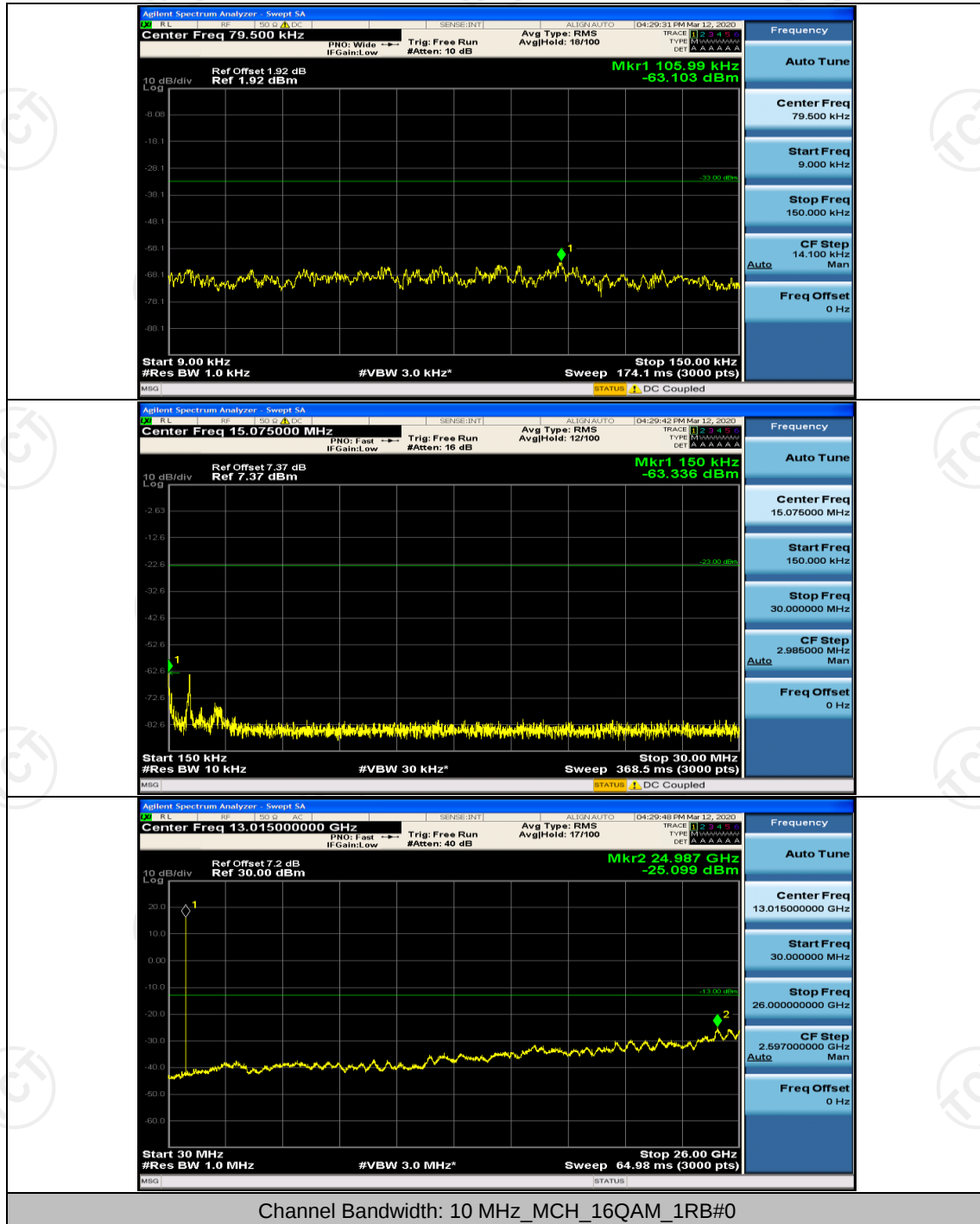


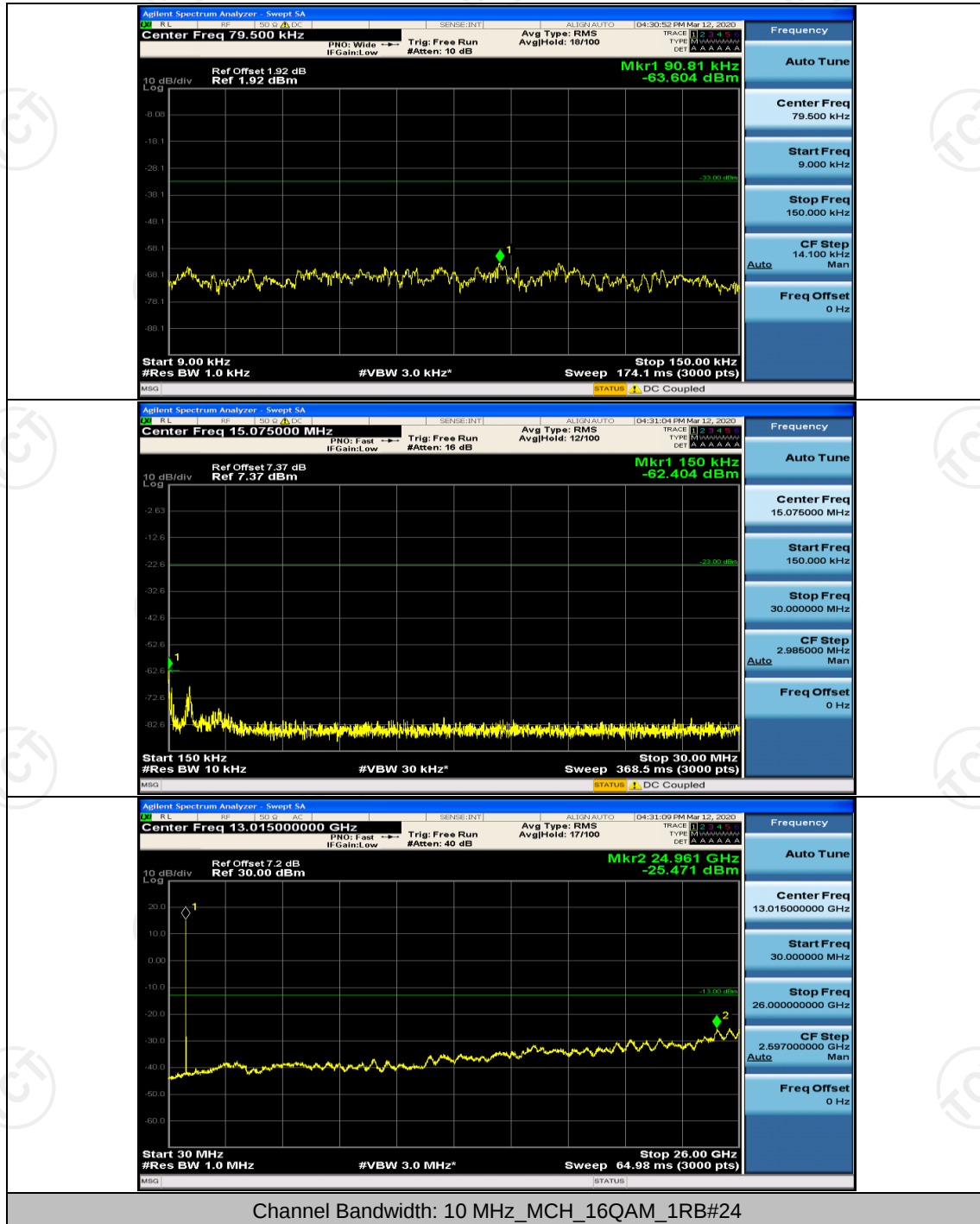


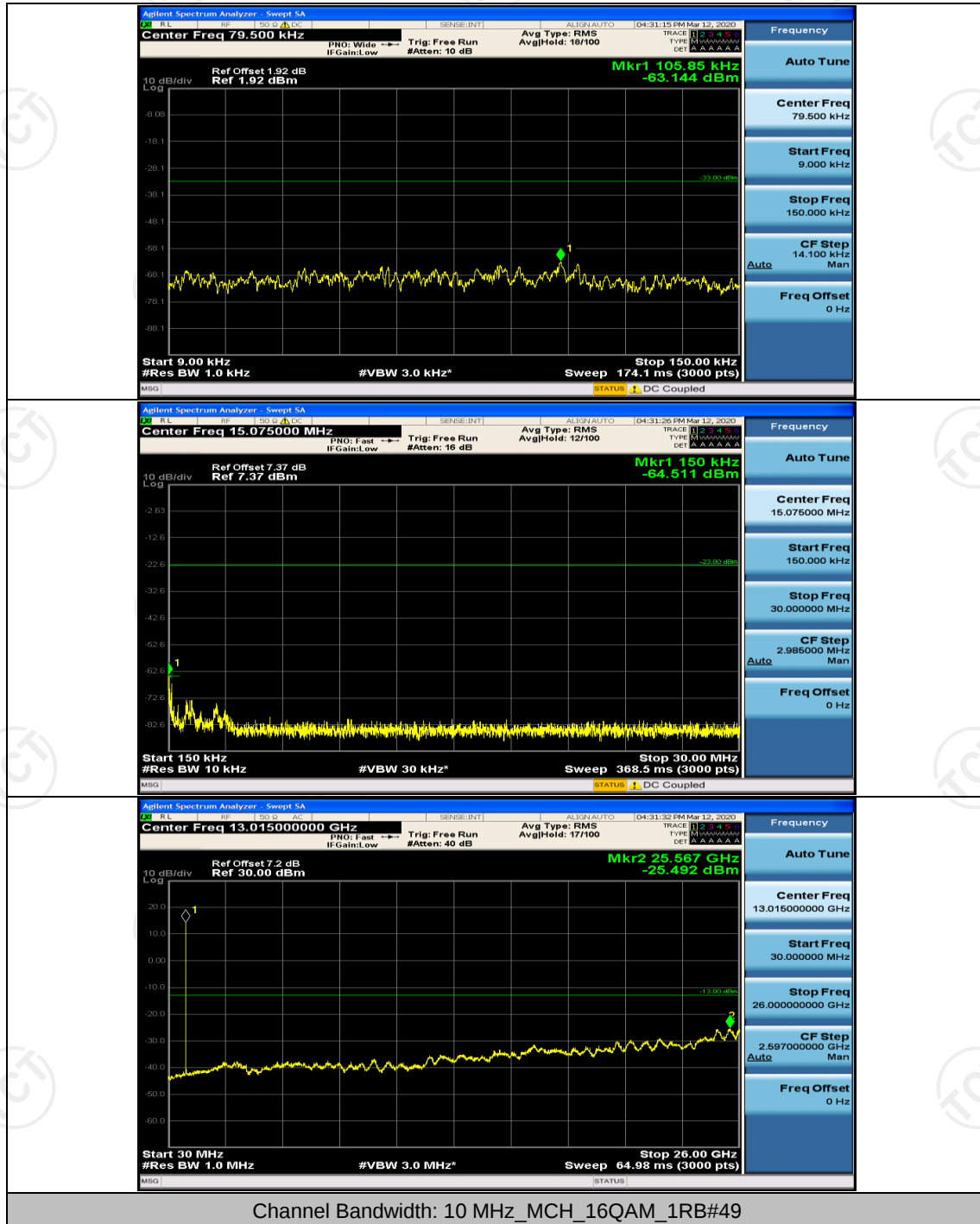


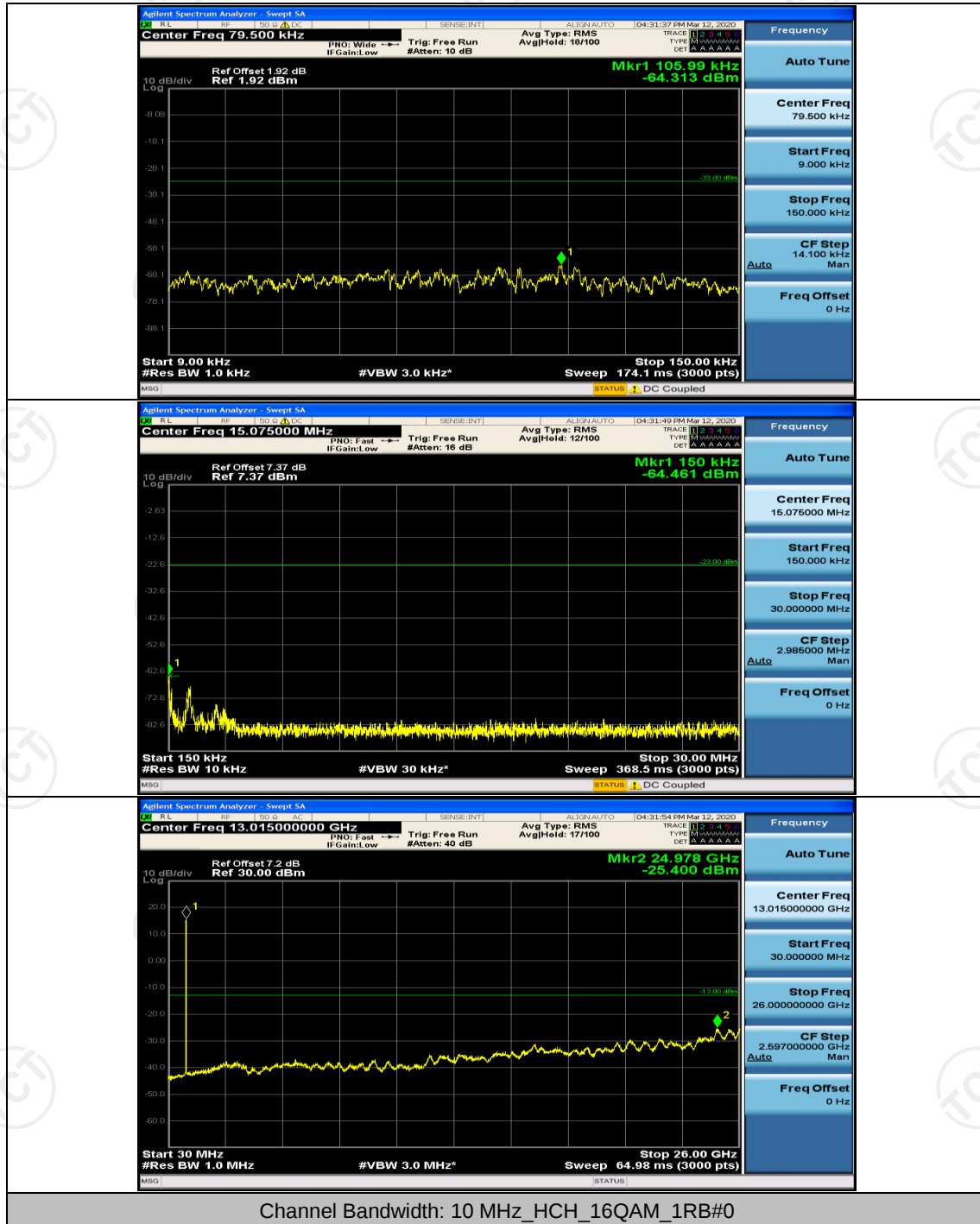


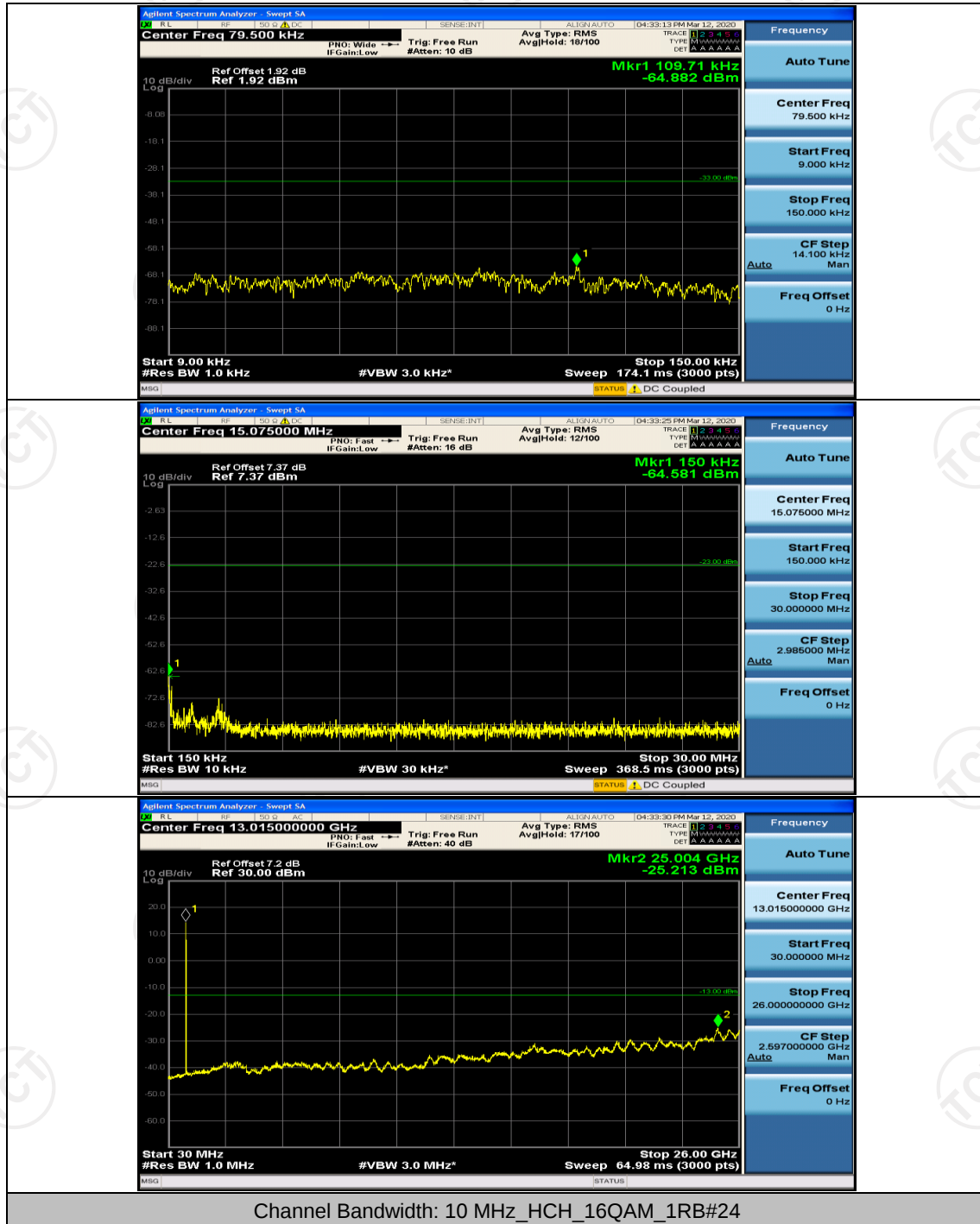


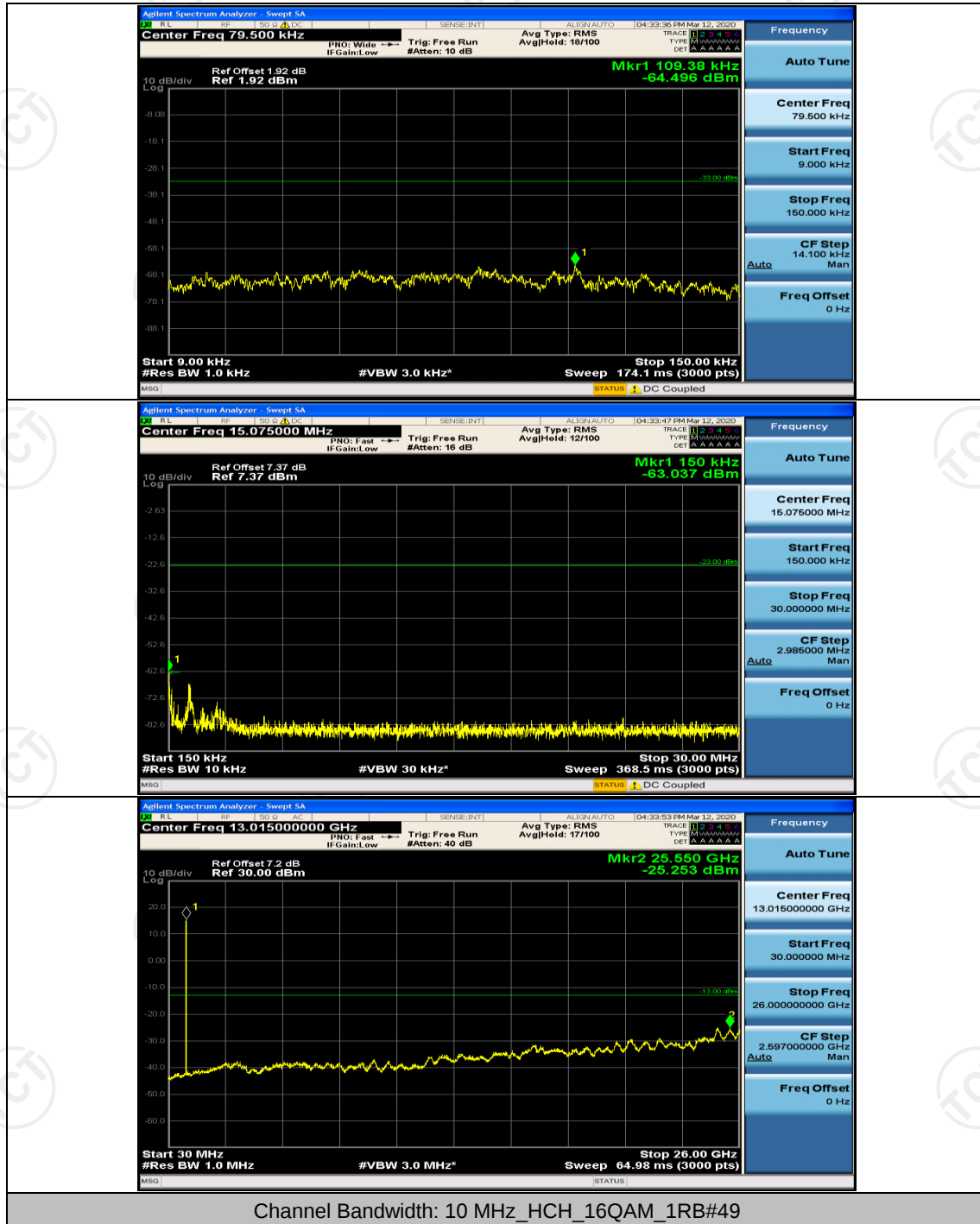


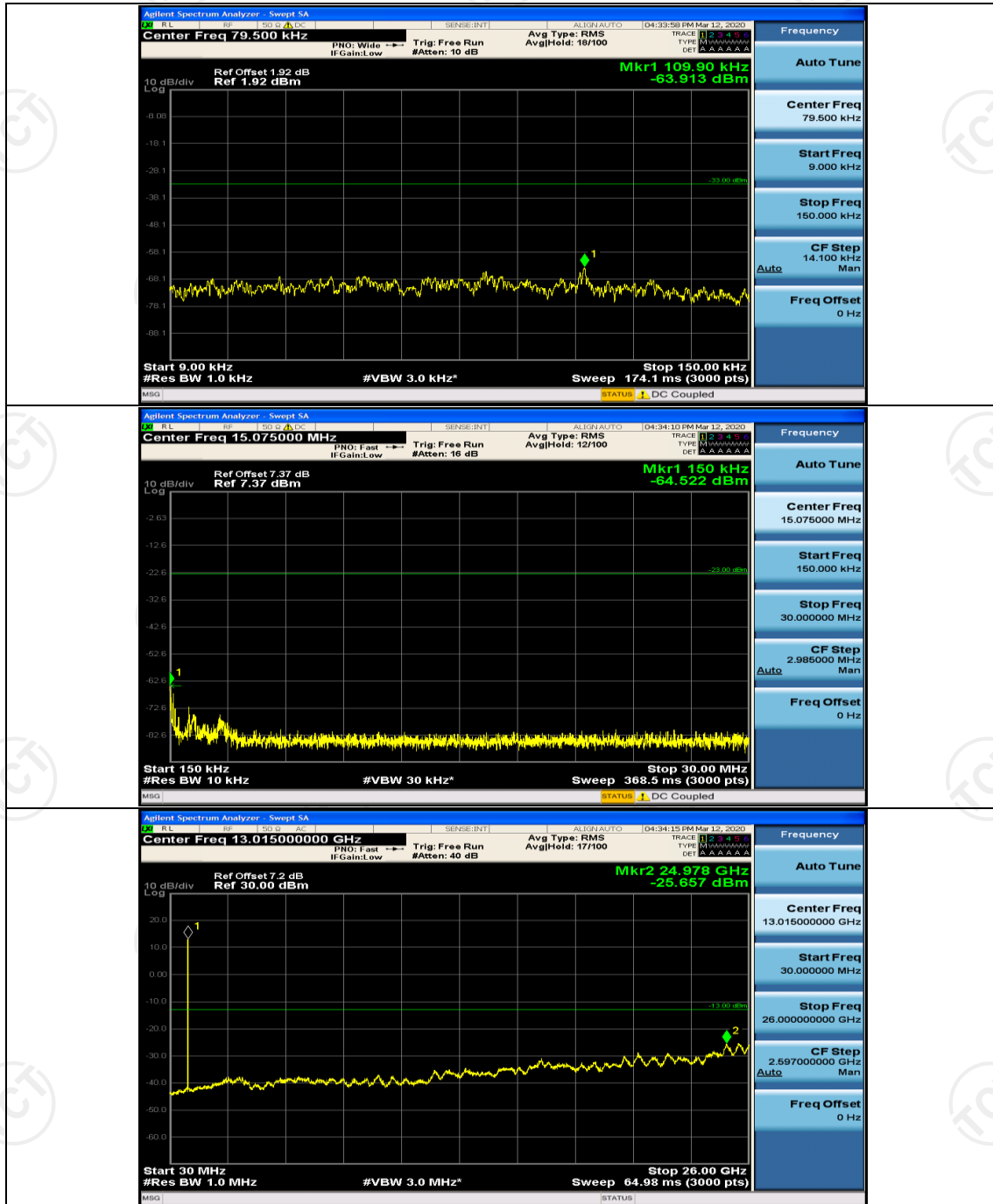












Appendix F: Frequency Stability

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	3.4	25	-7.67	-0.009975	± 2.5	PASS
		3.7	25	-7.55	-0.009159	± 2.5	PASS
		4.2	25	-7.42	-0.008431	± 2.5	PASS
	MCH	3.4	25	-7.30	-0.007559	± 2.5	PASS
		3.7	25	-6.64	-0.007935	± 2.5	PASS
		4.2	25	-6.51	-0.007502	± 2.5	PASS
	HCH	3.4	25	-6.43	-0.006976	± 2.5	PASS
		3.7	25	-7.00	-0.008246	± 2.5	PASS
		4.2	25	-7.34	-0.009003	± 2.5	PASS
16QAM	LCH	3.4	25	-7.56	-0.009250	± 2.5	PASS
		3.7	25	-3.10	-0.003764	± 2.5	PASS
		4.2	25	-3.22	-0.003799	± 2.5	PASS
	MCH	3.4	25	-3.40	-0.003816	± 2.5	PASS
		3.7	25	-2.46	-0.002941	± 2.5	PASS
		4.2	25	-2.59	-0.003034	± 2.5	PASS
	HCH	3.4	25	-2.67	-0.003107	± 2.5	PASS
		3.7	25	-6.57	-0.007740	± 2.5	PASS
		4.2	25	-6.34	-0.007683	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-5.32	-0.006038	± 2.5	PASS
		3.7	-20	-5.13	-0.005930	± 2.5	PASS
		3.7	-10	-4.91	-0.005834	± 2.5	PASS
		3.7	0	-4.83	-0.005790	± 2.5	PASS
		3.7	10	-4.78	-0.005731	± 2.5	PASS
		3.7	20	-4.66	-0.005655	± 2.5	PASS
		3.7	30	0.27	0.000330	± 2.5	PASS
		3.7	40	-5.15	-0.006245	± 2.5	PASS
		3.7	50	-3.03	-0.003677	± 2.5	PASS
	MCH	3.7	-30	-2.95	-0.003514	± 2.5	PASS
		3.7	-20	-2.87	-0.003409	± 2.5	PASS
		3.7	-10	-2.68	-0.003346	± 2.5	PASS
		3.7	0	-2.59	-0.003218	± 2.5	PASS
		3.7	10	-2.45	-0.003107	± 2.5	PASS

		3.7	20	-2.39	-0.002856	± 2.5	PASS
		3.7	30	-8.53	-0.010192	± 2.5	PASS
		3.7	40	-2.20	-0.002634	± 2.5	PASS
		3.7	50	-7.25	-0.008670	± 2.5	PASS
	HCH	3.7	-30	-7.32	-0.008911	± 2.5	PASS
		3.7	-20	-7.39	-0.009067	± 2.5	PASS
		3.7	-10	-7.50	-0.009306	± 2.5	PASS
		3.7	0	-7.62	-0.009534	± 2.5	PASS
		3.7	10	-7.52	-0.009311	± 2.5	PASS
		3.7	20	-7.32	-0.008634	± 2.5	PASS
		3.7	30	-6.90	-0.008128	± 2.5	PASS
		3.7	40	-6.82	-0.008044	± 2.5	PASS
		3.7	50	-5.68	-0.006695	± 2.5	PASS
		3.7	-30	-2.84	-0.002804	± 2.5	PASS
		3.7	-20	-2.73	-0.002790	± 2.5	PASS
		3.7	-10	-2.68	-0.002787	± 2.5	PASS
		3.7	0	-2.55	-0.002699	± 2.5	PASS
		3.7	10	-2.31	-0.002564	± 2.5	PASS
16QAM	LCH	3.7	20	-2.06	-0.002498	± 2.5	PASS
		3.7	30	-9.84	-0.011934	± 2.5	PASS
		3.7	40	-4.63	-0.005620	± 2.5	PASS
		3.7	50	-0.79	-0.000954	± 2.5	PASS
	MCH	3.7	-30	-0.85	-0.000993	± 2.5	PASS
		3.7	-20	-0.93	-0.001026	± 2.5	PASS
		3.7	-10	-1.08	-0.001120	± 2.5	PASS
		3.7	0	-1.23	-0.001319	± 2.5	PASS
		3.7	10	-3.86	-0.004773	± 2.5	PASS
		3.7	20	-4.15	-0.004959	± 2.5	PASS
		3.7	30	-1.33	-0.001590	± 2.5	PASS
		3.7	40	-2.88	-0.003437	± 2.5	PASS
		3.7	50	-5.87	-0.007011	± 2.5	PASS
	HCH	3.7	-30	-5.93	-0.007107	± 2.5	PASS
		3.7	-20	-6.09	-0.007230	± 2.5	PASS
		3.7	-10	-6.15	-0.007264	± 2.5	PASS
		3.7	0	-6.30	-0.007301	± 2.5	PASS
		3.7	10	-2.38	-0.002709	± 2.5	PASS
		3.7	20	-2.23	-0.002631	± 2.5	PASS
		3.7	30	-2.42	-0.002850	± 2.5	PASS
		3.7	40	-2.16	-0.002546	± 2.5	PASS
		3.7	50	-3.59	-0.004233	± 2.5	PASS