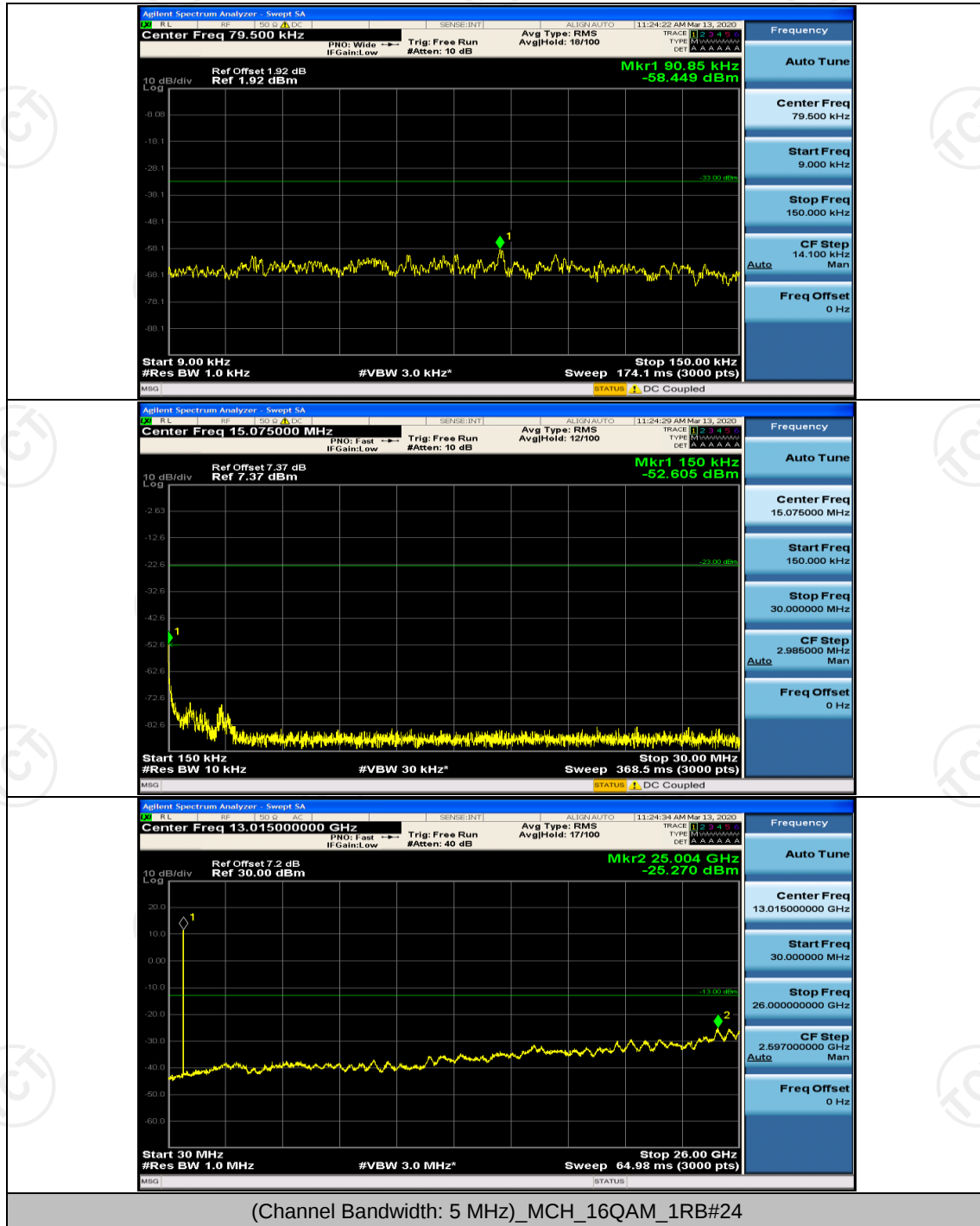
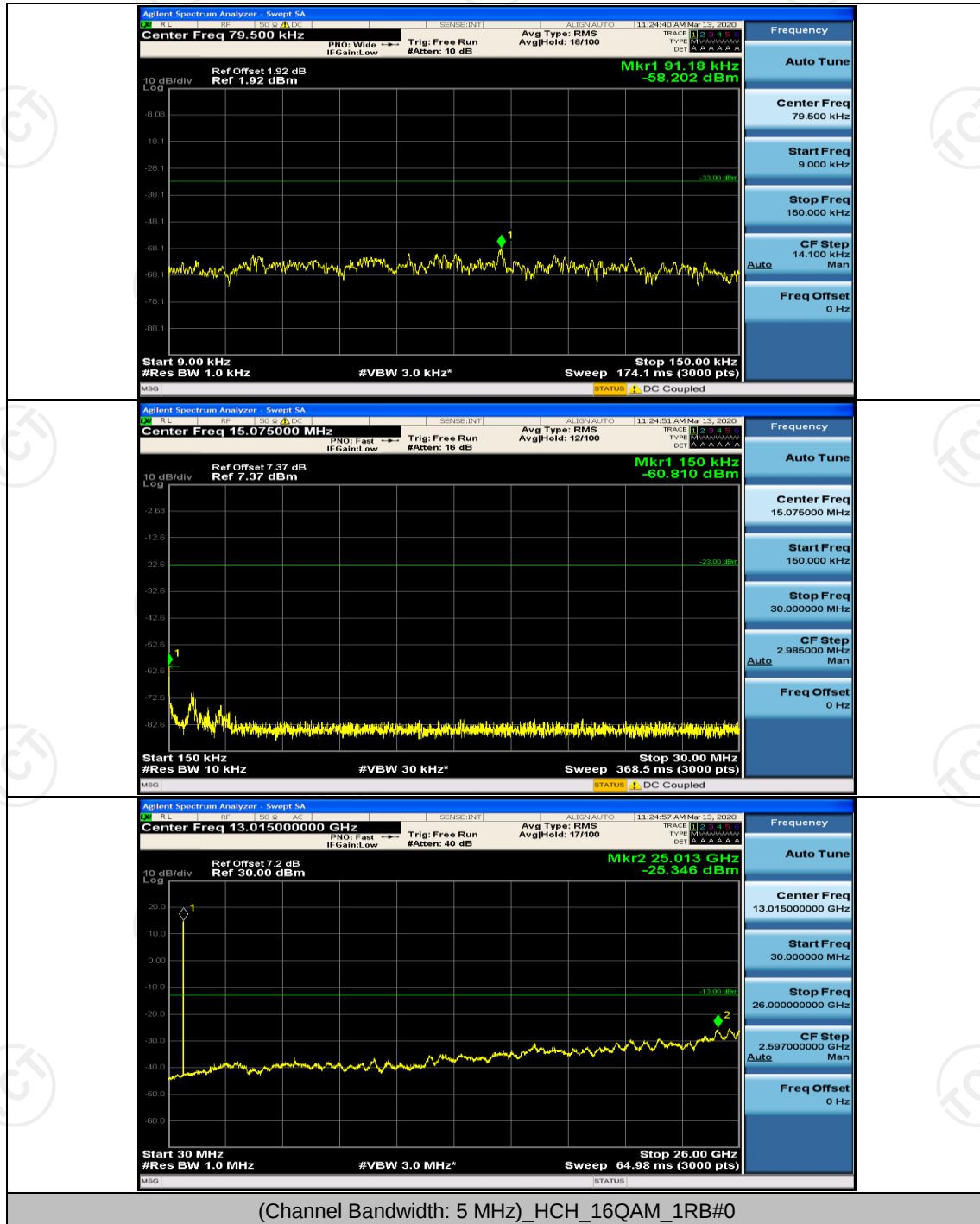
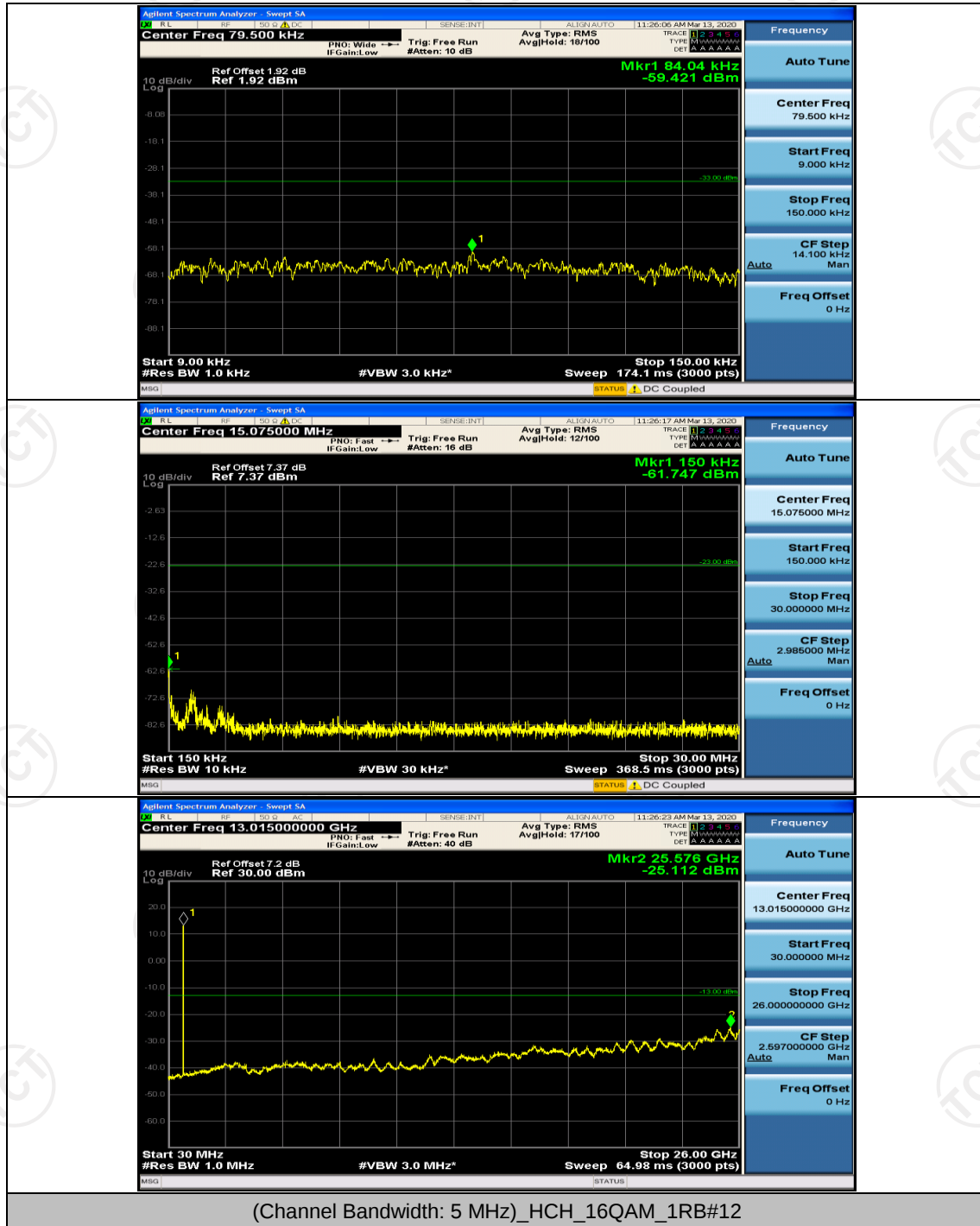
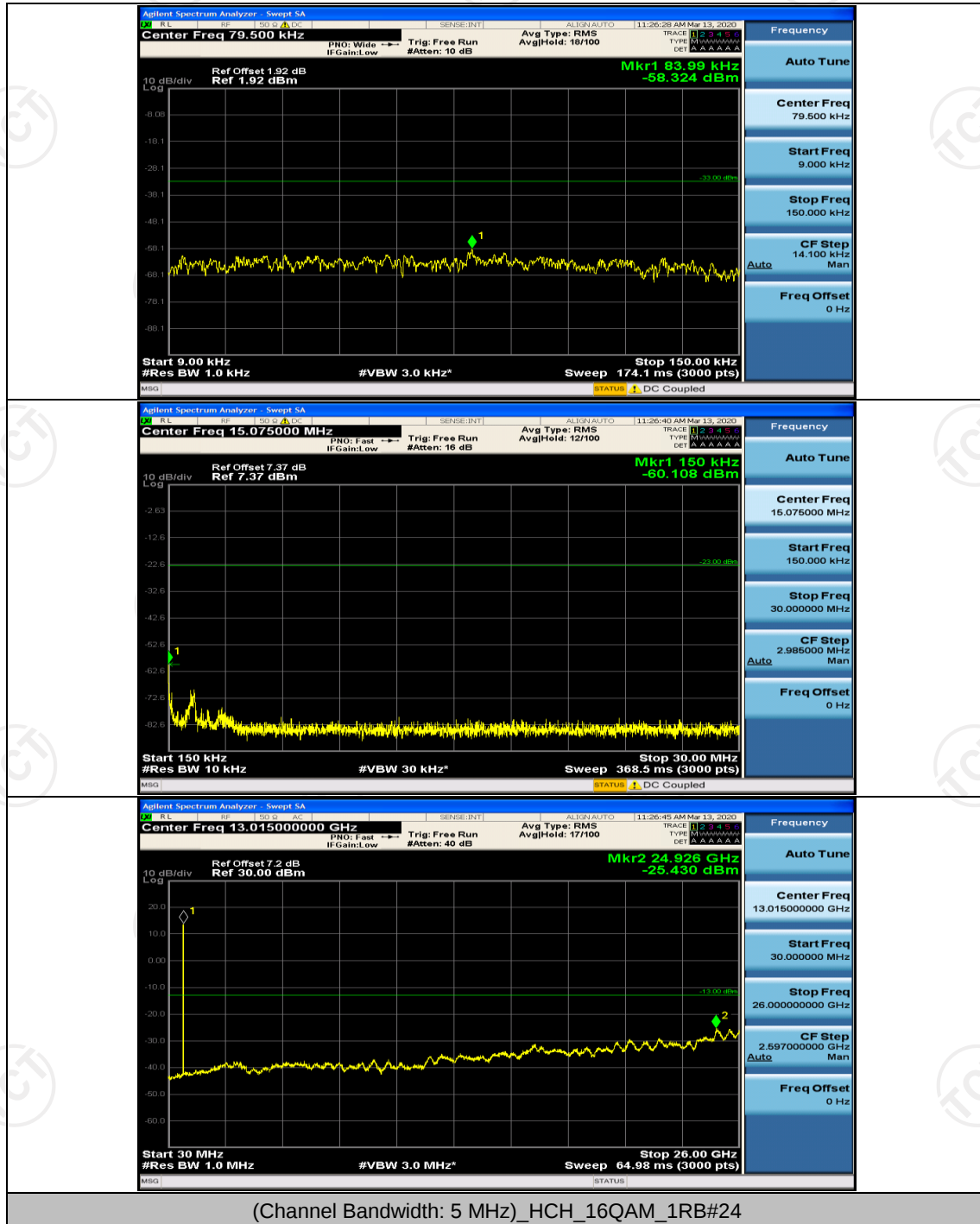
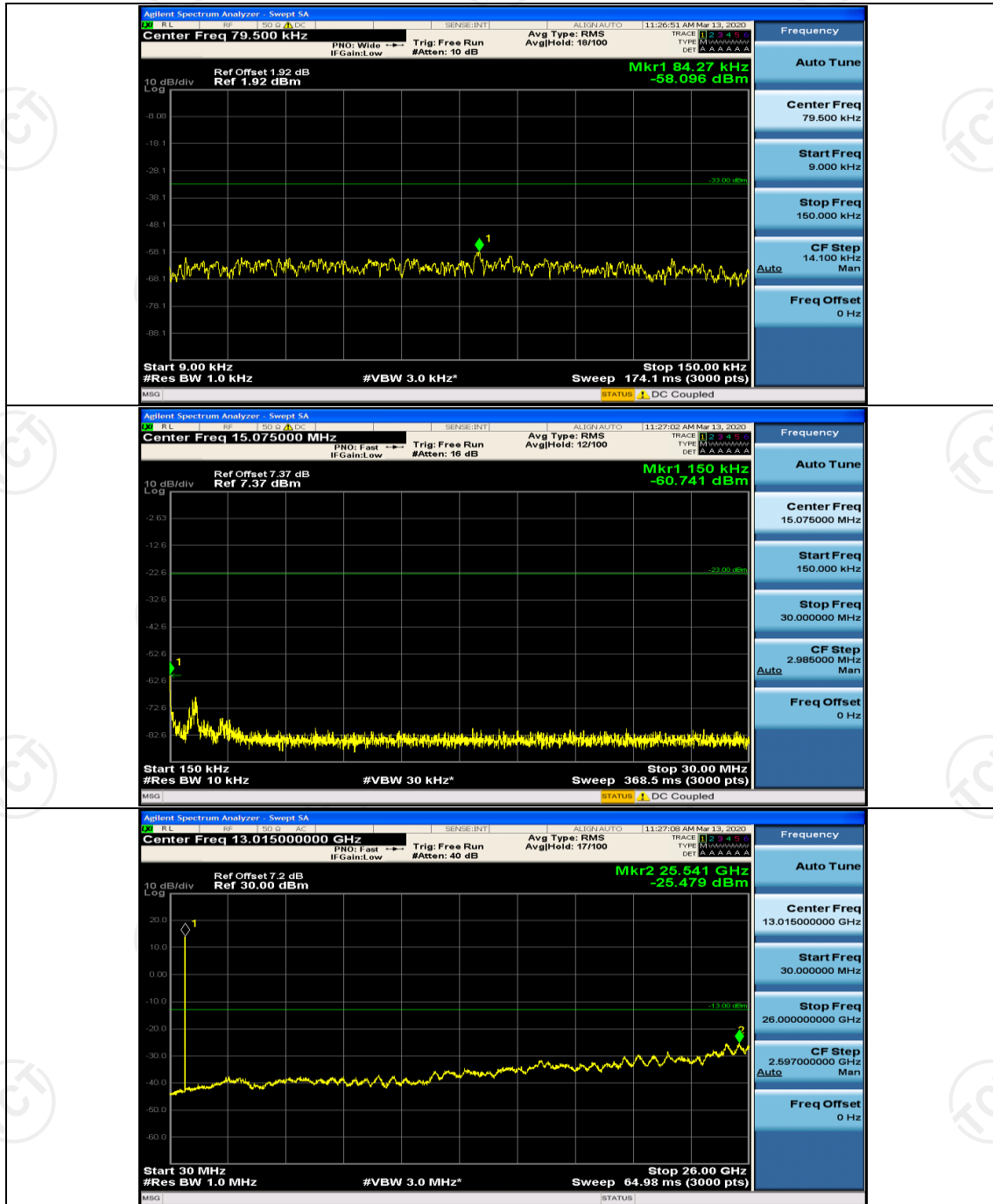




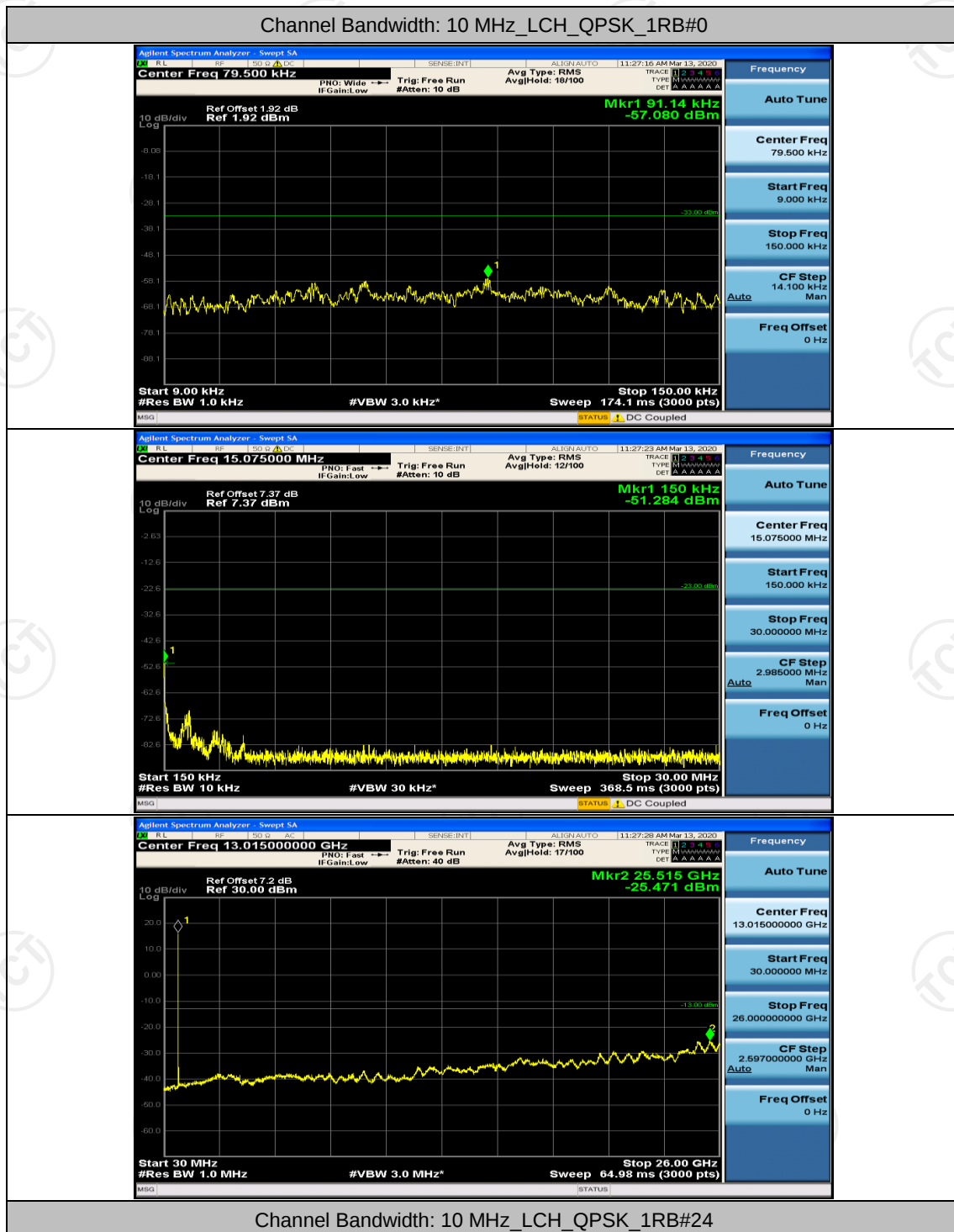


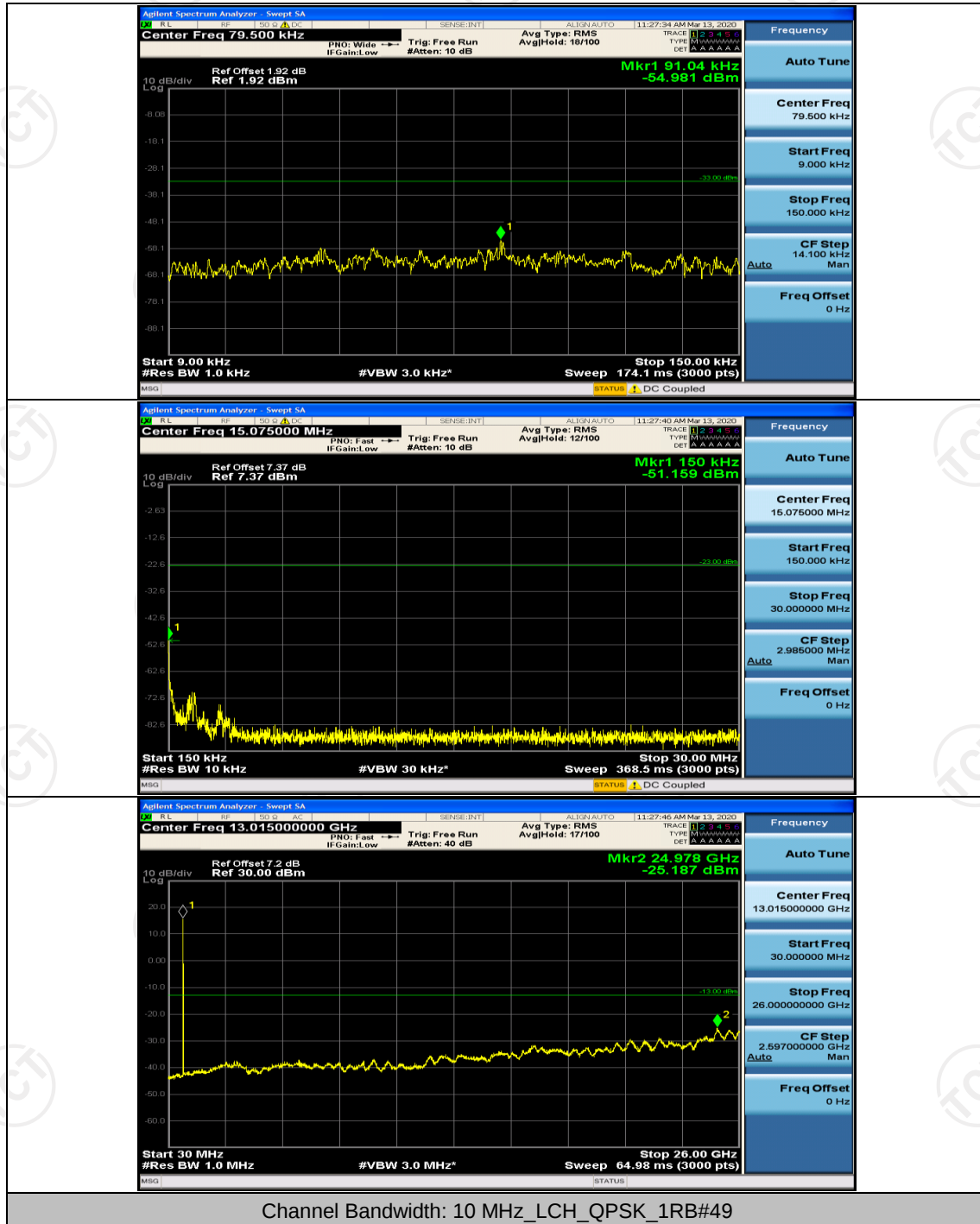


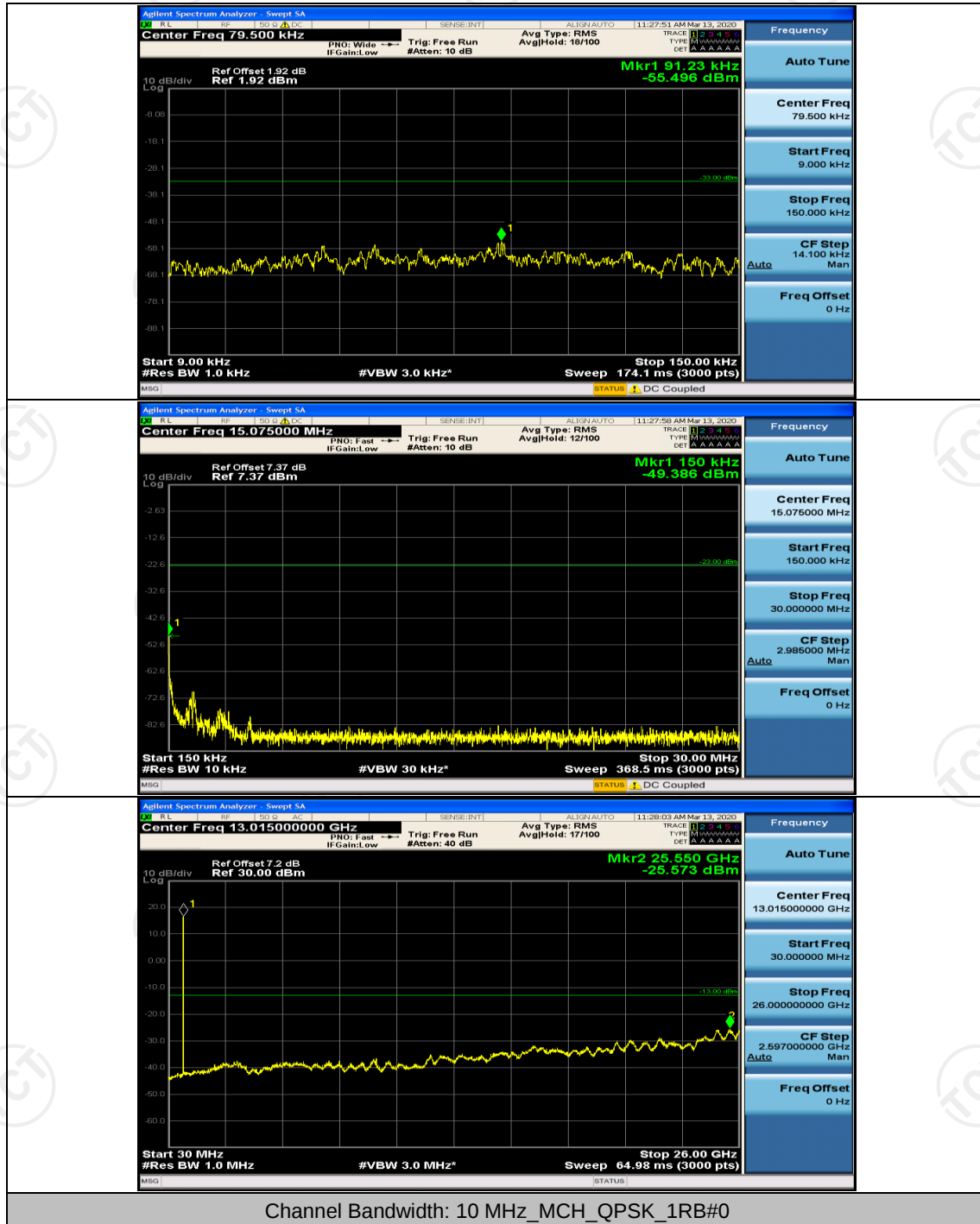


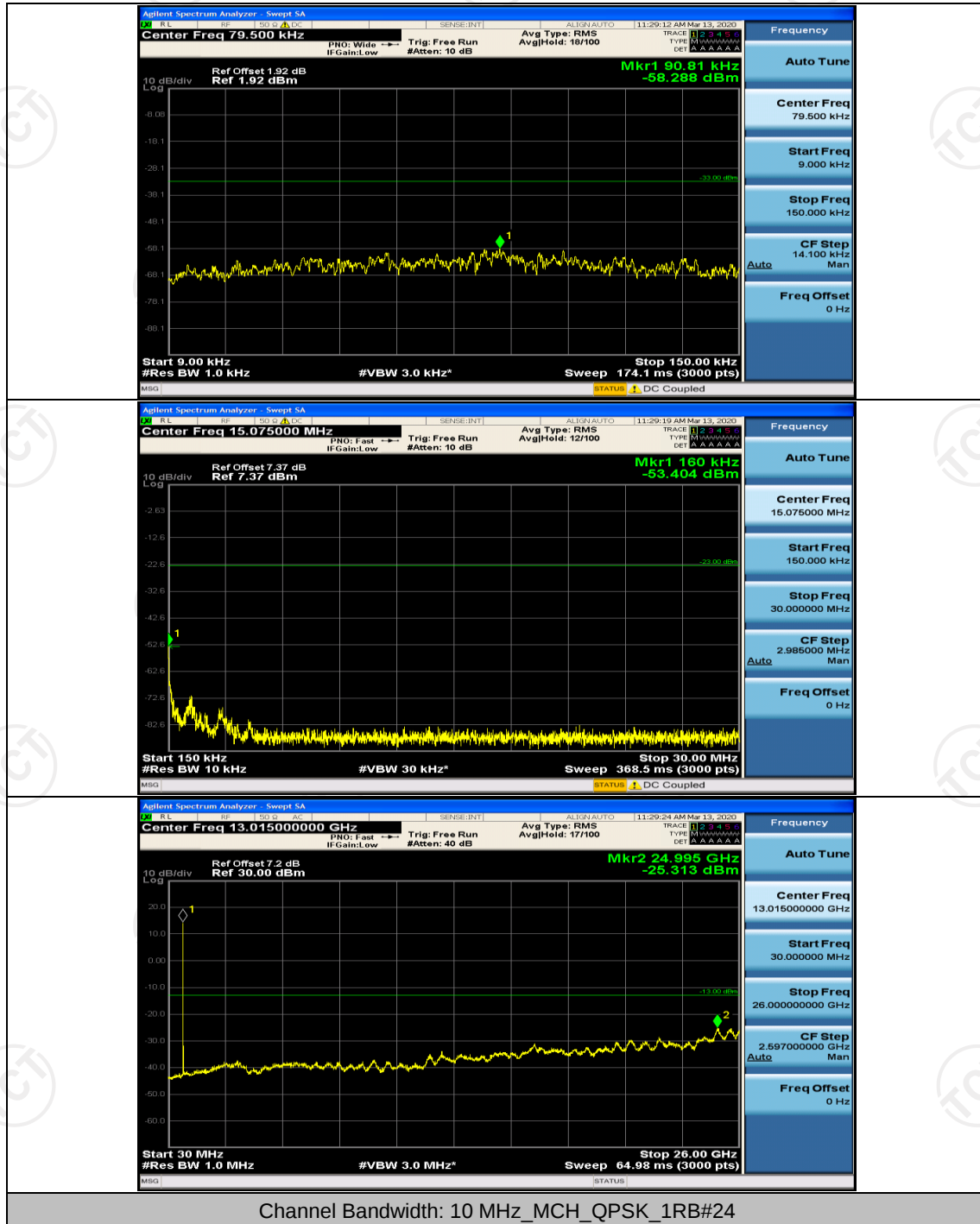


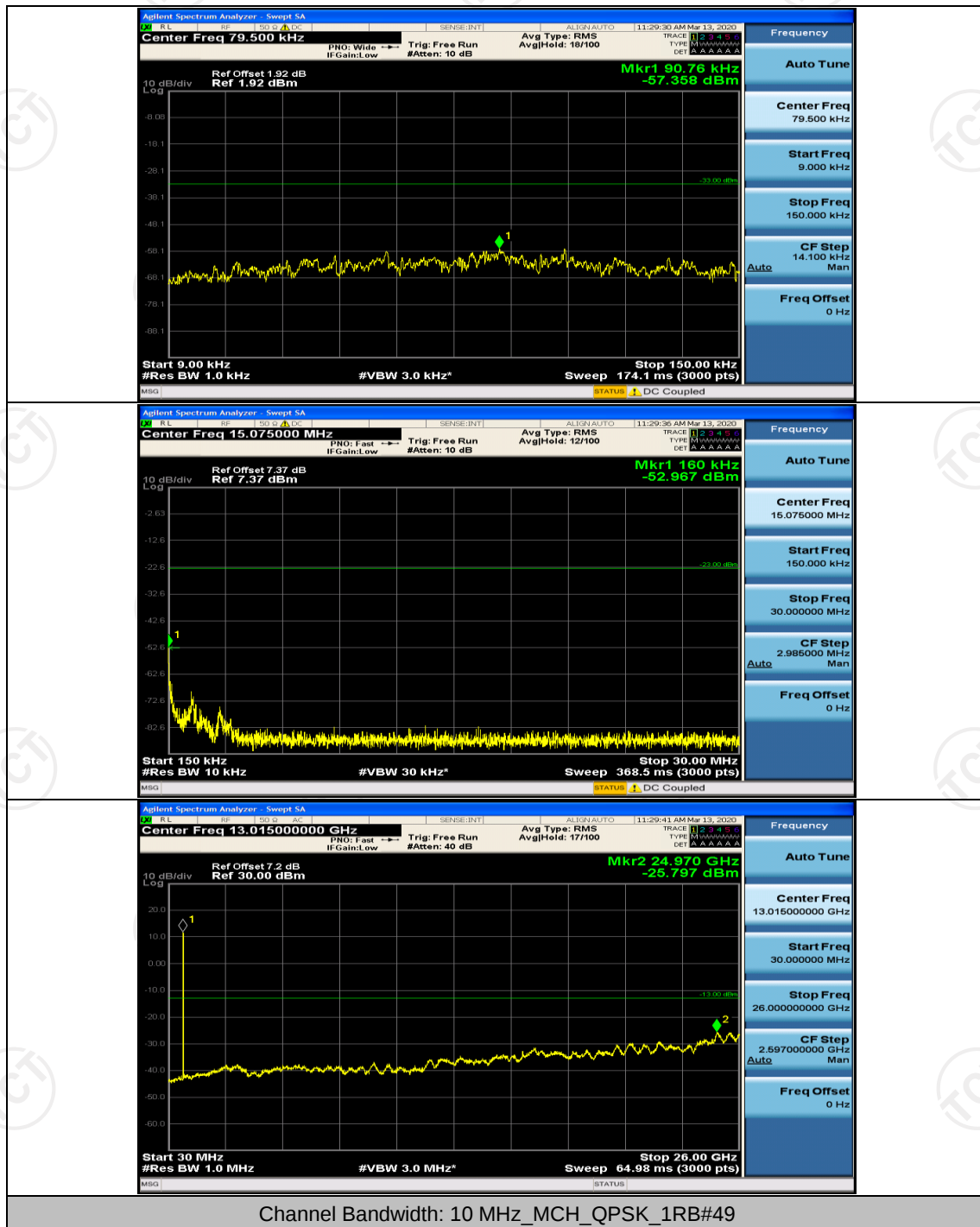
Channel Bandwidth: 10 MHz

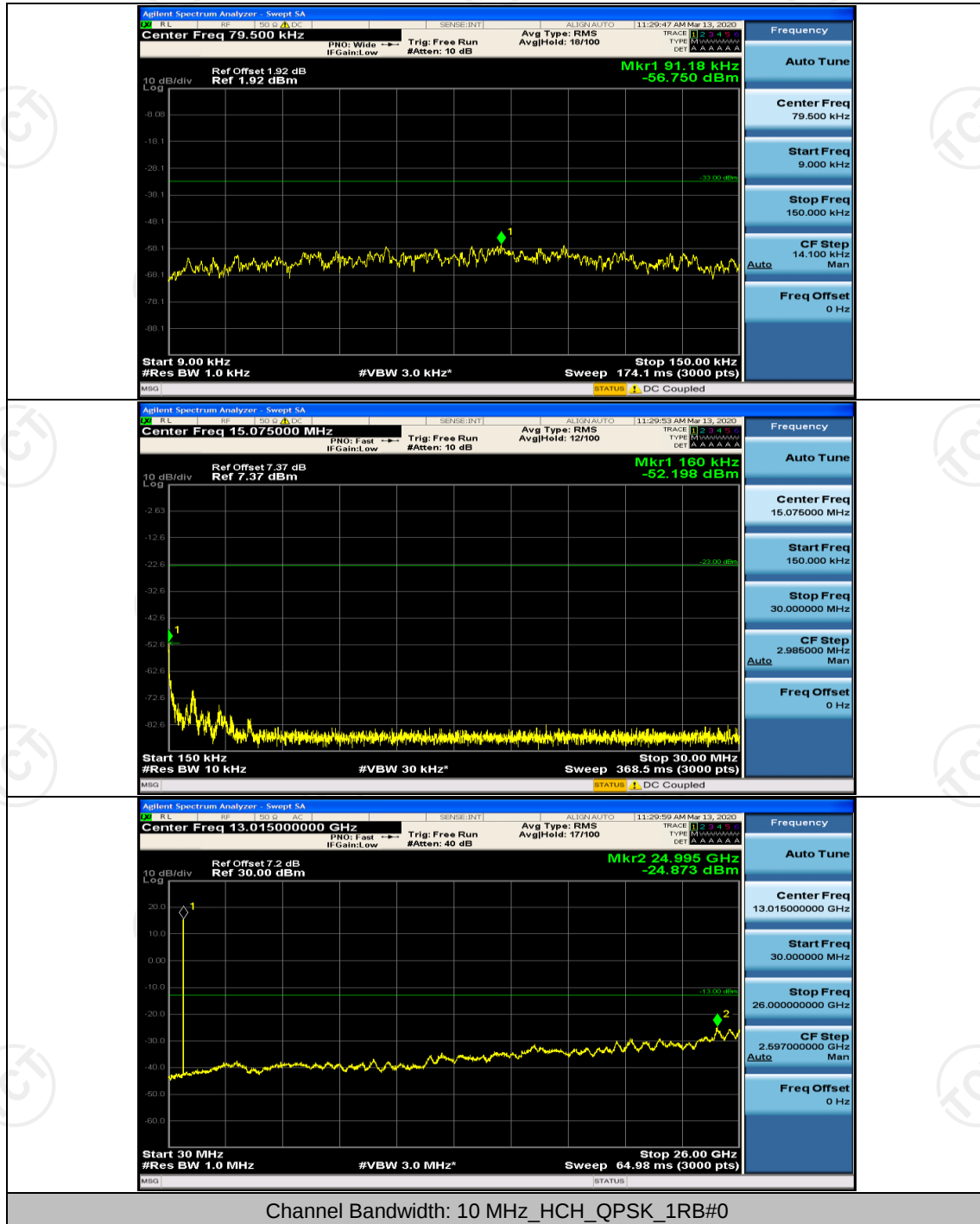


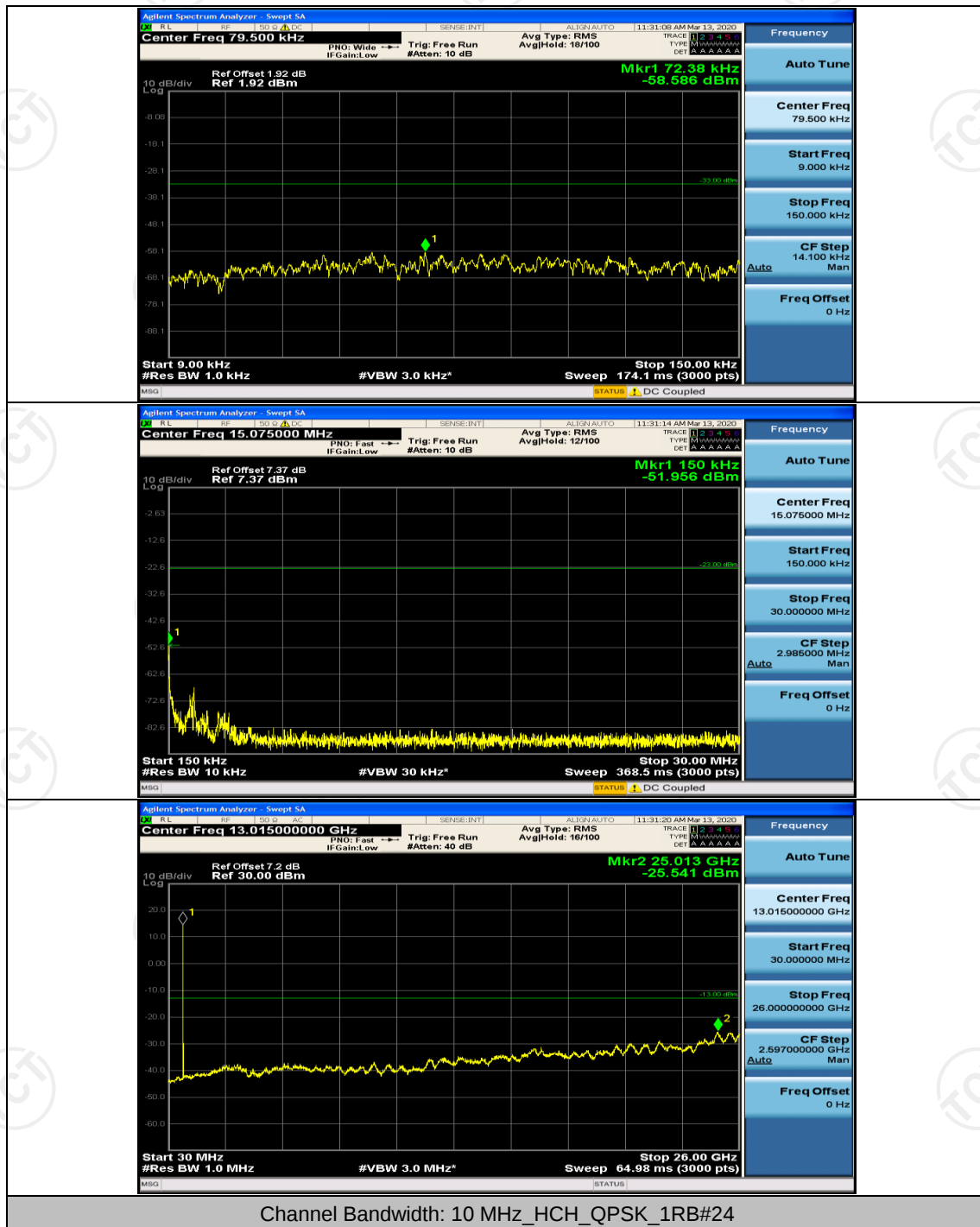


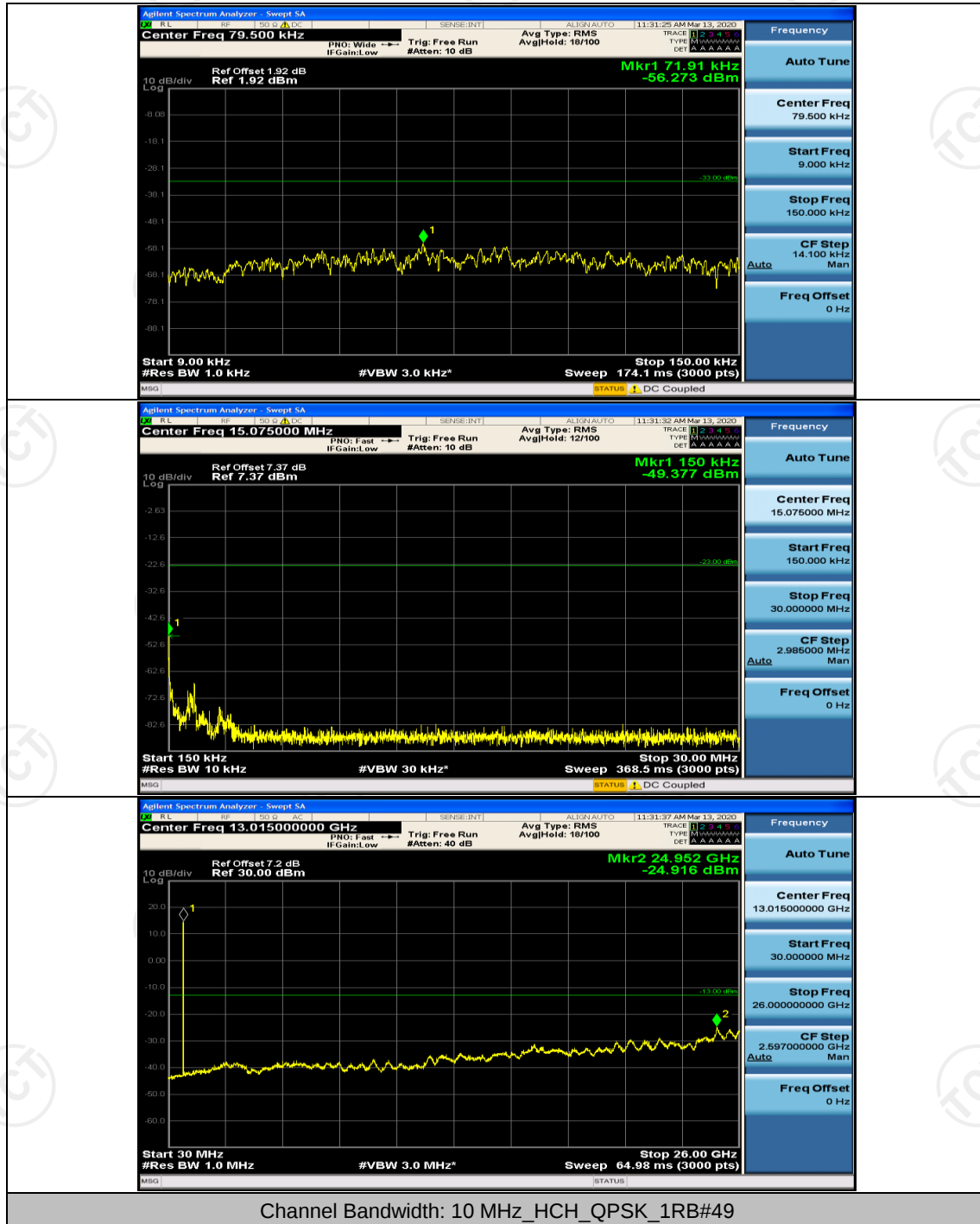


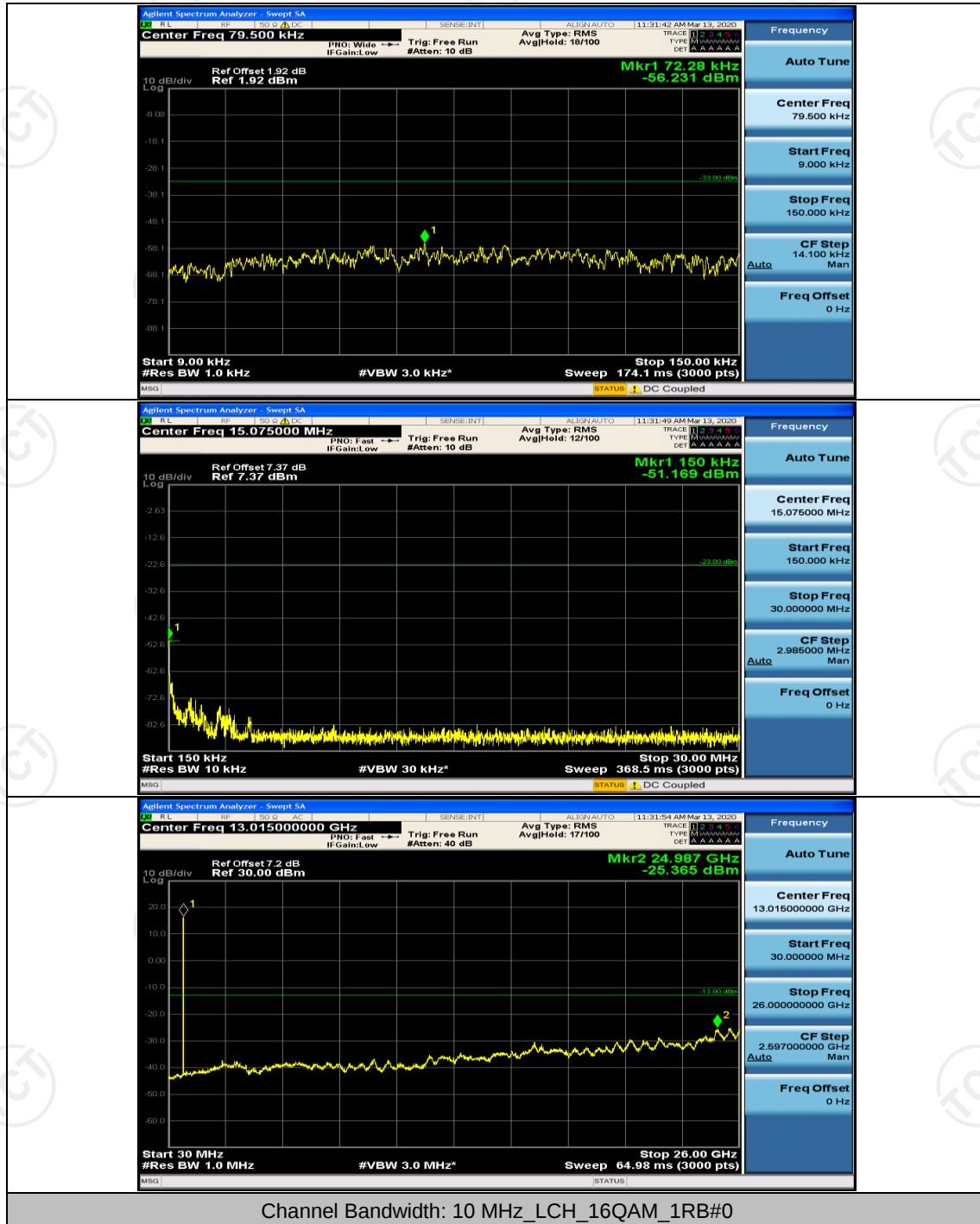


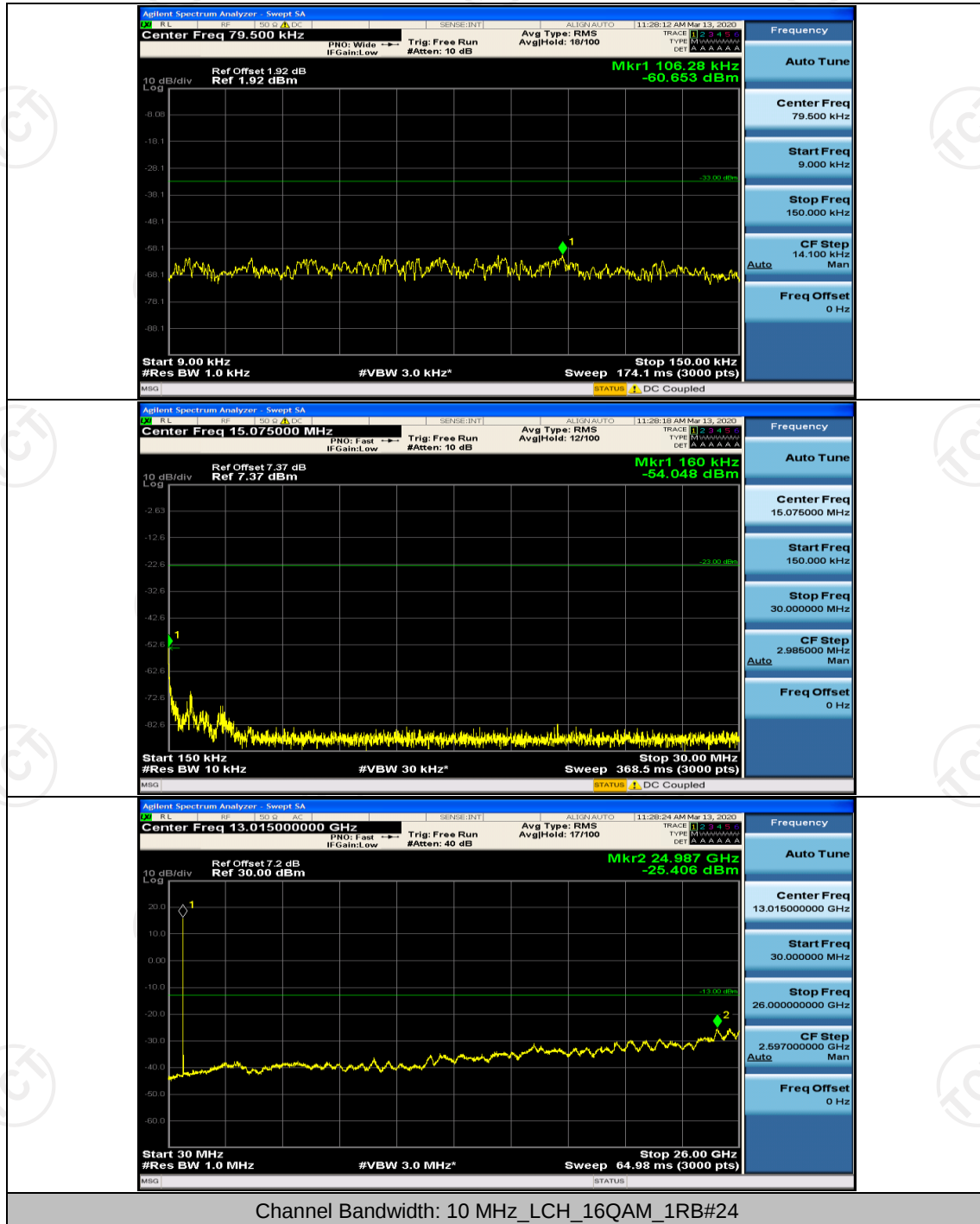


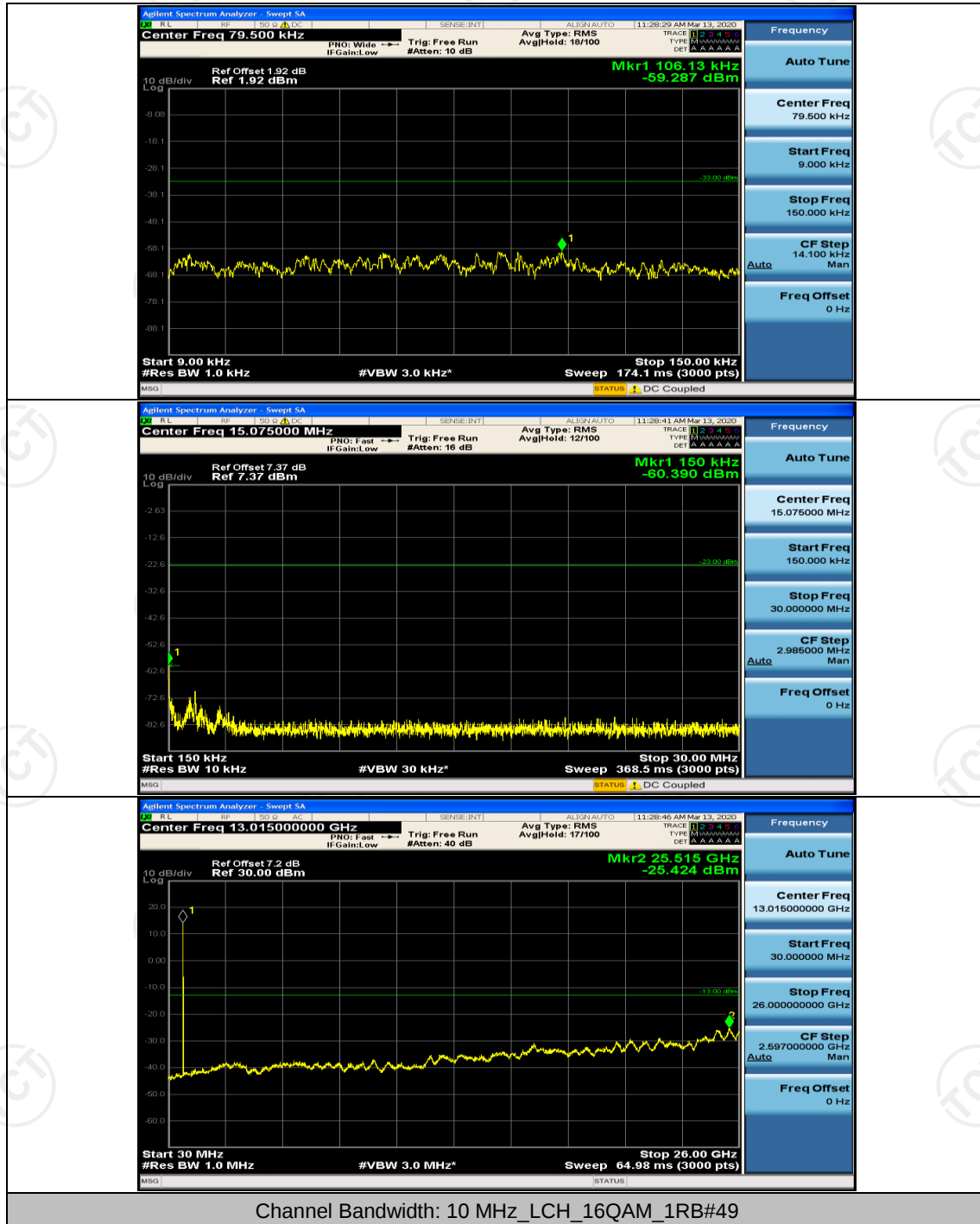


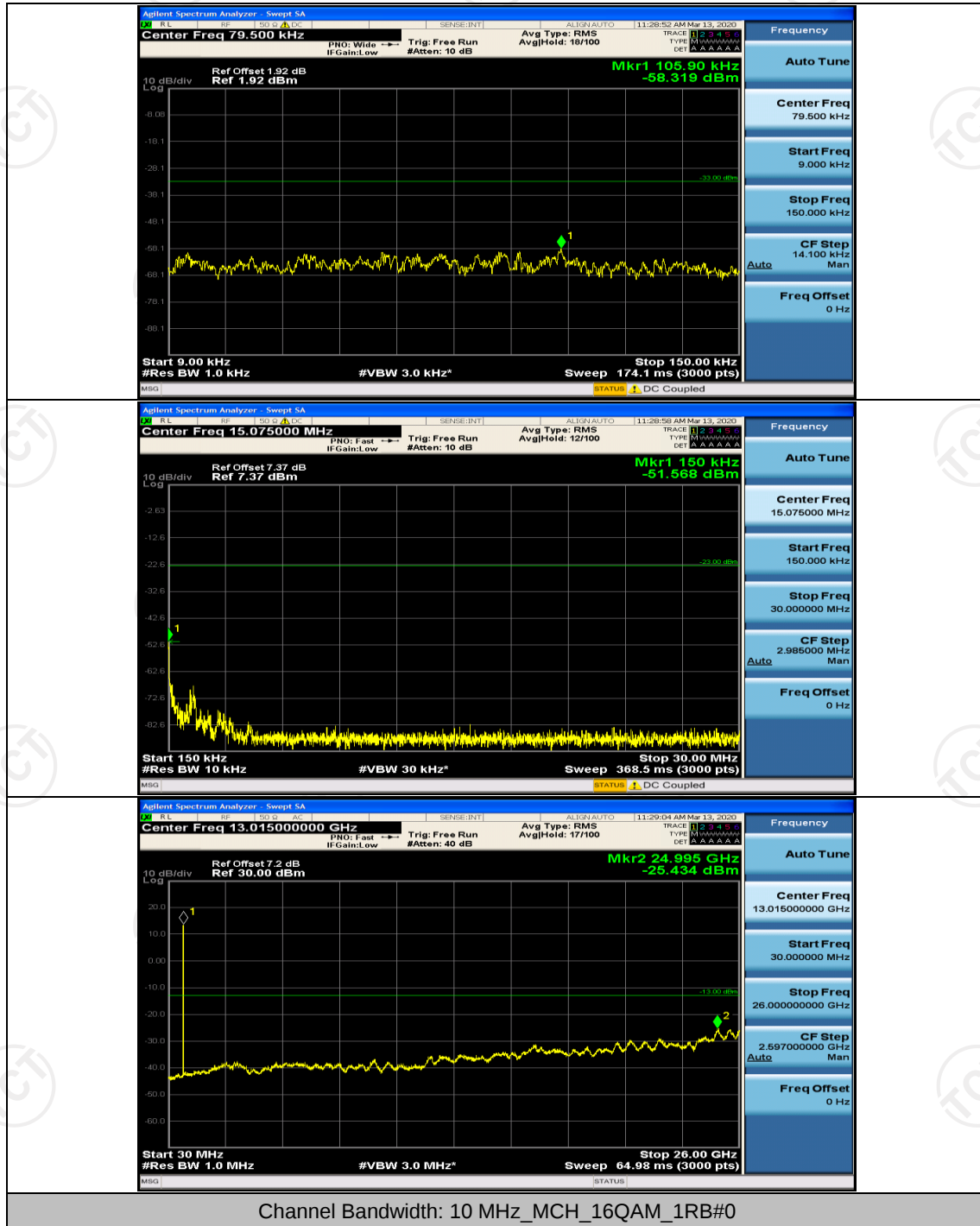


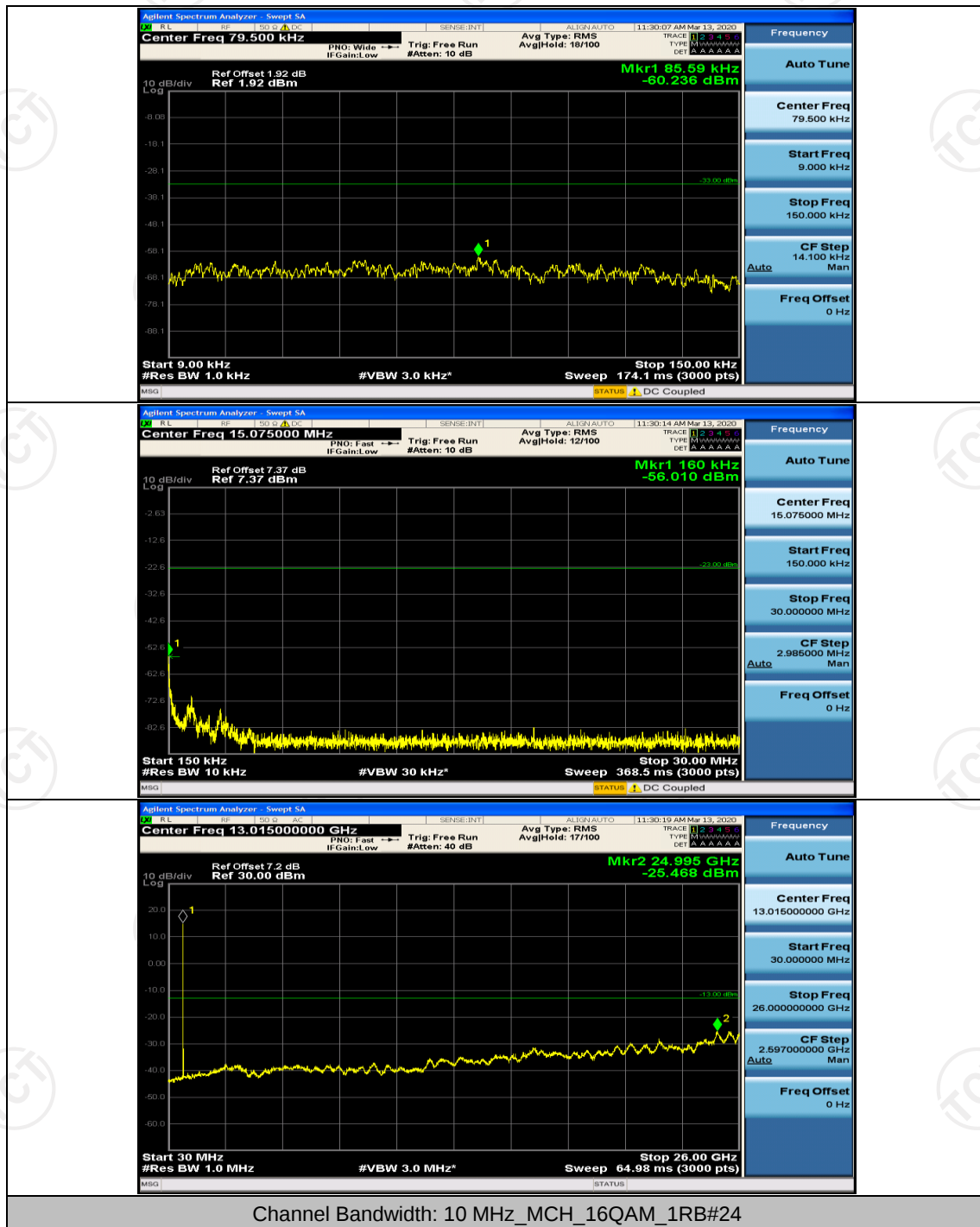


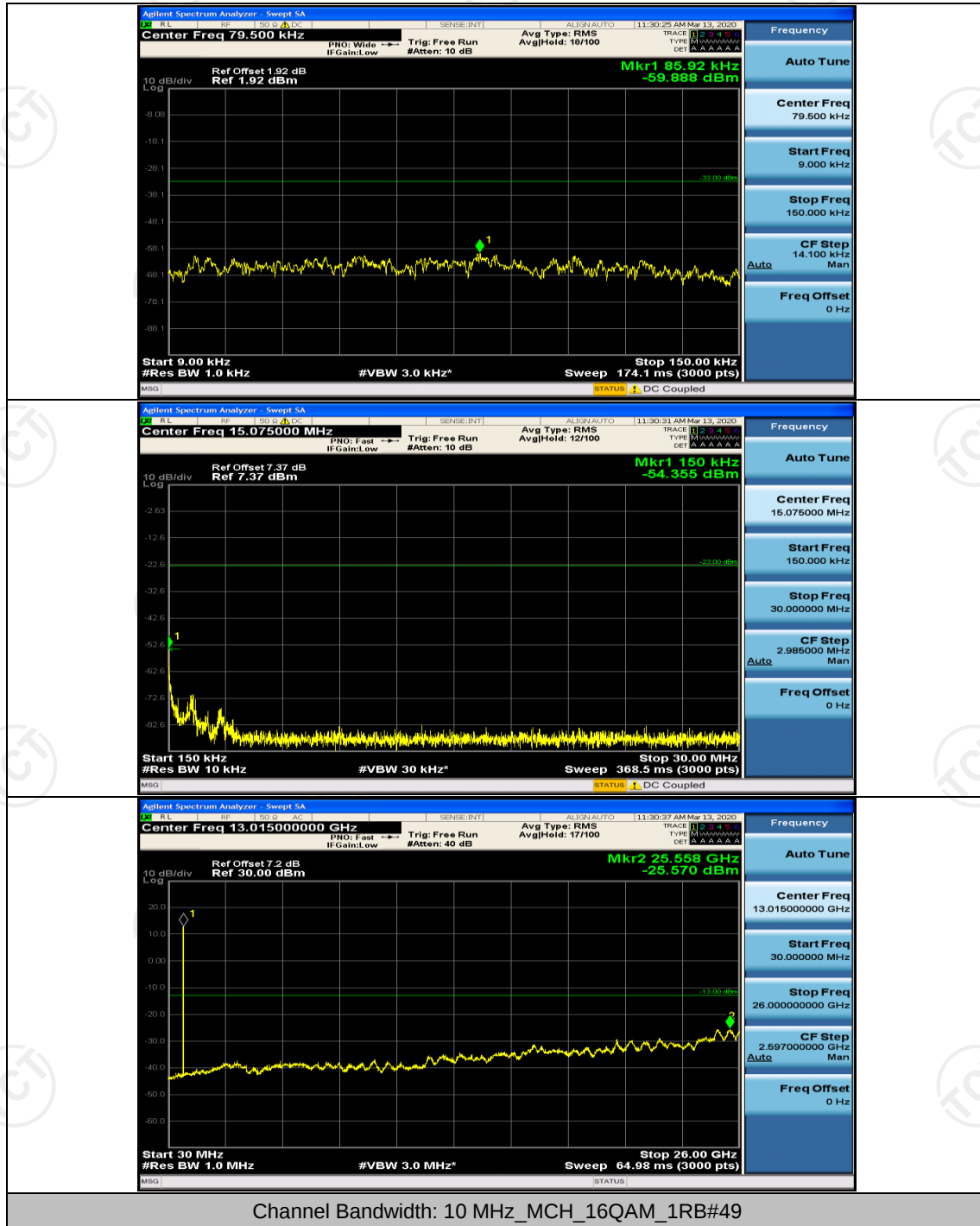


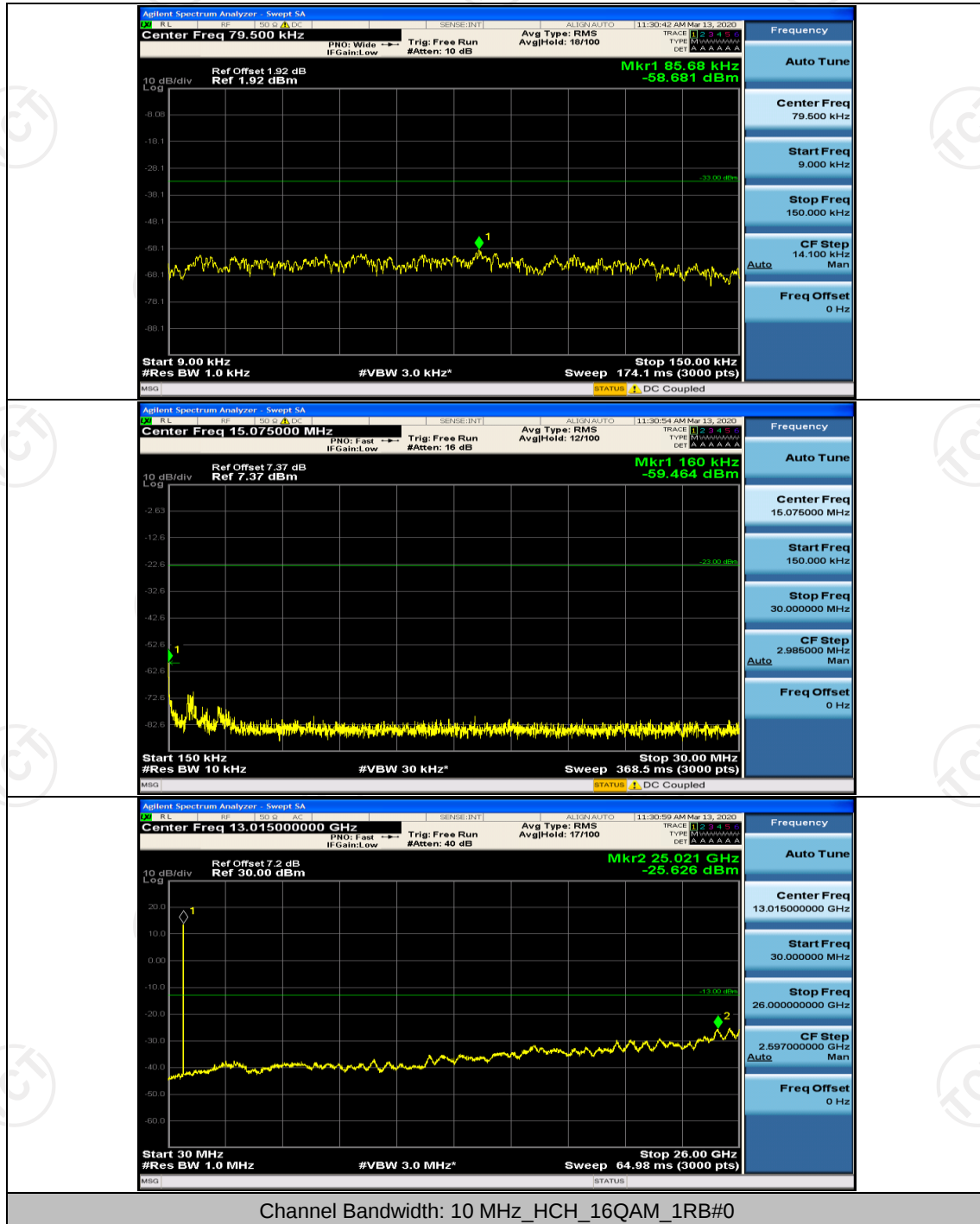


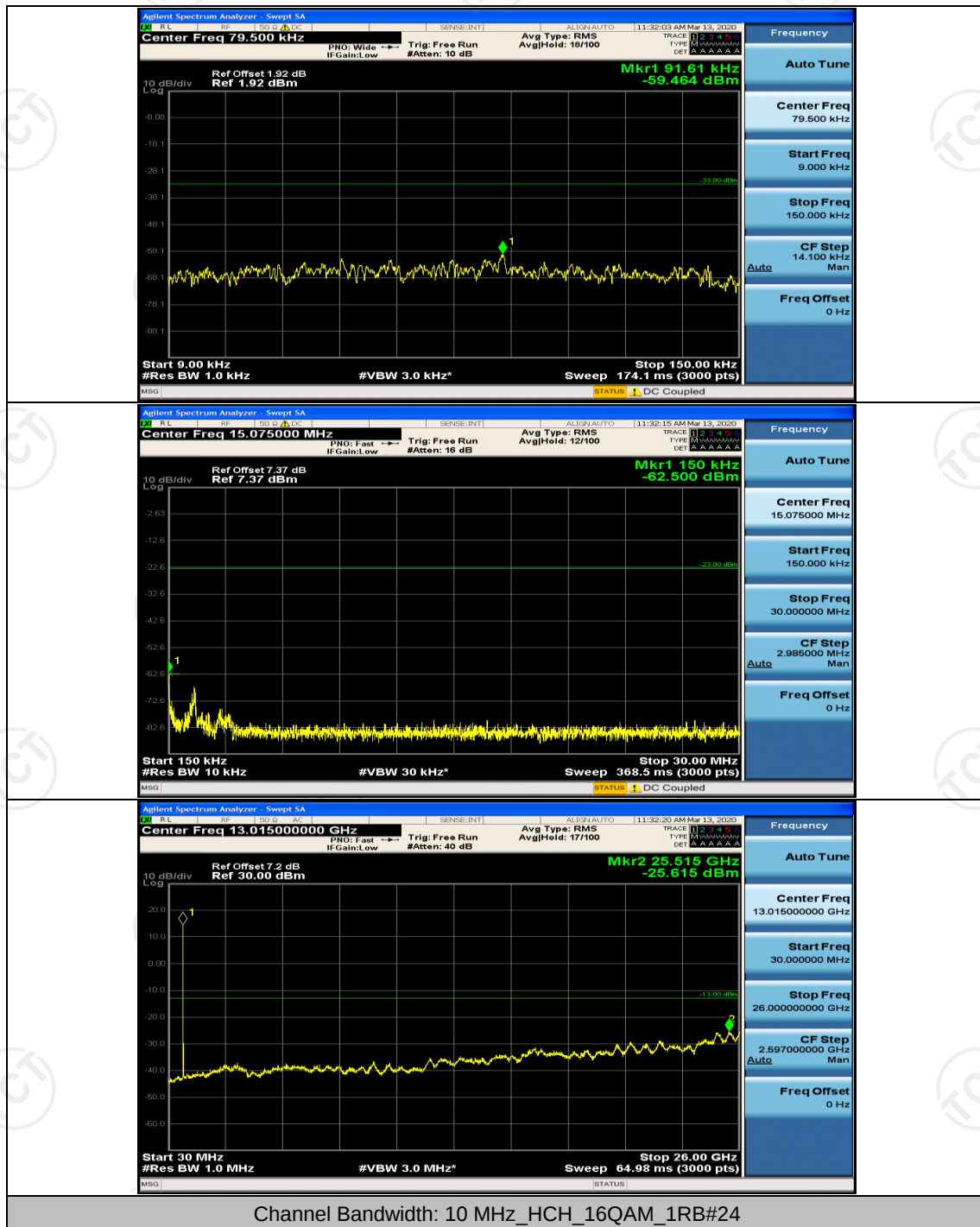


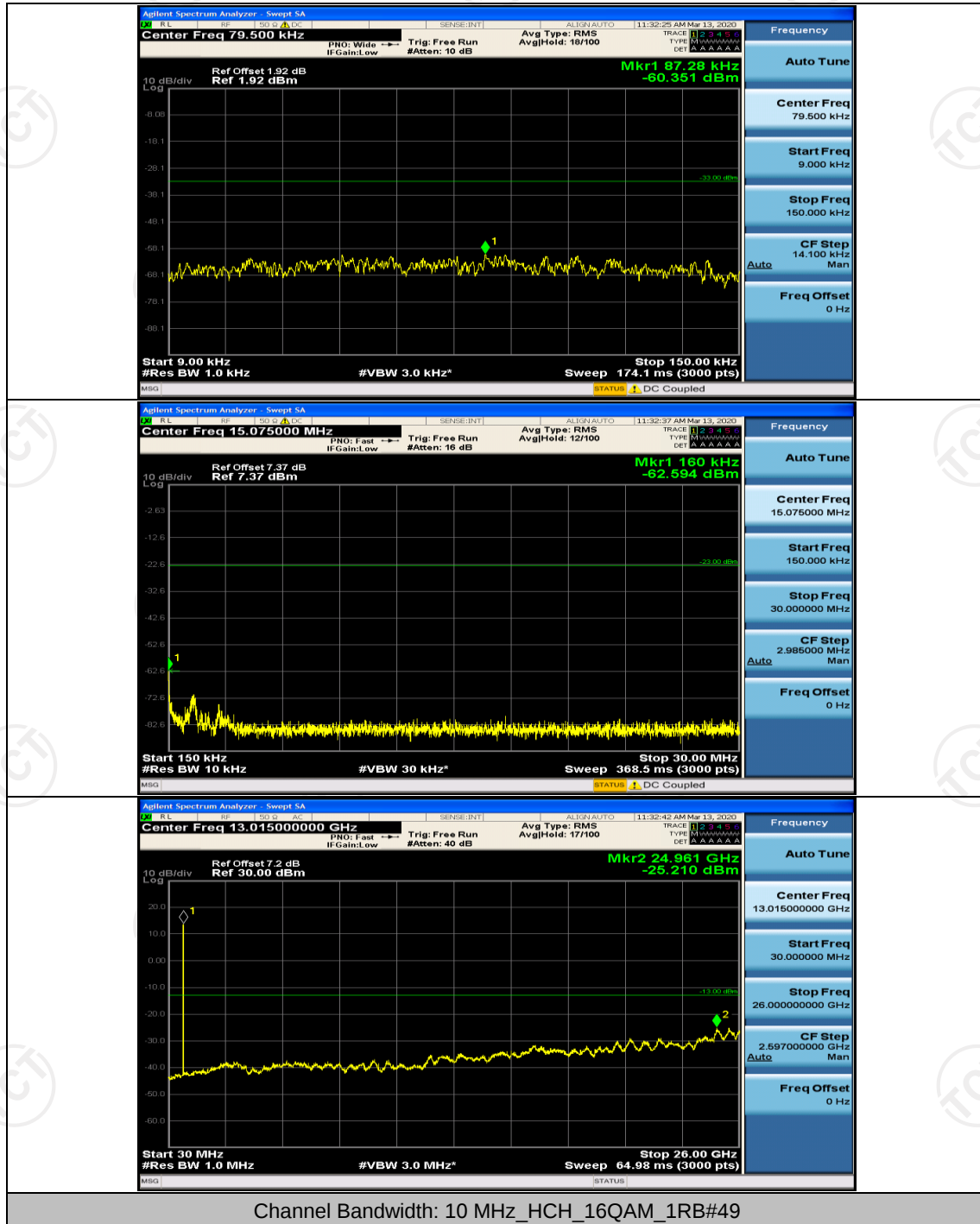


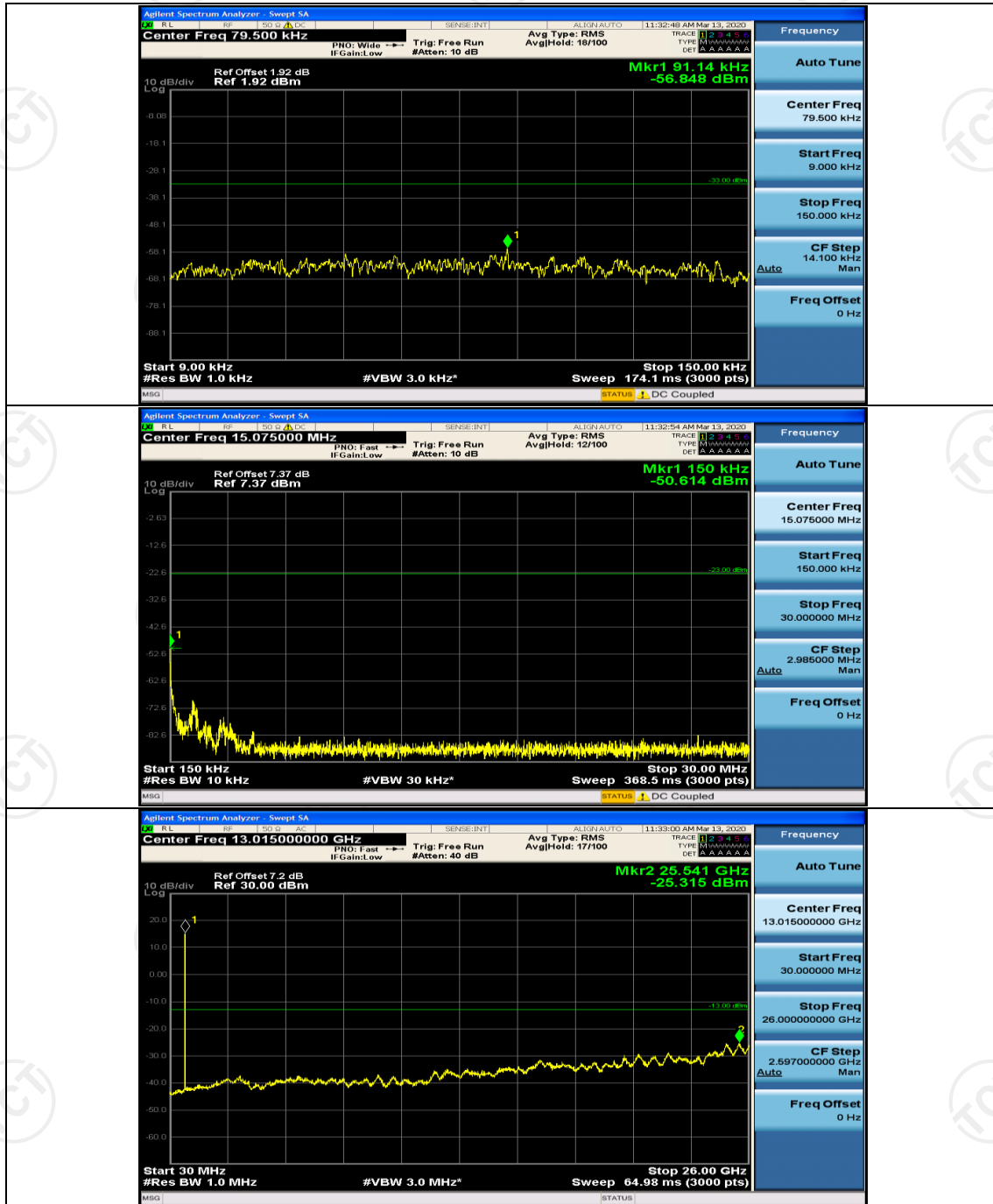












Appendix F: Frequency Stability

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	3.4	25	-6.10	-0.008534	± 2.5	PASS
		3.7	25	-5.91	-0.008362	± 2.5	PASS
		4.2	25	-6.22	-0.008870	± 2.5	PASS
	MCH	3.4	25	-6.35	-0.009011	± 2.5	PASS
		3.7	25	-2.66	-0.003748	± 2.5	PASS
		4.2	25	-2.75	-0.003861	± 2.5	PASS
	HCH	3.4	25	-2.92	-0.003990	± 2.5	PASS
		3.7	25	-7.57	-0.010606	± 2.5	PASS
		4.2	25	-7.65	-0.010883	± 2.5	PASS
16QAM	LCH	3.4	25	-7.73	-0.010992	± 2.5	PASS
		3.7	25	-9.96	-0.014093	± 2.5	PASS
		4.2	25	-7.49	-0.009831	± 2.5	PASS
	MCH	3.4	25	-7.36	-0.010215	± 2.5	PASS
		3.7	25	-7.25	-0.009935	± 2.5	PASS
		4.2	25	-7.14	-0.009702	± 2.5	PASS
	HCH	3.4	25	-6.97	-0.008974	± 2.5	PASS
		3.7	25	-8.55	-0.011989	± 2.5	PASS
		4.2	25	-8.68	-0.012316	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-7.03	-0.012771	± 2.5	PASS
		3.7	-20	-6.90	-0.011673	± 2.5	PASS
		3.7	-10	-6.73	-0.010149	± 2.5	PASS
		3.7	0	-6.67	-0.010057	± 2.5	PASS
		3.7	10	-6.59	-0.009846	± 2.5	PASS
		3.7	20	-6.45	-0.009132	± 2.5	PASS
		3.7	30	-2.19	-0.003098	± 2.5	PASS
		3.7	40	-6.85	-0.009699	± 2.5	PASS
		3.7	50	-7.95	-0.011258	± 2.5	PASS
	MCH	3.7	-30	-7.82	-0.010893	± 2.5	PASS
		3.7	-20	-7.70	-0.010042	± 2.5	PASS
		3.7	-10	-7.55	-0.009836	± 2.5	PASS
		3.7	0	-7.41	-0.009637	± 2.5	PASS
		3.7	10	-7.33	-0.009351	± 2.5	PASS

		3.7	20	-5.45	-0.007676	± 2.5	PASS
		3.7	30	-5.74	-0.008079	± 2.5	PASS
		3.7	40	-3.13	-0.004412	± 2.5	PASS
		3.7	50	-8.54	-0.012028	± 2.5	PASS
	HCH	3.7	-30	-8.62	-0.012246	± 2.5	PASS
		3.7	-20	-8.76	-0.012602	± 2.5	PASS
		3.7	-10	-8.93	-0.013157	± 2.5	PASS
		3.7	0	-9.06	-0.013403	± 2.5	PASS
		3.7	10	-9.18	-0.014290	± 2.5	PASS
		3.7	20	-9.83	-0.013774	± 2.5	PASS
		3.7	30	-4.62	-0.006476	± 2.5	PASS
		3.7	40	-4.65	-0.006516	± 2.5	PASS
		3.7	50	-1.29	-0.001804	± 2.5	PASS
		3.7	-30	-1.41	-0.002032	± 2.5	PASS
		3.7	-20	-1.59	-0.002204	± 2.5	PASS
		3.7	-10	-1.65	-0.002349	± 2.5	PASS
		3.7	0	-1.77	-0.002435	± 2.5	PASS
		3.7	10	-1.94	-0.002607	± 2.5	PASS
16QAM	LCH	3.7	20	-5.71	-0.008079	± 2.5	PASS
		3.7	30	-3.06	-0.004333	± 2.5	PASS
		3.7	40	-3.42	-0.004839	± 2.5	PASS
		3.7	50	-8.67	-0.012270	± 2.5	PASS
	MCH	3.7	-30	-8.90	-0.013305	± 2.5	PASS
		3.7	-20	-9.14	-0.014106	± 2.5	PASS
		3.7	-10	-9.29	-0.014960	± 2.5	PASS
		3.7	0	-9.38	-0.015273	± 2.5	PASS
		3.7	10	-9.46	-0.015608	± 2.5	PASS
		3.7	20	-5.14	-0.007233	± 2.5	PASS
		3.7	30	-1.82	-0.002559	± 2.5	PASS
		3.7	40	-6.74	-0.009490	± 2.5	PASS
		3.7	50	-6.07	-0.008543	± 2.5	PASS
	HCH	3.7	-30	-5.86	-0.008361	± 2.5	PASS
		3.7	-20	-5.72	-0.008135	± 2.5	PASS
		3.7	-10	-5.60	-0.007833	± 2.5	PASS
		3.7	0	-5.43	-0.007605	± 2.5	PASS
		3.7	10	-5.30	-0.007511	± 2.5	PASS
		3.7	20	-6.67	-0.009343	± 2.5	PASS
		3.7	30	-2.73	-0.003829	± 2.5	PASS
		3.7	40	-0.54	-0.000762	± 2.5	PASS
		3.7	50	-5.59	-0.007839	± 2.5	PASS