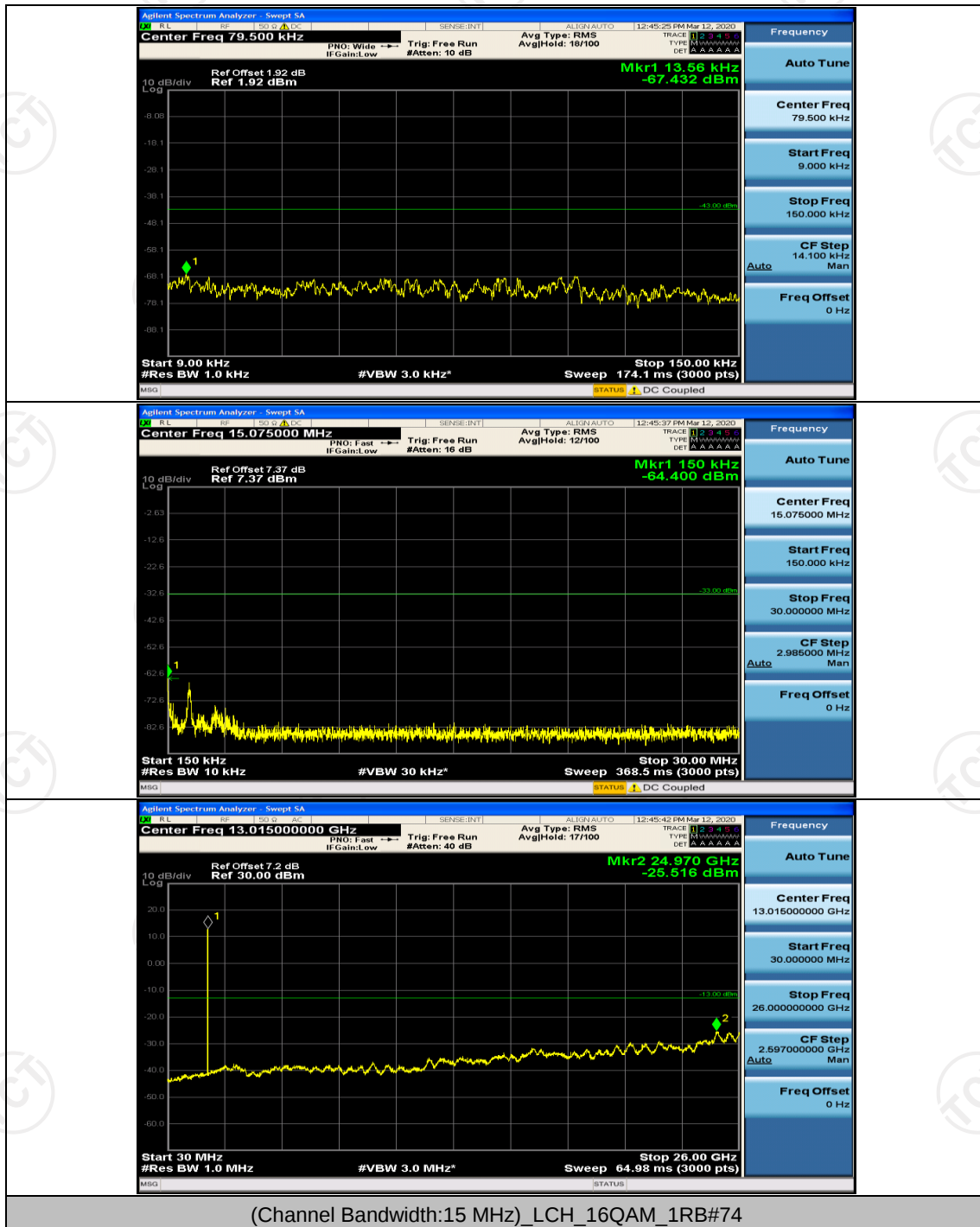
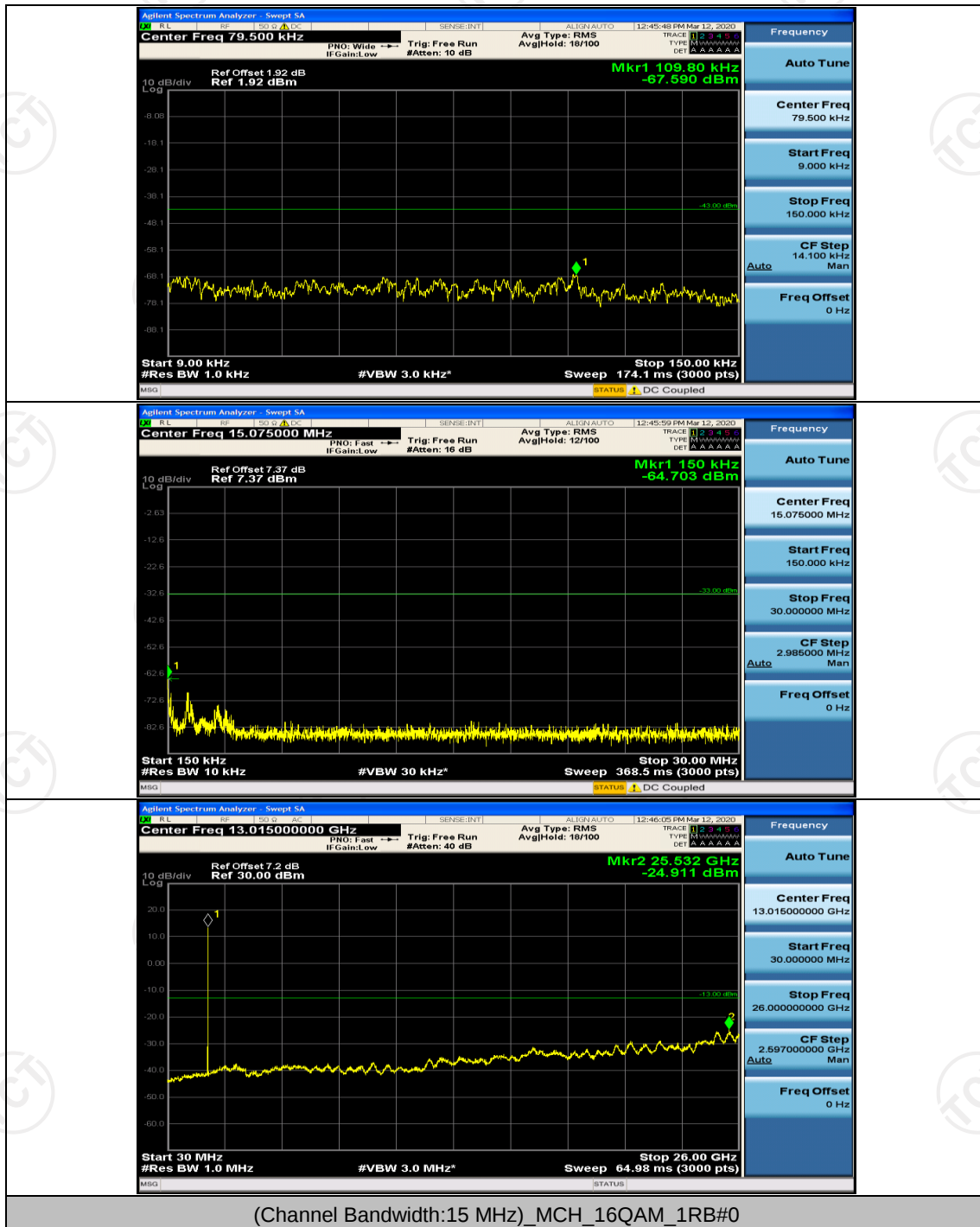
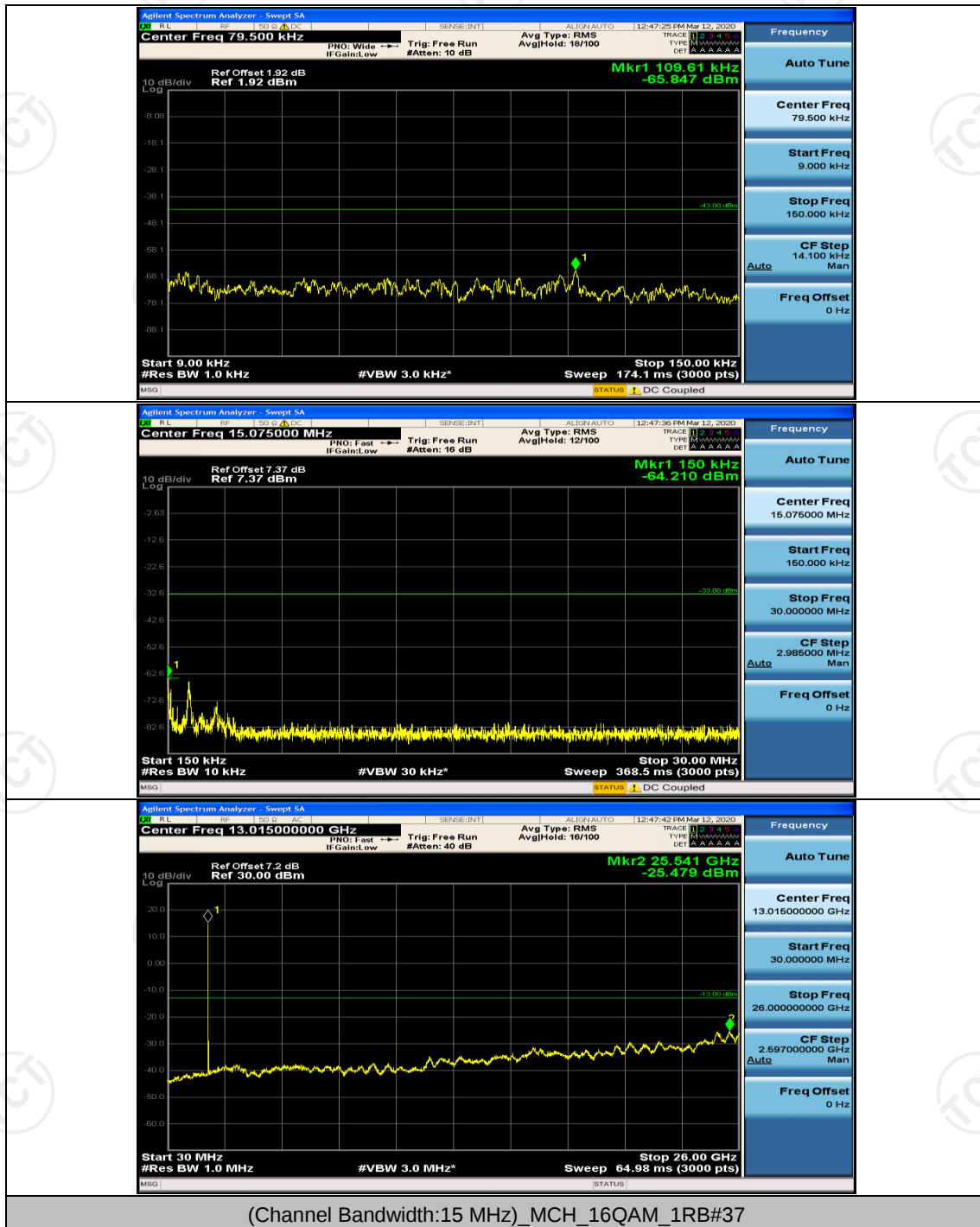
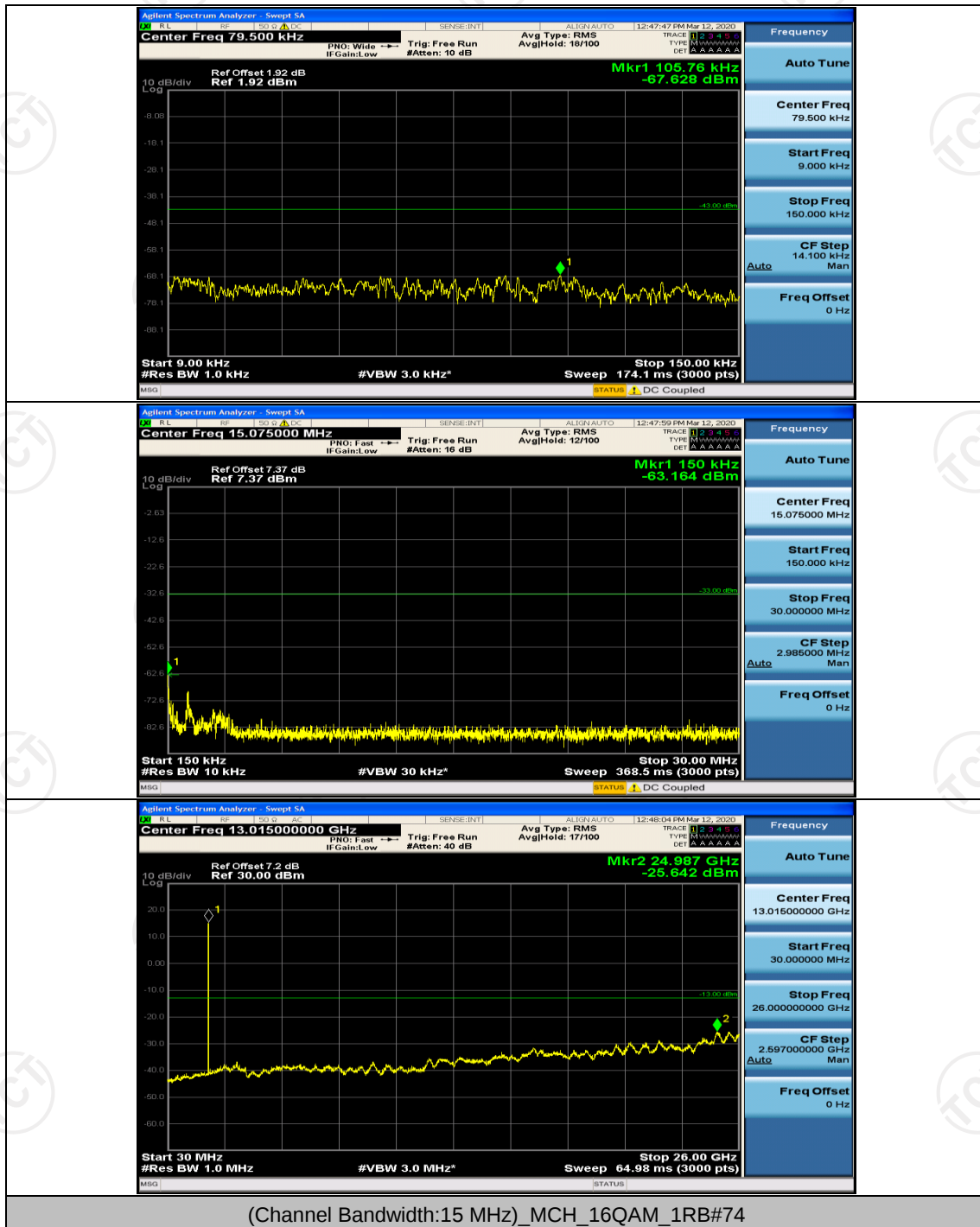
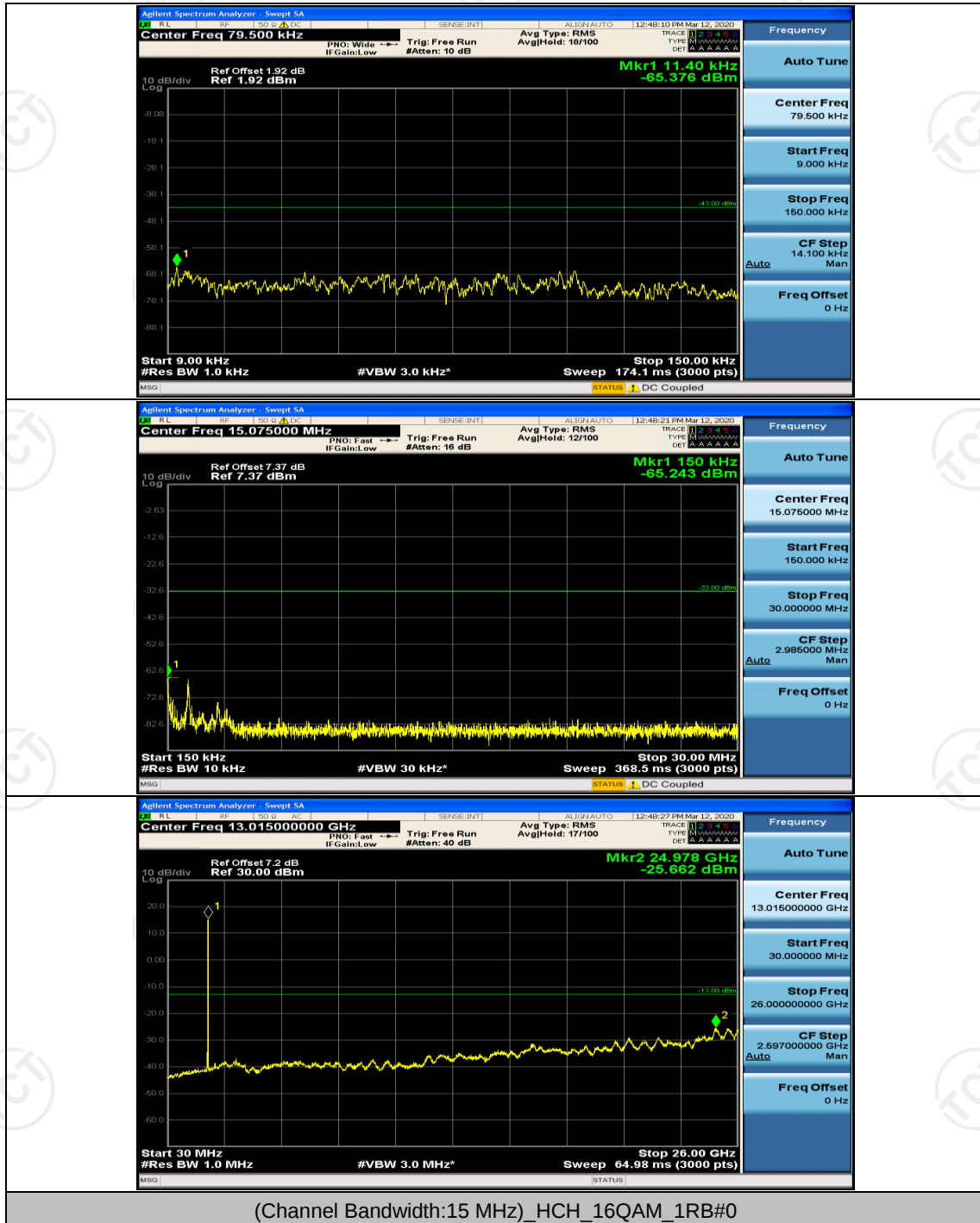


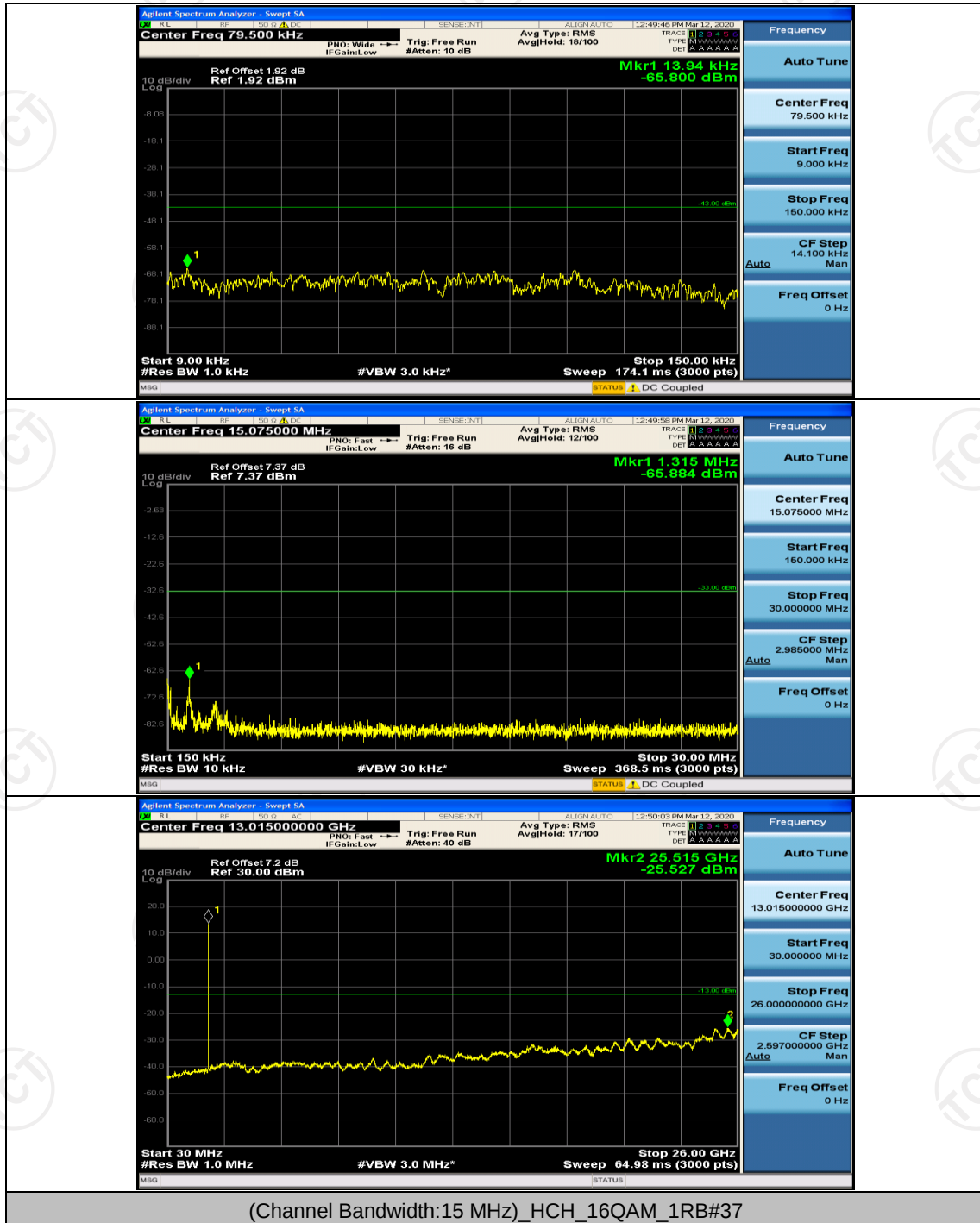


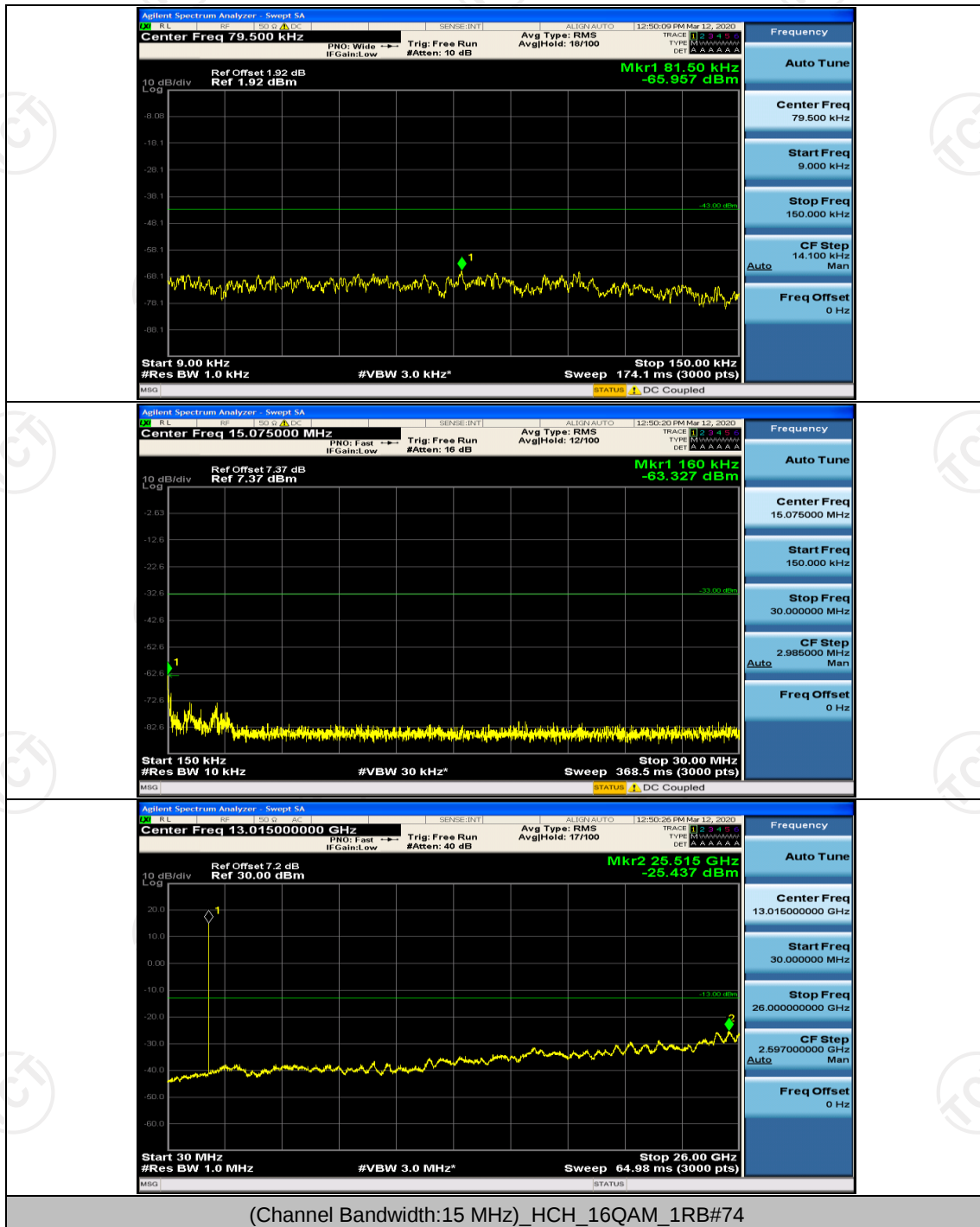


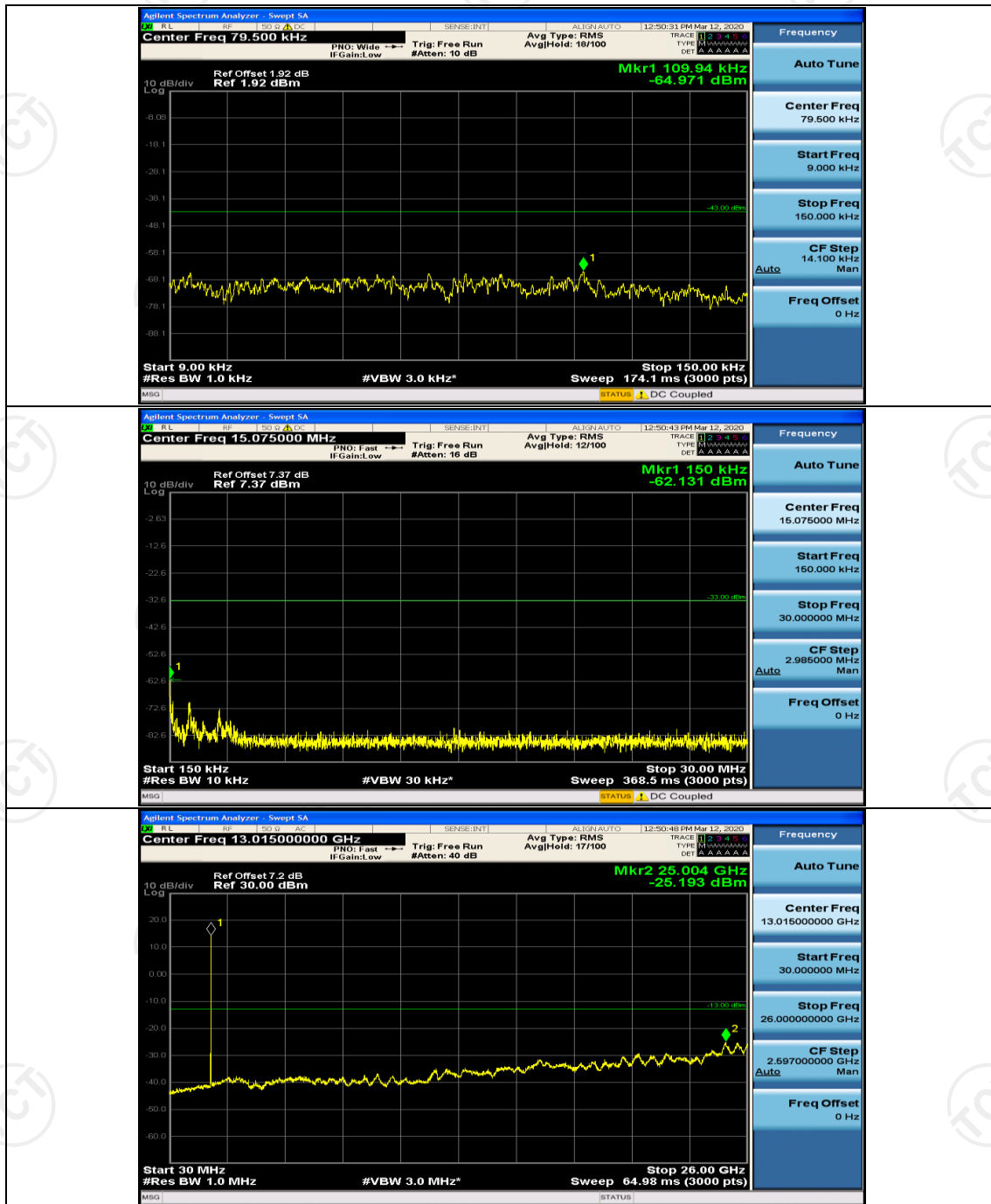




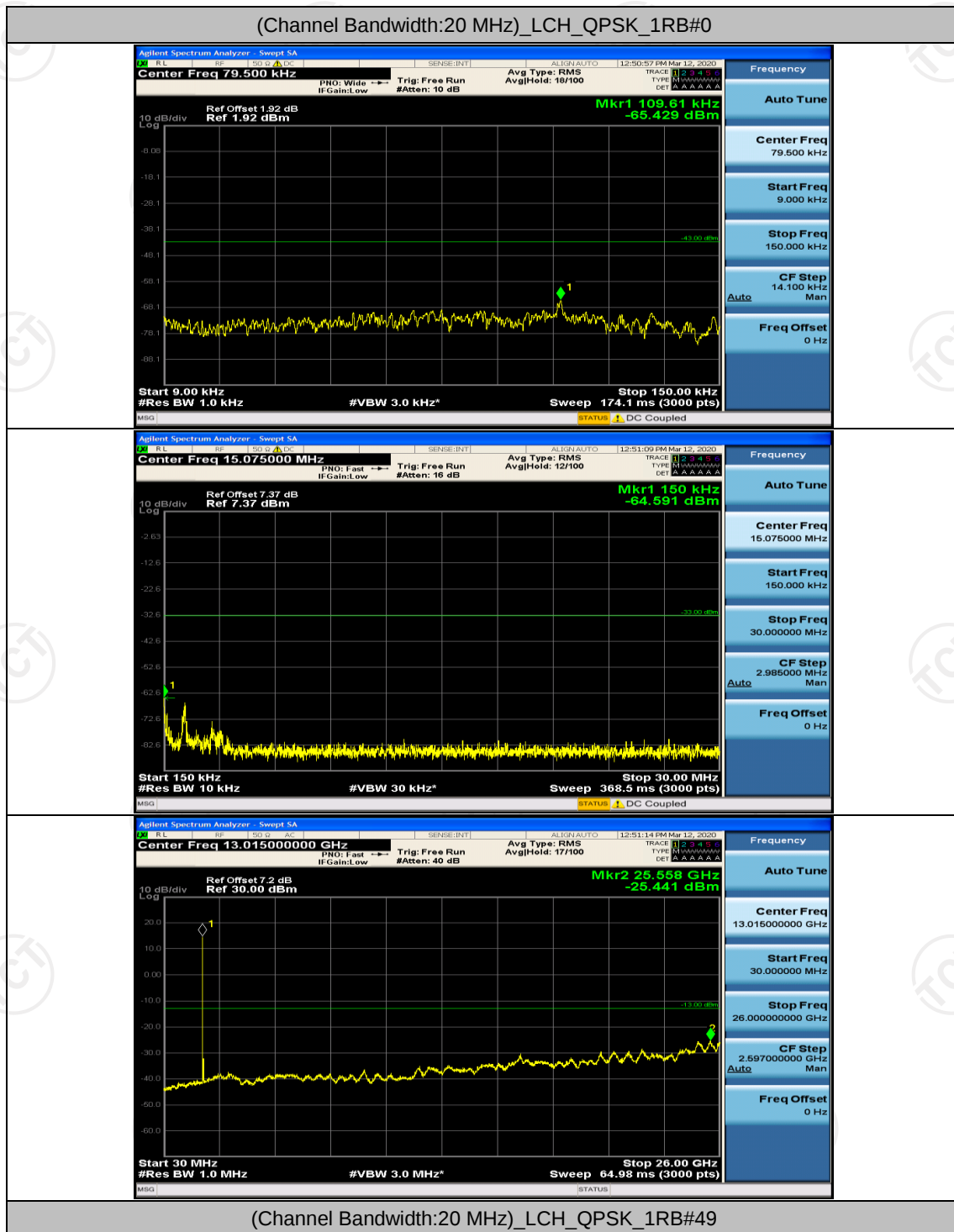


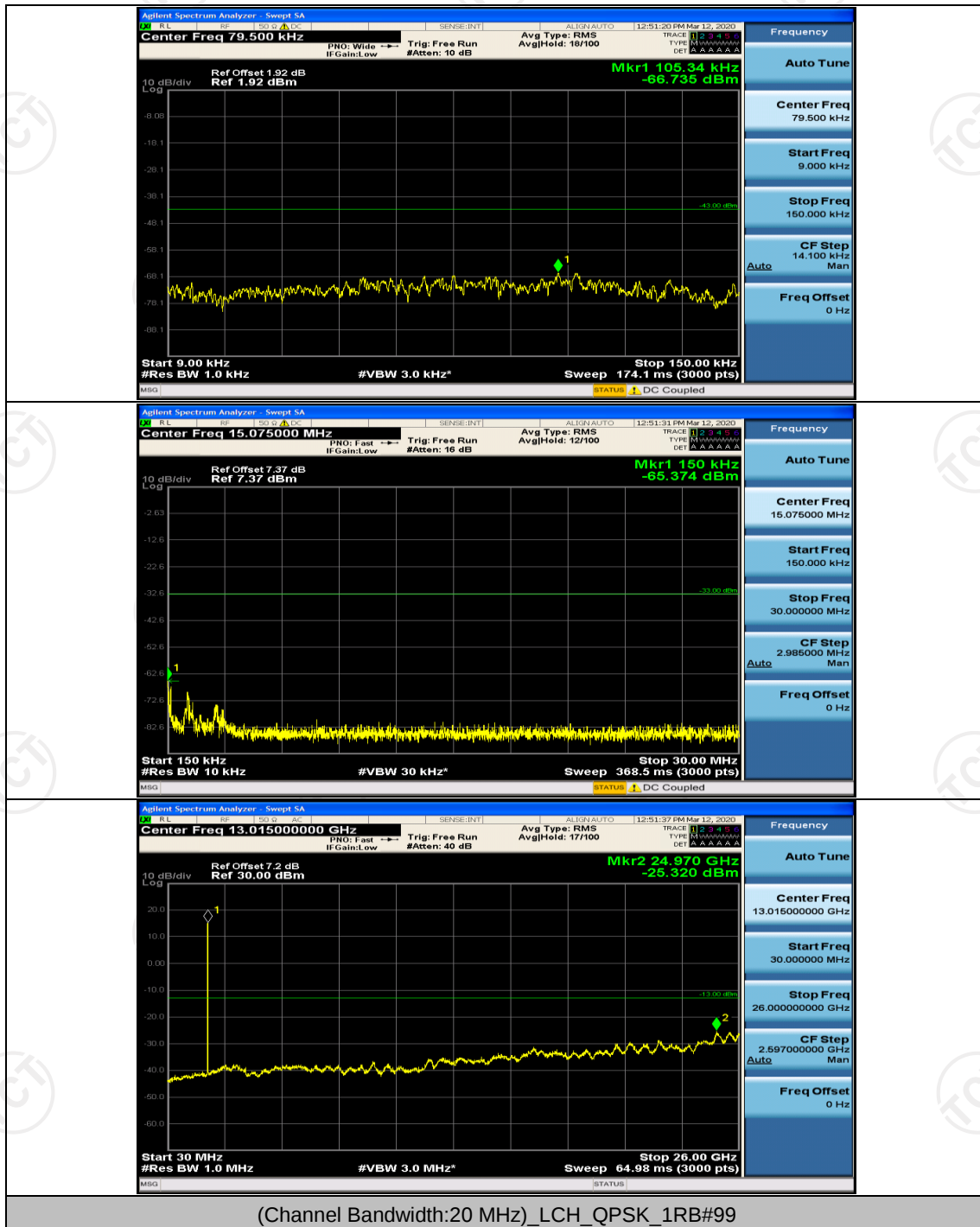


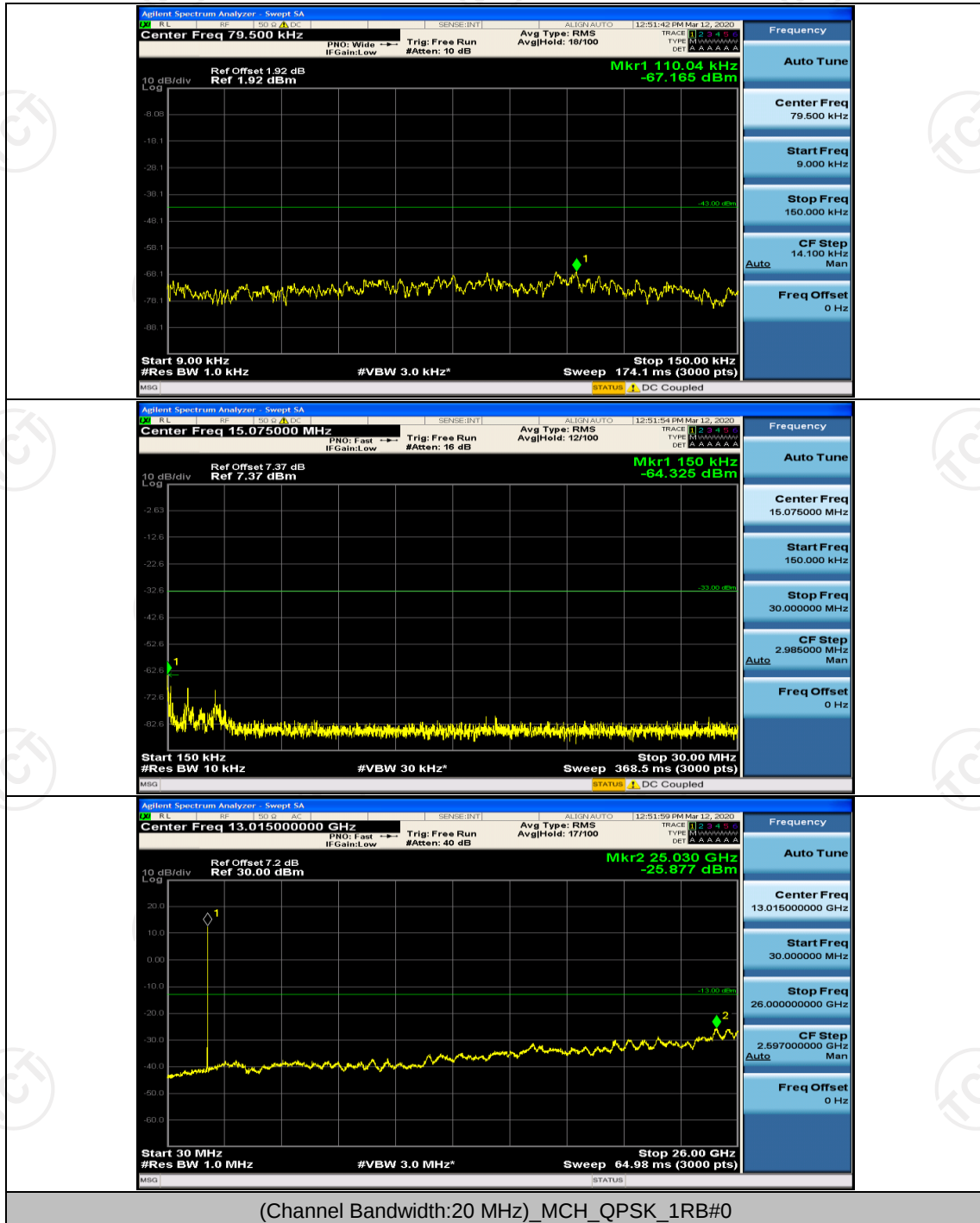


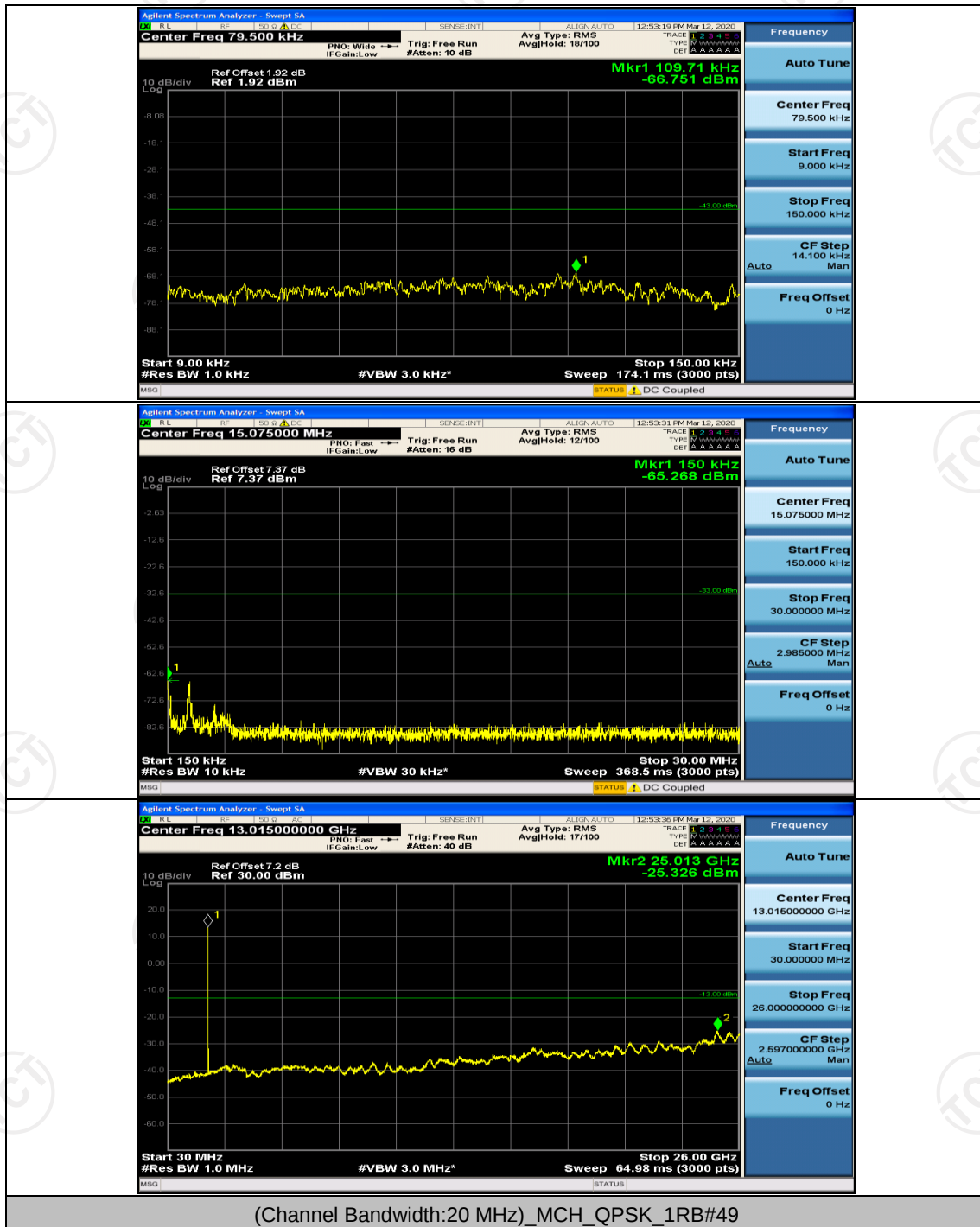


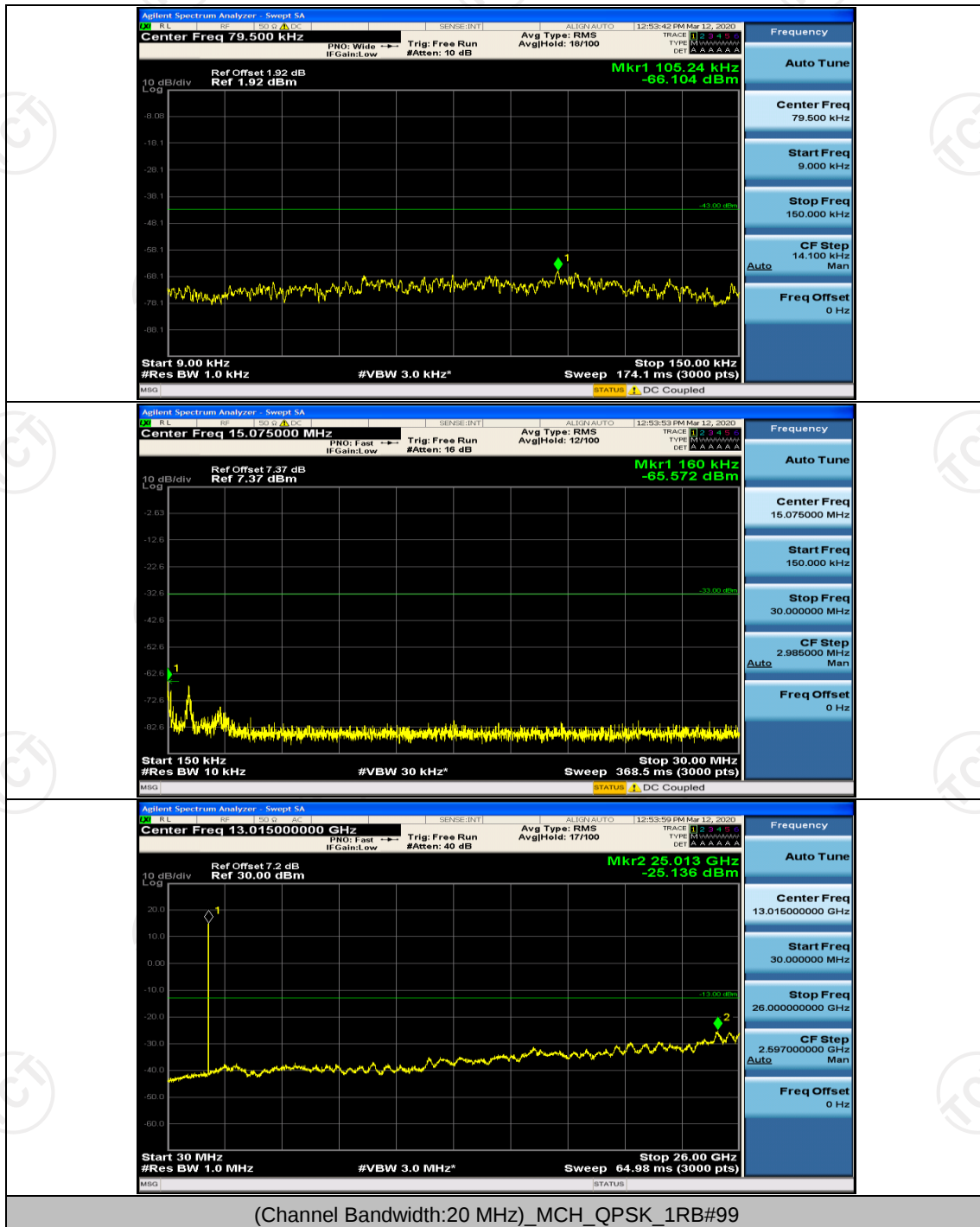
Channel Bandwidth: 20 MHz

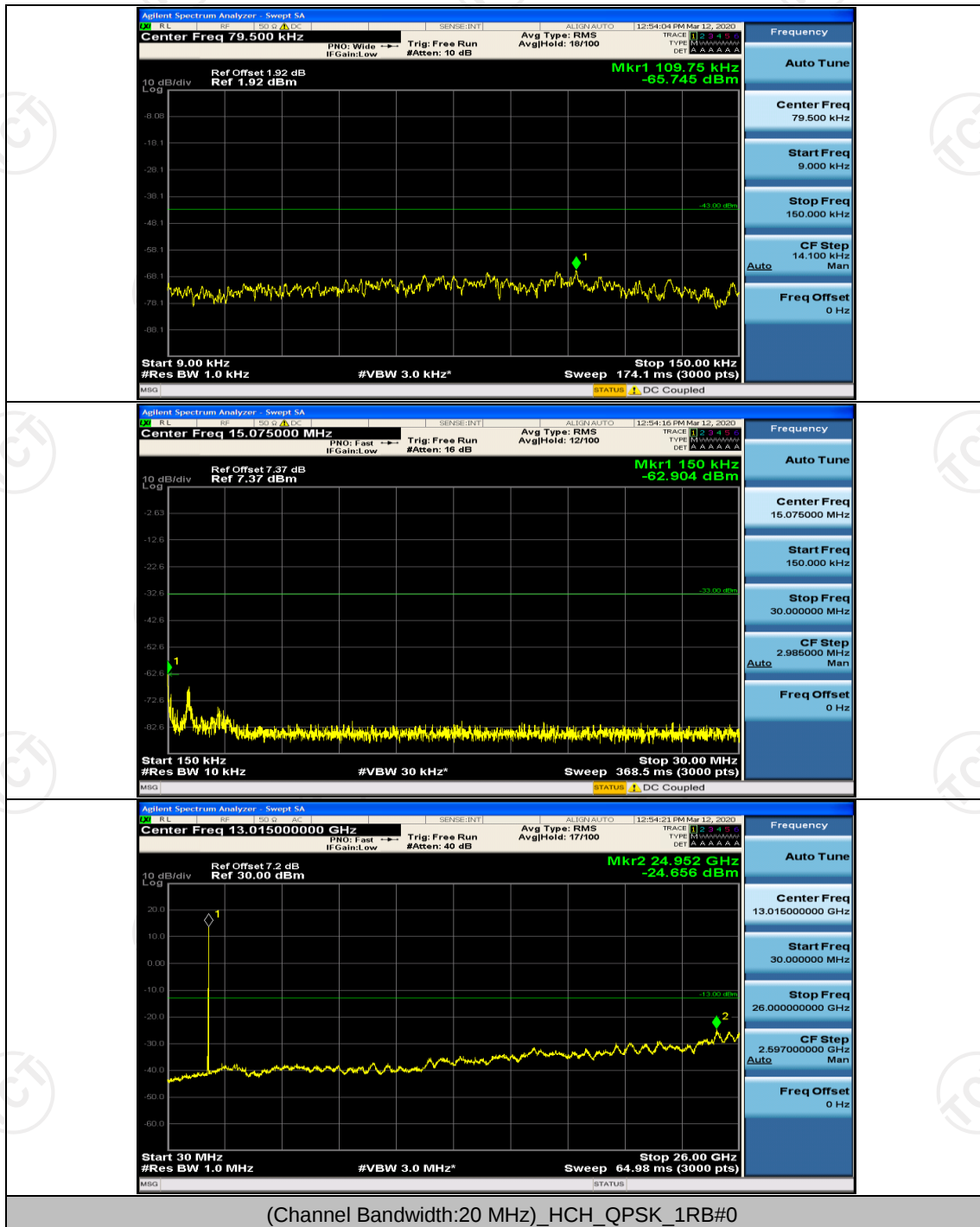


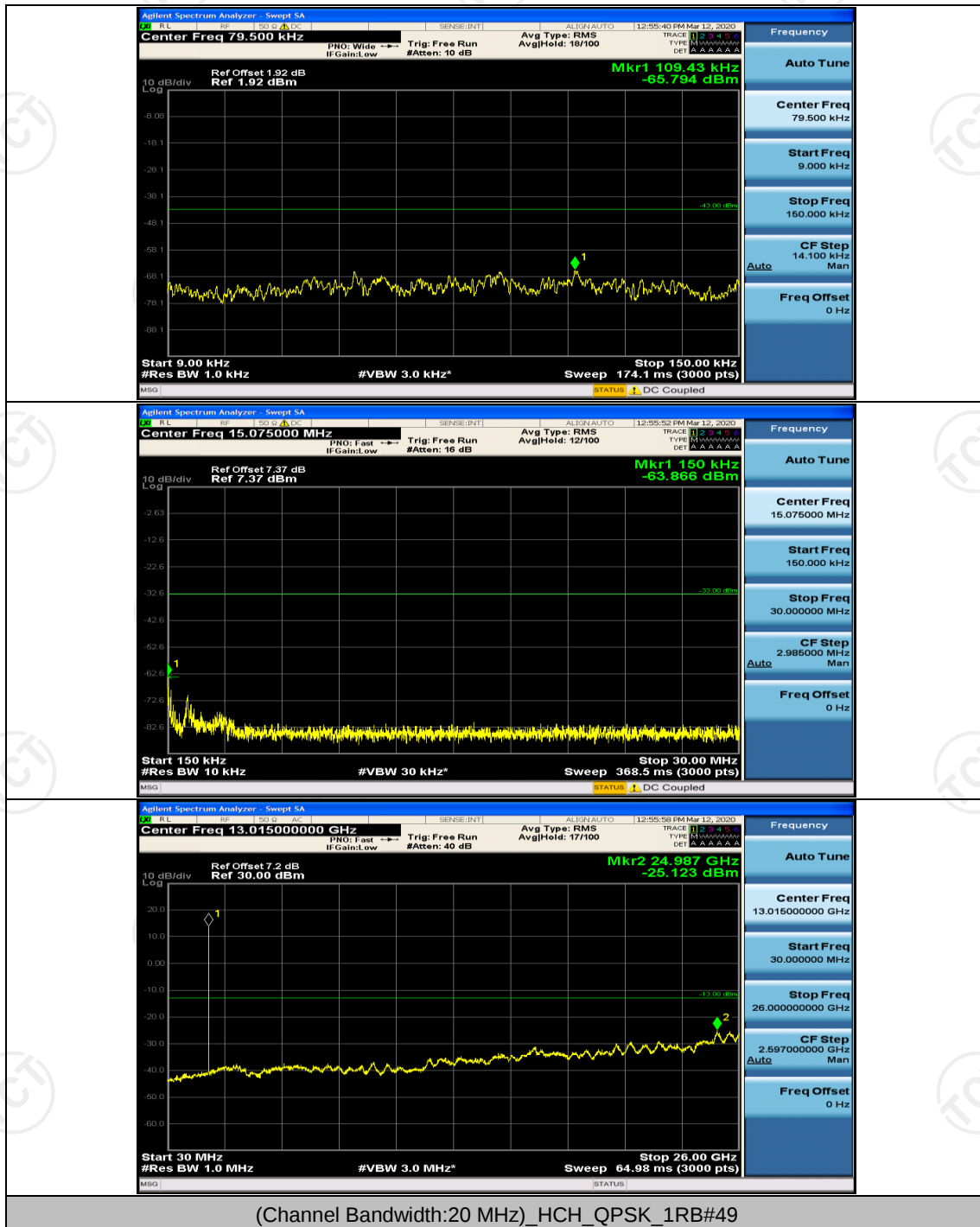


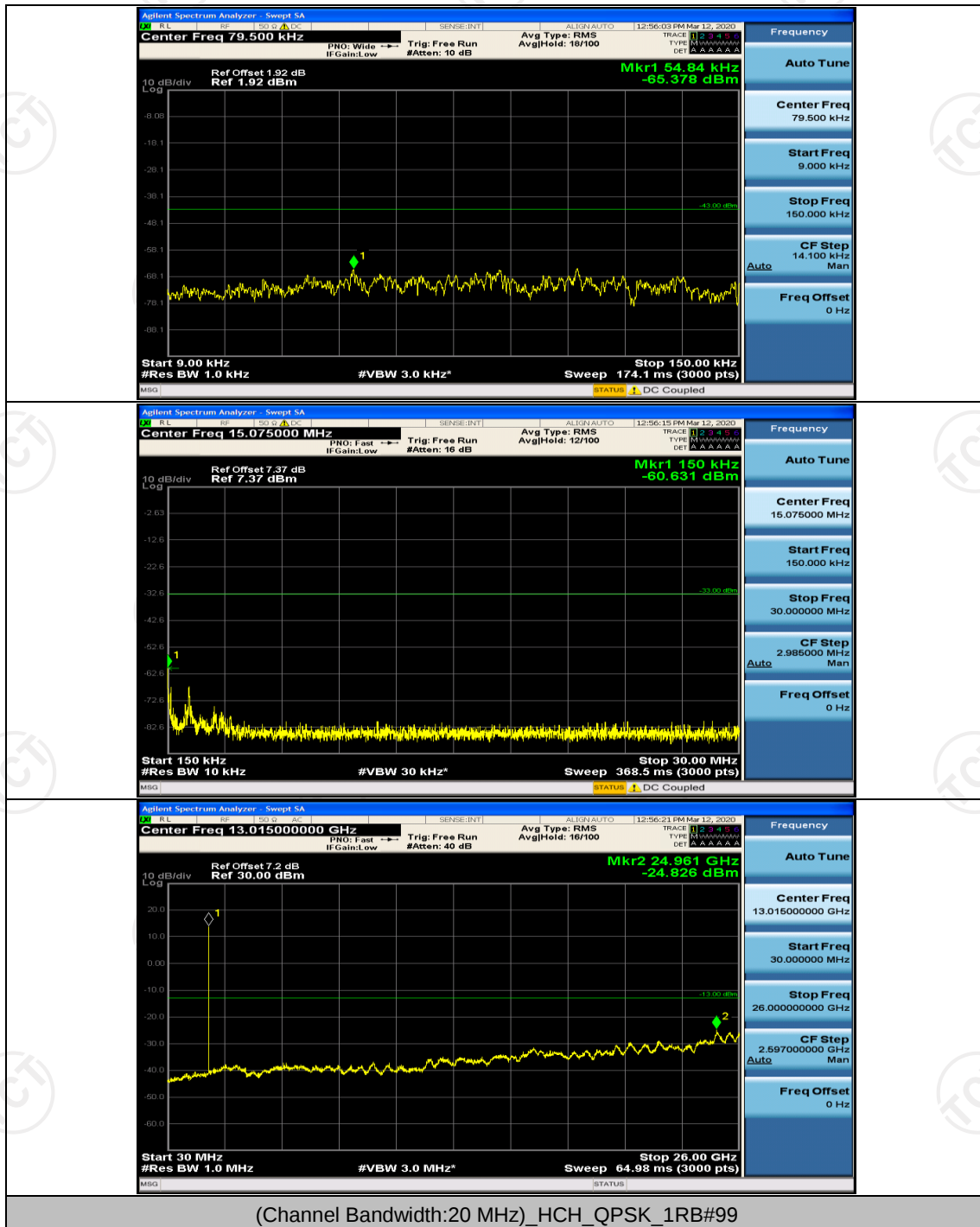


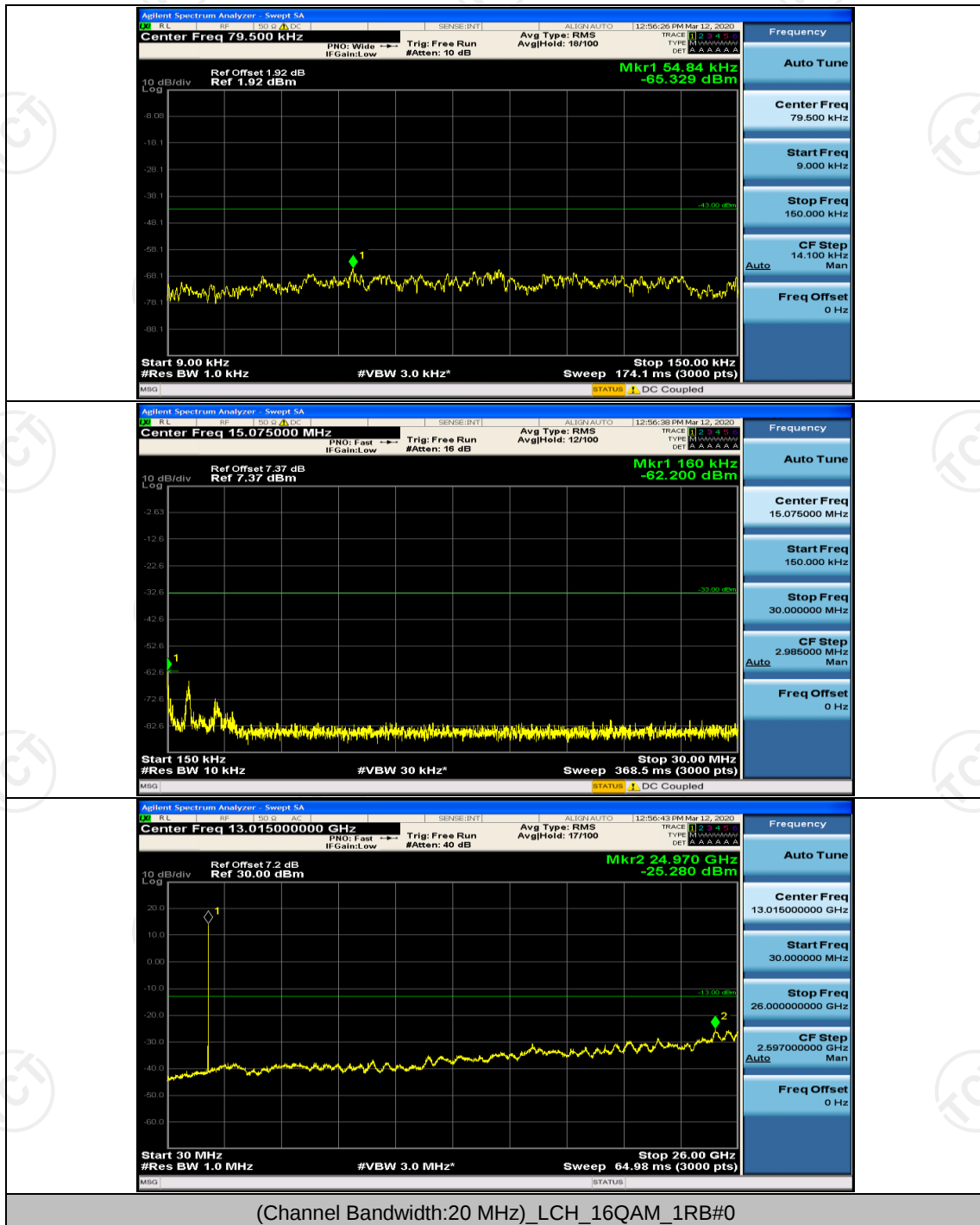


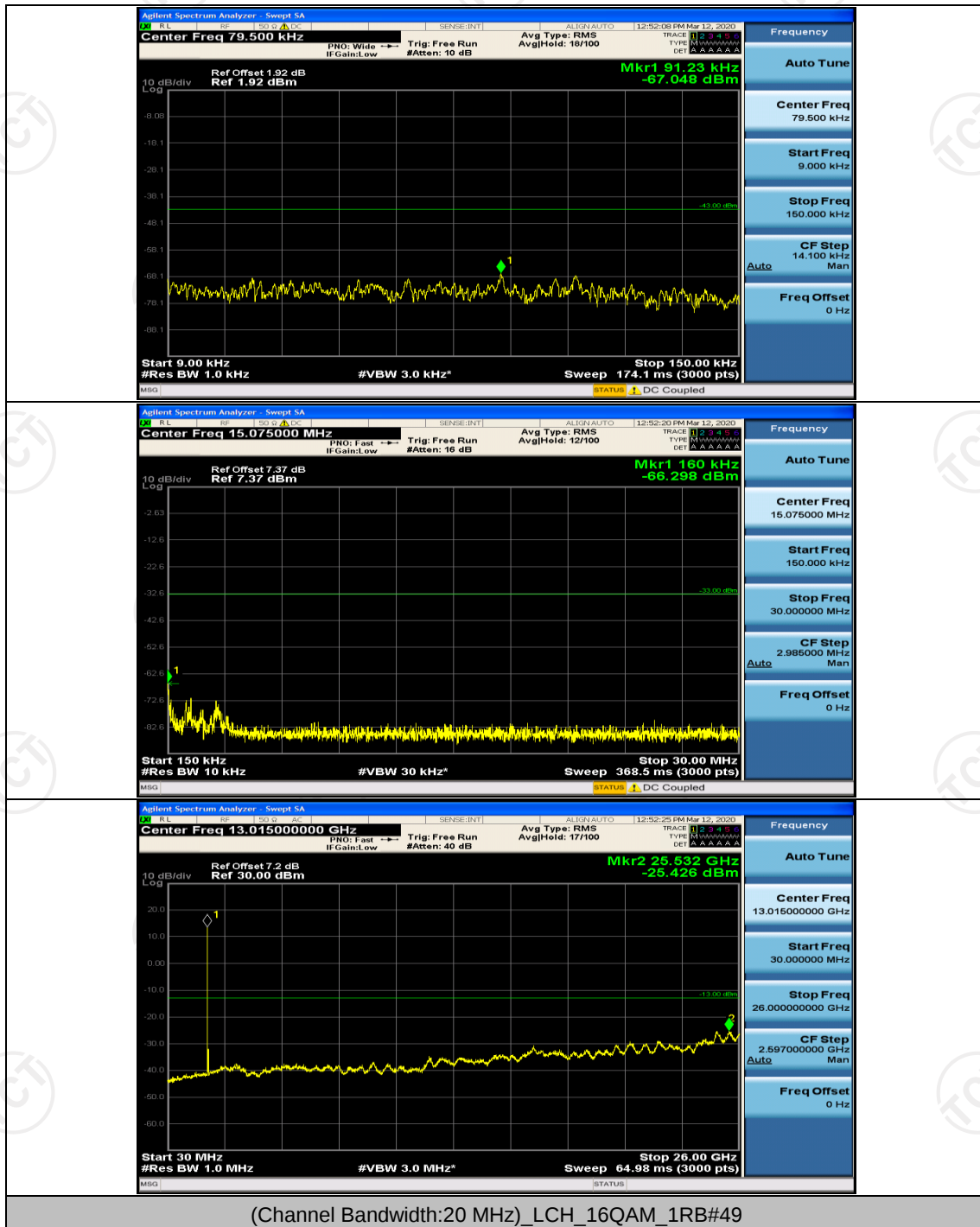


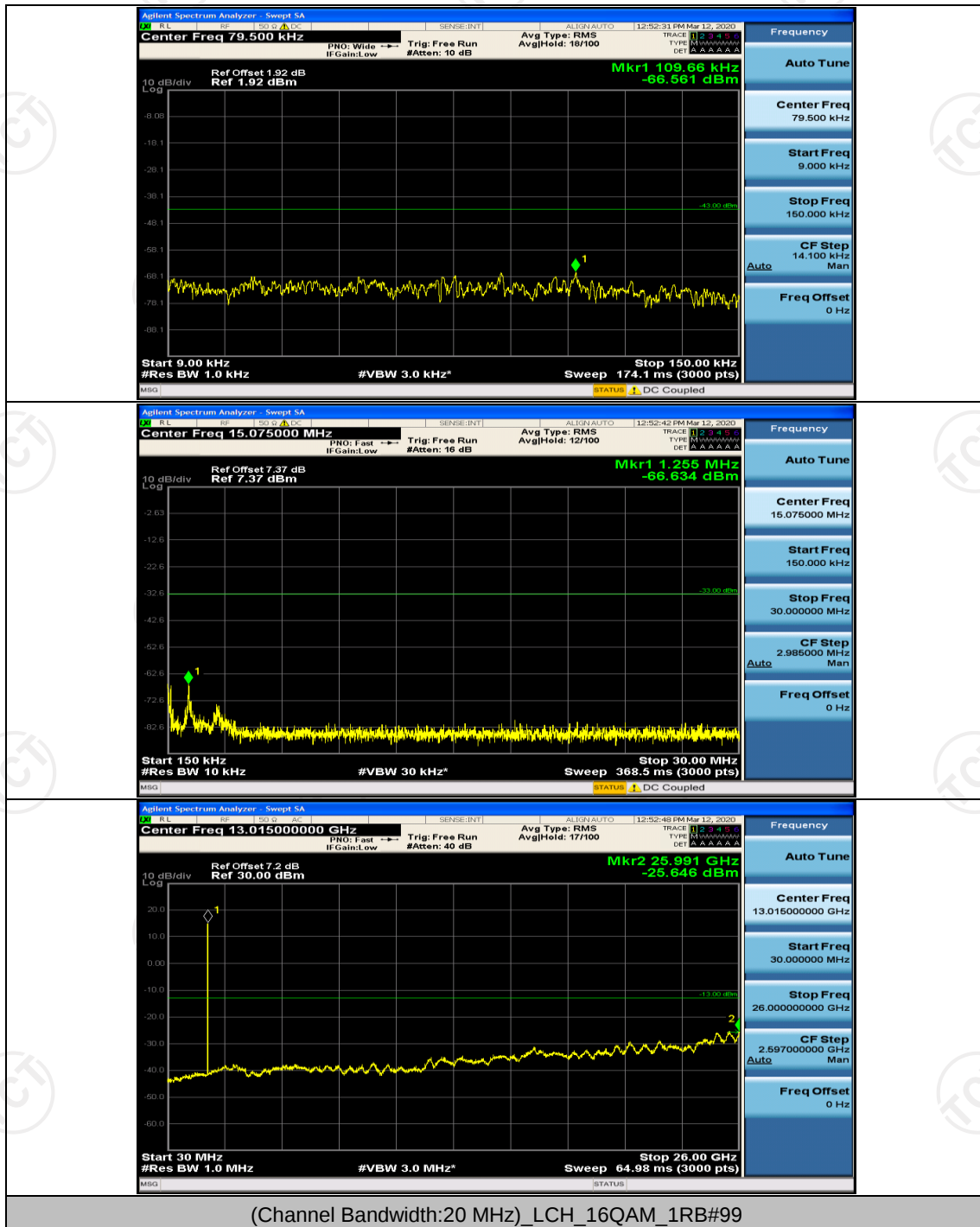


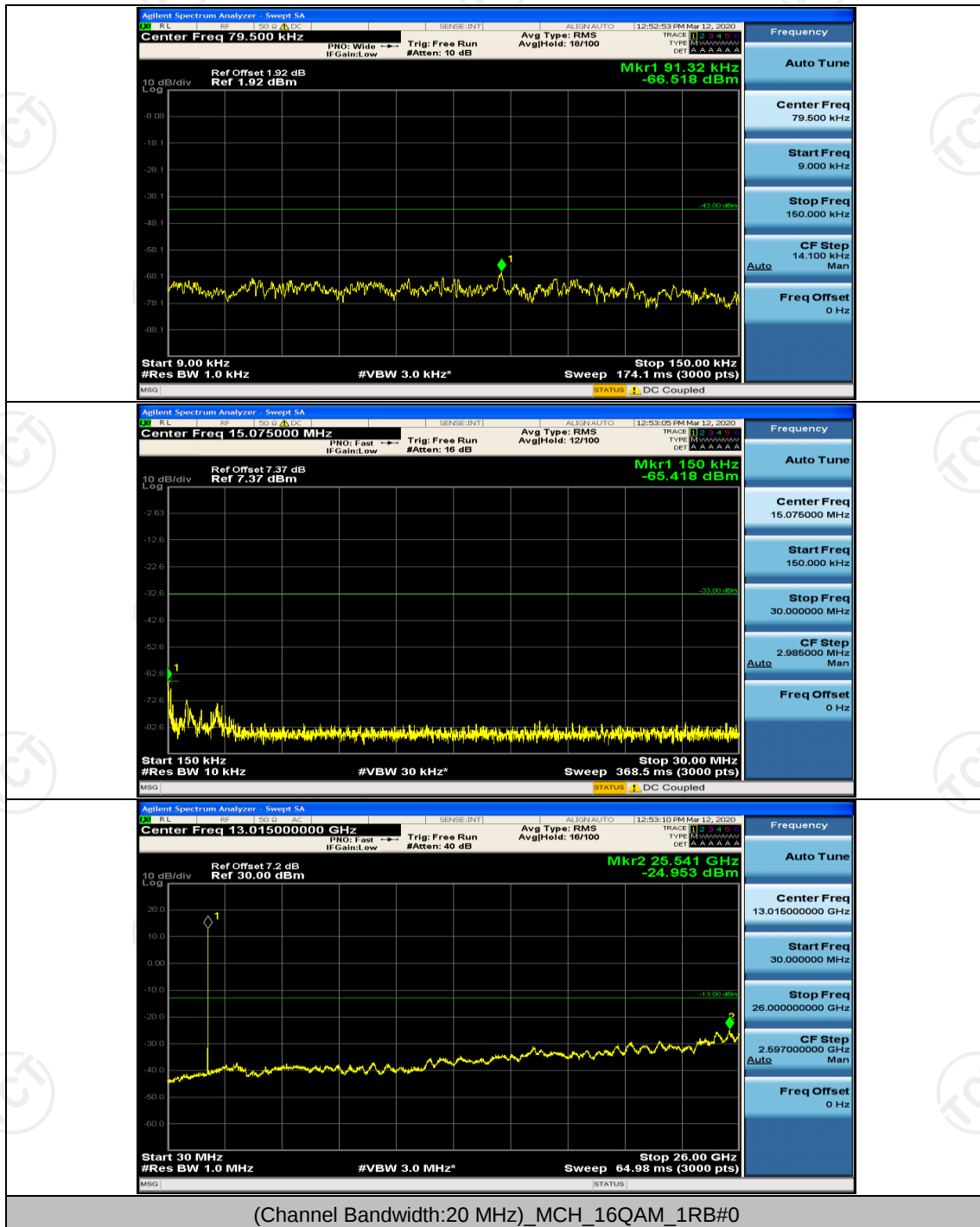


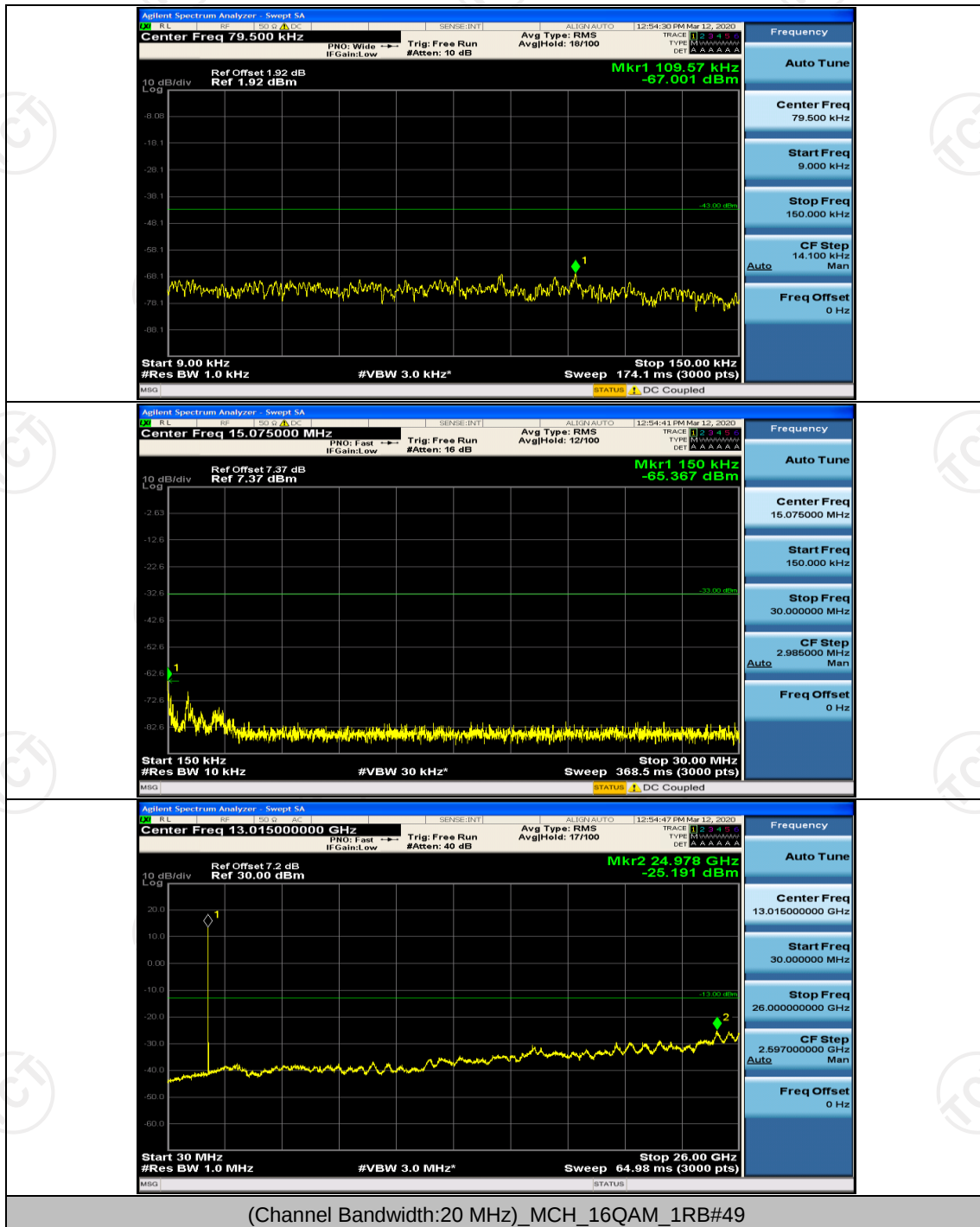


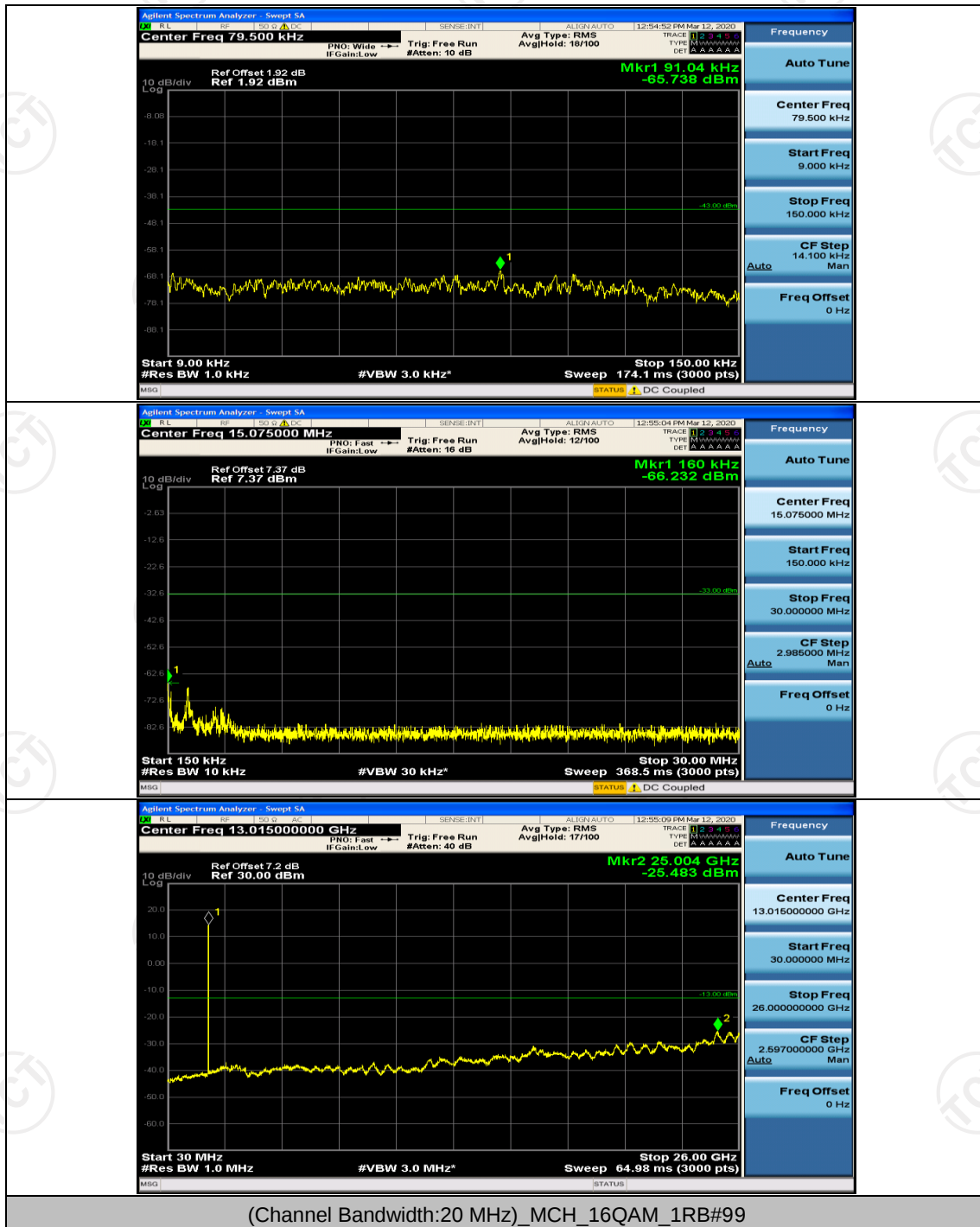


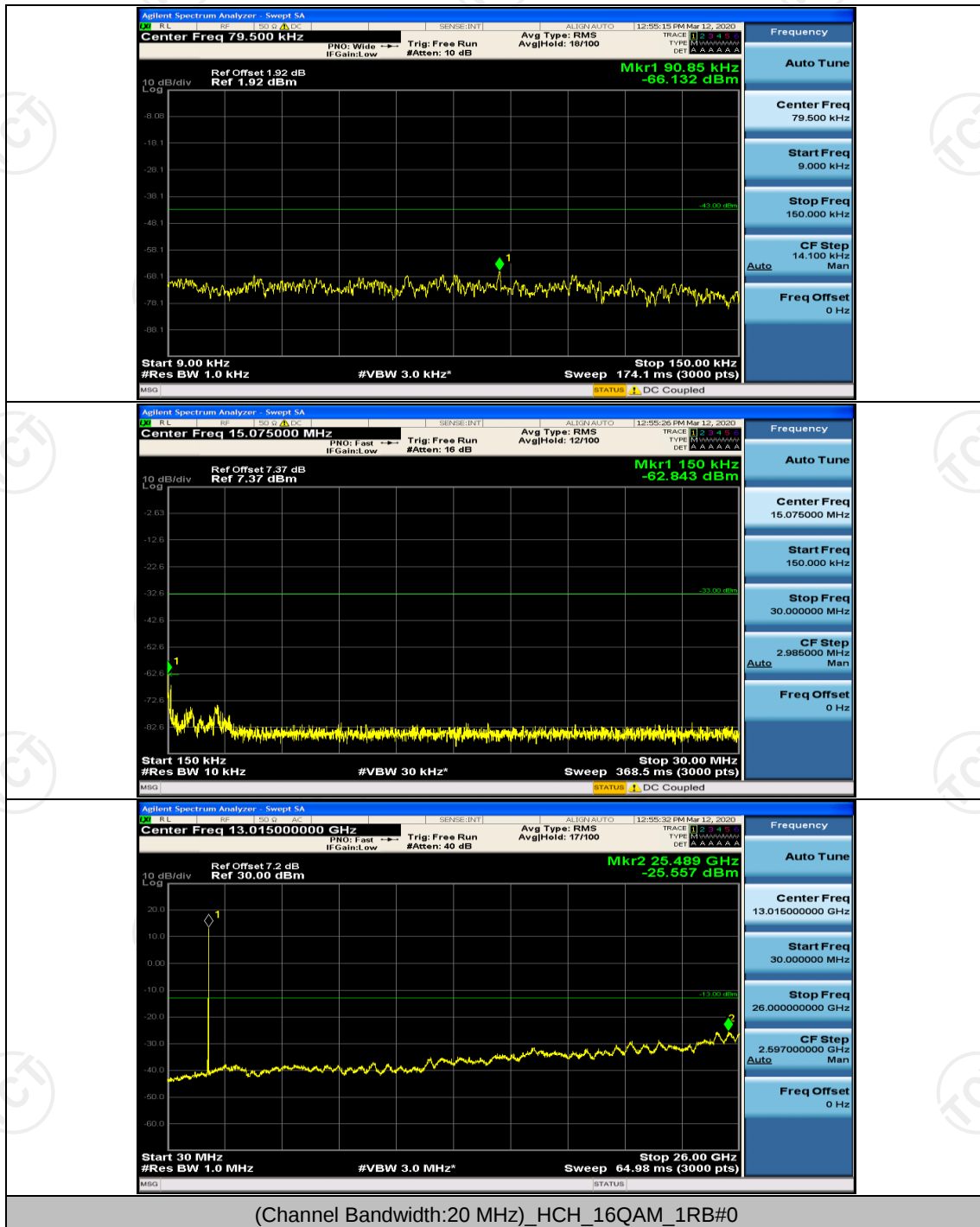


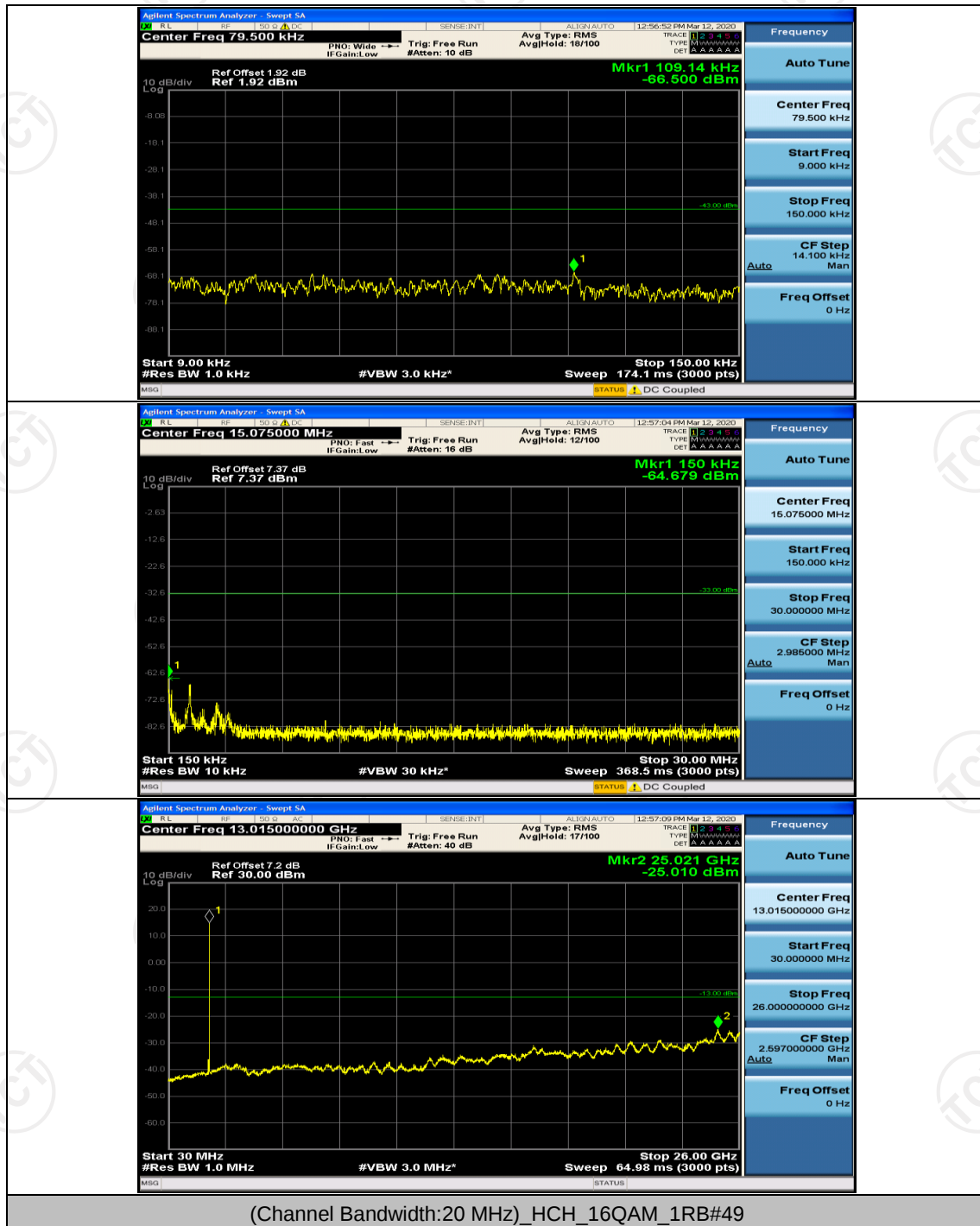


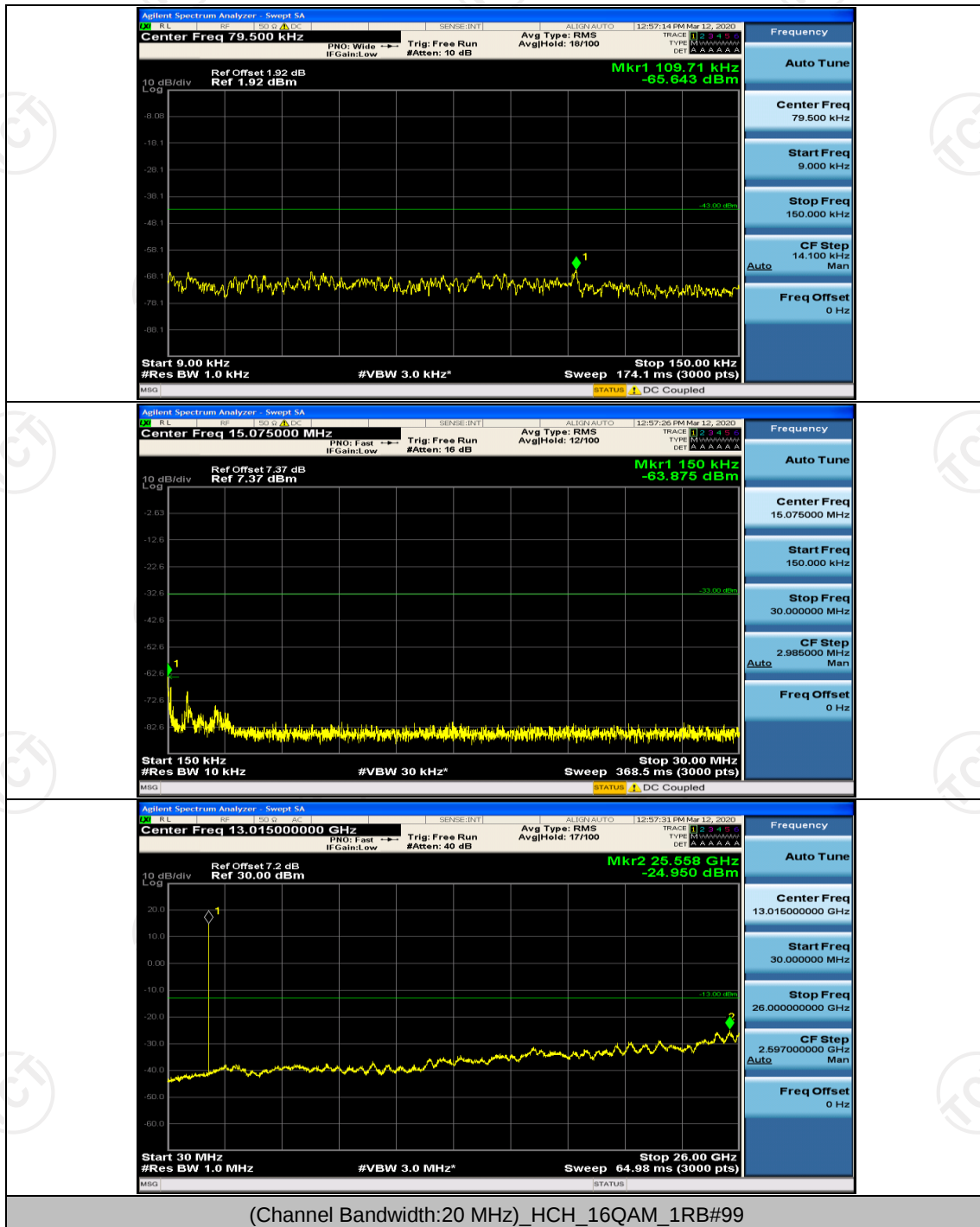


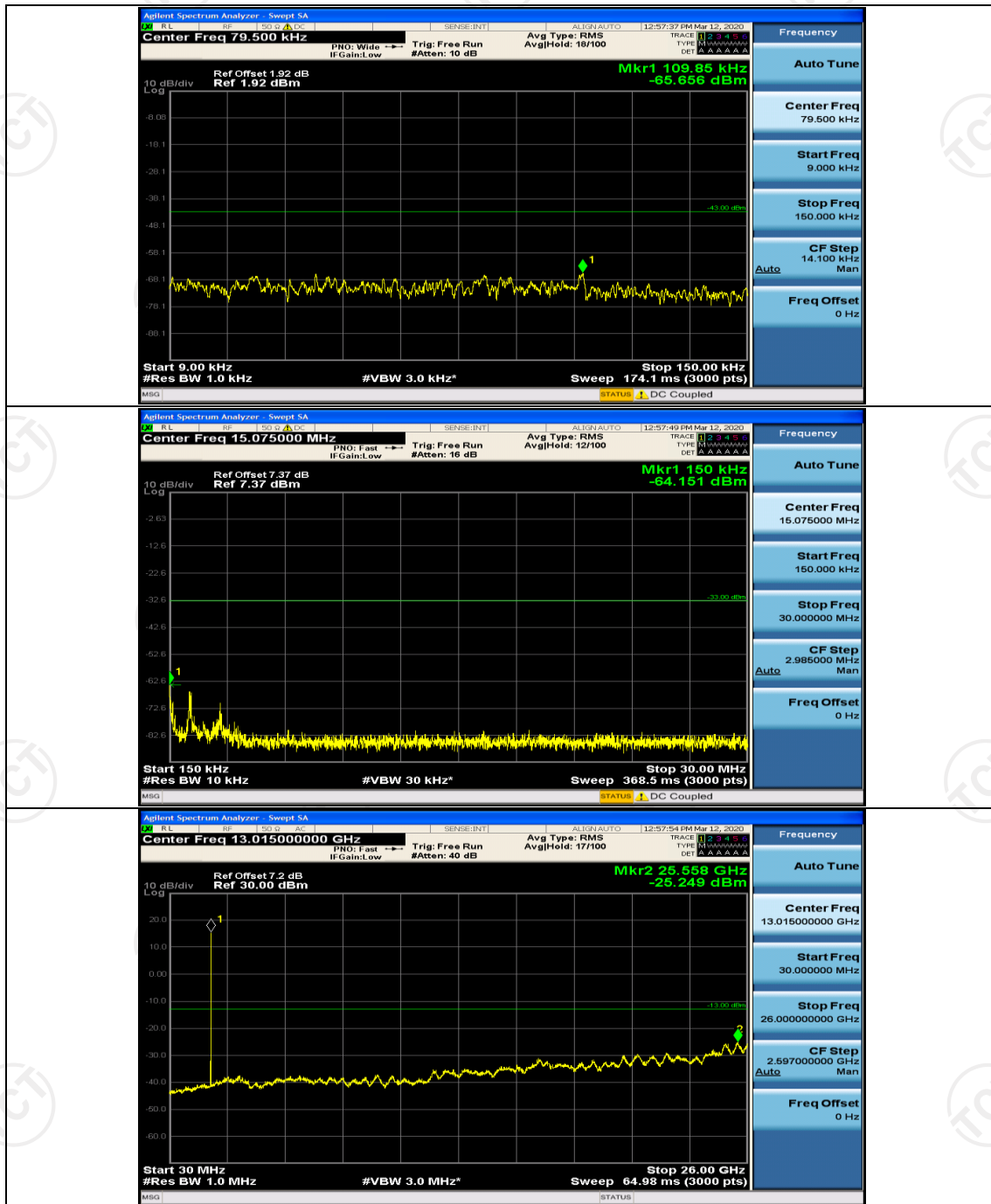












Appendix F: Frequency Stability

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	3.4	25	-9.45	-0.004967	± 2.5	PASS
		3.7	25	-9.03	-0.004877	± 2.5	PASS
		4.2	25	-8.89	-0.004834	± 2.5	PASS
	MCH	3.4	25	-1.70	-0.000891	± 2.5	PASS
		3.7	25	-1.62	-0.000860	± 2.5	PASS
		4.2	25	-1.55	-0.000843	± 2.5	PASS
	HCH	3.4	25	-5.91	-0.003029	± 2.5	PASS
		3.7	25	-5.56	-0.002915	± 2.5	PASS
		4.2	25	-5.40	-0.002733	± 2.5	PASS
16QAM	LCH	3.4	25	-3.96	-0.002284	± 2.5	PASS
		3.7	25	-3.88	-0.002095	± 2.5	PASS
		4.2	25	-3.75	-0.001861	± 2.5	PASS
	MCH	3.4	25	-5.83	-0.003173	± 2.5	PASS
		3.7	25	-5.75	-0.003059	± 2.5	PASS
		4.2	25	-5.62	-0.002943	± 2.5	PASS
	HCH	3.4	25	-6.35	-0.003247	± 2.5	PASS
		3.7	25	-6.02	-0.003154	± 2.5	PASS
		4.2	25	-5.84	-0.002903	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-10.41	-0.005697	± 2.5	PASS
		3.7	-20	-10.34	-0.005506	± 2.5	PASS
		3.7	-10	-10.21	-0.005422	± 2.5	PASS
		3.7	0	-10.03	-0.005309	± 2.5	PASS
		3.7	10	-9.81	-0.005033	± 2.5	PASS
		3.7	20	-8.97	-0.004846	± 2.5	PASS
		3.7	30	-9.01	-0.004870	± 2.5	PASS
		3.7	40	-7.17	-0.003873	± 2.5	PASS
		3.7	50	-1.60	-0.000866	± 2.5	PASS
	MCH	3.7	-30	-1.81	-0.000931	± 2.5	PASS
		3.7	-20	-1.73	-0.000895	± 2.5	PASS
		3.7	-10	-1.55	-0.000851	± 2.5	PASS
		3.7	0	-1.43	-0.000783	± 2.5	PASS
		3.7	10	-1.30	-0.000690	± 2.5	PASS

		3.7	20	-8.74	-0.004649	± 2.5	PASS
		3.7	30	-2.43	-0.001294	± 2.5	PASS
		3.7	40	-7.08	-0.003767	± 2.5	PASS
		3.7	50	-5.81	-0.003089	± 2.5	PASS
	HCH	3.7	-30	-5.97	-0.003152	± 2.5	PASS
		3.7	-20	-5.73	-0.002944	± 2.5	PASS
		3.7	-10	-5.67	-0.002830	± 2.5	PASS
		3.7	0	-5.53	-0.002706	± 2.5	PASS
		3.7	10	-5.40	-0.002613	± 2.5	PASS
		3.7	20	-9.84	-0.005155	± 2.5	PASS
		3.7	30	-4.89	-0.002562	± 2.5	PASS
		3.7	40	-6.47	-0.003387	± 2.5	PASS
		3.7	50	-9.18	-0.004810	± 2.5	PASS
16QAM	LCH	3.7	-30	-9.03	-0.004759	± 2.5	PASS
		3.7	-20	-8.84	-0.004634	± 2.5	PASS
		3.7	-10	-8.71	-0.004529	± 2.5	PASS
		3.7	0	-8.62	-0.004455	± 2.5	PASS
		3.7	10	-8.59	-0.004430	± 2.5	PASS
		3.7	20	-3.06	-0.001654	± 2.5	PASS
		3.7	30	-4.35	-0.002350	± 2.5	PASS
		3.7	40	-5.69	-0.003076	± 2.5	PASS
		3.7	50	-3.05	-0.001646	± 2.5	PASS
	MCH	3.7	-30	-2.76	-0.001523	± 2.5	PASS
		3.7	-20	-2.67	-0.001422	± 2.5	PASS
		3.7	-10	-2.59	-0.001304	± 2.5	PASS
		3.7	0	-2.46	-0.001215	± 2.5	PASS
		3.7	10	-3.60	-0.002010	± 2.5	PASS
		3.7	20	-3.48	-0.001849	± 2.5	PASS
		3.7	30	-4.43	-0.002359	± 2.5	PASS
		3.7	40	-6.58	-0.003500	± 2.5	PASS
		3.7	50	-4.23	-0.002252	± 2.5	PASS
	HCH	3.7	-30	-4.56	-0.002403	± 2.5	PASS
		3.7	-20	-4.69	-0.002577	± 2.5	PASS
		3.7	-10	-4.75	-0.002639	± 2.5	PASS
		3.7	0	-5.03	-0.002931	± 2.5	PASS
		3.7	10	-5.15	-0.003102	± 2.5	PASS
		3.7	20	-7.28	-0.003814	± 2.5	PASS
		3.7	30	-3.81	-0.001993	± 2.5	PASS
		3.7	40	-1.09	-0.000569	± 2.5	PASS
		3.7	50	-9.57	-0.005012	± 2.5	PASS