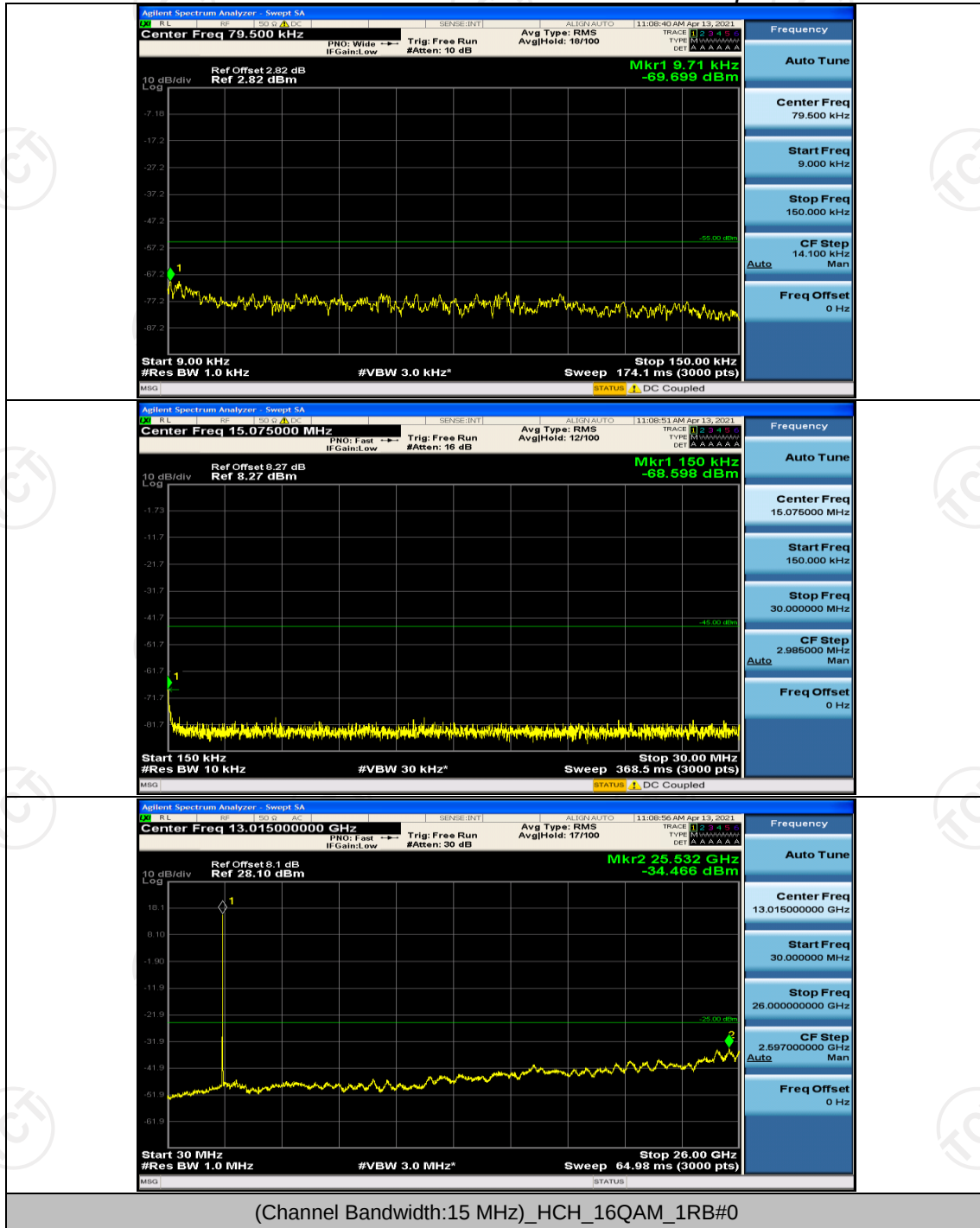
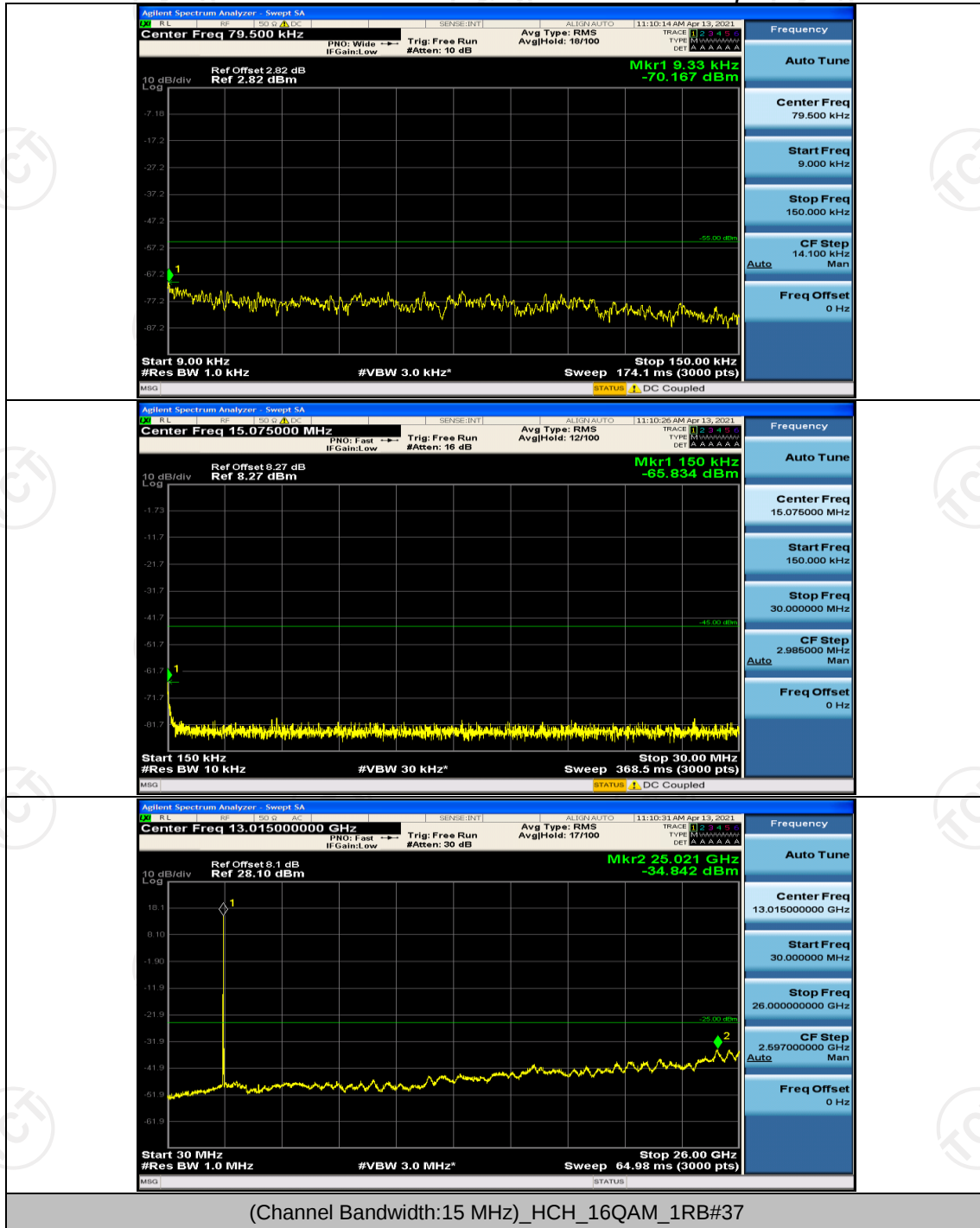
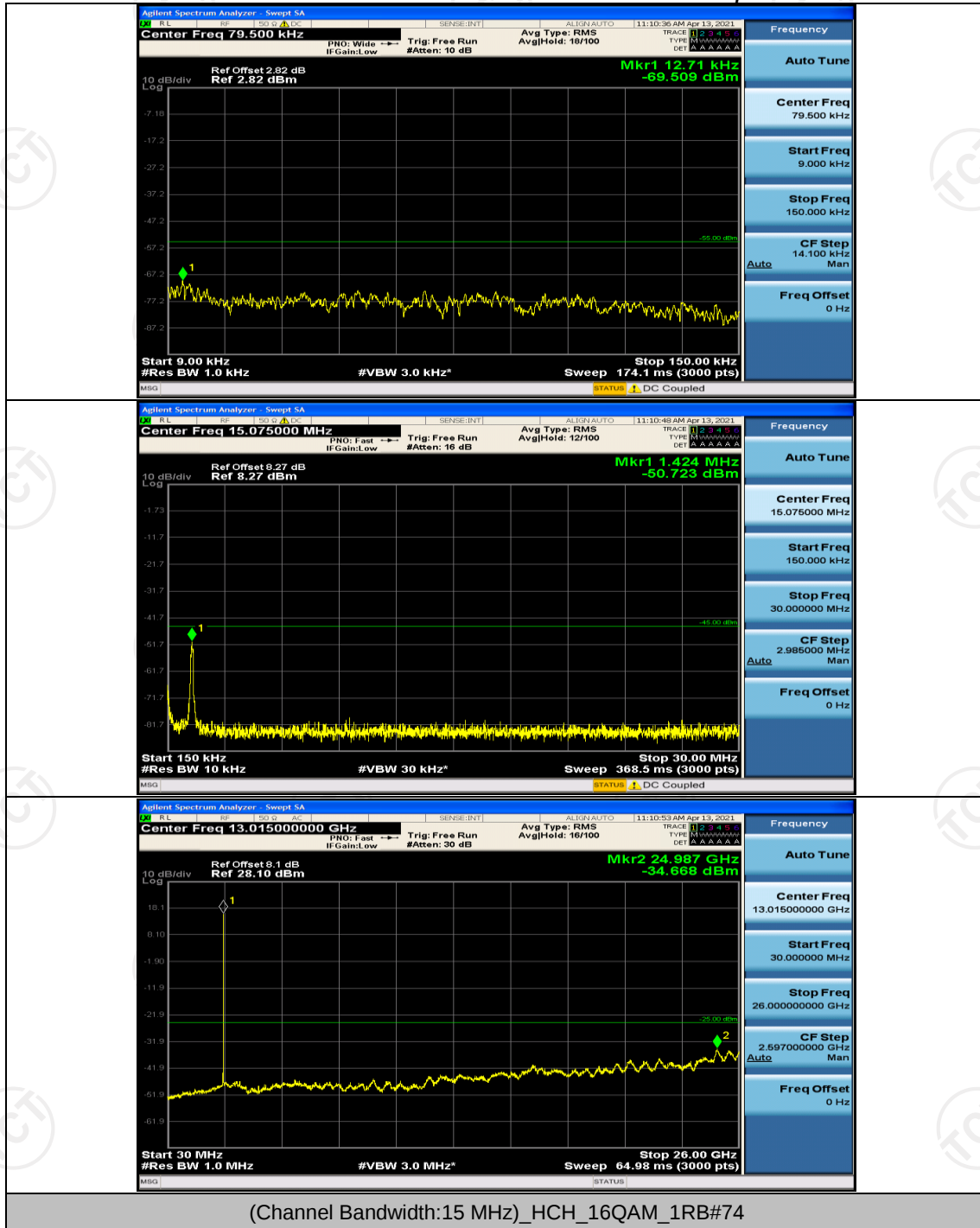
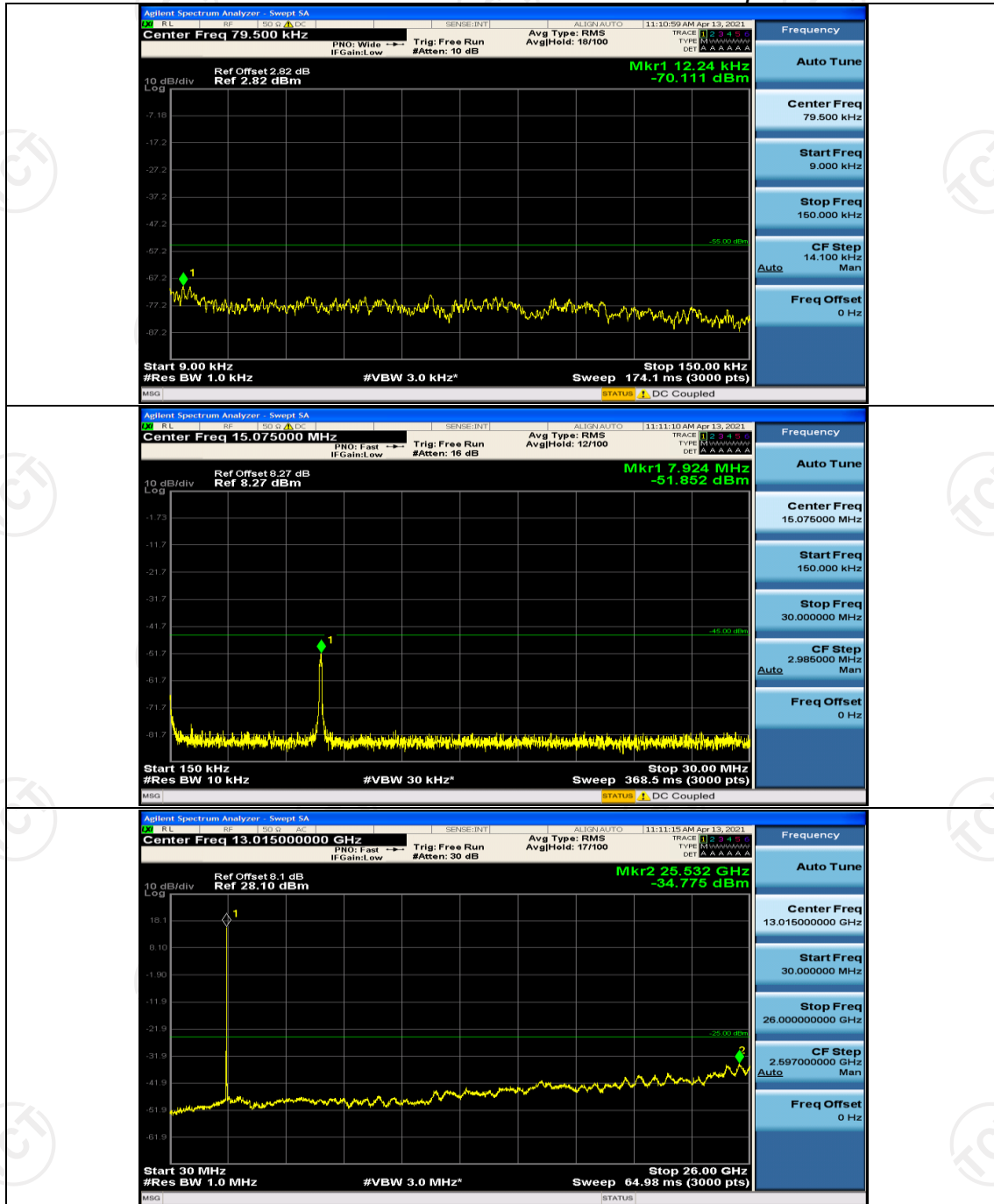




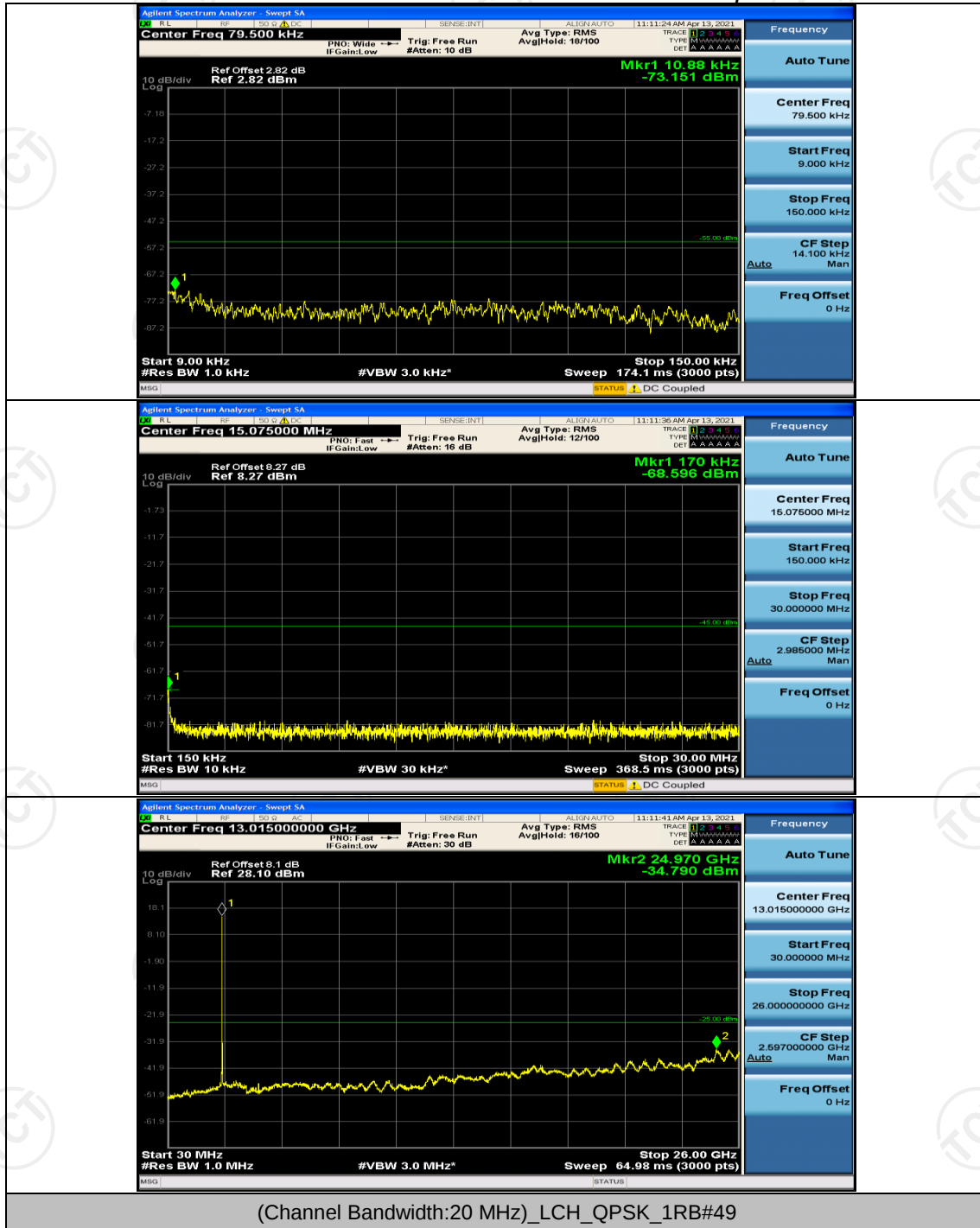


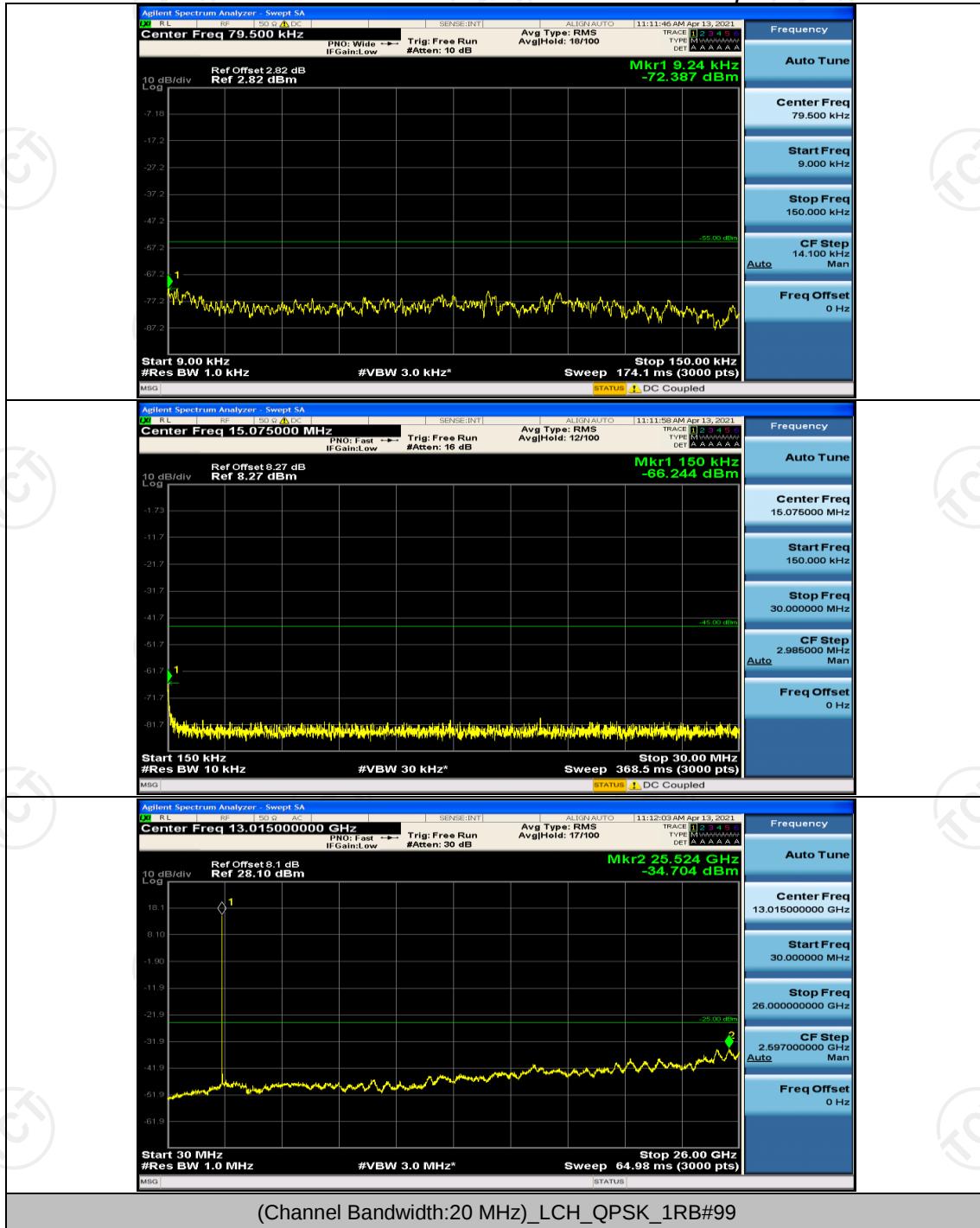


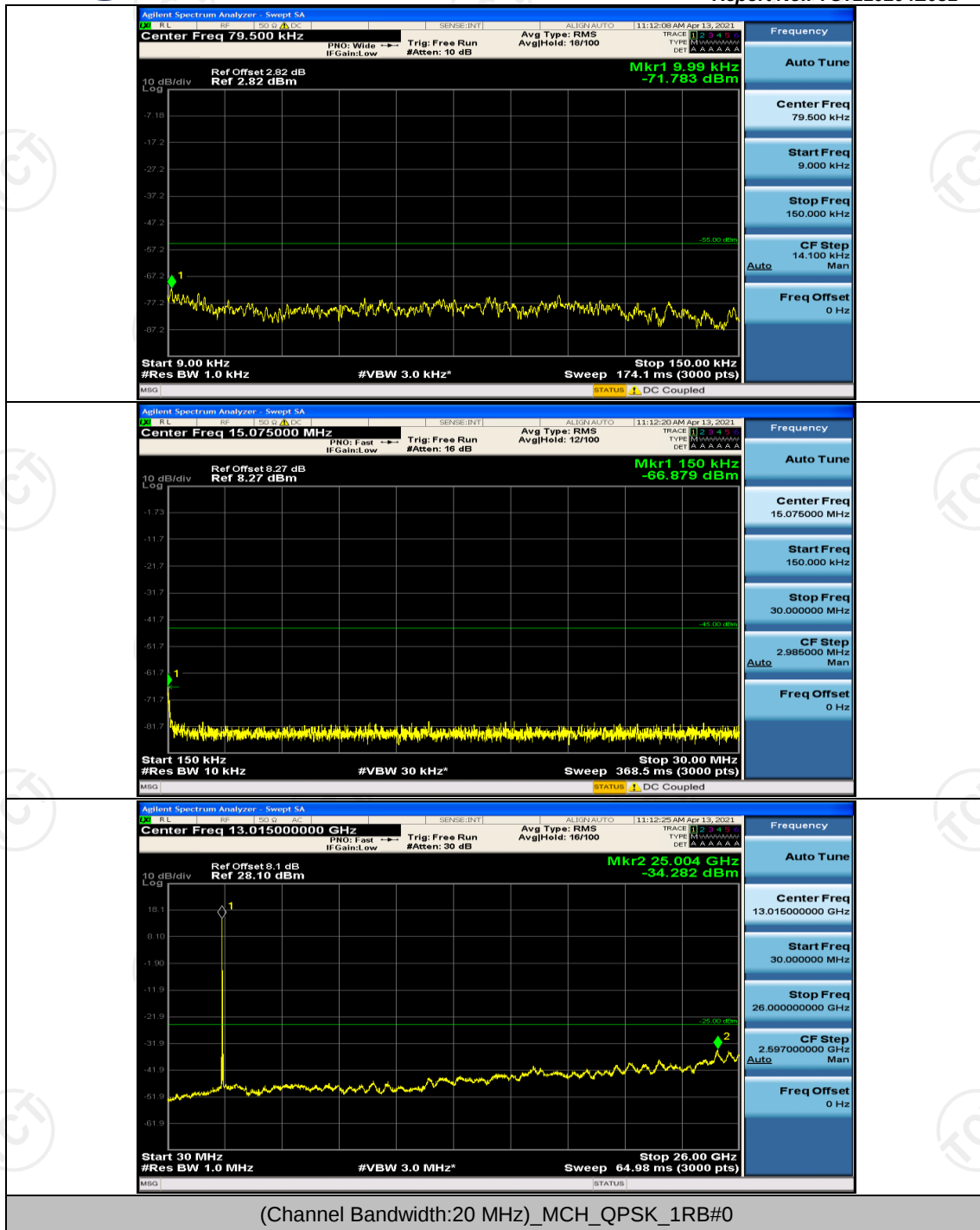


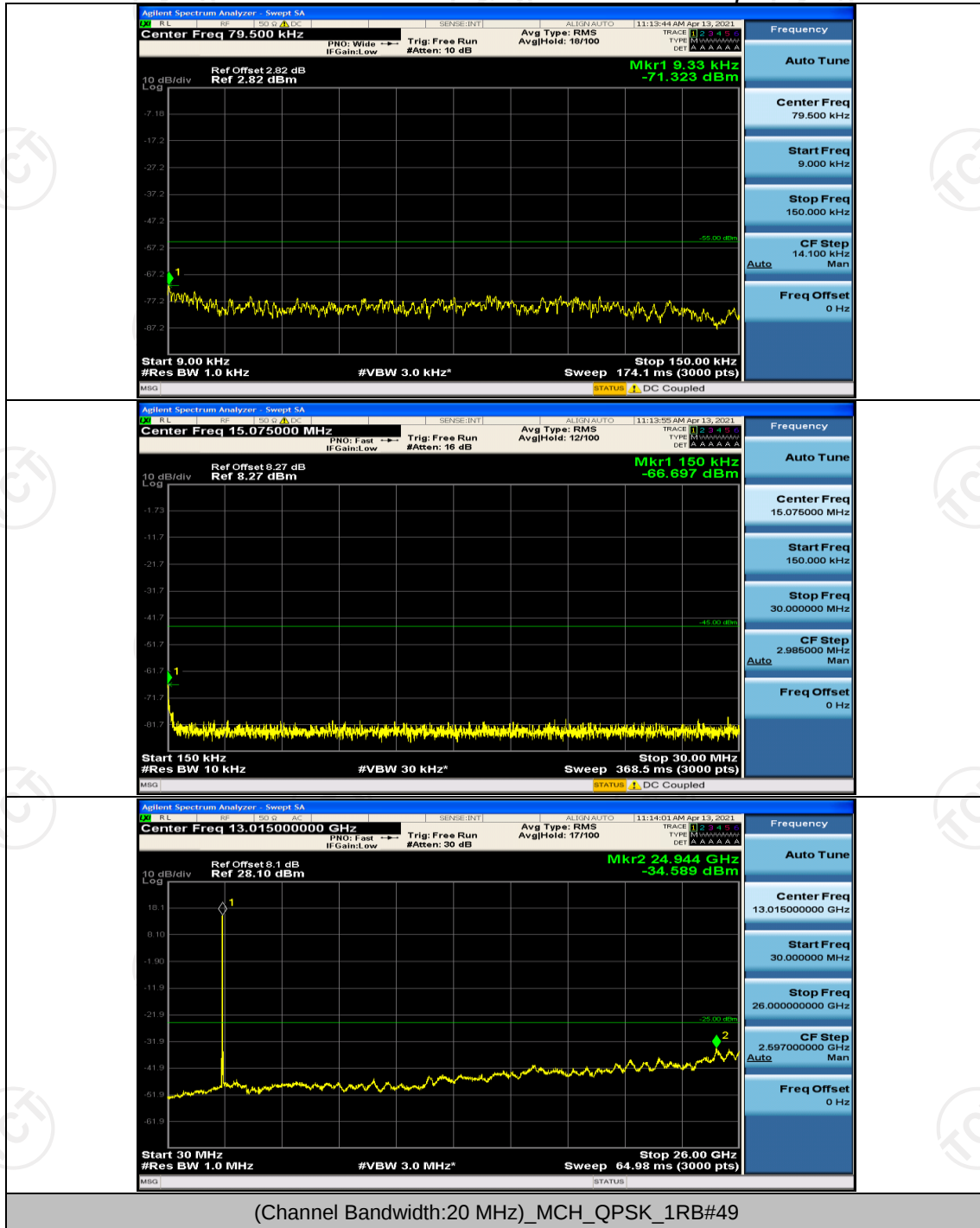
Channel Bandwidth: 20 MHz

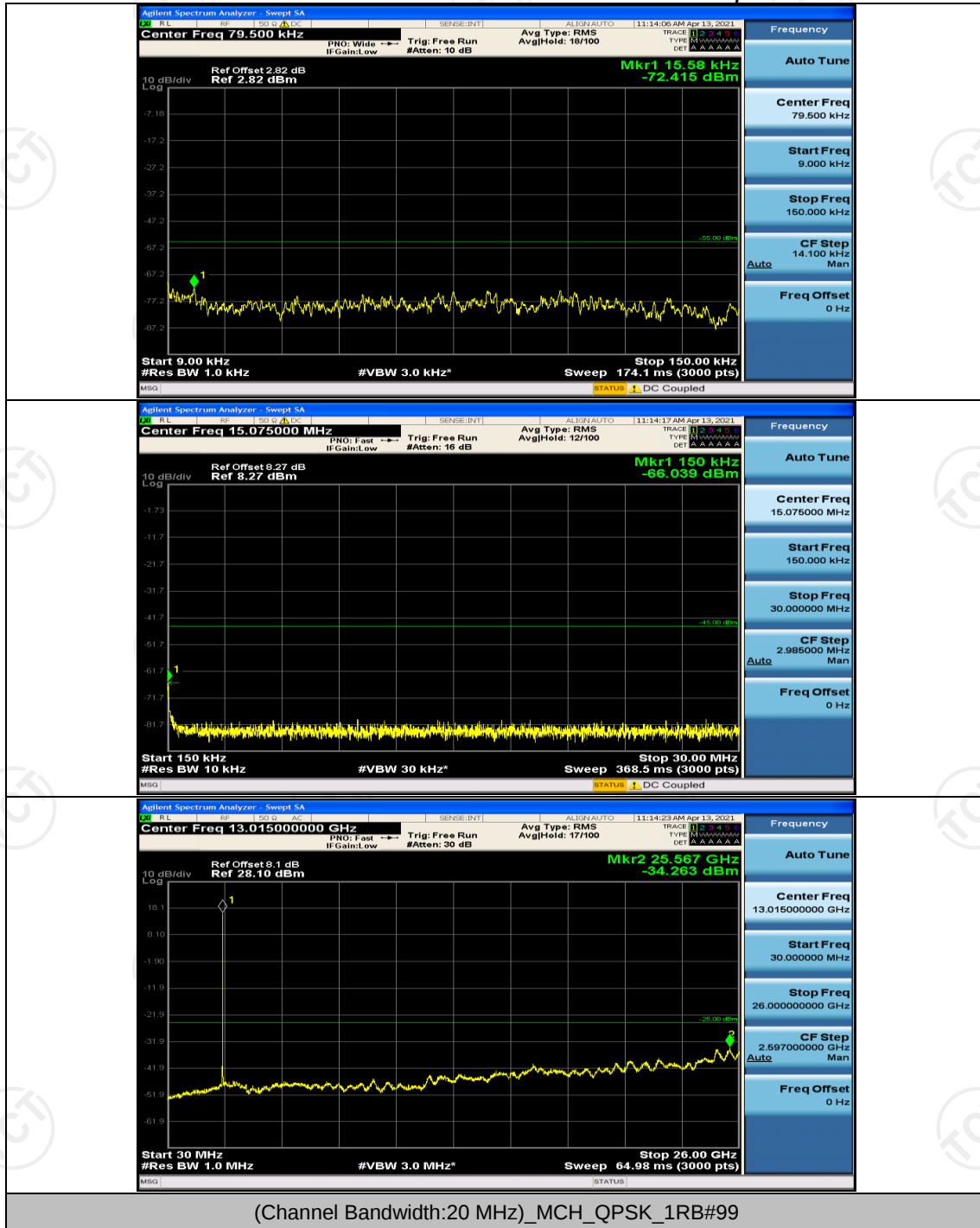
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

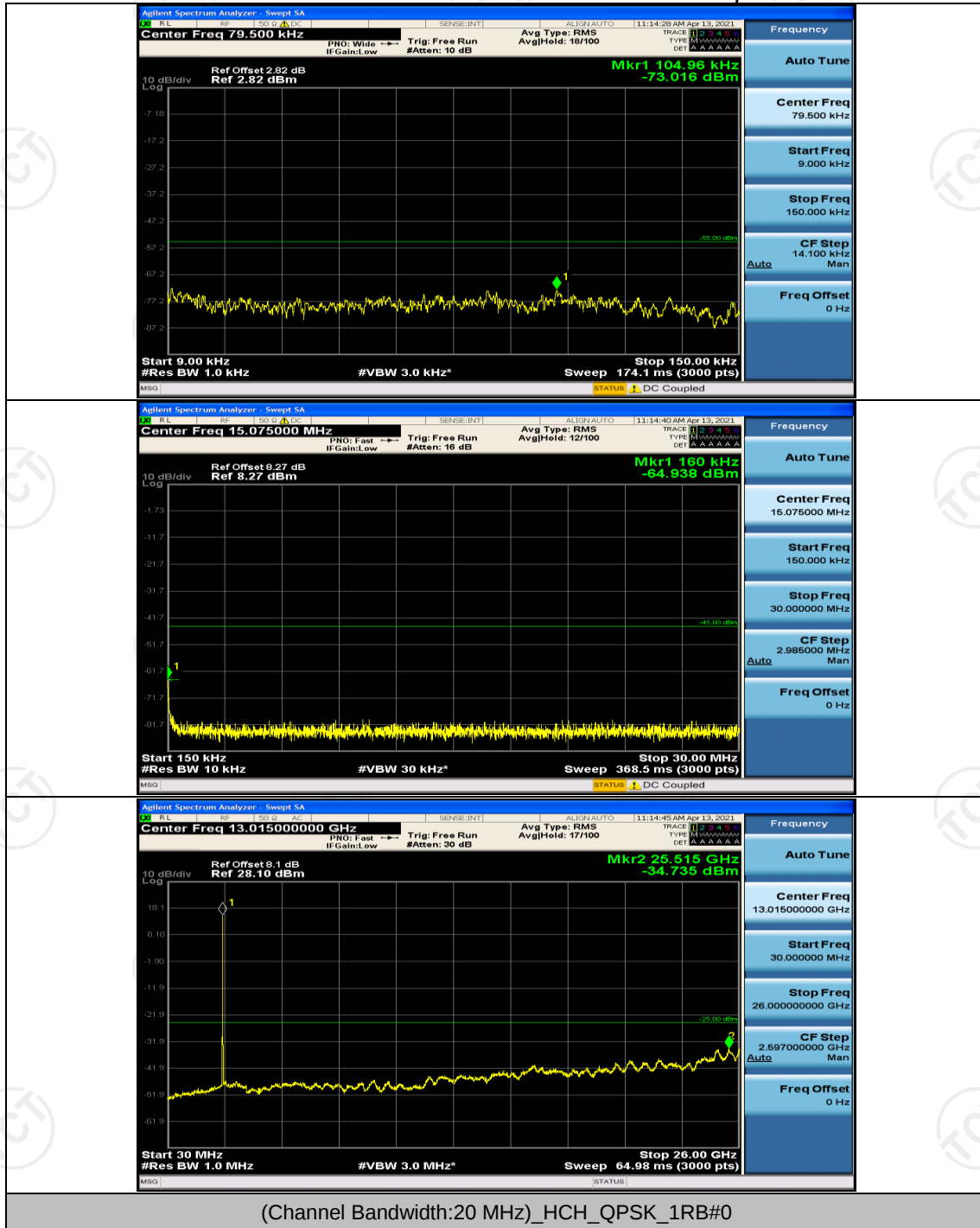


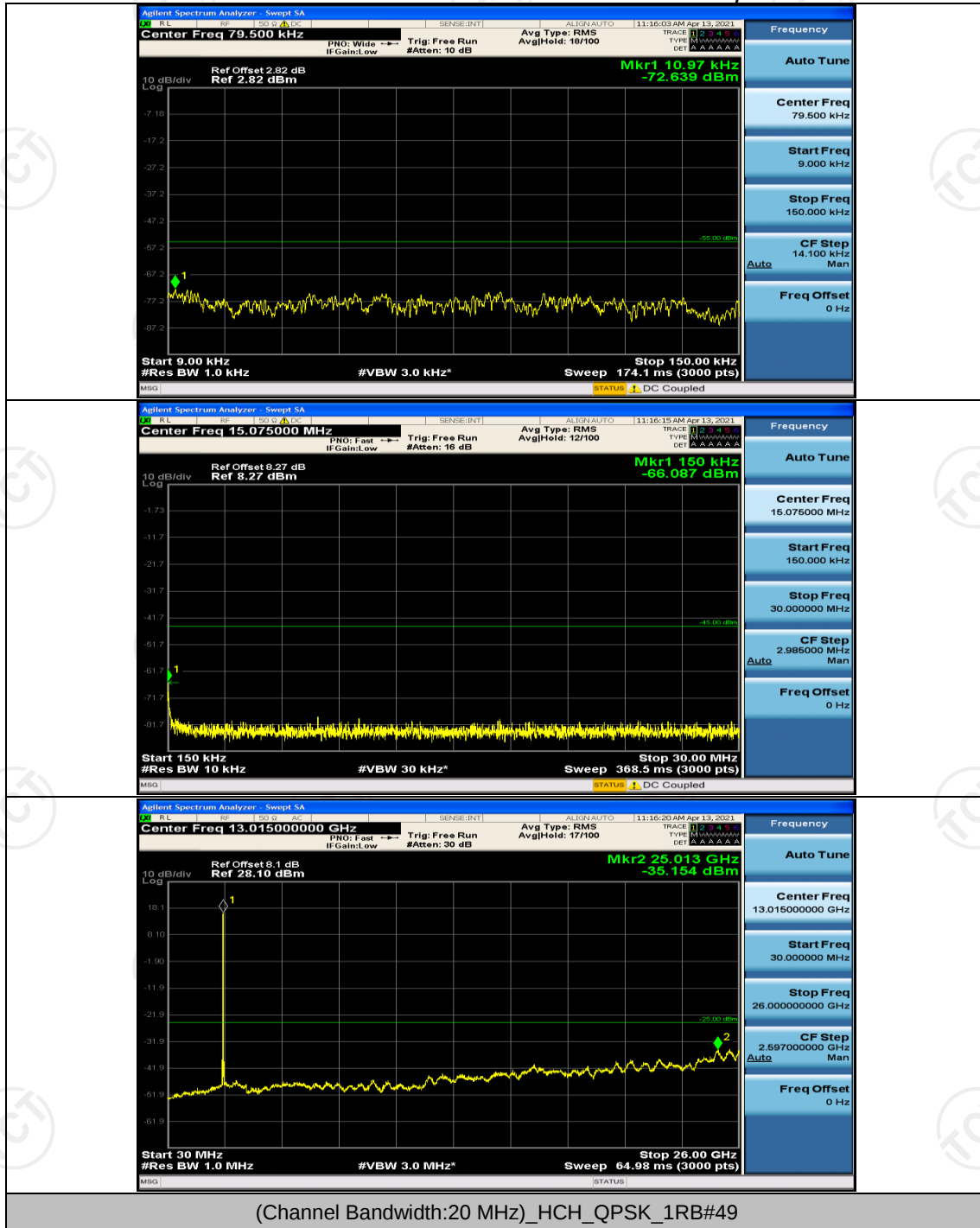


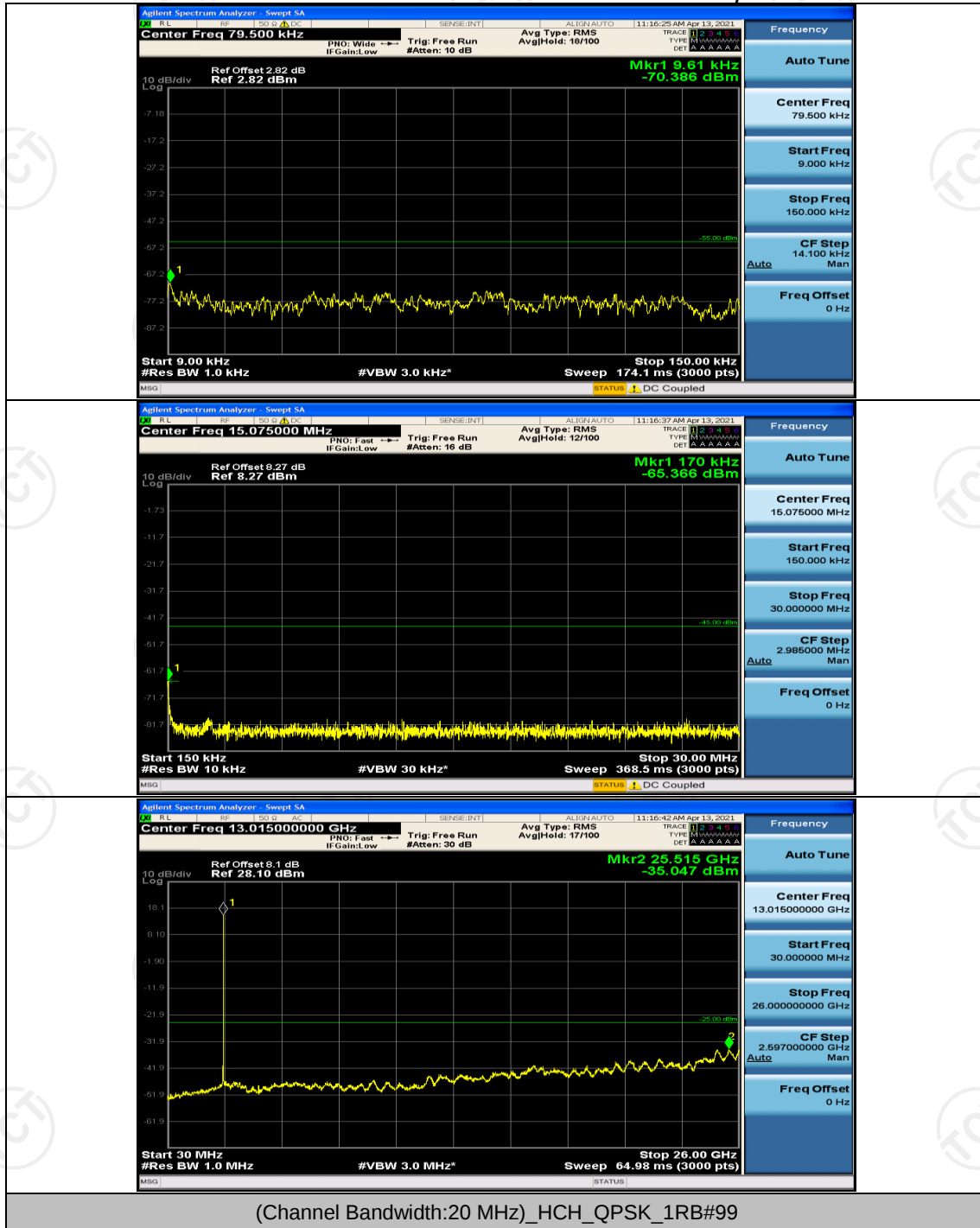


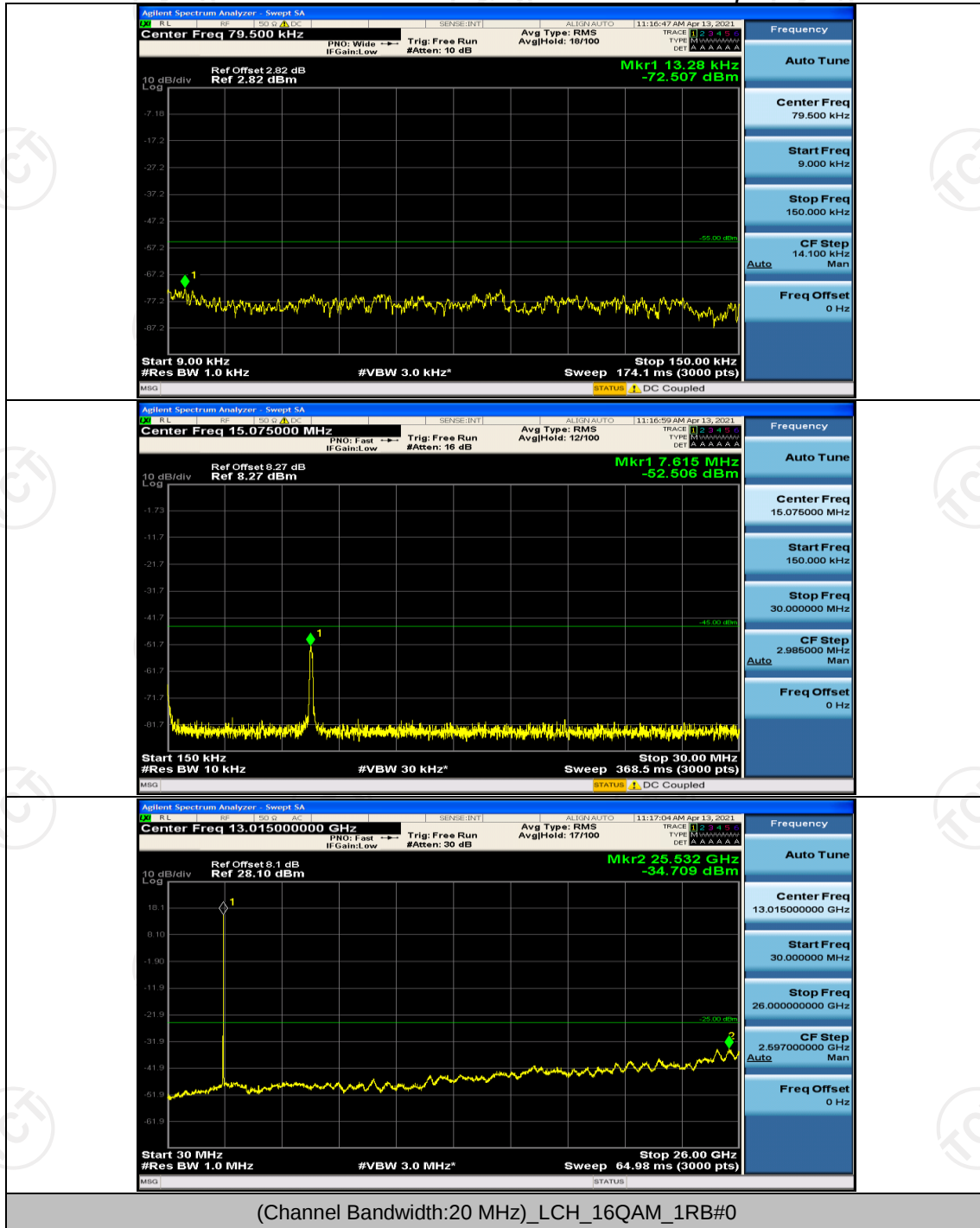


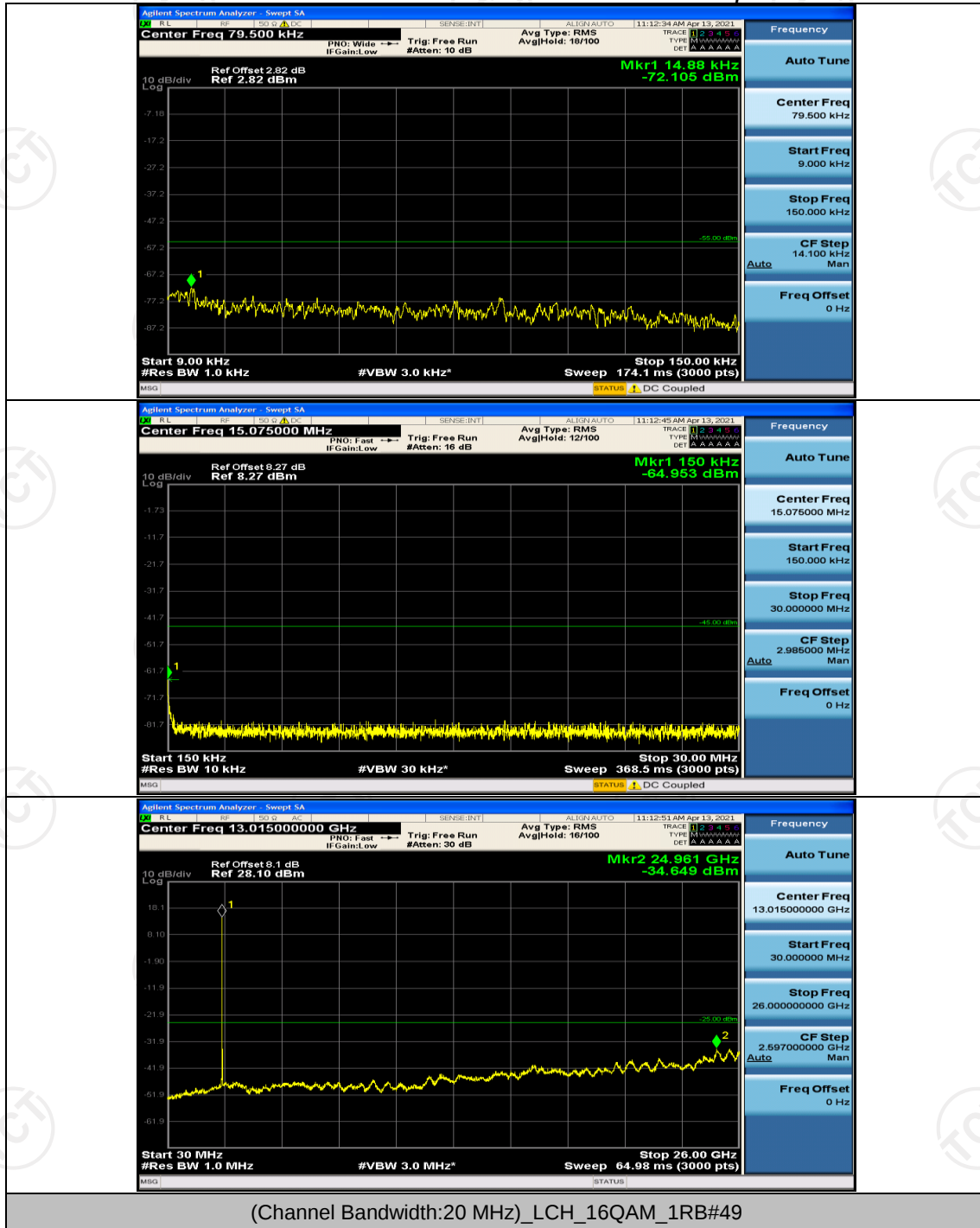


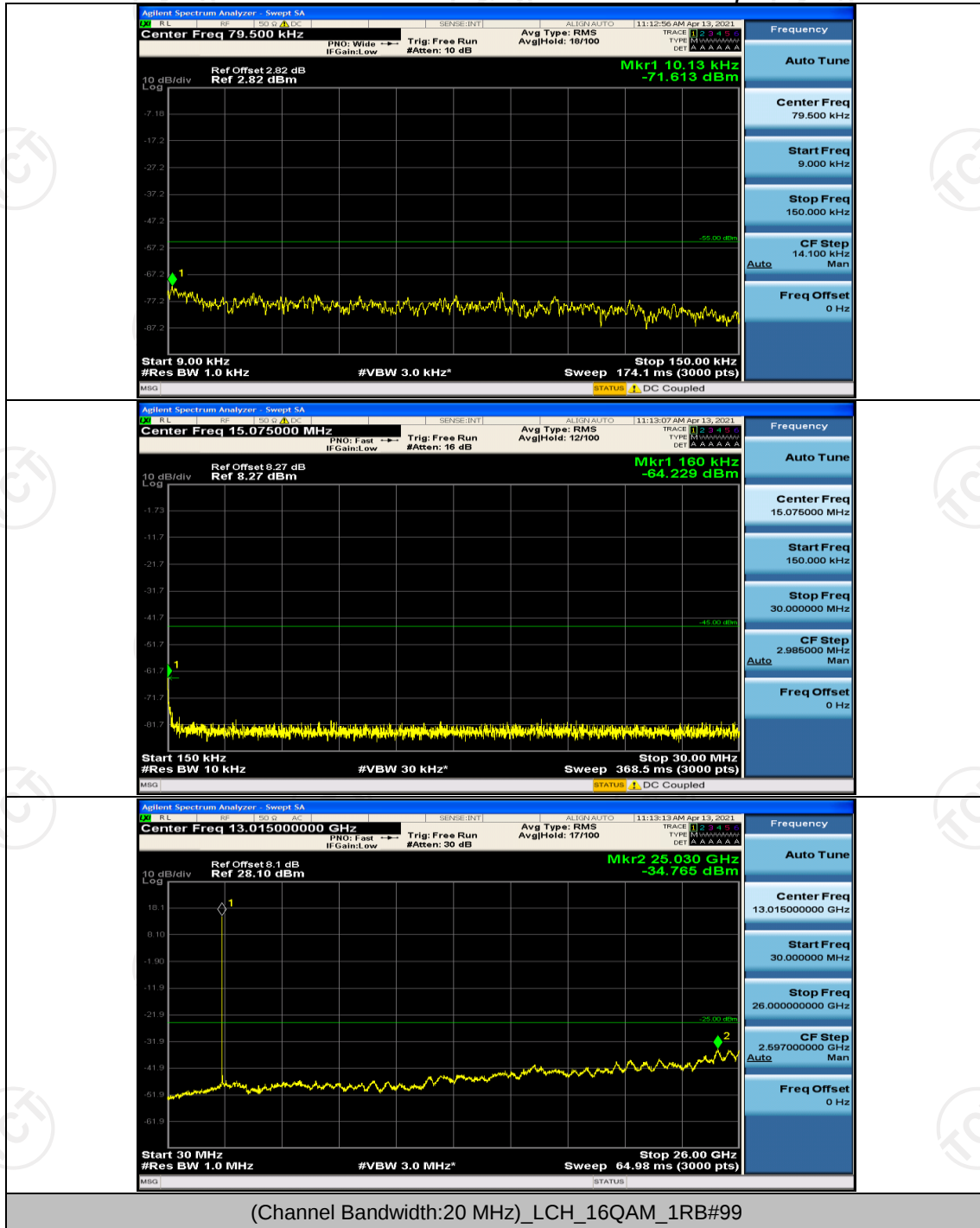


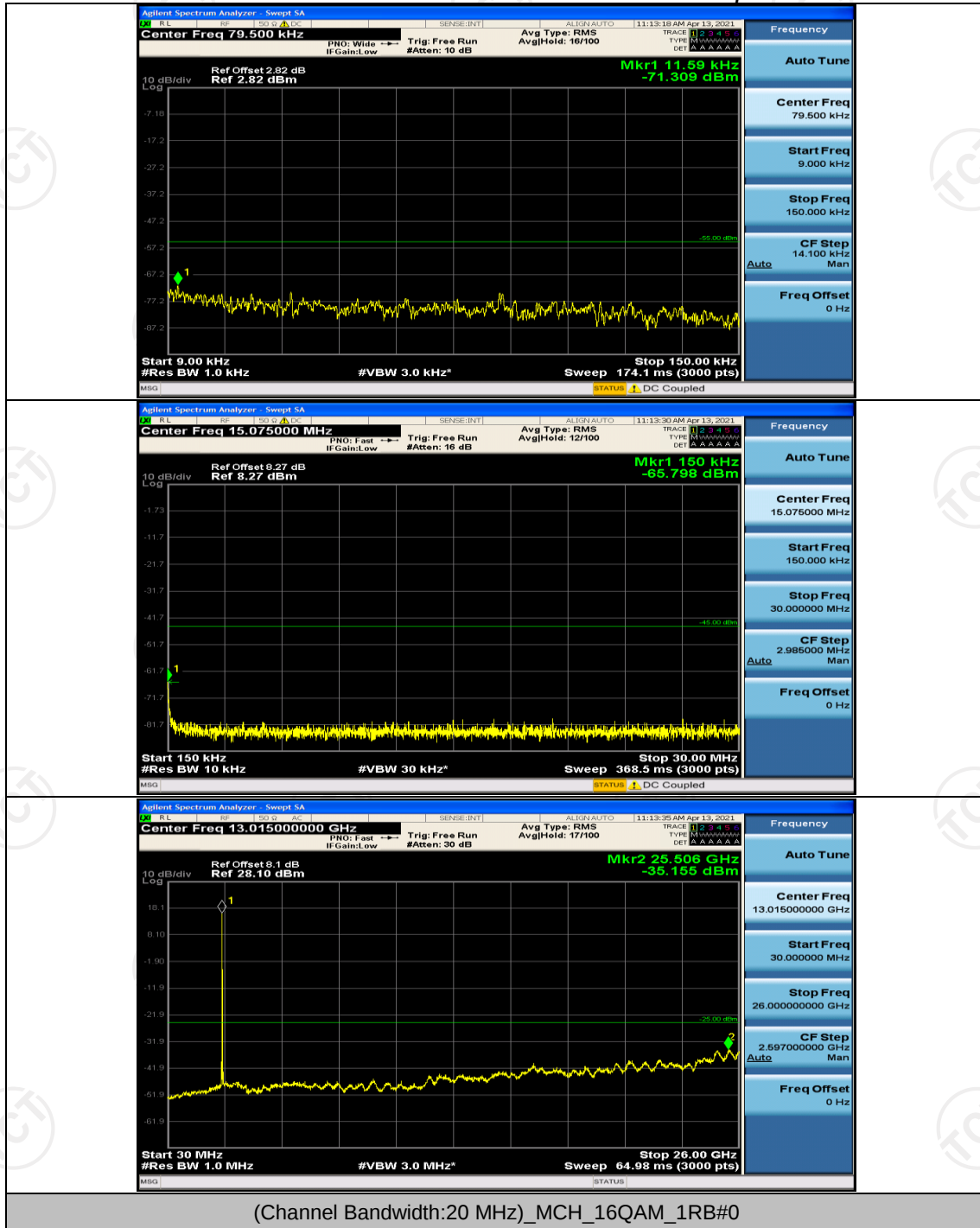


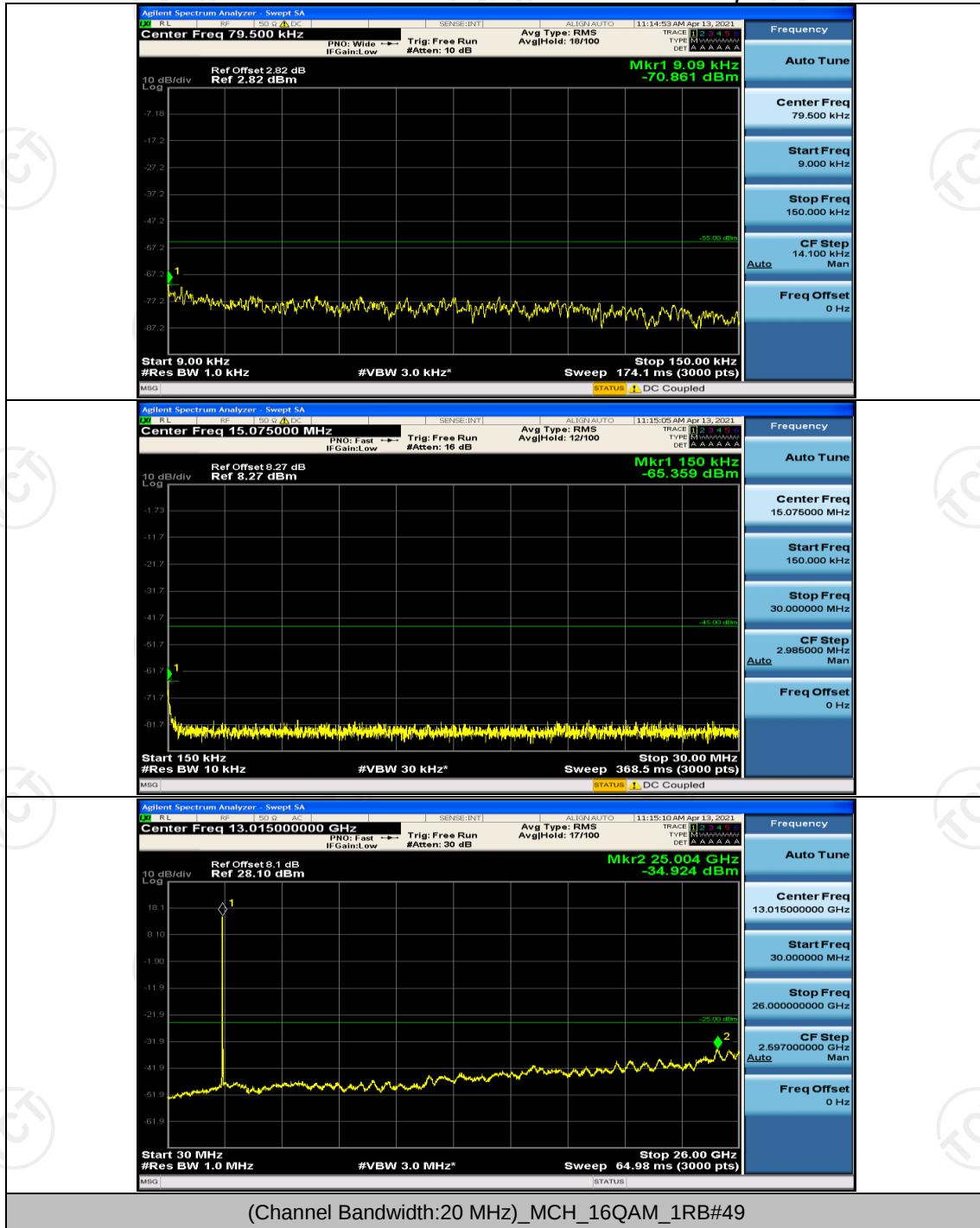


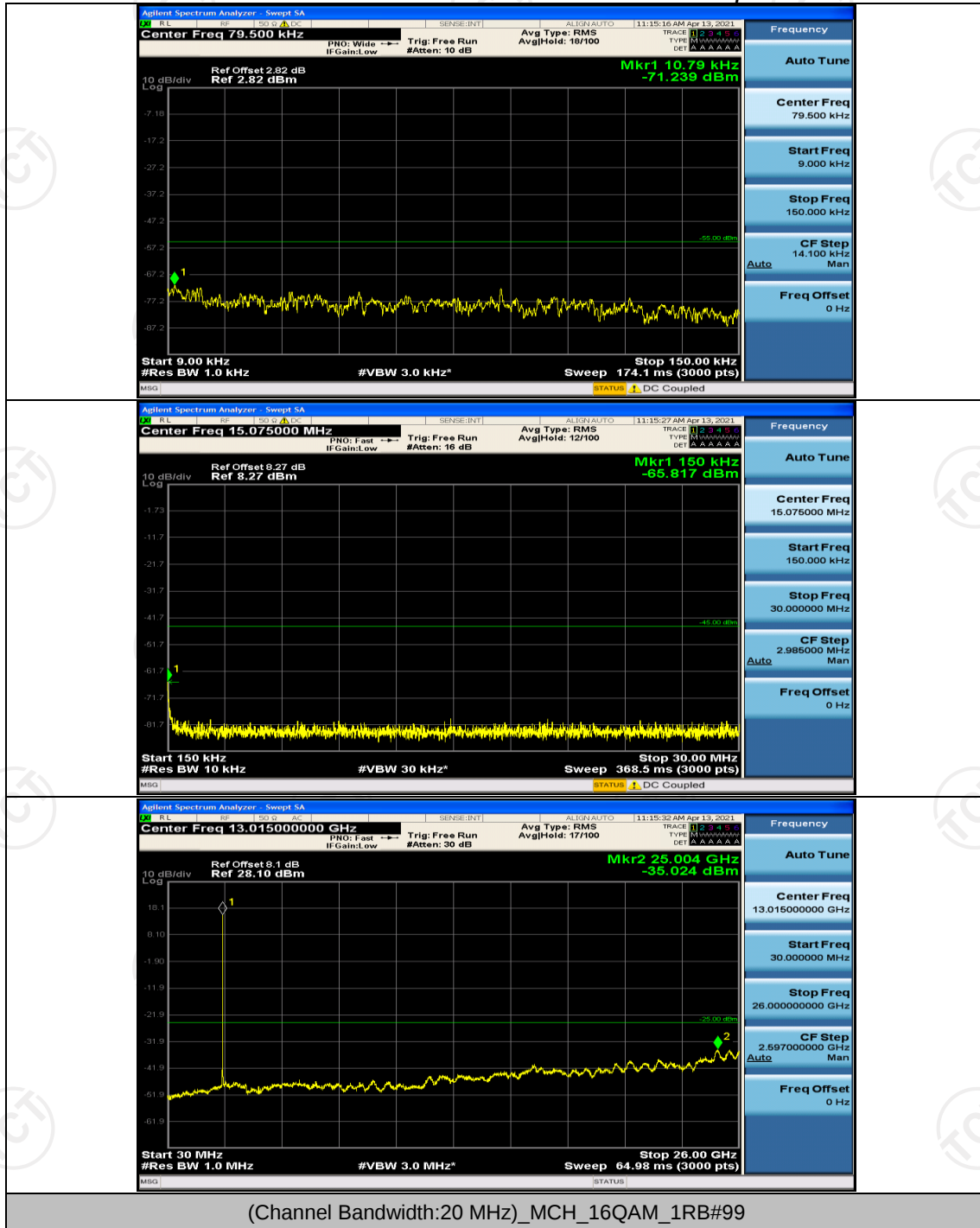


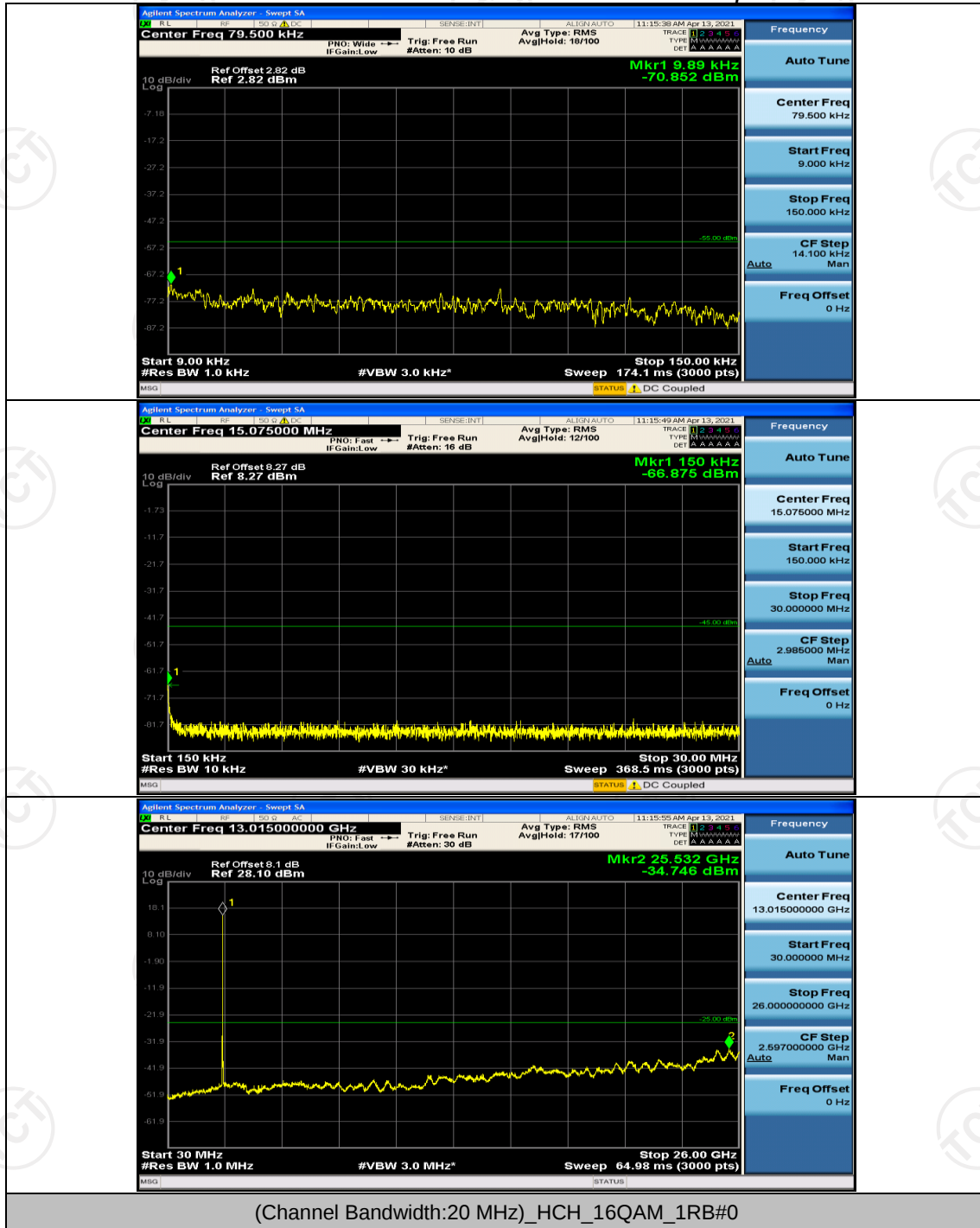


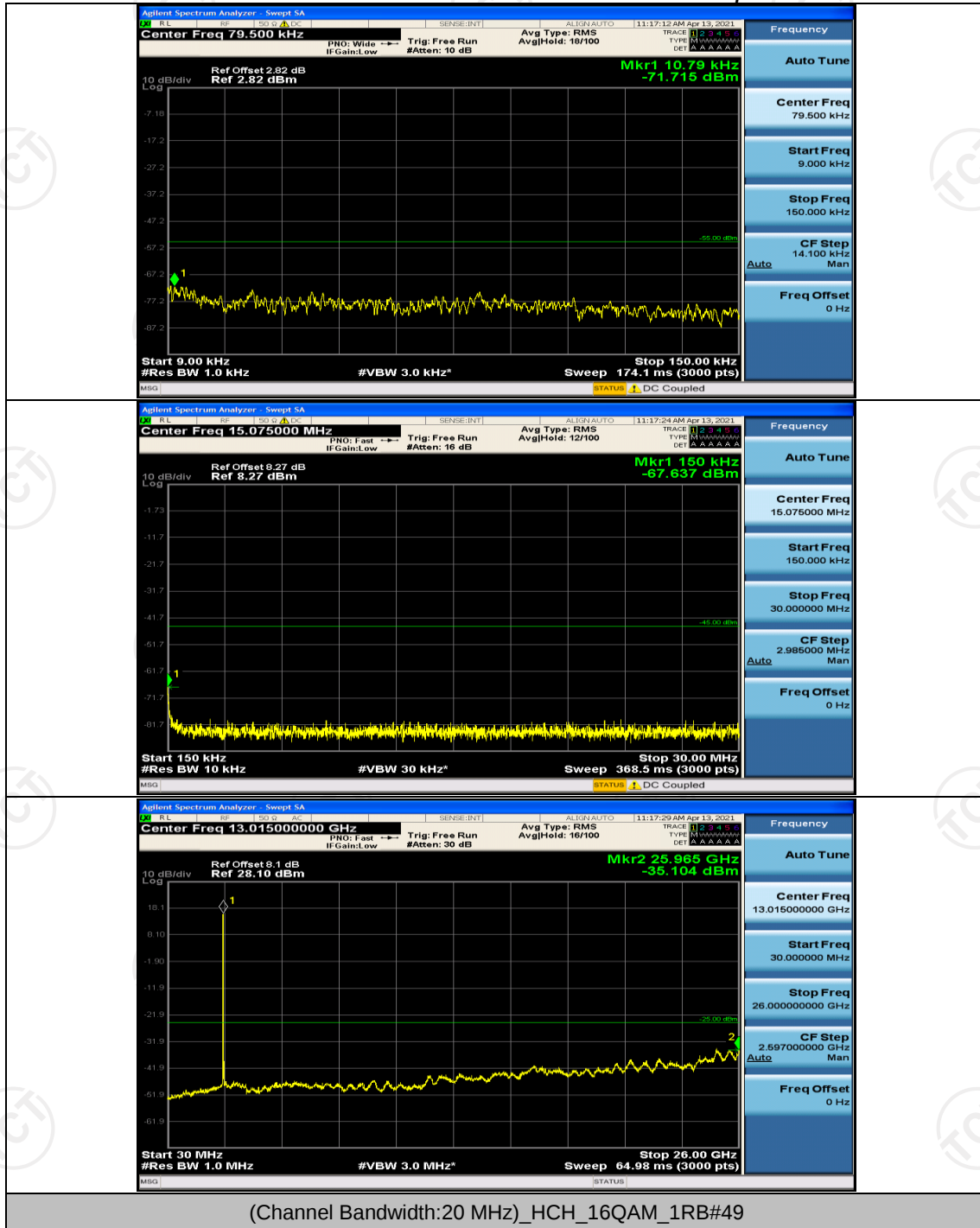


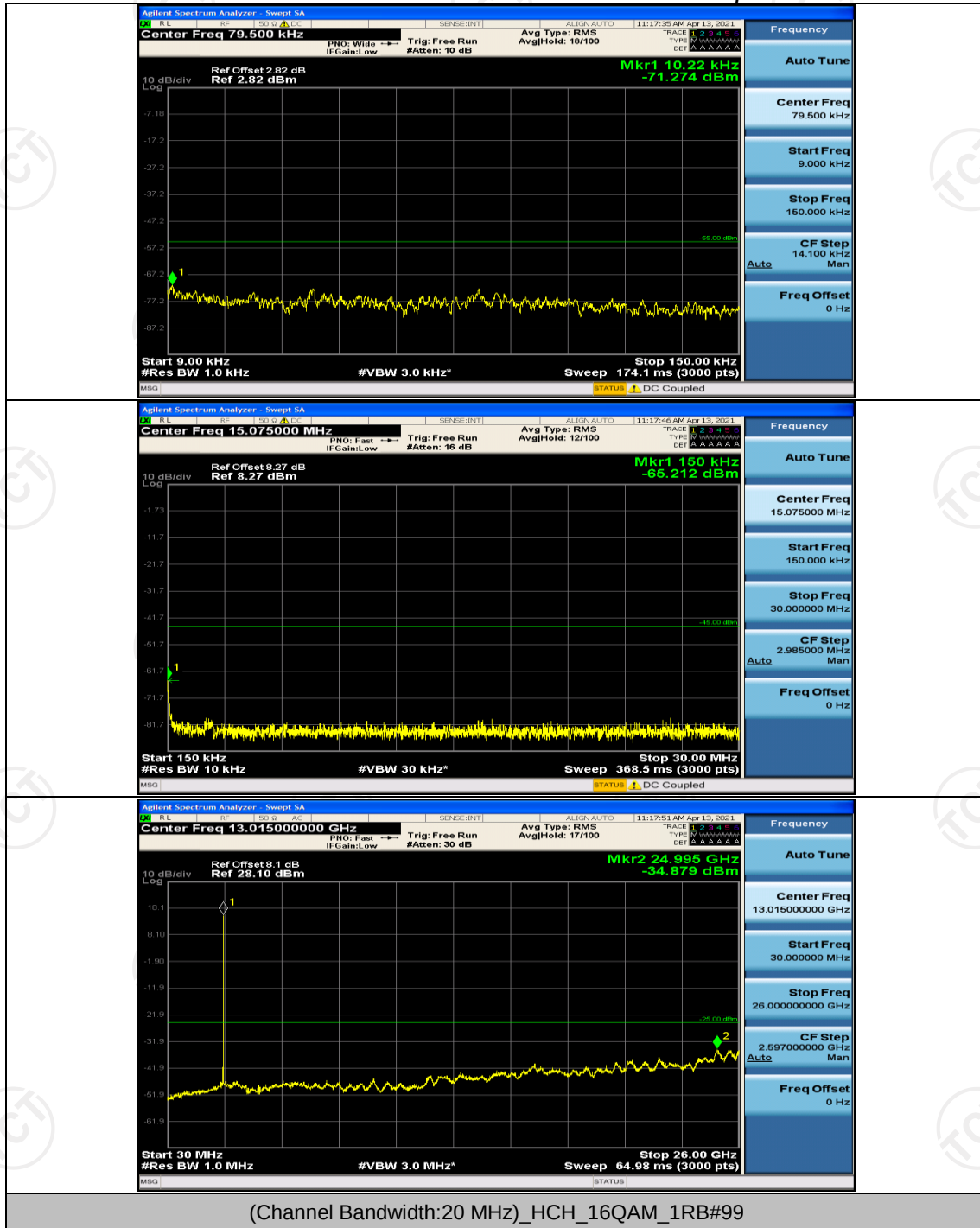


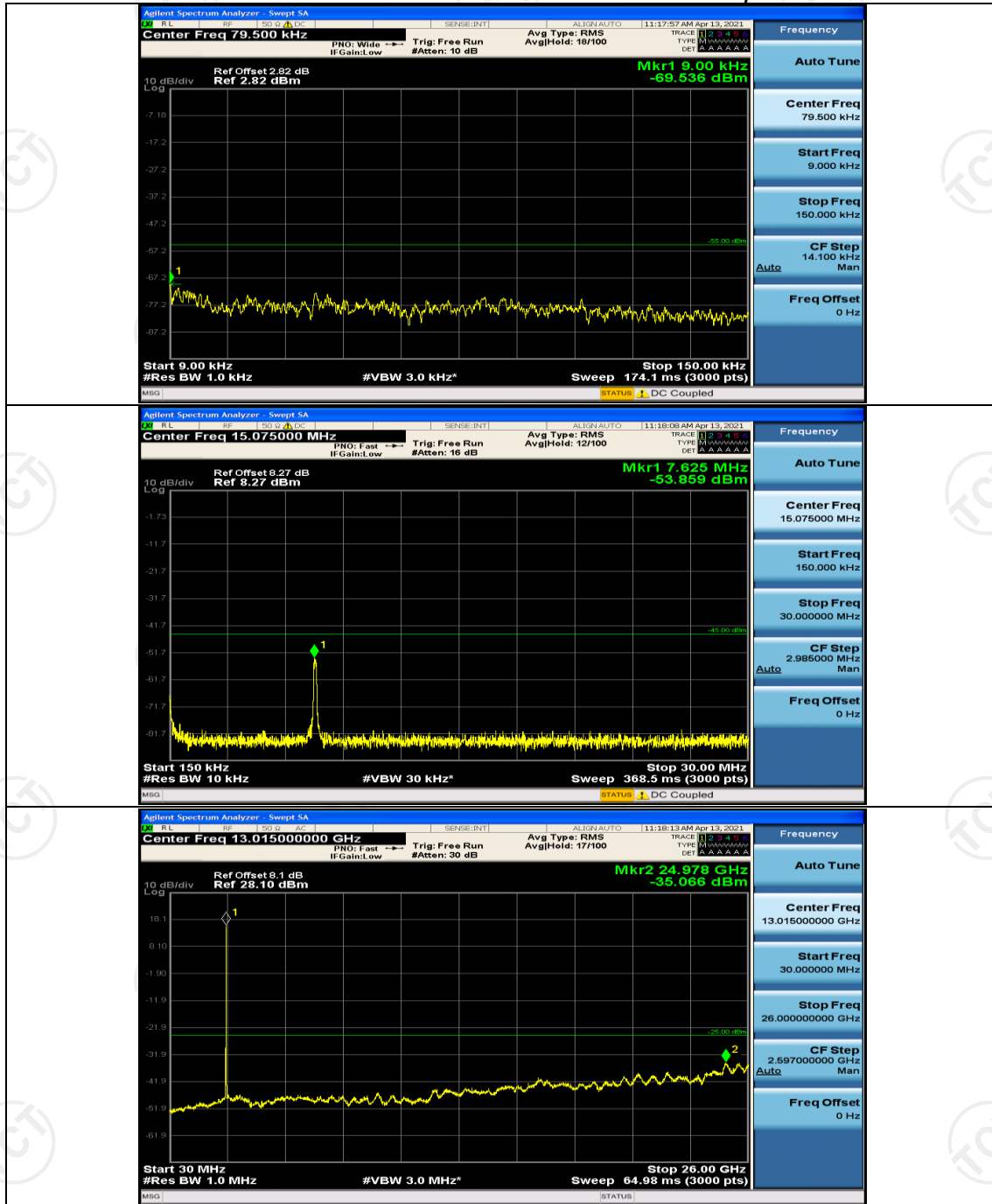












Appendix F: Frequency Stability

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	0.14	0.000090	± 2.5	PASS
		3.8	25	0.27	0.000112	± 2.5	PASS
		4.35	25	-0.04	-0.000100	± 2.5	PASS
	MCH	3.4	25	-3.80	-0.001462	± 2.5	PASS
		3.8	25	-4.04	-0.001595	± 2.5	PASS
		4.35	25	-3.70	-0.001394	± 2.5	PASS
	HCH	3.4	25	-3.51	-0.001284	± 2.5	PASS
		3.8	25	-2.67	-0.001040	± 2.5	PASS
		4.35	25	-2.52	-0.000980	± 2.5	PASS
16QAM	LCH	3.4	25	-2.40	-0.000861	± 2.5	PASS
		3.8	25	0.05	0.000002	± 2.5	PASS
		4.35	25	0.14	0.000120	± 2.5	PASS
	MCH	3.4	25	0.21	0.000135	± 2.5	PASS
		3.8	25	-3.65	-0.001454	± 2.5	PASS
		4.35	25	-3.44	-0.001322	± 2.5	PASS
	HCH	3.4	25	-3.35	-0.001280	± 2.5	PASS
		3.8	25	-4.44	-0.001737	± 2.5	PASS
		4.35	25	-4.27	-0.001675	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.8	-30	-3.26	-0.001786	± 2.5	PASS
		3.8	-20	-3.13	-0.001612	± 2.5	PASS
		3.8	-10	-2.90	-0.001400	± 2.5	PASS
		3.8	0	-2.77	-0.001272	± 2.5	PASS
		3.8	10	-2.65	-0.001127	± 2.5	PASS
		3.8	20	-2.50	-0.001007	± 2.5	PASS
		3.8	30	1.45	0.000585	± 2.5	PASS
		3.8	40	-1.75	-0.000545	± 2.5	PASS
		3.8	50	-3.64	-0.001454	± 2.5	PASS
	MCH	3.8	-30	-3.40	-0.001372	± 2.5	PASS
		3.8	-20	-3.25	-0.001242	± 2.5	PASS
		3.8	-10	-3.11	-0.001131	± 2.5	PASS
		3.8	0	-3.02	-0.001023	± 2.5	PASS
		3.8	10	-2.84	-0.000965	± 2.5	PASS
		3.8	20	-6.65	-0.002632	± 2.5	PASS
		3.8	30	-3.47	-0.001375	± 2.5	PASS
		3.8	40	-4.64	-0.001842	± 2.5	PASS
		3.8	50	-4.84	-0.001917	± 2.5	PASS
	HCH	3.8	-30	-4.70	-0.001844	± 2.5	PASS

		3.8	-20	-4.51	-0.001720	± 2.5	PASS
		3.8	-10	-4.30	-0.001607	± 2.5	PASS
		3.8	0	-4.12	-0.001502	± 2.5	PASS
		3.8	10	-4.00	-0.001414	± 2.5	PASS
		3.8	20	-1.32	-0.000525	± 2.5	PASS
		3.8	30	-3.70	-0.001455	± 2.5	PASS
		3.8	40	-0.01	-0.000010	± 2.5	PASS
		3.8	50	-2.75	-0.001052	± 2.5	PASS
16QAM	LCH	3.8	-30	-2.54	-0.000991	± 2.5	PASS
		3.8	-20	-2.30	-0.000892	± 2.5	PASS
		3.8	-10	-2.10	-0.000774	± 2.5	PASS
		3.8	0	-2.02	-0.000701	± 2.5	PASS
		3.8	10	-2.92	-0.001252	± 2.5	PASS
		3.8	20	-2.74	-0.001101	± 2.5	PASS
		3.8	30	-11.05	-0.004422	± 2.5	PASS
		3.8	40	-4.31	-0.001724	± 2.5	PASS
		3.8	50	-5.00	-0.002000	± 2.5	PASS
	MCH	3.8	-30	-4.84	-0.001917	± 2.5	PASS
		3.8	-20	-4.71	-0.001722	± 2.5	PASS
		3.8	-10	-4.52	-0.001641	± 2.5	PASS
		3.8	0	-4.33	-0.001481	± 2.5	PASS
		3.8	10	-4.05	-0.001295	± 2.5	PASS
		3.8	20	-0.46	-0.000174	± 2.5	PASS
		3.8	30	1.55	0.000620	± 2.5	PASS
		3.8	40	-5.00	-0.001984	± 2.5	PASS
		3.8	50	-4.90	-0.001957	± 2.5	PASS
	HCH	3.8	-30	-4.82	-0.001761	± 2.5	PASS
		3.8	-20	-4.62	-0.001635	± 2.5	PASS
		3.8	-10	-4.35	-0.001471	± 2.5	PASS
		3.8	0	-4.16	-0.001356	± 2.5	PASS
		3.8	10	-4.00	-0.001238	± 2.5	PASS
		3.8	20	0.36	0.000138	± 2.5	PASS
		3.8	30	-5.35	-0.002077	± 2.5	PASS
		3.8	40	-2.00	-0.000788	± 2.5	PASS
		3.8	50	-1.02	-0.000409	± 2.5	PASS