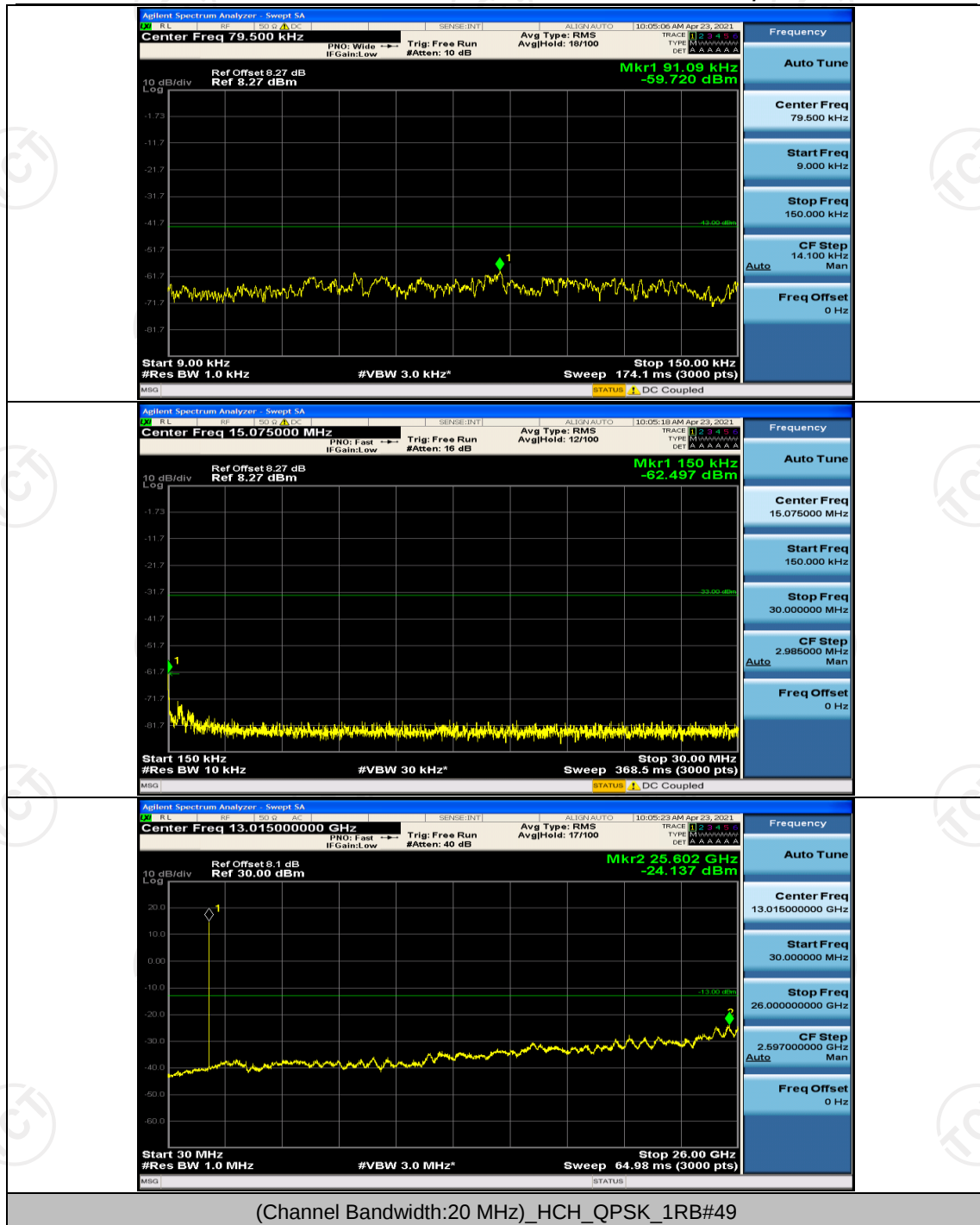
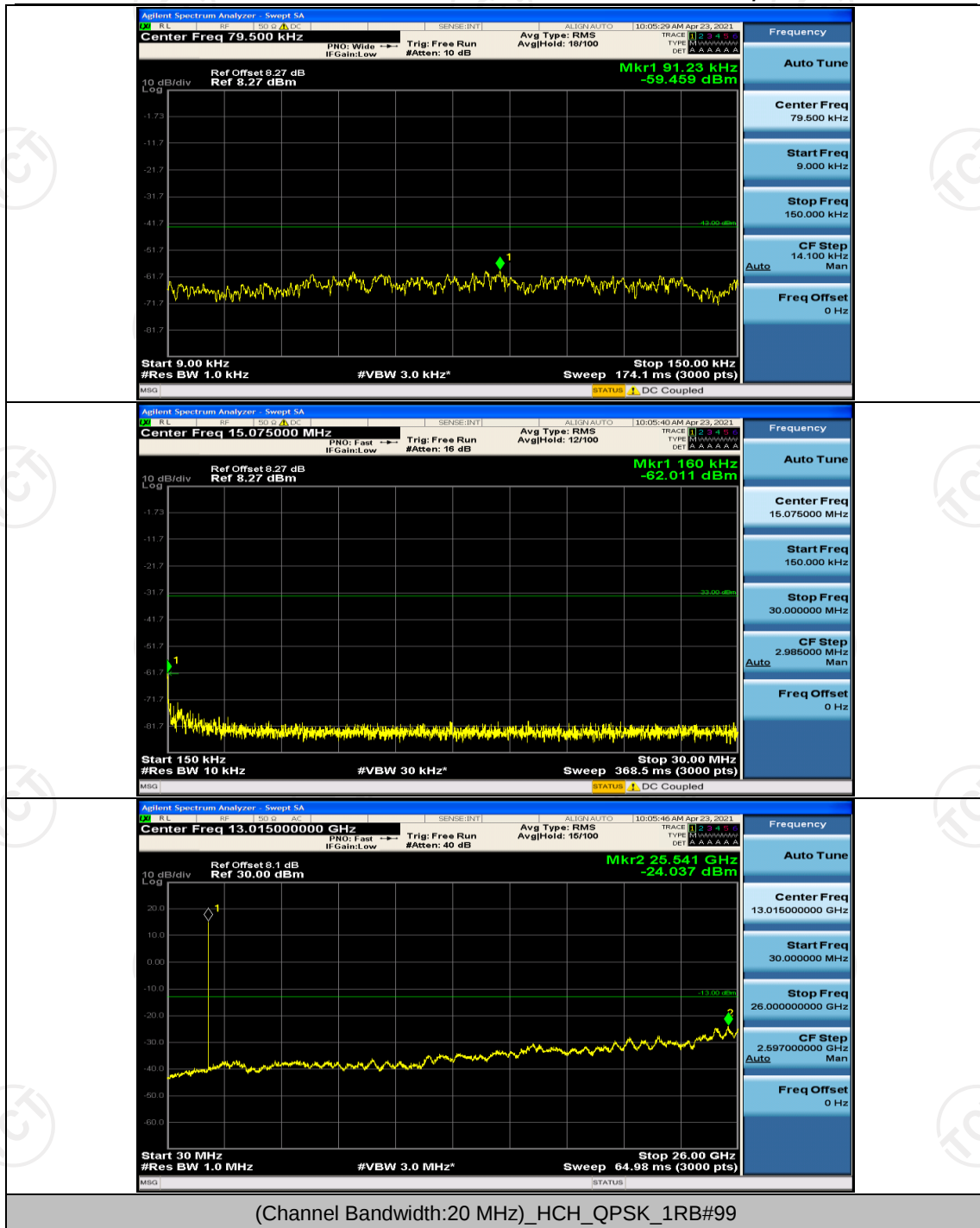
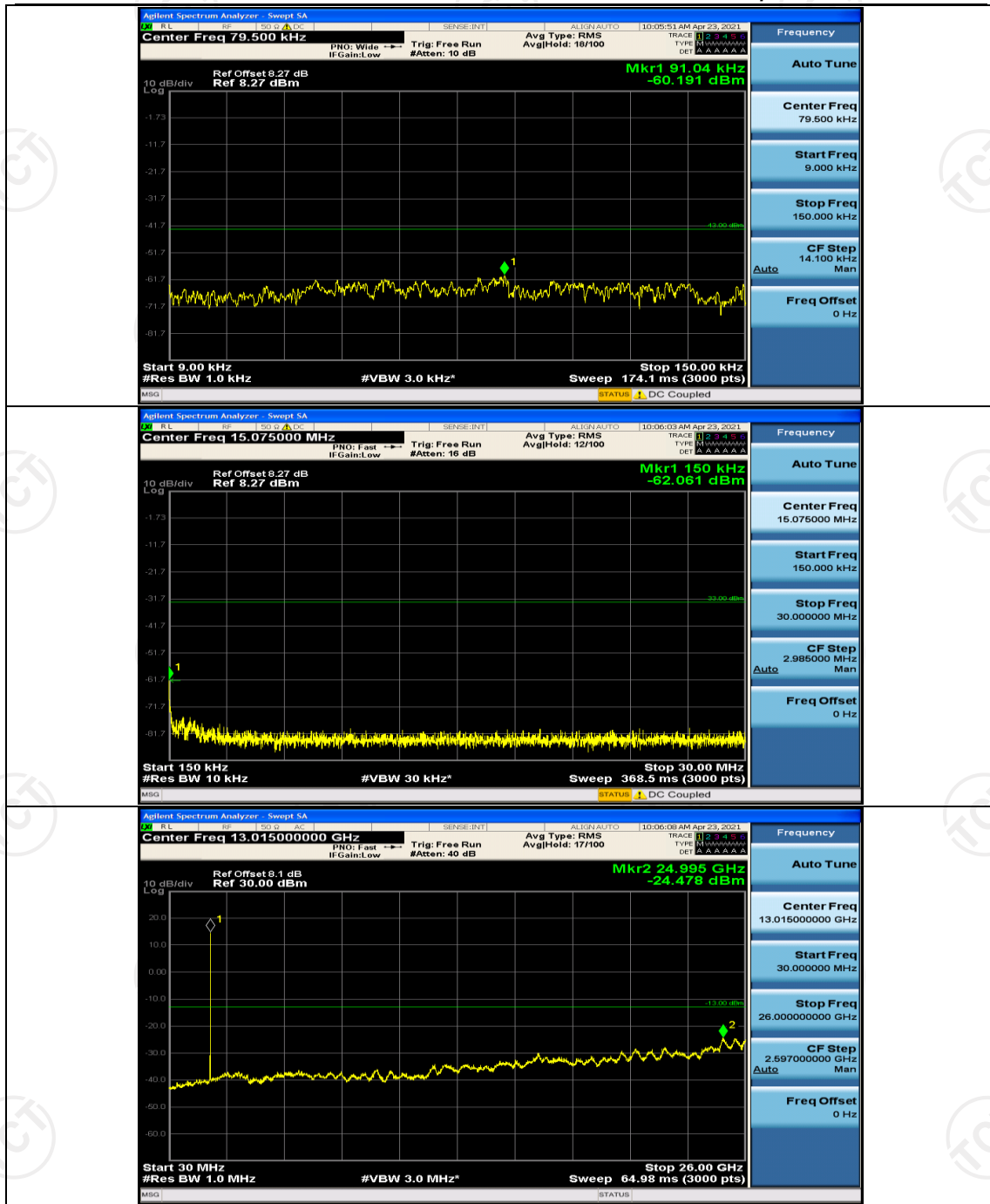


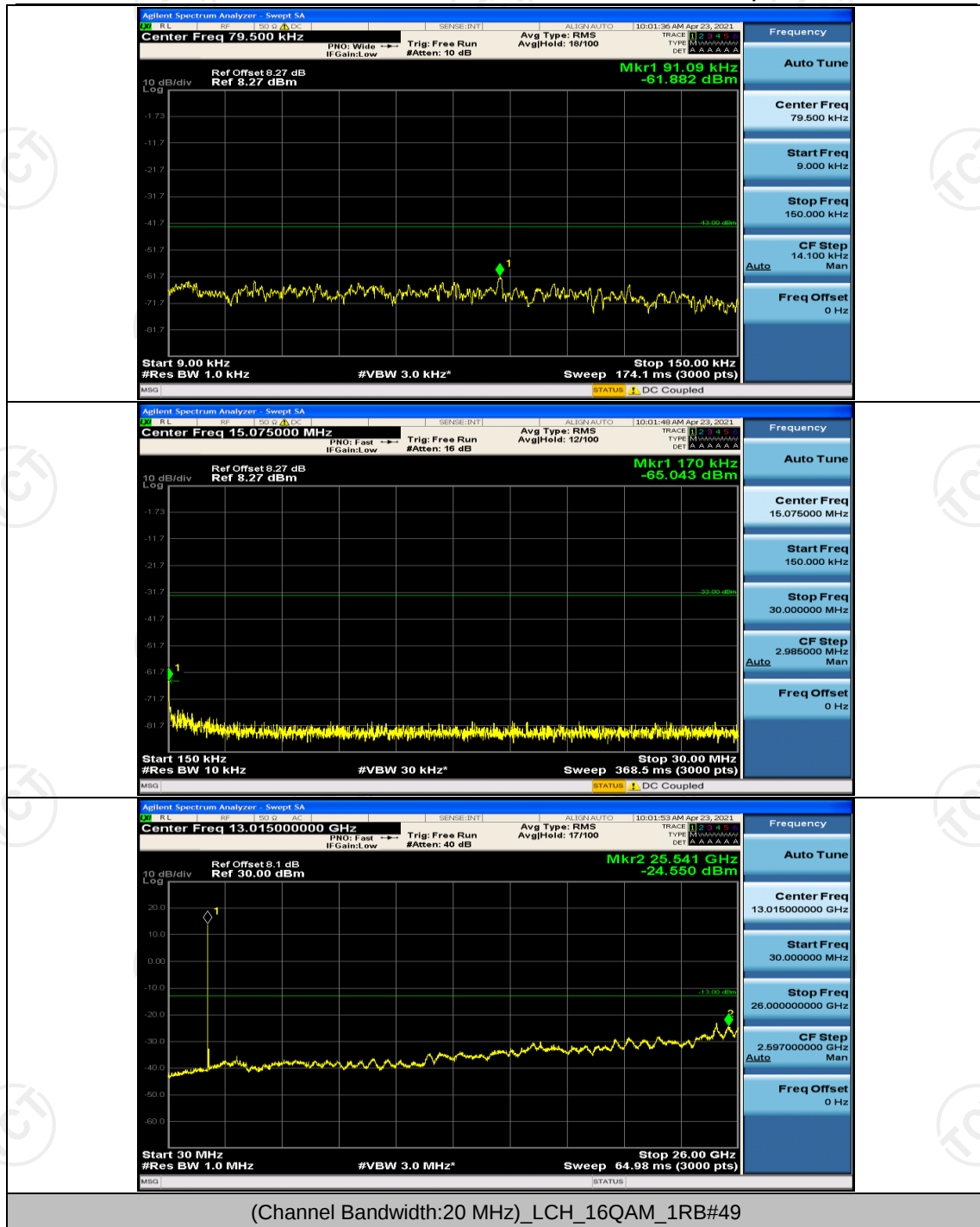


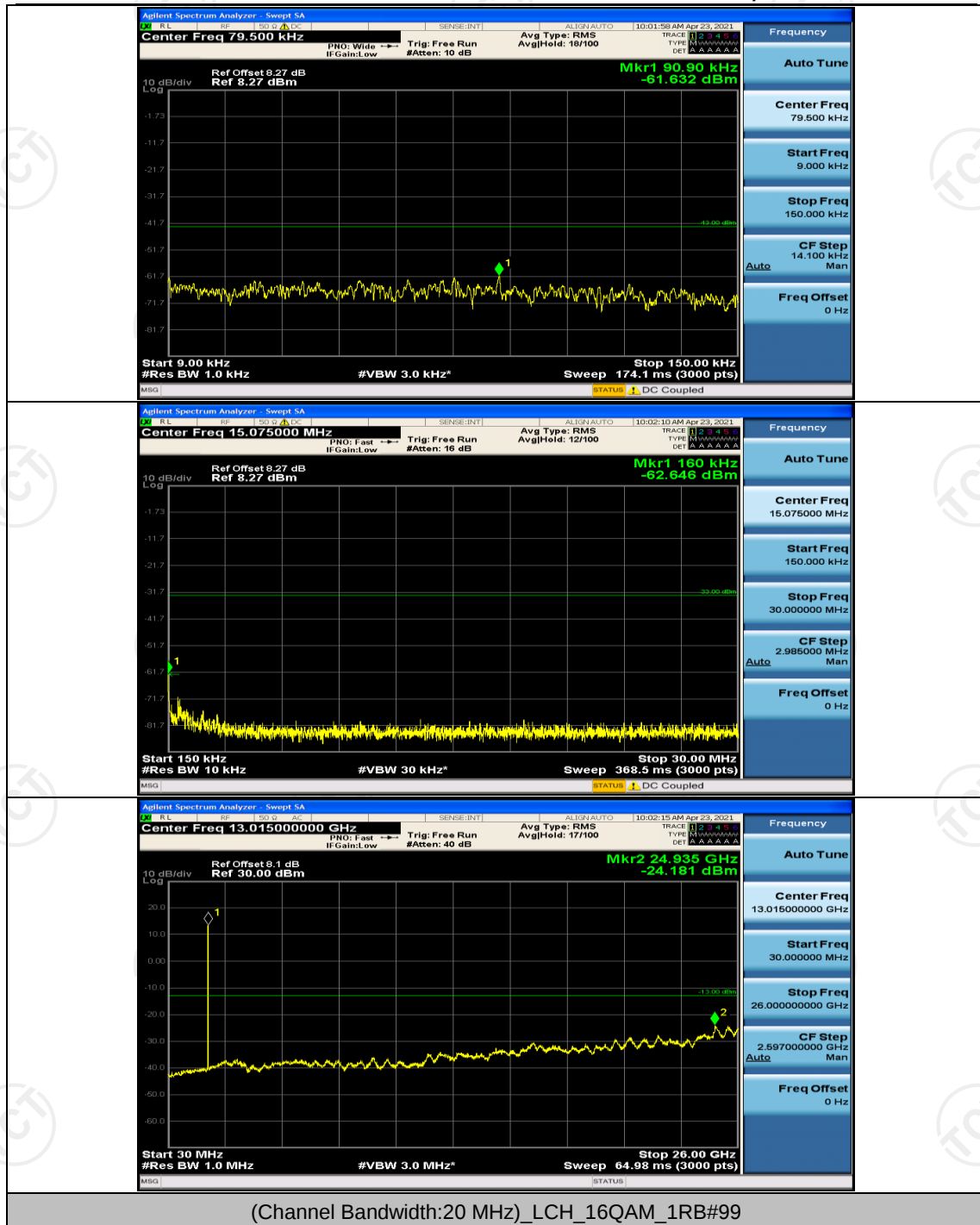
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

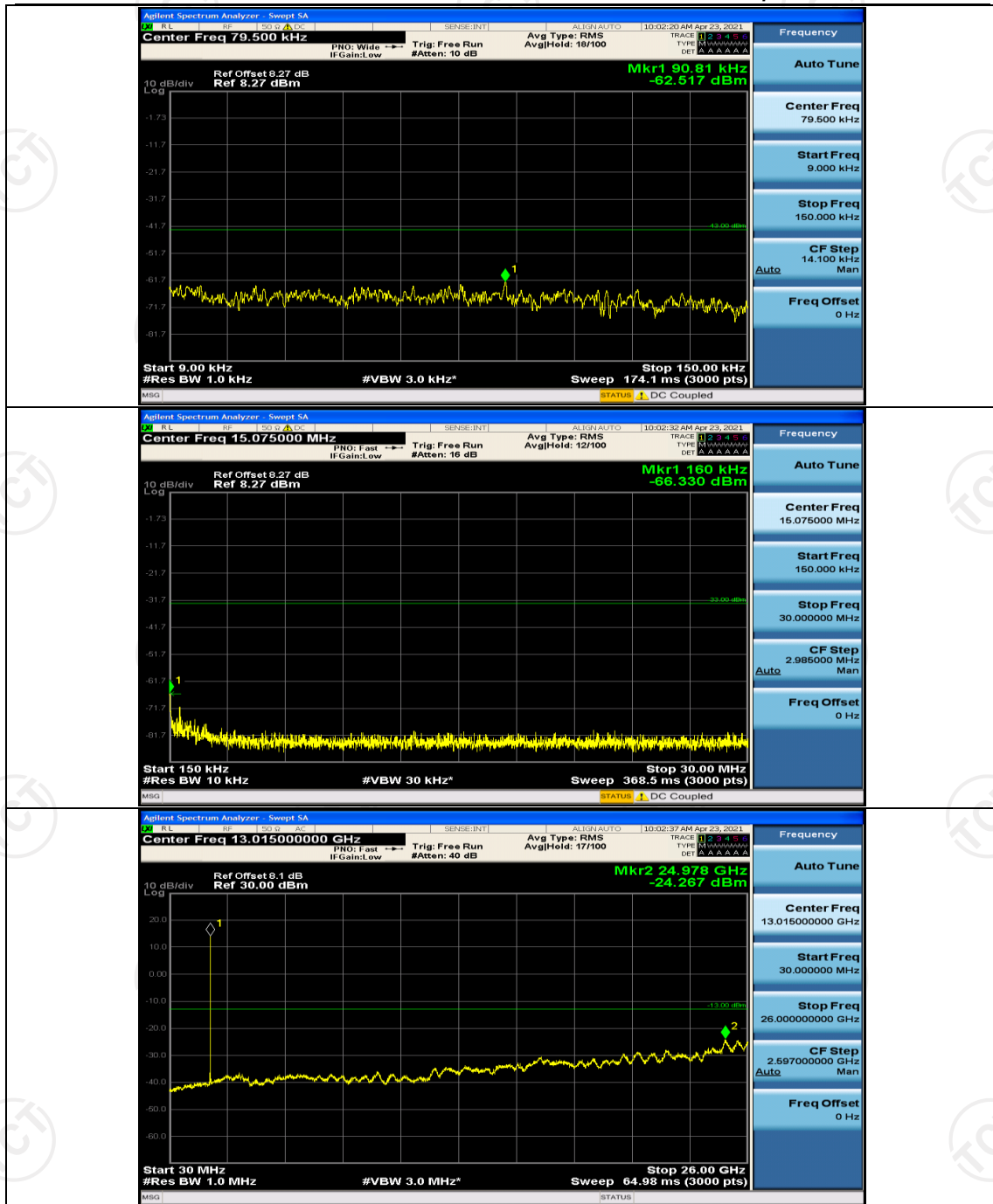




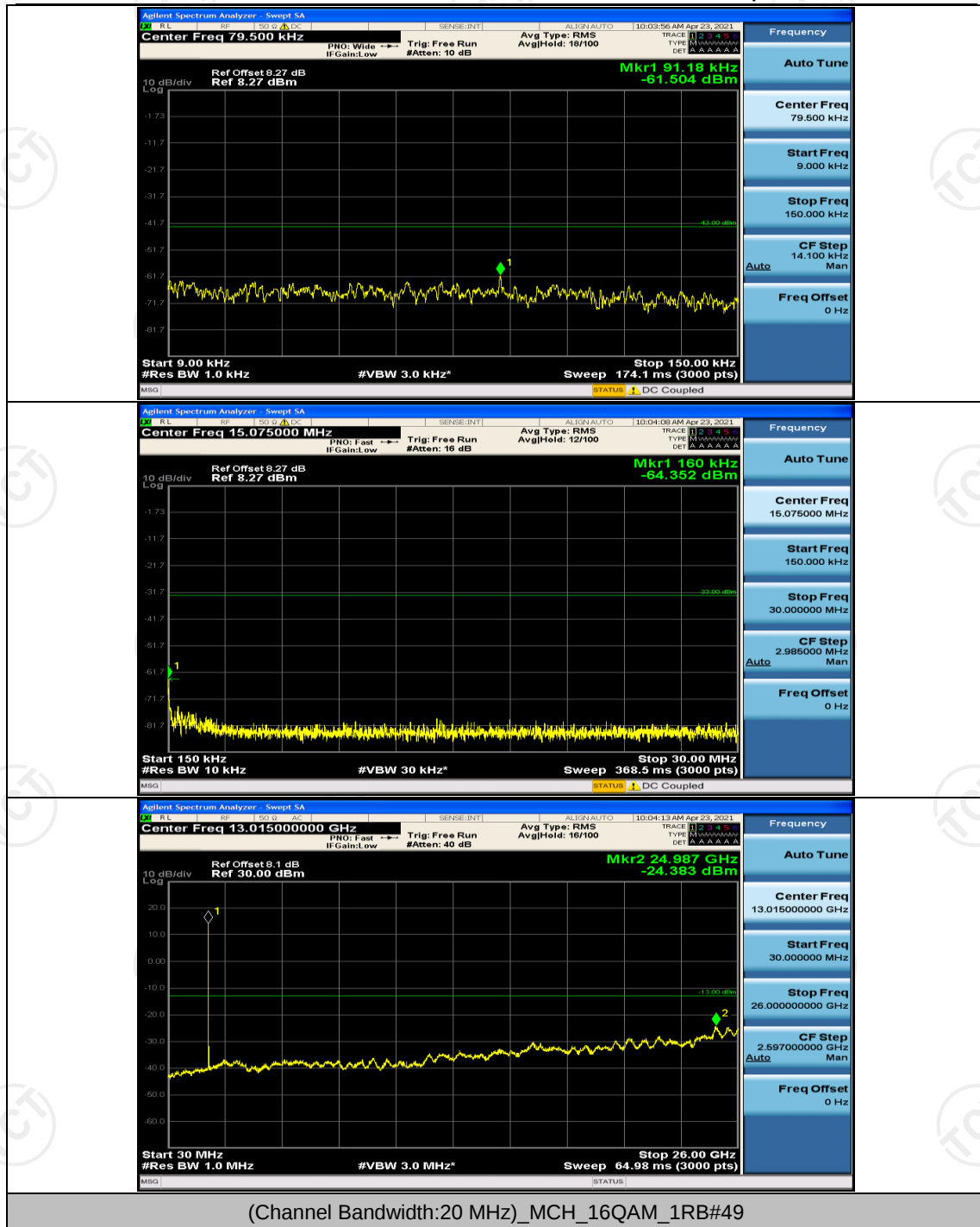
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

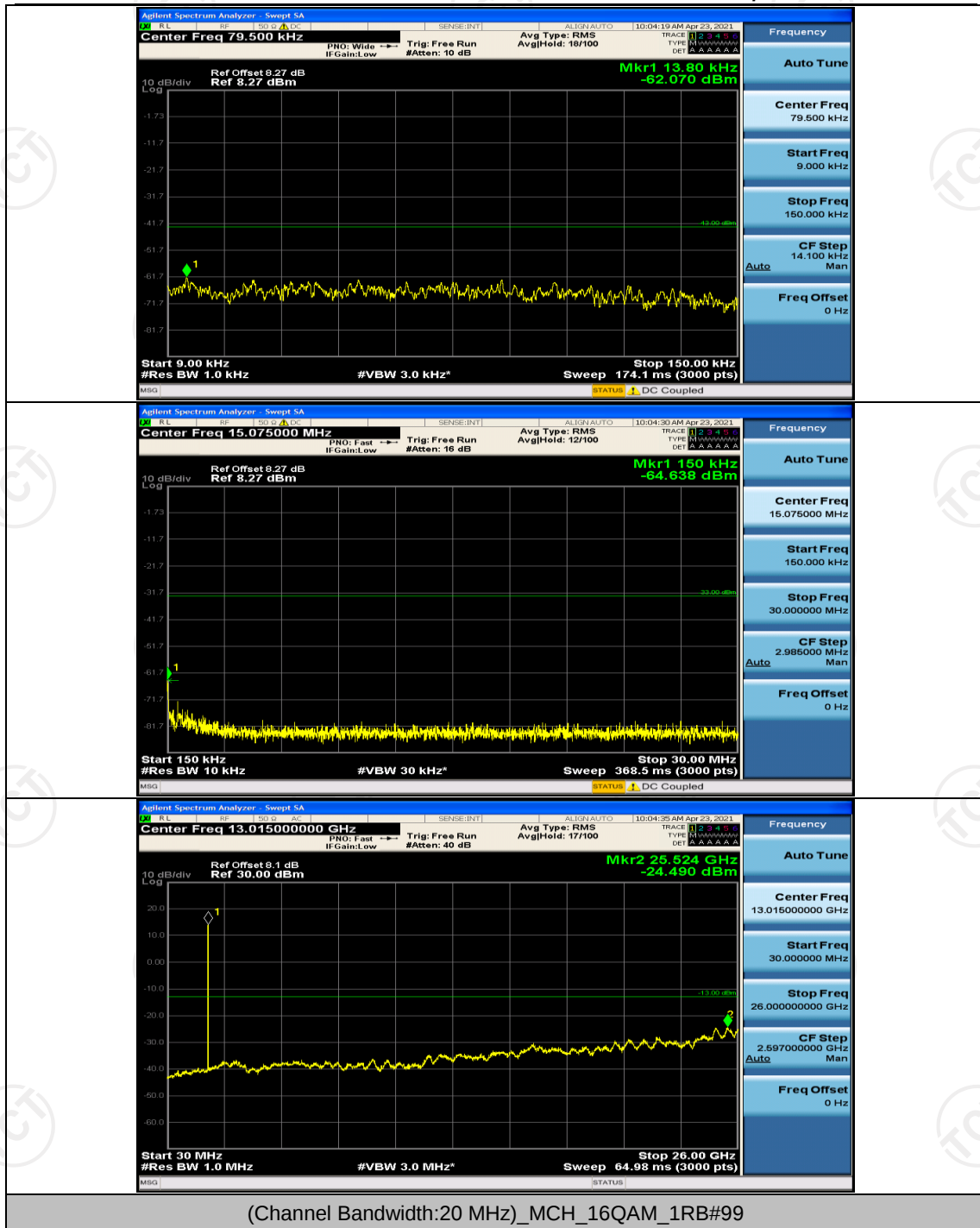


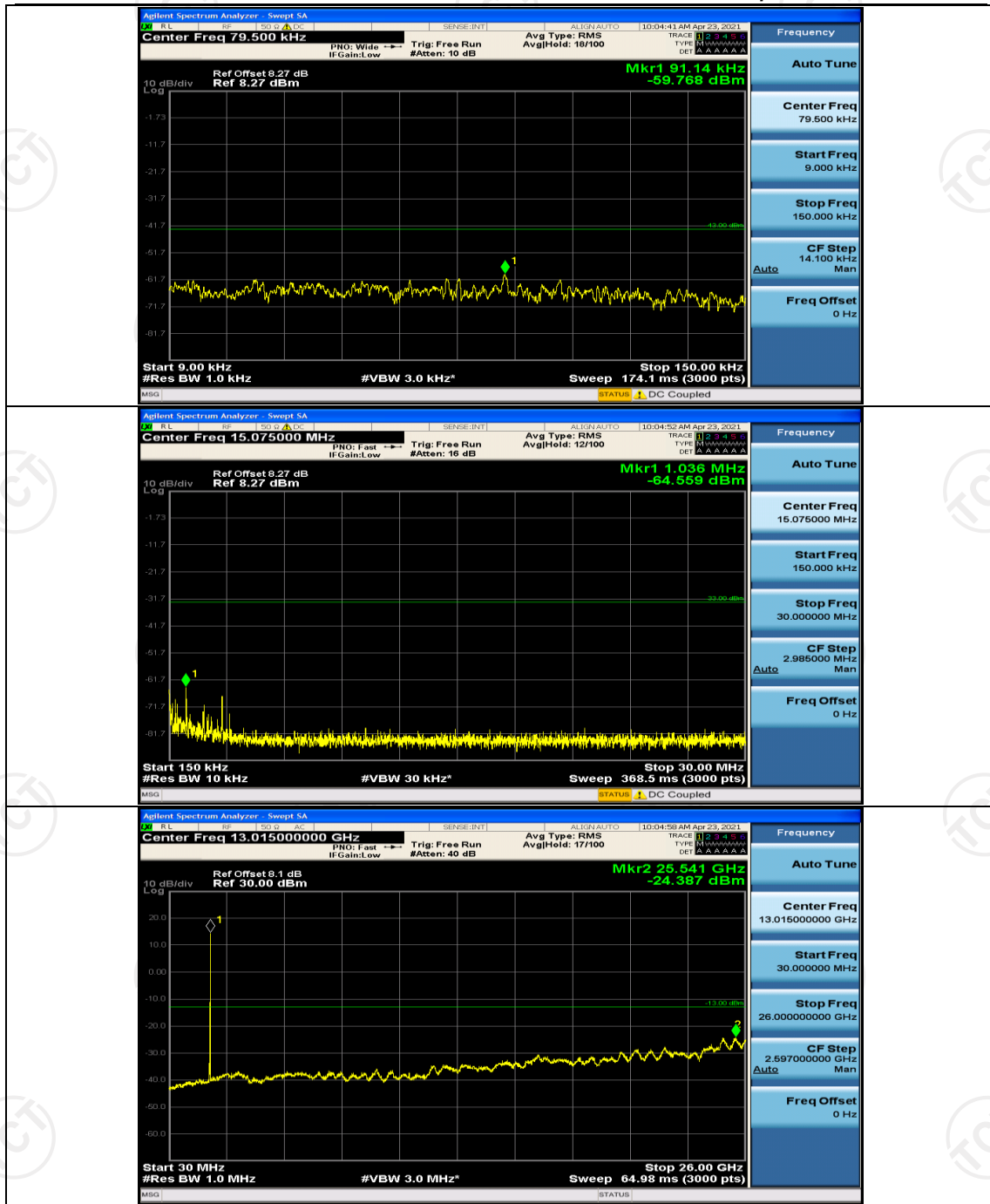




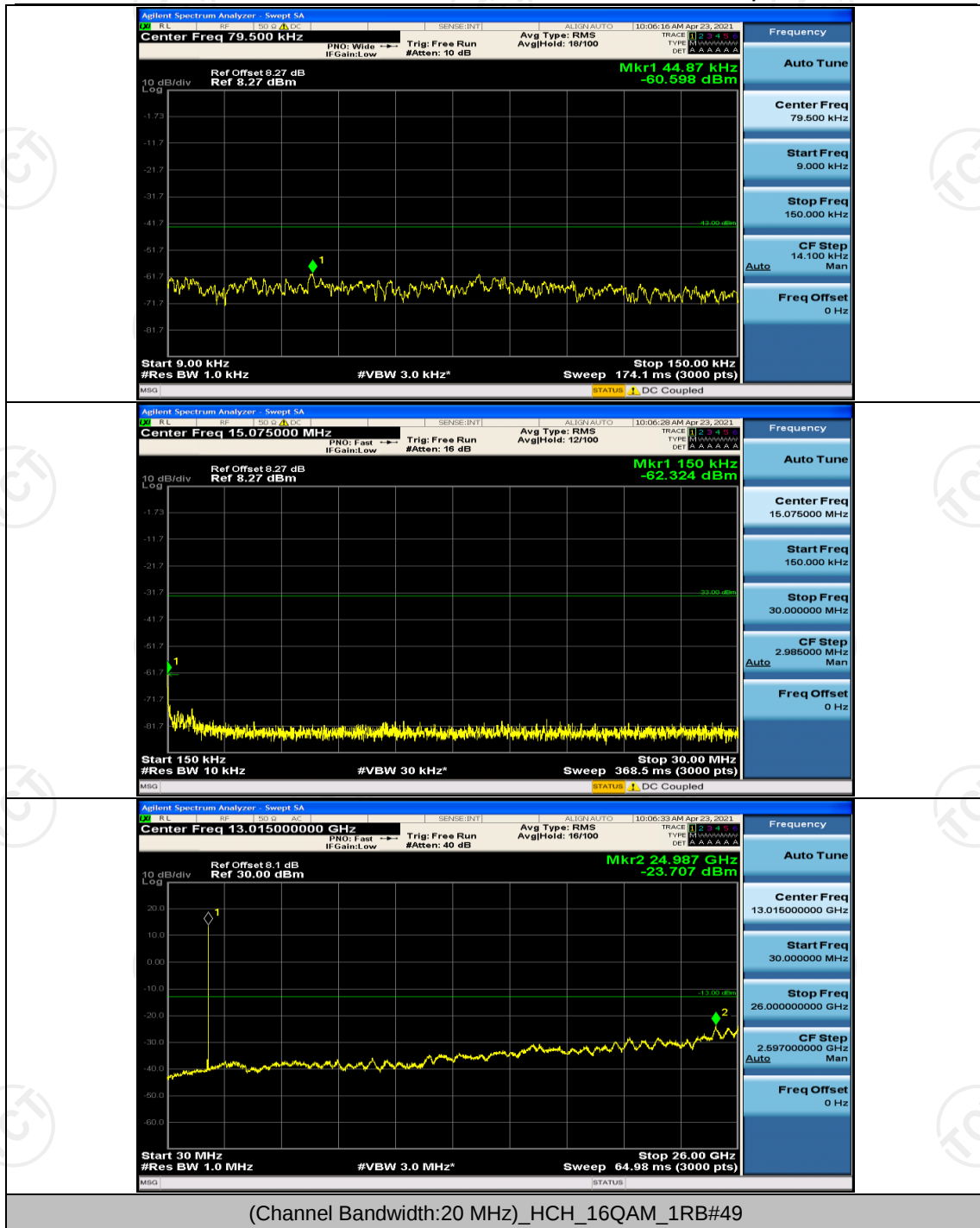
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

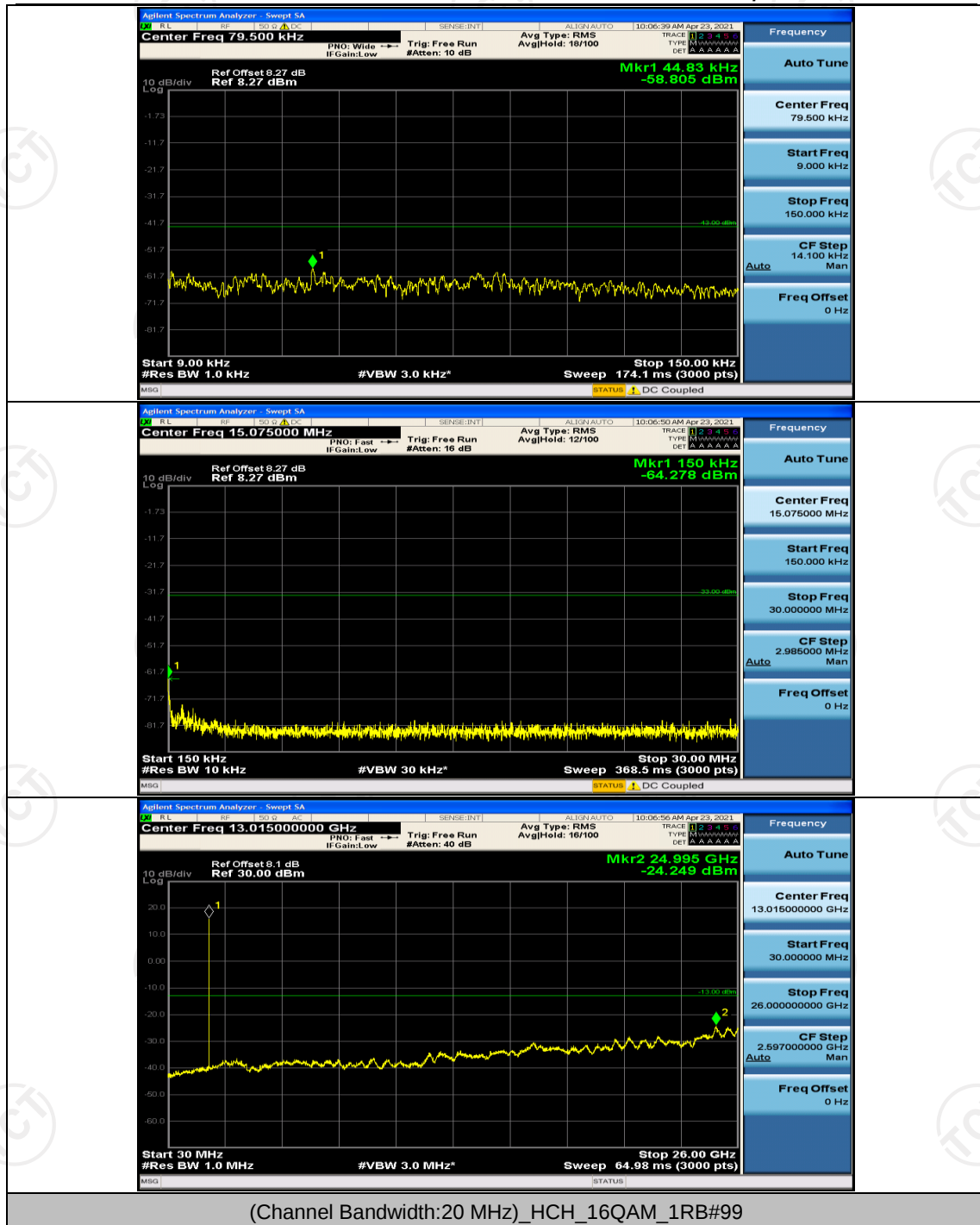


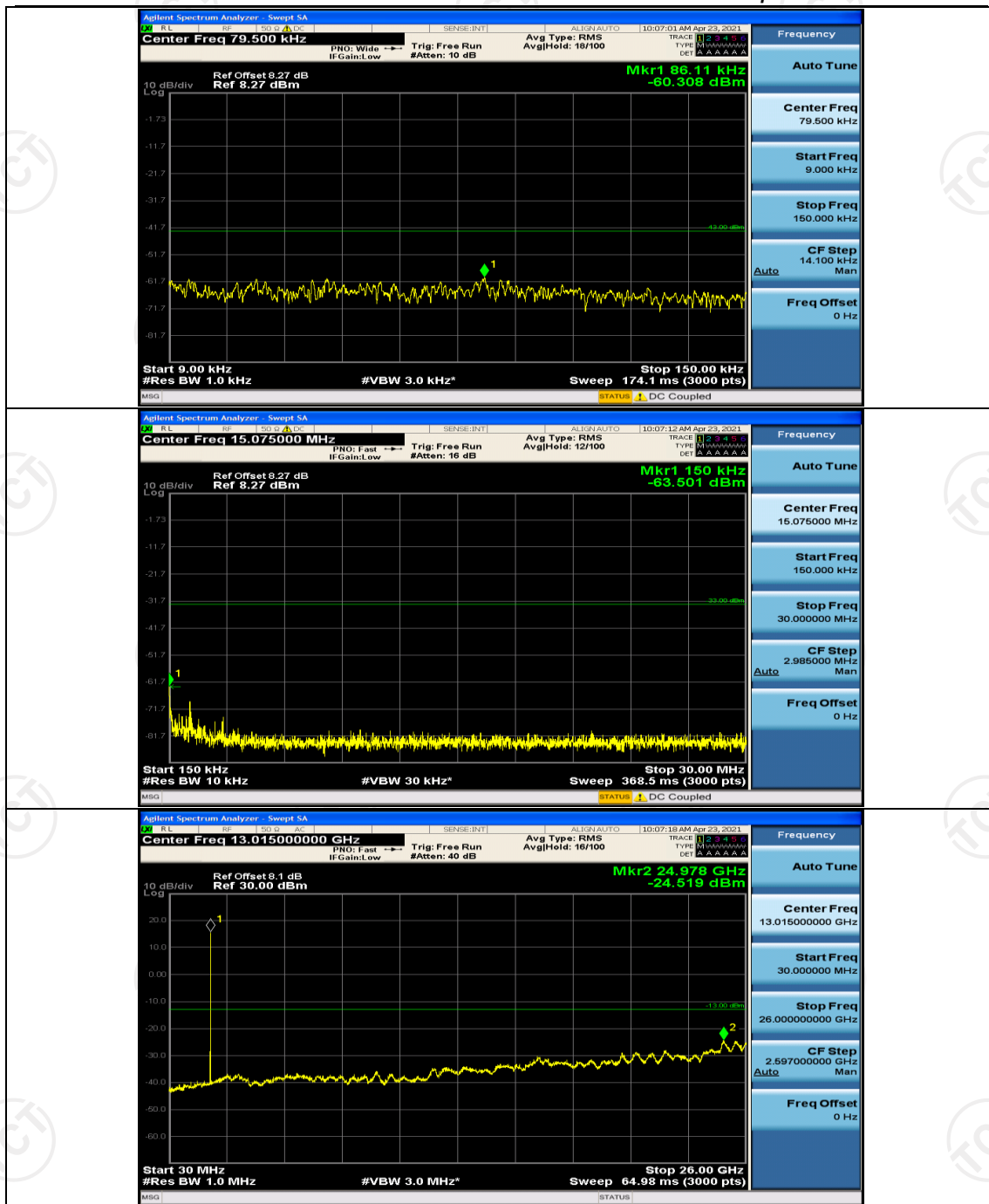




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0







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	-7.35	-0.004296	± 2.5	PASS
		VN	TN	-1.83	-0.000989	± 2.5	PASS
		VH	TN	-10.49	-0.006052	± 2.5	PASS
	MCH	VL	TN	-8.78	-0.005009	± 2.5	PASS
		VN	TN	-10.56	-0.005616	± 2.5	PASS
		VH	TN	-4.42	-0.002583	± 2.5	PASS
	HCH	VL	TN	1.73	0.000999	± 2.5	PASS
		VN	TN	-13.79	-0.007223	± 2.5	PASS
		VH	TN	-8.07	-0.004601	± 2.5	PASS
16QAM	LCH	VL	TN	1.33	0.000777	± 2.5	PASS
		VN	TN	-4.49	-0.002427	± 2.5	PASS
		VH	TN	-1.60	-0.000936	± 2.5	PASS
	MCH	VL	TN	-2.00	-0.001170	± 2.5	PASS
		VN	TN	-4.62	-0.002458	± 2.5	PASS
		VH	TN	-4.51	-0.002633	± 2.5	PASS
	HCH	VL	TN	1.67	0.000966	± 2.5	PASS
		VN	TN	-2.92	-0.001528	± 2.5	PASS
		VH	TN	-0.39	-0.000223	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.97	-0.000561	± 2.5	PASS
		VN	-20	-2.30	-0.001329	± 2.5	PASS
		VN	-10	-5.19	-0.002961	± 2.5	PASS
		VN	0	-12.36	-0.007049	± 2.5	PASS
		VN	10	-6.34	-0.003614	± 2.5	PASS
		VN	20	-7.78	-0.004205	± 2.5	PASS
		VN	30	-3.58	-0.001932	± 2.5	PASS
		VN	40	-8.30	-0.004483	± 2.5	PASS
		VN	50	-3.71	-0.002002	± 2.5	PASS
	MCH	VN	-30	-0.89	-0.000518	± 2.5	PASS
		VN	-20	2.75	0.001605	± 2.5	PASS
		VN	-10	-9.50	-0.005550	± 2.5	PASS
		VN	0	1.76	0.001028	± 2.5	PASS
		VN	10	-9.97	-0.005686	± 2.5	PASS
		VN	20	-5.62	-0.002990	± 2.5	PASS

		VN	30	-4.89	-0.002602	± 2.5	PASS
		VN	40	-4.52	-0.002404	± 2.5	PASS
		VN	50	-9.78	-0.005205	± 2.5	PASS
	HCH	VN	-30	-7.52	-0.004343	± 2.5	PASS
		VN	-20	-3.85	-0.002221	± 2.5	PASS
		VN	-10	-0.20	-0.000116	± 2.5	PASS
		VN	0	-0.34	-0.000198	± 2.5	PASS
		VN	10	-5.97	-0.003402	± 2.5	PASS
		VN	20	-6.17	-0.003229	± 2.5	PASS
		VN	30	-7.38	-0.003866	± 2.5	PASS
		VN	40	-7.11	-0.003724	± 2.5	PASS
		VN	50	-3.35	-0.001753	± 2.5	PASS
		VN	-30	-8.50	-0.004846	± 2.5	PASS
16QAM	LCH	VN	-20	-7.37	-0.004201	± 2.5	PASS
		VN	-10	-3.91	-0.002227	± 2.5	PASS
		VN	0	-5.01	-0.002924	± 2.5	PASS
		VN	10	-11.97	-0.006911	± 2.5	PASS
		VN	20	-4.02	-0.002172	± 2.5	PASS
		VN	30	-6.08	-0.003285	± 2.5	PASS
		VN	40	-11.12	-0.006006	± 2.5	PASS
		VN	50	-7.44	-0.004019	± 2.5	PASS
	MCH	VN	-30	-4.33	-0.002473	± 2.5	PASS
		VN	-20	-6.88	-0.004018	± 2.5	PASS
		VN	-10	-2.49	-0.001453	± 2.5	PASS
		VN	0	-5.25	-0.003066	± 2.5	PASS
		VN	10	-2.12	-0.001236	± 2.5	PASS
		VN	20	-6.18	-0.003287	± 2.5	PASS
		VN	30	-8.71	-0.004634	± 2.5	PASS
		VN	40	-7.98	-0.004246	± 2.5	PASS
		VN	50	-6.74	-0.003584	± 2.5	PASS
	HCH	VN	-30	-6.15	-0.003550	± 2.5	PASS
		VN	-20	-3.35	-0.001932	± 2.5	PASS
		VN	-10	-6.28	-0.003625	± 2.5	PASS
		VN	0	-2.52	-0.001453	± 2.5	PASS
		VN	10	0.19	0.000106	± 2.5	PASS
		VN	20	-3.60	-0.001888	± 2.5	PASS
		VN	30	-5.75	-0.003012	± 2.5	PASS
		VN	40	-8.14	-0.004263	± 2.5	PASS
		VN	50	-2.19	-0.001146	± 2.5	PASS