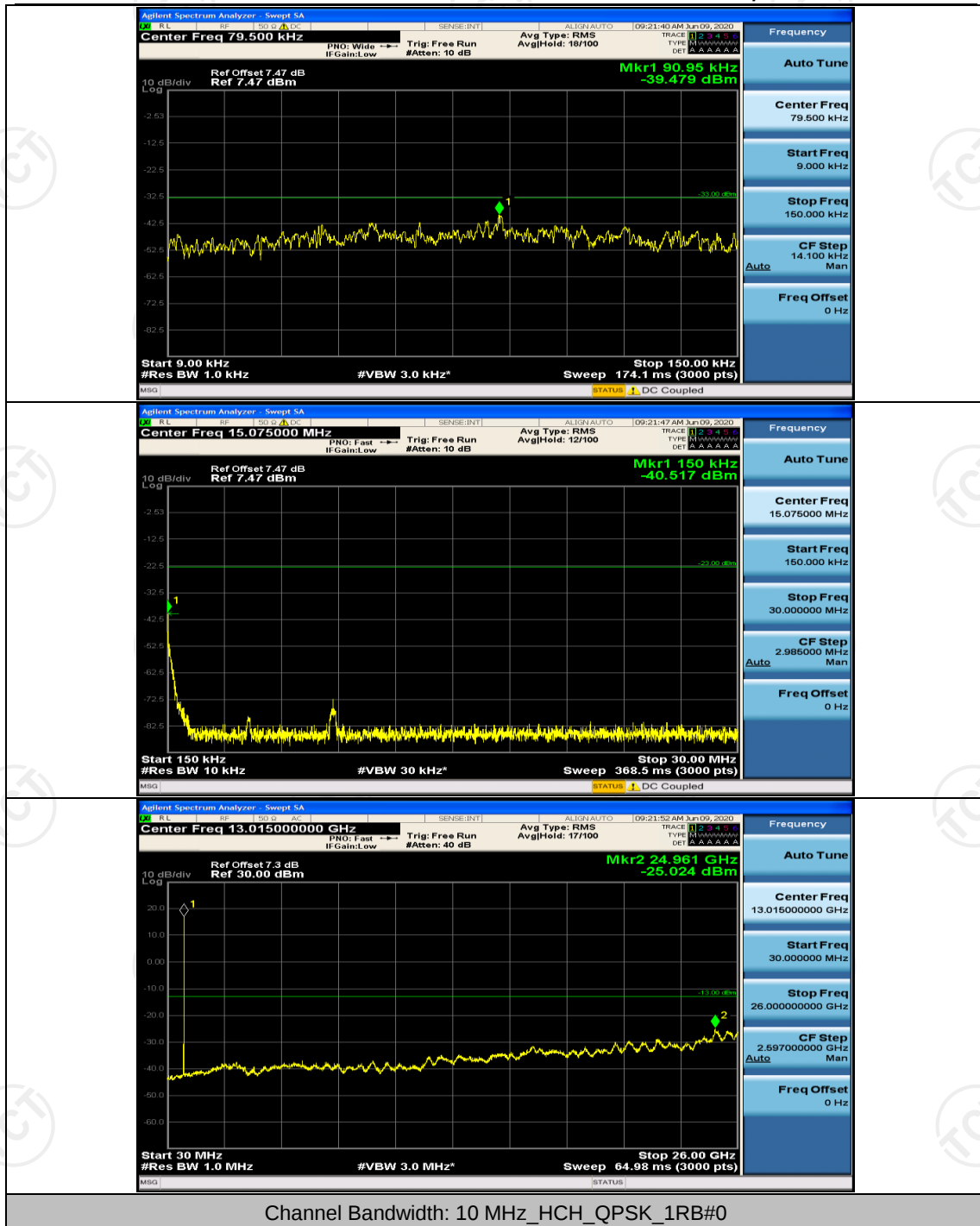
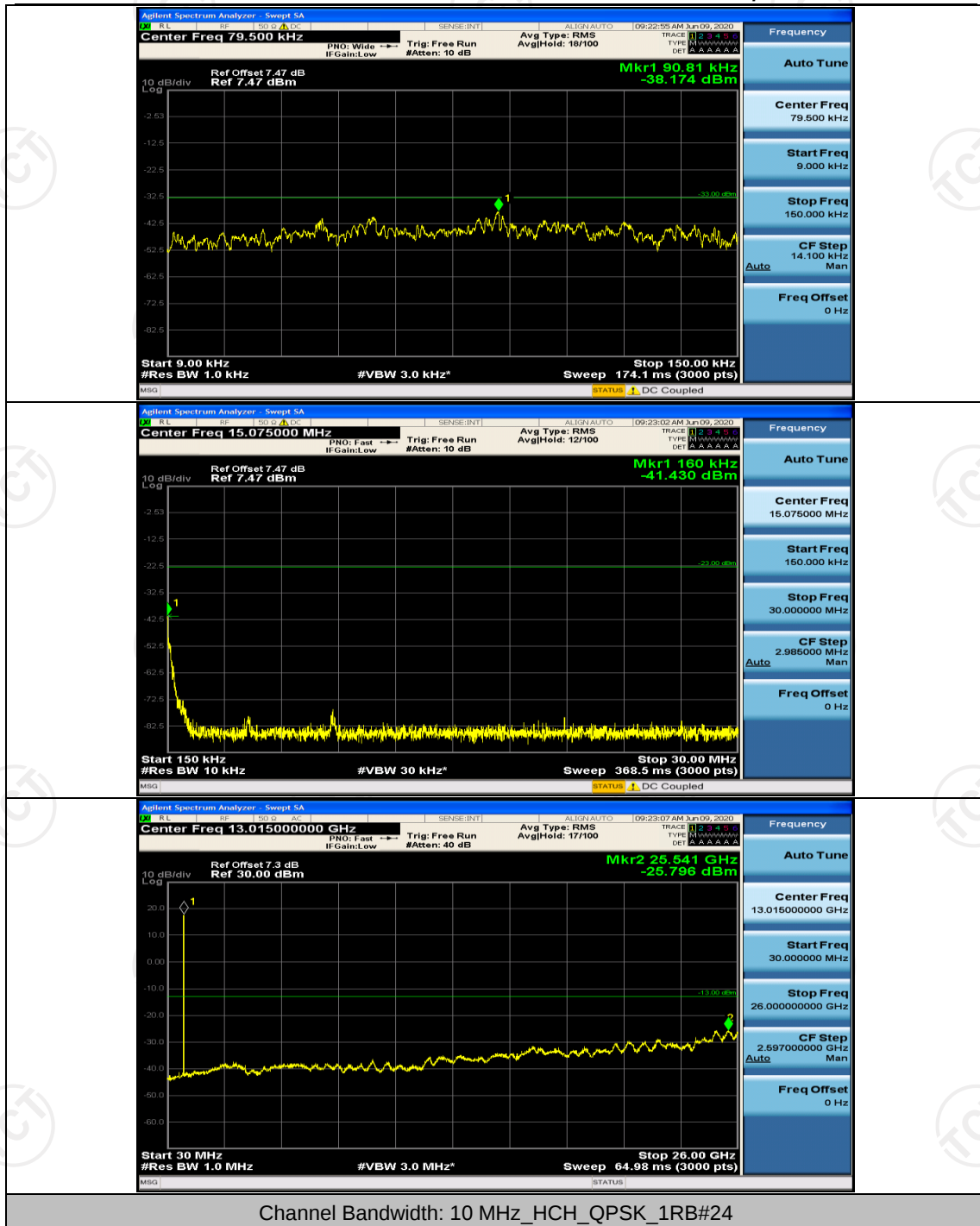
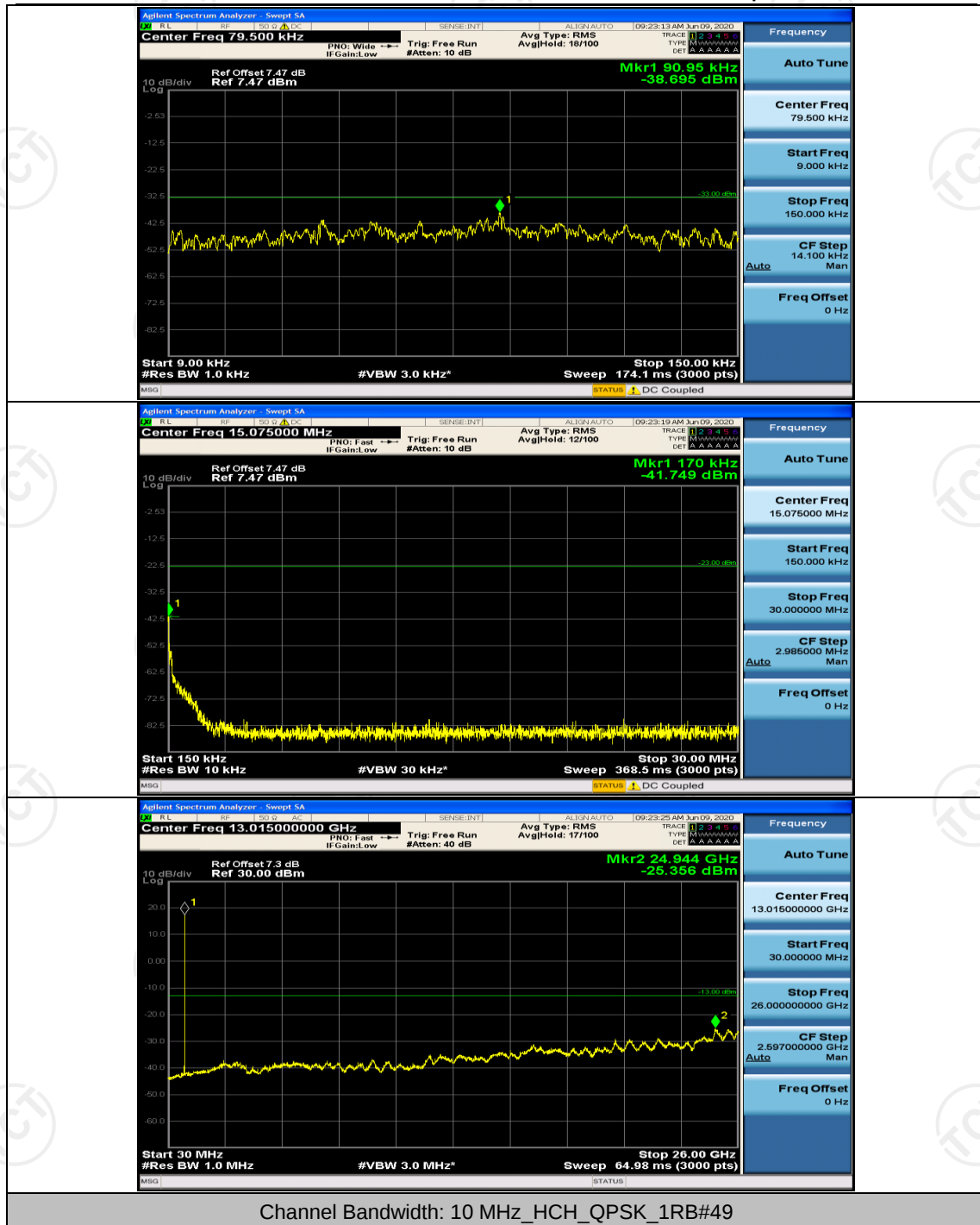
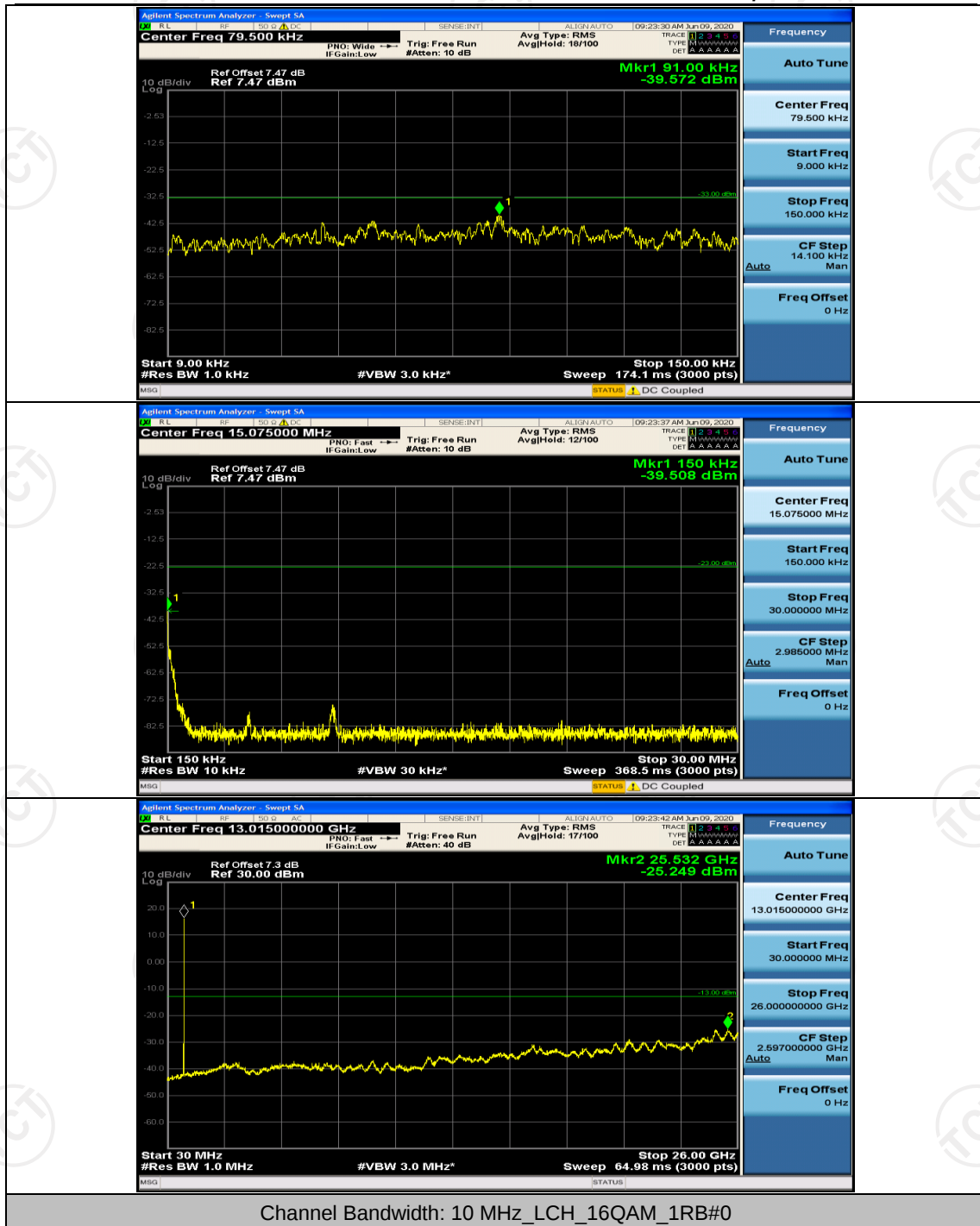
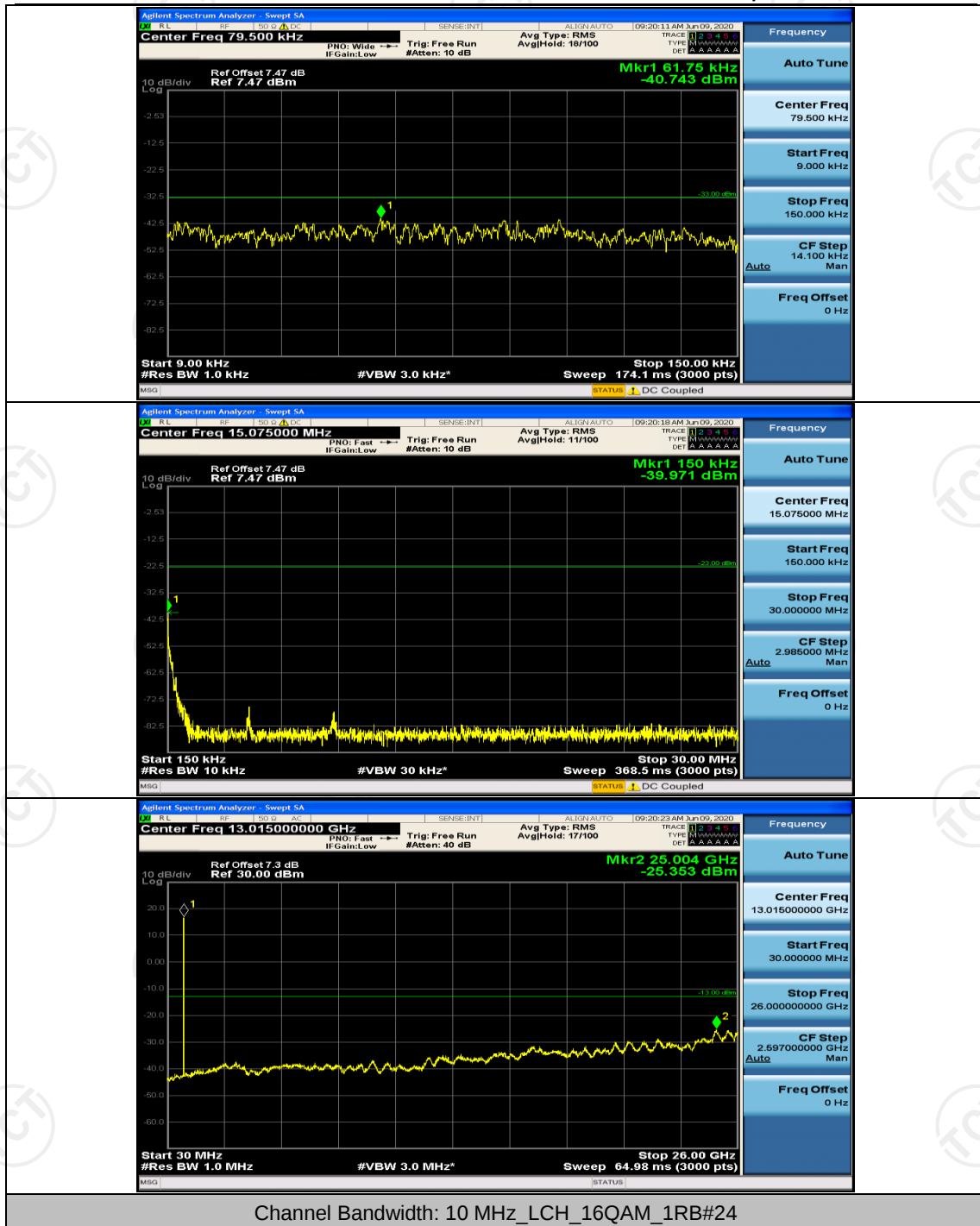


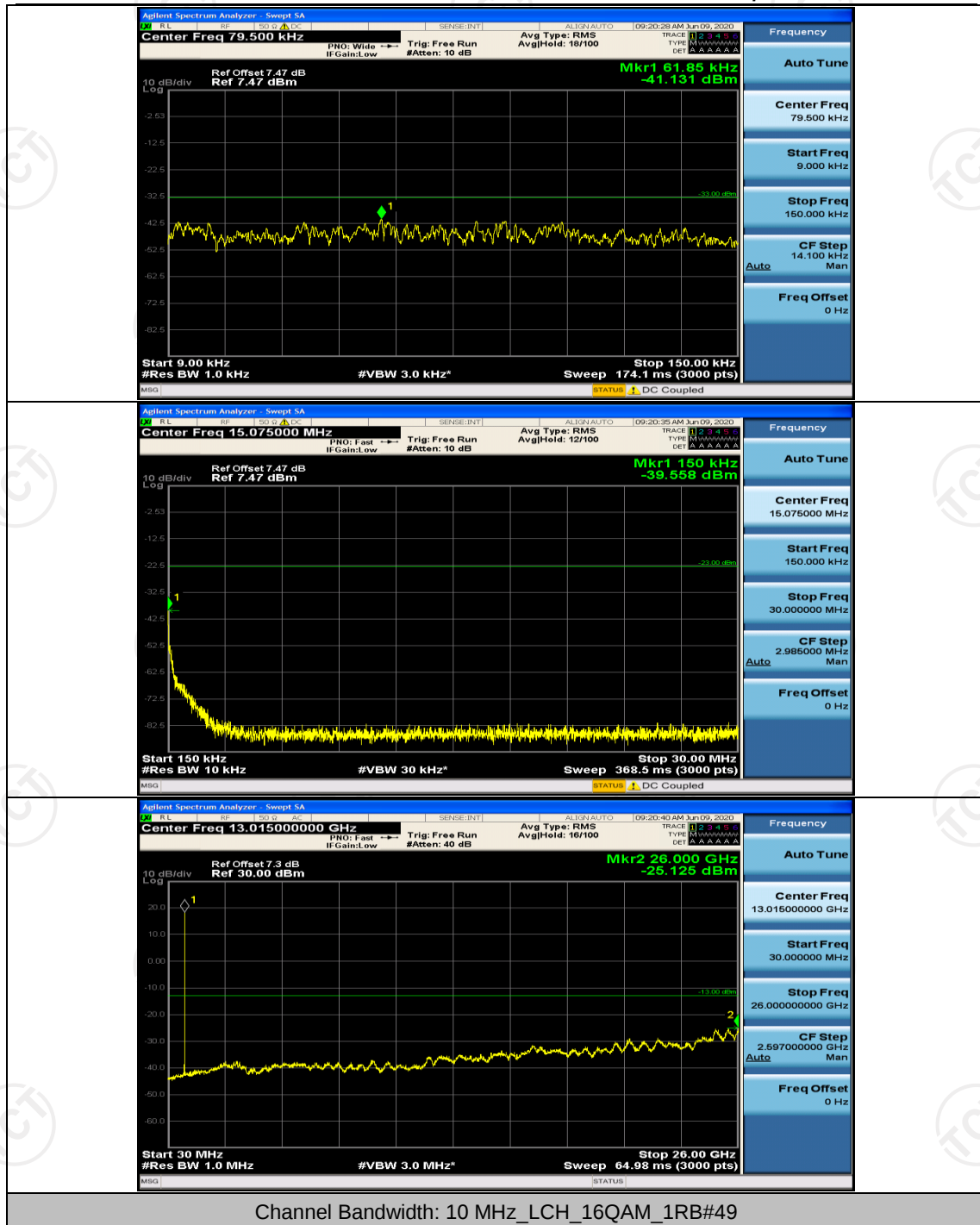


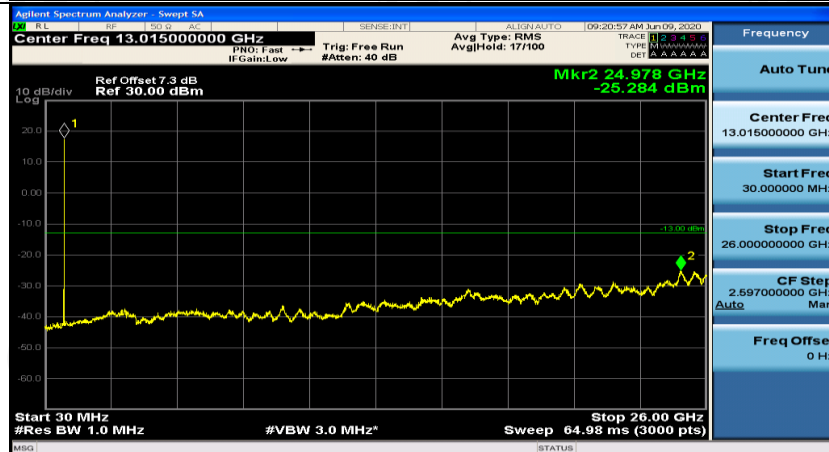
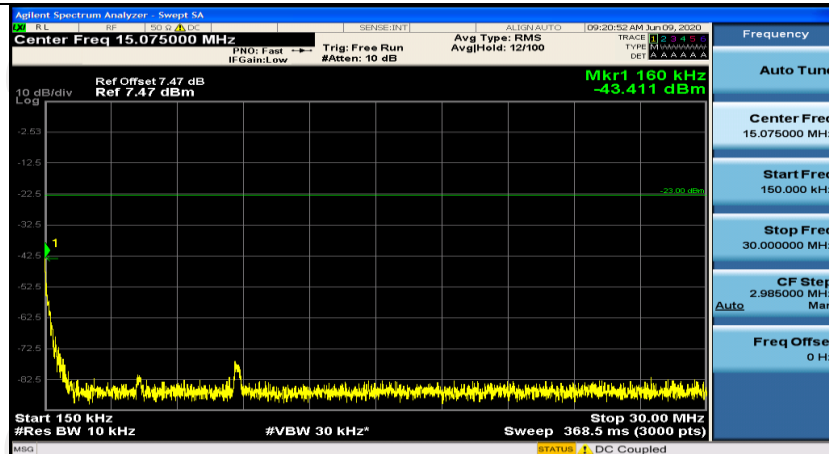
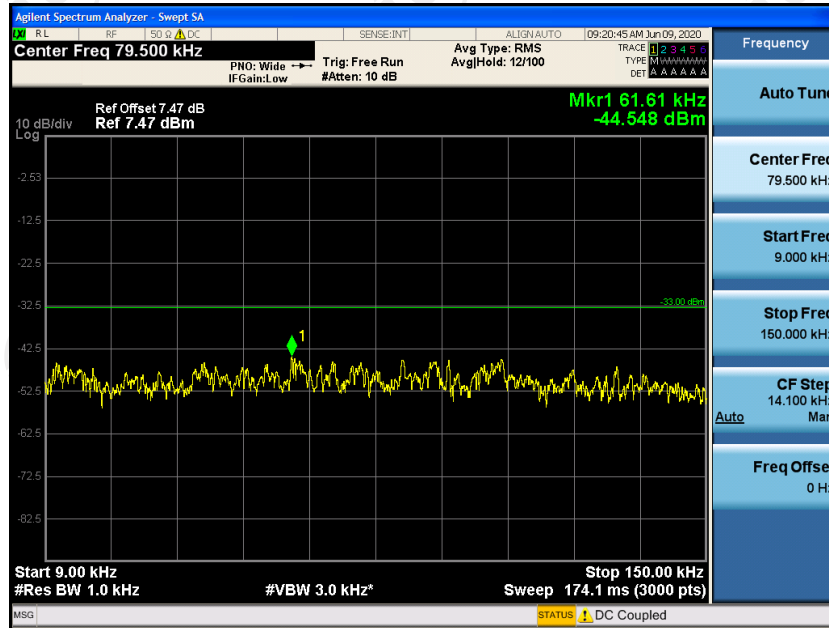




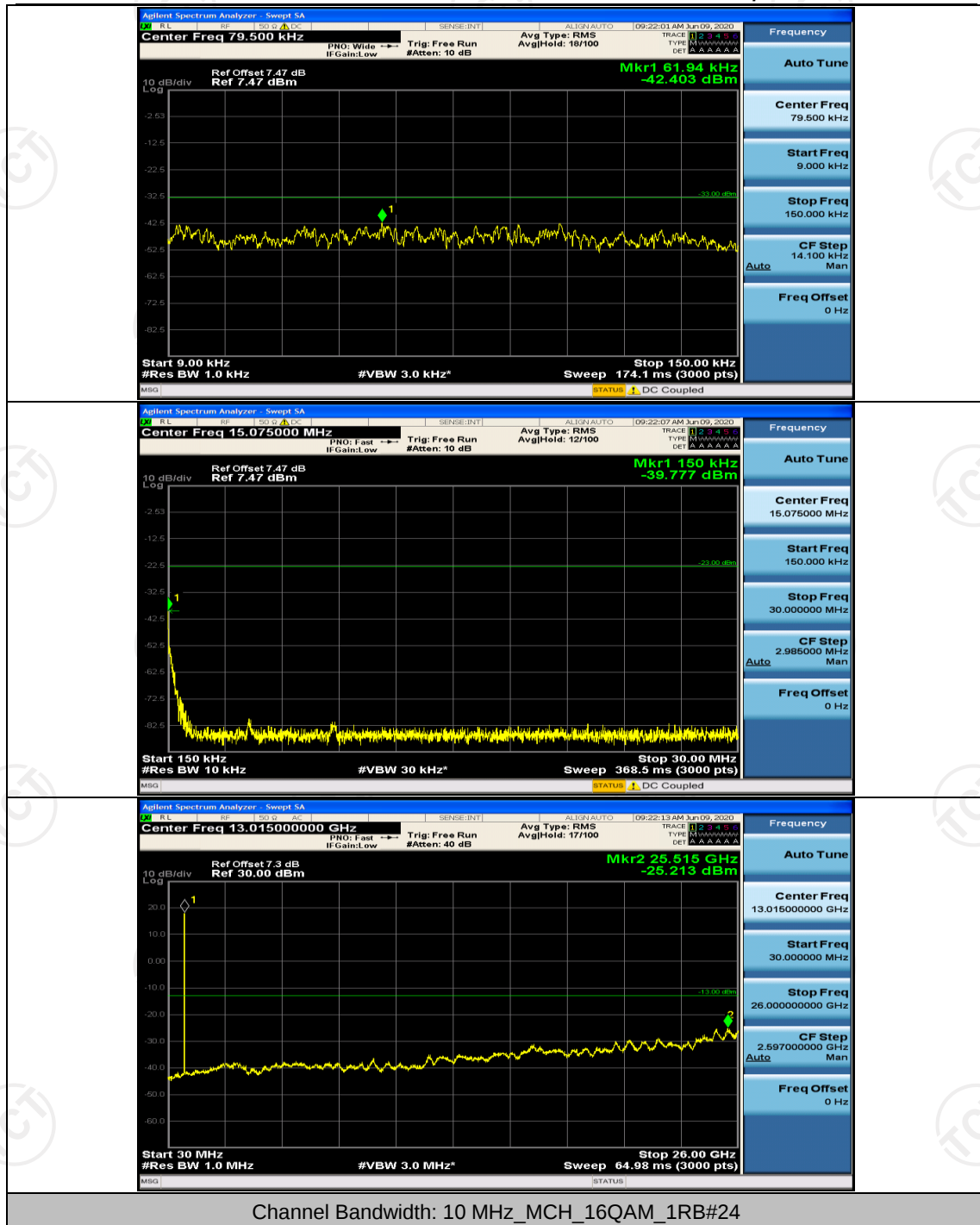


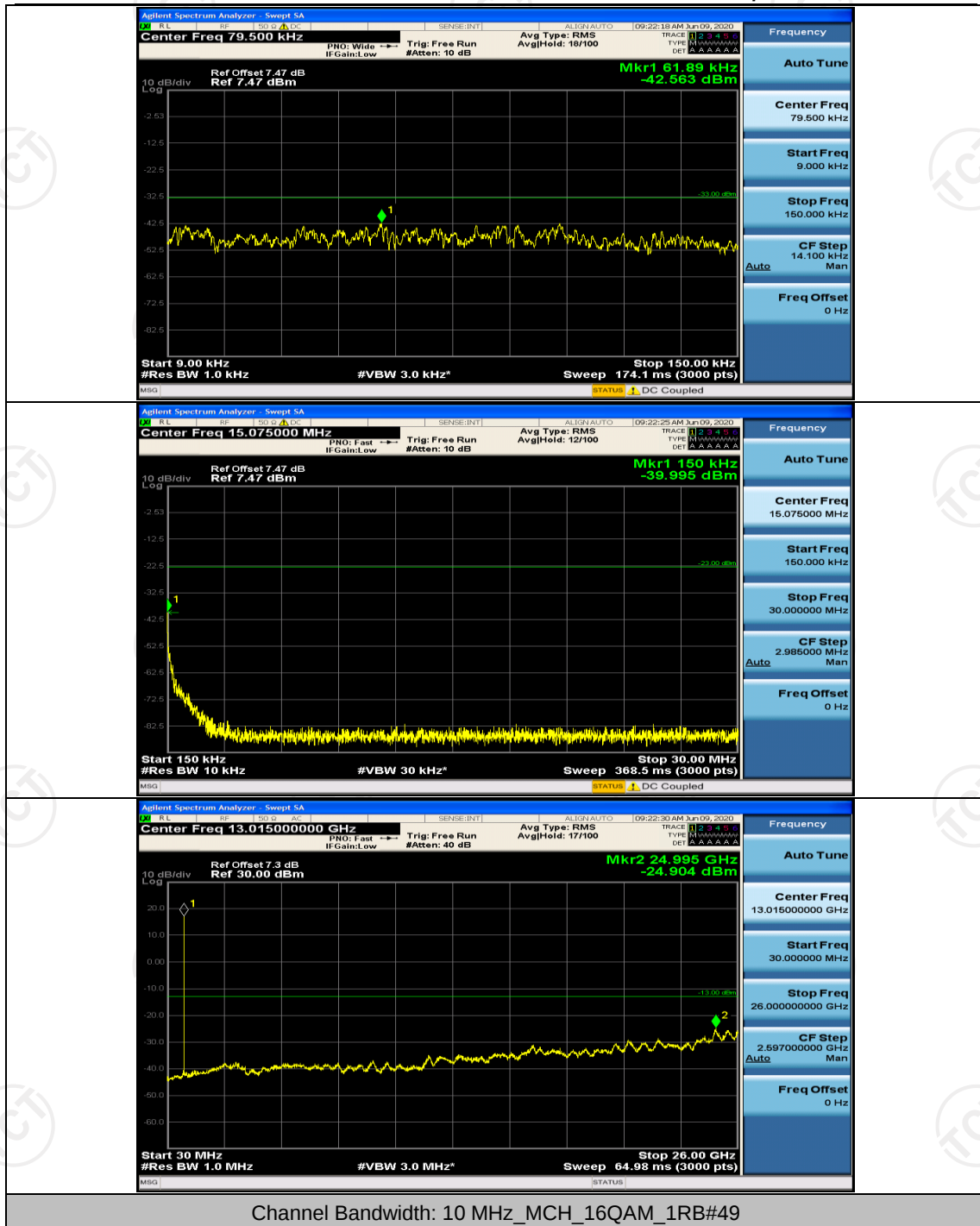


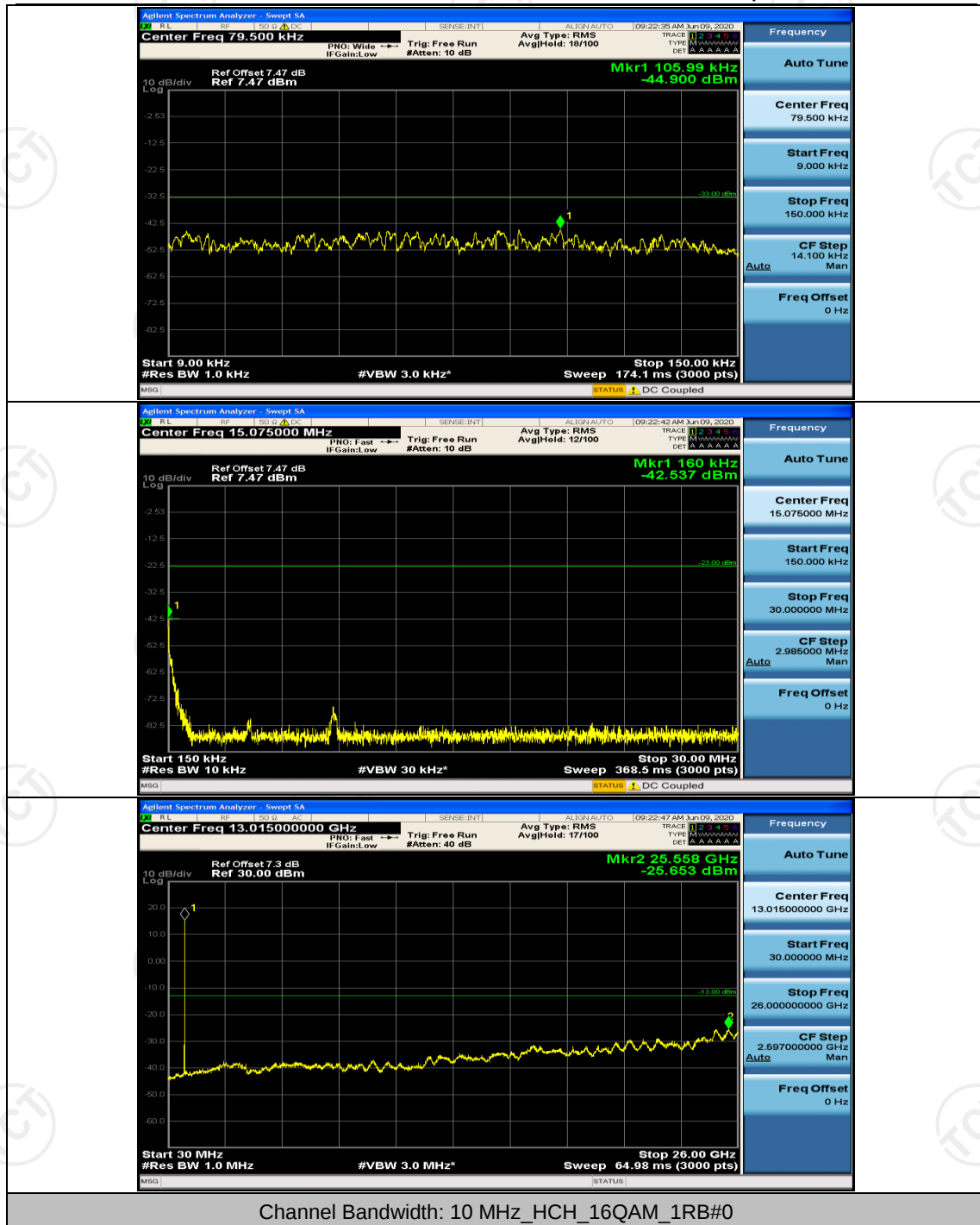


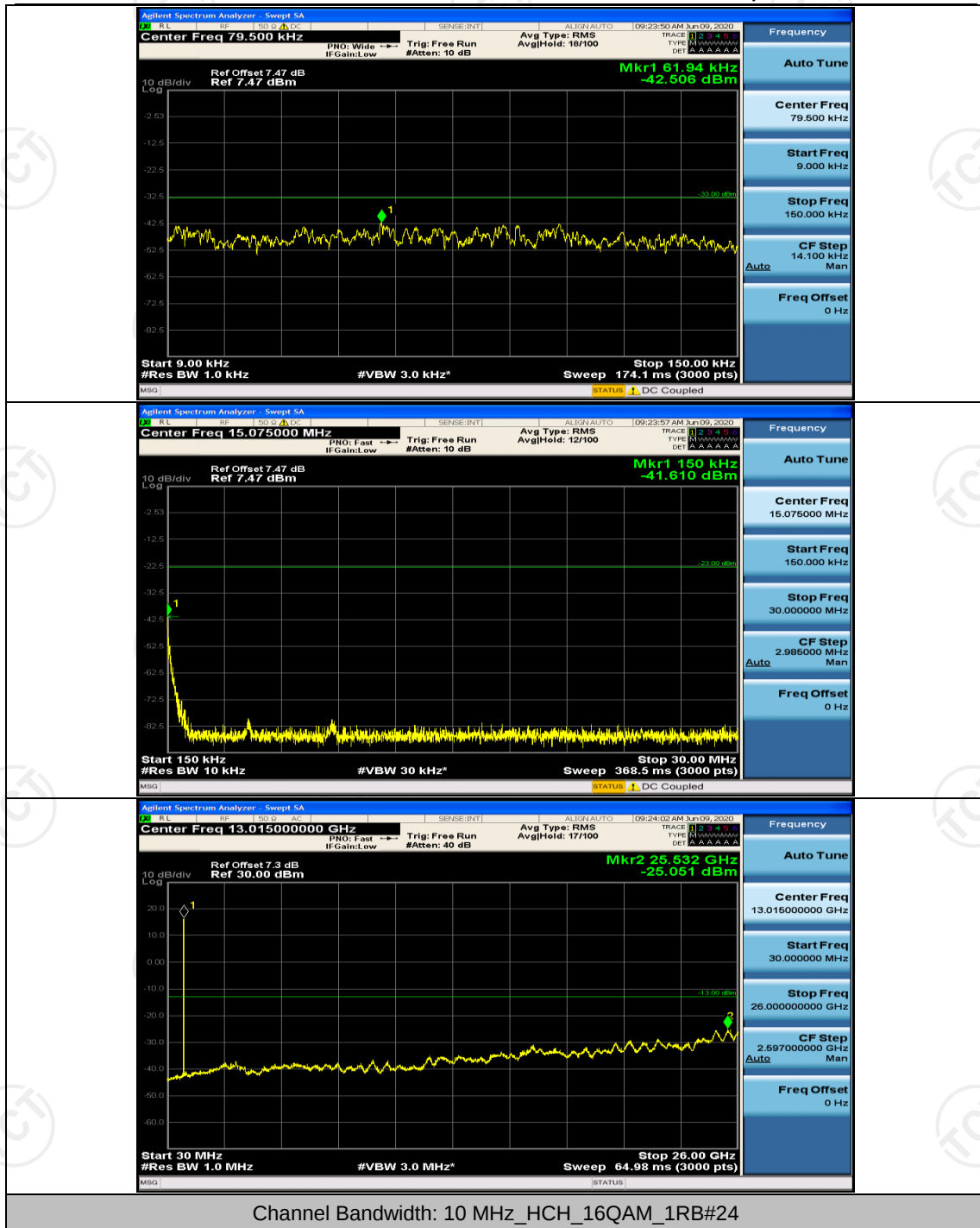


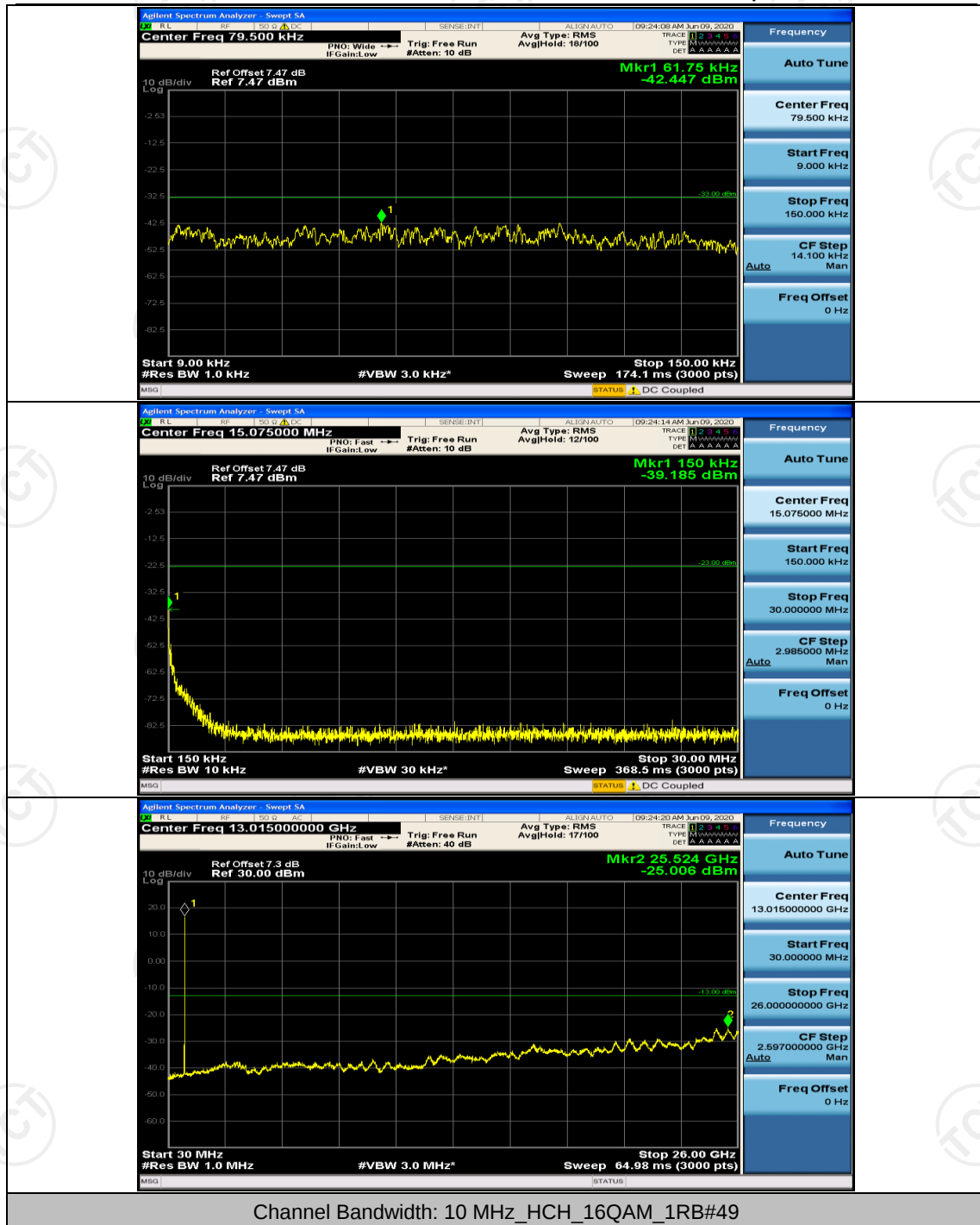
Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

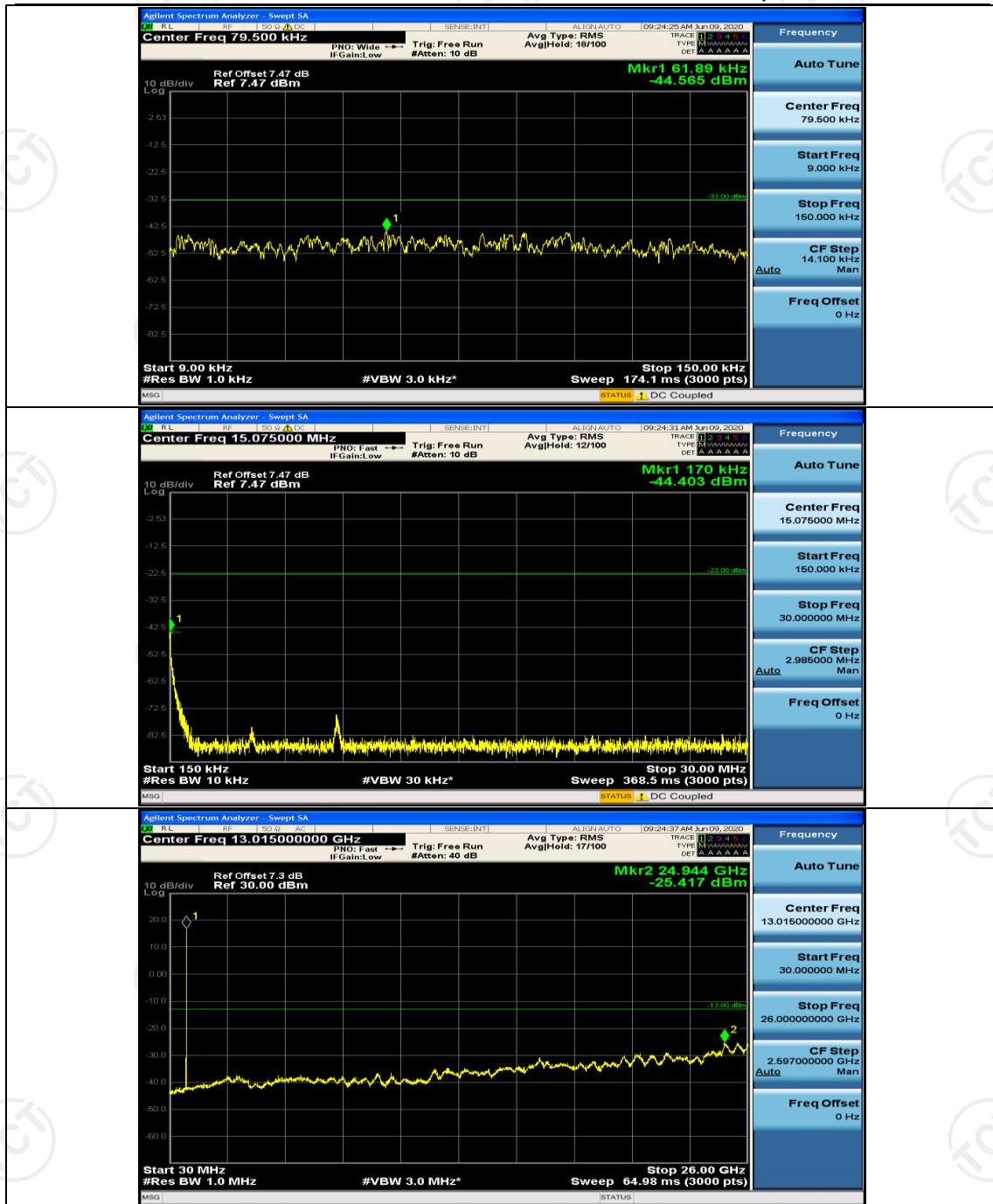












Appendix F: Frequency Stability

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	-1.37	-0.001756	± 2.5	PASS
		3.7	25	-0.36	-0.000459	± 2.5	PASS
		4.2	25	-0.06	-0.000073	± 2.5	PASS
	MCH	3.4	25	-0.06	-0.000073	± 2.5	PASS
		3.7	25	-0.82	-0.001043	± 2.5	PASS
		4.2	25	0.36	0.000457	± 2.5	PASS
	HCH	3.4	25	-0.33	-0.000421	± 2.5	PASS
		3.7	25	0.29	0.000365	± 2.5	PASS
		4.2	25	0.30	0.000384	± 2.5	PASS
16QAM	LCH	3.4	25	-0.14	-0.000183	± 2.5	PASS
		3.7	25	-0.70	-0.000899	± 2.5	PASS
		4.2	25	-1.44	-0.001848	± 2.5	PASS
	MCH	3.4	25	-1.43	-0.001829	± 2.5	PASS
		3.7	25	0.14	0.000183	± 2.5	PASS
		4.2	25	-0.76	-0.000970	± 2.5	PASS
	HCH	3.4	25	-0.07	-0.000091	± 2.5	PASS
		3.7	25	0.20	0.000256	± 2.5	PASS
		4.2	25	-0.07	-0.000091	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-0.76	-0.000970	± 2.5	PASS
		3.7	-20	-0.80	-0.001024	± 2.5	PASS
		3.7	-10	-0.51	-0.000659	± 2.5	PASS
		3.7	0	-0.13	-0.000165	± 2.5	PASS
		3.7	10	-0.53	-0.000677	± 2.5	PASS
		3.7	20	-0.04	-0.000055	± 2.5	PASS
		3.7	30	-0.89	-0.001138	± 2.5	PASS
		3.7	40	-0.09	-0.000110	± 2.5	PASS
	3.7	50	-0.21	-0.000275	± 2.5	PASS	
	MCH	3.7	-30	-0.04	-0.000055	± 2.5	PASS
		3.7	-20	0.64	0.000823	± 2.5	PASS
		3.7	-10	-0.10	-0.000128	± 2.5	PASS
		3.7	0	0.11	0.000146	± 2.5	PASS
		3.7	10	-0.01	-0.000018	± 2.5	PASS
		3.7	20	0.10	0.000128	± 2.5	PASS
3.7		30	0.26	0.000329	± 2.5	PASS	
3.7	40	0.11	0.000146	± 2.5	PASS		

	HCH	3.7	50	0.10	0.000128	± 2.5	PASS
		3.7	-30	0.49	0.000622	± 2.5	PASS
		3.7	-20	0.44	0.000567	± 2.5	PASS
		3.7	-10	0.00	0.000000	± 2.5	PASS
		3.7	0	0.33	0.000421	± 2.5	PASS
		3.7	10	0.49	0.000622	± 2.5	PASS
		3.7	20	-0.64	-0.000821	± 2.5	PASS
		3.7	30	-0.63	-0.000802	± 2.5	PASS
		3.7	40	0.19	0.000237	± 2.5	PASS
		3.7	50	-0.73	-0.000930	± 2.5	PASS
16QAM	LCH	3.7	-30	0.33	0.000421	± 2.5	PASS
		3.7	-20	0.44	0.000567	± 2.5	PASS
		3.7	-10	0.00	0.000000	± 2.5	PASS
		3.7	0	0.33	0.000421	± 2.5	PASS
		3.7	10	0.49	0.000622	± 2.5	PASS
		3.7	20	0.40	0.000514	± 2.5	PASS
		3.7	30	-1.83	-0.002349	± 2.5	PASS
		3.7	40	-0.83	-0.001064	± 2.5	PASS
		3.7	50	-0.97	-0.001248	± 2.5	PASS
	MCH	3.7	-30	0.00	0.000000	± 2.5	PASS
		3.7	-20	-0.44	-0.000567	± 2.5	PASS
		3.7	-10	-0.90	-0.001152	± 2.5	PASS
		3.7	0	-0.90	-0.001152	± 2.5	PASS
		3.7	10	-0.19	-0.000238	± 2.5	PASS
		3.7	20	-0.62	-0.000787	± 2.5	PASS
		3.7	30	-1.37	-0.001756	± 2.5	PASS
		3.7	40	-0.23	-0.000293	± 2.5	PASS
		3.7	50	-0.53	-0.000677	± 2.5	PASS
	HCH	3.7	-30	0.44	0.000567	± 2.5	PASS
		3.7	-20	-0.44	-0.000567	± 2.5	PASS
		3.7	-10	-0.90	-0.001152	± 2.5	PASS
		3.7	0	-0.90	-0.001152	± 2.5	PASS
		3.7	10	-0.19	-0.000238	± 2.5	PASS
		3.7	20	-0.90	-0.001149	± 2.5	PASS
		3.7	30	-0.09	-0.000109	± 2.5	PASS
		3.7	40	-0.46	-0.000584	± 2.5	PASS
		3.7	50	-0.62	-0.000784	± 2.5	PASS