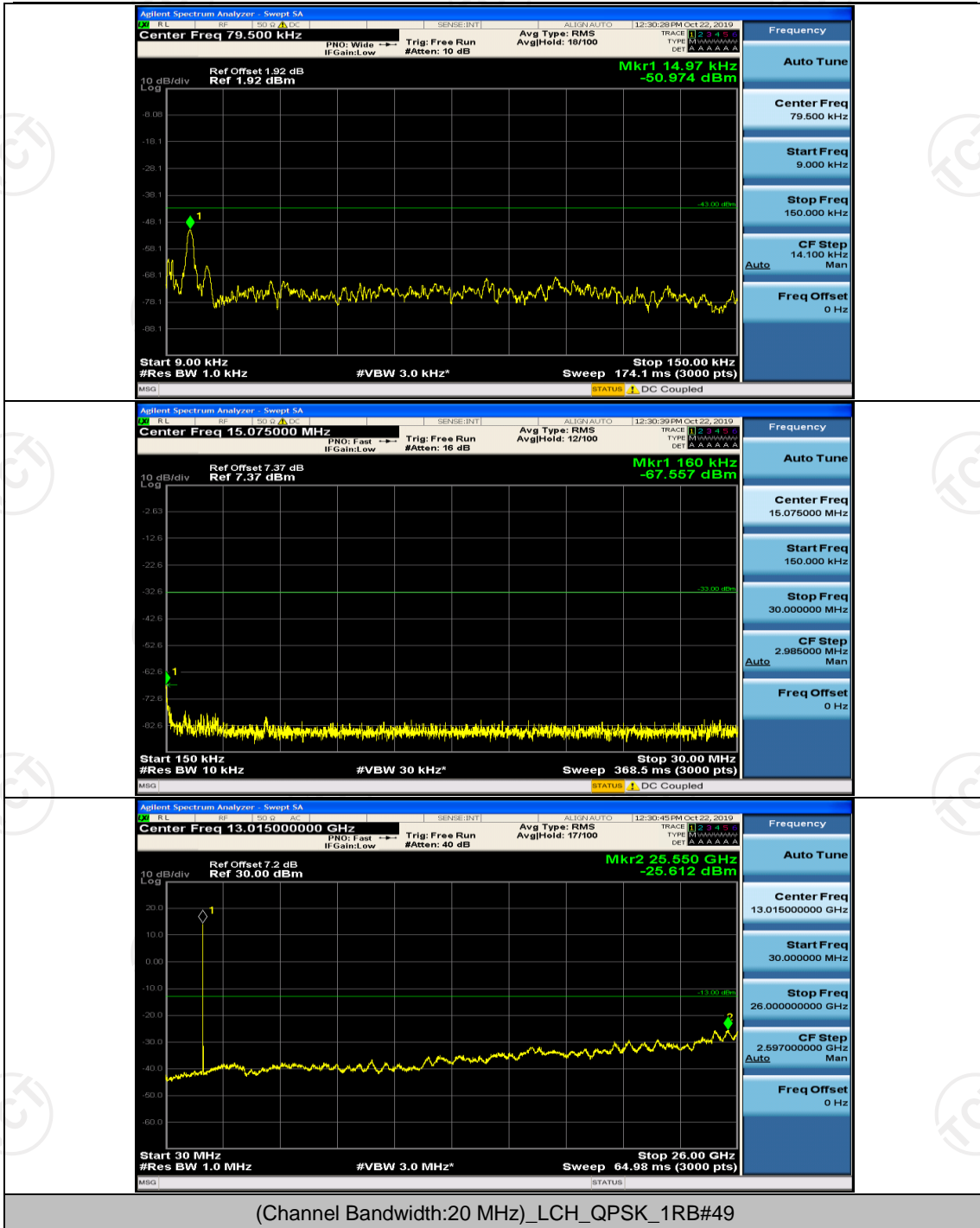
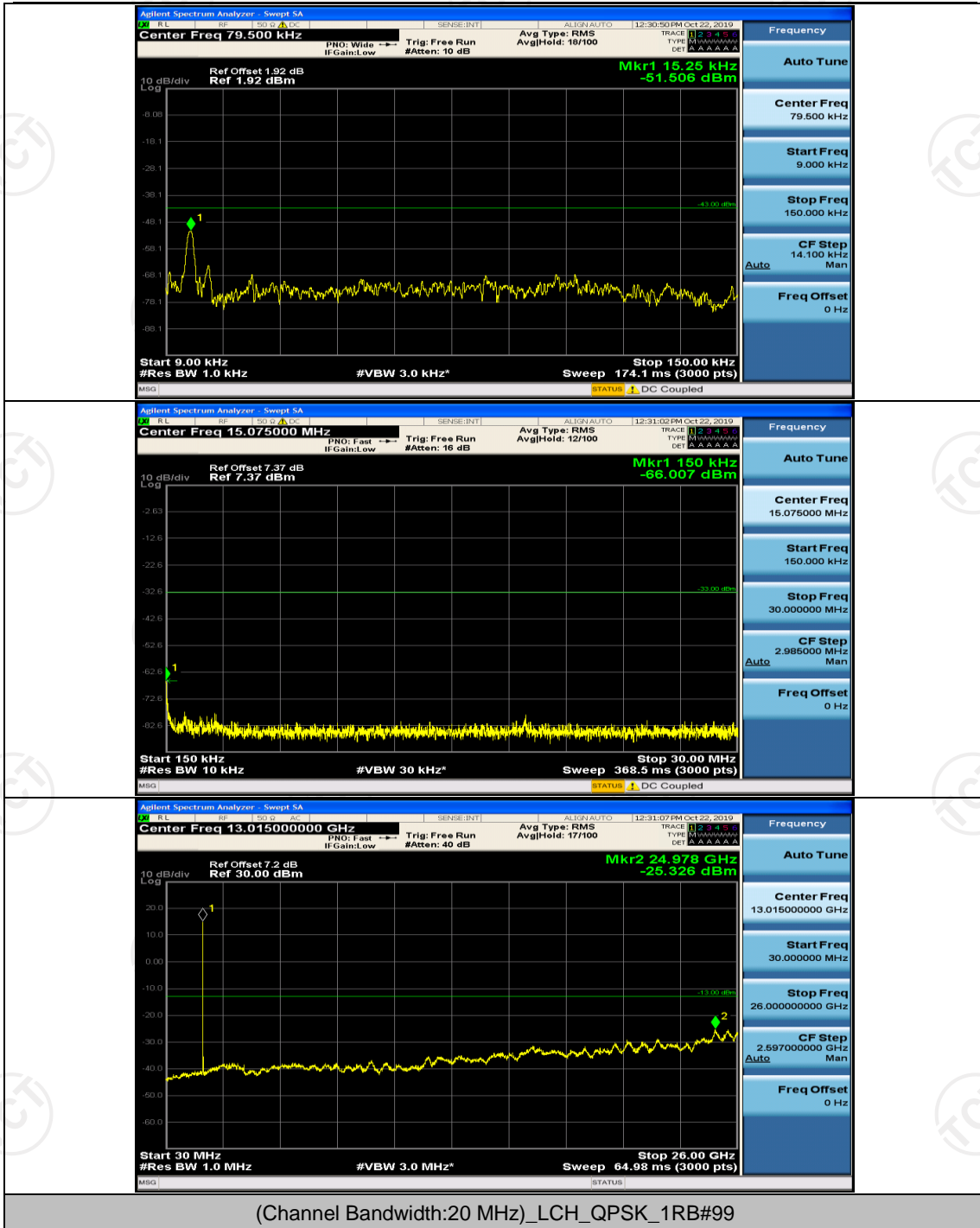
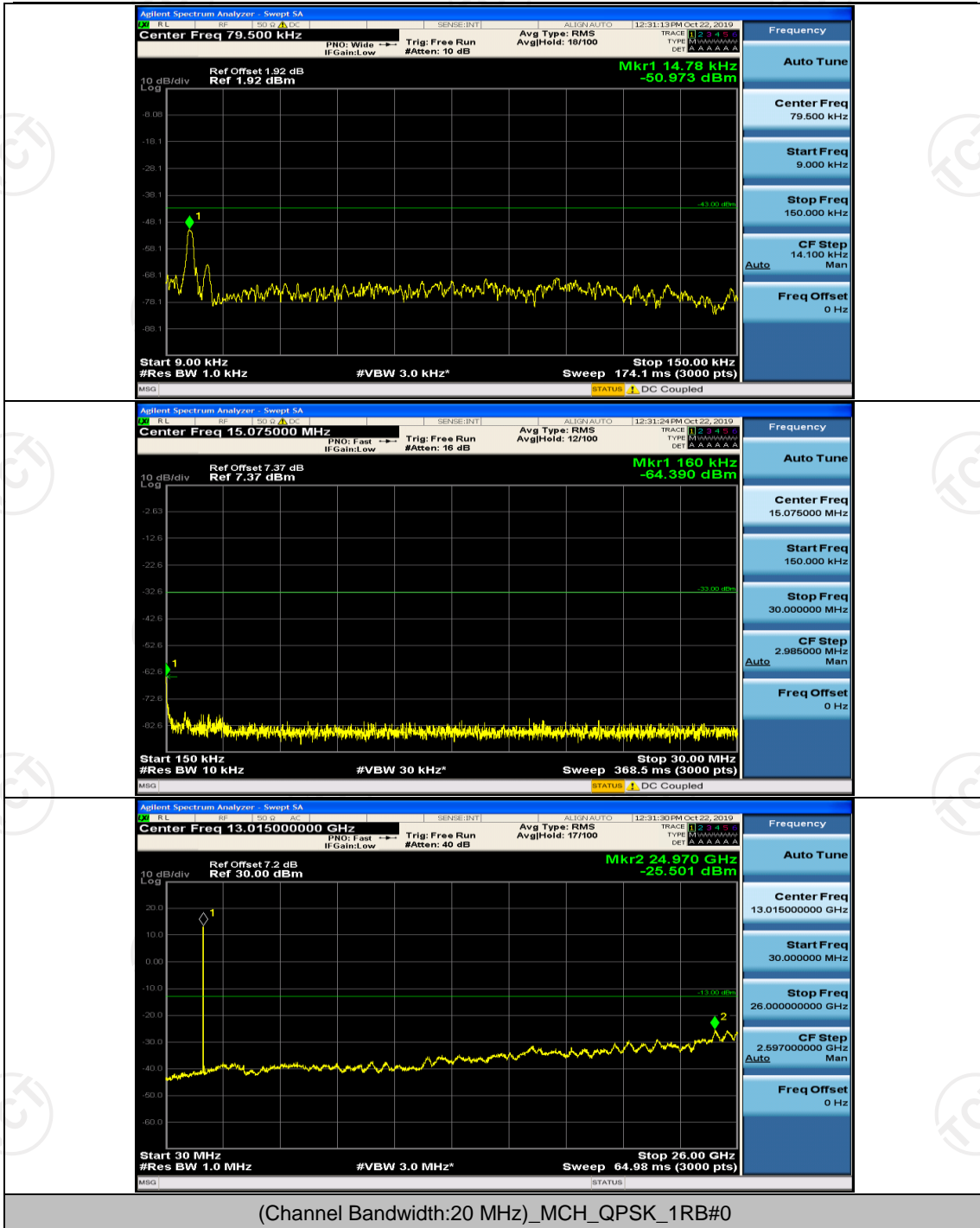


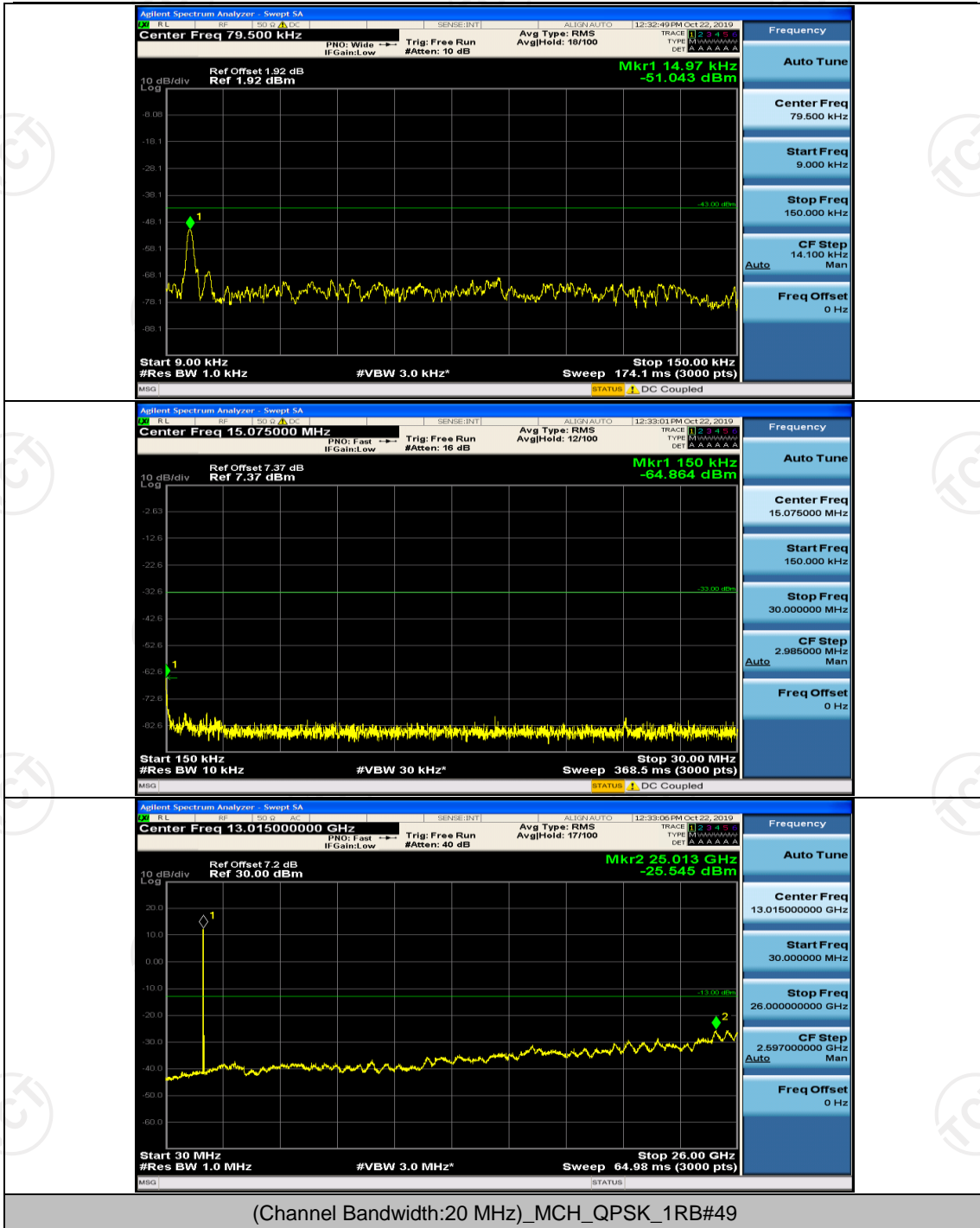
Channel Bandwidth: 20 MHz

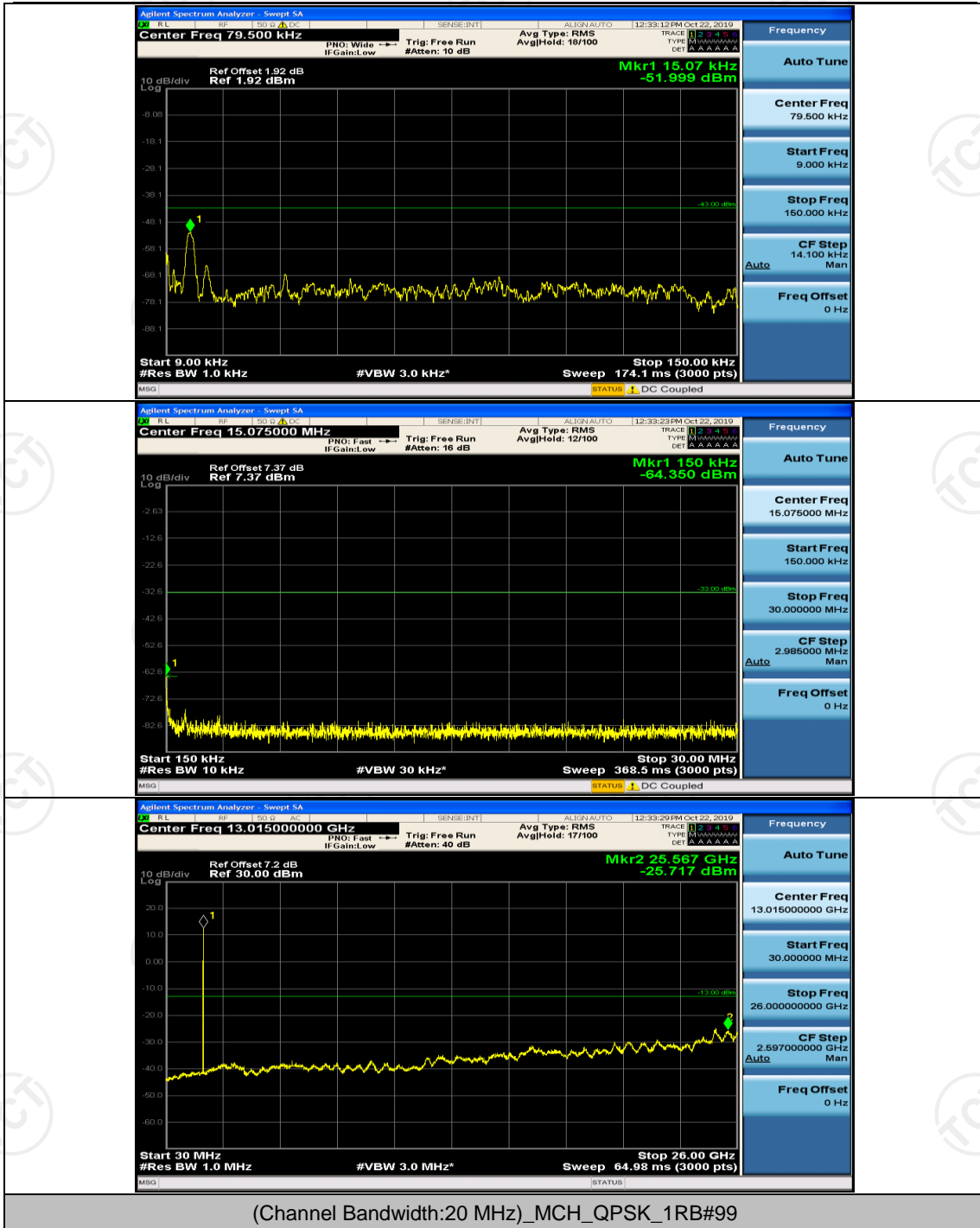
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

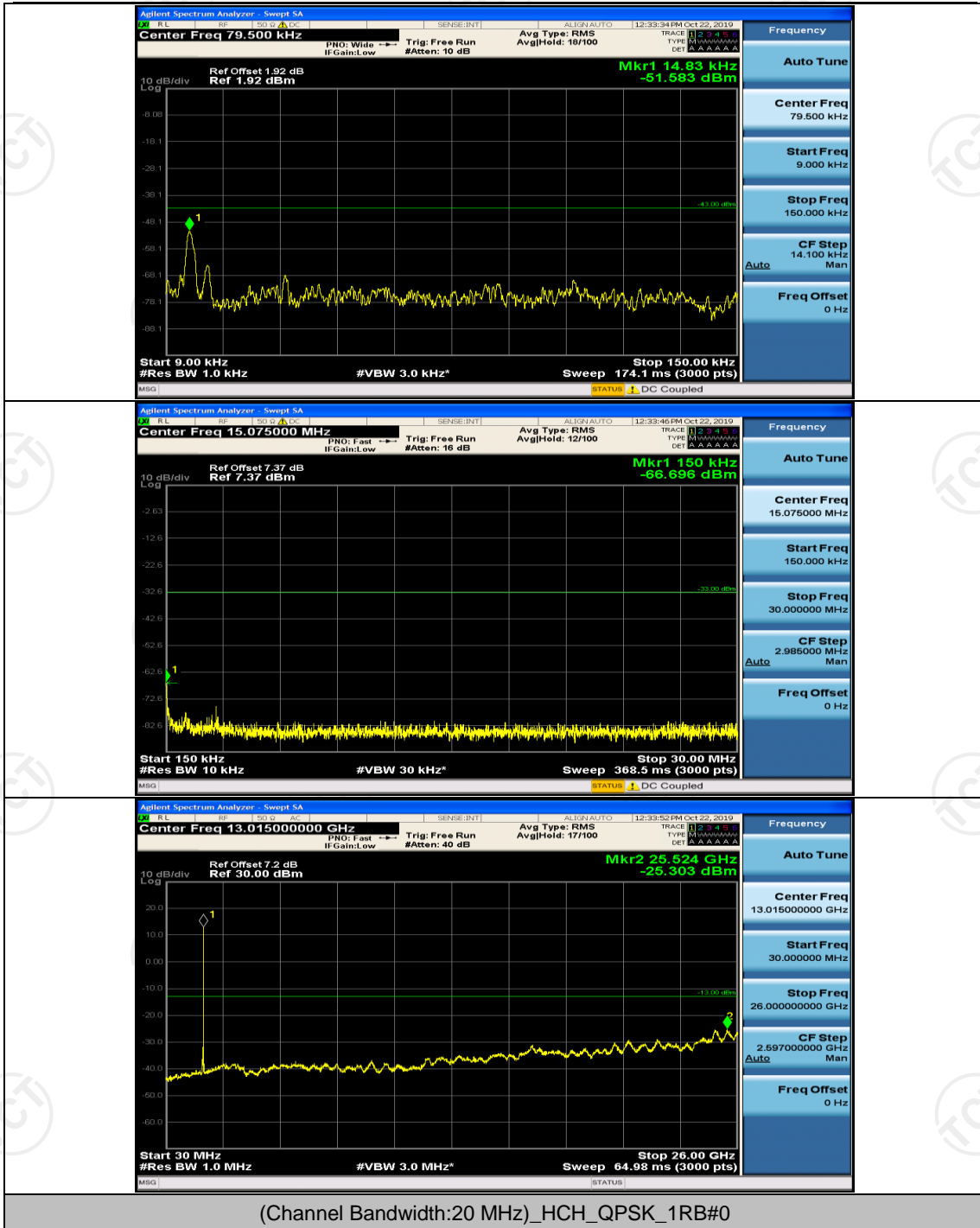


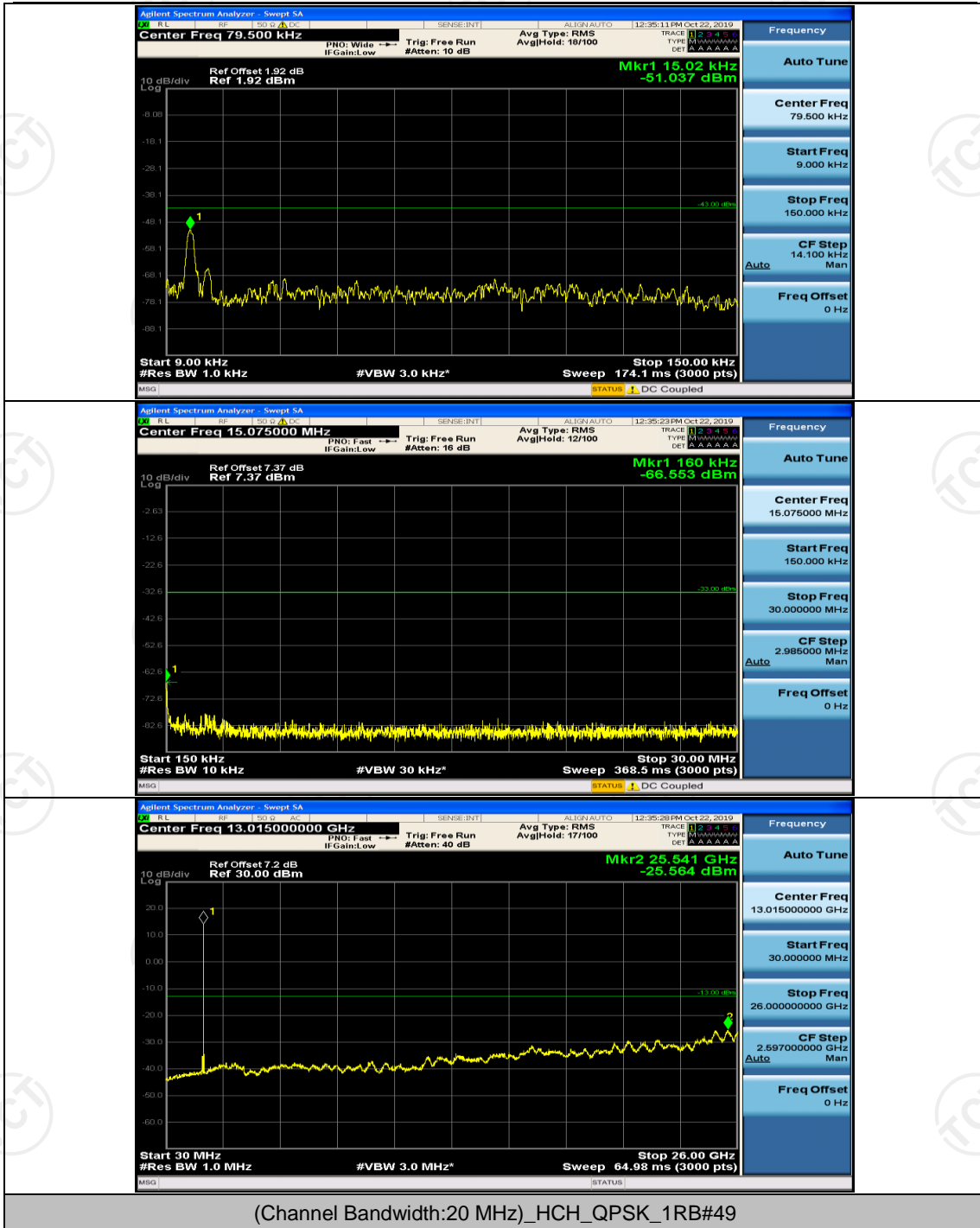


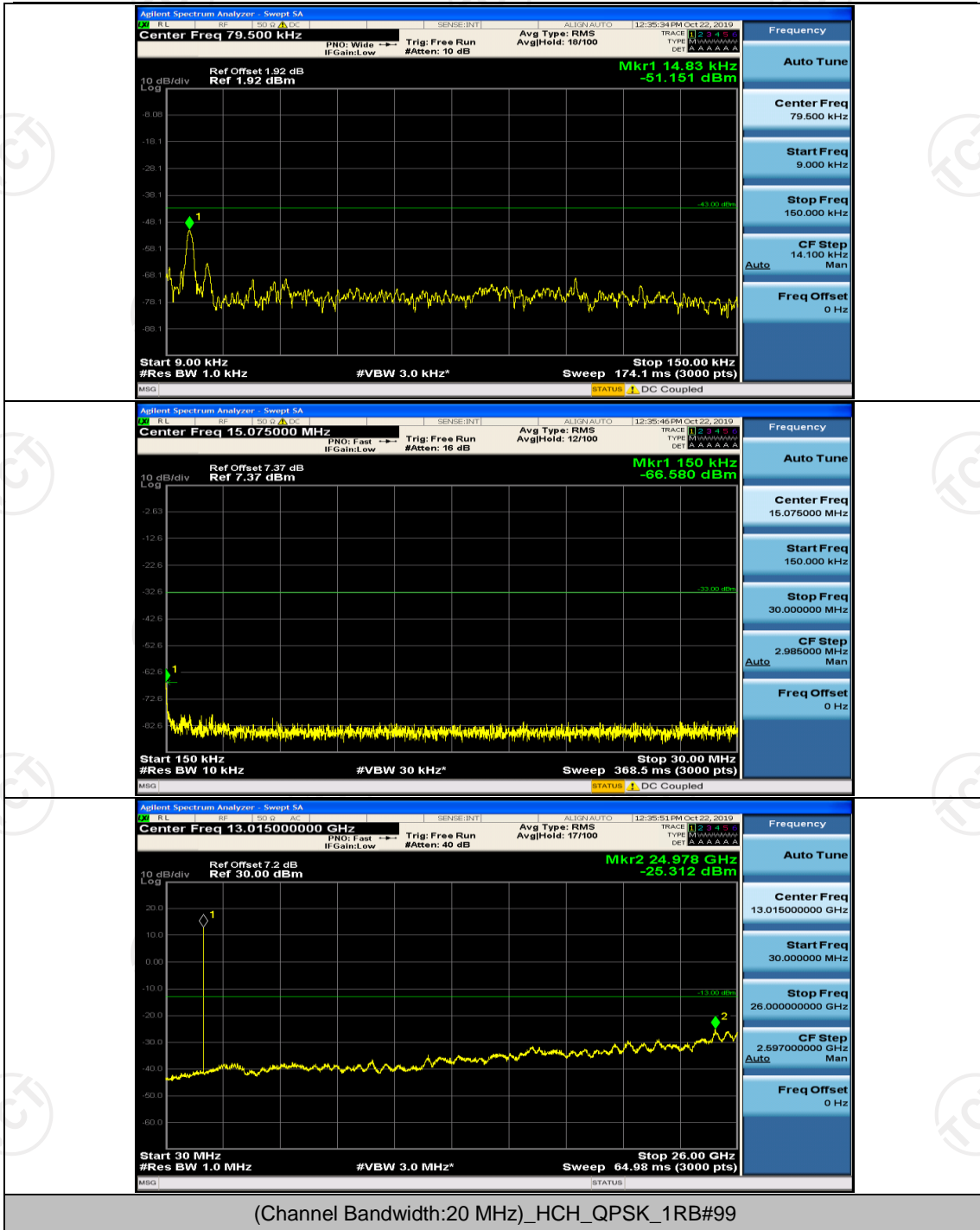


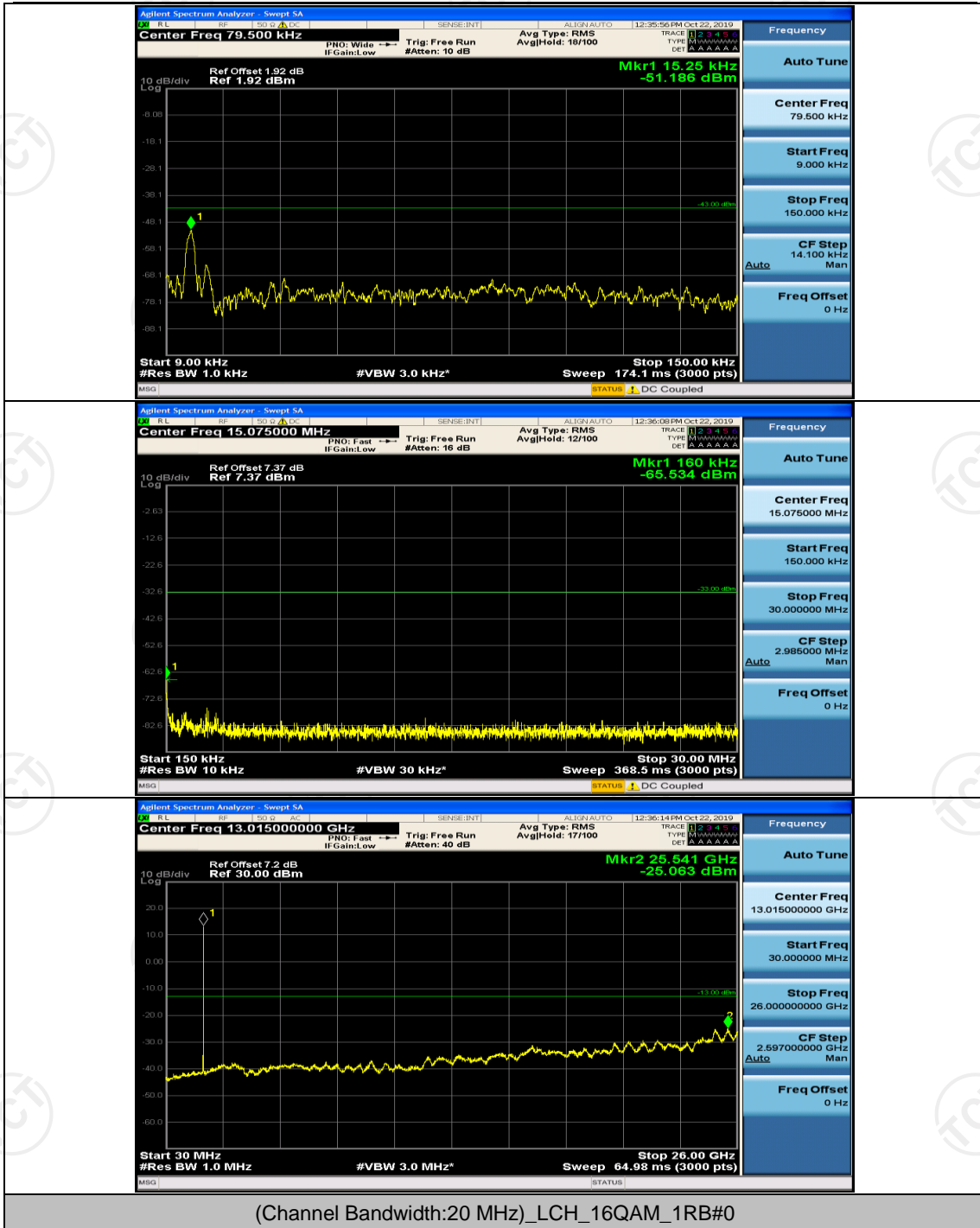


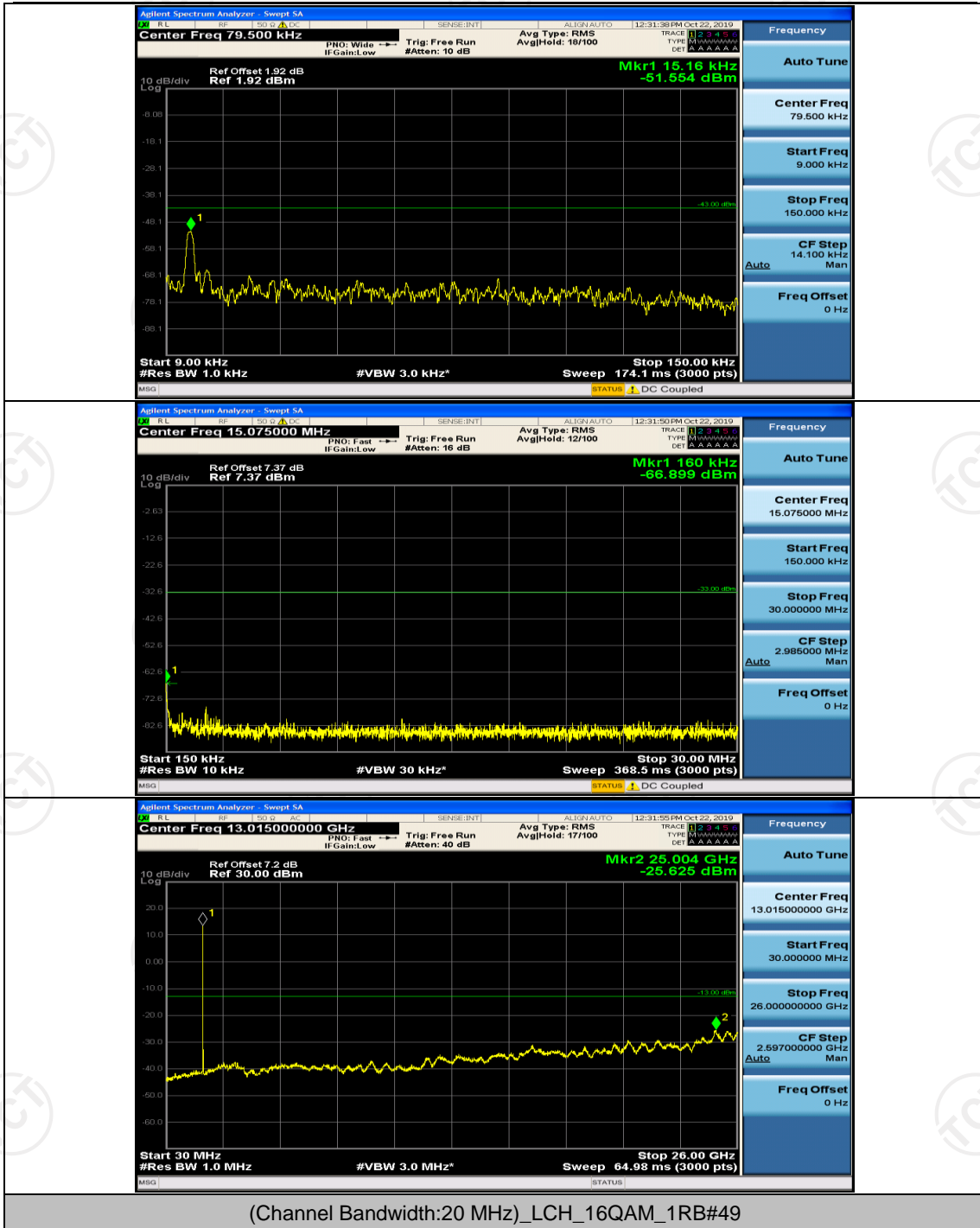


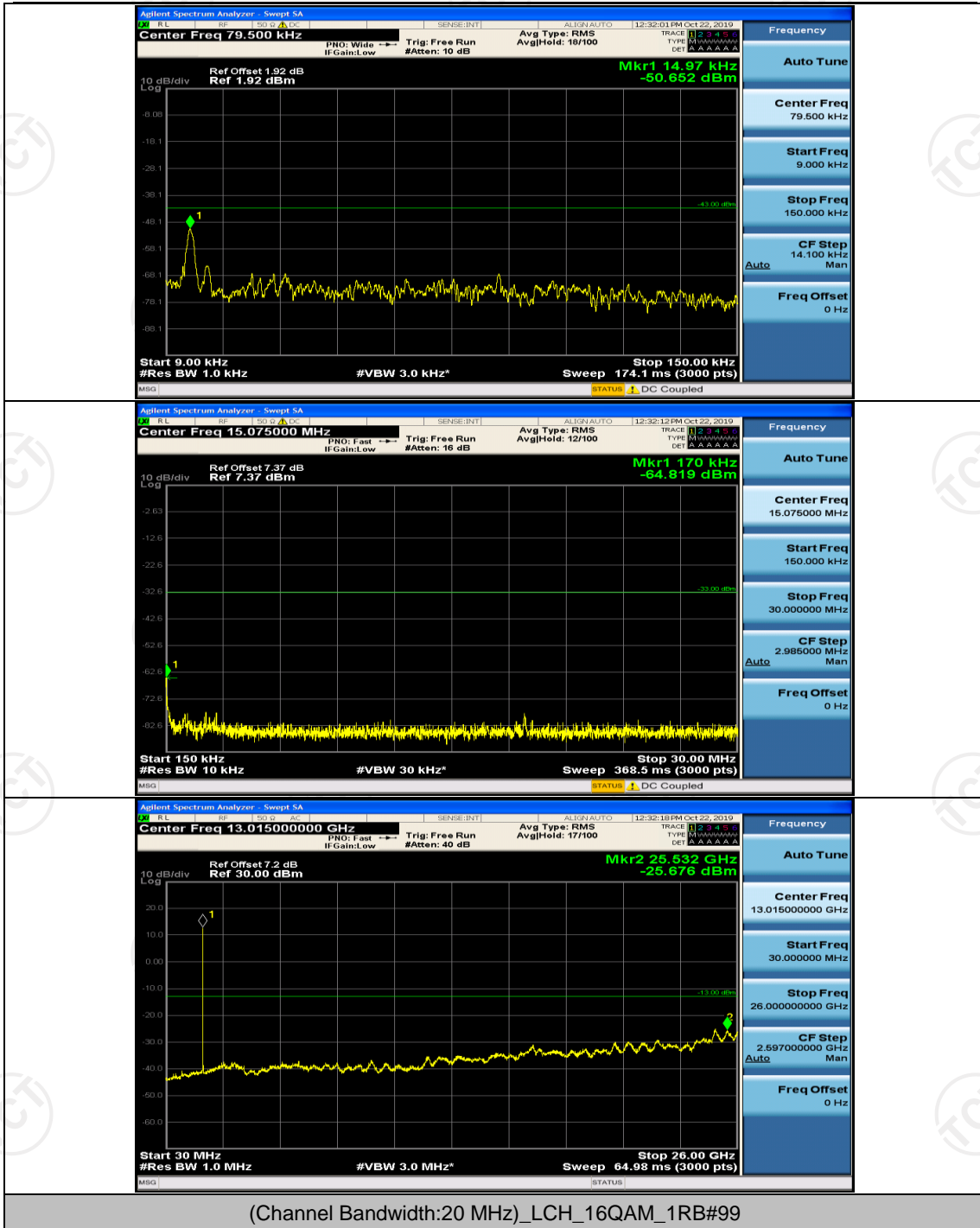


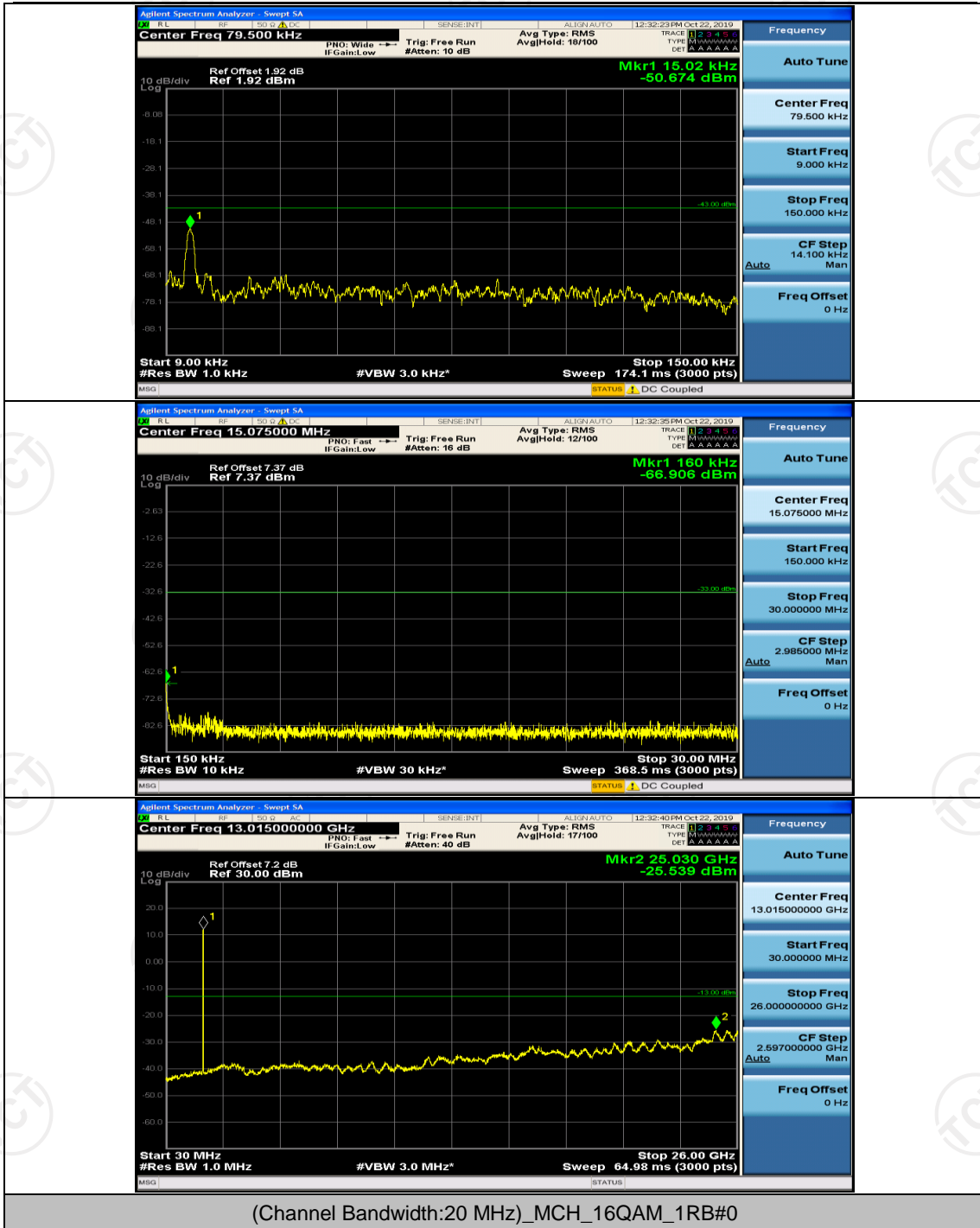


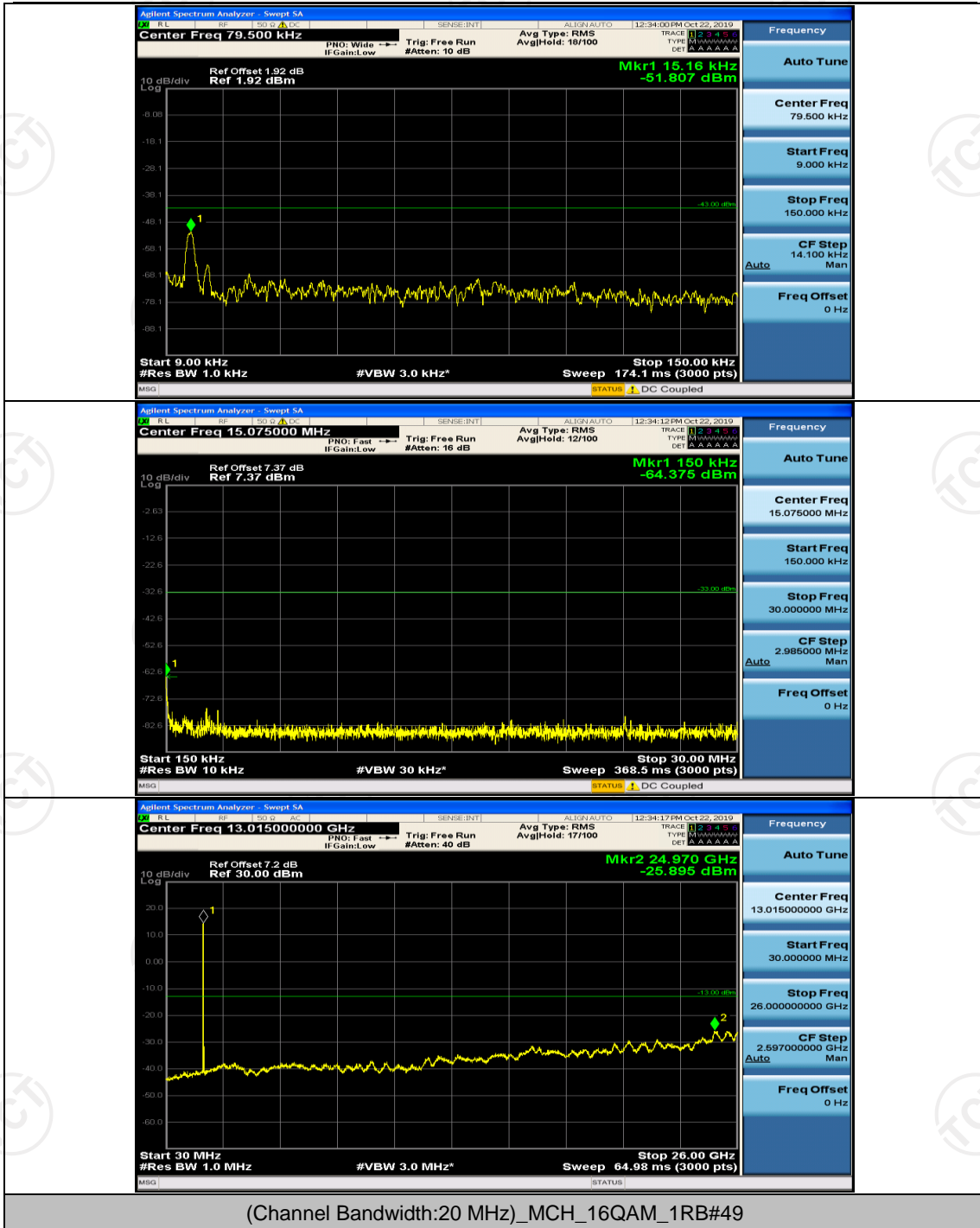


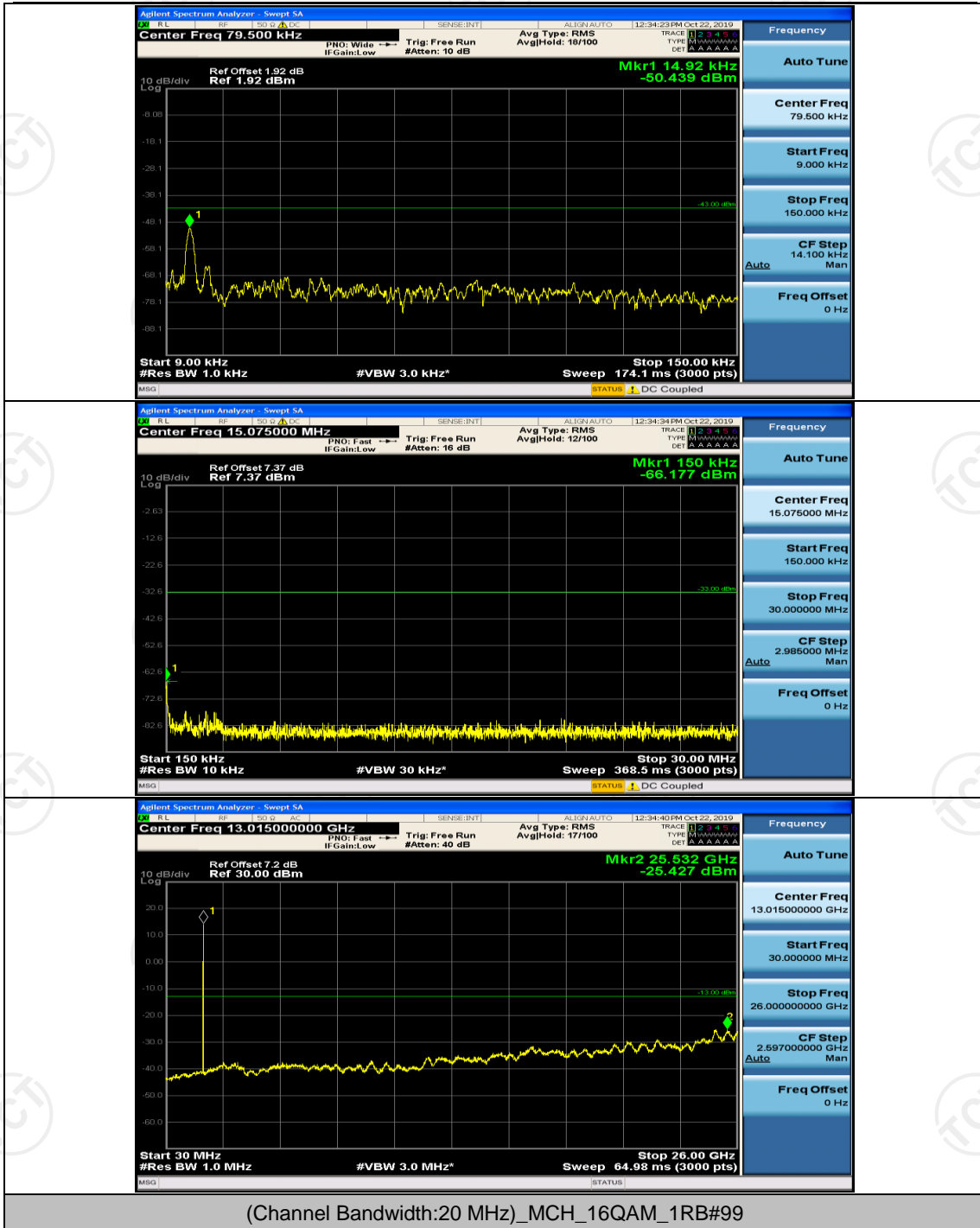


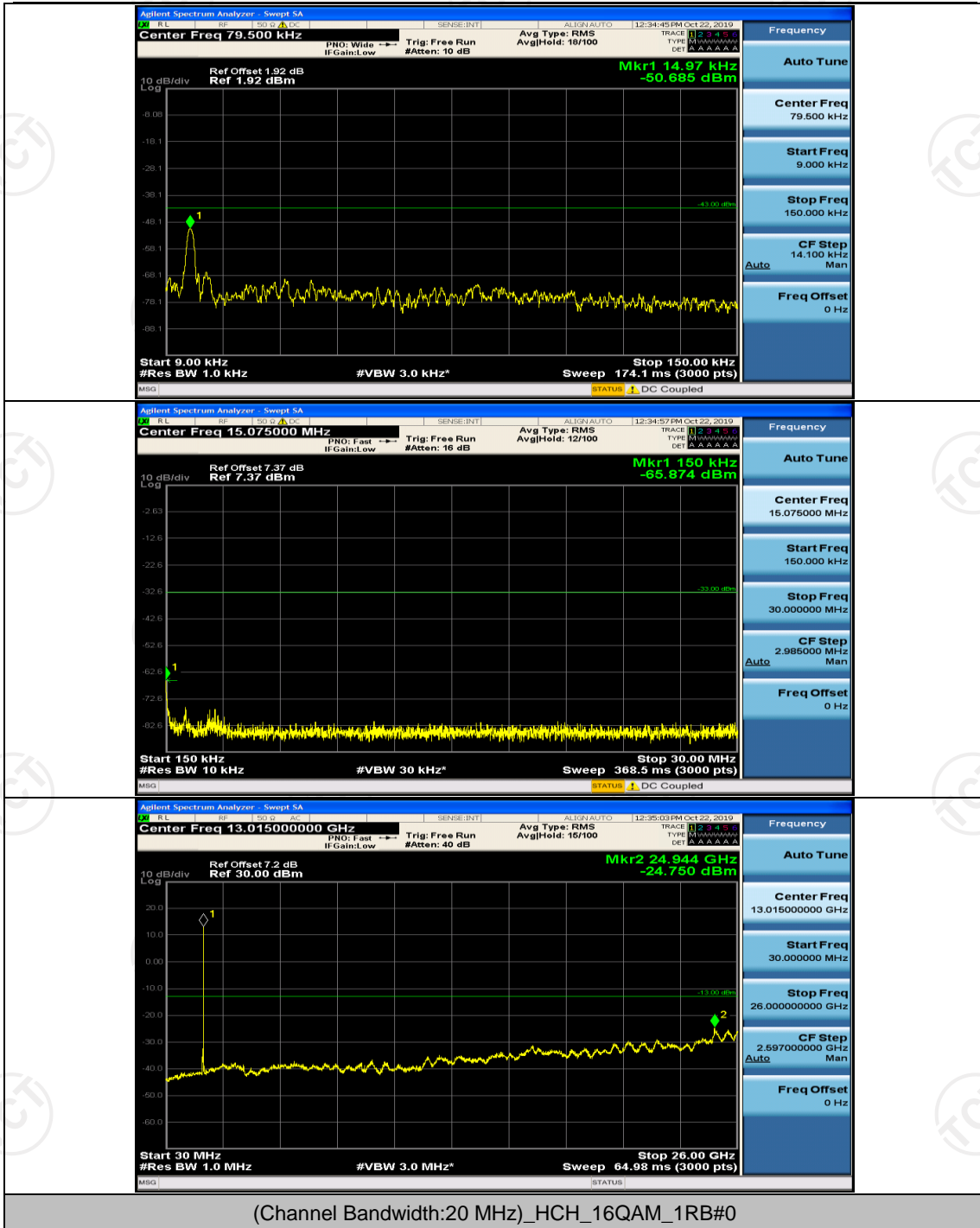


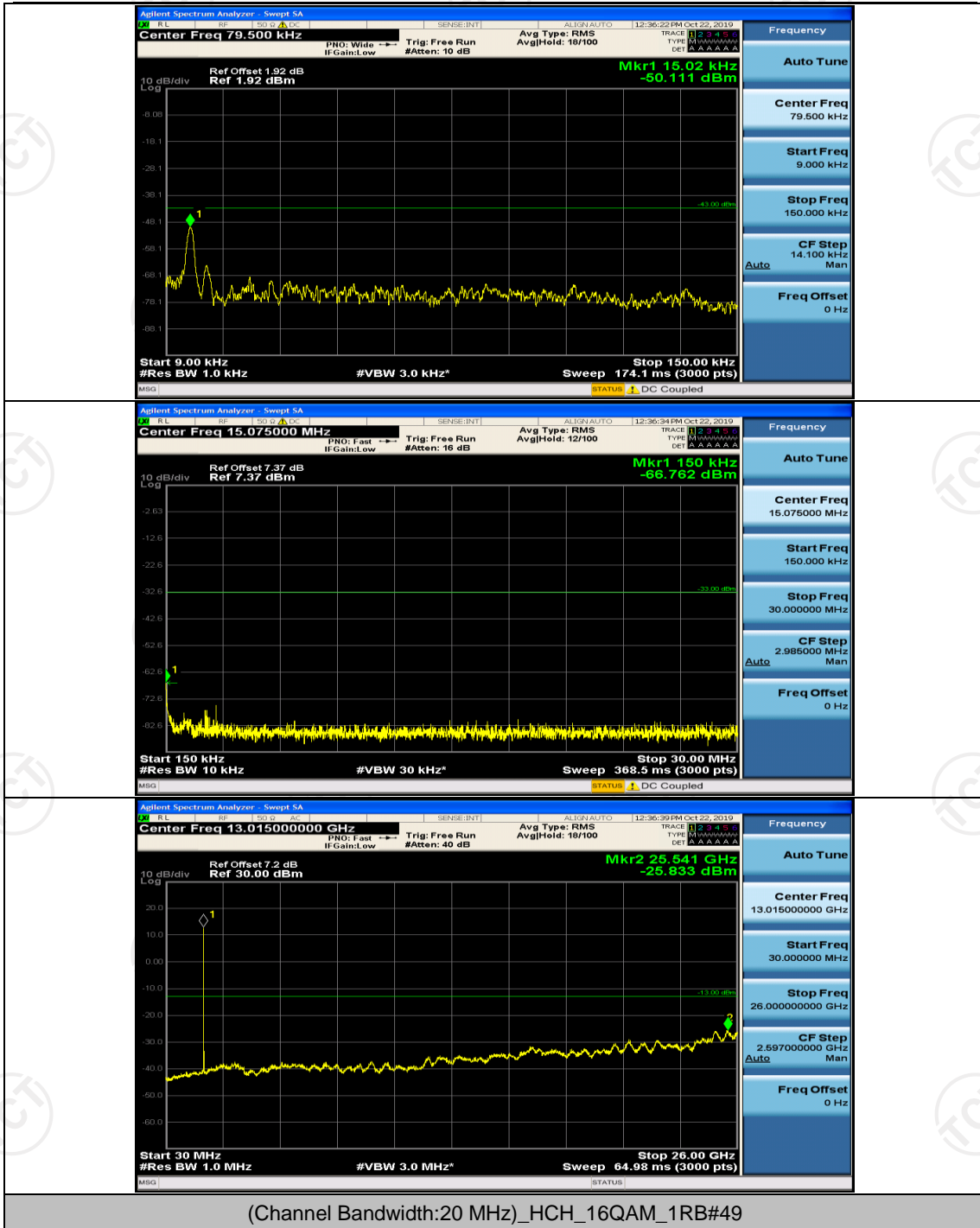


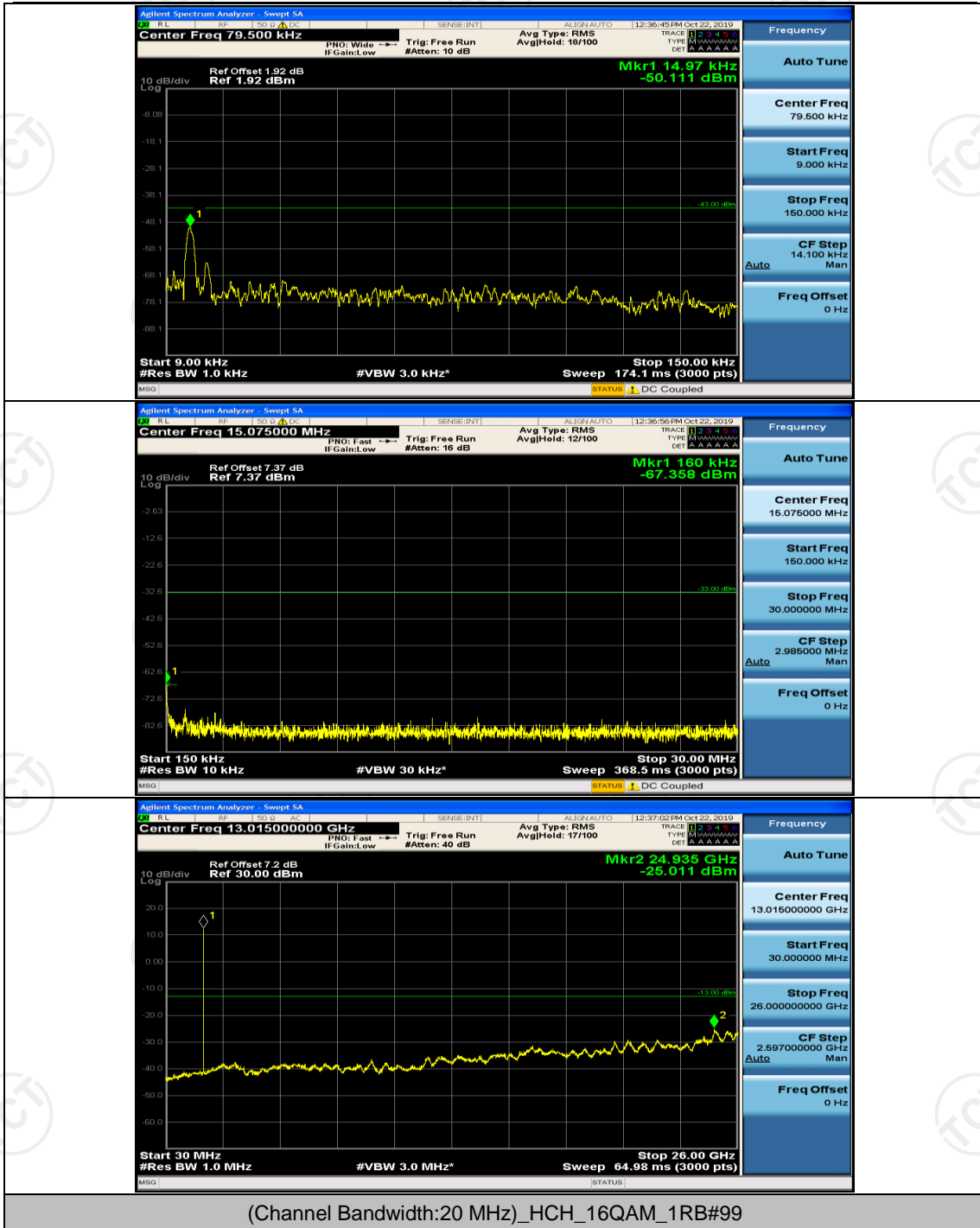


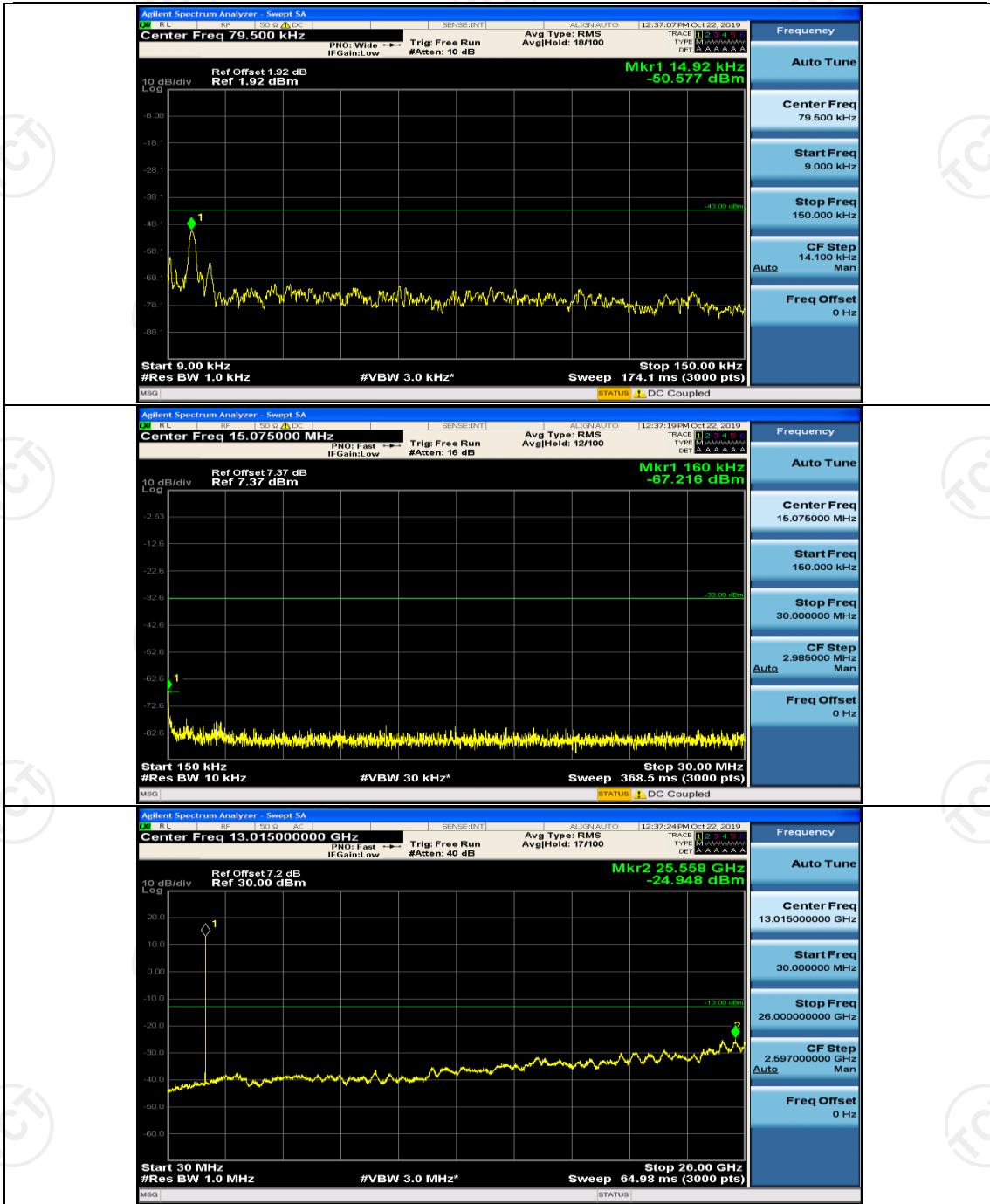












Appendix F: Frequency Stability

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	3.4	25	-5.73	-0.003419	± 2.5	PASS
		3.7	25	-5.56	-0.003253	± 2.5	PASS
		4.2	25	-5.31	-0.003109	± 2.5	PASS
	MCH	3.4	25	-11.69	-0.006697	± 2.5	PASS
		3.7	25	-11.37	-0.006564	± 2.5	PASS
		4.2	25	-11.21	-0.006437	± 2.5	PASS
	HCH	3.4	25	-11.08	-0.006308	± 2.5	PASS
		3.7	25	-9.01	-0.005137	± 2.5	PASS
		4.2	25	-8.76	-0.004938	± 2.5	PASS
16QAM	LCH	3.4	25	-8.60	-0.004806	± 2.5	PASS
		3.7	25	-4.02	-0.002350	± 2.5	PASS
		4.2	25	-3.94	-0.002313	± 2.5	PASS
	MCH	3.4	25	-2.72	-0.001904	± 2.5	PASS
		3.7	25	0.41	0.000239	± 2.5	PASS
		4.2	25	0.35	0.000224	± 2.5	PASS
	HCH	3.4	25	-4.78	-0.002749	± 2.5	PASS
		3.7	25	-4.62	-0.002634	± 2.5	PASS
		4.2	25	-4.31	-0.002437	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-4.26	-0.002375	± 2.5	PASS
		3.7	-20	-4.10	-0.002139	± 2.5	PASS
		3.7	-10	-3.97	-0.002016	± 2.5	PASS
		3.7	0	-3.83	-0.001907	± 2.5	PASS
		3.7	10	-3.71	-0.001825	± 2.5	PASS
		3.7	20	-2.90	-0.001698	± 2.5	PASS
		3.7	30	-3.58	-0.002091	± 2.5	PASS
		3.7	40	-0.36	-0.000209	± 2.5	PASS
		3.7	50	-2.86	-0.001672	± 2.5	PASS
	MCH	3.7	-30	-2.77	-0.001548	± 2.5	PASS
		3.7	-20	-2.62	-0.001472	± 2.5	PASS
		3.7	-10	-2.51	-0.001384	± 2.5	PASS
		3.7	0	-2.36	-0.001302	± 2.5	PASS
		3.7	10	-2.12	-0.001215	± 2.5	PASS

		3.7	20	-3.38	-0.001949	± 2.5	PASS
		3.7	30	-3.95	-0.002279	± 2.5	PASS
		3.7	40	-3.49	-0.002015	± 2.5	PASS
		3.7	50	-4.65	-0.002683	± 2.5	PASS
	HCH	3.7	-30	-4.57	-0.002571	± 2.5	PASS
		3.7	-20	-4.32	-0.002403	± 2.5	PASS
		3.7	-10	-4.16	-0.002318	± 2.5	PASS
		3.7	0	-4.03	-0.002205	± 2.5	PASS
		3.7	10	-5.83	-0.003312	± 2.5	PASS
		3.7	20	-6.07	-0.003457	± 2.5	PASS
		3.7	30	-6.72	-0.003833	± 2.5	PASS
		3.7	40	-7.38	-0.004208	± 2.5	PASS
		3.7	50	-5.42	-0.003090	± 2.5	PASS
		16QAM	LCH	3.7	-30	-5.11	-0.002875
3.7	-20			-4.99	-0.002731	± 2.5	PASS
3.7	-10			-4.62	-0.002537	± 2.5	PASS
3.7	0			-4.34	-0.002409	± 2.5	PASS
3.7	10			-4.08	-0.002334	± 2.5	PASS
3.7	20			-3.18	-0.001856	± 2.5	PASS
3.7	30			-5.56	-0.003253	± 2.5	PASS
3.7	40			-2.83	-0.001656	± 2.5	PASS
MCH	3.7		50	-6.22	-0.003638	± 2.5	PASS
	3.7		-30	-5.75	-0.003309	± 2.5	PASS
	3.7		-20	-5.34	-0.003116	± 2.5	PASS
	3.7		-10	-5.19	-0.002973	± 2.5	PASS
	3.7		0	-4.83	-0.002715	± 2.5	PASS
	3.7		10	-5.94	-0.003892	± 2.5	PASS
	3.7		20	-6.57	-0.003790	± 2.5	PASS
	3.7		30	-1.96	-0.001131	± 2.5	PASS
HCH	3.7		40	-3.42	-0.001973	± 2.5	PASS
	3.7		50	-4.58	-0.002642	± 2.5	PASS
	3.7		-30	-4.42	-0.002581	± 2.5	PASS
	3.7		-20	-4.28	-0.002404	± 2.5	PASS
	3.7		-10	-4.06	-0.002311	± 2.5	PASS
	3.7		0	-8.75	-0.00495	± 2.5	PASS
	3.7		10	-8.33	-0.004731	± 2.5	PASS
	3.7		20	-11.29	-0.006434	± 2.5	PASS
	3.7		30	-6.95	-0.003963	± 2.5	PASS
	3.7		40	-7.97	-0.004542	± 2.5	PASS
	3.7		50	-4.31	-0.002454	± 2.5	PASS