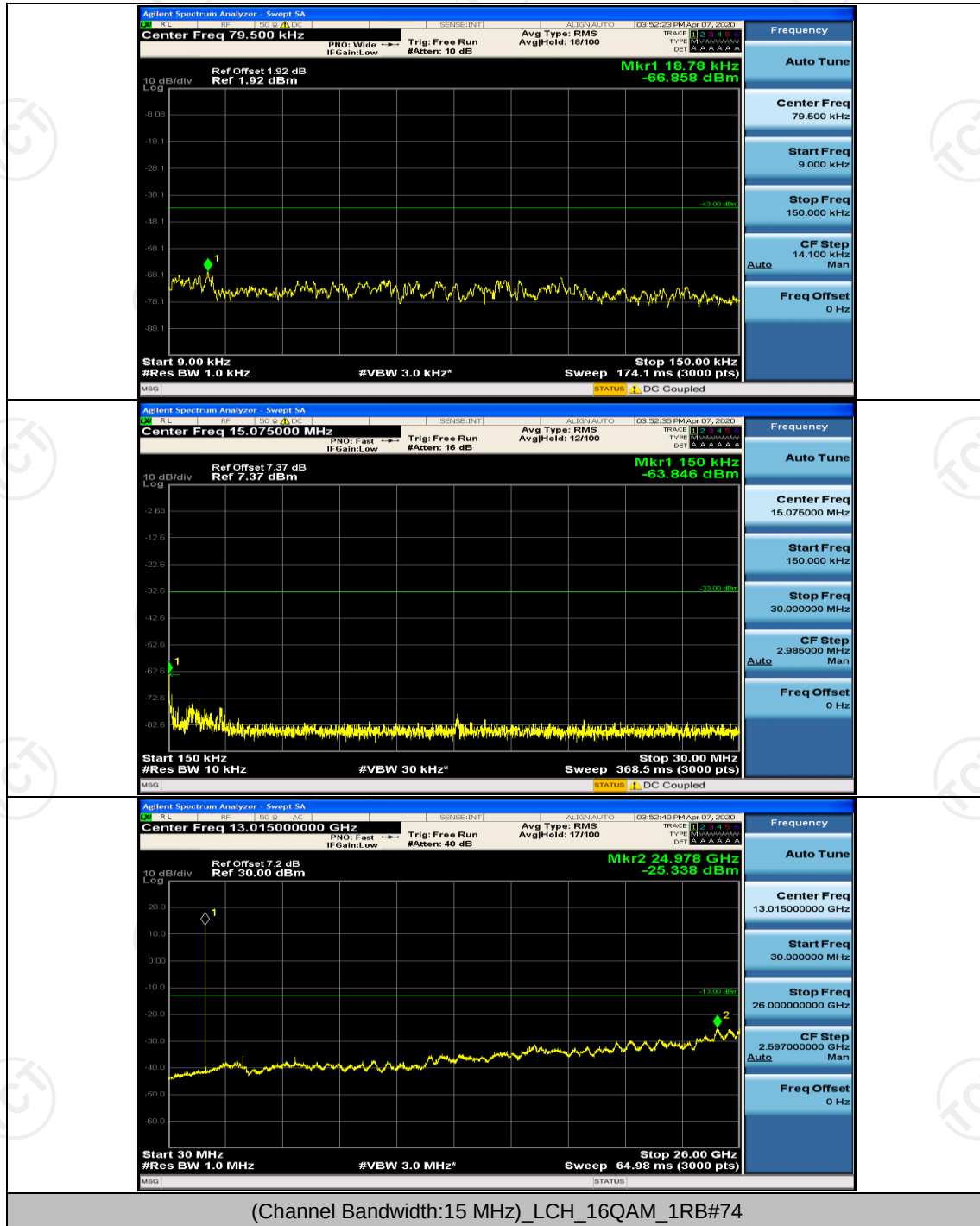
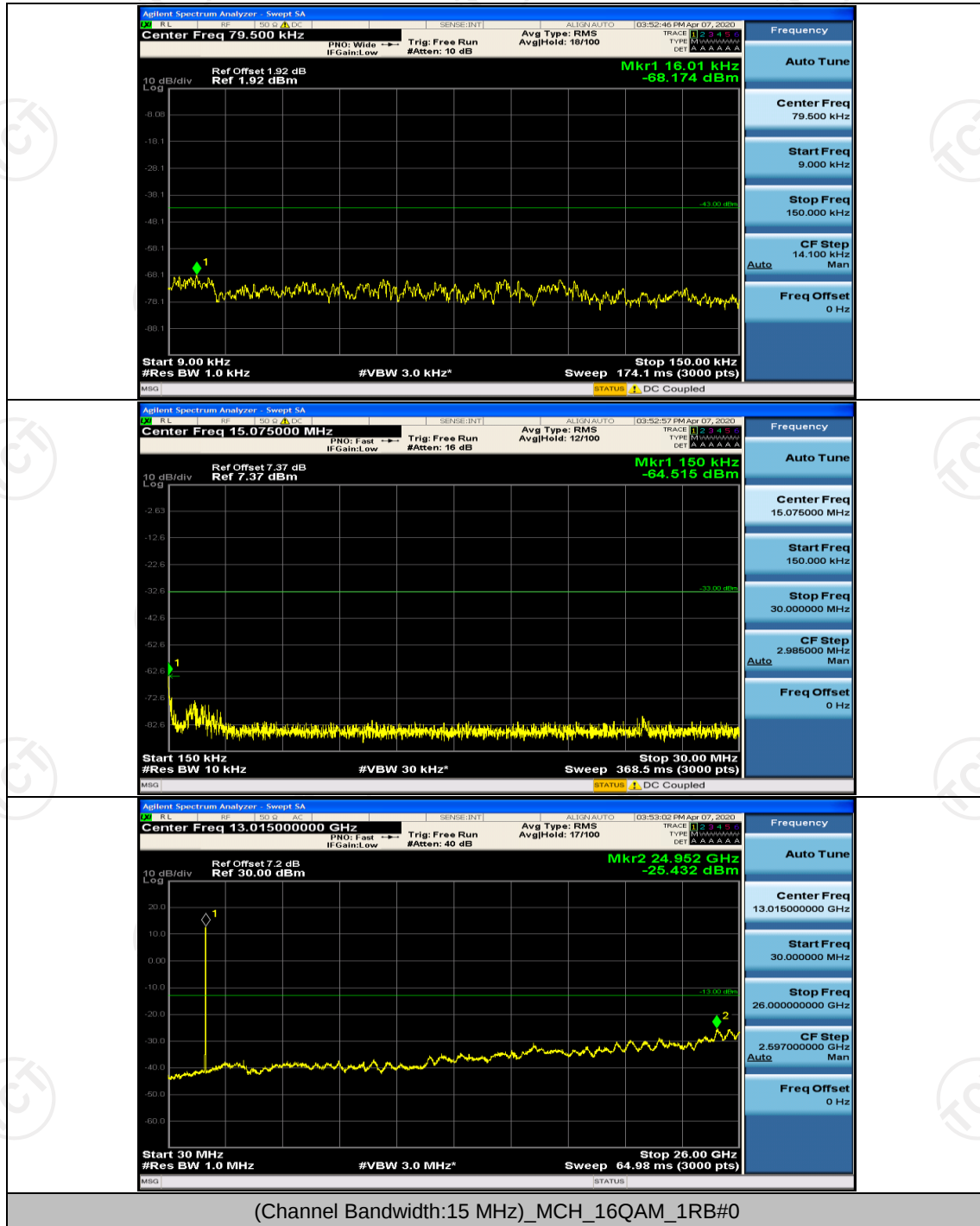
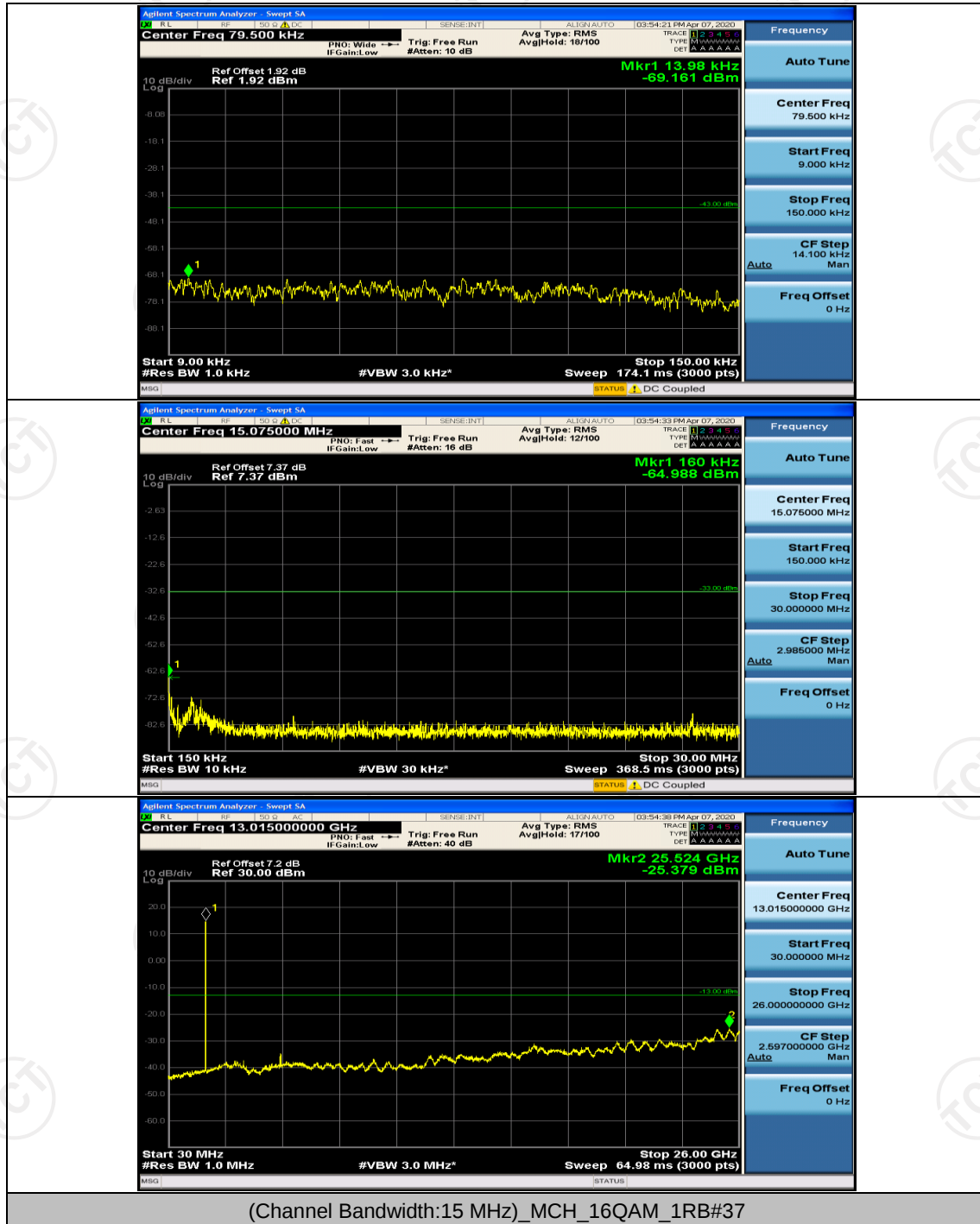
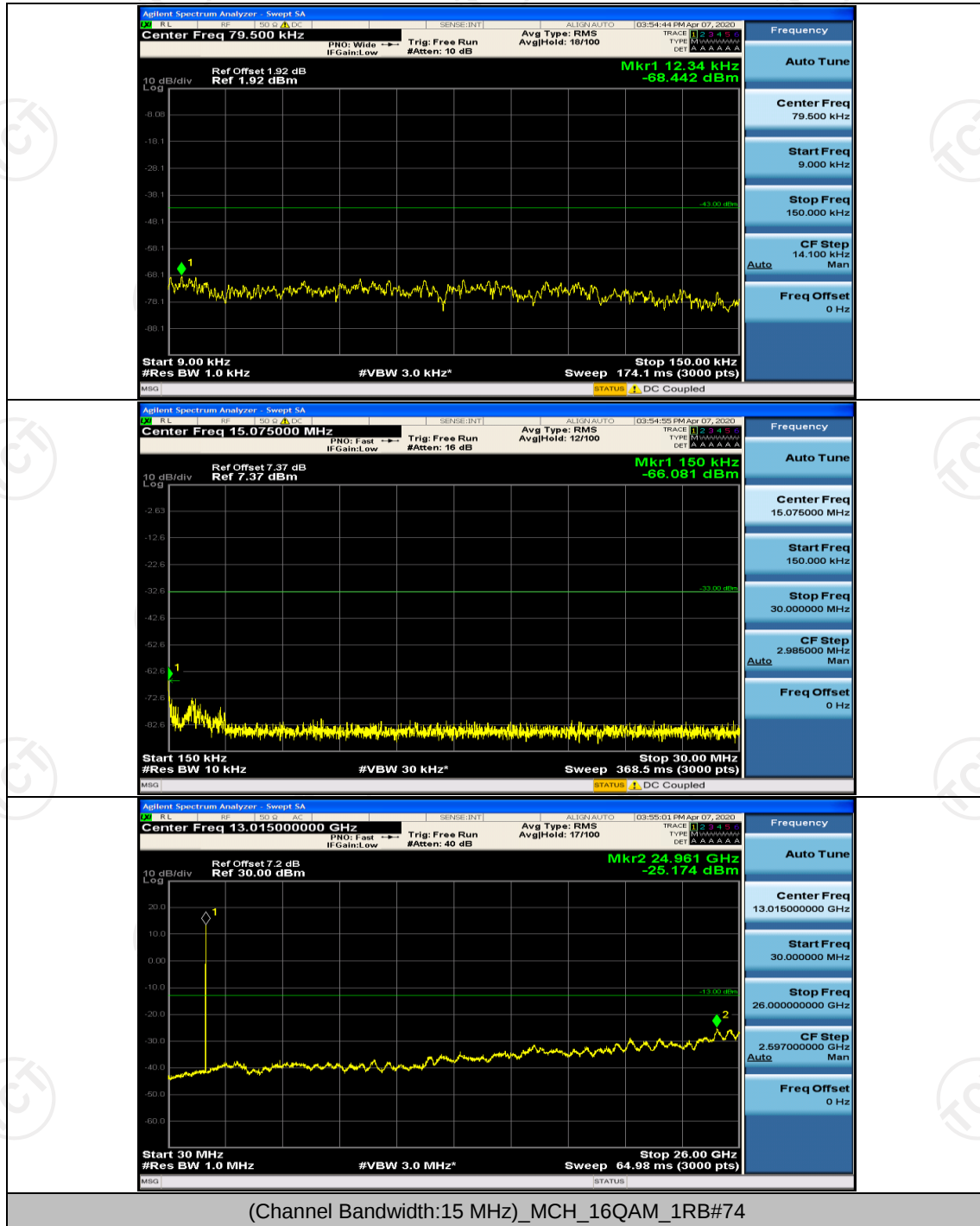
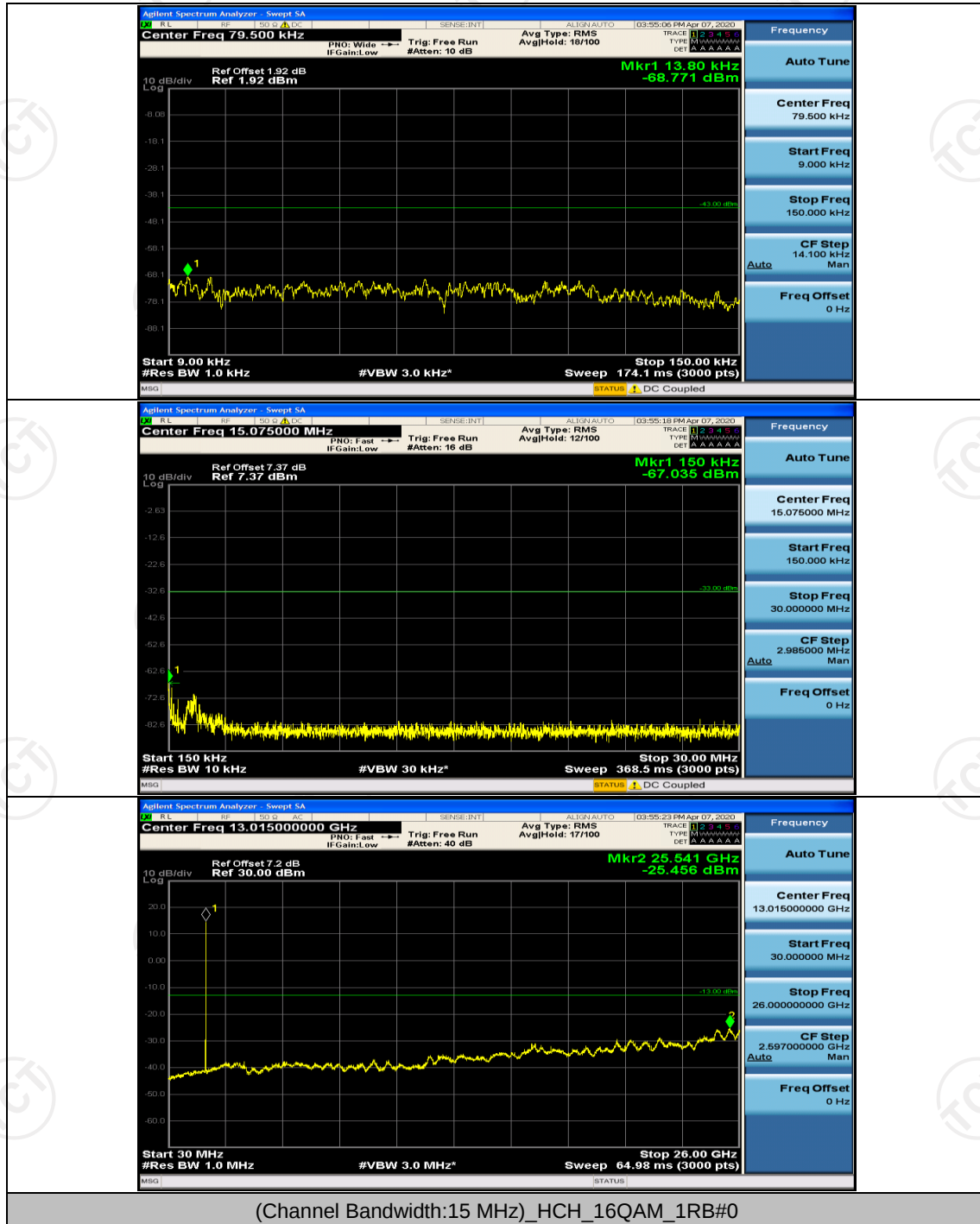


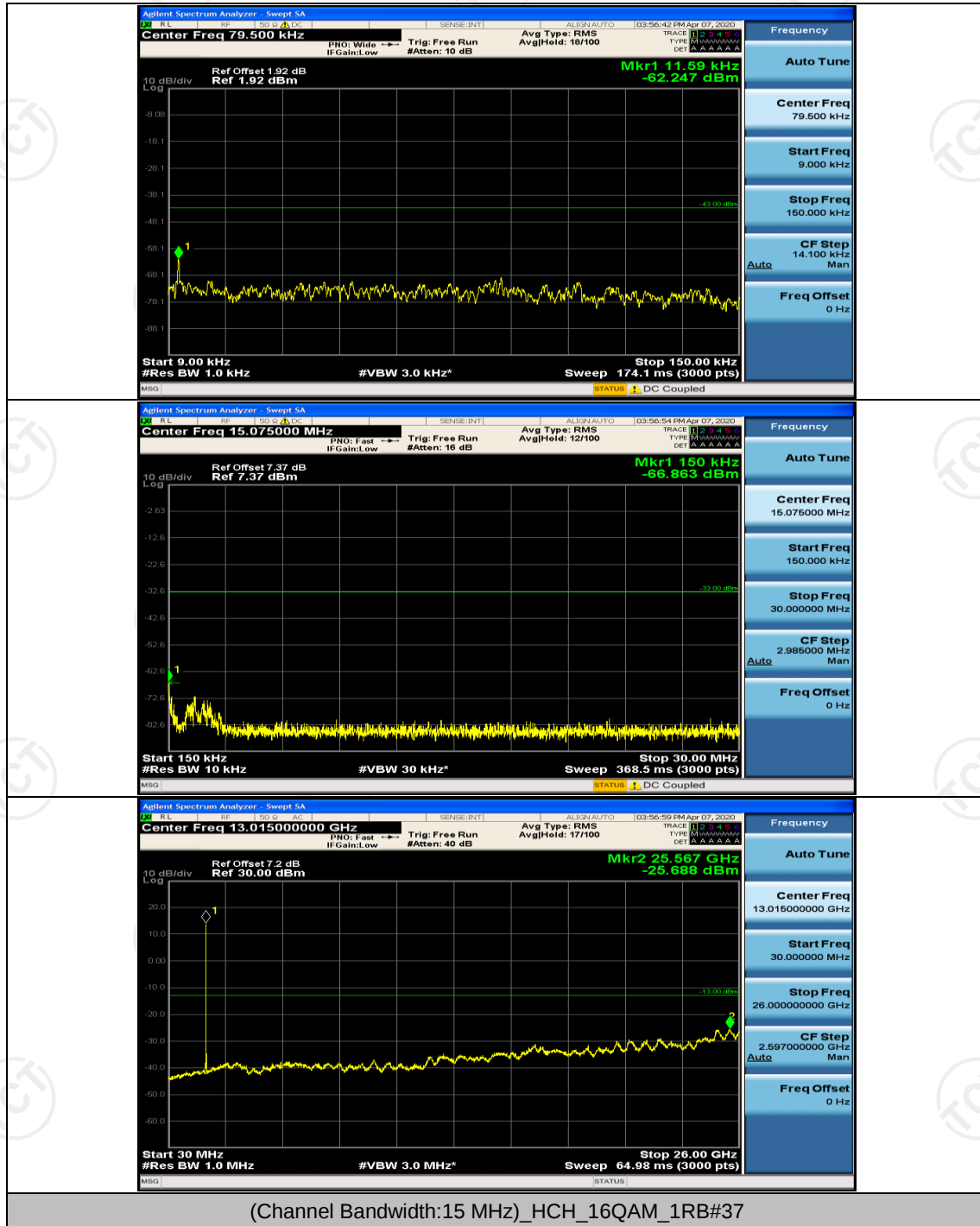


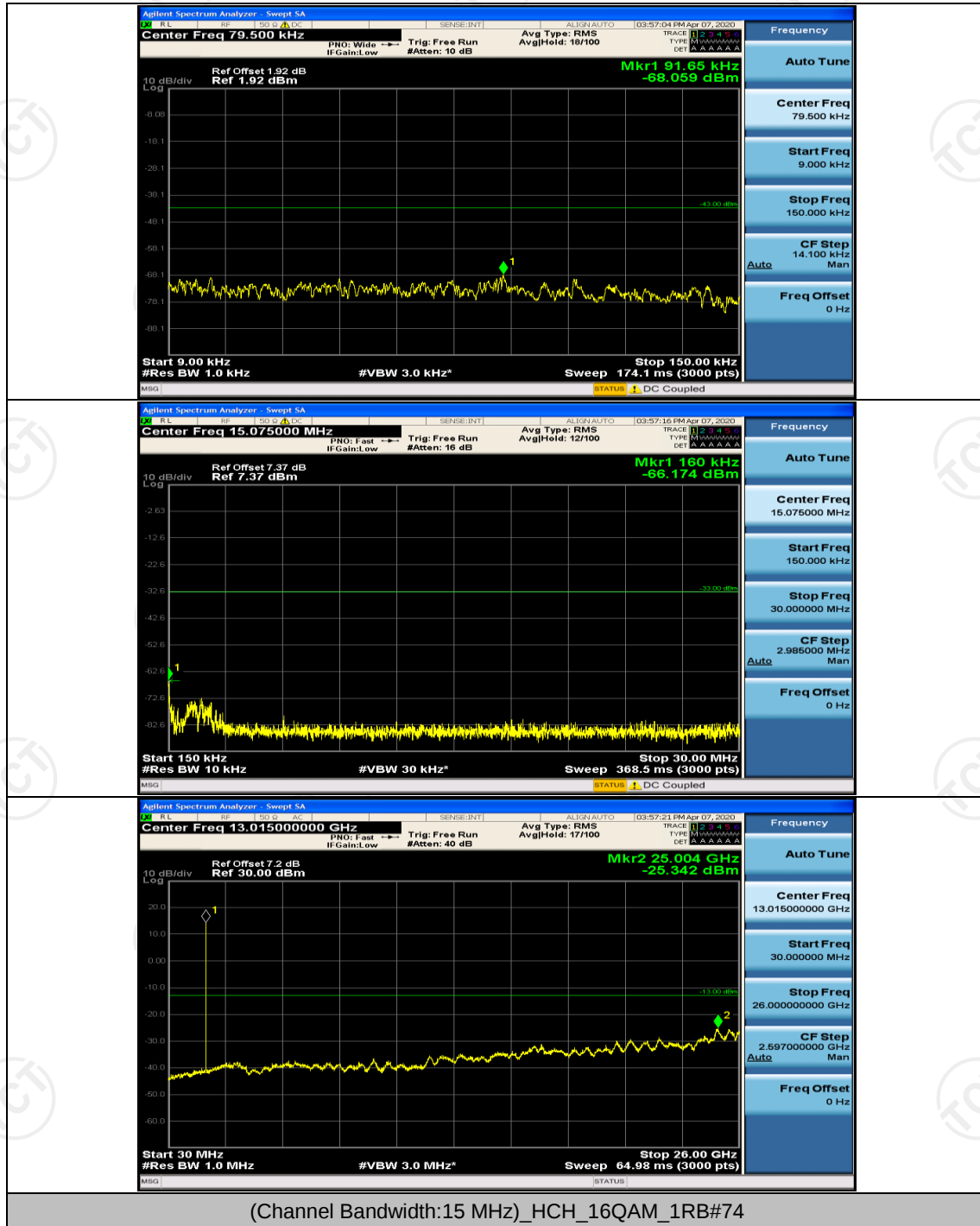


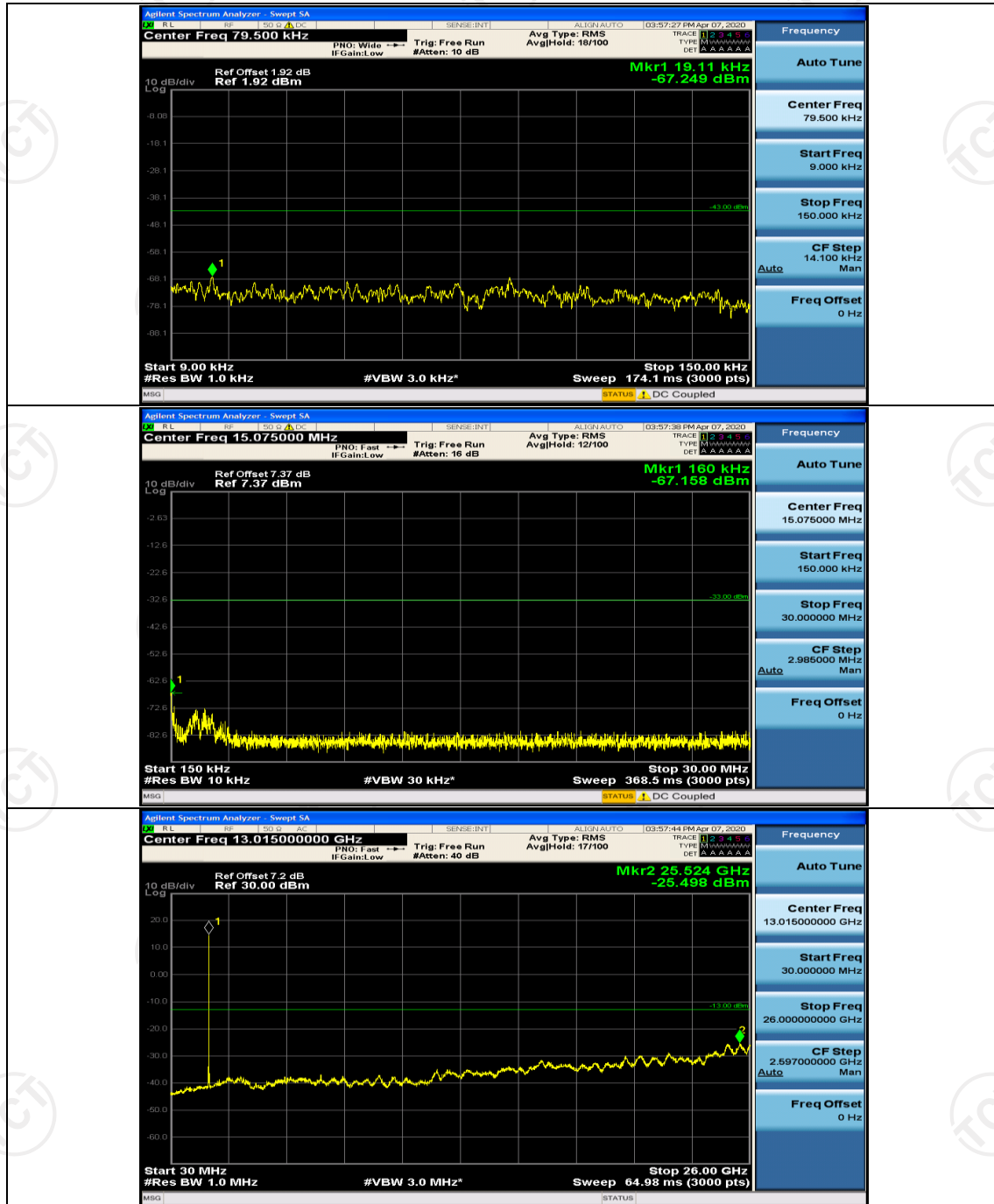




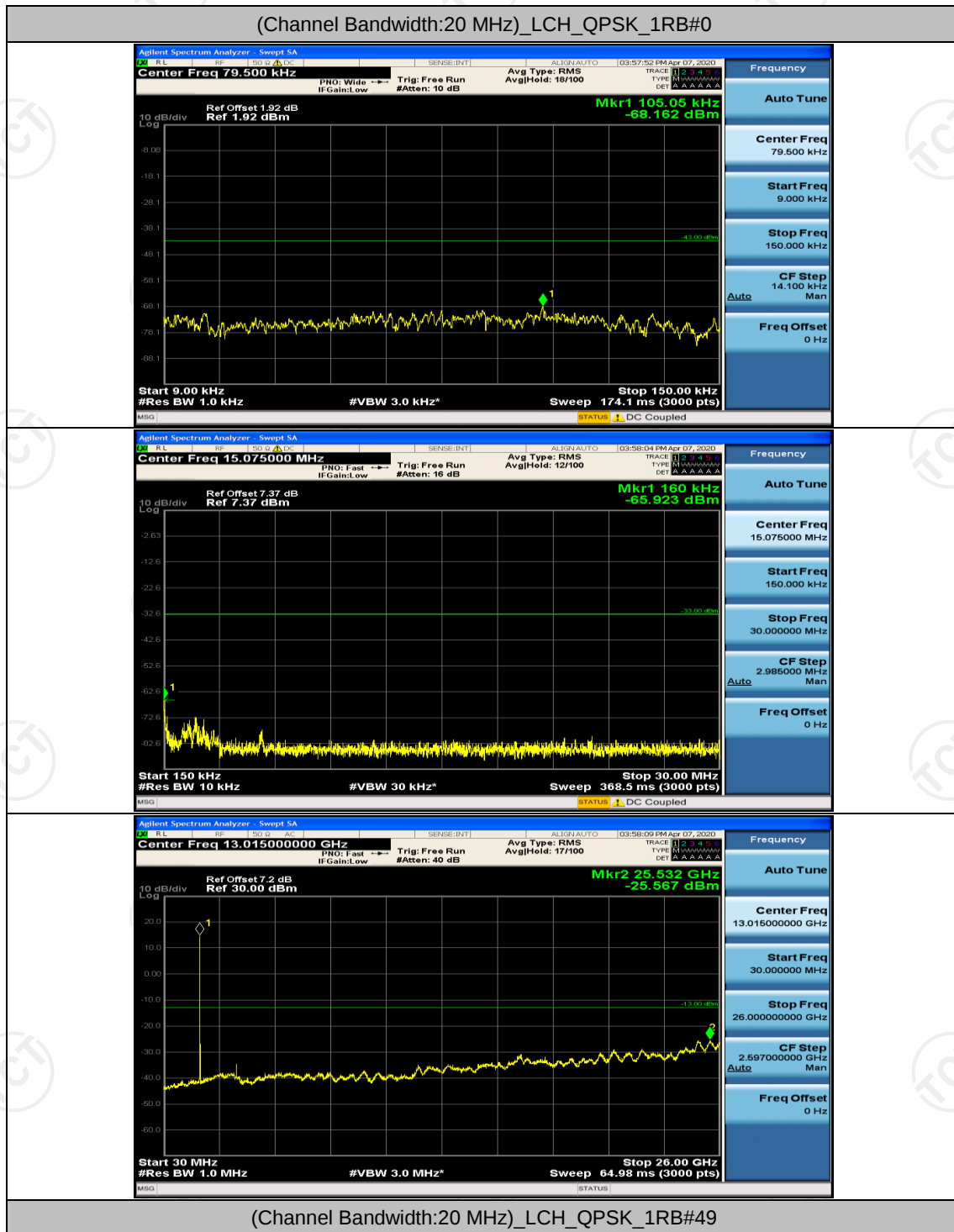


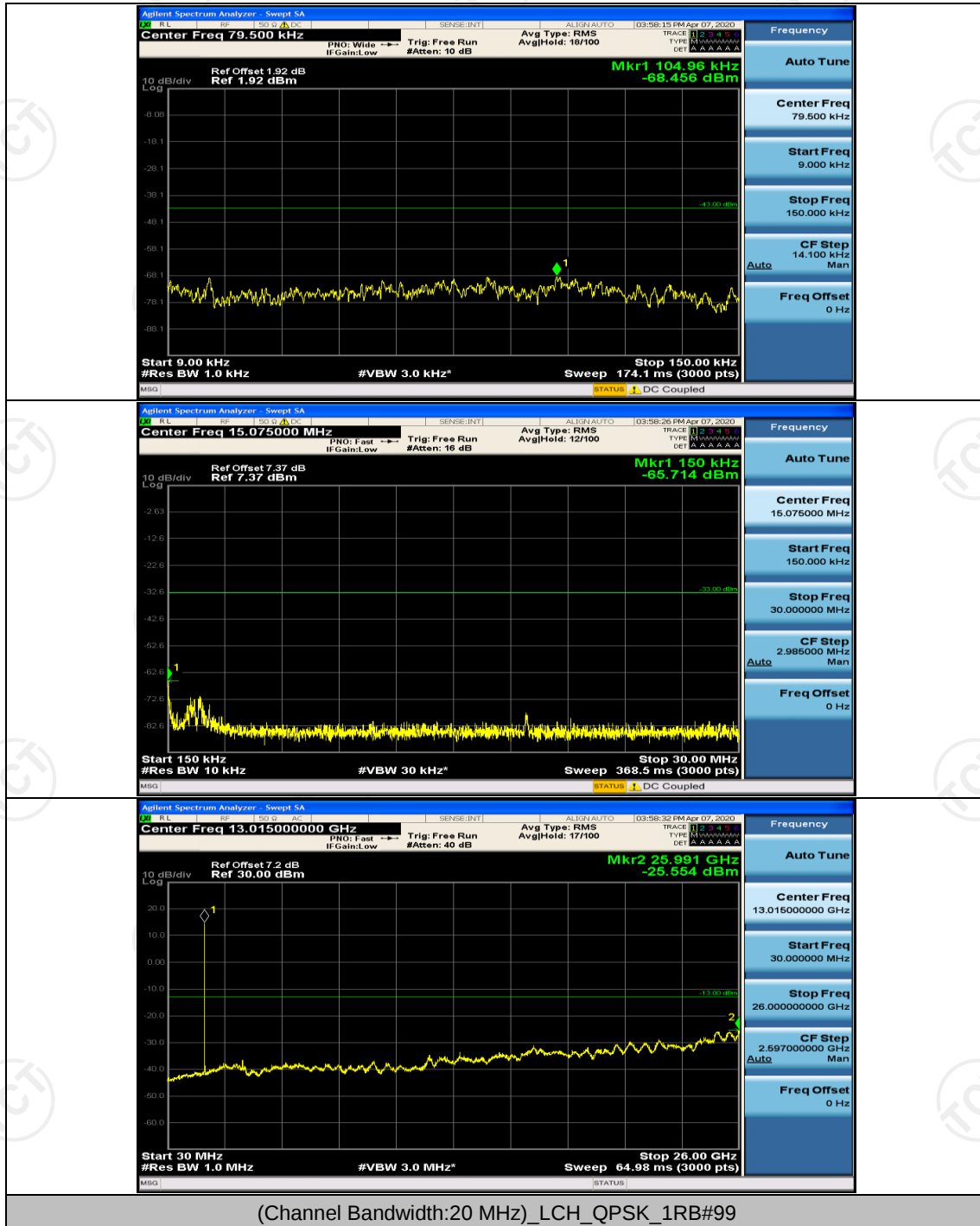


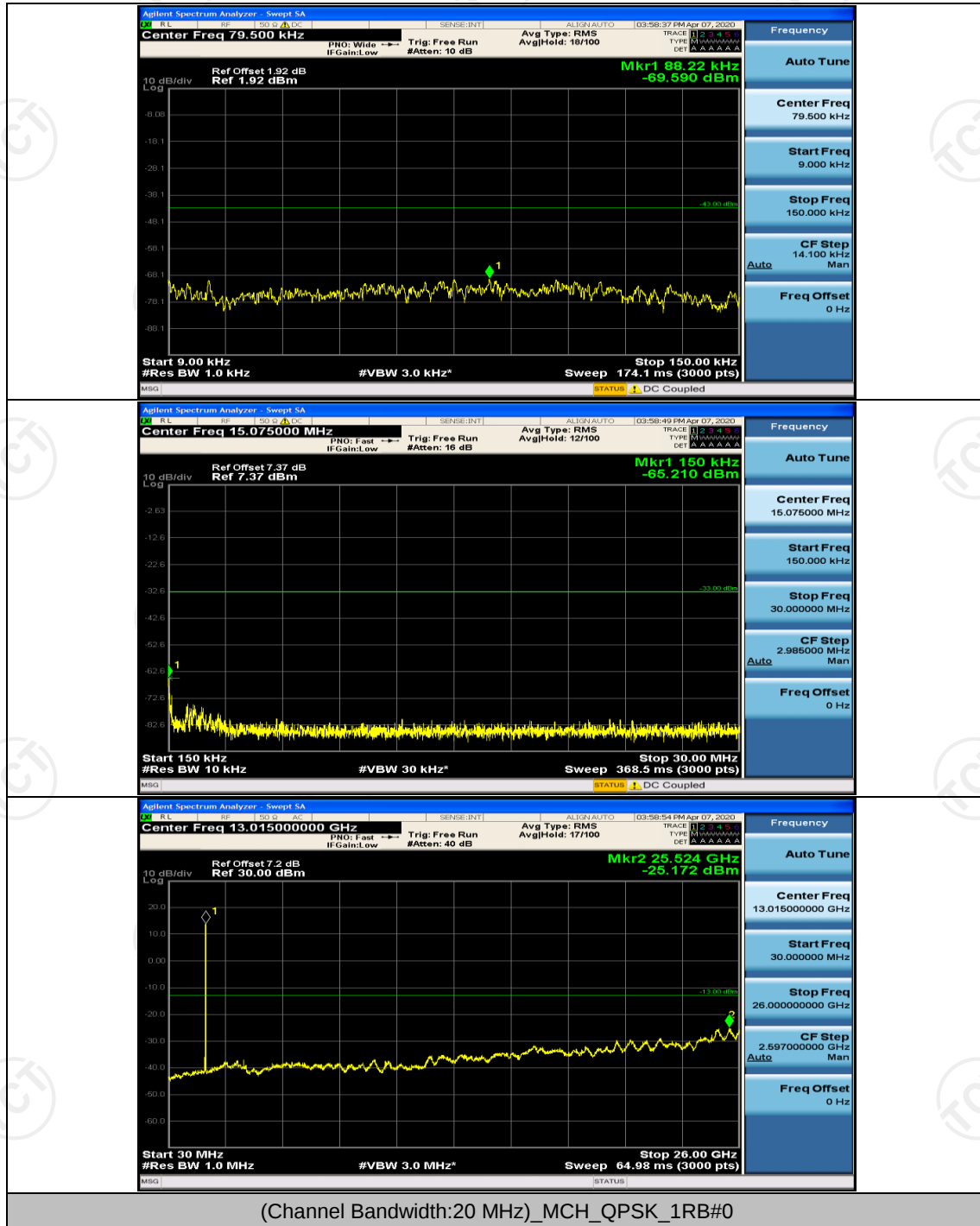


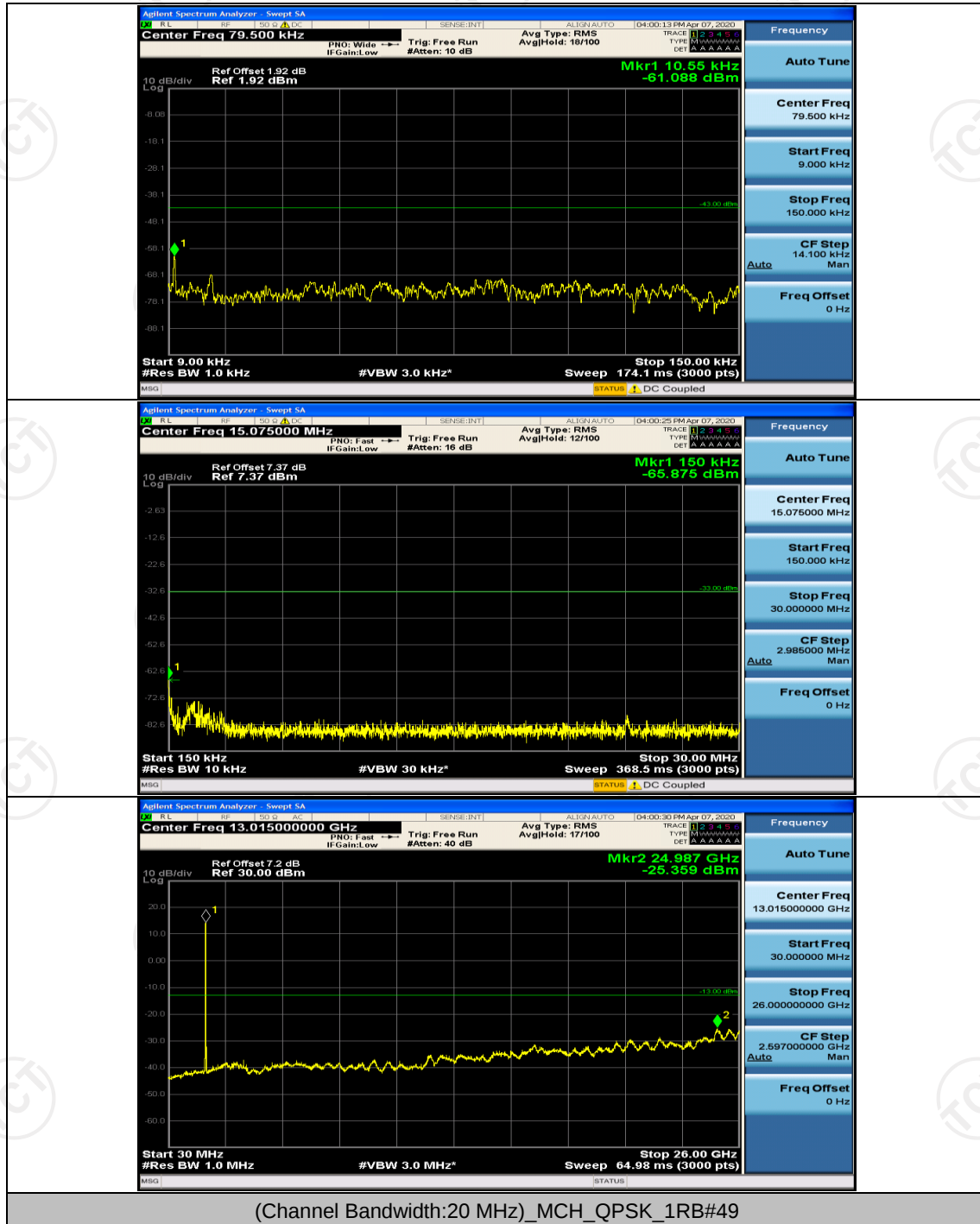


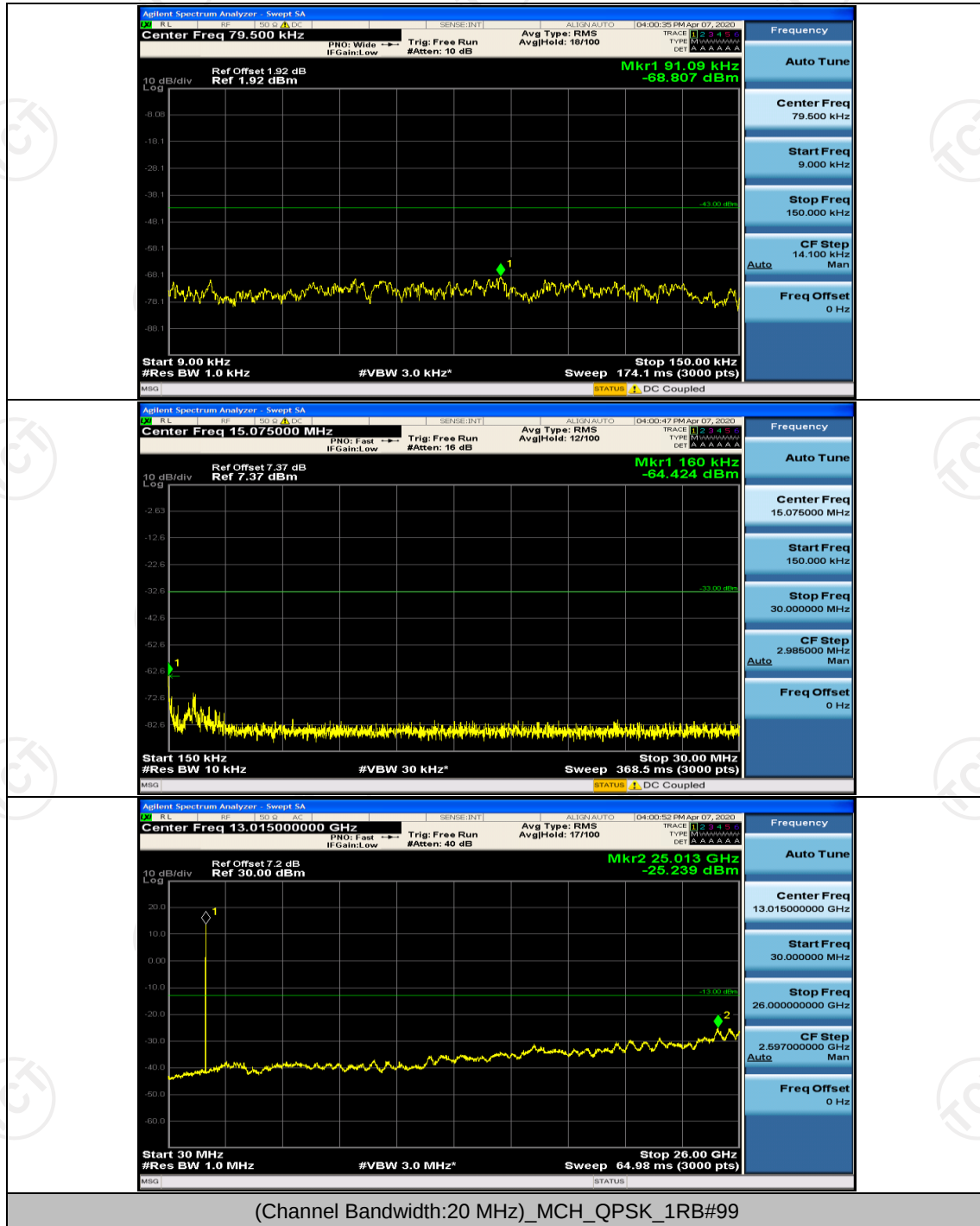
Channel Bandwidth: 20 MHz

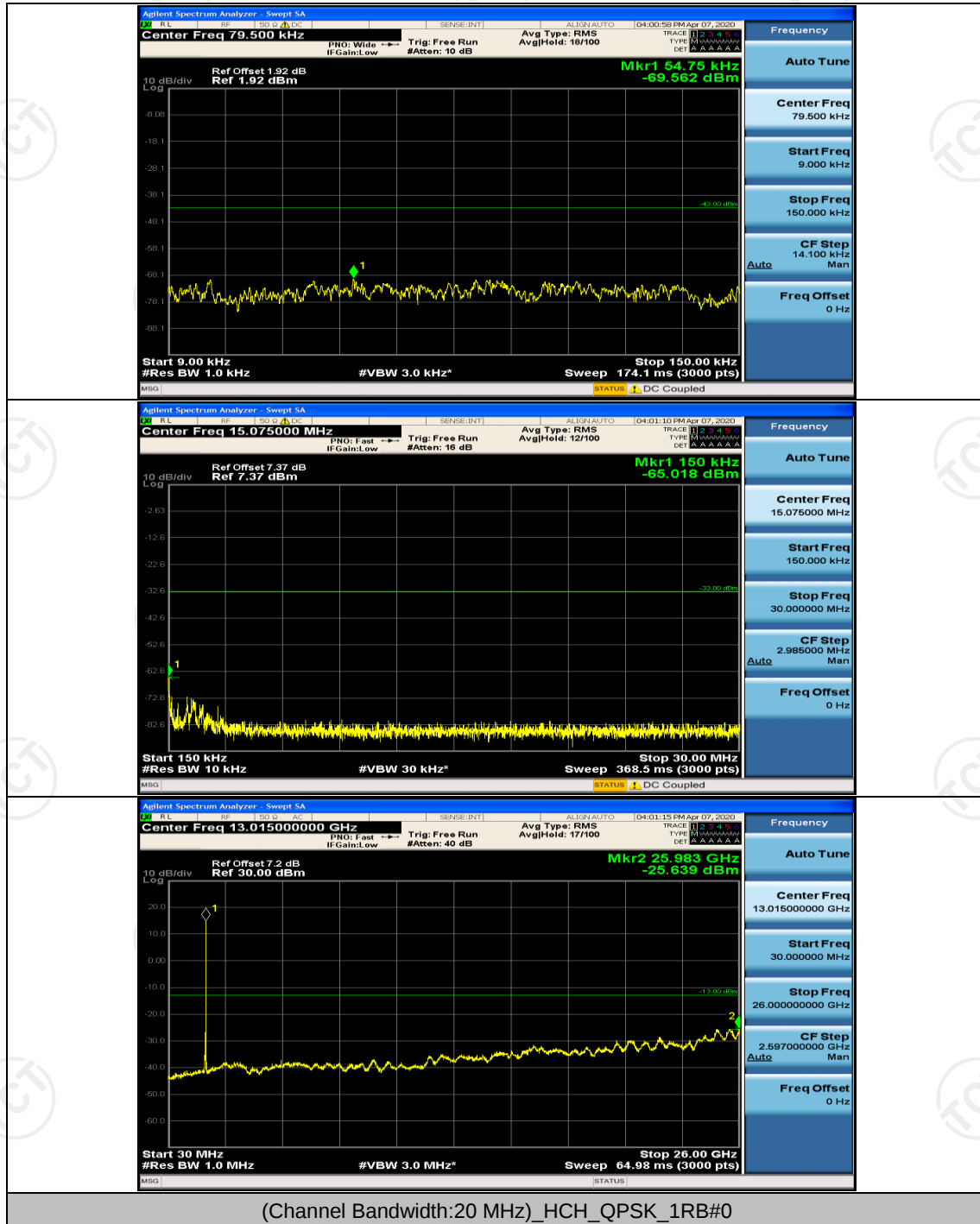


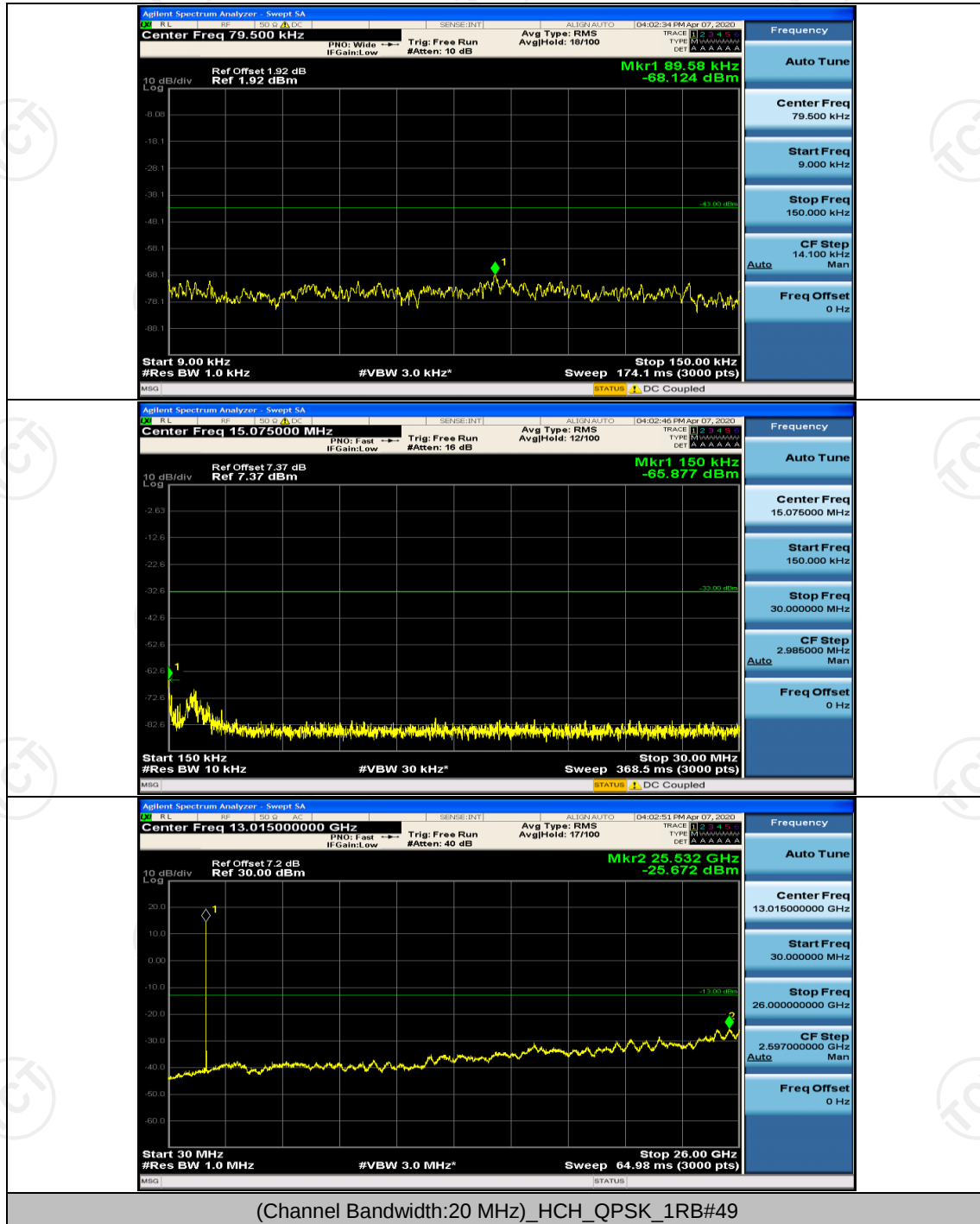


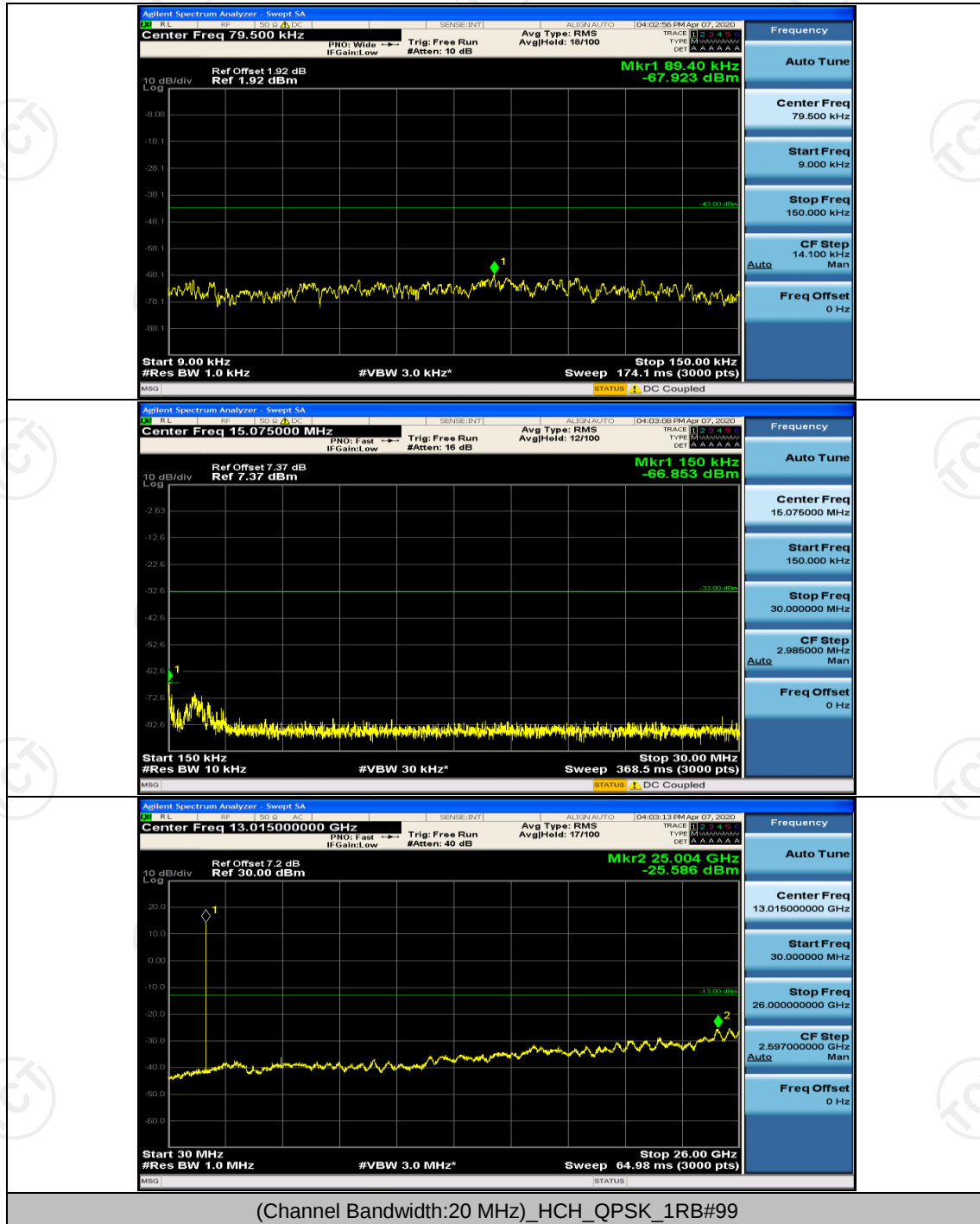


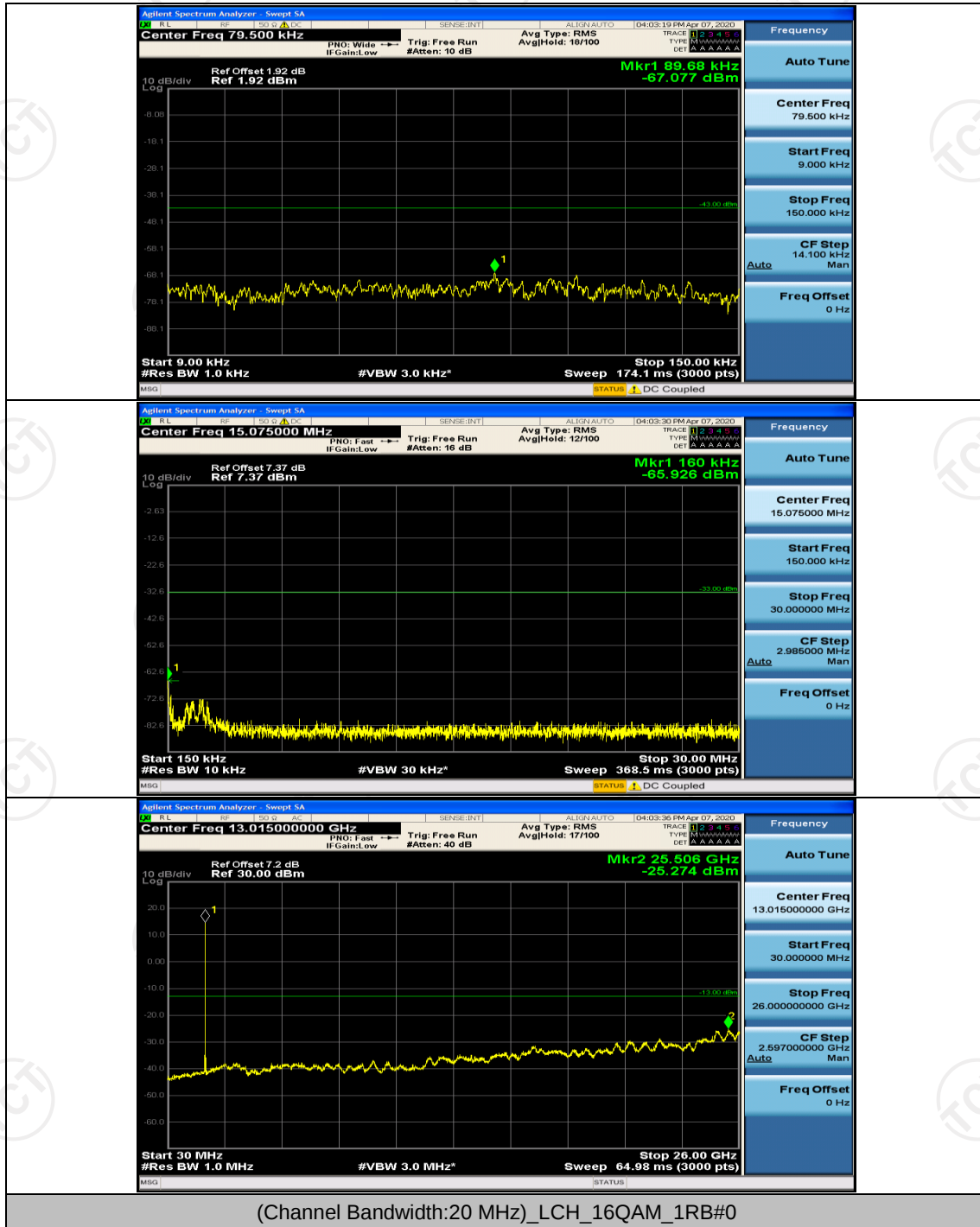


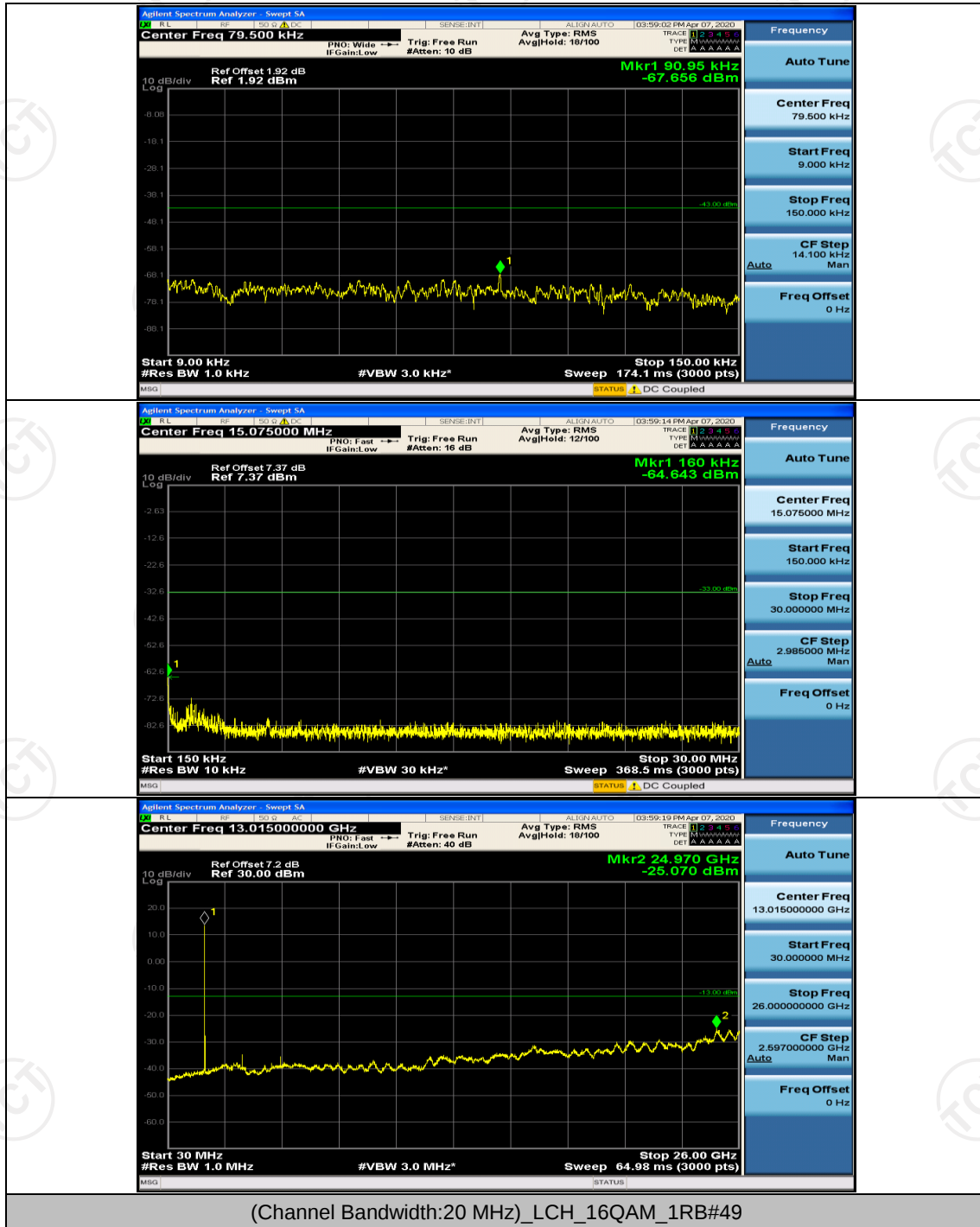


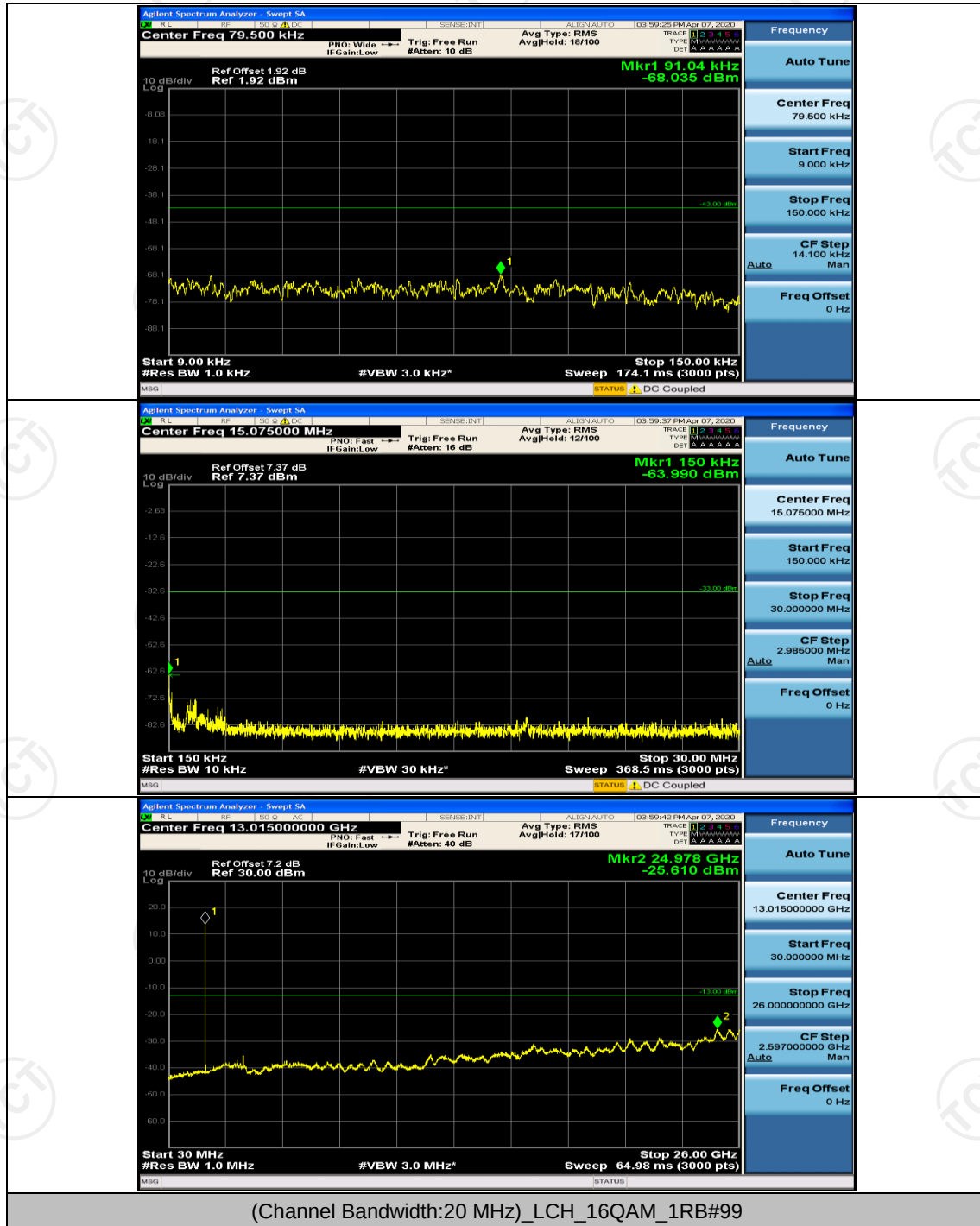


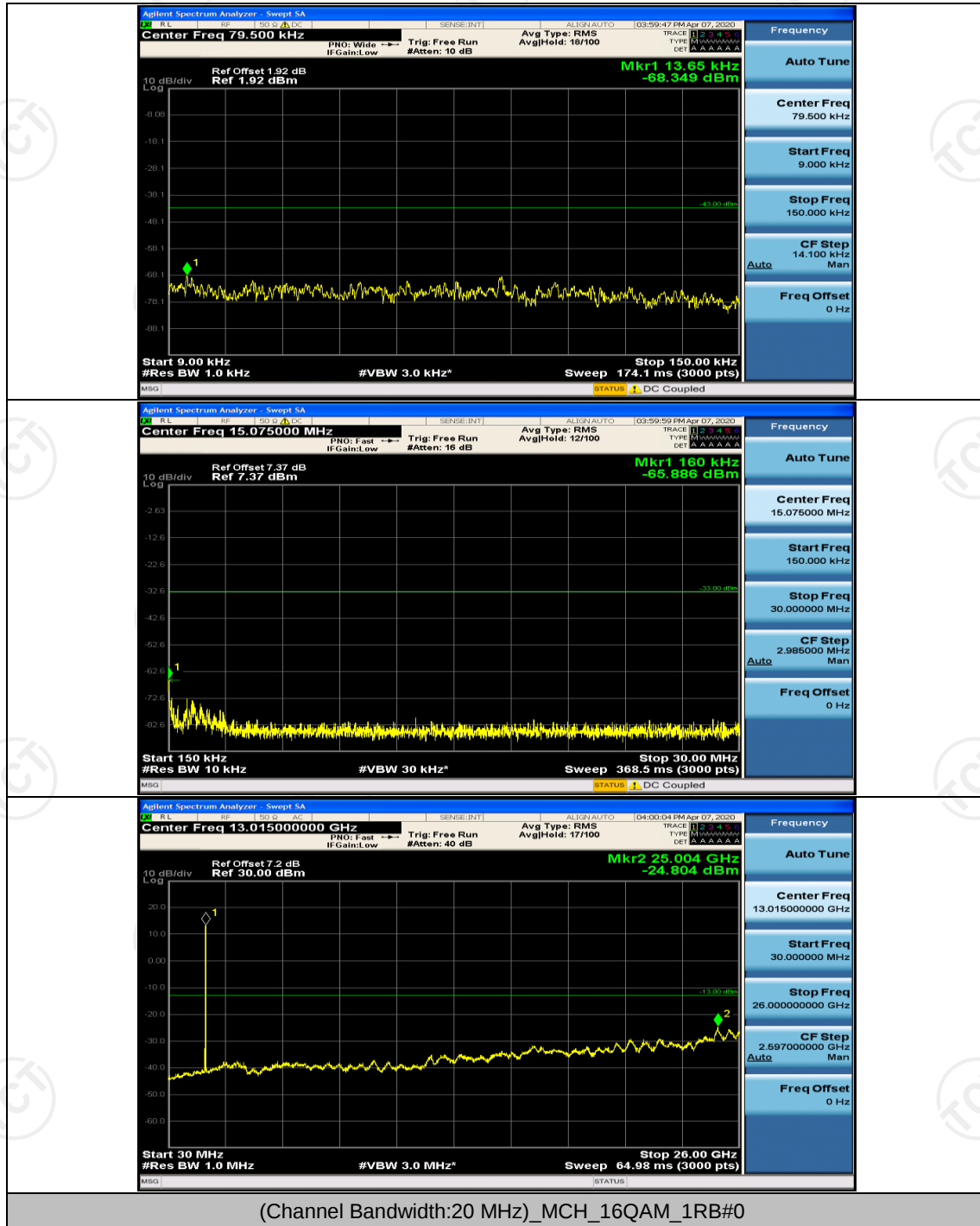


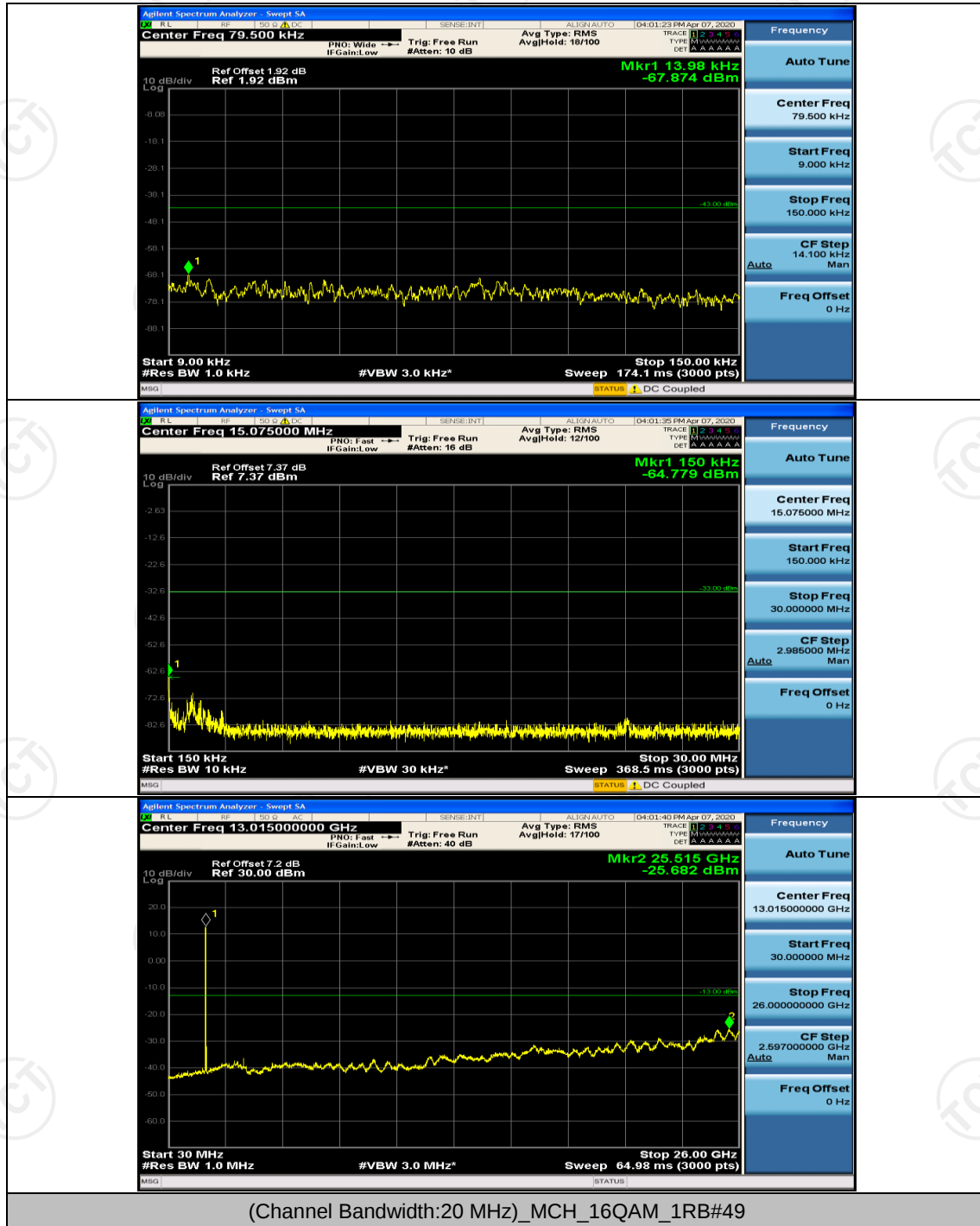


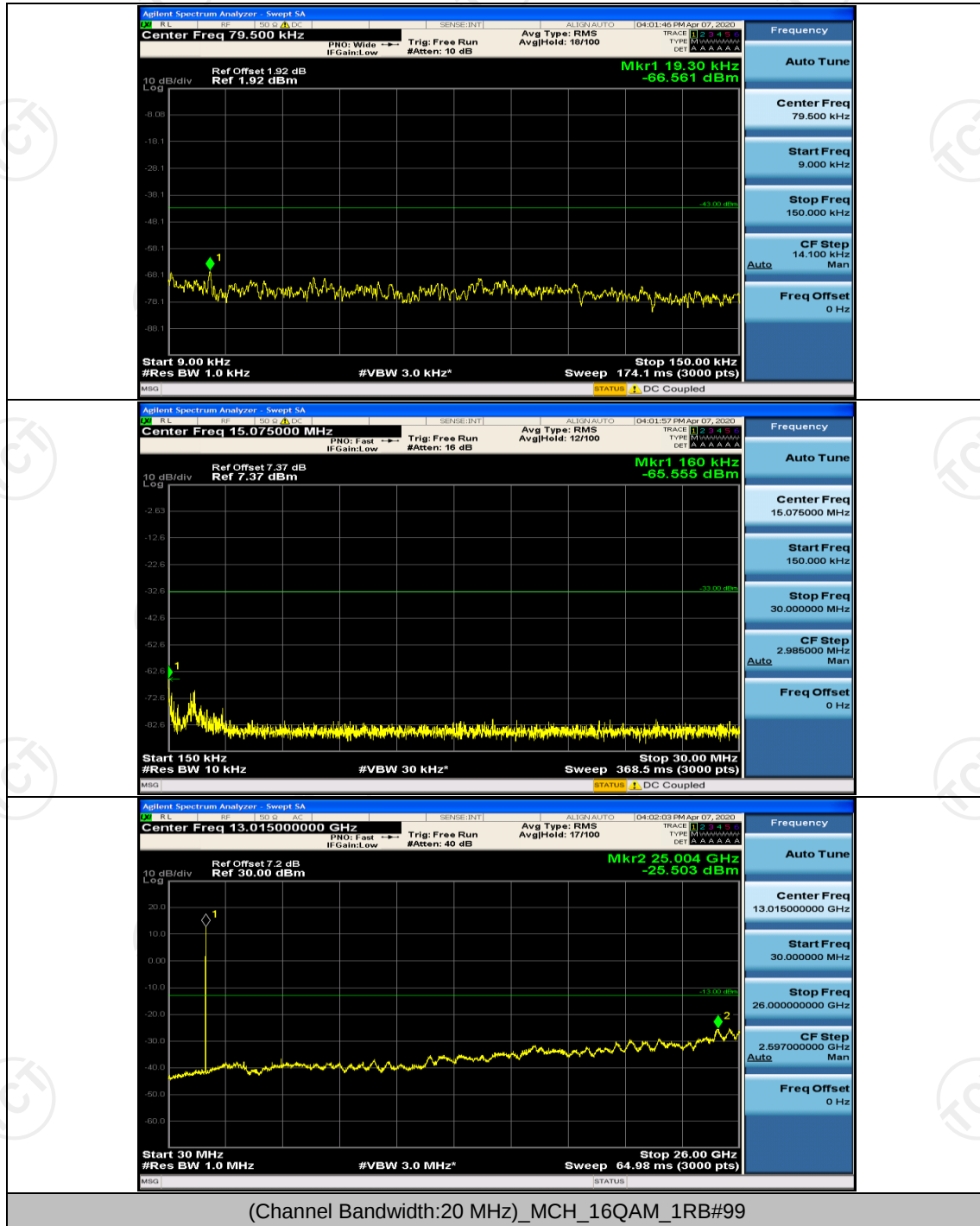


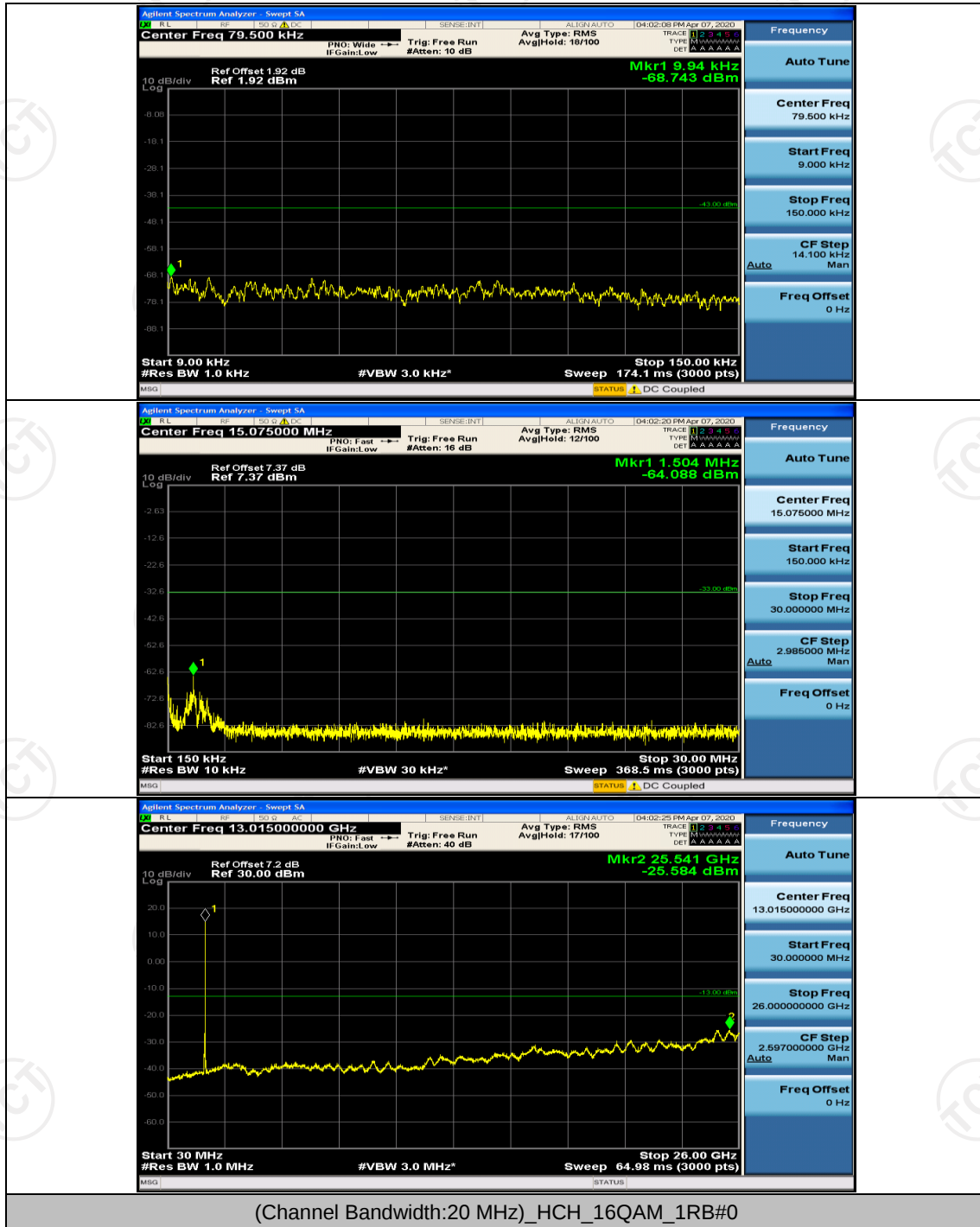


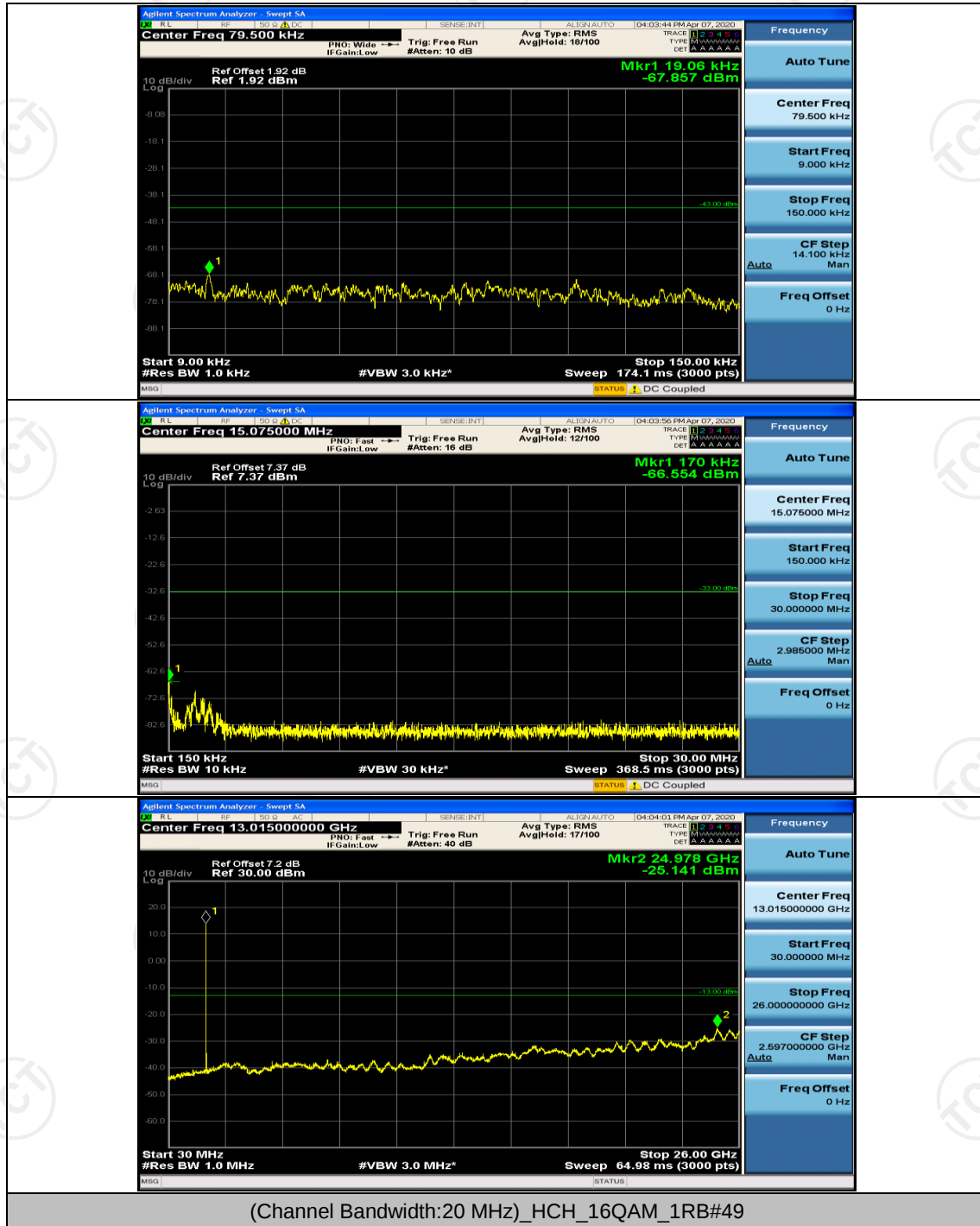


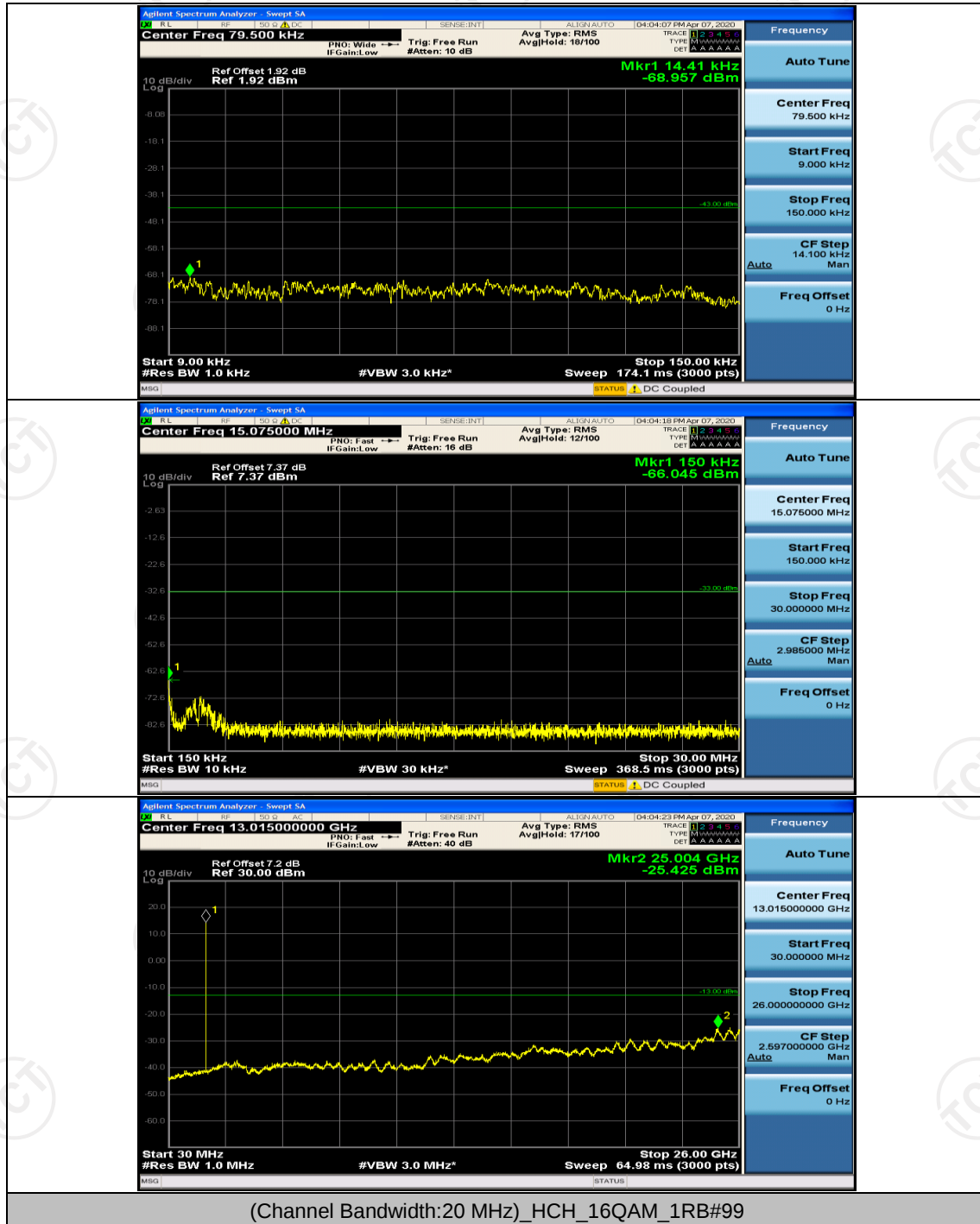


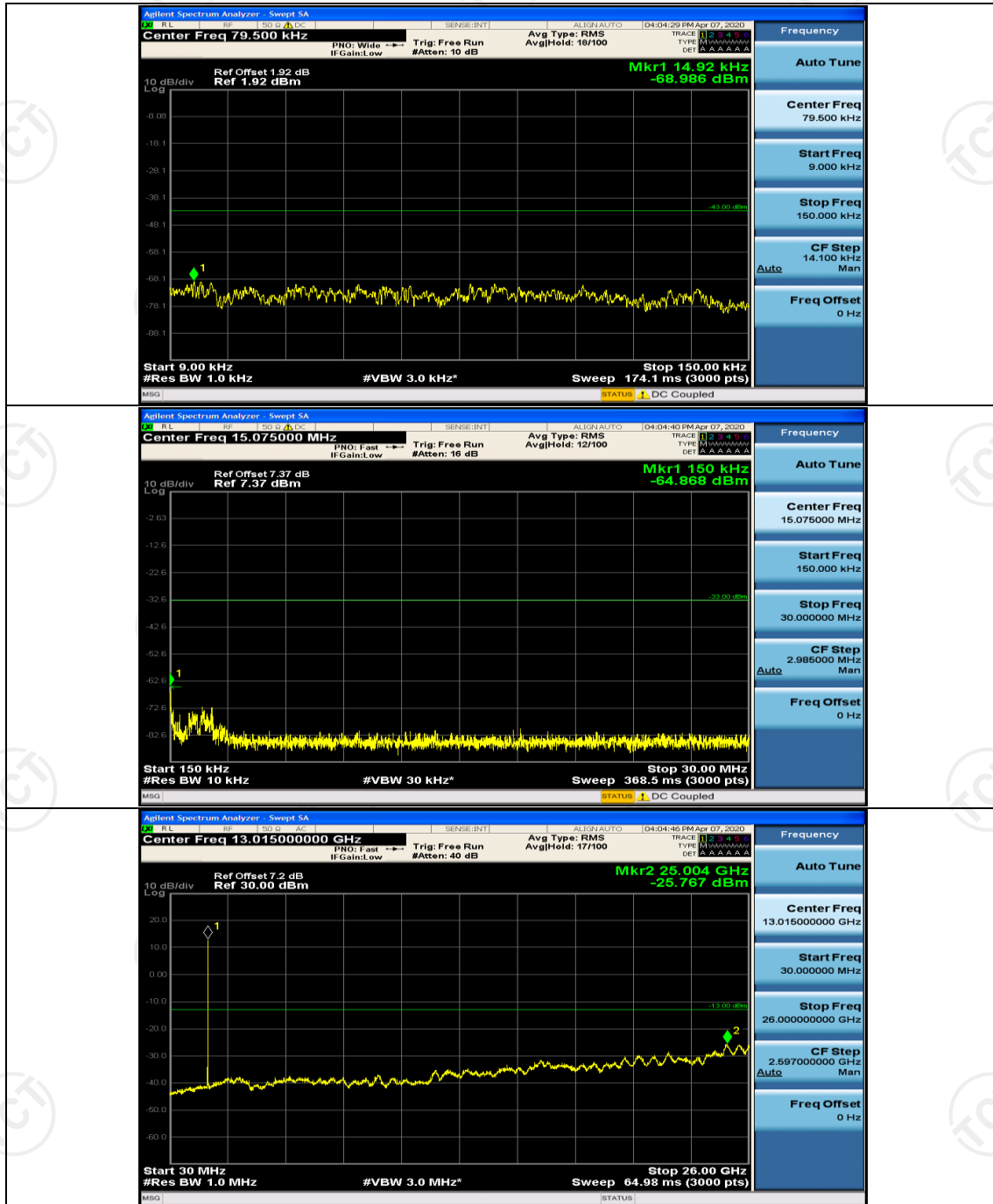












Appendix F: Frequency Stability

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	-1.89	-0.001154	± 2.5	PASS
		3.7	25	-1.75	-0.001020	± 2.5	PASS
		4.2	25	-1.62	-0.000964	± 2.5	PASS
	MCH	3.4	25	-1.51	-0.000893	± 2.5	PASS
		3.7	25	-9.48	-0.005404	± 2.5	PASS
		4.2	25	-9.57	-0.005631	± 2.5	PASS
	HCH	3.4	25	-9.83	-0.005864	± 2.5	PASS
		3.7	25	-12.15	-0.006826	± 2.5	PASS
		4.2	25	-12.34	-0.006940	± 2.5	PASS
16QAM	LCH	3.4	25	-12.50	-0.007106	± 2.5	PASS
		3.7	25	0.30	0.000176	± 2.5	PASS
		4.2	25	-0.08	-0.000112	± 2.5	PASS
	MCH	3.4	25	-1.21	-0.000309	± 2.5	PASS
		3.7	25	-4.56	-0.002600	± 2.5	PASS
		4.2	25	-4.68	-0.002765	± 2.5	PASS
	HCH	3.4	25	-4.83	-0.002893	± 2.5	PASS
		3.7	25	-2.09	-0.001174	± 2.5	PASS
		4.2	25	-2.17	-0.001230	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-4.05	-0.002591	± 2.5	PASS
		3.7	-20	-3.92	-0.002450	± 2.5	PASS
		3.7	-10	-3.79	-0.002357	± 2.5	PASS
		3.7	0	-3.67	-0.002293	± 2.5	PASS
		3.7	10	-3.54	-0.002130	± 2.5	PASS
		3.7	20	-3.39	-0.001982	± 2.5	PASS
		3.7	30	-0.83	-0.000485	± 2.5	PASS
		3.7	40	-2.50	-0.001463	± 2.5	PASS
		3.7	50	-3.33	-0.001948	± 2.5	PASS
	MCH	3.7	-30	-3.68	-0.002106	± 2.5	PASS
		3.7	-20	-3.76	-0.002301	± 2.5	PASS
		3.7	-10	-3.90	-0.002451	± 2.5	PASS
		3.7	0	-4.12	-0.002639	± 2.5	PASS
		3.7	10	-4.36	-0.002891	± 2.5	PASS

		3.7	20	-6.21	-0.003538	± 2.5	PASS
		3.7	30	-6.48	-0.003692	± 2.5	PASS
		3.7	40	-6.42	-0.003660	± 2.5	PASS
		3.7	50	-6.09	-0.003472	± 2.5	PASS
	HCH	3.7	-30	-6.21	-0.003593	± 2.5	PASS
		3.7	-20	-6.40	-0.003705	± 2.5	PASS
		3.7	-10	-6.62	-0.003991	± 2.5	PASS
		3.7	0	-6.76	-0.004107	± 2.5	PASS
		3.7	10	-7.01	-0.004352	± 2.5	PASS
		3.7	20	-5.54	-0.003111	± 2.5	PASS
		3.7	30	-5.76	-0.003240	± 2.5	PASS
		3.7	40	-4.16	-0.002340	± 2.5	PASS
		3.7	50	-6.48	-0.003642	± 2.5	PASS
16QAM	LCH	3.7	-30	-6.69	-0.003860	± 2.5	PASS
		3.7	-20	-6.92	-0.004036	± 2.5	PASS
		3.7	-10	-7.14	-0.004139	± 2.5	PASS
		3.7	0	-7.35	-0.004308	± 2.5	PASS
		3.7	10	-7.59	-0.004514	± 2.5	PASS
		3.7	20	-2.56	-0.001497	± 2.5	PASS
		3.7	30	-2.50	-0.001463	± 2.5	PASS
		3.7	40	-2.43	-0.001422	± 2.5	PASS
		3.7	50	-1.54	-0.000903	± 2.5	PASS
	MCH	3.7	-30	-1.69	-0.001085	± 2.5	PASS
		3.7	-20	-1.82	-0.001120	± 2.5	PASS
		3.7	-10	-1.95	-0.001297	± 2.5	PASS
		3.7	0	-2.06	-0.001348	± 2.5	PASS
		3.7	10	-6.90	-0.004012	± 2.5	PASS
		3.7	20	-6.79	-0.003872	± 2.5	PASS
		3.7	30	-8.91	-0.005078	± 2.5	PASS
		3.7	40	-8.24	-0.004695	± 2.5	PASS
		3.7	50	-8.18	-0.004662	± 2.5	PASS
	HCH	3.7	-30	-8.35	-0.004809	± 2.5	PASS
		3.7	-20	-8.61	-0.005014	± 2.5	PASS
		3.7	-10	-8.76	-0.005129	± 2.5	PASS
		3.7	0	-9.03	-0.005207	± 2.5	PASS
		3.7	10	-9.11	-0.005362	± 2.5	PASS
		3.7	20	-3.39	-0.001905	± 2.5	PASS
		3.7	30	-8.53	-0.004792	± 2.5	PASS
		3.7	40	-6.41	-0.003602	± 2.5	PASS
		3.7	50	-5.44	-0.003055	± 2.5	PASS