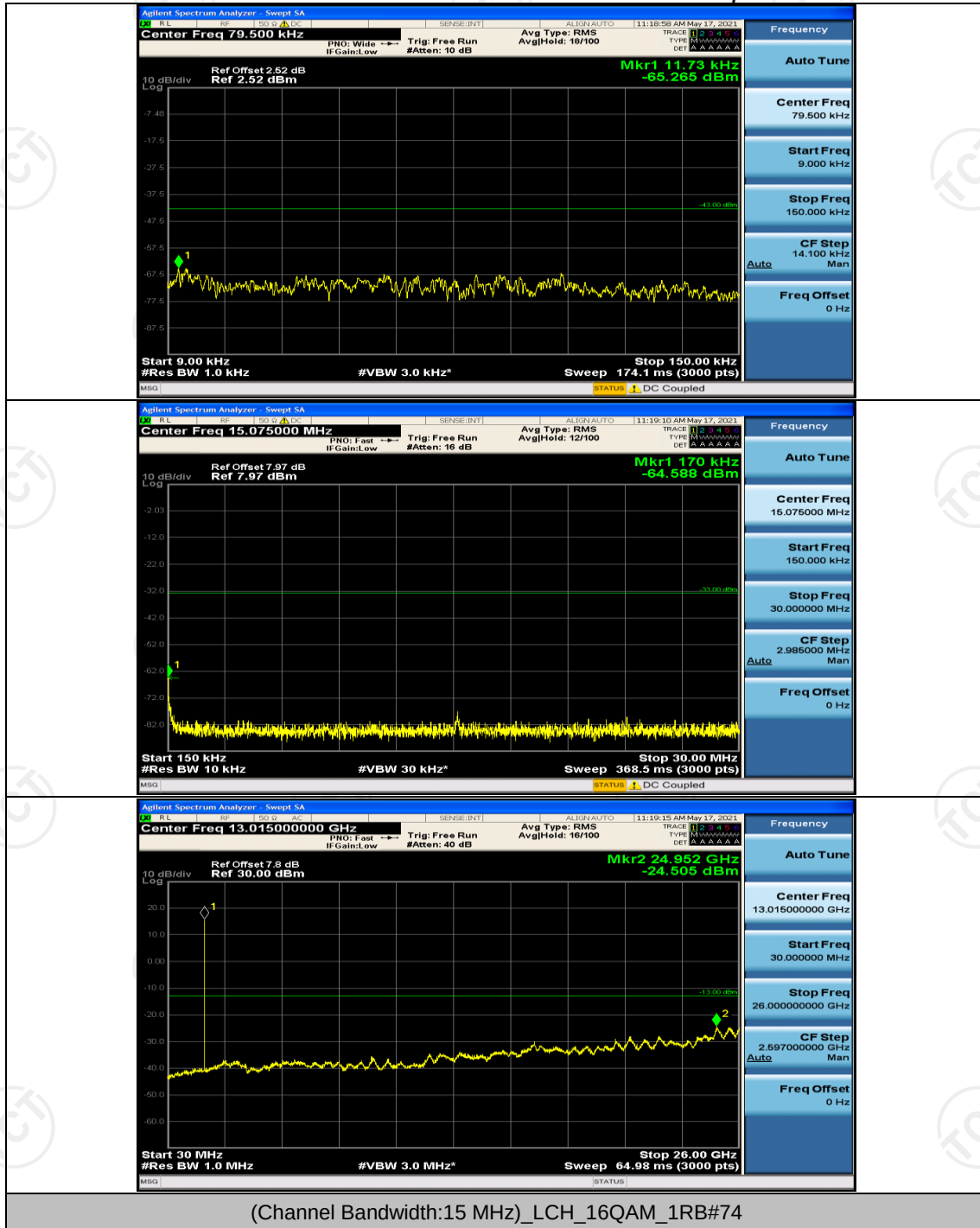
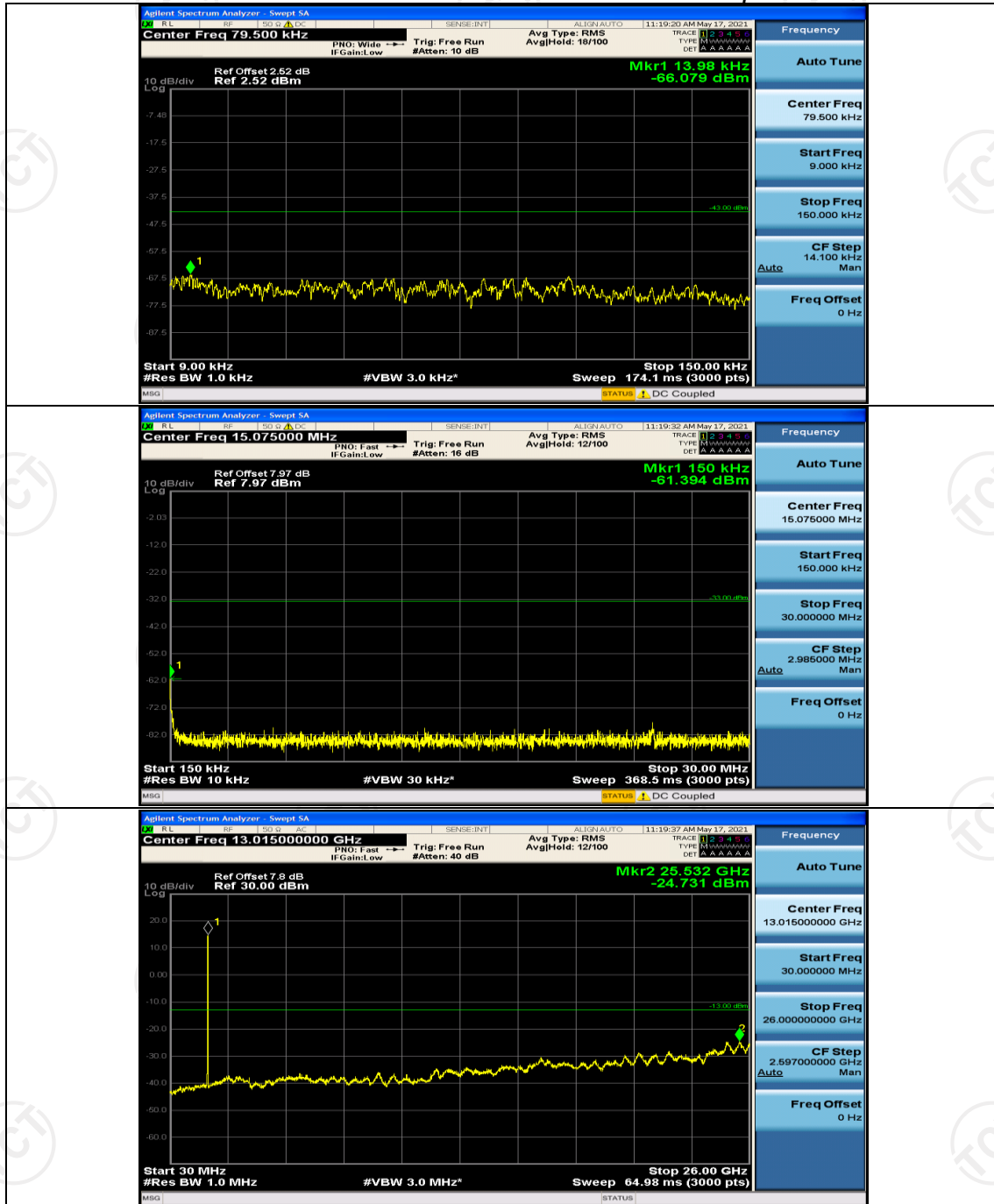
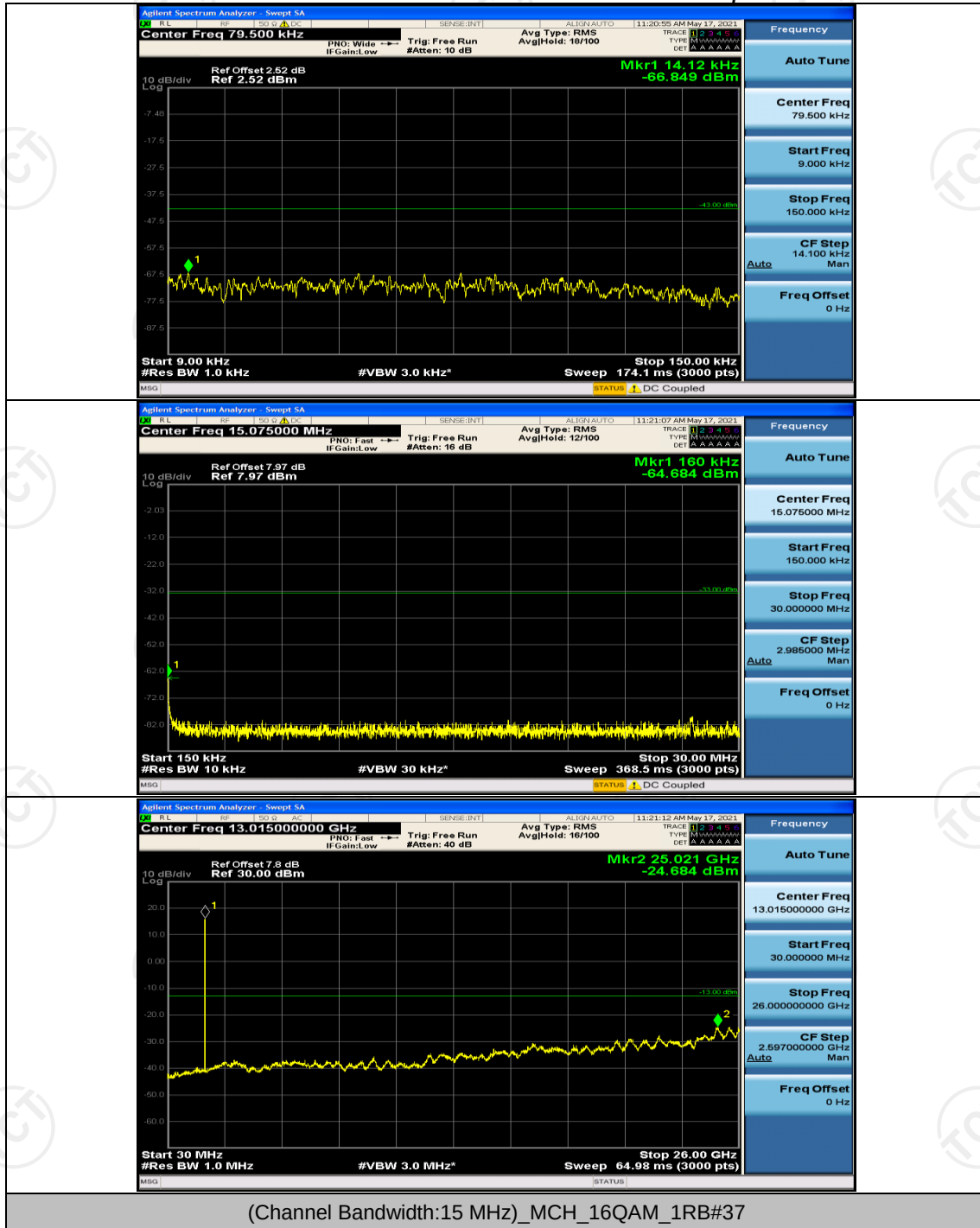
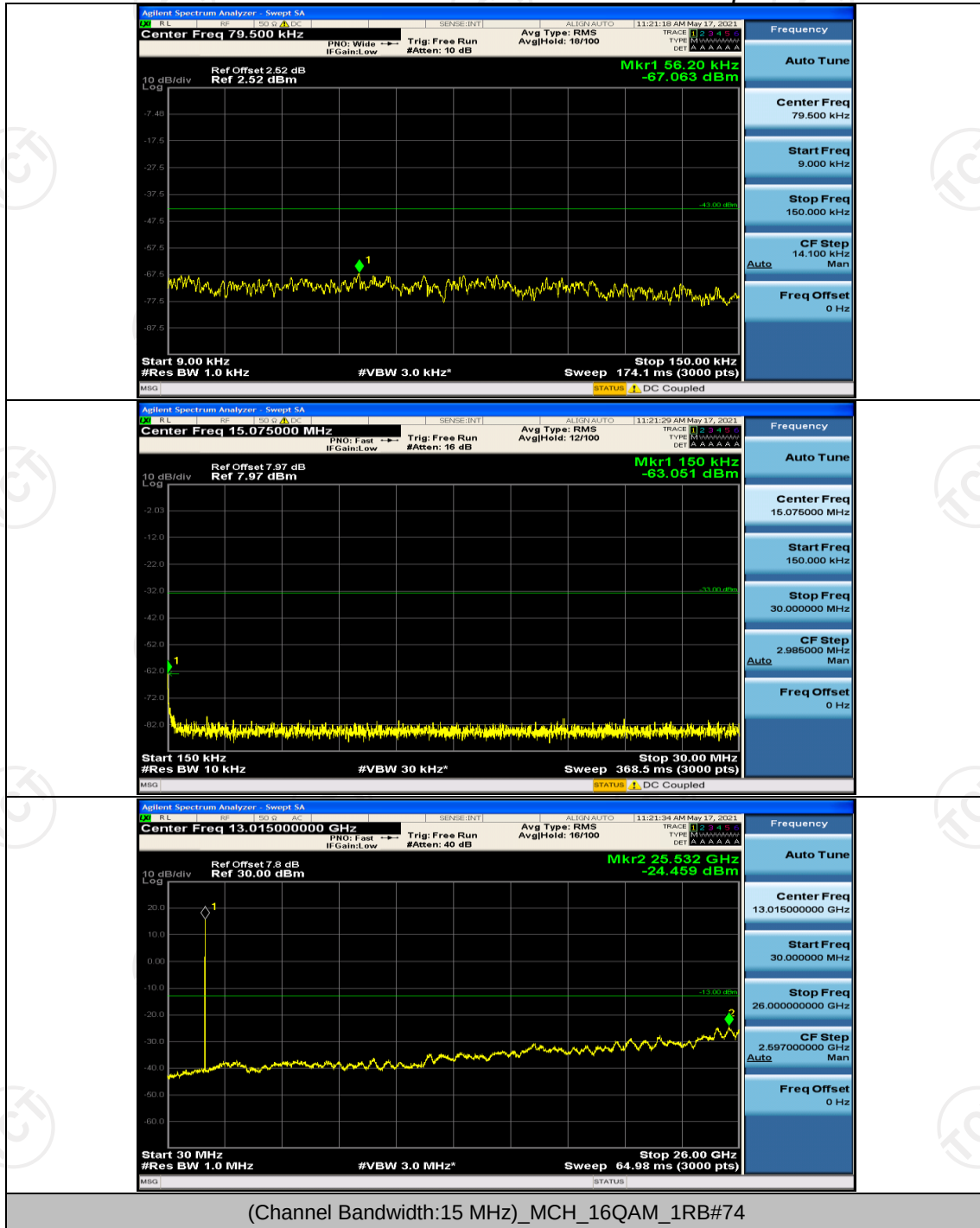


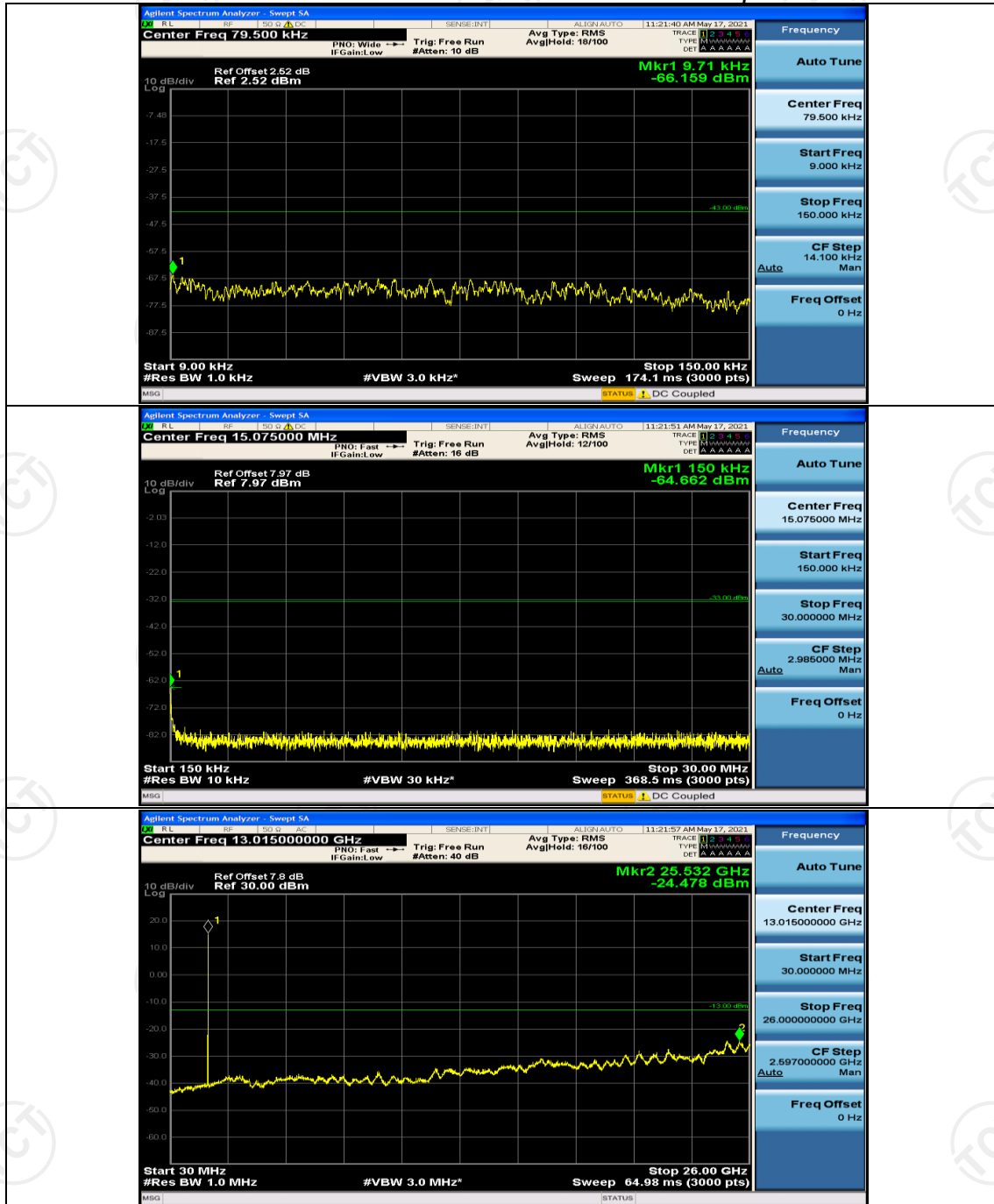




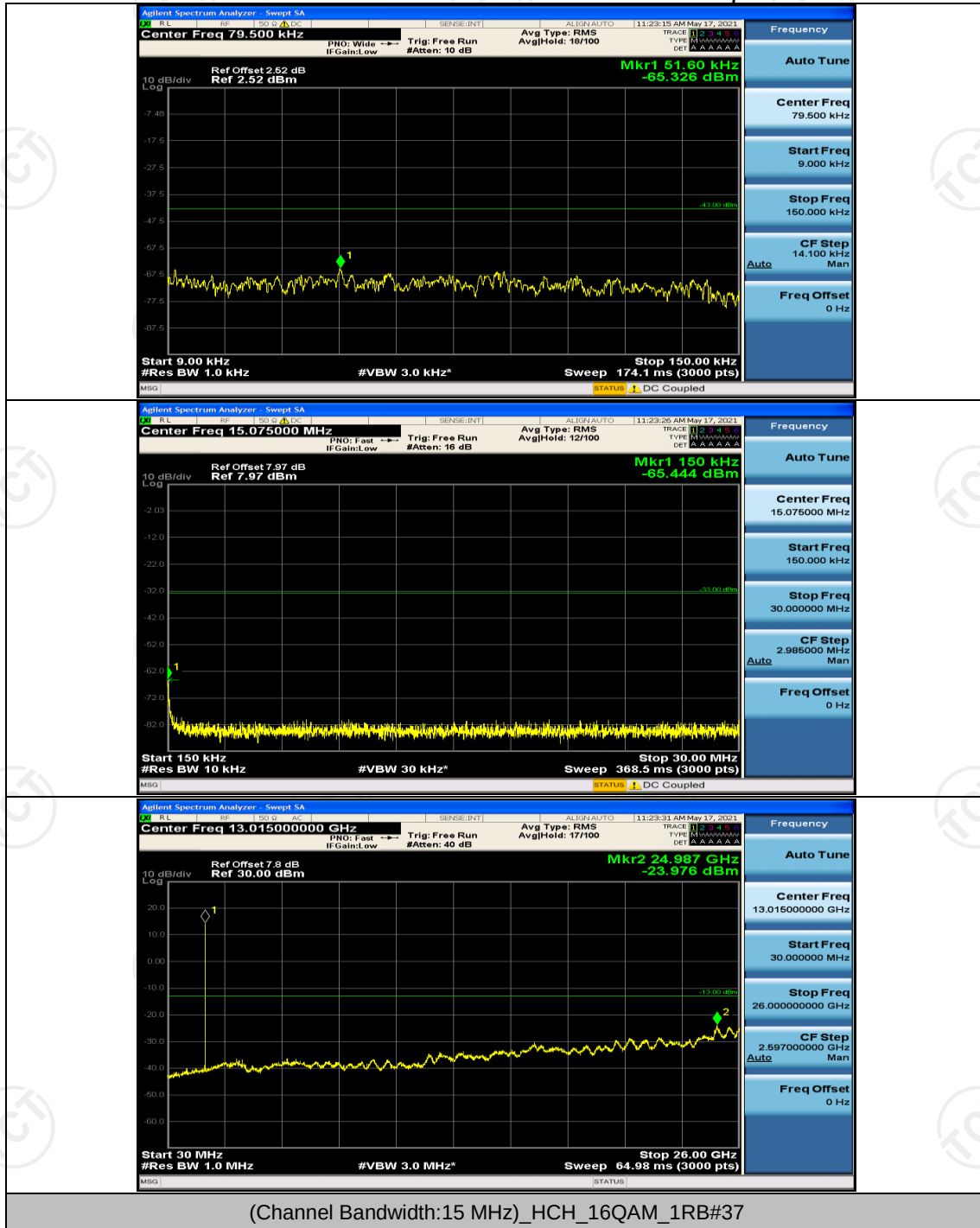
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

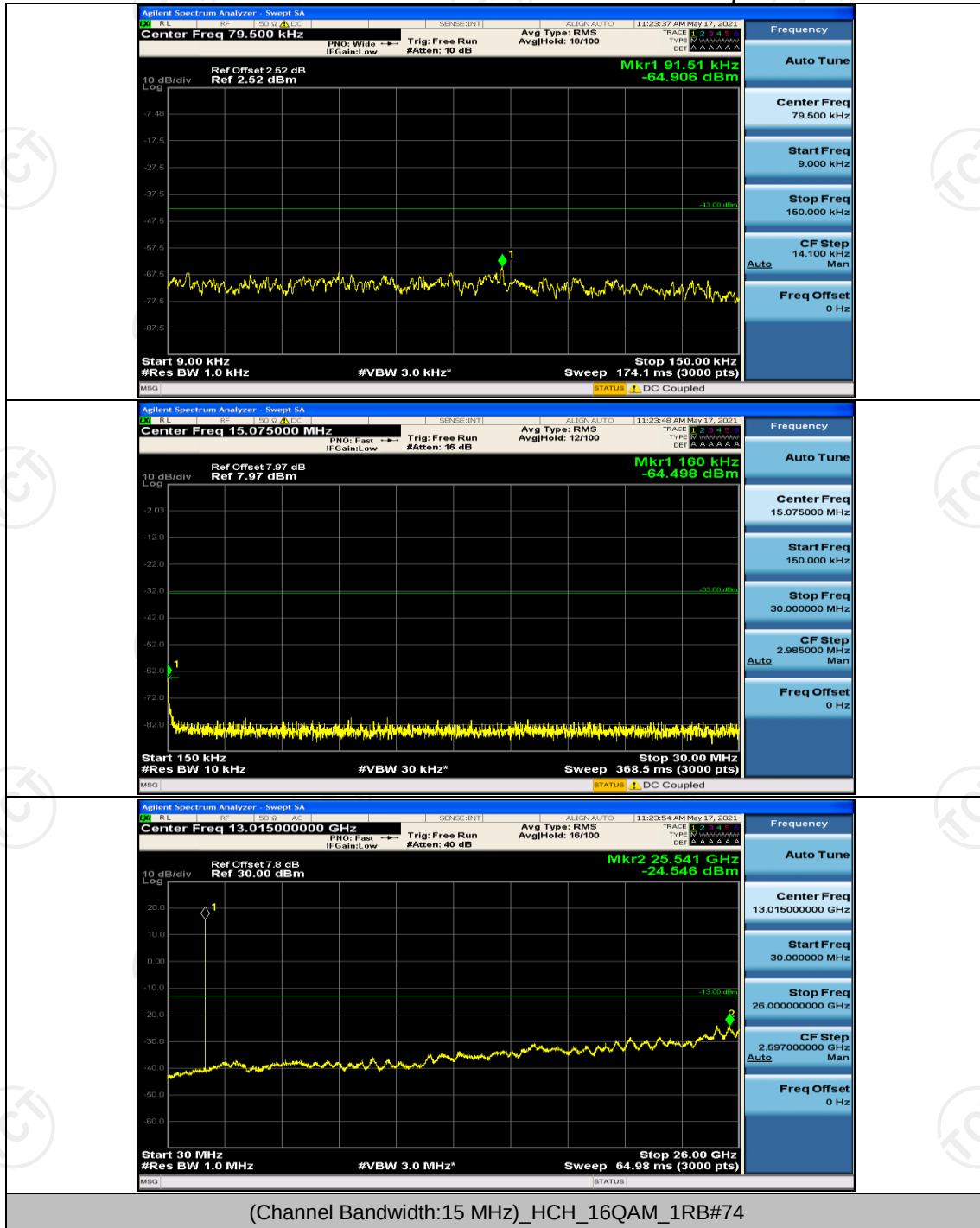


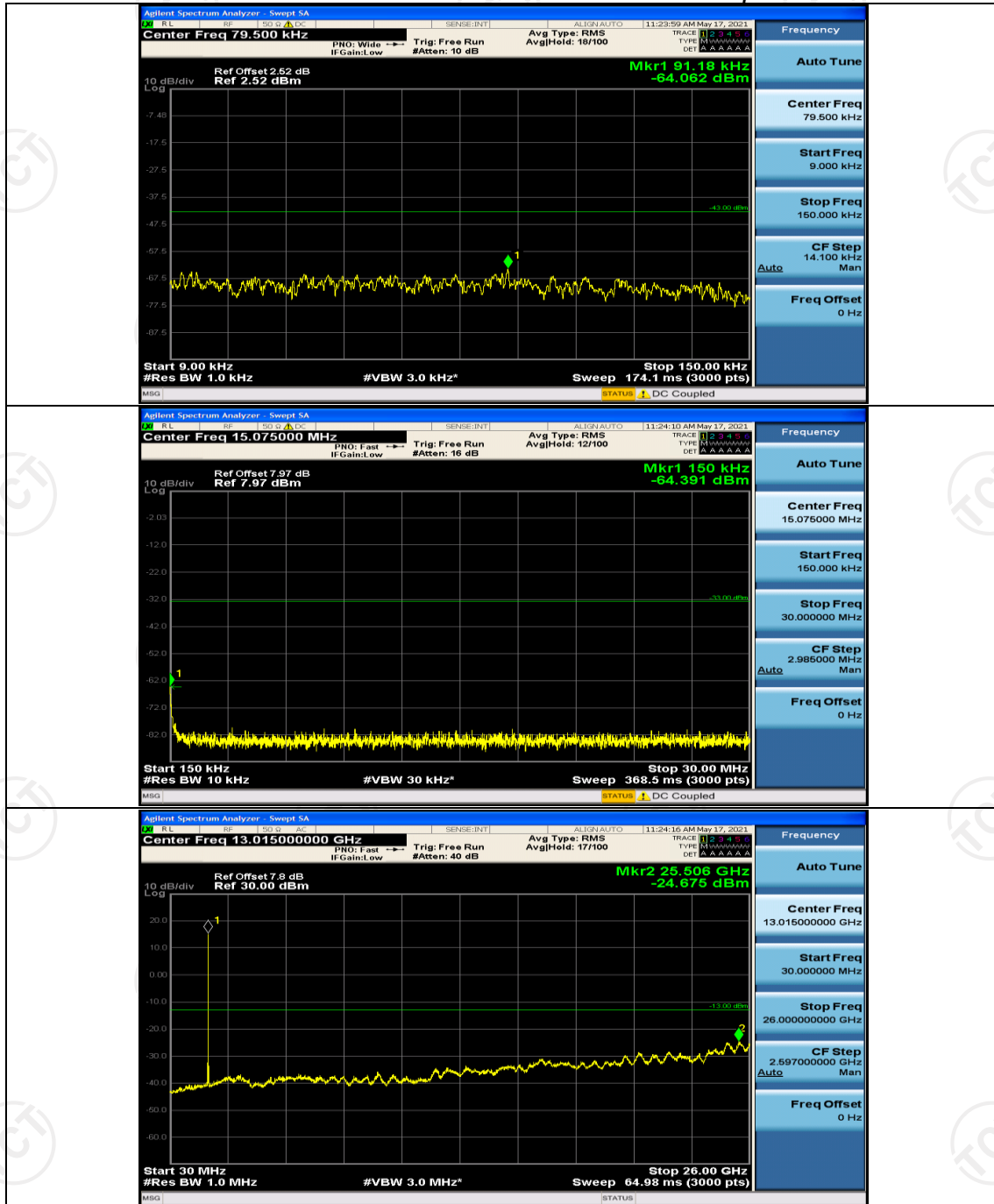




(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

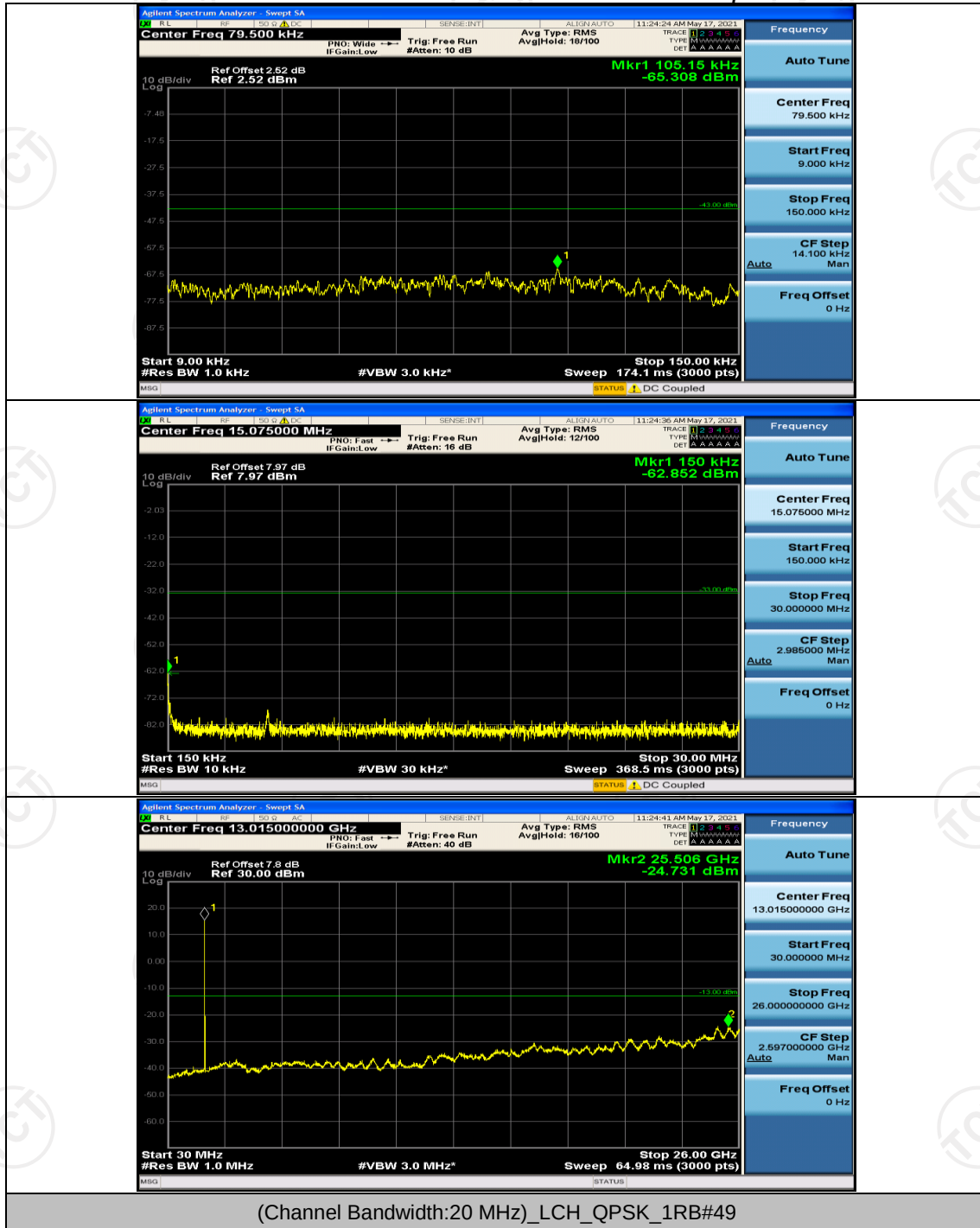


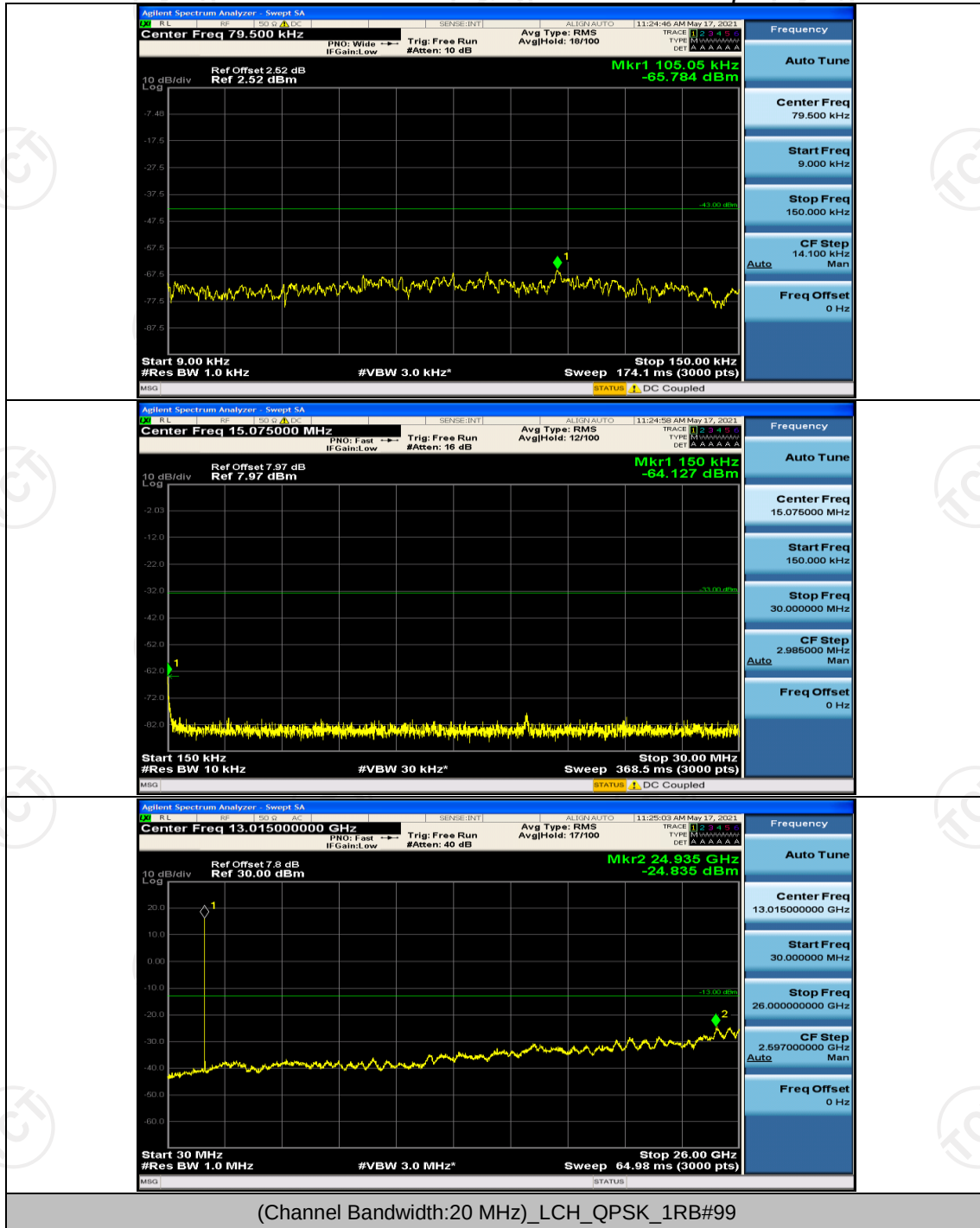


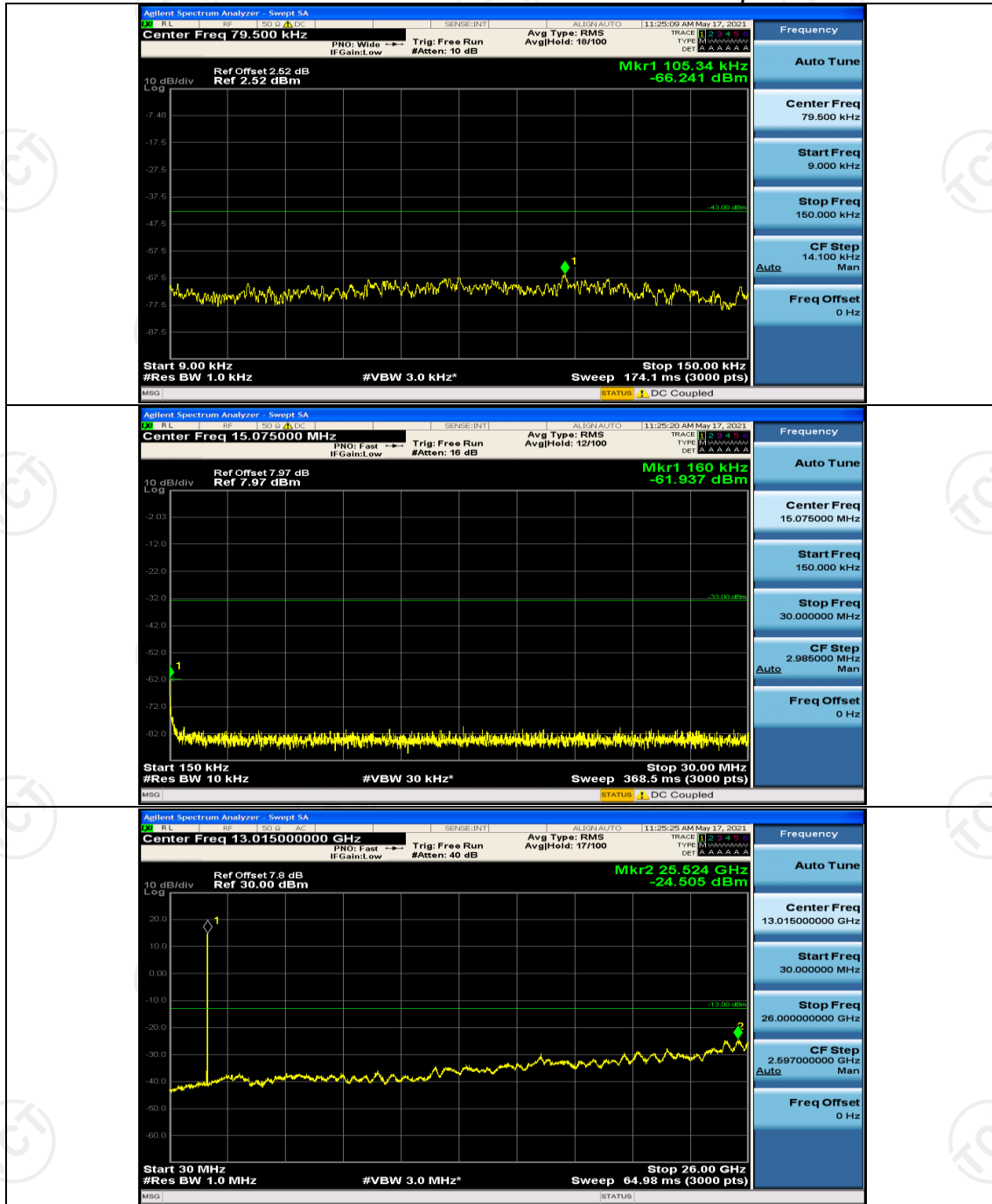


Channel Bandwidth: 20 MHz

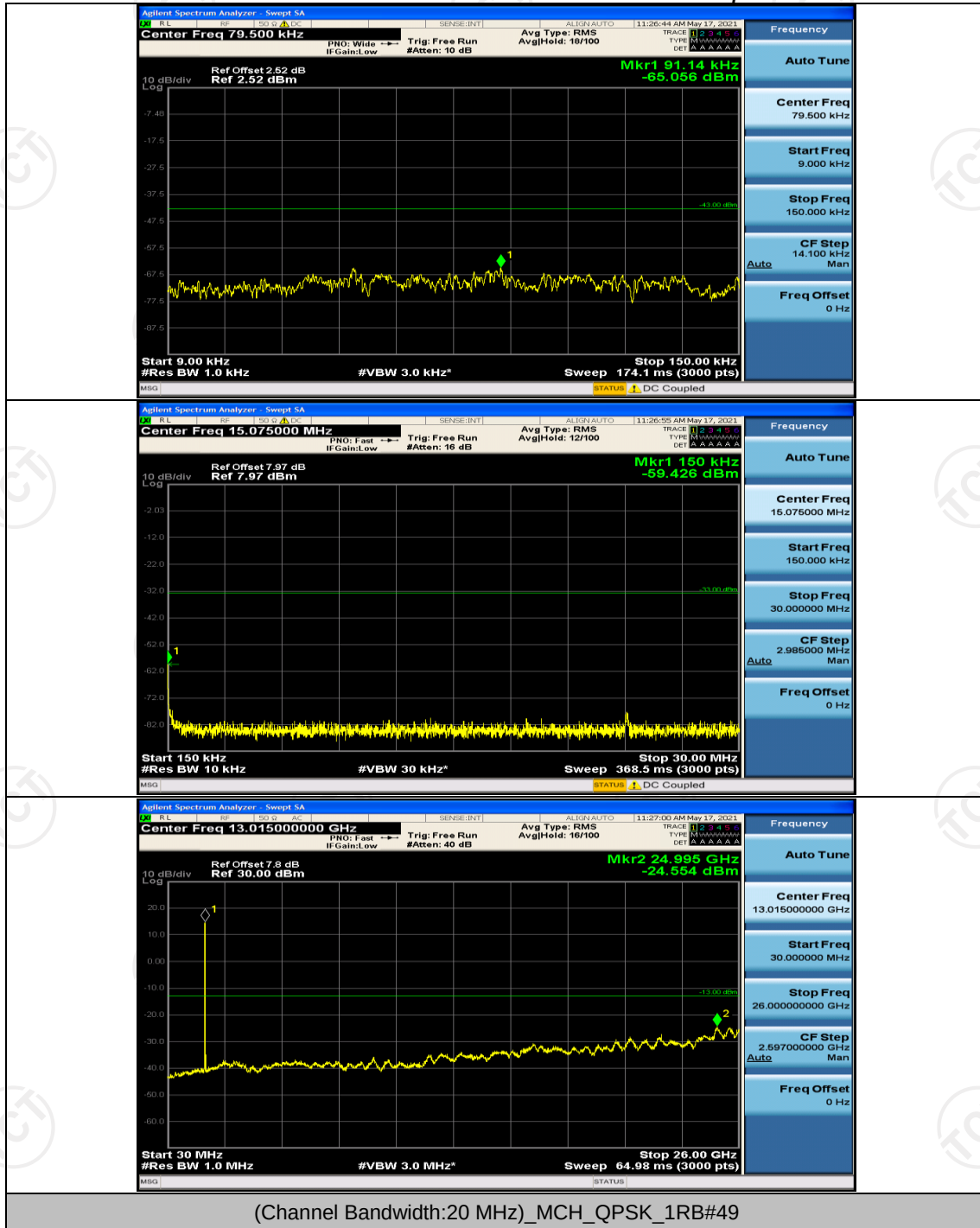
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

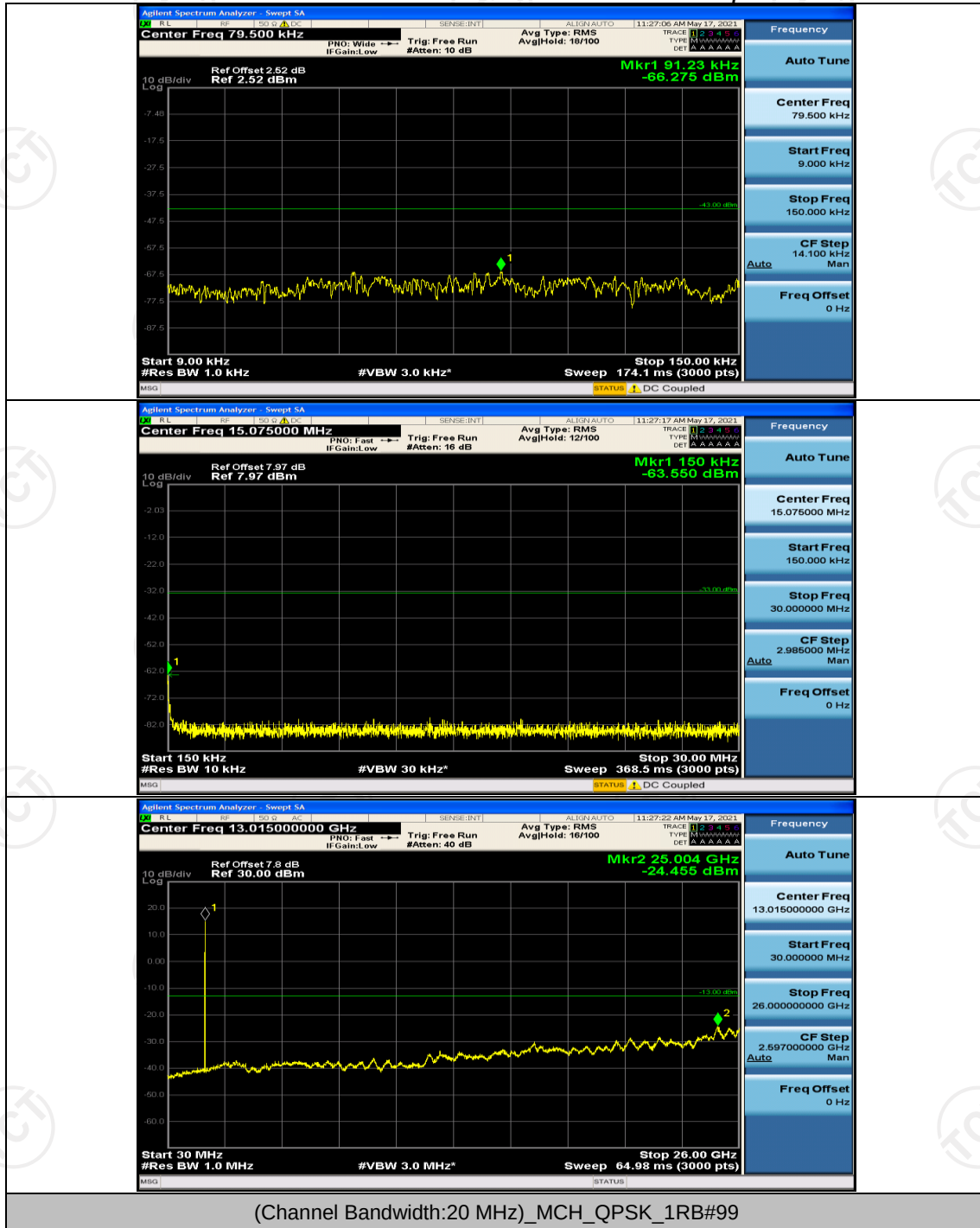


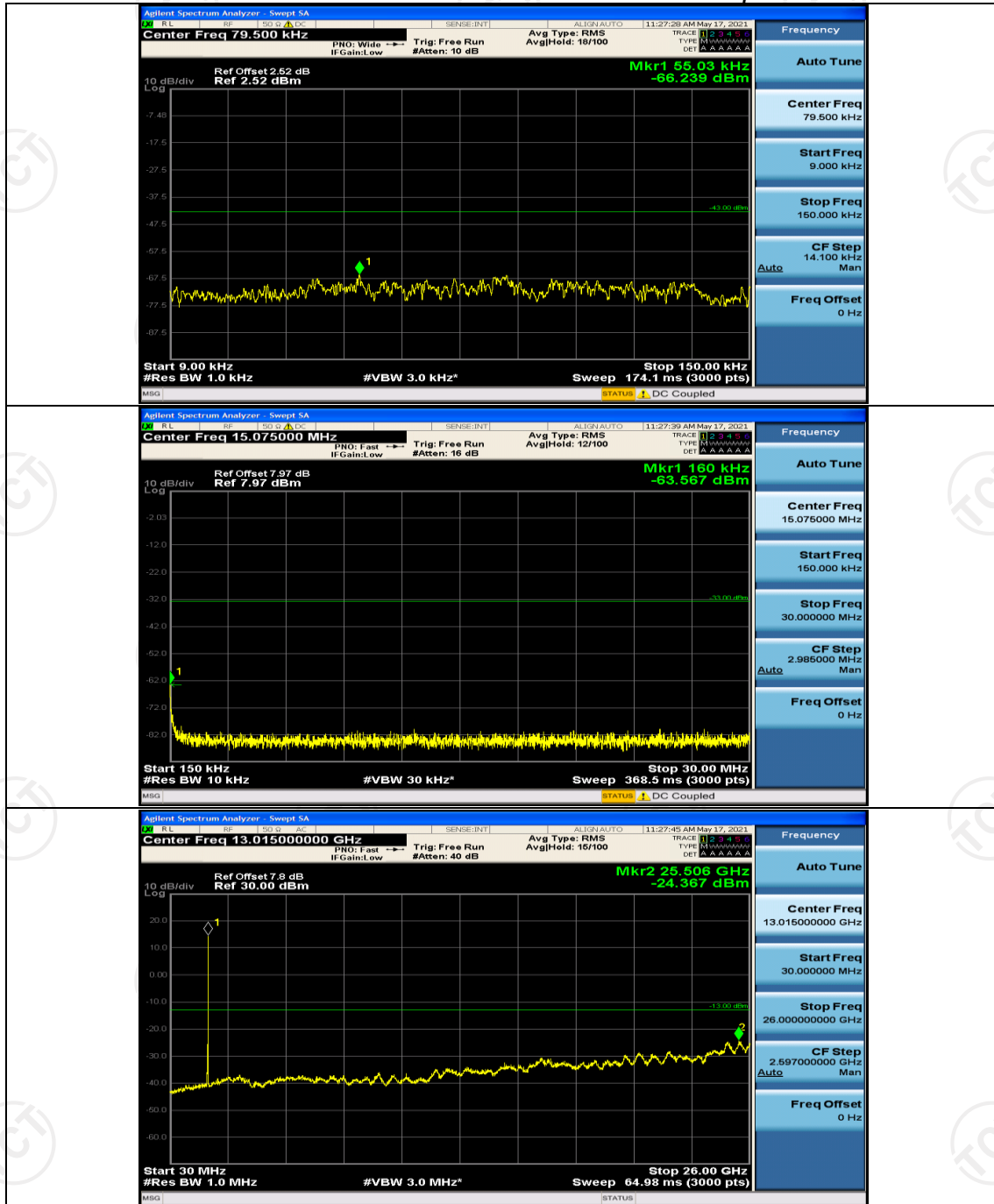




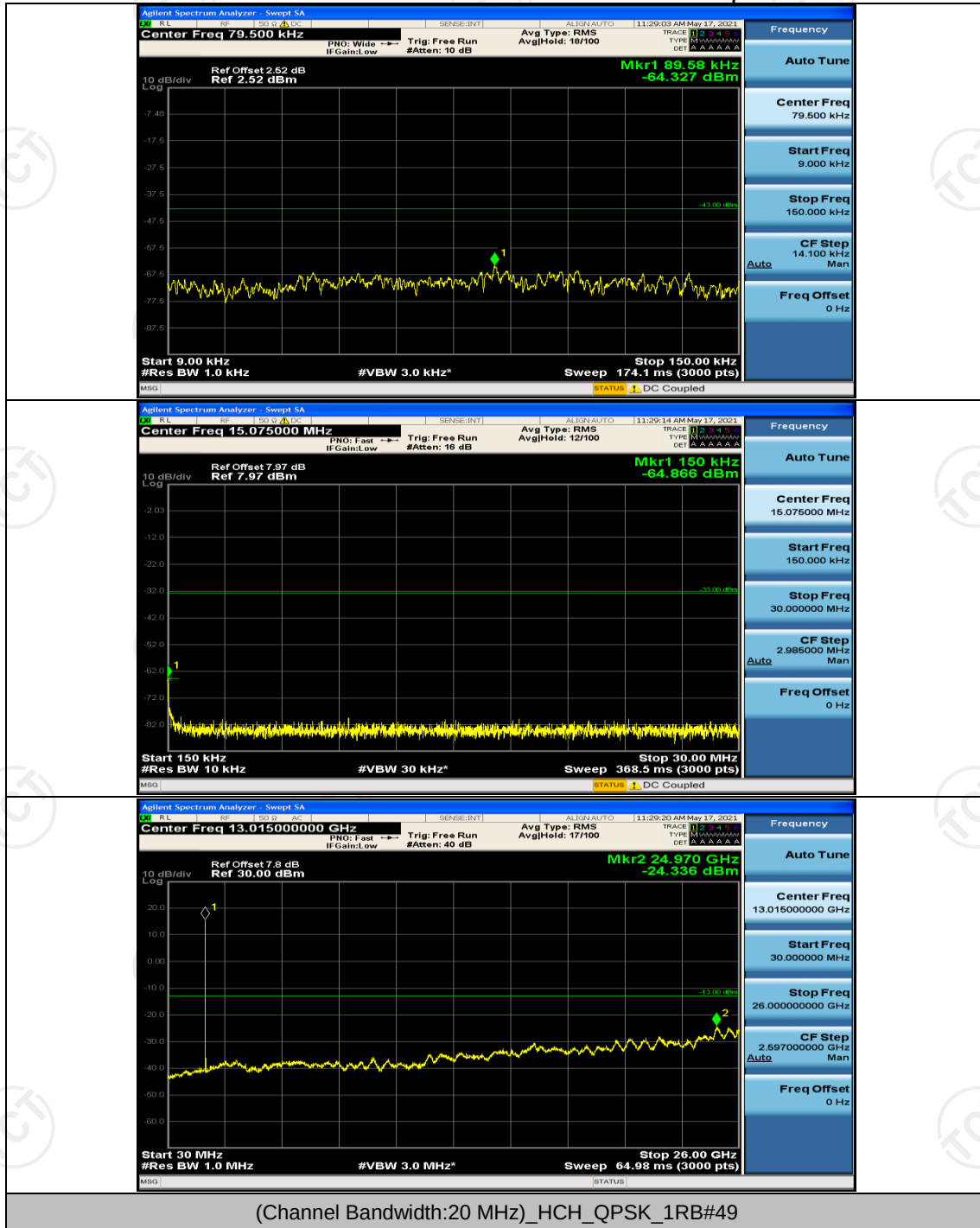
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

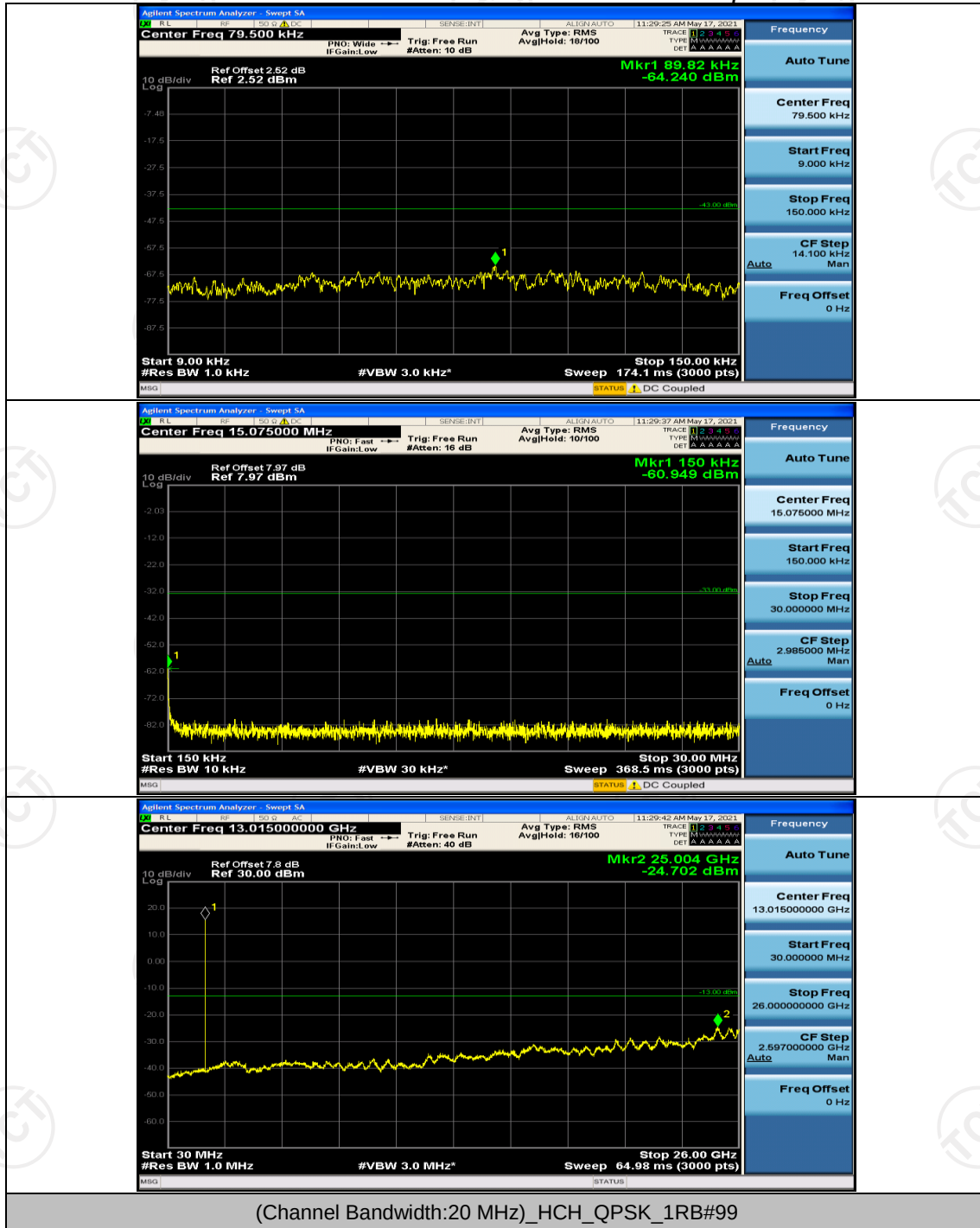


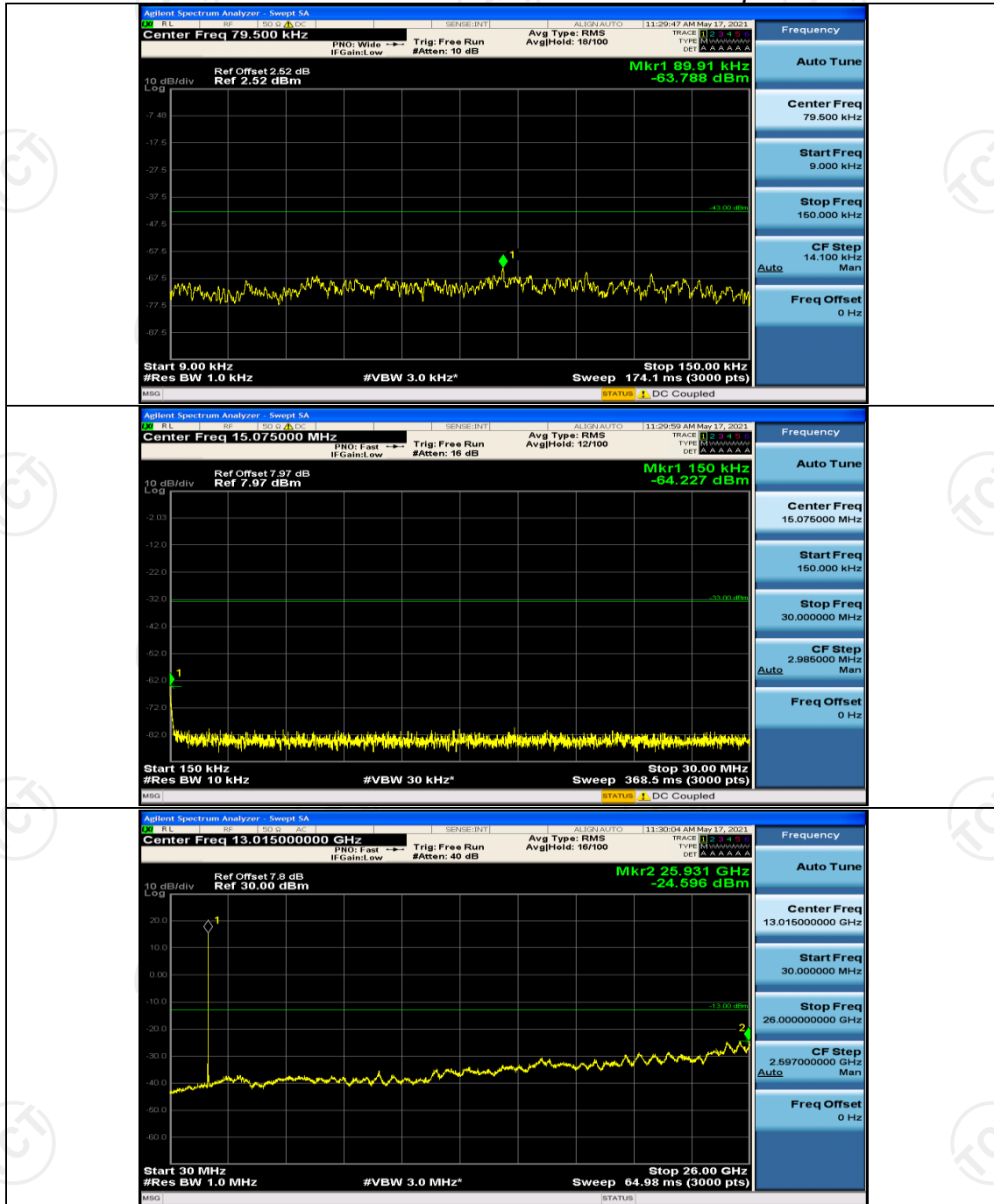




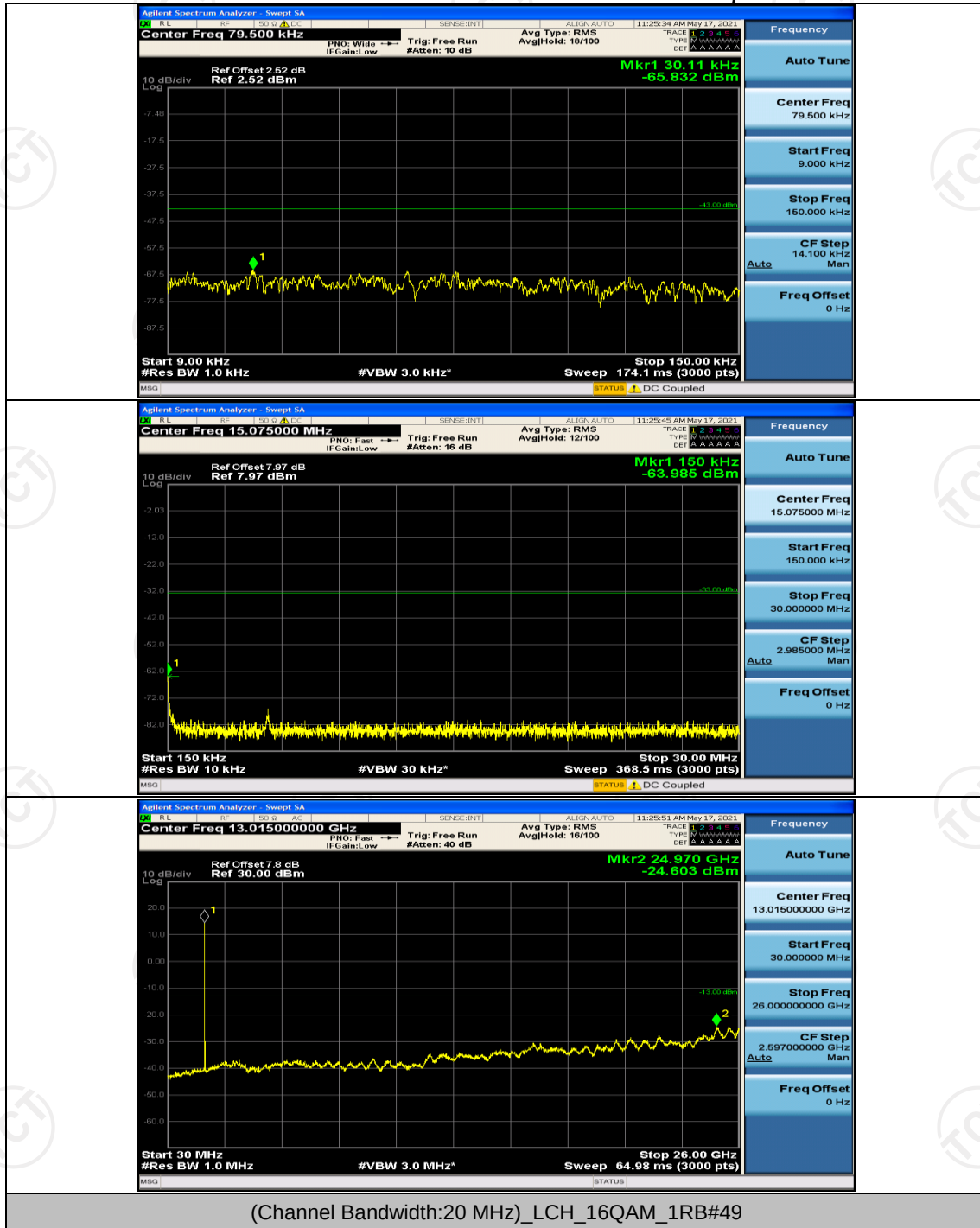
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

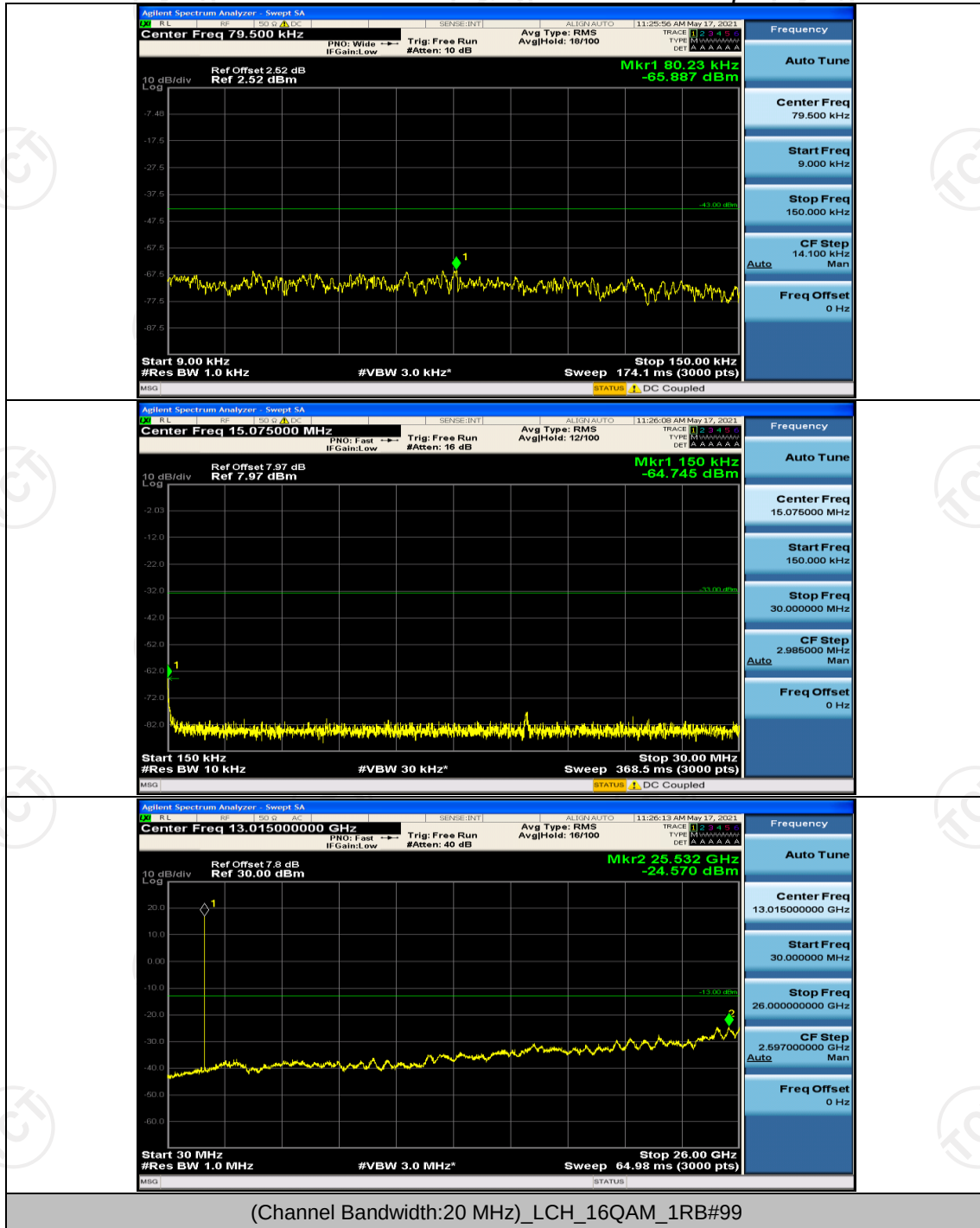


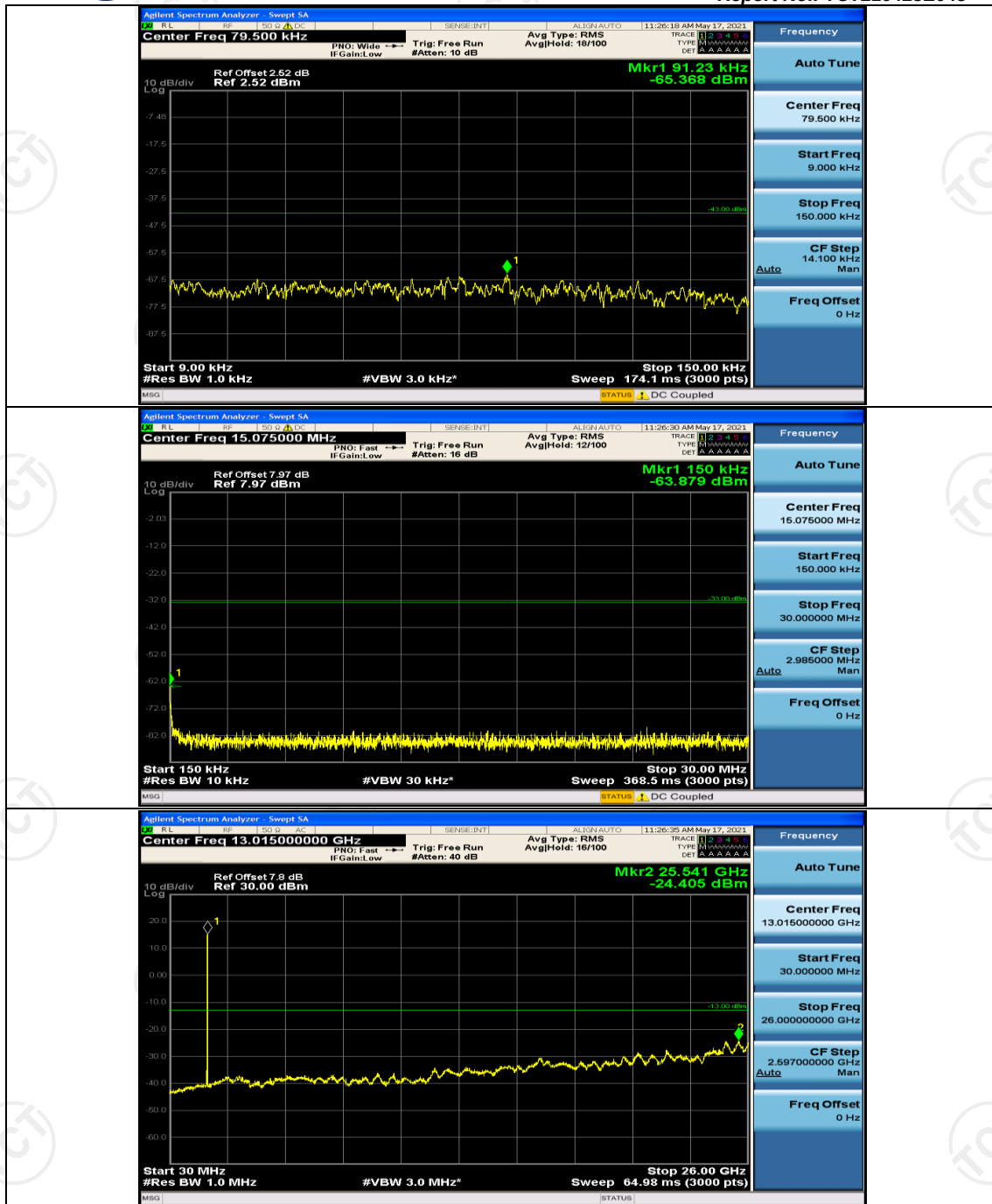




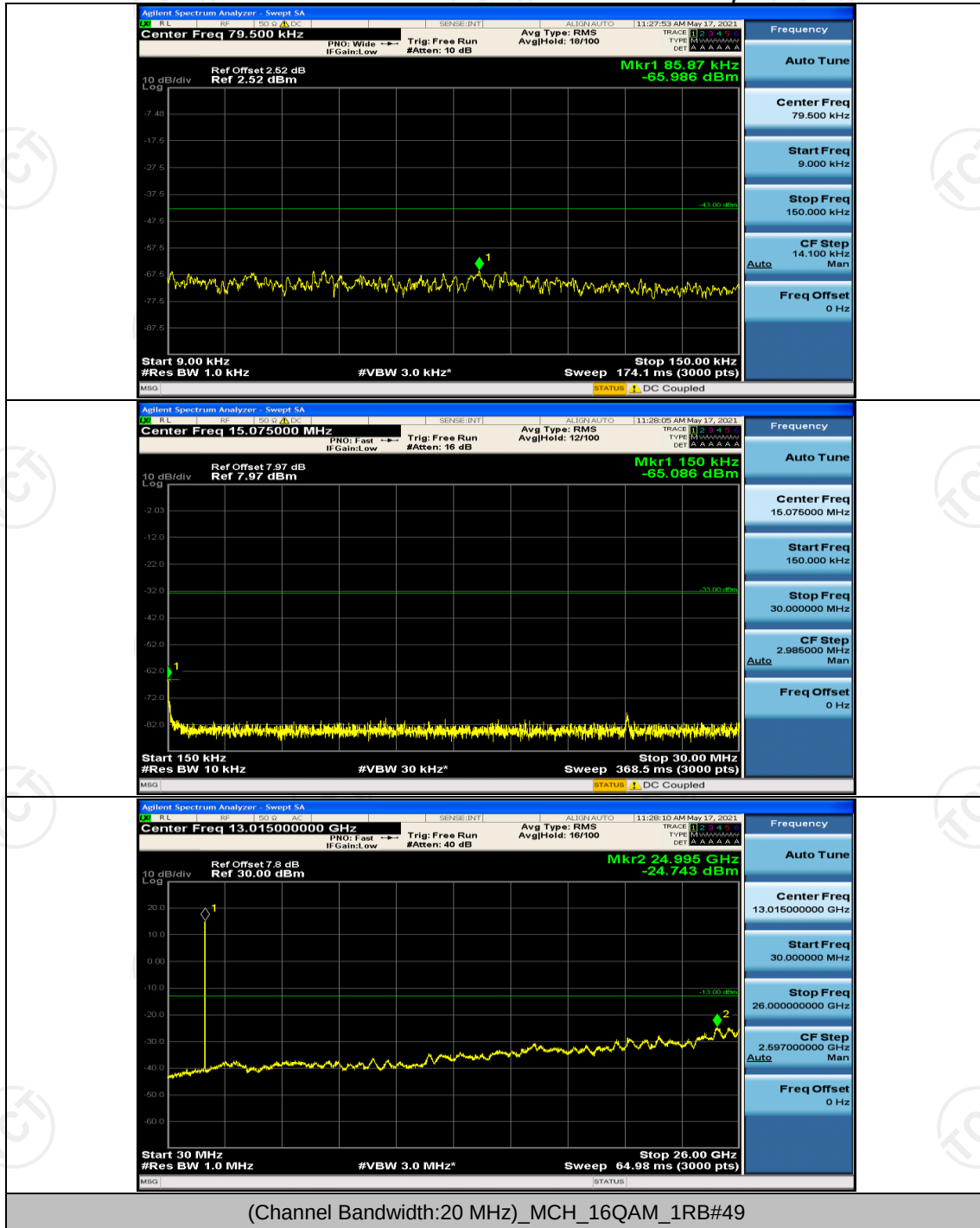
(Channel Bandwidth: 20 MHz)_LCH_16QAM_1RB#0

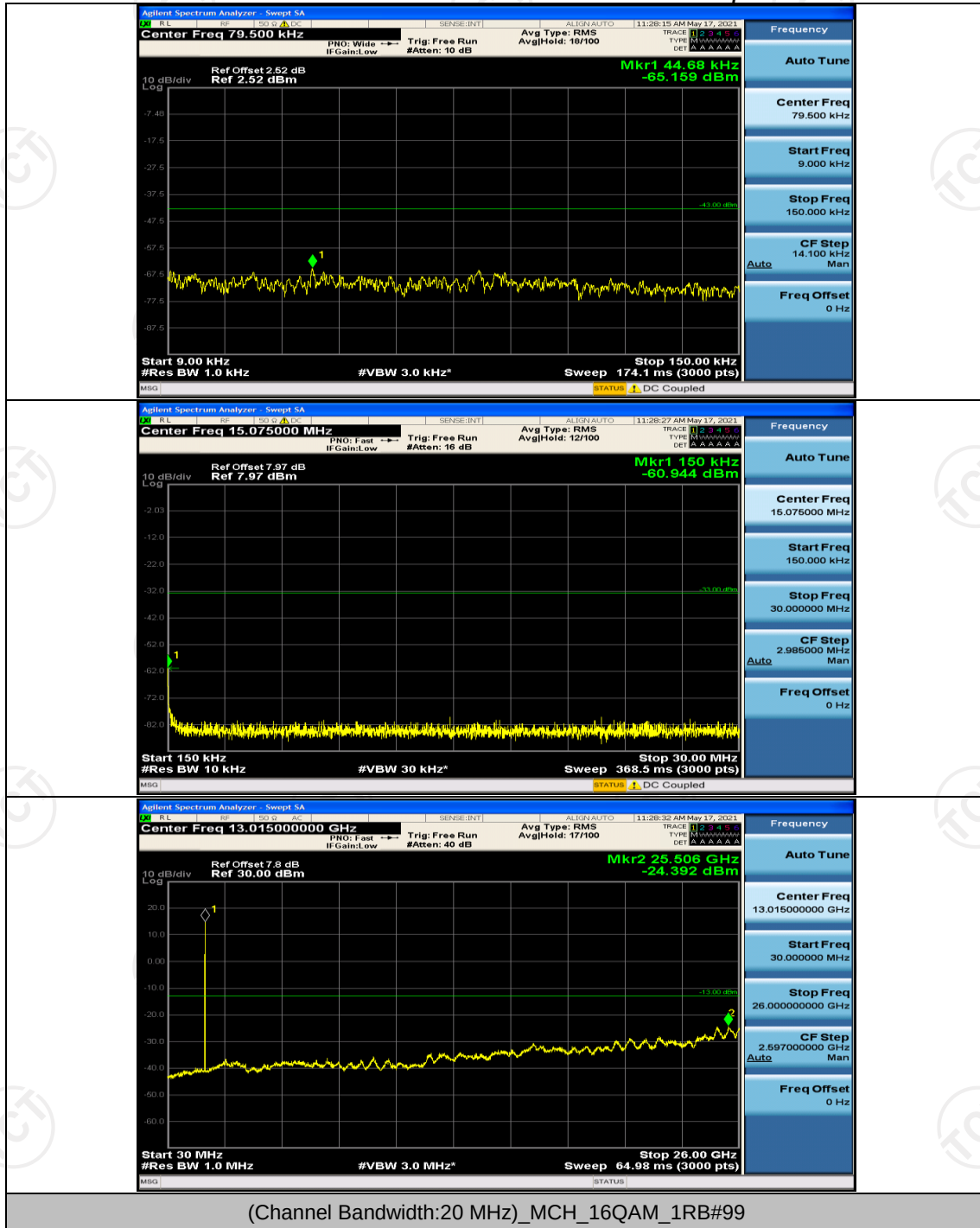


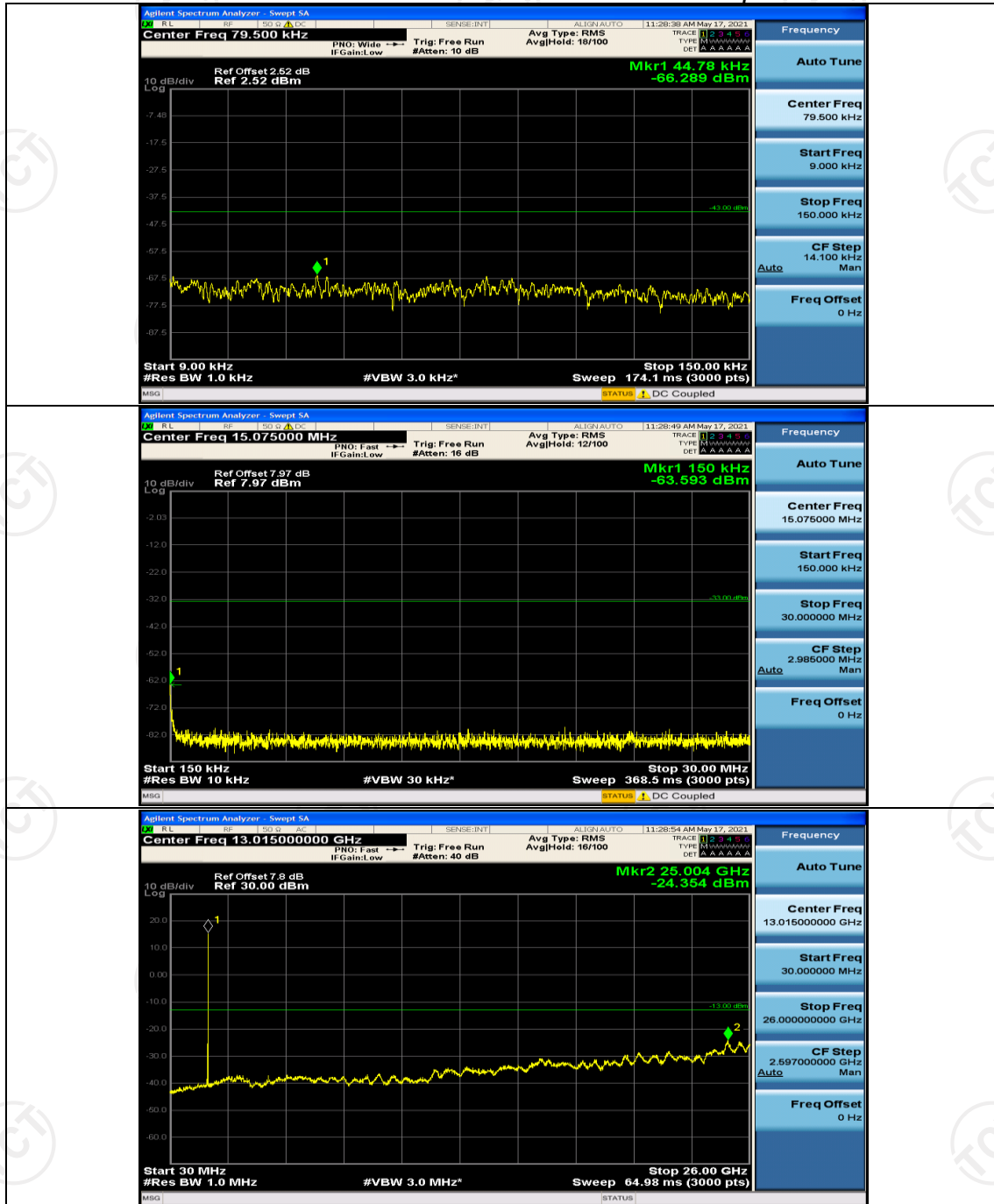




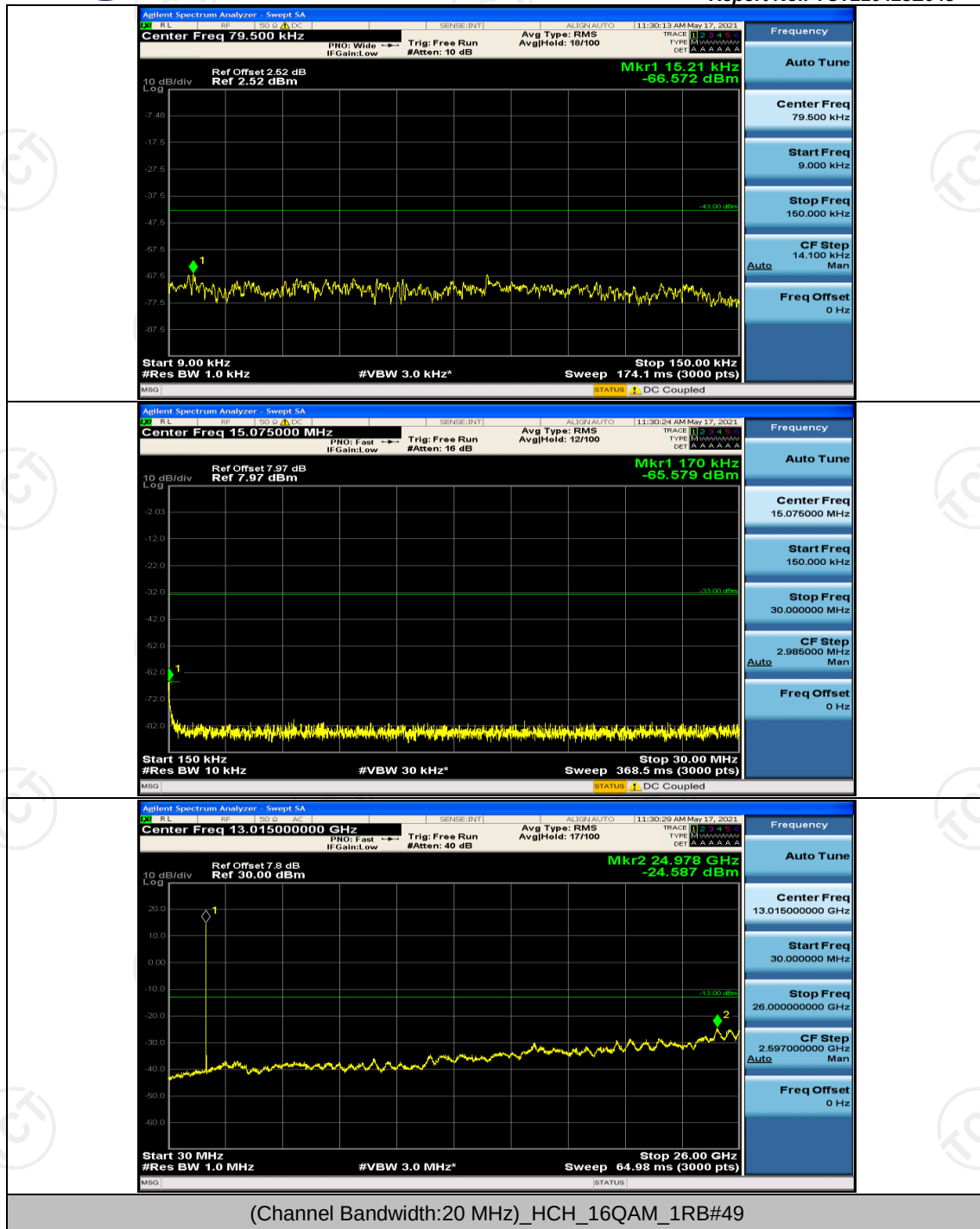
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

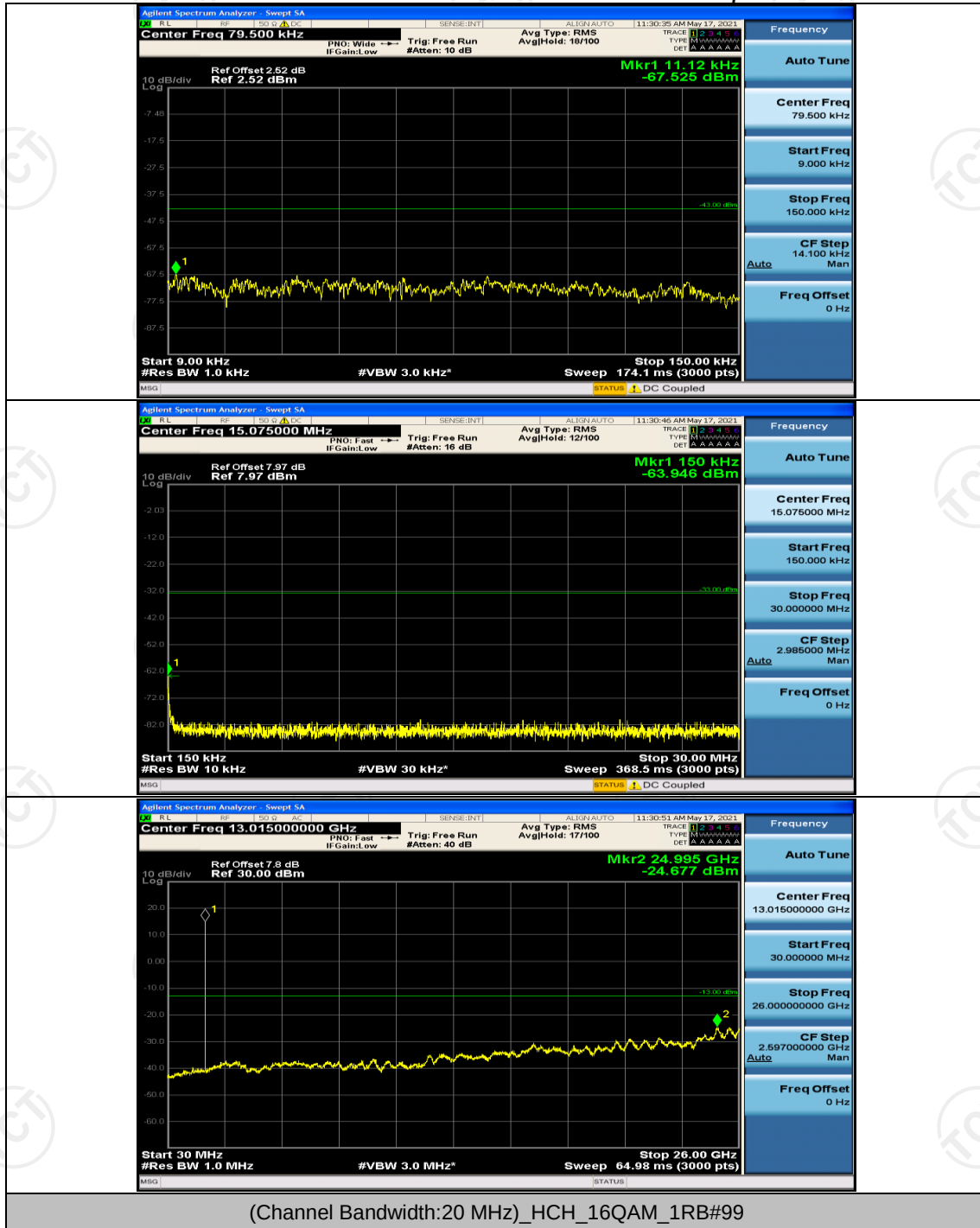


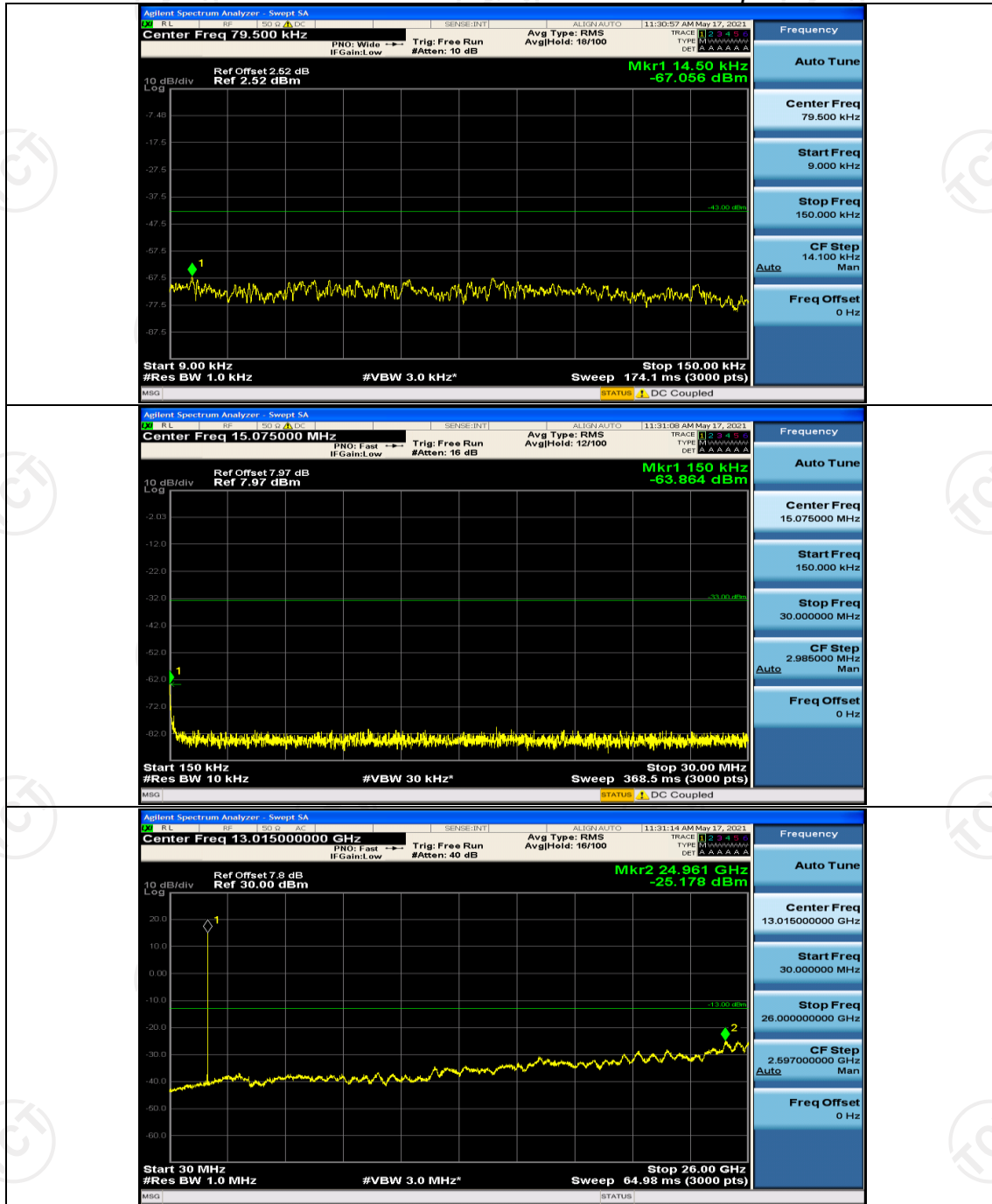




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0







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	-3.85	-0.002078	± 2.5	PASS
		VN	TN	1.27	0.000744	± 2.5	PASS
		VH	TN	-3.76	-0.002001	± 2.5	PASS
	MCH	VL	TN	0.86	0.000450	± 2.5	PASS
		VN	TN	-0.17	-0.000099	± 2.5	PASS
		VH	TN	-1.32	-0.000711	± 2.5	PASS
	HCH	VL	TN	-3.23	-0.001720	± 2.5	PASS
		VN	TN	-1.99	-0.001133	± 2.5	PASS
		VH	TN	2.16	0.001132	± 2.5	PASS
16QAM	LCH	VL	TN	-3.13	-0.001692	± 2.5	PASS
		VN	TN	1.03	0.000602	± 2.5	PASS
		VH	TN	-1.24	-0.000672	± 2.5	PASS
	MCH	VL	TN	-3.48	-0.001877	± 2.5	PASS
		VN	TN	-0.41	-0.000239	± 2.5	PASS
		VH	TN	-2.40	-0.001298	± 2.5	PASS
	HCH	VL	TN	-2.88	-0.001529	± 2.5	PASS
		VN	TN	-2.76	-0.001574	± 2.5	PASS
		VH	TN	-2.82	-0.001499	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-2.96	-0.001575	± 2.5	PASS
		VN	-20	-3.23	-0.001720	± 2.5	PASS
		VN	-10	1.92	0.001004	± 2.5	PASS
		VN	0	1.44	0.000757	± 2.5	PASS
		VN	10	0.16	0.000082	± 2.5	PASS
		VN	20	0.27	0.000159	± 2.5	PASS
		VN	30	0.37	0.000217	± 2.5	PASS
		VN	40	1.14	0.000669	± 2.5	PASS
		VN	50	0.39	0.000226	± 2.5	PASS
	MCH	VN	-30	1.14	0.000600	± 2.5	PASS
		VN	-20	-0.83	-0.000448	± 2.5	PASS
		VN	-10	-1.19	-0.000641	± 2.5	PASS
		VN	0	-1.44	-0.000780	± 2.5	PASS
		VN	10	-0.04	-0.000023	± 2.5	PASS
		VN	20	0.74	0.000429	± 2.5	PASS

		VN	30	0.72	0.000413	± 2.5	PASS
		VN	40	-1.26	-0.000727	± 2.5	PASS
		VN	50	0.67	0.000388	± 2.5	PASS
	HCH	VN	-30	-2.98	-0.001583	± 2.5	PASS
		VN	-20	-3.93	-0.002093	± 2.5	PASS
		VN	-10	-3.56	-0.001895	± 2.5	PASS
		VN	0	-4.41	-0.002344	± 2.5	PASS
		VN	10	-2.98	-0.001583	± 2.5	PASS
		VN	20	-3.40	-0.001941	± 2.5	PASS
		VN	30	-2.76	-0.001574	± 2.5	PASS
		VN	40	-3.09	-0.001761	± 2.5	PASS
		VN	50	-2.56	-0.001460	± 2.5	PASS
16QAM	LCH	VN	-30	-4.16	-0.002386	± 2.5	PASS
		VN	-20	-2.68	-0.001533	± 2.5	PASS
		VN	-10	-3.79	-0.002172	± 2.5	PASS
		VN	0	-3.69	-0.002115	± 2.5	PASS
		VN	10	-3.43	-0.001957	± 2.5	PASS
		VN	20	0.96	0.000560	± 2.5	PASS
		VN	30	0.53	0.000309	± 2.5	PASS
		VN	40	1.19	0.000694	± 2.5	PASS
		VN	50	1.69	0.000987	± 2.5	PASS
	MCH	VN	-30	-1.77	-0.001012	± 2.5	PASS
		VN	-20	-2.32	-0.001322	± 2.5	PASS
		VN	-10	-1.76	-0.001004	± 2.5	PASS
		VN	0	-3.28	-0.001869	± 2.5	PASS
		VN	10	1.92	0.001119	± 2.5	PASS
		VN	20	-0.44	-0.000256	± 2.5	PASS
		VN	30	-0.49	-0.000281	± 2.5	PASS
		VN	40	0.21	0.000124	± 2.5	PASS
		VN	50	-0.09	-0.000050	± 2.5	PASS
	HCH	VN	-30	-1.73	-0.000988	± 2.5	PASS
		VN	-20	-2.43	-0.001388	± 2.5	PASS
		VN	-10	-2.57	-0.001469	± 2.5	PASS
		VN	0	-0.74	-0.000424	± 2.5	PASS
		VN	10	-2.43	-0.001388	± 2.5	PASS
		VN	20	-3.43	-0.001957	± 2.5	PASS
		VN	30	-2.73	-0.001557	± 2.5	PASS
		VN	40	-3.95	-0.002251	± 2.5	PASS
		VN	50	-2.93	-0.001672	± 2.5	PASS