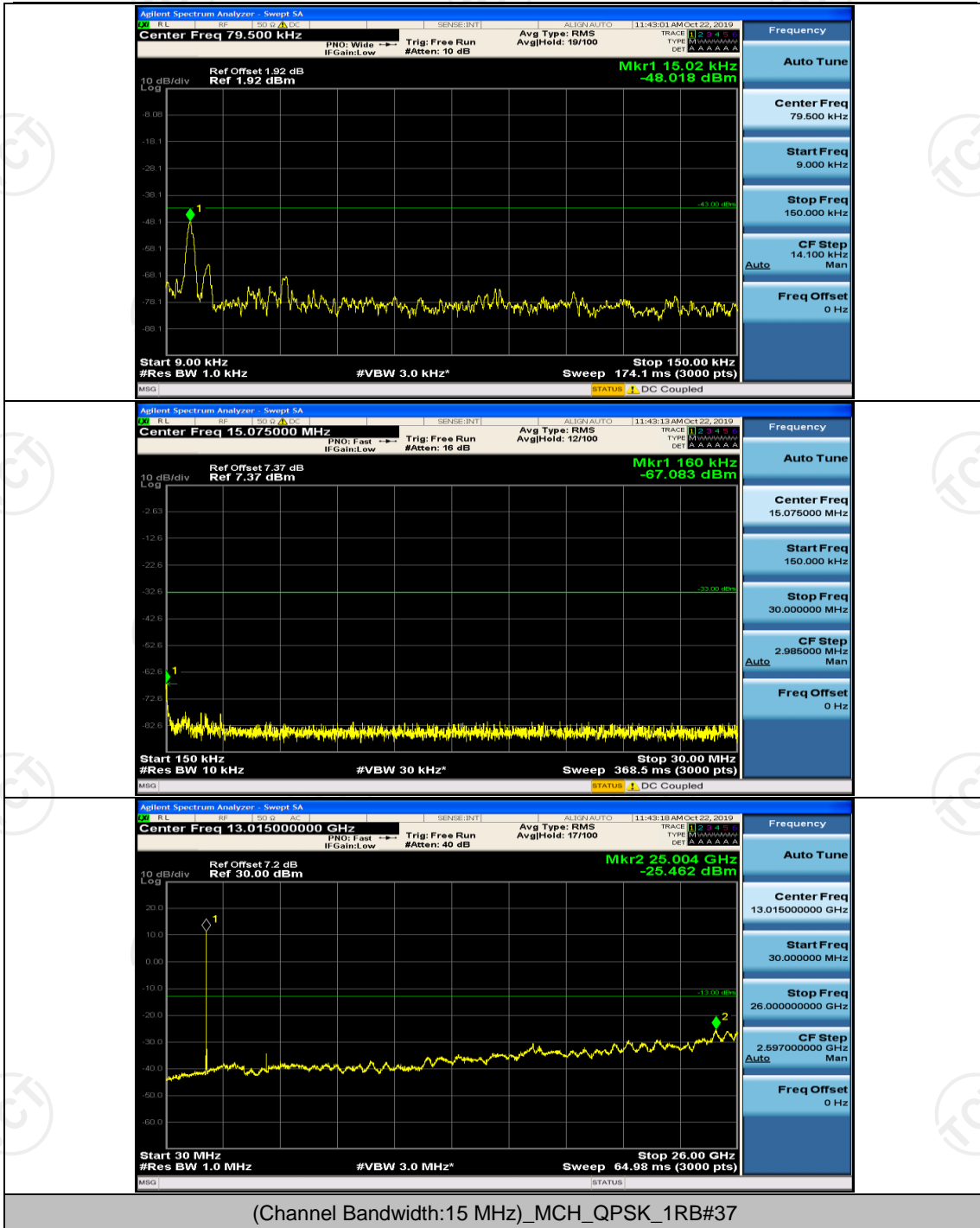
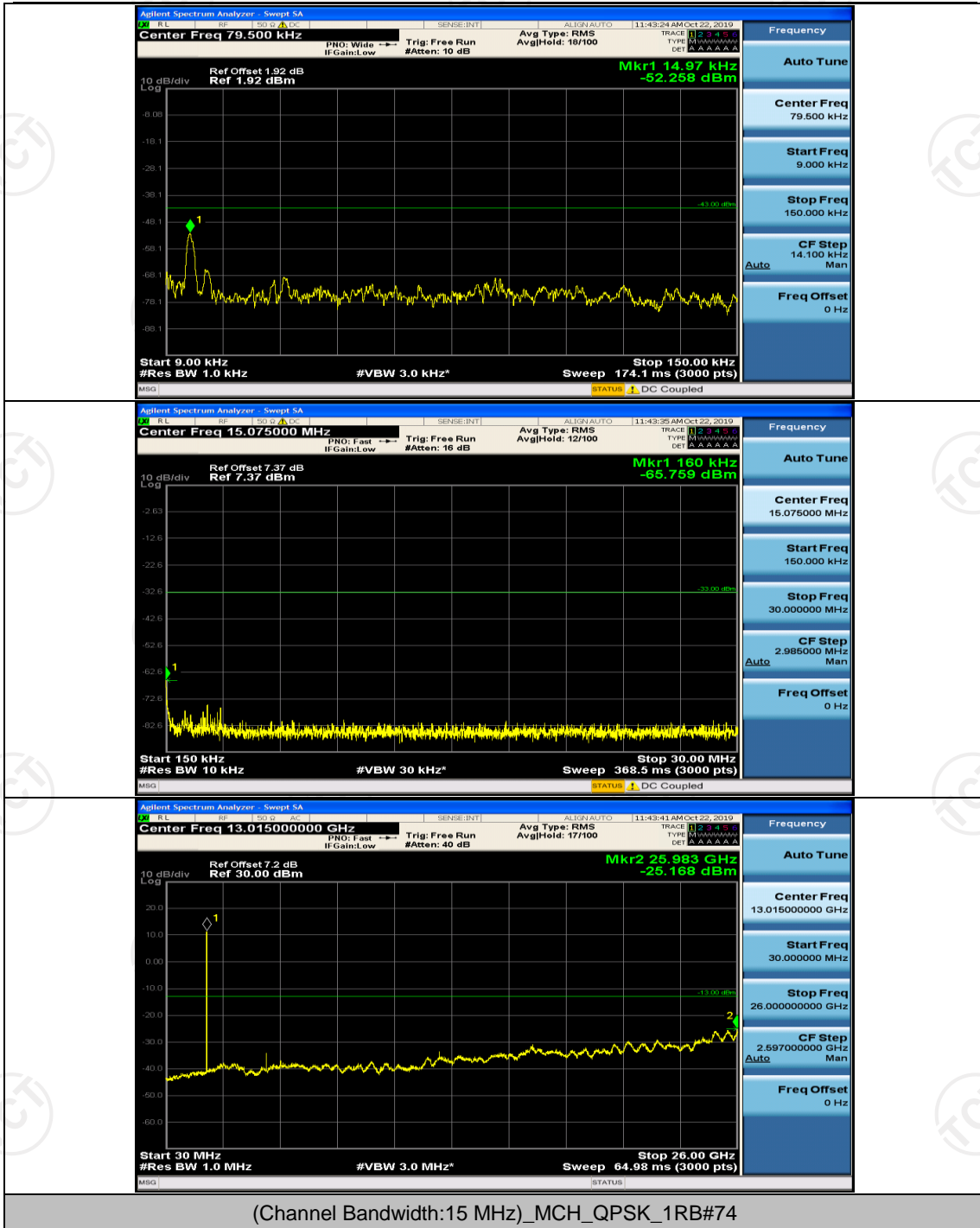
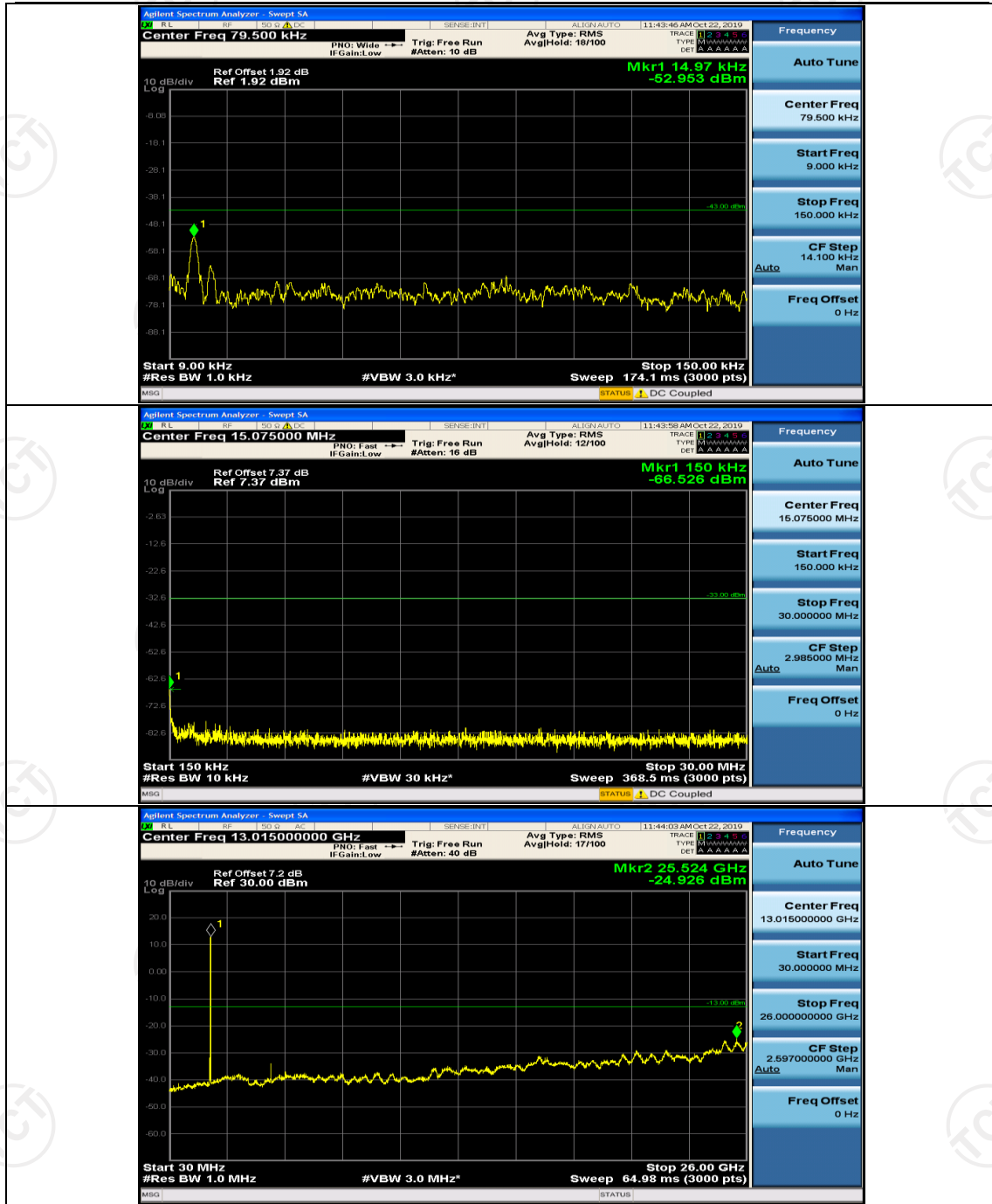


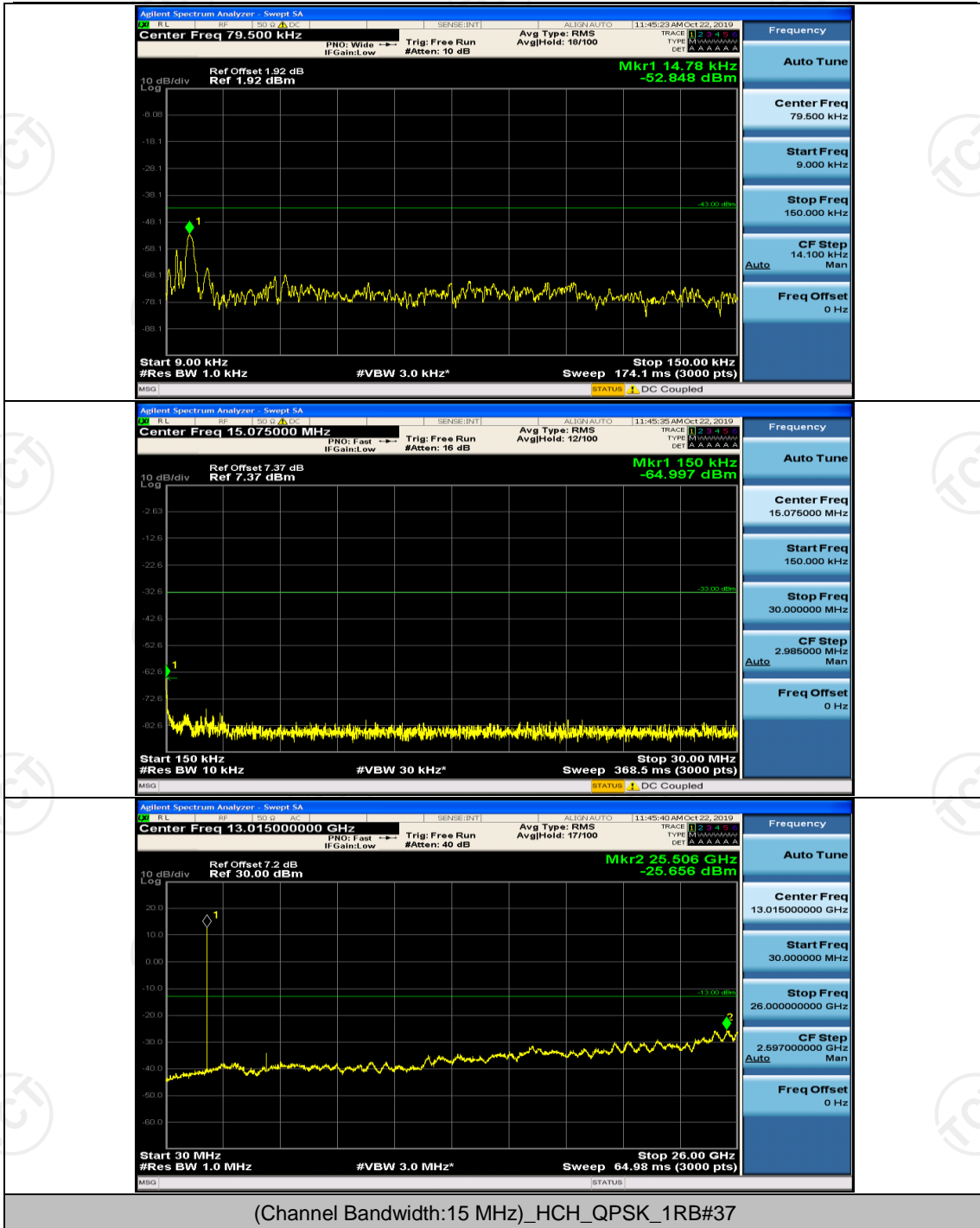
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

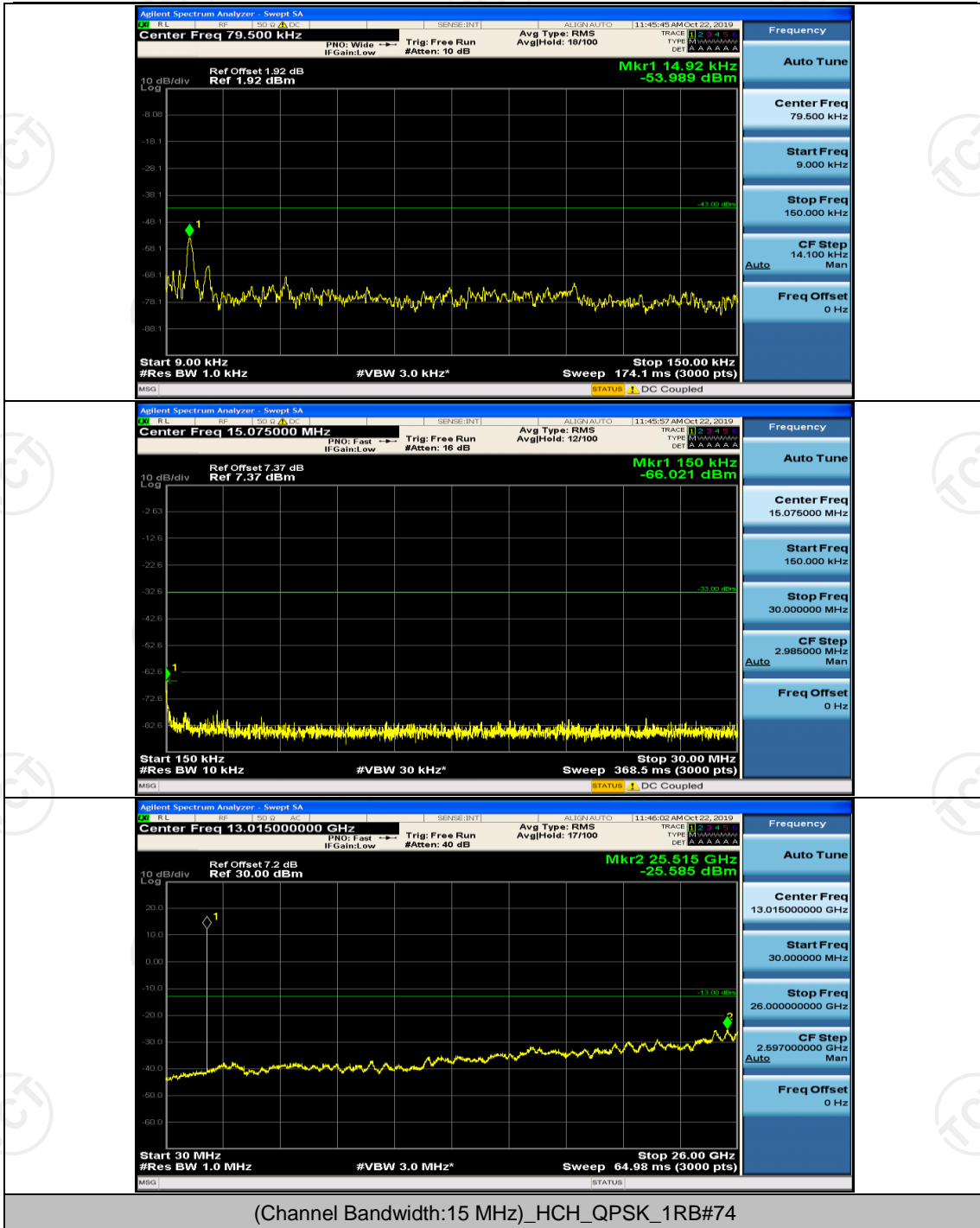


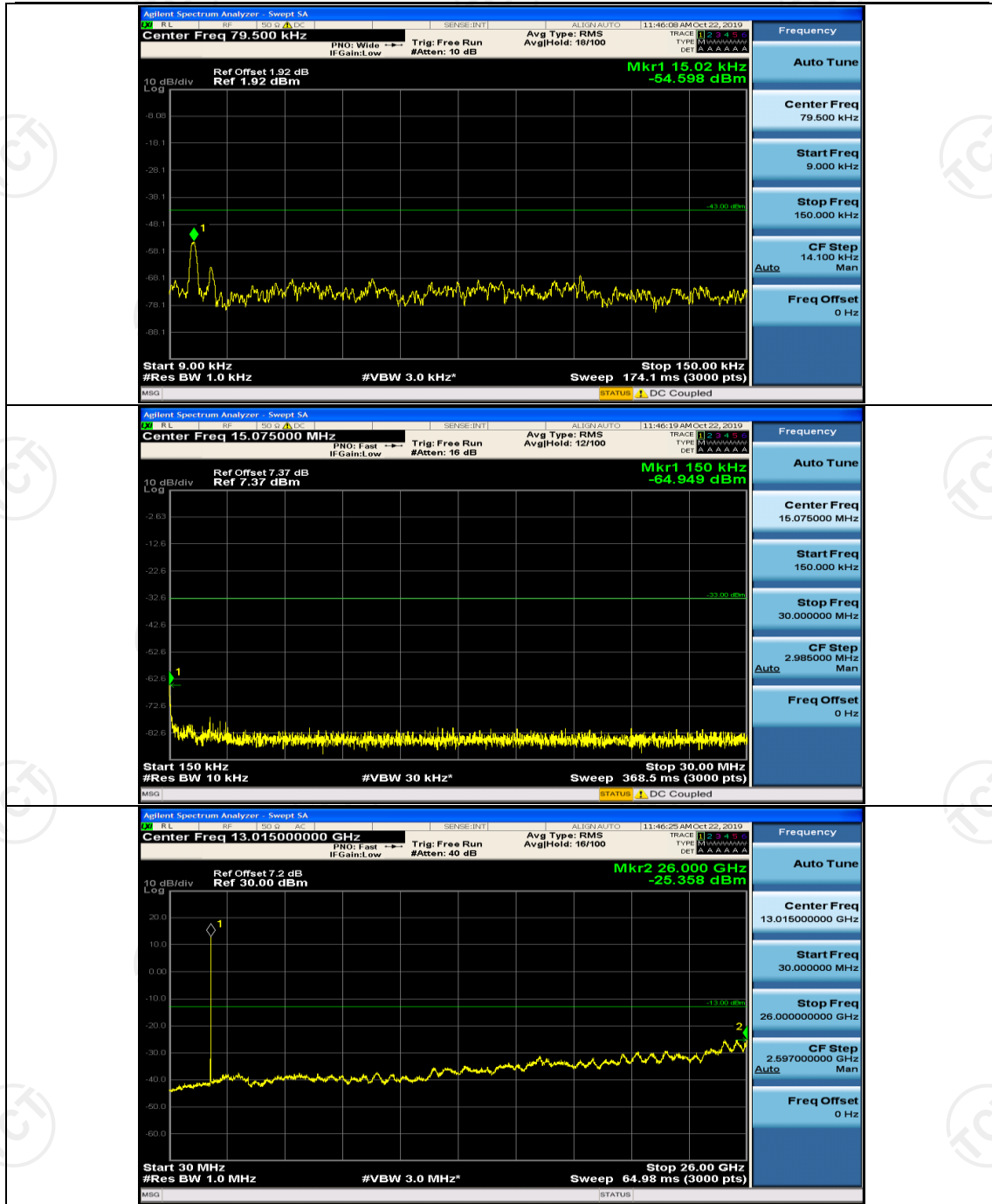




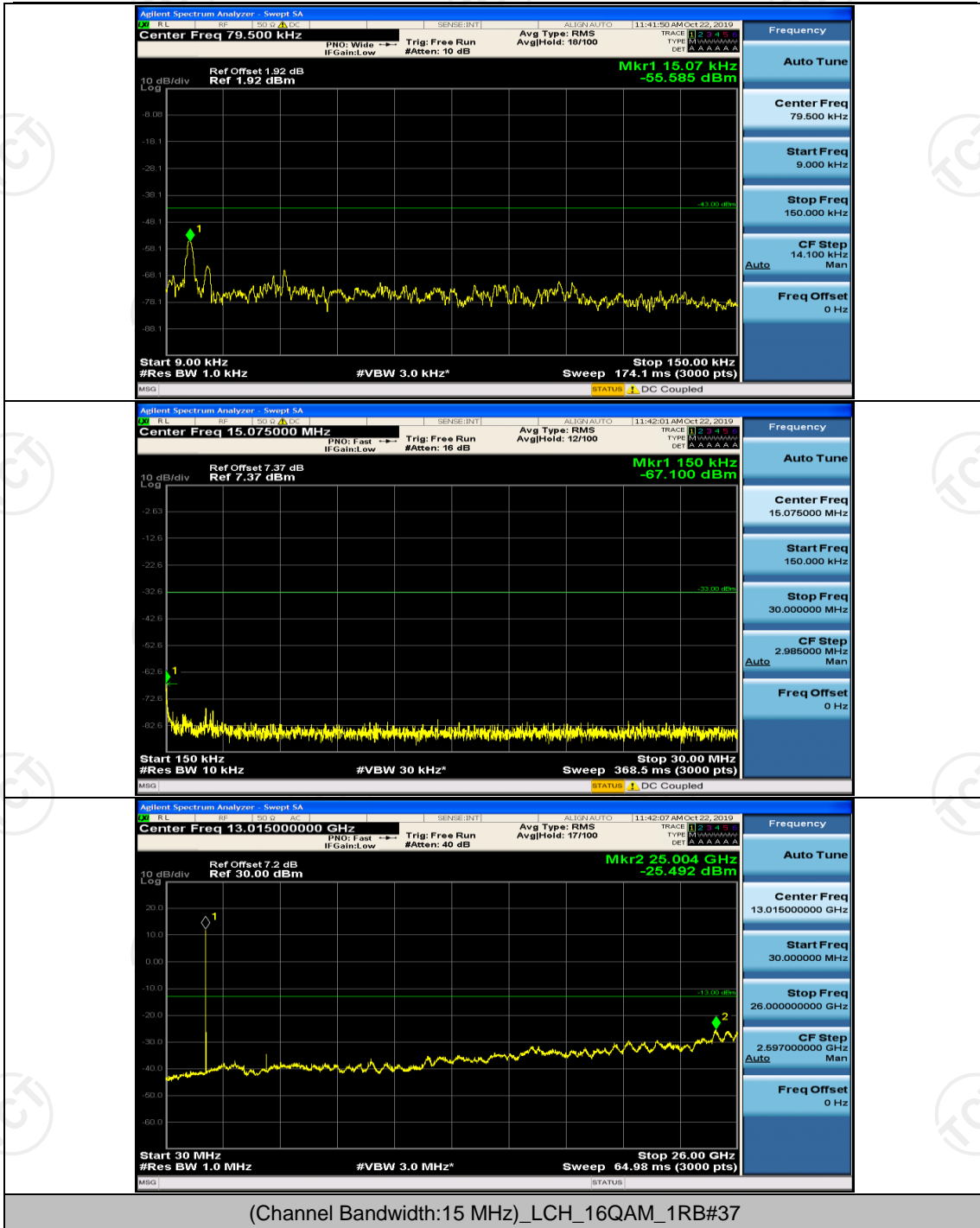
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

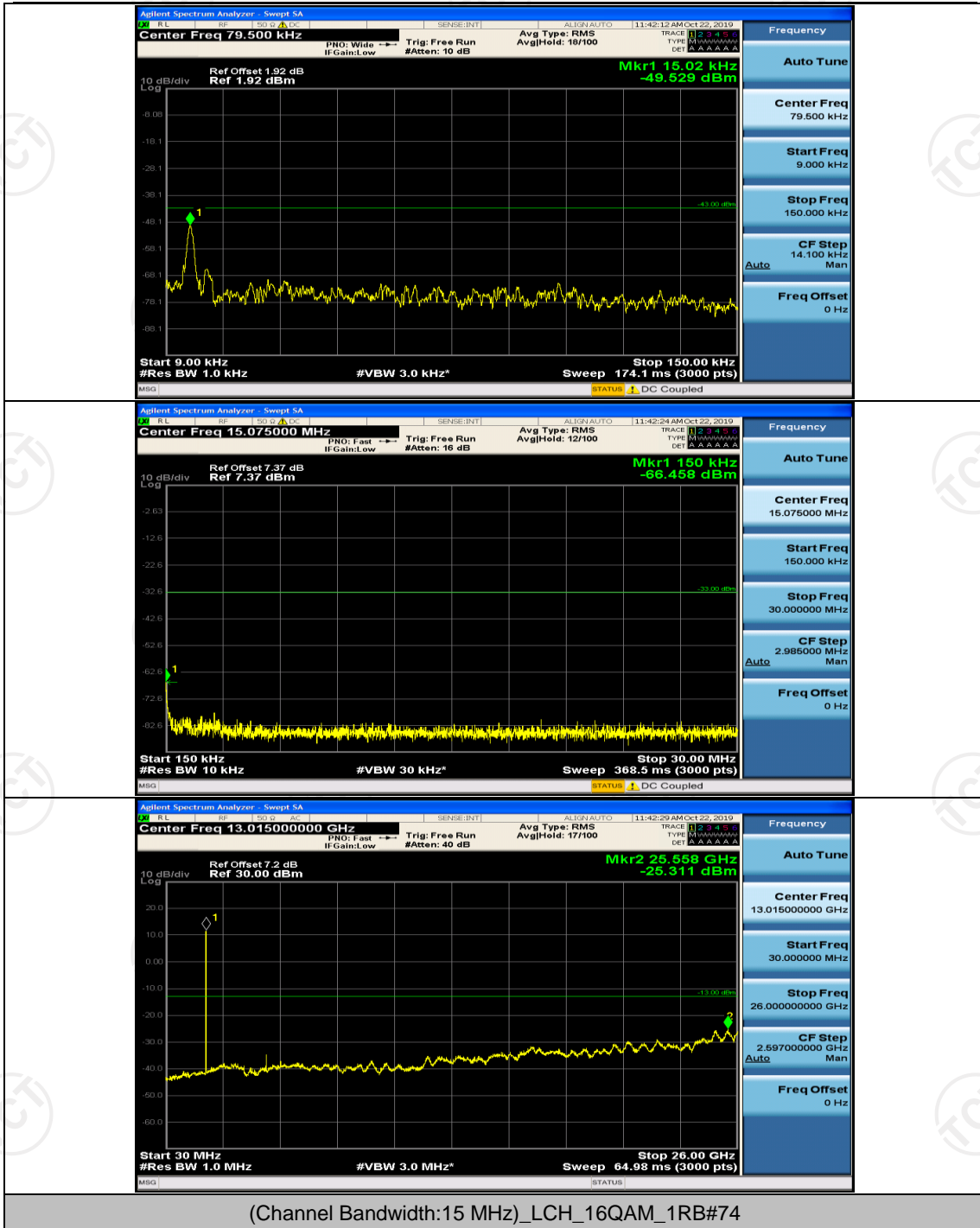


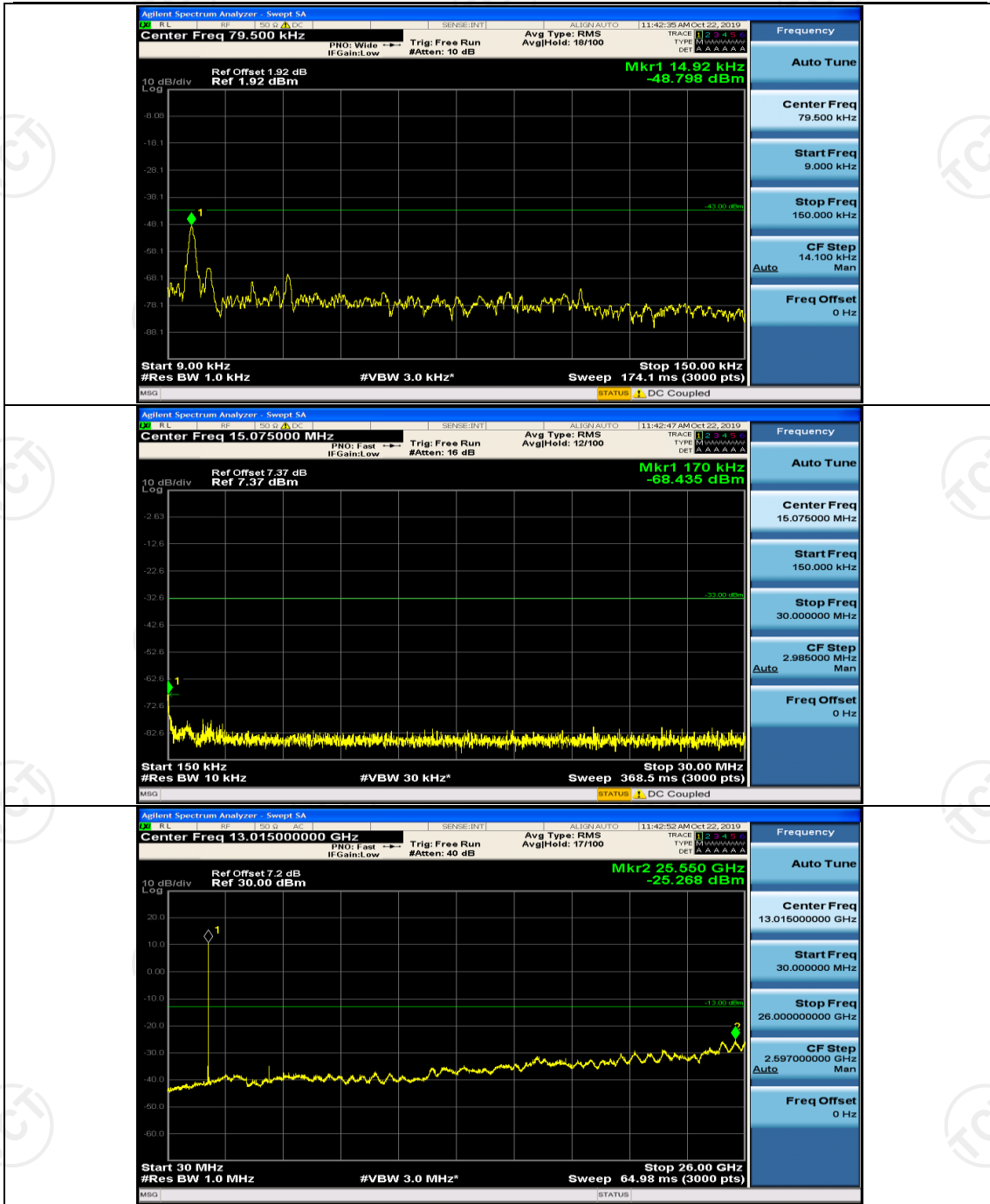




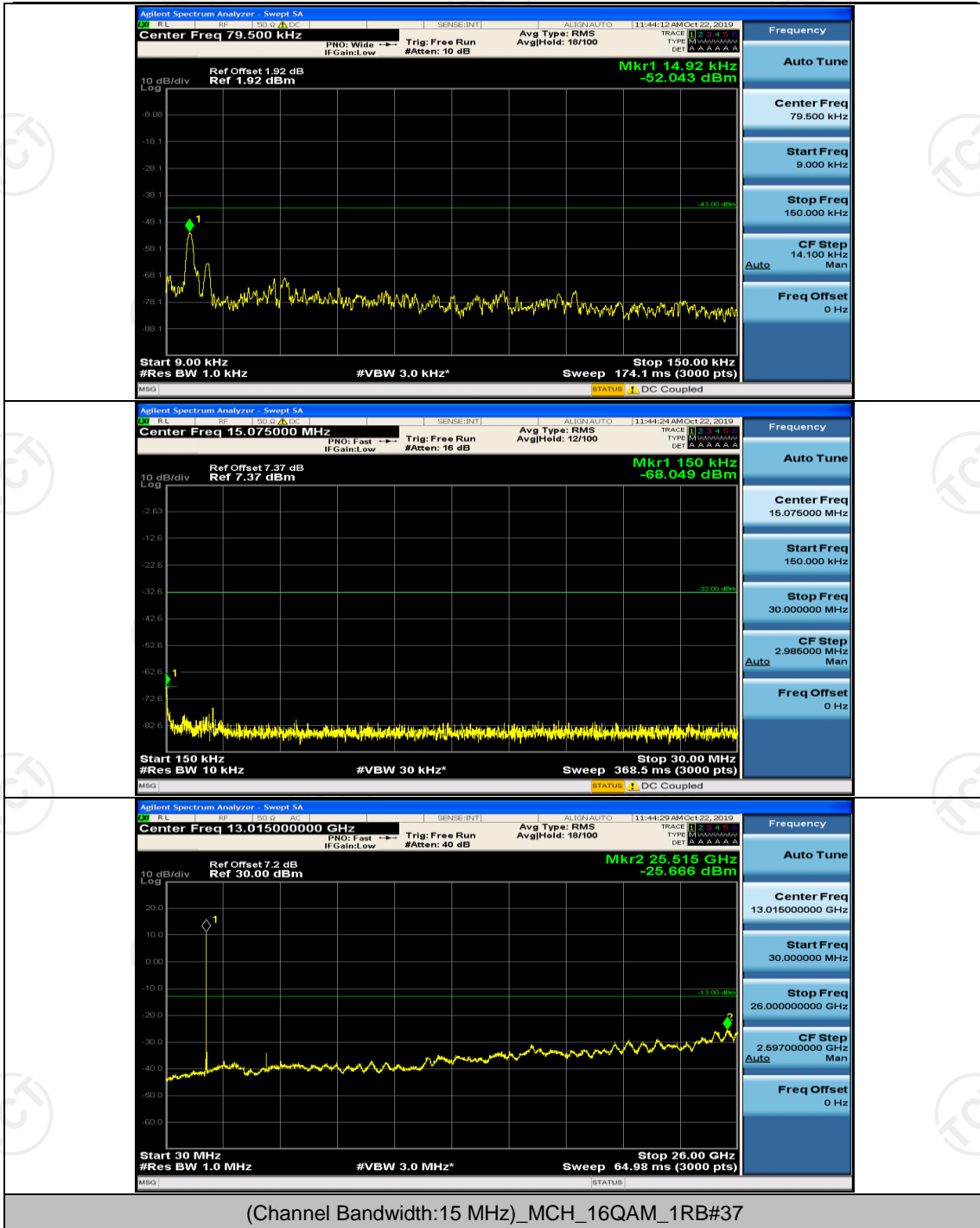
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

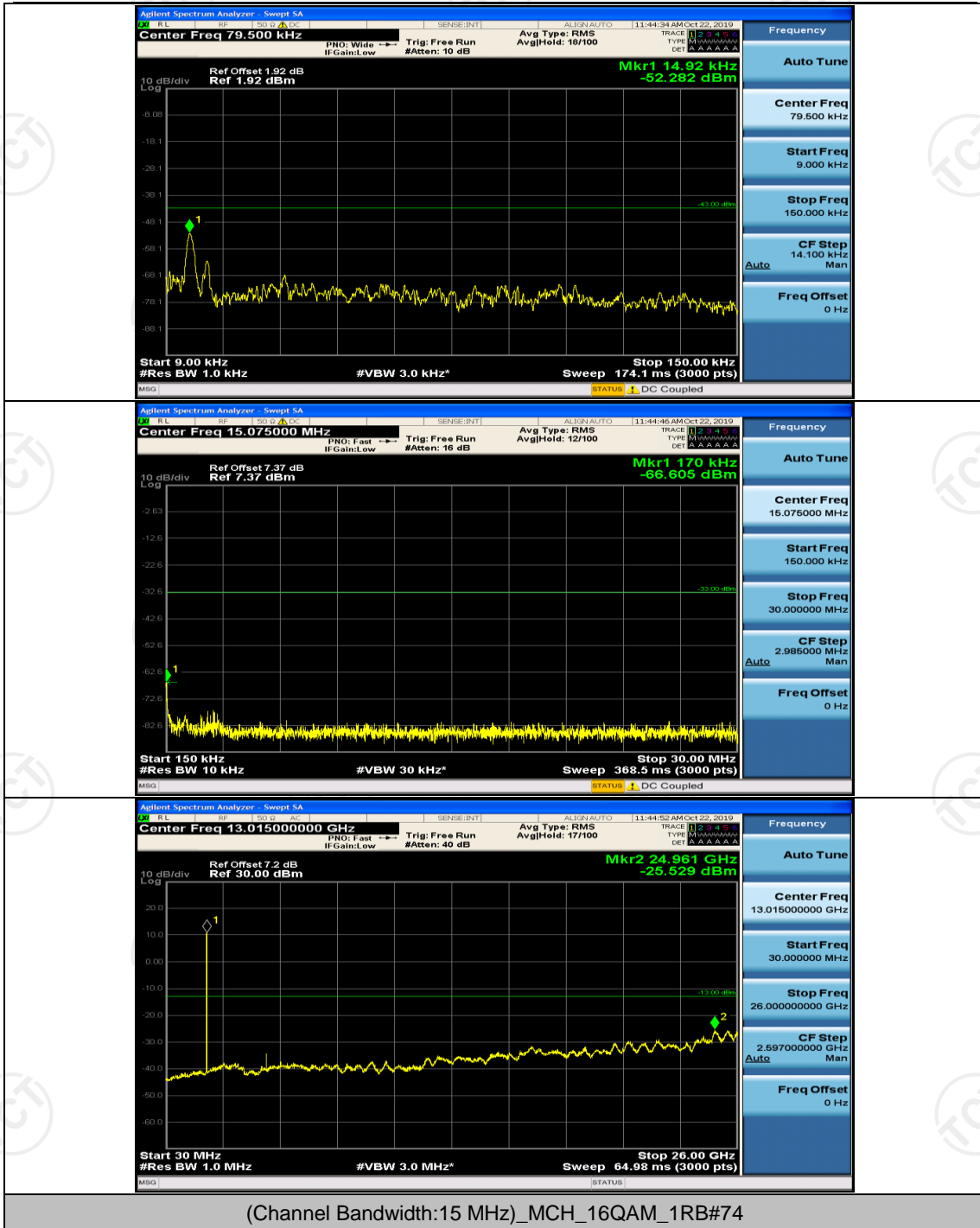


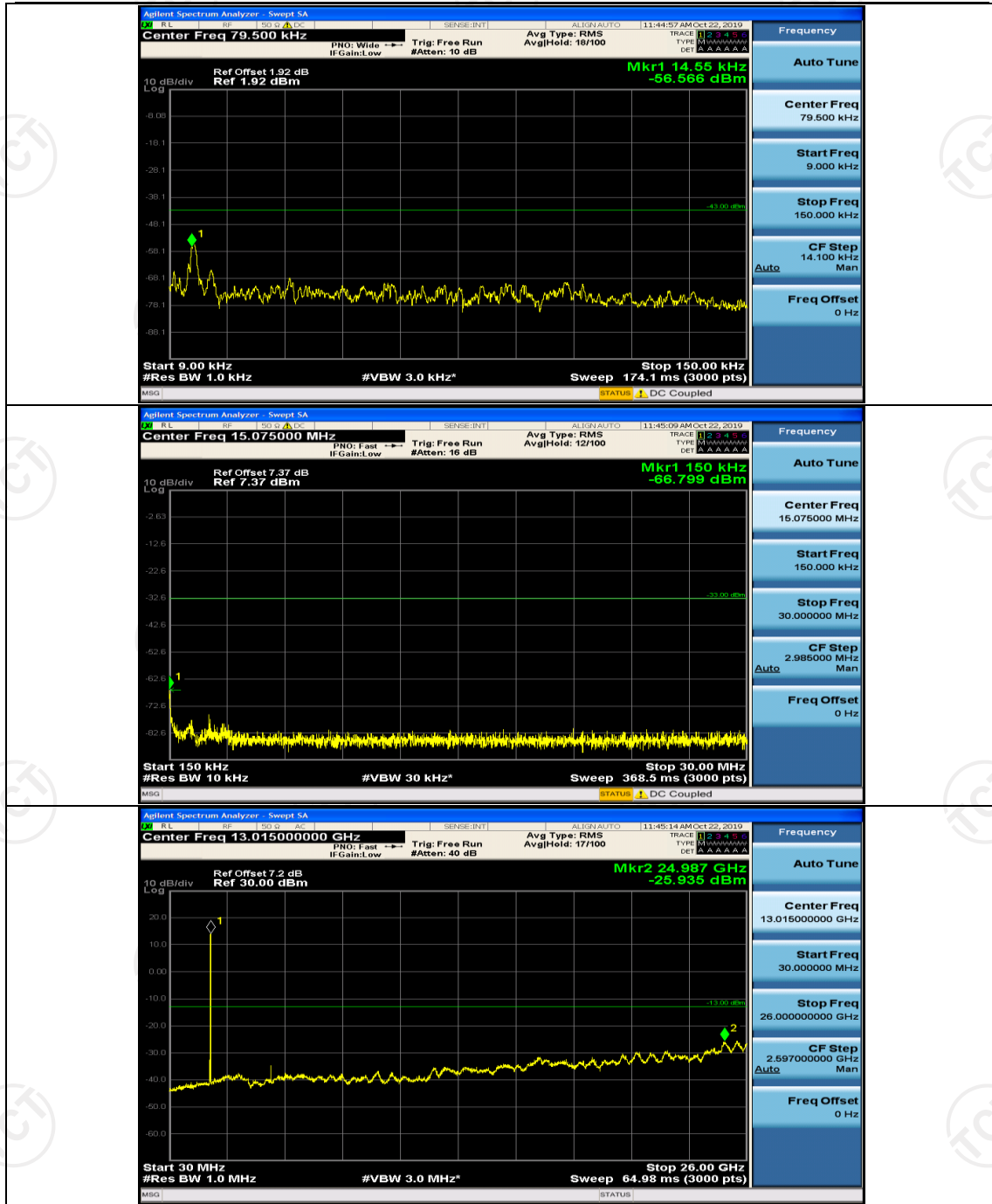




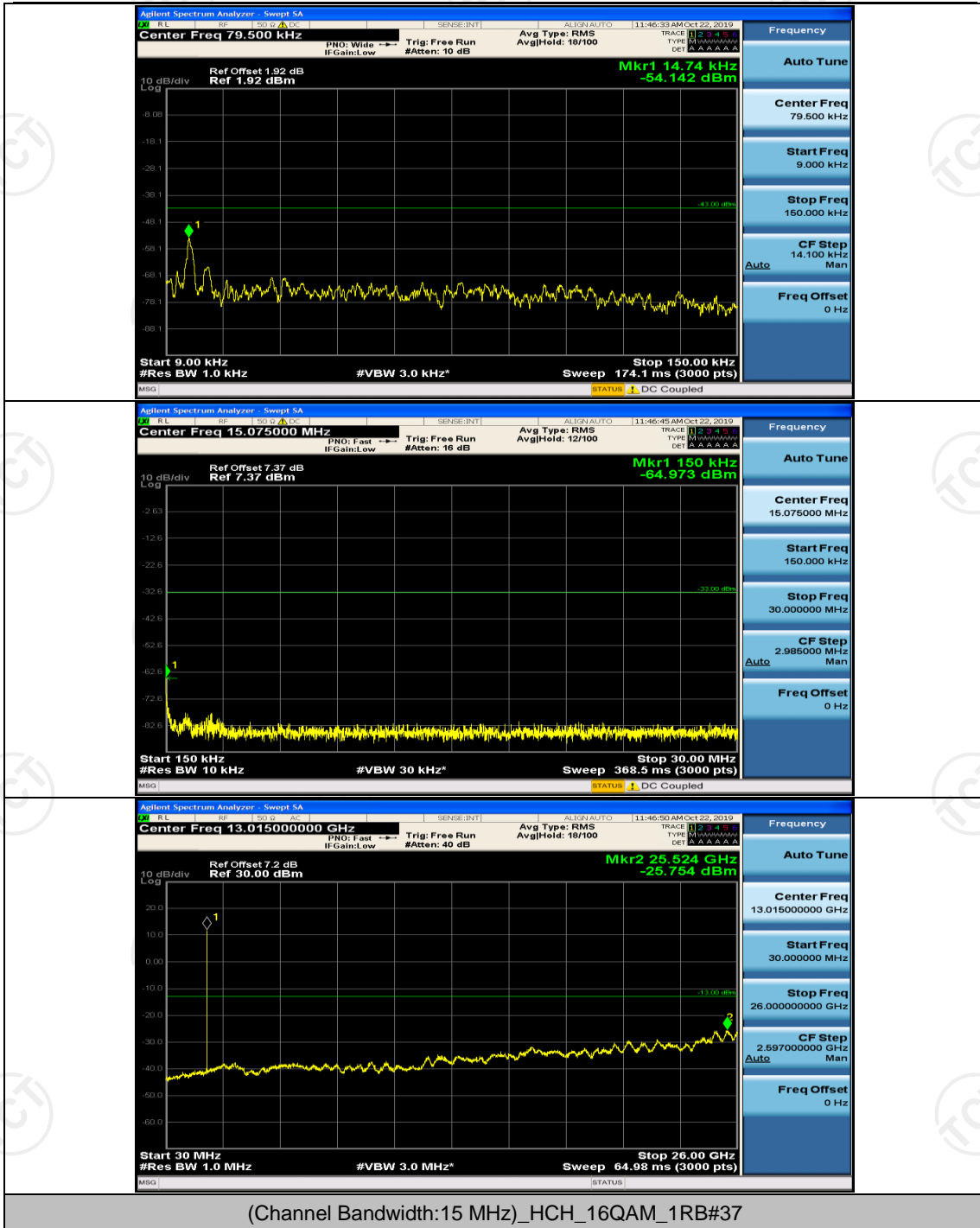
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

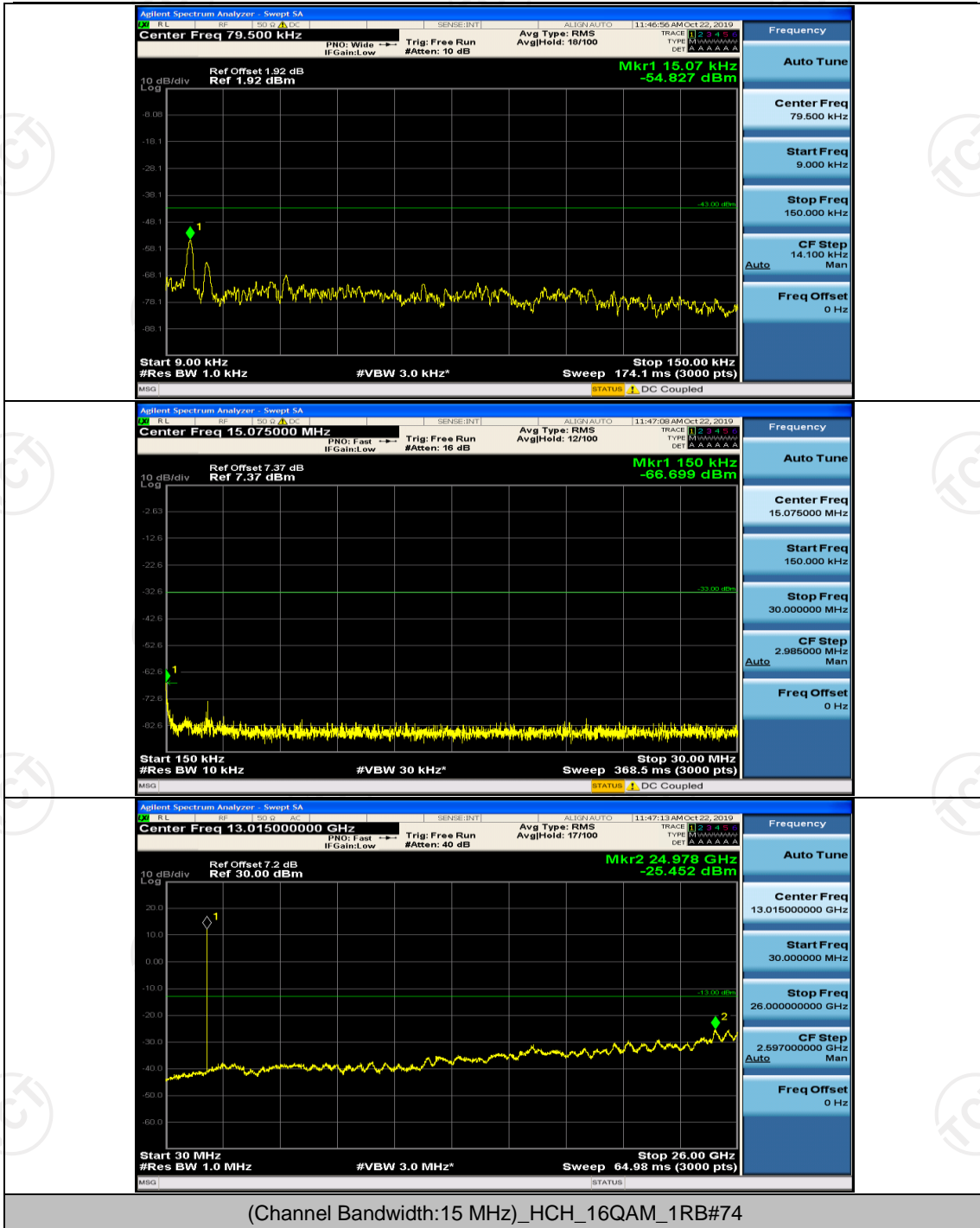


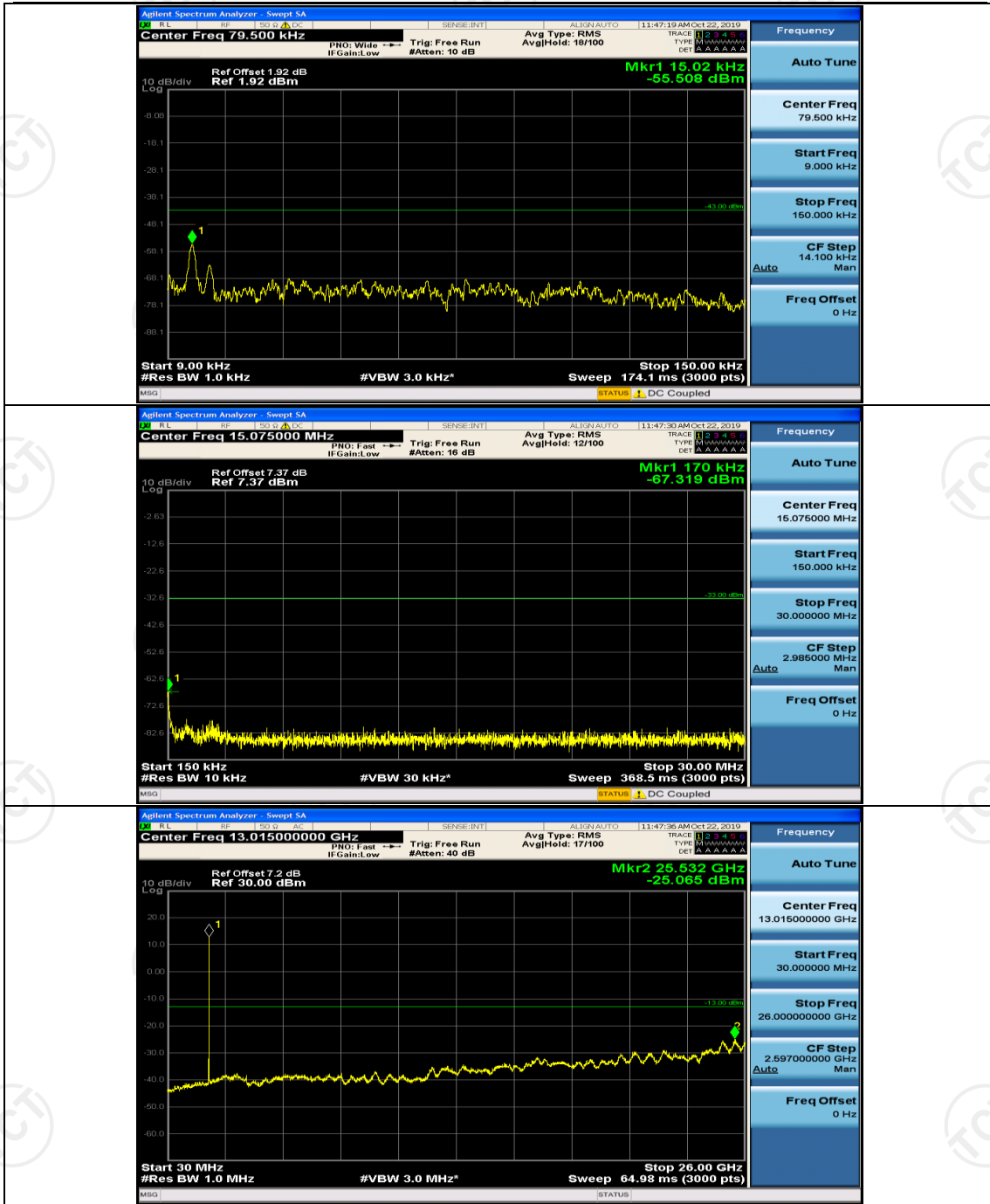




(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

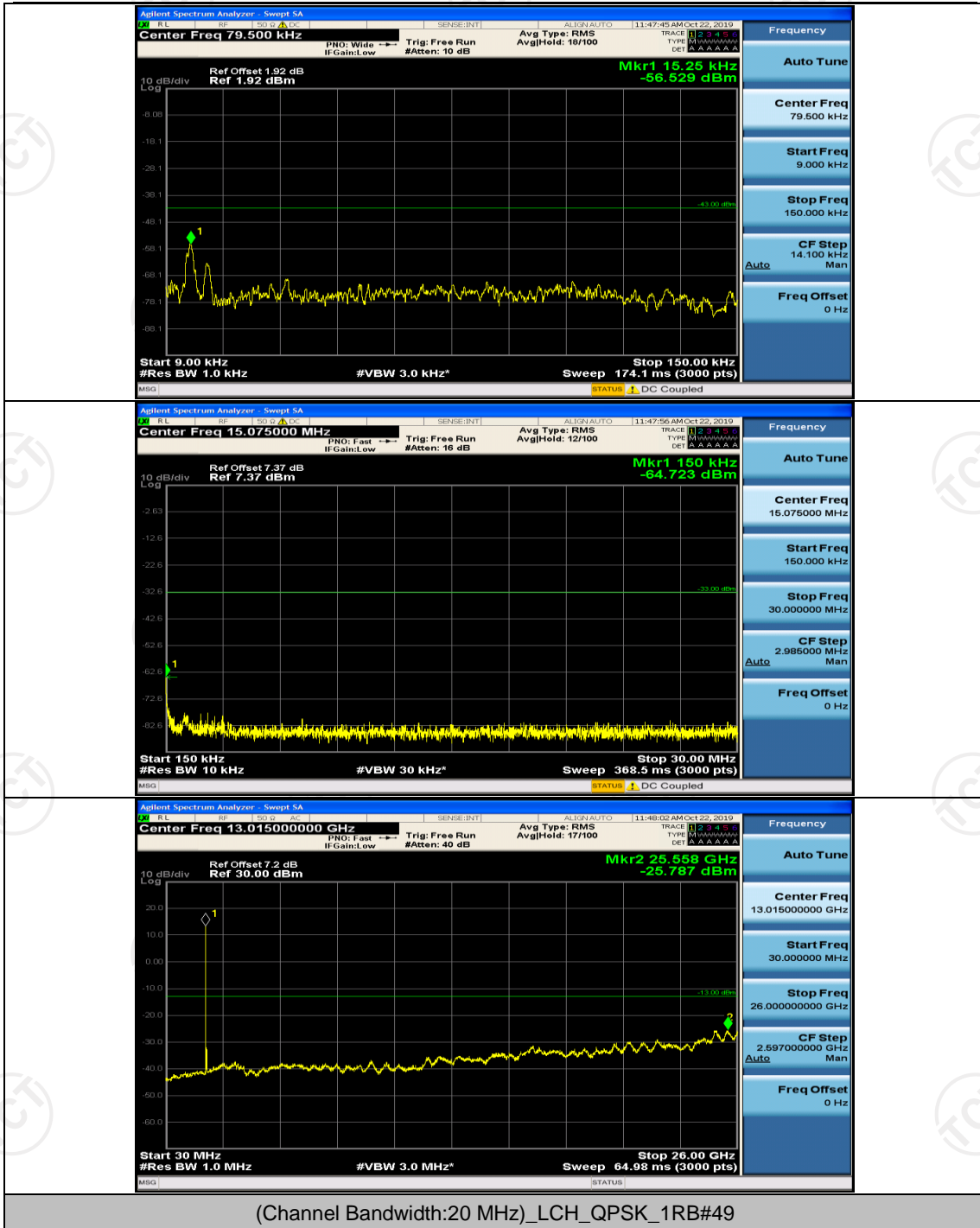


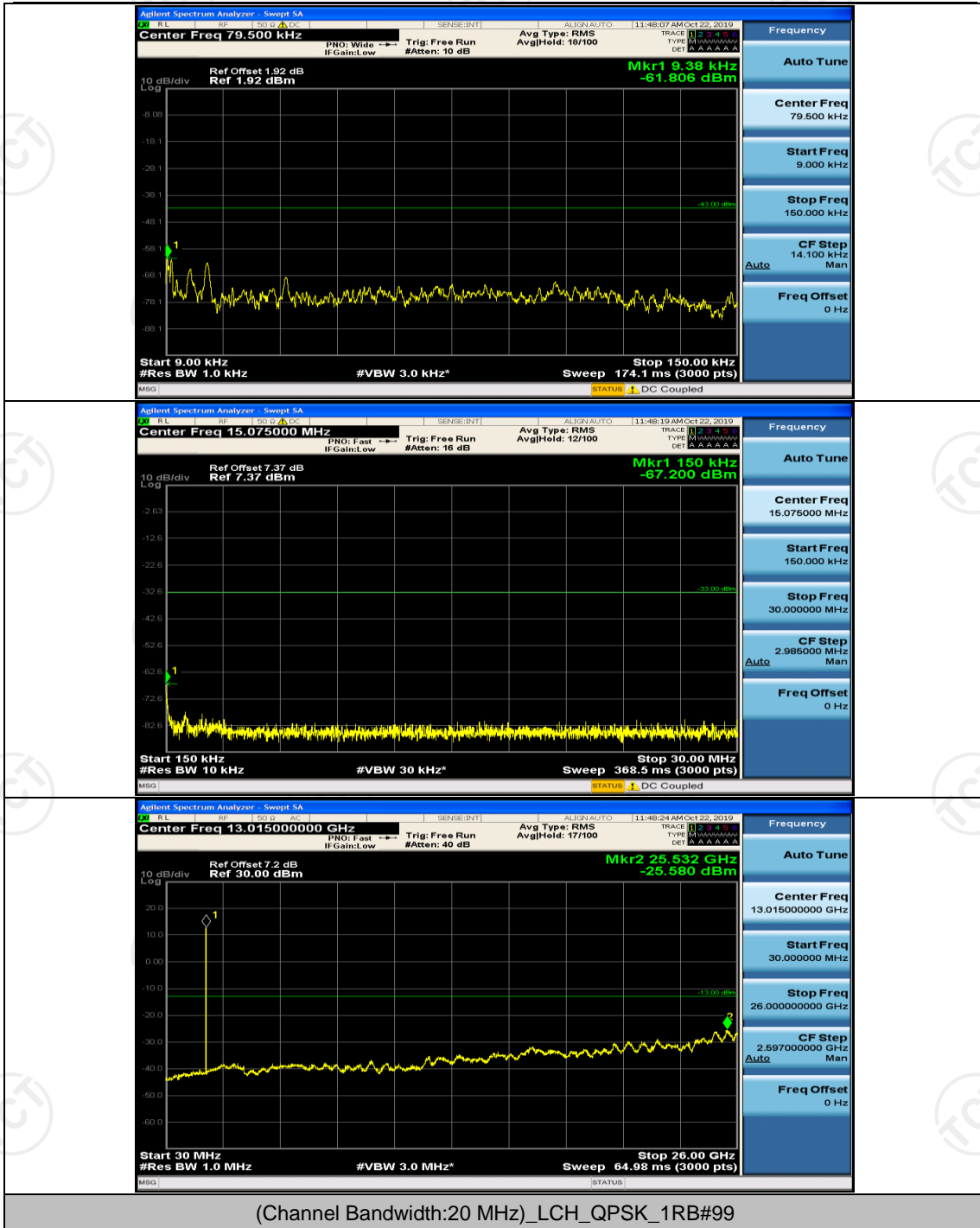


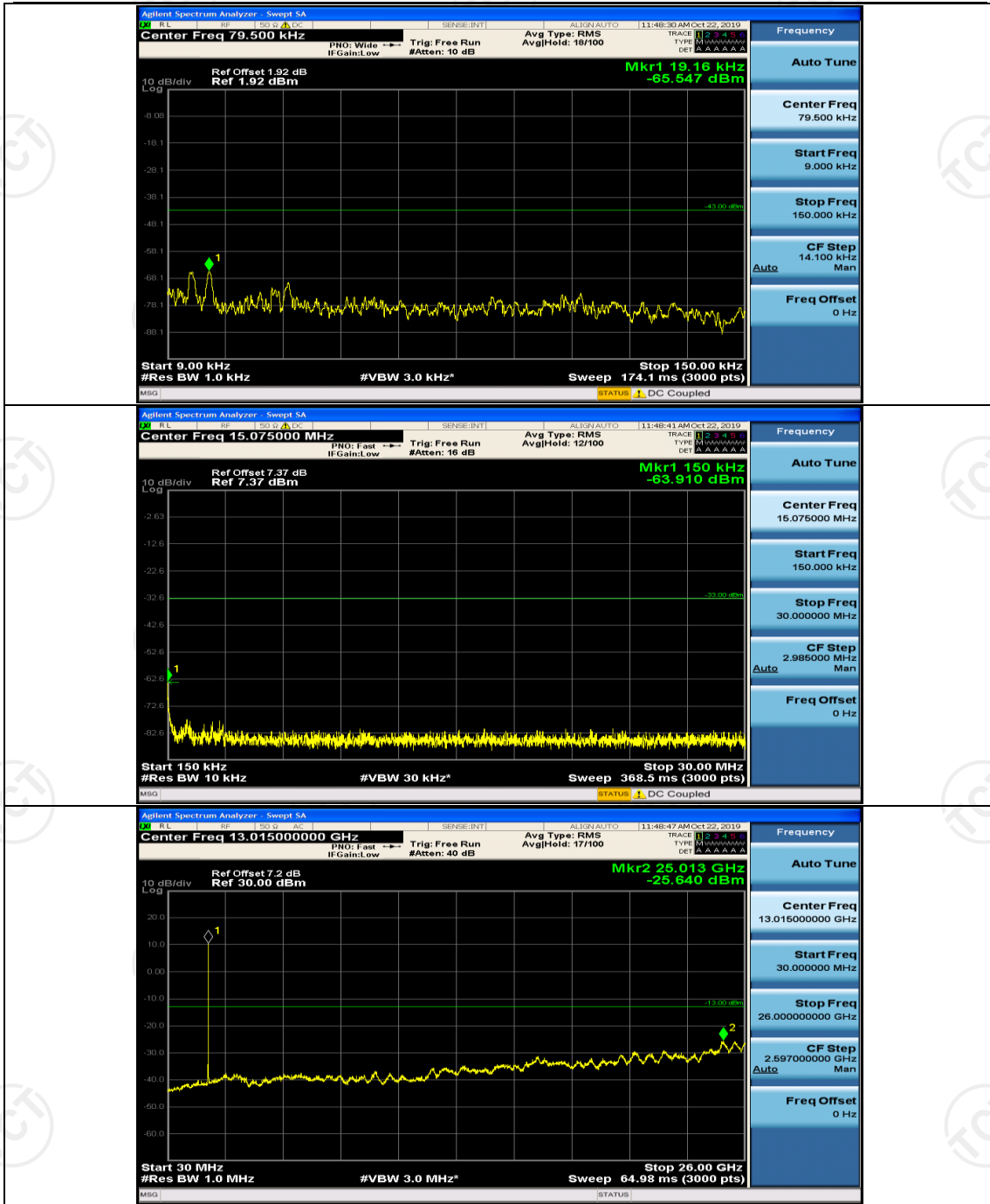


Channel Bandwidth: 20 MHz

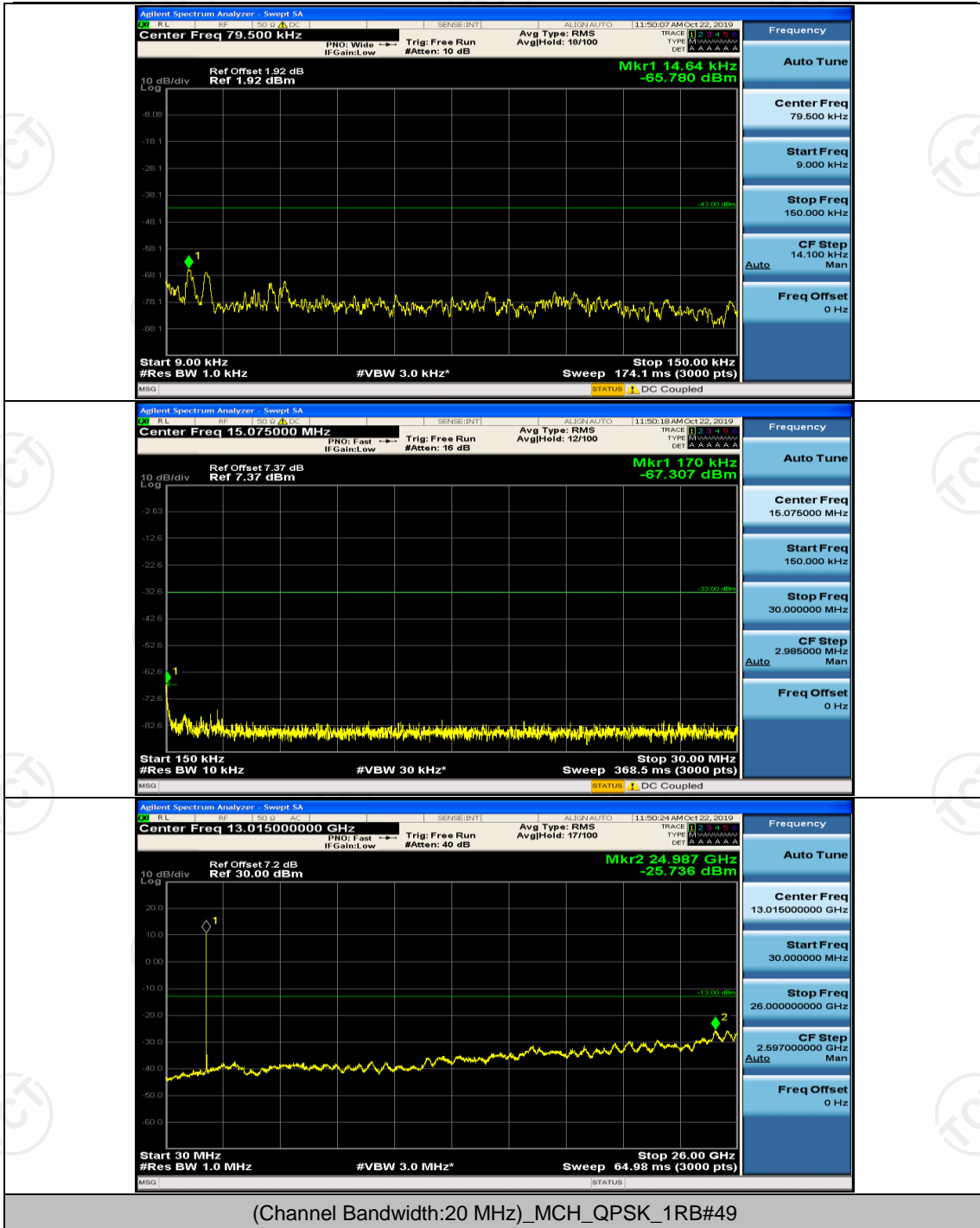
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

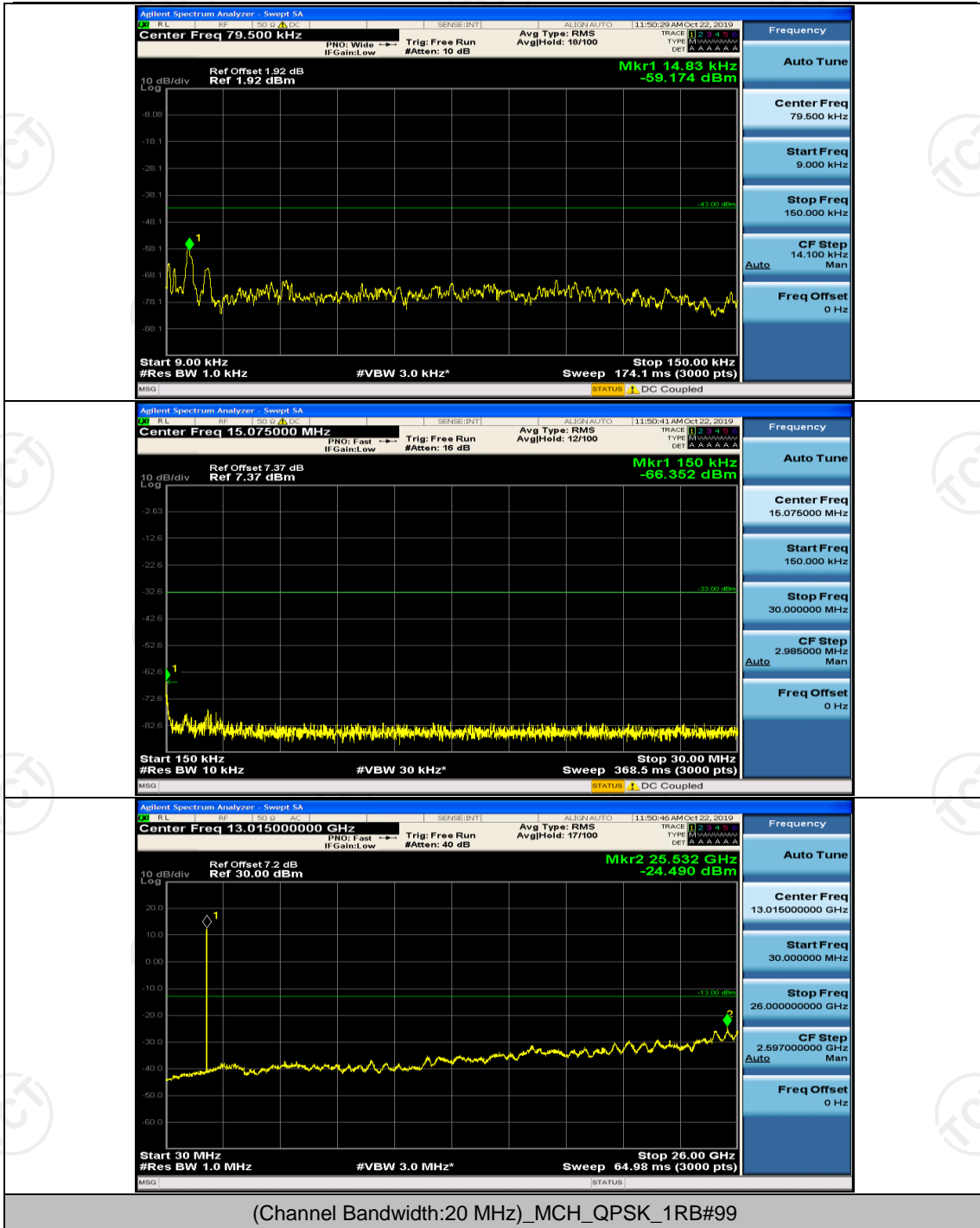


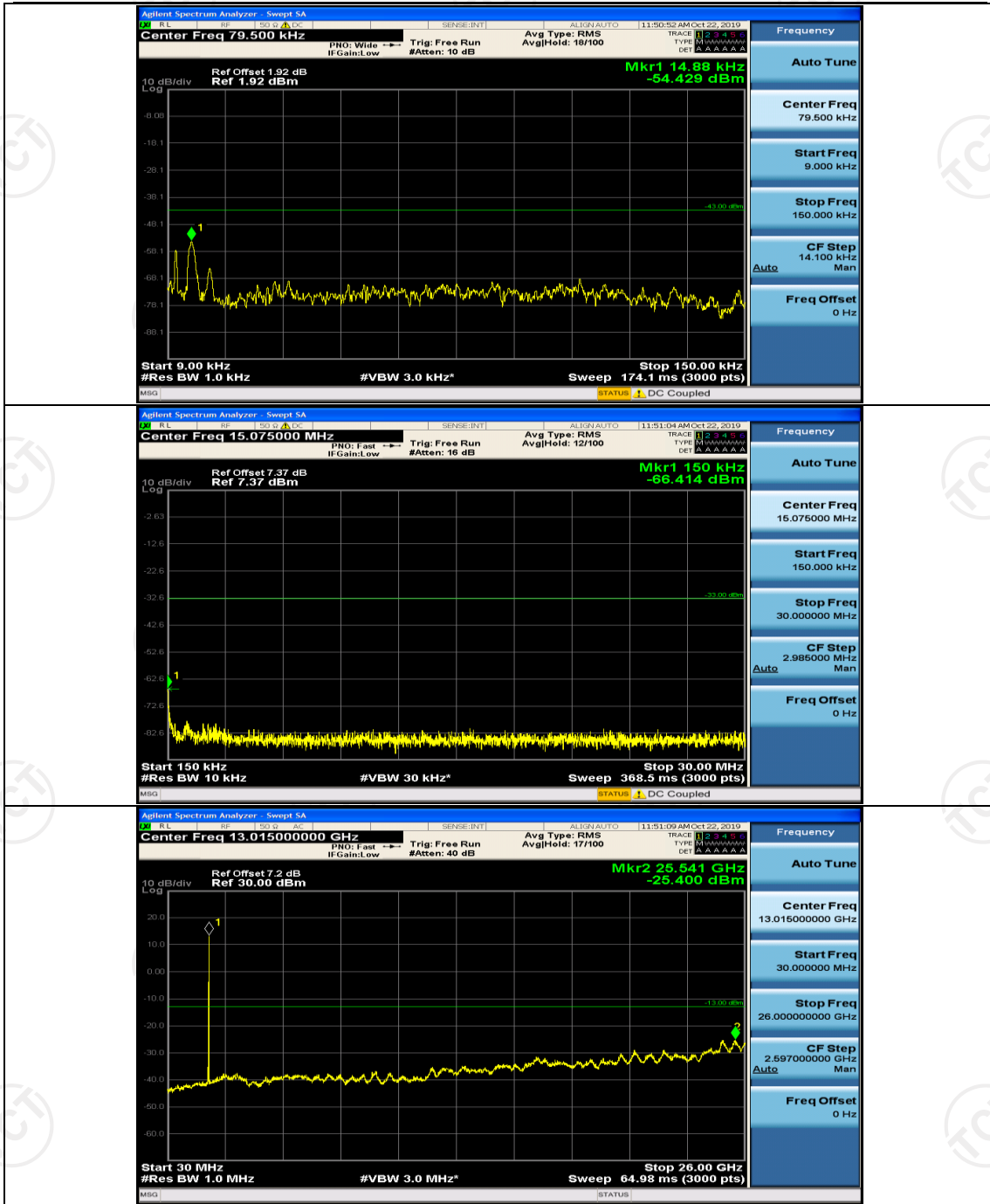




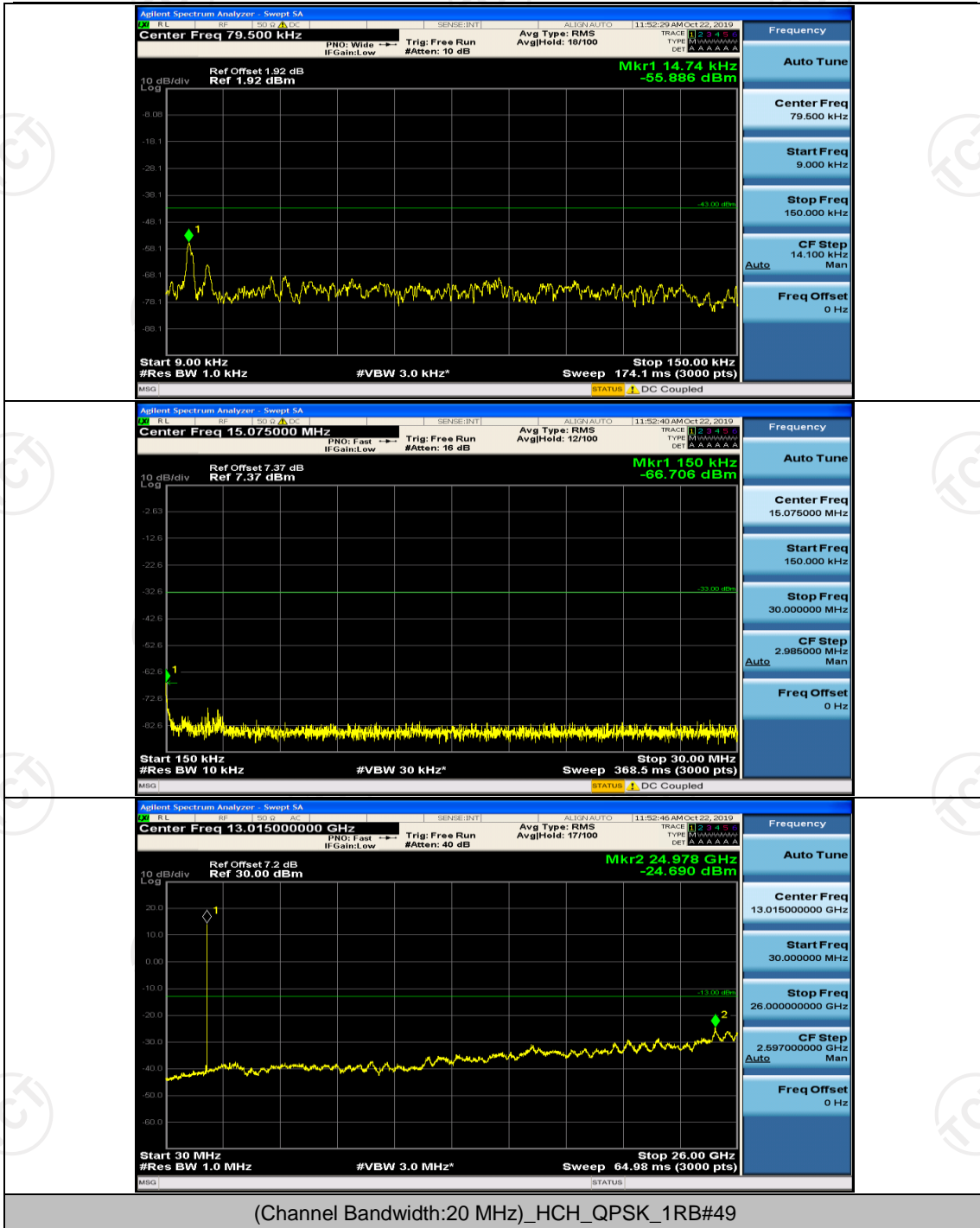
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

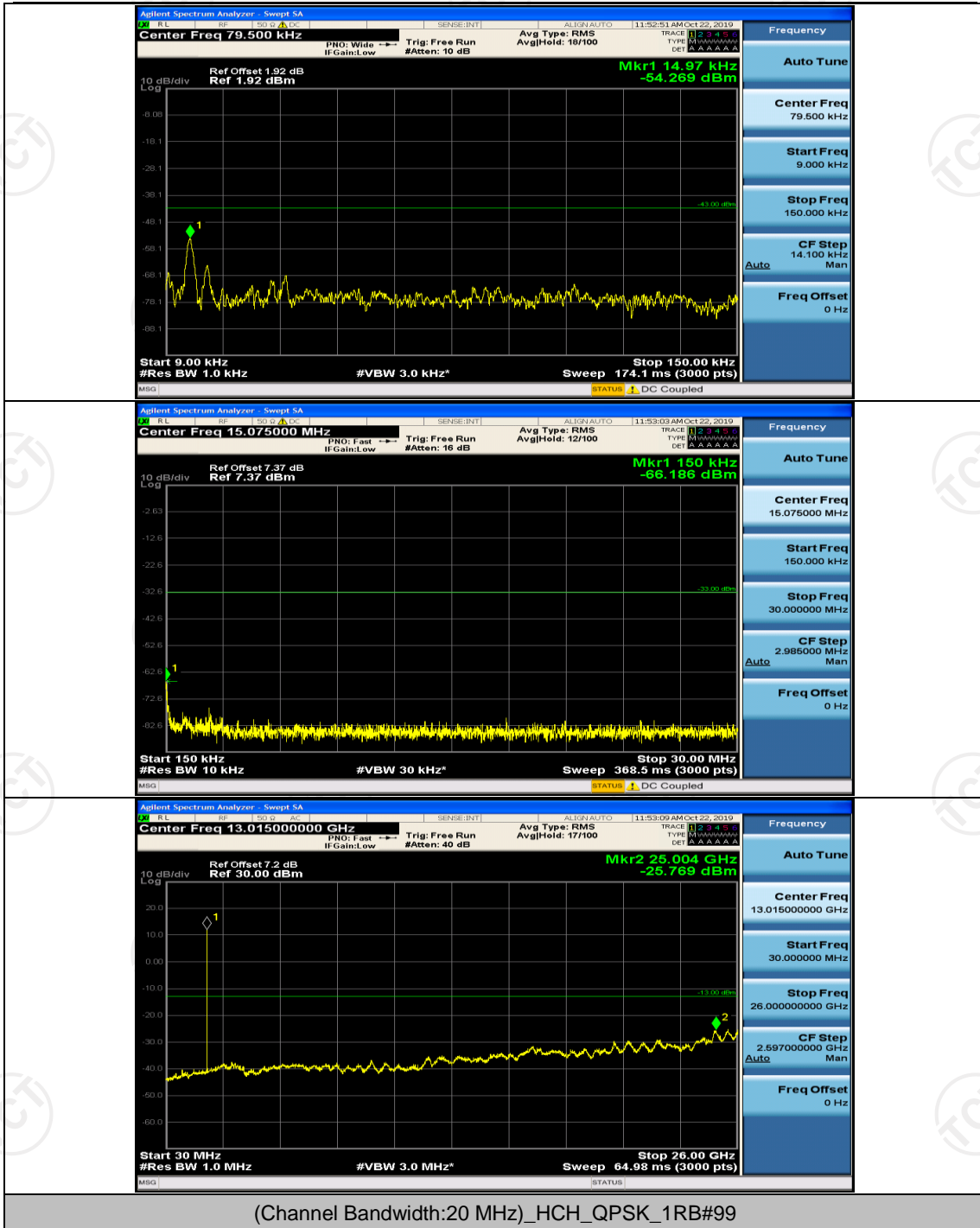


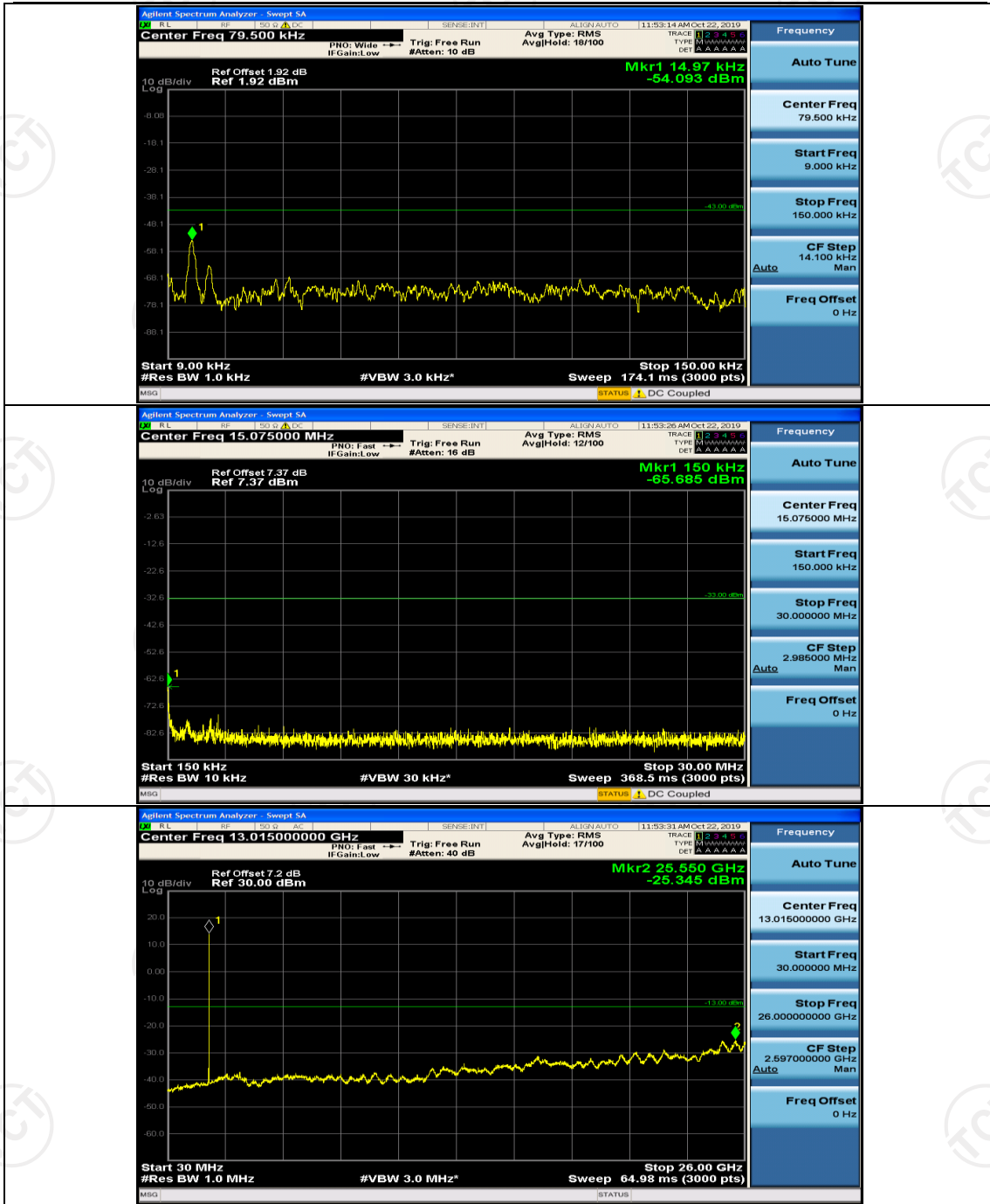




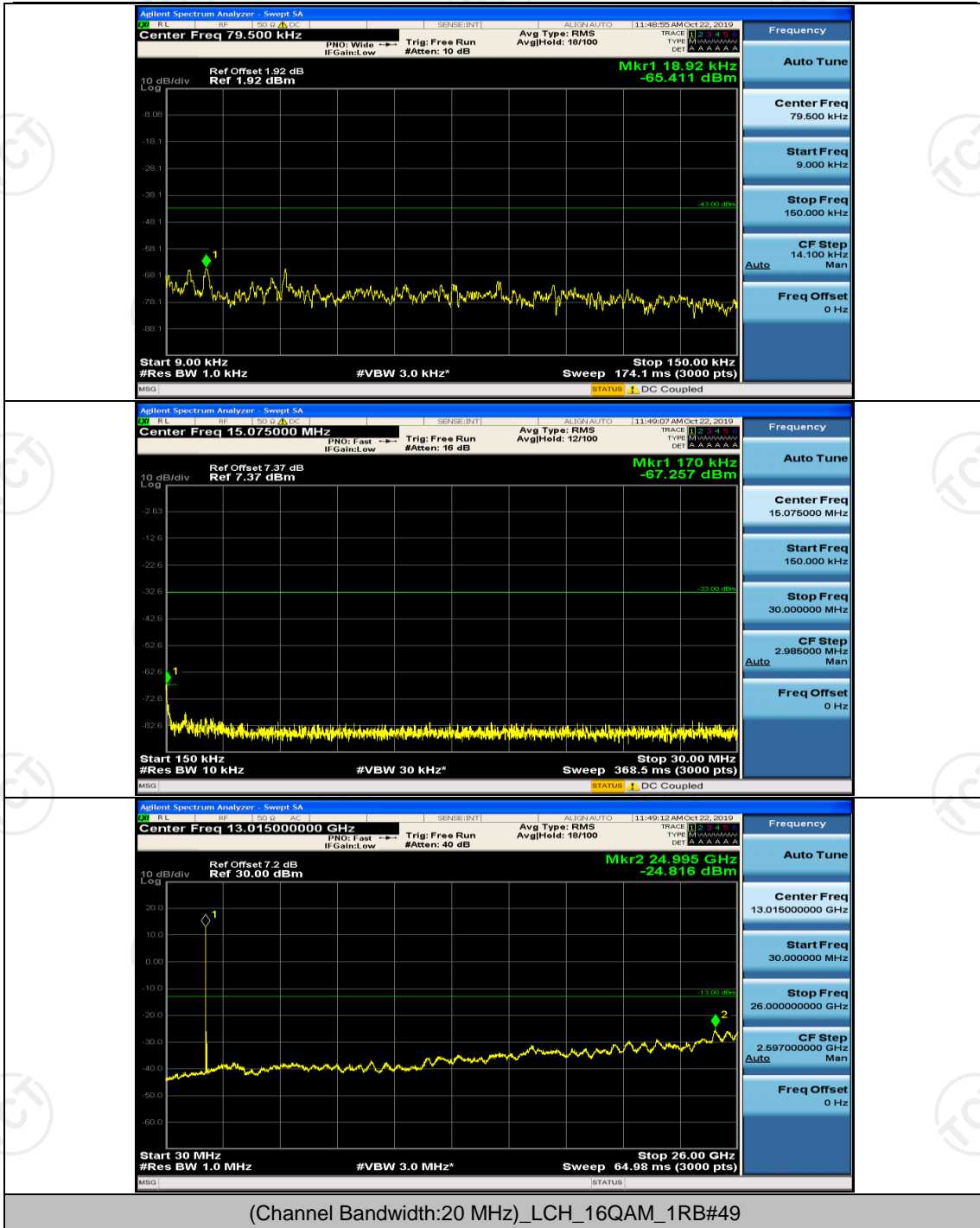
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

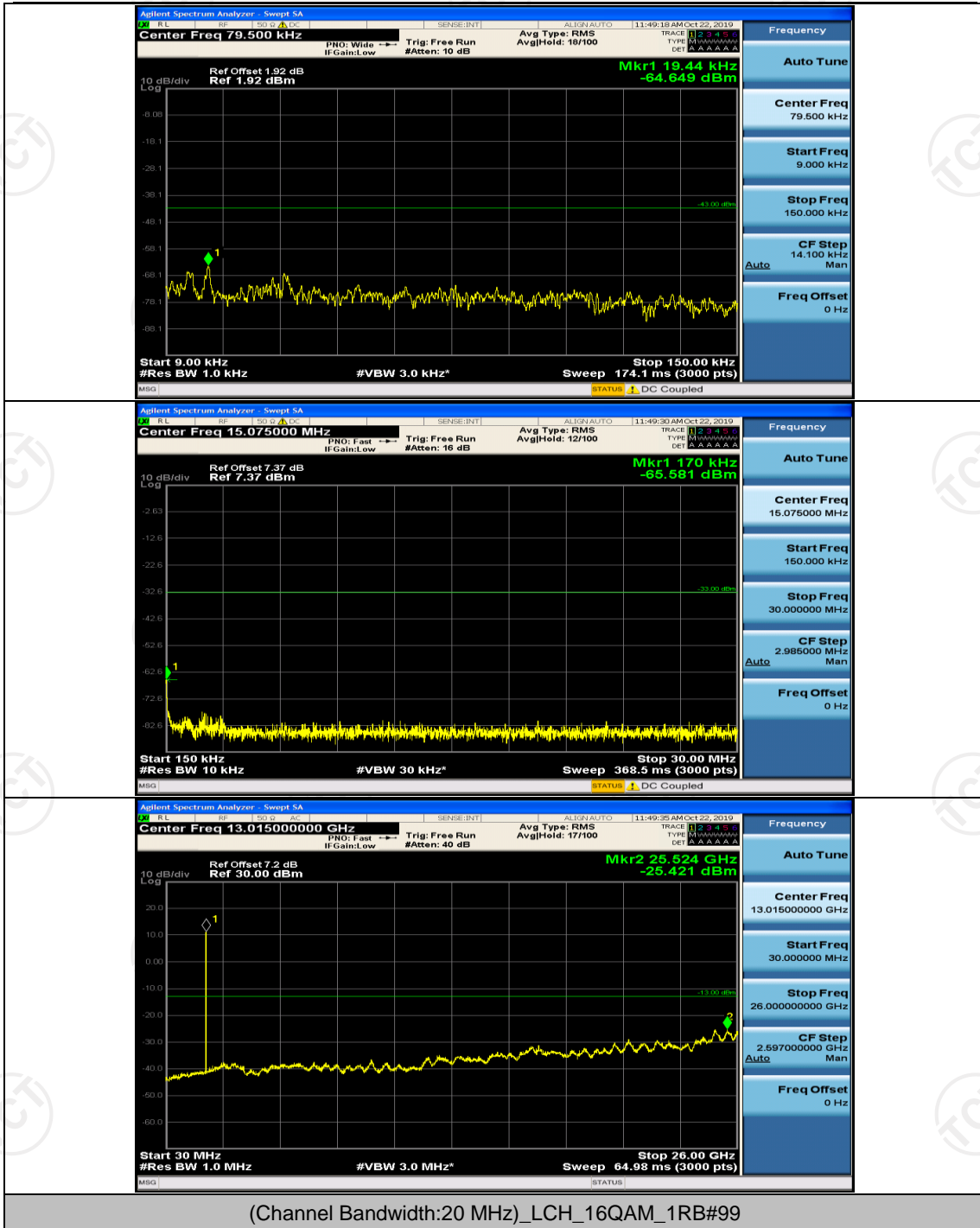


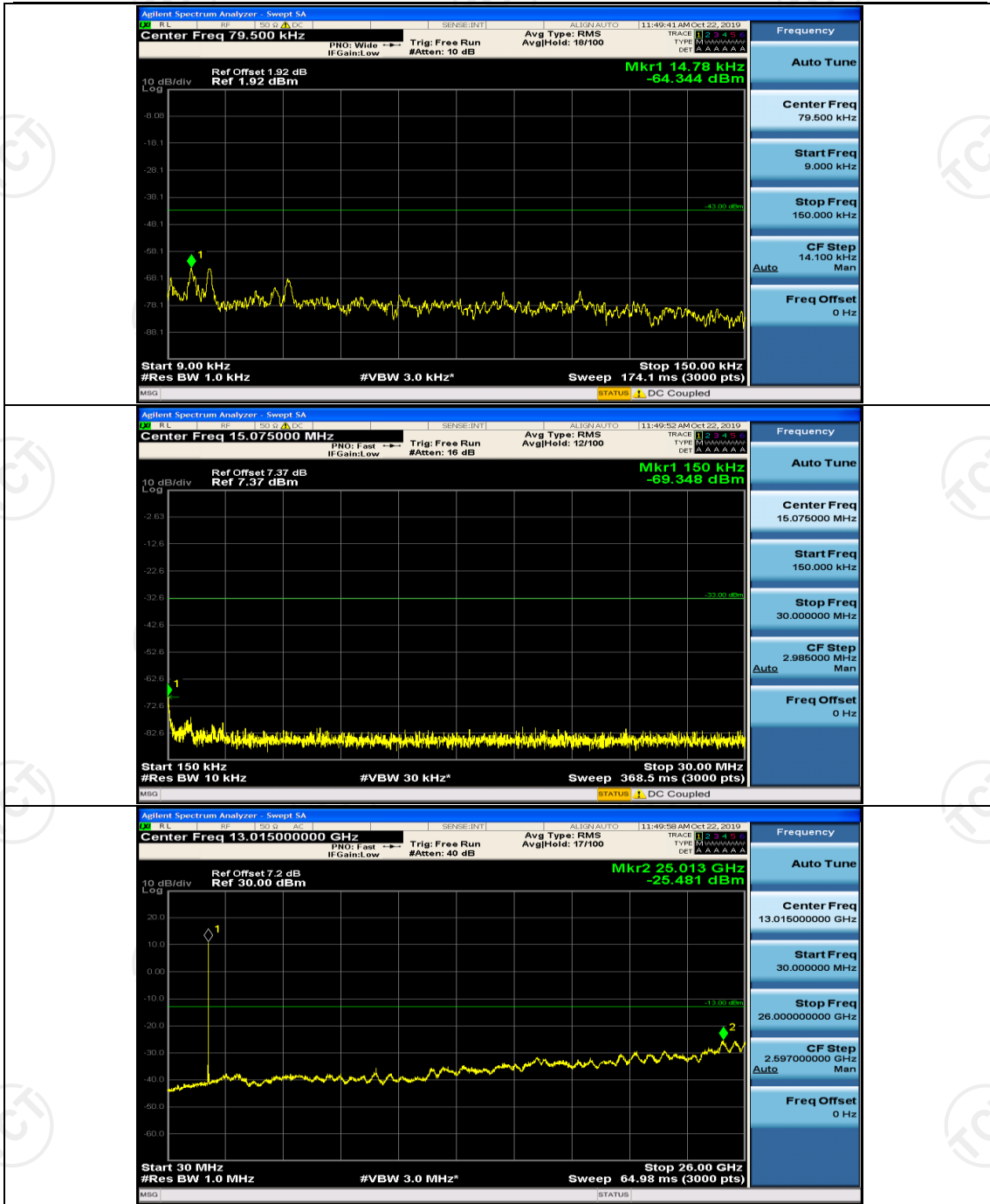




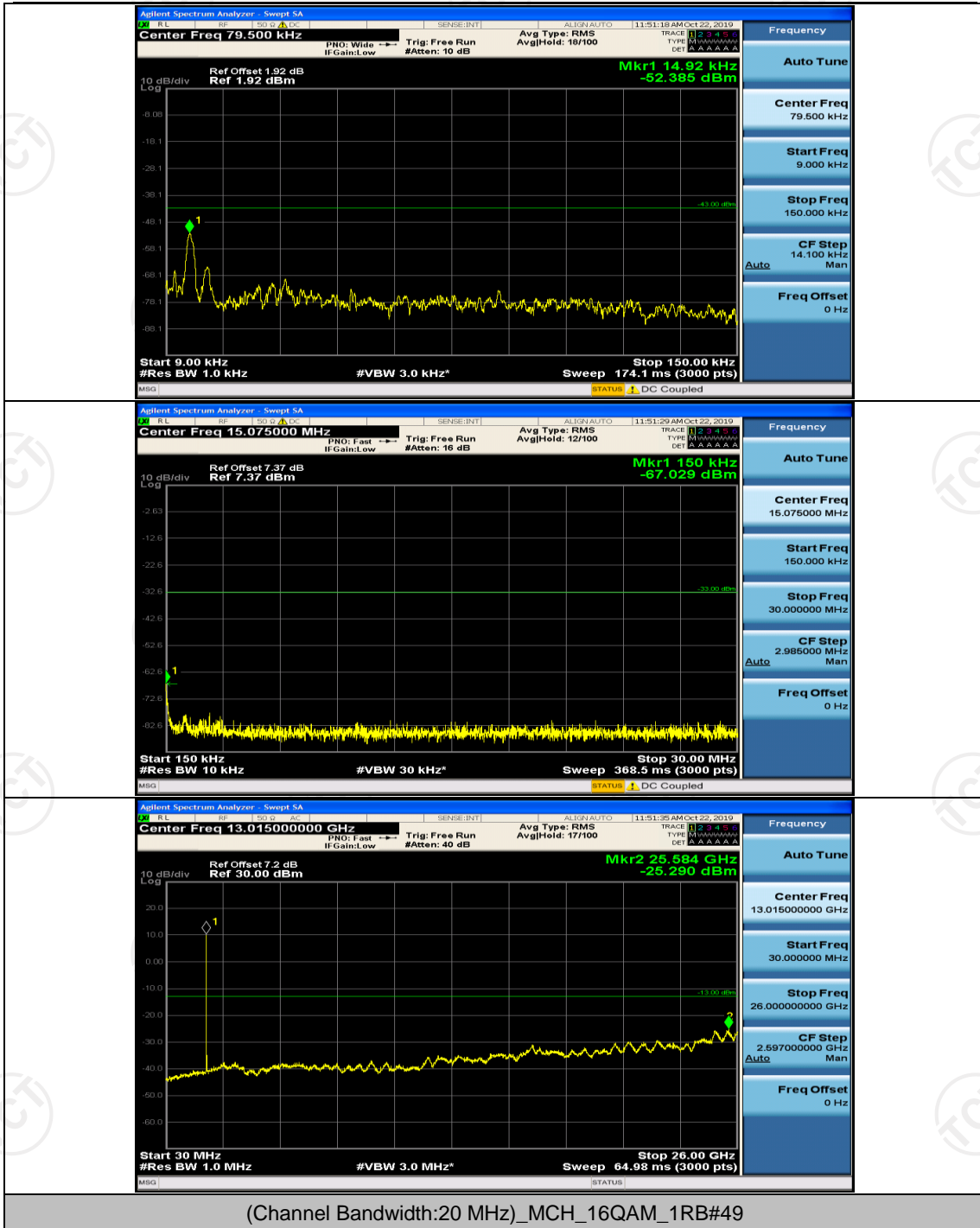
(Channel Bandwidth:20 MHz) LCH_16QAM_1RB#0

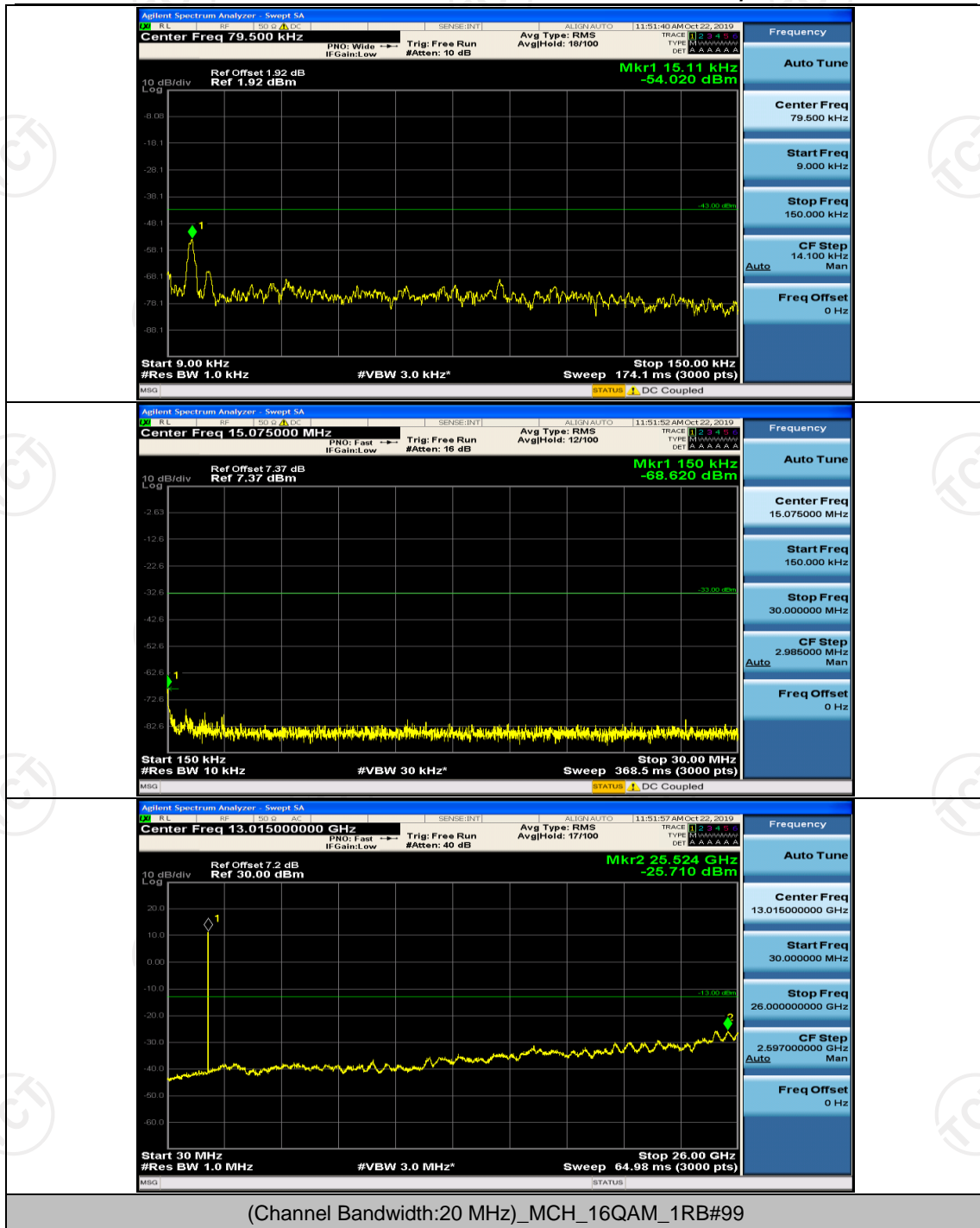


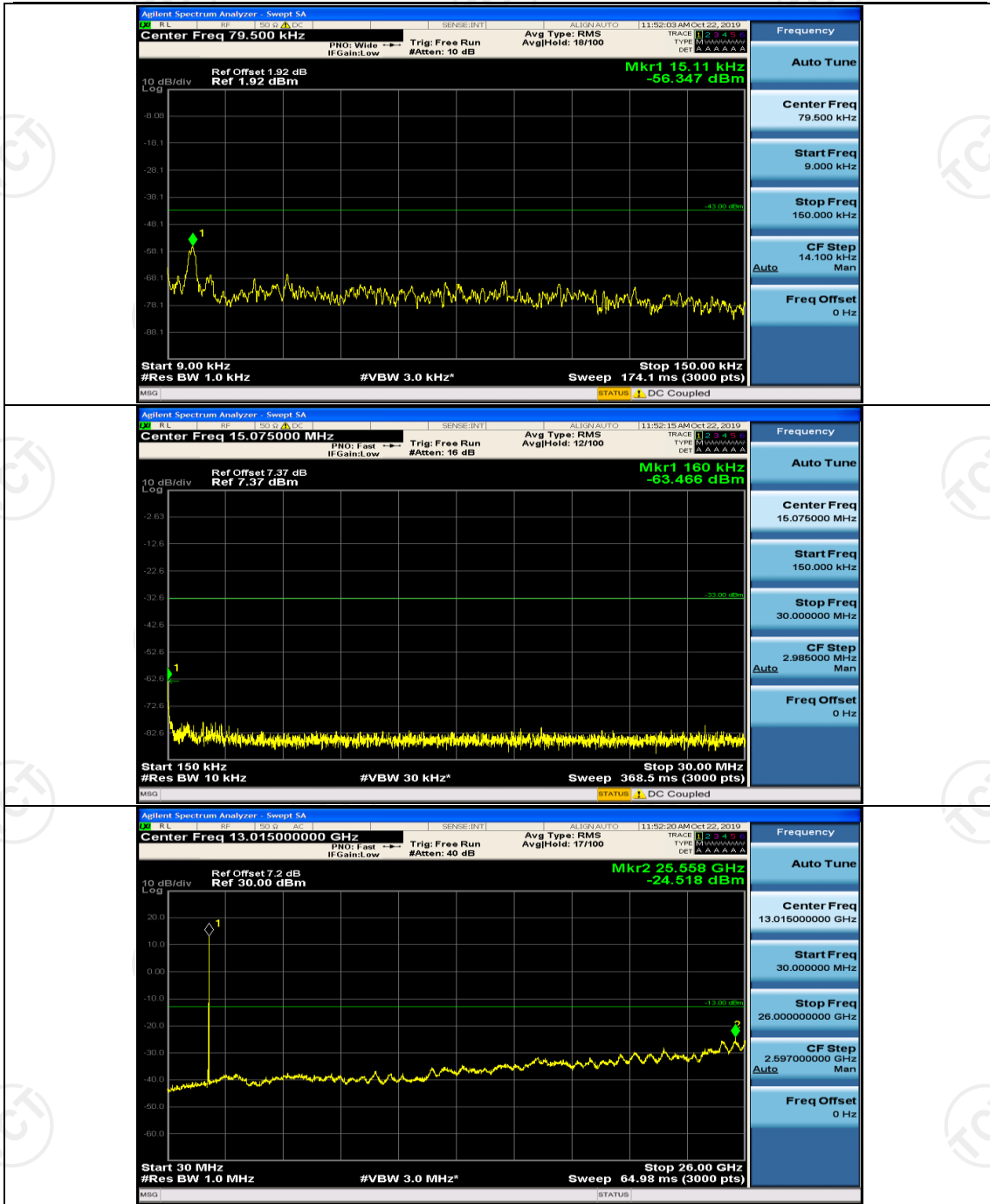




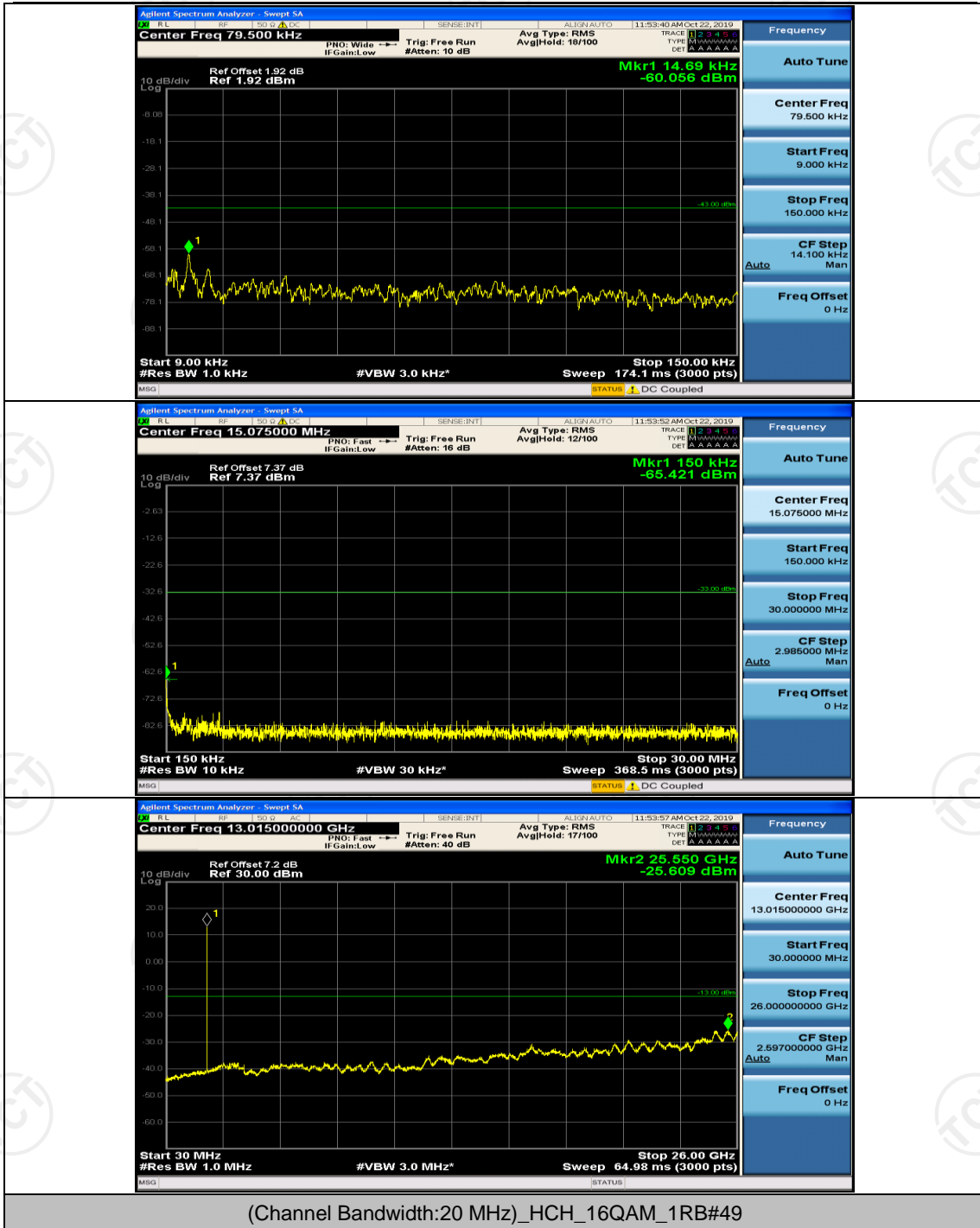
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

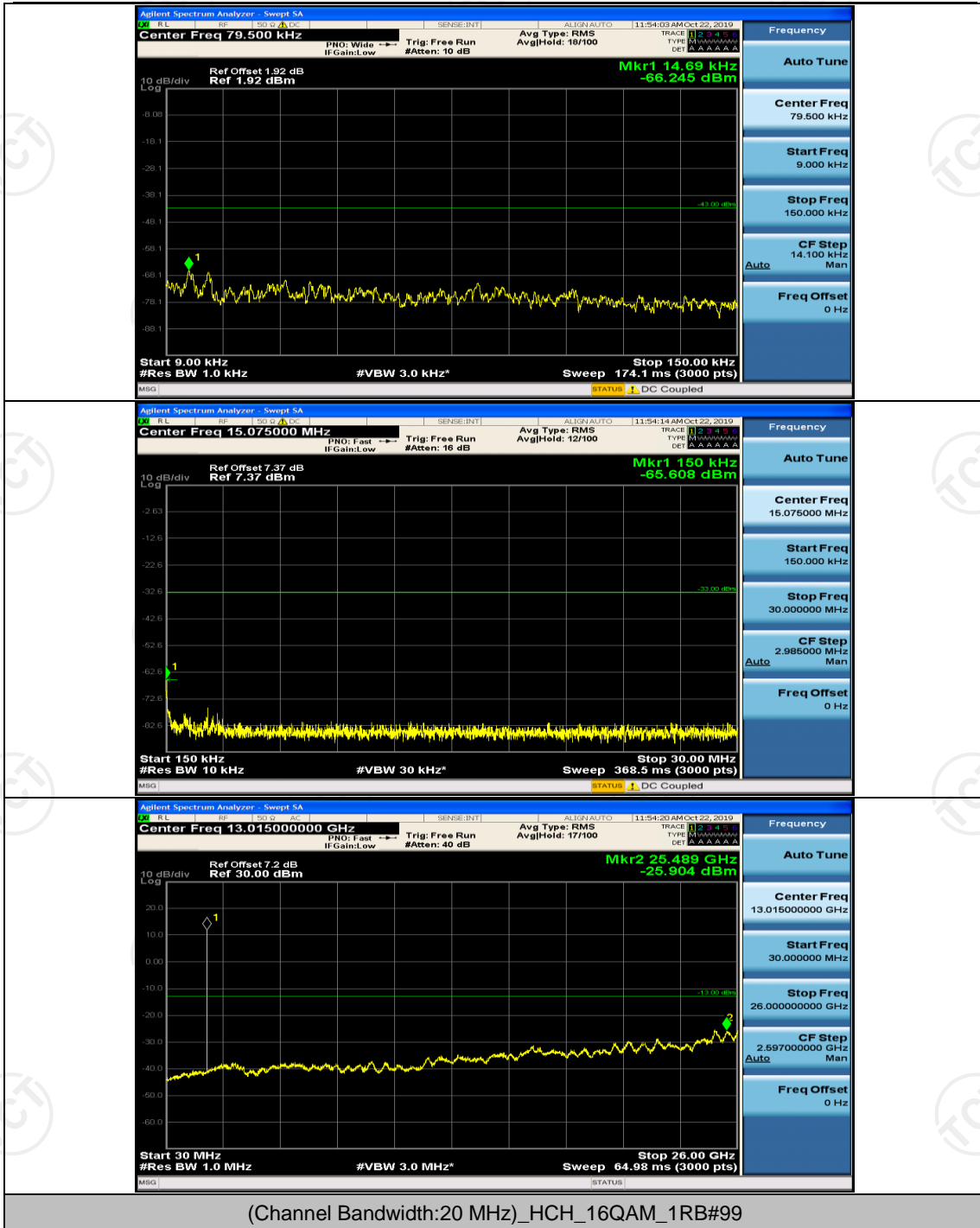


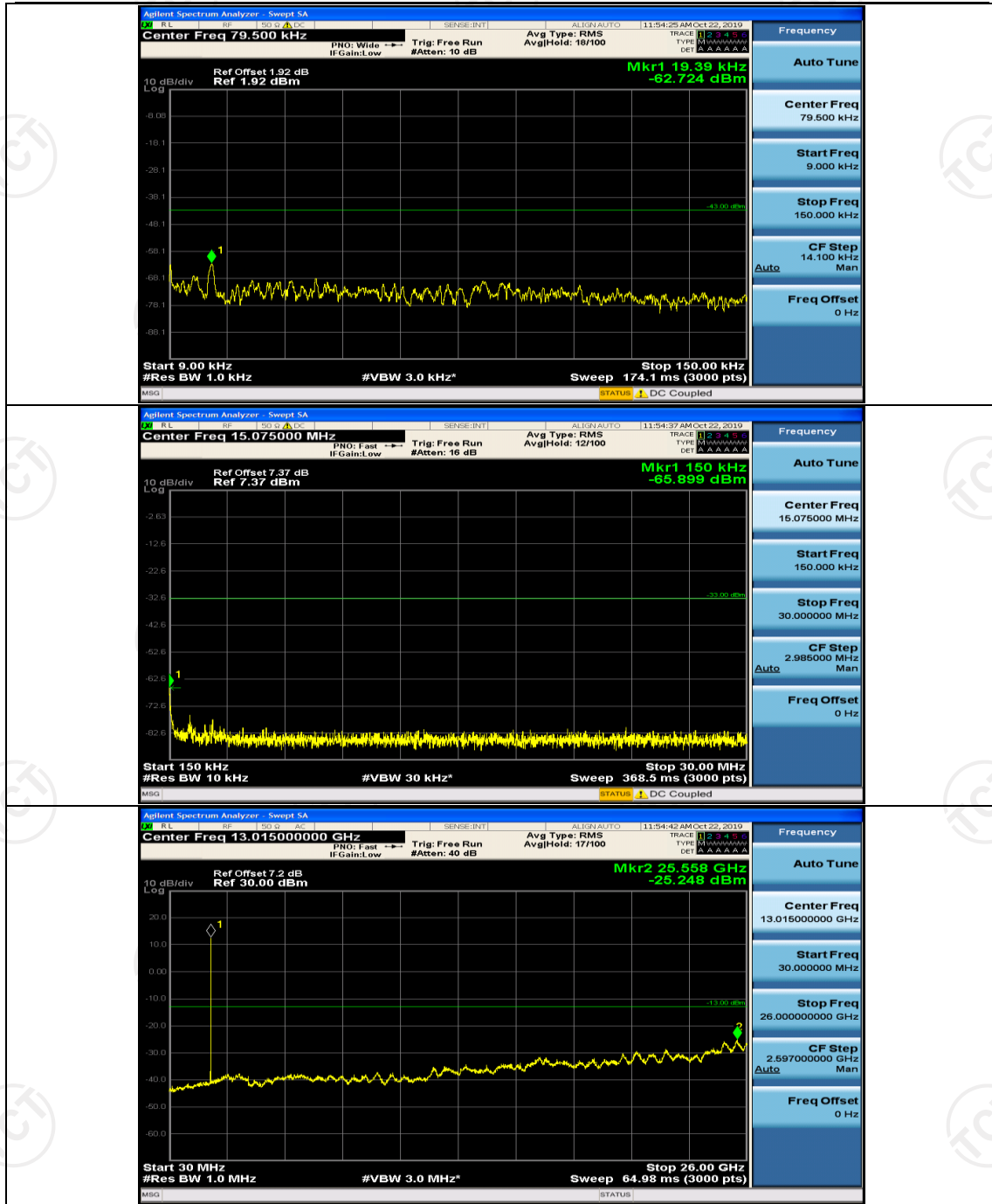




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0







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	3.4	25	-11.55	-0.006098	± 2.5	PASS
		3.7	25	-11.32	-0.006114	± 2.5	PASS
		4.2	25	-10.68	-0.005849	± 2.5	PASS
	MCH	3.4	25	-10.36	-0.005677	± 2.5	PASS
		3.7	25	-10.27	-0.005463	± 2.5	PASS
		4.2	25	-10.53	-0.005396	± 2.5	PASS
	HCH	3.4	25	-10.75	-0.005645	± 2.5	PASS
		3.7	25	-10.96	-0.005739	± 2.5	PASS
		4.2	25	-10.11	-0.005273	± 2.5	PASS
16QAM	LCH	3.4	25	-5.72	-0.002877	± 2.5	PASS
		3.7	25	-5.54	-0.002991	± 2.5	PASS
		4.2	25	-4.91	-0.002752	± 2.5	PASS
	MCH	3.4	25	-3.87	-0.002533	± 2.5	PASS
		3.7	25	-3.06	-0.001628	± 2.5	PASS
		4.2	25	-3.49	-0.001610	± 2.5	PASS
	HCH	3.4	25	-6.57	-0.003566	± 2.5	PASS
		3.7	25	-6.88	-0.003604	± 2.5	PASS
		4.2	25	-6.25	-0.003257	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	3.7	-30	-8.09	-0.004288	± 2.5	PASS
		3.7	-20	-7.68	-0.004012	± 2.5	PASS
		3.7	-10	-7.33	-0.003958	± 2.5	PASS
		3.7	0	-8.15	-0.004315	± 2.5	PASS
		3.7	10	-7.26	-0.003869	± 2.5	PASS
		3.7	20	-8.13	-0.004390	± 2.5	PASS
		3.7	30	-7.45	-0.004027	± 2.5	PASS
		3.7	40	-8.10	-0.004375	± 2.5	PASS
		3.7	50	-6.95	-0.003757	± 2.5	PASS
	MCH	3.7	-30	-6.31	-0.003242	± 2.5	PASS
		3.7	-20	-6.08	-0.003159	± 2.5	PASS
		3.7	-10	-6.44	-0.003558	± 2.5	PASS
		3.7	0	-3.95	-0.002957	± 2.5	PASS
		3.7	10	-3.76	-0.002872	± 2.5	PASS

		3.7	20	-2.78	-0.001476	± 2.5	PASS	
		3.7	30	-2.90	-0.001545	± 2.5	PASS	
		3.7	40	-4.13	-0.002199	± 2.5	PASS	
		3.7	50	-6.84	-0.003637	± 2.5	PASS	
	HCH	3.7	-30	-6.57	-0.003515	± 2.5	PASS	
		3.7	-20	-5.93	-0.003118	± 2.5	PASS	
		3.7	-10	-5.81	-0.003107	± 2.5	PASS	
		3.7	0	-5.62	-0.003095	± 2.5	PASS	
		3.7	10	-6.13	-0.003257	± 2.5	PASS	
		3.7	20	-6.48	-0.003394	± 2.5	PASS	
		3.7	30	-7.87	-0.004121	± 2.5	PASS	
		3.7	40	-11.69	-0.006121	± 2.5	PASS	
		3.7	50	-8.61	-0.004510	± 2.5	PASS	
		16QAM	LCH	3.7	-30	-7.51	-0.003967	± 2.5
3.7	-20			-7.39	-0.003910	± 2.5	PASS	
3.7	-10			-7.26	-0.003899	± 2.5	PASS	
3.7	0			-7.03	-0.003733	± 2.5	PASS	
3.7	10			-5.67	-0.002856	± 2.5	PASS	
3.7	20			-5.54	-0.002991	± 2.5	PASS	
3.7	30			-5.29	-0.002860	± 2.5	PASS	
3.7	40			-7.21	-0.003896	± 2.5	PASS	
MCH	3.7		50	-8.00	-0.004321	± 2.5	PASS	
	3.7		-30	-6.77	-0.003695	± 2.5	PASS	
	3.7		-20	-6.51	-0.003617	± 2.5	PASS	
	3.7		-10	-6.49	-0.003586	± 2.5	PASS	
	3.7		0	-6.35	-0.003573	± 2.5	PASS	
	3.7		10	-1.37	-0.000751	± 2.5	PASS	
	3.7		20	-1.46	-0.000776	± 2.5	PASS	
	3.7		30	-7.85	-0.004177	± 2.5	PASS	
HCH	3.7		40	-4.65	-0.002473	± 2.5	PASS	
	3.7		50	-5.06	-0.002694	± 2.5	PASS	
	3.7		-30	-8.99	-0.004513	± 2.5	PASS	
	3.7		-20	-8.64	-0.004457	± 2.5	PASS	
	3.7		-10	-8.55	-0.004429	± 2.5	PASS	
	3.7		0	-8.32	-0.004328	± 2.5	PASS	
	3.7		10	-8.16	-0.004219	± 2.5	PASS	
	3.7		20	-10.60	-0.005552	± 2.5	PASS	
			3.7	30	-10.40	-0.005447	± 2.5	PASS
			3.7	40	-5.55	-0.002907	± 2.5	PASS
			3.7	50	-11.32	-0.005926	± 2.5	PASS