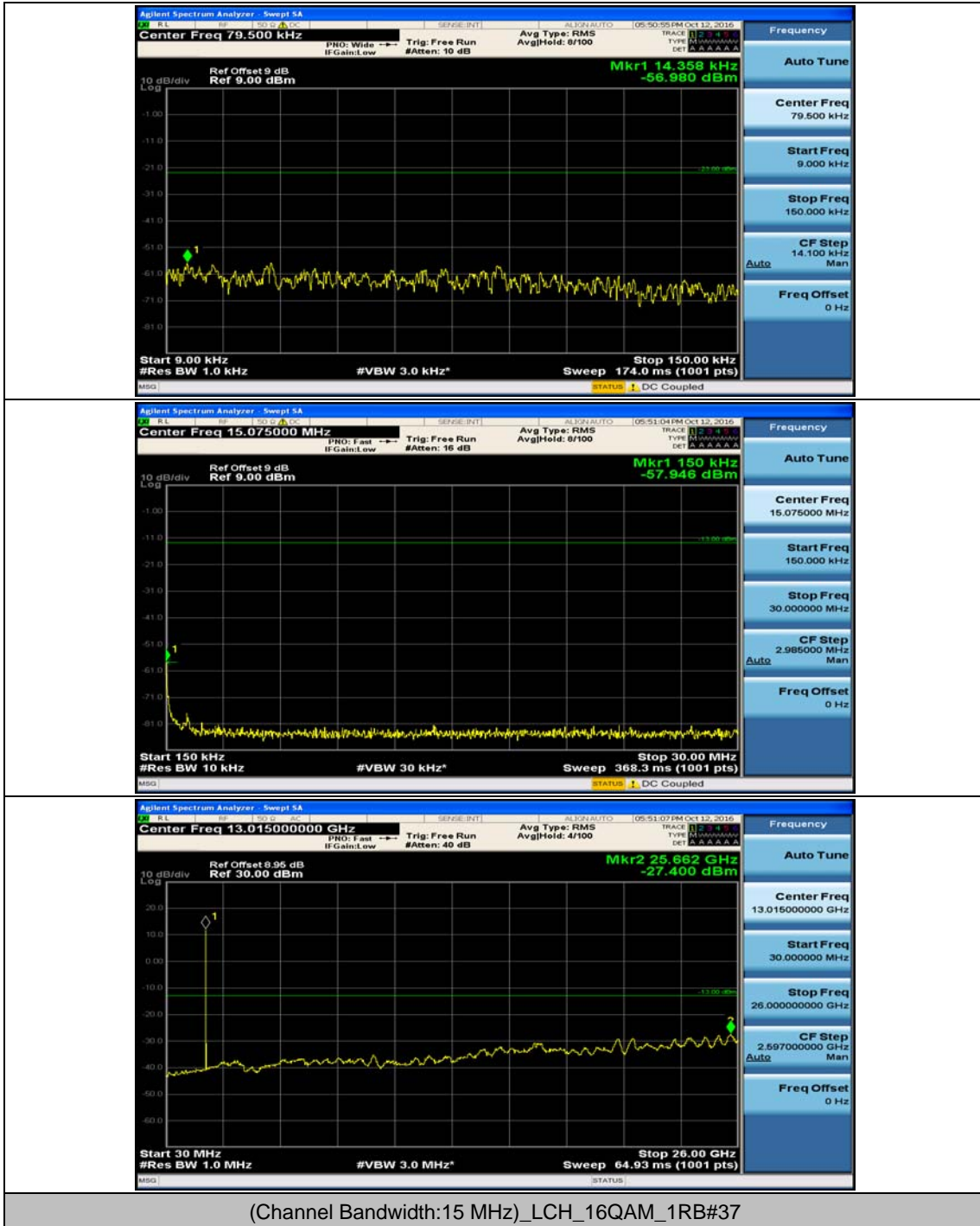
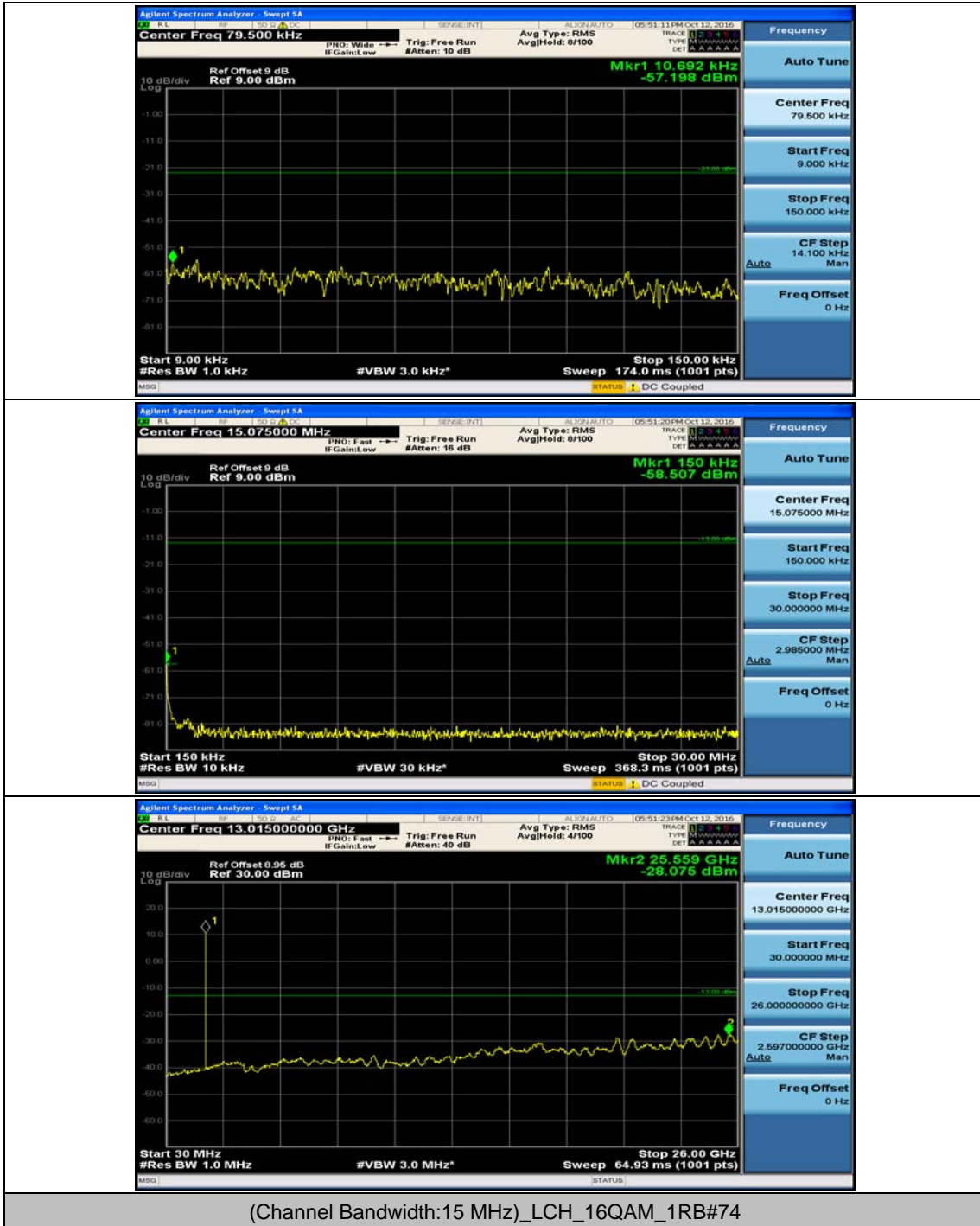
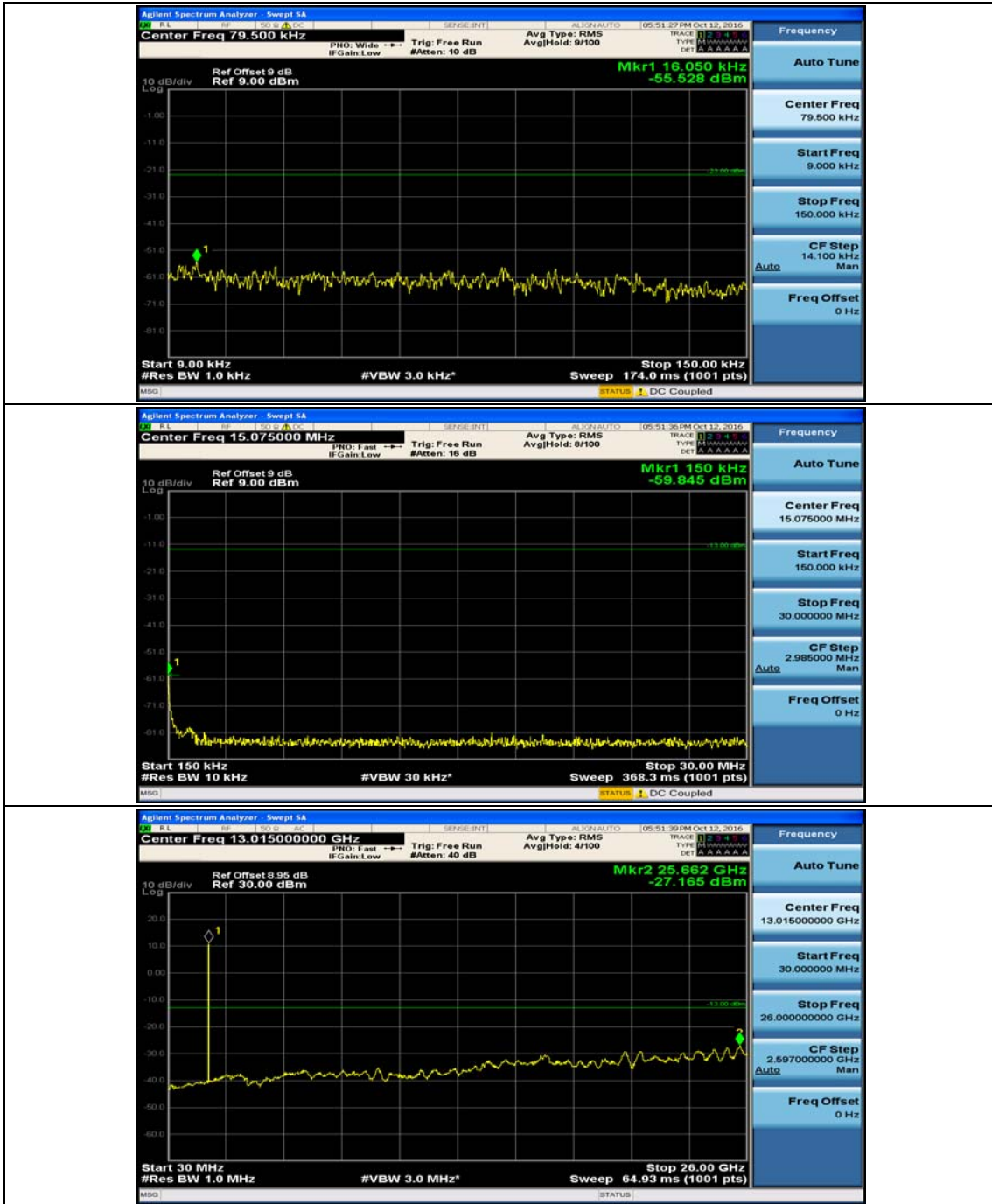


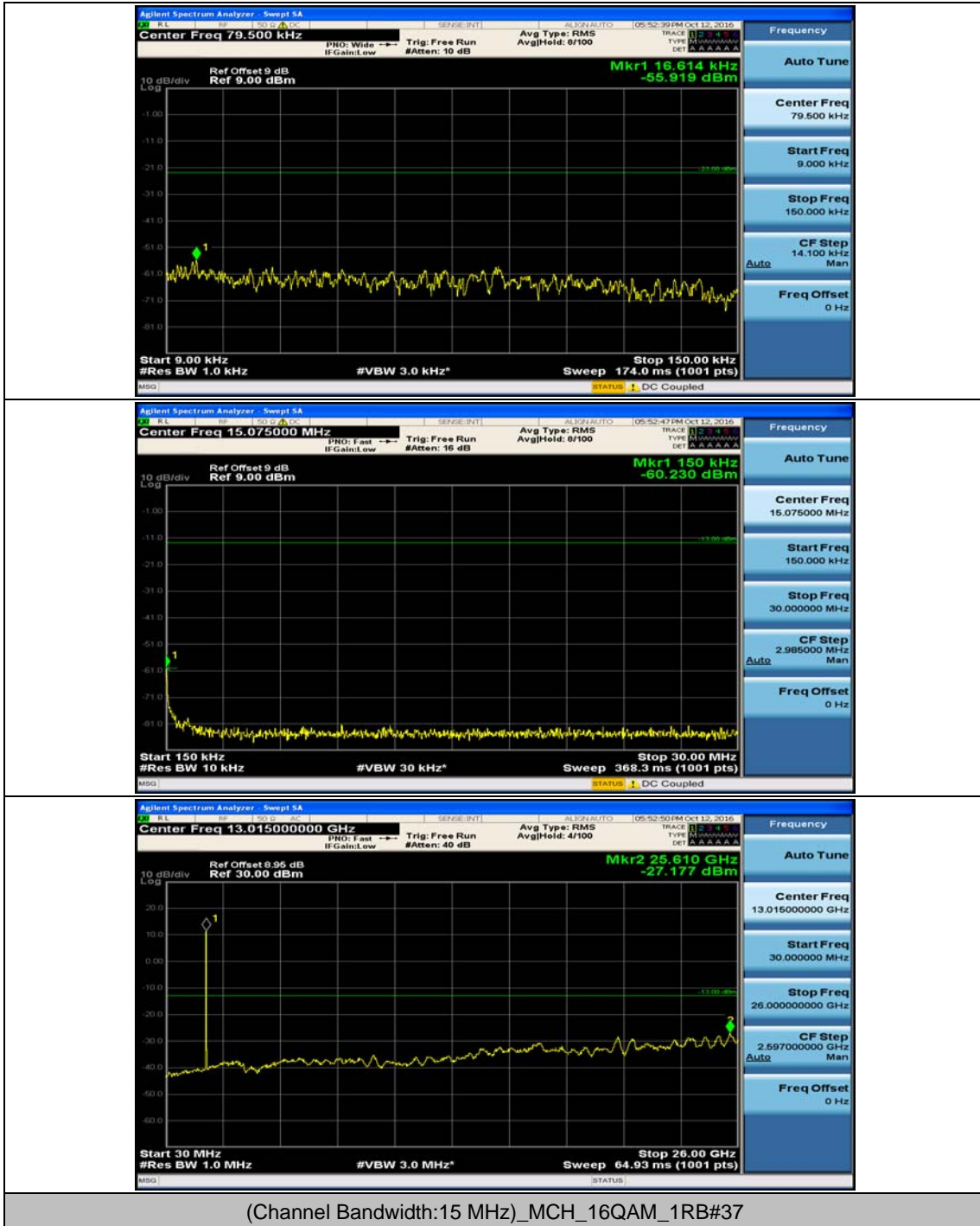
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

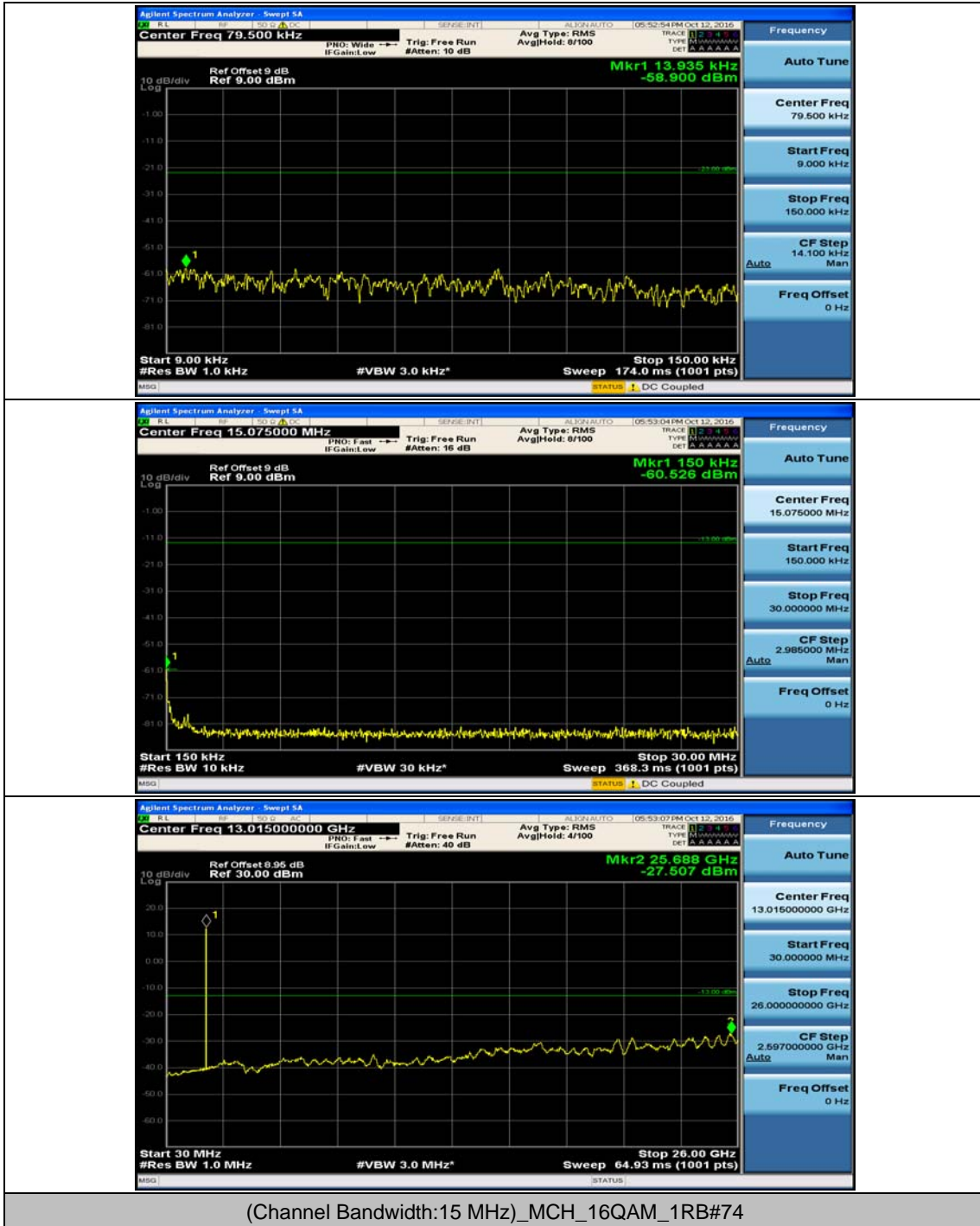


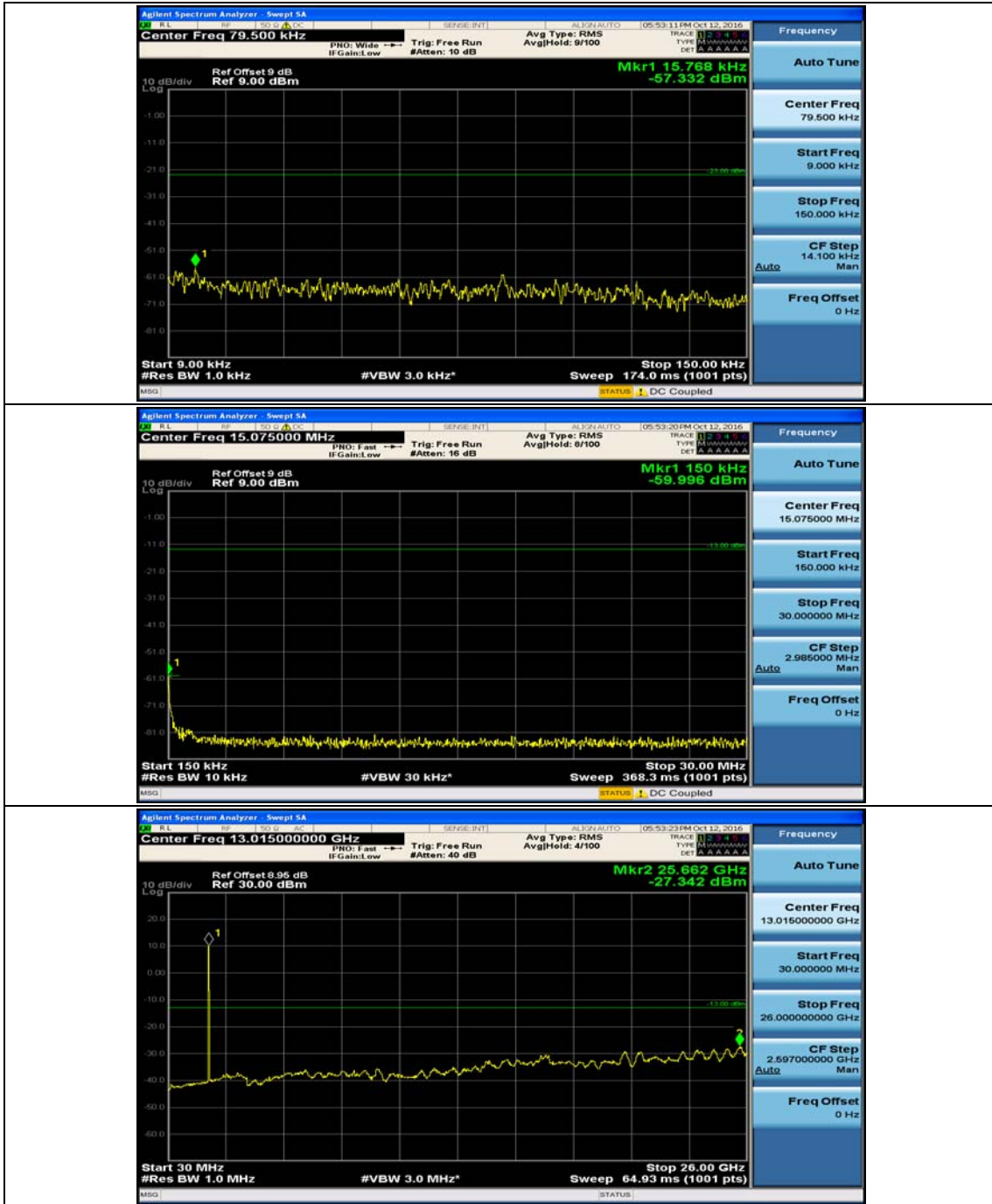




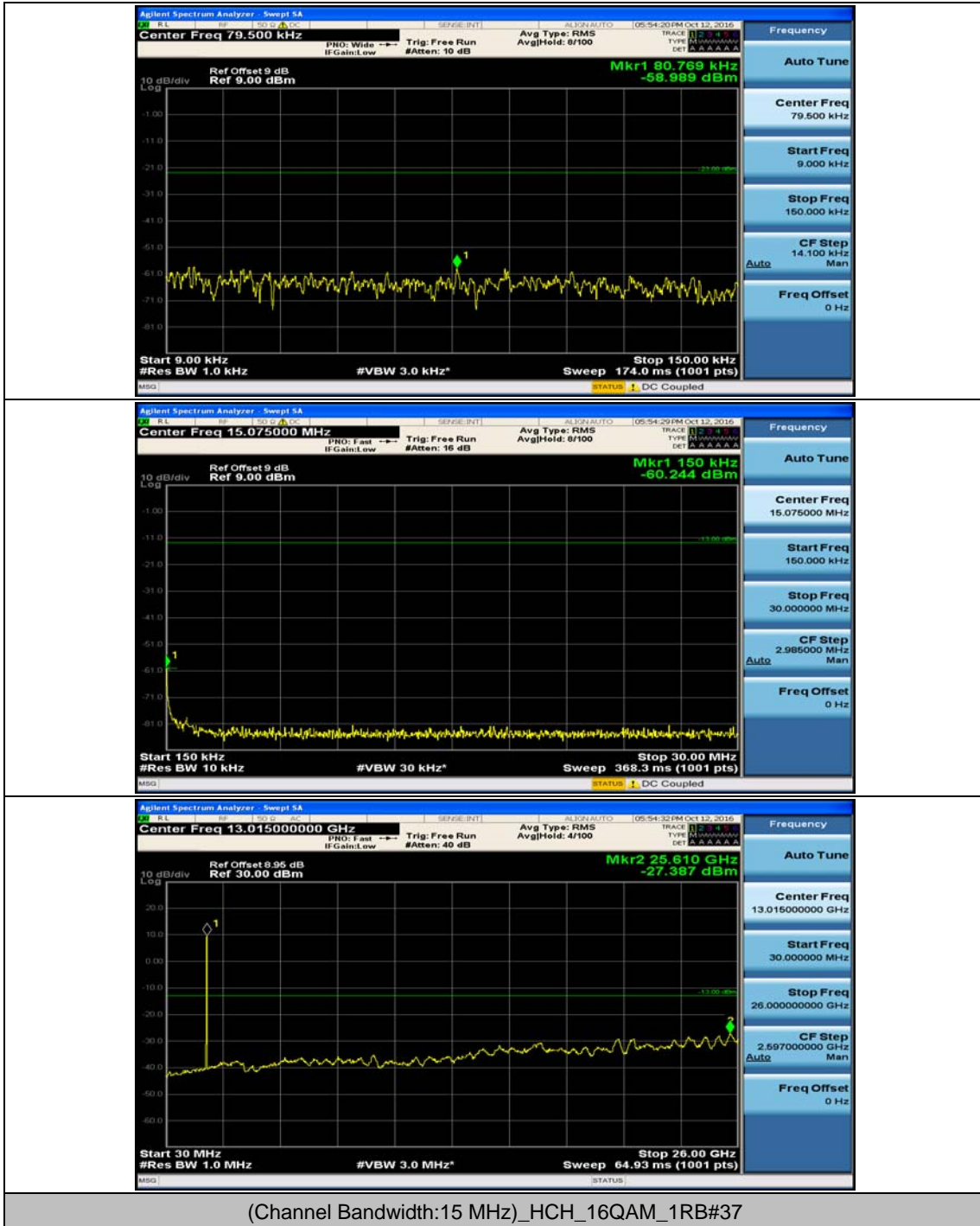
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

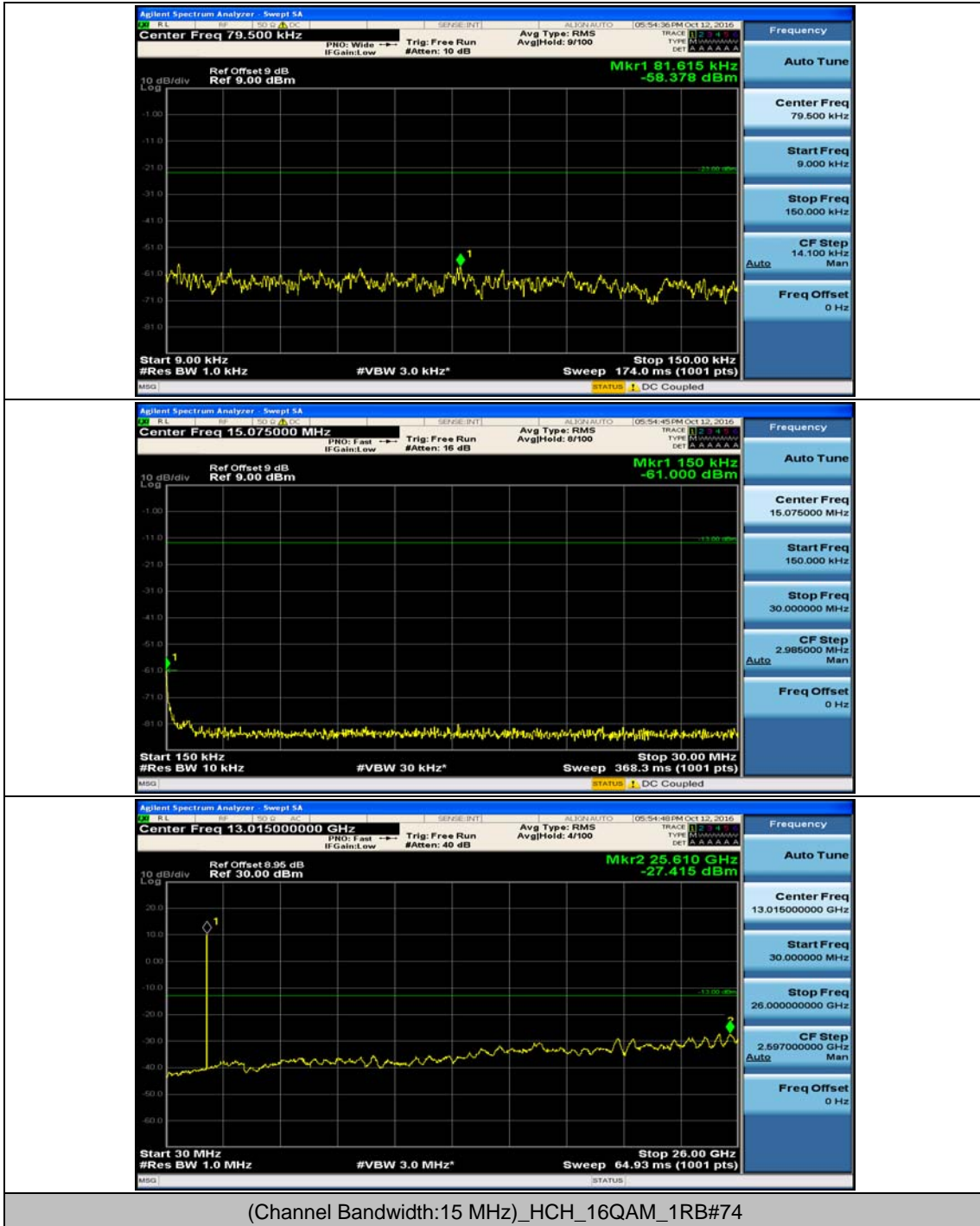


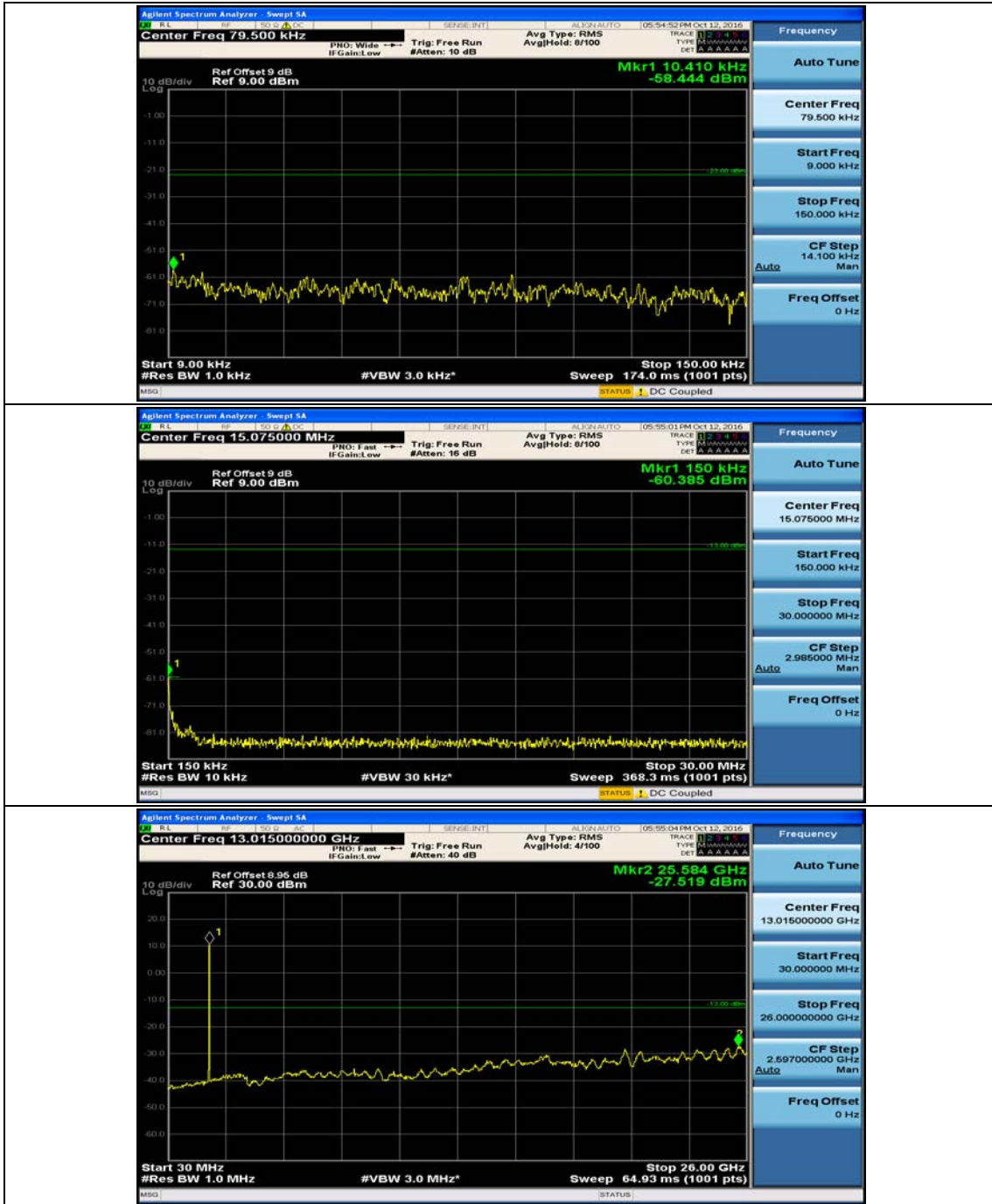




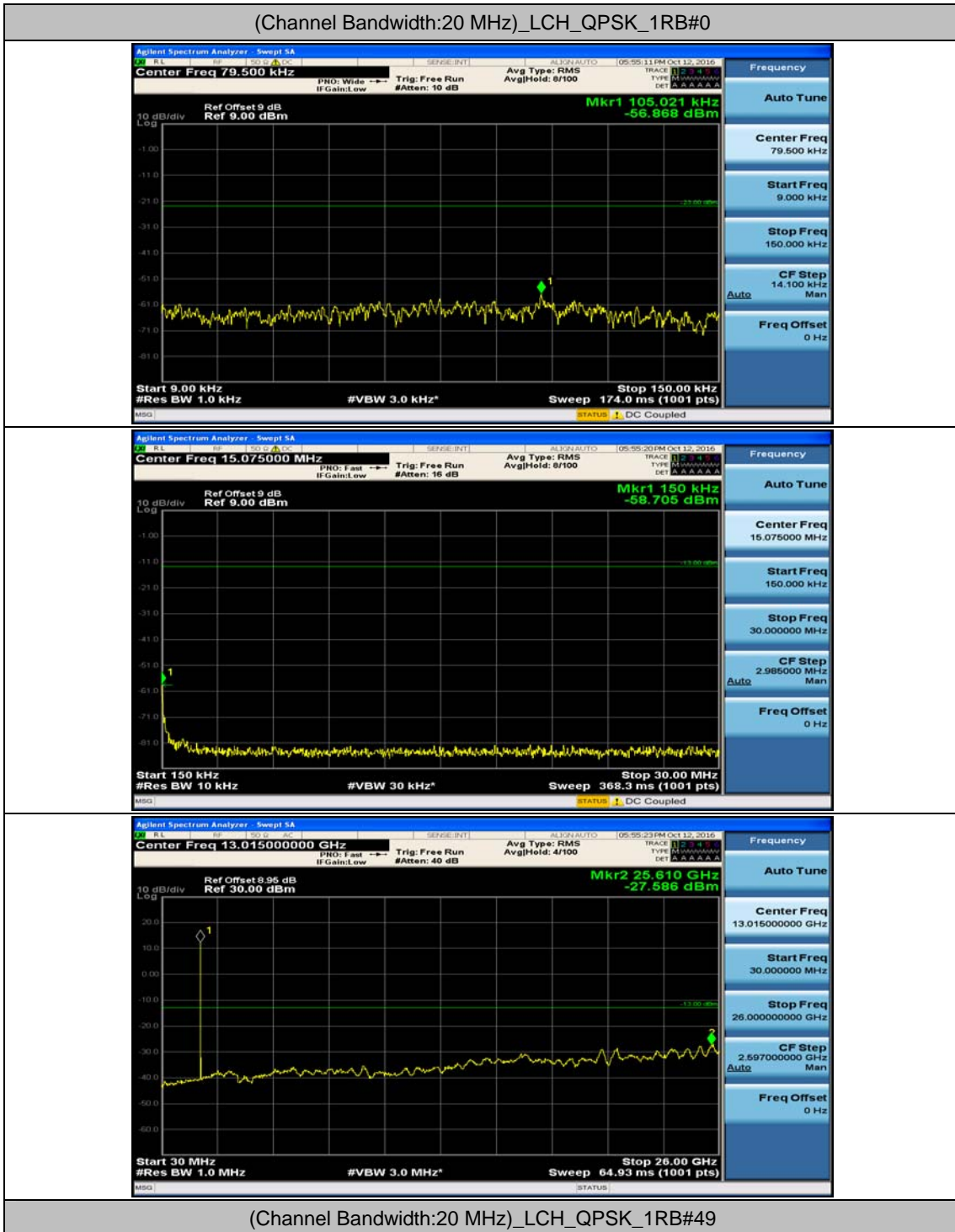
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

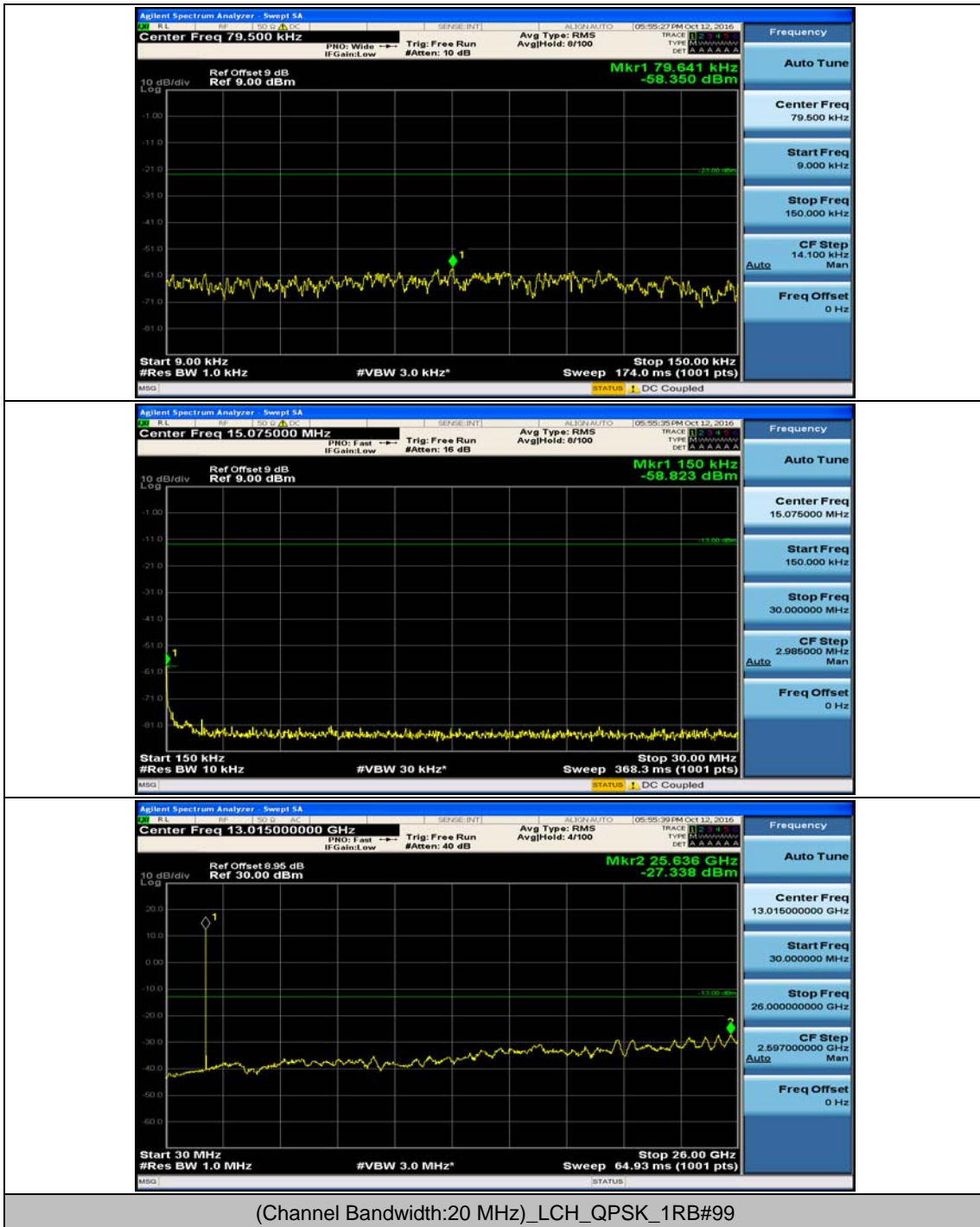


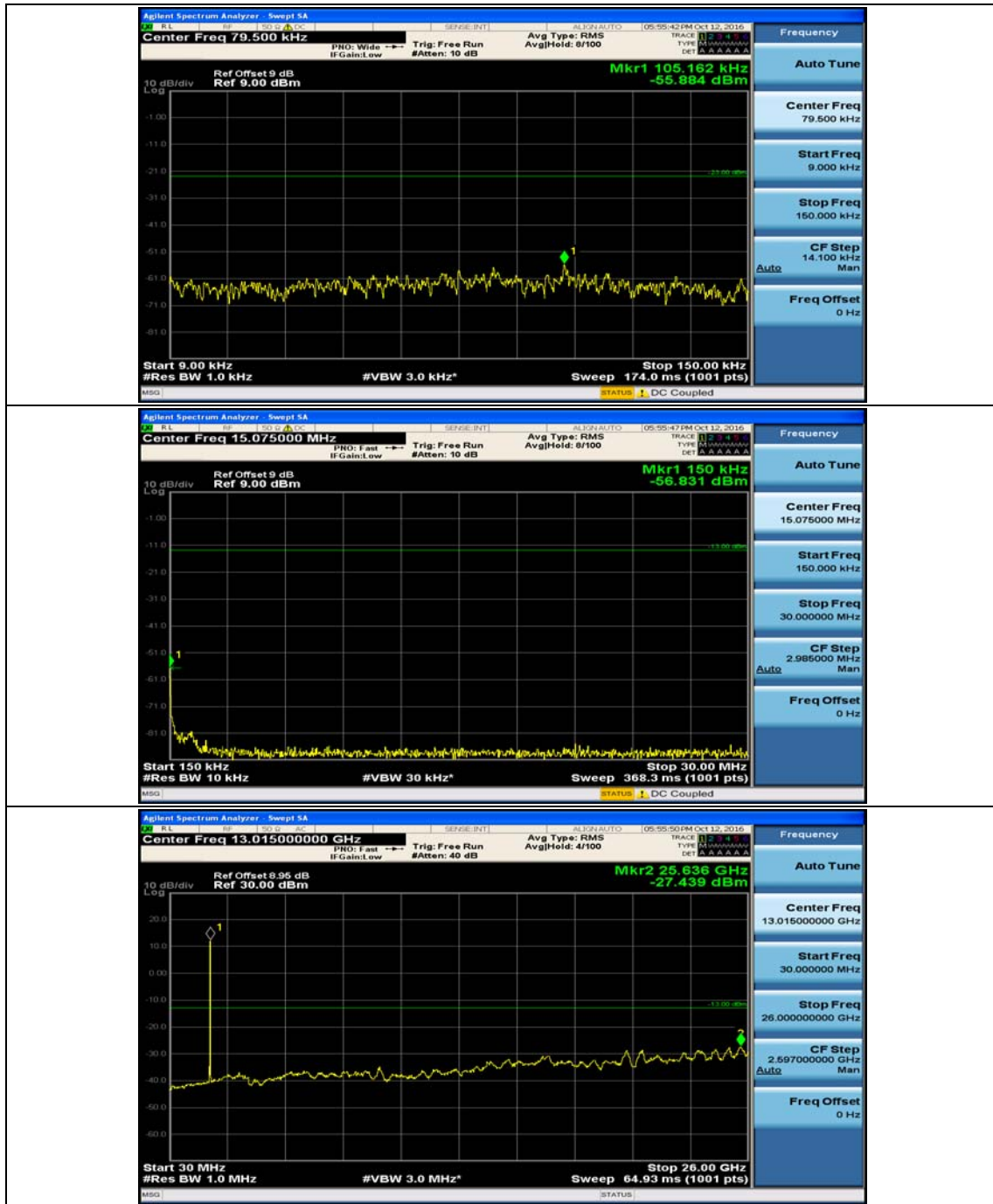




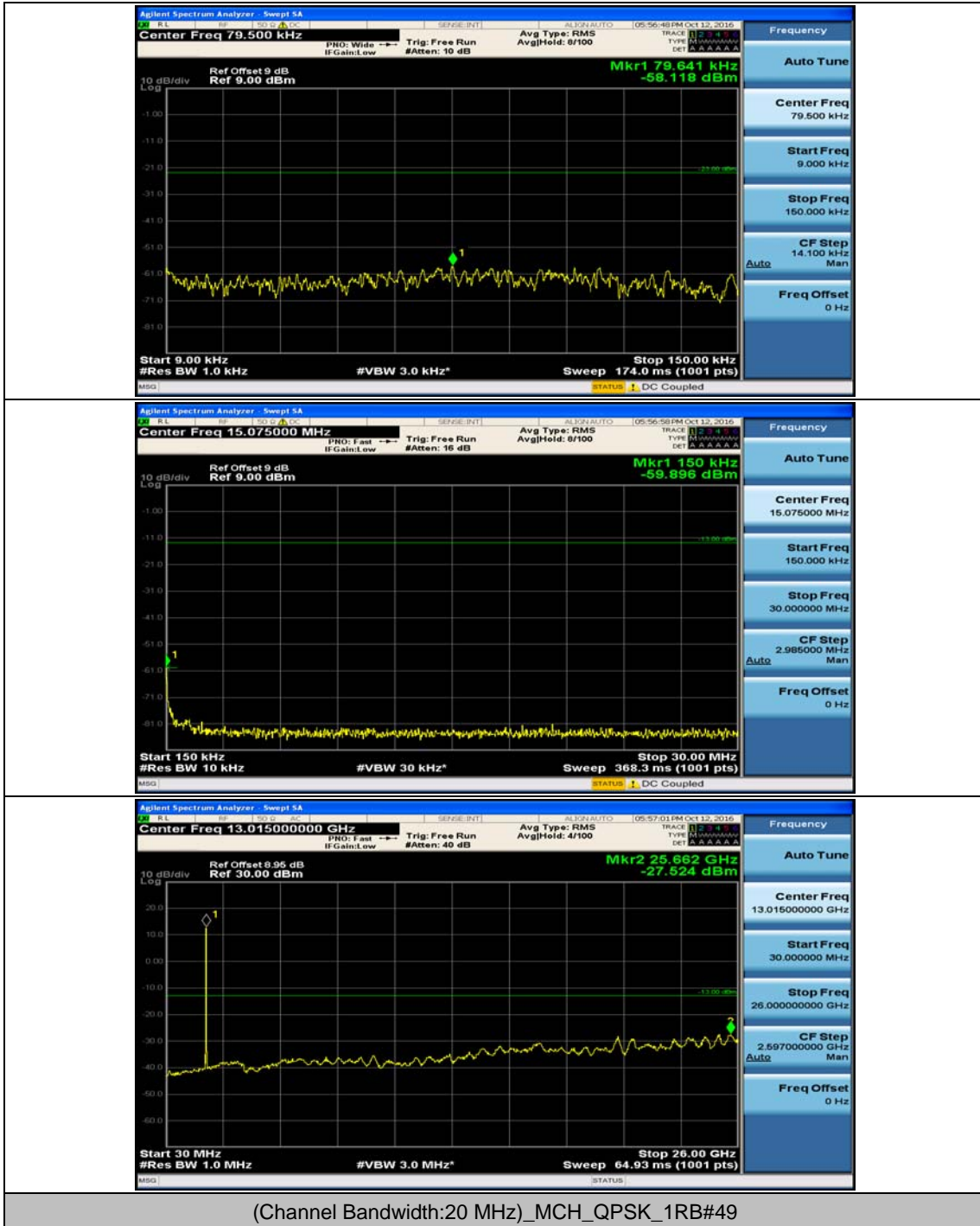
Channel Bandwidth: 20 MHz

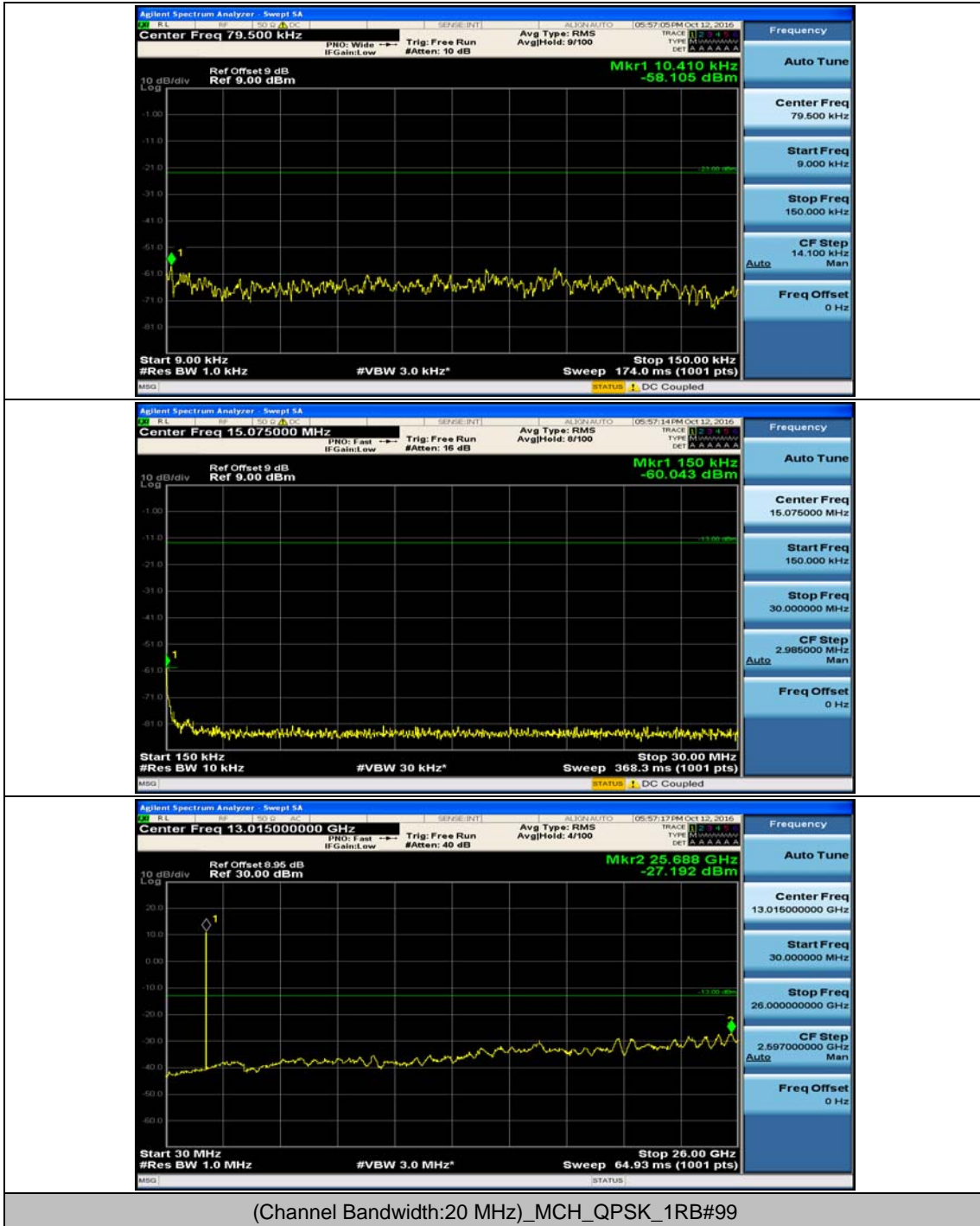


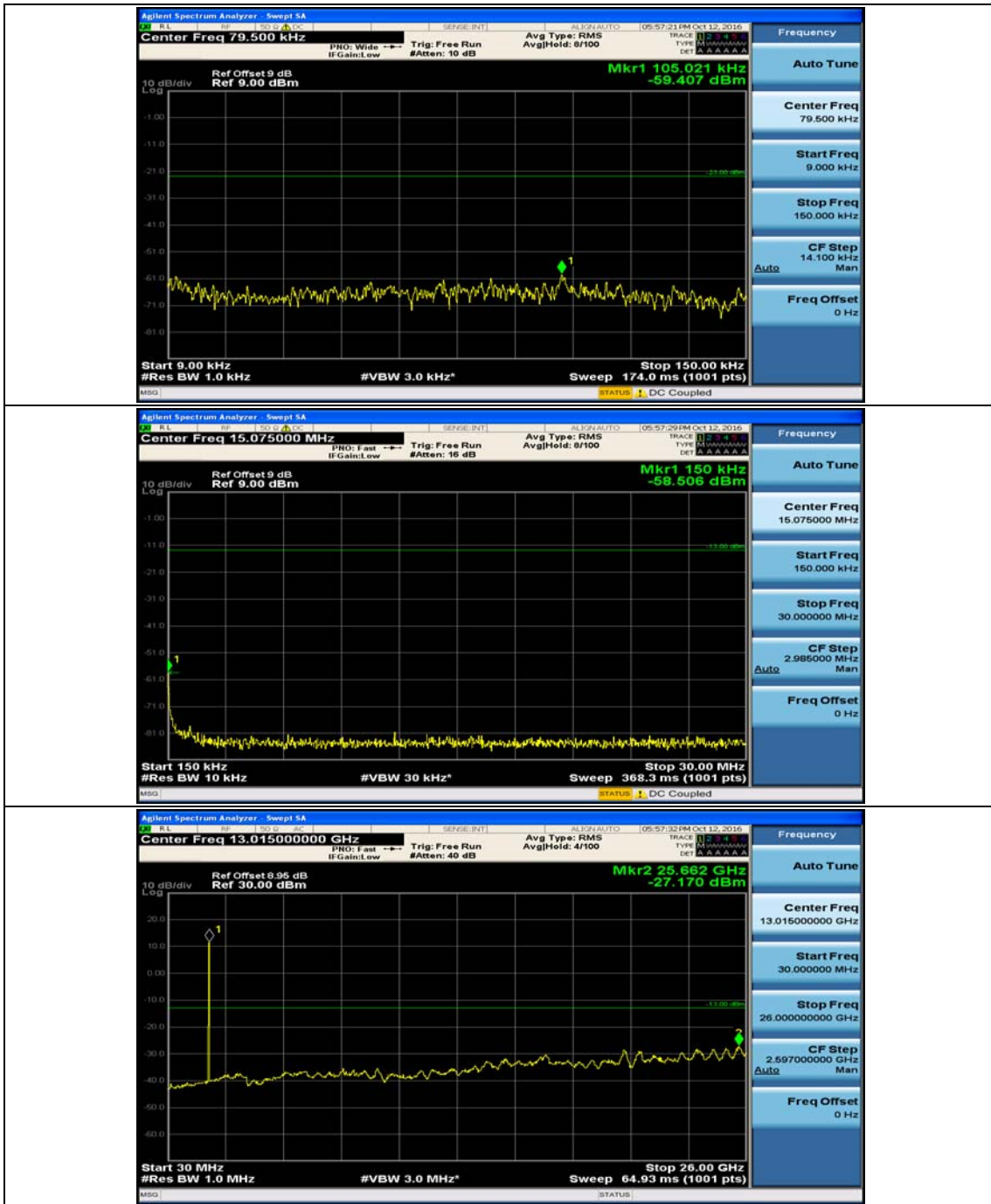




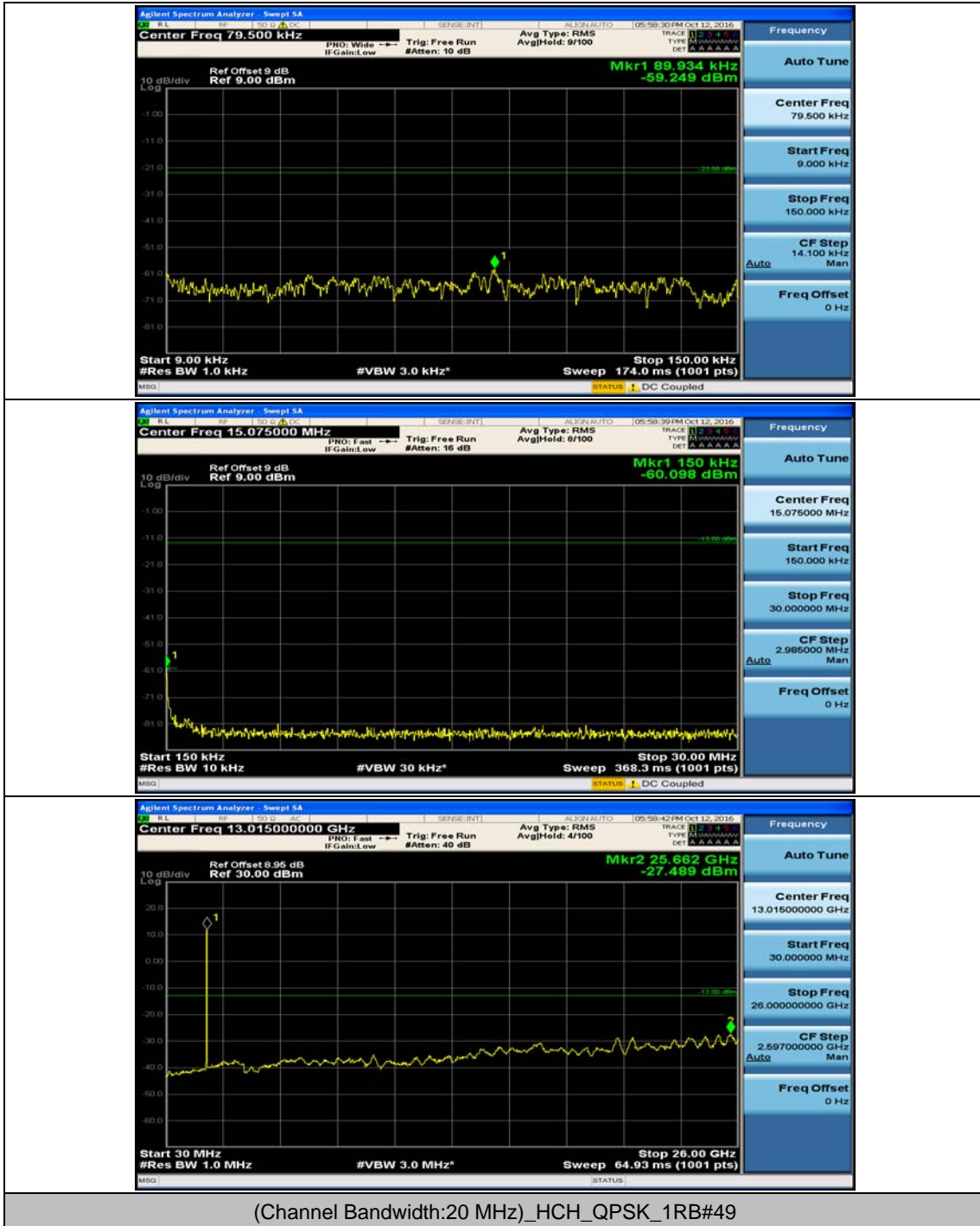
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

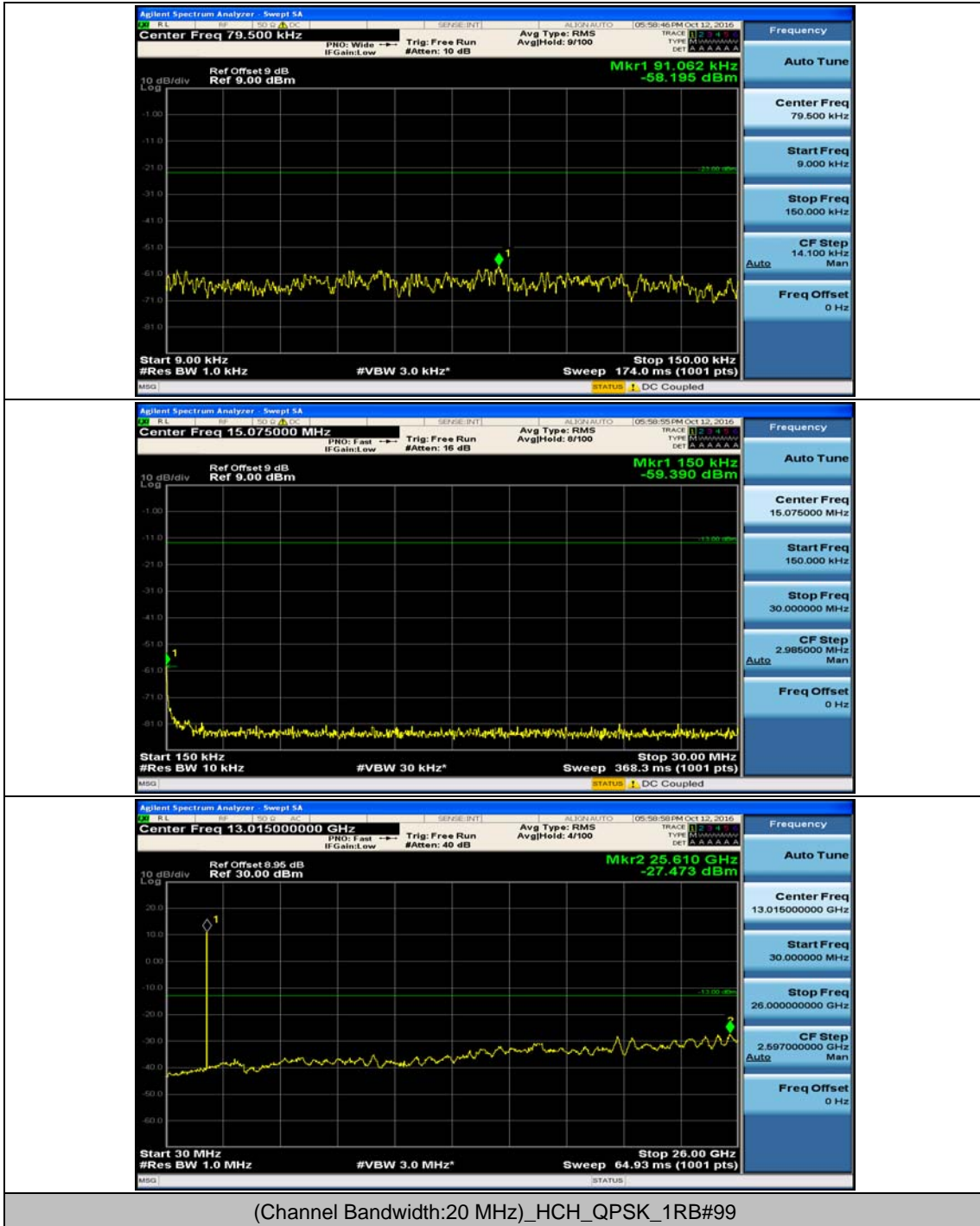


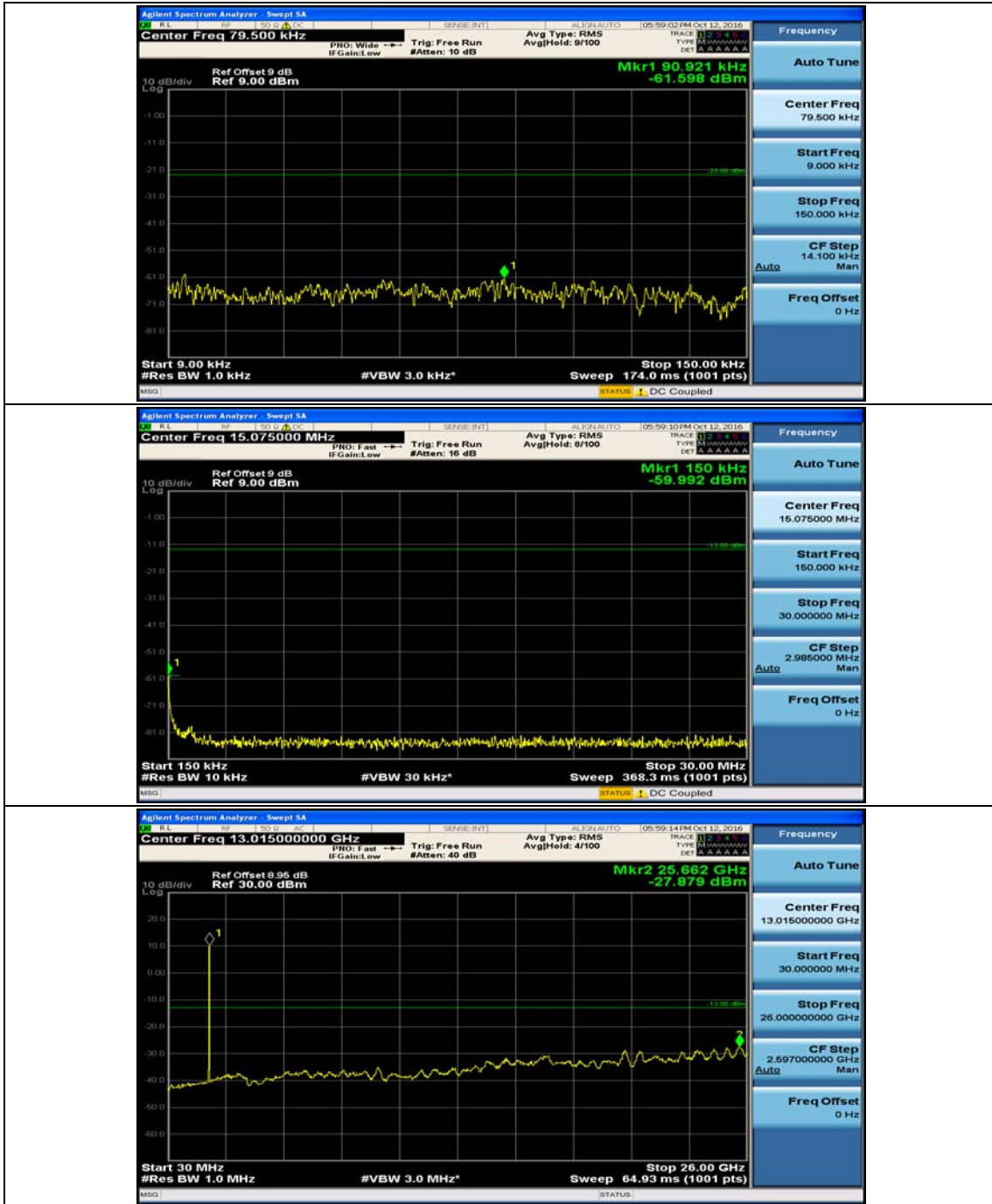




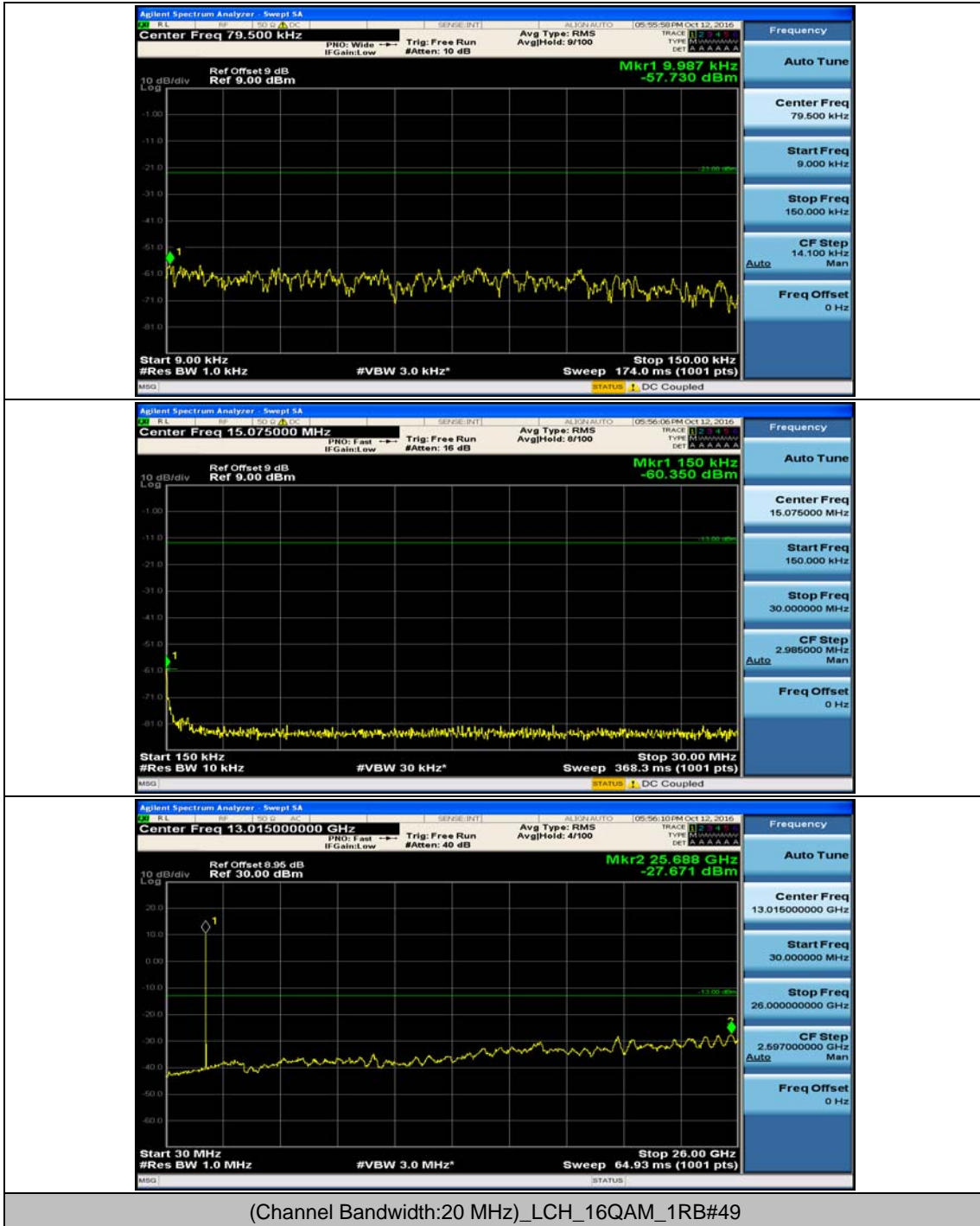
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

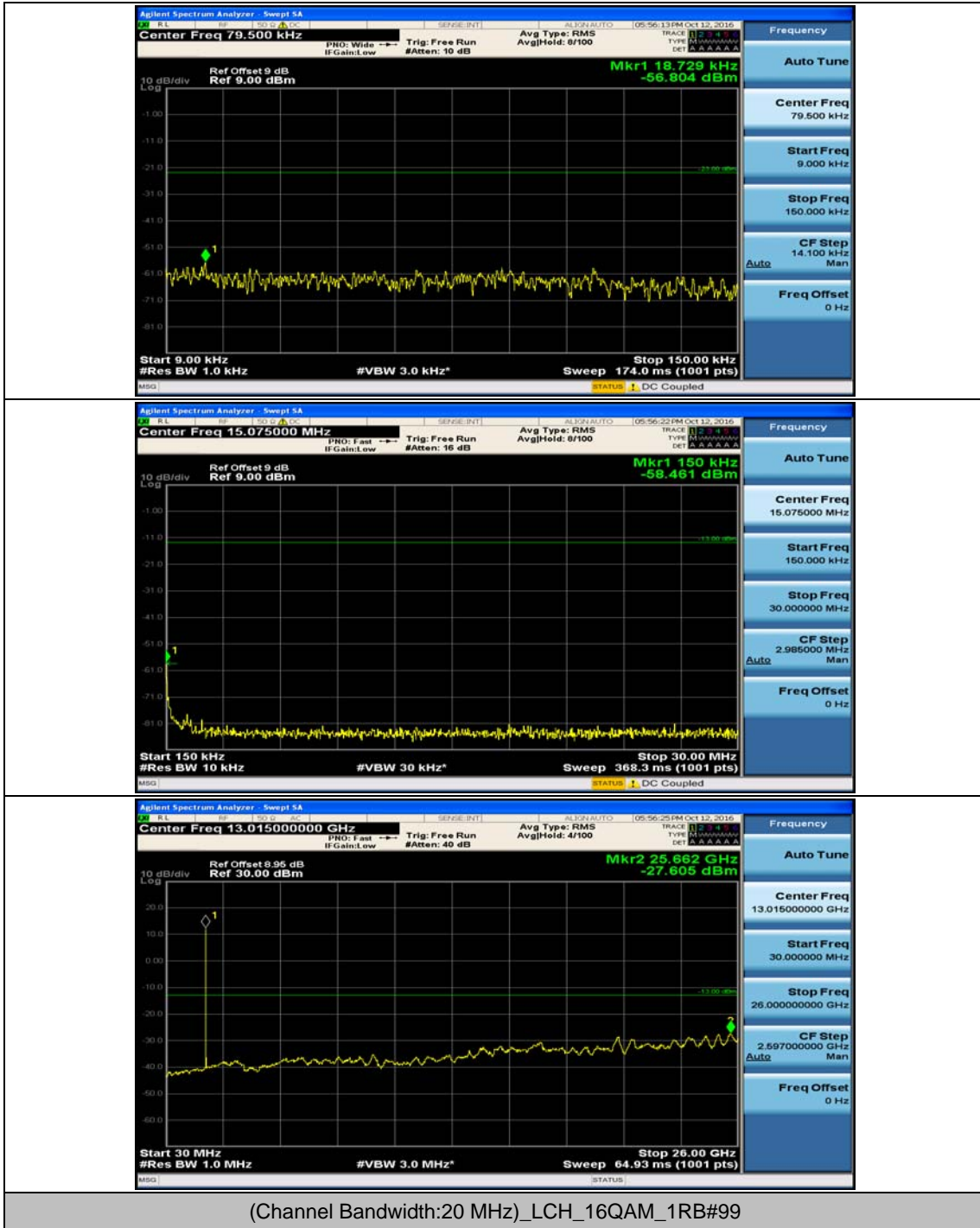


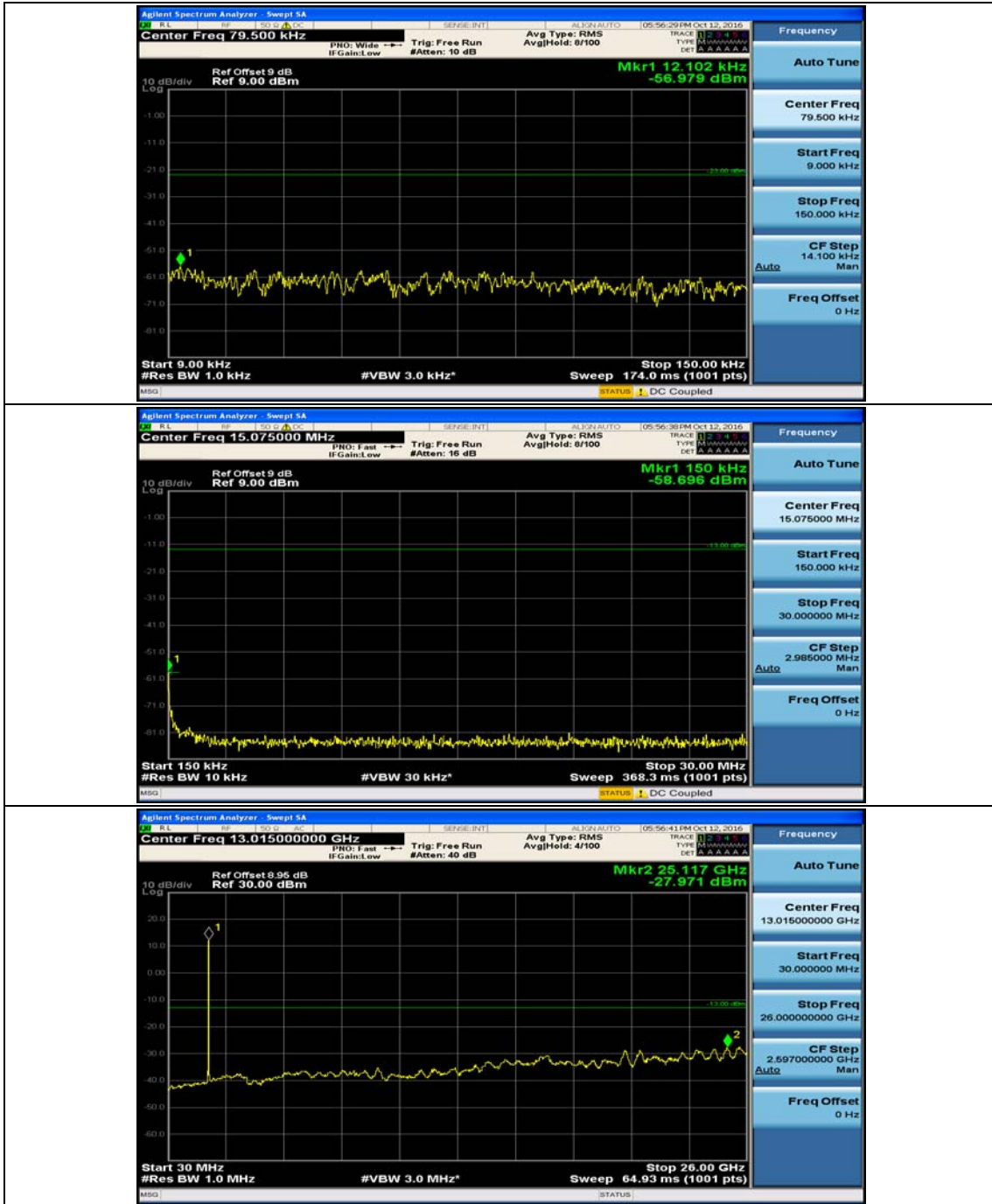




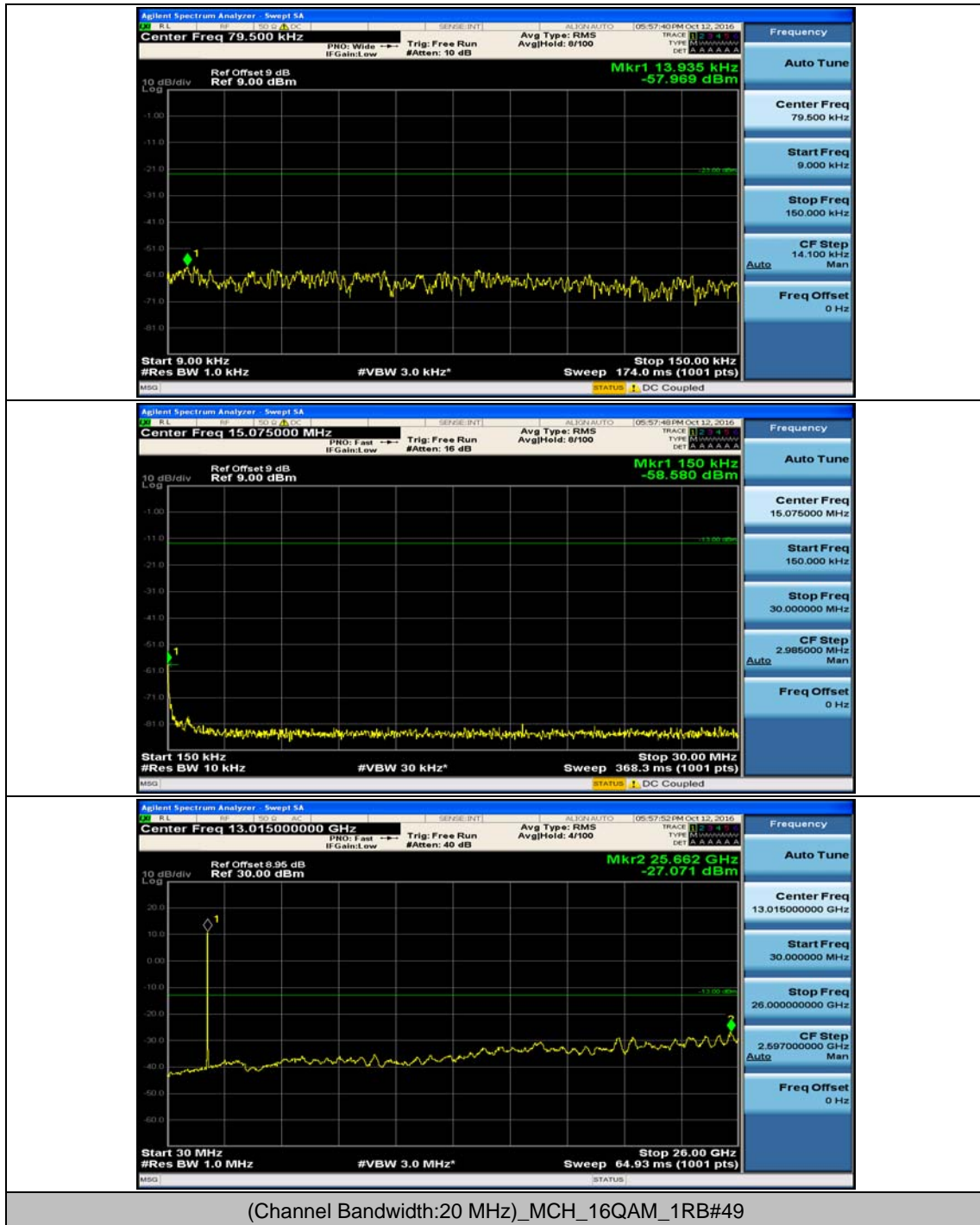
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

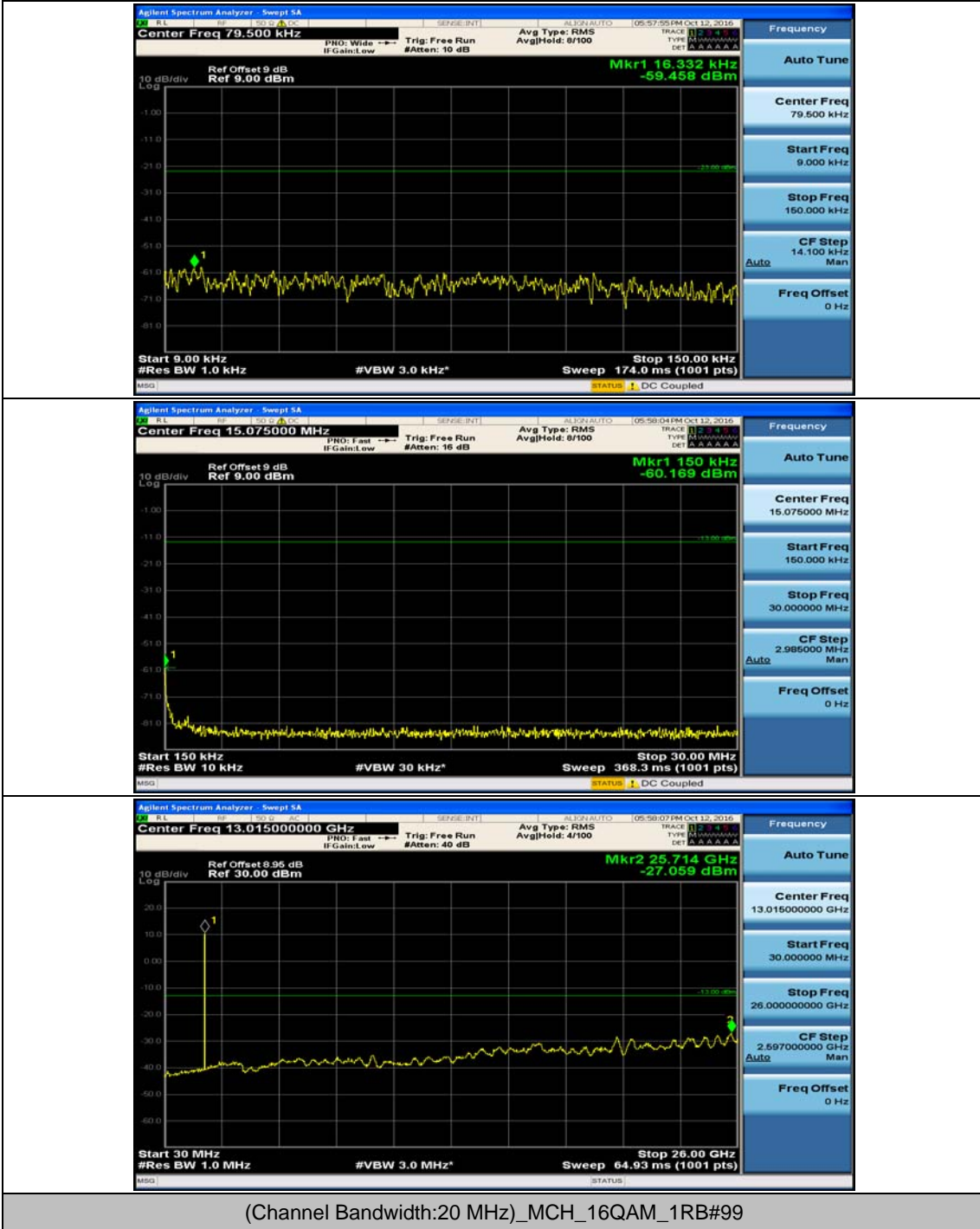


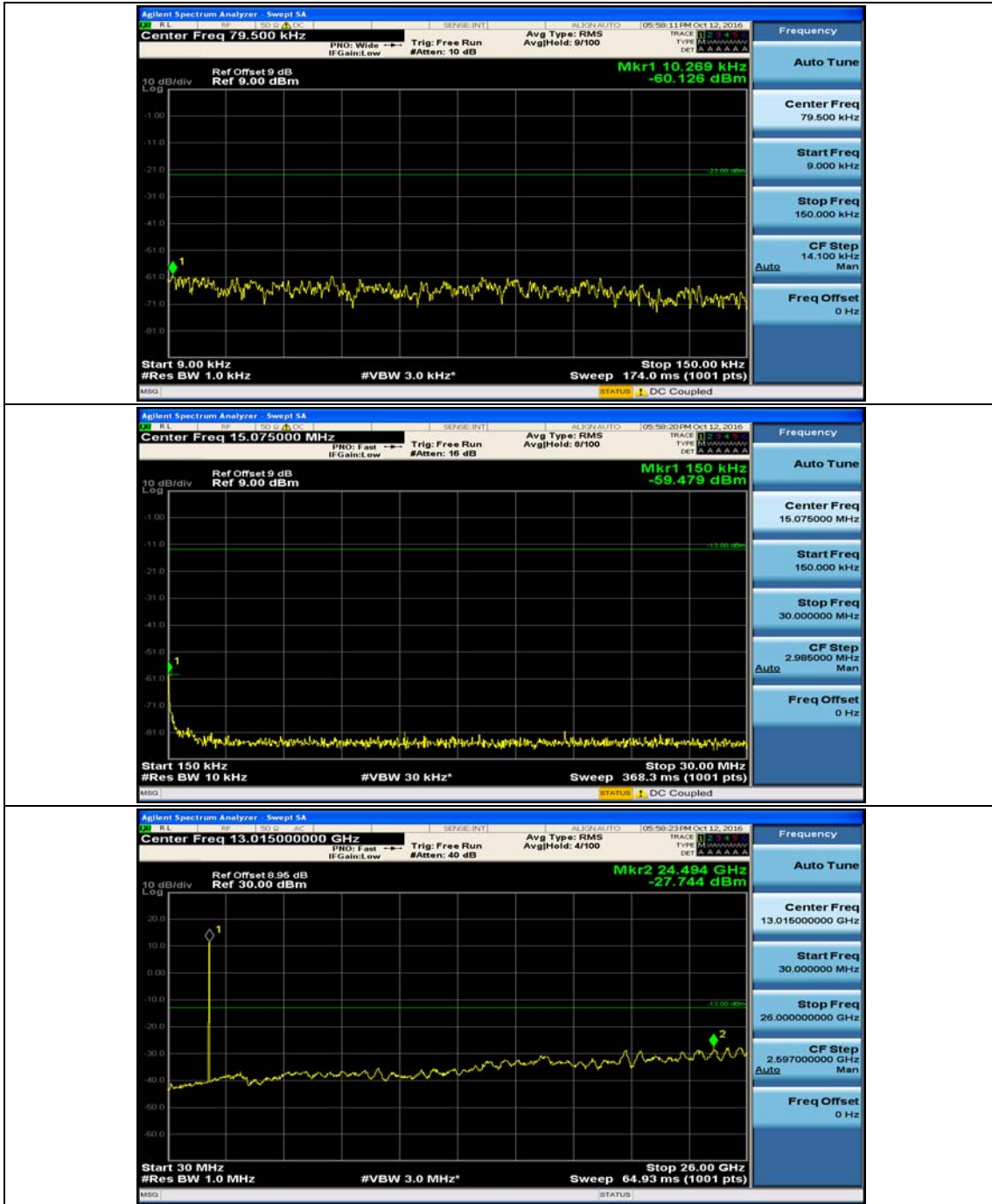




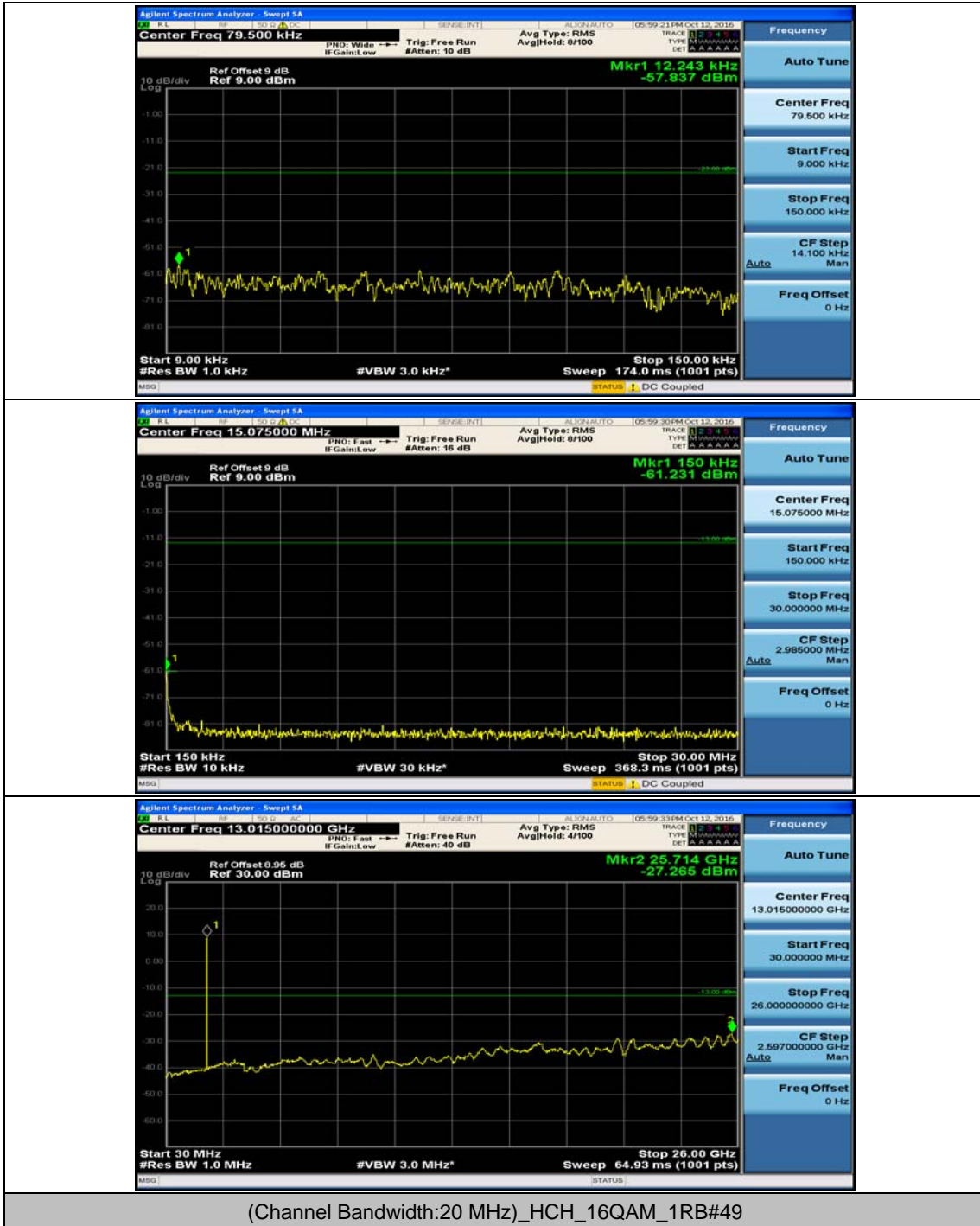
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

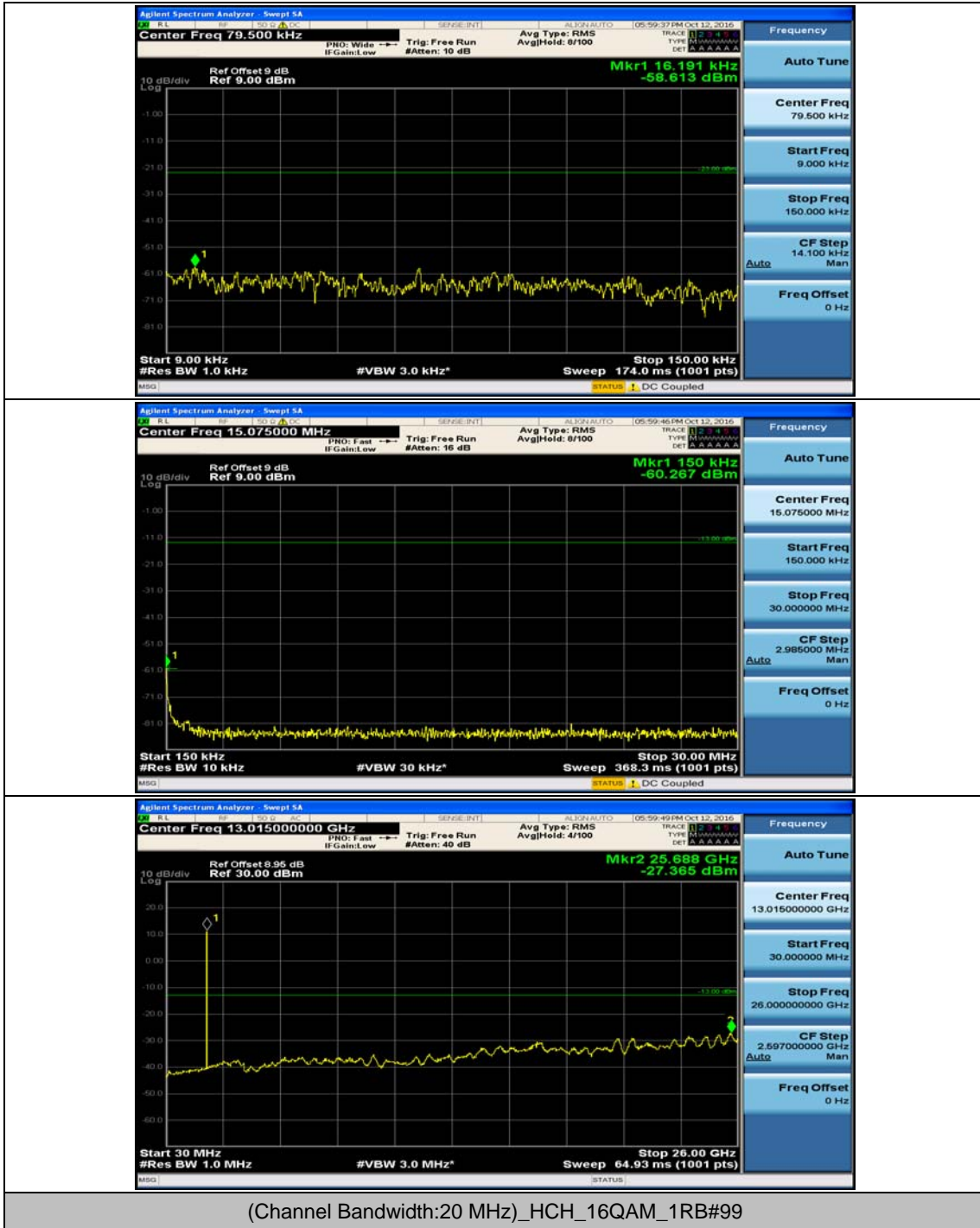


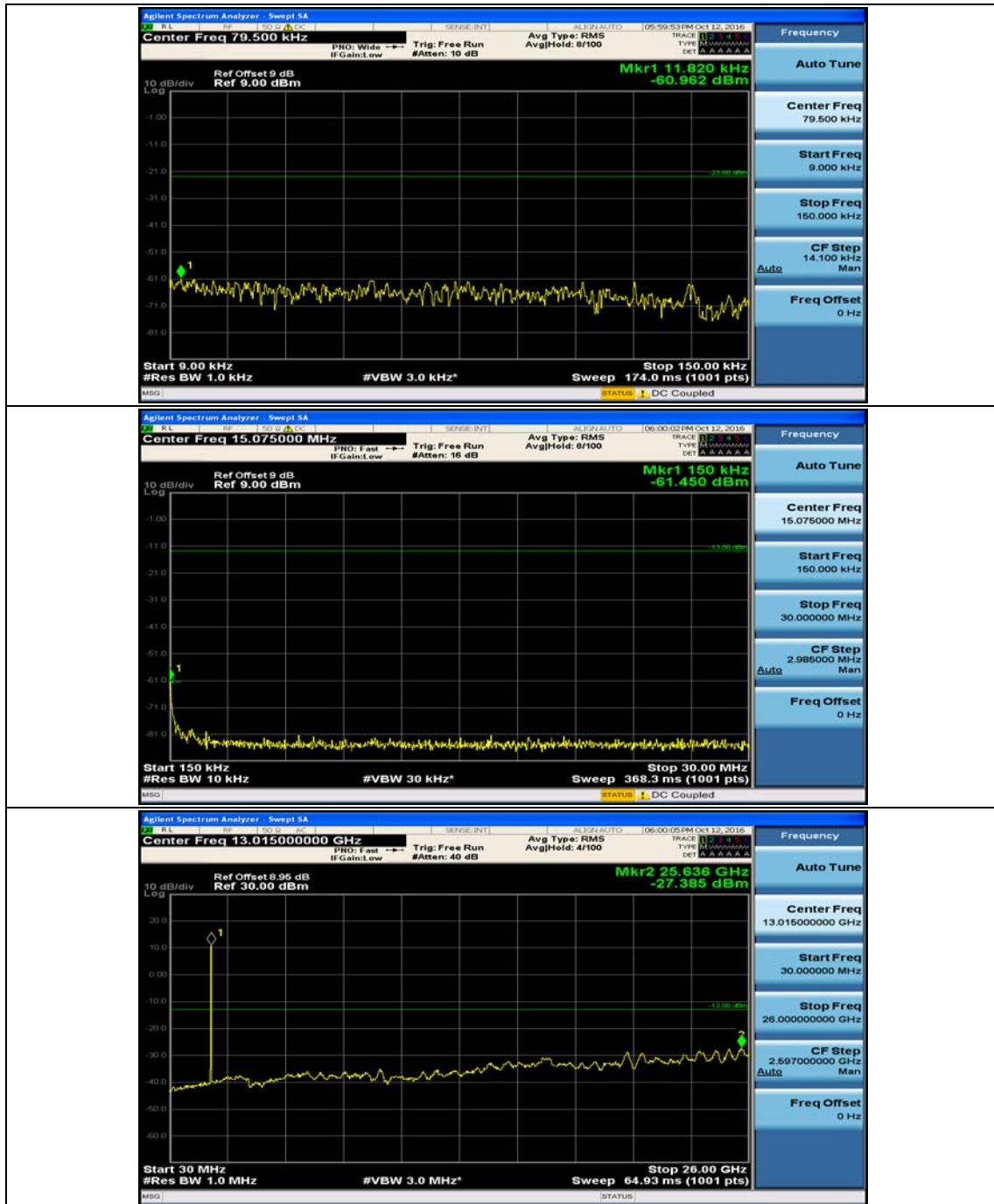




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0







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	1.91	0.001032	± 2.5	PASS
		VN	TN	-0.35	-0.000189	± 2.5	PASS
		VH	TN	-0.76	-0.000411	± 2.5	PASS
	MCH	VL	TN	3.22	0.001713	± 2.5	PASS
		VN	TN	2.25	0.001197	± 2.5	PASS
		VH	TN	0.44	0.000234	± 2.5	PASS
	HCH	VL	TN	-1.68	-0.000880	± 2.5	PASS
		VN	TN	3.63	0.001901	± 2.5	PASS
		VH	TN	1.07	0.000560	± 2.5	PASS
16QAM	LCH	VL	TN	-0.49	-0.000265	± 2.5	PASS
		VN	TN	1.25	0.000675	± 2.5	PASS
		VH	TN	1.42	0.000767	± 2.5	PASS
	MCH	VL	TN	1.1	0.000585	± 2.5	PASS
		VN	TN	0.33	0.000176	± 2.5	PASS
		VH	TN	-1.51	-0.000803	± 2.5	PASS
	HCH	VL	TN	0.14	0.000073	± 2.5	PASS
		VN	TN	1.89	0.000990	± 2.5	PASS
		VH	TN	1.93	0.001011	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.55	-0.000838	± 2.5	PASS
		VN	-20	-1.12	-0.000605	± 2.5	PASS
		VN	-10	3.01	0.001626	± 2.5	PASS
		VN	0	4.06	0.002194	± 2.5	PASS
		VN	10	0.17	0.000092	± 2.5	PASS
		VN	20	4.15	0.002242	± 2.5	PASS
		VN	30	3.24	0.001751	± 2.5	PASS
		VN	40	-1.45	-0.000783	± 2.5	PASS
		VN	50	-1.26	-0.000681	± 2.5	PASS
	MCH	VN	-30	4.36	0.002319	± 2.5	PASS

		VN	-20	2.85	0.001516	± 2.5	PASS
		VN	-10	2.16	0.001149	± 2.5	PASS
		VN	0	0.08	0.000043	± 2.5	PASS
		VN	10	2.37	0.001261	± 2.5	PASS
		VN	20	-1.79	-0.000952	± 2.5	PASS
		VN	30	4.98	0.002649	± 2.5	PASS
		VN	40	-1.35	-0.000718	± 2.5	PASS
		VN	50	4.71	0.002505	± 2.5	PASS
	HCH	VN	-30	0	0.000000	± 2.5	PASS
		VN	-20	1.55	0.000812	± 2.5	PASS
		VN	-10	1.56	0.000817	± 2.5	PASS
		VN	0	0.66	0.000346	± 2.5	PASS
		VN	10	0.47	0.000246	± 2.5	PASS
		VN	20	3.65	0.001912	± 2.5	PASS
		VN	30	1.19	0.000623	± 2.5	PASS
		VN	40	-1.57	-0.000822	± 2.5	PASS
		VN	50	-0.47	-0.000246	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.38	-0.000746
VN	-20			0.91	0.000492	± 2.5	PASS
VN	-10			0.13	0.000070	± 2.5	PASS
VN	0			2.82	0.001524	± 2.5	PASS
VN	10			-1.73	-0.000935	± 2.5	PASS
VN	20			4.47	0.002415	± 2.5	PASS
VN	30			0.46	0.000249	± 2.5	PASS
VN	40			-1.49	-0.000805	± 2.5	PASS
VN	50			3.65	0.001972	± 2.5	PASS
MCH	VN		-30	-1.04	-0.000553	± 2.5	PASS
	VN		-20	3.02	0.001606	± 2.5	PASS
	VN		-10	-1.09	-0.000580	± 2.5	PASS
	VN		0	3.99	0.002122	± 2.5	PASS
	VN		10	4.55	0.002420	± 2.5	PASS
	VN		20	4.79	0.002548	± 2.5	PASS
	VN		30	1.42	0.000755	± 2.5	PASS
	VN		40	2.13	0.001133	± 2.5	PASS
	VN		50	2.52	0.001340	± 2.5	PASS
HCH	VN		-30	-0.14	-0.000073	± 2.5	PASS
	VN		-20	1.21	0.000634	± 2.5	PASS
	VN		-10	2.7	0.001414	± 2.5	PASS
	VN		0	1.97	0.001032	± 2.5	PASS
	VN		10	2.52	0.001320	± 2.5	PASS
	VN		20	-1.86	-0.000974	± 2.5	PASS

		VN	30	-0.51	-0.000267	± 2.5	PASS
		VN	40	-1.18	-0.000618	± 2.5	PASS
		VN	50	-1.8	-0.000943	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.22	-0.000119	± 2.5	PASS
		VN	TN	-0.31	-0.000167	± 2.5	PASS
		VH	TN	1.91	0.001032	± 2.5	PASS
	MCH	VL	TN	-0.55	-0.000293	± 2.5	PASS
		VN	TN	2.98	0.001585	± 2.5	PASS
		VH	TN	0.08	0.000043	± 2.5	PASS
	HCH	VL	TN	4.71	0.002468	± 2.5	PASS
		VN	TN	3.29	0.001724	± 2.5	PASS
		VH	TN	-0.74	-0.000388	± 2.5	PASS
16QAM	LCH	VL	TN	1.66	0.000897	± 2.5	PASS
		VN	TN	2.49	0.001345	± 2.5	PASS
		VH	TN	0.1	0.000054	± 2.5	PASS
	MCH	VL	TN	2.88	0.001532	± 2.5	PASS
		VN	TN	3.86	0.002053	± 2.5	PASS
		VH	TN	0.58	0.000309	± 2.5	PASS
	HCH	VL	TN	4.62	0.002421	± 2.5	PASS
		VN	TN	1.31	0.000686	± 2.5	PASS
		VH	TN	3.56	0.001865	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.2	0.000108	± 2.5	PASS
		VN	-20	3.86	0.002085	± 2.5	PASS
		VN	-10	0.85	0.000459	± 2.5	PASS
		VN	0	1.39	0.000751	± 2.5	PASS
		VN	10	1.87	0.001010	± 2.5	PASS
		VN	20	1.5	0.000810	± 2.5	PASS
		VN	30	0.55	0.000297	± 2.5	PASS
		VN	40	4.39	0.002371	± 2.5	PASS
		VN	50	4.79	0.002587	± 2.5	PASS
	MCH	VN	-30	1.81	0.000963	± 2.5	PASS
		VN	-20	0.23	0.000122	± 2.5	PASS

	VN	-10	1.39	0.000739	± 2.5	PASS			
		VN	0	4.03	0.002144	± 2.5	PASS		
		VN	10	2.63	0.001399	± 2.5	PASS		
		VN	20	0.91	0.000484	± 2.5	PASS		
		VN	30	2.87	0.001527	± 2.5	PASS		
		VN	40	-1.54	-0.000819	± 2.5	PASS		
		VN	50	2.95	0.001569	± 2.5	PASS		
	HCH	VN	-30	3.15	0.001651	± 2.5	PASS		
		VN	-20	-1.32	-0.000692	± 2.5	PASS		
		VN	-10	3.58	0.001876	± 2.5	PASS		
		VN	0	-0.04	-0.000021	± 2.5	PASS		
		VN	10	-0.1	-0.000052	± 2.5	PASS		
		VN	20	3.46	0.001813	± 2.5	PASS		
		VN	30	-1.99	-0.001043	± 2.5	PASS		
		VN	40	3.19	0.001671	± 2.5	PASS		
		VN	50	-0.89	-0.000466	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.1	-0.000054	± 2.5	PASS
				VN	-20	0.67	0.000362	± 2.5	PASS
VN	-10			-0.29	-0.000157	± 2.5	PASS		
VN	0			3.3	0.001782	± 2.5	PASS		
VN	10			0.23	0.000124	± 2.5	PASS		
VN	20			-1.84	-0.000994	± 2.5	PASS		
VN	30			4.12	0.002225	± 2.5	PASS		
VN	40			0.9	0.000486	± 2.5	PASS		
VN	50			0.76	0.000410	± 2.5	PASS		
MCH	VN		-30	-0.77	-0.000410	± 2.5	PASS		
	VN		-20	4.71	0.002505	± 2.5	PASS		
	VN		-10	-1.55	-0.000824	± 2.5	PASS		
	VN		0	2.03	0.001080	± 2.5	PASS		
	VN		10	0.41	0.000218	± 2.5	PASS		
	VN		20	3.65	0.001941	± 2.5	PASS		
	VN		30	-0.12	-0.000064	± 2.5	PASS		
	VN		40	2.19	0.001165	± 2.5	PASS		
	VN		50	-0.18	-0.000096	± 2.5	PASS		
HCH	VN	-30	1.9	0.000996	± 2.5	PASS			
	VN	-20	2.59	0.001357	± 2.5	PASS			
	VN	-10	4	0.002096	± 2.5	PASS			
	VN	0	0.26	0.000136	± 2.5	PASS			
	VN	10	4.9	0.002567	± 2.5	PASS			
	VN	20	0.44	0.000231	± 2.5	PASS			
	VN	30	-0.62	-0.000325	± 2.5	PASS			

		VN	40	-0.32	-0.000168	± 2.5	PASS
		VN	50	2.49	0.001305	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.38	0.000745	± 2.5	PASS
		VN	TN	0.27	0.000146	± 2.5	PASS
		VH	TN	-1.74	-0.000939	± 2.5	PASS
	MCH	VL	TN	2.37	0.001261	± 2.5	PASS
		VN	TN	0	0.000000	± 2.5	PASS
		VH	TN	-0.67	-0.000356	± 2.5	PASS
	HCH	VL	TN	4.23	0.002218	± 2.5	PASS
		VN	TN	1.25	0.000655	± 2.5	PASS
		VH	TN	-1.83	-0.000959	± 2.5	PASS
16QAM	LCH	VL	TN	3.83	0.002067	± 2.5	PASS
		VN	TN	1.65	0.000891	± 2.5	PASS
		VH	TN	2.14	0.001155	± 2.5	PASS
	MCH	VL	TN	1.96	0.001043	± 2.5	PASS
		VN	TN	3.14	0.001670	± 2.5	PASS
		VH	TN	-1.41	-0.000750	± 2.5	PASS
	HCH	VL	TN	-1.61	-0.000844	± 2.5	PASS
		VN	TN	3	0.001573	± 2.5	PASS
		VH	TN	1.55	0.000813	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.26	-0.000140	± 2.5	PASS
		VN	-20	1.01	0.000545	± 2.5	PASS
		VN	-10	-1.64	-0.000885	± 2.5	PASS
		VN	0	-0.63	-0.000340	± 2.5	PASS
		VN	10	-1.69	-0.000912	± 2.5	PASS
		VN	20	1.87	0.001009	± 2.5	PASS
		VN	30	-0.3	-0.000162	± 2.5	PASS
		VN	40	3.43	0.001852	± 2.5	PASS
		VN	50	2.97	0.001603	± 2.5	PASS
	MCH	VN	-30	2.53	0.001346	± 2.5	PASS
		VN	-20	-0.53	-0.000282	± 2.5	PASS
		VN	-10	-0.9	-0.000479	± 2.5	PASS

		VN	0	-1.57	-0.000835	± 2.5	PASS		
		VN	10	-0.61	-0.000324	± 2.5	PASS		
		VN	20	0.54	0.000287	± 2.5	PASS		
		VN	30	2.45	0.001303	± 2.5	PASS		
		VN	40	-0.8	-0.000426	± 2.5	PASS		
		VN	50	2.72	0.001447	± 2.5	PASS		
	HCH	VN	-30	0.81	0.000425	± 2.5	PASS		
		VN	-20	3.59	0.001882	± 2.5	PASS		
		VN	-10	3.93	0.002060	± 2.5	PASS		
		VN	0	0.42	0.000220	± 2.5	PASS		
		VN	10	3.49	0.001830	± 2.5	PASS		
		VN	20	1.76	0.000923	± 2.5	PASS		
		VN	30	0.89	0.000467	± 2.5	PASS		
		VN	40	4.96	0.002600	± 2.5	PASS		
		VN	50	3.97	0.002081	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.53	0.000826	± 2.5	PASS
				VN	-20	-1.5	-0.000810	± 2.5	PASS
				VN	-10	2.38	0.001285	± 2.5	PASS
VN	0			2.12	0.001144	± 2.5	PASS		
VN	10			4.77	0.002575	± 2.5	PASS		
VN	20			1.22	0.000659	± 2.5	PASS		
VN	30			-0.06	-0.000032	± 2.5	PASS		
VN	40			-0.41	-0.000221	± 2.5	PASS		
VN	50			0.78	0.000421	± 2.5	PASS		
MCH	VN		-30	2.9	0.001543	± 2.5	PASS		
	VN		-20	1.73	0.000920	± 2.5	PASS		
	VN		-10	-1.4	-0.000745	± 2.5	PASS		
	VN		0	-1.84	-0.000979	± 2.5	PASS		
	VN		10	2.08	0.001106	± 2.5	PASS		
	VN		20	2.97	0.001580	± 2.5	PASS		
	VN		30	-0.62	-0.000330	± 2.5	PASS		
	VN		40	1.62	0.000862	± 2.5	PASS		
	VN		50	0.8	0.000426	± 2.5	PASS		
HCH	VN		-30	1.75	0.000917	± 2.5	PASS		
	VN		-20	3.11	0.001630	± 2.5	PASS		
	VN		-10	2.34	0.001227	± 2.5	PASS		
	VN		0	4.11	0.002155	± 2.5	PASS		
	VN		10	1.43	0.000750	± 2.5	PASS		
	VN		20	1.32	0.000692	± 2.5	PASS		
	VN		30	1.84	0.000965	± 2.5	PASS		
	VN		40	3.36	0.001761	± 2.5	PASS		

		VN	50	3.73	0.001955	± 2.5	PASS
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Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.4	-0.000755	± 2.5	PASS
		VN	TN	3.29	0.001774	± 2.5	PASS
		VH	TN	3.99	0.002151	± 2.5	PASS
	MCH	VL	TN	-1.11	-0.000590	± 2.5	PASS
		VN	TN	-0.93	-0.000495	± 2.5	PASS
		VH	TN	3.03	0.001612	± 2.5	PASS
	HCH	VL	TN	0.83	0.000436	± 2.5	PASS
		VN	TN	0.4	0.000210	± 2.5	PASS
		VH	TN	-1.52	-0.000798	± 2.5	PASS
16QAM	LCH	VL	TN	1.47	0.000792	± 2.5	PASS
		VN	TN	4.18	0.002253	± 2.5	PASS
		VH	TN	1.03	0.000555	± 2.5	PASS
	MCH	VL	TN	1.44	0.000766	± 2.5	PASS
		VN	TN	3.69	0.001963	± 2.5	PASS
		VH	TN	4.88	0.002596	± 2.5	PASS
	HCH	VL	TN	0.96	0.000504	± 2.5	PASS
		VN	TN	0.25	0.000131	± 2.5	PASS
		VH	TN	3.42	0.001795	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.68	0.001984	± 2.5	PASS
		VN	-20	-1.92	-0.001035	± 2.5	PASS
		VN	-10	4.94	0.002663	± 2.5	PASS
		VN	0	3.68	0.001984	± 2.5	PASS
		VN	10	-0.12	-0.000065	± 2.5	PASS
		VN	20	1.52	0.000819	± 2.5	PASS
		VN	30	-1.57	-0.000846	± 2.5	PASS
		VN	40	1.91	0.001030	± 2.5	PASS
		VN	50	-1.16	-0.000625	± 2.5	PASS
	MCH	VN	-30	-1.27	-0.000676	± 2.5	PASS
		VN	-20	4.62	0.002457	± 2.5	PASS
		VN	-10	1.93	0.001027	± 2.5	PASS
		VN	0	2.2	0.001170	± 2.5	PASS

		VN	10	0.71	0.000378	± 2.5	PASS
		VN	20	-1	-0.000532	± 2.5	PASS
		VN	30	2.75	0.001463	± 2.5	PASS
		VN	40	1.34	0.000713	± 2.5	PASS
		VN	50	2.75	0.001463	± 2.5	PASS
	HCH	VN	-30	1.22	0.000640	± 2.5	PASS
		VN	-20	-0.2	-0.000105	± 2.5	PASS
		VN	-10	4.29	0.002252	± 2.5	PASS
		VN	0	2.75	0.001444	± 2.5	PASS
		VN	10	3	0.001575	± 2.5	PASS
		VN	20	-1.44	-0.000756	± 2.5	PASS
		VN	30	-0.05	-0.000026	± 2.5	PASS
		VN	40	0.8	0.000420	± 2.5	PASS
		VN	50	-1.62	-0.000850	± 2.5	PASS
		16QAM	LCH	VN	-30	1.07	0.000577
VN	-20			0.47	0.000253	± 2.5	PASS
VN	-10			1.82	0.000981	± 2.5	PASS
VN	0			-0.22	-0.000119	± 2.5	PASS
VN	10			2.51	0.001353	± 2.5	PASS
VN	20			3.37	0.001817	± 2.5	PASS
VN	30			4.05	0.002183	± 2.5	PASS
VN	40			4.81	0.002593	± 2.5	PASS
VN	50			0.14	0.000075	± 2.5	PASS
MCH	VN		-30	2.86	0.001521	± 2.5	PASS
	VN		-20	3.52	0.001872	± 2.5	PASS
	VN		-10	-0.34	-0.000181	± 2.5	PASS
	VN		0	1.84	0.000979	± 2.5	PASS
	VN		10	1.1	0.000585	± 2.5	PASS
	VN		20	0.9	0.000479	± 2.5	PASS
	VN		30	-1.94	-0.001032	± 2.5	PASS
	VN		40	-0.51	-0.000271	± 2.5	PASS
	VN		50	1.82	0.000968	± 2.5	PASS
HCH	VN		-30	0.58	0.000304	± 2.5	PASS
	VN		-20	2.03	0.001066	± 2.5	PASS
	VN		-10	0.49	0.000257	± 2.5	PASS
	VN		0	1.75	0.000919	± 2.5	PASS
	VN		10	4.56	0.002394	± 2.5	PASS
	VN		20	1.54	0.000808	± 2.5	PASS
	VN		30	2.66	0.001396	± 2.5	PASS
	VN		40	4.59	0.002409	± 2.5	PASS
	VN		50	2.37	0.001244	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.61	0.002482	± 2.5	PASS
		VN	TN	1.9	0.001023	± 2.5	PASS
		VH	TN	1.15	0.000619	± 2.5	PASS
	MCH	VL	TN	1.53	0.000814	± 2.5	PASS
		VN	TN	1.81	0.000963	± 2.5	PASS
		VH	TN	1.26	0.000670	± 2.5	PASS
	HCH	VL	TN	0.57	0.000300	± 2.5	PASS
		VN	TN	3.64	0.001913	± 2.5	PASS
		VH	TN	3.39	0.001782	± 2.5	PASS
16QAM	LCH	VL	TN	4.07	0.002191	± 2.5	PASS
		VN	TN	3.77	0.002030	± 2.5	PASS
		VH	TN	3.02	0.001626	± 2.5	PASS
	MCH	VL	TN	0.26	0.000138	± 2.5	PASS
		VN	TN	3.82	0.002032	± 2.5	PASS
		VH	TN	3	0.001596	± 2.5	PASS
	HCH	VL	TN	1.24	0.000652	± 2.5	PASS
		VN	TN	3.55	0.001866	± 2.5	PASS
		VH	TN	1.88	0.000988	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.34	-0.000183	± 2.5	PASS
		VN	-20	-1.89	-0.001017	± 2.5	PASS
		VN	-10	-1.7	-0.000915	± 2.5	PASS
		VN	0	4.18	0.002250	± 2.5	PASS
		VN	10	1.54	0.000829	± 2.5	PASS
		VN	20	-1.91	-0.001028	± 2.5	PASS
		VN	30	3.75	0.002019	± 2.5	PASS
		VN	40	1.85	0.000996	± 2.5	PASS
		VN	50	3.21	0.001728	± 2.5	PASS
	MCH	VN	-30	4.93	0.002622	± 2.5	PASS
		VN	-20	-0.23	-0.000122	± 2.5	PASS
		VN	-10	2.07	0.001101	± 2.5	PASS
		VN	0	-1.71	-0.000910	± 2.5	PASS
		VN	10	1.36	0.000723	± 2.5	PASS
		VN	20	2.24	0.001191	± 2.5	PASS

	VN	30	-0.68	-0.000362	± 2.5	PASS	
		40	-0.03	-0.000016	± 2.5	PASS	
		50	1.13	0.000601	± 2.5	PASS	
	HCH	VN	-30	0.02	0.000011	± 2.5	PASS
		VN	-20	1.54	0.000809	± 2.5	PASS
		VN	-10	1.38	0.000725	± 2.5	PASS
		VN	0	2.3	0.001209	± 2.5	PASS
		VN	10	1.33	0.000699	± 2.5	PASS
		VN	20	0.03	0.000016	± 2.5	PASS
		VN	30	0.64	0.000336	± 2.5	PASS
		VN	40	3.13	0.001645	± 2.5	PASS
		VN	50	-1.79	-0.000941	± 2.5	PASS
16QAM	LCH	VN	-30	1.34	0.000721	± 2.5	PASS
		VN	-20	3.9	0.002100	± 2.5	PASS
		VN	-10	4.39	0.002363	± 2.5	PASS
		VN	0	1.18	0.000635	± 2.5	PASS
		VN	10	-1.07	-0.000576	± 2.5	PASS
		VN	20	-0.83	-0.000447	± 2.5	PASS
		VN	30	-1	-0.000538	± 2.5	PASS
		VN	40	3.28	0.001766	± 2.5	PASS
		VN	50	-0.46	-0.000248	± 2.5	PASS
	MCH	VN	-30	4.52	0.002404	± 2.5	PASS
		VN	-20	3.33	0.001771	± 2.5	PASS
		VN	-10	-1.23	-0.000654	± 2.5	PASS
		VN	0	0.27	0.000144	± 2.5	PASS
		VN	10	4.51	0.002399	± 2.5	PASS
		VN	20	3.6	0.001915	± 2.5	PASS
		VN	30	1.26	0.000670	± 2.5	PASS
		VN	40	2.19	0.001165	± 2.5	PASS
		VN	50	0.13	0.000069	± 2.5	PASS
	HCH	VN	-30	-1.15	-0.000604	± 2.5	PASS
		VN	-20	-1.2	-0.000631	± 2.5	PASS
		VN	-10	-0.15	-0.000079	± 2.5	PASS
		VN	0	0.9	0.000473	± 2.5	PASS
		VN	10	4.98	0.002618	± 2.5	PASS
		VN	20	3.24	0.001703	± 2.5	PASS
		VN	30	-1.04	-0.000547	± 2.5	PASS
		VN	40	4	0.002102	± 2.5	PASS
		VN	50	1.93	0.001014	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.58	0.000312	± 2.5	PASS
		VN	TN	0.85	0.000457	± 2.5	PASS
		VH	TN	3.42	0.001839	± 2.5	PASS
	MCH	VL	TN	3.73	0.001984	± 2.5	PASS
		VN	TN	0.89	0.000473	± 2.5	PASS
		VH	TN	1.88	0.001000	± 2.5	PASS
	HCH	VL	TN	-1.72	-0.000905	± 2.5	PASS
		VN	TN	-1.76	-0.000926	± 2.5	PASS
		VH	TN	1.45	0.000763	± 2.5	PASS
16QAM	LCH	VL	TN	0.44	0.000237	± 2.5	PASS
		VN	TN	1.85	0.000995	± 2.5	PASS
		VH	TN	1.83	0.000984	± 2.5	PASS
	MCH	VL	TN	4.6	0.002447	± 2.5	PASS
		VN	TN	4.16	0.002213	± 2.5	PASS
		VH	TN	-1.17	-0.000622	± 2.5	PASS
	HCH	VL	TN	4.64	0.002442	± 2.5	PASS
		VN	TN	3.34	0.001758	± 2.5	PASS
		VH	TN	2.78	0.001463	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.77	-0.000952	± 2.5	PASS
		VN	-20	2.65	0.001425	± 2.5	PASS
		VN	-10	3.98	0.002140	± 2.5	PASS
		VN	0	-1.08	-0.000581	± 2.5	PASS
		VN	10	0.27	0.000145	± 2.5	PASS
		VN	20	3.27	0.001758	± 2.5	PASS
		VN	30	2.53	0.001360	± 2.5	PASS
		VN	40	-0.59	-0.000317	± 2.5	PASS
		VN	50	4.13	0.002220	± 2.5	PASS
	MCH	VN	-30	1.42	0.000755	± 2.5	PASS
		VN	-20	-1.84	-0.000979	± 2.5	PASS
		VN	-10	4.92	0.002617	± 2.5	PASS
		VN	0	0.96	0.000511	± 2.5	PASS
		VN	10	-0.98	-0.000521	± 2.5	PASS
		VN	20	4.75	0.002527	± 2.5	PASS

		VN	30	1.36	0.000723	± 2.5	PASS
		VN	40	1.75	0.000931	± 2.5	PASS
		VN	50	0.73	0.000388	± 2.5	PASS
	HCH	VN	-30	1.64	0.000863	± 2.5	PASS
		VN	-20	1.72	0.000905	± 2.5	PASS
		VN	-10	2.98	0.001568	± 2.5	PASS
		VN	0	-1.51	-0.000795	± 2.5	PASS
		VN	10	2.86	0.001505	± 2.5	PASS
		VN	20	1.98	0.001042	± 2.5	PASS
		VN	30	0.21	0.000111	± 2.5	PASS
		VN	40	4.26	0.002242	± 2.5	PASS
		VN	50	3.19	0.001679	± 2.5	PASS
		16QAM	LCH	VN	-30	-2	-0.001075
VN	-20			1.67	0.000898	± 2.5	PASS
VN	-10			3.56	0.001914	± 2.5	PASS
VN	0			-0.84	-0.000452	± 2.5	PASS
VN	10			4.42	0.002376	± 2.5	PASS
VN	20			3.58	0.001925	± 2.5	PASS
VN	30			4.73	0.002543	± 2.5	PASS
VN	40			-0.06	-0.000032	± 2.5	PASS
VN	50			0.6	0.000323	± 2.5	PASS
MCH	VN		-30	-0.42	-0.000223	± 2.5	PASS
	VN		-20	-0.03	-0.000016	± 2.5	PASS
	VN		-10	2.19	0.001165	± 2.5	PASS
	VN		0	-0.37	-0.000197	± 2.5	PASS
	VN		10	2.64	0.001404	± 2.5	PASS
	VN		20	0.02	0.000011	± 2.5	PASS
	VN		30	-0.67	-0.000356	± 2.5	PASS
	VN		40	-1.2	-0.000638	± 2.5	PASS
	VN		50	2.18	0.001160	± 2.5	PASS
HCH	VN		-30	-0.1	-0.000053	± 2.5	PASS
	VN		-20	2.03	0.001068	± 2.5	PASS
	VN		-10	0.29	0.000153	± 2.5	PASS
	VN		0	3.58	0.001884	± 2.5	PASS
	VN		10	-1.41	-0.000742	± 2.5	PASS
	VN		20	-1.88	-0.000989	± 2.5	PASS
	VN		30	4.69	0.002468	± 2.5	PASS
	VN		40	0.97	0.000511	± 2.5	PASS
	VN		50	0.12	0.000063	± 2.5	PASS