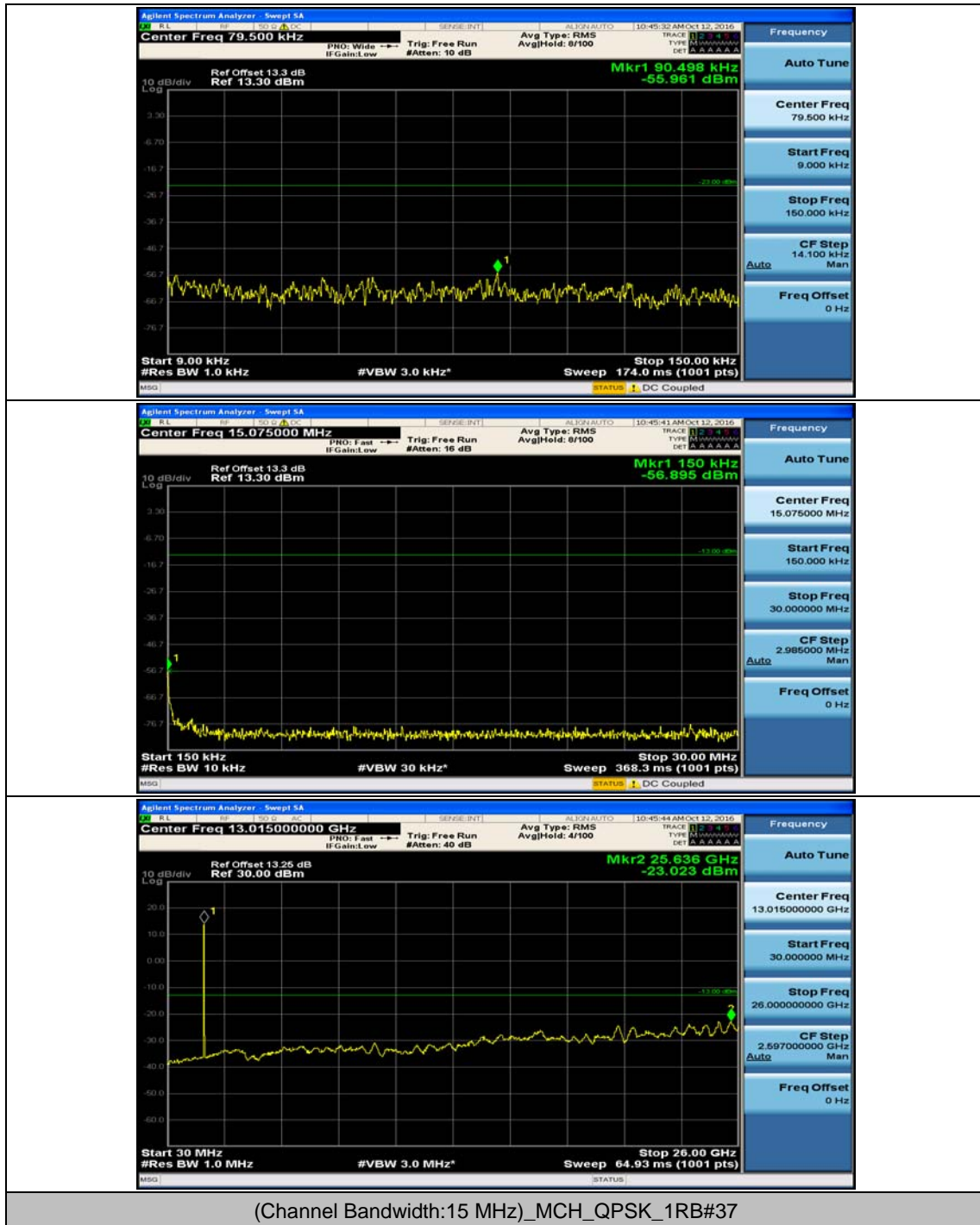
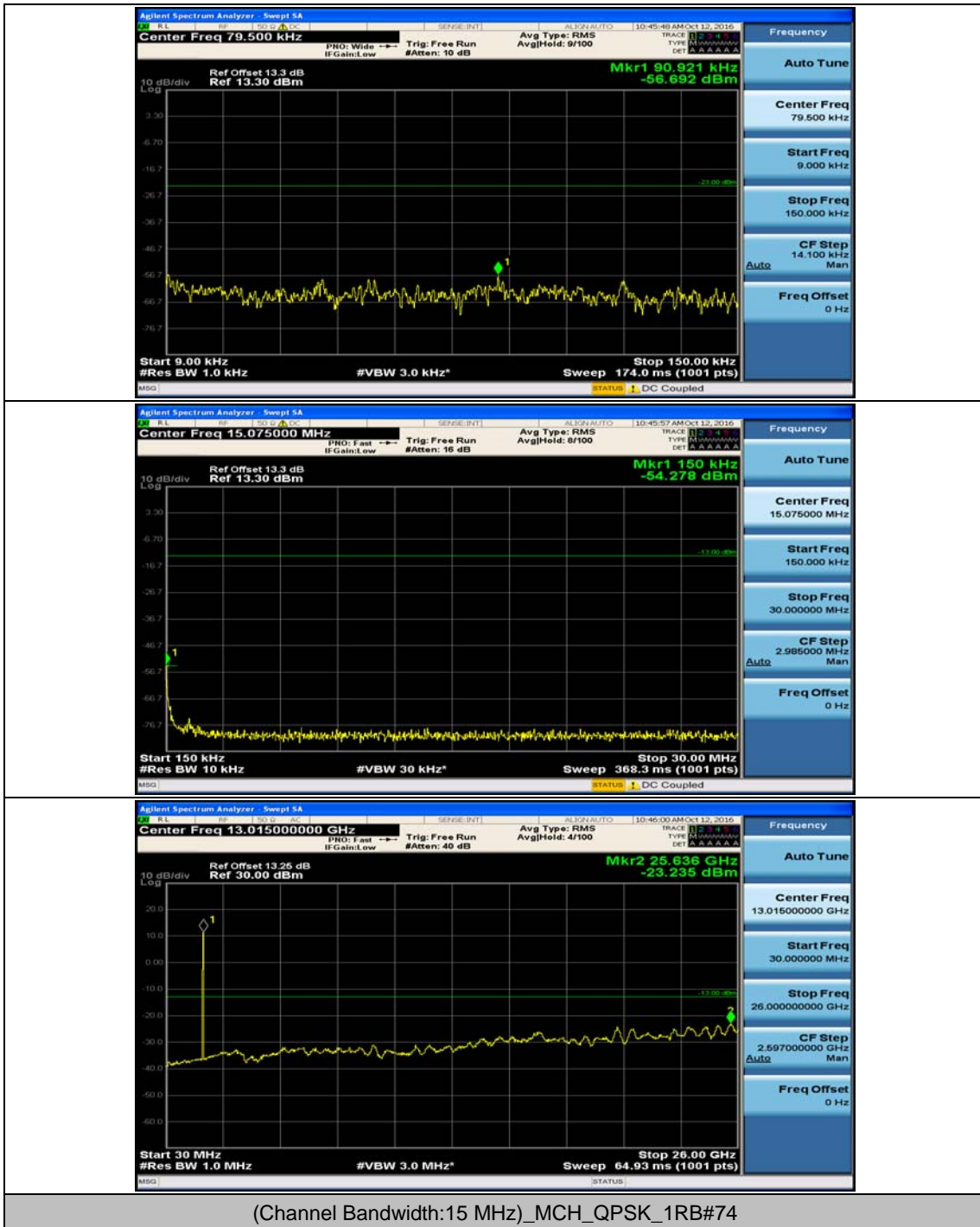
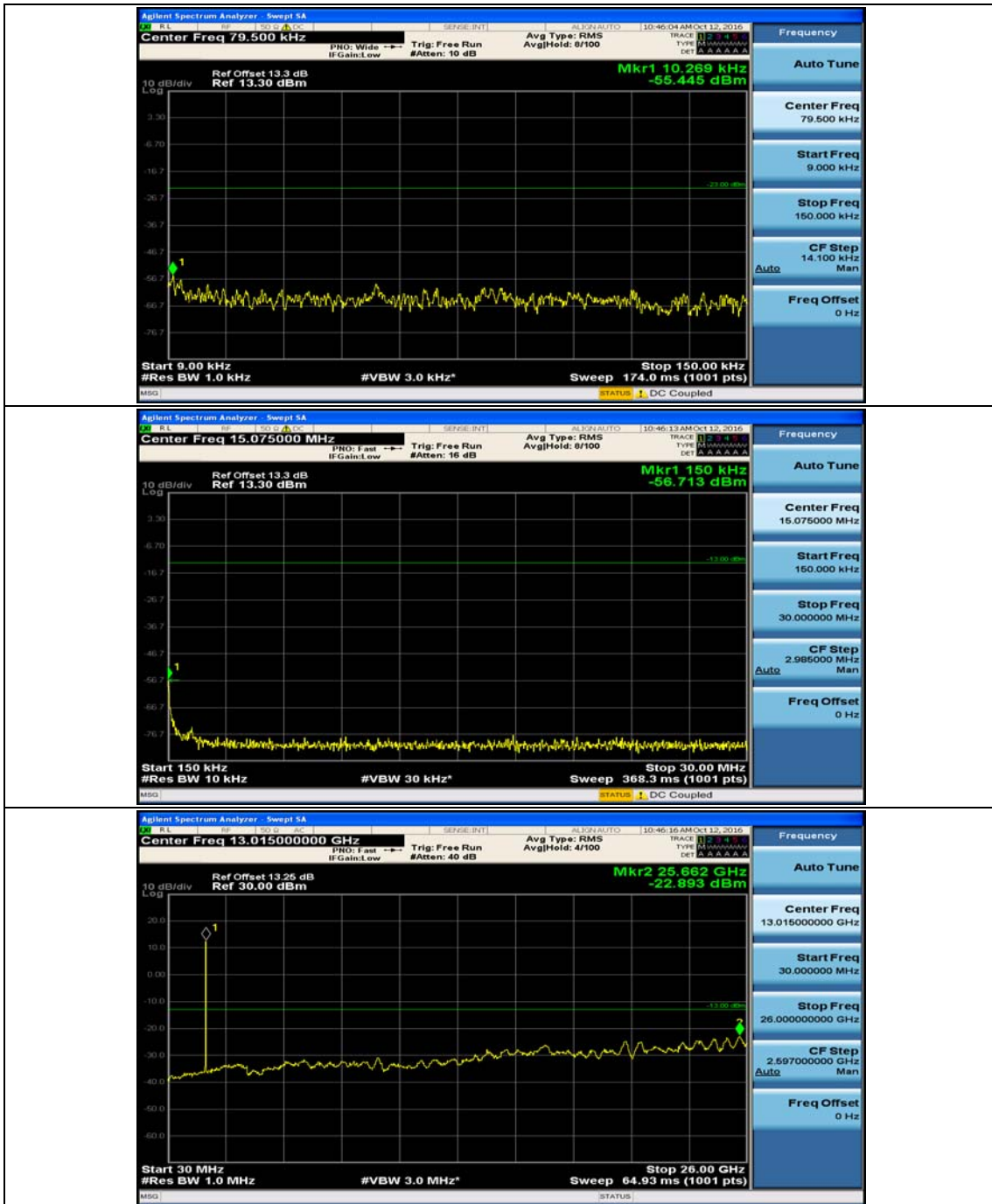


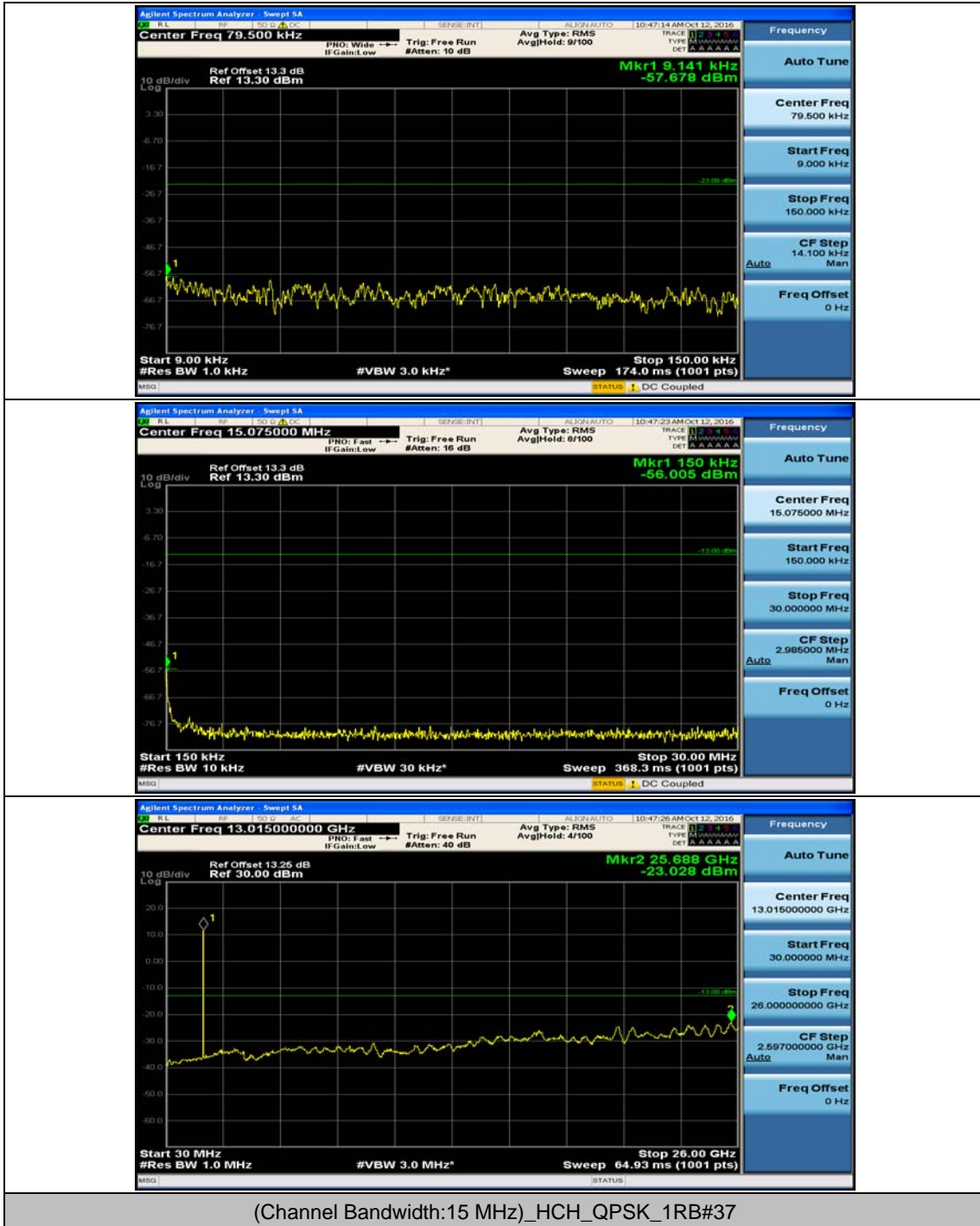
(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

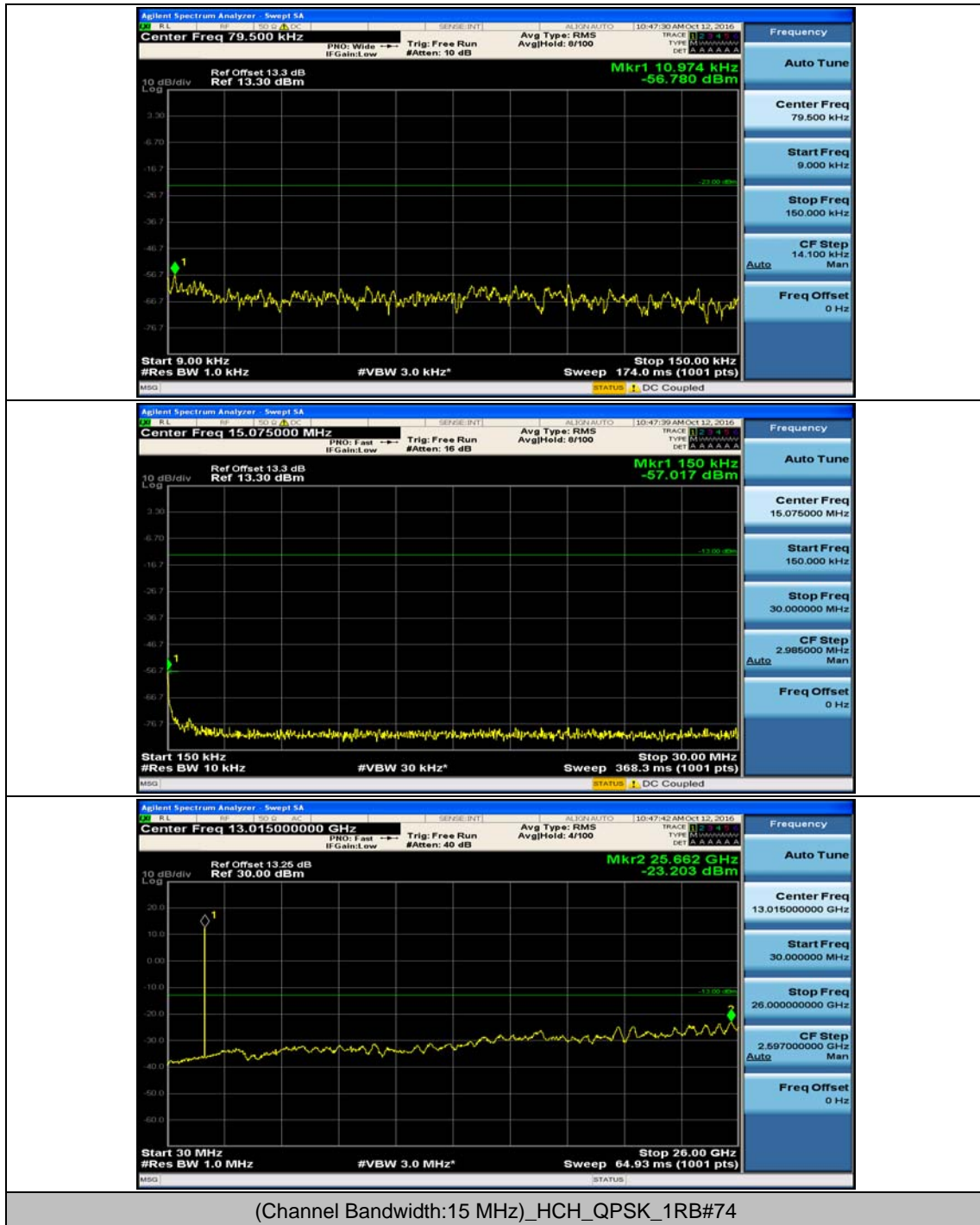


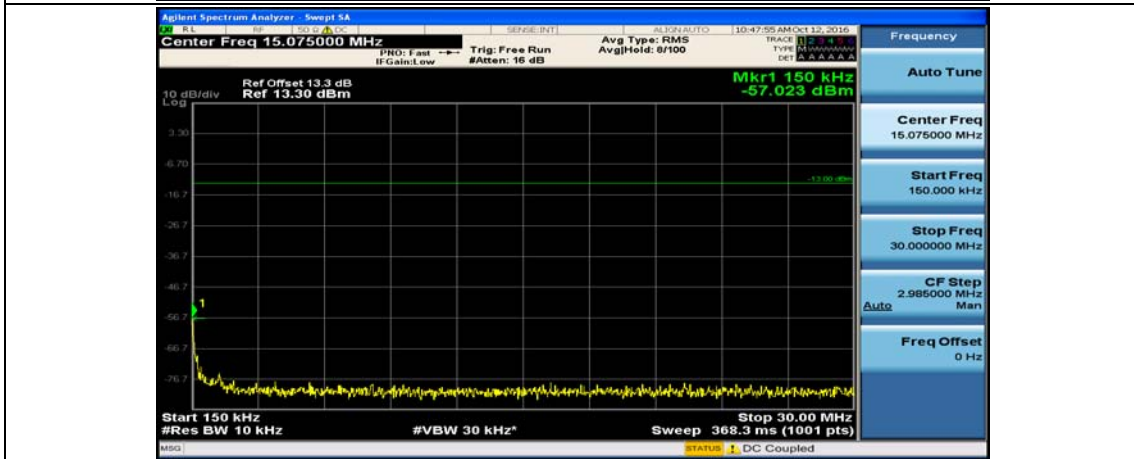
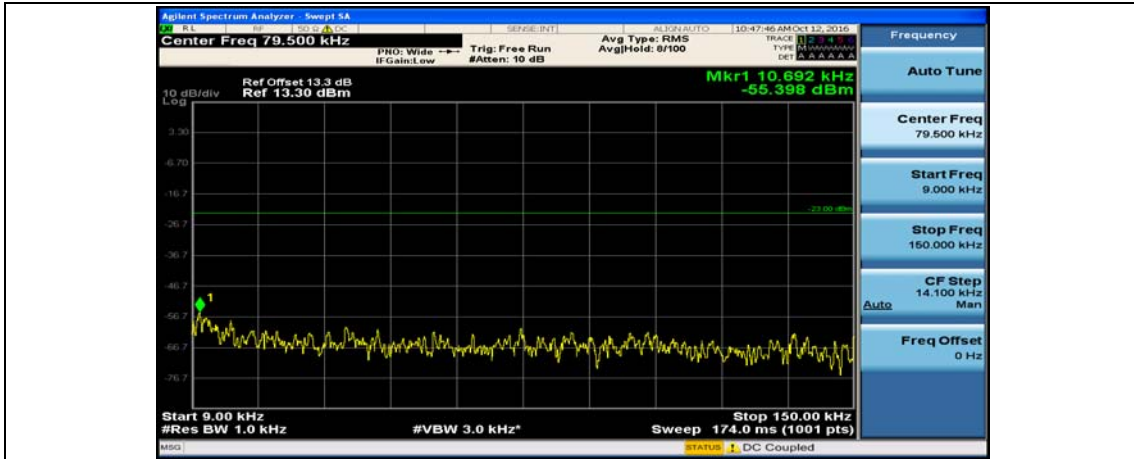




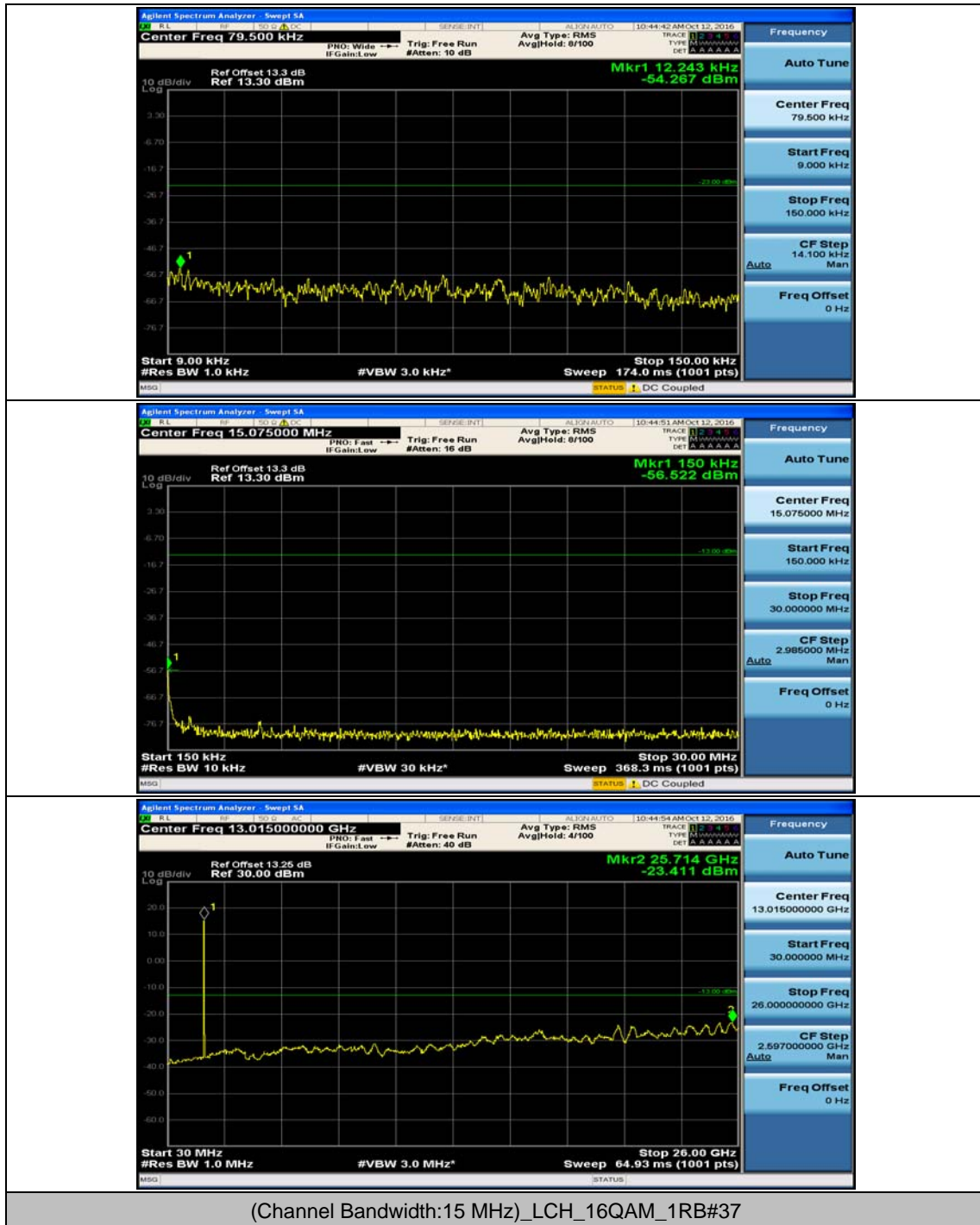
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

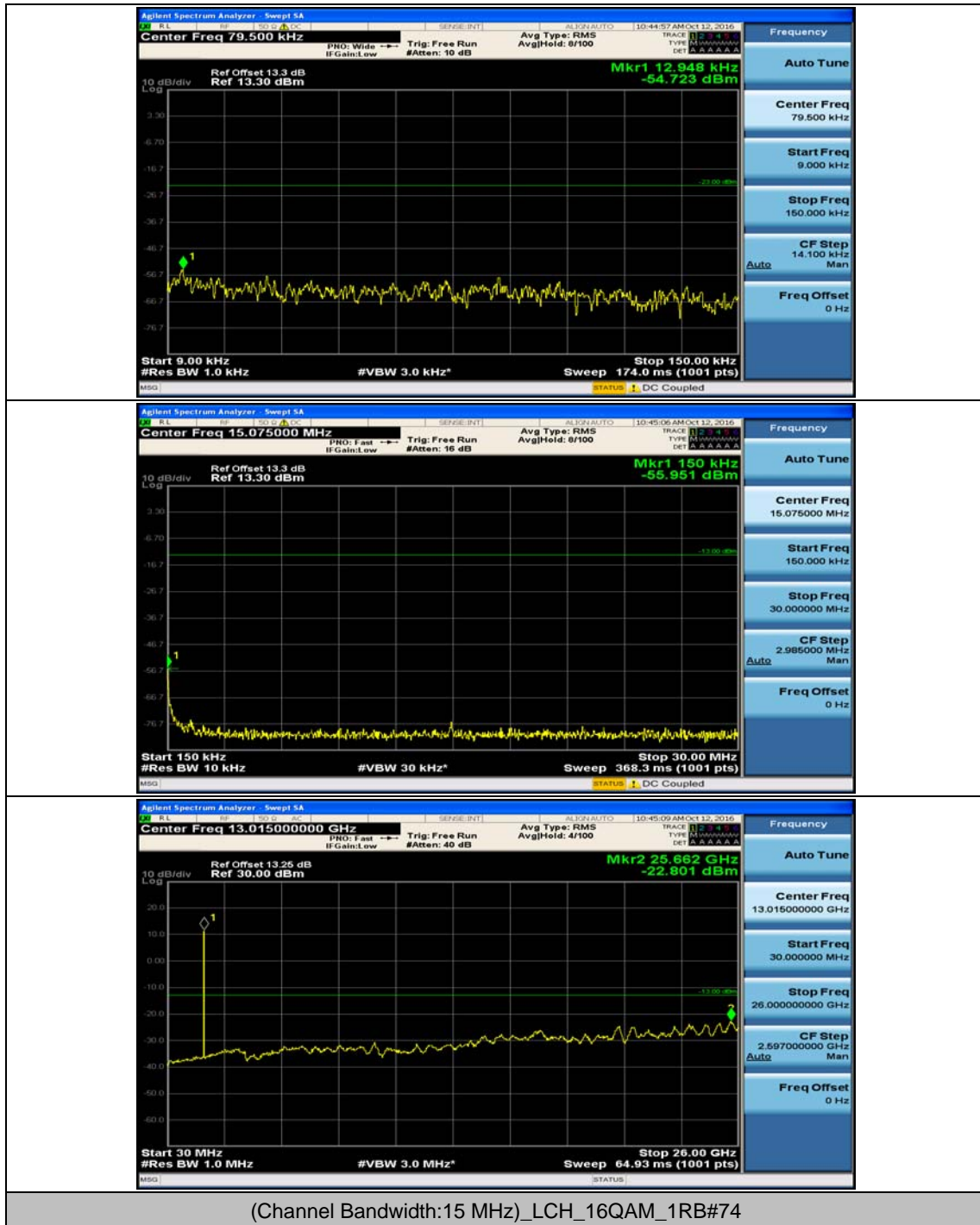


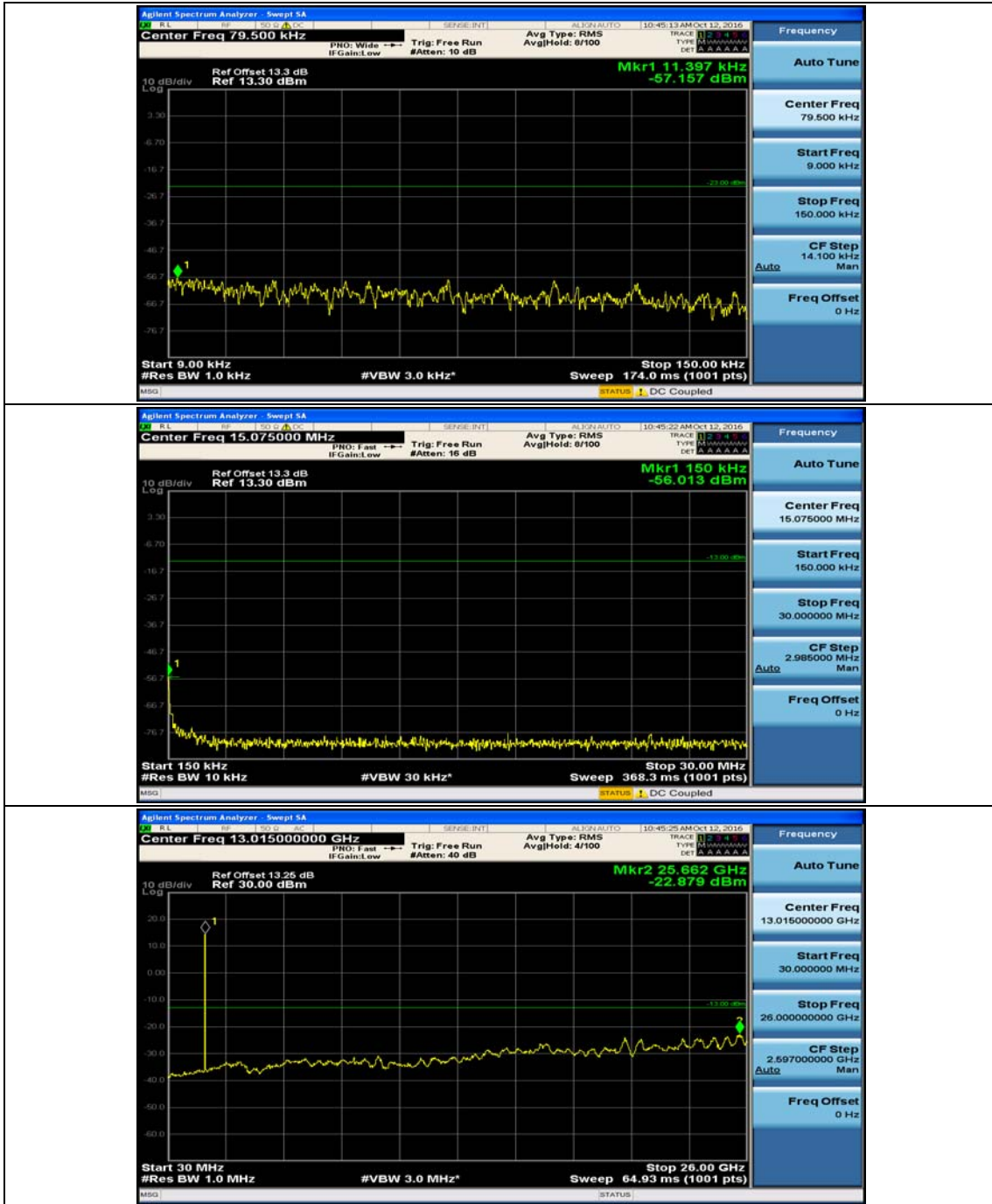




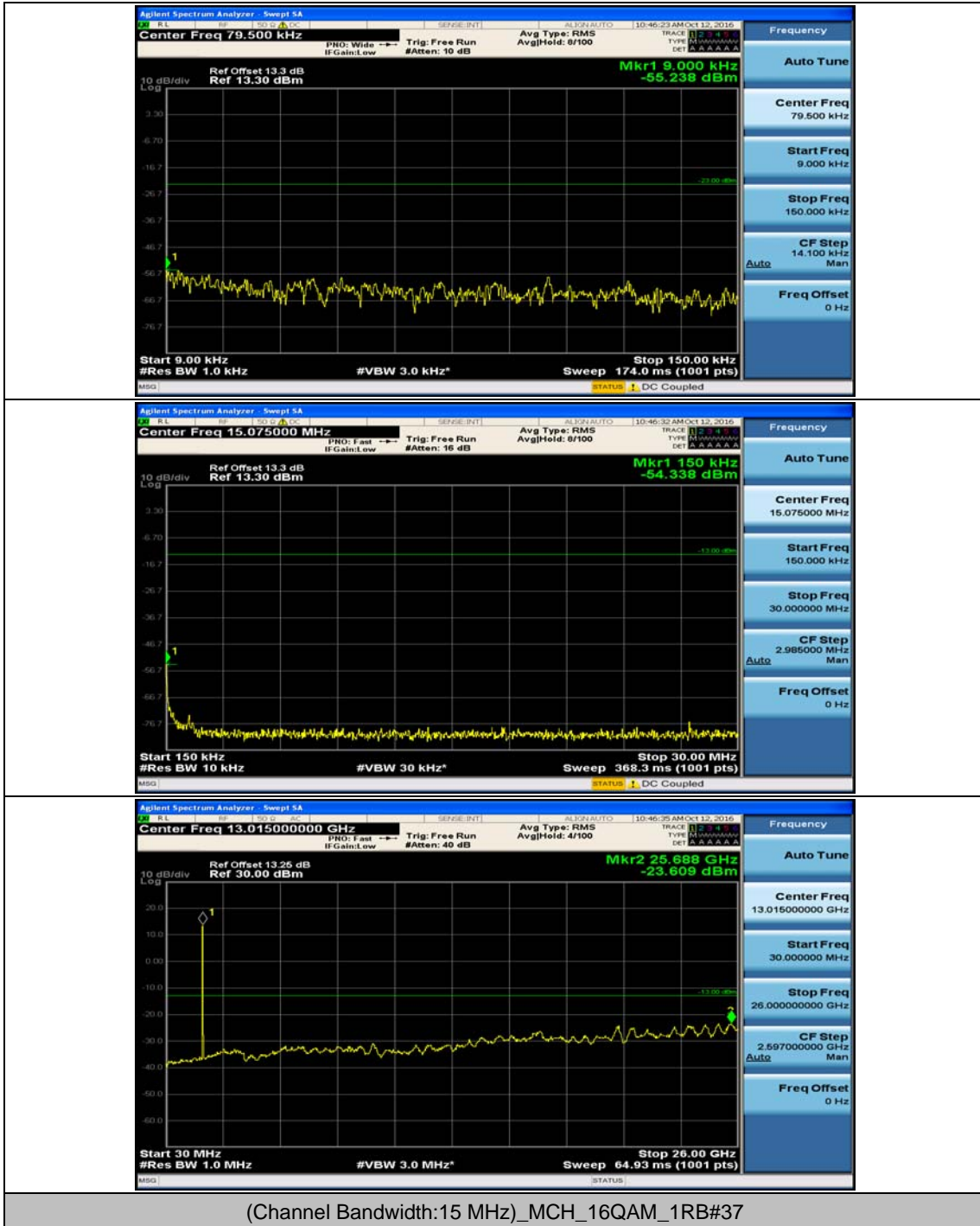
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

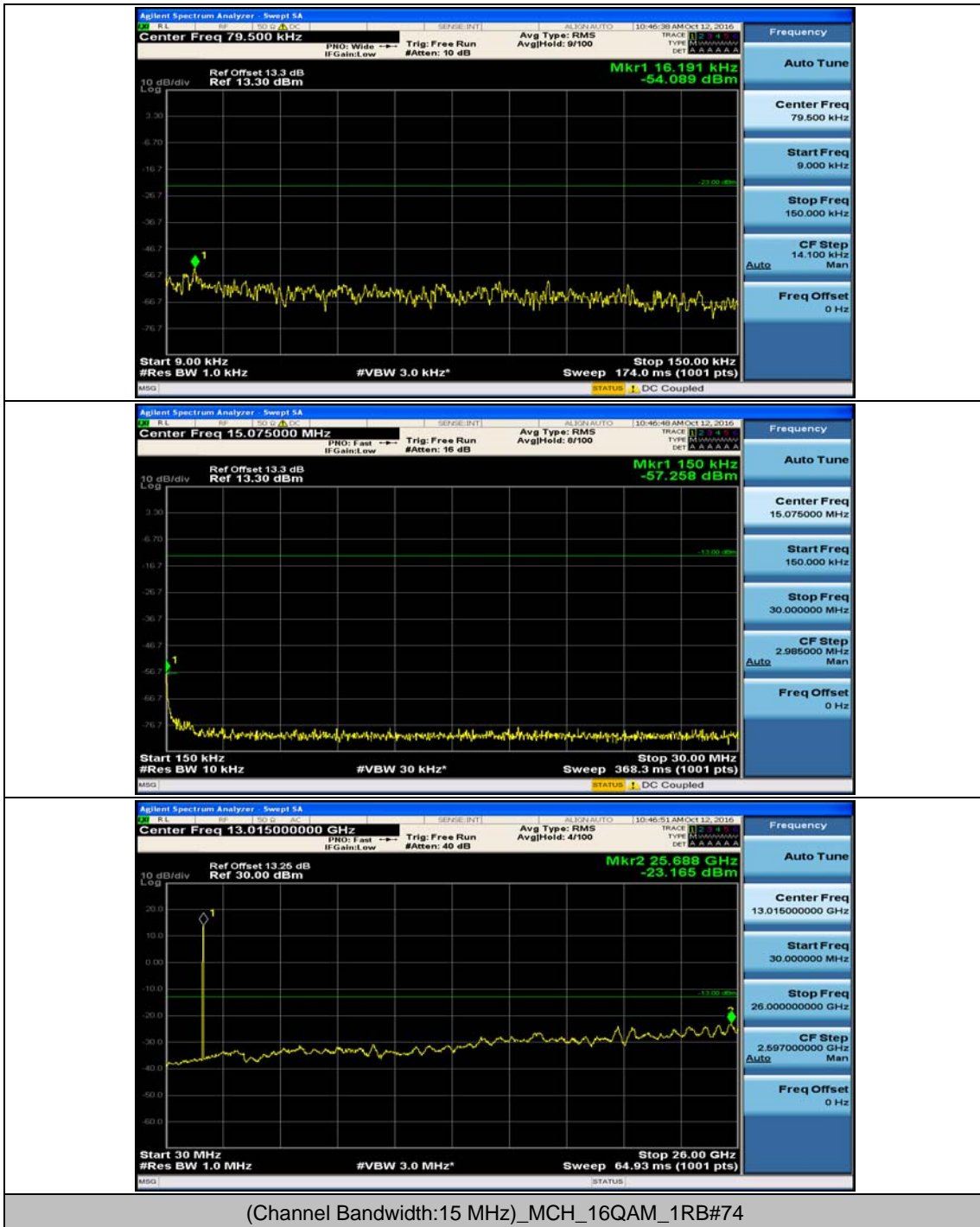


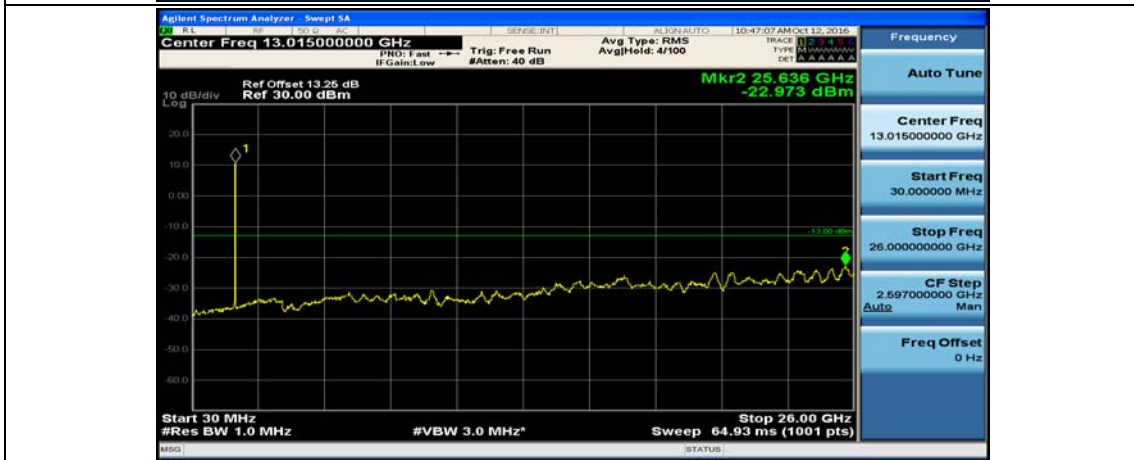
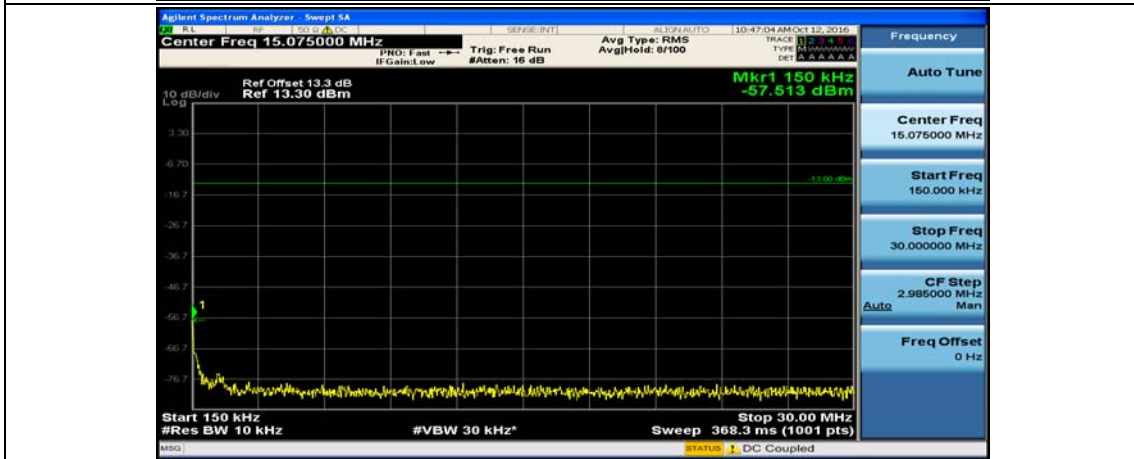
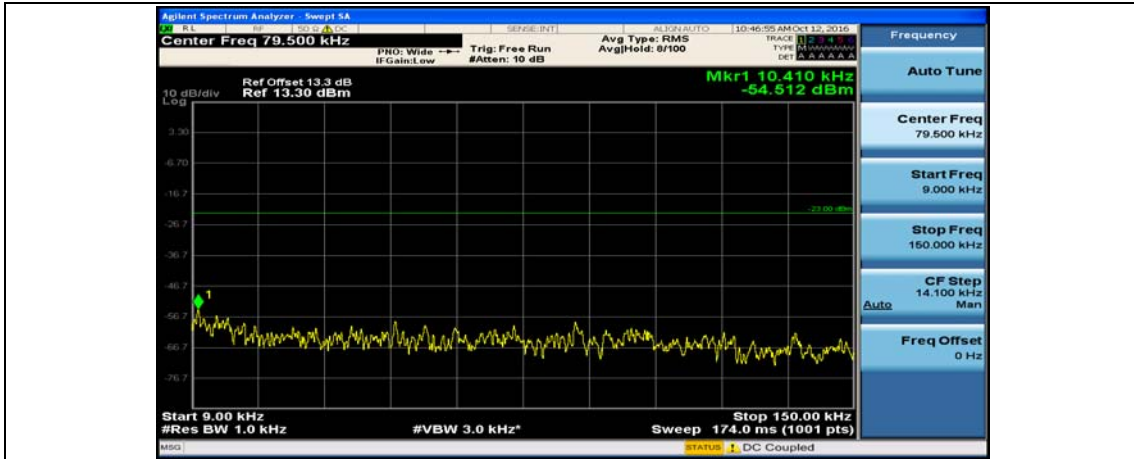




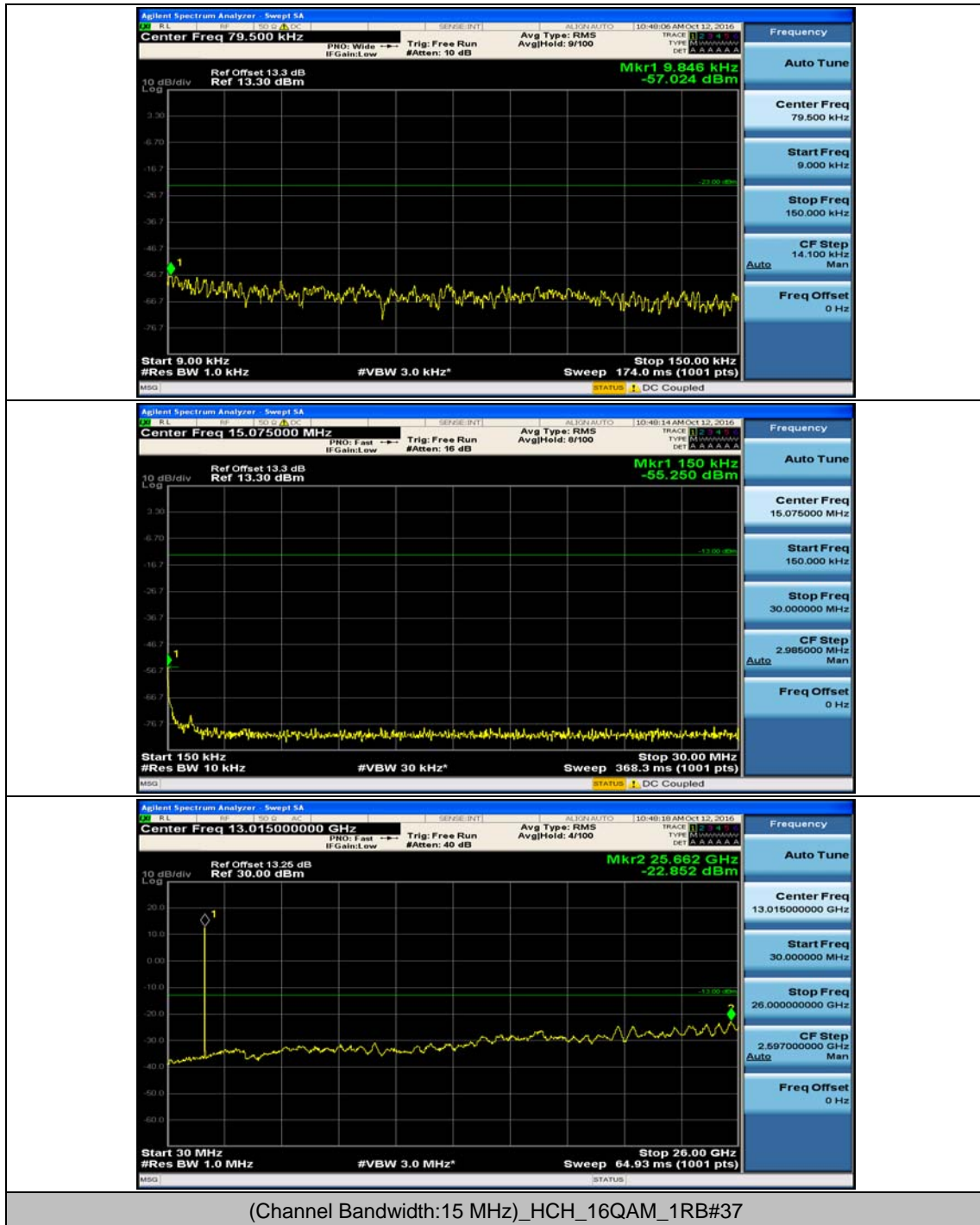
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

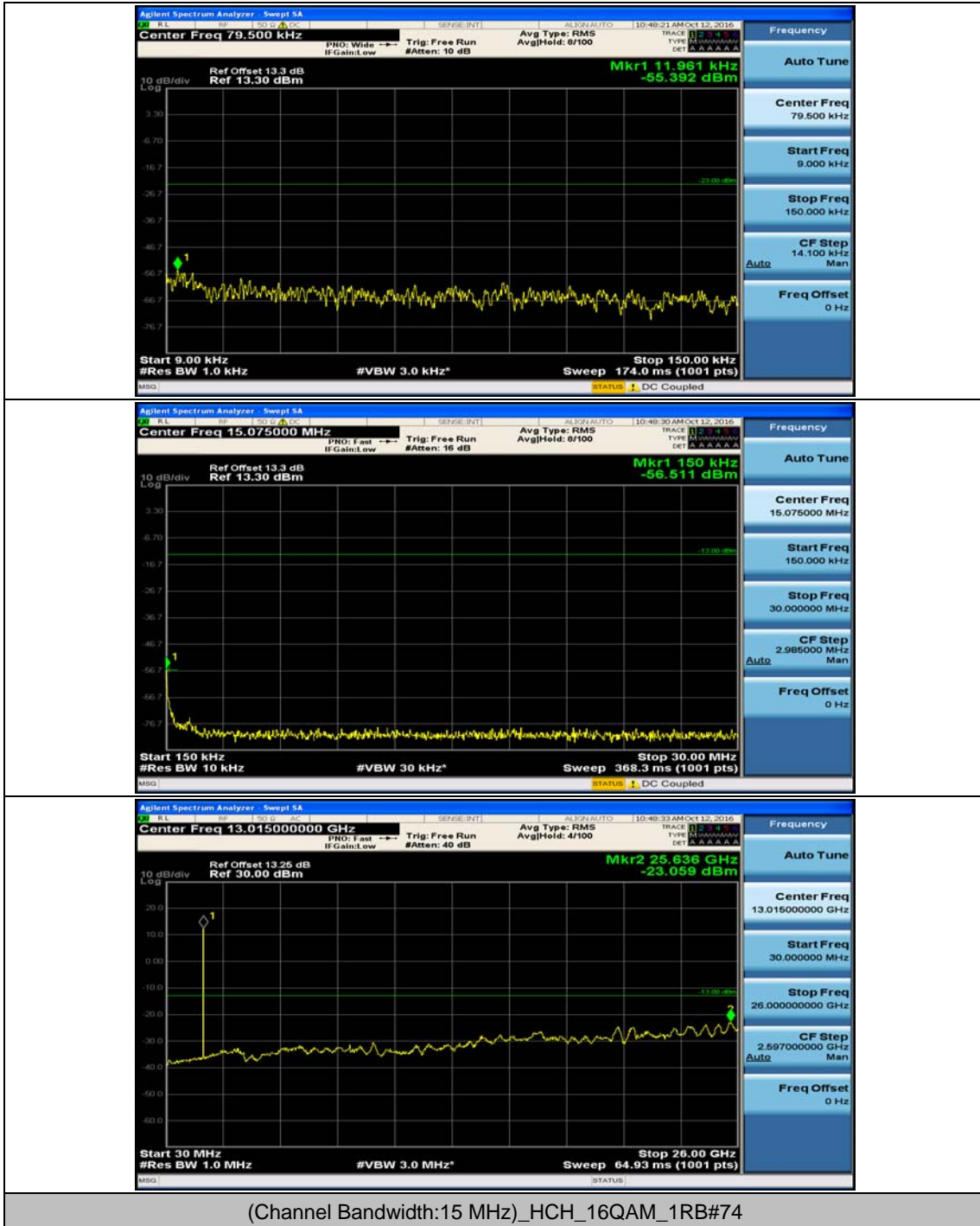


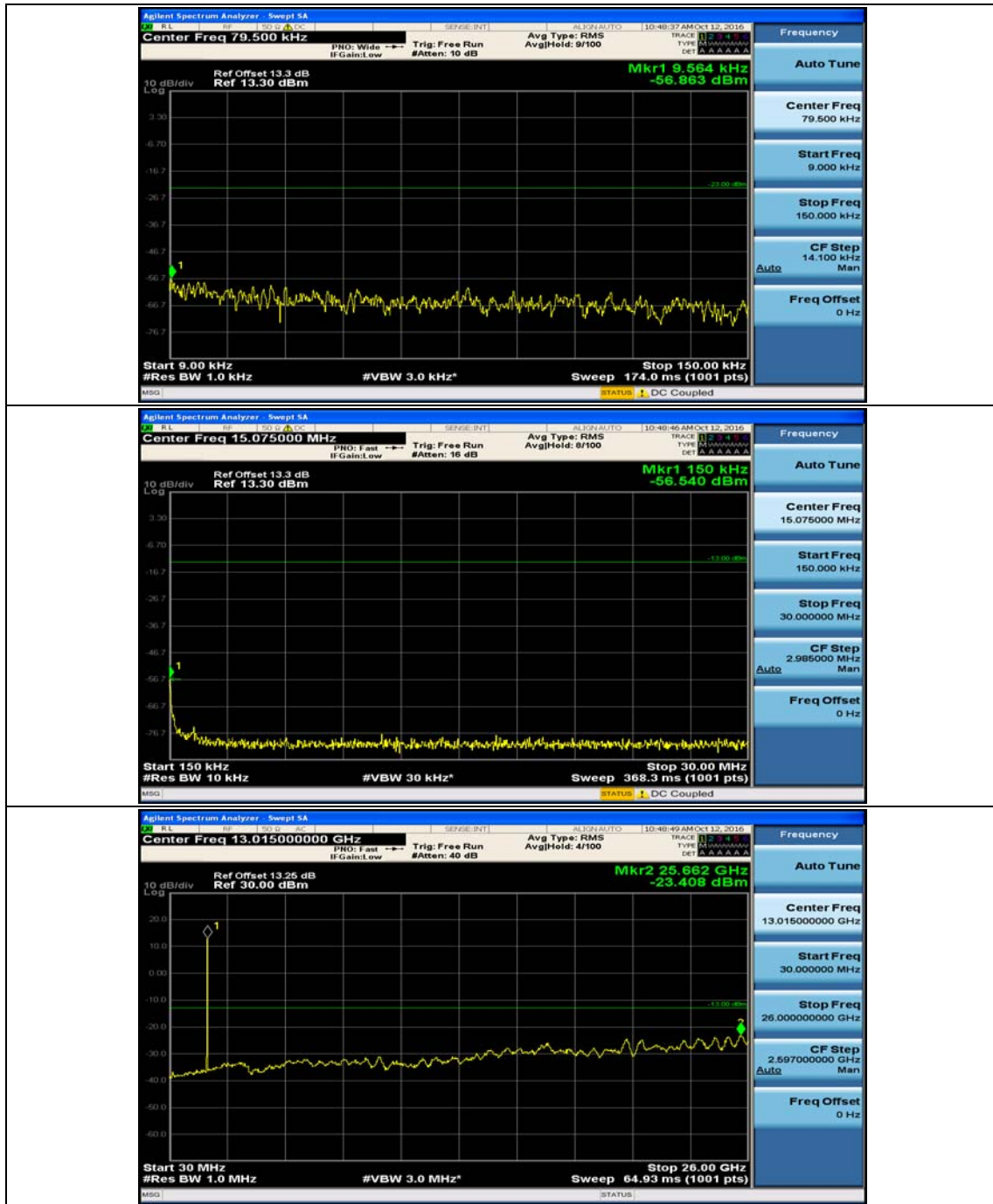




(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

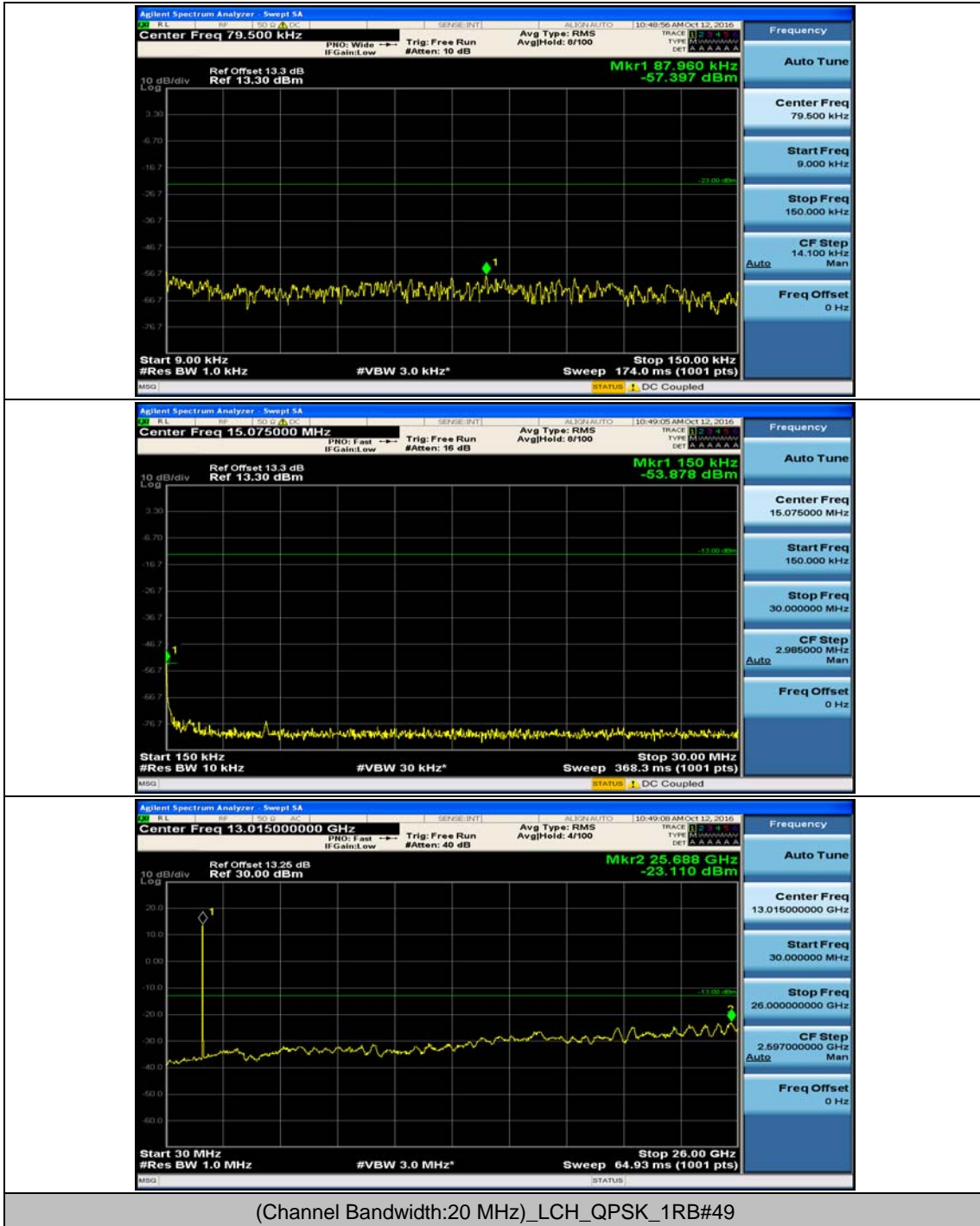


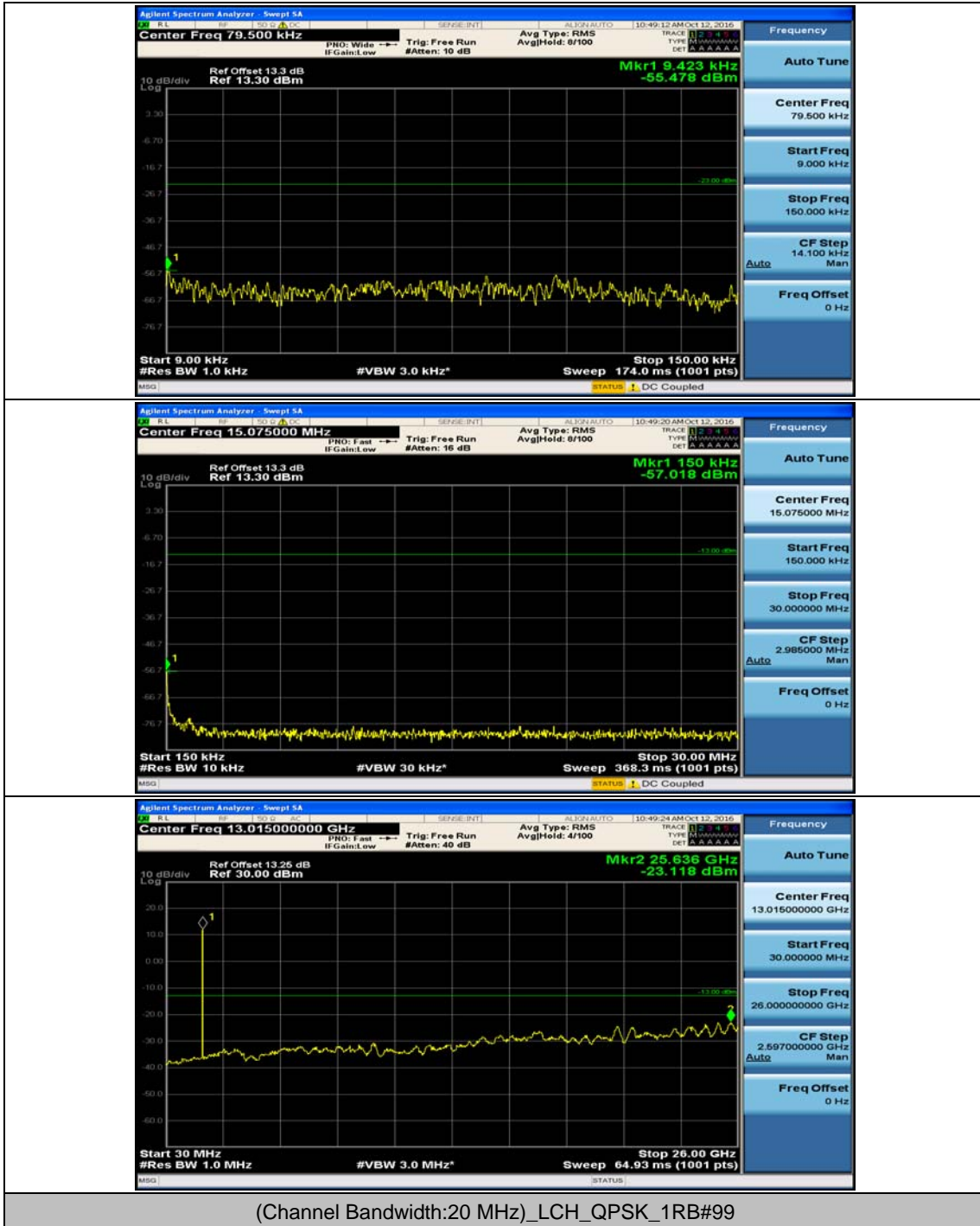


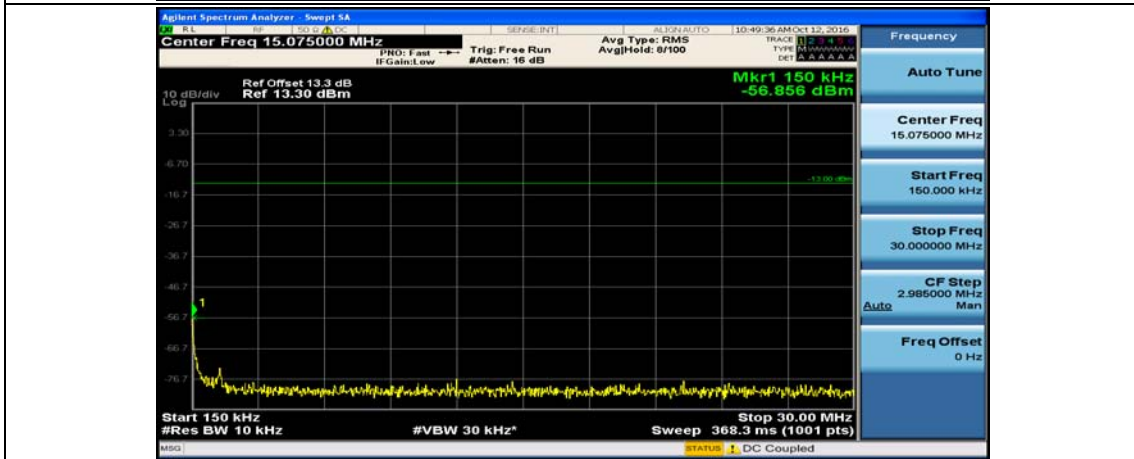
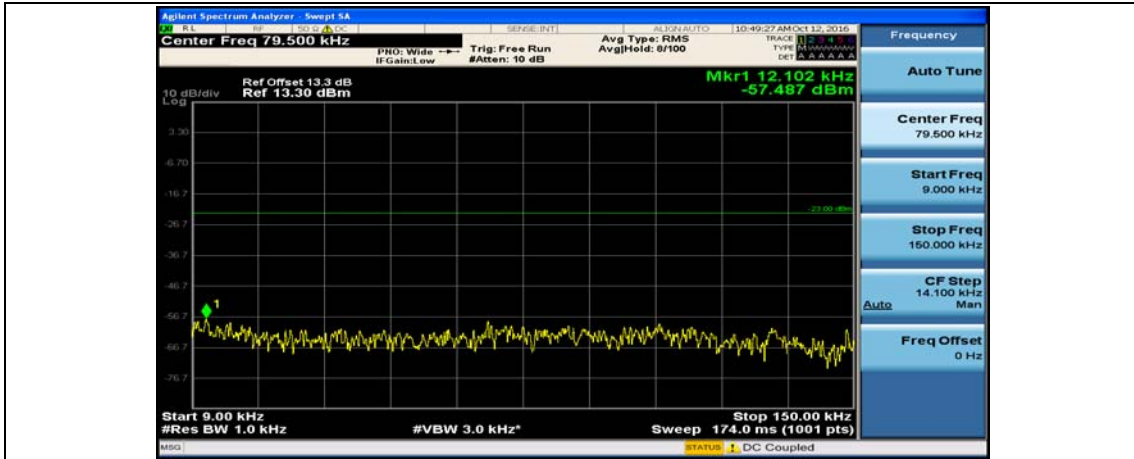


Channel Bandwidth: 20 MHz

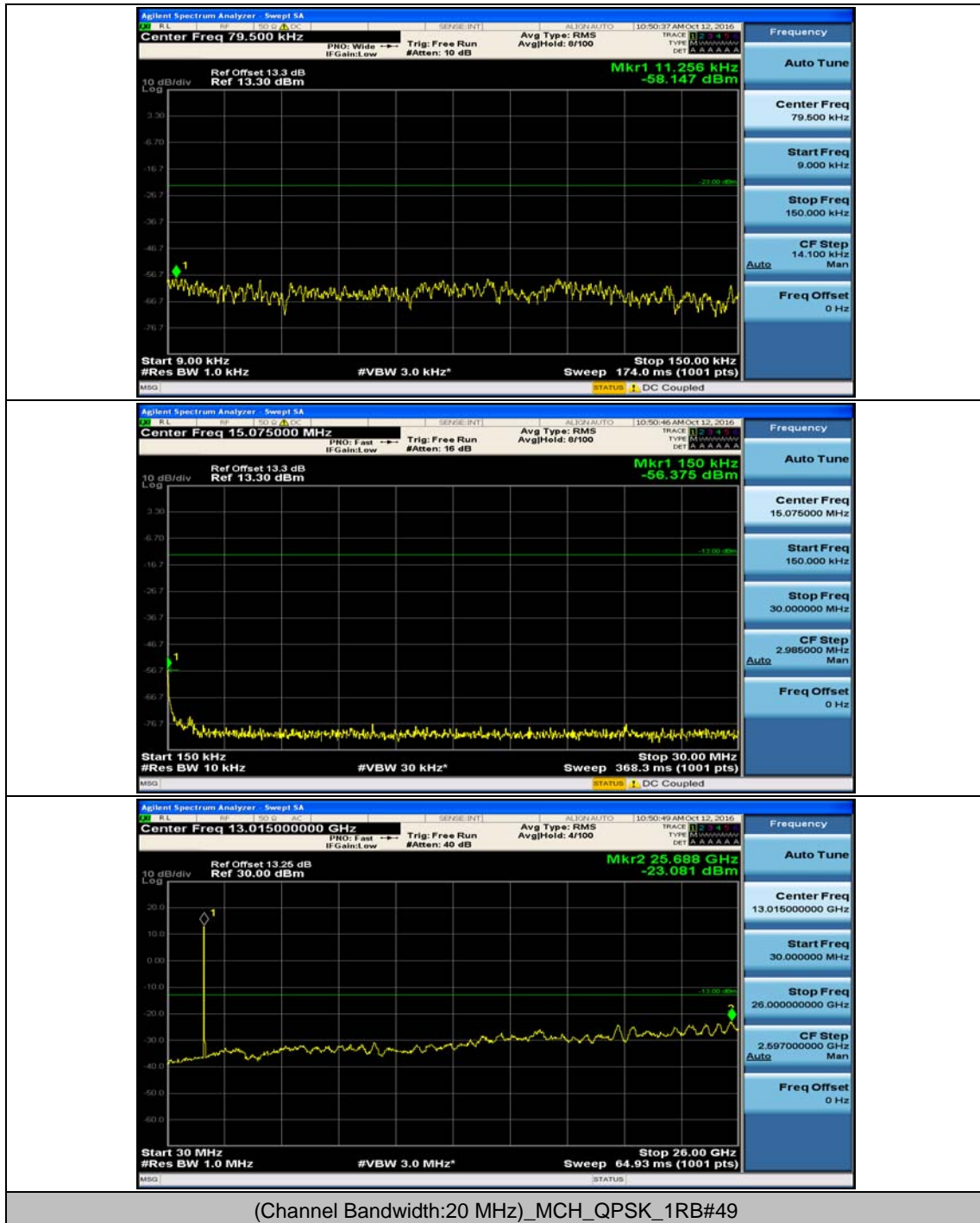
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

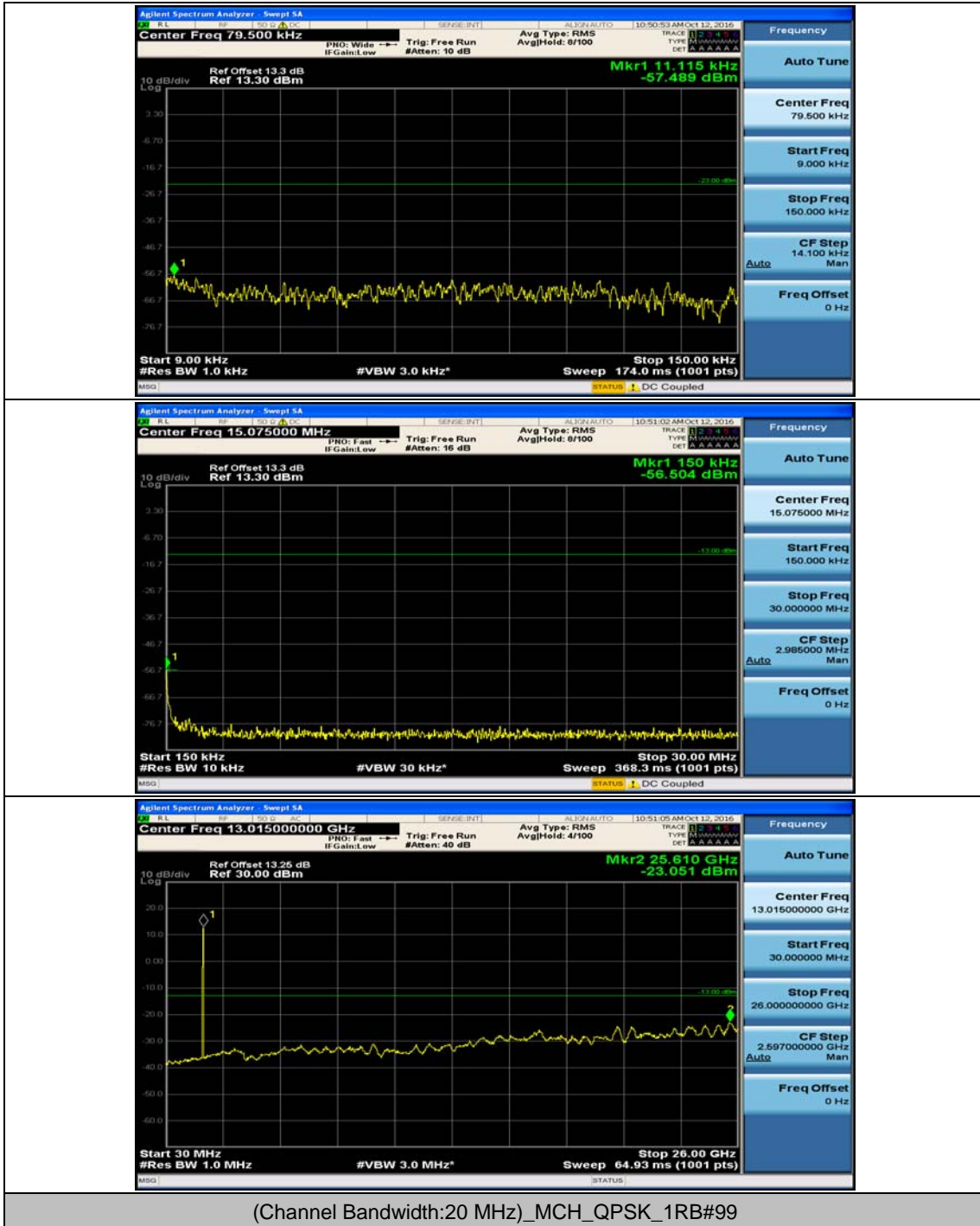


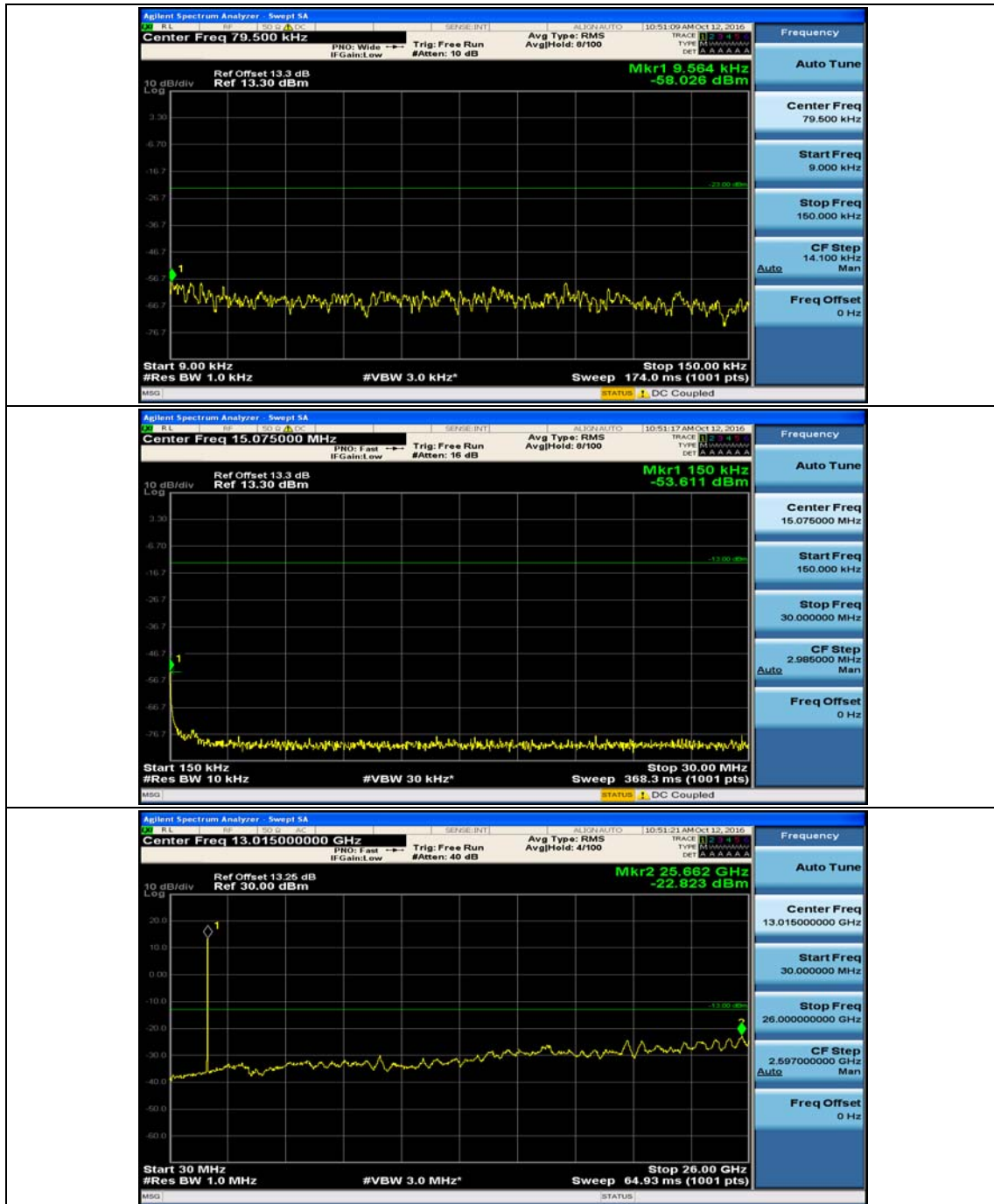




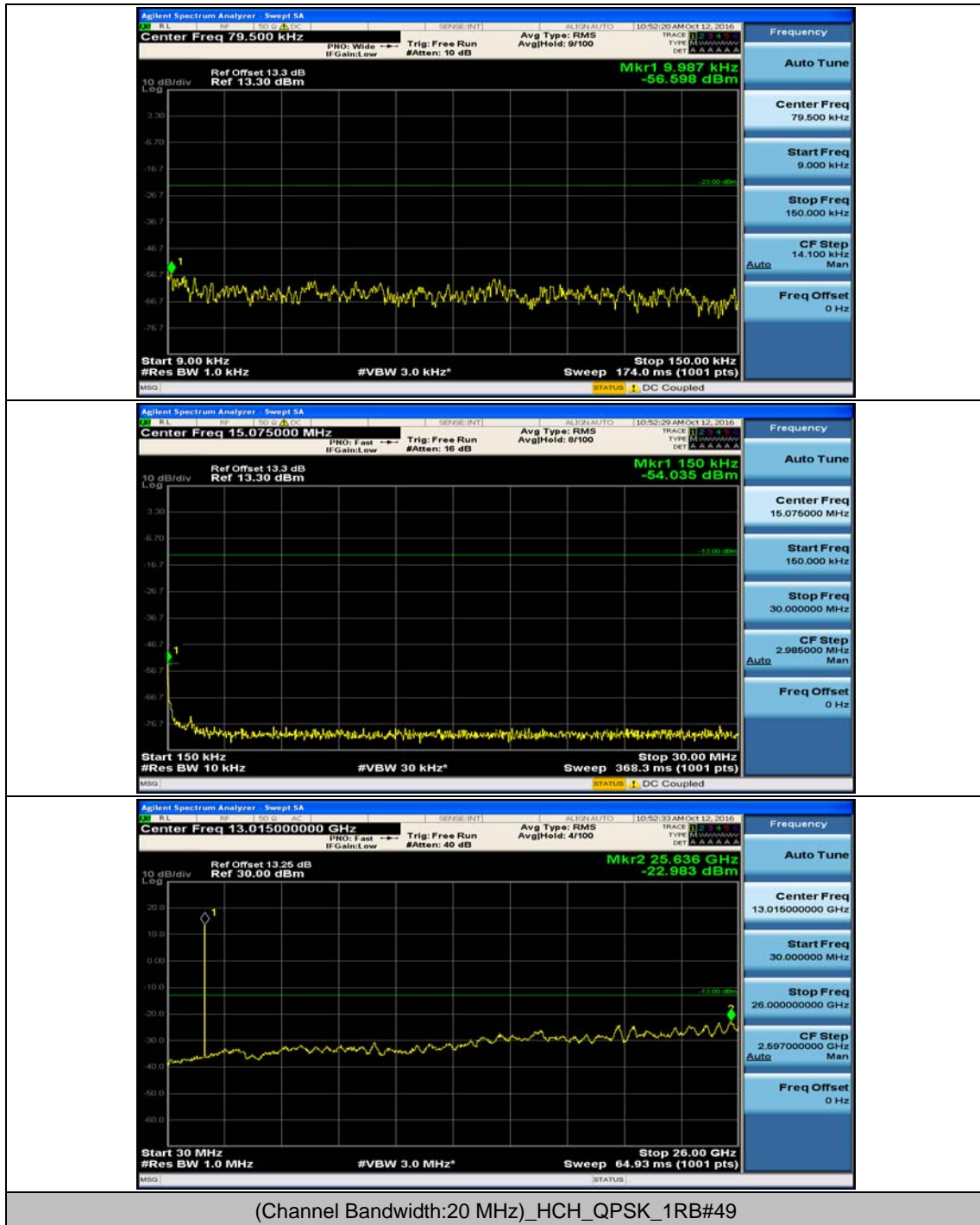
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

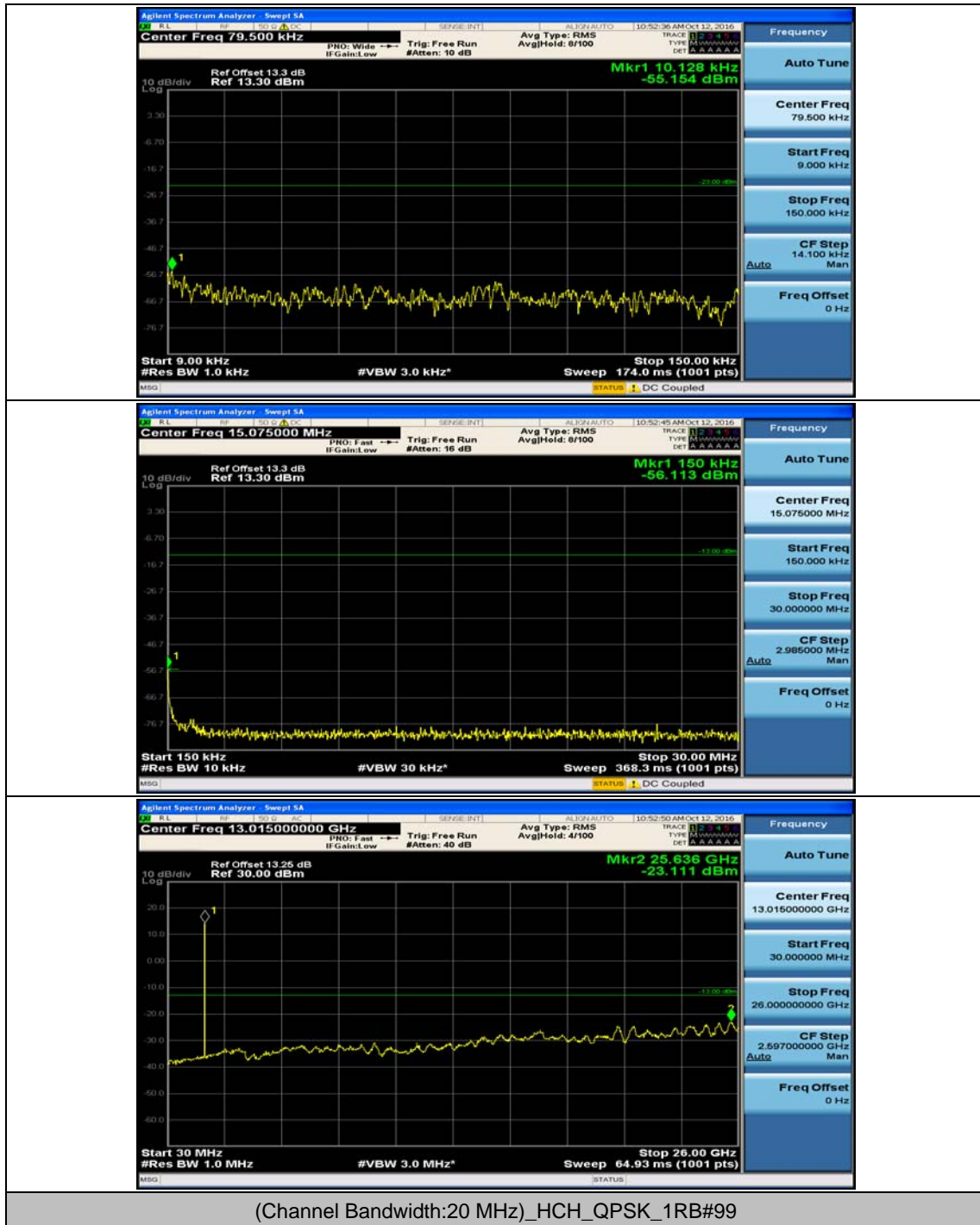


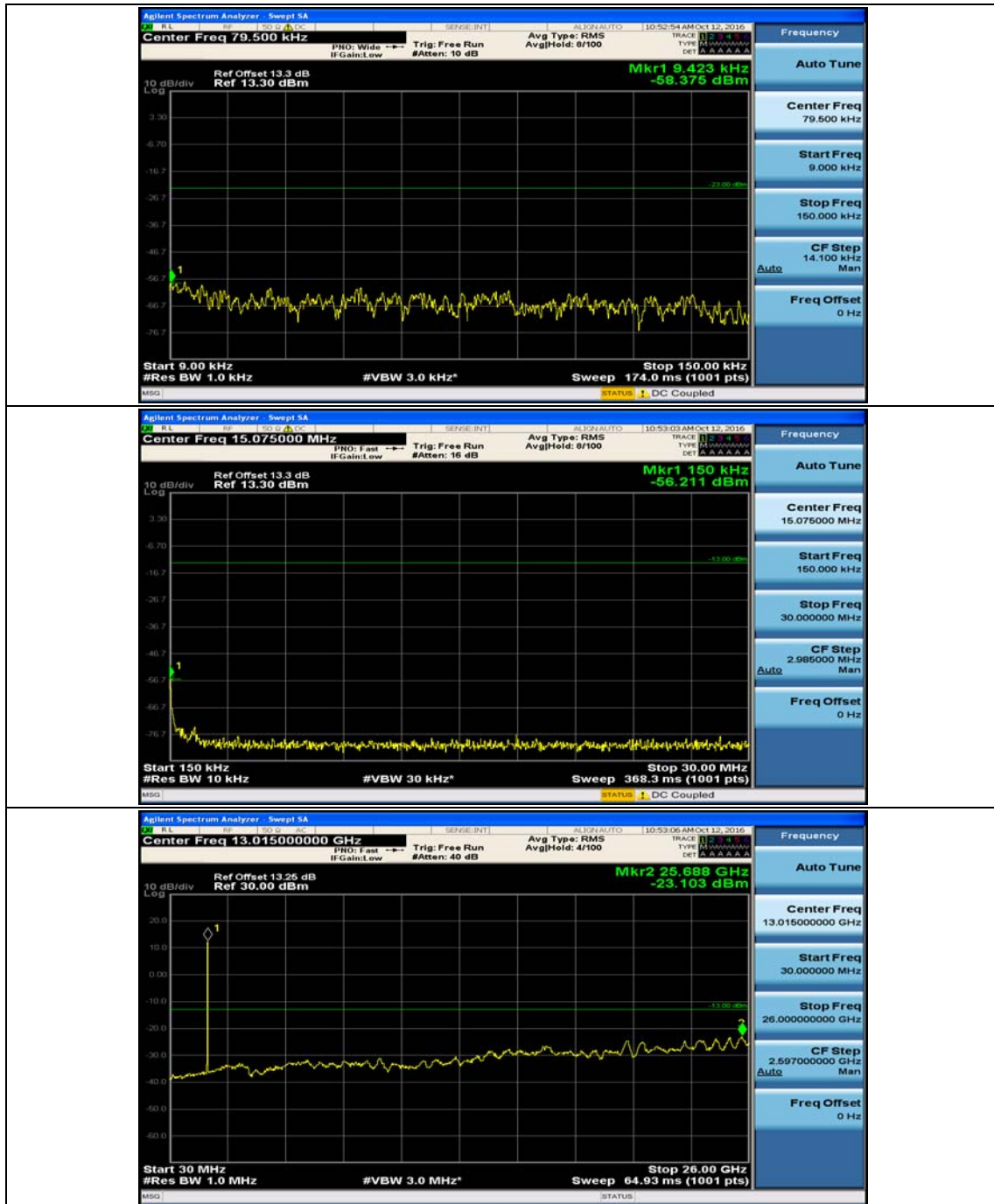




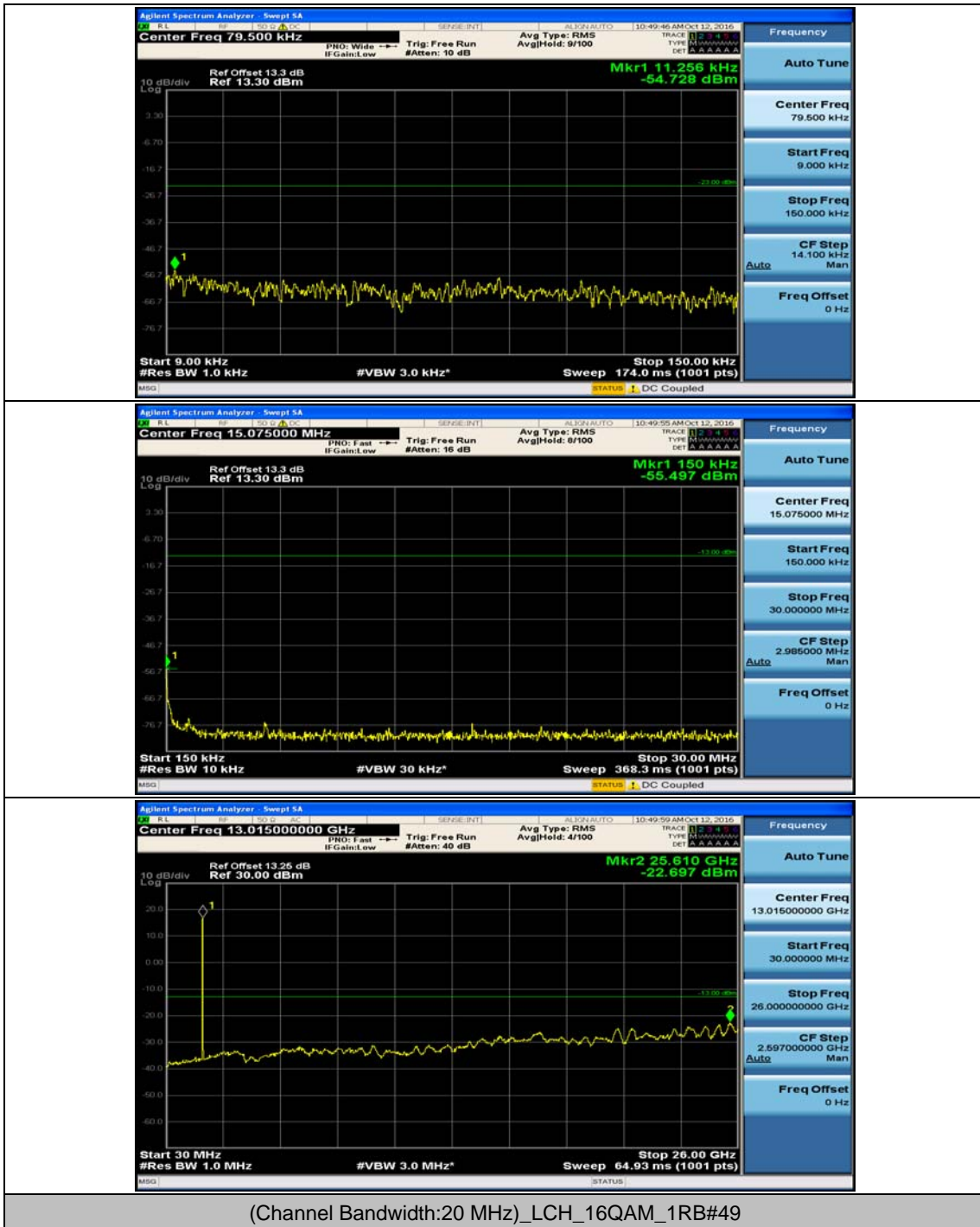
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

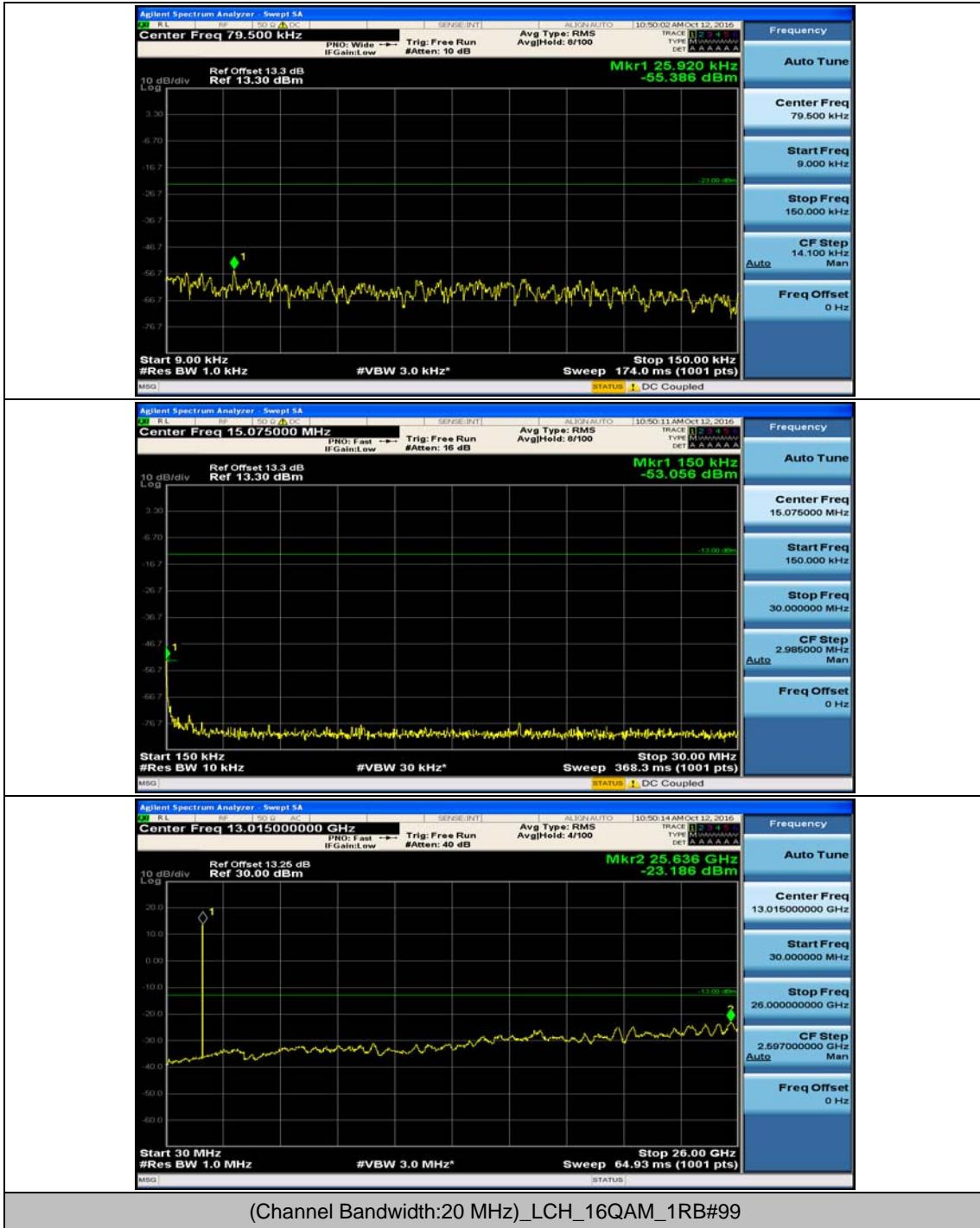


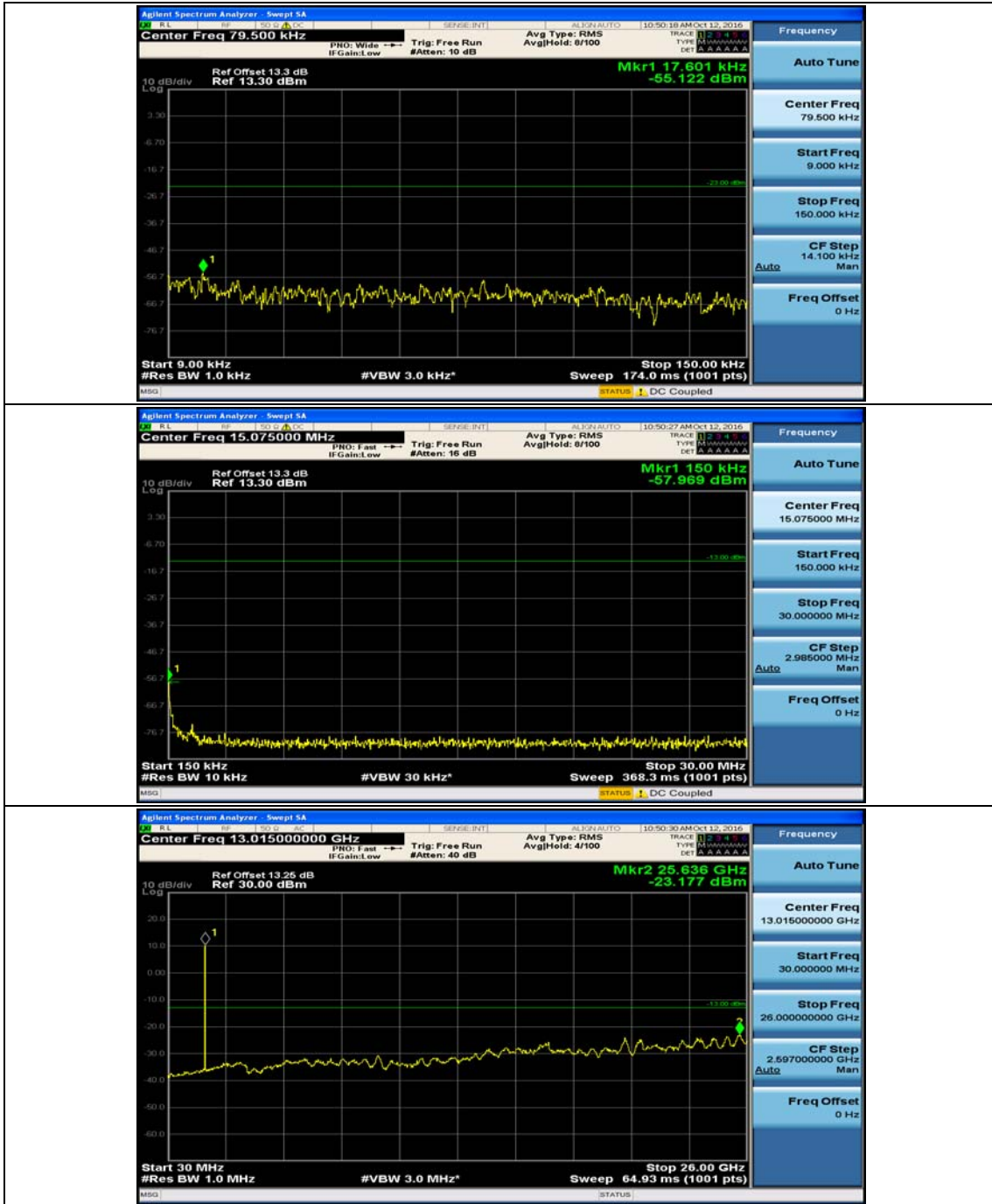




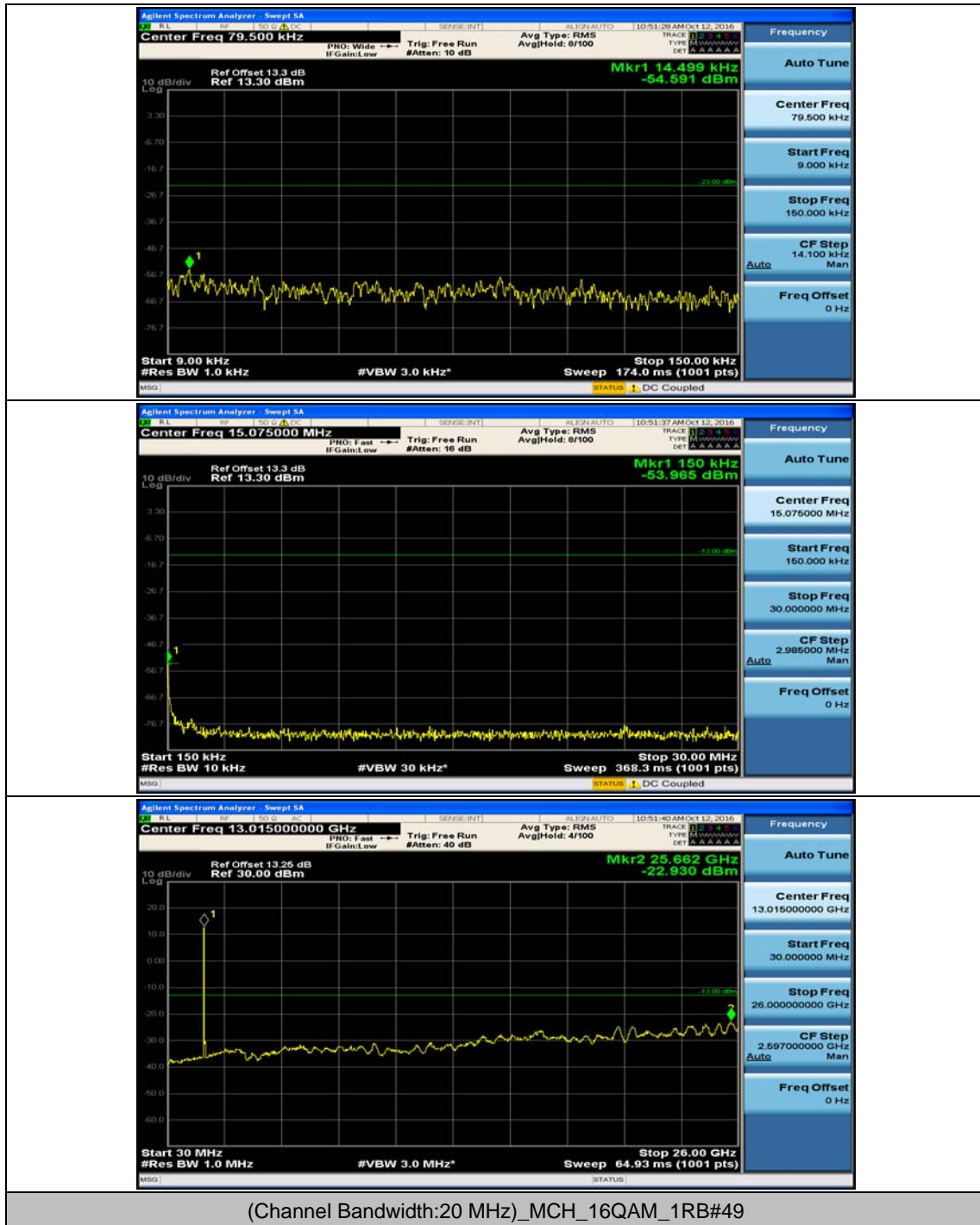
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

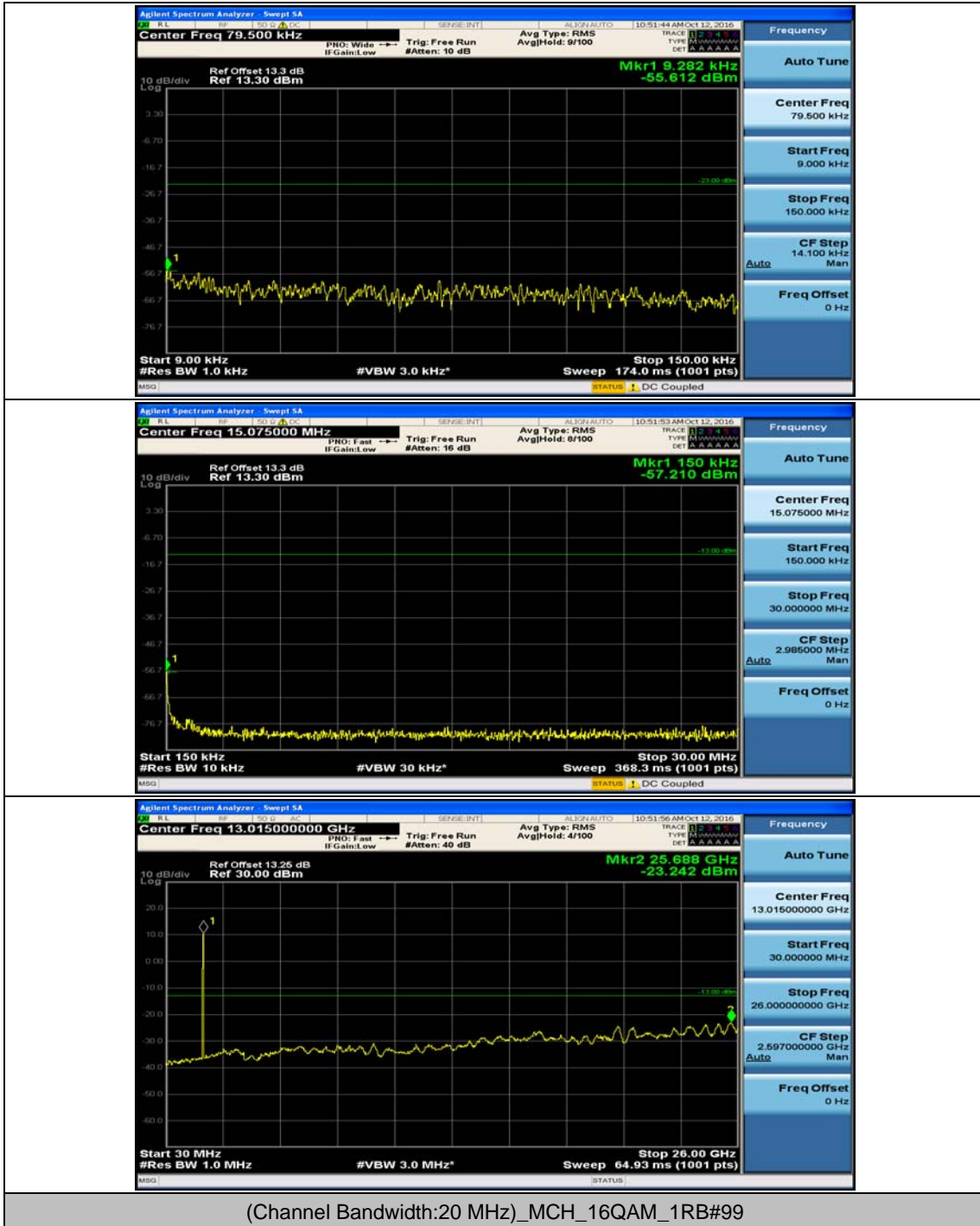


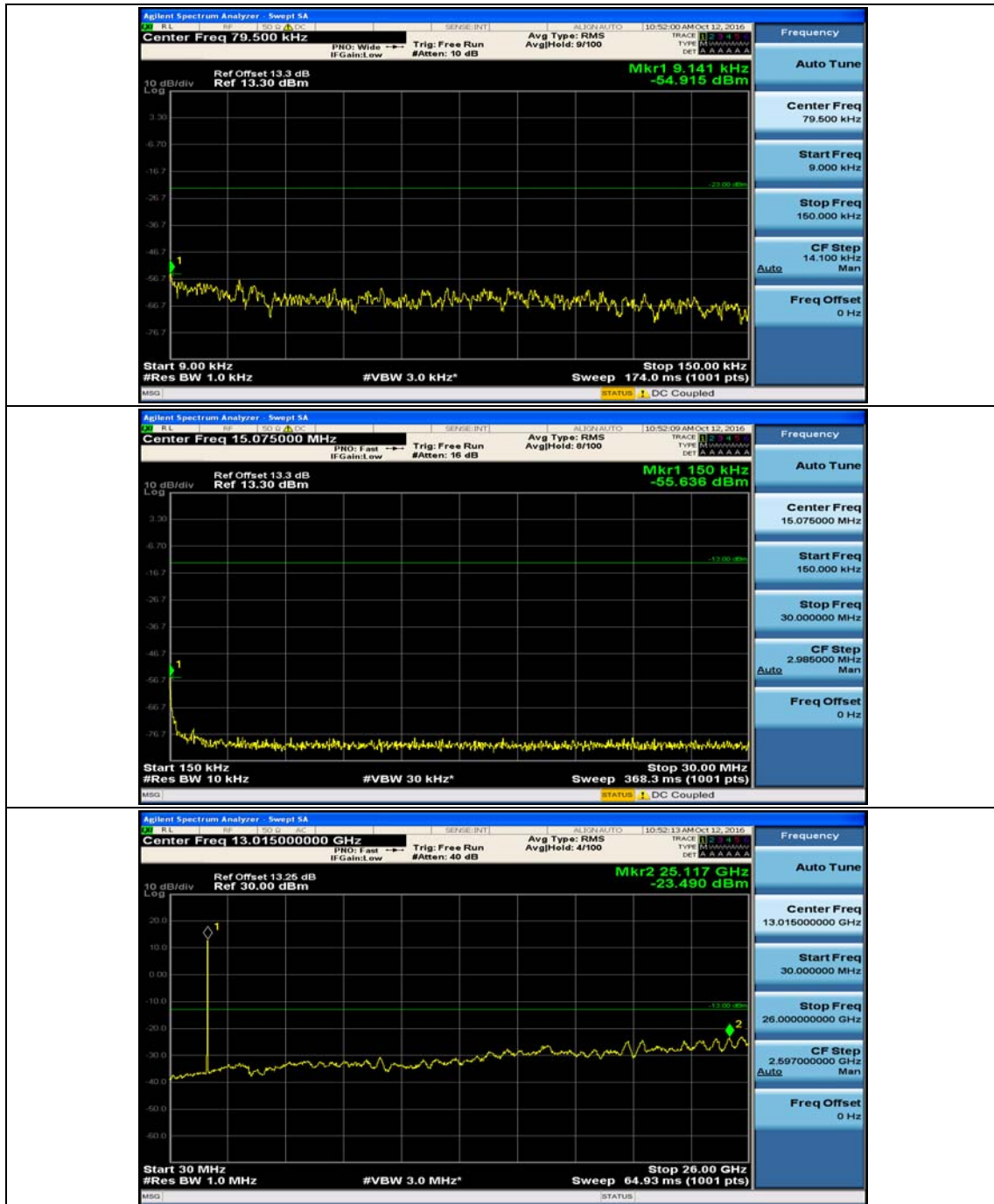




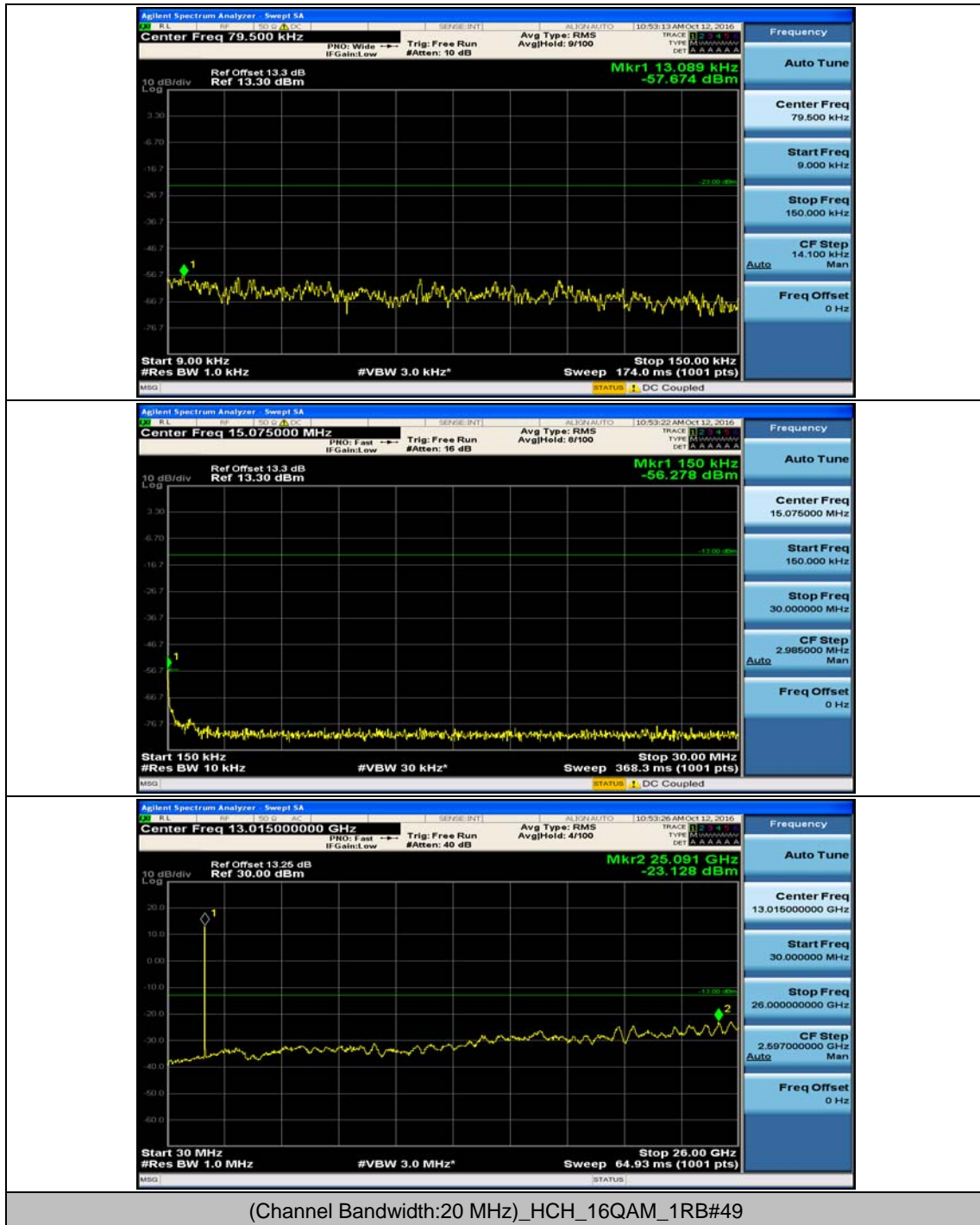
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

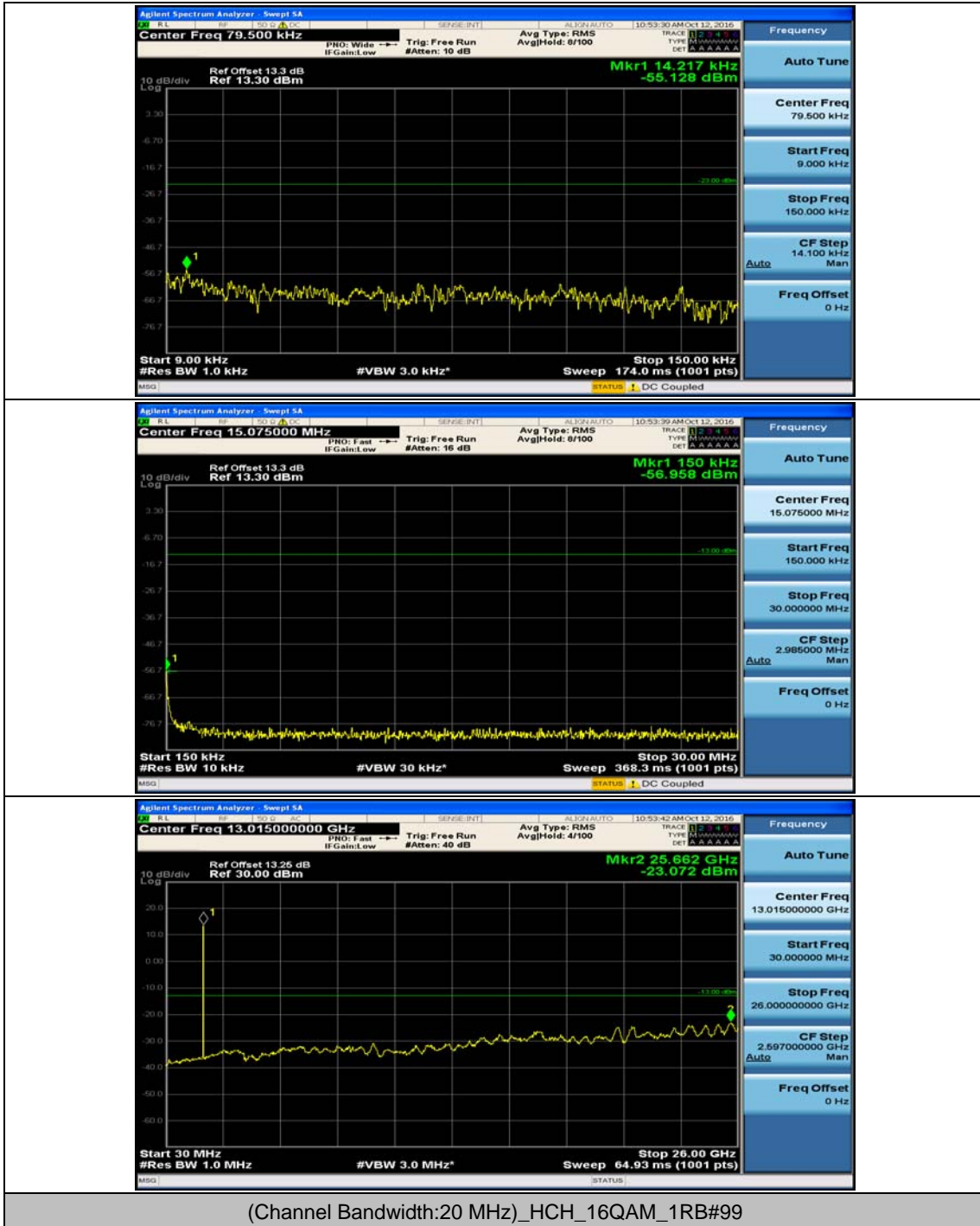


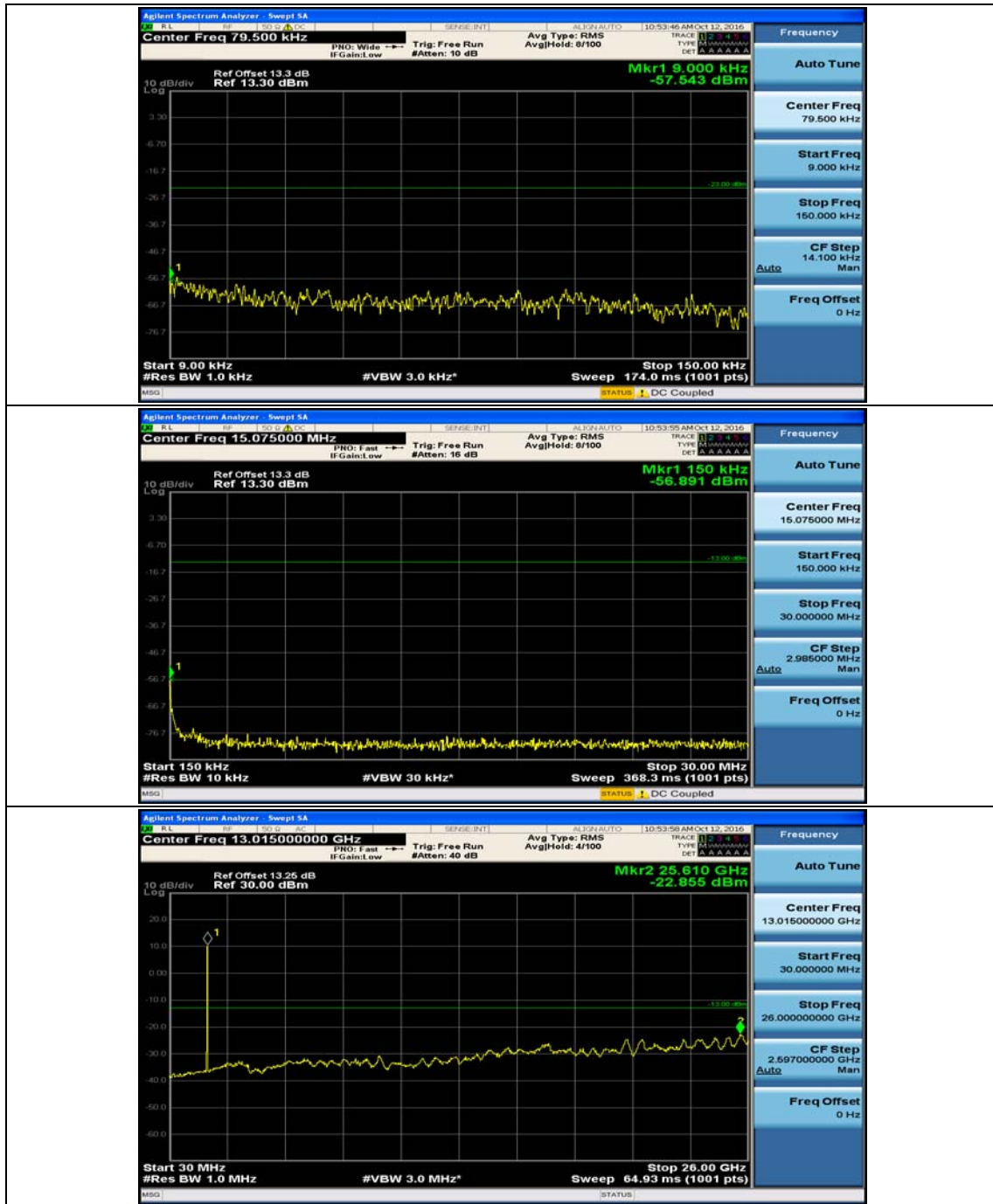




(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0







Note

9KHz~150KHz

$$\text{Limit} = [10\text{Log}(\text{RBW}_{\text{measure}} / \text{RBW}_{10\text{kHz}}) + 43 + 10\text{log}(P)] \text{dB}$$

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	3.73	0.002180	± 2.5	PASS
		VN	TN	0.81	0.000473	± 2.5	PASS
		VH	TN	3.37	0.001970	± 2.5	PASS
	MCH	VL	TN	0.71	0.000410	± 2.5	PASS
		VN	TN	0.52	0.000300	± 2.5	PASS
		VH	TN	0.26	0.000150	± 2.5	PASS
	HCH	VL	TN	2.37	0.001351	± 2.5	PASS
		VN	TN	-1.73	-0.000986	± 2.5	PASS
		VH	TN	2.88	0.001642	± 2.5	PASS
16QAM	LCH	VL	TN	1.7	0.000994	± 2.5	PASS
		VN	TN	4.72	0.002759	± 2.5	PASS
		VH	TN	2.05	0.001198	± 2.5	PASS
	MCH	VL	TN	0.54	0.000312	± 2.5	PASS
		VN	TN	0.22	0.000127	± 2.5	PASS
		VH	TN	-0.56	-0.000323	± 2.5	PASS
	HCH	VL	TN	2.34	0.001334	± 2.5	PASS
		VN	TN	-1.5	-0.000855	± 2.5	PASS
		VH	TN	-0.19	-0.000108	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.25	0.001900	± 2.5	PASS
		VN	-20	1.47	0.000859	± 2.5	PASS
		VN	-10	-1.48	-0.000865	± 2.5	PASS
		VN	0	4.25	0.002484	± 2.5	PASS
		VN	10	-1.74	-0.001017	± 2.5	PASS
		VN	20	3.24	0.001894	± 2.5	PASS
		VN	30	1.03	0.000602	± 2.5	PASS
		VN	40	4.78	0.002794	± 2.5	PASS
		VN	50	-0.44	-0.000257	± 2.5	PASS
	MCH	VN	-30	-1.28	-0.000739	± 2.5	PASS

		VN	-20	1.89	0.001091	± 2.5	PASS
		VN	-10	-1.63	-0.000941	± 2.5	PASS
		VN	0	-1.01	-0.000583	± 2.5	PASS
		VN	10	-0.74	-0.000427	± 2.5	PASS
		VN	20	3.37	0.001945	± 2.5	PASS
		VN	30	4.52	0.002609	± 2.5	PASS
		VN	40	4.44	0.002563	± 2.5	PASS
		VN	50	0.24	0.000139	± 2.5	PASS
	HCH	VN	-30	3.09	0.001761	± 2.5	PASS
		VN	-20	-1.03	-0.000587	± 2.5	PASS
		VN	-10	3.31	0.001887	± 2.5	PASS
		VN	0	2.2	0.001254	± 2.5	PASS
		VN	10	-0.2	-0.000114	± 2.5	PASS
		VN	20	-0.74	-0.000422	± 2.5	PASS
		VN	30	2.21	0.001260	± 2.5	PASS
		VN	40	-1.62	-0.000923	± 2.5	PASS
		VN	50	3.16	0.001801	± 2.5	PASS
		16QAM	LCH	VN	-30	0.42	0.000246
VN	-20			0.71	0.000415	± 2.5	PASS
VN	-10			-0.64	-0.000374	± 2.5	PASS
VN	0			2.79	0.001631	± 2.5	PASS
VN	10			3.51	0.002052	± 2.5	PASS
VN	20			2.14	0.001251	± 2.5	PASS
VN	30			-0.27	-0.000158	± 2.5	PASS
VN	40			4.75	0.002777	± 2.5	PASS
VN	50			2.49	0.001456	± 2.5	PASS
MCH	VN		-30	-1.12	-0.000638	± 2.5	PASS
	VN		-20	4.26	0.002428	± 2.5	PASS
	VN		-10	2.31	0.001317	± 2.5	PASS
	VN		0	-1.48	-0.000844	± 2.5	PASS
	VN		10	2.58	0.001471	± 2.5	PASS
	VN		20	-0.1	-0.000057	± 2.5	PASS
	VN		30	-0.14	-0.000080	± 2.5	PASS
	VN		40	1.19	0.000678	± 2.5	PASS
	VN		50	-0.83	-0.000473	± 2.5	PASS
HCH	VN		-30	3.12	0.001778	± 2.5	PASS
	VN		-20	0.74	0.000422	± 2.5	PASS
	VN		-10	-1.15	-0.000656	± 2.5	PASS
	VN		0	3.24	0.001847	± 2.5	PASS
	VN		10	4.57	0.002605	± 2.5	PASS
	VN		20	4.26	0.002428	± 2.5	PASS

		VN	30	4.06	0.002314	± 2.5	PASS
		VN	40	3.94	0.002246	± 2.5	PASS
		VN	50	0.78	0.000445	± 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	-0.01	-0.000006	± 2.5	PASS
		VN	TN	3.51	0.002051	± 2.5	PASS
		VH	TN	-0.14	-0.000082	± 2.5	PASS
	MCH	VL	TN	1.76	0.001016	± 2.5	PASS
		VN	TN	2.85	0.001645	± 2.5	PASS
		VH	TN	2.81	0.001622	± 2.5	PASS
	HCH	VL	TN	1.27	0.000724	± 2.5	PASS
		VN	TN	-0.1	-0.000057	± 2.5	PASS
		VH	TN	-1	-0.000570	± 2.5	PASS
16QAM	LCH	VL	TN	4.77	0.002787	± 2.5	PASS
		VN	TN	2.44	0.001426	± 2.5	PASS
		VH	TN	4.12	0.002407	± 2.5	PASS
	MCH	VL	TN	0.72	0.000416	± 2.5	PASS
		VN	TN	-0.83	-0.000479	± 2.5	PASS
		VH	TN	3.79	0.002188	± 2.5	PASS
	HCH	VL	TN	3.75	0.002139	± 2.5	PASS
		VN	TN	-0.23	-0.000131	± 2.5	PASS
		VH	TN	1.97	0.001123	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.99	-0.000578	± 2.5	PASS
		VN	-20	4.11	0.002401	± 2.5	PASS
		VN	-10	3.39	0.001981	± 2.5	PASS
		VN	0	2.97	0.001735	± 2.5	PASS
		VN	10	0.25	0.000146	± 2.5	PASS
		VN	20	0.75	0.000438	± 2.5	PASS
		VN	30	1.86	0.001087	± 2.5	PASS
		VN	40	0.73	0.000427	± 2.5	PASS
		VN	50	2.16	0.001262	± 2.5	PASS
	MCH	VN	-30	3.17	0.001830	± 2.5	PASS
		VN	-20	-0.1	-0.000058	± 2.5	PASS

		VN	-10	-0.84	-0.000485	± 2.5	PASS	
		VN	0	1.69	0.000975	± 2.5	PASS	
		VN	10	-0.22	-0.000127	± 2.5	PASS	
		VN	20	-1.39	-0.000802	± 2.5	PASS	
		VN	30	-1.9	-0.001097	± 2.5	PASS	
		VN	40	0.34	0.000196	± 2.5	PASS	
		VN	50	4.87	0.002811	± 2.5	PASS	
	HCH	VN	-30	4.29	0.002447	± 2.5	PASS	
		VN	-20	1.46	0.000833	± 2.5	PASS	
		VN	-10	0.18	0.000103	± 2.5	PASS	
		VN	0	-0.61	-0.000348	± 2.5	PASS	
		VN	10	2.92	0.001665	± 2.5	PASS	
		VN	20	4.06	0.002315	± 2.5	PASS	
		VN	30	0.01	0.000006	± 2.5	PASS	
	16QAM	LCH	VN	40	0.36	0.000205	± 2.5	PASS
			VN	50	2.07	0.001180	± 2.5	PASS
			VN	-30	3.43	0.001980	± 2.5	PASS
			VN	-20	1.54	0.000889	± 2.5	PASS
VN			-10	4.85	0.002799	± 2.5	PASS	
VN			0	1.72	0.000993	± 2.5	PASS	
VN			10	0.06	0.000035	± 2.5	PASS	
VN			20	-1.73	-0.000999	± 2.5	PASS	
VN			30	4.48	0.002586	± 2.5	PASS	
MCH		VN	40	-0.14	-0.000081	± 2.5	PASS	
		VN	50	1.35	0.000779	± 2.5	PASS	
		VN	-30	-0.72	-0.000411	± 2.5	PASS	
		VN	-20	3.79	0.002161	± 2.5	PASS	
		VN	-10	3.06	0.001745	± 2.5	PASS	
		VN	0	3.51	0.002002	± 2.5	PASS	
		VN	10	1.96	0.001118	± 2.5	PASS	
		VN	20	4.3	0.002452	± 2.5	PASS	
		VN	30	1.44	0.000821	± 2.5	PASS	
HCH	VN	40	3.87	0.002207	± 2.5	PASS		
	VN	50	2.45	0.001397	± 2.5	PASS		
	VN	-30	-1.17	-0.000667	± 2.5	PASS		
	VN	-20	0.5	0.000285	± 2.5	PASS		
	VN	-10	2.52	0.001437	± 2.5	PASS		
	VN	0	3.97	0.002264	± 2.5	PASS		
	VN	10	4.13	0.002355	± 2.5	PASS		
		VN	20	1.91	0.001089	± 2.5	PASS	
		VN	30	4.97	0.002834	± 2.5	PASS	

		VN	40	4.85	0.002766	± 2.5	PASS
		VN	50	4.03	0.002298	± 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	4.88	0.002850	± 2.5	PASS
		VN	TN	0.88	0.000514	± 2.5	PASS
		VH	TN	-0.2	-0.000117	± 2.5	PASS
	MCH	VL	TN	-0.54	-0.000312	± 2.5	PASS
		VN	TN	1.86	0.001074	± 2.5	PASS
		VH	TN	3.23	0.001864	± 2.5	PASS
	HCH	VL	TN	3.68	0.002100	± 2.5	PASS
		VN	TN	4.29	0.002448	± 2.5	PASS
		VH	TN	1.06	0.000605	± 2.5	PASS
16QAM	LCH	VL	TN	1.41	0.000823	± 2.5	PASS
		VN	TN	-0.55	-0.000321	± 2.5	PASS
		VH	TN	1.6	0.000934	± 2.5	PASS
	MCH	VL	TN	-0.16	-0.000092	± 2.5	PASS
		VN	TN	4.37	0.002522	± 2.5	PASS
		VH	TN	4.51	0.002603	± 2.5	PASS
	HCH	VL	TN	-0.29	-0.000165	± 2.5	PASS
		VN	TN	1.94	0.001107	± 2.5	PASS
		VH	TN	3.6	0.002054	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.22	0.001880	± 2.5	PASS
		VN	-20	1.66	0.000969	± 2.5	PASS
		VN	-10	1.33	0.000777	± 2.5	PASS
		VN	0	-1.05	-0.000613	± 2.5	PASS
		VN	10	4.71	0.002750	± 2.5	PASS
		VN	20	-1.31	-0.000765	± 2.5	PASS
		VN	30	-0.87	-0.000508	± 2.5	PASS
		VN	40	-1.19	-0.000695	± 2.5	PASS
		VN	50	-0.91	-0.000531	± 2.5	PASS
	MCH	VN	-30	0.86	0.000496	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	0.79	0.000456	± 2.5	PASS

	VN	0	0.1	0.000058	± 2.5	PASS			
		10	2.83	0.001633	± 2.5	PASS			
		20	1.1	0.000635	± 2.5	PASS			
		30	-0.73	-0.000421	± 2.5	PASS			
		40	3.18	0.001835	± 2.5	PASS			
		50	-0.33	-0.000190	± 2.5	PASS			
	HCH	VN	-30	2.67	0.001524	± 2.5	PASS		
		VN	-20	-1.35	-0.000708	± 2.5	PASS		
		VN	-10	1.03	0.000540	± 2.5	PASS		
		VN	0	4.62	0.002422	± 2.5	PASS		
		VN	10	-1.1	-0.000577	± 2.5	PASS		
		VN	20	4.51	0.002364	± 2.5	PASS		
		VN	30	-1.46	-0.000765	± 2.5	PASS		
		VN	40	4.51	0.002364	± 2.5	PASS		
		VN	50	1.46	0.000765	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.7	0.000404	± 2.5	PASS
				VN	-20	4.34	0.002505	± 2.5	PASS
				VN	-10	3.71	0.002141	± 2.5	PASS
VN	0			4.11	0.002372	± 2.5	PASS		
VN	10			3.14	0.001812	± 2.5	PASS		
VN	20			4.72	0.002724	± 2.5	PASS		
VN	30			2.36	0.001362	± 2.5	PASS		
VN	40			1.12	0.000646	± 2.5	PASS		
VN	50			0.32	0.000185	± 2.5	PASS		
MCH	VN		-30	-1.31	-0.000748	± 2.5	PASS		
	VN		-20	4.06	0.002317	± 2.5	PASS		
	VN		-10	3.67	0.002094	± 2.5	PASS		
	VN		0	-0.15	-0.000086	± 2.5	PASS		
	VN		10	0.5	0.000285	± 2.5	PASS		
	VN		20	2.07	0.001181	± 2.5	PASS		
	VN		30	-1.78	-0.001016	± 2.5	PASS		
	VN		40	3.8	0.002168	± 2.5	PASS		
	VN		50	4.37	0.002494	± 2.5	PASS		
HCH	VN		-30	4.67	0.002448	± 2.5	PASS		
	VN		-20	-1.38	-0.000723	± 2.5	PASS		
	VN		-10	1.16	0.000608	± 2.5	PASS		
	VN		0	0.96	0.000503	± 2.5	PASS		
	VN		10	-1.02	-0.000535	± 2.5	PASS		
	VN		20	4.51	0.002364	± 2.5	PASS		
	VN		30	2.03	0.001064	± 2.5	PASS		
	VN		40	-1.06	-0.000556	± 2.5	PASS		

		VN	50	-0.29	-0.000152	± 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	1.73	0.001009	± 2.5	PASS
		VN	TN	0.22	0.000128	± 2.5	PASS
		VH	TN	-0.72	-0.000420	± 2.5	PASS
	MCH	VL	TN	4.54	0.002620	± 2.5	PASS
		VN	TN	4.39	0.002534	± 2.5	PASS
		VH	TN	-1.76	-0.001016	± 2.5	PASS
	HCH	VL	TN	0.52	0.000297	± 2.5	PASS
		VN	TN	3.65	0.002086	± 2.5	PASS
		VH	TN	0.33	0.000189	± 2.5	PASS
16QAM	LCH	VL	TN	1.5	0.000875	± 2.5	PASS
		VN	TN	4.09	0.002385	± 2.5	PASS
		VH	TN	1.53	0.000892	± 2.5	PASS
	MCH	VL	TN	-1.12	-0.000646	± 2.5	PASS
		VN	TN	4.27	0.002465	± 2.5	PASS
		VH	TN	0.82	0.000473	± 2.5	PASS
	HCH	VL	TN	1.78	0.001017	± 2.5	PASS
		VN	TN	1.5	0.000857	± 2.5	PASS
		VH	TN	-1.88	-0.001074	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.13	-0.000659	± 2.5	PASS
		VN	-20	-0.8	-0.000466	± 2.5	PASS
		VN	-10	-0.83	-0.000484	± 2.5	PASS
		VN	0	2.83	0.001650	± 2.5	PASS
		VN	10	4.57	0.002665	± 2.5	PASS
		VN	20	0.48	0.000280	± 2.5	PASS
		VN	30	3.51	0.002047	± 2.5	PASS
		VN	40	-0.57	-0.000332	± 2.5	PASS
		VN	50	2.02	0.001178	± 2.5	PASS
	MCH	VN	-30	1.98	0.001143	± 2.5	PASS
		VN	-20	-1.47	-0.000848	± 2.5	PASS
		VN	-10	-0.4	-0.000231	± 2.5	PASS
		VN	0	-1.46	-0.000843	± 2.5	PASS

		VN	10	-0.99	-0.000571	± 2.5	PASS
		VN	20	2.73	0.001576	± 2.5	PASS
		VN	30	2.1	0.001212	± 2.5	PASS
		VN	40	3.23	0.001864	± 2.5	PASS
		VN	50	4.33	0.002499	± 2.5	PASS
	HCH	VN	-30	1.61	0.000920	± 2.5	PASS
		VN	-20	-0.96	-0.000549	± 2.5	PASS
		VN	-10	-1.91	-0.001091	± 2.5	PASS
		VN	0	4.51	0.002577	± 2.5	PASS
		VN	10	4.43	0.002531	± 2.5	PASS
		VN	20	-1.8	-0.001029	± 2.5	PASS
		VN	30	3.43	0.001960	± 2.5	PASS
		VN	40	2.48	0.001417	± 2.5	PASS
		VN	50	2.28	0.001303	± 2.5	PASS
		16QAM	LCH	VN	-30	1.68	0.000970
VN	-20			3.15	0.001818	± 2.5	PASS
VN	-10			-1.04	-0.000600	± 2.5	PASS
VN	0			2.53	0.001460	± 2.5	PASS
VN	10			3.18	0.001835	± 2.5	PASS
VN	20			4.19	0.002418	± 2.5	PASS
VN	30			-1.73	-0.000999	± 2.5	PASS
VN	40			0.96	0.000554	± 2.5	PASS
VN	50			0.7	0.000404	± 2.5	PASS
MCH	VN		-30	4.99	0.002851	± 2.5	PASS
	VN		-20	-1.13	-0.000646	± 2.5	PASS
	VN		-10	-1.99	-0.001137	± 2.5	PASS
	VN		0	3.55	0.002029	± 2.5	PASS
	VN		10	0.72	0.000411	± 2.5	PASS
	VN		20	4.42	0.002526	± 2.5	PASS
	VN		30	3.18	0.001817	± 2.5	PASS
	VN		40	1	0.000571	± 2.5	PASS
	VN		50	-0.55	-0.000314	± 2.5	PASS
HCH	VN		-30	-0.82	-0.000469	± 2.5	PASS
	VN		-20	0.34	0.000194	± 2.5	PASS
	VN		-10	-0.21	-0.000120	± 2.5	PASS
	VN		0	0.76	0.000434	± 2.5	PASS
	VN		10	2.22	0.001269	± 2.5	PASS
	VN		20	-1.3	-0.000743	± 2.5	PASS
	VN		30	3.71	0.002120	± 2.5	PASS
	VN		40	2.07	0.001183	± 2.5	PASS
	VN		50	1.79	0.001023	± 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	4.18	0.002434	± 2.5	PASS
		VN	TN	4.05	0.002358	± 2.5	PASS
		VH	TN	-1.61	-0.000937	± 2.5	PASS
	MCH	VL	TN	0.91	0.000525	± 2.5	PASS
		VN	TN	0.89	0.000514	± 2.5	PASS
		VH	TN	2.14	0.001235	± 2.5	PASS
	HCH	VL	TN	3.28	0.001877	± 2.5	PASS
		VN	TN	1.93	0.001104	± 2.5	PASS
		VH	TN	4.08	0.002335	± 2.5	PASS
16QAM	LCH	VL	TN	2.58	0.001502	± 2.5	PASS
		VN	TN	3.95	0.002300	± 2.5	PASS
		VH	TN	-0.17	-0.000099	± 2.5	PASS
	MCH	VL	TN	4.95	0.002857	± 2.5	PASS
		VN	TN	-0.17	-0.000098	± 2.5	PASS
		VH	TN	3.19	0.001841	± 2.5	PASS
	HCH	VL	TN	-0.69	-0.000395	± 2.5	PASS
		VN	TN	0.06	0.000034	± 2.5	PASS
		VH	TN	-0.25	-0.000143	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.69	-0.000402	± 2.5	PASS
		VN	-20	4.74	0.002760	± 2.5	PASS
		VN	-10	-0.19	-0.000111	± 2.5	PASS
		VN	0	2	0.001164	± 2.5	PASS
		VN	10	2.59	0.001508	± 2.5	PASS
		VN	20	-0.54	-0.000314	± 2.5	PASS
		VN	30	-0.05	-0.000029	± 2.5	PASS
		VN	40	-0.56	-0.000326	± 2.5	PASS
		VN	50	3.03	0.001764	± 2.5	PASS
	MCH	VN	-30	-1.44	-0.000831	± 2.5	PASS
		VN	-20	0.72	0.000416	± 2.5	PASS
		VN	-10	1.59	0.000918	± 2.5	PASS
		VN	0	3.66	0.002113	± 2.5	PASS
		VN	10	2.82	0.001628	± 2.5	PASS
		VN	20	4.25	0.002453	± 2.5	PASS

		VN	30	0.85	0.000491	± 2.5	PASS
		VN	40	-0.1	-0.000058	± 2.5	PASS
		VN	50	3.45	0.001991	± 2.5	PASS
	HCH	VN	-30	0.04	0.000023	± 2.5	PASS
		VN	-20	1.28	0.000732	± 2.5	PASS
		VN	-10	1.81	0.001036	± 2.5	PASS
		VN	0	0.71	0.000406	± 2.5	PASS
		VN	10	4.2	0.002403	± 2.5	PASS
		VN	20	3.13	0.001791	± 2.5	PASS
		VN	30	0.81	0.000464	± 2.5	PASS
		VN	40	0.69	0.000395	± 2.5	PASS
		VN	50	1.03	0.000589	± 2.5	PASS
16QAM	LCH	VN	-30	1.27	0.000733	± 2.5	PASS
		VN	-20	4.66	0.002690	± 2.5	PASS
		VN	-10	3.17	0.001830	± 2.5	PASS
		VN	0	3.59	0.002072	± 2.5	PASS
		VN	10	3.67	0.002118	± 2.5	PASS
		VN	20	-0.98	-0.000566	± 2.5	PASS
		VN	30	1.75	0.001010	± 2.5	PASS
		VN	40	-1.31	-0.000756	± 2.5	PASS
		VN	50	-0.7	-0.000404	± 2.5	PASS
	MCH	VN	-30	4.23	0.002421	± 2.5	PASS
		VN	-20	4.6	0.002632	± 2.5	PASS
		VN	-10	4.53	0.002592	± 2.5	PASS
		VN	0	1.42	0.000813	± 2.5	PASS
		VN	10	-0.56	-0.000320	± 2.5	PASS
		VN	20	1.77	0.001013	± 2.5	PASS
		VN	30	-0.32	-0.000183	± 2.5	PASS
		VN	40	4.02	0.002300	± 2.5	PASS
		VN	50	0.65	0.000372	± 2.5	PASS
	HCH	VN	-30	4.28	0.002449	± 2.5	PASS
		VN	-20	2.09	0.001196	± 2.5	PASS
		VN	-10	-0.12	-0.000069	± 2.5	PASS
		VN	0	-1.3	-0.000744	± 2.5	PASS
		VN	10	-0.14	-0.000080	± 2.5	PASS
		VN	20	-0.99	-0.000567	± 2.5	PASS
		VN	30	0.48	0.000275	± 2.5	PASS
		VN	40	3.94	0.002255	± 2.5	PASS
		VN	50	1.16	0.000664	± 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	2.43	0.001413	± 2.5	PASS
		VN	TN	1.24	0.000721	± 2.5	PASS
		VH	TN	2.28	0.001326	± 2.5	PASS
	MCH	VL	TN	1.1	0.000635	± 2.5	PASS
		VN	TN	-1.96	-0.001131	± 2.5	PASS
		VH	TN	2.53	0.001460	± 2.5	PASS
	HCH	VL	TN	0.4	0.000229	± 2.5	PASS
		VN	TN	-1.31	-0.000751	± 2.5	PASS
		VH	TN	2.32	0.001330	± 2.5	PASS
16QAM	LCH	VL	TN	-1.96	-0.001140	± 2.5	PASS
		VN	TN	4.89	0.002843	± 2.5	PASS
		VH	TN	4.55	0.002645	± 2.5	PASS
	MCH	VL	TN	1.26	0.000727	± 2.5	PASS
		VN	TN	4.41	0.002545	± 2.5	PASS
		VH	TN	4.17	0.002407	± 2.5	PASS
	HCH	VL	TN	-1.84	-0.001054	± 2.5	PASS
		VN	TN	1.22	0.000699	± 2.5	PASS
		VH	TN	3.88	0.002223	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.35	0.001366	± 2.5	PASS
		VN	-20	4.8	0.002791	± 2.5	PASS
		VN	-10	3.83	0.002227	± 2.5	PASS
		VN	0	2.19	0.001273	± 2.5	PASS
		VN	10	-1.08	-0.000628	± 2.5	PASS
		VN	20	4.24	0.002465	± 2.5	PASS
		VN	30	1.72	0.001000	± 2.5	PASS
		VN	40	-1.25	-0.000727	± 2.5	PASS
	MCH	VN	50	1.08	0.000628	± 2.5	PASS
		VN	-30	4.91	0.002834	± 2.5	PASS
		VN	-20	1.94	0.001120	± 2.5	PASS
		VN	-10	3.73	0.002153	± 2.5	PASS
		VN	0	4.66	0.002690	± 2.5	PASS
		VN	10	1.87	0.001079	± 2.5	PASS
VN	20	0.6	0.000346	± 2.5	PASS		

		VN	30	-1.72	-0.000993	± 2.5	PASS
		VN	40	-1.63	-0.000941	± 2.5	PASS
		VN	50	-1.99	-0.001149	± 2.5	PASS
	HCH	VN	-30	2.88	0.001650	± 2.5	PASS
		VN	-20	3.7	0.002120	± 2.5	PASS
		VN	-10	2.76	0.001582	± 2.5	PASS
		VN	0	4.97	0.002848	± 2.5	PASS
		VN	10	3.57	0.002046	± 2.5	PASS
		VN	20	0.12	0.000069	± 2.5	PASS
		VN	30	2.26	0.001295	± 2.5	PASS
		VN	40	0.02	0.000011	± 2.5	PASS
		VN	50	-0.18	-0.000103	± 2.5	PASS
16QAM	LCH	VN	-30	2.14	0.001235	± 2.5	PASS
		VN	-20	2.63	0.001518	± 2.5	PASS
		VN	-10	2.13	0.001229	± 2.5	PASS
		VN	0	4.8	0.002771	± 2.5	PASS
		VN	10	-0.7	-0.000404	± 2.5	PASS
		VN	20	3.44	0.001986	± 2.5	PASS
		VN	30	0.33	0.000190	± 2.5	PASS
		VN	40	2.66	0.001535	± 2.5	PASS
		VN	50	4.07	0.002349	± 2.5	PASS
	MCH	VN	-30	3.24	0.001857	± 2.5	PASS
		VN	-20	0.5	0.000287	± 2.5	PASS
		VN	-10	0.42	0.000241	± 2.5	PASS
		VN	0	1.97	0.001129	± 2.5	PASS
		VN	10	4.01	0.002298	± 2.5	PASS
		VN	20	3.03	0.001736	± 2.5	PASS
		VN	30	-0.23	-0.000132	± 2.5	PASS
		VN	40	0.39	0.000223	± 2.5	PASS
		VN	50	1.65	0.000946	± 2.5	PASS
	HCH	VN	-30	3.1	0.001777	± 2.5	PASS
		VN	-20	1.99	0.001140	± 2.5	PASS
		VN	-10	3.85	0.002206	± 2.5	PASS
		VN	0	4.48	0.002567	± 2.5	PASS
		VN	10	-0.46	-0.000264	± 2.5	PASS
		VN	20	0.85	0.000487	± 2.5	PASS
		VN	30	-0.75	-0.000430	± 2.5	PASS
		VN	40	-0.24	-0.000138	± 2.5	PASS
		VN	50	3.43	0.001966	± 2.5	PASS