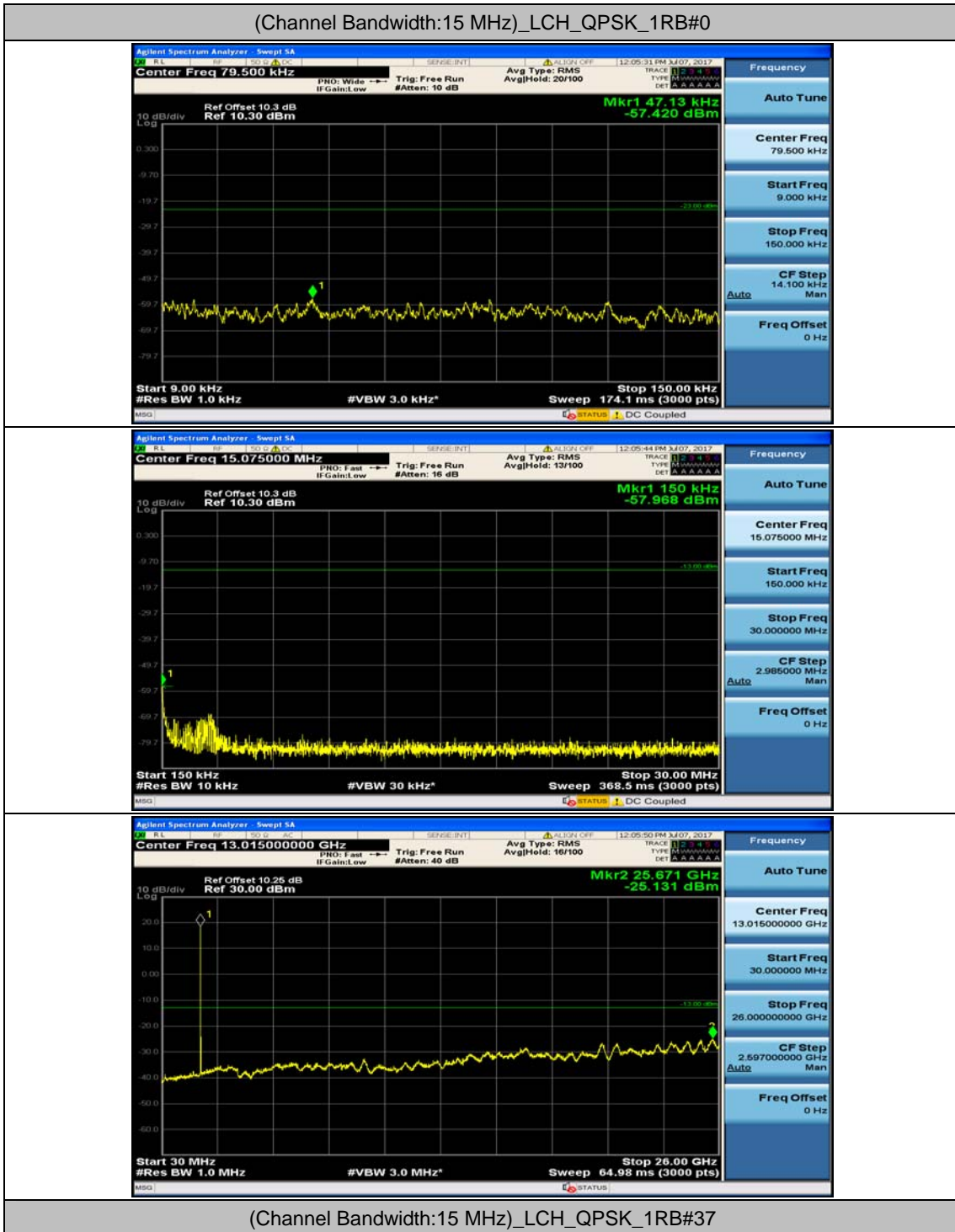
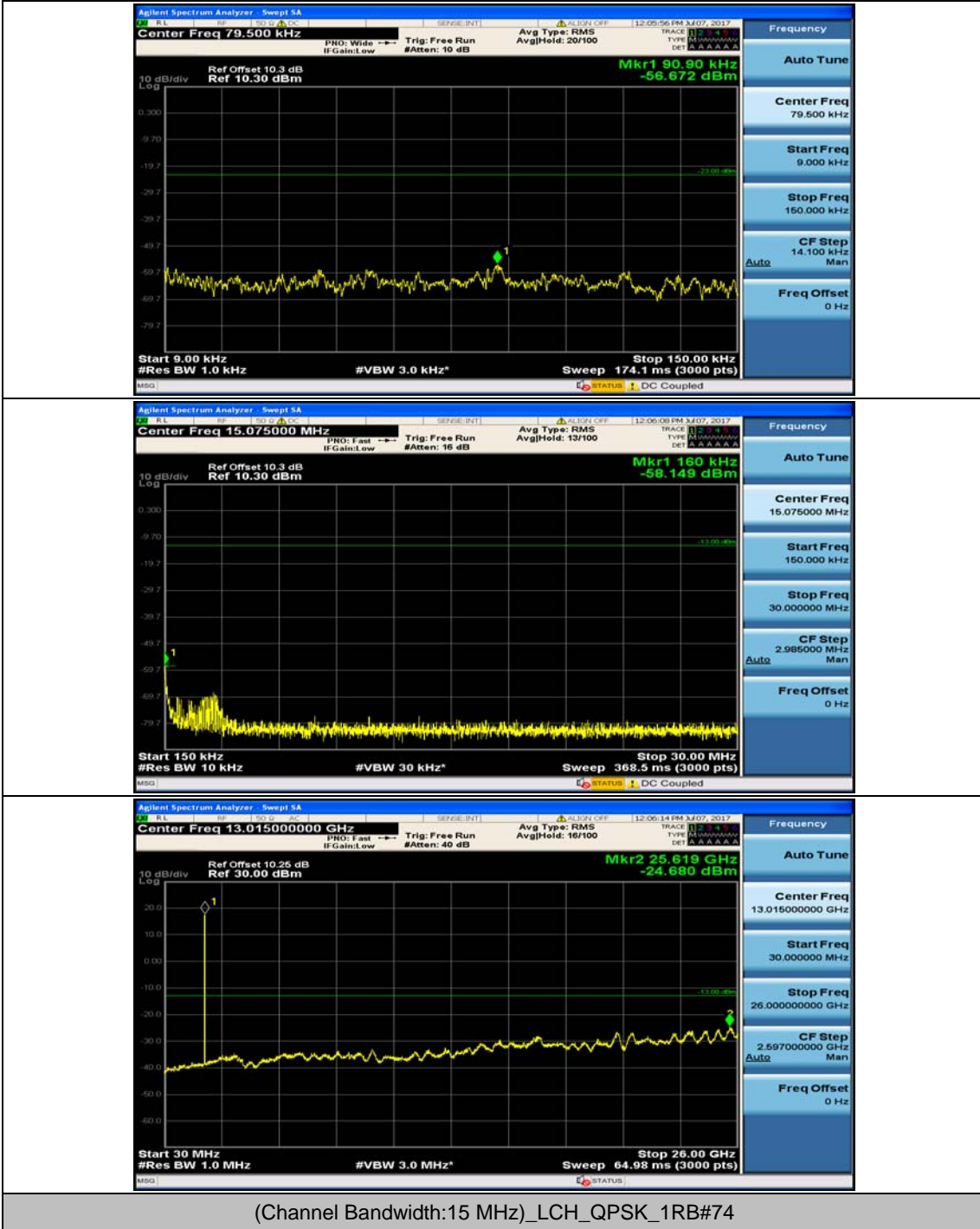
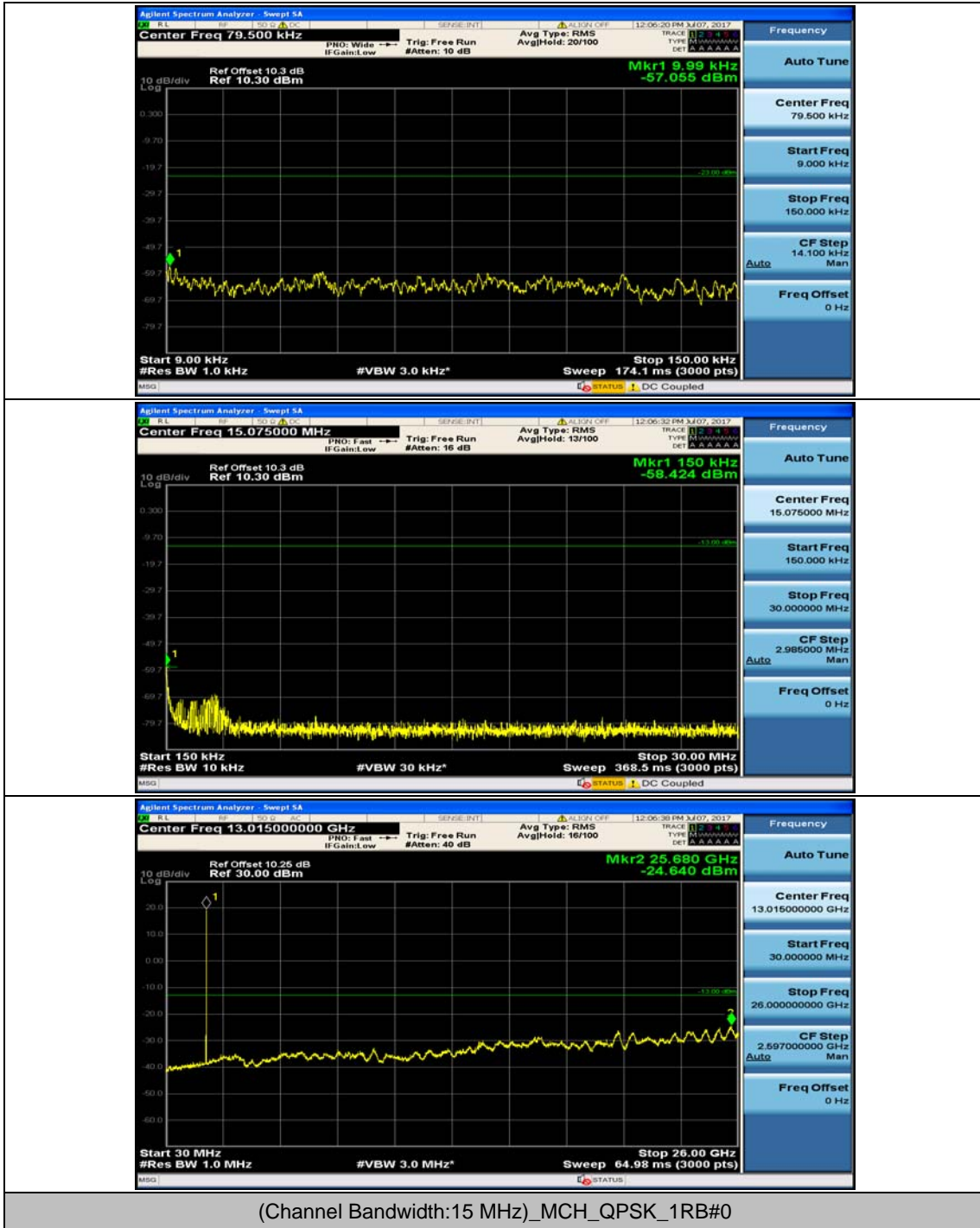
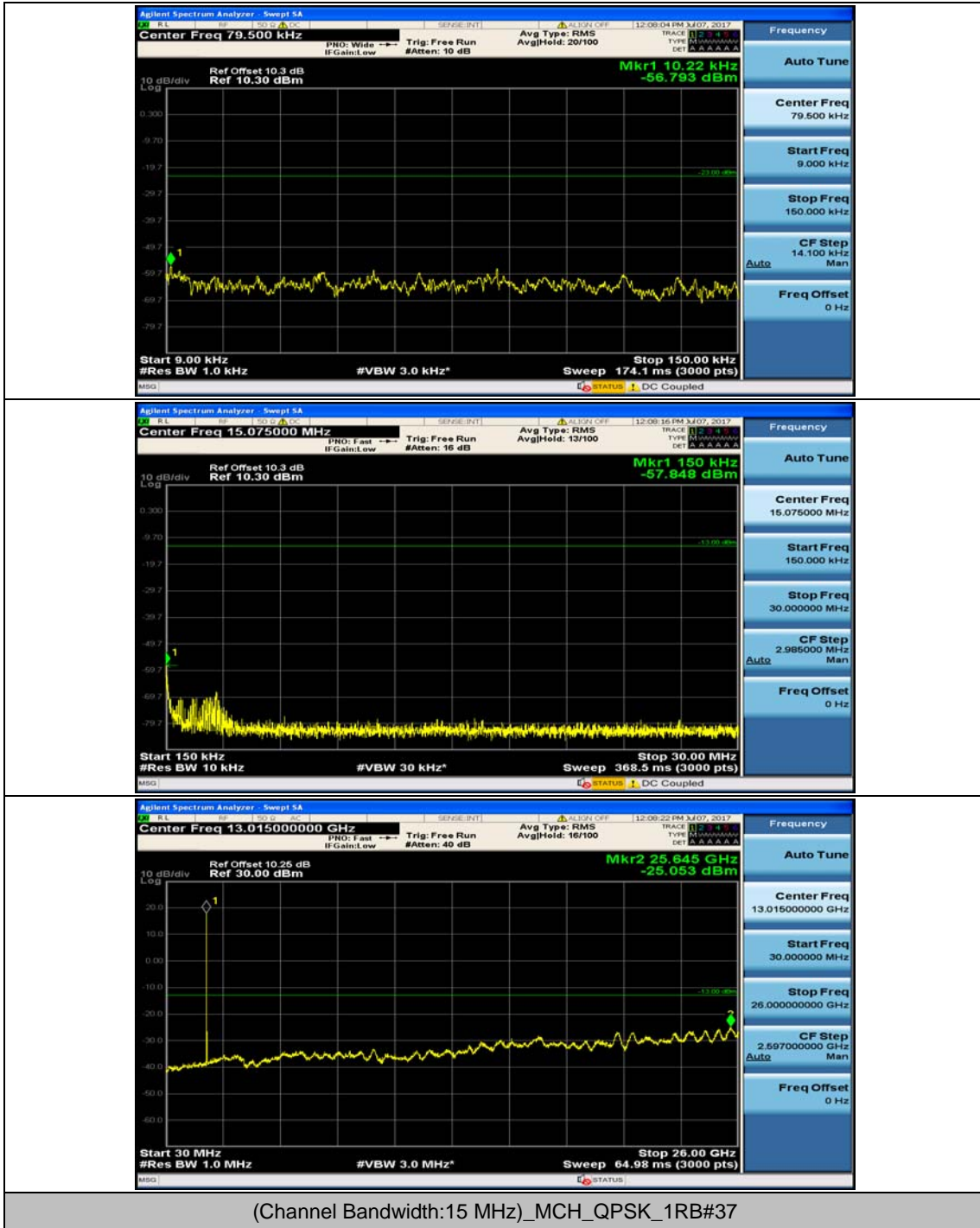


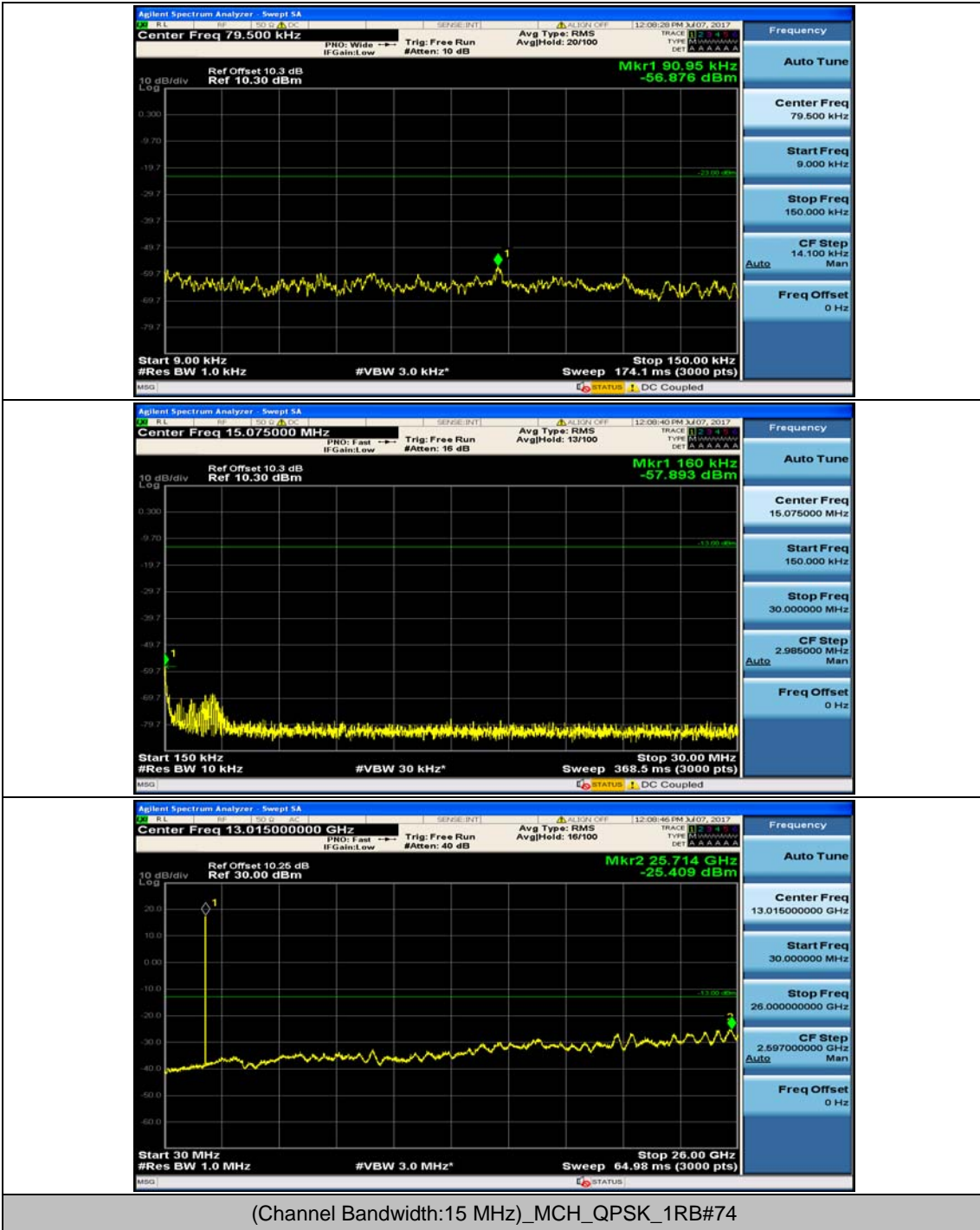
Channel Bandwidth: 15 MHz

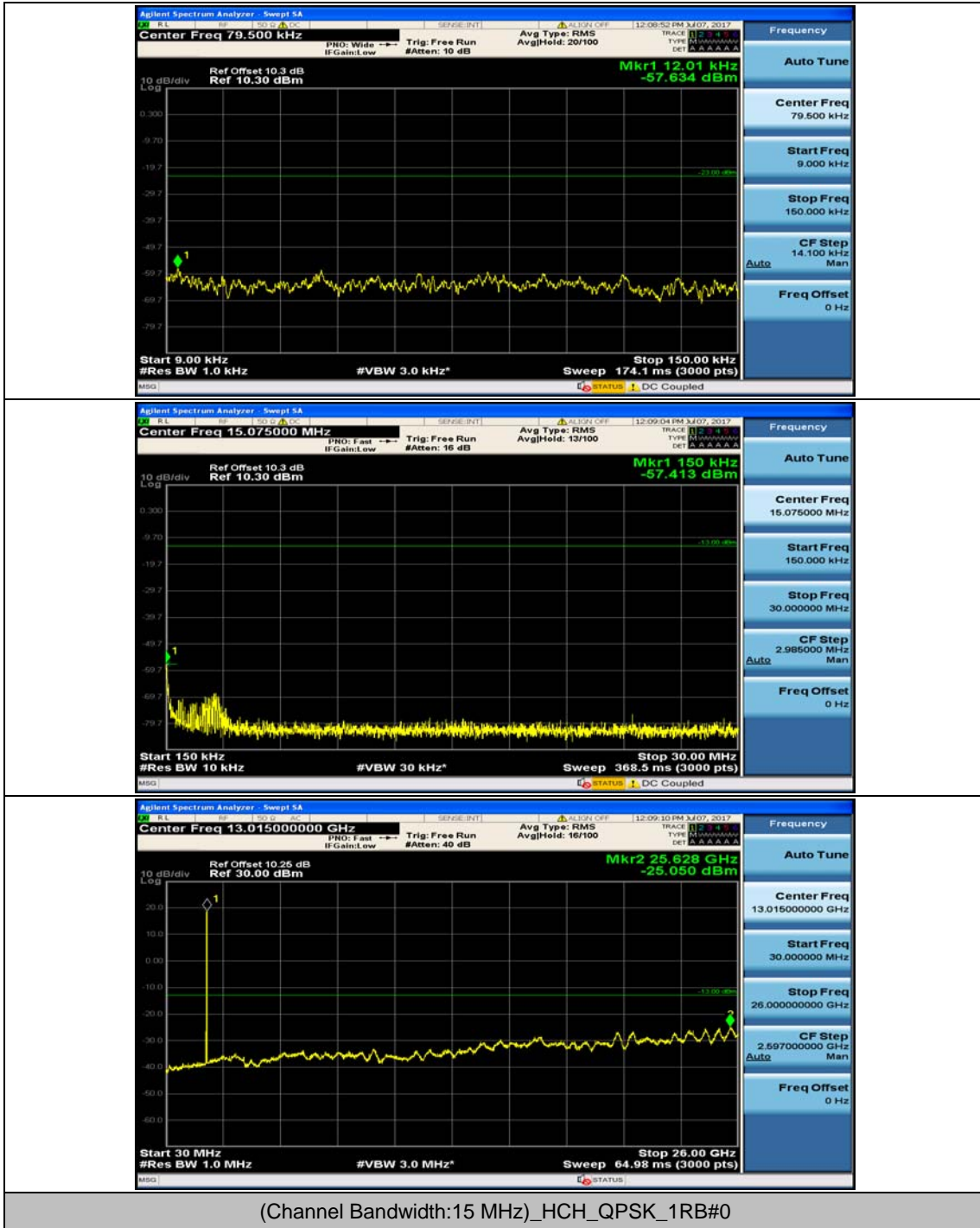


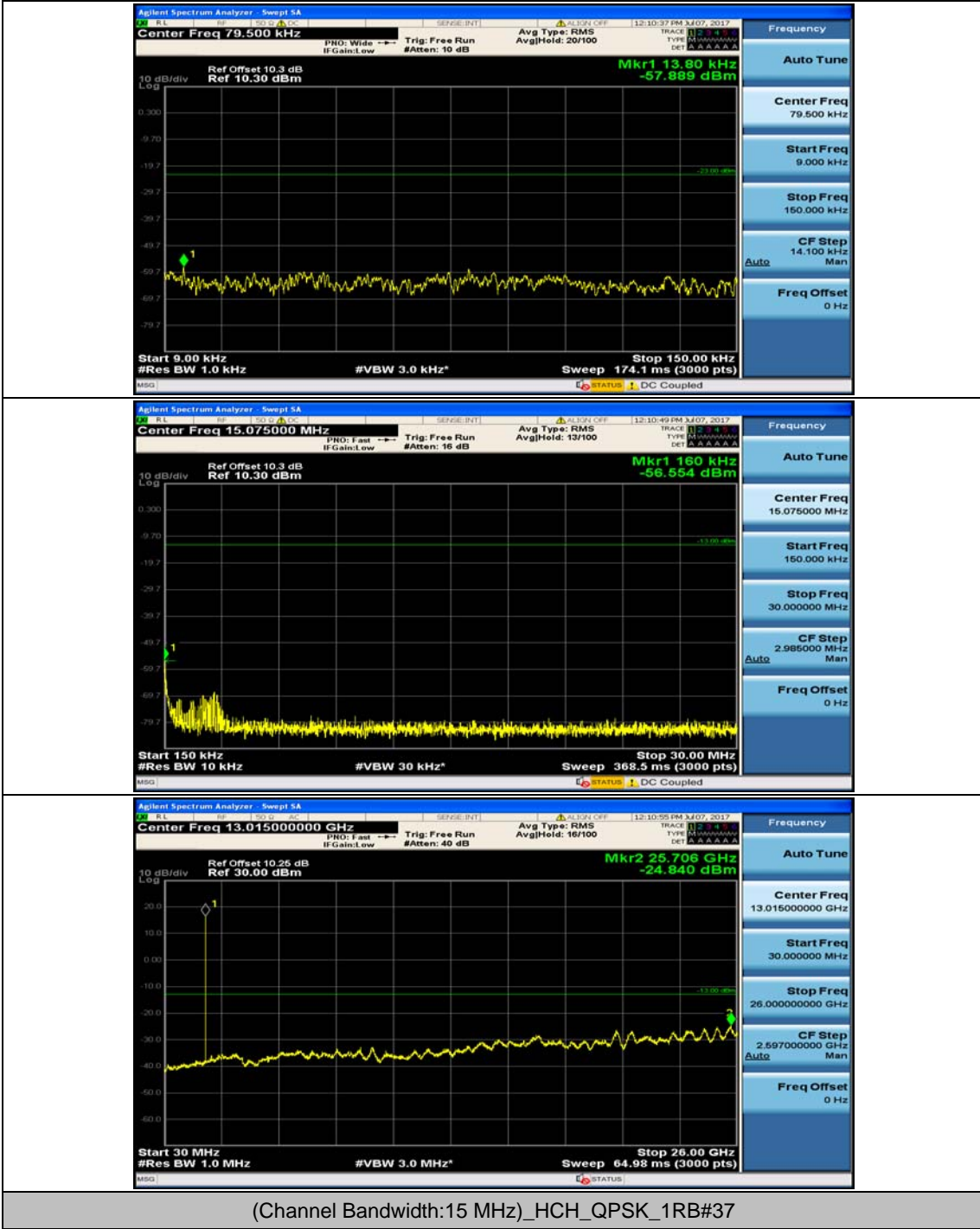


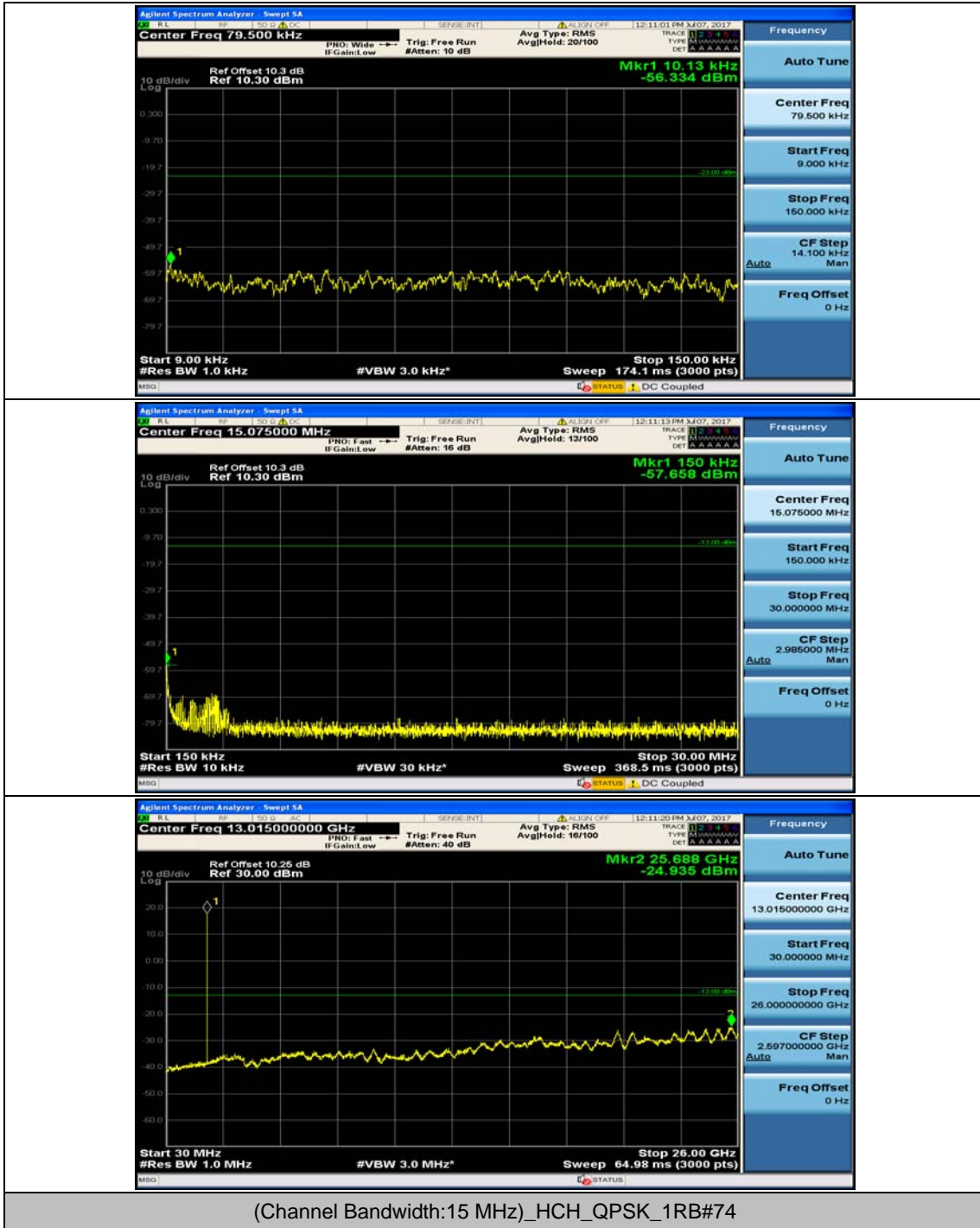


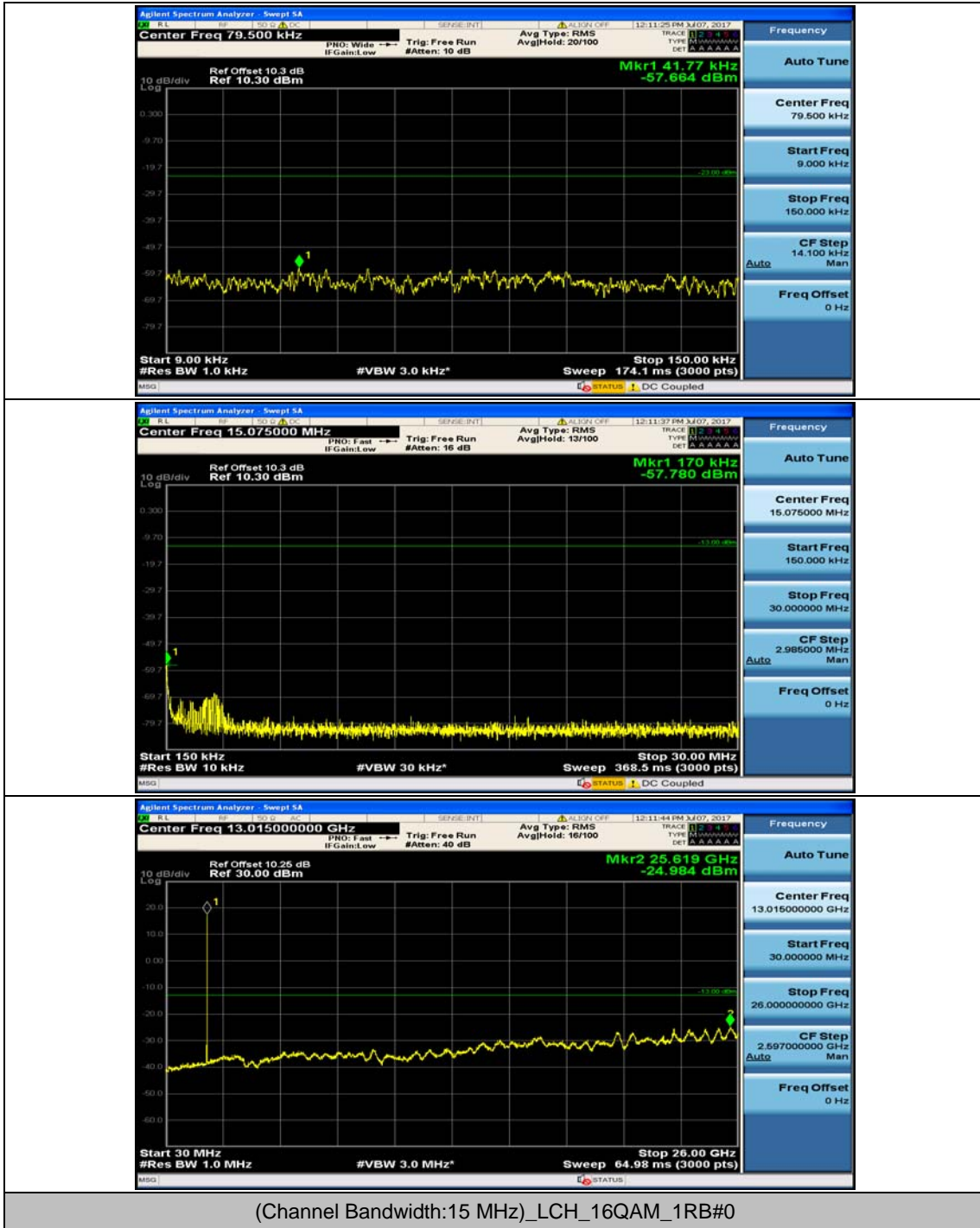


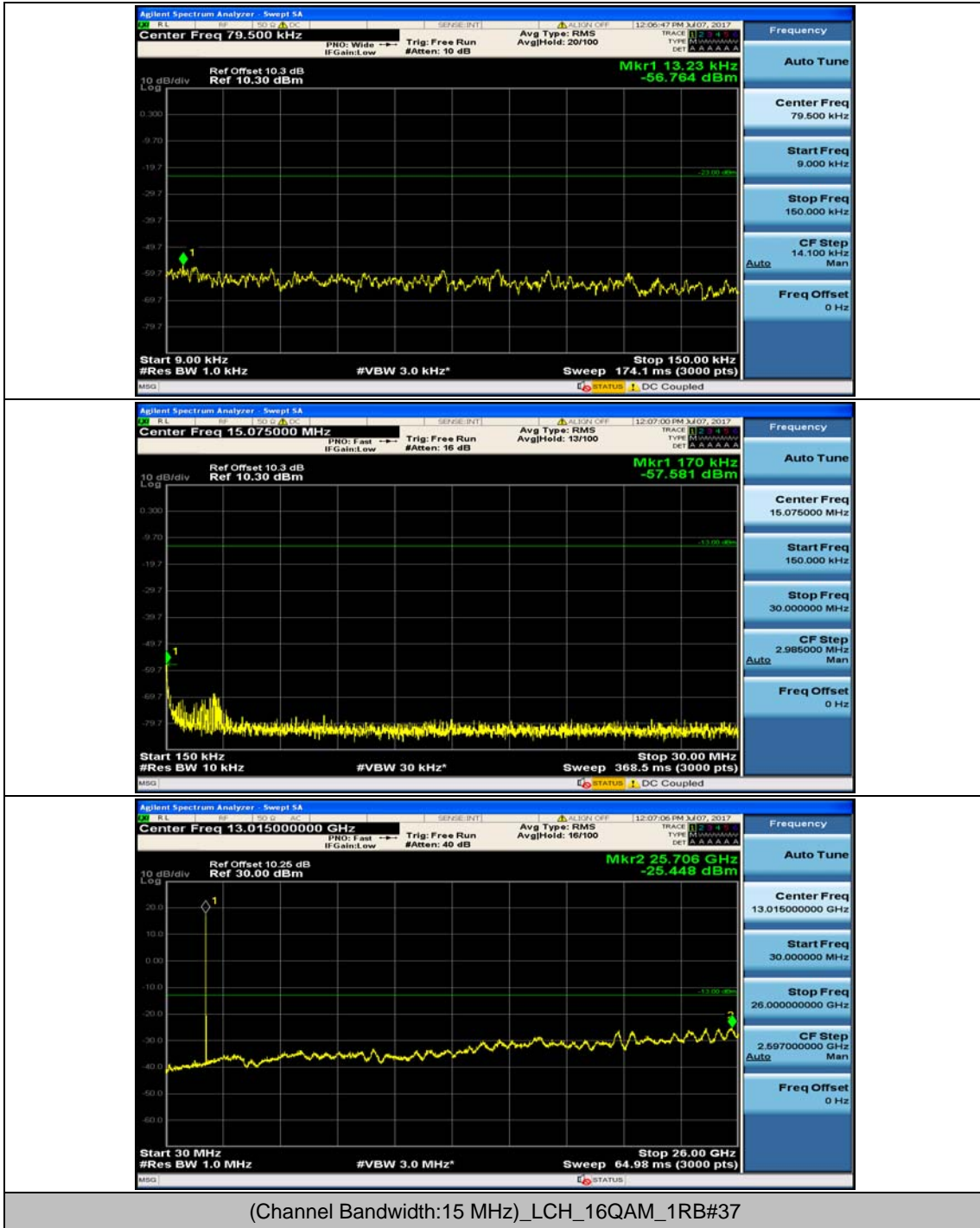


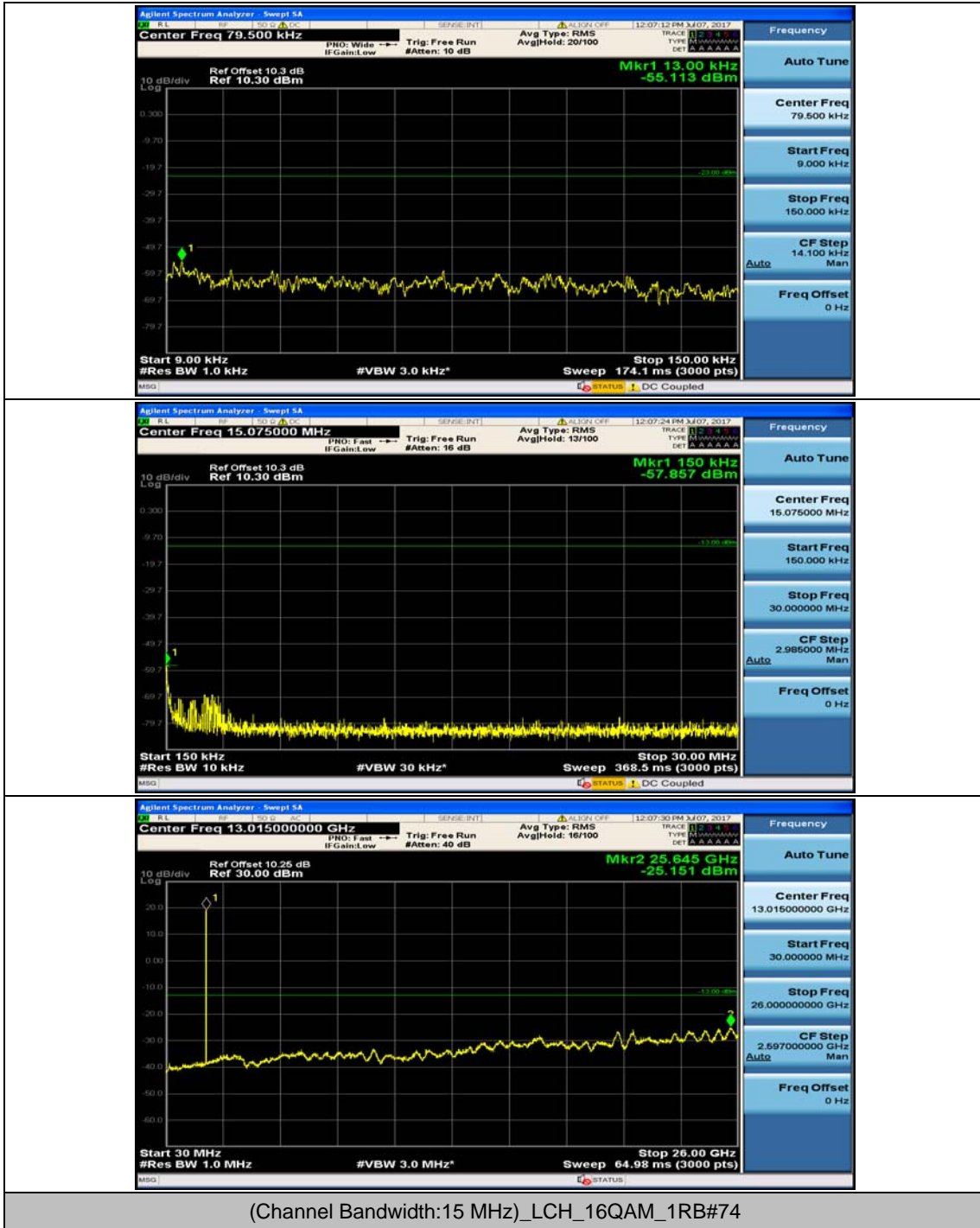


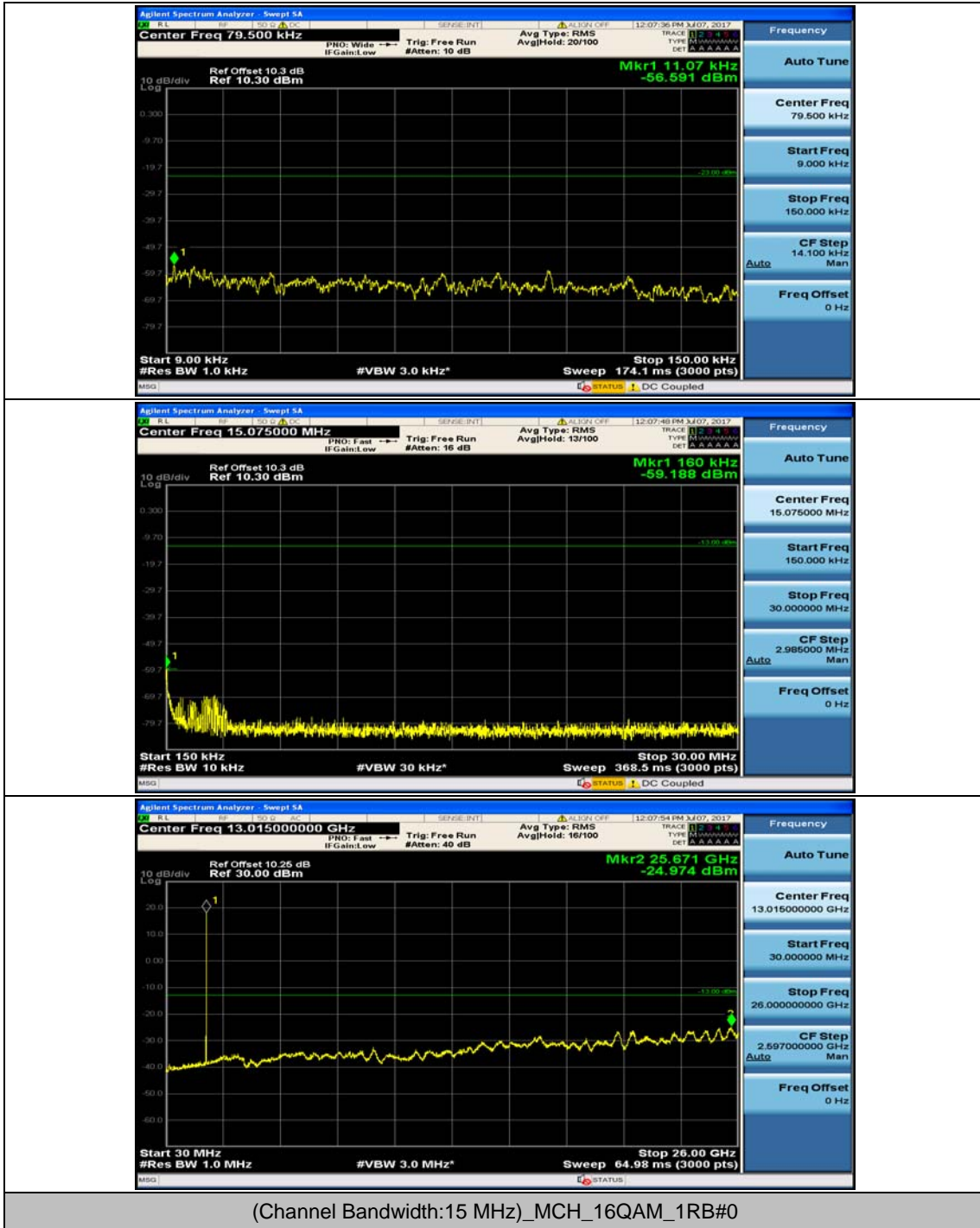


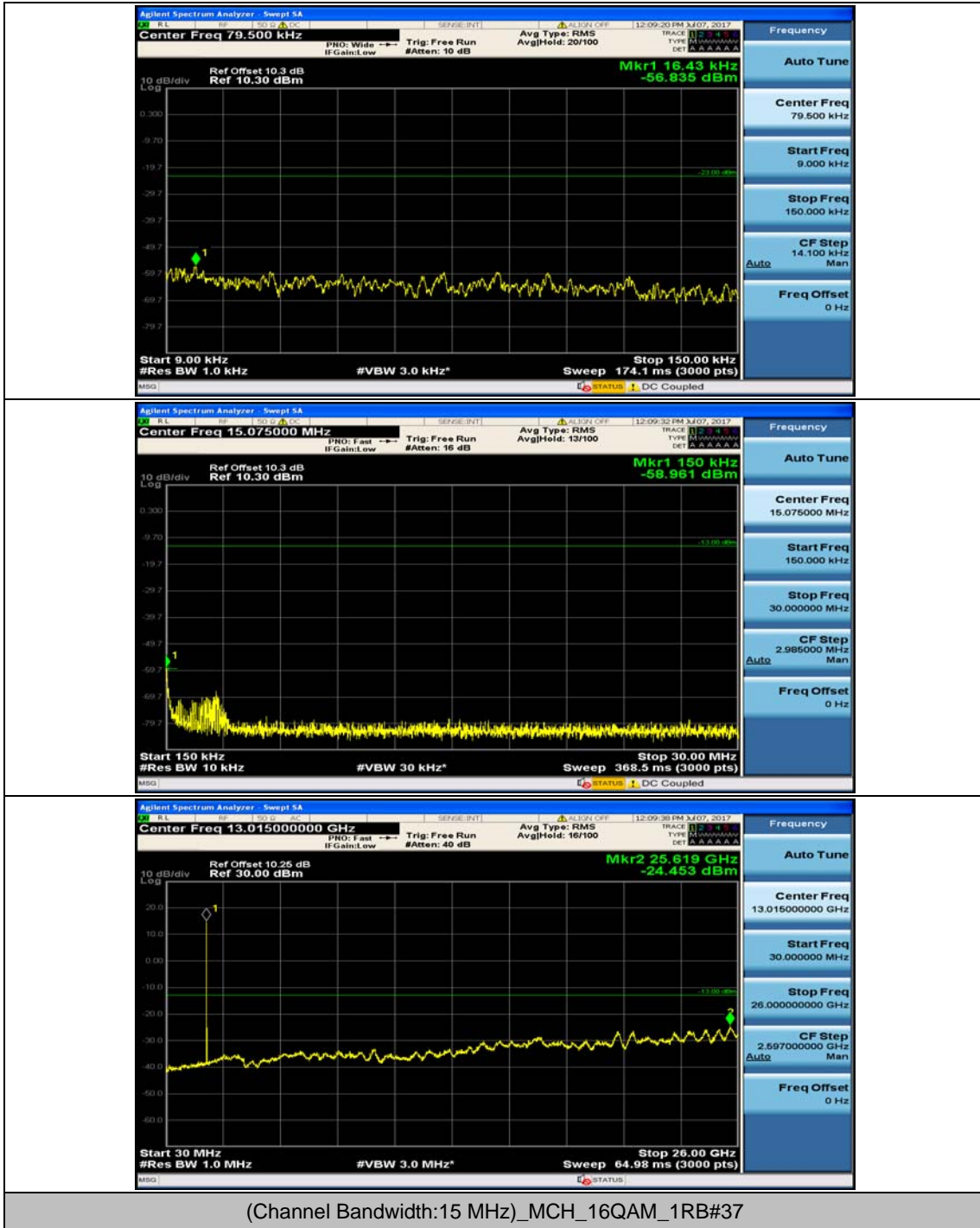


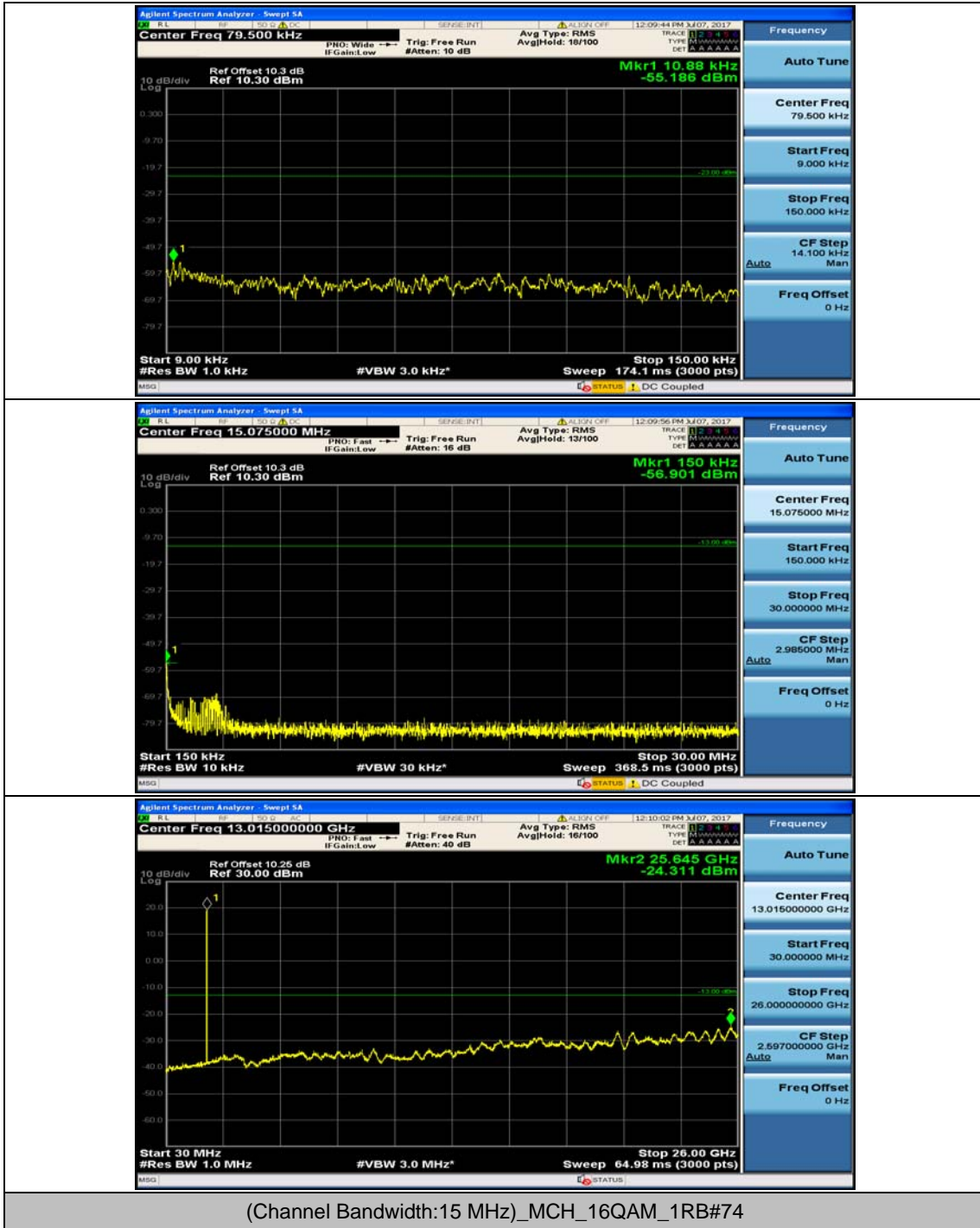


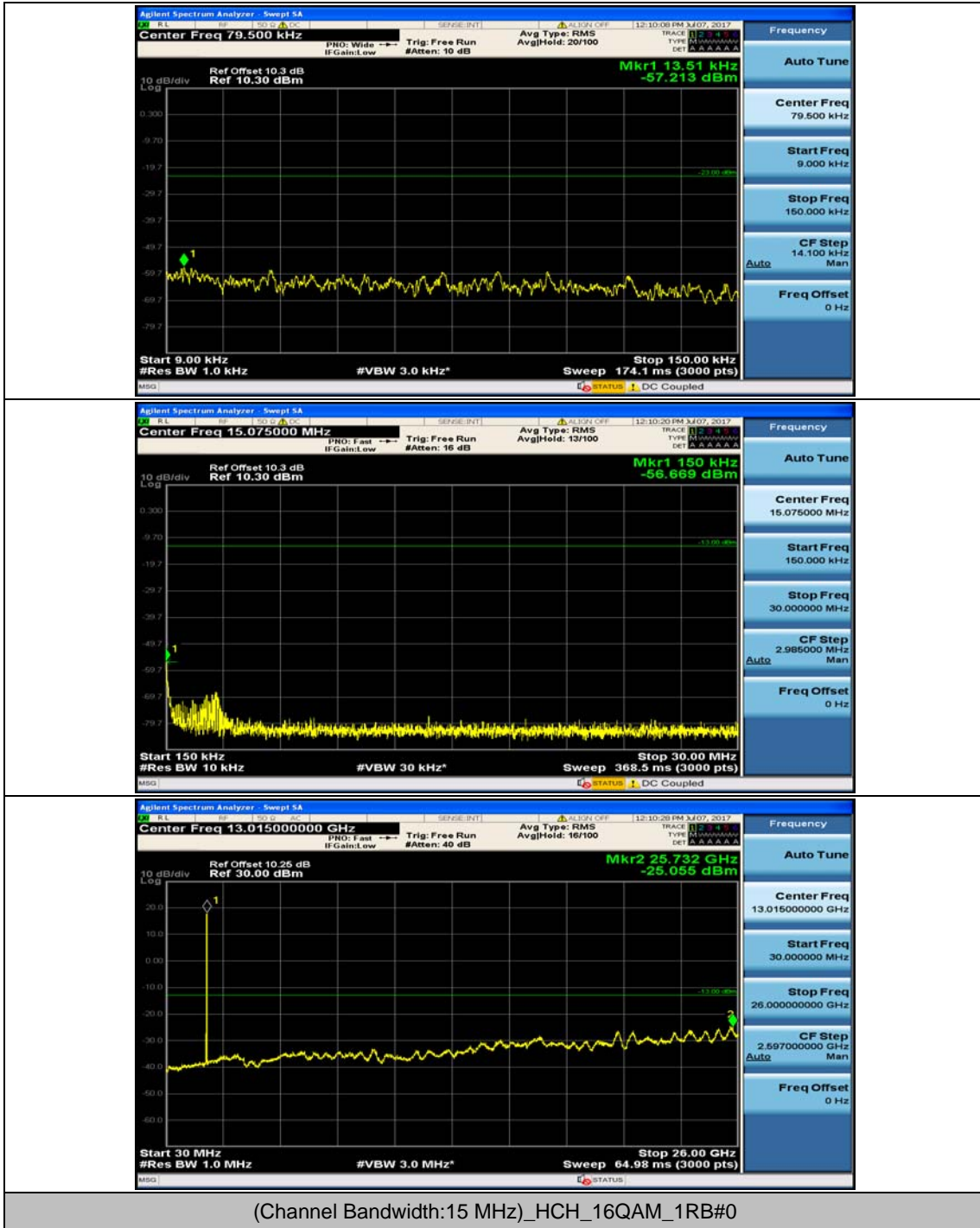


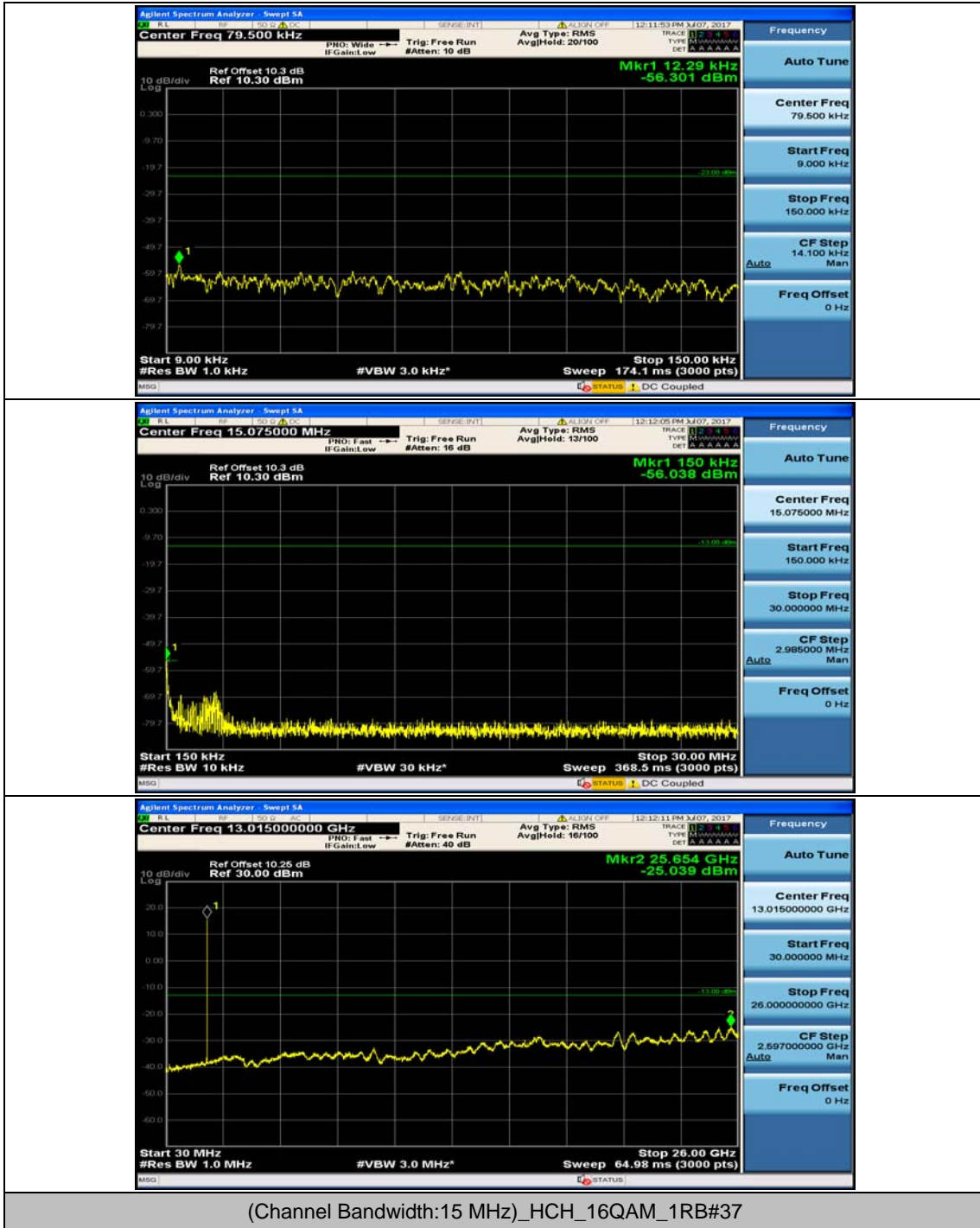


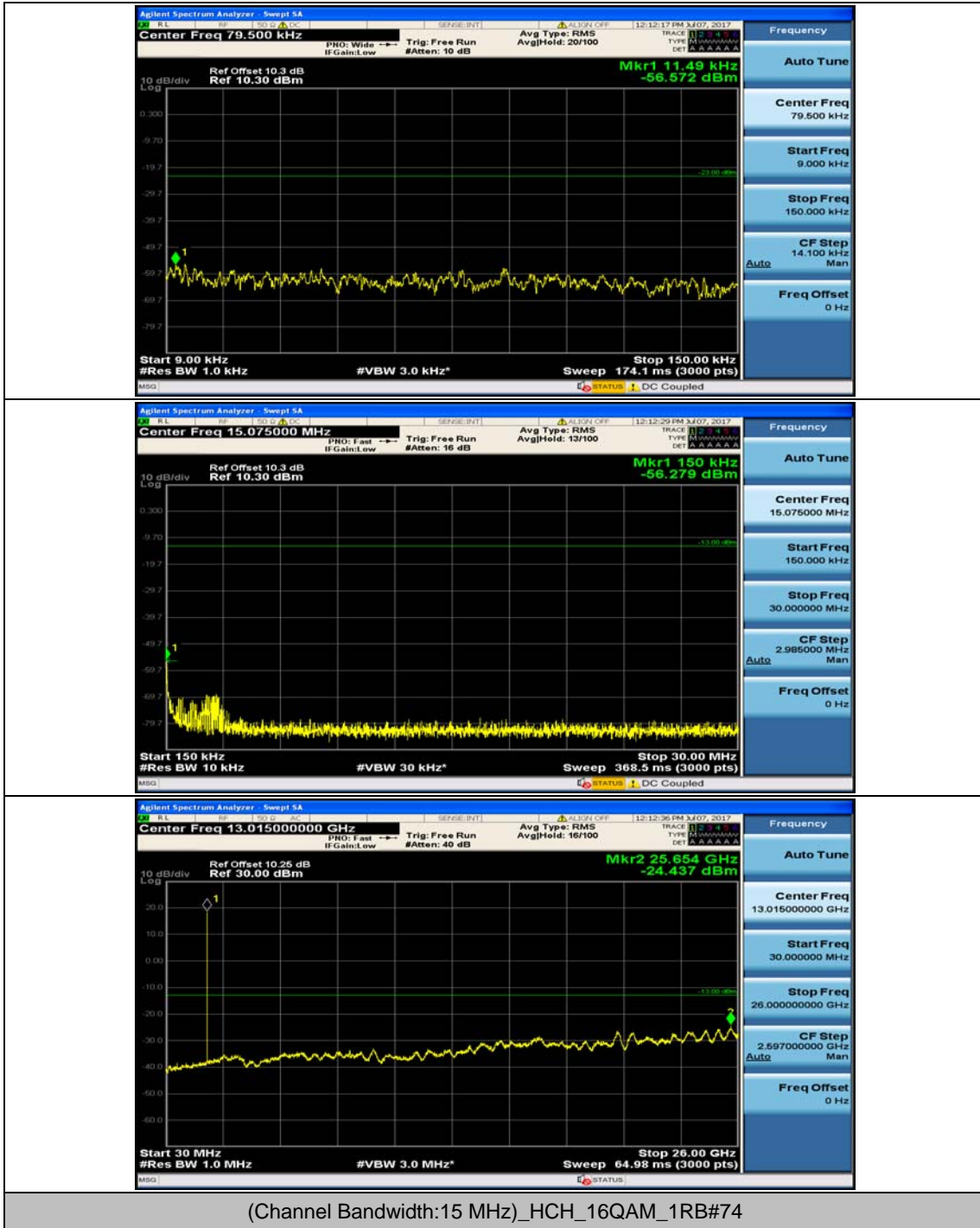


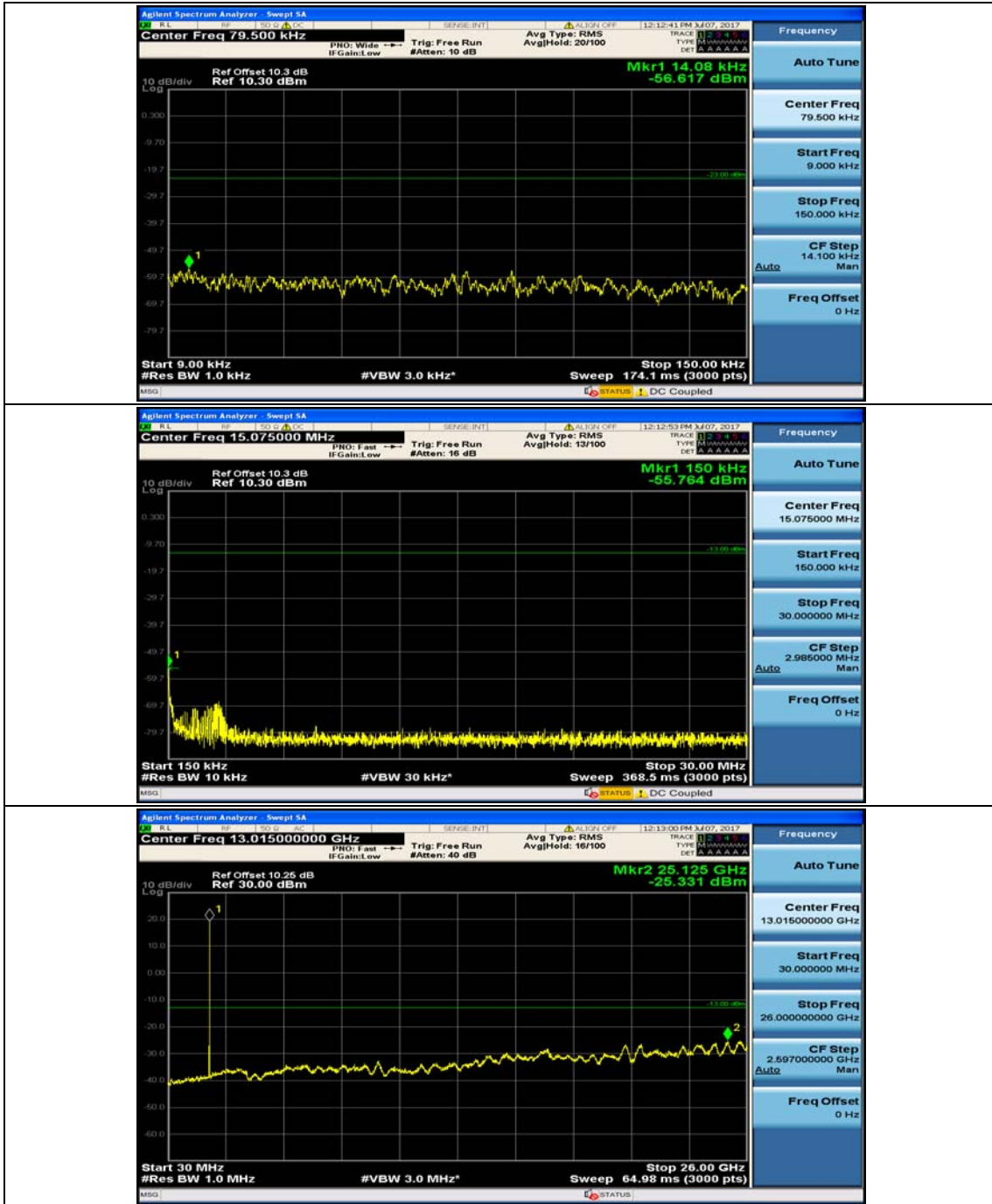




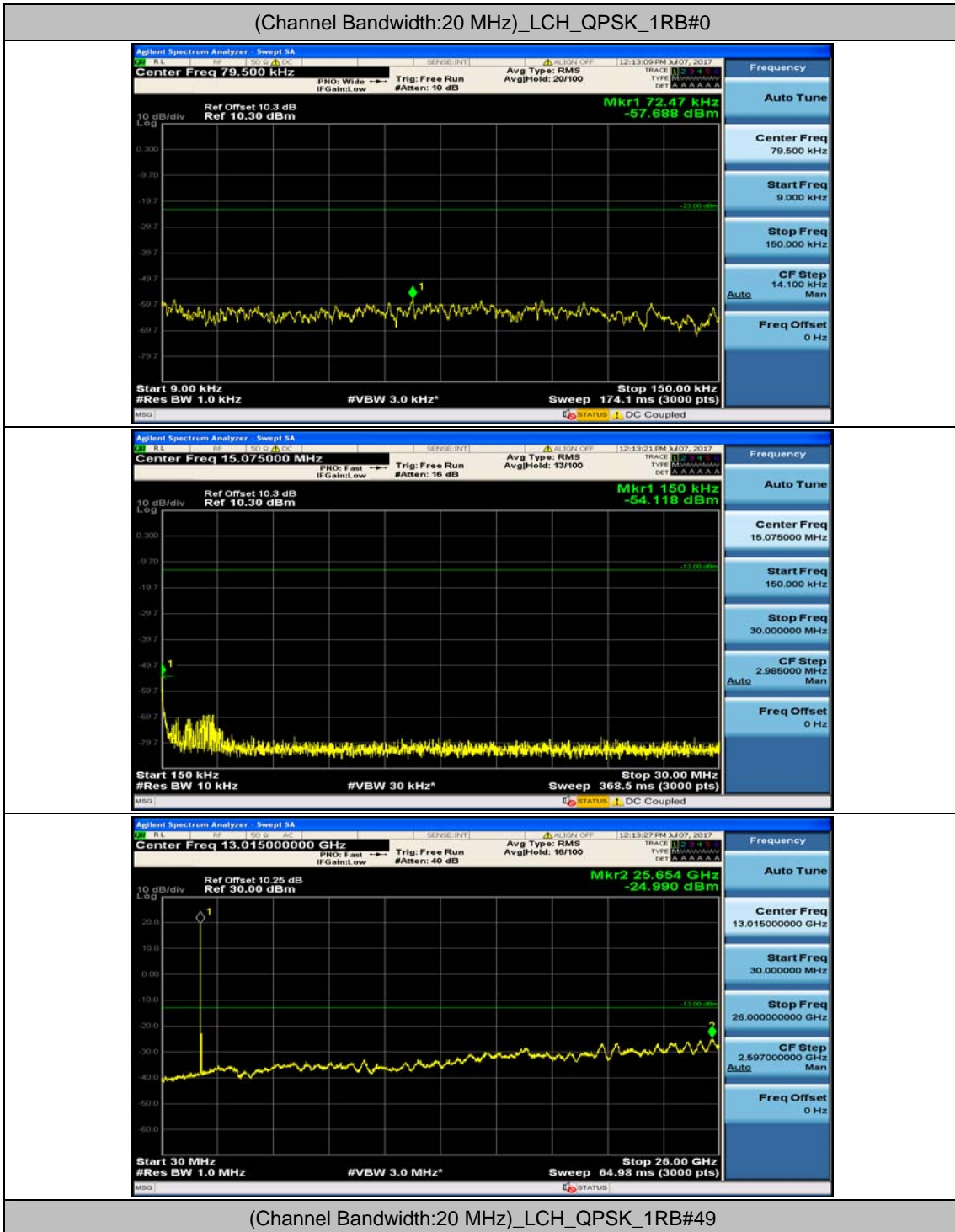


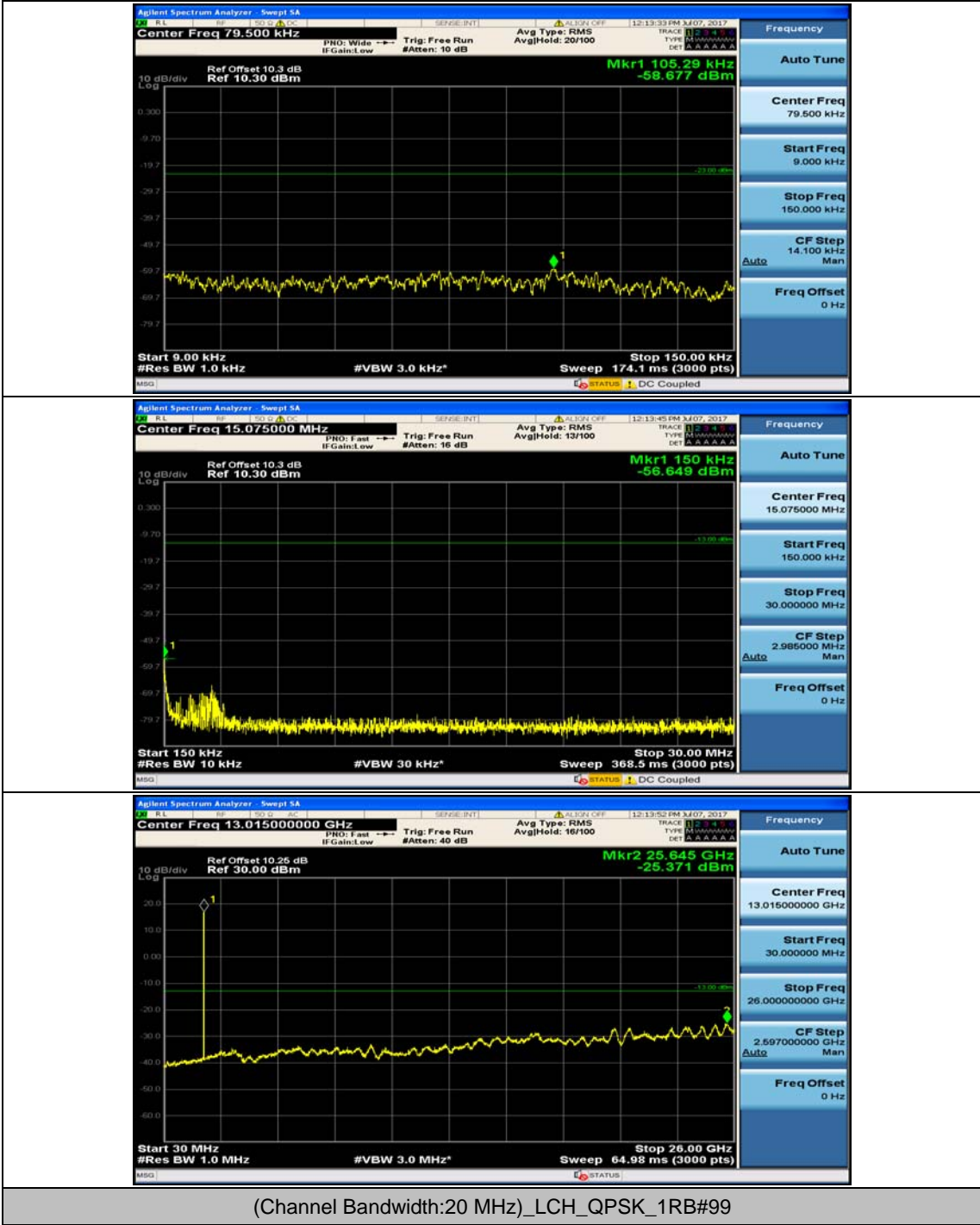


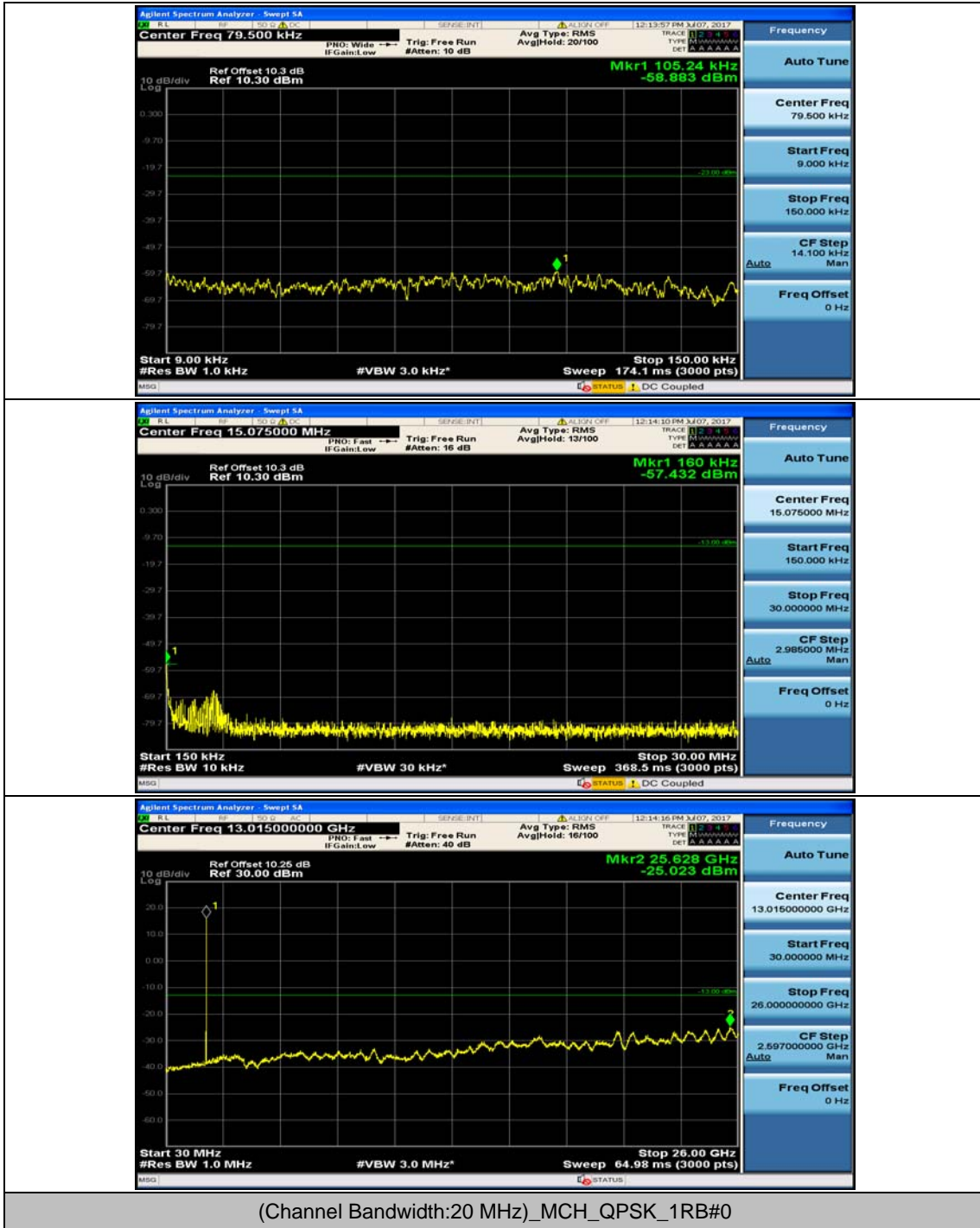


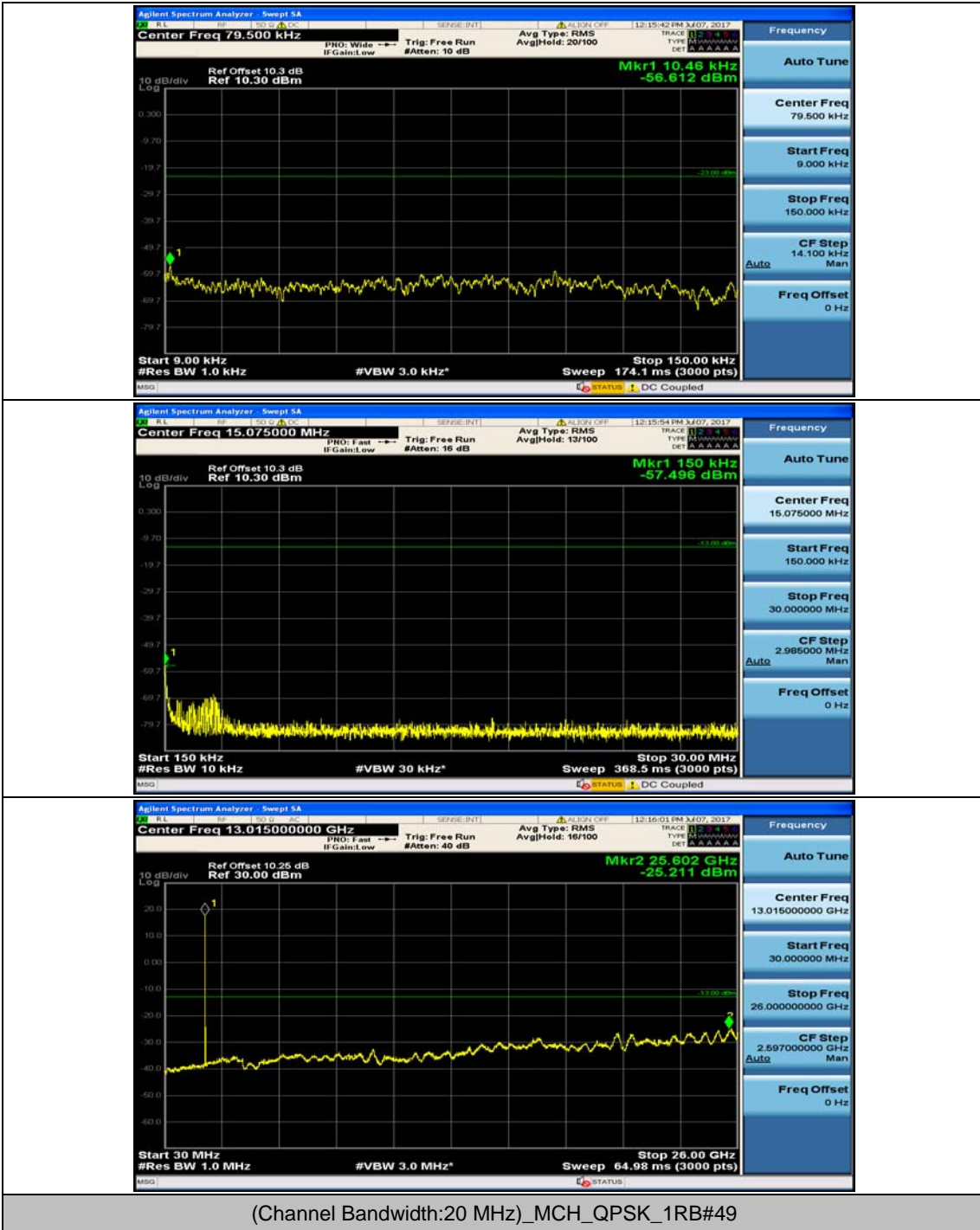


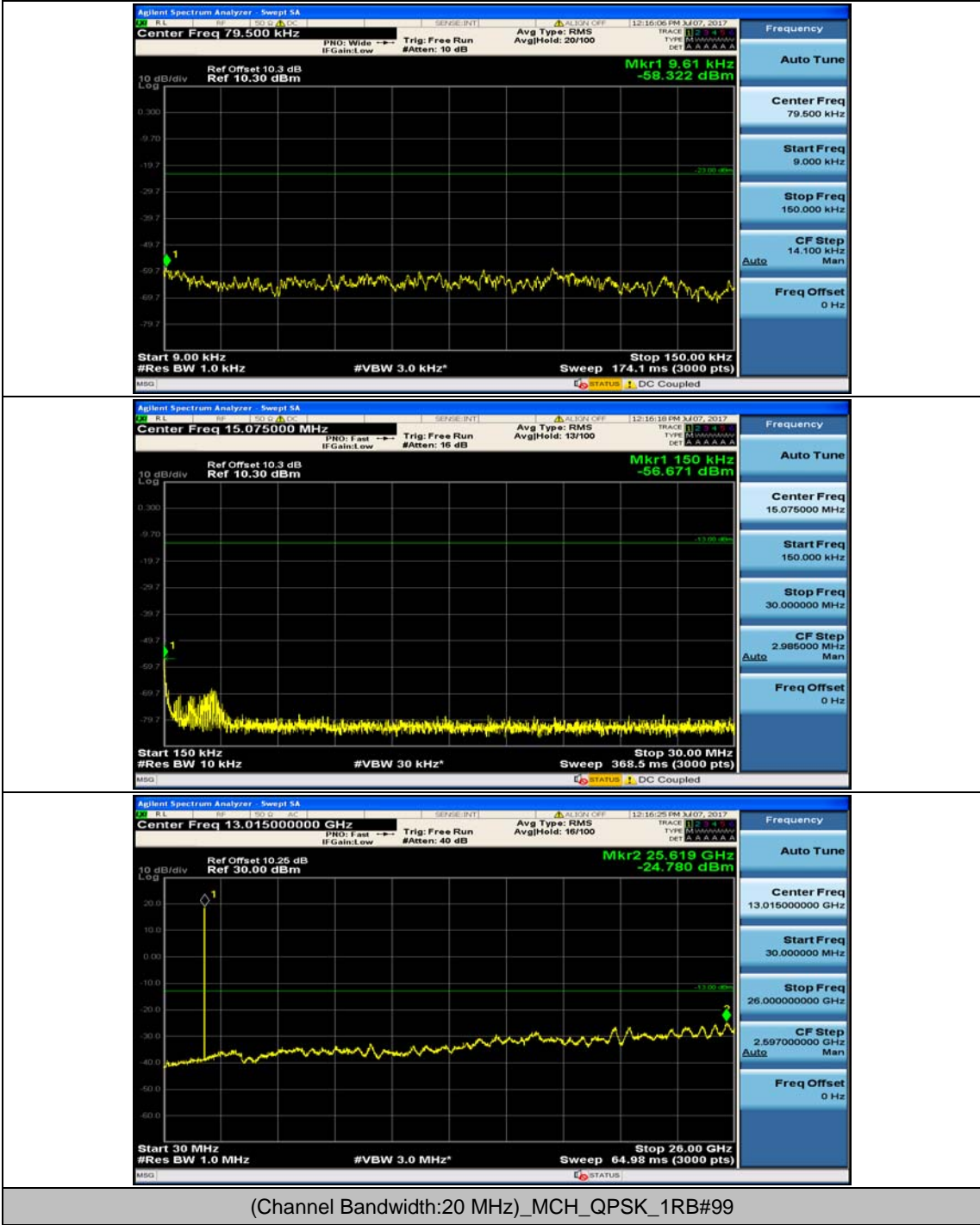
Channel Bandwidth: 20 MHz



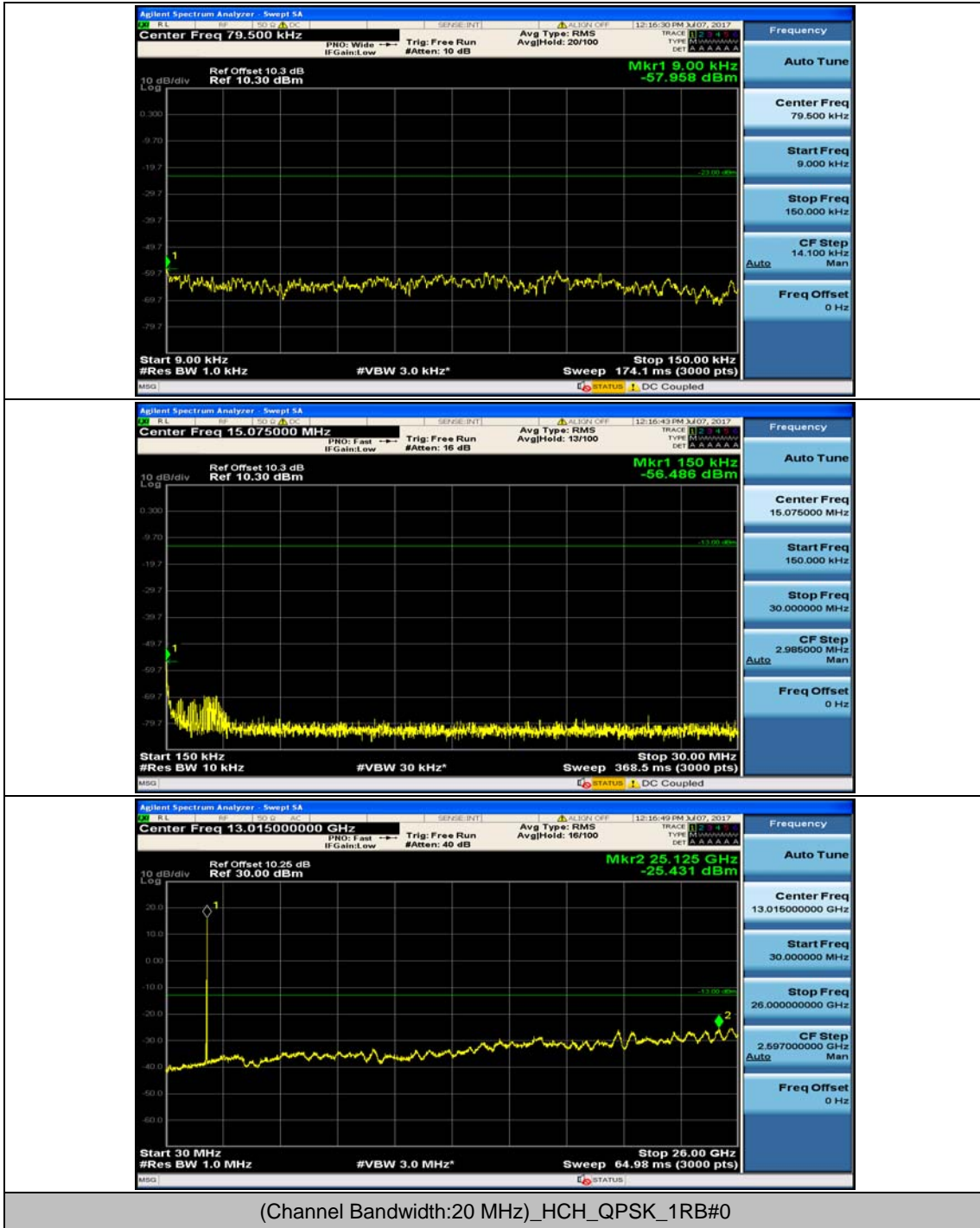


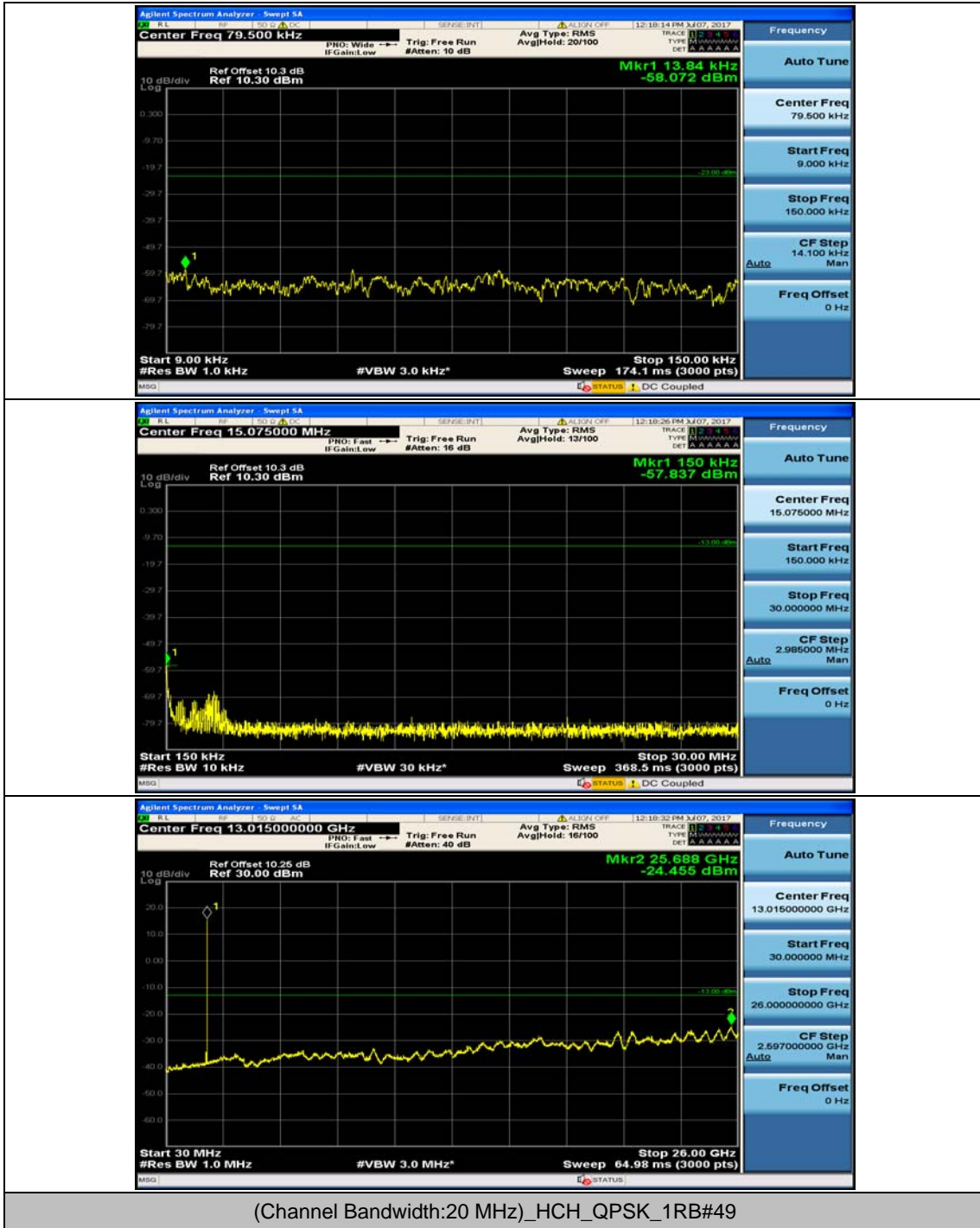


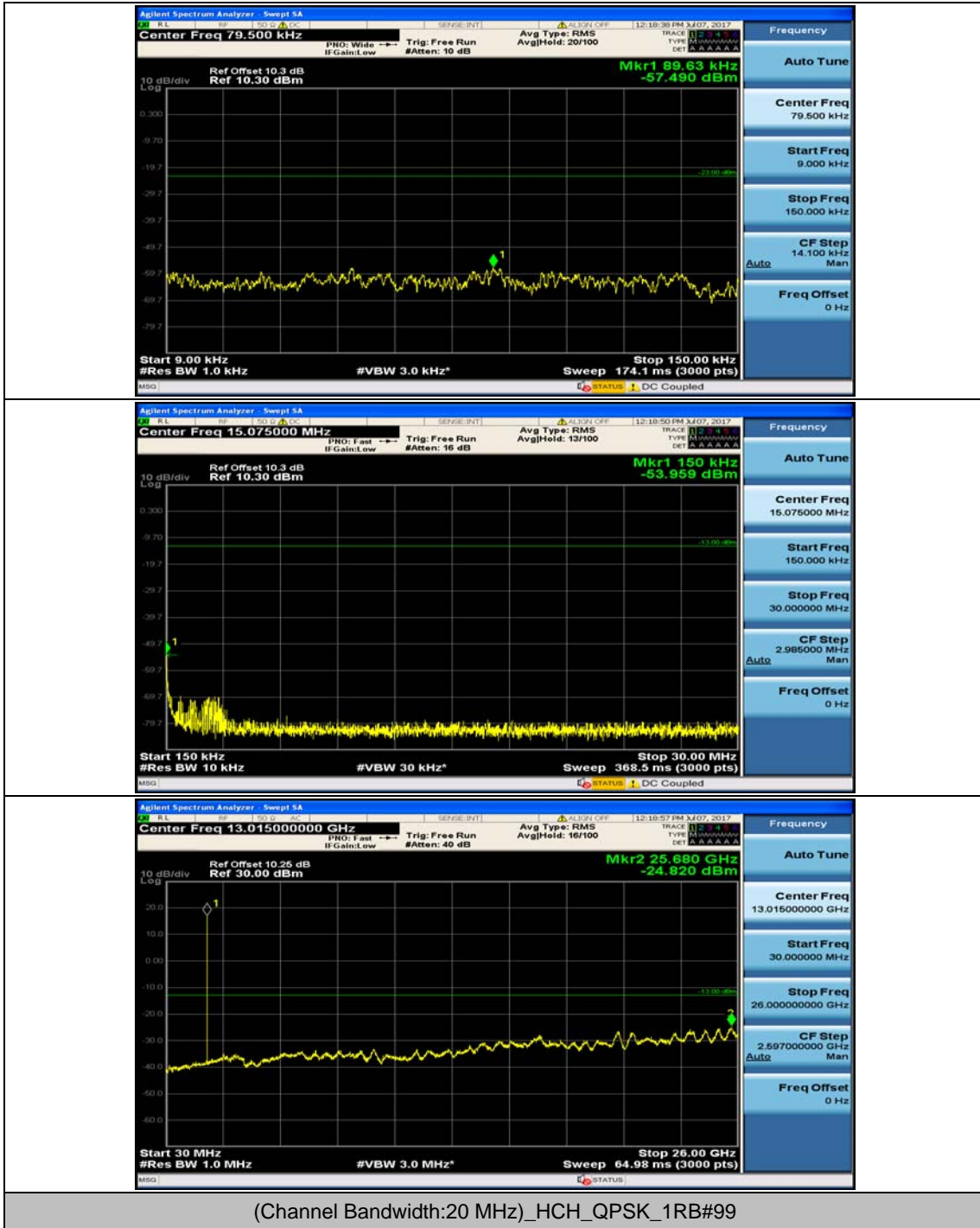


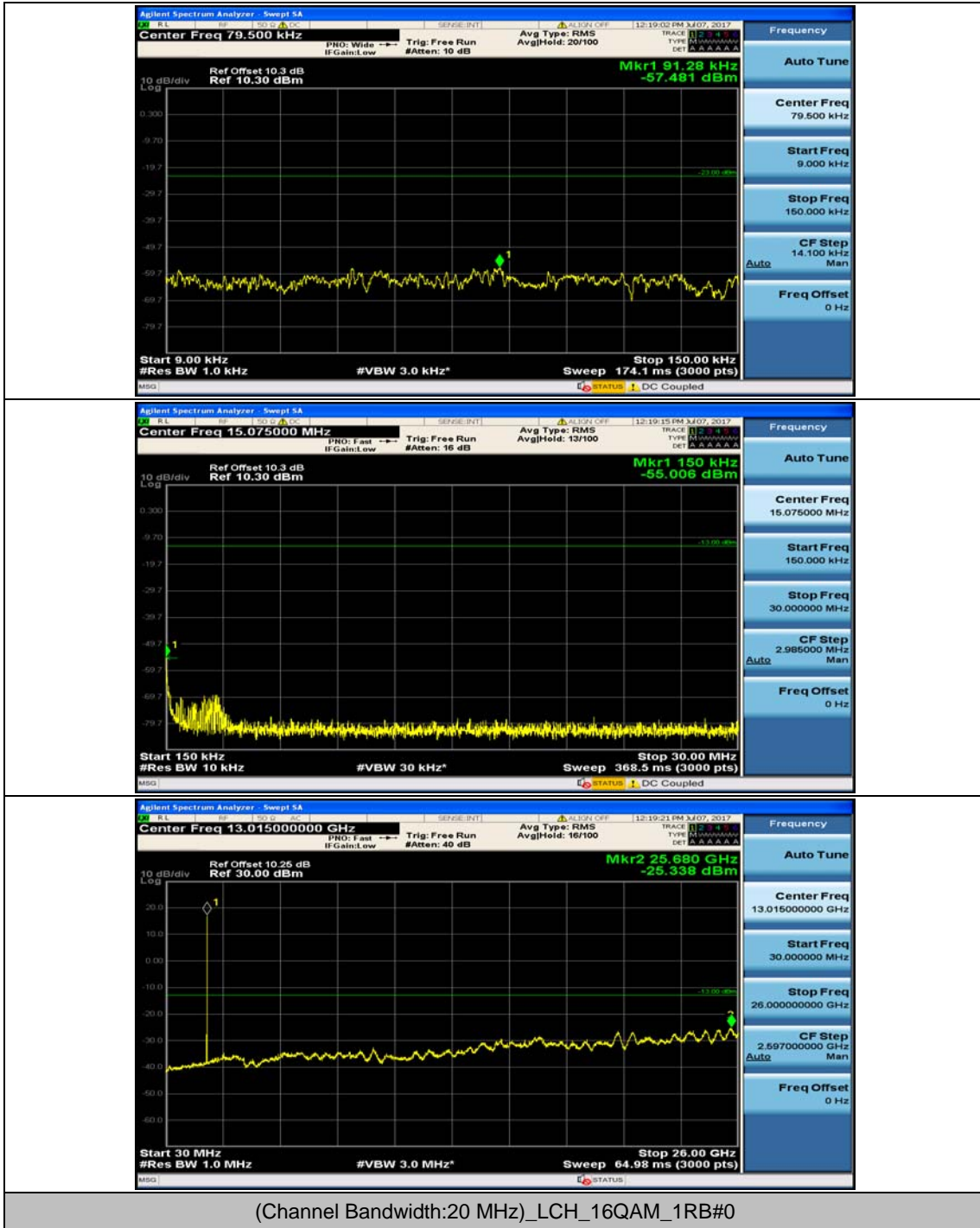


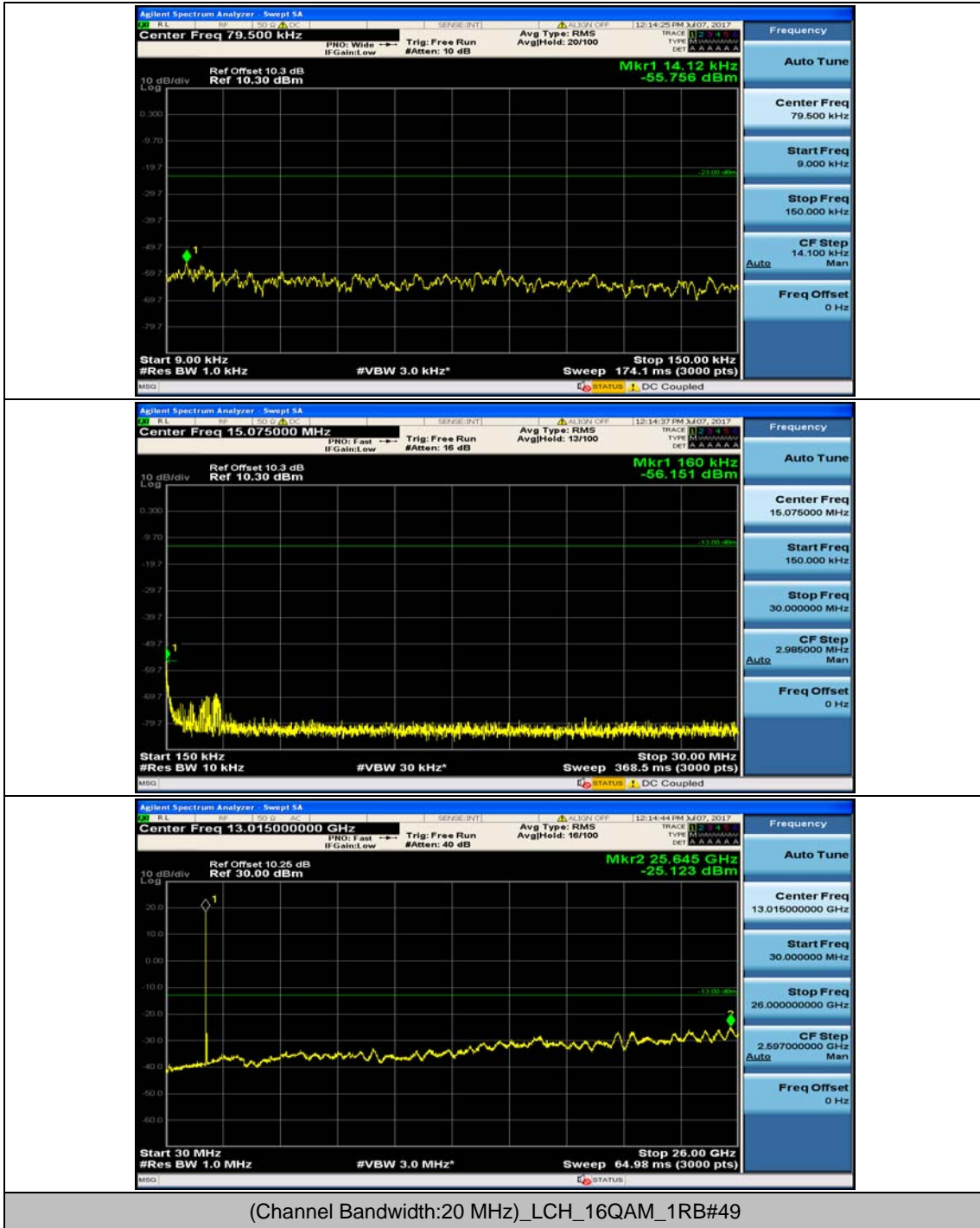
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99

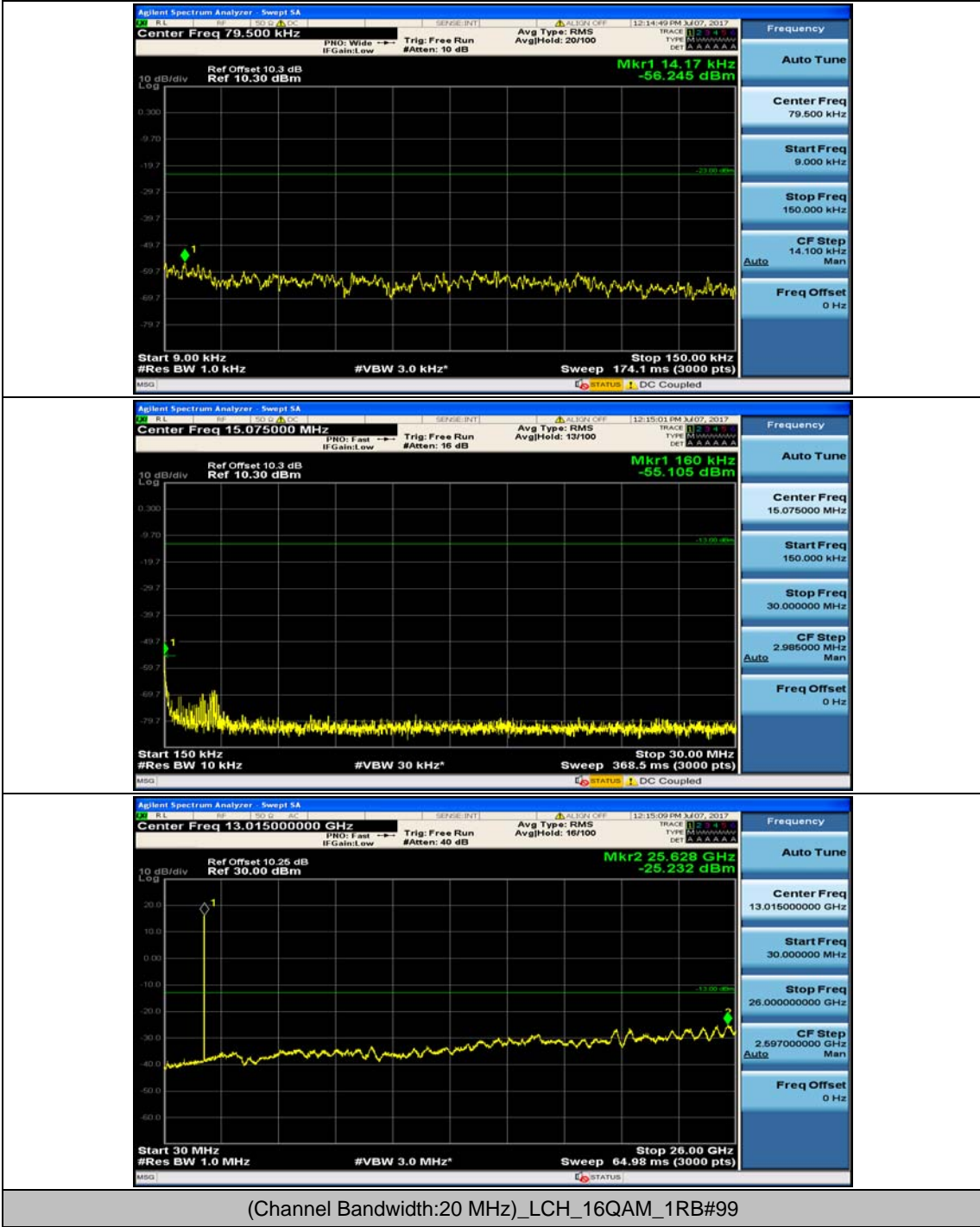


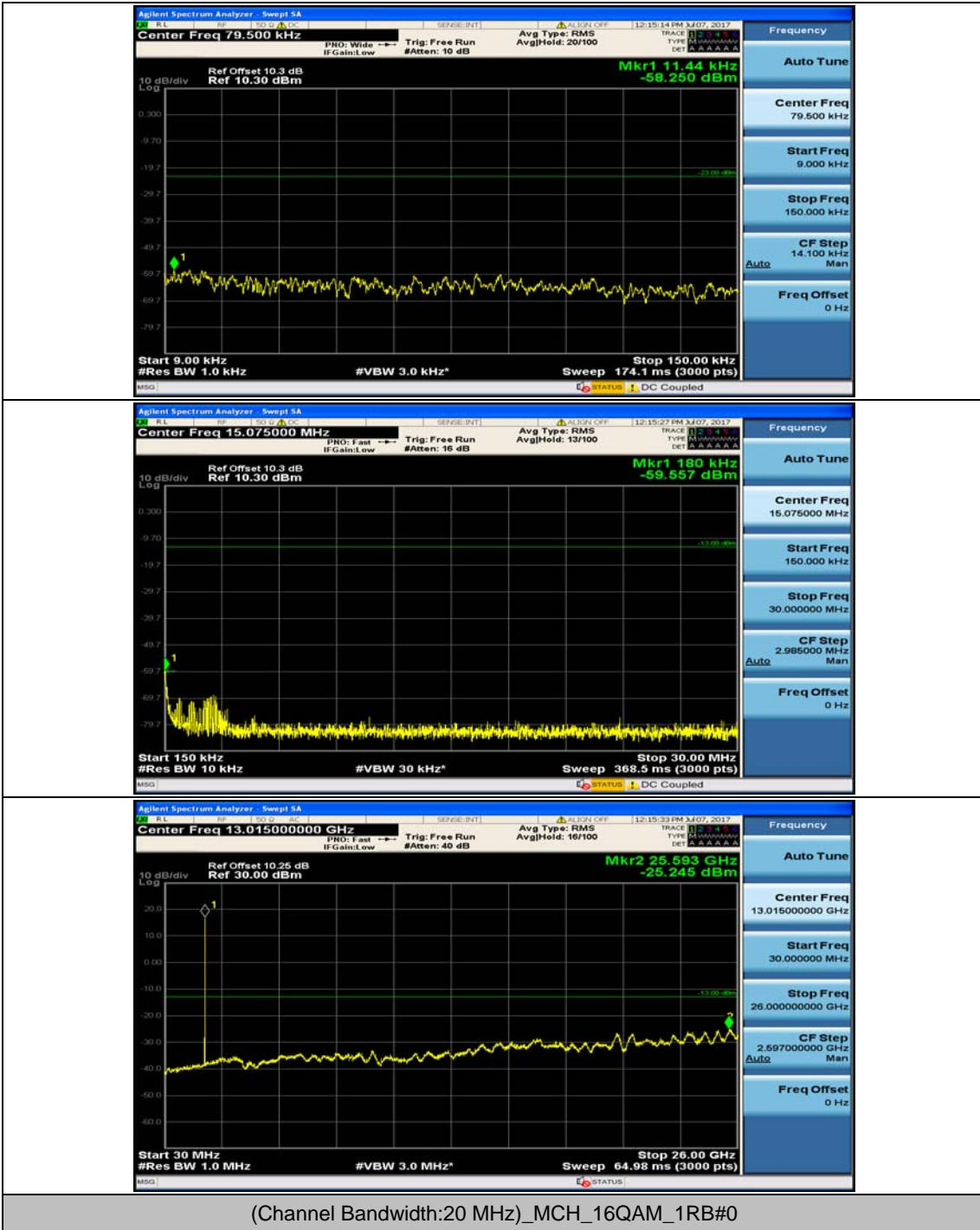


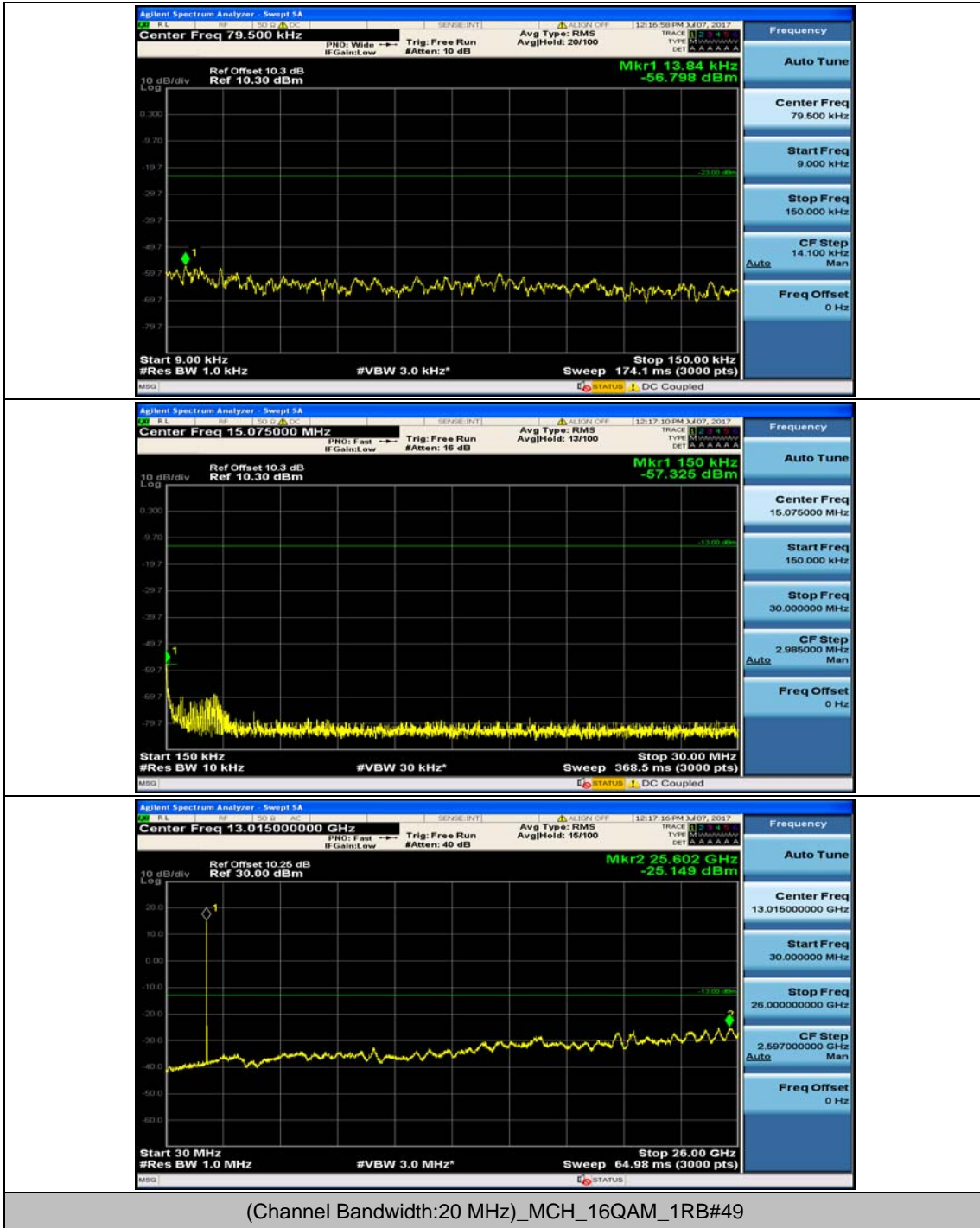


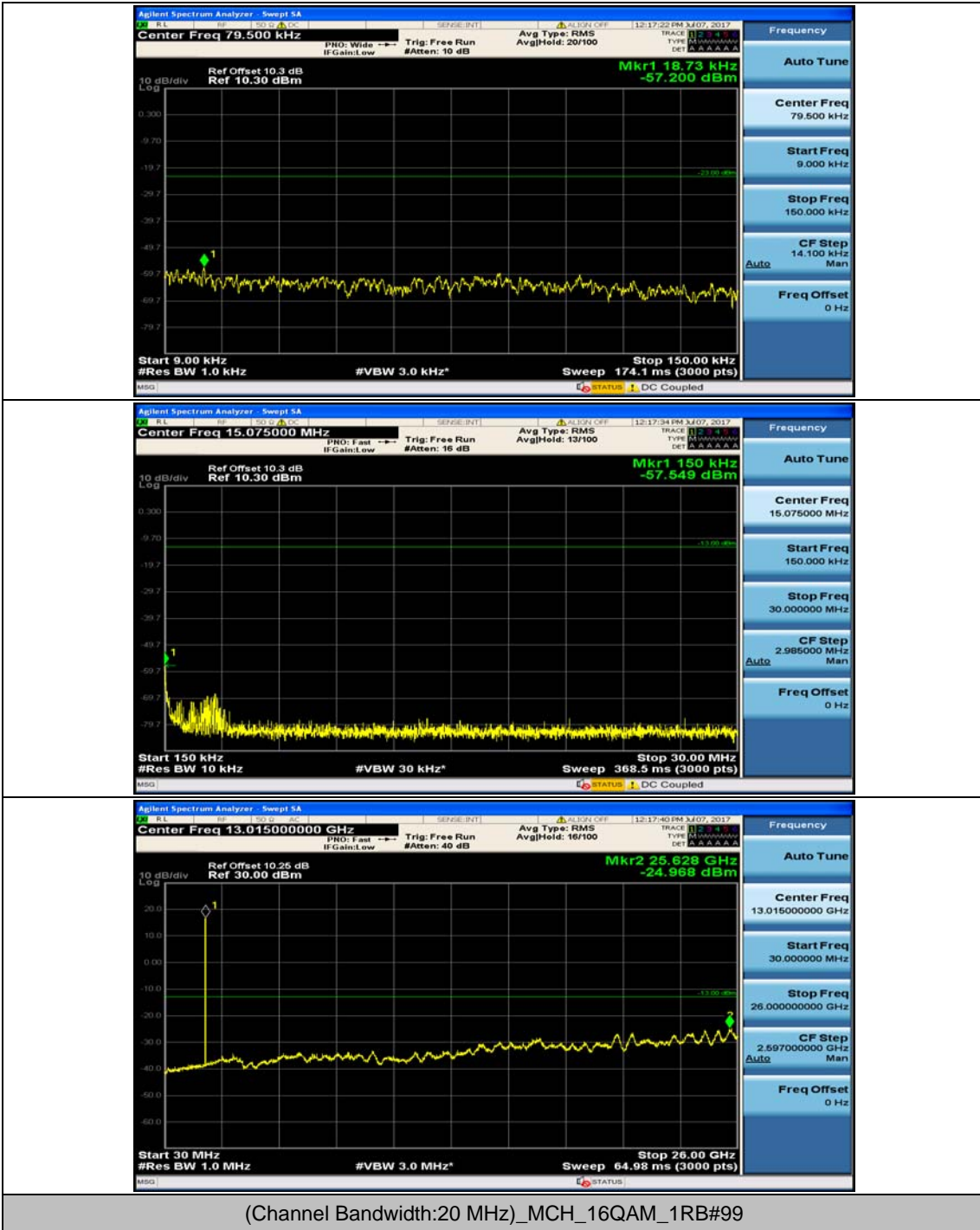


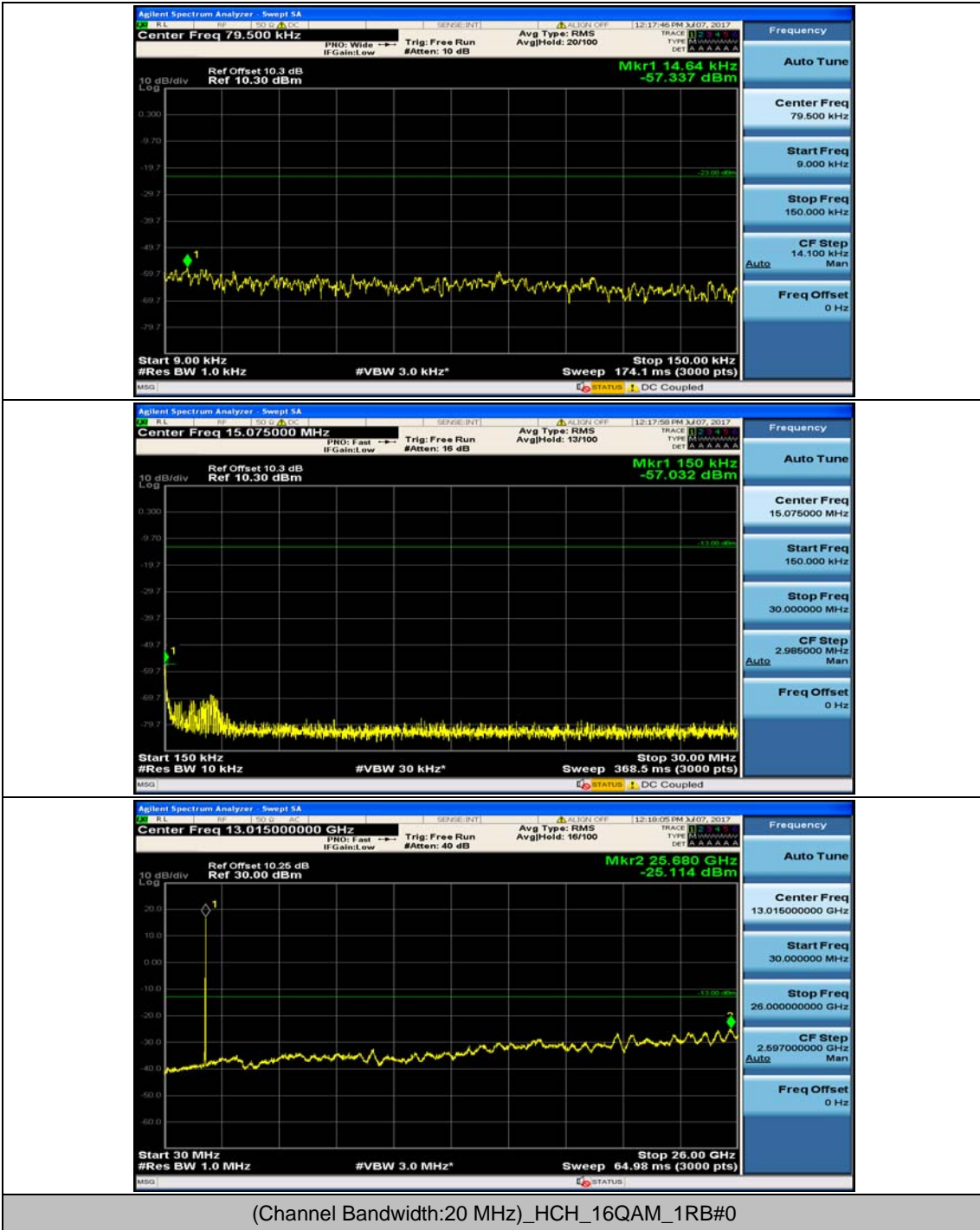


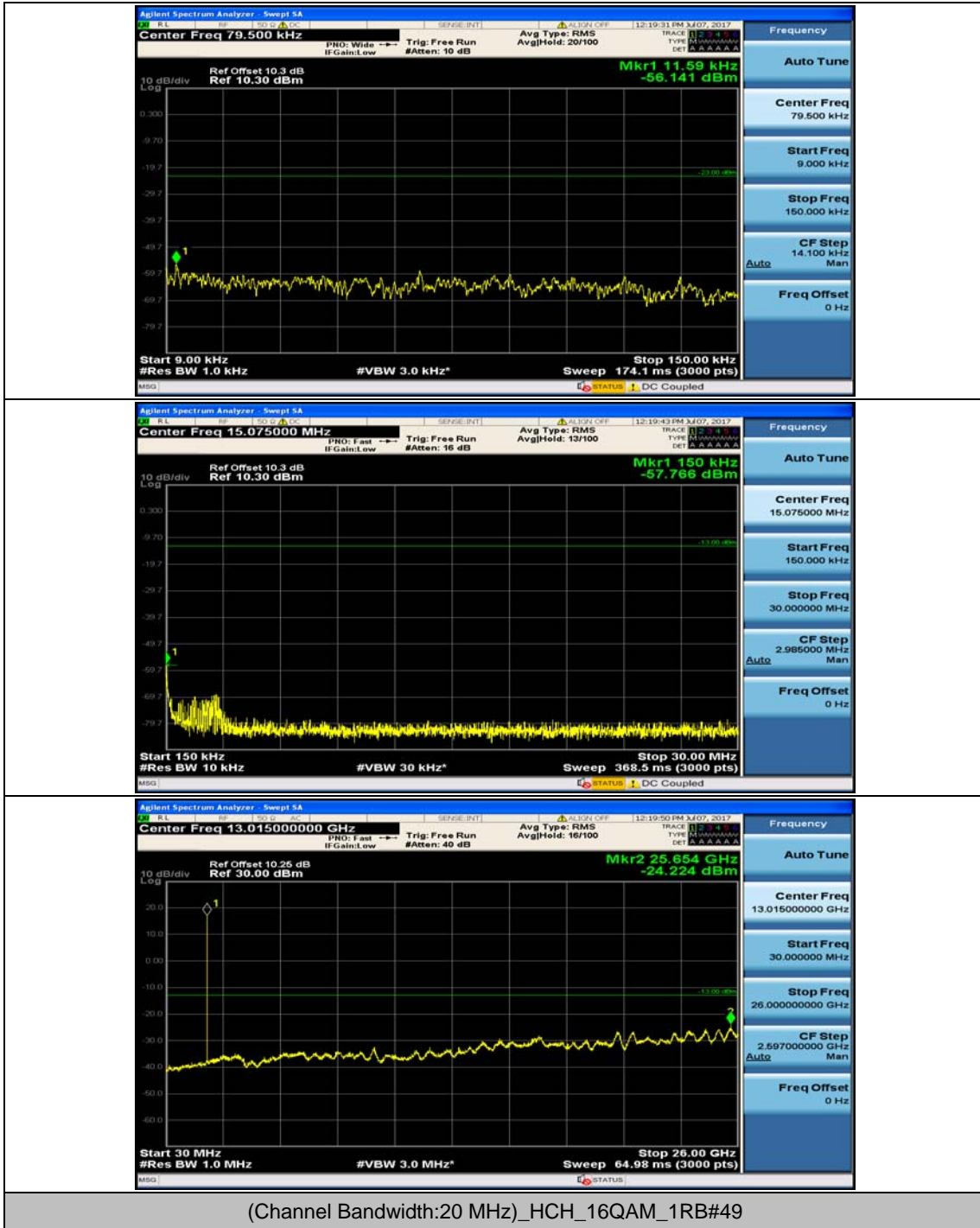


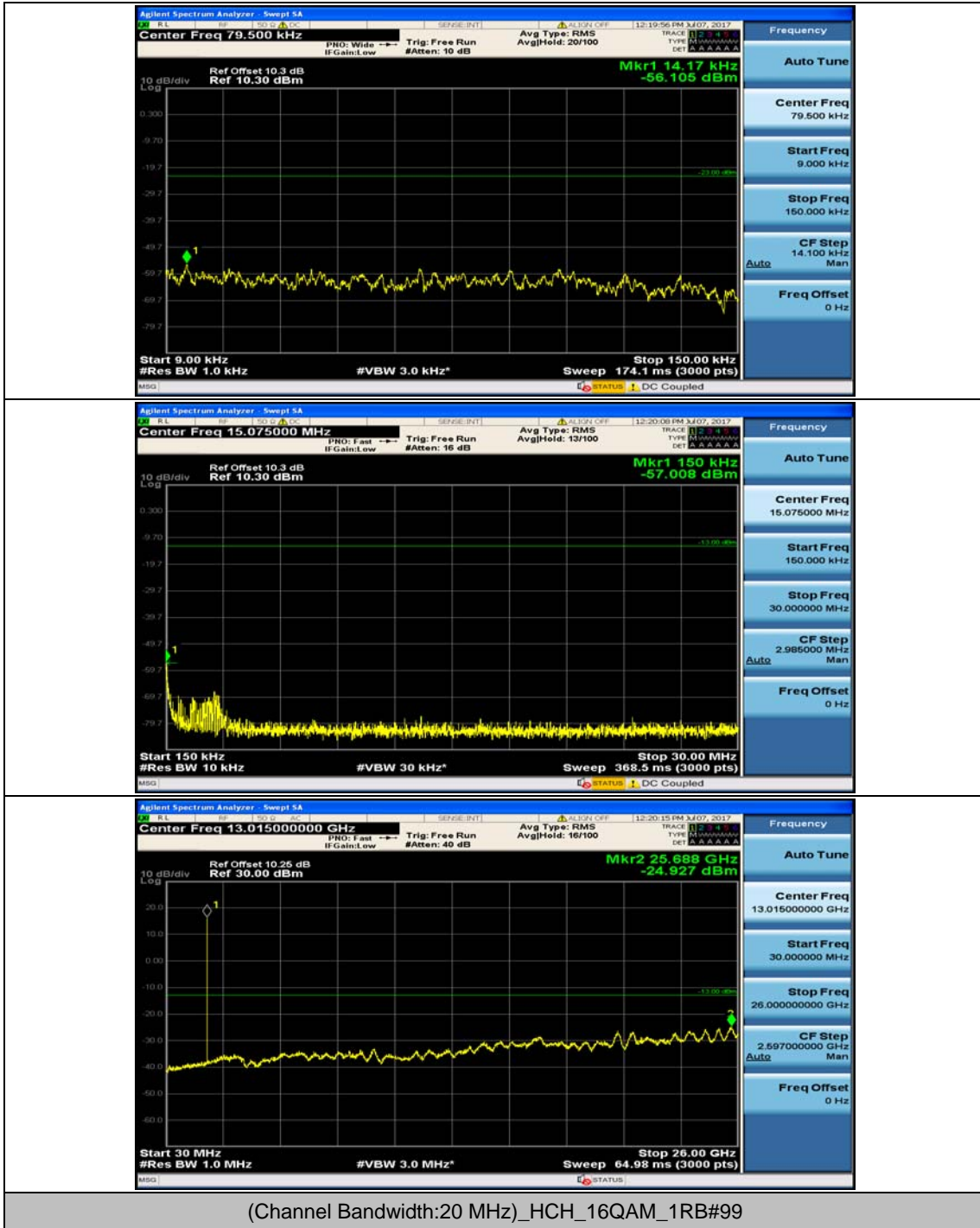


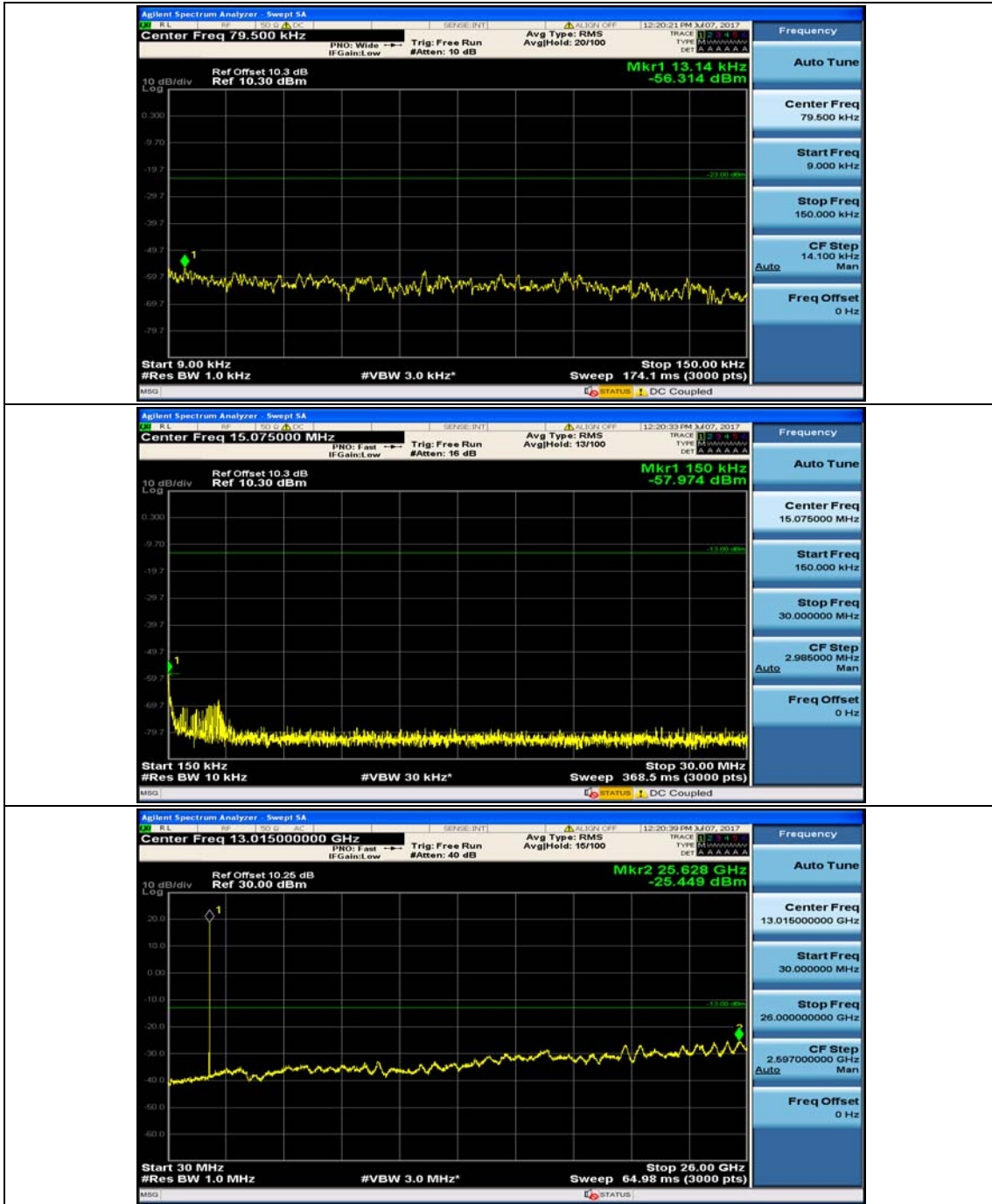












Appendix F: Frequency Stability

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	4.29	0.002318	± 2.5	PASS
		VN	TN	3.86	0.002086	± 2.5	PASS
		VH	TN	1.01	0.000546	± 2.5	PASS
	MCH	VL	TN	-1.97	-0.001048	± 2.5	PASS
		VN	TN	4.82	0.002564	± 2.5	PASS
		VH	TN	-1.76	-0.000936	± 2.5	PASS
	HCH	VL	TN	0.69	0.000361	± 2.5	PASS
		VN	TN	-1.72	-0.000901	± 2.5	PASS
		VH	TN	3.24	0.001697	± 2.5	PASS
16QAM	LCH	VL	TN	-0.44	-0.000238	± 2.5	PASS
		VN	TN	4.13	0.002232	± 2.5	PASS
		VH	TN	0.34	0.000184	± 2.5	PASS
	MCH	VL	TN	1.75	0.000931	± 2.5	PASS
		VN	TN	-0.73	-0.000388	± 2.5	PASS
		VH	TN	2.36	0.001255	± 2.5	PASS
	HCH	VL	TN	2.26	0.001184	± 2.5	PASS
		VN	TN	-0.64	-0.000335	± 2.5	PASS
		VH	TN	1.39	0.000728	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.4	0.001837	± 2.5	PASS
		VN	-20	1.84	0.000994	± 2.5	PASS
		VN	-10	4.49	0.002426	± 2.5	PASS
		VN	0	4.17	0.002253	± 2.5	PASS
		VN	10	-1.77	-0.000956	± 2.5	PASS
		VN	20	0.64	0.000346	± 2.5	PASS
		VN	30	-0.81	-0.000438	± 2.5	PASS
		VN	40	-1.8	-0.000973	± 2.5	PASS
	MCH	VN	-30	-1.61	-0.000856	± 2.5	PASS
		VN	-20	-0.56	-0.000298	± 2.5	PASS

		VN	-10	4.89	0.002601	± 2.5	PASS		
		VN	0	3.53	0.001878	± 2.5	PASS		
		VN	10	-1.42	-0.000755	± 2.5	PASS		
		VN	20	0.58	0.000309	± 2.5	PASS		
		VN	30	1.36	0.000723	± 2.5	PASS		
		VN	40	0.46	0.000245	± 2.5	PASS		
		VN	50	0.68	0.000362	± 2.5	PASS		
	HCH	VN	-30	-0.07	-0.000037	± 2.5	PASS		
		VN	-20	2.15	0.001126	± 2.5	PASS		
		VN	-10	-1.39	-0.000728	± 2.5	PASS		
		VN	0	-2	-0.001048	± 2.5	PASS		
		VN	10	4.24	0.002221	± 2.5	PASS		
		VN	20	-1.88	-0.000985	± 2.5	PASS		
		VN	30	1.58	0.000828	± 2.5	PASS		
		VN	40	1.69	0.000885	± 2.5	PASS		
		VN	50	-0.44	-0.000230	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.48	0.000259	± 2.5	PASS
				VN	-20	1.36	0.000735	± 2.5	PASS
VN	-10			2.16	0.001167	± 2.5	PASS		
VN	0			0.34	0.000184	± 2.5	PASS		
VN	10			-0.77	-0.000416	± 2.5	PASS		
VN	20			1.44	0.000778	± 2.5	PASS		
VN	30			-1.57	-0.000848	± 2.5	PASS		
VN	40			1.19	0.000643	± 2.5	PASS		
VN	50			3.74	0.002021	± 2.5	PASS		
MCH	VN		-30	3.46	0.001840	± 2.5	PASS		
	VN		-20	-0.03	-0.000016	± 2.5	PASS		
	VN		-10	3.01	0.001601	± 2.5	PASS		
	VN		0	0.74	0.000394	± 2.5	PASS		
	VN		10	1.95	0.001037	± 2.5	PASS		
	VN		20	1.91	0.001016	± 2.5	PASS		
	VN		30	4.02	0.002138	± 2.5	PASS		
	VN		40	-1	-0.000532	± 2.5	PASS		
	VN		50	3.95	0.002101	± 2.5	PASS		
HCH	VN		-30	4.14	0.002168	± 2.5	PASS		
	VN		-20	2.27	0.001189	± 2.5	PASS		
	VN		-10	4.11	0.002153	± 2.5	PASS		
	VN		0	2.84	0.001487	± 2.5	PASS		
	VN		10	0.27	0.000141	± 2.5	PASS		
	VN		20	0.28	0.000147	± 2.5	PASS		
	VN		30	-0.1	-0.000052	± 2.5	PASS		

		VN	40	2.51	0.001315	± 2.5	PASS
		VN	50	0.75	0.000393	± 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	4.33	0.002339	± 2.5	PASS
		VN	TN	4.44	0.002398	± 2.5	PASS
		VH	TN	0.91	0.000491	± 2.5	PASS
	MCH	VL	TN	0.01	0.000005	± 2.5	PASS
		VN	TN	-1.41	-0.000750	± 2.5	PASS
		VH	TN	-1.93	-0.001027	± 2.5	PASS
	HCH	VL	TN	0.12	0.000063	± 2.5	PASS
		VN	TN	-1.45	-0.000760	± 2.5	PASS
		VH	TN	-1.14	-0.000597	± 2.5	PASS
16QAM	LCH	VL	TN	2.62	0.001415	± 2.5	PASS
		VN	TN	3.49	0.001885	± 2.5	PASS
		VH	TN	1.51	0.000816	± 2.5	PASS
	MCH	VL	TN	4.65	0.002473	± 2.5	PASS
		VN	TN	-0.83	-0.000441	± 2.5	PASS
		VH	TN	0.48	0.000255	± 2.5	PASS
	HCH	VL	TN	0.72	0.000377	± 2.5	PASS
		VN	TN	1.31	0.000686	± 2.5	PASS
		VH	TN	2.84	0.001488	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.67	0.001442	± 2.5	PASS
		VN	-20	4.67	0.002522	± 2.5	PASS
		VN	-10	-0.13	-0.000070	± 2.5	PASS
		VN	0	-0.4	-0.000216	± 2.5	PASS
		VN	10	0.16	0.000086	± 2.5	PASS
		VN	20	1.79	0.000967	± 2.5	PASS
		VN	30	3.42	0.001847	± 2.5	PASS
		VN	40	3	0.001620	± 2.5	PASS
		VN	50	-1.06	-0.000573	± 2.5	PASS
	MCH	VN	-30	2.21	0.001176	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	2.81	0.001495	± 2.5	PASS

		VN	0	-1.01	-0.000537	± 2.5	PASS		
		VN	10	-0.75	-0.000399	± 2.5	PASS		
		VN	20	0.19	0.000101	± 2.5	PASS		
		VN	30	3.45	0.001835	± 2.5	PASS		
		VN	40	3.43	0.001824	± 2.5	PASS		
		VN	50	3.93	0.002090	± 2.5	PASS		
	HCH	VN	-30	-1.47	-0.000770	± 2.5	PASS		
		VN	-20	1.17	0.000613	± 2.5	PASS		
		VN	-10	5	0.002620	± 2.5	PASS		
		VN	0	4.5	0.002358	± 2.5	PASS		
		VN	10	-1.89	-0.000990	± 2.5	PASS		
		VN	20	-0.39	-0.000204	± 2.5	PASS		
		VN	30	2.2	0.001153	± 2.5	PASS		
		VN	40	4.86	0.002547	± 2.5	PASS		
		VN	50	-0.74	-0.000388	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.95	0.001053	± 2.5	PASS
				VN	-20	0.47	0.000254	± 2.5	PASS
				VN	-10	4.51	0.002436	± 2.5	PASS
VN	0			2.77	0.001496	± 2.5	PASS		
VN	10			-1.59	-0.000859	± 2.5	PASS		
VN	20			4.59	0.002479	± 2.5	PASS		
VN	30			1.72	0.000929	± 2.5	PASS		
VN	40			2.53	0.001366	± 2.5	PASS		
VN	50			-1.5	-0.000810	± 2.5	PASS		
MCH	VN		-30	3.96	0.002106	± 2.5	PASS		
	VN		-20	1.06	0.000564	± 2.5	PASS		
	VN		-10	-1.11	-0.000590	± 2.5	PASS		
	VN		0	4.81	0.002559	± 2.5	PASS		
	VN		10	1.07	0.000569	± 2.5	PASS		
	VN		20	2	0.001064	± 2.5	PASS		
	VN		30	-1.65	-0.000878	± 2.5	PASS		
	VN		40	0.13	0.000069	± 2.5	PASS		
	VN		50	2.19	0.001165	± 2.5	PASS		
HCH	VN		-30	1.68	0.000880	± 2.5	PASS		
	VN		-20	4.71	0.002468	± 2.5	PASS		
	VN		-10	-1.05	-0.000550	± 2.5	PASS		
	VN		0	-1.82	-0.000954	± 2.5	PASS		
	VN		10	3.89	0.002038	± 2.5	PASS		
	VN		20	3.7	0.001939	± 2.5	PASS		
	VN		30	3.18	0.001666	± 2.5	PASS		
	VN		40	2.87	0.001504	± 2.5	PASS		

		VN	50	1.28	0.000671	± 2.5	PASS
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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	-0.46	-0.000248	± 2.5	PASS
		VN	TN	2.24	0.001209	± 2.5	PASS
		VH	TN	2.24	0.001209	± 2.5	PASS
	MCH	VL	TN	-1.37	-0.000729	± 2.5	PASS
		VN	TN	2.35	0.001250	± 2.5	PASS
		VH	TN	4.78	0.002543	± 2.5	PASS
	HCH	VL	TN	4.52	0.002370	± 2.5	PASS
		VN	TN	2.73	0.001431	± 2.5	PASS
		VH	TN	3.91	0.002050	± 2.5	PASS
16QAM	LCH	VL	TN	0.96	0.000518	± 2.5	PASS
		VN	TN	0.03	0.000016	± 2.5	PASS
		VH	TN	2.98	0.001609	± 2.5	PASS
	MCH	VL	TN	0.95	0.000505	± 2.5	PASS
		VN	TN	0.51	0.000271	± 2.5	PASS
		VH	TN	1.89	0.001005	± 2.5	PASS
	HCH	VL	TN	3.54	0.001856	± 2.5	PASS
		VN	TN	1.9	0.000996	± 2.5	PASS
		VH	TN	4.75	0.002490	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.15	-0.000081	± 2.5	PASS
		VN	-20	4.64	0.002505	± 2.5	PASS
		VN	-10	4.52	0.002440	± 2.5	PASS
		VN	0	1.11	0.000599	± 2.5	PASS
		VN	10	0.99	0.000534	± 2.5	PASS
		VN	20	4.27	0.002305	± 2.5	PASS
		VN	30	3.81	0.002057	± 2.5	PASS
		VN	40	0.07	0.000038	± 2.5	PASS
		VN	50	0.97	0.000524	± 2.5	PASS
	MCH	VN	-30	1.91	0.001016	± 2.5	PASS
		VN	-20	3.77	0.002005	± 2.5	PASS
		VN	-10	3.27	0.001739	± 2.5	PASS
		VN	0	4.22	0.002245	± 2.5	PASS

		VN	10	1.25	0.000665	± 2.5	PASS
		VN	20	-1	-0.000532	± 2.5	PASS
		VN	30	0.79	0.000420	± 2.5	PASS
		VN	40	-1.48	-0.000787	± 2.5	PASS
		VN	50	2.95	0.001569	± 2.5	PASS
	HCH	VN	-30	-1.21	-0.000634	± 2.5	PASS
		VN	-20	-0.65	-0.000341	± 2.5	PASS
		VN	-10	3.99	0.002092	± 2.5	PASS
		VN	0	1.64	0.000860	± 2.5	PASS
		VN	10	1.57	0.000823	± 2.5	PASS
		VN	20	1.09	0.000571	± 2.5	PASS
		VN	30	-1.82	-0.000954	± 2.5	PASS
		VN	40	-1.91	-0.001001	± 2.5	PASS
		VN	50	0.78	0.000409	± 2.5	PASS
		16QAM	LCH	VN	-30	4.27	0.002305
VN	-20			3.1	0.001673	± 2.5	PASS
VN	-10			1.95	0.001053	± 2.5	PASS
VN	0			-0.35	-0.000189	± 2.5	PASS
VN	10			4.09	0.002208	± 2.5	PASS
VN	20			1.92	0.001036	± 2.5	PASS
VN	30			3.28	0.001771	± 2.5	PASS
VN	40			4.17	0.002251	± 2.5	PASS
VN	50			0.01	0.000005	± 2.5	PASS
MCH	VN		-30	-1.33	-0.000707	± 2.5	PASS
	VN		-20	0.58	0.000309	± 2.5	PASS
	VN		-10	-1.85	-0.000984	± 2.5	PASS
	VN		0	-1.52	-0.000809	± 2.5	PASS
	VN		10	2.31	0.001229	± 2.5	PASS
	VN		20	1.89	0.001005	± 2.5	PASS
	VN		30	-1.65	-0.000878	± 2.5	PASS
	VN		40	3.57	0.001899	± 2.5	PASS
	VN		50	0.39	0.000207	± 2.5	PASS
HCH	VN		-30	0	0.000000	± 2.5	PASS
	VN		-20	-0.02	-0.000010	± 2.5	PASS
	VN		-10	1.26	0.000661	± 2.5	PASS
	VN		0	3.58	0.001877	± 2.5	PASS
	VN		10	-0.49	-0.000257	± 2.5	PASS
	VN		20	-1.71	-0.000896	± 2.5	PASS
	VN		30	1.54	0.000807	± 2.5	PASS
	VN		40	3.78	0.001982	± 2.5	PASS
	VN		50	2.82	0.001478	± 2.5	PASS

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	3.13	0.001687	± 2.5	PASS
		VN	TN	0.7	0.000377	± 2.5	PASS
		VH	TN	0.28	0.000151	± 2.5	PASS
	MCH	VL	TN	4.05	0.002154	± 2.5	PASS
		VN	TN	3.71	0.001973	± 2.5	PASS
		VH	TN	4.58	0.002436	± 2.5	PASS
	HCH	VL	TN	1.69	0.000887	± 2.5	PASS
		VN	TN	3.47	0.001822	± 2.5	PASS
		VH	TN	2.95	0.001549	± 2.5	PASS
16QAM	LCH	VL	TN	-1.1	-0.000593	± 2.5	PASS
		VN	TN	4.9	0.002642	± 2.5	PASS
		VH	TN	0.29	0.000156	± 2.5	PASS
	MCH	VL	TN	4.51	0.002399	± 2.5	PASS
		VN	TN	-0.55	-0.000293	± 2.5	PASS
		VH	TN	4.33	0.002303	± 2.5	PASS
	HCH	VL	TN	4.97	0.002609	± 2.5	PASS
		VN	TN	0.1	0.000052	± 2.5	PASS
		VH	TN	2.1	0.001102	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.47	0.001332	± 2.5	PASS
		VN	-20	3.02	0.001628	± 2.5	PASS
		VN	-10	0.89	0.000480	± 2.5	PASS
		VN	0	-1.57	-0.000846	± 2.5	PASS
		VN	10	2.21	0.001191	± 2.5	PASS
		VN	20	1.65	0.000889	± 2.5	PASS
		VN	30	3.59	0.001935	± 2.5	PASS
		VN	40	2.81	0.001515	± 2.5	PASS
		VN	50	-1.58	-0.000852	± 2.5	PASS
	MCH	VN	-30	-1.98	-0.001053	± 2.5	PASS
		VN	-20	2.53	0.001346	± 2.5	PASS
		VN	-10	-1.21	-0.000644	± 2.5	PASS
		VN	0	4.73	0.002516	± 2.5	PASS
		VN	10	1.14	0.000606	± 2.5	PASS
		VN	20	3.78	0.002011	± 2.5	PASS

		VN	30	0.15	0.000080	± 2.5	PASS
		VN	40	-1.69	-0.000899	± 2.5	PASS
		VN	50	-0.72	-0.000383	± 2.5	PASS
	HCH	VN	-30	1.25	0.000656	± 2.5	PASS
		VN	-20	-0.87	-0.000457	± 2.5	PASS
		VN	-10	-0.46	-0.000241	± 2.5	PASS
		VN	0	-0.6	-0.000315	± 2.5	PASS
		VN	10	-0.14	-0.000073	± 2.5	PASS
		VN	20	1.88	0.000987	± 2.5	PASS
		VN	30	2.31	0.001213	± 2.5	PASS
		VN	40	1.72	0.000903	± 2.5	PASS
		VN	50	0.4	0.000210	± 2.5	PASS
QPSK	LCH	VN	-30	-0.64	-0.000345	± 2.5	PASS
		VN	-20	3.12	0.001682	± 2.5	PASS
		VN	-10	2.09	0.001127	± 2.5	PASS
		VN	0	3.15	0.001698	± 2.5	PASS
		VN	10	4.43	0.002388	± 2.5	PASS
		VN	20	1.62	0.000873	± 2.5	PASS
		VN	30	2.81	0.001515	± 2.5	PASS
		VN	40	-0.25	-0.000135	± 2.5	PASS
	MCH	VN	50	-1.81	-0.000976	± 2.5	PASS
		VN	-30	-0.1	-0.000053	± 2.5	PASS
		VN	-20	-1.1	-0.000585	± 2.5	PASS
		VN	-10	1.25	0.000665	± 2.5	PASS
		VN	0	2.69	0.001431	± 2.5	PASS
		VN	10	-0.45	-0.000239	± 2.5	PASS
		VN	20	4.07	0.002165	± 2.5	PASS
		VN	30	1.71	0.000910	± 2.5	PASS
		VN	40	1.71	0.000910	± 2.5	PASS
	HCH	VN	50	1.59	0.000846	± 2.5	PASS
		VN	-30	3.48	0.001827	± 2.5	PASS
		VN	-20	-0.91	-0.000478	± 2.5	PASS
		VN	-10	3.46	0.001816	± 2.5	PASS
		VN	0	-1.5	-0.000787	± 2.5	PASS
		VN	10	2.16	0.001134	± 2.5	PASS
		VN	20	0.13	0.000068	± 2.5	PASS
VN		30	0.86	0.000451	± 2.5	PASS	
VN	40	4.99	0.002619	± 2.5	PASS		
VN	50	3.35	0.001759	± 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	2.43	0.001308	± 2.5	PASS
		VN	TN	-1.44	-0.000775	± 2.5	PASS
		VH	TN	4.21	0.002266	± 2.5	PASS
	MCH	VL	TN	4.97	0.002644	± 2.5	PASS
		VN	TN	-0.6	-0.000319	± 2.5	PASS
		VH	TN	3.13	0.001665	± 2.5	PASS
	HCH	VL	TN	2.81	0.001477	± 2.5	PASS
		VN	TN	4.42	0.002323	± 2.5	PASS
		VH	TN	3.4	0.001787	± 2.5	PASS
16QAM	LCH	VL	TN	4.66	0.002509	± 2.5	PASS
		VN	TN	4.76	0.002563	± 2.5	PASS
		VH	TN	3.23	0.001739	± 2.5	PASS
	MCH	VL	TN	0.34	0.000181	± 2.5	PASS
		VN	TN	1.17	0.000622	± 2.5	PASS
		VH	TN	2.13	0.001133	± 2.5	PASS
	HCH	VL	TN	1.39	0.000731	± 2.5	PASS
		VN	TN	4.2	0.002208	± 2.5	PASS
		VH	TN	-0.75	-0.000394	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.12	0.002218	± 2.5	PASS
		VN	-20	3.89	0.002094	± 2.5	PASS
		VN	-10	-0.64	-0.000345	± 2.5	PASS
		VN	0	1.54	0.000829	± 2.5	PASS
		VN	10	1.42	0.000764	± 2.5	PASS
		VN	20	2.57	0.001384	± 2.5	PASS
		VN	30	2.33	0.001254	± 2.5	PASS
		VN	40	-1.29	-0.000694	± 2.5	PASS
		VN	50	4.22	0.002272	± 2.5	PASS
	MCH	VN	-30	1.06	0.000564	± 2.5	PASS
		VN	-20	3.91	0.002080	± 2.5	PASS
		VN	-10	-1.69	-0.000899	± 2.5	PASS
		VN	0	0.62	0.000330	± 2.5	PASS
		VN	10	0.83	0.000441	± 2.5	PASS
		VN	20	4.87	0.002590	± 2.5	PASS

		VN	30	1.63	0.000867	± 2.5	PASS
		VN	40	4.91	0.002612	± 2.5	PASS
		VN	50	1.92	0.001021	± 2.5	PASS
	HCH	VN	-30	-0.34	-0.000179	± 2.5	PASS
		VN	-20	1.01	0.000531	± 2.5	PASS
		VN	-10	-1.16	-0.000610	± 2.5	PASS
		VN	0	1.31	0.000689	± 2.5	PASS
		VN	10	-0.67	-0.000352	± 2.5	PASS
		VN	20	3.03	0.001593	± 2.5	PASS
		VN	30	1.24	0.000652	± 2.5	PASS
		VN	40	1.99	0.001046	± 2.5	PASS
		VN	50	4.21	0.002213	± 2.5	PASS
16QAM	LCH	VN	-30	3.93	0.002116	± 2.5	PASS
		VN	-20	4.45	0.002396	± 2.5	PASS
		VN	-10	-0.17	-0.000092	± 2.5	PASS
		VN	0	3.99	0.002148	± 2.5	PASS
		VN	10	-1.85	-0.000996	± 2.5	PASS
		VN	20	4.93	0.002654	± 2.5	PASS
		VN	30	-0.06	-0.000032	± 2.5	PASS
		VN	40	4.88	0.002627	± 2.5	PASS
		VN	50	1.18	0.000635	± 2.5	PASS
	MCH	VN	-30	0.54	0.000287	± 2.5	PASS
		VN	-20	0.1	0.000053	± 2.5	PASS
		VN	-10	4	0.002128	± 2.5	PASS
		VN	0	3.19	0.001697	± 2.5	PASS
		VN	10	1.87	0.000995	± 2.5	PASS
		VN	20	0.59	0.000314	± 2.5	PASS
		VN	30	2.32	0.001234	± 2.5	PASS
		VN	40	3.23	0.001718	± 2.5	PASS
		VN	50	0.48	0.000255	± 2.5	PASS
	HCH	VN	-30	-1.61	-0.000846	± 2.5	PASS
		VN	-20	-0.45	-0.000237	± 2.5	PASS
		VN	-10	0.56	0.000294	± 2.5	PASS
		VN	0	4.4	0.002313	± 2.5	PASS
		VN	10	0.34	0.000179	± 2.5	PASS
		VN	20	2.94	0.001545	± 2.5	PASS
		VN	30	-1.87	-0.000983	± 2.5	PASS
		VN	40	1.58	0.000830	± 2.5	PASS
		VN	50	0.64	0.000336	± 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	4.95	0.002661	± 2.5	PASS
		VN	TN	3.77	0.002027	± 2.5	PASS
		VH	TN	3.8	0.002043	± 2.5	PASS
	MCH	VL	TN	3.03	0.001612	± 2.5	PASS
		VN	TN	-1.98	-0.001053	± 2.5	PASS
		VH	TN	4.4	0.002340	± 2.5	PASS
	HCH	VL	TN	0.39	0.000205	± 2.5	PASS
		VN	TN	2.05	0.001079	± 2.5	PASS
		VH	TN	4.65	0.002447	± 2.5	PASS
16QAM	LCH	VL	TN	3.31	0.001780	± 2.5	PASS
		VN	TN	3.11	0.001672	± 2.5	PASS
		VH	TN	1.32	0.000710	± 2.5	PASS
	MCH	VL	TN	-0.81	-0.000431	± 2.5	PASS
		VN	TN	1.5	0.000798	± 2.5	PASS
		VH	TN	-0.66	-0.000351	± 2.5	PASS
	HCH	VL	TN	2.77	0.001458	± 2.5	PASS
		VN	TN	-1.92	-0.001011	± 2.5	PASS
		VH	TN	3.01	0.001584	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.32	0.000172	± 2.5	PASS
		VN	-20	2.68	0.001441	± 2.5	PASS
		VN	-10	-0.32	-0.000172	± 2.5	PASS
		VN	0	-1.74	-0.000935	± 2.5	PASS
		VN	10	-0.25	-0.000134	± 2.5	PASS
		VN	20	3.75	0.002016	± 2.5	PASS
		VN	30	1.56	0.000839	± 2.5	PASS
		VN	40	3.97	0.002134	± 2.5	PASS
		VN	50	2.93	0.001575	± 2.5	PASS
	MCH	VN	-30	1.19	0.000633	± 2.5	PASS
		VN	-20	4.85	0.002580	± 2.5	PASS
		VN	-10	2.36	0.001255	± 2.5	PASS
		VN	0	3.09	0.001644	± 2.5	PASS
		VN	10	3.81	0.002027	± 2.5	PASS
		VN	20	-0.76	-0.000404	± 2.5	PASS

		VN	30	0.84	0.000447	± 2.5	PASS
		VN	40	-1.64	-0.000872	± 2.5	PASS
		VN	50	-0.07	-0.000037	± 2.5	PASS
	HCH	VN	-30	0.15	0.000079	± 2.5	PASS
		VN	-20	1.23	0.000647	± 2.5	PASS
		VN	-10	4.76	0.002505	± 2.5	PASS
		VN	0	-0.24	-0.000126	± 2.5	PASS
		VN	10	2.43	0.001279	± 2.5	PASS
		VN	20	3.94	0.002074	± 2.5	PASS
		VN	30	4.71	0.002479	± 2.5	PASS
		VN	40	3.66	0.001926	± 2.5	PASS
		VN	50	3.36	0.001768	± 2.5	PASS
16QAM	LCH	VN	-30	2.83	0.001522	± 2.5	PASS
		VN	-20	4.29	0.002306	± 2.5	PASS
		VN	-10	2.34	0.001258	± 2.5	PASS
		VN	0	3.93	0.002113	± 2.5	PASS
		VN	10	-1.58	-0.000849	± 2.5	PASS
		VN	20	4.91	0.002640	± 2.5	PASS
		VN	30	-1.08	-0.000581	± 2.5	PASS
		VN	40	2.86	0.001538	± 2.5	PASS
	MCH	VN	50	4.47	0.002403	± 2.5	PASS
		VN	-30	2.21	0.001176	± 2.5	PASS
		VN	-20	0.75	0.000399	± 2.5	PASS
		VN	-10	2.86	0.001521	± 2.5	PASS
		VN	0	-0.2	-0.000106	± 2.5	PASS
		VN	10	2.26	0.001202	± 2.5	PASS
		VN	20	-0.71	-0.000378	± 2.5	PASS
		VN	30	1.77	0.000941	± 2.5	PASS
		VN	40	3.15	0.001676	± 2.5	PASS
	HCH	VN	50	0.01	0.000005	± 2.5	PASS
		VN	-30	3.05	0.001605	± 2.5	PASS
		VN	-20	2.74	0.001442	± 2.5	PASS
		VN	-10	4.76	0.002505	± 2.5	PASS
		VN	0	1.68	0.000884	± 2.5	PASS
		VN	10	1.34	0.000705	± 2.5	PASS
		VN	20	-1.31	-0.000689	± 2.5	PASS
		VN	30	-1.91	-0.001005	± 2.5	PASS
	VN	40	4.68	0.002463	± 2.5	PASS	
	VN	50	1.75	0.000921	± 2.5	PASS	