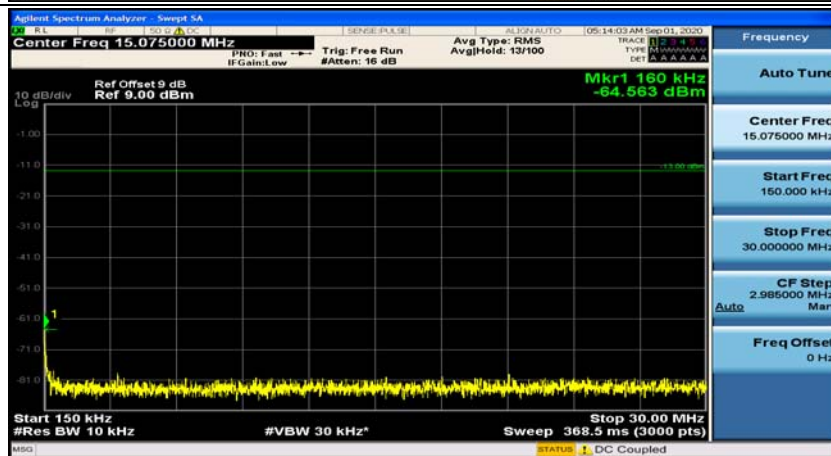
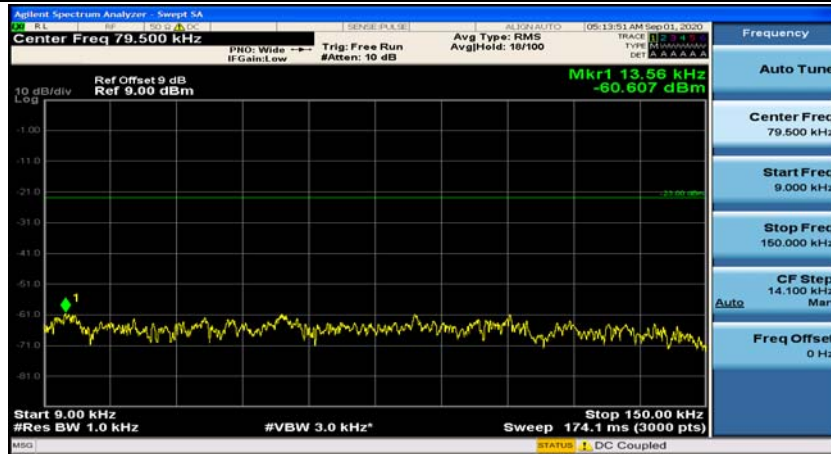
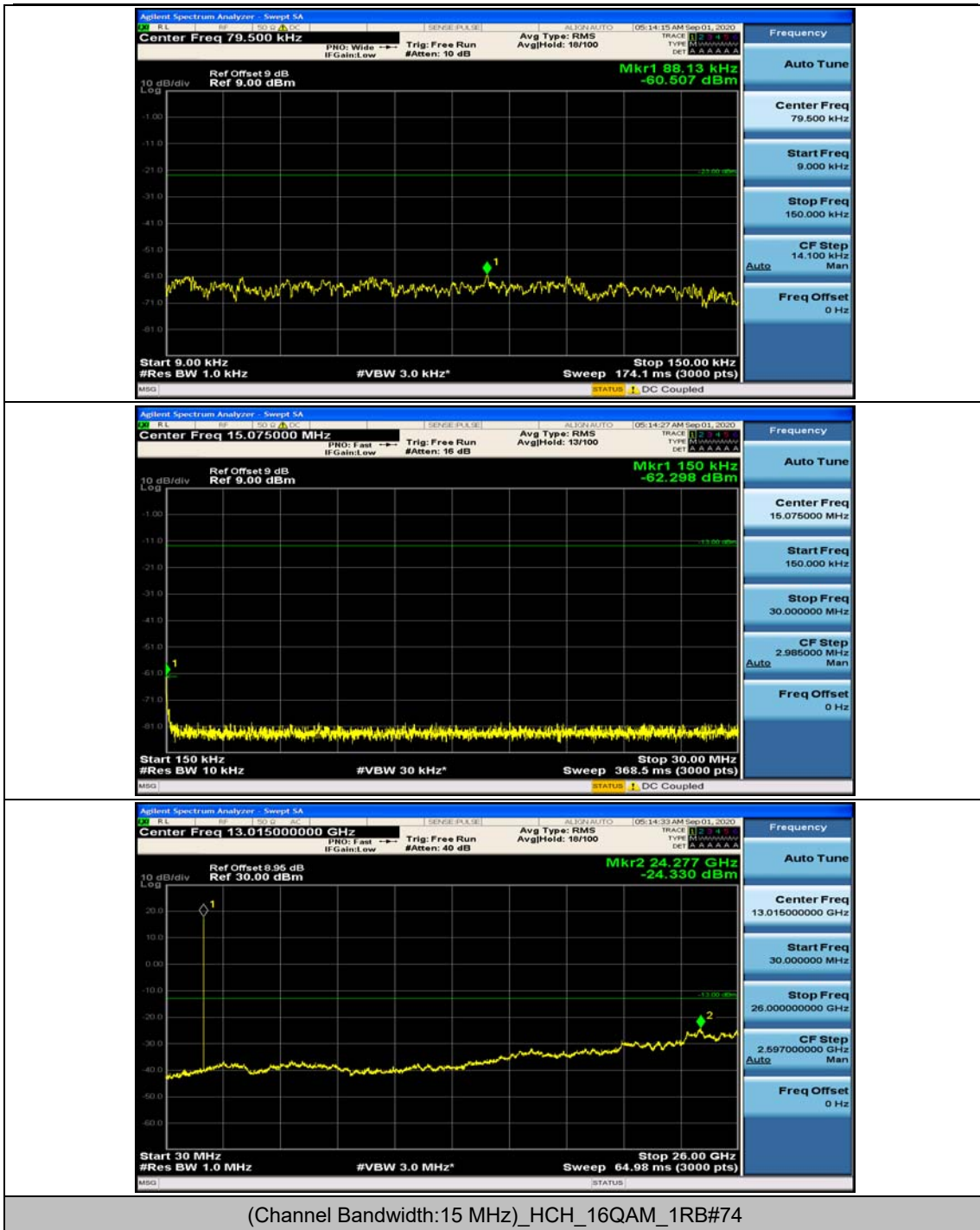
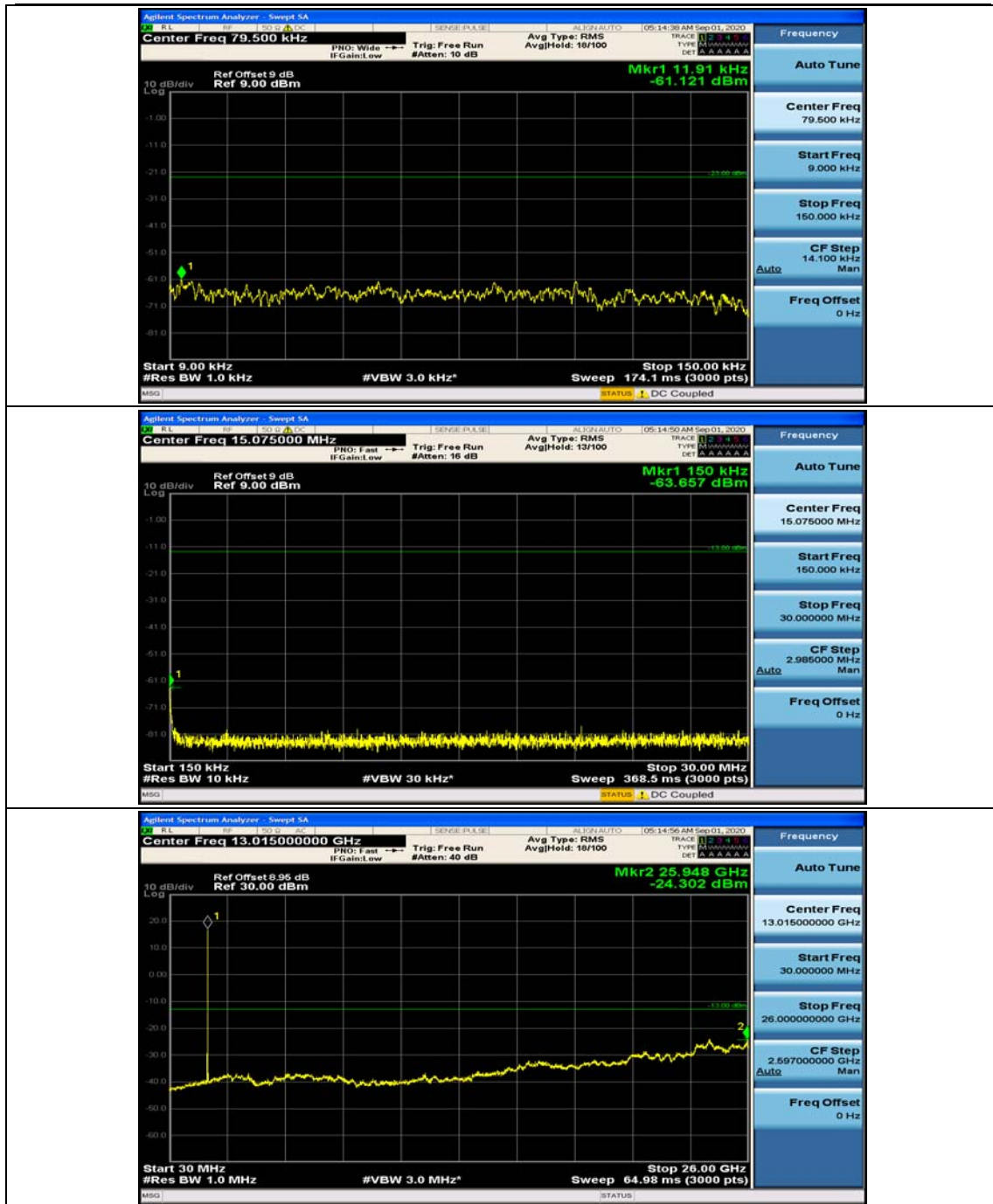


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

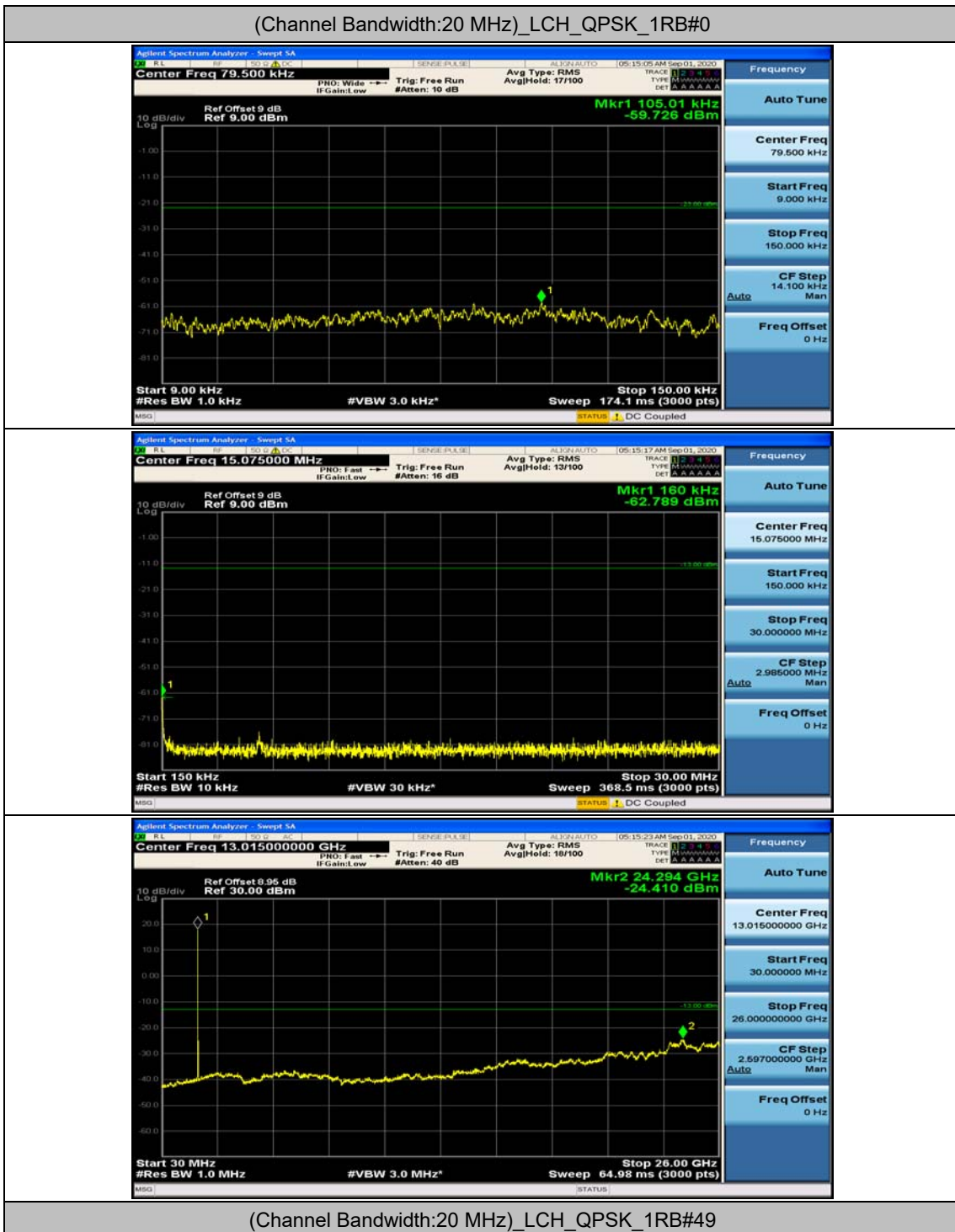


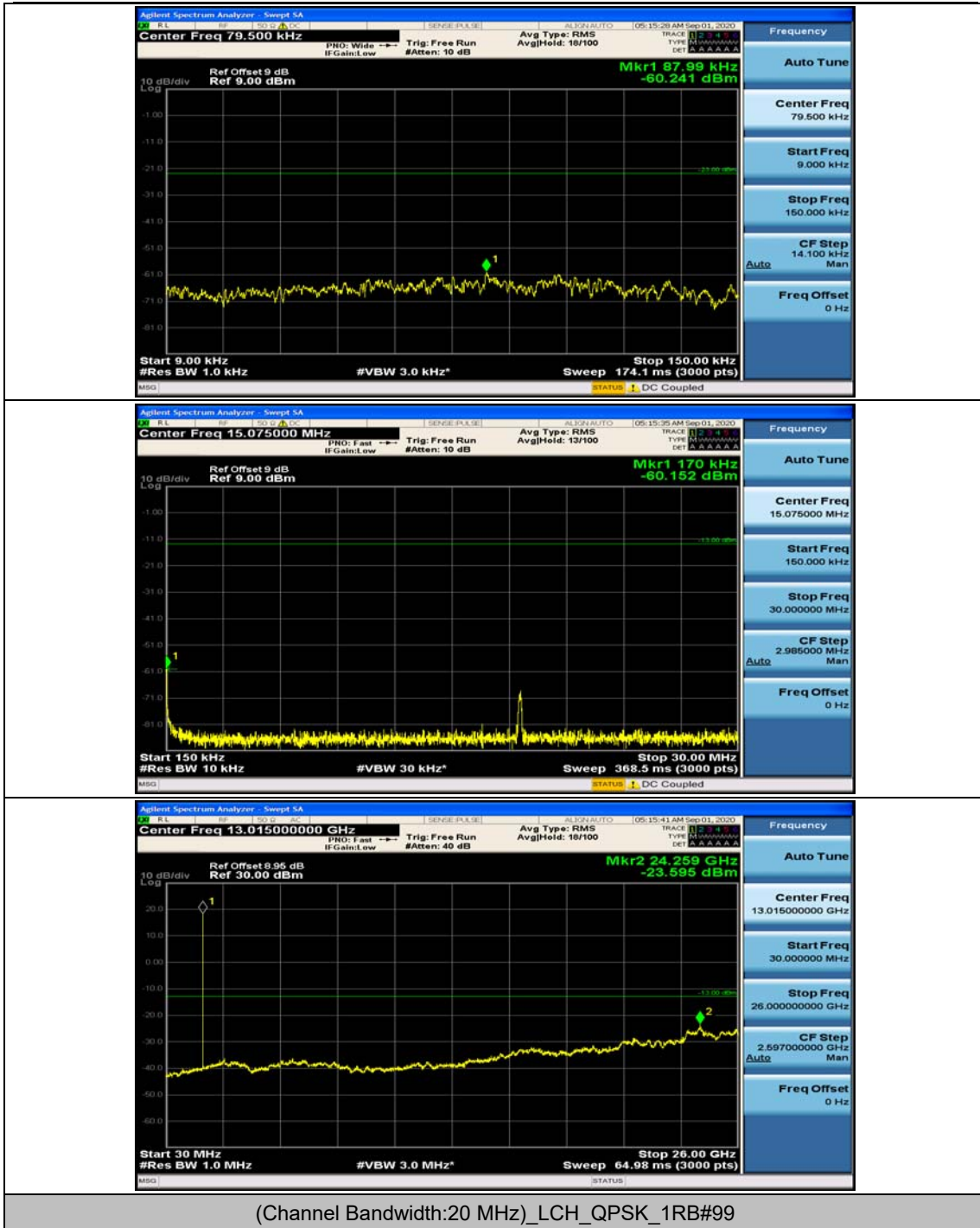
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

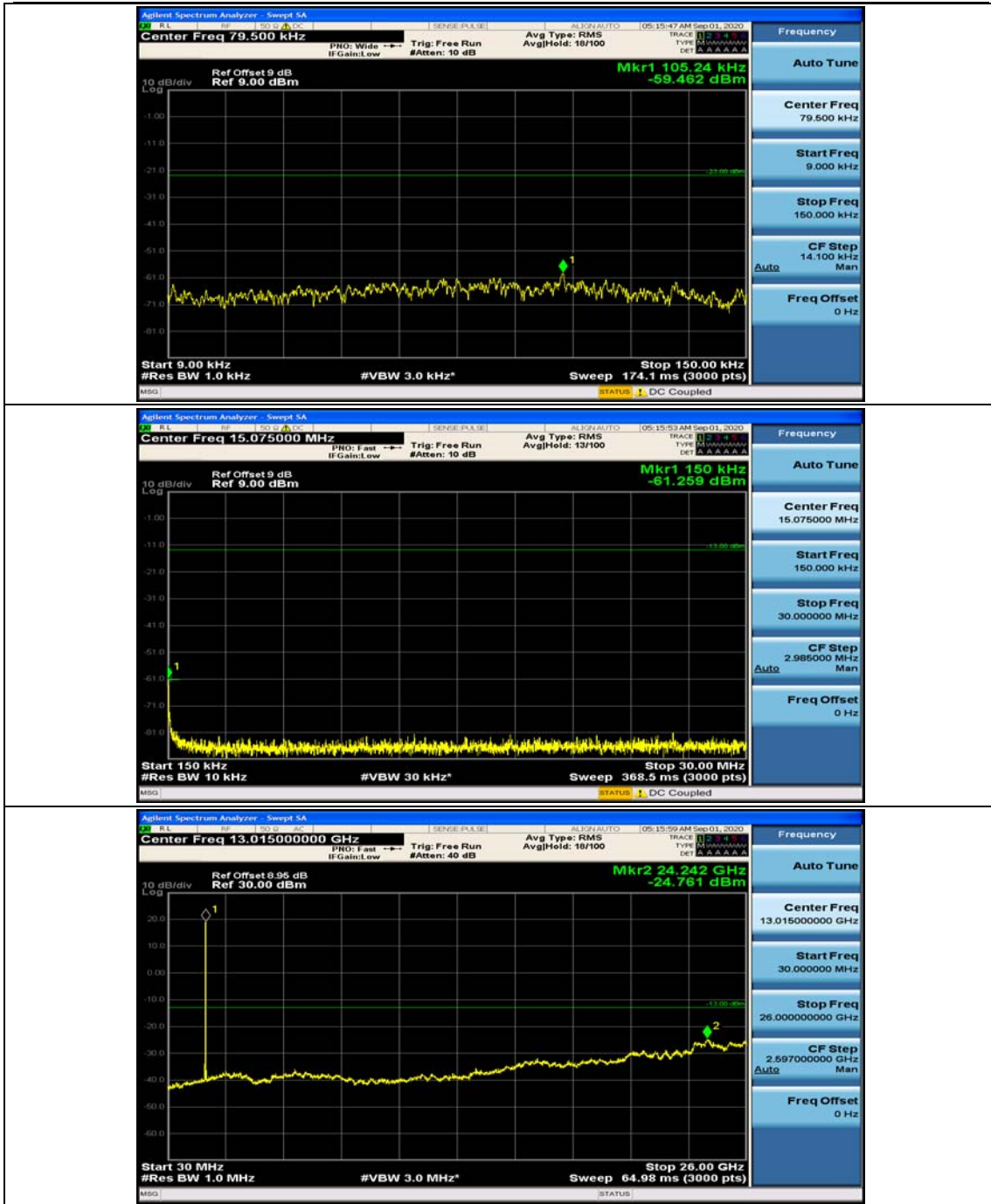




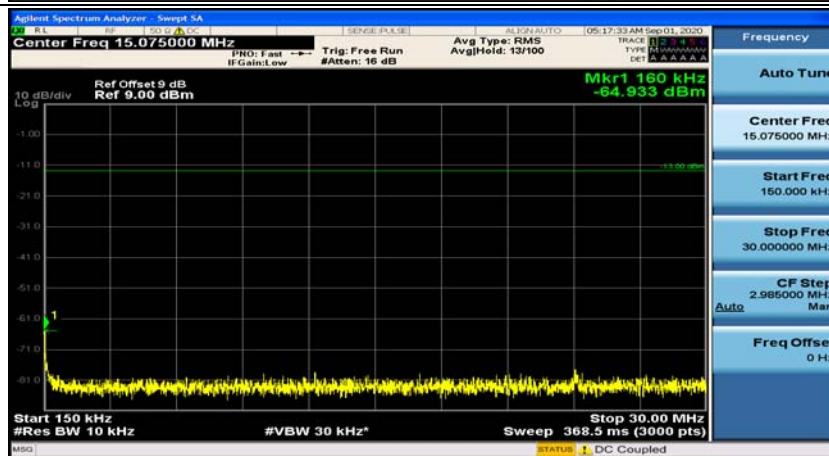
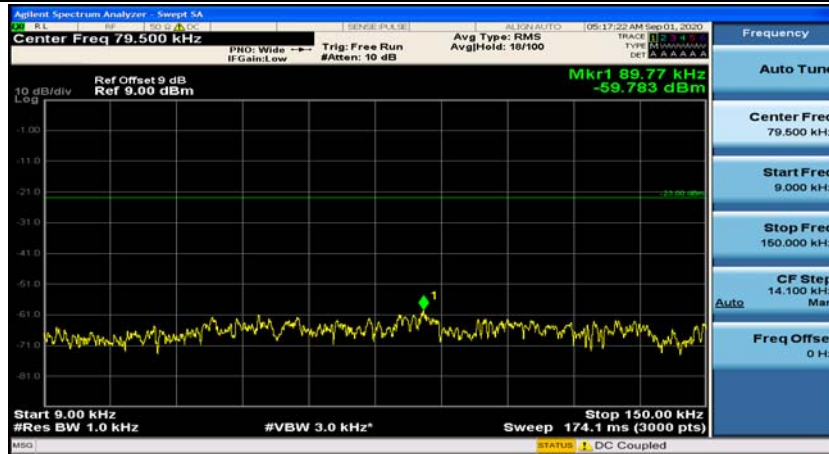
Channel Bandwidth: 20 MHz



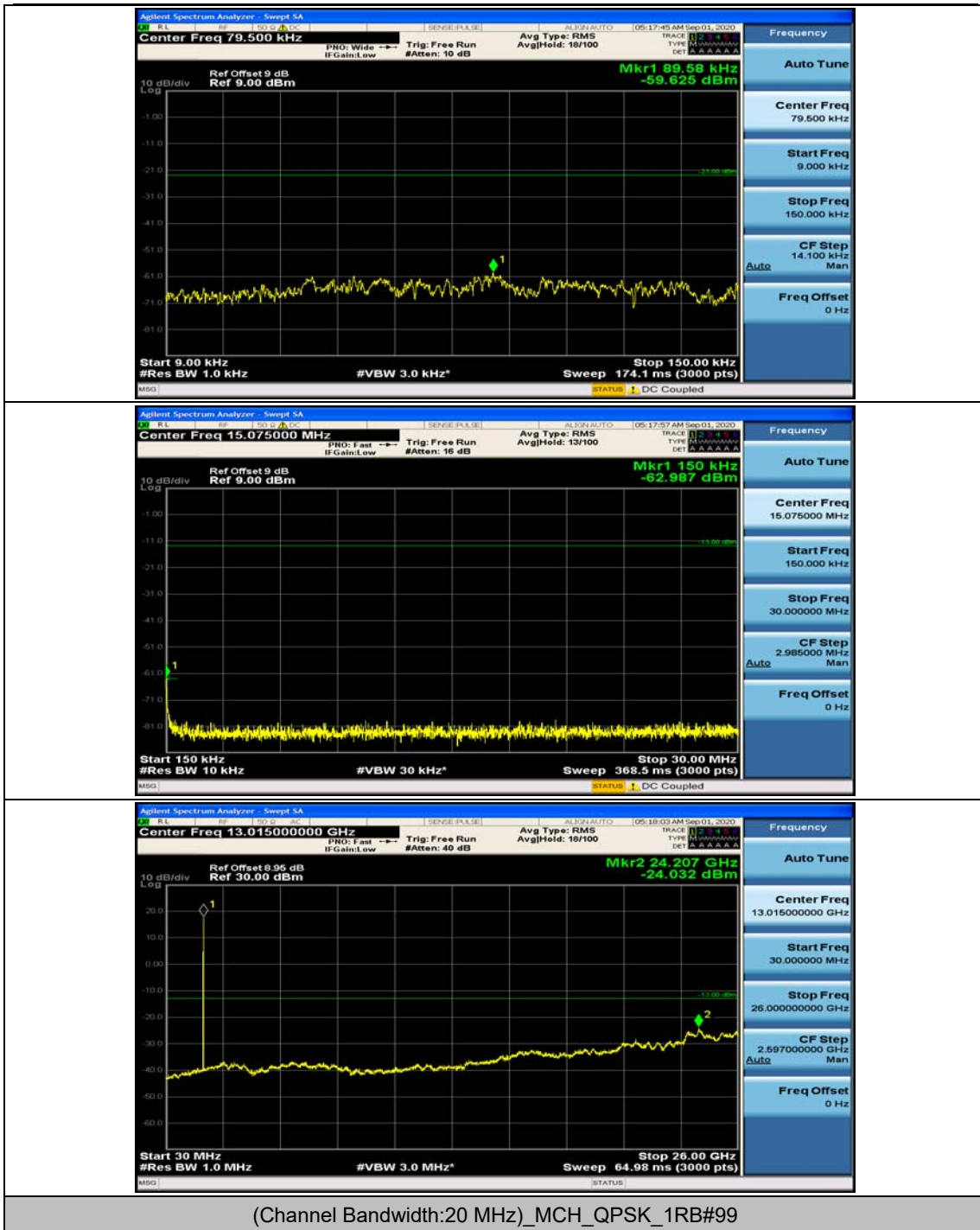


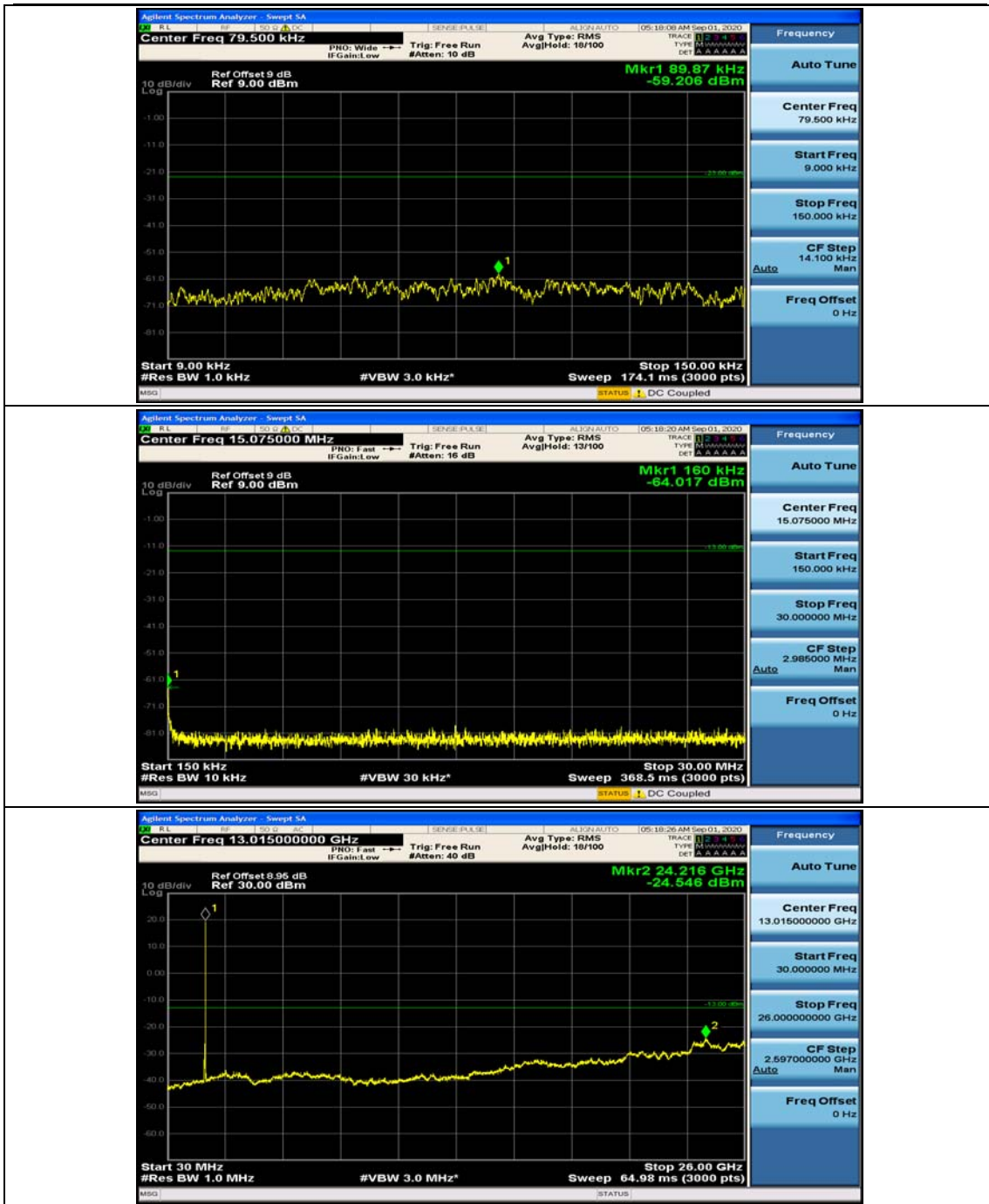


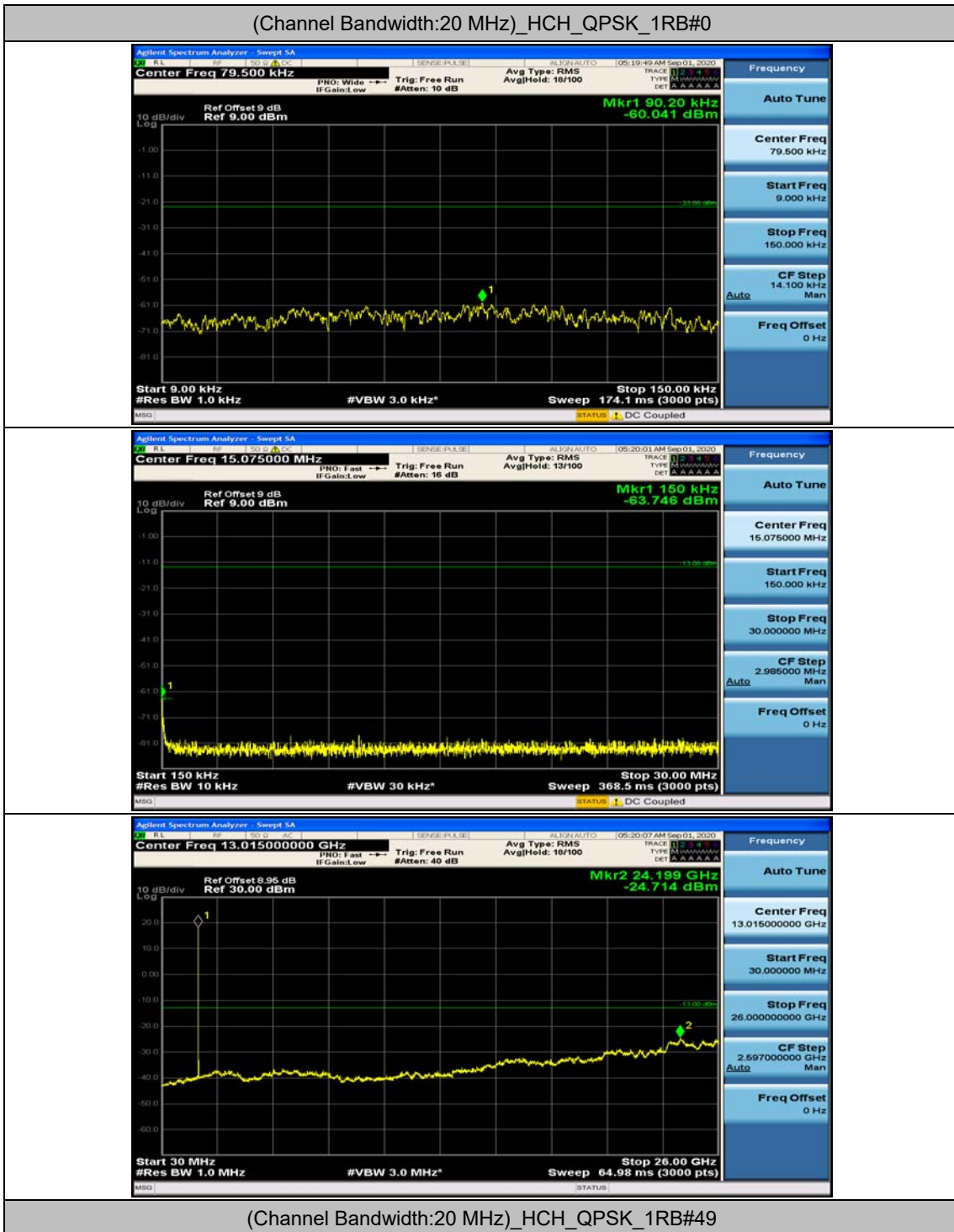
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

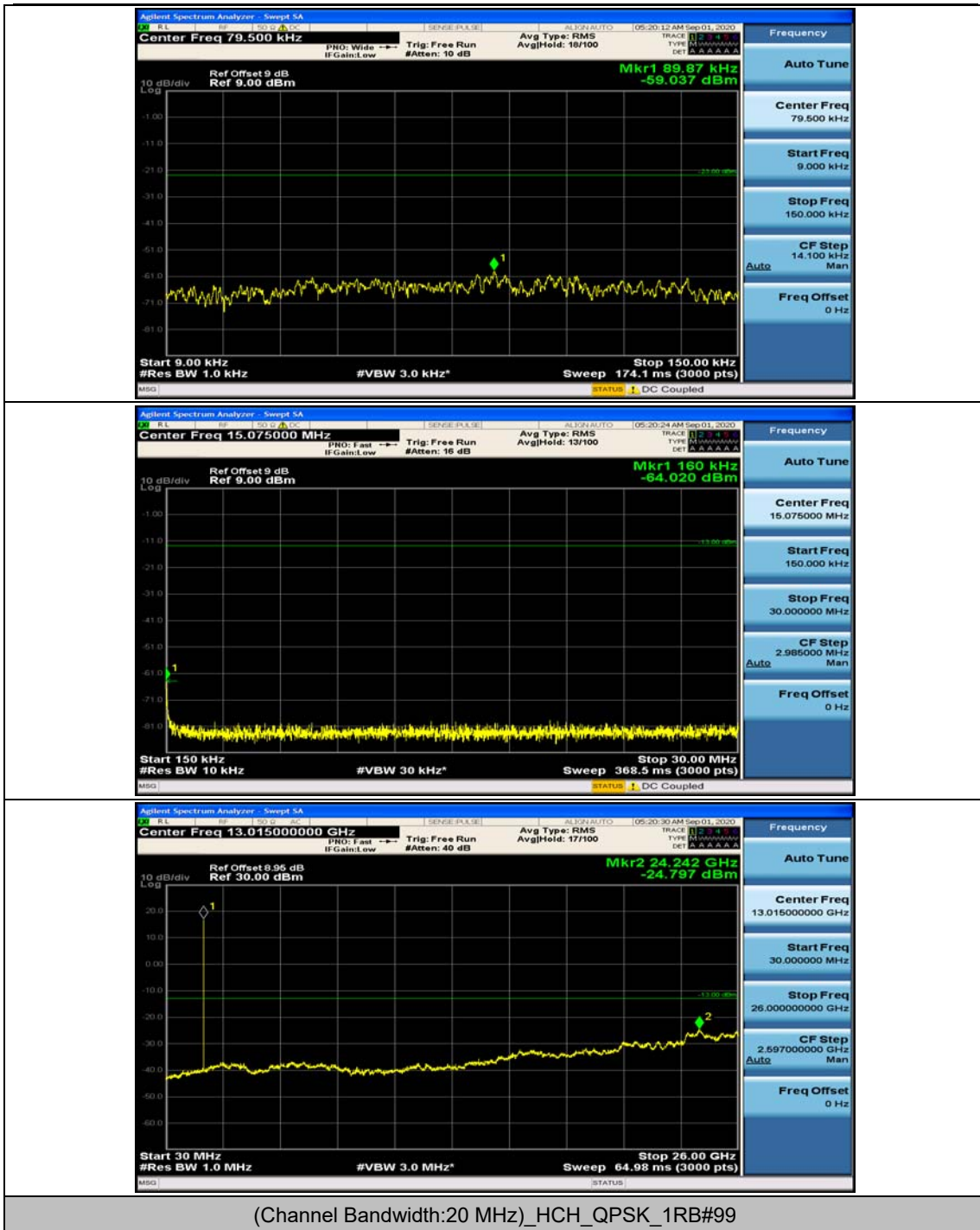


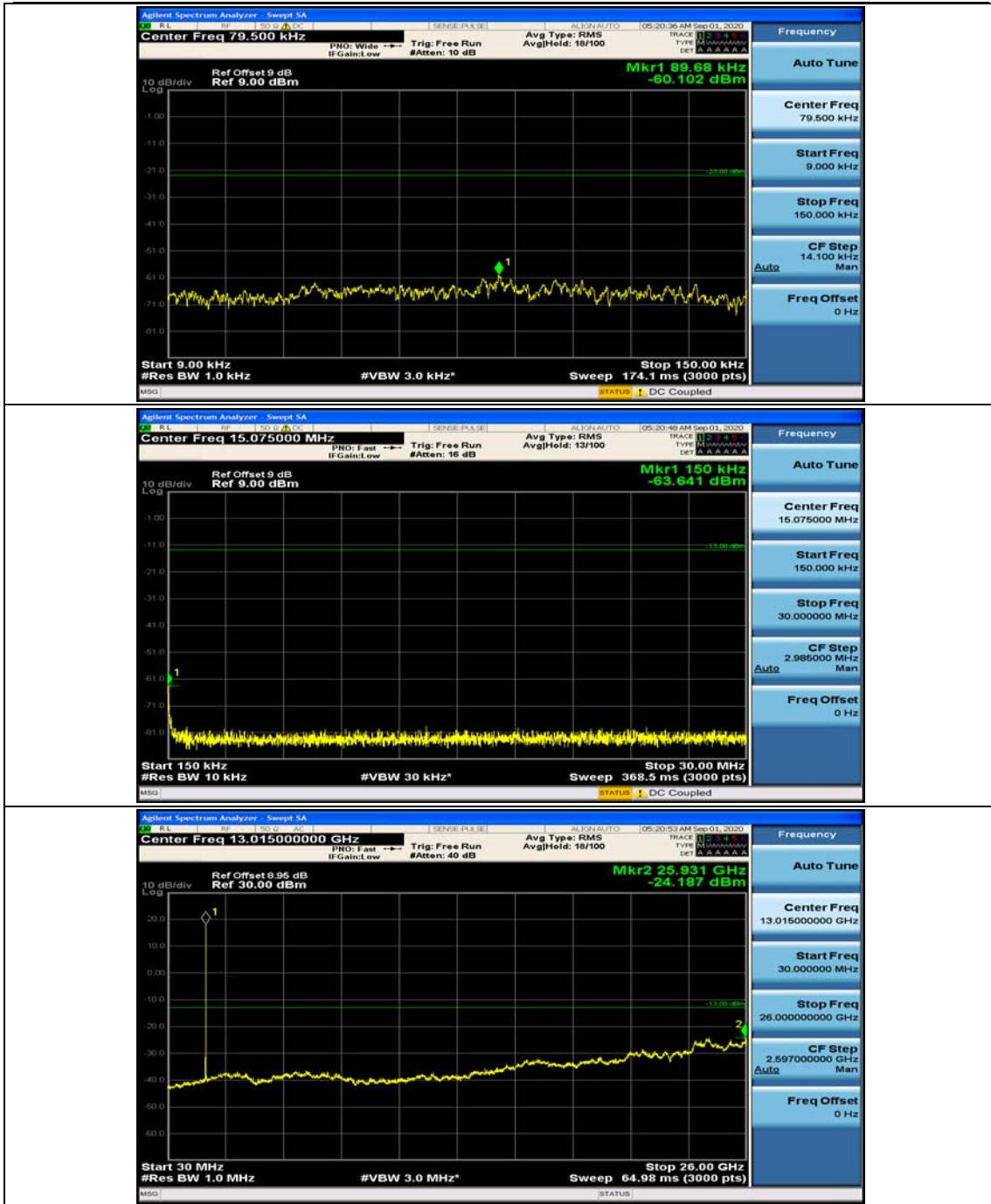
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

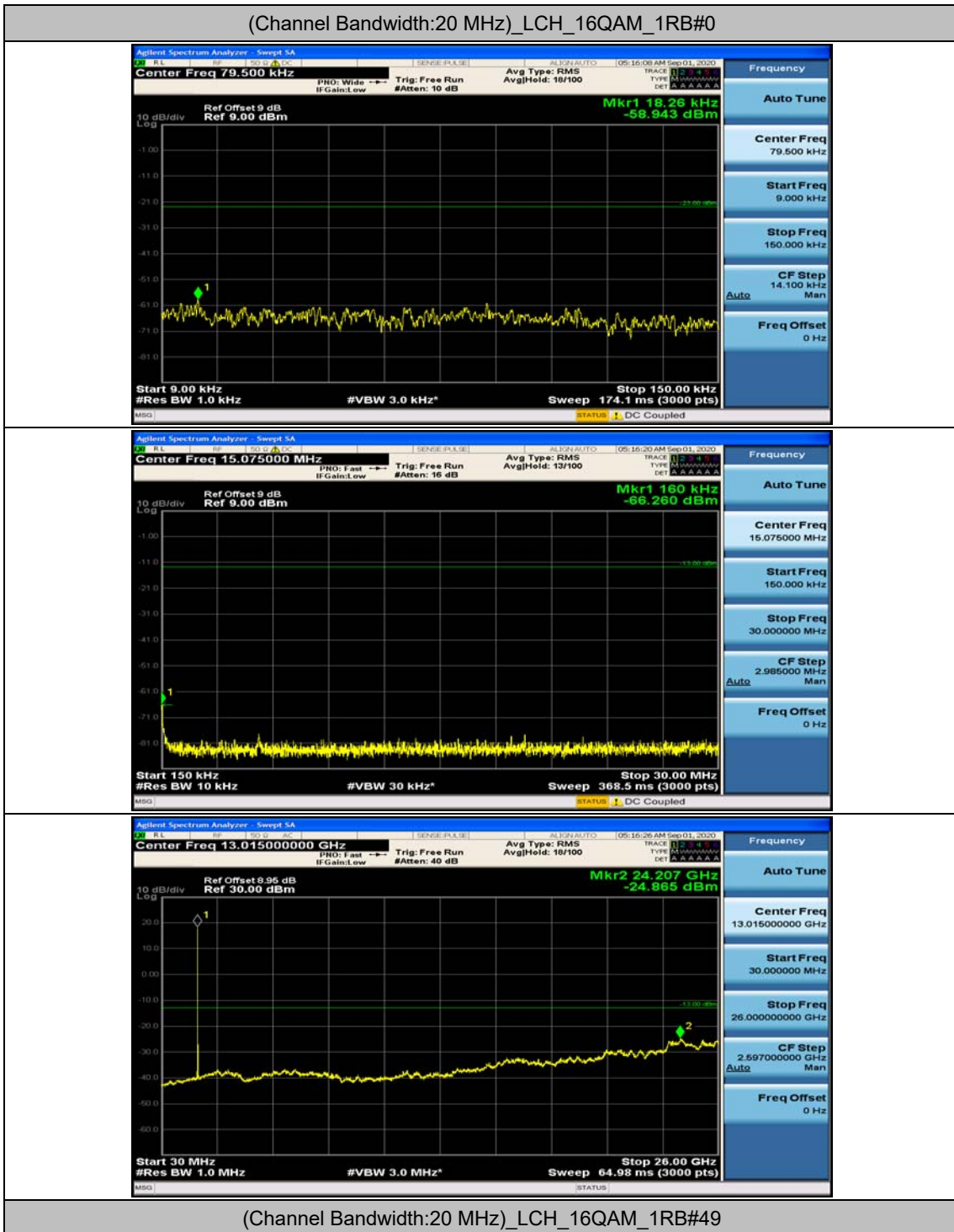


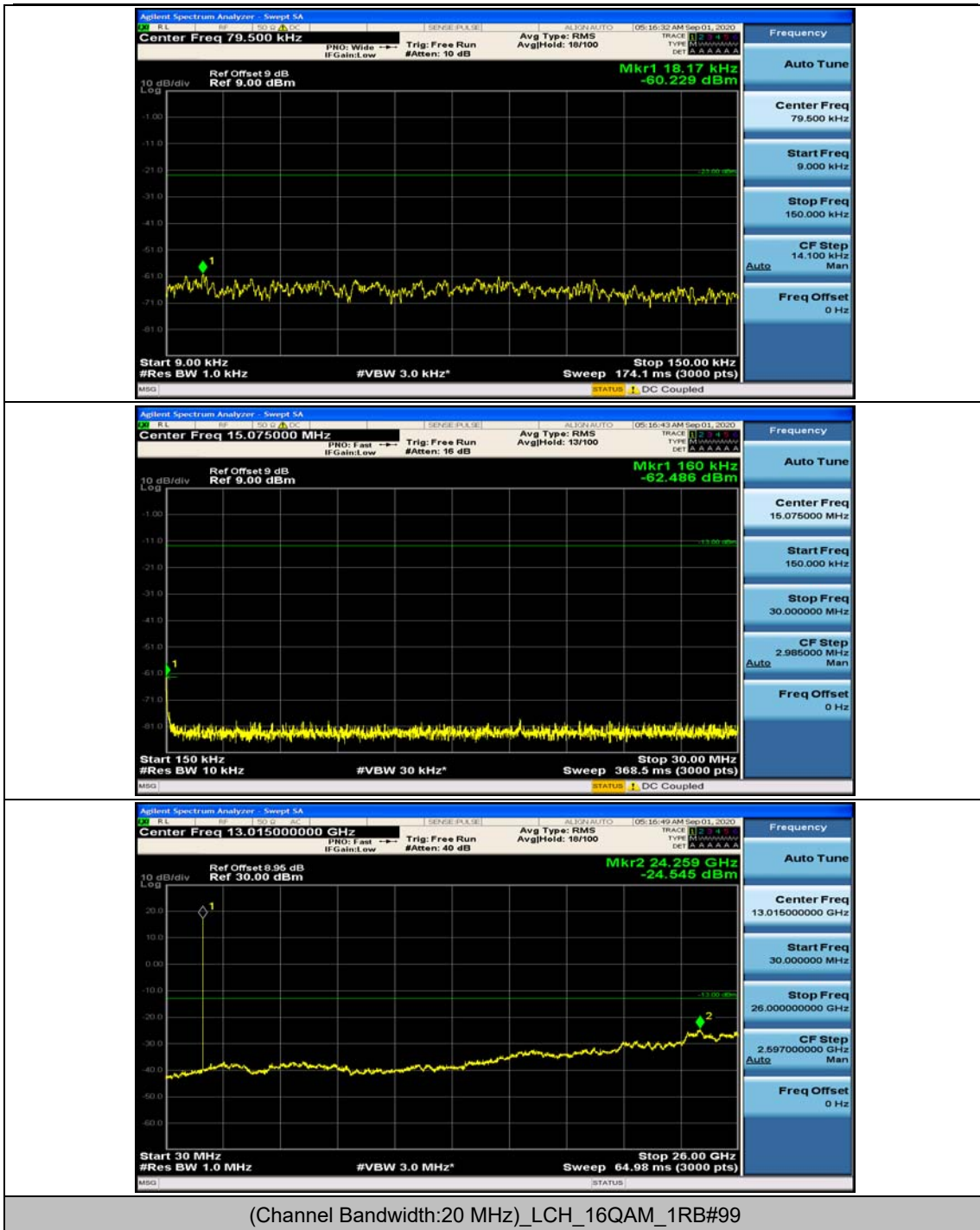


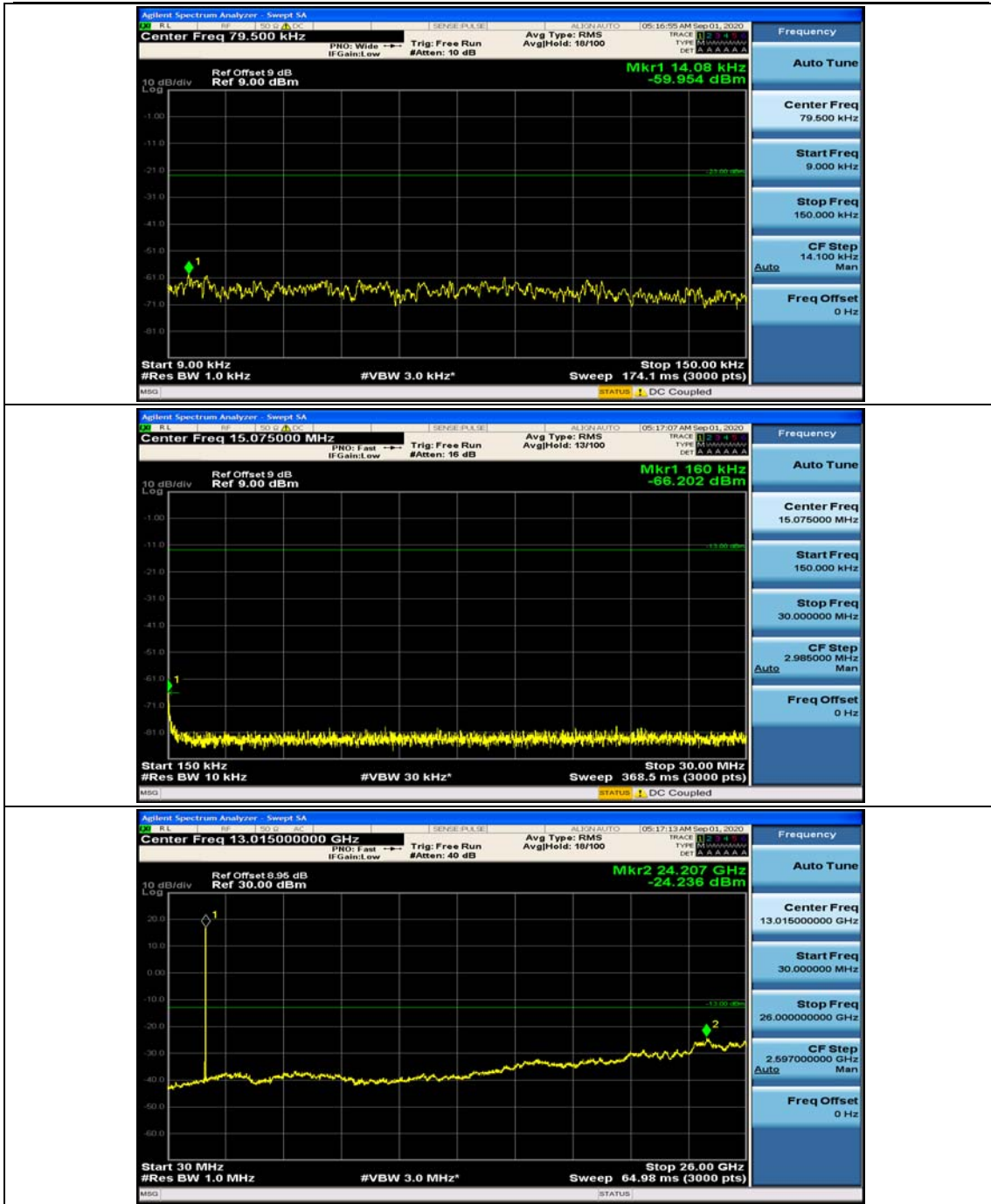


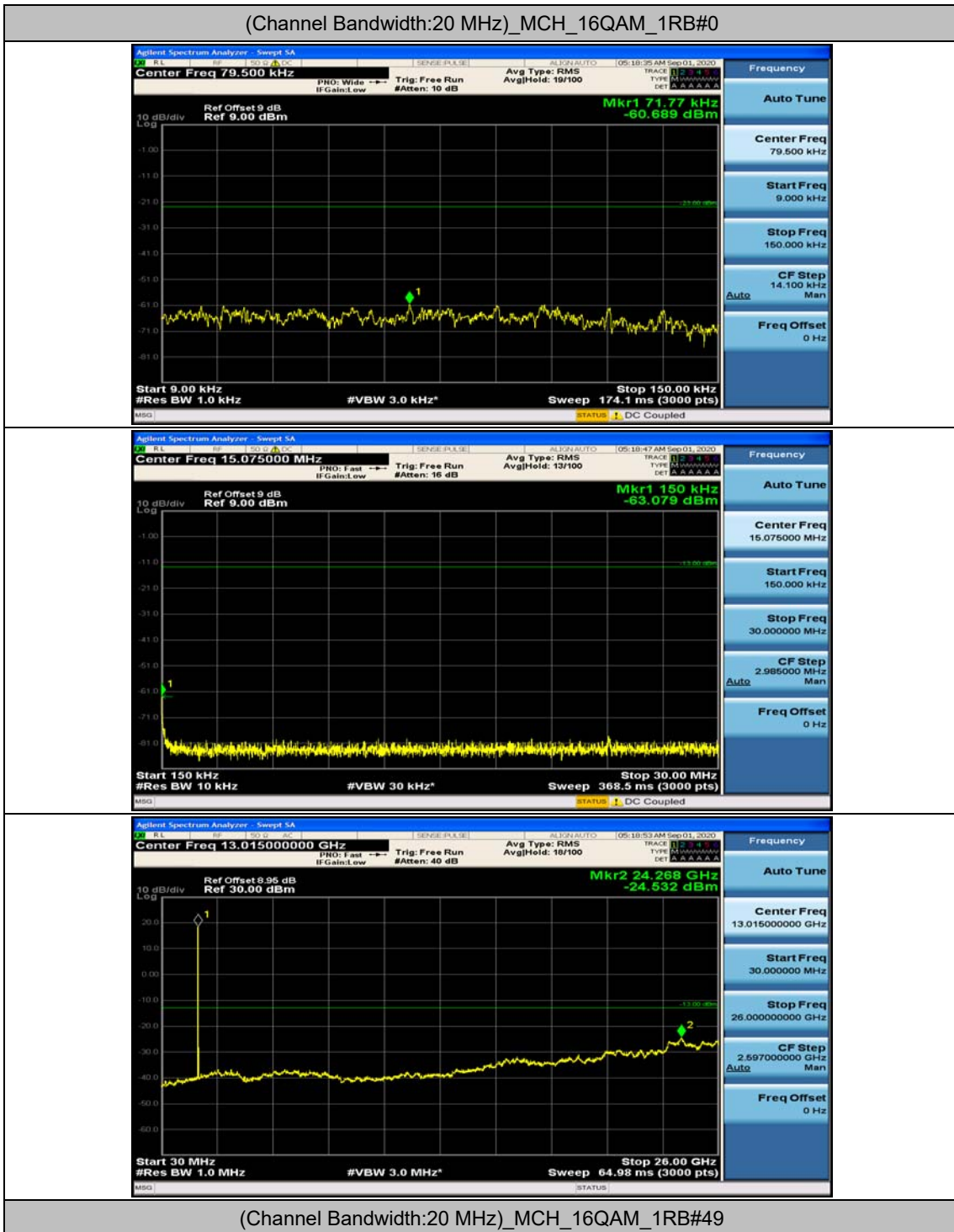


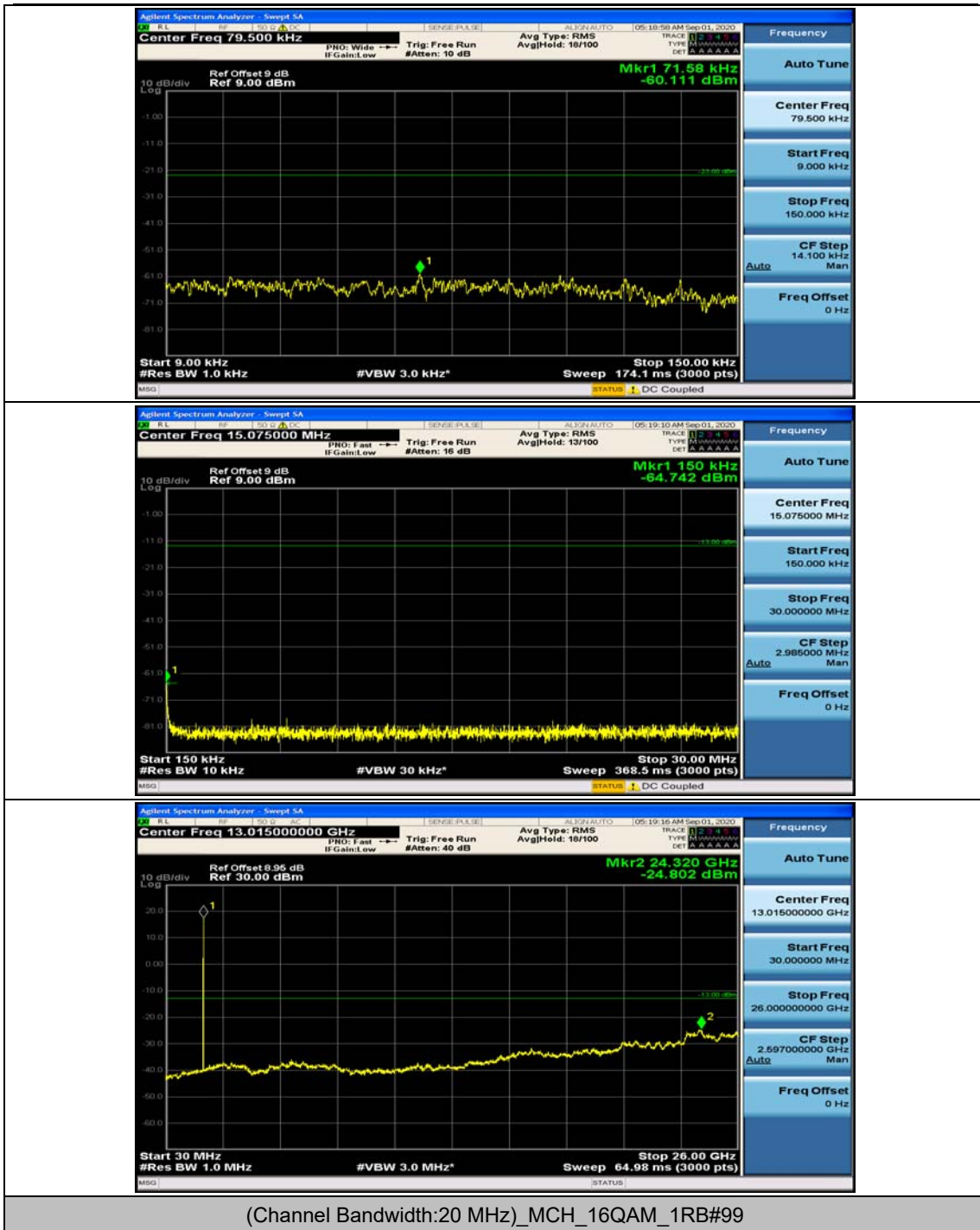


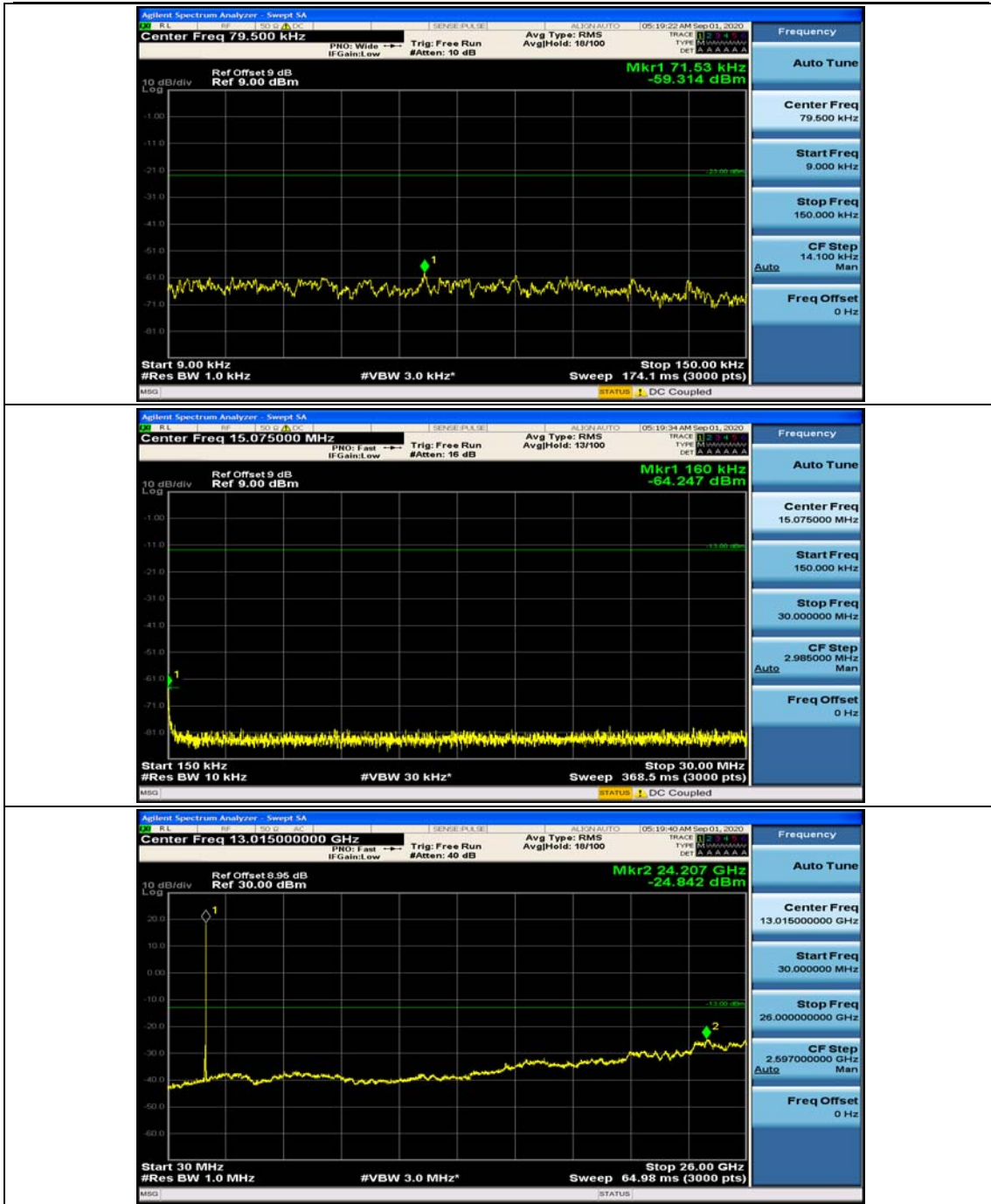


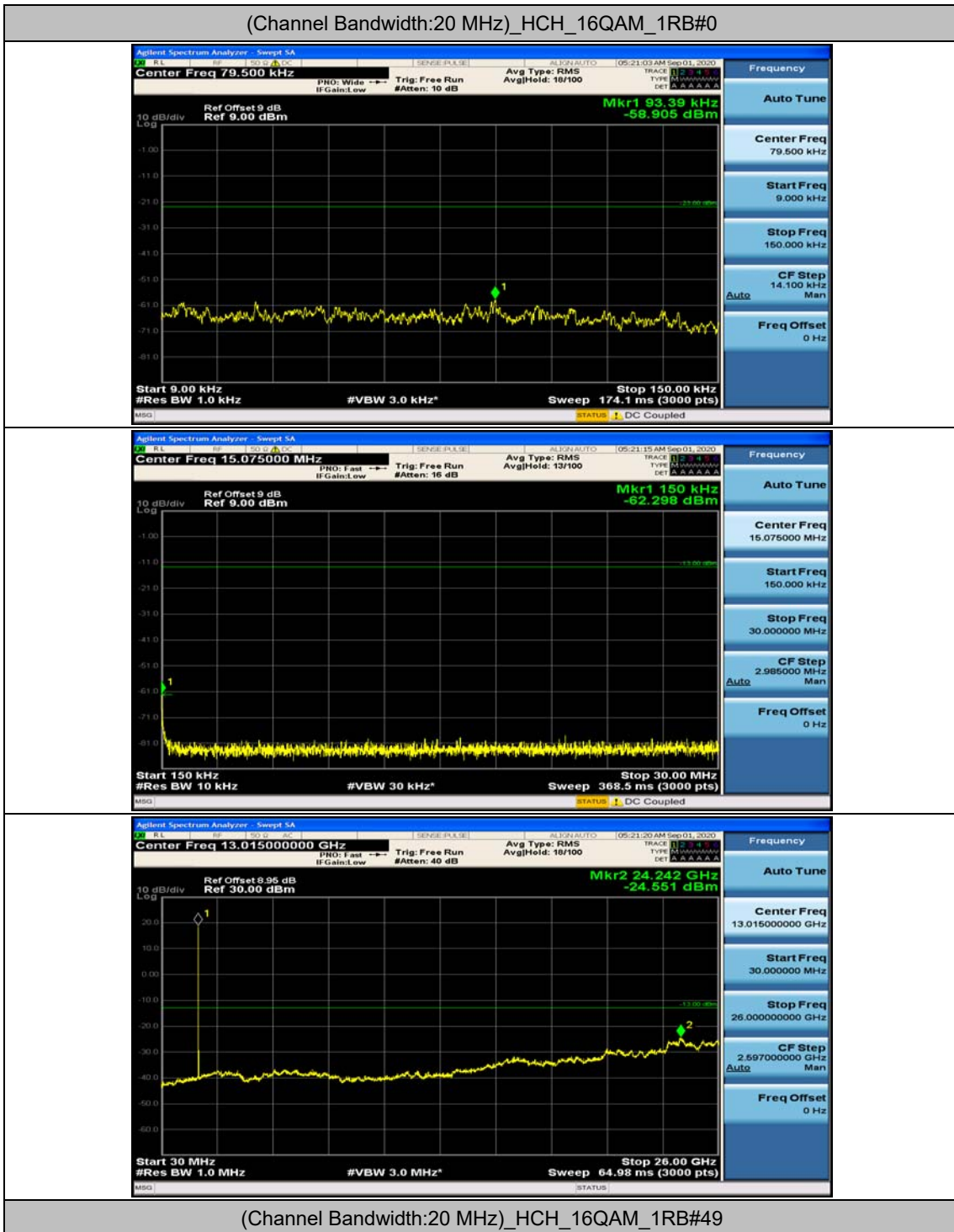


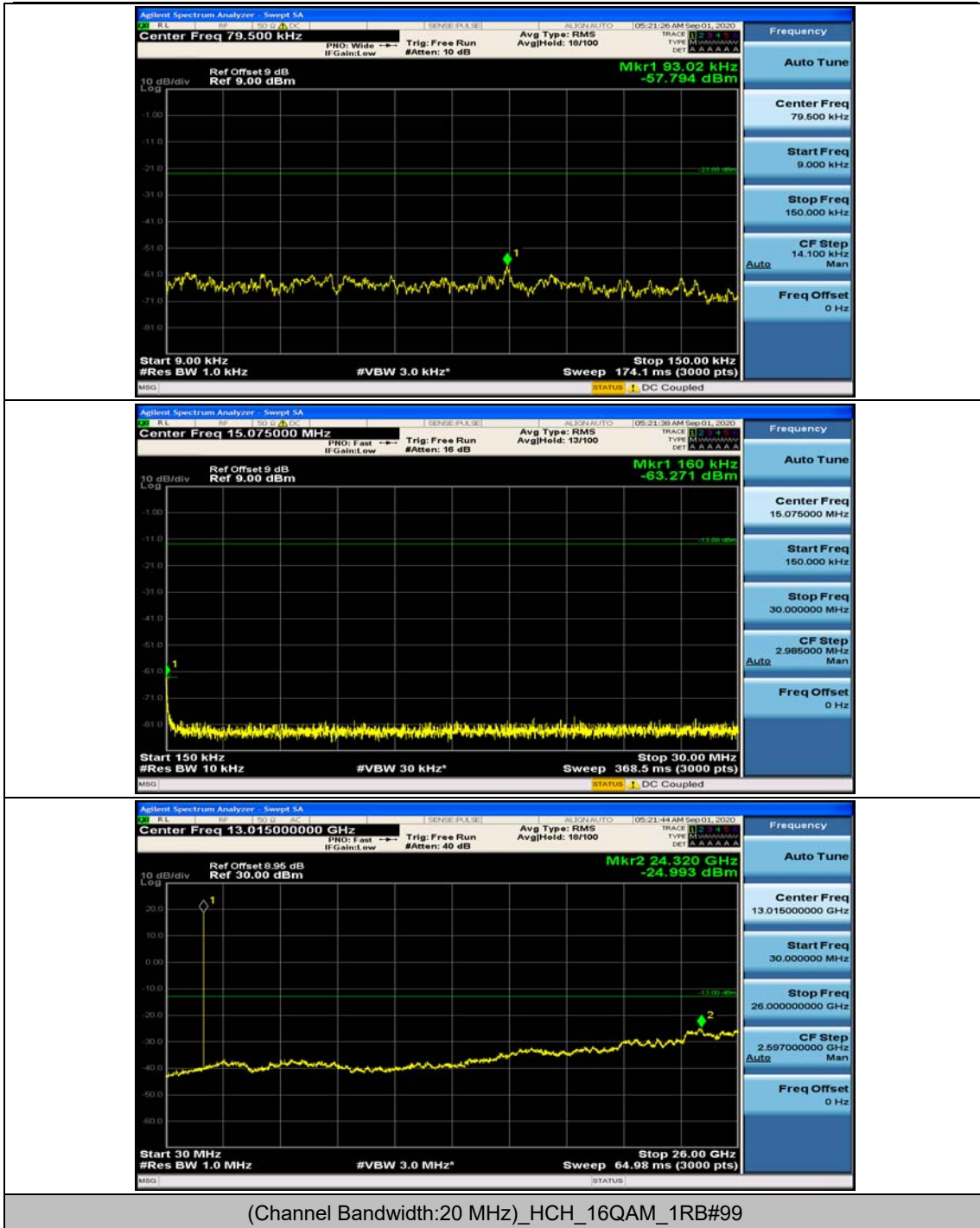


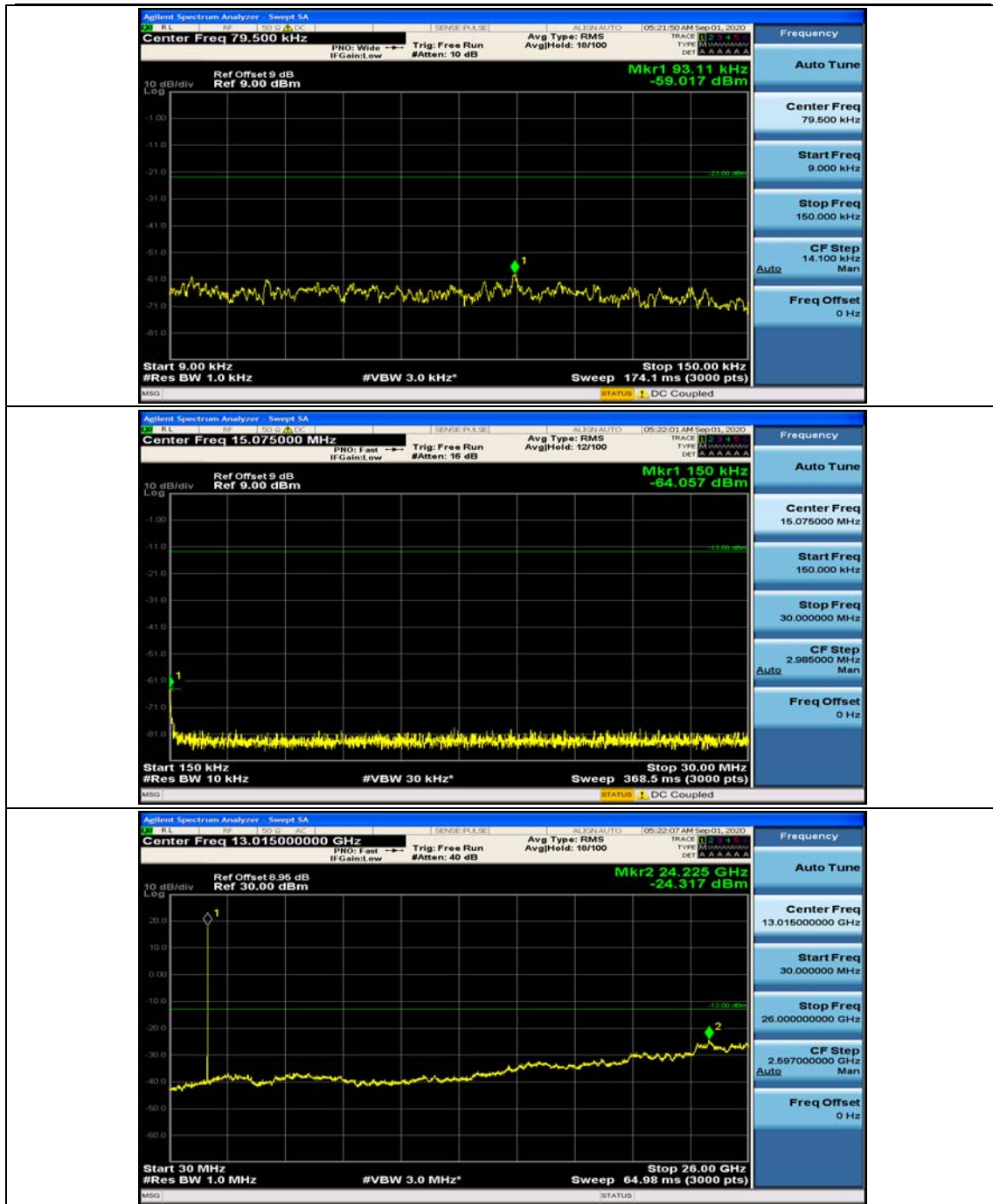












Appendix F: Frequency Stability

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	-1.11	-0.000649	± 2.5	PASS
		VN	TN	1.8	0.001052	± 2.5	PASS
		VH	TN	4.68	0.002736	± 2.5	PASS
	MCH	VL	TN	-1.25	-0.000722	± 2.5	PASS
		VN	TN	-1.44	-0.000831	± 2.5	PASS
		VH	TN	-1.76	-0.001016	± 2.5	PASS
	HCH	VL	TN	-1.91	-0.001089	± 2.5	PASS
		VN	TN	-1.82	-0.001037	± 2.5	PASS
		VH	TN	-0.94	-0.000536	± 2.5	PASS
16QAM	LCH	VL	TN	3.23	0.001888	± 2.5	PASS
		VN	TN	3.5	0.002046	± 2.5	PASS
		VH	TN	4.8	0.002806	± 2.5	PASS
	MCH	VL	TN	1.7	0.000981	± 2.5	PASS
		VN	TN	4.53	0.002615	± 2.5	PASS
		VH	TN	0.7	0.000404	± 2.5	PASS
	HCH	VL	TN	2.2	0.001254	± 2.5	PASS
		VN	TN	0.06	0.000034	± 2.5	PASS
		VH	TN	4.43	0.002525	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.25	0.001315	± 2.5	PASS
		VN	-20	-1.98	-0.001157	± 2.5	PASS
		VN	-10	3.9	0.002280	± 2.5	PASS
		VN	0	2.11	0.001233	± 2.5	PASS
		VN	10	-1.03	-0.000602	± 2.5	PASS
		VN	20	1.23	0.000719	± 2.5	PASS
		VN	30	4.58	0.002677	± 2.5	PASS
		VN	40	-1.02	-0.000596	± 2.5	PASS
		VN	50	1.14	0.000666	± 2.5	PASS

	MCH	VN	-30	0.42	0.000242	± 2.5	PASS
		VN	-20	-0.32	-0.000185	± 2.5	PASS
		VN	-10	2.17	0.001253	± 2.5	PASS
		VN	0	3.64	0.002101	± 2.5	PASS
		VN	10	-1.86	-0.001074	± 2.5	PASS
		VN	20	0.42	0.000242	± 2.5	PASS
		VN	30	3.76	0.002170	± 2.5	PASS
		VN	40	3.43	0.001980	± 2.5	PASS
		VN	50	0.04	0.000023	± 2.5	PASS
	HCH	VN	-30	3.61	0.002058	± 2.5	PASS
		VN	-20	4.87	0.002776	± 2.5	PASS
		VN	-10	-0.23	-0.000131	± 2.5	PASS
		VN	0	4.8	0.002736	± 2.5	PASS
		VN	10	3.2	0.001824	± 2.5	PASS
		VN	20	4.95	0.002822	± 2.5	PASS
		VN	30	1.74	0.000992	± 2.5	PASS
		VN	40	1.07	0.000610	± 2.5	PASS
		VN	50	-0.86	-0.000490	± 2.5	PASS
16QAM	LCH	VN	-30	-1.53	-0.000894	± 2.5	PASS
		VN	-20	2.53	0.001479	± 2.5	PASS
		VN	-10	3.15	0.001841	± 2.5	PASS
		VN	0	-1.09	-0.000637	± 2.5	PASS
		VN	10	-1.05	-0.000614	± 2.5	PASS
		VN	20	2.61	0.001526	± 2.5	PASS
		VN	30	2.41	0.001409	± 2.5	PASS
		VN	40	-1.98	-0.001157	± 2.5	PASS
		VN	50	1.85	0.001081	± 2.5	PASS
	MCH	VN	-30	4.96	0.002827	± 2.5	PASS
		VN	-20	3.01	0.001716	± 2.5	PASS
		VN	-10	2.06	0.001174	± 2.5	PASS
		VN	0	4.32	0.002463	± 2.5	PASS
		VN	10	0.89	0.000507	± 2.5	PASS
		VN	20	-0.1	-0.000057	± 2.5	PASS
		VN	30	-0.6	-0.000342	± 2.5	PASS
		VN	40	4.19	0.002388	± 2.5	PASS
		VN	50	1.48	0.000844	± 2.5	PASS
	HCH	VN	-30	-1.04	-0.000593	± 2.5	PASS
		VN	-20	-1.13	-0.000644	± 2.5	PASS
		VN	-10	-0.2	-0.000114	± 2.5	PASS
		VN	0	4.59	0.002616	± 2.5	PASS
		VN	10	1.36	0.000775	± 2.5	PASS

		VN	20	1.13	0.000644	± 2.5	PASS
		VN	30	1.32	0.000752	± 2.5	PASS
		VN	40	-0.92	-0.000524	± 2.5	PASS
		VN	50	0.63	0.000359	± 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	2.57	0.001502	± 2.5	PASS
		VN	TN	-1.32	-0.000771	± 2.5	PASS
		VH	TN	-0.05	-0.000029	± 2.5	PASS
	MCH	VL	TN	4.79	0.002765	± 2.5	PASS
		VN	TN	4.24	0.002447	± 2.5	PASS
		VH	TN	1.57	0.000906	± 2.5	PASS
	HCH	VL	TN	-1.82	-0.001038	± 2.5	PASS
		VN	TN	-0.28	-0.000160	± 2.5	PASS
		VH	TN	-1.63	-0.000930	± 2.5	PASS
16QAM	LCH	VL	TN	-1.05	-0.000613	± 2.5	PASS
		VN	TN	-0.2	-0.000117	± 2.5	PASS
		VH	TN	-0.35	-0.000204	± 2.5	PASS
	MCH	VL	TN	1.63	0.000941	± 2.5	PASS
		VN	TN	3.98	0.002297	± 2.5	PASS
		VH	TN	2.18	0.001258	± 2.5	PASS
	HCH	VL	TN	3.64	0.002076	± 2.5	PASS
		VN	TN	1.5	0.000855	± 2.5	PASS
		VH	TN	-0.31	-0.000177	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.62	0.002699	± 2.5	PASS
		VN	-20	3.85	0.002249	± 2.5	PASS
		VN	-10	0.56	0.000327	± 2.5	PASS
		VN	0	4.37	0.002553	± 2.5	PASS
		VN	10	-1.37	-0.000800	± 2.5	PASS
		VN	20	3.75	0.002191	± 2.5	PASS
		VN	30	-0.9	-0.000526	± 2.5	PASS
		VN	40	-1.94	-0.001134	± 2.5	PASS
		VN	50	-1.97	-0.001151	± 2.5	PASS
	MCH	VN	-30	4.06	0.002343	± 2.5	PASS

		VN	-20	-0.84	-0.000485	± 2.5	PASS
		VN	-10	2.27	0.001310	± 2.5	PASS
		VN	0	3.64	0.002101	± 2.5	PASS
		VN	10	-0.44	-0.000254	± 2.5	PASS
		VN	20	4.57	0.002638	± 2.5	PASS
		VN	30	4.25	0.002453	± 2.5	PASS
		VN	40	2.39	0.001380	± 2.5	PASS
		VN	50	-1.22	-0.000704	± 2.5	PASS
	HCH	VN	-30	3.12	0.001779	± 2.5	PASS
		VN	-20	4.19	0.002390	± 2.5	PASS
		VN	-10	1.29	0.000736	± 2.5	PASS
		VN	0	4.41	0.002515	± 2.5	PASS
		VN	10	1.34	0.000764	± 2.5	PASS
		VN	20	1.17	0.000667	± 2.5	PASS
		VN	30	3.64	0.002076	± 2.5	PASS
		VN	40	3.48	0.001985	± 2.5	PASS
		VN	50	3.81	0.002173	± 2.5	PASS
		16QAM	LCH	VN	-30	3.19	0.001841
VN	-20			0.25	0.000144	± 2.5	PASS
VN	-10			-0.63	-0.000364	± 2.5	PASS
VN	0			2.1	0.001212	± 2.5	PASS
VN	10			3.4	0.001962	± 2.5	PASS
VN	20			2.84	0.001639	± 2.5	PASS
VN	30			2.89	0.001668	± 2.5	PASS
VN	40			-1.06	-0.000612	± 2.5	PASS
VN	50			1.05	0.000606	± 2.5	PASS
MCH	VN		-30	4.47	0.002549	± 2.5	PASS
	VN		-20	3.83	0.002184	± 2.5	PASS
	VN		-10	2.17	0.001238	± 2.5	PASS
	VN		0	4.75	0.002709	± 2.5	PASS
	VN		10	1.41	0.000804	± 2.5	PASS
	VN		20	4.87	0.002777	± 2.5	PASS
	VN		30	-1.88	-0.001072	± 2.5	PASS
	VN		40	1.46	0.000833	± 2.5	PASS
	VN		50	-0.93	-0.000530	± 2.5	PASS
HCH	VN		-30	-0.74	-0.000422	± 2.5	PASS
	VN		-20	1.42	0.000810	± 2.5	PASS
	VN		-10	0.05	0.000029	± 2.5	PASS
	VN		0	-0.38	-0.000217	± 2.5	PASS
	VN		10	0.54	0.000308	± 2.5	PASS
	VN		20	2.05	0.001169	± 2.5	PASS

		VN	30	-0.52	-0.000297	± 2.5	PASS
		VN	40	0.79	0.000451	± 2.5	PASS
		VN	50	4.19	0.002390	± 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	-0.57	-0.000333	± 2.5	PASS
		VN	TN	-1.51	-0.000882	± 2.5	PASS
		VH	TN	4.27	0.002493	± 2.5	PASS
	MCH	VL	TN	-1.56	-0.000900	± 2.5	PASS
		VN	TN	2.4	0.001385	± 2.5	PASS
		VH	TN	4.32	0.002494	± 2.5	PASS
	HCH	VL	TN	2.86	0.001632	± 2.5	PASS
		VN	TN	3.48	0.001986	± 2.5	PASS
		VH	TN	4.89	0.002790	± 2.5	PASS
16QAM	LCH	VL	TN	4.37	0.002552	± 2.5	PASS
		VN	TN	1.88	0.001098	± 2.5	PASS
		VH	TN	3.31	0.001933	± 2.5	PASS
	MCH	VL	TN	2.36	0.001362	± 2.5	PASS
		VN	TN	4.1	0.002367	± 2.5	PASS
		VH	TN	2.11	0.001218	± 2.5	PASS
	HCH	VL	TN	2.14	0.001221	± 2.5	PASS
		VN	TN	2.64	0.001506	± 2.5	PASS
		VH	TN	0.28	0.000160	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.67	0.000975	± 2.5	PASS
		VN	-20	0.29	0.000169	± 2.5	PASS
		VN	-10	3.26	0.001904	± 2.5	PASS
		VN	0	-0.85	-0.000496	± 2.5	PASS
		VN	10	4.13	0.002412	± 2.5	PASS
		VN	20	3.08	0.001799	± 2.5	PASS
		VN	30	0.19	0.000111	± 2.5	PASS
		VN	40	4.79	0.002797	± 2.5	PASS
		VN	50	1.71	0.000999	± 2.5	PASS
	MCH	VN	-30	-0.65	-0.000375	± 2.5	PASS
		VN	-20	-1.69	-0.000975	± 2.5	PASS

		VN	-10	-0.95	-0.000548	± 2.5	PASS		
		VN	0	1.14	0.000658	± 2.5	PASS		
		VN	10	1.8	0.001039	± 2.5	PASS		
		VN	20	0.33	0.000190	± 2.5	PASS		
		VN	30	3.46	0.001997	± 2.5	PASS		
		VN	40	2.38	0.001374	± 2.5	PASS		
		VN	50	4.23	0.002442	± 2.5	PASS		
	HCH	VN	-30	0.44	0.000251	± 2.5	PASS		
		VN	-20	1.4	0.000734	± 2.5	PASS		
		VN	-10	-0.38	-0.000199	± 2.5	PASS		
		VN	0	-0.65	-0.000341	± 2.5	PASS		
		VN	10	-0.6	-0.000315	± 2.5	PASS		
		VN	20	3.13	0.001641	± 2.5	PASS		
		VN	30	-1.45	-0.000760	± 2.5	PASS		
		VN	40	3.49	0.001830	± 2.5	PASS		
		VN	50	4.67	0.002448	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.44	0.000831	± 2.5	PASS
				VN	-20	0.67	0.000387	± 2.5	PASS
VN	-10			2.84	0.001639	± 2.5	PASS		
VN	0			-1.34	-0.000773	± 2.5	PASS		
VN	10			2.66	0.001535	± 2.5	PASS		
VN	20			4.36	0.002517	± 2.5	PASS		
VN	30			2.88	0.001662	± 2.5	PASS		
VN	40			-0.2	-0.000115	± 2.5	PASS		
VN	50			-0.66	-0.000381	± 2.5	PASS		
MCH	VN		-30	0.72	0.000411	± 2.5	PASS		
	VN		-20	1.81	0.001033	± 2.5	PASS		
	VN		-10	-0.24	-0.000137	± 2.5	PASS		
	VN		0	1.52	0.000867	± 2.5	PASS		
	VN		10	1.04	0.000593	± 2.5	PASS		
	VN		20	3.75	0.002140	± 2.5	PASS		
	VN		30	1.75	0.000999	± 2.5	PASS		
	VN		40	-0.69	-0.000394	± 2.5	PASS		
	VN		50	1.18	0.000673	± 2.5	PASS		
HCH	VN		-30	0.55	0.000288	± 2.5	PASS		
	VN		-20	1.53	0.000802	± 2.5	PASS		
	VN		-10	3.35	0.001756	± 2.5	PASS		
	VN		0	3.58	0.001877	± 2.5	PASS		
	VN		10	3.62	0.001898	± 2.5	PASS		
	VN		20	1.97	0.001033	± 2.5	PASS		
	VN		30	4.31	0.002260	± 2.5	PASS		

		VN	40	-0.85	-0.000446	± 2.5	PASS
		VN	50	-1.71	-0.000896	± 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	-0.81	-0.000472	± 2.5	PASS
		VN	TN	4.11	0.002397	± 2.5	PASS
		VH	TN	-1.1	-0.000641	± 2.5	PASS
	MCH	VL	TN	-1.57	-0.000906	± 2.5	PASS
		VN	TN	-0.98	-0.000566	± 2.5	PASS
		VH	TN	-1.41	-0.000814	± 2.5	PASS
	HCH	VL	TN	3.15	0.001800	± 2.5	PASS
		VN	TN	1.64	0.000937	± 2.5	PASS
		VH	TN	-0.11	-0.000063	± 2.5	PASS
16QAM	LCH	VL	TN	4.55	0.002653	± 2.5	PASS
		VN	TN	3.5	0.002041	± 2.5	PASS
		VH	TN	3.64	0.002122	± 2.5	PASS
	MCH	VL	TN	1.62	0.000935	± 2.5	PASS
		VN	TN	-0.55	-0.000317	± 2.5	PASS
		VH	TN	4.05	0.002338	± 2.5	PASS
	HCH	VL	TN	4.61	0.002634	± 2.5	PASS
		VN	TN	2.13	0.001217	± 2.5	PASS
		VH	TN	3.98	0.002274	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.44	0.000257	± 2.5	PASS
		VN	-20	-0.01	-0.000006	± 2.5	PASS
		VN	-10	-0.73	-0.000426	± 2.5	PASS
		VN	0	-0.3	-0.000175	± 2.5	PASS
		VN	10	3.14	0.001831	± 2.5	PASS
		VN	20	-1.86	-0.001085	± 2.5	PASS
		VN	30	1.61	0.000939	± 2.5	PASS
		VN	40	3.66	0.002134	± 2.5	PASS
		VN	50	3.82	0.002227	± 2.5	PASS
	MCH	VN	-30	1.68	0.000970	± 2.5	PASS
		VN	-20	-1.88	-0.001085	± 2.5	PASS
		VN	-10	-1.23	-0.000710	± 2.5	PASS

		VN	0	-1.47	-0.000848	± 2.5	PASS		
		VN	10	-1.99	-0.001149	± 2.5	PASS		
		VN	20	-1.11	-0.000641	± 2.5	PASS		
		VN	30	2.91	0.001680	± 2.5	PASS		
		VN	40	1.18	0.000681	± 2.5	PASS		
		VN	50	1.83	0.001056	± 2.5	PASS		
	HCH	VN	-30	0.52	0.000297	± 2.5	PASS		
		VN	-20	1.53	0.000874	± 2.5	PASS		
		VN	-10	-1.85	-0.001057	± 2.5	PASS		
		VN	0	-0.25	-0.000143	± 2.5	PASS		
		VN	10	3.17	0.001811	± 2.5	PASS		
		VN	20	2.57	0.001469	± 2.5	PASS		
		VN	30	1.02	0.000583	± 2.5	PASS		
		VN	40	4.28	0.002446	± 2.5	PASS		
		VN	50	4.19	0.002394	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.16	-0.000092	± 2.5	PASS
				VN	-20	4.44	0.002563	± 2.5	PASS
				VN	-10	0.14	0.000081	± 2.5	PASS
VN	0			1.66	0.000958	± 2.5	PASS		
VN	10			-0.53	-0.000306	± 2.5	PASS		
VN	20			3.47	0.002003	± 2.5	PASS		
VN	30			2.83	0.001633	± 2.5	PASS		
VN	40			2.91	0.001680	± 2.5	PASS		
VN	50			0.56	0.000323	± 2.5	PASS		
MCH	VN		-30	1.89	0.001080	± 2.5	PASS		
	VN		-20	0.93	0.000531	± 2.5	PASS		
	VN		-10	1.27	0.000726	± 2.5	PASS		
	VN		0	-1.77	-0.001011	± 2.5	PASS		
	VN		10	-0.04	-0.000023	± 2.5	PASS		
	VN		20	4.63	0.002646	± 2.5	PASS		
	VN		30	3.32	0.001897	± 2.5	PASS		
	VN		40	3.19	0.001823	± 2.5	PASS		
	VN		50	-0.32	-0.000183	± 2.5	PASS		
HCH	VN		-30	4.8	0.002743	± 2.5	PASS		
	VN		-20	4.39	0.002509	± 2.5	PASS		
	VN		-10	2.65	0.001514	± 2.5	PASS		
	VN		0	2.65	0.001514	± 2.5	PASS		
	VN		10	3.13	0.001789	± 2.5	PASS		
	VN		20	4.99	0.002851	± 2.5	PASS		
	VN		30	1.7	0.000971	± 2.5	PASS		
	VN		40	0.3	0.000171	± 2.5	PASS		

		VN	50	4.44	0.002537	± 2.5	PASS
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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	2.01	0.001170	± 2.5	PASS
		VN	TN	2.64	0.001537	± 2.5	PASS
		VH	TN	2.4	0.001397	± 2.5	PASS
	MCH	VL	TN	4.81	0.002776	± 2.5	PASS
		VN	TN	-0.24	-0.000139	± 2.5	PASS
		VH	TN	4.09	0.002361	± 2.5	PASS
	HCH	VL	TN	1.13	0.000647	± 2.5	PASS
		VN	TN	3.01	0.001722	± 2.5	PASS
		VH	TN	3.3	0.001888	± 2.5	PASS
16QAM	LCH	VL	TN	3.34	0.001945	± 2.5	PASS
		VN	TN	3.43	0.001997	± 2.5	PASS
		VH	TN	-1.03	-0.000600	± 2.5	PASS
	MCH	VL	TN	4.52	0.002609	± 2.5	PASS
		VN	TN	1.13	0.000652	± 2.5	PASS
		VH	TN	2.46	0.001420	± 2.5	PASS
	HCH	VL	TN	2.16	0.001236	± 2.5	PASS
		VN	TN	0.14	0.000080	± 2.5	PASS
		VH	TN	-0.37	-0.000212	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.07	-0.000623	± 2.5	PASS
		VN	-20	0.11	0.000064	± 2.5	PASS
		VN	-10	-1.81	-0.001054	± 2.5	PASS
		VN	0	1.79	0.001042	± 2.5	PASS
		VN	10	-1.82	-0.001060	± 2.5	PASS
		VN	20	1.14	0.000664	± 2.5	PASS
		VN	30	2.72	0.001584	± 2.5	PASS
		VN	40	-1.28	-0.000745	± 2.5	PASS
		VN	50	-1.96	-0.001141	± 2.5	PASS
	MCH	VN	-30	-1.84	-0.001062	± 2.5	PASS
		VN	-20	4.77	0.002753	± 2.5	PASS
		VN	-10	0.8	0.000462	± 2.5	PASS
		VN	0	0.91	0.000525	± 2.5	PASS

		VN	10	0.49	0.000283	± 2.5	PASS
		VN	20	3.81	0.002199	± 2.5	PASS
		VN	30	-0.45	-0.000260	± 2.5	PASS
		VN	40	4.67	0.002696	± 2.5	PASS
		VN	50	-1.34	-0.000773	± 2.5	PASS
	HCH	VN	-30	0.86	0.000492	± 2.5	PASS
		VN	-20	4.55	0.002604	± 2.5	PASS
		VN	-10	1.97	0.001127	± 2.5	PASS
		VN	0	0.05	0.000029	± 2.5	PASS
		VN	10	1.85	0.001059	± 2.5	PASS
		VN	20	1.47	0.000841	± 2.5	PASS
		VN	30	3.93	0.002249	± 2.5	PASS
		VN	40	2.96	0.001694	± 2.5	PASS
		VN	50	-0.29	-0.000166	± 2.5	PASS
		16QAM	LCH	VN	-30	2.08	0.001201
VN	-20			-1.41	-0.000814	± 2.5	PASS
VN	-10			2.44	0.001408	± 2.5	PASS
VN	0			4.8	0.002771	± 2.5	PASS
VN	10			0.86	0.000496	± 2.5	PASS
VN	20			2.63	0.001518	± 2.5	PASS
VN	30			-0.94	-0.000543	± 2.5	PASS
VN	40			1.72	0.000993	± 2.5	PASS
VN	50			2.09	0.001206	± 2.5	PASS
MCH	VN		-30	0.32	0.000183	± 2.5	PASS
	VN		-20	1.58	0.000904	± 2.5	PASS
	VN		-10	-0.83	-0.000475	± 2.5	PASS
	VN		0	0.69	0.000395	± 2.5	PASS
	VN		10	-0.53	-0.000303	± 2.5	PASS
	VN		20	2.95	0.001688	± 2.5	PASS
	VN	30	-1.26	-0.000721	± 2.5	PASS	
	VN	40	2.26	0.001293	± 2.5	PASS	
	VN	50	-0.59	-0.000338	± 2.5	PASS	
HCH	VN	-30	-0.84	-0.000481	± 2.5	PASS	
	VN	-20	-0.22	-0.000126	± 2.5	PASS	
	VN	-10	4.45	0.002546	± 2.5	PASS	
	VN	0	2.27	0.001299	± 2.5	PASS	
	VN	10	0.44	0.000252	± 2.5	PASS	
	VN	20	1.87	0.001070	± 2.5	PASS	
	VN	30	3.35	0.001917	± 2.5	PASS	
	VN	40	-1.64	-0.000938	± 2.5	PASS	
	VN	50	-0.24	-0.000137	± 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	0.63	0.000366	± 2.5	PASS
		VN	TN	-1.28	-0.000744	± 2.5	PASS
		VH	TN	-0.37	-0.000215	± 2.5	PASS
	MCH	VL	TN	2.7	0.001558	± 2.5	PASS
		VN	TN	-0.23	-0.000133	± 2.5	PASS
		VH	TN	1.86	0.001074	± 2.5	PASS
	HCH	VL	TN	-1.26	-0.000722	± 2.5	PASS
		VN	TN	2.88	0.001650	± 2.5	PASS
		VH	TN	4.13	0.002367	± 2.5	PASS
16QAM	LCH	VL	TN	3.9	0.002267	± 2.5	PASS
		VN	TN	1.86	0.001081	± 2.5	PASS
		VH	TN	4.46	0.002593	± 2.5	PASS
	MCH	VL	TN	0.26	0.000150	± 2.5	PASS
		VN	TN	-1.94	-0.001120	± 2.5	PASS
		VH	TN	-1.11	-0.000641	± 2.5	PASS
	HCH	VL	TN	1.36	0.000779	± 2.5	PASS
		VN	TN	3.08	0.001765	± 2.5	PASS
		VH	TN	1.09	0.000625	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.92	0.000535	± 2.5	PASS
		VN	-20	3.46	0.002012	± 2.5	PASS
		VN	-10	3.27	0.001901	± 2.5	PASS
		VN	0	3.18	0.001849	± 2.5	PASS
		VN	10	3.38	0.001965	± 2.5	PASS
		VN	20	4.54	0.002640	± 2.5	PASS
		VN	30	1.66	0.000965	± 2.5	PASS
		VN	40	0.33	0.000192	± 2.5	PASS
		VN	50	-0.31	-0.000180	± 2.5	PASS
	MCH	VN	-30	-1.91	-0.001102	± 2.5	PASS
		VN	-20	-0.79	-0.000456	± 2.5	PASS
		VN	-10	4.53	0.002615	± 2.5	PASS
		VN	0	2.8	0.001616	± 2.5	PASS
		VN	10	3.09	0.001784	± 2.5	PASS

		VN	20	4.39	0.002534	± 2.5	PASS
		VN	30	2.3	0.001328	± 2.5	PASS
		VN	40	2.81	0.001622	± 2.5	PASS
		VN	50	-1.8	-0.001039	± 2.5	PASS
	HCH	VN	-30	3.76	0.002155	± 2.5	PASS
		VN	-20	0.32	0.000183	± 2.5	PASS
		VN	-10	-1.43	-0.000819	± 2.5	PASS
		VN	0	-1.92	-0.001100	± 2.5	PASS
		VN	10	3.73	0.002138	± 2.5	PASS
		VN	20	-1.08	-0.000619	± 2.5	PASS
		VN	30	-0.98	-0.000562	± 2.5	PASS
		VN	40	4.92	0.002819	± 2.5	PASS
		VN	50	2.68	0.001536	± 2.5	PASS
16QAM	LCH	VN	-30	0.06	0.000035	± 2.5	PASS
		VN	-20	4.64	0.002678	± 2.5	PASS
		VN	-10	-0.97	-0.000560	± 2.5	PASS
		VN	0	1.72	0.000993	± 2.5	PASS
		VN	10	2.97	0.001714	± 2.5	PASS
		VN	20	3.89	0.002245	± 2.5	PASS
		VN	30	-0.93	-0.000537	± 2.5	PASS
		VN	40	-0.77	-0.000444	± 2.5	PASS
		VN	50	2.11	0.001218	± 2.5	PASS
	MCH	VN	-30	3.62	0.002074	± 2.5	PASS
		VN	-20	1.89	0.001083	± 2.5	PASS
		VN	-10	-0.57	-0.000327	± 2.5	PASS
		VN	0	0.21	0.000120	± 2.5	PASS
		VN	10	4.95	0.002837	± 2.5	PASS
		VN	20	3.27	0.001874	± 2.5	PASS
		VN	30	-1.41	-0.000808	± 2.5	PASS
		VN	40	4.86	0.002785	± 2.5	PASS
		VN	50	4.8	0.002751	± 2.5	PASS
	HCH	VN	-30	3.36	0.001926	± 2.5	PASS
		VN	-20	0.49	0.000281	± 2.5	PASS
		VN	-10	0.03	0.000017	± 2.5	PASS
		VN	0	2.31	0.001324	± 2.5	PASS
		VN	10	3.21	0.001840	± 2.5	PASS
		VN	20	2.14	0.001226	± 2.5	PASS
		VN	30	3.19	0.001828	± 2.5	PASS
		VN	40	-1.47	-0.000842	± 2.5	PASS
		VN	50	-1.87	-0.001072	± 2.5	PASS