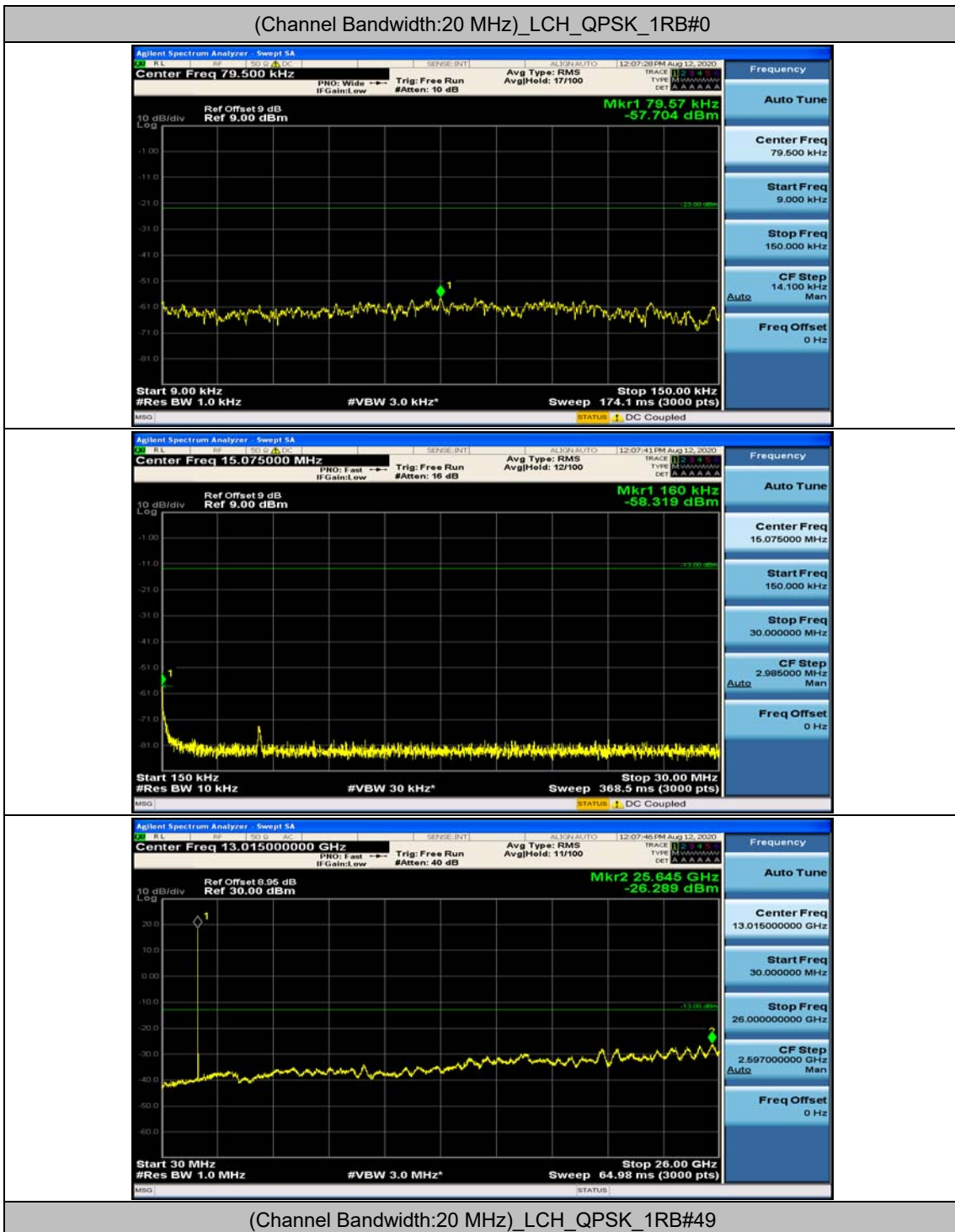
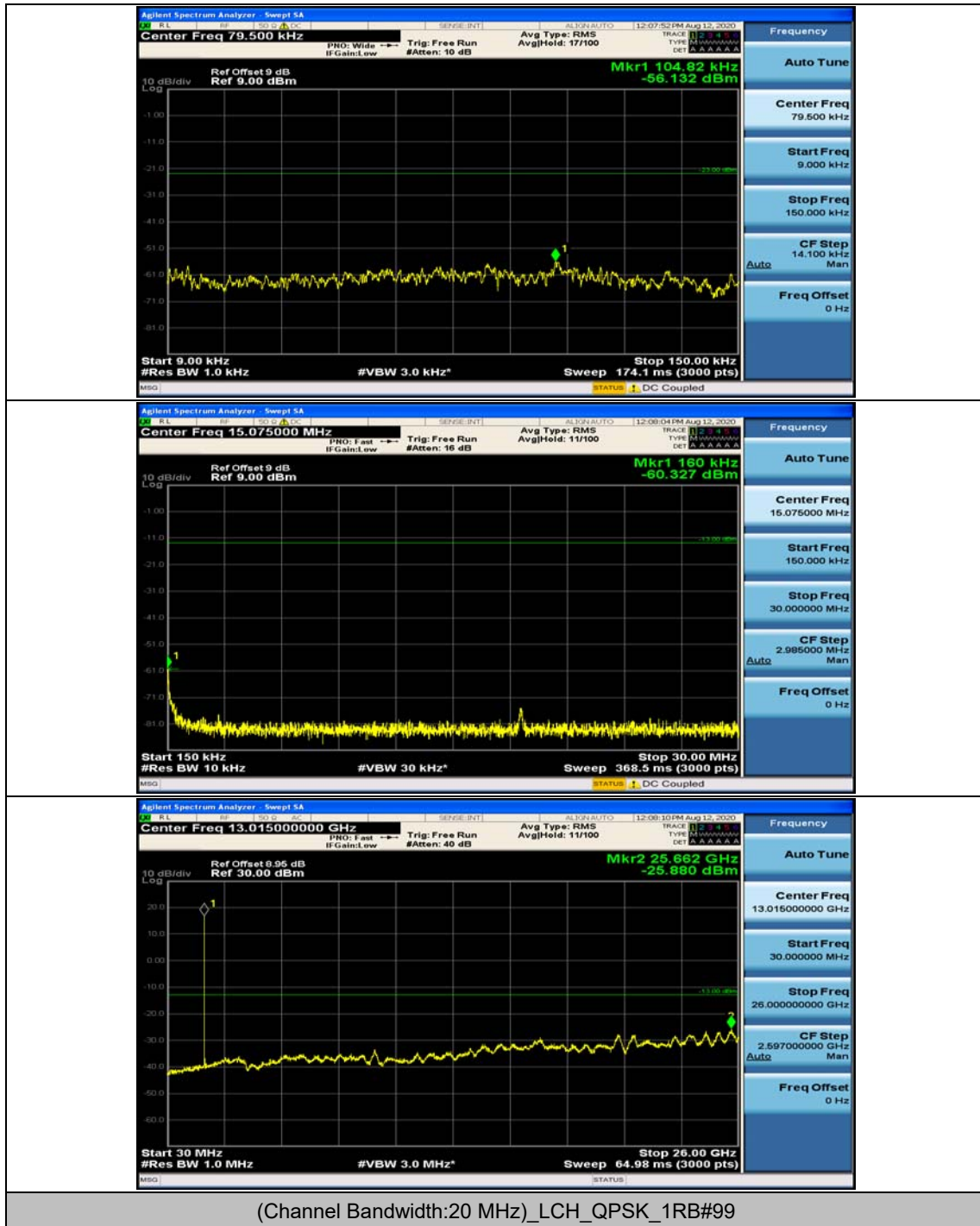
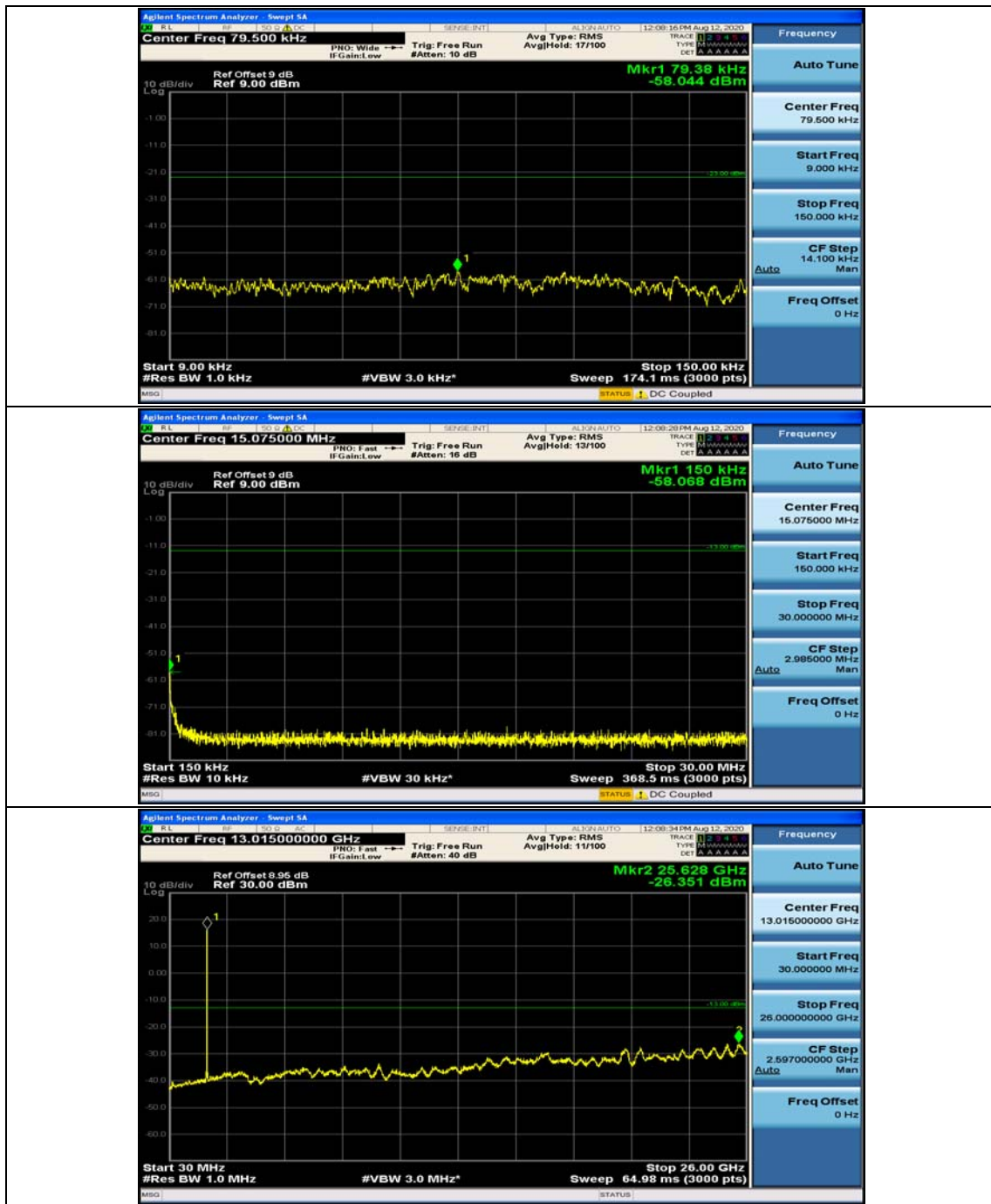
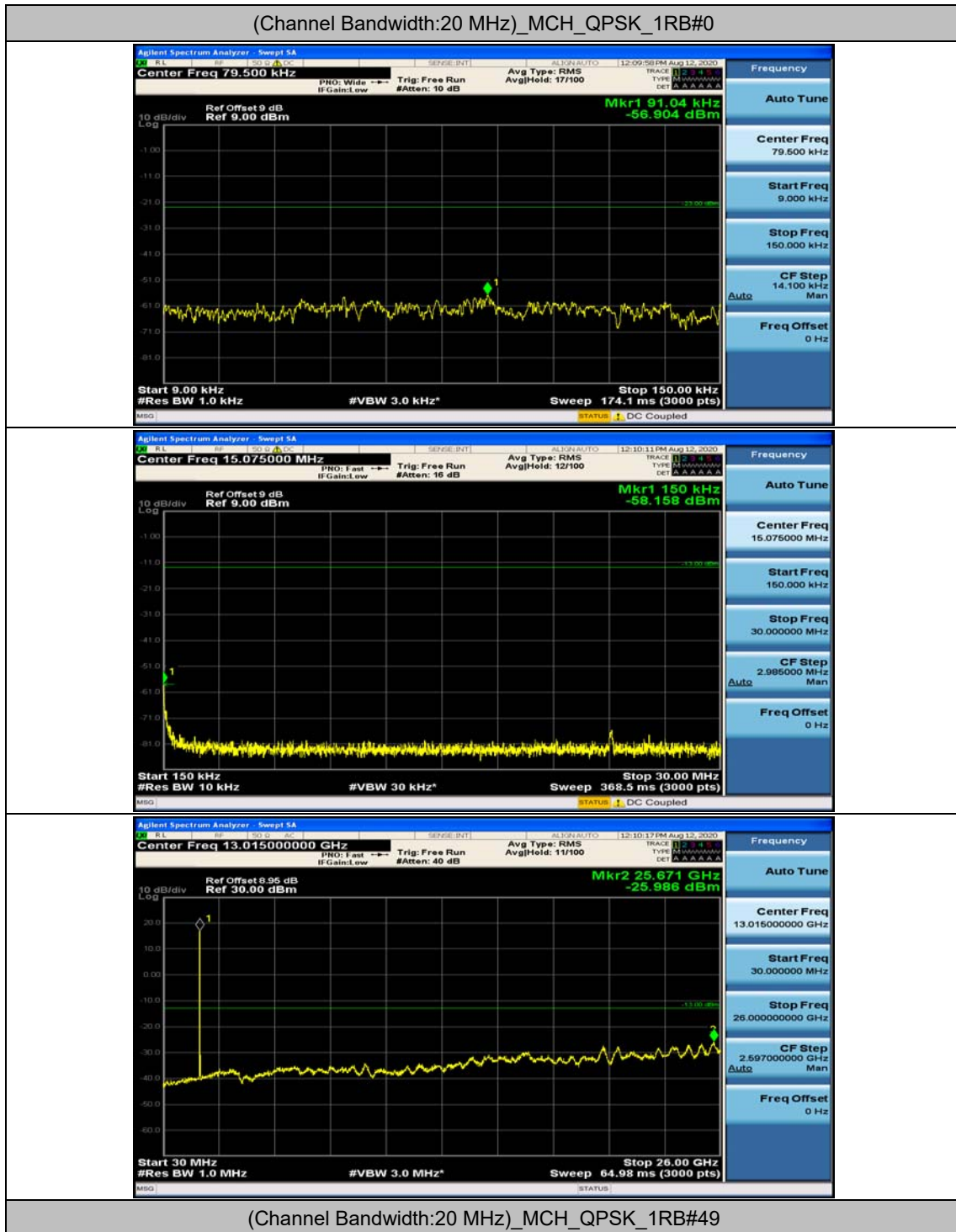


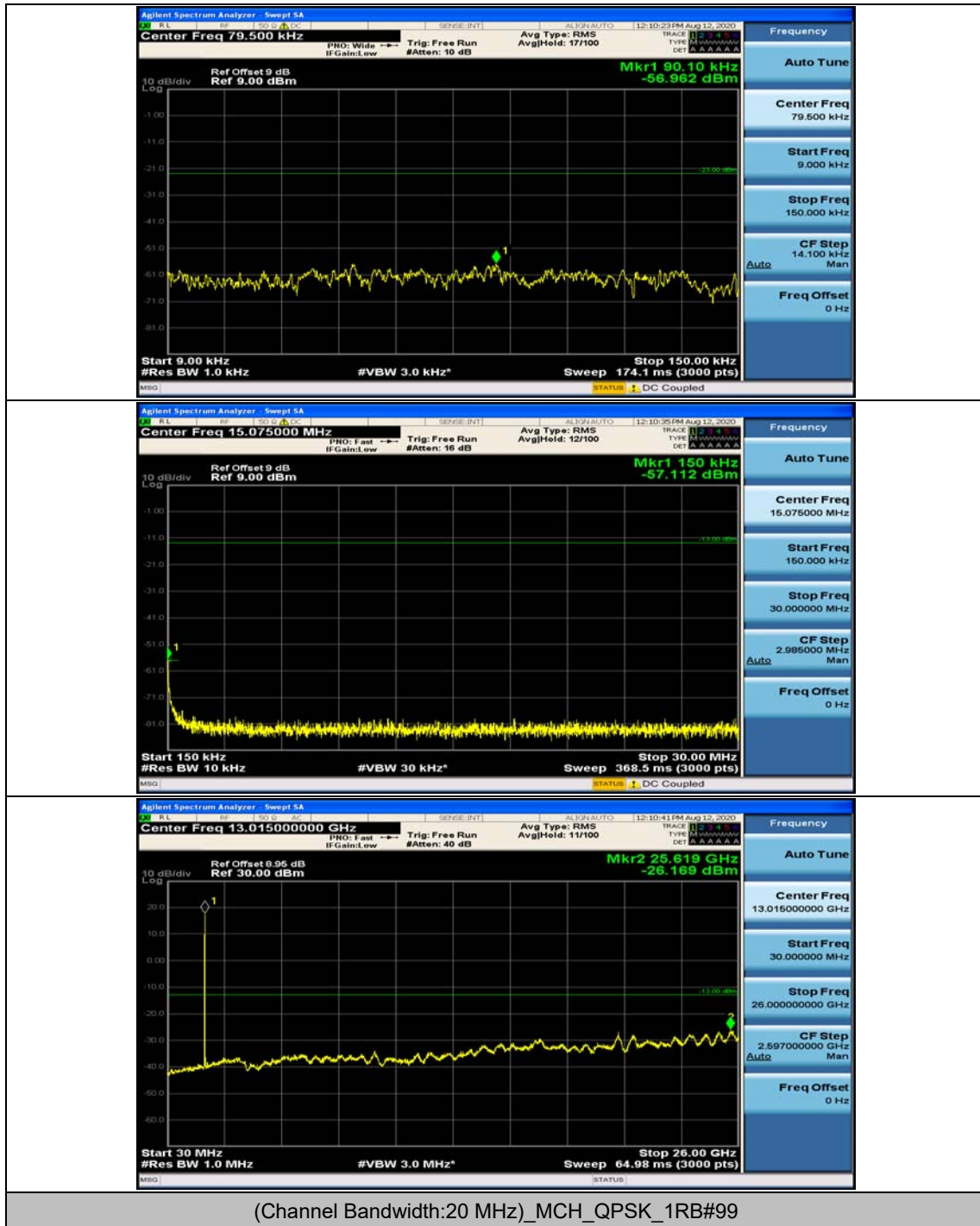
Channel Bandwidth: 20 MHz

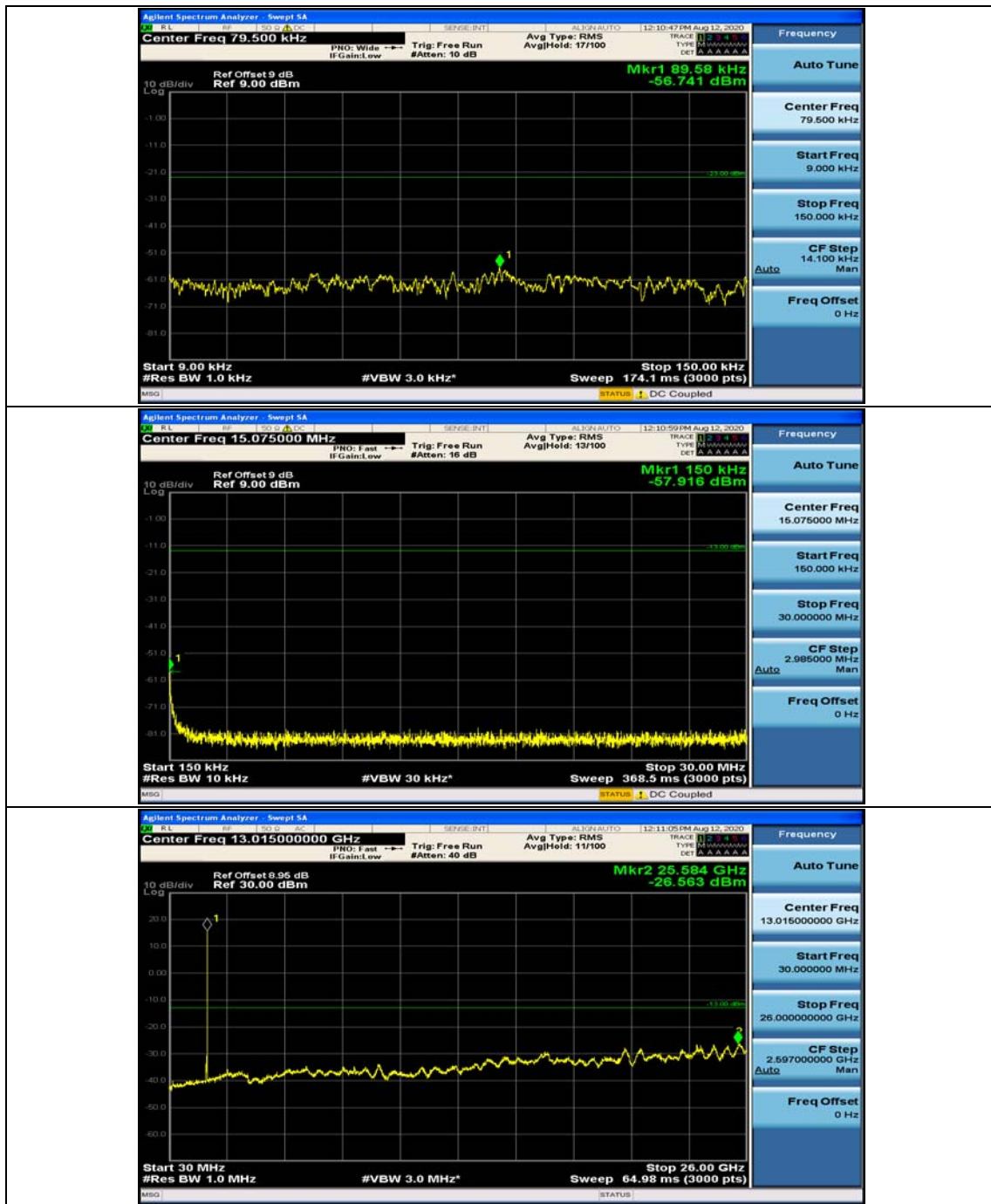


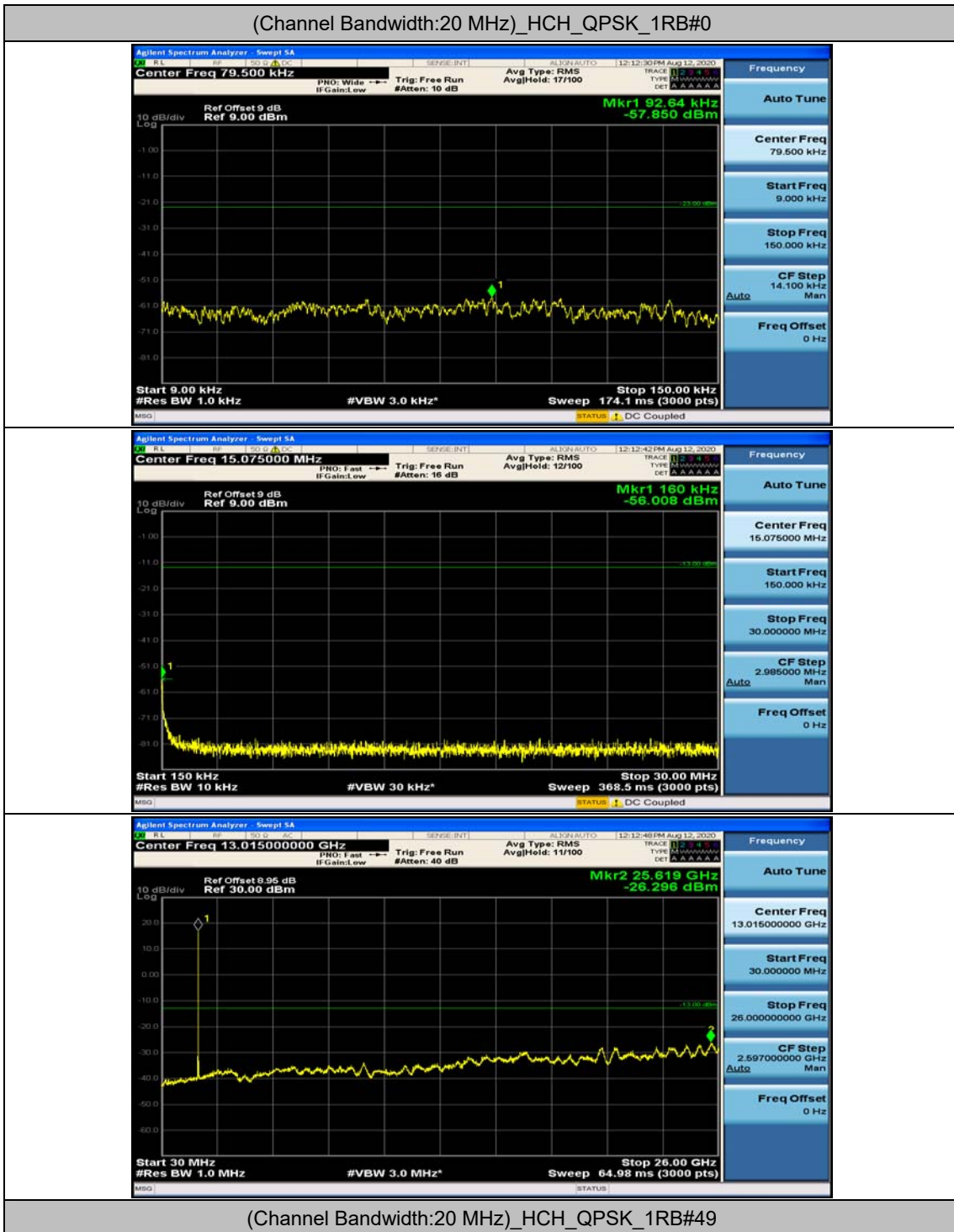


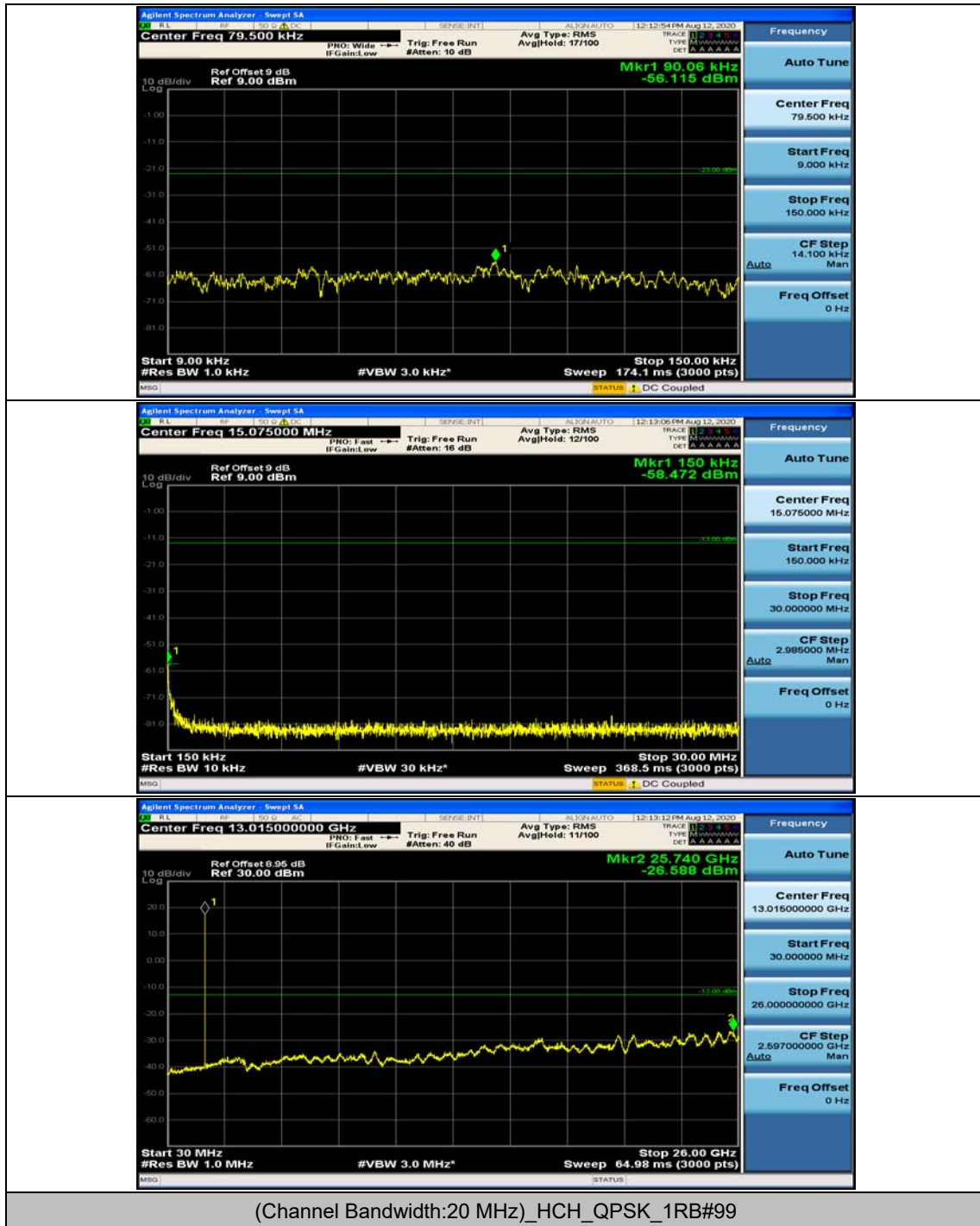


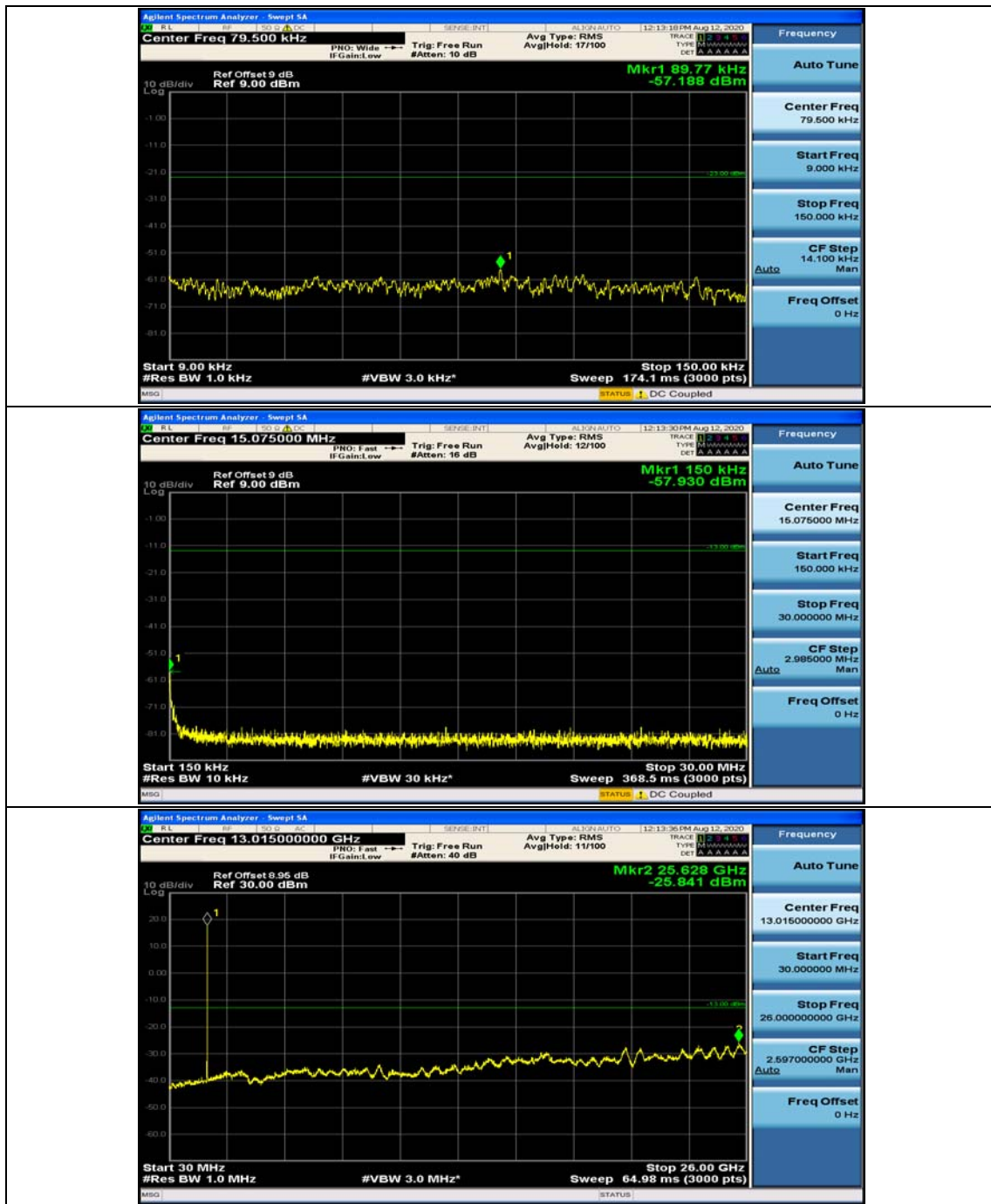


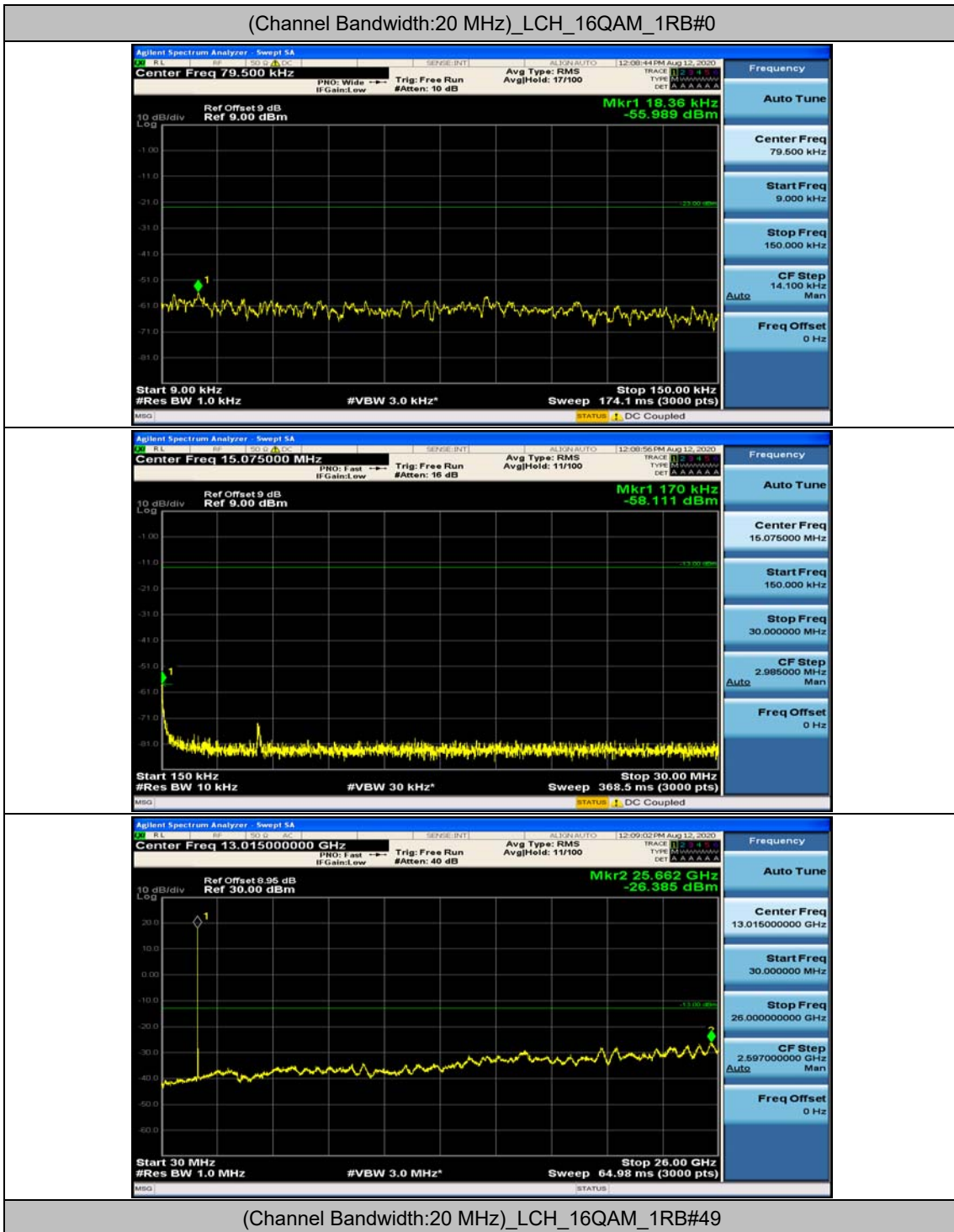


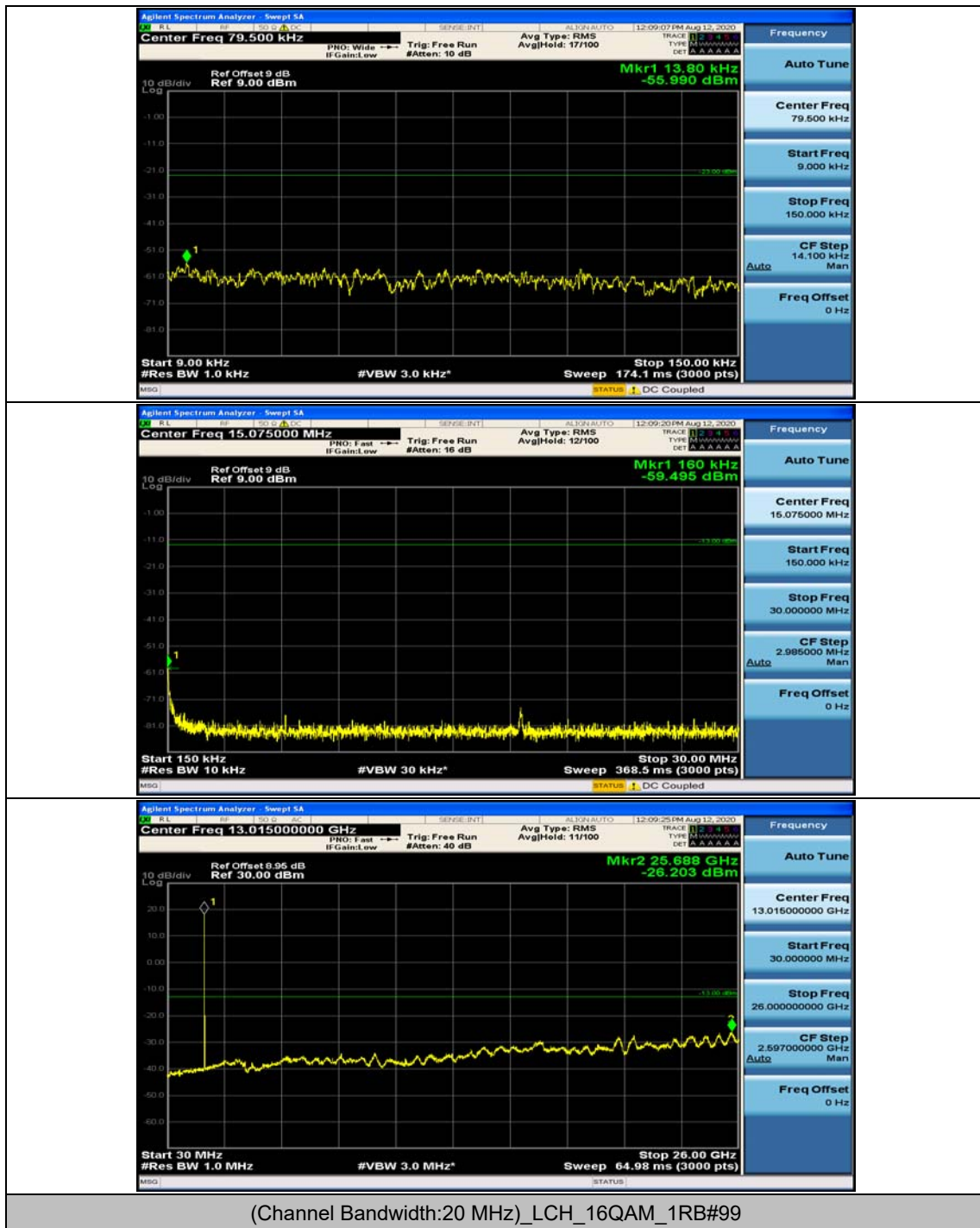


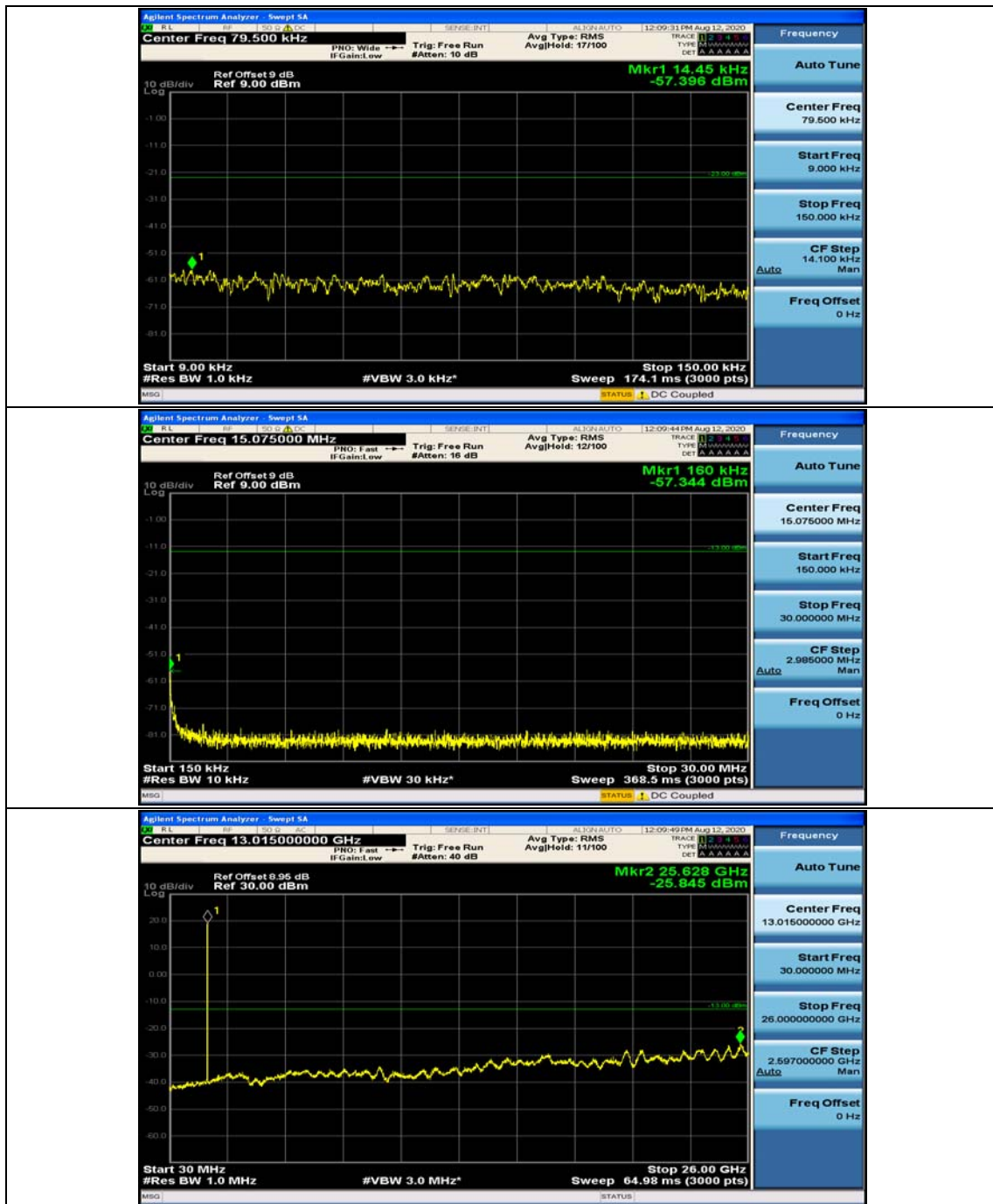


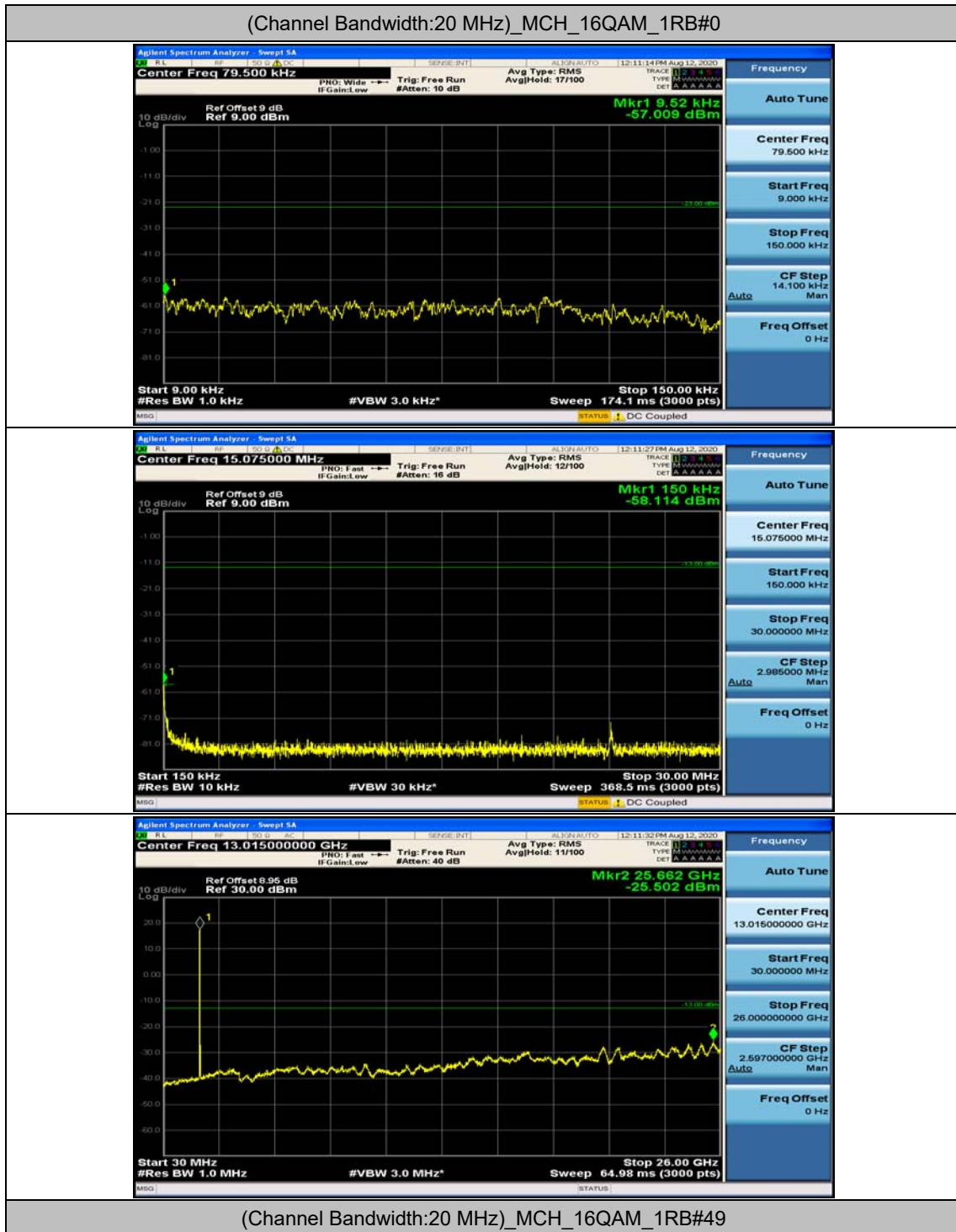


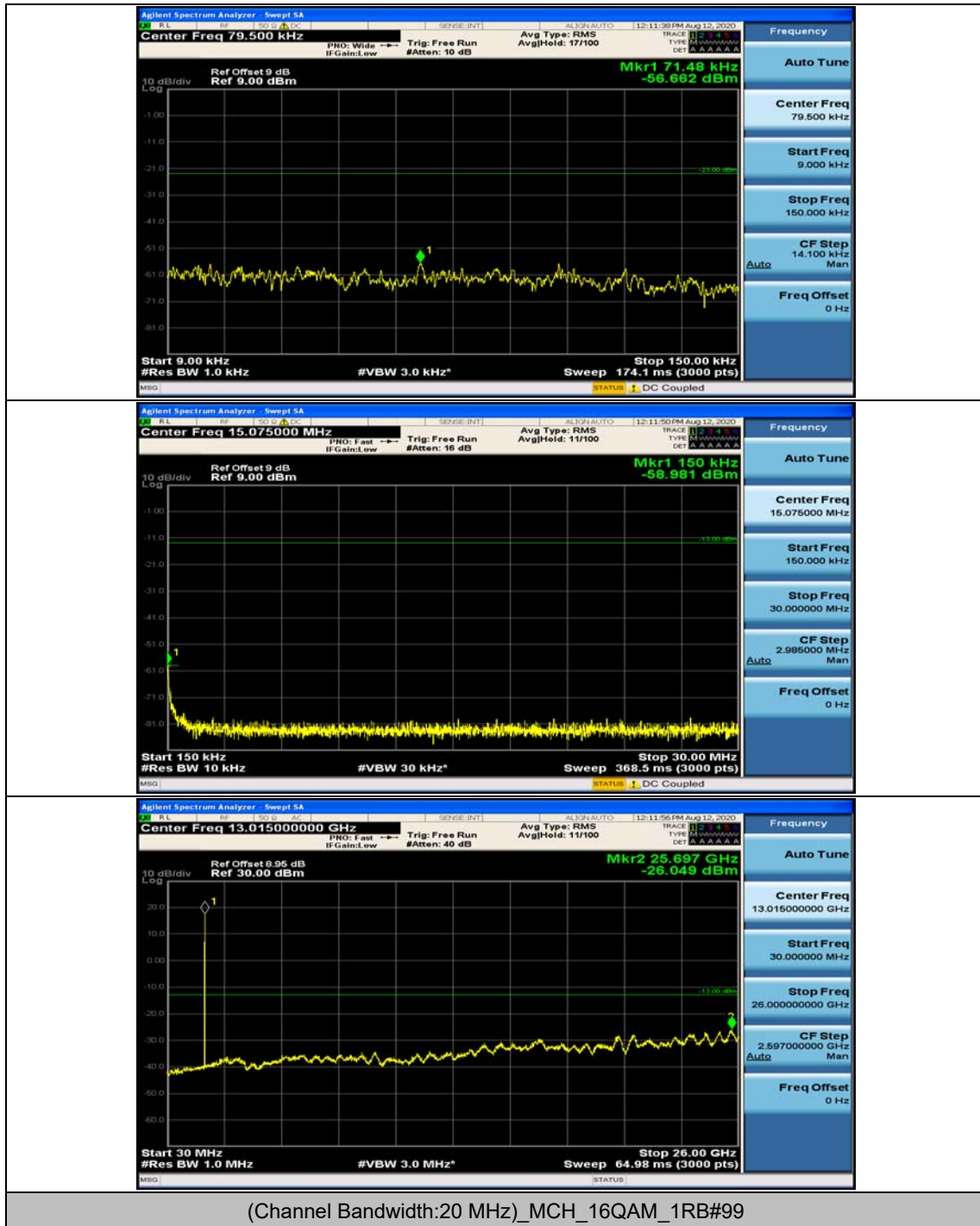


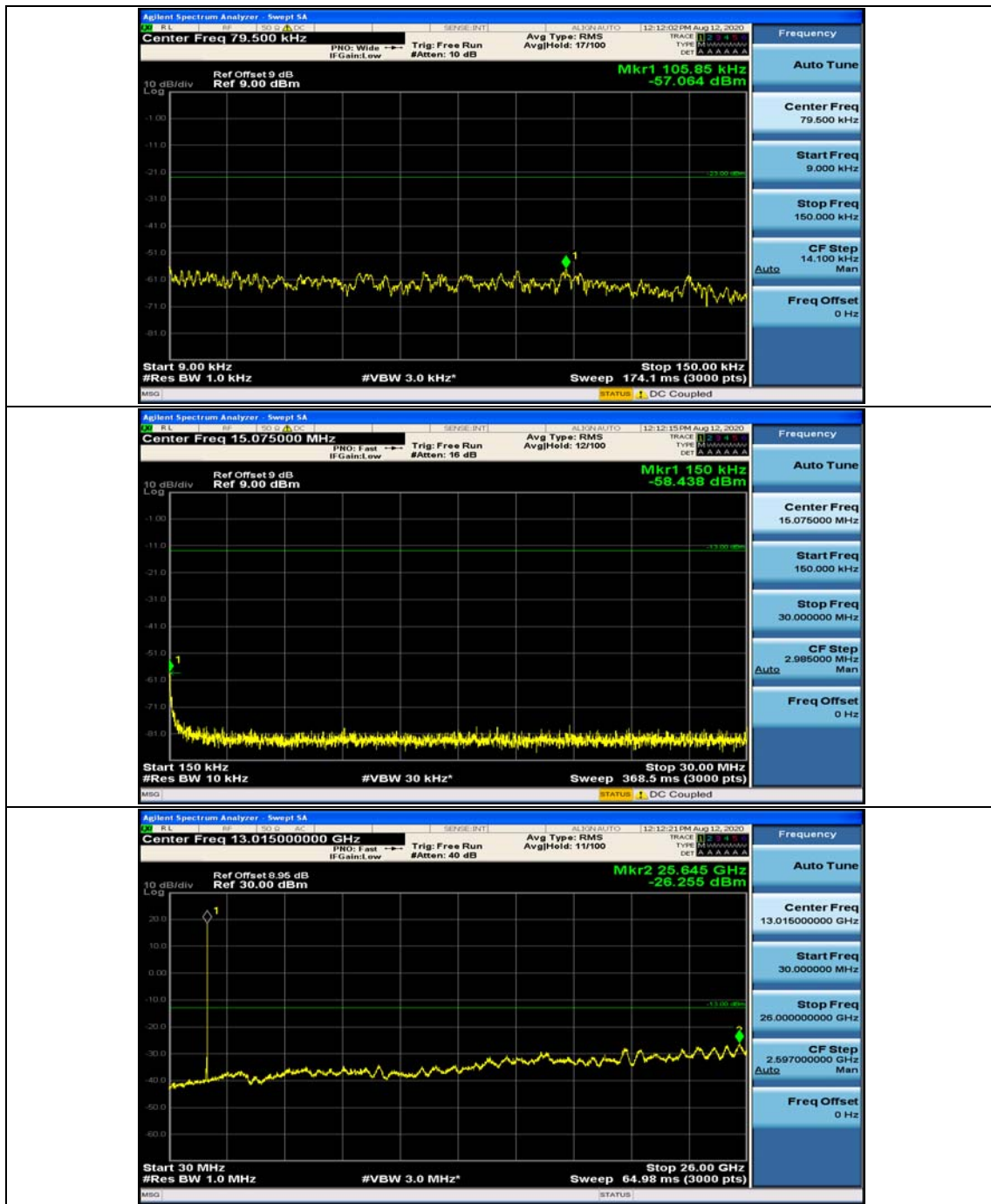


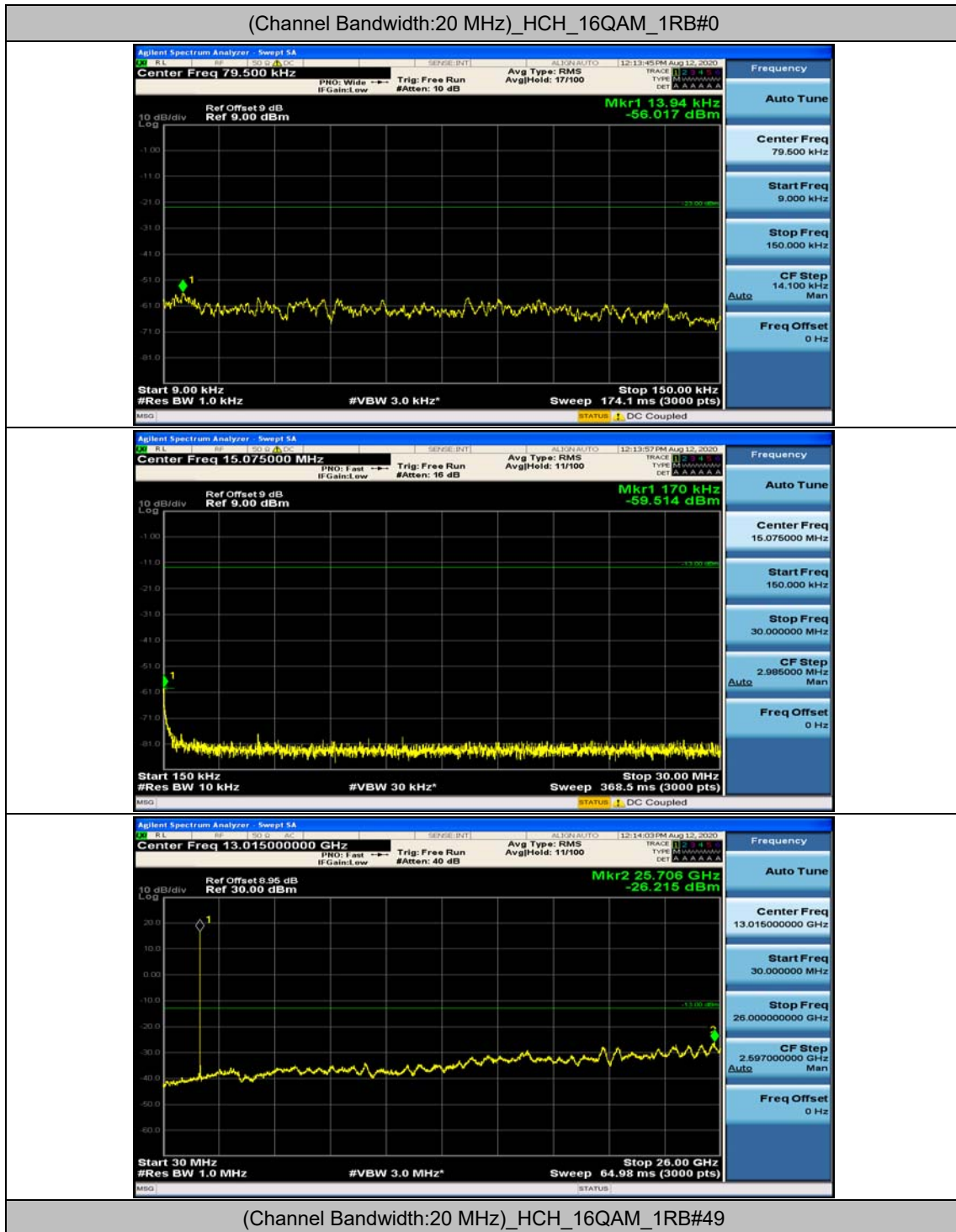


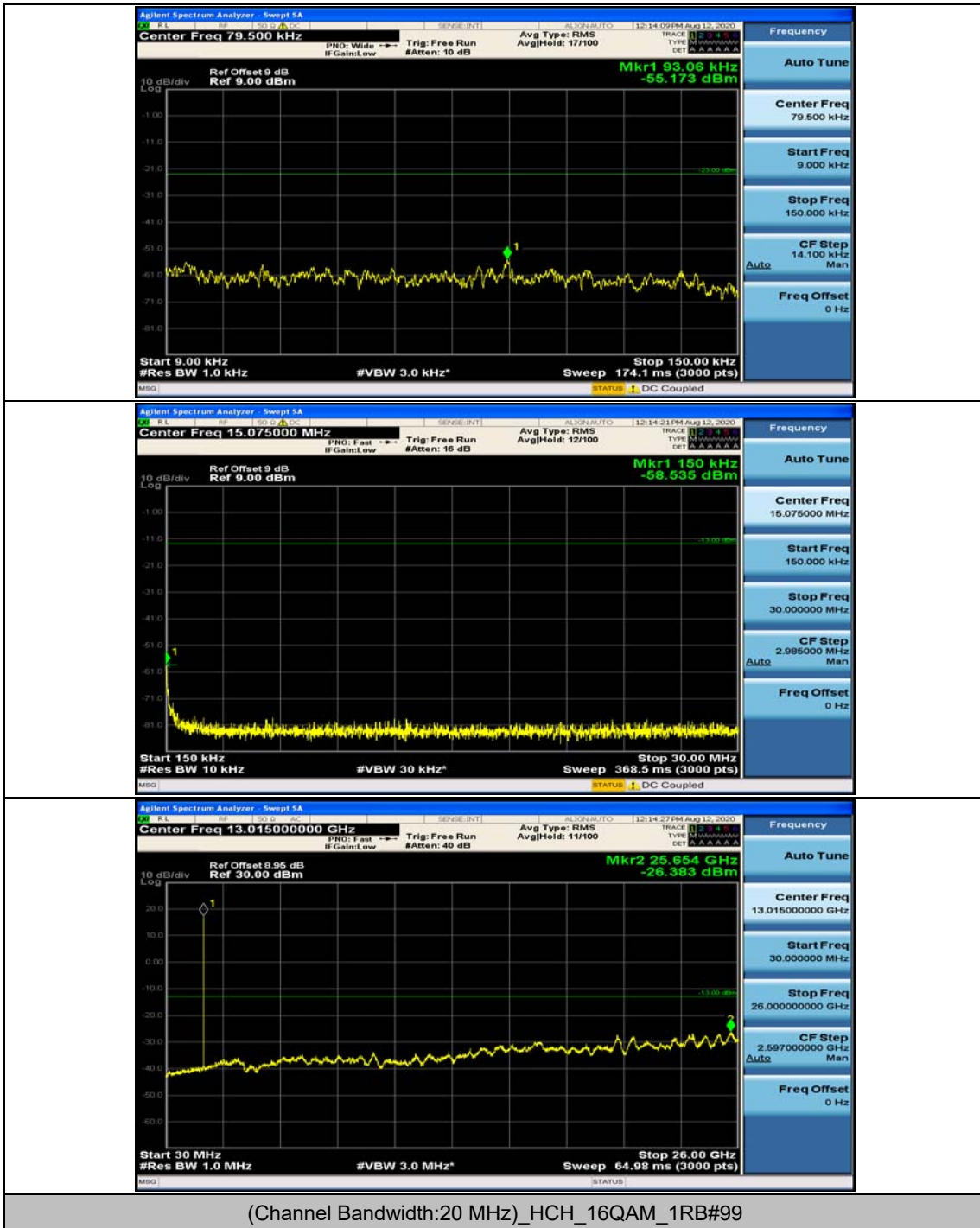


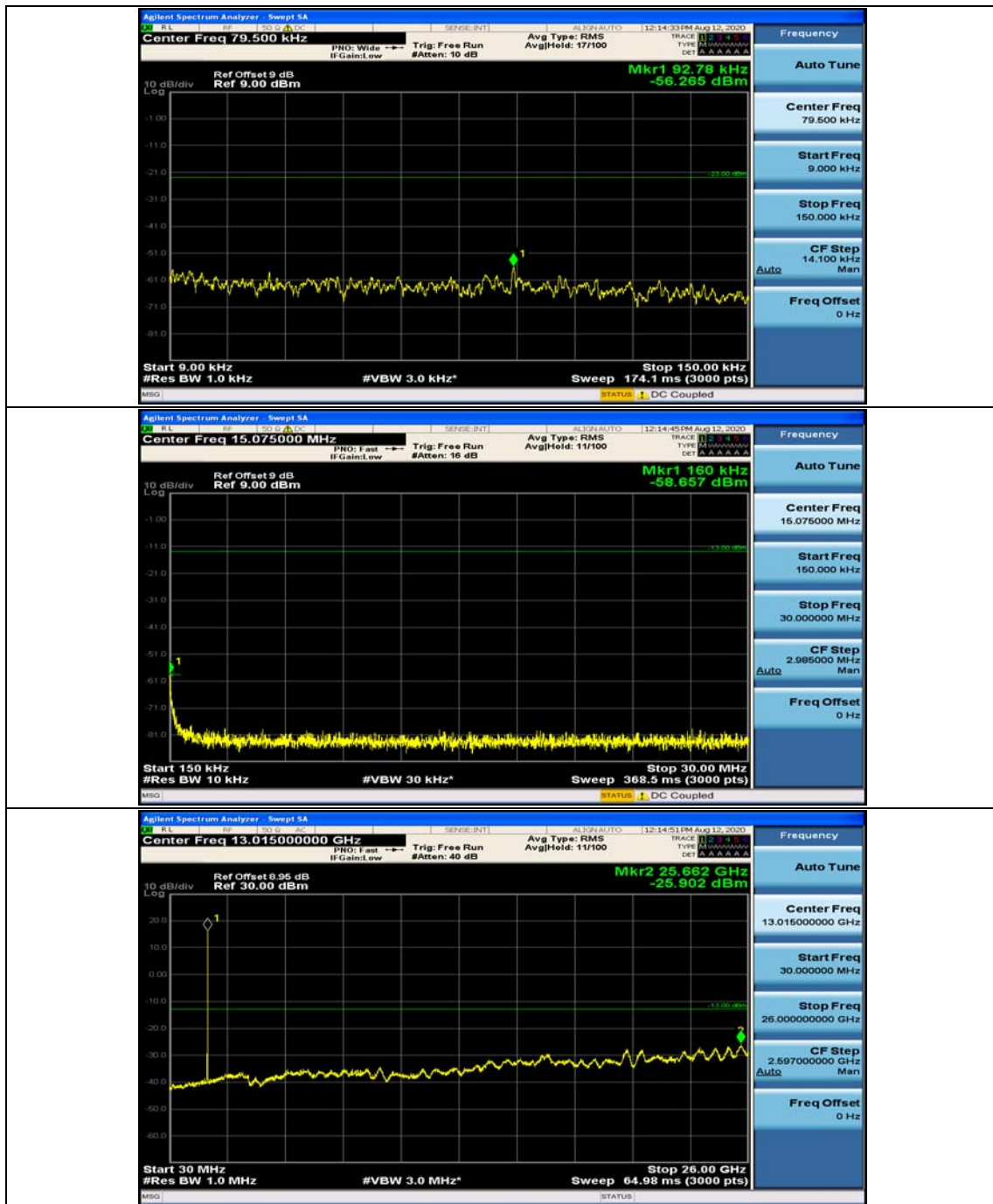












Appendix F: Frequency Stability

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	2.47	0.001444	± 2.5	PASS
		VN	TN	3.46	0.002023	± 2.5	PASS
		VH	TN	-1.82	-0.001064	± 2.5	PASS
	MCH	VL	TN	3.61	0.002084	± 2.5	PASS
		VN	TN	0.18	0.000104	± 2.5	PASS
		VH	TN	2.79	0.001610	± 2.5	PASS
	HCH	VL	TN	-1.71	-0.000975	± 2.5	PASS
		VN	TN	-0.42	-0.000239	± 2.5	PASS
		VH	TN	-0.27	-0.000154	± 2.5	PASS
16QAM	LCH	VL	TN	2.96	0.001730	± 2.5	PASS
		VN	TN	-0.93	-0.000544	± 2.5	PASS
		VH	TN	-0.91	-0.000532	± 2.5	PASS
	MCH	VL	TN	3.32	0.001916	± 2.5	PASS
		VN	TN	4.88	0.002817	± 2.5	PASS
		VH	TN	3.34	0.001928	± 2.5	PASS
	HCH	VL	TN	2.48	0.001414	± 2.5	PASS
		VN	TN	2.53	0.001442	± 2.5	PASS
		VH	TN	0.07	0.000040	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.15	-0.000672	± 2.5	PASS
		VN	-20	-0.2	-0.000117	± 2.5	PASS
		VN	-10	-1.29	-0.000754	± 2.5	PASS
		VN	0	-1.22	-0.000713	± 2.5	PASS
		VN	10	-0.76	-0.000444	± 2.5	PASS
		VN	20	1.68	0.000982	± 2.5	PASS
		VN	30	-1.07	-0.000625	± 2.5	PASS
		VN	40	2.71	0.001584	± 2.5	PASS
		VN	50	4.82	0.002818	± 2.5	PASS
	MCH	VN	-30	3.79	0.002188	± 2.5	PASS

		VN	-20	0.24	0.000139	± 2.5	PASS
		VN	-10	1.18	0.000681	± 2.5	PASS
		VN	0	4.55	0.002626	± 2.5	PASS
		VN	10	0.52	0.000300	± 2.5	PASS
		VN	20	1.91	0.001102	± 2.5	PASS
		VN	30	4.02	0.002320	± 2.5	PASS
		VN	40	3.88	0.002240	± 2.5	PASS
		VN	50	1.67	0.000964	± 2.5	PASS
	HCH	VN	-30	1.41	0.000804	± 2.5	PASS
		VN	-20	-0.92	-0.000524	± 2.5	PASS
		VN	-10	0.3	0.000171	± 2.5	PASS
		VN	0	1.37	0.000781	± 2.5	PASS
		VN	10	-1.68	-0.000958	± 2.5	PASS
		VN	20	2.24	0.001277	± 2.5	PASS
		VN	30	3.26	0.001858	± 2.5	PASS
		VN	40	1.89	0.001077	± 2.5	PASS
		VN	50	0.87	0.000496	± 2.5	PASS
		16QAM	LCH	VN	-30	0.15	0.000088
VN	-20			1.19	0.000696	± 2.5	PASS
VN	-10			4.36	0.002549	± 2.5	PASS
VN	0			3.97	0.002321	± 2.5	PASS
VN	10			-1.33	-0.000777	± 2.5	PASS
VN	20			-0.96	-0.000561	± 2.5	PASS
VN	30			-0.99	-0.000579	± 2.5	PASS
VN	40			-1.75	-0.001023	± 2.5	PASS
VN	50			3.21	0.001876	± 2.5	PASS
MCH	VN		-30	4.99	0.002844	± 2.5	PASS
	VN		-20	0.01	0.000006	± 2.5	PASS
	VN		-10	-0.16	-0.000091	± 2.5	PASS
	VN		0	-0.55	-0.000314	± 2.5	PASS
	VN		10	1.88	0.001072	± 2.5	PASS
	VN		20	0.88	0.000502	± 2.5	PASS
	VN		30	1.33	0.000758	± 2.5	PASS
	VN		40	1.98	0.001129	± 2.5	PASS
	VN		50	3.91	0.002229	± 2.5	PASS
HCH	VN		-30	2.11	0.001203	± 2.5	PASS
	VN		-20	1.14	0.000650	± 2.5	PASS
	VN		-10	3.94	0.002246	± 2.5	PASS
	VN		0	2.44	0.001391	± 2.5	PASS
	VN		10	-0.67	-0.000382	± 2.5	PASS
	VN		20	3.26	0.001858	± 2.5	PASS

		VN	30	1.08	0.000616	± 2.5	PASS
		VN	40	2.2	0.001254	± 2.5	PASS
		VN	50	-0.77	-0.000439	± 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	3.34	0.001952	± 2.5	PASS
		VN	TN	3.3	0.001928	± 2.5	PASS
		VH	TN	2.79	0.001630	± 2.5	PASS
	MCH	VL	TN	-0.24	-0.000139	± 2.5	PASS
		VN	TN	0.59	0.000341	± 2.5	PASS
		VH	TN	0.81	0.000468	± 2.5	PASS
	HCH	VL	TN	2.66	0.001517	± 2.5	PASS
		VN	TN	0.84	0.000479	± 2.5	PASS
		VH	TN	-0.16	-0.000091	± 2.5	PASS
16QAM	LCH	VL	TN	2.29	0.001338	± 2.5	PASS
		VN	TN	2.65	0.001548	± 2.5	PASS
		VH	TN	1.48	0.000865	± 2.5	PASS
	MCH	VL	TN	4.55	0.002626	± 2.5	PASS
		VN	TN	2.66	0.001535	± 2.5	PASS
		VH	TN	0.92	0.000531	± 2.5	PASS
	HCH	VL	TN	3.92	0.002236	± 2.5	PASS
		VN	TN	4.81	0.002743	± 2.5	PASS
		VH	TN	-0.57	-0.000325	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.89	0.001104	± 2.5	PASS
		VN	-20	3.84	0.002244	± 2.5	PASS
		VN	-10	-0.15	-0.000088	± 2.5	PASS
		VN	0	3.68	0.002150	± 2.5	PASS
		VN	10	2.41	0.001408	± 2.5	PASS
		VN	20	0.31	0.000181	± 2.5	PASS
		VN	30	3.56	0.002080	± 2.5	PASS
		VN	40	4.42	0.002583	± 2.5	PASS
		VN	50	0.7	0.000409	± 2.5	PASS
	MCH	VN	-30	1.01	0.000583	± 2.5	PASS

	VN	VN	-20	3.89	0.002245	± 2.5	PASS
		VN	-10	-0.84	-0.000485	± 2.5	PASS
		VN	0	4.42	0.002551	± 2.5	PASS
		VN	10	3.81	0.002199	± 2.5	PASS
		VN	20	0.37	0.000214	± 2.5	PASS
		VN	30	3	0.001732	± 2.5	PASS
		VN	40	2.26	0.001304	± 2.5	PASS
		VN	50	-0.69	-0.000398	± 2.5	PASS
	HCH	VN	-30	1.02	0.000582	± 2.5	PASS
		VN	-20	3.16	0.001802	± 2.5	PASS
		VN	-10	4.93	0.002812	± 2.5	PASS
		VN	0	1.11	0.000633	± 2.5	PASS
		VN	10	4.01	0.002287	± 2.5	PASS
		VN	20	-1.97	-0.001123	± 2.5	PASS
		VN	30	-1.9	-0.001084	± 2.5	PASS
		VN	40	4.1	0.002338	± 2.5	PASS
		VN	50	3.94	0.002247	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.81	-0.000468
VN	-20			-1.16	-0.000670	± 2.5	PASS
VN	-10			0.73	0.000421	± 2.5	PASS
VN	0			4.47	0.002580	± 2.5	PASS
VN	10			0.36	0.000208	± 2.5	PASS
VN	20			2.89	0.001668	± 2.5	PASS
VN	30			-1.96	-0.001131	± 2.5	PASS
VN	40			4.9	0.002828	± 2.5	PASS
VN	50			0.77	0.000444	± 2.5	PASS
MCH	VN		-30	4.42	0.002521	± 2.5	PASS
	VN		-20	-1.91	-0.001089	± 2.5	PASS
	VN		-10	3.26	0.001859	± 2.5	PASS
	VN		0	2.63	0.001500	± 2.5	PASS
	VN		10	-1.55	-0.000884	± 2.5	PASS
	VN		20	1.02	0.000582	± 2.5	PASS
	VN		30	3.45	0.001967	± 2.5	PASS
	VN		40	-1.81	-0.001032	± 2.5	PASS
	VN		50	-0.69	-0.000393	± 2.5	PASS
HCH	VN		-30	-0.36	-0.000205	± 2.5	PASS
	VN		-20	2.54	0.001449	± 2.5	PASS
	VN		-10	-1.58	-0.000901	± 2.5	PASS
	VN		0	4.7	0.002680	± 2.5	PASS
	VN		10	1.86	0.001061	± 2.5	PASS
	VN		20	-0.42	-0.000240	± 2.5	PASS

		VN	30	2.54	0.001449	± 2.5	PASS
		VN	40	-0.61	-0.000348	± 2.5	PASS
		VN	50	1.34	0.000764	± 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	2.44	0.001425	± 2.5	PASS
		VN	TN	-0.22	-0.000128	± 2.5	PASS
		VH	TN	3.62	0.002114	± 2.5	PASS
	MCH	VL	TN	2.51	0.001449	± 2.5	PASS
		VN	TN	0.56	0.000323	± 2.5	PASS
		VH	TN	-0.81	-0.000468	± 2.5	PASS
	HCH	VL	TN	2.54	0.001449	± 2.5	PASS
		VN	TN	-1.52	-0.000867	± 2.5	PASS
		VH	TN	0.02	0.000011	± 2.5	PASS
16QAM	LCH	VL	TN	-0.04	-0.000023	± 2.5	PASS
		VN	TN	3.14	0.001834	± 2.5	PASS
		VH	TN	0.96	0.000561	± 2.5	PASS
	MCH	VL	TN	0.36	0.000208	± 2.5	PASS
		VN	TN	0.42	0.000242	± 2.5	PASS
		VH	TN	2.85	0.001645	± 2.5	PASS
	HCH	VL	TN	0.53	0.000302	± 2.5	PASS
		VN	TN	1.35	0.000770	± 2.5	PASS
		VH	TN	2.16	0.001233	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.73	0.001010	± 2.5	PASS
		VN	-20	1.79	0.001045	± 2.5	PASS
		VN	-10	0.51	0.000298	± 2.5	PASS
		VN	0	4.68	0.002733	± 2.5	PASS
		VN	10	-0.53	-0.000309	± 2.5	PASS
		VN	20	1.2	0.000701	± 2.5	PASS
		VN	30	1.39	0.000812	± 2.5	PASS
		VN	40	-0.04	-0.000023	± 2.5	PASS
		VN	50	3.62	0.002114	± 2.5	PASS
	MCH	VN	-30	0.39	0.000225	± 2.5	PASS

		VN	-20	3.39	0.001957	± 2.5	PASS
		VN	-10	2.68	0.001547	± 2.5	PASS
		VN	0	4.15	0.002395	± 2.5	PASS
		VN	10	1.94	0.001120	± 2.5	PASS
		VN	20	1.23	0.000710	± 2.5	PASS
		VN	30	2.76	0.001593	± 2.5	PASS
		VN	40	4.78	0.002759	± 2.5	PASS
		VN	50	3.43	0.001980	± 2.5	PASS
	HCH	VN	-30	4.25	0.002425	± 2.5	PASS
		VN	-20	-1.37	-0.000718	± 2.5	PASS
		VN	-10	3.41	0.001788	± 2.5	PASS
		VN	0	-0.27	-0.000142	± 2.5	PASS
		VN	10	-0.47	-0.000246	± 2.5	PASS
		VN	20	3.07	0.001609	± 2.5	PASS
		VN	30	0.47	0.000246	± 2.5	PASS
		VN	40	1.32	0.000692	± 2.5	PASS
		VN	50	4.61	0.002417	± 2.5	PASS
		16QAM	LCH	VN	-30	3.79	0.002188
VN	-20			-1.93	-0.001114	± 2.5	PASS
VN	-10			0.42	0.000242	± 2.5	PASS
VN	0			0.73	0.000421	± 2.5	PASS
VN	10			0.4	0.000231	± 2.5	PASS
VN	20			0.83	0.000479	± 2.5	PASS
VN	30			4.25	0.002453	± 2.5	PASS
VN	40			-1.37	-0.000791	± 2.5	PASS
VN	50			-0.17	-0.000098	± 2.5	PASS
MCH	VN		-30	2.68	0.001529	± 2.5	PASS
	VN		-20	3.45	0.001969	± 2.5	PASS
	VN		-10	-1.5	-0.000856	± 2.5	PASS
	VN		0	1.72	0.000981	± 2.5	PASS
	VN		10	1.34	0.000765	± 2.5	PASS
	VN		20	-1.05	-0.000599	± 2.5	PASS
	VN		30	-0.85	-0.000485	± 2.5	PASS
	VN		40	1.25	0.000713	± 2.5	PASS
	VN		50	-0.64	-0.000365	± 2.5	PASS
HCH	VN		-30	-0.82	-0.000430	± 2.5	PASS
	VN		-20	-0.83	-0.000435	± 2.5	PASS
	VN		-10	0.01	0.000005	± 2.5	PASS
	VN		0	0.16	0.000084	± 2.5	PASS
	VN		10	-1.25	-0.000655	± 2.5	PASS
	VN		20	-0.07	-0.000037	± 2.5	PASS

		VN	30	0.72	0.000377	± 2.5	PASS
		VN	40	1.32	0.000692	± 2.5	PASS
		VN	50	-1.14	-0.000598	± 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	4.83	0.002816	± 2.5	PASS
		VN	TN	3.67	0.002140	± 2.5	PASS
		VH	TN	4.65	0.002711	± 2.5	PASS
	MCH	VL	TN	1.6	0.000924	± 2.5	PASS
		VN	TN	0.02	0.000012	± 2.5	PASS
		VH	TN	1.42	0.000820	± 2.5	PASS
	HCH	VL	TN	0.29	0.000166	± 2.5	PASS
		VN	TN	2.26	0.001291	± 2.5	PASS
		VH	TN	4.26	0.002434	± 2.5	PASS
16QAM	LCH	VL	TN	0.44	0.000257	± 2.5	PASS
		VN	TN	0.05	0.000029	± 2.5	PASS
		VH	TN	0.01	0.000006	± 2.5	PASS
	MCH	VL	TN	2.76	0.001593	± 2.5	PASS
		VN	TN	2.38	0.001374	± 2.5	PASS
		VH	TN	-0.92	-0.000531	± 2.5	PASS
	HCH	VL	TN	4.36	0.002491	± 2.5	PASS
		VN	TN	2.53	0.001446	± 2.5	PASS
		VH	TN	-1.09	-0.000623	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.57	0.002665	± 2.5	PASS
		VN	-20	0.05	0.000029	± 2.5	PASS
		VN	-10	0.86	0.000501	± 2.5	PASS
		VN	0	2.14	0.001248	± 2.5	PASS
		VN	10	2.88	0.001679	± 2.5	PASS
		VN	20	0.14	0.000082	± 2.5	PASS
		VN	30	1.09	0.000636	± 2.5	PASS
		VN	40	-0.86	-0.000501	± 2.5	PASS
		VN	50	2.05	0.001195	± 2.5	PASS
	MCH	VN	-30	-1.55	-0.000895	± 2.5	PASS

		VN	-20	-0.12	-0.000069	± 2.5	PASS
		VN	-10	1.69	0.000975	± 2.5	PASS
		VN	0	3.8	0.002193	± 2.5	PASS
		VN	10	0.72	0.000416	± 2.5	PASS
		VN	20	1.57	0.000906	± 2.5	PASS
		VN	30	3.26	0.001882	± 2.5	PASS
		VN	40	-0.5	-0.000289	± 2.5	PASS
		VN	50	0.41	0.000237	± 2.5	PASS
	HCH	VN	-30	-0.88	-0.000503	± 2.5	PASS
		VN	-20	2.19	0.001251	± 2.5	PASS
		VN	-10	-1.89	-0.001080	± 2.5	PASS
		VN	0	1.3	0.000743	± 2.5	PASS
		VN	10	-0.08	-0.000046	± 2.5	PASS
		VN	20	-0.98	-0.000560	± 2.5	PASS
		VN	30	3.2	0.001829	± 2.5	PASS
		VN	40	-0.38	-0.000217	± 2.5	PASS
		VN	50	-0.73	-0.000417	± 2.5	PASS
		16QAM	LCH	VN	-30	1.28	0.000739
VN	-20			3.82	0.002205	± 2.5	PASS
VN	-10			1.8	0.001039	± 2.5	PASS
VN	0			0.45	0.000260	± 2.5	PASS
VN	10			-1.57	-0.000906	± 2.5	PASS
VN	20			4.09	0.002361	± 2.5	PASS
VN	30			-0.93	-0.000537	± 2.5	PASS
VN	40			-1.21	-0.000698	± 2.5	PASS
VN	50			-1.79	-0.001033	± 2.5	PASS
MCH	VN		-30	0.43	0.000246	± 2.5	PASS
	VN		-20	-0.52	-0.000297	± 2.5	PASS
	VN		-10	4.38	0.002503	± 2.5	PASS
	VN		0	3.94	0.002251	± 2.5	PASS
	VN		10	-1.8	-0.001029	± 2.5	PASS
	VN		20	3.98	0.002274	± 2.5	PASS
	VN		30	1.84	0.001051	± 2.5	PASS
	VN		40	1.68	0.000960	± 2.5	PASS
	VN		50	-0.27	-0.000154	± 2.5	PASS
HCH	VN		-30	4.83	0.002760	± 2.5	PASS
	VN		-20	-1.18	-0.000674	± 2.5	PASS
	VN		-10	1.26	0.000720	± 2.5	PASS
	VN		0	3.97	0.002269	± 2.5	PASS
	VN		10	2.44	0.001394	± 2.5	PASS
	VN		20	4.05	0.002314	± 2.5	PASS

		VN	30	1.71	0.000977	± 2.5	PASS
		VN	40	1.6	0.000914	± 2.5	PASS
		VN	50	1.63	0.000931	± 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	2.25	0.001310	± 2.5	PASS
		VN	TN	3.96	0.002306	± 2.5	PASS
		VH	TN	-1.61	-0.000937	± 2.5	PASS
	MCH	VL	TN	2.43	0.001403	± 2.5	PASS
		VN	TN	-0.57	-0.000329	± 2.5	PASS
		VH	TN	1.92	0.001108	± 2.5	PASS
	HCH	VL	TN	-0.42	-0.000240	± 2.5	PASS
		VN	TN	2.54	0.001454	± 2.5	PASS
		VH	TN	0.19	0.000109	± 2.5	PASS
16QAM	LCH	VL	TN	3.81	0.002218	± 2.5	PASS
		VN	TN	-1.75	-0.001019	± 2.5	PASS
		VH	TN	-0.7	-0.000408	± 2.5	PASS
	MCH	VL	TN	1.78	0.001027	± 2.5	PASS
		VN	TN	1.16	0.000670	± 2.5	PASS
		VH	TN	3.26	0.001882	± 2.5	PASS
	HCH	VL	TN	4.06	0.002323	± 2.5	PASS
		VN	TN	3.09	0.001768	± 2.5	PASS
		VH	TN	2.73	0.001562	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.43	0.001415	± 2.5	PASS
		VN	-20	2.63	0.001531	± 2.5	PASS
		VN	-10	2.17	0.001263	± 2.5	PASS
		VN	0	3.45	0.002009	± 2.5	PASS
		VN	10	0.71	0.000413	± 2.5	PASS
		VN	20	0.3	0.000175	± 2.5	PASS
		VN	30	-0.66	-0.000384	± 2.5	PASS
		VN	40	2.36	0.001374	± 2.5	PASS
		VN	50	-0.65	-0.000378	± 2.5	PASS
	MCH	VN	-30	2.96	0.001709	± 2.5	PASS

		VN	-20	3.19	0.001841	± 2.5	PASS
		VN	-10	1.02	0.000589	± 2.5	PASS
		VN	0	1.14	0.000658	± 2.5	PASS
		VN	10	3.48	0.002009	± 2.5	PASS
		VN	20	-0.37	-0.000214	± 2.5	PASS
		VN	30	1.5	0.000866	± 2.5	PASS
		VN	40	4.03	0.002326	± 2.5	PASS
		VN	50	-1	-0.000577	± 2.5	PASS
	HCH	VN	-30	3.48	0.001991	± 2.5	PASS
		VN	-20	0.38	0.000217	± 2.5	PASS
		VN	-10	2.97	0.001700	± 2.5	PASS
		VN	0	2.68	0.001534	± 2.5	PASS
		VN	10	0.39	0.000223	± 2.5	PASS
		VN	20	3.29	0.001883	± 2.5	PASS
		VN	30	-1.26	-0.000721	± 2.5	PASS
		VN	40	1.51	0.000864	± 2.5	PASS
		VN	50	3.71	0.002123	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.64	-0.000947
VN	-20			1.49	0.000860	± 2.5	PASS
VN	-10			-0.12	-0.000069	± 2.5	PASS
VN	0			2.66	0.001535	± 2.5	PASS
VN	10			3.29	0.001899	± 2.5	PASS
VN	20			2.62	0.001512	± 2.5	PASS
VN	30			-0.68	-0.000392	± 2.5	PASS
VN	40			1.51	0.000872	± 2.5	PASS
VN	50			2.9	0.001674	± 2.5	PASS
MCH	VN		-30	4.8	0.002747	± 2.5	PASS
	VN		-20	-1.86	-0.001064	± 2.5	PASS
	VN		-10	4.1	0.002346	± 2.5	PASS
	VN		0	1.82	0.001041	± 2.5	PASS
	VN		10	-0.78	-0.000446	± 2.5	PASS
	VN		20	1.84	0.001053	± 2.5	PASS
	VN		30	3.67	0.002100	± 2.5	PASS
	VN		40	-0.07	-0.000040	± 2.5	PASS
	VN		50	4.96	0.002838	± 2.5	PASS
HCH	VN		-30	4.76	0.002724	± 2.5	PASS
	VN		-20	2.74	0.001568	± 2.5	PASS
	VN		-10	-1.25	-0.000715	± 2.5	PASS
	VN		0	-0.7	-0.000401	± 2.5	PASS
	VN		10	-0.66	-0.000378	± 2.5	PASS
	VN		20	0.63	0.000361	± 2.5	PASS

		VN	30	1.15	0.000658	± 2.5	PASS
		VN	40	-1.38	-0.000790	± 2.5	PASS
		VN	50	0.53	0.000303	± 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	3.41	0.001983	± 2.5	PASS
		VN	TN	0.64	0.000372	± 2.5	PASS
		VH	TN	-1.98	-0.001151	± 2.5	PASS
	MCH	VL	TN	4.04	0.002332	± 2.5	PASS
		VN	TN	2.26	0.001304	± 2.5	PASS
		VH	TN	-1.14	-0.000658	± 2.5	PASS
	HCH	VL	TN	2.05	0.001175	± 2.5	PASS
		VN	TN	3.69	0.002115	± 2.5	PASS
		VH	TN	-0.24	-0.000138	± 2.5	PASS
16QAM	LCH	VL	TN	1.14	0.000663	± 2.5	PASS
		VN	TN	3.36	0.001953	± 2.5	PASS
		VH	TN	3.84	0.002233	± 2.5	PASS
	MCH	VL	TN	2.42	0.001397	± 2.5	PASS
		VN	TN	0.09	0.000052	± 2.5	PASS
		VH	TN	0.08	0.000046	± 2.5	PASS
	HCH	VL	TN	4.93	0.002825	± 2.5	PASS
		VN	TN	1.01	0.000579	± 2.5	PASS
		VH	TN	0.13	0.000074	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.5	-0.000872	± 2.5	PASS
		VN	-20	3.96	0.002302	± 2.5	PASS
		VN	-10	-1.87	-0.001087	± 2.5	PASS
		VN	0	-0.38	-0.000221	± 2.5	PASS
		VN	10	-0.85	-0.000494	± 2.5	PASS
		VN	20	-0.59	-0.000343	± 2.5	PASS
		VN	30	0.42	0.000244	± 2.5	PASS
		VN	40	-1.95	-0.001134	± 2.5	PASS
		VN	50	0.76	0.000442	± 2.5	PASS
	MCH	VN	-30	0.11	0.000063	± 2.5	PASS

		VN	-20	4.33	0.002499	± 2.5	PASS
		VN	-10	3.33	0.001922	± 2.5	PASS
		VN	0	-0.04	-0.000023	± 2.5	PASS
		VN	10	0.65	0.000375	± 2.5	PASS
		VN	20	4.75	0.002742	± 2.5	PASS
		VN	30	-0.43	-0.000248	± 2.5	PASS
		VN	40	-0.37	-0.000214	± 2.5	PASS
		VN	50	2.33	0.001345	± 2.5	PASS
	HCH	VN	-30	0.66	0.000378	± 2.5	PASS
		VN	-20	1.57	0.000900	± 2.5	PASS
		VN	-10	-0.87	-0.000499	± 2.5	PASS
		VN	0	-1.49	-0.000854	± 2.5	PASS
		VN	10	3.73	0.002138	± 2.5	PASS
		VN	20	0.44	0.000252	± 2.5	PASS
		VN	30	1.08	0.000619	± 2.5	PASS
		VN	40	2.05	0.001175	± 2.5	PASS
		VN	50	-1.11	-0.000636	± 2.5	PASS
		16QAM	LCH	VN	-30	1.41	0.000814
VN	-20			2.14	0.001235	± 2.5	PASS
VN	-10			2.56	0.001478	± 2.5	PASS
VN	0			3.97	0.002291	± 2.5	PASS
VN	10			1.09	0.000629	± 2.5	PASS
VN	20			4.01	0.002315	± 2.5	PASS
VN	30			3.28	0.001893	± 2.5	PASS
VN	40			2.11	0.001218	± 2.5	PASS
VN	50			-0.12	-0.000069	± 2.5	PASS
MCH	VN		-30	4.95	0.002837	± 2.5	PASS
	VN		-20	4.22	0.002418	± 2.5	PASS
	VN		-10	2.21	0.001266	± 2.5	PASS
	VN		0	0.99	0.000567	± 2.5	PASS
	VN		10	-0.51	-0.000292	± 2.5	PASS
	VN		20	-1.09	-0.000625	± 2.5	PASS
	VN		30	1.44	0.000825	± 2.5	PASS
	VN		40	-1.23	-0.000705	± 2.5	PASS
	VN		50	0.74	0.000424	± 2.5	PASS
HCH	VN		-30	4.65	0.002665	± 2.5	PASS
	VN		-20	-0.91	-0.000521	± 2.5	PASS
	VN		-10	1.39	0.000797	± 2.5	PASS
	VN		0	2.29	0.001312	± 2.5	PASS
	VN		10	0.13	0.000074	± 2.5	PASS
	VN		20	4.99	0.002860	± 2.5	PASS

		VN	30	-0.17	-0.000097	± 2.5	PASS
		VN	40	4.92	0.002819	± 2.5	PASS
		VN	50	-0.87	-0.000499	± 2.5	PASS