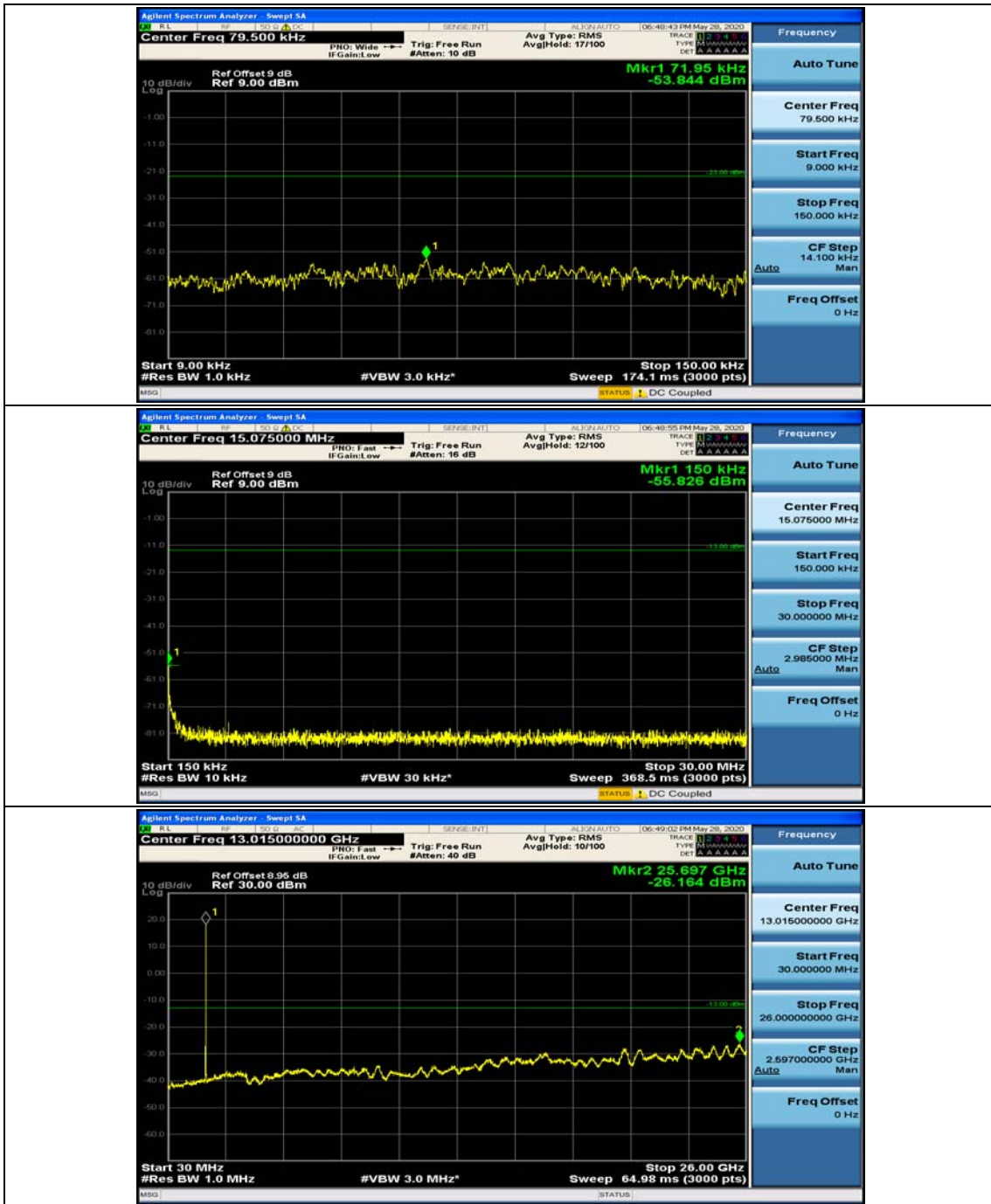
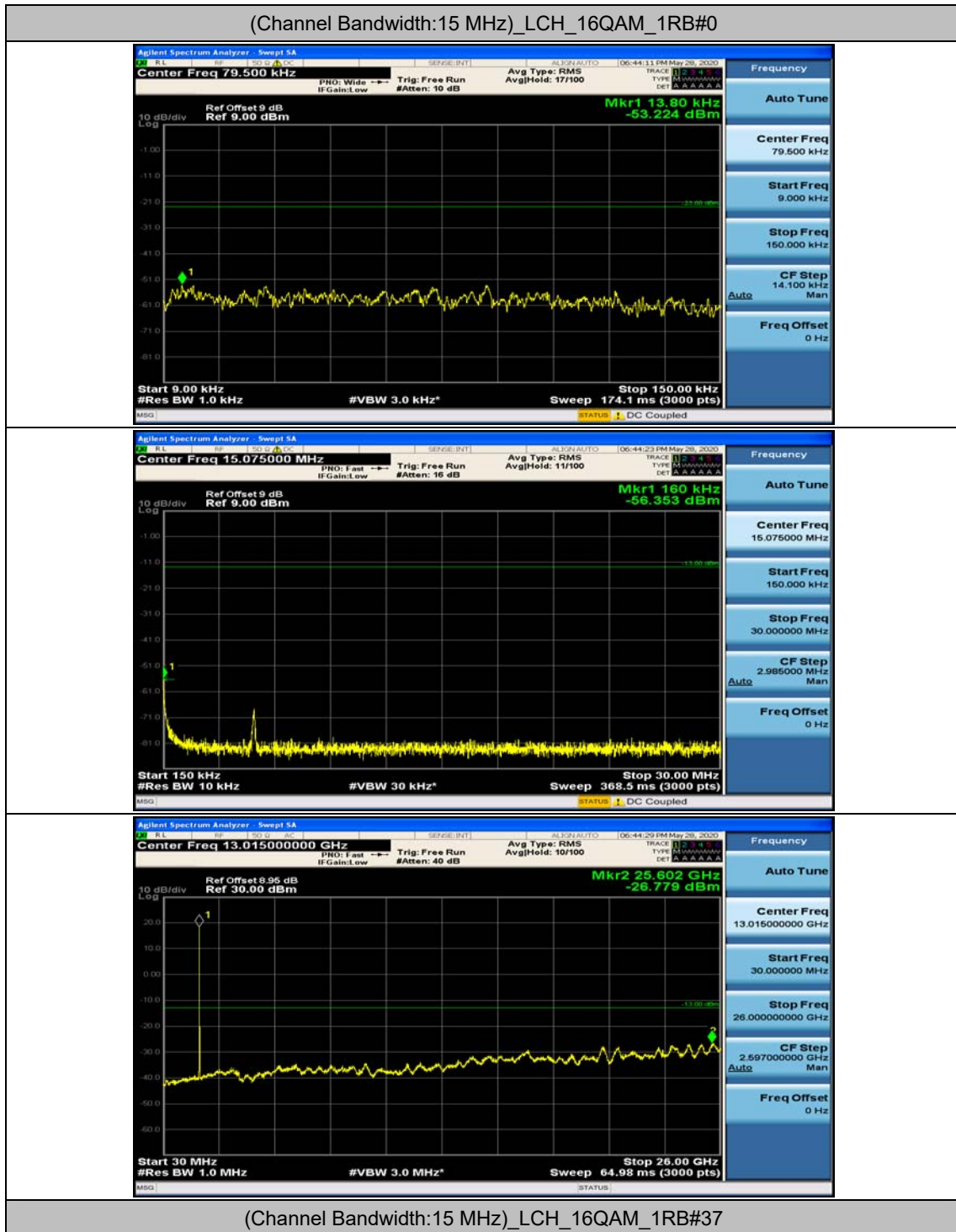
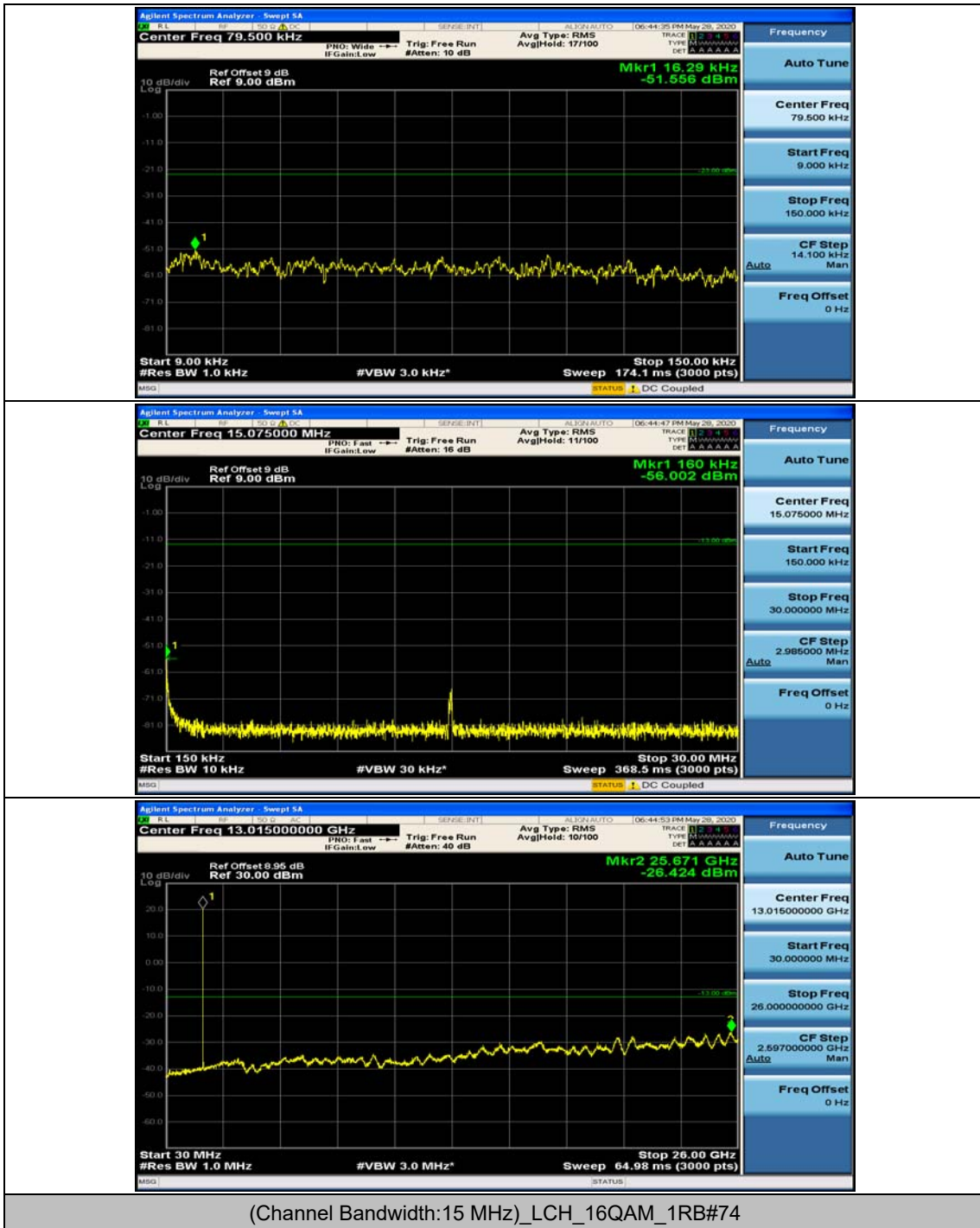


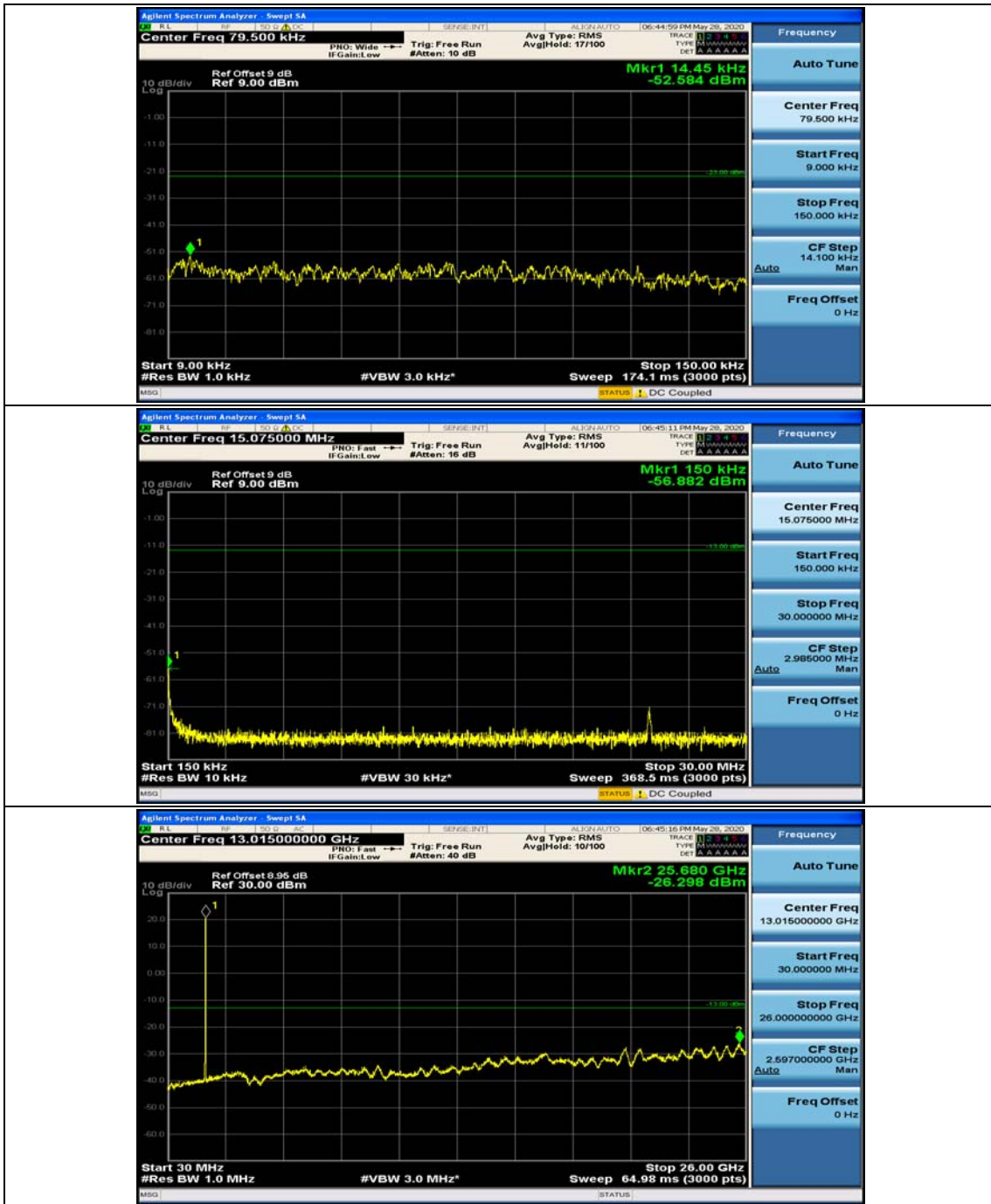
(Channel Bandwidth:15 MHz)\_HCH\_QPSK\_1RB#74

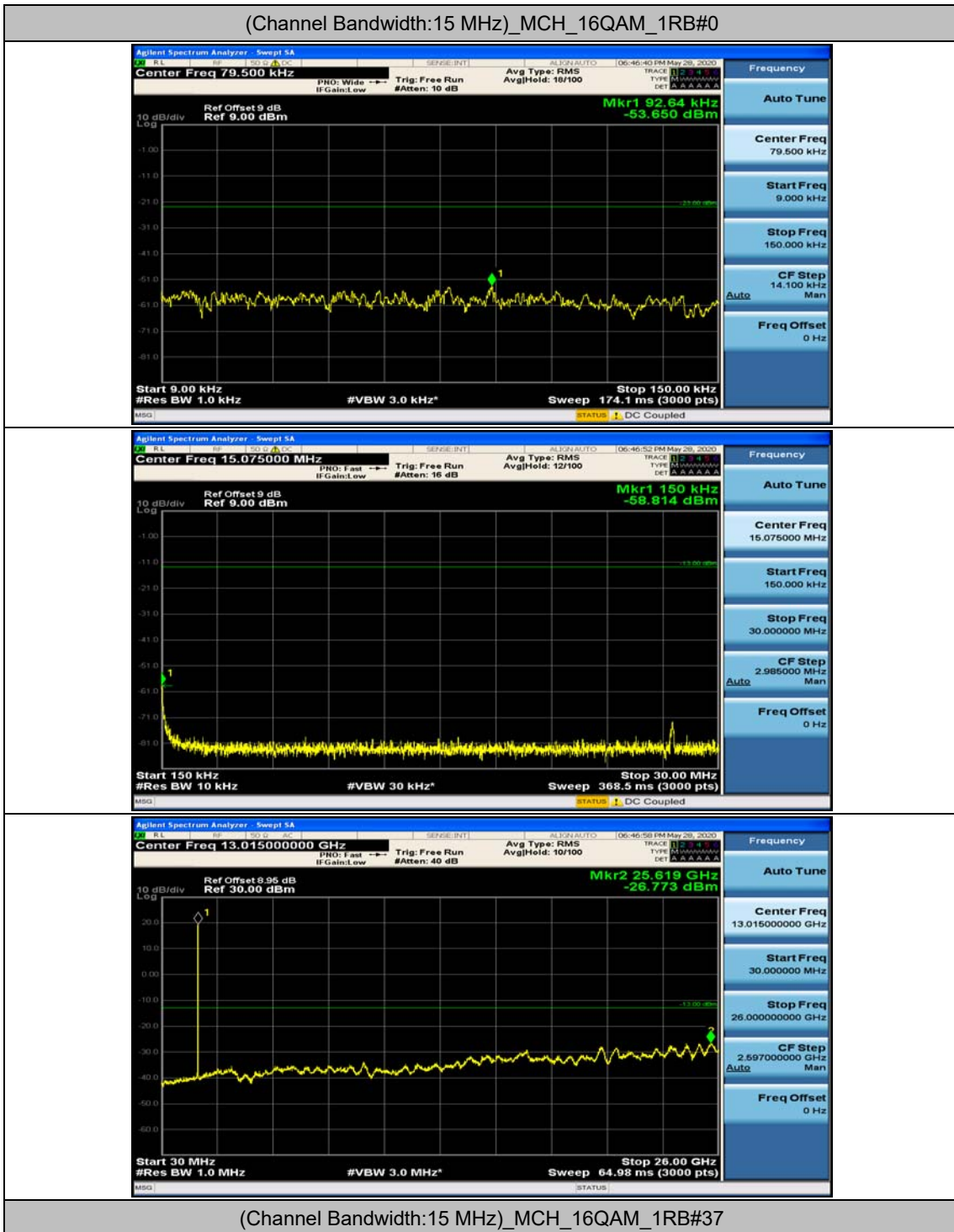


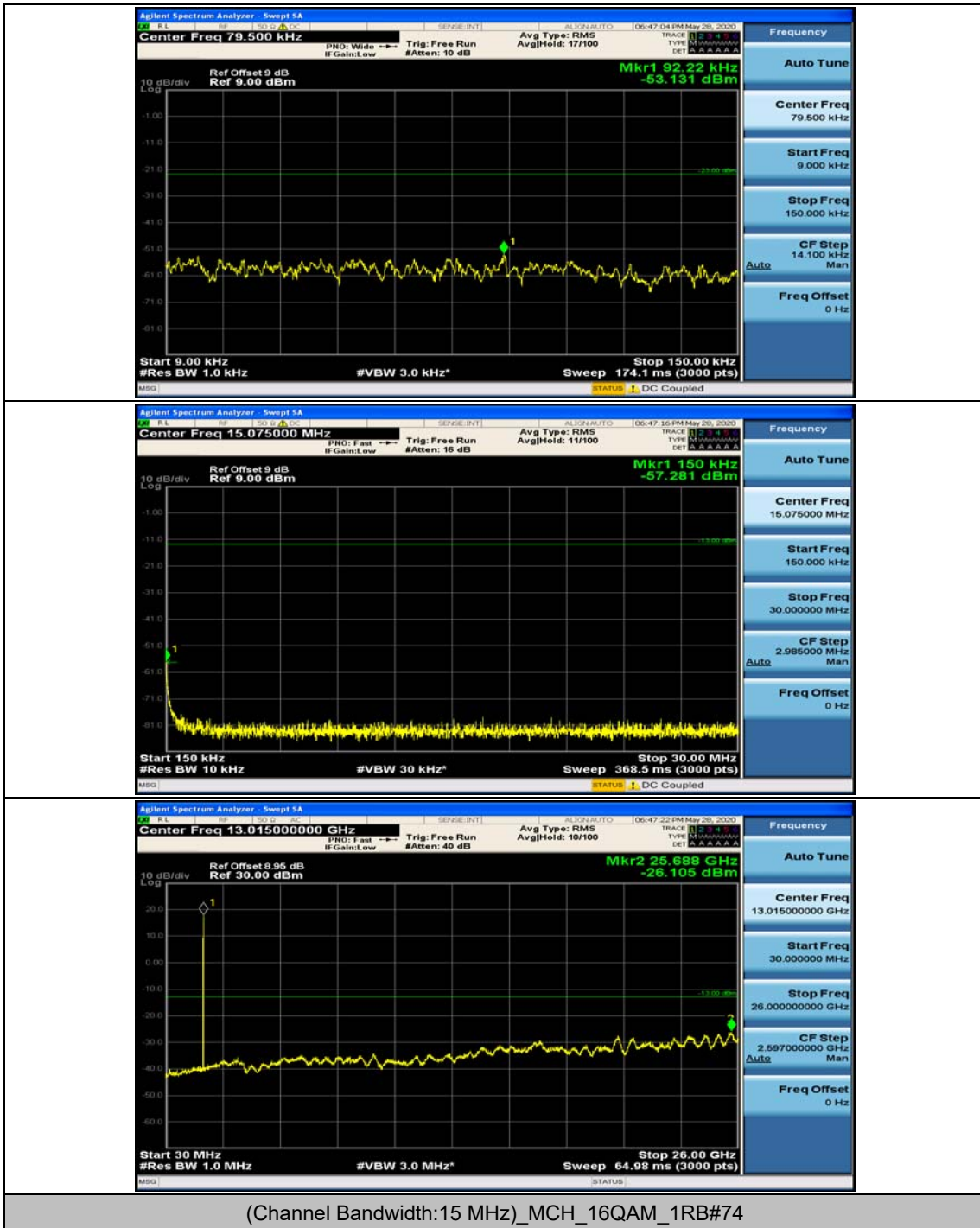




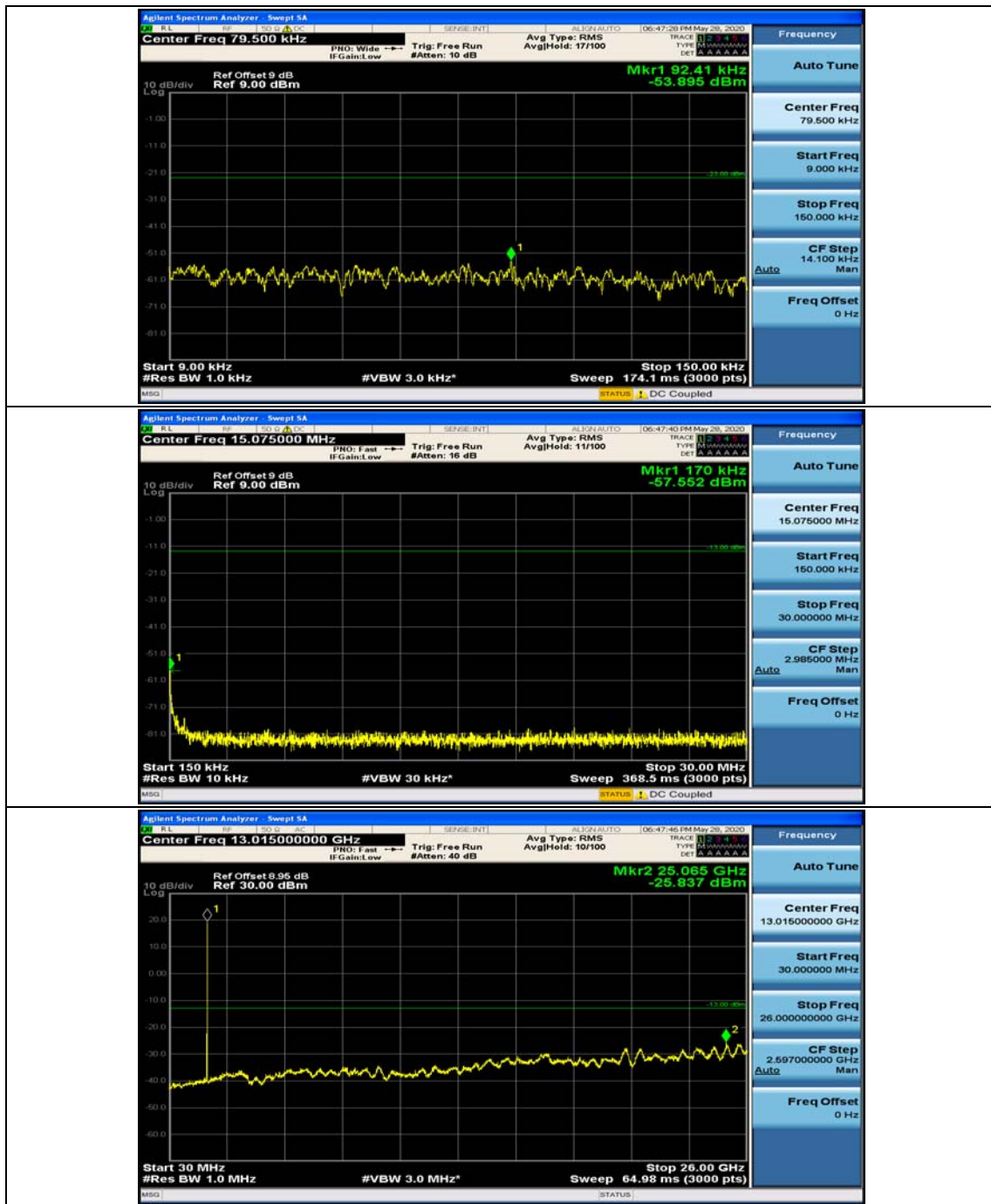




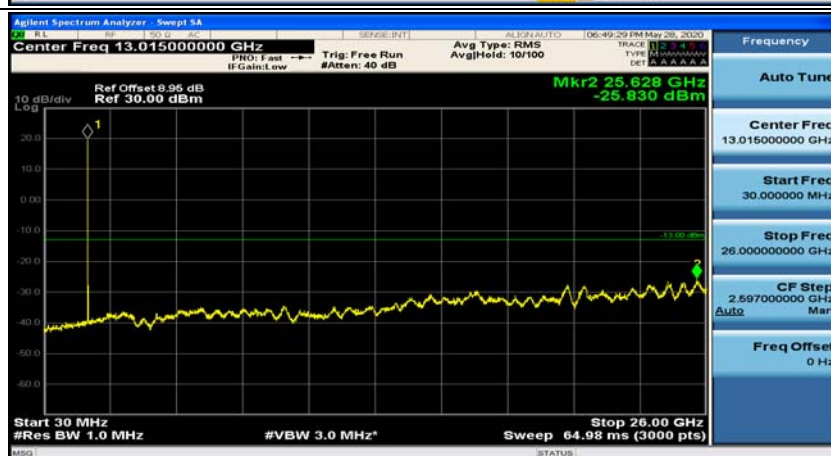
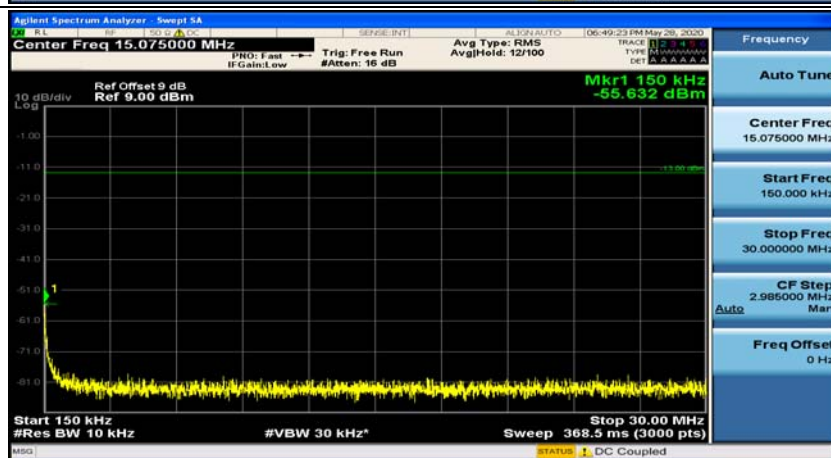
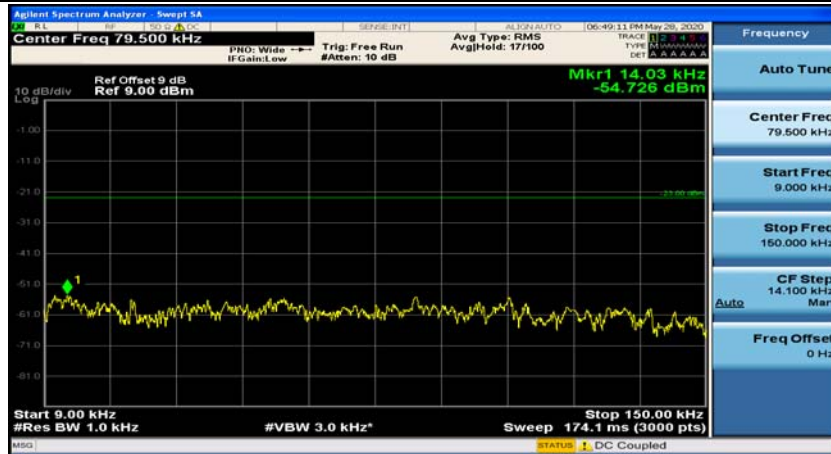




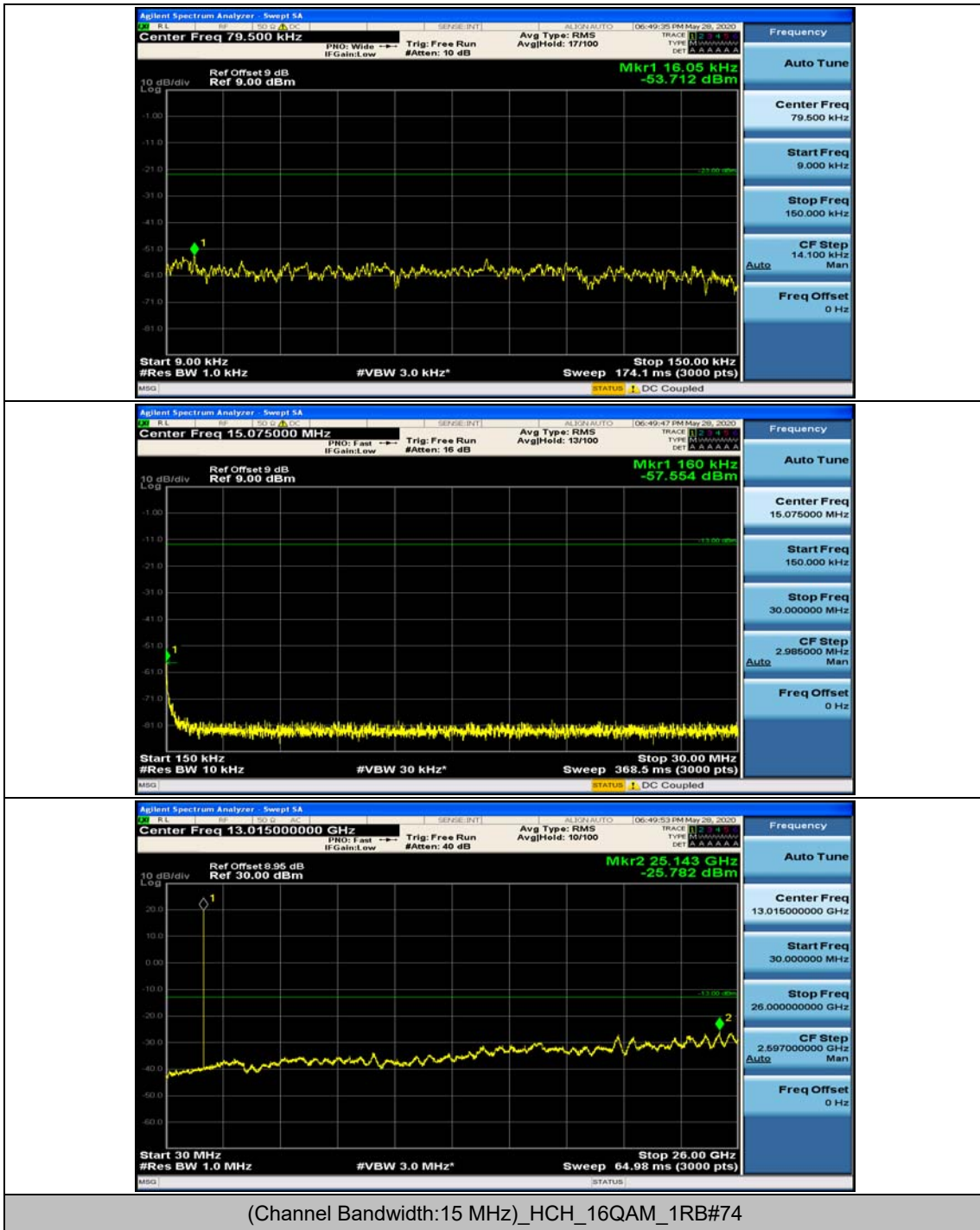


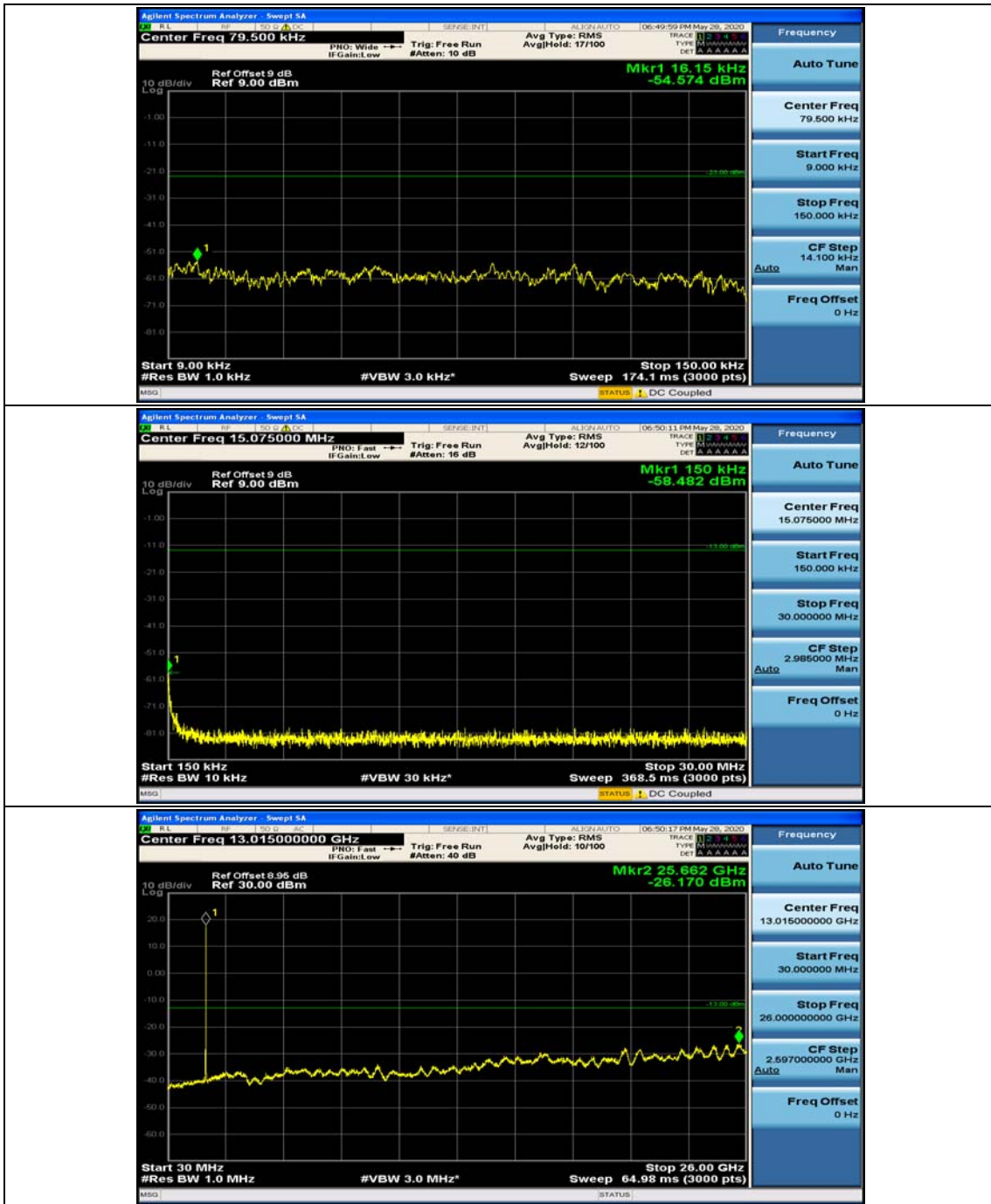


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#0

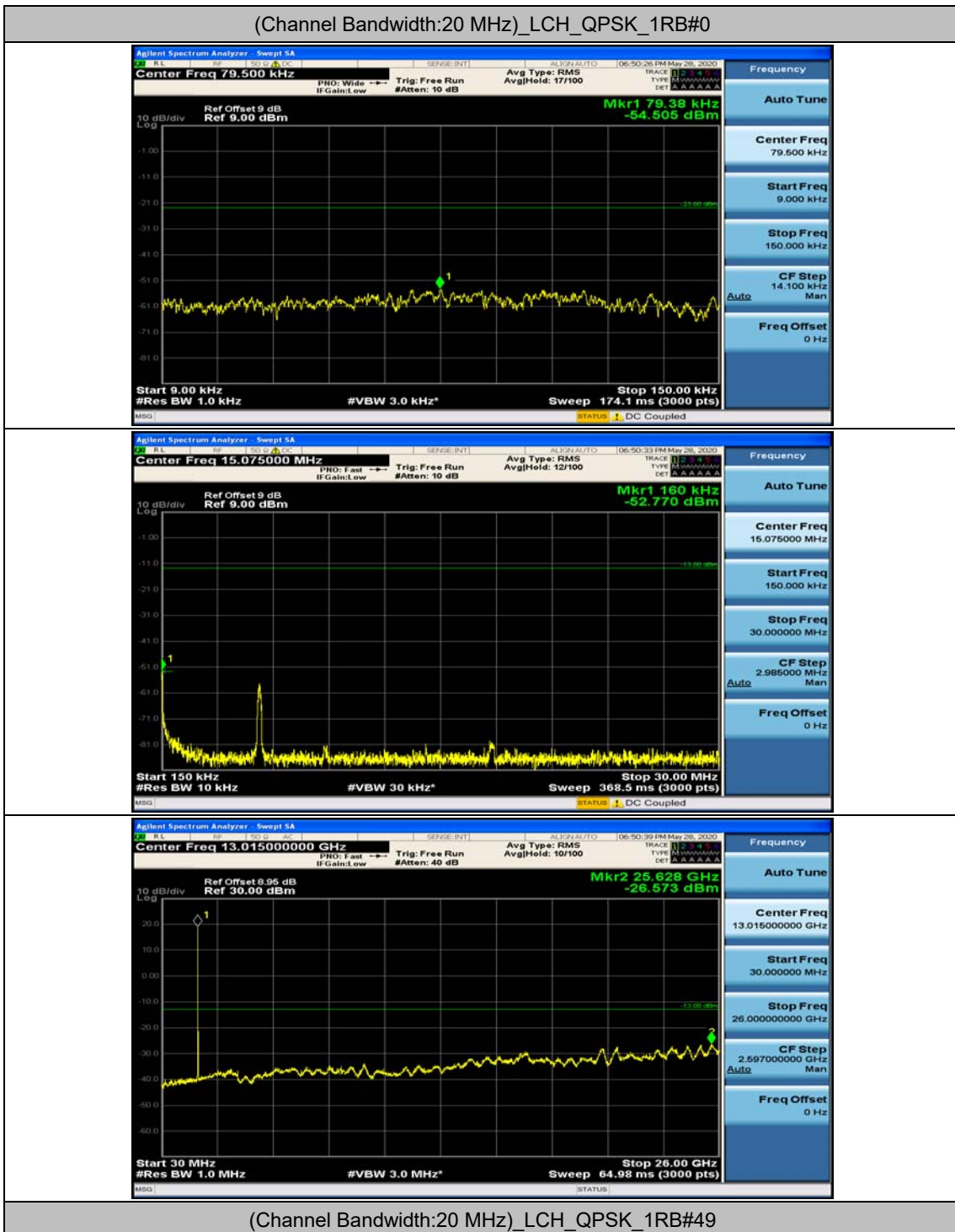


(Channel Bandwidth:15 MHz)\_HCH\_16QAM\_1RB#37

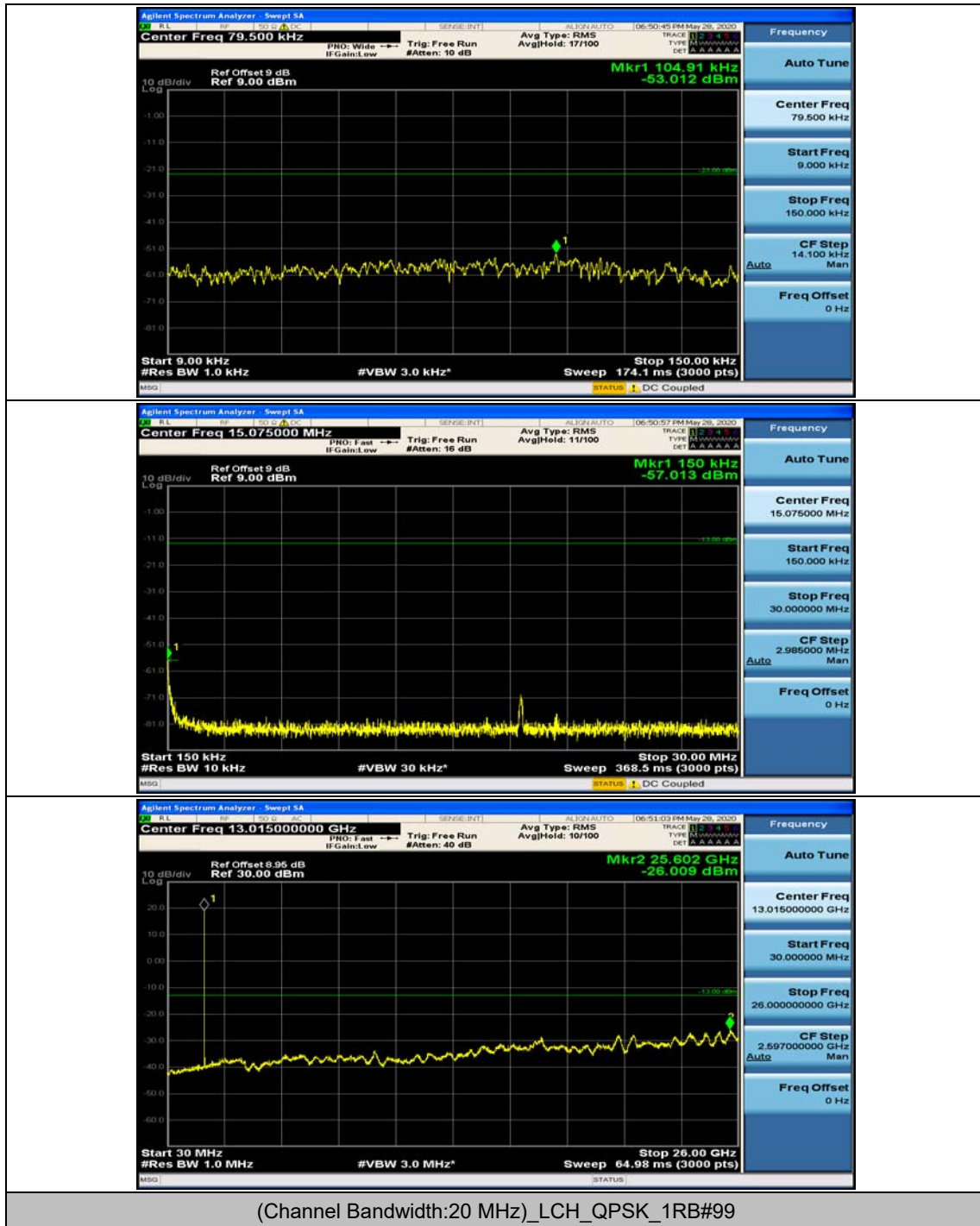


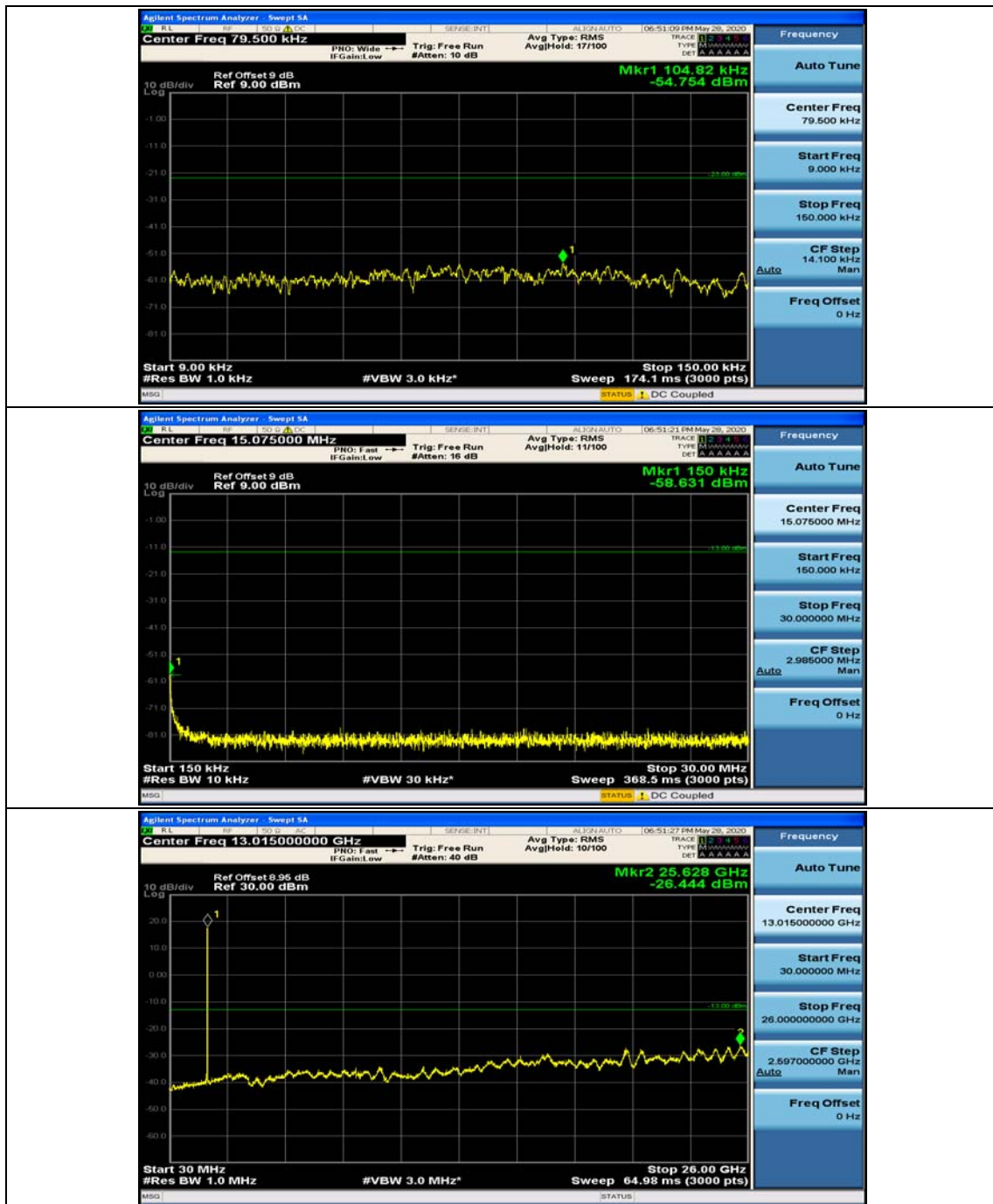


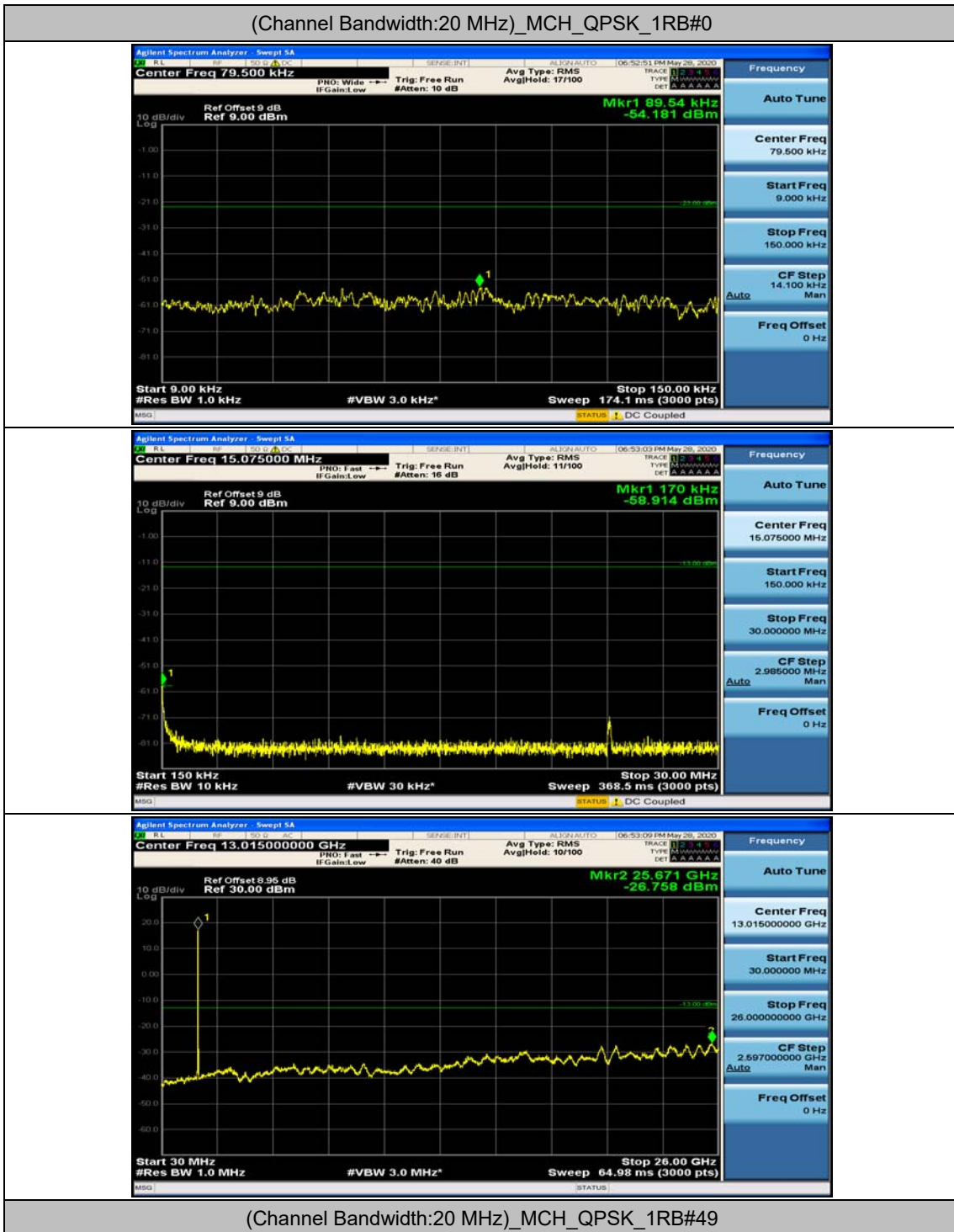
**Channel Bandwidth: 20 MHz**

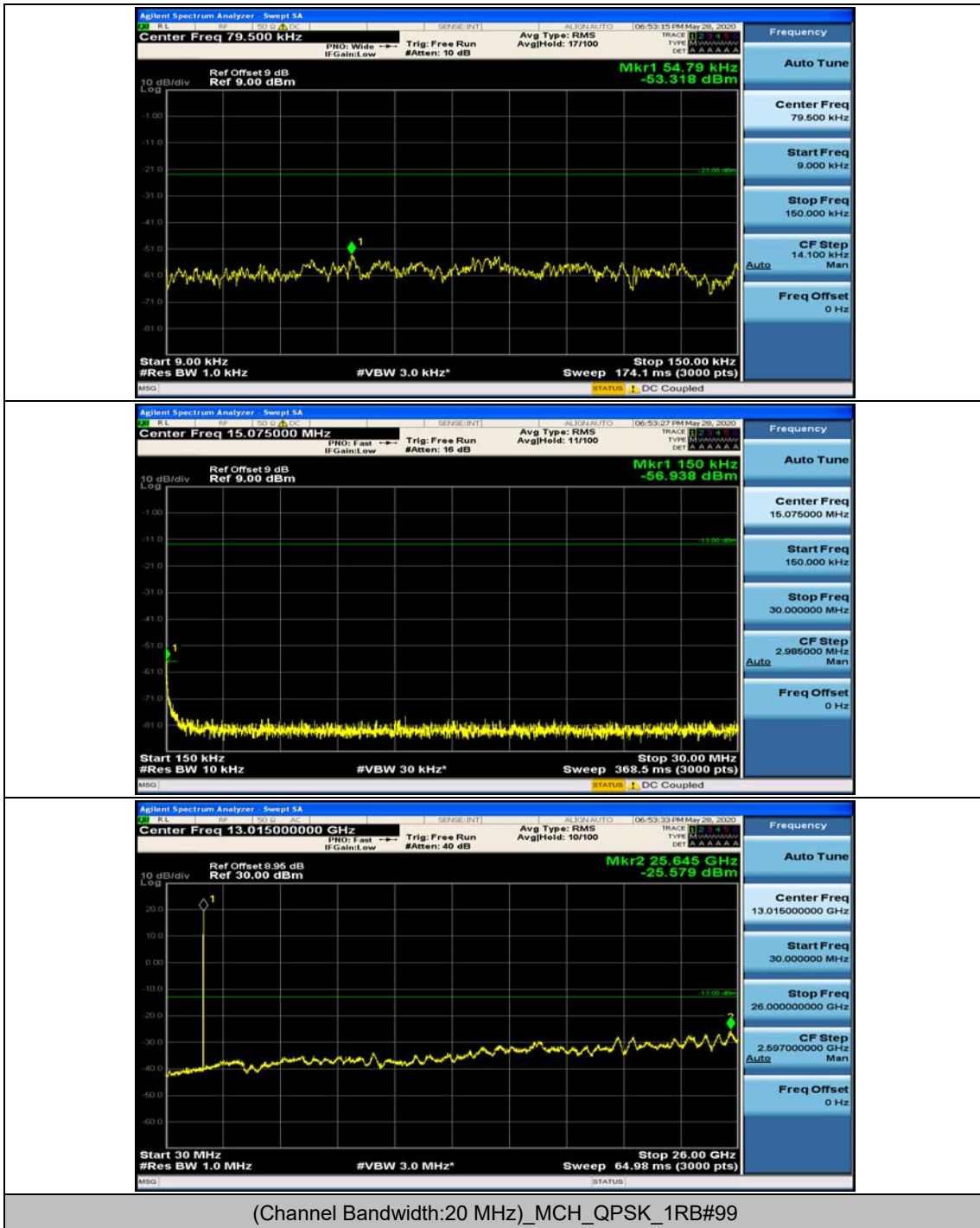


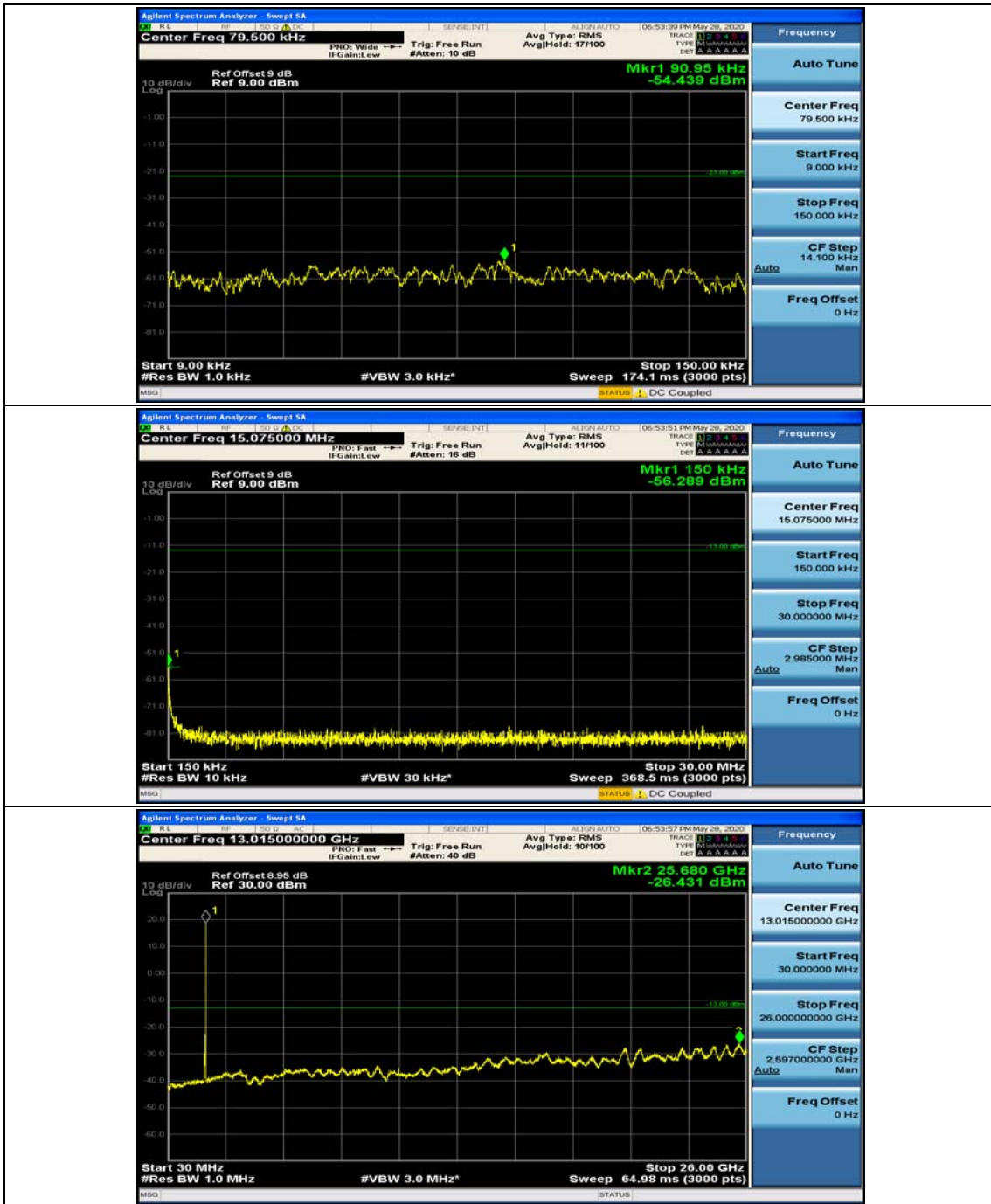




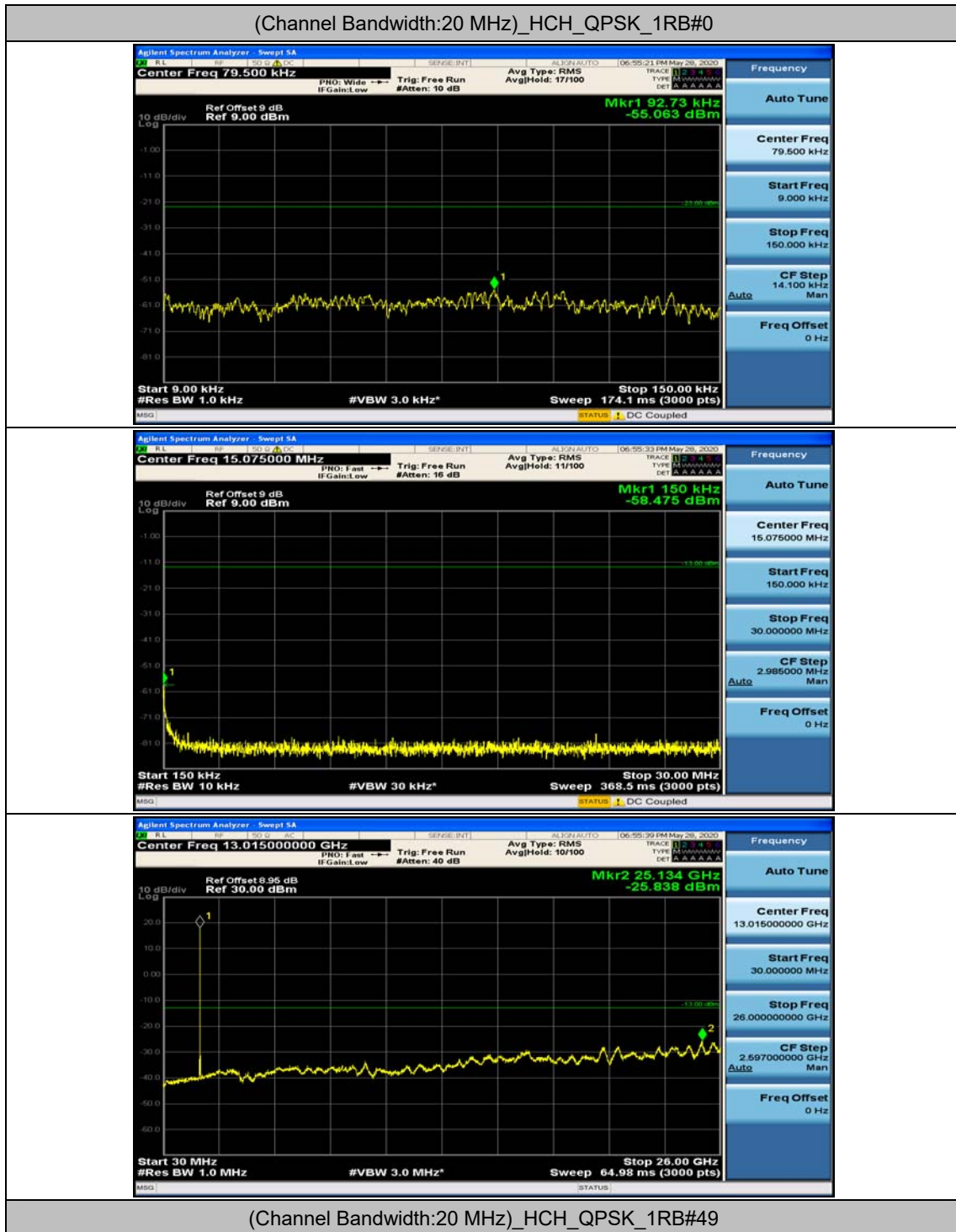


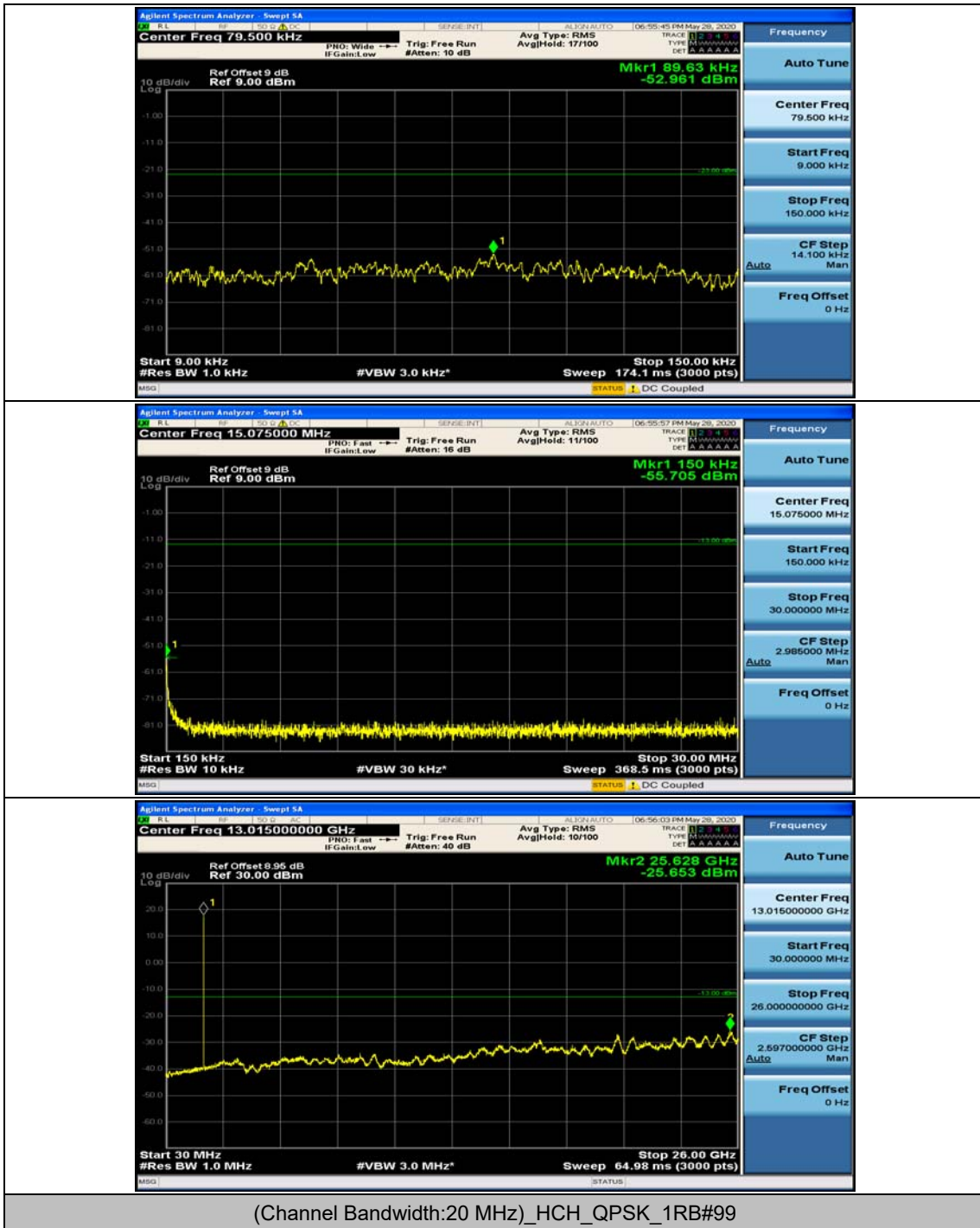


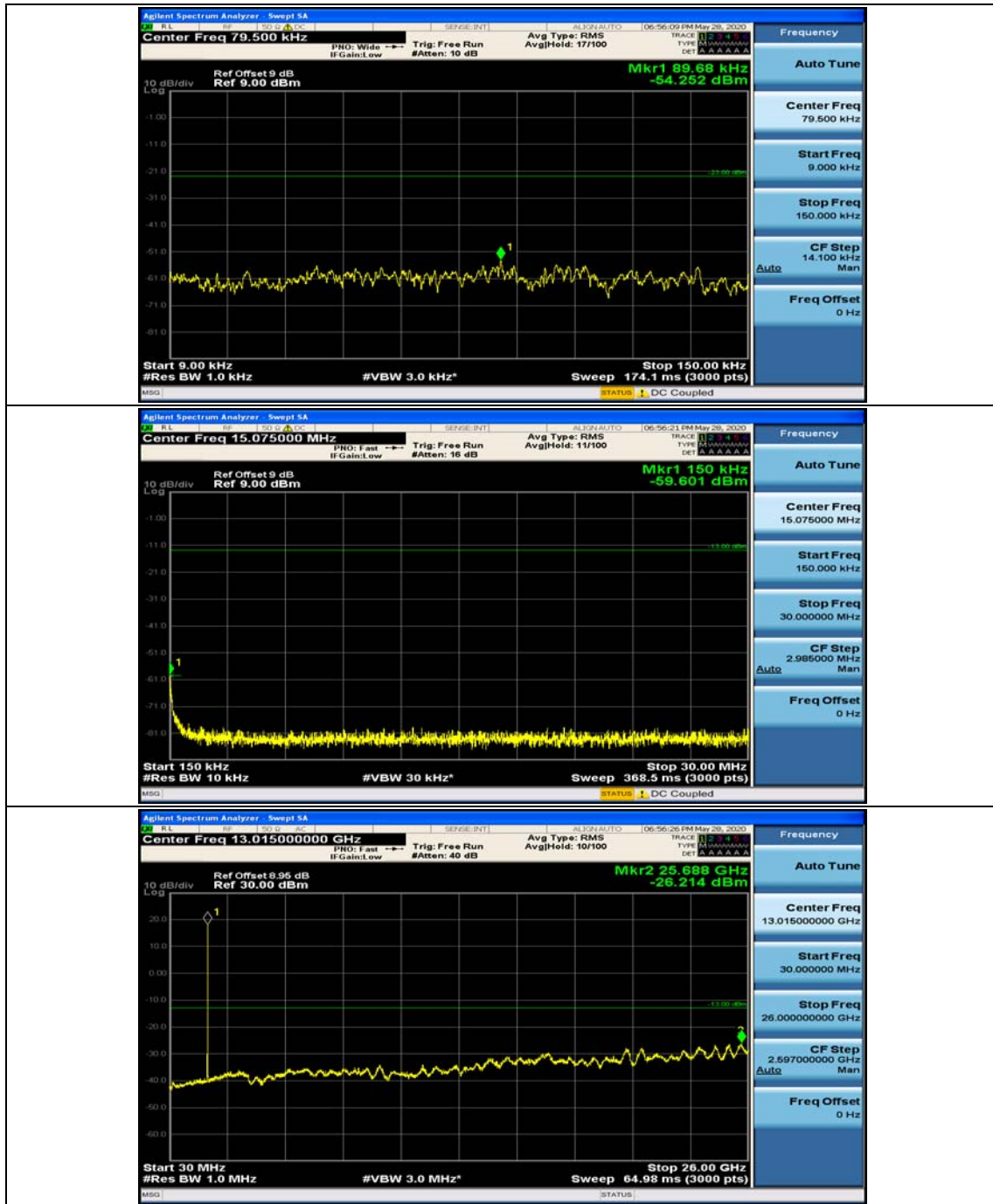


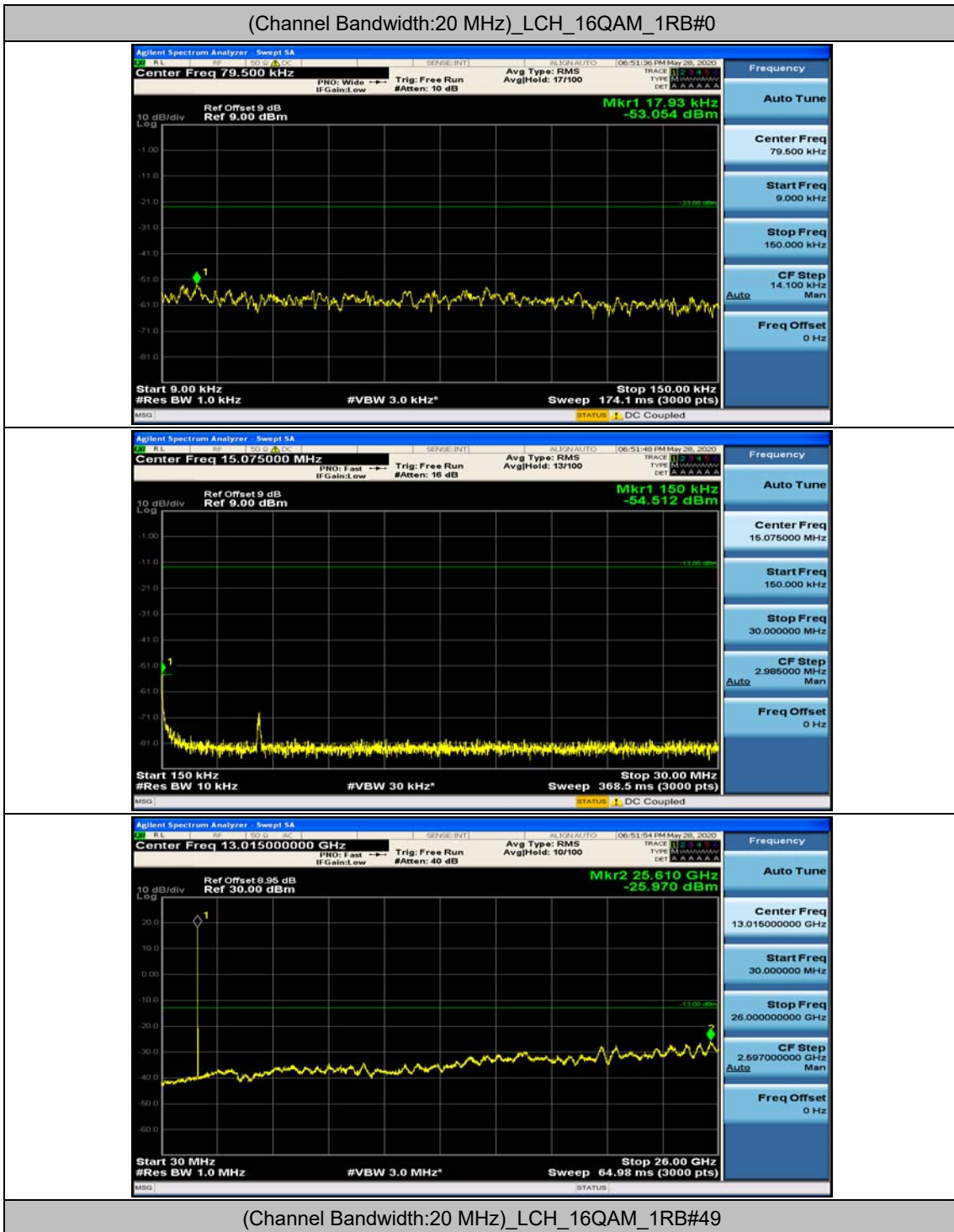


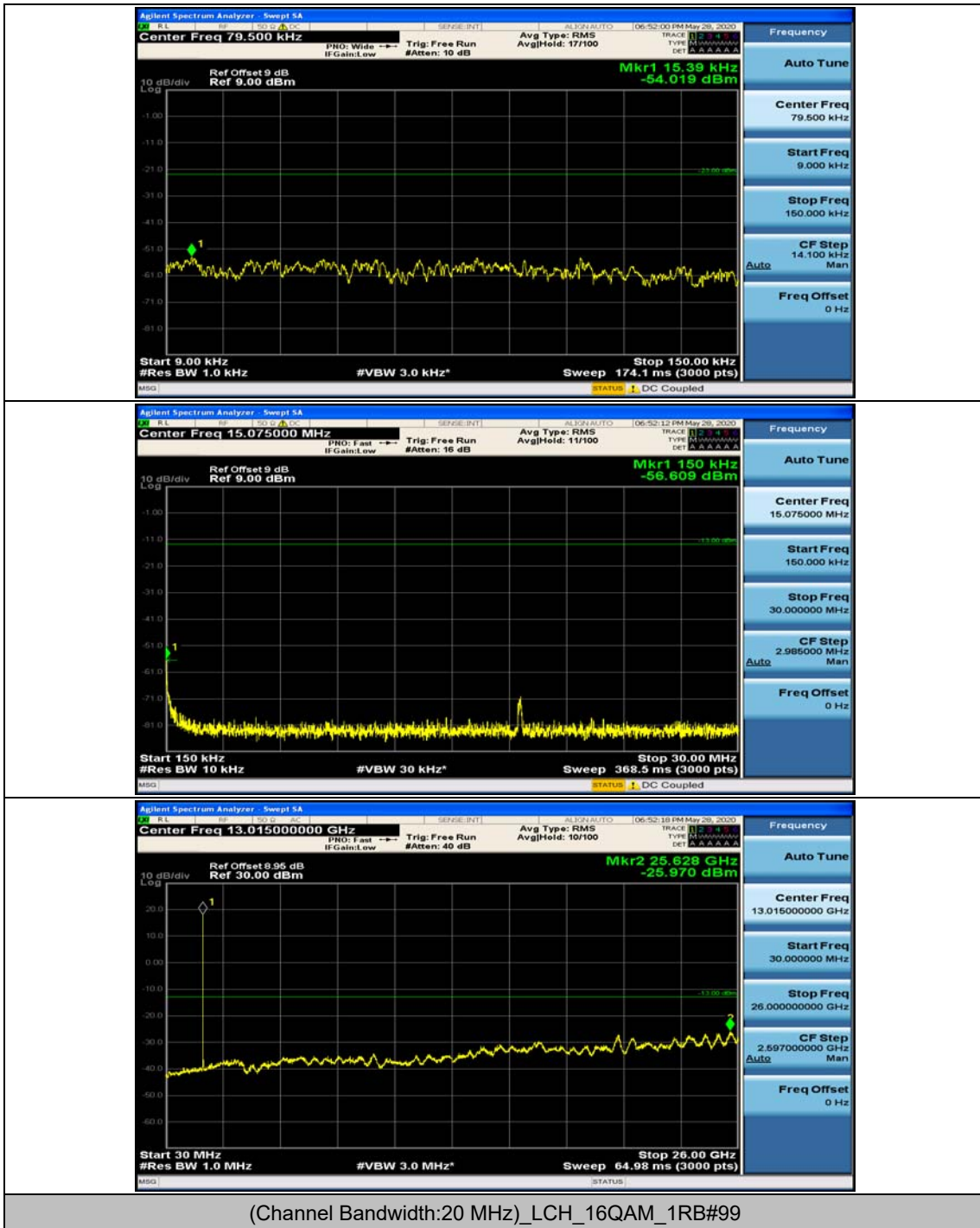




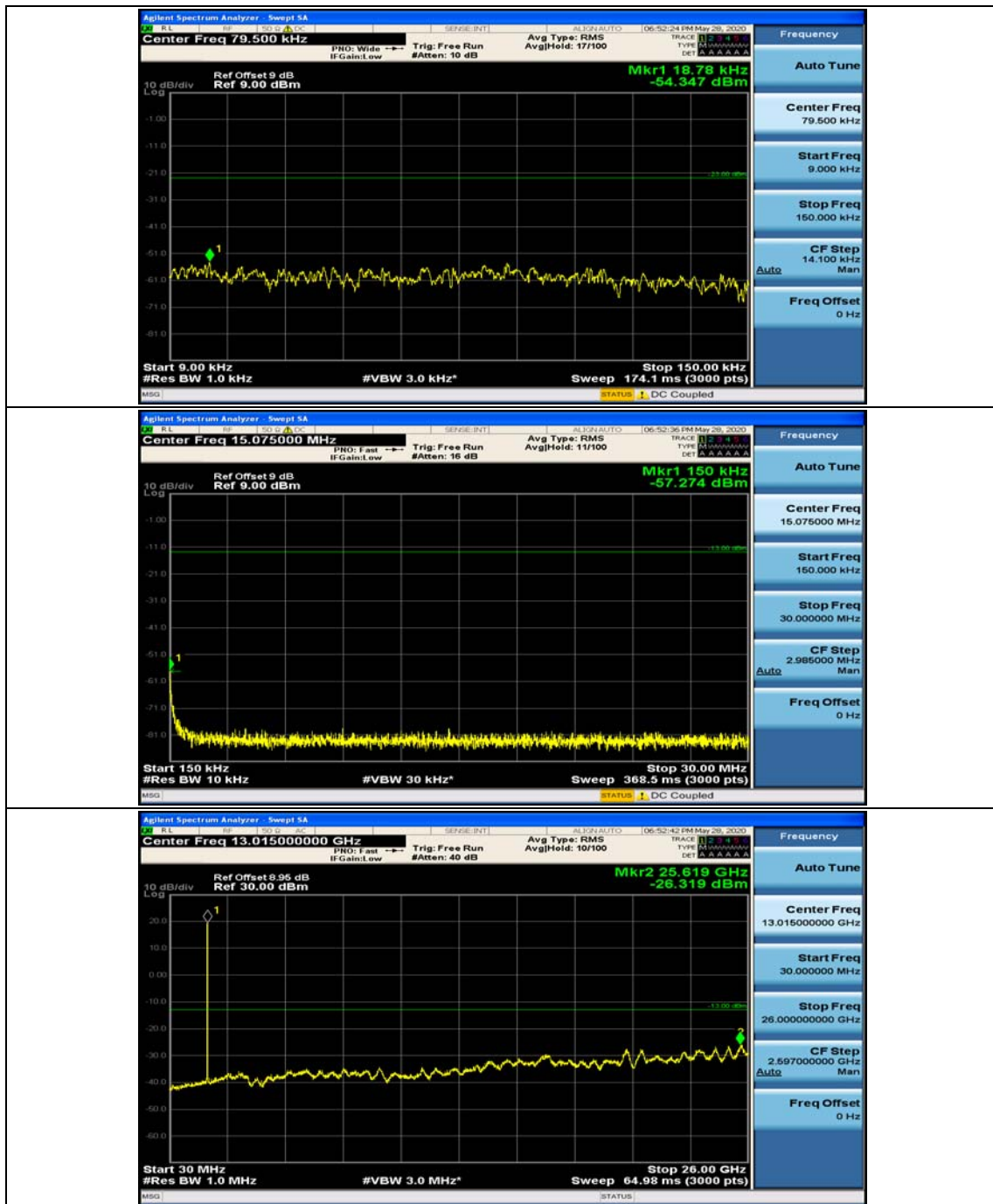


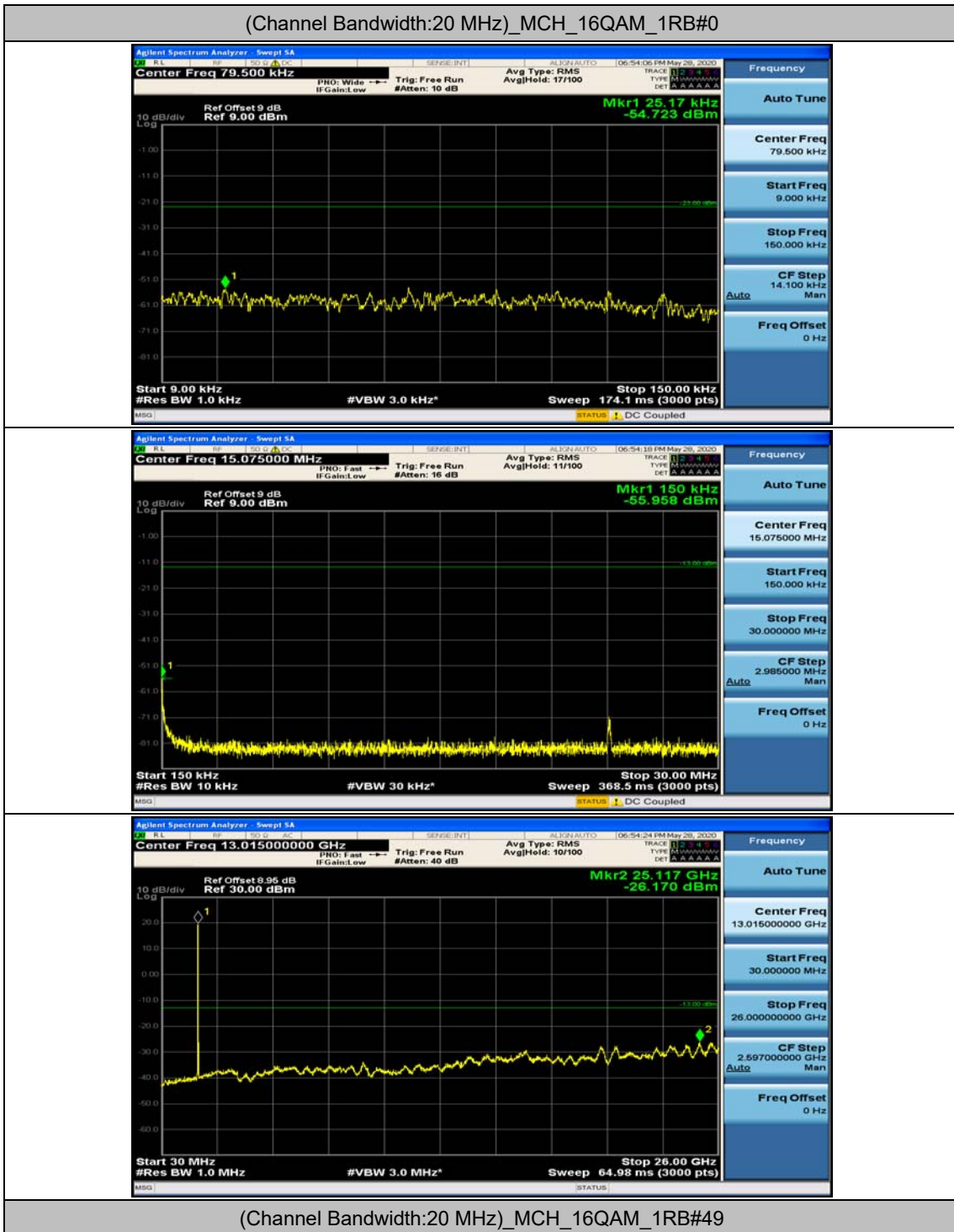


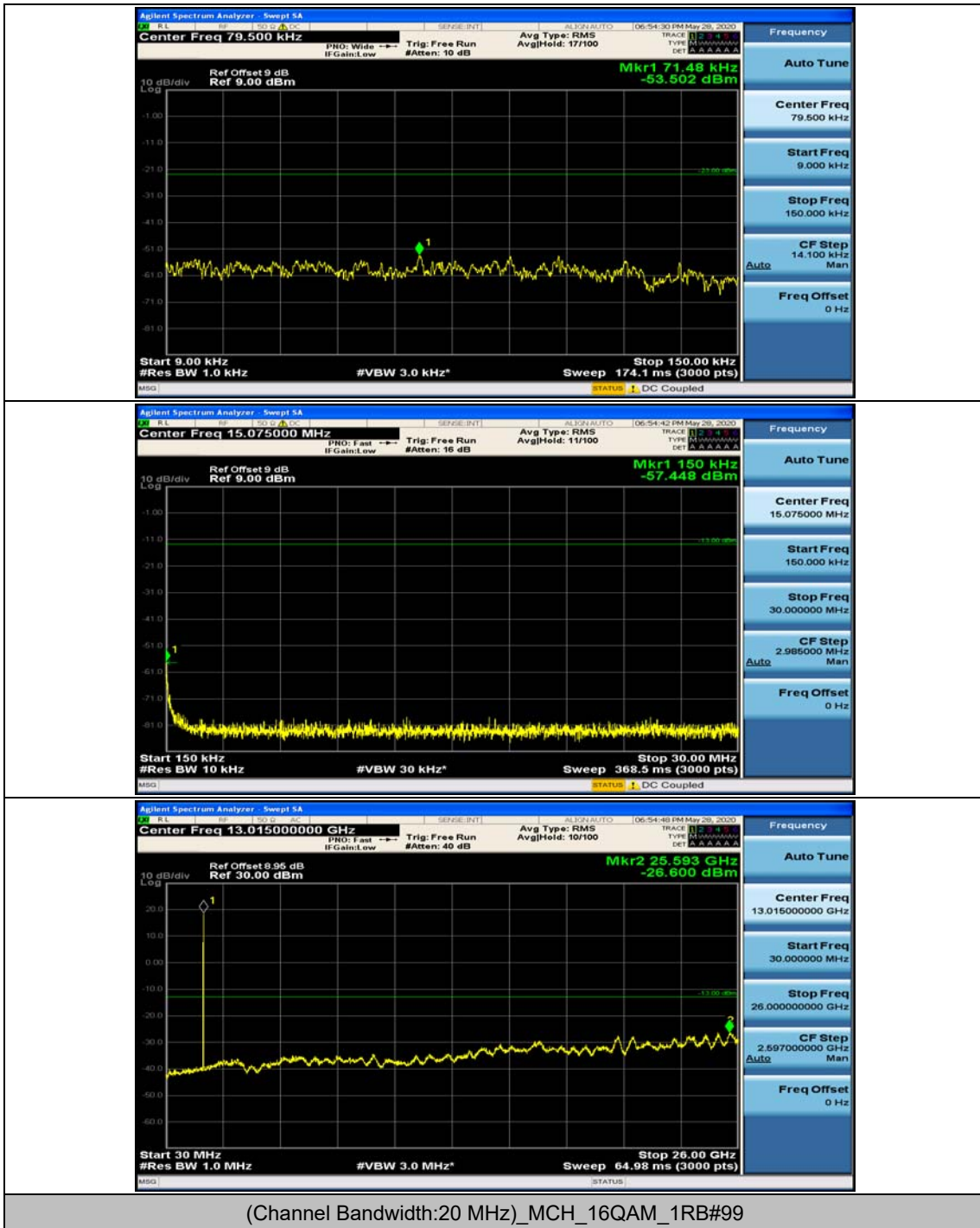


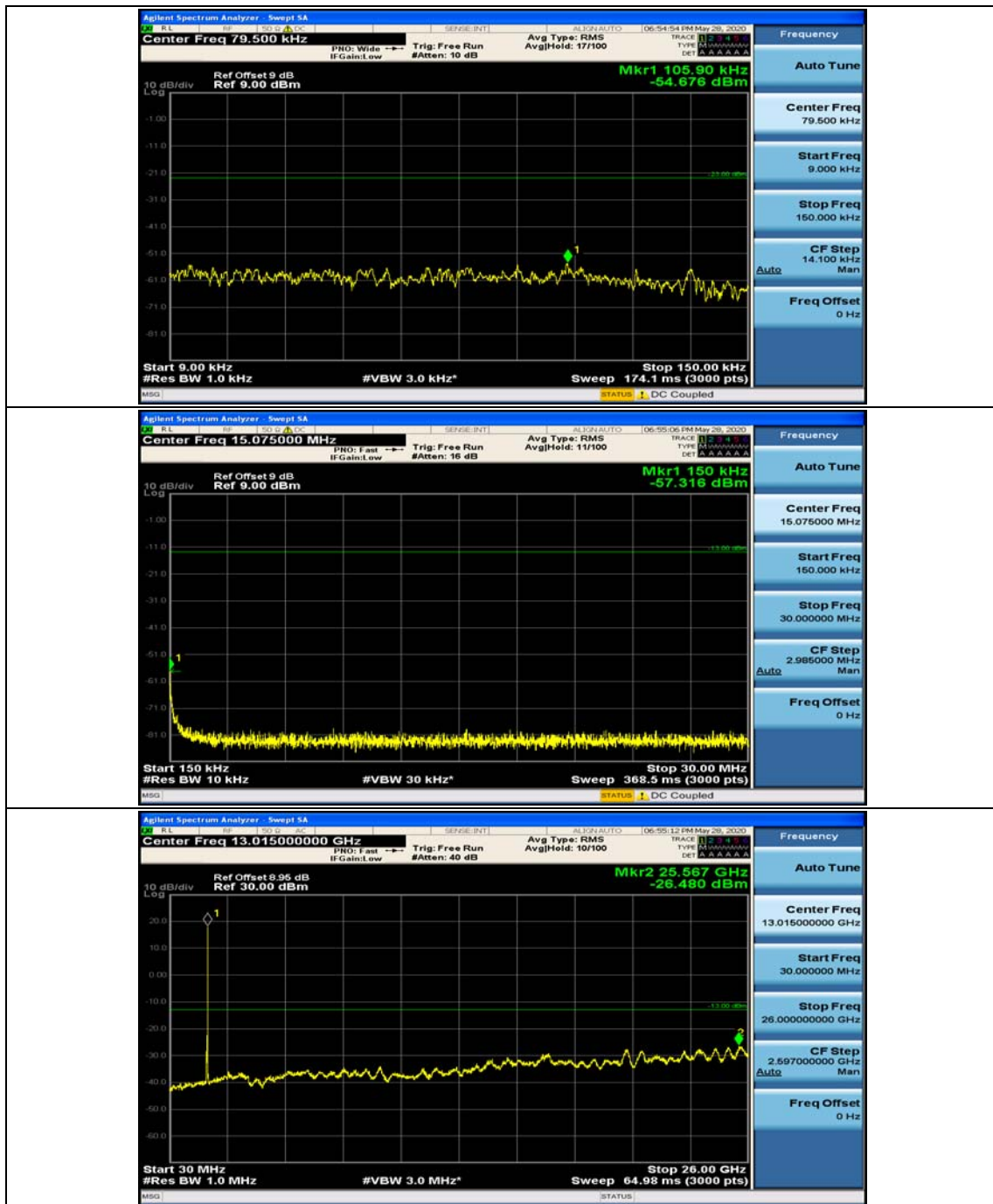


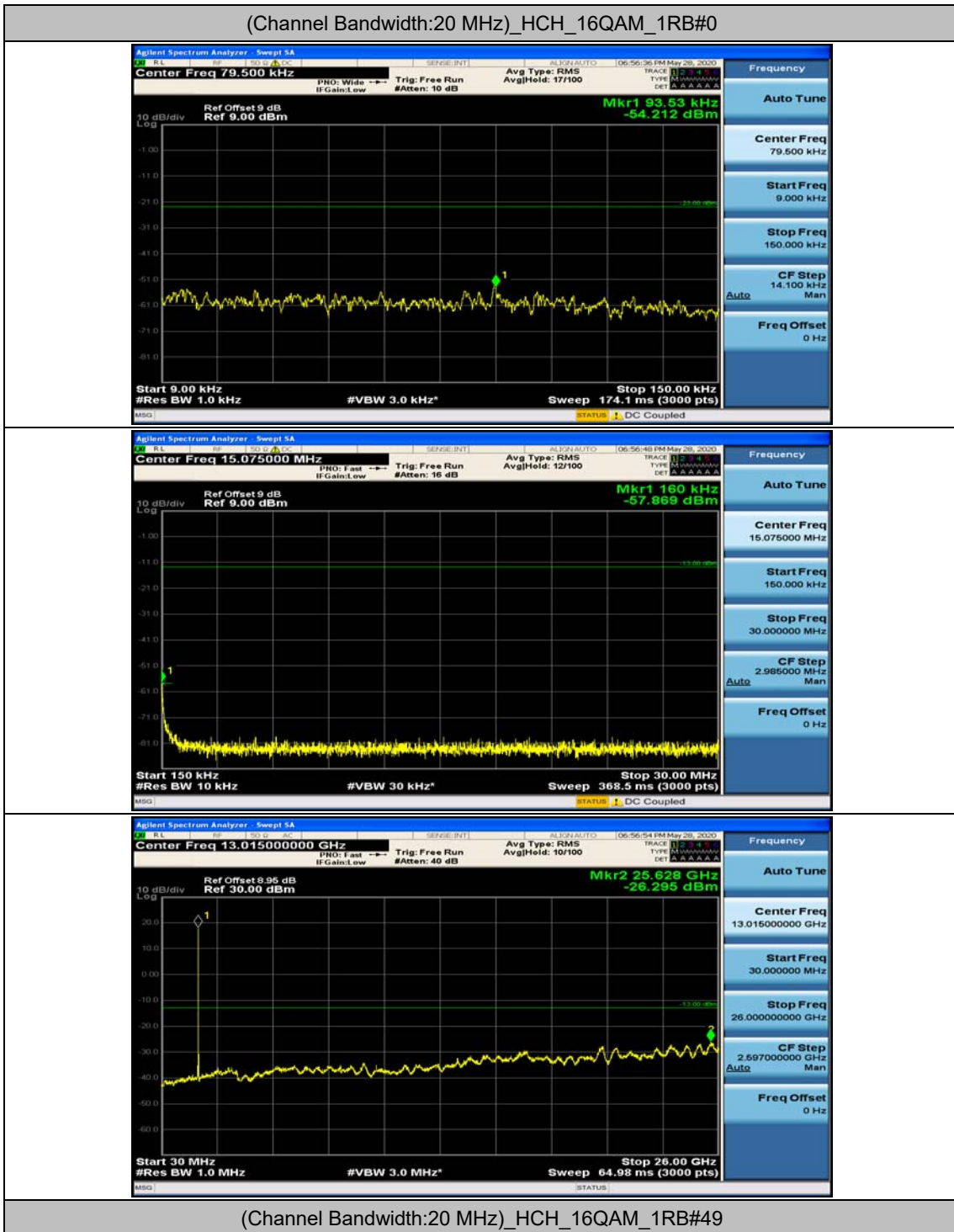




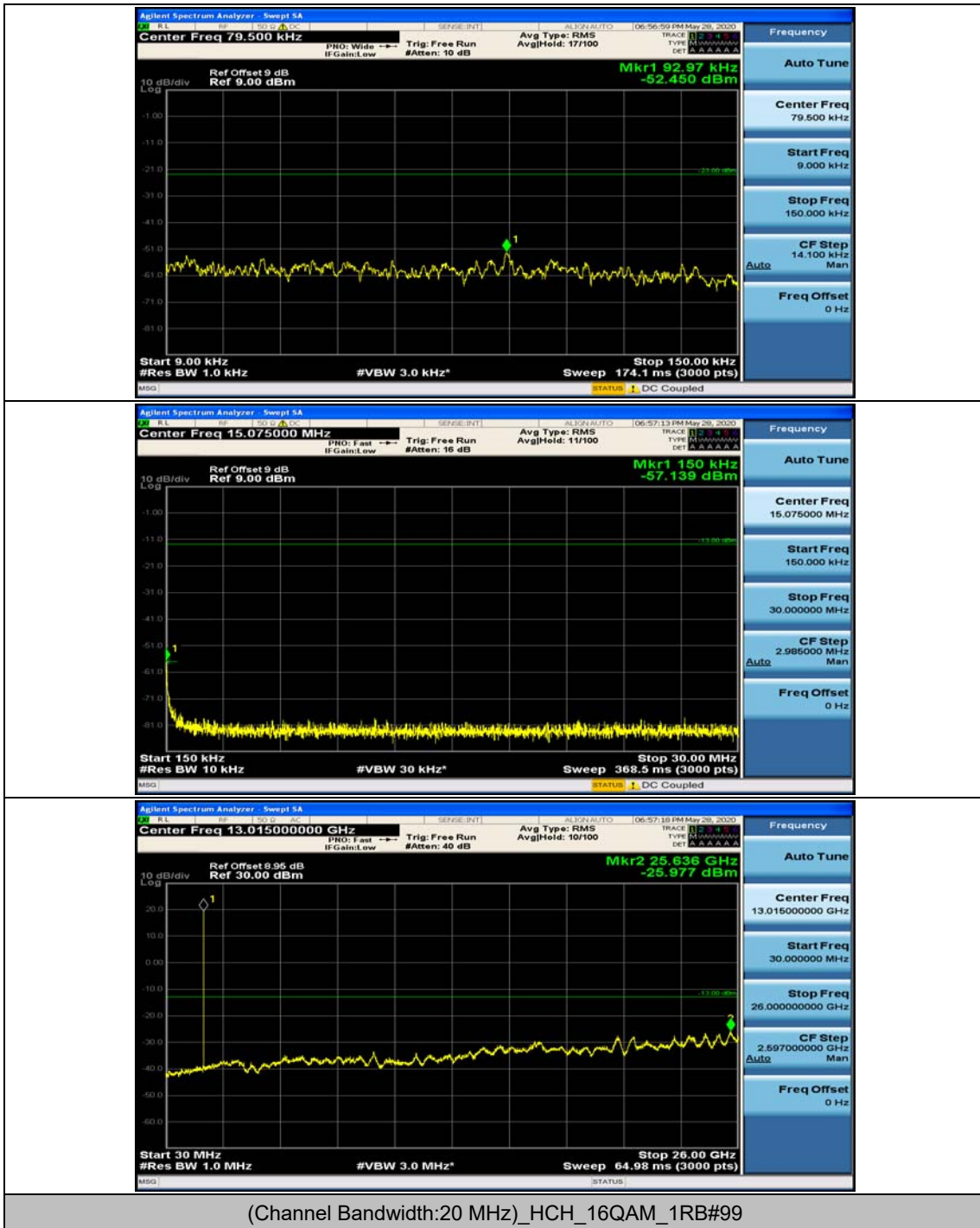


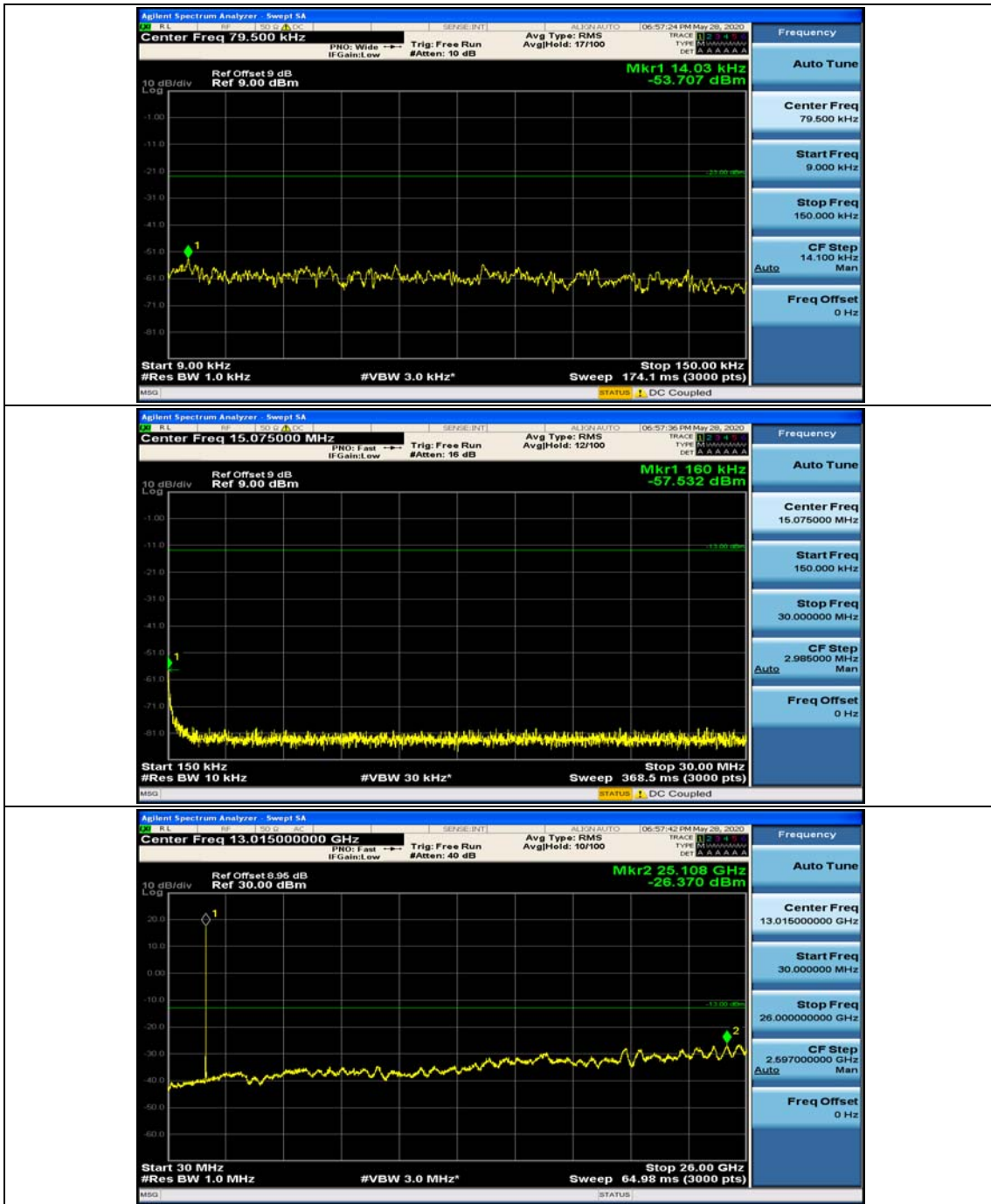












## Appendix F: Frequency Stability

### 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	0.03	0.000018	± 2.5	PASS
		VN	TN	3.26	0.001906	± 2.5	PASS
		VH	TN	-0.84	-0.000491	± 2.5	PASS
	MCH	VL	TN	3.95	0.002280	± 2.5	PASS
		VN	TN	0.19	0.000110	± 2.5	PASS
		VH	TN	-1.75	-0.001010	± 2.5	PASS
	HCH	VL	TN	-1.31	-0.000747	± 2.5	PASS
		VN	TN	-1.88	-0.001072	± 2.5	PASS
		VH	TN	0.55	0.000314	± 2.5	PASS
16QAM	LCH	VL	TN	-1.94	-0.001134	± 2.5	PASS
		VN	TN	-1.81	-0.001058	± 2.5	PASS
		VH	TN	2.18	0.001274	± 2.5	PASS
	MCH	VL	TN	0.79	0.000456	± 2.5	PASS
		VN	TN	4.16	0.002401	± 2.5	PASS
		VH	TN	1.46	0.000843	± 2.5	PASS
	HCH	VL	TN	-1.07	-0.000610	± 2.5	PASS
		VN	TN	0.1	0.000057	± 2.5	PASS
		VH	TN	2.83	0.001613	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.04	0.002362	± 2.5	PASS
		VN	-20	0.51	0.000298	± 2.5	PASS
		VN	-10	-0.68	-0.000397	± 2.5	PASS
		VN	0	3.88	0.002268	± 2.5	PASS
		VN	10	-1.06	-0.000620	± 2.5	PASS
		VN	20	3.63	0.002122	± 2.5	PASS
		VN	30	-0.41	-0.000240	± 2.5	PASS
		VN	40	0.8	0.000468	± 2.5	PASS
		VN	50	-1.8	-0.001052	± 2.5	PASS

	MCH	VN	-30	0.78	0.000450	± 2.5	PASS
		VN	-20	-0.06	-0.000035	± 2.5	PASS
		VN	-10	2.22	0.001281	± 2.5	PASS
		VN	0	1.85	0.001068	± 2.5	PASS
		VN	10	2.32	0.001339	± 2.5	PASS
		VN	20	3.22	0.001859	± 2.5	PASS
		VN	30	3.4	0.001962	± 2.5	PASS
		VN	40	3.31	0.001911	± 2.5	PASS
		VN	50	2.99	0.001726	± 2.5	PASS
	HCH	VN	-30	-1.66	-0.000946	± 2.5	PASS
		VN	-20	0.17	0.000097	± 2.5	PASS
		VN	-10	0.63	0.000359	± 2.5	PASS
		VN	0	3.39	0.001932	± 2.5	PASS
		VN	10	4.63	0.002639	± 2.5	PASS
		VN	20	0.45	0.000257	± 2.5	PASS
		VN	30	0.09	0.000051	± 2.5	PASS
		VN	40	1.04	0.000593	± 2.5	PASS
		VN	50	3	0.001710	± 2.5	PASS
16QAM	LCH	VN	-30	-0.03	-0.000018	± 2.5	PASS
		VN	-20	3.37	0.001970	± 2.5	PASS
		VN	-10	-1.69	-0.000988	± 2.5	PASS
		VN	0	2.1	0.001228	± 2.5	PASS
		VN	10	2.84	0.001660	± 2.5	PASS
		VN	20	0.87	0.000509	± 2.5	PASS
		VN	30	1.2	0.000701	± 2.5	PASS
		VN	40	-0.03	-0.000018	± 2.5	PASS
		VN	50	0.32	0.000187	± 2.5	PASS
	MCH	VN	-30	1.12	0.000638	± 2.5	PASS
		VN	-20	1.87	0.001066	± 2.5	PASS
		VN	-10	3.32	0.001892	± 2.5	PASS
		VN	0	1.83	0.001043	± 2.5	PASS
		VN	10	0.92	0.000524	± 2.5	PASS
		VN	20	1.77	0.001009	± 2.5	PASS
		VN	30	-0.53	-0.000302	± 2.5	PASS
		VN	40	2.82	0.001607	± 2.5	PASS
		VN	50	2.42	0.001379	± 2.5	PASS
HCH	VN	-30	1.76	0.001003	± 2.5	PASS	
	VN	-20	4.69	0.002673	± 2.5	PASS	
	VN	-10	1.27	0.000724	± 2.5	PASS	
	VN	0	2.95	0.001682	± 2.5	PASS	
	VN	10	-0.81	-0.000462	± 2.5	PASS	

		VN	20	2.84	0.001619	± 2.5	PASS
		VN	30	2.55	0.001454	± 2.5	PASS
		VN	40	4.51	0.002571	± 2.5	PASS
		VN	50	0.51	0.000291	± 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	4.54	0.002653	± 2.5	PASS
		VN	TN	-1.26	-0.000736	± 2.5	PASS
		VH	TN	1.73	0.001011	± 2.5	PASS
	MCH	VL	TN	-1.54	-0.000889	± 2.5	PASS
		VN	TN	-0.53	-0.000306	± 2.5	PASS
		VH	TN	0.72	0.000416	± 2.5	PASS
	HCH	VL	TN	3.46	0.001973	± 2.5	PASS
		VN	TN	-0.18	-0.000103	± 2.5	PASS
		VH	TN	1.94	0.001106	± 2.5	PASS
16QAM	LCH	VL	TN	3.81	0.002226	± 2.5	PASS
		VN	TN	2.56	0.001496	± 2.5	PASS
		VH	TN	-0.12	-0.000070	± 2.5	PASS
	MCH	VL	TN	3.71	0.002141	± 2.5	PASS
		VN	TN	3.53	0.002038	± 2.5	PASS
		VH	TN	0.42	0.000242	± 2.5	PASS
	HCH	VL	TN	-0.84	-0.000479	± 2.5	PASS
		VN	TN	4.98	0.002840	± 2.5	PASS
		VH	TN	1.18	0.000673	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.02	0.000596	± 2.5	PASS
		VN	-20	4.9	0.002863	± 2.5	PASS
		VN	-10	0.53	0.000310	± 2.5	PASS
		VN	0	1.99	0.001163	± 2.5	PASS
		VN	10	-1.78	-0.001040	± 2.5	PASS
		VN	20	0.97	0.000567	± 2.5	PASS
		VN	30	2.97	0.001735	± 2.5	PASS
		VN	40	4.72	0.002758	± 2.5	PASS
		VN	50	3.99	0.002331	± 2.5	PASS



	MCH	VN	-30	2.74	0.001582	± 2.5	PASS
		VN	-20	-1.85	-0.001068	± 2.5	PASS
		VN	-10	3.59	0.002072	± 2.5	PASS
		VN	0	-1.72	-0.000993	± 2.5	PASS
		VN	10	-0.31	-0.000179	± 2.5	PASS
		VN	20	4.42	0.002551	± 2.5	PASS
		VN	30	4.37	0.002522	± 2.5	PASS
		VN	40	0.19	0.000110	± 2.5	PASS
		VN	50	-0.11	-0.000063	± 2.5	PASS
	HCH	VN	-30	1.35	0.000770	± 2.5	PASS
		VN	-20	-1.61	-0.000918	± 2.5	PASS
		VN	-10	-1.75	-0.000998	± 2.5	PASS
		VN	0	-0.96	-0.000547	± 2.5	PASS
		VN	10	4.99	0.002846	± 2.5	PASS
		VN	20	3.22	0.001836	± 2.5	PASS
		VN	30	-1.55	-0.000884	± 2.5	PASS
		VN	40	-1.48	-0.000844	± 2.5	PASS
		VN	50	1.89	0.001078	± 2.5	PASS
16QAM	LCH	VN	-30	-1.51	-0.000872	± 2.5	PASS
		VN	-20	-1.38	-0.000797	± 2.5	PASS
		VN	-10	-0.28	-0.000162	± 2.5	PASS
		VN	0	2.73	0.001576	± 2.5	PASS
		VN	10	1.68	0.000970	± 2.5	PASS
		VN	20	-1.57	-0.000906	± 2.5	PASS
		VN	30	3.91	0.002257	± 2.5	PASS
		VN	40	3.18	0.001835	± 2.5	PASS
		VN	50	4.68	0.002701	± 2.5	PASS
	MCH	VN	-30	-0.04	-0.000023	± 2.5	PASS
		VN	-20	4.85	0.002766	± 2.5	PASS
		VN	-10	1.78	0.001015	± 2.5	PASS
		VN	0	2.55	0.001454	± 2.5	PASS
		VN	10	-1.26	-0.000719	± 2.5	PASS
		VN	20	1.19	0.000679	± 2.5	PASS
		VN	30	-0.18	-0.000103	± 2.5	PASS
		VN	40	-0.5	-0.000285	± 2.5	PASS
		VN	50	1.12	0.000639	± 2.5	PASS
	HCH	VN	-30	-0.42	-0.000240	± 2.5	PASS
		VN	-20	-1.64	-0.000935	± 2.5	PASS
		VN	-10	-1.59	-0.000907	± 2.5	PASS
		VN	0	2.85	0.001625	± 2.5	PASS
		VN	10	4.81	0.002743	± 2.5	PASS

		VN	20	-0.71	-0.000405	± 2.5	PASS
		VN	30	1.98	0.001129	± 2.5	PASS
		VN	40	1.12	0.000639	± 2.5	PASS
		VN	50	1.88	0.001072	± 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	2.53	0.001477	± 2.5	PASS
		VN	TN	-1.73	-0.001010	± 2.5	PASS
		VH	TN	2.06	0.001203	± 2.5	PASS
	MCH	VL	TN	-0.58	-0.000335	± 2.5	PASS
		VN	TN	3.98	0.002297	± 2.5	PASS
		VH	TN	3.25	0.001876	± 2.5	PASS
	HCH	VL	TN	1.78	0.001016	± 2.5	PASS
		VN	TN	1.37	0.000782	± 2.5	PASS
		VH	TN	4.81	0.002745	± 2.5	PASS
16QAM	LCH	VL	TN	3.45	0.002015	± 2.5	PASS
		VN	TN	4.39	0.002564	± 2.5	PASS
		VH	TN	-0.11	-0.000064	± 2.5	PASS
	MCH	VL	TN	-1.17	-0.000675	± 2.5	PASS
		VN	TN	2.1	0.001212	± 2.5	PASS
		VH	TN	4.4	0.002540	± 2.5	PASS
	HCH	VL	TN	-1.83	-0.001044	± 2.5	PASS
		VN	TN	4.01	0.002288	± 2.5	PASS
		VH	TN	-1.41	-0.000805	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.42	0.000829	± 2.5	PASS
		VN	-20	0.4	0.000234	± 2.5	PASS
		VN	-10	4.16	0.002429	± 2.5	PASS
		VN	0	-1.4	-0.000818	± 2.5	PASS
		VN	10	3.64	0.002126	± 2.5	PASS
		VN	20	1.3	0.000759	± 2.5	PASS
		VN	30	1.27	0.000742	± 2.5	PASS
		VN	40	3.28	0.001915	± 2.5	PASS
		VN	50	4.87	0.002844	± 2.5	PASS

	MCH	VN	-30	3.17	0.001830	± 2.5	PASS
		VN	-20	4.63	0.002672	± 2.5	PASS
		VN	-10	-1.11	-0.000641	± 2.5	PASS
		VN	0	2.39	0.001380	± 2.5	PASS
		VN	10	-0.97	-0.000560	± 2.5	PASS
		VN	20	-1.98	-0.001143	± 2.5	PASS
		VN	30	3.13	0.001807	± 2.5	PASS
		VN	40	3.39	0.001957	± 2.5	PASS
		VN	50	1.37	0.000791	± 2.5	PASS
	HCH	VN	-30	0.72	0.000411	± 2.5	PASS
		VN	-20	3.12	0.001636	± 2.5	PASS
		VN	-10	0.84	0.000440	± 2.5	PASS
		VN	0	3.03	0.001588	± 2.5	PASS
		VN	10	-0.79	-0.000414	± 2.5	PASS
		VN	20	-1.12	-0.000587	± 2.5	PASS
		VN	30	1.46	0.000765	± 2.5	PASS
		VN	40	0.84	0.000440	± 2.5	PASS
		VN	50	3.16	0.001657	± 2.5	PASS
16QAM	LCH	VN	-30	4.28	0.002470	± 2.5	PASS
		VN	-20	-1.64	-0.000947	± 2.5	PASS
		VN	-10	3.19	0.001841	± 2.5	PASS
		VN	0	1.1	0.000635	± 2.5	PASS
		VN	10	4.58	0.002644	± 2.5	PASS
		VN	20	-0.71	-0.000410	± 2.5	PASS
		VN	30	4.66	0.002690	± 2.5	PASS
		VN	40	1.97	0.001137	± 2.5	PASS
		VN	50	4.49	0.002592	± 2.5	PASS
	MCH	VN	-30	4	0.002282	± 2.5	PASS
		VN	-20	2.41	0.001375	± 2.5	PASS
		VN	-10	4.49	0.002562	± 2.5	PASS
		VN	0	-1.54	-0.000879	± 2.5	PASS
		VN	10	4.25	0.002425	± 2.5	PASS
		VN	20	-0.01	-0.000006	± 2.5	PASS
		VN	30	1.6	0.000913	± 2.5	PASS
		VN	40	1.79	0.001021	± 2.5	PASS
		VN	50	0.22	0.000126	± 2.5	PASS
	HCH	VN	-30	-1.41	-0.000739	± 2.5	PASS
		VN	-20	-0.88	-0.000461	± 2.5	PASS
		VN	-10	-1.25	-0.000655	± 2.5	PASS
		VN	0	3.7	0.001940	± 2.5	PASS
		VN	10	2.15	0.001127	± 2.5	PASS

		VN	20	2.83	0.001484	± 2.5	PASS
		VN	30	0.58	0.000304	± 2.5	PASS
		VN	40	0.74	0.000388	± 2.5	PASS
		VN	50	2.9	0.001520	± 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	4.47	0.002606	± 2.5	PASS
		VN	TN	4.22	0.002461	± 2.5	PASS
		VH	TN	2.26	0.001318	± 2.5	PASS
	MCH	VL	TN	-0.72	-0.000416	± 2.5	PASS
		VN	TN	4.19	0.002418	± 2.5	PASS
		VH	TN	0.29	0.000167	± 2.5	PASS
	HCH	VL	TN	-0.55	-0.000314	± 2.5	PASS
		VN	TN	1.77	0.001011	± 2.5	PASS
		VH	TN	-1.89	-0.001080	± 2.5	PASS
16QAM	LCH	VL	TN	0.61	0.000356	± 2.5	PASS
		VN	TN	-0.62	-0.000362	± 2.5	PASS
		VH	TN	-0.84	-0.000490	± 2.5	PASS
	MCH	VL	TN	2.51	0.001449	± 2.5	PASS
		VN	TN	3.72	0.002147	± 2.5	PASS
		VH	TN	-1.29	-0.000745	± 2.5	PASS
	HCH	VL	TN	0.73	0.000417	± 2.5	PASS
		VN	TN	3.41	0.001949	± 2.5	PASS
		VH	TN	3.15	0.001800	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.77	0.001615	± 2.5	PASS
		VN	-20	-0.72	-0.000420	± 2.5	PASS
		VN	-10	1.61	0.000939	± 2.5	PASS
		VN	0	1.4	0.000816	± 2.5	PASS
		VN	10	1.02	0.000595	± 2.5	PASS
		VN	20	-1.21	-0.000706	± 2.5	PASS
		VN	30	2.08	0.001213	± 2.5	PASS
		VN	40	4.92	0.002869	± 2.5	PASS
		VN	50	0.17	0.000099	± 2.5	PASS

	MCH	VN	-30	1.36	0.000785	± 2.5	PASS
		VN	-20	-1.84	-0.001062	± 2.5	PASS
		VN	-10	0.12	0.000069	± 2.5	PASS
		VN	0	1.31	0.000756	± 2.5	PASS
		VN	10	-1.93	-0.001114	± 2.5	PASS
		VN	20	1.47	0.000848	± 2.5	PASS
		VN	30	-1.45	-0.000837	± 2.5	PASS
		VN	40	0.47	0.000271	± 2.5	PASS
		VN	50	4.56	0.002632	± 2.5	PASS
	HCH	VN	-30	4.86	0.002777	± 2.5	PASS
		VN	-20	-1.46	-0.000834	± 2.5	PASS
		VN	-10	-1.15	-0.000657	± 2.5	PASS
		VN	0	4.99	0.002851	± 2.5	PASS
		VN	10	1.15	0.000657	± 2.5	PASS
		VN	20	2.62	0.001497	± 2.5	PASS
		VN	30	2	0.001143	± 2.5	PASS
		VN	40	2.24	0.001280	± 2.5	PASS
		VN	50	-0.87	-0.000497	± 2.5	PASS
16QAM	LCH	VN	-30	4.24	0.002447	± 2.5	PASS
		VN	-20	-0.68	-0.000392	± 2.5	PASS
		VN	-10	4.17	0.002407	± 2.5	PASS
		VN	0	2.78	0.001605	± 2.5	PASS
		VN	10	3.88	0.002240	± 2.5	PASS
		VN	20	1.43	0.000825	± 2.5	PASS
		VN	30	-0.33	-0.000190	± 2.5	PASS
		VN	40	3.57	0.002061	± 2.5	PASS
		VN	50	0.95	0.000548	± 2.5	PASS
	MCH	VN	-30	-0.18	-0.000103	± 2.5	PASS
		VN	-20	4.95	0.002829	± 2.5	PASS
		VN	-10	3.33	0.001903	± 2.5	PASS
		VN	0	2.89	0.001651	± 2.5	PASS
		VN	10	4.31	0.002463	± 2.5	PASS
		VN	20	-1.2	-0.000686	± 2.5	PASS
		VN	30	3.83	0.002189	± 2.5	PASS
		VN	40	4.92	0.002811	± 2.5	PASS
		VN	50	-1.61	-0.000920	± 2.5	PASS
	HCH	VN	-30	3.71	0.002120	± 2.5	PASS
		VN	-20	0.51	0.000291	± 2.5	PASS
		VN	-10	3.62	0.002069	± 2.5	PASS
		VN	0	4.82	0.002754	± 2.5	PASS
		VN	10	0.83	0.000474	± 2.5	PASS



		VN	20	3.67	0.002097	± 2.5	PASS
		VN	30	2.24	0.001280	± 2.5	PASS
		VN	40	4.54	0.002594	± 2.5	PASS
		VN	50	2.86	0.001634	± 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	3.68	0.002143	± 2.5	PASS
		VN	TN	2.54	0.001479	± 2.5	PASS
		VH	TN	-0.95	-0.000553	± 2.5	PASS
	MCH	VL	TN	4.84	0.002794	± 2.5	PASS
		VN	TN	0.1	0.000058	± 2.5	PASS
		VH	TN	0.45	0.000260	± 2.5	PASS
	HCH	VL	TN	3.13	0.001791	± 2.5	PASS
		VN	TN	4.76	0.002724	± 2.5	PASS
		VH	TN	1.64	0.000938	± 2.5	PASS
16QAM	LCH	VL	TN	0.01	0.000006	± 2.5	PASS
		VN	TN	0.95	0.000553	± 2.5	PASS
		VH	TN	-1.47	-0.000856	± 2.5	PASS
	MCH	VL	TN	-0.25	-0.000144	± 2.5	PASS
		VN	TN	3.96	0.002286	± 2.5	PASS
		VH	TN	0.5	0.000289	± 2.5	PASS
	HCH	VL	TN	3.23	0.001848	± 2.5	PASS
		VN	TN	0.07	0.000040	± 2.5	PASS
		VH	TN	0.91	0.000521	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.74	0.001595	± 2.5	PASS
		VN	-20	3.1	0.001805	± 2.5	PASS
		VN	-10	0.98	0.000571	± 2.5	PASS
		VN	0	-1.55	-0.000902	± 2.5	PASS
		VN	10	4.59	0.002672	± 2.5	PASS
		VN	20	-0.83	-0.000483	± 2.5	PASS
		VN	30	-1.61	-0.000937	± 2.5	PASS
		VN	40	-0.39	-0.000227	± 2.5	PASS
		VN	50	2.08	0.001211	± 2.5	PASS

	MCH	VN	-30	-0.37	-0.000214	± 2.5	PASS
		VN	-20	4.69	0.002707	± 2.5	PASS
		VN	-10	4.77	0.002753	± 2.5	PASS
		VN	0	-1.96	-0.001131	± 2.5	PASS
		VN	10	-0.89	-0.000514	± 2.5	PASS
		VN	20	2.25	0.001299	± 2.5	PASS
		VN	30	1.42	0.000820	± 2.5	PASS
		VN	40	-0.5	-0.000289	± 2.5	PASS
		VN	50	3.92	0.002263	± 2.5	PASS
	HCH	VN	-30	4.73	0.002707	± 2.5	PASS
		VN	-20	0.79	0.000452	± 2.5	PASS
		VN	-10	0.69	0.000395	± 2.5	PASS
		VN	0	-1.43	-0.000818	± 2.5	PASS
		VN	10	4.34	0.002484	± 2.5	PASS
		VN	20	3.55	0.002031	± 2.5	PASS
		VN	30	4.23	0.002421	± 2.5	PASS
		VN	40	4.23	0.002421	± 2.5	PASS
		VN	50	0.58	0.000332	± 2.5	PASS
16QAM	LCH	VN	-30	1.72	0.000993	± 2.5	PASS
		VN	-20	-0.67	-0.000387	± 2.5	PASS
		VN	-10	-1.09	-0.000629	± 2.5	PASS
		VN	0	2.93	0.001691	± 2.5	PASS
		VN	10	3.42	0.001974	± 2.5	PASS
		VN	20	2.18	0.001258	± 2.5	PASS
		VN	30	1.03	0.000595	± 2.5	PASS
		VN	40	-1.04	-0.000600	± 2.5	PASS
		VN	50	2.44	0.001408	± 2.5	PASS
	MCH	VN	-30	-1.86	-0.001064	± 2.5	PASS
		VN	-20	-0.33	-0.000189	± 2.5	PASS
		VN	-10	1.66	0.000950	± 2.5	PASS
		VN	0	3.38	0.001934	± 2.5	PASS
		VN	10	0.43	0.000246	± 2.5	PASS
		VN	20	3.42	0.001957	± 2.5	PASS
		VN	30	2.41	0.001379	± 2.5	PASS
		VN	40	1.15	0.000658	± 2.5	PASS
		VN	50	0.38	0.000217	± 2.5	PASS
	HCH	VN	-30	0.09	0.000052	± 2.5	PASS
		VN	-20	4.26	0.002438	± 2.5	PASS
		VN	-10	1.1	0.000629	± 2.5	PASS
		VN	0	-1.11	-0.000635	± 2.5	PASS
		VN	10	0.17	0.000097	± 2.5	PASS

		VN	20	0.85	0.000486	± 2.5	PASS
		VN	30	3.38	0.001934	± 2.5	PASS
		VN	40	4.62	0.002644	± 2.5	PASS
		VN	50	4.45	0.002546	± 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	2.29	0.001331	± 2.5	PASS
		VN	TN	-0.87	-0.000506	± 2.5	PASS
		VH	TN	3.08	0.001791	± 2.5	PASS
	MCH	VL	TN	0.94	0.000543	± 2.5	PASS
		VN	TN	-1.8	-0.001039	± 2.5	PASS
		VH	TN	-1.48	-0.000854	± 2.5	PASS
	HCH	VL	TN	3.79	0.002172	± 2.5	PASS
		VN	TN	4.35	0.002493	± 2.5	PASS
		VH	TN	-0.57	-0.000327	± 2.5	PASS
16QAM	LCH	VL	TN	4.6	0.002674	± 2.5	PASS
		VN	TN	2.87	0.001669	± 2.5	PASS
		VH	TN	1.18	0.000686	± 2.5	PASS
	MCH	VL	TN	3.18	0.001835	± 2.5	PASS
		VN	TN	3.39	0.001957	± 2.5	PASS
		VH	TN	1.12	0.000646	± 2.5	PASS
	HCH	VL	TN	2.91	0.001668	± 2.5	PASS
		VN	TN	-0.85	-0.000487	± 2.5	PASS
		VH	TN	3.9	0.002235	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.53	-0.000890	± 2.5	PASS
		VN	-20	1.34	0.000779	± 2.5	PASS
		VN	-10	-0.29	-0.000169	± 2.5	PASS
		VN	0	-0.69	-0.000401	± 2.5	PASS
		VN	10	1.65	0.000959	± 2.5	PASS
		VN	20	4.67	0.002715	± 2.5	PASS
		VN	30	3.2	0.001860	± 2.5	PASS
		VN	40	1.28	0.000744	± 2.5	PASS
		VN	50	4.82	0.002802	± 2.5	PASS

	MCH	VN	-30	1.76	0.001016	± 2.5	PASS
		VN	-20	4.63	0.002672	± 2.5	PASS
		VN	-10	1.94	0.001120	± 2.5	PASS
		VN	0	-0.82	-0.000473	± 2.5	PASS
		VN	10	3.82	0.002205	± 2.5	PASS
		VN	20	1.5	0.000866	± 2.5	PASS
		VN	30	-0.18	-0.000104	± 2.5	PASS
		VN	40	0.73	0.000421	± 2.5	PASS
		VN	50	-1.4	-0.000808	± 2.5	PASS
	HCH	VN	-30	-0.39	-0.000223	± 2.5	PASS
		VN	-20	4.21	0.002413	± 2.5	PASS
		VN	-10	4.33	0.002481	± 2.5	PASS
		VN	0	1.22	0.000699	± 2.5	PASS
		VN	10	-0.22	-0.000126	± 2.5	PASS
		VN	20	3.89	0.002229	± 2.5	PASS
		VN	30	0.88	0.000504	± 2.5	PASS
		VN	40	2.3	0.001318	± 2.5	PASS
		VN	50	2.37	0.001358	± 2.5	PASS
16QAM	LCH	VN	-30	3.07	0.001772	± 2.5	PASS
		VN	-20	1.68	0.000970	± 2.5	PASS
		VN	-10	1.17	0.000675	± 2.5	PASS
		VN	0	3.56	0.002055	± 2.5	PASS
		VN	10	3.7	0.002136	± 2.5	PASS
		VN	20	3.1	0.001789	± 2.5	PASS
		VN	30	3.66	0.002113	± 2.5	PASS
		VN	40	4.23	0.002442	± 2.5	PASS
		VN	50	-0.89	-0.000514	± 2.5	PASS
	MCH	VN	-30	0.21	0.000120	± 2.5	PASS
		VN	-20	4.52	0.002590	± 2.5	PASS
		VN	-10	-1.15	-0.000659	± 2.5	PASS
		VN	0	2.05	0.001175	± 2.5	PASS
		VN	10	-0.97	-0.000556	± 2.5	PASS
		VN	20	-0.96	-0.000550	± 2.5	PASS
		VN	30	1.02	0.000585	± 2.5	PASS
		VN	40	-0.07	-0.000040	± 2.5	PASS
		VN	50	-1.34	-0.000768	± 2.5	PASS
HCH	VN	-30	3.07	0.001759	± 2.5	PASS	
	VN	-20	1.5	0.000860	± 2.5	PASS	
	VN	-10	-0.49	-0.000281	± 2.5	PASS	
	VN	0	3.99	0.002287	± 2.5	PASS	
	VN	10	-1.64	-0.000940	± 2.5	PASS	

		VN	20	0	0.000000	± 2.5	PASS
		VN	30	3.85	0.002206	± 2.5	PASS
		VN	40	4	0.002292	± 2.5	PASS
		VN	50	-0.85	-0.000487	± 2.5	PASS