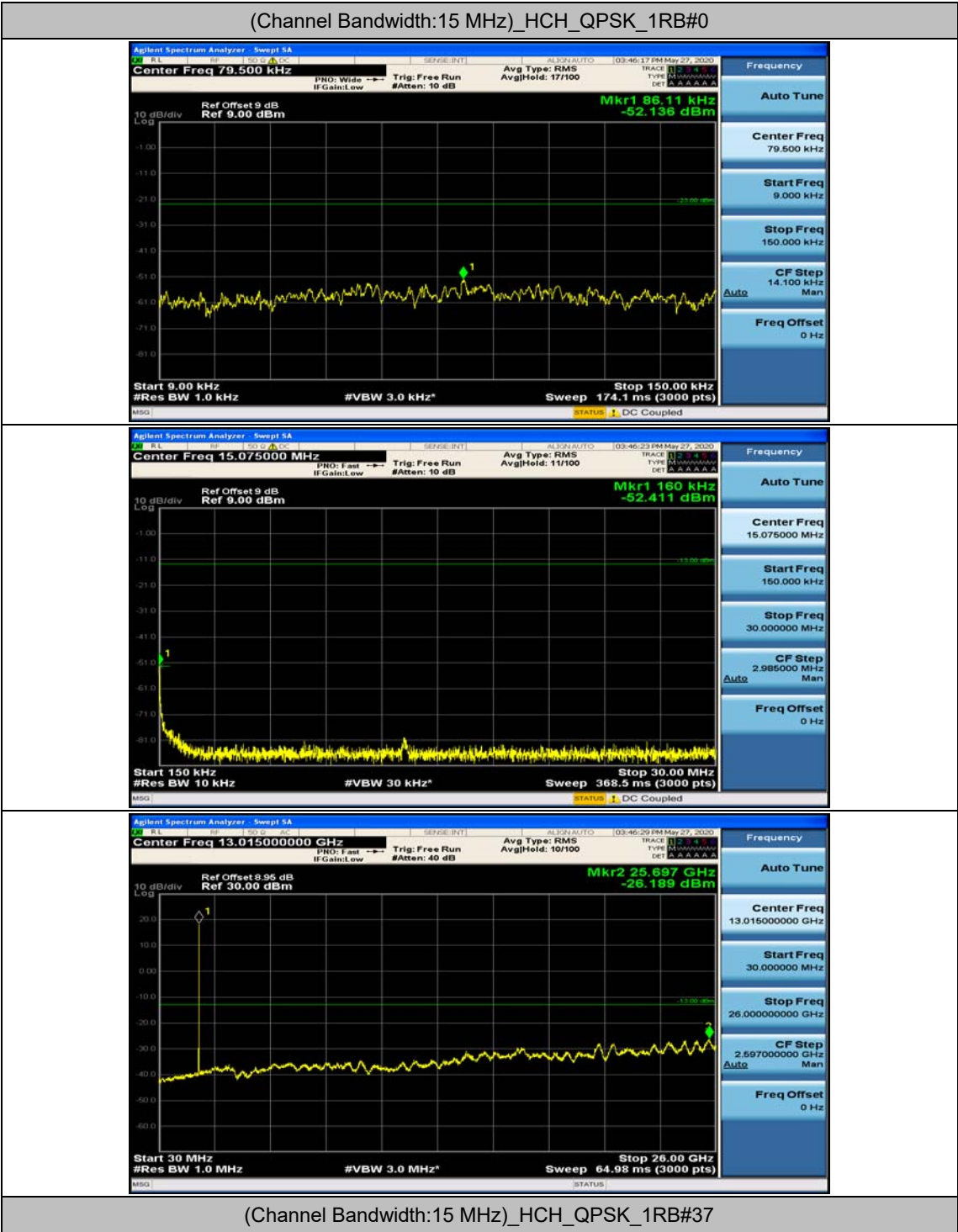
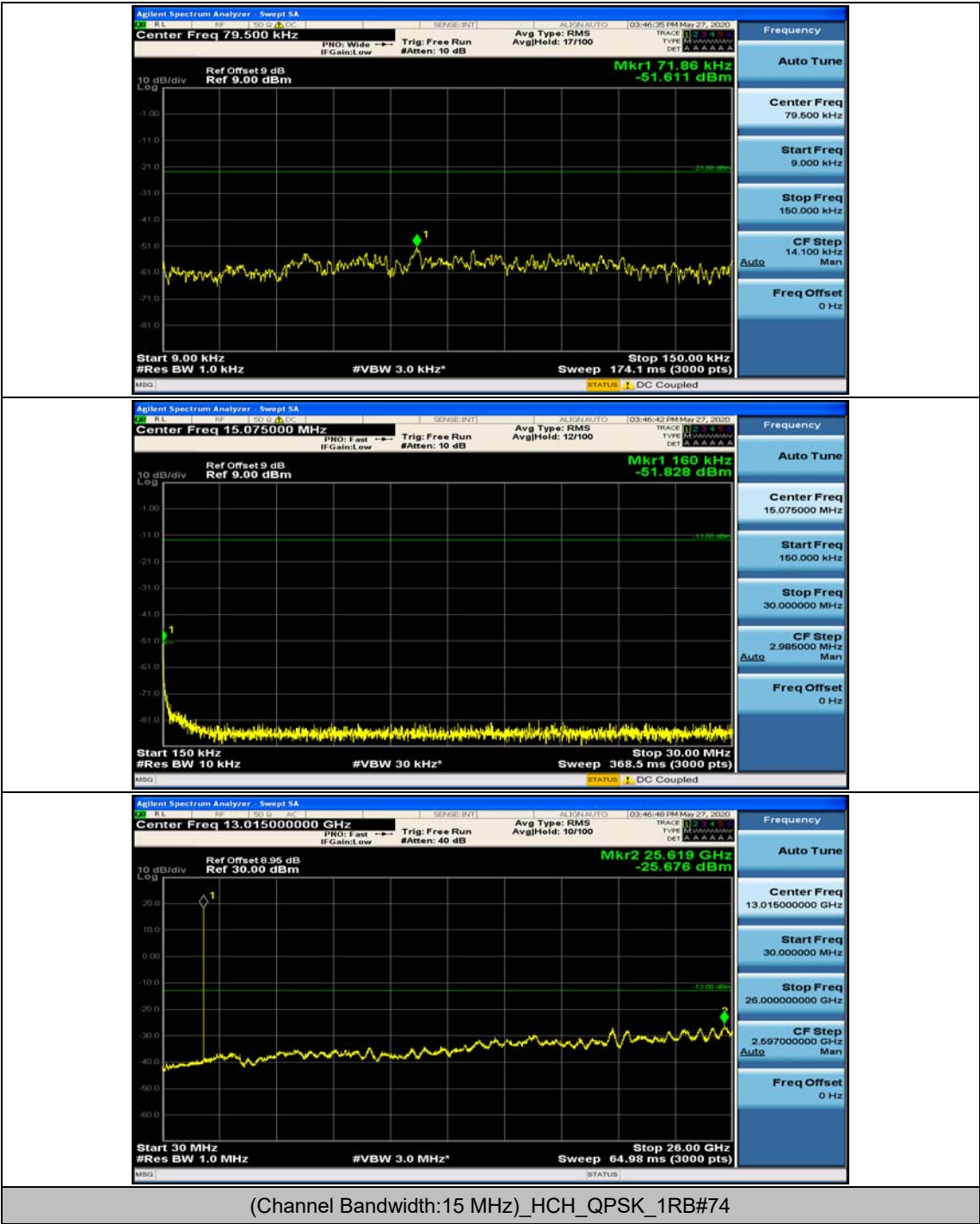
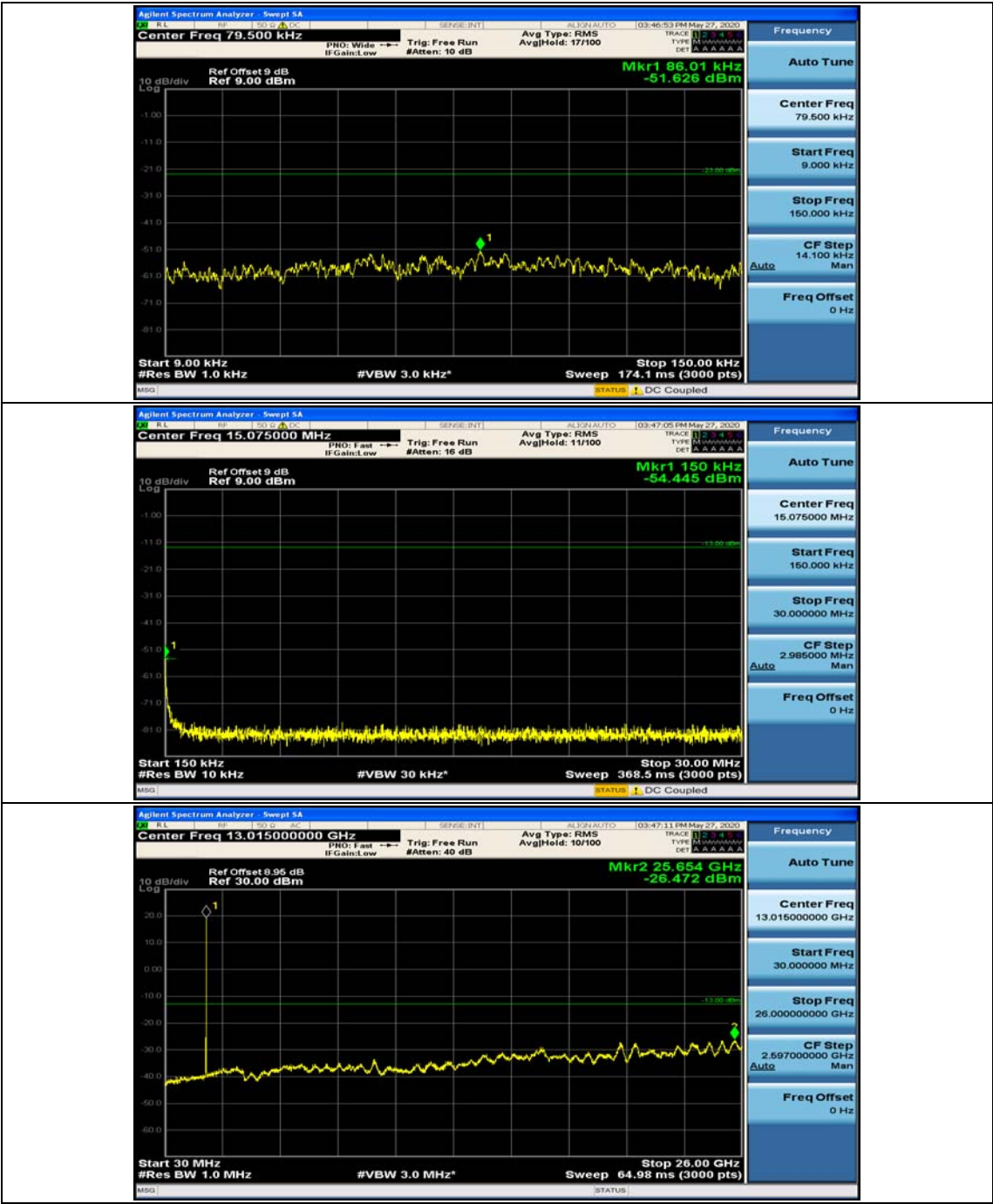
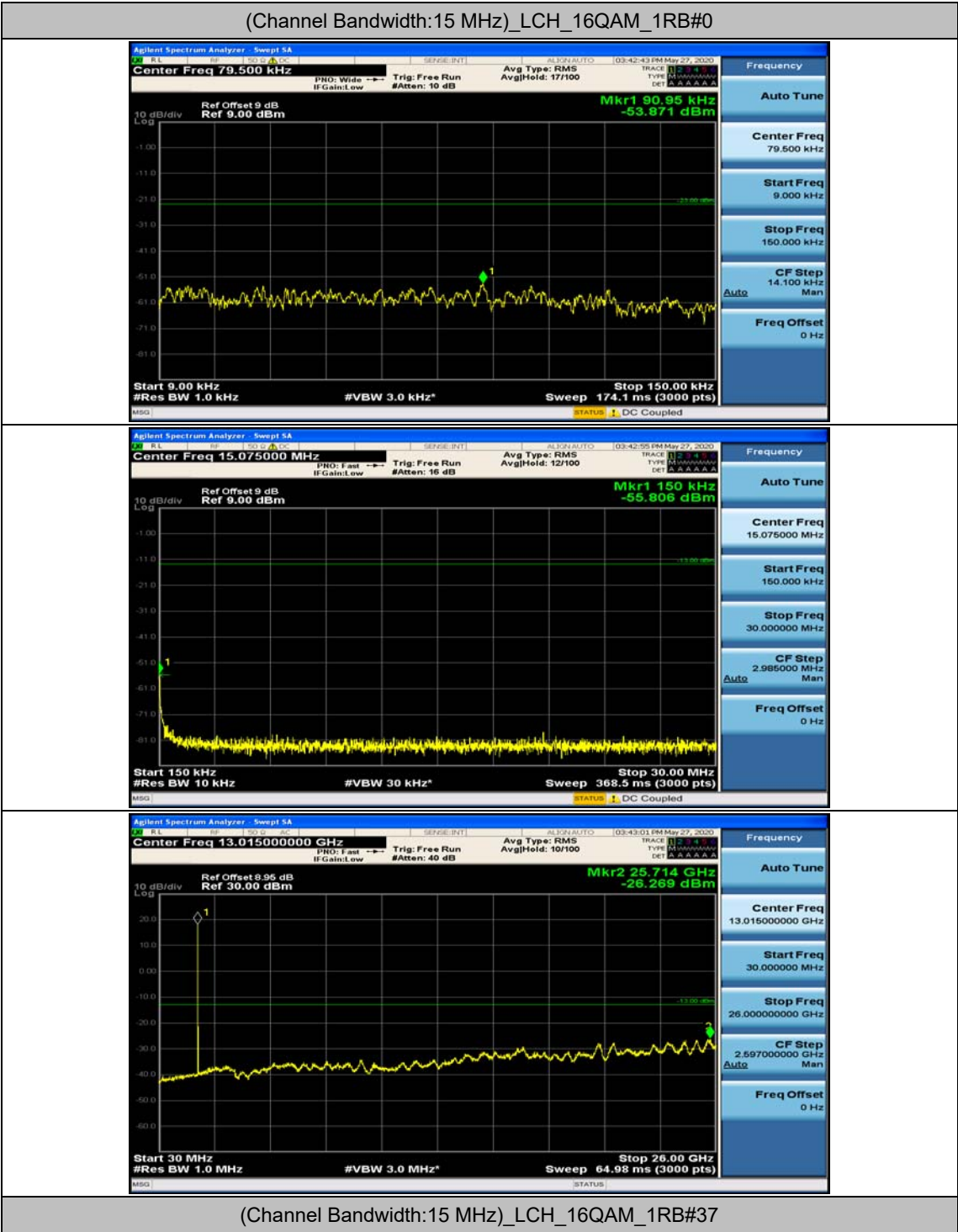
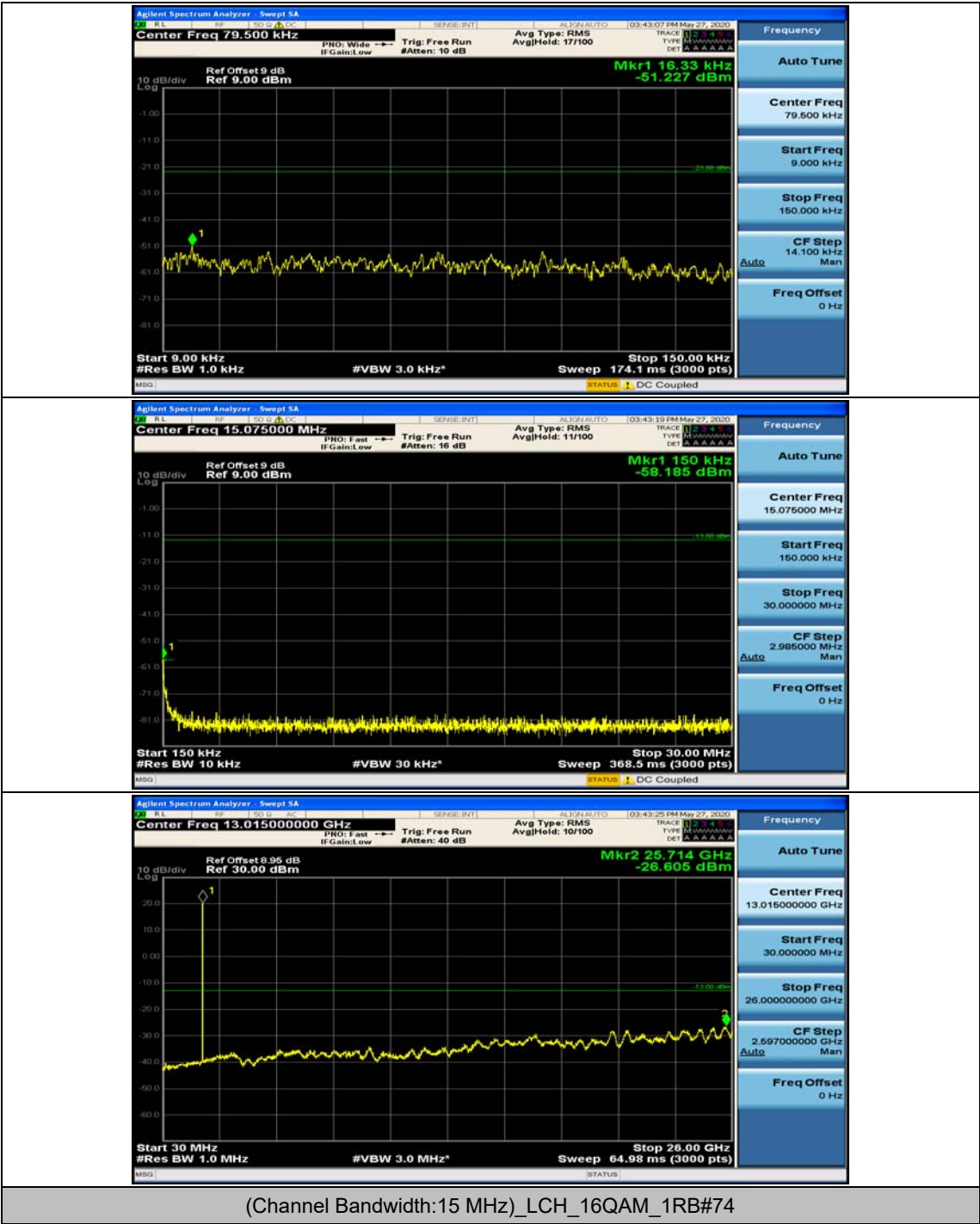


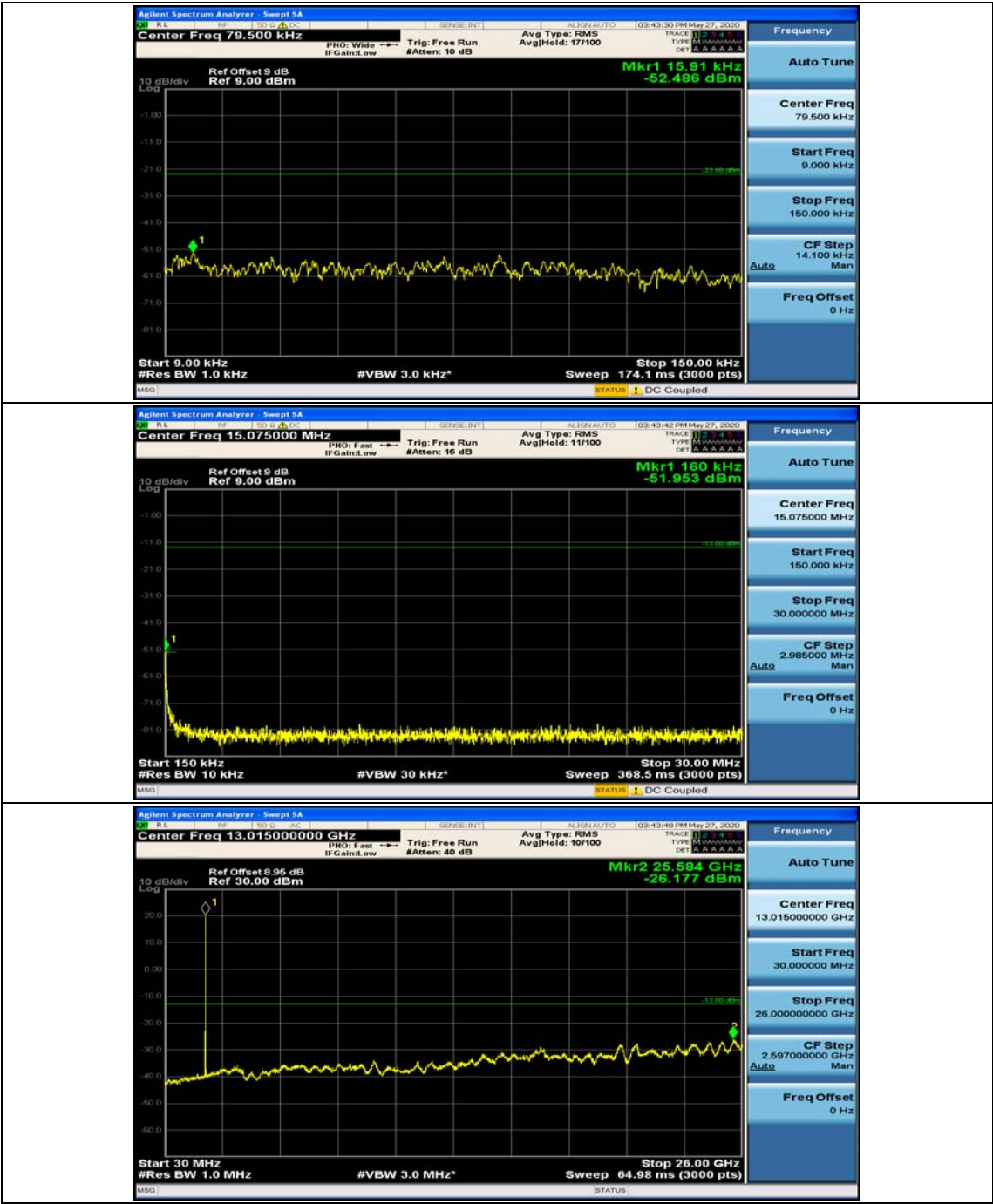


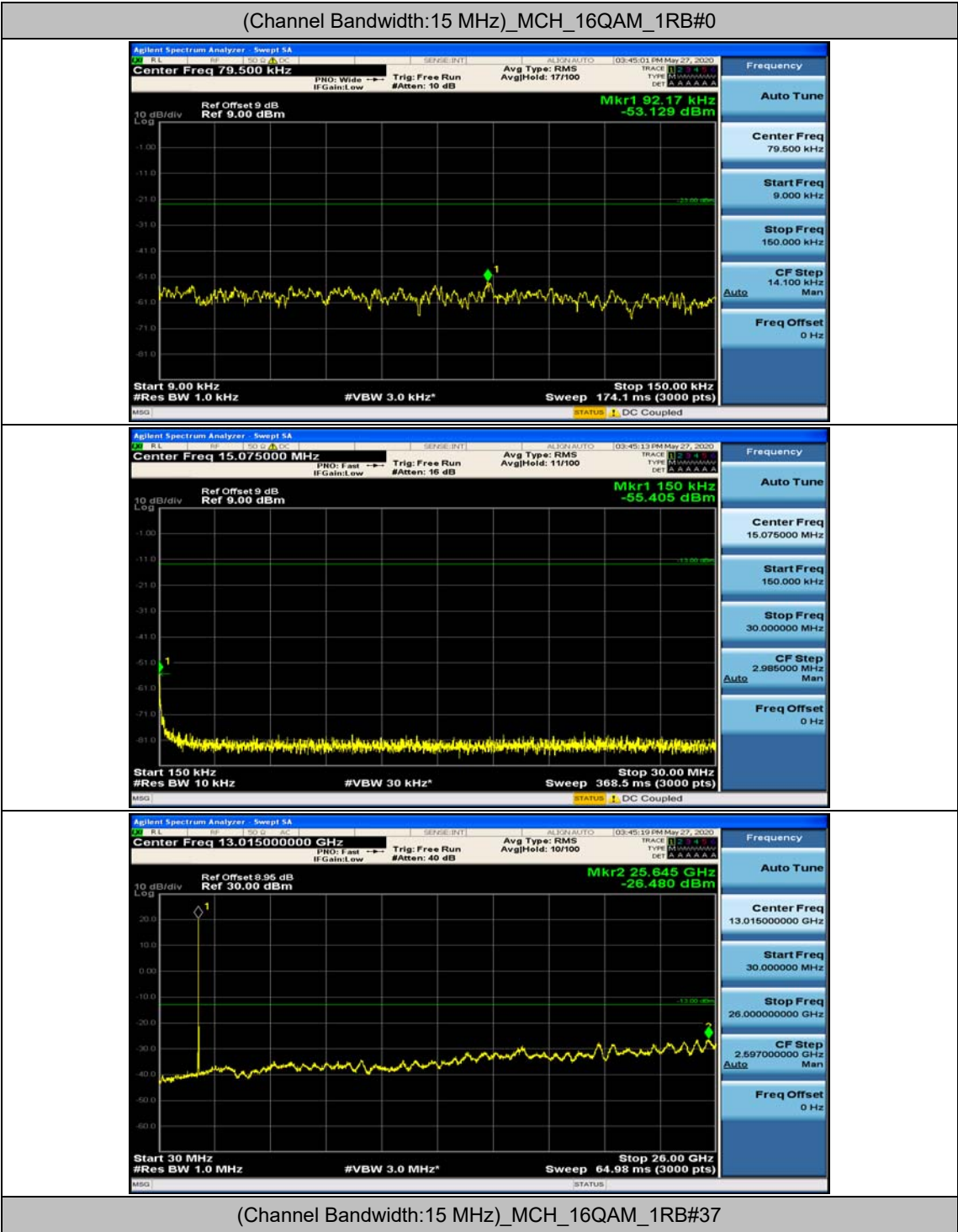


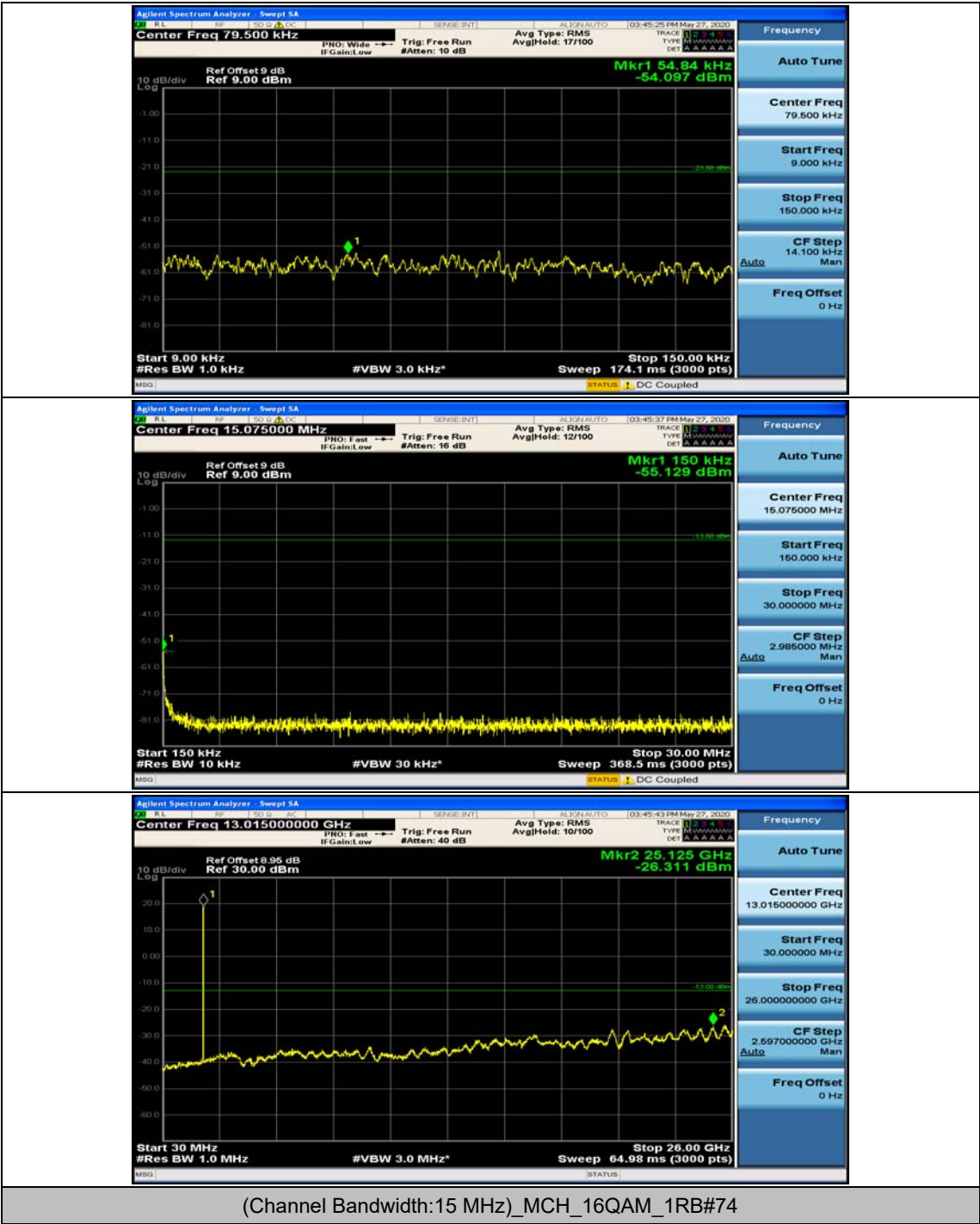


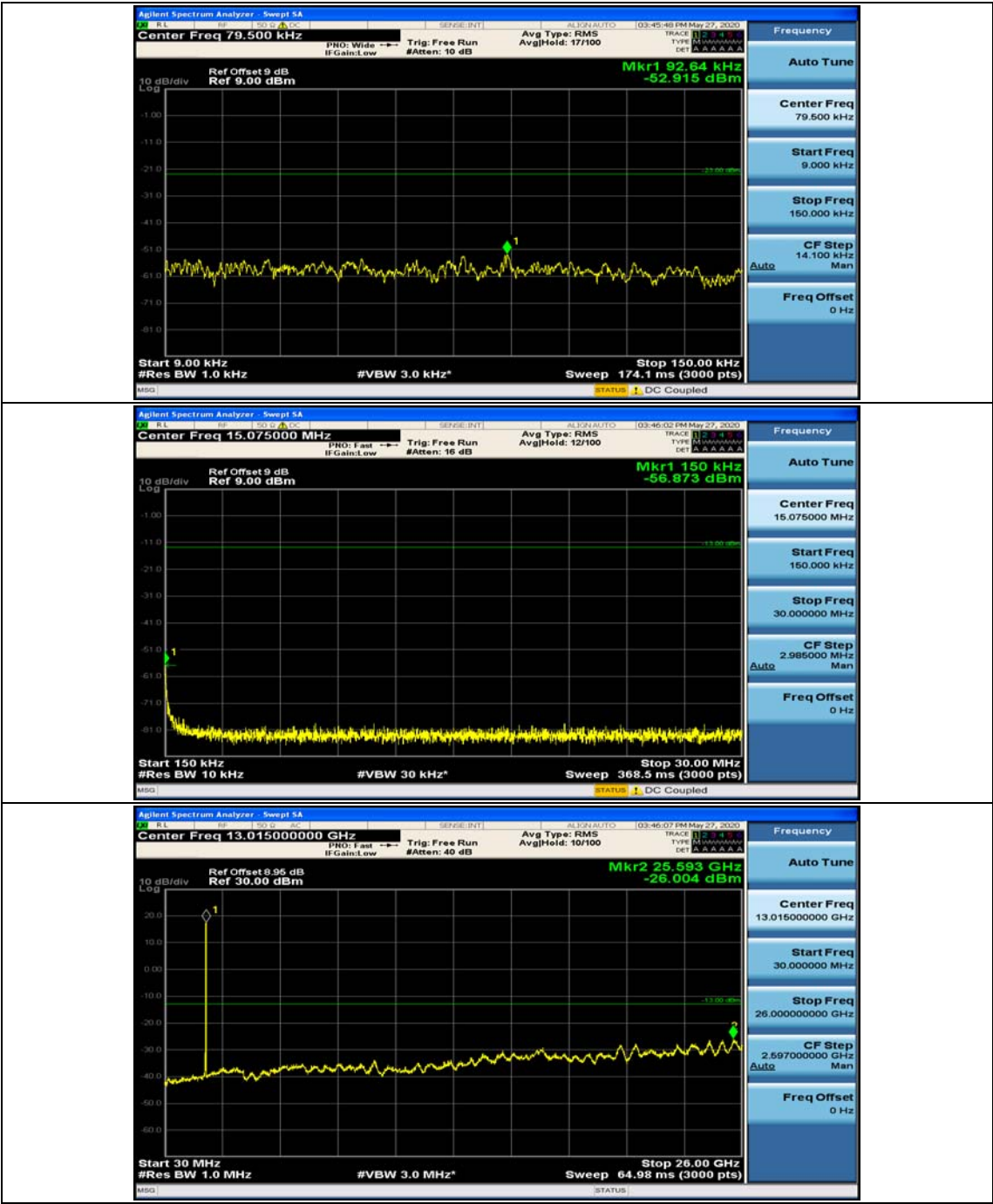


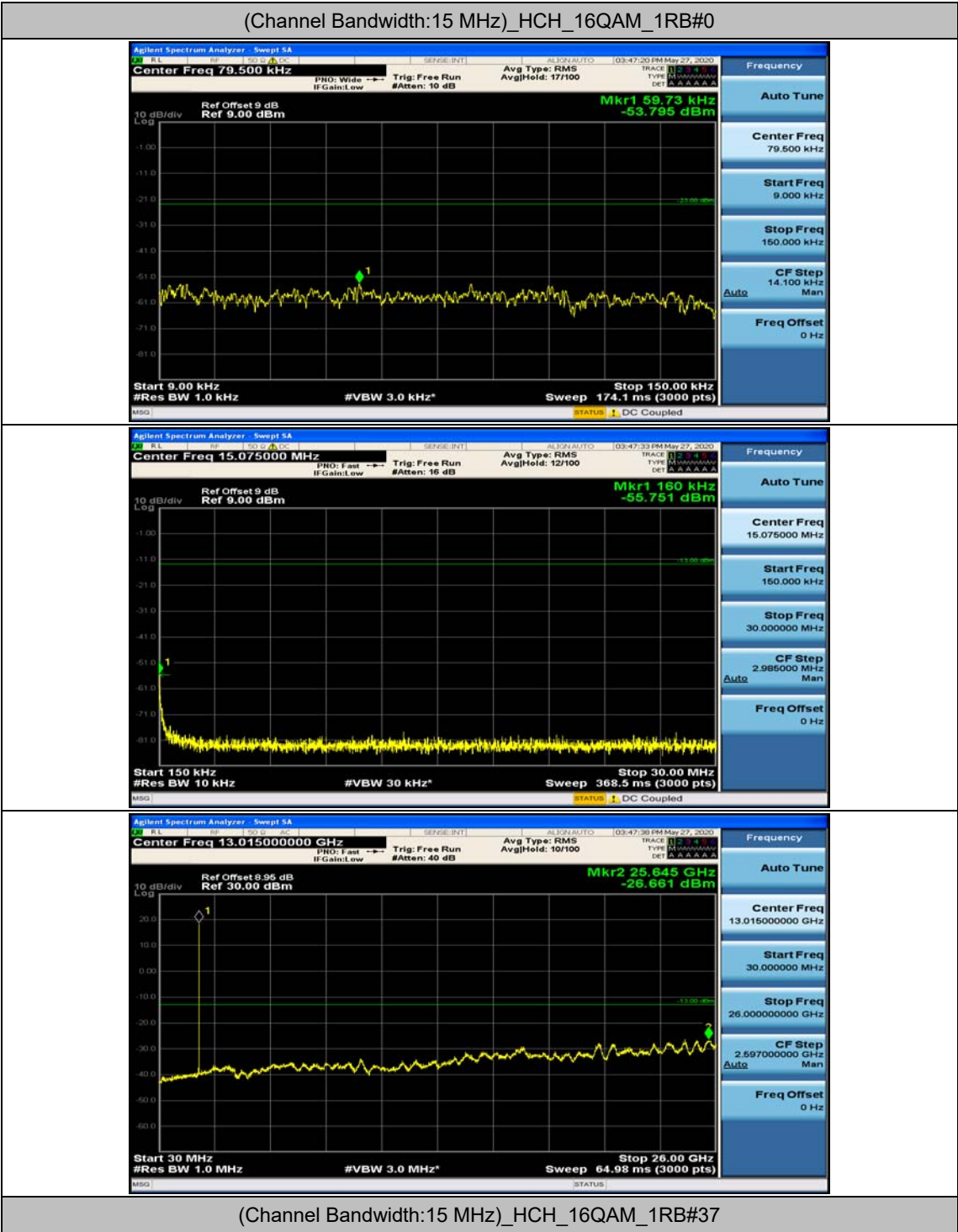


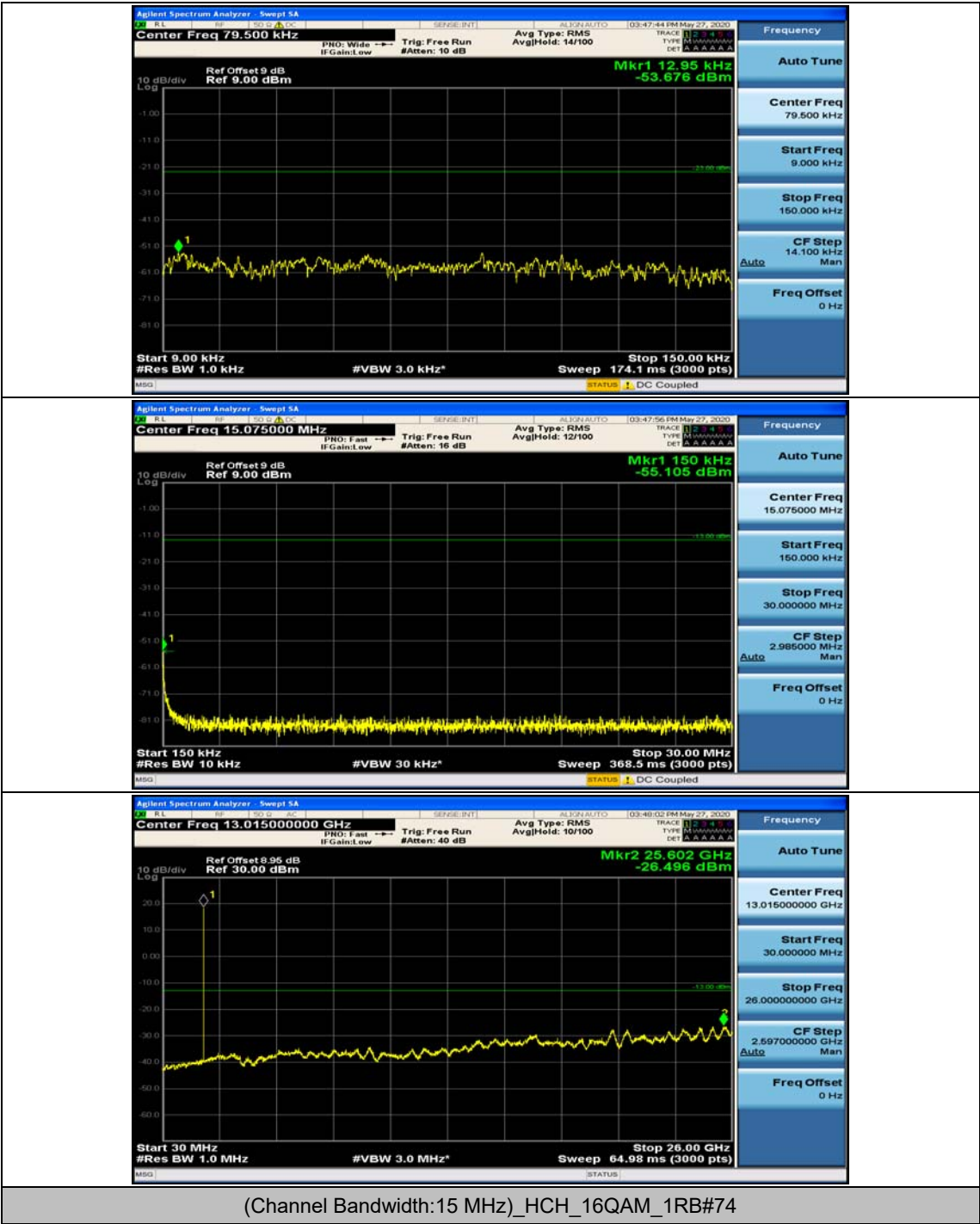


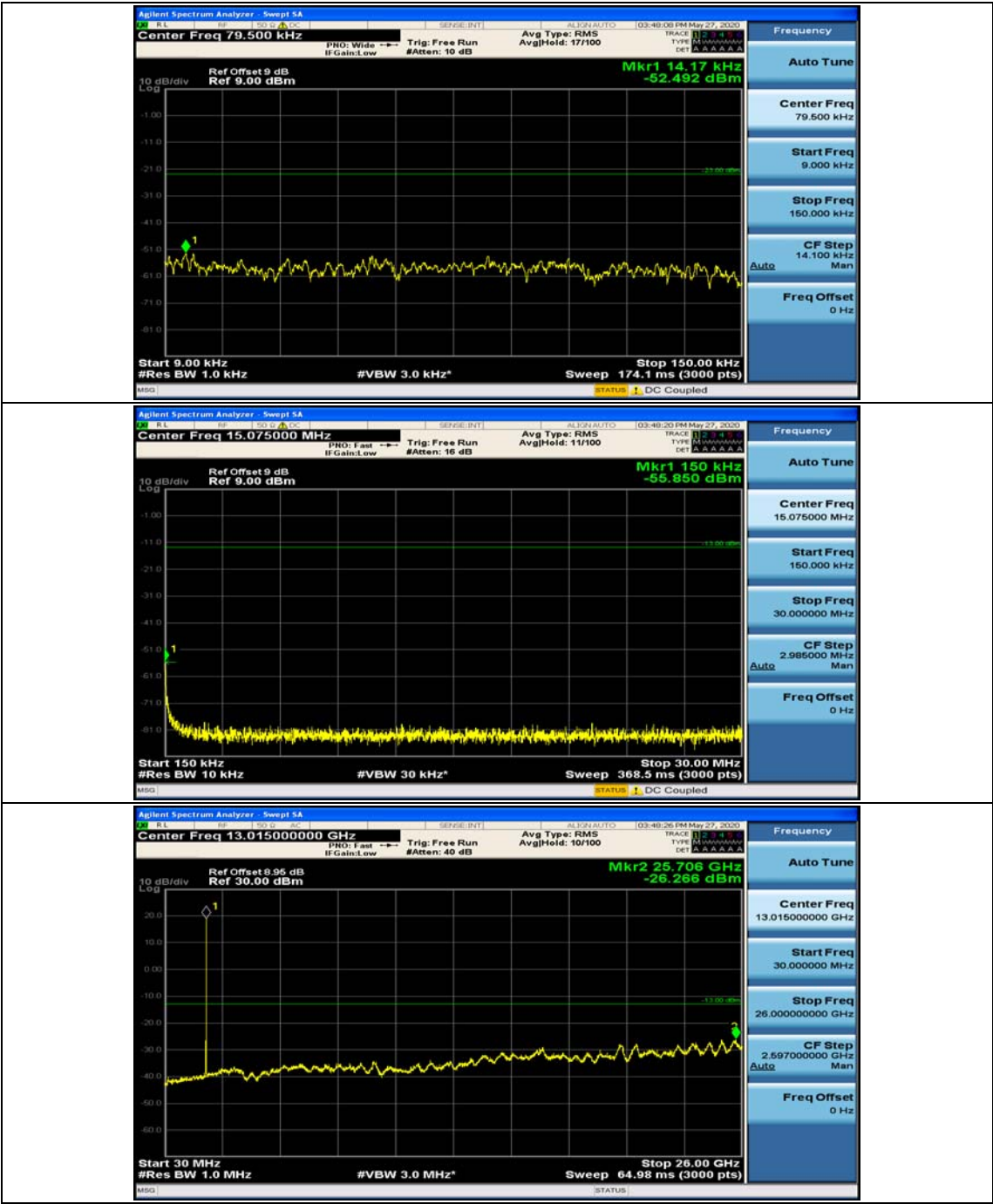




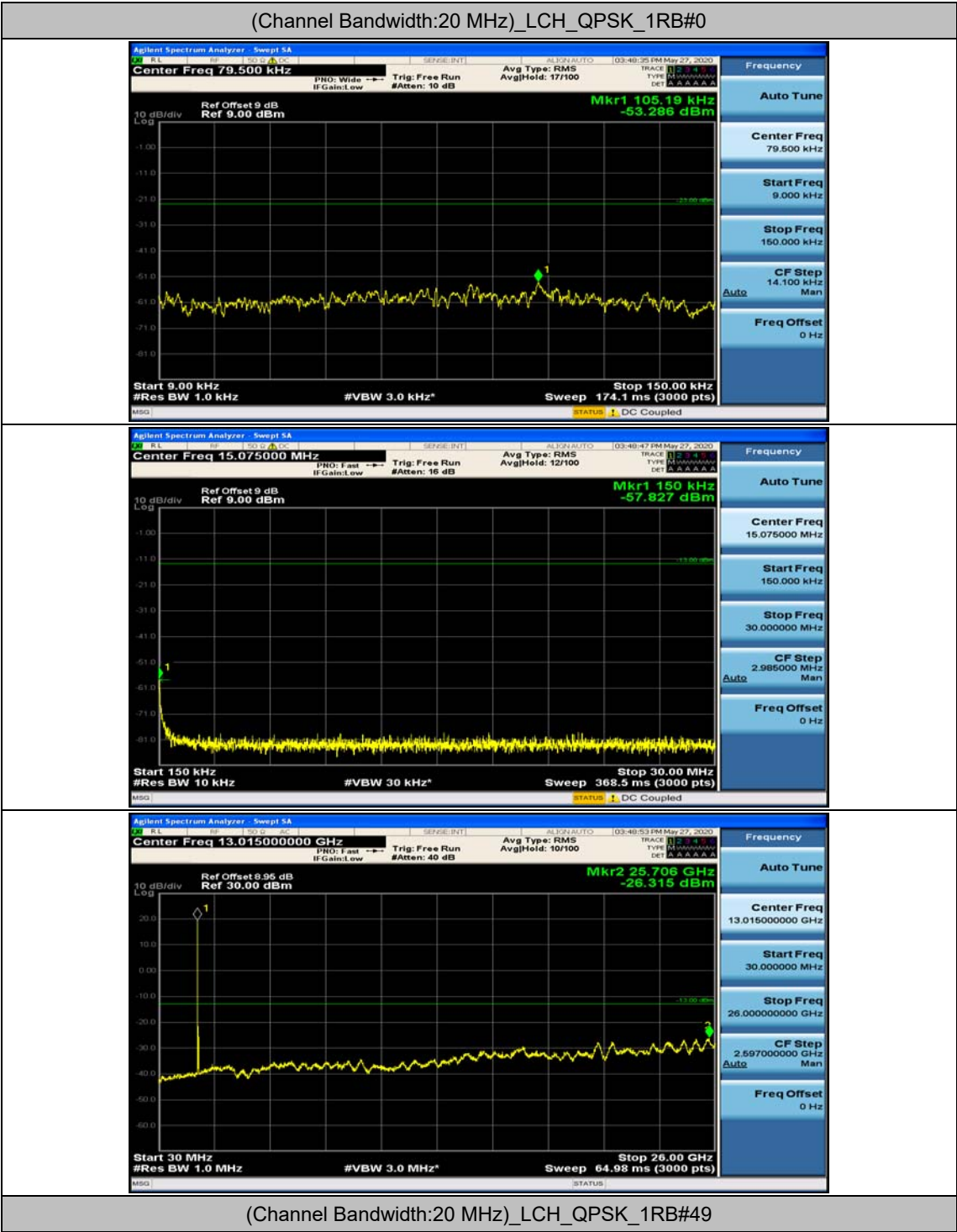


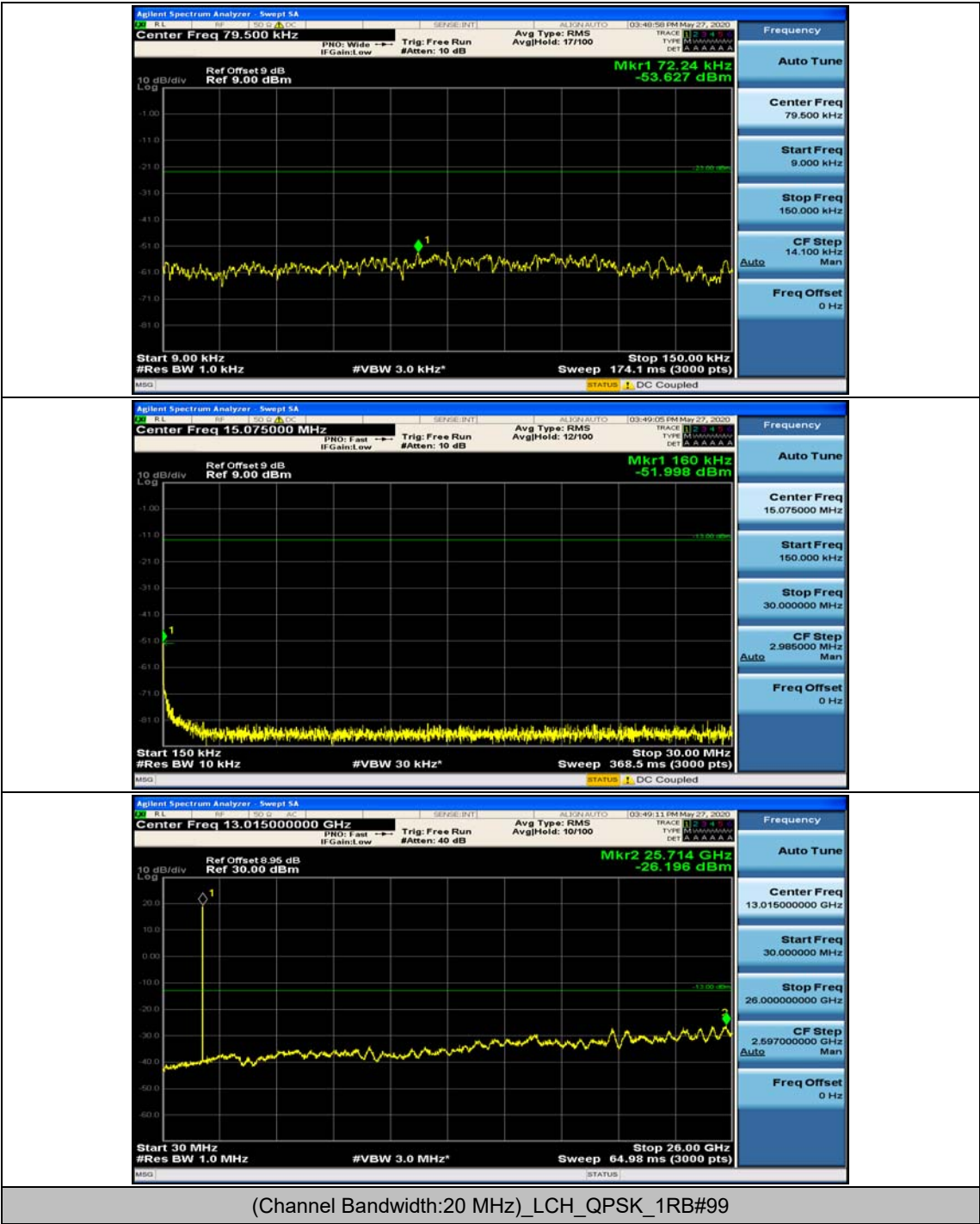


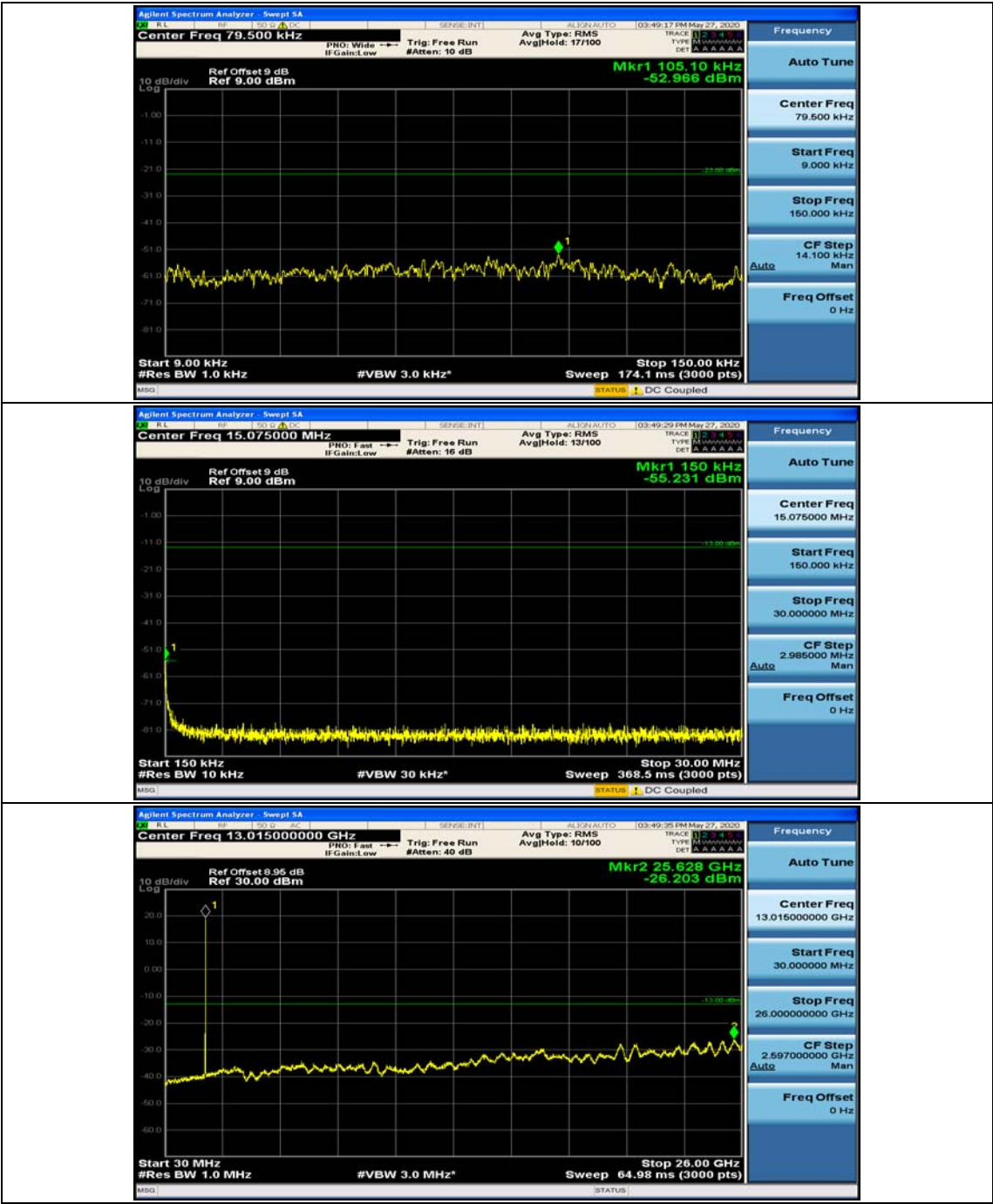


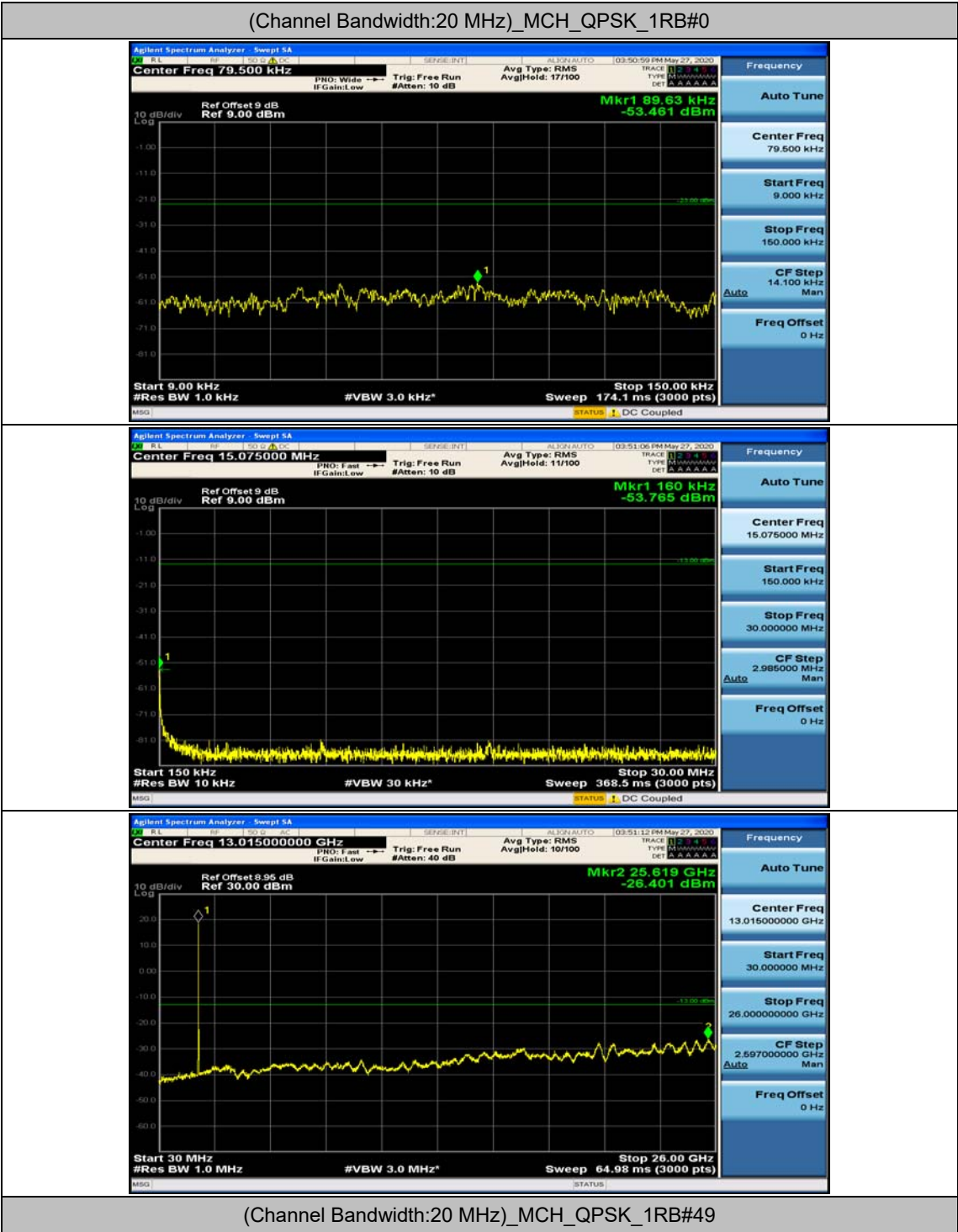


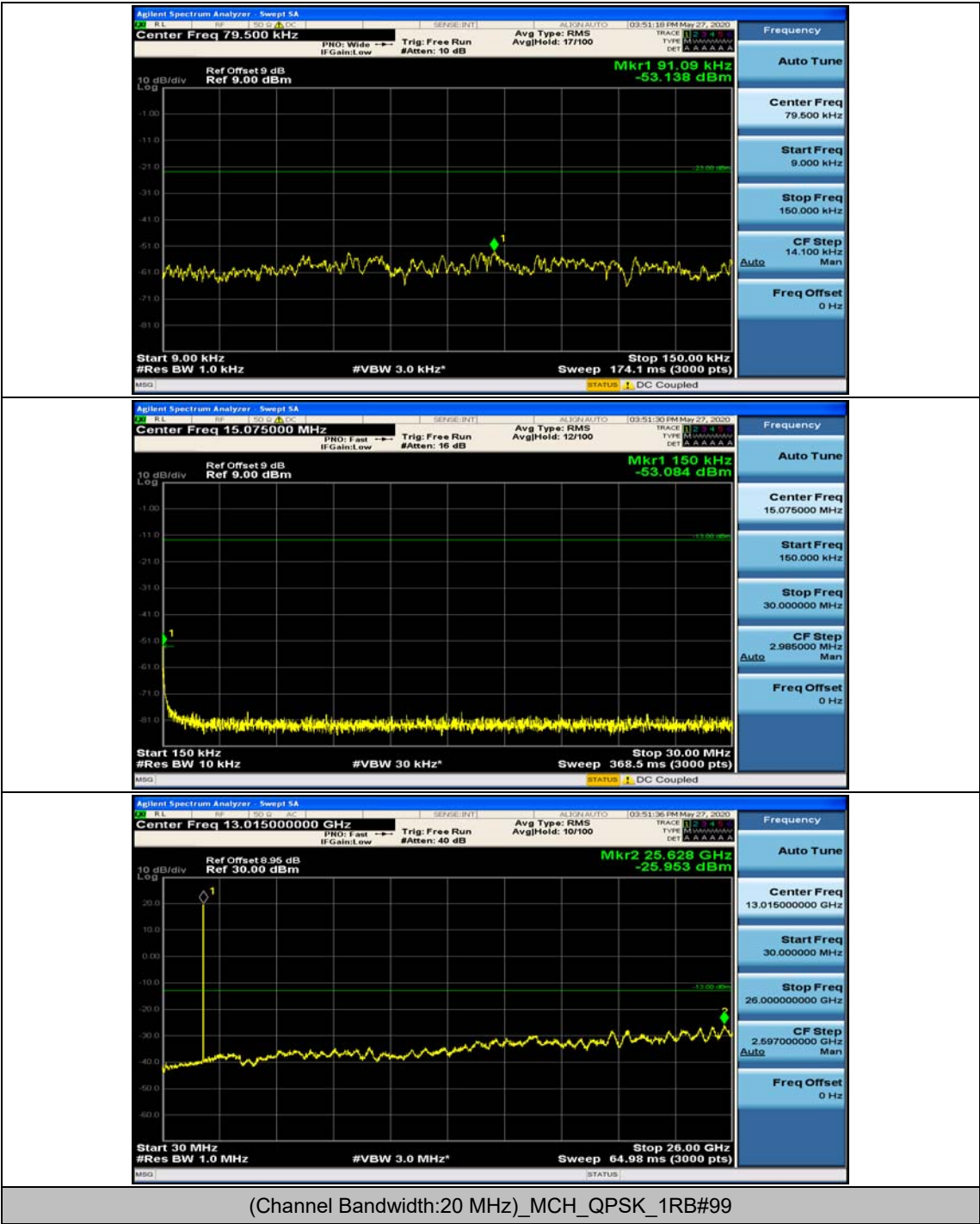
Channel Bandwidth: 20 MHz

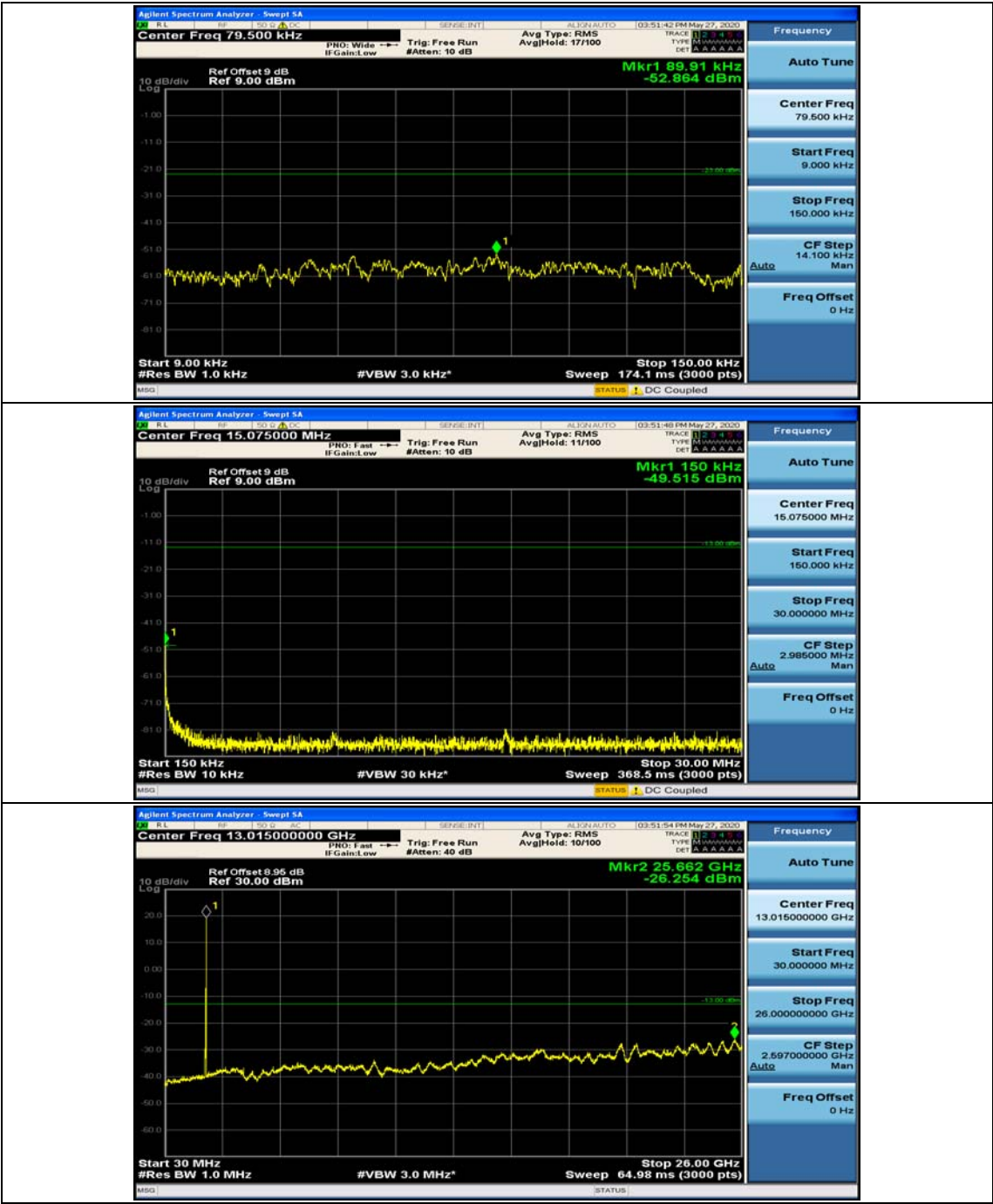


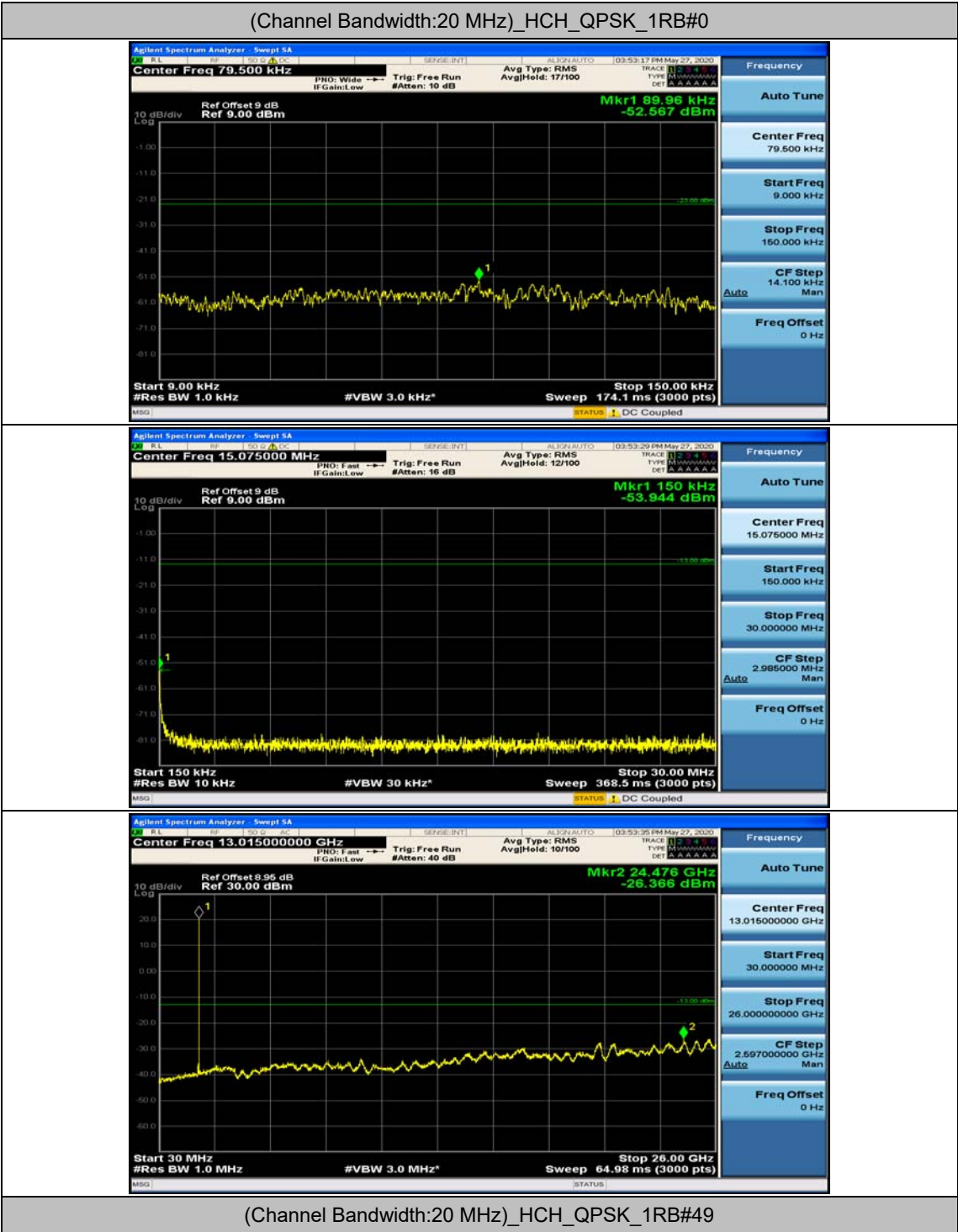


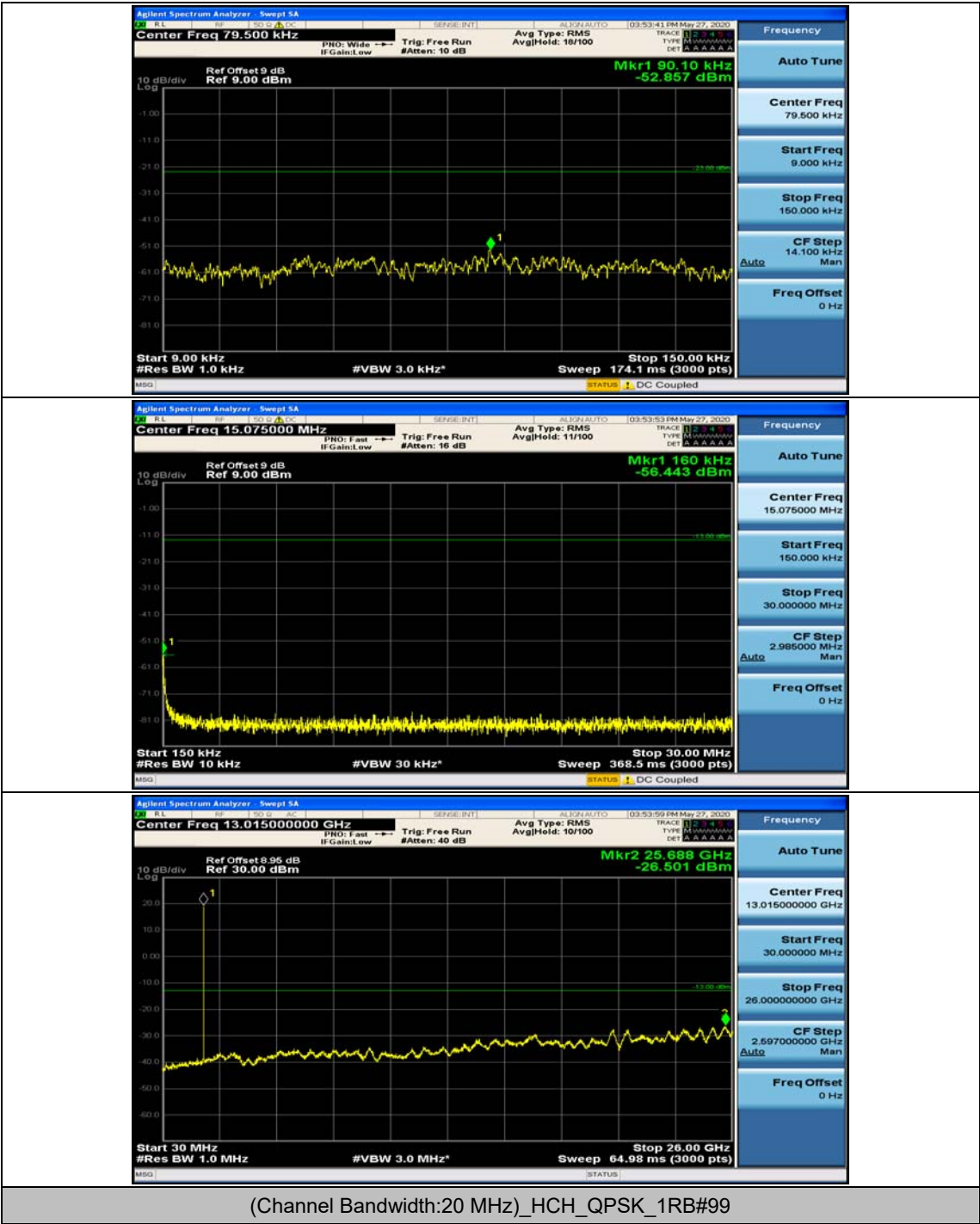


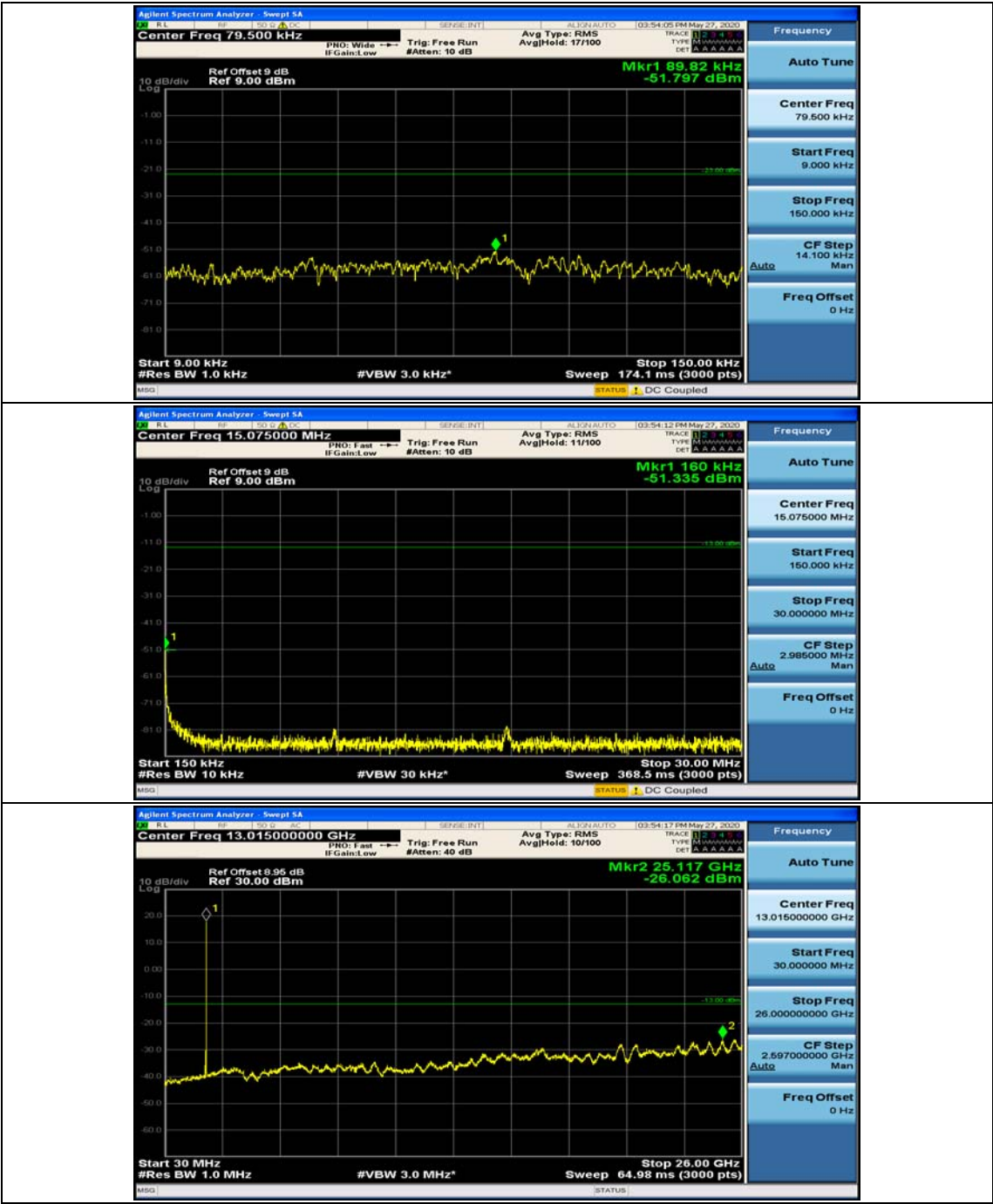


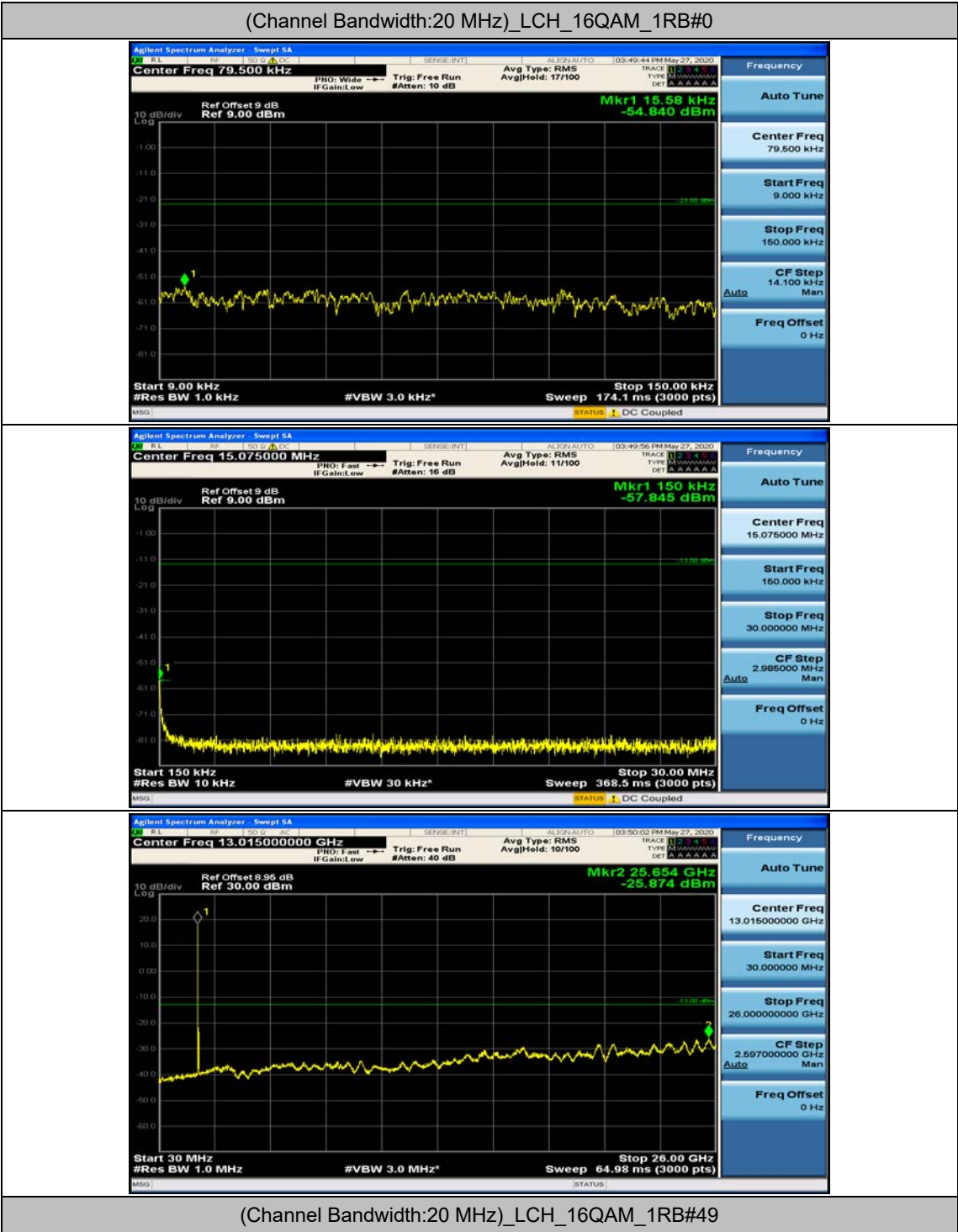


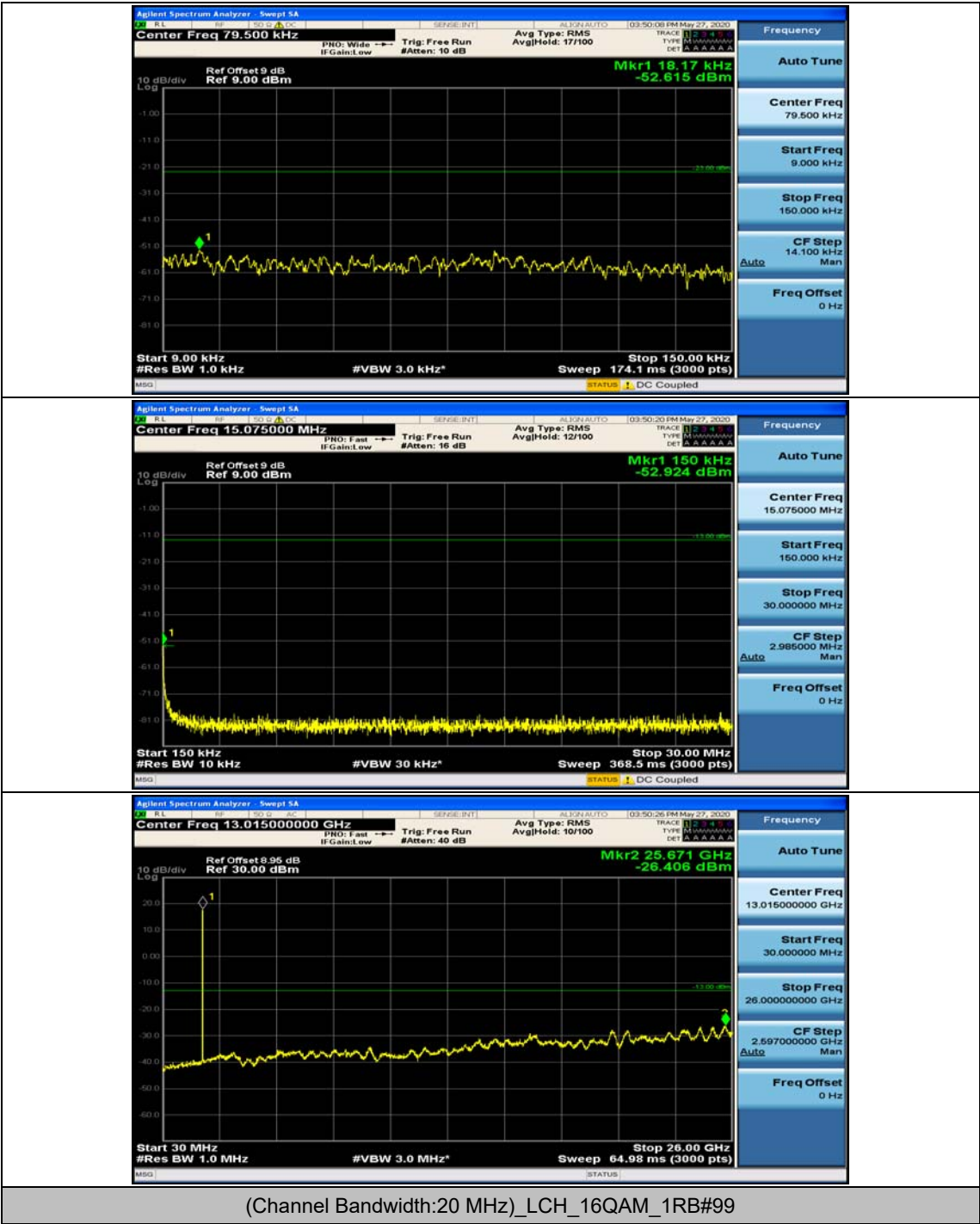


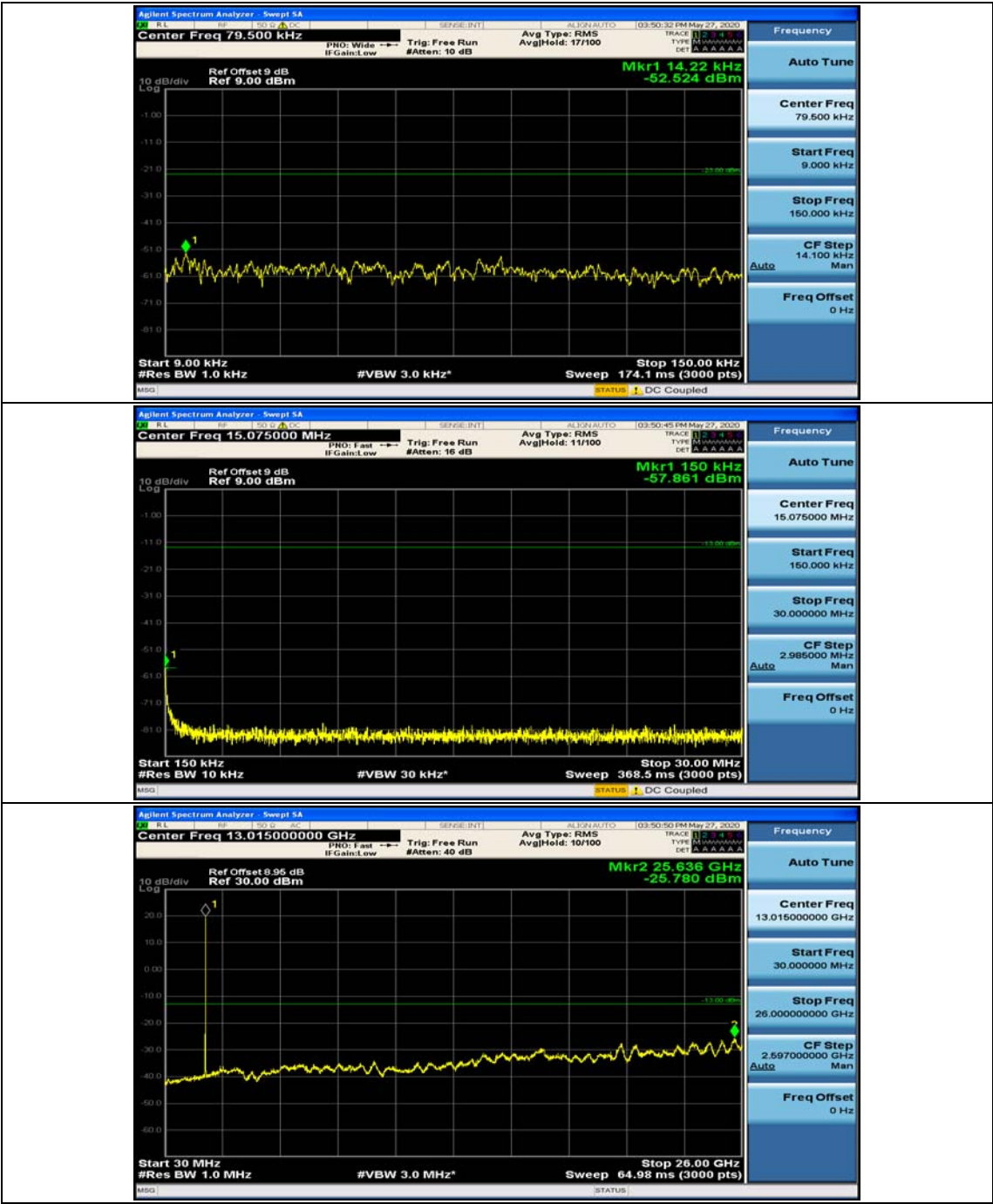


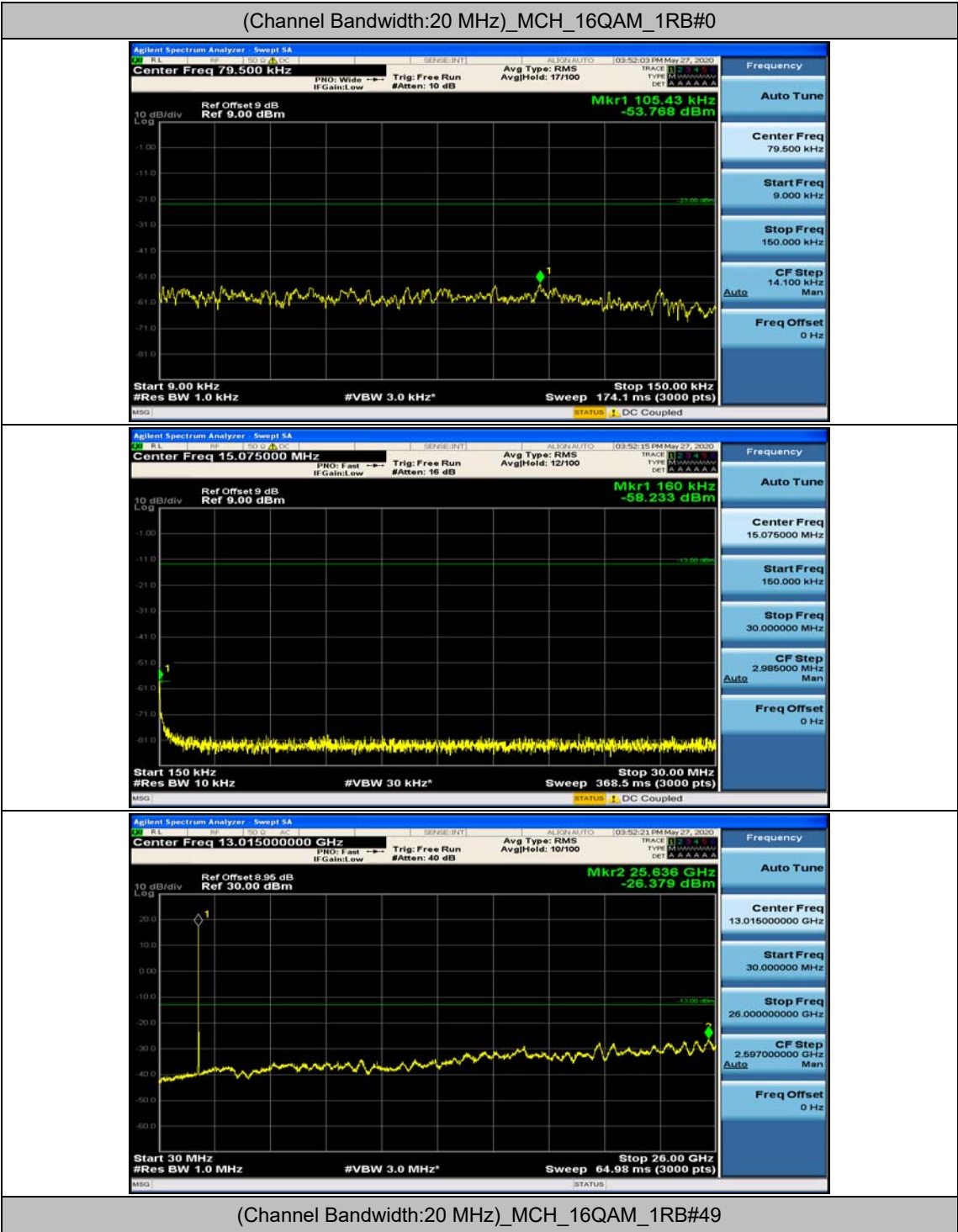


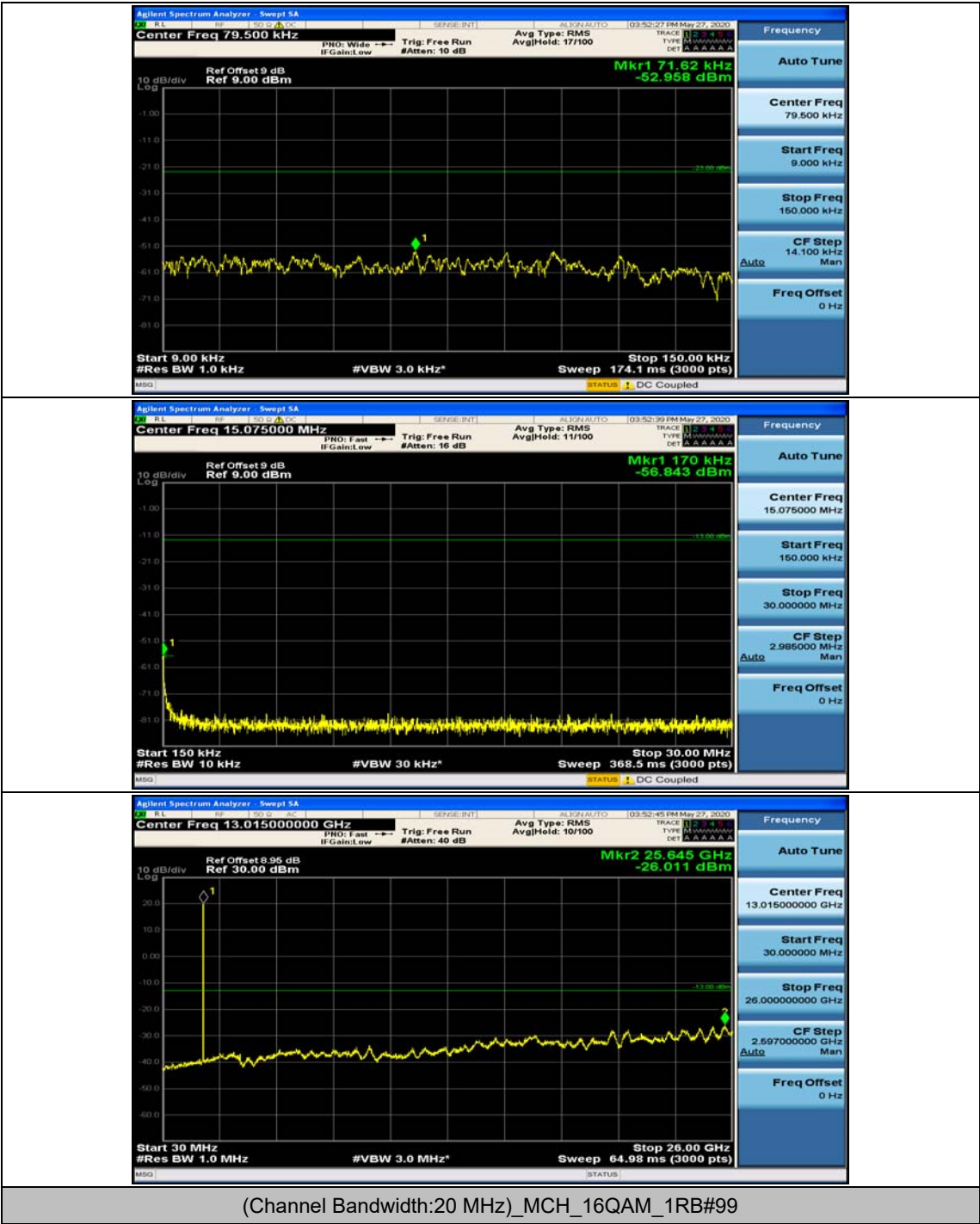


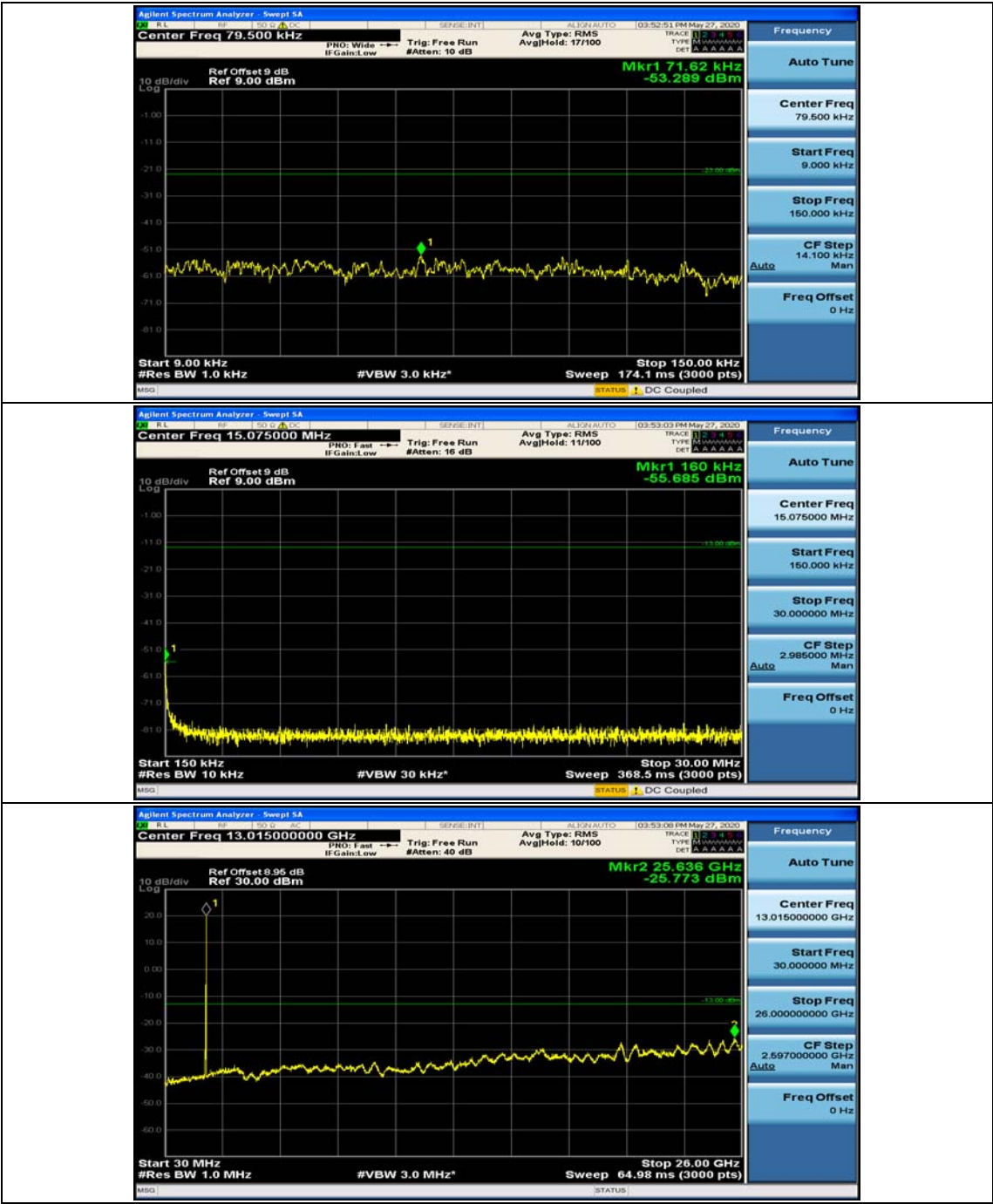


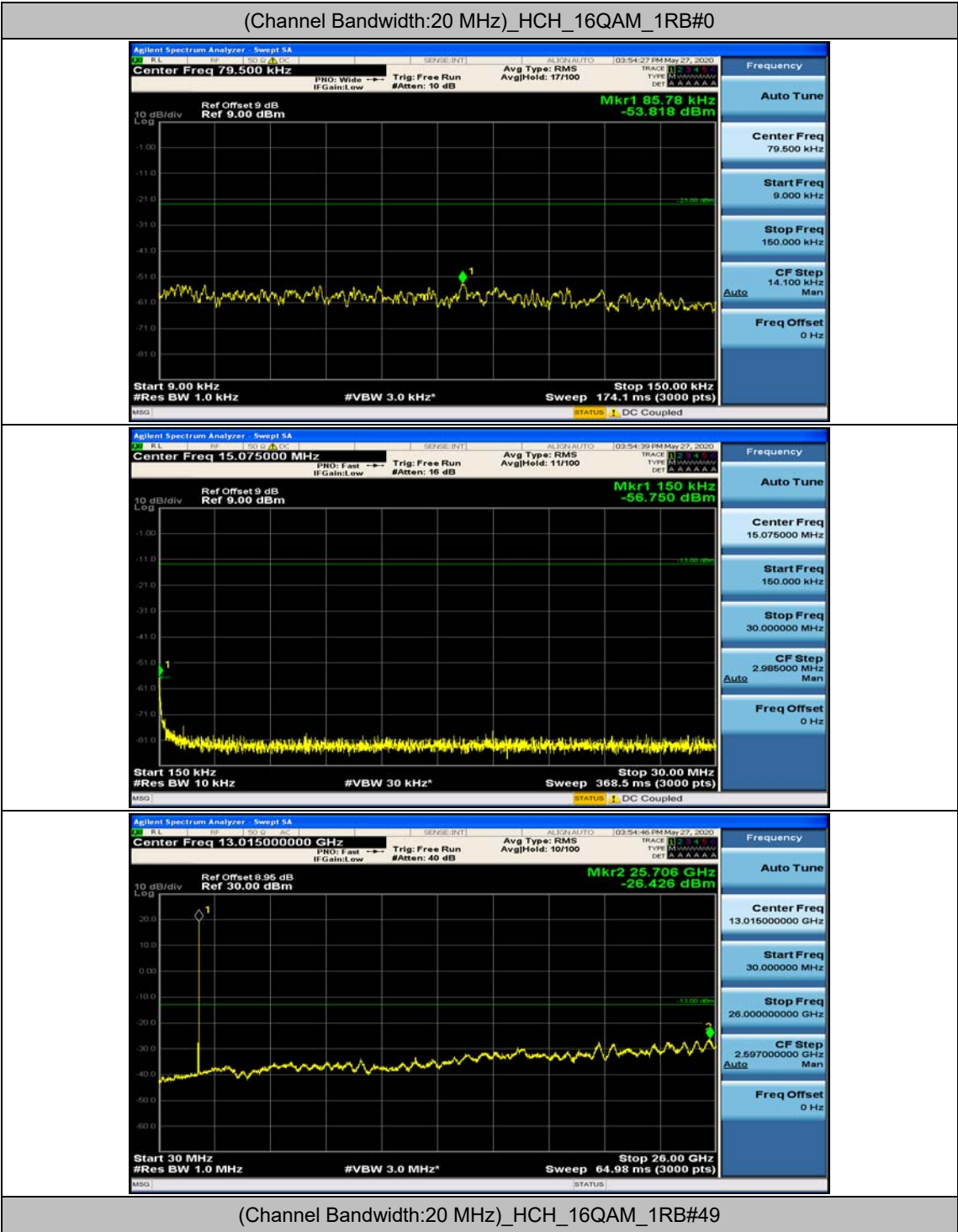


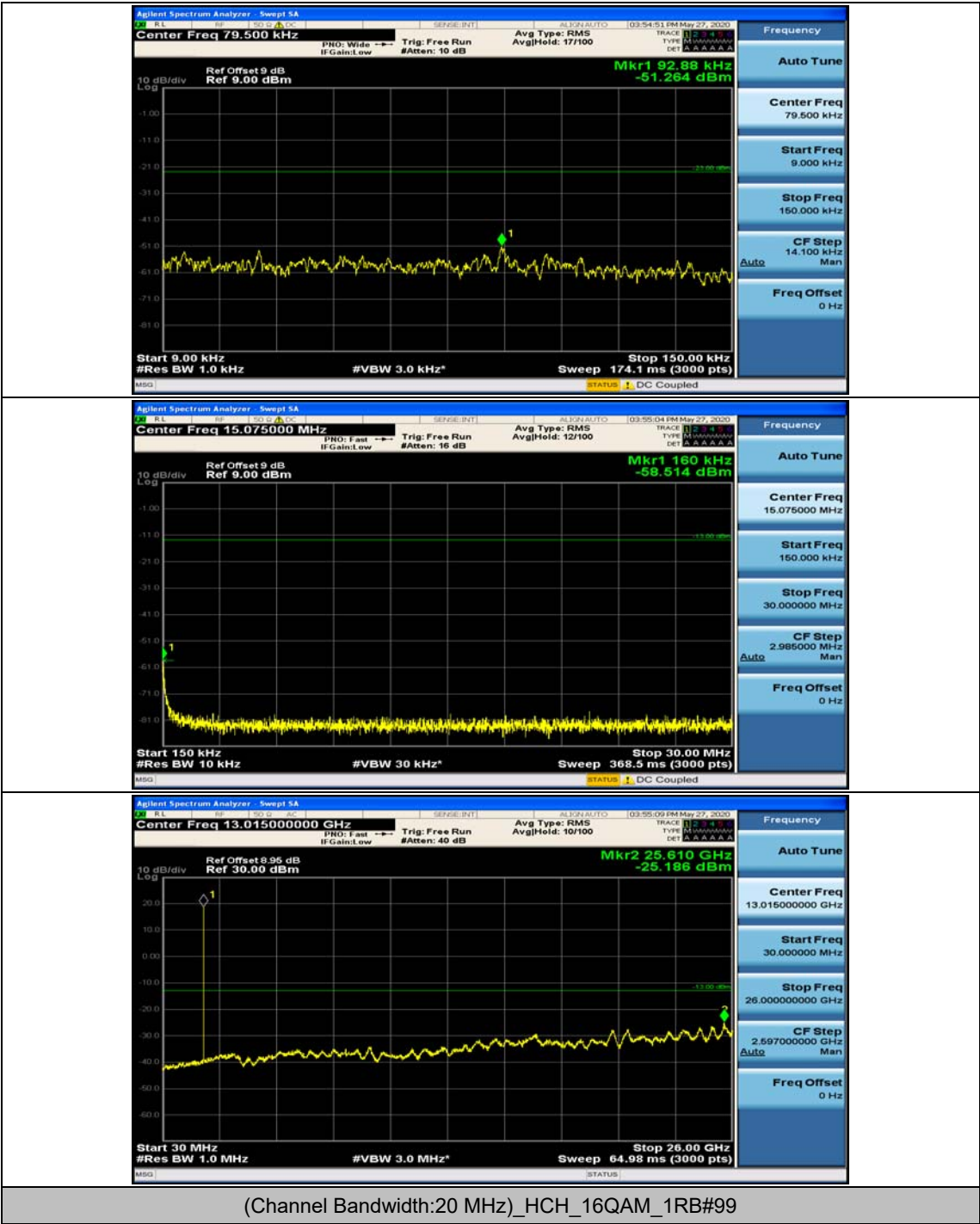


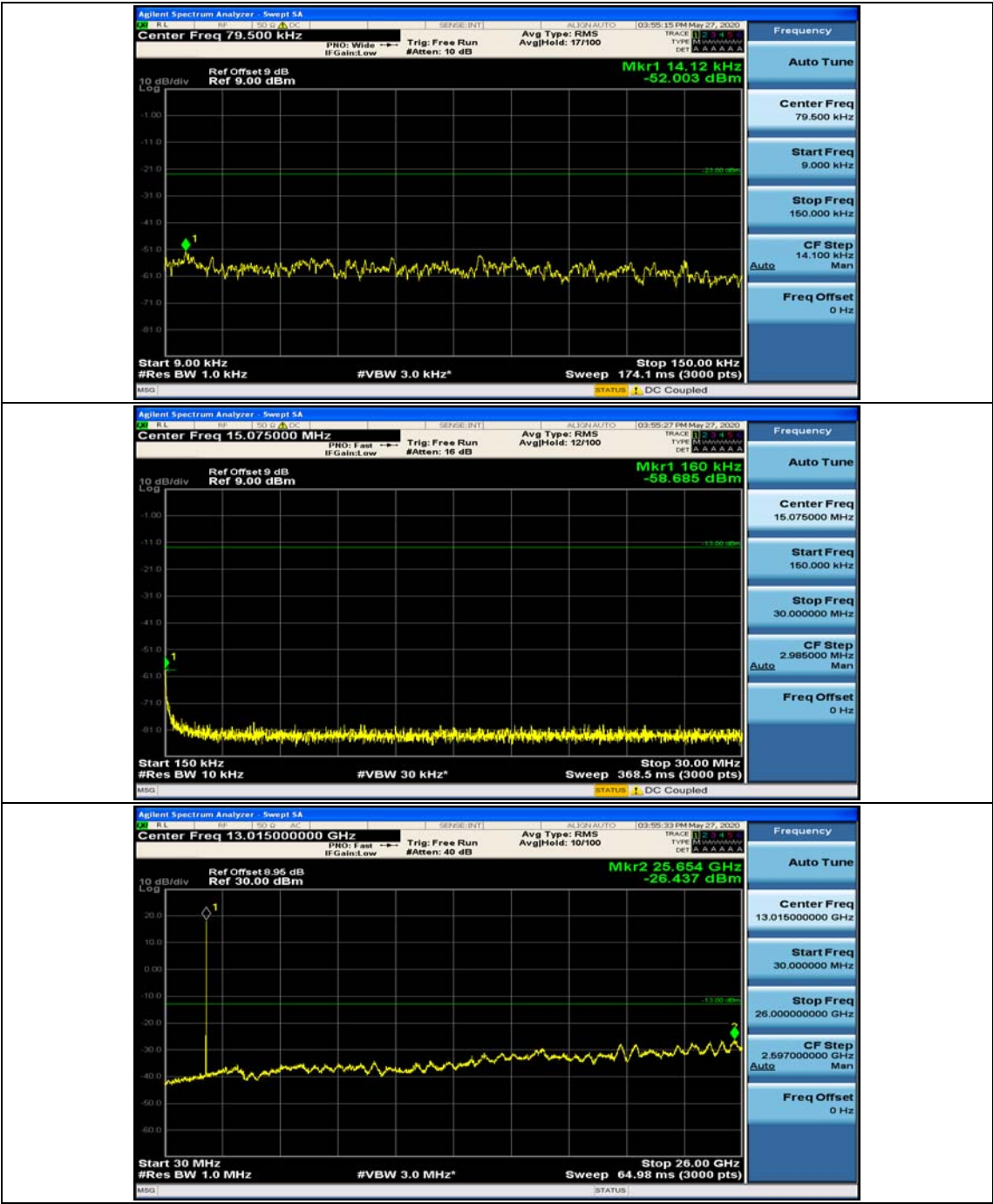












Appendix F: Frequency Stability

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	-1.22	-0.000659	± 2.5	PASS
		VN	TN	-0.17	-0.000092	± 2.5	PASS
		VH	TN	-0.11	-0.000059	± 2.5	PASS
	MCH	VL	TN	-1.86	-0.000989	± 2.5	PASS
		VN	TN	3.19	0.001697	± 2.5	PASS
		VH	TN	2.52	0.001340	± 2.5	PASS
	HCH	VL	TN	2.19	0.001147	± 2.5	PASS
		VN	TN	-1.48	-0.000775	± 2.5	PASS
		VH	TN	2.92	0.001529	± 2.5	PASS
16QAM	LCH	VL	TN	-0.68	-0.000367	± 2.5	PASS
		VN	TN	0.68	0.000367	± 2.5	PASS
		VH	TN	0.86	0.000465	± 2.5	PASS
	MCH	VL	TN	1.58	0.000840	± 2.5	PASS
		VN	TN	-1.64	-0.000872	± 2.5	PASS
		VH	TN	4.47	0.002378	± 2.5	PASS
	HCH	VL	TN	4.18	0.002189	± 2.5	PASS
		VN	TN	-1.87	-0.000979	± 2.5	PASS
		VH	TN	3.33	0.001744	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.13	0.002232	± 2.5	PASS
		VN	-20	0.15	0.000081	± 2.5	PASS
		VN	-10	0.91	0.000492	± 2.5	PASS
		VN	0	-1.62	-0.000875	± 2.5	PASS
		VN	10	-0.62	-0.000335	± 2.5	PASS
		VN	20	1.66	0.000897	± 2.5	PASS
		VN	30	4.8	0.002594	± 2.5	PASS
		VN	40	2.76	0.001491	± 2.5	PASS
		VN	50	4.43	0.002394	± 2.5	PASS
	MCH	VN	-30	1.97	0.001048	± 2.5	PASS

		VN	-20	4.78	0.002543	± 2.5	PASS
		VN	-10	4.92	0.002617	± 2.5	PASS
		VN	0	-0.19	-0.000101	± 2.5	PASS
		VN	10	1.12	0.000596	± 2.5	PASS
		VN	20	0.97	0.000516	± 2.5	PASS
		VN	30	-0.45	-0.000239	± 2.5	PASS
		VN	40	3.97	0.002112	± 2.5	PASS
		VN	50	1.18	0.000628	± 2.5	PASS
	HCH	VN	-30	-1.79	-0.000938	± 2.5	PASS
		VN	-20	2.97	0.001556	± 2.5	PASS
		VN	-10	-0.7	-0.000367	± 2.5	PASS
		VN	0	3.91	0.002048	± 2.5	PASS
		VN	10	4.2	0.002200	± 2.5	PASS
		VN	20	-0.44	-0.000230	± 2.5	PASS
		VN	30	-1.85	-0.000969	± 2.5	PASS
		VN	40	4.55	0.002383	± 2.5	PASS
		VN	50	0.14	0.000073	± 2.5	PASS
16QAM	LCH	VN	-30	4.3	0.002323	± 2.5	PASS
		VN	-20	4.05	0.002188	± 2.5	PASS
		VN	-10	4.06	0.002194	± 2.5	PASS
		VN	0	4.91	0.002653	± 2.5	PASS
		VN	10	-0.47	-0.000254	± 2.5	PASS
		VN	20	1.53	0.000827	± 2.5	PASS
		VN	30	0.87	0.000470	± 2.5	PASS
		VN	40	0.1	0.000054	± 2.5	PASS
		VN	50	0.49	0.000265	± 2.5	PASS
	MCH	VN	-30	2.31	0.001229	± 2.5	PASS
		VN	-20	-1.01	-0.000537	± 2.5	PASS
		VN	-10	-1.35	-0.000718	± 2.5	PASS
		VN	0	1.55	0.000824	± 2.5	PASS
		VN	10	3.24	0.001723	± 2.5	PASS
		VN	20	2.35	0.001250	± 2.5	PASS
		VN	30	1.04	0.000553	± 2.5	PASS
		VN	40	4.57	0.002431	± 2.5	PASS
		VN	50	4.67	0.002484	± 2.5	PASS
	HCH	VN	-30	1.91	0.001000	± 2.5	PASS
		VN	-20	-1.42	-0.000744	± 2.5	PASS
		VN	-10	-1.18	-0.000618	± 2.5	PASS
		VN	0	-1.96	-0.001027	± 2.5	PASS
		VN	10	1.39	0.000728	± 2.5	PASS
		VN	20	3.64	0.001906	± 2.5	PASS

		VN	30	-0.09	-0.000047	± 2.5	PASS
		VN	40	3.58	0.001875	± 2.5	PASS
		VN	50	-0.27	-0.000141	± 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	-1.66	-0.000897	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	4.53	0.002447	± 2.5	PASS
	MCH	VL	TN	0.88	0.000468	± 2.5	PASS
		VN	TN	0.31	0.000165	± 2.5	PASS
		VH	TN	2.43	0.001293	± 2.5	PASS
	HCH	VL	TN	1.45	0.000760	± 2.5	PASS
		VN	TN	2.12	0.001111	± 2.5	PASS
		VH	TN	0.86	0.000451	± 2.5	PASS
16QAM	LCH	VL	TN	2.31	0.001248	± 2.5	PASS
		VN	TN	2.24	0.001210	± 2.5	PASS
		VH	TN	3.71	0.002004	± 2.5	PASS
	MCH	VL	TN	1.29	0.000686	± 2.5	PASS
		VN	TN	4.92	0.002617	± 2.5	PASS
		VH	TN	0.79	0.000420	± 2.5	PASS
	HCH	VL	TN	4.54	0.002379	± 2.5	PASS
		VN	TN	4.84	0.002536	± 2.5	PASS
		VH	TN	-0.15	-0.000079	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.24	0.000670	± 2.5	PASS
		VN	-20	2.53	0.001366	± 2.5	PASS
		VN	-10	3.23	0.001745	± 2.5	PASS
		VN	0	2.48	0.001339	± 2.5	PASS
		VN	10	4.71	0.002544	± 2.5	PASS
		VN	20	1.66	0.000897	± 2.5	PASS
		VN	30	0.15	0.000081	± 2.5	PASS
		VN	40	2.84	0.001534	± 2.5	PASS
		VN	50	-0.18	-0.000097	± 2.5	PASS
	MCH	VN	-30	4.04	0.002149	± 2.5	PASS
		VN	-20	2.36	0.001255	± 2.5	PASS

		VN	-10	0.65	0.000346	± 2.5	PASS	
		VN	0	0.3	0.000160	± 2.5	PASS	
		VN	10	1.45	0.000771	± 2.5	PASS	
		VN	20	3.03	0.001612	± 2.5	PASS	
		VN	30	0.13	0.000069	± 2.5	PASS	
		VN	40	2.29	0.001218	± 2.5	PASS	
		VN	50	4.43	0.002356	± 2.5	PASS	
	HCH	VN	-30	0.01	0.000005	± 2.5	PASS	
		VN	-20	2.85	0.001493	± 2.5	PASS	
		VN	-10	0.34	0.000178	± 2.5	PASS	
		VN	0	-1.27	-0.000665	± 2.5	PASS	
		VN	10	-0.8	-0.000419	± 2.5	PASS	
		VN	20	0.26	0.000136	± 2.5	PASS	
		VN	30	2.18	0.001142	± 2.5	PASS	
		VN	40	2.37	0.001242	± 2.5	PASS	
		VN	50	-1.71	-0.000896	± 2.5	PASS	
	16QAM	LCH	VN	-30	3.75	0.002025	± 2.5	PASS
			VN	-20	4.95	0.002674	± 2.5	PASS
VN			-10	-1.05	-0.000567	± 2.5	PASS	
VN			0	3.77	0.002036	± 2.5	PASS	
VN			10	0.72	0.000389	± 2.5	PASS	
VN			20	4.47	0.002414	± 2.5	PASS	
VN			30	-0.64	-0.000346	± 2.5	PASS	
VN			40	2.14	0.001156	± 2.5	PASS	
VN			50	0.82	0.000443	± 2.5	PASS	
MCH		VN	-30	-1.13	-0.000601	± 2.5	PASS	
		VN	-20	1.6	0.000851	± 2.5	PASS	
		VN	-10	2.16	0.001149	± 2.5	PASS	
		VN	0	4.3	0.002287	± 2.5	PASS	
		VN	10	2.59	0.001378	± 2.5	PASS	
		VN	20	0.74	0.000394	± 2.5	PASS	
		VN	30	-2	-0.001064	± 2.5	PASS	
		VN	40	-1.33	-0.000707	± 2.5	PASS	
		VN	50	2.61	0.001388	± 2.5	PASS	
HCH		VN	-30	3	0.001572	± 2.5	PASS	
		VN	-20	0.75	0.000393	± 2.5	PASS	
		VN	-10	1.19	0.000624	± 2.5	PASS	
		VN	0	0.33	0.000173	± 2.5	PASS	
		VN	10	2.43	0.001273	± 2.5	PASS	
		VN	20	-1.31	-0.000686	± 2.5	PASS	
		VN	30	1.49	0.000781	± 2.5	PASS	

		VN	40	1.44	0.000755	± 2.5	PASS
		VN	50	2.45	0.001284	± 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	1.81	0.000977	± 2.5	PASS
		VN	TN	3.06	0.001652	± 2.5	PASS
		VH	TN	-1.88	-0.001015	± 2.5	PASS
	MCH	VL	TN	1.12	0.000596	± 2.5	PASS
		VN	TN	-1.48	-0.000787	± 2.5	PASS
		VH	TN	-1.25	-0.000665	± 2.5	PASS
	HCH	VL	TN	-1.88	-0.000986	± 2.5	PASS
		VN	TN	3.58	0.001877	± 2.5	PASS
		VH	TN	4.16	0.002181	± 2.5	PASS
16QAM	LCH	VL	TN	3.01	0.001625	± 2.5	PASS
		VN	TN	-0.87	-0.000470	± 2.5	PASS
		VH	TN	-0.4	-0.000216	± 2.5	PASS
	MCH	VL	TN	0.92	0.000489	± 2.5	PASS
		VN	TN	0.49	0.000261	± 2.5	PASS
		VH	TN	2.61	0.001388	± 2.5	PASS
	HCH	VL	TN	-0.48	-0.000252	± 2.5	PASS
		VN	TN	-0.68	-0.000356	± 2.5	PASS
		VH	TN	-0.75	-0.000393	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.89	0.001560	± 2.5	PASS
		VN	-20	4.84	0.002613	± 2.5	PASS
		VN	-10	1.02	0.000551	± 2.5	PASS
		VN	0	-0.03	-0.000016	± 2.5	PASS
		VN	10	3.06	0.001652	± 2.5	PASS
		VN	20	-0.29	-0.000157	± 2.5	PASS
		VN	30	2.95	0.001592	± 2.5	PASS
		VN	40	-0.35	-0.000189	± 2.5	PASS
		VN	50	-1.99	-0.001074	± 2.5	PASS
	MCH	VN	-30	-0.59	-0.000314	± 2.5	PASS
		VN	-20	-0.85	-0.000452	± 2.5	PASS
		VN	-10	-0.22	-0.000117	± 2.5	PASS

		VN	0	-0.94	-0.000500	± 2.5	PASS
		VN	10	3.37	0.001793	± 2.5	PASS
		VN	20	4.76	0.002532	± 2.5	PASS
		VN	30	3.02	0.001606	± 2.5	PASS
		VN	40	-0.69	-0.000367	± 2.5	PASS
		VN	50	3.04	0.001617	± 2.5	PASS
	HCH	VN	-30	-0.25	-0.000131	± 2.5	PASS
		VN	-20	2.9	0.001520	± 2.5	PASS
		VN	-10	2.39	0.001253	± 2.5	PASS
		VN	0	3.31	0.001735	± 2.5	PASS
		VN	10	3.26	0.001709	± 2.5	PASS
		VN	20	1.93	0.001012	± 2.5	PASS
		VN	30	2.55	0.001337	± 2.5	PASS
		VN	40	3.87	0.002029	± 2.5	PASS
		VN	50	-0.33	-0.000173	± 2.5	PASS
16QAM	LCH	VN	-30	3.04	0.001641	± 2.5	PASS
		VN	-20	-1.69	-0.000912	± 2.5	PASS
		VN	-10	4.26	0.002300	± 2.5	PASS
		VN	0	0.06	0.000032	± 2.5	PASS
		VN	10	1.96	0.001058	± 2.5	PASS
		VN	20	4.84	0.002613	± 2.5	PASS
		VN	30	4.63	0.002499	± 2.5	PASS
		VN	40	3.08	0.001663	± 2.5	PASS
		VN	50	4.73	0.002553	± 2.5	PASS
	MCH	VN	-30	0.9	0.000479	± 2.5	PASS
		VN	-20	3.67	0.001952	± 2.5	PASS
		VN	-10	-0.71	-0.000378	± 2.5	PASS
		VN	0	2.24	0.001191	± 2.5	PASS
		VN	10	3.35	0.001782	± 2.5	PASS
		VN	20	-0.74	-0.000394	± 2.5	PASS
		VN	30	0.03	0.000016	± 2.5	PASS
		VN	40	-0.11	-0.000059	± 2.5	PASS
		VN	50	0.57	0.000303	± 2.5	PASS
	HCH	VN	-30	2.45	0.001284	± 2.5	PASS
		VN	-20	-1.59	-0.000834	± 2.5	PASS
		VN	-10	2.37	0.001242	± 2.5	PASS
		VN	0	0.77	0.000404	± 2.5	PASS
		VN	10	4.25	0.002228	± 2.5	PASS
		VN	20	3.02	0.001583	± 2.5	PASS
		VN	30	-1.21	-0.000634	± 2.5	PASS
		VN	40	-1.52	-0.000797	± 2.5	PASS

		VN	50	4.1	0.002149	± 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	1.64	0.000884	± 2.5	PASS
		VN	TN	4.39	0.002367	± 2.5	PASS
		VH	TN	2.55	0.001375	± 2.5	PASS
	MCH	VL	TN	2.17	0.001154	± 2.5	PASS
		VN	TN	-0.32	-0.000170	± 2.5	PASS
		VH	TN	-1.86	-0.000989	± 2.5	PASS
	HCH	VL	TN	0.81	0.000425	± 2.5	PASS
		VN	TN	1.97	0.001034	± 2.5	PASS
		VH	TN	2.12	0.001113	± 2.5	PASS
16QAM	LCH	VL	TN	-0.51	-0.000275	± 2.5	PASS
		VN	TN	3.53	0.001903	± 2.5	PASS
		VH	TN	-1.63	-0.000879	± 2.5	PASS
	MCH	VL	TN	-1.75	-0.000931	± 2.5	PASS
		VN	TN	0.6	0.000319	± 2.5	PASS
		VH	TN	-1.89	-0.001005	± 2.5	PASS
	HCH	VL	TN	4.76	0.002499	± 2.5	PASS
		VN	TN	1.39	0.000730	± 2.5	PASS
		VH	TN	-0.57	-0.000299	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.39	-0.000749	± 2.5	PASS
		VN	-20	2.69	0.001450	± 2.5	PASS
		VN	-10	-1.75	-0.000943	± 2.5	PASS
		VN	0	2.72	0.001466	± 2.5	PASS
		VN	10	1.8	0.000970	± 2.5	PASS
		VN	20	-0.83	-0.000447	± 2.5	PASS
		VN	30	1.11	0.000598	± 2.5	PASS
		VN	40	1.92	0.001035	± 2.5	PASS
		VN	50	-1.27	-0.000685	± 2.5	PASS
	MCH	VN	-30	0.17	0.000090	± 2.5	PASS
		VN	-20	4.46	0.002372	± 2.5	PASS
		VN	-10	-1.98	-0.001053	± 2.5	PASS
		VN	0	-1.8	-0.000957	± 2.5	PASS

		VN	10	3.25	0.001729	± 2.5	PASS
		VN	20	1.84	0.000979	± 2.5	PASS
		VN	30	3.5	0.001862	± 2.5	PASS
		VN	40	4.18	0.002223	± 2.5	PASS
		VN	50	2.02	0.001074	± 2.5	PASS
	HCH	VN	-30	-1.48	-0.000777	± 2.5	PASS
		VN	-20	4.96	0.002604	± 2.5	PASS
		VN	-10	-0.59	-0.000310	± 2.5	PASS
		VN	0	0.09	0.000047	± 2.5	PASS
		VN	10	3.56	0.001869	± 2.5	PASS
		VN	20	-1.24	-0.000651	± 2.5	PASS
		VN	30	4.94	0.002593	± 2.5	PASS
		VN	40	0.81	0.000425	± 2.5	PASS
		VN	50	-0.76	-0.000399	± 2.5	PASS
16QAM	LCH	VN	-30	0.31	0.000167	± 2.5	PASS
		VN	-20	-0.63	-0.000340	± 2.5	PASS
		VN	-10	-0.01	-0.000005	± 2.5	PASS
		VN	0	3.09	0.001666	± 2.5	PASS
		VN	10	3.21	0.001730	± 2.5	PASS
		VN	20	3.52	0.001898	± 2.5	PASS
		VN	30	0.62	0.000334	± 2.5	PASS
		VN	40	2.56	0.001380	± 2.5	PASS
		VN	50	3.8	0.002049	± 2.5	PASS
	MCH	VN	-30	4.38	0.002330	± 2.5	PASS
		VN	-20	4.85	0.002580	± 2.5	PASS
		VN	-10	-0.87	-0.000463	± 2.5	PASS
		VN	0	1.31	0.000697	± 2.5	PASS
		VN	10	4.35	0.002314	± 2.5	PASS
		VN	20	4.35	0.002314	± 2.5	PASS
		VN	30	1.56	0.000830	± 2.5	PASS
		VN	40	3.21	0.001707	± 2.5	PASS
		VN	50	4.85	0.002580	± 2.5	PASS
	HCH	VN	-30	2.56	0.001344	± 2.5	PASS
		VN	-20	3.23	0.001696	± 2.5	PASS
		VN	-10	4.17	0.002189	± 2.5	PASS
		VN	0	-1.83	-0.000961	± 2.5	PASS
		VN	10	-0.79	-0.000415	± 2.5	PASS
		VN	20	0.55	0.000289	± 2.5	PASS
		VN	30	-1.47	-0.000772	± 2.5	PASS
		VN	40	0.39	0.000205	± 2.5	PASS
		VN	50	3.62	0.001900	± 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	3.64	0.001960	± 2.5	PASS
		VN	TN	2.71	0.001459	± 2.5	PASS
		VH	TN	-1.87	-0.001007	± 2.5	PASS
	MCH	VL	TN	3.04	0.001617	± 2.5	PASS
		VN	TN	-1	-0.000532	± 2.5	PASS
		VH	TN	3.96	0.002106	± 2.5	PASS
	HCH	VL	TN	2.53	0.001330	± 2.5	PASS
		VN	TN	4.23	0.002223	± 2.5	PASS
		VH	TN	0.01	0.000005	± 2.5	PASS
16QAM	LCH	VL	TN	-0.32	-0.000172	± 2.5	PASS
		VN	TN	-1.1	-0.000592	± 2.5	PASS
		VH	TN	2.59	0.001394	± 2.5	PASS
	MCH	VL	TN	0.06	0.000032	± 2.5	PASS
		VN	TN	0.51	0.000271	± 2.5	PASS
		VH	TN	-0.21	-0.000112	± 2.5	PASS
	HCH	VL	TN	-0.38	-0.000200	± 2.5	PASS
		VN	TN	3.2	0.001682	± 2.5	PASS
		VH	TN	-0.49	-0.000258	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.87	0.001007	± 2.5	PASS
		VN	-20	-0.96	-0.000517	± 2.5	PASS
		VN	-10	3.98	0.002143	± 2.5	PASS
		VN	0	0.59	0.000318	± 2.5	PASS
		VN	10	3.43	0.001847	± 2.5	PASS
		VN	20	4.64	0.002498	± 2.5	PASS
		VN	30	1.31	0.000705	± 2.5	PASS
		VN	40	1.03	0.000555	± 2.5	PASS
		VN	50	0.31	0.000167	± 2.5	PASS
	MCH	VN	-30	-0.04	-0.000021	± 2.5	PASS
		VN	-20	-1.85	-0.000984	± 2.5	PASS
		VN	-10	1.7	0.000904	± 2.5	PASS
		VN	0	-0.46	-0.000245	± 2.5	PASS
		VN	10	2.86	0.001521	± 2.5	PASS

		VN	20	-1.1	-0.000585	± 2.5	PASS
		VN	30	-1.43	-0.000761	± 2.5	PASS
		VN	40	-1.8	-0.000957	± 2.5	PASS
		VN	50	0.14	0.000074	± 2.5	PASS
	HCH	VN	-30	0.1	0.000053	± 2.5	PASS
		VN	-20	-1.5	-0.000788	± 2.5	PASS
		VN	-10	3.56	0.001871	± 2.5	PASS
		VN	0	2.77	0.001456	± 2.5	PASS
		VN	10	-1.56	-0.000820	± 2.5	PASS
		VN	20	-0.43	-0.000226	± 2.5	PASS
		VN	30	3.25	0.001708	± 2.5	PASS
		VN	40	2.03	0.001067	± 2.5	PASS
		VN	50	-1.66	-0.000873	± 2.5	PASS
16QAM	LCH	VN	-30	3.81	0.002051	± 2.5	PASS
		VN	-20	0.53	0.000285	± 2.5	PASS
		VN	-10	0.06	0.000032	± 2.5	PASS
		VN	0	-1.26	-0.000678	± 2.5	PASS
		VN	10	1.76	0.000948	± 2.5	PASS
		VN	20	4.81	0.002590	± 2.5	PASS
		VN	30	0.93	0.000501	± 2.5	PASS
		VN	40	1.14	0.000614	± 2.5	PASS
		VN	50	-1.55	-0.000834	± 2.5	PASS
	MCH	VN	-30	3.4	0.001809	± 2.5	PASS
		VN	-20	-0.1	-0.000053	± 2.5	PASS
		VN	-10	1.68	0.000894	± 2.5	PASS
		VN	0	2.27	0.001207	± 2.5	PASS
		VN	10	-0.14	-0.000074	± 2.5	PASS
		VN	20	-0.59	-0.000314	± 2.5	PASS
		VN	30	3.87	0.002059	± 2.5	PASS
		VN	40	3.9	0.002074	± 2.5	PASS
		VN	50	1.36	0.000723	± 2.5	PASS
	HCH	VN	-30	3.5	0.001840	± 2.5	PASS
		VN	-20	-0.56	-0.000294	± 2.5	PASS
		VN	-10	-0.77	-0.000405	± 2.5	PASS
		VN	0	0.55	0.000289	± 2.5	PASS
		VN	10	-1.05	-0.000552	± 2.5	PASS
		VN	20	0.96	0.000505	± 2.5	PASS
		VN	30	4.84	0.002544	± 2.5	PASS
		VN	40	3.15	0.001656	± 2.5	PASS
		VN	50	0.92	0.000484	± 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	4.83	0.002597	± 2.5	PASS
		VN	TN	4.66	0.002505	± 2.5	PASS
		VH	TN	-1.61	-0.000866	± 2.5	PASS
	MCH	VL	TN	2.14	0.001138	± 2.5	PASS
		VN	TN	0.19	0.000101	± 2.5	PASS
		VH	TN	0.82	0.000436	± 2.5	PASS
	HCH	VL	TN	3.3	0.001737	± 2.5	PASS
		VN	TN	0.67	0.000353	± 2.5	PASS
		VH	TN	1.59	0.000837	± 2.5	PASS
16QAM	LCH	VL	TN	4.01	0.002156	± 2.5	PASS
		VN	TN	2.4	0.001290	± 2.5	PASS
		VH	TN	-0.81	-0.000435	± 2.5	PASS
	MCH	VL	TN	3.33	0.001771	± 2.5	PASS
		VN	TN	4.69	0.002495	± 2.5	PASS
		VH	TN	1.45	0.000771	± 2.5	PASS
	HCH	VL	TN	0.74	0.000389	± 2.5	PASS
		VN	TN	-0.78	-0.000411	± 2.5	PASS
		VH	TN	3.17	0.001668	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.17	0.000091	± 2.5	PASS
		VN	-20	1.1	0.000591	± 2.5	PASS
		VN	-10	2.87	0.001543	± 2.5	PASS
		VN	0	2.83	0.001522	± 2.5	PASS
		VN	10	3.89	0.002091	± 2.5	PASS
		VN	20	4.67	0.002511	± 2.5	PASS
		VN	30	1.37	0.000737	± 2.5	PASS
		VN	40	1.21	0.000651	± 2.5	PASS
		VN	50	2.13	0.001145	± 2.5	PASS
	MCH	VN	-30	-0.5	-0.000266	± 2.5	PASS
		VN	-20	-0.83	-0.000441	± 2.5	PASS
		VN	-10	-2	-0.001064	± 2.5	PASS
		VN	0	1.61	0.000856	± 2.5	PASS
		VN	10	2.32	0.001234	± 2.5	PASS
		VN	20	0.6	0.000319	± 2.5	PASS

		VN	30	4.74	0.002521	± 2.5	PASS
		VN	40	-1.65	-0.000878	± 2.5	PASS
		VN	50	4.85	0.002580	± 2.5	PASS
	HCH	VN	-30	-0.69	-0.000363	± 2.5	PASS
		VN	-20	0.62	0.000326	± 2.5	PASS
		VN	-10	-1.73	-0.000911	± 2.5	PASS
		VN	0	1.32	0.000695	± 2.5	PASS
		VN	10	-1.72	-0.000905	± 2.5	PASS
		VN	20	1.11	0.000584	± 2.5	PASS
		VN	30	0.47	0.000247	± 2.5	PASS
		VN	40	2.31	0.001216	± 2.5	PASS
		VN	50	4.43	0.002332	± 2.5	PASS
16QAM	LCH	VN	-30	0.45	0.000242	± 2.5	PASS
		VN	-20	2.25	0.001210	± 2.5	PASS
		VN	-10	4.2	0.002258	± 2.5	PASS
		VN	0	0.37	0.000199	± 2.5	PASS
		VN	10	4.5	0.002419	± 2.5	PASS
		VN	20	0.32	0.000172	± 2.5	PASS
		VN	30	-1.17	-0.000629	± 2.5	PASS
		VN	40	4.96	0.002667	± 2.5	PASS
		VN	50	2.22	0.001194	± 2.5	PASS
	MCH	VN	-30	-0.95	-0.000505	± 2.5	PASS
		VN	-20	2.56	0.001362	± 2.5	PASS
		VN	-10	-1.49	-0.000793	± 2.5	PASS
		VN	0	0.16	0.000085	± 2.5	PASS
		VN	10	1.2	0.000638	± 2.5	PASS
		VN	20	-1.09	-0.000580	± 2.5	PASS
		VN	30	3.8	0.002021	± 2.5	PASS
		VN	40	4	0.002128	± 2.5	PASS
		VN	50	3.69	0.001963	± 2.5	PASS
	HCH	VN	-30	0.94	0.000495	± 2.5	PASS
		VN	-20	3.62	0.001905	± 2.5	PASS
		VN	-10	2.59	0.001363	± 2.5	PASS
		VN	0	4.42	0.002326	± 2.5	PASS
		VN	10	3.92	0.002063	± 2.5	PASS
		VN	20	-0.11	-0.000058	± 2.5	PASS
		VN	30	-1.31	-0.000689	± 2.5	PASS
		VN	40	3.02	0.001589	± 2.5	PASS
		VN	50	0.44	0.000232	± 2.5	PASS