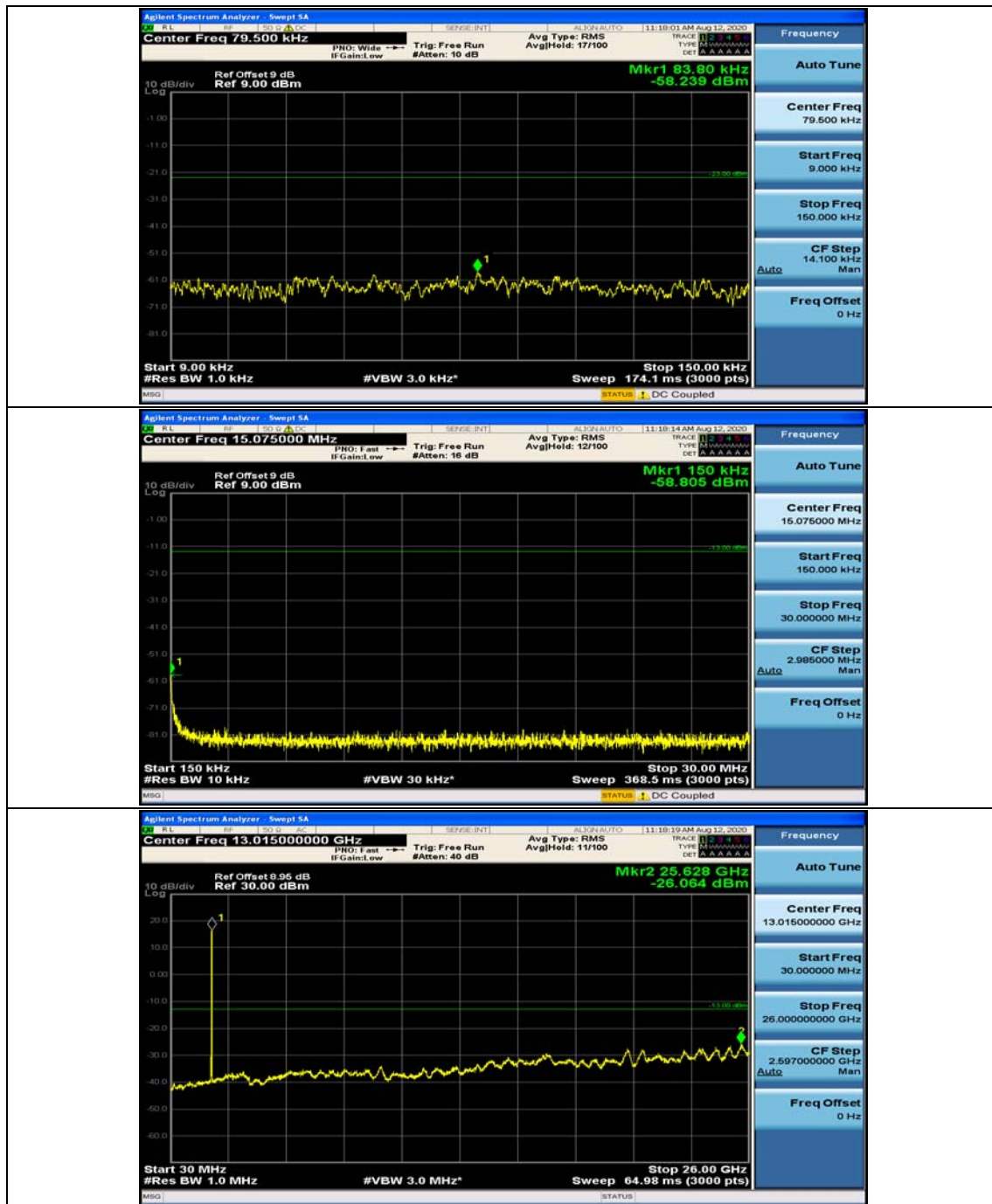
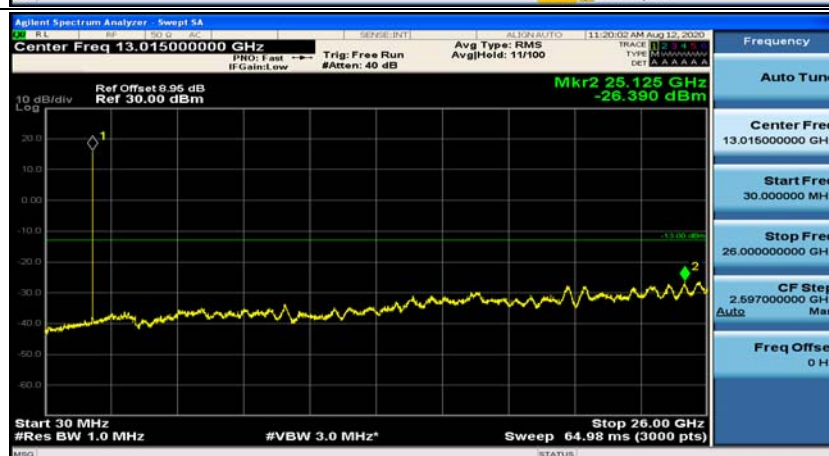
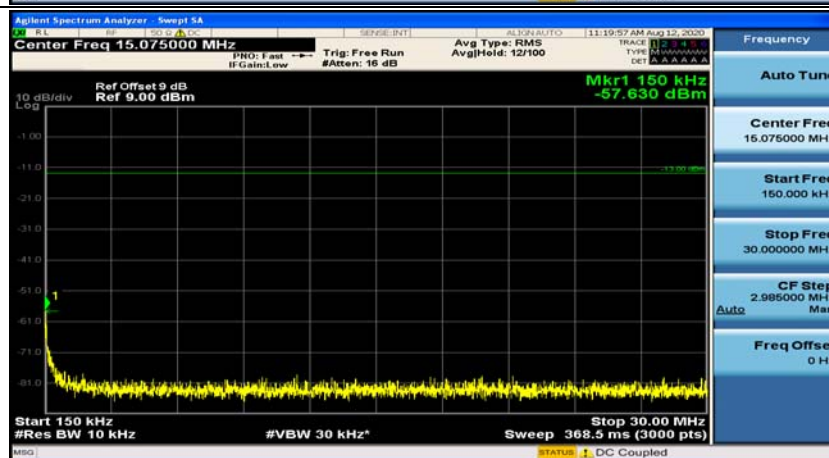
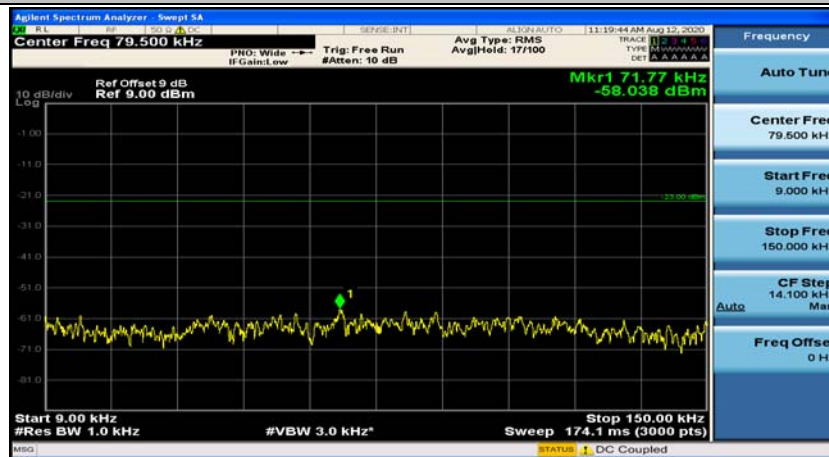
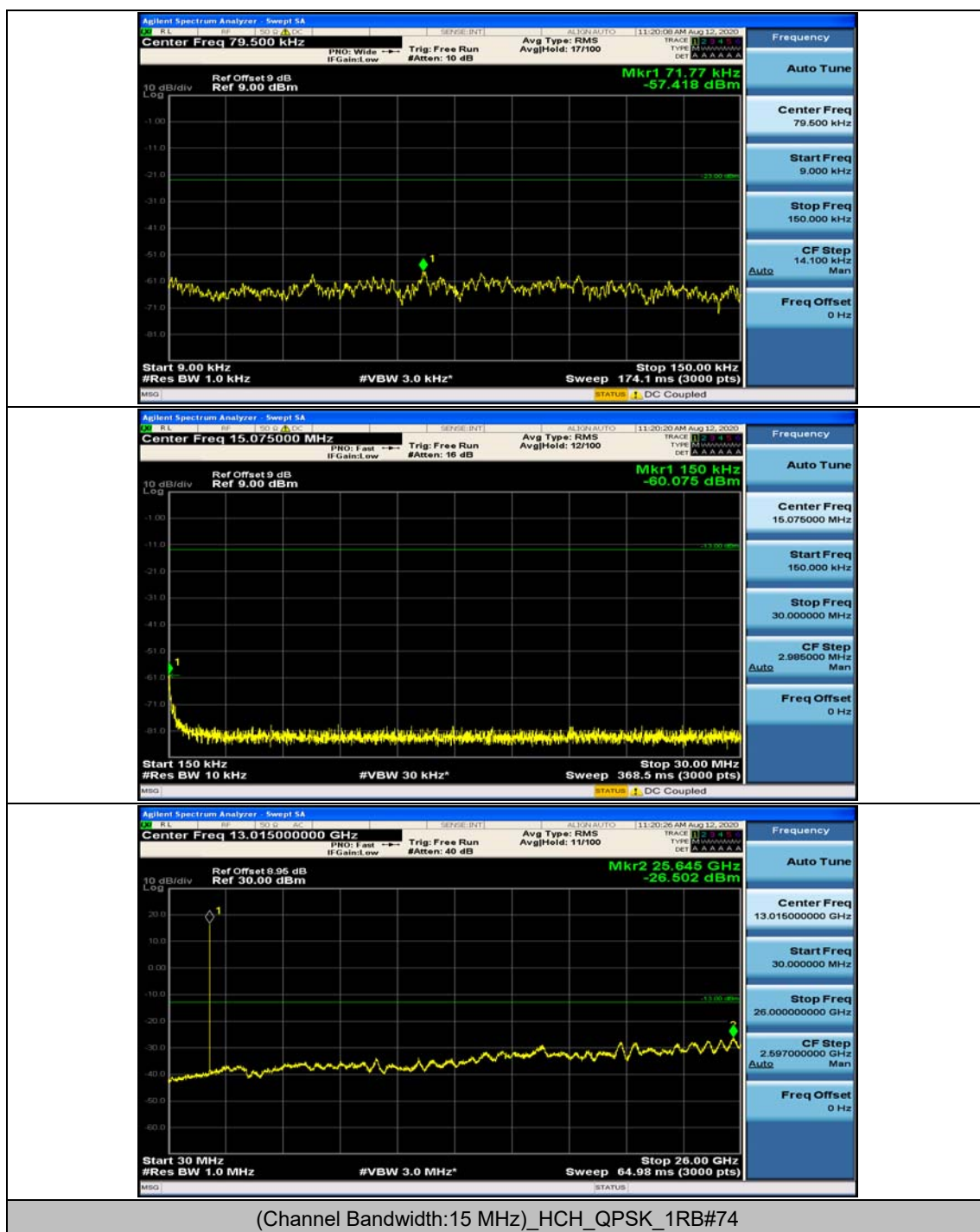


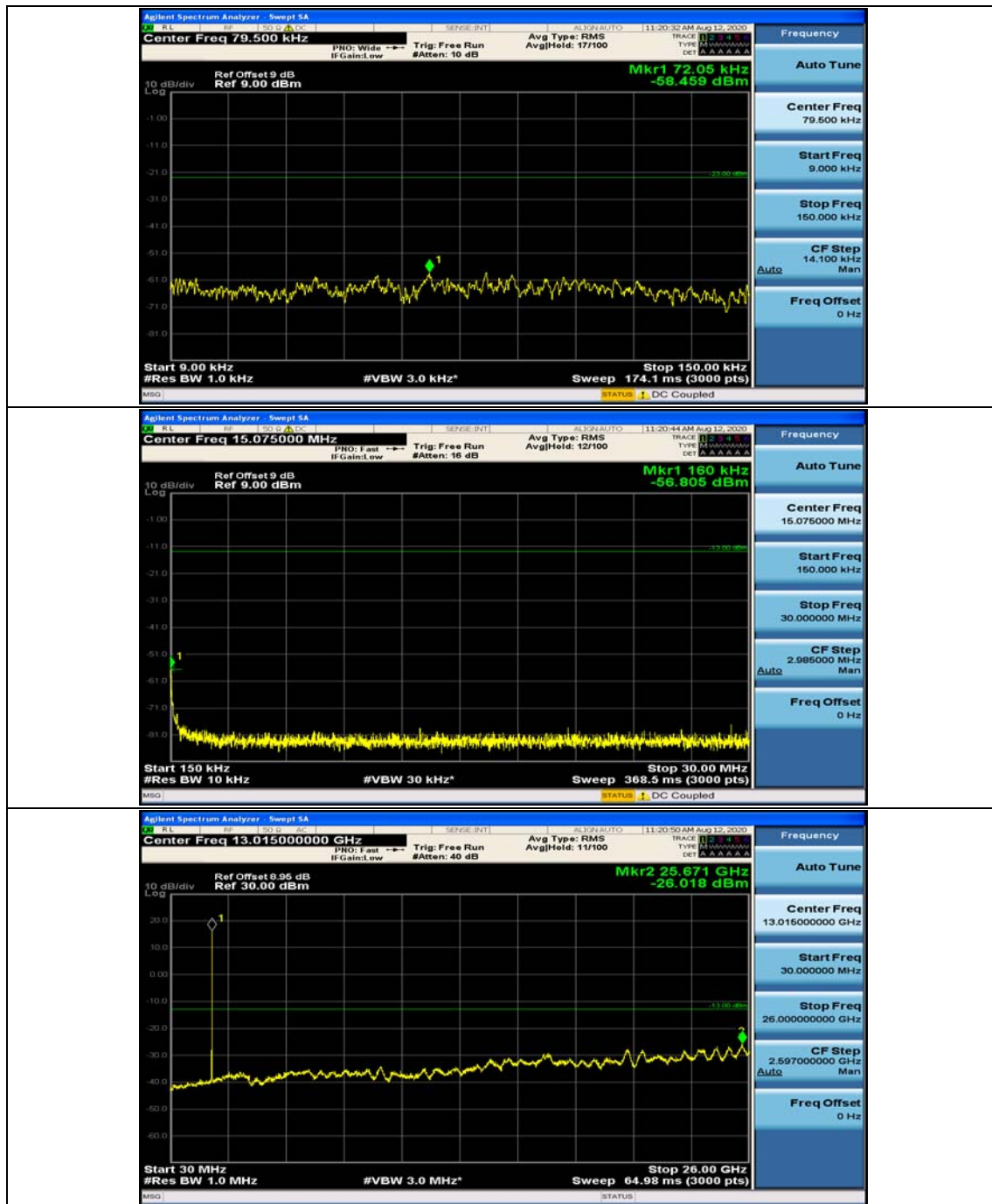


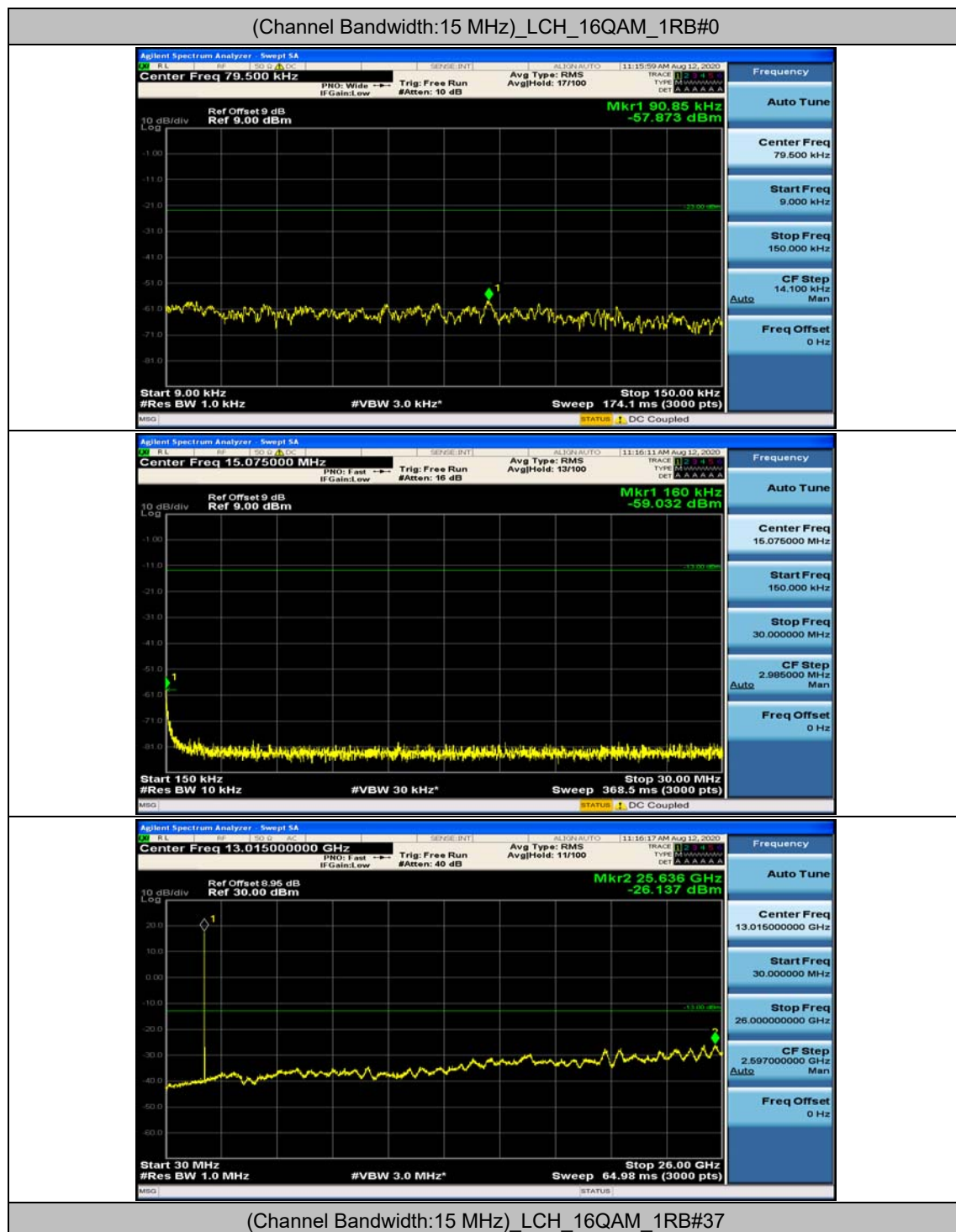
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

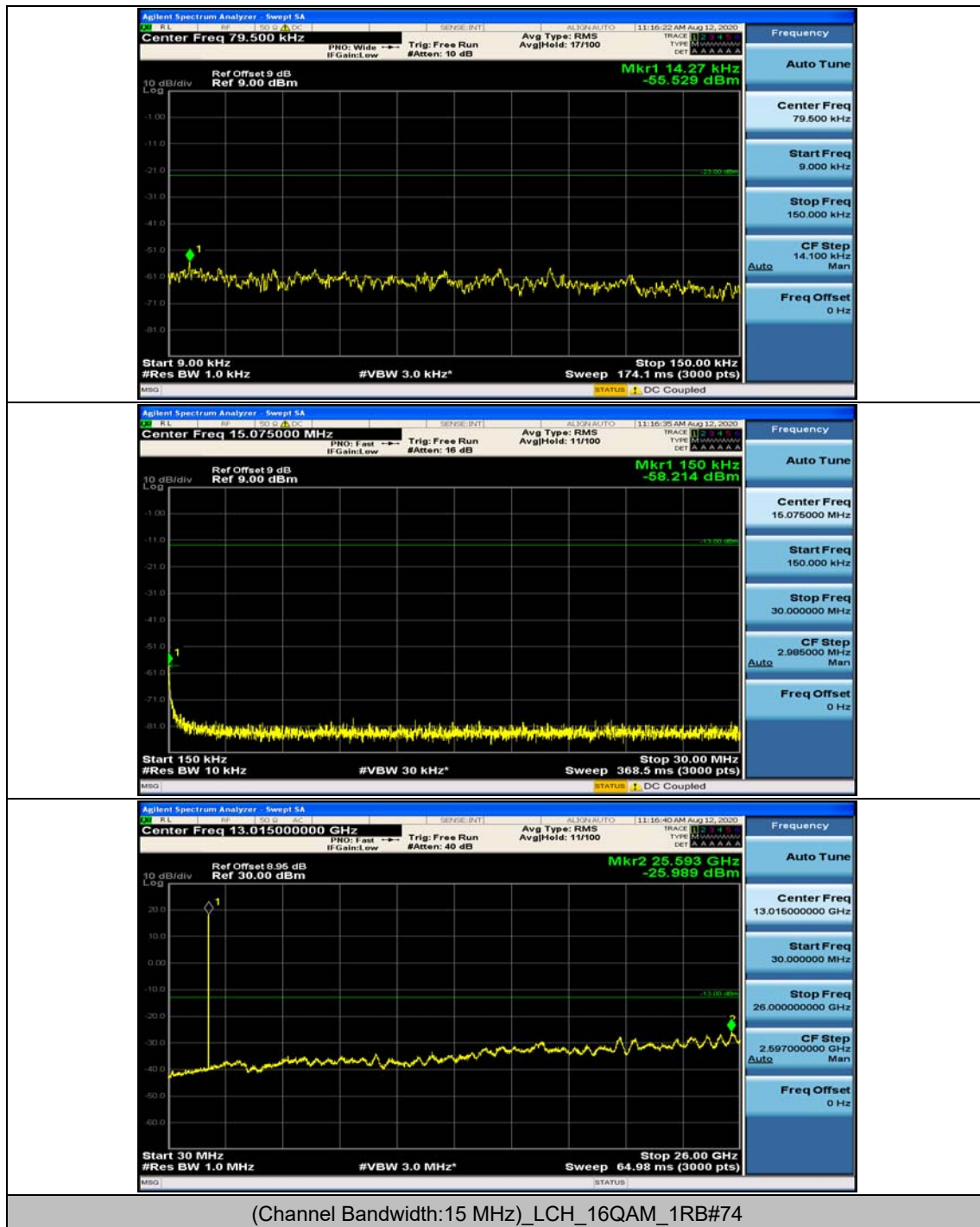


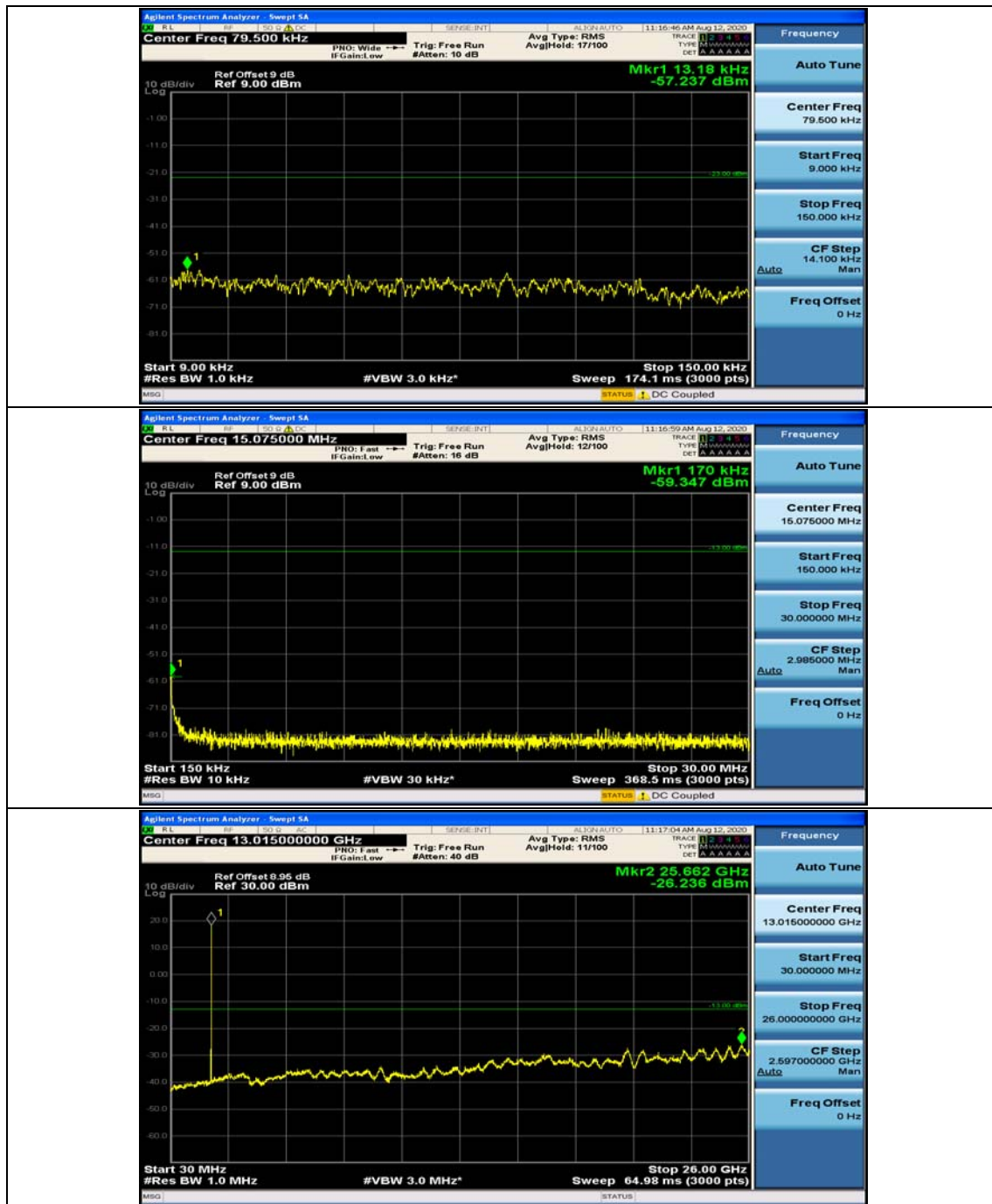
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



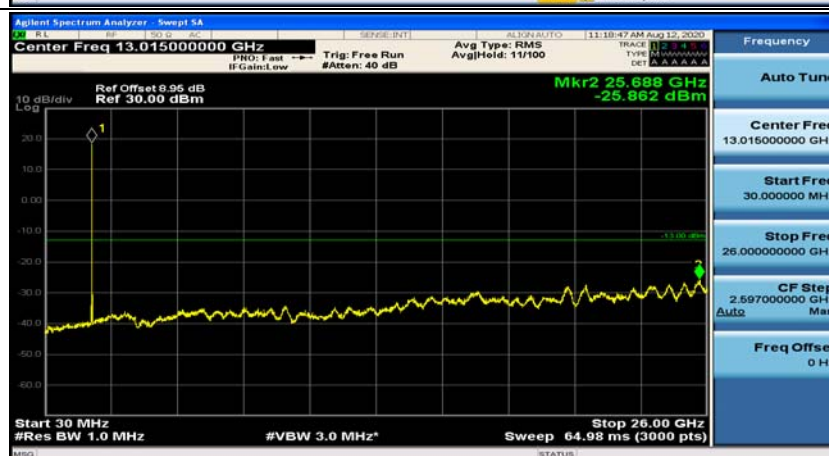
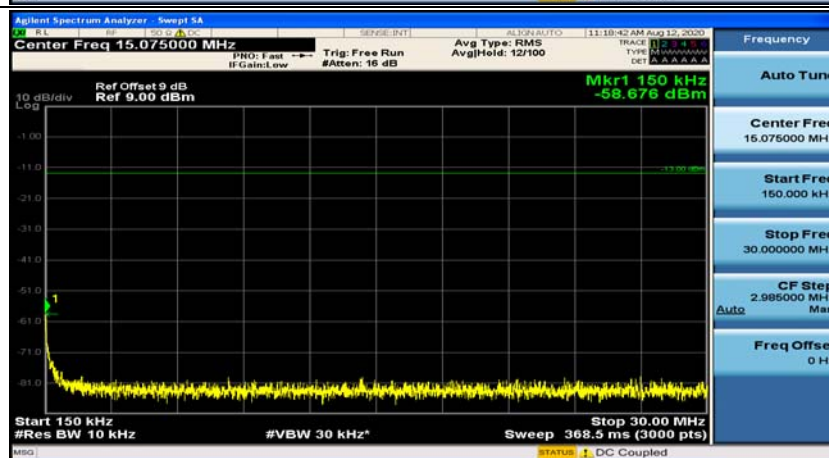
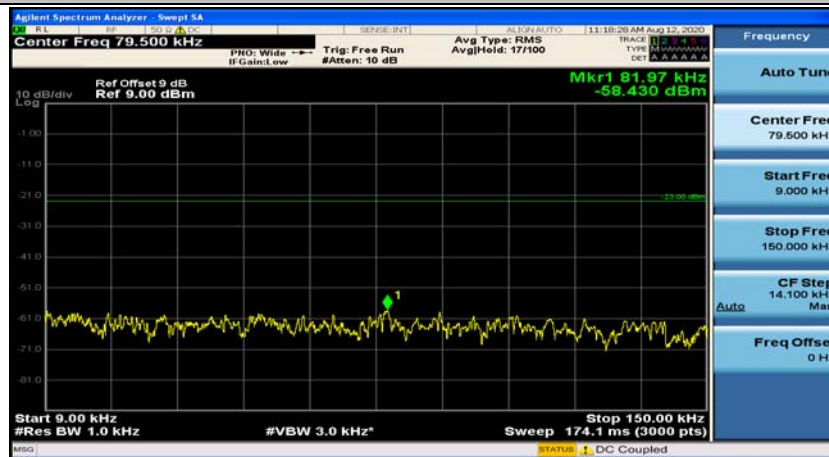




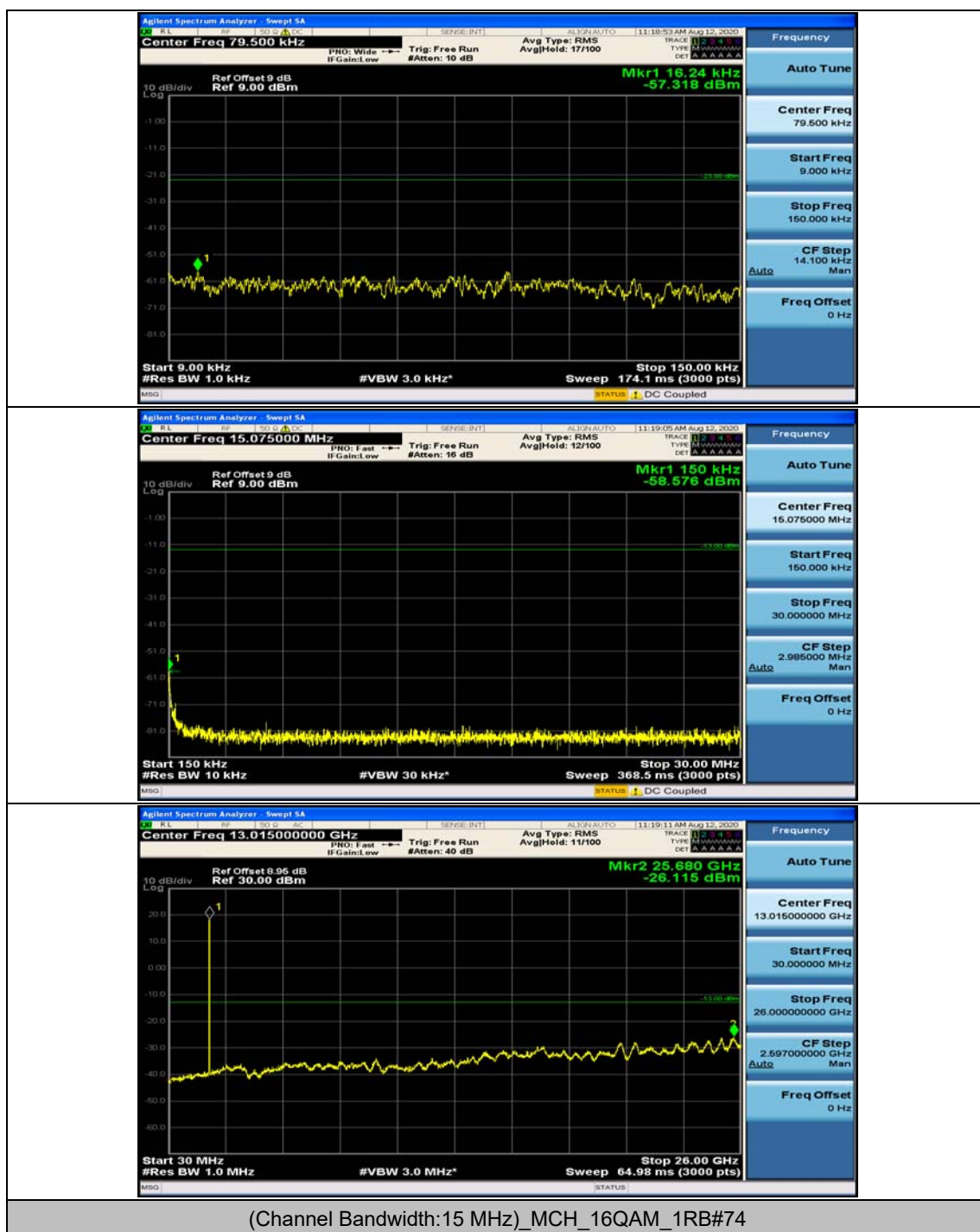


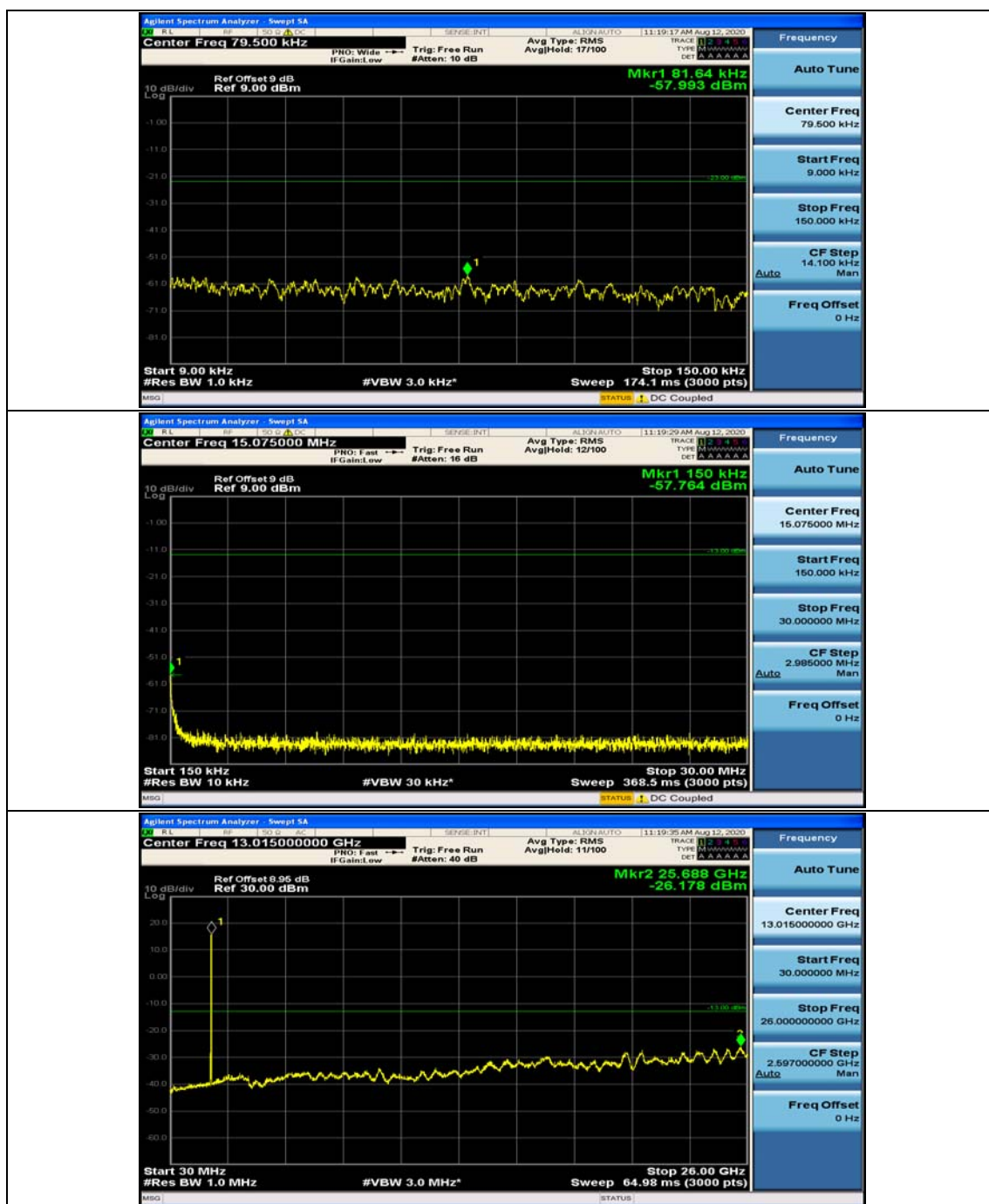


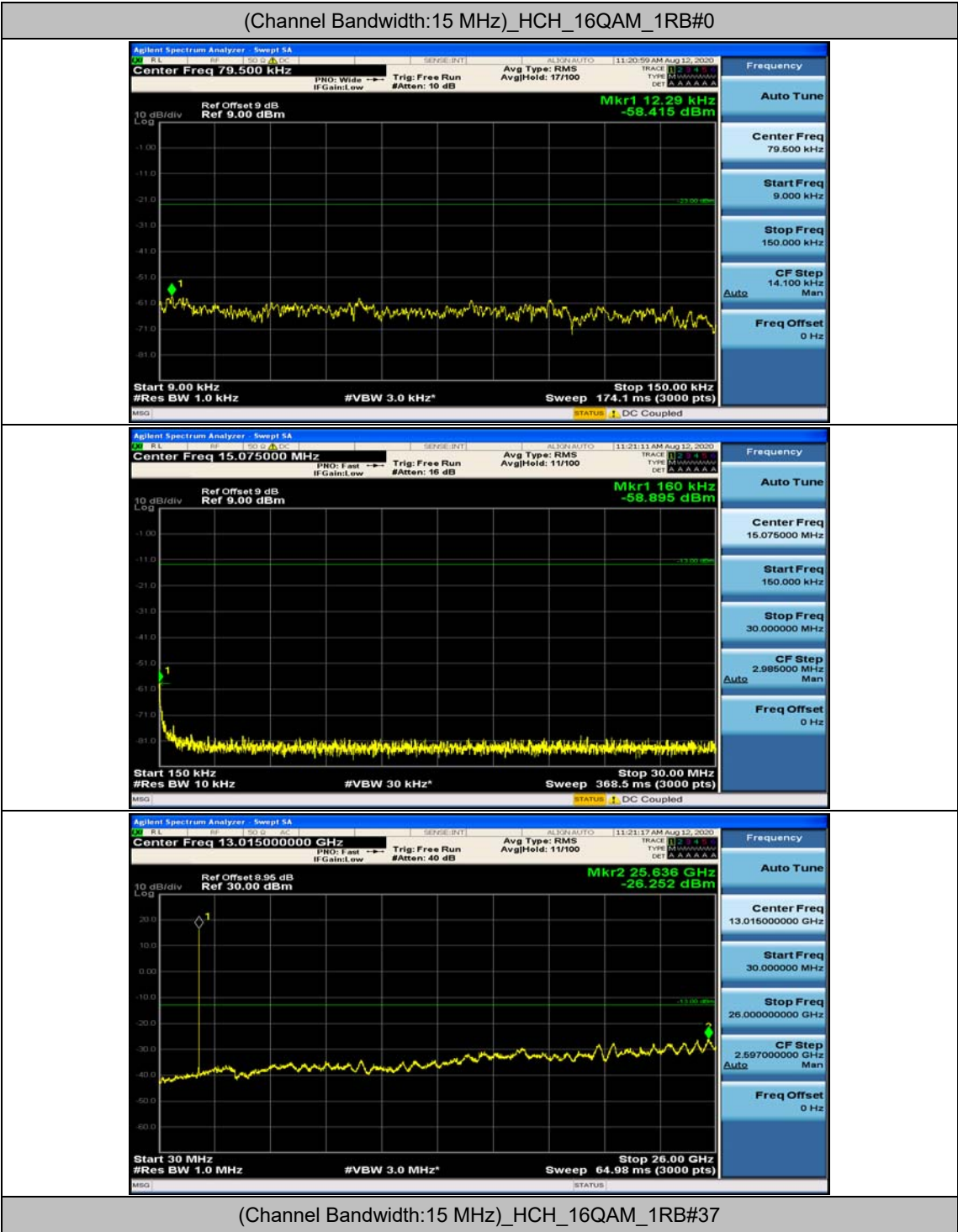
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

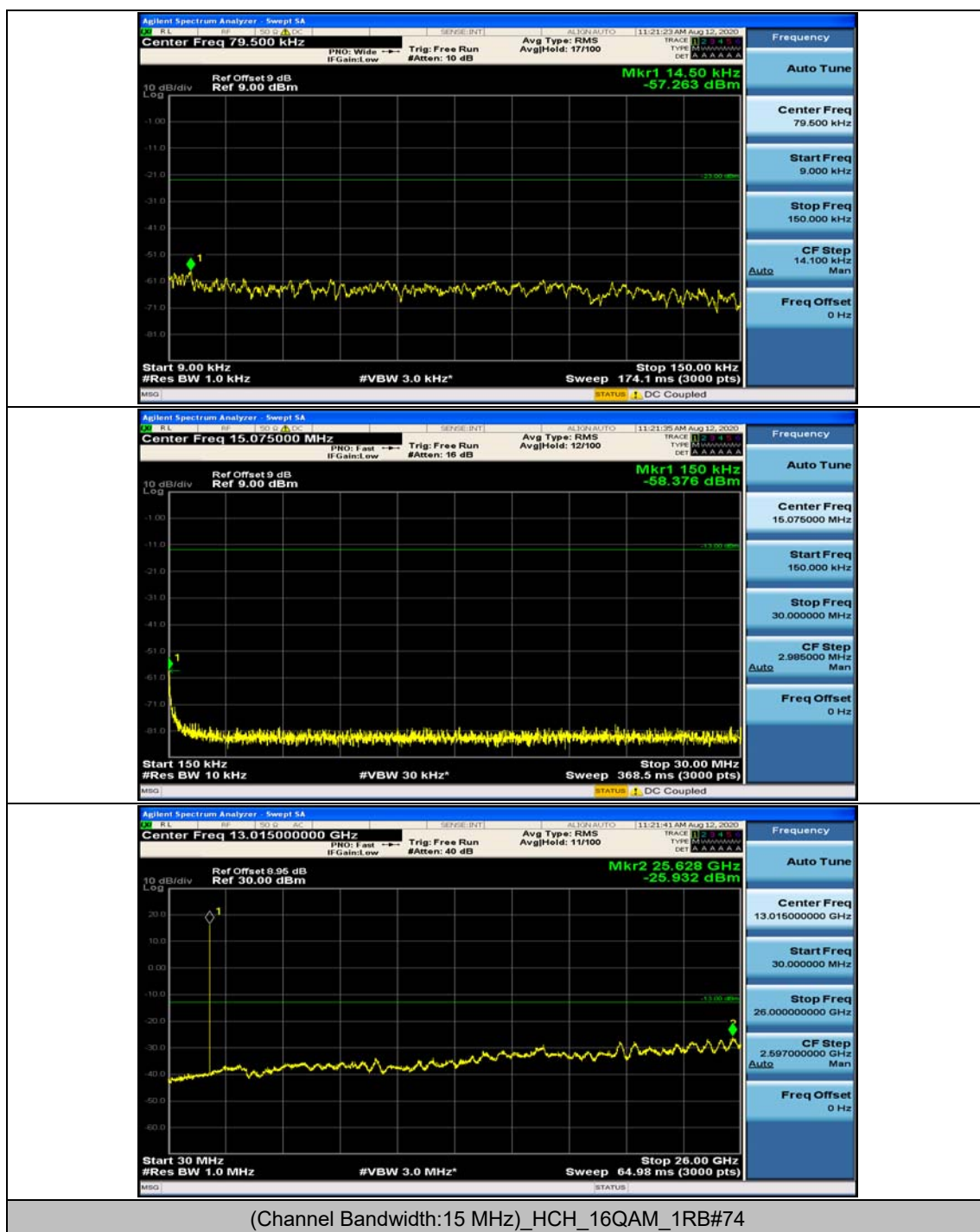


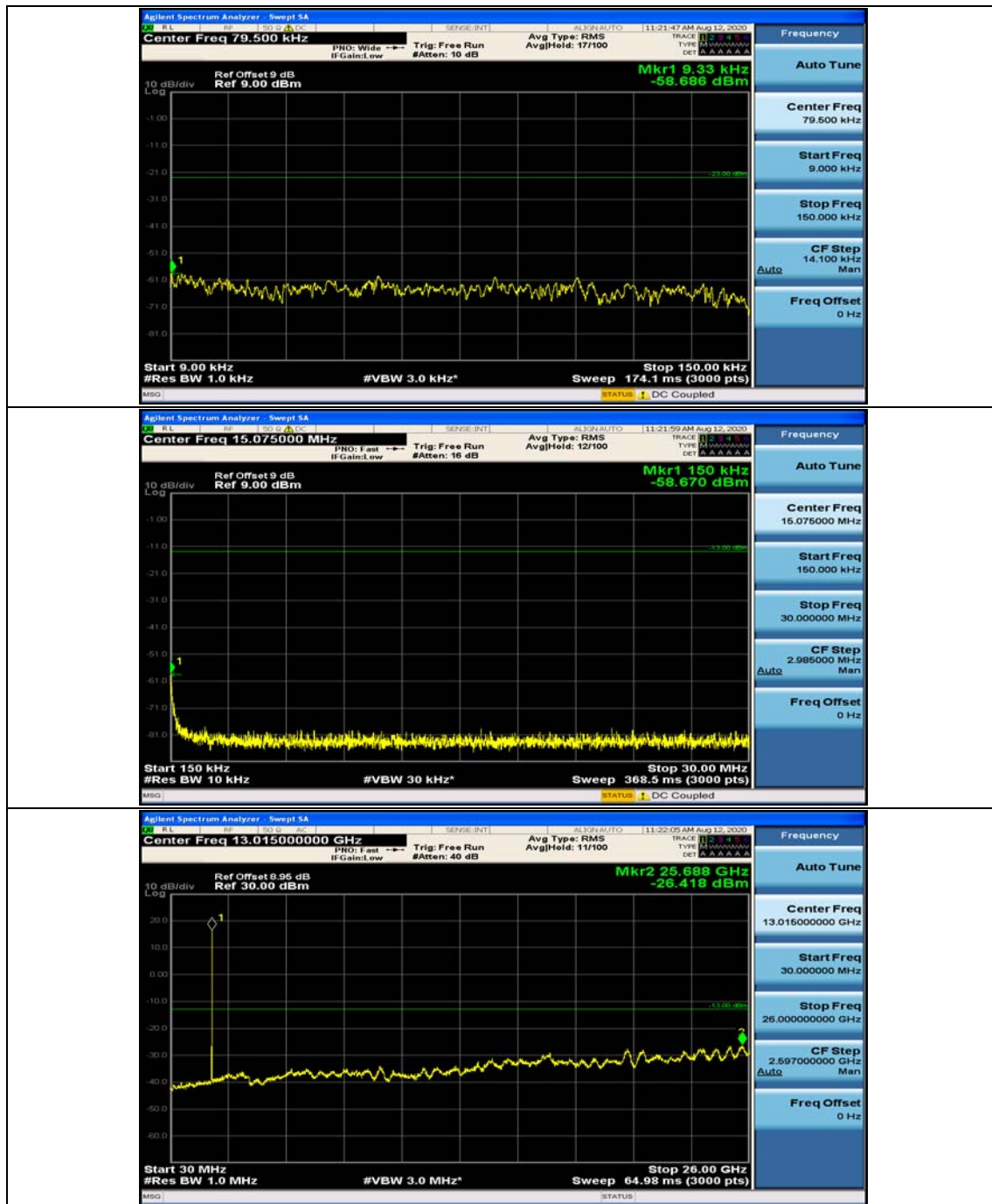
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



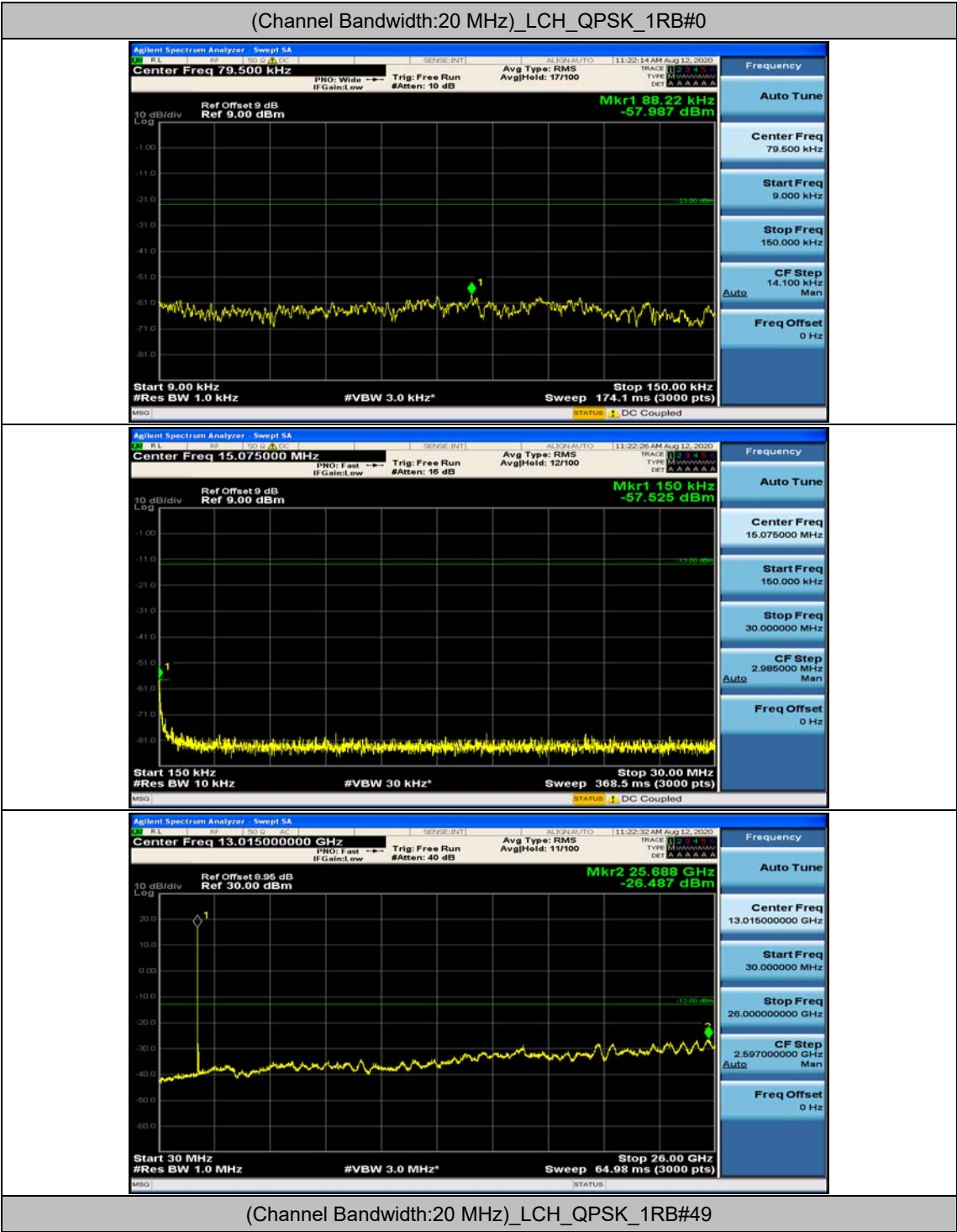


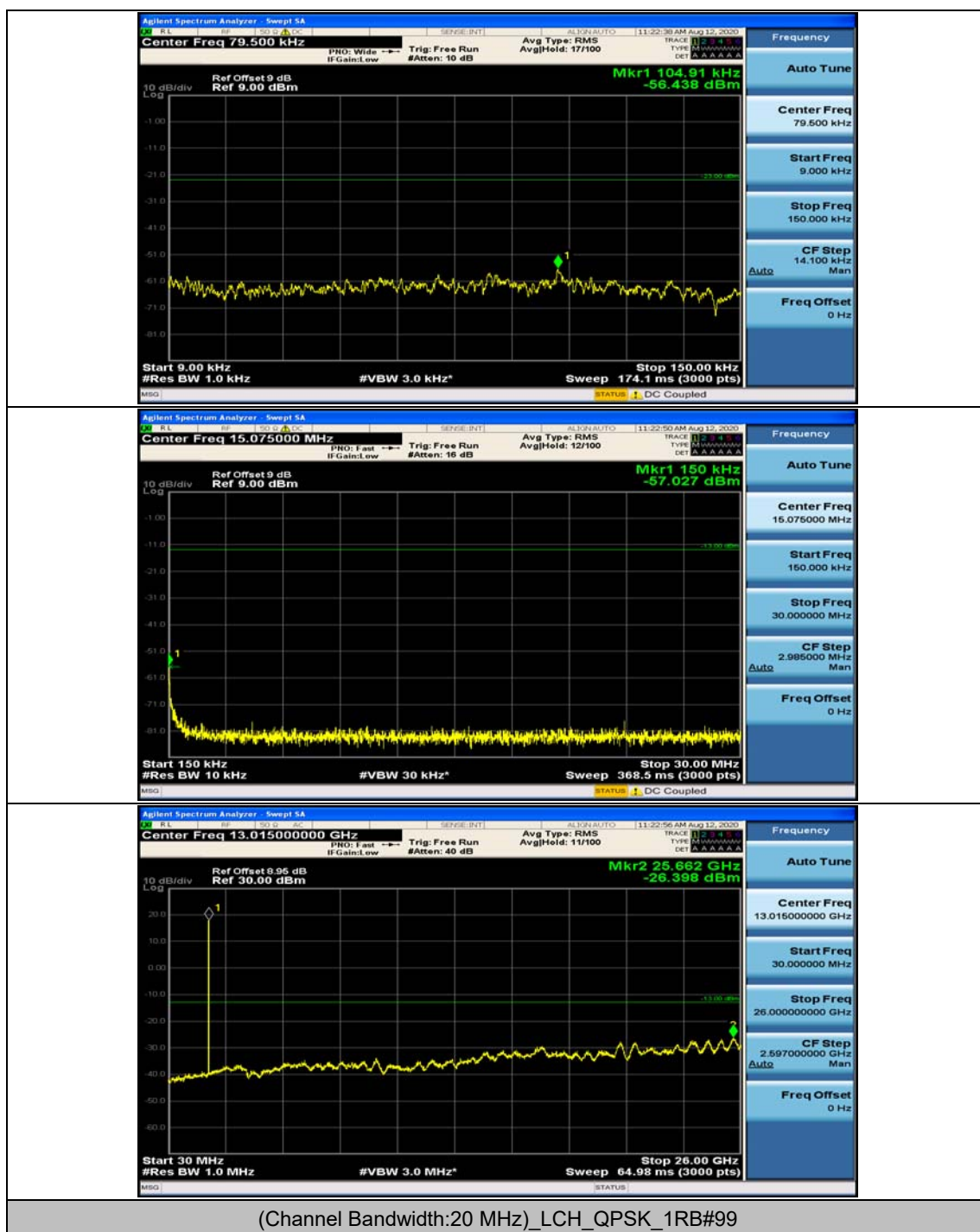


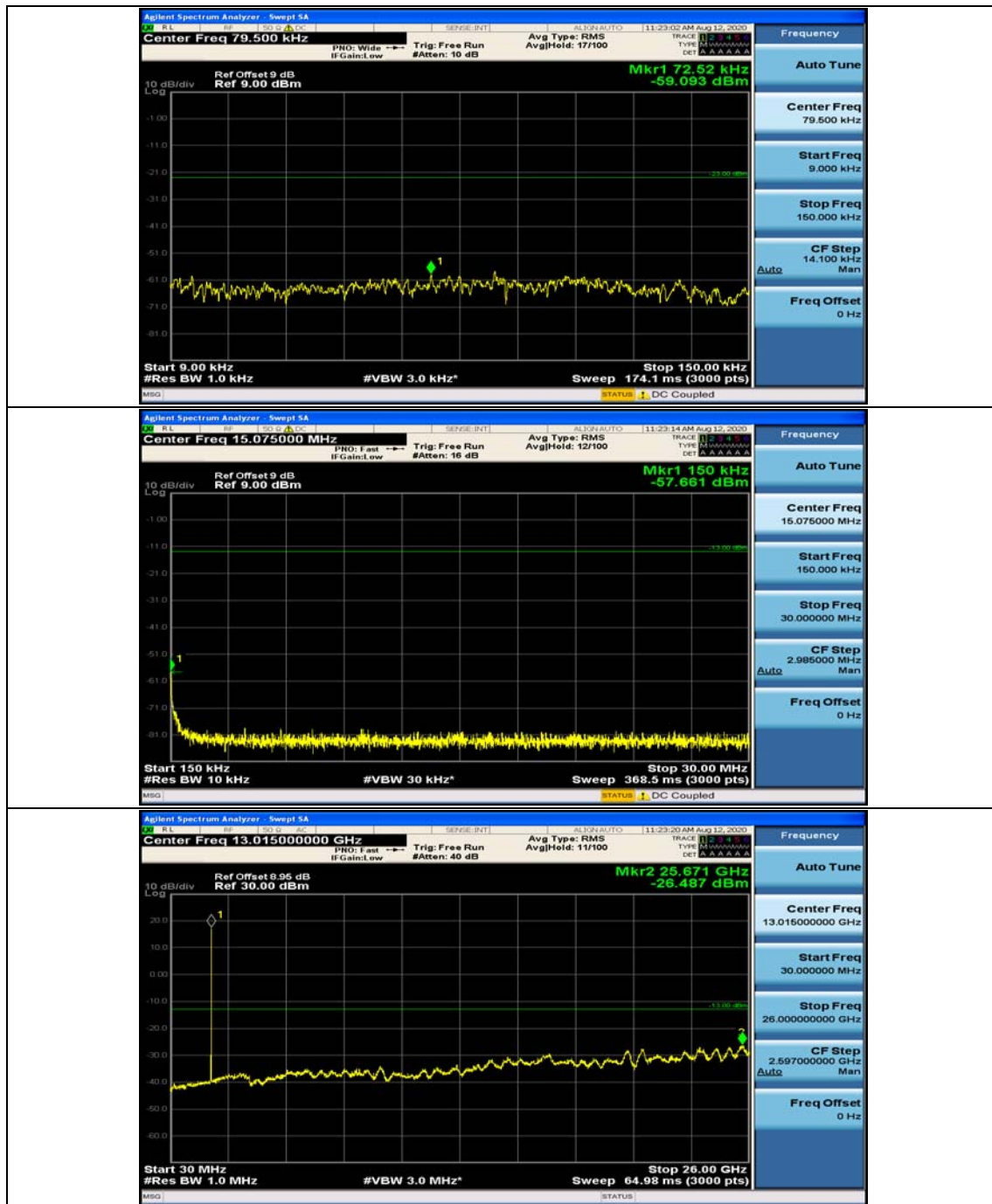


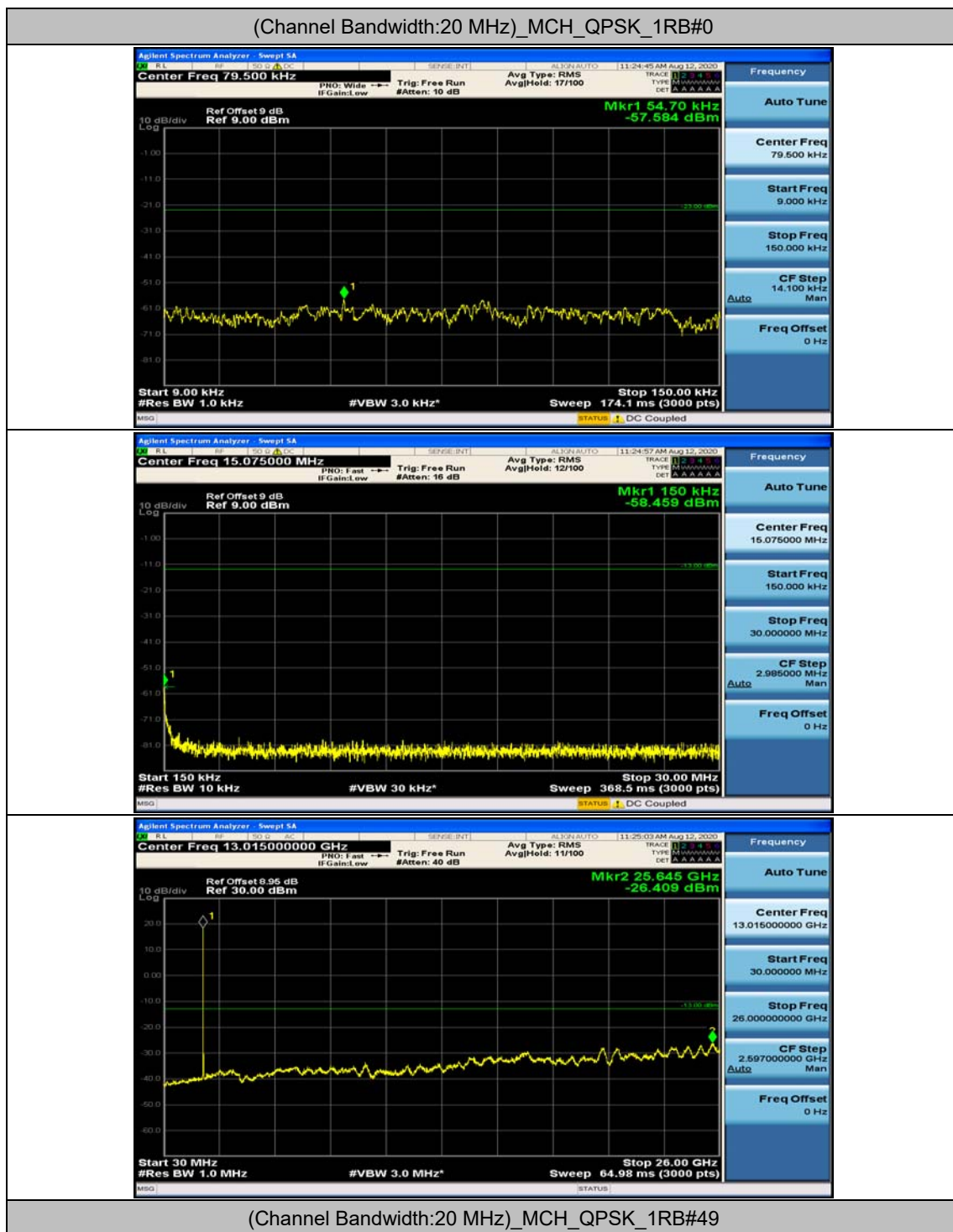


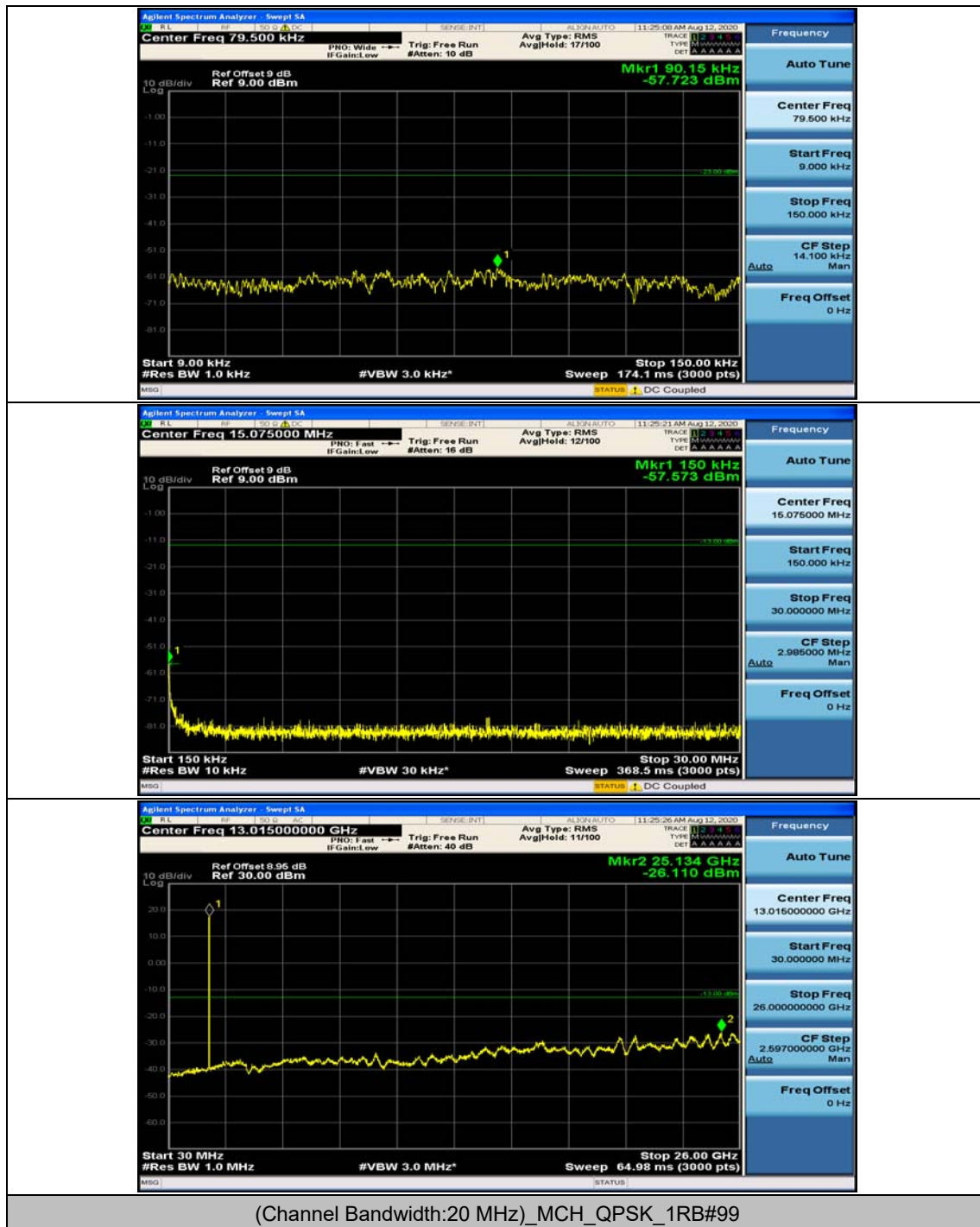
Channel Bandwidth: 20 MHz

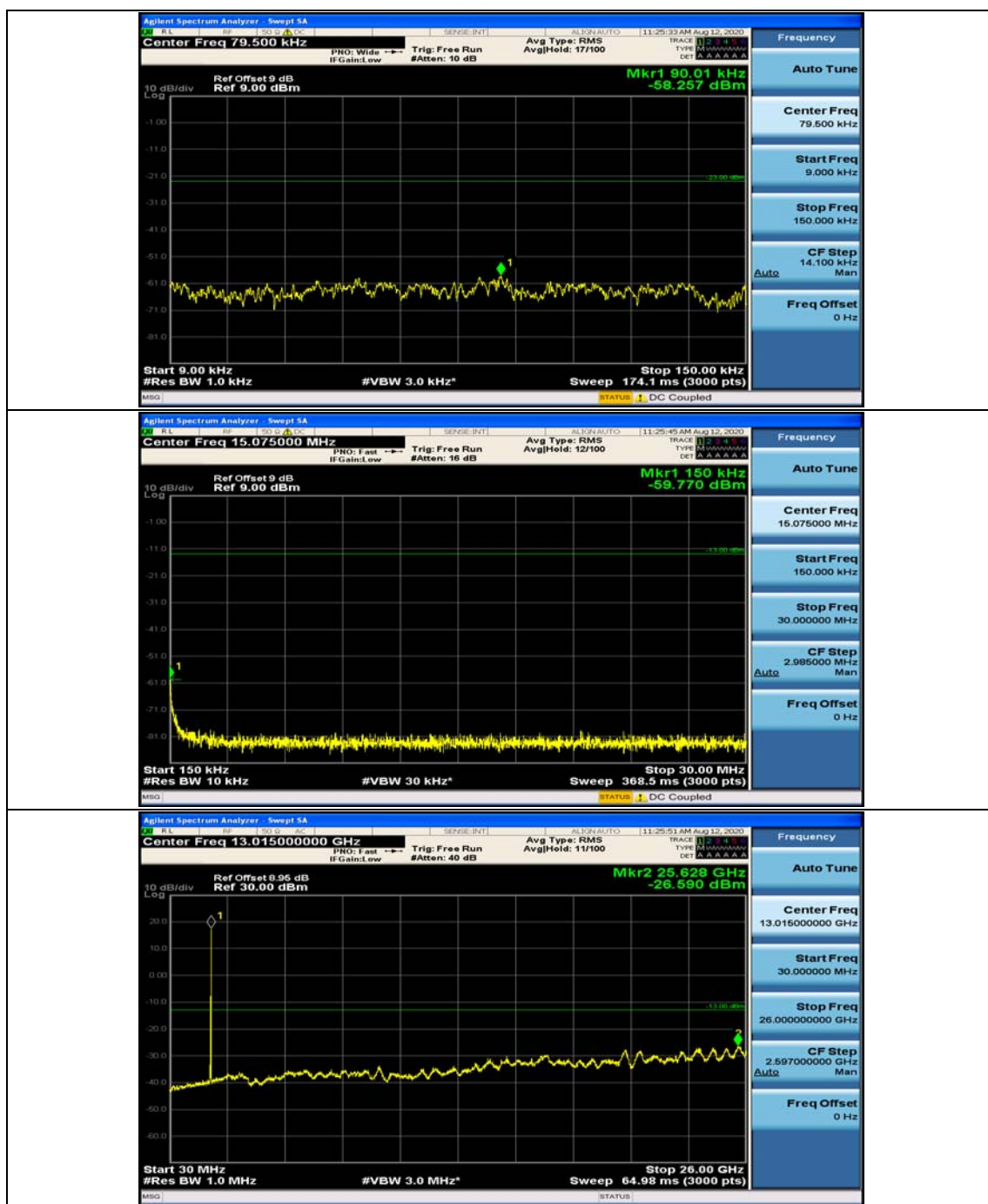


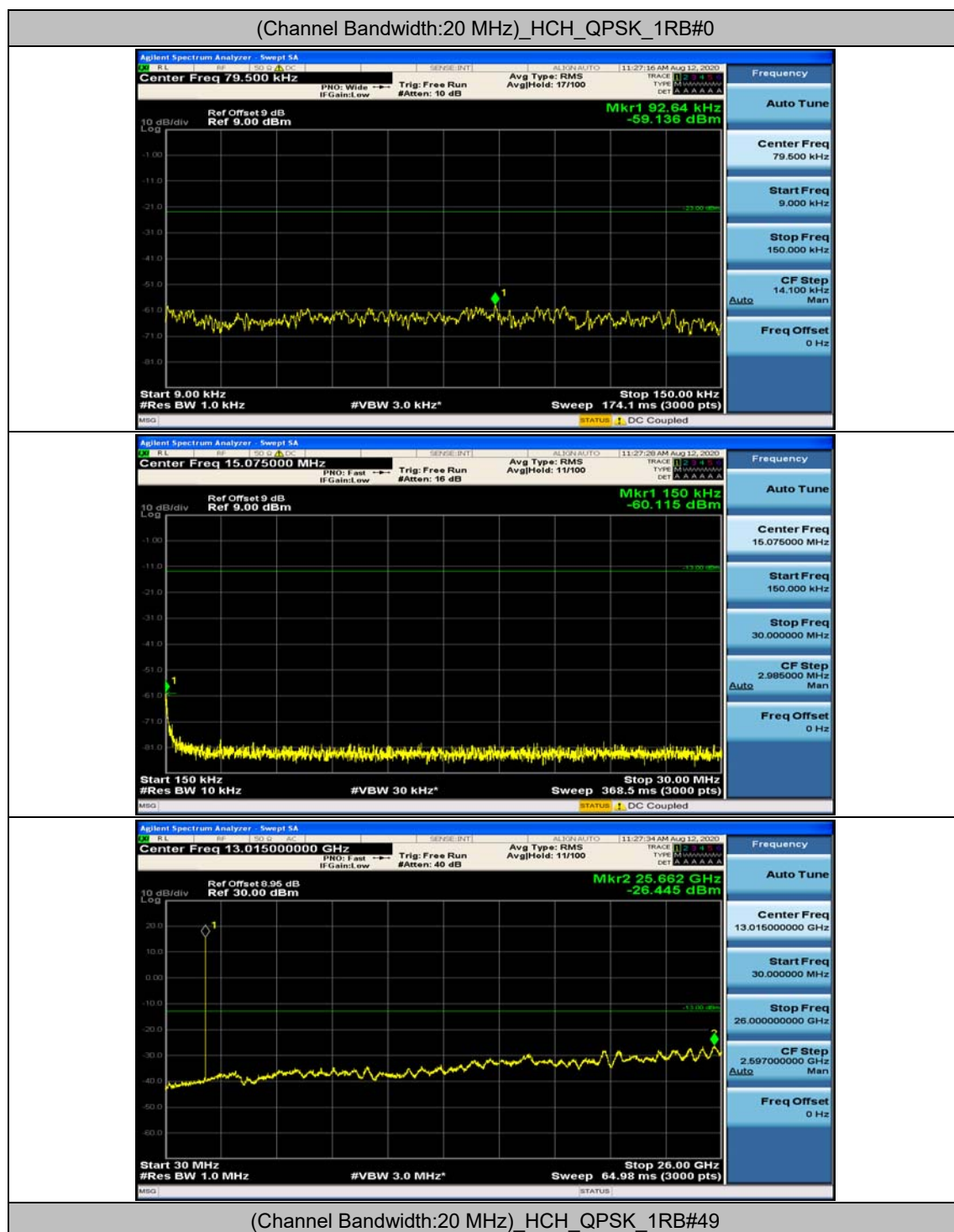


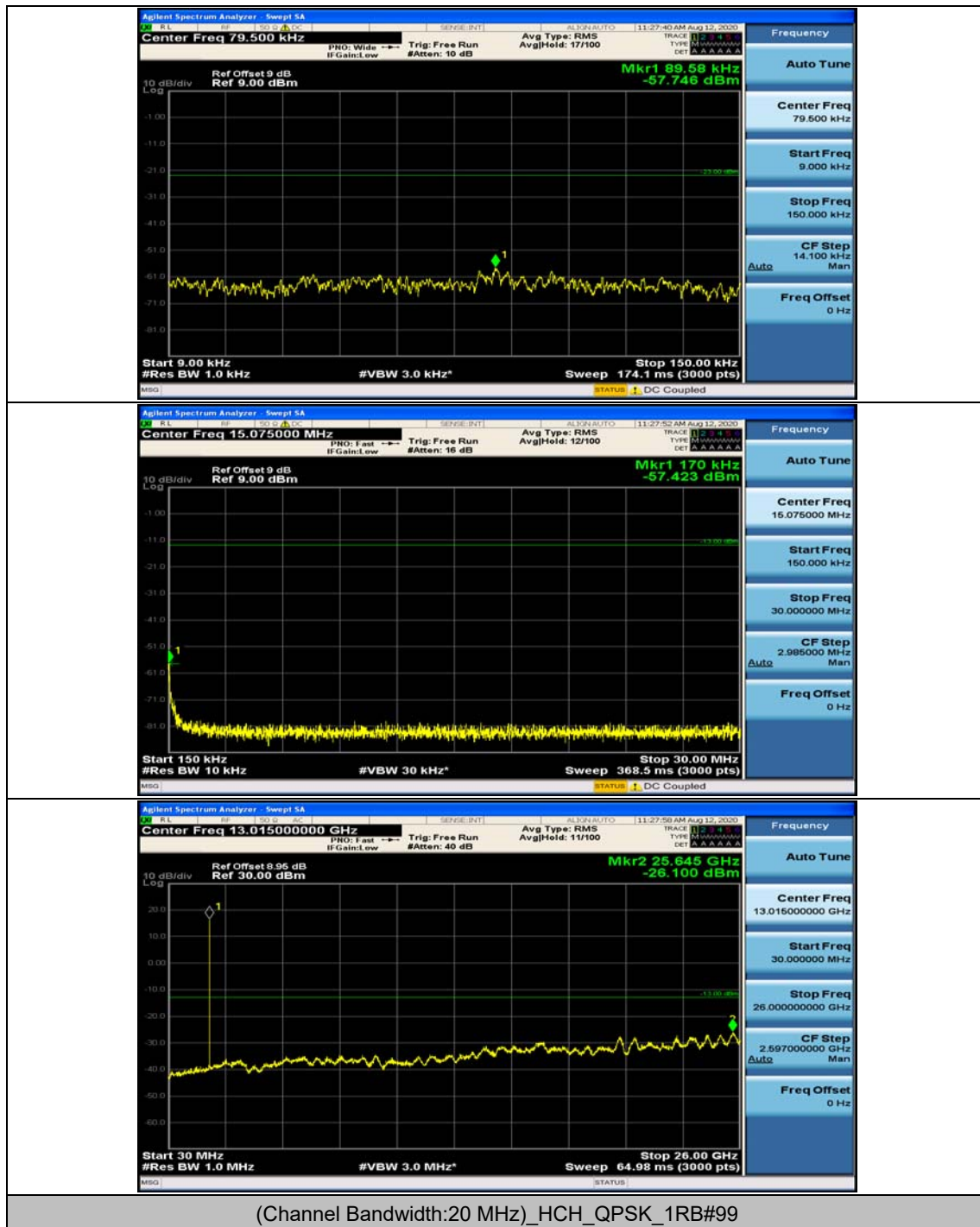


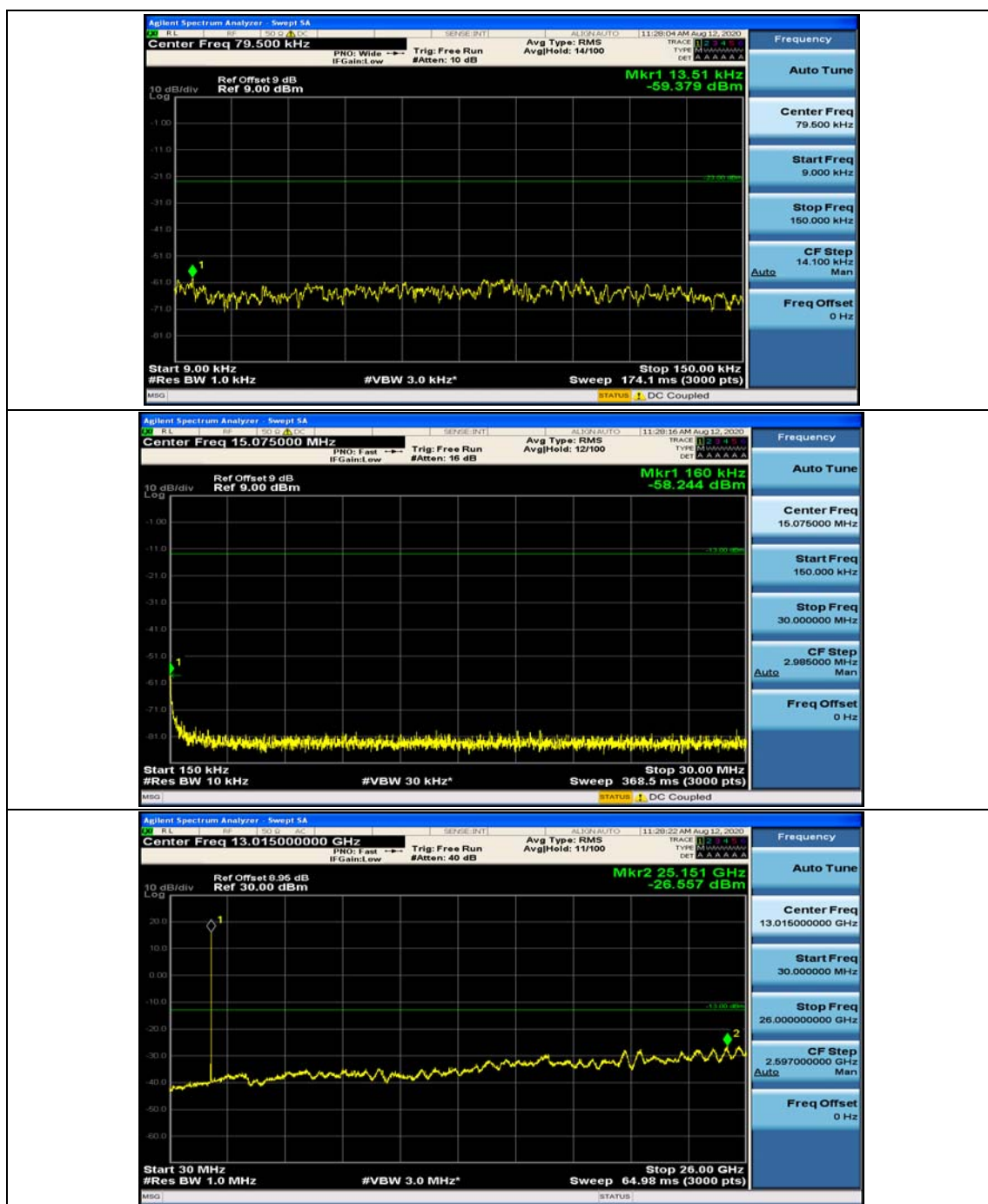


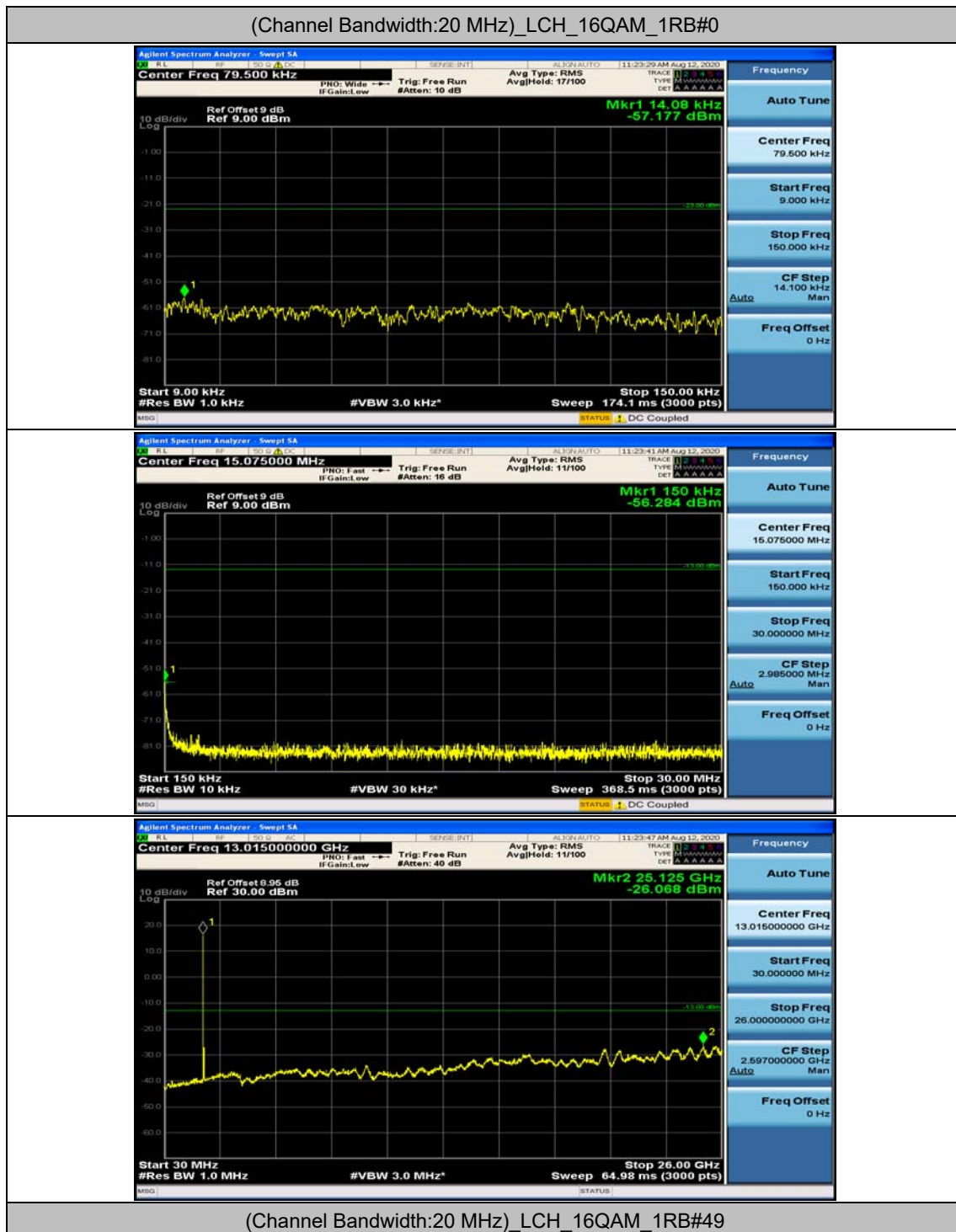


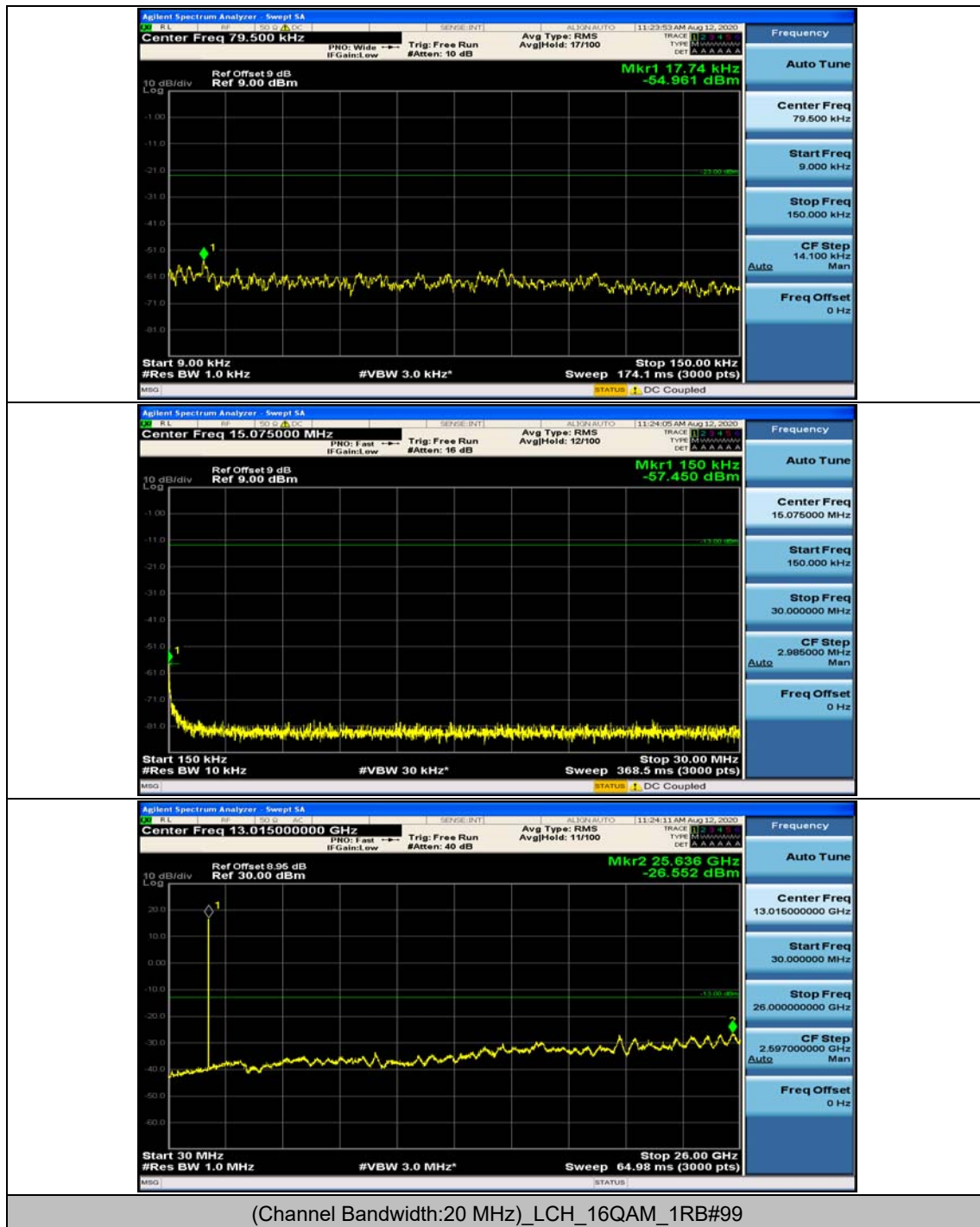


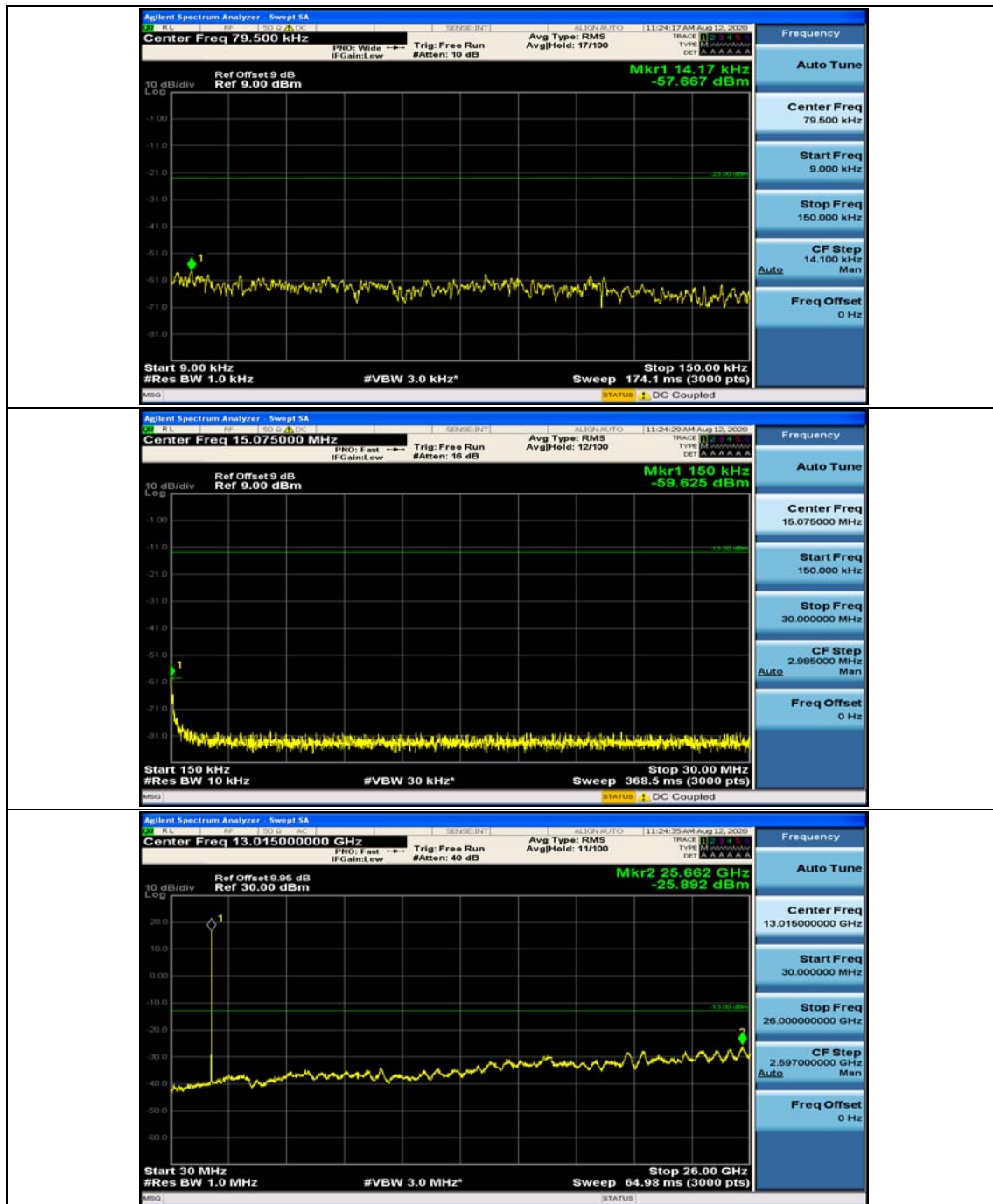


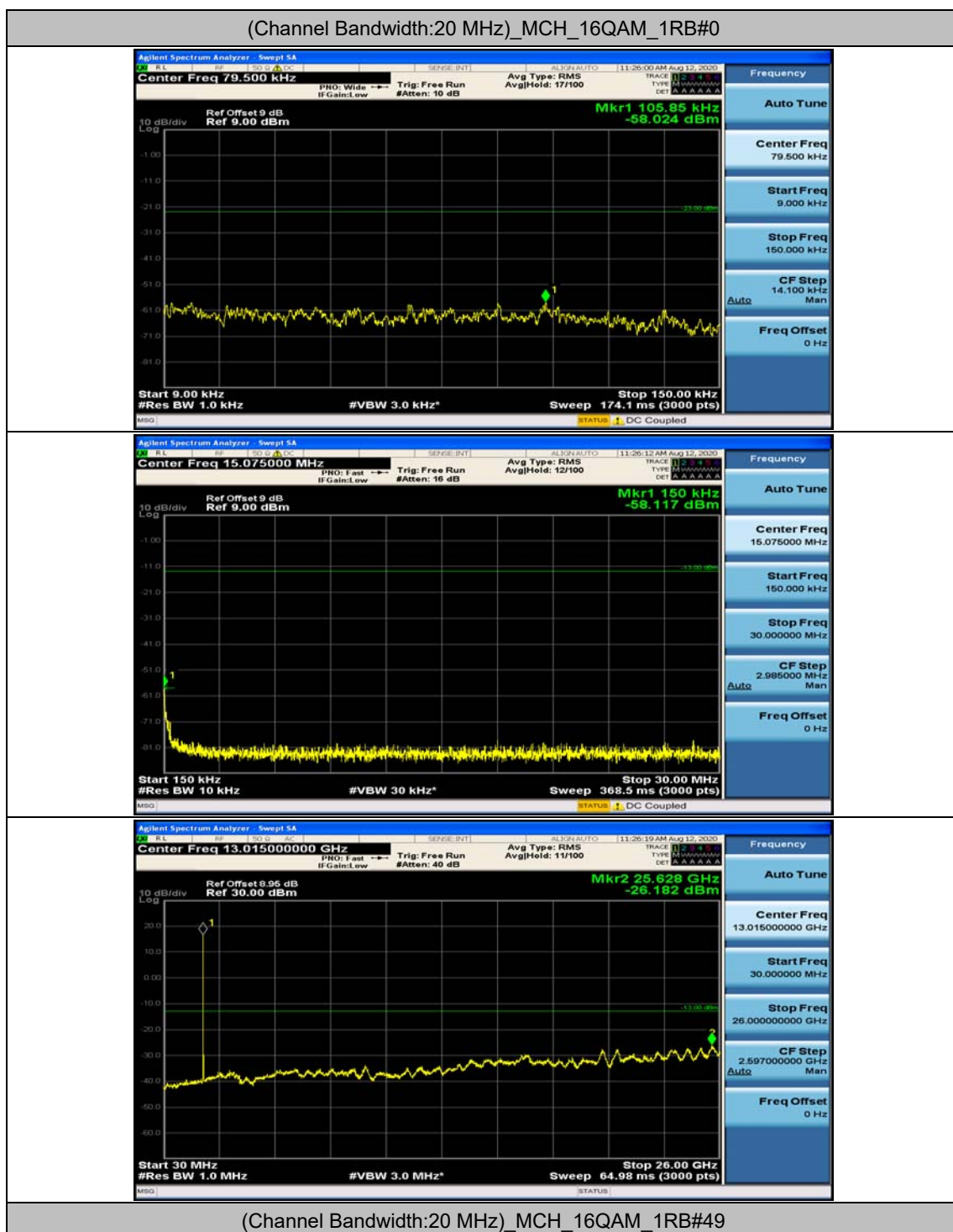


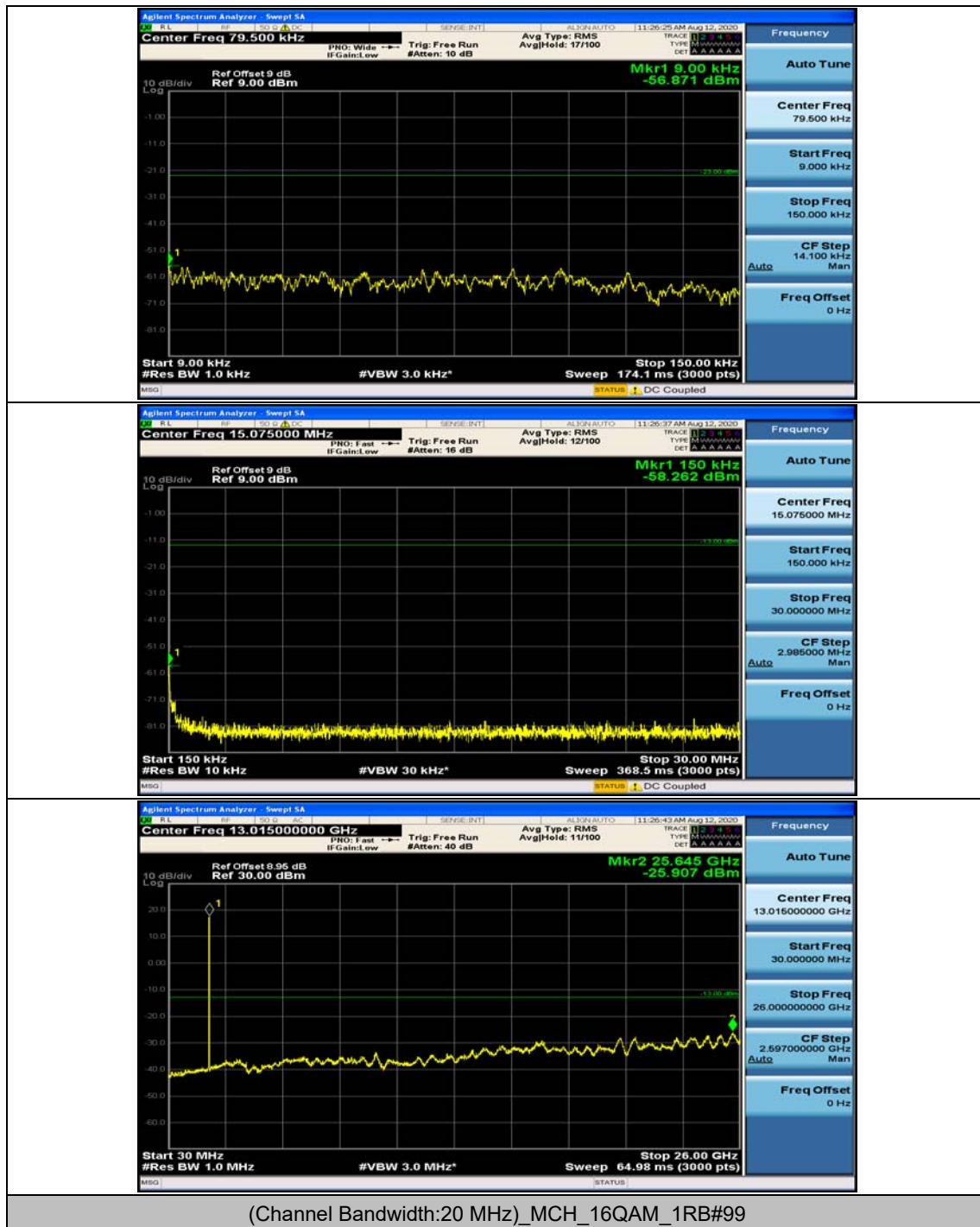


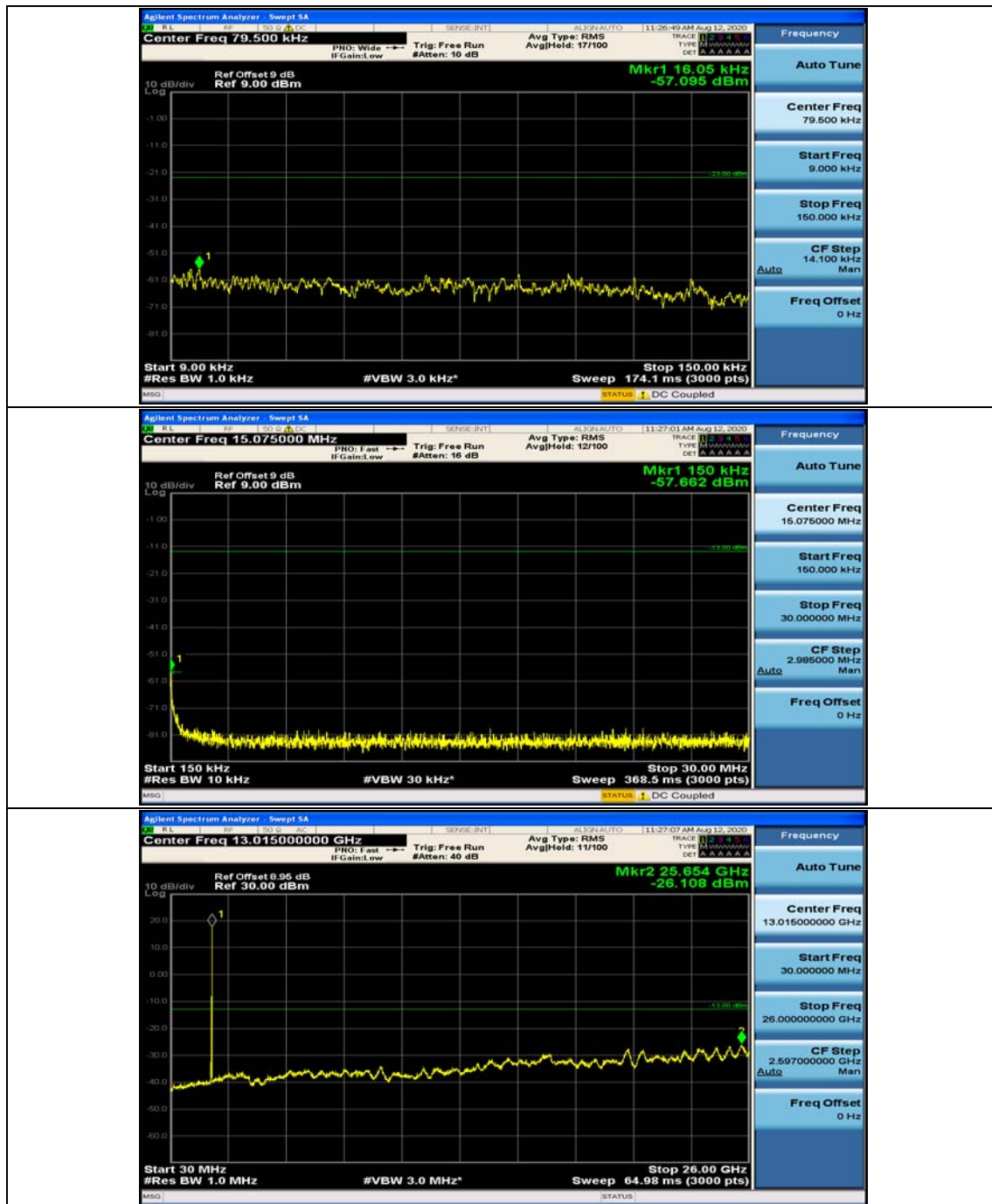


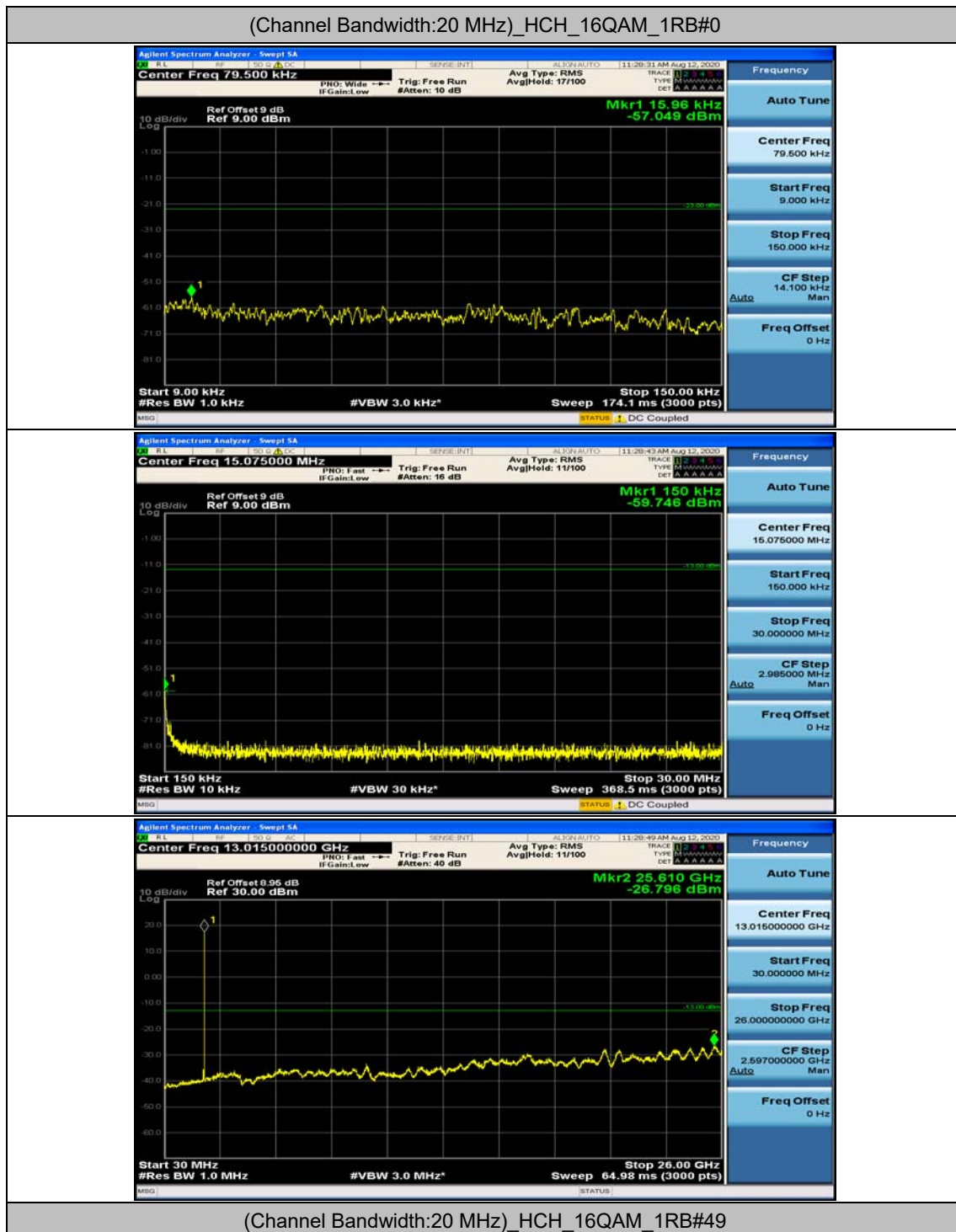


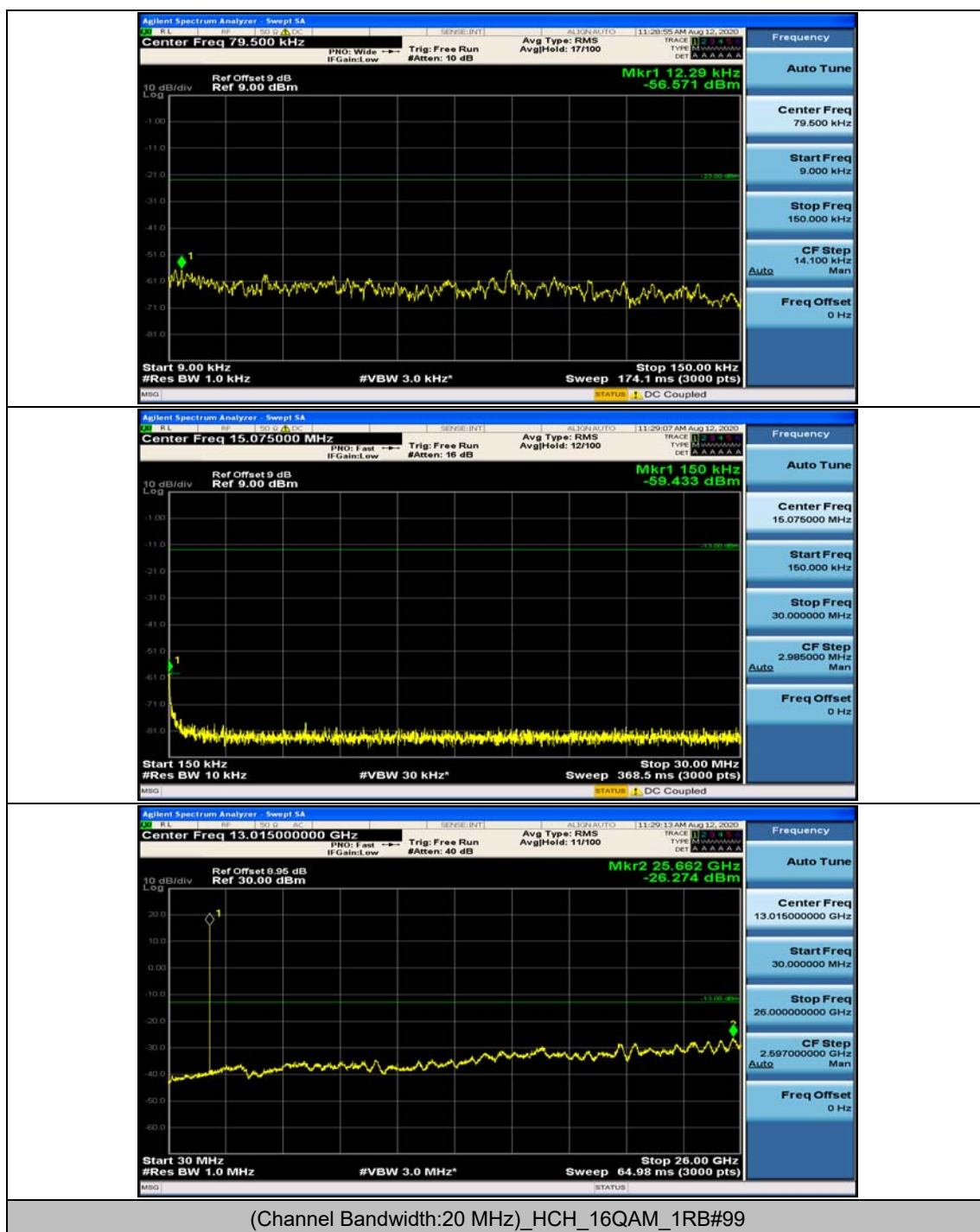


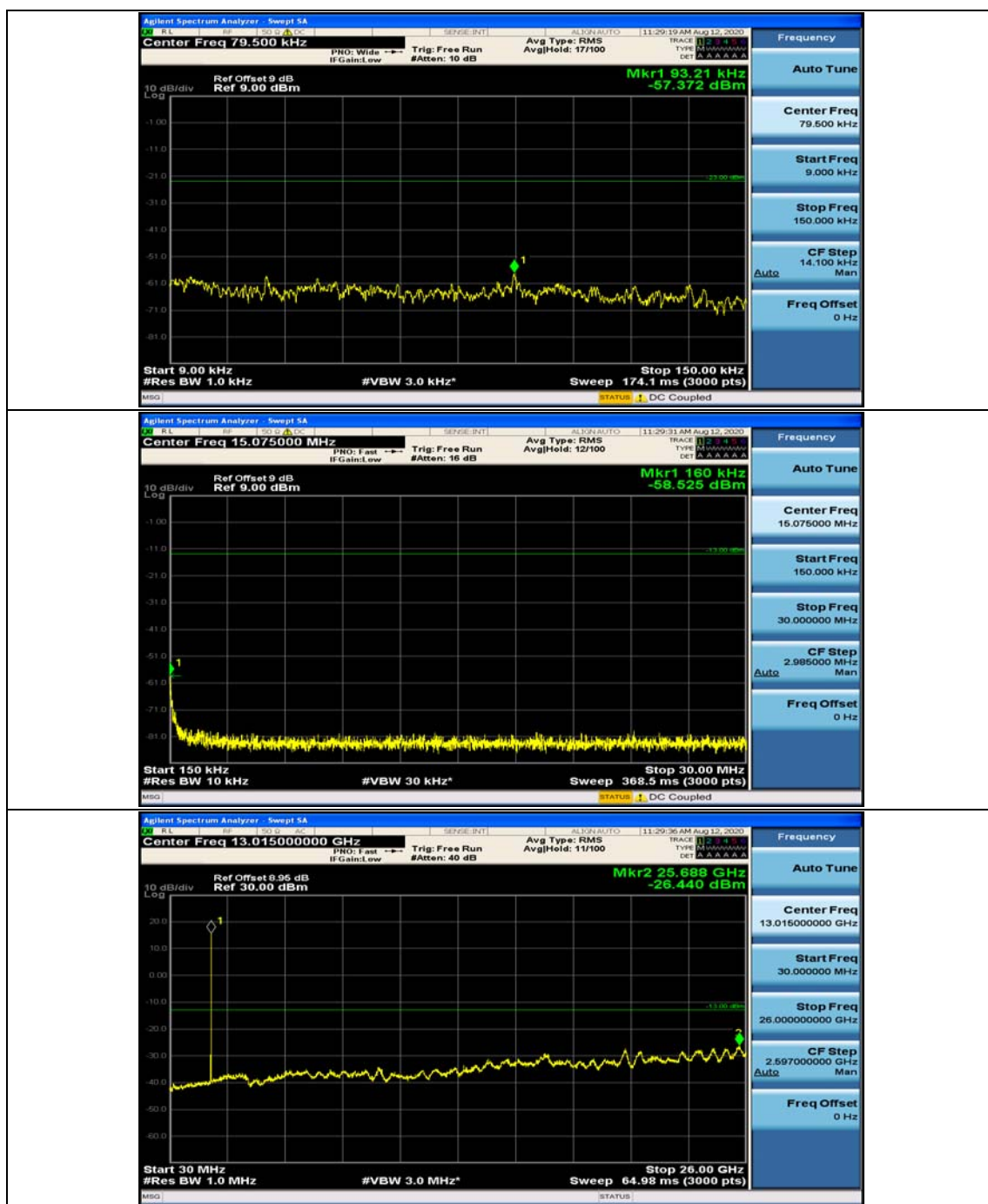












Appendix F: Frequency Stability

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	-0.66	-0.000357	± 2.5	PASS
		VN	TN	4.7	0.002540	± 2.5	PASS
		VH	TN	-1.5	-0.000811	± 2.5	PASS
	MCH	VL	TN	-0.72	-0.000383	± 2.5	PASS
		VN	TN	-0.83	-0.000441	± 2.5	PASS
		VH	TN	-1.92	-0.001021	± 2.5	PASS
	HCH	VL	TN	1.63	0.000854	± 2.5	PASS
		VN	TN	0.43	0.000225	± 2.5	PASS
		VH	TN	-1.99	-0.001042	± 2.5	PASS
16QAM	LCH	VL	TN	1.91	0.001032	± 2.5	PASS
		VN	TN	4.65	0.002513	± 2.5	PASS
		VH	TN	4.7	0.002540	± 2.5	PASS
	MCH	VL	TN	2.03	0.001080	± 2.5	PASS
		VN	TN	-1.67	-0.000888	± 2.5	PASS
		VH	TN	-0.43	-0.000229	± 2.5	PASS
	HCH	VL	TN	1.34	0.000702	± 2.5	PASS
		VN	TN	4.87	0.002551	± 2.5	PASS
		VH	TN	-0.01	-0.000005	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.65	-0.000351	± 2.5	PASS
		VN	-20	2.97	0.001605	± 2.5	PASS
		VN	-10	-1.34	-0.000724	± 2.5	PASS
		VN	0	-1.46	-0.000789	± 2.5	PASS
		VN	10	1.86	0.001005	± 2.5	PASS
		VN	20	2.2	0.001189	± 2.5	PASS
		VN	30	-0.56	-0.000303	± 2.5	PASS
		VN	40	1.89	0.001021	± 2.5	PASS
		VN	50	0.12	0.000065	± 2.5	PASS
	MCH	VN	-30	4.25	0.002261	± 2.5	PASS

		VN	-20	3.1	0.001649	± 2.5	PASS
		VN	-10	2.29	0.001218	± 2.5	PASS
		VN	0	-0.76	-0.000404	± 2.5	PASS
		VN	10	1.48	0.000787	± 2.5	PASS
		VN	20	4.33	0.002303	± 2.5	PASS
		VN	30	-0.74	-0.000394	± 2.5	PASS
		VN	40	4.87	0.002590	± 2.5	PASS
		VN	50	3.35	0.001782	± 2.5	PASS
	HCH	VN	-30	3.02	0.001582	± 2.5	PASS
		VN	-20	3.96	0.002074	± 2.5	PASS
		VN	-10	3.48	0.001823	± 2.5	PASS
		VN	0	4.12	0.002158	± 2.5	PASS
		VN	10	-0.64	-0.000335	± 2.5	PASS
		VN	20	-1.87	-0.000979	± 2.5	PASS
		VN	30	3.03	0.001587	± 2.5	PASS
		VN	40	0.9	0.000471	± 2.5	PASS
		VN	50	4.88	0.002556	± 2.5	PASS
16QAM	LCH	VN	-30	4.35	0.002350	± 2.5	PASS
		VN	-20	3.31	0.001789	± 2.5	PASS
		VN	-10	4.22	0.002280	± 2.5	PASS
		VN	0	-1.35	-0.000729	± 2.5	PASS
		VN	10	-0.34	-0.000184	± 2.5	PASS
		VN	20	-0.13	-0.000070	± 2.5	PASS
		VN	30	1.87	0.001010	± 2.5	PASS
		VN	40	-0.91	-0.000492	± 2.5	PASS
		VN	50	-1.77	-0.000956	± 2.5	PASS
	MCH	VN	-30	-1.49	-0.000793	± 2.5	PASS
		VN	-20	4.18	0.002223	± 2.5	PASS
		VN	-10	4.99	0.002654	± 2.5	PASS
		VN	0	-1.41	-0.000750	± 2.5	PASS
		VN	10	-0.4	-0.000213	± 2.5	PASS
		VN	20	4.63	0.002463	± 2.5	PASS
		VN	30	-1.68	-0.000894	± 2.5	PASS
		VN	40	0.25	0.000133	± 2.5	PASS
		VN	50	3.42	0.001819	± 2.5	PASS
	HCH	VN	-30	1.09	0.000571	± 2.5	PASS
		VN	-20	0.69	0.000361	± 2.5	PASS
		VN	-10	-0.3	-0.000157	± 2.5	PASS
		VN	0	0.99	0.000519	± 2.5	PASS
		VN	10	3.81	0.001995	± 2.5	PASS
		VN	20	3.04	0.001592	± 2.5	PASS

		VN	30	-1.48	-0.000775	± 2.5	PASS
		VN	40	-0.06	-0.000031	± 2.5	PASS
		VN	50	2.53	0.001325	± 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	0.001080	± 2.5	PASS
		VN	TN	0.81	0.000437	± 2.5	PASS
		VH	TN	-0.85	-0.000459	± 2.5	PASS
	MCH	VL	TN	3.04	0.001617	± 2.5	PASS
		VN	TN	4.86	0.002585	± 2.5	PASS
		VH	TN	-1.98	-0.001053	± 2.5	PASS
	HCH	VL	TN	-1.44	-0.000755	± 2.5	PASS
		VN	TN	-1.03	-0.000540	± 2.5	PASS
		VH	TN	1.87	0.000980	± 2.5	PASS
16QAM	LCH	VL	TN	0.42	0.000227	± 2.5	PASS
		VN	TN	3.79	0.002047	± 2.5	PASS
		VH	TN	4.37	0.002360	± 2.5	PASS
	MCH	VL	TN	2.05	0.001090	± 2.5	PASS
		VN	TN	0.26	0.000138	± 2.5	PASS
		VH	TN	-1.68	-0.000894	± 2.5	PASS
	HCH	VL	TN	1.16	0.000608	± 2.5	PASS
		VN	TN	2.91	0.001525	± 2.5	PASS
		VH	TN	0.43	0.000225	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.93	0.001583	± 2.5	PASS
		VN	-20	0.18	0.000097	± 2.5	PASS
		VN	-10	-0.26	-0.000140	± 2.5	PASS
		VN	0	-0.52	-0.000281	± 2.5	PASS
		VN	10	2.09	0.001129	± 2.5	PASS
		VN	20	3.17	0.001712	± 2.5	PASS
		VN	30	2.64	0.001426	± 2.5	PASS
		VN	40	1.15	0.000621	± 2.5	PASS
		VN	50	2.09	0.001129	± 2.5	PASS
	MCH	VN	-30	-0.3	-0.000160	± 2.5	PASS

		VN	-20	2.83	0.001505	± 2.5	PASS
		VN	-10	-1.16	-0.000617	± 2.5	PASS
		VN	0	1.64	0.000872	± 2.5	PASS
		VN	10	1.48	0.000787	± 2.5	PASS
		VN	20	4.37	0.002324	± 2.5	PASS
		VN	30	-0.31	-0.000165	± 2.5	PASS
		VN	40	-1.18	-0.000628	± 2.5	PASS
		VN	50	1.59	0.000846	± 2.5	PASS
	HCH	VN	-30	-1.52	-0.000796	± 2.5	PASS
		VN	-20	-0.89	-0.000466	± 2.5	PASS
		VN	-10	4.02	0.002106	± 2.5	PASS
		VN	0	0.92	0.000482	± 2.5	PASS
		VN	10	0.48	0.000252	± 2.5	PASS
		VN	20	-0.97	-0.000508	± 2.5	PASS
		VN	30	-1.4	-0.000734	± 2.5	PASS
		VN	40	-0.49	-0.000257	± 2.5	PASS
		VN	50	-0.17	-0.000089	± 2.5	PASS
16QAM	LCH	VN	-30	-1.81	-0.000978	± 2.5	PASS
		VN	-20	0.89	0.000481	± 2.5	PASS
		VN	-10	-1.79	-0.000967	± 2.5	PASS
		VN	0	2.49	0.001345	± 2.5	PASS
		VN	10	-0.85	-0.000459	± 2.5	PASS
		VN	20	-0.56	-0.000302	± 2.5	PASS
		VN	30	2.51	0.001356	± 2.5	PASS
		VN	40	2.1	0.001134	± 2.5	PASS
		VN	50	1.42	0.000767	± 2.5	PASS
	MCH	VN	-30	2.26	0.001202	± 2.5	PASS
		VN	-20	4.36	0.002319	± 2.5	PASS
		VN	-10	3.94	0.002096	± 2.5	PASS
		VN	0	-1.76	-0.000936	± 2.5	PASS
		VN	10	1.57	0.000835	± 2.5	PASS
		VN	20	1.32	0.000702	± 2.5	PASS
		VN	30	3.08	0.001638	± 2.5	PASS
		VN	40	0.92	0.000489	± 2.5	PASS
		VN	50	0.44	0.000234	± 2.5	PASS
	HCH	VN	-30	-1.37	-0.000718	± 2.5	PASS
		VN	-20	3.63	0.001902	± 2.5	PASS
		VN	-10	1.95	0.001022	± 2.5	PASS
		VN	0	4.12	0.002159	± 2.5	PASS
		VN	10	4.01	0.002101	± 2.5	PASS
		VN	20	-0.23	-0.000121	± 2.5	PASS

		VN	30	2.78	0.001457	± 2.5	PASS
		VN	40	4.44	0.002326	± 2.5	PASS
		VN	50	1.13	0.000592	± 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	-1.48	-0.000799	± 2.5	PASS
		VN	TN	0.73	0.000394	± 2.5	PASS
		VH	TN	0.03	0.000016	± 2.5	PASS
	MCH	VL	TN	2.11	0.001122	± 2.5	PASS
		VN	TN	-0.69	-0.000367	± 2.5	PASS
		VH	TN	3.78	0.002011	± 2.5	PASS
	HCH	VL	TN	-0.53	-0.000278	± 2.5	PASS
		VN	TN	-1.67	-0.000875	± 2.5	PASS
		VH	TN	-0.89	-0.000467	± 2.5	PASS
16QAM	LCH	VL	TN	0.91	0.000491	± 2.5	PASS
		VN	TN	4.43	0.002391	± 2.5	PASS
		VH	TN	1.78	0.000961	± 2.5	PASS
	MCH	VL	TN	0.9	0.000479	± 2.5	PASS
		VN	TN	0.53	0.000282	± 2.5	PASS
		VH	TN	-1.12	-0.000596	± 2.5	PASS
	HCH	VL	TN	1.85	0.000970	± 2.5	PASS
		VN	TN	4.64	0.002433	± 2.5	PASS
		VH	TN	1.27	0.000666	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.83	-0.000448	± 2.5	PASS
		VN	-20	3.87	0.002089	± 2.5	PASS
		VN	-10	4.15	0.002240	± 2.5	PASS
		VN	0	-1.34	-0.000723	± 2.5	PASS
		VN	10	3.59	0.001938	± 2.5	PASS
		VN	20	3.55	0.001916	± 2.5	PASS
		VN	30	3.7	0.001997	± 2.5	PASS
		VN	40	0.46	0.000248	± 2.5	PASS
		VN	50	-1.81	-0.000977	± 2.5	PASS
	MCH	VN	-30	-1.16	-0.000617	± 2.5	PASS

		VN	-20	3.03	0.001612	± 2.5	PASS
		VN	-10	-1.48	-0.000787	± 2.5	PASS
		VN	0	2.46	0.001309	± 2.5	PASS
		VN	10	-0.09	-0.000048	± 2.5	PASS
		VN	20	3.42	0.001819	± 2.5	PASS
		VN	30	0.85	0.000452	± 2.5	PASS
		VN	40	0.57	0.000303	± 2.5	PASS
		VN	50	-0.58	-0.000309	± 2.5	PASS
	HCH	VN	-30	-0.8	-0.000419	± 2.5	PASS
		VN	-20	3.21	0.001683	± 2.5	PASS
		VN	-10	-1.17	-0.000613	± 2.5	PASS
		VN	0	-1.42	-0.000744	± 2.5	PASS
		VN	10	4.81	0.002522	± 2.5	PASS
		VN	20	3.65	0.001913	± 2.5	PASS
		VN	30	2.87	0.001505	± 2.5	PASS
		VN	40	1.59	0.000834	± 2.5	PASS
		VN	50	-0.92	-0.000482	± 2.5	PASS
16QAM	LCH	VN	-30	-1.38	-0.000745	± 2.5	PASS
		VN	-20	4.43	0.002391	± 2.5	PASS
		VN	-10	3.95	0.002132	± 2.5	PASS
		VN	0	3.86	0.002084	± 2.5	PASS
		VN	10	3.92	0.002116	± 2.5	PASS
		VN	20	-0.68	-0.000367	± 2.5	PASS
		VN	30	1.84	0.000993	± 2.5	PASS
		VN	40	3.57	0.001927	± 2.5	PASS
		VN	50	4.33	0.002337	± 2.5	PASS
	MCH	VN	-30	-1.31	-0.000697	± 2.5	PASS
		VN	-20	1.41	0.000750	± 2.5	PASS
		VN	-10	-1.96	-0.001043	± 2.5	PASS
		VN	0	2.91	0.001548	± 2.5	PASS
		VN	10	-1.84	-0.000979	± 2.5	PASS
		VN	20	1.17	0.000622	± 2.5	PASS
		VN	30	2.31	0.001229	± 2.5	PASS
		VN	40	1.31	0.000697	± 2.5	PASS
		VN	50	4.83	0.002569	± 2.5	PASS
	HCH	VN	-30	1.65	0.000865	± 2.5	PASS
		VN	-20	-1.12	-0.000587	± 2.5	PASS
		VN	-10	4.55	0.002385	± 2.5	PASS
		VN	0	-1.3	-0.000682	± 2.5	PASS
		VN	10	4.65	0.002438	± 2.5	PASS
		VN	20	0.08	0.000042	± 2.5	PASS

		VN	30	0.24	0.000126	± 2.5	PASS
		VN	40	3.21	0.001683	± 2.5	PASS
		VN	50	0.64	0.000336	± 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	2.66	0.001434	± 2.5	PASS
		VN	TN	2.18	0.001175	± 2.5	PASS
		VH	TN	2.2	0.001186	± 2.5	PASS
	MCH	VL	TN	-1.69	-0.000899	± 2.5	PASS
		VN	TN	4.41	0.002346	± 2.5	PASS
		VH	TN	-1.71	-0.000910	± 2.5	PASS
	HCH	VL	TN	1.52	0.000798	± 2.5	PASS
		VN	TN	-0.85	-0.000446	± 2.5	PASS
		VH	TN	2.2	0.001155	± 2.5	PASS
16QAM	LCH	VL	TN	3.87	0.002086	± 2.5	PASS
		VN	TN	-1.02	-0.000550	± 2.5	PASS
		VH	TN	-1.61	-0.000868	± 2.5	PASS
	MCH	VL	TN	-1.35	-0.000718	± 2.5	PASS
		VN	TN	-0.74	-0.000394	± 2.5	PASS
		VH	TN	-1.99	-0.001059	± 2.5	PASS
	HCH	VL	TN	2.69	0.001412	± 2.5	PASS
		VN	TN	-0.95	-0.000499	± 2.5	PASS
		VH	TN	-1	-0.000525	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.18	0.002253	± 2.5	PASS
		VN	-20	-1.15	-0.000620	± 2.5	PASS
		VN	-10	2.3	0.001240	± 2.5	PASS
		VN	0	4.7	0.002534	± 2.5	PASS
		VN	10	-1.21	-0.000652	± 2.5	PASS
		VN	20	1.1	0.000593	± 2.5	PASS
		VN	30	0.84	0.000453	± 2.5	PASS
		VN	40	-0.4	-0.000216	± 2.5	PASS
		VN	50	2.34	0.001261	± 2.5	PASS
	MCH	VN	-30	1.8	0.000957	± 2.5	PASS

		VN	-20	-1.59	-0.000846	± 2.5	PASS
		VN	-10	2.69	0.001431	± 2.5	PASS
		VN	0	-1.69	-0.000899	± 2.5	PASS
		VN	10	-0.43	-0.000229	± 2.5	PASS
		VN	20	-0.64	-0.000340	± 2.5	PASS
		VN	30	1.81	0.000963	± 2.5	PASS
		VN	40	2.83	0.001505	± 2.5	PASS
		VN	50	1.99	0.001059	± 2.5	PASS
	HCH	VN	-30	1.17	0.000614	± 2.5	PASS
		VN	-20	-0.6	-0.000315	± 2.5	PASS
		VN	-10	1.73	0.000908	± 2.5	PASS
		VN	0	-1.2	-0.000630	± 2.5	PASS
		VN	10	-1.84	-0.000966	± 2.5	PASS
		VN	20	3.64	0.001911	± 2.5	PASS
		VN	30	4.97	0.002609	± 2.5	PASS
		VN	40	0.09	0.000047	± 2.5	PASS
		VN	50	3.43	0.001801	± 2.5	PASS
16QAM	LCH	VN	-30	3.55	0.001914	± 2.5	PASS
		VN	-20	3.85	0.002075	± 2.5	PASS
		VN	-10	2.36	0.001272	± 2.5	PASS
		VN	0	1.11	0.000598	± 2.5	PASS
		VN	10	-0.08	-0.000043	± 2.5	PASS
		VN	20	0.58	0.000313	± 2.5	PASS
		VN	30	-1.89	-0.001019	± 2.5	PASS
		VN	40	2.41	0.001299	± 2.5	PASS
		VN	50	1.63	0.000879	± 2.5	PASS
	MCH	VN	-30	0.13	0.000069	± 2.5	PASS
		VN	-20	2.84	0.001511	± 2.5	PASS
		VN	-10	2.74	0.001457	± 2.5	PASS
		VN	0	-1.7	-0.000904	± 2.5	PASS
		VN	10	3.28	0.001745	± 2.5	PASS
		VN	20	3.66	0.001947	± 2.5	PASS
		VN	30	3.52	0.001872	± 2.5	PASS
		VN	40	-2	-0.001064	± 2.5	PASS
		VN	50	2.36	0.001255	± 2.5	PASS
	HCH	VN	-30	4.49	0.002357	± 2.5	PASS
		VN	-20	4.71	0.002472	± 2.5	PASS
		VN	-10	2.83	0.001486	± 2.5	PASS
		VN	0	-0.37	-0.000194	± 2.5	PASS
		VN	10	4.17	0.002189	± 2.5	PASS
		VN	20	-1.86	-0.000976	± 2.5	PASS

		VN	30	3.77	0.001979	± 2.5	PASS
		VN	40	4.28	0.002247	± 2.5	PASS
		VN	50	2.57	0.001349	± 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	1.24	0.000668	± 2.5	PASS
		VN	TN	-1.81	-0.000974	± 2.5	PASS
		VH	TN	1.27	0.000684	± 2.5	PASS
	MCH	VL	TN	-1.93	-0.001027	± 2.5	PASS
		VN	TN	2	0.001064	± 2.5	PASS
		VH	TN	4.56	0.002426	± 2.5	PASS
	HCH	VL	TN	3.91	0.002055	± 2.5	PASS
		VN	TN	3.93	0.002066	± 2.5	PASS
		VH	TN	2.18	0.001146	± 2.5	PASS
16QAM	LCH	VL	TN	-1.32	-0.000711	± 2.5	PASS
		VN	TN	-0.84	-0.000452	± 2.5	PASS
		VH	TN	2	0.001077	± 2.5	PASS
	MCH	VL	TN	0.64	0.000340	± 2.5	PASS
		VN	TN	-0.32	-0.000170	± 2.5	PASS
		VH	TN	1.27	0.000676	± 2.5	PASS
	HCH	VL	TN	2.91	0.001530	± 2.5	PASS
		VN	TN	4.63	0.002434	± 2.5	PASS
		VH	TN	-1.24	-0.000652	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.8	0.002046	± 2.5	PASS
		VN	-20	-1.66	-0.000894	± 2.5	PASS
		VN	-10	4.34	0.002336	± 2.5	PASS
		VN	0	2.85	0.001534	± 2.5	PASS
		VN	10	-0.03	-0.000016	± 2.5	PASS
		VN	20	0.7	0.000377	± 2.5	PASS
		VN	30	1.45	0.000781	± 2.5	PASS
		VN	40	-1.82	-0.000980	± 2.5	PASS
		VN	50	2.71	0.001459	± 2.5	PASS
	MCH	VN	-30	-0.16	-0.000085	± 2.5	PASS

		VN	-20	3.47	0.001846	± 2.5	PASS
		VN	-10	3.95	0.002101	± 2.5	PASS
		VN	0	1.22	0.000649	± 2.5	PASS
		VN	10	4.03	0.002144	± 2.5	PASS
		VN	20	3.37	0.001793	± 2.5	PASS
		VN	30	4.63	0.002463	± 2.5	PASS
		VN	40	0.5	0.000266	± 2.5	PASS
		VN	50	2.4	0.001277	± 2.5	PASS
	HCH	VN	-30	3.38	0.001777	± 2.5	PASS
		VN	-20	1.61	0.000846	± 2.5	PASS
		VN	-10	2.61	0.001372	± 2.5	PASS
		VN	0	2.49	0.001309	± 2.5	PASS
		VN	10	-1.51	-0.000794	± 2.5	PASS
		VN	20	2.61	0.001372	± 2.5	PASS
		VN	30	4.63	0.002434	± 2.5	PASS
		VN	40	-1.99	-0.001046	± 2.5	PASS
		VN	50	-0.9	-0.000473	± 2.5	PASS
16QAM	LCH	VN	-30	-0.56	-0.000301	± 2.5	PASS
		VN	-20	2.34	0.001260	± 2.5	PASS
		VN	-10	-0.26	-0.000140	± 2.5	PASS
		VN	0	3.37	0.001814	± 2.5	PASS
		VN	10	-0.74	-0.000398	± 2.5	PASS
		VN	20	0.47	0.000253	± 2.5	PASS
		VN	30	1.2	0.000646	± 2.5	PASS
		VN	40	-0.64	-0.000345	± 2.5	PASS
		VN	50	1.32	0.000711	± 2.5	PASS
	MCH	VN	-30	3.4	0.001809	± 2.5	PASS
		VN	-20	2.42	0.001287	± 2.5	PASS
		VN	-10	3.28	0.001745	± 2.5	PASS
		VN	0	0.66	0.000351	± 2.5	PASS
		VN	10	4.39	0.002335	± 2.5	PASS
		VN	20	-2	-0.001064	± 2.5	PASS
		VN	30	4.99	0.002654	± 2.5	PASS
		VN	40	0.45	0.000239	± 2.5	PASS
		VN	50	3.99	0.002122	± 2.5	PASS
	HCH	VN	-30	-0.52	-0.000273	± 2.5	PASS
		VN	-20	-1.2	-0.000631	± 2.5	PASS
		VN	-10	-1.03	-0.000541	± 2.5	PASS
		VN	0	2.41	0.001267	± 2.5	PASS
		VN	10	3.97	0.002087	± 2.5	PASS
		VN	20	2.64	0.001388	± 2.5	PASS

		VN	30	3.1	0.001629	± 2.5	PASS
		VN	40	2.45	0.001288	± 2.5	PASS
		VN	50	1.69	0.000888	± 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	4.52	0.002430	± 2.5	PASS
		VN	TN	4.27	0.002296	± 2.5	PASS
		VH	TN	-0.57	-0.000306	± 2.5	PASS
	MCH	VL	TN	2.52	0.001340	± 2.5	PASS
		VN	TN	0.71	0.000378	± 2.5	PASS
		VH	TN	0.48	0.000255	± 2.5	PASS
	HCH	VL	TN	-0.56	-0.000295	± 2.5	PASS
		VN	TN	-0.11	-0.000058	± 2.5	PASS
		VH	TN	0.18	0.000095	± 2.5	PASS
16QAM	LCH	VL	TN	0.09	0.000048	± 2.5	PASS
		VN	TN	-1.75	-0.000941	± 2.5	PASS
		VH	TN	4.63	0.002489	± 2.5	PASS
	MCH	VL	TN	0.82	0.000436	± 2.5	PASS
		VN	TN	3.03	0.001612	± 2.5	PASS
		VH	TN	-1.37	-0.000729	± 2.5	PASS
	HCH	VL	TN	0.82	0.000432	± 2.5	PASS
		VN	TN	-1.95	-0.001026	± 2.5	PASS
		VH	TN	-1.36	-0.000716	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.07	-0.000038	± 2.5	PASS
		VN	-20	2.53	0.001360	± 2.5	PASS
		VN	-10	4	0.002151	± 2.5	PASS
		VN	0	-1.86	-0.001000	± 2.5	PASS
		VN	10	1.06	0.000570	± 2.5	PASS
		VN	20	3.78	0.002032	± 2.5	PASS
		VN	30	-1.27	-0.000683	± 2.5	PASS
		VN	40	3.17	0.001704	± 2.5	PASS
		VN	50	2.17	0.001167	± 2.5	PASS
	MCH	VN	-30	2.04	0.001085	± 2.5	PASS

		VN	-20	-0.71	-0.000378	± 2.5	PASS
		VN	-10	2.2	0.001170	± 2.5	PASS
		VN	0	1.71	0.000910	± 2.5	PASS
		VN	10	2.11	0.001122	± 2.5	PASS
		VN	20	2.5	0.001330	± 2.5	PASS
		VN	30	-0.8	-0.000426	± 2.5	PASS
		VN	40	-0.79	-0.000420	± 2.5	PASS
		VN	50	0.33	0.000176	± 2.5	PASS
	HCH	VN	-30	2.73	0.001437	± 2.5	PASS
		VN	-20	2.71	0.001426	± 2.5	PASS
		VN	-10	1.65	0.000868	± 2.5	PASS
		VN	0	-0.96	-0.000505	± 2.5	PASS
		VN	10	3.5	0.001842	± 2.5	PASS
		VN	20	-1.58	-0.000832	± 2.5	PASS
		VN	30	0.52	0.000274	± 2.5	PASS
		VN	40	3.18	0.001674	± 2.5	PASS
		VN	50	-0.52	-0.000274	± 2.5	PASS
16QAM	LCH	VN	-30	-0.87	-0.000468	± 2.5	PASS
		VN	-20	4.06	0.002183	± 2.5	PASS
		VN	-10	-0.14	-0.000075	± 2.5	PASS
		VN	0	1.19	0.000640	± 2.5	PASS
		VN	10	-1	-0.000538	± 2.5	PASS
		VN	20	1.89	0.001016	± 2.5	PASS
		VN	30	1.35	0.000726	± 2.5	PASS
		VN	40	-0.42	-0.000226	± 2.5	PASS
		VN	50	1.91	0.001027	± 2.5	PASS
	MCH	VN	-30	1.3	0.000691	± 2.5	PASS
		VN	-20	3.8	0.002021	± 2.5	PASS
		VN	-10	1.96	0.001043	± 2.5	PASS
		VN	0	2.68	0.001426	± 2.5	PASS
		VN	10	-1.3	-0.000691	± 2.5	PASS
		VN	20	3.92	0.002085	± 2.5	PASS
		VN	30	-1.94	-0.001032	± 2.5	PASS
		VN	40	0.27	0.000144	± 2.5	PASS
		VN	50	2.64	0.001404	± 2.5	PASS
	HCH	VN	-30	3.98	0.002095	± 2.5	PASS
		VN	-20	2.7	0.001421	± 2.5	PASS
		VN	-10	3.7	0.001947	± 2.5	PASS
		VN	0	-1.64	-0.000863	± 2.5	PASS
		VN	10	2.11	0.001111	± 2.5	PASS
		VN	20	0.04	0.000021	± 2.5	PASS

		VN	30	4.73	0.002489	± 2.5	PASS
		VN	40	1.28	0.000674	± 2.5	PASS
		VN	50	3.59	0.001889	± 2.5	PASS