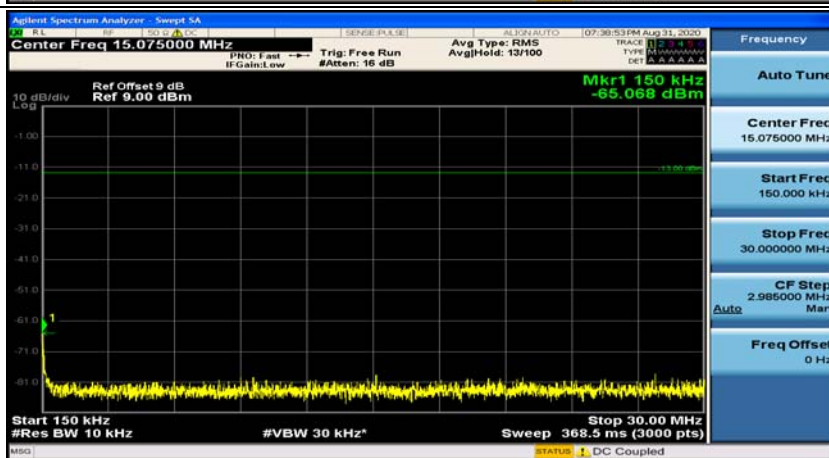
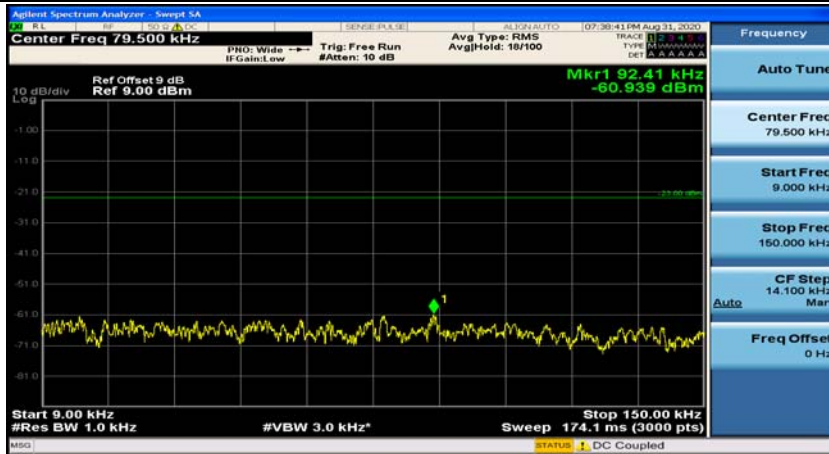
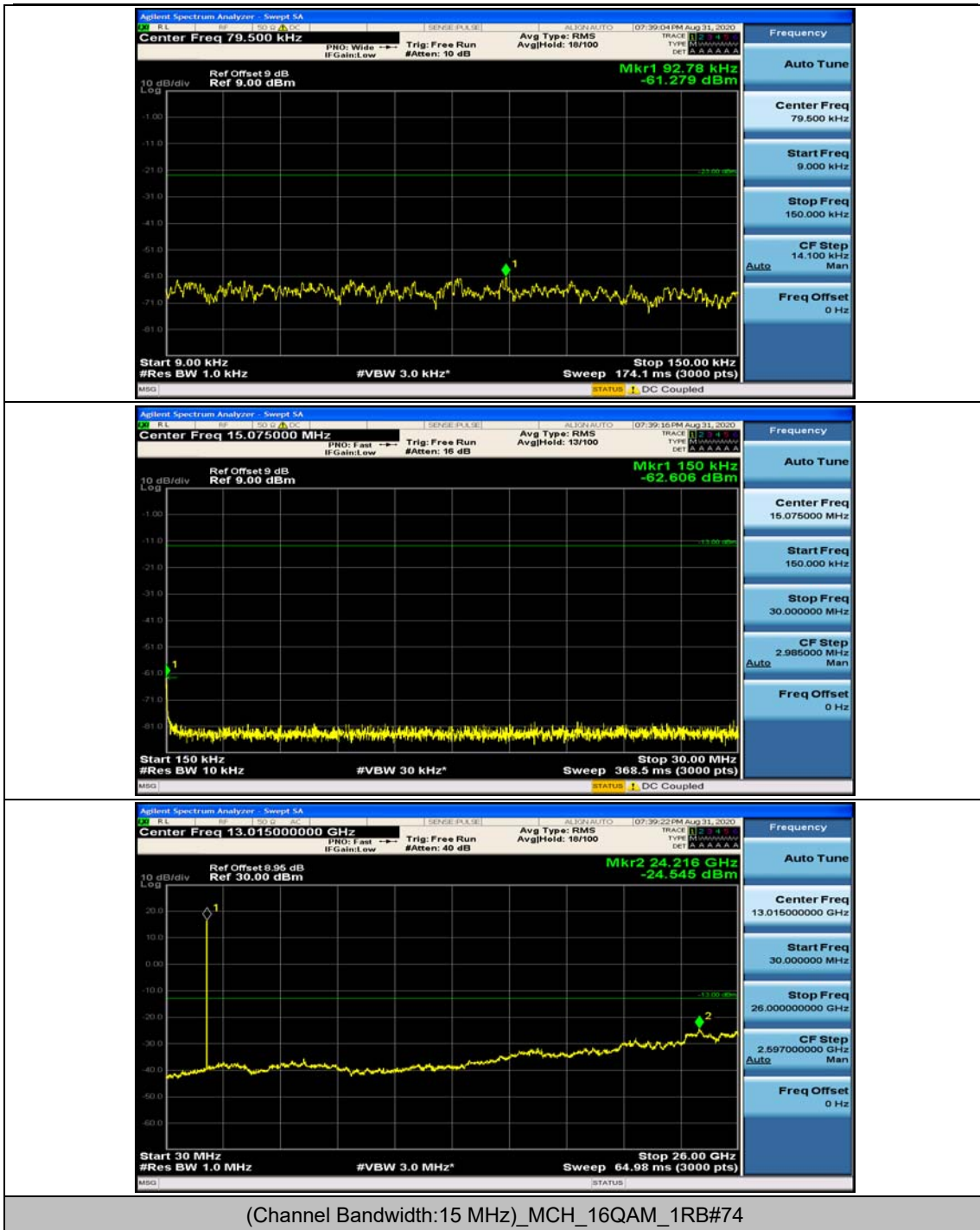
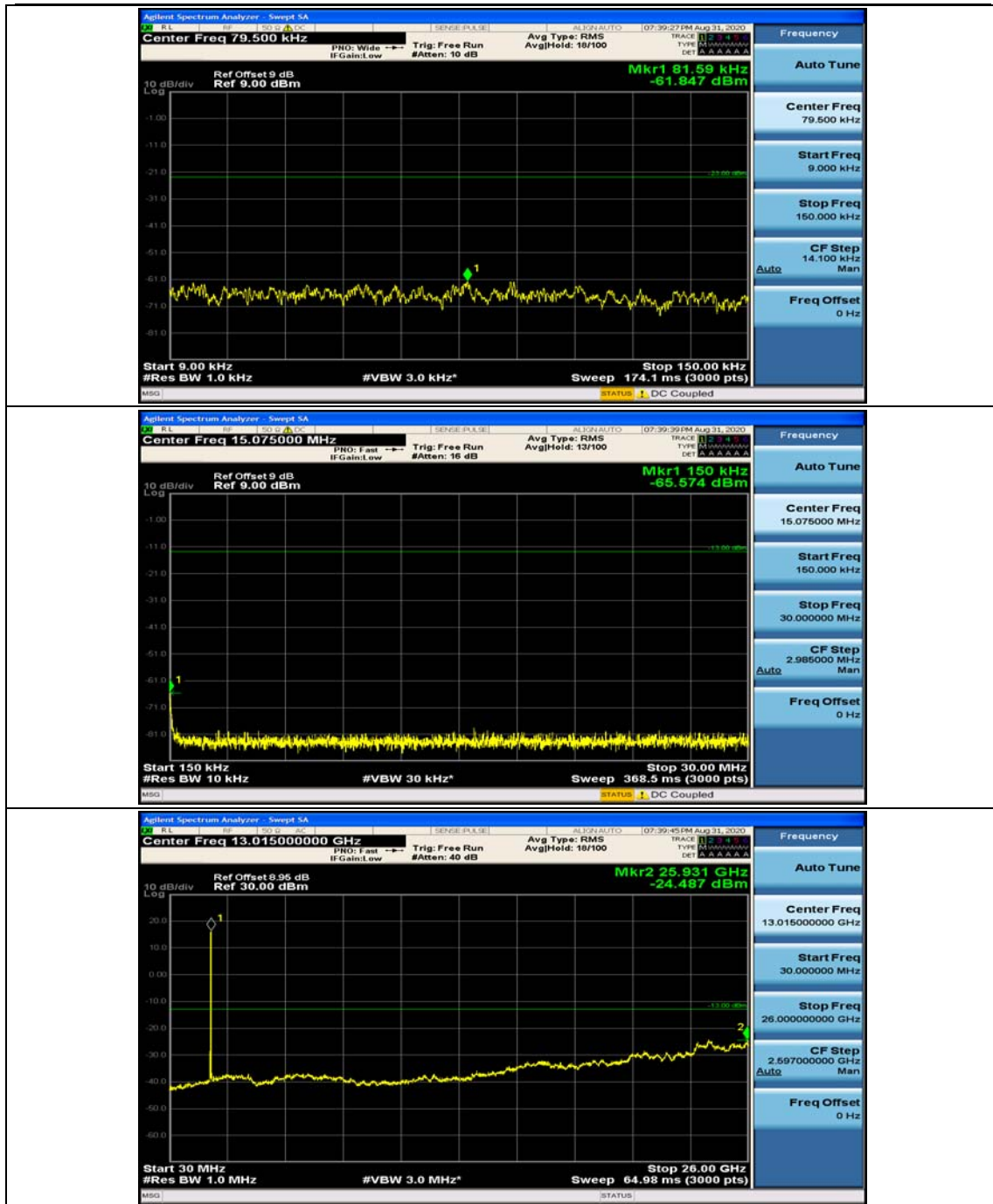


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

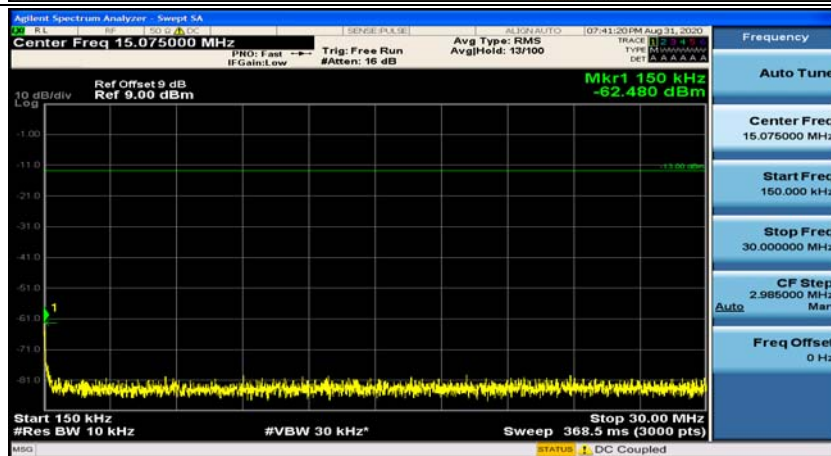
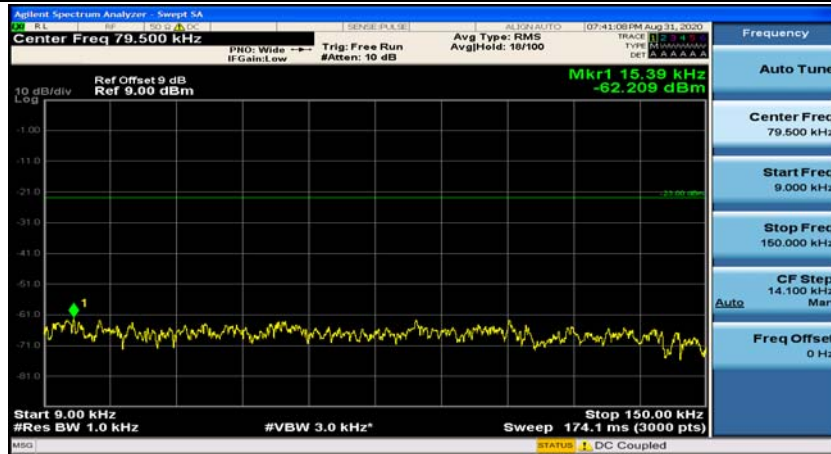


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

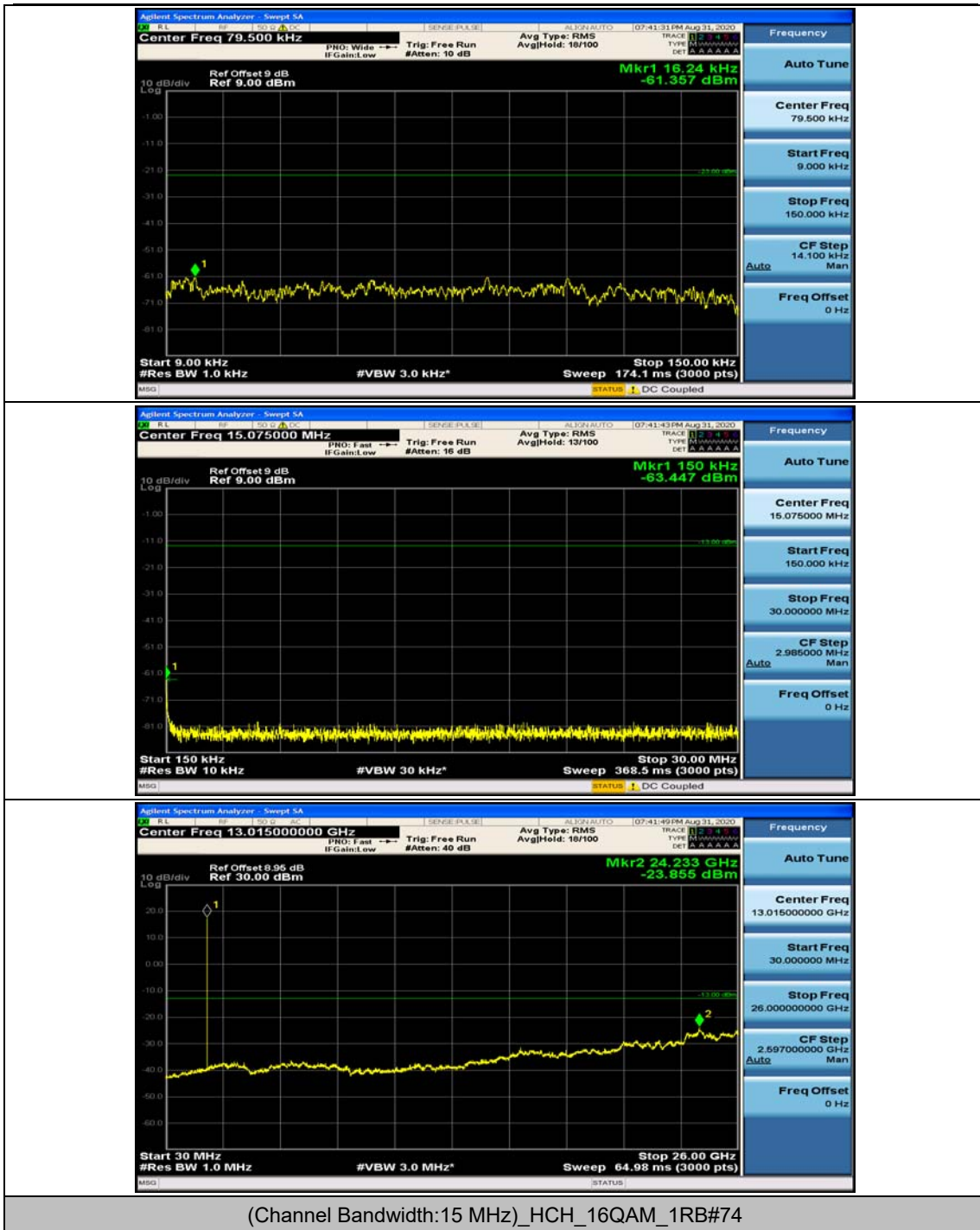


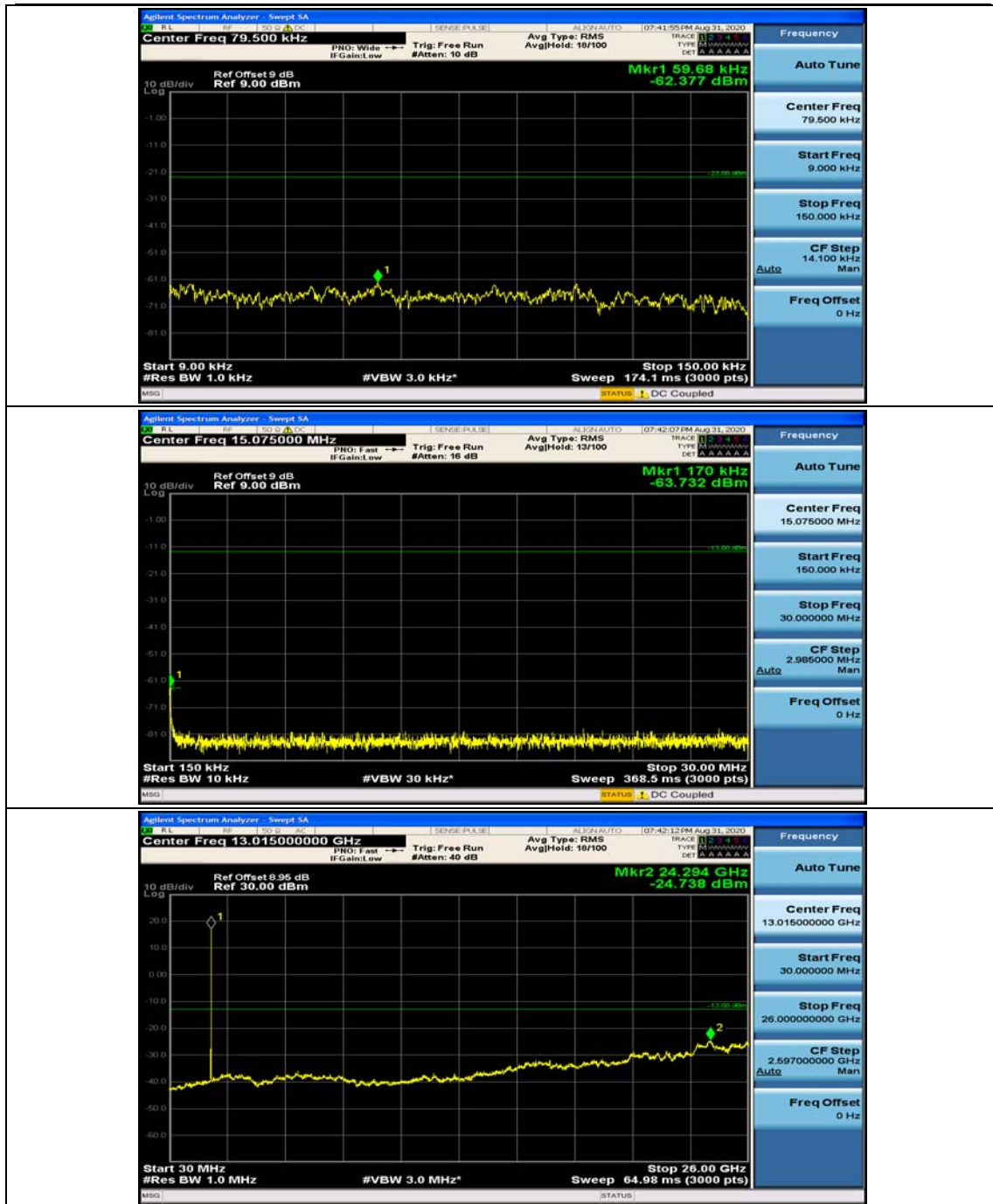


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

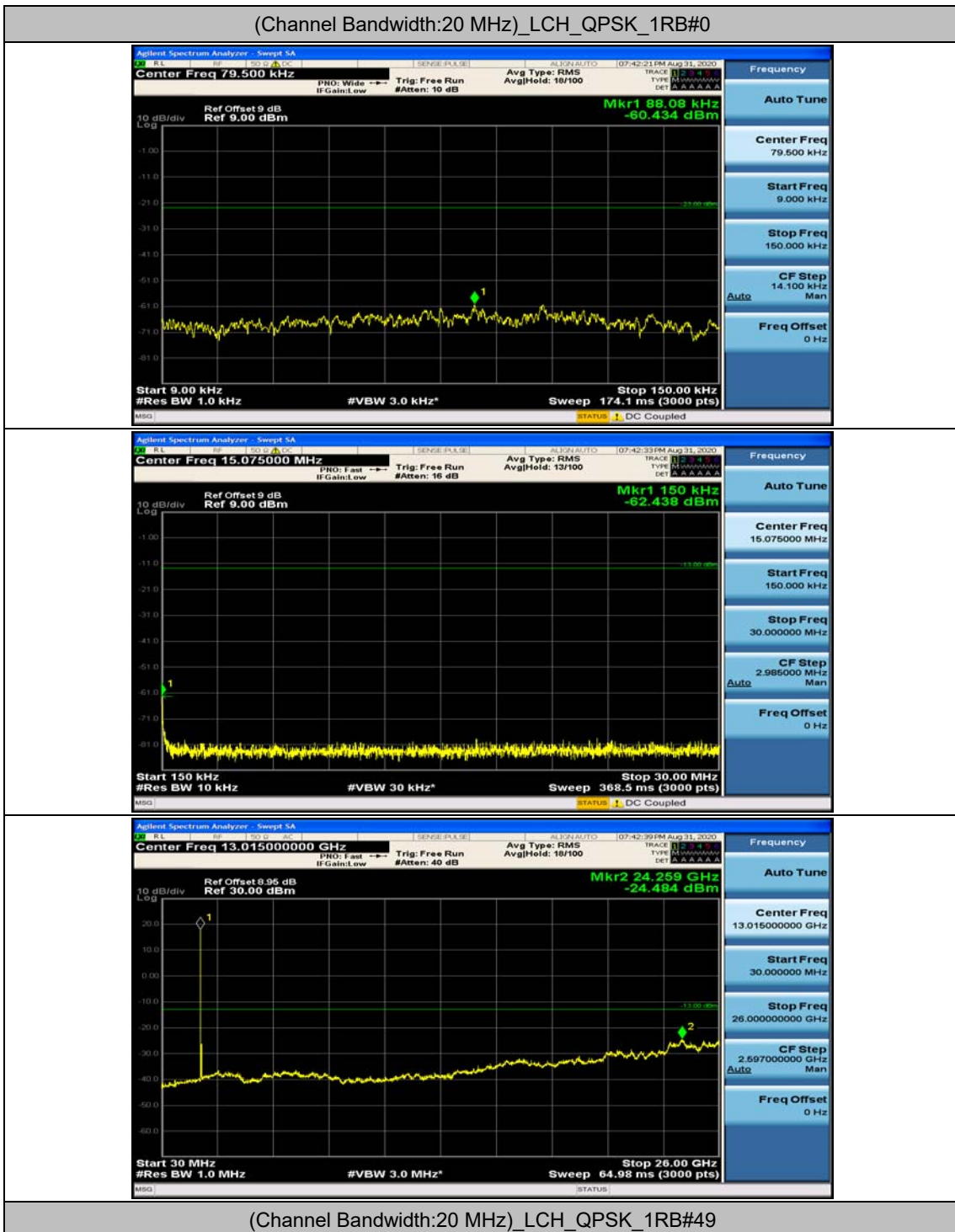


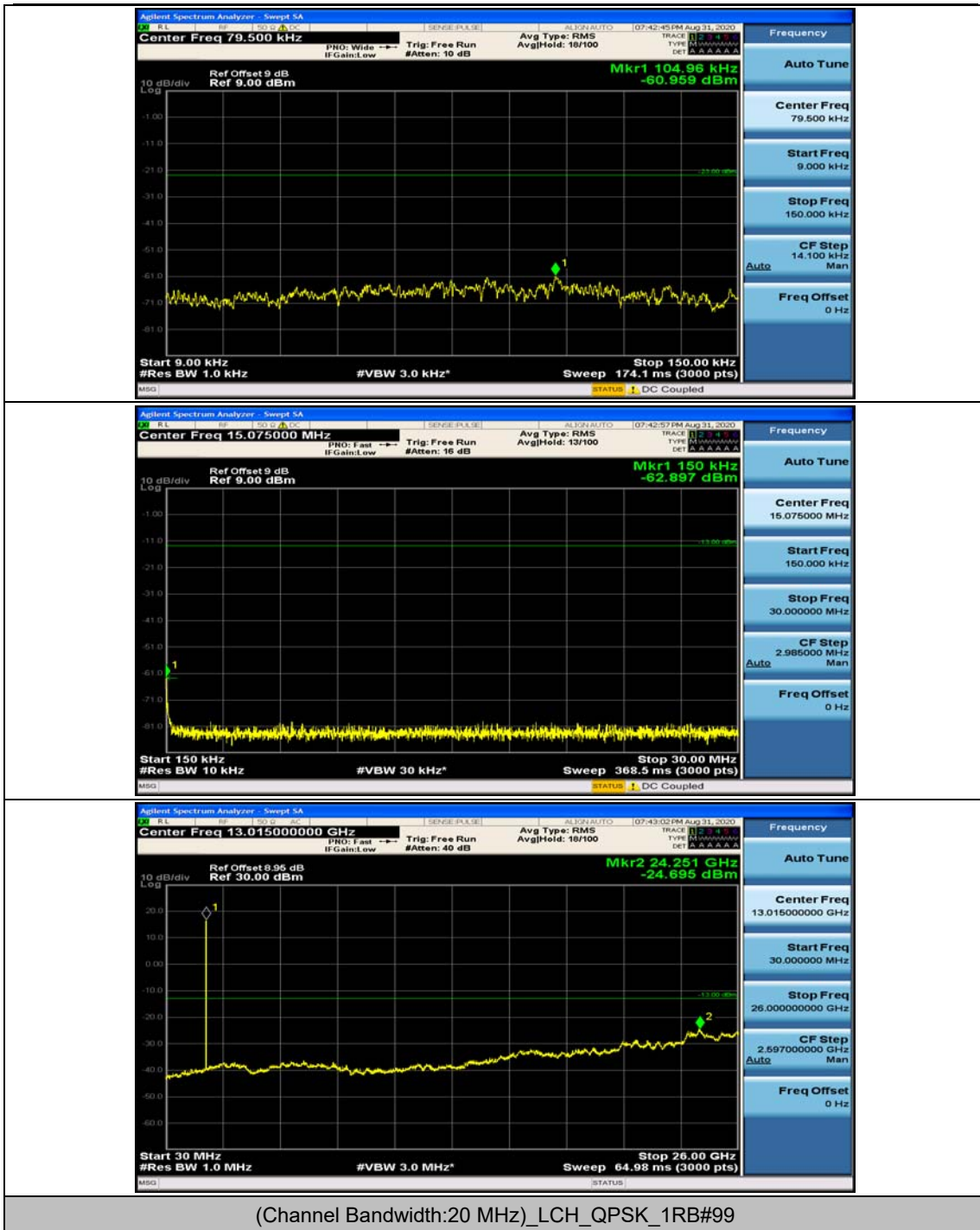
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

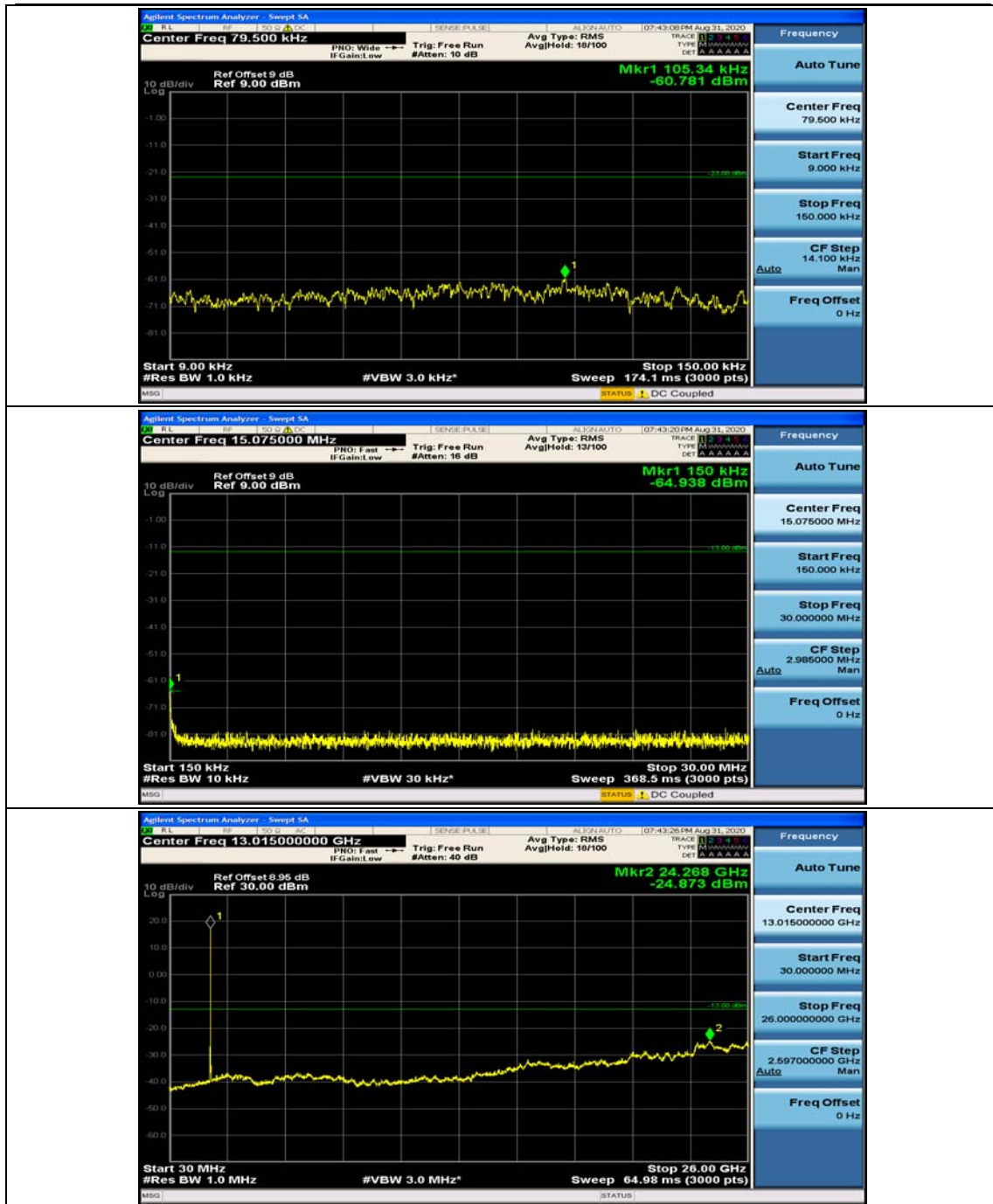


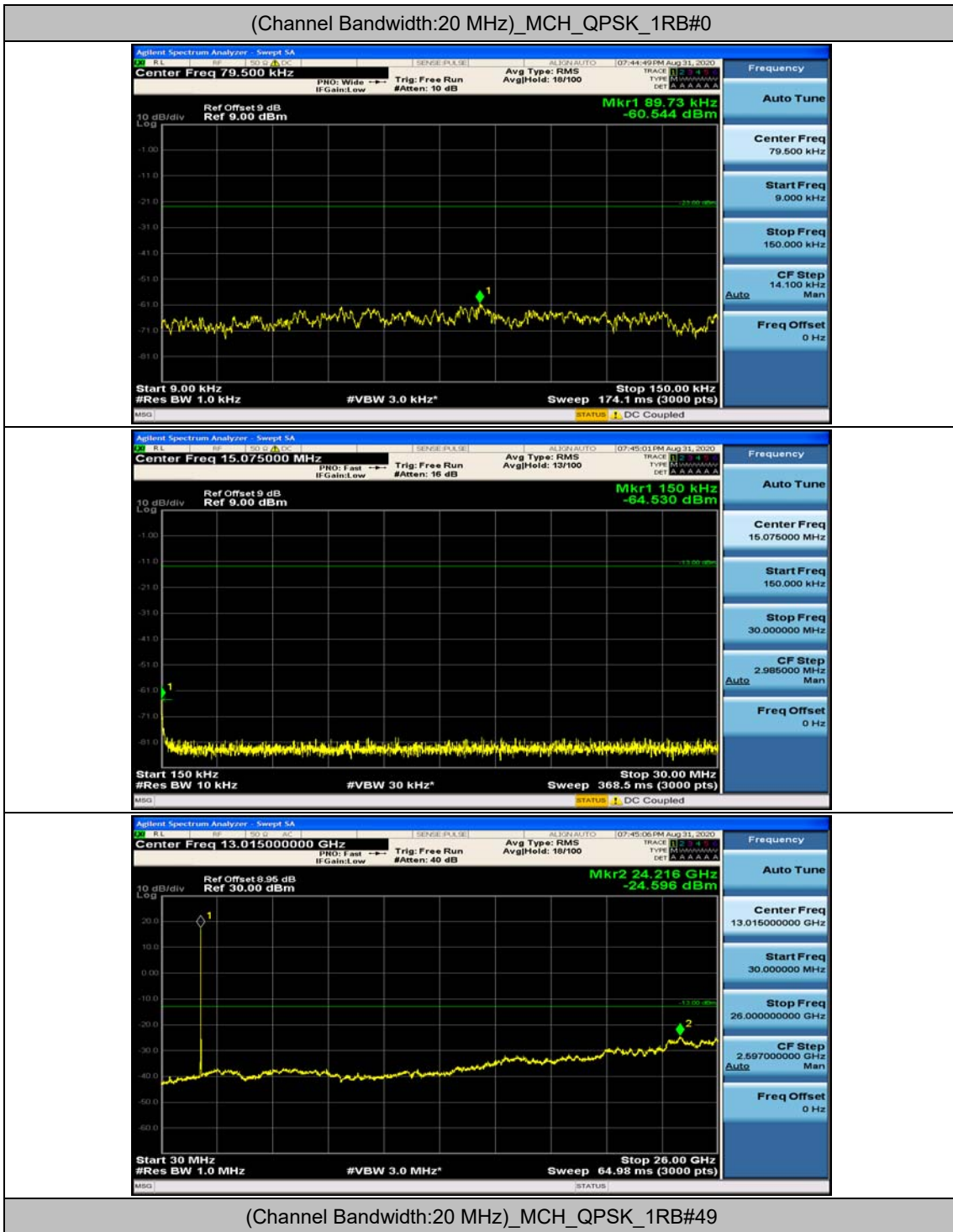


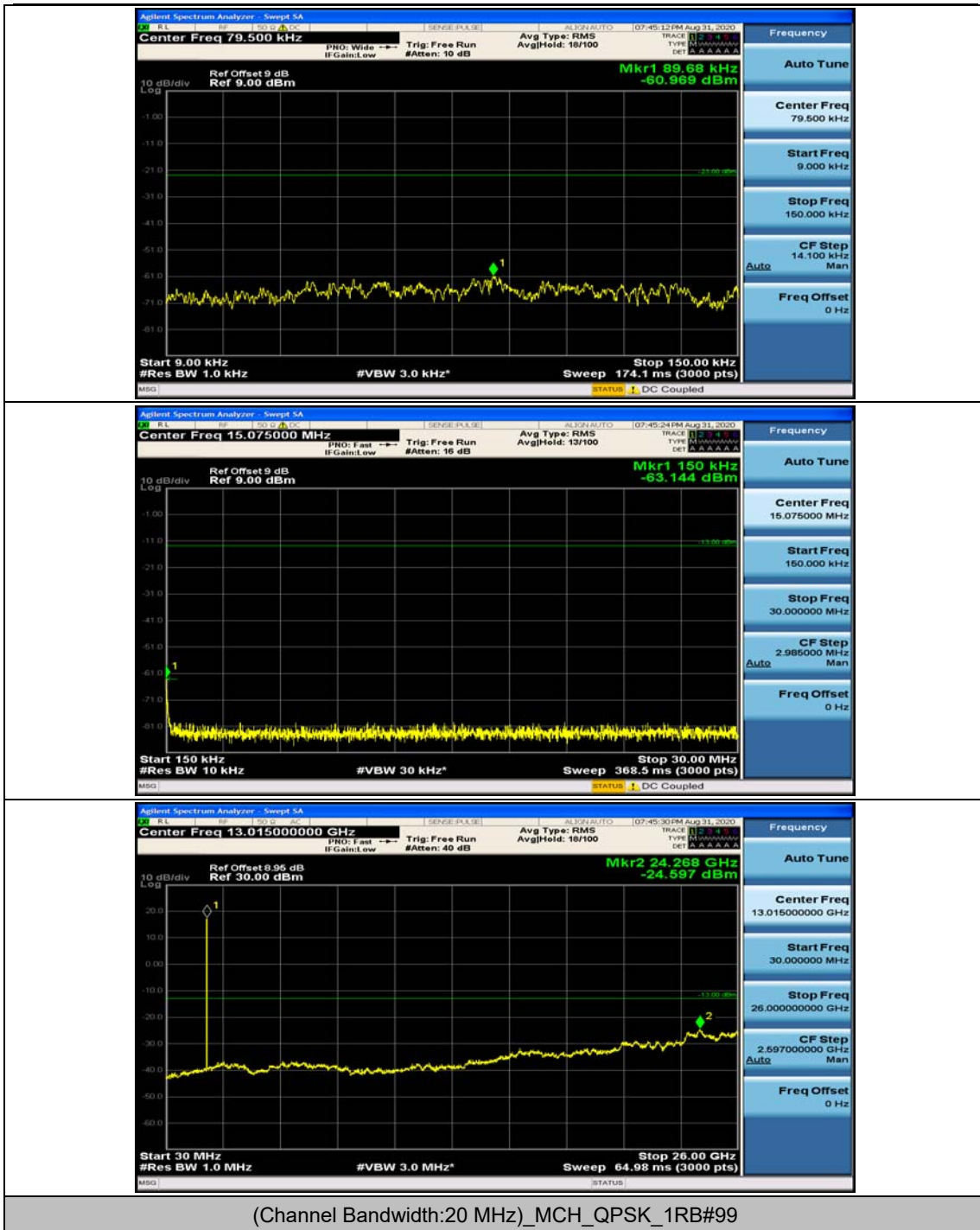
Channel Bandwidth: 20 MHz

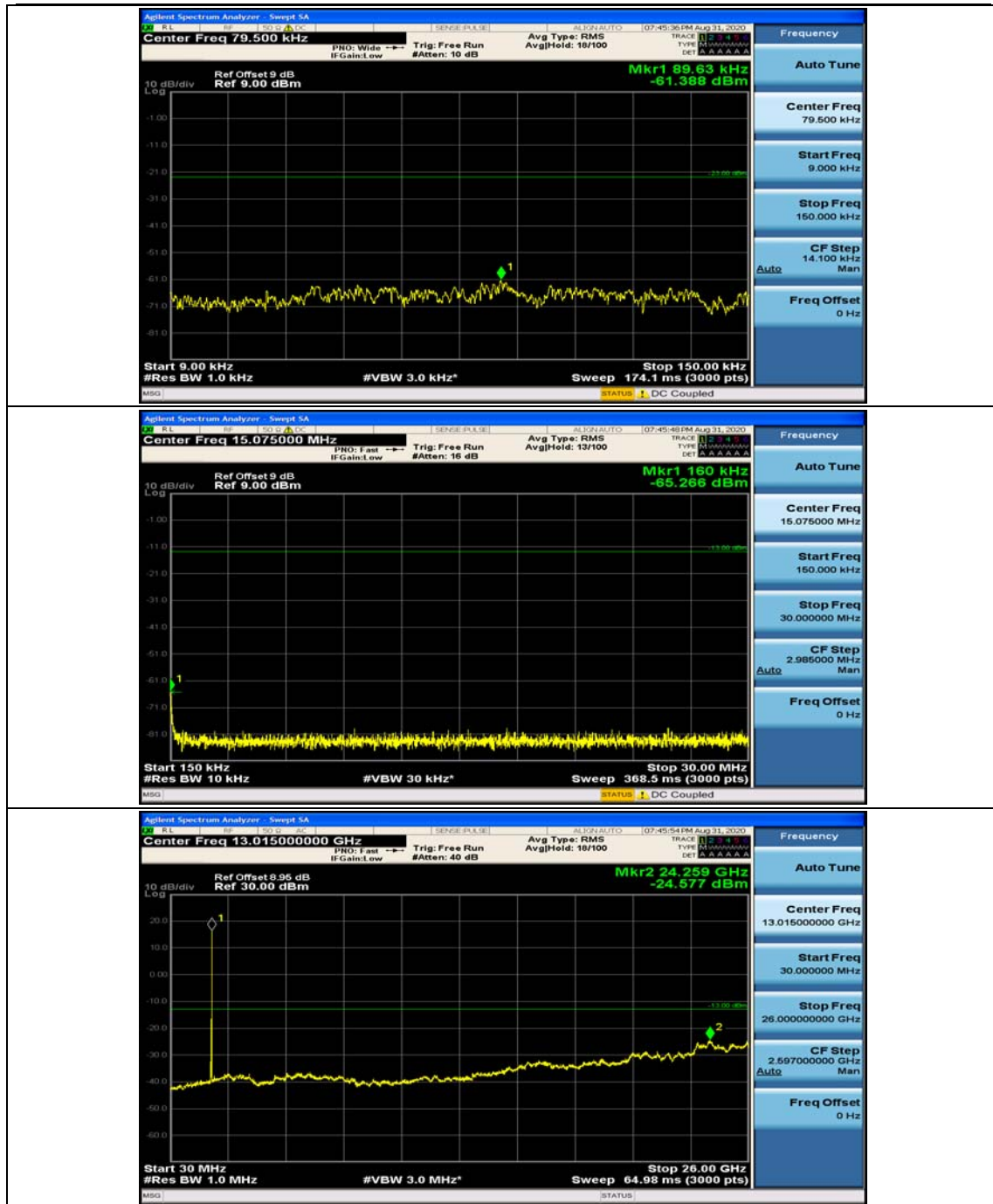




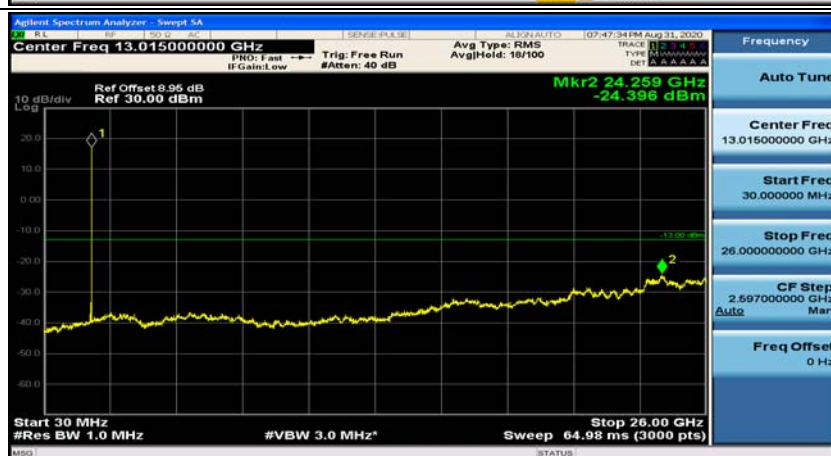
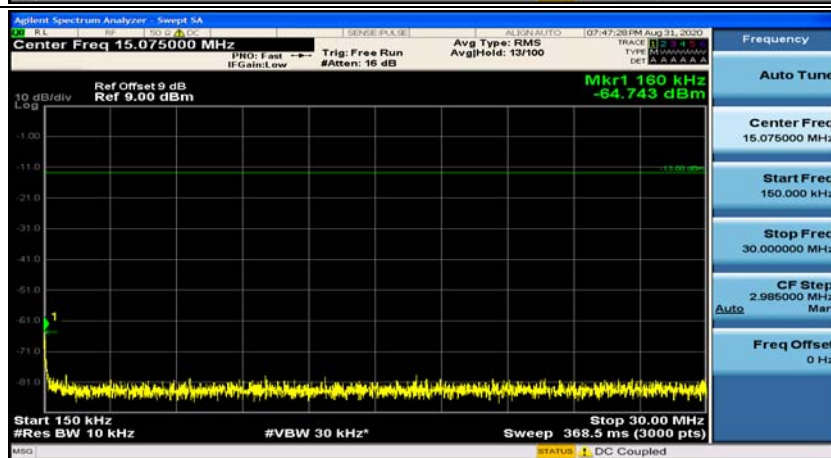
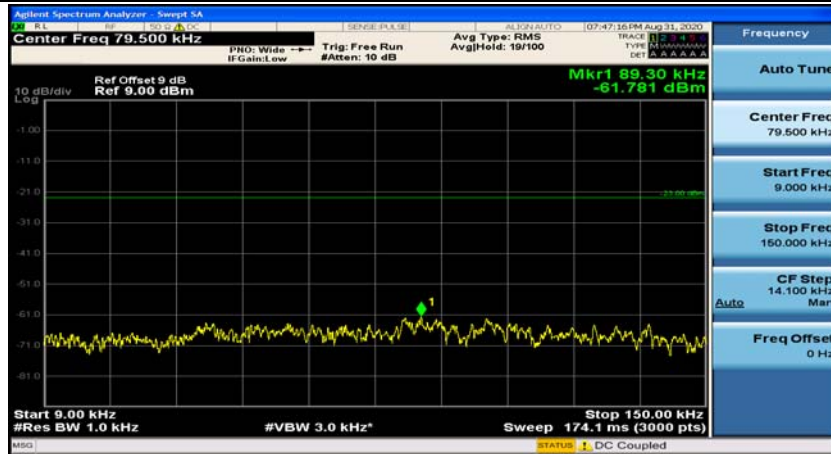




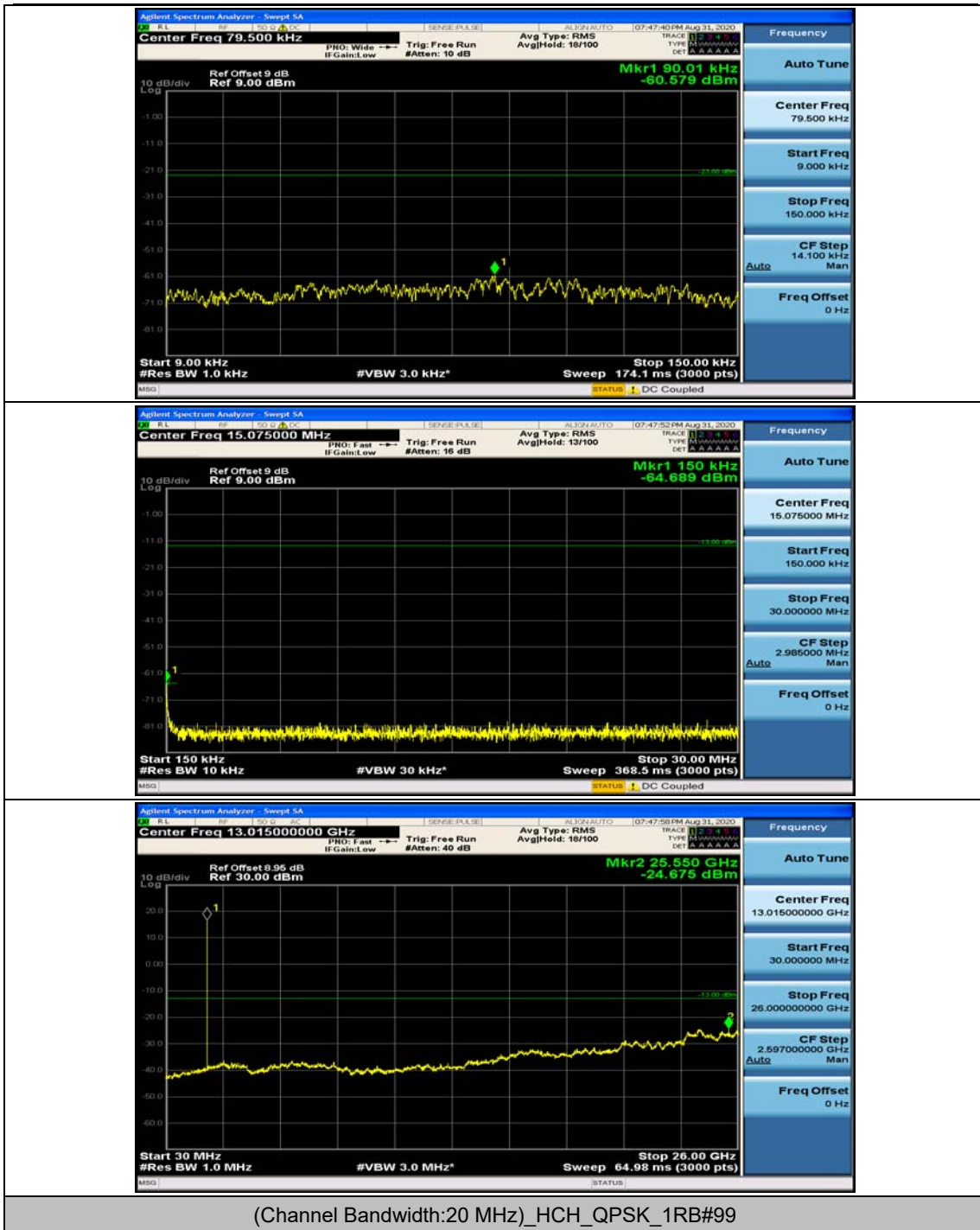


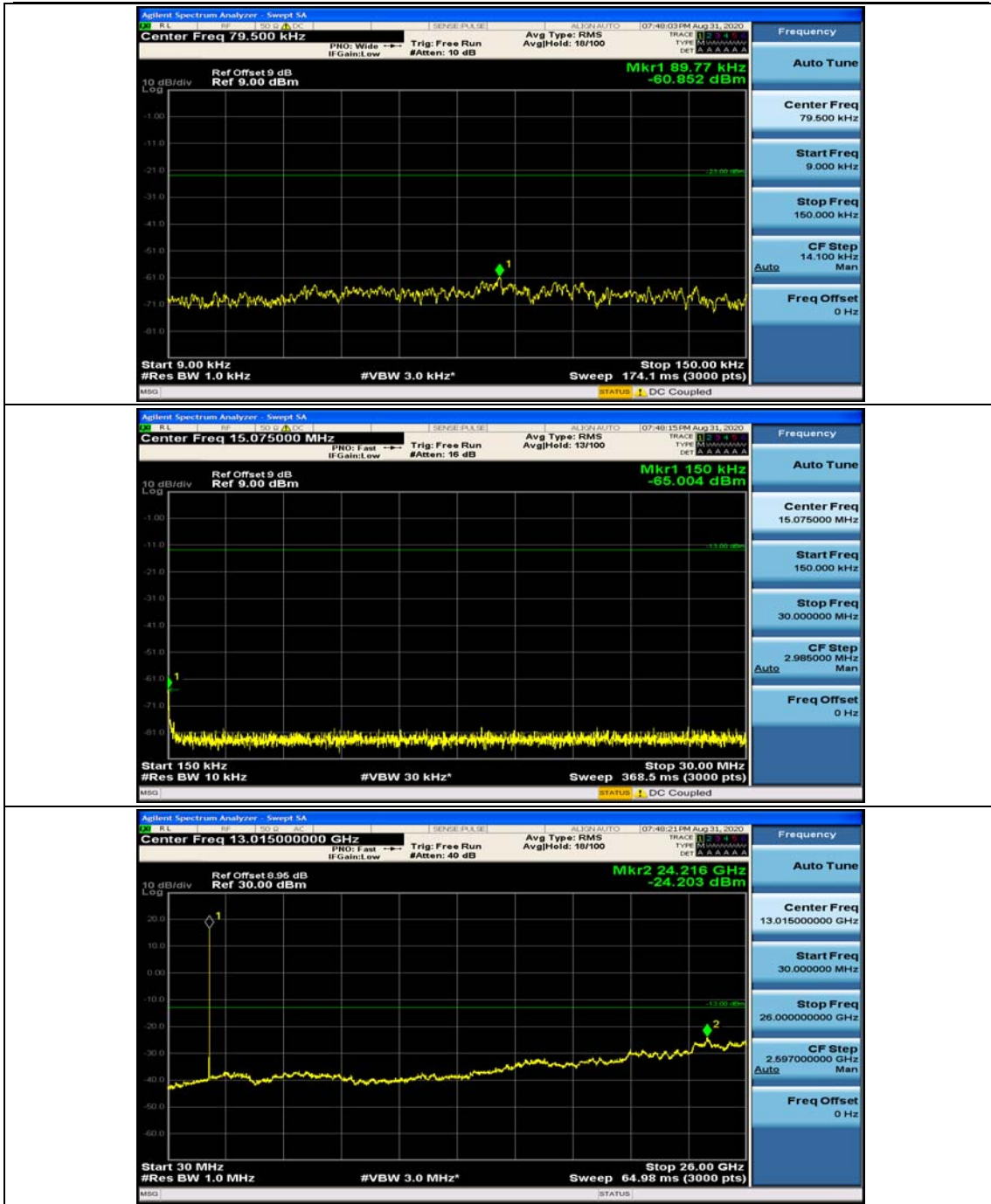


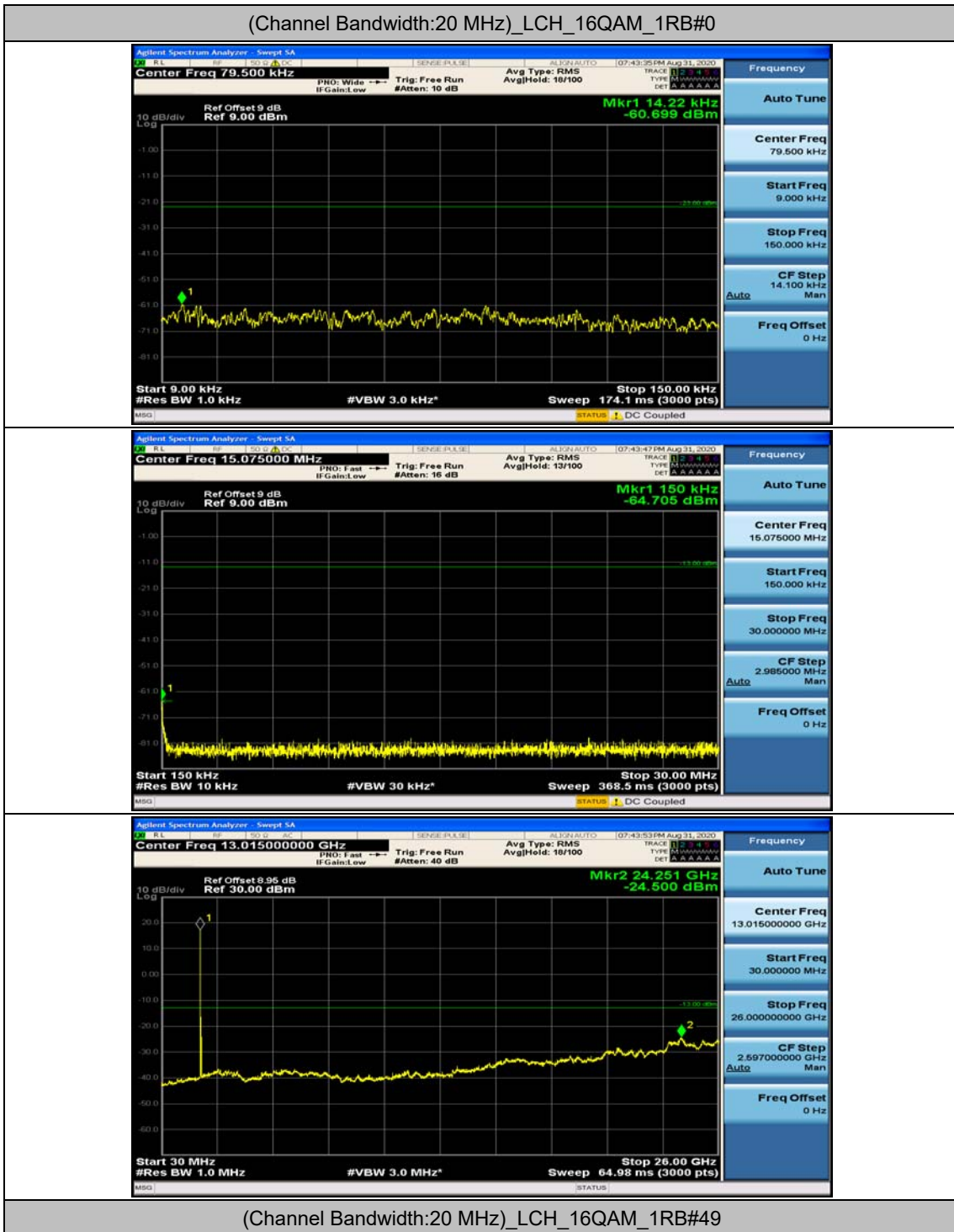
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

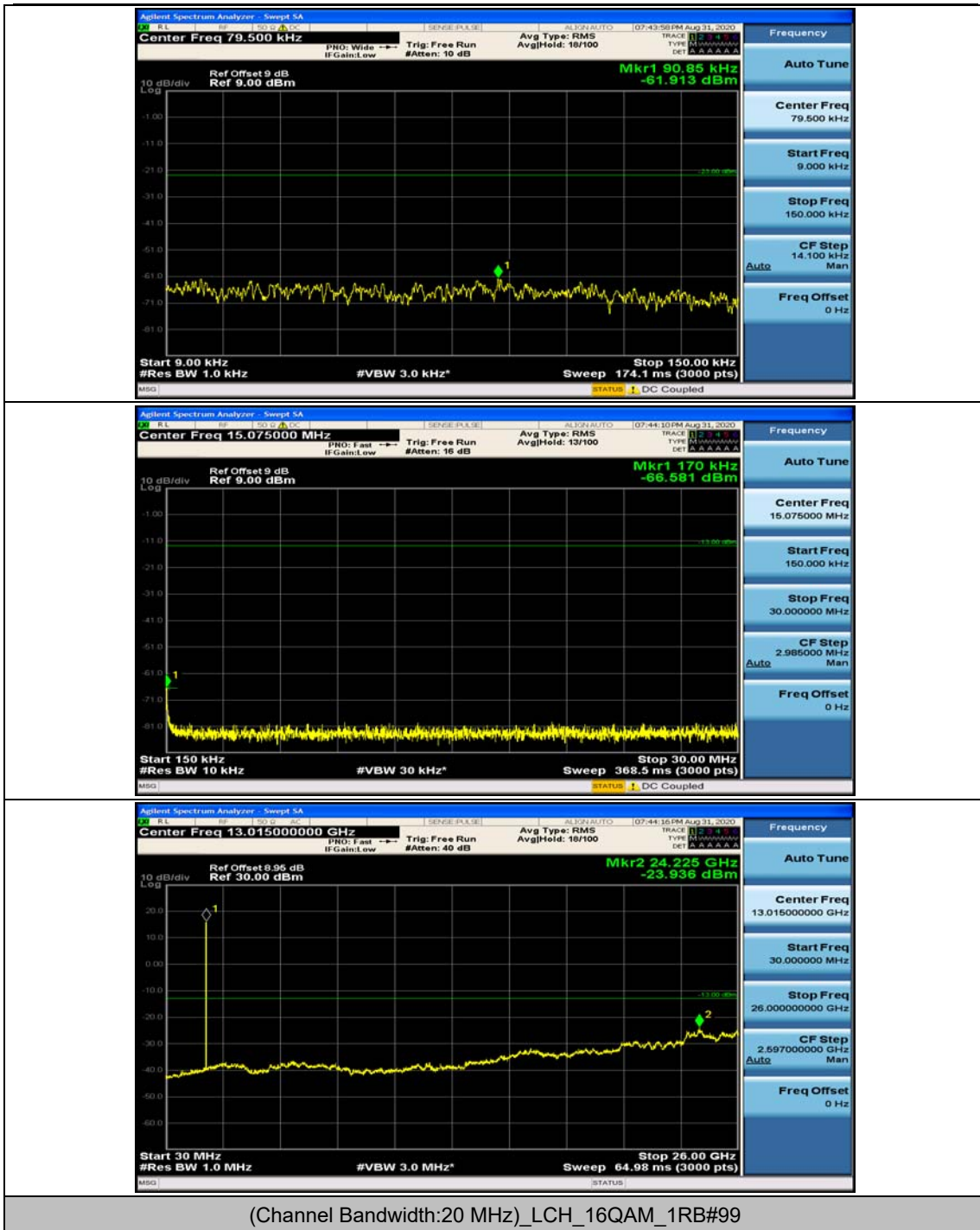


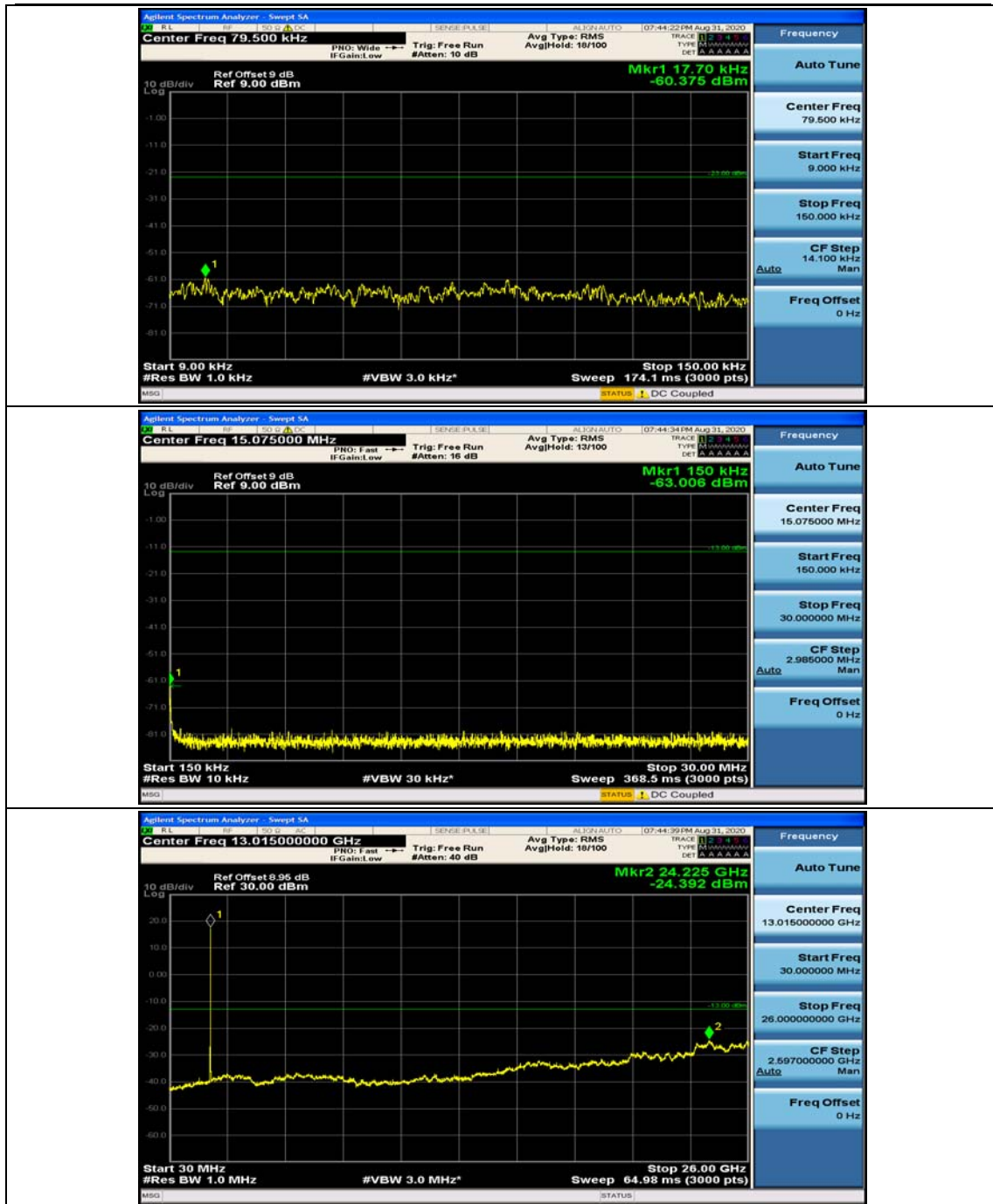
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

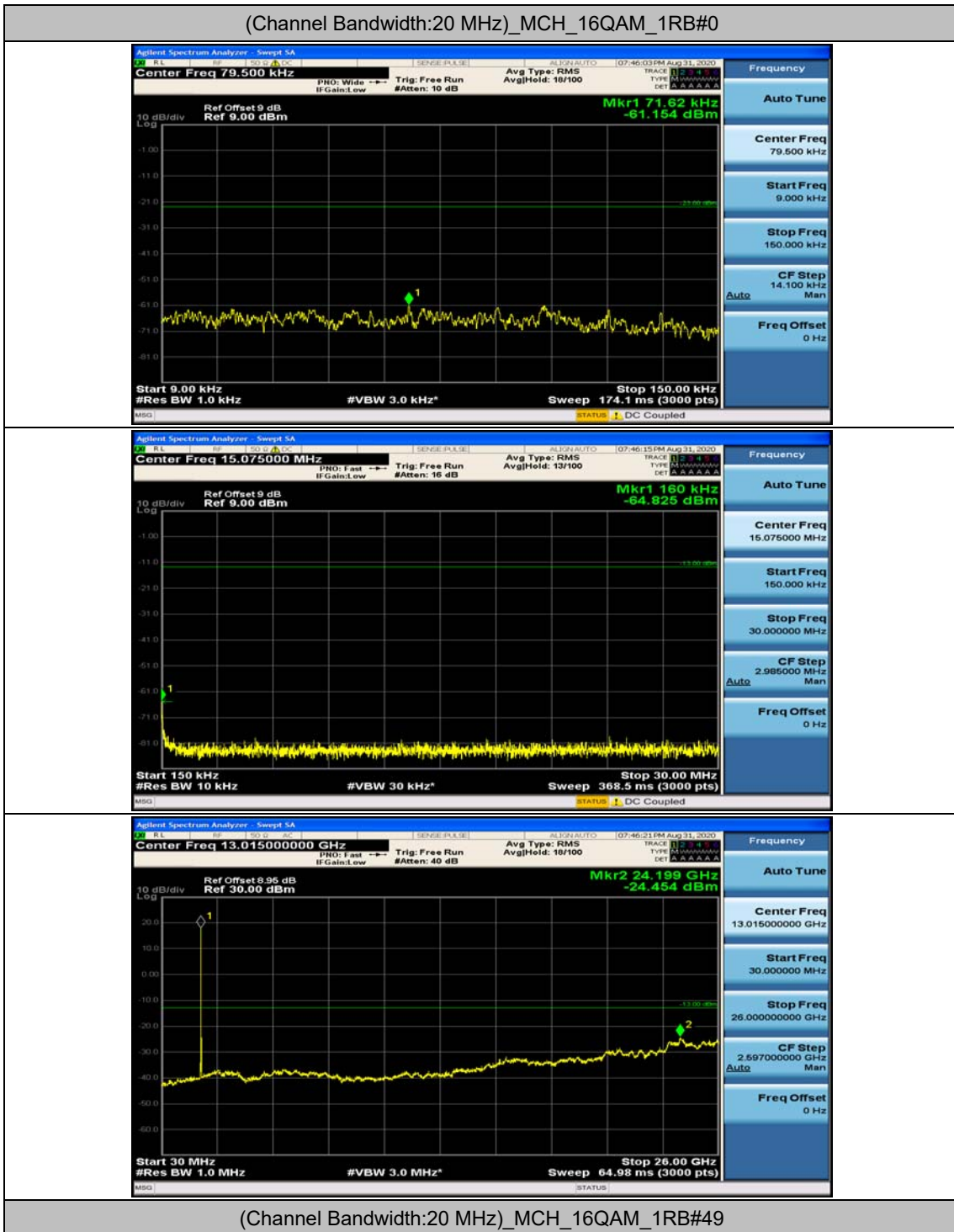


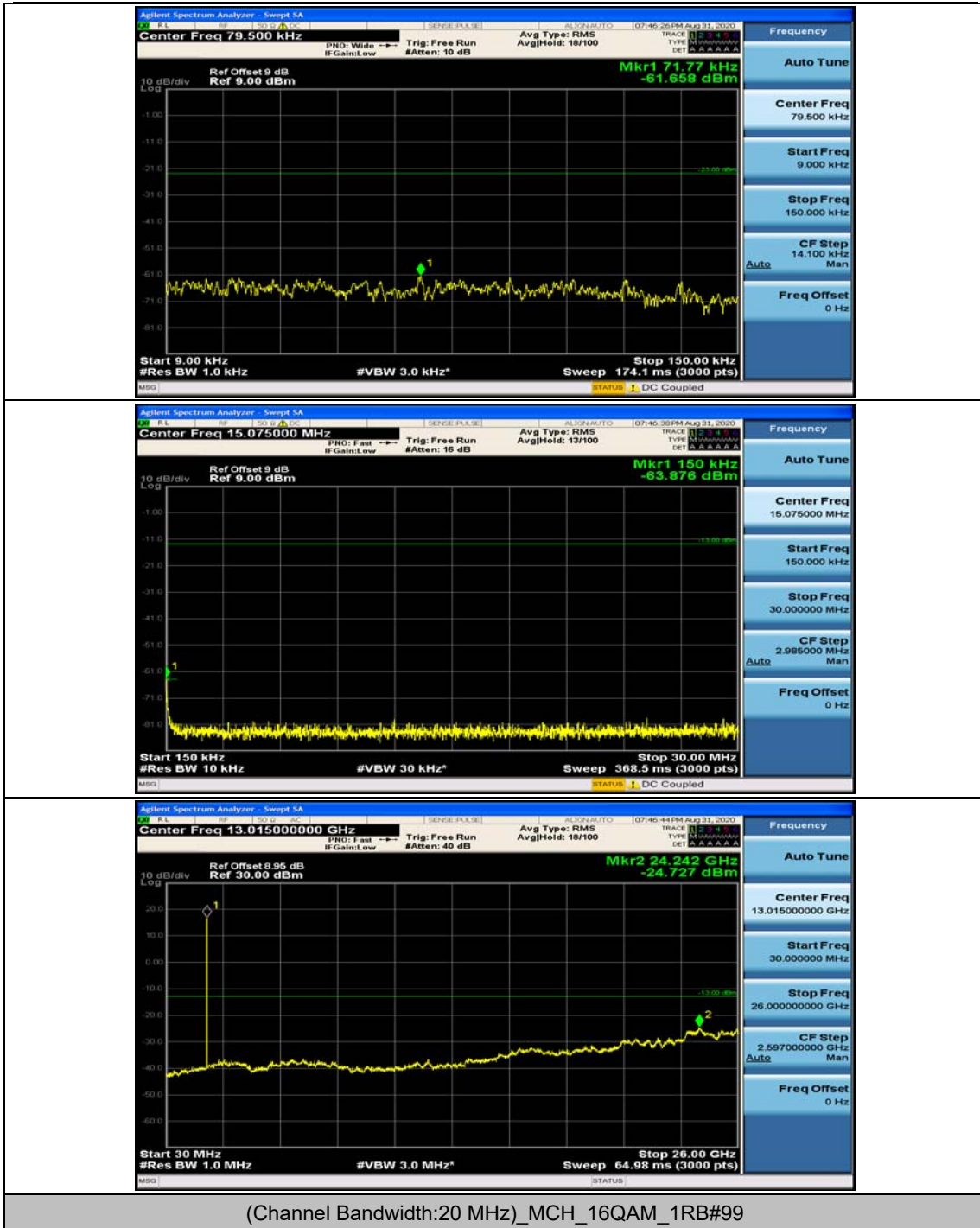


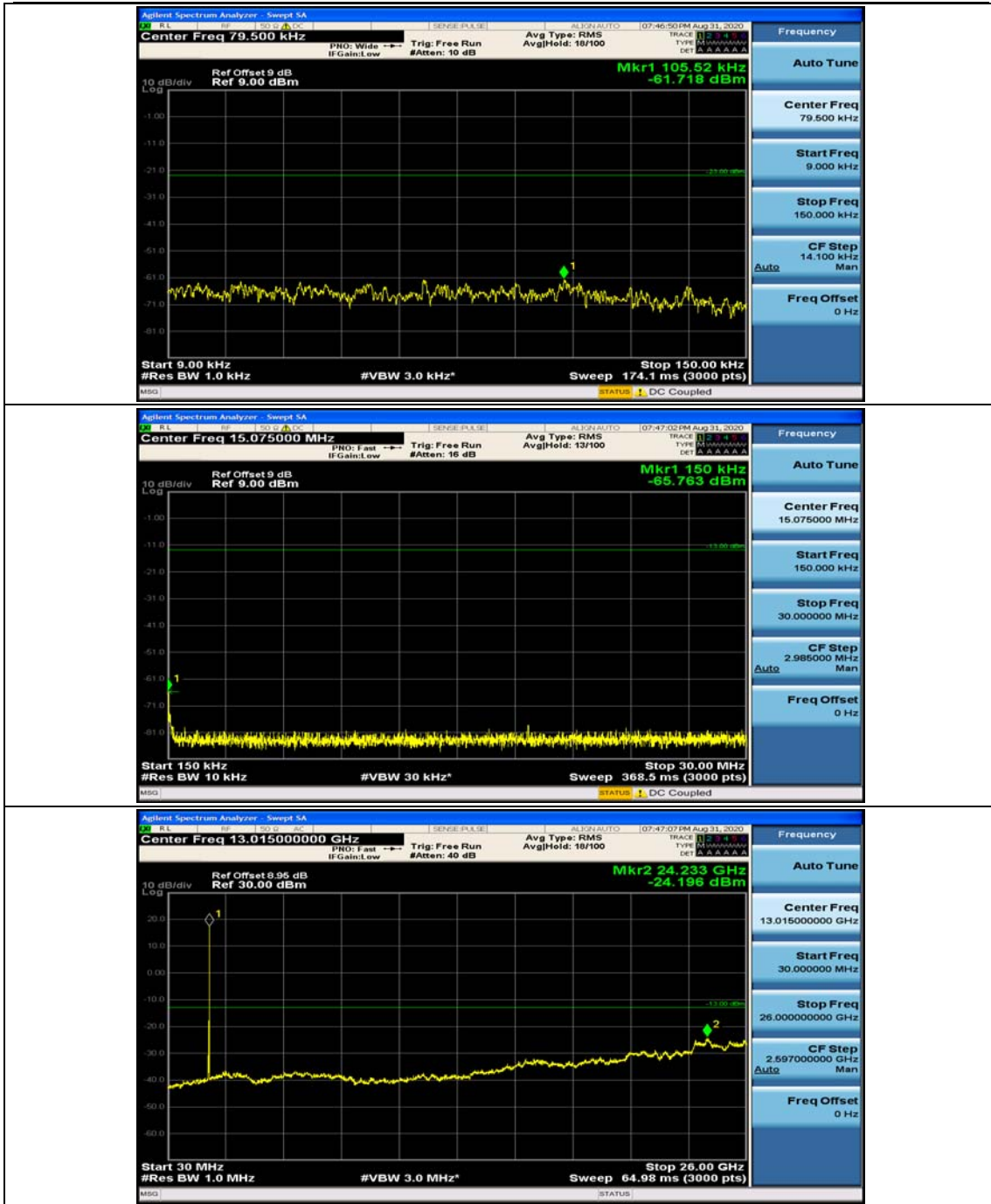


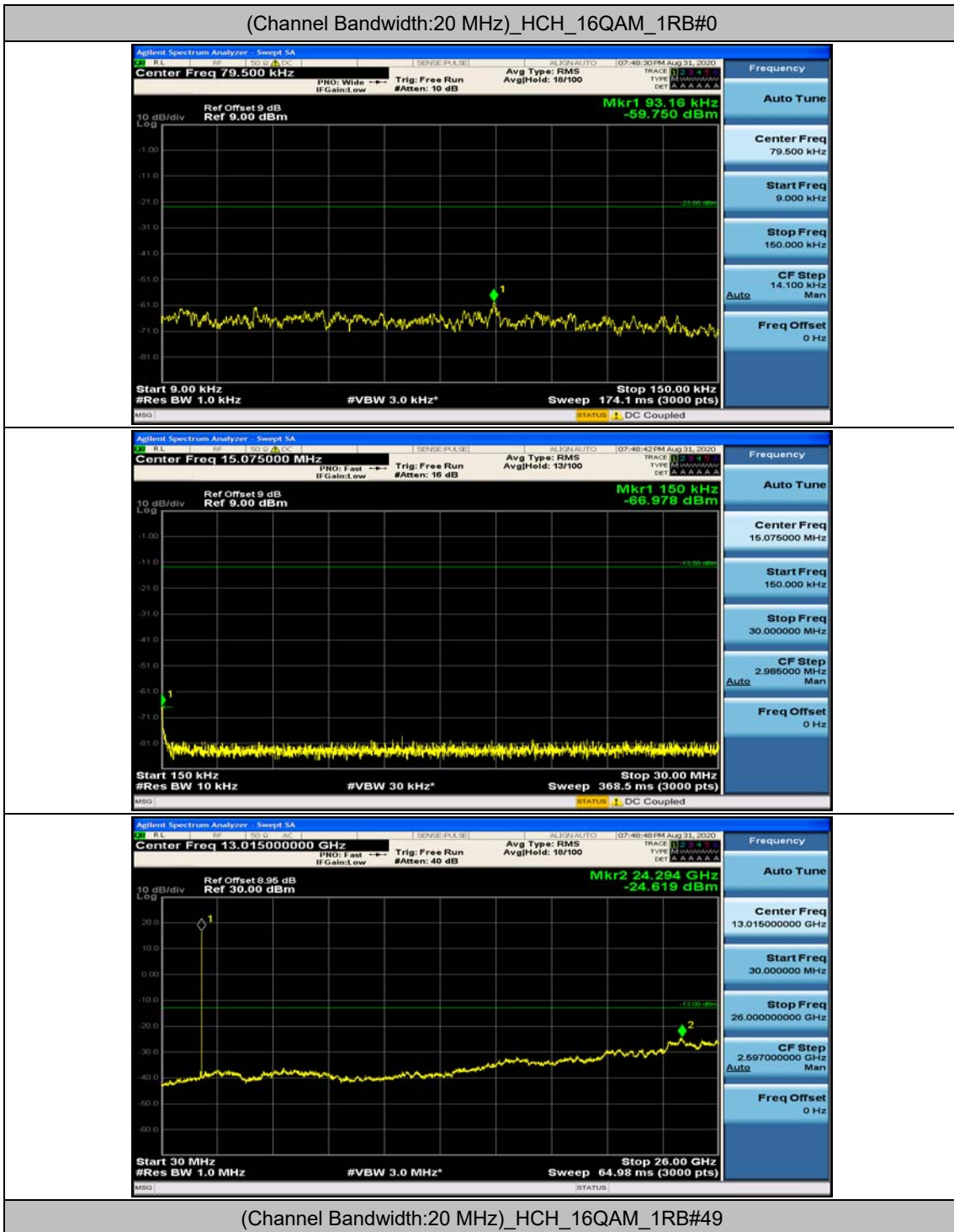


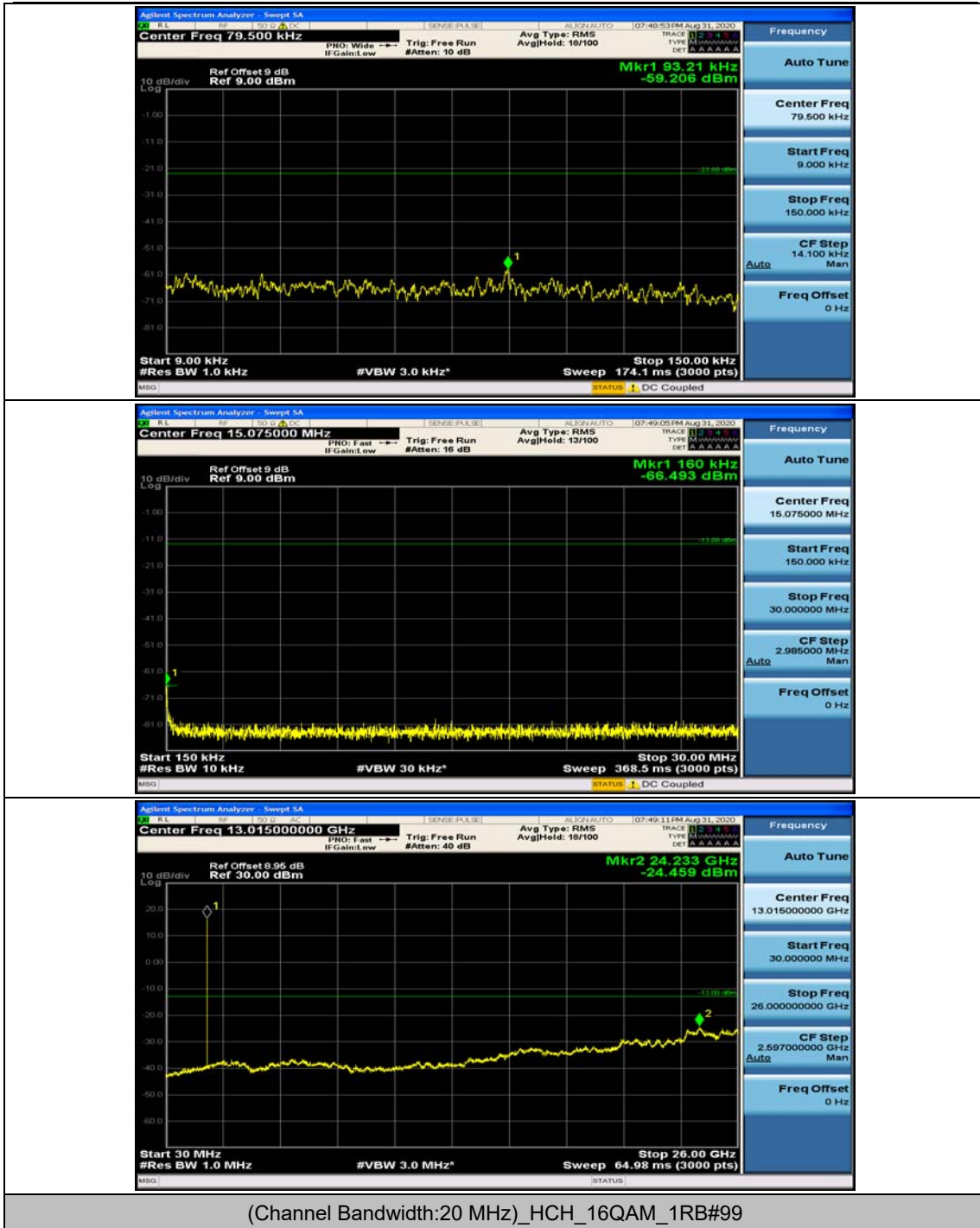


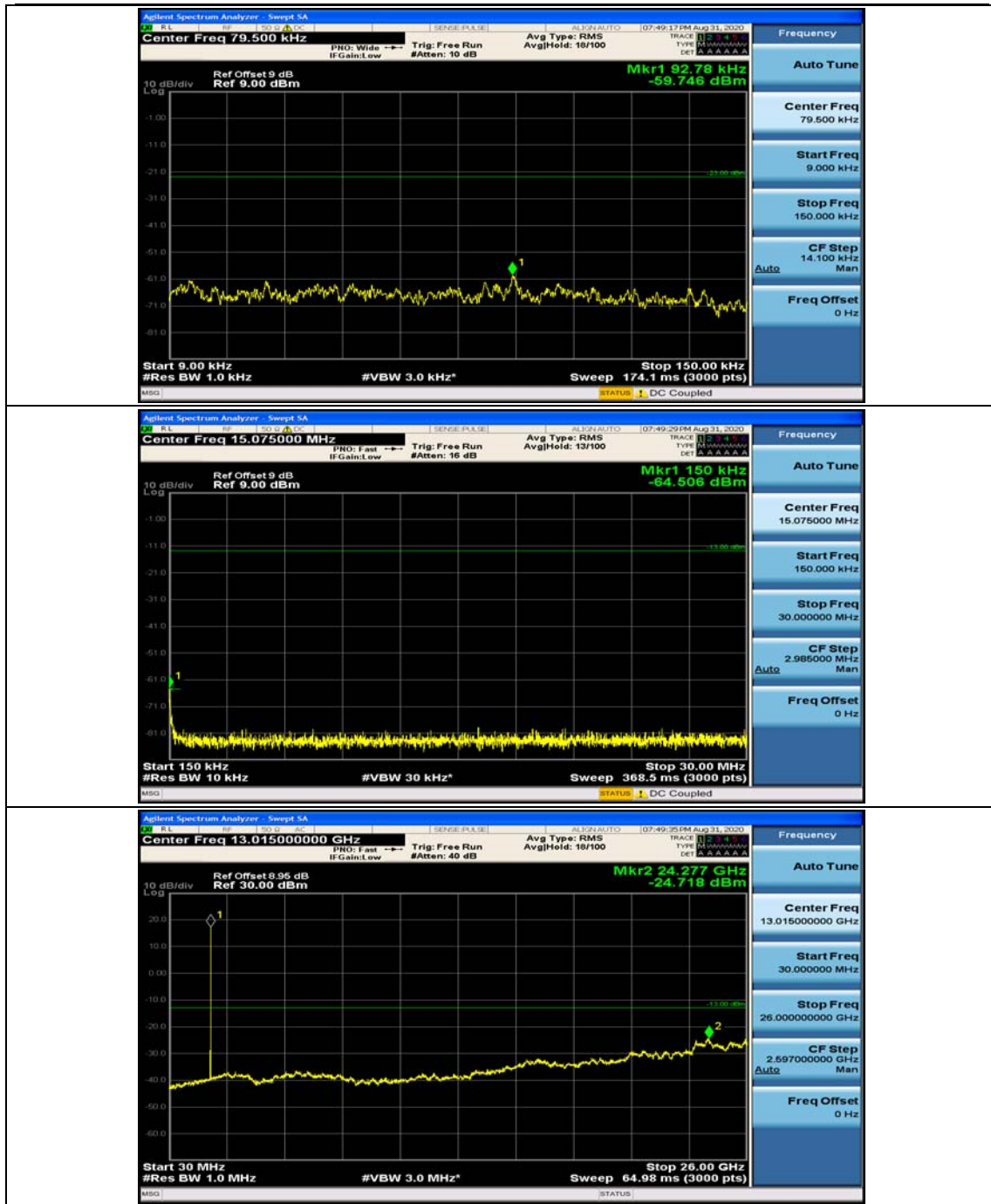












Appendix F: Frequency Stability

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	-1.83	-0.000989	± 2.5	PASS
		VN	TN	1.63	0.000881	± 2.5	PASS
		VH	TN	4.12	0.002226	± 2.5	PASS
	MCH	VL	TN	-1.18	-0.000628	± 2.5	PASS
		VN	TN	3.31	0.001761	± 2.5	PASS
		VH	TN	3.43	0.001824	± 2.5	PASS
	HCH	VL	TN	3.19	0.001671	± 2.5	PASS
		VN	TN	0.24	0.000126	± 2.5	PASS
		VH	TN	-0.32	-0.000168	± 2.5	PASS
16QAM	LCH	VL	TN	0.31	0.000168	± 2.5	PASS
		VN	TN	-0.99	-0.000535	± 2.5	PASS
		VH	TN	2.09	0.001129	± 2.5	PASS
	MCH	VL	TN	0.48	0.000255	± 2.5	PASS
		VN	TN	-0.81	-0.000431	± 2.5	PASS
		VH	TN	1.05	0.000559	± 2.5	PASS
	HCH	VL	TN	1.97	0.001032	± 2.5	PASS
		VN	TN	0.01	0.000005	± 2.5	PASS
		VH	TN	0.83	0.000435	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.02	-0.000011	± 2.5	PASS
		VN	-20	-1.89	-0.001021	± 2.5	PASS
		VN	-10	-0.4	-0.000216	± 2.5	PASS
		VN	0	4.88	0.002637	± 2.5	PASS
		VN	10	4.61	0.002491	± 2.5	PASS
		VN	20	-1.71	-0.000924	± 2.5	PASS
		VN	30	1.88	0.001016	± 2.5	PASS
		VN	40	4.86	0.002626	± 2.5	PASS
		VN	50	0.75	0.000405	± 2.5	PASS

	MCH	VN	-30	-1.99	-0.001059	± 2.5	PASS
		VN	-20	0.5	0.000266	± 2.5	PASS
		VN	-10	3.54	0.001883	± 2.5	PASS
		VN	0	-0.25	-0.000133	± 2.5	PASS
		VN	10	1.93	0.001027	± 2.5	PASS
		VN	20	-0.99	-0.000527	± 2.5	PASS
		VN	30	-1.41	-0.000750	± 2.5	PASS
		VN	40	-0.75	-0.000399	± 2.5	PASS
		VN	50	0.93	0.000495	± 2.5	PASS
	HCH	VN	-30	-0.9	-0.000471	± 2.5	PASS
		VN	-20	4.99	0.002614	± 2.5	PASS
		VN	-10	0.44	0.000230	± 2.5	PASS
		VN	0	4.07	0.002132	± 2.5	PASS
		VN	10	0.13	0.000068	± 2.5	PASS
		VN	20	-0.33	-0.000173	± 2.5	PASS
		VN	30	4.72	0.002472	± 2.5	PASS
		VN	40	-1.4	-0.000733	± 2.5	PASS
		VN	50	-0.47	-0.000246	± 2.5	PASS
16QAM	LCH	VN	-30	4.46	0.002410	± 2.5	PASS
		VN	-20	4.51	0.002437	± 2.5	PASS
		VN	-10	1.89	0.001021	± 2.5	PASS
		VN	0	4.34	0.002345	± 2.5	PASS
		VN	10	3.93	0.002124	± 2.5	PASS
		VN	20	4.29	0.002318	± 2.5	PASS
		VN	30	2.59	0.001399	± 2.5	PASS
		VN	40	2.1	0.001135	± 2.5	PASS
		VN	50	4.6	0.002486	± 2.5	PASS
	MCH	VN	-30	-1.03	-0.000548	± 2.5	PASS
		VN	-20	3.95	0.002101	± 2.5	PASS
		VN	-10	3.69	0.001963	± 2.5	PASS
		VN	0	-0.29	-0.000154	± 2.5	PASS
		VN	10	0.19	0.000101	± 2.5	PASS
		VN	20	2.95	0.001569	± 2.5	PASS
		VN	30	3.52	0.001872	± 2.5	PASS
		VN	40	3.93	0.002090	± 2.5	PASS
		VN	50	-1.55	-0.000824	± 2.5	PASS
	HCH	VN	-30	2.89	0.001514	± 2.5	PASS
		VN	-20	0.02	0.000010	± 2.5	PASS
		VN	-10	1.04	0.000545	± 2.5	PASS
		VN	0	0.11	0.000058	± 2.5	PASS
		VN	10	2.84	0.001487	± 2.5	PASS

		VN	20	3.81	0.001995	± 2.5	PASS
		VN	30	-1.31	-0.000686	± 2.5	PASS
		VN	40	0.34	0.000178	± 2.5	PASS
		VN	50	3.92	0.002053	± 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	2.28	0.001231	± 2.5	PASS
		VN	TN	1.82	0.000983	± 2.5	PASS
		VH	TN	4.51	0.002436	± 2.5	PASS
	MCH	VL	TN	1.01	0.000537	± 2.5	PASS
		VN	TN	0.86	0.000457	± 2.5	PASS
		VH	TN	4.76	0.002532	± 2.5	PASS
	HCH	VL	TN	-1.46	-0.000765	± 2.5	PASS
		VN	TN	0.23	0.000121	± 2.5	PASS
		VH	TN	-1.71	-0.000896	± 2.5	PASS
16QAM	LCH	VL	TN	3.23	0.001745	± 2.5	PASS
		VN	TN	3.01	0.001626	± 2.5	PASS
		VH	TN	1.26	0.000681	± 2.5	PASS
	MCH	VL	TN	0.86	0.000457	± 2.5	PASS
		VN	TN	3.55	0.001888	± 2.5	PASS
		VH	TN	4.76	0.002532	± 2.5	PASS
	HCH	VL	TN	1.02	0.000534	± 2.5	PASS
		VN	TN	3.55	0.001860	± 2.5	PASS
		VH	TN	-1.84	-0.000964	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.23	-0.000124	± 2.5	PASS
		VN	-20	0.08	0.000043	± 2.5	PASS
		VN	-10	3.83	0.002069	± 2.5	PASS
		VN	0	4.29	0.002317	± 2.5	PASS
		VN	10	-1.98	-0.001069	± 2.5	PASS
		VN	20	4.48	0.002420	± 2.5	PASS
		VN	30	3.62	0.001955	± 2.5	PASS
		VN	40	0.09	0.000049	± 2.5	PASS
		VN	50	2.14	0.001156	± 2.5	PASS
	MCH	VN	-30	-0.48	-0.000255	± 2.5	PASS

	VN	VN	-20	-0.54	-0.000287	± 2.5	PASS
		VN	-10	4.43	0.002356	± 2.5	PASS
		VN	0	1.91	0.001016	± 2.5	PASS
		VN	10	4.7	0.002500	± 2.5	PASS
		VN	20	4.41	0.002346	± 2.5	PASS
		VN	30	3.9	0.002074	± 2.5	PASS
		VN	40	4.93	0.002622	± 2.5	PASS
		VN	50	1.26	0.000670	± 2.5	PASS
	HCH	VN	-30	1.74	0.000912	± 2.5	PASS
		VN	-20	-0.06	-0.000031	± 2.5	PASS
		VN	-10	-1.51	-0.000791	± 2.5	PASS
		VN	0	3.25	0.001703	± 2.5	PASS
		VN	10	-0.44	-0.000231	± 2.5	PASS
		VN	20	0.27	0.000141	± 2.5	PASS
		VN	30	2.66	0.001394	± 2.5	PASS
		VN	40	-1.93	-0.001011	± 2.5	PASS
		VN	50	0.51	0.000267	± 2.5	PASS
		16QAM	LCH	VN	-30	0.16	0.000086
VN	-20			0.64	0.000346	± 2.5	PASS
VN	-10			3	0.001620	± 2.5	PASS
VN	0			0.06	0.000032	± 2.5	PASS
VN	10			4.19	0.002263	± 2.5	PASS
VN	20			1.43	0.000772	± 2.5	PASS
VN	30			0.33	0.000178	± 2.5	PASS
VN	40			2.57	0.001388	± 2.5	PASS
VN	50			-0.44	-0.000238	± 2.5	PASS
MCH	VN		-30	3.05	0.001622	± 2.5	PASS
	VN		-20	-0.76	-0.000404	± 2.5	PASS
	VN		-10	4.13	0.002197	± 2.5	PASS
	VN		0	3.59	0.001910	± 2.5	PASS
	VN		10	-0.05	-0.000027	± 2.5	PASS
	VN		20	3.48	0.001851	± 2.5	PASS
	VN		30	2.12	0.001128	± 2.5	PASS
	VN		40	0.33	0.000176	± 2.5	PASS
	VN		50	1.1	0.000585	± 2.5	PASS
HCH	VN		-30	0.24	0.000126	± 2.5	PASS
	VN		-20	0.02	0.000010	± 2.5	PASS
	VN		-10	2.25	0.001179	± 2.5	PASS
	VN		0	-1.56	-0.000817	± 2.5	PASS
	VN		10	-0.52	-0.000272	± 2.5	PASS
	VN		20	-0.38	-0.000199	± 2.5	PASS

		VN	30	3.15	0.001651	± 2.5	PASS
		VN	40	0.34	0.000178	± 2.5	PASS
		VN	50	4.77	0.002499	± 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	2.67	0.001441	± 2.5	PASS
		VN	TN	-1.29	-0.000696	± 2.5	PASS
		VH	TN	-1.63	-0.000880	± 2.5	PASS
	MCH	VL	TN	4.14	0.002202	± 2.5	PASS
		VN	TN	4.79	0.002548	± 2.5	PASS
		VH	TN	-1.87	-0.000995	± 2.5	PASS
	HCH	VL	TN	2.47	0.001295	± 2.5	PASS
		VN	TN	4.97	0.002606	± 2.5	PASS
		VH	TN	-0.52	-0.000273	± 2.5	PASS
16QAM	LCH	VL	TN	3.41	0.001841	± 2.5	PASS
		VN	TN	2.22	0.001198	± 2.5	PASS
		VH	TN	2.63	0.001420	± 2.5	PASS
	MCH	VL	TN	0.3	0.000160	± 2.5	PASS
		VN	TN	0.54	0.000287	± 2.5	PASS
		VH	TN	3.94	0.002096	± 2.5	PASS
	HCH	VL	TN	-0.26	-0.000136	± 2.5	PASS
		VN	TN	-0.76	-0.000398	± 2.5	PASS
		VH	TN	4.7	0.002464	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.89	-0.000480	± 2.5	PASS
		VN	-20	0.45	0.000243	± 2.5	PASS
		VN	-10	4.58	0.002472	± 2.5	PASS
		VN	0	2.76	0.001490	± 2.5	PASS
		VN	10	3.93	0.002121	± 2.5	PASS
		VN	20	4.8	0.002591	± 2.5	PASS
		VN	30	4.24	0.002289	± 2.5	PASS
		VN	40	3.66	0.001976	± 2.5	PASS
		VN	50	4.51	0.002435	± 2.5	PASS
	MCH	VN	-30	2.27	0.001207	± 2.5	PASS
		VN	-20	4.36	0.002319	± 2.5	PASS

		VN	-10	4.5	0.002394	± 2.5	PASS		
		VN	0	-0.28	-0.000149	± 2.5	PASS		
		VN	10	2.54	0.001351	± 2.5	PASS		
		VN	20	4.5	0.002394	± 2.5	PASS		
		VN	30	4.69	0.002495	± 2.5	PASS		
		VN	40	3.71	0.001973	± 2.5	PASS		
		VN	50	-1.23	-0.000654	± 2.5	PASS		
	HCH	VN	-30	1.02	0.000535	± 2.5	PASS		
		VN	-20	4.99	0.002616	± 2.5	PASS		
		VN	-10	1.8	0.000944	± 2.5	PASS		
		VN	0	-1.71	-0.000896	± 2.5	PASS		
		VN	10	4.34	0.002275	± 2.5	PASS		
		VN	20	2.47	0.001295	± 2.5	PASS		
		VN	30	2.46	0.001290	± 2.5	PASS		
		VN	40	0.18	0.000094	± 2.5	PASS		
		VN	50	4.19	0.002197	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.06	0.001652	± 2.5	PASS
				VN	-20	2.44	0.001317	± 2.5	PASS
VN	-10			3.98	0.002148	± 2.5	PASS		
VN	0			4.43	0.002391	± 2.5	PASS		
VN	10			3.95	0.002132	± 2.5	PASS		
VN	20			0.43	0.000232	± 2.5	PASS		
VN	30			4.29	0.002316	± 2.5	PASS		
VN	40			2.02	0.001090	± 2.5	PASS		
VN	50			0.94	0.000507	± 2.5	PASS		
MCH	VN		-30	-1.37	-0.000729	± 2.5	PASS		
	VN		-20	3.66	0.001947	± 2.5	PASS		
	VN		-10	0.93	0.000495	± 2.5	PASS		
	VN		0	1.39	0.000739	± 2.5	PASS		
	VN		10	4.95	0.002633	± 2.5	PASS		
	VN		20	4.51	0.002399	± 2.5	PASS		
	VN		30	2.75	0.001463	± 2.5	PASS		
	VN		40	4.07	0.002165	± 2.5	PASS		
	VN		50	-1.14	-0.000606	± 2.5	PASS		
HCH	VN		-30	-0.52	-0.000273	± 2.5	PASS		
	VN		-20	-1.74	-0.000912	± 2.5	PASS		
	VN		-10	1.28	0.000671	± 2.5	PASS		
	VN		0	0.72	0.000377	± 2.5	PASS		
	VN		10	4.56	0.002391	± 2.5	PASS		
	VN		20	-0.23	-0.000121	± 2.5	PASS		
	VN		30	2.68	0.001405	± 2.5	PASS		

		VN	40	4.85	0.002543	± 2.5	PASS
		VN	50	-1.91	-0.001001	± 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	4.09	0.002205	± 2.5	PASS
		VN	TN	3.24	0.001747	± 2.5	PASS
		VH	TN	2.2	0.001186	± 2.5	PASS
	MCH	VL	TN	1.08	0.000574	± 2.5	PASS
		VN	TN	3.16	0.001681	± 2.5	PASS
		VH	TN	2.07	0.001101	± 2.5	PASS
	HCH	VL	TN	4.09	0.002147	± 2.5	PASS
		VN	TN	3.2	0.001680	± 2.5	PASS
		VH	TN	4.93	0.002588	± 2.5	PASS
16QAM	LCH	VL	TN	-1.99	-0.001073	± 2.5	PASS
		VN	TN	4.21	0.002270	± 2.5	PASS
		VH	TN	2.68	0.001445	± 2.5	PASS
	MCH	VL	TN	-1.89	-0.001005	± 2.5	PASS
		VN	TN	1.5	0.000798	± 2.5	PASS
		VH	TN	0.81	0.000431	± 2.5	PASS
	HCH	VL	TN	2.53	0.001328	± 2.5	PASS
		VN	TN	2.02	0.001060	± 2.5	PASS
		VH	TN	1.59	0.000835	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.47	0.002410	± 2.5	PASS
		VN	-20	1.51	0.000814	± 2.5	PASS
		VN	-10	3.48	0.001876	± 2.5	PASS
		VN	0	0.87	0.000469	± 2.5	PASS
		VN	10	3.39	0.001827	± 2.5	PASS
		VN	20	2.44	0.001315	± 2.5	PASS
		VN	30	1.3	0.000701	± 2.5	PASS
		VN	40	-1.39	-0.000749	± 2.5	PASS
		VN	50	4.28	0.002307	± 2.5	PASS
	MCH	VN	-30	4.74	0.002521	± 2.5	PASS
		VN	-20	2.52	0.001340	± 2.5	PASS
		VN	-10	3.76	0.002000	± 2.5	PASS

		VN	0	-0.76	-0.000404	± 2.5	PASS		
		VN	10	-0.08	-0.000043	± 2.5	PASS		
		VN	20	-1.37	-0.000729	± 2.5	PASS		
		VN	30	1.87	0.000995	± 2.5	PASS		
		VN	40	4	0.002128	± 2.5	PASS		
		VN	50	-0.07	-0.000037	± 2.5	PASS		
	HCH	VN	-30	3.09	0.001622	± 2.5	PASS		
		VN	-20	2.54	0.001333	± 2.5	PASS		
		VN	-10	-0.19	-0.000100	± 2.5	PASS		
		VN	0	3.86	0.002026	± 2.5	PASS		
		VN	10	-0.46	-0.000241	± 2.5	PASS		
		VN	20	2.64	0.001386	± 2.5	PASS		
		VN	30	1.78	0.000934	± 2.5	PASS		
		VN	40	3.14	0.001648	± 2.5	PASS		
		VN	50	-0.1	-0.000052	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.5	0.000270	± 2.5	PASS
				VN	-20	2.87	0.001547	± 2.5	PASS
				VN	-10	2.77	0.001493	± 2.5	PASS
VN	0			2.45	0.001321	± 2.5	PASS		
VN	10			3.3	0.001779	± 2.5	PASS		
VN	20			2.14	0.001154	± 2.5	PASS		
VN	30			1.28	0.000690	± 2.5	PASS		
VN	40			5	0.002695	± 2.5	PASS		
VN	50			0.89	0.000480	± 2.5	PASS		
MCH	VN		-30	2.34	0.001245	± 2.5	PASS		
	VN		-20	3.68	0.001957	± 2.5	PASS		
	VN		-10	1.53	0.000814	± 2.5	PASS		
	VN		0	2.98	0.001585	± 2.5	PASS		
	VN		10	2.33	0.001239	± 2.5	PASS		
	VN		20	1.85	0.000984	± 2.5	PASS		
	VN		30	3.36	0.001787	± 2.5	PASS		
	VN		40	1.58	0.000840	± 2.5	PASS		
	VN		50	1.14	0.000606	± 2.5	PASS		
HCH	VN		-30	0.89	0.000467	± 2.5	PASS		
	VN		-20	-1.81	-0.000950	± 2.5	PASS		
	VN		-10	-1.73	-0.000908	± 2.5	PASS		
	VN		0	-1.99	-0.001045	± 2.5	PASS		
	VN		10	-1.53	-0.000803	± 2.5	PASS		
	VN		20	-0.92	-0.000483	± 2.5	PASS		
	VN	30	1.71	0.000898	± 2.5	PASS			
	VN	40	4.04	0.002121	± 2.5	PASS			

		VN	50	2.49	0.001307	± 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	3.32	0.001787	± 2.5	PASS
		VN	TN	2.17	0.001168	± 2.5	PASS
		VH	TN	3.86	0.002078	± 2.5	PASS
	MCH	VL	TN	3.69	0.001963	± 2.5	PASS
		VN	TN	4.39	0.002335	± 2.5	PASS
		VH	TN	2.04	0.001085	± 2.5	PASS
	HCH	VL	TN	-0.84	-0.000442	± 2.5	PASS
		VN	TN	4.5	0.002365	± 2.5	PASS
		VH	TN	4.39	0.002307	± 2.5	PASS
16QAM	LCH	VL	TN	-0.51	-0.000275	± 2.5	PASS
		VN	TN	1.36	0.000732	± 2.5	PASS
		VH	TN	1.04	0.000560	± 2.5	PASS
	MCH	VL	TN	3.2	0.001702	± 2.5	PASS
		VN	TN	-1.08	-0.000574	± 2.5	PASS
		VH	TN	-0.55	-0.000293	± 2.5	PASS
	HCH	VL	TN	2.69	0.001414	± 2.5	PASS
		VN	TN	2.35	0.001235	± 2.5	PASS
		VH	TN	2.58	0.001356	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.44	0.000775	± 2.5	PASS
		VN	-20	2.77	0.001491	± 2.5	PASS
		VN	-10	-0.83	-0.000447	± 2.5	PASS
		VN	0	4.99	0.002686	± 2.5	PASS
		VN	10	1.15	0.000619	± 2.5	PASS
		VN	20	0.2	0.000108	± 2.5	PASS
		VN	30	-1.52	-0.000818	± 2.5	PASS
		VN	40	4.06	0.002186	± 2.5	PASS
	MCH	VN	50	2.48	0.001335	± 2.5	PASS
		VN	-30	-0.01	-0.000005	± 2.5	PASS
		VN	-20	4.73	0.002516	± 2.5	PASS
		VN	-10	-0.08	-0.000043	± 2.5	PASS
		VN	0	1.66	0.000883	± 2.5	PASS

		VN	10	-0.11	-0.000059	± 2.5	PASS
		VN	20	-1.02	-0.000543	± 2.5	PASS
		VN	30	-0.87	-0.000463	± 2.5	PASS
		VN	40	4.68	0.002489	± 2.5	PASS
		VN	50	3.62	0.001926	± 2.5	PASS
	HCH	VN	-30	1.19	0.000625	± 2.5	PASS
		VN	-20	2.59	0.001361	± 2.5	PASS
		VN	-10	0.4	0.000210	± 2.5	PASS
		VN	0	2.91	0.001530	± 2.5	PASS
		VN	10	-1.39	-0.000731	± 2.5	PASS
		VN	20	-1.86	-0.000978	± 2.5	PASS
		VN	30	0.79	0.000415	± 2.5	PASS
		VN	40	0.03	0.000016	± 2.5	PASS
		VN	50	-1.81	-0.000951	± 2.5	PASS
		16QAM	LCH	VN	-30	0.28	0.000151
VN	-20			2.87	0.001545	± 2.5	PASS
VN	-10			1.07	0.000576	± 2.5	PASS
VN	0			1.26	0.000678	± 2.5	PASS
VN	10			3.61	0.001943	± 2.5	PASS
VN	20			-1.4	-0.000754	± 2.5	PASS
VN	30			-0.57	-0.000307	± 2.5	PASS
VN	40			1.63	0.000878	± 2.5	PASS
VN	50			2.53	0.001362	± 2.5	PASS
MCH	VN		-30	3.2	0.001702	± 2.5	PASS
	VN		-20	0.53	0.000282	± 2.5	PASS
	VN		-10	2.88	0.001532	± 2.5	PASS
	VN		0	-0.15	-0.000080	± 2.5	PASS
	VN		10	-0.89	-0.000473	± 2.5	PASS
	VN		20	4.79	0.002548	± 2.5	PASS
	VN	30	-0.88	-0.000468	± 2.5	PASS	
	VN	40	-1.77	-0.000941	± 2.5	PASS	
	VN	50	2.23	0.001186	± 2.5	PASS	
HCH	VN	-30	-0.96	-0.000505	± 2.5	PASS	
	VN	-20	-1.12	-0.000589	± 2.5	PASS	
	VN	-10	0.7	0.000368	± 2.5	PASS	
	VN	0	1.53	0.000804	± 2.5	PASS	
	VN	10	-1.27	-0.000668	± 2.5	PASS	
	VN	20	3.11	0.001635	± 2.5	PASS	
	VN	30	0.85	0.000447	± 2.5	PASS	
	VN	40	2.73	0.001435	± 2.5	PASS	
	VN	50	2.86	0.001503	± 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	3.15	0.001694	± 2.5	PASS
		VN	TN	2.6	0.001398	± 2.5	PASS
		VH	TN	-1.99	-0.001070	± 2.5	PASS
	MCH	VL	TN	4.16	0.002213	± 2.5	PASS
		VN	TN	-0.14	-0.000074	± 2.5	PASS
		VH	TN	0.1	0.000053	± 2.5	PASS
	HCH	VL	TN	-1.59	-0.000837	± 2.5	PASS
		VN	TN	3.78	0.001989	± 2.5	PASS
		VH	TN	-0.12	-0.000063	± 2.5	PASS
16QAM	LCH	VL	TN	0.44	0.000237	± 2.5	PASS
		VN	TN	3.39	0.001823	± 2.5	PASS
		VH	TN	-0.37	-0.000199	± 2.5	PASS
	MCH	VL	TN	1.38	0.000734	± 2.5	PASS
		VN	TN	3.79	0.002016	± 2.5	PASS
		VH	TN	4.41	0.002346	± 2.5	PASS
	HCH	VL	TN	0.15	0.000079	± 2.5	PASS
		VN	TN	-1.7	-0.000895	± 2.5	PASS
		VH	TN	4.96	0.002611	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.88	0.000473	± 2.5	PASS
		VN	-20	3.88	0.002086	± 2.5	PASS
		VN	-10	3.34	0.001796	± 2.5	PASS
		VN	0	2.8	0.001505	± 2.5	PASS
		VN	10	3.59	0.001930	± 2.5	PASS
		VN	20	-0.14	-0.000075	± 2.5	PASS
		VN	30	4.51	0.002425	± 2.5	PASS
		VN	40	-0.84	-0.000452	± 2.5	PASS
		VN	50	1.82	0.000978	± 2.5	PASS
	MCH	VN	-30	-1.11	-0.000590	± 2.5	PASS
		VN	-20	-1.19	-0.000633	± 2.5	PASS
		VN	-10	-0.58	-0.000309	± 2.5	PASS
		VN	0	-0.7	-0.000372	± 2.5	PASS
		VN	10	3.9	0.002074	± 2.5	PASS

		VN	20	4.45	0.002367	± 2.5	PASS
		VN	30	3.27	0.001739	± 2.5	PASS
		VN	40	1.11	0.000590	± 2.5	PASS
		VN	50	-1.62	-0.000862	± 2.5	PASS
	HCH	VN	-30	3.17	0.001668	± 2.5	PASS
		VN	-20	0.63	0.000332	± 2.5	PASS
		VN	-10	2.15	0.001132	± 2.5	PASS
		VN	0	0.91	0.000479	± 2.5	PASS
		VN	10	4.23	0.002226	± 2.5	PASS
		VN	20	4.64	0.002442	± 2.5	PASS
		VN	30	2.68	0.001411	± 2.5	PASS
		VN	40	2.36	0.001242	± 2.5	PASS
		VN	50	1.74	0.000916	± 2.5	PASS
16QAM	LCH	VN	-30	-1.77	-0.000952	± 2.5	PASS
		VN	-20	0.11	0.000059	± 2.5	PASS
		VN	-10	3.26	0.001753	± 2.5	PASS
		VN	0	-0.8	-0.000430	± 2.5	PASS
		VN	10	4.33	0.002328	± 2.5	PASS
		VN	20	4.54	0.002441	± 2.5	PASS
		VN	30	3.87	0.002081	± 2.5	PASS
		VN	40	0.63	0.000339	± 2.5	PASS
		VN	50	-1.64	-0.000882	± 2.5	PASS
	MCH	VN	-30	4.73	0.002516	± 2.5	PASS
		VN	-20	2.09	0.001112	± 2.5	PASS
		VN	-10	4.9	0.002606	± 2.5	PASS
		VN	0	1.63	0.000867	± 2.5	PASS
		VN	10	3.17	0.001686	± 2.5	PASS
		VN	20	-1.78	-0.000947	± 2.5	PASS
		VN	30	1.51	0.000803	± 2.5	PASS
		VN	40	3.23	0.001718	± 2.5	PASS
		VN	50	3.76	0.002000	± 2.5	PASS
	HCH	VN	-30	3.61	0.001900	± 2.5	PASS
		VN	-20	1.69	0.000889	± 2.5	PASS
		VN	-10	1.89	0.000995	± 2.5	PASS
		VN	0	0.2	0.000105	± 2.5	PASS
		VN	10	1.14	0.000600	± 2.5	PASS
		VN	20	0.16	0.000084	± 2.5	PASS
		VN	30	2.58	0.001358	± 2.5	PASS
		VN	40	-1.83	-0.000963	± 2.5	PASS
		VN	50	4.15	0.002184	± 2.5	PASS