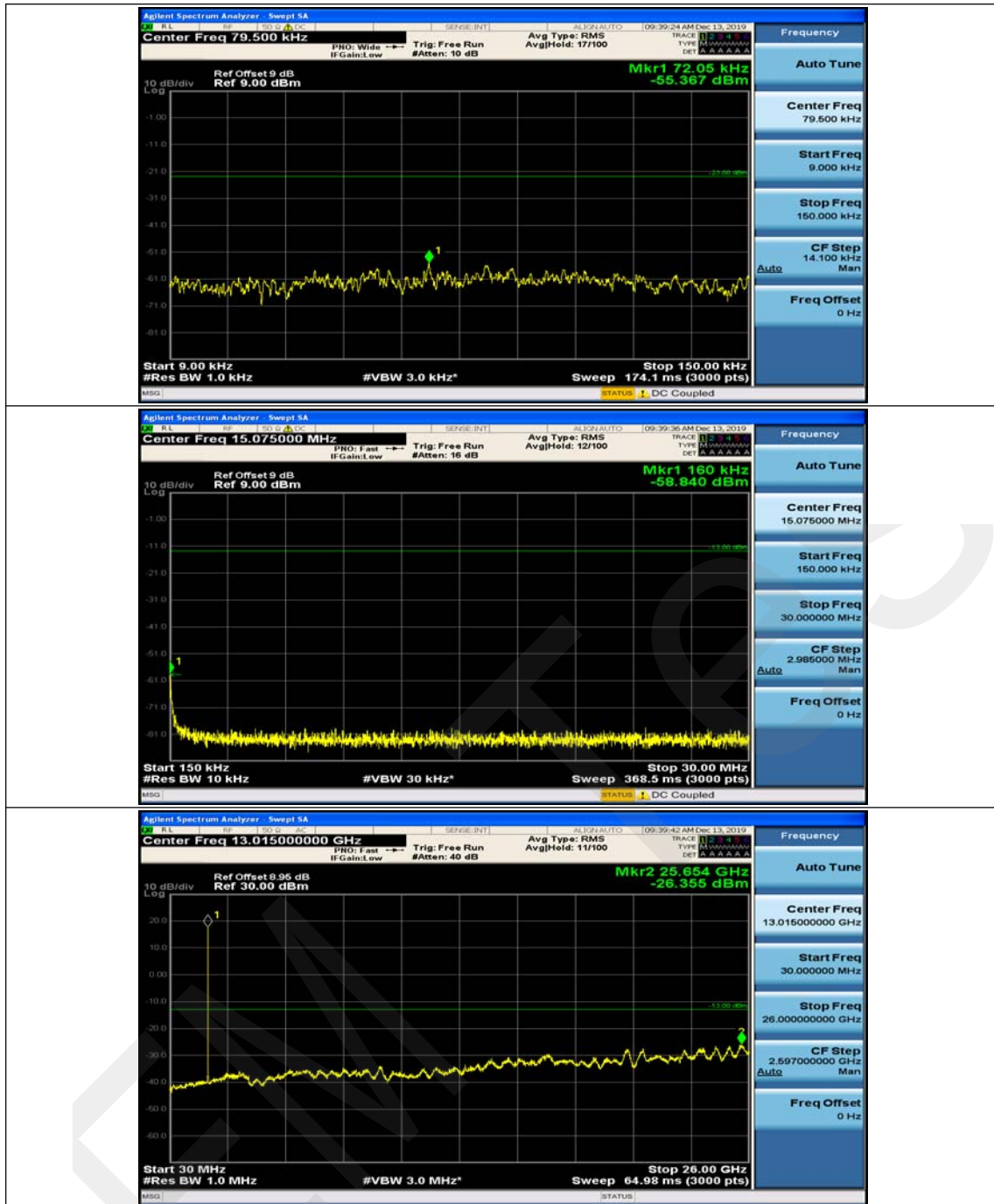
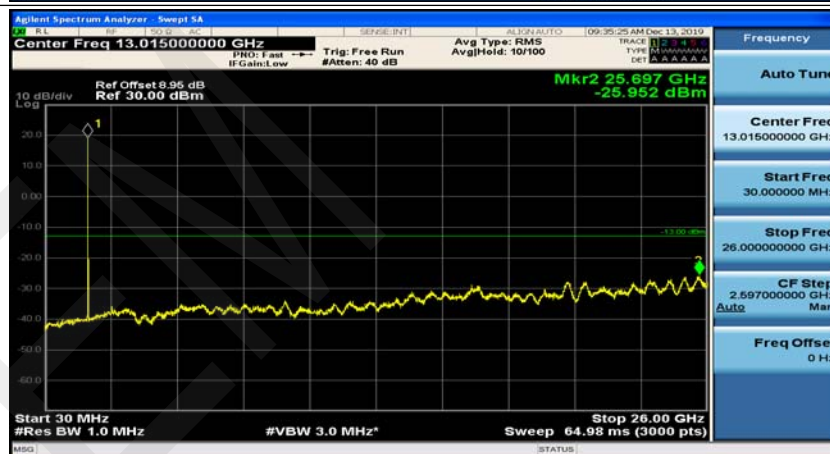
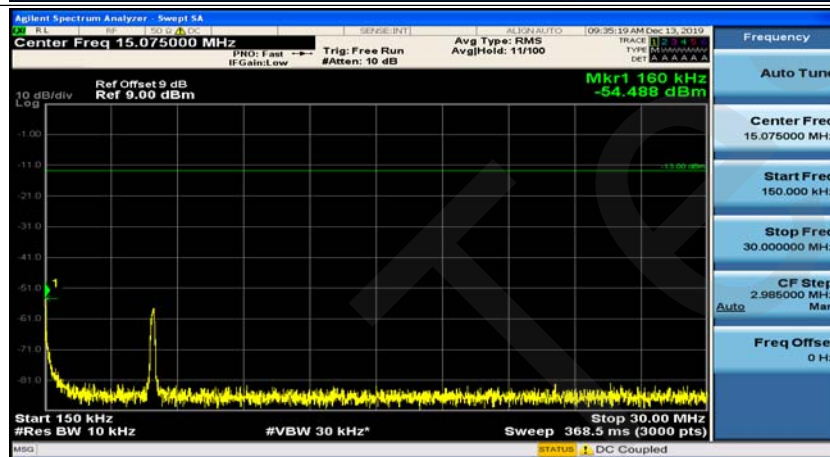
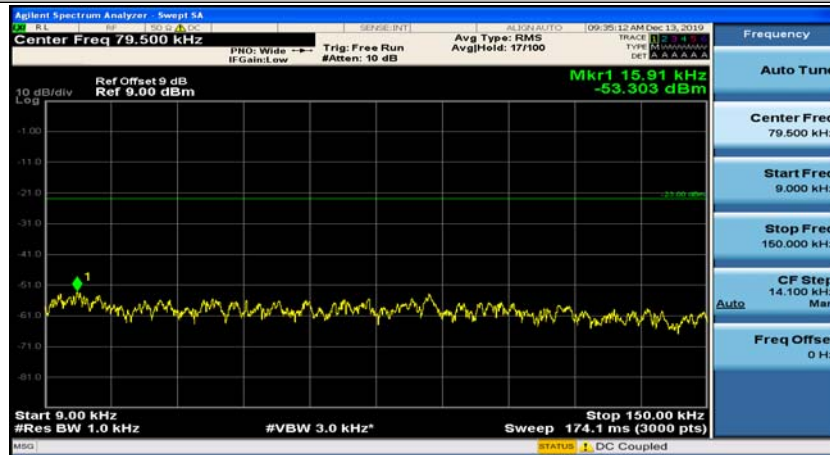
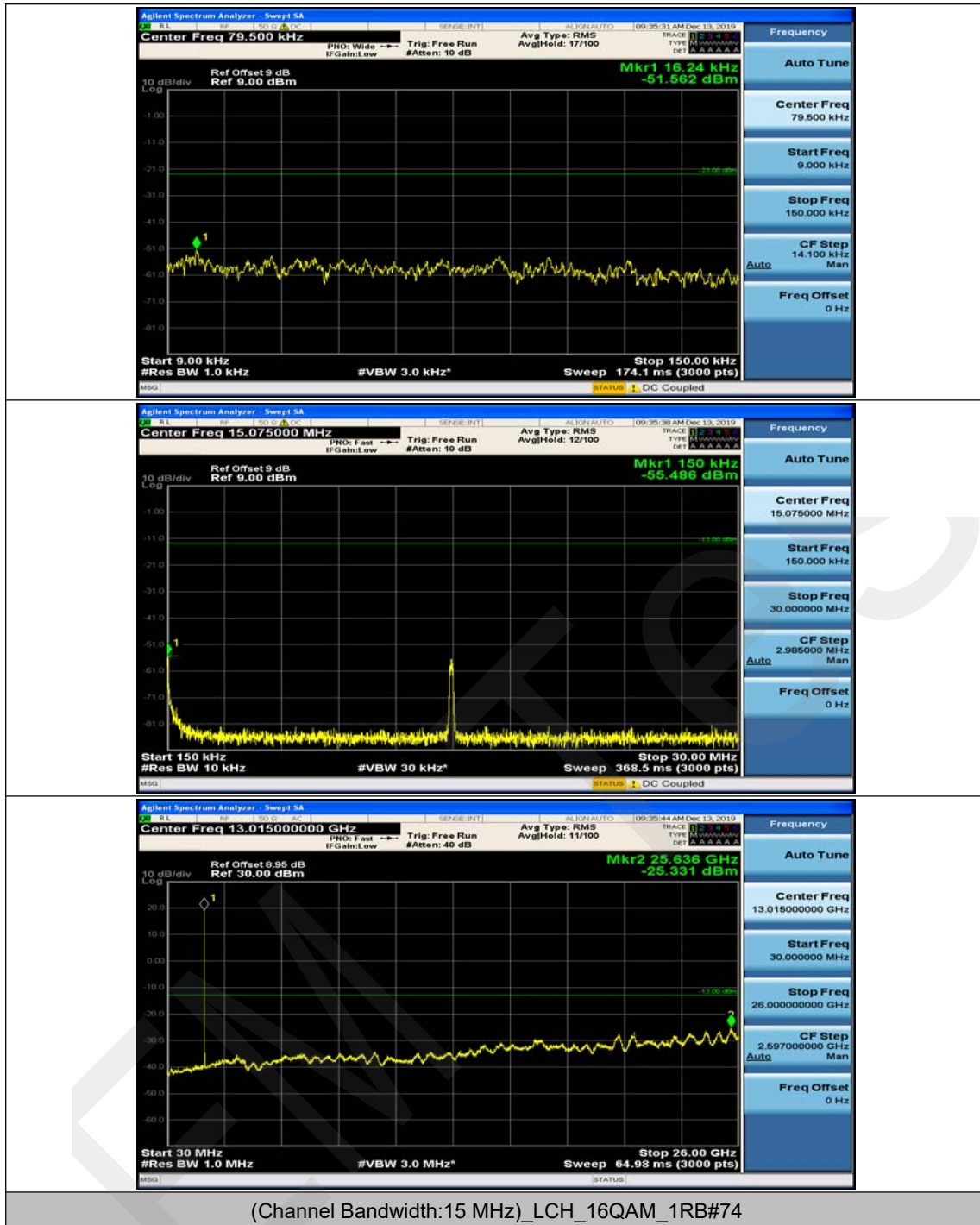


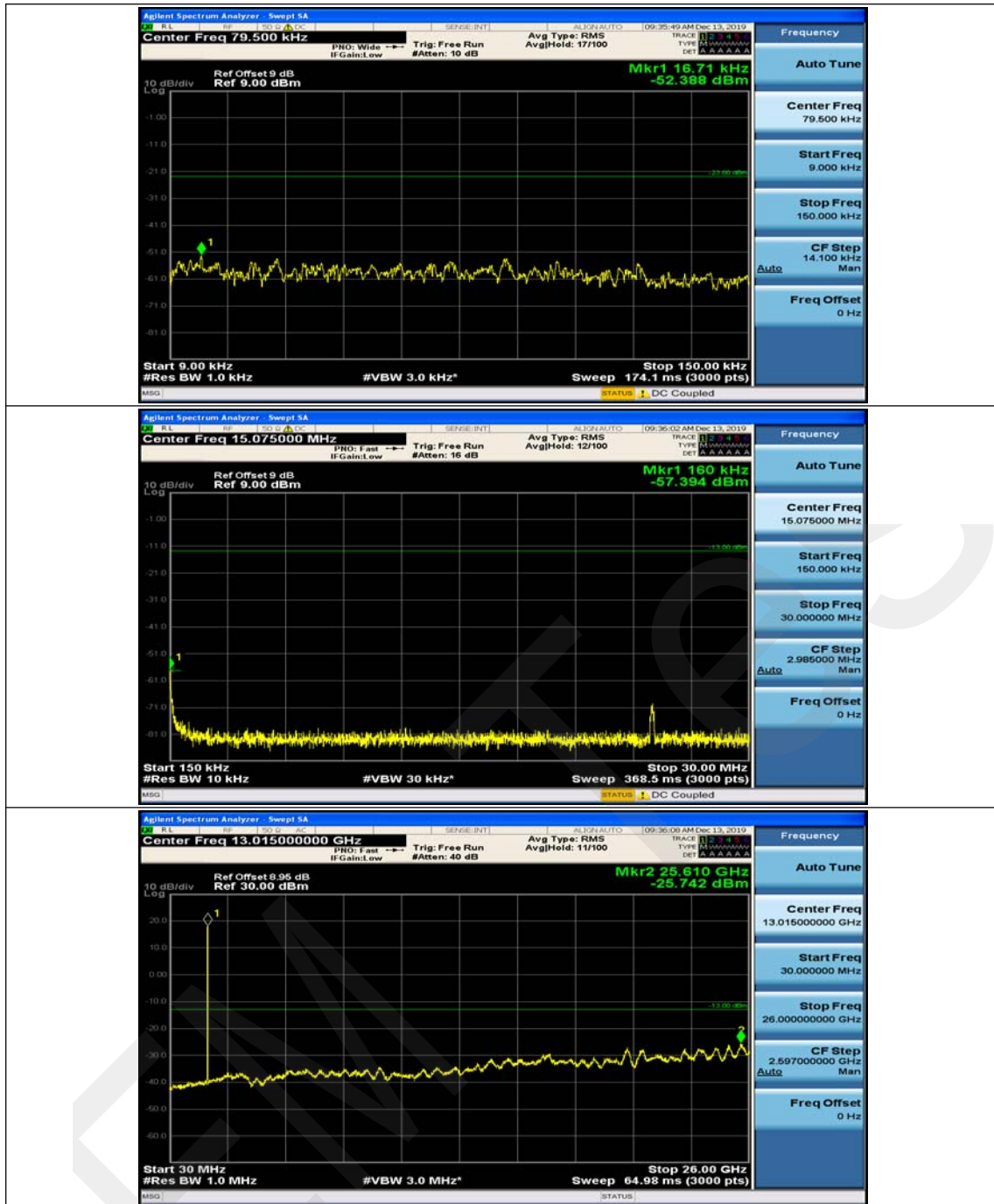


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

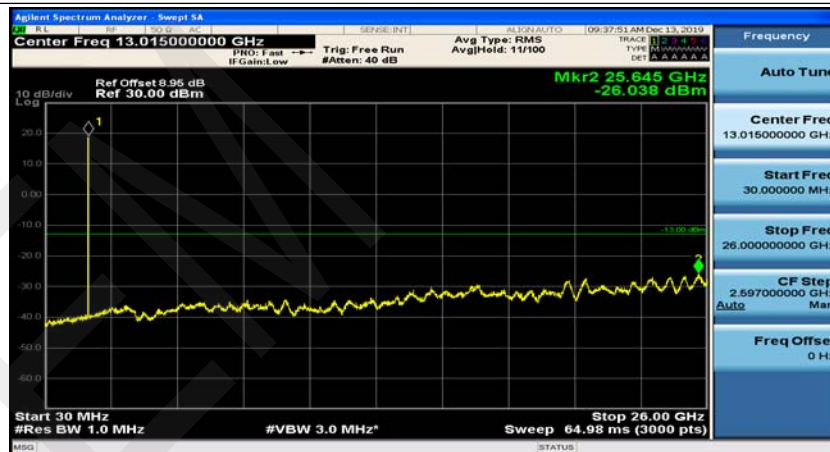
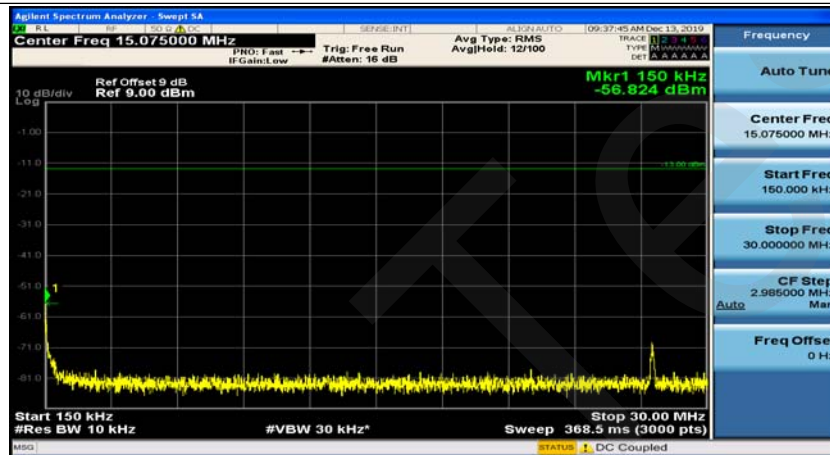
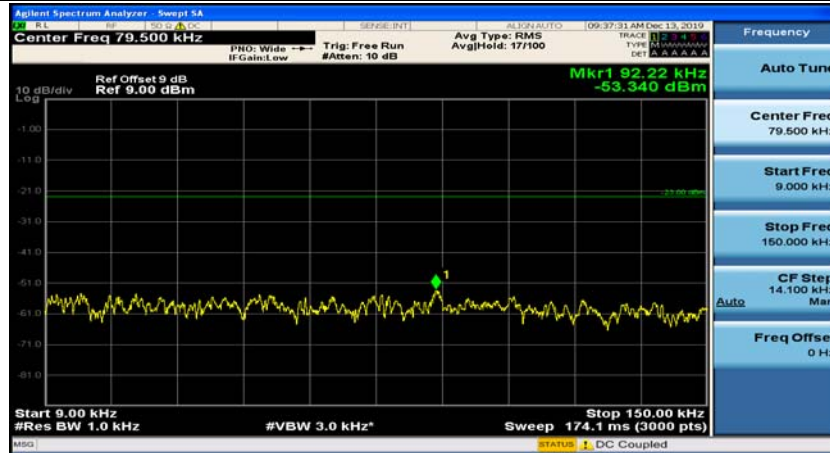


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

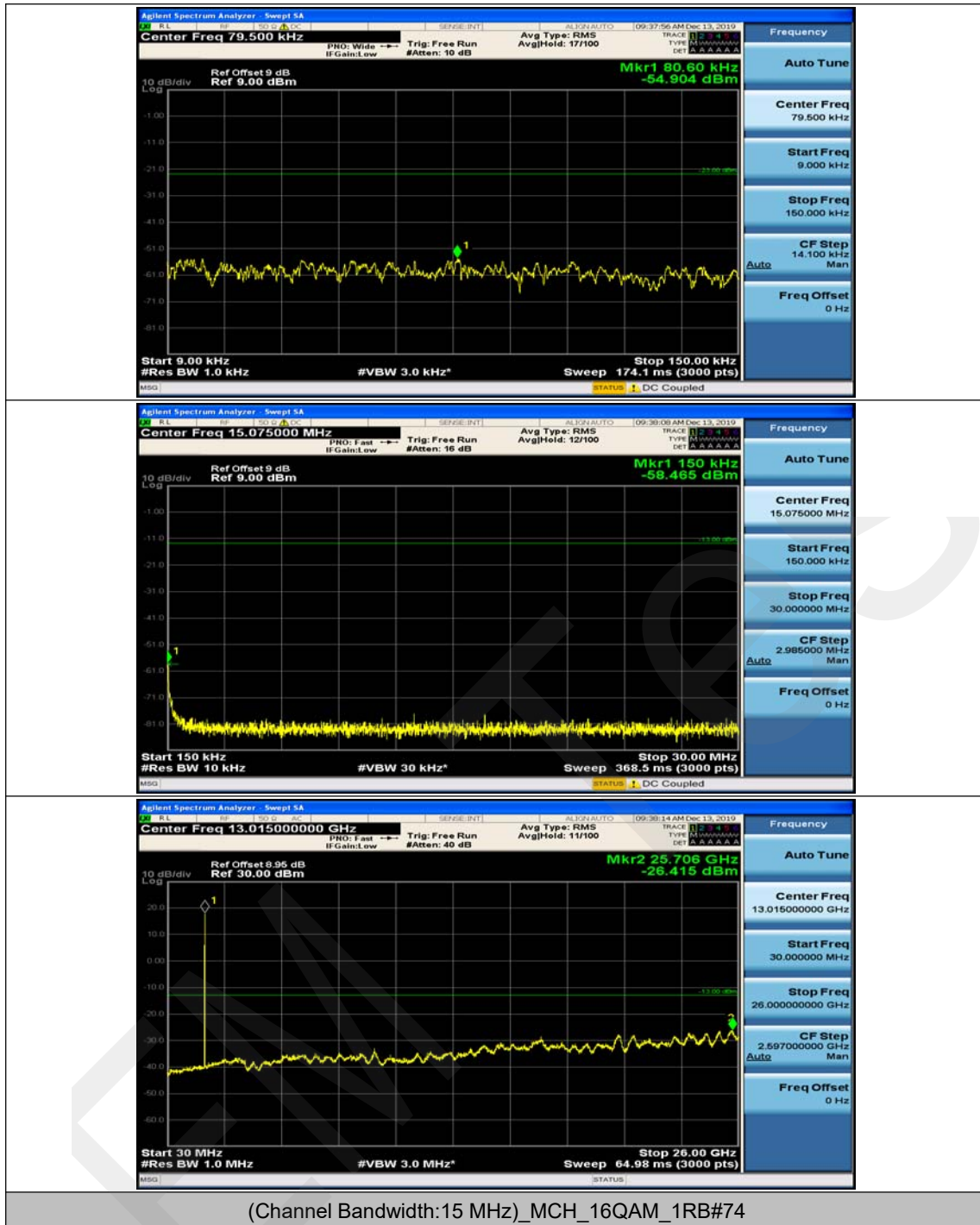


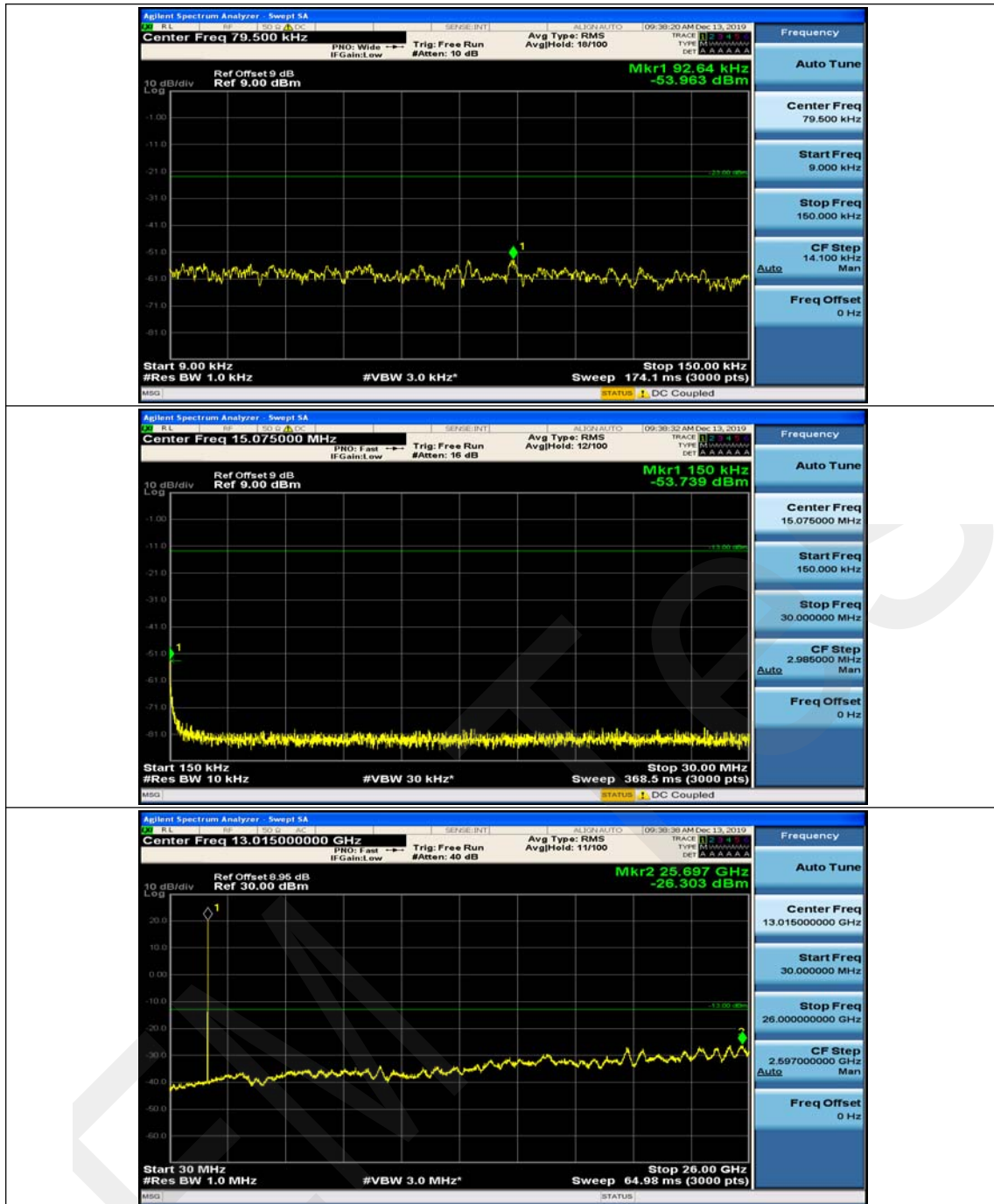


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

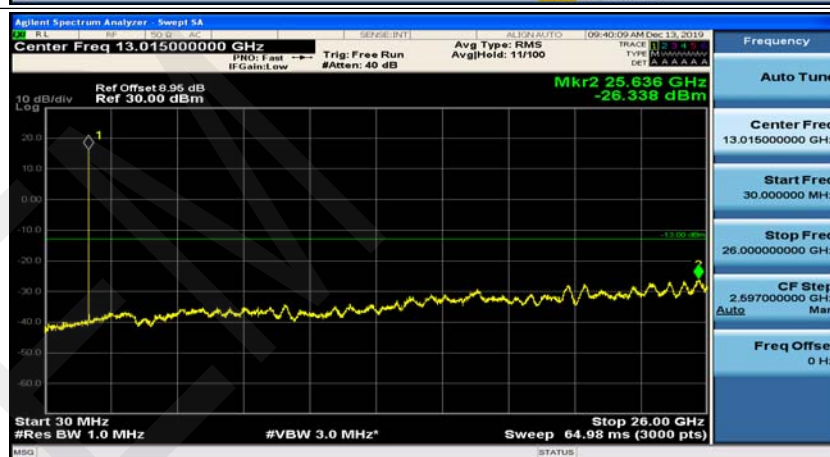
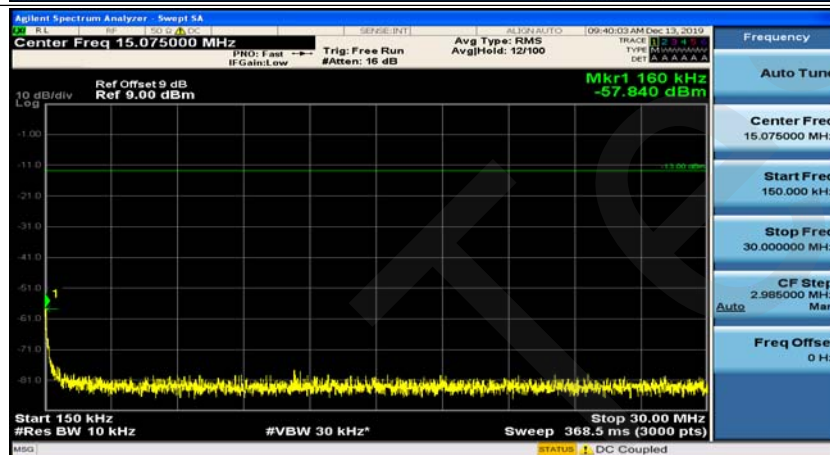
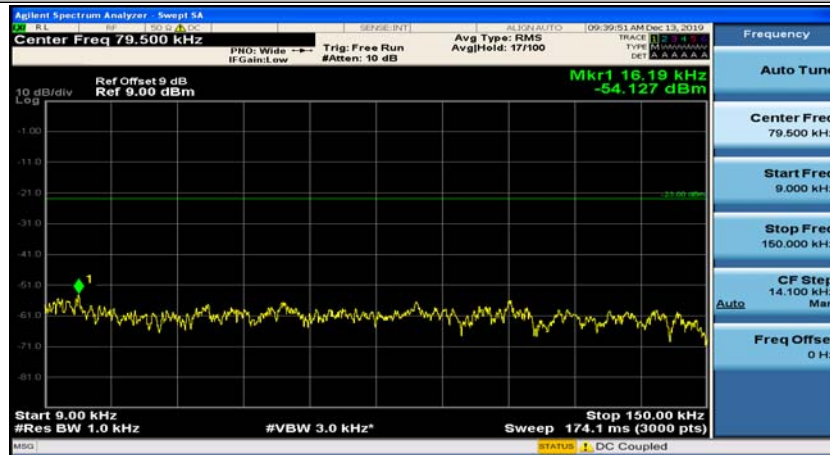


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

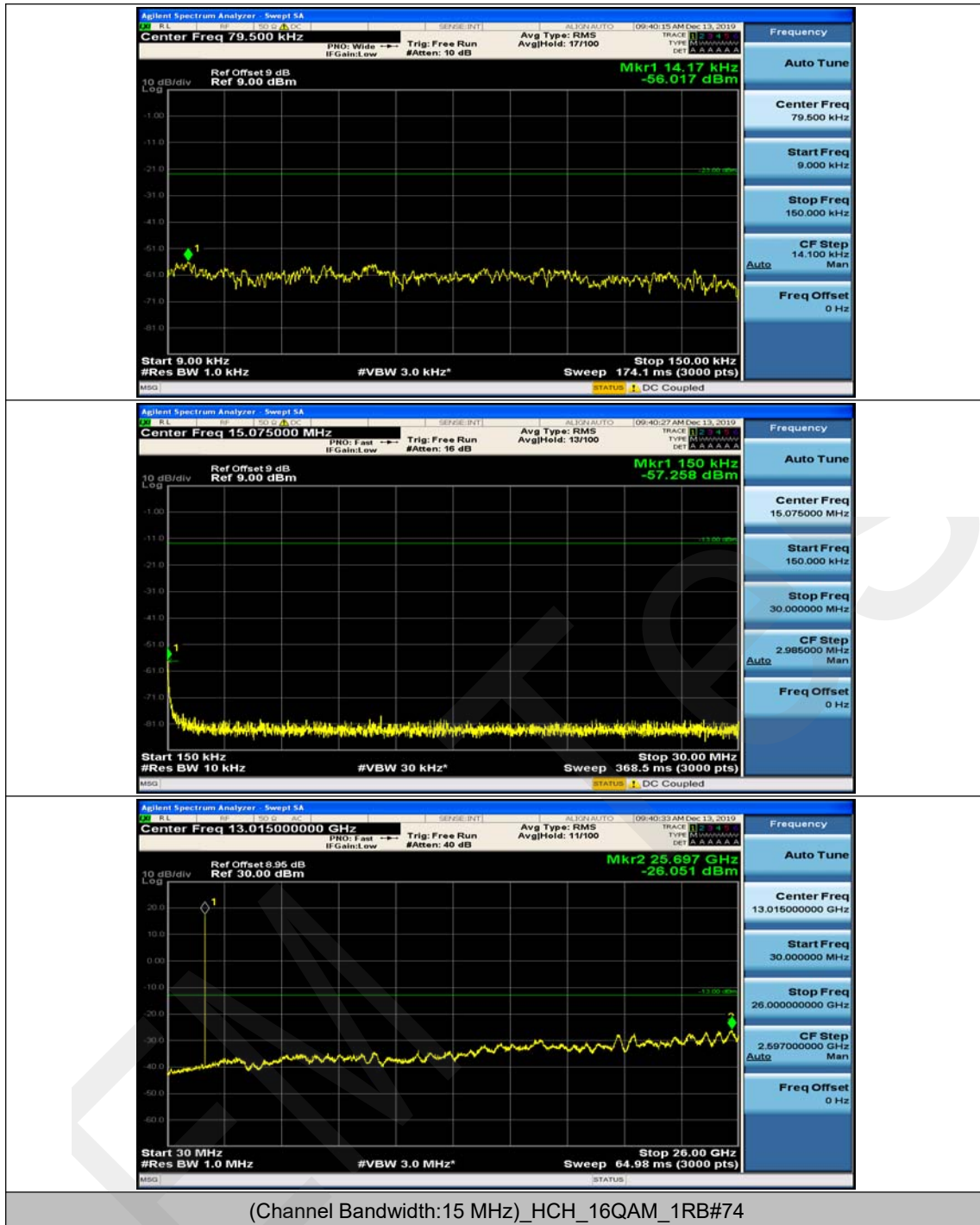


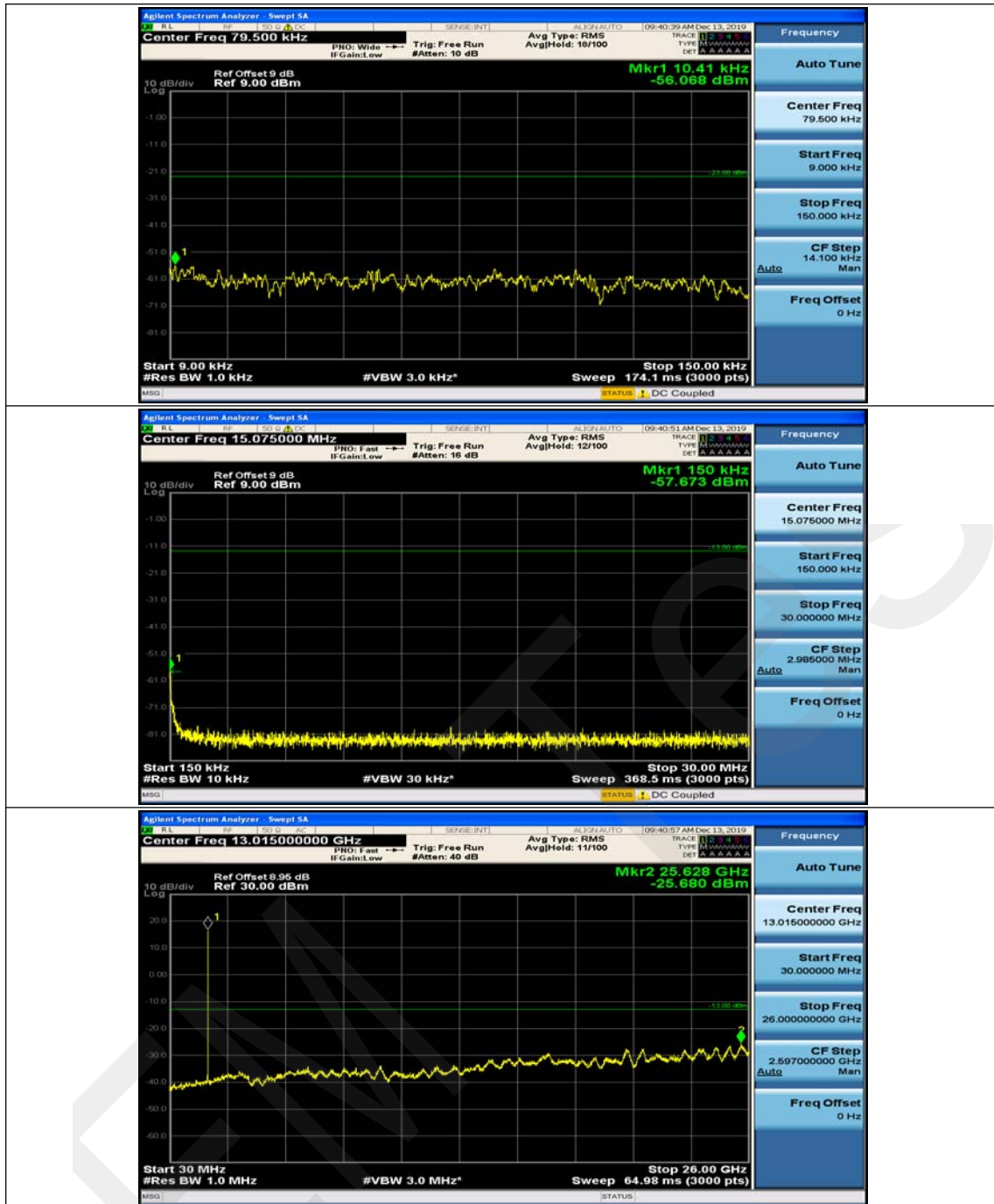


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

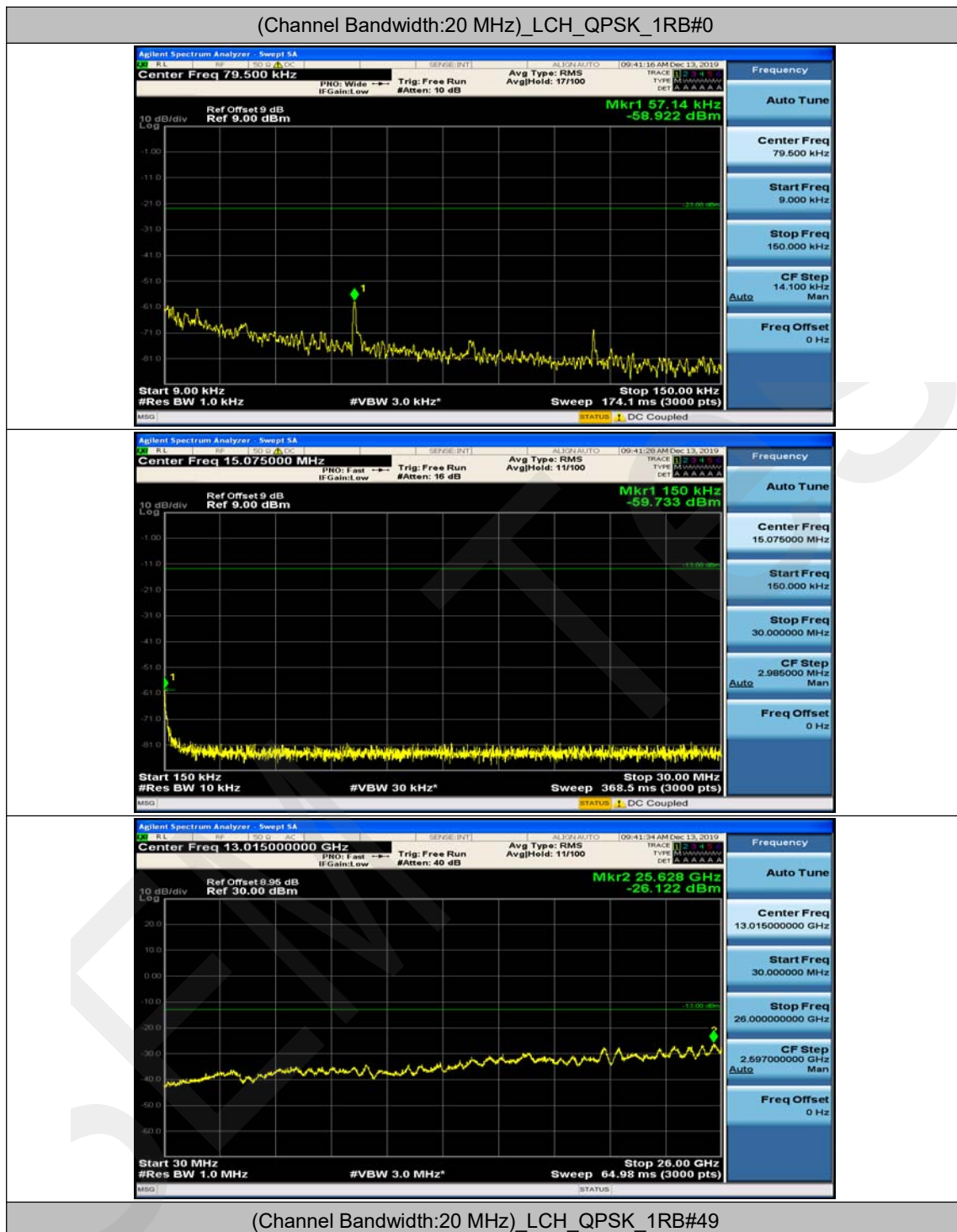


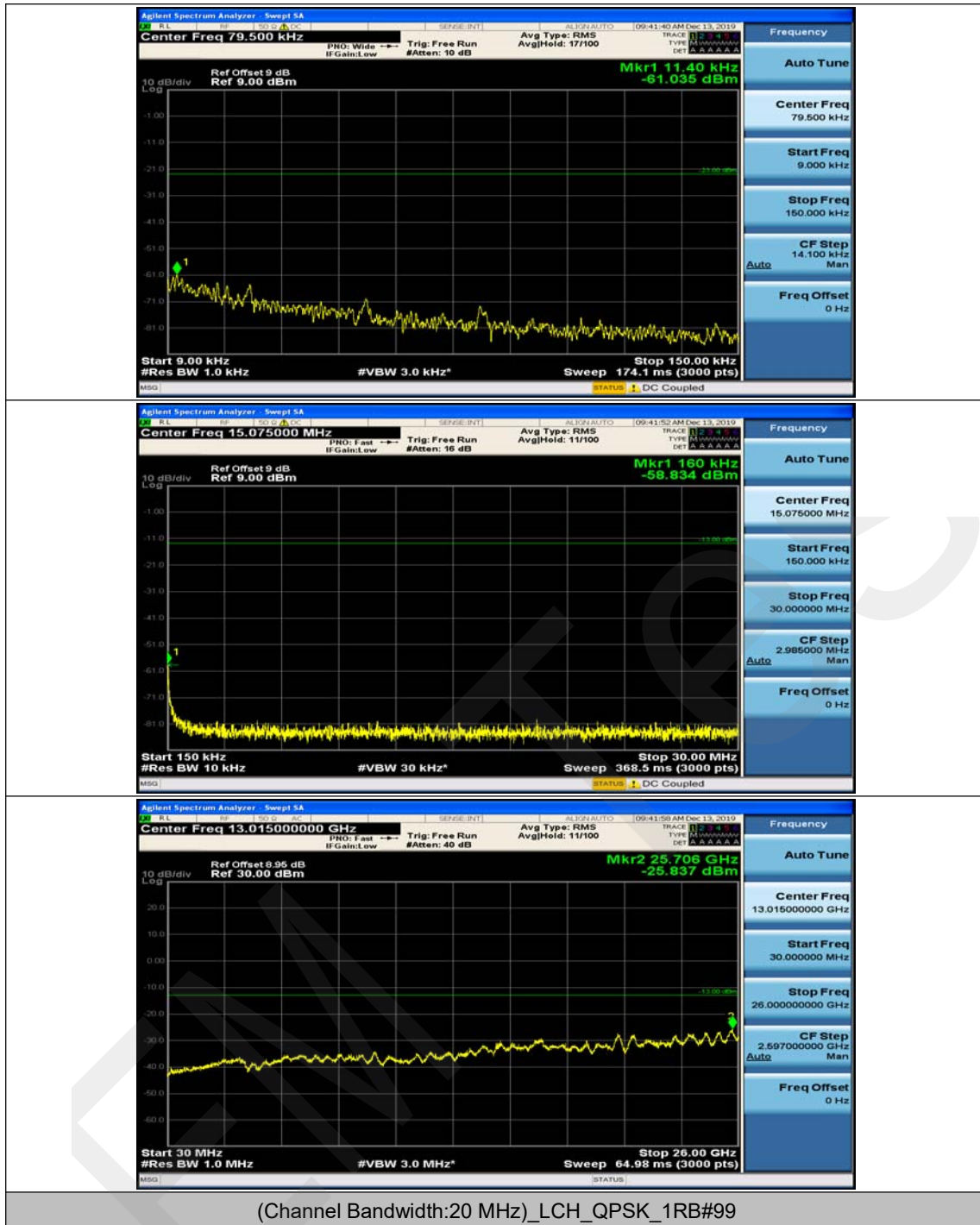
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

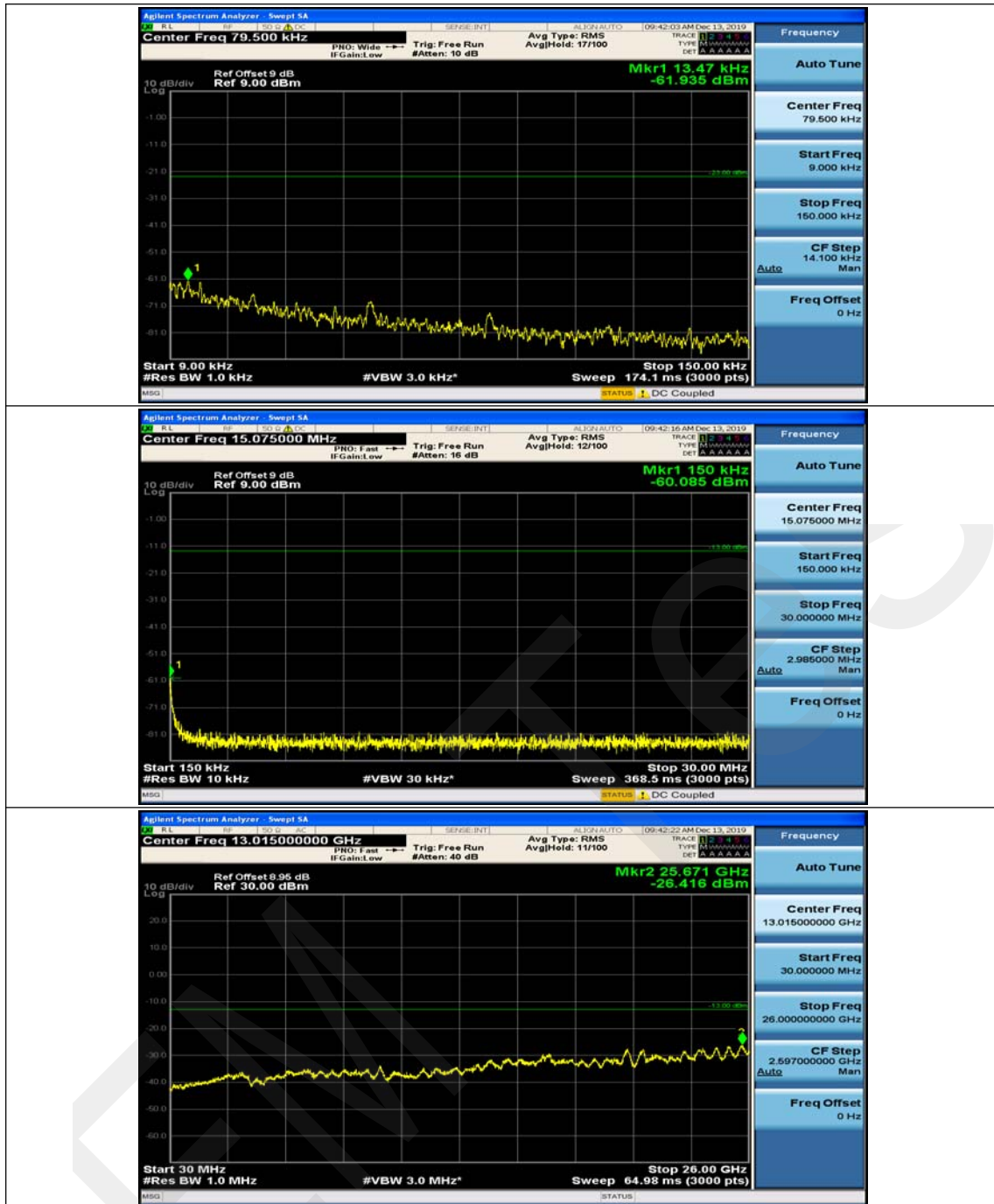




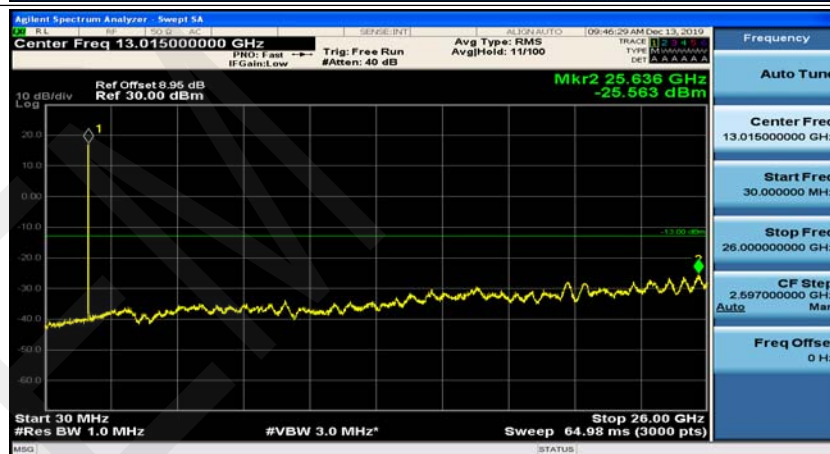
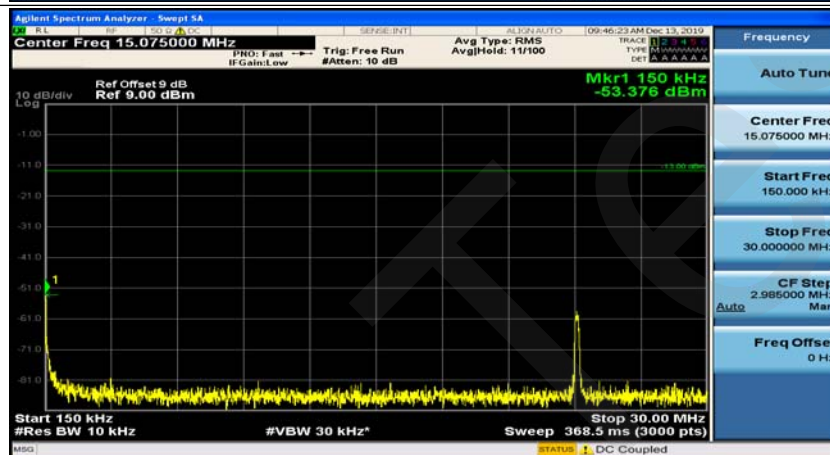
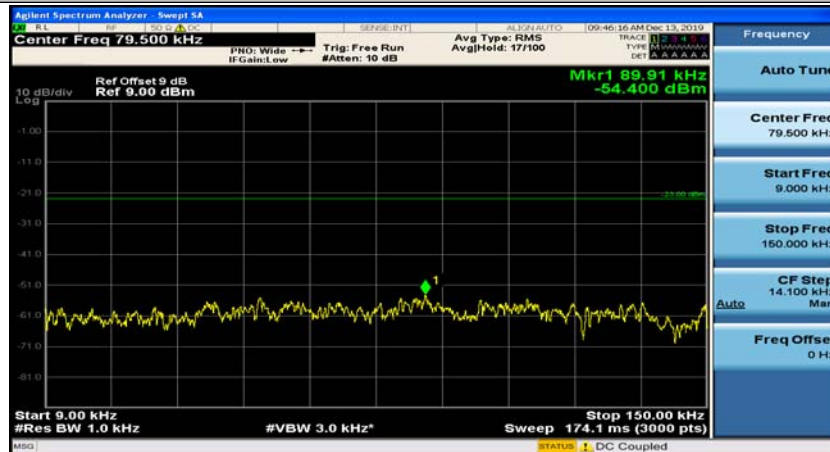
Channel Bandwidth: 20 MHz



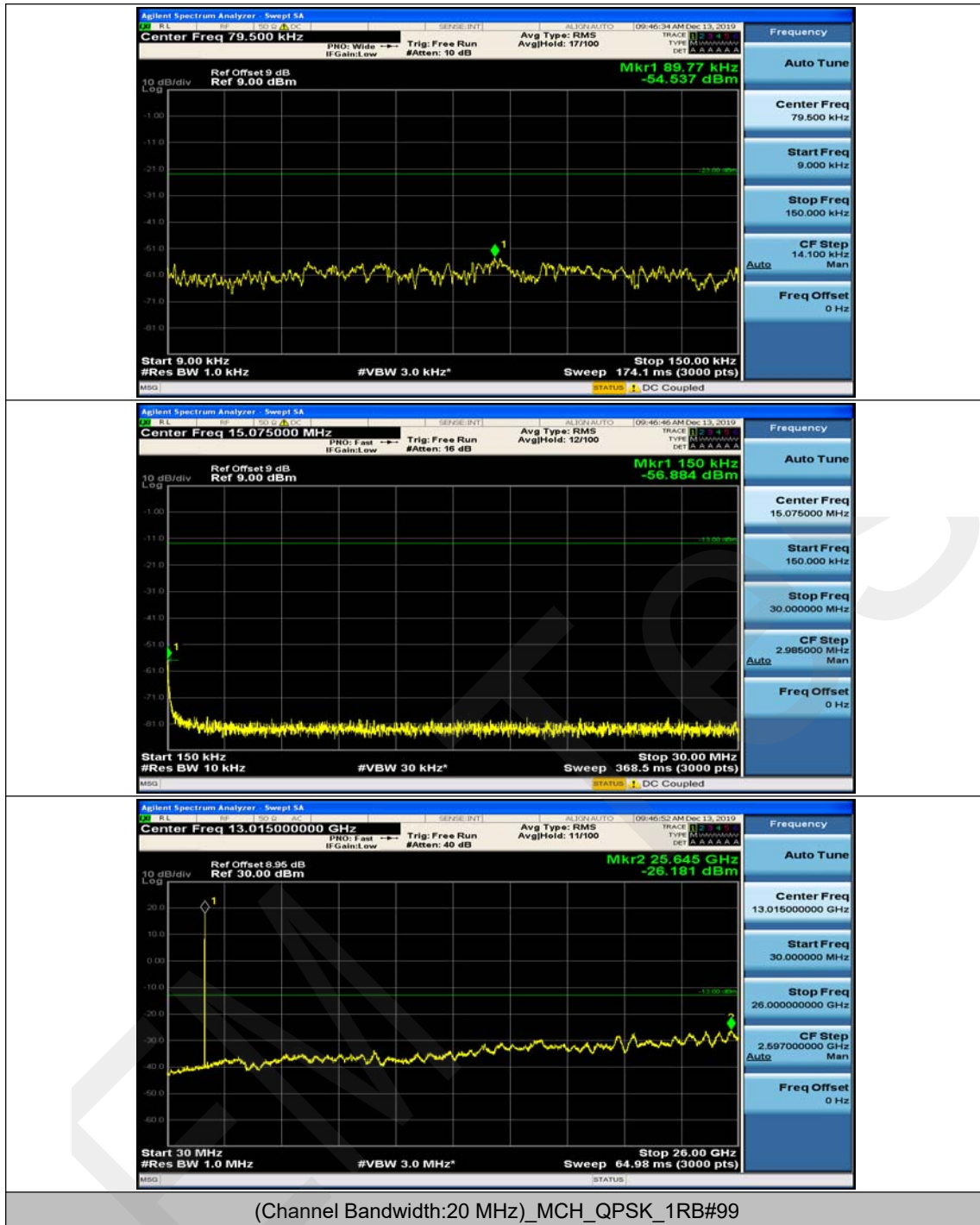


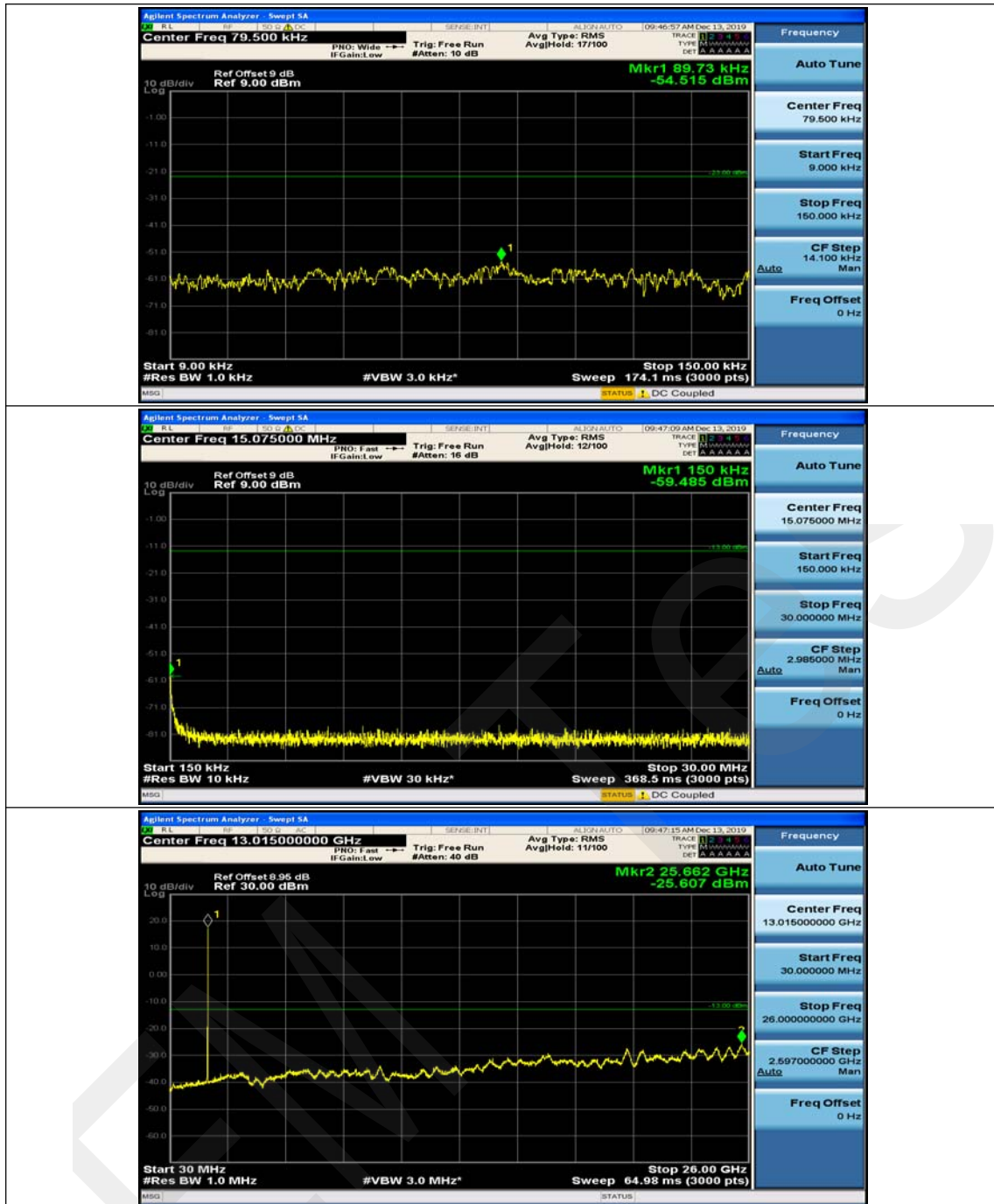


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

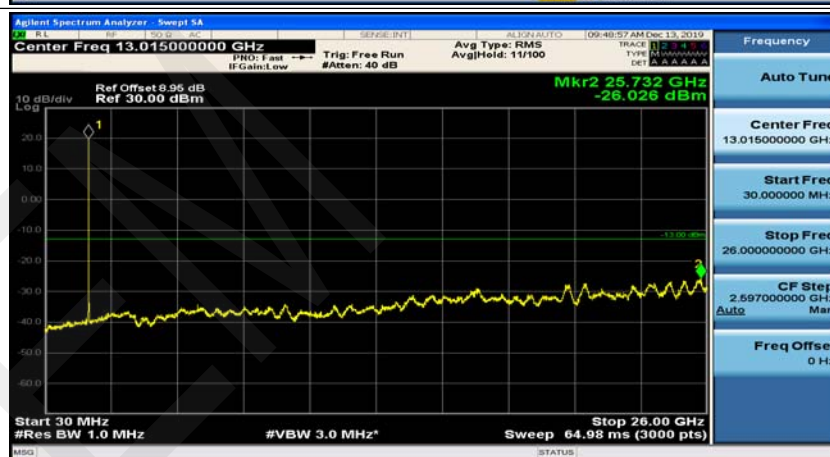
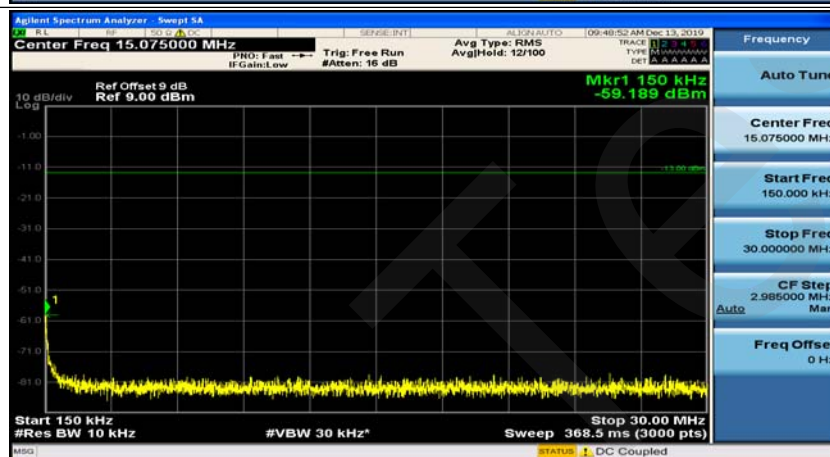
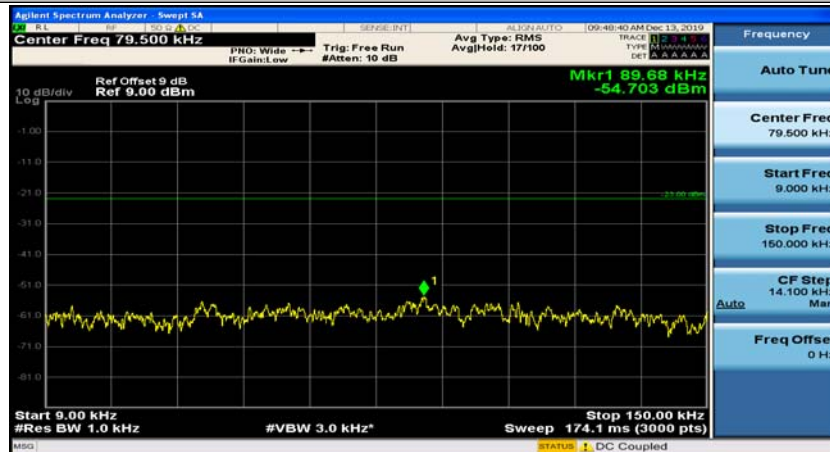


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

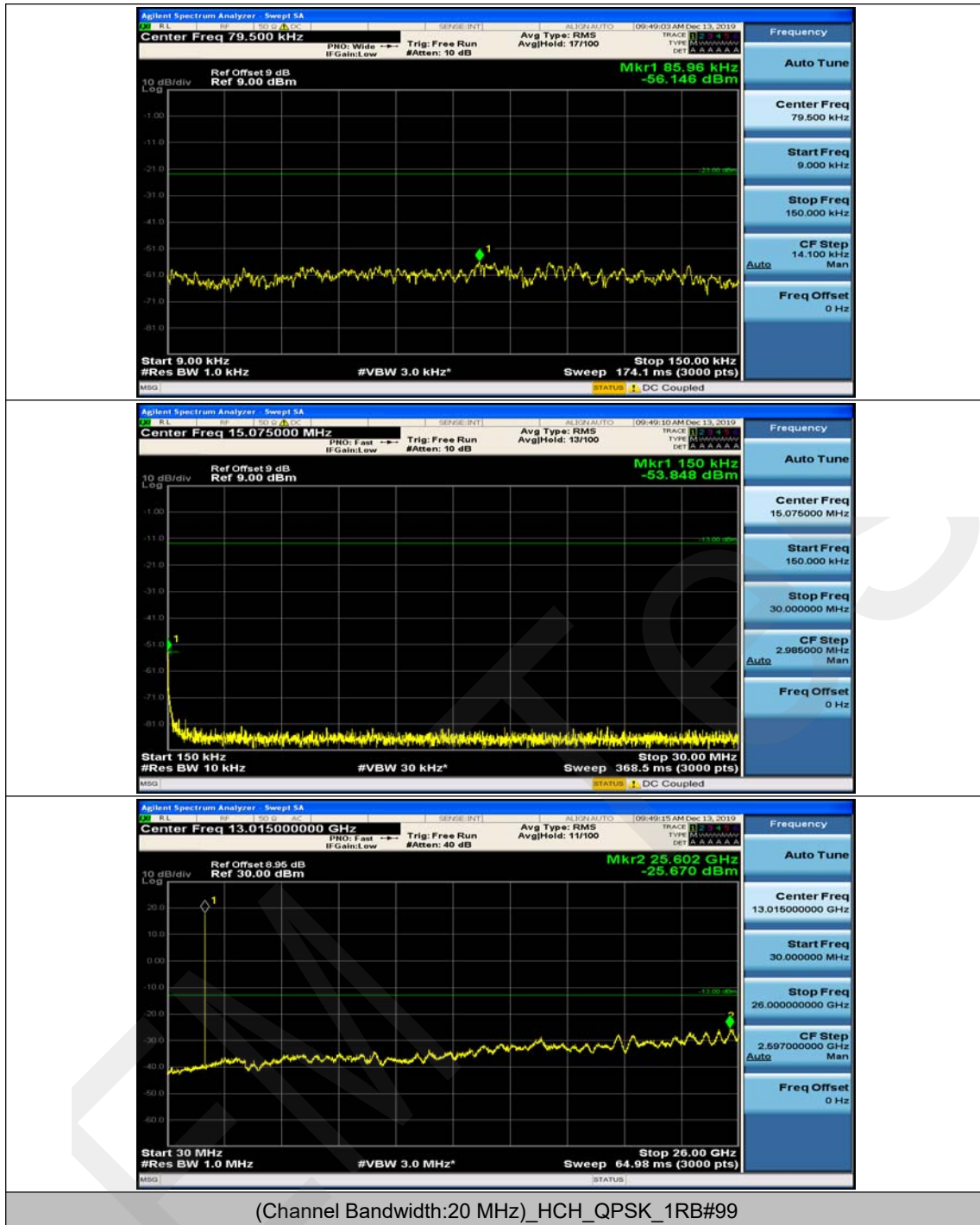


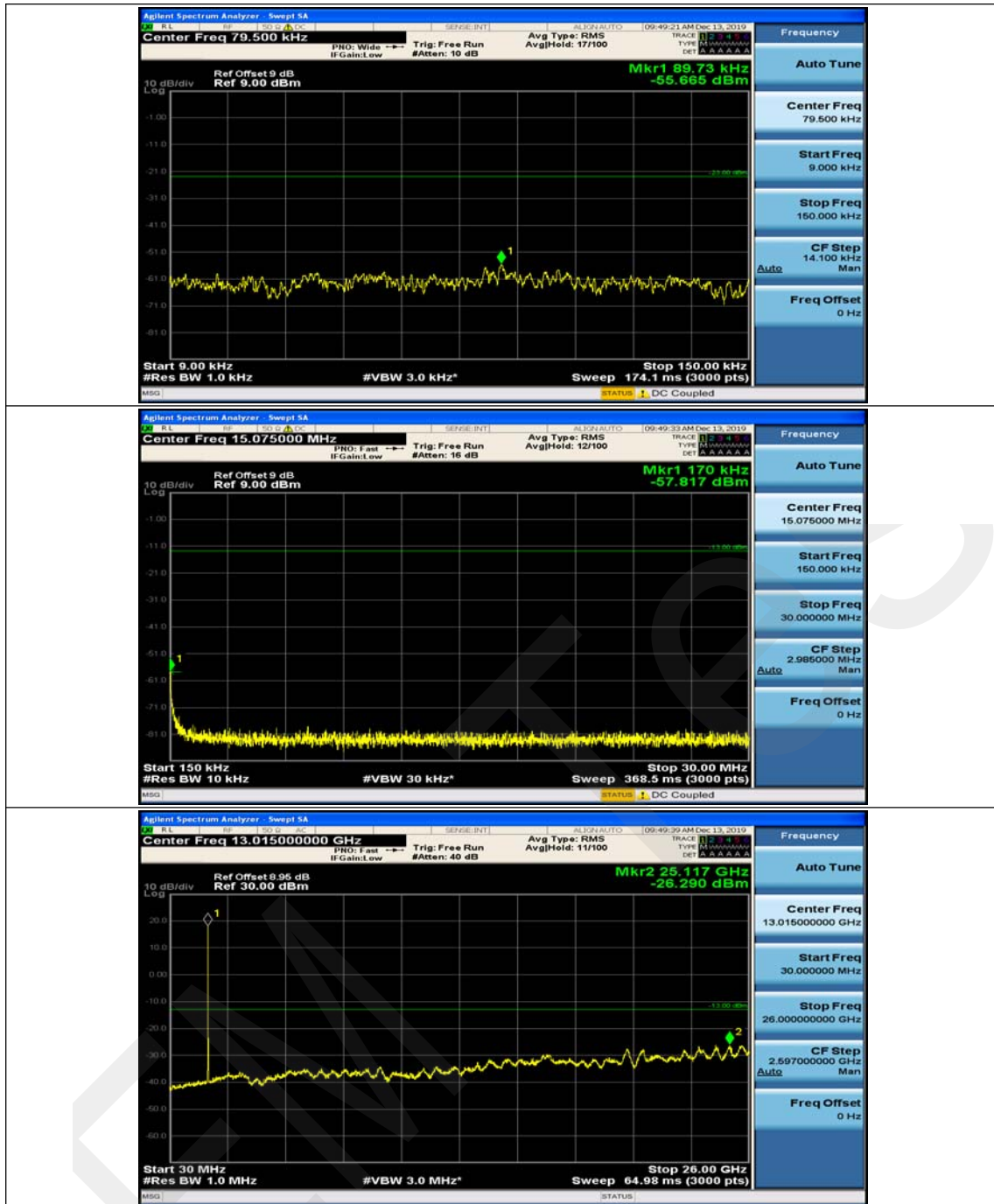


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

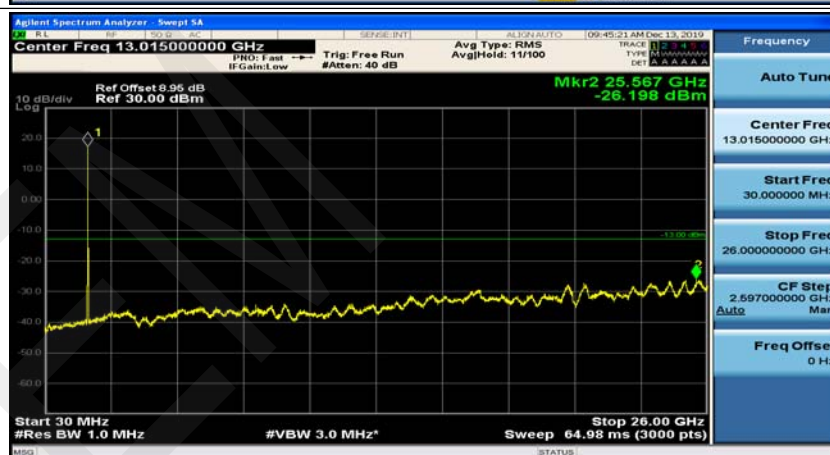
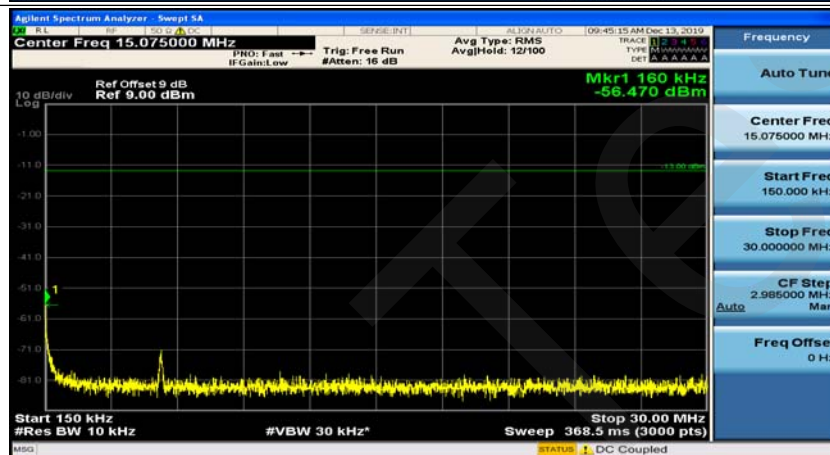
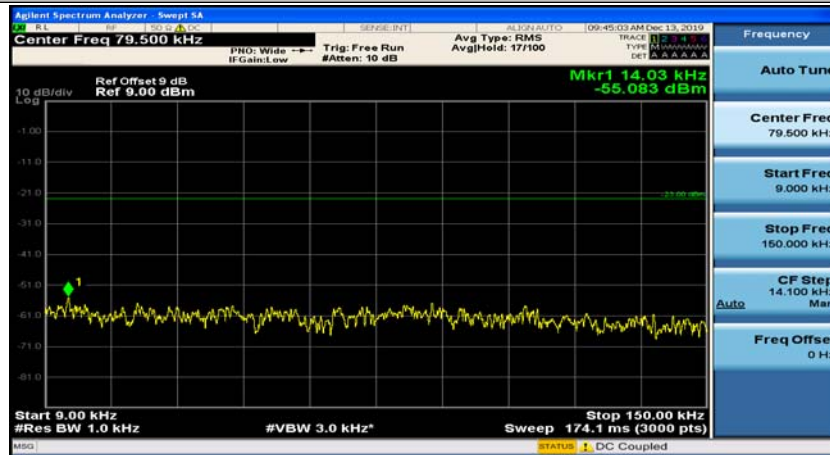


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

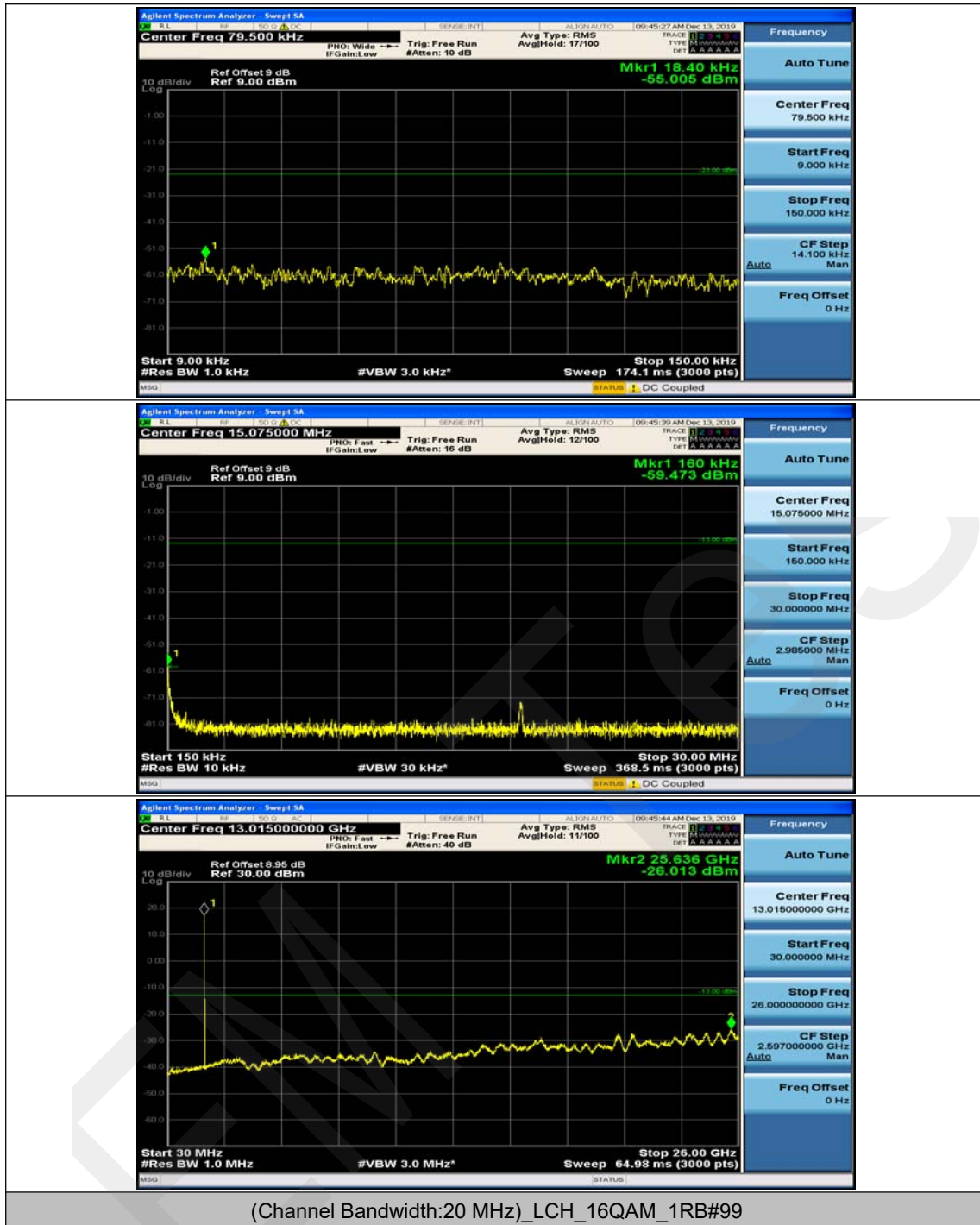


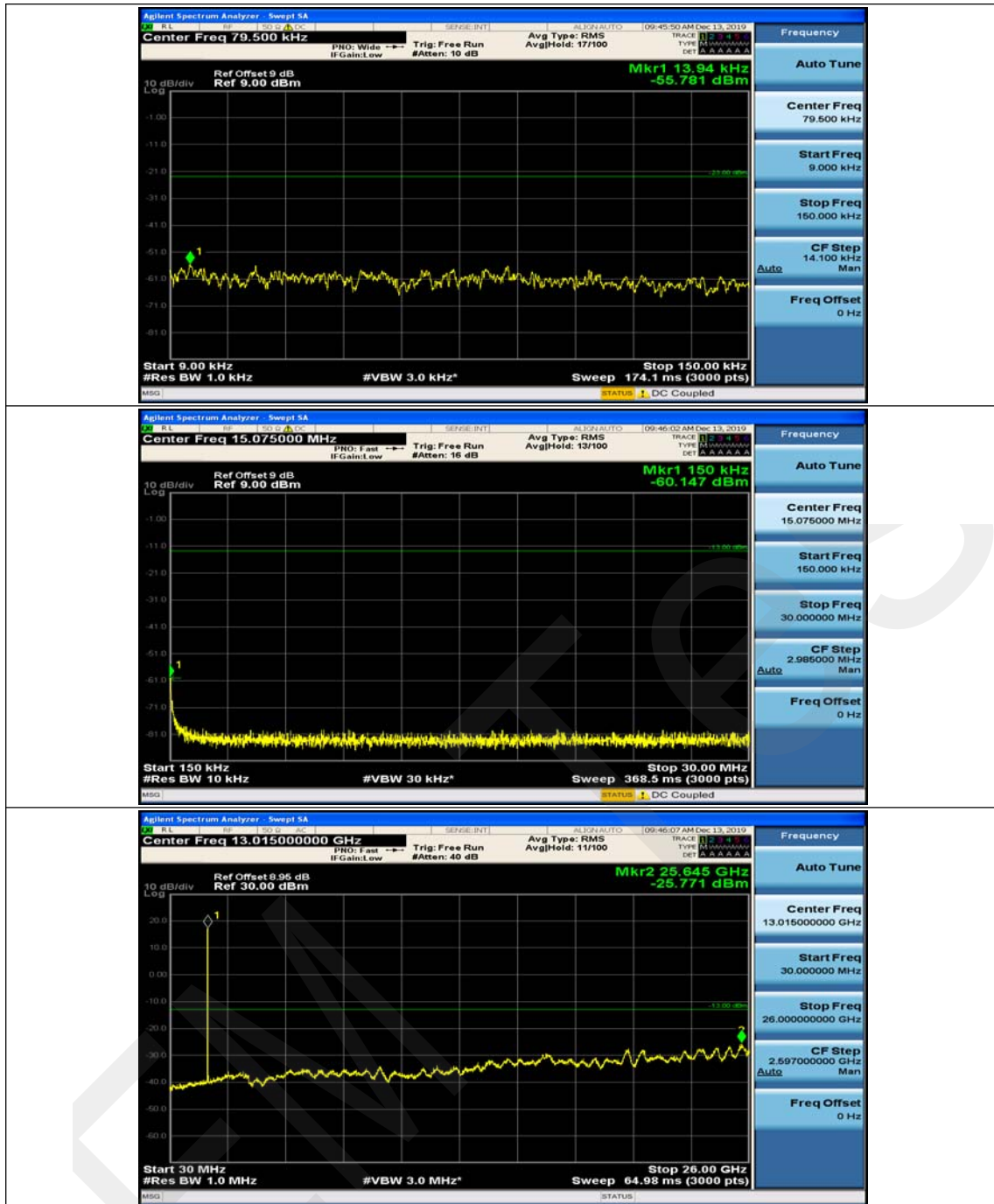


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

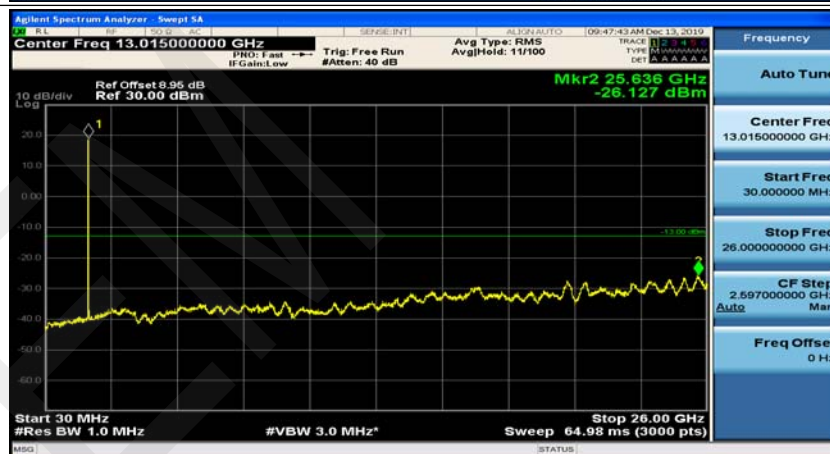
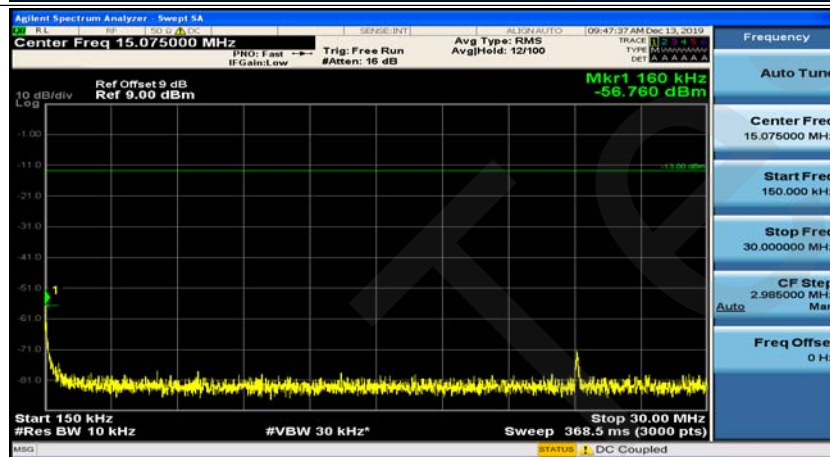
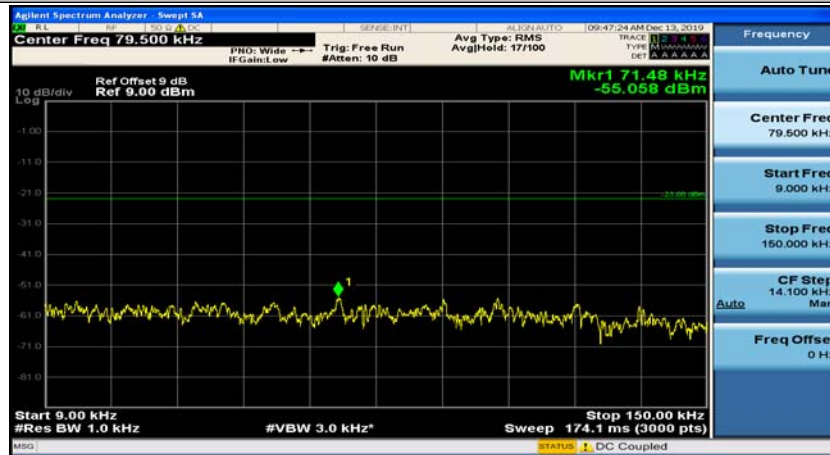


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

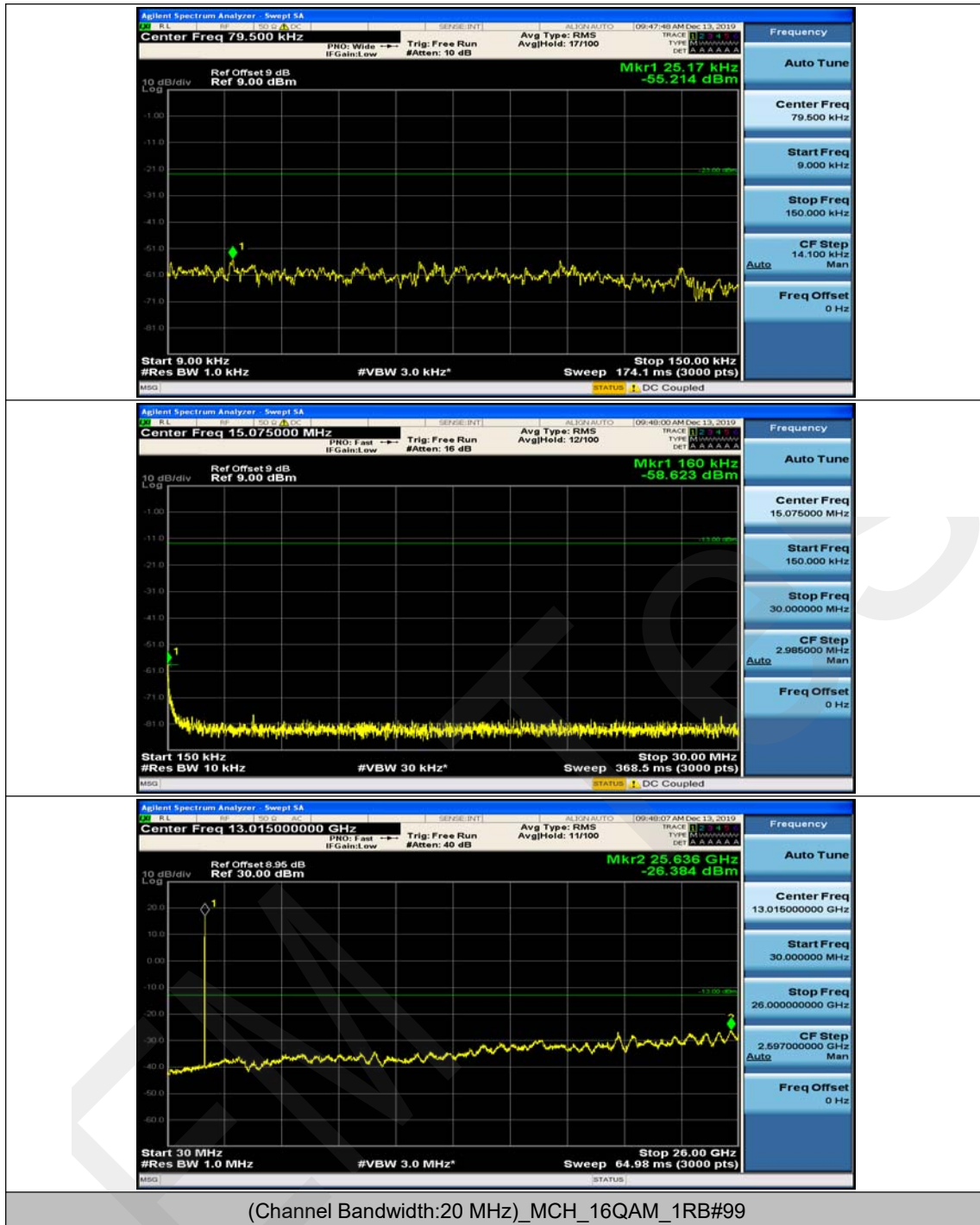


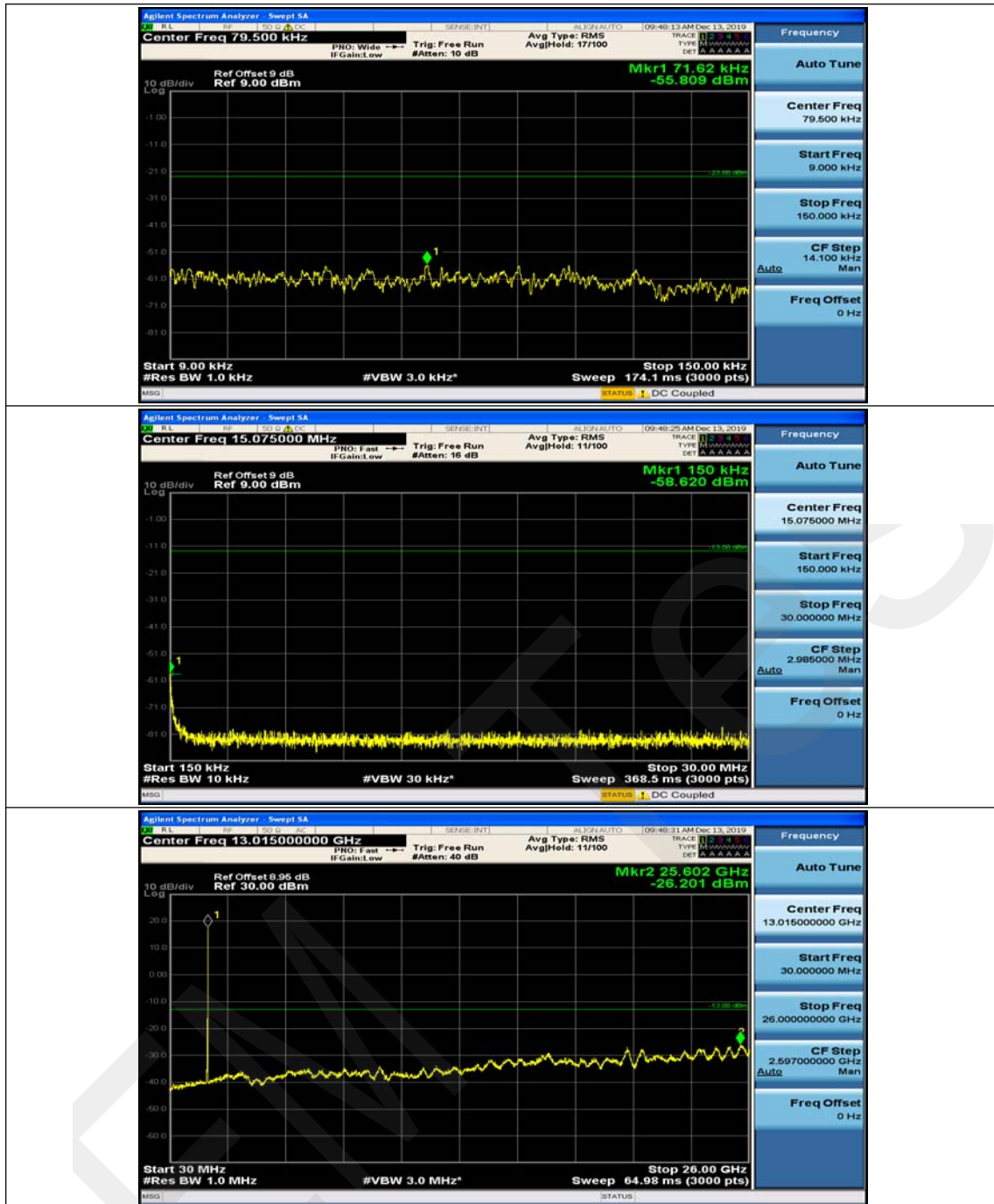


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

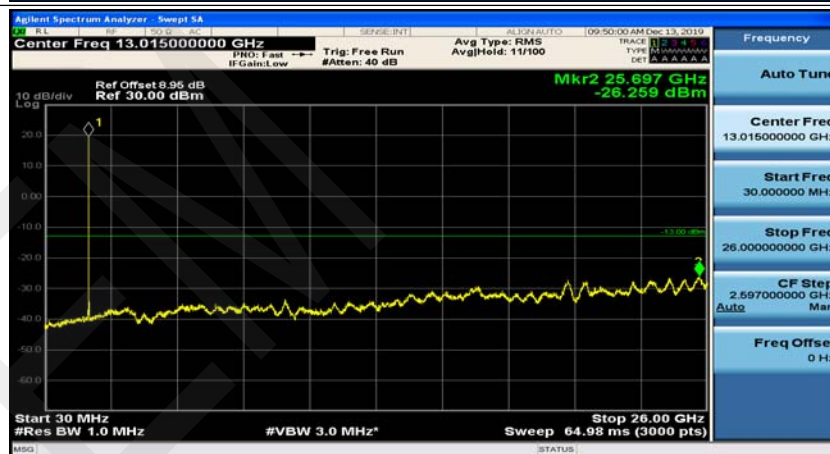
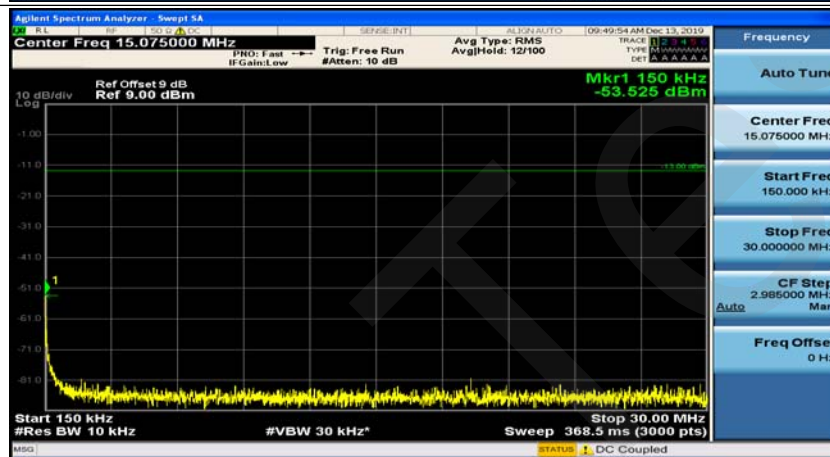
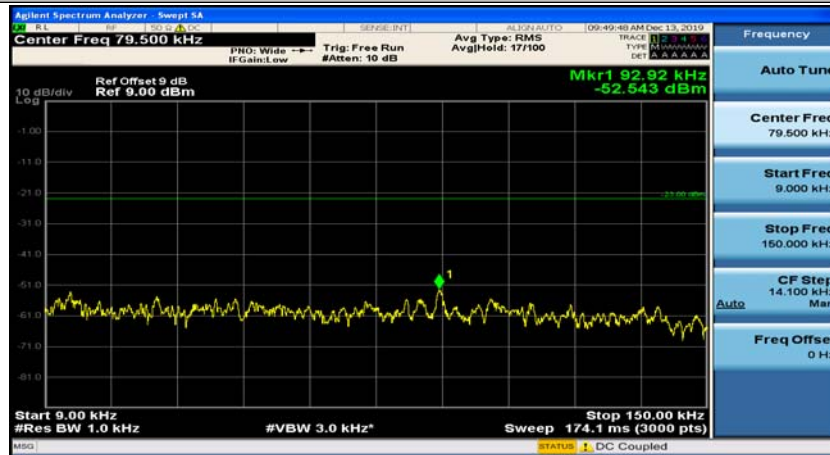


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

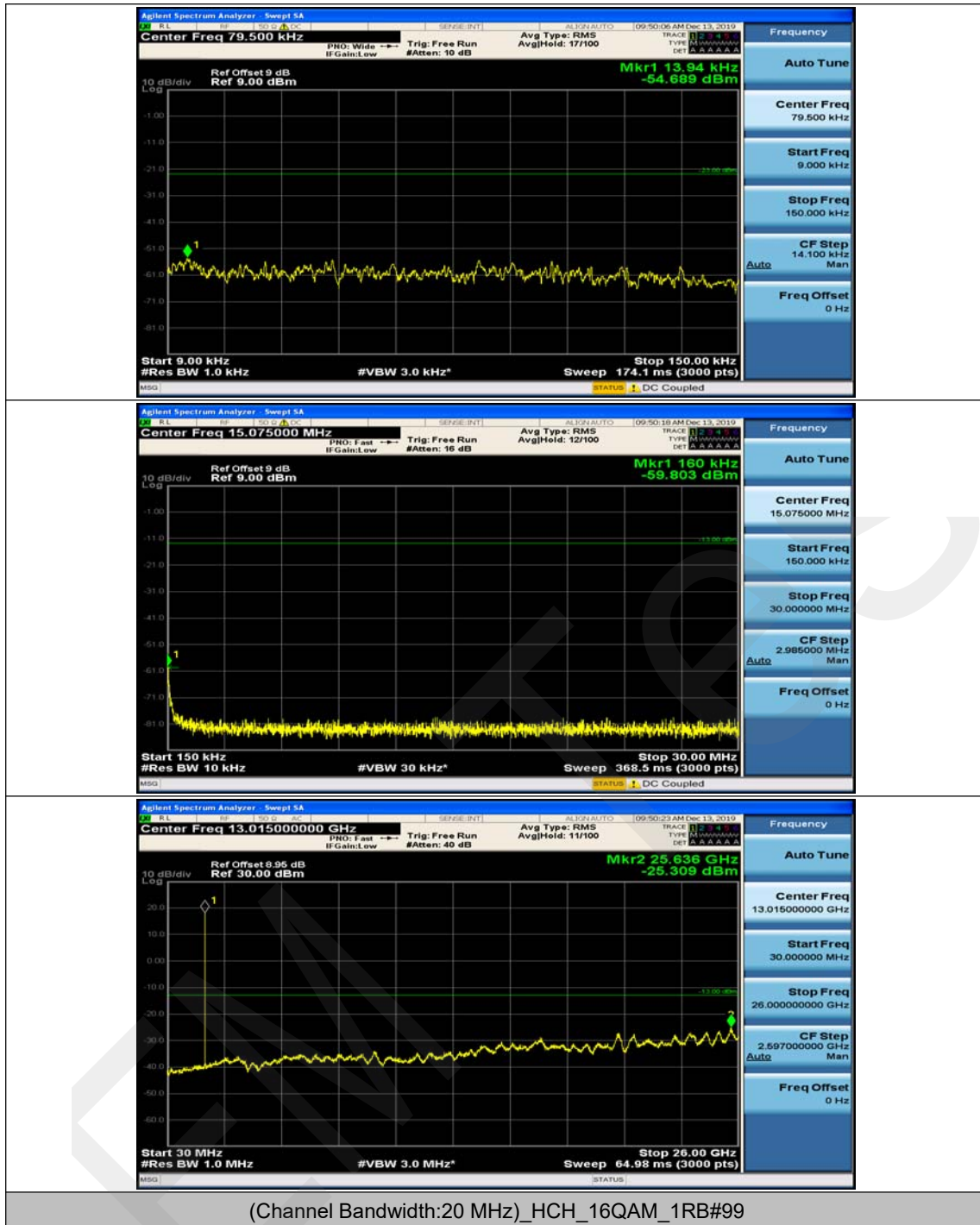


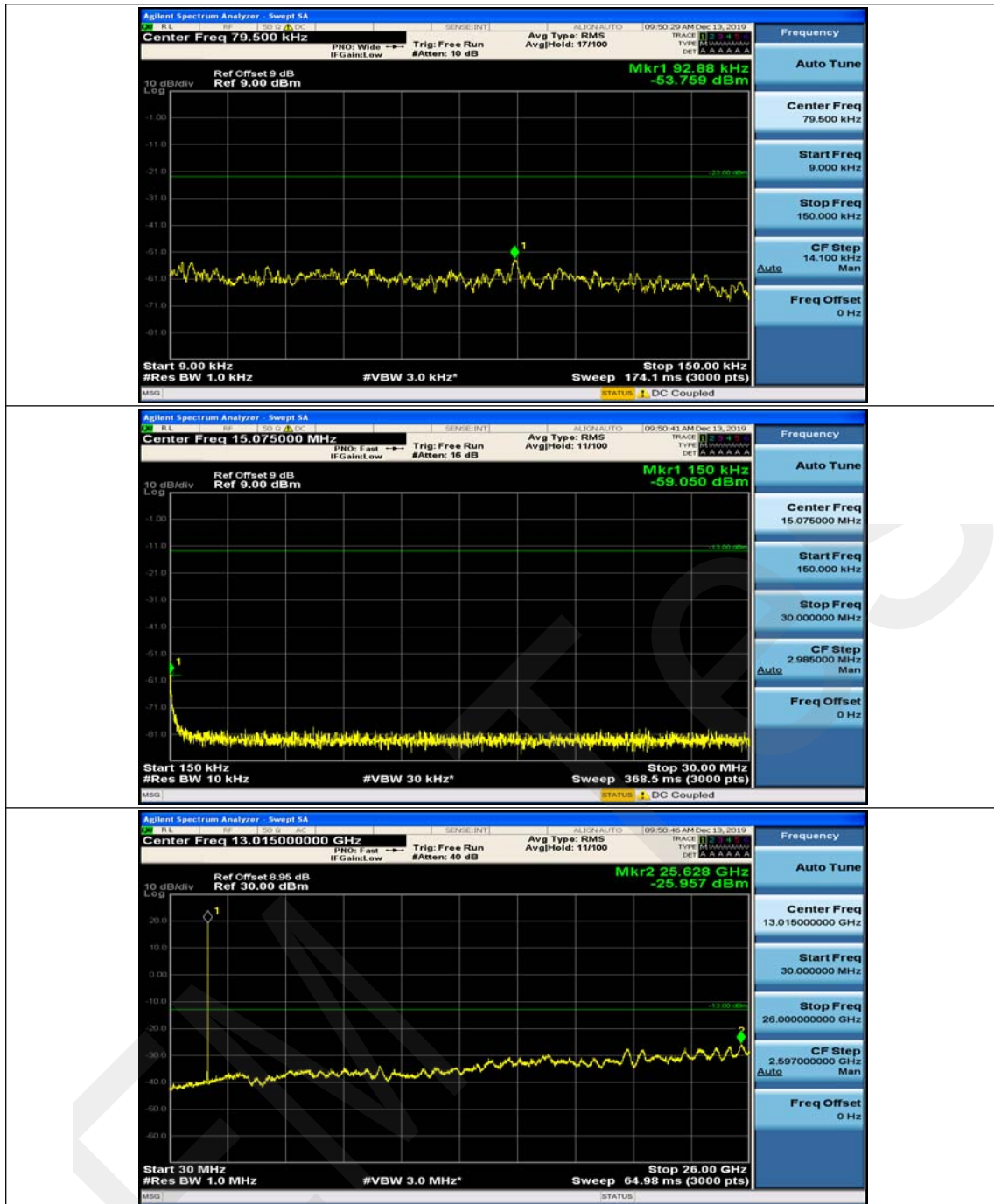


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_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	0.11	0.000064	± 2.5	PASS
		VN	TN	-0.88	-0.000514	± 2.5	PASS
		VH	TN	-1.91	-0.001117	± 2.5	PASS
	MCH	VL	TN	0.52	0.000300	± 2.5	PASS
		VN	TN	-1.26	-0.000727	± 2.5	PASS
		VH	TN	1.61	0.000929	± 2.5	PASS
	HCH	VL	TN	-0.72	-0.000410	± 2.5	PASS
		VN	TN	4.51	0.002571	± 2.5	PASS
		VH	TN	2.98	0.001699	± 2.5	PASS
16QAM	LCH	VL	TN	1.1	0.000643	± 2.5	PASS
		VN	TN	1.29	0.000754	± 2.5	PASS
		VH	TN	-0.91	-0.000532	± 2.5	PASS
	MCH	VL	TN	2.09	0.001206	± 2.5	PASS
		VN	TN	2	0.001154	± 2.5	PASS
		VH	TN	4.85	0.002799	± 2.5	PASS
	HCH	VL	TN	4.29	0.002445	± 2.5	PASS
		VN	TN	3.19	0.001818	± 2.5	PASS
		VH	TN	2.4	0.001368	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.23	-0.000134	± 2.5	PASS
		VN	-20	-1.14	-0.000666	± 2.5	PASS
		VN	-10	1.05	0.000614	± 2.5	PASS
		VN	0	-1.81	-0.001058	± 2.5	PASS
		VN	10	3.8	0.002221	± 2.5	PASS
		VN	20	1.69	0.000988	± 2.5	PASS
		VN	30	1.21	0.000707	± 2.5	PASS
		VN	40	2.93	0.001713	± 2.5	PASS
		VN	50	1.89	0.001105	± 2.5	PASS

	MCH	VN	-30	1.97	0.001137	± 2.5	PASS
		VN	-20	0.45	0.000260	± 2.5	PASS
		VN	-10	3.81	0.002199	± 2.5	PASS
		VN	0	4.18	0.002413	± 2.5	PASS
		VN	10	2.71	0.001564	± 2.5	PASS
		VN	20	1.45	0.000837	± 2.5	PASS
		VN	30	-0.78	-0.000450	± 2.5	PASS
		VN	40	2.52	0.001455	± 2.5	PASS
		VN	50	2.49	0.001437	± 2.5	PASS
	HCH	VN	-30	3.41	0.001944	± 2.5	PASS
		VN	-20	0.83	0.000473	± 2.5	PASS
		VN	-10	2.33	0.001328	± 2.5	PASS
		VN	0	2.06	0.001174	± 2.5	PASS
		VN	10	1.93	0.001100	± 2.5	PASS
		VN	20	0.69	0.000393	± 2.5	PASS
		VN	30	3.77	0.002149	± 2.5	PASS
		VN	40	0.28	0.000160	± 2.5	PASS
		VN	50	-0.06	-0.000034	± 2.5	PASS
16QAM	LCH	VN	-30	-1.67	-0.000976	± 2.5	PASS
		VN	-20	0.87	0.000509	± 2.5	PASS
		VN	-10	2.99	0.001748	± 2.5	PASS
		VN	0	2.52	0.001473	± 2.5	PASS
		VN	10	-1.17	-0.000684	± 2.5	PASS
		VN	20	2.47	0.001444	± 2.5	PASS
		VN	30	2.66	0.001555	± 2.5	PASS
		VN	40	1.93	0.001128	± 2.5	PASS
		VN	50	-1.1	-0.000643	± 2.5	PASS
	MCH	VN	-30	3.24	0.001847	± 2.5	PASS
		VN	-20	-1.08	-0.000616	± 2.5	PASS
		VN	-10	2.47	0.001408	± 2.5	PASS
		VN	0	1.8	0.001026	± 2.5	PASS
		VN	10	1.06	0.000604	± 2.5	PASS
		VN	20	1.07	0.000610	± 2.5	PASS
		VN	30	4.95	0.002822	± 2.5	PASS
		VN	40	2.57	0.001465	± 2.5	PASS
		VN	50	2.48	0.001414	± 2.5	PASS
	HCH	VN	-30	2.64	0.001505	± 2.5	PASS
		VN	-20	-1.12	-0.000638	± 2.5	PASS
		VN	-10	0.07	0.000040	± 2.5	PASS
		VN	0	0.9	0.000513	± 2.5	PASS
		VN	10	0.92	0.000524	± 2.5	PASS

		VN	20	3.45	0.001967	± 2.5	PASS
		VN	30	0.22	0.000125	± 2.5	PASS
		VN	40	4.79	0.002730	± 2.5	PASS
		VN	50	-1.36	-0.000775	± 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	-1.81	-0.001058	± 2.5	PASS
		VN	TN	2.87	0.001677	± 2.5	PASS
		VH	TN	1.04	0.000608	± 2.5	PASS
	MCH	VL	TN	1.69	0.000975	± 2.5	PASS
		VN	TN	4.28	0.002470	± 2.5	PASS
		VH	TN	-1.11	-0.000641	± 2.5	PASS
	HCH	VL	TN	-0.87	-0.000496	± 2.5	PASS
		VN	TN	0.52	0.000297	± 2.5	PASS
		VH	TN	-1.74	-0.000992	± 2.5	PASS
16QAM	LCH	VL	TN	0.97	0.000567	± 2.5	PASS
		VN	TN	-0.25	-0.000146	± 2.5	PASS
		VH	TN	3.67	0.002144	± 2.5	PASS
	MCH	VL	TN	-0.19	-0.000110	± 2.5	PASS
		VN	TN	1.49	0.000860	± 2.5	PASS
		VH	TN	-0.12	-0.000069	± 2.5	PASS
	HCH	VL	TN	2.45	0.001397	± 2.5	PASS
		VN	TN	2.1	0.001198	± 2.5	PASS
		VH	TN	0.26	0.000148	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.73	0.002764	± 2.5	PASS
		VN	-20	4.98	0.002910	± 2.5	PASS
		VN	-10	0.99	0.000578	± 2.5	PASS
		VN	0	-0.7	-0.000409	± 2.5	PASS
		VN	10	0.49	0.000286	± 2.5	PASS
		VN	20	-0.37	-0.000216	± 2.5	PASS
		VN	30	4.3	0.002512	± 2.5	PASS
		VN	40	-0.41	-0.000240	± 2.5	PASS
		VN	50	-1.49	-0.000871	± 2.5	PASS
	MCH	VN	-30	3.96	0.002286	± 2.5	PASS

		VN	-20	0.82	0.000473	± 2.5	PASS
		VN	-10	-1.55	-0.000895	± 2.5	PASS
		VN	0	0.11	0.000063	± 2.5	PASS
		VN	10	1.28	0.000739	± 2.5	PASS
		VN	20	-0.95	-0.000548	± 2.5	PASS
		VN	30	-0.03	-0.000017	± 2.5	PASS
		VN	40	3.47	0.002003	± 2.5	PASS
		VN	50	1.11	0.000641	± 2.5	PASS
	HCH	VN	-30	3.5	0.001996	± 2.5	PASS
		VN	-20	-1.88	-0.001072	± 2.5	PASS
		VN	-10	-0.82	-0.000468	± 2.5	PASS
		VN	0	3.83	0.002184	± 2.5	PASS
		VN	10	0.45	0.000257	± 2.5	PASS
		VN	20	4.53	0.002583	± 2.5	PASS
		VN	30	-0.19	-0.000108	± 2.5	PASS
		VN	40	2.99	0.001705	± 2.5	PASS
VN	50	2.23	0.001272	± 2.5	PASS		
16QAM	LCH	VN	-30	1.53	0.000883	± 2.5	PASS
		VN	-20	2.29	0.001322	± 2.5	PASS
		VN	-10	-0.11	-0.000063	± 2.5	PASS
		VN	0	4.76	0.002747	± 2.5	PASS
		VN	10	0	0.000000	± 2.5	PASS
		VN	20	0.5	0.000289	± 2.5	PASS
		VN	30	2.05	0.001183	± 2.5	PASS
		VN	40	0.12	0.000069	± 2.5	PASS
		VN	50	-0.2	-0.000115	± 2.5	PASS
	MCH	VN	-30	-0.49	-0.000279	± 2.5	PASS
		VN	-20	0.92	0.000525	± 2.5	PASS
		VN	-10	3.13	0.001785	± 2.5	PASS
		VN	0	3.02	0.001722	± 2.5	PASS
		VN	10	3.95	0.002253	± 2.5	PASS
		VN	20	1.39	0.000793	± 2.5	PASS
		VN	30	1.59	0.000907	± 2.5	PASS
		VN	40	0.64	0.000365	± 2.5	PASS
		VN	50	-0.36	-0.000205	± 2.5	PASS
	HCH	VN	-30	0.05	0.000029	± 2.5	PASS
		VN	-20	4.6	0.002623	± 2.5	PASS
		VN	-10	2.7	0.001540	± 2.5	PASS
		VN	0	4.16	0.002372	± 2.5	PASS
		VN	10	3.59	0.002047	± 2.5	PASS
		VN	20	-0.66	-0.000376	± 2.5	PASS

		VN	30	4.09	0.002332	± 2.5	PASS
		VN	40	-2	-0.001141	± 2.5	PASS
		VN	50	-1.02	-0.000582	± 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	4.58	0.002674	± 2.5	PASS
		VN	TN	1.93	0.001127	± 2.5	PASS
		VH	TN	-0.76	-0.000444	± 2.5	PASS
	MCH	VL	TN	-1.51	-0.000872	± 2.5	PASS
		VN	TN	1.52	0.000877	± 2.5	PASS
		VH	TN	0.5	0.000289	± 2.5	PASS
	HCH	VL	TN	-1.89	-0.001078	± 2.5	PASS
		VN	TN	-1.9	-0.001084	± 2.5	PASS
		VH	TN	2.09	0.001193	± 2.5	PASS
16QAM	LCH	VL	TN	-1.17	-0.000683	± 2.5	PASS
		VN	TN	-0.19	-0.000111	± 2.5	PASS
		VH	TN	-0.6	-0.000350	± 2.5	PASS
	MCH	VL	TN	-0.61	-0.000352	± 2.5	PASS
		VN	TN	1.88	0.001085	± 2.5	PASS
		VH	TN	0.27	0.000156	± 2.5	PASS
	HCH	VL	TN	1.3	0.000742	± 2.5	PASS
		VN	TN	1.18	0.000673	± 2.5	PASS
		VH	TN	4.84	0.002762	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.74	0.002184	± 2.5	PASS
		VN	-20	3.35	0.001956	± 2.5	PASS
		VN	-10	3.63	0.002120	± 2.5	PASS
		VN	0	3.56	0.002079	± 2.5	PASS
		VN	10	1.97	0.001150	± 2.5	PASS
		VN	20	2.44	0.001425	± 2.5	PASS
		VN	30	4.47	0.002610	± 2.5	PASS
		VN	40	3.23	0.001886	± 2.5	PASS
		VN	50	2.86	0.001670	± 2.5	PASS
	MCH	VN	-30	2.63	0.001518	± 2.5	PASS
		VN	-20	-1.09	-0.000629	± 2.5	PASS

		VN	-10	-1.37	-0.000791	± 2.5	PASS
		VN	0	2.38	0.001374	± 2.5	PASS
		VN	10	-1.14	-0.000658	± 2.5	PASS
		VN	20	3.31	0.001911	± 2.5	PASS
		VN	30	4.03	0.002326	± 2.5	PASS
		VN	40	2.85	0.001645	± 2.5	PASS
		VN	50	-0.76	-0.000439	± 2.5	PASS
	HCH	VN	-30	3.69	0.002106	± 2.5	PASS
		VN	-20	4.02	0.002107	± 2.5	PASS
		VN	-10	3.81	0.001997	± 2.5	PASS
		VN	0	-1.91	-0.001001	± 2.5	PASS
		VN	10	3.95	0.002071	± 2.5	PASS
		VN	20	1.65	0.000865	± 2.5	PASS
		VN	30	0.52	0.000273	± 2.5	PASS
		VN	40	0.72	0.000377	± 2.5	PASS
		VN	50	2.84	0.001489	± 2.5	PASS
16QAM	LCH	VN	-30	3.9	0.002251	± 2.5	PASS
		VN	-20	3.55	0.002049	± 2.5	PASS
		VN	-10	1.51	0.000872	± 2.5	PASS
		VN	0	-1.53	-0.000883	± 2.5	PASS
		VN	10	4.87	0.002811	± 2.5	PASS
		VN	20	2.38	0.001374	± 2.5	PASS
		VN	30	-1.75	-0.001010	± 2.5	PASS
		VN	40	0.62	0.000358	± 2.5	PASS
		VN	50	4.39	0.002534	± 2.5	PASS
	MCH	VN	-30	0.51	0.000291	± 2.5	PASS
		VN	-20	1.14	0.000650	± 2.5	PASS
		VN	-10	3.49	0.001991	± 2.5	PASS
		VN	0	4.78	0.002728	± 2.5	PASS
		VN	10	2.57	0.001466	± 2.5	PASS
		VN	20	3.34	0.001906	± 2.5	PASS
		VN	30	0.29	0.000165	± 2.5	PASS
		VN	40	0.72	0.000411	± 2.5	PASS
		VN	50	2.29	0.001307	± 2.5	PASS
	HCH	VN	-30	3.74	0.001961	± 2.5	PASS
		VN	-20	1.59	0.000834	± 2.5	PASS
		VN	-10	-1.29	-0.000676	± 2.5	PASS
		VN	0	1.95	0.001022	± 2.5	PASS
		VN	10	0.68	0.000356	± 2.5	PASS
		VN	20	0.64	0.000336	± 2.5	PASS
		VN	30	-1.38	-0.000723	± 2.5	PASS

		VN	40	4.66	0.002443	± 2.5	PASS
		VN	50	4.2	0.002202	± 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	-0.47	-0.000274	± 2.5	PASS
		VN	TN	0.41	0.000239	± 2.5	PASS
		VH	TN	2.08	0.001213	± 2.5	PASS
	MCH	VL	TN	0.87	0.000502	± 2.5	PASS
		VN	TN	3.84	0.002216	± 2.5	PASS
		VH	TN	0.62	0.000358	± 2.5	PASS
	HCH	VL	TN	0.44	0.000251	± 2.5	PASS
		VN	TN	-0.43	-0.000246	± 2.5	PASS
		VH	TN	-0.4	-0.000229	± 2.5	PASS
16QAM	LCH	VL	TN	2.36	0.001376	± 2.5	PASS
		VN	TN	3.12	0.001819	± 2.5	PASS
		VH	TN	1.89	0.001102	± 2.5	PASS
	MCH	VL	TN	3.56	0.002055	± 2.5	PASS
		VN	TN	-0.92	-0.000531	± 2.5	PASS
		VH	TN	-0.38	-0.000219	± 2.5	PASS
	HCH	VL	TN	0.01	0.000006	± 2.5	PASS
		VN	TN	-0.82	-0.000469	± 2.5	PASS
		VH	TN	2.51	0.001434	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.77	0.002198	± 2.5	PASS
		VN	-20	1.35	0.000787	± 2.5	PASS
		VN	-10	1.79	0.001044	± 2.5	PASS
		VN	0	3.97	0.002315	± 2.5	PASS
		VN	10	-0.41	-0.000239	± 2.5	PASS
		VN	20	3.36	0.001959	± 2.5	PASS
		VN	30	3.2	0.001866	± 2.5	PASS
		VN	40	0.43	0.000251	± 2.5	PASS
		VN	50	-1.66	-0.000968	± 2.5	PASS
	MCH	VN	-30	-1.95	-0.001126	± 2.5	PASS
		VN	-20	2.53	0.001460	± 2.5	PASS
		VN	-10	4.12	0.002378	± 2.5	PASS

		VN	0	2.83	0.001633	± 2.5	PASS
		VN	10	0.97	0.000560	± 2.5	PASS
		VN	20	1.34	0.000773	± 2.5	PASS
		VN	30	3.16	0.001824	± 2.5	PASS
		VN	40	-0.54	-0.000312	± 2.5	PASS
		VN	50	1.79	0.001033	± 2.5	PASS
	HCH	VN	-30	-0.41	-0.000234	± 2.5	PASS
		VN	-20	2.72	0.001554	± 2.5	PASS
		VN	-10	2.53	0.001446	± 2.5	PASS
		VN	0	-1.6	-0.000914	± 2.5	PASS
		VN	10	3.11	0.001777	± 2.5	PASS
		VN	20	-1.44	-0.000823	± 2.5	PASS
		VN	30	-1.57	-0.000897	± 2.5	PASS
		VN	40	2.28	0.001303	± 2.5	PASS
		VN	50	0.78	0.000446	± 2.5	PASS
QPSK	LCH	VN	-30	-0.51	-0.000294	± 2.5	PASS
		VN	-20	-1.67	-0.000964	± 2.5	PASS
		VN	-10	-0.72	-0.000416	± 2.5	PASS
		VN	0	0.61	0.000352	± 2.5	PASS
		VN	10	2.36	0.001362	± 2.5	PASS
		VN	20	4.83	0.002788	± 2.5	PASS
		VN	30	1.44	0.000831	± 2.5	PASS
		VN	40	4.85	0.002799	± 2.5	PASS
		VN	50	4.94	0.002851	± 2.5	PASS
	MCH	VN	-30	-1.42	-0.000811	± 2.5	PASS
		VN	-20	0.71	0.000406	± 2.5	PASS
		VN	-10	-1.67	-0.000954	± 2.5	PASS
		VN	0	-0.67	-0.000383	± 2.5	PASS
		VN	10	-0.34	-0.000194	± 2.5	PASS
		VN	20	2.71	0.001549	± 2.5	PASS
		VN	30	0.1	0.000057	± 2.5	PASS
		VN	40	3.76	0.002149	± 2.5	PASS
		VN	50	-0.19	-0.000109	± 2.5	PASS
	HCH	VN	-30	1.82	0.001040	± 2.5	PASS
		VN	-20	-1.34	-0.000766	± 2.5	PASS
		VN	-10	2.19	0.001251	± 2.5	PASS
		VN	0	0.67	0.000383	± 2.5	PASS
		VN	10	2.76	0.001577	± 2.5	PASS
		VN	20	-0.25	-0.000143	± 2.5	PASS
		VN	30	1.28	0.000731	± 2.5	PASS
		VN	40	1.97	0.001126	± 2.5	PASS

		VN	50	4.28	0.002446	± 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	4.18	0.002434	± 2.5	PASS
		VN	TN	4.98	0.002900	± 2.5	PASS
		VH	TN	4.86	0.002830	± 2.5	PASS
	MCH	VL	TN	1.57	0.000906	± 2.5	PASS
		VN	TN	3.46	0.001997	± 2.5	PASS
		VH	TN	4.04	0.002332	± 2.5	PASS
	HCH	VL	TN	3.47	0.001986	± 2.5	PASS
		VN	TN	1.52	0.000870	± 2.5	PASS
		VH	TN	2.64	0.001511	± 2.5	PASS
16QAM	LCH	VL	TN	3.01	0.001753	± 2.5	PASS
		VN	TN	2.51	0.001461	± 2.5	PASS
		VH	TN	2.81	0.001636	± 2.5	PASS
	MCH	VL	TN	-1.45	-0.000837	± 2.5	PASS
		VN	TN	-0.7	-0.000404	± 2.5	PASS
		VH	TN	0.8	0.000462	± 2.5	PASS
	HCH	VL	TN	-1.92	-0.001099	± 2.5	PASS
		VN	TN	-1.69	-0.000967	± 2.5	PASS
		VH	TN	4.68	0.002678	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.58	-0.000920	± 2.5	PASS
		VN	-20	2.44	0.001421	± 2.5	PASS
		VN	-10	-1.82	-0.001060	± 2.5	PASS
		VN	0	0	0.000000	± 2.5	PASS
		VN	10	-1.81	-0.001054	± 2.5	PASS
		VN	20	-1.45	-0.000844	± 2.5	PASS
		VN	30	3.08	0.001793	± 2.5	PASS
		VN	40	0.96	0.000559	± 2.5	PASS
		VN	50	-0.62	-0.000361	± 2.5	PASS
	MCH	VN	-30	3.71	0.002141	± 2.5	PASS
		VN	-20	0.75	0.000433	± 2.5	PASS
		VN	-10	-0.43	-0.000248	± 2.5	PASS
		VN	0	0.25	0.000144	± 2.5	PASS

		VN	10	-0.8	-0.000462	± 2.5	PASS
		VN	20	1.26	0.000727	± 2.5	PASS
		VN	30	3.44	0.001986	± 2.5	PASS
		VN	40	-1	-0.000577	± 2.5	PASS
		VN	50	1.64	0.000947	± 2.5	PASS
	HCH	VN	-30	1.19	0.000681	± 2.5	PASS
		VN	-20	4.99	0.002856	± 2.5	PASS
		VN	-10	0.37	0.000212	± 2.5	PASS
		VN	0	-1.23	-0.000704	± 2.5	PASS
		VN	10	-0.7	-0.000401	± 2.5	PASS
		VN	20	4.77	0.002730	± 2.5	PASS
		VN	30	3.07	0.001757	± 2.5	PASS
		VN	40	0.12	0.000069	± 2.5	PASS
		VN	50	3.14	0.001797	± 2.5	PASS
		VN	-30	2.1	0.001212	± 2.5	PASS
		VN	-20	4.93	0.002846	± 2.5	PASS
		VN	-10	1.77	0.001022	± 2.5	PASS
		VN	0	3.57	0.002061	± 2.5	PASS
		VN	10	3.26	0.001882	± 2.5	PASS
		VN	20	1.09	0.000629	± 2.5	PASS
16QAM	LCH	VN	30	-1.25	-0.000722	± 2.5	PASS
		VN	40	2.08	0.001201	± 2.5	PASS
		VN	50	0.7	0.000404	± 2.5	PASS
	MCH	VN	-30	-1.26	-0.000721	± 2.5	PASS
		VN	-20	3.54	0.002026	± 2.5	PASS
		VN	-10	-1.31	-0.000750	± 2.5	PASS
		VN	0	2.02	0.001156	± 2.5	PASS
		VN	10	-0.34	-0.000195	± 2.5	PASS
		VN	20	-0.69	-0.000395	± 2.5	PASS
		VN	30	1.95	0.001116	± 2.5	PASS
		VN	40	-0.85	-0.000486	± 2.5	PASS
		VN	50	1.53	0.000876	± 2.5	PASS
	HCH	VN	-30	3.6	0.002060	± 2.5	PASS
		VN	-20	-0.15	-0.000086	± 2.5	PASS
		VN	-10	3.07	0.001757	± 2.5	PASS
		VN	0	3.46	0.001980	± 2.5	PASS
		VN	10	-0.47	-0.000269	± 2.5	PASS
		VN	20	0.35	0.000200	± 2.5	PASS
		VN	30	3.44	0.001969	± 2.5	PASS
		VN	40	4.03	0.002306	± 2.5	PASS
		VN	50	4.26	0.002438	± 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	4.13	0.002401	± 2.5	PASS
		VN	TN	3.8	0.002209	± 2.5	PASS
		VH	TN	-1.69	-0.000983	± 2.5	PASS
	MCH	VL	TN	2.97	0.001714	± 2.5	PASS
		VN	TN	-0.78	-0.000450	± 2.5	PASS
		VH	TN	2.4	0.001385	± 2.5	PASS
	HCH	VL	TN	2.08	0.001192	± 2.5	PASS
		VN	TN	-0.06	-0.000034	± 2.5	PASS
		VH	TN	4.82	0.002762	± 2.5	PASS
16QAM	LCH	VL	TN	-1.42	-0.000826	± 2.5	PASS
		VN	TN	4.4	0.002558	± 2.5	PASS
		VH	TN	-1.54	-0.000895	± 2.5	PASS
	MCH	VL	TN	4.59	0.002649	± 2.5	PASS
		VN	TN	-0.63	-0.000364	± 2.5	PASS
		VH	TN	4.07	0.002349	± 2.5	PASS
	HCH	VL	TN	4.91	0.002814	± 2.5	PASS
		VN	TN	2.49	0.001427	± 2.5	PASS
		VH	TN	3.86	0.002212	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.65	0.002122	± 2.5	PASS
		VN	-20	1.54	0.000895	± 2.5	PASS
		VN	-10	1.29	0.000750	± 2.5	PASS
		VN	0	2.52	0.001465	± 2.5	PASS
		VN	10	0.05	0.000029	± 2.5	PASS
		VN	20	3.28	0.001907	± 2.5	PASS
		VN	30	2.47	0.001436	± 2.5	PASS
		VN	40	-1.81	-0.001052	± 2.5	PASS
		VN	50	-0.95	-0.000552	± 2.5	PASS
	MCH	VN	-30	2.99	0.001726	± 2.5	PASS
		VN	-20	3.9	0.002251	± 2.5	PASS
		VN	-10	4.2	0.002424	± 2.5	PASS
		VN	0	1.82	0.001051	± 2.5	PASS
		VN	10	4.84	0.002794	± 2.5	PASS

		VN	20	2.93	0.001691	± 2.5	PASS
		VN	30	3.03	0.001749	± 2.5	PASS
		VN	40	2.12	0.001224	± 2.5	PASS
		VN	50	1.32	0.000762	± 2.5	PASS
	HCH	VN	-30	3.57	0.002046	± 2.5	PASS
		VN	-20	3.1	0.001777	± 2.5	PASS
		VN	-10	3.51	0.002011	± 2.5	PASS
		VN	0	0.76	0.000436	± 2.5	PASS
		VN	10	-0.61	-0.000350	± 2.5	PASS
		VN	20	3.24	0.001857	± 2.5	PASS
		VN	30	4.91	0.002814	± 2.5	PASS
		VN	40	-0.81	-0.000464	± 2.5	PASS
		VN	50	4.34	0.002487	± 2.5	PASS
16QAM	LCH	VN	-30	0.99	0.000571	± 2.5	PASS
		VN	-20	-0.63	-0.000364	± 2.5	PASS
		VN	-10	0.31	0.000179	± 2.5	PASS
		VN	0	3.34	0.001928	± 2.5	PASS
		VN	10	4.05	0.002338	± 2.5	PASS
		VN	20	-0.75	-0.000433	± 2.5	PASS
		VN	30	0.66	0.000381	± 2.5	PASS
		VN	40	1.73	0.000999	± 2.5	PASS
		VN	50	3.73	0.002153	± 2.5	PASS
	MCH	VN	-30	2.15	0.001232	± 2.5	PASS
		VN	-20	3.89	0.002229	± 2.5	PASS
		VN	-10	-1.87	-0.001072	± 2.5	PASS
		VN	0	2.3	0.001318	± 2.5	PASS
		VN	10	2.09	0.001198	± 2.5	PASS
		VN	20	2.66	0.001524	± 2.5	PASS
		VN	30	-0.58	-0.000332	± 2.5	PASS
		VN	40	1.65	0.000946	± 2.5	PASS
		VN	50	3.59	0.002057	± 2.5	PASS
	HCH	VN	-30	3.21	0.001840	± 2.5	PASS
		VN	-20	2.72	0.001559	± 2.5	PASS
		VN	-10	-1.75	-0.001003	± 2.5	PASS
		VN	0	-0.78	-0.000447	± 2.5	PASS
		VN	10	4.45	0.002550	± 2.5	PASS
		VN	20	3.62	0.002074	± 2.5	PASS
		VN	30	-1.33	-0.000762	± 2.5	PASS
		VN	40	-0.7	-0.000401	± 2.5	PASS
		VN	50	-1.43	-0.000819	± 2.5	PASS