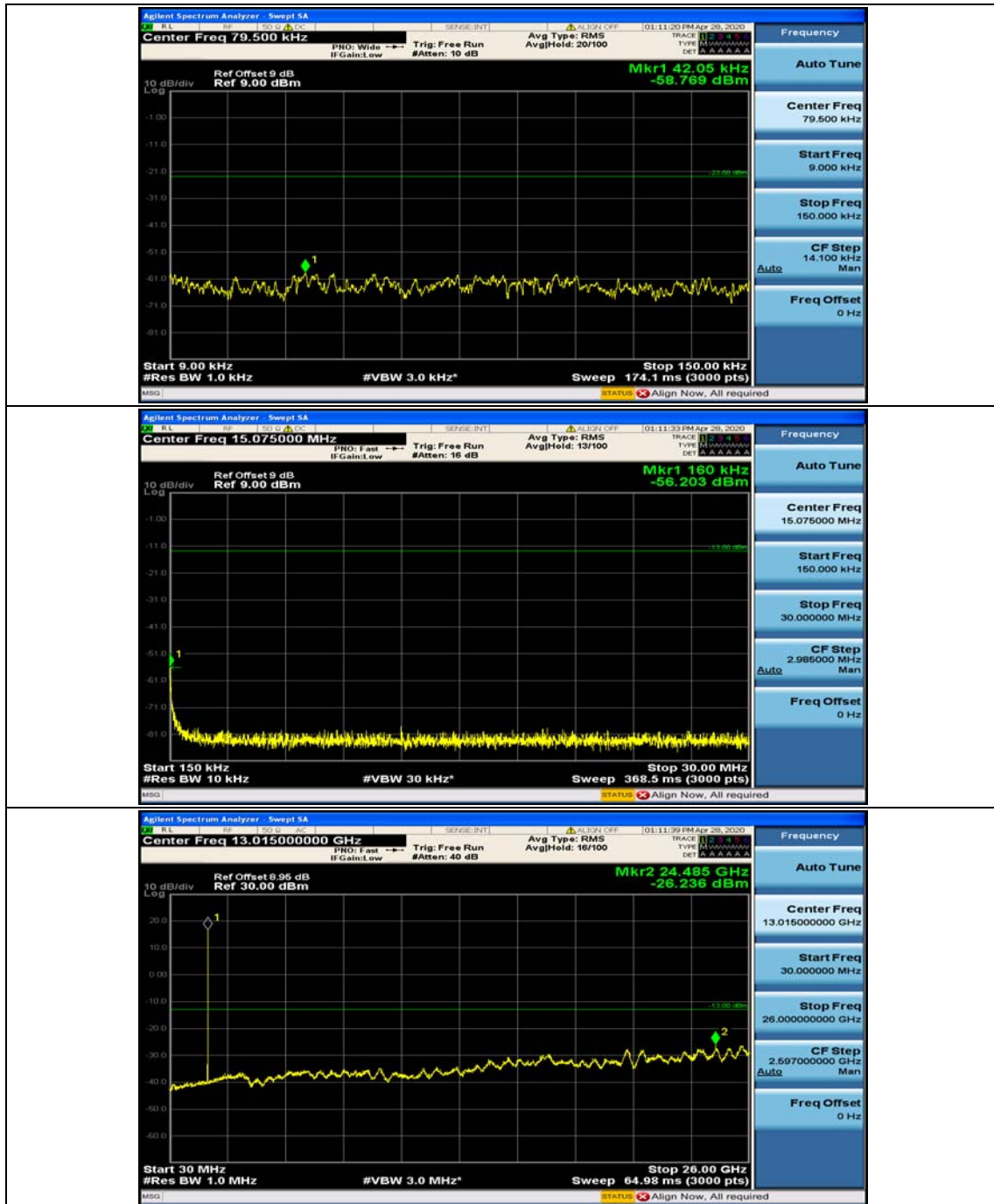
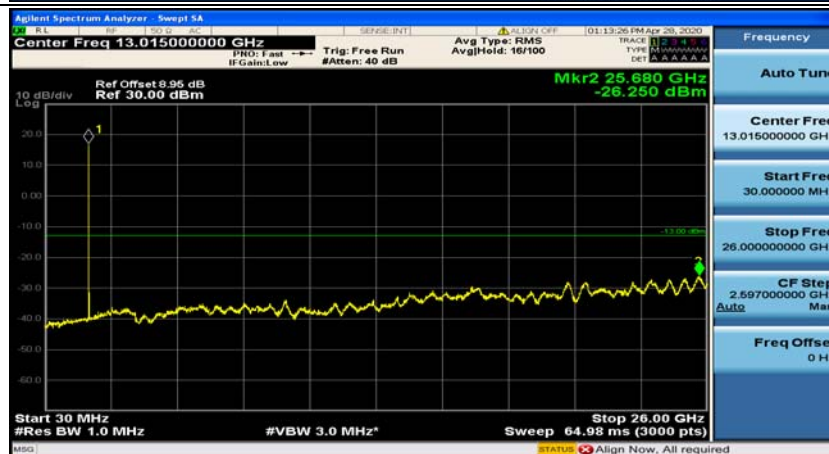
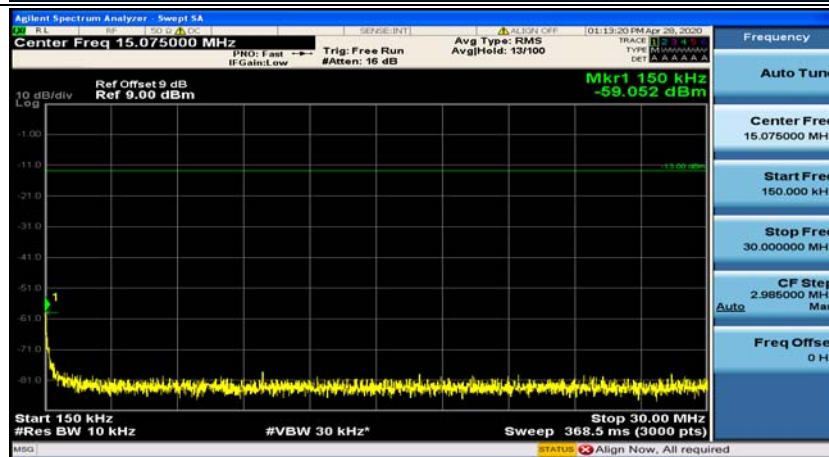
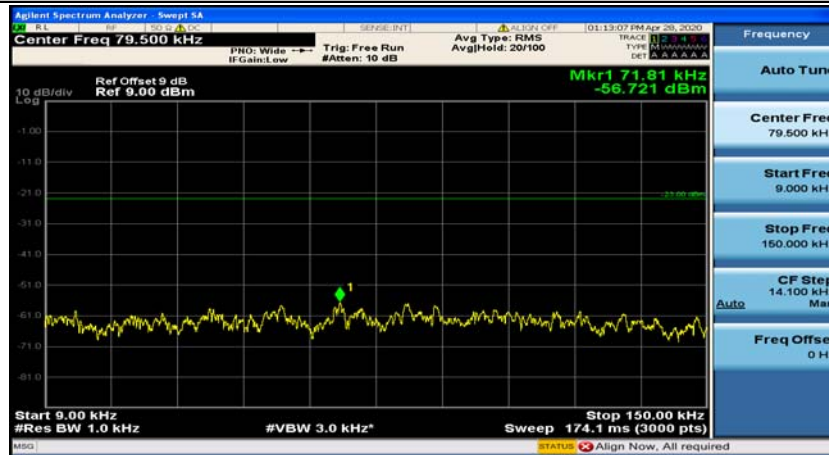
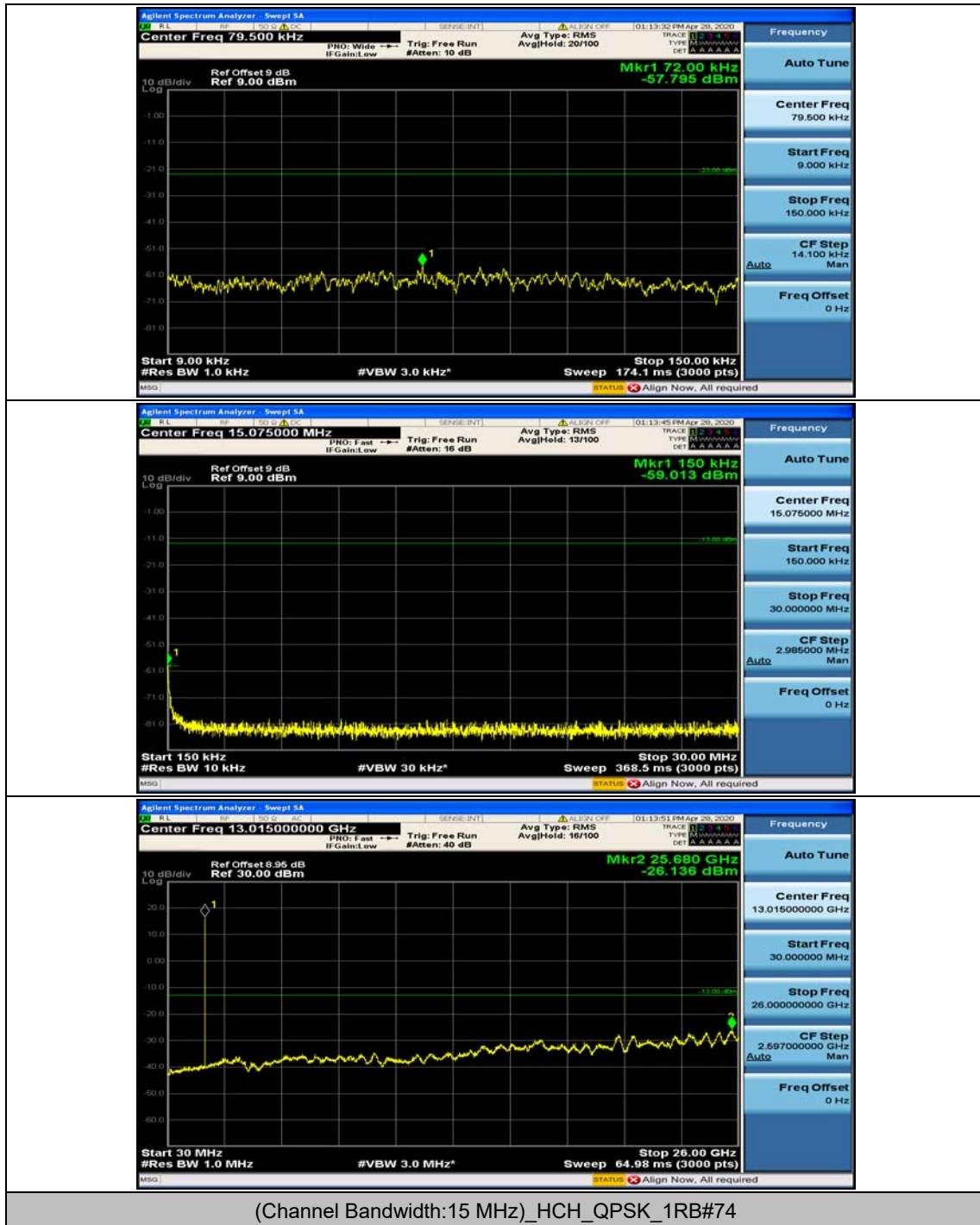


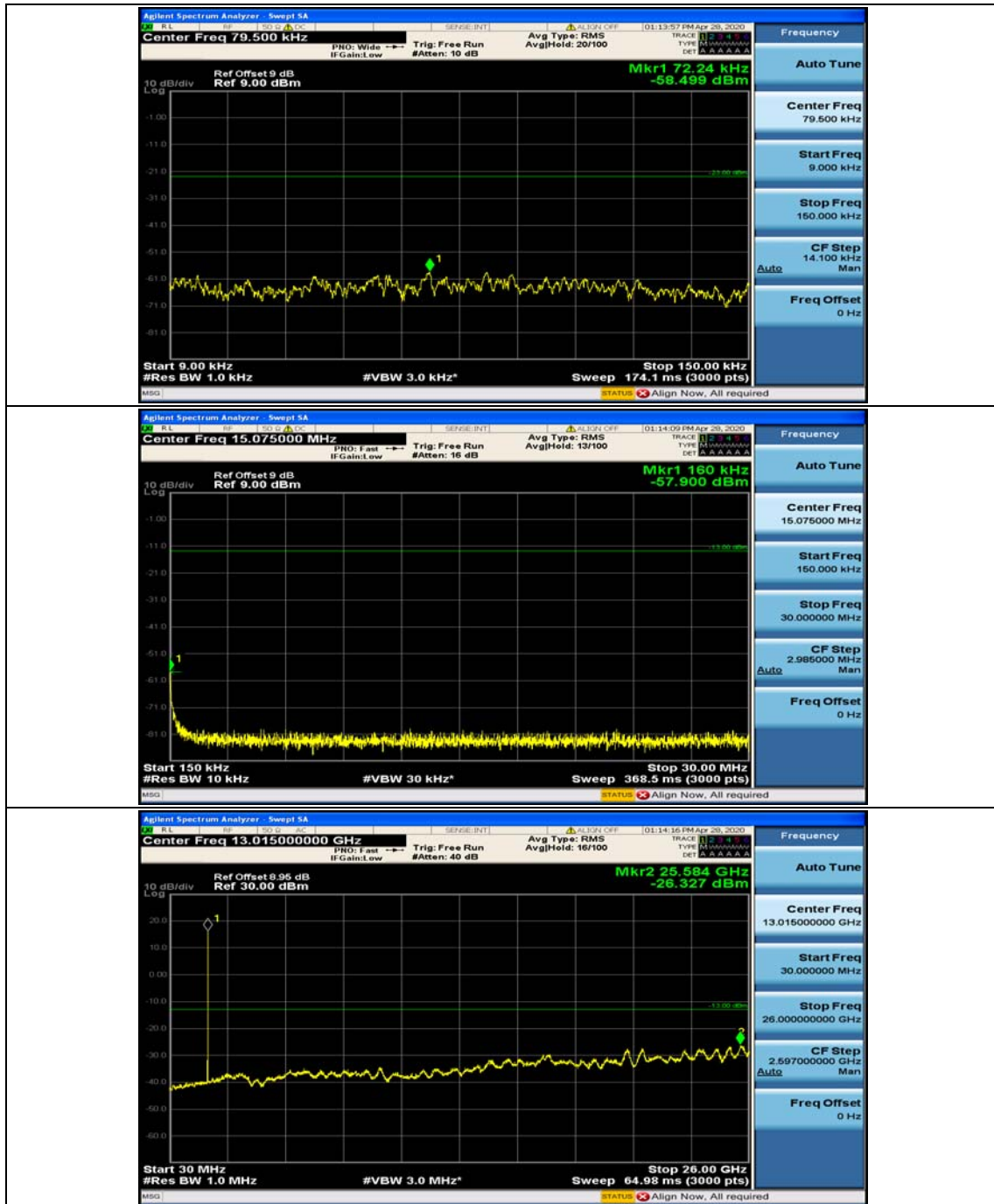


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



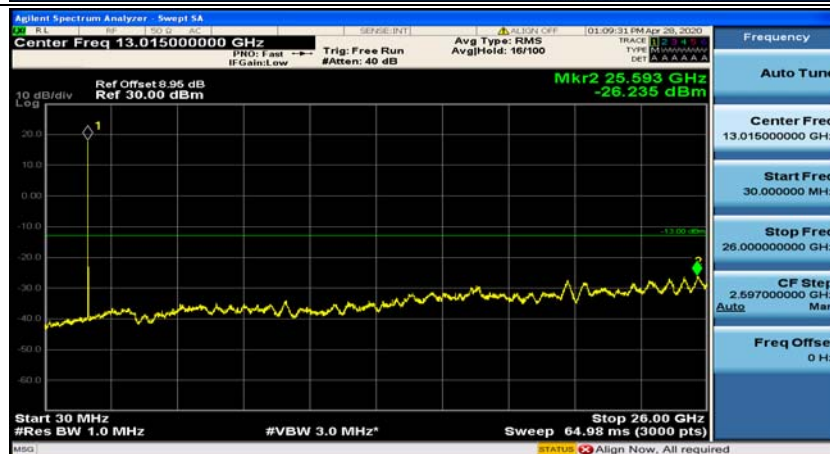
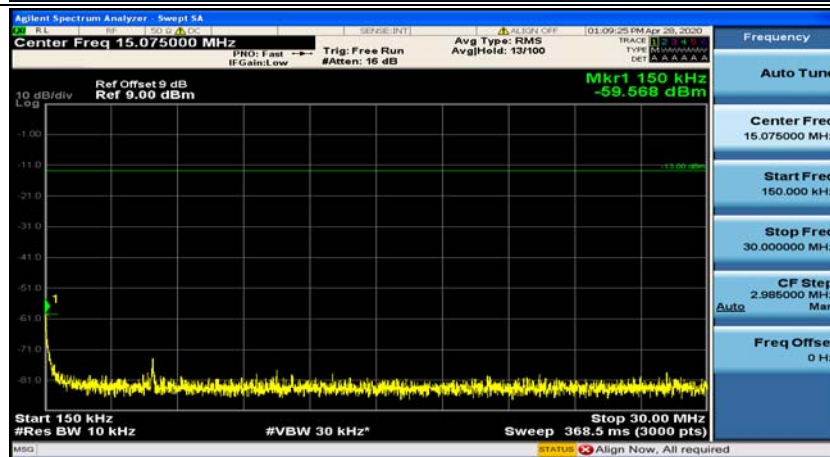
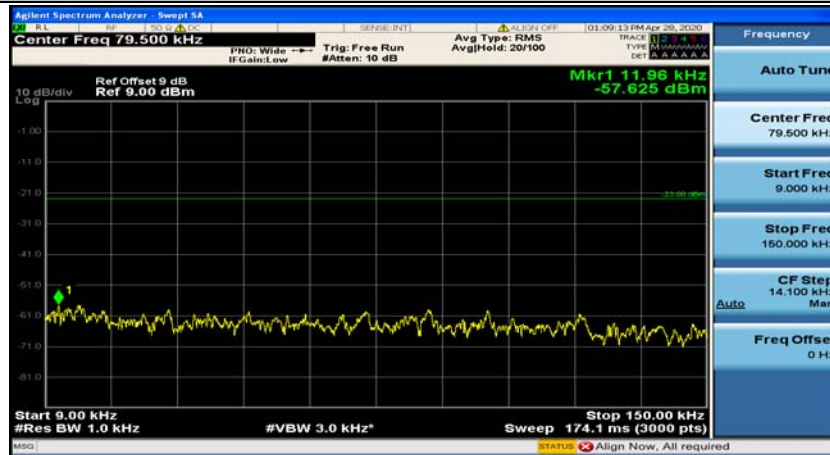
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



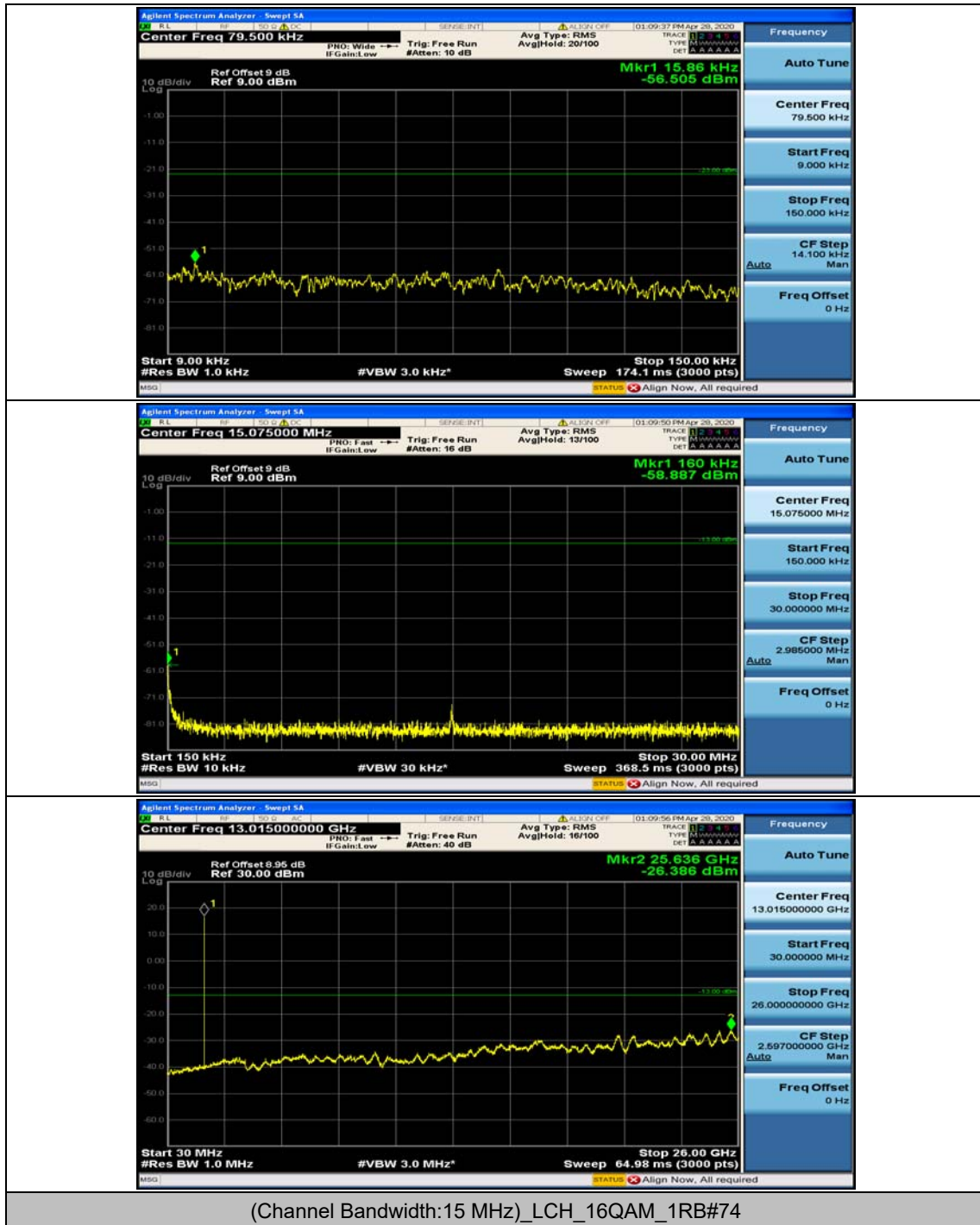


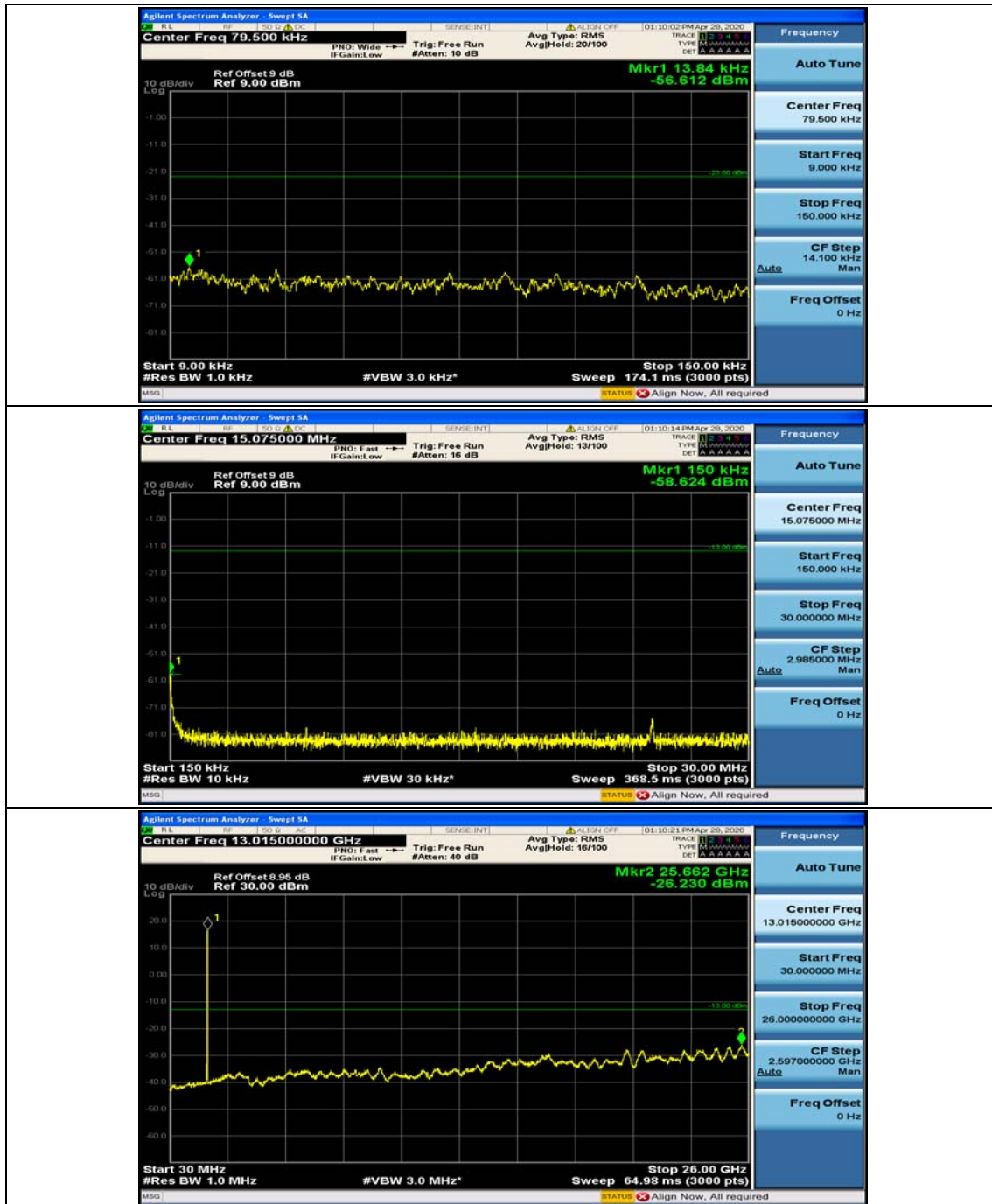


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

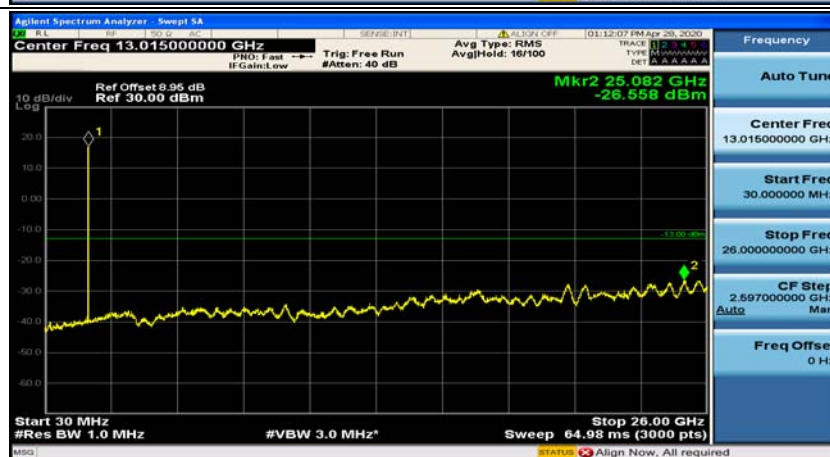
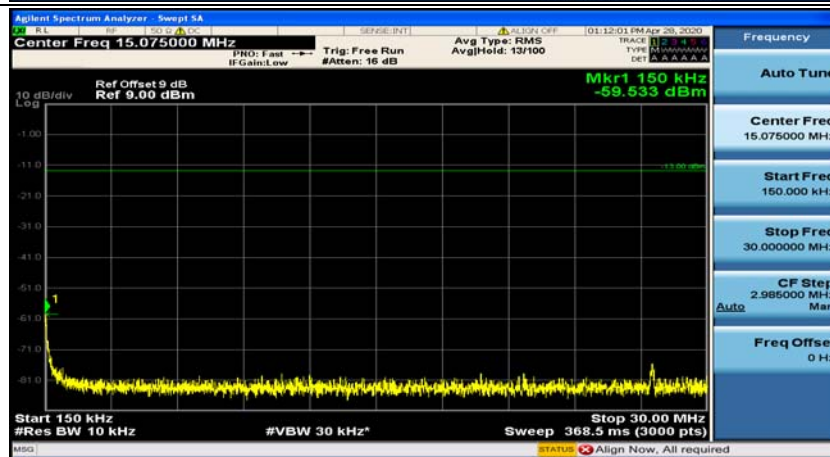


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

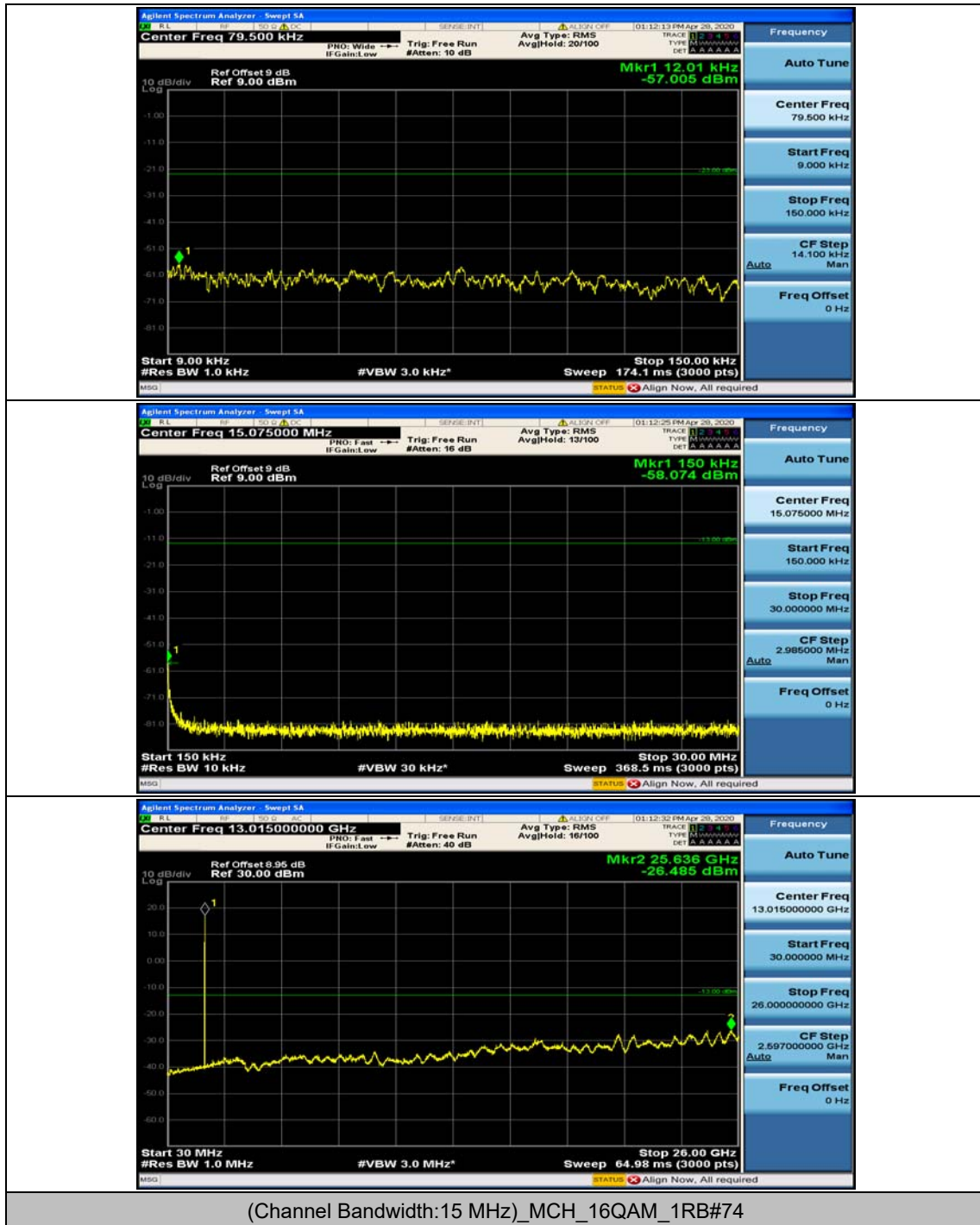


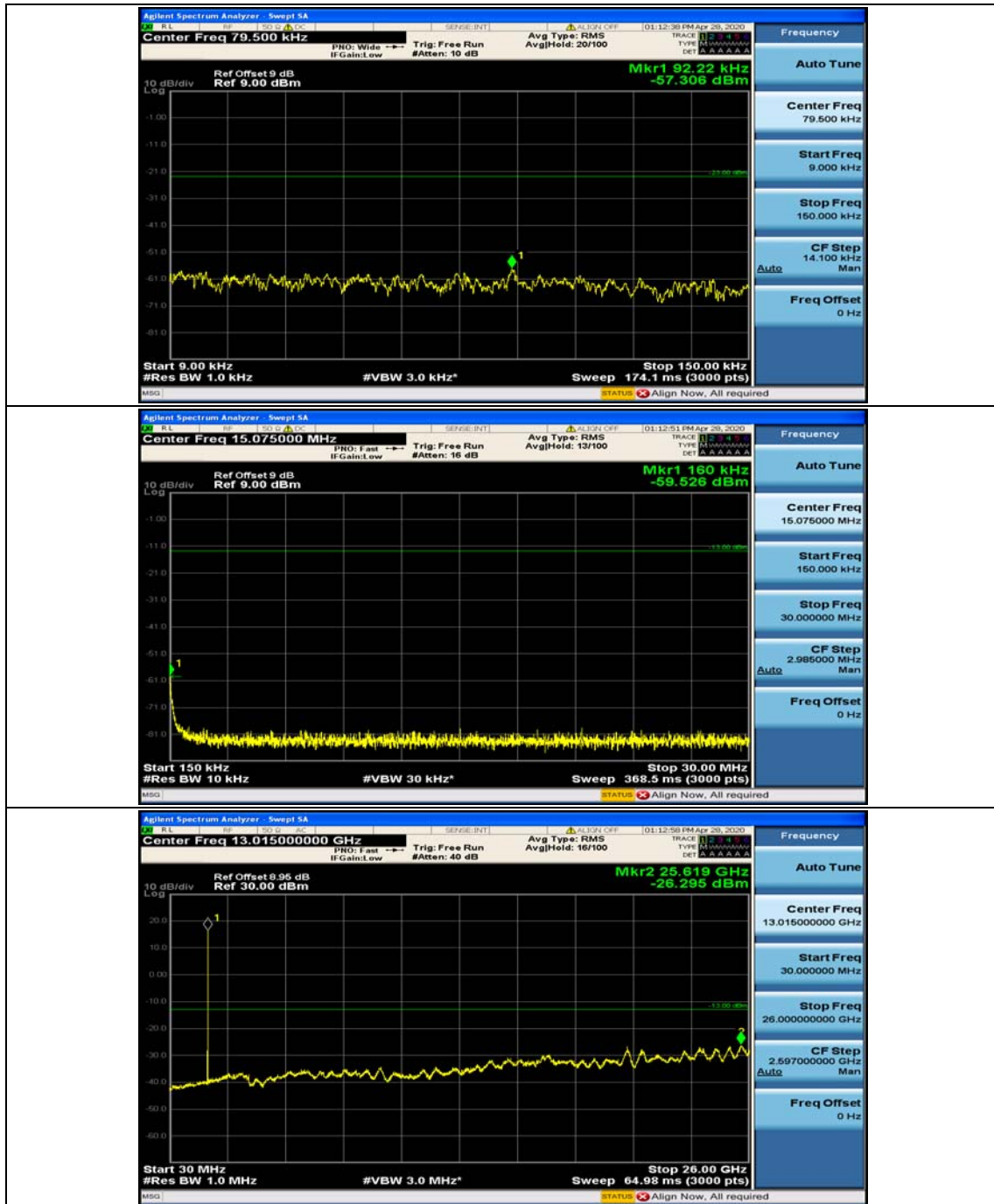


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

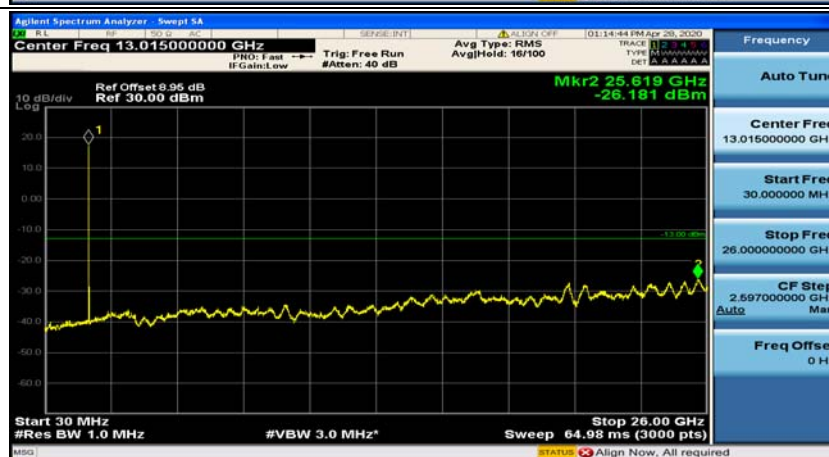
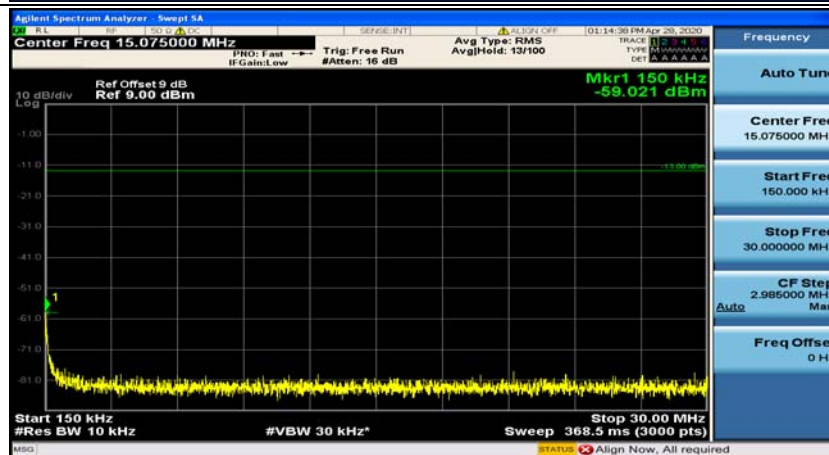


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

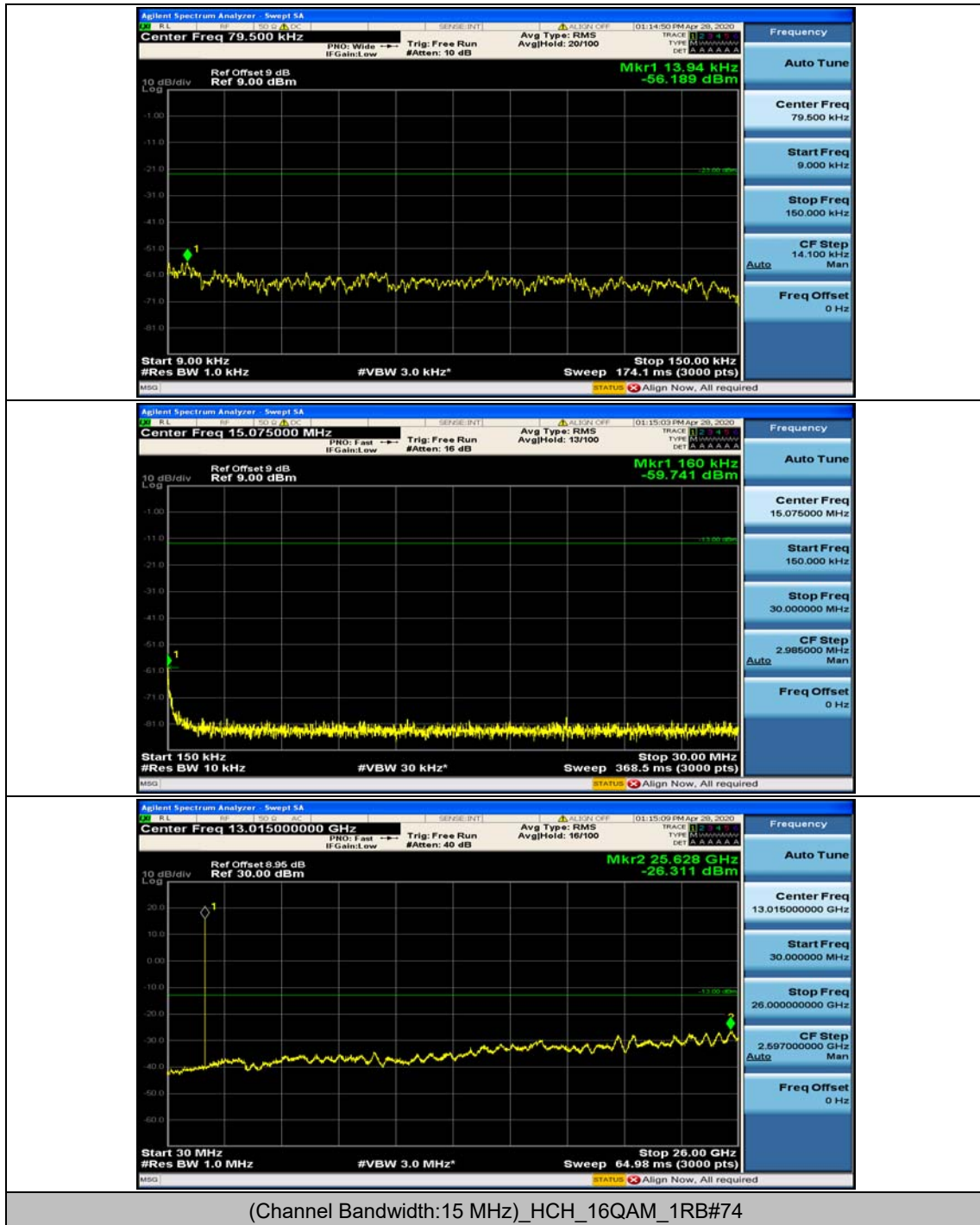


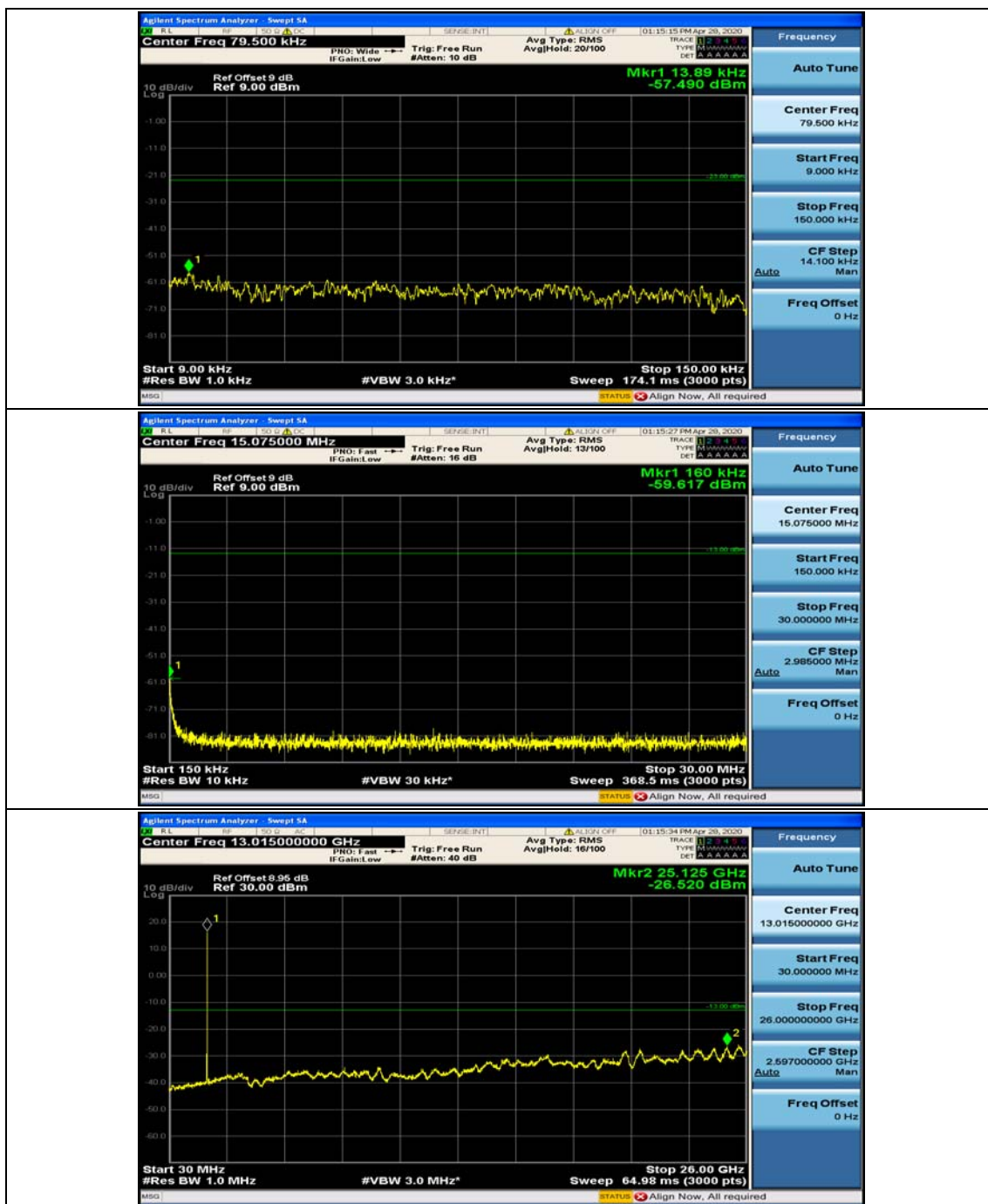


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

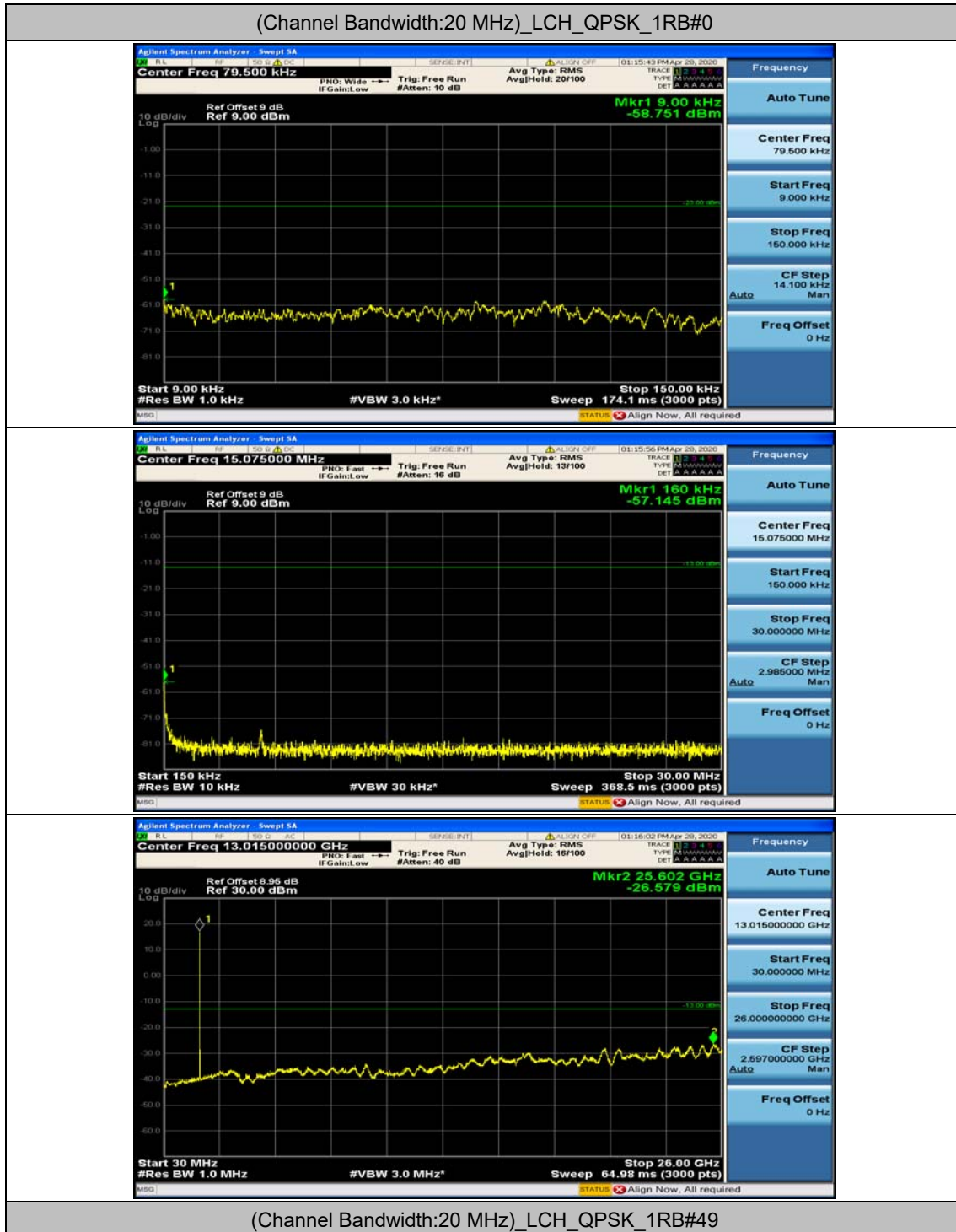


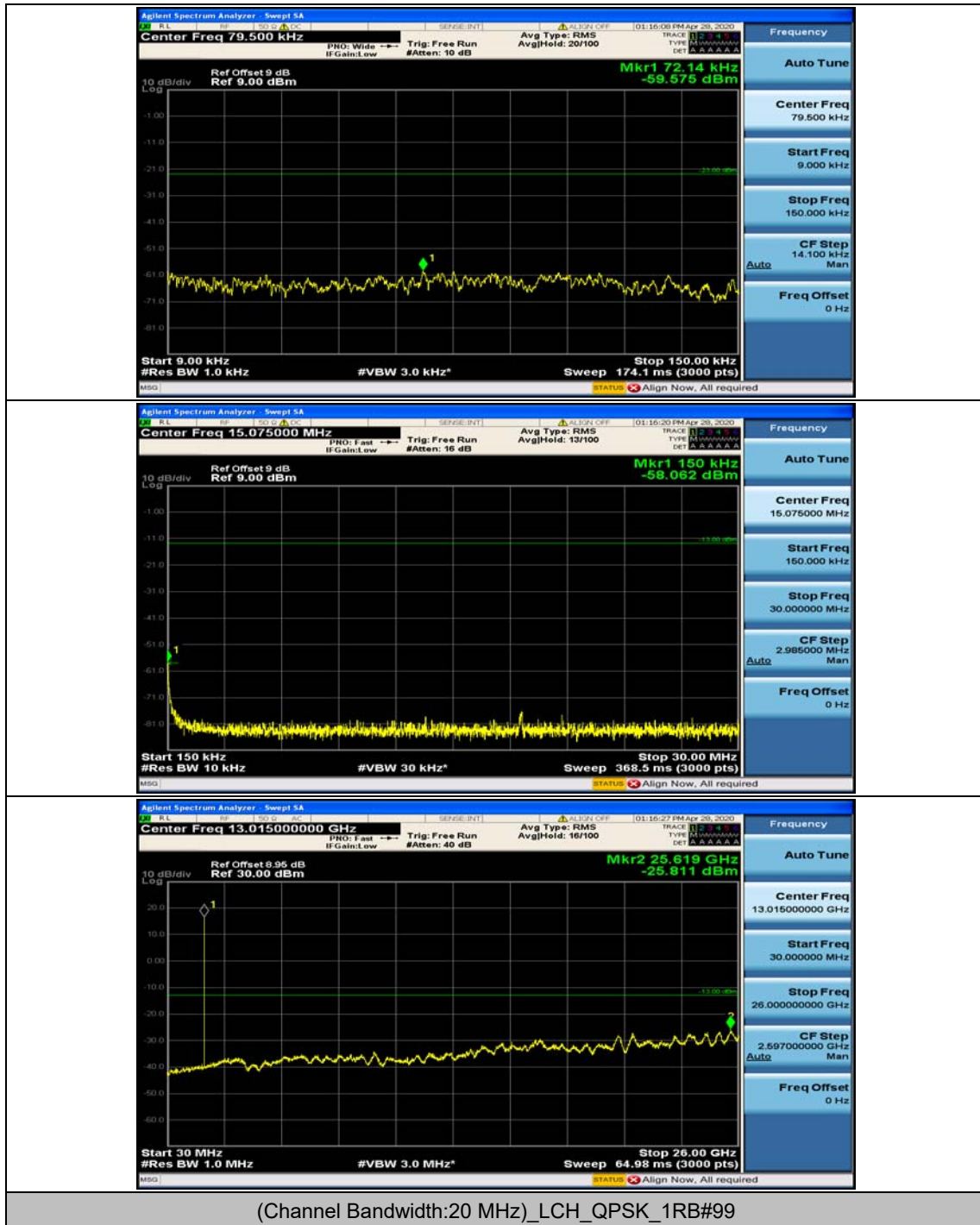
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

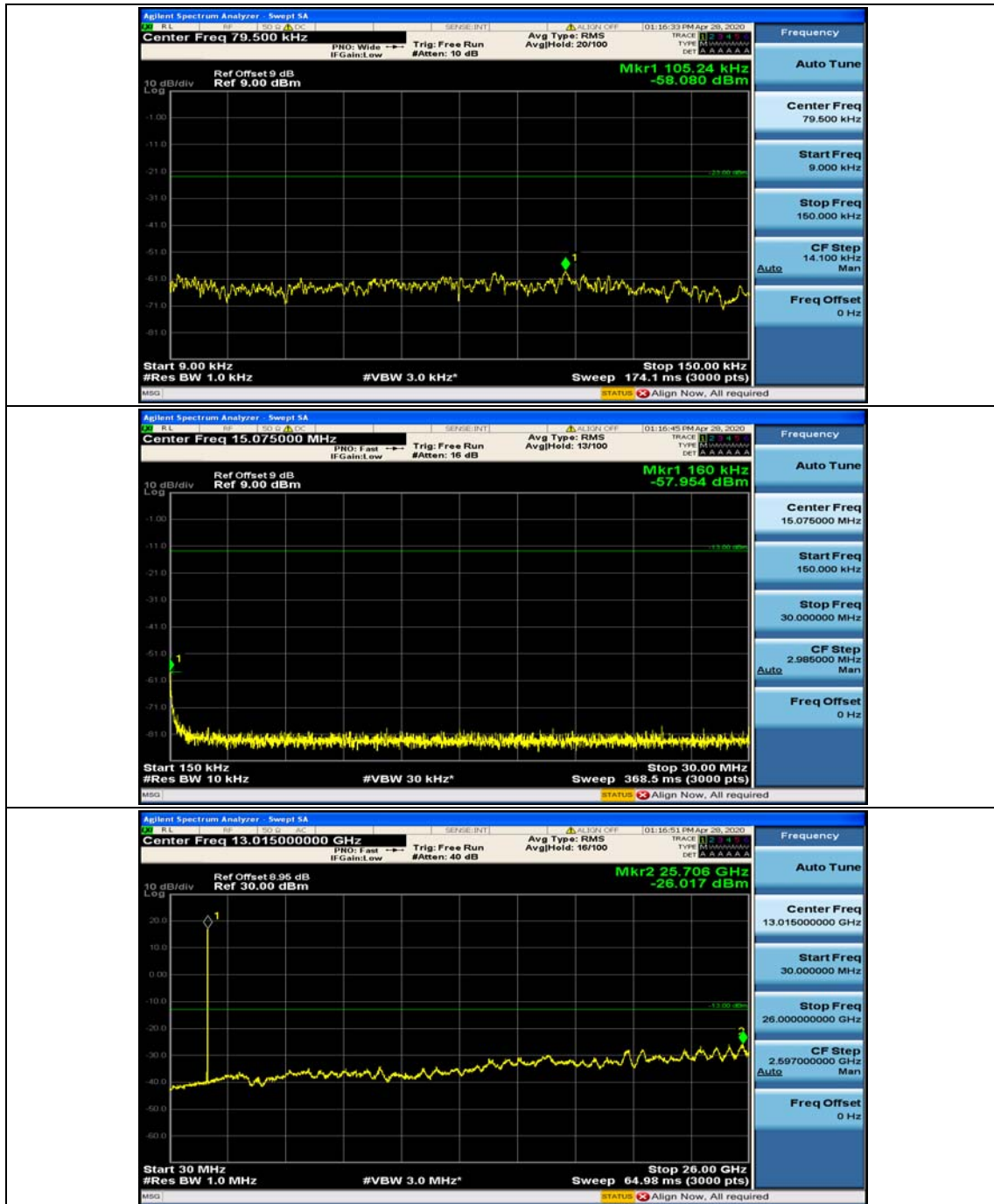




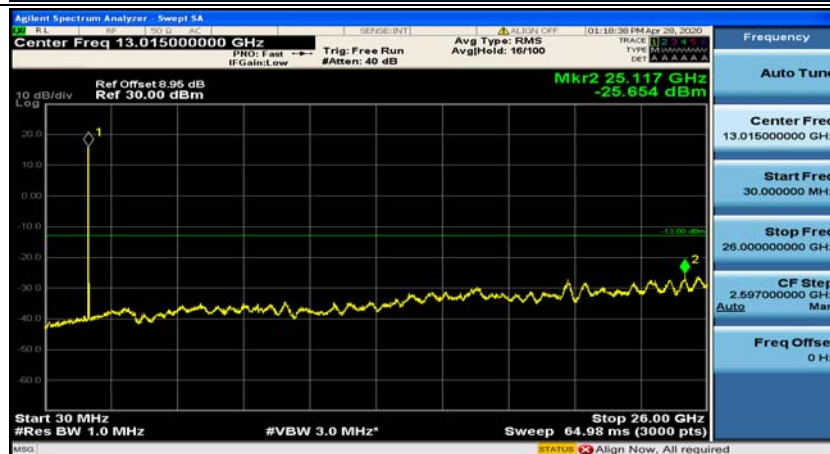
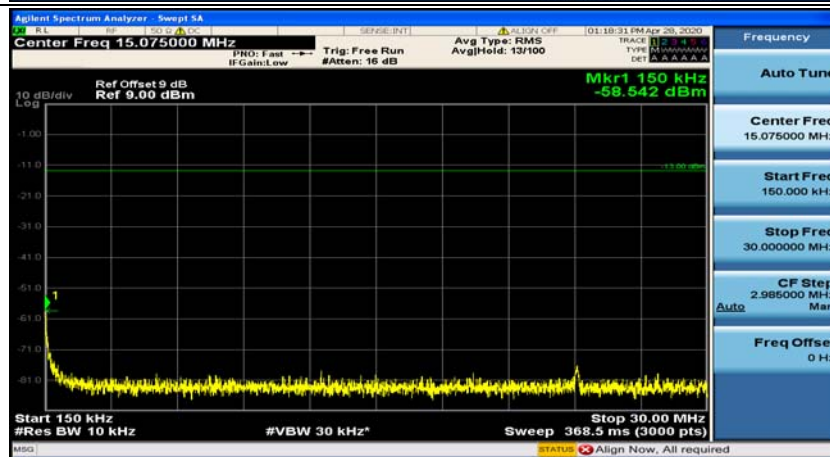
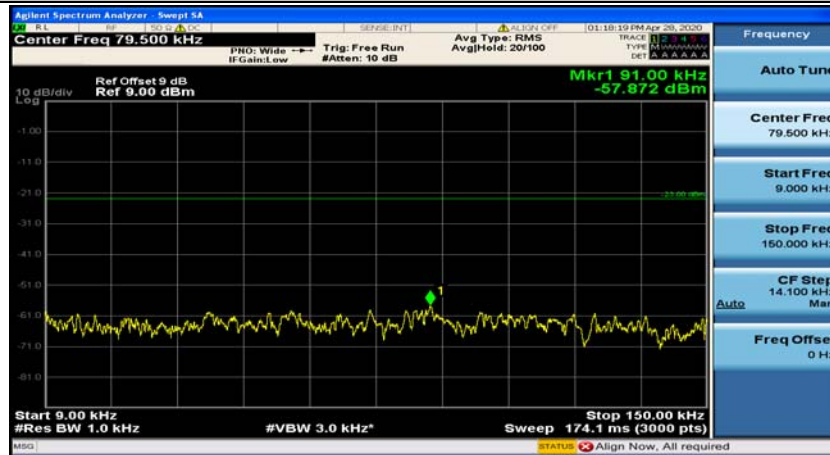
Channel Bandwidth: 20 MHz



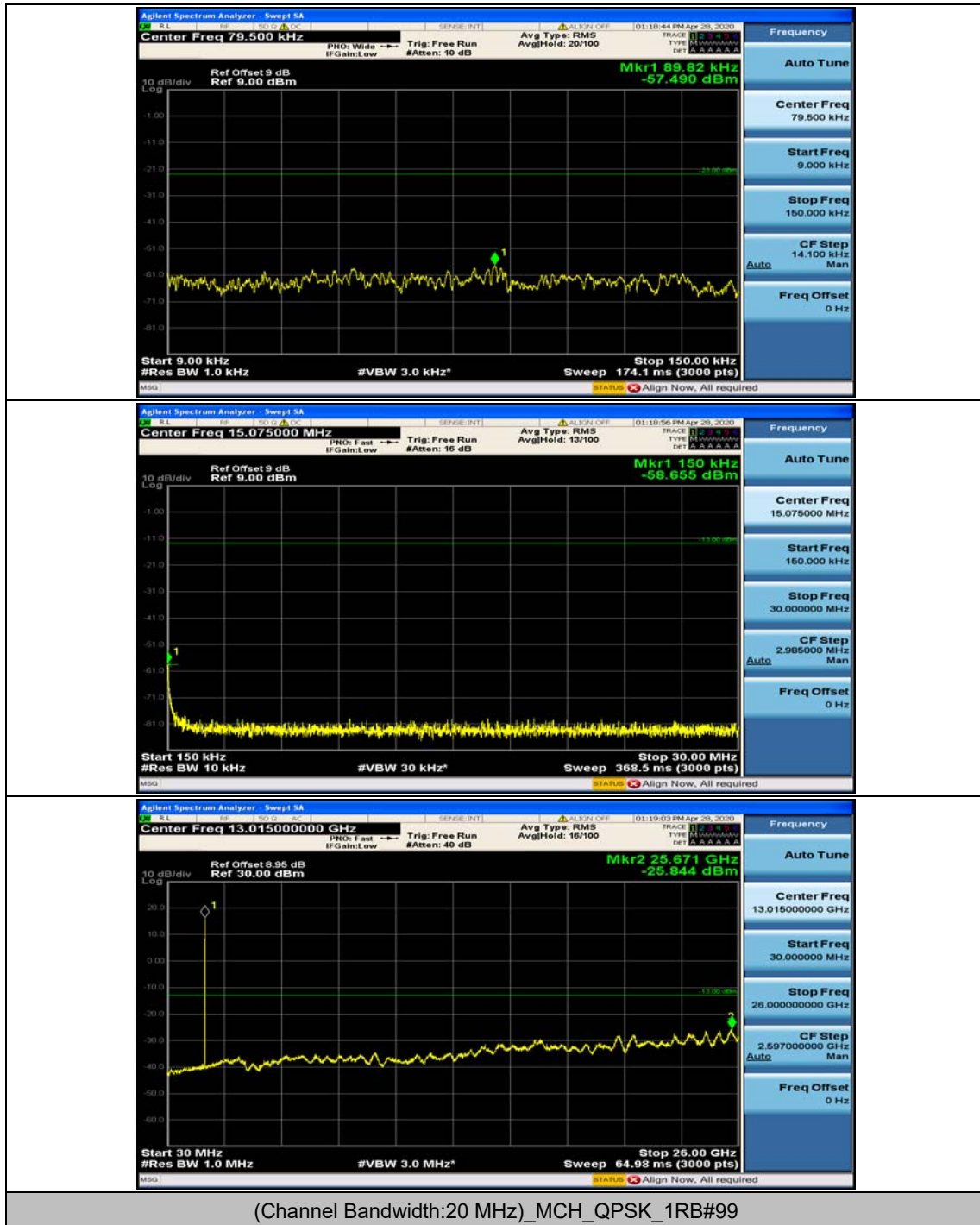


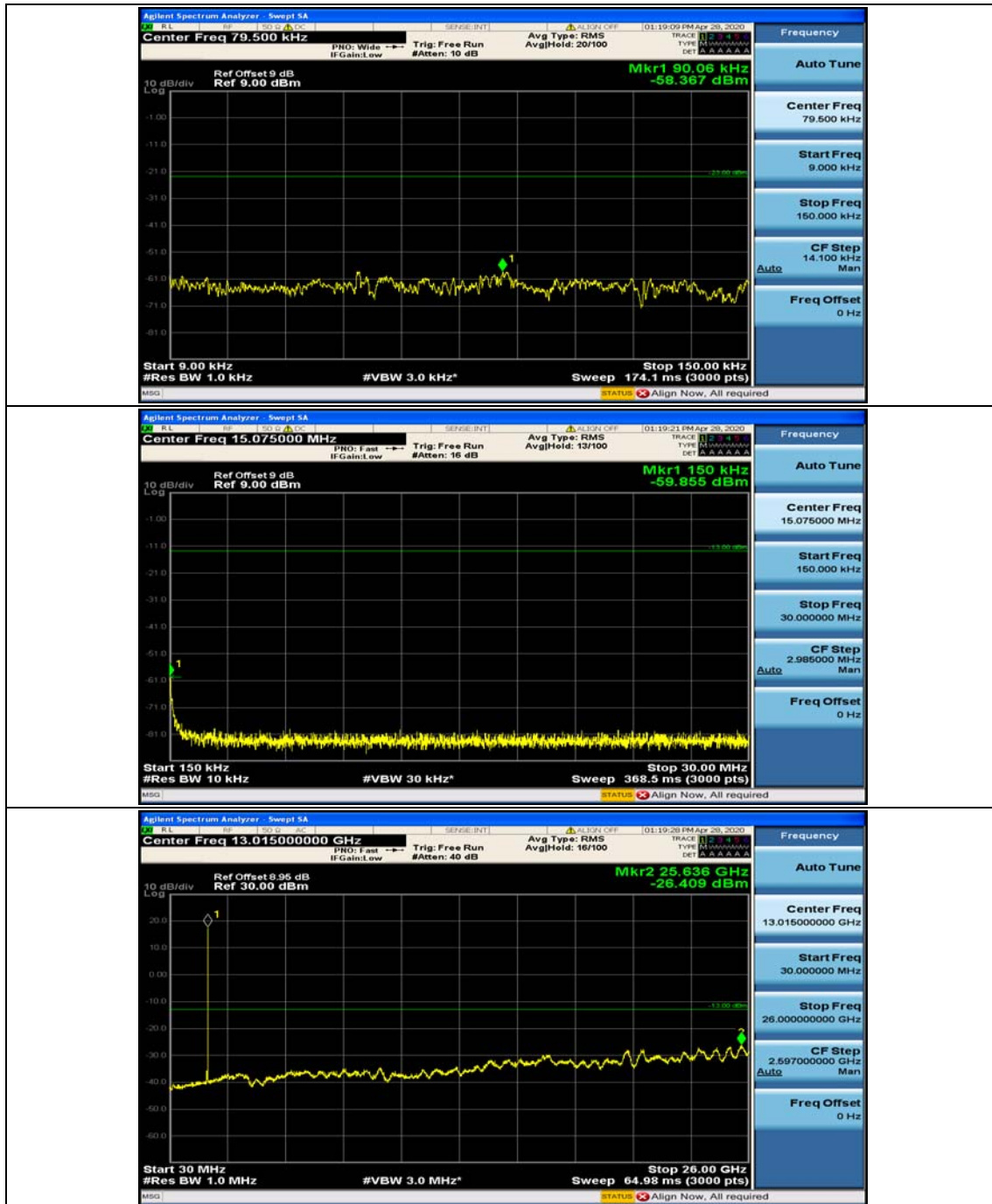


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

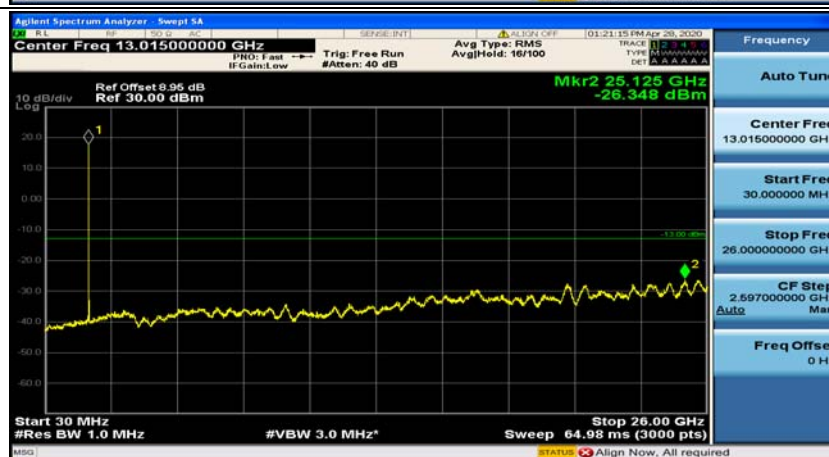
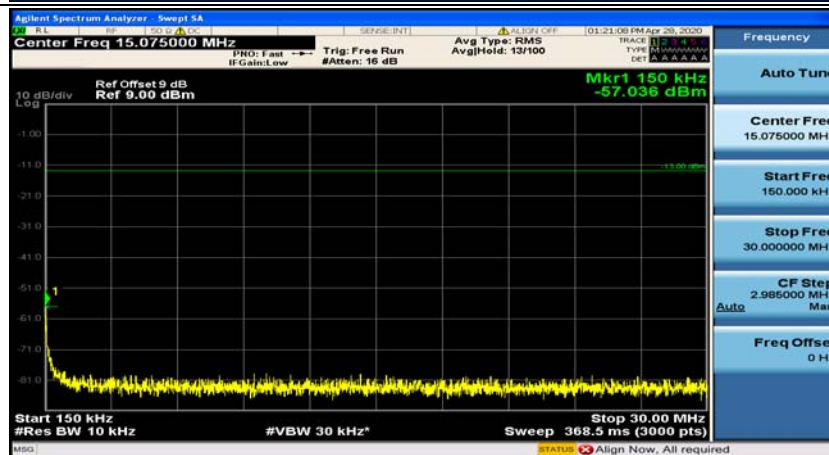


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

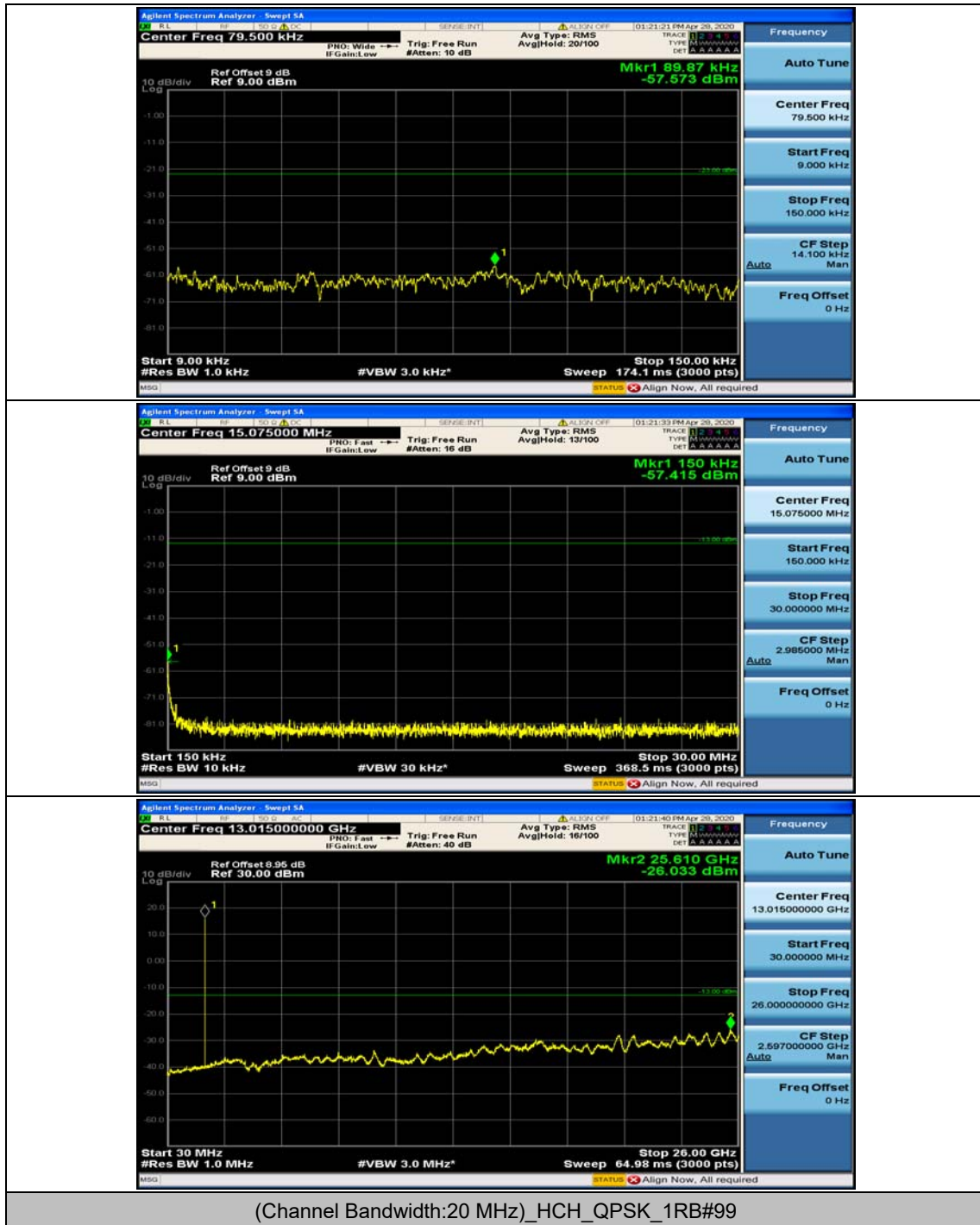


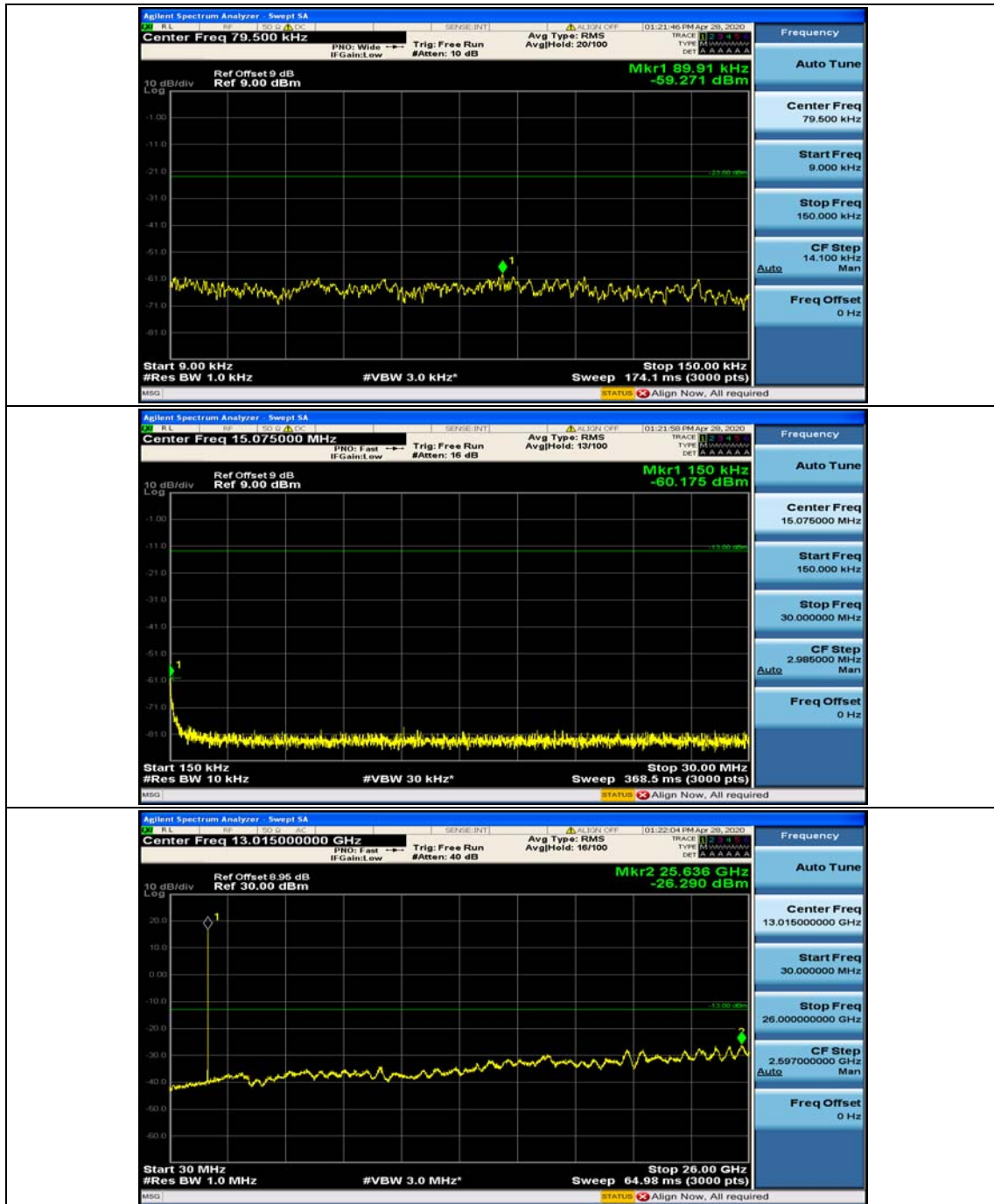


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

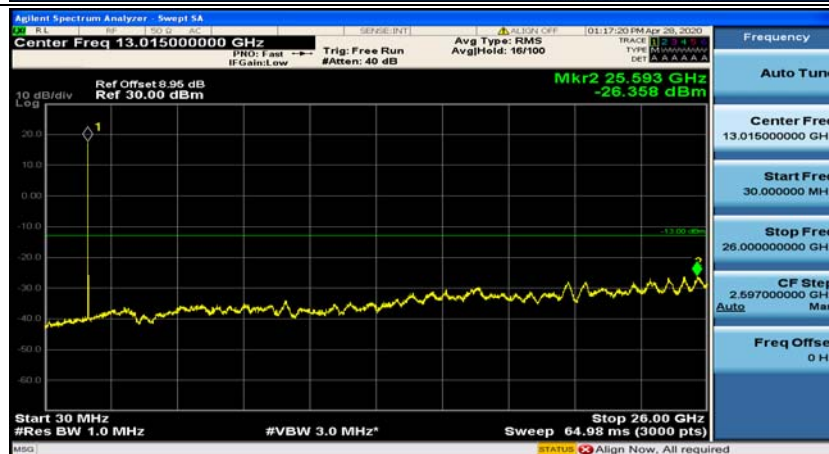
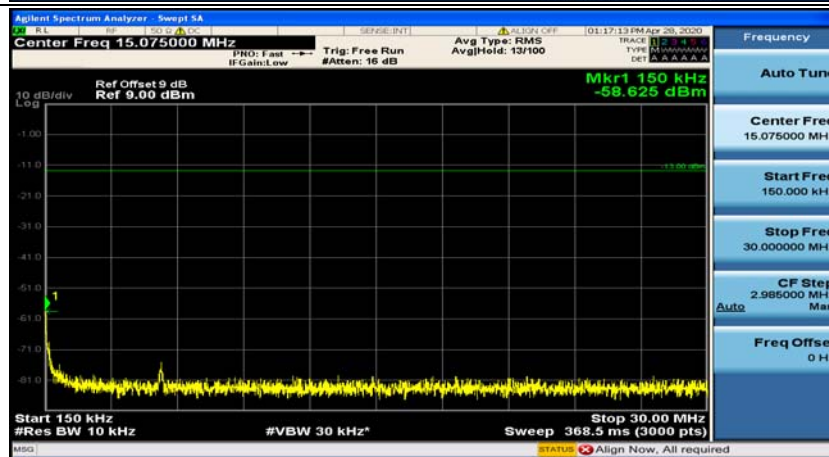
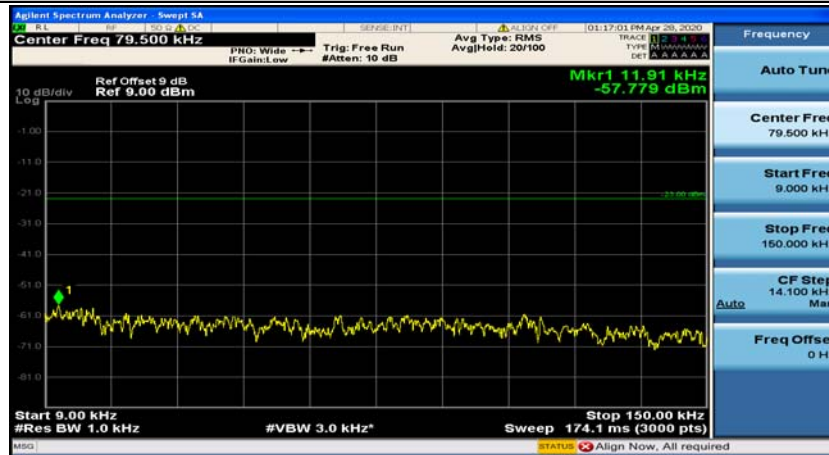


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

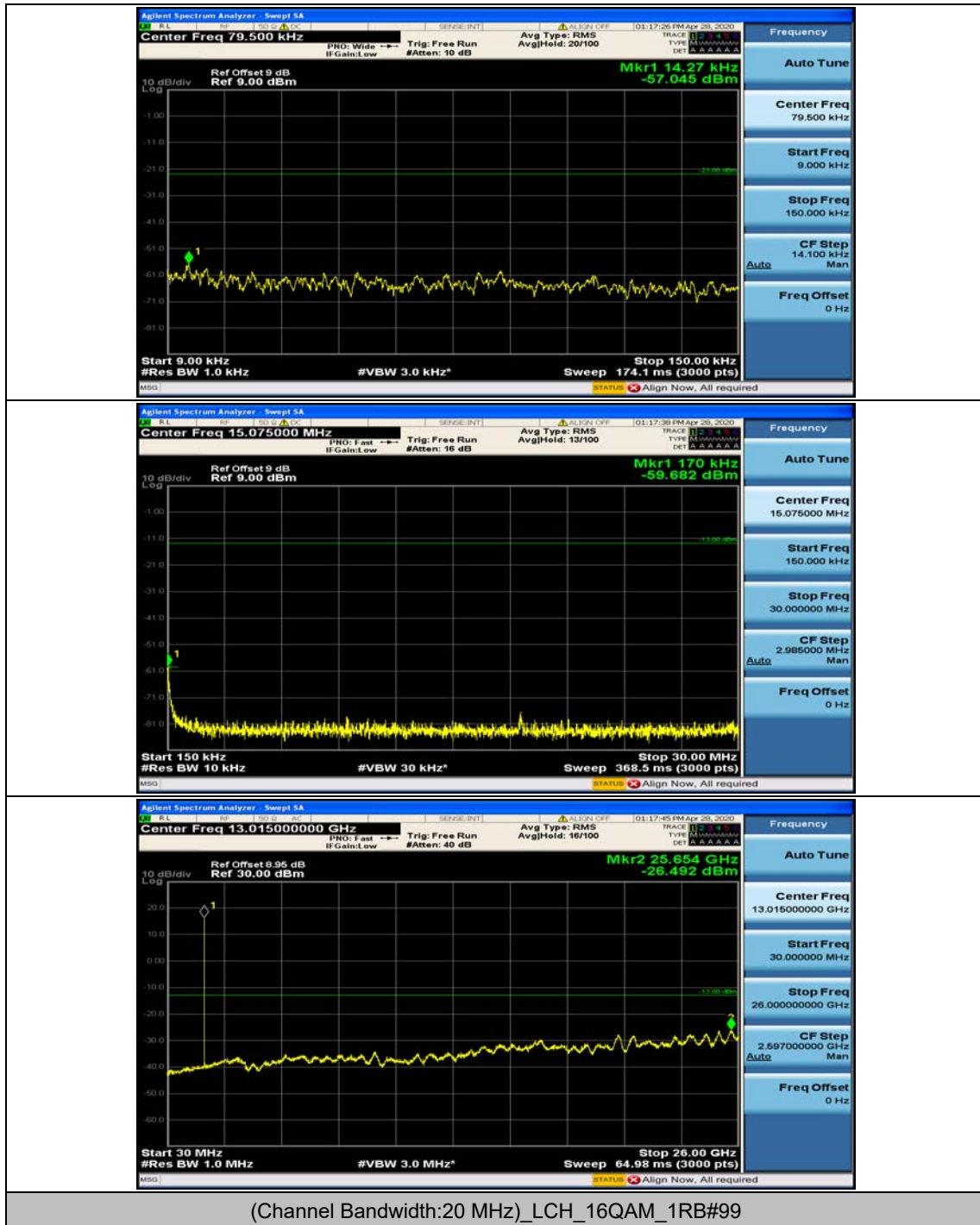


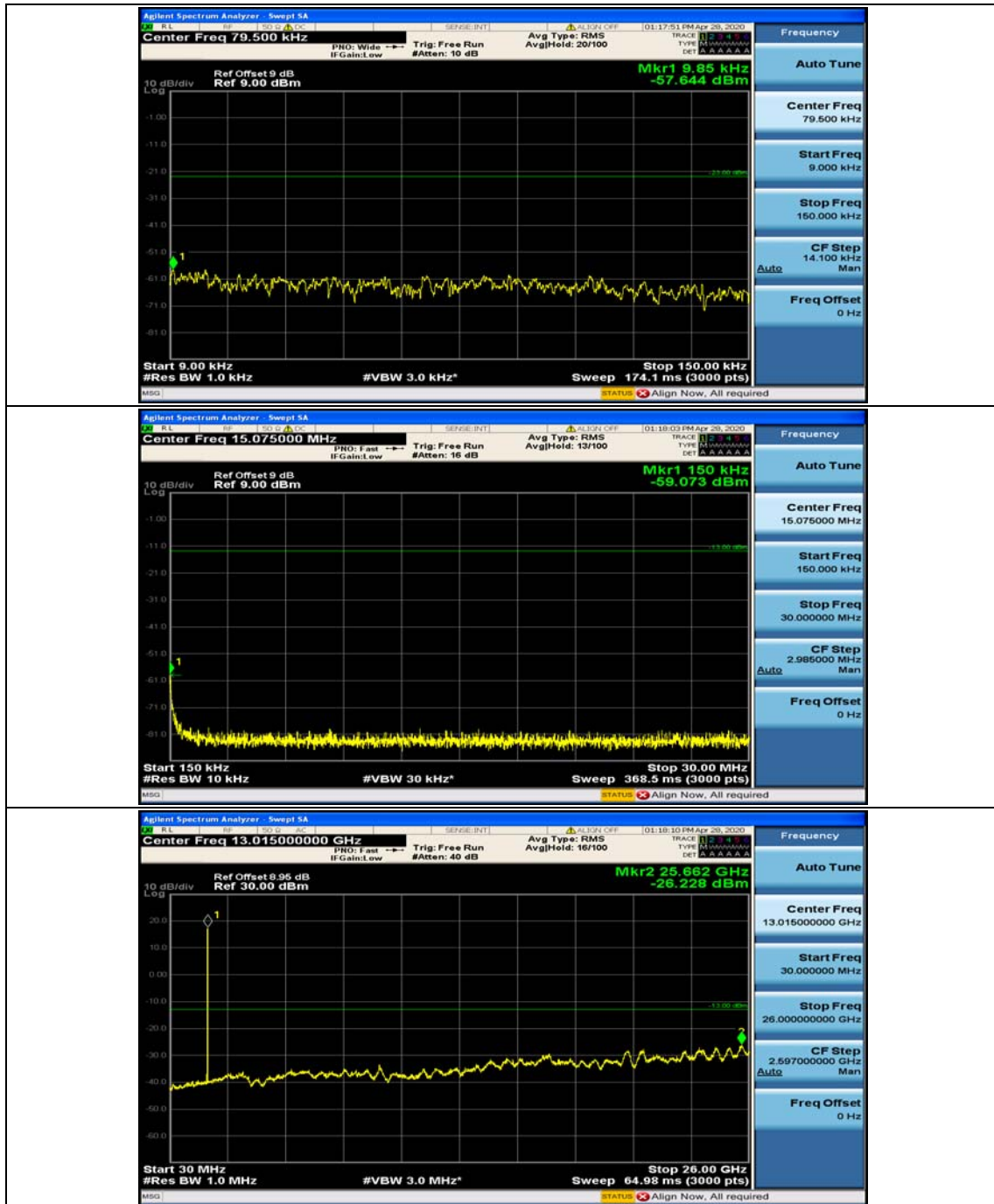


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

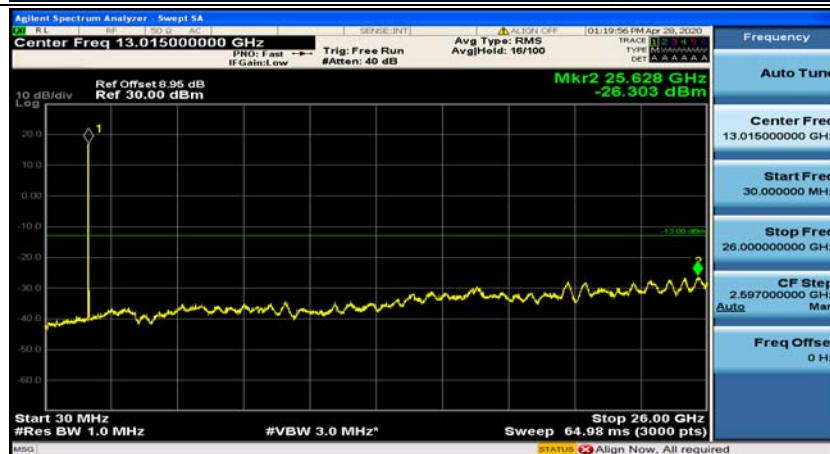
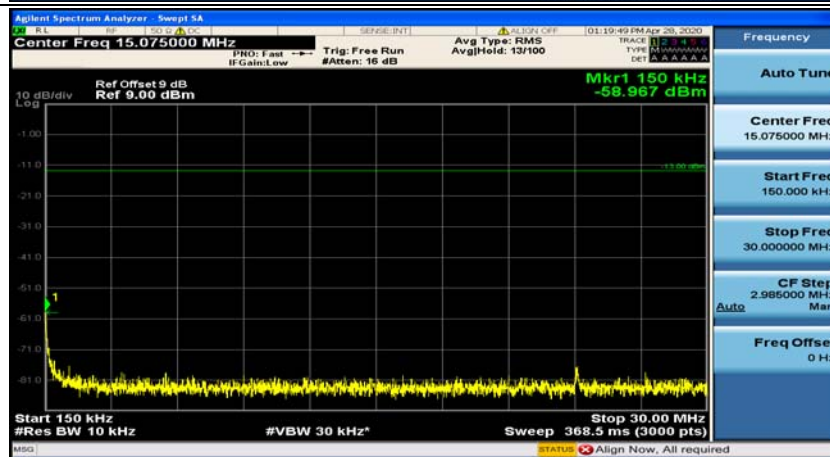
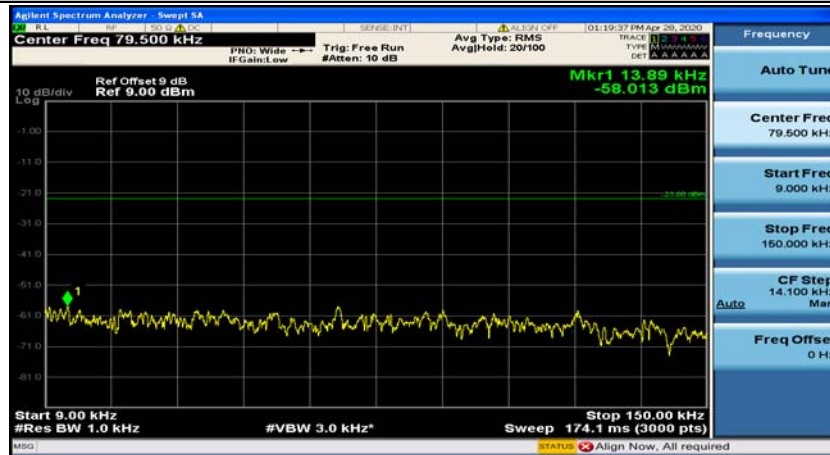


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

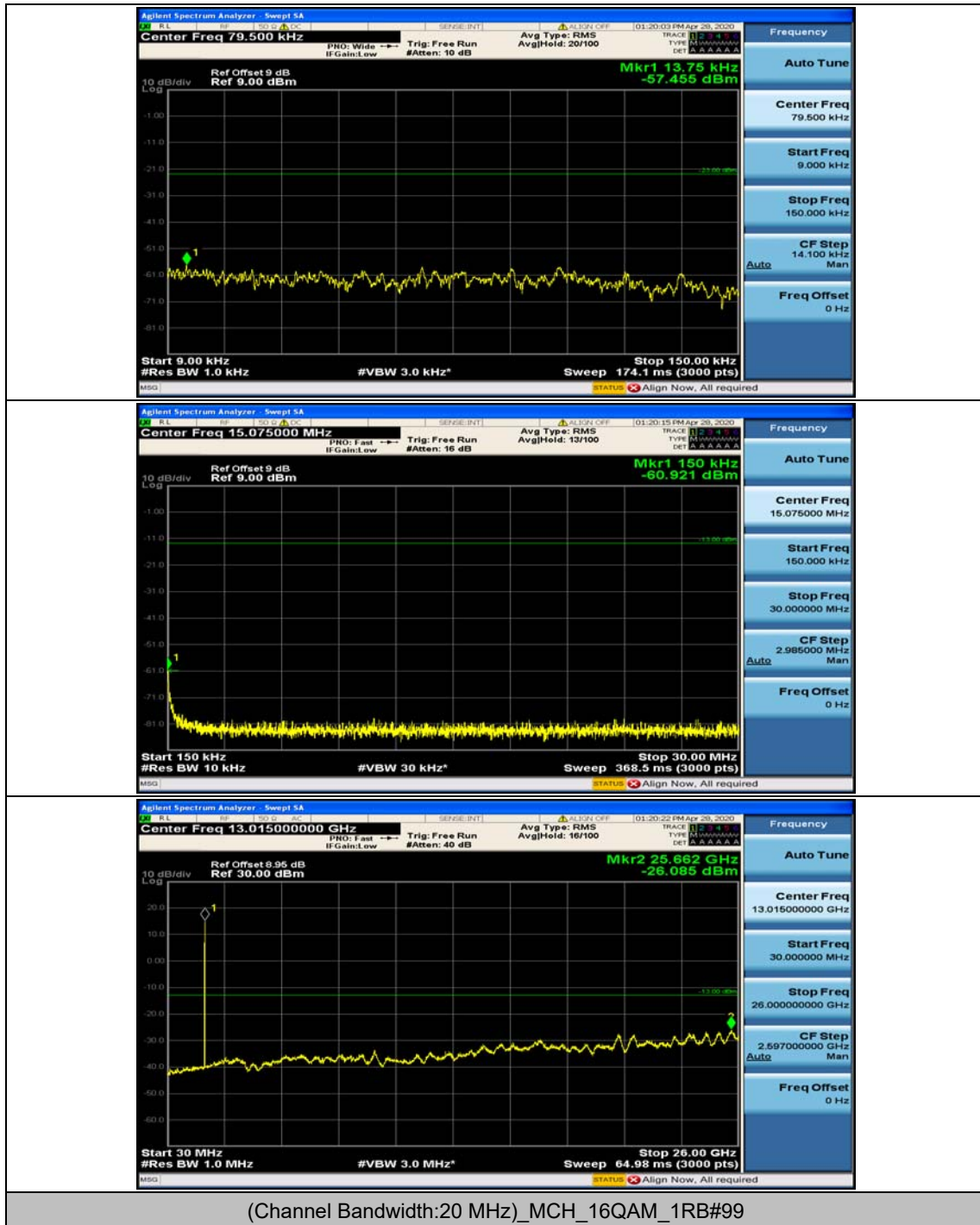


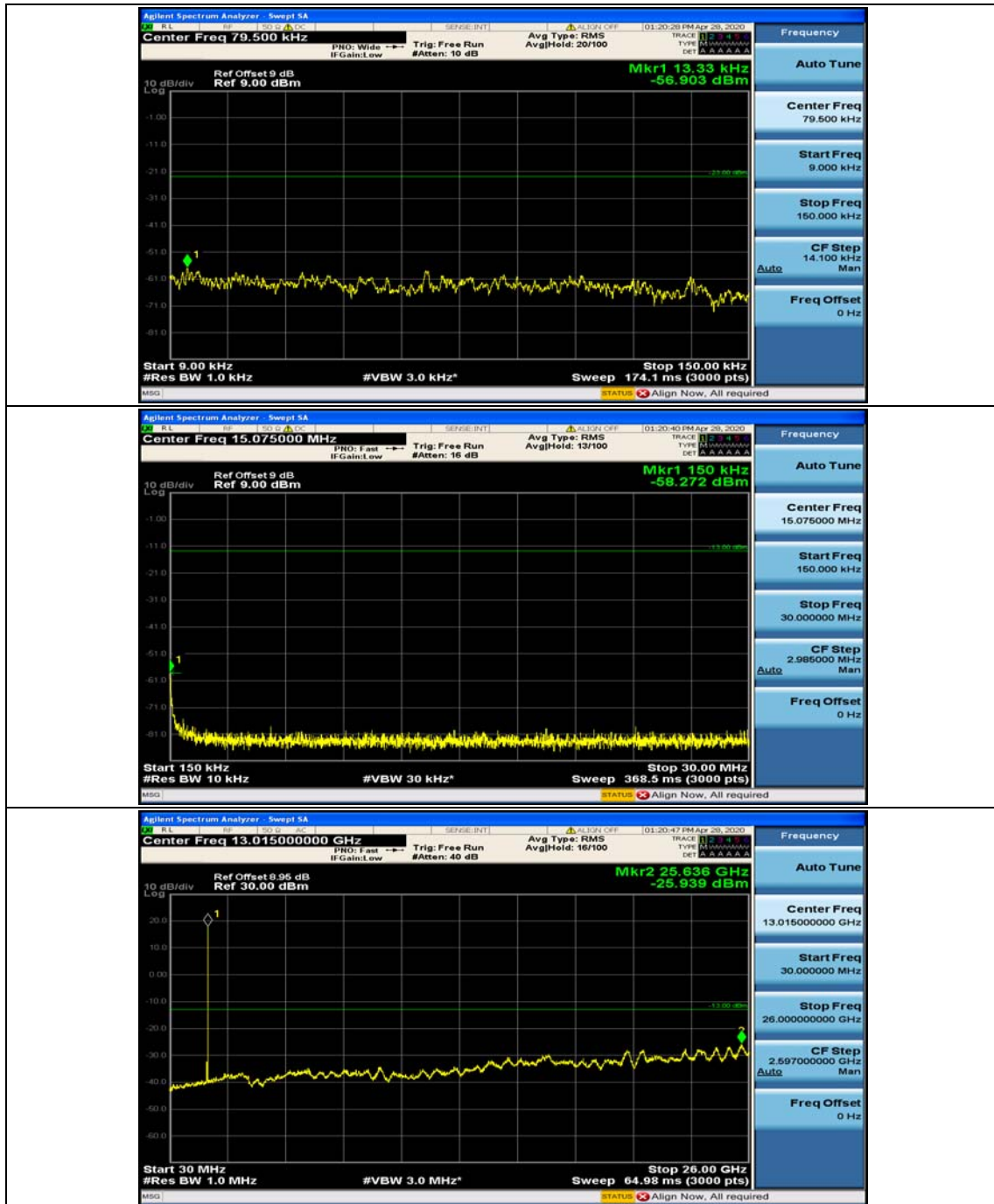


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

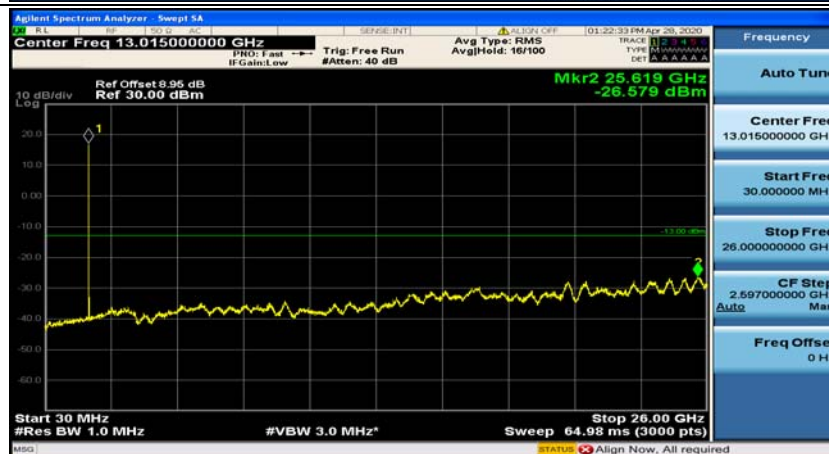
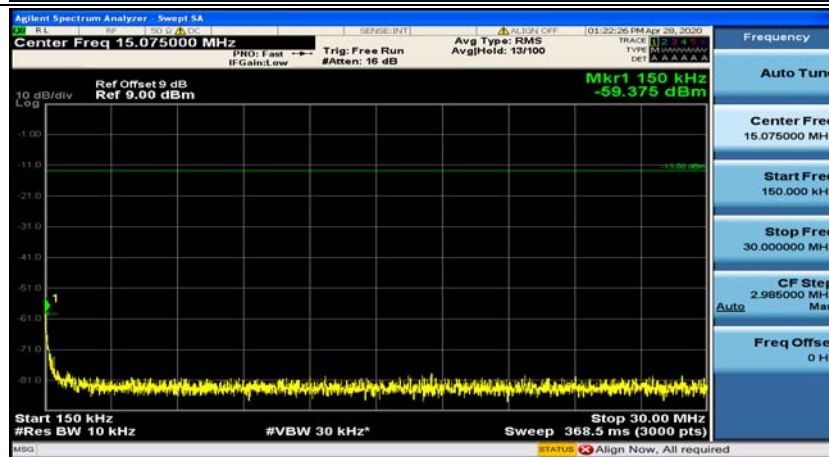
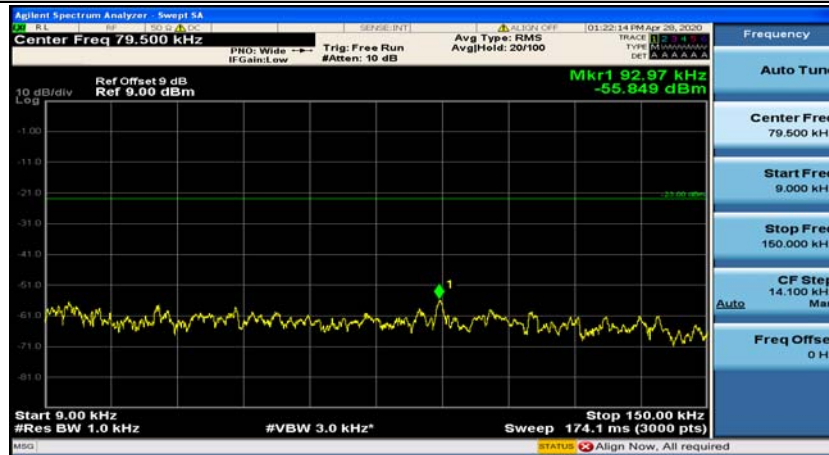


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

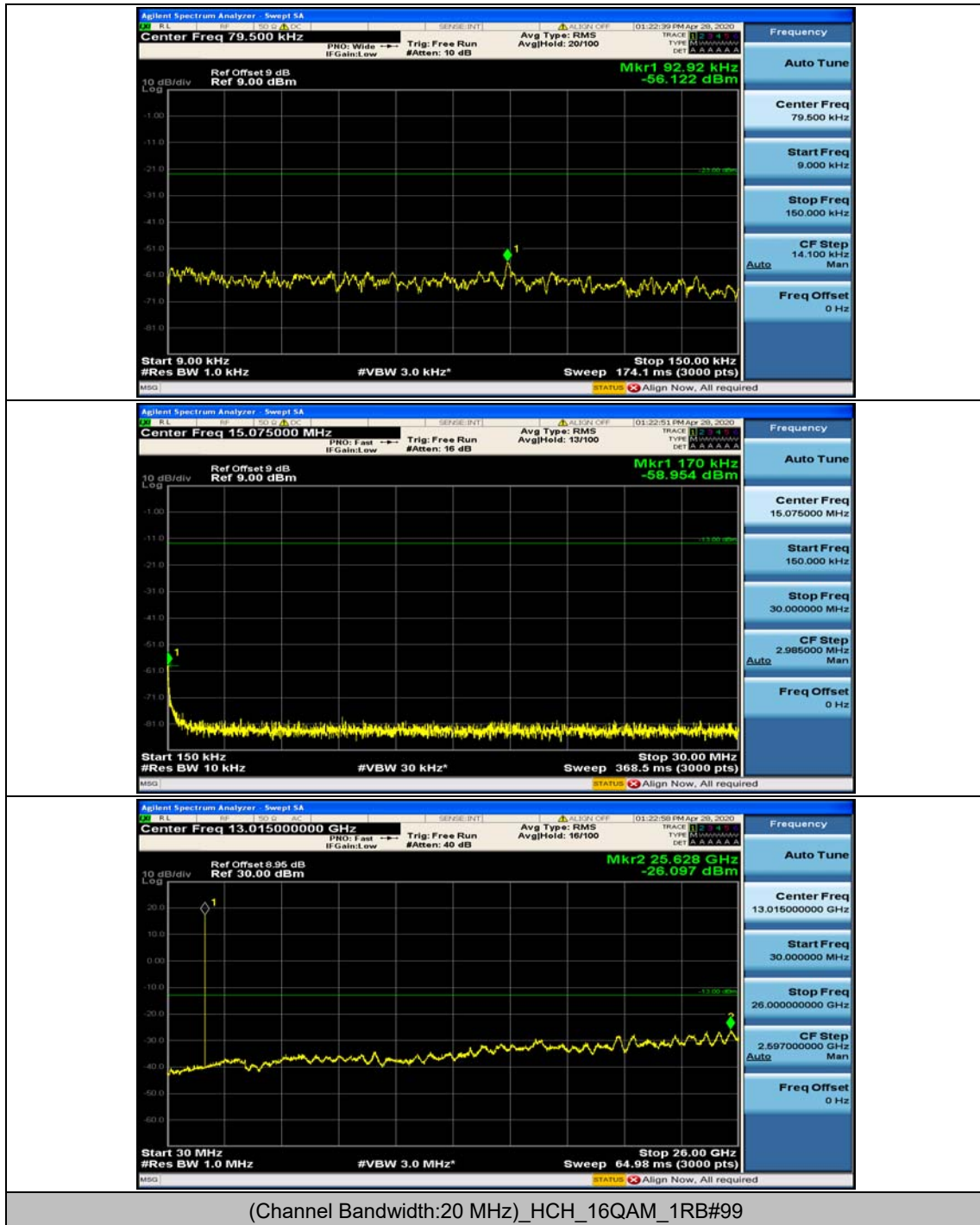


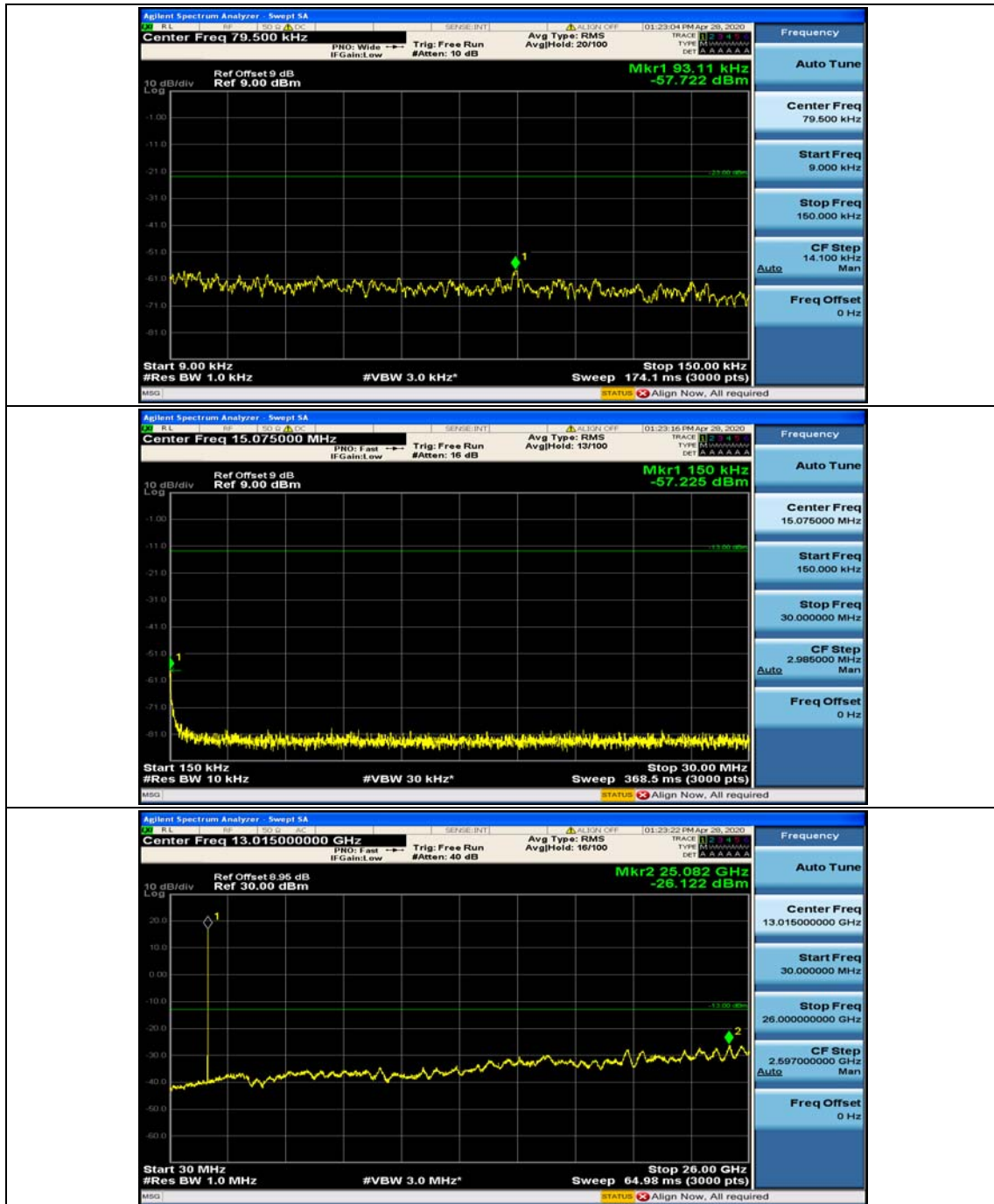


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3.74	0.002186	± 2.5	PASS
		VN	TN	0.78	0.000456	± 2.5	PASS
		VH	TN	0.82	0.000479	± 2.5	PASS
	MCH	VL	TN	4.86	0.002805	± 2.5	PASS
		VN	TN	3.99	0.002303	± 2.5	PASS
		VH	TN	0.42	0.000242	± 2.5	PASS
	HCH	VL	TN	-0.17	-0.000097	± 2.5	PASS
		VN	TN	-1.06	-0.000604	± 2.5	PASS
		VH	TN	1.85	0.001055	± 2.5	PASS
16QAM	LCH	VL	TN	2.58	0.001508	± 2.5	PASS
		VN	TN	1.62	0.000947	± 2.5	PASS
		VH	TN	3.56	0.002081	± 2.5	PASS
	MCH	VL	TN	1.12	0.000646	± 2.5	PASS
		VN	TN	2.74	0.001582	± 2.5	PASS
		VH	TN	4.72	0.002724	± 2.5	PASS
	HCH	VL	TN	3.49	0.001989	± 2.5	PASS
		VN	TN	2.73	0.001556	± 2.5	PASS
		VH	TN	-0.46	-0.000262	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.77	0.000450	± 2.5	PASS
		VN	-20	-0.64	-0.000374	± 2.5	PASS
		VN	-10	3.8	0.002221	± 2.5	PASS
		VN	0	0.53	0.000310	± 2.5	PASS
		VN	10	0.79	0.000462	± 2.5	PASS
		VN	20	1.88	0.001099	± 2.5	PASS
		VN	30	0.09	0.000053	± 2.5	PASS
		VN	40	-1.51	-0.000883	± 2.5	PASS
		VN	50	4.94	0.002888	± 2.5	PASS
	MCH	VN	-30	-1.38	-0.000797	± 2.5	PASS



		VN	-20	-0.22	-0.000127	± 2.5	PASS
		VN	-10	-1.24	-0.000716	± 2.5	PASS
		VN	0	-0.51	-0.000294	± 2.5	PASS
		VN	10	0.29	0.000167	± 2.5	PASS
		VN	20	3.5	0.002020	± 2.5	PASS
		VN	30	3.76	0.002170	± 2.5	PASS
		VN	40	4.75	0.002742	± 2.5	PASS
		VN	50	1.43	0.000825	± 2.5	PASS
	HCH	VN	-30	4.55	0.002594	± 2.5	PASS
		VN	-20	1.63	0.000929	± 2.5	PASS
		VN	-10	1.24	0.000707	± 2.5	PASS
		VN	0	-1.85	-0.001055	± 2.5	PASS
		VN	10	3.91	0.002229	± 2.5	PASS
		VN	20	-0.74	-0.000422	± 2.5	PASS
		VN	30	-1.22	-0.000695	± 2.5	PASS
		VN	40	-0.09	-0.000051	± 2.5	PASS
		VN	50	-1.96	-0.001117	± 2.5	PASS
16QAM	LCH	VN	-30	-1.75	-0.001023	± 2.5	PASS
		VN	-20	0.59	0.000345	± 2.5	PASS
		VN	-10	2.27	0.001327	± 2.5	PASS
		VN	0	4.19	0.002449	± 2.5	PASS
		VN	10	-0.37	-0.000216	± 2.5	PASS
		VN	20	4.04	0.002362	± 2.5	PASS
		VN	30	2.97	0.001736	± 2.5	PASS
		VN	40	-0.82	-0.000479	± 2.5	PASS
		VN	50	-0.4	-0.000234	± 2.5	PASS
	MCH	VN	-30	4.15	0.002366	± 2.5	PASS
		VN	-20	0.04	0.000023	± 2.5	PASS
		VN	-10	0.55	0.000314	± 2.5	PASS
		VN	0	-0.09	-0.000051	± 2.5	PASS
		VN	10	2.63	0.001499	± 2.5	PASS
		VN	20	-0.3	-0.000171	± 2.5	PASS
		VN	30	4.51	0.002571	± 2.5	PASS
		VN	40	1.61	0.000918	± 2.5	PASS
		VN	50	2.89	0.001647	± 2.5	PASS
	HCH	VN	-30	-1.21	-0.000690	± 2.5	PASS
		VN	-20	-0.16	-0.000091	± 2.5	PASS
		VN	-10	-0.75	-0.000428	± 2.5	PASS
		VN	0	1.99	0.001134	± 2.5	PASS
		VN	10	-0.82	-0.000467	± 2.5	PASS
		VN	20	-1.12	-0.000638	± 2.5	PASS



		VN	30	1.08	0.000616	± 2.5	PASS
		VN	40	1.97	0.001123	± 2.5	PASS
		VN	50	-0.8	-0.000456	± 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	-1.62	-0.000947	± 2.5	PASS
		VN	TN	-0.15	-0.000088	± 2.5	PASS
		VH	TN	0.44	0.000257	± 2.5	PASS
	MCH	VL	TN	0.43	0.000248	± 2.5	PASS
		VN	TN	3.04	0.001755	± 2.5	PASS
		VH	TN	2.11	0.001218	± 2.5	PASS
	HCH	VL	TN	-0.59	-0.000336	± 2.5	PASS
		VN	TN	-0.77	-0.000439	± 2.5	PASS
		VH	TN	4.33	0.002469	± 2.5	PASS
16QAM	LCH	VL	TN	0.67	0.000391	± 2.5	PASS
		VN	TN	4.33	0.002530	± 2.5	PASS
		VH	TN	2.7	0.001578	± 2.5	PASS
	MCH	VL	TN	3.4	0.001962	± 2.5	PASS
		VN	TN	3.58	0.002066	± 2.5	PASS
		VH	TN	-0.02	-0.000012	± 2.5	PASS
	HCH	VL	TN	2.99	0.001705	± 2.5	PASS
		VN	TN	-1.5	-0.000855	± 2.5	PASS
		VH	TN	-1.45	-0.000827	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.67	0.002144	± 2.5	PASS
		VN	-20	4.48	0.002618	± 2.5	PASS
		VN	-10	-1.74	-0.001017	± 2.5	PASS
		VN	0	1.62	0.000947	± 2.5	PASS
		VN	10	3.71	0.002168	± 2.5	PASS
		VN	20	0.34	0.000199	± 2.5	PASS
		VN	30	-1.71	-0.000999	± 2.5	PASS
		VN	40	-1.73	-0.001011	± 2.5	PASS
		VN	50	0.18	0.000105	± 2.5	PASS
	MCH	VN	-30	-0.46	-0.000266	± 2.5	PASS
		VN	-20	-1.76	-0.001016	± 2.5	PASS



		VN	-10	-0.19	-0.000110	± 2.5	PASS
		VN	0	2.1	0.001212	± 2.5	PASS
		VN	10	-0.85	-0.000491	± 2.5	PASS
		VN	20	3.75	0.002165	± 2.5	PASS
		VN	30	1.49	0.000860	± 2.5	PASS
		VN	40	-0.41	-0.000237	± 2.5	PASS
		VN	50	0.76	0.000439	± 2.5	PASS
	HCH	VN	-30	3.39	0.001933	± 2.5	PASS
		VN	-20	1	0.000570	± 2.5	PASS
		VN	-10	1.46	0.000833	± 2.5	PASS
		VN	0	1.53	0.000873	± 2.5	PASS
		VN	10	2.76	0.001574	± 2.5	PASS
		VN	20	4.47	0.002549	± 2.5	PASS
		VN	30	4	0.002281	± 2.5	PASS
		VN	40	4.18	0.002384	± 2.5	PASS
		VN	50	0.19	0.000108	± 2.5	PASS
16QAM	LCH	VN	-30	2.13	0.001229	± 2.5	PASS
		VN	-20	0.12	0.000069	± 2.5	PASS
		VN	-10	2.64	0.001524	± 2.5	PASS
		VN	0	4.66	0.002690	± 2.5	PASS
		VN	10	0.57	0.000329	± 2.5	PASS
		VN	20	2.54	0.001466	± 2.5	PASS
		VN	30	-1.74	-0.001004	± 2.5	PASS
		VN	40	3.13	0.001807	± 2.5	PASS
		VN	50	-1.96	-0.001131	± 2.5	PASS
	MCH	VN	-30	3.27	0.001865	± 2.5	PASS
		VN	-20	0.75	0.000428	± 2.5	PASS
		VN	-10	-0.68	-0.000388	± 2.5	PASS
		VN	0	-0.16	-0.000091	± 2.5	PASS
		VN	10	4.31	0.002458	± 2.5	PASS
		VN	20	4.87	0.002777	± 2.5	PASS
		VN	30	-1.83	-0.001044	± 2.5	PASS
		VN	40	3.57	0.002036	± 2.5	PASS
		VN	50	1.46	0.000833	± 2.5	PASS
	HCH	VN	-30	0.51	0.000291	± 2.5	PASS
		VN	-20	2.79	0.001591	± 2.5	PASS
		VN	-10	2.36	0.001346	± 2.5	PASS
		VN	0	4.15	0.002367	± 2.5	PASS
		VN	10	0.92	0.000525	± 2.5	PASS
		VN	20	4.08	0.002327	± 2.5	PASS
		VN	30	-1.31	-0.000747	± 2.5	PASS

		VN	40	0.28	0.000160	± 2.5	PASS
		VN	50	0.36	0.000205	± 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	1.85	0.001080	± 2.5	PASS
		VN	TN	2.75	0.001606	± 2.5	PASS
		VH	TN	1.46	0.000853	± 2.5	PASS
	MCH	VL	TN	3.14	0.001812	± 2.5	PASS
		VN	TN	3.79	0.002188	± 2.5	PASS
		VH	TN	0.39	0.000225	± 2.5	PASS
	HCH	VL	TN	3.01	0.001718	± 2.5	PASS
		VN	TN	0.86	0.000491	± 2.5	PASS
		VH	TN	-1.11	-0.000633	± 2.5	PASS
16QAM	LCH	VL	TN	0.39	0.000228	± 2.5	PASS
		VN	TN	1.43	0.000835	± 2.5	PASS
		VH	TN	0.27	0.000158	± 2.5	PASS
	MCH	VL	TN	2.87	0.001657	± 2.5	PASS
		VN	TN	1.64	0.000947	± 2.5	PASS
		VH	TN	0.91	0.000525	± 2.5	PASS
	HCH	VL	TN	-0.35	-0.000200	± 2.5	PASS
		VN	TN	-0.11	-0.000063	± 2.5	PASS
		VH	TN	4.86	0.002773	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.96	-0.000561	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	1.13	0.000660	± 2.5	PASS
		VN	0	3.72	0.002174	± 2.5	PASS
		VN	10	3.57	0.002086	± 2.5	PASS
		VN	20	4.96	0.002898	± 2.5	PASS
		VN	30	4.56	0.002664	± 2.5	PASS
		VN	40	-1.94	-0.001134	± 2.5	PASS
		VN	50	-1.98	-0.001157	± 2.5	PASS
	MCH	VN	-30	2.48	0.001431	± 2.5	PASS
		VN	-20	0.45	0.000260	± 2.5	PASS
		VN	-10	3.07	0.001772	± 2.5	PASS



		VN	0	-1.96	-0.001131	± 2.5	PASS
		VN	10	-0.84	-0.000485	± 2.5	PASS
		VN	20	-1.27	-0.000733	± 2.5	PASS
		VN	30	-0.58	-0.000335	± 2.5	PASS
		VN	40	3.98	0.002297	± 2.5	PASS
		VN	50	1.39	0.000802	± 2.5	PASS
	HCH	VN	-30	-1.71	-0.000975	± 2.5	PASS
		VN	-20	3.52	0.002007	± 2.5	PASS
		VN	-10	-1.89	-0.001078	± 2.5	PASS
		VN	0	2.2	0.001255	± 2.5	PASS
		VN	10	3.42	0.001950	± 2.5	PASS
		VN	20	3.45	0.001967	± 2.5	PASS
		VN	30	0.89	0.000508	± 2.5	PASS
		VN	40	0.36	0.000205	± 2.5	PASS
		VN	50	4.27	0.002435	± 2.5	PASS
16QAM	LCH	VN	-30	-0.29	-0.000167	± 2.5	PASS
		VN	-20	-1.89	-0.001091	± 2.5	PASS
		VN	-10	-1.25	-0.000722	± 2.5	PASS
		VN	0	0.2	0.000115	± 2.5	PASS
		VN	10	4.08	0.002355	± 2.5	PASS
		VN	20	1.16	0.000670	± 2.5	PASS
		VN	30	3.47	0.002003	± 2.5	PASS
		VN	40	1.18	0.000681	± 2.5	PASS
		VN	50	2.34	0.001351	± 2.5	PASS
	MCH	VN	-30	3.43	0.001956	± 2.5	PASS
		VN	-20	2.82	0.001608	± 2.5	PASS
		VN	-10	0.37	0.000211	± 2.5	PASS
		VN	0	-0.75	-0.000428	± 2.5	PASS
		VN	10	4.63	0.002640	± 2.5	PASS
		VN	20	-0.45	-0.000257	± 2.5	PASS
		VN	30	-1.01	-0.000576	± 2.5	PASS
		VN	40	1.92	0.001095	± 2.5	PASS
		VN	50	4.17	0.002378	± 2.5	PASS
	HCH	VN	-30	2.41	0.001374	± 2.5	PASS
		VN	-20	-1.97	-0.001123	± 2.5	PASS
		VN	-10	4.95	0.002823	± 2.5	PASS
		VN	0	3.43	0.001956	± 2.5	PASS
		VN	10	2.42	0.001380	± 2.5	PASS
		VN	20	-1.96	-0.001118	± 2.5	PASS
		VN	30	4.58	0.002612	± 2.5	PASS
		VN	40	1.13	0.000644	± 2.5	PASS



		VN	50	2.8	0.001597	± 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	0.99	0.000577	± 2.5	PASS
		VN	TN	4.93	0.002875	± 2.5	PASS
		VH	TN	4.26	0.002484	± 2.5	PASS
	MCH	VL	TN	3.09	0.001784	± 2.5	PASS
		VN	TN	3.73	0.002153	± 2.5	PASS
		VH	TN	0.86	0.000496	± 2.5	PASS
	HCH	VL	TN	-0.4	-0.000229	± 2.5	PASS
		VN	TN	-0.54	-0.000309	± 2.5	PASS
		VH	TN	3.89	0.002223	± 2.5	PASS
16QAM	LCH	VL	TN	4.63	0.002700	± 2.5	PASS
		VN	TN	0.42	0.000245	± 2.5	PASS
		VH	TN	3.25	0.001895	± 2.5	PASS
	MCH	VL	TN	-0.75	-0.000433	± 2.5	PASS
		VN	TN	2.93	0.001691	± 2.5	PASS
		VH	TN	2.69	0.001553	± 2.5	PASS
	HCH	VL	TN	4.59	0.002623	± 2.5	PASS
		VN	TN	-1.64	-0.000937	± 2.5	PASS
		VH	TN	3.45	0.001971	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.75	-0.000437	± 2.5	PASS
		VN	-20	-0.32	-0.000187	± 2.5	PASS
		VN	-10	2.87	0.001673	± 2.5	PASS
		VN	0	4.84	0.002822	± 2.5	PASS
		VN	10	1.28	0.000746	± 2.5	PASS
		VN	20	-1.9	-0.001108	± 2.5	PASS
		VN	30	1.64	0.000956	± 2.5	PASS
		VN	40	1.93	0.001125	± 2.5	PASS
		VN	50	-0.52	-0.000303	± 2.5	PASS
	MCH	VN	-30	1	0.000577	± 2.5	PASS
		VN	-20	3.3	0.001905	± 2.5	PASS
		VN	-10	-1.83	-0.001056	± 2.5	PASS
		VN	0	2.2	0.001270	± 2.5	PASS



		VN	10	1.61	0.000929	± 2.5	PASS
		VN	20	0.93	0.000537	± 2.5	PASS
		VN	30	1.67	0.000964	± 2.5	PASS
		VN	40	1.43	0.000825	± 2.5	PASS
		VN	50	0.26	0.000150	± 2.5	PASS
	HCH	VN	-30	2.62	0.001497	± 2.5	PASS
		VN	-20	3.22	0.001840	± 2.5	PASS
		VN	-10	-1.64	-0.000937	± 2.5	PASS
		VN	0	0.35	0.000200	± 2.5	PASS
		VN	10	0.47	0.000269	± 2.5	PASS
		VN	20	-1.55	-0.000886	± 2.5	PASS
		VN	30	4.3	0.002457	± 2.5	PASS
		VN	40	2.52	0.001440	± 2.5	PASS
		VN	50	0.29	0.000166	± 2.5	PASS
		VN	-30	-1.49	-0.000860	± 2.5	PASS
16QAM	LCH	VN	-20	-1.32	-0.000762	± 2.5	PASS
		VN	-10	2.39	0.001380	± 2.5	PASS
		VN	0	1.39	0.000802	± 2.5	PASS
		VN	10	-1	-0.000577	± 2.5	PASS
		VN	20	0	0.000000	± 2.5	PASS
		VN	30	4.52	0.002609	± 2.5	PASS
		VN	40	-0.49	-0.000283	± 2.5	PASS
		VN	50	0.34	0.000196	± 2.5	PASS
	MCH	VN	-30	0.58	0.000331	± 2.5	PASS
		VN	-20	4.9	0.002800	± 2.5	PASS
		VN	-10	1.12	0.000640	± 2.5	PASS
		VN	0	0.2	0.000114	± 2.5	PASS
		VN	10	-0.62	-0.000354	± 2.5	PASS
		VN	20	-0.54	-0.000309	± 2.5	PASS
		VN	30	-1.58	-0.000903	± 2.5	PASS
		VN	40	4.54	0.002594	± 2.5	PASS
		VN	50	0.71	0.000406	± 2.5	PASS
	HCH	VN	-30	-0.61	-0.000349	± 2.5	PASS
		VN	-20	4.32	0.002469	± 2.5	PASS
		VN	-10	4.03	0.002303	± 2.5	PASS
		VN	0	-0.54	-0.000309	± 2.5	PASS
		VN	10	2.57	0.001469	± 2.5	PASS
		VN	20	2	0.001143	± 2.5	PASS
		VN	30	4.74	0.002709	± 2.5	PASS
		VN	40	-0.6	-0.000343	± 2.5	PASS
		VN	50	-0.95	-0.000543	± 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	-0.4	-0.000233	± 2.5	PASS
		VN	TN	0.99	0.000576	± 2.5	PASS
		VH	TN	2.51	0.001461	± 2.5	PASS
	MCH	VL	TN	1.21	0.000698	± 2.5	PASS
		VN	TN	1.65	0.000952	± 2.5	PASS
		VH	TN	1.83	0.001056	± 2.5	PASS
	HCH	VL	TN	-1.65	-0.000944	± 2.5	PASS
		VN	TN	2.81	0.001608	± 2.5	PASS
		VH	TN	-0.75	-0.000429	± 2.5	PASS
16QAM	LCH	VL	TN	0.37	0.000215	± 2.5	PASS
		VN	TN	-1.6	-0.000932	± 2.5	PASS
		VH	TN	0.63	0.000367	± 2.5	PASS
	MCH	VL	TN	2.45	0.001414	± 2.5	PASS
		VN	TN	-0.29	-0.000167	± 2.5	PASS
		VH	TN	2.85	0.001645	± 2.5	PASS
	HCH	VL	TN	1.44	0.000824	± 2.5	PASS
		VN	TN	4.73	0.002707	± 2.5	PASS
		VH	TN	-0.42	-0.000240	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.56	0.002655	± 2.5	PASS
		VN	-20	4.79	0.002789	± 2.5	PASS
		VN	-10	4.22	0.002457	± 2.5	PASS
		VN	0	-0.93	-0.000541	± 2.5	PASS
		VN	10	3.49	0.002032	± 2.5	PASS
		VN	20	4.07	0.002370	± 2.5	PASS
		VN	30	0.25	0.000146	± 2.5	PASS
		VN	40	-1.16	-0.000675	± 2.5	PASS
		VN	50	-0.71	-0.000413	± 2.5	PASS
	MCH	VN	-30	-1.49	-0.000860	± 2.5	PASS
		VN	-20	2.72	0.001570	± 2.5	PASS
		VN	-10	3.67	0.002118	± 2.5	PASS
		VN	0	0.71	0.000410	± 2.5	PASS
		VN	10	2.16	0.001247	± 2.5	PASS
		VN	20	-0.29	-0.000167	± 2.5	PASS

		VN	30	2.67	0.001541	± 2.5	PASS
		VN	40	-1.49	-0.000860	± 2.5	PASS
		VN	50	0.3	0.000173	± 2.5	PASS
	HCH	VN	-30	2.74	0.001568	± 2.5	PASS
		VN	-20	-1.95	-0.001116	± 2.5	PASS
		VN	-10	2.66	0.001522	± 2.5	PASS
		VN	0	-0.74	-0.000423	± 2.5	PASS
		VN	10	-0.33	-0.000189	± 2.5	PASS
		VN	20	-1.3	-0.000744	± 2.5	PASS
		VN	30	-1.07	-0.000612	± 2.5	PASS
		VN	40	2.36	0.001351	± 2.5	PASS
		VN	50	-1.09	-0.000624	± 2.5	PASS
16QAM	LCH	VN	-30	-1.28	-0.000739	± 2.5	PASS
		VN	-20	1.98	0.001143	± 2.5	PASS
		VN	-10	3.38	0.001951	± 2.5	PASS
		VN	0	2.11	0.001218	± 2.5	PASS
		VN	10	4.36	0.002517	± 2.5	PASS
		VN	20	1.56	0.000900	± 2.5	PASS
		VN	30	3.08	0.001778	± 2.5	PASS
		VN	40	2.34	0.001351	± 2.5	PASS
		VN	50	0.6	0.000346	± 2.5	PASS
	MCH	VN	-30	-0.63	-0.000361	± 2.5	PASS
		VN	-20	3.56	0.002037	± 2.5	PASS
		VN	-10	1.57	0.000898	± 2.5	PASS
		VN	0	-0.01	-0.000006	± 2.5	PASS
		VN	10	-1.49	-0.000853	± 2.5	PASS
		VN	20	4.74	0.002712	± 2.5	PASS
		VN	30	4.9	0.002804	± 2.5	PASS
		VN	40	-1.65	-0.000944	± 2.5	PASS
		VN	50	-1.89	-0.001082	± 2.5	PASS
	HCH	VN	-30	0.58	0.000332	± 2.5	PASS
		VN	-20	1.54	0.000881	± 2.5	PASS
		VN	-10	2.02	0.001156	± 2.5	PASS
		VN	0	3.68	0.002106	± 2.5	PASS
		VN	10	0.42	0.000240	± 2.5	PASS
		VN	20	4.83	0.002764	± 2.5	PASS
		VN	30	2.21	0.001265	± 2.5	PASS
		VN	40	-1.82	-0.001041	± 2.5	PASS
		VN	50	4.45	0.002546	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.68	-0.000395	± 2.5	PASS
		VN	TN	1.35	0.000785	± 2.5	PASS
		VH	TN	4.45	0.002587	± 2.5	PASS
	MCH	VL	TN	-0.58	-0.000335	± 2.5	PASS
		VN	TN	1.1	0.000635	± 2.5	PASS
		VH	TN	-1.51	-0.000872	± 2.5	PASS
	HCH	VL	TN	-1.14	-0.000653	± 2.5	PASS
		VN	TN	2.67	0.001530	± 2.5	PASS
		VH	TN	3.3	0.001891	± 2.5	PASS
16QAM	LCH	VL	TN	1.07	0.000622	± 2.5	PASS
		VN	TN	3.01	0.001750	± 2.5	PASS
		VH	TN	-0.52	-0.000302	± 2.5	PASS
	MCH	VL	TN	0.76	0.000439	± 2.5	PASS
		VN	TN	2.36	0.001362	± 2.5	PASS
		VH	TN	4.33	0.002499	± 2.5	PASS
	HCH	VL	TN	0.28	0.000160	± 2.5	PASS
		VN	TN	-1.94	-0.001112	± 2.5	PASS
		VH	TN	2.33	0.001335	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.56	0.002070	± 2.5	PASS
		VN	-20	-1.78	-0.001035	± 2.5	PASS
		VN	-10	1.58	0.000919	± 2.5	PASS
		VN	0	-1.2	-0.000698	± 2.5	PASS
		VN	10	4.88	0.002837	± 2.5	PASS
		VN	20	4.09	0.002378	± 2.5	PASS
		VN	30	-1.94	-0.001128	± 2.5	PASS
		VN	40	3.26	0.001895	± 2.5	PASS
		VN	50	4.14	0.002407	± 2.5	PASS
	MCH	VN	-30	0.69	0.000398	± 2.5	PASS
		VN	-20	1.67	0.000964	± 2.5	PASS
		VN	-10	0.25	0.000144	± 2.5	PASS
		VN	0	-0.24	-0.000139	± 2.5	PASS
		VN	10	1.92	0.001108	± 2.5	PASS
		VN	20	1.03	0.000595	± 2.5	PASS



		VN	30	1.18	0.000681	± 2.5	PASS
		VN	40	4.12	0.002378	± 2.5	PASS
		VN	50	2.79	0.001610	± 2.5	PASS
	HCH	VN	-30	4.08	0.002338	± 2.5	PASS
		VN	-20	0.39	0.000223	± 2.5	PASS
		VN	-10	4.39	0.002516	± 2.5	PASS
		VN	0	-0.43	-0.000246	± 2.5	PASS
		VN	10	1.19	0.000682	± 2.5	PASS
		VN	20	2.91	0.001668	± 2.5	PASS
		VN	30	4.35	0.002493	± 2.5	PASS
		VN	40	4.53	0.002596	± 2.5	PASS
		VN	50	4.88	0.002797	± 2.5	PASS
16QAM	LCH	VN	-30	2.61	0.001506	± 2.5	PASS
		VN	-20	-1.83	-0.001056	± 2.5	PASS
		VN	-10	3.94	0.002274	± 2.5	PASS
		VN	0	3.62	0.002089	± 2.5	PASS
		VN	10	-1.91	-0.001102	± 2.5	PASS
		VN	20	0.72	0.000416	± 2.5	PASS
		VN	30	-1.69	-0.000975	± 2.5	PASS
		VN	40	-1.27	-0.000733	± 2.5	PASS
		VN	50	2.54	0.001466	± 2.5	PASS
	MCH	VN	-30	3.35	0.001920	± 2.5	PASS
		VN	-20	0.1	0.000057	± 2.5	PASS
		VN	-10	2.64	0.001513	± 2.5	PASS
		VN	0	-1.23	-0.000705	± 2.5	PASS
		VN	10	3.04	0.001742	± 2.5	PASS
		VN	20	4.98	0.002854	± 2.5	PASS
		VN	30	-0.91	-0.000521	± 2.5	PASS
		VN	40	0.68	0.000390	± 2.5	PASS
		VN	50	0.51	0.000292	± 2.5	PASS
	HCH	VN	-30	1.22	0.000699	± 2.5	PASS
		VN	-20	4.49	0.002573	± 2.5	PASS
		VN	-10	4.41	0.002527	± 2.5	PASS
		VN	0	3.52	0.002017	± 2.5	PASS
		VN	10	-1.27	-0.000728	± 2.5	PASS
		VN	20	1.78	0.001020	± 2.5	PASS
		VN	30	-0.99	-0.000567	± 2.5	PASS
		VN	40	2.1	0.001203	± 2.5	PASS
		VN	50	-1.47	-0.000842	± 2.5	PASS