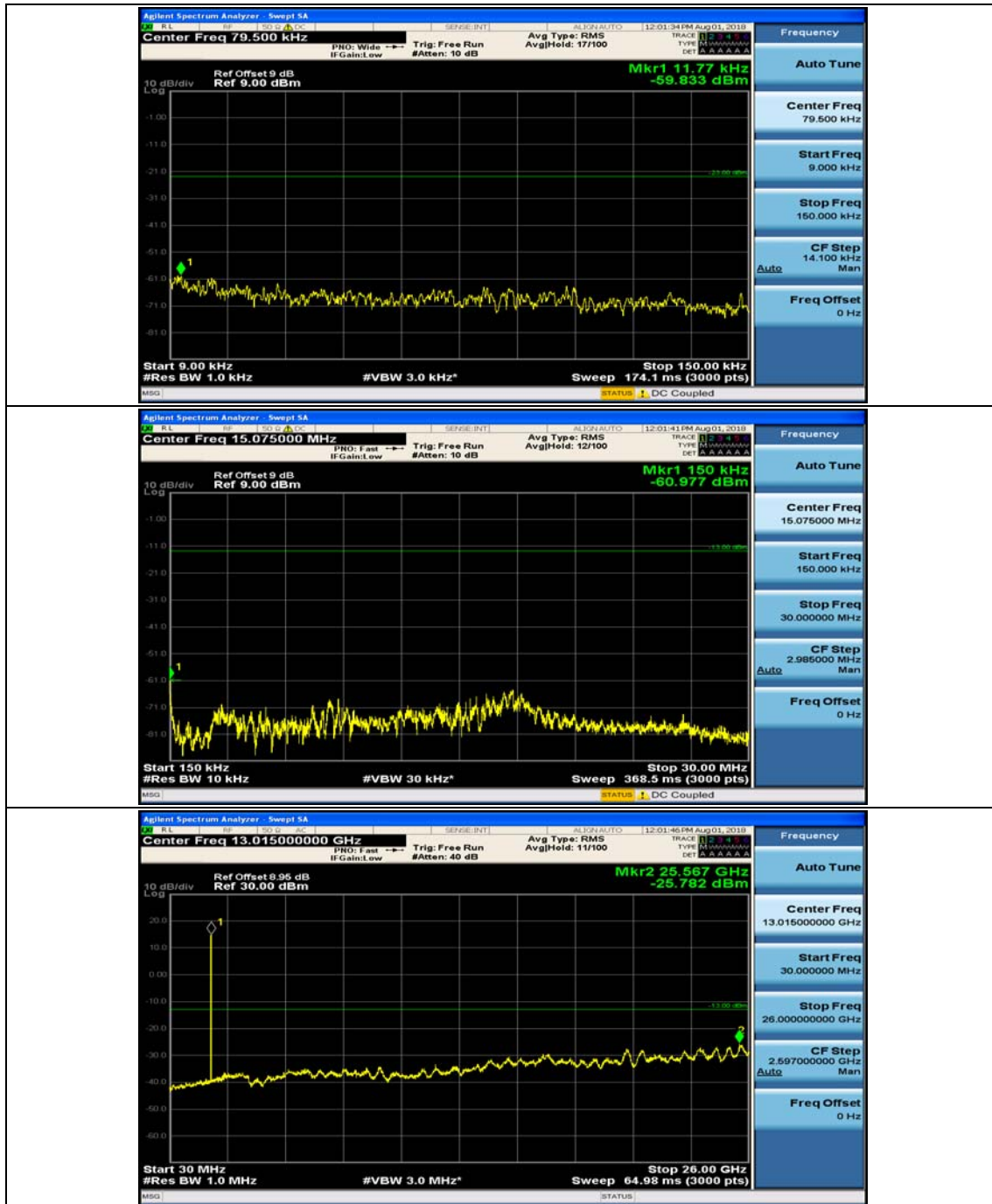
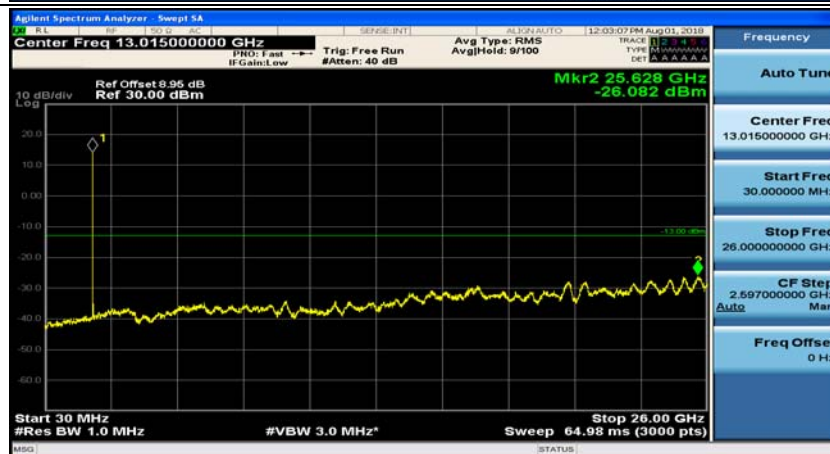
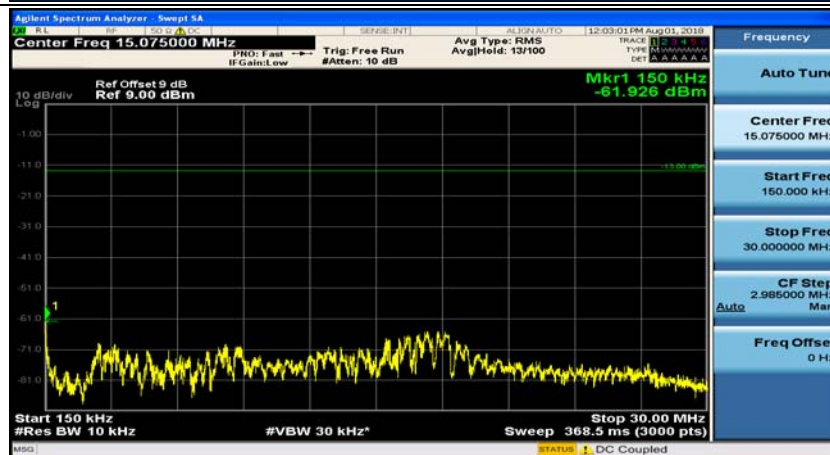
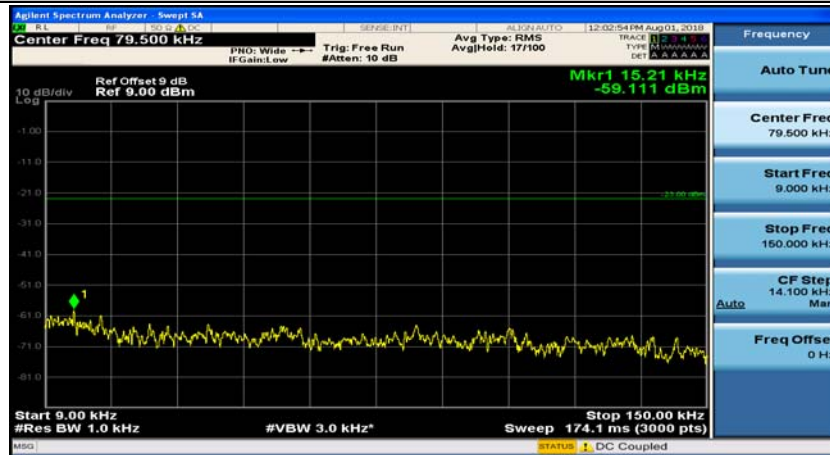
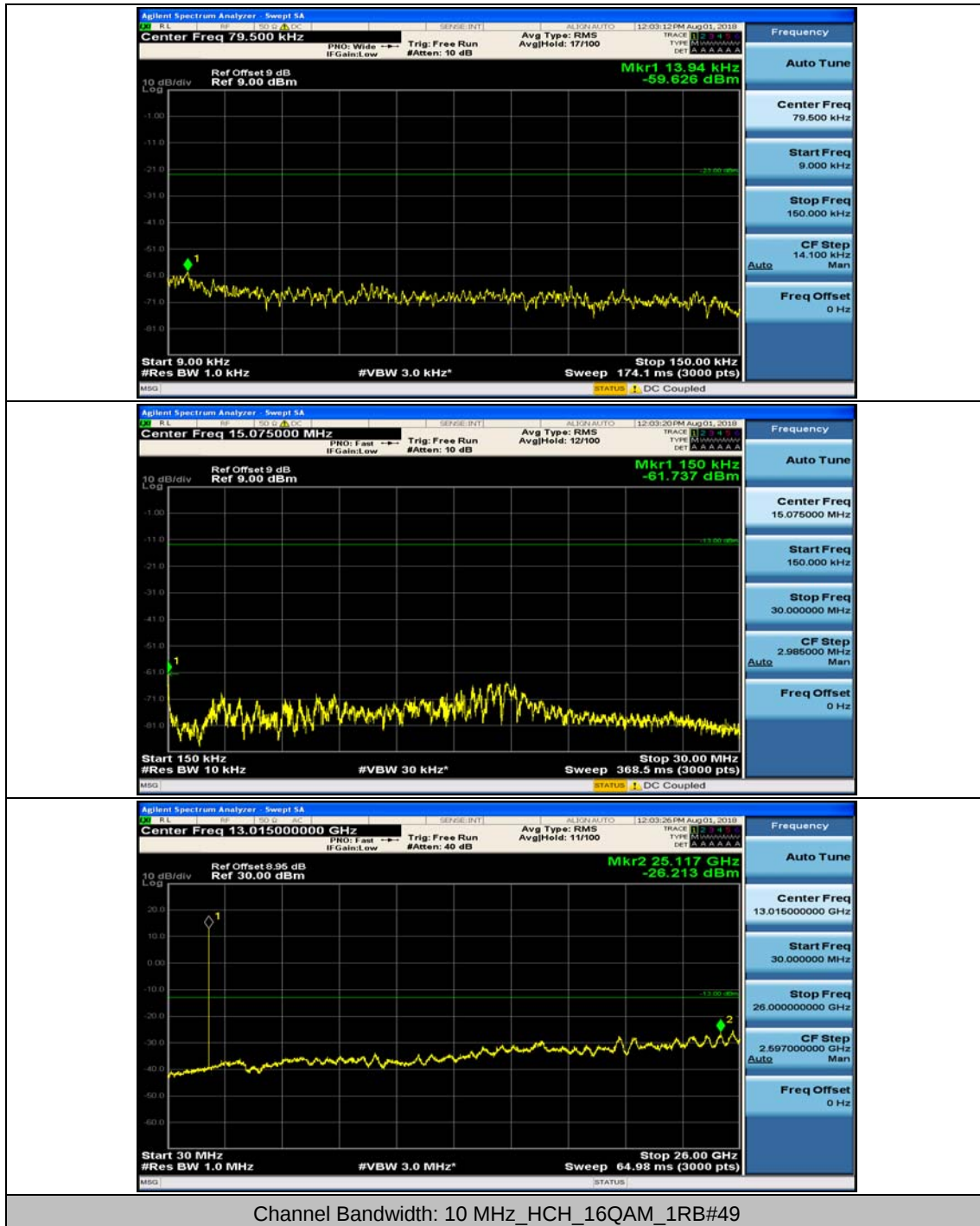


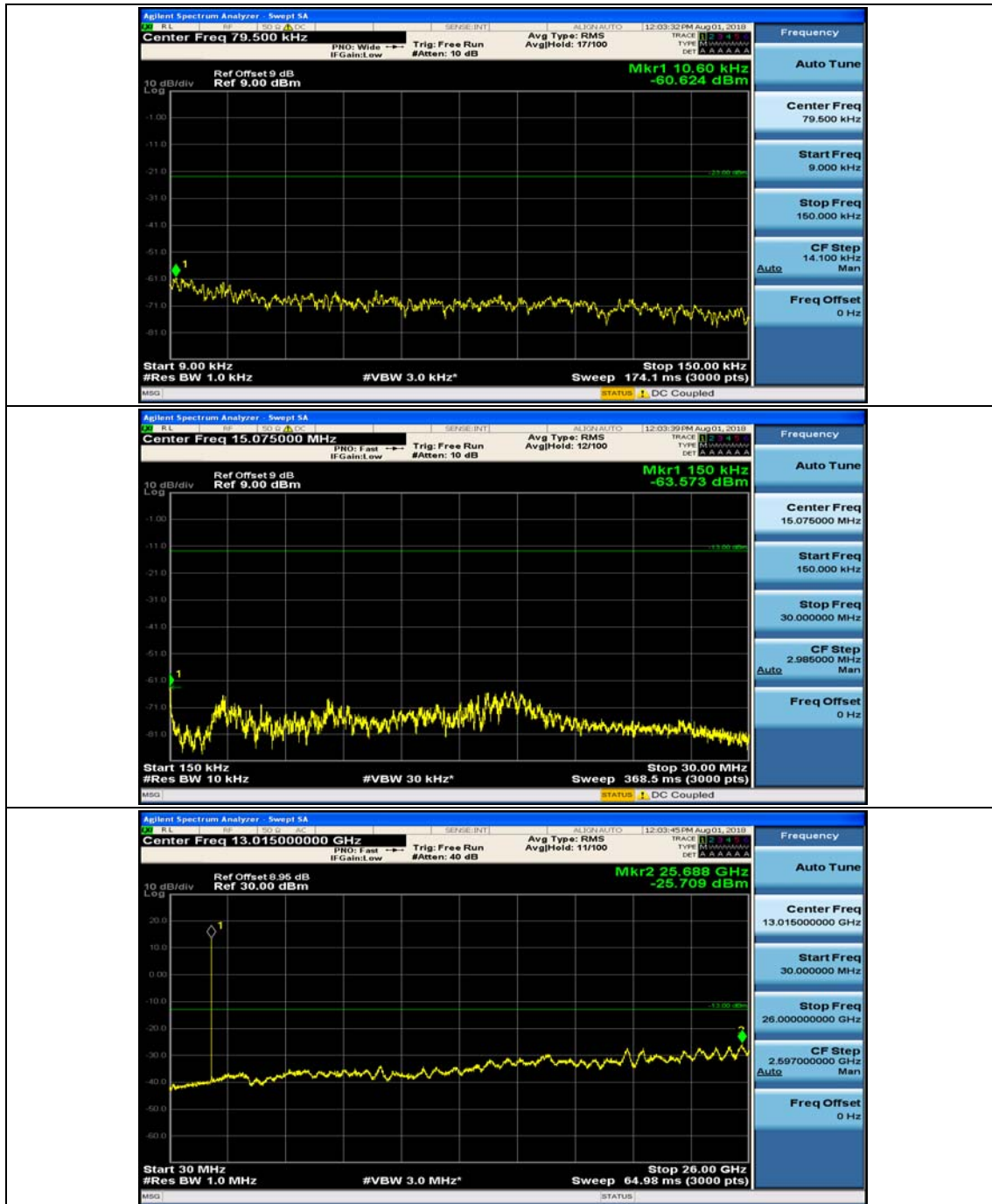


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

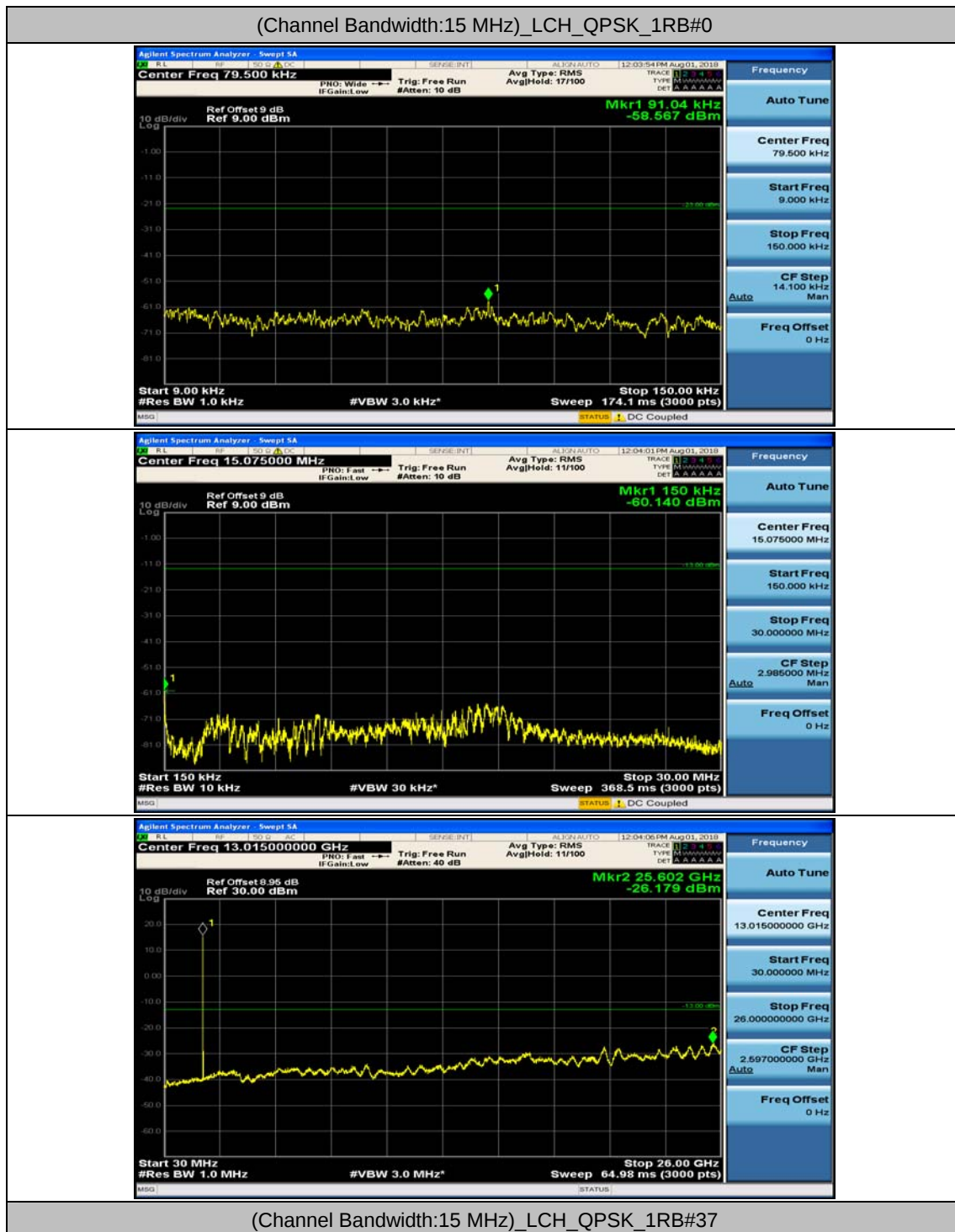


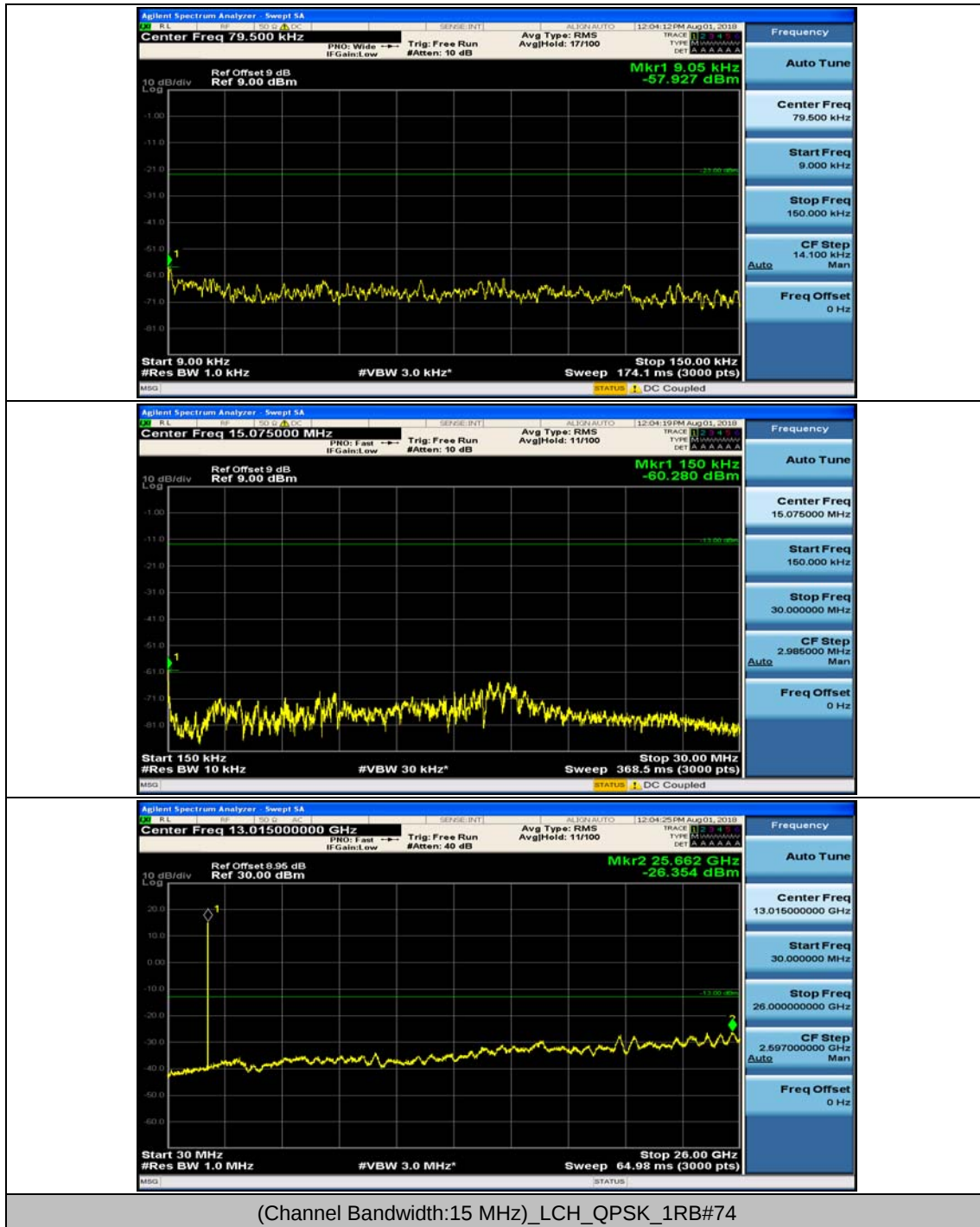
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

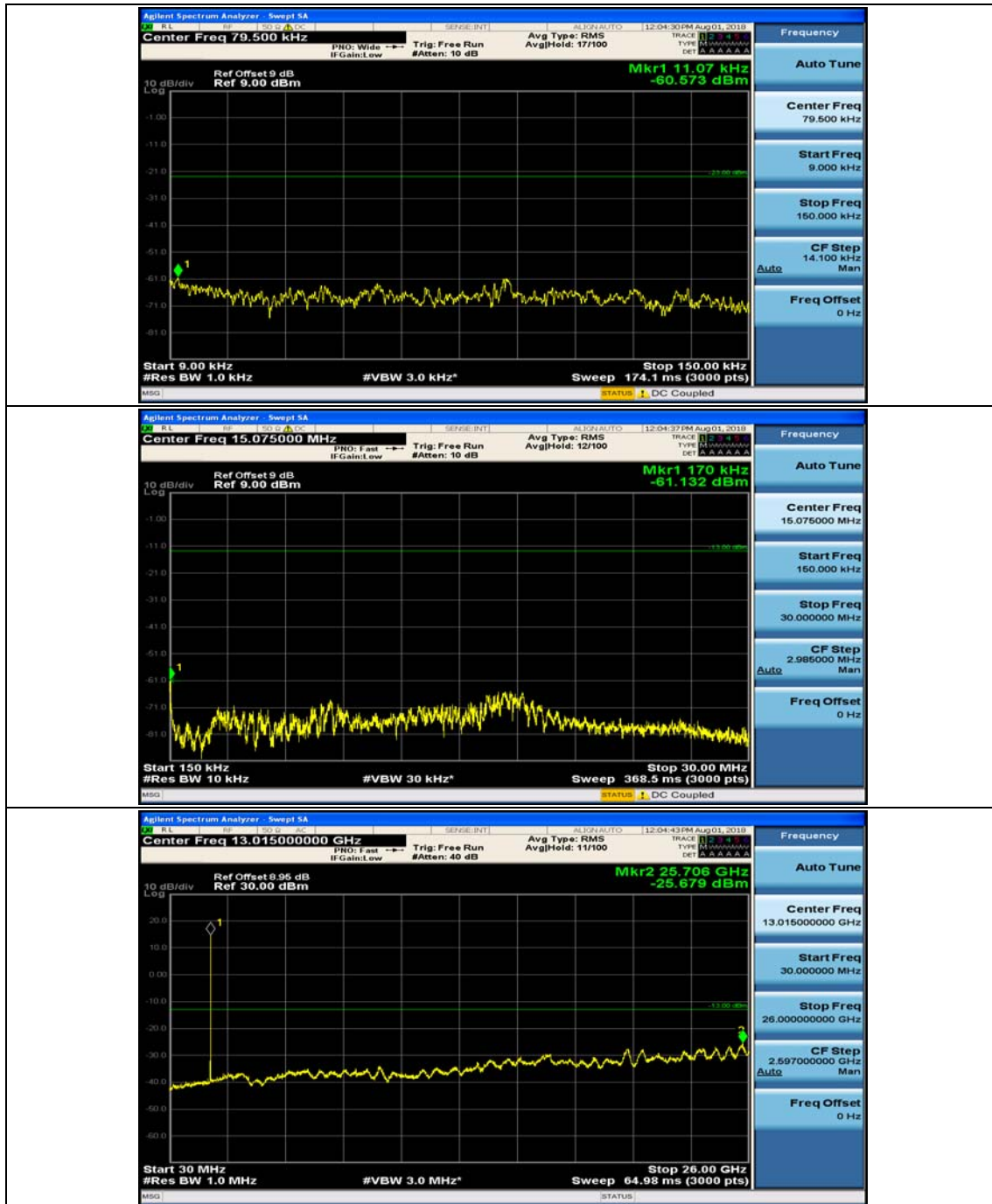




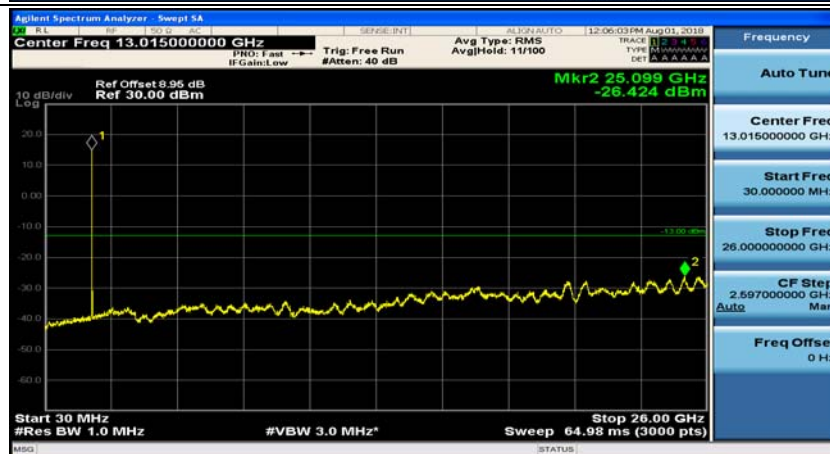
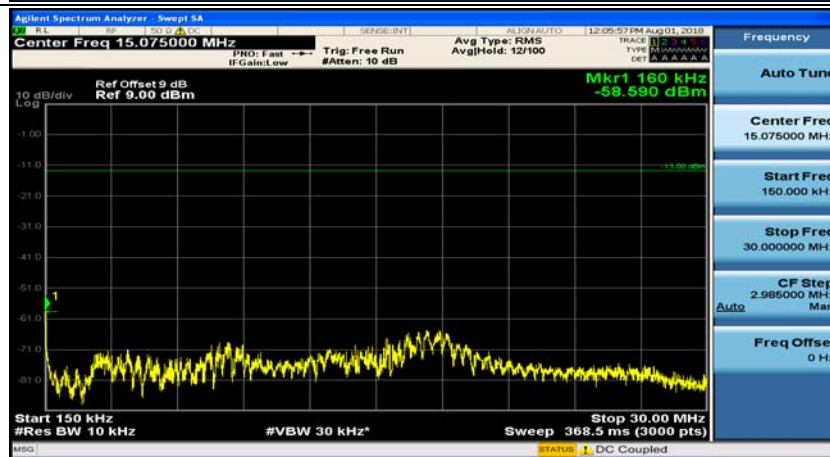
Channel Bandwidth: 15 MHz



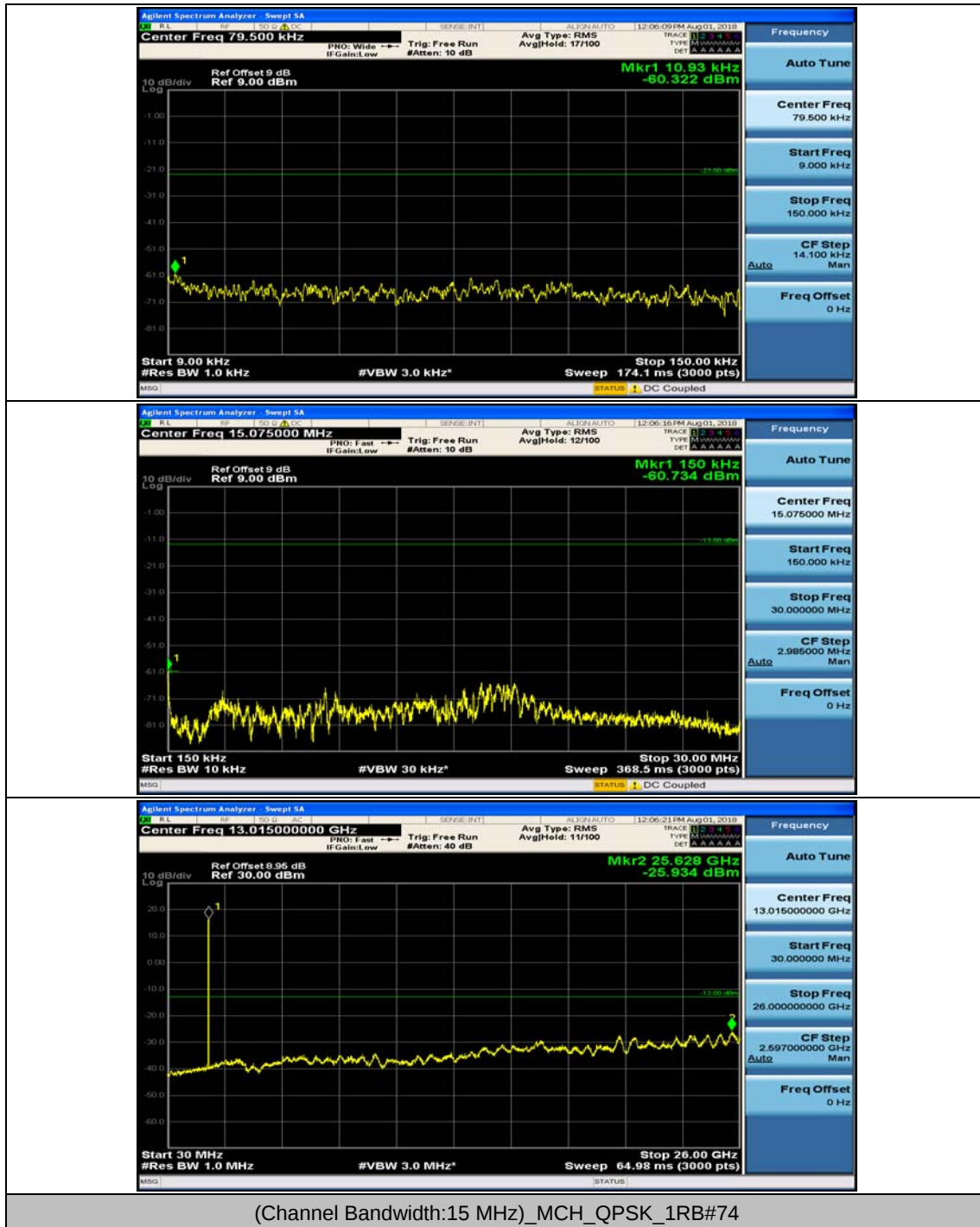


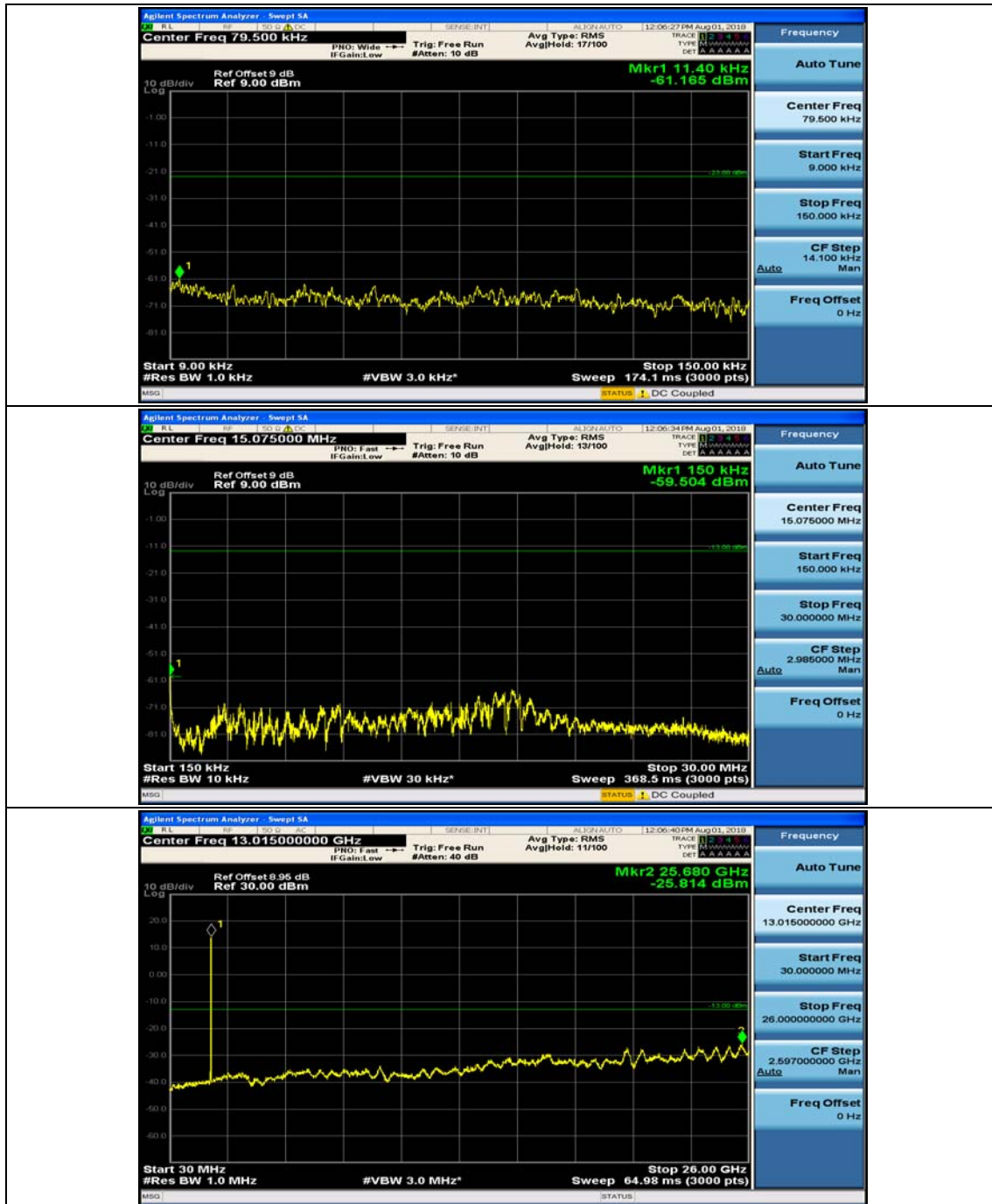


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

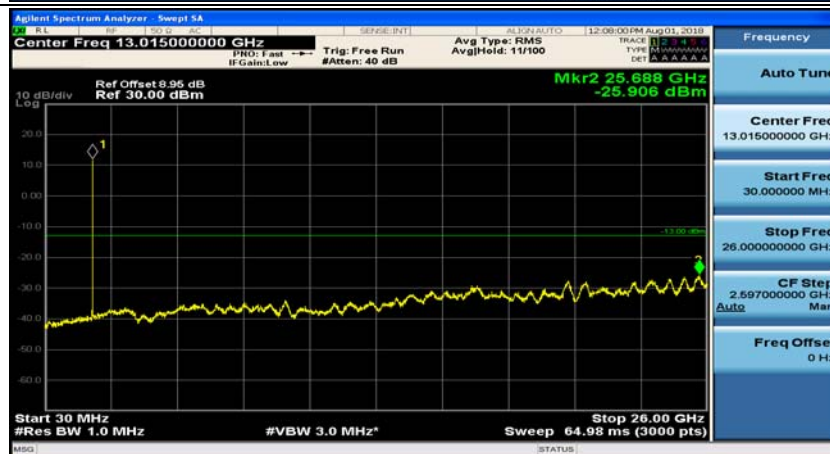
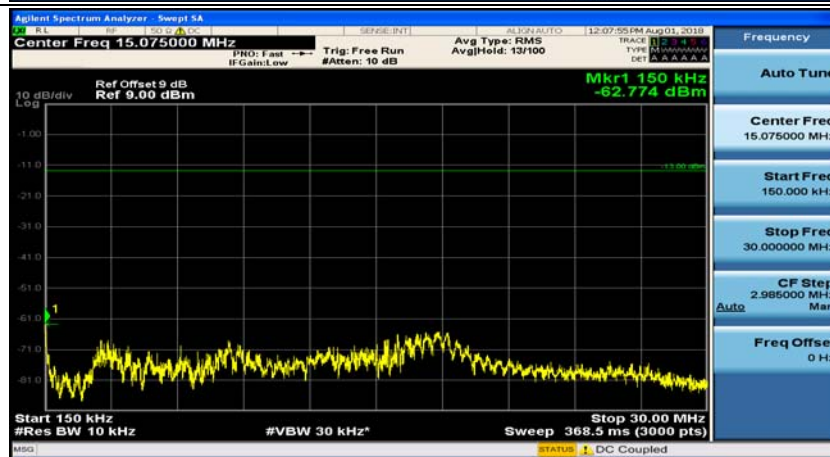
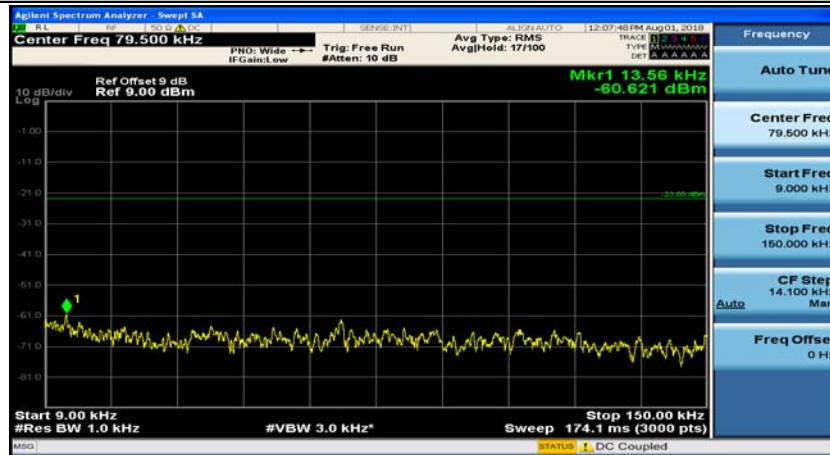


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

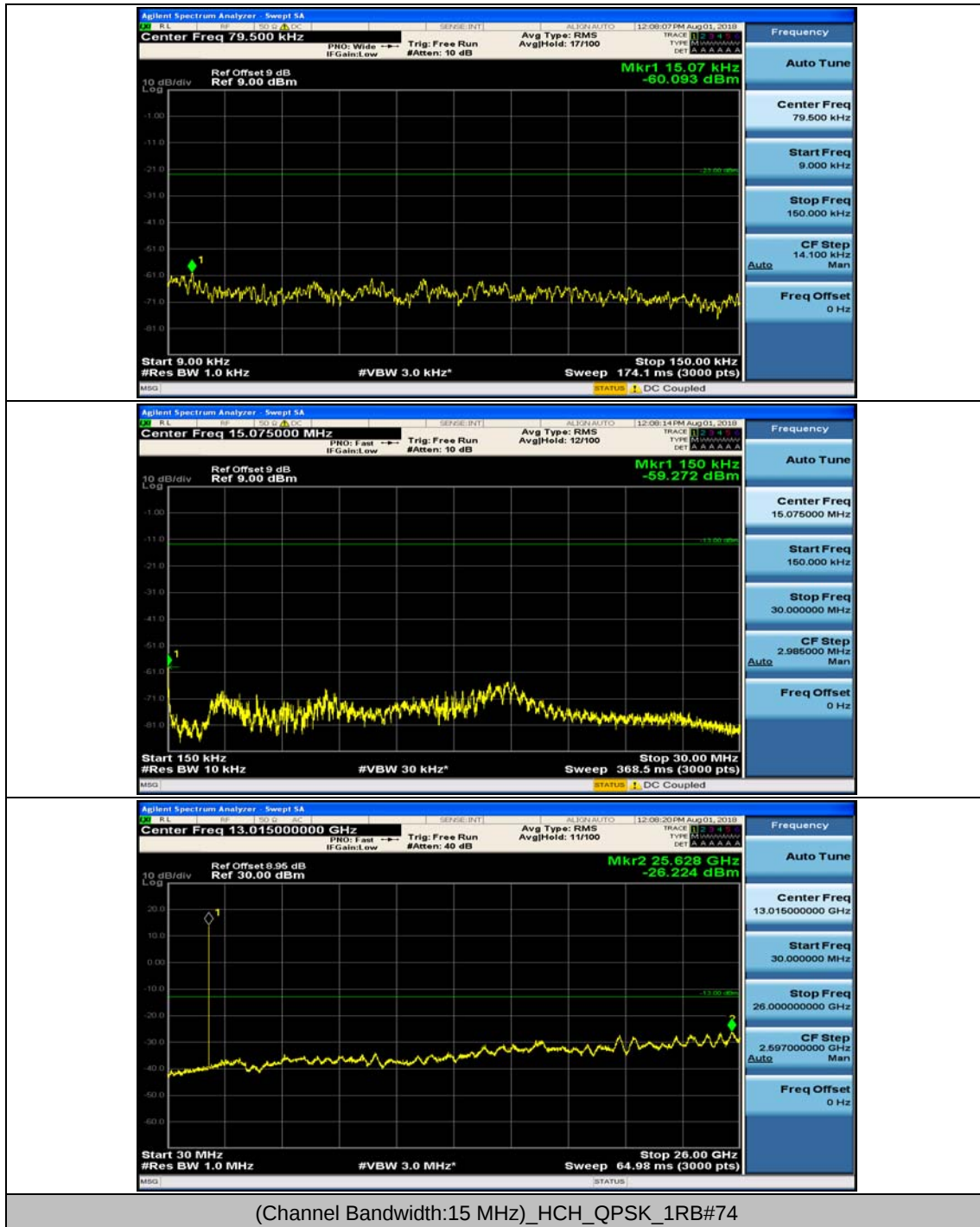


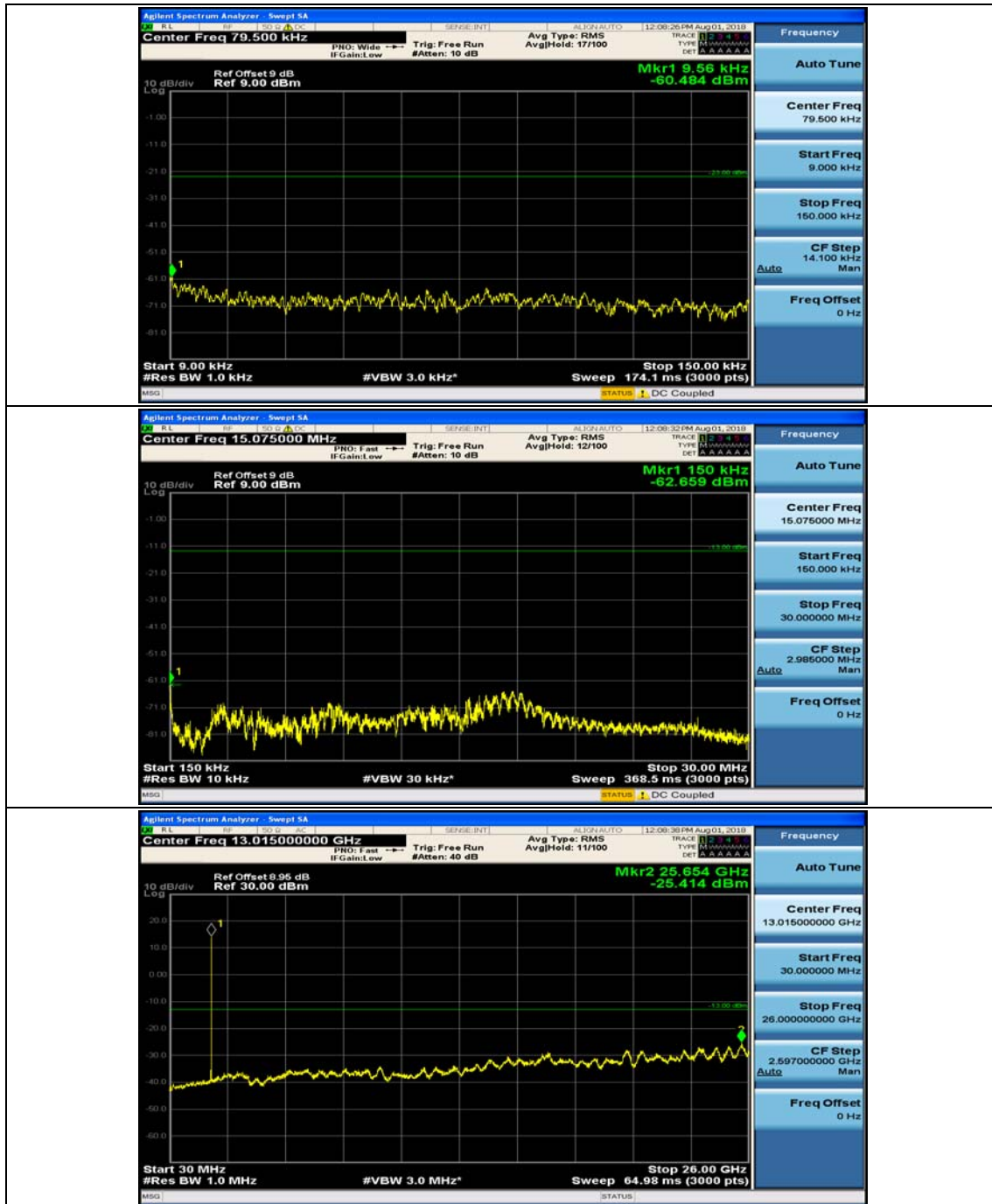


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

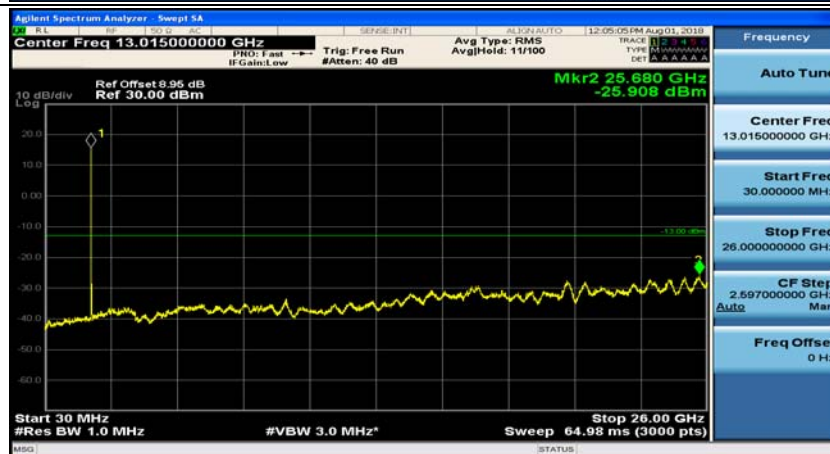
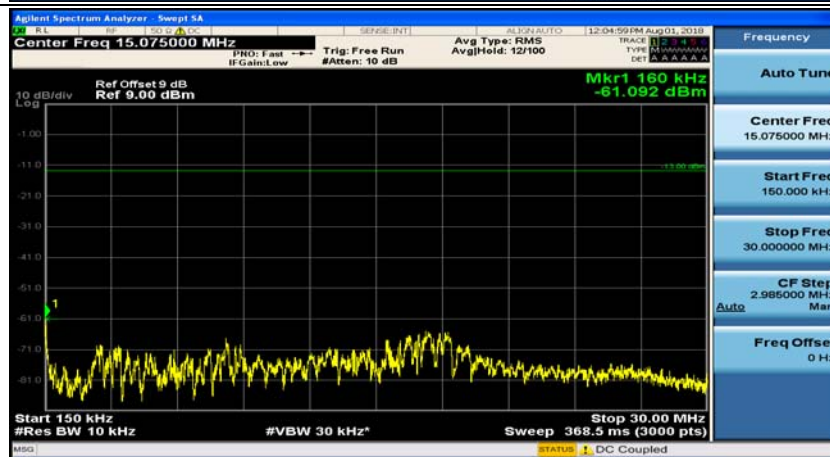
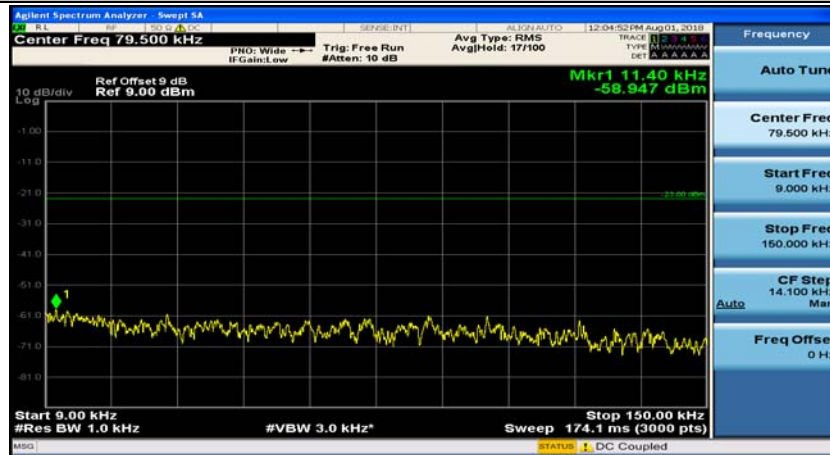


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

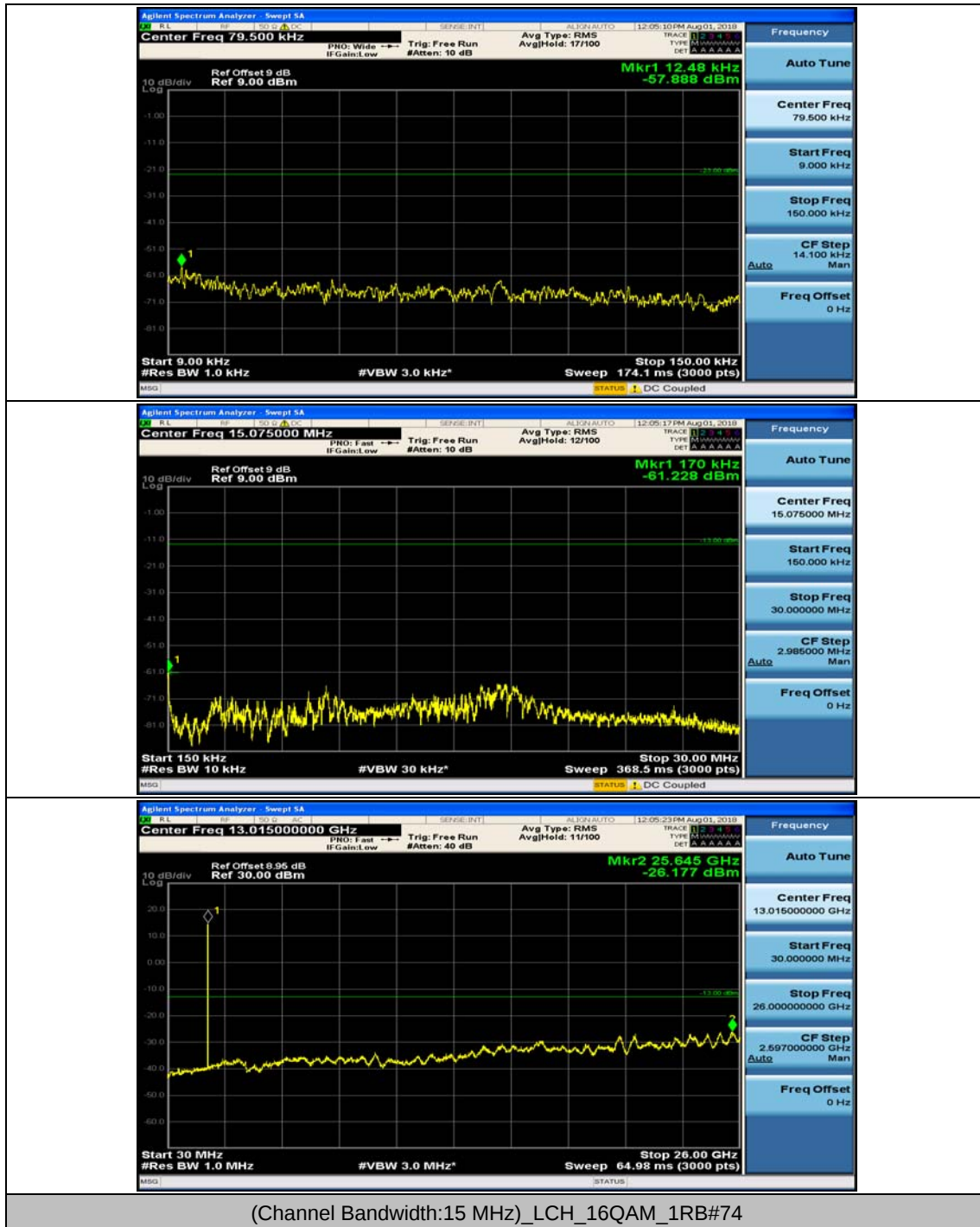


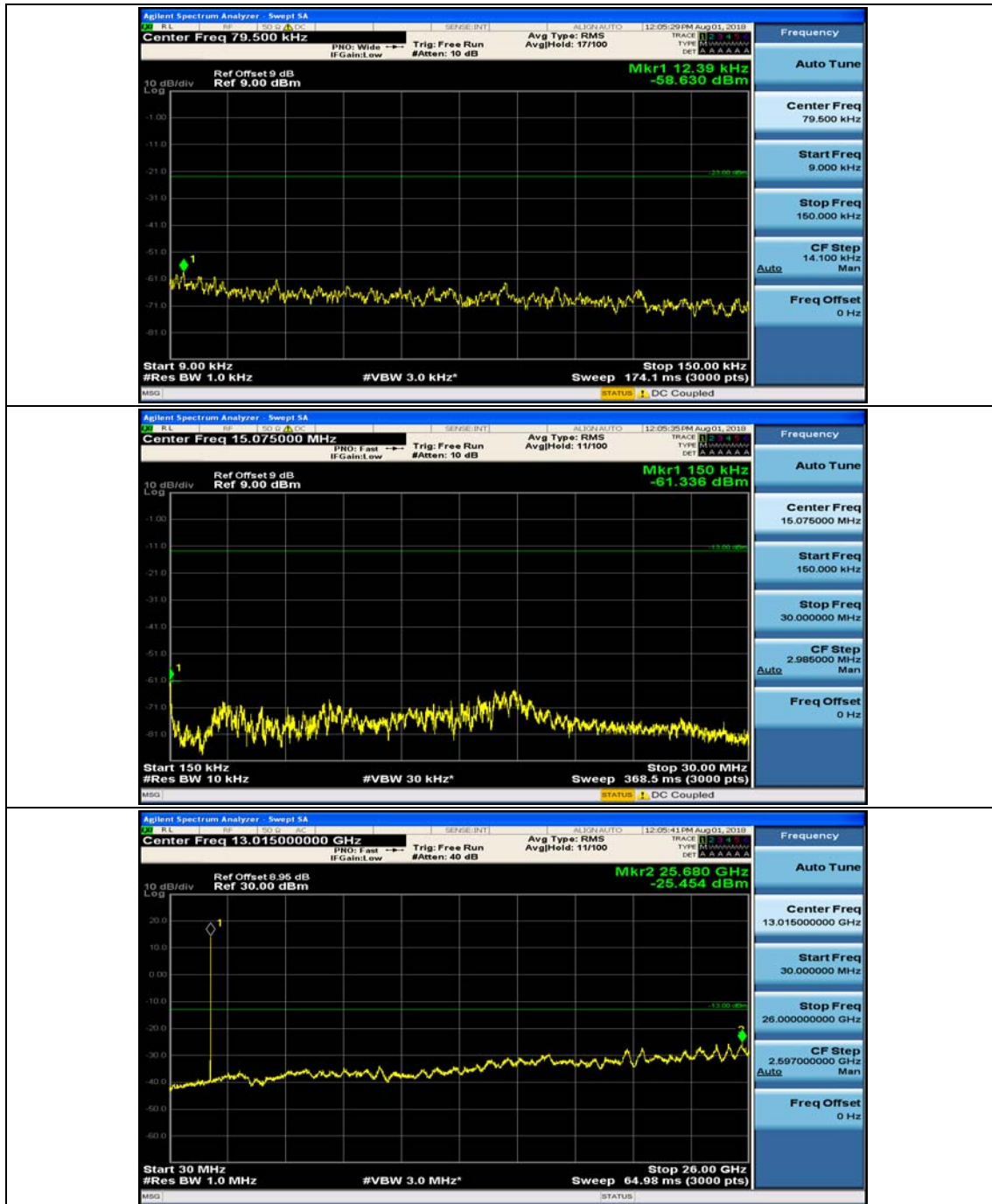


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

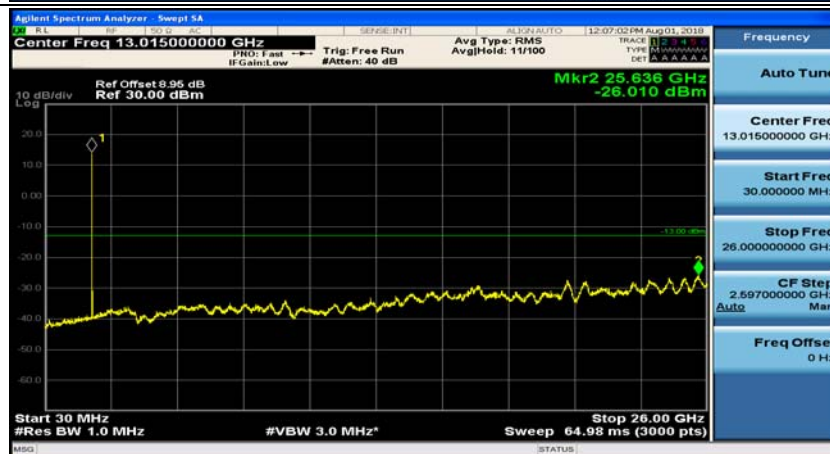
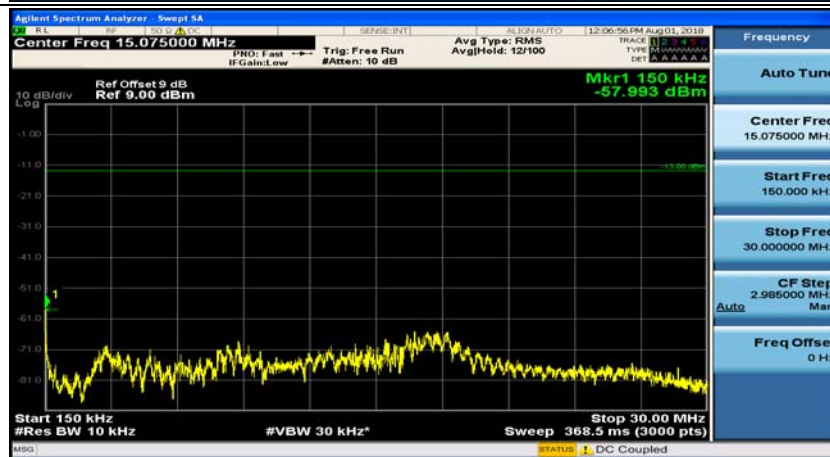
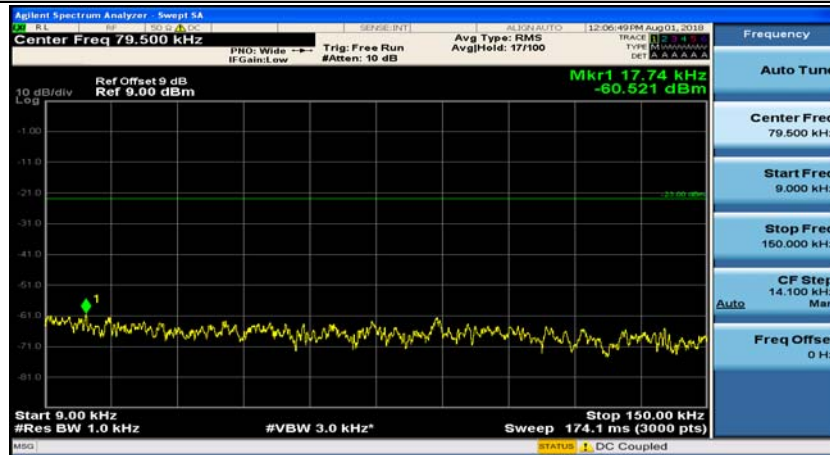


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

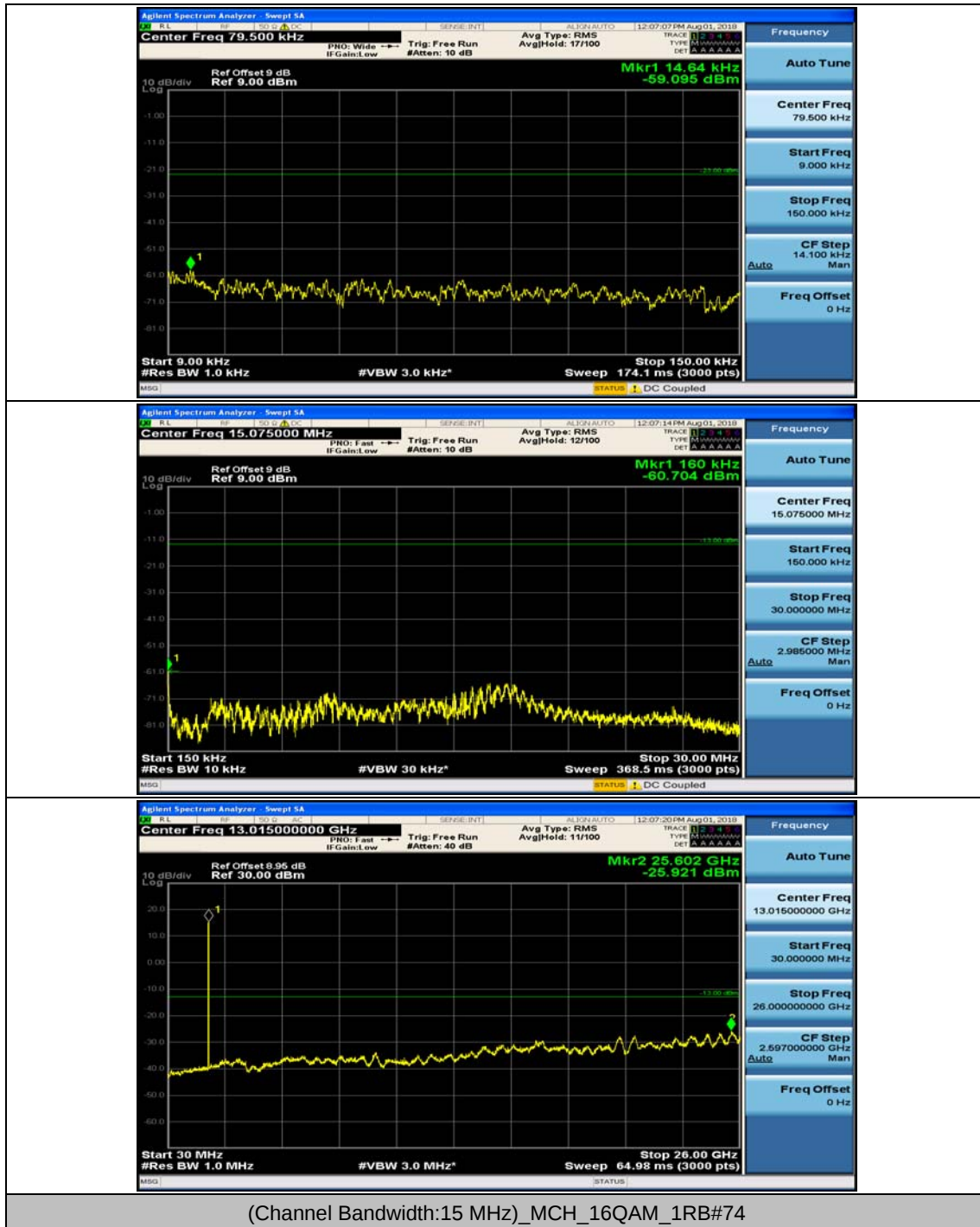


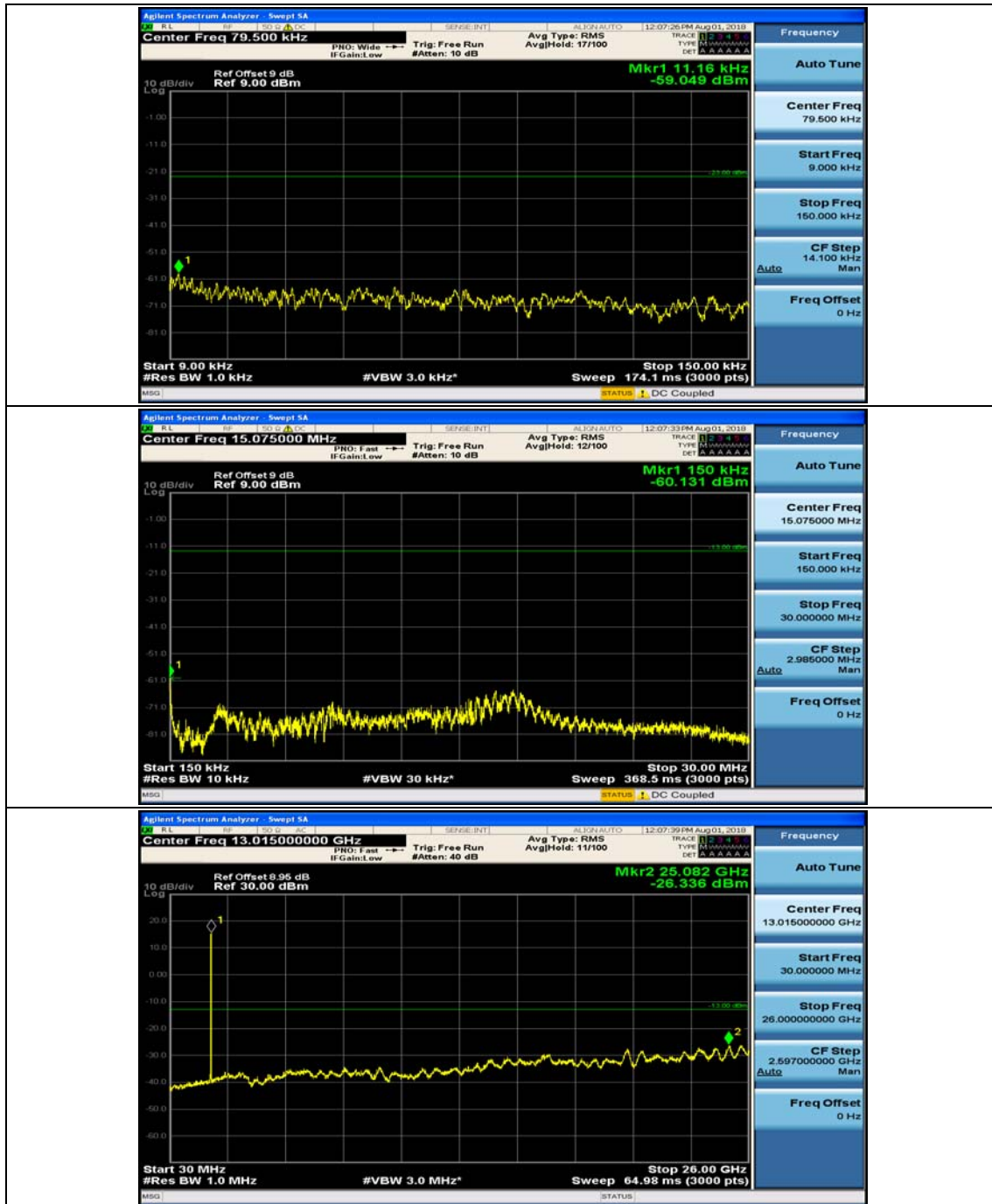


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

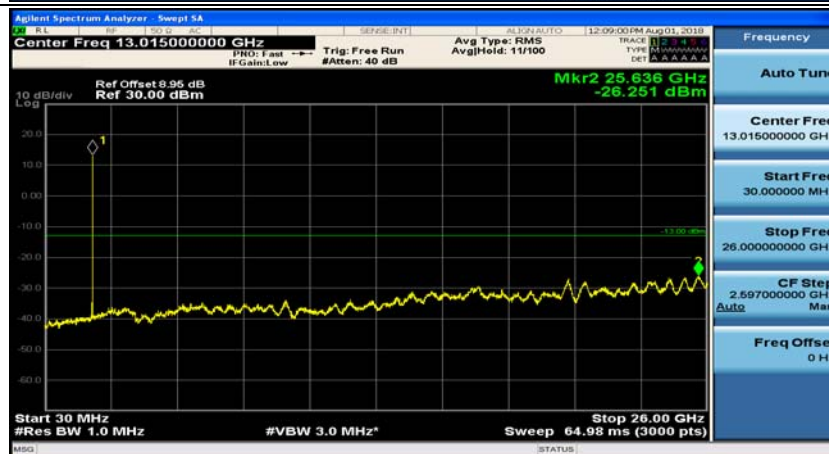
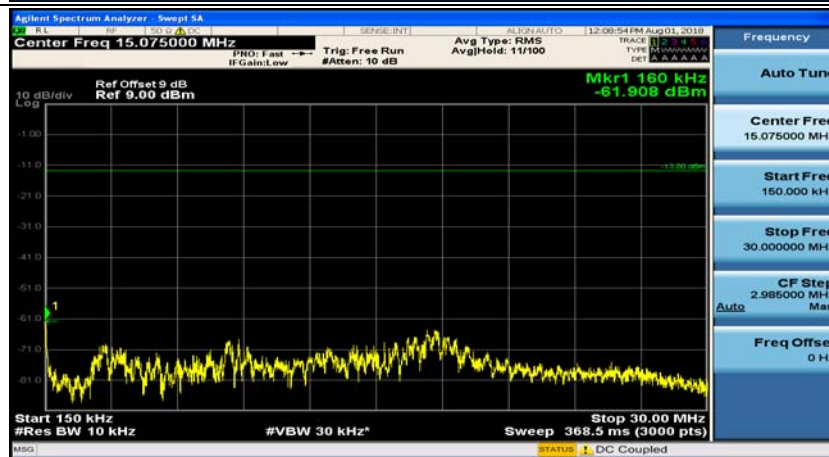
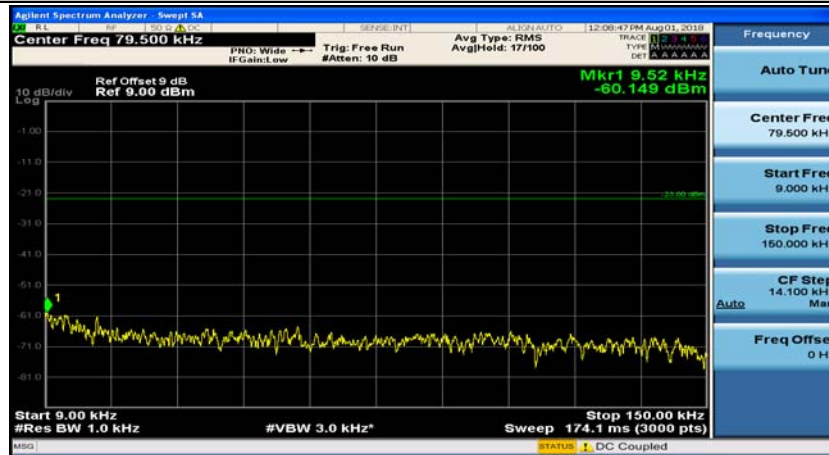


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

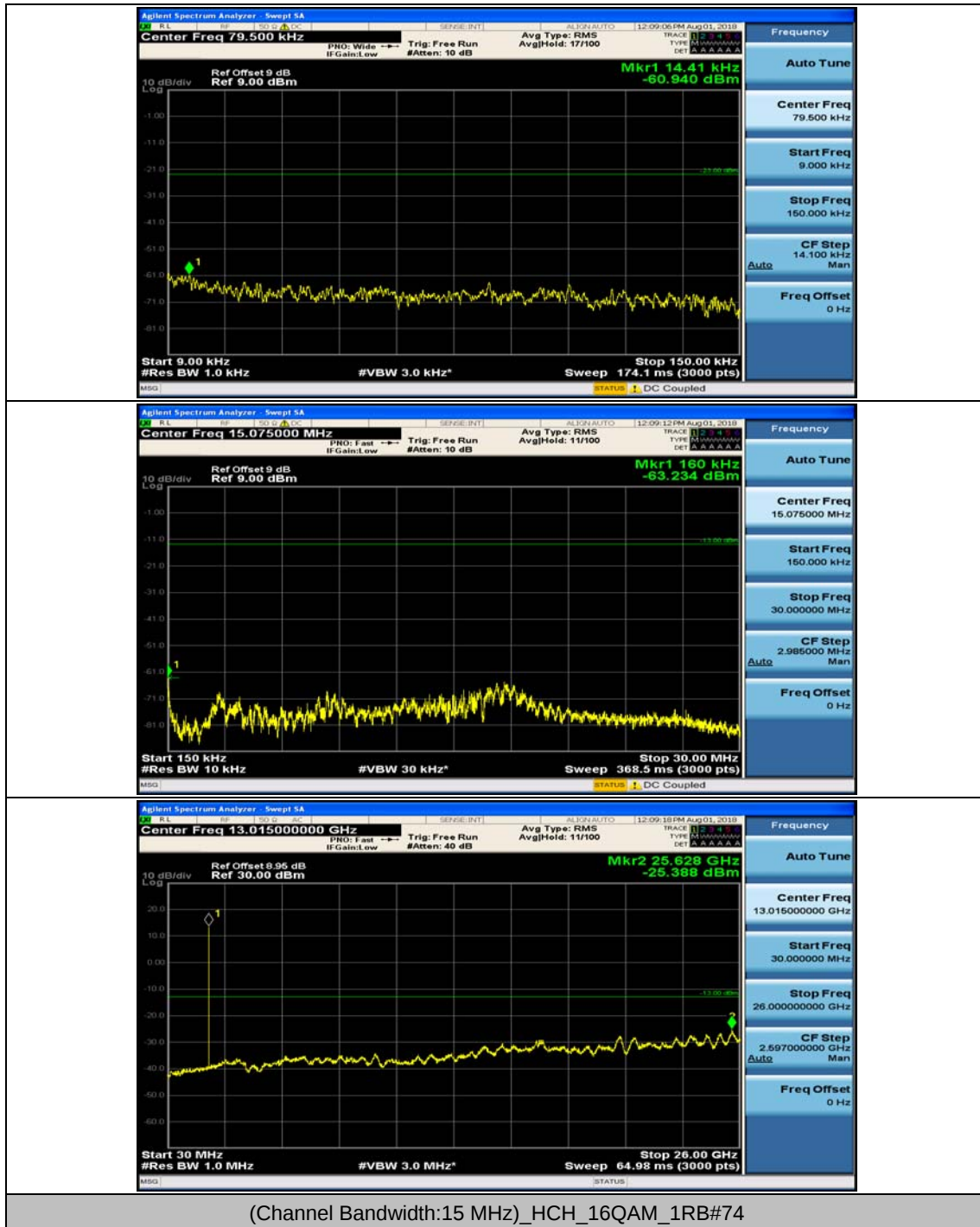


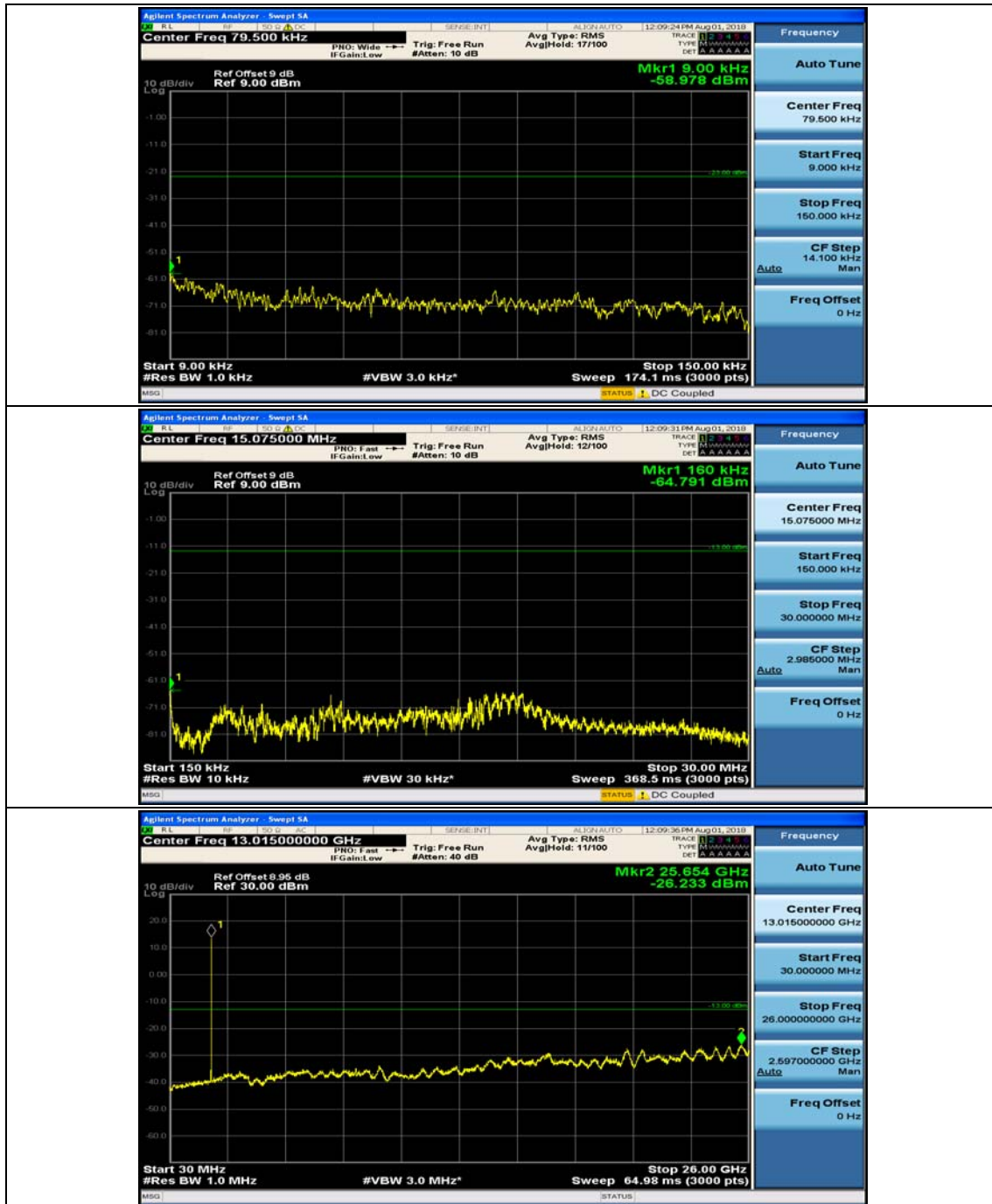


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

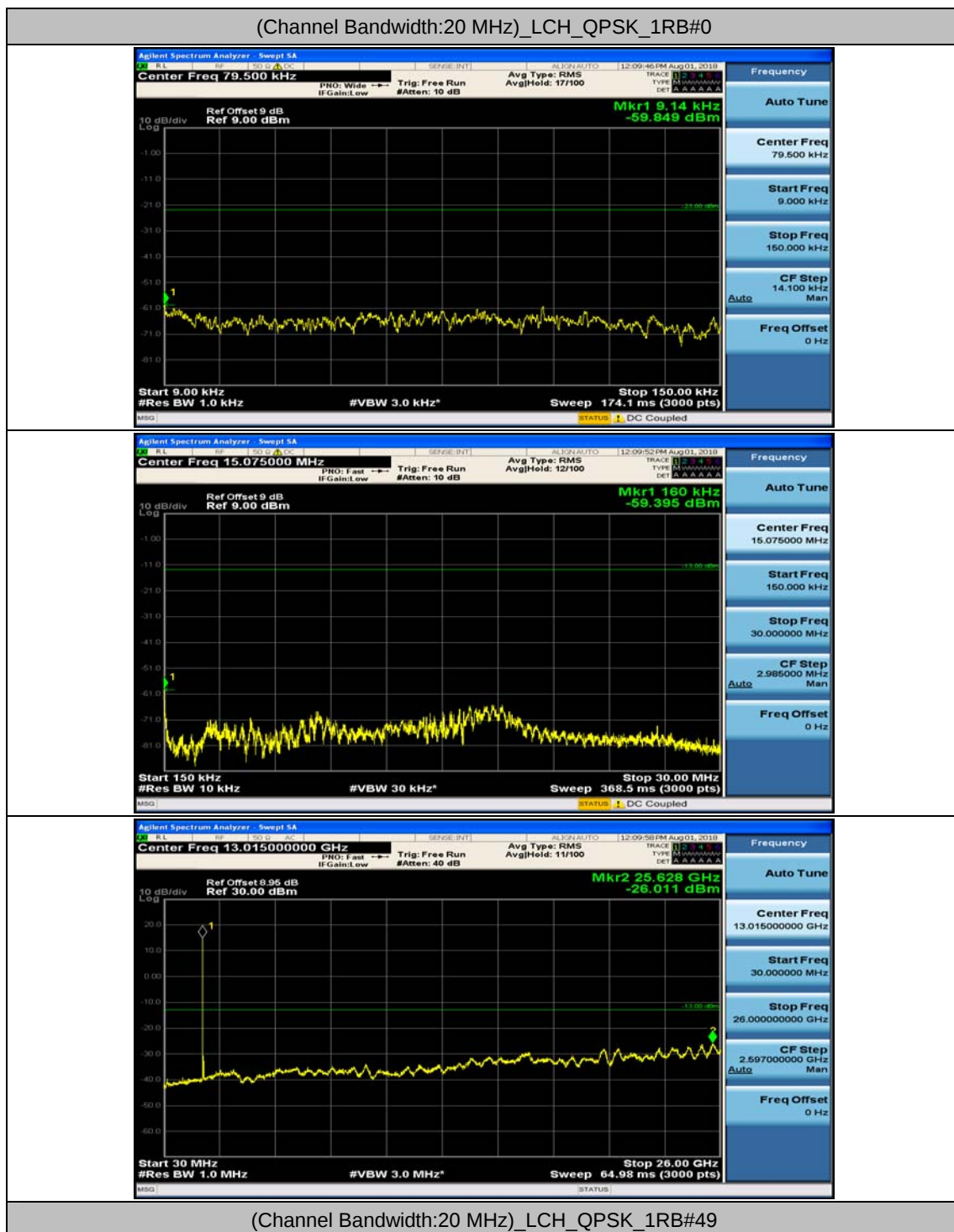


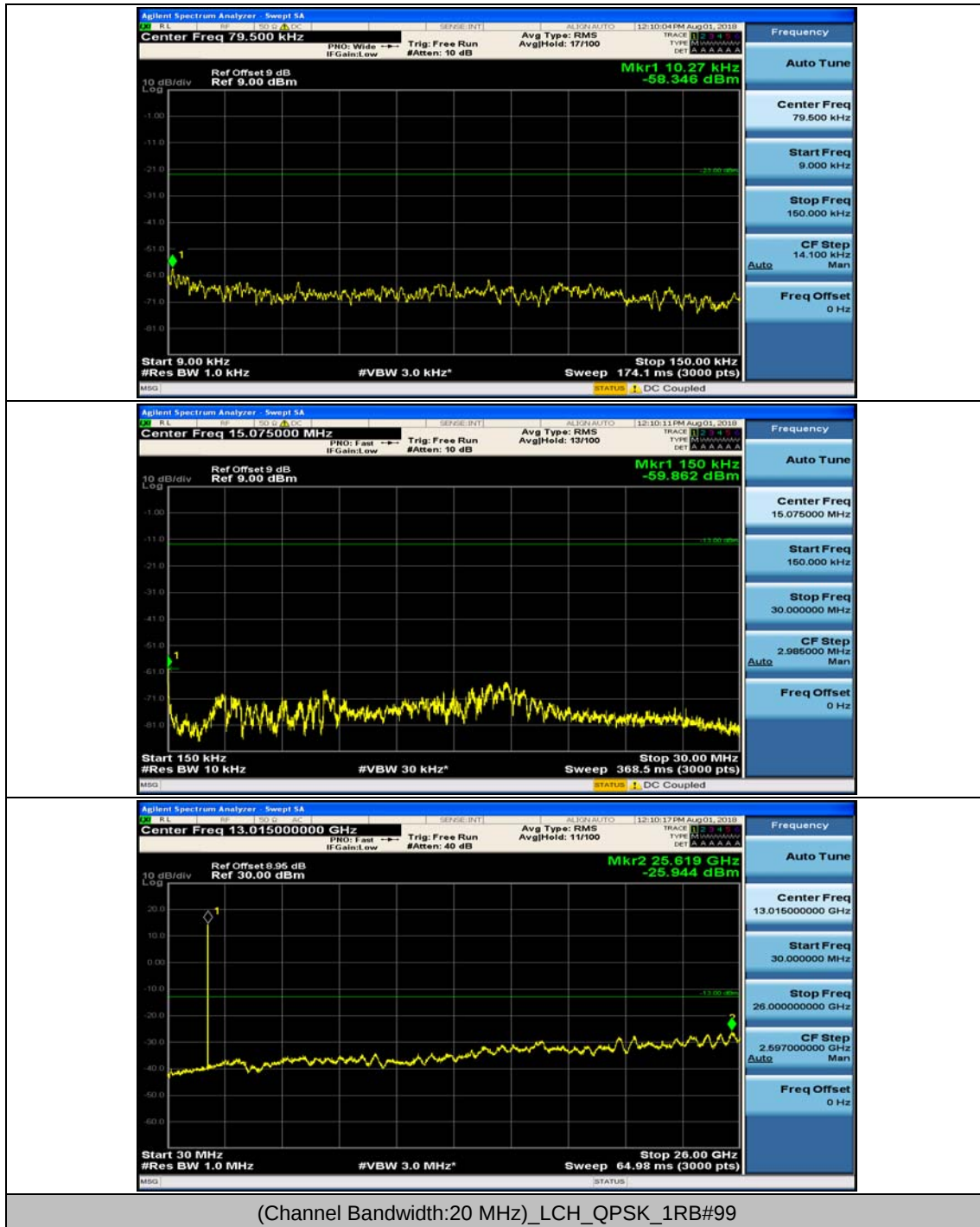
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

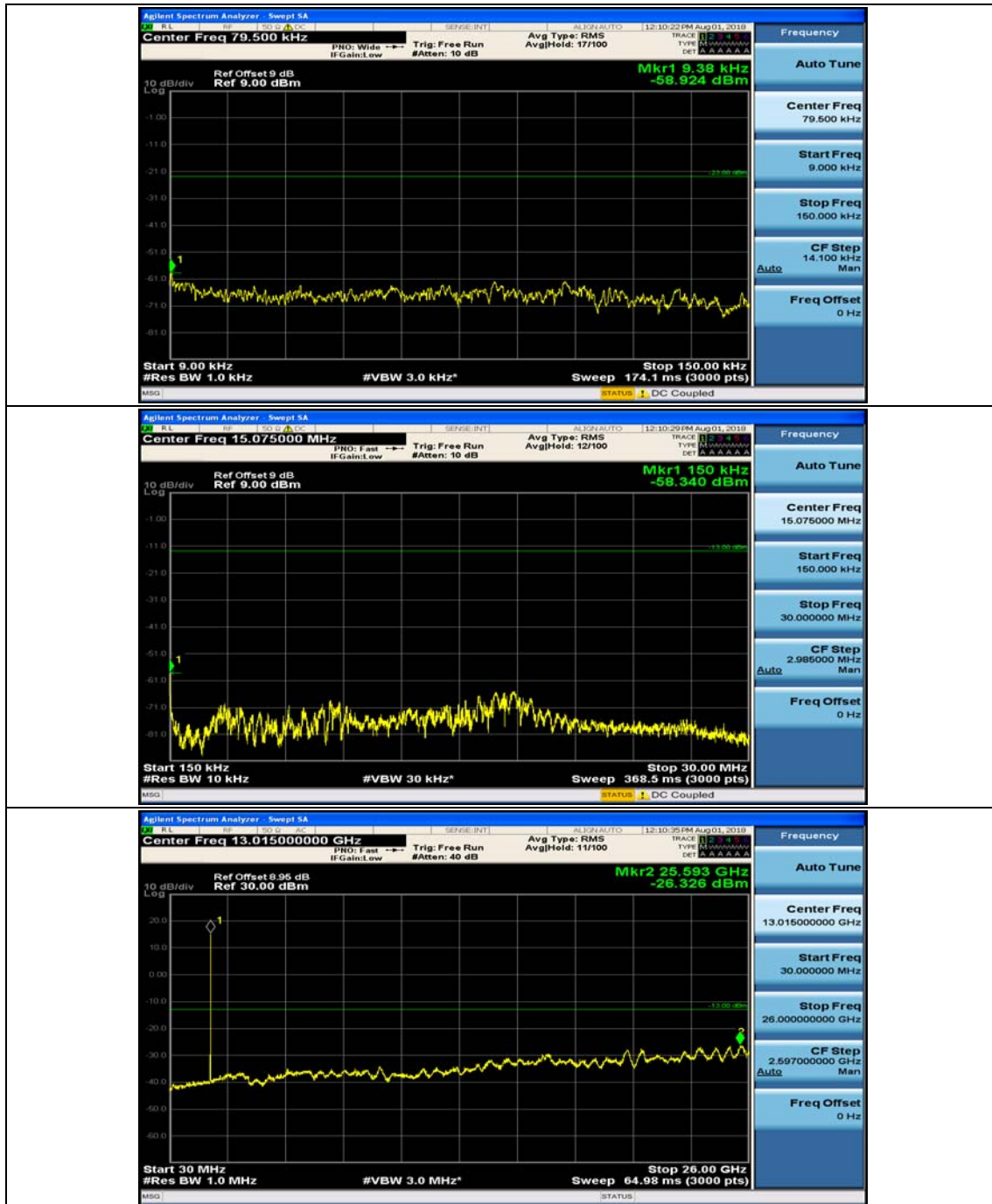




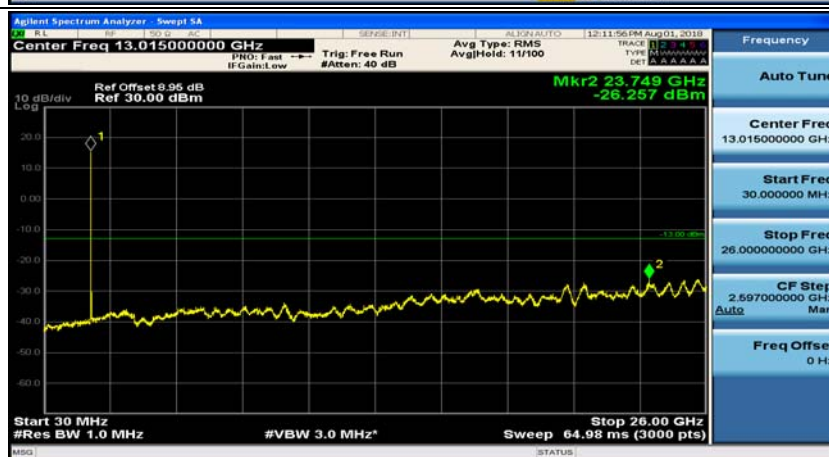
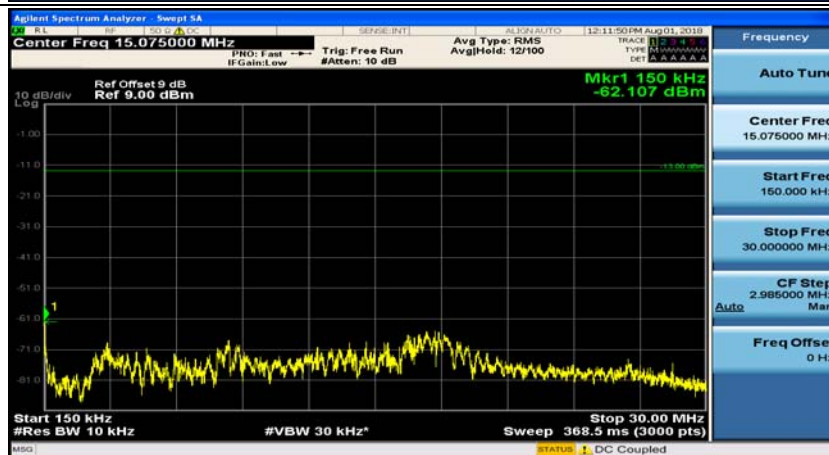
Channel Bandwidth: 20 MHz



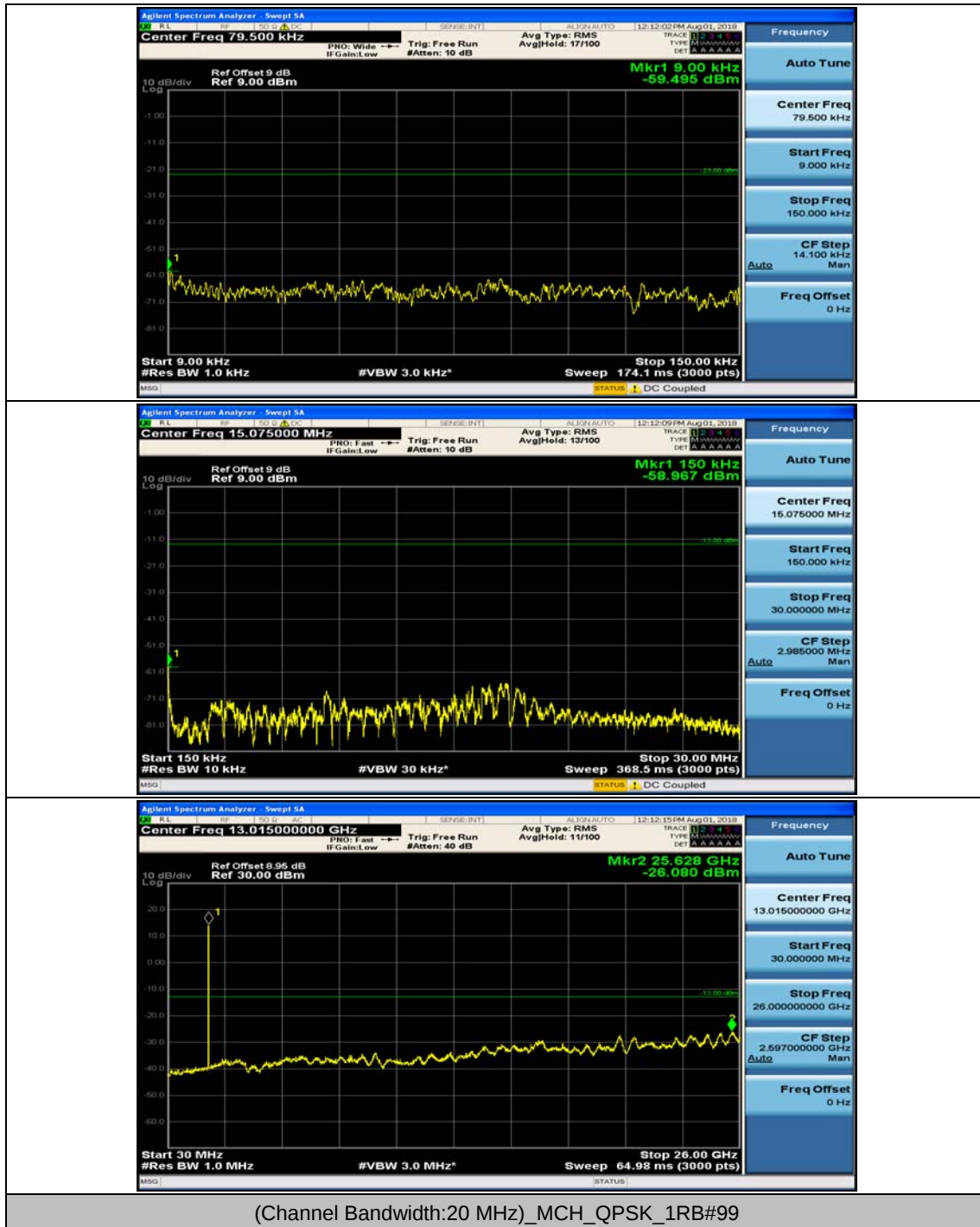


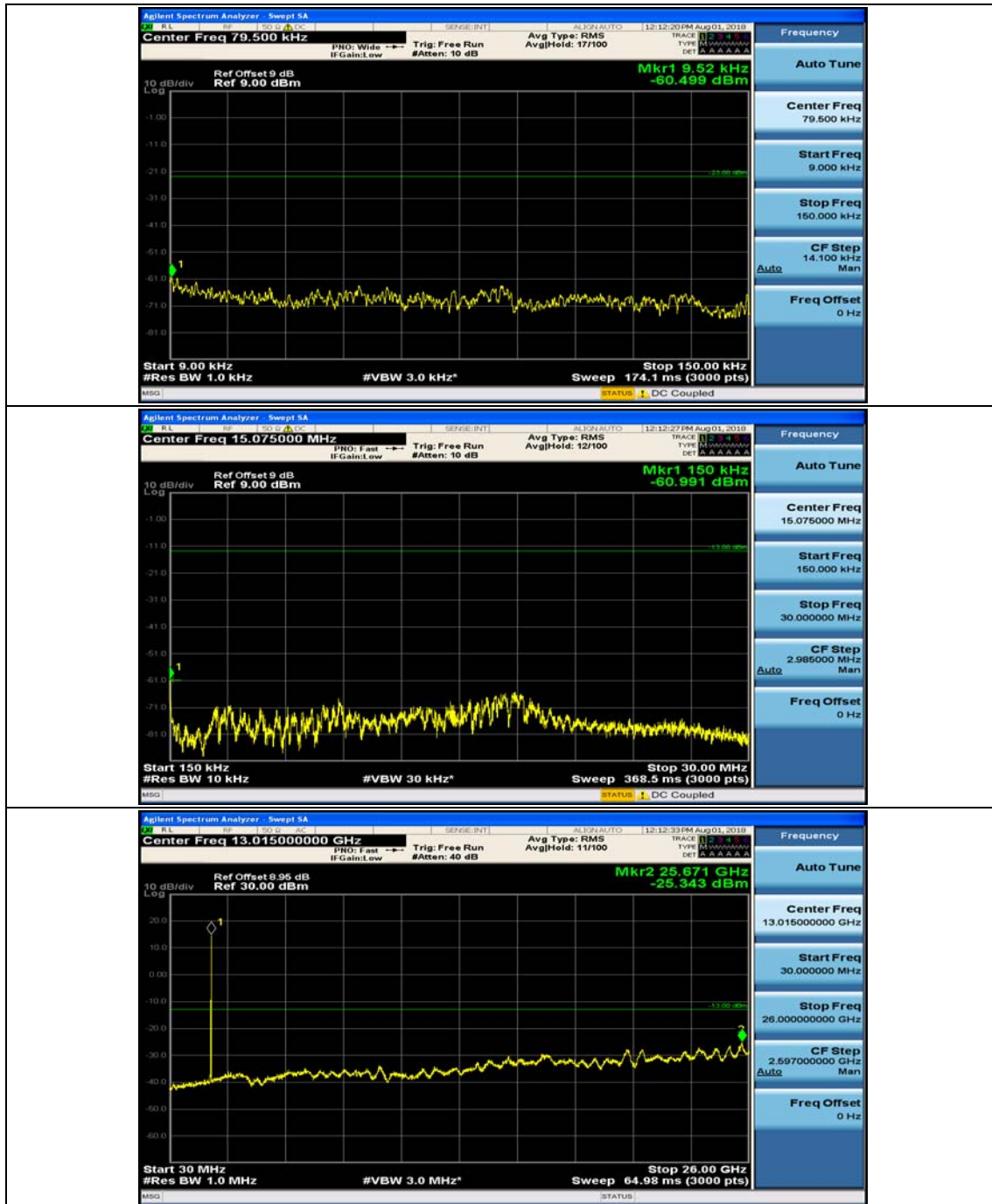


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

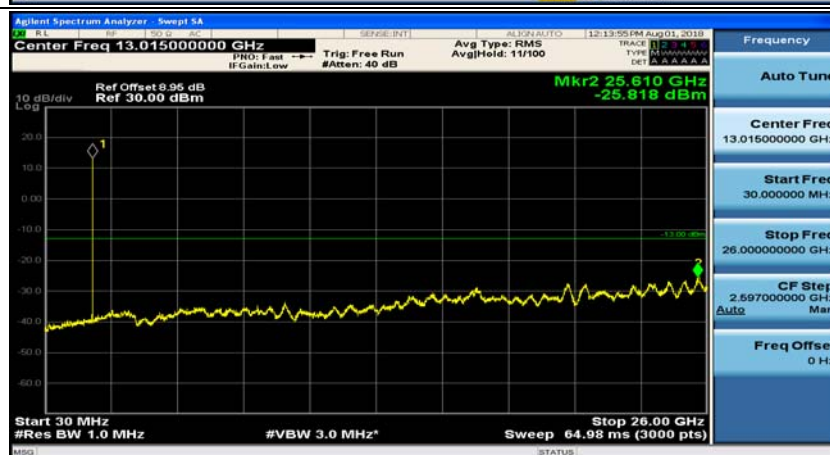
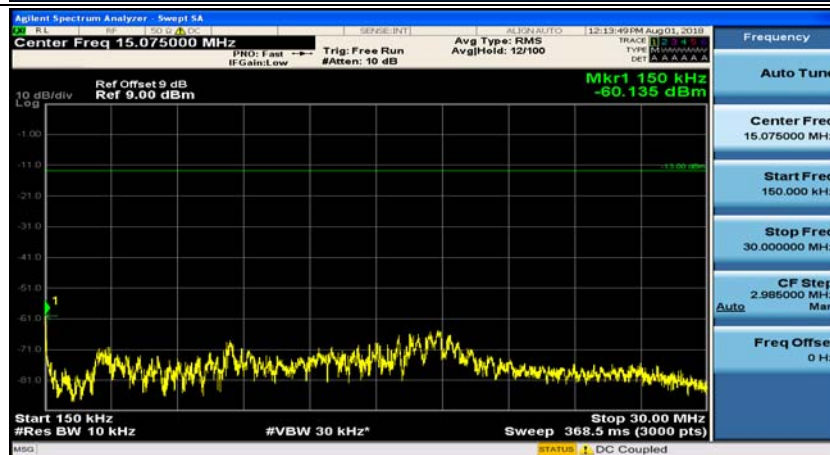
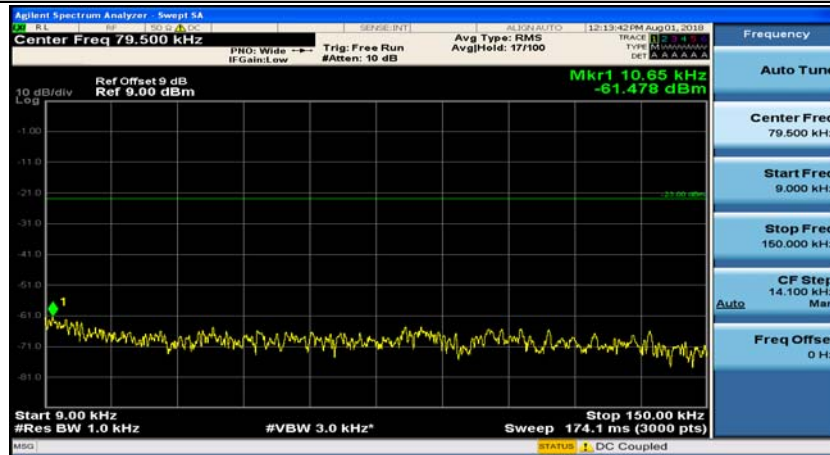


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

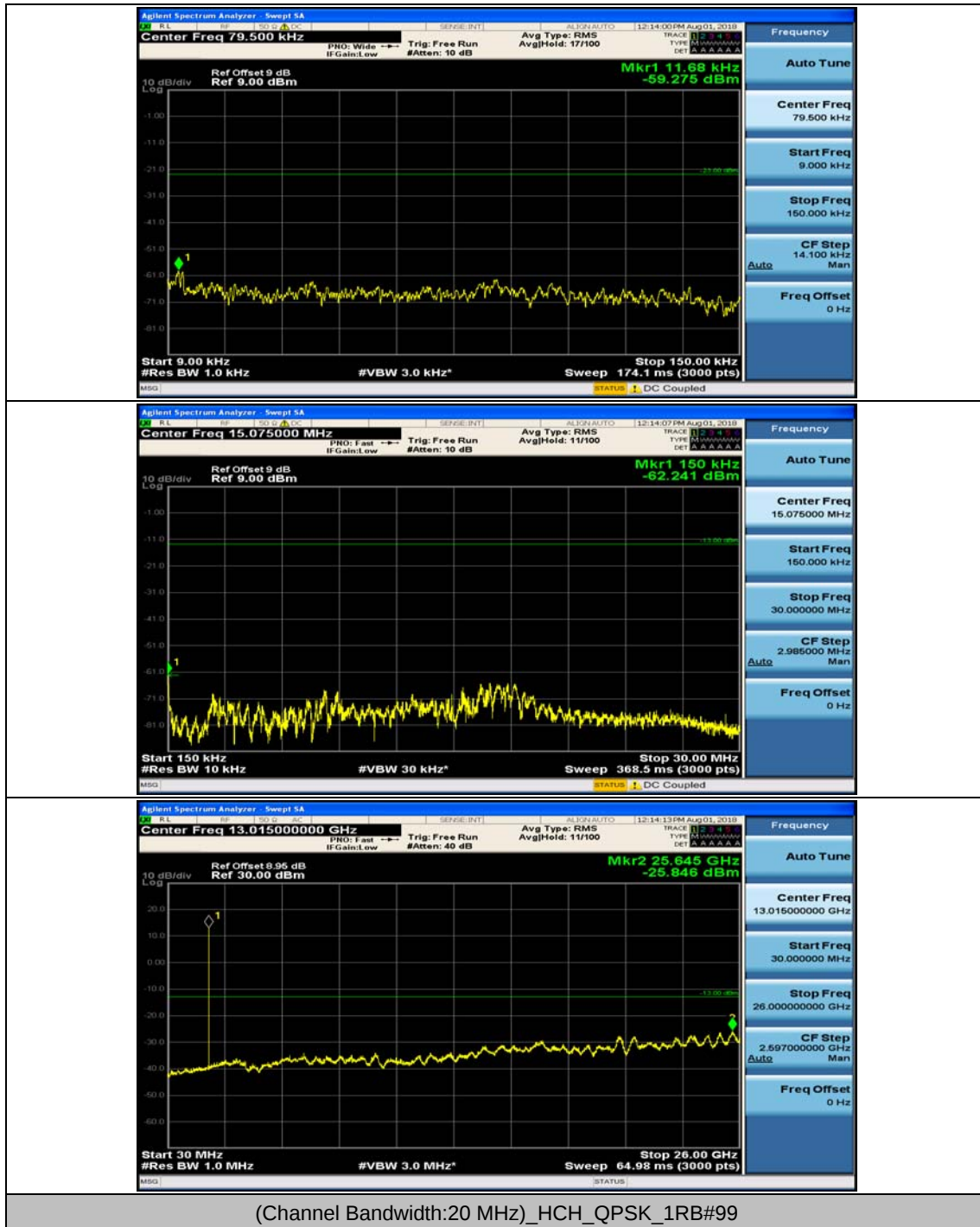


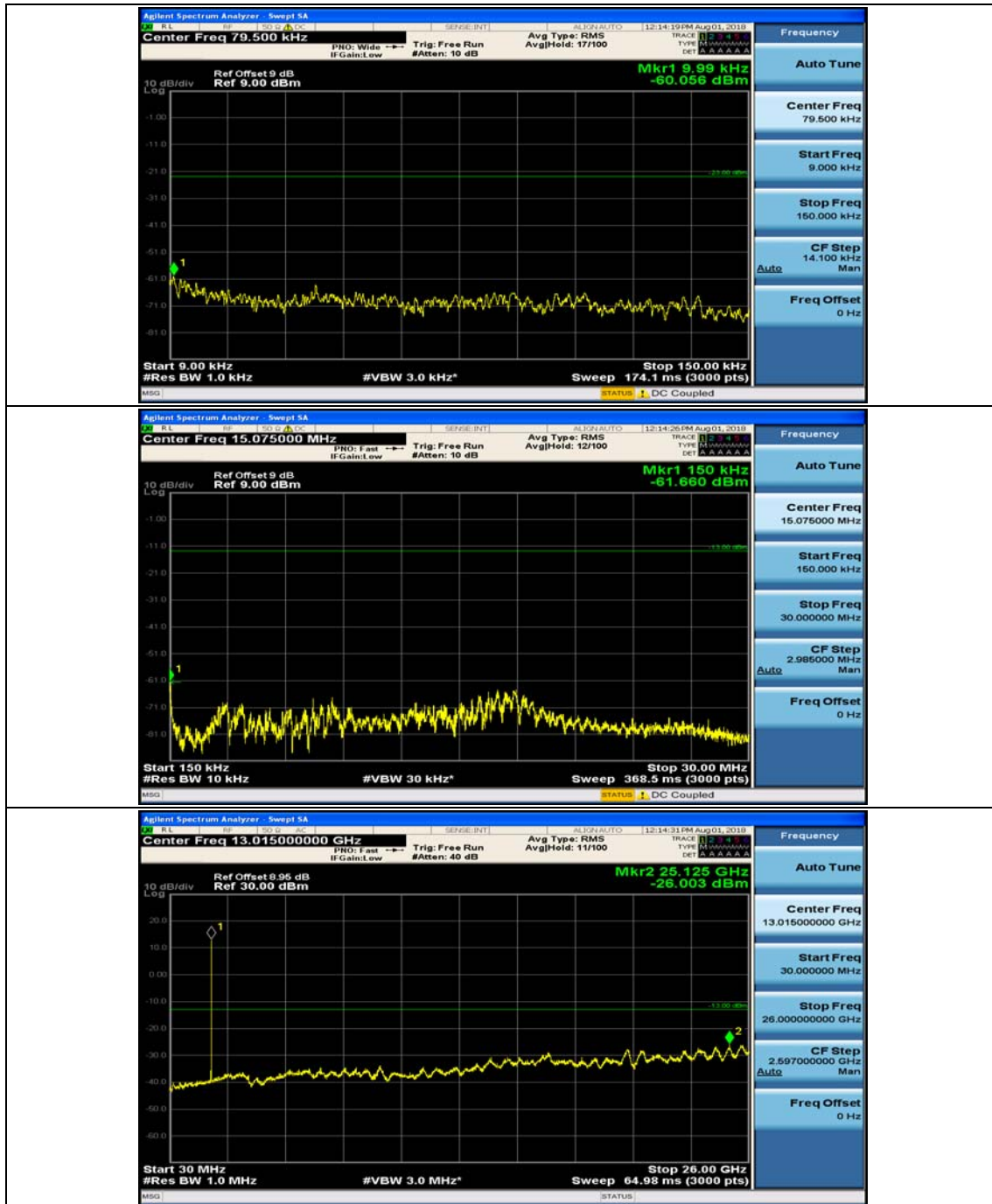


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

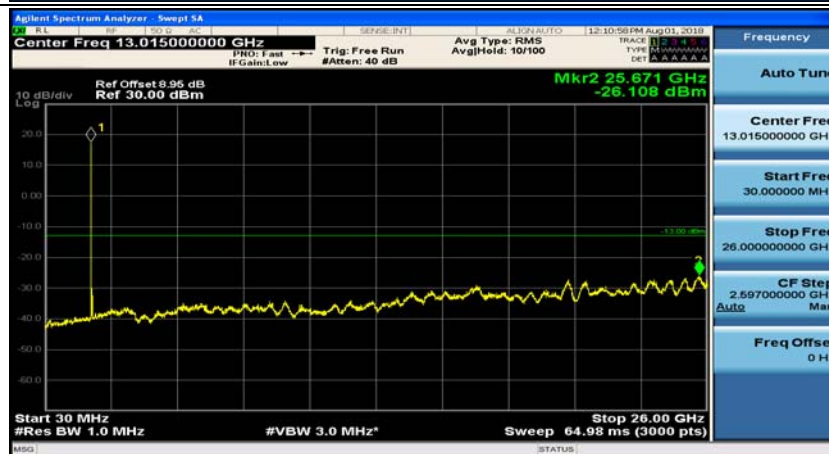
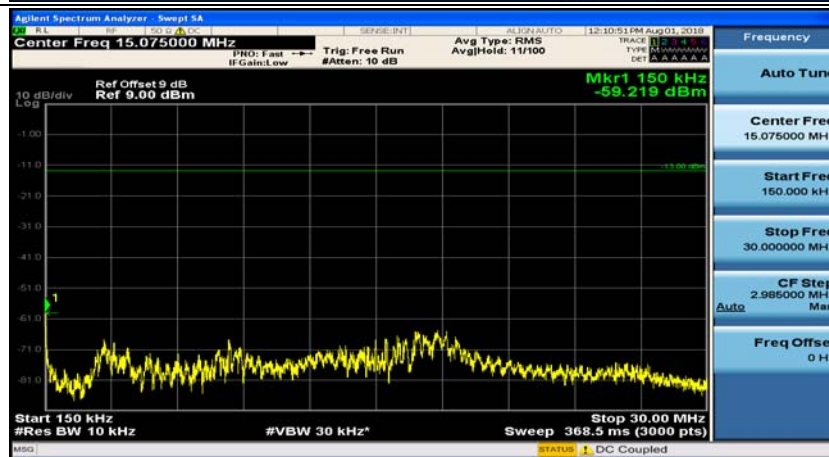
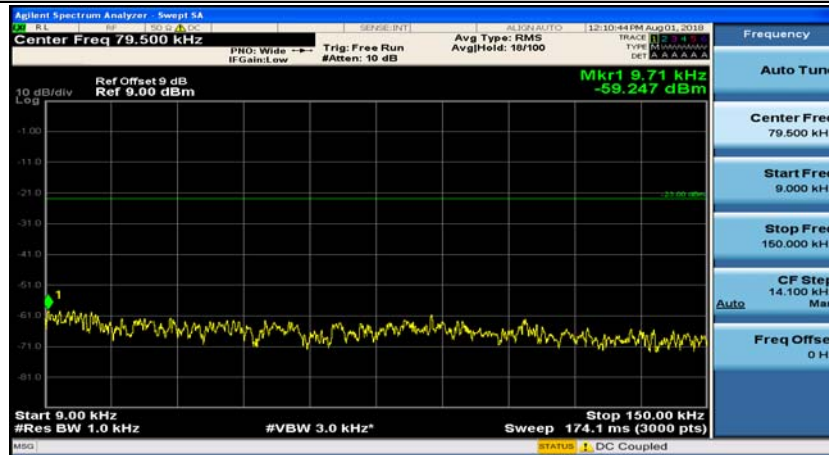


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

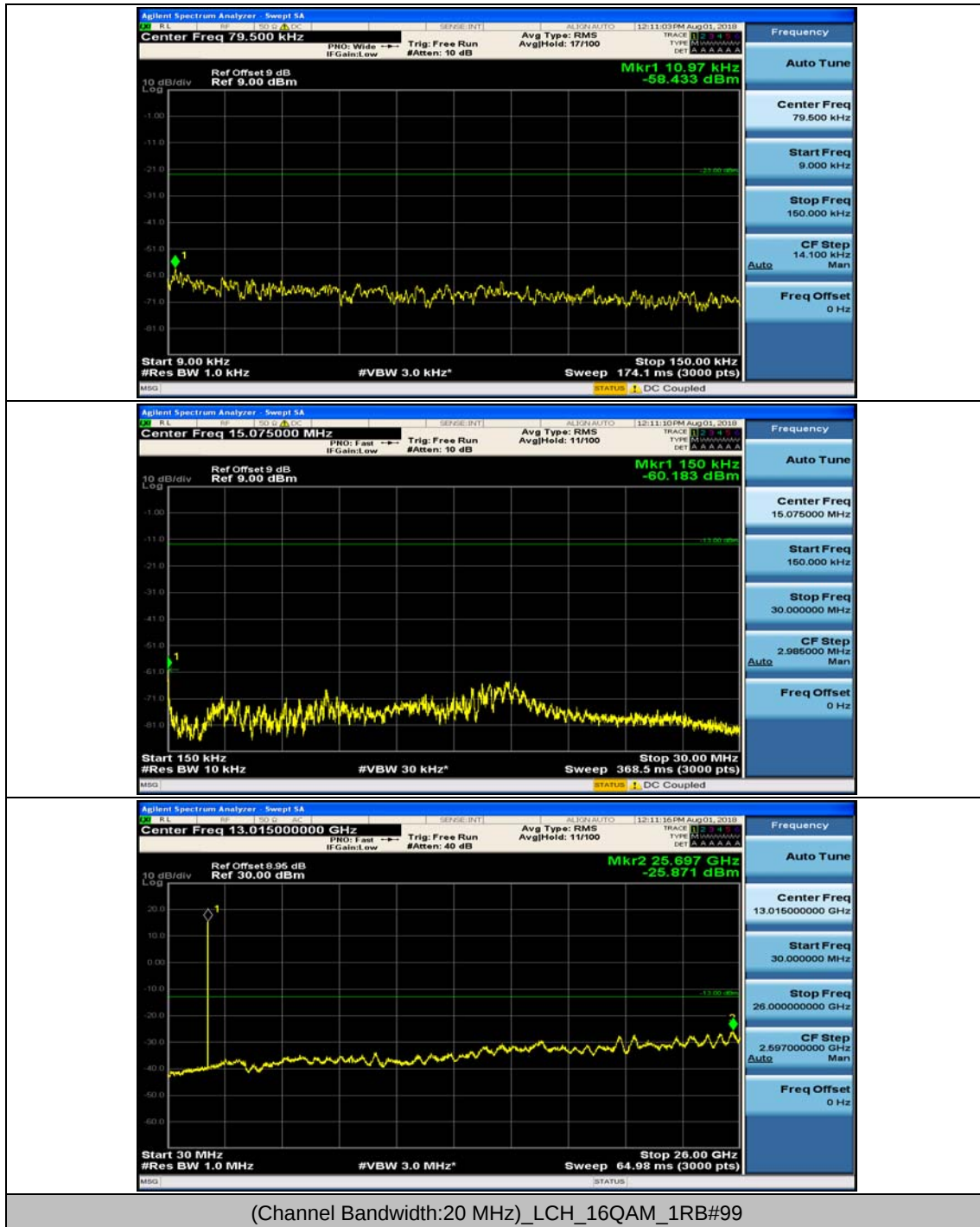


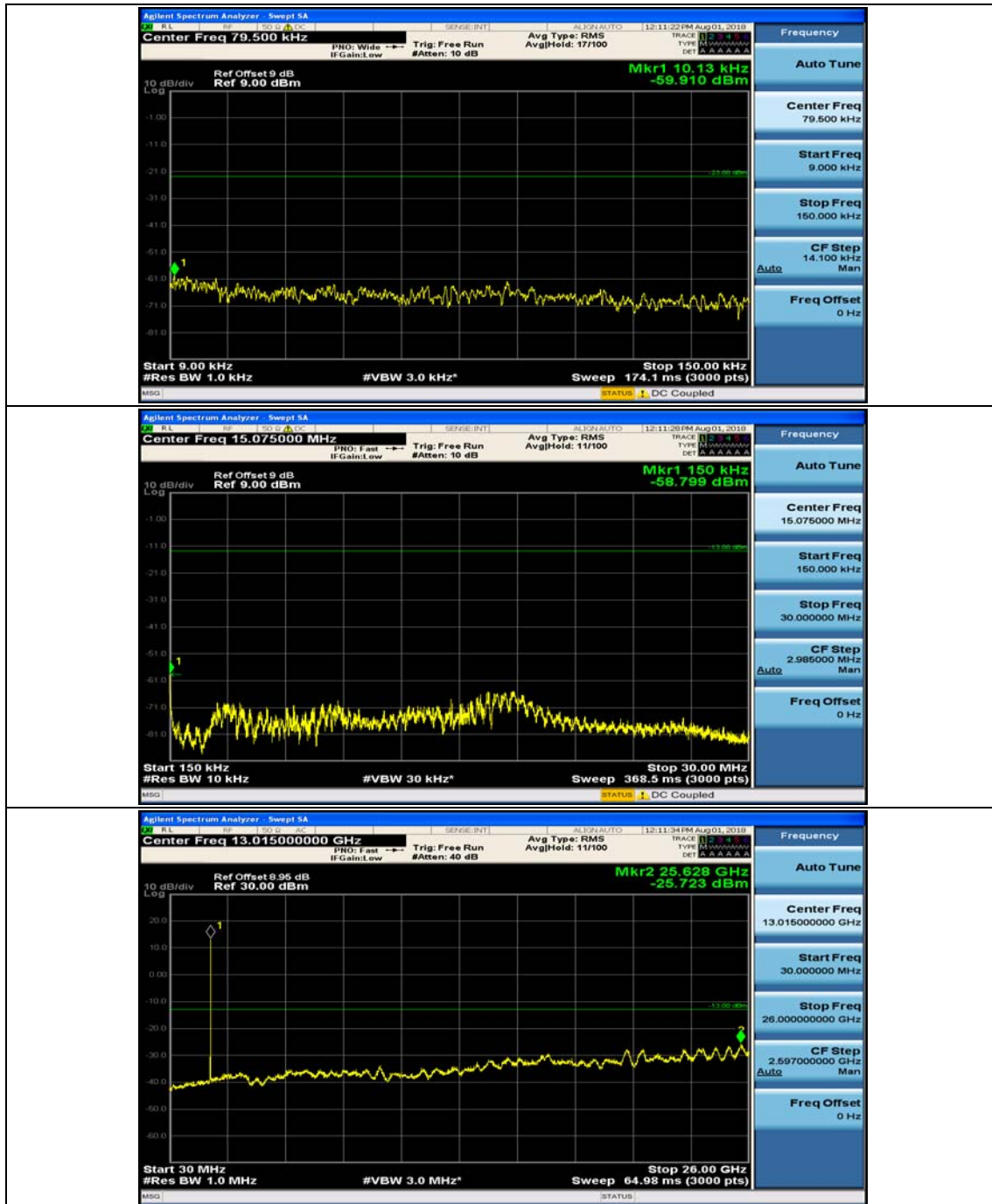


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

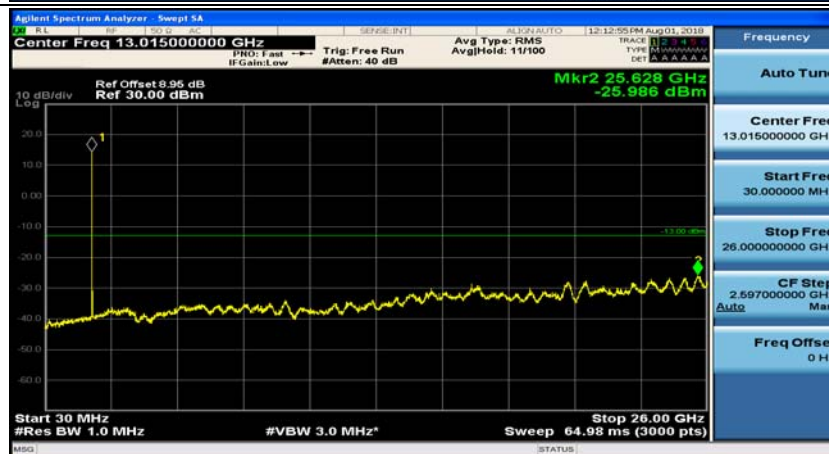
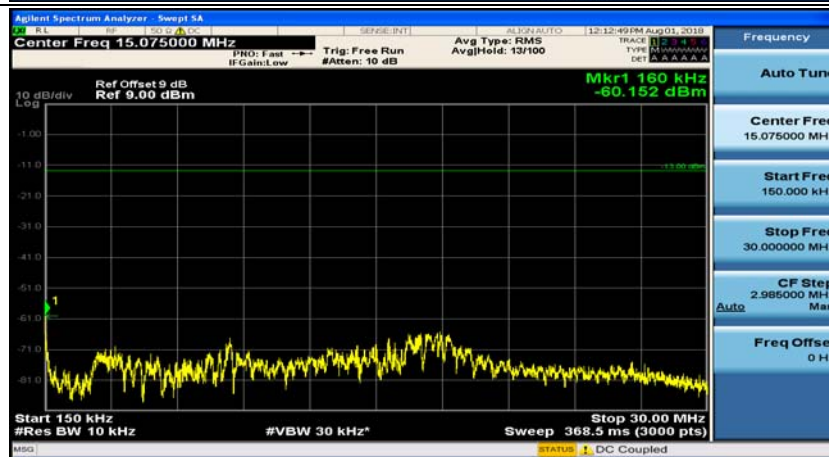
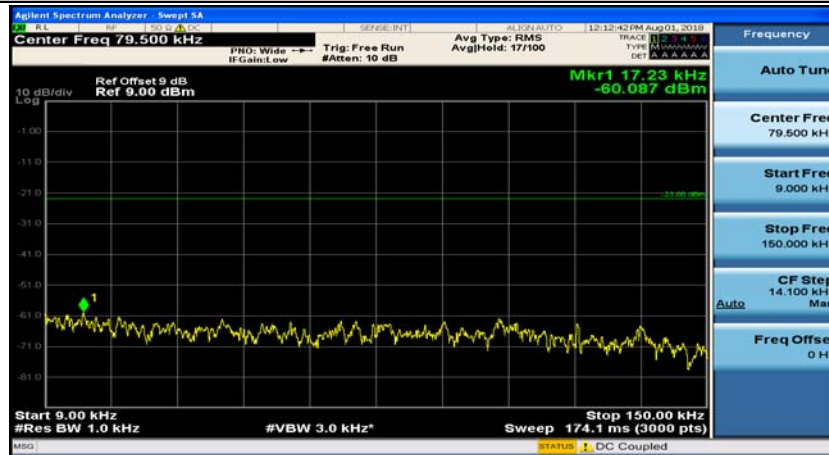


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

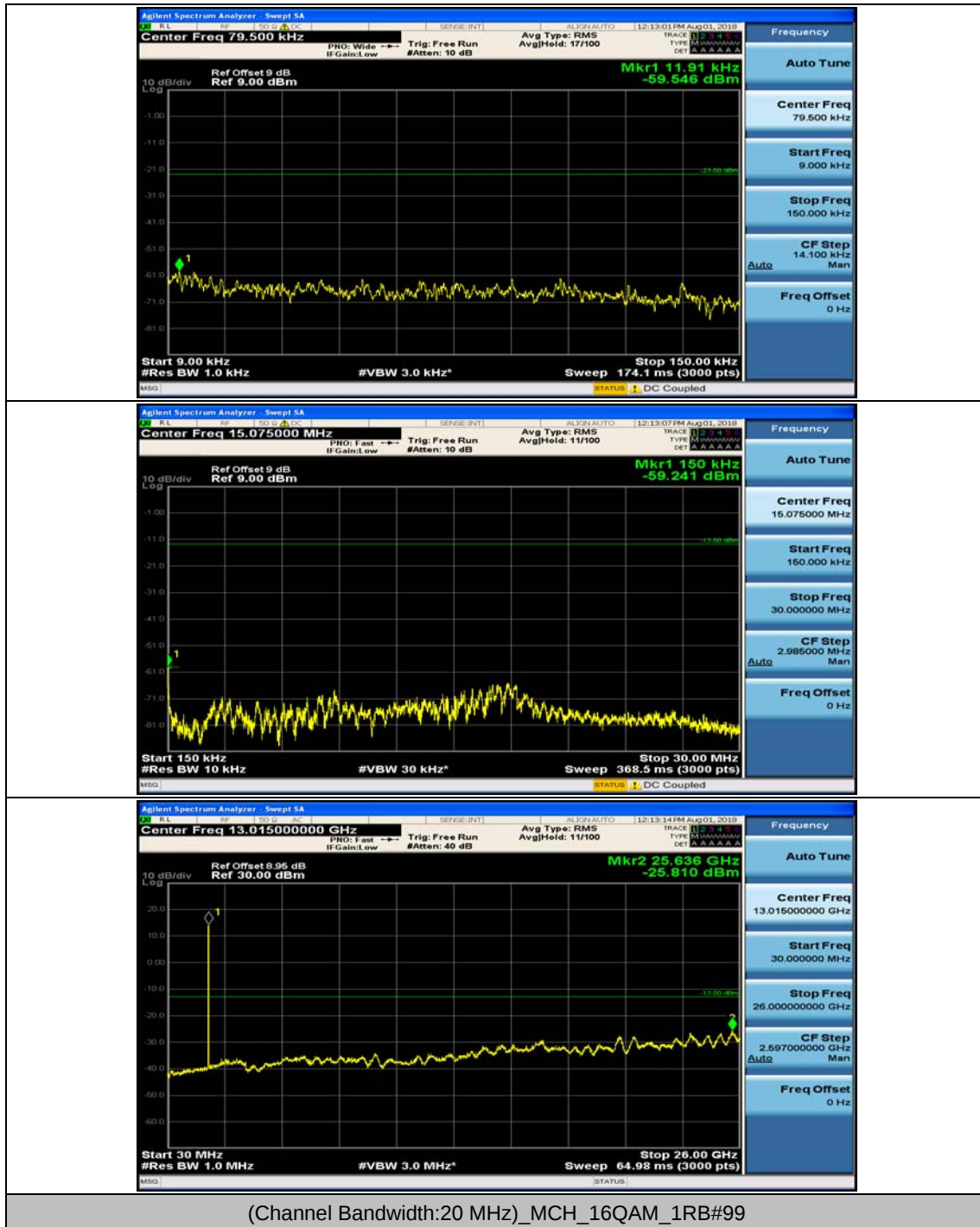


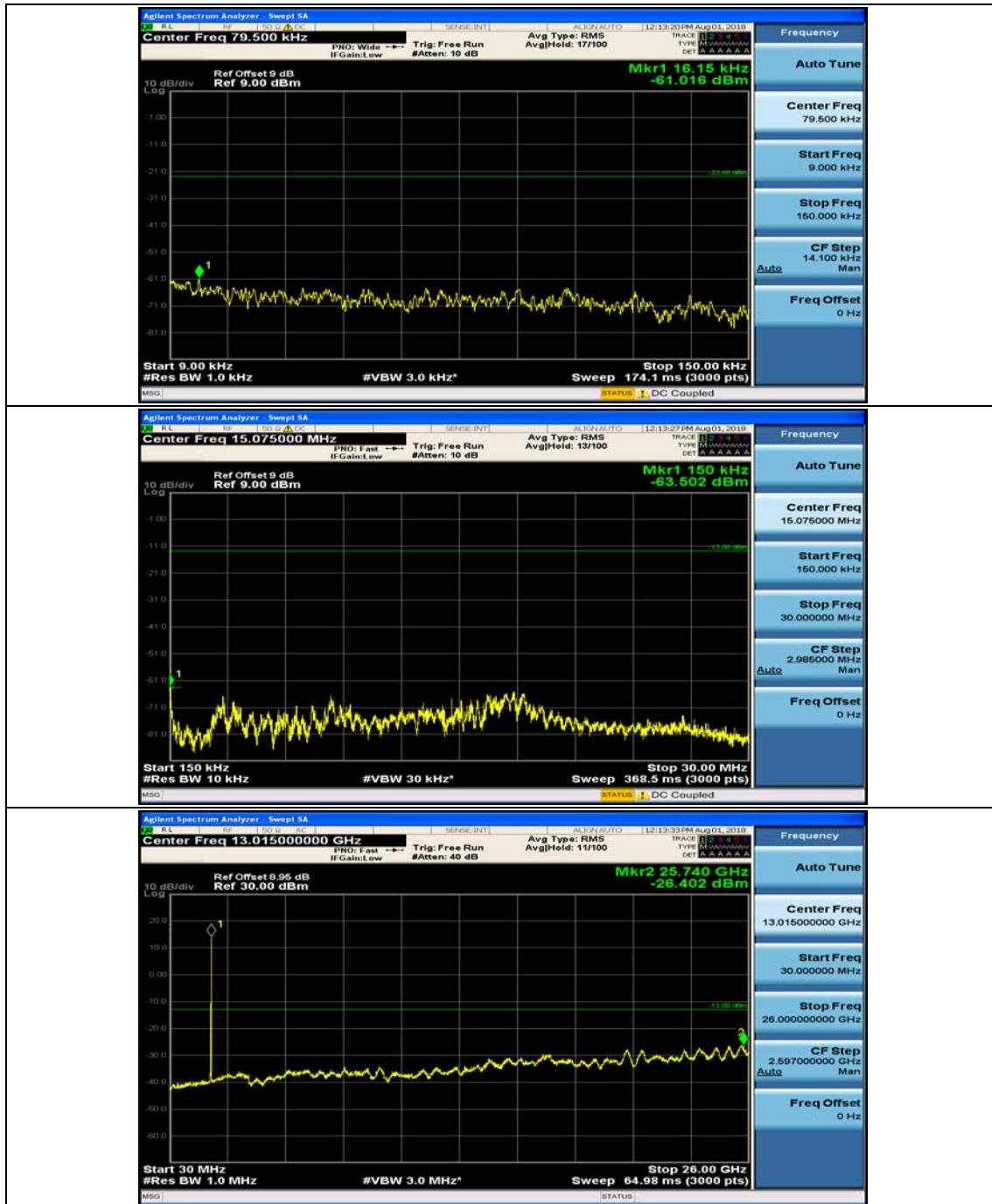


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

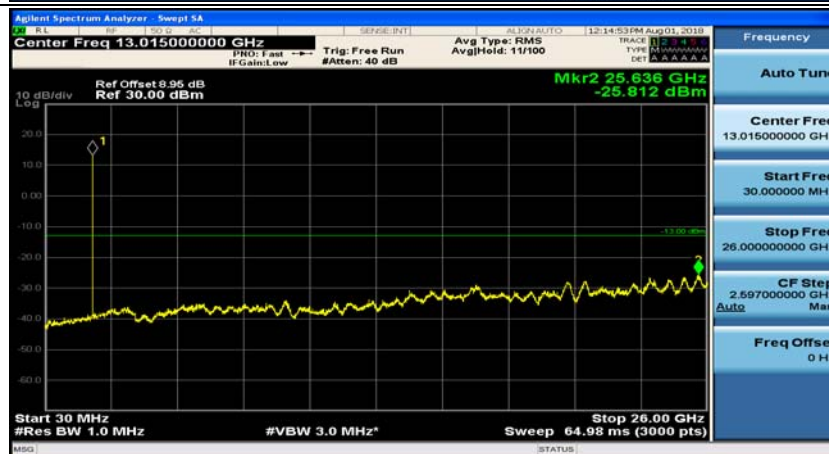
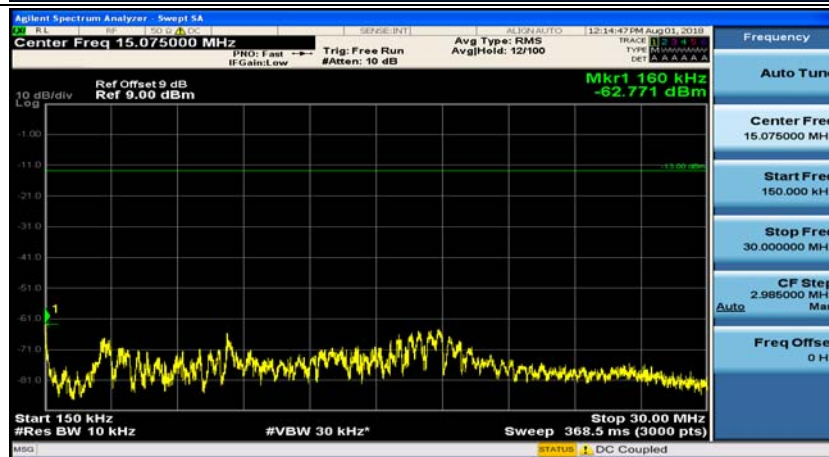
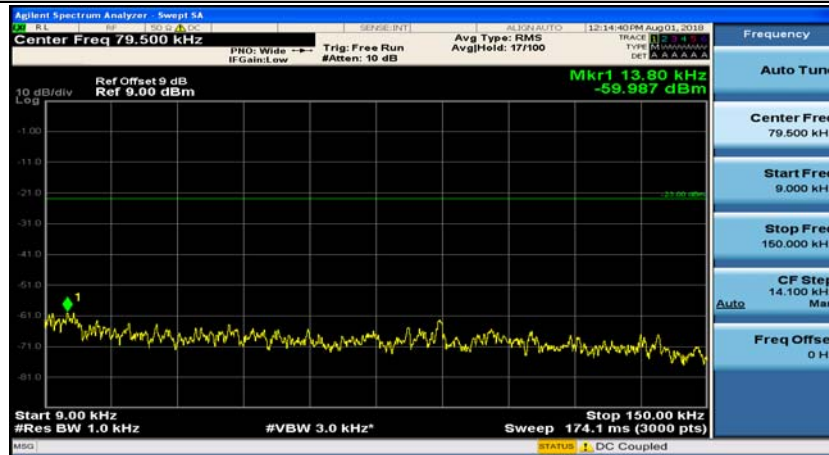


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

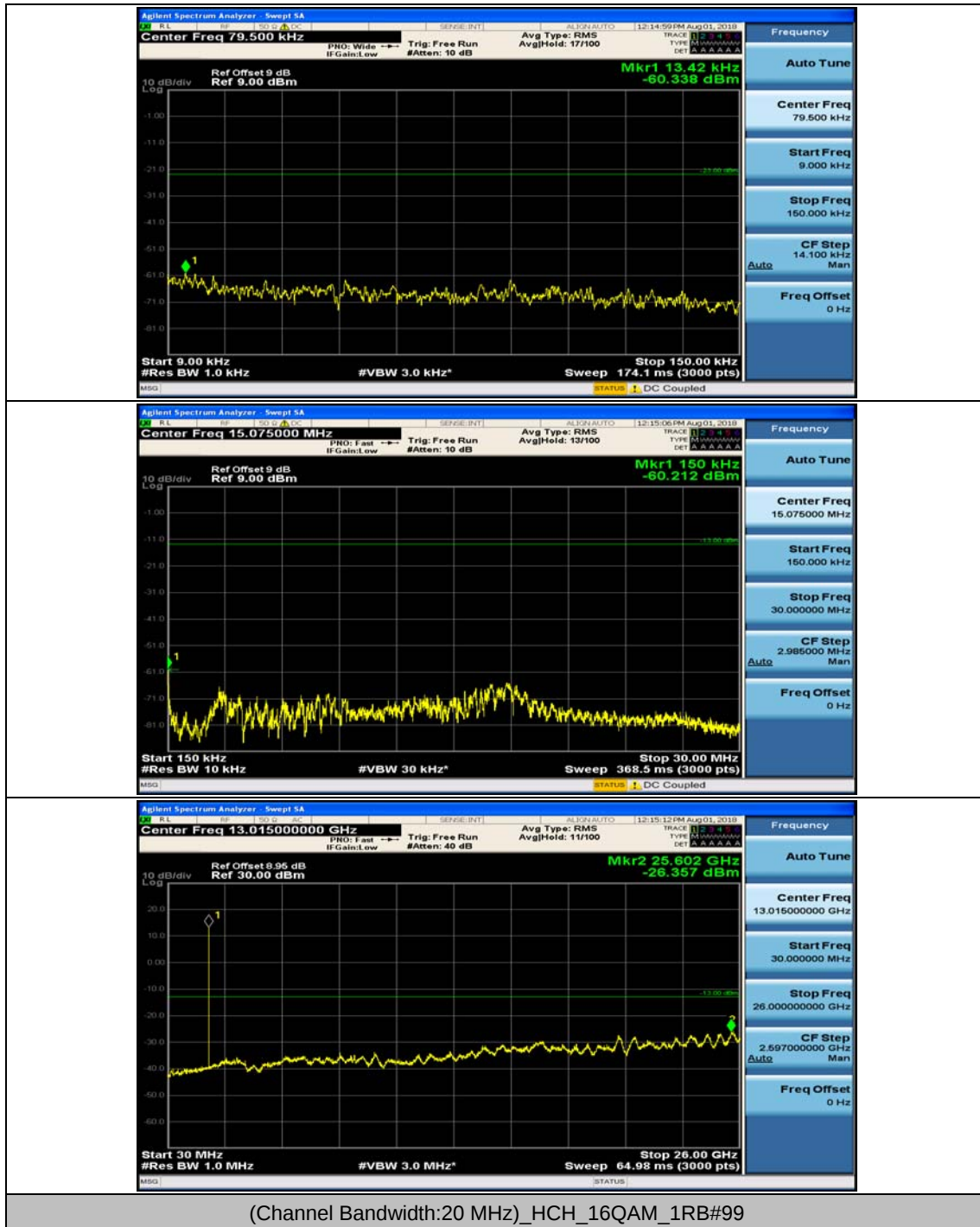


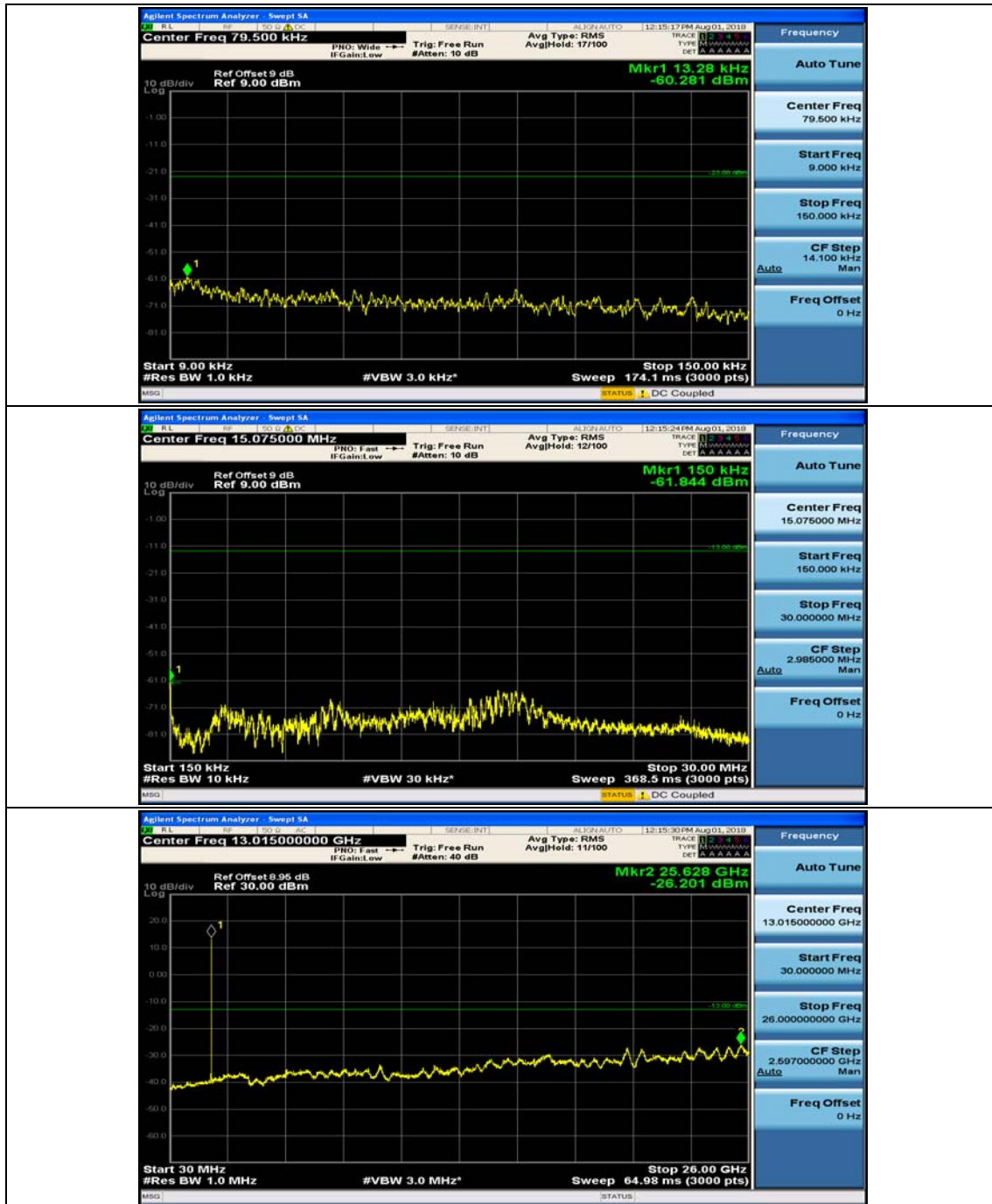


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-1.65	-0.000892	± 2.5	PASS
		VN	TN	4.4	0.002377	± 2.5	PASS
		VH	TN	-0.83	-0.000448	± 2.5	PASS
	MCH	VL	TN	1.79	0.000952	± 2.5	PASS
		VN	TN	-1.4	-0.000745	± 2.5	PASS
		VH	TN	-1.1	-0.000585	± 2.5	PASS
	HCH	VL	TN	3.88	0.002032	± 2.5	PASS
		VN	TN	1.96	0.001027	± 2.5	PASS
		VH	TN	4.69	0.002456	± 2.5	PASS
16QAM	LCH	VL	TN	4.54	0.002453	± 2.5	PASS
		VN	TN	0.96	0.000519	± 2.5	PASS
		VH	TN	2.59	0.001399	± 2.5	PASS
	MCH	VL	TN	-0.11	-0.000059	± 2.5	PASS
		VN	TN	2.22	0.001181	± 2.5	PASS
		VH	TN	1.94	0.001032	± 2.5	PASS
	HCH	VL	TN	1.92	0.001006	± 2.5	PASS
		VN	TN	-0.96	-0.000503	± 2.5	PASS
		VH	TN	2.5	0.001309	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.18	0.000638	± 2.5	PASS
		VN	-20	4.7	0.002540	± 2.5	PASS
		VN	-10	3.16	0.001707	± 2.5	PASS
		VN	0	2.32	0.001254	± 2.5	PASS
		VN	10	4.44	0.002399	± 2.5	PASS
		VN	20	-0.12	-0.000065	± 2.5	PASS
		VN	30	2.11	0.001140	± 2.5	PASS
		VN	40	0.24	0.000130	± 2.5	PASS
		VN	50	2.16	0.001167	± 2.5	PASS
	MCH	VN	-30	-0.93	-0.000495	± 2.5	PASS
		VN	-20	2.02	0.001074	± 2.5	PASS

		VN	-10	-1.19	-0.000633	± 2.5	PASS
		VN	0	0.48	0.000255	± 2.5	PASS
		VN	10	3.44	0.001830	± 2.5	PASS
		VN	20	-0.11	-0.000059	± 2.5	PASS
		VN	30	3.61	0.001920	± 2.5	PASS
		VN	40	0.66	0.000351	± 2.5	PASS
		VN	50	2.17	0.001154	± 2.5	PASS
	HCH	VN	-30	-1.08	-0.000566	± 2.5	PASS
		VN	-20	4.05	0.002121	± 2.5	PASS
		VN	-10	4.87	0.002551	± 2.5	PASS
		VN	0	4.62	0.002420	± 2.5	PASS
		VN	10	0.58	0.000304	± 2.5	PASS
		VN	20	4.48	0.002346	± 2.5	PASS
		VN	30	4.83	0.002530	± 2.5	PASS
		VN	40	-0.19	-0.000100	± 2.5	PASS
		VN	50	-0.07	-0.000037	± 2.5	PASS
16QAM	LCH	VN	-30	0.06	0.000032	± 2.5	PASS
		VN	-20	3.87	0.002091	± 2.5	PASS
		VN	-10	-1.41	-0.000762	± 2.5	PASS
		VN	0	4.83	0.002610	± 2.5	PASS
		VN	10	-0.57	-0.000308	± 2.5	PASS
		VN	20	1.87	0.001010	± 2.5	PASS
		VN	30	0.93	0.000503	± 2.5	PASS
		VN	40	2	0.001081	± 2.5	PASS
		VN	50	1.35	0.000729	± 2.5	PASS
	MCH	VN	-30	-0.97	-0.000516	± 2.5	PASS
		VN	-20	-1.54	-0.000819	± 2.5	PASS
		VN	-10	4.74	0.002521	± 2.5	PASS
		VN	0	-1.66	-0.000883	± 2.5	PASS
		VN	10	0.59	0.000314	± 2.5	PASS
		VN	20	-0.88	-0.000468	± 2.5	PASS
		VN	30	3.5	0.001862	± 2.5	PASS
		VN	40	2.54	0.001351	± 2.5	PASS
		VN	50	-1.74	-0.000926	± 2.5	PASS
	HCH	VN	-30	3.13	0.001639	± 2.5	PASS
		VN	-20	1.44	0.000754	± 2.5	PASS
		VN	-10	2.79	0.001461	± 2.5	PASS
		VN	0	1.77	0.000927	± 2.5	PASS
		VN	10	-0.75	-0.000393	± 2.5	PASS
		VN	20	2.04	0.001068	± 2.5	PASS
		VN	30	3.14	0.001645	± 2.5	PASS

		VN	40	1.87	0.000979	± 2.5	PASS
		VN	50	-1.15	-0.000602	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.34	-0.000724	± 2.5	PASS
		VN	TN	-1.27	-0.000686	± 2.5	PASS
		VH	TN	1.31	0.000708	± 2.5	PASS
	MCH	VL	TN	3.79	0.002016	± 2.5	PASS
		VN	TN	2.53	0.001346	± 2.5	PASS
		VH	TN	-1.35	-0.000718	± 2.5	PASS
	HCH	VL	TN	2.99	0.001567	± 2.5	PASS
		VN	TN	1.31	0.000686	± 2.5	PASS
		VH	TN	0.79	0.000414	± 2.5	PASS
16QAM	LCH	VL	TN	3.69	0.001993	± 2.5	PASS
		VN	TN	3.94	0.002128	± 2.5	PASS
		VH	TN	-0.22	-0.000119	± 2.5	PASS
	MCH	VL	TN	4.17	0.002218	± 2.5	PASS
		VN	TN	0.48	0.000255	± 2.5	PASS
		VH	TN	2.43	0.001293	± 2.5	PASS
	HCH	VL	TN	0.75	0.000393	± 2.5	PASS
		VN	TN	-0.29	-0.000152	± 2.5	PASS
		VH	TN	-0.61	-0.000320	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.21	0.001734	± 2.5	PASS
		VN	-20	-1.52	-0.000821	± 2.5	PASS
		VN	-10	-0.83	-0.000448	± 2.5	PASS
		VN	0	-1.57	-0.000848	± 2.5	PASS
		VN	10	2.35	0.001269	± 2.5	PASS
		VN	20	0.63	0.000340	± 2.5	PASS
		VN	30	3.78	0.002042	± 2.5	PASS
		VN	40	-1.45	-0.000783	± 2.5	PASS
		VN	50	3.43	0.001853	± 2.5	PASS
	MCH	VN	-30	2.04	0.001085	± 2.5	PASS
		VN	-20	-0.69	-0.000367	± 2.5	PASS
		VN	-10	0.15	0.000080	± 2.5	PASS

		VN	0	0.24	0.000128	± 2.5	PASS
		VN	10	-0.25	-0.000133	± 2.5	PASS
		VN	20	1.54	0.000819	± 2.5	PASS
		VN	30	3.75	0.001995	± 2.5	PASS
		VN	40	0.3	0.000160	± 2.5	PASS
		VN	50	-0.09	-0.000048	± 2.5	PASS
	HCH	VN	-30	0.69	0.000362	± 2.5	PASS
		VN	-20	1.99	0.001043	± 2.5	PASS
		VN	-10	-0.89	-0.000466	± 2.5	PASS
		VN	0	4.2	0.002201	± 2.5	PASS
		VN	10	-0.44	-0.000231	± 2.5	PASS
		VN	20	1.89	0.000990	± 2.5	PASS
		VN	30	0.76	0.000398	± 2.5	PASS
		VN	40	1.86	0.000975	± 2.5	PASS
		VN	50	2.14	0.001121	± 2.5	PASS
16QAM	LCH	VN	-30	3.75	0.002025	± 2.5	PASS
		VN	-20	3.89	0.002101	± 2.5	PASS
		VN	-10	4.08	0.002204	± 2.5	PASS
		VN	0	-0.12	-0.000065	± 2.5	PASS
		VN	10	4.57	0.002468	± 2.5	PASS
		VN	20	1.85	0.000999	± 2.5	PASS
		VN	30	-1.11	-0.000600	± 2.5	PASS
		VN	40	3.82	0.002063	± 2.5	PASS
		VN	50	1.47	0.000794	± 2.5	PASS
	MCH	VN	-30	3.05	0.001622	± 2.5	PASS
		VN	-20	2.32	0.001234	± 2.5	PASS
		VN	-10	0.44	0.000234	± 2.5	PASS
		VN	0	0.85	0.000452	± 2.5	PASS
		VN	10	4.78	0.002543	± 2.5	PASS
		VN	20	3.34	0.001777	± 2.5	PASS
		VN	30	-0.54	-0.000287	± 2.5	PASS
		VN	40	-1.26	-0.000670	± 2.5	PASS
		VN	50	-1.3	-0.000691	± 2.5	PASS
	HCH	VN	-30	2.07	0.001085	± 2.5	PASS
		VN	-20	3.24	0.001698	± 2.5	PASS
		VN	-10	1.64	0.000859	± 2.5	PASS
		VN	0	-0.99	-0.000519	± 2.5	PASS
		VN	10	4.81	0.002520	± 2.5	PASS
		VN	20	4.83	0.002531	± 2.5	PASS
		VN	30	-0.38	-0.000199	± 2.5	PASS
		VN	40	2.82	0.001478	± 2.5	PASS

		VN	50	-1.45	-0.000760	± 2.5	PASS
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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	-0.41	-0.000221	± 2.5	PASS
		VN	TN	1.28	0.000691	± 2.5	PASS
		VH	TN	2.64	0.001425	± 2.5	PASS
	MCH	VL	TN	-1.59	-0.000846	± 2.5	PASS
		VN	TN	4.19	0.002229	± 2.5	PASS
		VH	TN	4.72	0.002511	± 2.5	PASS
	HCH	VL	TN	3.52	0.001845	± 2.5	PASS
		VN	TN	-1.2	-0.000629	± 2.5	PASS
		VH	TN	0.66	0.000346	± 2.5	PASS
16QAM	LCH	VL	TN	-0.97	-0.000524	± 2.5	PASS
		VN	TN	3.53	0.001906	± 2.5	PASS
		VH	TN	1.92	0.001036	± 2.5	PASS
	MCH	VL	TN	4.59	0.002441	± 2.5	PASS
		VN	TN	-0.7	-0.000372	± 2.5	PASS
		VH	TN	0.15	0.000080	± 2.5	PASS
	HCH	VL	TN	2.73	0.001431	± 2.5	PASS
		VN	TN	3.31	0.001735	± 2.5	PASS
		VH	TN	-0.84	-0.000440	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.08	0.001663	± 2.5	PASS
		VN	-20	-0.65	-0.000351	± 2.5	PASS
		VN	-10	-1.06	-0.000572	± 2.5	PASS
		VN	0	3.07	0.001657	± 2.5	PASS
		VN	10	-1.49	-0.000804	± 2.5	PASS
		VN	20	3.17	0.001711	± 2.5	PASS
		VN	30	2.27	0.001225	± 2.5	PASS
		VN	40	-0.64	-0.000345	± 2.5	PASS
		VN	50	-0.8	-0.000432	± 2.5	PASS
	MCH	VN	-30	0.32	0.000170	± 2.5	PASS
		VN	-20	0.25	0.000133	± 2.5	PASS
		VN	-10	2.39	0.001271	± 2.5	PASS
		VN	0	0.82	0.000436	± 2.5	PASS

		VN	10	4.17	0.002218	± 2.5	PASS
		VN	20	2.94	0.001564	± 2.5	PASS
		VN	30	0.23	0.000122	± 2.5	PASS
		VN	40	0.26	0.000138	± 2.5	PASS
		VN	50	2.53	0.001346	± 2.5	PASS
	HCH	VN	-30	2.94	0.001541	± 2.5	PASS
		VN	-20	2.86	0.001499	± 2.5	PASS
		VN	-10	-0.07	-0.000037	± 2.5	PASS
		VN	0	3.95	0.002071	± 2.5	PASS
		VN	10	2.5	0.001311	± 2.5	PASS
		VN	20	-1.31	-0.000687	± 2.5	PASS
		VN	30	1.7	0.000891	± 2.5	PASS
		VN	40	1.22	0.000640	± 2.5	PASS
		VN	50	3.72	0.001950	± 2.5	PASS
		VN	-30	4.11	0.002219	± 2.5	PASS
16QAM	LCH	VN	-20	-0.03	-0.000016	± 2.5	PASS
		VN	-10	0.99	0.000534	± 2.5	PASS
		VN	0	2.45	0.001323	± 2.5	PASS
		VN	10	0.16	0.000086	± 2.5	PASS
		VN	20	0.33	0.000178	± 2.5	PASS
		VN	30	1.63	0.000880	± 2.5	PASS
		VN	40	-0.82	-0.000443	± 2.5	PASS
		VN	50	0.67	0.000362	± 2.5	PASS
	MCH	VN	-30	2.26	0.001202	± 2.5	PASS
		VN	-20	0.81	0.000431	± 2.5	PASS
		VN	-10	3.42	0.001819	± 2.5	PASS
		VN	0	-0.69	-0.000367	± 2.5	PASS
		VN	10	0.76	0.000404	± 2.5	PASS
		VN	20	4.08	0.002170	± 2.5	PASS
		VN	30	2.55	0.001356	± 2.5	PASS
		VN	40	3.56	0.001894	± 2.5	PASS
		VN	50	3.38	0.001798	± 2.5	PASS
	HCH	VN	-30	4.86	0.002548	± 2.5	PASS
		VN	-20	3	0.001573	± 2.5	PASS
		VN	-10	4.29	0.002249	± 2.5	PASS
		VN	0	-0.36	-0.000189	± 2.5	PASS
		VN	10	3.63	0.001903	± 2.5	PASS
		VN	20	4.18	0.002191	± 2.5	PASS
		VN	30	0.33	0.000173	± 2.5	PASS
		VN	40	-0.13	-0.000068	± 2.5	PASS
		VN	50	4.14	0.002170	± 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	0.89	0.000480	± 2.5	PASS
		VN	TN	4.31	0.002323	± 2.5	PASS
		VH	TN	-0.29	-0.000156	± 2.5	PASS
	MCH	VL	TN	2.74	0.001457	± 2.5	PASS
		VN	TN	-1.65	-0.000878	± 2.5	PASS
		VH	TN	2.43	0.001293	± 2.5	PASS
	HCH	VL	TN	0.39	0.000205	± 2.5	PASS
		VN	TN	4.34	0.002278	± 2.5	PASS
		VH	TN	2.3	0.001207	± 2.5	PASS
16QAM	LCH	VL	TN	4.31	0.002323	± 2.5	PASS
		VN	TN	3.08	0.001660	± 2.5	PASS
		VH	TN	0.3	0.000162	± 2.5	PASS
	MCH	VL	TN	3.66	0.001947	± 2.5	PASS
		VN	TN	2.41	0.001282	± 2.5	PASS
		VH	TN	-1.15	-0.000612	± 2.5	PASS
	HCH	VL	TN	1.65	0.000866	± 2.5	PASS
		VN	TN	-0.65	-0.000341	± 2.5	PASS
		VH	TN	2.7	0.001417	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-1.98	-0.001067	± 2.5	PASS
		VN	-20	-0.09	-0.000049	± 2.5	PASS
		VN	-10	2.7	0.001456	± 2.5	PASS
		VN	0	0.49	0.000264	± 2.5	PASS
		VN	10	4.04	0.002178	± 2.5	PASS
		VN	20	2.32	0.001251	± 2.5	PASS
		VN	30	1.21	0.000652	± 2.5	PASS
		VN	40	0.94	0.000507	± 2.5	PASS
		VN	50	1.4	0.000755	± 2.5	PASS
	MCH	VN	-30	-1.69	-0.000899	± 2.5	PASS
		VN	-20	1.68	0.000894	± 2.5	PASS
		VN	-10	-0.14	-0.000074	± 2.5	PASS
		VN	0	-1.67	-0.000888	± 2.5	PASS
		VN	10	-1.42	-0.000755	± 2.5	PASS
		VN	20	2.61	0.001388	± 2.5	PASS

		VN	30	4.84	0.002574	± 2.5	PASS
		VN	40	0.72	0.000383	± 2.5	PASS
		VN	50	0.01	0.000005	± 2.5	PASS
	HCH	VN	-30	2.65	0.001391	± 2.5	PASS
		VN	-20	4.4	0.002310	± 2.5	PASS
		VN	-10	3.83	0.002010	± 2.5	PASS
		VN	0	2.26	0.001186	± 2.5	PASS
		VN	10	4.57	0.002399	± 2.5	PASS
		VN	20	3.37	0.001769	± 2.5	PASS
		VN	30	1.5	0.000787	± 2.5	PASS
		VN	40	3.38	0.001774	± 2.5	PASS
		VN	50	4.74	0.002488	± 2.5	PASS
QPSK	LCH	VN	-30	1.59	0.000857	± 2.5	PASS
		VN	-20	-0.68	-0.000367	± 2.5	PASS
		VN	-10	1.11	0.000598	± 2.5	PASS
		VN	0	1.81	0.000976	± 2.5	PASS
		VN	10	4.05	0.002183	± 2.5	PASS
		VN	20	1.64	0.000884	± 2.5	PASS
		VN	30	-1.27	-0.000685	± 2.5	PASS
		VN	40	-1.95	-0.001051	± 2.5	PASS
		VN	50	4.37	0.002356	± 2.5	PASS
	MCH	VN	-30	2.01	0.001069	± 2.5	PASS
		VN	-20	0.38	0.000202	± 2.5	PASS
		VN	-10	3.01	0.001601	± 2.5	PASS
		VN	0	1.27	0.000676	± 2.5	PASS
		VN	10	1.87	0.000995	± 2.5	PASS
		VN	20	-0.55	-0.000293	± 2.5	PASS
		VN	30	4.37	0.002324	± 2.5	PASS
		VN	40	-1.03	-0.000548	± 2.5	PASS
		VN	50	0.54	0.000287	± 2.5	PASS
	HCH	VN	-30	-0.59	-0.000310	± 2.5	PASS
		VN	-20	-1.39	-0.000730	± 2.5	PASS
		VN	-10	1.1	0.000577	± 2.5	PASS
		VN	0	3.76	0.001974	± 2.5	PASS
		VN	10	1.57	0.000824	± 2.5	PASS
		VN	20	4.67	0.002451	± 2.5	PASS
		VN	30	-0.72	-0.000378	± 2.5	PASS
		VN	40	0.93	0.000488	± 2.5	PASS
		VN	50	3.58	0.001879	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.21	0.001728	± 2.5	PASS
		VN	TN	3.67	0.001976	± 2.5	PASS
		VH	TN	-1.19	-0.000641	± 2.5	PASS
	MCH	VL	TN	-0.46	-0.000245	± 2.5	PASS
		VN	TN	0.55	0.000293	± 2.5	PASS
		VH	TN	4.77	0.002537	± 2.5	PASS
	HCH	VL	TN	-0.02	-0.000011	± 2.5	PASS
		VN	TN	4.99	0.002623	± 2.5	PASS
		VH	TN	3.02	0.001587	± 2.5	PASS
16QAM	LCH	VL	TN	2.02	0.001087	± 2.5	PASS
		VN	TN	0.66	0.000355	± 2.5	PASS
		VH	TN	-0.14	-0.000075	± 2.5	PASS
	MCH	VL	TN	3.1	0.001649	± 2.5	PASS
		VN	TN	-1.01	-0.000537	± 2.5	PASS
		VH	TN	2.93	0.001559	± 2.5	PASS
	HCH	VL	TN	-0.85	-0.000447	± 2.5	PASS
		VN	TN	-1.71	-0.000899	± 2.5	PASS
		VH	TN	-0.38	-0.000200	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.55	0.001373	± 2.5	PASS
		VN	-20	2.73	0.001470	± 2.5	PASS
		VN	-10	2.58	0.001389	± 2.5	PASS
		VN	0	3.43	0.001847	± 2.5	PASS
		VN	10	2.77	0.001491	± 2.5	PASS
		VN	20	0.8	0.000431	± 2.5	PASS
		VN	30	4.56	0.002455	± 2.5	PASS
		VN	40	-1.05	-0.000565	± 2.5	PASS
		VN	50	-0.46	-0.000248	± 2.5	PASS
	MCH	VN	-30	4.4	0.002340	± 2.5	PASS
		VN	-20	-1.76	-0.000936	± 2.5	PASS
		VN	-10	1.82	0.000968	± 2.5	PASS
		VN	0	-0.8	-0.000426	± 2.5	PASS
		VN	10	4.43	0.002356	± 2.5	PASS
		VN	20	1.13	0.000601	± 2.5	PASS

		VN	30	1.57	0.000835	± 2.5	PASS
		VN	40	-0.05	-0.000027	± 2.5	PASS
		VN	50	0.91	0.000484	± 2.5	PASS
	HCH	VN	-30	-0.02	-0.000011	± 2.5	PASS
		VN	-20	0.94	0.000494	± 2.5	PASS
		VN	-10	1.97	0.001035	± 2.5	PASS
		VN	0	2.66	0.001398	± 2.5	PASS
		VN	10	0.31	0.000163	± 2.5	PASS
		VN	20	-1.56	-0.000820	± 2.5	PASS
		VN	30	4.52	0.002376	± 2.5	PASS
		VN	40	-0.03	-0.000016	± 2.5	PASS
		VN	50	0.58	0.000305	± 2.5	PASS
16QAM	LCH	VN	-30	2.26	0.001217	± 2.5	PASS
		VN	-20	2.82	0.001518	± 2.5	PASS
		VN	-10	-0.61	-0.000328	± 2.5	PASS
		VN	0	0.5	0.000269	± 2.5	PASS
		VN	10	-0.86	-0.000463	± 2.5	PASS
		VN	20	0.39	0.000210	± 2.5	PASS
		VN	30	3.03	0.001631	± 2.5	PASS
		VN	40	1.44	0.000775	± 2.5	PASS
		VN	50	0.31	0.000167	± 2.5	PASS
	MCH	VN	-30	-0.54	-0.000287	± 2.5	PASS
		VN	-20	3.35	0.001782	± 2.5	PASS
		VN	-10	0.82	0.000436	± 2.5	PASS
		VN	0	1.62	0.000862	± 2.5	PASS
		VN	10	0.51	0.000271	± 2.5	PASS
		VN	20	2.32	0.001234	± 2.5	PASS
		VN	30	2.34	0.001245	± 2.5	PASS
		VN	40	3.64	0.001936	± 2.5	PASS
		VN	50	4.26	0.002266	± 2.5	PASS
	HCH	VN	-30	-0.88	-0.000463	± 2.5	PASS
		VN	-20	-1.65	-0.000867	± 2.5	PASS
		VN	-10	4.26	0.002239	± 2.5	PASS
		VN	0	4	0.002102	± 2.5	PASS
		VN	10	0.71	0.000373	± 2.5	PASS
		VN	20	0.3	0.000158	± 2.5	PASS
		VN	30	4.21	0.002213	± 2.5	PASS
		VN	40	3.98	0.002092	± 2.5	PASS
		VN	50	3.69	0.001940	± 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	4.35	0.002339	± 2.5	PASS
		VN	TN	2.78	0.001495	± 2.5	PASS
		VH	TN	-0.91	-0.000489	± 2.5	PASS
	MCH	VL	TN	3.87	0.002059	± 2.5	PASS
		VN	TN	4.27	0.002271	± 2.5	PASS
		VH	TN	1.56	0.000830	± 2.5	PASS
	HCH	VL	TN	0.14	0.000074	± 2.5	PASS
		VN	TN	3.51	0.001847	± 2.5	PASS
		VH	TN	0.39	0.000205	± 2.5	PASS
16QAM	LCH	VL	TN	4.97	0.002672	± 2.5	PASS
		VN	TN	1.34	0.000720	± 2.5	PASS
		VH	TN	3.38	0.001817	± 2.5	PASS
	MCH	VL	TN	2	0.001064	± 2.5	PASS
		VN	TN	3.43	0.001824	± 2.5	PASS
		VH	TN	2.89	0.001537	± 2.5	PASS
	HCH	VL	TN	1.93	0.001016	± 2.5	PASS
		VN	TN	-1.51	-0.000795	± 2.5	PASS
		VH	TN	-1.25	-0.000658	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.87	0.001543	± 2.5	PASS
		VN	-20	-0.3	-0.000161	± 2.5	PASS
		VN	-10	-1.75	-0.000941	± 2.5	PASS
		VN	0	2.11	0.001134	± 2.5	PASS
		VN	10	3.26	0.001753	± 2.5	PASS
		VN	20	-0.12	-0.000065	± 2.5	PASS
		VN	30	0.52	0.000280	± 2.5	PASS
		VN	40	2.31	0.001242	± 2.5	PASS
		VN	50	0.18	0.000097	± 2.5	PASS
	MCH	VN	-30	-1.09	-0.000580	± 2.5	PASS
		VN	-20	-1.27	-0.000676	± 2.5	PASS
		VN	-10	0.08	0.000043	± 2.5	PASS
		VN	0	-0.22	-0.000117	± 2.5	PASS
		VN	10	-0.2	-0.000106	± 2.5	PASS
		VN	20	0.67	0.000356	± 2.5	PASS

		VN	30	4.78	0.002543	± 2.5	PASS
		VN	40	2.42	0.001287	± 2.5	PASS
		VN	50	2.8	0.001489	± 2.5	PASS
	HCH	VN	-30	2.61	0.001374	± 2.5	PASS
		VN	-20	4.61	0.002426	± 2.5	PASS
		VN	-10	4.06	0.002137	± 2.5	PASS
		VN	0	1.98	0.001042	± 2.5	PASS
		VN	10	0.58	0.000305	± 2.5	PASS
		VN	20	2.66	0.001400	± 2.5	PASS
		VN	30	1.05	0.000553	± 2.5	PASS
		VN	40	0.49	0.000258	± 2.5	PASS
		VN	50	2.34	0.001232	± 2.5	PASS
16QAM	LCH	VN	-30	2.26	0.001215	± 2.5	PASS
		VN	-20	2.45	0.001317	± 2.5	PASS
		VN	-10	1.83	0.000984	± 2.5	PASS
		VN	0	1.39	0.000747	± 2.5	PASS
		VN	10	-1.51	-0.000812	± 2.5	PASS
		VN	20	0.29	0.000156	± 2.5	PASS
		VN	30	2.08	0.001118	± 2.5	PASS
		VN	40	-1.44	-0.000774	± 2.5	PASS
		VN	50	4.16	0.002237	± 2.5	PASS
	MCH	VN	-30	2.64	0.001404	± 2.5	PASS
		VN	-20	3.69	0.001963	± 2.5	PASS
		VN	-10	3.37	0.001793	± 2.5	PASS
		VN	0	1.81	0.000963	± 2.5	PASS
		VN	10	0	0.000000	± 2.5	PASS
		VN	20	0.79	0.000420	± 2.5	PASS
		VN	30	2.6	0.001383	± 2.5	PASS
		VN	40	3.78	0.002011	± 2.5	PASS
		VN	50	2.37	0.001261	± 2.5	PASS
	HCH	VN	-30	2.49	0.001311	± 2.5	PASS
		VN	-20	0.24	0.000126	± 2.5	PASS
		VN	-10	3.22	0.001695	± 2.5	PASS
		VN	0	1.42	0.000747	± 2.5	PASS
		VN	10	-0.46	-0.000242	± 2.5	PASS
		VN	20	4.5	0.002368	± 2.5	PASS
		VN	30	1.23	0.000647	± 2.5	PASS
		VN	40	0.06	0.000032	± 2.5	PASS
		VN	50	4.57	0.002405	± 2.5	PASS