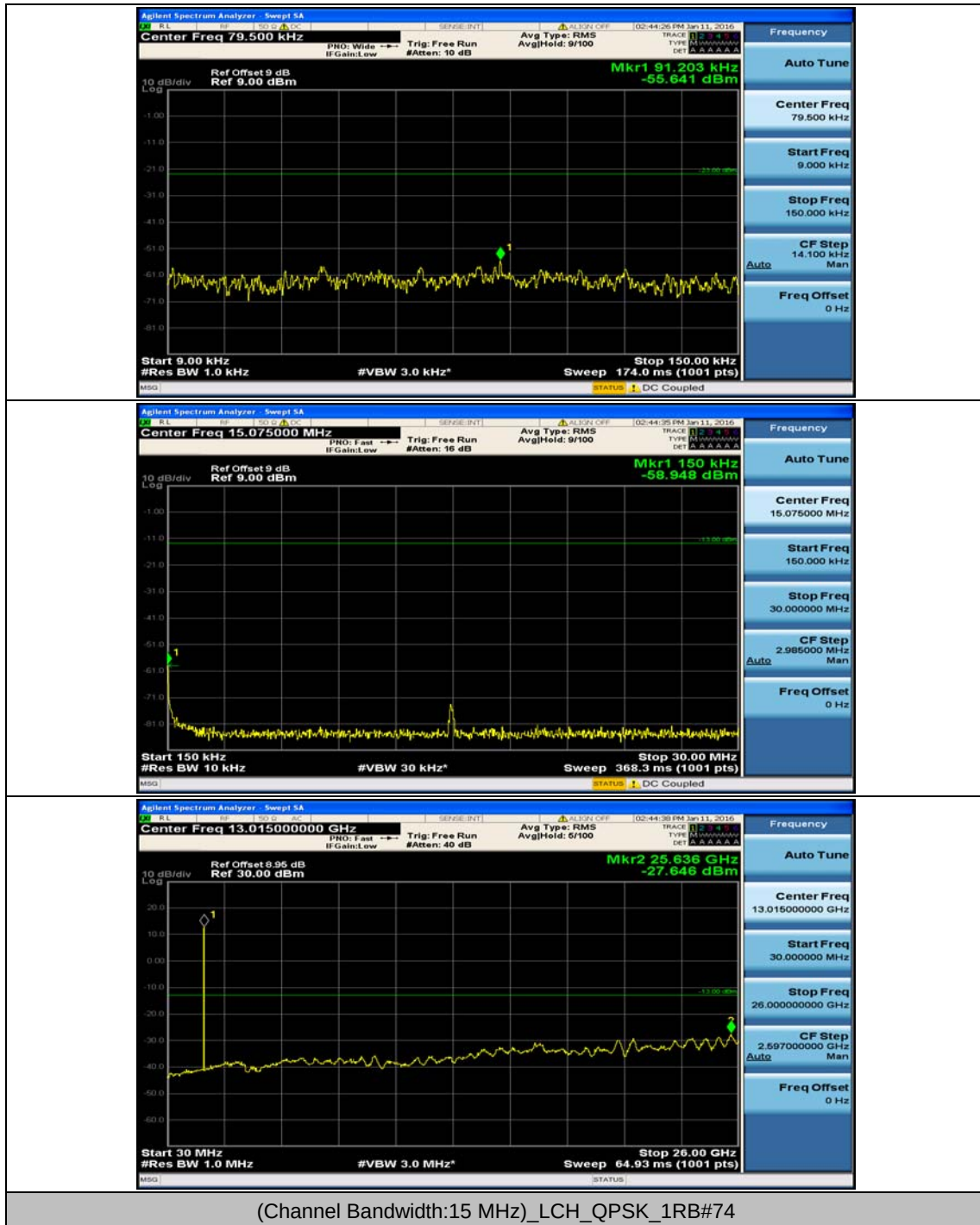
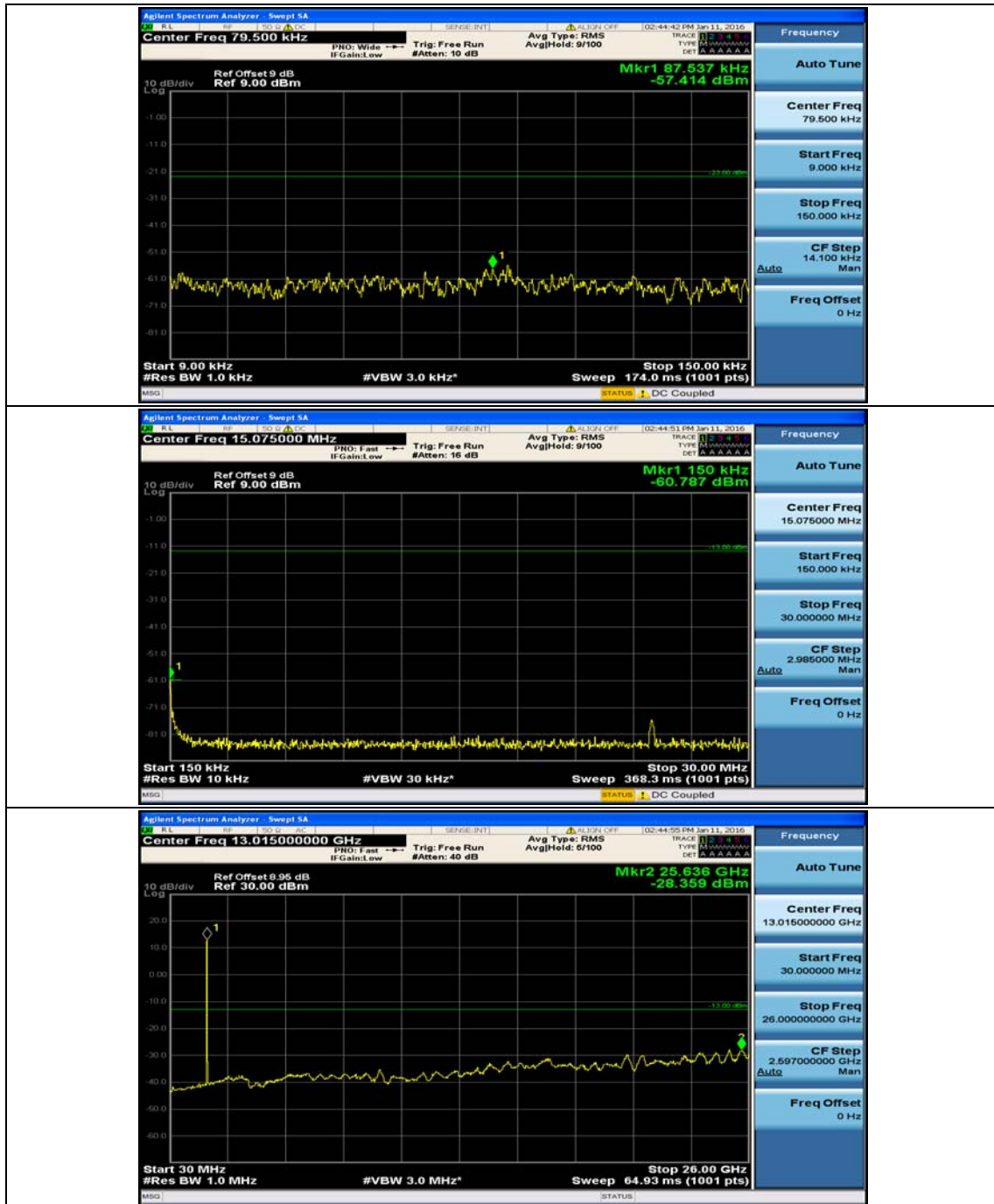
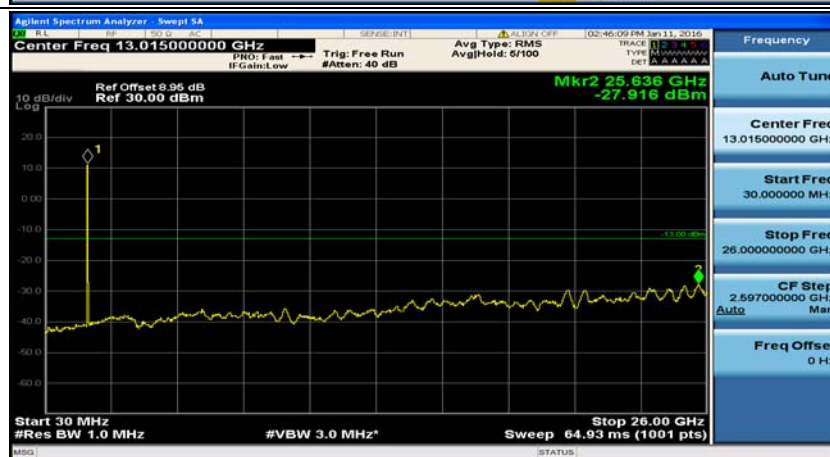
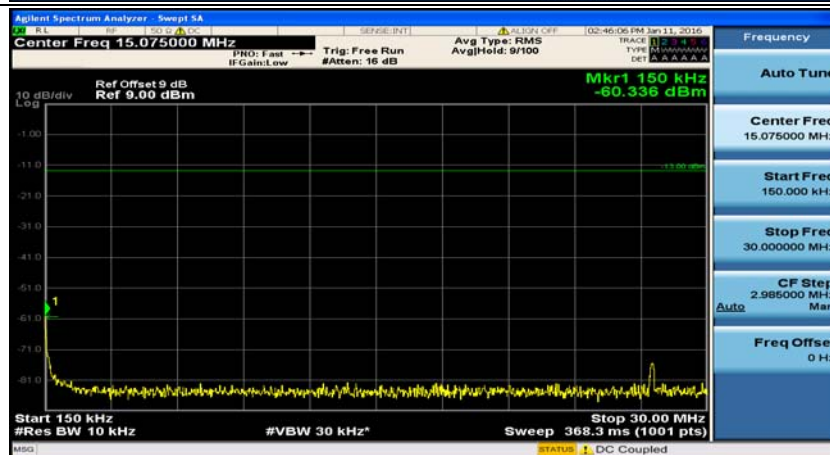
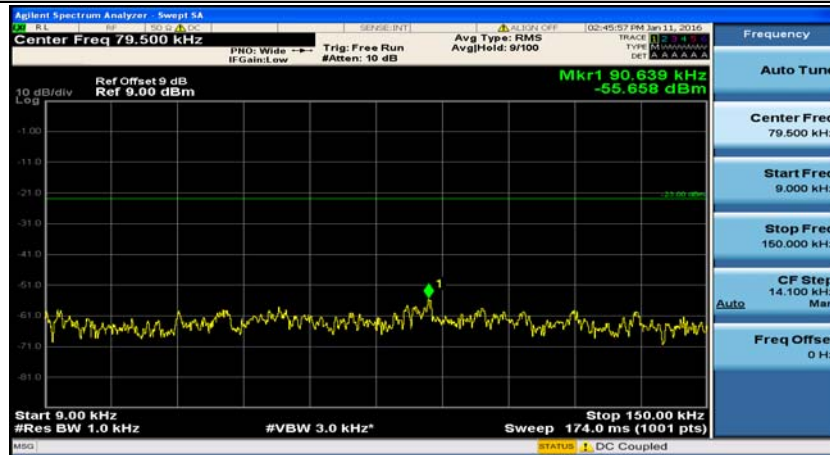


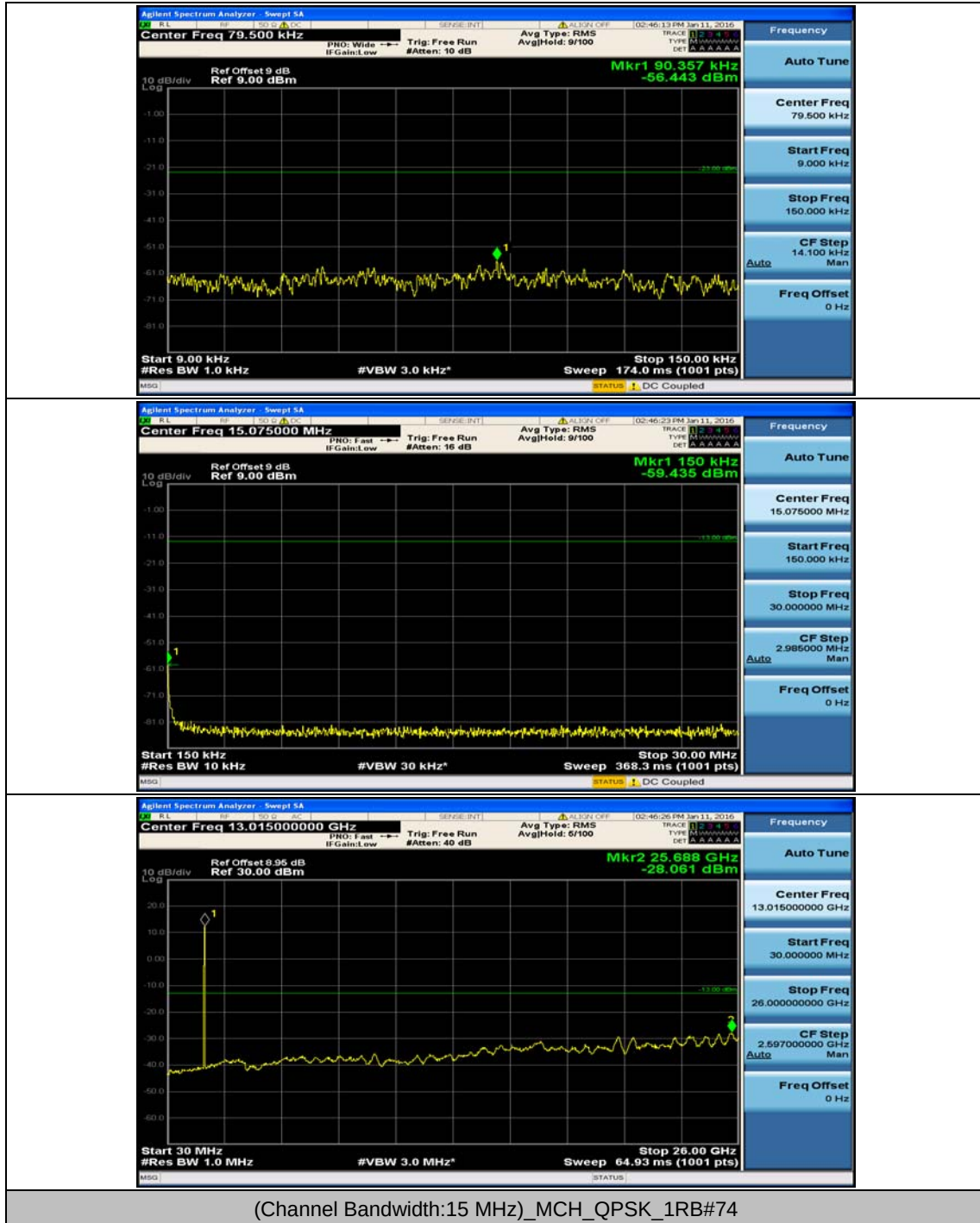


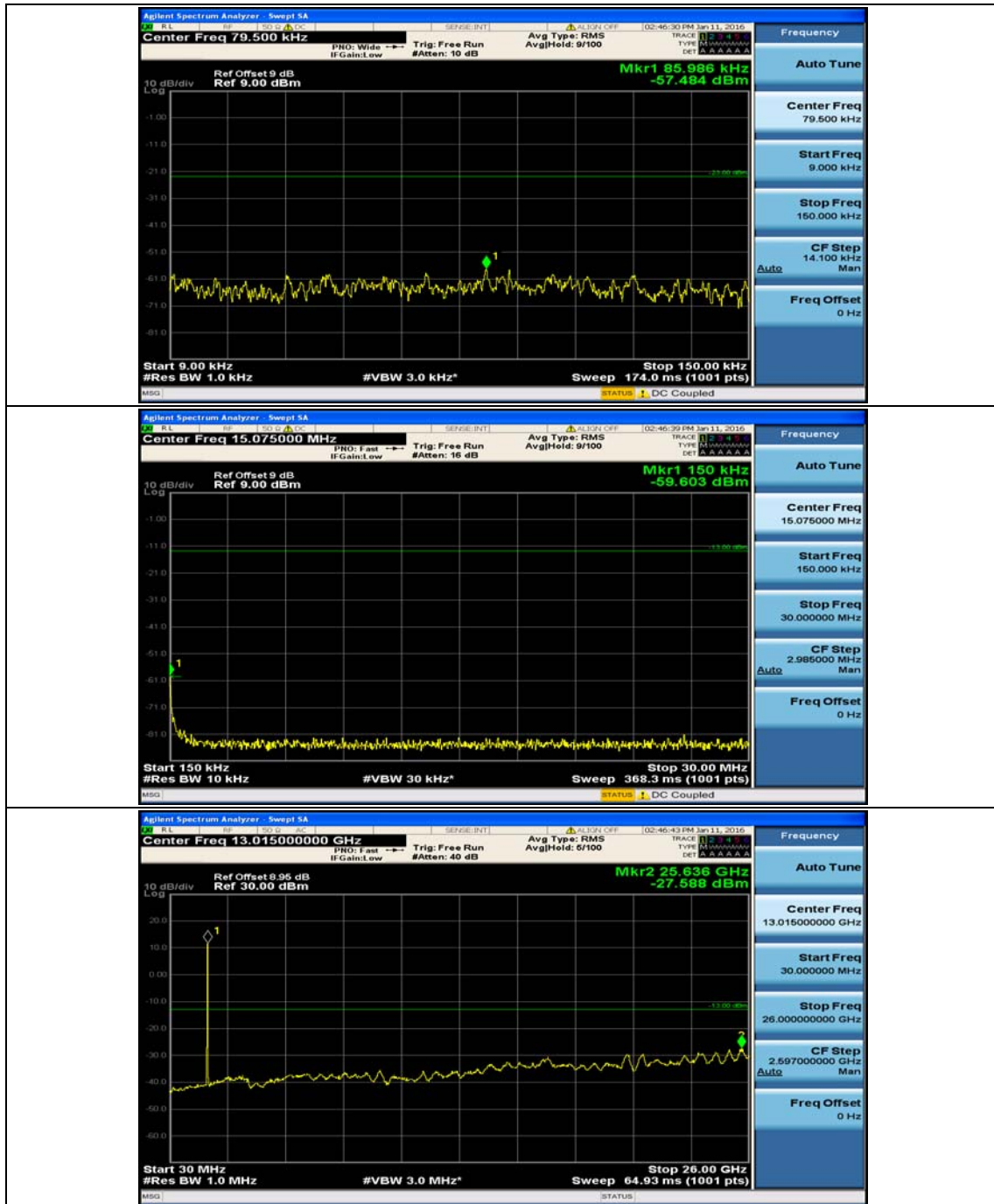


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

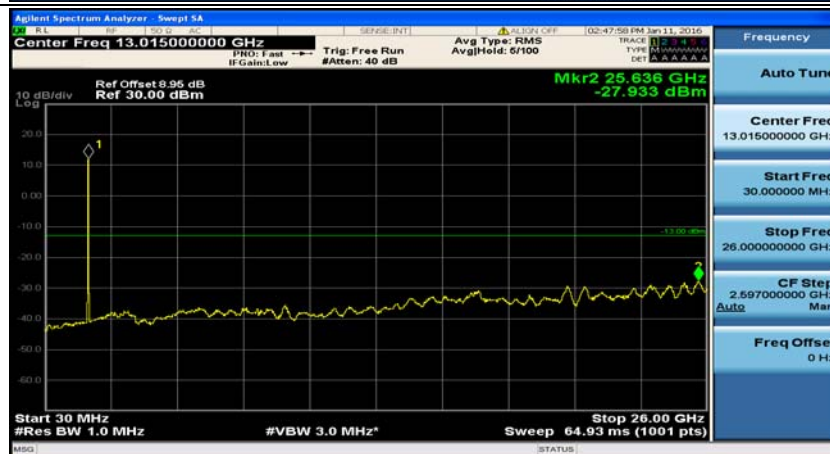
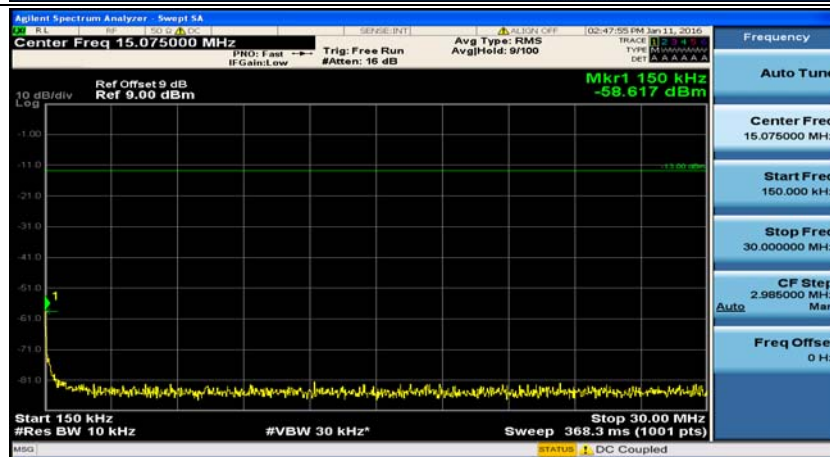
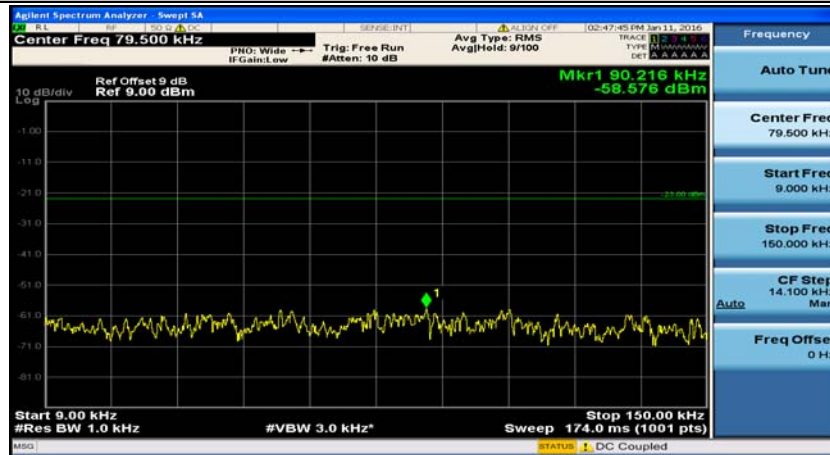


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

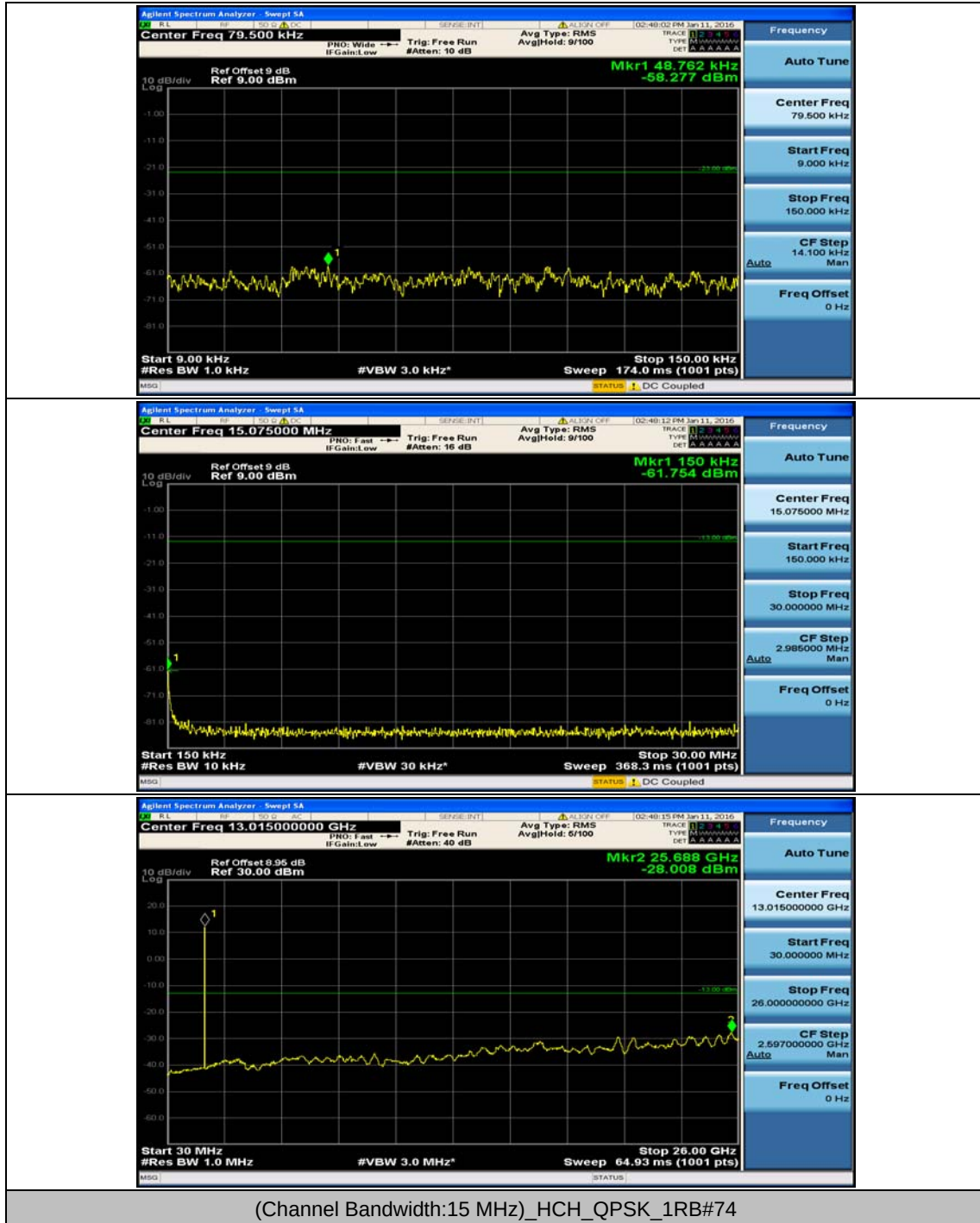


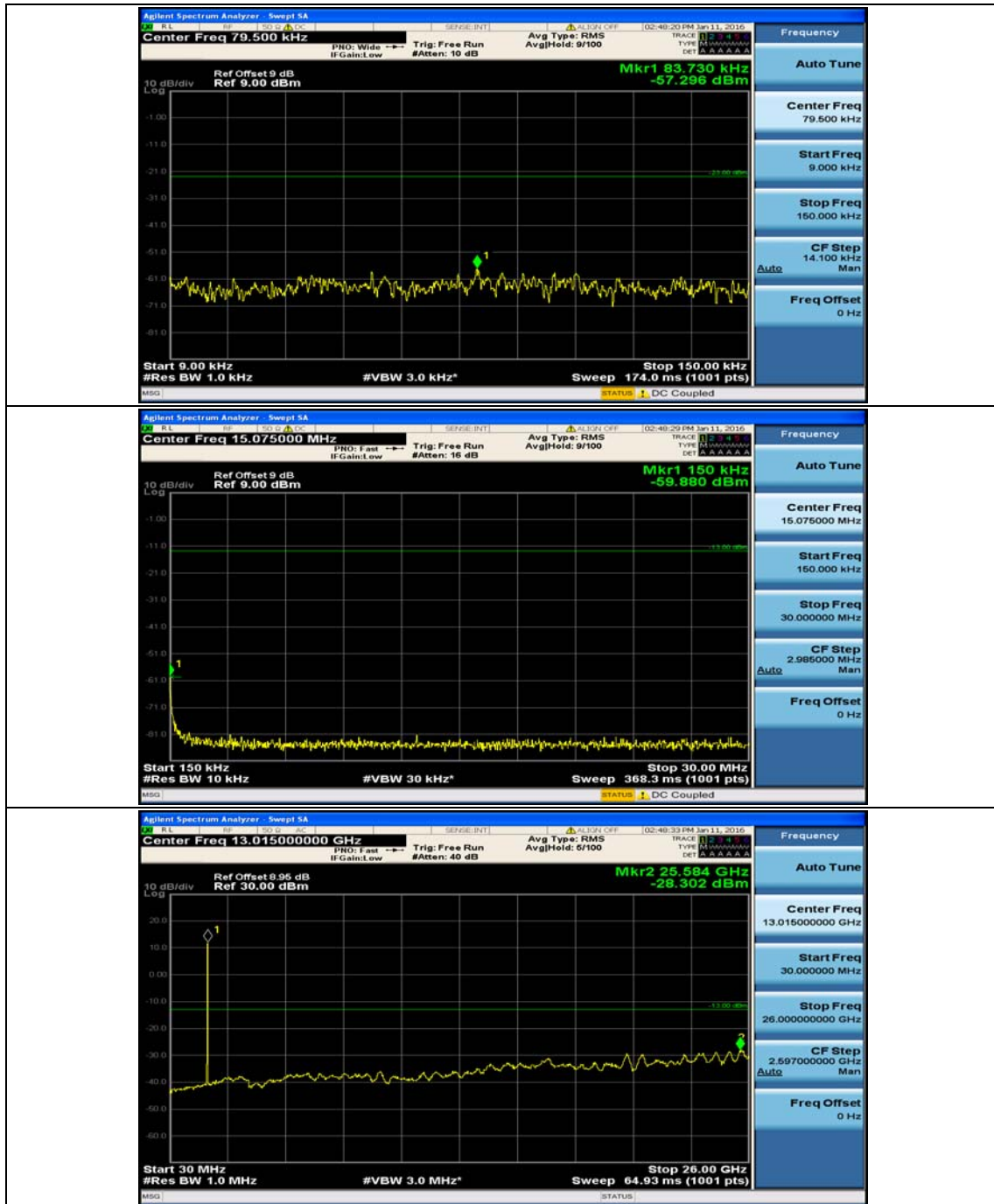


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

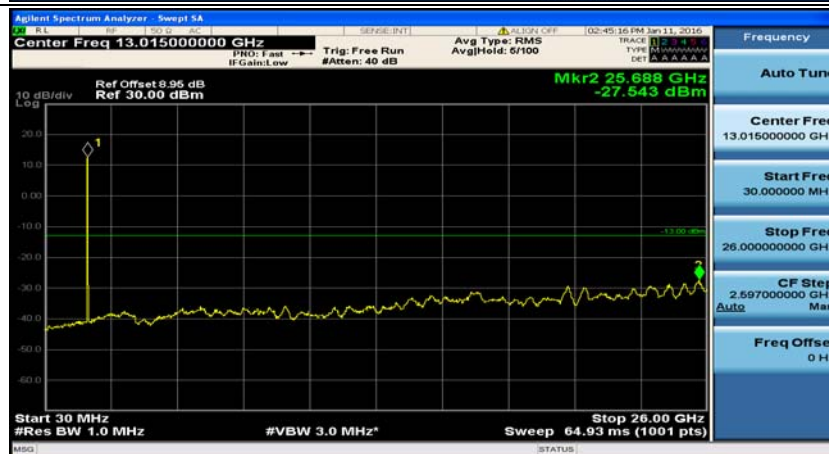
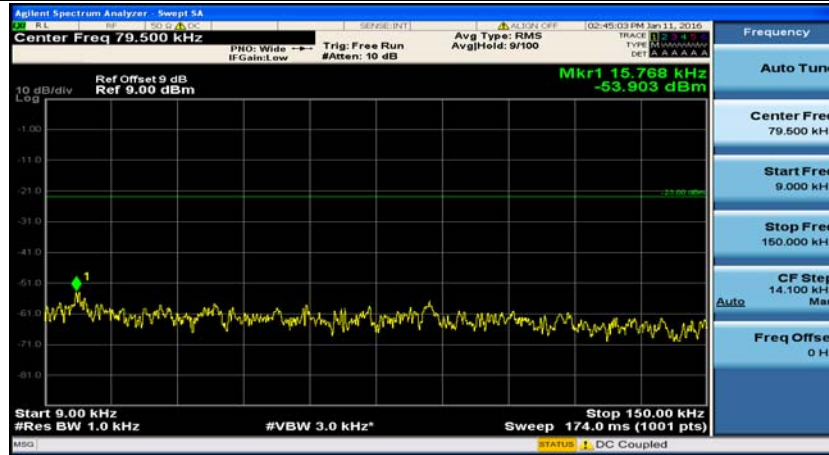


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

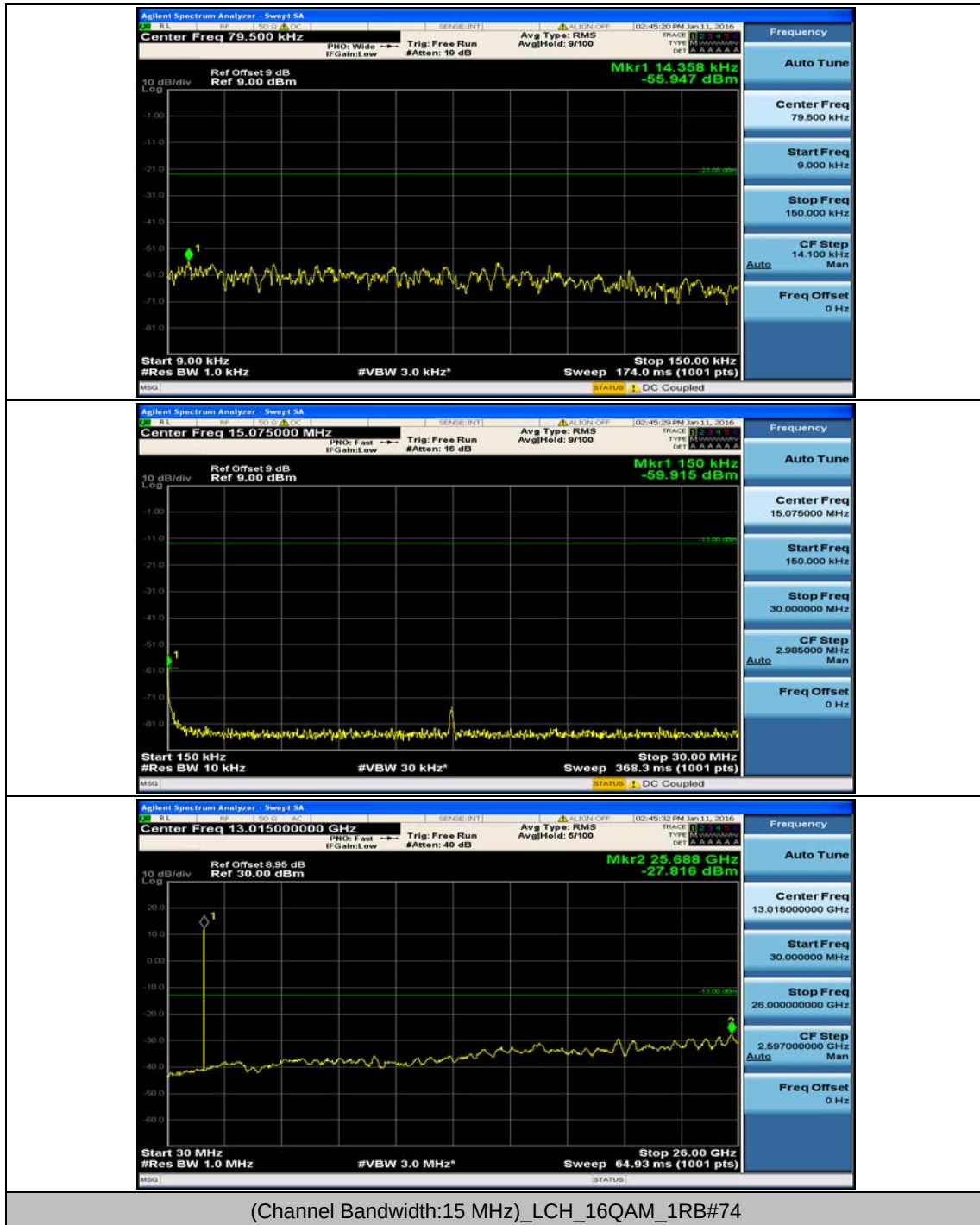


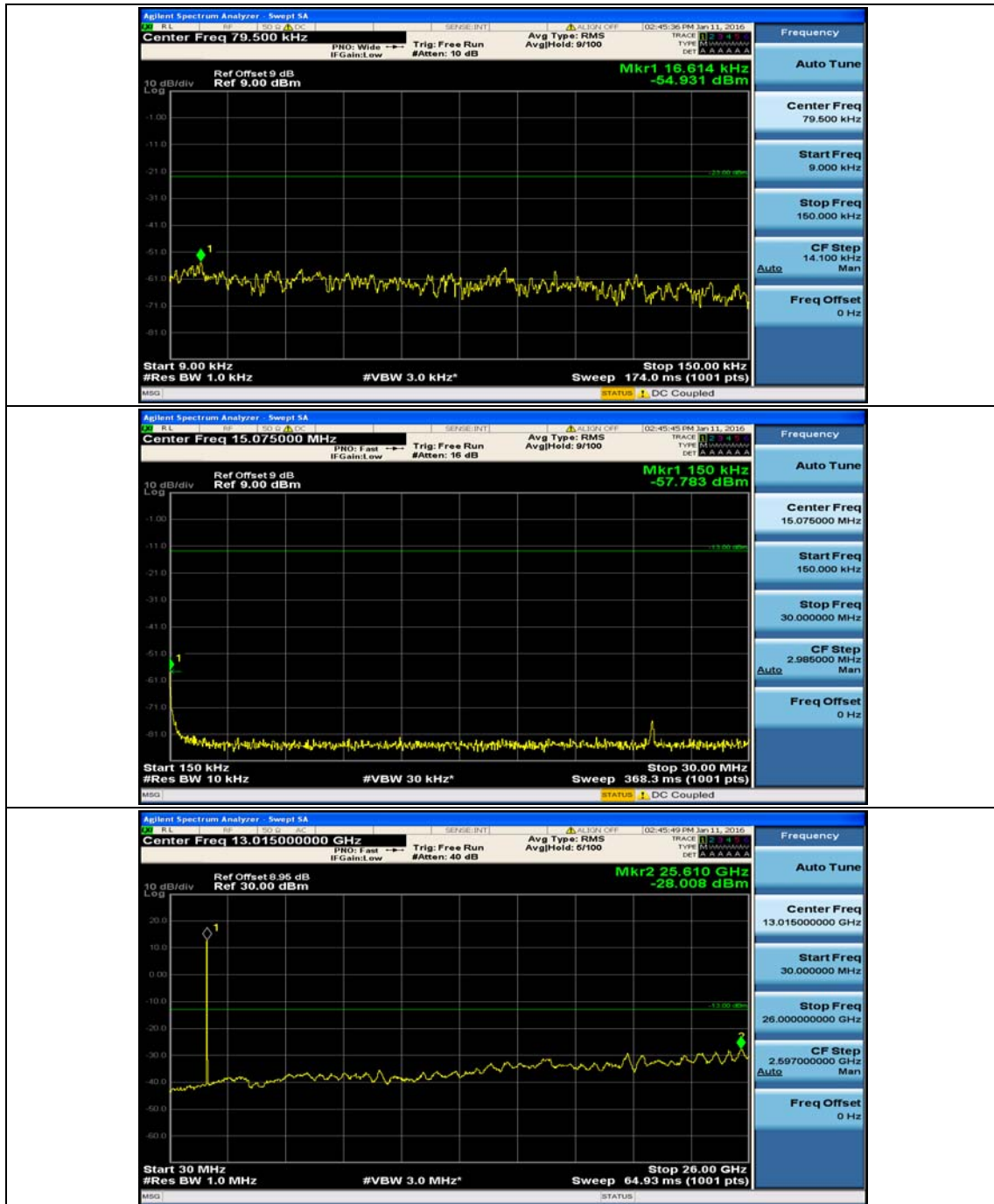


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

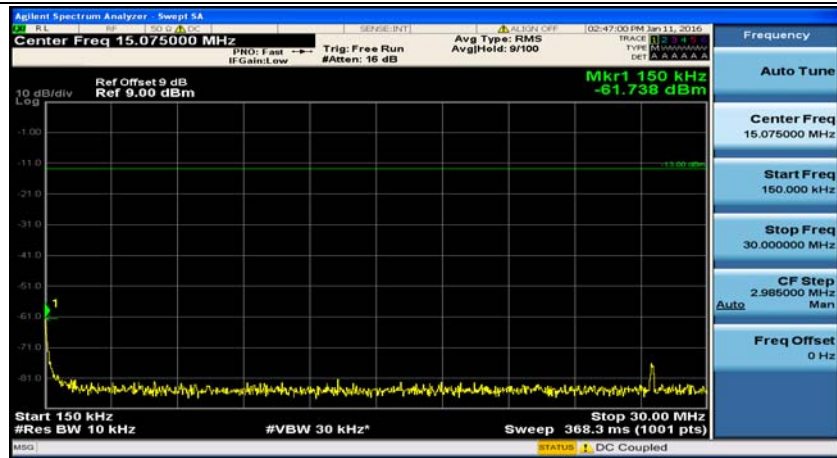


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

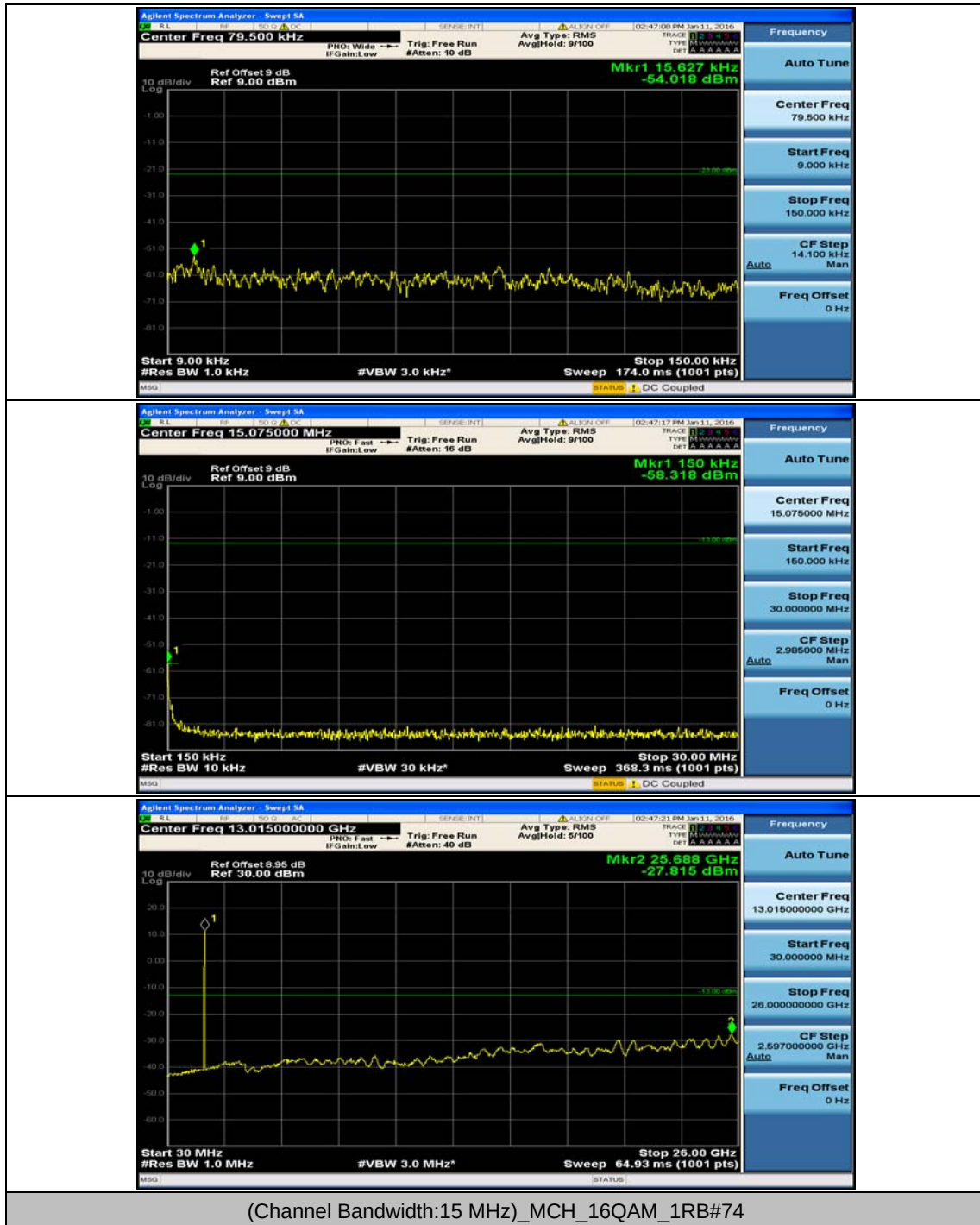


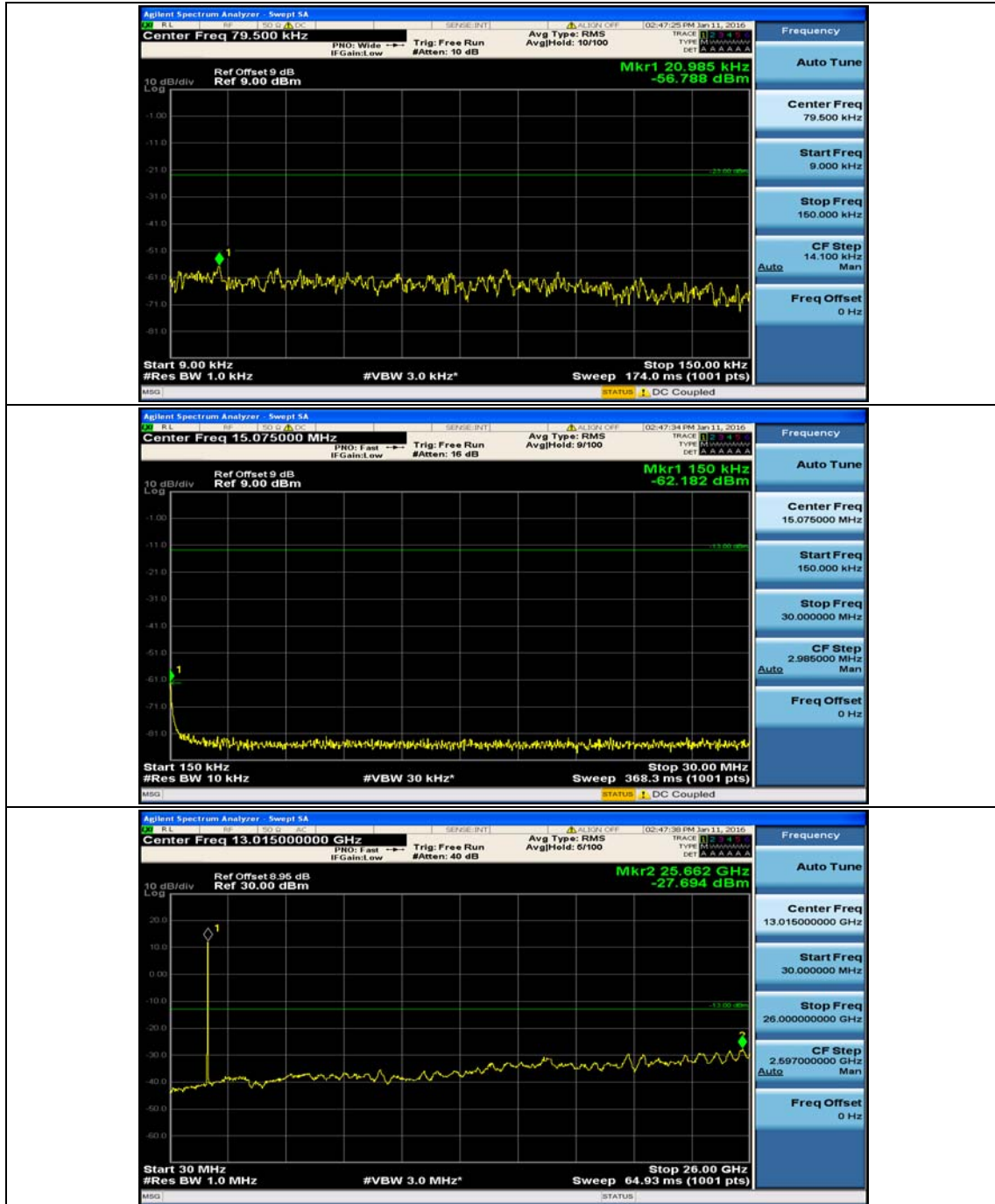


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

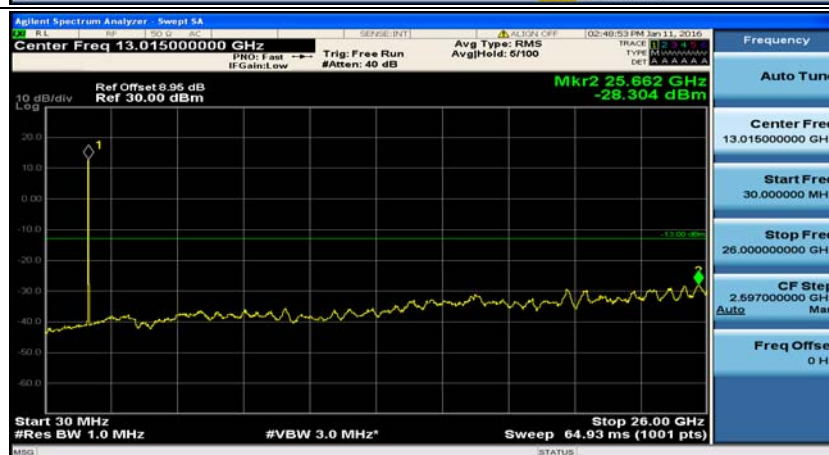
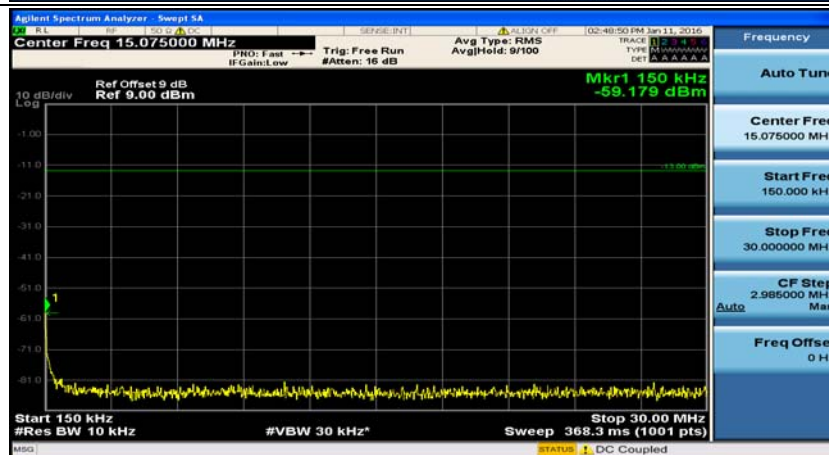


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

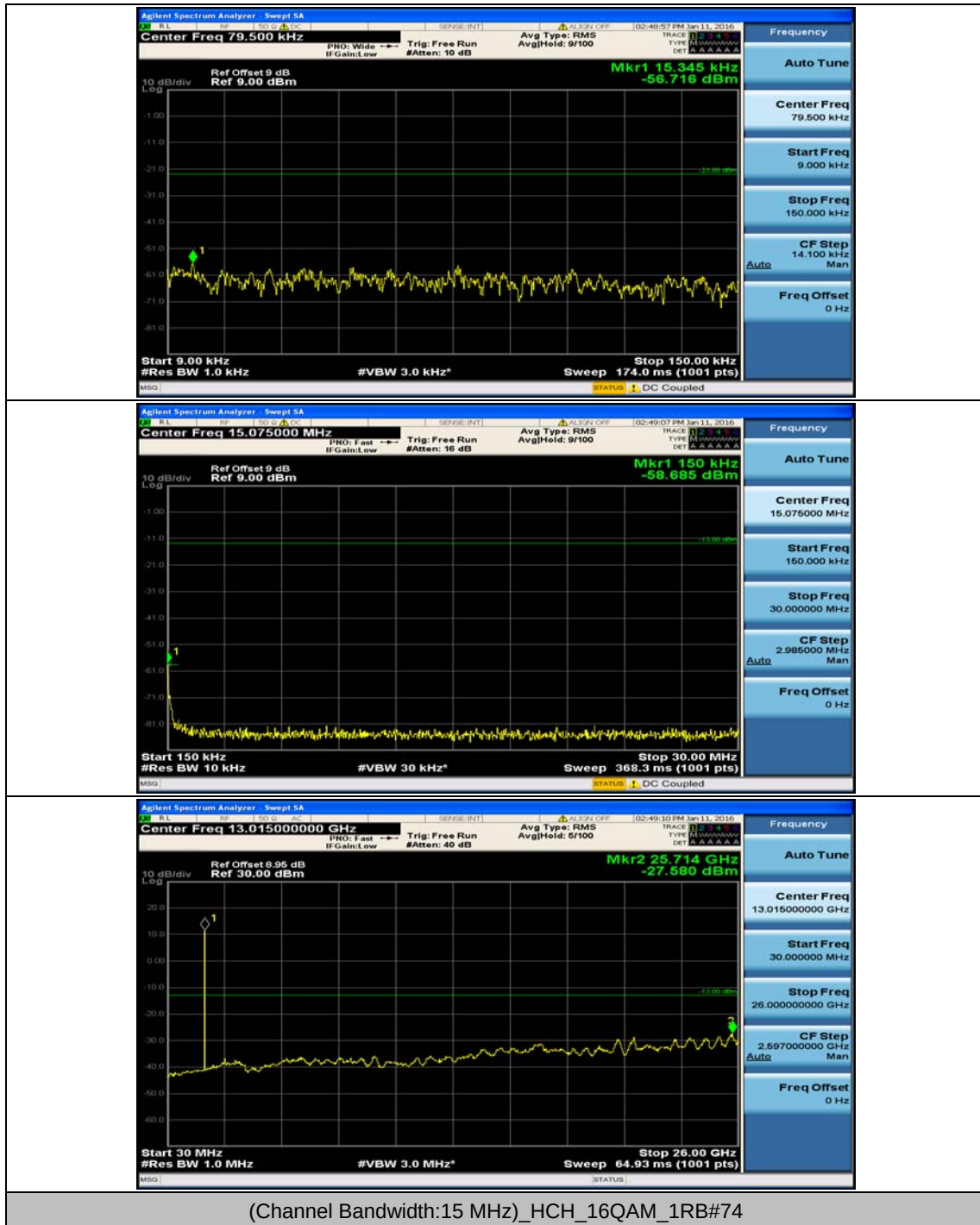


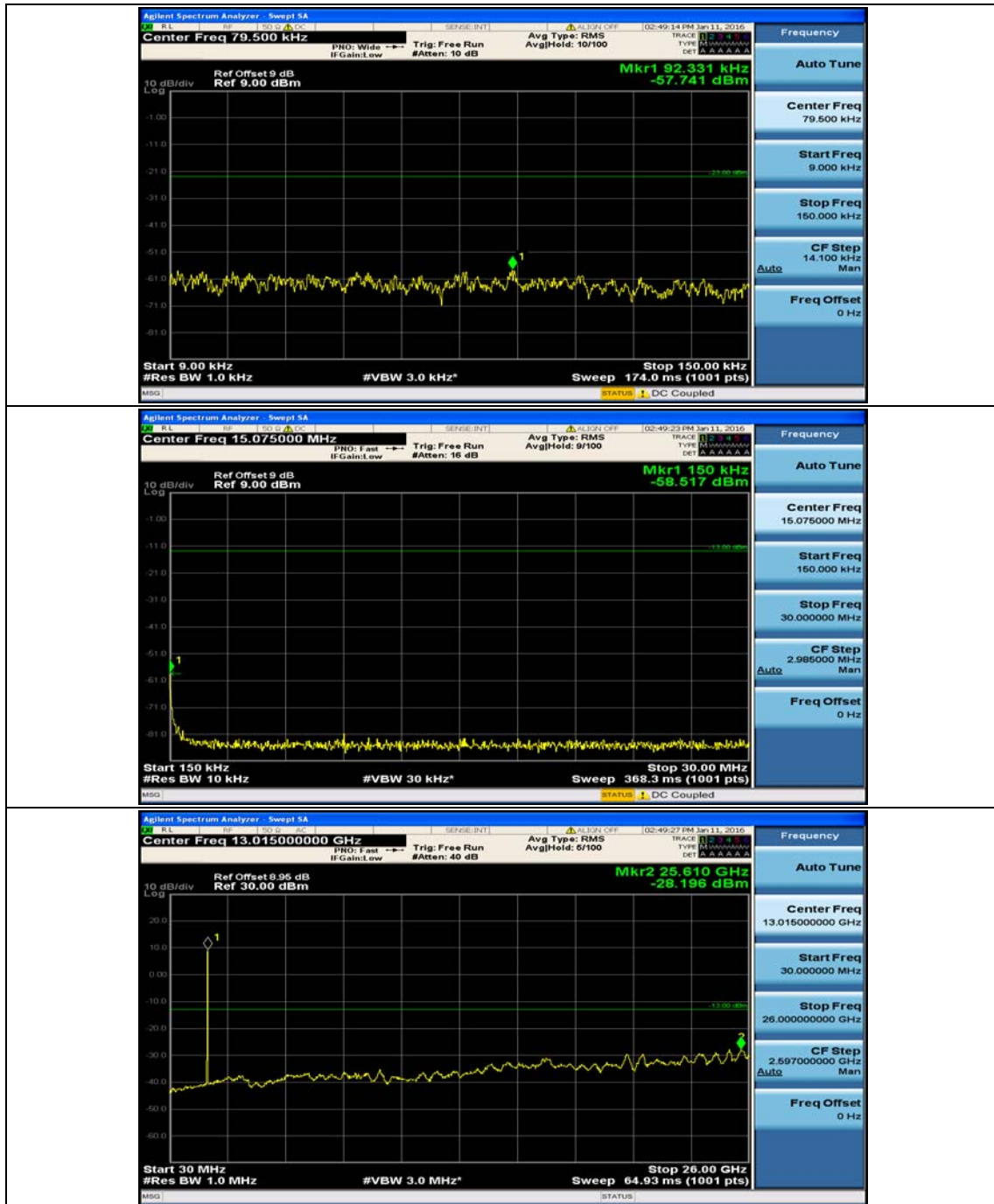


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



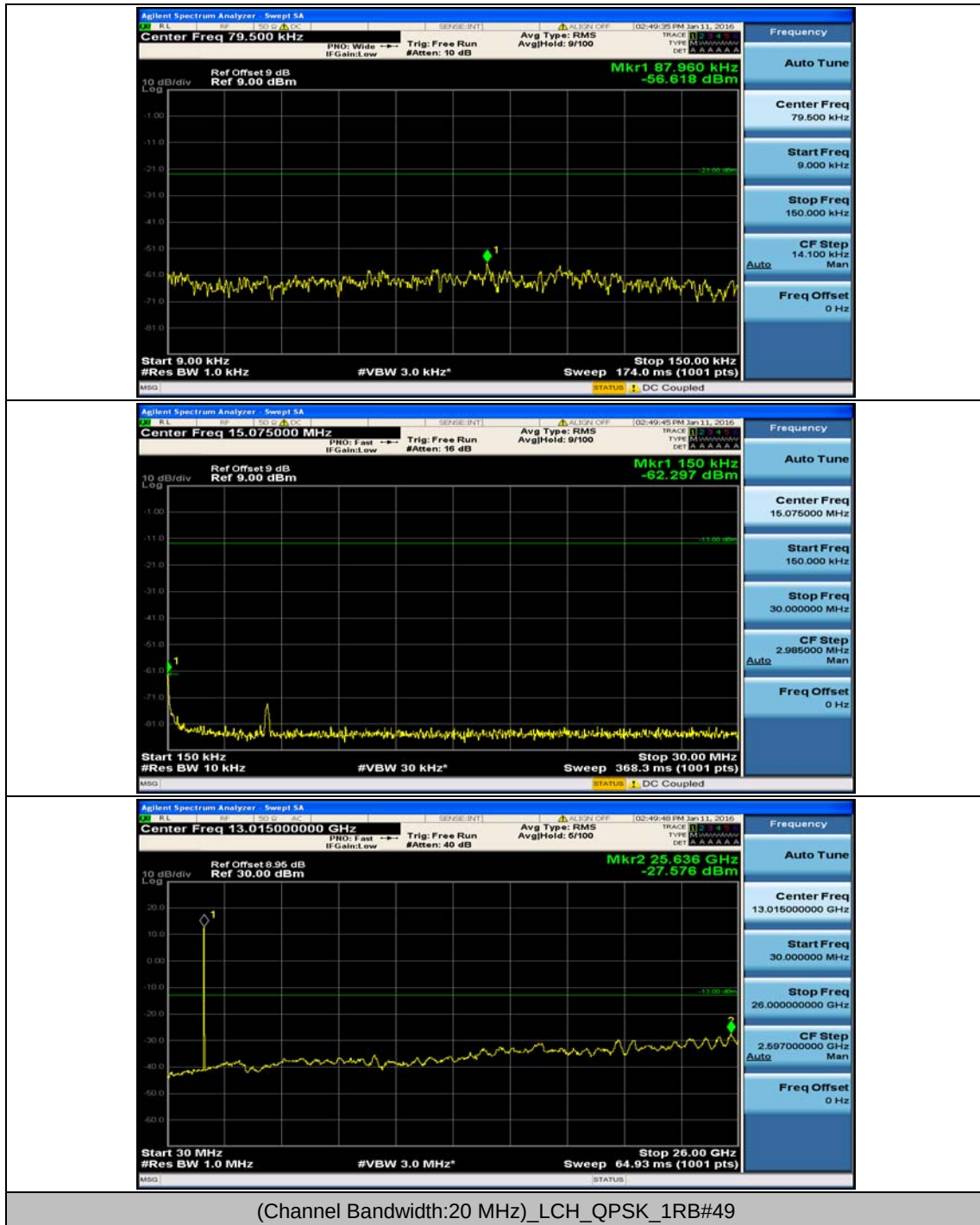
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

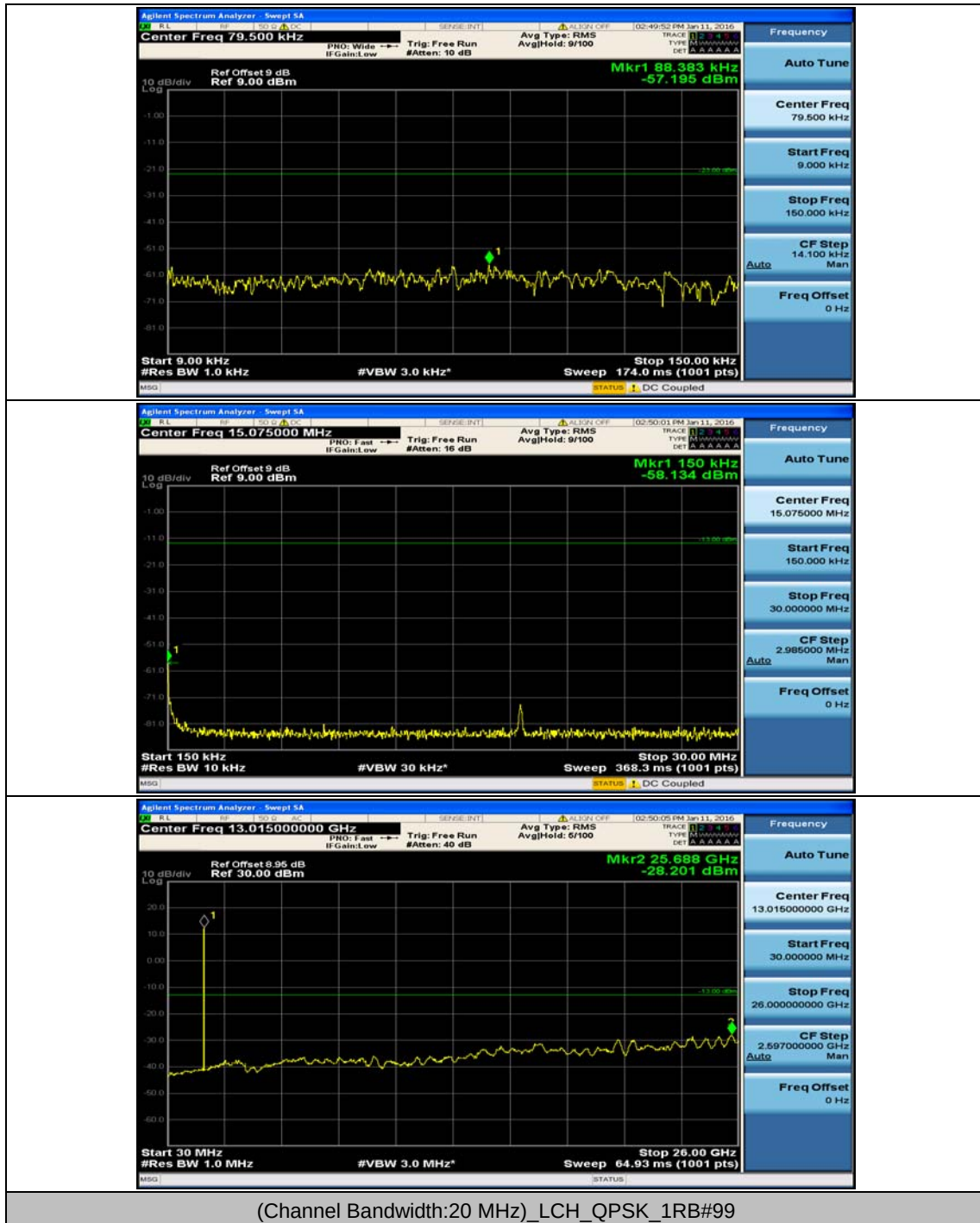


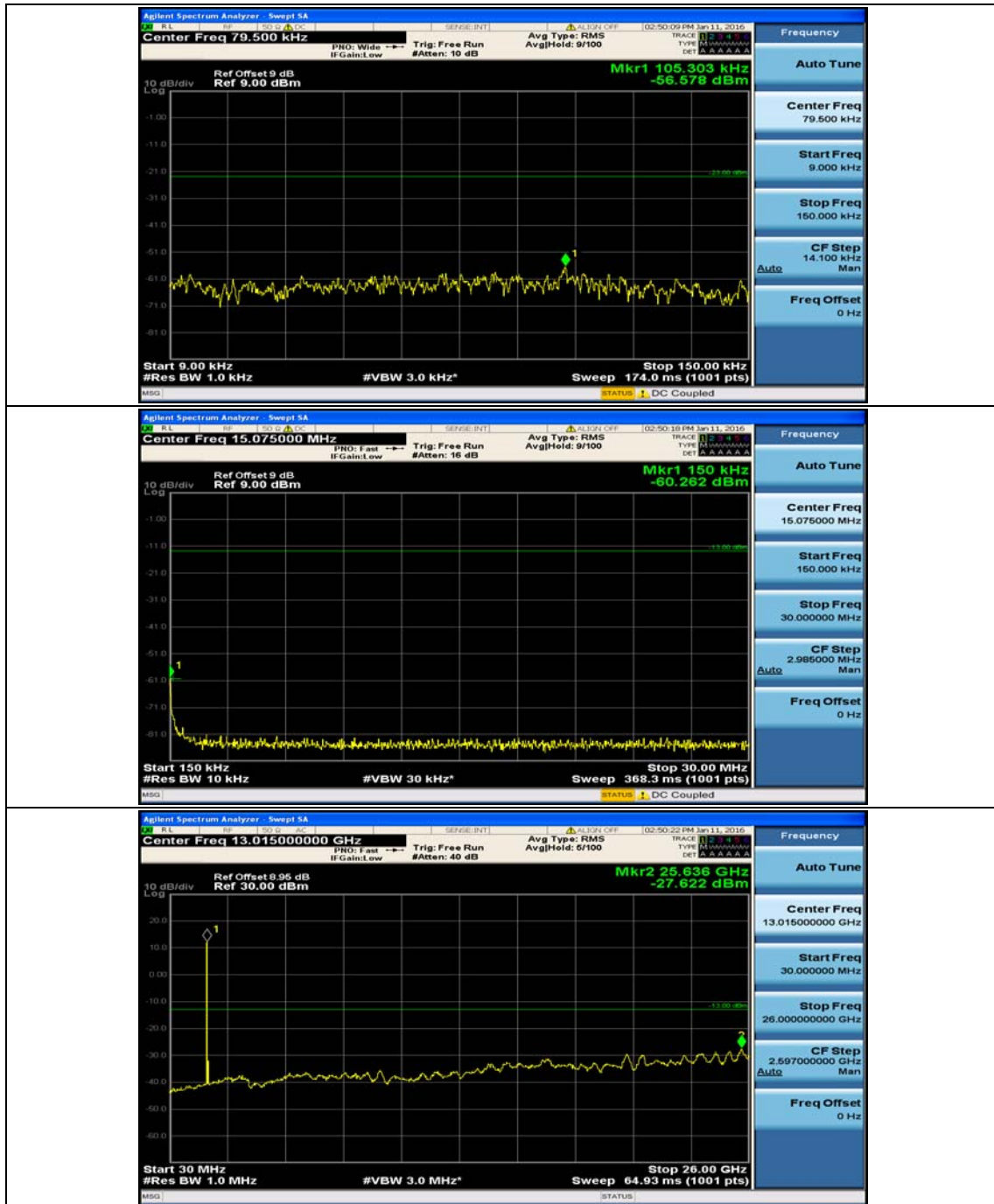


Channel Bandwidth: 20 MHz

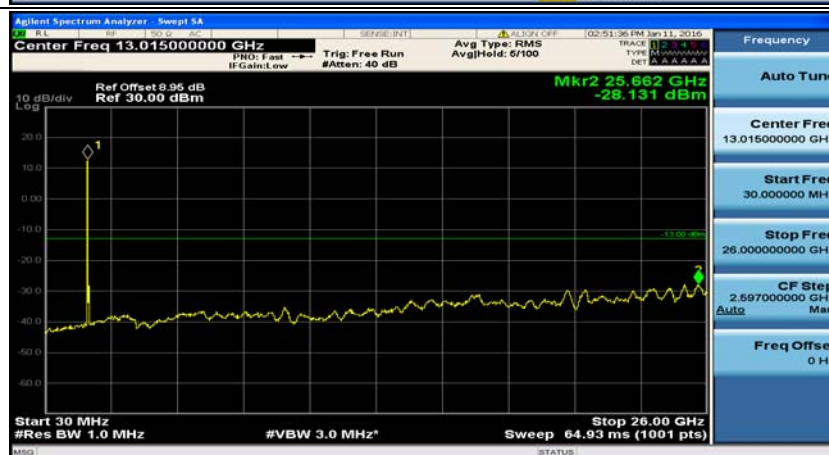
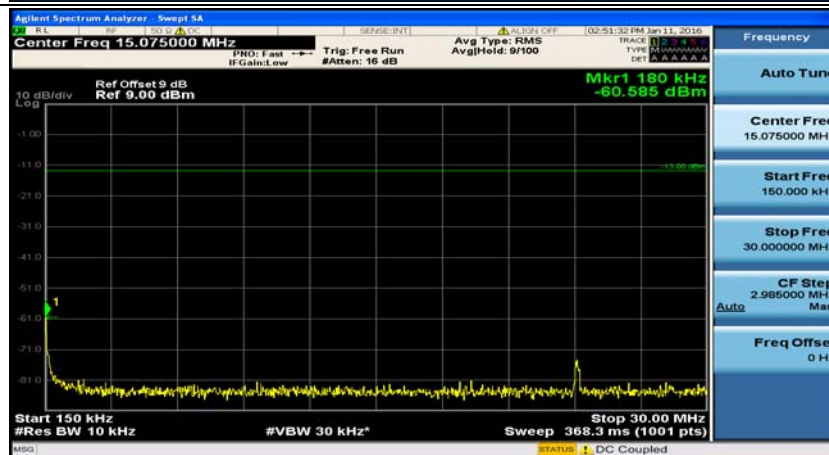
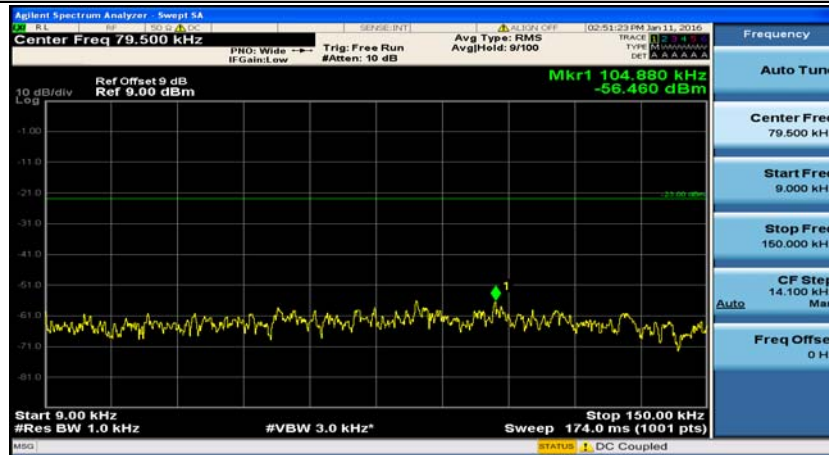
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0



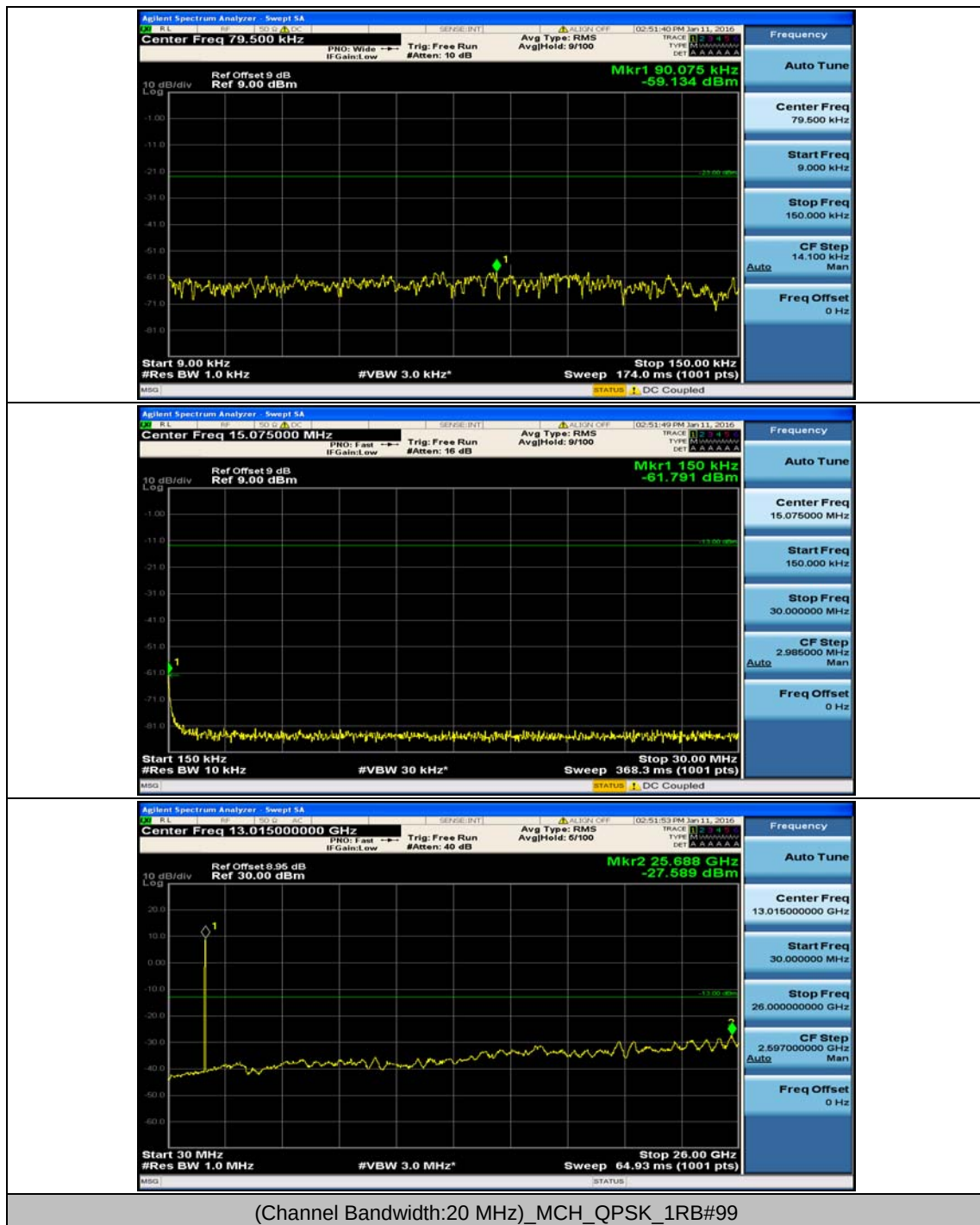


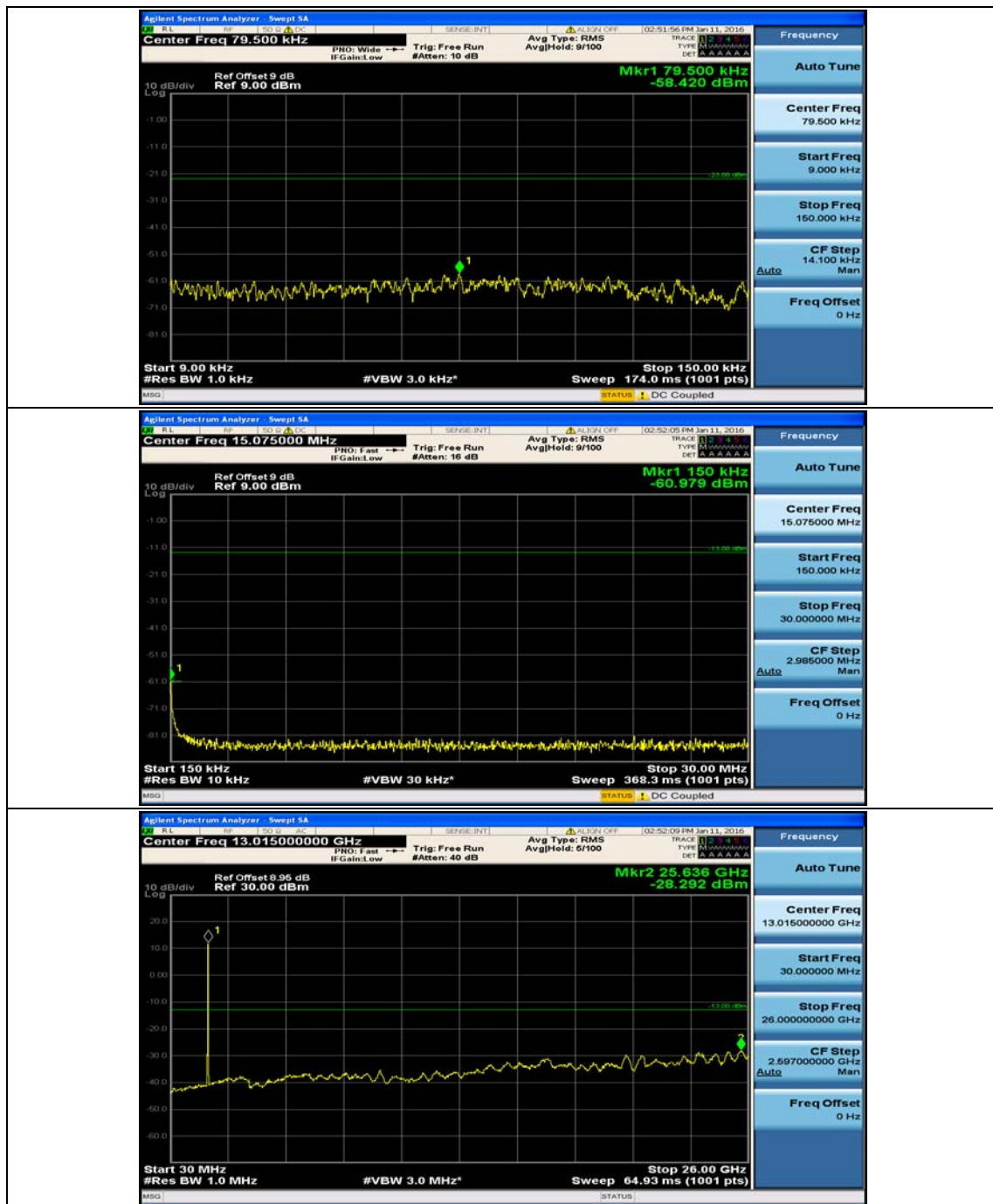


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

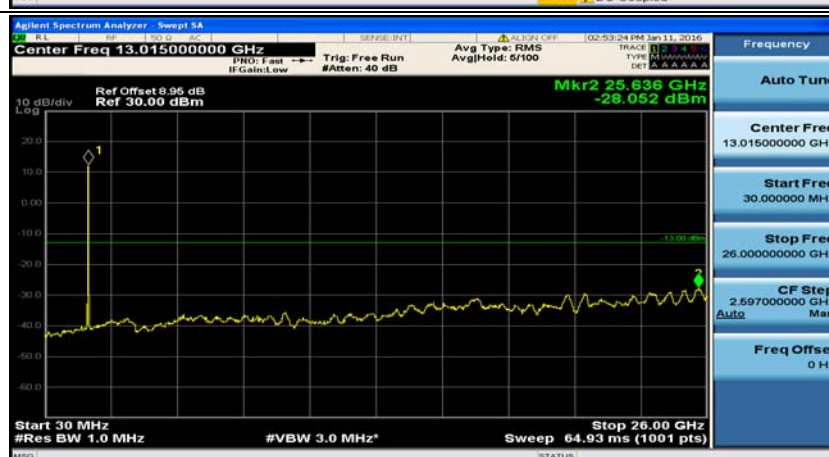
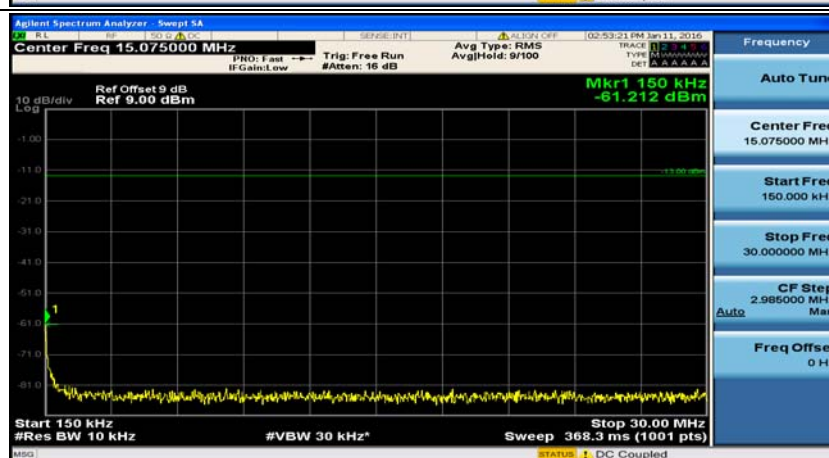
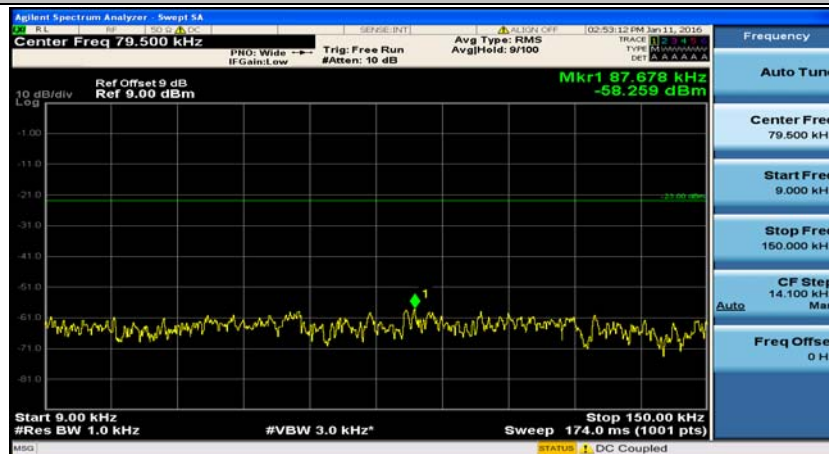


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

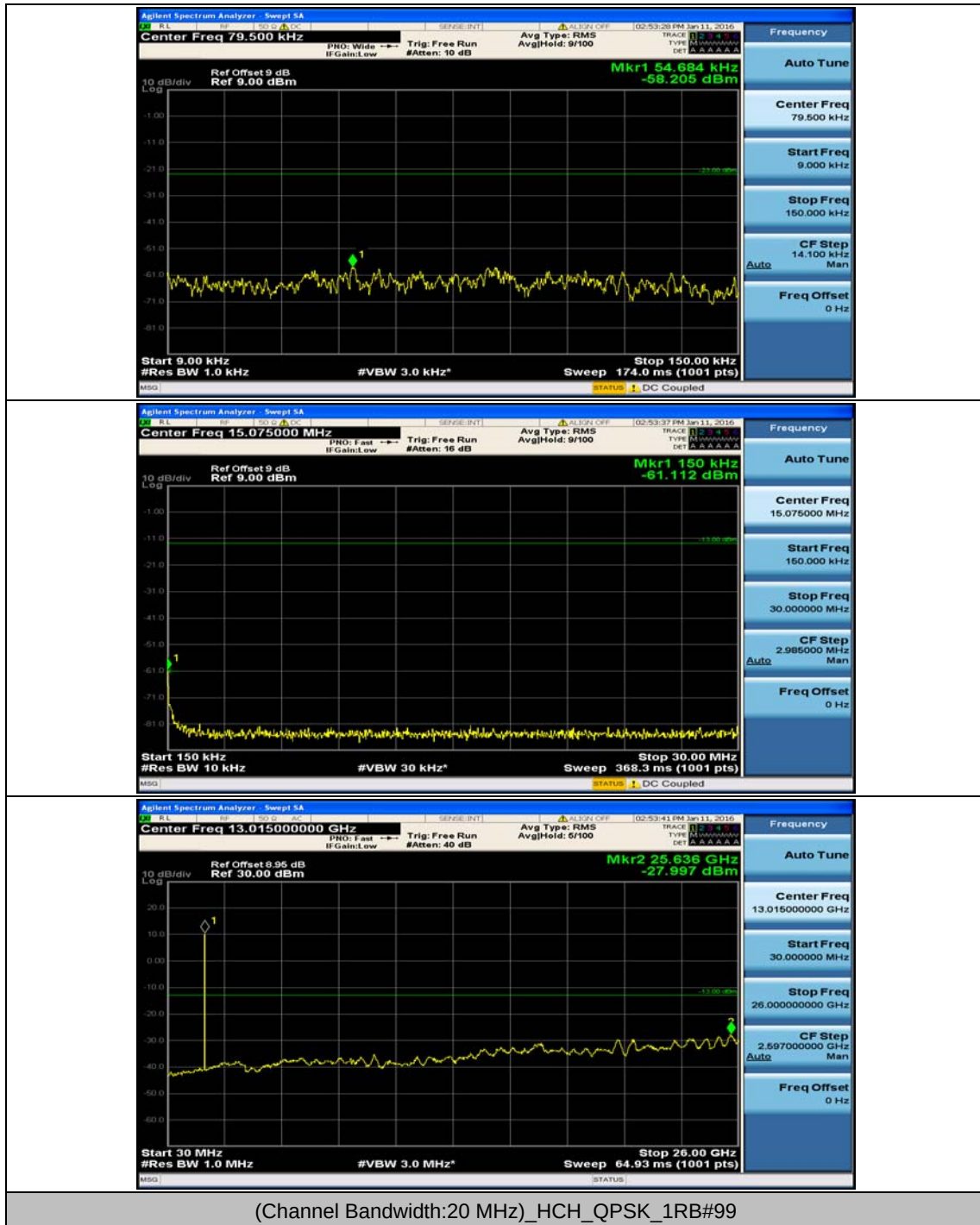


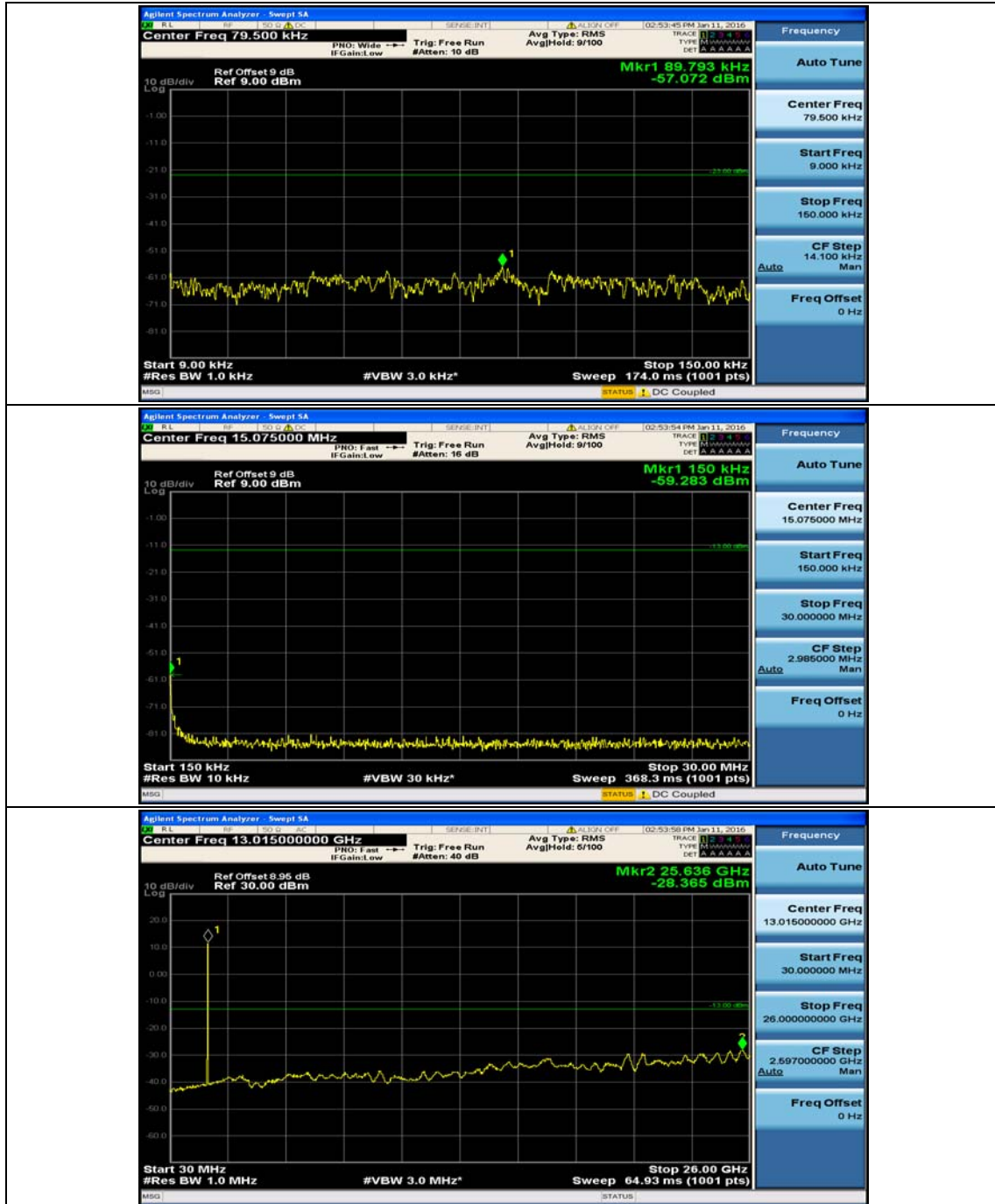


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

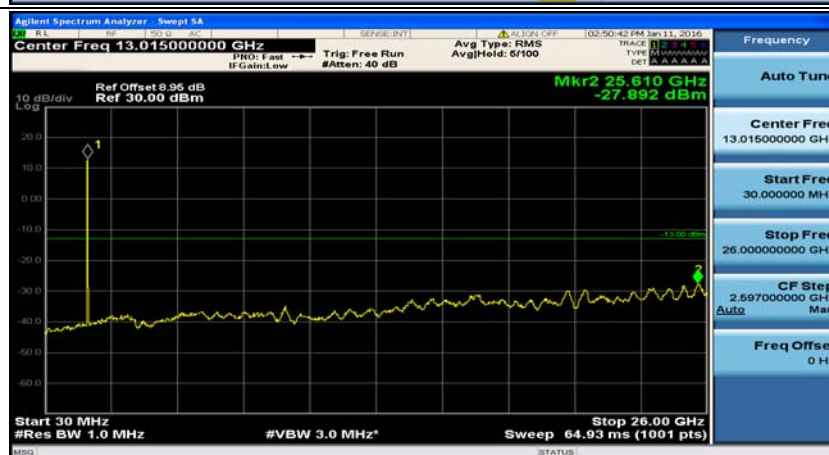
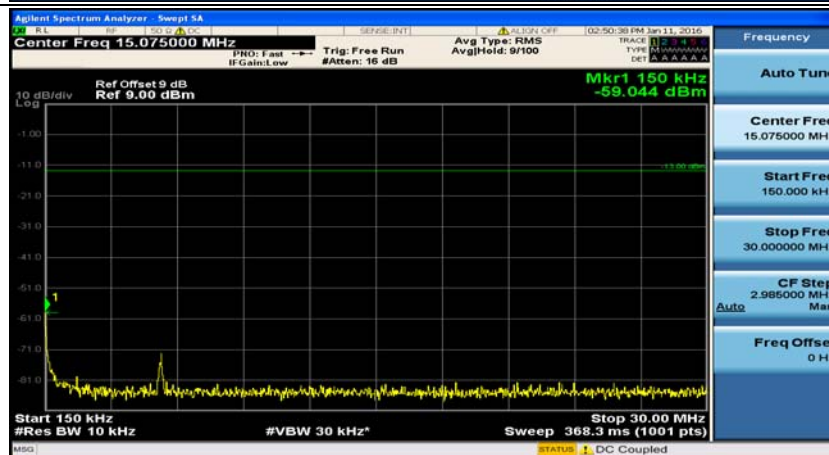


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

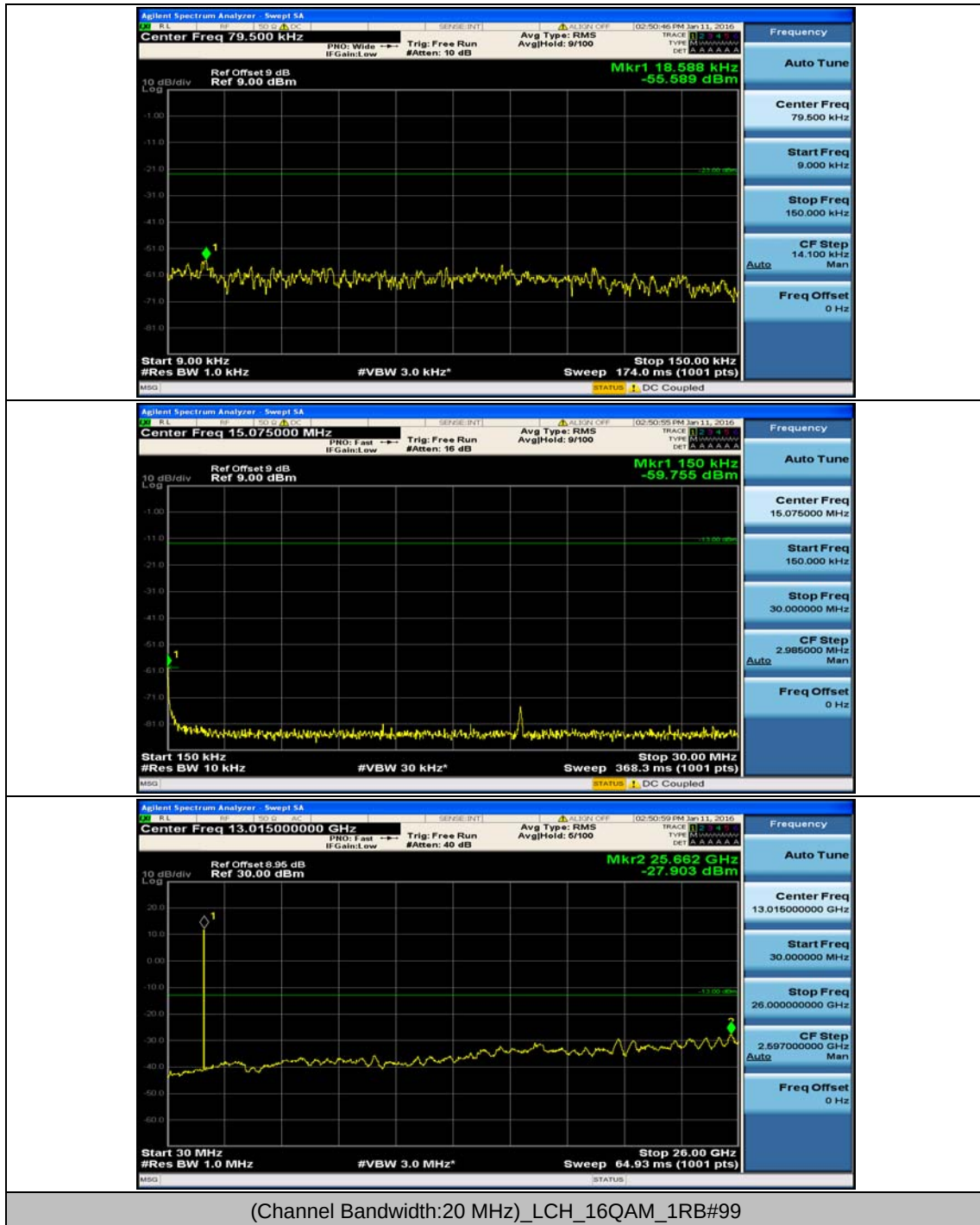


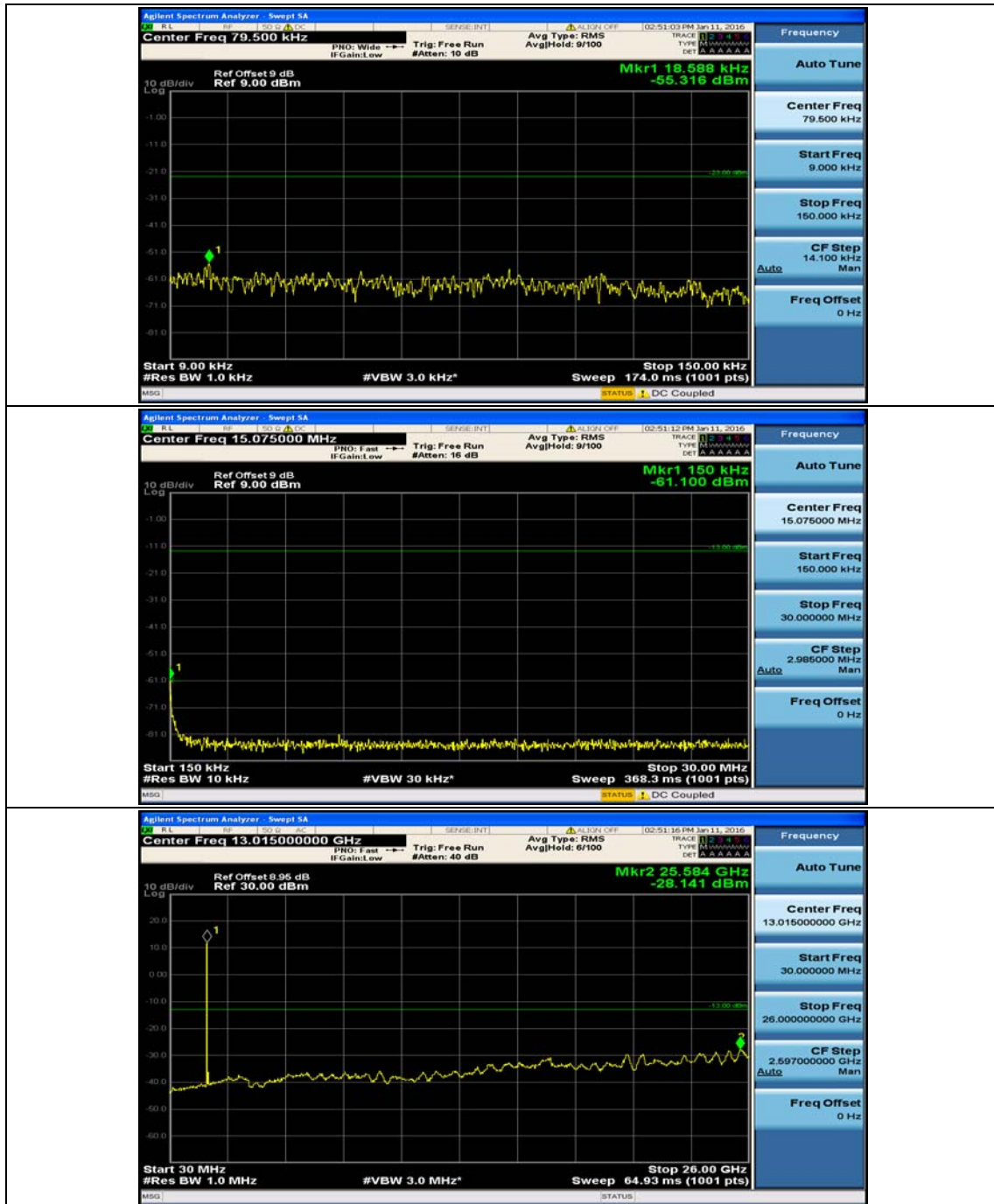


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

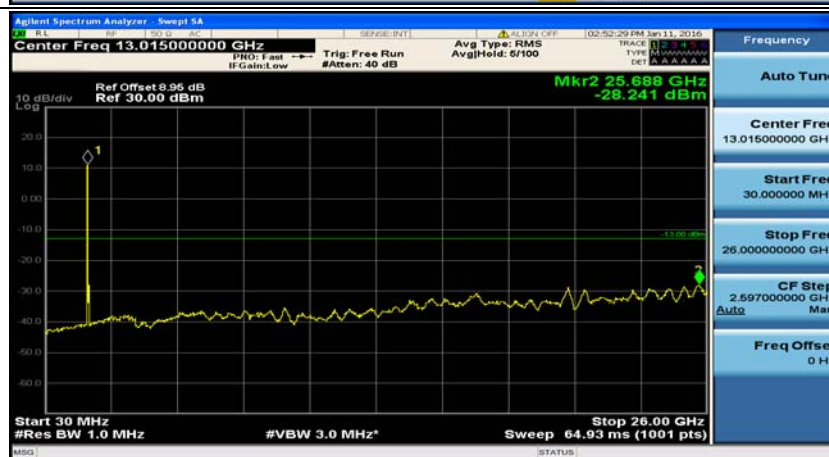
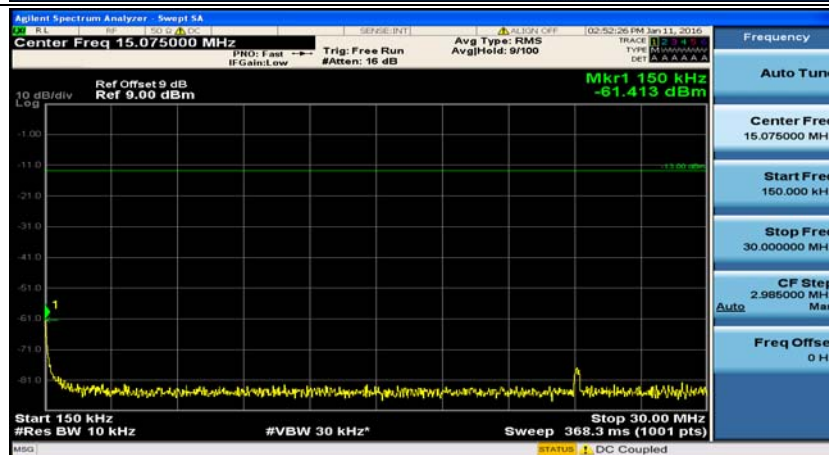
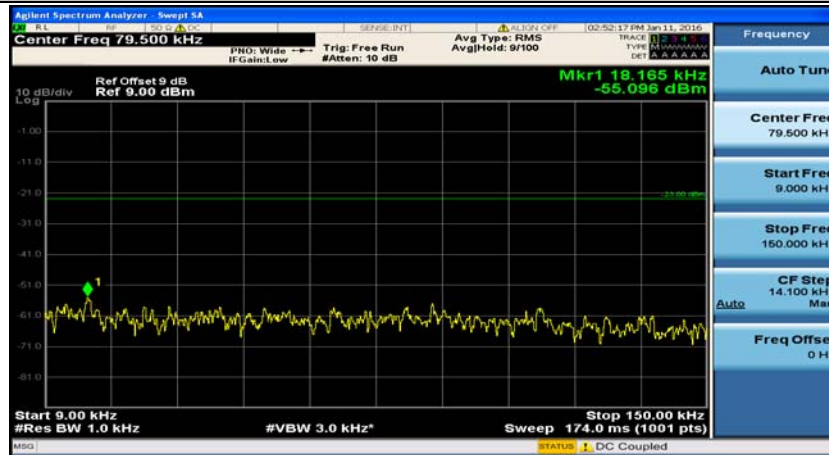


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

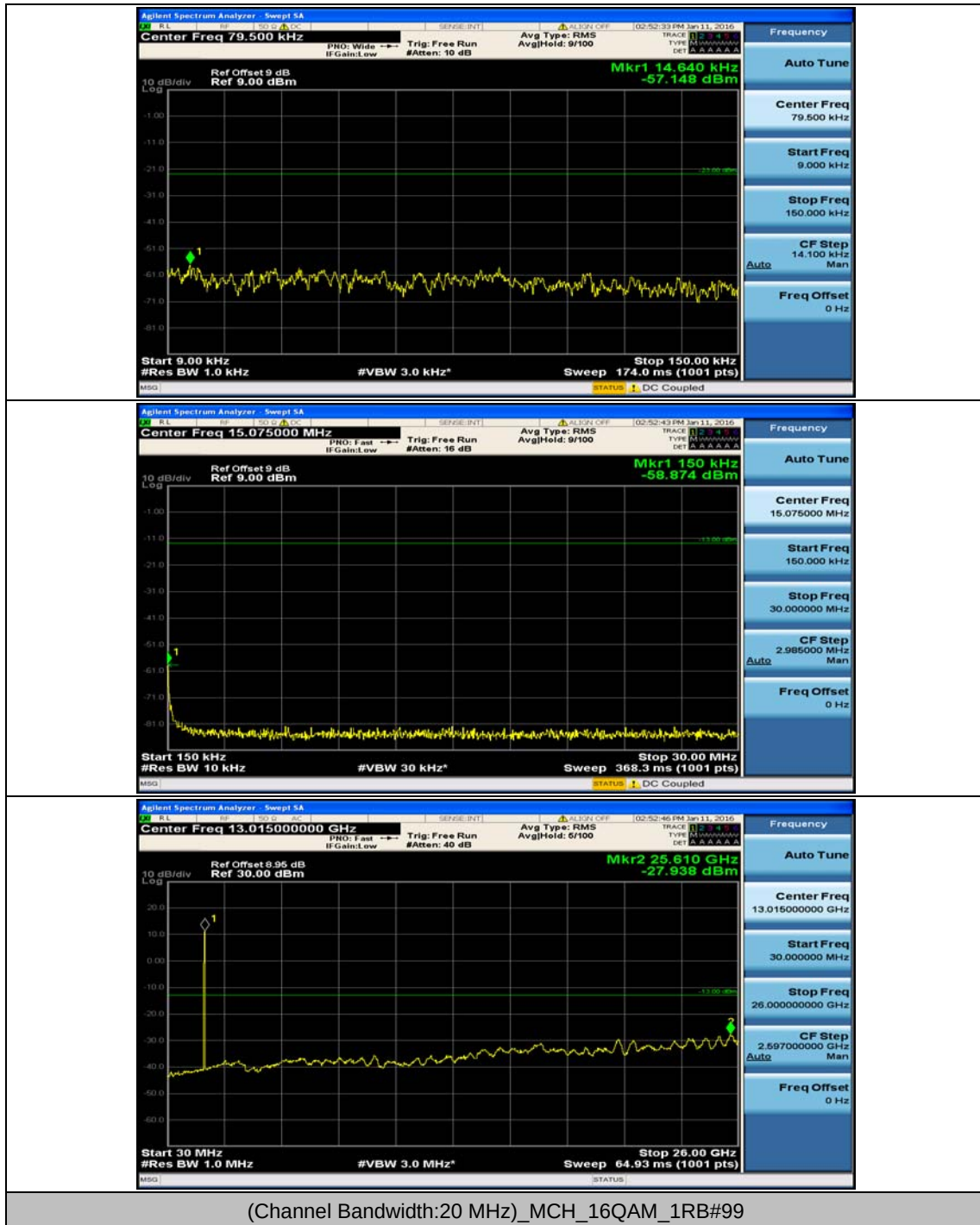


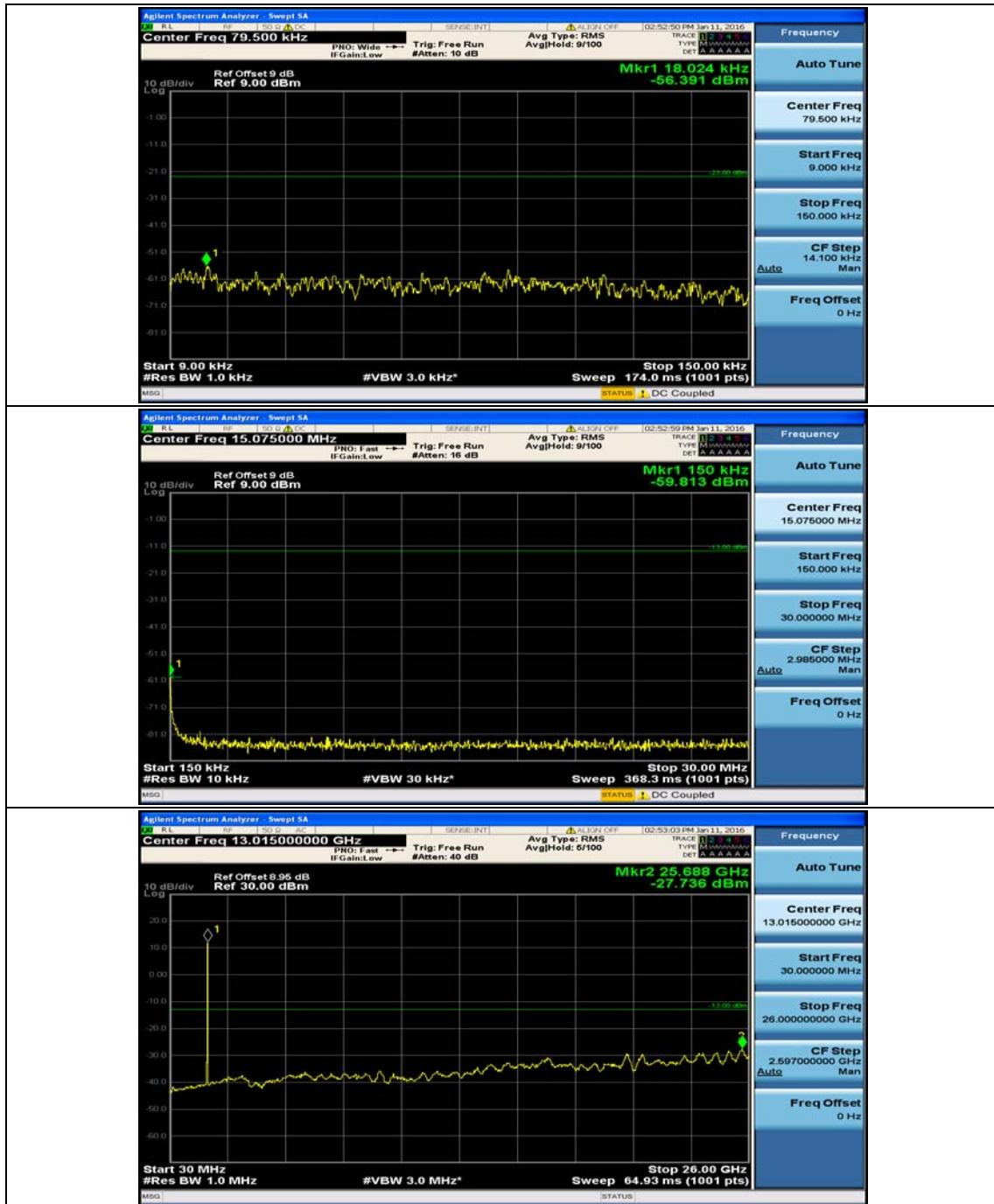


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

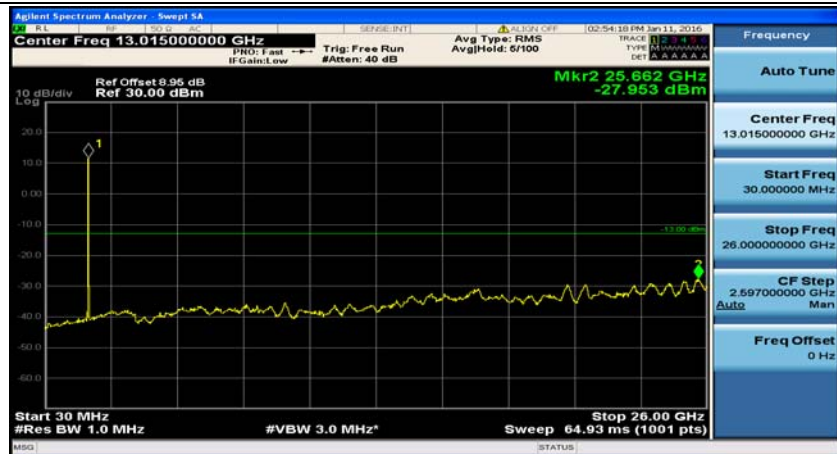
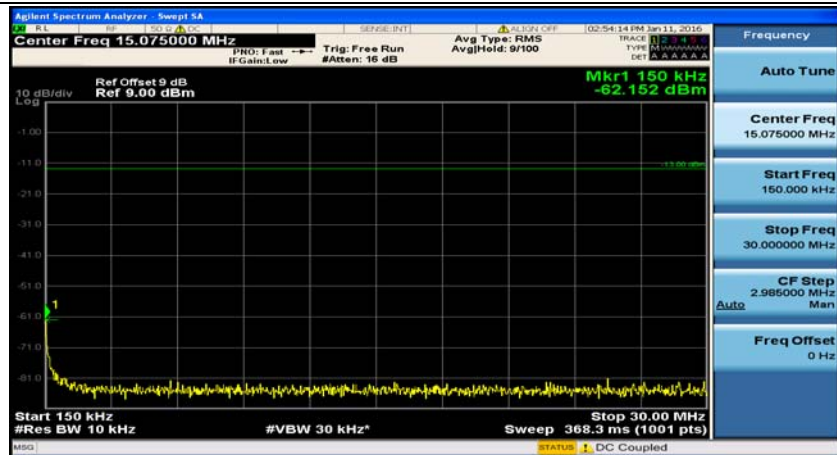


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

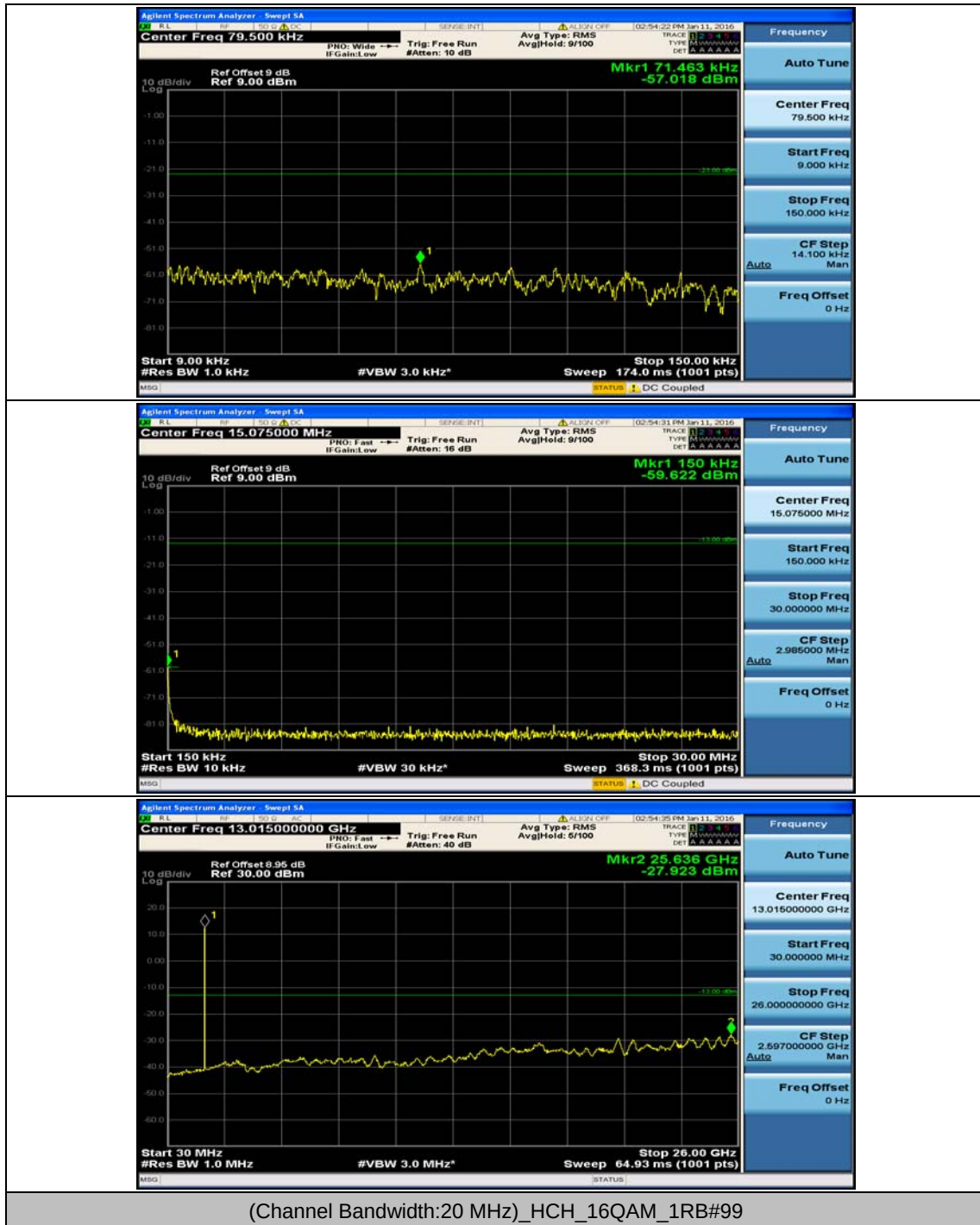


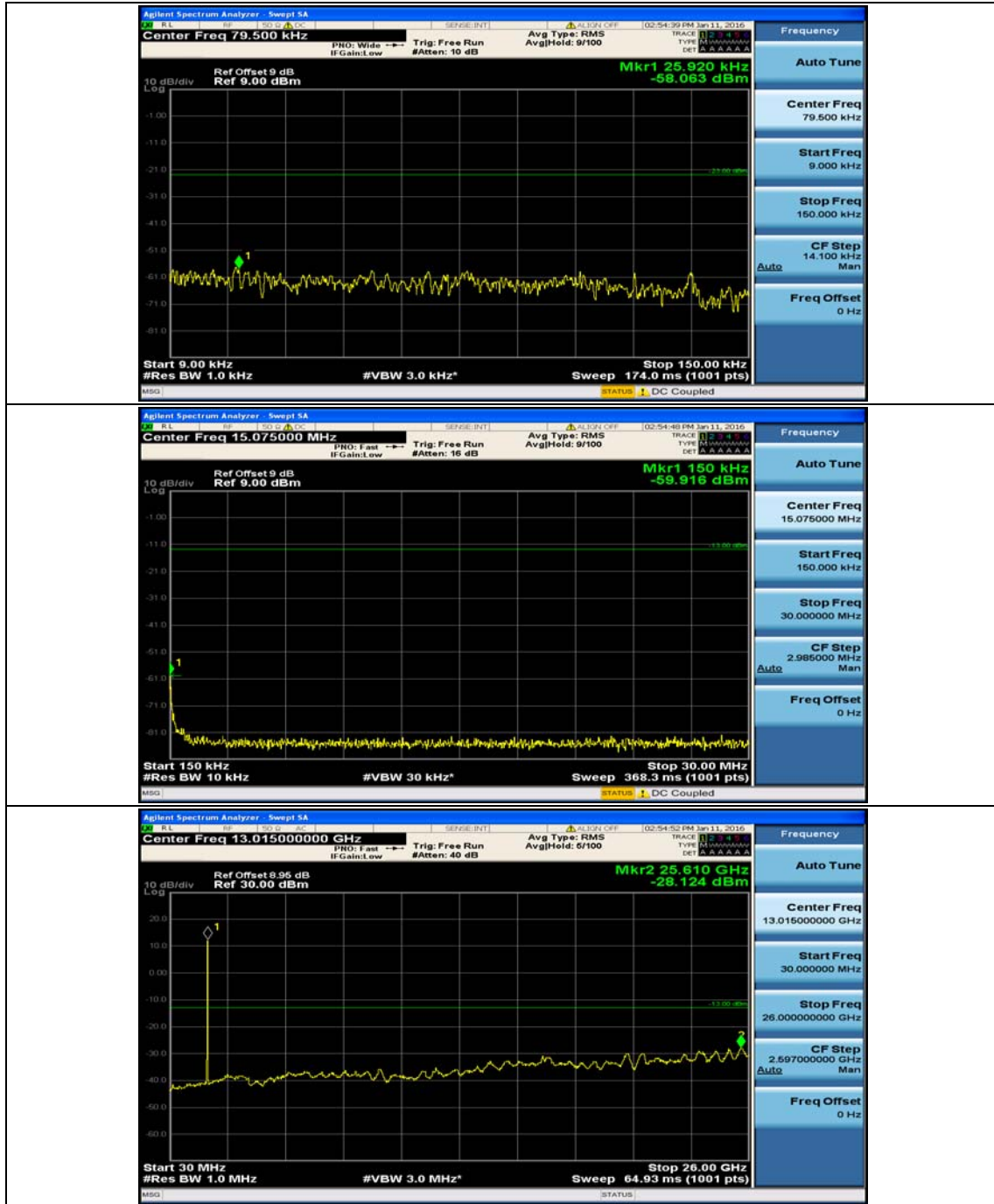


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	0.7	0.000409	± 2.5	PASS
		VN	TN	1.23	0.000719	± 2.5	PASS
		VH	TN	-1.57	-0.000918	± 2.5	PASS
	MCH	VL	TN	2.38	0.001374	± 2.5	PASS
		VN	TN	3.13	0.001807	± 2.5	PASS
		VH	TN	2.45	0.001414	± 2.5	PASS
	HCH	VL	TN	3.17	0.001807	± 2.5	PASS
		VN	TN	2.47	0.001408	± 2.5	PASS
		VH	TN	2.69	0.001533	± 2.5	PASS
16QAM	LCH	VL	TN	-1.62	-0.000947	± 2.5	PASS
		VN	TN	1.05	0.000614	± 2.5	PASS
		VH	TN	0.57	0.000333	± 2.5	PASS
	MCH	VL	TN	0.22	0.000127	± 2.5	PASS
		VN	TN	-0.93	-0.000537	± 2.5	PASS
		VH	TN	-1.97	-0.001137	± 2.5	PASS
	HCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	0.82	0.000467	± 2.5	PASS
		VH	TN	1.82	0.001037	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.3	0.000760	± 2.5	PASS
		VN	-20	-1.27	-0.000742	± 2.5	PASS
		VN	-10	-1.05	-0.000614	± 2.5	PASS
		VN	0	4.08	0.002385	± 2.5	PASS
		VN	10	4.83	0.002823	± 2.5	PASS
		VN	20	0.06	0.000035	± 2.5	PASS
		VN	30	-0.12	-0.000070	± 2.5	PASS
		VN	40	2.61	0.001526	± 2.5	PASS
		VN	50	0.04	0.000023	± 2.5	PASS
	MCH	VN	-30	0.22	0.000127	± 2.5	PASS

		VN	-20	2.21	0.001276	± 2.5	PASS
		VN	-10	4.42	0.002551	± 2.5	PASS
		VN	0	3.98	0.002297	± 2.5	PASS
		VN	10	-1.6	-0.000924	± 2.5	PASS
		VN	20	3.29	0.001899	± 2.5	PASS
		VN	30	3.97	0.002291	± 2.5	PASS
		VN	40	1.17	0.000675	± 2.5	PASS
		VN	50	-1.93	-0.001114	± 2.5	PASS
	HCH	VN	-30	4.72	0.002691	± 2.5	PASS
		VN	-20	2.04	0.001163	± 2.5	PASS
		VN	-10	0.42	0.000239	± 2.5	PASS
		VN	0	0.43	0.000245	± 2.5	PASS
		VN	10	-1.51	-0.000861	± 2.5	PASS
		VN	20	4.11	0.002343	± 2.5	PASS
		VN	30	2.04	0.001163	± 2.5	PASS
		VN	40	0.4	0.000228	± 2.5	PASS
16QAM	LCH	VN	50	0.22	0.000125	± 2.5	PASS
		VN	-30	-0.16	-0.000094	± 2.5	PASS
		VN	-20	2.19	0.001280	± 2.5	PASS
		VN	-10	2.01	0.001175	± 2.5	PASS
		VN	0	-1.45	-0.000848	± 2.5	PASS
		VN	10	-0.28	-0.000164	± 2.5	PASS
		VN	20	3.23	0.001888	± 2.5	PASS
		VN	30	2.91	0.001701	± 2.5	PASS
		VN	40	0.13	0.000076	± 2.5	PASS
	MCH	VN	50	0.55	0.000322	± 2.5	PASS
		VN	-30	-1.92	-0.001094	± 2.5	PASS
		VN	-20	-1.24	-0.000707	± 2.5	PASS
		VN	-10	-1.69	-0.000963	± 2.5	PASS
		VN	0	4.24	0.002417	± 2.5	PASS
		VN	10	0.57	0.000325	± 2.5	PASS
		VN	20	0.37	0.000211	± 2.5	PASS
		VN	30	3.23	0.001841	± 2.5	PASS
		VN	40	3.96	0.002257	± 2.5	PASS
	HCH	VN	50	0.28	0.000160	± 2.5	PASS
		VN	-30	-1.51	-0.000861	± 2.5	PASS
		VN	-20	-1.8	-0.001026	± 2.5	PASS
		VN	-10	3.63	0.002069	± 2.5	PASS
		VN	0	4.39	0.002502	± 2.5	PASS
		VN	10	0.52	0.000296	± 2.5	PASS
		VN	20	-3.26	-0.001859	± 2.5	PASS
		VN	30	-5.11	-0.002911	± 2.5	PASS

		VN	40	-3.10	-0.001769	± 2.5	PASS
		VN	50	-5.01	-0.002854	± 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	3.73	0.002179	± 2.5	PASS
		VN	TN	-1.12	-0.000654	± 2.5	PASS
		VH	TN	-1.3	-0.000760	± 2.5	PASS
	MCH	VL	TN	4.31	0.002488	± 2.5	PASS
		VN	TN	5.08	0.002932	± 2.5	PASS
		VH	TN	1.11	0.000641	± 2.5	PASS
	HCH	VL	TN	4.75	0.002709	± 2.5	PASS
		VN	TN	3.65	0.002082	± 2.5	PASS
		VH	TN	1.95	0.001112	± 2.5	PASS
16QAM	LCH	VL	TN	2.2	0.001285	± 2.5	PASS
		VN	TN	4.16	0.002431	± 2.5	PASS
		VH	TN	-1.89	-0.001104	± 2.5	PASS
	MCH	VL	TN	-0.12	-0.000069	± 2.5	PASS
		VN	TN	-1.21	-0.000698	± 2.5	PASS
		VH	TN	0.86	0.000496	± 2.5	PASS
	HCH	VL	TN	4.51	0.002572	± 2.5	PASS
		VN	TN	-0.9	-0.000513	± 2.5	PASS
		VH	TN	-0.05	-0.000029	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.03	0.001186	± 2.5	PASS
		VN	-20	1.92	0.001122	± 2.5	PASS
		VN	-10	1.9	0.001110	± 2.5	PASS
		VN	0	1.47	0.000859	± 2.5	PASS
		VN	10	2.91	0.001700	± 2.5	PASS
		VN	20	1.25	0.000730	± 2.5	PASS
		VN	30	3.74	0.002185	± 2.5	PASS
		VN	40	2.48	0.001449	± 2.5	PASS
		VN	50	-0.44	-0.000257	± 2.5	PASS
	MCH	VN	-30	1.93	0.001114	± 2.5	PASS
		VN	-20	0.74	0.000427	± 2.5	PASS
		VN	-10	3.67	0.002118	± 2.5	PASS
		VN	0	0.13	0.000075	± 2.5	PASS

		VN	10	1.27	0.000733	± 2.5	PASS
		VN	20	2.43	0.001403	± 2.5	PASS
		VN	30	-0.69	-0.000398	± 2.5	PASS
		VN	40	-0.78	-0.000450	± 2.5	PASS
		VN	50	0.75	0.000433	± 2.5	PASS
	HCH	VN	-30	4.24	0.002418	± 2.5	PASS
		VN	-20	4.22	0.002407	± 2.5	PASS
		VN	-10	3.75	0.002139	± 2.5	PASS
		VN	0	1.85	0.001055	± 2.5	PASS
		VN	10	-0.9	-0.000513	± 2.5	PASS
		VN	20	-1.16	-0.000662	± 2.5	PASS
		VN	30	-0.45	-0.000257	± 2.5	PASS
		VN	40	3.51	0.002002	± 2.5	PASS
		VN	50	0.06	0.000034	± 2.5	PASS
QPSK	LCH	VN	-30	2.53	0.001460	± 2.5	PASS
		VN	-20	2.25	0.001299	± 2.5	PASS
		VN	-10	4.34	0.002505	± 2.5	PASS
		VN	0	0.75	0.000433	± 2.5	PASS
		VN	10	3.07	0.001772	± 2.5	PASS
		VN	20	2.78	0.001605	± 2.5	PASS
		VN	30	4.54	0.002620	± 2.5	PASS
		VN	40	1.12	0.000646	± 2.5	PASS
		VN	50	-1.73	-0.000999	± 2.5	PASS
	MCH	VN	-30	4.4	0.002509	± 2.5	PASS
		VN	-20	1.5	0.000855	± 2.5	PASS
		VN	-10	4.57	0.002606	± 2.5	PASS
		VN	0	1.12	0.000639	± 2.5	PASS
		VN	10	4.48	0.002555	± 2.5	PASS
		VN	20	1.6	0.000912	± 2.5	PASS
		VN	30	3.34	0.001905	± 2.5	PASS
		VN	40	3.54	0.002019	± 2.5	PASS
		VN	50	2.72	0.001551	± 2.5	PASS
	HCH	VN	-30	-3.26	-0.001859	± 2.5	PASS
		VN	-20	0.6	0.000342	± 2.5	PASS
		VN	-10	-1.98	-0.001129	± 2.5	PASS
		VN	0	1.46	0.000833	± 2.5	PASS
		VN	10	4.31	0.002458	± 2.5	PASS
		VN	20	-3.03	-0.001728	± 2.5	PASS
		VN	30	1.88	0.001072	± 2.5	PASS
		VN	40	2.99	0.001705	± 2.5	PASS
		VN	50	-1.69	-0.000964	± 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	2.69	0.001571	± 2.5	PASS
		VN	TN	-0.84	-0.000491	± 2.5	PASS
		VH	TN	0.1	0.000058	± 2.5	PASS
	MCH	VL	TN	3.25	0.001876	± 2.5	PASS
		VN	TN	5.08	0.002932	± 2.5	PASS
		VH	TN	1.46	0.000843	± 2.5	PASS
	HCH	VL	TN	4.1	0.002340	± 2.5	PASS
		VN	TN	2.68	0.001529	± 2.5	PASS
		VH	TN	2.48	0.001415	± 2.5	PASS
16QAM	LCH	VL	TN	2.11	0.001232	± 2.5	PASS
		VN	TN	3.38	0.001974	± 2.5	PASS
		VH	TN	4.22	0.002464	± 2.5	PASS
	MCH	VL	TN	0.76	0.000439	± 2.5	PASS
		VN	TN	-1.25	-0.000722	± 2.5	PASS
		VH	TN	0.31	0.000179	± 2.5	PASS
	HCH	VL	TN	1.94	0.001107	± 2.5	PASS
		VN	TN	3.14	0.001792	± 2.5	PASS
		VH	TN	2.87	0.001638	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.42	0.001997	± 2.5	PASS
		VN	-20	4.64	0.002709	± 2.5	PASS
		VN	-10	2.55	0.001489	± 2.5	PASS
		VN	0	4.26	0.002488	± 2.5	PASS
		VN	10	-1.06	-0.000619	± 2.5	PASS
		VN	20	1.91	0.001115	± 2.5	PASS
		VN	30	2.57	0.001501	± 2.5	PASS
		VN	40	2.81	0.001641	± 2.5	PASS
		VN	50	-0.98	-0.000572	± 2.5	PASS
	MCH	VN	-30	3.69	0.002130	± 2.5	PASS
		VN	-20	2.15	0.001241	± 2.5	PASS
		VN	-10	-1.48	-0.000854	± 2.5	PASS
		VN	0	3.39	0.001957	± 2.5	PASS
		VN	10	4.31	0.002488	± 2.5	PASS
		VN	20	-1.94	-0.001120	± 2.5	PASS

		VN	30	-0.02	-0.000012	± 2.5	PASS
		VN	40	-1.47	-0.000848	± 2.5	PASS
		VN	50	3.35	0.001934	± 2.5	PASS
	HCH	VN	-30	4.53	0.002585	± 2.5	PASS
		VN	-20	0.02	0.000010	± 2.5	PASS
		VN	-10	-0.39	-0.000204	± 2.5	PASS
		VN	0	1.78	0.000933	± 2.5	PASS
		VN	10	-1.08	-0.000566	± 2.5	PASS
		VN	20	3.54	0.001856	± 2.5	PASS
		VN	30	1.05	0.000550	± 2.5	PASS
		VN	40	0.22	0.000115	± 2.5	PASS
		VN	50	0.12	0.000063	± 2.5	PASS
16QAM	LCH	VN	-30	3.82	0.002205	± 2.5	PASS
		VN	-20	3.48	0.002009	± 2.5	PASS
		VN	-10	3.83	0.002211	± 2.5	PASS
		VN	0	2.13	0.001229	± 2.5	PASS
		VN	10	-1.35	-0.000779	± 2.5	PASS
		VN	20	1.61	0.000929	± 2.5	PASS
		VN	30	3.08	0.001778	± 2.5	PASS
		VN	40	3.07	0.001772	± 2.5	PASS
		VN	50	-0.87	-0.000502	± 2.5	PASS
	MCH	VN	-30	1.51	0.000862	± 2.5	PASS
		VN	-20	-1.55	-0.000884	± 2.5	PASS
		VN	-10	-0.47	-0.000268	± 2.5	PASS
		VN	0	-1.83	-0.001044	± 2.5	PASS
		VN	10	-1.52	-0.000867	± 2.5	PASS
		VN	20	4.39	0.002505	± 2.5	PASS
		VN	30	-1.33	-0.000759	± 2.5	PASS
		VN	40	-1.99	-0.001136	± 2.5	PASS
		VN	50	0.89	0.000508	± 2.5	PASS
	HCH	VN	-30	-3.26	-0.001709	± 2.5	PASS
		VN	-20	4.03	0.002113	± 2.5	PASS
		VN	-10	-1.82	-0.000954	± 2.5	PASS
		VN	0	1.65	0.000865	± 2.5	PASS
		VN	10	0.69	0.000362	± 2.5	PASS
		VN	20	-3.03	-0.001588	± 2.5	PASS
		VN	30	3.49	0.001830	± 2.5	PASS
		VN	40	-0.41	-0.000215	± 2.5	PASS
		VN	50	0.85	0.000446	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-2.06	-0.001201	± 2.5	PASS
		VN	TN	-0.72	-0.000420	± 2.5	PASS
		VH	TN	-0.36	-0.000210	± 2.5	PASS
	MCH	VL	TN	4.95	0.002857	± 2.5	PASS
		VN	TN	5.08	0.002932	± 2.5	PASS
		VH	TN	1.45	0.000837	± 2.5	PASS
	HCH	VL	TN	3.96	0.002263	± 2.5	PASS
		VN	TN	1.09	0.000623	± 2.5	PASS
		VH	TN	2.62	0.001497	± 2.5	PASS
16QAM	LCH	VL	TN	3.86	0.002251	± 2.5	PASS
		VN	TN	2.16	0.001259	± 2.5	PASS
		VH	TN	-1.26	-0.000735	± 2.5	PASS
	MCH	VL	TN	0.1	0.000058	± 2.5	PASS
		VN	TN	-1.21	-0.000698	± 2.5	PASS
		VH	TN	-0.75	-0.000433	± 2.5	PASS
	HCH	VL	TN	0.52	0.000297	± 2.5	PASS
		VN	TN	-0.61	-0.000349	± 2.5	PASS
		VH	TN	1.03	0.000589	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-2.68	-0.001563	± 2.5	PASS
		VN	-20	4.04	0.002356	± 2.5	PASS
		VN	-10	-1.79	-0.001044	± 2.5	PASS
		VN	0	0.46	0.000268	± 2.5	PASS
		VN	10	-1.06	-0.000618	± 2.5	PASS
		VN	20	-0.56	-0.000327	± 2.5	PASS
		VN	30	3.89	0.002268	± 2.5	PASS
		VN	40	-0.56	-0.000327	± 2.5	PASS
		VN	50	-1.24	-0.000723	± 2.5	PASS
	MCH	VN	-30	-0.39	-0.000225	± 2.5	PASS
		VN	-20	2.52	0.001455	± 2.5	PASS
		VN	-10	-0.8	-0.000462	± 2.5	PASS
		VN	0	2.77	0.001599	± 2.5	PASS
		VN	10	4.26	0.002459	± 2.5	PASS
		VN	20	2.74	0.001582	± 2.5	PASS

		VN	30	2.54	0.001466	± 2.5	PASS
		VN	40	-1.33	-0.000768	± 2.5	PASS
		VN	50	1.65	0.000952	± 2.5	PASS
	HCH	VN	-30	4.92	0.002811	± 2.5	PASS
		VN	-20	0.7	0.000400	± 2.5	PASS
		VN	-10	-0.26	-0.000149	± 2.5	PASS
		VN	0	-0.16	-0.000091	± 2.5	PASS
		VN	10	2.02	0.001154	± 2.5	PASS
		VN	20	0.34	0.000194	± 2.5	PASS
		VN	30	-0.12	-0.000069	± 2.5	PASS
		VN	40	1.58	0.000903	± 2.5	PASS
		VN	50	-0.02	-0.000011	± 2.5	PASS
QPSK	LCH	VN	-30	2.33	0.001345	± 2.5	PASS
		VN	-20	3.64	0.002101	± 2.5	PASS
		VN	-10	2.28	0.001316	± 2.5	PASS
		VN	0	4.81	0.002776	± 2.5	PASS
		VN	10	1.91	0.001102	± 2.5	PASS
		VN	20	2.81	0.001622	± 2.5	PASS
		VN	30	-1.39	-0.000802	± 2.5	PASS
		VN	40	-0.4	-0.000231	± 2.5	PASS
		VN	50	4.31	0.002488	± 2.5	PASS
	MCH	VN	-30	0.68	0.000389	± 2.5	PASS
		VN	-20	0.26	0.000149	± 2.5	PASS
		VN	-10	-0.94	-0.000537	± 2.5	PASS
		VN	0	1.74	0.000994	± 2.5	PASS
		VN	10	2.55	0.001457	± 2.5	PASS
		VN	20	0.26	0.000149	± 2.5	PASS
		VN	30	-0.15	-0.000086	± 2.5	PASS
		VN	40	-0.48	-0.000274	± 2.5	PASS
		VN	50	1.68	0.000960	± 2.5	PASS
	HCH	VN	-30	-3.26	-0.001863	± 2.5	PASS
		VN	-20	3.22	0.001840	± 2.5	PASS
		VN	-10	1.65	0.000943	± 2.5	PASS
		VN	0	-0.35	-0.000200	± 2.5	PASS
		VN	10	0.18	0.000103	± 2.5	PASS
		VN	20	-3.03	-0.001731	± 2.5	PASS
		VN	30	0.91	0.000520	± 2.5	PASS
		VN	40	1.92	0.001097	± 2.5	PASS
		VN	50	-1.37	-0.000783	± 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	-0.64	-0.000373	± 2.5	PASS
		VN	TN	1.48	0.000862	± 2.5	PASS
		VH	TN	-1.71	-0.000996	± 2.5	PASS
	MCH	VL	TN	-1.14	-0.000658	± 2.5	PASS
		VN	TN	5.08	0.002932	± 2.5	PASS
		VH	TN	-0.46	-0.000266	± 2.5	PASS
	HCH	VL	TN	-1.29	-0.000738	± 2.5	PASS
		VN	TN	1.36	0.000778	± 2.5	PASS
		VH	TN	2.16	0.001236	± 2.5	PASS
16QAM	LCH	VL	TN	-1.67	-0.000972	± 2.5	PASS
		VN	TN	4.74	0.002760	± 2.5	PASS
		VH	TN	2.75	0.001601	± 2.5	PASS
	MCH	VL	TN	-1.17	-0.000675	± 2.5	PASS
		VN	TN	1.63	0.000941	± 2.5	PASS
		VH	TN	-1.64	-0.000947	± 2.5	PASS
	HCH	VL	TN	1.11	0.000635	± 2.5	PASS
		VN	TN	0.45	0.000258	± 2.5	PASS
		VH	TN	0.22	0.000126	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.37	-0.000215	± 2.5	PASS
		VN	-20	0.68	0.000396	± 2.5	PASS
		VN	-10	3.57	0.002079	± 2.5	PASS
		VN	0	-1.31	-0.000763	± 2.5	PASS
		VN	10	3.51	0.002044	± 2.5	PASS
		VN	20	3.06	0.001782	± 2.5	PASS
		VN	30	-1.55	-0.000902	± 2.5	PASS
		VN	40	3.77	0.002195	± 2.5	PASS
		VN	50	-0.37	-0.000215	± 2.5	PASS
	MCH	VN	-30	1.99	0.001149	± 2.5	PASS
		VN	-20	-0.89	-0.000514	± 2.5	PASS
		VN	-10	1.94	0.001120	± 2.5	PASS
		VN	0	-0.59	-0.000341	± 2.5	PASS
		VN	10	0.7	0.000404	± 2.5	PASS
		VN	20	-0.73	-0.000421	± 2.5	PASS

		VN	30	-1.28	-0.000739	± 2.5	PASS
		VN	40	3.47	0.002003	± 2.5	PASS
		VN	50	3.49	0.002014	± 2.5	PASS
	HCH	VN	-30	-0.69	-0.000395	± 2.5	PASS
		VN	-20	1.59	0.000910	± 2.5	PASS
		VN	-10	1.36	0.000778	± 2.5	PASS
		VN	0	3.5	0.002003	± 2.5	PASS
		VN	10	1.53	0.000876	± 2.5	PASS
		VN	20	4.07	0.002329	± 2.5	PASS
		VN	30	1.25	0.000715	± 2.5	PASS
		VN	40	4.53	0.002592	± 2.5	PASS
		VN	50	-1.8	-0.001030	± 2.5	PASS
QPSK	LCH	VN	-30	3.04	0.001755	± 2.5	PASS
		VN	-20	-0.45	-0.000260	± 2.5	PASS
		VN	-10	1.66	0.000958	± 2.5	PASS
		VN	0	4.07	0.002349	± 2.5	PASS
		VN	10	2.83	0.001633	± 2.5	PASS
		VN	20	-0.55	-0.000317	± 2.5	PASS
		VN	30	2.54	0.001466	± 2.5	PASS
		VN	40	-1.88	-0.001085	± 2.5	PASS
		VN	50	-0.5	-0.000289	± 2.5	PASS
	MCH	VN	-30	1.96	0.001122	± 2.5	PASS
		VN	-20	-1.14	-0.000652	± 2.5	PASS
		VN	-10	-1.86	-0.001064	± 2.5	PASS
		VN	0	1.59	0.000910	± 2.5	PASS
		VN	10	3.43	0.001963	± 2.5	PASS
		VN	20	3.5	0.002003	± 2.5	PASS
		VN	30	-0.1	-0.000057	± 2.5	PASS
		VN	40	0.53	0.000303	± 2.5	PASS
		VN	50	2.4	0.001373	± 2.5	PASS
	HCH	VN	-30	-3.26	-0.001866	± 2.5	PASS
		VN	-20	3.82	0.002186	± 2.5	PASS
		VN	-10	1.26	0.000721	± 2.5	PASS
		VN	0	3.15	0.001803	± 2.5	PASS
		VN	10	3.28	0.001877	± 2.5	PASS
		VN	20	-3.03	-0.001734	± 2.5	PASS
		VN	30	2.39	0.001368	± 2.5	PASS
		VN	40	2.19	0.001253	± 2.5	PASS
		VN	50	1.35	0.000773	± 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	0.21	0.000122	± 2.5	PASS
		VN	TN	-0.08	-0.000047	± 2.5	PASS
		VH	TN	1.17	0.000680	± 2.5	PASS
	MCH	VL	TN	0.4	0.000231	± 2.5	PASS
		VN	TN	5.08	0.002932	± 2.5	PASS
		VH	TN	4.37	0.002522	± 2.5	PASS
	HCH	VL	TN	3.07	0.001759	± 2.5	PASS
		VN	TN	2.57	0.001473	± 2.5	PASS
		VH	TN	-1.04	-0.000596	± 2.5	PASS
16QAM	LCH	VL	TN	4.93	0.002866	± 2.5	PASS
		VN	TN	4.21	0.002448	± 2.5	PASS
		VH	TN	-0.67	-0.000390	± 2.5	PASS
	MCH	VL	TN	1.8	0.001039	± 2.5	PASS
		VN	TN	-0.34	-0.000196	± 2.5	PASS
		VH	TN	4.93	0.002846	± 2.5	PASS
	HCH	VL	TN	1.46	0.000837	± 2.5	PASS
		VN	TN	2.13	0.001221	± 2.5	PASS
		VH	TN	3.96	0.002269	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.07	-0.000041	± 2.5	PASS
		VN	-20	-1.43	-0.000831	± 2.5	PASS
		VN	-10	2.83	0.001645	± 2.5	PASS
		VN	0	0.73	0.000424	± 2.5	PASS
		VN	10	0.36	0.000209	± 2.5	PASS
		VN	20	-1.01	-0.000587	± 2.5	PASS
		VN	30	1.76	0.001023	± 2.5	PASS
		VN	40	-0.98	-0.000570	± 2.5	PASS
		VN	50	2.53	0.001471	± 2.5	PASS
	MCH	VN	-30	-0.91	-0.000525	± 2.5	PASS
		VN	-20	0.62	0.000358	± 2.5	PASS
		VN	-10	4.39	0.002534	± 2.5	PASS
		VN	0	-0.05	-0.000029	± 2.5	PASS
		VN	10	-0.21	-0.000121	± 2.5	PASS
		VN	20	-1.53	-0.000883	± 2.5	PASS

		VN	30	2.82	0.001628	± 2.5	PASS
		VN	40	-1.19	-0.000687	± 2.5	PASS
		VN	50	3.51	0.002026	± 2.5	PASS
	HCH	VN	-30	0.84	0.000481	± 2.5	PASS
		VN	-20	0.73	0.000418	± 2.5	PASS
		VN	-10	3.93	0.002252	± 2.5	PASS
		VN	0	-0.45	-0.000258	± 2.5	PASS
		VN	10	3.16	0.001811	± 2.5	PASS
		VN	20	1.49	0.000854	± 2.5	PASS
		VN	30	4.5	0.002579	± 2.5	PASS
		VN	40	-1.78	-0.001020	± 2.5	PASS
		VN	50	-0.23	-0.000132	± 2.5	PASS
QPSK	LCH	VN	-30	1.44	0.000831	± 2.5	PASS
		VN	-20	-0.59	-0.000341	± 2.5	PASS
		VN	-10	0.53	0.000306	± 2.5	PASS
		VN	0	0.9	0.000519	± 2.5	PASS
		VN	10	-0.86	-0.000496	± 2.5	PASS
		VN	20	4.57	0.002638	± 2.5	PASS
		VN	30	4.18	0.002413	± 2.5	PASS
		VN	40	-1.6	-0.000924	± 2.5	PASS
		VN	50	0.66	0.000381	± 2.5	PASS
	MCH	VN	-30	-0.95	-0.000544	± 2.5	PASS
		VN	-20	-0.19	-0.000109	± 2.5	PASS
		VN	-10	2.56	0.001467	± 2.5	PASS
		VN	0	1.46	0.000837	± 2.5	PASS
		VN	10	-0.92	-0.000527	± 2.5	PASS
		VN	20	2.45	0.001404	± 2.5	PASS
		VN	30	-1.46	-0.000837	± 2.5	PASS
		VN	40	4.32	0.002476	± 2.5	PASS
		VN	50	4.93	0.002825	± 2.5	PASS
	HCH	VN	-30	-3.26	-0.001868	± 2.5	PASS
		VN	-20	3.85	0.002206	± 2.5	PASS
		VN	-10	2.5	0.001433	± 2.5	PASS
		VN	0	2.29	0.001312	± 2.5	PASS
		VN	10	3.88	0.002223	± 2.5	PASS
		VN	20	-3.03	-0.001736	± 2.5	PASS
		VN	30	-1.02	-0.000585	± 2.5	PASS
		VN	40	3.43	0.001966	± 2.5	PASS
		VN	50	4.87	0.002791	± 2.5	PASS