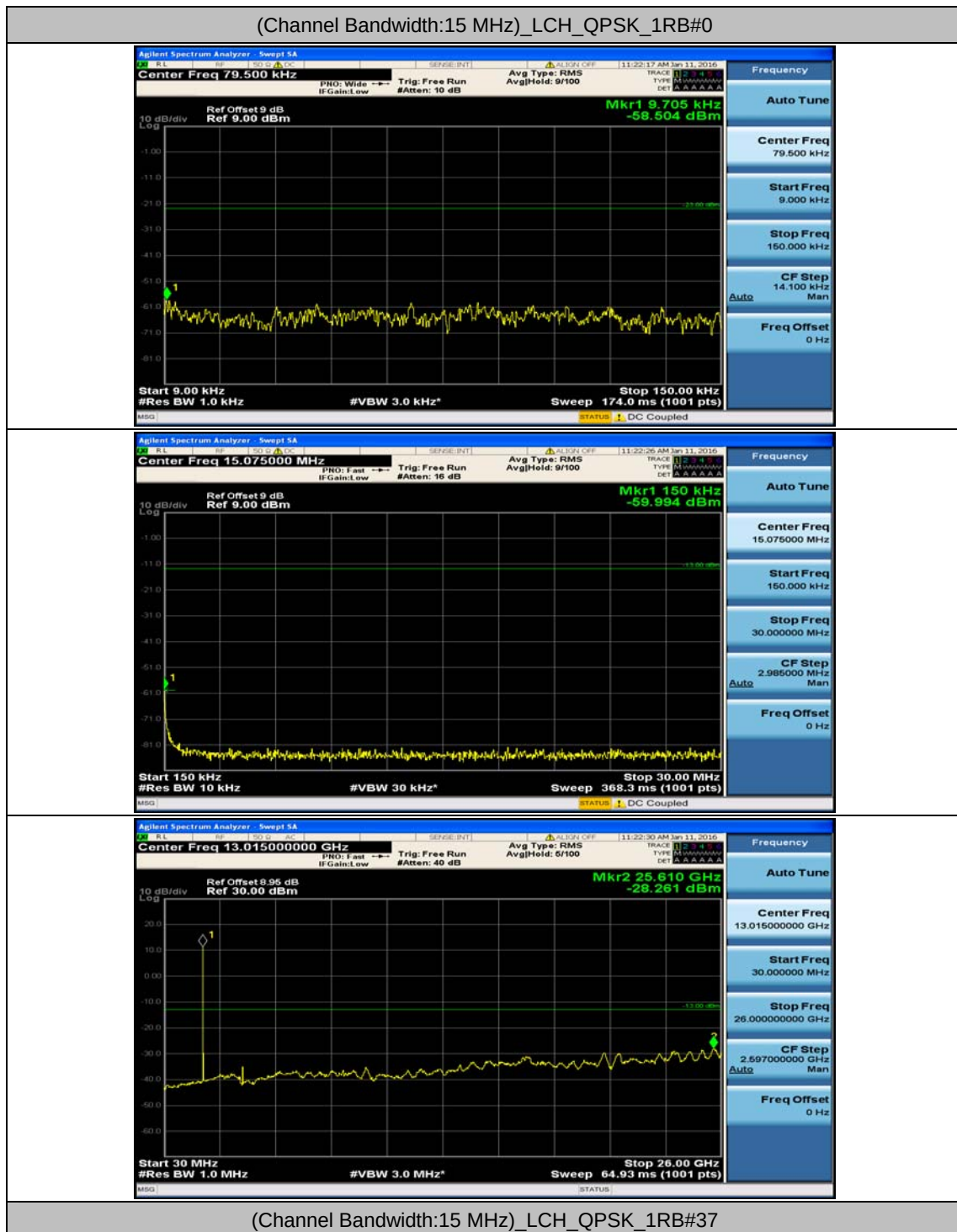
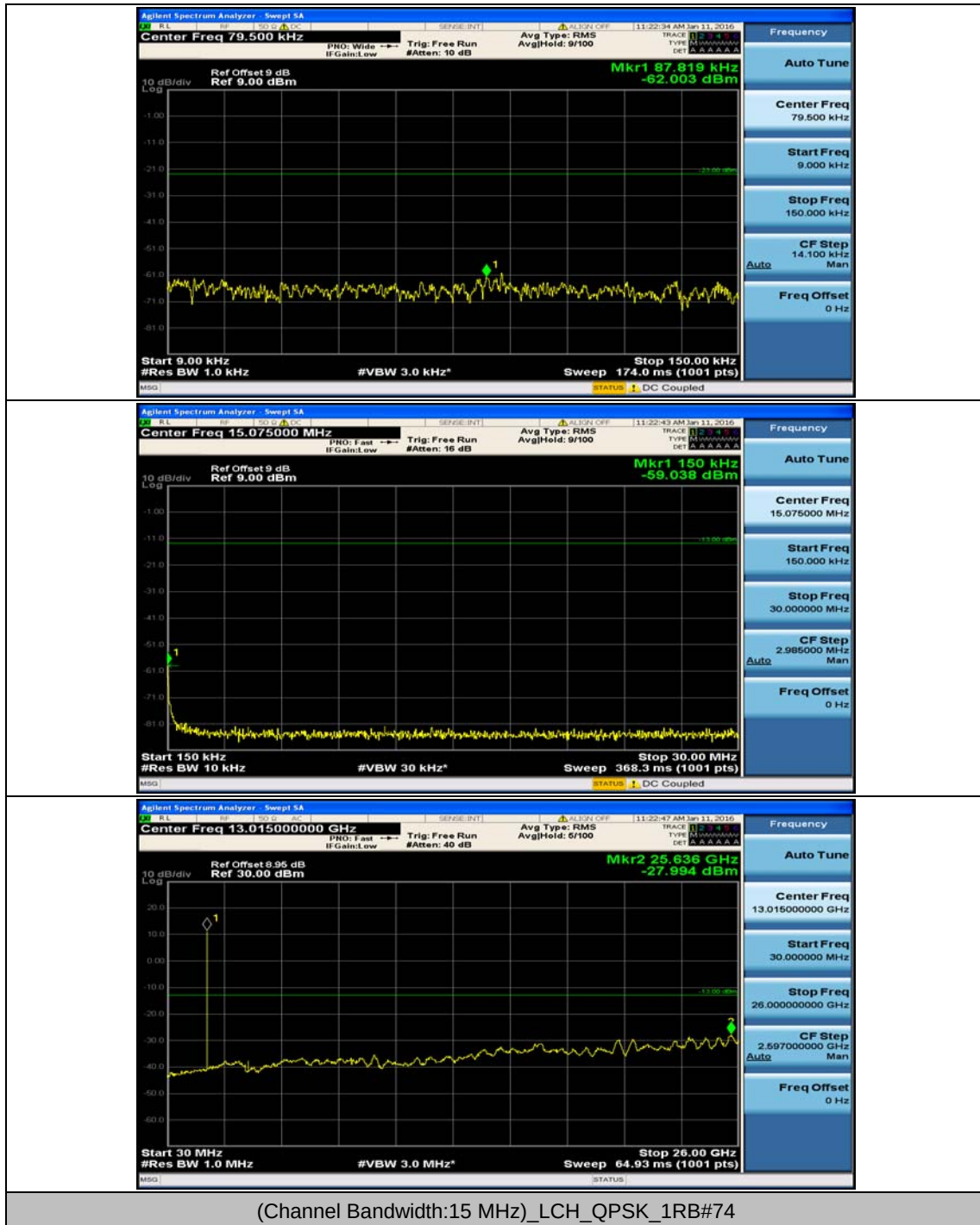
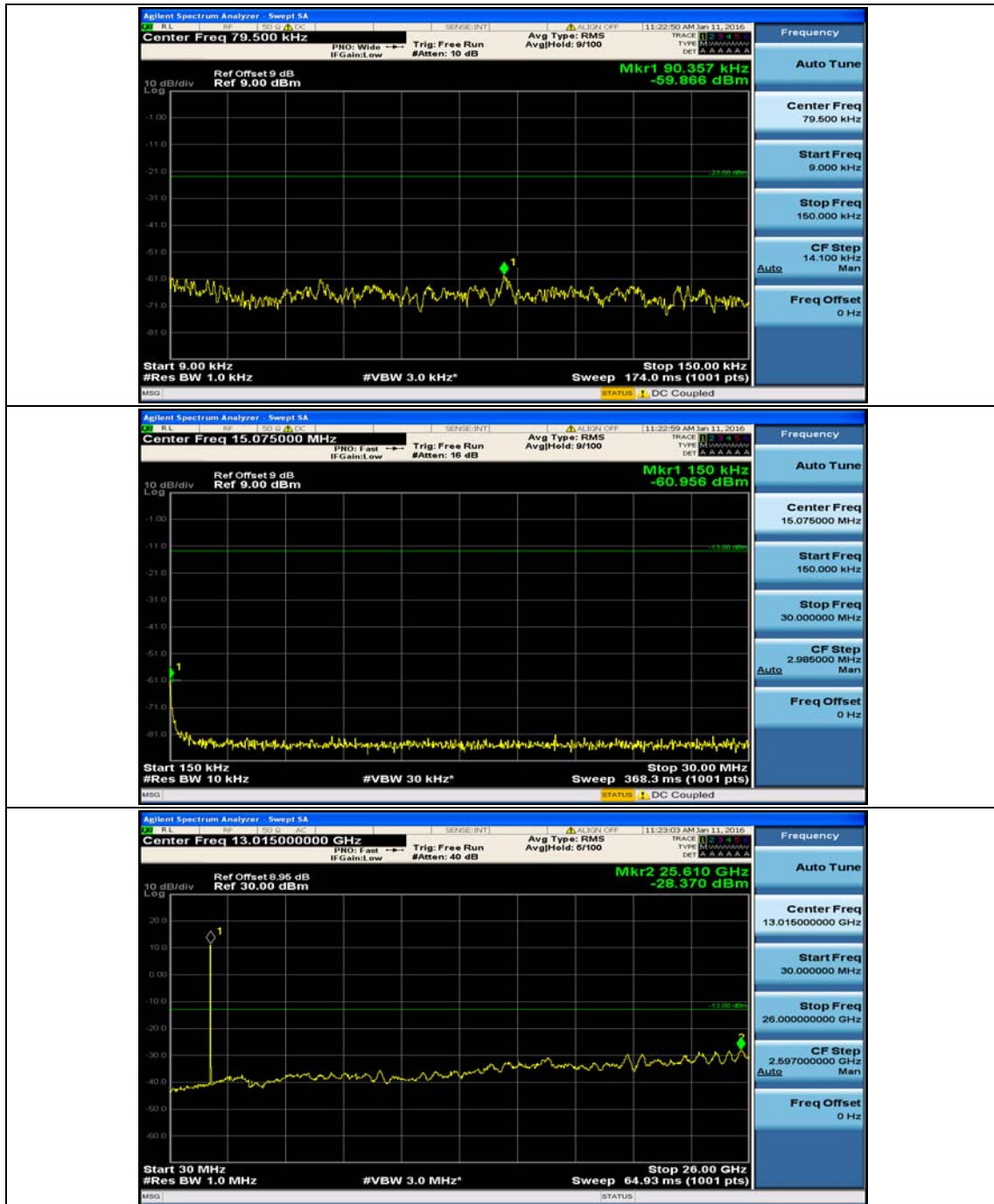


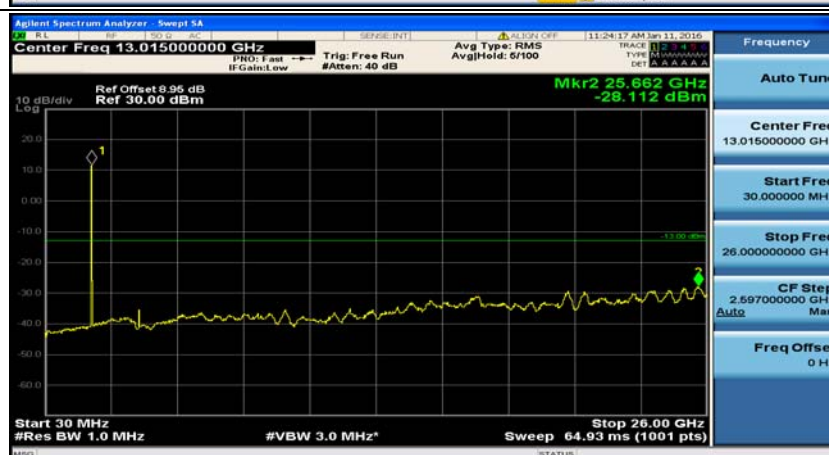
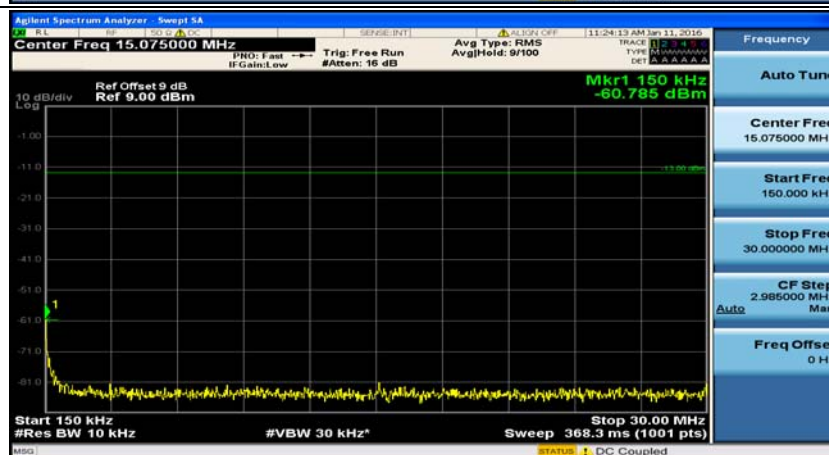
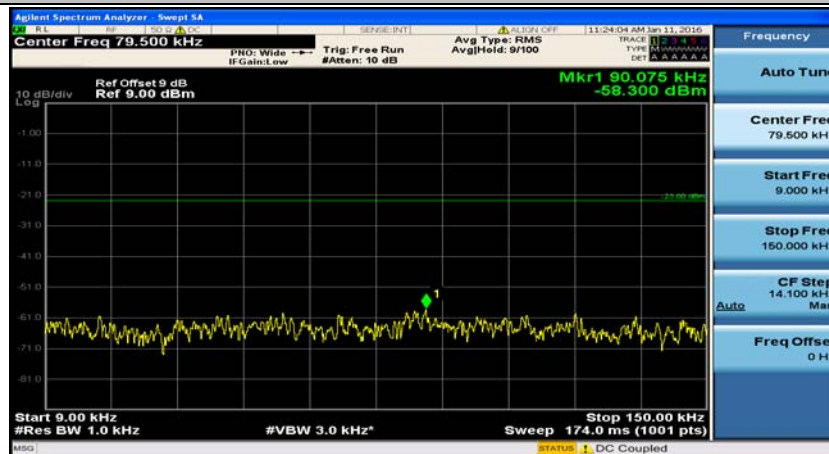
Channel Bandwidth: 15 MHz



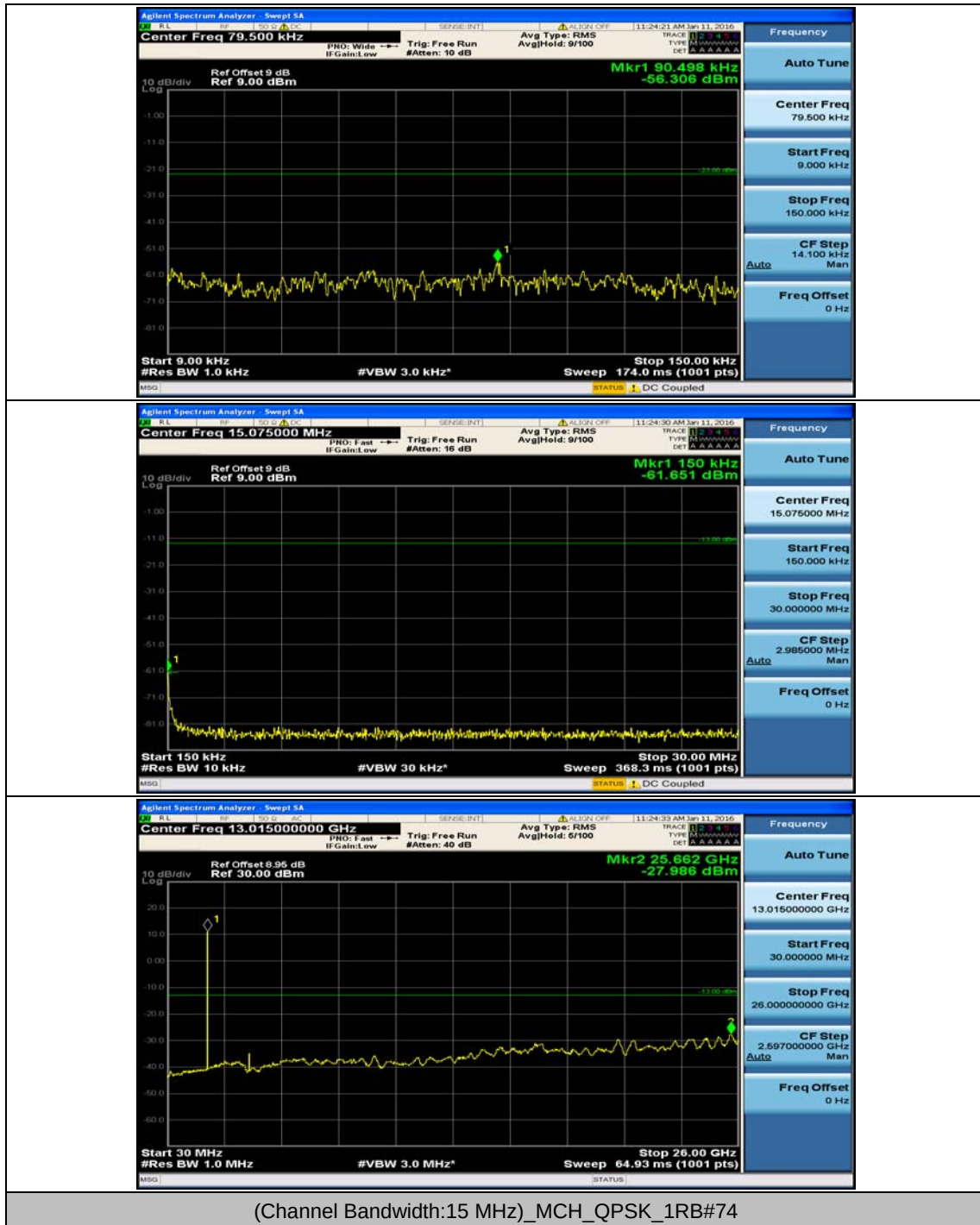


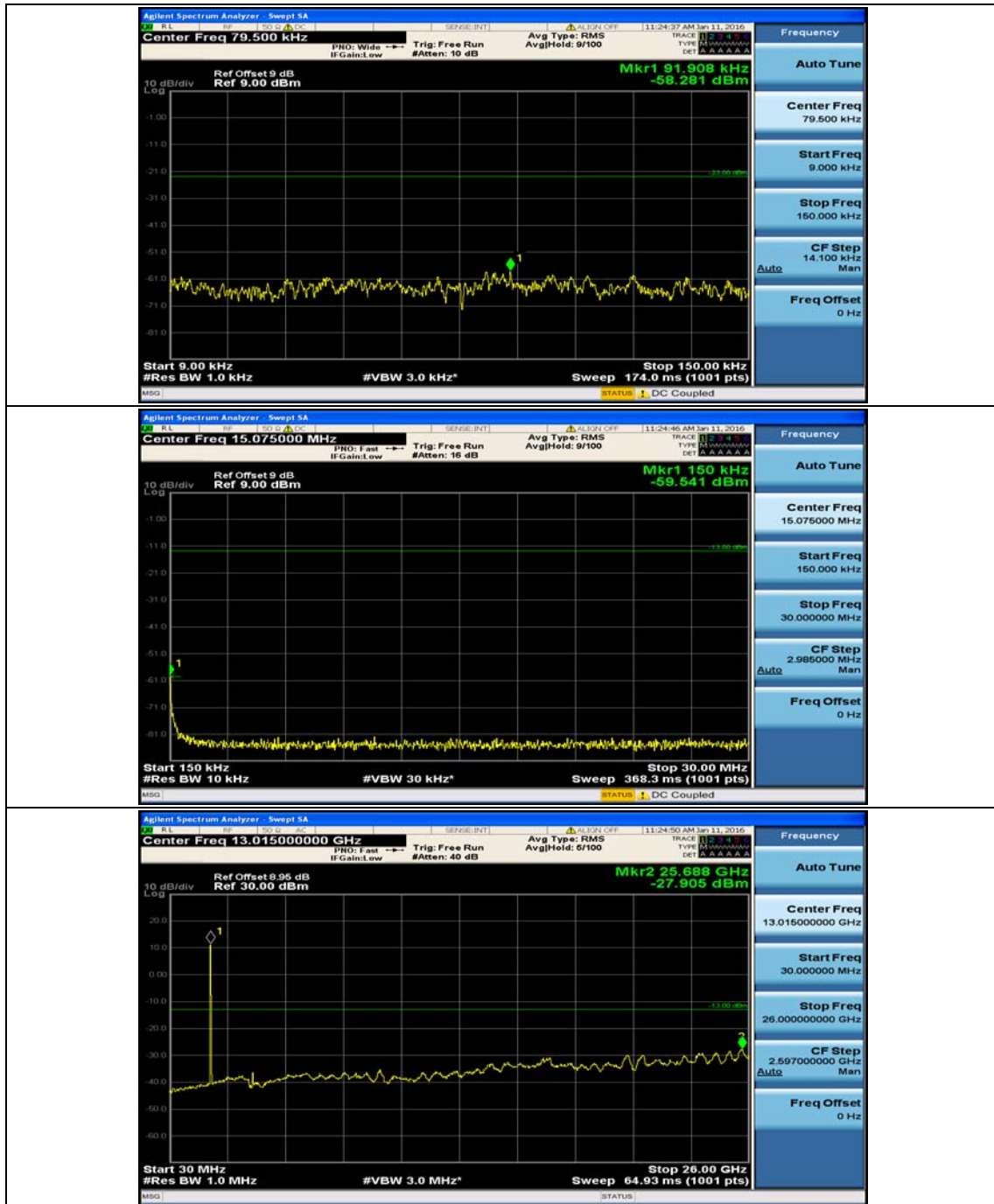


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

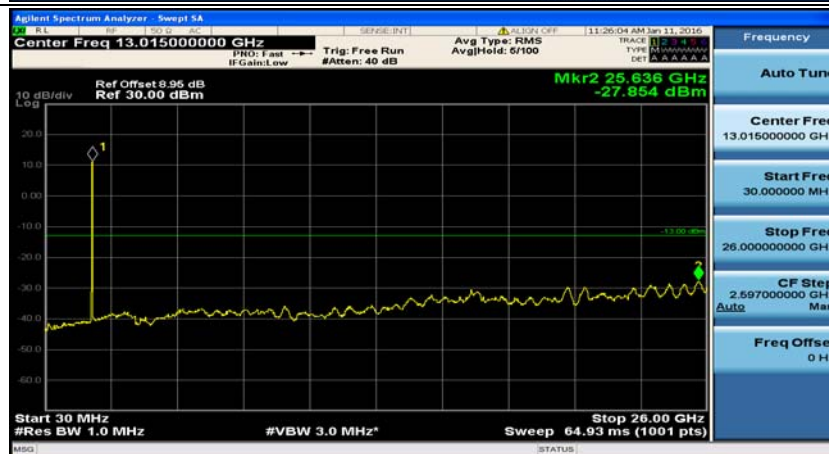
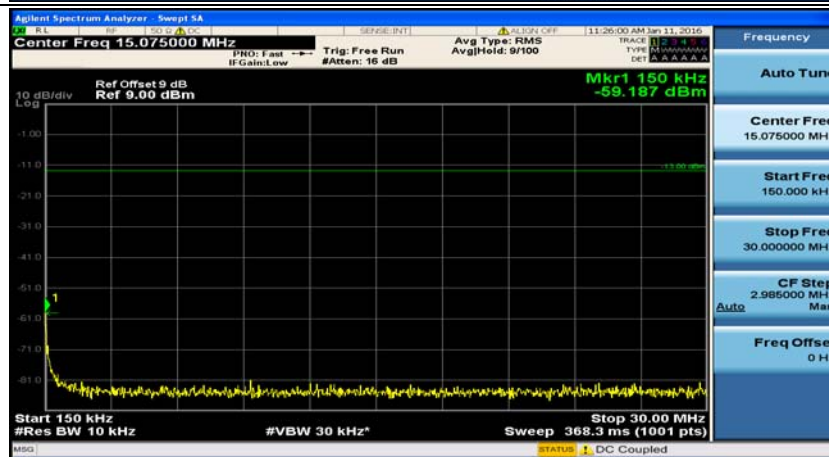
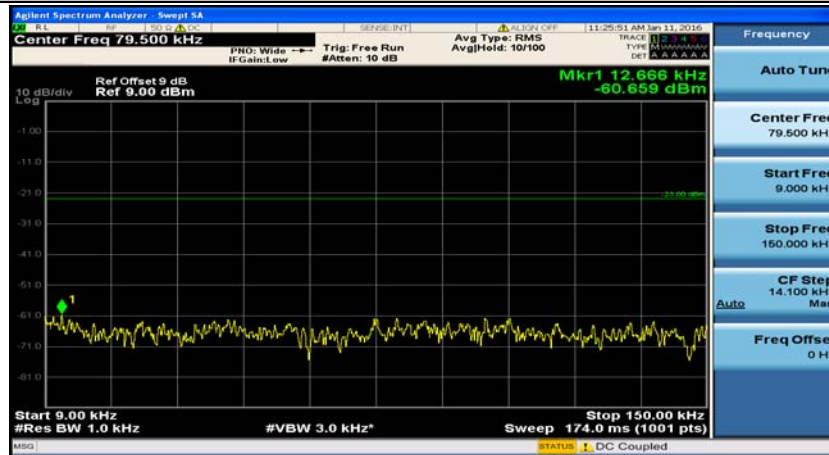


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

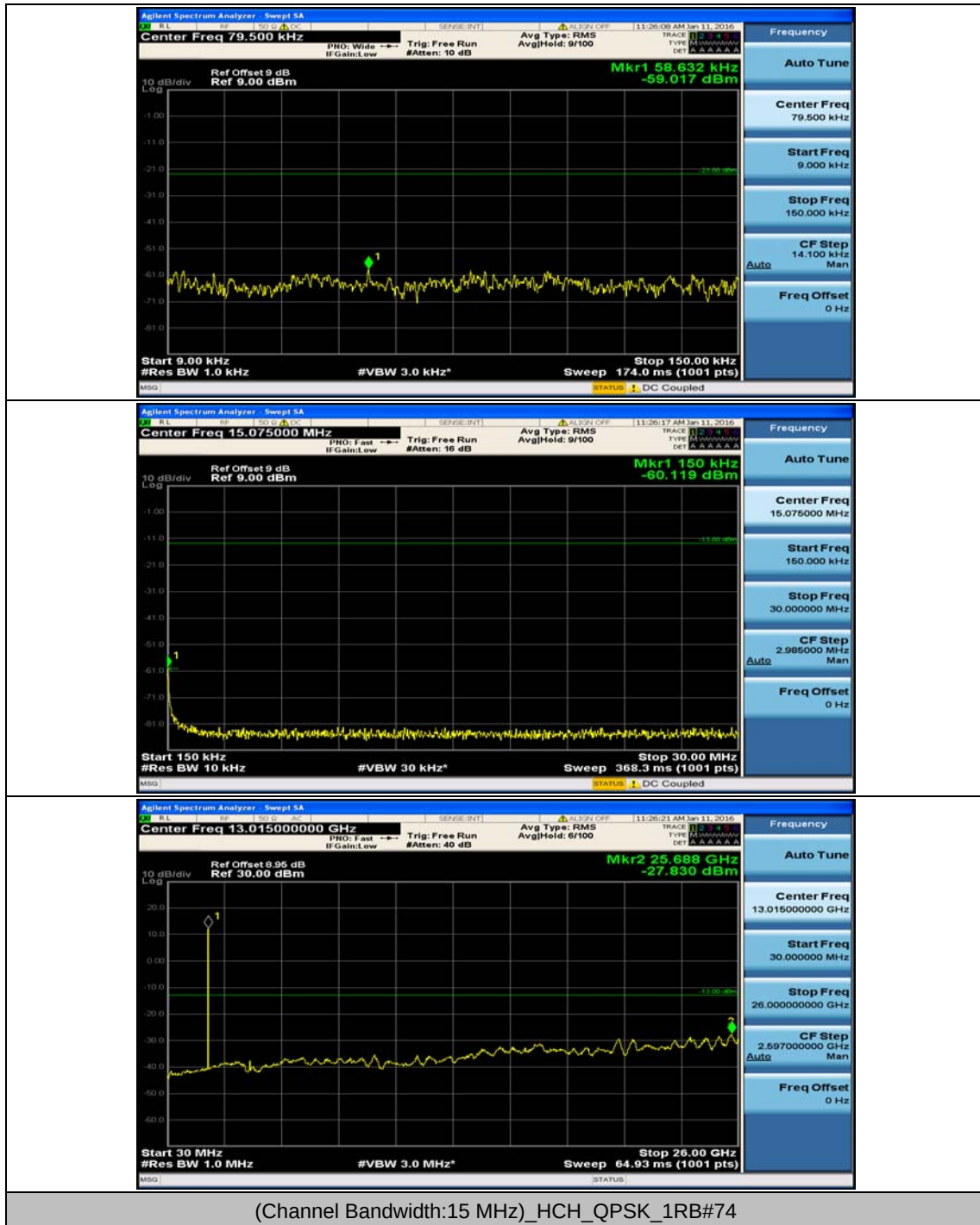


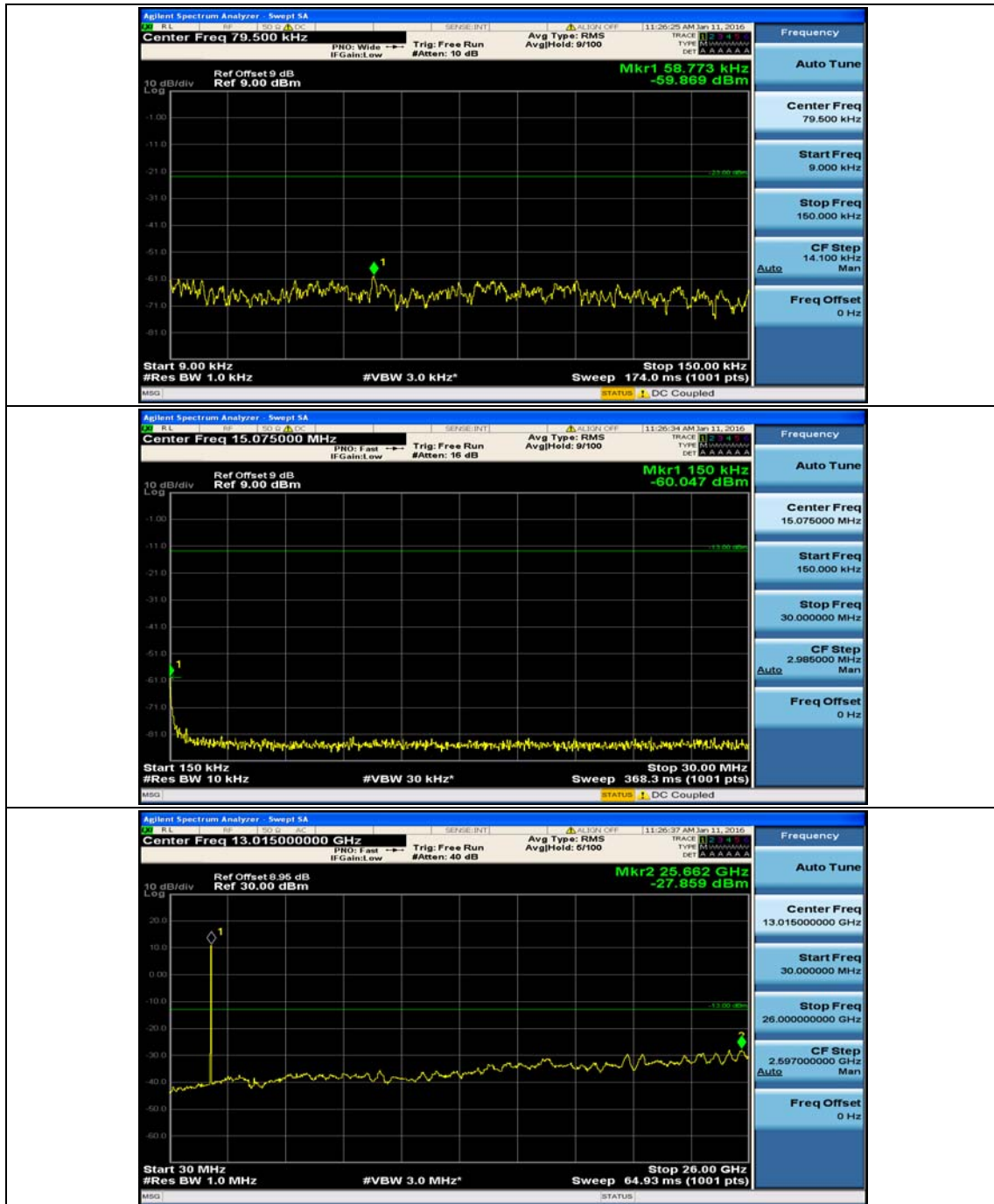


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

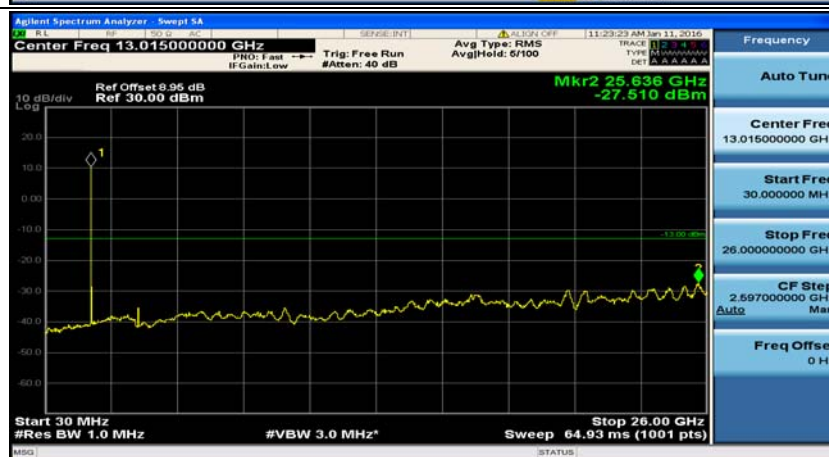
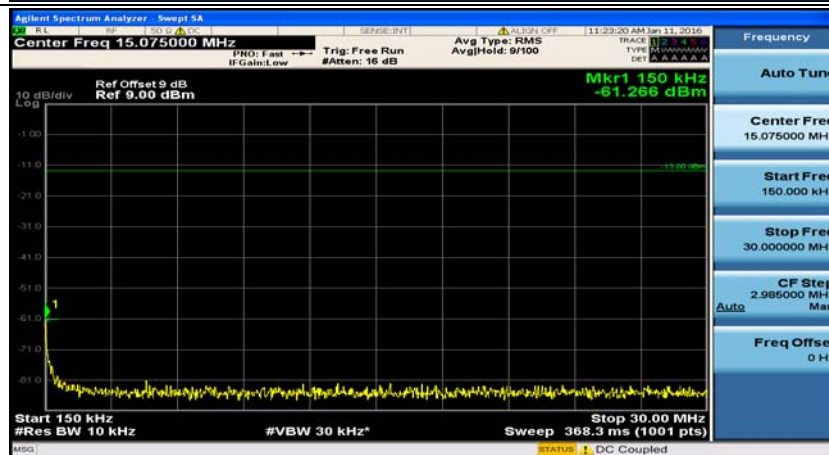
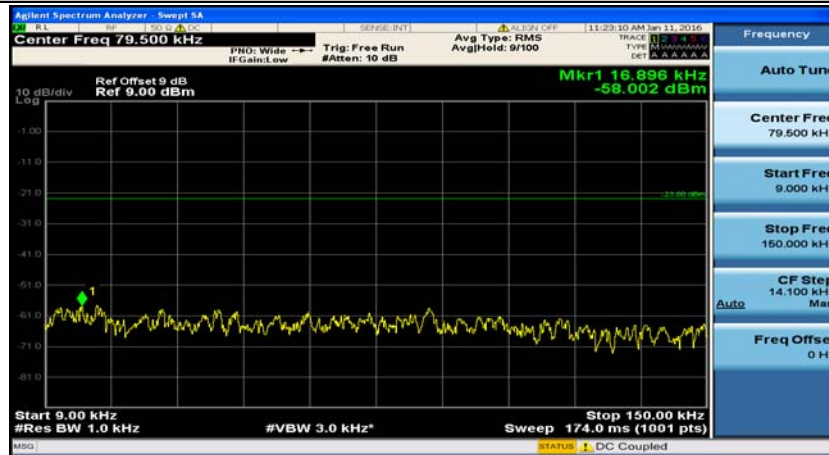


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

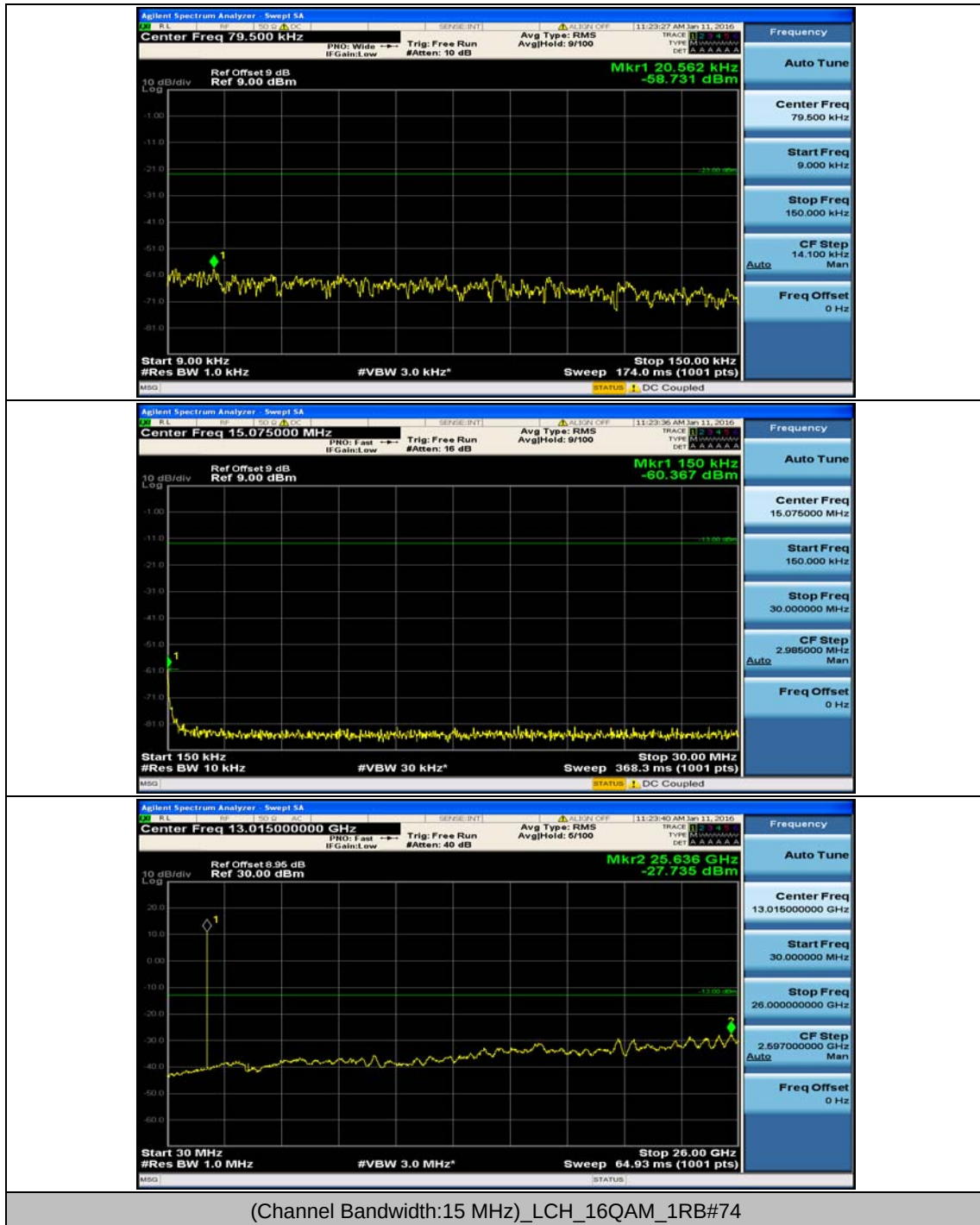


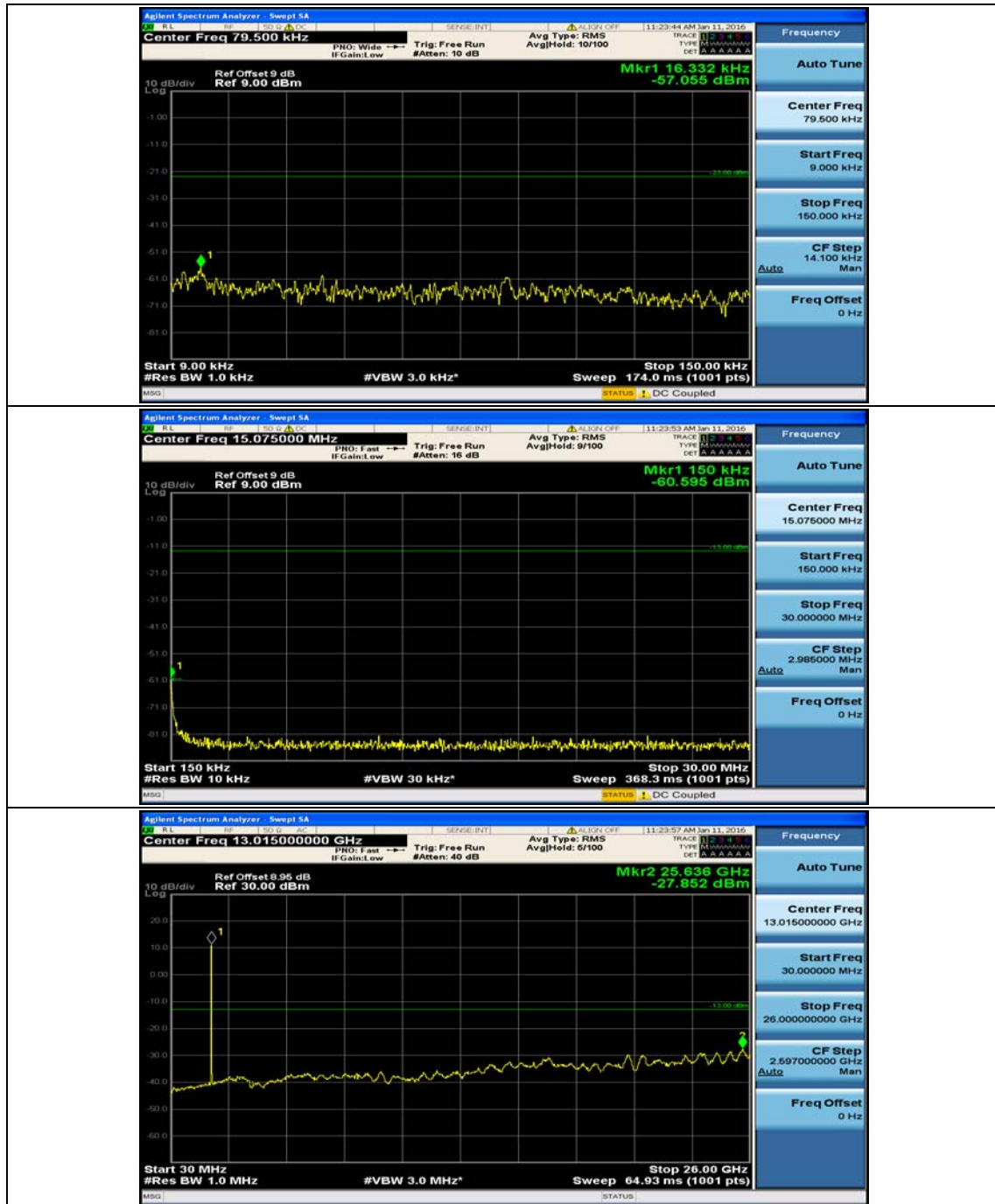


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

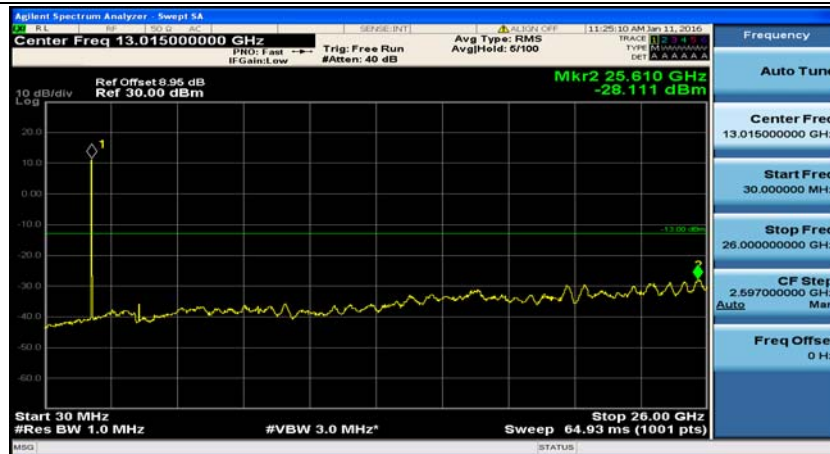


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

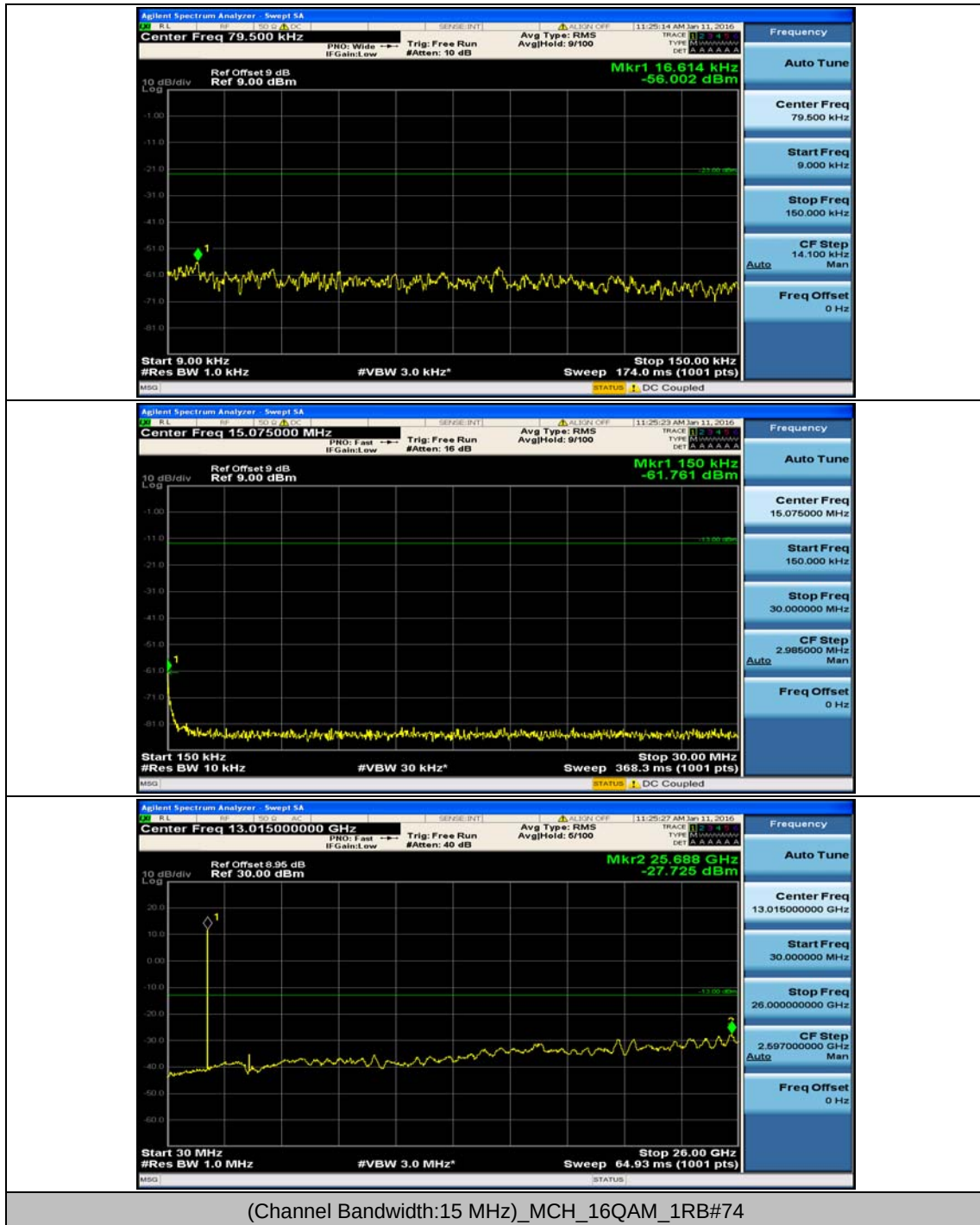


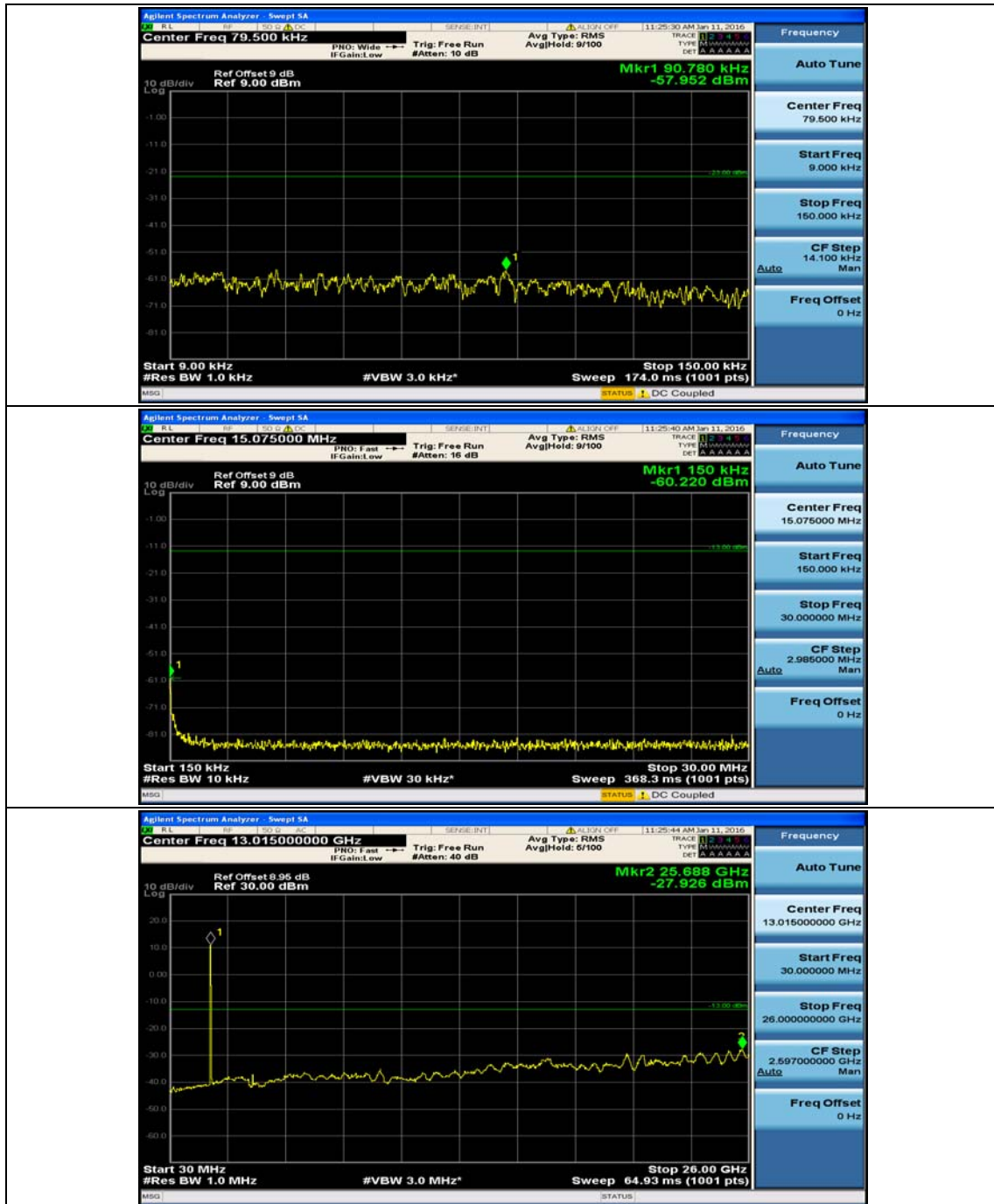


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

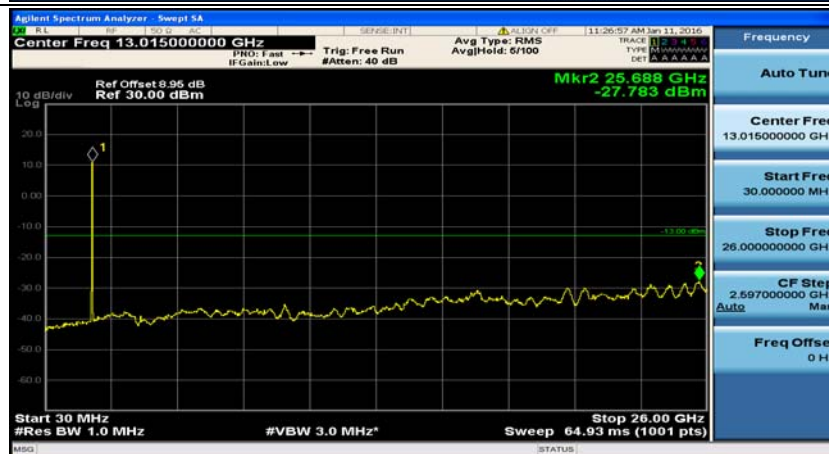
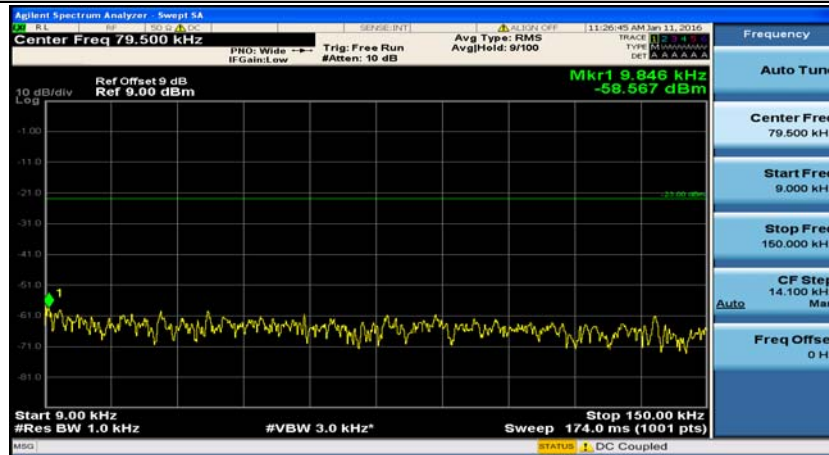


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

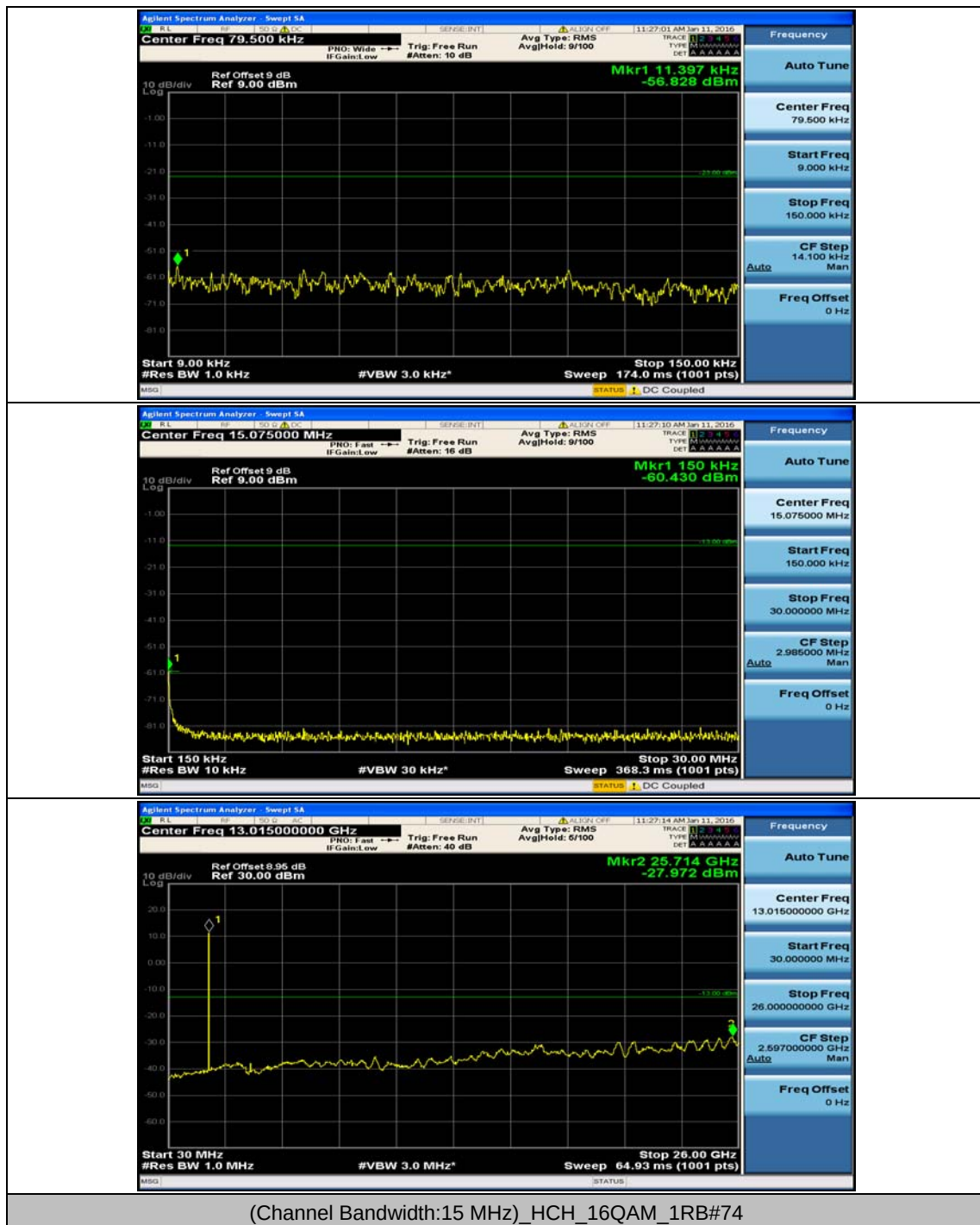


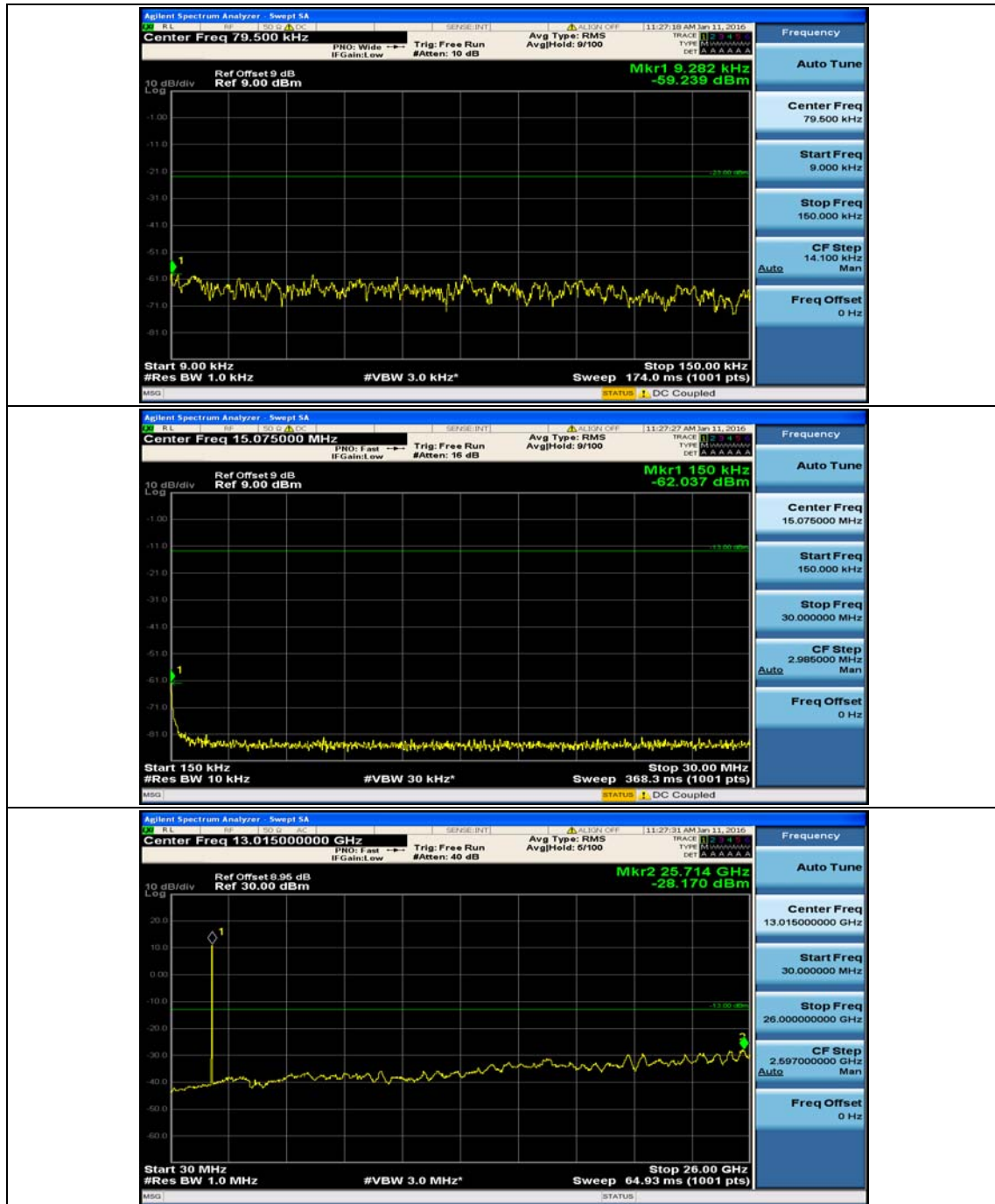


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

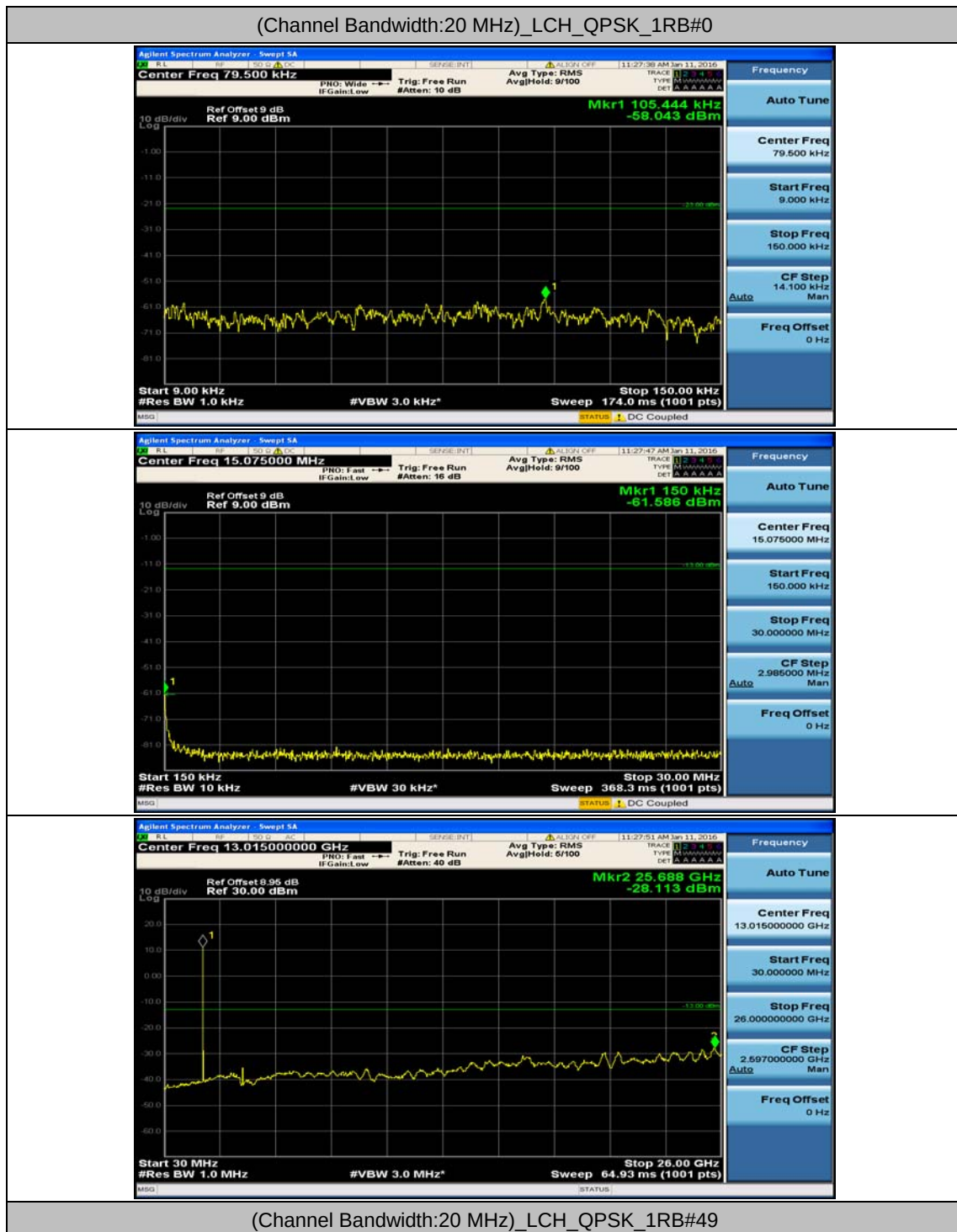


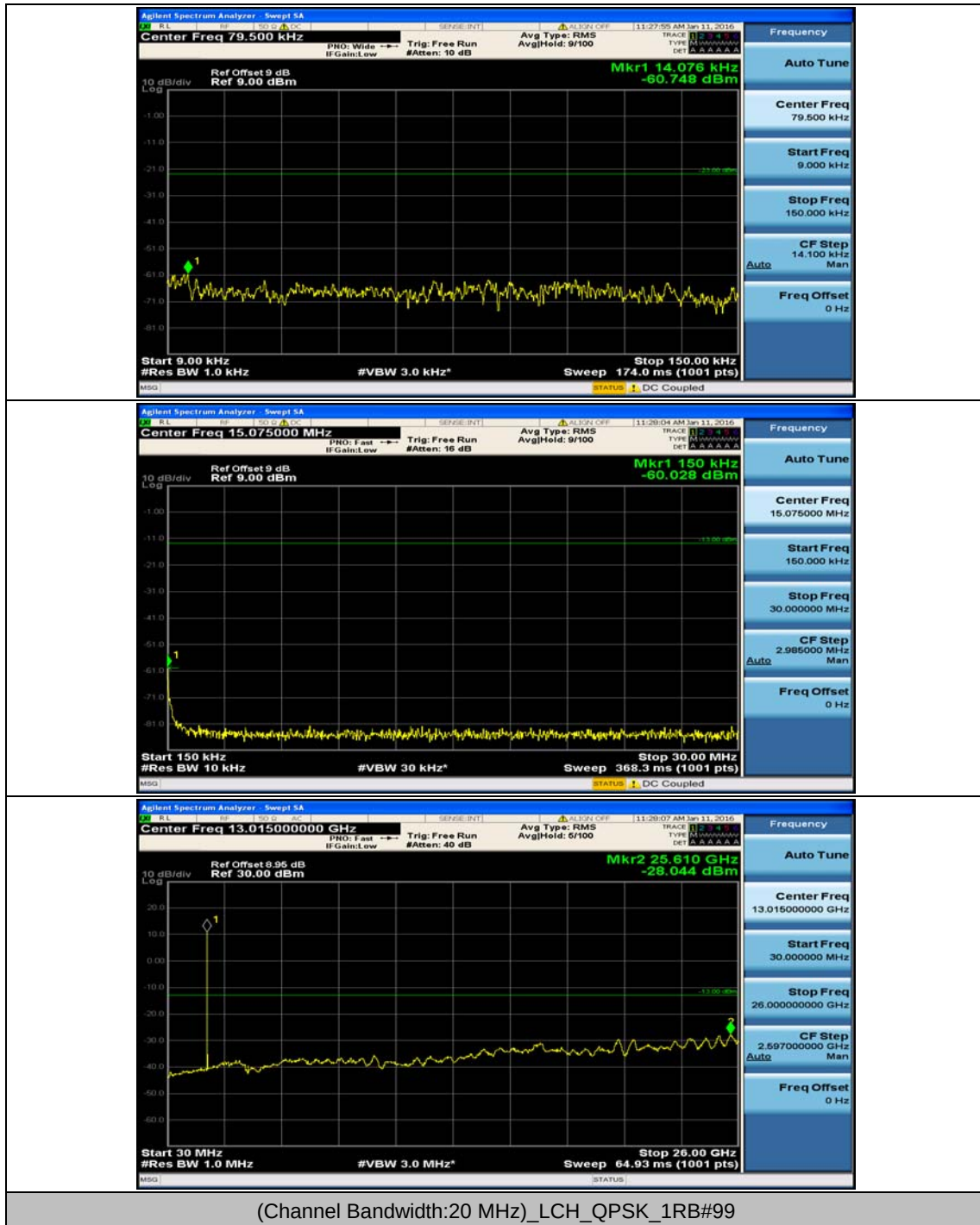
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

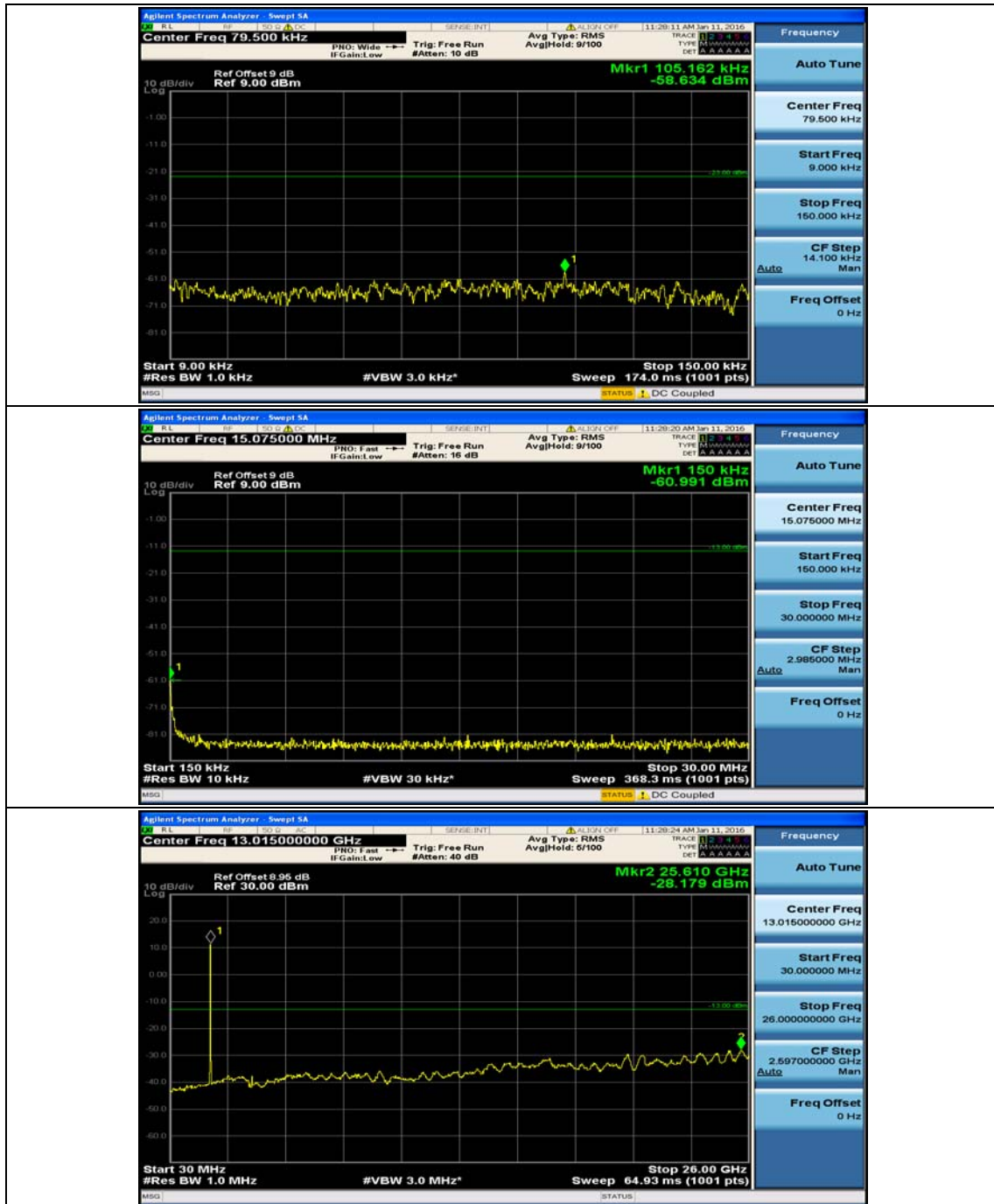




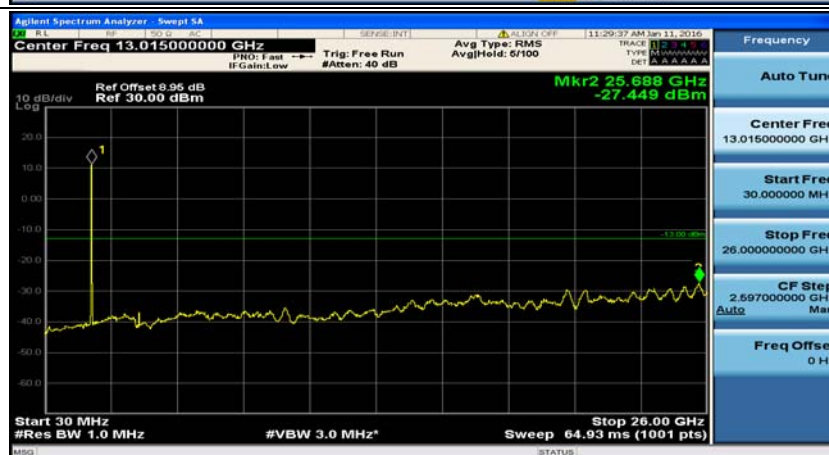
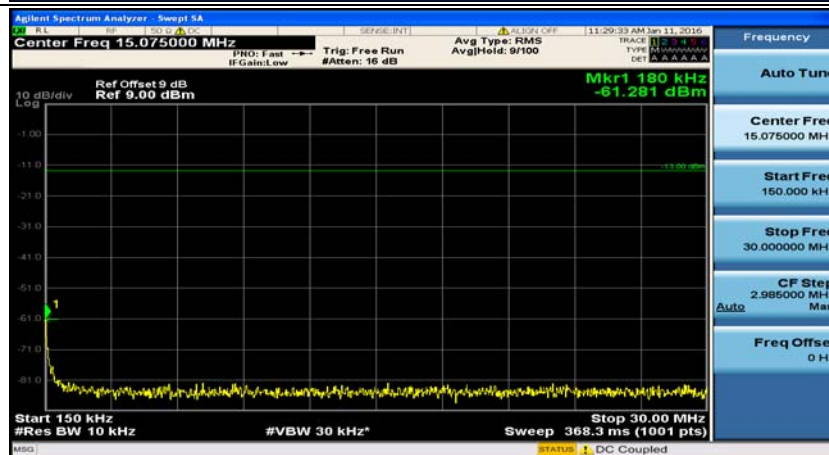
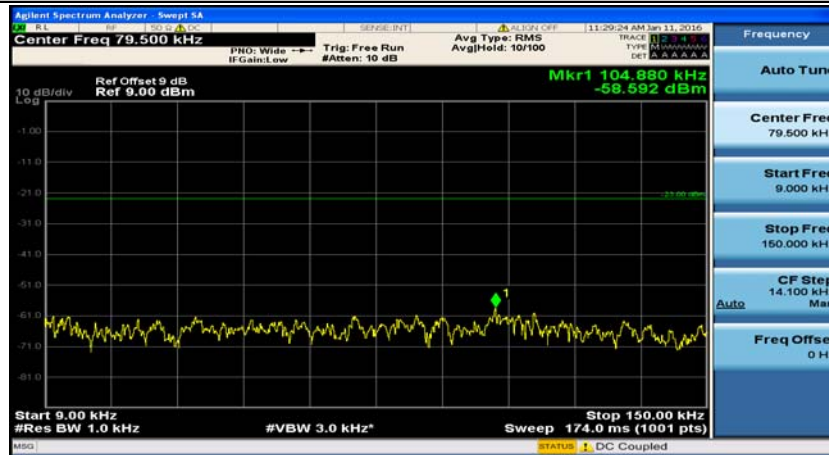
Channel Bandwidth: 20 MHz



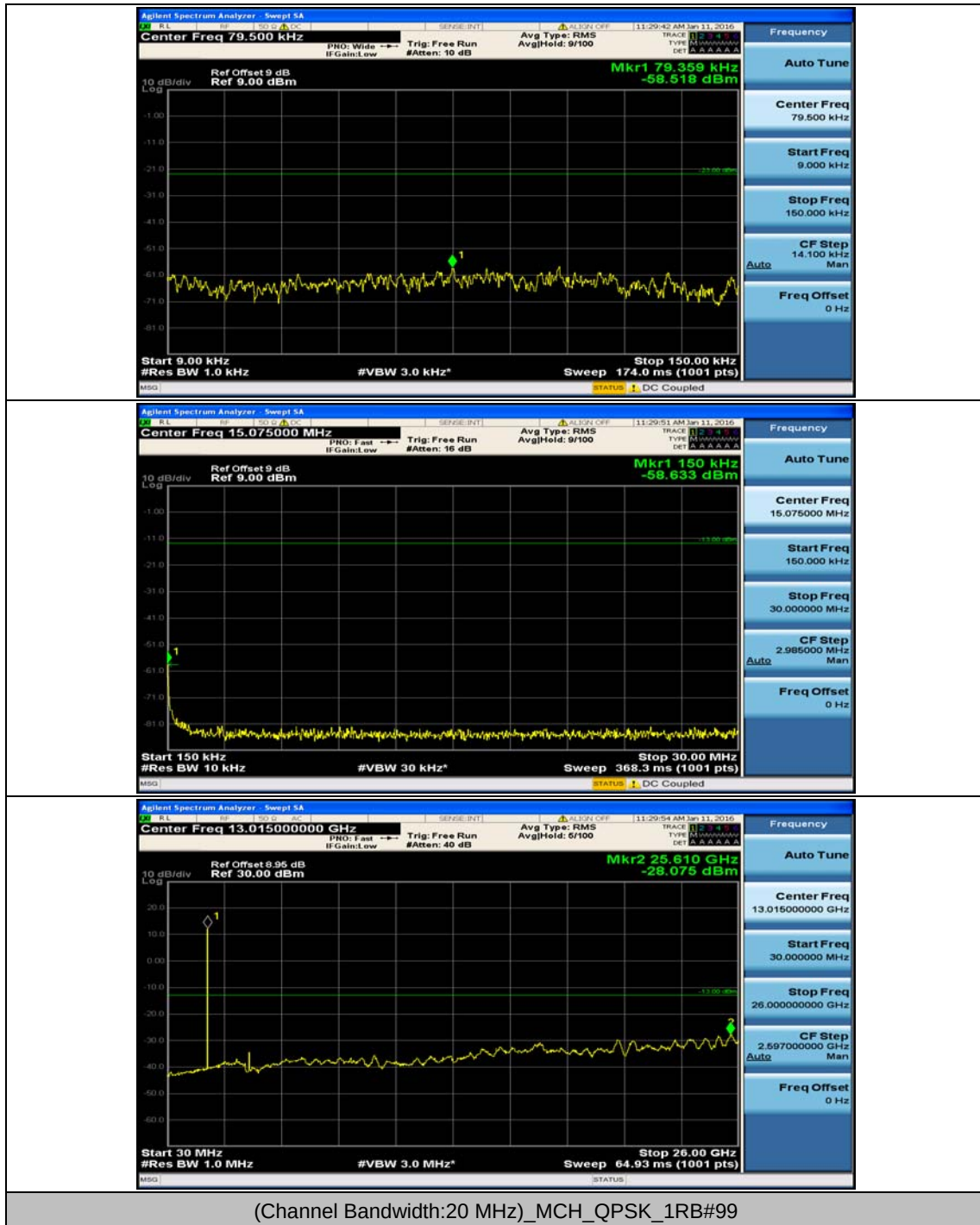


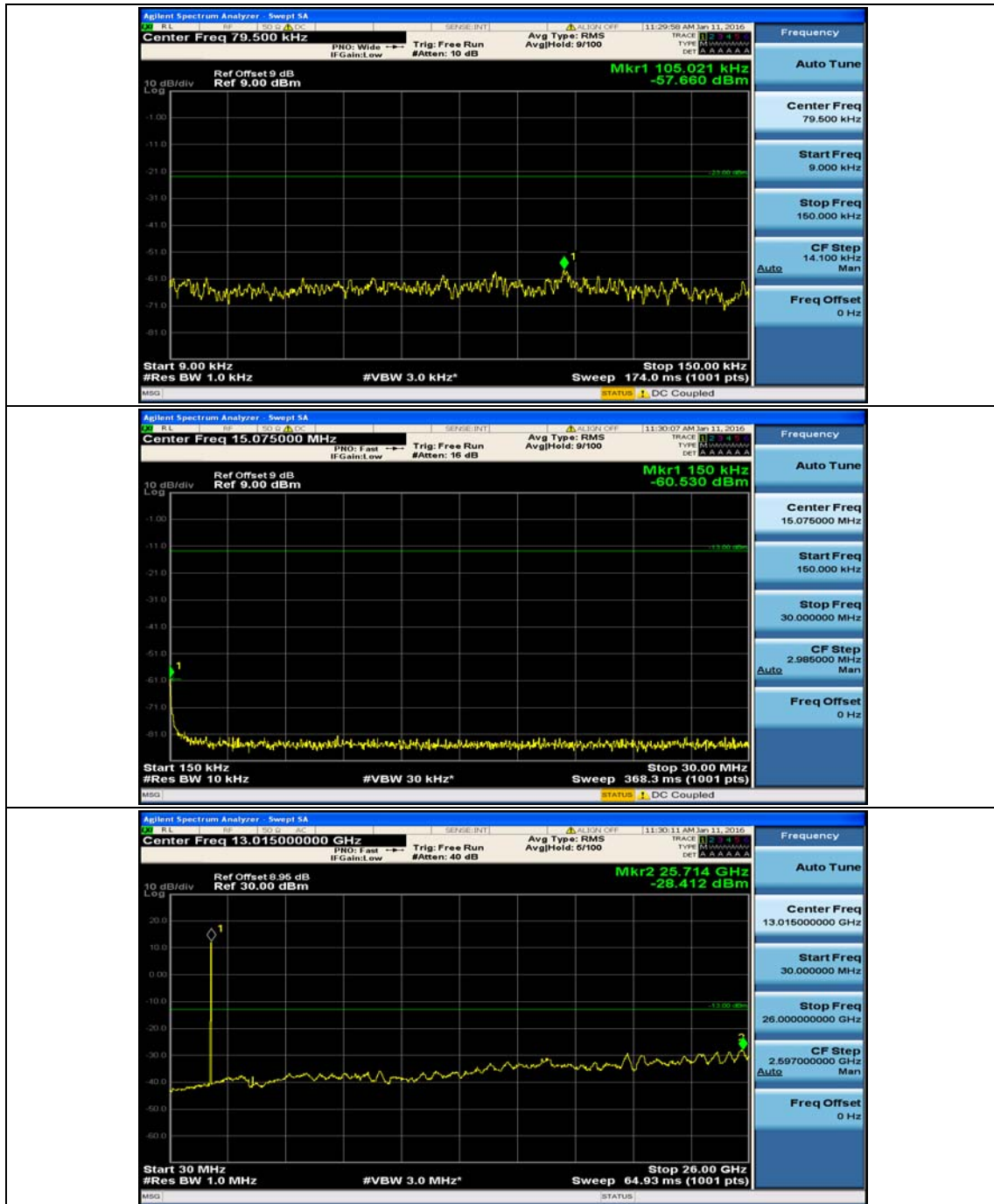


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

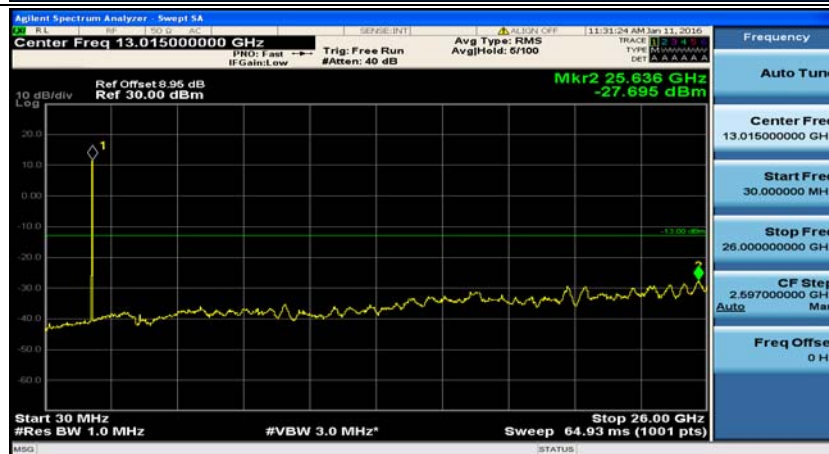
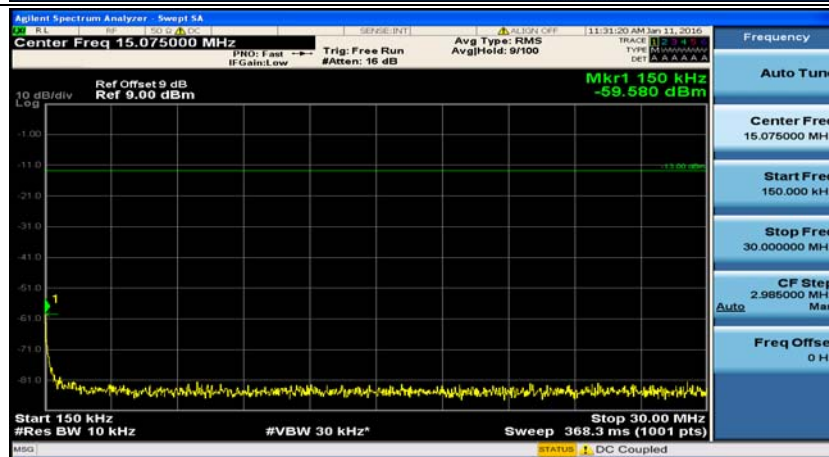
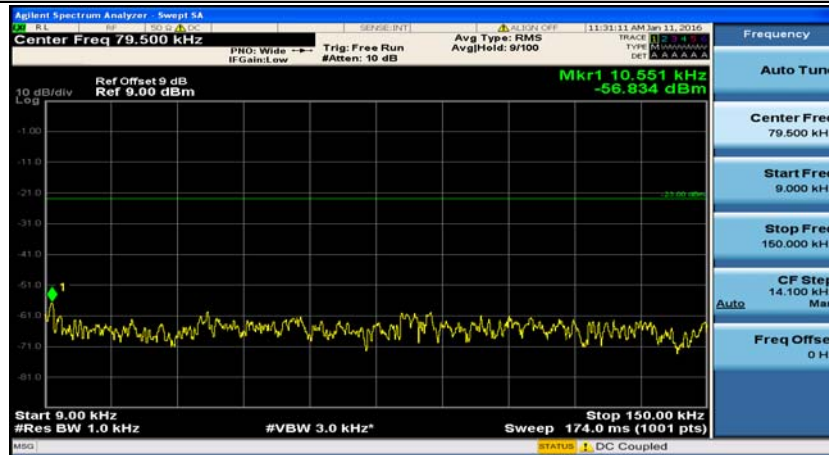


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

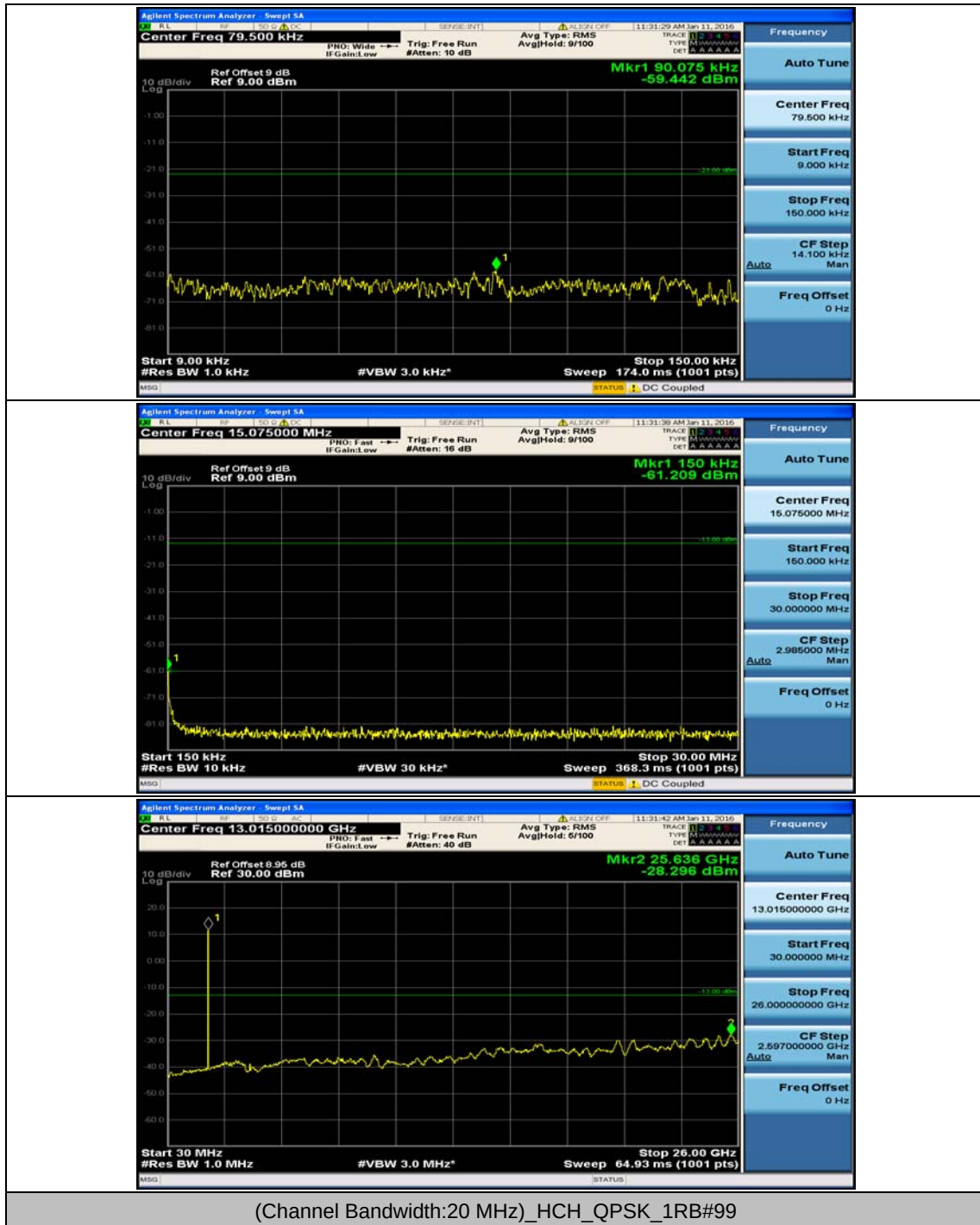


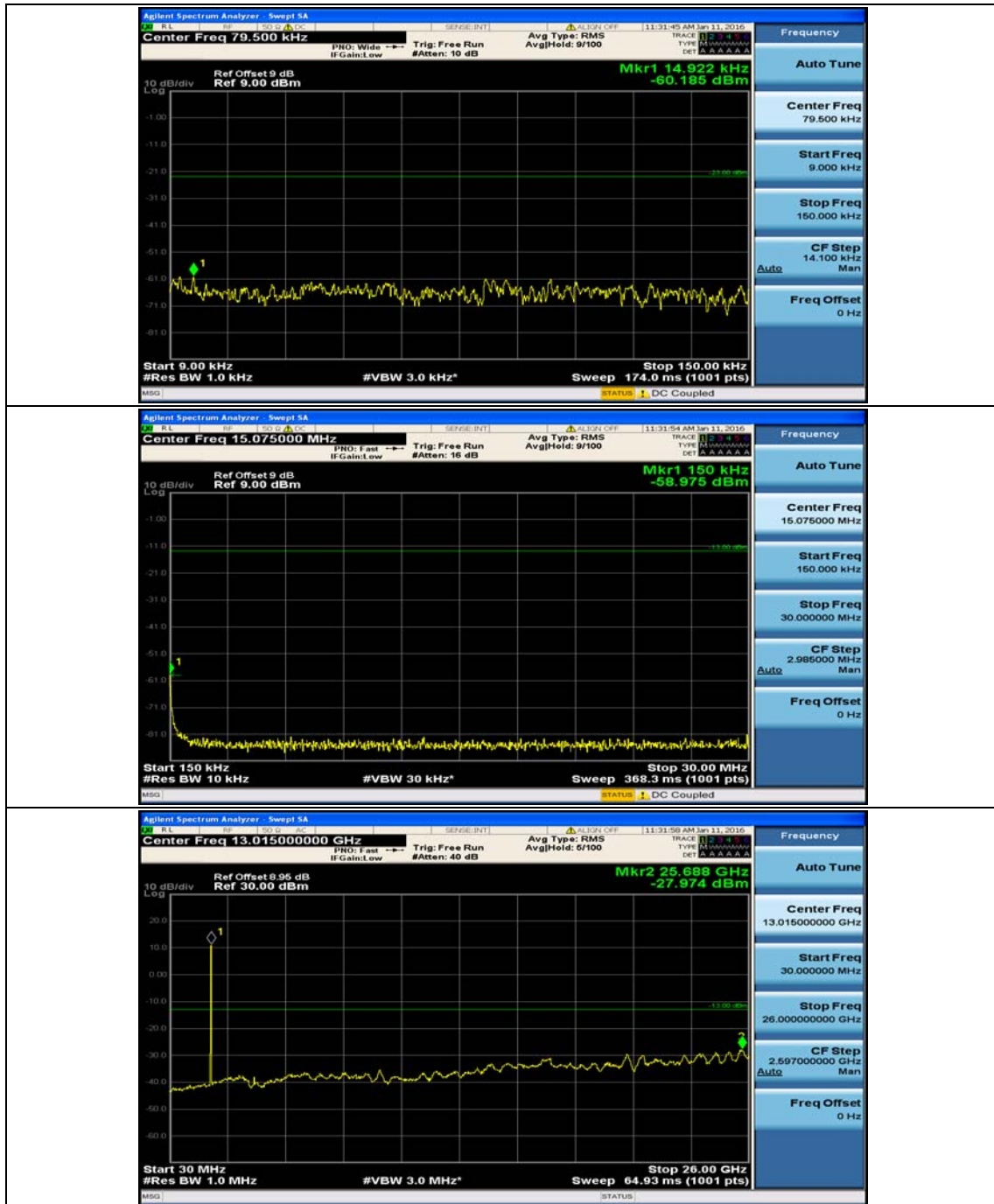


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

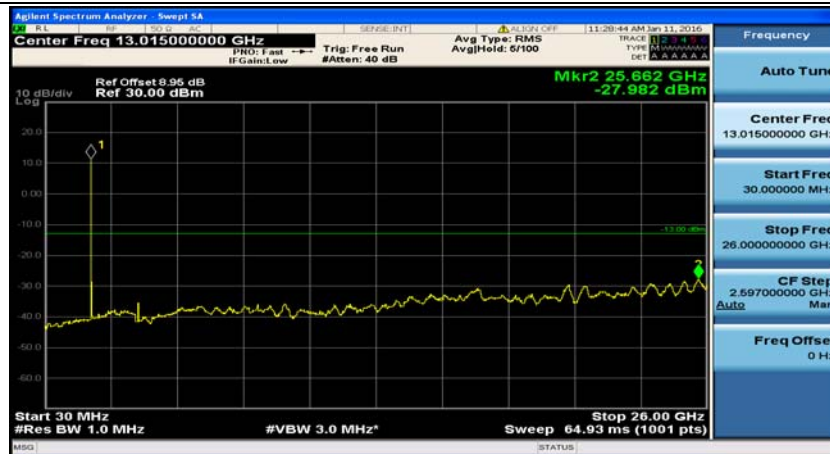
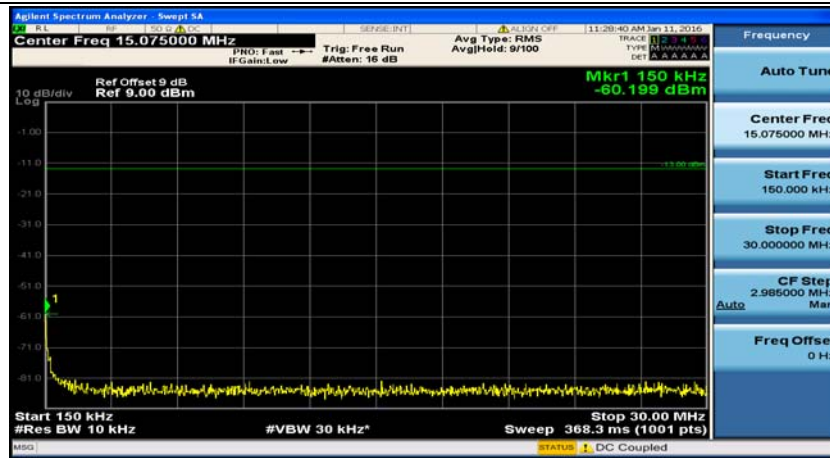
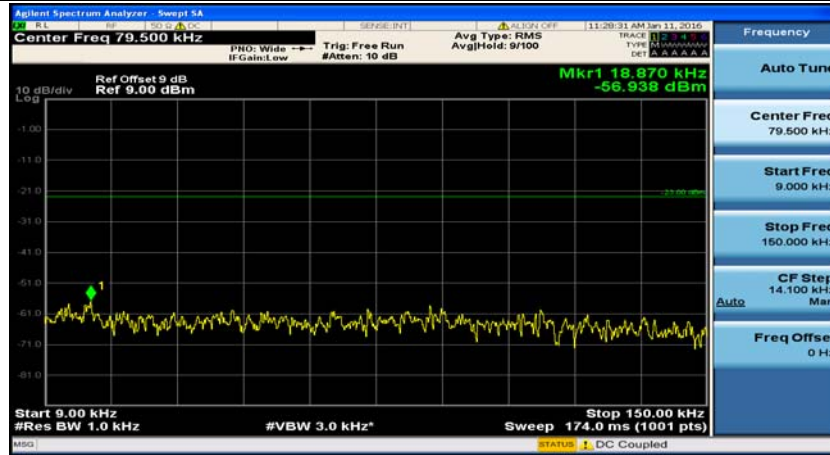


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

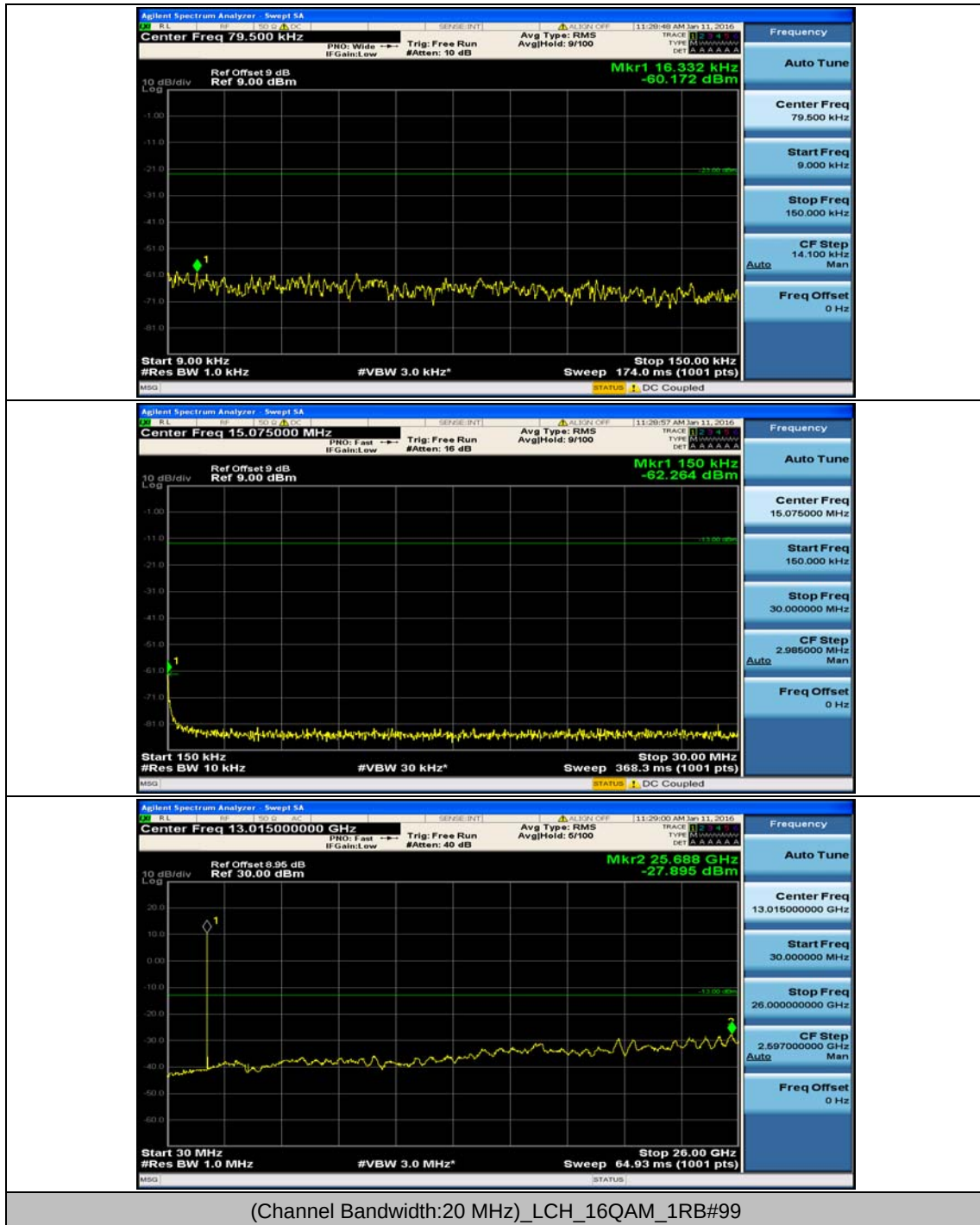


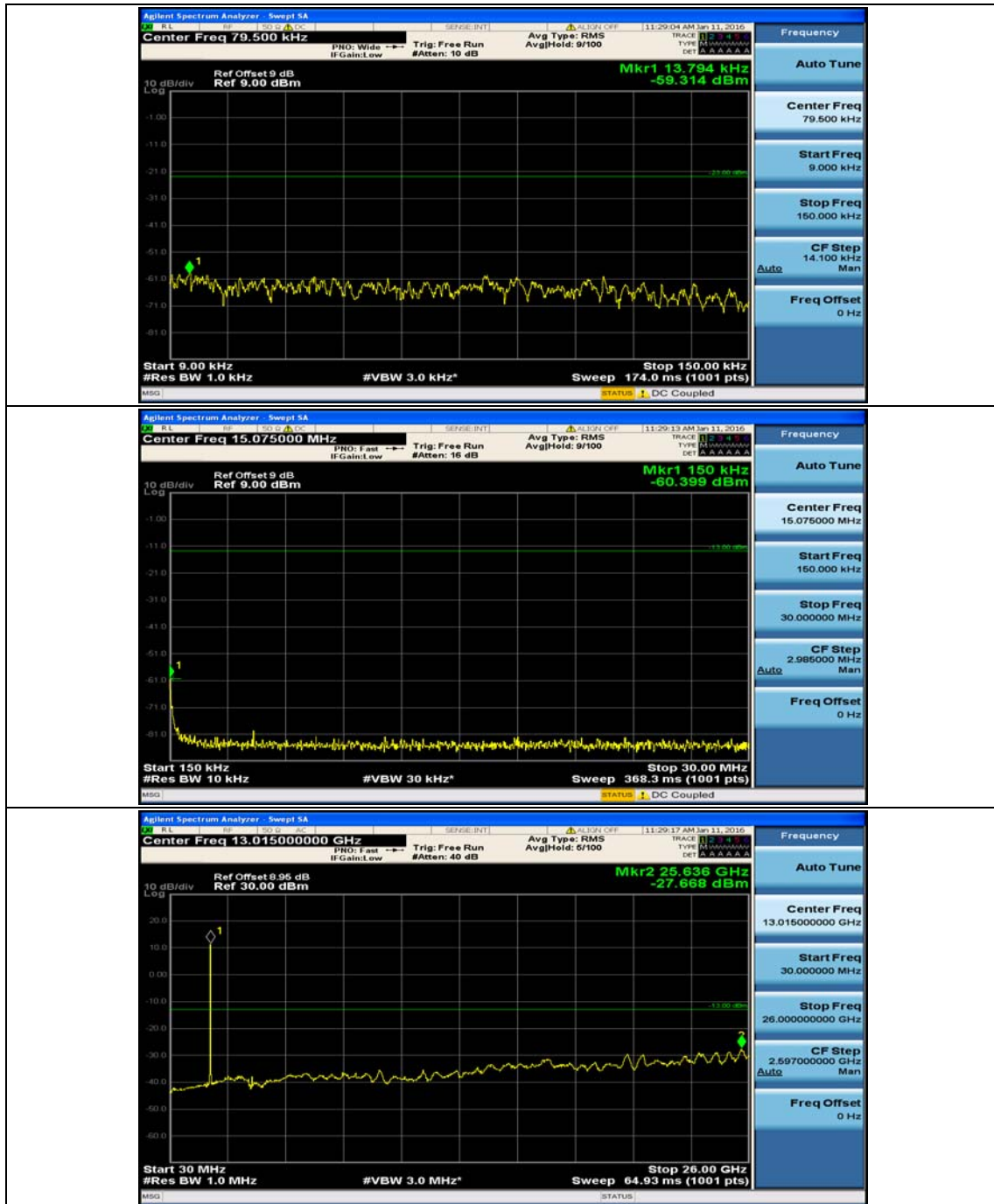


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

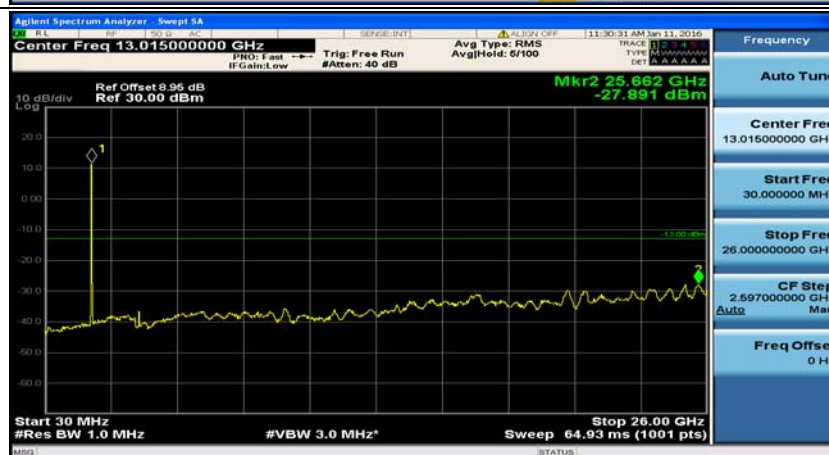
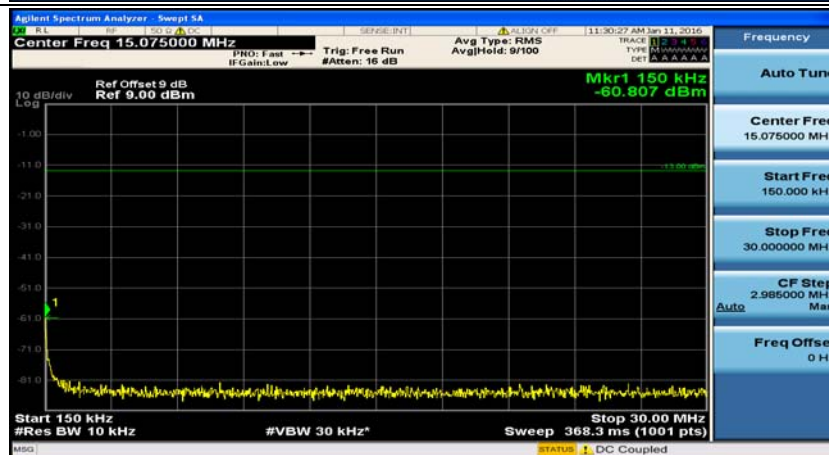
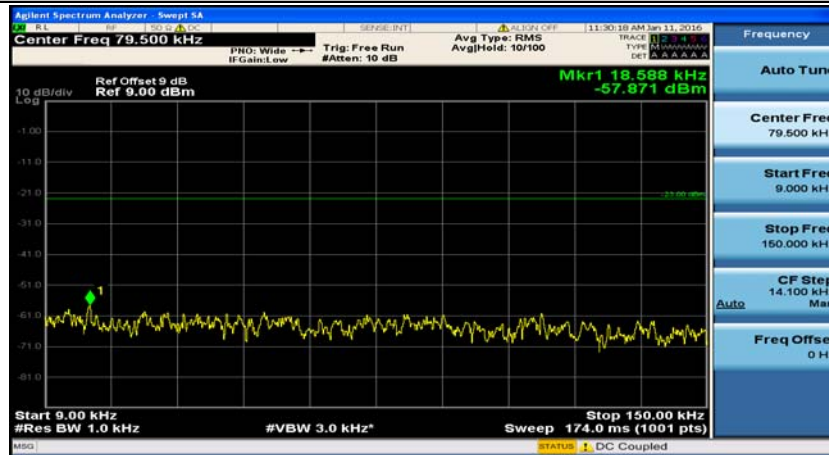


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

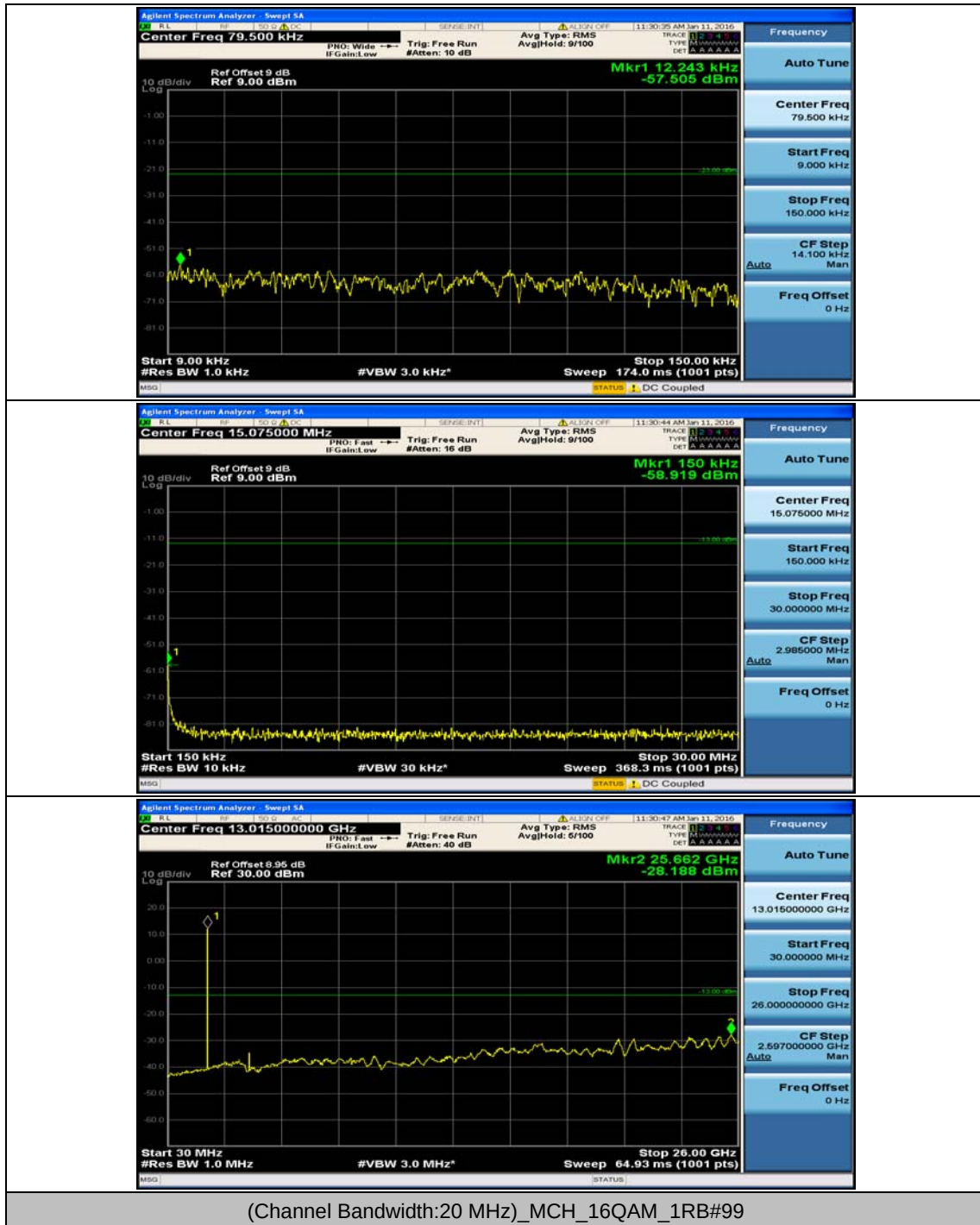


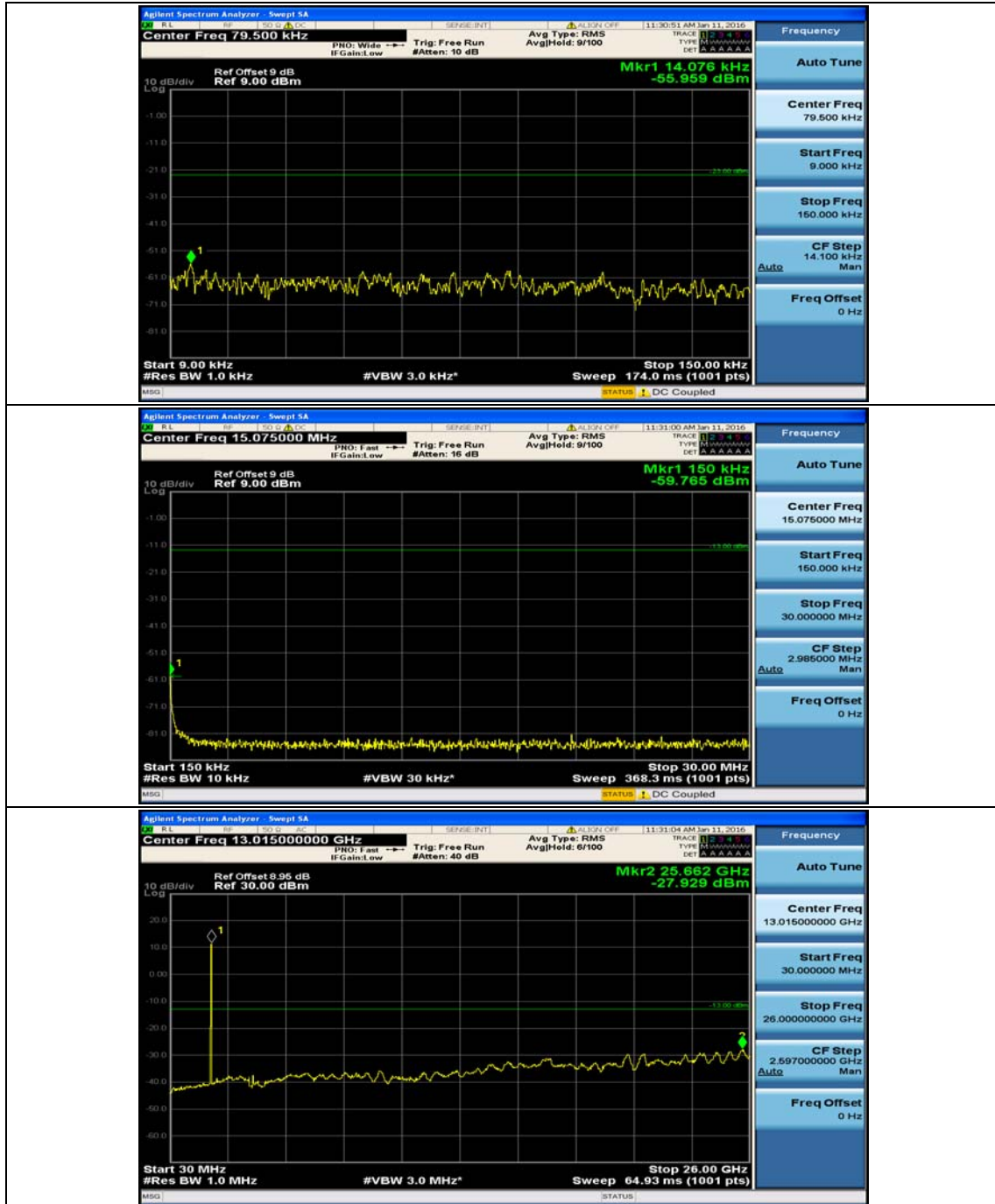


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

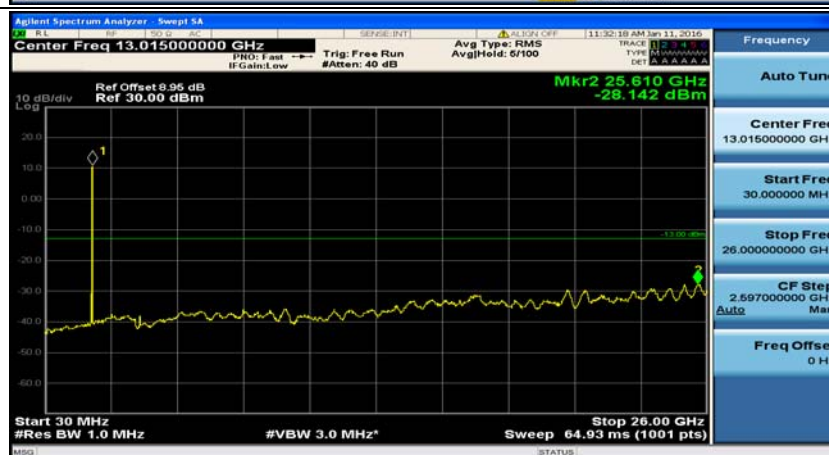
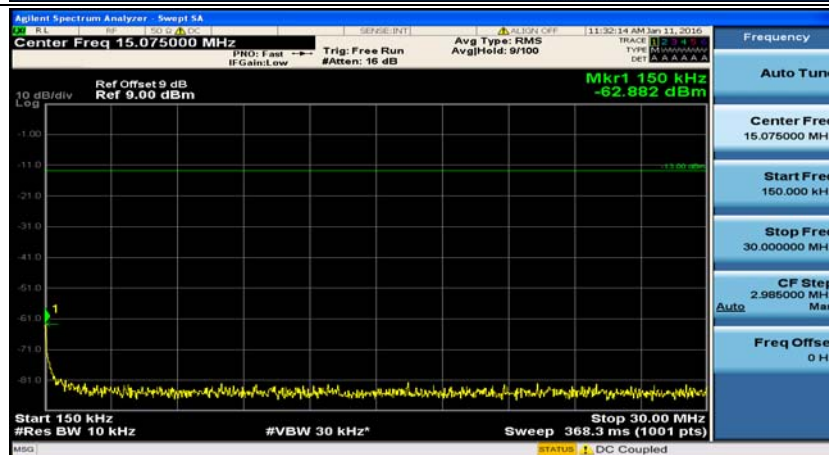


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

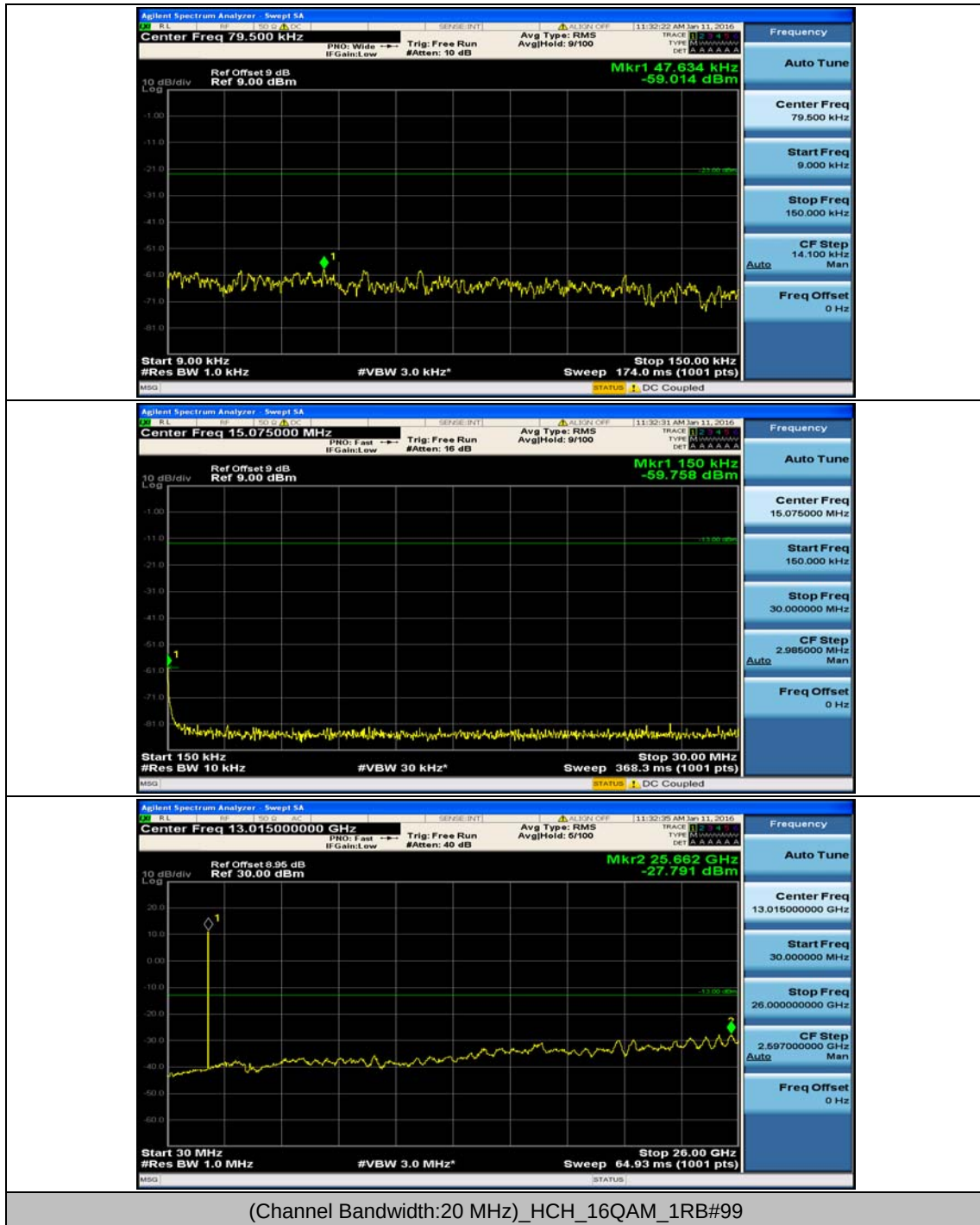


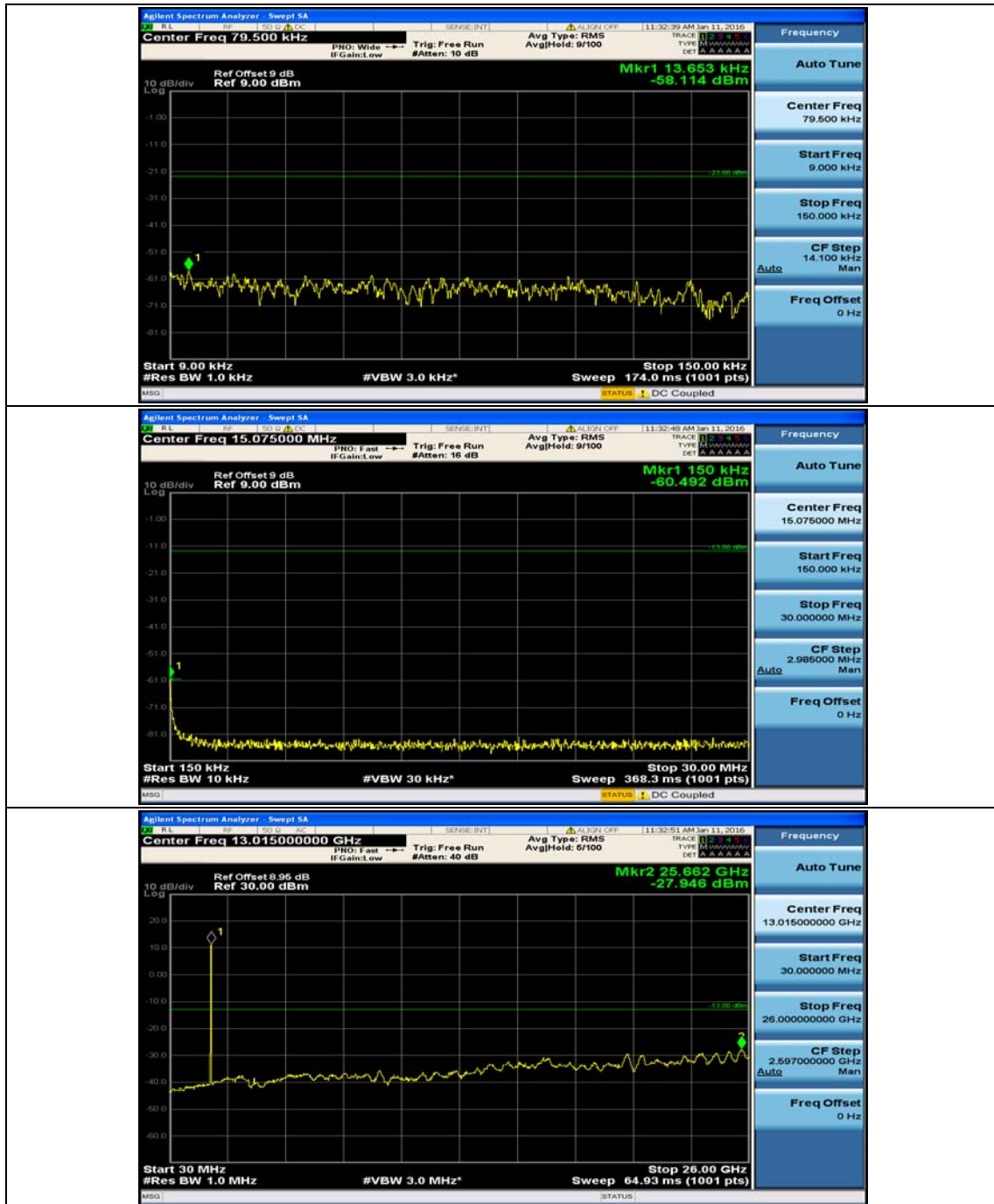


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-2.02	-0.001091	± 2.5	PASS
		VN	TN	0.08	0.000043	± 2.5	PASS
		VH	TN	1.7	0.000919	± 2.5	PASS
	MCH	VL	TN	-1.14	-0.000606	± 2.5	PASS
		VN	TN	3.38	0.001798	± 2.5	PASS
		VH	TN	0.1	0.000053	± 2.5	PASS
	HCH	VL	TN	5	0.002619	± 2.5	PASS
		VN	TN	3.43	0.001796	± 2.5	PASS
		VH	TN	4.73	0.002477	± 2.5	PASS
16QAM	LCH	VL	TN	0.22	0.000119	± 2.5	PASS
		VN	TN	1.72	0.000929	± 2.5	PASS
		VH	TN	3.59	0.001940	± 2.5	PASS
	MCH	VL	TN	0.95	0.000505	± 2.5	PASS
		VN	TN	1.77	0.000941	± 2.5	PASS
		VH	TN	0.29	0.000154	± 2.5	PASS
	HCH	VL	TN	2.05	0.001074	± 2.5	PASS
		VN	TN	2.48	0.001299	± 2.5	PASS
		VH	TN	-1.7	-0.000890	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.29	-0.000697	± 2.5	PASS
		VN	-20	-1.86	-0.001005	± 2.5	PASS
		VN	-10	3.79	0.002048	± 2.5	PASS
		VN	0	-0.09	-0.000049	± 2.5	PASS
		VN	10	3.12	0.001686	± 2.5	PASS
		VN	20	1.67	0.000902	± 2.5	PASS
		VN	30	2.75	0.001486	± 2.5	PASS
		VN	40	-1.14	-0.000616	± 2.5	PASS
		VN	50	0.43	0.000232	± 2.5	PASS
	MCH	VN	-30	2.76	0.001468	± 2.5	PASS

		VN	-20	2.61	0.001388	± 2.5	PASS
		VN	-10	-0.84	-0.000447	± 2.5	PASS
		VN	0	1.45	0.000771	± 2.5	PASS
		VN	10	3.65	0.001941	± 2.5	PASS
		VN	20	-0.71	-0.000378	± 2.5	PASS
		VN	30	-0.32	-0.000170	± 2.5	PASS
		VN	40	1.62	0.000862	± 2.5	PASS
		VN	50	-0.57	-0.000303	± 2.5	PASS
	HCH	VN	-30	3.25	0.001702	± 2.5	PASS
		VN	-20	0.25	0.000131	± 2.5	PASS
		VN	-10	2.06	0.001079	± 2.5	PASS
		VN	0	-1.83	-0.000958	± 2.5	PASS
		VN	10	3.67	0.001922	± 2.5	PASS
		VN	20	4.98	0.002608	± 2.5	PASS
		VN	30	-0.56	-0.000293	± 2.5	PASS
		VN	40	1.35	0.000707	± 2.5	PASS
		VN	50	-1.6	-0.000838	± 2.5	PASS
16QAM	LCH	VN	-30	1.51	0.000816	± 2.5	PASS
		VN	-20	1.47	0.000794	± 2.5	PASS
		VN	-10	3.53	0.001907	± 2.5	PASS
		VN	0	4.86	0.002626	± 2.5	PASS
		VN	10	0.38	0.000205	± 2.5	PASS
		VN	20	-1.79	-0.000967	± 2.5	PASS
		VN	30	3.45	0.001864	± 2.5	PASS
		VN	40	3.57	0.001929	± 2.5	PASS
		VN	50	1.25	0.000675	± 2.5	PASS
	MCH	VN	-30	3.65	0.001941	± 2.5	PASS
		VN	-20	1.59	0.000846	± 2.5	PASS
		VN	-10	0.76	0.000404	± 2.5	PASS
		VN	0	4.76	0.002532	± 2.5	PASS
		VN	10	0.47	0.000250	± 2.5	PASS
		VN	20	3.44	0.001830	± 2.5	PASS
		VN	30	3.27	0.001739	± 2.5	PASS
		VN	40	1.37	0.000729	± 2.5	PASS
		VN	50	3.49	0.001856	± 2.5	PASS
	HCH	VN	-30	-0.16	-0.000084	± 2.5	PASS
		VN	-20	0.76	0.000398	± 2.5	PASS
		VN	-10	-0.24	-0.000126	± 2.5	PASS
		VN	0	2.95	0.001545	± 2.5	PASS
		VN	10	-0.95	-0.000498	± 2.5	PASS
		VN	20	1.23	0.000644	± 2.5	PASS

		VN	30	-0.52	-0.000272	± 2.5	PASS
		VN	40	0.71	0.000372	± 2.5	PASS
		VN	50	0.17	0.000089	± 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	-4.09	-0.002209	± 2.5	PASS
		VN	TN	4.29	0.002317	± 2.5	PASS
		VH	TN	-1.4	-0.000756	± 2.5	PASS
	MCH	VL	TN	3.75	0.001995	± 2.5	PASS
		VN	TN	-0.42	-0.000223	± 2.5	PASS
		VH	TN	-1.52	-0.000809	± 2.5	PASS
	HCH	VL	TN	2.02	0.001058	± 2.5	PASS
		VN	TN	0.88	0.000461	± 2.5	PASS
		VH	TN	2.74	0.001436	± 2.5	PASS
16QAM	LCH	VL	TN	-1.83	-0.000988	± 2.5	PASS
		VN	TN	-0.32	-0.000173	± 2.5	PASS
		VH	TN	3.88	0.002096	± 2.5	PASS
	MCH	VL	TN	3.6	0.001915	± 2.5	PASS
		VN	TN	4.19	0.002229	± 2.5	PASS
		VH	TN	0.7	0.000372	± 2.5	PASS
	HCH	VL	TN	-1.51	-0.000791	± 2.5	PASS
		VN	TN	0.21	0.000110	± 2.5	PASS
		VH	TN	-0.37	-0.000194	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.82	-0.000983	± 2.5	PASS
		VN	-20	2.58	0.001393	± 2.5	PASS
		VN	-10	2.8	0.001512	± 2.5	PASS
		VN	0	1.65	0.000891	± 2.5	PASS
		VN	10	1.46	0.000789	± 2.5	PASS
		VN	20	2.68	0.001447	± 2.5	PASS
		VN	30	2.41	0.001302	± 2.5	PASS
		VN	40	4.41	0.002382	± 2.5	PASS
		VN	50	4.62	0.002495	± 2.5	PASS
	MCH	VN	-30	0.42	0.000223	± 2.5	PASS
		VN	-20	1.42	0.000755	± 2.5	PASS

		VN	-10	3.45	0.001835	± 2.5	PASS
		VN	0	1.93	0.001027	± 2.5	PASS
		VN	10	-1.45	-0.000771	± 2.5	PASS
		VN	20	-0.67	-0.000356	± 2.5	PASS
		VN	30	3.49	0.001856	± 2.5	PASS
		VN	40	0.47	0.000250	± 2.5	PASS
		VN	50	0.48	0.000255	± 2.5	PASS
	HCH	VN	-30	2.12	0.001111	± 2.5	PASS
		VN	-20	-1.19	-0.000624	± 2.5	PASS
		VN	-10	4.61	0.002416	± 2.5	PASS
		VN	0	4.18	0.002190	± 2.5	PASS
		VN	10	2.61	0.001368	± 2.5	PASS
		VN	20	-1.08	-0.000566	± 2.5	PASS
		VN	30	3.29	0.001724	± 2.5	PASS
		VN	40	4.69	0.002457	± 2.5	PASS
		VN	50	2.15	0.001127	± 2.5	PASS
QPSK	LCH	VN	-30	3.34	0.001804	± 2.5	PASS
		VN	-20	0.66	0.000356	± 2.5	PASS
		VN	-10	4.77	0.002576	± 2.5	PASS
		VN	0	3.68	0.001988	± 2.5	PASS
		VN	10	1.77	0.000956	± 2.5	PASS
		VN	20	-0.61	-0.000329	± 2.5	PASS
		VN	30	4.09	0.002209	± 2.5	PASS
		VN	40	0.08	0.000043	± 2.5	PASS
		VN	50	-0.71	-0.000383	± 2.5	PASS
	MCH	VN	-30	4.81	0.002559	± 2.5	PASS
		VN	-20	3.38	0.001798	± 2.5	PASS
		VN	-10	4.14	0.002202	± 2.5	PASS
		VN	0	1.48	0.000787	± 2.5	PASS
		VN	10	1.46	0.000777	± 2.5	PASS
		VN	20	-1.77	-0.000941	± 2.5	PASS
		VN	30	0.49	0.000261	± 2.5	PASS
		VN	40	3.32	0.001766	± 2.5	PASS
		VN	50	-0.39	-0.000207	± 2.5	PASS
	HCH	VN	-30	4.94	0.002588	± 2.5	PASS
		VN	-20	4.77	0.002499	± 2.5	PASS
		VN	-10	4.62	0.002421	± 2.5	PASS
		VN	0	-0.97	-0.000508	± 2.5	PASS
		VN	10	0.9	0.000472	± 2.5	PASS
		VN	20	-0.82	-0.000430	± 2.5	PASS
		VN	30	1.74	0.000912	± 2.5	PASS

		VN	40	1.08	0.000566	± 2.5	PASS
		VN	50	4.26	0.002232	± 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	-1.05	-0.000567	± 2.5	PASS
		VN	TN	3.97	0.002143	± 2.5	PASS
		VH	TN	-0.87	-0.000470	± 2.5	PASS
	MCH	VL	TN	1.65	0.000878	± 2.5	PASS
		VN	TN	0.73	0.000388	± 2.5	PASS
		VH	TN	2.01	0.001069	± 2.5	PASS
	HCH	VL	TN	0.12	0.000063	± 2.5	PASS
		VN	TN	-0.09	-0.000047	± 2.5	PASS
		VH	TN	4.46	0.002338	± 2.5	PASS
16QAM	LCH	VL	TN	-0.33	-0.000178	± 2.5	PASS
		VN	TN	4.9	0.002645	± 2.5	PASS
		VH	TN	4.27	0.002305	± 2.5	PASS
	MCH	VL	TN	1.79	0.000952	± 2.5	PASS
		VN	TN	0.55	0.000293	± 2.5	PASS
		VH	TN	0.04	0.000021	± 2.5	PASS
	HCH	VL	TN	4.8	0.002516	± 2.5	PASS
		VN	TN	-0.94	-0.000493	± 2.5	PASS
		VH	TN	1.32	0.000692	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.57	-0.000308	± 2.5	PASS
		VN	-20	3.57	0.001927	± 2.5	PASS
		VN	-10	3.36	0.001814	± 2.5	PASS
		VN	0	3.28	0.001771	± 2.5	PASS
		VN	10	0.59	0.000318	± 2.5	PASS
		VN	20	3.63	0.001960	± 2.5	PASS
		VN	30	3.63	0.001960	± 2.5	PASS
		VN	40	1.81	0.000977	± 2.5	PASS
		VN	50	0.94	0.000507	± 2.5	PASS
	MCH	VN	-30	0.38	0.000202	± 2.5	PASS
		VN	-20	3.27	0.001739	± 2.5	PASS
		VN	-10	1.74	0.000926	± 2.5	PASS

		VN	0	-0.91	-0.000484	± 2.5	PASS
		VN	10	4.8	0.002553	± 2.5	PASS
		VN	20	1.23	0.000654	± 2.5	PASS
		VN	30	2.6	0.001383	± 2.5	PASS
		VN	40	2.69	0.001431	± 2.5	PASS
		VN	50	3.84	0.002043	± 2.5	PASS
	HCH	VN	-30	0.45	0.000236	± 2.5	PASS
		VN	-20	-1.96	-0.001028	± 2.5	PASS
		VN	-10	-1.51	-0.000792	± 2.5	PASS
		VN	0	-0.8	-0.000419	± 2.5	PASS
		VN	10	-0.3	-0.000157	± 2.5	PASS
		VN	20	2.98	0.001562	± 2.5	PASS
		VN	30	1.59	0.000834	± 2.5	PASS
		VN	40	2.72	0.001426	± 2.5	PASS
		VN	50	4.09	0.002144	± 2.5	PASS
16QAM	LCH	VN	-30	2.59	0.001398	± 2.5	PASS
		VN	-20	-1.9	-0.001026	± 2.5	PASS
		VN	-10	3.26	0.001760	± 2.5	PASS
		VN	0	4.81	0.002596	± 2.5	PASS
		VN	10	2.13	0.001150	± 2.5	PASS
		VN	20	1.11	0.000599	± 2.5	PASS
		VN	30	2.75	0.001484	± 2.5	PASS
		VN	40	4.48	0.002418	± 2.5	PASS
		VN	50	-0.14	-0.000076	± 2.5	PASS
	MCH	VN	-30	3.32	0.001766	± 2.5	PASS
		VN	-20	3.08	0.001638	± 2.5	PASS
		VN	-10	0.7	0.000372	± 2.5	PASS
		VN	0	-1.42	-0.000755	± 2.5	PASS
		VN	10	4.88	0.002596	± 2.5	PASS
		VN	20	1.59	0.000846	± 2.5	PASS
		VN	30	0.89	0.000473	± 2.5	PASS
		VN	40	2.84	0.001511	± 2.5	PASS
		VN	50	2.49	0.001324	± 2.5	PASS
	HCH	VN	-30	1.69	0.000886	± 2.5	PASS
		VN	-20	0.99	0.000519	± 2.5	PASS
		VN	-10	-0.68	-0.000356	± 2.5	PASS
		VN	0	-1.53	-0.000802	± 2.5	PASS
		VN	10	1.2	0.000629	± 2.5	PASS
		VN	20	0.26	0.000136	± 2.5	PASS
		VN	30	4.14	0.002170	± 2.5	PASS
		VN	40	2.09	0.001096	± 2.5	PASS

		VN	50	2	0.001048	± 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	-1.14	-0.000615	± 2.5	PASS
		VN	TN	-0.68	-0.000367	± 2.5	PASS
		VH	TN	1.93	0.001040	± 2.5	PASS
	MCH	VL	TN	1.29	0.000686	± 2.5	PASS
		VN	TN	3.28	0.001745	± 2.5	PASS
		VH	TN	-1.45	-0.000771	± 2.5	PASS
	HCH	VL	TN	1.31	0.000688	± 2.5	PASS
		VN	TN	4.73	0.002483	± 2.5	PASS
		VH	TN	2.4	0.001260	± 2.5	PASS
16QAM	LCH	VL	TN	2.95	0.001590	± 2.5	PASS
		VN	TN	1.59	0.000857	± 2.5	PASS
		VH	TN	-0.12	-0.000065	± 2.5	PASS
	MCH	VL	TN	-0.48	-0.000255	± 2.5	PASS
		VN	TN	0.04	0.000021	± 2.5	PASS
		VH	TN	2.05	0.001090	± 2.5	PASS
	HCH	VL	TN	-0.03	-0.000016	± 2.5	PASS
		VN	TN	-0.77	-0.000404	± 2.5	PASS
		VH	TN	-0.46	-0.000241	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-3.98	-0.002146	± 2.5	PASS
		VN	-20	3.98	0.002146	± 2.5	PASS
		VN	-10	-1.82	-0.000981	± 2.5	PASS
		VN	0	0.67	0.000361	± 2.5	PASS
		VN	10	2.95	0.001590	± 2.5	PASS
		VN	20	-1.96	-0.001057	± 2.5	PASS
		VN	30	1.43	0.000771	± 2.5	PASS
		VN	40	-1.38	-0.000744	± 2.5	PASS
		VN	50	-1.66	-0.000895	± 2.5	PASS
	MCH	VN	-30	-1.02	-0.000543	± 2.5	PASS
		VN	-20	2.6	0.001383	± 2.5	PASS
		VN	-10	3.27	0.001739	± 2.5	PASS
		VN	0	0.86	0.000457	± 2.5	PASS

		VN	10	-0.36	-0.000191	± 2.5	PASS
		VN	20	3.81	0.002027	± 2.5	PASS
		VN	30	-1.01	-0.000537	± 2.5	PASS
		VN	40	0.52	0.000277	± 2.5	PASS
		VN	50	0.57	0.000303	± 2.5	PASS
	HCH	VN	-30	2.06	0.001081	± 2.5	PASS
		VN	-20	-1.64	-0.000861	± 2.5	PASS
		VN	-10	0.81	0.000425	± 2.5	PASS
		VN	0	1.49	0.000782	± 2.5	PASS
		VN	10	2.25	0.001181	± 2.5	PASS
		VN	20	1.96	0.001029	± 2.5	PASS
		VN	30	1.61	0.000845	± 2.5	PASS
		VN	40	-0.27	-0.000142	± 2.5	PASS
		VN	50	-1.3	-0.000682	± 2.5	PASS
QPSK	LCH	VN	-30	3.5	0.001887	± 2.5	PASS
		VN	-20	0.08	0.000043	± 2.5	PASS
		VN	-10	-1.97	-0.001062	± 2.5	PASS
		VN	0	3.64	0.001962	± 2.5	PASS
		VN	10	2.52	0.001358	± 2.5	PASS
		VN	20	-1.35	-0.000728	± 2.5	PASS
		VN	30	4.32	0.002329	± 2.5	PASS
		VN	40	-0.4	-0.000216	± 2.5	PASS
		VN	50	-1.92	-0.001035	± 2.5	PASS
	MCH	VN	-30	3.47	0.001846	± 2.5	PASS
		VN	-20	3.98	0.002117	± 2.5	PASS
		VN	-10	0.36	0.000191	± 2.5	PASS
		VN	0	2.45	0.001303	± 2.5	PASS
		VN	10	0.84	0.000447	± 2.5	PASS
		VN	20	3.36	0.001787	± 2.5	PASS
		VN	30	4.31	0.002293	± 2.5	PASS
		VN	40	0.51	0.000271	± 2.5	PASS
		VN	50	-0.49	-0.000261	± 2.5	PASS
	HCH	VN	-30	4.29	0.002252	± 2.5	PASS
		VN	-20	-1.86	-0.000976	± 2.5	PASS
		VN	-10	-1.4	-0.000735	± 2.5	PASS
		VN	0	-1.57	-0.000824	± 2.5	PASS
		VN	10	-0.53	-0.000278	± 2.5	PASS
		VN	20	2.49	0.001307	± 2.5	PASS
		VN	30	-1.74	-0.000913	± 2.5	PASS
		VN	40	-0.43	-0.000226	± 2.5	PASS
		VN	50	2.72	0.001428	± 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	2.5	0.001346	± 2.5	PASS
		VN	TN	1.12	0.000603	± 2.5	PASS
		VH	TN	0.02	0.000011	± 2.5	PASS
	MCH	VL	TN	-1.97	-0.001048	± 2.5	PASS
		VN	TN	-2	-0.001064	± 2.5	PASS
		VH	TN	0.72	0.000383	± 2.5	PASS
	HCH	VL	TN	3.45	0.001813	± 2.5	PASS
		VN	TN	-0.67	-0.000352	± 2.5	PASS
		VH	TN	2.7	0.001419	± 2.5	PASS
16QAM	LCH	VL	TN	-0.74	-0.000398	± 2.5	PASS
		VN	TN	4.73	0.002546	± 2.5	PASS
		VH	TN	-0.86	-0.000463	± 2.5	PASS
	MCH	VL	TN	3.53	0.001878	± 2.5	PASS
		VN	TN	2.35	0.001250	± 2.5	PASS
		VH	TN	-1.25	-0.000665	± 2.5	PASS
	HCH	VL	TN	3.58	0.001882	± 2.5	PASS
		VN	TN	-1.77	-0.000930	± 2.5	PASS
		VH	TN	1.71	0.000899	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.05	0.000565	± 2.5	PASS
		VN	-20	-1.96	-0.001055	± 2.5	PASS
		VN	-10	2.35	0.001265	± 2.5	PASS
		VN	0	2.03	0.001093	± 2.5	PASS
		VN	10	-1.48	-0.000797	± 2.5	PASS
		VN	20	-0.26	-0.000140	± 2.5	PASS
		VN	30	2.35	0.001265	± 2.5	PASS
		VN	40	1.99	0.001071	± 2.5	PASS
		VN	50	-0.5	-0.000269	± 2.5	PASS
	MCH	VN	-30	2.21	0.001176	± 2.5	PASS
		VN	-20	3.87	0.002059	± 2.5	PASS
		VN	-10	4.12	0.002191	± 2.5	PASS
		VN	0	4.49	0.002388	± 2.5	PASS
		VN	10	4.48	0.002383	± 2.5	PASS

		VN	20	4.71	0.002505	± 2.5	PASS
		VN	30	0.33	0.000176	± 2.5	PASS
		VN	40	1.21	0.000644	± 2.5	PASS
		VN	50	4.69	0.002495	± 2.5	PASS
	HCH	VN	-30	3.93	0.002066	± 2.5	PASS
		VN	-20	4.14	0.002176	± 2.5	PASS
		VN	-10	2.85	0.001498	± 2.5	PASS
		VN	0	4.58	0.002407	± 2.5	PASS
		VN	10	3.59	0.001887	± 2.5	PASS
		VN	20	0.25	0.000131	± 2.5	PASS
		VN	30	-1.2	-0.000631	± 2.5	PASS
		VN	40	3.15	0.001656	± 2.5	PASS
		VN	50	3.85	0.002024	± 2.5	PASS
QPSK	LCH	VN	-30	0.97	0.000522	± 2.5	PASS
		VN	-20	2.59	0.001394	± 2.5	PASS
		VN	-10	4.2	0.002261	± 2.5	PASS
		VN	0	1.8	0.000969	± 2.5	PASS
		VN	10	-1.75	-0.000942	± 2.5	PASS
		VN	20	1.07	0.000576	± 2.5	PASS
		VN	30	3.56	0.001917	± 2.5	PASS
		VN	40	-0.13	-0.000070	± 2.5	PASS
		VN	50	-1.44	-0.000775	± 2.5	PASS
	MCH	VN	-30	1.32	0.000702	± 2.5	PASS
		VN	-20	3.76	0.002000	± 2.5	PASS
		VN	-10	0.87	0.000463	± 2.5	PASS
		VN	0	2.58	0.001372	± 2.5	PASS
		VN	10	-0.56	-0.000298	± 2.5	PASS
		VN	20	-0.51	-0.000271	± 2.5	PASS
		VN	30	-0.93	-0.000495	± 2.5	PASS
		VN	40	-1.92	-0.001021	± 2.5	PASS
		VN	50	1.57	0.000835	± 2.5	PASS
	HCH	VN	-30	3.21	0.001687	± 2.5	PASS
		VN	-20	4.66	0.002449	± 2.5	PASS
		VN	-10	2.57	0.001351	± 2.5	PASS
		VN	0	2.85	0.001498	± 2.5	PASS
		VN	10	1.92	0.001009	± 2.5	PASS
		VN	20	4.48	0.002355	± 2.5	PASS
		VN	30	-1.86	-0.000978	± 2.5	PASS
		VN	40	-1.61	-0.000846	± 2.5	PASS
		VN	50	3.91	0.002055	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.64	0.001957	± 2.5	PASS
		VN	TN	3.73	0.002005	± 2.5	PASS
		VH	TN	2.18	0.001172	± 2.5	PASS
	MCH	VL	TN	0.97	0.000516	± 2.5	PASS
		VN	TN	4.32	0.002298	± 2.5	PASS
		VH	TN	1.62	0.000862	± 2.5	PASS
	HCH	VL	TN	4.38	0.002305	± 2.5	PASS
		VN	TN	3.19	0.001679	± 2.5	PASS
		VH	TN	0.77	0.000405	± 2.5	PASS
16QAM	LCH	VL	TN	1.11	0.000597	± 2.5	PASS
		VN	TN	2.5	0.001344	± 2.5	PASS
		VH	TN	-1.91	-0.001027	± 2.5	PASS
	MCH	VL	TN	2.08	0.001106	± 2.5	PASS
		VN	TN	1.71	0.000910	± 2.5	PASS
		VH	TN	-0.81	-0.000431	± 2.5	PASS
	HCH	VL	TN	3.3	0.001737	± 2.5	PASS
		VN	TN	3.83	0.002016	± 2.5	PASS
		VH	TN	4.72	0.002484	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.62	0.001946	± 2.5	PASS
		VN	-20	-0.04	-0.000022	± 2.5	PASS
		VN	-10	-1.76	-0.000946	± 2.5	PASS
		VN	0	4.18	0.002247	± 2.5	PASS
		VN	10	-1.83	-0.000984	± 2.5	PASS
		VN	20	2.09	0.001124	± 2.5	PASS
		VN	30	3.75	0.002016	± 2.5	PASS
		VN	40	-0.99	-0.000532	± 2.5	PASS
		VN	50	3.34	0.001796	± 2.5	PASS
	MCH	VN	-30	3.49	0.001856	± 2.5	PASS
		VN	-20	1.91	0.001016	± 2.5	PASS
		VN	-10	-1.86	-0.000989	± 2.5	PASS
		VN	0	-0.51	-0.000271	± 2.5	PASS
		VN	10	0.33	0.000176	± 2.5	PASS
		VN	20	1.43	0.000761	± 2.5	PASS

		VN	30	0.18	0.000096	± 2.5	PASS
		VN	40	4.1	0.002181	± 2.5	PASS
		VN	50	4.37	0.002324	± 2.5	PASS
	HCH	VN	-30	2.04	0.001074	± 2.5	PASS
		VN	-20	-1.82	-0.000958	± 2.5	PASS
		VN	-10	-0.43	-0.000226	± 2.5	PASS
		VN	0	1.45	0.000763	± 2.5	PASS
		VN	10	3.94	0.002074	± 2.5	PASS
		VN	20	2.45	0.001289	± 2.5	PASS
		VN	30	-1.2	-0.000632	± 2.5	PASS
		VN	40	-1.1	-0.000579	± 2.5	PASS
		VN	50	1.09	0.000574	± 2.5	PASS
QPSK	LCH	VN	-30	4.76	0.002559	± 2.5	PASS
		VN	-20	-1.93	-0.001038	± 2.5	PASS
		VN	-10	1.69	0.000909	± 2.5	PASS
		VN	0	-1.88	-0.001011	± 2.5	PASS
		VN	10	3.57	0.001919	± 2.5	PASS
		VN	20	1.23	0.000661	± 2.5	PASS
		VN	30	4.21	0.002263	± 2.5	PASS
		VN	40	4.05	0.002177	± 2.5	PASS
		VN	50	2.98	0.001602	± 2.5	PASS
	MCH	VN	-30	3.76	0.002000	± 2.5	PASS
		VN	-20	2.56	0.001362	± 2.5	PASS
		VN	-10	0.22	0.000117	± 2.5	PASS
		VN	0	4.59	0.002441	± 2.5	PASS
		VN	10	3.47	0.001846	± 2.5	PASS
		VN	20	-0.28	-0.000149	± 2.5	PASS
		VN	30	4.37	0.002324	± 2.5	PASS
		VN	40	-0.64	-0.000340	± 2.5	PASS
		VN	50	-0.01	-0.000005	± 2.5	PASS
	HCH	VN	-30	1.79	0.000942	± 2.5	PASS
		VN	-20	3.47	0.001826	± 2.5	PASS
		VN	-10	-0.11	-0.000058	± 2.5	PASS
		VN	0	-0.32	-0.000168	± 2.5	PASS
		VN	10	1.05	0.000553	± 2.5	PASS
		VN	20	2.89	0.001521	± 2.5	PASS
		VN	30	4.01	0.002108	± 2.5	PASS
		VN	40	2.73	0.001438	± 2.5	PASS
		VN	50	3.93	0.002070	± 2.5	PASS