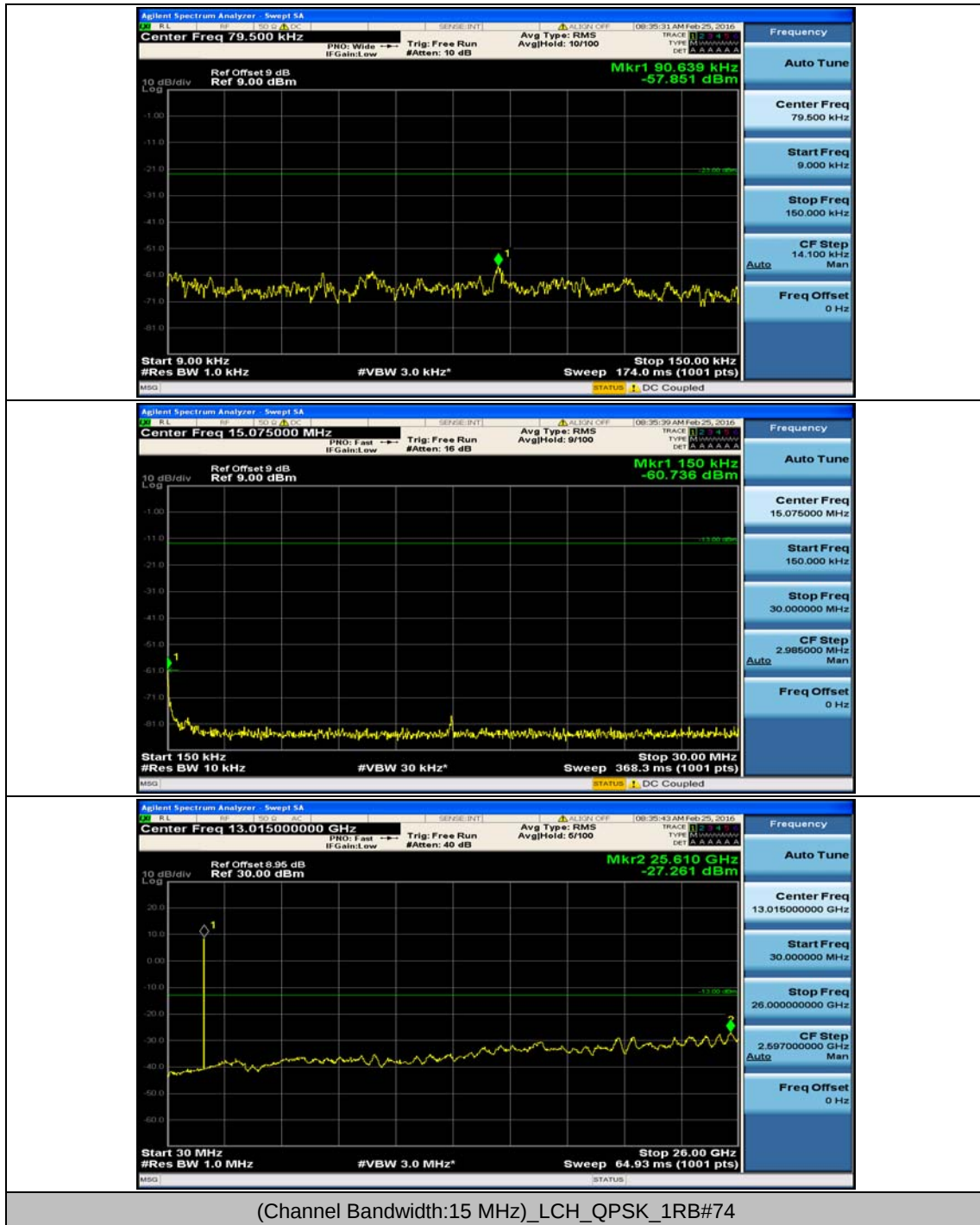
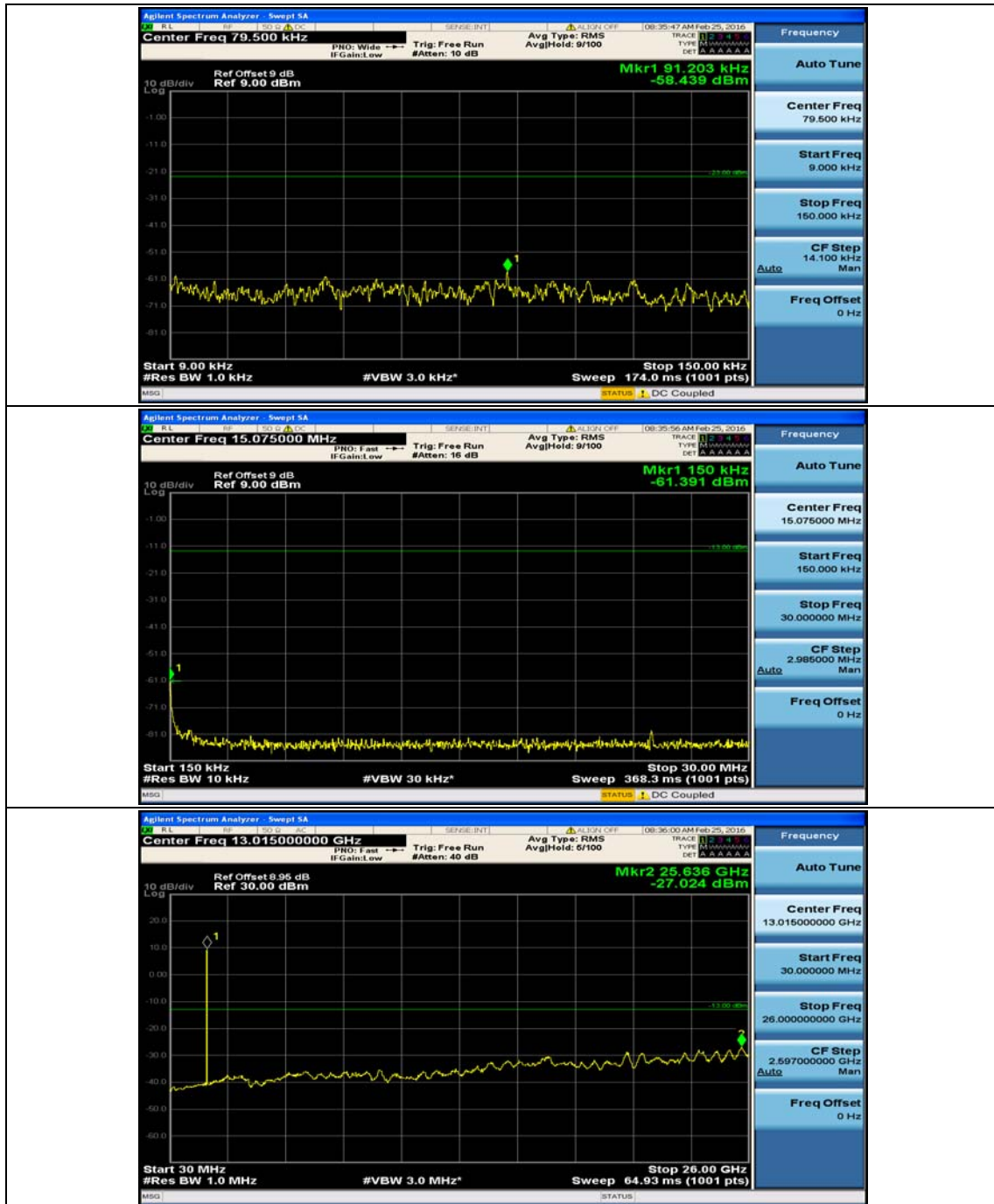
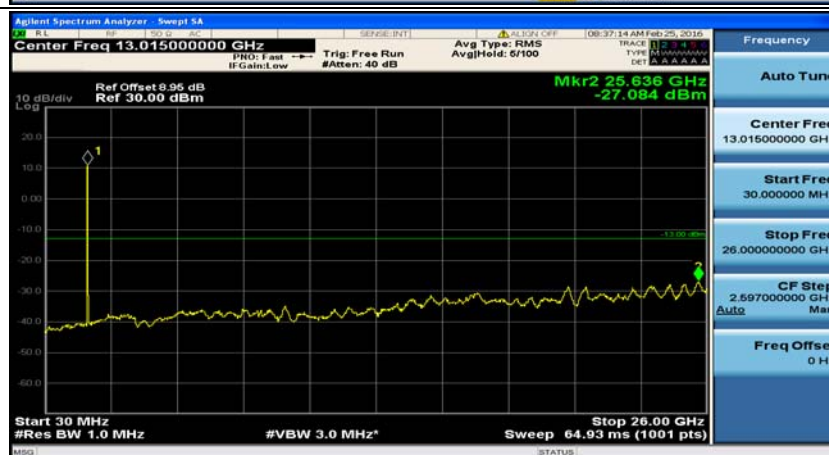
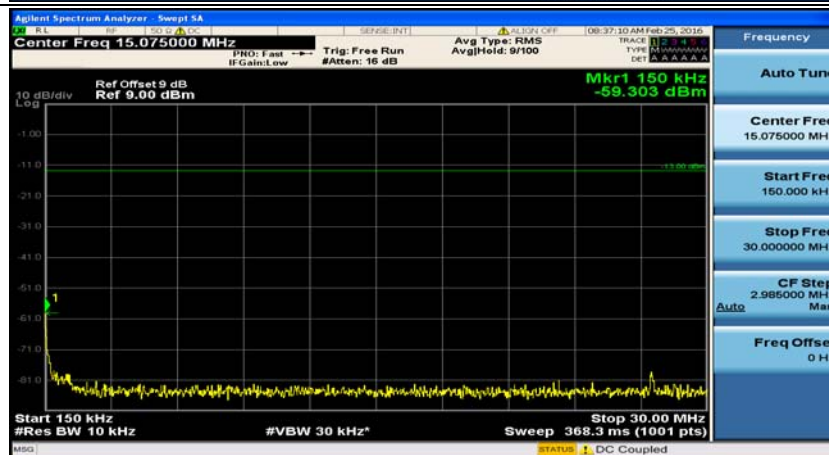
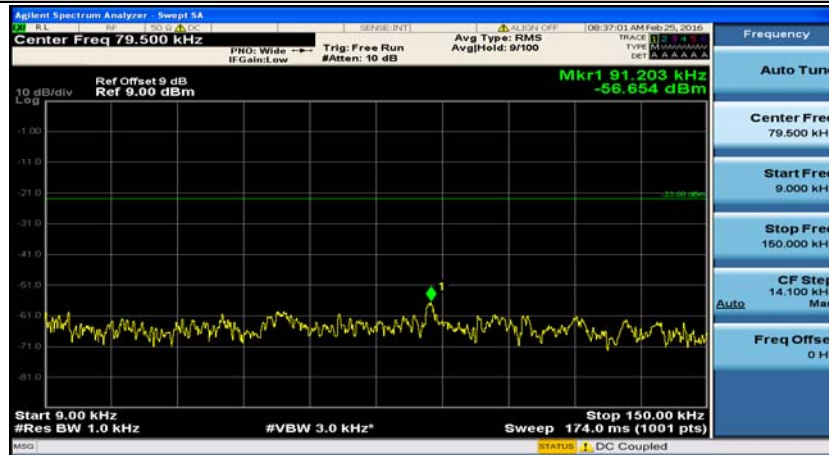


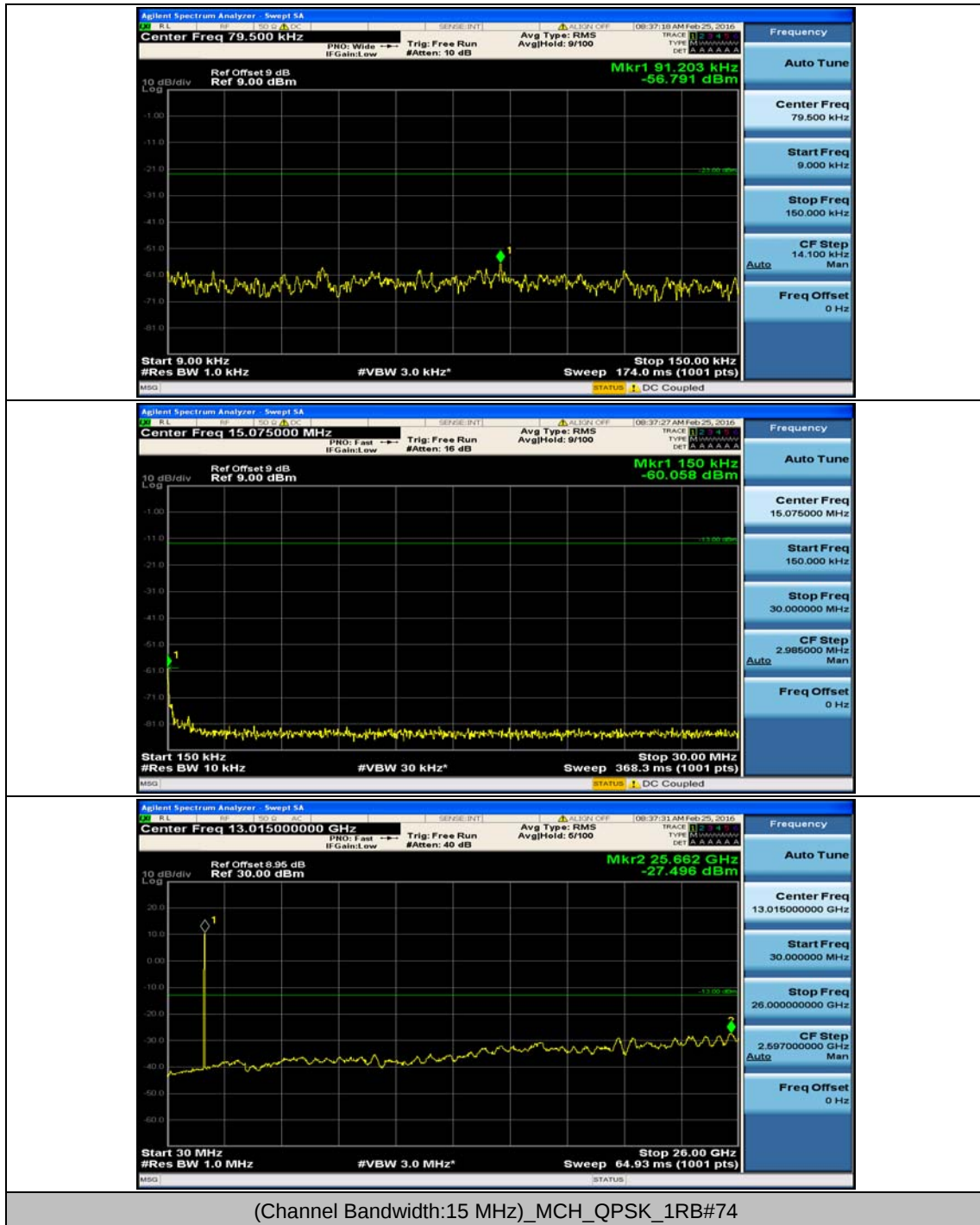


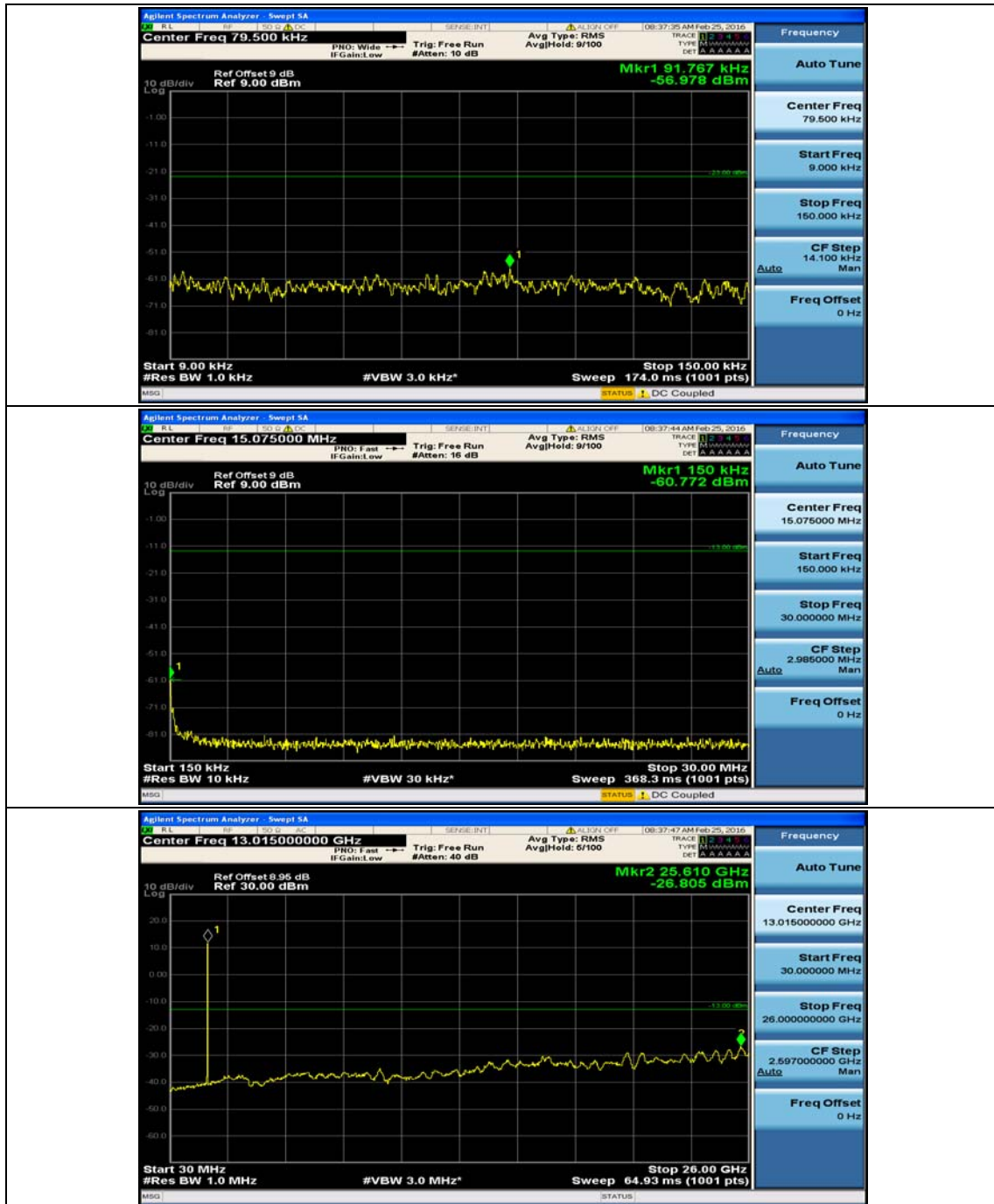


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

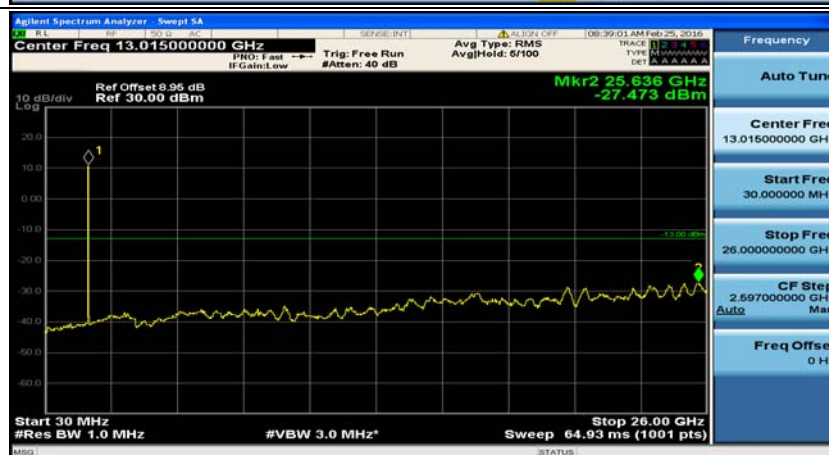
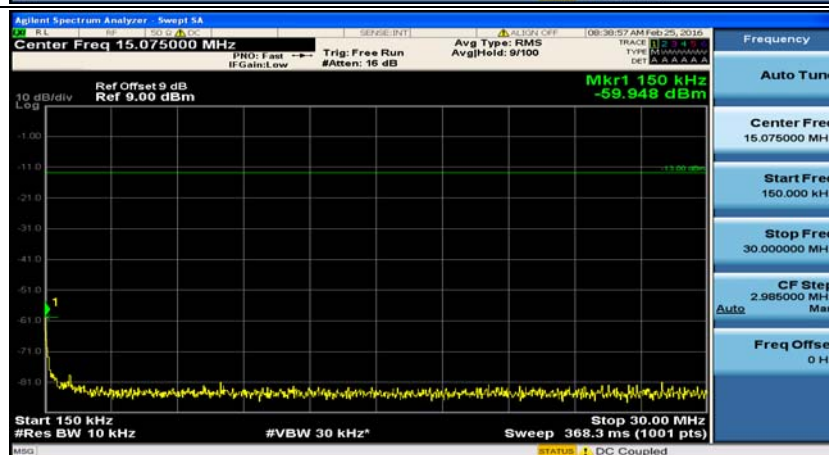
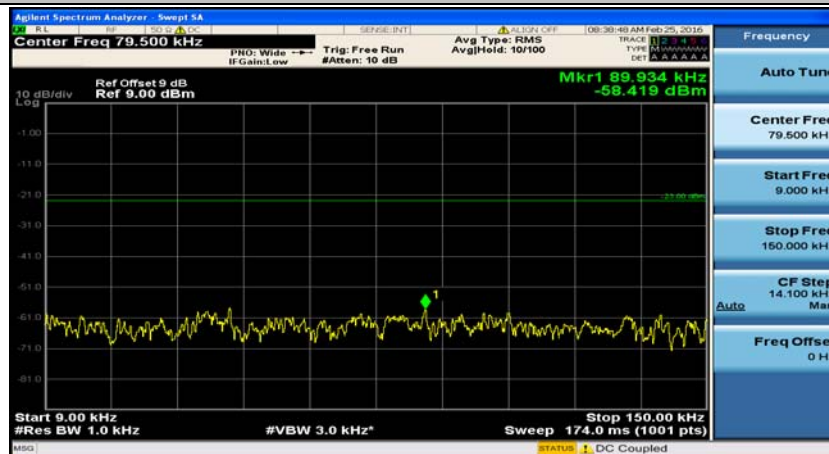


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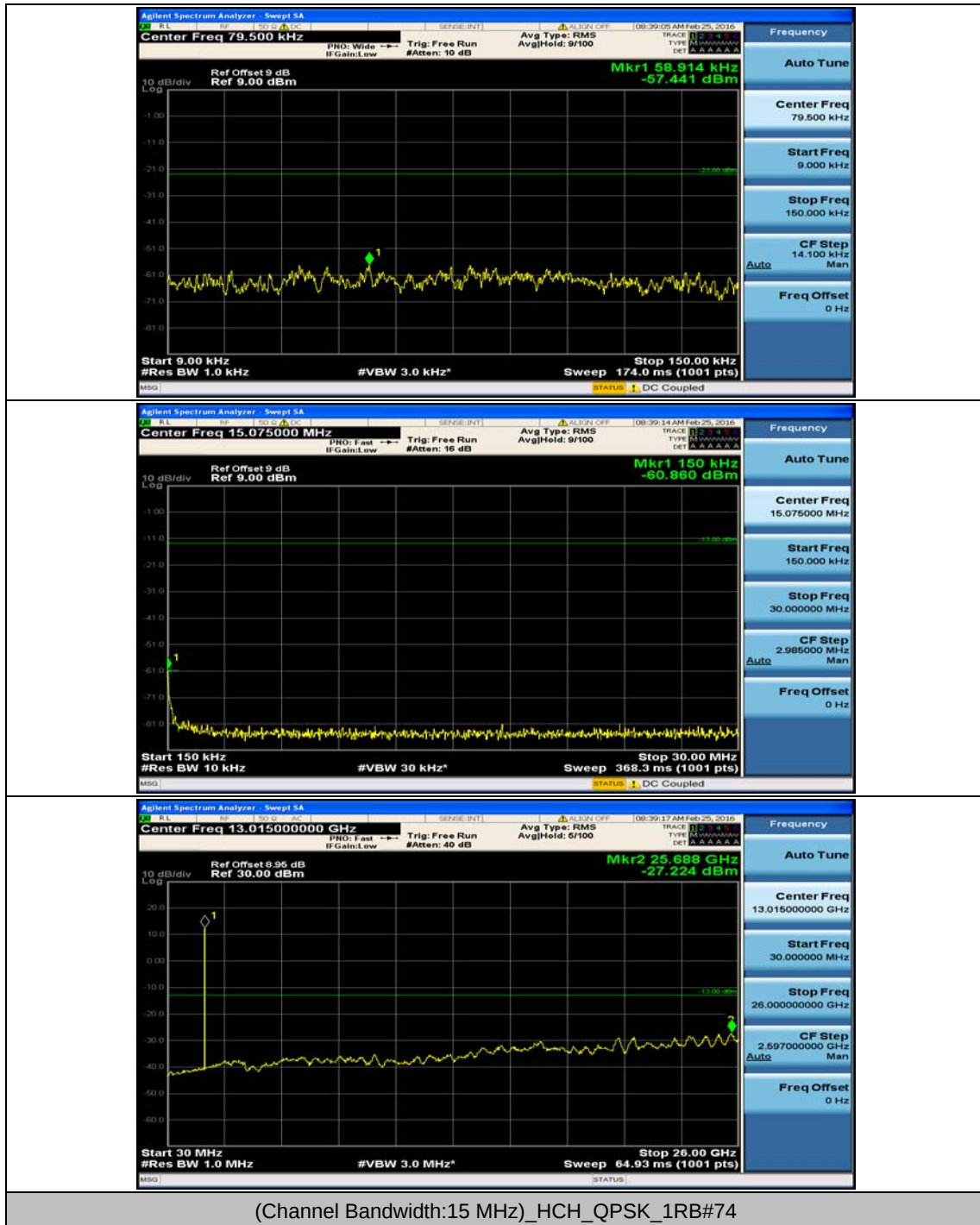


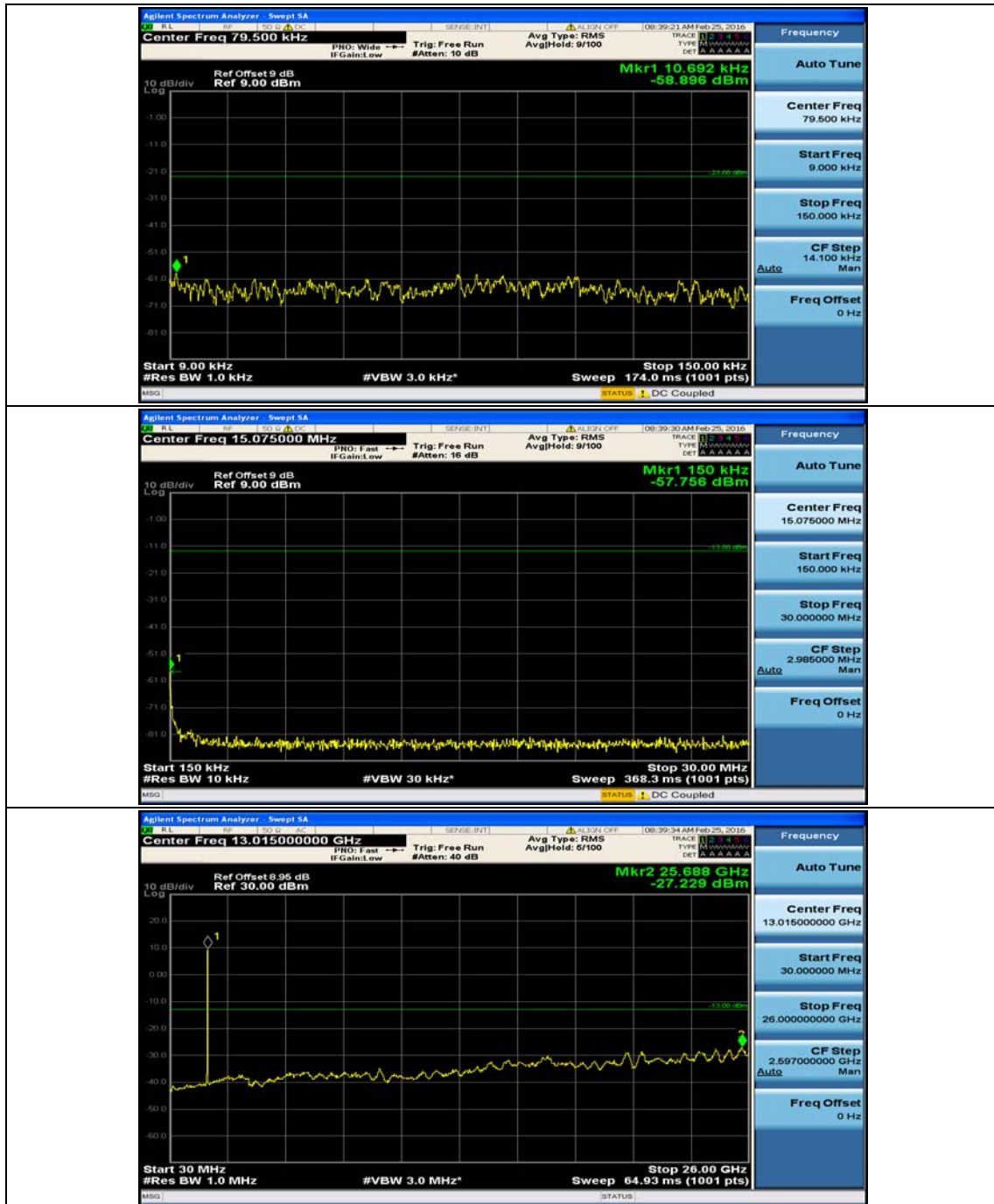


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

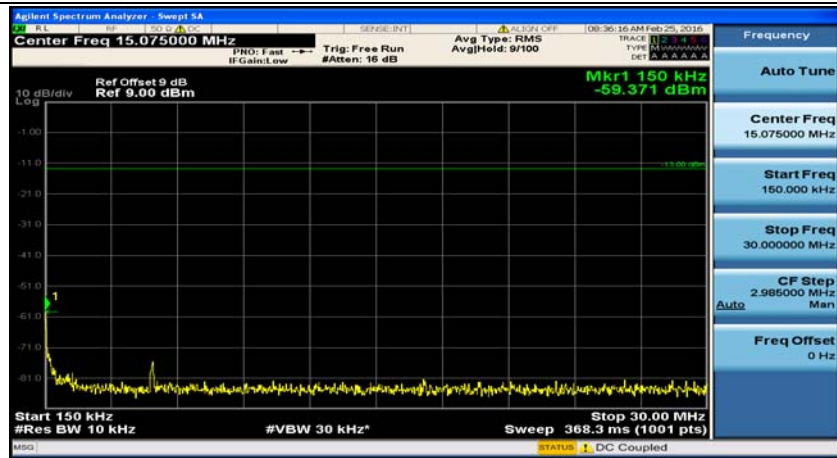


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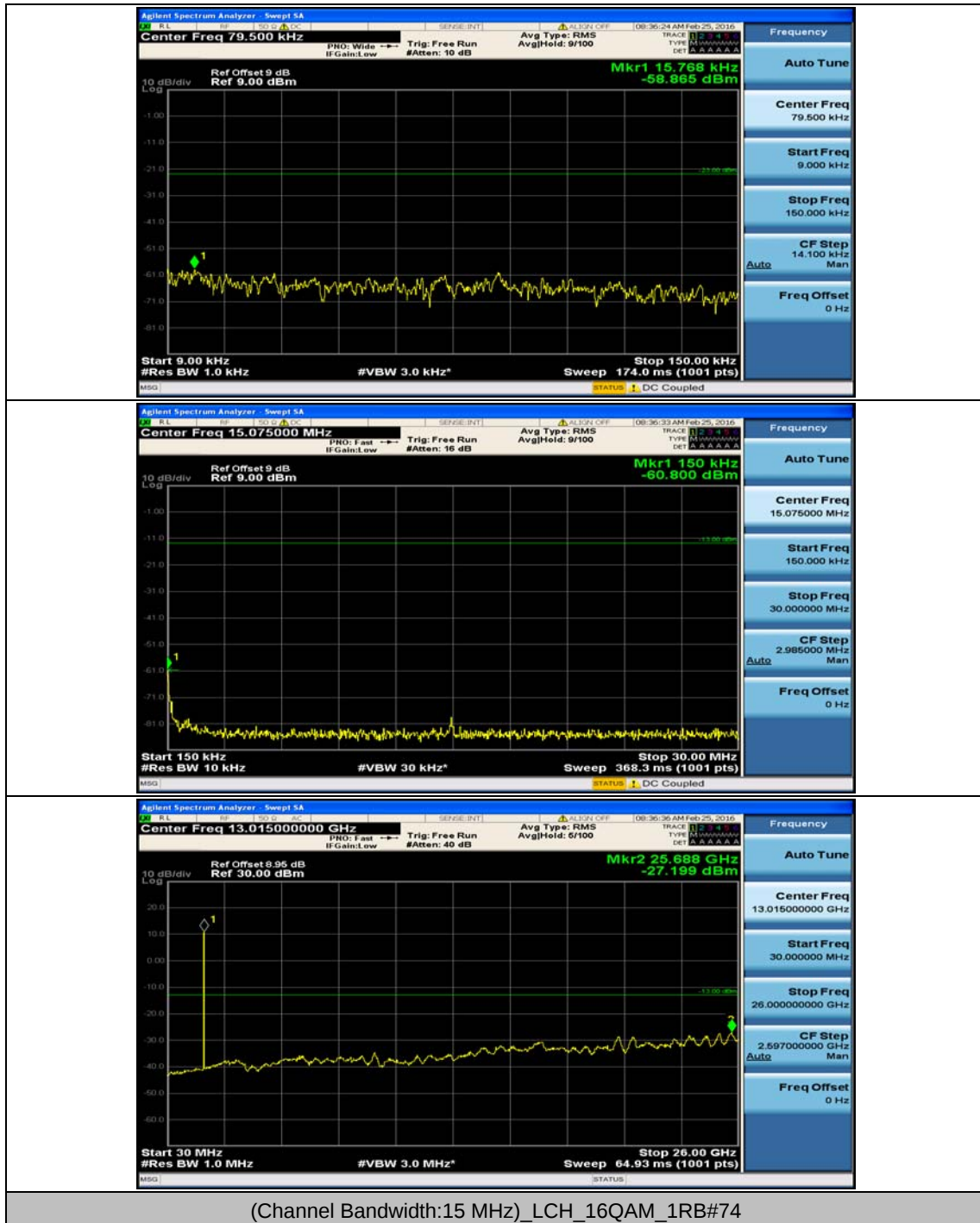


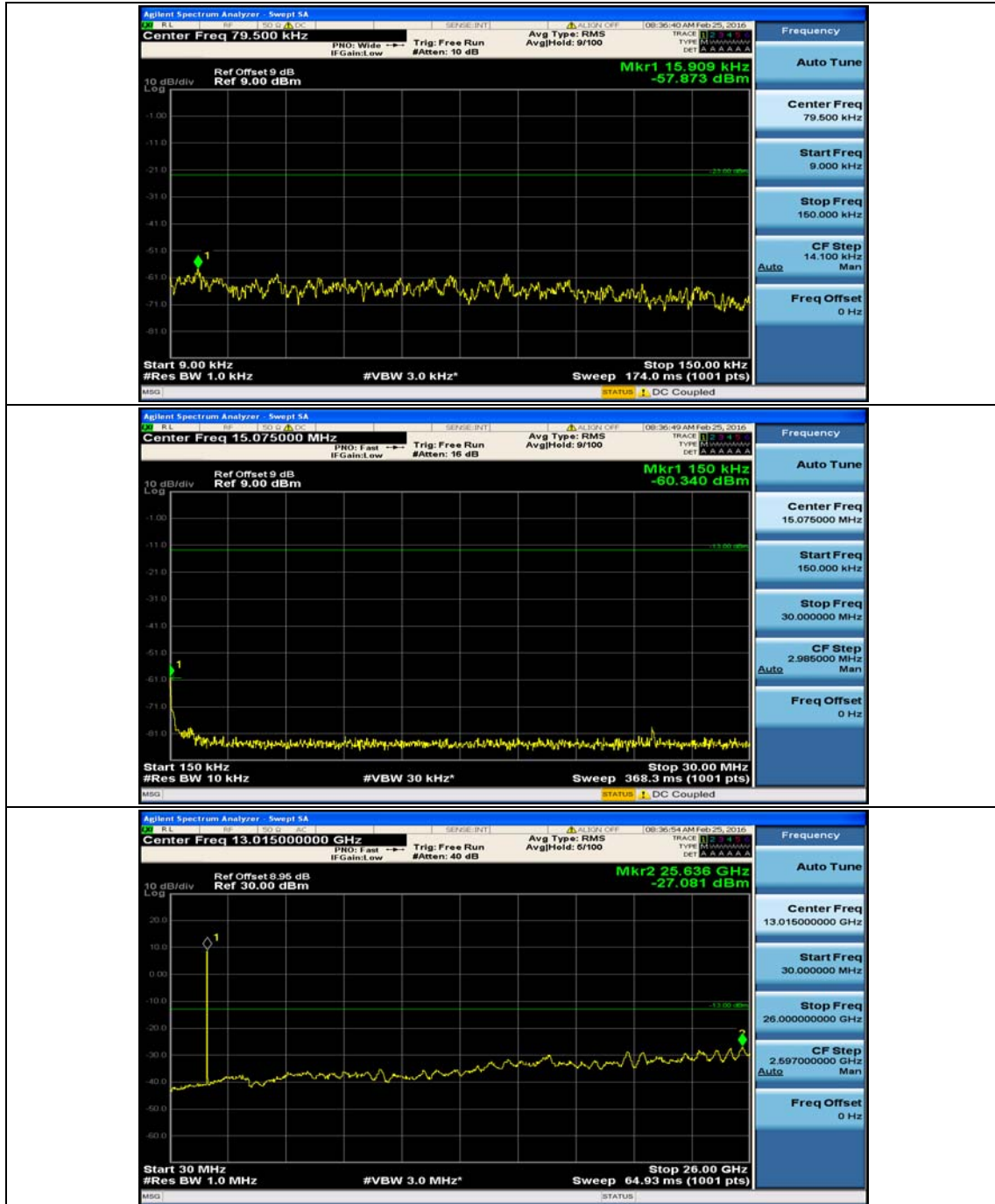


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

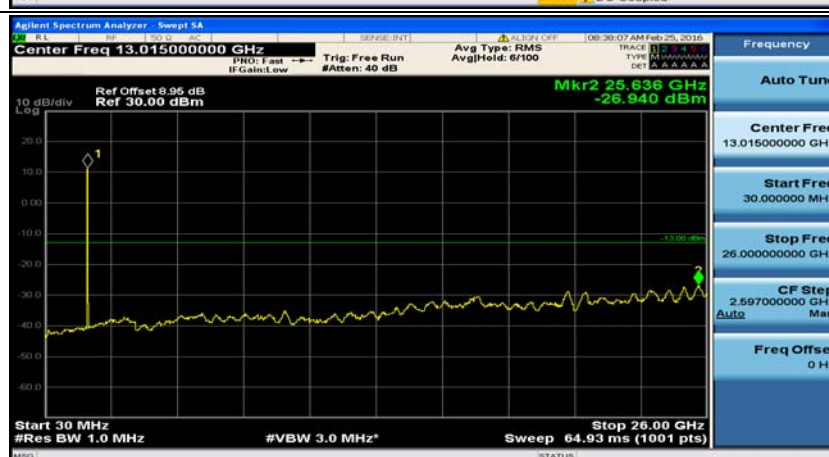
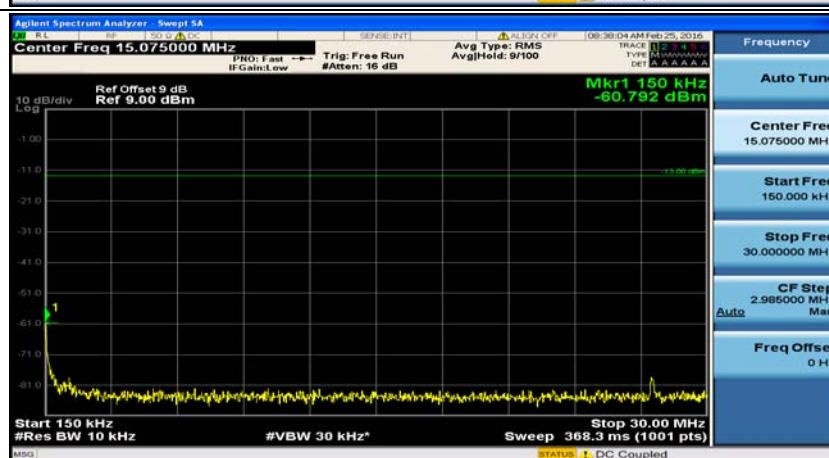
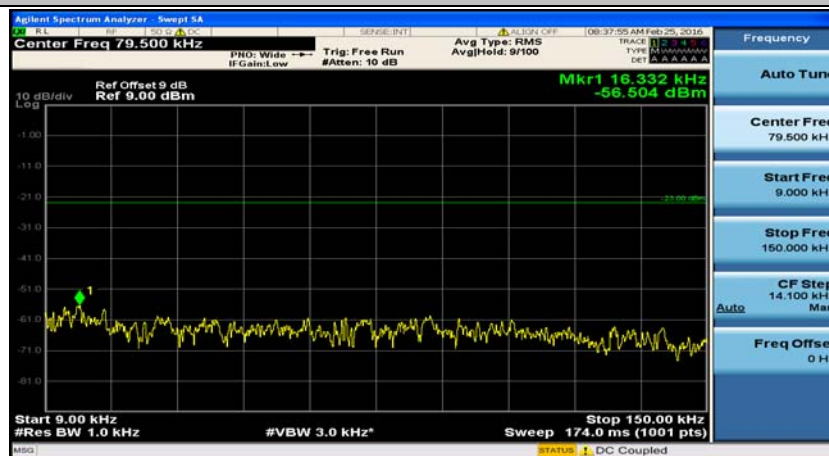


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

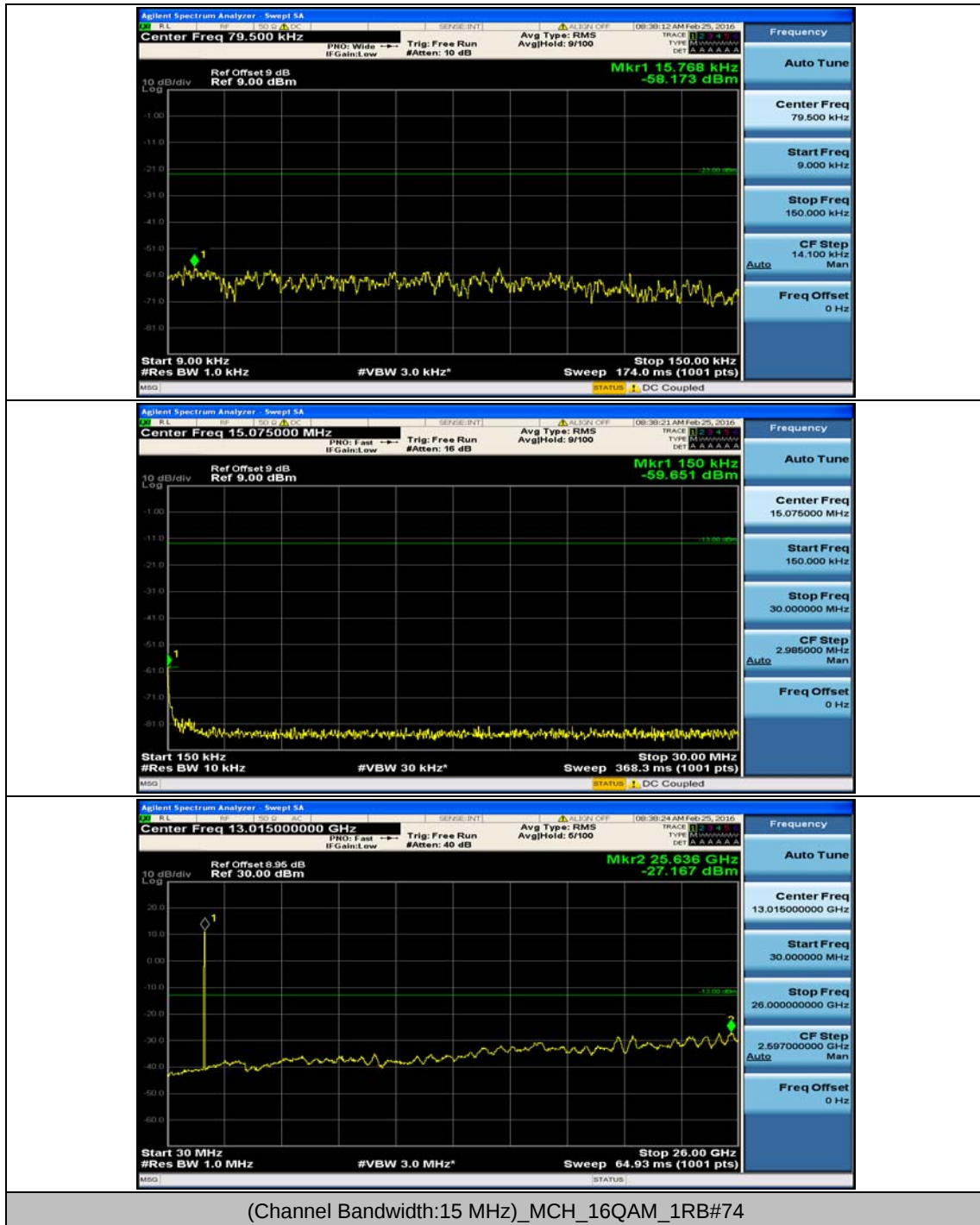


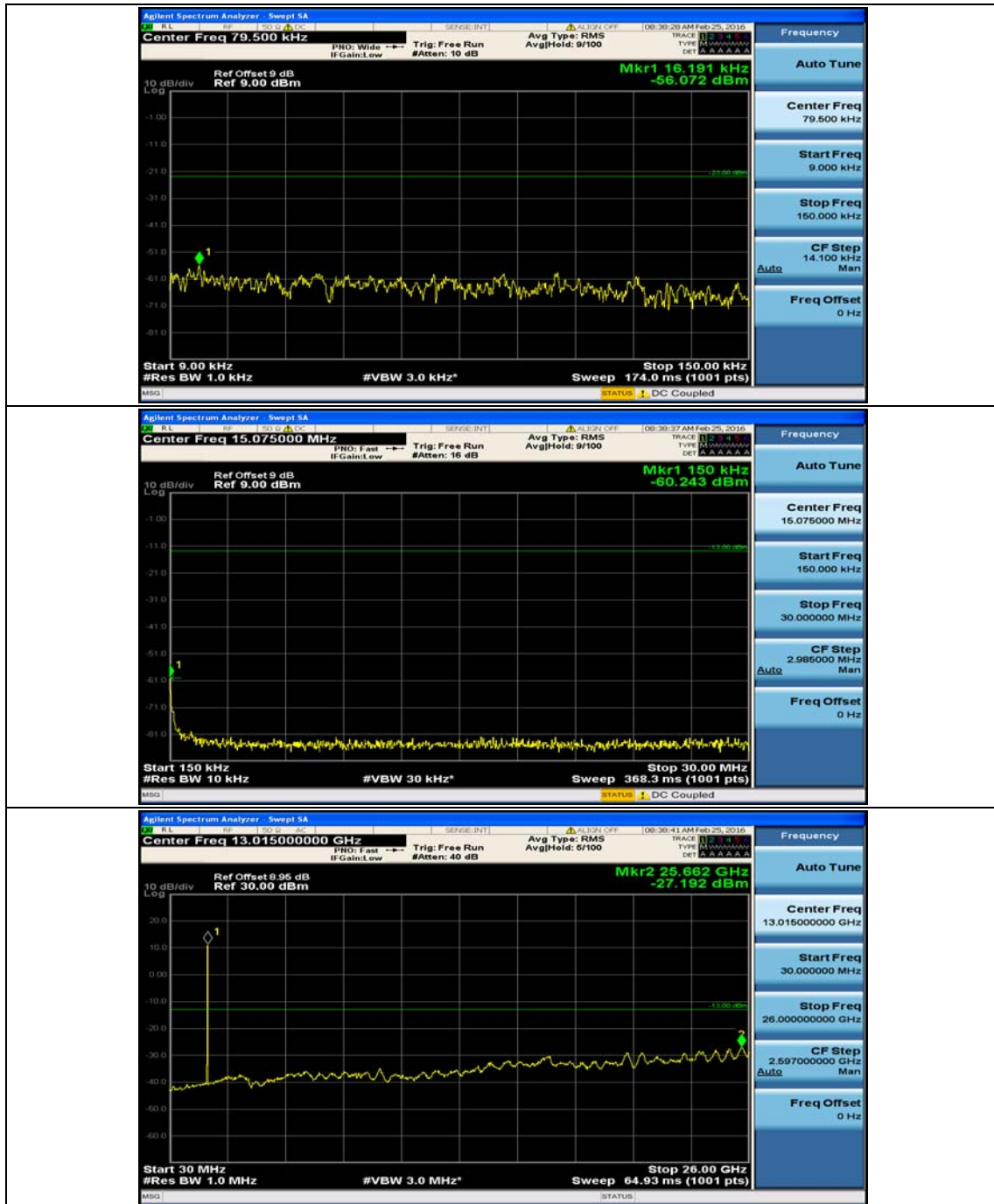


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

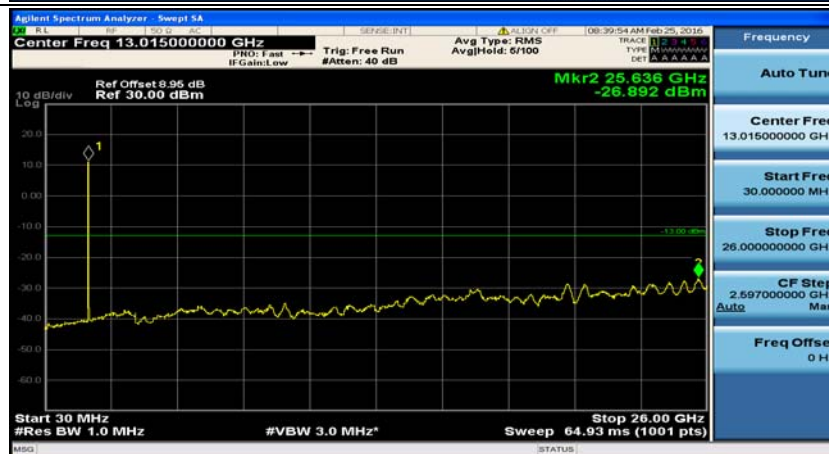
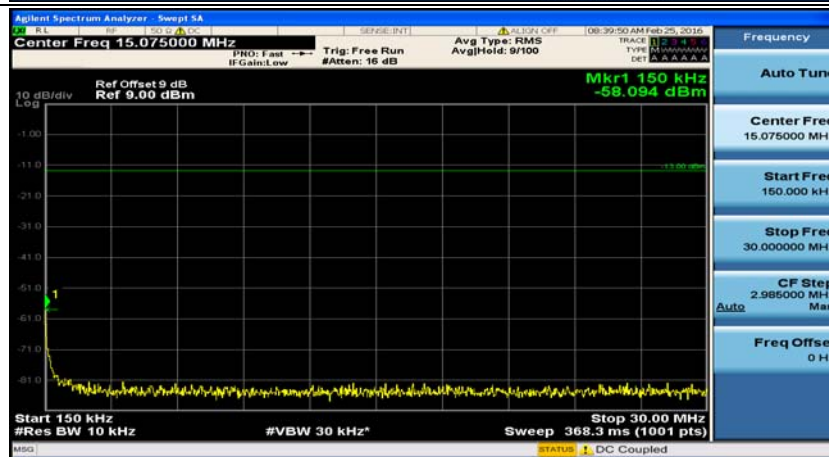


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

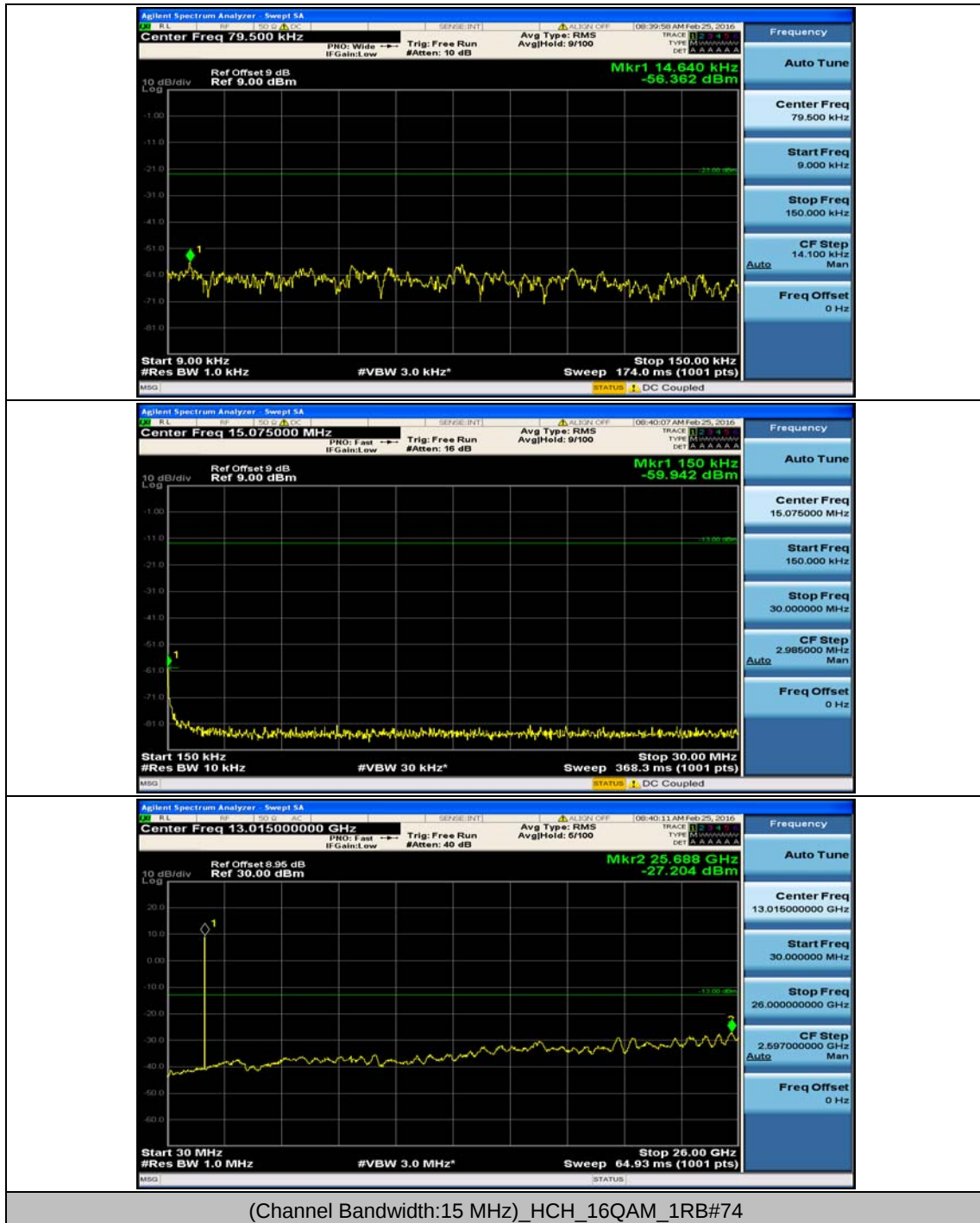


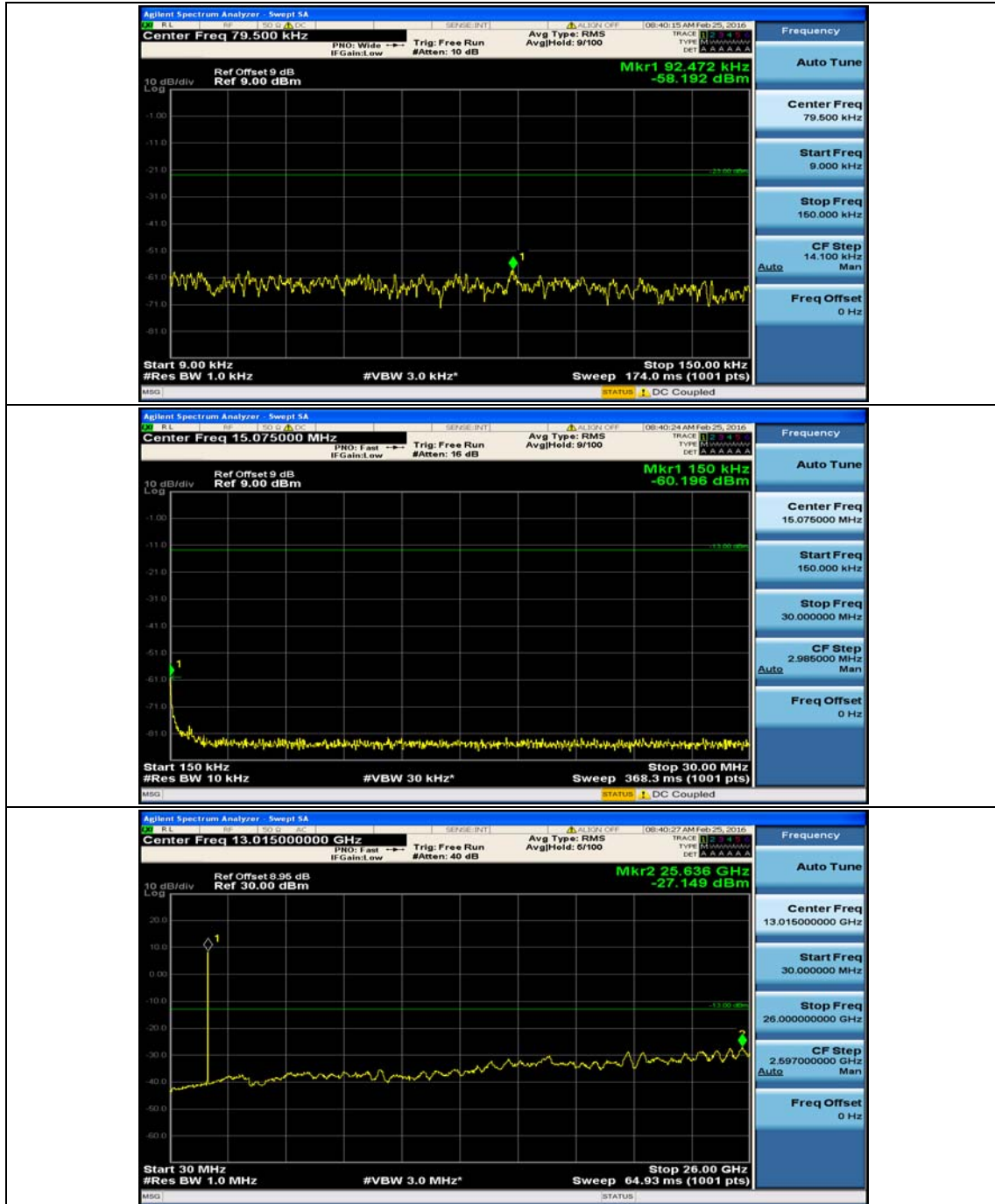


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

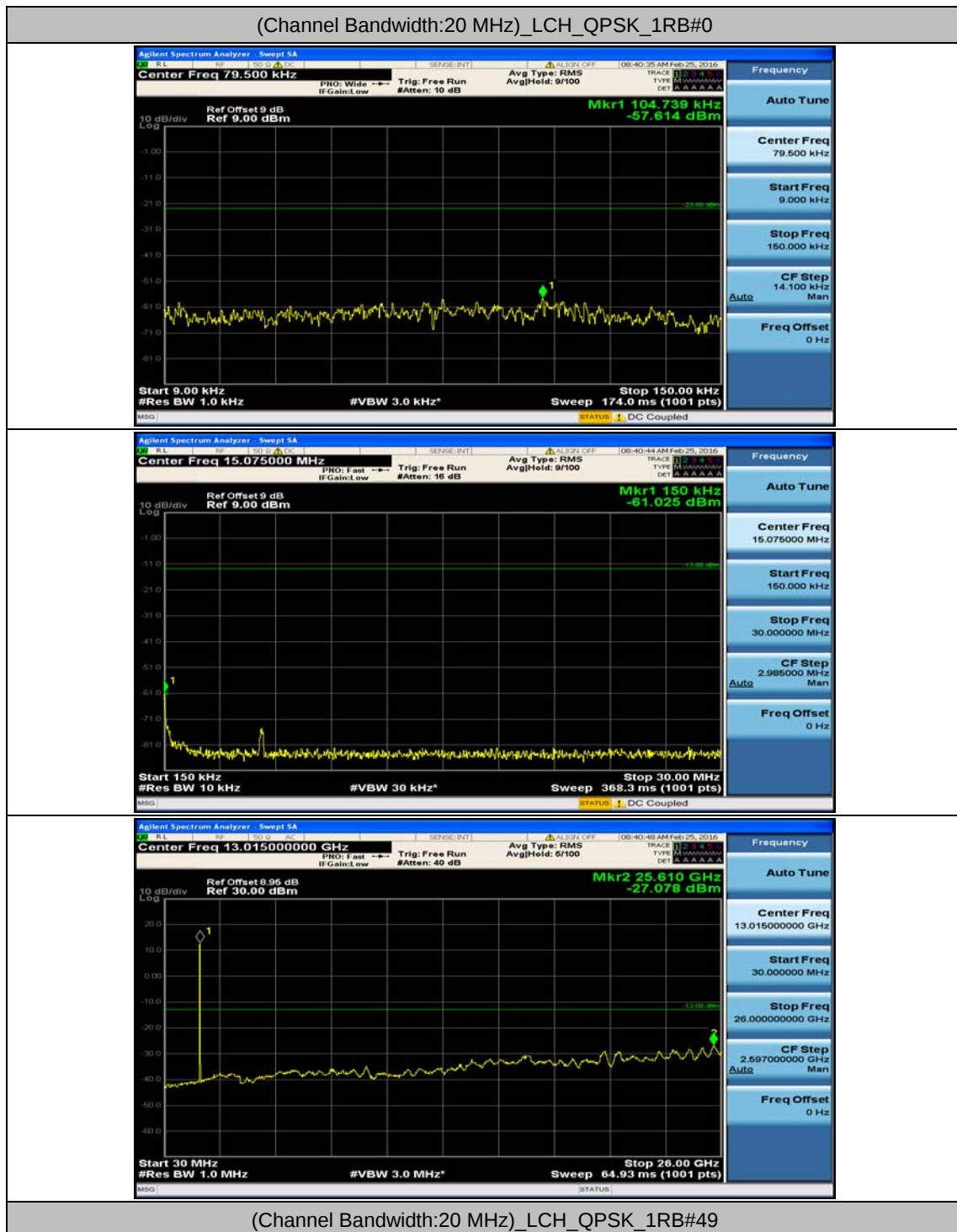


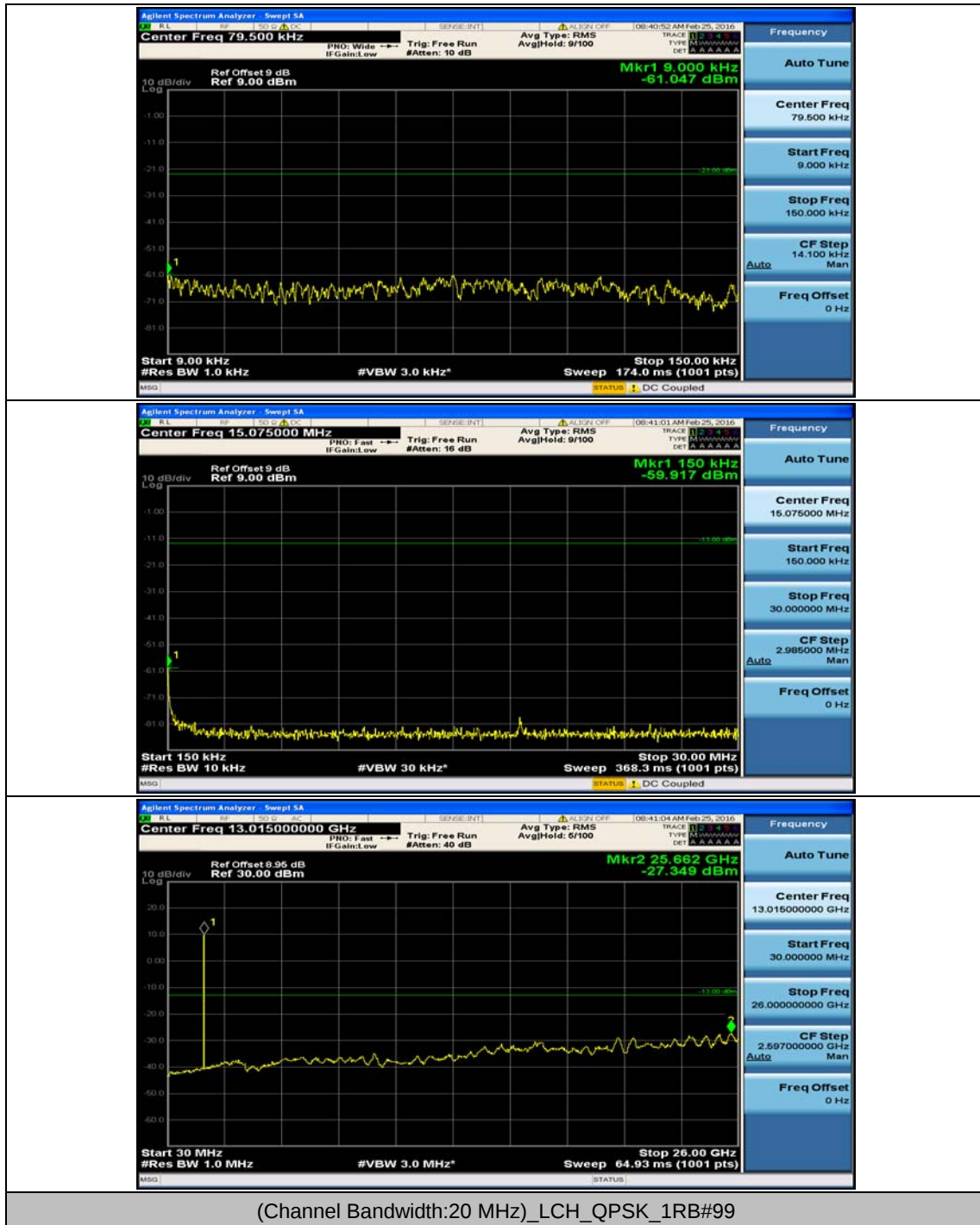
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

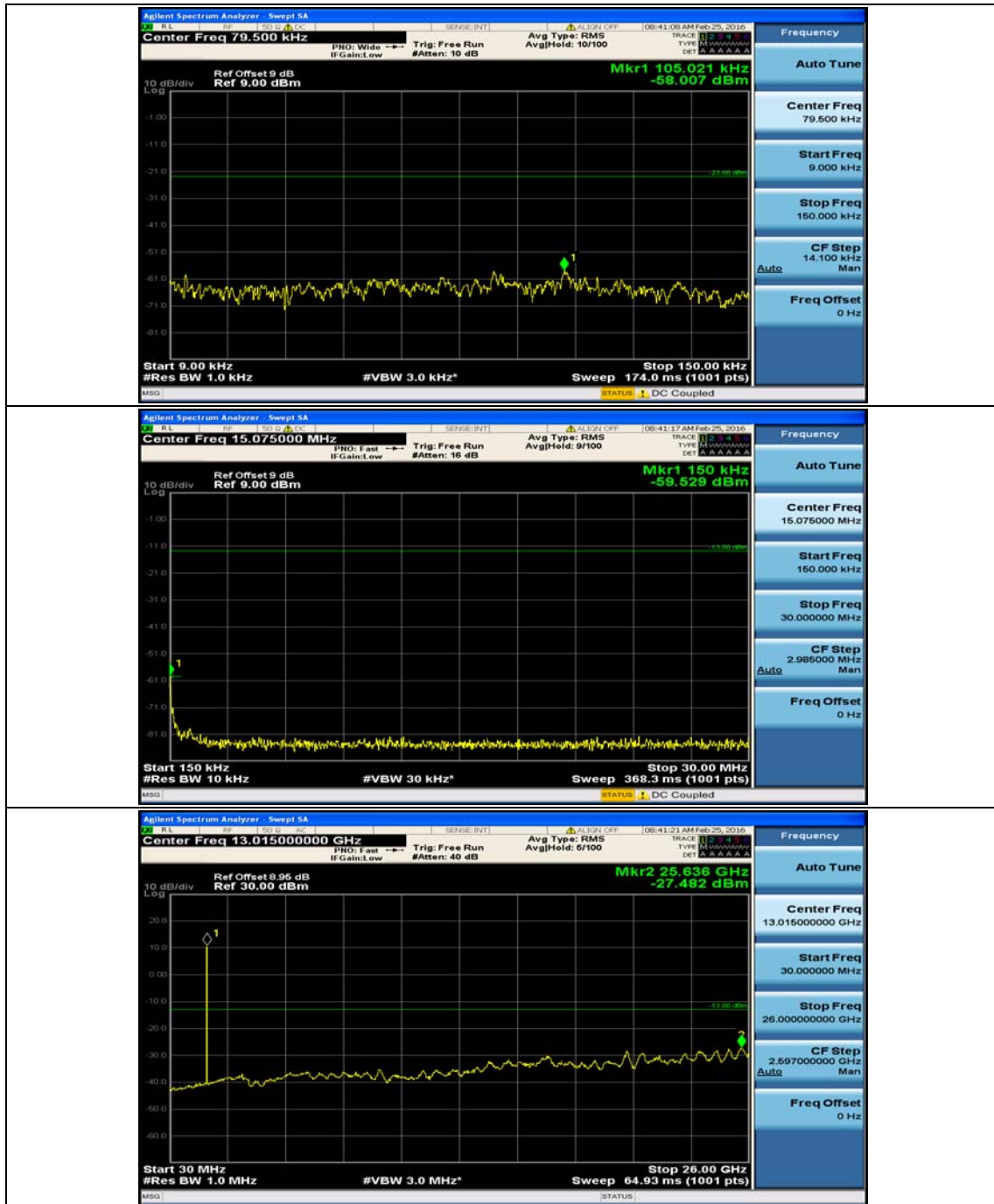




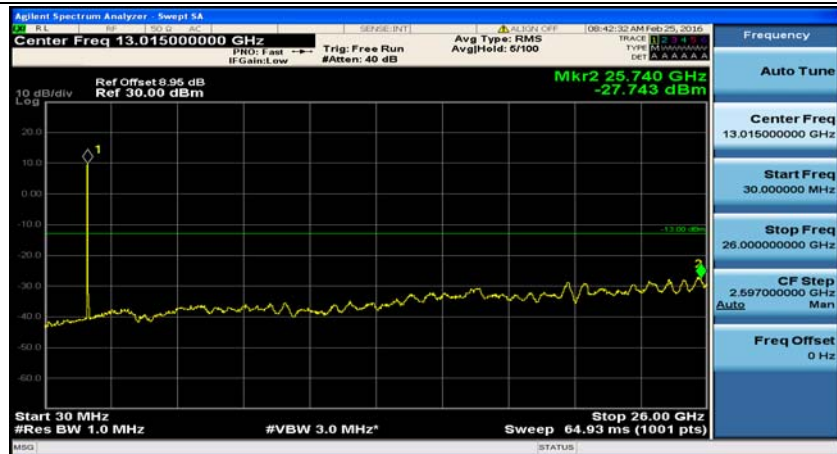
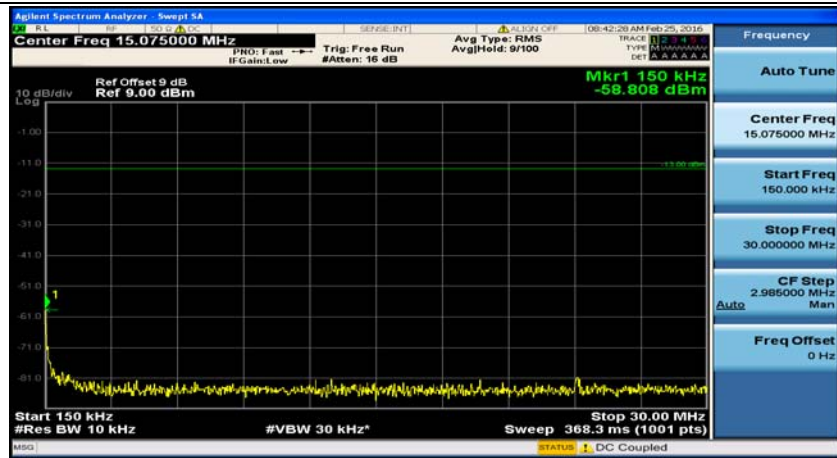
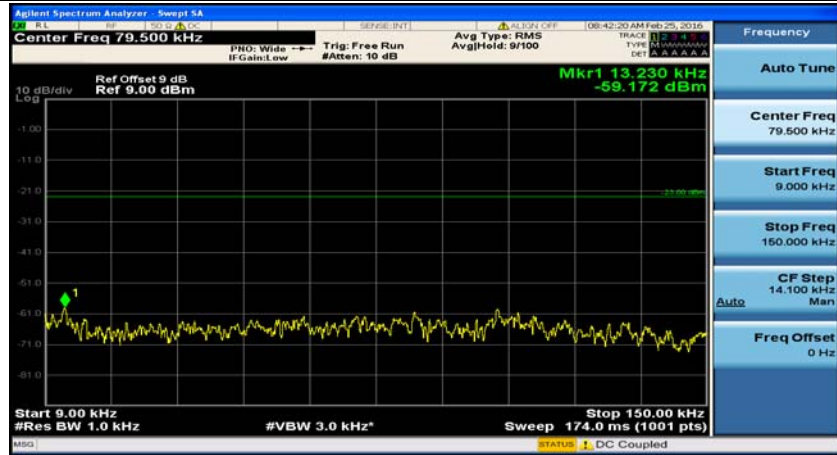
Channel Bandwidth: 20 MHz



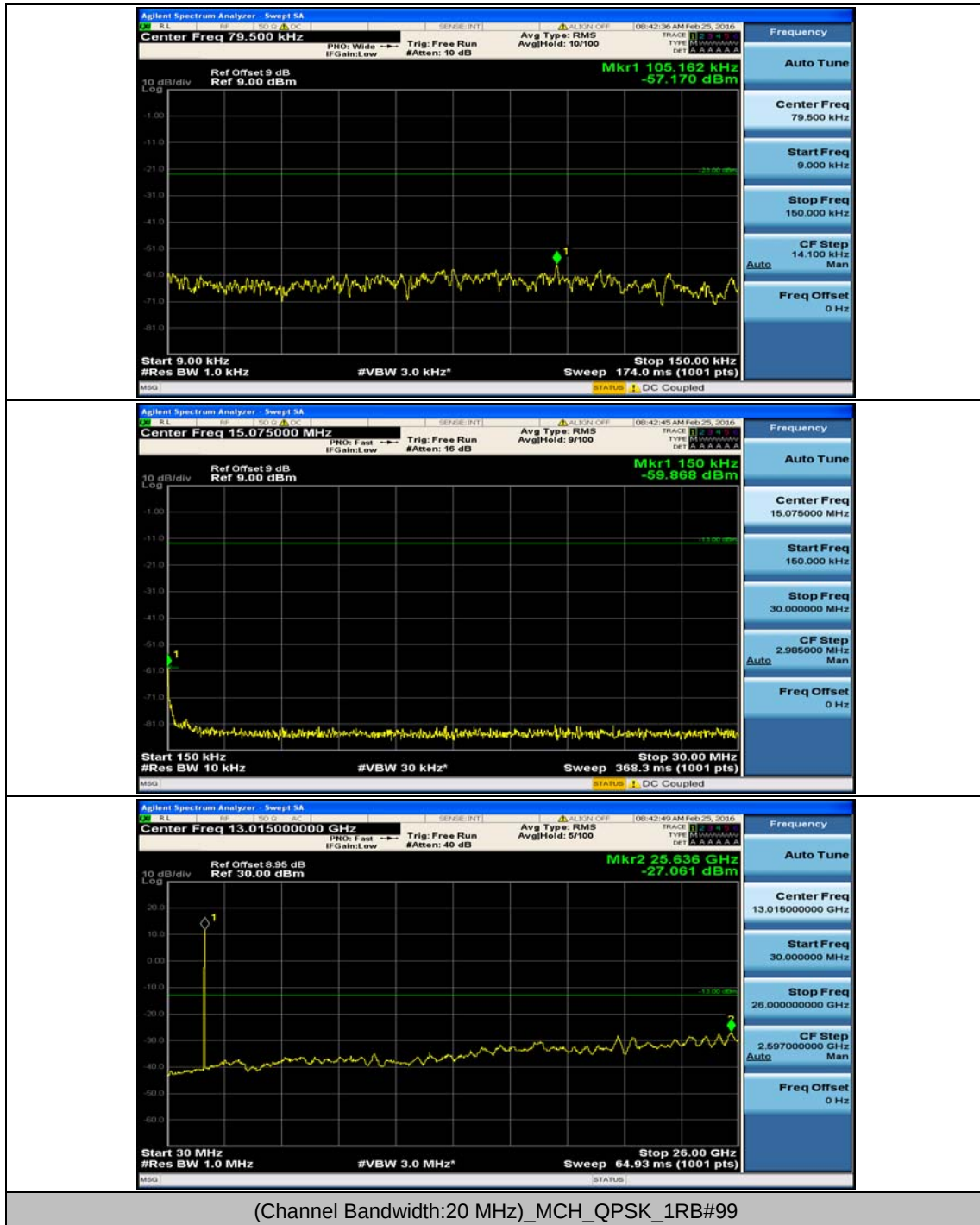


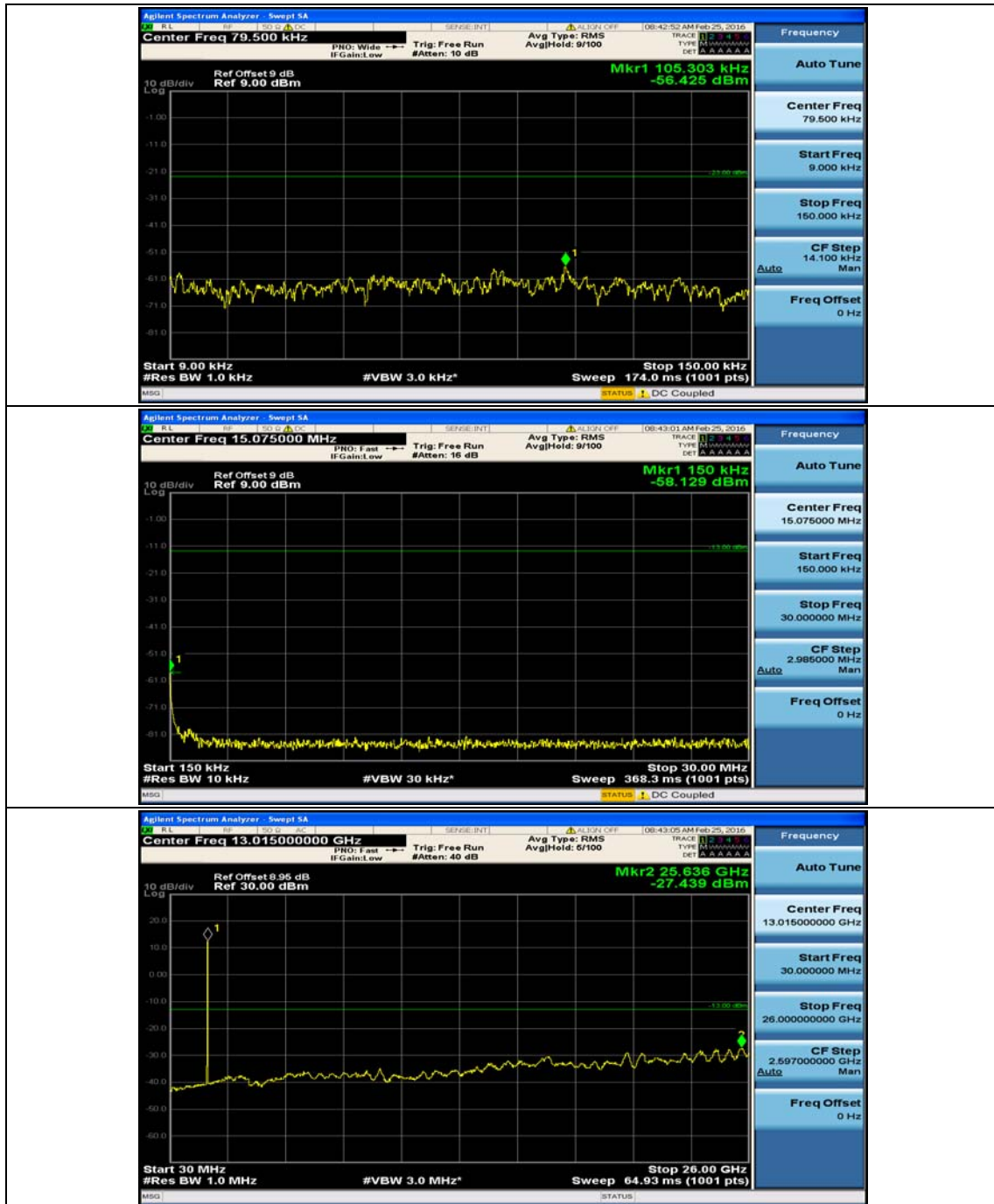


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

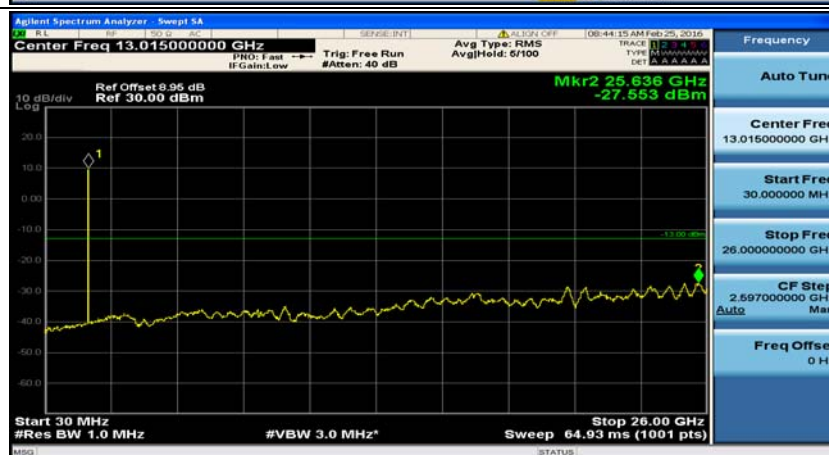
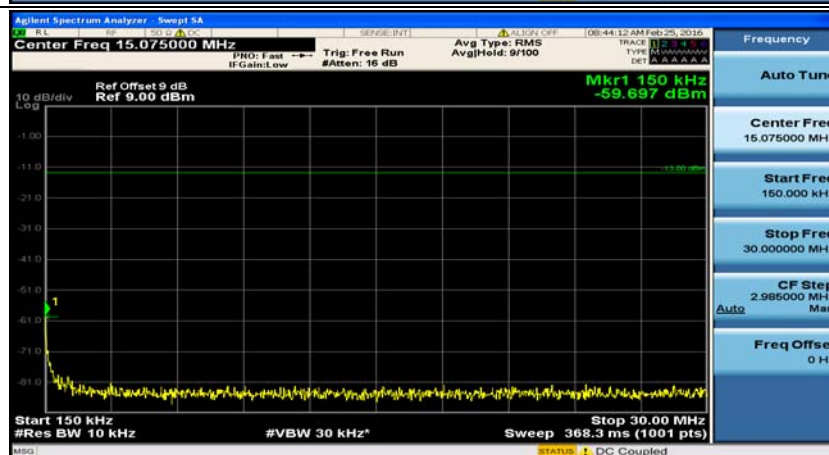
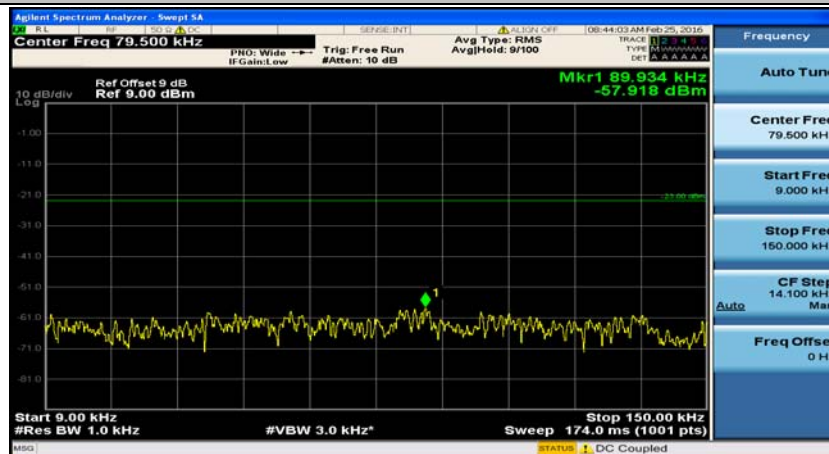


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

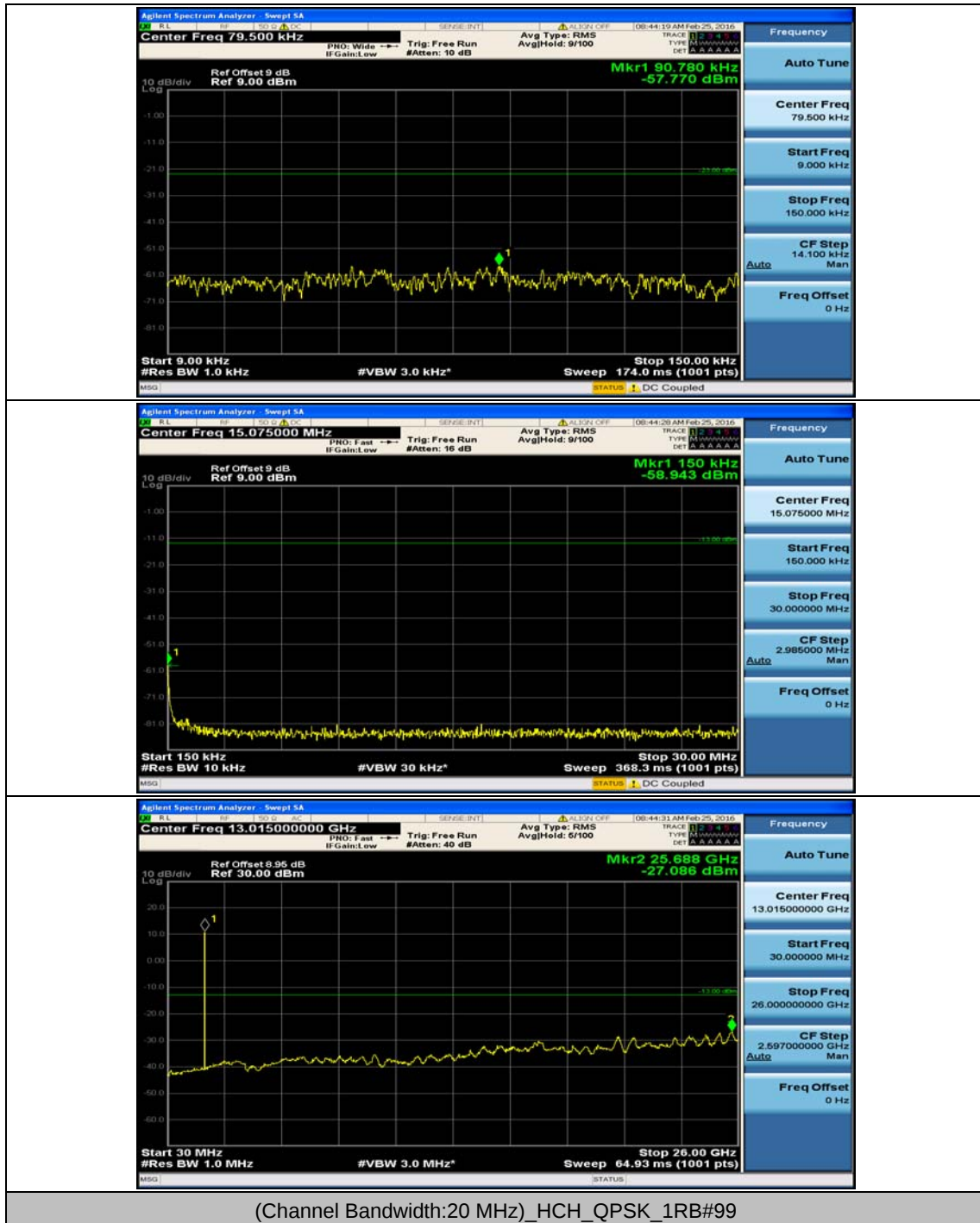


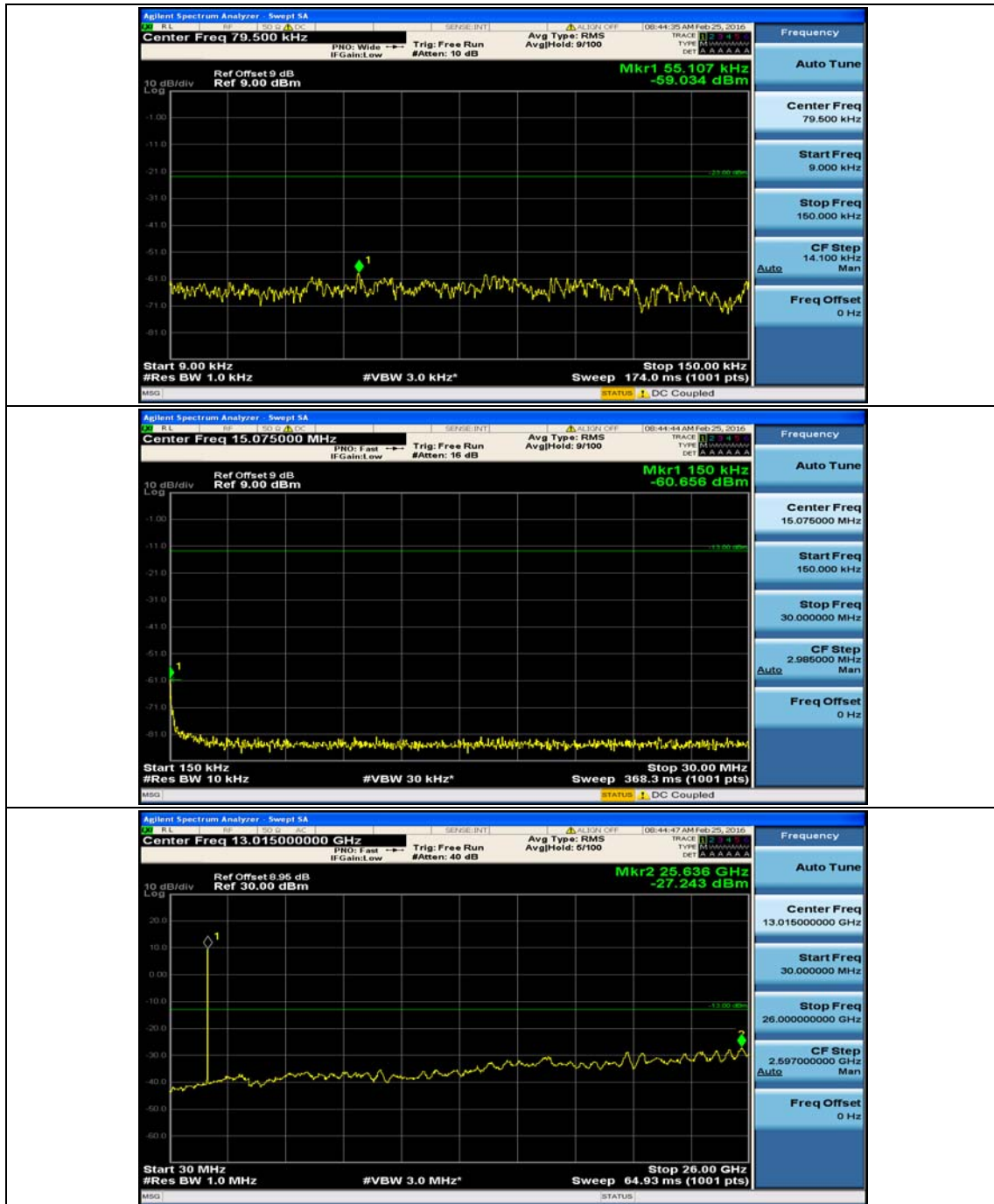


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

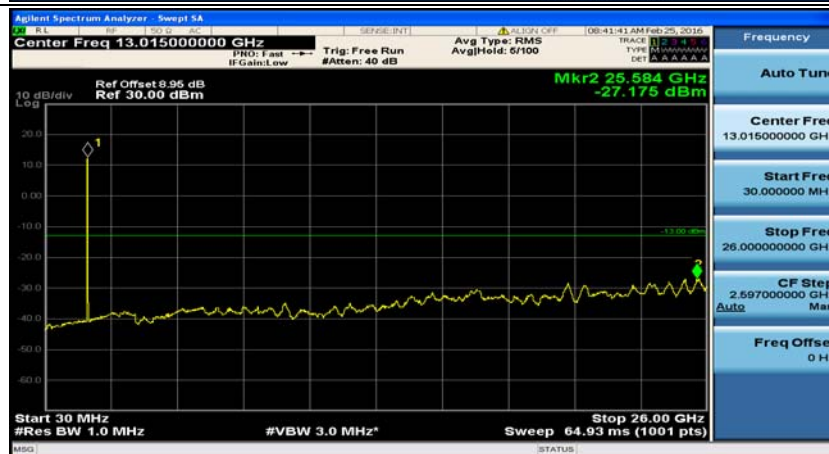
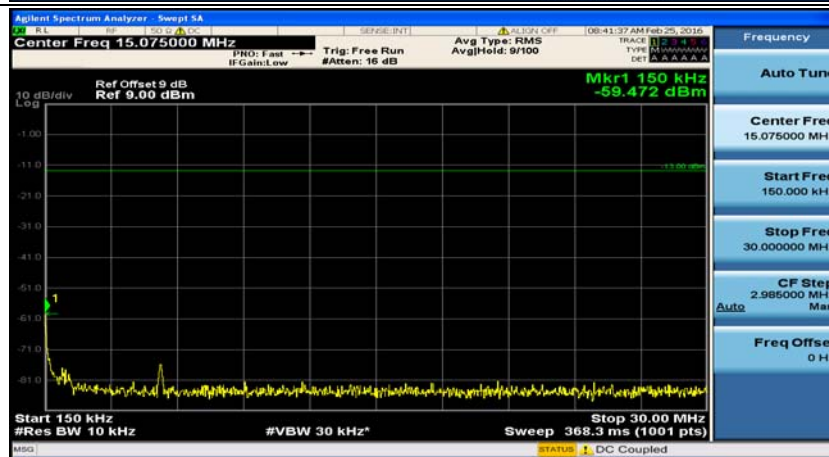


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

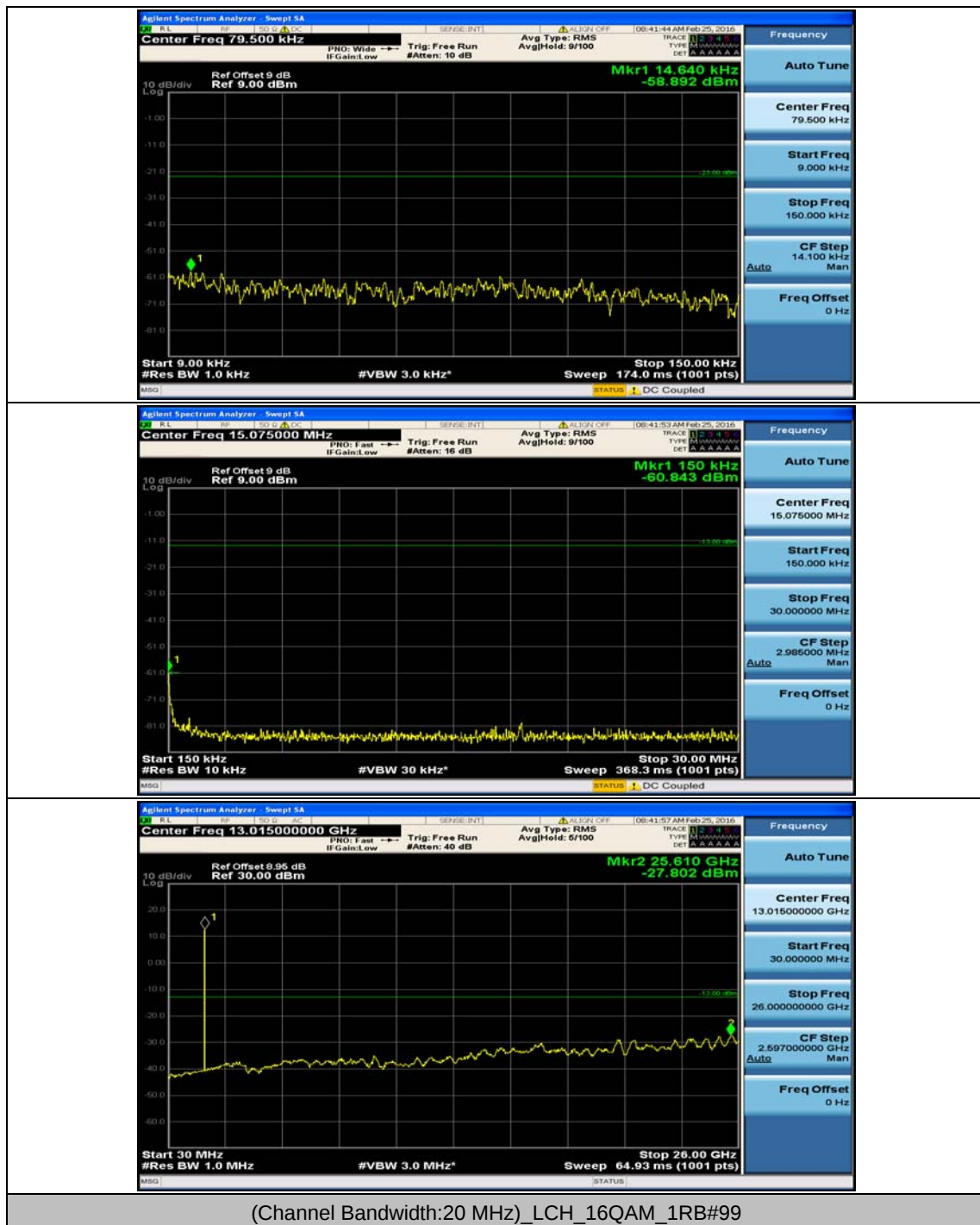


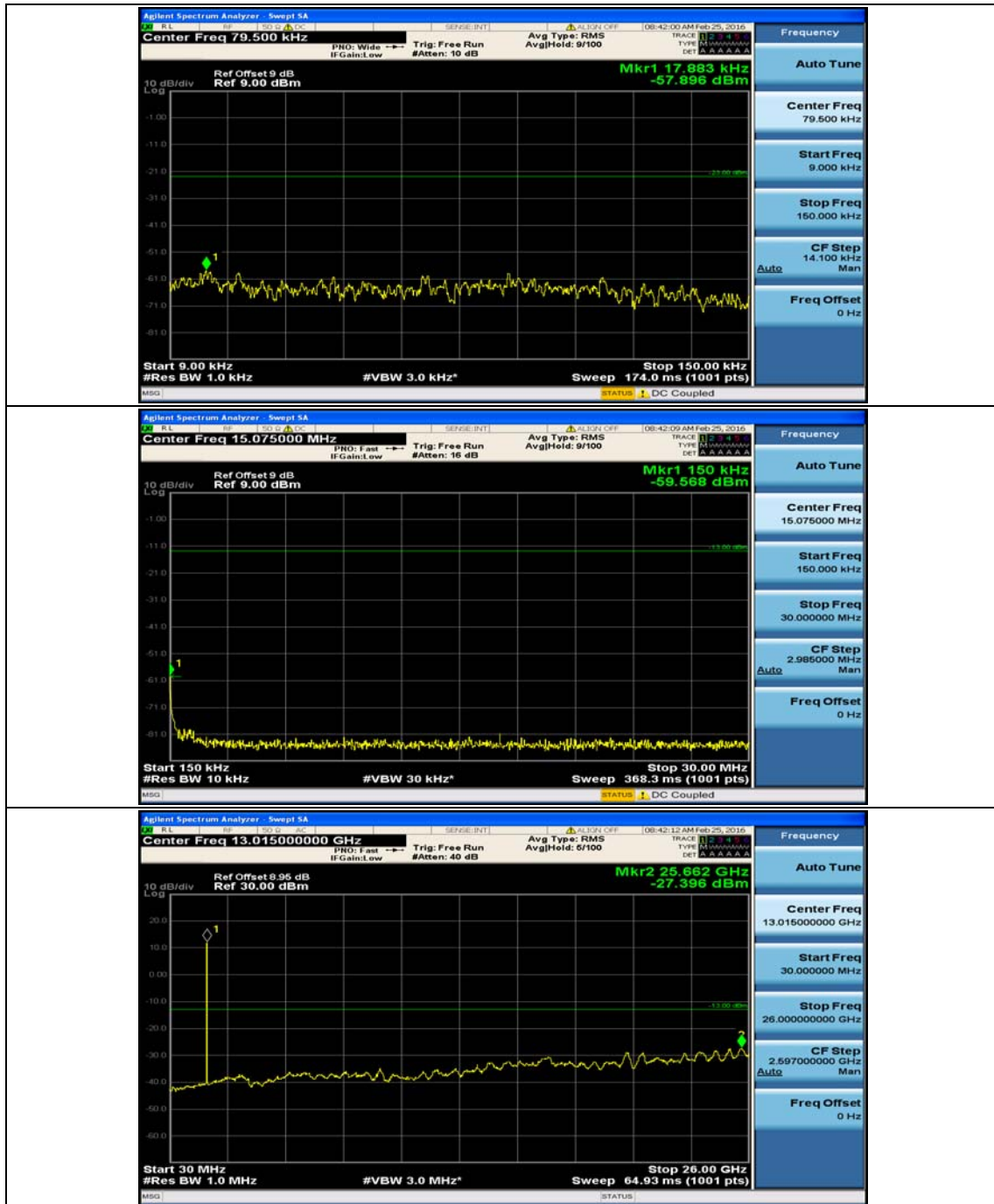


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

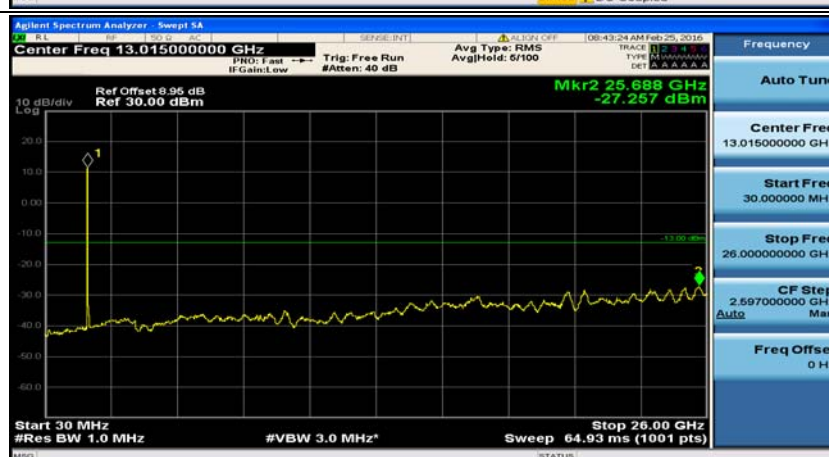
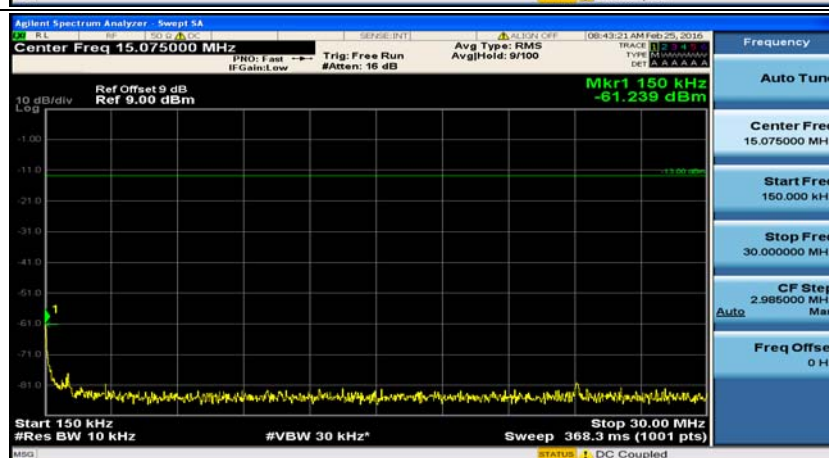
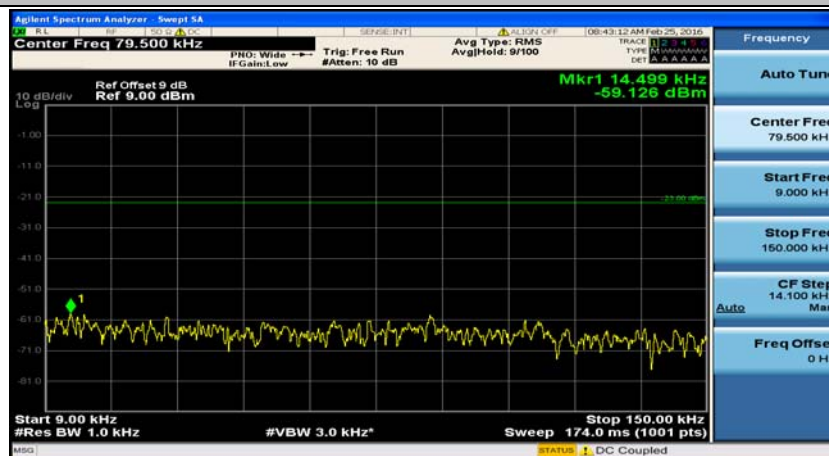


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

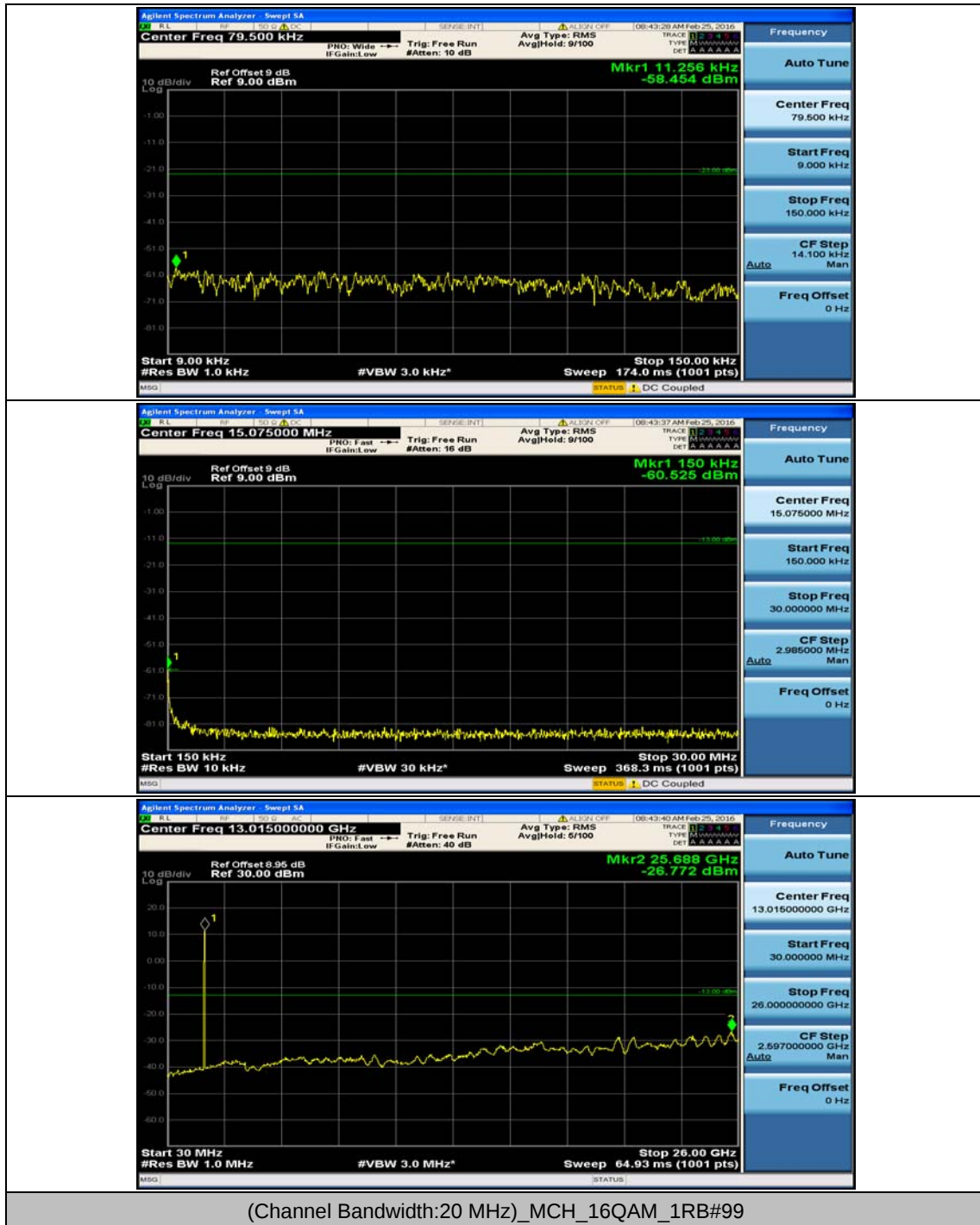


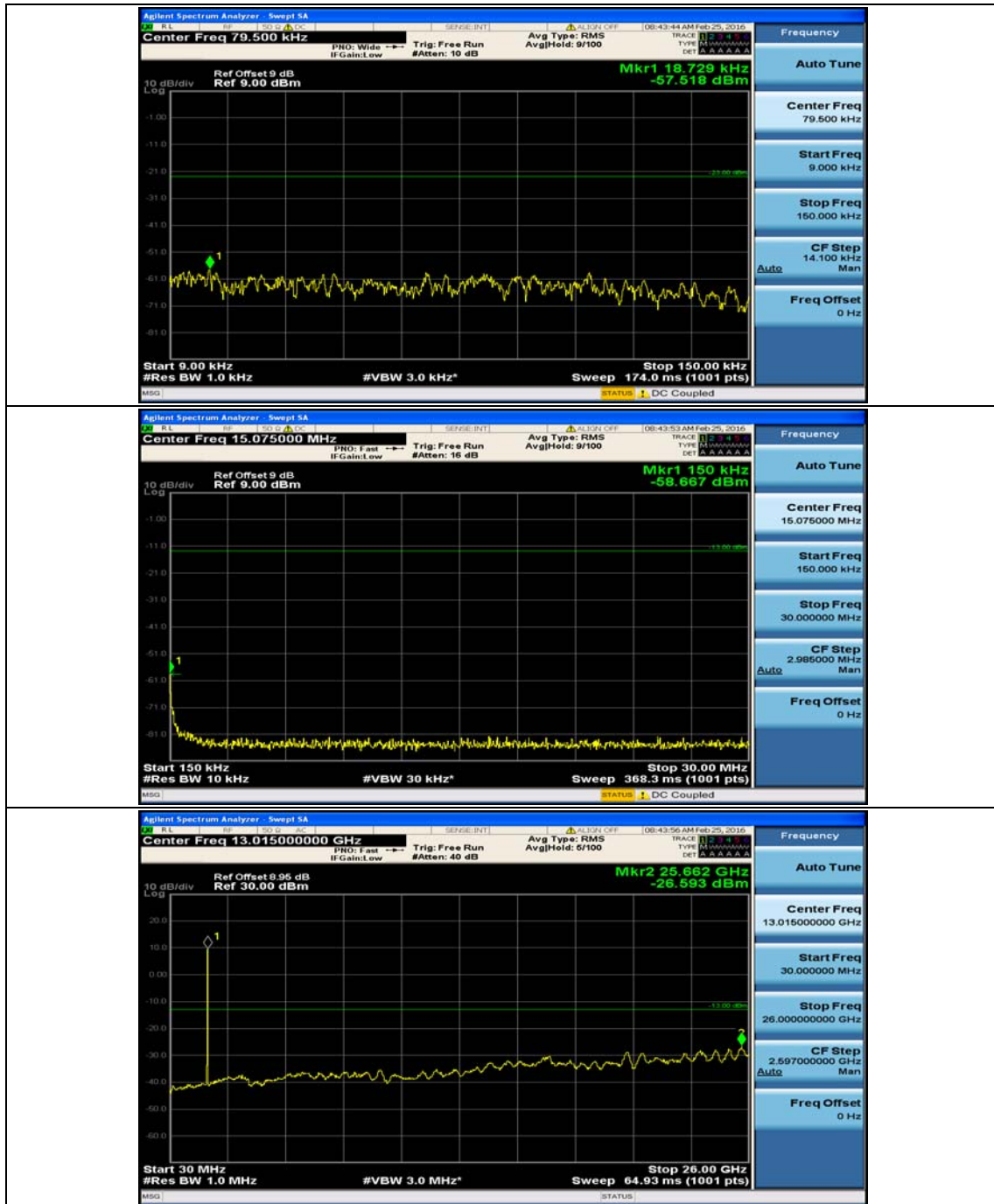


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

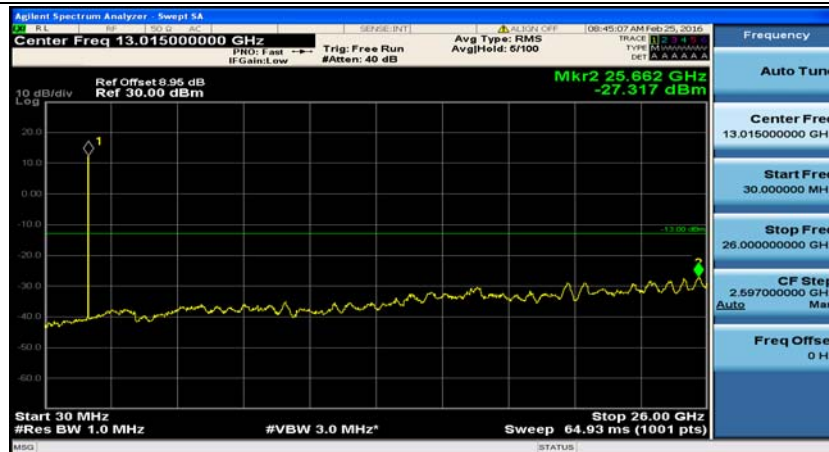
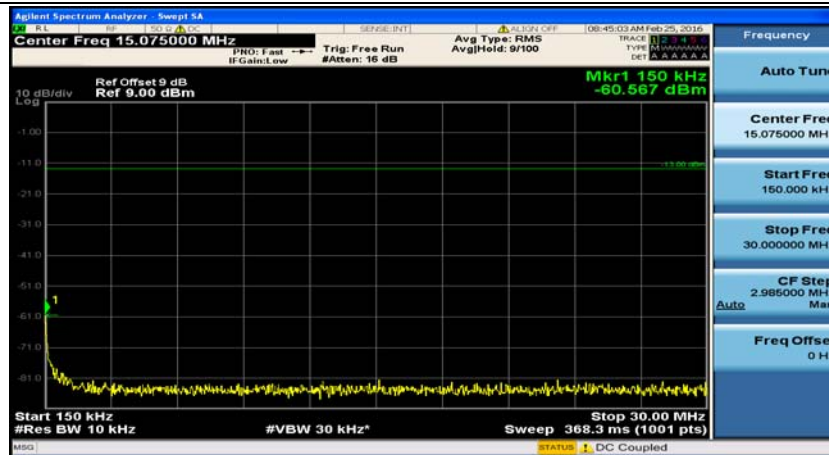
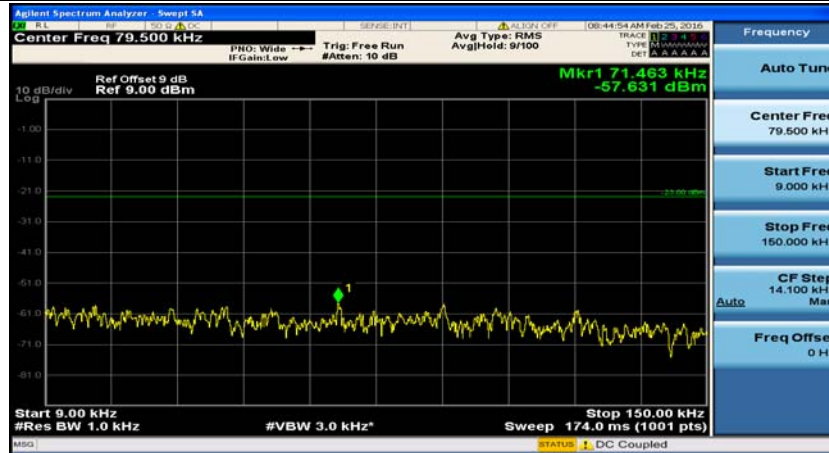


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

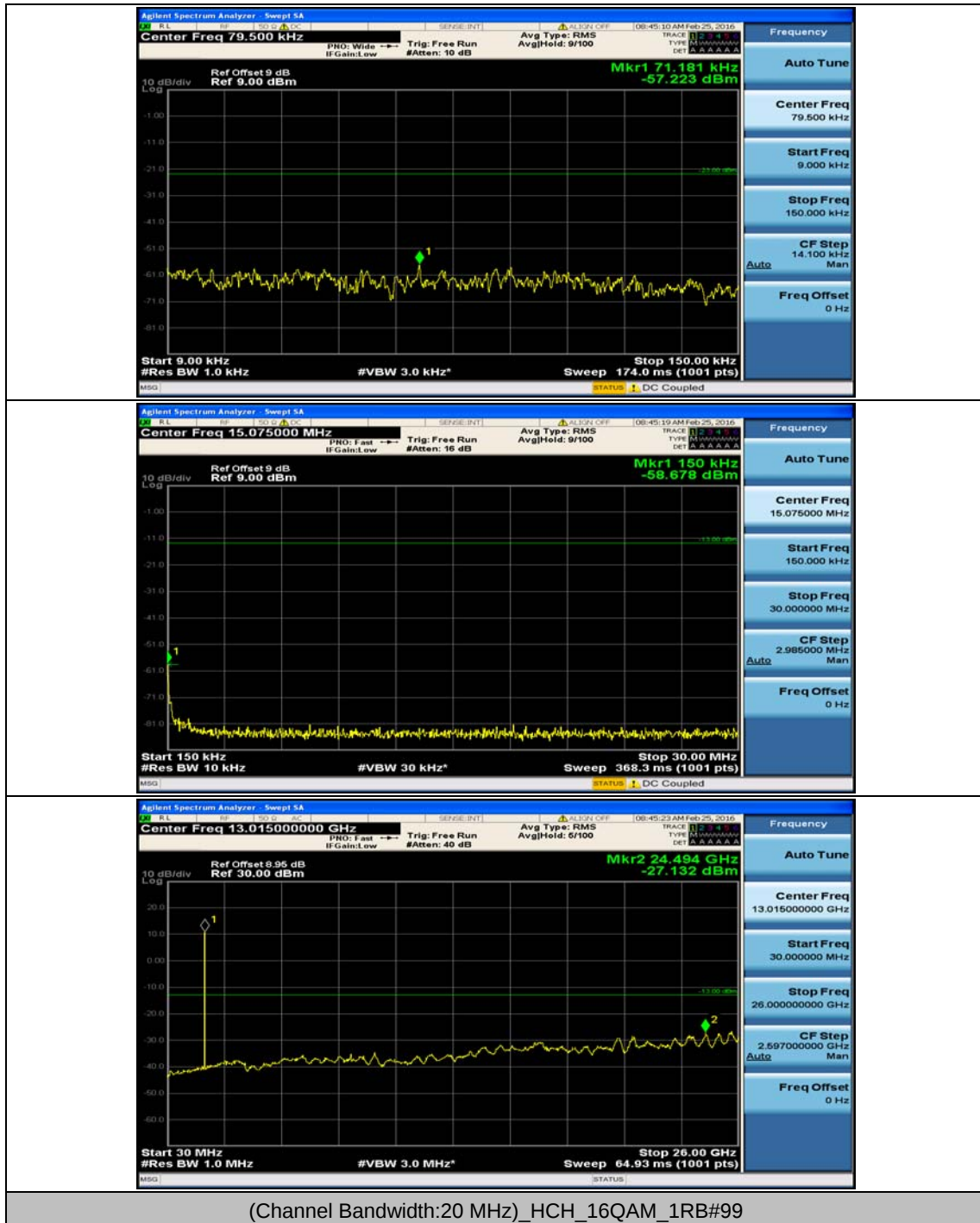


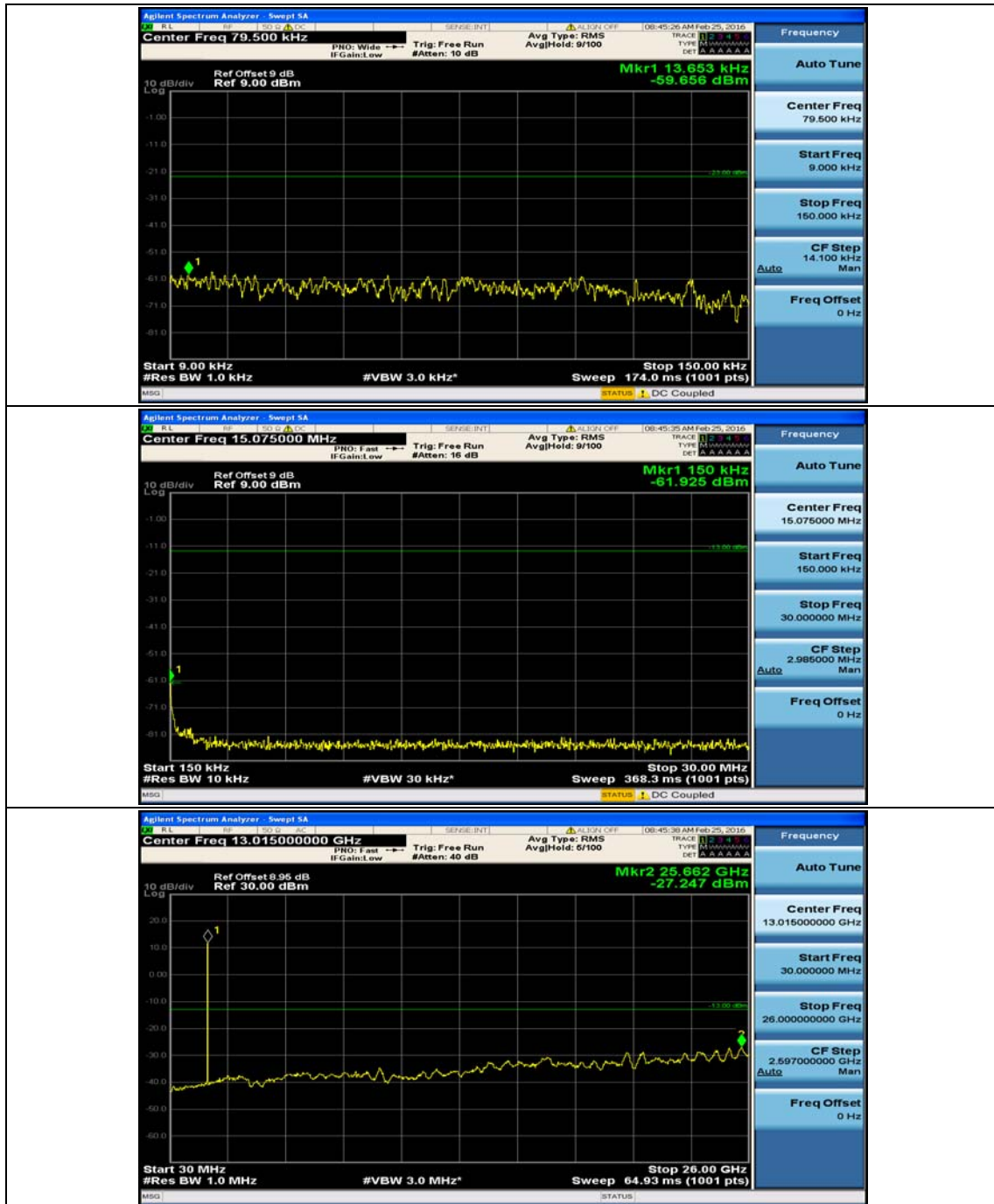


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.97	0.000567	± 2.5	PASS
		VN	TN	4.89	0.002858	± 2.5	PASS
		VH	TN	-0.33	-0.000193	± 2.5	PASS
	MCH	VL	TN	-0.61	-0.000352	± 2.5	PASS
		VN	TN	2.73	0.001576	± 2.5	PASS
		VH	TN	-0.41	-0.000237	± 2.5	PASS
	HCH	VL	TN	-1.33	-0.000758	± 2.5	PASS
		VN	TN	0.77	0.000439	± 2.5	PASS
		VH	TN	4.08	0.002326	± 2.5	PASS
16QAM	LCH	VL	TN	2.48	0.001450	± 2.5	PASS
		VN	TN	2.35	0.001374	± 2.5	PASS
		VH	TN	0.06	0.000035	± 2.5	PASS
	MCH	VL	TN	-0.56	-0.000323	± 2.5	PASS
		VN	TN	1.27	0.000733	± 2.5	PASS
		VH	TN	-0.75	-0.000433	± 2.5	PASS
	HCH	VL	TN	3.5	0.001995	± 2.5	PASS
		VN	TN	-0.19	-0.000108	± 2.5	PASS
		VH	TN	-0.07	-0.000040	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.16	-0.000094	± 2.5	PASS
		VN	-20	4.87	0.002847	± 2.5	PASS
		VN	-10	-1.37	-0.000801	± 2.5	PASS
		VN	0	-0.53	-0.000310	± 2.5	PASS
		VN	10	-1.11	-0.000649	± 2.5	PASS
		VN	20	4.64	0.002712	± 2.5	PASS
		VN	30	2.79	0.001631	± 2.5	PASS
		VN	40	2.29	0.001339	± 2.5	PASS
		VN	50	-0.46	-0.000269	± 2.5	PASS
	MCH	VN	-30	4.03	0.002326	± 2.5	PASS

		VN	-20	-1.98	-0.001143	± 2.5	PASS
		VN	-10	-1.21	-0.000698	± 2.5	PASS
		VN	0	-1.1	-0.000635	± 2.5	PASS
		VN	10	-0.32	-0.000185	± 2.5	PASS
		VN	20	2.04	0.001177	± 2.5	PASS
		VN	30	3.96	0.002286	± 2.5	PASS
		VN	40	2.11	0.001218	± 2.5	PASS
		VN	50	-0.7	-0.000404	± 2.5	PASS
	HCH	VN	-30	-1.61	-0.000918	± 2.5	PASS
		VN	-20	1.12	0.000638	± 2.5	PASS
		VN	-10	3.57	0.002035	± 2.5	PASS
		VN	0	-0.08	-0.000046	± 2.5	PASS
		VN	10	0.88	0.000502	± 2.5	PASS
		VN	20	2.41	0.001374	± 2.5	PASS
		VN	30	4.32	0.002463	± 2.5	PASS
		VN	40	3.72	0.002121	± 2.5	PASS
		VN	50	-1.39	-0.000792	± 2.5	PASS
16QAM	LCH	VN	-30	2.78	0.001625	± 2.5	PASS
		VN	-20	2.44	0.001426	± 2.5	PASS
		VN	-10	-0.55	-0.000322	± 2.5	PASS
		VN	0	1.28	0.000748	± 2.5	PASS
		VN	10	0.03	0.000018	± 2.5	PASS
		VN	20	3.38	0.001976	± 2.5	PASS
		VN	30	2.73	0.001596	± 2.5	PASS
		VN	40	0.16	0.000094	± 2.5	PASS
		VN	50	0.27	0.000158	± 2.5	PASS
	MCH	VN	-30	1.46	0.000843	± 2.5	PASS
		VN	-20	4.67	0.002696	± 2.5	PASS
		VN	-10	2.9	0.001674	± 2.5	PASS
		VN	0	-0.32	-0.000185	± 2.5	PASS
		VN	10	-0.67	-0.000387	± 2.5	PASS
		VN	20	-1.68	-0.000970	± 2.5	PASS
		VN	30	-0.88	-0.000508	± 2.5	PASS
		VN	40	0.91	0.000525	± 2.5	PASS
		VN	50	3.31	0.001911	± 2.5	PASS
	HCH	VN	-30	3.65	0.002081	± 2.5	PASS
		VN	-20	0.09	0.000051	± 2.5	PASS
		VN	-10	-1.79	-0.001020	± 2.5	PASS
		VN	0	-1.24	-0.000707	± 2.5	PASS
		VN	10	-1.25	-0.000713	± 2.5	PASS
		VN	20	2.54	0.001448	± 2.5	PASS

		VN	30	0.15	0.000086	± 2.5	PASS
		VN	40	0.82	0.000467	± 2.5	PASS
		VN	50	4.97	0.002833	± 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	-1.33	-0.000777	± 2.5	PASS
		VN	TN	1.6	0.000935	± 2.5	PASS
		VH	TN	0.44	0.000257	± 2.5	PASS
	MCH	VL	TN	3.34	0.001928	± 2.5	PASS
		VN	TN	2.58	0.001489	± 2.5	PASS
		VH	TN	-0.64	-0.000369	± 2.5	PASS
	HCH	VL	TN	4.29	0.002447	± 2.5	PASS
		VN	TN	2.89	0.001648	± 2.5	PASS
		VH	TN	0.54	0.000308	± 2.5	PASS
16QAM	LCH	VL	TN	0.35	0.000204	± 2.5	PASS
		VN	TN	1.95	0.001139	± 2.5	PASS
		VH	TN	-0.87	-0.000508	± 2.5	PASS
	MCH	VL	TN	2.4	0.001385	± 2.5	PASS
		VN	TN	0.22	0.000127	± 2.5	PASS
		VH	TN	-1.23	-0.000710	± 2.5	PASS
	HCH	VL	TN	2.9	0.001654	± 2.5	PASS
		VN	TN	4.77	0.002720	± 2.5	PASS
		VH	TN	0.43	0.000245	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.67	0.000976	± 2.5	PASS
		VN	-20	2.61	0.001525	± 2.5	PASS
		VN	-10	1.27	0.000742	± 2.5	PASS
		VN	0	1.05	0.000613	± 2.5	PASS
		VN	10	4.24	0.002477	± 2.5	PASS
		VN	20	-1.63	-0.000952	± 2.5	PASS
		VN	30	3.56	0.002080	± 2.5	PASS
		VN	40	-0.64	-0.000374	± 2.5	PASS
		VN	50	4.5	0.002629	± 2.5	PASS
	MCH	VN	-30	0.17	0.000098	± 2.5	PASS
		VN	-20	1.31	0.000756	± 2.5	PASS

		VN	-10	-0.2	-0.000115	± 2.5	PASS
		VN	0	3.47	0.002003	± 2.5	PASS
		VN	10	1.35	0.000779	± 2.5	PASS
		VN	20	3.11	0.001795	± 2.5	PASS
		VN	30	2	0.001154	± 2.5	PASS
		VN	40	1.06	0.000612	± 2.5	PASS
		VN	50	2.04	0.001177	± 2.5	PASS
	HCH	VN	-30	4.03	0.002298	± 2.5	PASS
		VN	-20	-0.27	-0.000154	± 2.5	PASS
		VN	-10	-0.76	-0.000433	± 2.5	PASS
		VN	0	4.85	0.002766	± 2.5	PASS
		VN	10	-0.7	-0.000399	± 2.5	PASS
		VN	20	-0.98	-0.000559	± 2.5	PASS
		VN	30	2.21	0.001260	± 2.5	PASS
		VN	40	-1.2	-0.000684	± 2.5	PASS
		VN	50	1.85	0.001055	± 2.5	PASS
16QAM	LCH	VN	-30	-0.3	-0.000175	± 2.5	PASS
		VN	-20	4.64	0.002711	± 2.5	PASS
		VN	-10	3.28	0.001916	± 2.5	PASS
		VN	0	1.21	0.000707	± 2.5	PASS
		VN	10	-1.16	-0.000678	± 2.5	PASS
		VN	20	0.5	0.000292	± 2.5	PASS
		VN	30	2.69	0.001572	± 2.5	PASS
		VN	40	0.73	0.000427	± 2.5	PASS
		VN	50	-2	-0.001169	± 2.5	PASS
	MCH	VN	-30	-1.21	-0.000698	± 2.5	PASS
		VN	-20	1.78	0.001027	± 2.5	PASS
		VN	-10	3.22	0.001859	± 2.5	PASS
		VN	0	3.68	0.002124	± 2.5	PASS
		VN	10	2.8	0.001616	± 2.5	PASS
		VN	20	2.78	0.001605	± 2.5	PASS
		VN	30	1.6	0.000924	± 2.5	PASS
		VN	40	1.97	0.001137	± 2.5	PASS
		VN	50	4.56	0.002632	± 2.5	PASS
	HCH	VN	-30	0.83	0.000473	± 2.5	PASS
		VN	-20	0.6	0.000342	± 2.5	PASS
		VN	-10	3.39	0.001933	± 2.5	PASS
		VN	0	3.62	0.002064	± 2.5	PASS
		VN	10	2.42	0.001380	± 2.5	PASS
		VN	20	2.25	0.001283	± 2.5	PASS
		VN	30	2.72	0.001551	± 2.5	PASS

		VN	40	2.31	0.001317	± 2.5	PASS
		VN	50	0.21	0.000120	± 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	0.23	0.000134	± 2.5	PASS
		VN	TN	1.77	0.001034	± 2.5	PASS
		VH	TN	-1.18	-0.000689	± 2.5	PASS
	MCH	VL	TN	2.51	0.001449	± 2.5	PASS
		VN	TN	2.36	0.001362	± 2.5	PASS
		VH	TN	3.71	0.002141	± 2.5	PASS
	HCH	VL	TN	0.43	0.000245	± 2.5	PASS
		VN	TN	2.15	0.001227	± 2.5	PASS
		VH	TN	1.25	0.000713	± 2.5	PASS
16QAM	LCH	VL	TN	4.35	0.002540	± 2.5	PASS
		VN	TN	1.87	0.001092	± 2.5	PASS
		VH	TN	-1.26	-0.000736	± 2.5	PASS
	MCH	VL	TN	0.57	0.000329	± 2.5	PASS
		VN	TN	0.86	0.000496	± 2.5	PASS
		VH	TN	0.5	0.000289	± 2.5	PASS
	HCH	VL	TN	-1.2	-0.000685	± 2.5	PASS
		VN	TN	4.91	0.002802	± 2.5	PASS
		VH	TN	0.63	0.000359	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.51	-0.000298	± 2.5	PASS
		VN	-20	-1.01	-0.000590	± 2.5	PASS
		VN	-10	3.11	0.001816	± 2.5	PASS
		VN	0	2.32	0.001355	± 2.5	PASS
		VN	10	3.29	0.001921	± 2.5	PASS
		VN	20	-0.59	-0.000345	± 2.5	PASS
		VN	30	4.8	0.002803	± 2.5	PASS
		VN	40	1.09	0.000636	± 2.5	PASS
		VN	50	-1.14	-0.000666	± 2.5	PASS
	MCH	VN	-30	3.71	0.002141	± 2.5	PASS
		VN	-20	0.09	0.000052	± 2.5	PASS
		VN	-10	2.12	0.001224	± 2.5	PASS

		VN	0	4.2	0.002424	± 2.5	PASS
		VN	10	-0.11	-0.000063	± 2.5	PASS
		VN	20	-1.57	-0.000906	± 2.5	PASS
		VN	30	-0.97	-0.000560	± 2.5	PASS
		VN	40	-0.27	-0.000156	± 2.5	PASS
		VN	50	2.33	0.001345	± 2.5	PASS
	HCH	VN	-30	3.86	0.002203	± 2.5	PASS
		VN	-20	0.42	0.000240	± 2.5	PASS
		VN	-10	2.66	0.001518	± 2.5	PASS
		VN	0	-0.09	-0.000051	± 2.5	PASS
		VN	10	3.08	0.001757	± 2.5	PASS
		VN	20	1.59	0.000907	± 2.5	PASS
		VN	30	-1.16	-0.000662	± 2.5	PASS
		VN	40	1.74	0.000993	± 2.5	PASS
		VN	50	-0.5	-0.000285	± 2.5	PASS
16QAM	LCH	VN	-30	2.49	0.001454	± 2.5	PASS
		VN	-20	3.98	0.002324	± 2.5	PASS
		VN	-10	3.99	0.002330	± 2.5	PASS
		VN	0	-0.61	-0.000356	± 2.5	PASS
		VN	10	-1.11	-0.000648	± 2.5	PASS
		VN	20	0.85	0.000496	± 2.5	PASS
		VN	30	2.94	0.001717	± 2.5	PASS
		VN	40	3.44	0.002009	± 2.5	PASS
		VN	50	3.19	0.001863	± 2.5	PASS
	MCH	VN	-30	-0.58	-0.000335	± 2.5	PASS
		VN	-20	4.34	0.002505	± 2.5	PASS
		VN	-10	1.17	0.000675	± 2.5	PASS
		VN	0	-1.83	-0.001056	± 2.5	PASS
		VN	10	3.36	0.001939	± 2.5	PASS
		VN	20	-0.2	-0.000115	± 2.5	PASS
		VN	30	-1.84	-0.001062	± 2.5	PASS
		VN	40	4.3	0.002482	± 2.5	PASS
		VN	50	-1.13	-0.000652	± 2.5	PASS
	HCH	VN	-30	3.92	0.002237	± 2.5	PASS
		VN	-20	3.48	0.001986	± 2.5	PASS
		VN	-10	3.19	0.001820	± 2.5	PASS
		VN	0	-1.25	-0.000713	± 2.5	PASS
		VN	10	-0.77	-0.000439	± 2.5	PASS
		VN	20	-1.94	-0.001107	± 2.5	PASS
		VN	30	-1.97	-0.001124	± 2.5	PASS
		VN	40	3.52	0.002009	± 2.5	PASS

		VN	50	-0.45	-0.000257	± 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	-1.76	-0.001026	± 2.5	PASS
		VN	TN	0.64	0.000373	± 2.5	PASS
		VH	TN	2.86	0.001668	± 2.5	PASS
	MCH	VL	TN	4.82	0.002782	± 2.5	PASS
		VN	TN	-1.03	-0.000595	± 2.5	PASS
		VH	TN	1.08	0.000623	± 2.5	PASS
	HCH	VL	TN	3.03	0.001731	± 2.5	PASS
		VN	TN	-0.01	-0.000006	± 2.5	PASS
		VH	TN	1.77	0.001011	± 2.5	PASS
16QAM	LCH	VL	TN	4.88	0.002845	± 2.5	PASS
		VN	TN	4.19	0.002443	± 2.5	PASS
		VH	TN	1.24	0.000723	± 2.5	PASS
	MCH	VL	TN	0.91	0.000525	± 2.5	PASS
		VN	TN	4.42	0.002551	± 2.5	PASS
		VH	TN	-0.53	-0.000306	± 2.5	PASS
	HCH	VL	TN	2.23	0.001274	± 2.5	PASS
		VN	TN	4.98	0.002846	± 2.5	PASS
		VH	TN	-0.1	-0.000057	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.86	0.001085	± 2.5	PASS
		VN	-20	4.91	0.002863	± 2.5	PASS
		VN	-10	-0.32	-0.000187	± 2.5	PASS
		VN	0	2.99	0.001743	± 2.5	PASS
		VN	10	4.04	0.002356	± 2.5	PASS
		VN	20	-0.73	-0.000426	± 2.5	PASS
		VN	30	4.28	0.002496	± 2.5	PASS
		VN	40	-0.32	-0.000187	± 2.5	PASS
		VN	50	2.53	0.001475	± 2.5	PASS
	MCH	VN	-30	3.47	0.002003	± 2.5	PASS
		VN	-20	1.53	0.000883	± 2.5	PASS
		VN	-10	-1.73	-0.000999	± 2.5	PASS
		VN	0	-0.57	-0.000329	± 2.5	PASS

		VN	10	2.84	0.001639	± 2.5	PASS
		VN	20	4.17	0.002407	± 2.5	PASS
		VN	30	4.77	0.002753	± 2.5	PASS
		VN	40	1.69	0.000975	± 2.5	PASS
		VN	50	3.94	0.002274	± 2.5	PASS
	HCH	VN	-30	4.77	0.002726	± 2.5	PASS
		VN	-20	1.87	0.001069	± 2.5	PASS
		VN	-10	-1.47	-0.000840	± 2.5	PASS
		VN	0	3.88	0.002217	± 2.5	PASS
		VN	10	0.36	0.000206	± 2.5	PASS
		VN	20	1.64	0.000937	± 2.5	PASS
		VN	30	-1.43	-0.000817	± 2.5	PASS
		VN	40	3.07	0.001754	± 2.5	PASS
		VN	50	-0.17	-0.000097	± 2.5	PASS
		VN	-30	4.04	0.002356	± 2.5	PASS
16QAM	LCH	VN	-20	-0.36	-0.000210	± 2.5	PASS
		VN	-10	2.62	0.001528	± 2.5	PASS
		VN	0	4.8	0.002799	± 2.5	PASS
		VN	10	4.13	0.002408	± 2.5	PASS
		VN	20	-1.65	-0.000962	± 2.5	PASS
		VN	30	-1.48	-0.000863	± 2.5	PASS
		VN	40	0.06	0.000035	± 2.5	PASS
		VN	50	2.47	0.001440	± 2.5	PASS
	MCH	VN	-30	-1.74	-0.001004	± 2.5	PASS
		VN	-20	0.86	0.000496	± 2.5	PASS
		VN	-10	0.22	0.000127	± 2.5	PASS
		VN	0	0.42	0.000242	± 2.5	PASS
		VN	10	-1.85	-0.001068	± 2.5	PASS
		VN	20	-0.84	-0.000485	± 2.5	PASS
		VN	30	2.62	0.001512	± 2.5	PASS
		VN	40	1.81	0.001045	± 2.5	PASS
		VN	50	-1.32	-0.000762	± 2.5	PASS
	HCH	VN	-30	3.66	0.002091	± 2.5	PASS
		VN	-20	3.81	0.002177	± 2.5	PASS
		VN	-10	-0.72	-0.000411	± 2.5	PASS
		VN	0	3.03	0.001731	± 2.5	PASS
		VN	10	-1.52	-0.000869	± 2.5	PASS
		VN	20	-0.15	-0.000086	± 2.5	PASS
		VN	30	4.8	0.002743	± 2.5	PASS
		VN	40	2.75	0.001571	± 2.5	PASS
		VN	50	-0.24	-0.000137	± 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	-2.56	-0.001491	± 2.5	PASS
		VN	TN	0.88	0.000512	± 2.5	PASS
		VH	TN	-1.41	-0.000821	± 2.5	PASS
	MCH	VL	TN	1.35	0.000779	± 2.5	PASS
		VN	TN	1.74	0.001004	± 2.5	PASS
		VH	TN	-1.89	-0.001091	± 2.5	PASS
	HCH	VL	TN	-0.13	-0.000074	± 2.5	PASS
		VN	TN	-0.13	-0.000074	± 2.5	PASS
		VH	TN	3.64	0.002083	± 2.5	PASS
16QAM	LCH	VL	TN	4.07	0.002370	± 2.5	PASS
		VN	TN	3.78	0.002201	± 2.5	PASS
		VH	TN	-1.9	-0.001106	± 2.5	PASS
	MCH	VL	TN	1.2	0.000693	± 2.5	PASS
		VN	TN	3.66	0.002113	± 2.5	PASS
		VH	TN	4.04	0.002332	± 2.5	PASS
	HCH	VL	TN	-1.78	-0.001019	± 2.5	PASS
		VN	TN	3.26	0.001866	± 2.5	PASS
		VH	TN	0.87	0.000498	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.97	-0.000565	± 2.5	PASS
		VN	-20	2.32	0.001351	± 2.5	PASS
		VN	-10	2.85	0.001659	± 2.5	PASS
		VN	0	4.4	0.002562	± 2.5	PASS
		VN	10	-0.11	-0.000064	± 2.5	PASS
		VN	20	-1.03	-0.000600	± 2.5	PASS
		VN	30	-1.28	-0.000745	± 2.5	PASS
		VN	40	0.47	0.000274	± 2.5	PASS
		VN	50	1.92	0.001118	± 2.5	PASS
	MCH	VN	-30	1.15	0.000664	± 2.5	PASS
		VN	-20	1.36	0.000785	± 2.5	PASS
		VN	-10	-0.79	-0.000456	± 2.5	PASS
		VN	0	2.12	0.001224	± 2.5	PASS
		VN	10	-1.6	-0.000924	± 2.5	PASS
		VN	20	-0.82	-0.000473	± 2.5	PASS

		VN	30	-1.76	-0.001016	± 2.5	PASS
		VN	40	-0.33	-0.000190	± 2.5	PASS
		VN	50	1.52	0.000877	± 2.5	PASS
	HCH	VN	-30	4.17	0.002386	± 2.5	PASS
		VN	-20	3.39	0.001940	± 2.5	PASS
		VN	-10	0.88	0.000504	± 2.5	PASS
		VN	0	4.98	0.002850	± 2.5	PASS
		VN	10	4.09	0.002340	± 2.5	PASS
		VN	20	3.77	0.002157	± 2.5	PASS
		VN	30	0.58	0.000332	± 2.5	PASS
		VN	40	1.03	0.000589	± 2.5	PASS
		VN	50	4.87	0.002787	± 2.5	PASS
16QAM	LCH	VN	-30	3.85	0.002242	± 2.5	PASS
		VN	-20	1.19	0.000693	± 2.5	PASS
		VN	-10	-1.81	-0.001054	± 2.5	PASS
		VN	0	3.99	0.002323	± 2.5	PASS
		VN	10	1.51	0.000879	± 2.5	PASS
		VN	20	-1.02	-0.000594	± 2.5	PASS
		VN	30	-1.67	-0.000972	± 2.5	PASS
		VN	40	0.47	0.000274	± 2.5	PASS
		VN	50	-1.77	-0.001031	± 2.5	PASS
	MCH	VN	-30	-0.79	-0.000456	± 2.5	PASS
		VN	-20	1.45	0.000837	± 2.5	PASS
		VN	-10	0.36	0.000208	± 2.5	PASS
		VN	0	-1.15	-0.000664	± 2.5	PASS
		VN	10	4.57	0.002638	± 2.5	PASS
		VN	20	2.32	0.001339	± 2.5	PASS
		VN	30	0.77	0.000444	± 2.5	PASS
		VN	40	-1.9	-0.001097	± 2.5	PASS
		VN	50	4.11	0.002372	± 2.5	PASS
	HCH	VN	-30	2.79	0.001597	± 2.5	PASS
		VN	-20	-1.73	-0.000990	± 2.5	PASS
		VN	-10	3.89	0.002226	± 2.5	PASS
		VN	0	-0.77	-0.000441	± 2.5	PASS
		VN	10	0.32	0.000183	± 2.5	PASS
		VN	20	4.95	0.002833	± 2.5	PASS
		VN	30	0.46	0.000263	± 2.5	PASS
		VN	40	1.09	0.000624	± 2.5	PASS
		VN	50	-0.55	-0.000315	± 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	-2.45	-0.001424	± 2.5	PASS
		VN	TN	0.88	0.000512	± 2.5	PASS
		VH	TN	3.59	0.002087	± 2.5	PASS
	MCH	VL	TN	-0.28	-0.000162	± 2.5	PASS
		VN	TN	4.37	0.002522	± 2.5	PASS
		VH	TN	-0.08	-0.000046	± 2.5	PASS
	HCH	VL	TN	-0.38	-0.000218	± 2.5	PASS
		VN	TN	0.48	0.000275	± 2.5	PASS
		VH	TN	4.22	0.002418	± 2.5	PASS
16QAM	LCH	VL	TN	0.71	0.000413	± 2.5	PASS
		VN	TN	-1.41	-0.000820	± 2.5	PASS
		VH	TN	3.98	0.002314	± 2.5	PASS
	MCH	VL	TN	1.75	0.001010	± 2.5	PASS
		VN	TN	1.19	0.000687	± 2.5	PASS
		VH	TN	0.6	0.000346	± 2.5	PASS
	HCH	VL	TN	-1.92	-0.001100	± 2.5	PASS
		VN	TN	1	0.000573	± 2.5	PASS
		VH	TN	0.55	0.000315	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001081	± 2.5	PASS
		VN	-20	4.63	0.002692	± 2.5	PASS
		VN	-10	2.89	0.001680	± 2.5	PASS
		VN	0	4.47	0.002599	± 2.5	PASS
		VN	10	-0.66	-0.000384	± 2.5	PASS
		VN	20	-1.23	-0.000715	± 2.5	PASS
		VN	30	4.06	0.002360	± 2.5	PASS
		VN	40	4	0.002326	± 2.5	PASS
		VN	50	4.37	0.002541	± 2.5	PASS
	MCH	VN	-30	-0.23	-0.000133	± 2.5	PASS
		VN	-20	4.83	0.002788	± 2.5	PASS
		VN	-10	3.45	0.001991	± 2.5	PASS
		VN	0	4.4	0.002540	± 2.5	PASS
		VN	10	2.42	0.001397	± 2.5	PASS
		VN	20	1.49	0.000860	± 2.5	PASS

		VN	30	2.46	0.001420	± 2.5	PASS
		VN	40	2.91	0.001680	± 2.5	PASS
		VN	50	2.78	0.001605	± 2.5	PASS
	HCH	VN	-30	-1.08	-0.000619	± 2.5	PASS
		VN	-20	4.59	0.002630	± 2.5	PASS
		VN	-10	0.35	0.000201	± 2.5	PASS
		VN	0	-0.22	-0.000126	± 2.5	PASS
		VN	10	-0.05	-0.000029	± 2.5	PASS
		VN	20	2.09	0.001198	± 2.5	PASS
		VN	30	3.4	0.001948	± 2.5	PASS
		VN	40	-1.04	-0.000596	± 2.5	PASS
		VN	50	-0.64	-0.000367	± 2.5	PASS
16QAM	LCH	VN	-30	2.73	0.001587	± 2.5	PASS
		VN	-20	2.62	0.001523	± 2.5	PASS
		VN	-10	2.87	0.001669	± 2.5	PASS
		VN	0	3.58	0.002081	± 2.5	PASS
		VN	10	1.78	0.001035	± 2.5	PASS
		VN	20	-0.83	-0.000483	± 2.5	PASS
		VN	30	3.08	0.001791	± 2.5	PASS
		VN	40	4.36	0.002535	± 2.5	PASS
		VN	50	-1.12	-0.000651	± 2.5	PASS
	MCH	VN	-30	-1.13	-0.000652	± 2.5	PASS
		VN	-20	2.52	0.001455	± 2.5	PASS
		VN	-10	0.08	0.000046	± 2.5	PASS
		VN	0	-1.06	-0.000612	± 2.5	PASS
		VN	10	-1.08	-0.000623	± 2.5	PASS
		VN	20	3.76	0.002170	± 2.5	PASS
		VN	30	1.11	0.000641	± 2.5	PASS
		VN	40	4.72	0.002724	± 2.5	PASS
		VN	50	-1.39	-0.000802	± 2.5	PASS
	HCH	VN	-30	0.43	0.000246	± 2.5	PASS
		VN	-20	0.1	0.000057	± 2.5	PASS
		VN	-10	1.55	0.000888	± 2.5	PASS
		VN	0	0.21	0.000120	± 2.5	PASS
		VN	10	-0.04	-0.000023	± 2.5	PASS
		VN	20	-1.48	-0.000848	± 2.5	PASS
		VN	30	4.19	0.002401	± 2.5	PASS
		VN	40	3.29	0.001885	± 2.5	PASS
		VN	50	2.32	0.001330	± 2.5	PASS