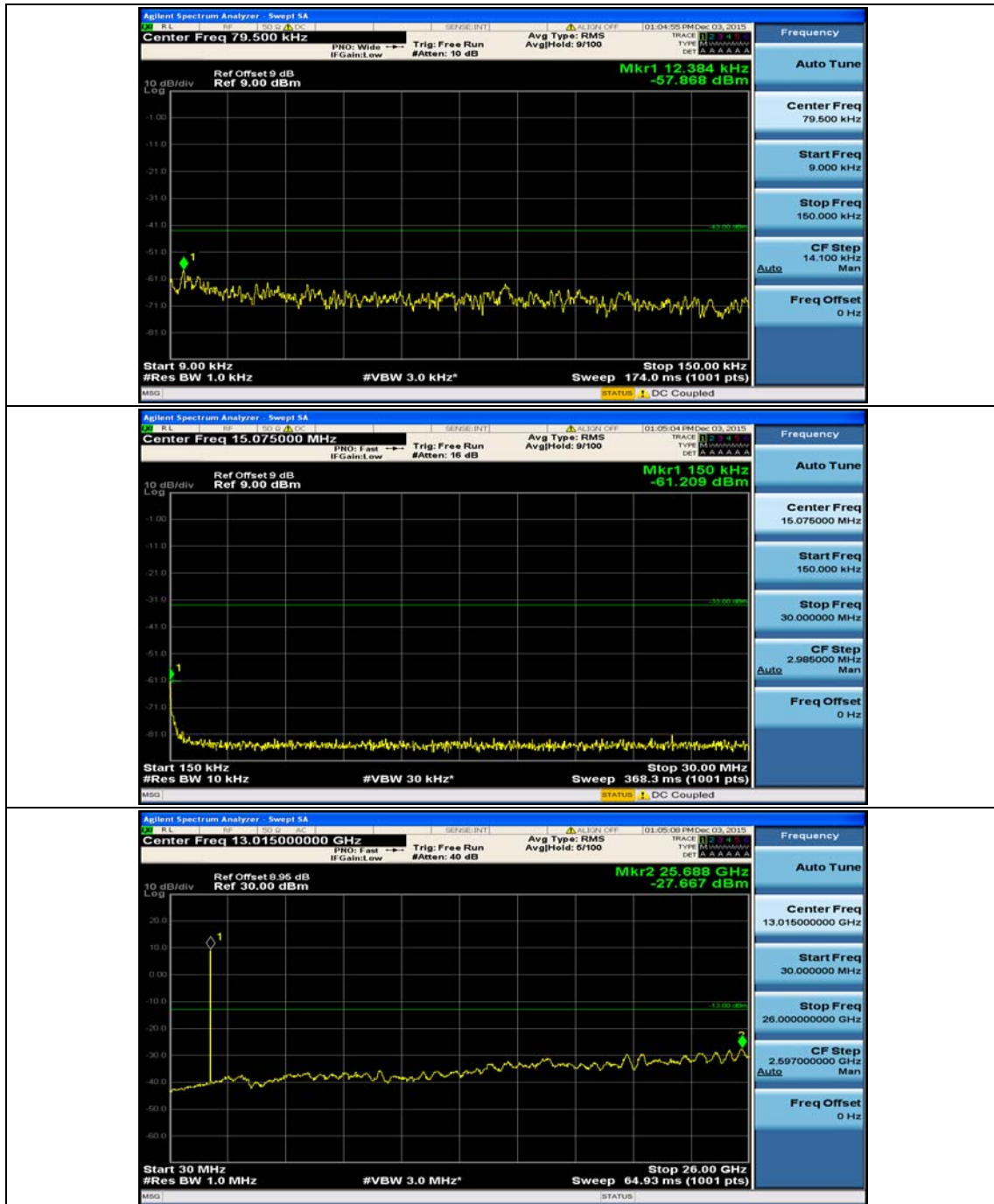
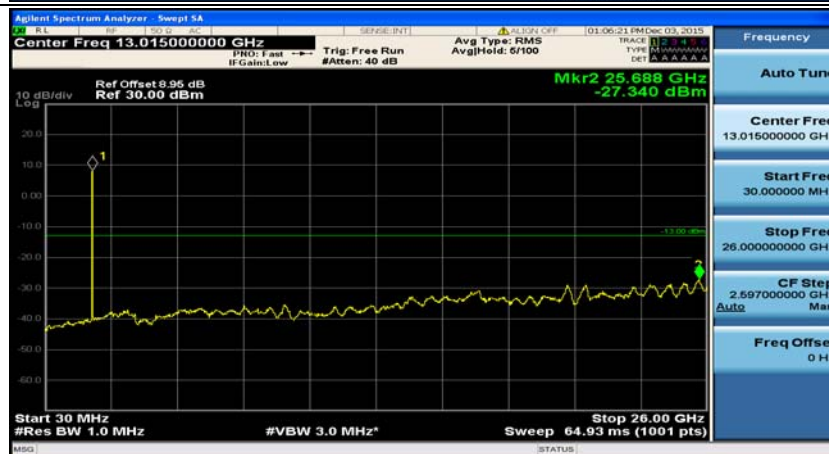
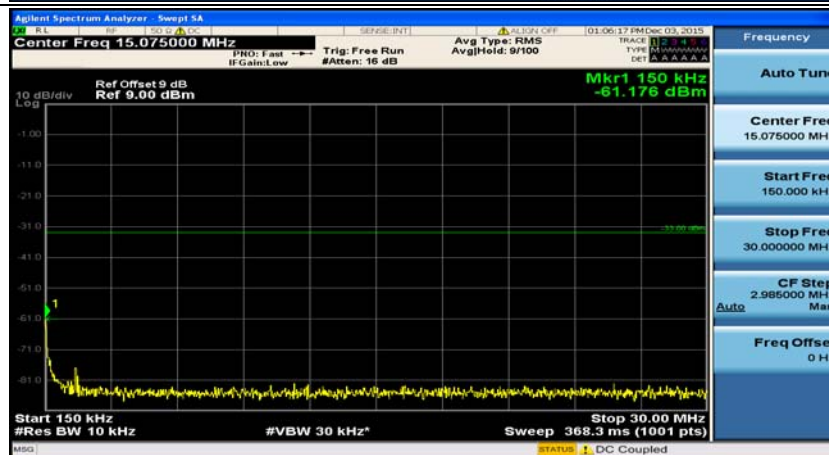
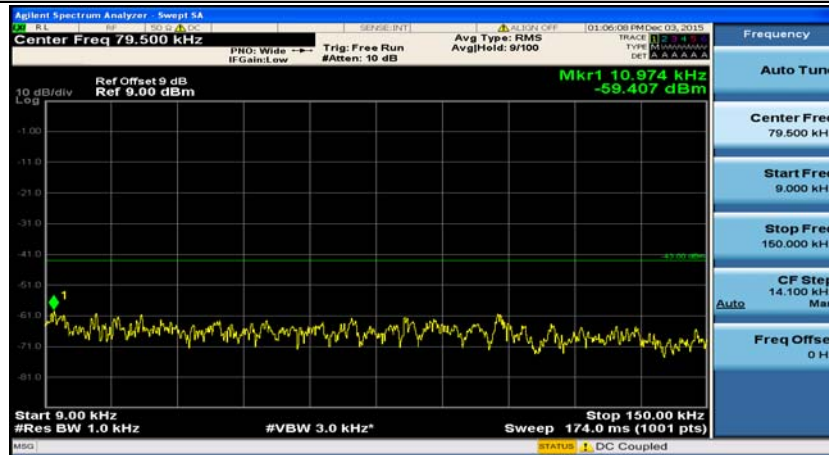
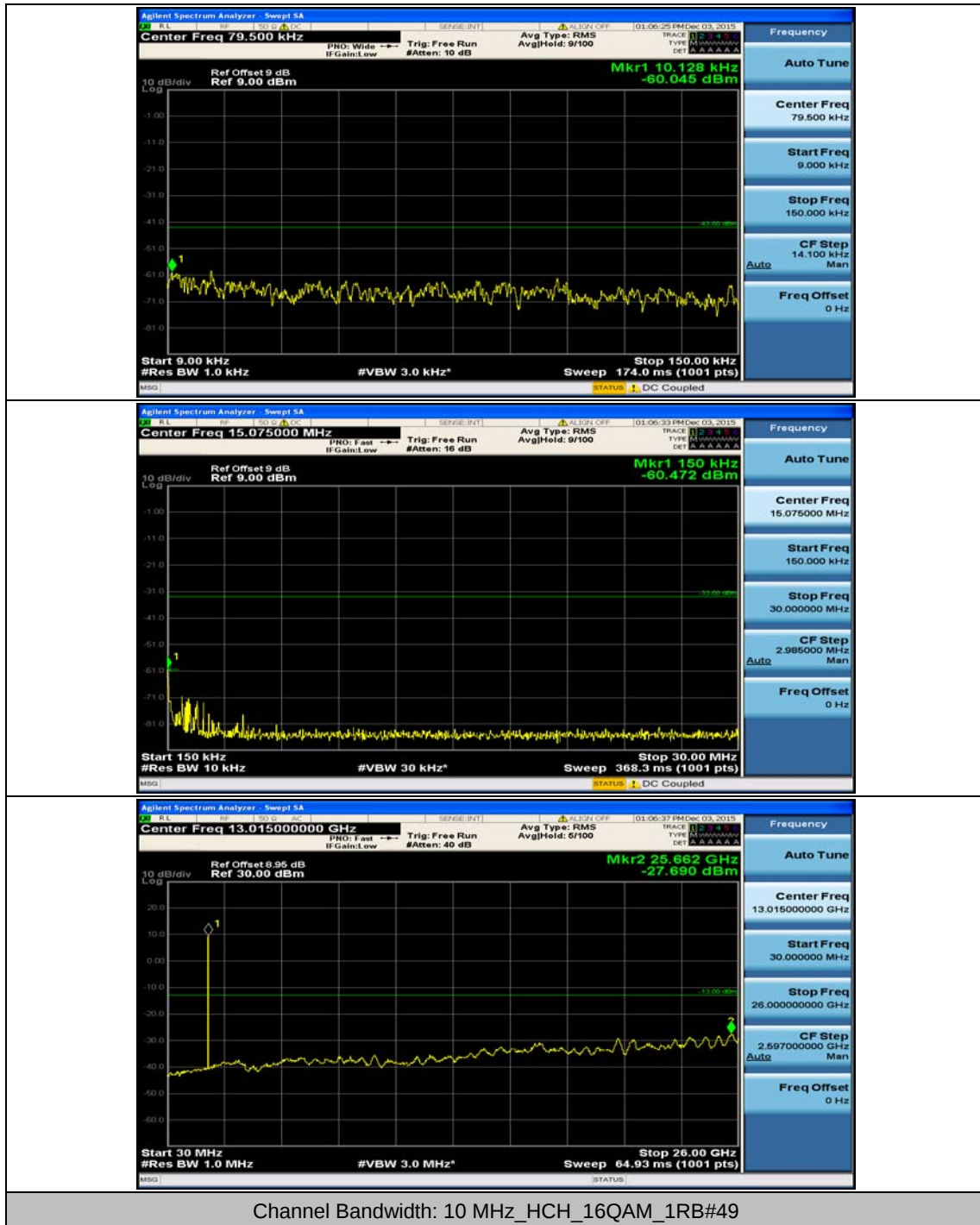


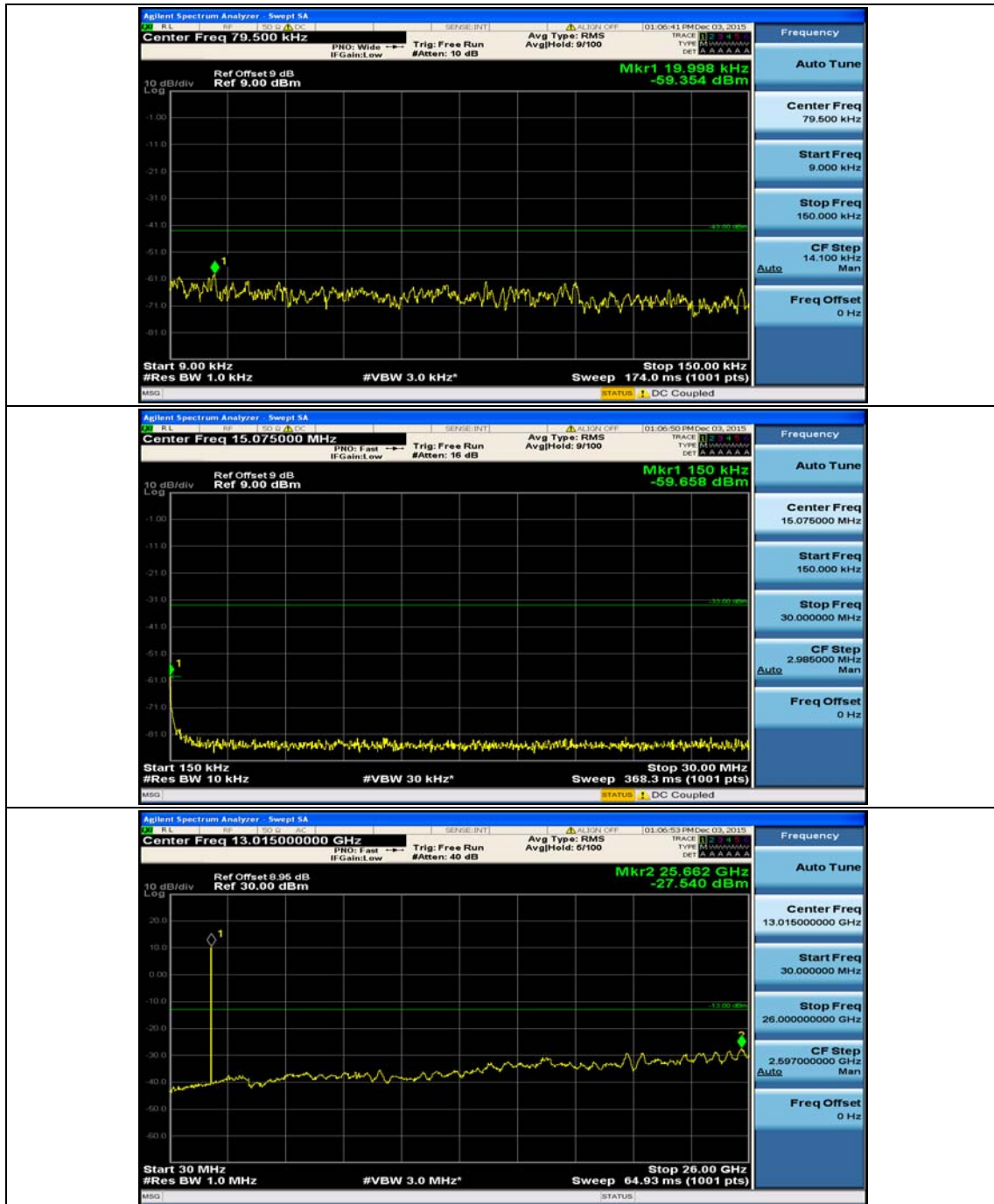


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

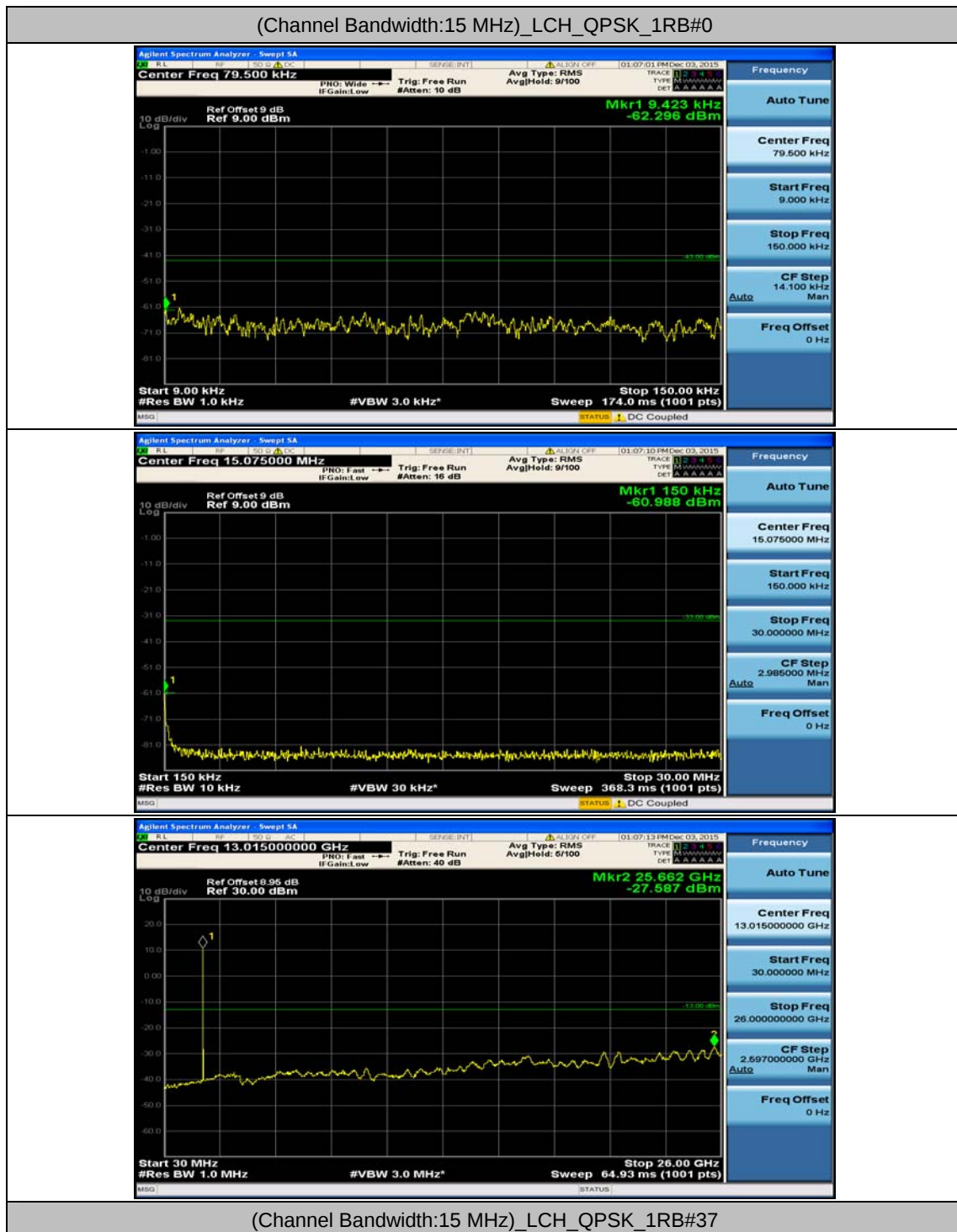


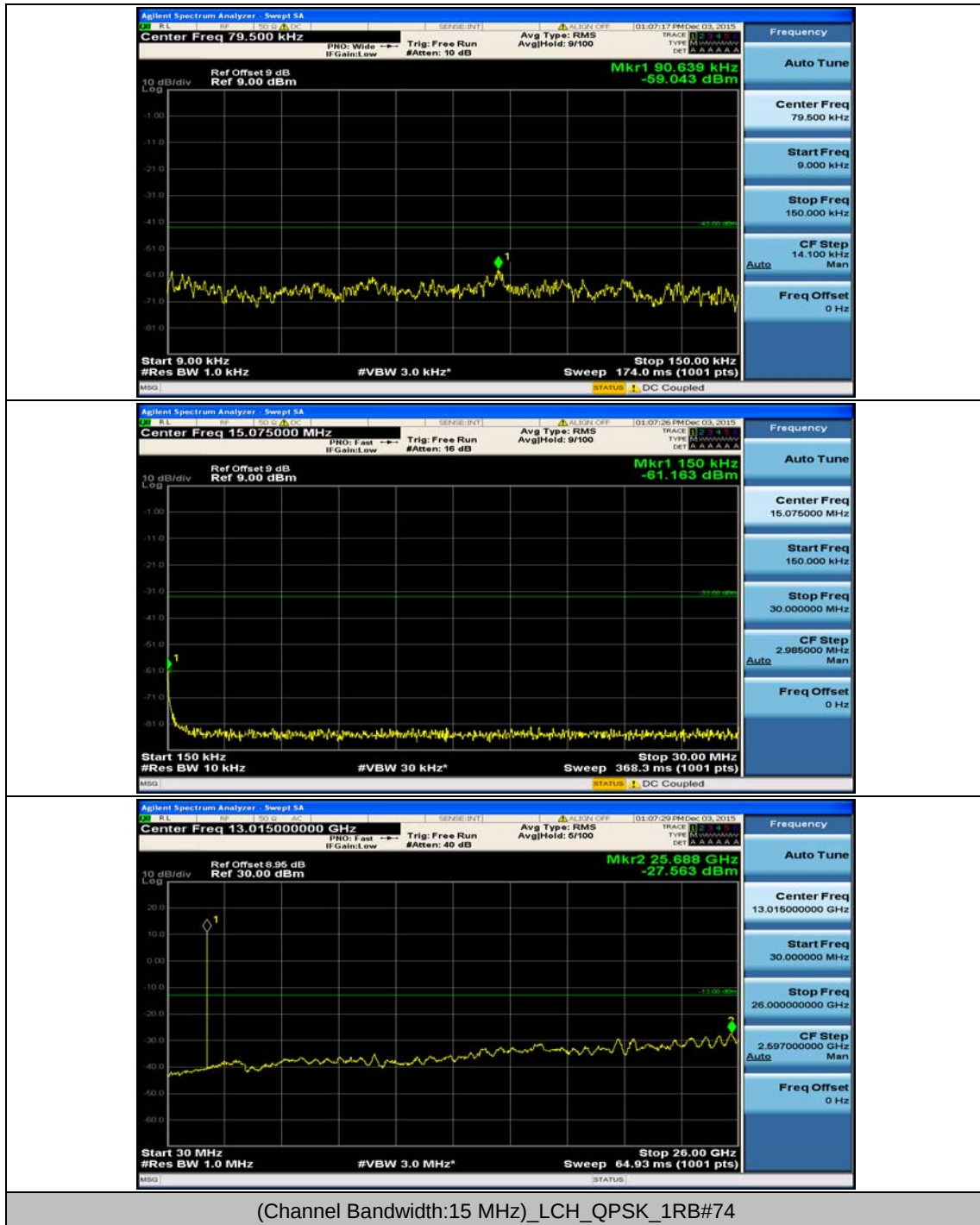
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

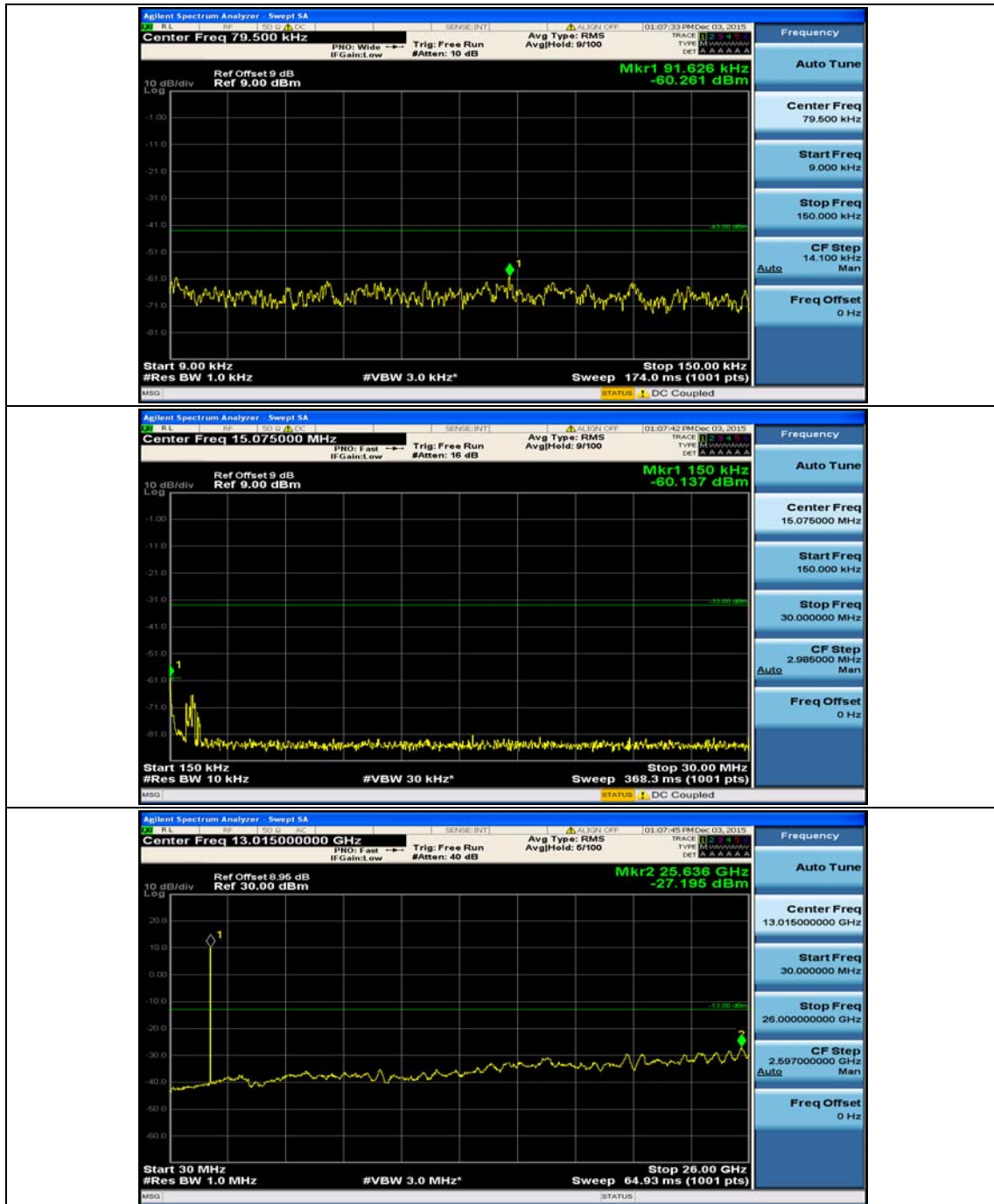




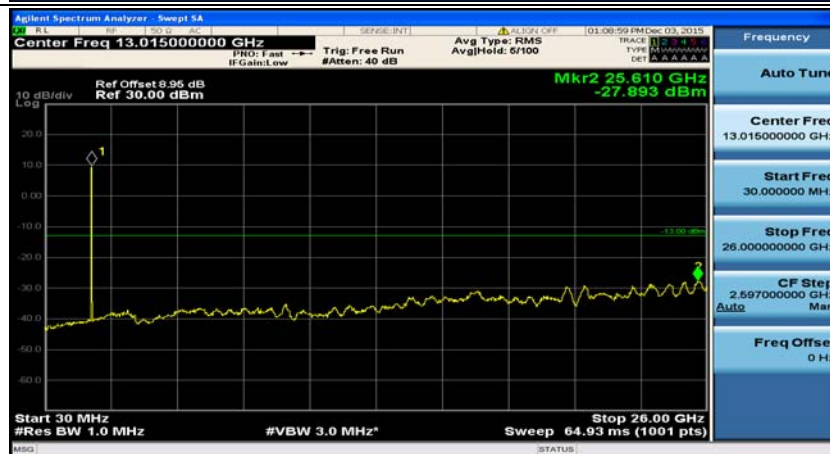
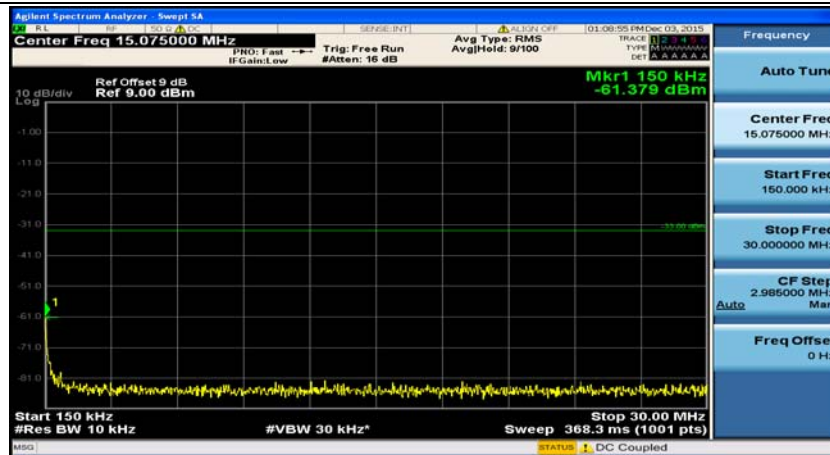
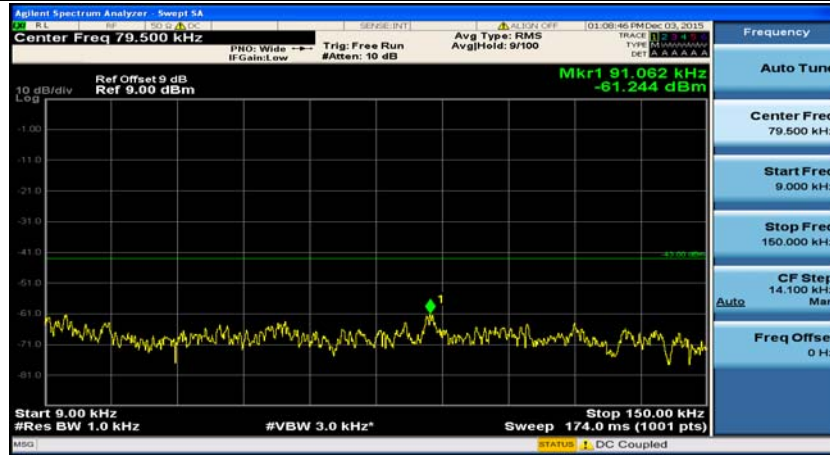
Channel Bandwidth: 15 MHz



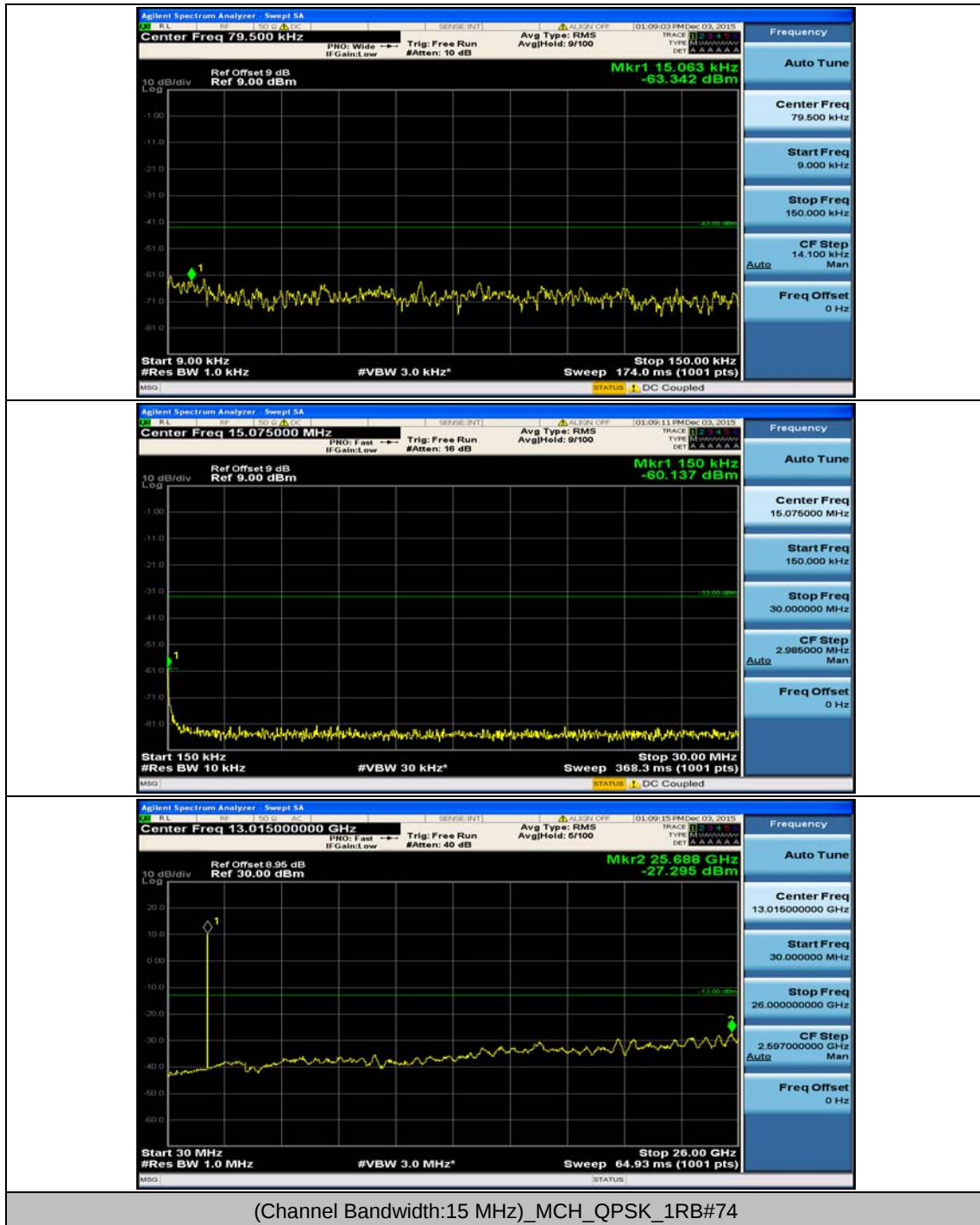


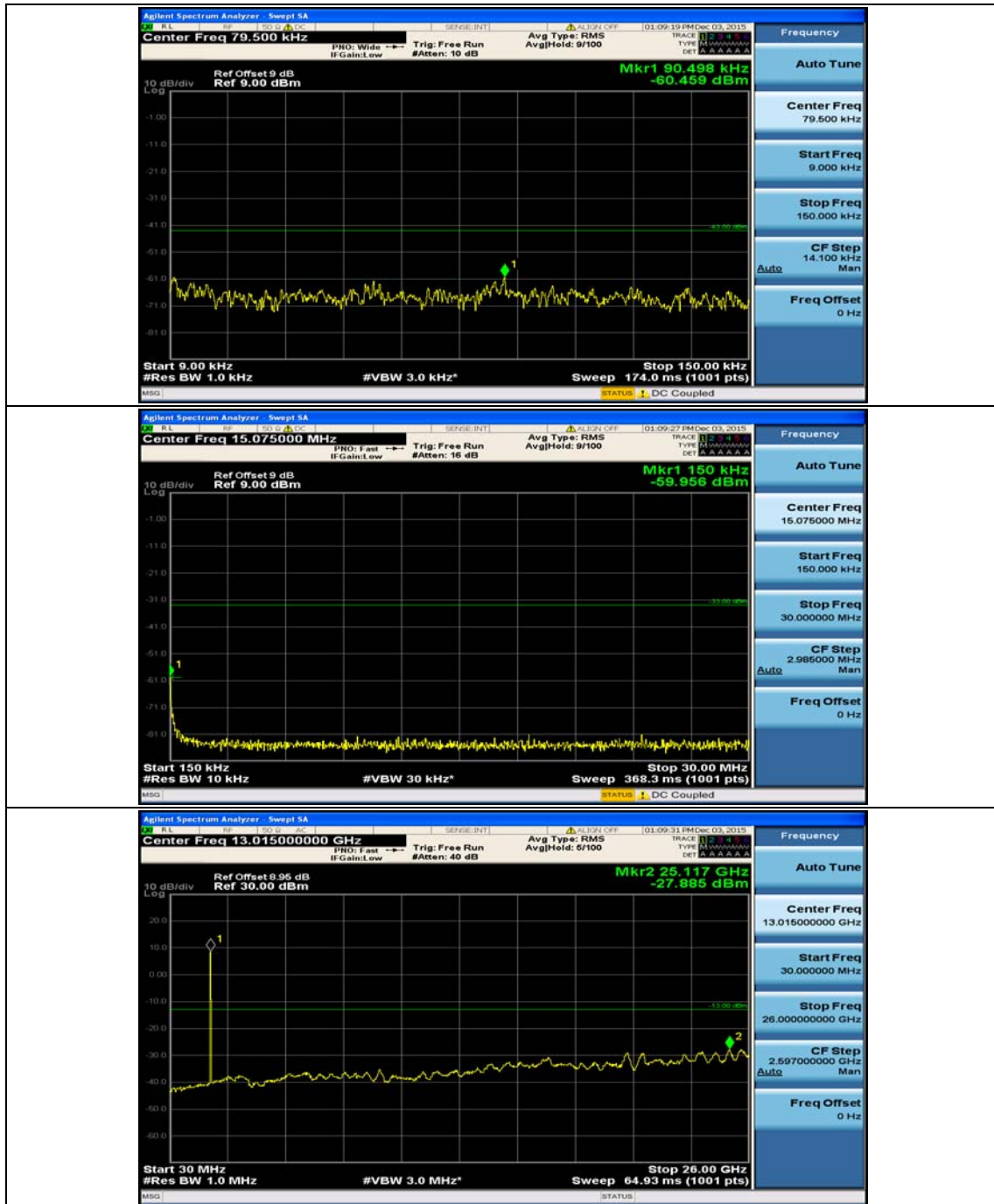


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

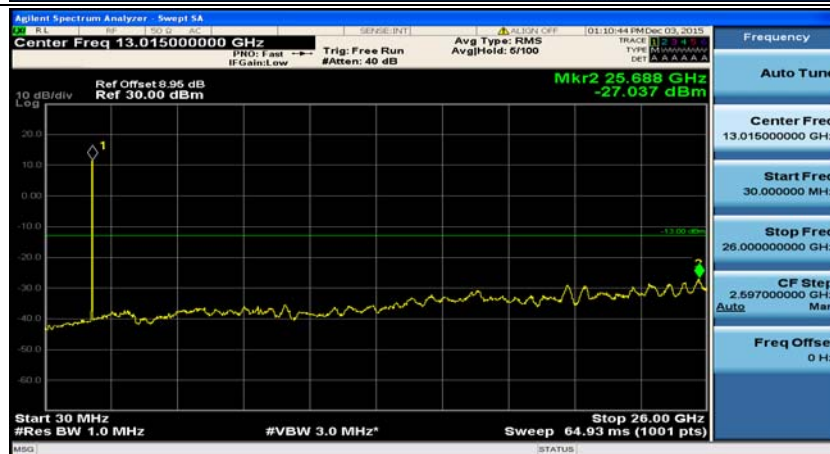
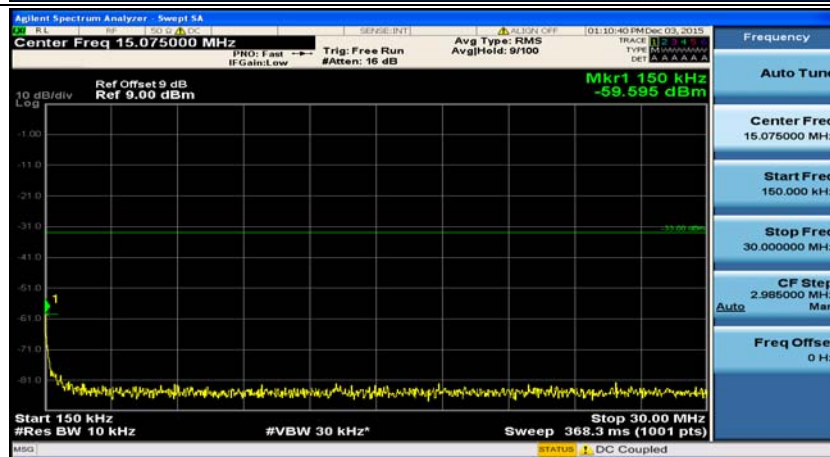
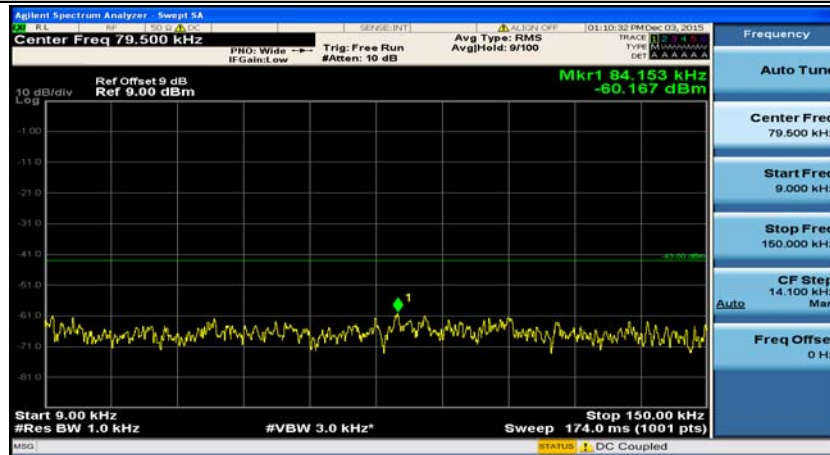


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

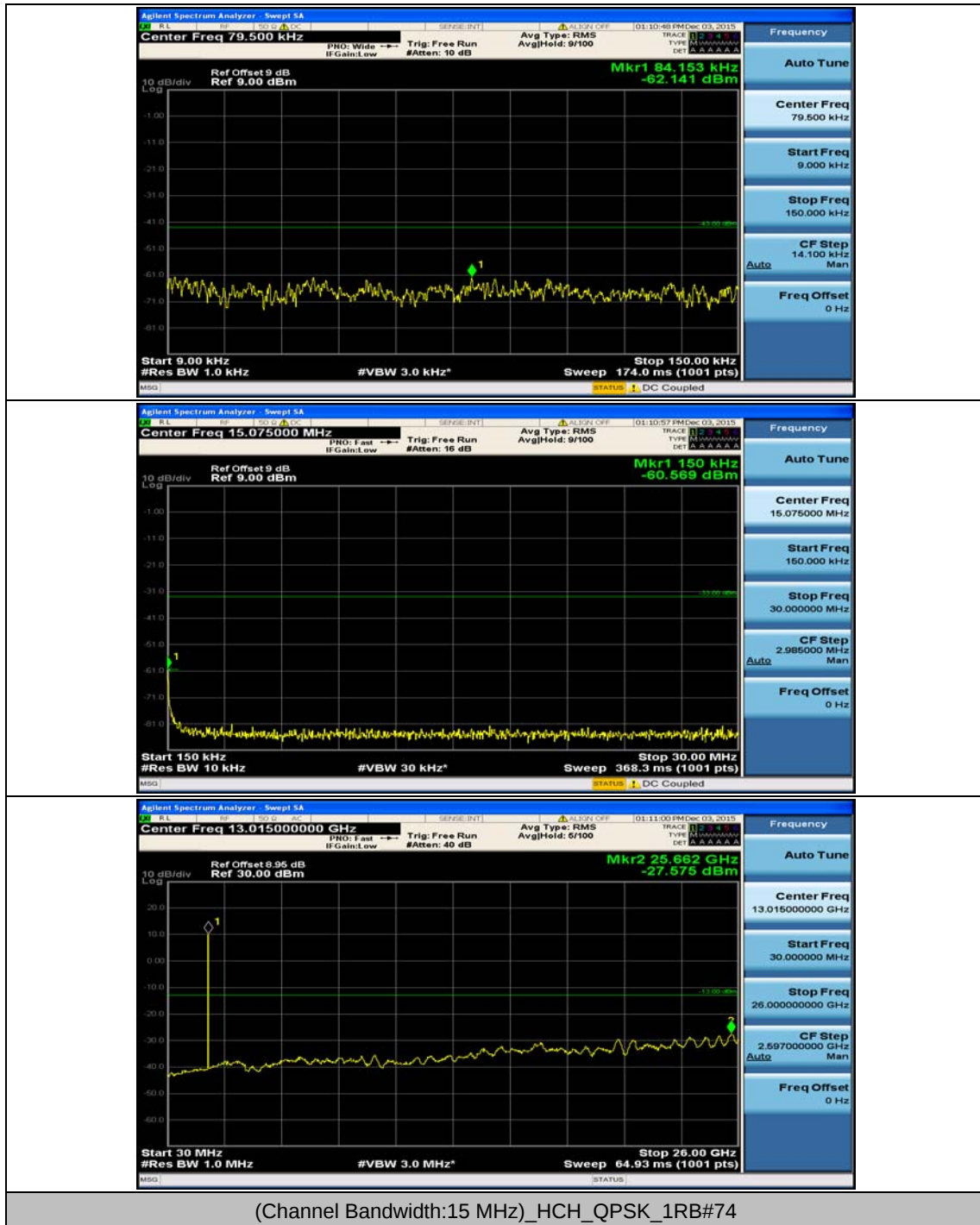


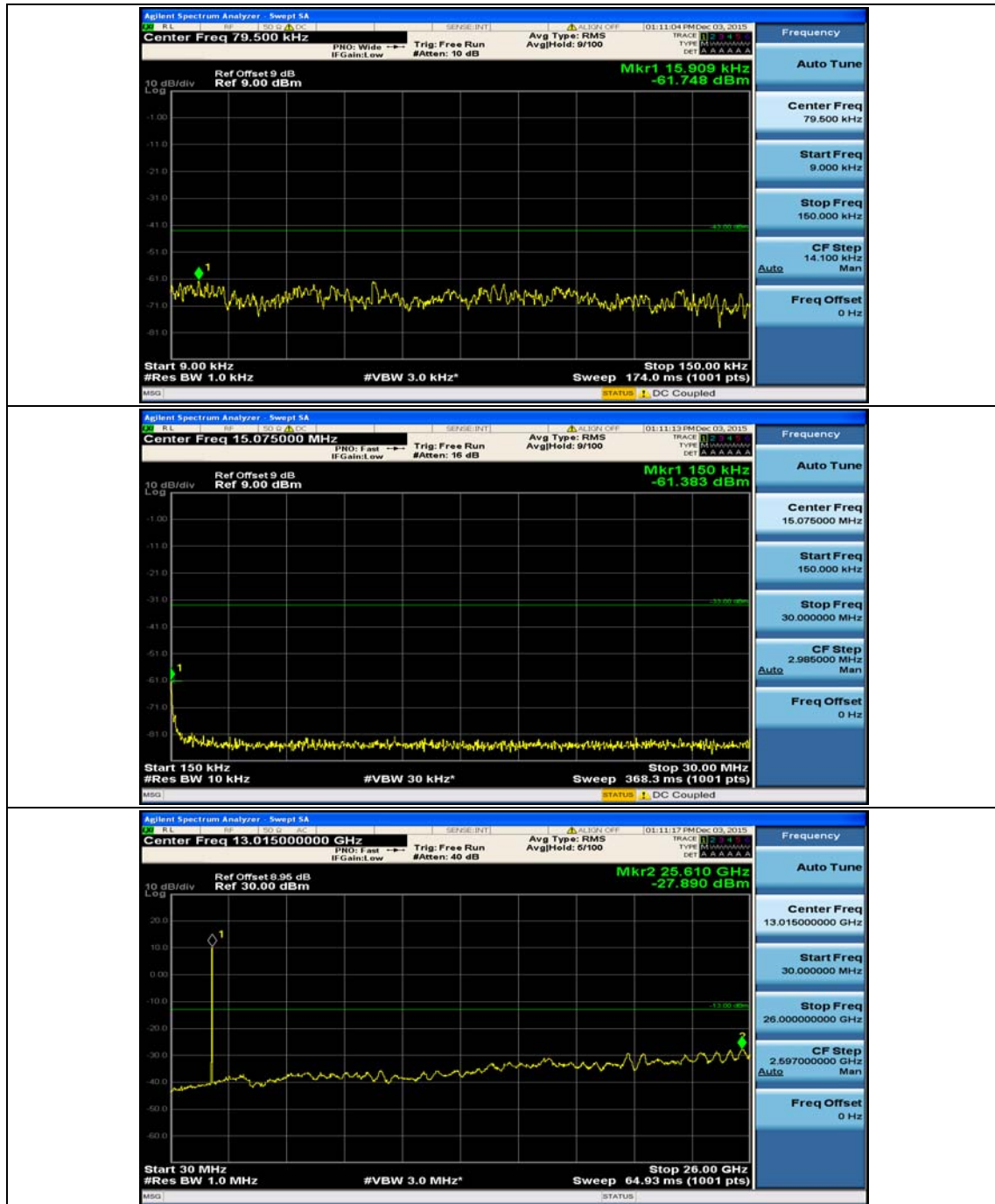


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

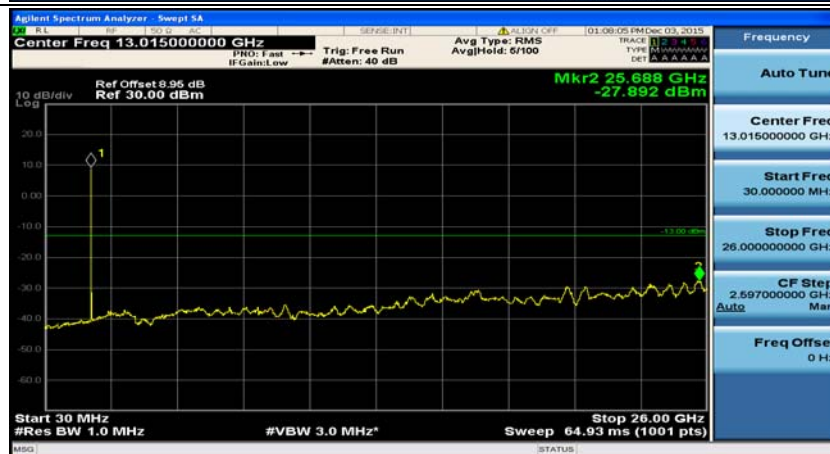
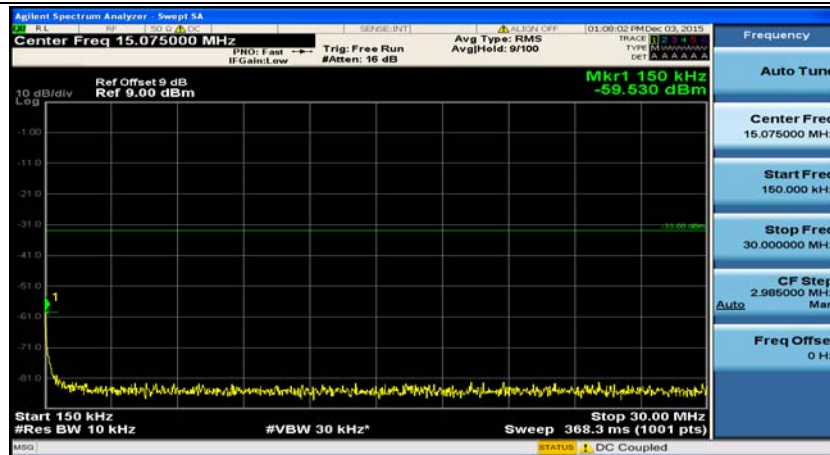
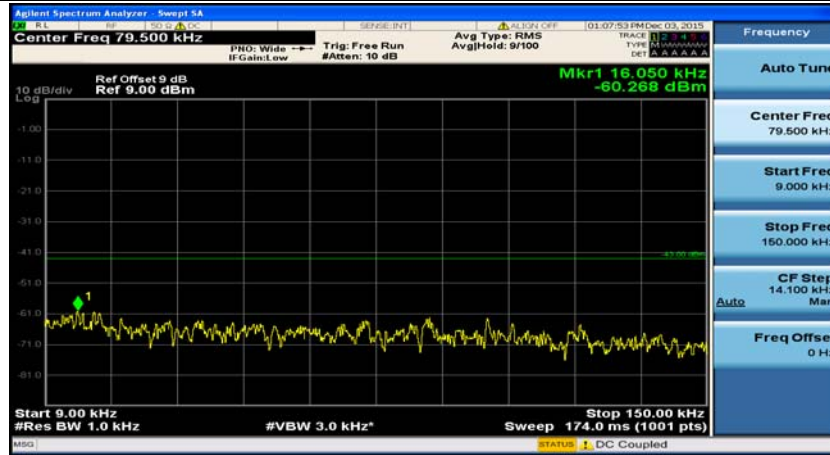


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

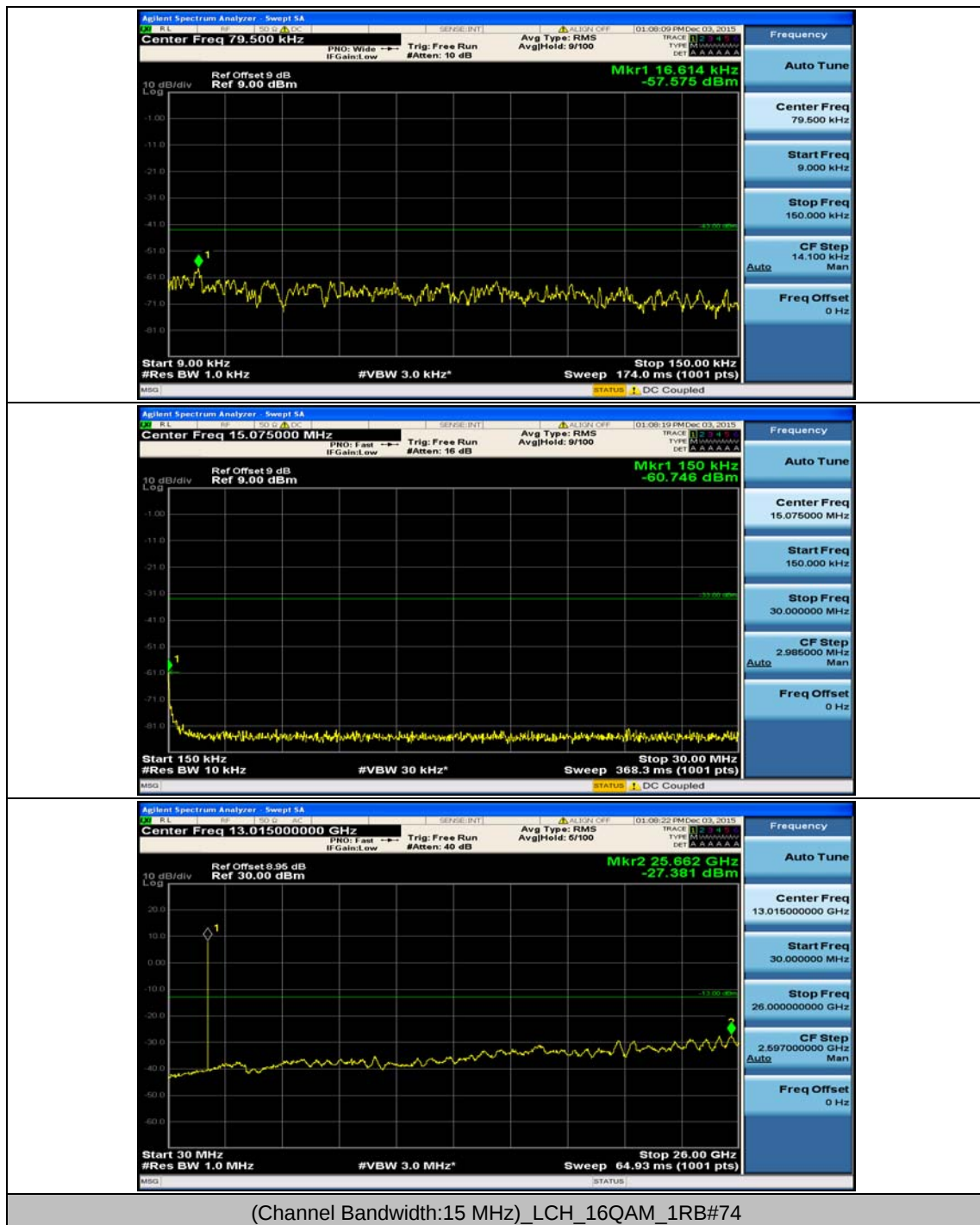


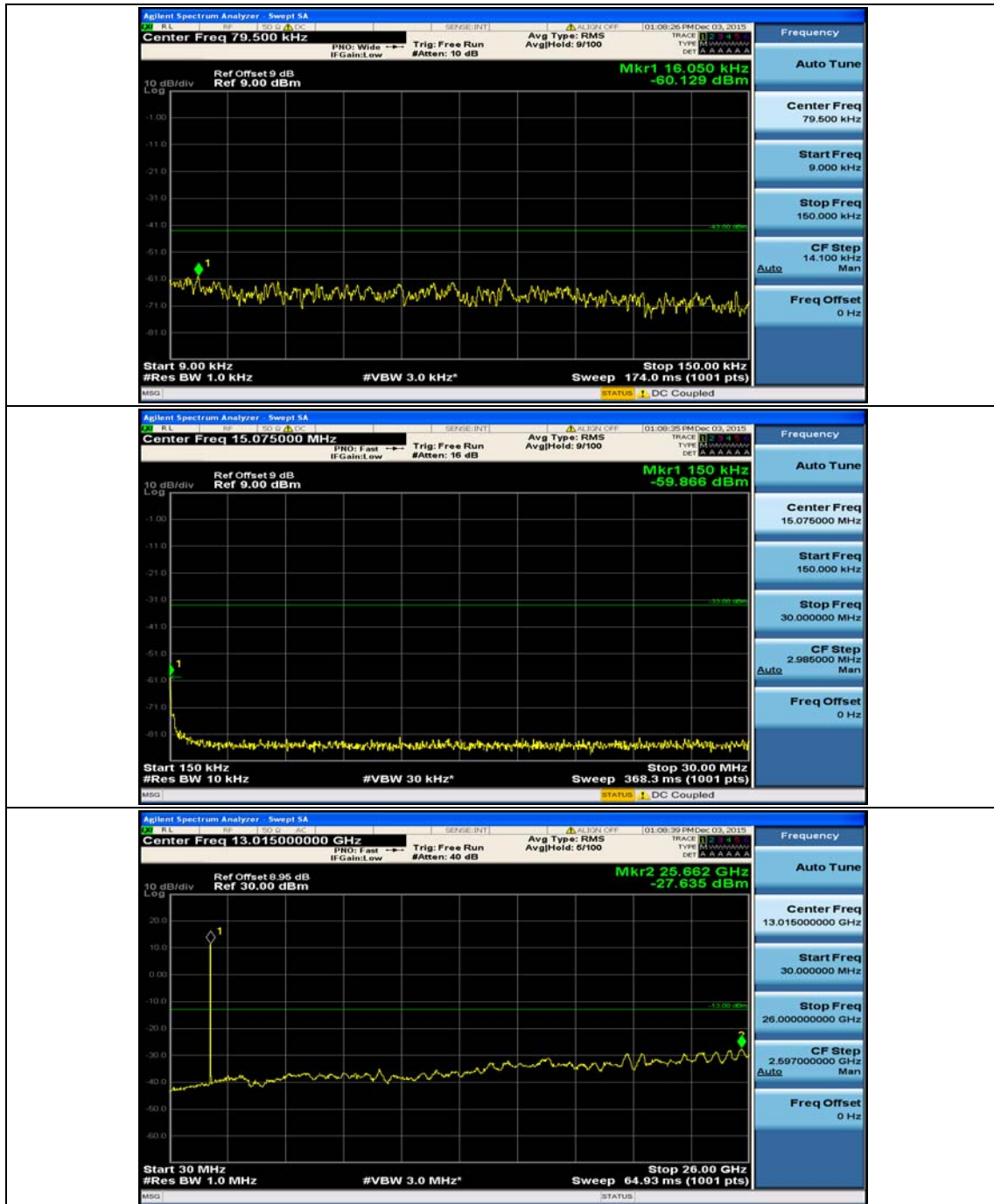


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

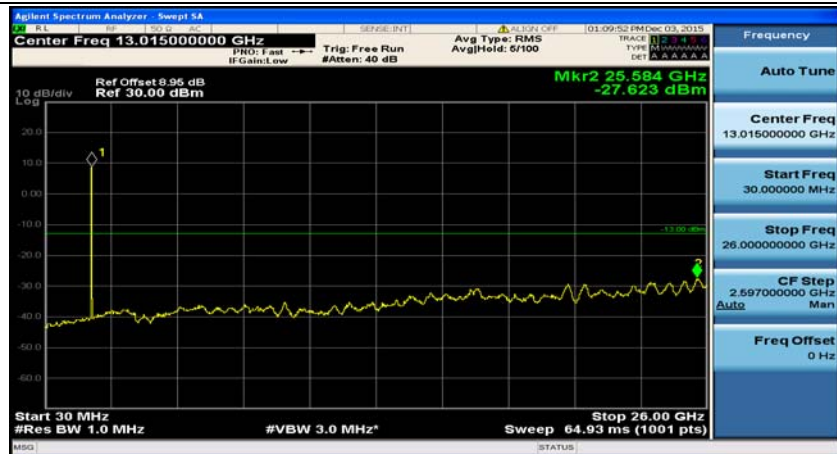
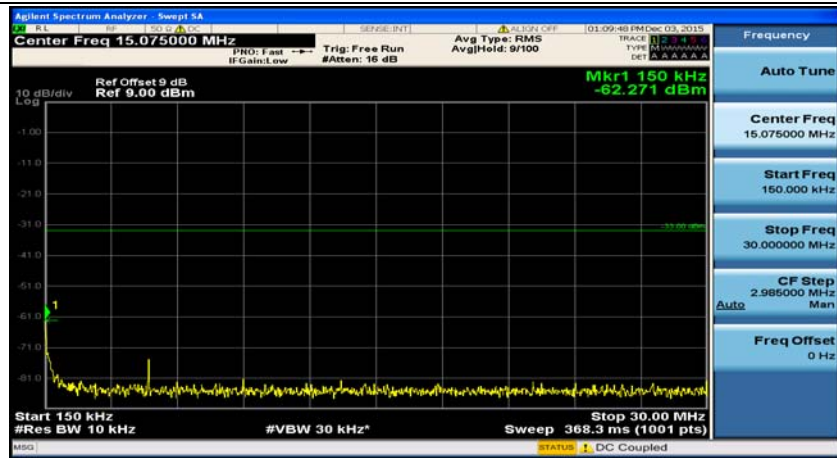


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

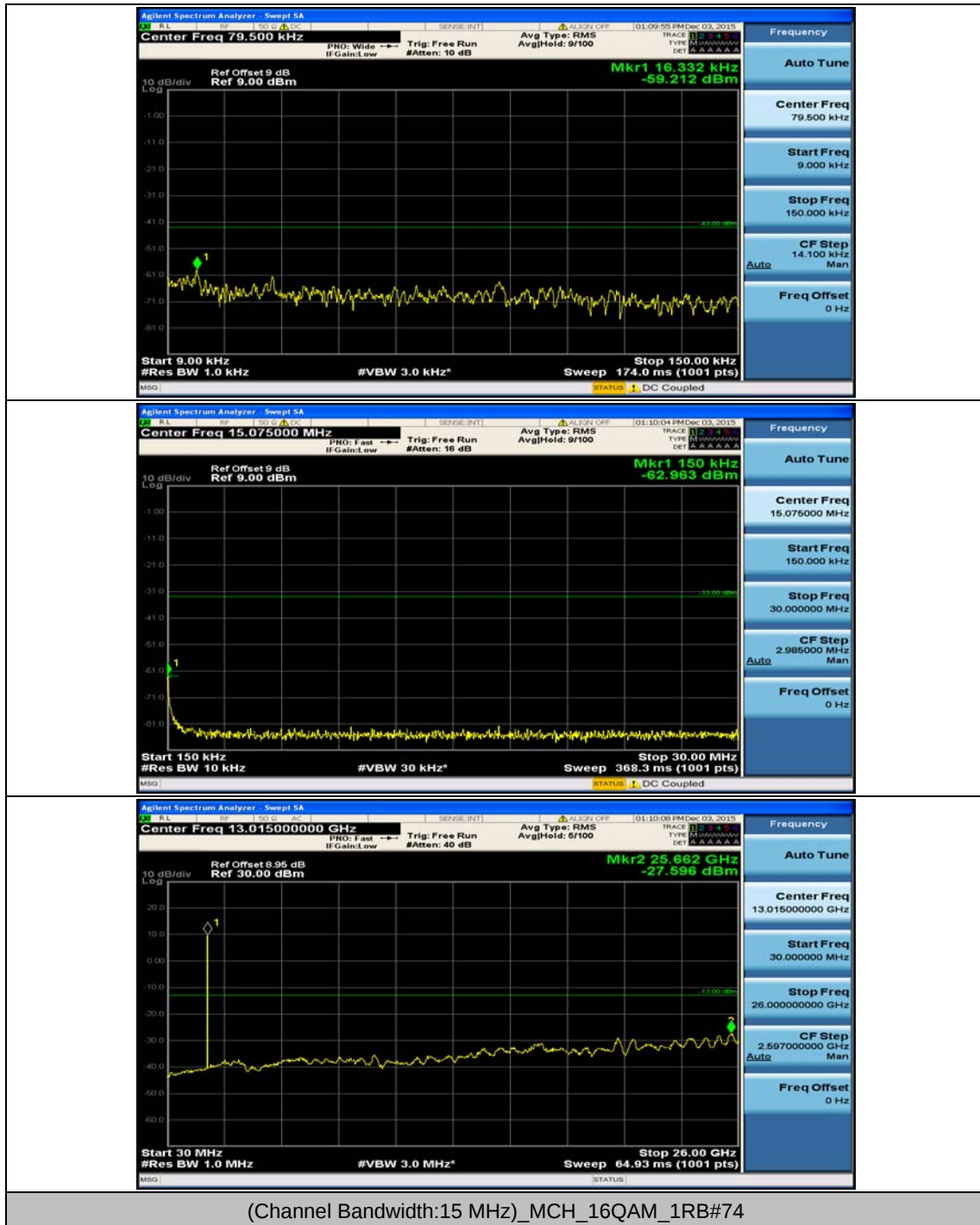


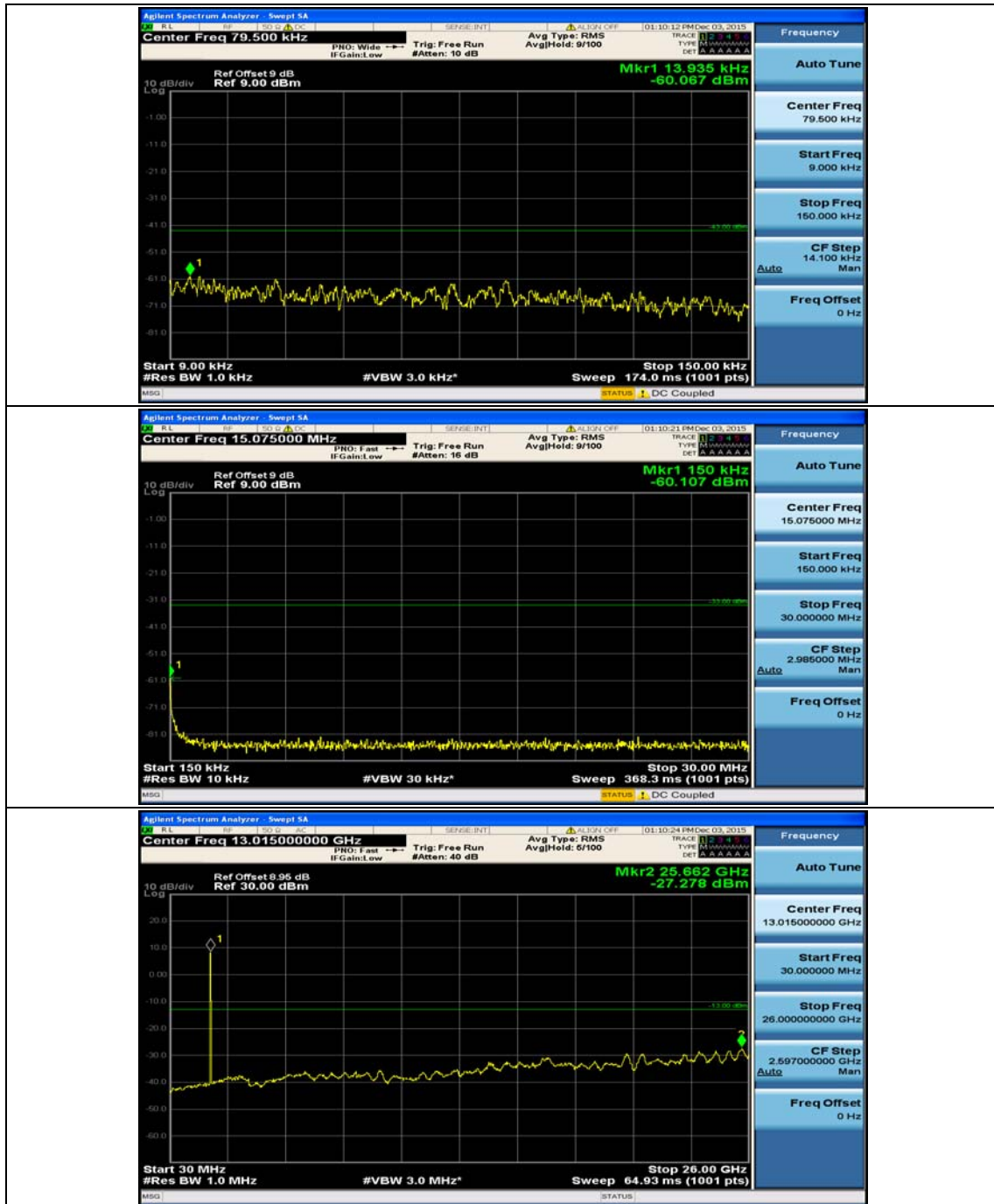


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

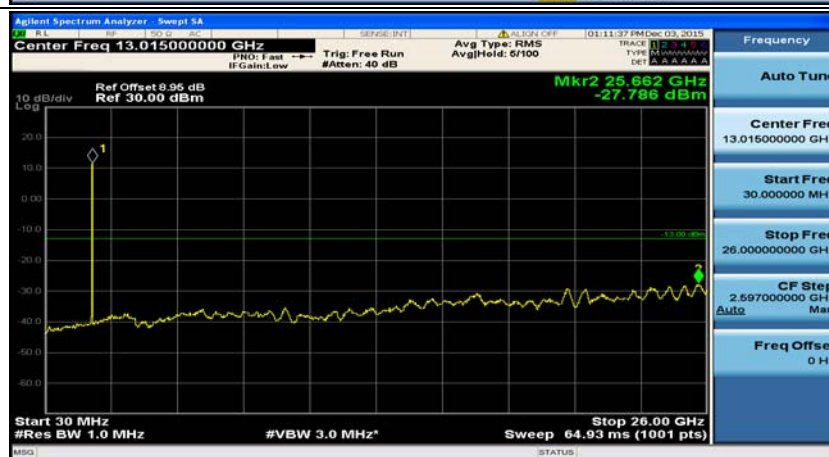
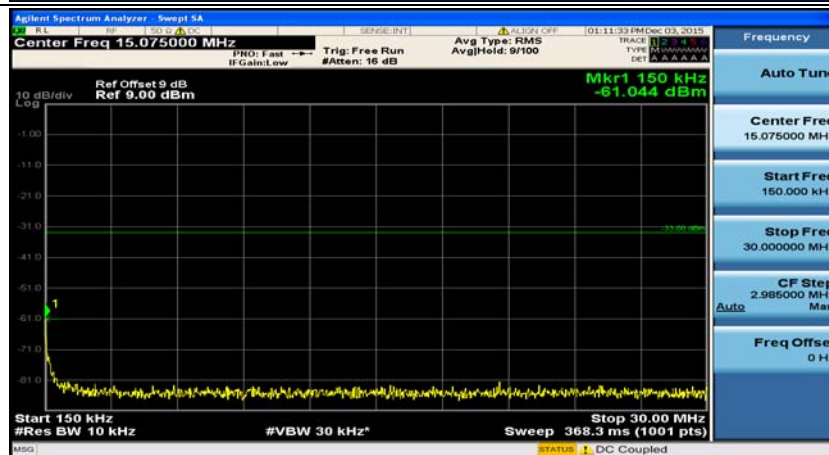
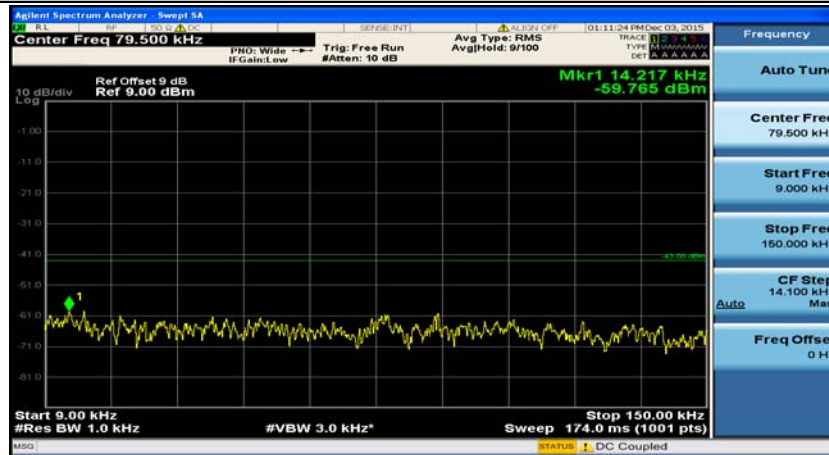


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

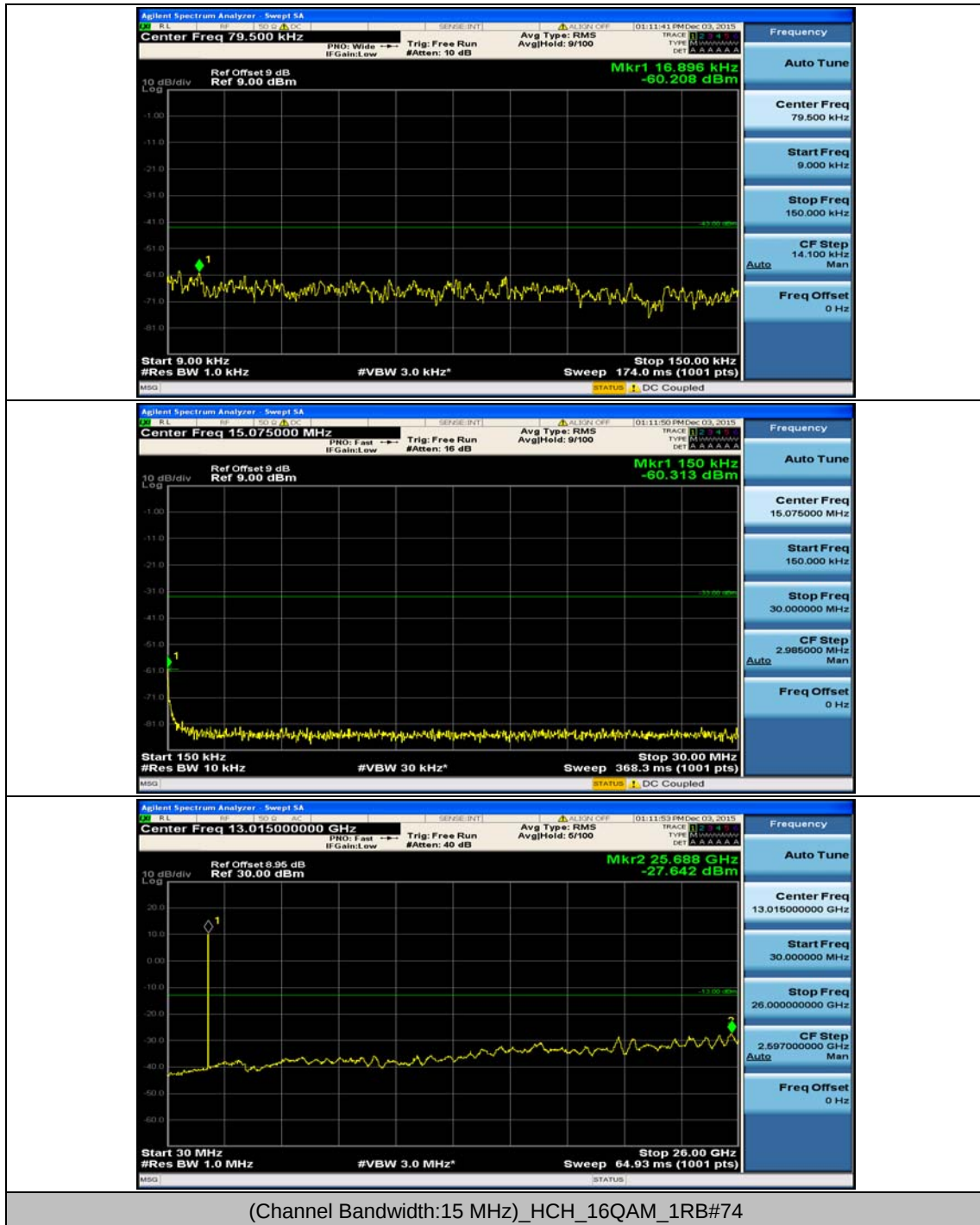


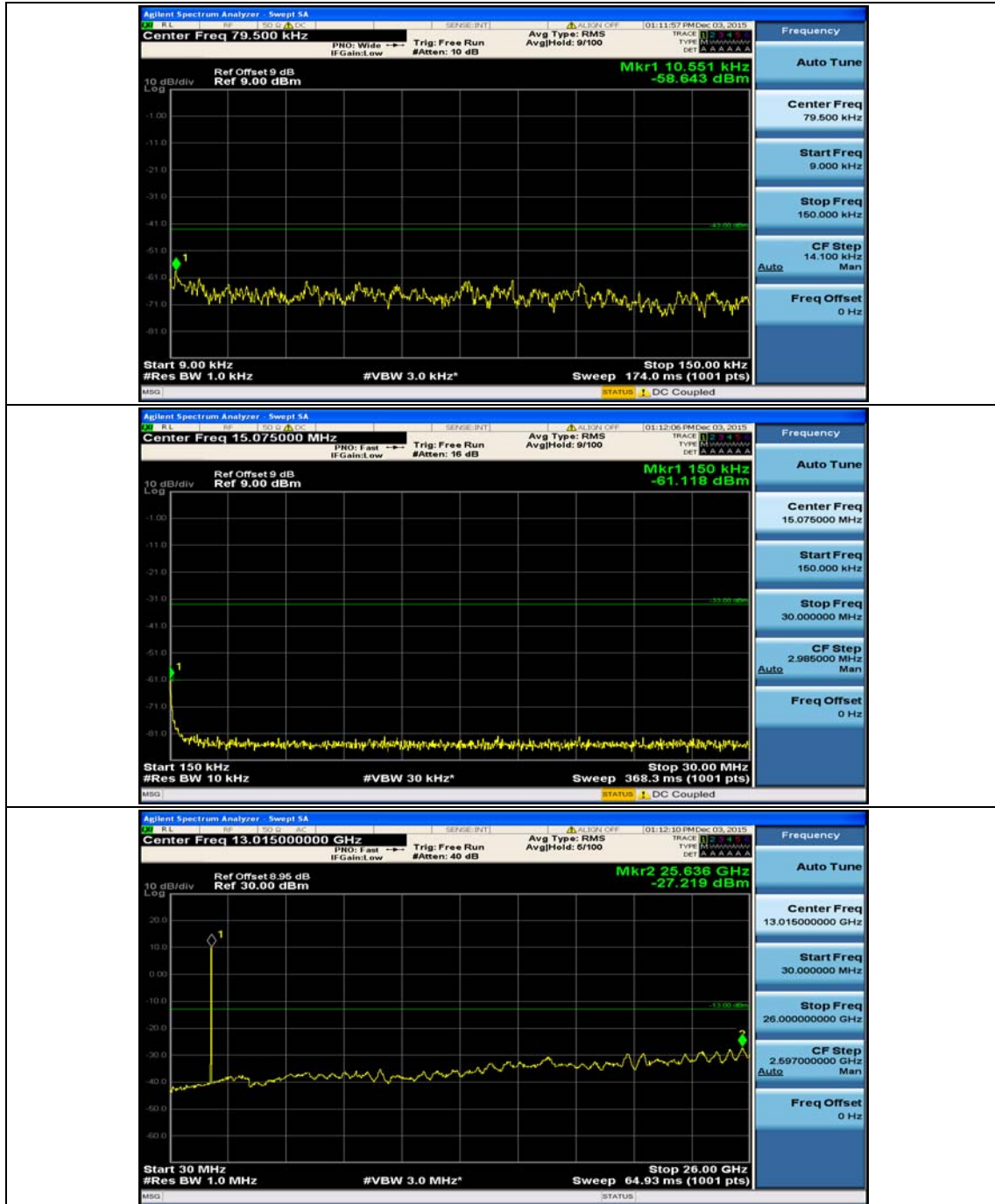


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



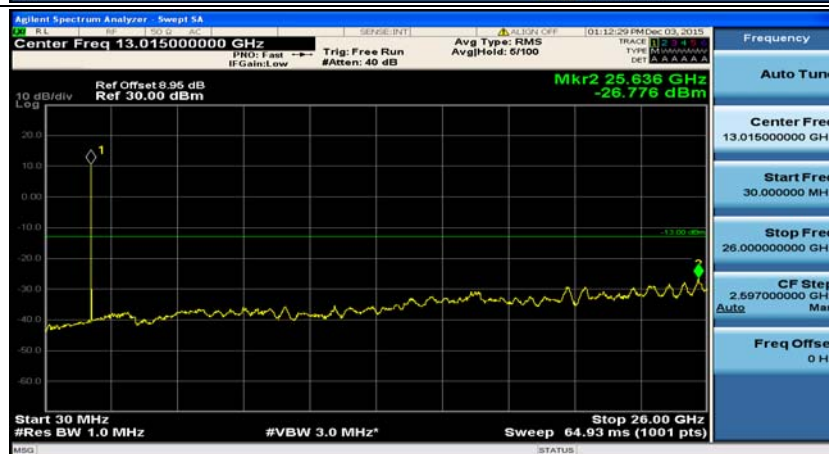
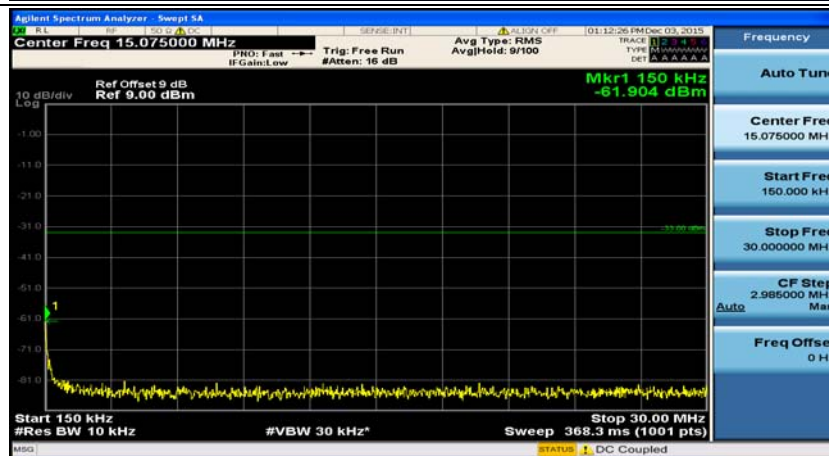
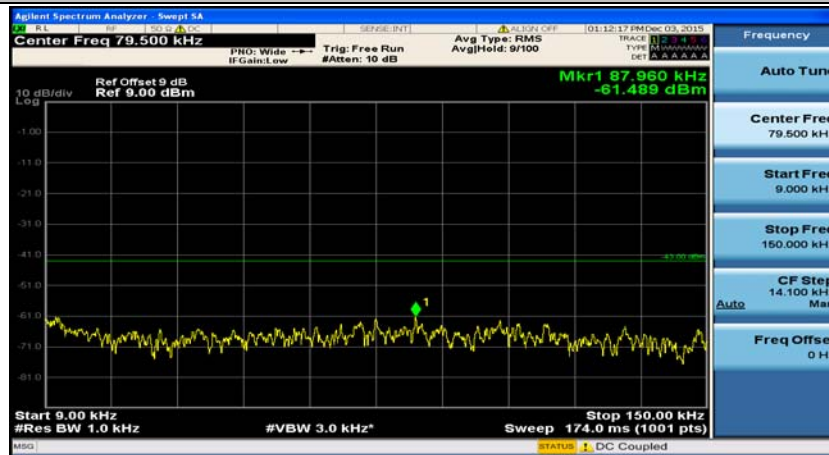
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37



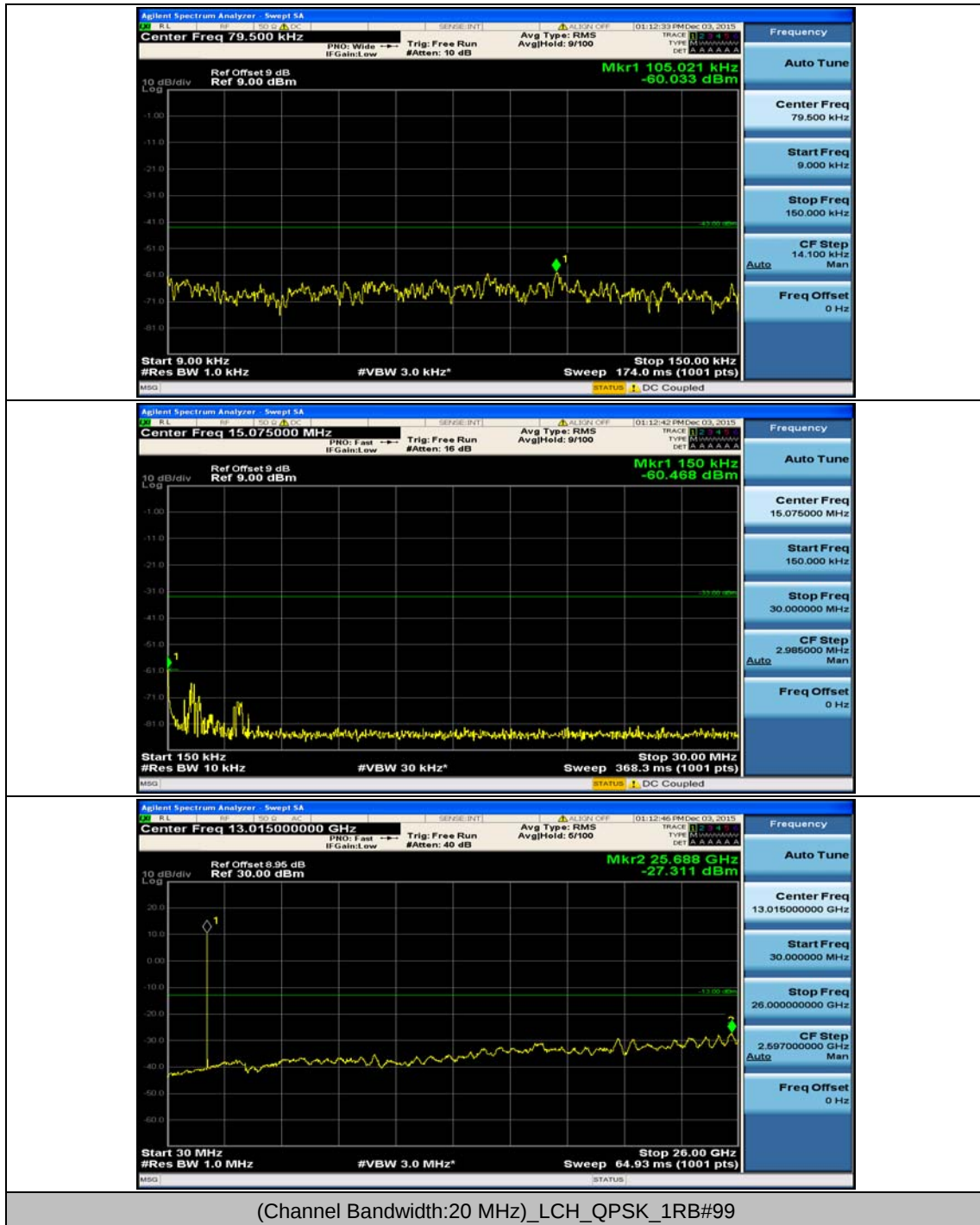


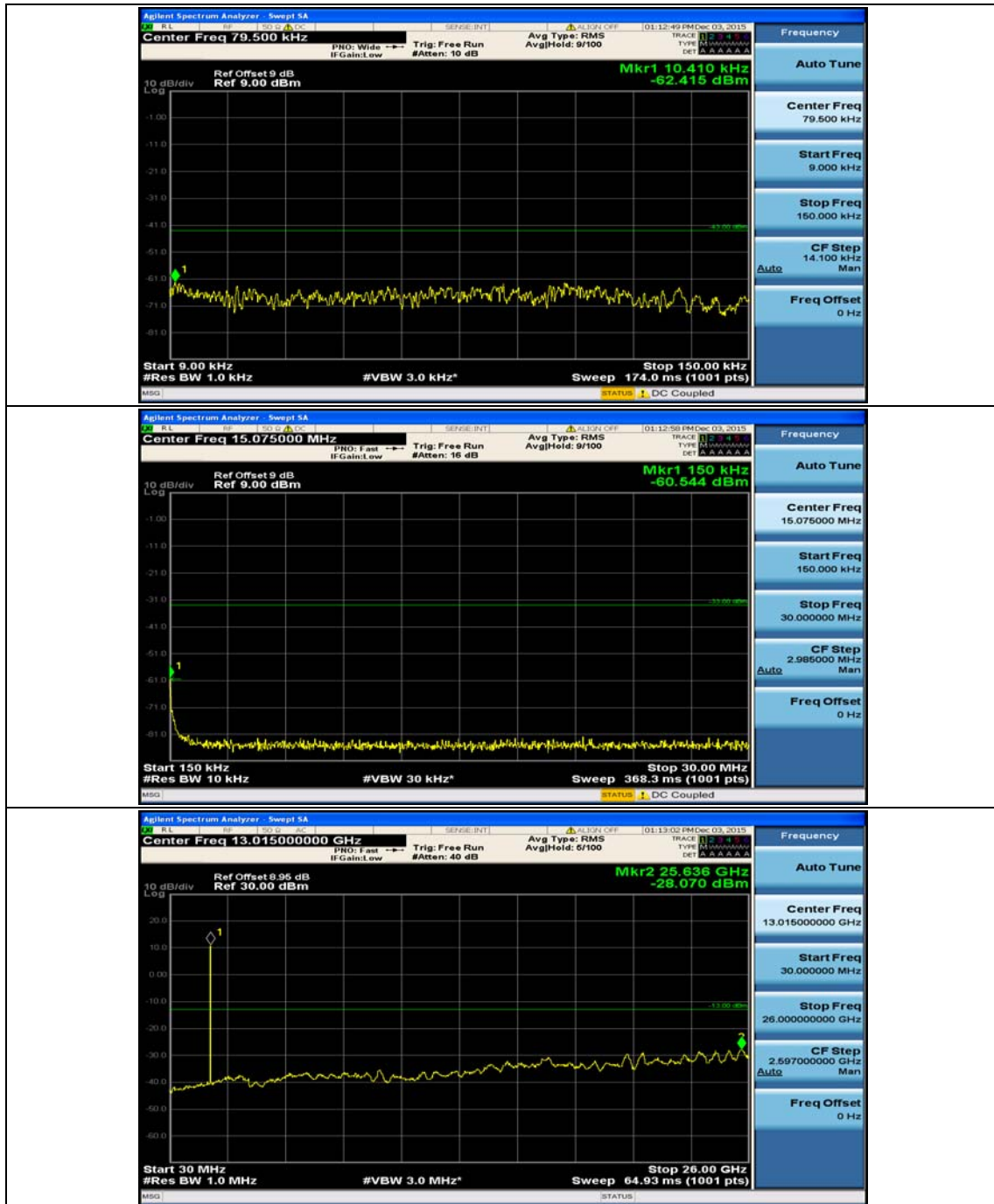
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

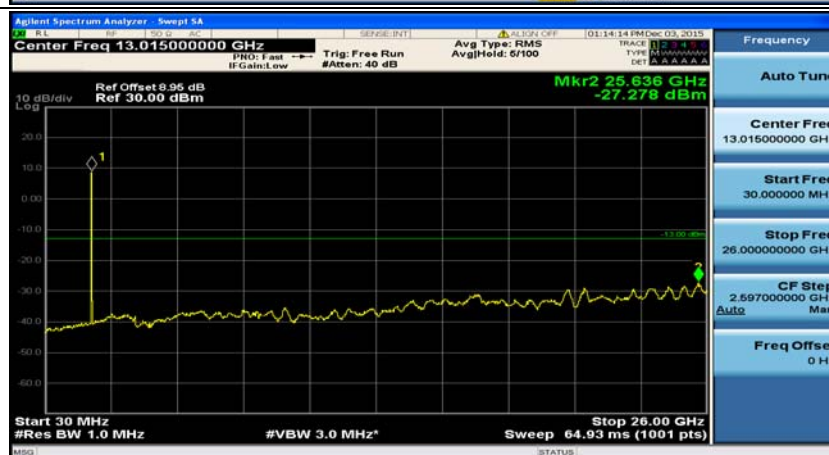
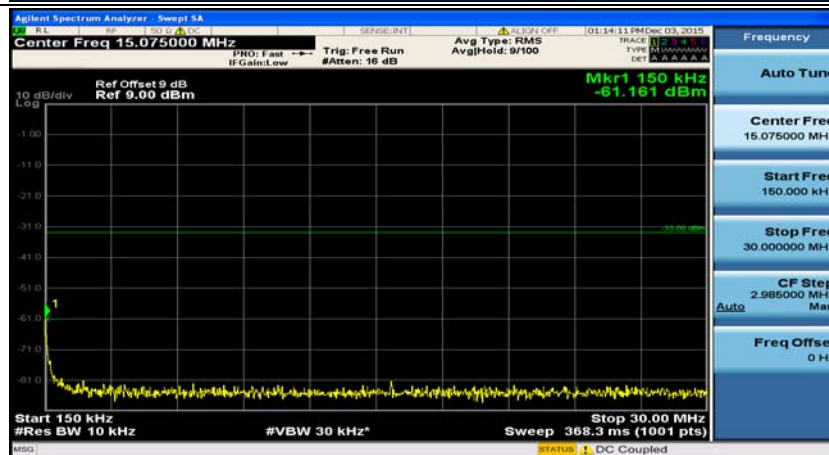
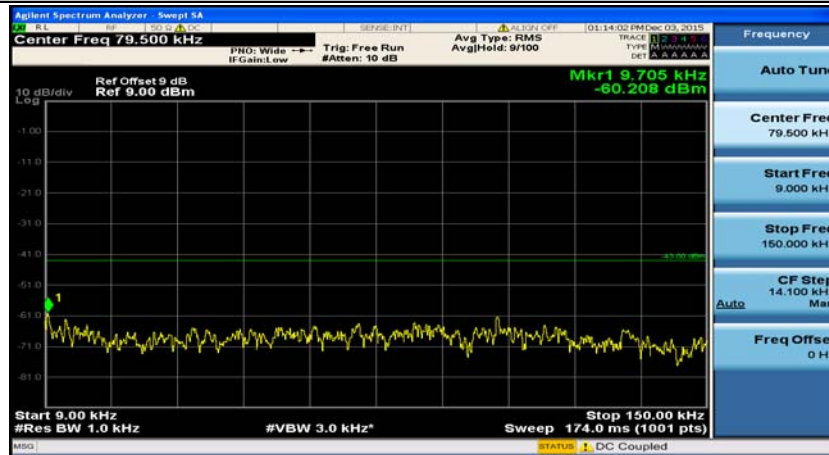


(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

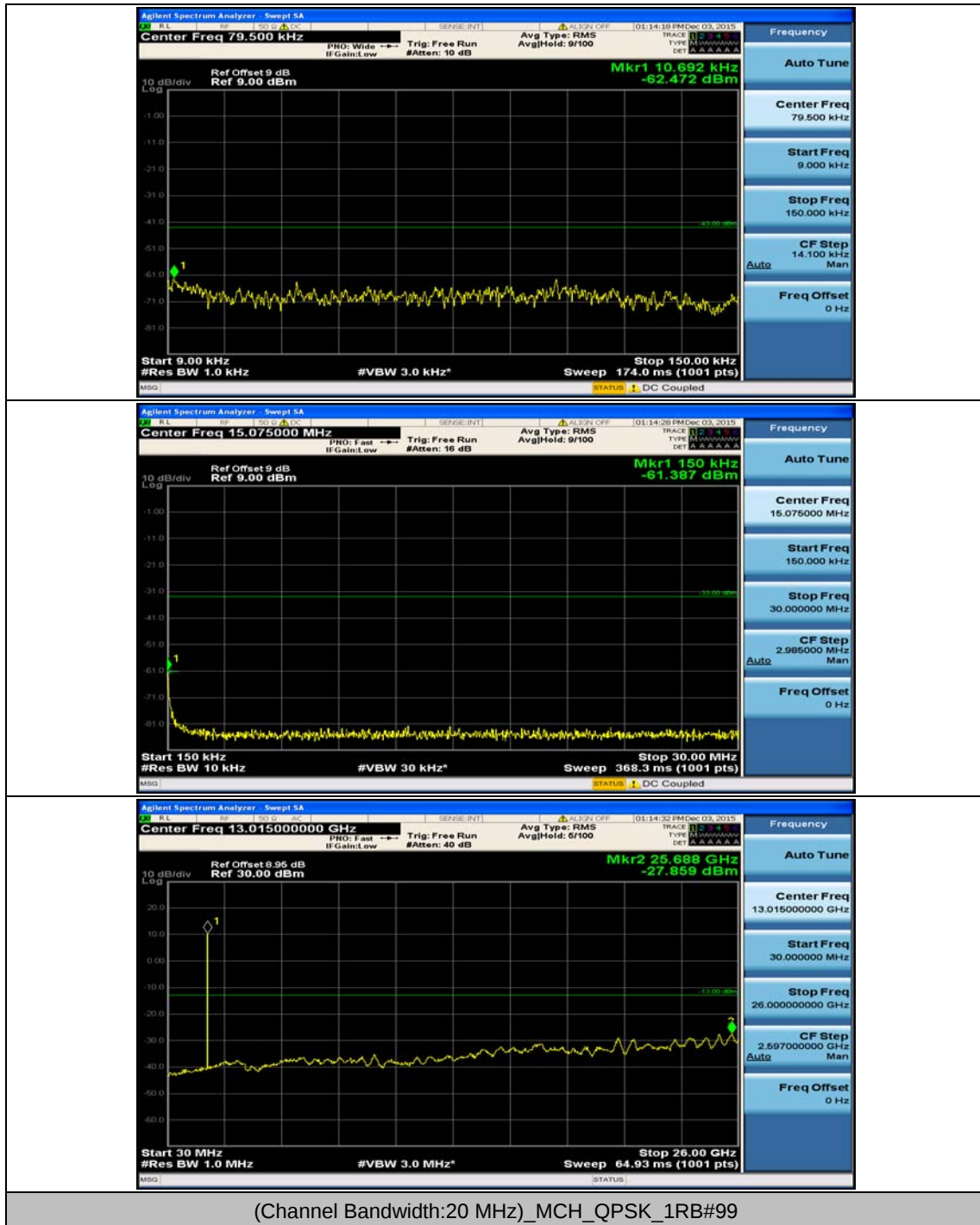


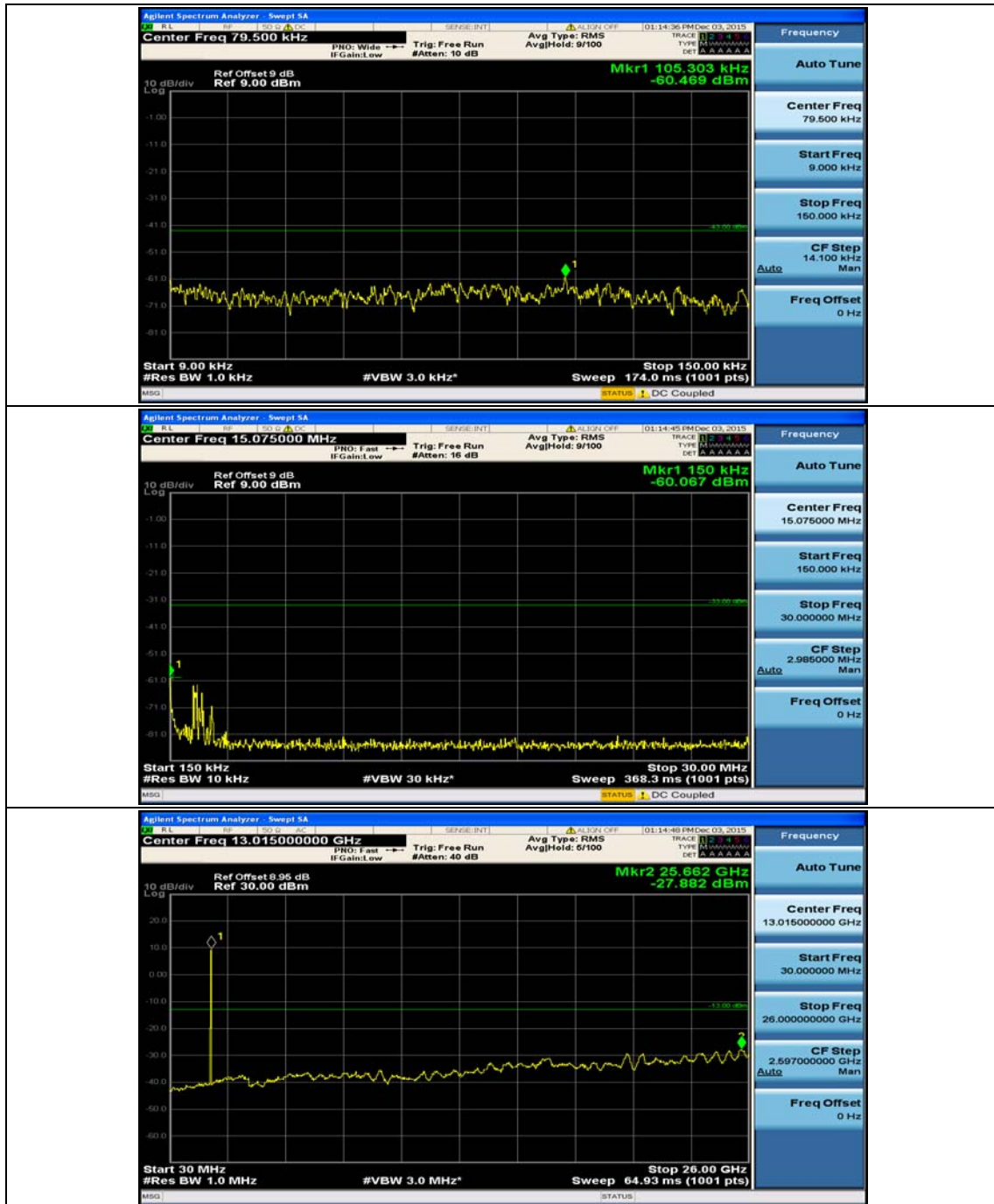


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

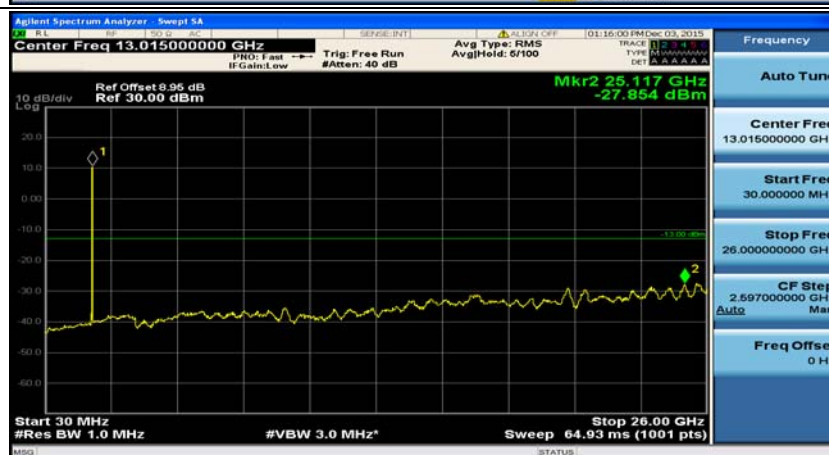
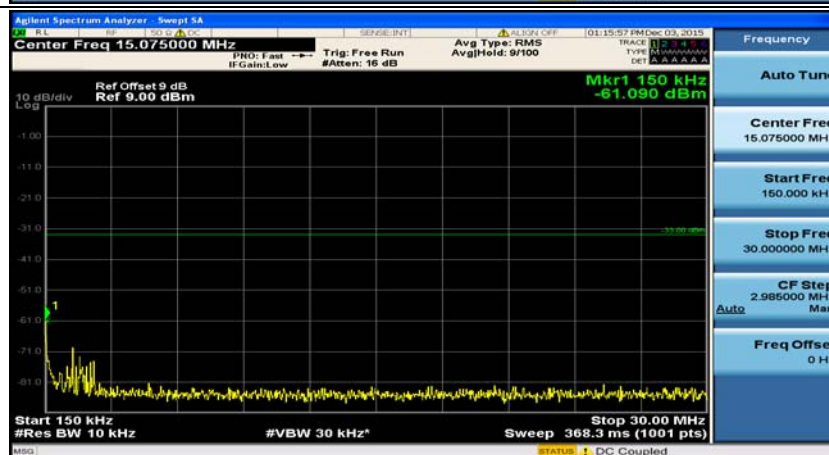
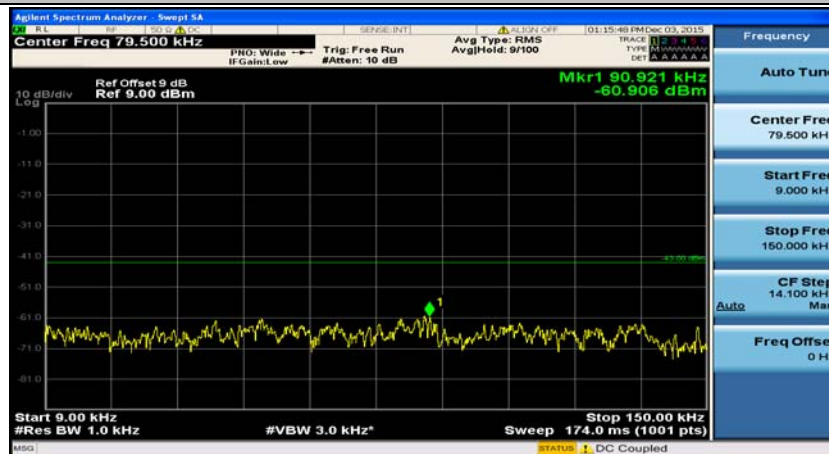


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

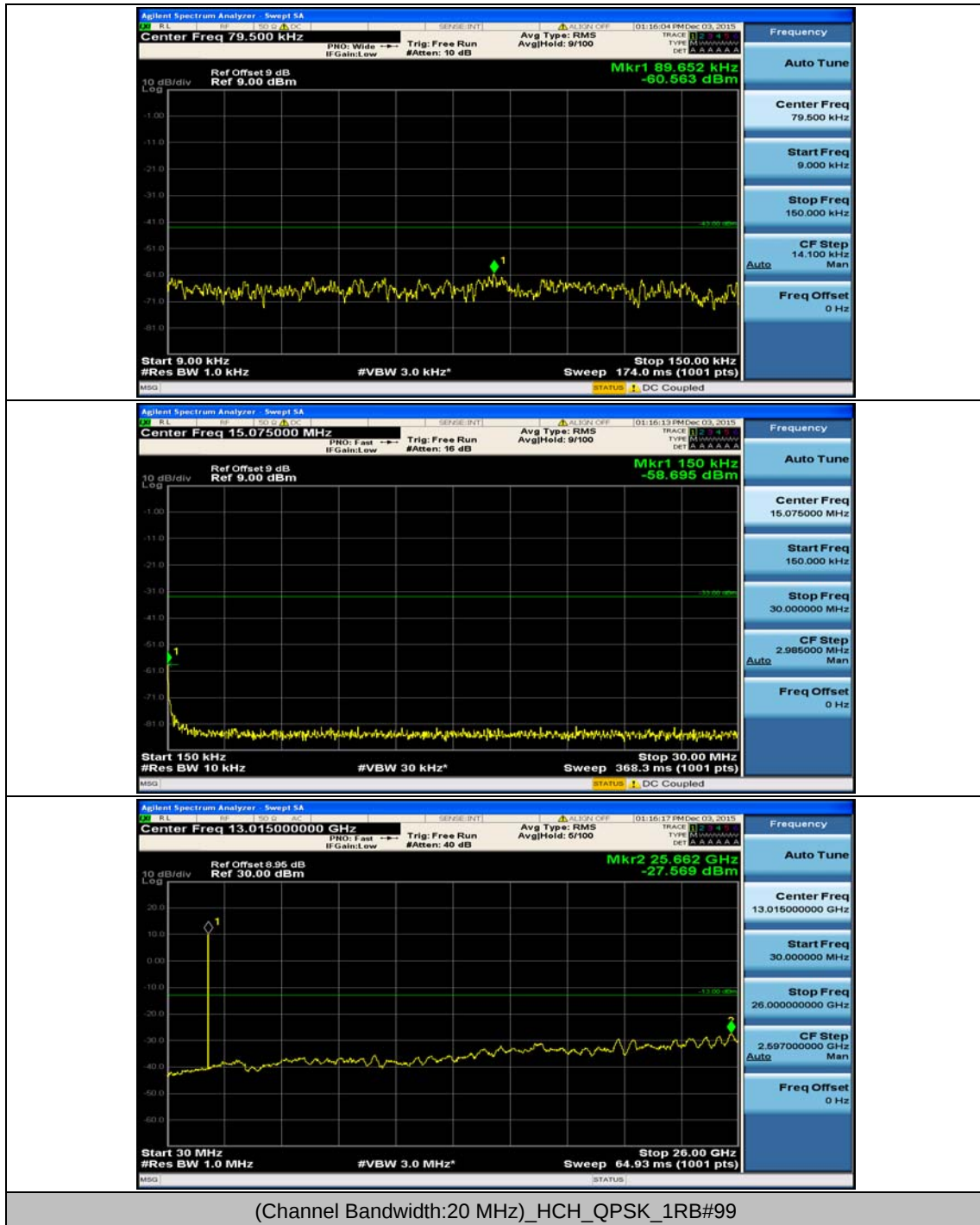


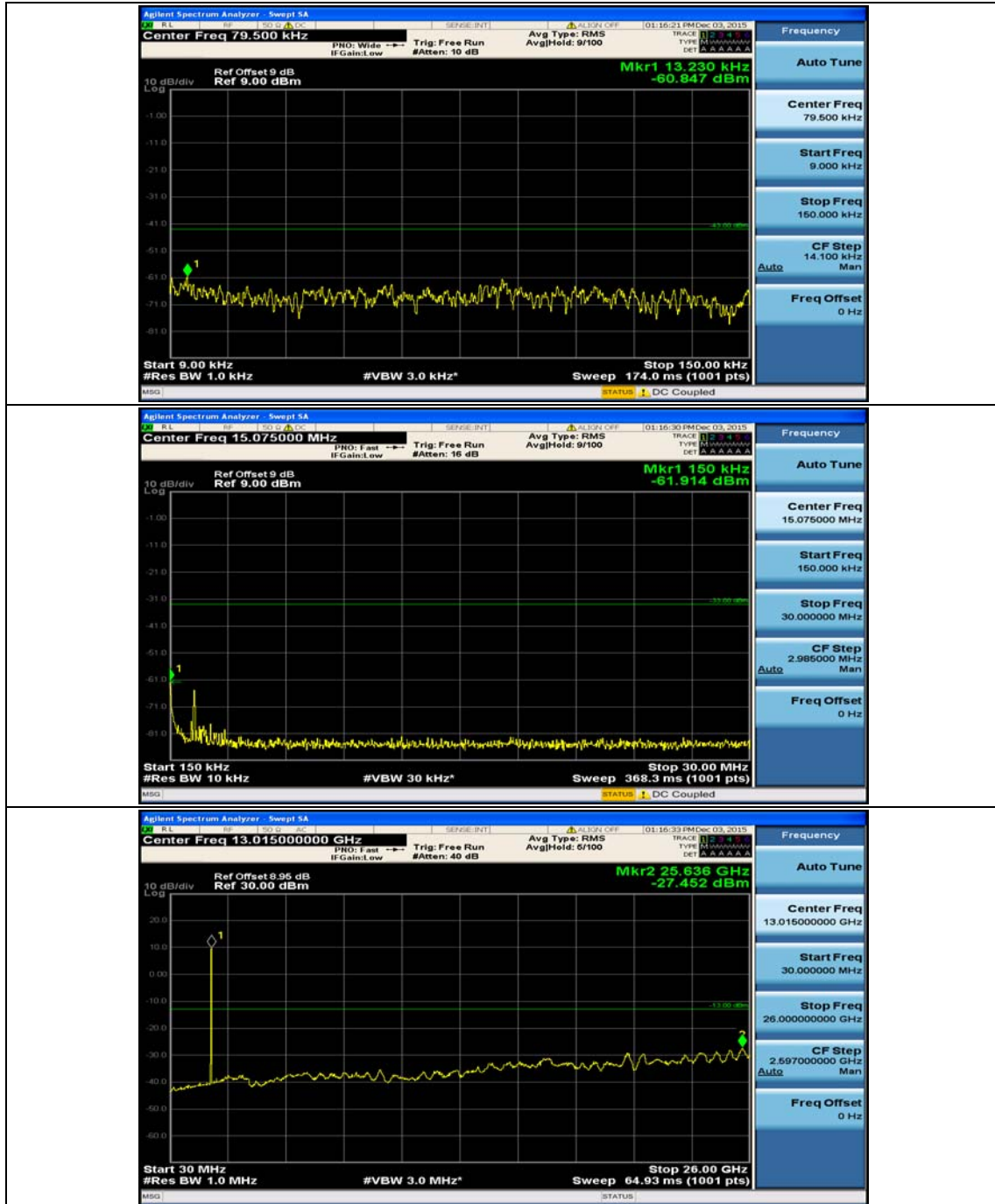


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

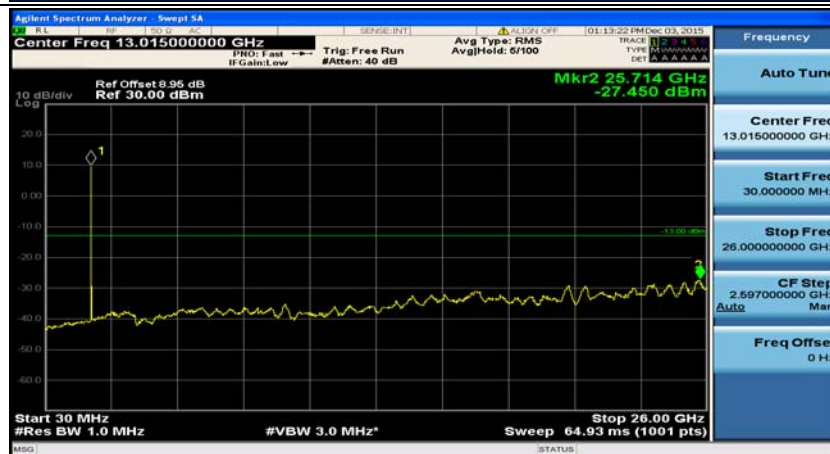
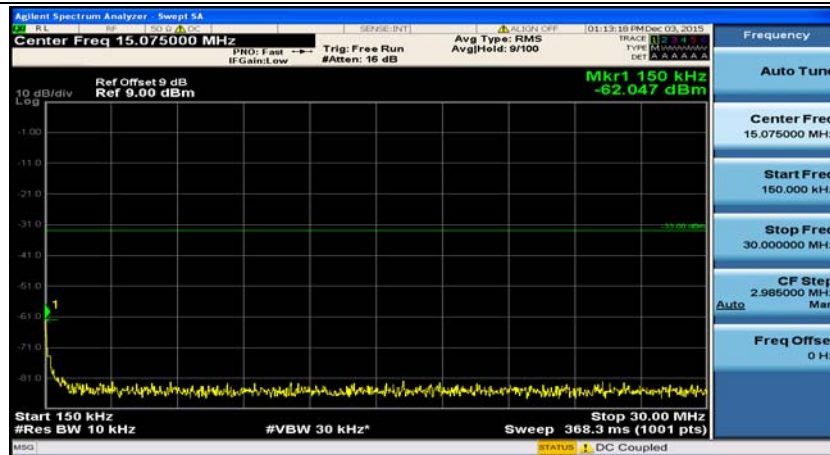
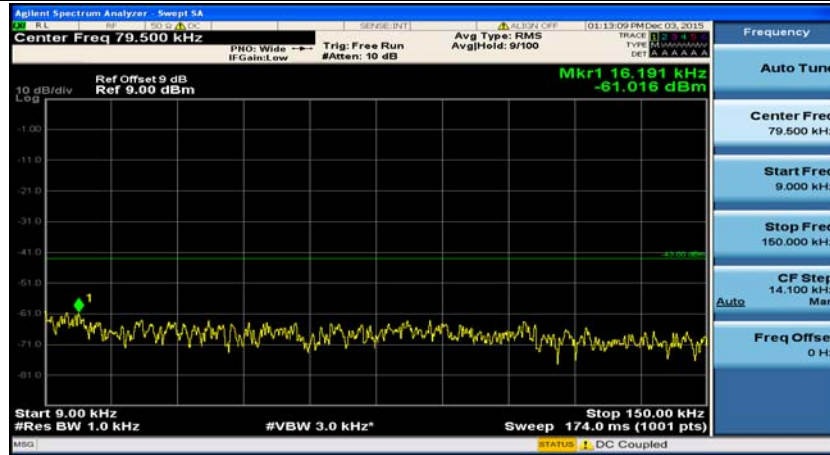


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

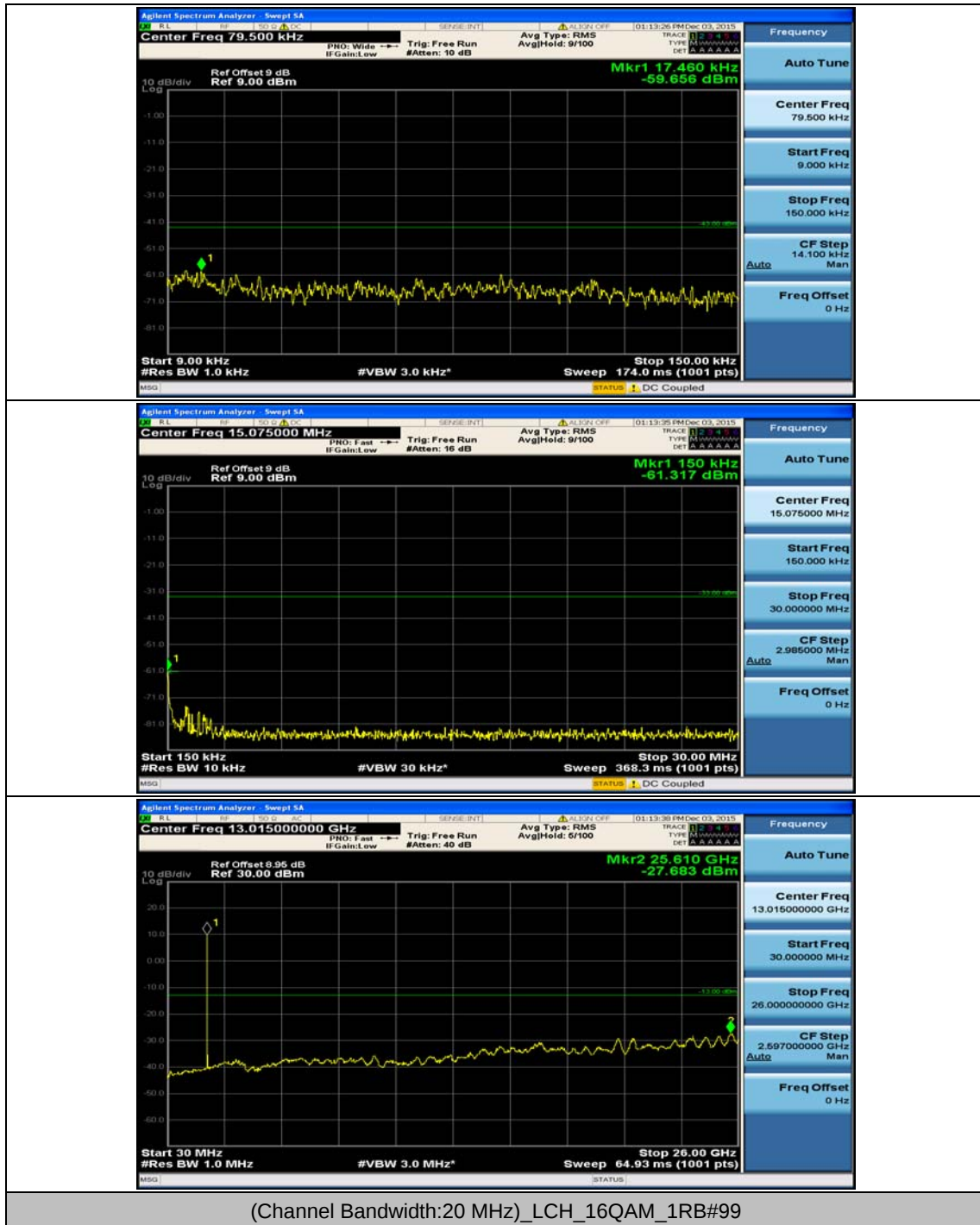


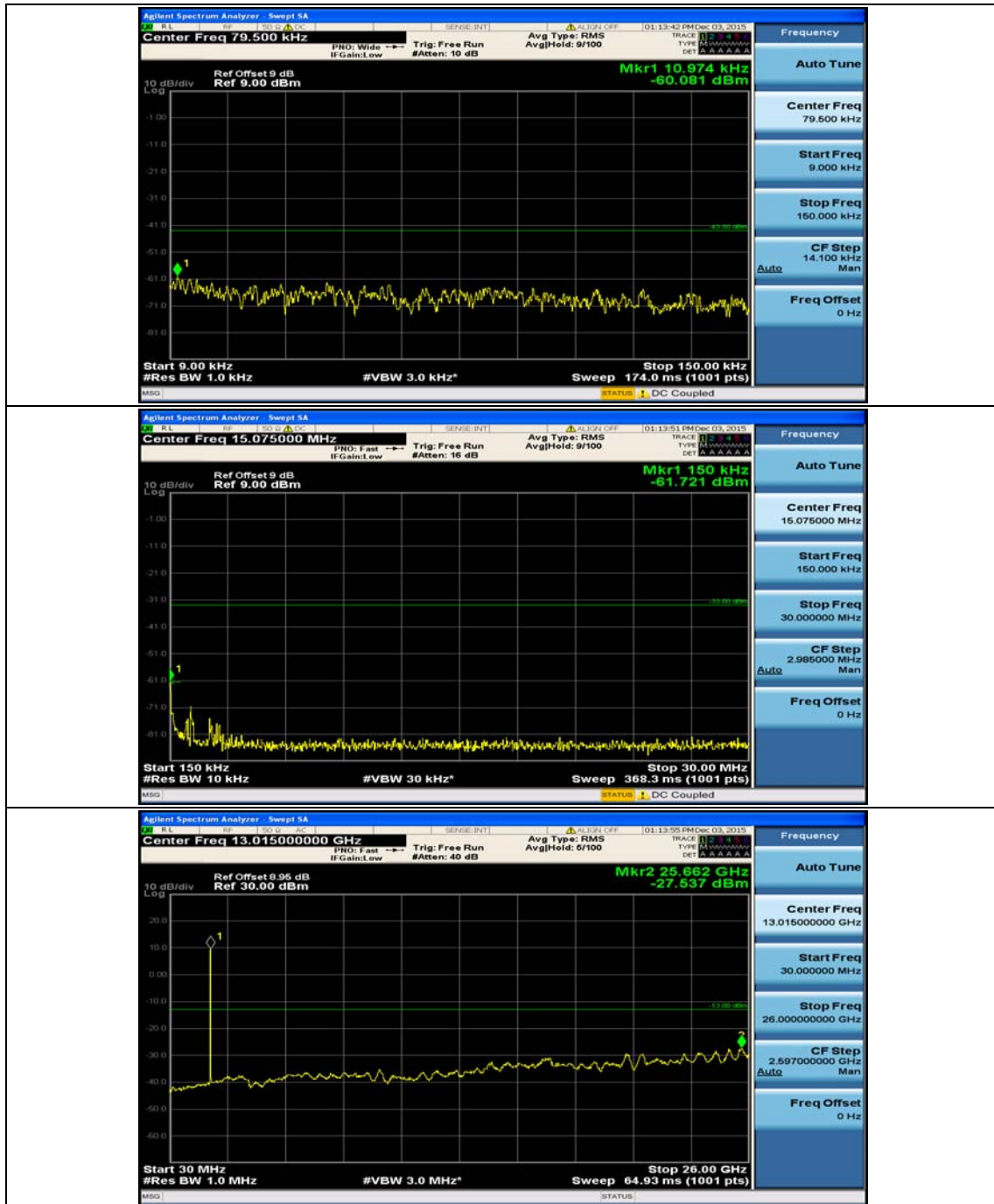


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

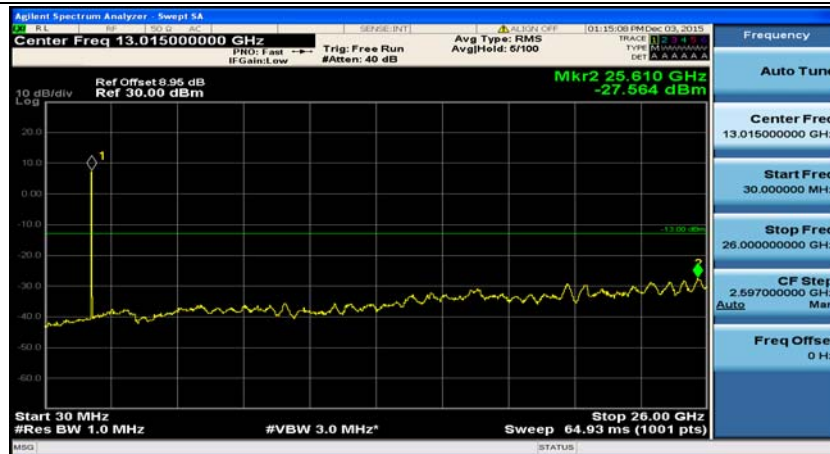
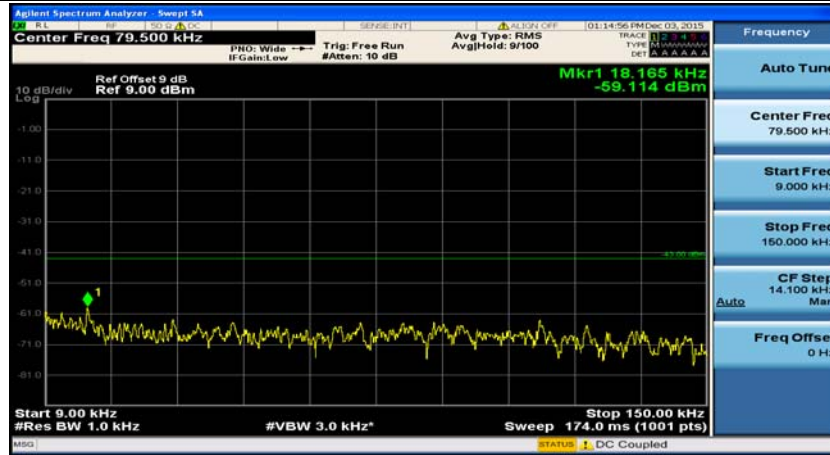


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

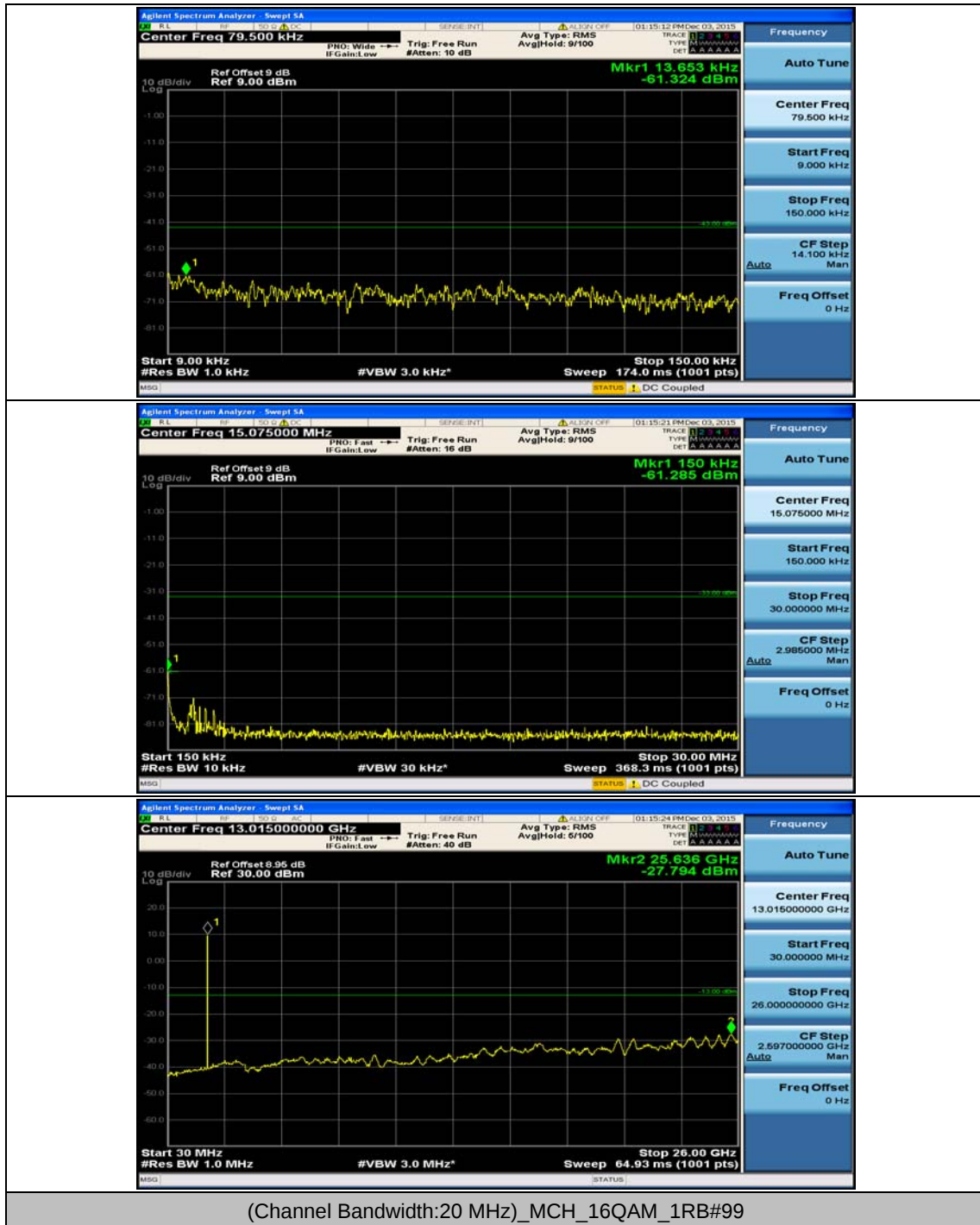


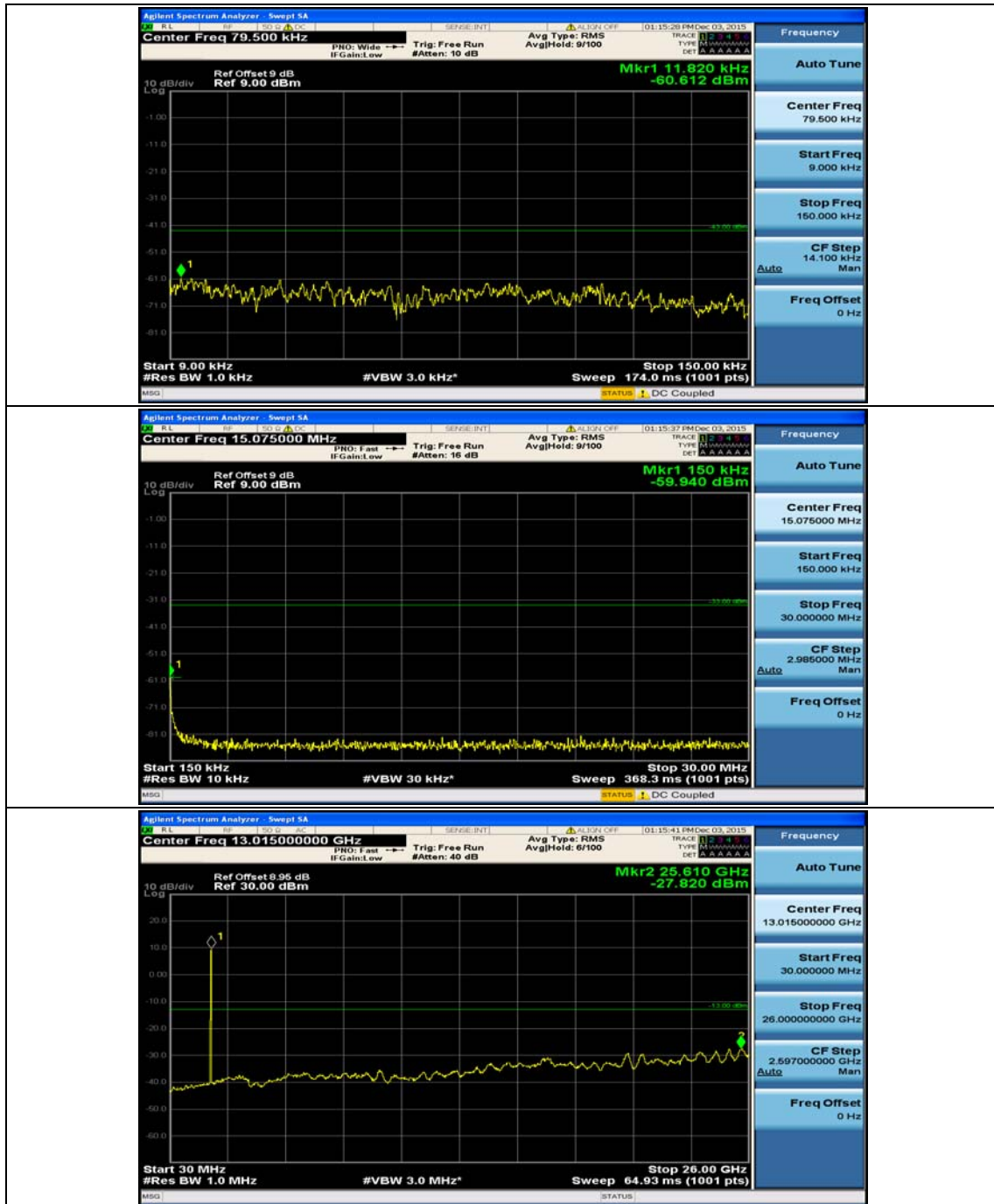


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

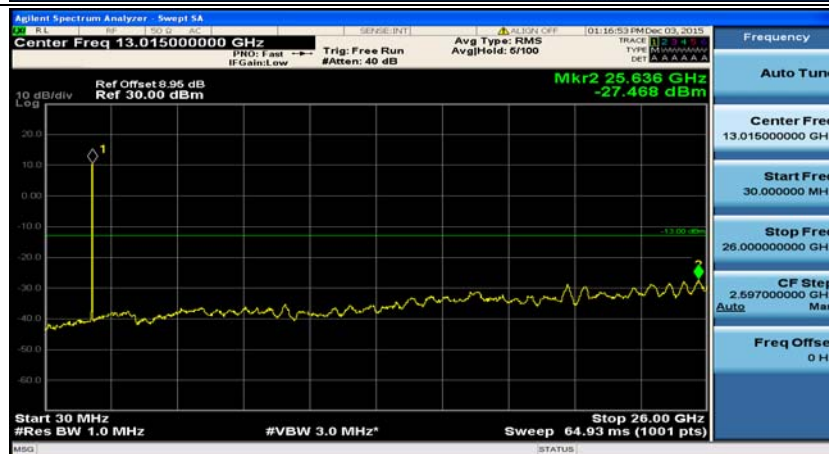
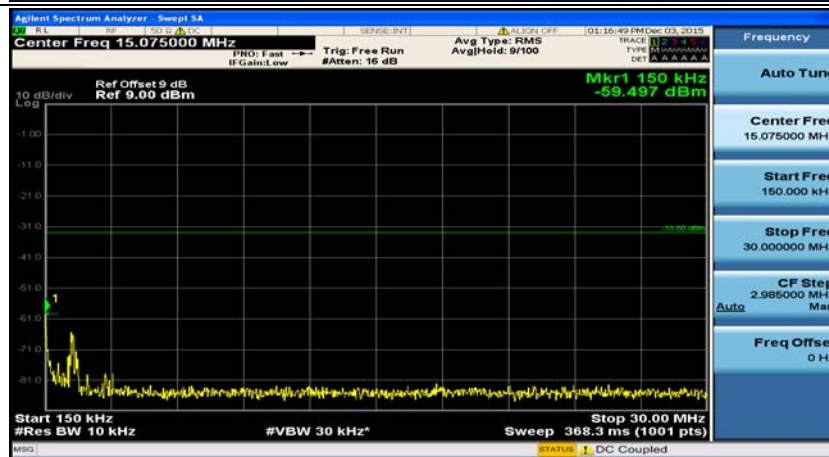
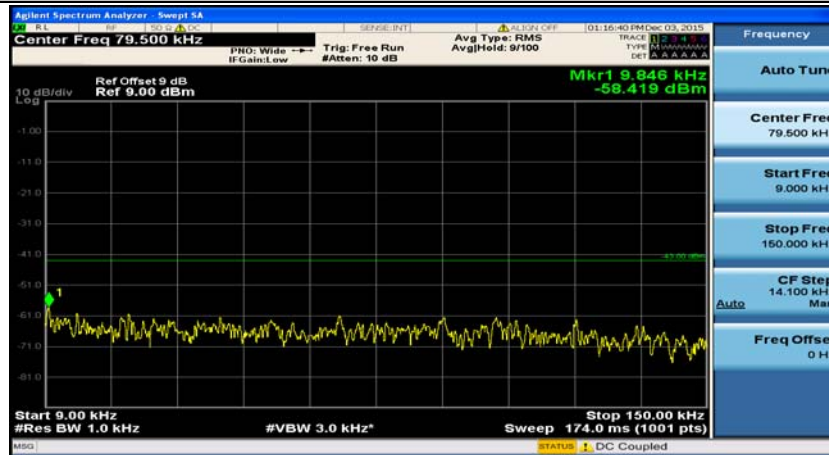


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

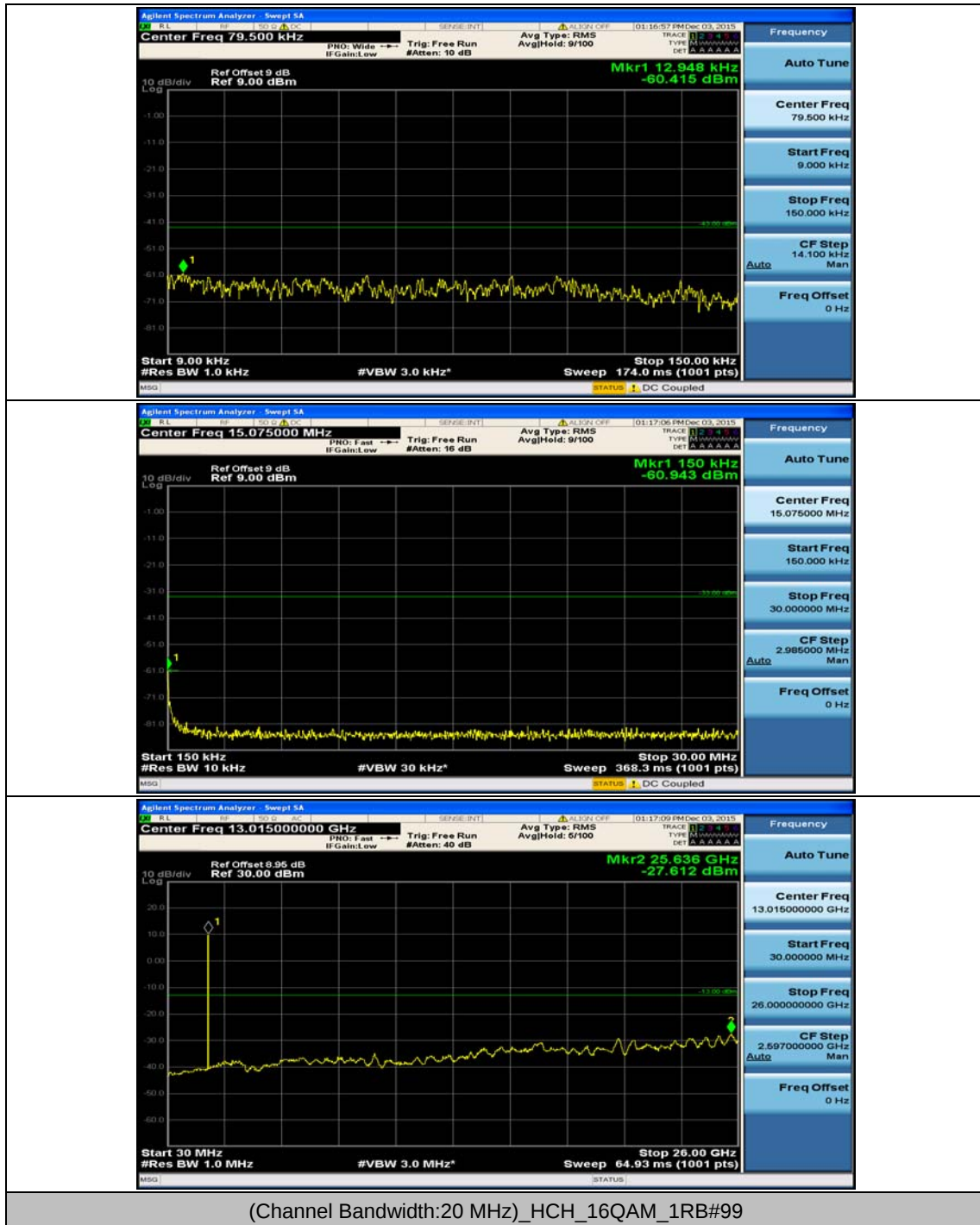


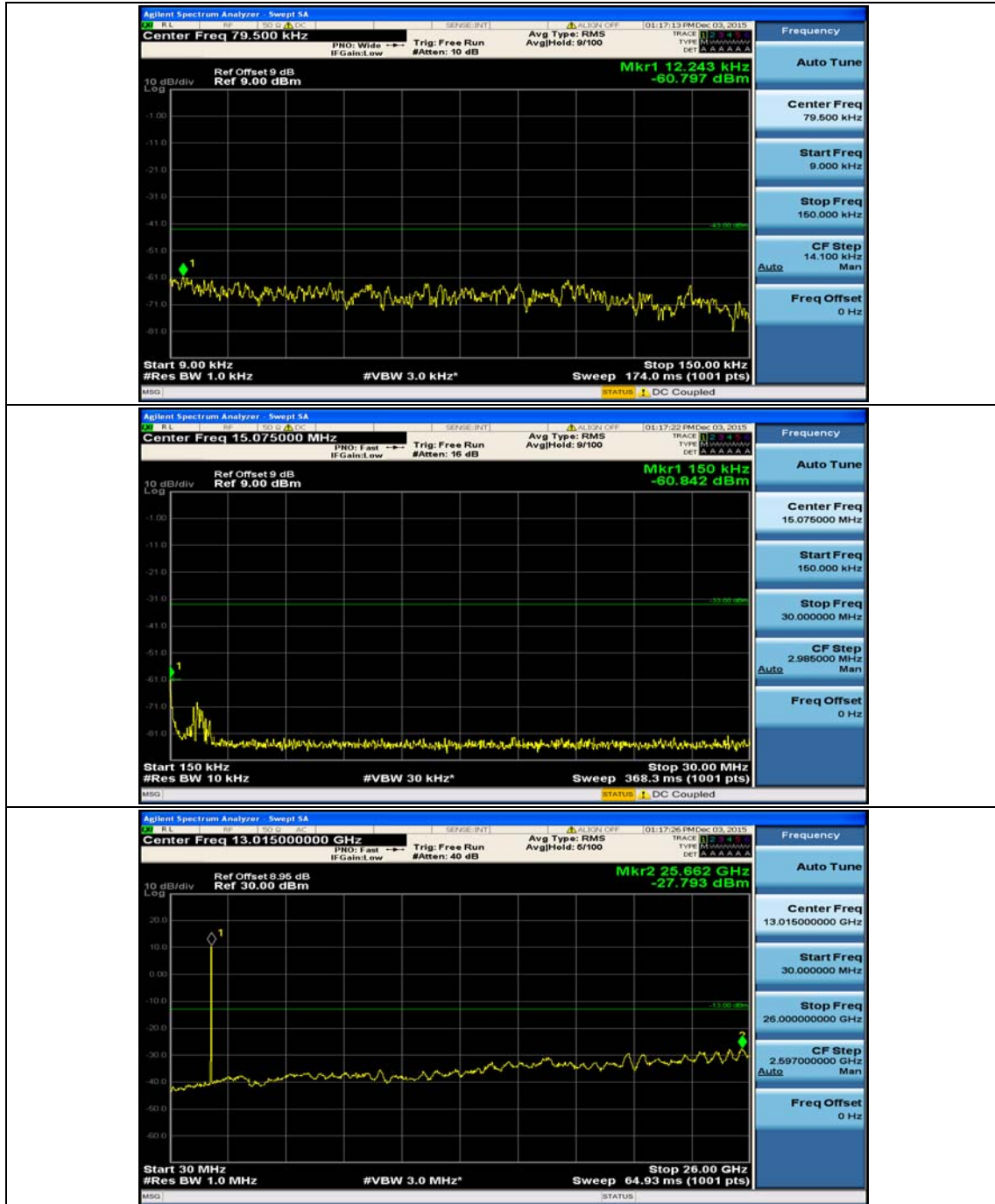


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	0.86	0.000464	± 2.5	PASS
		VN	TN	-1.24	-0.000672	± 2.5	PASS
		VH	TN	2.12	0.001144	± 2.5	PASS
	MCH	VL	TN	3.26	0.001735	± 2.5	PASS
		VN	TN	-2.68	-0.001423	± 2.5	PASS
		VH	TN	-0.04	-0.000023	± 2.5	PASS
	HCH	VL	TN	0.69	0.000360	± 2.5	PASS
		VN	TN	-1.54	-0.000809	± 2.5	PASS
		VH	TN	-3.59	-0.001881	± 2.5	PASS
16QAM	LCH	VL	TN	-3.16	-0.001708	± 2.5	PASS
		VN	TN	-1.02	-0.000549	± 2.5	PASS
		VH	TN	-2.03	-0.001098	± 2.5	PASS
	MCH	VL	TN	-2.90	-0.001545	± 2.5	PASS
		VN	TN	2.12	0.001126	± 2.5	PASS
		VH	TN	-1.03	-0.000548	± 2.5	PASS
	HCH	VL	TN	0.87	0.000457	± 2.5	PASS
		VN	TN	-2.32	-0.001214	± 2.5	PASS
		VH	TN	-2.53	-0.001326	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.75	0.002025	± 2.5	PASS
		VN	-20	3.68	0.001986	± 2.5	PASS
		VN	-10	2.29	0.001237	± 2.5	PASS
		VN	0	-4.16	-0.002249	± 2.5	PASS
		VN	10	1.85	0.000997	± 2.5	PASS
		VN	20	0.06	0.000031	± 2.5	PASS
		VN	30	0.17	0.000093	± 2.5	PASS
		VN	40	-0.24	-0.000131	± 2.5	PASS
		VN	50	-0.89	-0.000479	± 2.5	PASS
	MCH	VN	-30	0.77	0.000411	± 2.5	PASS
		VN	-20	-0.23	-0.000122	± 2.5	PASS
		VN	-10	1.92	0.001020	± 2.5	PASS
		VN	0	2.72	0.001446	± 2.5	PASS
		VN	10	3.78	0.002009	± 2.5	PASS
		VN	20	3.38	0.001796	± 2.5	PASS
VN	30	-2.80	-0.001491	± 2.5	PASS		

		VN	40	-3.08	-0.001636	± 2.5	PASS
		VN	50	-2.12	-0.001126	± 2.5	PASS
	HCH	VN	-30	2.26	0.001184	± 2.5	PASS
		VN	-20	3.02	0.001581	± 2.5	PASS
		VN	-10	1.93	0.001011	± 2.5	PASS
		VN	0	0.19	0.000097	± 2.5	PASS
		VN	10	-0.59	-0.000307	± 2.5	PASS
		VN	20	-1.69	-0.000884	± 2.5	PASS
		VN	30	3.13	0.001641	± 2.5	PASS
		VN	40	3.45	0.001806	± 2.5	PASS
		VN	50	2.86	0.001498	± 2.5	PASS
16QAM	LCH	VN	-30	-2.39	-0.001291	± 2.5	PASS
		VN	-20	-4.99	-0.002698	± 2.5	PASS
		VN	-10	1.42	0.000765	± 2.5	PASS
		VN	0	0.29	0.000155	± 2.5	PASS
		VN	10	-0.89	-0.000479	± 2.5	PASS
		VN	20	-1.79	-0.000966	± 2.5	PASS
		VN	30	0.53	0.000286	± 2.5	PASS
		VN	40	-2.00	-0.001082	± 2.5	PASS
		VN	50	-1.75	-0.000943	± 2.5	PASS
	MCH	VN	-30	-5.45	-0.002899	± 2.5	PASS
		VN	-20	0.03	0.000015	± 2.5	PASS
		VN	-10	-0.54	-0.000289	± 2.5	PASS
		VN	0	-1.49	-0.000791	± 2.5	PASS
		VN	10	-1.47	-0.000784	± 2.5	PASS
		VN	20	-1.97	-0.001050	± 2.5	PASS
		VN	30	-1.57	-0.000837	± 2.5	PASS
		VN	40	0.99	0.000525	± 2.5	PASS
		VN	50	-2.89	-0.001537	± 2.5	PASS
	HCH	VN	-30	-3.78	-0.001978	± 2.5	PASS
		VN	-20	-3.26	-0.001708	± 2.5	PASS
		VN	-10	-2.37	-0.001244	± 2.5	PASS
		VN	0	-3.66	-0.001918	± 2.5	PASS
		VN	10	1.89	0.000989	± 2.5	PASS
		VN	20	1.86	0.000974	± 2.5	PASS
		VN	30	1.17	0.000614	± 2.5	PASS
		VN	40	-4.72	-0.002472	± 2.5	PASS
		VN	50	-3.79	-0.001985	± 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	-0.64	-0.000348	± 2.5	PASS
		VN	TN	-0.33	-0.000178	± 2.5	PASS
		VH	TN	-0.93	-0.000502	± 2.5	PASS
	MCH	VL	TN	-3.58	-0.001902	± 2.5	PASS

		VN	TN	-1.29	-0.000685	± 2.5	PASS
		VH	TN	-1.22	-0.000647	± 2.5	PASS
	HCH	VL	TN	-0.20	-0.000105	± 2.5	PASS
		VN	TN	2.33	0.001222	± 2.5	PASS
		VH	TN	-2.30	-0.001207	± 2.5	PASS
16QAM	LCH	VL	TN	-0.26	-0.000139	± 2.5	PASS
		VN	TN	-3.35	-0.001808	± 2.5	PASS
		VH	TN	0.87	0.000471	± 2.5	PASS
	MCH	VL	TN	-0.23	-0.000122	± 2.5	PASS
		VN	TN	-1.57	-0.000837	± 2.5	PASS
		VH	TN	-2.78	-0.001476	± 2.5	PASS
	HCH	VL	TN	0.64	0.000337	± 2.5	PASS
		VN	TN	-0.84	-0.000442	± 2.5	PASS
		VH	TN	-0.36	-0.000187	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.72	0.002550	± 2.5	PASS
		VN	-20	3.88	0.002094	± 2.5	PASS
		VN	-10	-2.10	-0.001136	± 2.5	PASS
		VN	0	-1.87	-0.001012	± 2.5	PASS
		VN	10	1.24	0.000672	± 2.5	PASS
		VN	20	-1.93	-0.001043	± 2.5	PASS
		VN	30	1.65	0.000889	± 2.5	PASS
		VN	40	-2.32	-0.001252	± 2.5	PASS
		VN	50	-2.12	-0.001143	± 2.5	PASS
	MCH	VN	-30	-0.83	-0.000441	± 2.5	PASS
		VN	-20	4.52	0.002404	± 2.5	PASS
		VN	-10	-1.29	-0.000685	± 2.5	PASS
		VN	0	-0.09	-0.000046	± 2.5	PASS
		VN	10	0.64	0.000342	± 2.5	PASS
		VN	20	-0.66	-0.000350	± 2.5	PASS
		VN	30	-1.63	-0.000867	± 2.5	PASS
		VN	40	-1.04	-0.000555	± 2.5	PASS
		VN	50	-2.00	-0.001065	± 2.5	PASS
	HCH	VN	-30	-1.52	-0.000795	± 2.5	PASS
		VN	-20	-0.86	-0.000450	± 2.5	PASS
		VN	-10	-0.62	-0.000322	± 2.5	PASS
		VN	0	-1.02	-0.000532	± 2.5	PASS
		VN	10	-3.93	-0.002061	± 2.5	PASS
		VN	20	0.94	0.000495	± 2.5	PASS
		VN	30	0.27	0.000142	± 2.5	PASS
		VN	40	2.75	0.001439	± 2.5	PASS
		VN	50	-2.60	-0.001364	± 2.5	PASS
16QAM	LCH	VN	-30	-3.23	-0.001746	± 2.5	PASS
		VN	-20	-0.92	-0.000494	± 2.5	PASS
		VN	-10	-0.09	-0.000046	± 2.5	PASS
		VN	0	-0.14	-0.000077	± 2.5	PASS
		VN	10	-0.27	-0.000147	± 2.5	PASS
		VN	20	-0.41	-0.000224	± 2.5	PASS

		VN	30	-1.02	-0.000549	± 2.5	PASS
		VN	40	-0.80	-0.000433	± 2.5	PASS
		VN	50	2.68	0.001445	± 2.5	PASS
	MCH	VN	-30	-1.29	-0.000685	± 2.5	PASS
		VN	-20	1.70	0.000905	± 2.5	PASS
		VN	-10	-3.36	-0.001788	± 2.5	PASS
		VN	0	0.40	0.000213	± 2.5	PASS
		VN	10	0.80	0.000426	± 2.5	PASS
		VN	20	0.07	0.000038	± 2.5	PASS
		VN	30	0.53	0.000282	± 2.5	PASS
		VN	40	1.32	0.000700	± 2.5	PASS
		VN	50	-3.10	-0.001651	± 2.5	PASS
	HCH	VN	-30	-1.93	-0.001012	± 2.5	PASS
		VN	-20	1.82	0.000952	± 2.5	PASS
		VN	-10	-3.33	-0.001746	± 2.5	PASS
		VN	0	-4.09	-0.002144	± 2.5	PASS
		VN	10	0.82	0.000427	± 2.5	PASS
		VN	20	2.93	0.001537	± 2.5	PASS
		VN	30	2.35	0.001229	± 2.5	PASS
		VN	40	0.41	0.000217	± 2.5	PASS
		VN	50	-4.22	-0.002211	± 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	0.54	0.000293	± 2.5	PASS
		VN	TN	1.16	0.000625	± 2.5	PASS
		VH	TN	-1.13	-0.000610	± 2.5	PASS
	MCH	VL	TN	-1.92	-0.001020	± 2.5	PASS
		VN	TN	-2.16	-0.001149	± 2.5	PASS
		VH	TN	1.69	0.000898	± 2.5	PASS
	HCH	VL	TN	-2.26	-0.001185	± 2.5	PASS
		VN	TN	-0.66	-0.000345	± 2.5	PASS
		VH	TN	3.20	0.001680	± 2.5	PASS
16QAM	LCH	VL	TN	-0.24	-0.000131	± 2.5	PASS
		VN	TN	-4.52	-0.002440	± 2.5	PASS
		VH	TN	-3.20	-0.001730	± 2.5	PASS
	MCH	VL	TN	-0.40	-0.000213	± 2.5	PASS
		VN	TN	0.24	0.000129	± 2.5	PASS
		VH	TN	0.59	0.000312	± 2.5	PASS
	HCH	VL	TN	-3.32	-0.001740	± 2.5	PASS
		VN	TN	2.15	0.001125	± 2.5	PASS
		VH	TN	0.94	0.000495	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

QPSK	LCH	VN	-30	-0.31	-0.000170	± 2.5	PASS
		VN	-20	-0.82	-0.000440	± 2.5	PASS
		VN	-10	-1.83	-0.000988	± 2.5	PASS
		VN	0	-0.90	-0.000486	± 2.5	PASS
		VN	10	-0.23	-0.000124	± 2.5	PASS
		VN	20	-3.36	-0.001815	± 2.5	PASS
		VN	30	-1.90	-0.001027	± 2.5	PASS
		VN	40	0.03	0.000015	± 2.5	PASS
		VN	50	-1.82	-0.000981	± 2.5	PASS
	MCH	VN	-30	2.98	0.001583	± 2.5	PASS
		VN	-20	1.63	0.000867	± 2.5	PASS
		VN	-10	-0.83	-0.000441	± 2.5	PASS
		VN	0	-1.83	-0.000974	± 2.5	PASS
		VN	10	1.66	0.000883	± 2.5	PASS
		VN	20	-1.42	-0.000753	± 2.5	PASS
		VN	30	0.49	0.000259	± 2.5	PASS
		VN	40	-2.92	-0.001552	± 2.5	PASS
		VN	50	-0.24	-0.000129	± 2.5	PASS
	HCH	VN	-30	-2.78	-0.001455	± 2.5	PASS
		VN	-20	-2.62	-0.001372	± 2.5	PASS
		VN	-10	-1.89	-0.000990	± 2.5	PASS
		VN	0	3.13	0.001642	± 2.5	PASS
		VN	10	-2.65	-0.001387	± 2.5	PASS
		VN	20	-1.32	-0.000690	± 2.5	PASS
		VN	30	-1.26	-0.000660	± 2.5	PASS
		VN	40	-1.72	-0.000900	± 2.5	PASS
		VN	50	-0.97	-0.000510	± 2.5	PASS
16QAM	LCH	VN	-30	-0.24	-0.000131	± 2.5	PASS
		VN	-20	-3.23	-0.001745	± 2.5	PASS
		VN	-10	0.19	0.000100	± 2.5	PASS
		VN	0	1.04	0.000564	± 2.5	PASS
		VN	10	0.13	0.000069	± 2.5	PASS
		VN	20	0.63	0.000340	± 2.5	PASS
		VN	30	-1.53	-0.000826	± 2.5	PASS
		VN	40	-0.72	-0.000386	± 2.5	PASS
		VN	50	0.31	0.000170	± 2.5	PASS
	MCH	VN	-30	1.09	0.000578	± 2.5	PASS
		VN	-20	0.54	0.000289	± 2.5	PASS
		VN	-10	0.14	0.000076	± 2.5	PASS
		VN	0	-0.10	-0.000053	± 2.5	PASS
		VN	10	0.36	0.000190	± 2.5	PASS
		VN	20	-1.99	-0.001058	± 2.5	PASS
		VN	30	-1.32	-0.000700	± 2.5	PASS
		VN	40	0.72	0.000380	± 2.5	PASS
		VN	50	0.39	0.000205	± 2.5	PASS
	HCH	VN	-30	1.10	0.000577	± 2.5	PASS
		VN	-20	-0.76	-0.000397	± 2.5	PASS
		VN	-10	2.25	0.001177	± 2.5	PASS
		VN	0	-0.63	-0.000330	± 2.5	PASS
		VN	10	-0.31	-0.000165	± 2.5	PASS

		VN	20	2.62	0.001372	± 2.5	PASS
		VN	30	4.53	0.002377	± 2.5	PASS
		VN	40	-2.66	-0.001395	± 2.5	PASS
		VN	50	-1.09	-0.000570	± 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	0.30	0.000162	± 2.5	PASS
		VN	TN	-0.70	-0.000378	± 2.5	PASS
		VH	TN	0.26	0.000139	± 2.5	PASS
	MCH	VL	TN	-0.76	-0.000403	± 2.5	PASS
		VN	TN	-0.23	-0.000122	± 2.5	PASS
		VH	TN	0.40	0.000213	± 2.5	PASS
	HCH	VL	TN	-1.62	-0.000849	± 2.5	PASS
		VN	TN	-0.66	-0.000345	± 2.5	PASS
		VH	TN	-1.49	-0.000781	± 2.5	PASS
16QAM	LCH	VL	TN	-0.94	-0.000509	± 2.5	PASS
		VN	TN	0.94	0.000509	± 2.5	PASS
		VH	TN	0.19	0.000100	± 2.5	PASS
	MCH	VL	TN	-1.19	-0.000632	± 2.5	PASS
		VN	TN	-0.39	-0.000205	± 2.5	PASS
		VH	TN	1.17	0.000624	± 2.5	PASS
	HCH	VL	TN	0.74	0.000390	± 2.5	PASS
		VN	TN	-0.83	-0.000436	± 2.5	PASS
		VH	TN	-1.06	-0.000556	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.40	0.000216	± 2.5	PASS
		VN	-20	-0.19	-0.000100	± 2.5	PASS
		VN	-10	-0.01	-0.000008	± 2.5	PASS
		VN	0	-1.24	-0.000671	± 2.5	PASS
		VN	10	-0.01	-0.000008	± 2.5	PASS
		VN	20	-0.80	-0.000432	± 2.5	PASS
		VN	30	-0.77	-0.000416	± 2.5	PASS
		VN	40	0.29	0.000154	± 2.5	PASS
		VN	50	0.49	0.000262	± 2.5	PASS
	MCH	VN	-30	-0.17	-0.000091	± 2.5	PASS
		VN	-20	-1.43	-0.000761	± 2.5	PASS
		VN	-10	-0.44	-0.000236	± 2.5	PASS
		VN	0	-0.17	-0.000091	± 2.5	PASS
		VN	10	-0.26	-0.000137	± 2.5	PASS
		VN	20	-0.49	-0.000259	± 2.5	PASS
		VN	30	-0.27	-0.000145	± 2.5	PASS
VN	40	-0.40	-0.000213	± 2.5	PASS		

	HCH	VN	50	-0.86	-0.000457	± 2.5	PASS
		VN	-30	0.07	0.000038	± 2.5	PASS
		VN	-20	-0.90	-0.000473	± 2.5	PASS
		VN	-10	-0.92	-0.000481	± 2.5	PASS
		VN	0	-0.23	-0.000120	± 2.5	PASS
		VN	10	0.96	0.000503	± 2.5	PASS
		VN	20	-0.06	-0.000030	± 2.5	PASS
		VN	30	0.69	0.000360	± 2.5	PASS
		VN	40	0.30	0.000158	± 2.5	PASS
		VN	50	-0.33	-0.000173	± 2.5	PASS
16QAM	LCH	VN	-30	-1.27	-0.000686	± 2.5	PASS
		VN	-20	-1.34	-0.000725	± 2.5	PASS
		VN	-10	-0.01	-0.000008	± 2.5	PASS
		VN	0	-0.70	-0.000378	± 2.5	PASS
		VN	10	-0.10	-0.000054	± 2.5	PASS
		VN	20	-0.41	-0.000224	± 2.5	PASS
		VN	30	-0.29	-0.000154	± 2.5	PASS
		VN	40	-1.34	-0.000725	± 2.5	PASS
		VN	50	-0.16	-0.000085	± 2.5	PASS
	MCH	VN	-30	0.04	0.000023	± 2.5	PASS
		VN	-20	-0.17	-0.000091	± 2.5	PASS
		VN	-10	-0.76	-0.000403	± 2.5	PASS
		VN	0	-0.46	-0.000243	± 2.5	PASS
		VN	10	-1.70	-0.000905	± 2.5	PASS
		VN	20	-0.97	-0.000517	± 2.5	PASS
		VN	30	-0.80	-0.000426	± 2.5	PASS
		VN	40	-0.66	-0.000350	± 2.5	PASS
		VN	50	0.24	0.000129	± 2.5	PASS
	HCH	VN	-30	0.96	0.000503	± 2.5	PASS
		VN	-20	-0.53	-0.000278	± 2.5	PASS
		VN	-10	-0.76	-0.000398	± 2.5	PASS
		VN	0	-0.13	-0.000068	± 2.5	PASS
		VN	10	-1.19	-0.000623	± 2.5	PASS
		VN	20	0.79	0.000413	± 2.5	PASS
		VN	30	0.27	0.000143	± 2.5	PASS
		VN	40	-1.23	-0.000646	± 2.5	PASS
		VN	50	0.39	0.000203	± 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	2.23	0.001201	± 2.5	PASS
		VN	TN	2.16	0.001163	± 2.5	PASS
		VH	TN	3.76	0.002025	± 2.5	PASS
	MCH	VL	TN	-0.82	-0.000434	± 2.5	PASS
		VN	TN	-1.00	-0.000533	± 2.5	PASS

		VH	TN	0.64	0.000342	± 2.5	PASS
	HCH	VL	TN	0.67	0.000353	± 2.5	PASS
		VN	TN	0.84	0.000444	± 2.5	PASS
		VH	TN	0.54	0.000286	± 2.5	PASS
16QAM	LCH	VL	TN	3.82	0.002056	± 2.5	PASS
		VN	TN	1.75	0.000940	± 2.5	PASS
		VH	TN	1.95	0.001047	± 2.5	PASS
	MCH	VL	TN	-0.46	-0.000243	± 2.5	PASS
		VN	TN	0.36	0.000190	± 2.5	PASS
		VH	TN	-0.37	-0.000198	± 2.5	PASS
	HCH	VL	TN	-2.06	-0.001083	± 2.5	PASS
		VN	TN	-0.03	-0.000015	± 2.5	PASS
		VH	TN	-0.20	-0.000105	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.12	0.001140	± 2.5	PASS
		VN	-20	4.05	0.002179	± 2.5	PASS
		VN	-10	3.93	0.002118	± 2.5	PASS
		VN	0	1.70	0.000916	± 2.5	PASS
		VN	10	1.96	0.001055	± 2.5	PASS
		VN	20	2.32	0.001248	± 2.5	PASS
		VN	30	2.88	0.001548	± 2.5	PASS
		VN	40	2.93	0.001579	± 2.5	PASS
		VN	50	2.35	0.001263	± 2.5	PASS
	MCH	VN	-30	-0.17	-0.000091	± 2.5	PASS
		VN	-20	-0.34	-0.000183	± 2.5	PASS
		VN	-10	-0.82	-0.000434	± 2.5	PASS
		VN	0	-0.56	-0.000297	± 2.5	PASS
		VN	10	-0.49	-0.000259	± 2.5	PASS
		VN	20	-1.77	-0.000944	± 2.5	PASS
		VN	30	0.23	0.000122	± 2.5	PASS
		VN	40	-1.30	-0.000692	± 2.5	PASS
		VN	50	-0.94	-0.000502	± 2.5	PASS
	HCH	VN	-30	-2.46	-0.001293	± 2.5	PASS
		VN	-20	-0.33	-0.000173	± 2.5	PASS
		VN	-10	0.23	0.000120	± 2.5	PASS
		VN	0	-1.27	-0.000669	± 2.5	PASS
		VN	10	-0.43	-0.000226	± 2.5	PASS
		VN	20	-0.04	-0.000023	± 2.5	PASS
		VN	30	0.39	0.000203	± 2.5	PASS
		VN	40	0.24	0.000128	± 2.5	PASS
		VN	50	-0.30	-0.000158	± 2.5	PASS
16QAM	LCH	VN	-30	2.30	0.001240	± 2.5	PASS
		VN	-20	2.23	0.001201	± 2.5	PASS
		VN	-10	3.93	0.002118	± 2.5	PASS
		VN	0	1.30	0.000701	± 2.5	PASS
		VN	10	2.40	0.001294	± 2.5	PASS
		VN	20	3.15	0.001694	± 2.5	PASS
		VN	30	3.99	0.002149	± 2.5	PASS

		VN	40	2.33	0.001255	± 2.5	PASS
		VN	50	3.26	0.001756	± 2.5	PASS
	MCH	VN	-30	1.36	0.000723	± 2.5	PASS
		VN	-20	-1.50	-0.000799	± 2.5	PASS
		VN	-10	-0.60	-0.000320	± 2.5	PASS
		VN	0	-1.13	-0.000601	± 2.5	PASS
		VN	10	0.73	0.000388	± 2.5	PASS
		VN	20	1.44	0.000769	± 2.5	PASS
		VN	30	-0.92	-0.000487	± 2.5	PASS
		VN	40	-0.43	-0.000228	± 2.5	PASS
		VN	50	1.02	0.000540	± 2.5	PASS
	HCH	VN	-30	0.16	0.000083	± 2.5	PASS
		VN	-20	-1.06	-0.000556	± 2.5	PASS
		VN	-10	-1.50	-0.000790	± 2.5	PASS
		VN	0	0.33	0.000173	± 2.5	PASS
		VN	10	-0.73	-0.000383	± 2.5	PASS
		VN	20	-0.74	-0.000391	± 2.5	PASS
		VN	30	-0.89	-0.000466	± 2.5	PASS
		VN	40	-1.53	-0.000805	± 2.5	PASS
		VN	50	-0.21	-0.000113	± 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	0.70	0.000377	± 2.5	PASS
		VN	TN	-0.44	-0.000238	± 2.5	PASS
		VH	TN	-0.64	-0.000346	± 2.5	PASS
	MCH	VL	TN	-0.64	-0.000342	± 2.5	PASS
		VN	TN	-0.03	-0.000015	± 2.5	PASS
		VH	TN	-0.59	-0.000312	± 2.5	PASS
	HCH	VL	TN	-1.10	-0.000580	± 2.5	PASS
		VN	TN	-2.43	-0.001280	± 2.5	PASS
		VH	TN	-1.04	-0.000550	± 2.5	PASS
16QAM	LCH	VL	TN	-0.16	-0.000085	± 2.5	PASS
		VN	TN	-0.90	-0.000485	± 2.5	PASS
		VH	TN	0.33	0.000177	± 2.5	PASS
	MCH	VL	TN	0.23	0.000122	± 2.5	PASS
		VN	TN	-1.27	-0.000677	± 2.5	PASS
		VH	TN	0.14	0.000076	± 2.5	PASS
	HCH	VL	TN	-1.56	-0.000821	± 2.5	PASS
		VN	TN	-1.54	-0.000813	± 2.5	PASS
		VH	TN	0.43	0.000226	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.06	0.000031	± 2.5	PASS

		VN	-20	0.56	0.000300	± 2.5	PASS
		VN	-10	-1.17	-0.000631	± 2.5	PASS
		VN	0	-0.80	-0.000431	± 2.5	PASS
		VN	10	-1.32	-0.000708	± 2.5	PASS
		VN	20	-0.19	-0.000100	± 2.5	PASS
		VN	30	-0.72	-0.000385	± 2.5	PASS
		VN	40	-1.72	-0.000923	± 2.5	PASS
		VN	50	-1.93	-0.001038	± 2.5	PASS
	MCH	VN	-30	-0.31	-0.000167	± 2.5	PASS
		VN	-20	-0.83	-0.000441	± 2.5	PASS
		VN	-10	-1.24	-0.000662	± 2.5	PASS
		VN	0	-0.57	-0.000304	± 2.5	PASS
		VN	10	-1.36	-0.000723	± 2.5	PASS
		VN	20	-0.10	-0.000053	± 2.5	PASS
		VN	30	-1.39	-0.000738	± 2.5	PASS
		VN	40	0.41	0.000221	± 2.5	PASS
		VN	50	-0.09	-0.000046	± 2.5	PASS
	HCH	VN	-30	-0.37	-0.000196	± 2.5	PASS
		VN	-20	-0.63	-0.000331	± 2.5	PASS
		VN	-10	-0.62	-0.000324	± 2.5	PASS
		VN	0	-1.34	-0.000708	± 2.5	PASS
		VN	10	-0.96	-0.000504	± 2.5	PASS
		VN	20	-0.46	-0.000241	± 2.5	PASS
		VN	30	-1.44	-0.000760	± 2.5	PASS
		VN	40	0.00	0.000000	± 2.5	PASS
		VN	50	-0.27	-0.000143	± 2.5	PASS
16QAM	LCH	VN	-30	-0.49	-0.000261	± 2.5	PASS
		VN	-20	0.44	0.000238	± 2.5	PASS
		VN	-10	-0.66	-0.000354	± 2.5	PASS
		VN	0	0.62	0.000331	± 2.5	PASS
		VN	10	-1.20	-0.000646	± 2.5	PASS
		VN	20	-0.62	-0.000331	± 2.5	PASS
		VN	30	0.11	0.000062	± 2.5	PASS
		VN	40	-0.90	-0.000485	± 2.5	PASS
		VN	50	-0.14	-0.000077	± 2.5	PASS
	MCH	VN	-30	-1.37	-0.000730	± 2.5	PASS
		VN	-20	0.54	0.000289	± 2.5	PASS
		VN	-10	-0.62	-0.000327	± 2.5	PASS
		VN	0	-0.03	-0.000015	± 2.5	PASS
		VN	10	0.14	0.000076	± 2.5	PASS
		VN	20	-0.80	-0.000426	± 2.5	PASS
		VN	30	0.69	0.000365	± 2.5	PASS
		VN	40	-0.43	-0.000228	± 2.5	PASS
		VN	50	-0.16	-0.000084	± 2.5	PASS
	HCH	VN	-30	-0.23	-0.000120	± 2.5	PASS
		VN	-20	-0.19	-0.000098	± 2.5	PASS
		VN	-10	-1.87	-0.000986	± 2.5	PASS
		VN	0	-0.93	-0.000489	± 2.5	PASS
		VN	10	0.83	0.000437	± 2.5	PASS
		VN	20	0.39	0.000203	± 2.5	PASS

		VN	30	-0.83	-0.000437	± 2.5	PASS
		VN	40	-0.84	-0.000444	± 2.5	PASS
		VN	50	-0.69	-0.000361	± 2.5	PASS