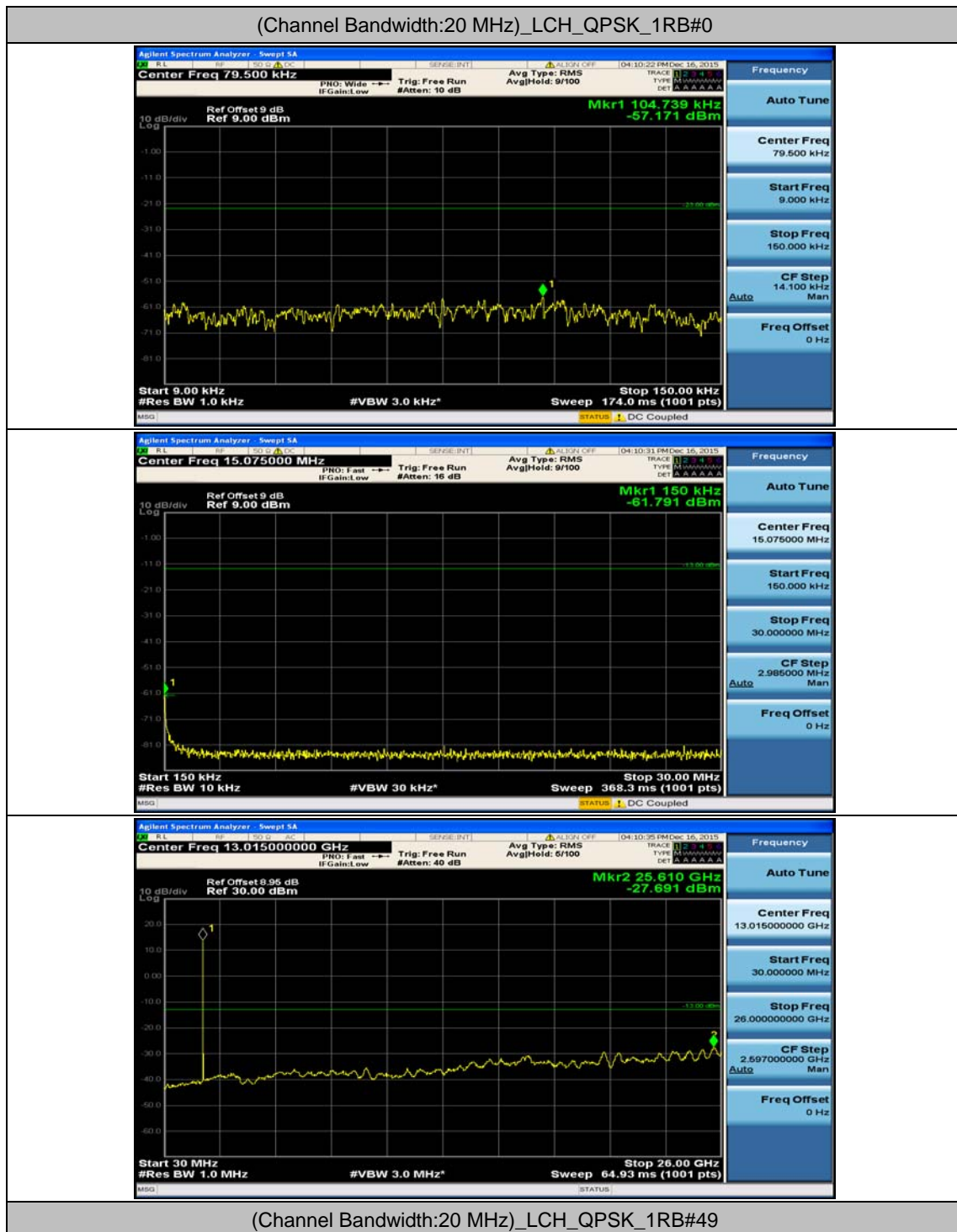
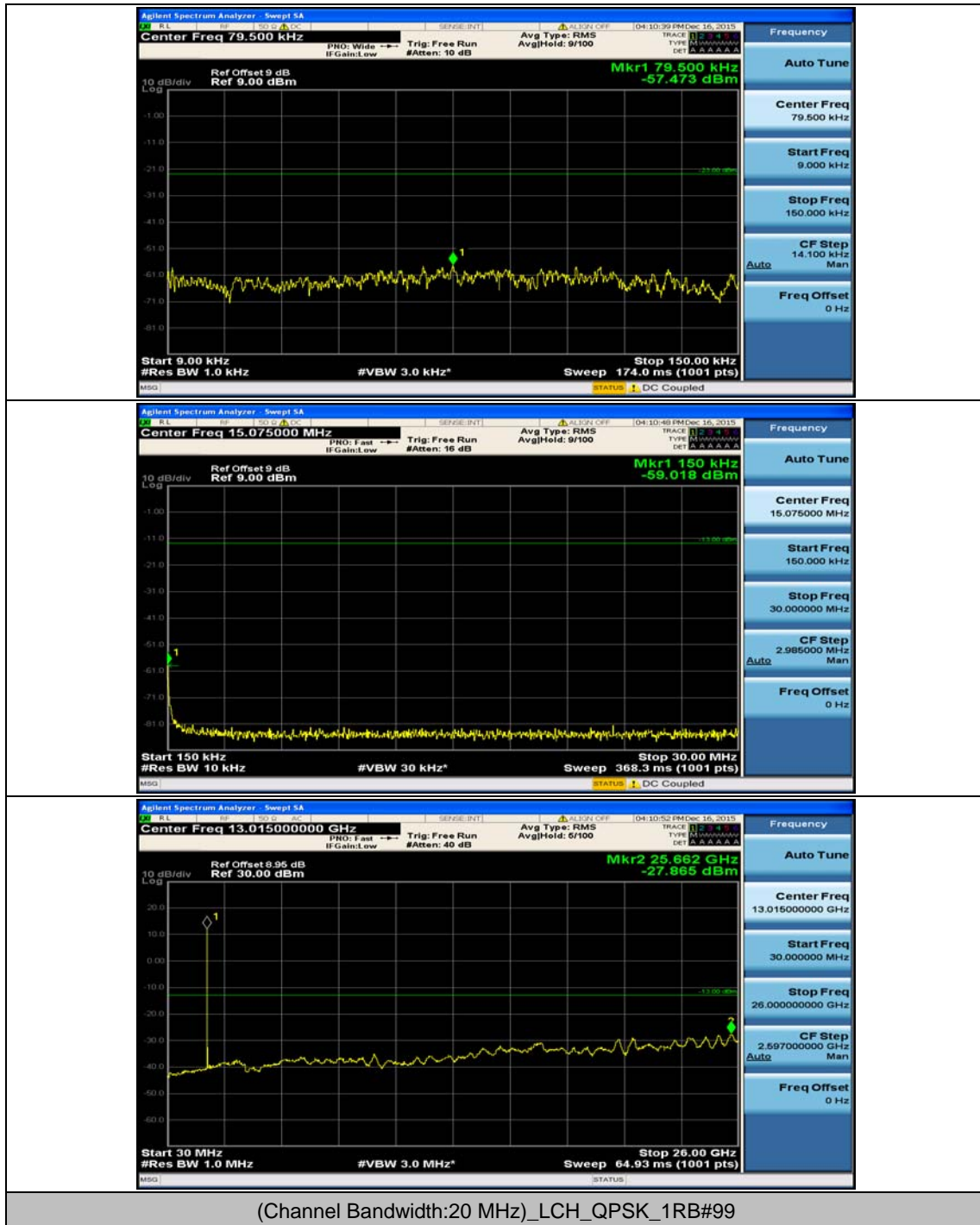
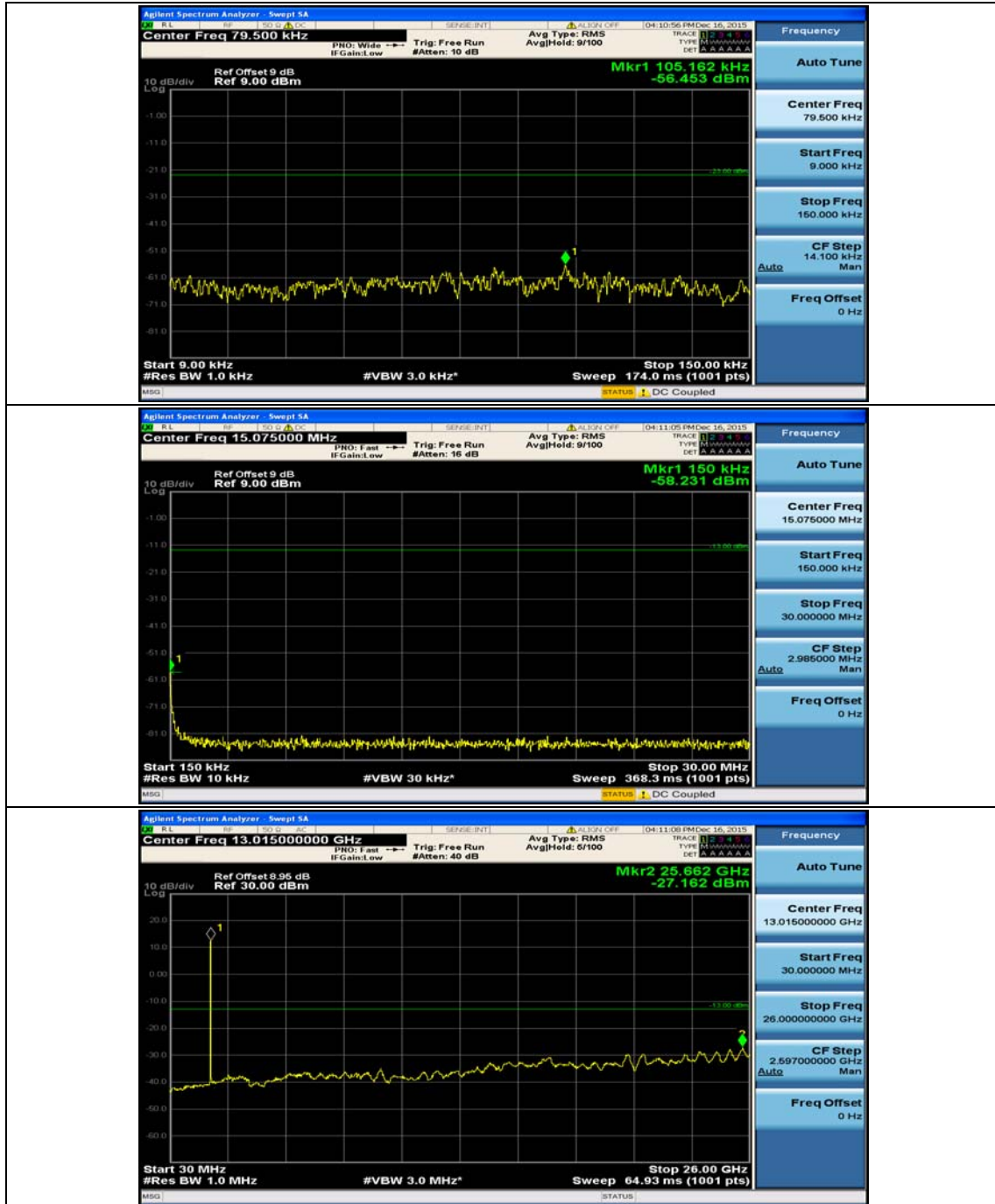


## Channel Bandwidth: 20 MHz

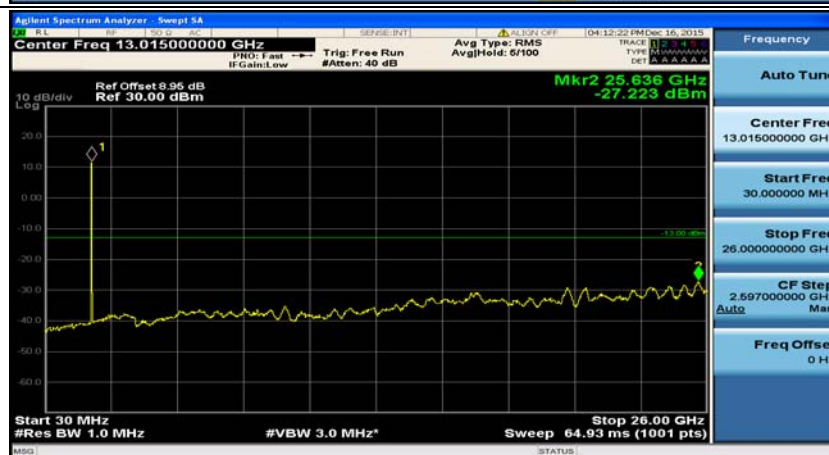
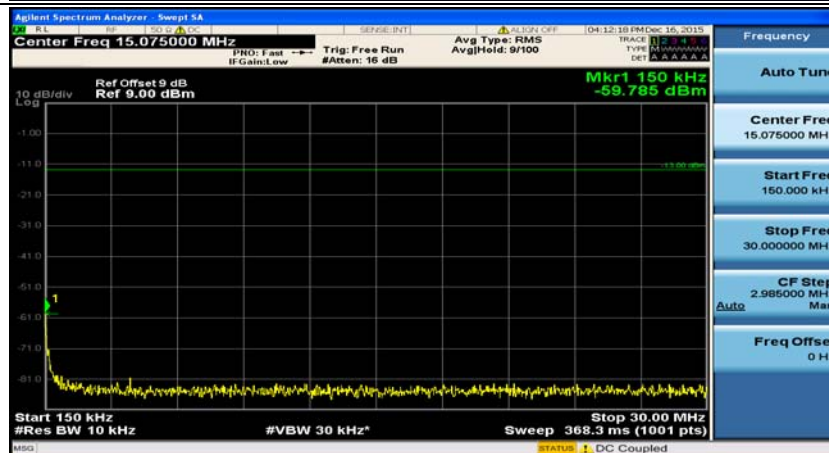
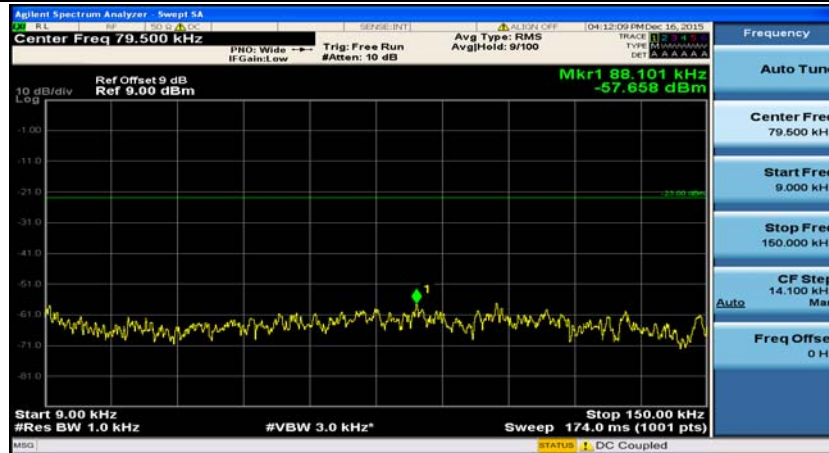




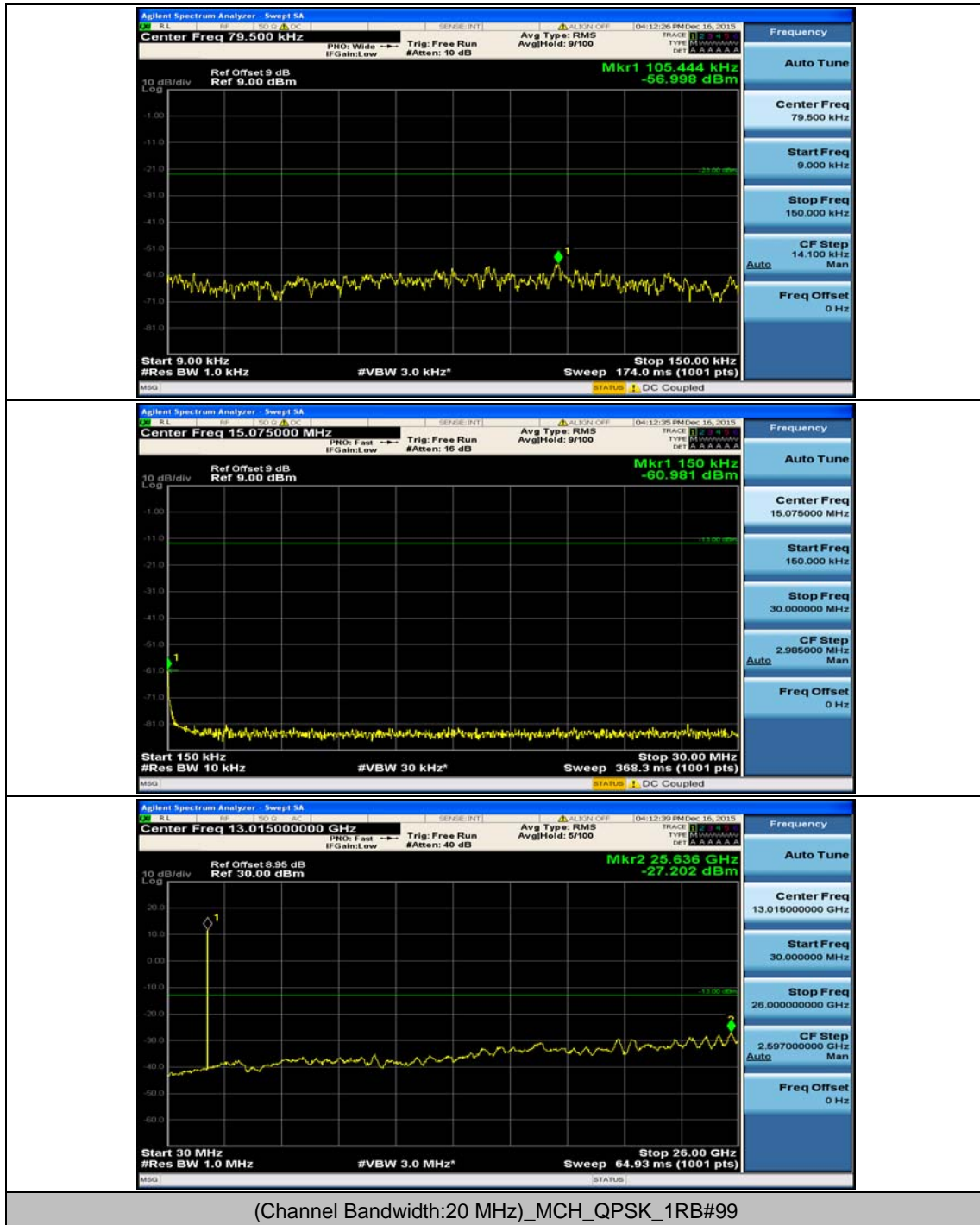


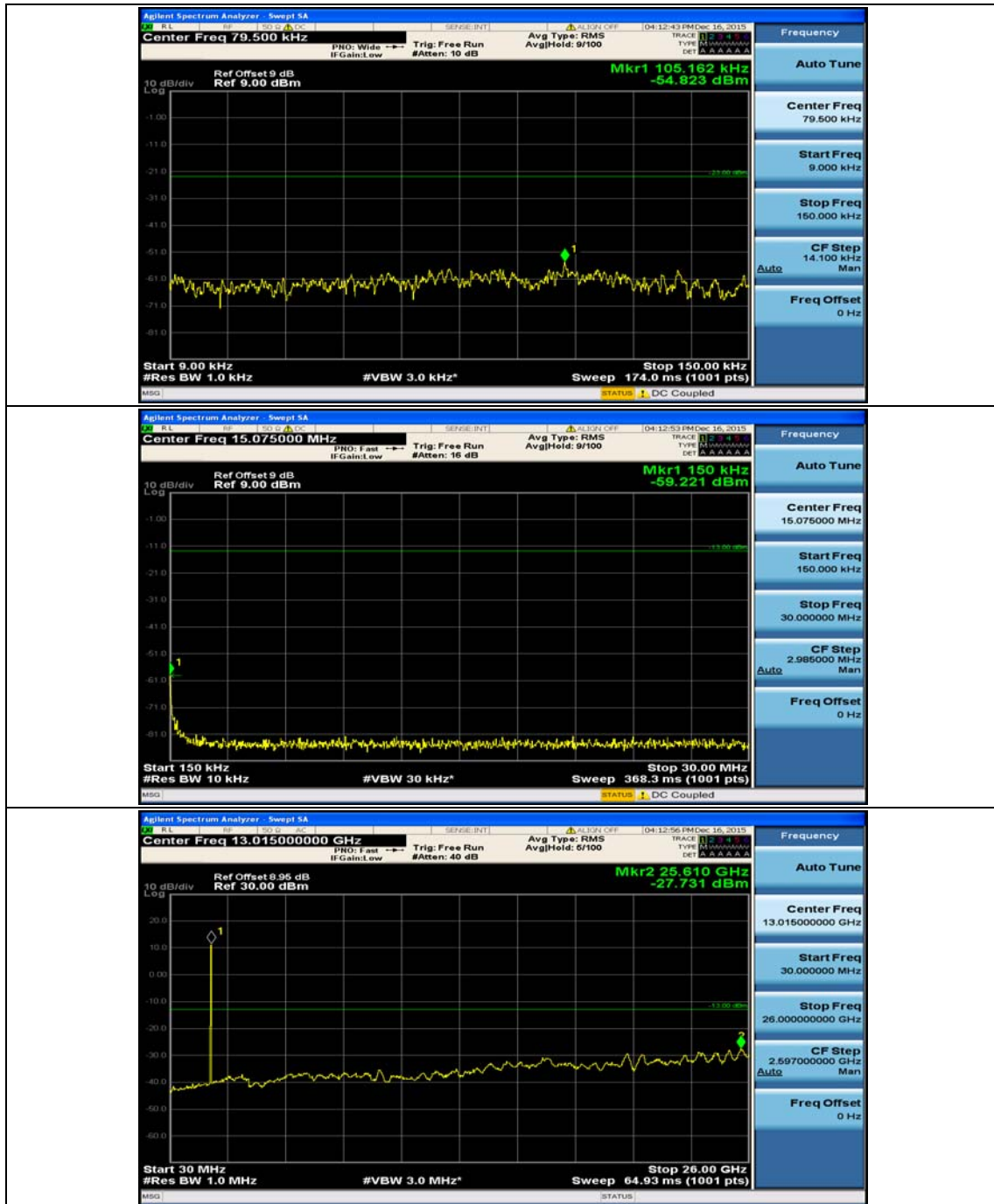


(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#0



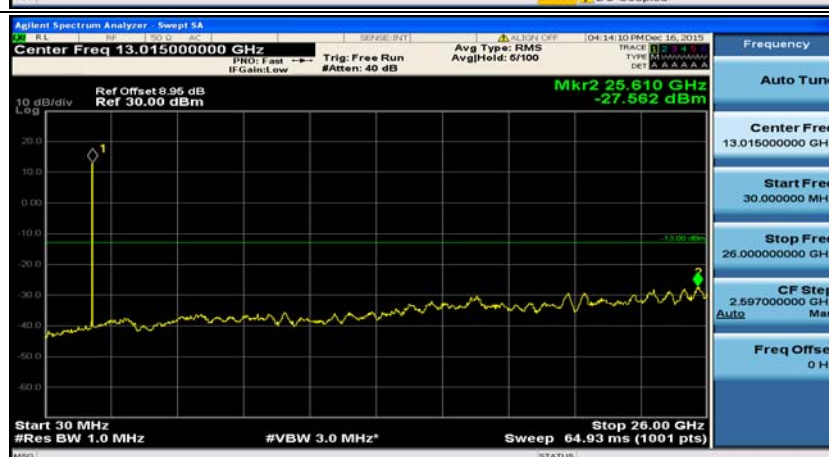
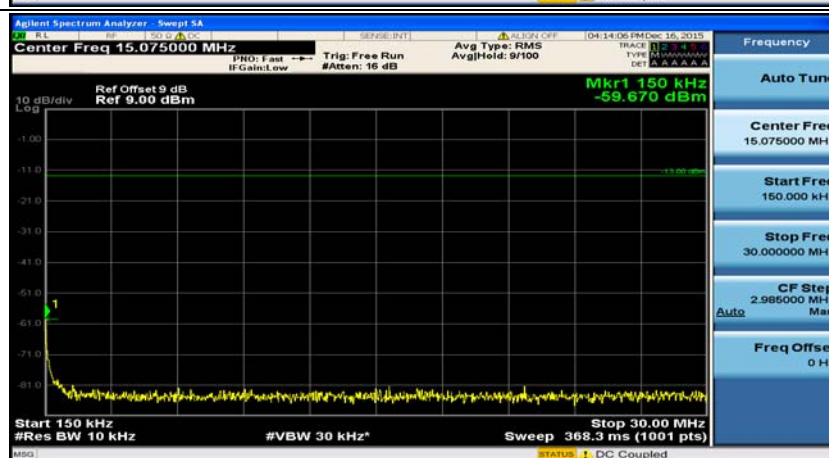
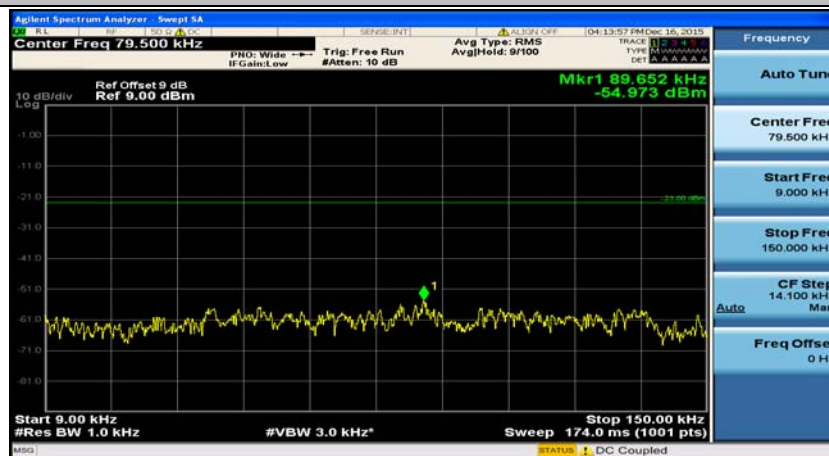
(Channel Bandwidth:20 MHz)\_MCH\_QPSK\_1RB#49



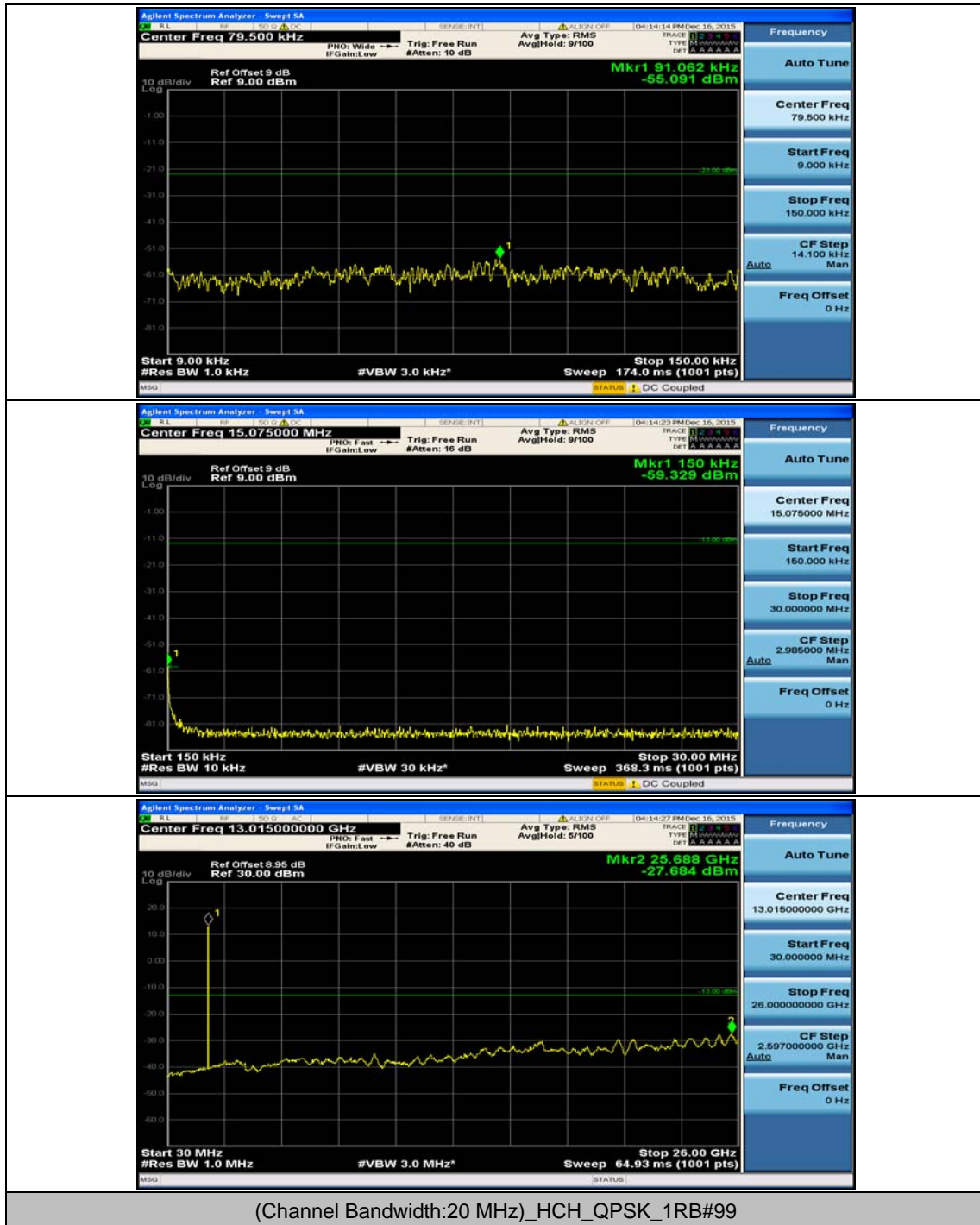


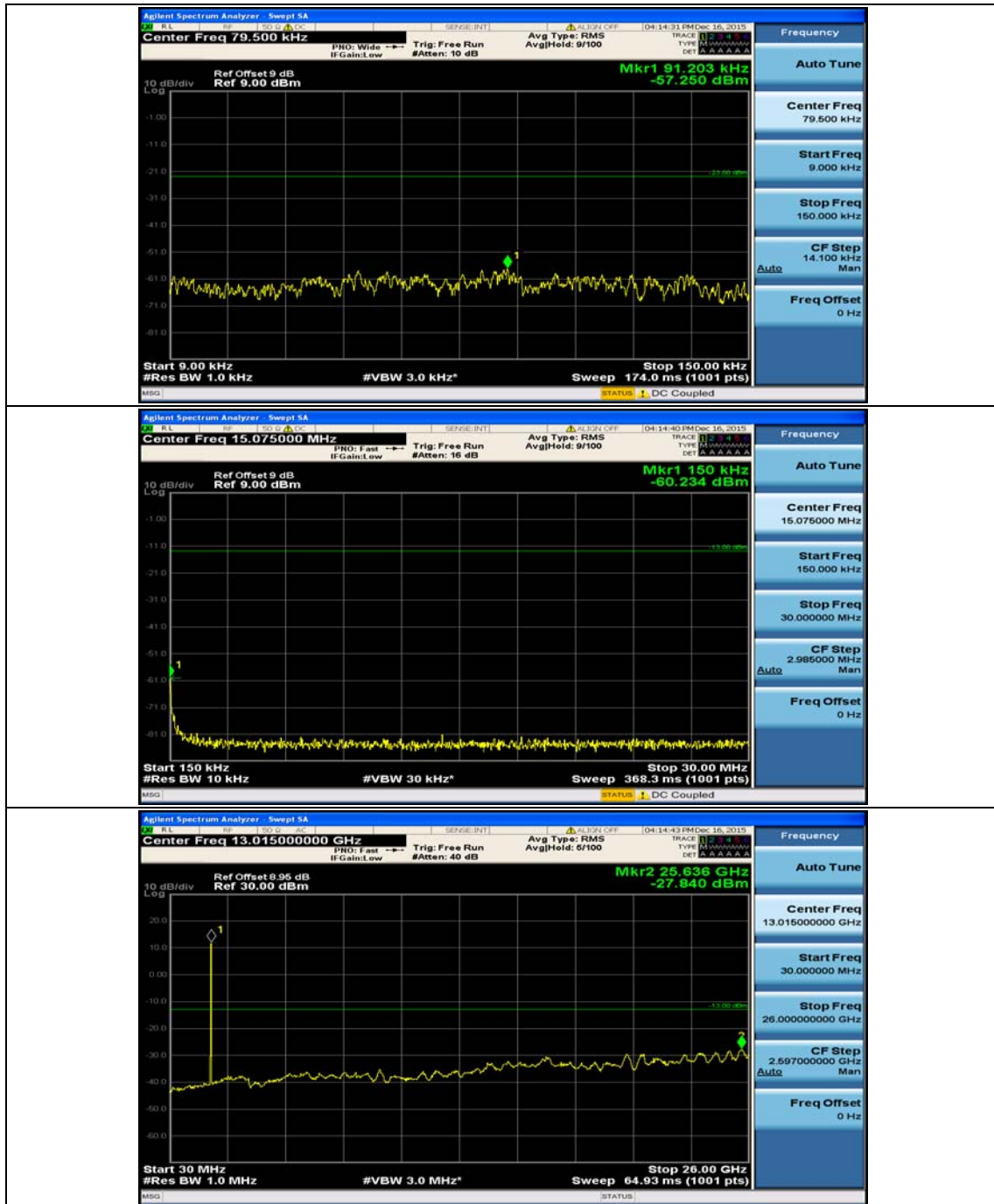


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#0

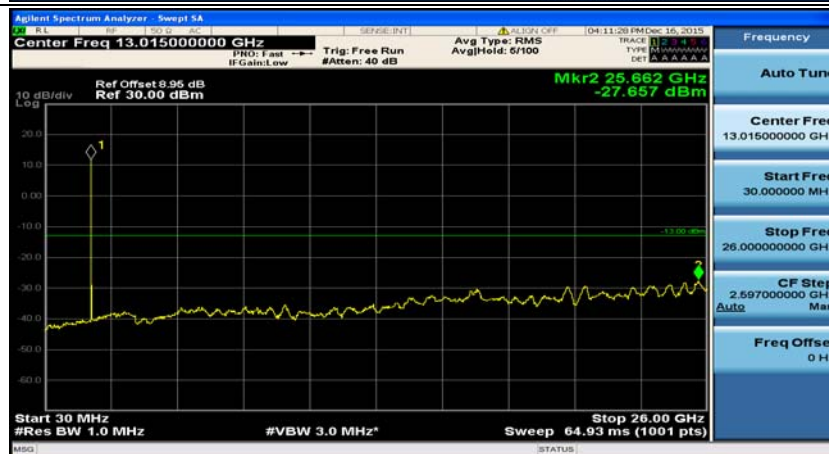
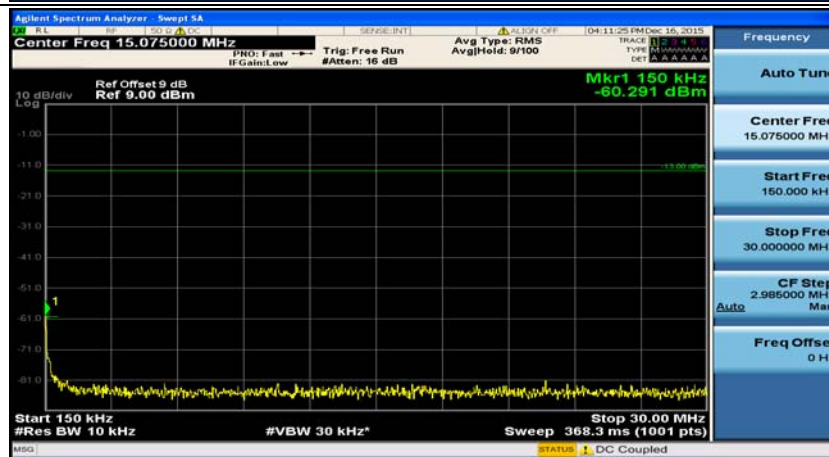


(Channel Bandwidth:20 MHz)\_HCH\_QPSK\_1RB#49

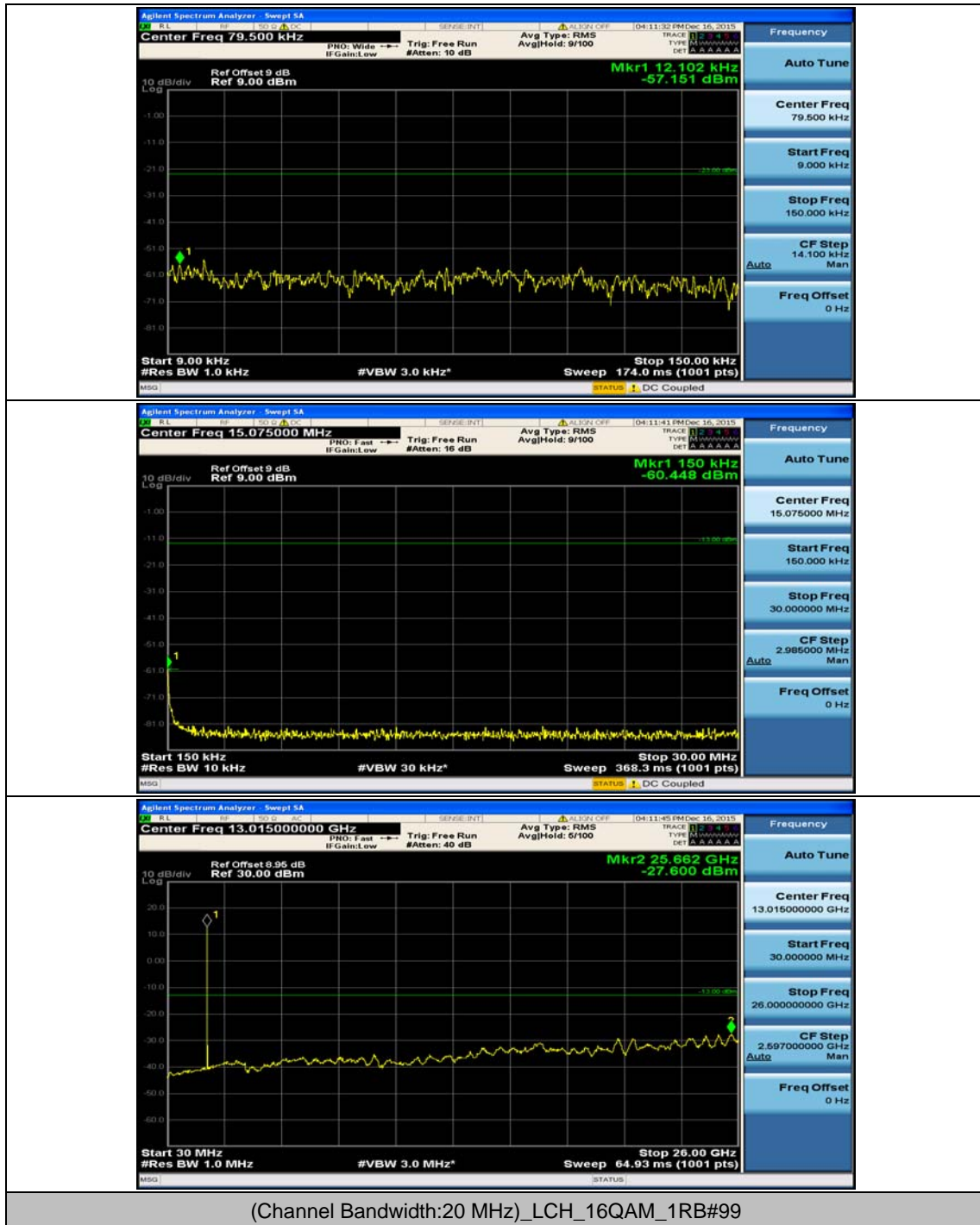




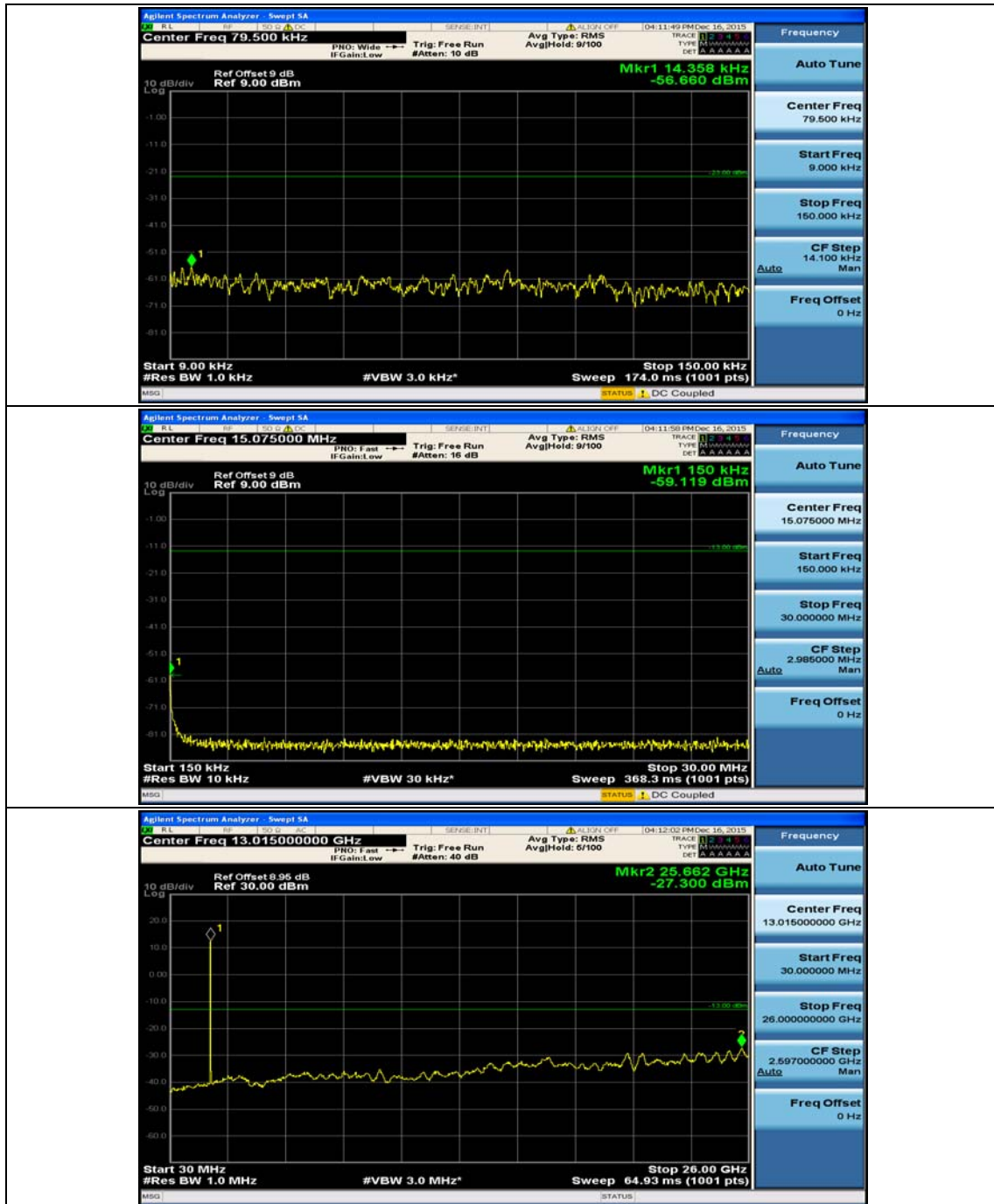
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#0



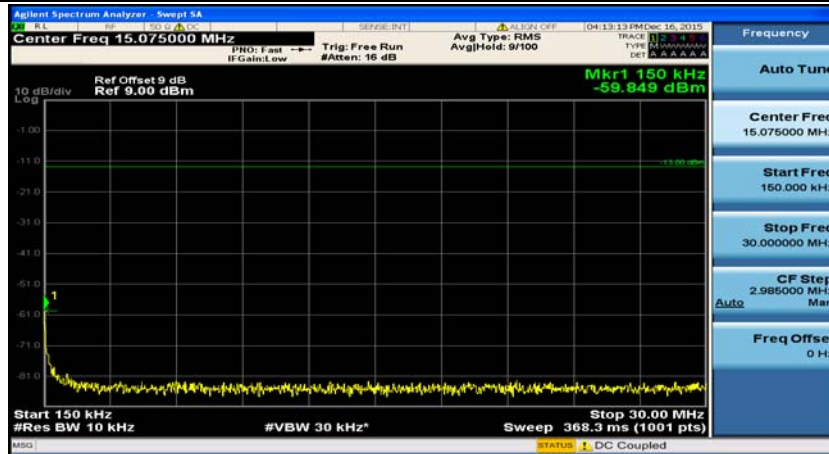
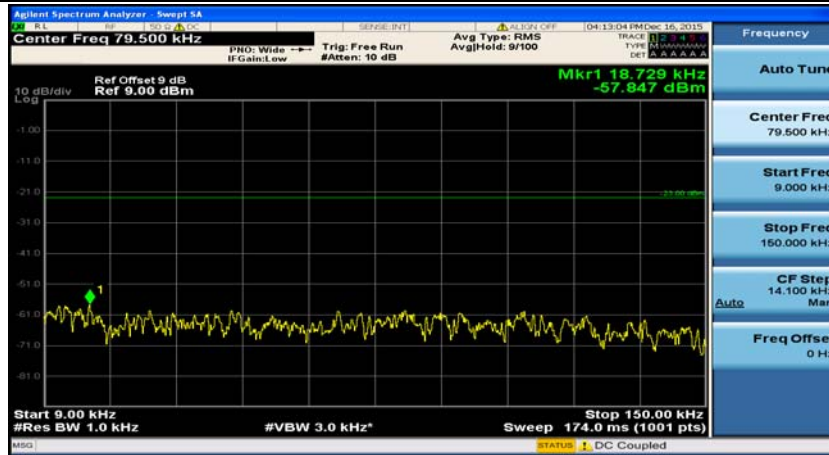
(Channel Bandwidth:20 MHz)\_LCH\_16QAM\_1RB#49



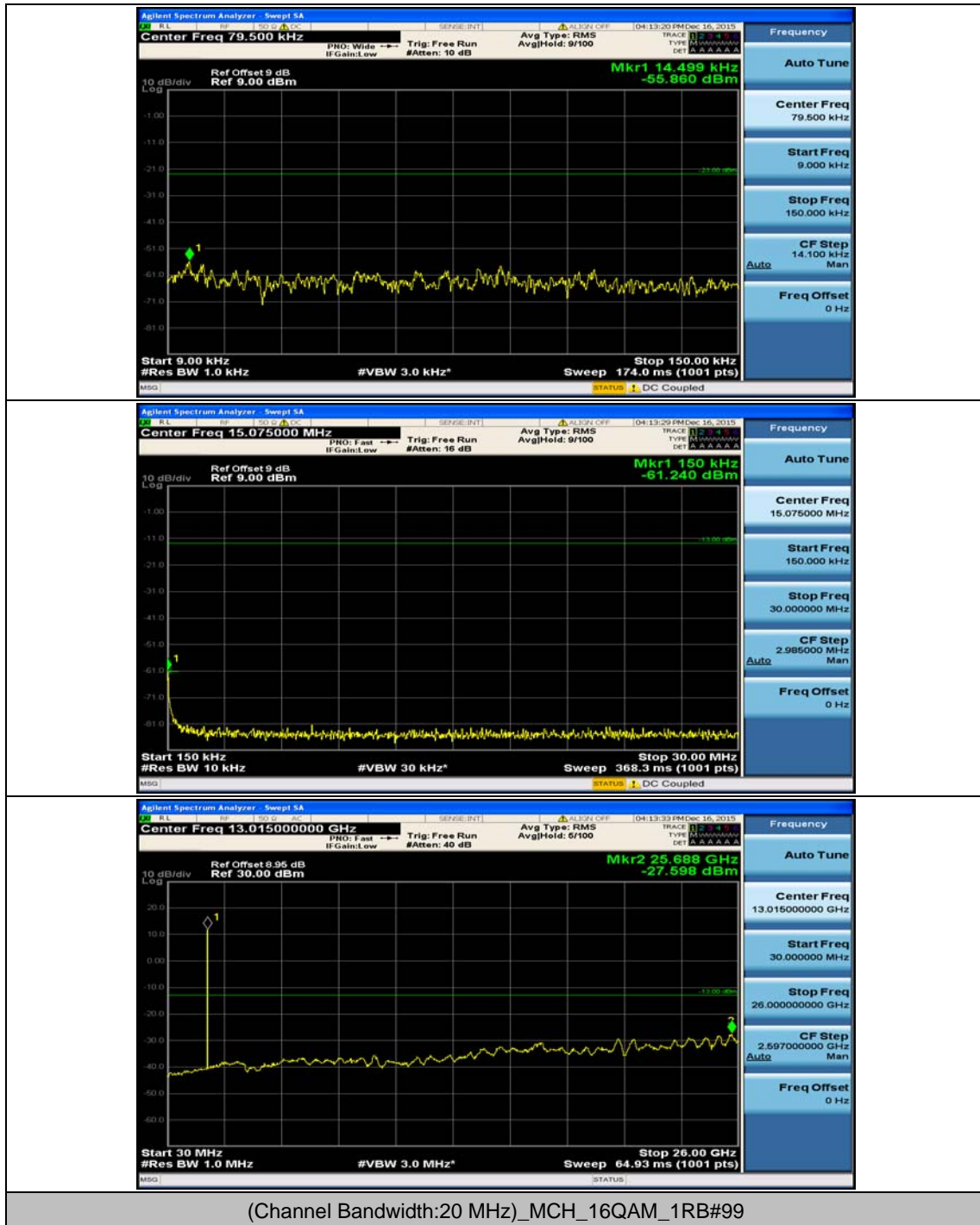


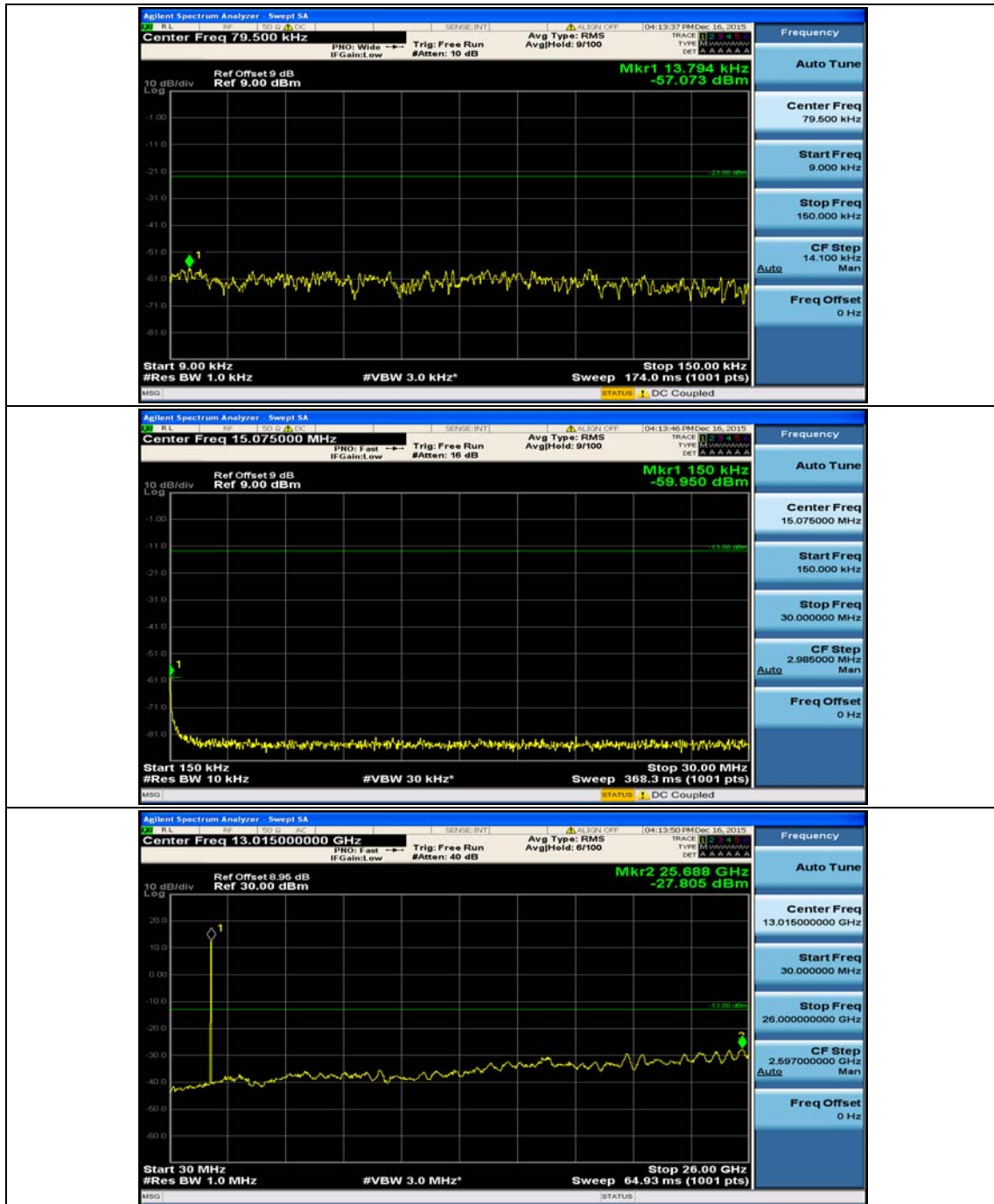


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#0

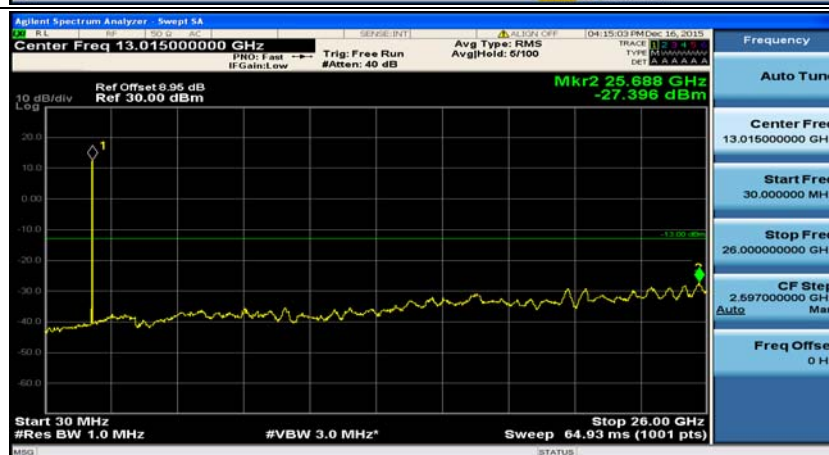


(Channel Bandwidth:20 MHz)\_MCH\_16QAM\_1RB#49



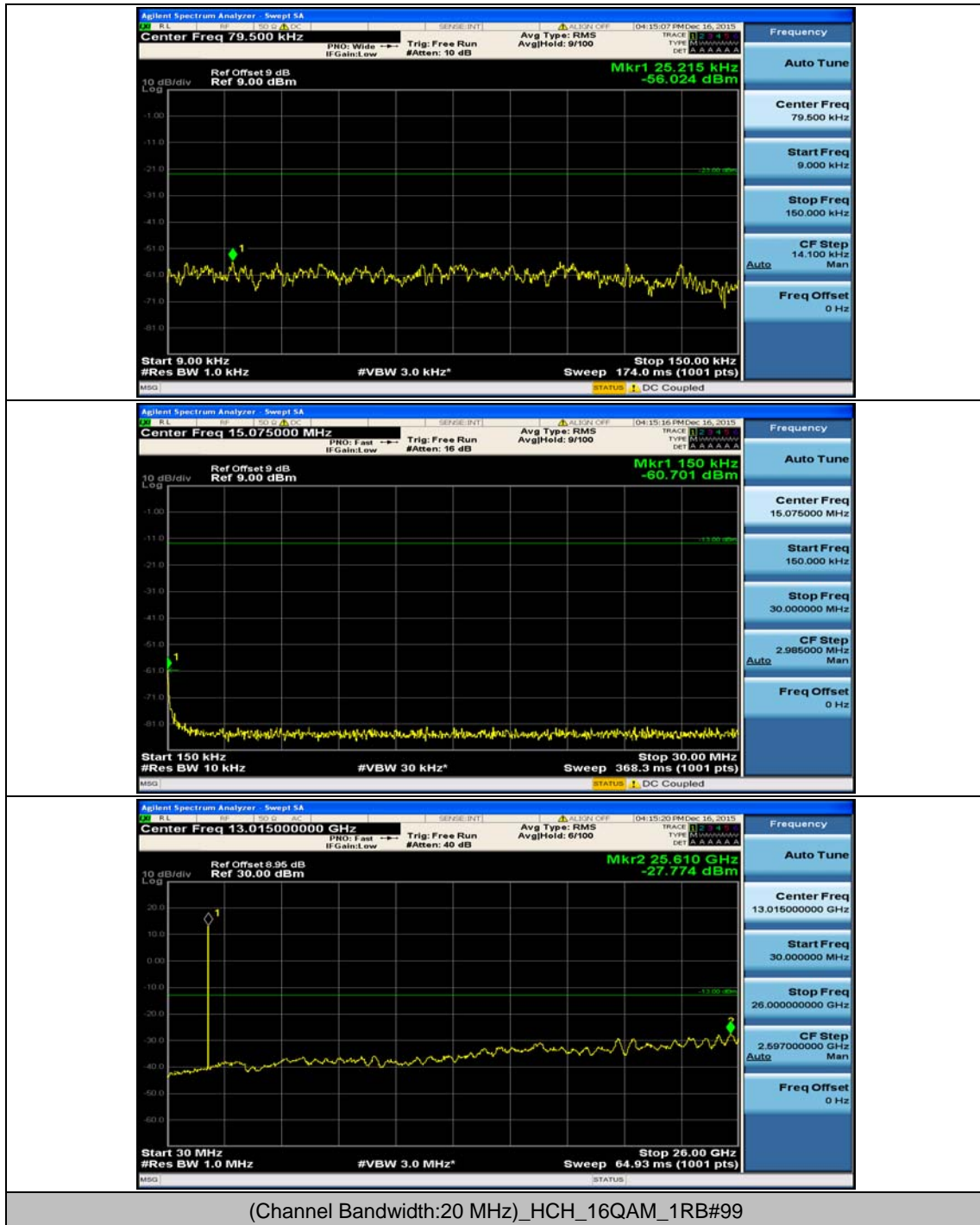


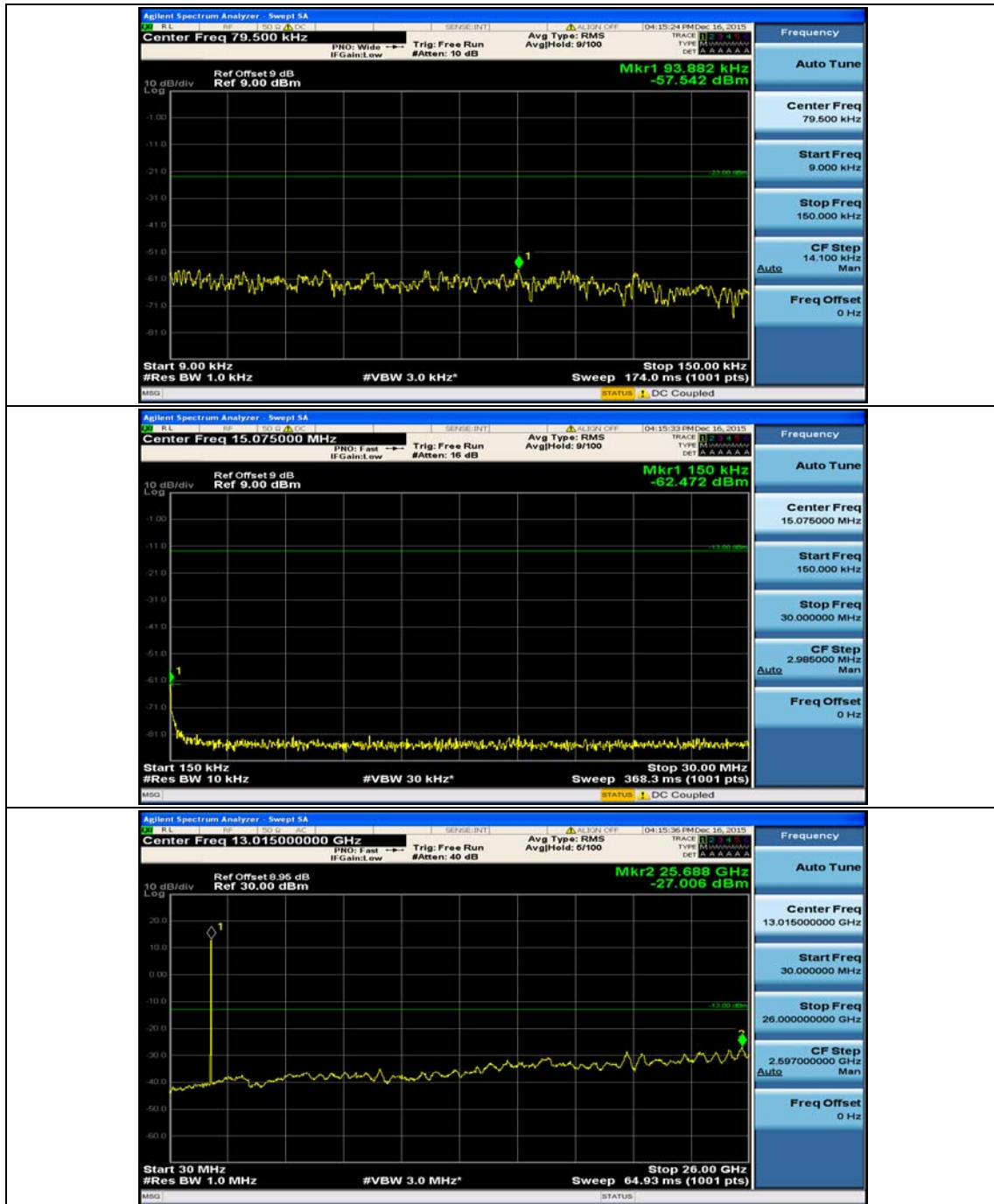
(Channel Bandwidth:20 MHz)\_HCH\_16QAM\_1RB#0



(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	0.14	0.000077	± 2.5	PASS
		VN	TN	0.14	0.000077	± 2.5	PASS
		VH	TN	0.14	0.000077	± 2.5	PASS
	MCH	VL	TN	0.14	0.000077	± 2.5	PASS
		VN	TN	0.36	0.000190	± 2.5	PASS
		VH	TN	0.36	0.000190	± 2.5	PASS
	HCH	VL	TN	0.36	0.000190	± 2.5	PASS
		VN	TN	-4.89	-0.002562	± 2.5	PASS
		VH	TN	-1.43	-0.000773	± 2.5	PASS
16QAM	LCH	VL	TN	-1.43	-0.000773	± 2.5	PASS
		VN	TN	-1.43	-0.000773	± 2.5	PASS
		VH	TN	-1.43	-0.000773	± 2.5	PASS
	MCH	VL	TN	-1.43	-0.000773	± 2.5	PASS
		VN	TN	-1.47	-0.000784	± 2.5	PASS
		VH	TN	-1.47	-0.000784	± 2.5	PASS
	HCH	VL	TN	-1.47	-0.000784	± 2.5	PASS
		VN	TN	-1.49	-0.000779	± 2.5	PASS
		VH	TN	-1.49	-0.000779	± 2.5	PASS
Temperature							
Modulation	Channel I	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.43	-0.000232	± 2.5	PASS
		VN	-20	-0.43	-0.000232	± 2.5	PASS
		VN	-10	-0.43	-0.000232	± 2.5	PASS
		VN	0	-0.43	-0.000232	± 2.5	PASS
		VN	10	-0.43	-0.000232	± 2.5	PASS
		VN	20	-0.43	-0.000232	± 2.5	PASS
		VN	30	-0.19	-0.000100	± 2.5	PASS
		VN	40	-1.02	-0.000549	± 2.5	PASS
		VN	50	-0.53	-0.000286	± 2.5	PASS
	MCH	VN	-30	-0.53	-0.000286	± 2.5	PASS
		VN	-20	-0.53	-0.000286	± 2.5	PASS
		VN	-10	-0.53	-0.000286	± 2.5	PASS
		VN	0	-1.09	-0.000578	± 2.5	PASS
		VN	10	-1.09	-0.000578	± 2.5	PASS
		VN	20	-1.09	-0.000578	± 2.5	PASS
VN		30	0.04	0.000023	± 2.5	PASS	

		VN	40	0.23	0.000122	± 2.5	PASS
		VN	50	-0.66	-0.000350	± 2.5	PASS
	HCH	VN	-30	-0.66	-0.000350	± 2.5	PASS
		VN	-20	-0.66	-0.000350	± 2.5	PASS
		VN	-10	-0.66	-0.000350	± 2.5	PASS
		VN	0	-0.66	-0.000350	± 2.5	PASS
		VN	10	1.17	0.000614	± 2.5	PASS
		VN	20	1.17	0.000614	± 2.5	PASS
		VN	30	-2.89	-0.001513	± 2.5	PASS
		VN	40	-4.11	-0.002150	± 2.5	PASS
		VN	50	2.25	0.001176	± 2.5	PASS
	16QAM	VN	-30	2.25	0.001176	± 2.5	PASS
		VN	-20	2.25	0.001176	± 2.5	PASS
		VN	-10	2.25	0.001176	± 2.5	PASS
		VN	0	2.02	0.001090	± 2.5	PASS
		VN	10	2.02	0.001090	± 2.5	PASS
		VN	20	2.02	0.001090	± 2.5	PASS
		VN	30	-2.12	-0.001144	± 2.5	PASS
		VN	40	-2.52	-0.001360	± 2.5	PASS
		VN	50	-0.37	-0.000201	± 2.5	PASS
		VN	-30	-0.37	-0.000201	± 2.5	PASS
		VN	-20	-0.37	-0.000201	± 2.5	PASS
		VN	-10	-0.97	-0.000517	± 2.5	PASS
		VN	0	-0.97	-0.000517	± 2.5	PASS
		VN	10	-0.97	-0.000517	± 2.5	PASS
		VN	20	-0.97	-0.000517	± 2.5	PASS
		VN	30	-0.16	-0.000084	± 2.5	PASS
		VN	40	-3.49	-0.001857	± 2.5	PASS
		VN	50	-0.79	-0.000419	± 2.5	PASS
		VN	-30	-0.79	-0.000419	± 2.5	PASS
		VN	-20	-0.79	-0.000419	± 2.5	PASS
		VN	-10	-0.79	-0.000419	± 2.5	PASS
		VN	0	-0.79	-0.000419	± 2.5	PASS
		VN	10	-0.79	-0.000419	± 2.5	PASS
		VN	20	-1.13	-0.000592	± 2.5	PASS
		VN	30	-2.25	-0.001176	± 2.5	PASS
		VN	40	-3.45	-0.001806	± 2.5	PASS
		VN	50	-3.59	-0.001881	± 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	0.62	0.000327	± 2.5	PASS
		VN	TN	-2.98	-0.001607	± 2.5	PASS
		VH	TN	-2.98	-0.001607	± 2.5	PASS
	MCH	VL	TN	-2.98	-0.001607	± 2.5	PASS

		VN	TN	0.62	0.000327	± 2.5	PASS
		VH	TN	-2.17	-0.001139	± 2.5	PASS
	HCH	VL	TN	-2.17	-0.001139	± 2.5	PASS
		VN	TN	-2.17	-0.001139	± 2.5	PASS
		VH	TN	-2.17	-0.001139	± 2.5	PASS
16QAM	LCH	VL	TN	-2.17	-0.001139	± 2.5	PASS
		VN	TN	-1.39	-0.000749	± 2.5	PASS
		VH	TN	-1.39	-0.000749	± 2.5	PASS
	MCH	VL	TN	-1.39	-0.000749	± 2.5	PASS
		VN	TN	-0.43	-0.000228	± 2.5	PASS
		VH	TN	-0.43	-0.000228	± 2.5	PASS
	HCH	VL	TN	-0.43	-0.000228	± 2.5	PASS
		VN	TN	1.34	0.000705	± 2.5	PASS
		VH	TN	1.34	0.000705	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-3.16	-0.001707	± 2.5	PASS
		VN	-20	-3.16	-0.001707	± 2.5	PASS
		VN	-10	-3.16	-0.001707	± 2.5	PASS
		VN	0	-3.16	-0.001707	± 2.5	PASS
		VN	10	-3.16	-0.001707	± 2.5	PASS
		VN	20	-3.16	-0.001707	± 2.5	PASS
		VN	30	0.37	0.000201	± 2.5	PASS
		VN	40	-0.53	-0.000286	± 2.5	PASS
		VN	50	0.86	0.000464	± 2.5	PASS
	MCH	VN	-30	0.86	0.000464	± 2.5	PASS
		VN	-20	0.86	0.000464	± 2.5	PASS
		VN	-10	0.86	0.000464	± 2.5	PASS
		VN	0	0.86	0.000464	± 2.5	PASS
		VN	10	-2.27	-0.001210	± 2.5	PASS
		VN	20	-2.27	-0.001210	± 2.5	PASS
		VN	30	2.95	0.001567	± 2.5	PASS
		VN	40	1.50	0.000799	± 2.5	PASS
		VN	50	2.42	0.001286	± 2.5	PASS
	HCH	VN	-30	2.42	0.001286	± 2.5	PASS
		VN	-20	2.42	0.001286	± 2.5	PASS
		VN	-10	2.42	0.001286	± 2.5	PASS
		VN	0	-0.99	-0.000517	± 2.5	PASS
		VN	10	-0.99	-0.000517	± 2.5	PASS
		VN	20	-0.99	-0.000517	± 2.5	PASS
		VN	30	-7.24	-0.003793	± 2.5	PASS
		VN	40	-0.64	-0.000337	± 2.5	PASS
		VN	50	-1.47	-0.000772	± 2.5	PASS
16QAM	LCH	VN	-30	-1.47	-0.000772	± 2.5	PASS
		VN	-20	-1.47	-0.000772	± 2.5	PASS
		VN	-10	-1.47	-0.000772	± 2.5	PASS
		VN	0	-1.47	-0.000772	± 2.5	PASS
		VN	10	-1.90	-0.001028	± 2.5	PASS
		VN	20	1.73	0.000935	± 2.5	PASS



		VN	30	-1.90	-0.001028	± 2.5	PASS
		VN	40	-0.41	-0.000224	± 2.5	PASS
		VN	50	0.46	0.000247	± 2.5	PASS
	MCH	VN	-30	0.46	0.000247	± 2.5	PASS
		VN	-20	0.46	0.000247	± 2.5	PASS
		VN	-10	0.46	0.000247	± 2.5	PASS
		VN	0	0.46	0.000247	± 2.5	PASS
		VN	10	2.56	0.001362	± 2.5	PASS
		VN	20	2.56	0.001362	± 2.5	PASS
		VN	30	4.38	0.002328	± 2.5	PASS
		VN	40	0.66	0.000350	± 2.5	PASS
		VN	50	1.95	0.001035	± 2.5	PASS
	HCH	VN	-30	1.95	0.001035	± 2.5	PASS
		VN	-20	1.95	0.001035	± 2.5	PASS
		VN	-10	1.95	0.001035	± 2.5	PASS
		VN	0	-1.46	-0.000765	± 2.5	PASS
		VN	10	-1.46	-0.000765	± 2.5	PASS
		VN	20	-1.46	-0.000765	± 2.5	PASS
		VN	30	-3.12	-0.001634	± 2.5	PASS
		VN	40	-2.82	-0.001477	± 2.5	PASS
		VN	50	-2.62	-0.001372	± 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	-0.21	-0.000116	± 2.5	PASS
		VN	TN	-0.21	-0.000116	± 2.5	PASS
		VH	TN	-4.66	-0.002481	± 2.5	PASS
	MCH	VL	TN	-4.66	-0.002481	± 2.5	PASS
		VN	TN	-4.66	-0.002481	± 2.5	PASS
		VH	TN	-4.66	-0.002481	± 2.5	PASS
	HCH	VL	TN	-4.66	-0.002481	± 2.5	PASS
		VN	TN	3.29	0.001725	± 2.5	PASS
		VH	TN	3.29	0.001725	± 2.5	PASS
16QAM	LCH	VL	TN	3.29	0.001725	± 2.5	PASS
		VN	TN	-0.77	-0.000417	± 2.5	PASS
		VH	TN	-0.77	-0.000417	± 2.5	PASS
	MCH	VL	TN	-0.77	-0.000417	± 2.5	PASS
		VN	TN	-3.08	-0.001636	± 2.5	PASS
		VH	TN	-3.08	-0.001636	± 2.5	PASS
	HCH	VL	TN	-3.08	-0.001636	± 2.5	PASS
		VN	TN	2.30	0.001207	± 2.5	PASS
		VH	TN	2.30	0.001207	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

QPSK	LCH	VN	-30	0.40	0.000216	± 2.5	PASS
		VN	-20	0.40	0.000216	± 2.5	PASS
		VN	-10	0.40	0.000216	± 2.5	PASS
		VN	0	0.40	0.000216	± 2.5	PASS
		VN	10	0.40	0.000216	± 2.5	PASS
		VN	20	0.40	0.000216	± 2.5	PASS
		VN	30	-2.15	-0.001158	± 2.5	PASS
		VN	40	-1.13	-0.000610	± 2.5	PASS
		VN	50	0.80	0.000432	± 2.5	PASS
	MCH	VN	-30	0.80	0.000432	± 2.5	PASS
		VN	-20	0.80	0.000432	± 2.5	PASS
		VN	-10	0.80	0.000432	± 2.5	PASS
		VN	0	0.80	0.000432	± 2.5	PASS
		VN	10	-5.08	-0.002701	± 2.5	PASS
		VN	20	-5.08	-0.002701	± 2.5	PASS
		VN	30	-3.63	-0.001933	± 2.5	PASS
		VN	40	-1.33	-0.000708	± 2.5	PASS
		VN	50	-3.40	-0.001811	± 2.5	PASS
	HCH	VN	-30	-3.40	-0.001811	± 2.5	PASS
		VN	-20	-3.40	-0.001811	± 2.5	PASS
		VN	-10	-3.40	-0.001811	± 2.5	PASS
		VN	0	-3.40	-0.001811	± 2.5	PASS
		VN	10	-0.19	-0.000097	± 2.5	PASS
		VN	20	-0.19	-0.000097	± 2.5	PASS
		VN	30	1.52	0.000795	± 2.5	PASS
		VN	40	2.45	0.001282	± 2.5	PASS
		VN	50	0.53	0.000277	± 2.5	PASS
16QAM	LCH	VN	-30	0.53	0.000277	± 2.5	PASS
		VN	-20	0.53	0.000277	± 2.5	PASS
		VN	-10	0.53	0.000277	± 2.5	PASS
		VN	0	0.54	0.000293	± 2.5	PASS
		VN	10	0.54	0.000293	± 2.5	PASS
		VN	20	0.54	0.000293	± 2.5	PASS
		VN	30	-1.50	-0.000811	± 2.5	PASS
		VN	40	-0.77	-0.000417	± 2.5	PASS
		VN	50	-0.64	-0.000347	± 2.5	PASS
	MCH	VN	-30	-0.64	-0.000347	± 2.5	PASS
		VN	-20	-0.64	-0.000347	± 2.5	PASS
		VN	-10	-0.64	-0.000347	± 2.5	PASS
		VN	0	-5.36	-0.002853	± 2.5	PASS
		VN	10	-5.36	-0.002853	± 2.5	PASS
		VN	20	-5.36	-0.002853	± 2.5	PASS
		VN	30	-2.09	-0.001111	± 2.5	PASS
		VN	40	-2.92	-0.001552	± 2.5	PASS
		VN	50	-2.66	-0.001415	± 2.5	PASS
	HCH	VN	-30	-2.66	-0.001415	± 2.5	PASS
		VN	-20	-2.66	-0.001415	± 2.5	PASS
		VN	-10	-2.66	-0.001415	± 2.5	PASS
		VN	0	-2.66	-0.001415	± 2.5	PASS
		VN	10	-2.66	-0.001415	± 2.5	PASS

		VN	20	-0.73	-0.000382	± 2.5	PASS
		VN	30	1.82	0.000952	± 2.5	PASS
		VN	40	2.80	0.001470	± 2.5	PASS
		VN	50	1.22	0.000637	± 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	-0.001110	± 2.5	PASS
		VN	TN	-2.06	-0.001110	± 2.5	PASS
		VH	TN	-2.06	-0.001110	± 2.5	PASS
	MCH	VL	TN	-2.06	-0.001110	± 2.5	PASS
		VN	TN	-4.94	-0.002625	± 2.5	PASS
		VH	TN	-4.94	-0.002625	± 2.5	PASS
	HCH	VL	TN	-4.94	-0.002625	± 2.5	PASS
		VN	TN	0.63	0.000330	± 2.5	PASS
		VH	TN	0.63	0.000330	± 2.5	PASS
16QAM	LCH	VL	TN	0.63	0.000330	± 2.5	PASS
		VN	TN	-3.09	-0.001666	± 2.5	PASS
		VH	TN	-3.09	-0.001666	± 2.5	PASS
	MCH	VL	TN	-3.09	-0.001666	± 2.5	PASS
		VN	TN	-2.92	-0.001552	± 2.5	PASS
		VH	TN	-2.92	-0.001552	± 2.5	PASS
	HCH	VL	TN	-2.92	-0.001552	± 2.5	PASS
		VN	TN	0.59	0.000308	± 2.5	PASS
		VH	TN	0.59	0.000308	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.59	0.000308	± 2.5	PASS
		VN	-20	0.59	0.000308	± 2.5	PASS
		VN	-10	0.59	0.000308	± 2.5	PASS
		VN	0	0.59	0.000308	± 2.5	PASS
		VN	10	0.59	0.000308	± 2.5	PASS
		VN	20	-3.55	-0.001912	± 2.5	PASS
		VN	30	-2.79	-0.001504	± 2.5	PASS
		VN	40	-3.08	-0.001658	± 2.5	PASS
		VN	50	-3.35	-0.001805	± 2.5	PASS
	MCH	VN	-30	-3.35	-0.001805	± 2.5	PASS
		VN	-20	-3.35	-0.001805	± 2.5	PASS
		VN	-10	-3.35	-0.001805	± 2.5	PASS
		VN	0	-3.35	-0.001805	± 2.5	PASS
		VN	10	-4.63	-0.002465	± 2.5	PASS
		VN	20	-4.63	-0.002465	± 2.5	PASS
VN		30	-1.40	-0.000746	± 2.5	PASS	
VN	40	-4.92	-0.002618	± 2.5	PASS		

	HCH	VN	50	-4.16	-0.002214	± 2.5	PASS
		VN	-30	-4.16	-0.002214	± 2.5	PASS
		VN	-20	-4.16	-0.002214	± 2.5	PASS
		VN	-10	-4.16	-0.002214	± 2.5	PASS
		VN	0	2.27	0.001194	± 2.5	PASS
		VN	10	2.27	0.001194	± 2.5	PASS
		VN	20	2.27	0.001194	± 2.5	PASS
		VN	30	0.94	0.000496	± 2.5	PASS
		VN	40	1.47	0.000773	± 2.5	PASS
		VN	50	1.00	0.000526	± 2.5	PASS
16QAM	LCH	VN	-30	1.00	0.000526	± 2.5	PASS
		VN	-20	1.00	0.000526	± 2.5	PASS
		VN	-10	1.00	0.000526	± 2.5	PASS
		VN	0	1.00	0.000526	± 2.5	PASS
		VN	10	-3.98	-0.002144	± 2.5	PASS
		VN	20	-3.98	-0.002144	± 2.5	PASS
		VN	30	-3.88	-0.002090	± 2.5	PASS
		VN	40	-4.69	-0.002529	± 2.5	PASS
		VN	50	-4.42	-0.002383	± 2.5	PASS
	MCH	VN	-30	-4.42	-0.002383	± 2.5	PASS
		VN	-20	-4.42	-0.002383	± 2.5	PASS
		VN	-10	-4.42	-0.002383	± 2.5	PASS
		VN	0	-4.32	-0.002298	± 2.5	PASS
		VN	10	-4.32	-0.002298	± 2.5	PASS
		VN	20	-4.32	-0.002298	± 2.5	PASS
		VN	30	-3.06	-0.001628	± 2.5	PASS
		VN	40	-4.72	-0.002511	± 2.5	PASS
		VN	50	-4.49	-0.002389	± 2.5	PASS
	HCH	VN	-30	-4.49	-0.002389	± 2.5	PASS
		VN	-20	-4.49	-0.002389	± 2.5	PASS
		VN	-10	-4.49	-0.002389	± 2.5	PASS
		VN	0	-4.49	-0.002389	± 2.5	PASS
		VN	10	0.00	0.000000	± 2.5	PASS
		VN	20	0.00	0.000000	± 2.5	PASS
		VN	30	1.52	0.000796	± 2.5	PASS
		VN	40	1.87	0.000984	± 2.5	PASS
		VN	50	0.40	0.000210	± 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	-0.36	-0.000193	± 2.5	PASS
		VN	TN	-0.36	-0.000193	± 2.5	PASS
		VH	TN	-0.36	-0.000193	± 2.5	PASS
	MCH	VL	TN	-0.36	-0.000193	± 2.5	PASS
		VN	TN	-2.56	-0.001362	± 2.5	PASS

		VH	TN	-0.33	-0.000173	± 2.5	PASS
	HCH	VL	TN	-0.33	-0.000173	± 2.5	PASS
		VN	TN	-0.33	-0.000173	± 2.5	PASS
		VH	TN	-0.33	-0.000173	± 2.5	PASS
16QAM	LCH	VL	TN	-0.33	-0.000173	± 2.5	PASS
		VN	TN	-0.89	-0.000477	± 2.5	PASS
		VH	TN	-0.89	-0.000477	± 2.5	PASS
	MCH	VL	TN	-0.89	-0.000477	± 2.5	PASS
		VN	TN	-0.92	-0.000487	± 2.5	PASS
		VH	TN	-0.92	-0.000487	± 2.5	PASS
	HCH	VL	TN	-0.92	-0.000487	± 2.5	PASS
		VN	TN	0.13	0.000068	± 2.5	PASS
		VH	TN	0.13	0.000068	± 2.5	PASS
	Temperature						
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.11	-0.000062	± 2.5	PASS
		VN	-20	-0.11	-0.000062	± 2.5	PASS
		VN	-10	-0.11	-0.000062	± 2.5	PASS
		VN	0	-0.11	-0.000062	± 2.5	PASS
		VN	10	-0.11	-0.000062	± 2.5	PASS
		VN	20	-0.11	-0.000062	± 2.5	PASS
		VN	30	-1.83	-0.000986	± 2.5	PASS
		VN	40	-1.32	-0.000709	± 2.5	PASS
		VN	50	-2.20	-0.001186	± 2.5	PASS
	MCH	VN	-30	-2.20	-0.001186	± 2.5	PASS
		VN	-20	-2.20	-0.001186	± 2.5	PASS
		VN	-10	-2.20	-0.001186	± 2.5	PASS
		VN	0	-2.20	-0.001186	± 2.5	PASS
		VN	10	-2.62	-0.001392	± 2.5	PASS
		VN	20	-2.62	-0.001392	± 2.5	PASS
		VN	30	-2.57	-0.001370	± 2.5	PASS
		VN	40	-2.45	-0.001301	± 2.5	PASS
		VN	50	-1.12	-0.000594	± 2.5	PASS
	HCH	VN	-30	-1.12	-0.000594	± 2.5	PASS
		VN	-20	-1.12	-0.000594	± 2.5	PASS
		VN	-10	-1.12	-0.000594	± 2.5	PASS
		VN	0	-1.12	-0.000594	± 2.5	PASS
		VN	10	-0.23	-0.000120	± 2.5	PASS
		VN	20	-0.23	-0.000120	± 2.5	PASS
		VN	30	0.57	0.000301	± 2.5	PASS
		VN	40	-0.96	-0.000504	± 2.5	PASS
		VN	50	-1.00	-0.000526	± 2.5	PASS
QPSK	LCH	VN	-30	-1.00	-0.000526	± 2.5	PASS
		VN	-20	-1.00	-0.000526	± 2.5	PASS
		VN	-10	-1.00	-0.000526	± 2.5	PASS
		VN	0	-0.60	-0.000323	± 2.5	PASS
		VN	10	-0.60	-0.000323	± 2.5	PASS
		VN	20	-0.60	-0.000323	± 2.5	PASS
		VN	30	-2.53	-0.001363	± 2.5	PASS
		VN	30	-2.53	-0.001363	± 2.5	PASS



		VN	40	-1.46	-0.000786	± 2.5	PASS
		VN	50	-1.37	-0.000739	± 2.5	PASS
	MCH	VN	-30	-1.37	-0.000739	± 2.5	PASS
		VN	-20	-1.37	-0.000739	± 2.5	PASS
		VN	-10	-1.37	-0.000739	± 2.5	PASS
		VN	0	-1.99	-0.001058	± 2.5	PASS
		VN	10	-1.99	-0.001058	± 2.5	PASS
		VN	20	-1.99	-0.001058	± 2.5	PASS
		VN	30	-1.67	-0.000890	± 2.5	PASS
		VN	40	-0.82	-0.000434	± 2.5	PASS
		VN	50	-0.33	-0.000175	± 2.5	PASS
	HCH	VN	-30	-0.33	-0.000175	± 2.5	PASS
		VN	-20	-0.33	-0.000175	± 2.5	PASS
		VN	-10	-0.33	-0.000175	± 2.5	PASS
		VN	0	-0.82	-0.000429	± 2.5	PASS
		VN	10	-0.82	-0.000429	± 2.5	PASS
		VN	20	-0.82	-0.000429	± 2.5	PASS
		VN	30	-0.82	-0.000429	± 2.5	PASS
		VN	40	-0.23	-0.000120	± 2.5	PASS
		VN	50	-0.62	-0.000323	± 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	-2.50	-0.001346	± 2.5	PASS
		VN	TN	-2.50	-0.001346	± 2.5	PASS
		VH	TN	-2.50	-0.001346	± 2.5	PASS
	MCH	VL	TN	-2.50	-0.001346	± 2.5	PASS
		VN	TN	-0.56	-0.000297	± 2.5	PASS
		VH	TN	-0.56	-0.000297	± 2.5	PASS
	HCH	VL	TN	-0.56	-0.000297	± 2.5	PASS
		VN	TN	-0.76	-0.000399	± 2.5	PASS
		VH	TN	-0.76	-0.000399	± 2.5	PASS
16QAM	LCH	VL	TN	-0.76	-0.000399	± 2.5	PASS
		VN	TN	-2.19	-0.001177	± 2.5	PASS
		VH	TN	-2.19	-0.001177	± 2.5	PASS
	MCH	VL	TN	-2.19	-0.001177	± 2.5	PASS
		VN	TN	0.30	0.000160	± 2.5	PASS
		VH	TN	0.06	0.000030	± 2.5	PASS
	HCH	VL	TN	0.06	0.000030	± 2.5	PASS
		VN	TN	0.06	0.000030	± 2.5	PASS
		VH	TN	0.06	0.000030	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.95	-0.001046	± 2.5	PASS

		VN	-20	-1.95	-0.001046	± 2.5	PASS
		VN	-10	-1.95	-0.001046	± 2.5	PASS
		VN	0	-1.95	-0.001046	± 2.5	PASS
		VN	10	-1.95	-0.001046	± 2.5	PASS
		VN	20	-1.95	-0.001046	± 2.5	PASS
		VN	30	-2.86	-0.001538	± 2.5	PASS
		VN	40	-2.09	-0.001123	± 2.5	PASS
		VN	50	-2.95	-0.001584	± 2.5	PASS
	MCH	VN	-30	-2.86	-0.001538	± 2.5	PASS
		VN	-20	-2.86	-0.001538	± 2.5	PASS
		VN	-10	-2.95	-0.001584	± 2.5	PASS
		VN	0	-2.95	-0.001584	± 2.5	PASS
		VN	10	-0.90	-0.000479	± 2.5	PASS
		VN	20	-0.90	-0.000479	± 2.5	PASS
		VN	30	-1.34	-0.000715	± 2.5	PASS
		VN	40	-1.34	-0.000715	± 2.5	PASS
		VN	50	-0.24	-0.000129	± 2.5	PASS
	HCH	VN	-30	-0.24	-0.000129	± 2.5	PASS
		VN	-20	-0.24	-0.000129	± 2.5	PASS
		VN	-10	-0.24	-0.000129	± 2.5	PASS
		VN	0	-0.24	-0.000129	± 2.5	PASS
		VN	10	-0.96	-0.000504	± 2.5	PASS
		VN	20	-0.96	-0.000504	± 2.5	PASS
		VN	30	-0.47	-0.000248	± 2.5	PASS
		VN	40	-0.60	-0.000316	± 2.5	PASS
QPSK	LCH	VN	50	-0.24	-0.000128	± 2.5	PASS
		VN	-30	-0.24	-0.000128	± 2.5	PASS
		VN	-20	-0.24	-0.000128	± 2.5	PASS
		VN	-10	-0.24	-0.000128	± 2.5	PASS
		VN	0	-2.33	-0.001254	± 2.5	PASS
		VN	10	-2.33	-0.001254	± 2.5	PASS
		VN	20	-2.33	-0.001254	± 2.5	PASS
		VN	30	-1.76	-0.000946	± 2.5	PASS
	MCH	VN	40	0.20	0.000108	± 2.5	PASS
		VN	50	-0.79	-0.000423	± 2.5	PASS
		VN	-30	-0.79	-0.000423	± 2.5	PASS
		VN	-20	-0.79	-0.000423	± 2.5	PASS
		VN	-10	-0.79	-0.000423	± 2.5	PASS
		VN	0	-0.29	-0.000152	± 2.5	PASS
		VN	10	-0.29	-0.000152	± 2.5	PASS
		VN	20	-0.29	-0.000152	± 2.5	PASS
	HCH	VN	30	-1.00	-0.000533	± 2.5	PASS
		VN	40	-0.96	-0.000510	± 2.5	PASS
		VN	50	-1.22	-0.000647	± 2.5	PASS
		VN	-30	-1.22	-0.000647	± 2.5	PASS
		VN	-20	-1.22	-0.000647	± 2.5	PASS
		VN	-10	-1.22	-0.000647	± 2.5	PASS
		VN	0	-1.22	-0.000647	± 2.5	PASS
		VN	10	-0.11	-0.000060	± 2.5	PASS
		VN	20	-0.11	-0.000060	± 2.5	PASS

		VN	30	-1.09	-0.000572	± 2.5	PASS
		VN	40	-0.72	-0.000376	± 2.5	PASS
		VN	50	-0.33	-0.000173	± 2.5	PASS