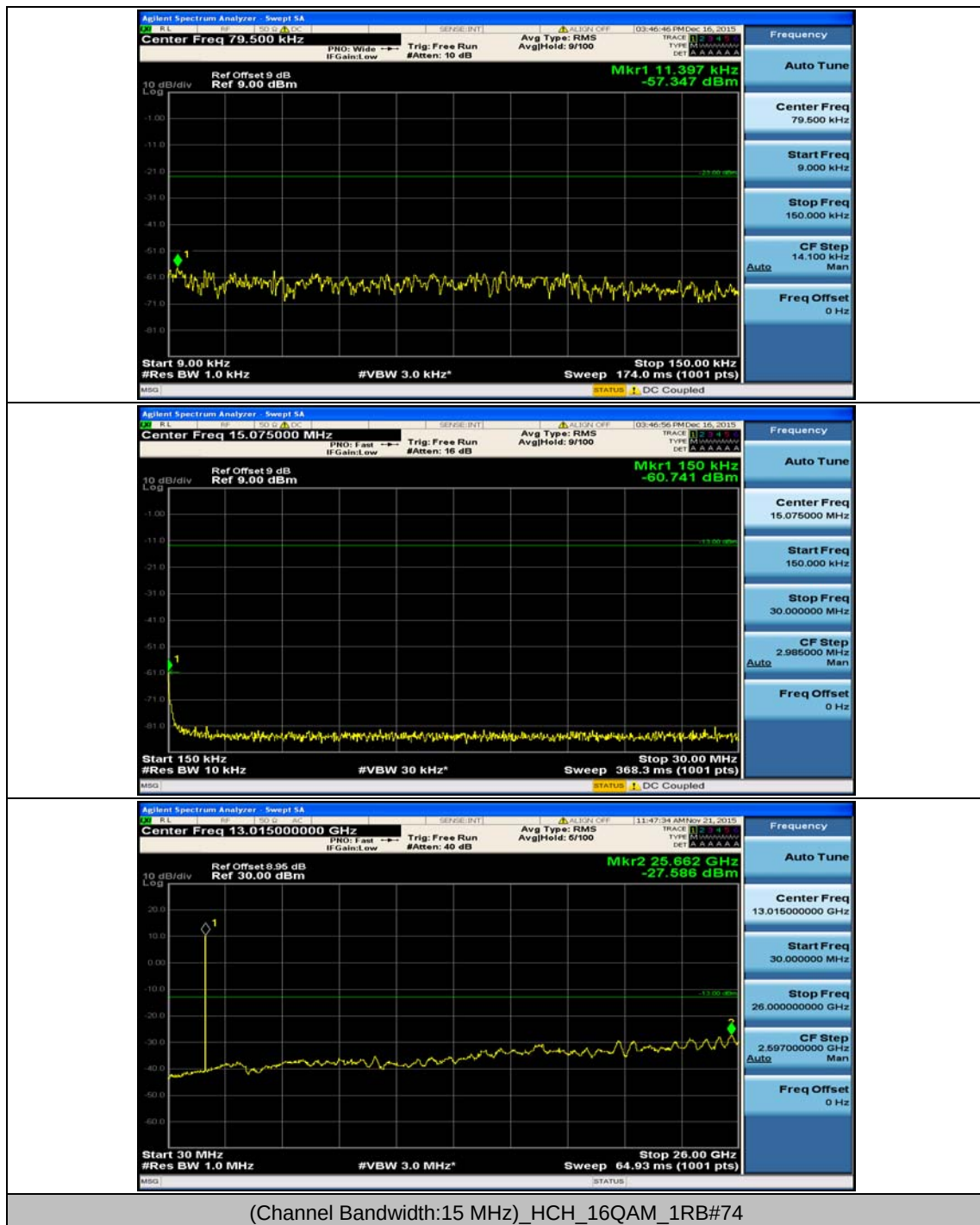
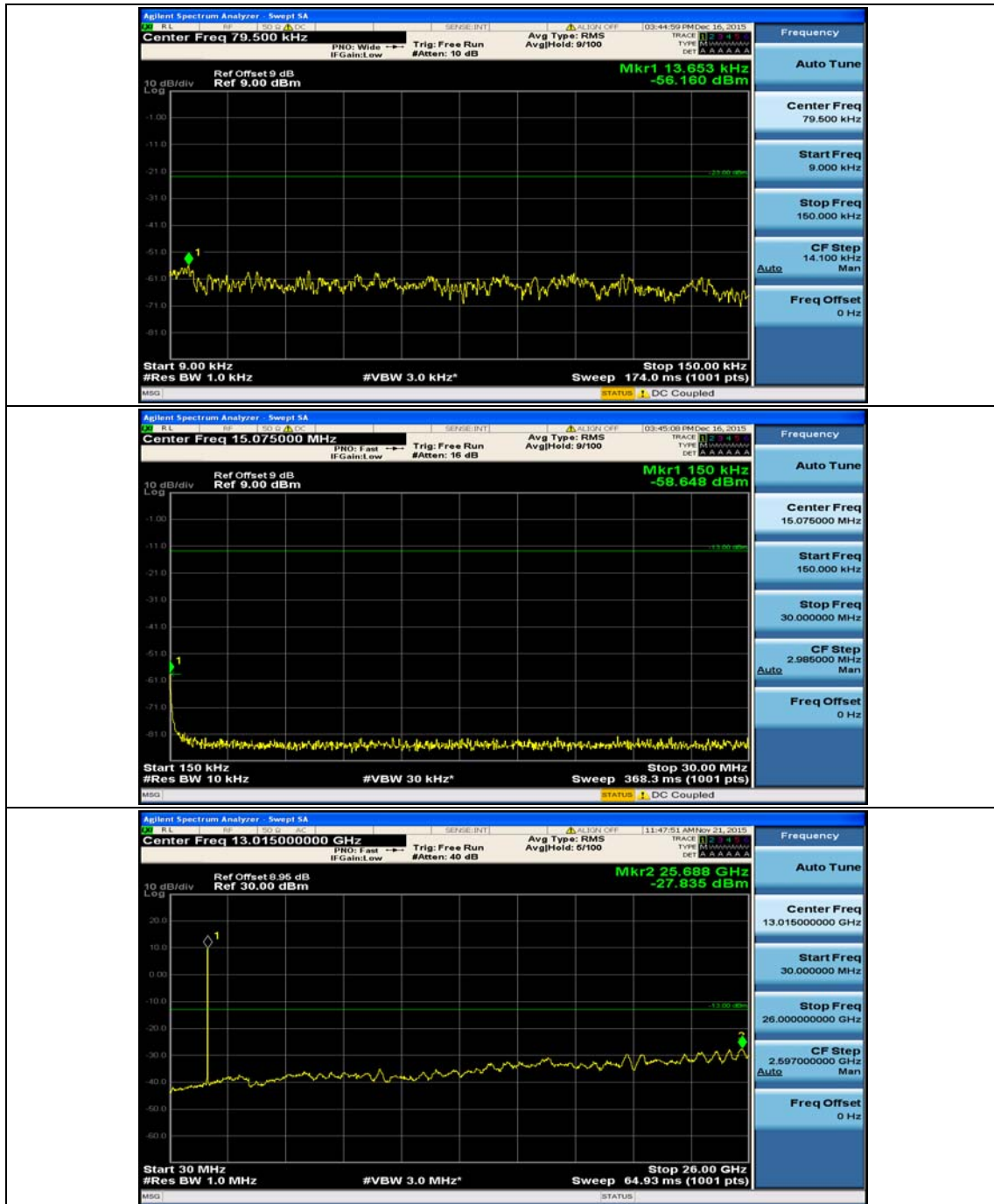
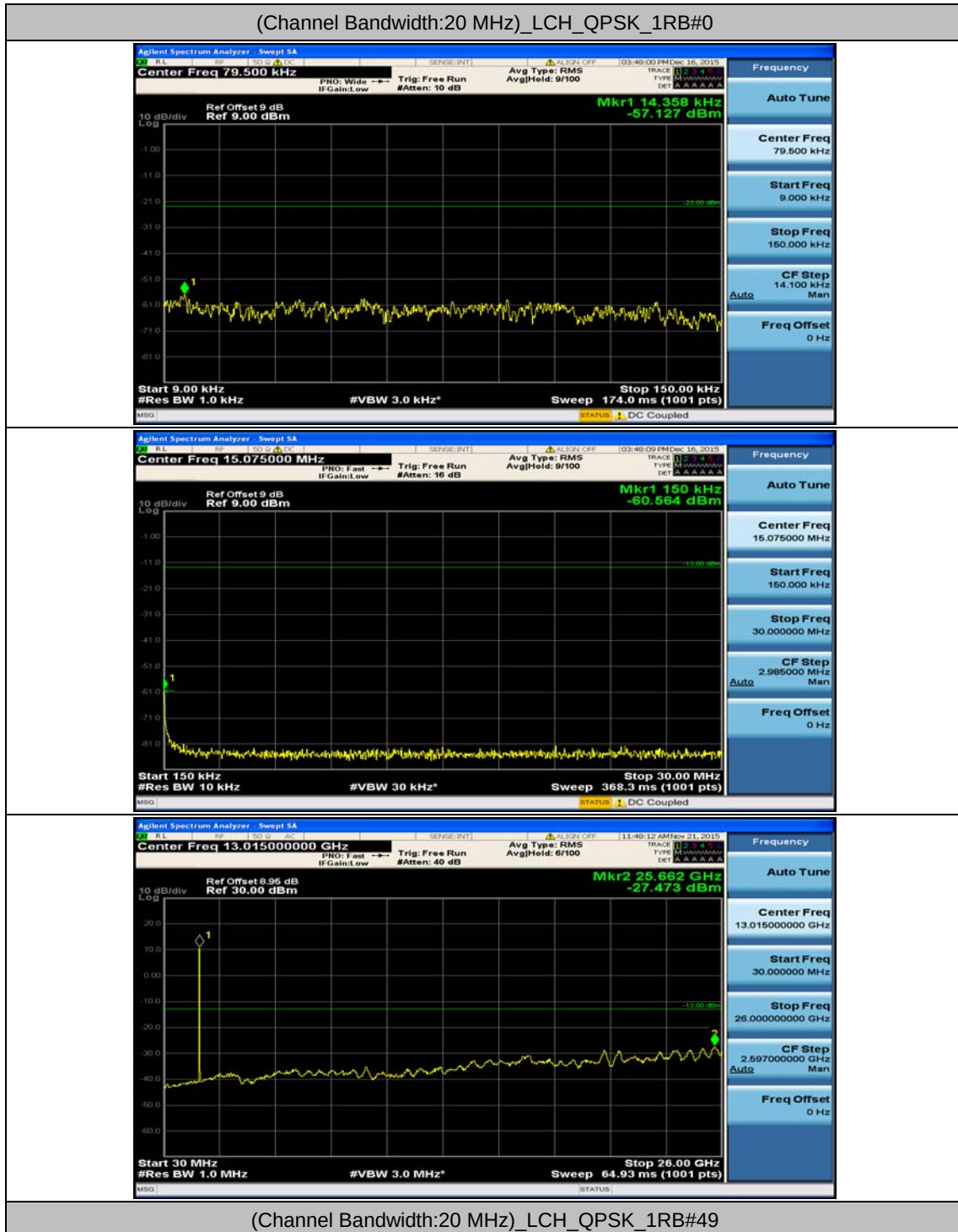
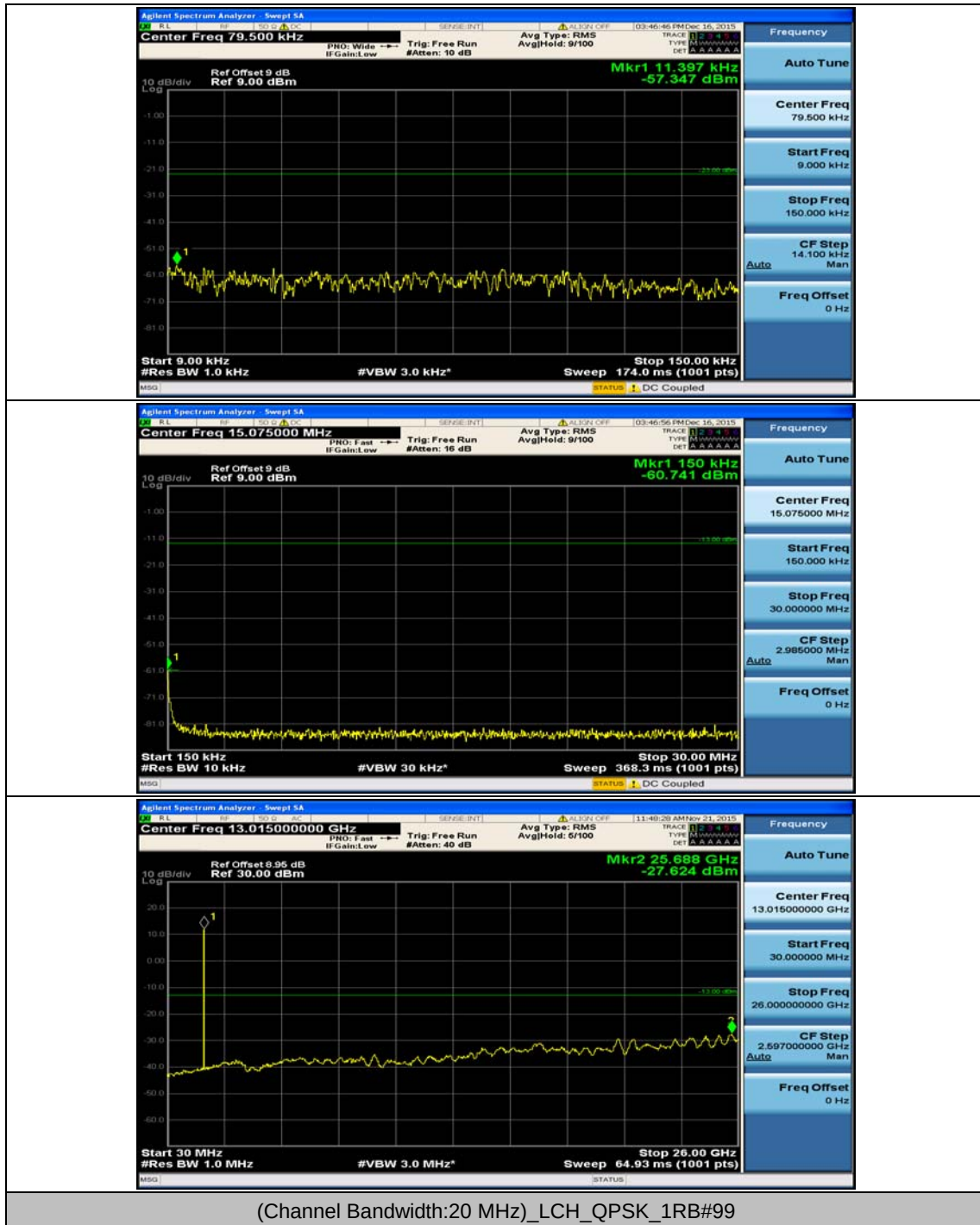


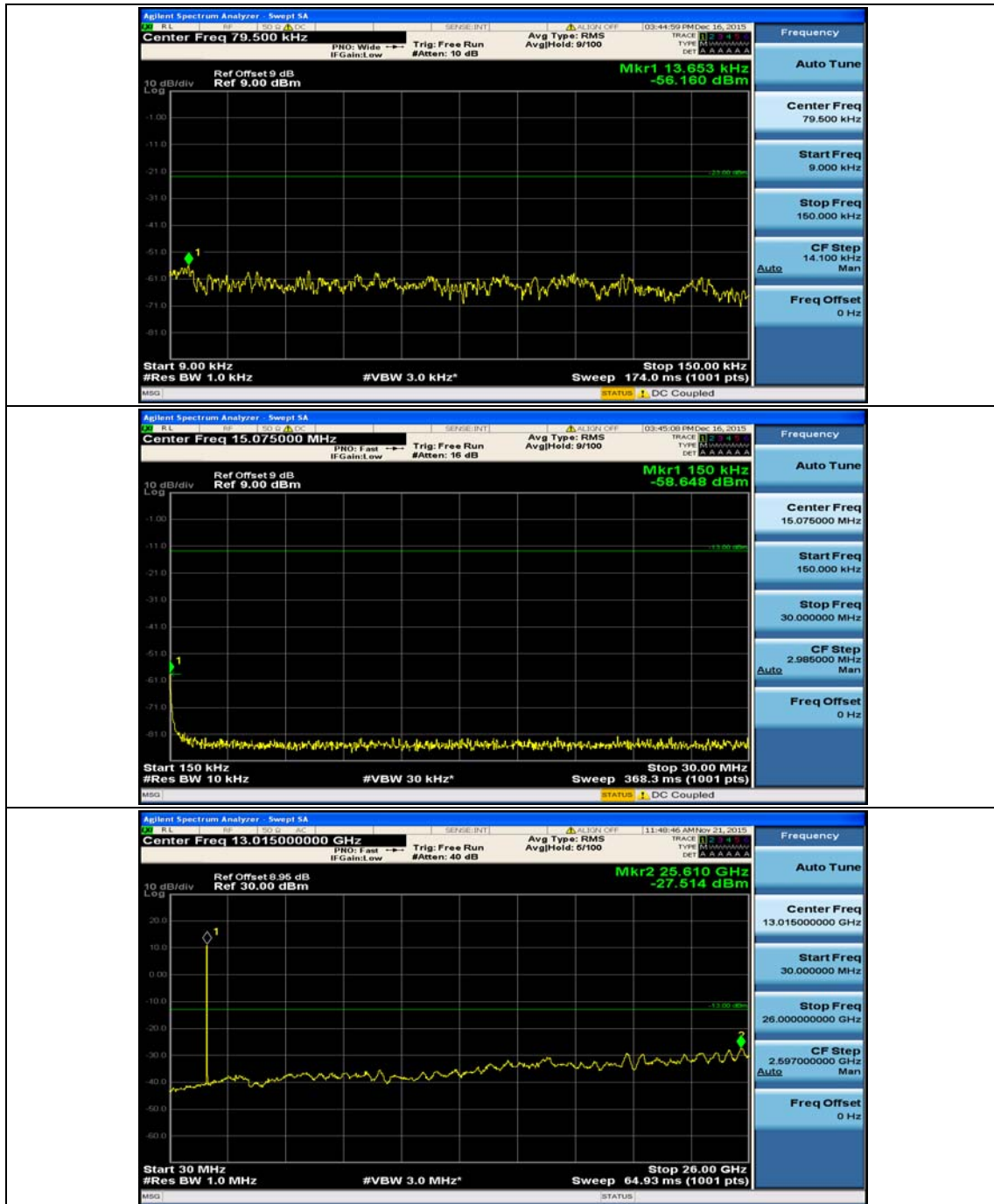




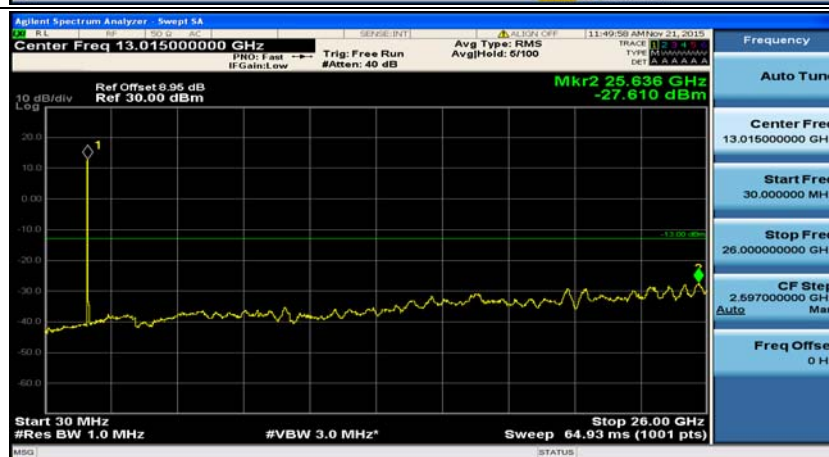
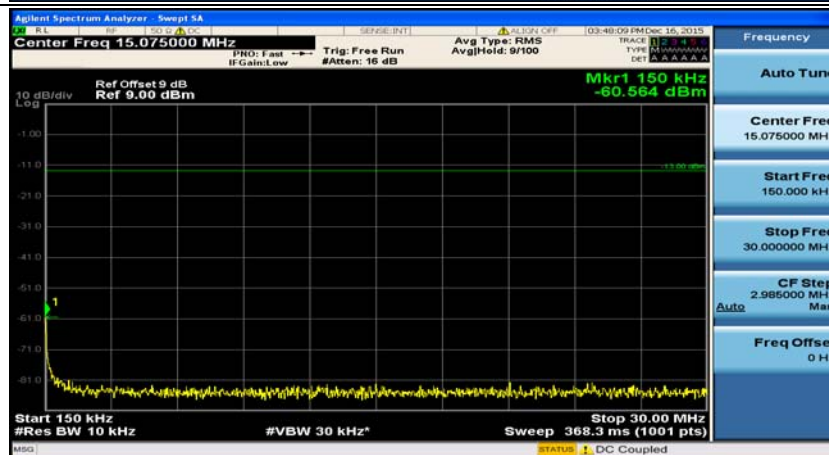
Channel Bandwidth: 20 MHz



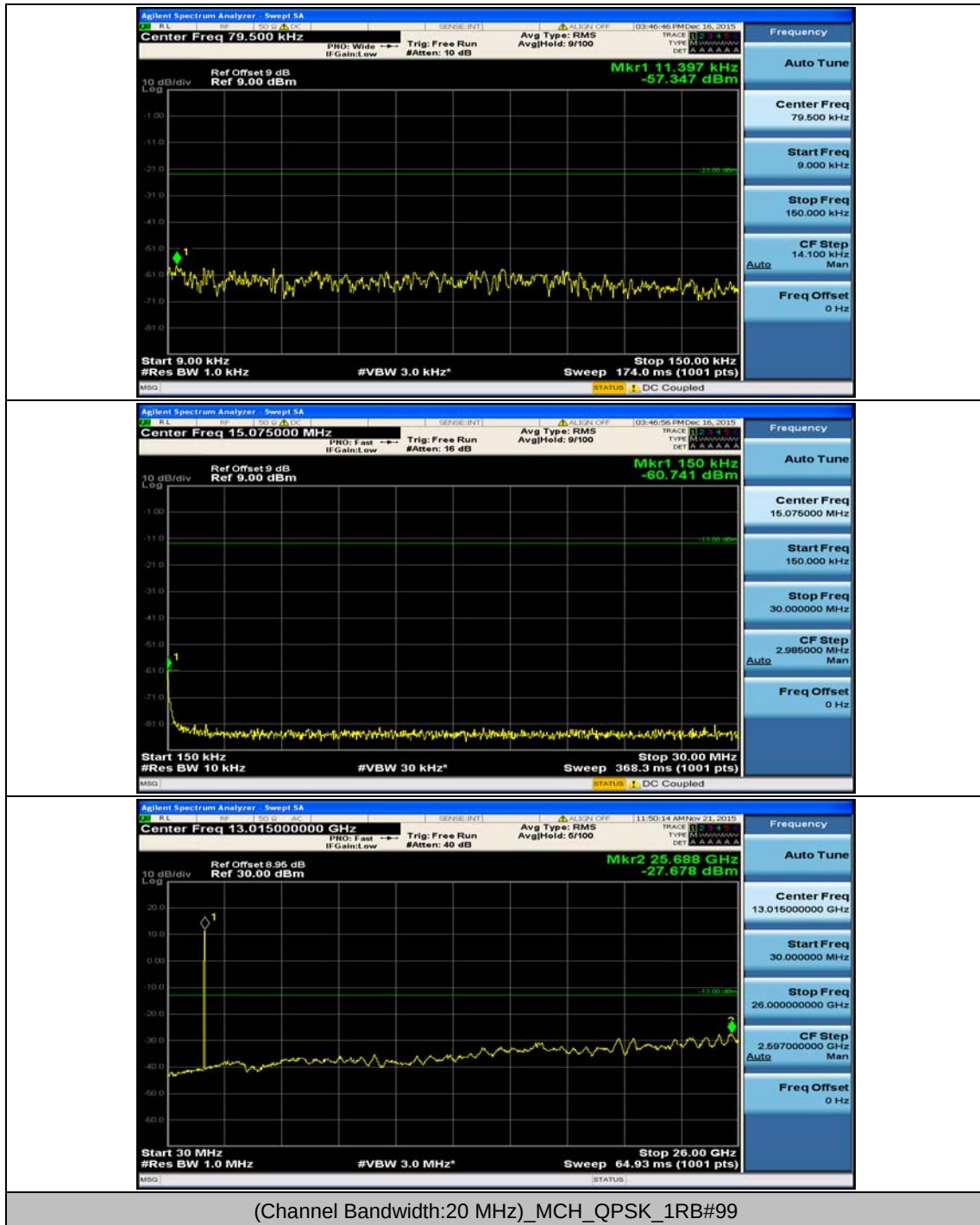


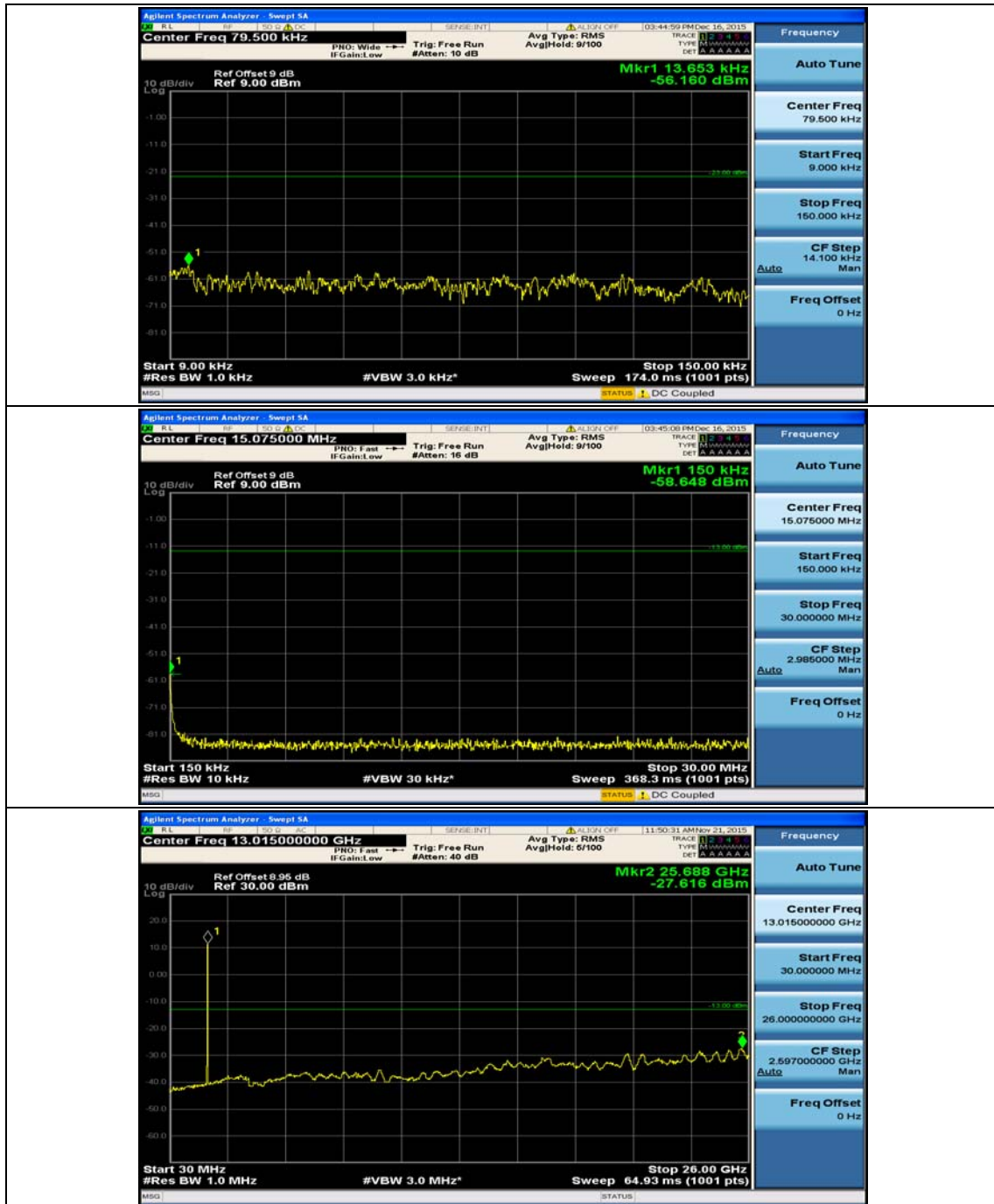


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

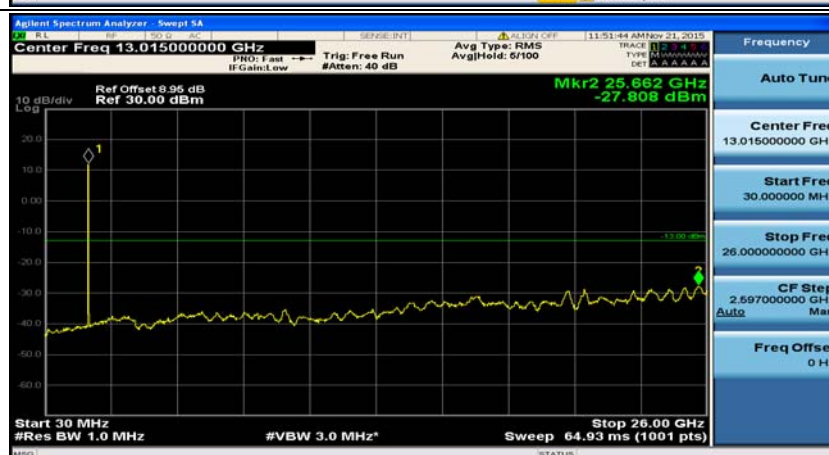
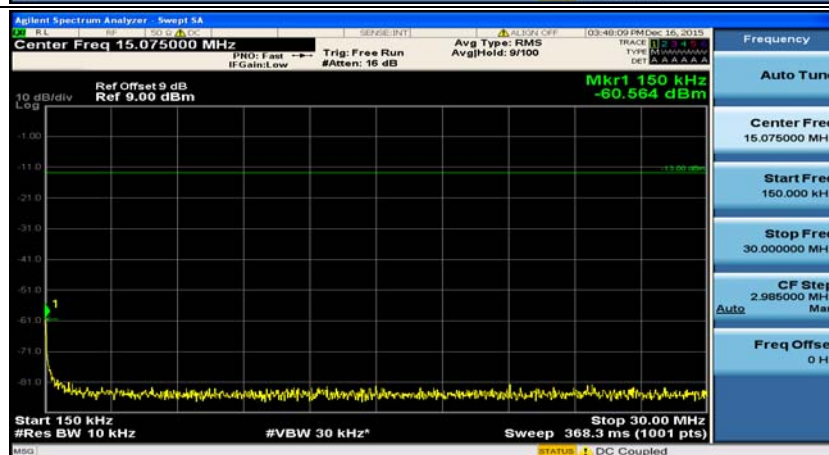
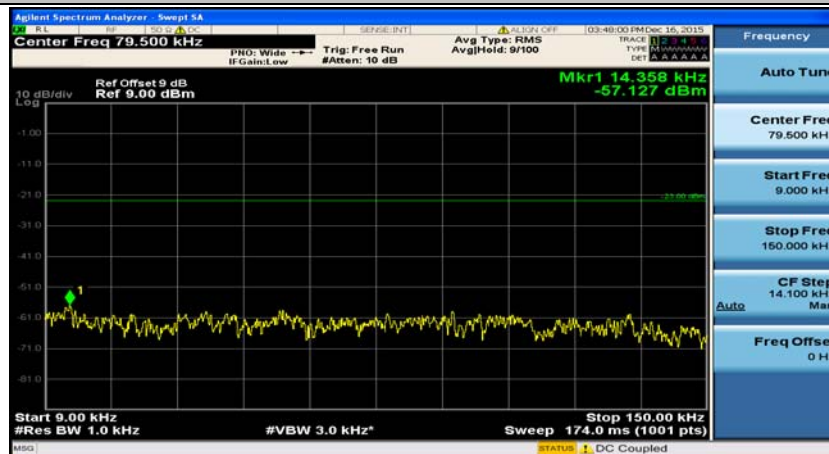


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

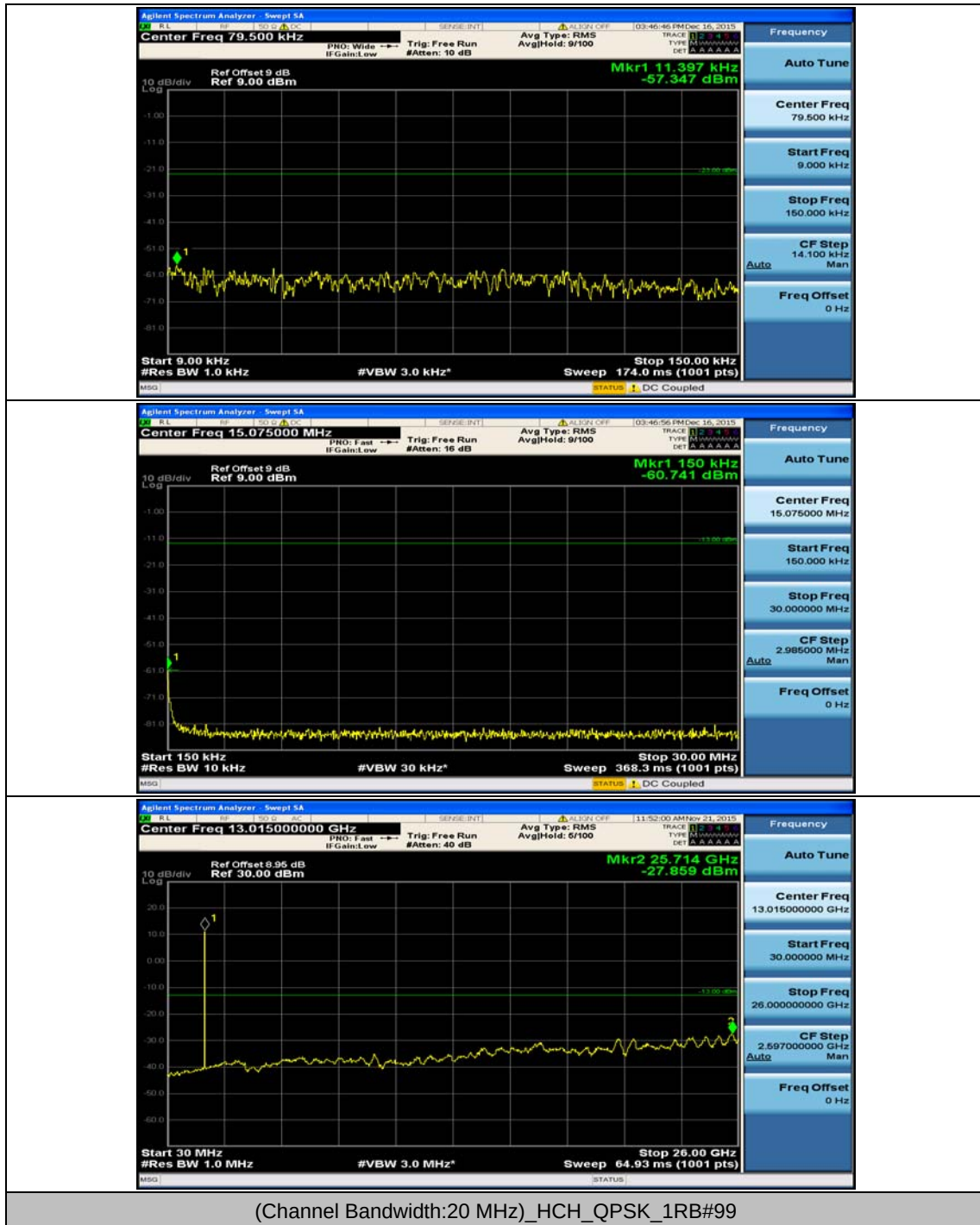


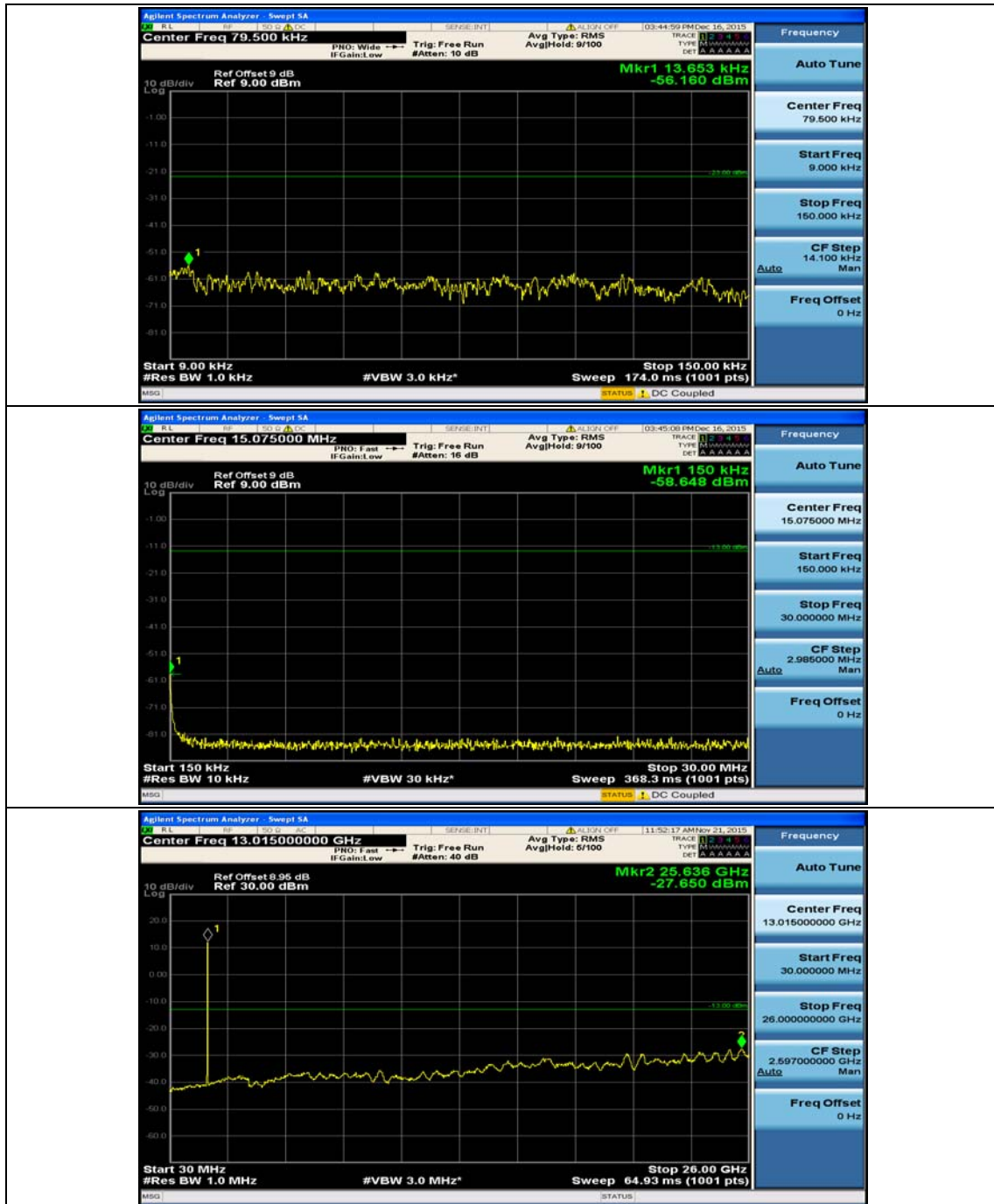


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

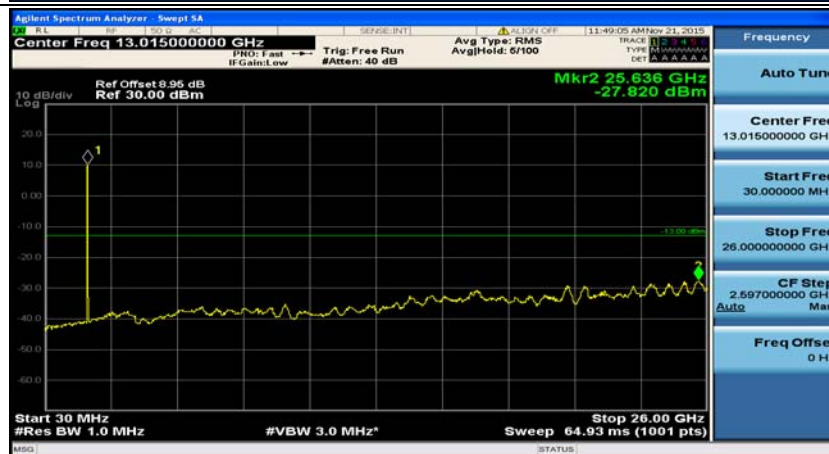


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

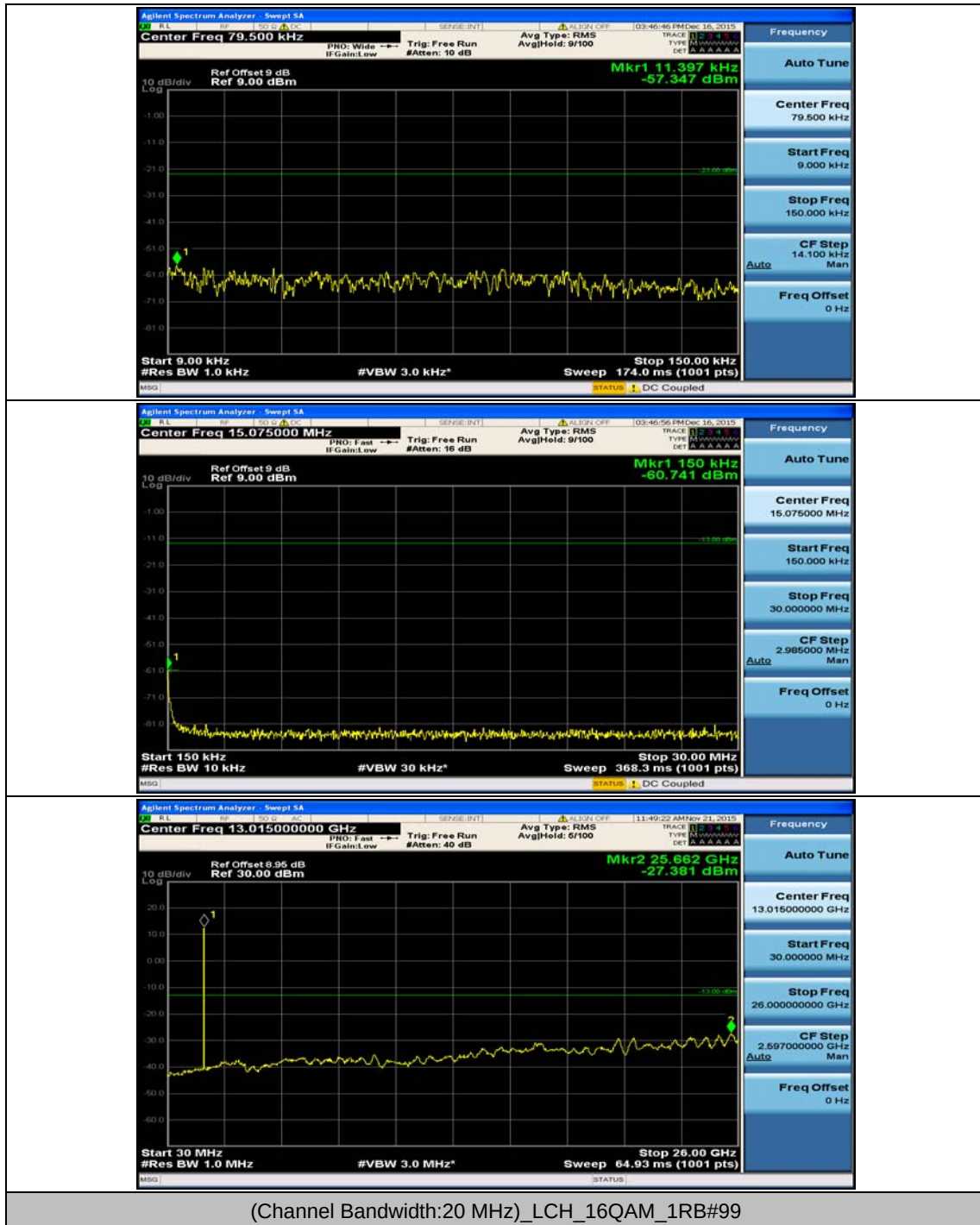


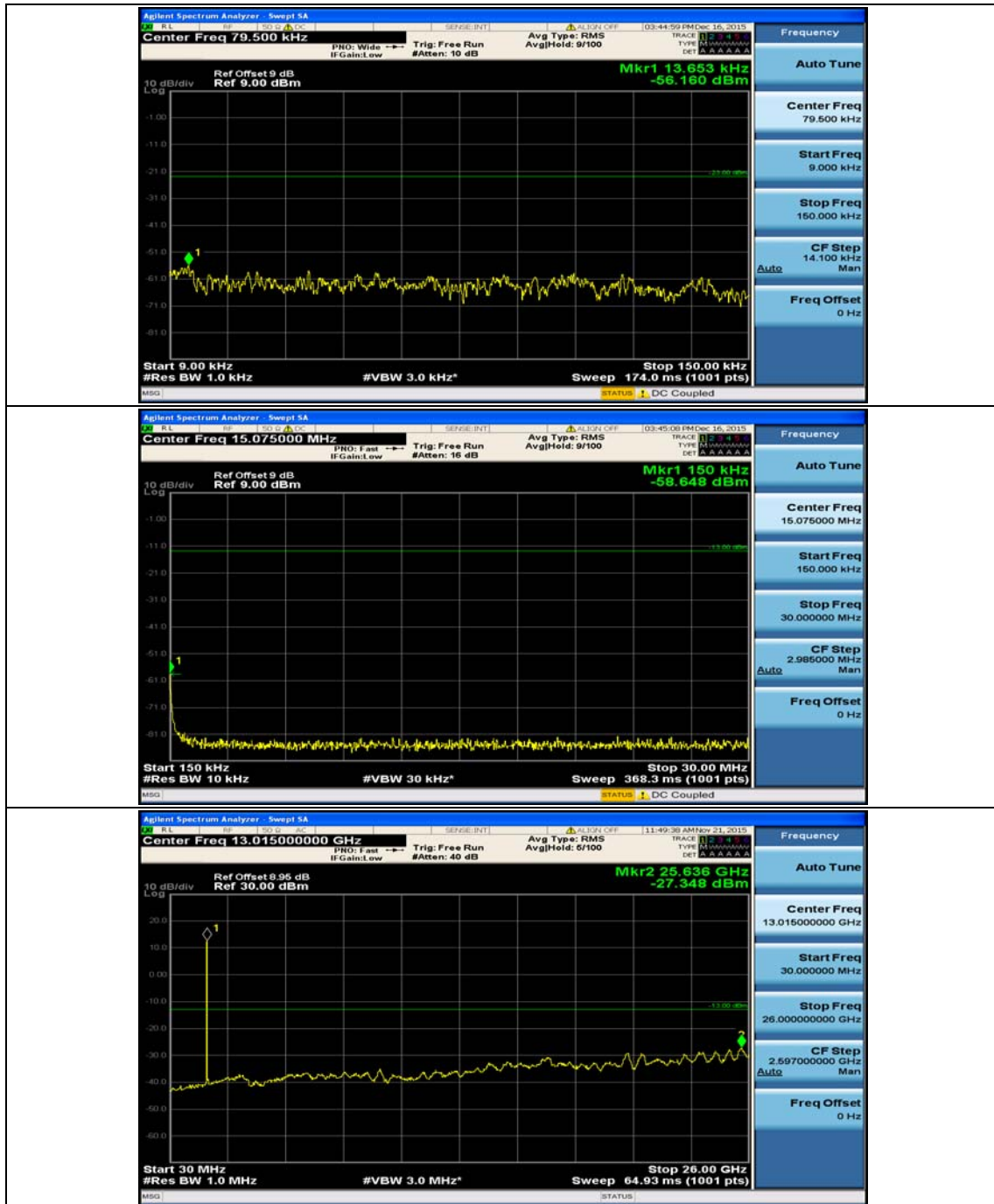


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

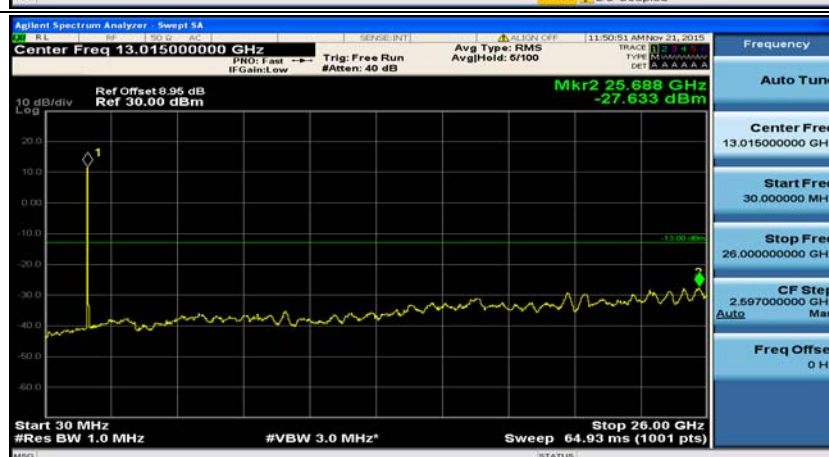
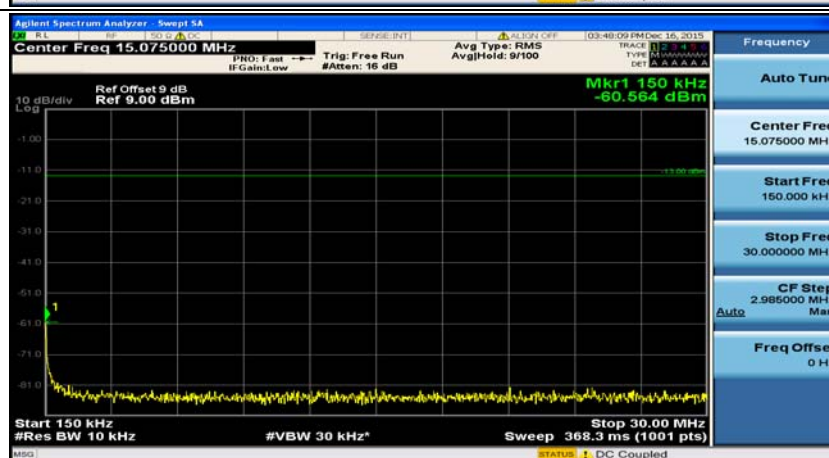
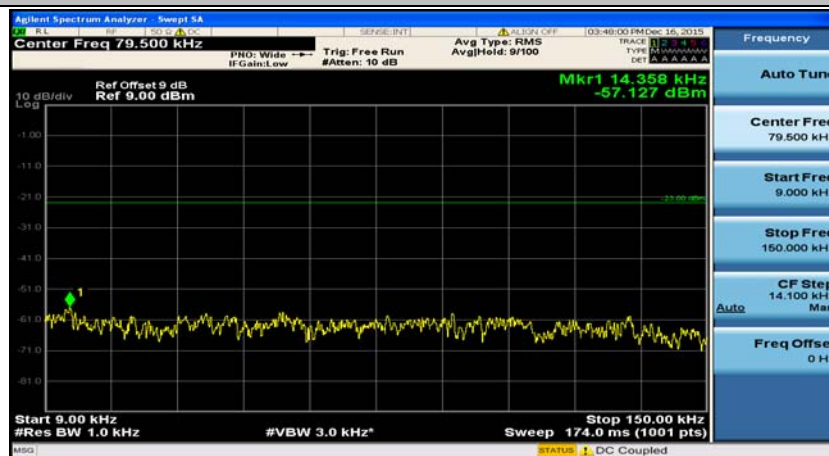


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

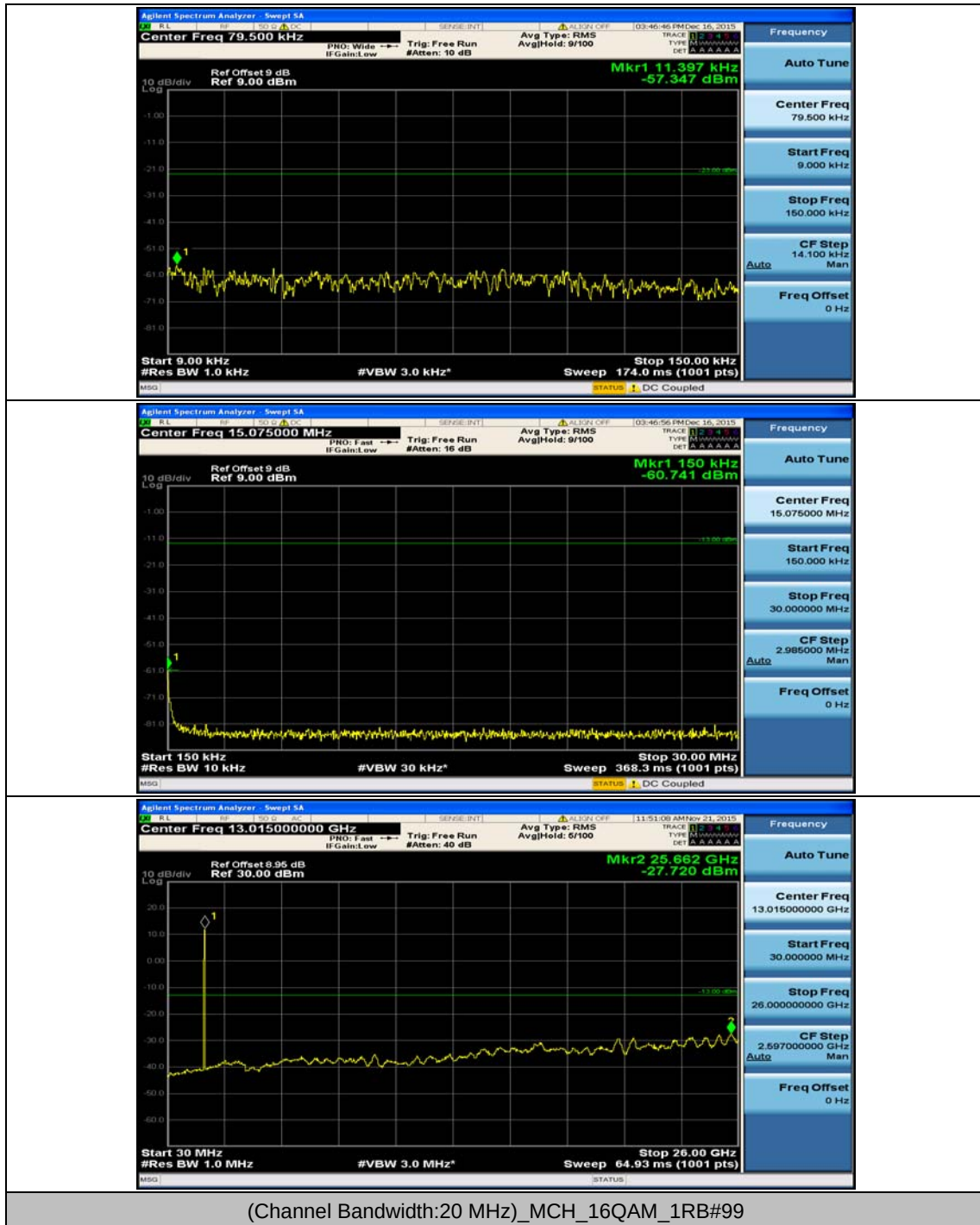


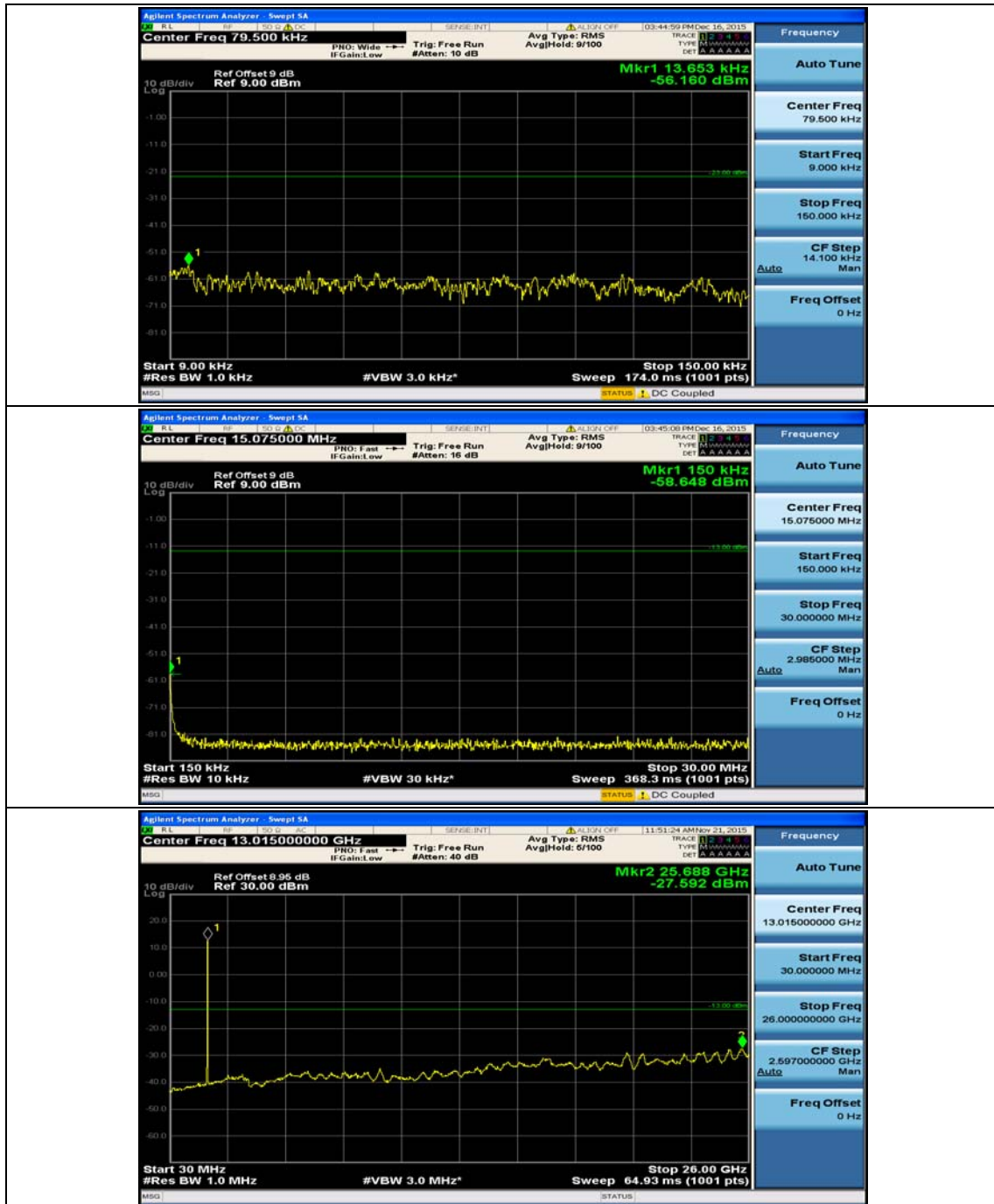


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

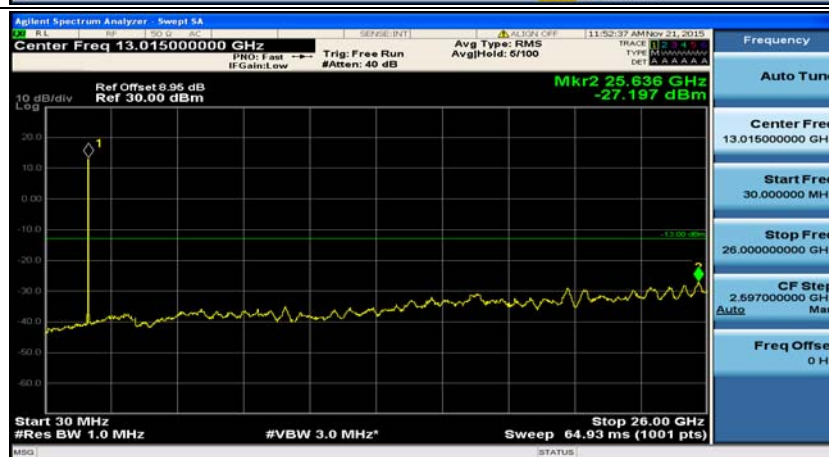
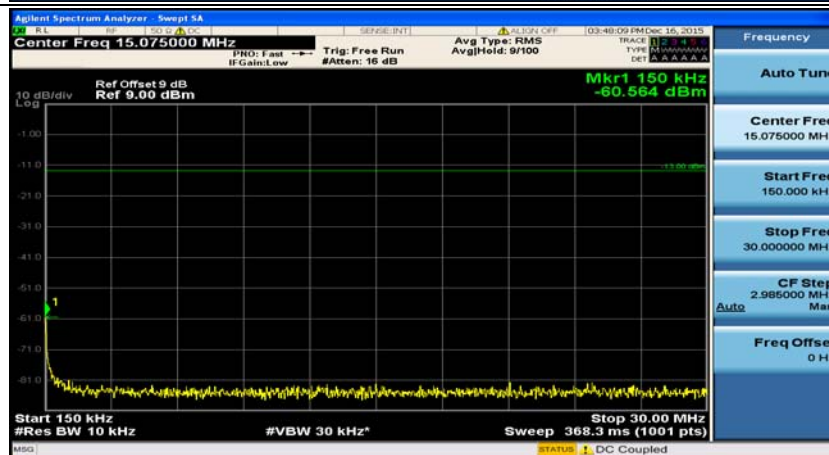


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

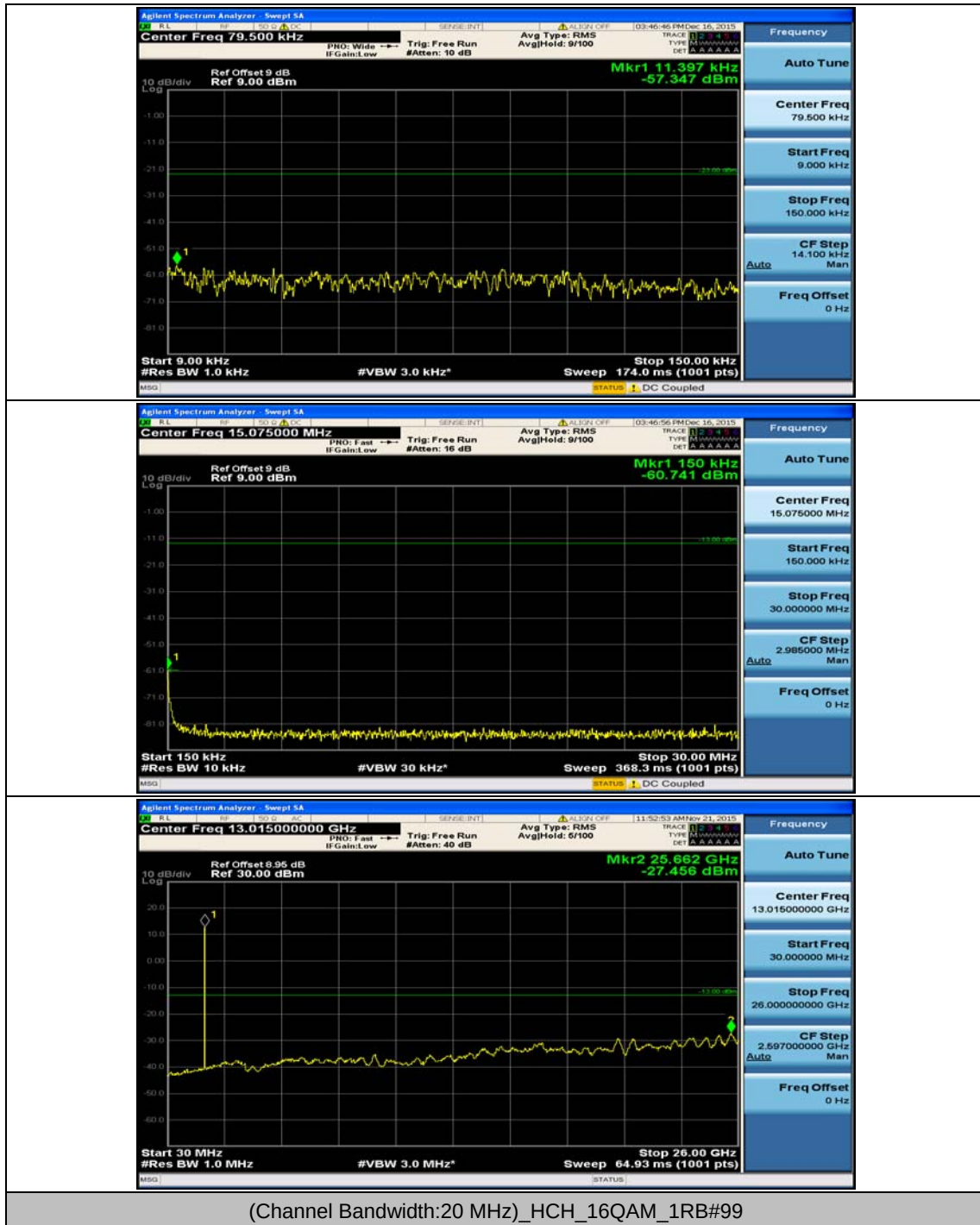


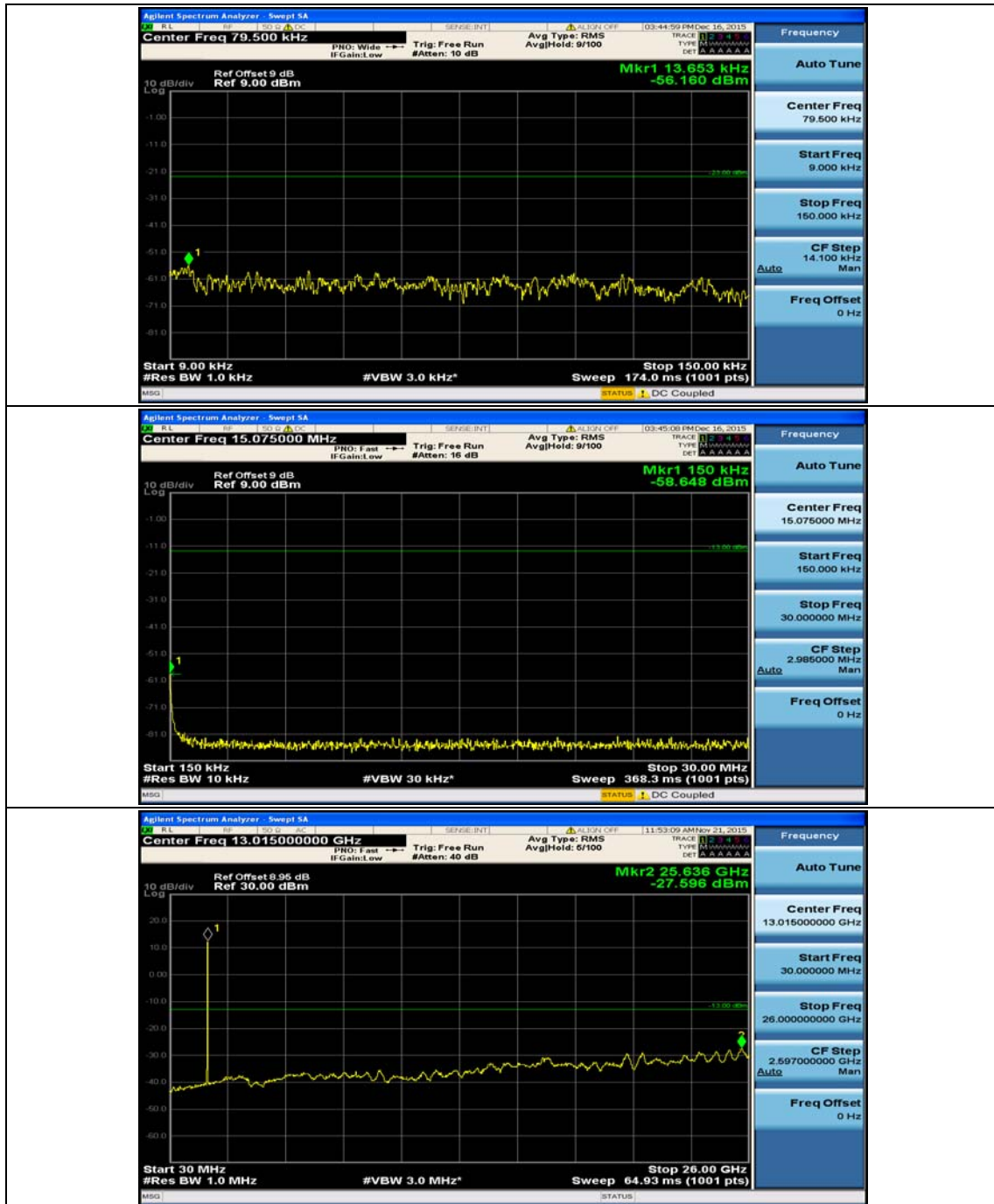


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.77	0.001037	± 2.5	PASS
		VN	TN	1.77	0.001037	± 2.5	PASS
		VH	TN	1.87	0.001082	± 2.5	PASS
	MCH	VL	TN	1.87	0.001082	± 2.5	PASS
		VN	TN	1.87	0.001082	± 2.5	PASS
		VH	TN	-3.76	-0.002145	± 2.5	PASS
	HCH	VL	TN	-3.76	-0.002145	± 2.5	PASS
		VN	TN	-3.76	-0.002145	± 2.5	PASS
		VH	TN	-0.94	-0.000552	± 2.5	PASS
16QAM	LCH	VL	TN	-0.94	-0.000552	± 2.5	PASS
		VN	TN	-0.94	-0.000552	± 2.5	PASS
		VH	TN	3.99	0.002304	± 2.5	PASS
	MCH	VL	TN	3.99	0.002304	± 2.5	PASS
		VN	TN	3.99	0.002304	± 2.5	PASS
		VH	TN	-1.24	-0.000709	± 2.5	PASS
	HCH	VL	TN	-1.24	-0.000709	± 2.5	PASS
		VN	TN	-1.24	-0.000709	± 2.5	PASS
		VH	TN	-1.24	-0.000709	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.30	0.000176	± 2.5	PASS
		VN	-20	0.30	0.000176	± 2.5	PASS
		VN	-10	0.79	0.000460	± 2.5	PASS
		VN	0	0.79	0.000460	± 2.5	PASS
		VN	10	0.79	0.000460	± 2.5	PASS
		VN	20	0.30	0.000176	± 2.5	PASS
		VN	30	0.79	0.000460	± 2.5	PASS
		VN	40	1.52	0.000886	± 2.5	PASS
		VN	50	1.70	0.000995	± 2.5	PASS
	MCH	VN	-30	1.70	0.000995	± 2.5	PASS
		VN	-20	1.70	0.000995	± 2.5	PASS
		VN	-10	1.70	0.000995	± 2.5	PASS
		VN	0	1.70	0.000995	± 2.5	PASS
		VN	10	1.70	0.000995	± 2.5	PASS
VN	20	3.05	0.001759	± 2.5	PASS		
VN	30	2.83	0.001635	± 2.5	PASS		

		VN	40	3.03	0.001750	± 2.5	PASS
		VN	50	3.81	0.002196	± 2.5	PASS
	HCH	VN	-30	3.81	0.002196	± 2.5	PASS
		VN	-20	3.81	0.002196	± 2.5	PASS
		VN	-10	3.81	0.002196	± 2.5	PASS
		VN	0	3.81	0.002196	± 2.5	PASS
		VN	10	-3.76	-0.002145	± 2.5	PASS
		VN	20	-3.76	-0.002145	± 2.5	PASS
		VN	30	-3.73	-0.002128	± 2.5	PASS
		VN	40	-0.92	-0.000522	± 2.5	PASS
		VN	50	-3.03	-0.001729	± 2.5	PASS
16QAM	LCH	VN	-30	-3.03	-0.001729	± 2.5	PASS
		VN	-20	-3.03	-0.001729	± 2.5	PASS
		VN	-10	-3.03	-0.001729	± 2.5	PASS
		VN	0	1.76	0.001029	± 2.5	PASS
		VN	10	1.76	0.001029	± 2.5	PASS
		VN	20	1.76	0.001029	± 2.5	PASS
		VN	30	-1.07	-0.000627	± 2.5	PASS
		VN	40	0.41	0.000243	± 2.5	PASS
		VN	50	0.26	0.000151	± 2.5	PASS
	MCH	VN	-30	0.26	0.000151	± 2.5	PASS
		VN	-20	0.26	0.000151	± 2.5	PASS
		VN	-10	0.26	0.000151	± 2.5	PASS
		VN	0	1.17	0.000677	± 2.5	PASS
		VN	10	1.17	0.000677	± 2.5	PASS
		VN	20	1.17	0.000677	± 2.5	PASS
		VN	30	2.26	0.001305	± 2.5	PASS
		VN	40	1.04	0.000603	± 2.5	PASS
		VN	50	3.05	0.001759	± 2.5	PASS
	HCH	VN	-30	3.05	0.001759	± 2.5	PASS
		VN	-20	3.05	0.001759	± 2.5	PASS
		VN	-10	3.05	0.001759	± 2.5	PASS
		VN	0	-3.89	-0.002218	± 2.5	PASS
		VN	10	-3.89	-0.002218	± 2.5	PASS
		VN	20	-3.89	-0.002218	± 2.5	PASS
		VN	30	-4.35	-0.002479	± 2.5	PASS
		VN	40	-3.82	-0.002177	± 2.5	PASS
		VN	50	-4.62	-0.002634	± 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	-0.40	-0.000231	± 2.5	PASS
		VN	TN	-0.40	-0.000231	± 2.5	PASS
		VH	TN	-0.40	-0.000231	± 2.5	PASS
	MCH	VL	TN	-0.40	-0.000231	± 2.5	PASS

		VN	TN	-0.40	-0.000231	± 2.5	PASS
		VH	TN	-2.37	-0.001354	± 2.5	PASS
	HCH	VL	TN	-2.37	-0.001354	± 2.5	PASS
		VN	TN	-2.37	-0.001354	± 2.5	PASS
		VH	TN	1.22	0.000710	± 2.5	PASS
16QAM	LCH	VL	TN	1.22	0.000710	± 2.5	PASS
		VN	TN	1.22	0.000710	± 2.5	PASS
		VH	TN	0.60	0.000347	± 2.5	PASS
	MCH	VL	TN	0.60	0.000347	± 2.5	PASS
		VN	TN	0.60	0.000347	± 2.5	PASS
		VH	TN	-0.34	-0.000196	± 2.5	PASS
	HCH	VL	TN	-0.34	-0.000196	± 2.5	PASS
		VN	TN	-0.34	-0.000196	± 2.5	PASS
		VH	TN	-0.34	-0.000196	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.66	0.000384	± 2.5	PASS
		VN	-20	0.53	0.000309	± 2.5	PASS
		VN	-10	0.66	0.000384	± 2.5	PASS
		VN	0	0.82	0.000476	± 2.5	PASS
		VN	10	0.82	0.000476	± 2.5	PASS
		VN	20	0.82	0.000476	± 2.5	PASS
		VN	30	0.66	0.000384	± 2.5	PASS
		VN	40	0.53	0.000309	± 2.5	PASS
		VN	50	-1.19	-0.000694	± 2.5	PASS
	MCH	VN	-30	-1.19	-0.000694	± 2.5	PASS
		VN	-20	-1.19	-0.000694	± 2.5	PASS
		VN	-10	-0.17	-0.000099	± 2.5	PASS
		VN	0	-0.17	-0.000099	± 2.5	PASS
		VN	10	-0.17	-0.000099	± 2.5	PASS
		VN	20	-0.17	-0.000099	± 2.5	PASS
		VN	30	1.44	0.000834	± 2.5	PASS
		VN	40	0.59	0.000339	± 2.5	PASS
		VN	50	1.40	0.000809	± 2.5	PASS
	HCH	VN	-30	1.40	0.000809	± 2.5	PASS
		VN	-20	1.40	0.000809	± 2.5	PASS
		VN	-10	1.40	0.000809	± 2.5	PASS
		VN	0	-1.53	-0.000873	± 2.5	PASS
		VN	10	-1.53	-0.000873	± 2.5	PASS
		VN	20	-1.53	-0.000873	± 2.5	PASS
		VN	30	-2.15	-0.001224	± 2.5	PASS
		VN	40	-2.27	-0.001297	± 2.5	PASS
		VN	50	-1.93	-0.001101	± 2.5	PASS
16QAM	LCH	VN	-30	-2.27	-0.001297	± 2.5	PASS
		VN	-20	-2.27	-0.001297	± 2.5	PASS
		VN	-10	-1.53	-0.000873	± 2.5	PASS
		VN	0	-1.53	-0.000873	± 2.5	PASS
		VN	10	-1.53	-0.000873	± 2.5	PASS
		VN	20	1.13	0.000660	± 2.5	PASS

		VN	30	1.36	0.000794	± 2.5	PASS
		VN	40	-0.43	-0.000251	± 2.5	PASS
		VN	50	-0.24	-0.000142	± 2.5	PASS
	MCH	VN	-30	-0.24	-0.000142	± 2.5	PASS
		VN	-20	-0.24	-0.000142	± 2.5	PASS
		VN	-10	-0.24	-0.000142	± 2.5	PASS
		VN	0	1.36	0.000794	± 2.5	PASS
		VN	10	1.36	0.000794	± 2.5	PASS
		VN	20	1.69	0.000974	± 2.5	PASS
		VN	30	4.01	0.002312	± 2.5	PASS
		VN	40	3.73	0.002155	± 2.5	PASS
		VN	50	0.01	0.000008	± 2.5	PASS
	HCH	VN	-30	0.01	0.000008	± 2.5	PASS
		VN	-20	0.01	0.000008	± 2.5	PASS
		VN	-10	0.01	0.000008	± 2.5	PASS
		VN	0	-1.87	-0.001069	± 2.5	PASS
		VN	10	-1.87	-0.001069	± 2.5	PASS
		VN	20	-2.39	-0.001362	± 2.5	PASS
		VN	30	-1.87	-0.001069	± 2.5	PASS
		VN	40	0.56	0.000318	± 2.5	PASS
		VN	50	-0.29	-0.000163	± 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	0.80	0.000468	± 2.5	PASS
		VN	TN	0.80	0.000468	± 2.5	PASS
		VH	TN	-0.30	-0.000173	± 2.5	PASS
	MCH	VL	TN	-0.30	-0.000173	± 2.5	PASS
		VN	TN	-0.30	-0.000173	± 2.5	PASS
		VH	TN	-0.30	-0.000173	± 2.5	PASS
	HCH	VL	TN	-0.30	-0.000173	± 2.5	PASS
		VN	TN	-1.75	-0.000996	± 2.5	PASS
		VH	TN	-1.75	-0.000996	± 2.5	PASS
16QAM	LCH	VL	TN	-1.75	-0.000996	± 2.5	PASS
		VN	TN	-0.87	-0.000510	± 2.5	PASS
		VH	TN	-0.87	-0.000510	± 2.5	PASS
	MCH	VL	TN	-0.87	-0.000510	± 2.5	PASS
		VN	TN	-1.99	-0.001148	± 2.5	PASS
		VH	TN	-1.99	-0.001148	± 2.5	PASS
	HCH	VL	TN	-1.99	-0.001148	± 2.5	PASS
		VN	TN	-1.63	-0.000931	± 2.5	PASS
		VH	TN	-1.63	-0.000931	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict

QPSK	LCH	VN	-30	1.96	0.001144	± 2.5	PASS
		VN	-20	1.96	0.001144	± 2.5	PASS
		VN	-10	1.96	0.001144	± 2.5	PASS
		VN	0	1.04	0.000610	± 2.5	PASS
		VN	10	1.04	0.000610	± 2.5	PASS
		VN	20	1.96	0.001144	± 2.5	PASS
		VN	30	1.04	0.000610	± 2.5	PASS
		VN	40	0.20	0.000117	± 2.5	PASS
		VN	50	0.92	0.000535	± 2.5	PASS
	MCH	VN	-30	0.92	0.000535	± 2.5	PASS
		VN	-20	0.92	0.000535	± 2.5	PASS
		VN	-10	0.92	0.000535	± 2.5	PASS
		VN	0	0.36	0.000206	± 2.5	PASS
		VN	10	0.36	0.000206	± 2.5	PASS
		VN	20	0.36	0.000206	± 2.5	PASS
		VN	30	-1.59	-0.000917	± 2.5	PASS
		VN	40	1.19	0.000685	± 2.5	PASS
		VN	50	-0.37	-0.000215	± 2.5	PASS
	HCH	VN	-30	-0.37	-0.000215	± 2.5	PASS
		VN	-20	-0.37	-0.000215	± 2.5	PASS
		VN	-10	-0.37	-0.000215	± 2.5	PASS
		VN	0	-2.05	-0.001167	± 2.5	PASS
		VN	10	-2.05	-0.001167	± 2.5	PASS
		VN	20	-2.05	-0.001167	± 2.5	PASS
		VN	30	1.40	0.000800	± 2.5	PASS
		VN	40	-0.54	-0.000310	± 2.5	PASS
		VN	50	-0.44	-0.000253	± 2.5	PASS
16QAM	LCH	VN	-30	-0.44	-0.000253	± 2.5	PASS
		VN	-20	-0.44	-0.000253	± 2.5	PASS
		VN	-10	-0.44	-0.000253	± 2.5	PASS
		VN	0	0.39	0.000226	± 2.5	PASS
		VN	10	0.39	0.000226	± 2.5	PASS
		VN	20	0.39	0.000226	± 2.5	PASS
		VN	30	1.50	0.000877	± 2.5	PASS
		VN	40	1.06	0.000618	± 2.5	PASS
		VN	50	-0.83	-0.000484	± 2.5	PASS
	MCH	VN	-30	-0.83	-0.000484	± 2.5	PASS
		VN	-20	-0.83	-0.000484	± 2.5	PASS
		VN	-10	-0.83	-0.000484	± 2.5	PASS
		VN	0	1.03	0.000594	± 2.5	PASS
		VN	10	1.03	0.000594	± 2.5	PASS
		VN	20	1.03	0.000594	± 2.5	PASS
		VN	30	-2.35	-0.001354	± 2.5	PASS
		VN	40	0.26	0.000149	± 2.5	PASS
		VN	50	0.21	0.000124	± 2.5	PASS
	HCH	VN	-30	0.21	0.000124	± 2.5	PASS
		VN	-20	0.21	0.000124	± 2.5	PASS
		VN	-10	-0.24	-0.000139	± 2.5	PASS
		VN	0	-0.24	-0.000139	± 2.5	PASS
		VN	10	-0.24	-0.000139	± 2.5	PASS

		VN	20	-0.24	-0.000139	± 2.5	PASS
		VN	30	-0.14	-0.000082	± 2.5	PASS
		VN	40	0.21	0.000122	± 2.5	PASS
		VN	50	0.62	0.000351	± 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	-3.08	-0.001793	± 2.5	PASS
		VN	TN	-3.08	-0.001793	± 2.5	PASS
		VH	TN	-1.34	-0.000776	± 2.5	PASS
	MCH	VL	TN	-1.34	-0.000776	± 2.5	PASS
		VN	TN	-1.34	-0.000776	± 2.5	PASS
		VH	TN	-1.34	-0.000776	± 2.5	PASS
	HCH	VL	TN	-1.34	-0.000776	± 2.5	PASS
		VN	TN	-0.86	-0.000490	± 2.5	PASS
		VH	TN	-0.86	-0.000490	± 2.5	PASS
16QAM	LCH	VL	TN	-0.86	-0.000490	± 2.5	PASS
		VN	TN	-2.55	-0.001485	± 2.5	PASS
		VH	TN	-2.55	-0.001485	± 2.5	PASS
	MCH	VL	TN	-2.55	-0.001485	± 2.5	PASS
		VN	TN	-2.52	-0.001453	± 2.5	PASS
		VH	TN	-2.52	-0.001453	± 2.5	PASS
	HCH	VL	TN	-2.52	-0.001453	± 2.5	PASS
		VN	TN	-0.74	-0.000425	± 2.5	PASS
		VH	TN	-0.74	-0.000425	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-0.74	-0.000425	± 2.5	PASS
		VN	-20	-0.74	-0.000425	± 2.5	PASS
		VN	-10	-0.74	-0.000425	± 2.5	PASS
		VN	0	-2.85	-0.001660	± 2.5	PASS
		VN	10	-2.85	-0.001660	± 2.5	PASS
		VN	20	-2.85	-0.001660	± 2.5	PASS
		VN	30	-3.05	-0.001777	± 2.5	PASS
		VN	40	-3.18	-0.001852	± 2.5	PASS
		VN	50	-2.32	-0.001351	± 2.5	PASS
	MCH	VN	-30	-2.32	-0.001351	± 2.5	PASS
		VN	-20	-2.32	-0.001351	± 2.5	PASS
		VN	-10	-2.32	-0.001351	± 2.5	PASS
		VN	0	-2.32	-0.001351	± 2.5	PASS
		VN	10	-2.32	-0.001351	± 2.5	PASS
		VN	20	-1.50	-0.000867	± 2.5	PASS
VN		30	-0.57	-0.000330	± 2.5	PASS	
VN	40	0.04	0.000025	± 2.5	PASS		

	HCH	VN	50	-1.42	-0.000817	± 2.5	PASS
		VN	-30	-1.42	-0.000817	± 2.5	PASS
		VN	-20	-1.42	-0.000817	± 2.5	PASS
		VN	-10	-1.42	-0.000817	± 2.5	PASS
		VN	0	-2.43	-0.001390	± 2.5	PASS
		VN	10	-2.43	-0.001390	± 2.5	PASS
		VN	20	-2.43	-0.001390	± 2.5	PASS
		VN	30	-1.76	-0.001005	± 2.5	PASS
		VN	40	-2.40	-0.001373	± 2.5	PASS
		VN	50	-2.15	-0.001226	± 2.5	PASS
QPSK	LCH	VN	-30	-2.15	-0.001226	± 2.5	PASS
		VN	-20	-2.15	-0.001226	± 2.5	PASS
		VN	-10	-2.15	-0.001226	± 2.5	PASS
		VN	0	-3.45	-0.002010	± 2.5	PASS
		VN	10	-3.45	-0.002010	± 2.5	PASS
		VN	20	-3.45	-0.002010	± 2.5	PASS
		VN	30	-3.86	-0.002252	± 2.5	PASS
		VN	40	-3.65	-0.002127	± 2.5	PASS
		VN	50	-3.05	-0.001777	± 2.5	PASS
	MCH	VN	-30	-3.05	-0.001777	± 2.5	PASS
		VN	-20	-3.86	-0.002252	± 2.5	PASS
		VN	-10	-3.05	-0.001777	± 2.5	PASS
		VN	0	-3.86	-0.002252	± 2.5	PASS
		VN	10	-3.86	-0.002252	± 2.5	PASS
		VN	20	-2.23	-0.001288	± 2.5	PASS
		VN	30	-2.45	-0.001412	± 2.5	PASS
		VN	40	-2.92	-0.001684	± 2.5	PASS
		VN	50	-1.34	-0.000776	± 2.5	PASS
	HCH	VN	-30	-1.34	-0.000776	± 2.5	PASS
		VN	-20	-1.34	-0.000776	± 2.5	PASS
		VN	-10	-1.34	-0.000776	± 2.5	PASS
		VN	0	-1.34	-0.000776	± 2.5	PASS
		VN	10	-1.34	-0.000776	± 2.5	PASS
		VN	20	-0.41	-0.000237	± 2.5	PASS
		VN	30	-1.16	-0.000662	± 2.5	PASS
		VN	40	-0.01	-0.000008	± 2.5	PASS
		VN	50	-0.73	-0.000417	± 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	0.34	0.000198	± 2.5	PASS
		VN	TN	-3.22	-0.001874	± 2.5	PASS
		VH	TN	0.34	0.000198	± 2.5	PASS
	MCH	VL	TN	0.34	0.000198	± 2.5	PASS
		VN	TN	0.34	0.000198	± 2.5	PASS

		VH	TN	0.34	0.000198	± 2.5	PASS
	HCH	VL	TN	0.34	0.000198	± 2.5	PASS
		VN	TN	-0.24	-0.000139	± 2.5	PASS
		VH	TN	-0.24	-0.000139	± 2.5	PASS
16QAM	LCH	VL	TN	-0.24	-0.000139	± 2.5	PASS
		VN	TN	-3.99	-0.002324	± 2.5	PASS
		VH	TN	-3.99	-0.002324	± 2.5	PASS
	MCH	VL	TN	-3.99	-0.002324	± 2.5	PASS
		VN	TN	1.49	0.000859	± 2.5	PASS
		VH	TN	1.49	0.000859	± 2.5	PASS
	HCH	VL	TN	1.49	0.000859	± 2.5	PASS
		VN	TN	-0.43	-0.000246	± 2.5	PASS
		VH	TN	-0.43	-0.000246	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-3.45	-0.002007	± 2.5	PASS
		VN	-20	-5.08	-0.002957	± 2.5	PASS
		VN	-10	-3.45	-0.002007	± 2.5	PASS
		VN	0	-3.45	-0.002007	± 2.5	PASS
		VN	10	-3.45	-0.002007	± 2.5	PASS
		VN	20	-5.08	-0.002957	± 2.5	PASS
		VN	30	-3.85	-0.002241	± 2.5	PASS
		VN	40	-3.45	-0.002007	± 2.5	PASS
		VN	50	-3.88	-0.002257	± 2.5	PASS
	MCH	VN	-30	-3.88	-0.002257	± 2.5	PASS
		VN	-20	-3.88	-0.002257	± 2.5	PASS
		VN	-10	-3.88	-0.002257	± 2.5	PASS
		VN	0	-3.88	-0.002257	± 2.5	PASS
		VN	10	-3.88	-0.002257	± 2.5	PASS
		VN	20	0.79	0.000454	± 2.5	PASS
		VN	30	1.33	0.000768	± 2.5	PASS
		VN	40	0.24	0.000140	± 2.5	PASS
		VN	50	0.43	0.000248	± 2.5	PASS
	HCH	VN	-30	0.43	0.000248	± 2.5	PASS
		VN	-20	0.43	0.000248	± 2.5	PASS
		VN	-10	0.43	0.000248	± 2.5	PASS
		VN	0	0.43	0.000248	± 2.5	PASS
		VN	10	0.43	0.000248	± 2.5	PASS
		VN	20	-0.13	-0.000074	± 2.5	PASS
		VN	30	-0.99	-0.000565	± 2.5	PASS
		VN	40	-0.47	-0.000270	± 2.5	PASS
		VN	50	-0.67	-0.000385	± 2.5	PASS
QPSK	LCH	VN	-30	-0.67	-0.000385	± 2.5	PASS
		VN	-20	-0.67	-0.000385	± 2.5	PASS
		VN	-10	-0.67	-0.000385	± 2.5	PASS
		VN	0	-0.67	-0.000385	± 2.5	PASS
		VN	10	-4.33	-0.002524	± 2.5	PASS
		VN	20	-4.33	-0.002524	± 2.5	PASS
		VN	30	-3.69	-0.002149	± 2.5	PASS

		VN	40	-3.19	-0.001857	± 2.5	PASS
		VN	50	-3.88	-0.002257	± 2.5	PASS
	MCH	VN	-30	-3.88	-0.002257	± 2.5	PASS
		VN	-20	-3.88	-0.002257	± 2.5	PASS
		VN	-10	-3.88	-0.002257	± 2.5	PASS
		VN	0	-3.88	-0.002257	± 2.5	PASS
		VN	10	-3.88	-0.002257	± 2.5	PASS
		VN	20	0.50	0.000289	± 2.5	PASS
		VN	30	1.17	0.000677	± 2.5	PASS
		VN	40	0.63	0.000363	± 2.5	PASS
		VN	50	1.80	0.001040	± 2.5	PASS
		VN	-30	1.80	0.001040	± 2.5	PASS
	HCH	VN	-20	1.80	0.001040	± 2.5	PASS
		VN	-10	1.80	0.001040	± 2.5	PASS
		VN	0	1.80	0.001040	± 2.5	PASS
		VN	10	-0.74	-0.000426	± 2.5	PASS
		VN	20	-0.74	-0.000426	± 2.5	PASS
		VN	30	-1.69	-0.000966	± 2.5	PASS
		VN	40	0.06	0.000033	± 2.5	PASS
		VN	50	-0.43	-0.000246	± 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	0.29	0.000166	± 2.5	PASS
		VN	TN	0.29	0.000166	± 2.5	PASS
		VH	TN	2.40	0.001387	± 2.5	PASS
	MCH	VL	TN	2.40	0.001387	± 2.5	PASS
		VN	TN	2.40	0.001387	± 2.5	PASS
		VH	TN	2.40	0.001387	± 2.5	PASS
	HCH	VL	TN	2.40	0.001387	± 2.5	PASS
		VN	TN	0.51	0.000295	± 2.5	PASS
		VH	TN	0.51	0.000295	± 2.5	PASS
16QAM	LCH	VL	TN	0.51	0.000295	± 2.5	PASS
		VN	TN	1.30	0.000757	± 2.5	PASS
		VH	TN	1.30	0.000757	± 2.5	PASS
	MCH	VL	TN	1.30	0.000757	± 2.5	PASS
		VN	TN	2.20	0.001272	± 2.5	PASS
		VH	TN	2.20	0.001272	± 2.5	PASS
	HCH	VL	TN	2.20	0.001272	± 2.5	PASS
		VN	TN	0.83	0.000475	± 2.5	PASS
		VH	TN	2.20	0.001272	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.57	0.000333	± 2.5	PASS

		VN	-20	0.57	0.000333	± 2.5	PASS
		VN	-10	0.57	0.000333	± 2.5	PASS
		VN	0	0.57	0.000333	± 2.5	PASS
		VN	10	0.57	0.000333	± 2.5	PASS
		VN	20	0.57	0.000333	± 2.5	PASS
		VN	30	-0.03	-0.000017	± 2.5	PASS
		VN	40	-0.43	-0.000250	± 2.5	PASS
		VN	50	0.10	0.000058	± 2.5	PASS
	MCH	VN	-30	0.10	0.000058	± 2.5	PASS
		VN	-20	0.10	0.000058	± 2.5	PASS
		VN	-10	0.10	0.000058	± 2.5	PASS
		VN	0	0.10	0.000058	± 2.5	PASS
		VN	10	0.10	0.000058	± 2.5	PASS
		VN	20	1.99	0.001148	± 2.5	PASS
		VN	30	2.52	0.001453	± 2.5	PASS
		VN	40	2.03	0.001172	± 2.5	PASS
		VN	50	2.03	0.001172	± 2.5	PASS
	HCH	VN	-30	0.10	0.000058	± 2.5	PASS
		VN	-20	0.10	0.000058	± 2.5	PASS
		VN	-10	0.10	0.000058	± 2.5	PASS
		VN	0	0.10	0.000058	± 2.5	PASS
		VN	10	1.76	0.001008	± 2.5	PASS
		VN	20	1.76	0.001008	± 2.5	PASS
		VN	30	1.13	0.000648	± 2.5	PASS
		VN	40	0.56	0.000320	± 2.5	PASS
		VN	50	0.60	0.000344	± 2.5	PASS
QPSK	LCH	VN	-30	0.60	0.000344	± 2.5	PASS
		VN	-20	0.60	0.000344	± 2.5	PASS
		VN	-10	0.60	0.000344	± 2.5	PASS
		VN	0	0.60	0.000344	± 2.5	PASS
		VN	10	-0.06	-0.000033	± 2.5	PASS
		VN	20	-0.06	-0.000033	± 2.5	PASS
		VN	30	1.13	0.000657	± 2.5	PASS
		VN	40	1.14	0.000665	± 2.5	PASS
		VN	50	0.73	0.000424	± 2.5	PASS
	MCH	VN	-30	0.73	0.000424	± 2.5	PASS
		VN	-20	0.73	0.000424	± 2.5	PASS
		VN	-10	0.73	0.000424	± 2.5	PASS
		VN	0	0.73	0.000424	± 2.5	PASS
		VN	10	0.73	0.000424	± 2.5	PASS
		VN	20	2.83	0.001635	± 2.5	PASS
		VN	30	3.16	0.001825	± 2.5	PASS
		VN	40	2.20	0.001272	± 2.5	PASS
		VN	50	3.79	0.002188	± 2.5	PASS
	HCH	VN	-30	3.79	0.002188	± 2.5	PASS
		VN	-20	3.79	0.002188	± 2.5	PASS
		VN	-10	0.53	0.000303	± 2.5	PASS
		VN	0	3.79	0.002188	± 2.5	PASS
		VN	10	3.79	0.002188	± 2.5	PASS
		VN	20	0.53	0.000303	± 2.5	PASS

		VN	30	1.14	0.000656	± 2.5	PASS
		VN	40	1.63	0.000935	± 2.5	PASS
		VN	50	1.13	0.000648	± 2.5	PASS