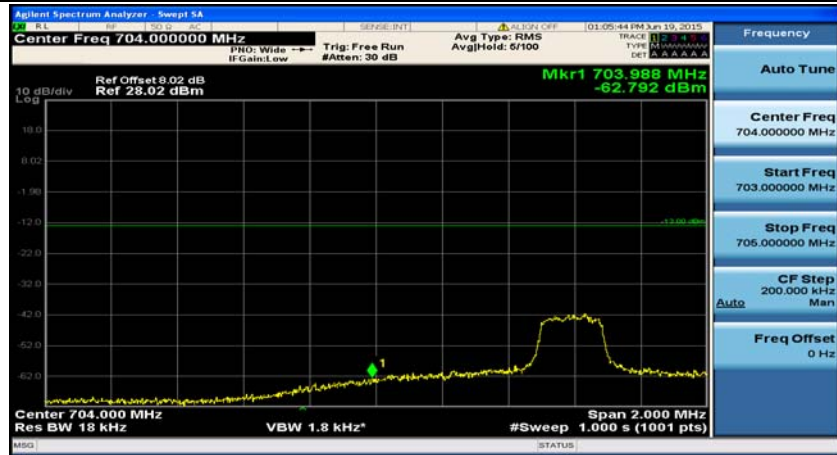
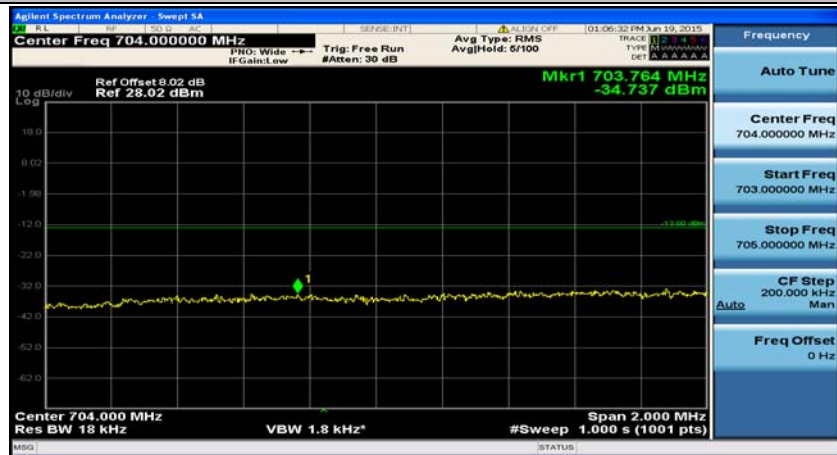




Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



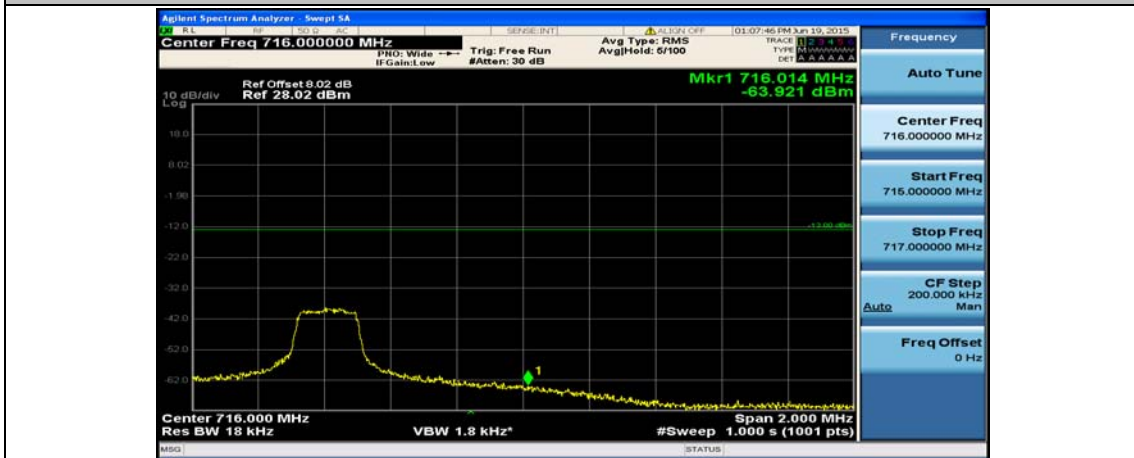
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



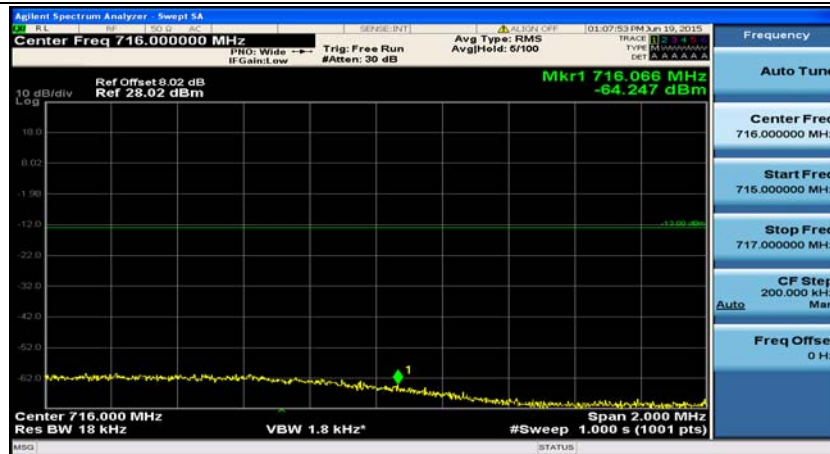
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



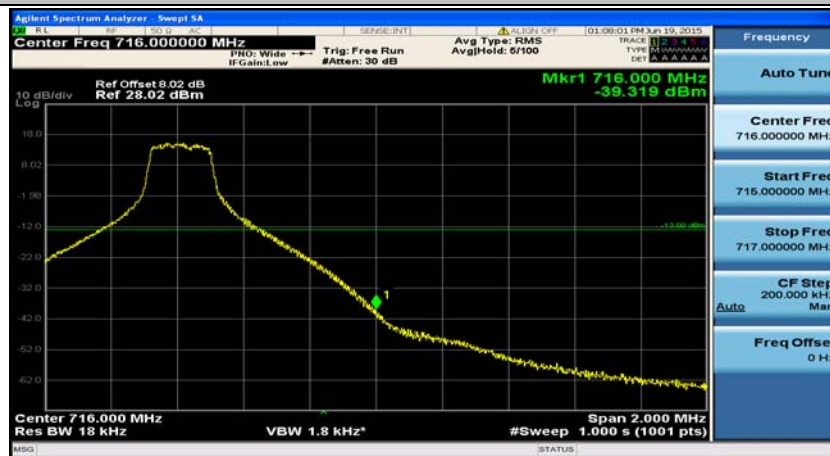
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



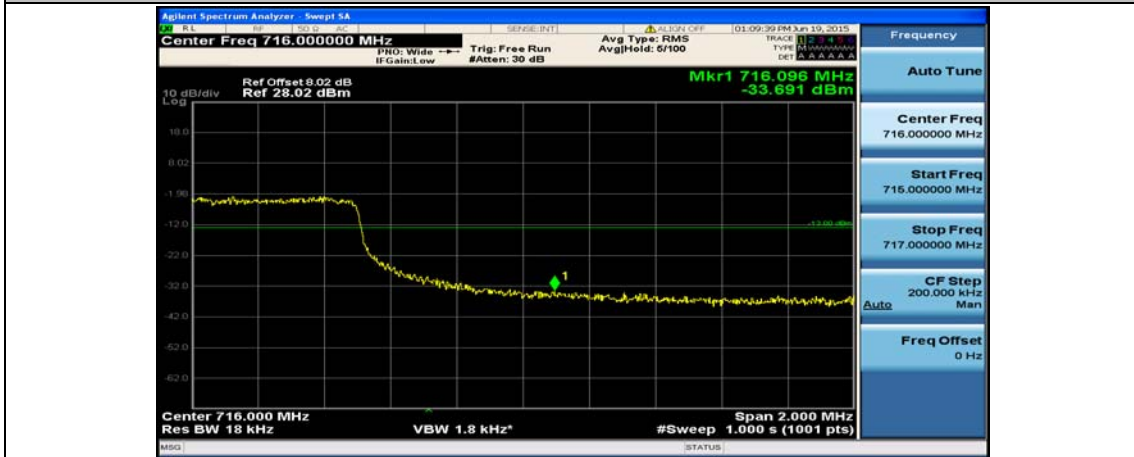
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



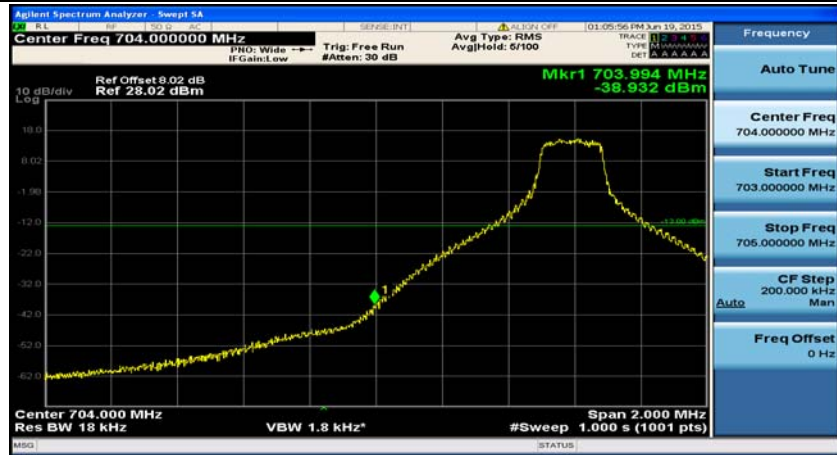
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



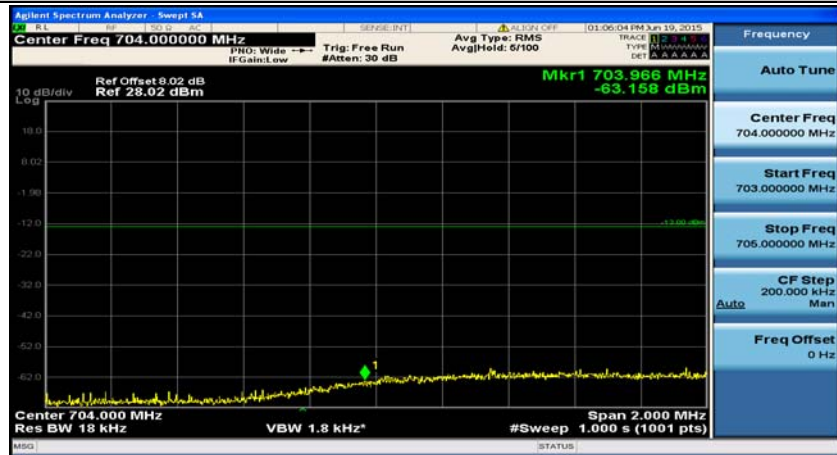
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



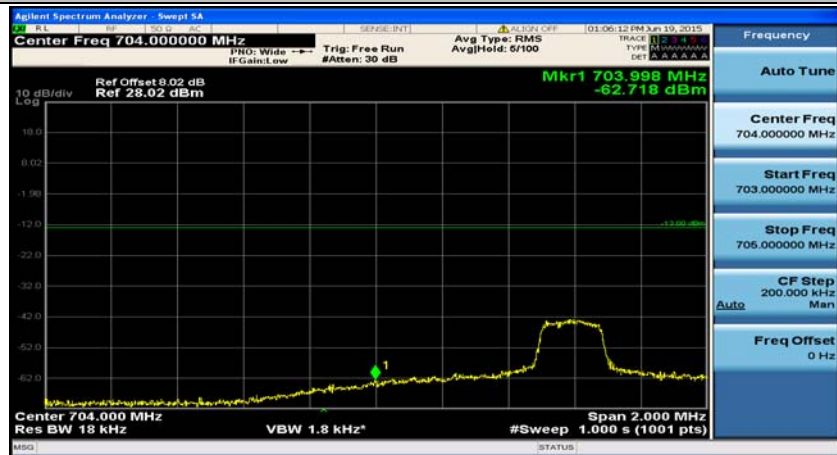
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



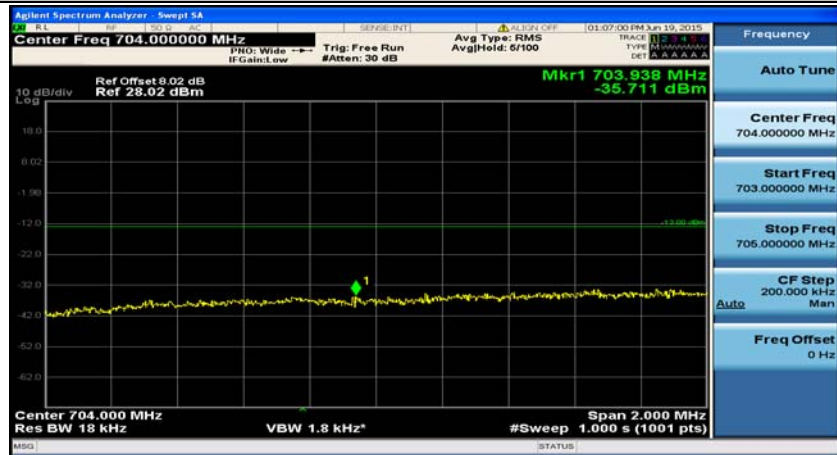
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



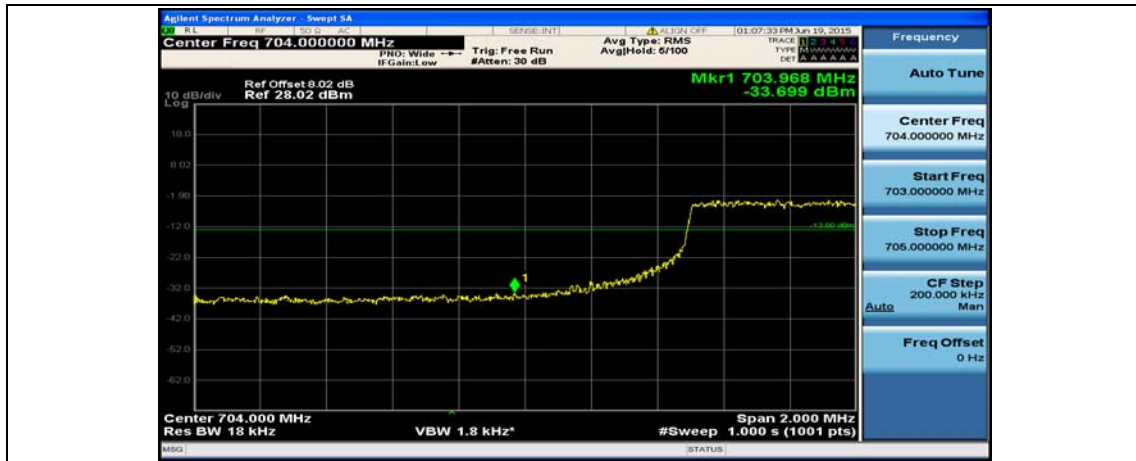
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



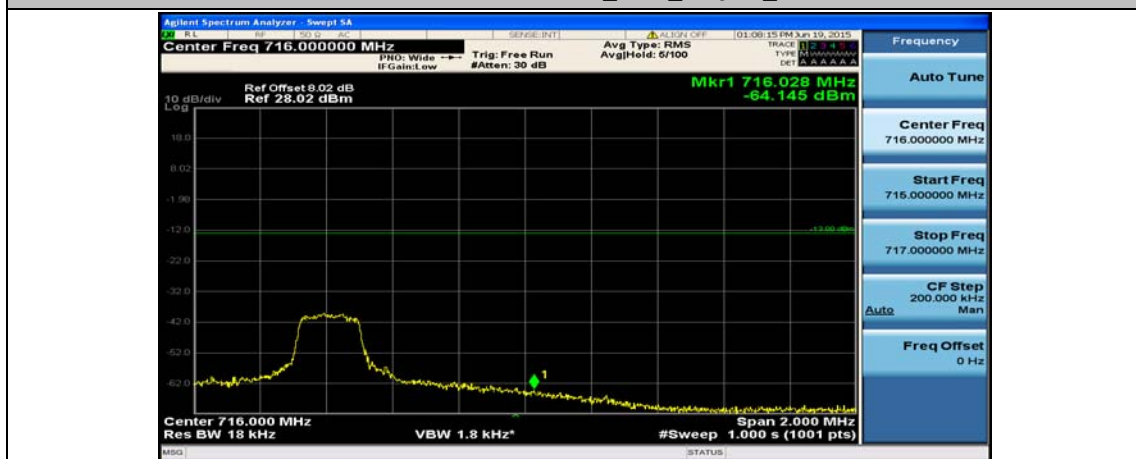
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



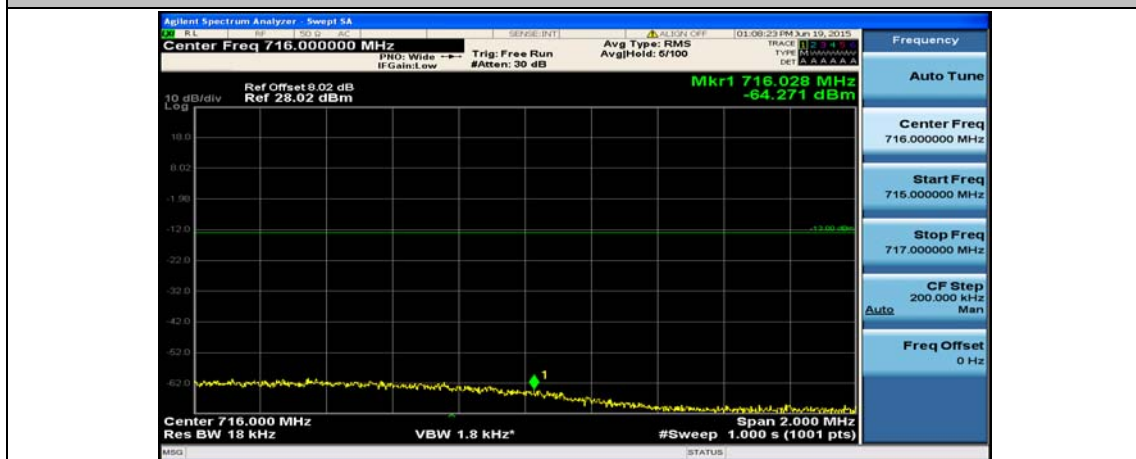
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



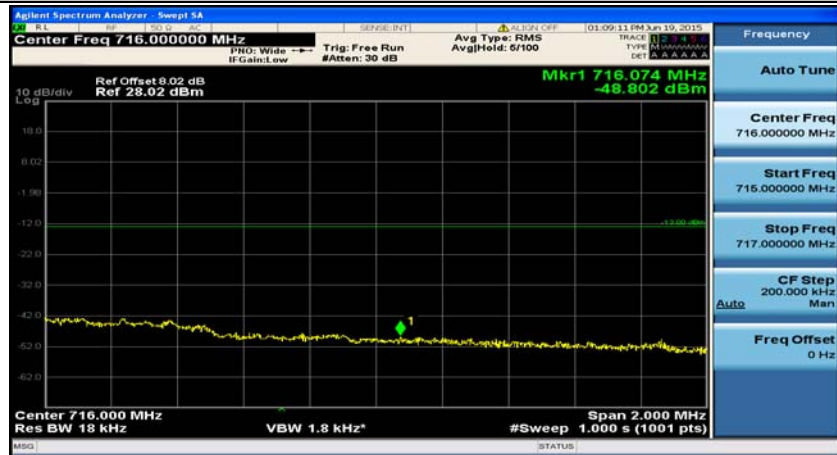
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



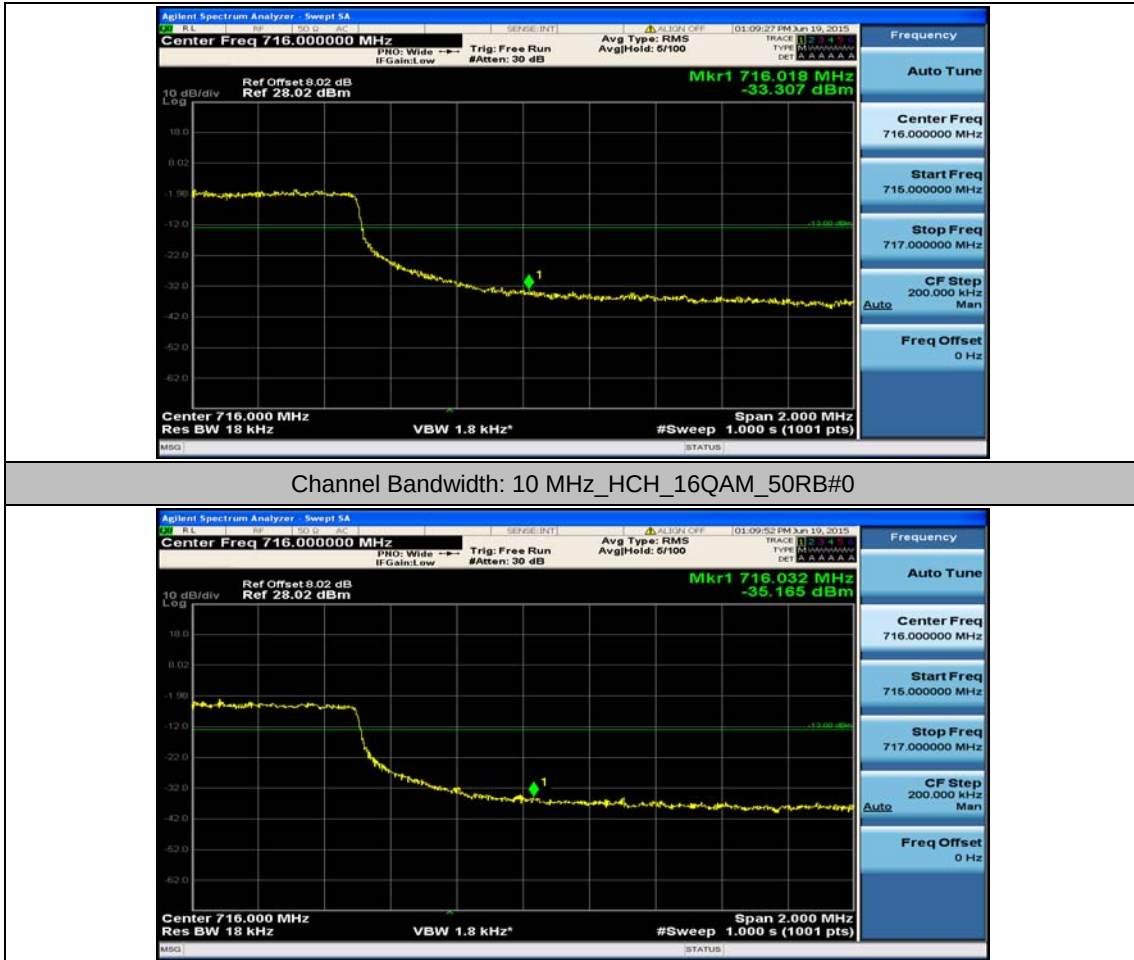
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



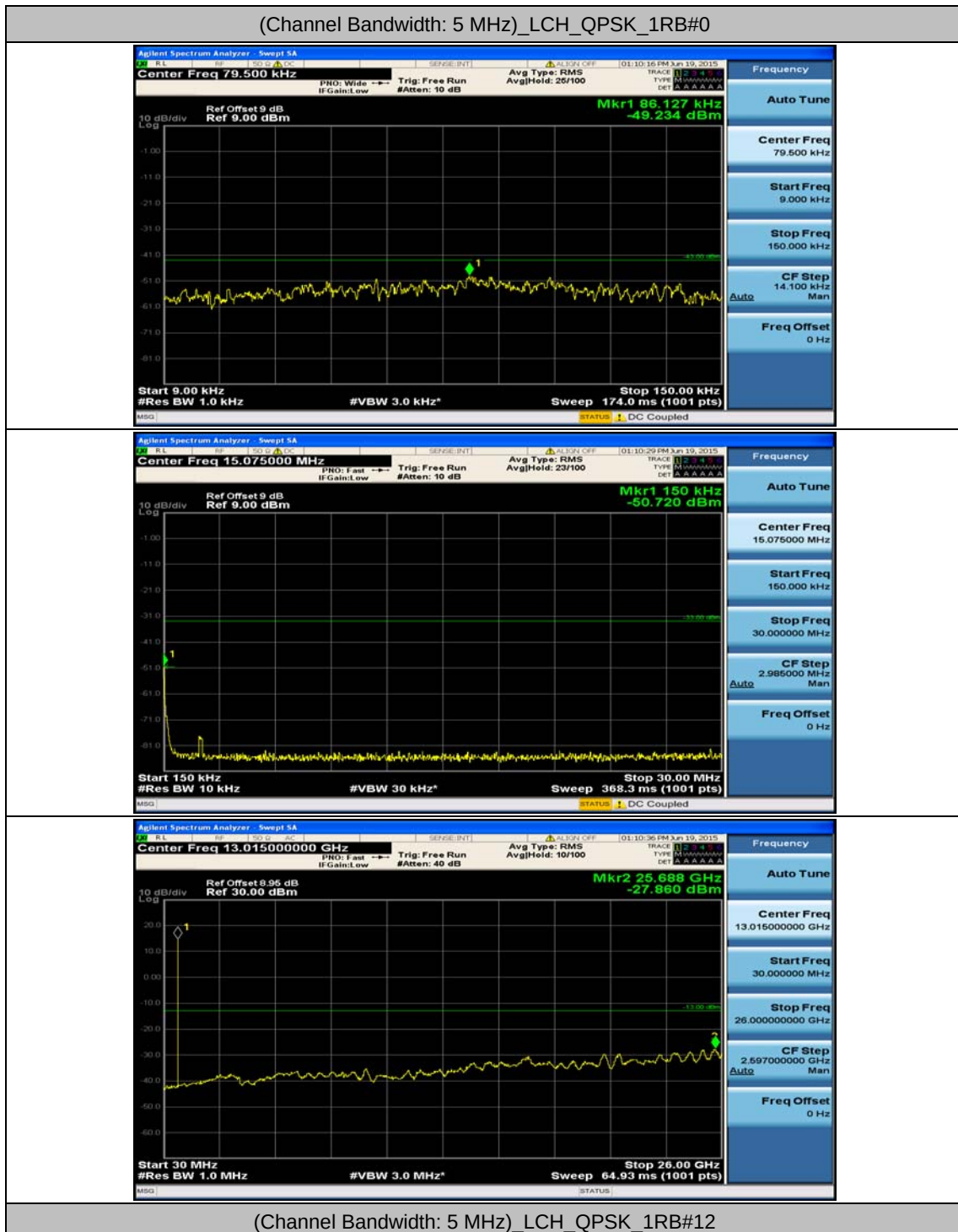
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

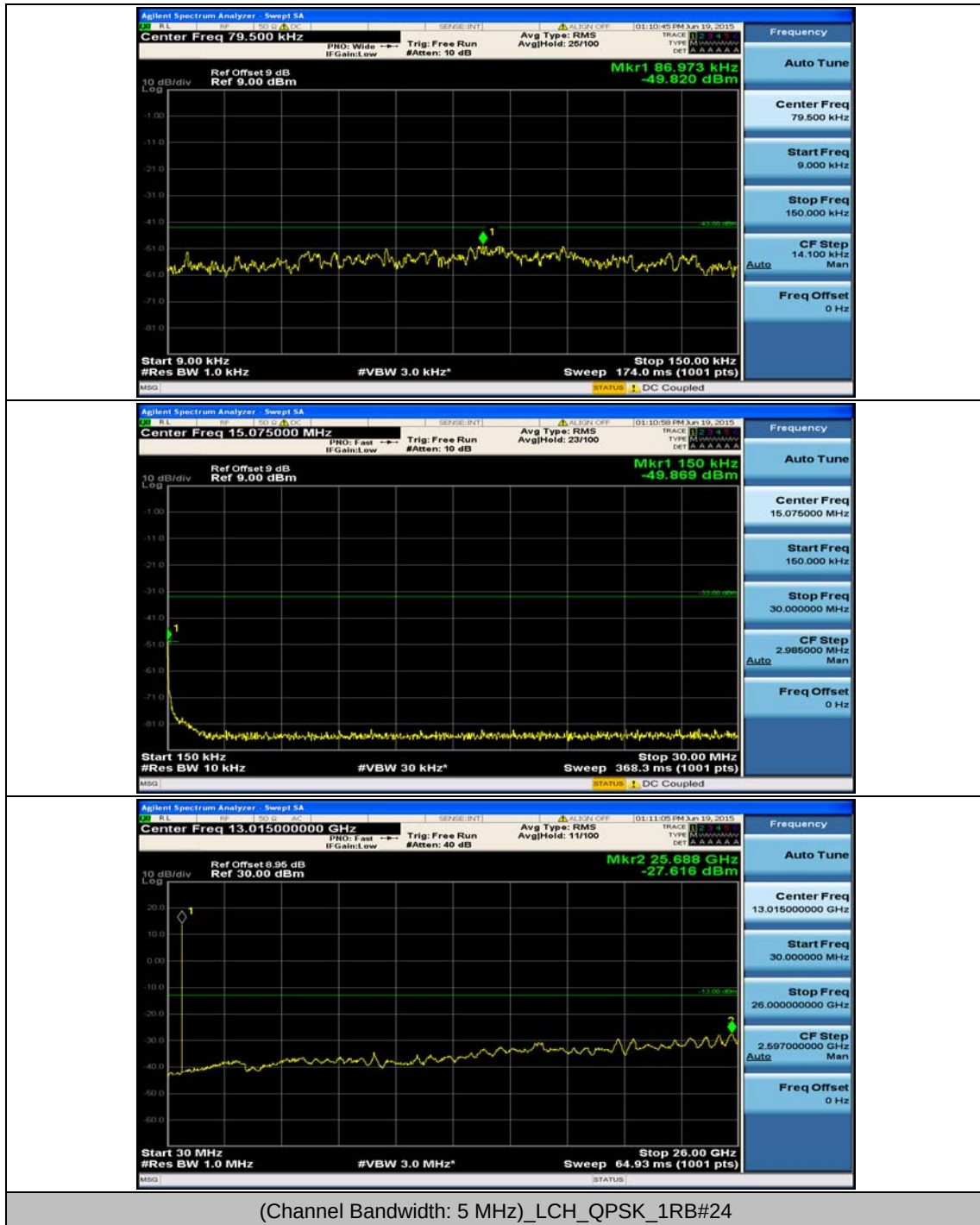


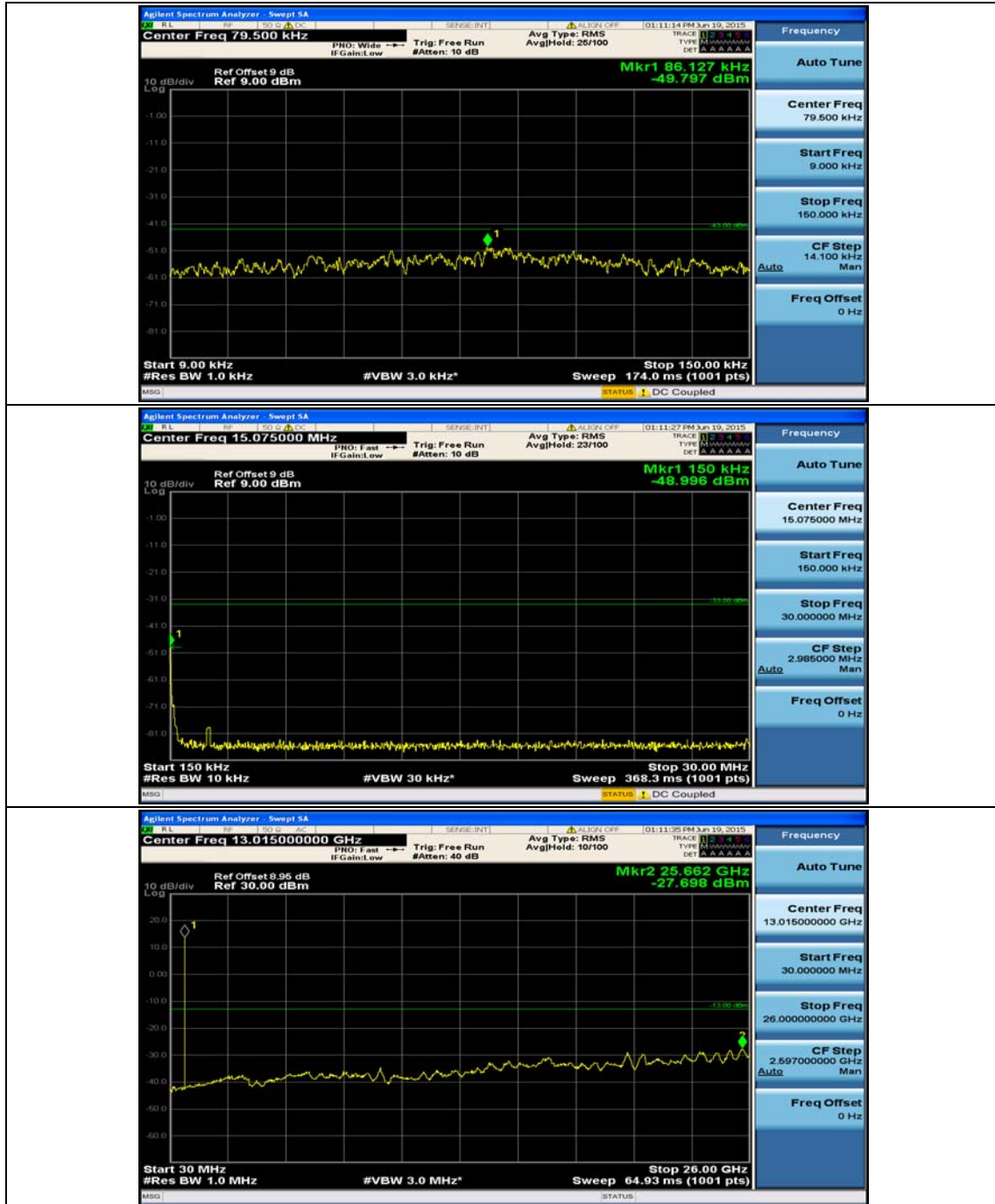
Appendix E: Conducted Spurious Emission

Test Graphs

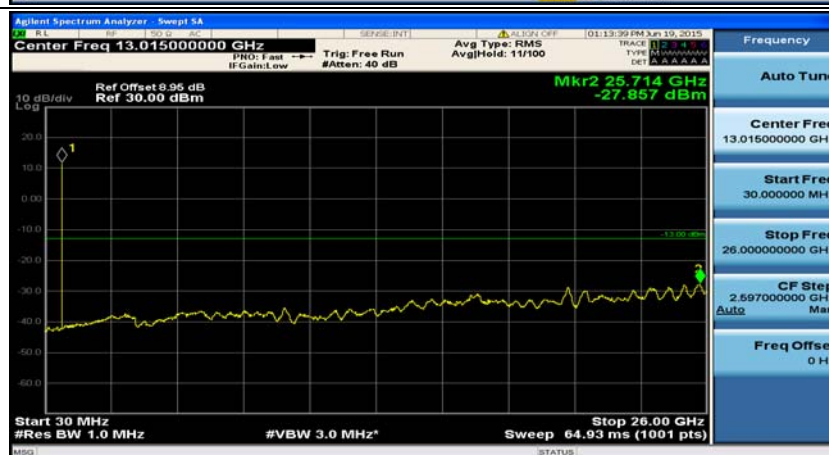
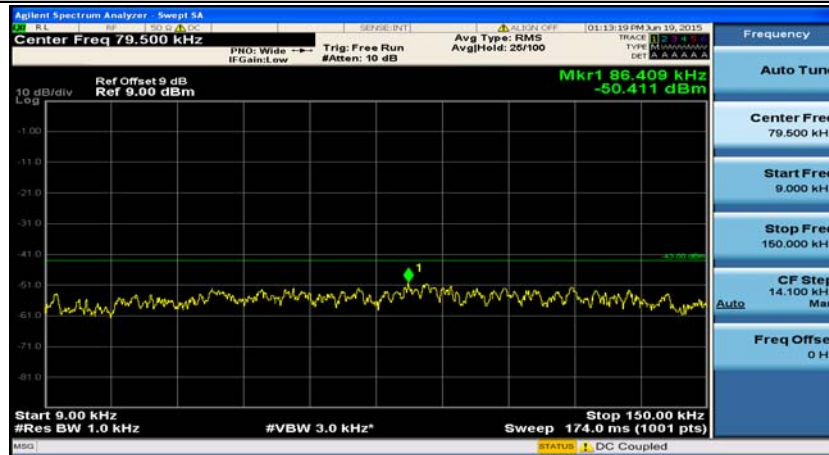
Channel Bandwidth: 5 MHz



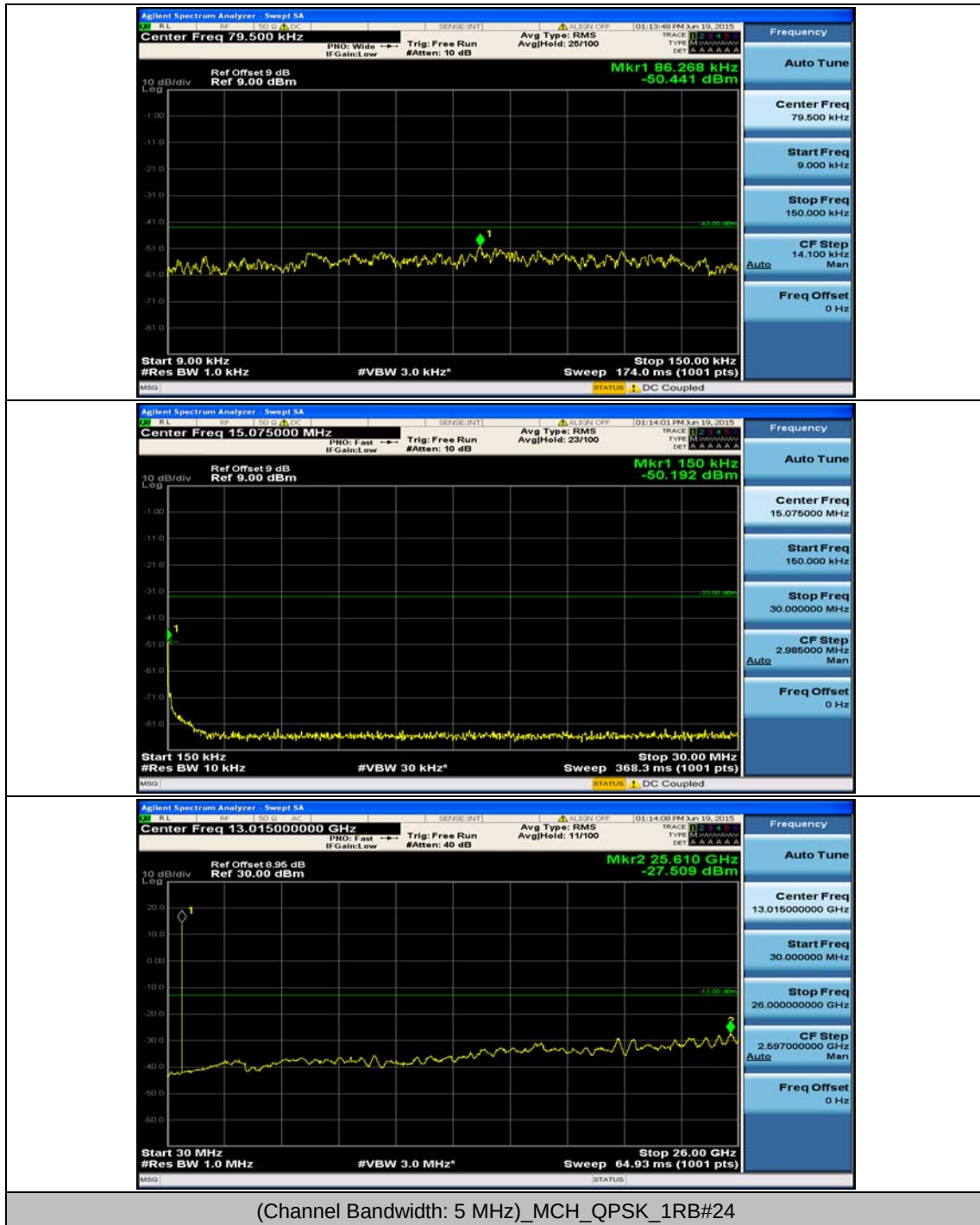


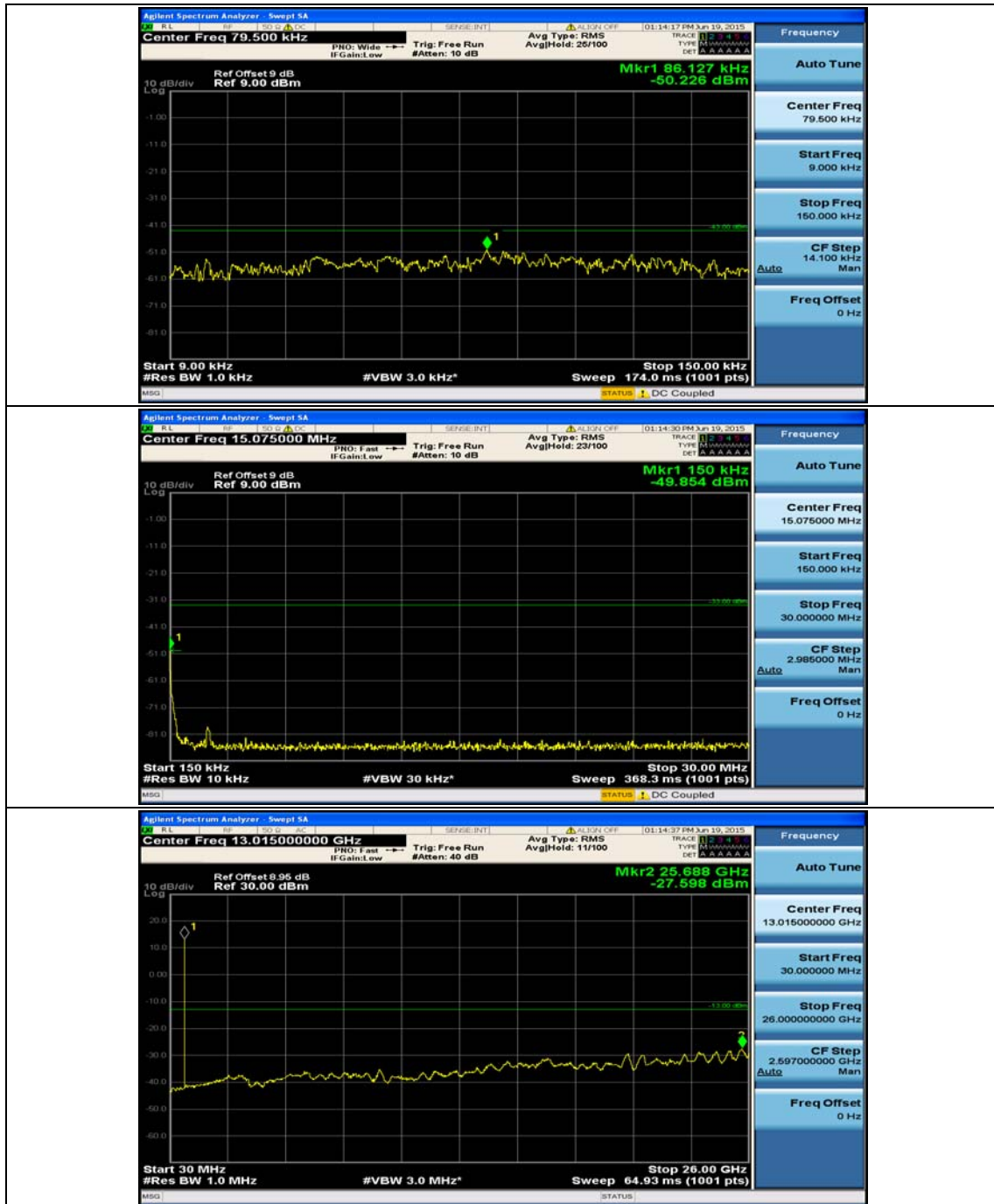


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

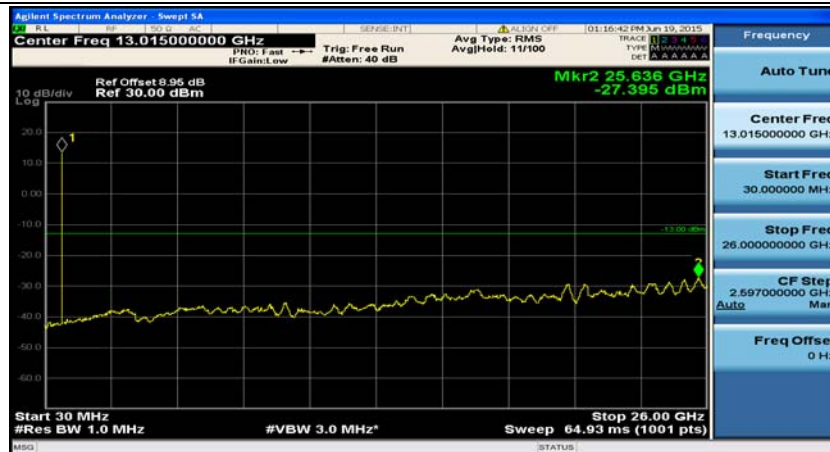
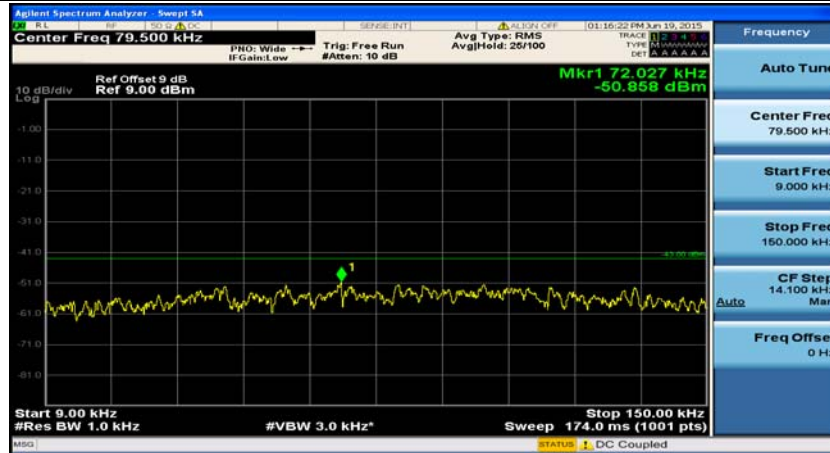


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

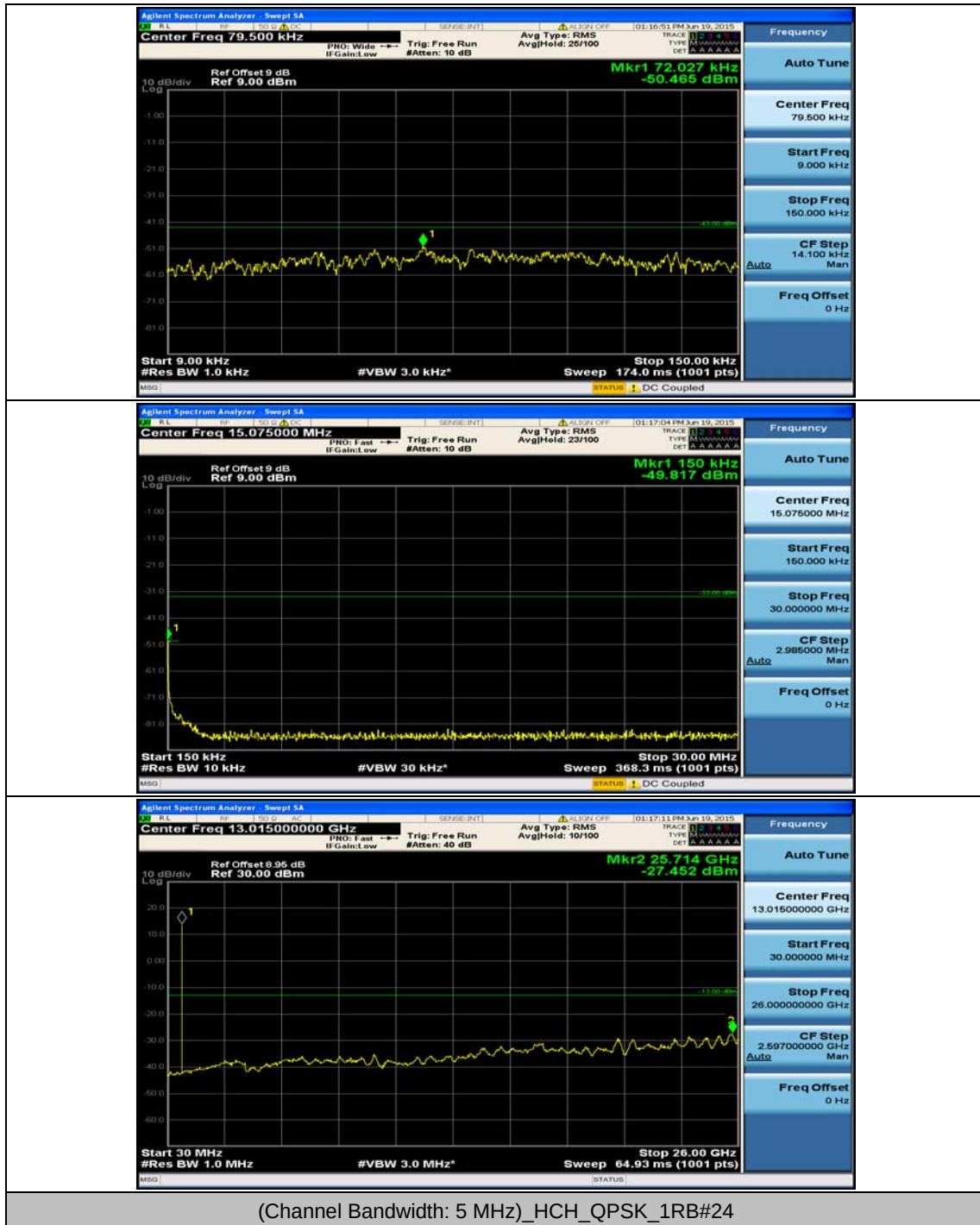


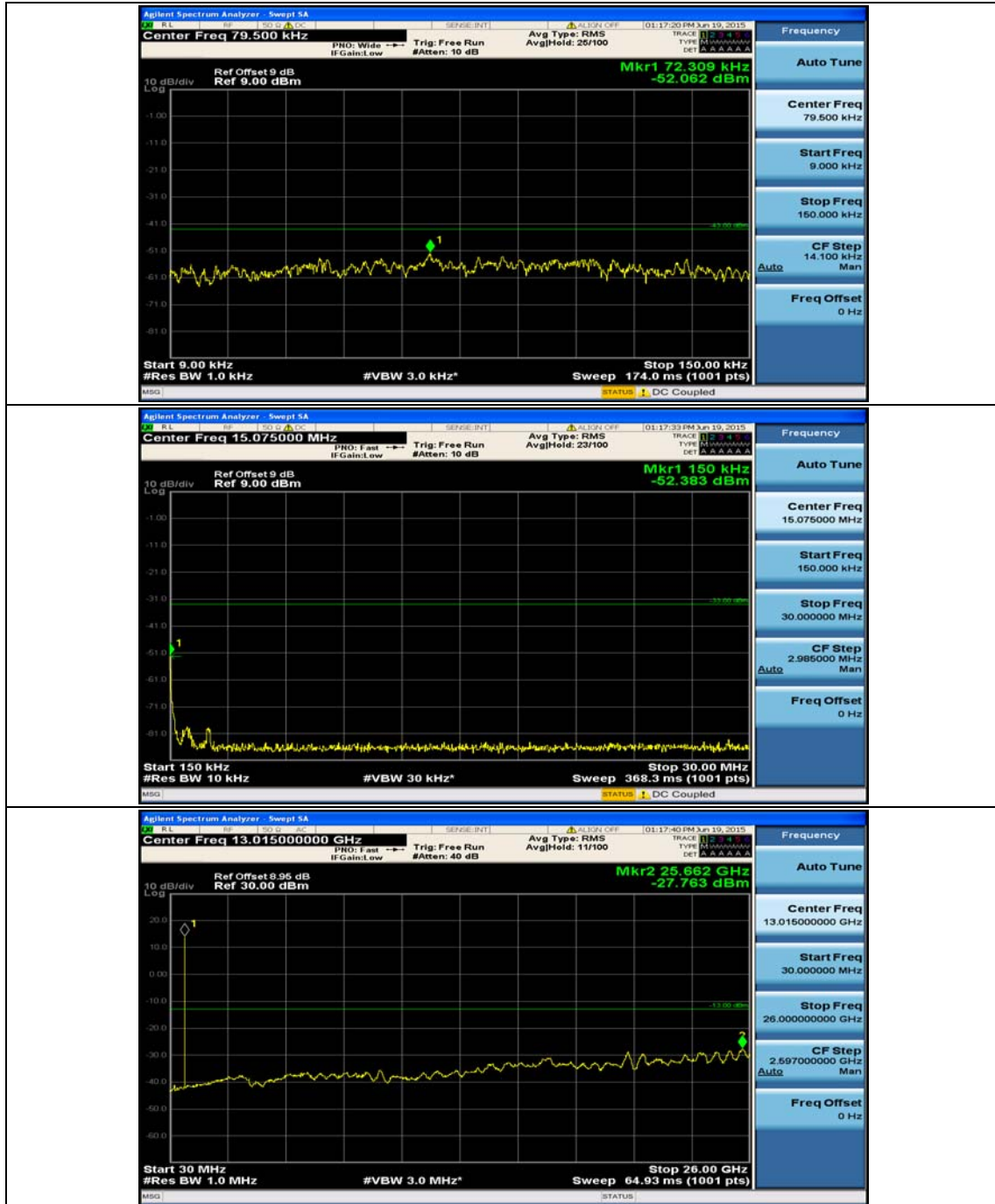


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

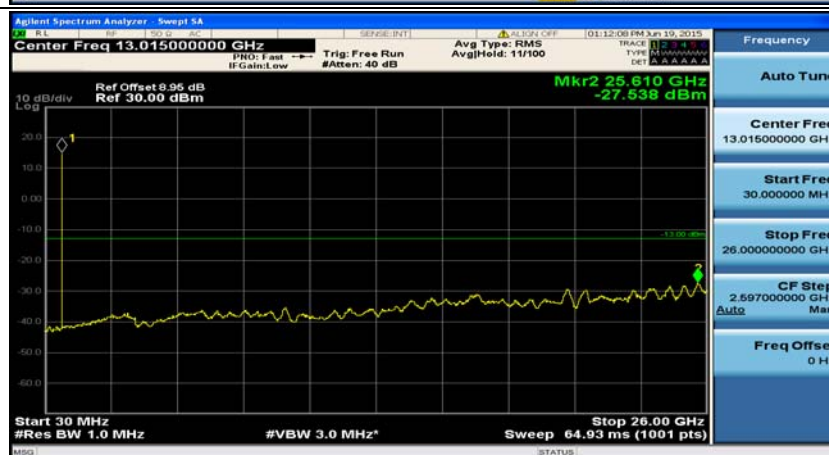


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

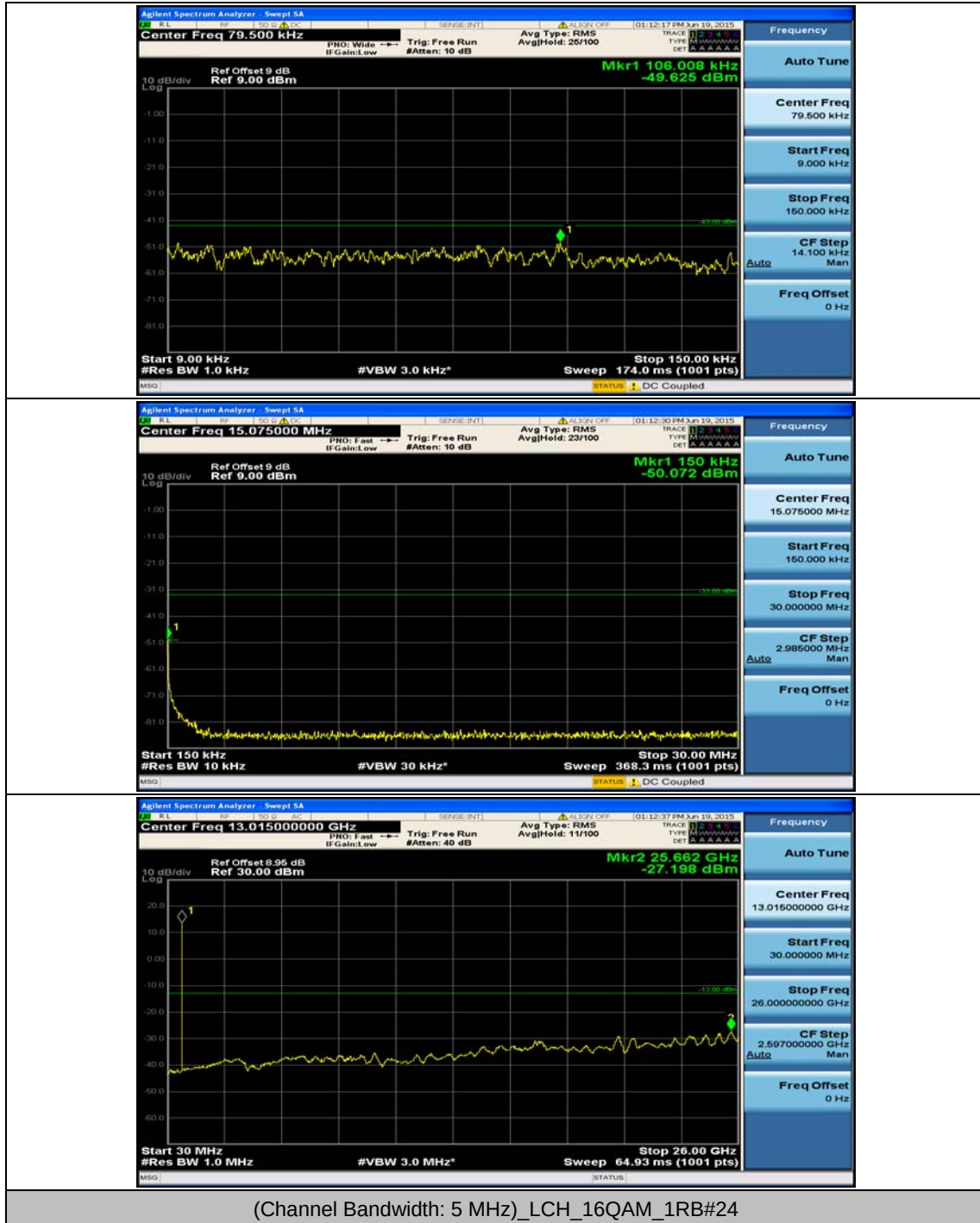


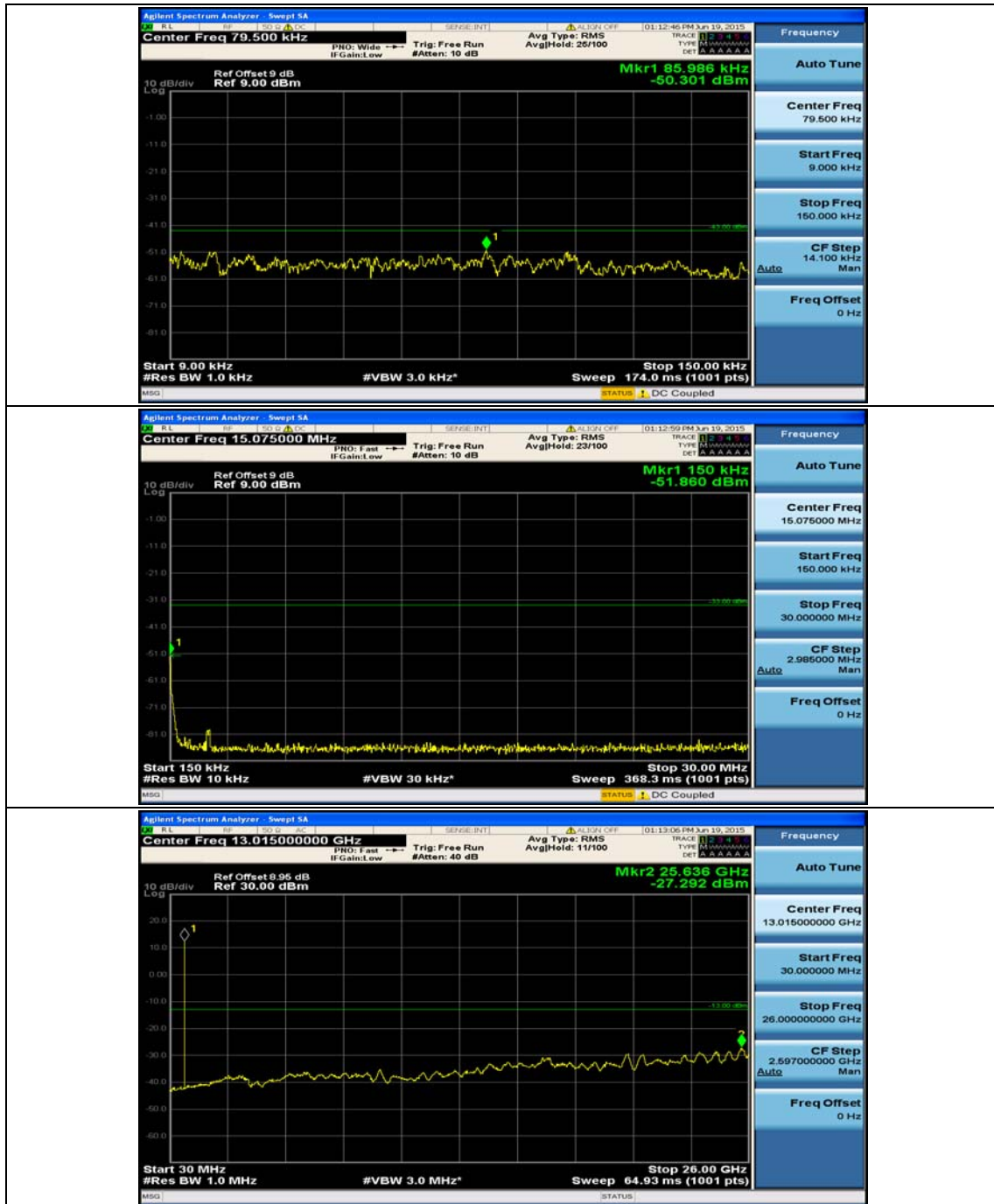


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

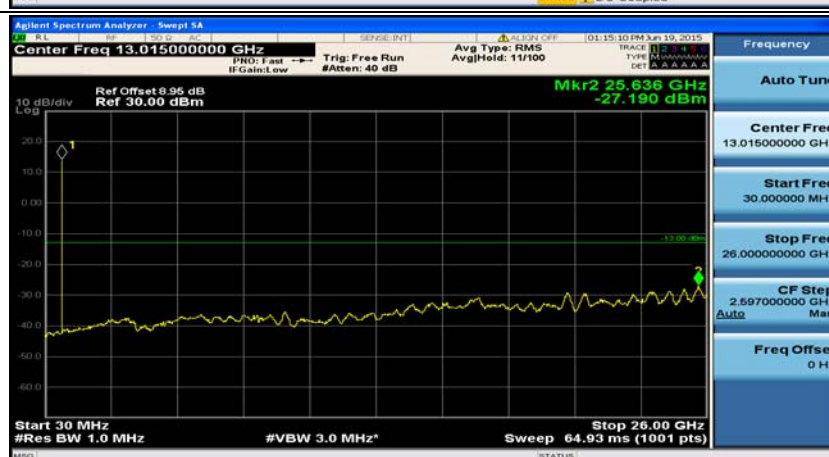
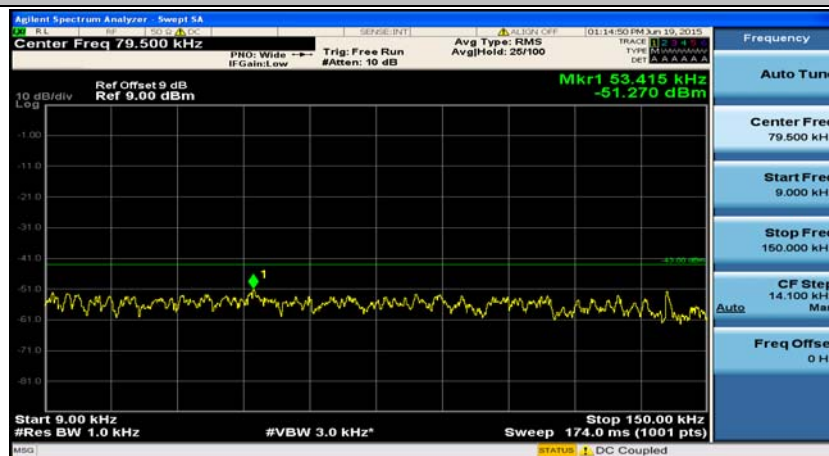


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

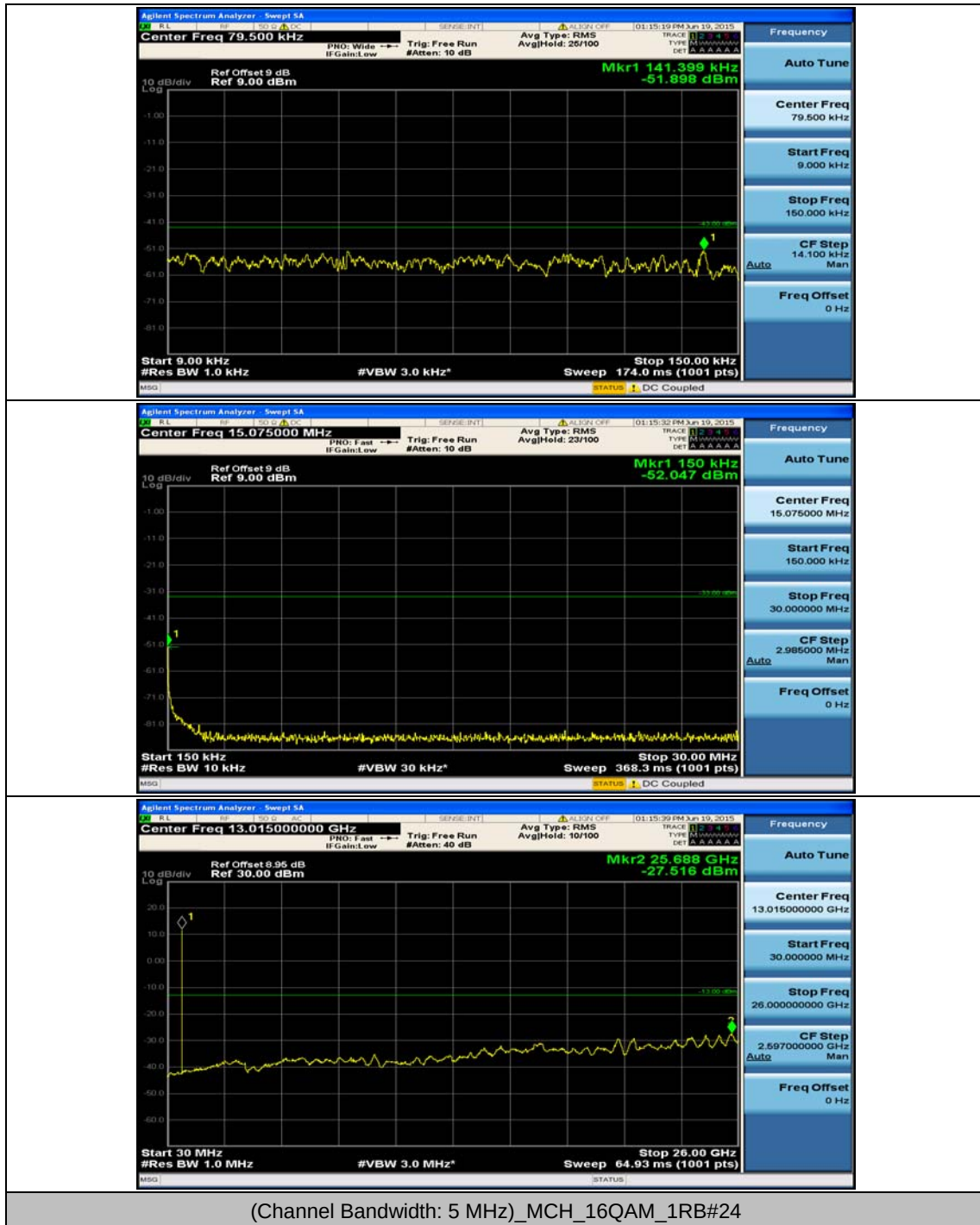


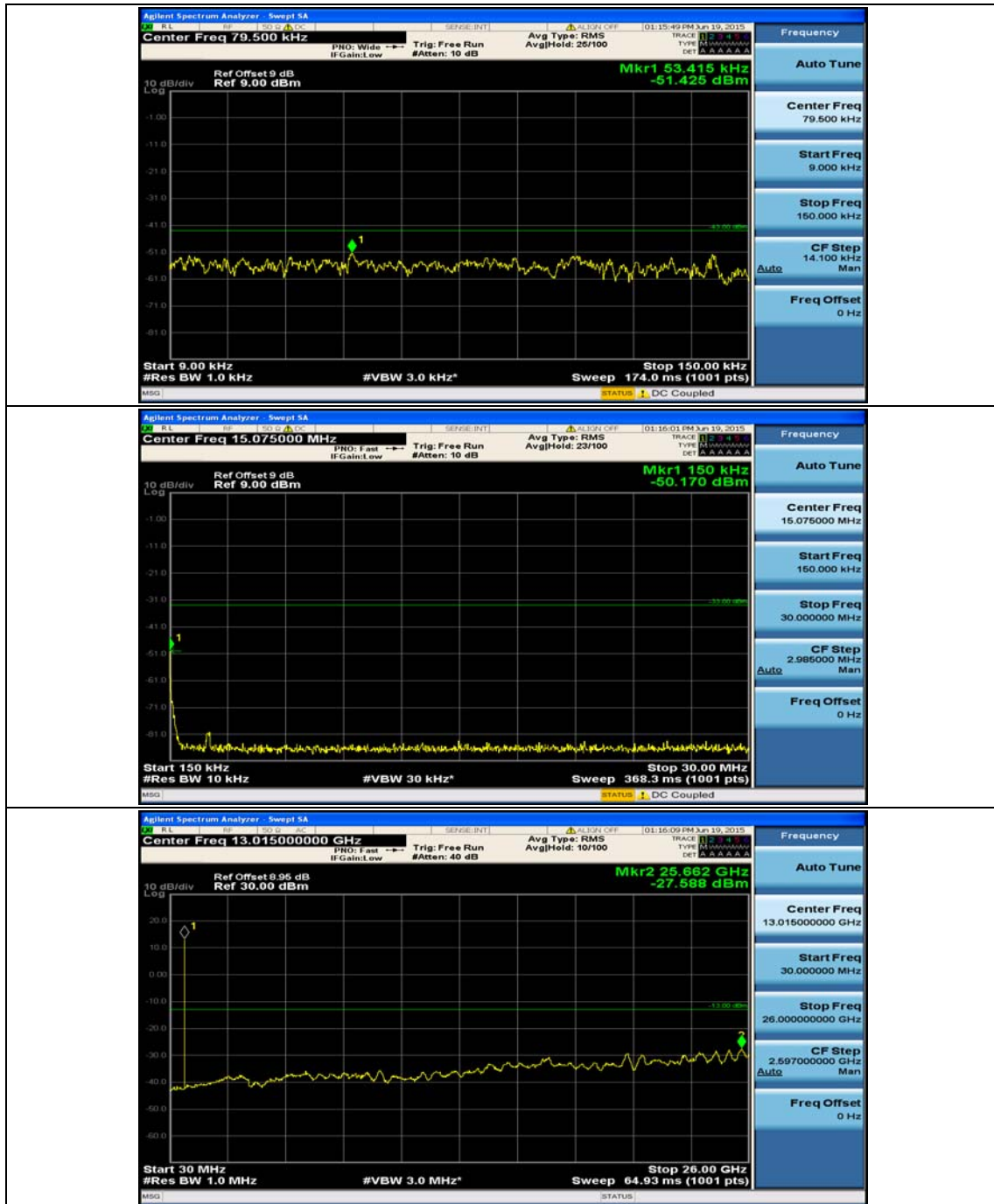


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

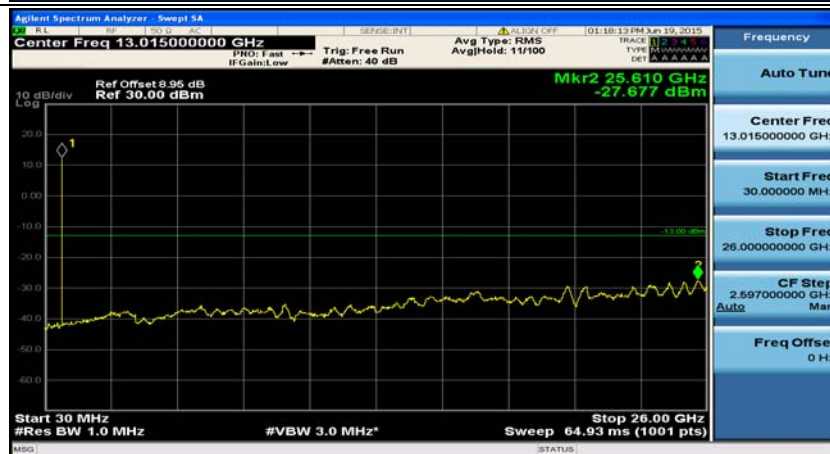
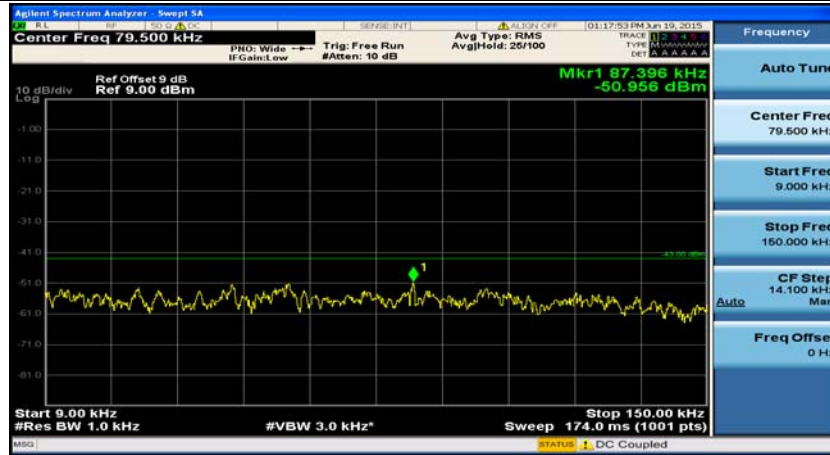


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

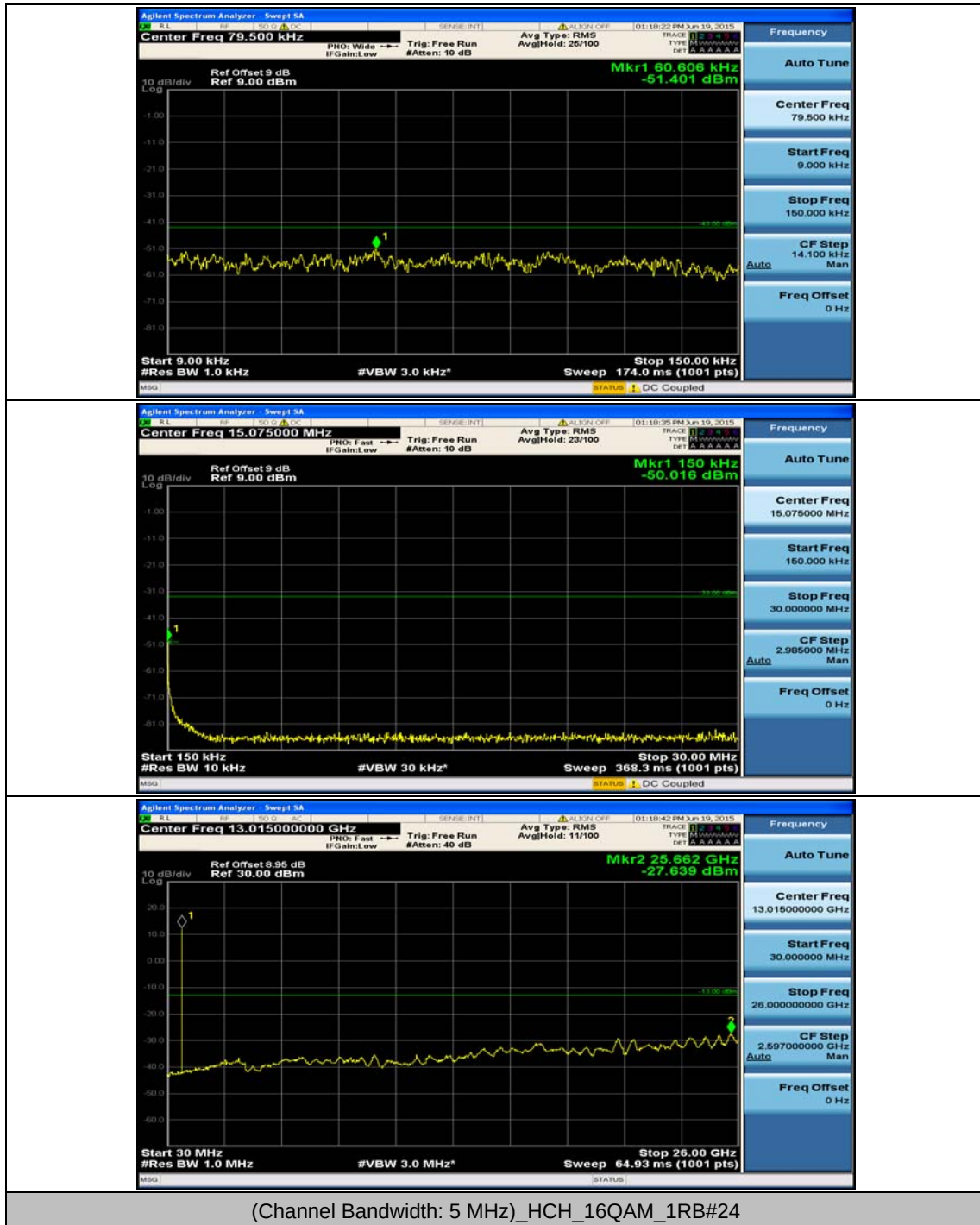


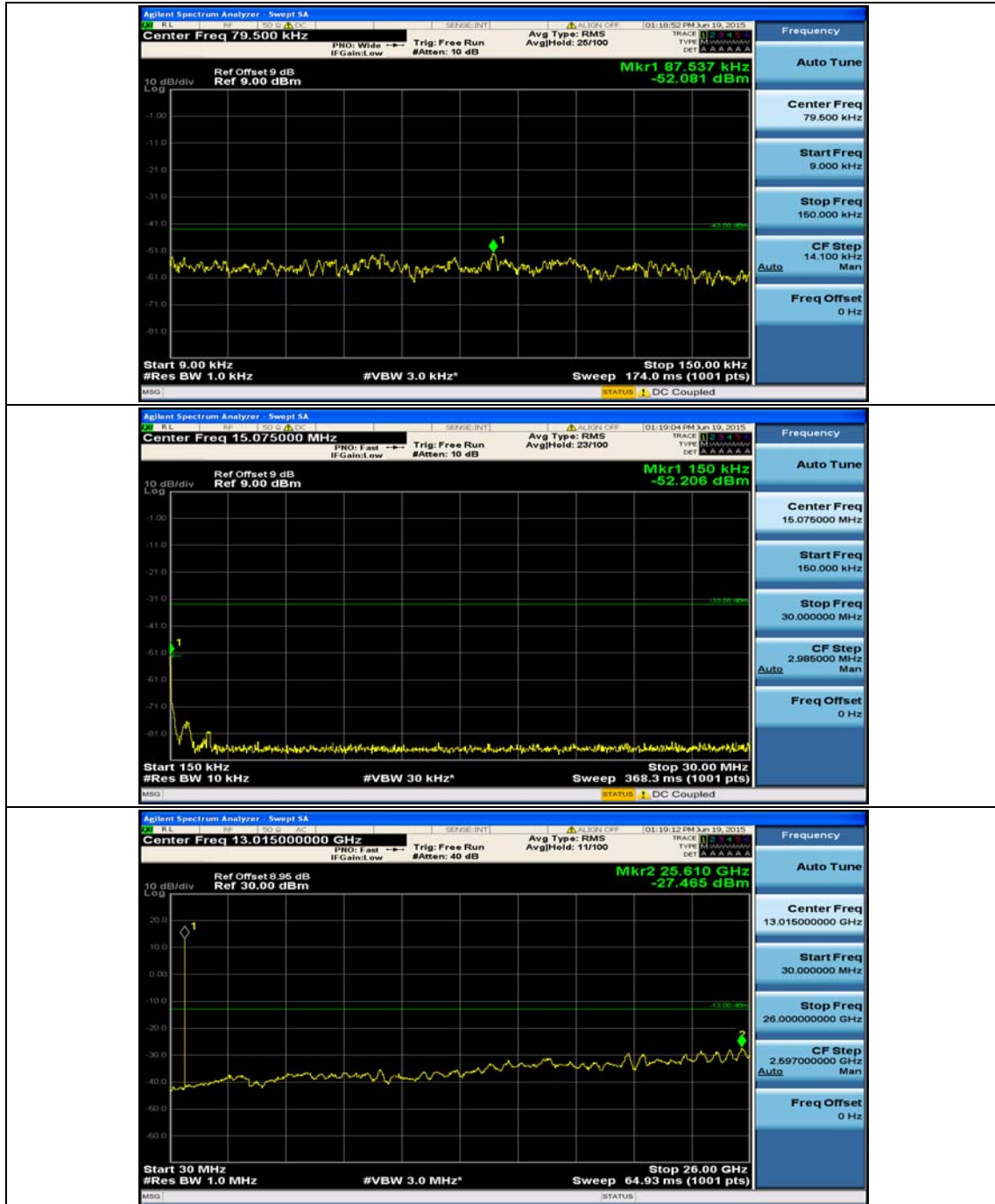


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

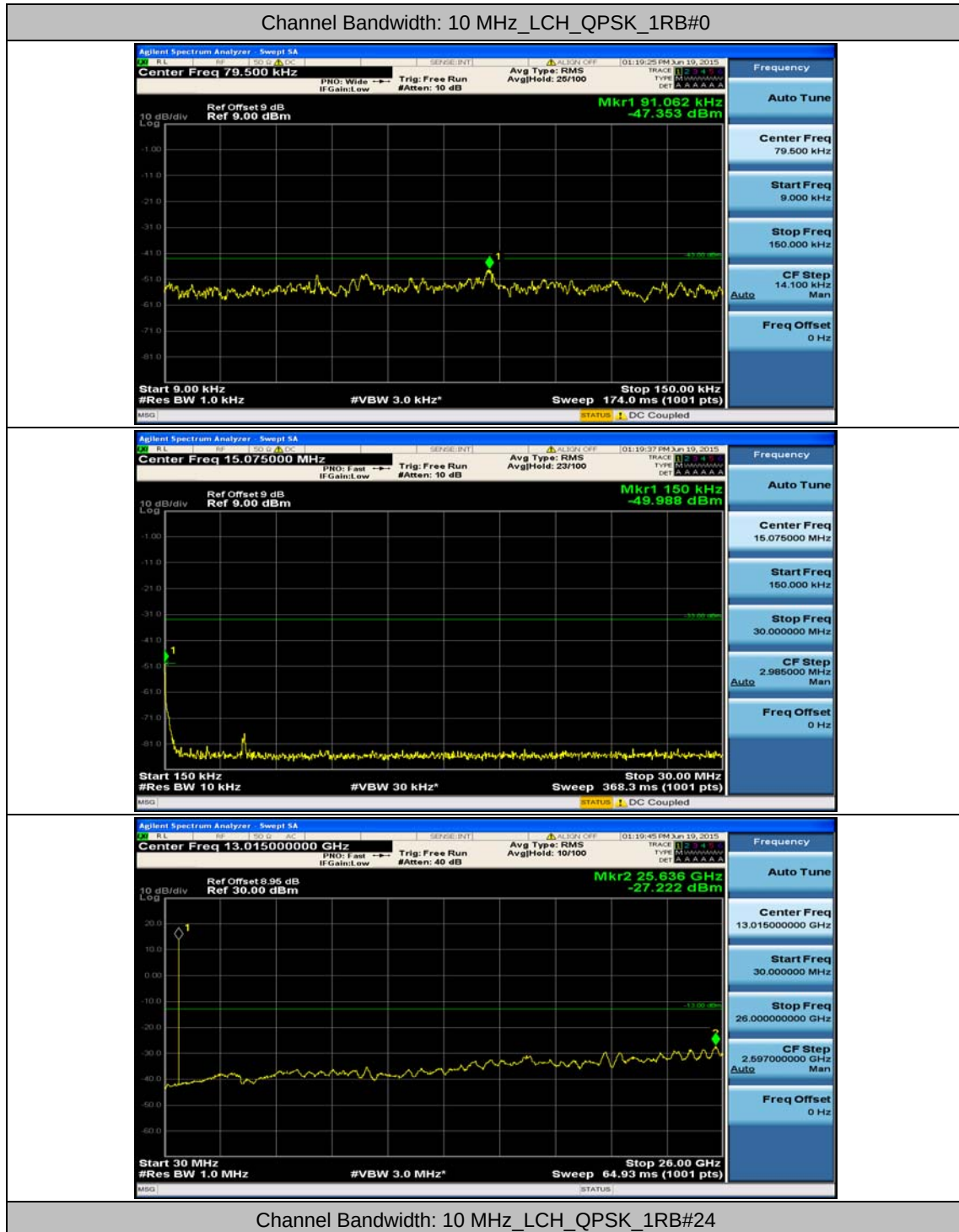


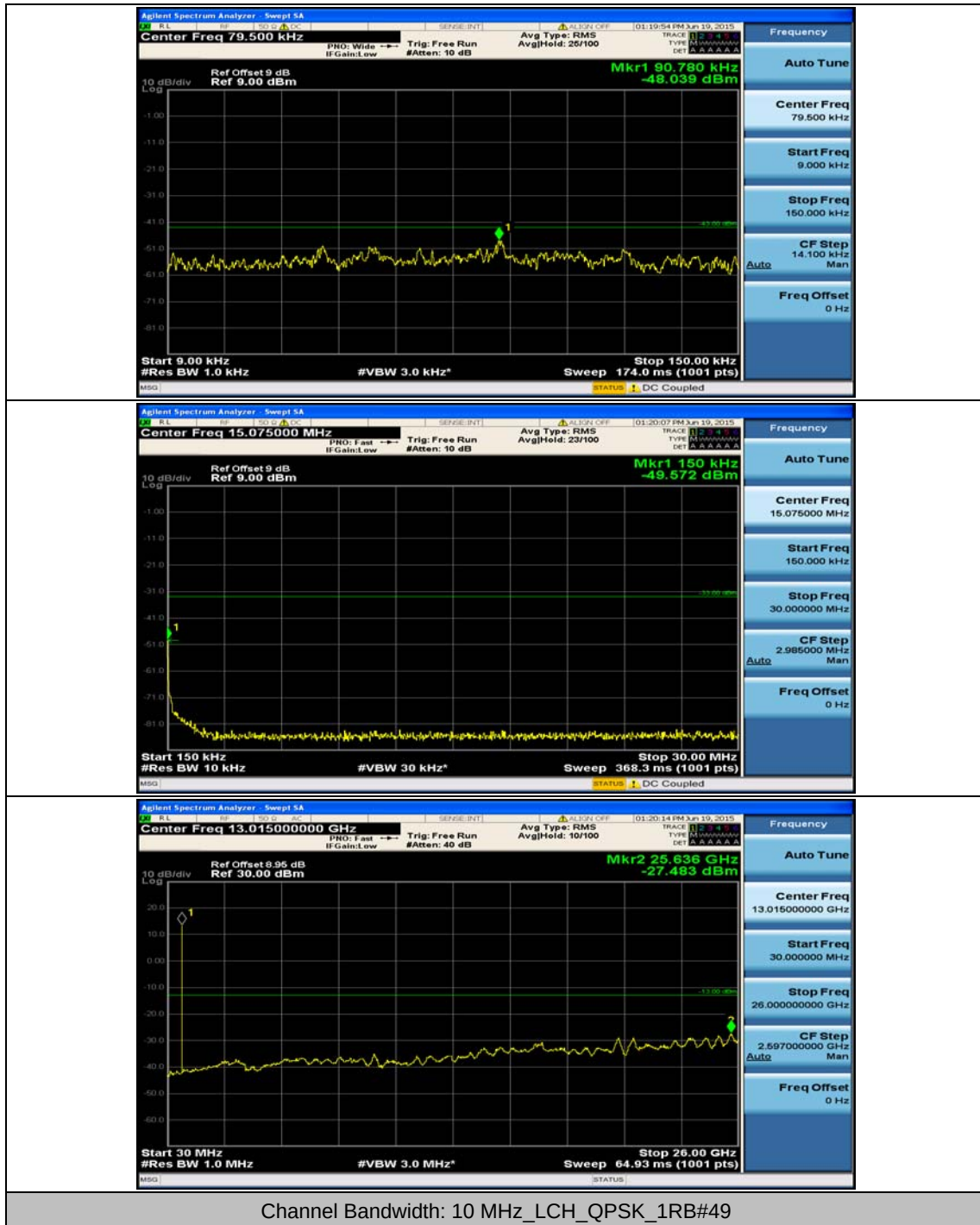
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

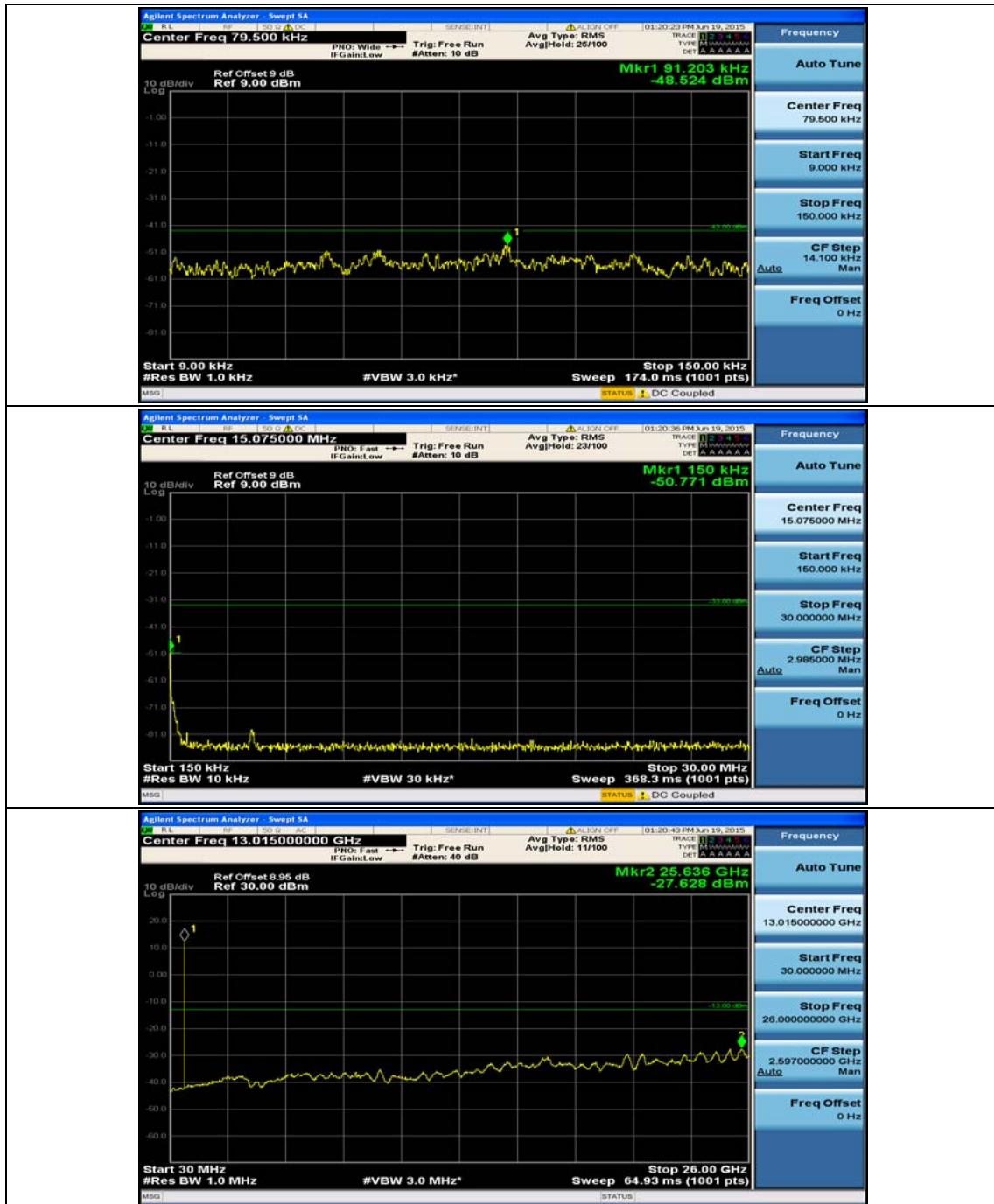




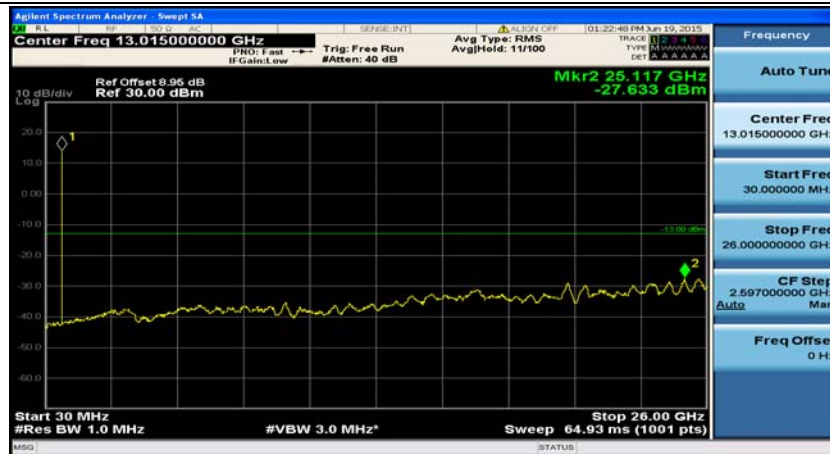
Channel Bandwidth: 10 MHz



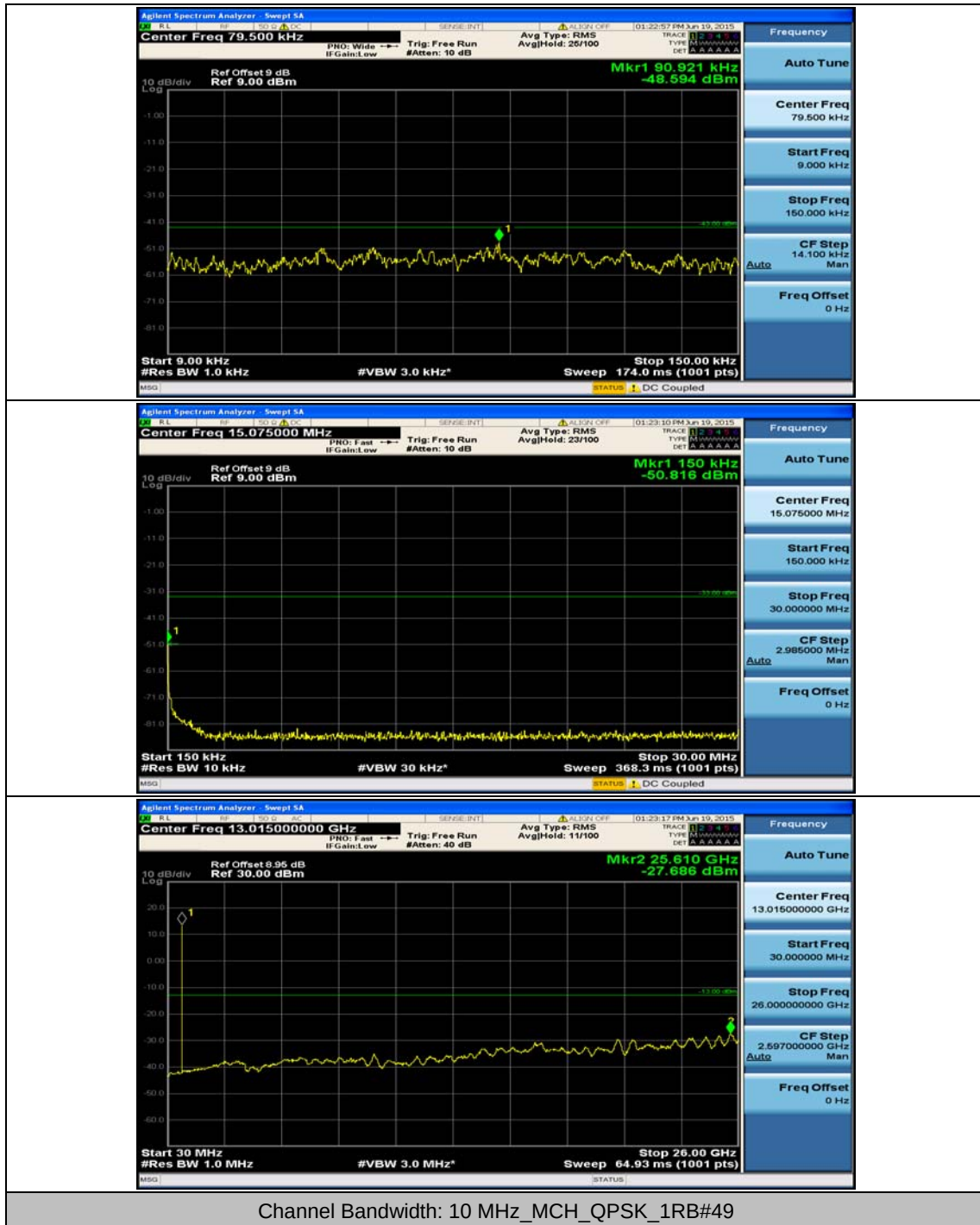


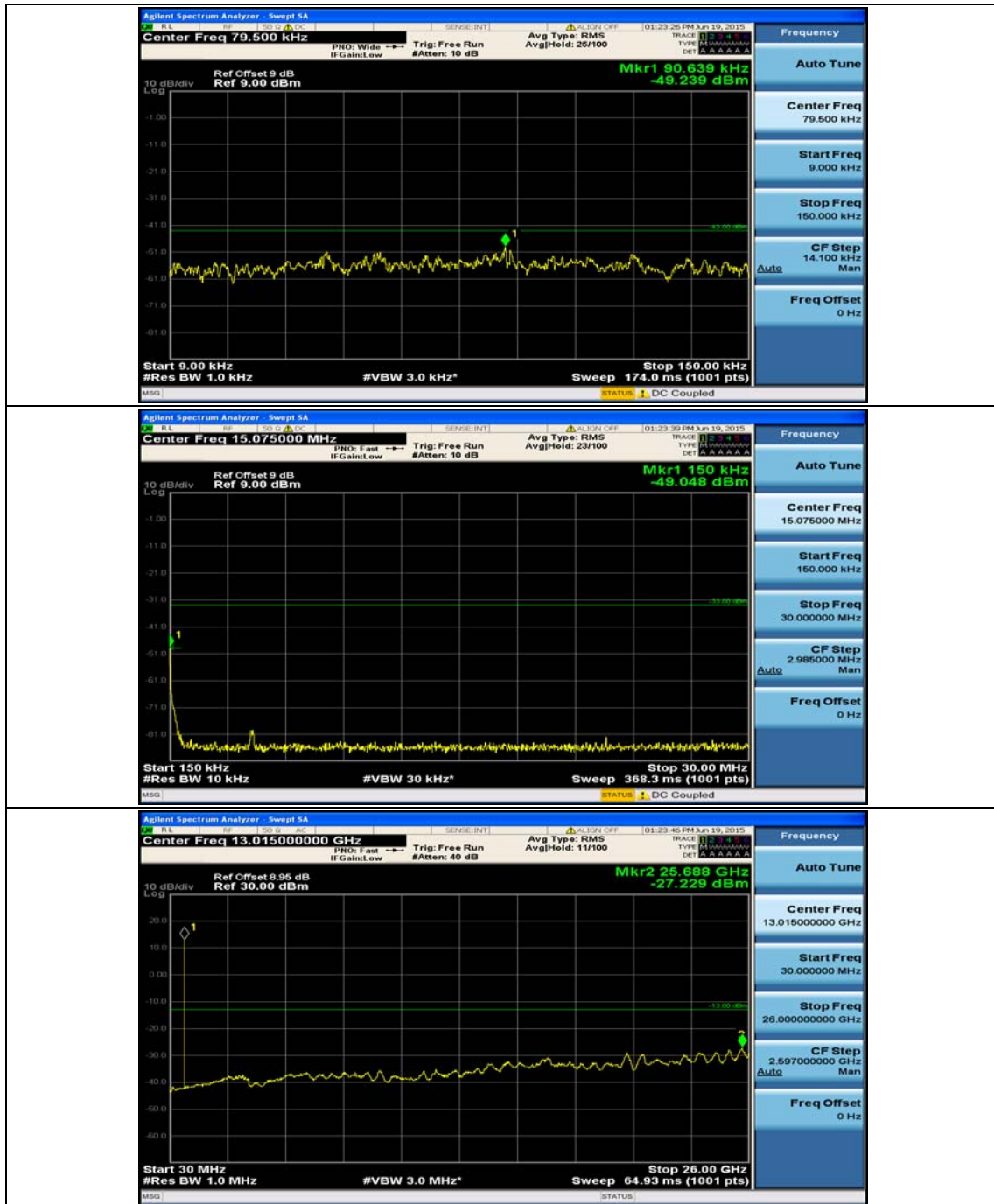


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

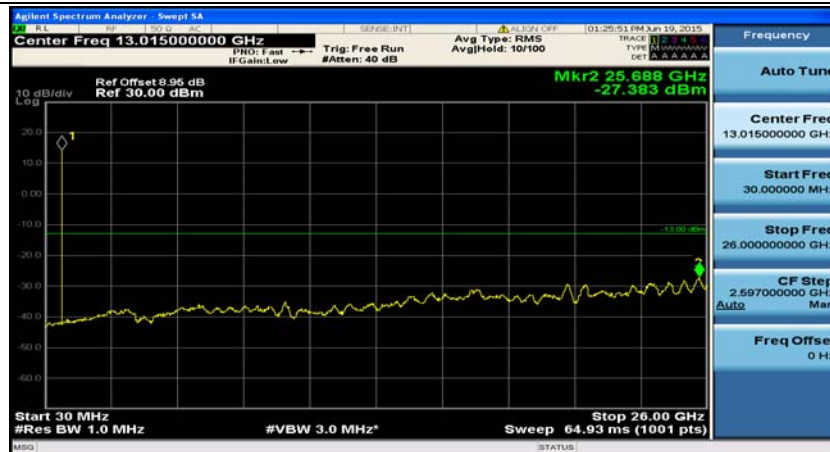
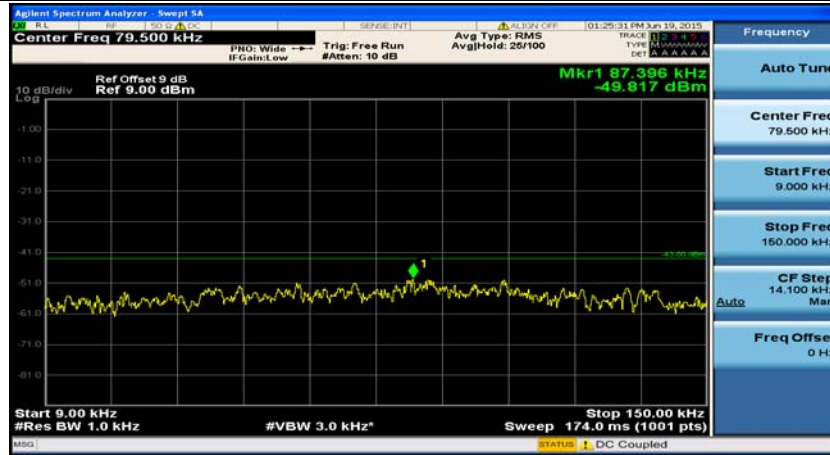


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

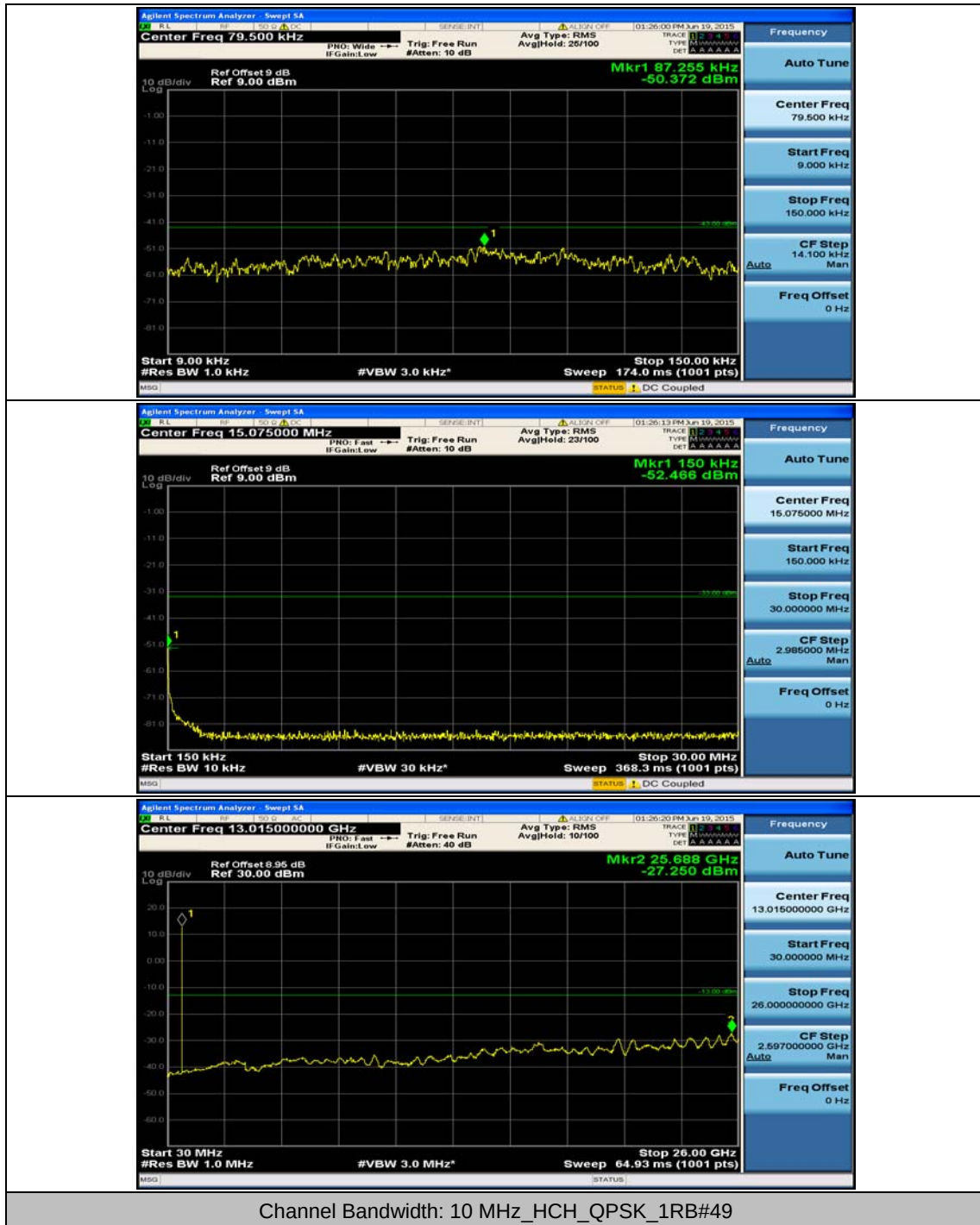


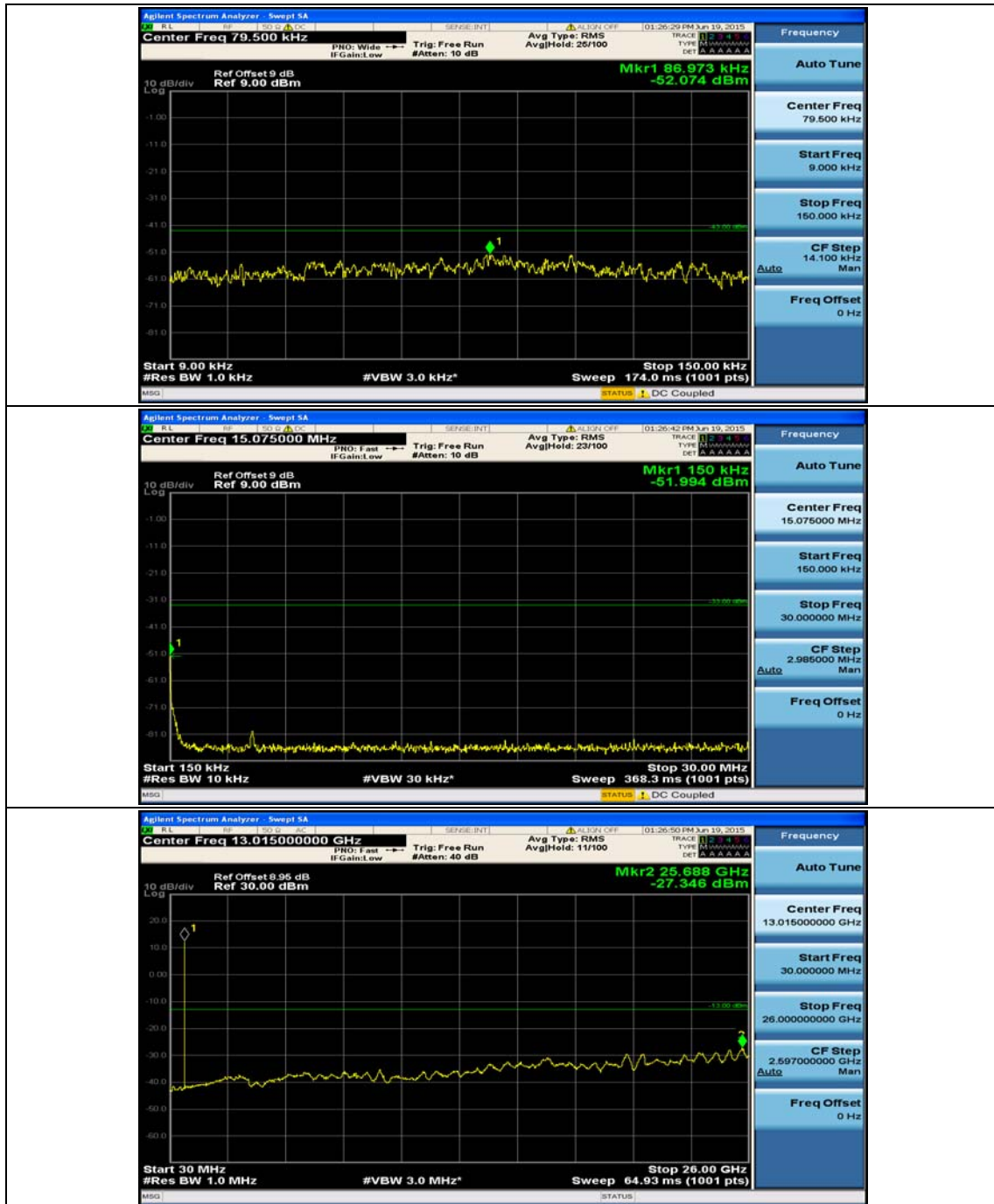


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

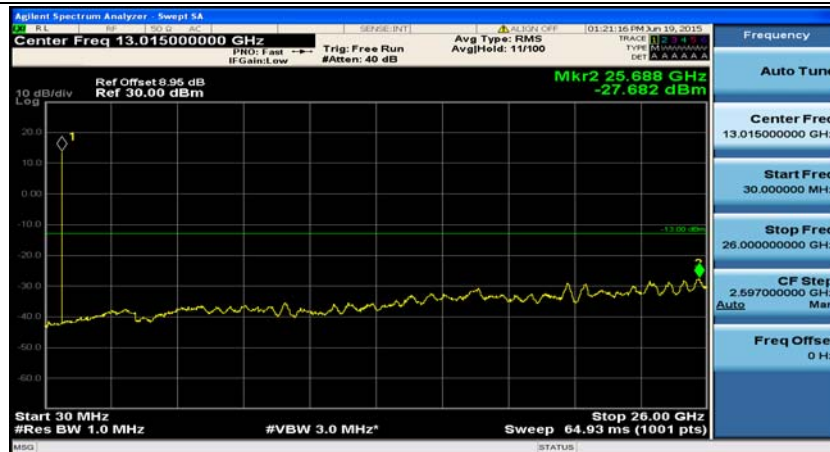
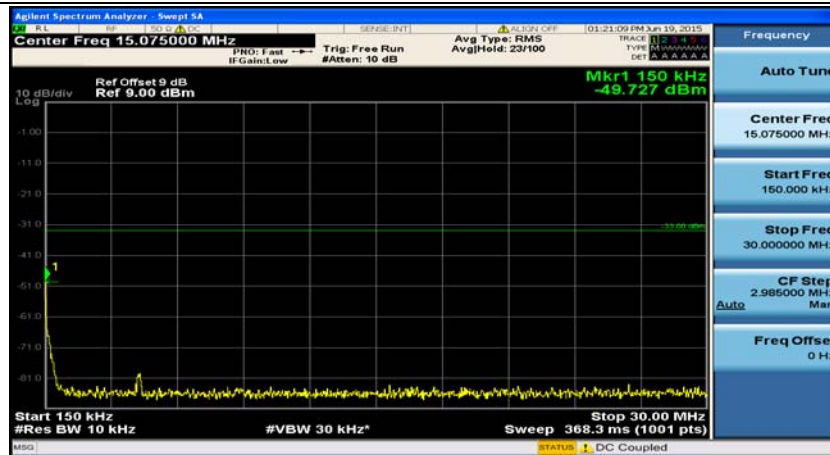


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

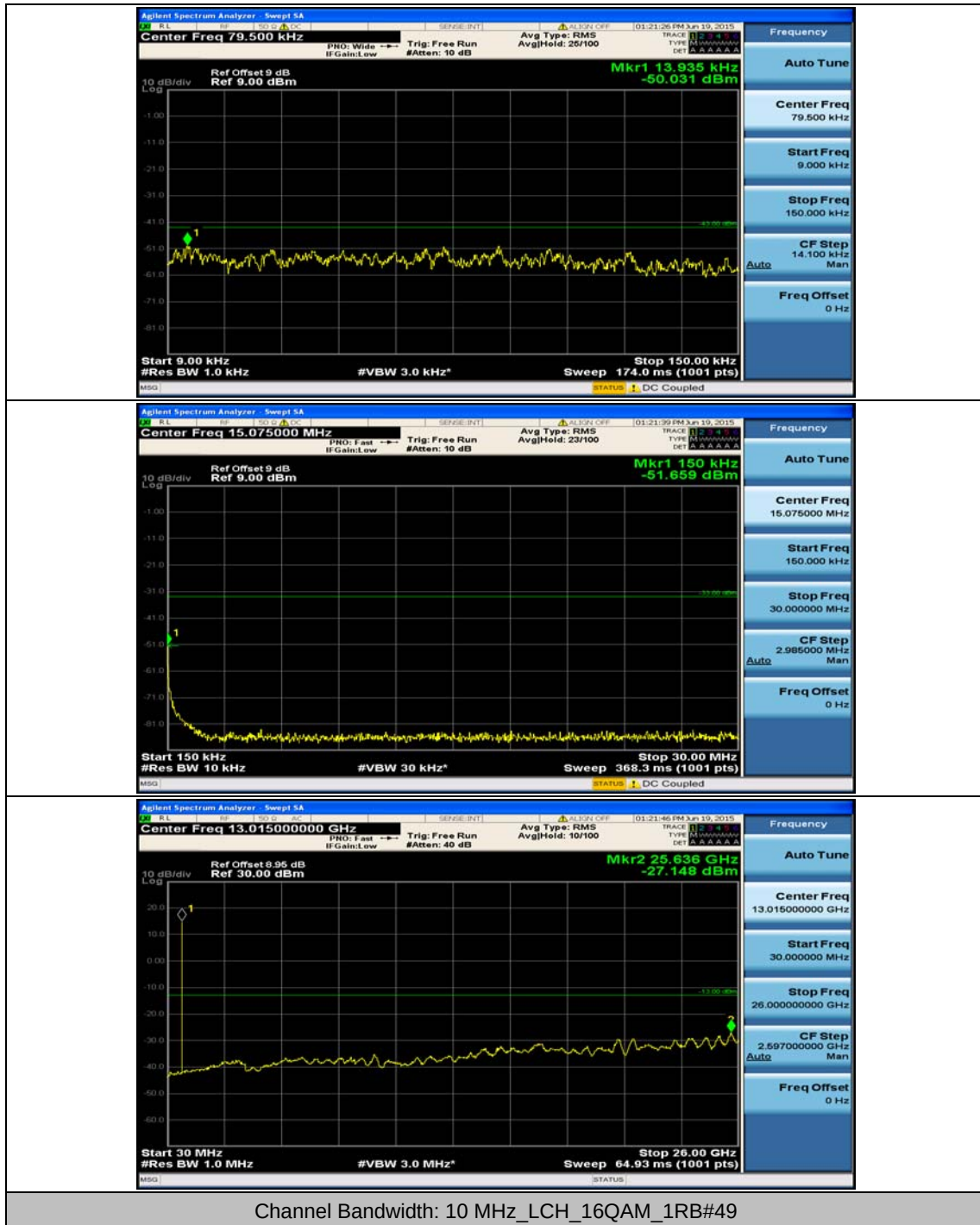


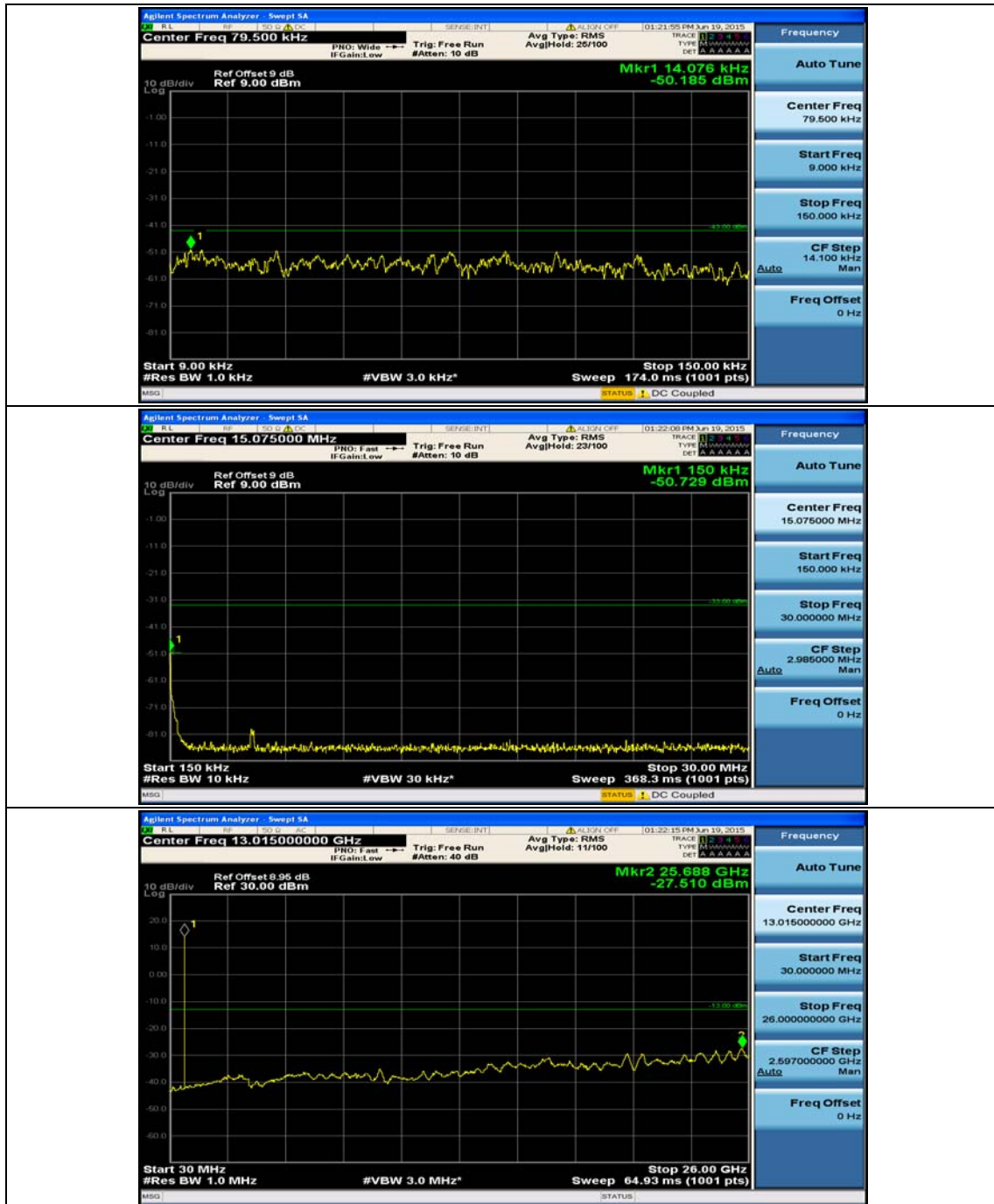


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

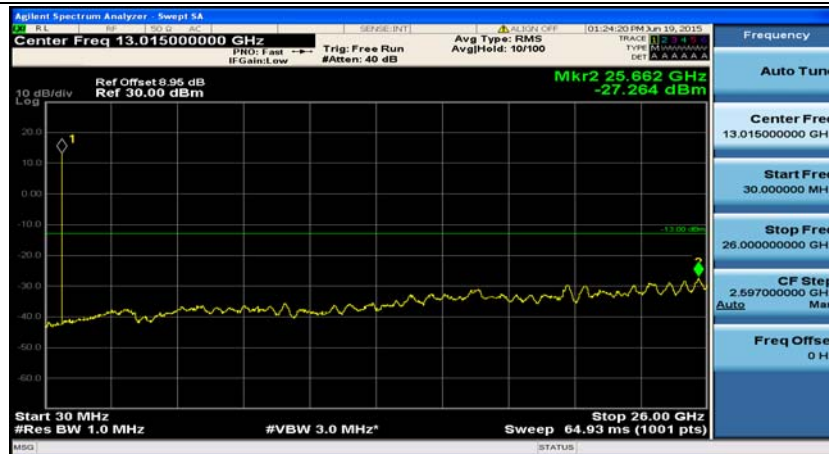
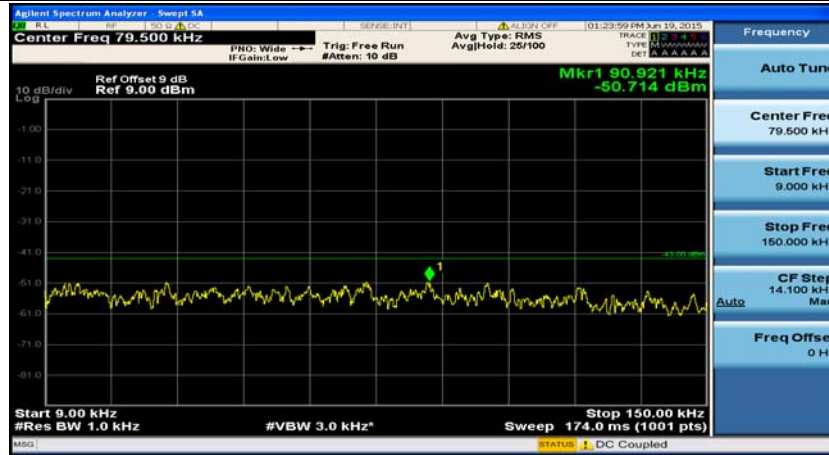


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

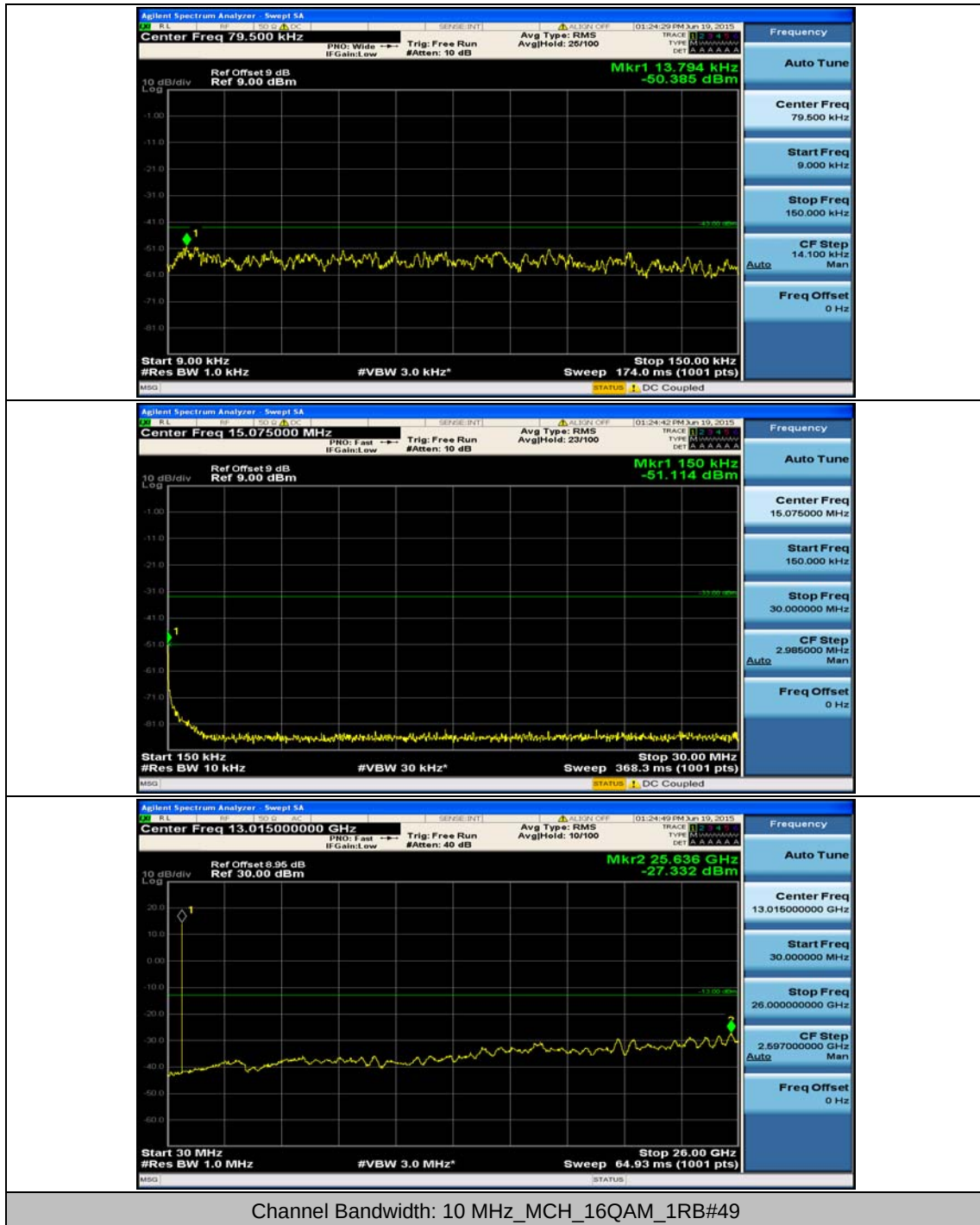


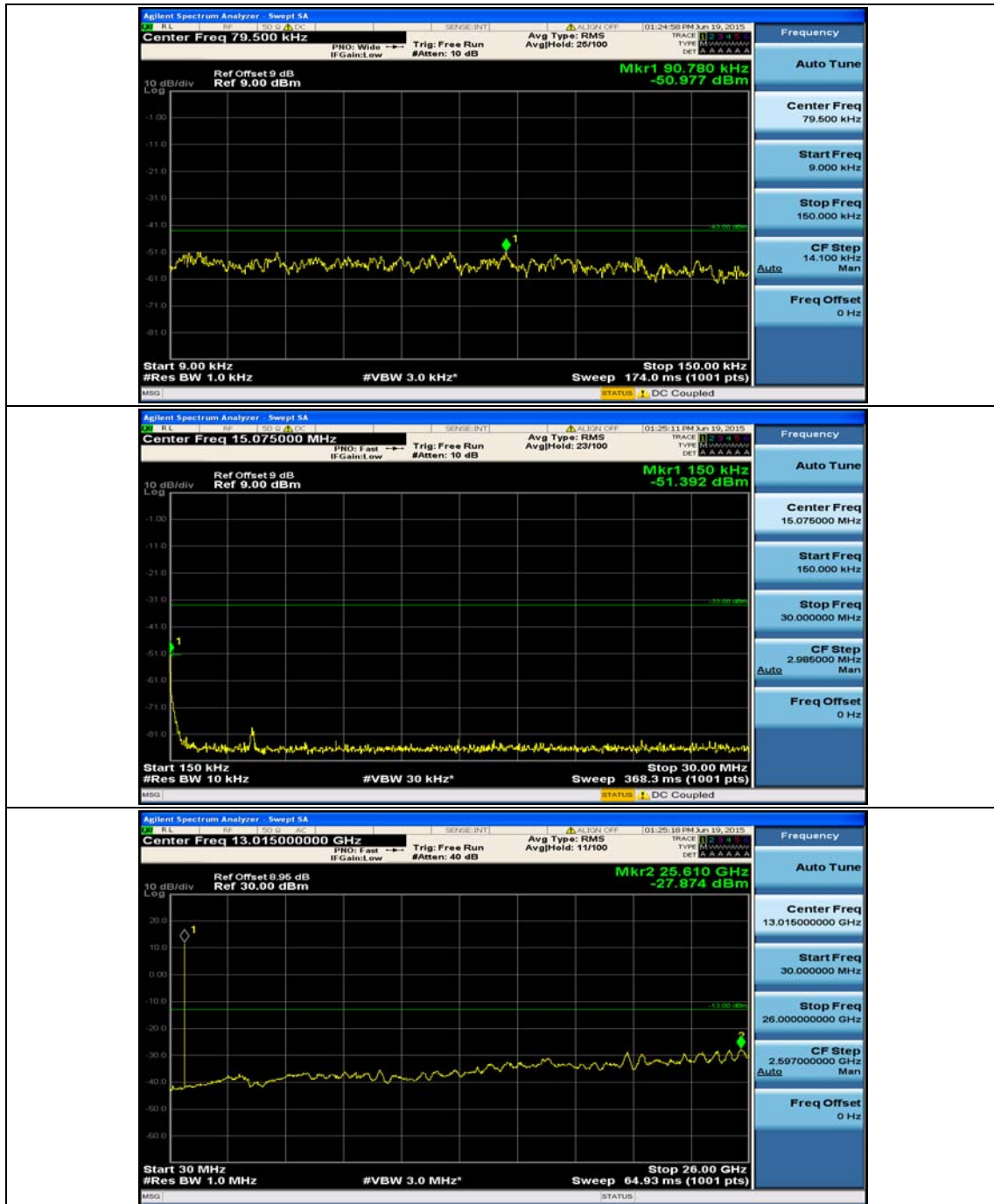


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

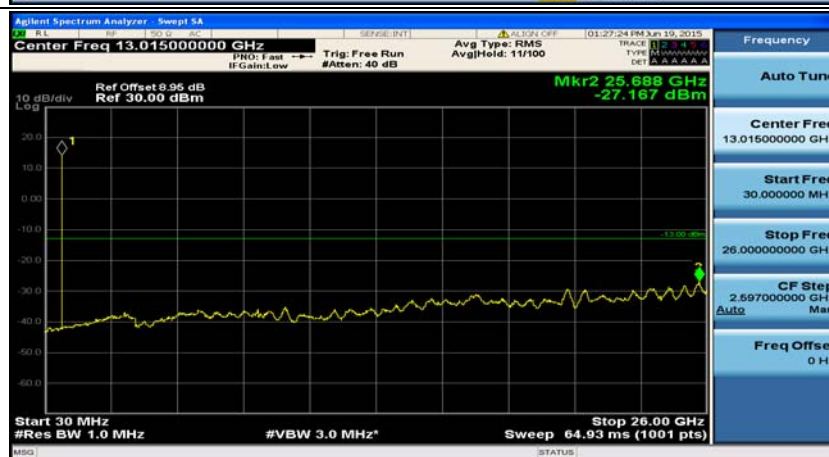
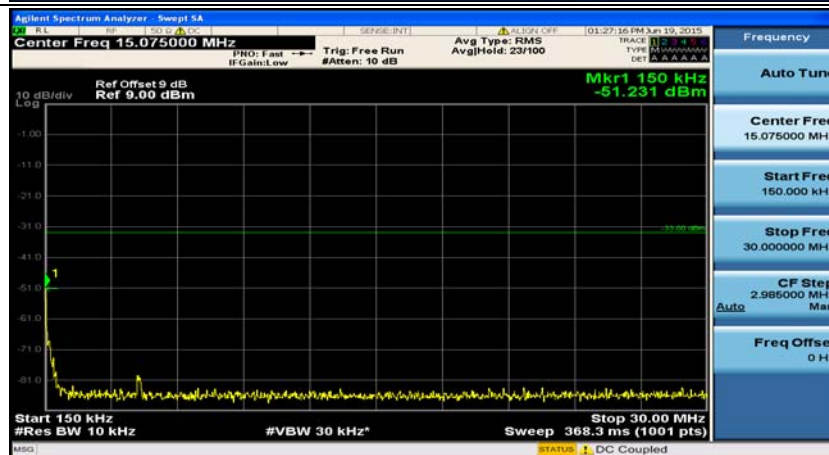


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

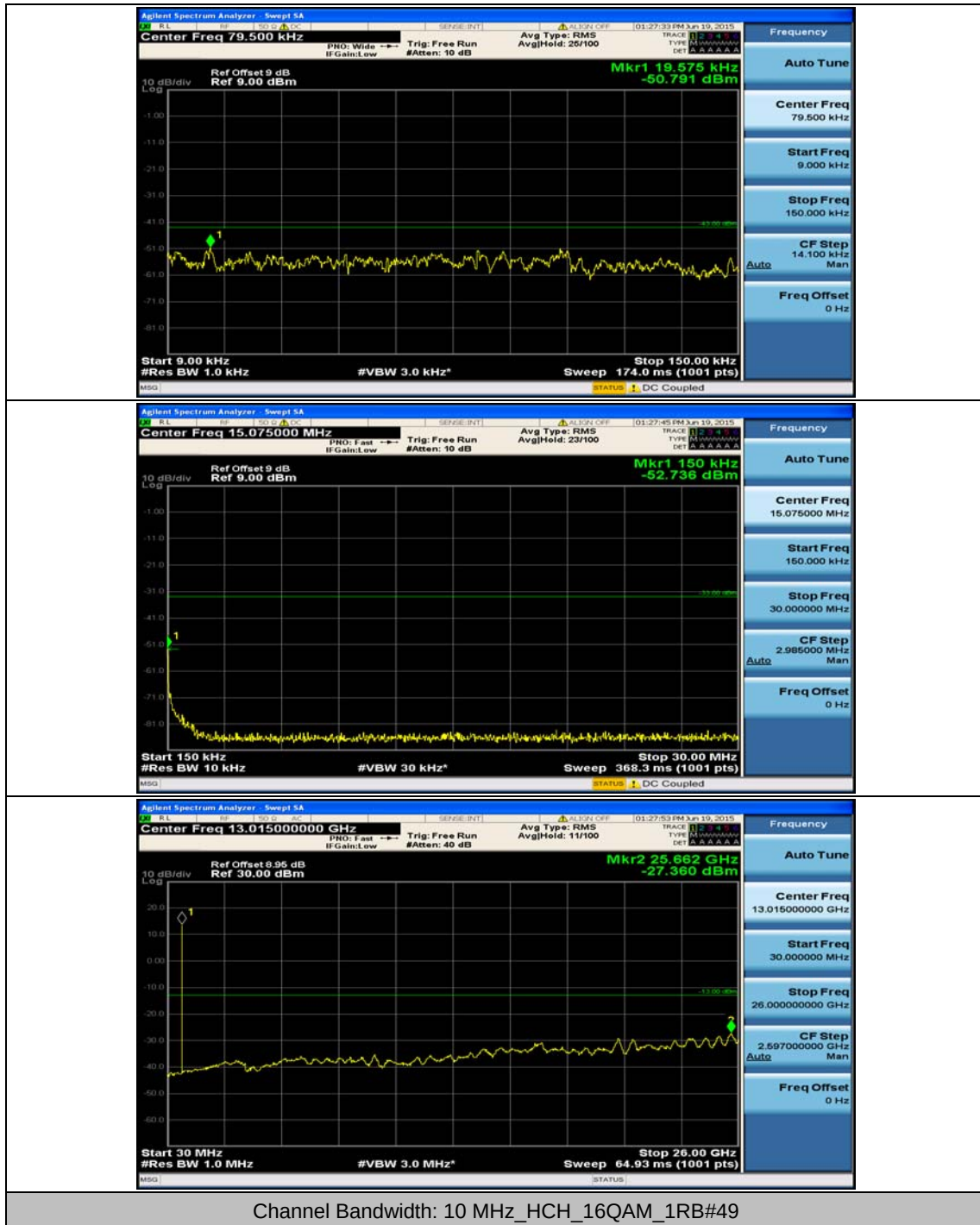


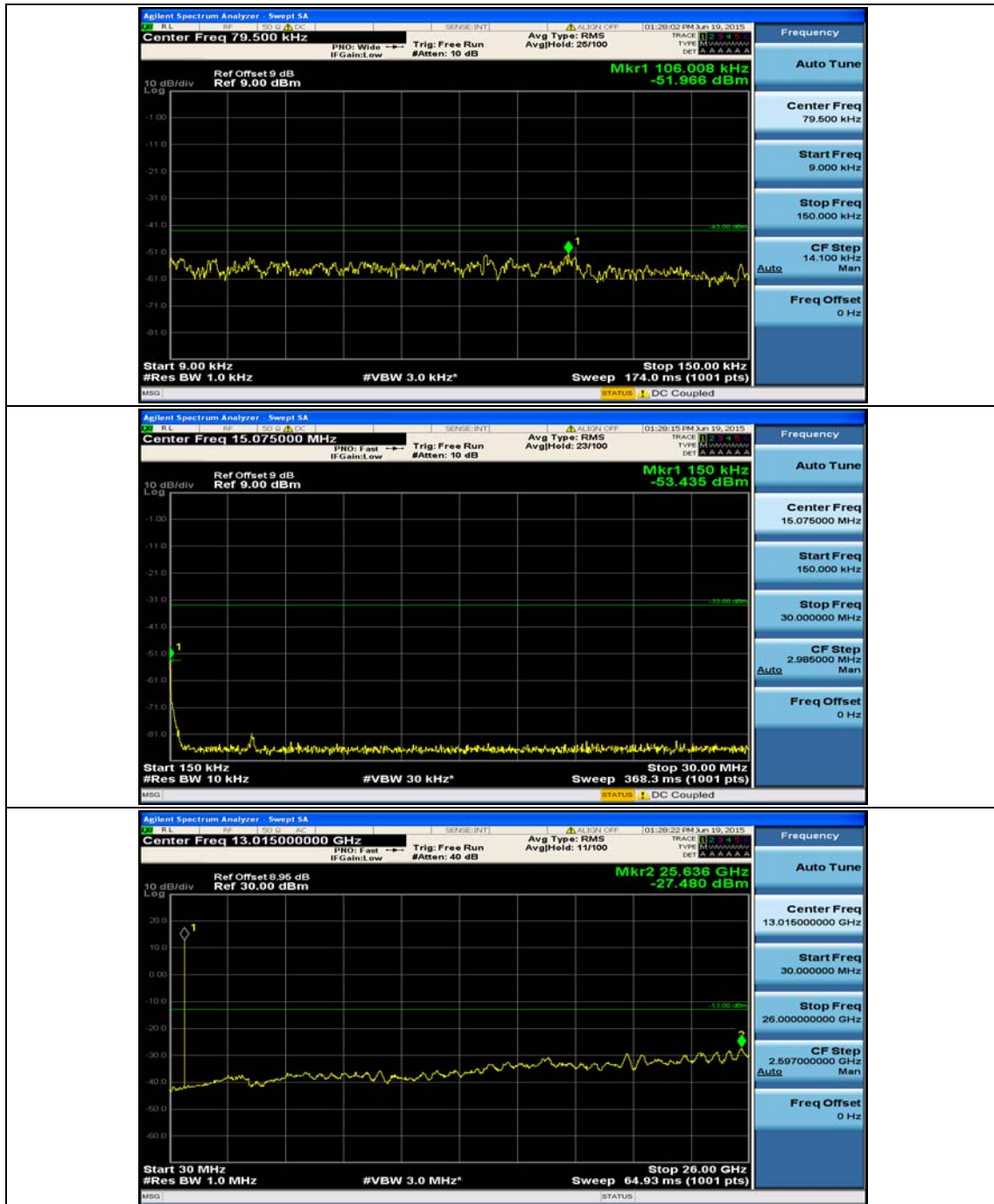


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.42	-0.002005	± 2.5	PASS
		VN	TN	-1.32	-0.001863	± 2.5	PASS
		VH	TN	-1.43	-0.002025	± 2.5	PASS
	MCH	VL	TN	1.49	0.002095	± 2.5	PASS
		VN	TN	1.23	0.001733	± 2.5	PASS
		VH	TN	-0.90	-0.001269	± 2.5	PASS
	HCH	VL	TN	-2.27	-0.003188	± 2.5	PASS
		VN	TN	-0.94	-0.001323	± 2.5	PASS
		VH	TN	-1.65	-0.002306	± 2.5	PASS
16QAM	LCH	VL	TN	-0.70	-0.000992	± 2.5	PASS
		VN	TN	-0.94	-0.001336	± 2.5	PASS
		VH	TN	-1.27	-0.001802	± 2.5	PASS
	MCH	VL	TN	-0.77	-0.001088	± 2.5	PASS
		VN	TN	-0.63	-0.000887	± 2.5	PASS
		VH	TN	-0.26	-0.000363	± 2.5	PASS
	HCH	VL	TN	-2.72	-0.003809	± 2.5	PASS
		VN	TN	-2.13	-0.002987	± 2.5	PASS
		VH	TN	-2.12	-0.002967	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.87	-0.001235	± 2.5	PASS
		VN	-20	-2.23	-0.003159	± 2.5	PASS
		VN	-10	-0.87	-0.001235	± 2.5	PASS
		VN	0	-1.34	-0.001903	± 2.5	PASS
		VN	10	-1.04	-0.001478	± 2.5	PASS
		VN	20	-0.10	-0.000142	± 2.5	PASS
		VN	30	-0.92	-0.001296	± 2.5	PASS
		VN	40	-1.36	-0.001924	± 2.5	PASS
		VN	50	-0.16	-0.000223	± 2.5	PASS
	MCH	VN	-30	-0.30	-0.000423	± 2.5	PASS
		VN	-20	0.60	0.000846	± 2.5	PASS
		VN	-10	0.21	0.000302	± 2.5	PASS

		VN	0	-0.26	-0.000363	± 2.5	PASS
		VN	10	-1.30	-0.001833	± 2.5	PASS
		VN	20	-0.51	-0.000725	± 2.5	PASS
		VN	30	0.37	0.000524	± 2.5	PASS
		VN	40	-0.46	-0.000645	± 2.5	PASS
		VN	50	-0.16	-0.000222	± 2.5	PASS
	HCH	VN	-30	-2.05	-0.002867	± 2.5	PASS
		VN	-20	-1.60	-0.002246	± 2.5	PASS
		VN	-10	-2.26	-0.003168	± 2.5	PASS
		VN	0	-2.69	-0.003769	± 2.5	PASS
		VN	10	-2.10	-0.002947	± 2.5	PASS
		VN	20	-0.97	-0.001363	± 2.5	PASS
		VN	30	-1.69	-0.002366	± 2.5	PASS
		VN	40	-2.59	-0.003629	± 2.5	PASS
		VN	50	-1.70	-0.002386	± 2.5	PASS
		VN	-30	-2.98	-0.004212	± 2.5	PASS
16QAM	LCH	VN	-20	-2.10	-0.002976	± 2.5	PASS
		VN	-10	-1.59	-0.002248	± 2.5	PASS
		VN	0	-0.34	-0.000486	± 2.5	PASS
		VN	10	-1.83	-0.002592	± 2.5	PASS
		VN	20	-1.95	-0.002754	± 2.5	PASS
		VN	30	-1.89	-0.002673	± 2.5	PASS
		VN	40	-1.40	-0.001984	± 2.5	PASS
		VN	50	-2.56	-0.003624	± 2.5	PASS
	MCH	VN	-30	-0.26	-0.000363	± 2.5	PASS
		VN	-20	-0.19	-0.000262	± 2.5	PASS
		VN	-10	-0.94	-0.001330	± 2.5	PASS
		VN	0	-0.19	-0.000262	± 2.5	PASS
		VN	10	-1.43	-0.002015	± 2.5	PASS
		VN	20	-0.70	-0.000987	± 2.5	PASS
		VN	30	-0.53	-0.000745	± 2.5	PASS
		VN	40	-1.27	-0.001793	± 2.5	PASS
		VN	50	0.06	0.000081	± 2.5	PASS
	HCH	VN	-30	-2.47	-0.003469	± 2.5	PASS
		VN	-20	-2.26	-0.003168	± 2.5	PASS
		VN	-10	-2.49	-0.003489	± 2.5	PASS
		VN	0	-3.52	-0.004932	± 2.5	PASS
		VN	10	-2.02	-0.002827	± 2.5	PASS
		VN	20	-2.92	-0.004090	± 2.5	PASS
		VN	30	-2.78	-0.003890	± 2.5	PASS
		VN	40	-2.65	-0.003709	± 2.5	PASS
		VN	50	-2.72	-0.003809	± 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	-1.19	-0.001675	± 2.5	PASS
		VN	TN	-1.02	-0.001433	± 2.5	PASS
		VH	TN	-2.05	-0.002885	± 2.5	PASS
	MCH	VL	TN	-1.10	-0.001551	± 2.5	PASS
		VN	TN	0.30	0.000423	± 2.5	PASS
		VH	TN	0.86	0.001209	± 2.5	PASS
	HCH	VL	TN	-0.57	-0.000805	± 2.5	PASS
		VN	TN	-1.14	-0.001610	± 2.5	PASS
		VH	TN	-0.67	-0.000946	± 2.5	PASS
16QAM	LCH	VL	TN	-1.14	-0.001614	± 2.5	PASS
		VN	TN	-1.90	-0.002683	± 2.5	PASS
		VH	TN	-3.30	-0.004661	± 2.5	PASS
	MCH	VL	TN	-0.49	-0.000685	± 2.5	PASS
		VN	TN	-1.67	-0.002357	± 2.5	PASS
		VH	TN	-1.07	-0.001511	± 2.5	PASS
	HCH	VL	TN	0.10	0.000141	± 2.5	PASS
		VN	TN	-1.34	-0.001891	± 2.5	PASS
		VH	TN	-0.21	-0.000302	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-2.68	-0.003773	± 2.5	PASS
		VN	-20	-3.33	-0.004701	± 2.5	PASS
		VN	-10	-2.33	-0.003289	± 2.5	PASS
		VN	0	-0.77	-0.001090	± 2.5	PASS
		VN	10	-2.12	-0.002986	± 2.5	PASS
		VN	20	-1.54	-0.002179	± 2.5	PASS
		VN	30	-2.06	-0.002905	± 2.5	PASS
		VN	40	-1.93	-0.002724	± 2.5	PASS
		VN	50	-2.20	-0.003107	± 2.5	PASS
	MCH	VN	-30	-0.44	-0.000625	± 2.5	PASS
		VN	-20	1.00	0.001410	± 2.5	PASS
		VN	-10	-0.10	-0.000141	± 2.5	PASS
		VN	0	1.42	0.001995	± 2.5	PASS
		VN	10	-0.36	-0.000504	± 2.5	PASS
		VN	20	-0.09	-0.000121	± 2.5	PASS
		VN	30	0.63	0.000887	± 2.5	PASS
		VN	40	-0.29	-0.000403	± 2.5	PASS
		VN	50	-0.54	-0.000766	± 2.5	PASS
	HCH	VN	-30	-0.89	-0.001247	± 2.5	PASS
		VN	-20	-0.27	-0.000382	± 2.5	PASS
		VN	-10	-0.17	-0.000241	± 2.5	PASS
		VN	0	-0.29	-0.000402	± 2.5	PASS
		VN	10	-0.84	-0.001187	± 2.5	PASS
		VN	20	-1.39	-0.001952	± 2.5	PASS
		VN	30	-0.84	-0.001187	± 2.5	PASS
		VN	40	-0.27	-0.000382	± 2.5	PASS
		VN	50	-1.79	-0.002515	± 2.5	PASS
QPSK	LCH	VN	-30	-1.77	-0.002502	± 2.5	PASS
		VN	-20	-2.06	-0.002905	± 2.5	PASS

		VN	-10	-2.75	-0.003874	± 2.5	PASS
		VN	0	-2.65	-0.003733	± 2.5	PASS
		VN	10	-1.04	-0.001473	± 2.5	PASS
		VN	20	-2.49	-0.003511	± 2.5	PASS
		VN	30	-3.38	-0.004762	± 2.5	PASS
		VN	40	-2.76	-0.003894	± 2.5	PASS
		VN	50	-1.87	-0.002643	± 2.5	PASS
	MCH	VN	-30	-0.54	-0.000766	± 2.5	PASS
		VN	-20	-2.42	-0.003405	± 2.5	PASS
		VN	-10	-1.06	-0.001491	± 2.5	PASS
		VN	0	-0.93	-0.001310	± 2.5	PASS
		VN	10	-2.02	-0.002841	± 2.5	PASS
		VN	20	-1.20	-0.001692	± 2.5	PASS
		VN	30	-0.50	-0.000705	± 2.5	PASS
		VN	40	-0.99	-0.001390	± 2.5	PASS
		VN	50	0.16	0.000222	± 2.5	PASS
	HCH	VN	-30	-1.37	-0.001931	± 2.5	PASS
		VN	-20	0.40	0.000563	± 2.5	PASS
		VN	-10	0.60	0.000845	± 2.5	PASS
		VN	0	-1.42	-0.001992	± 2.5	PASS
		VN	10	0.63	0.000885	± 2.5	PASS
		VN	20	-0.80	-0.001127	± 2.5	PASS
		VN	30	-0.93	-0.001308	± 2.5	PASS
		VN	40	-0.87	-0.001227	± 2.5	PASS
		VN	50	-0.17	-0.000241	± 2.5	PASS