



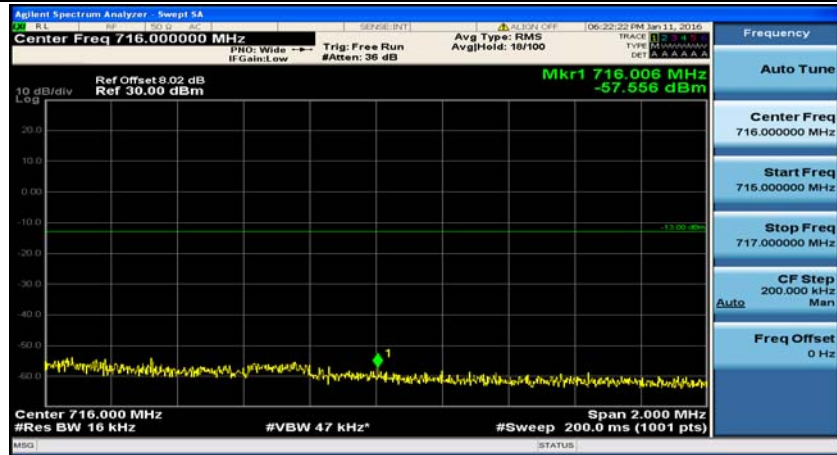
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



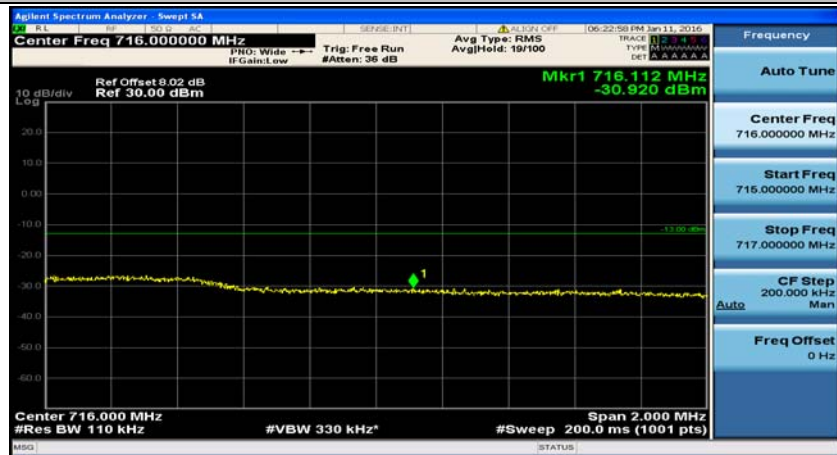
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



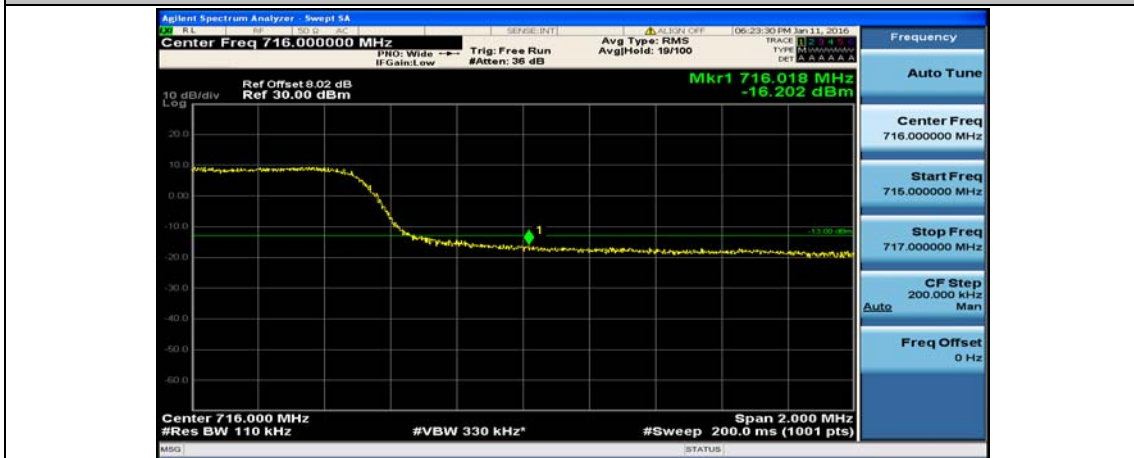
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



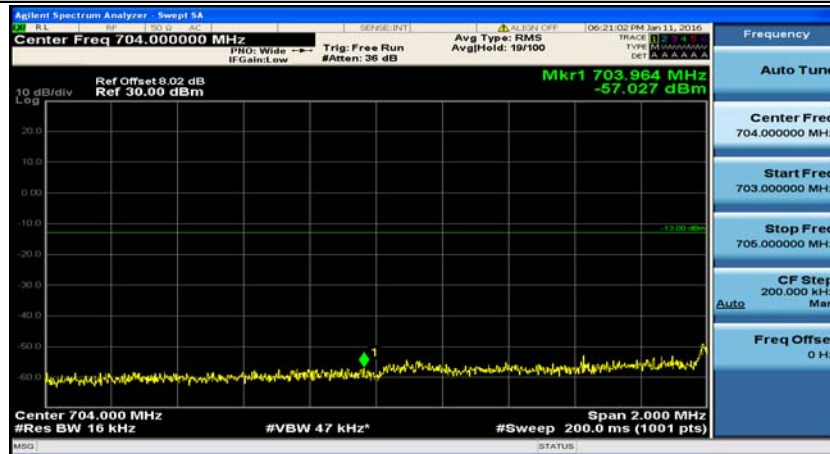
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Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



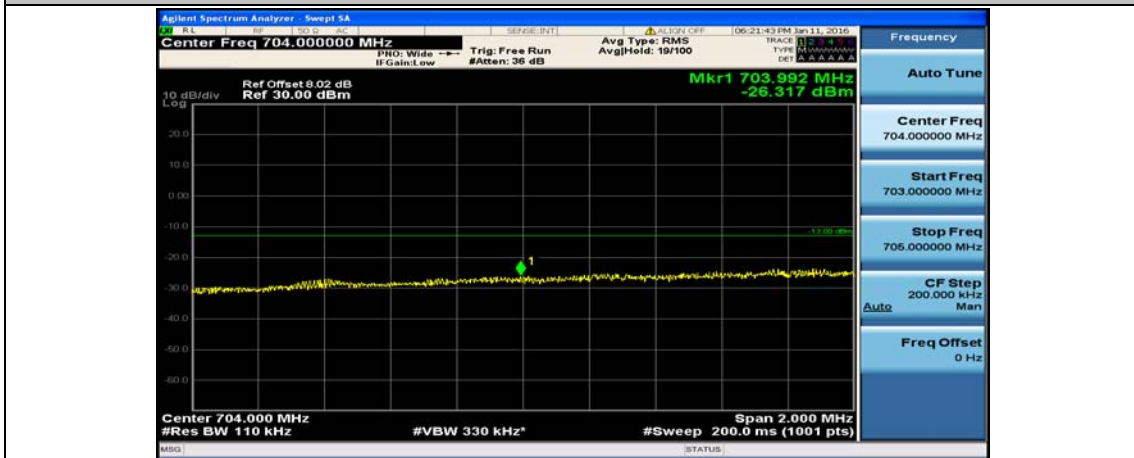
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Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



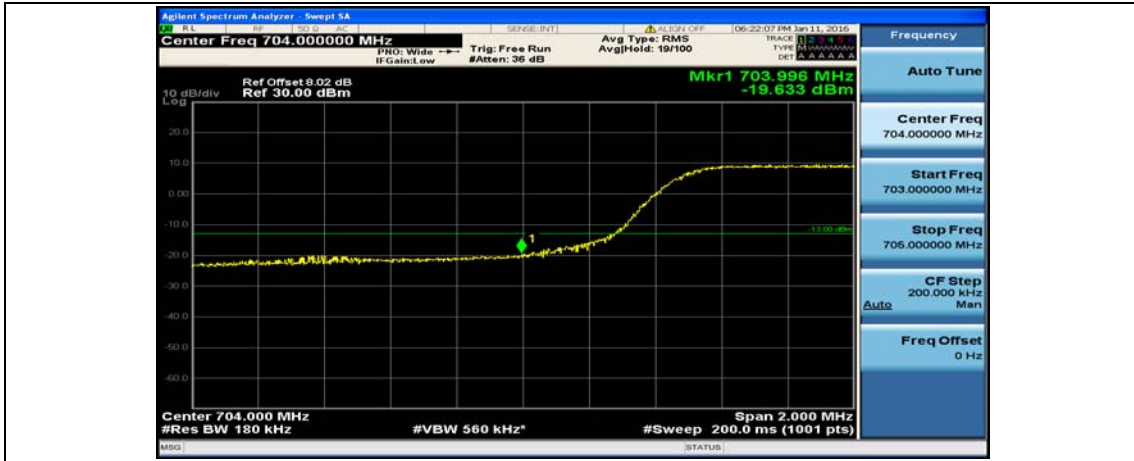
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



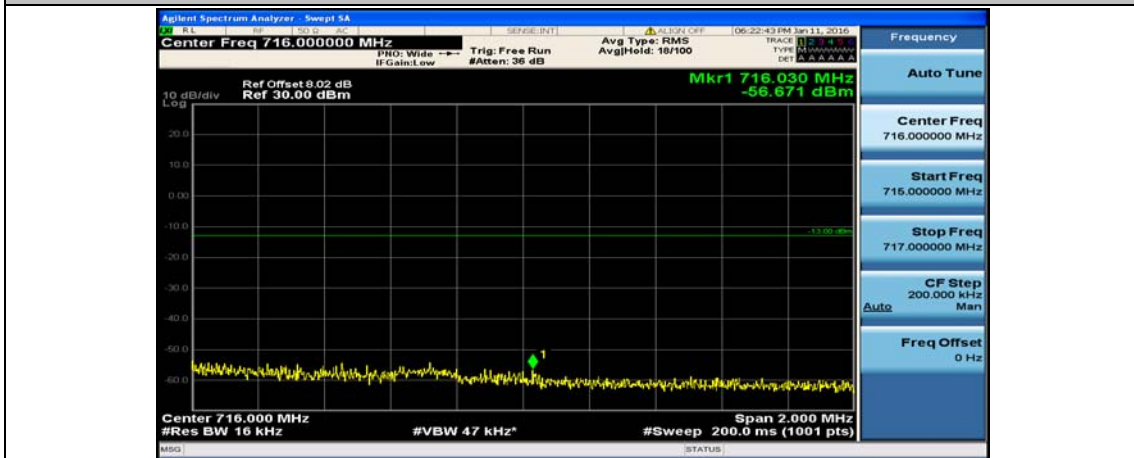
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



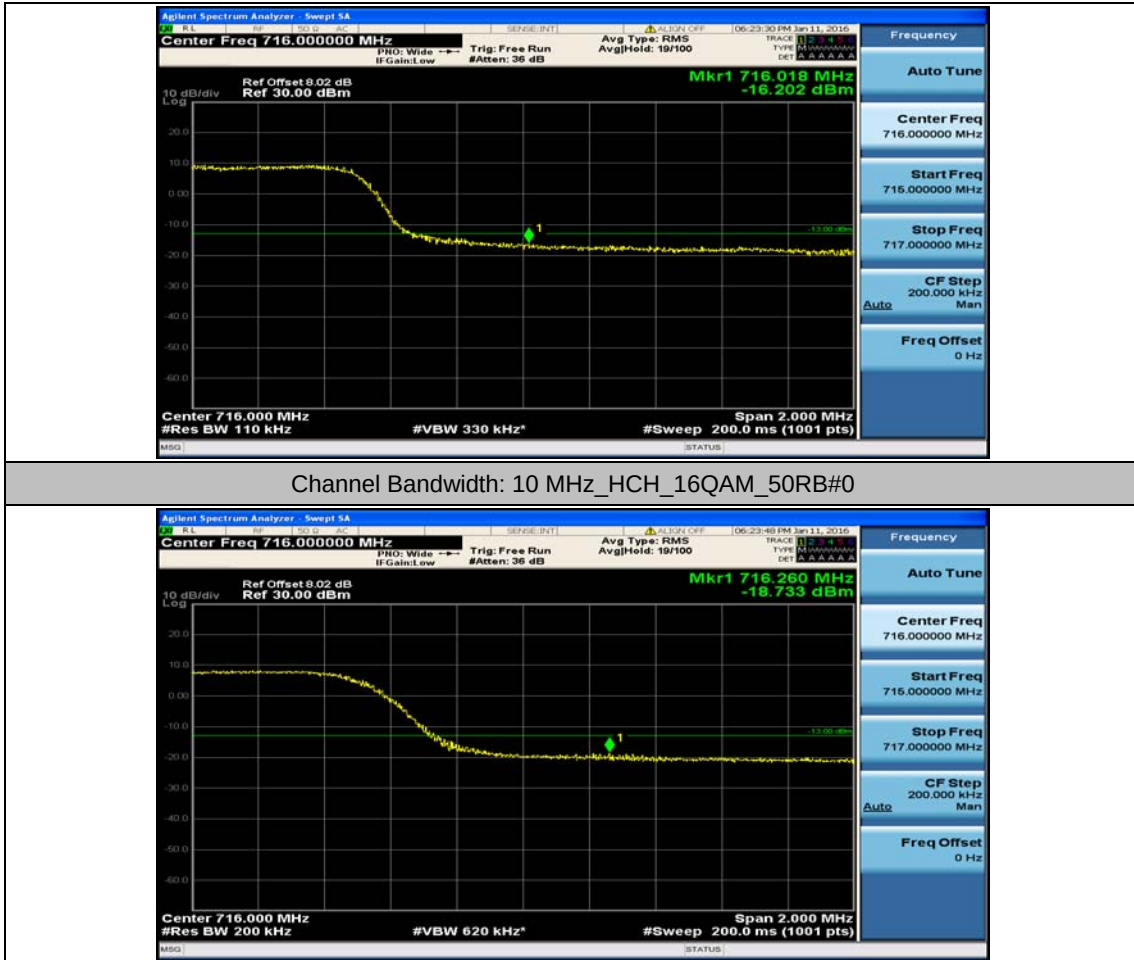
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

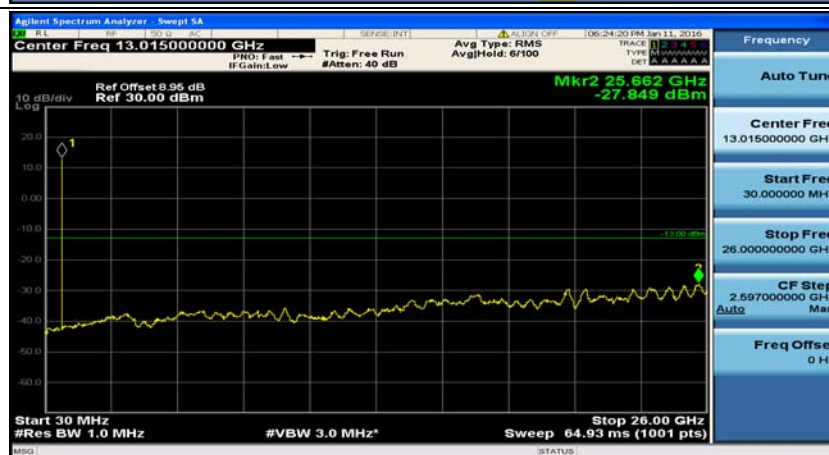
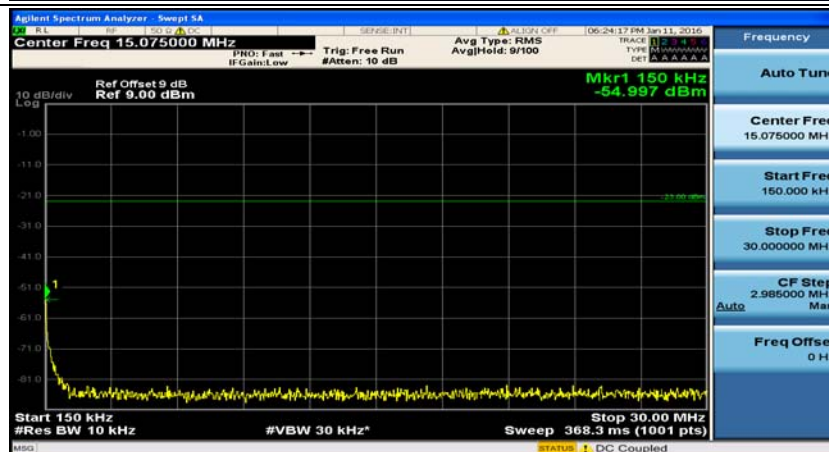
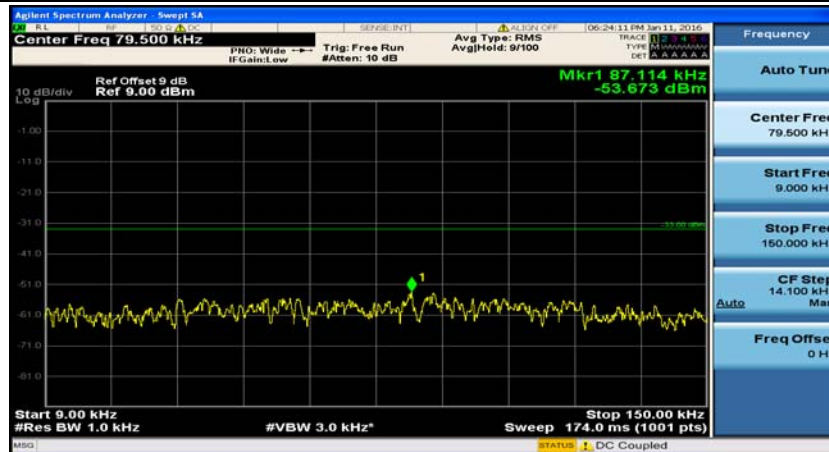


Appendix E: Conducted Spurious Emission

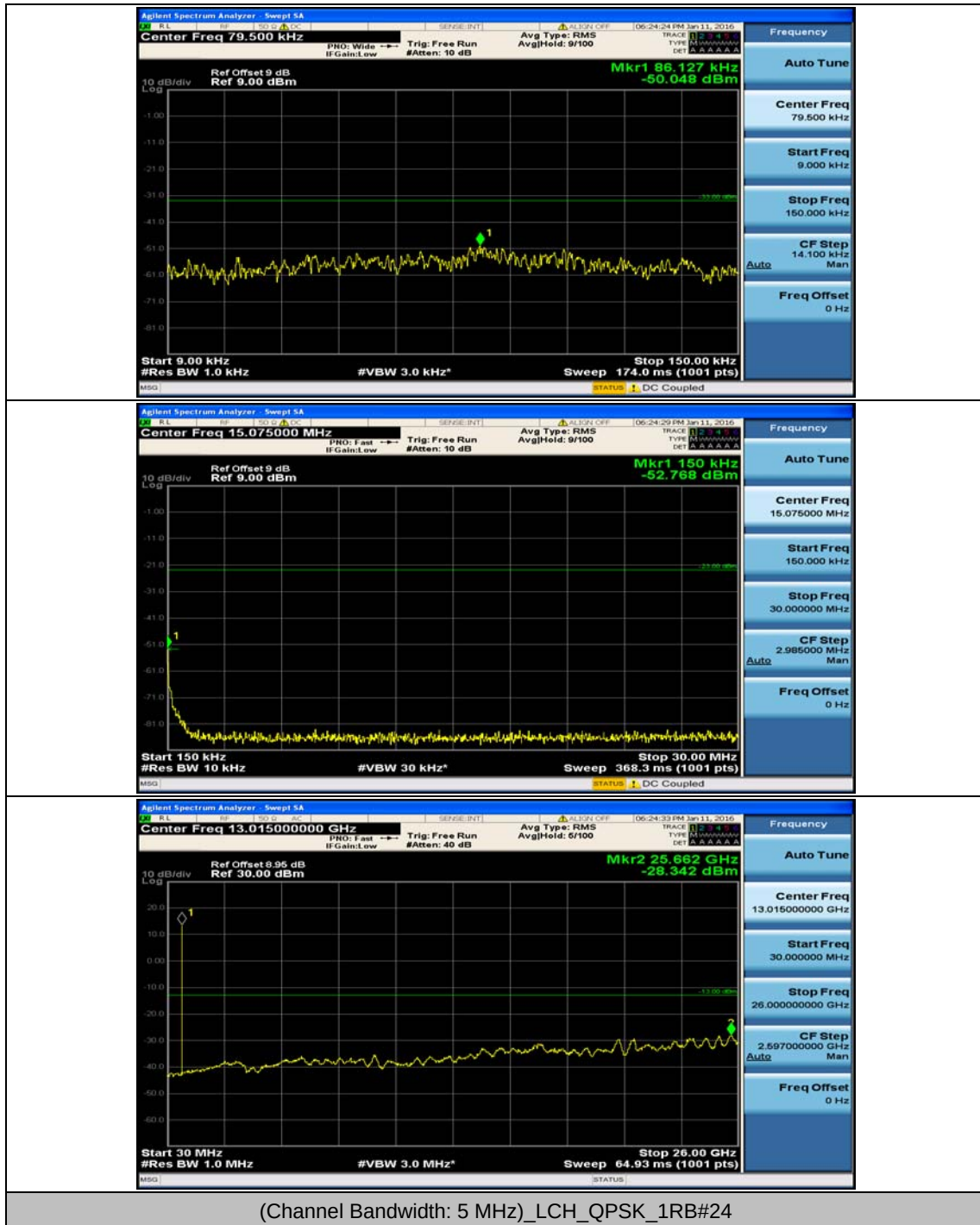
Test Graphs

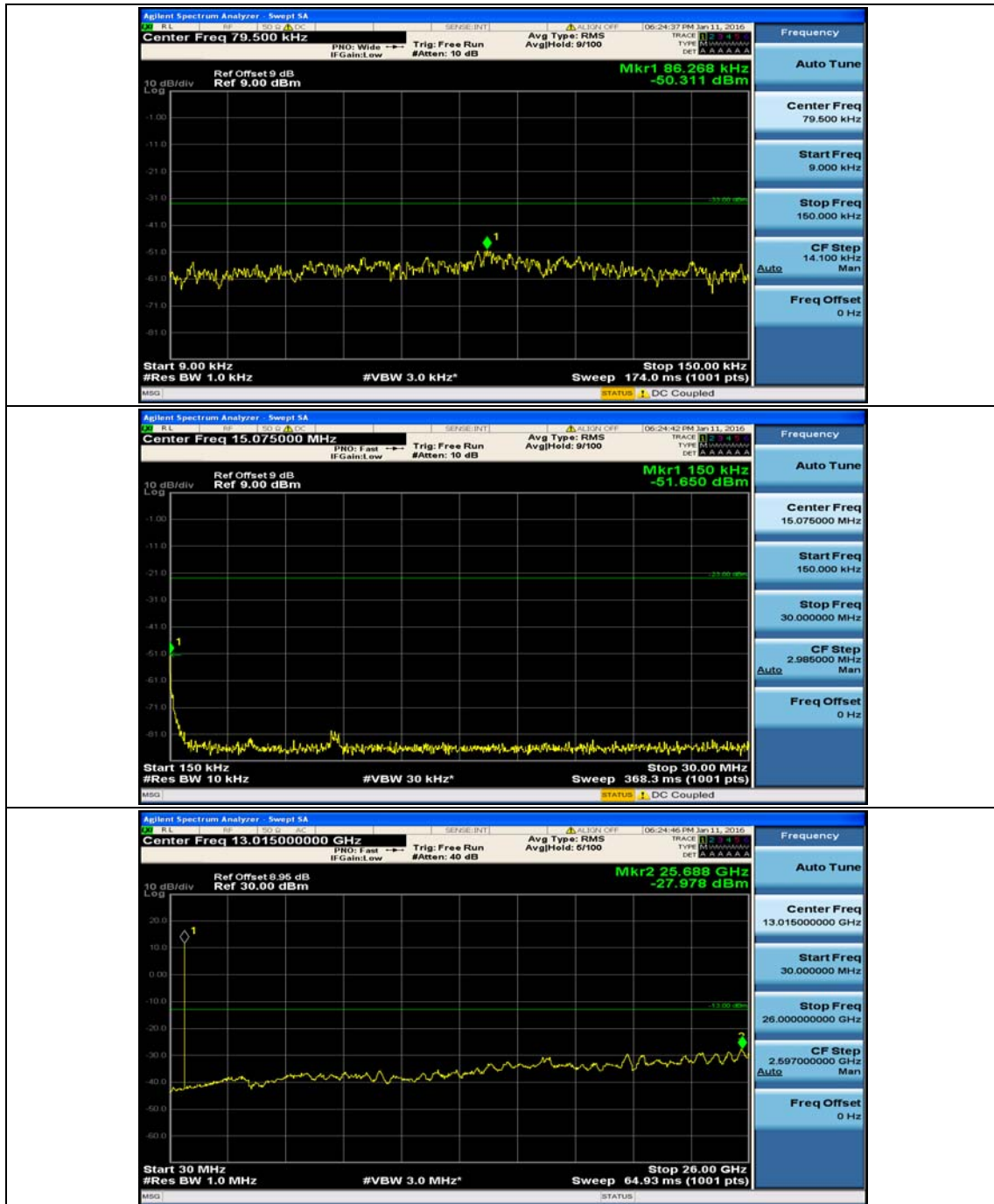
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

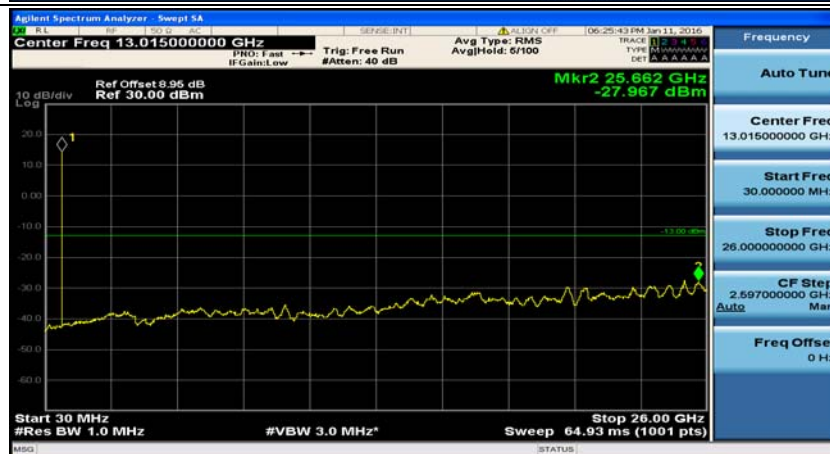
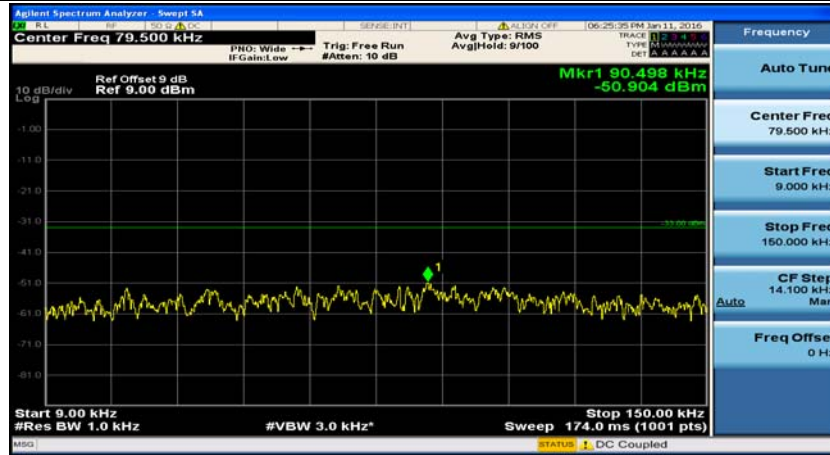


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

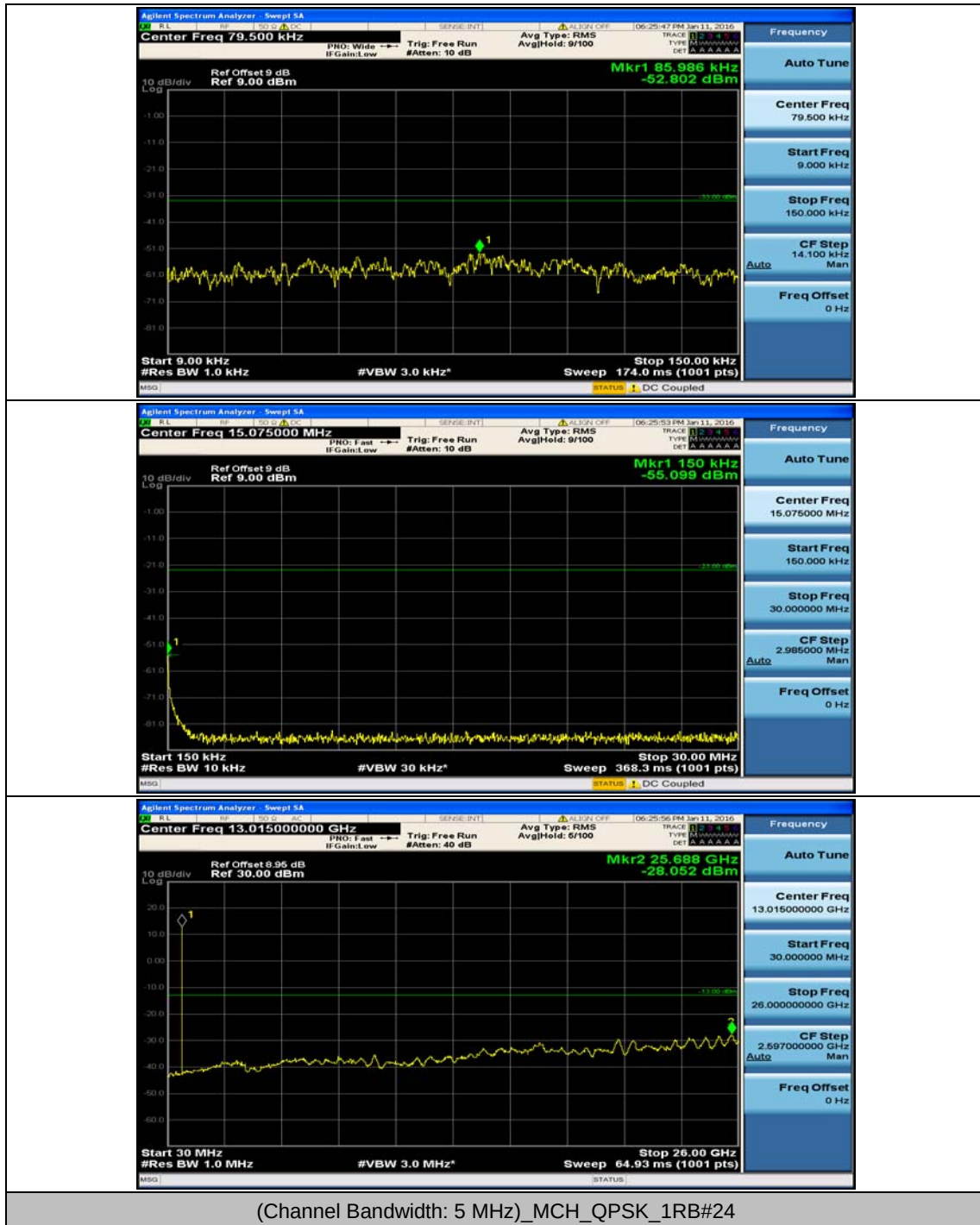


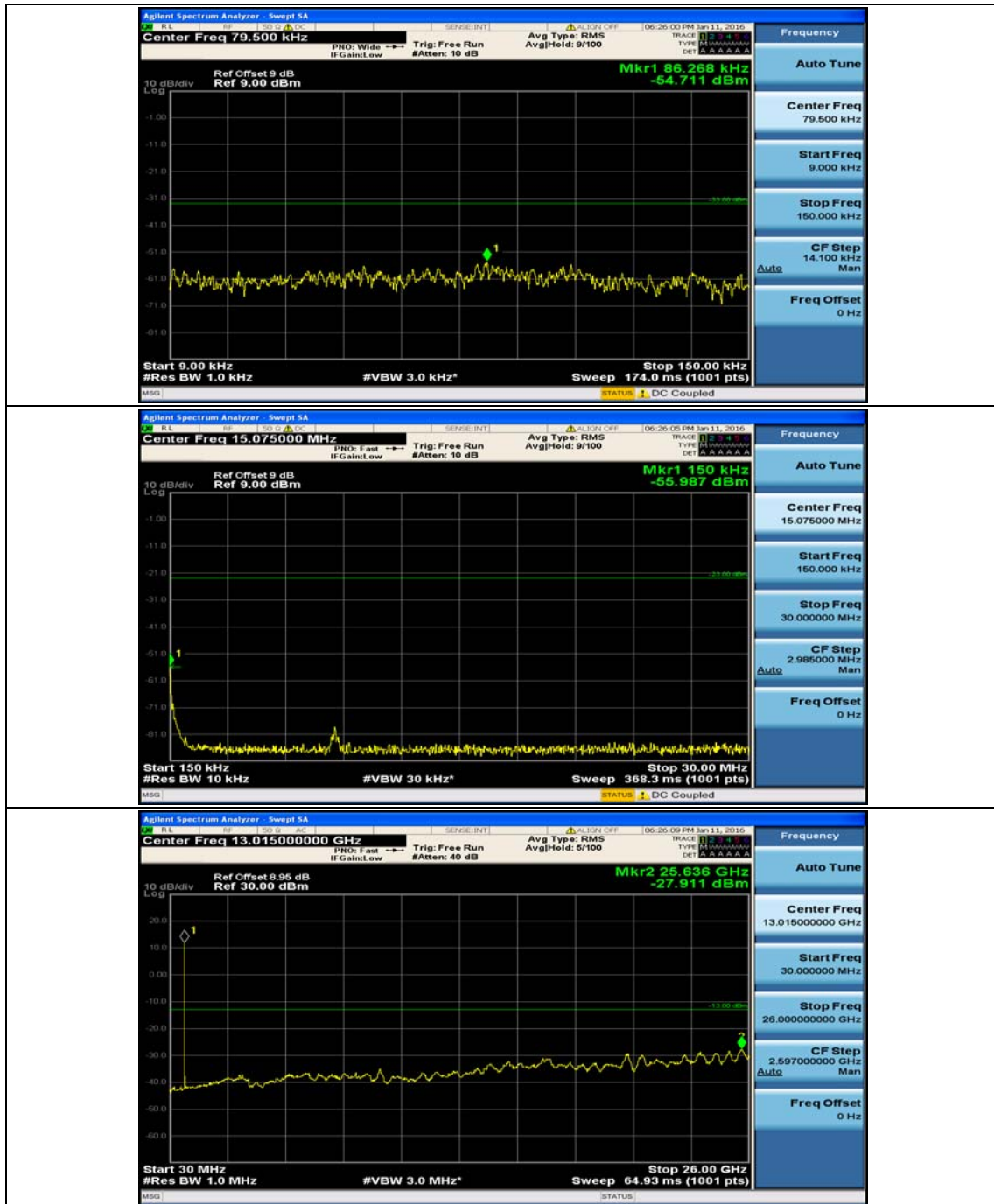


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

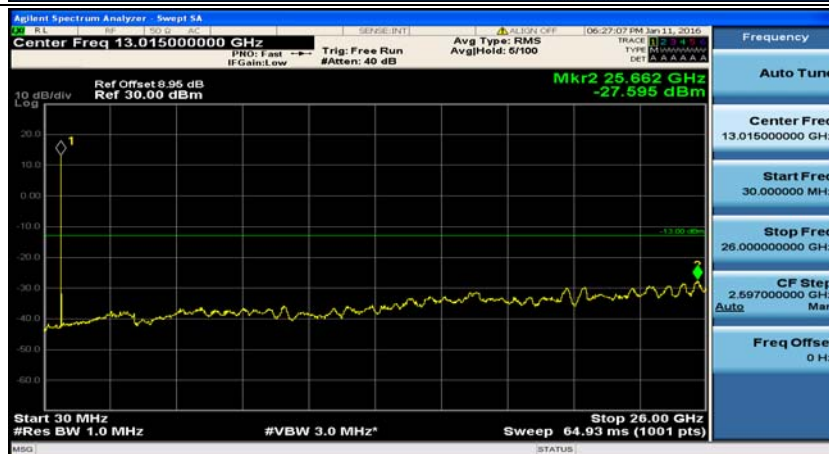
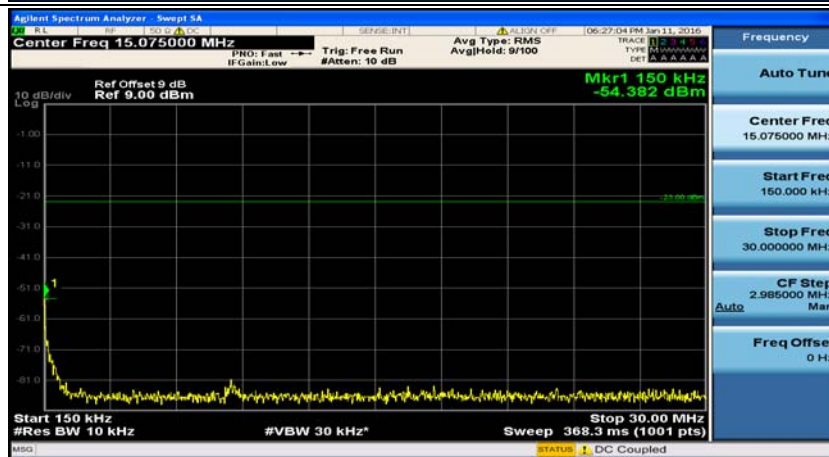
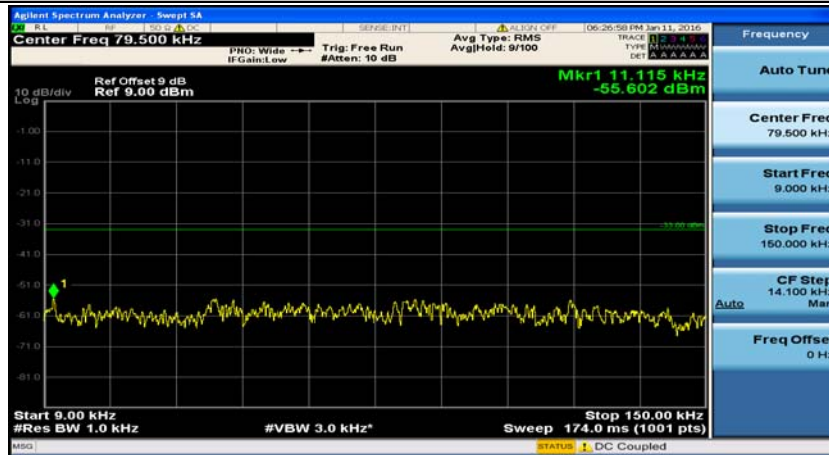


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

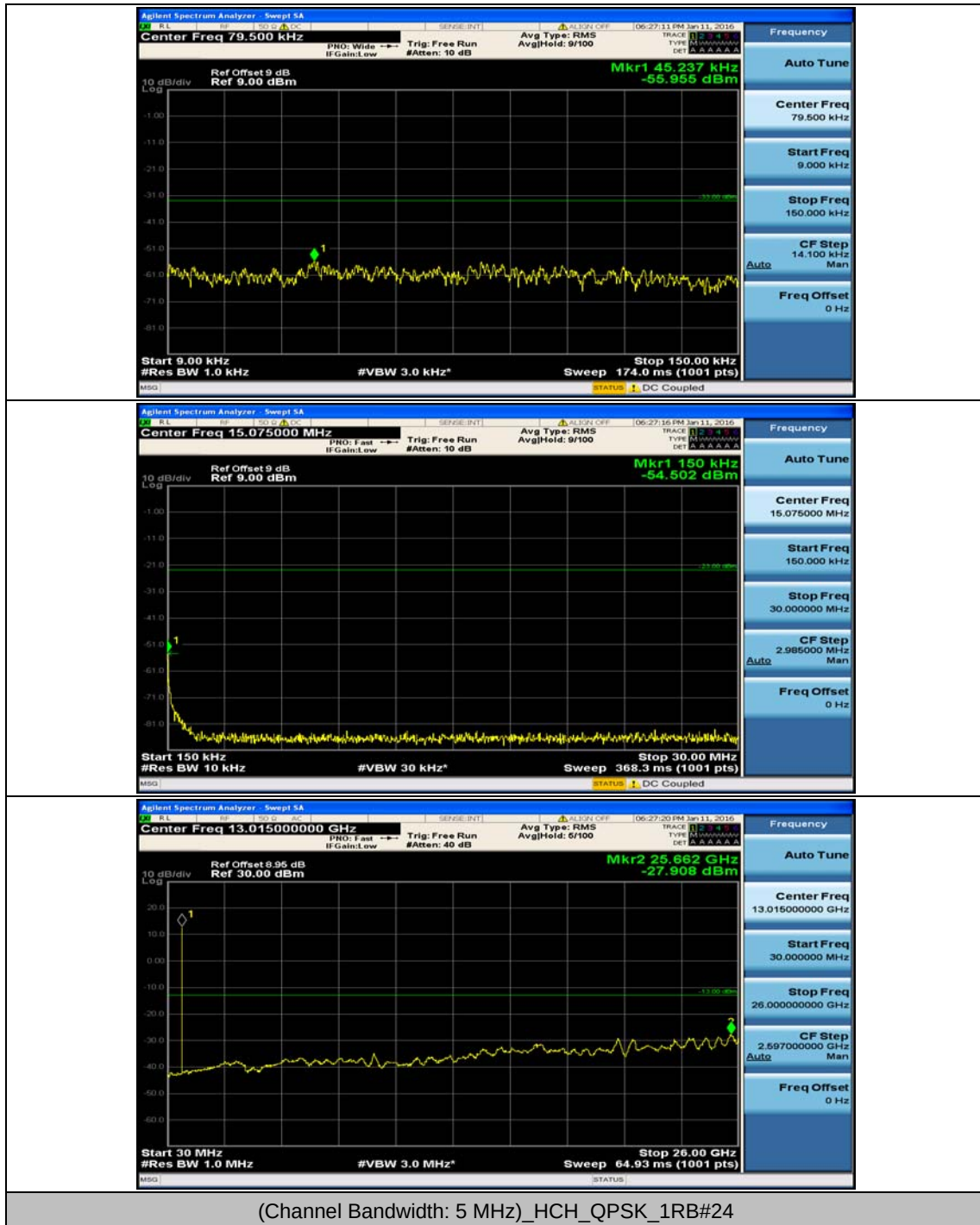


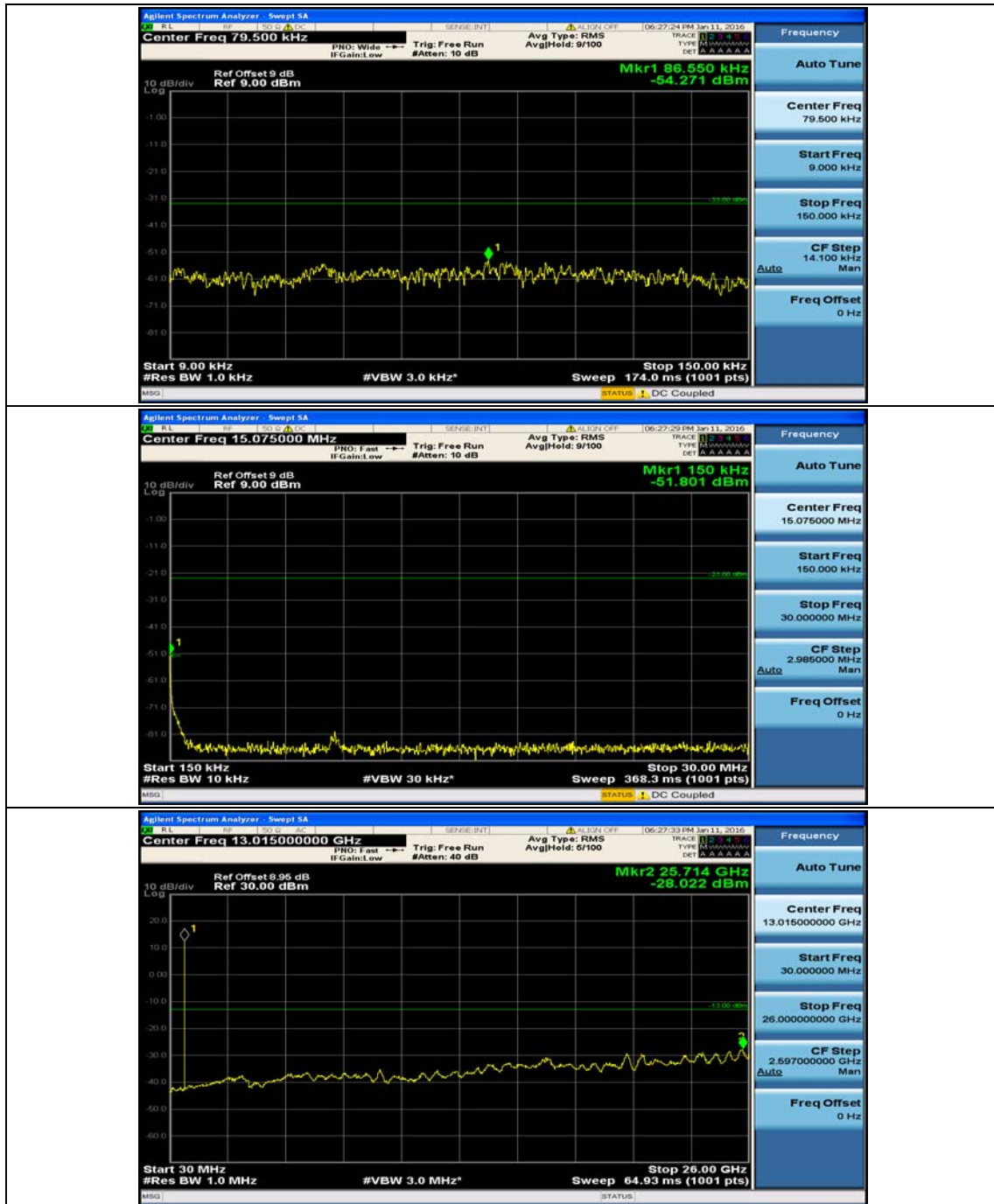


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

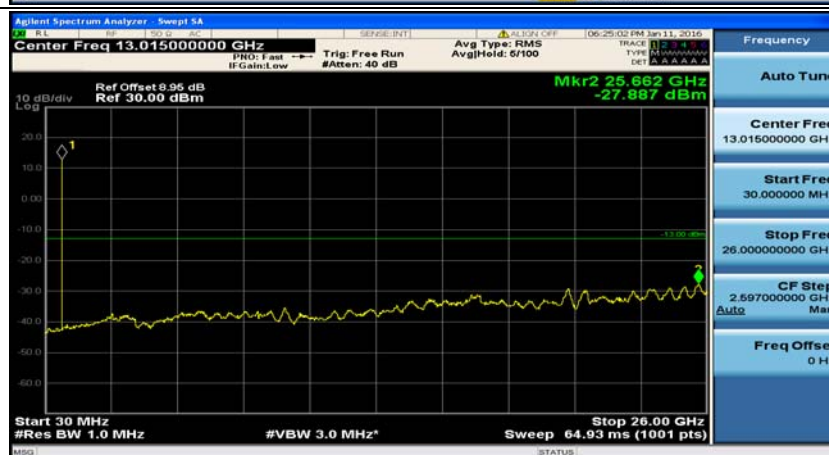
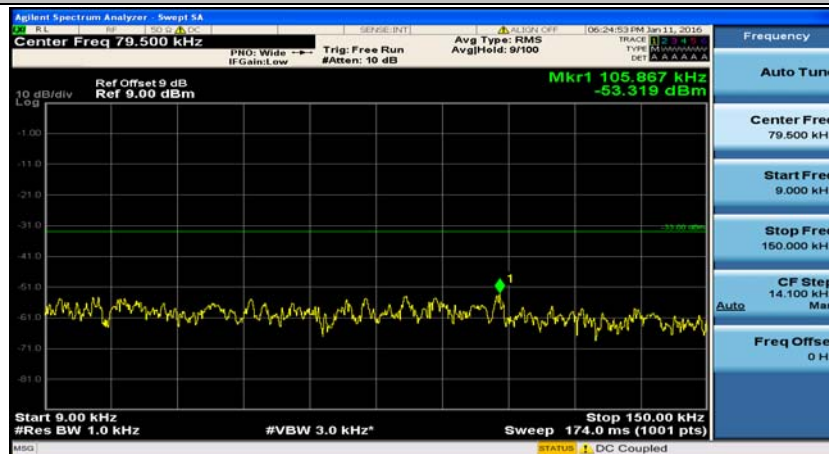


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

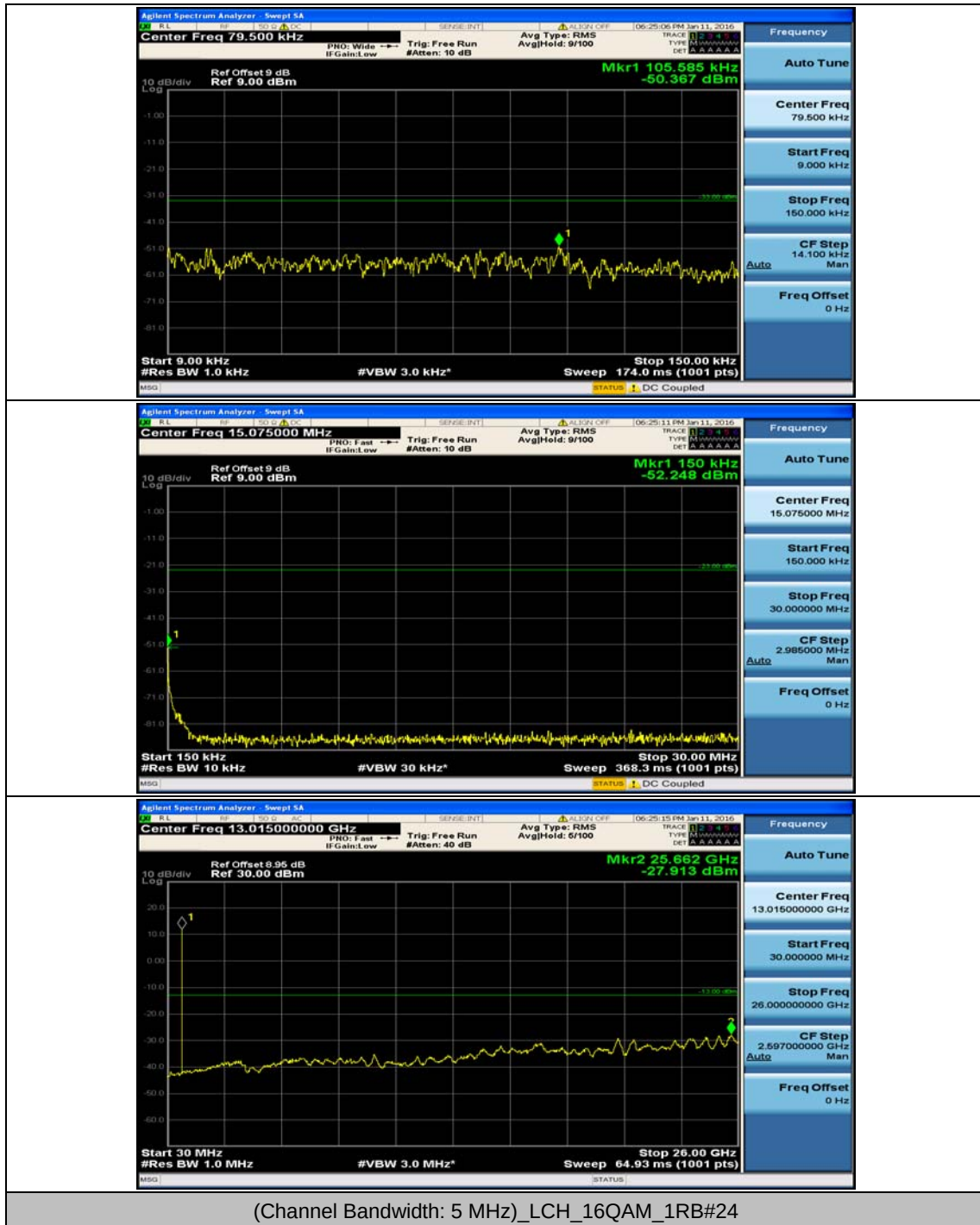


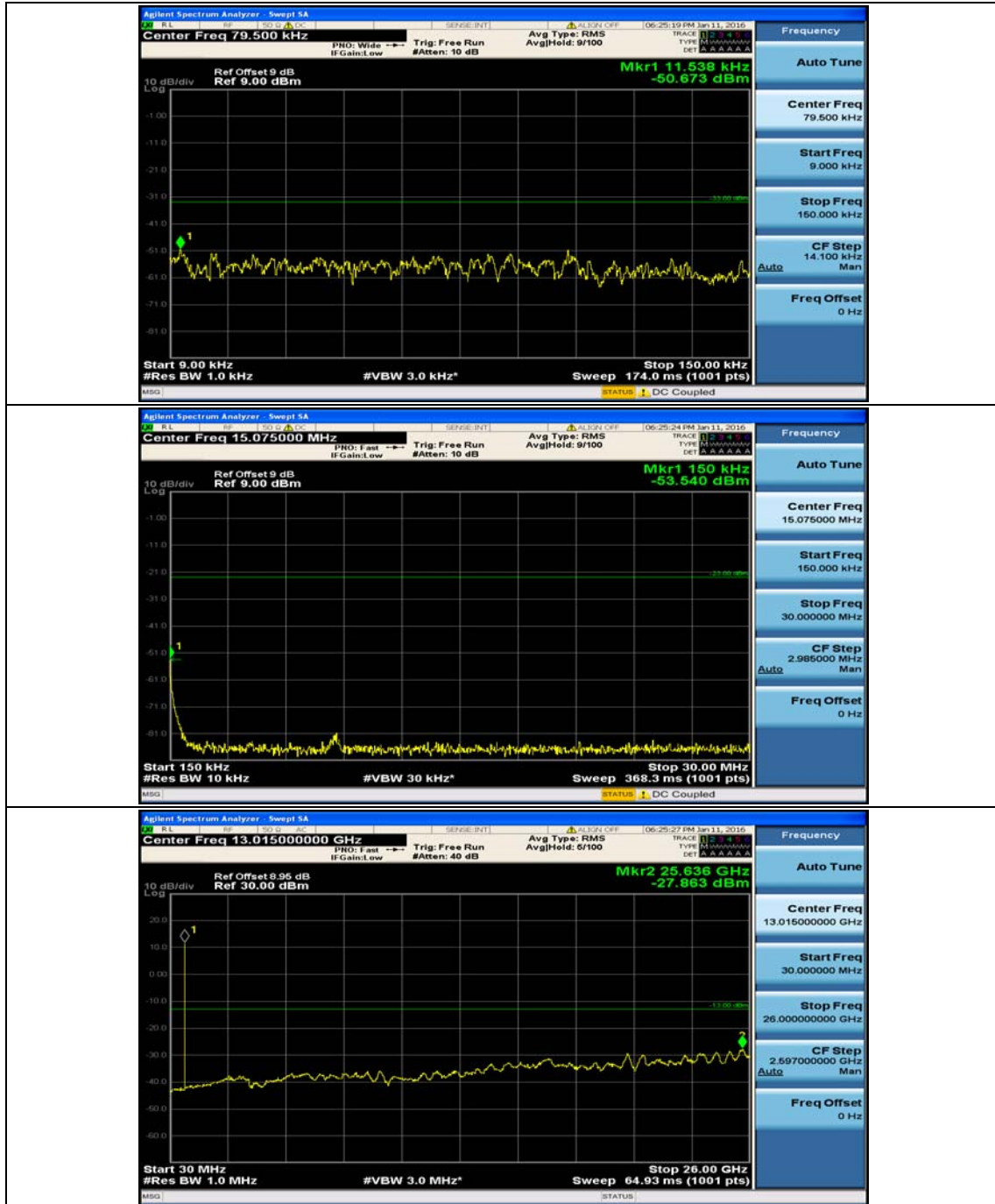


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

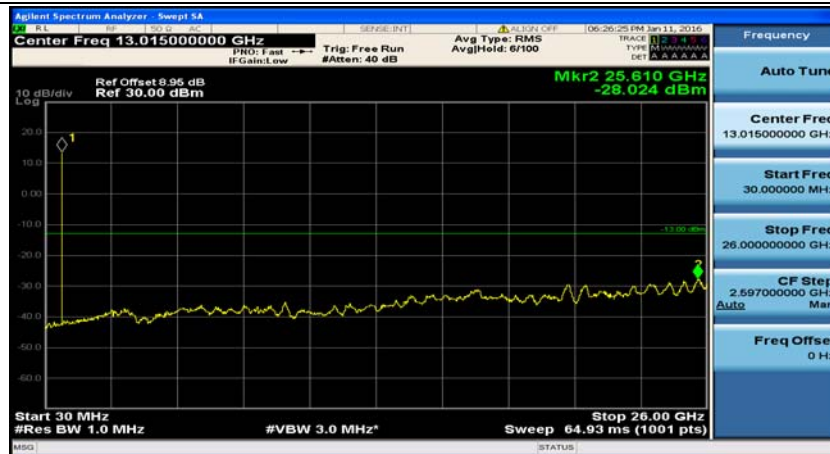
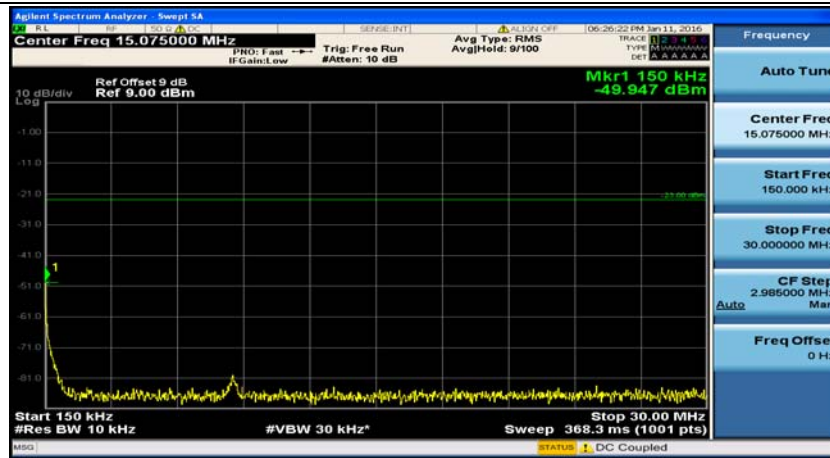
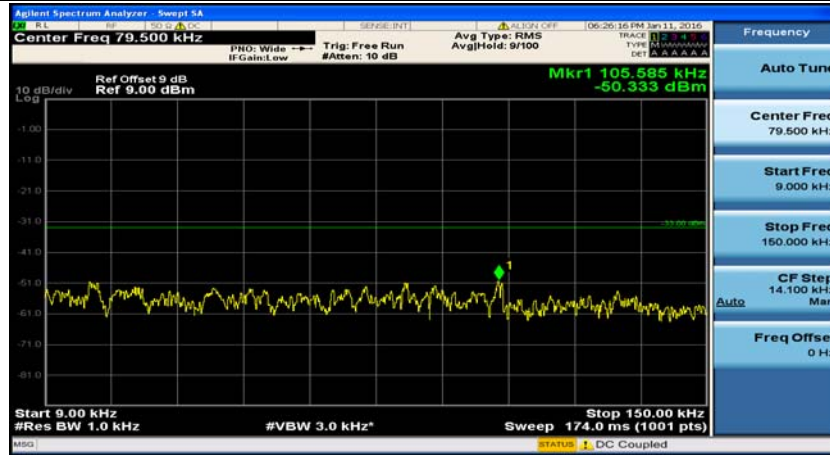


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

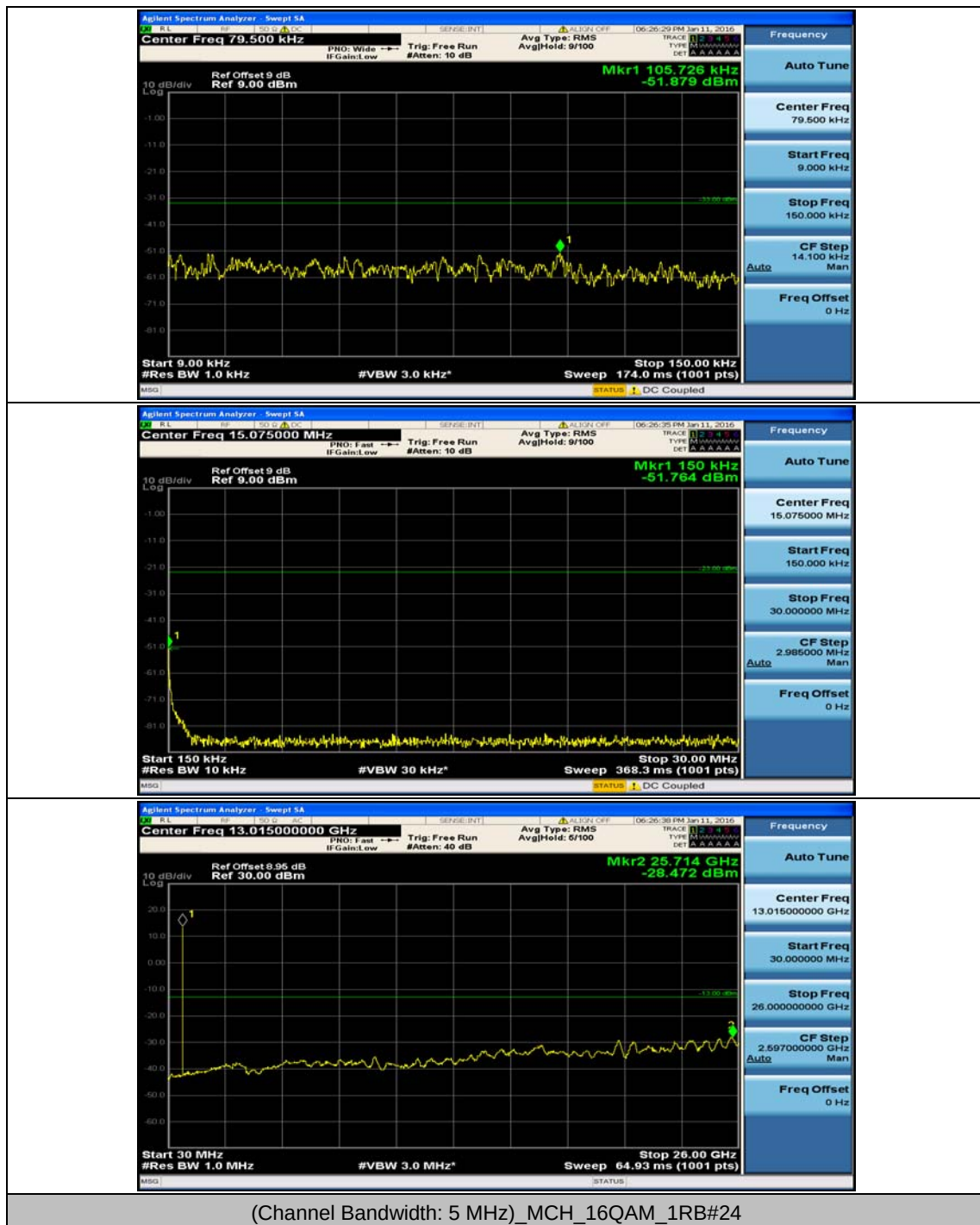


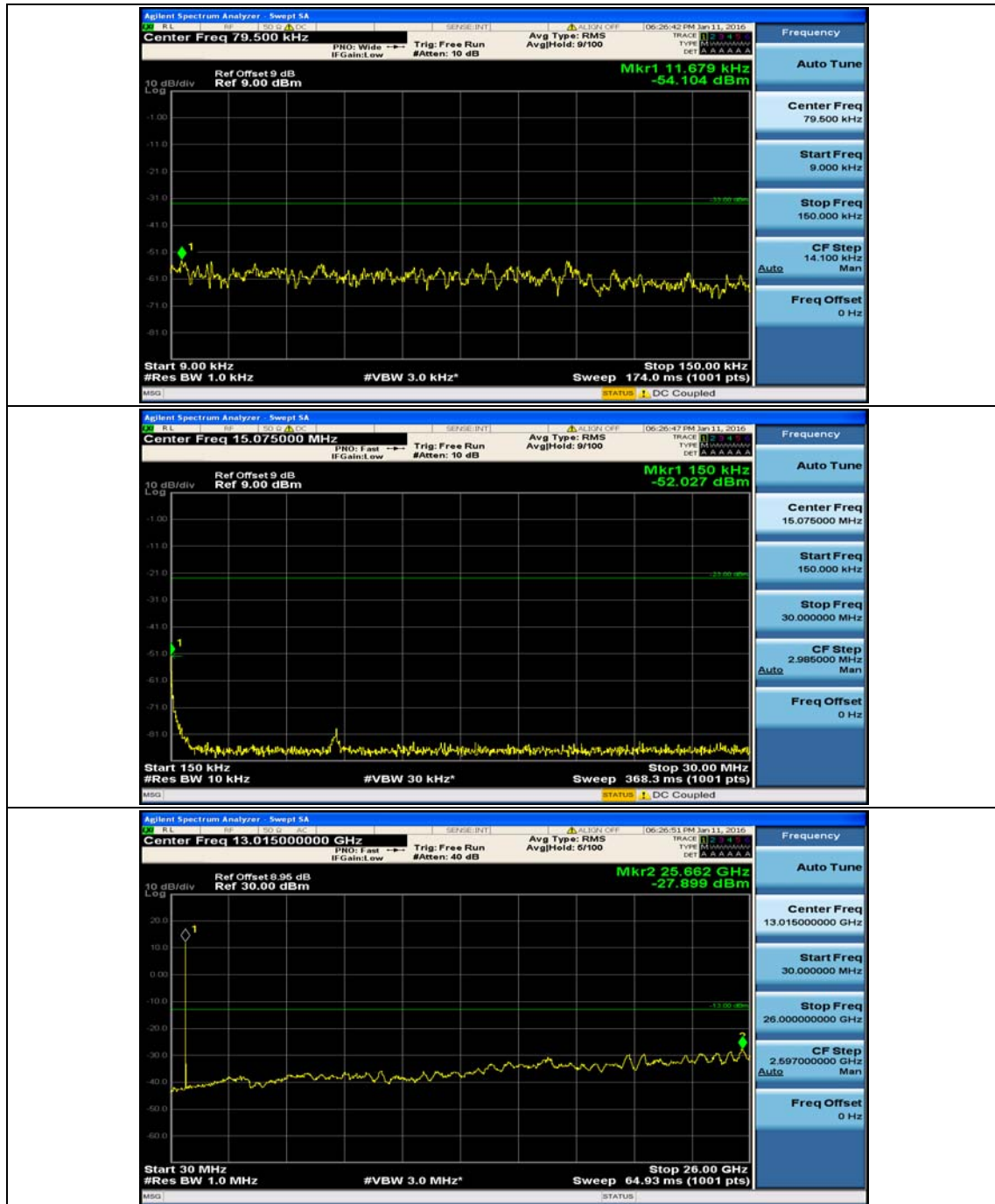


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

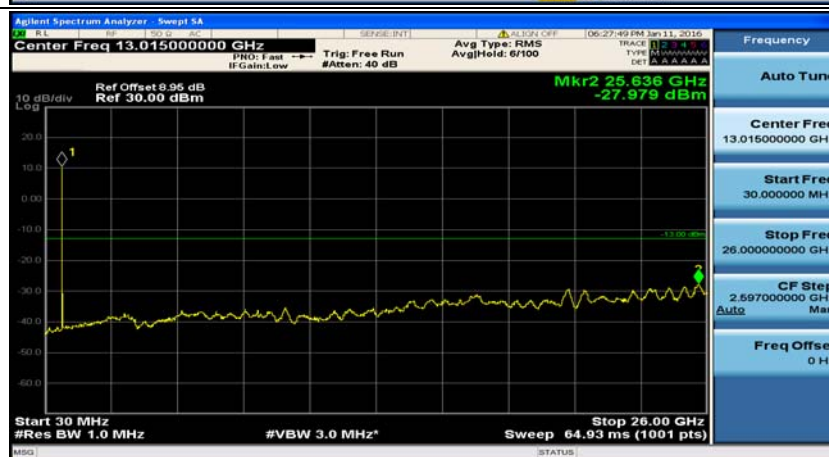


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

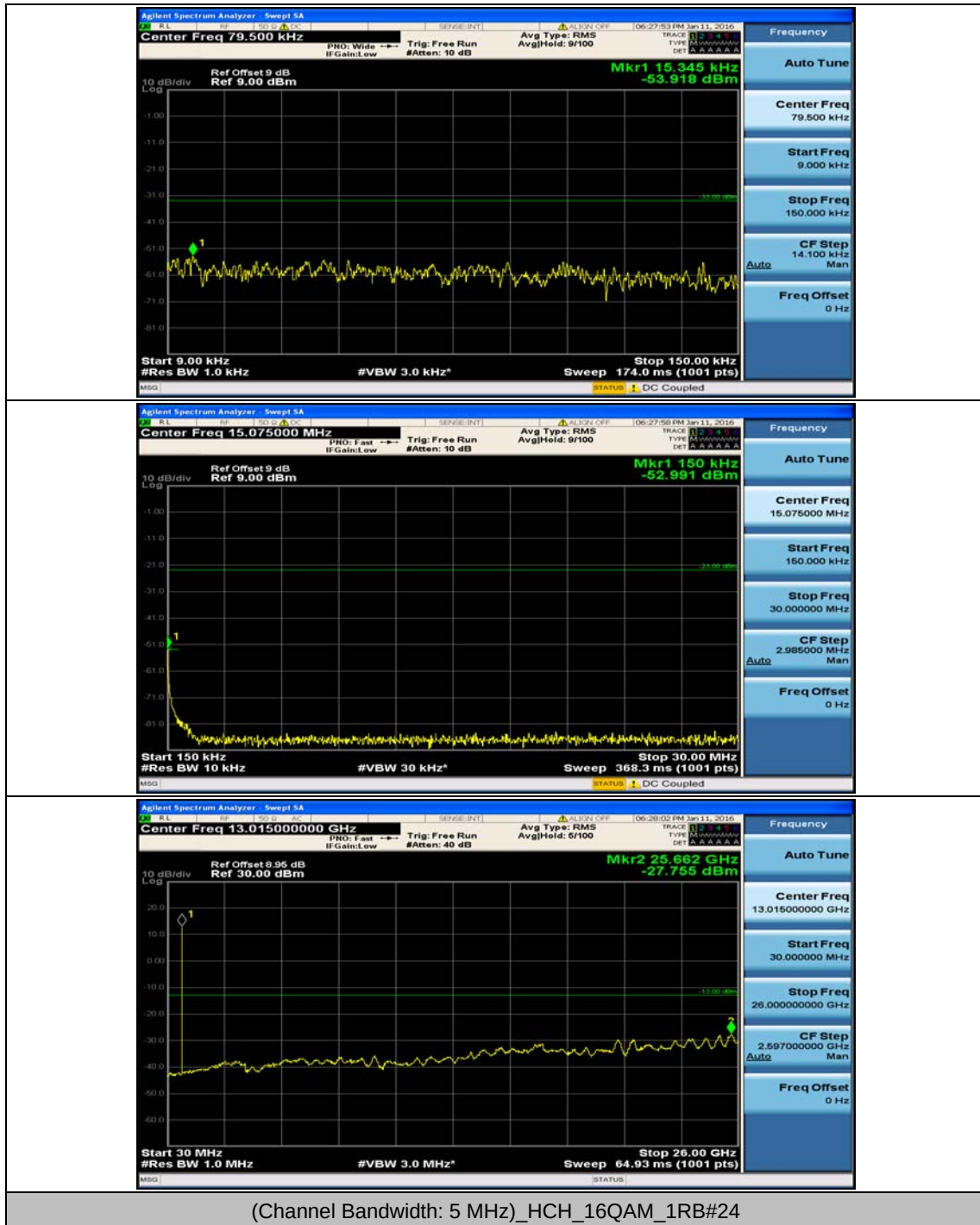


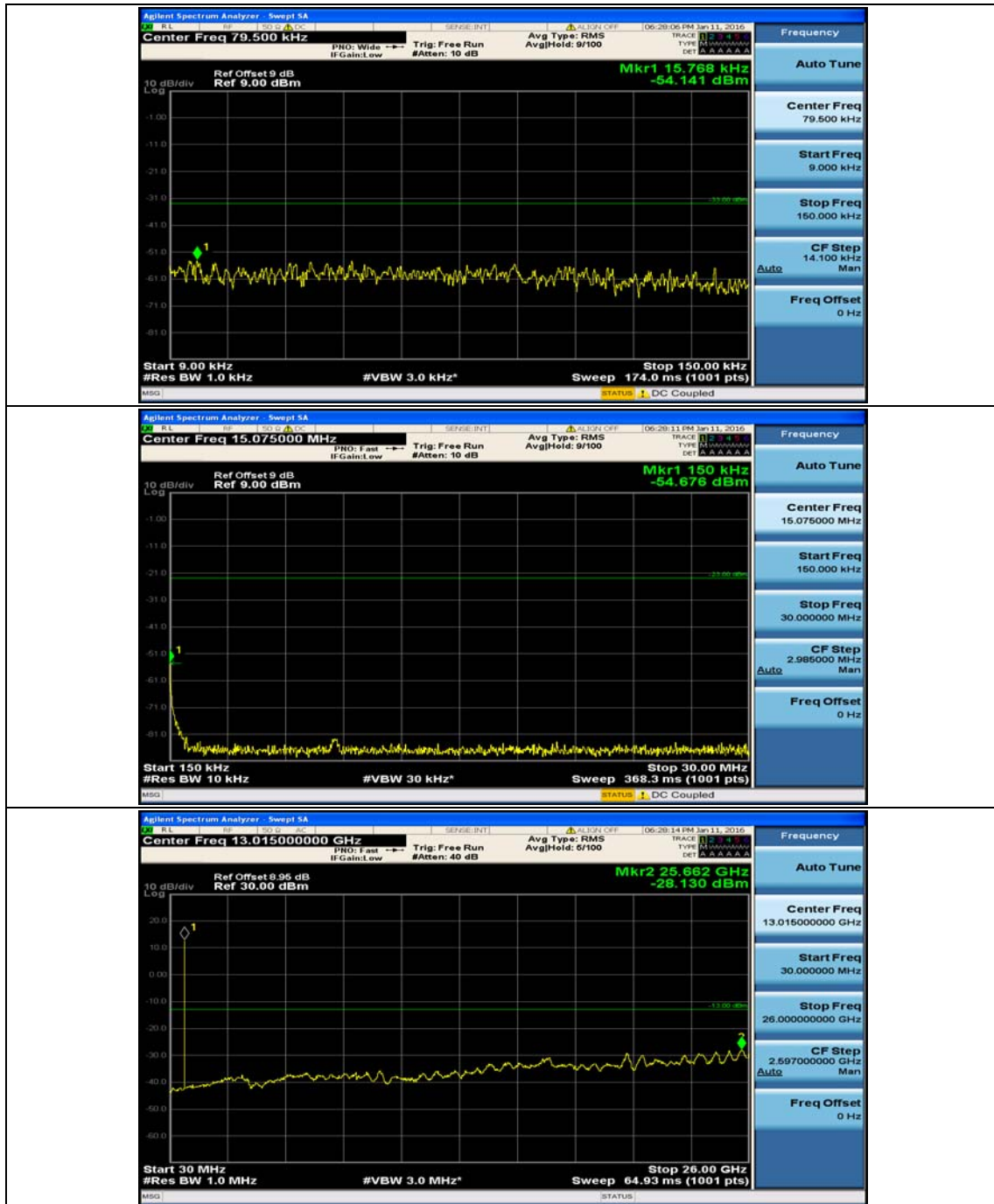


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

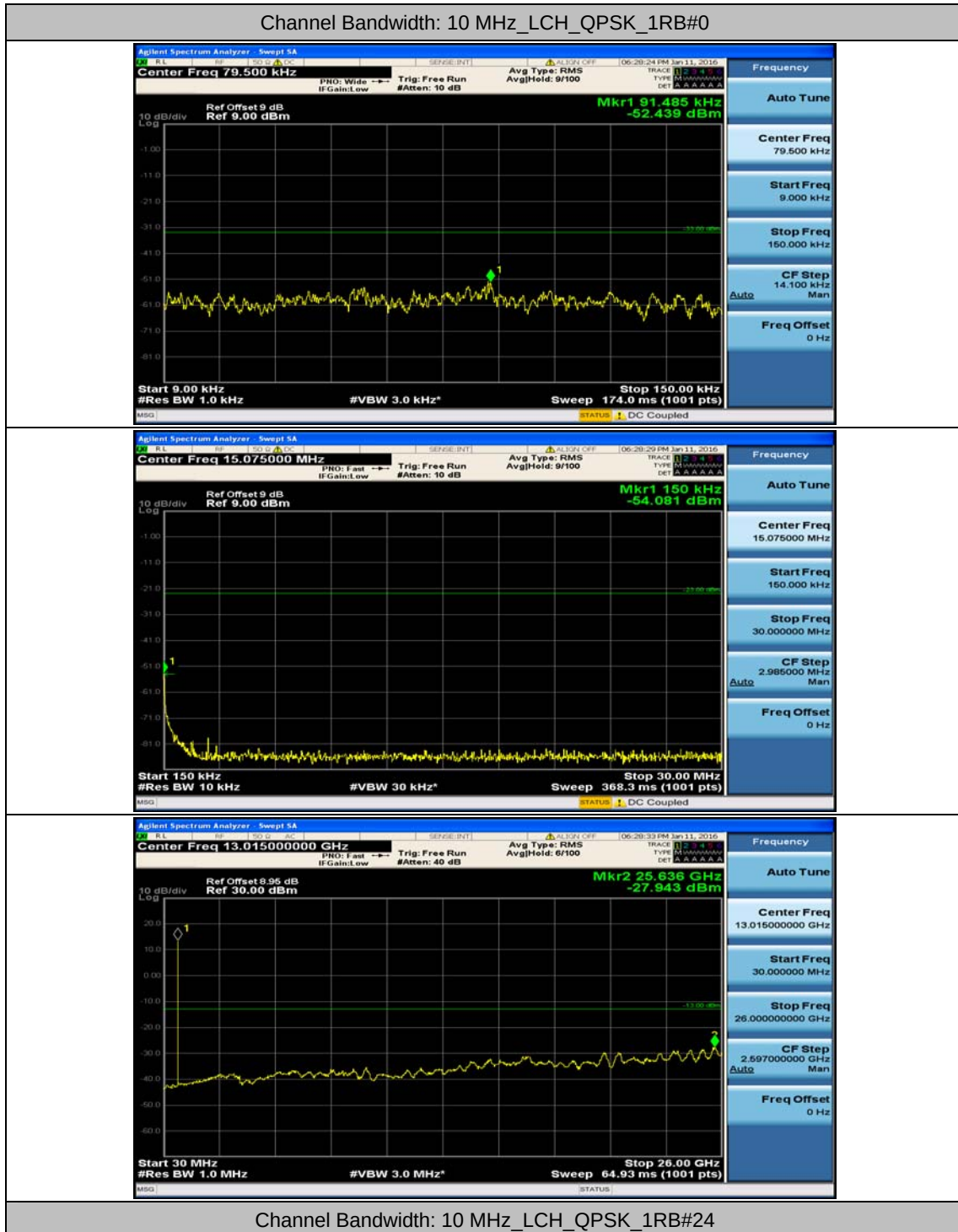


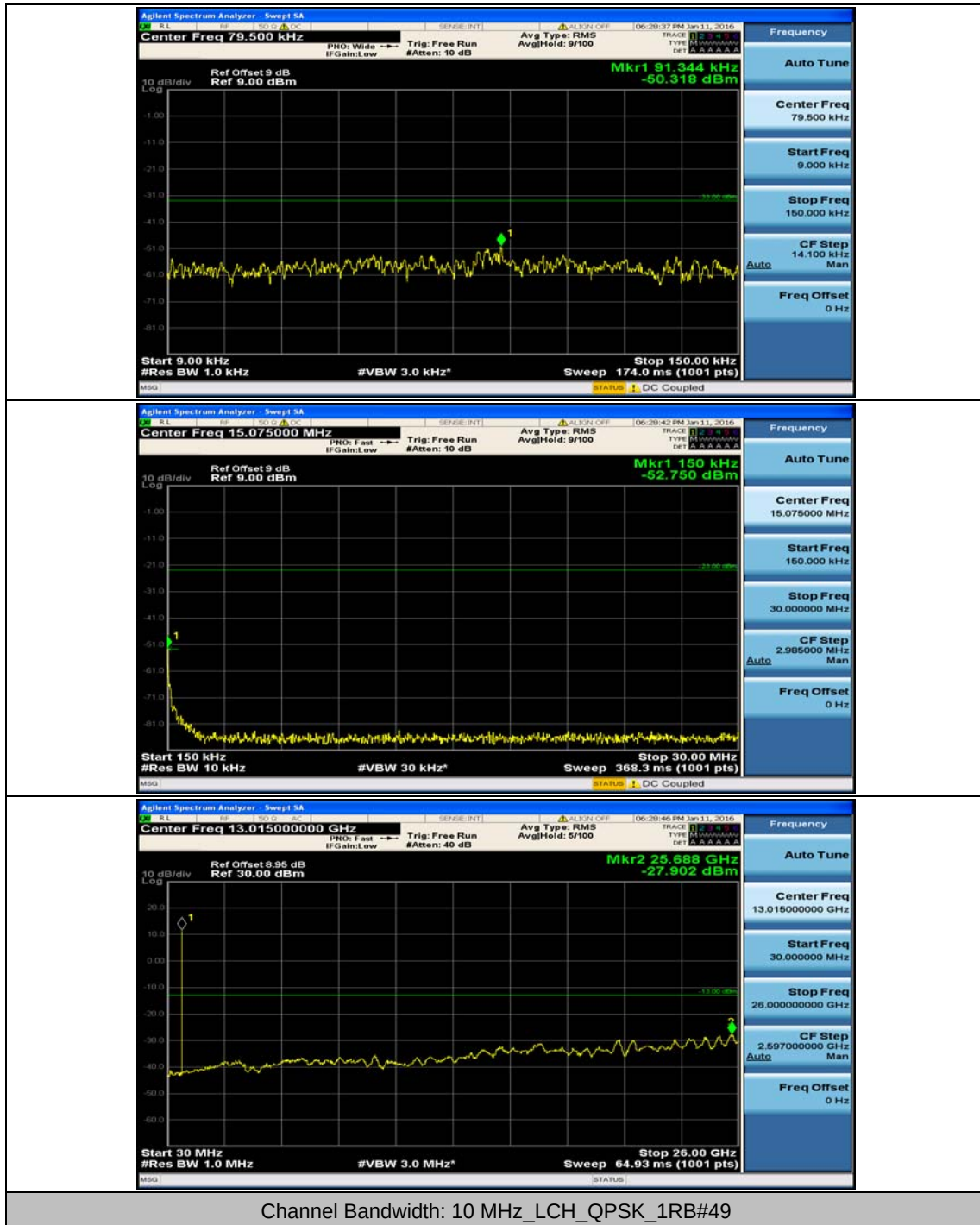
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

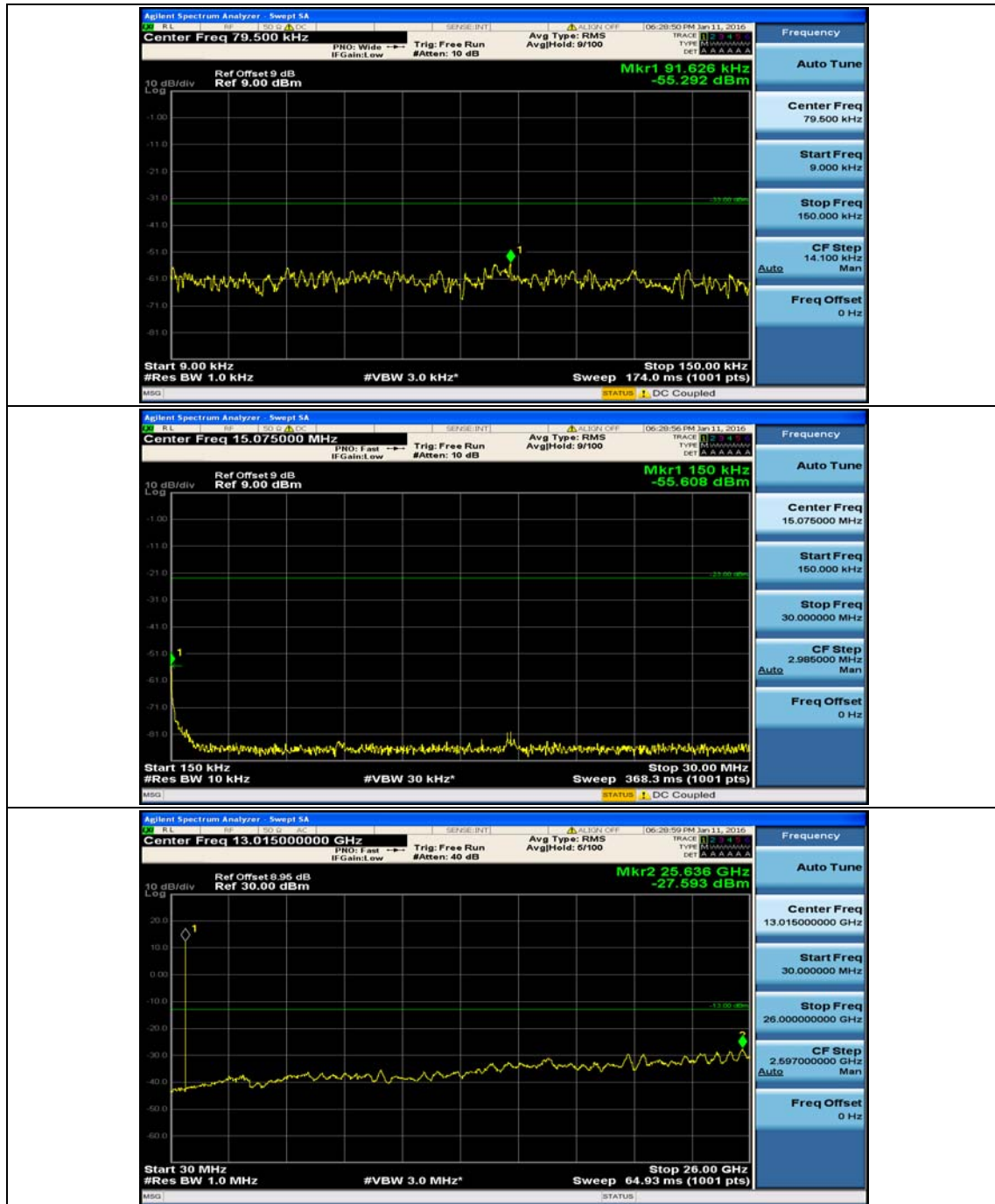




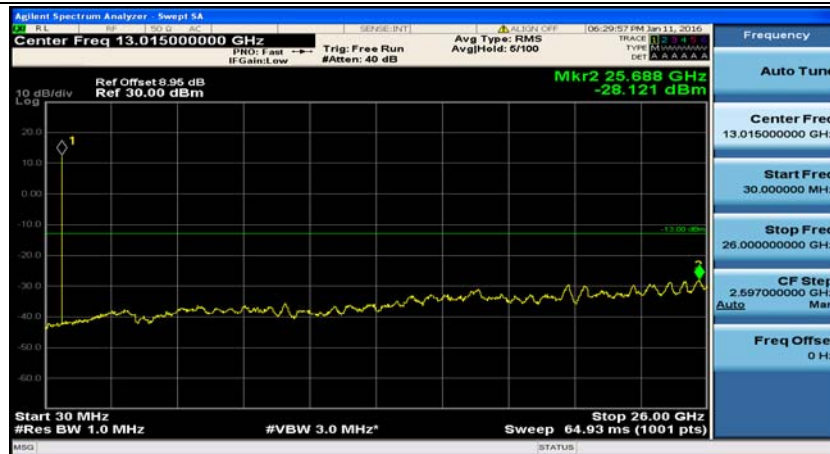
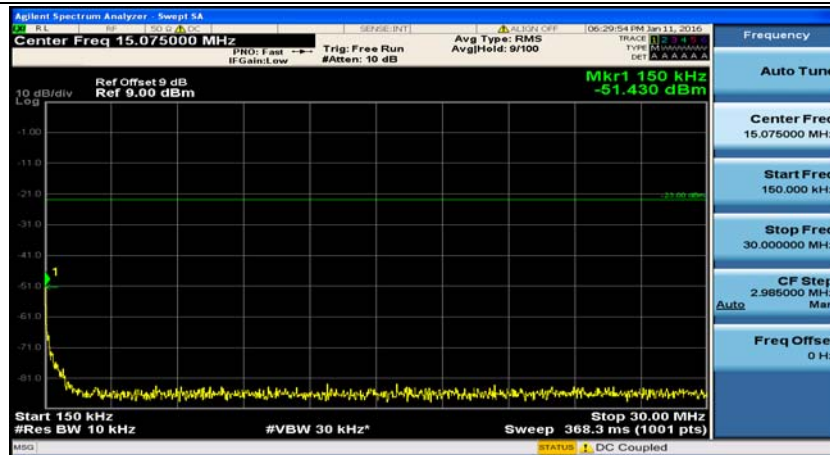
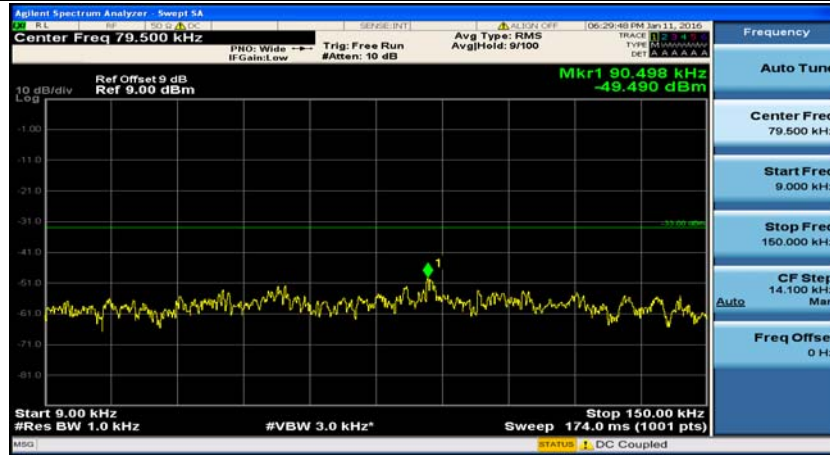
Channel Bandwidth: 10 MHz



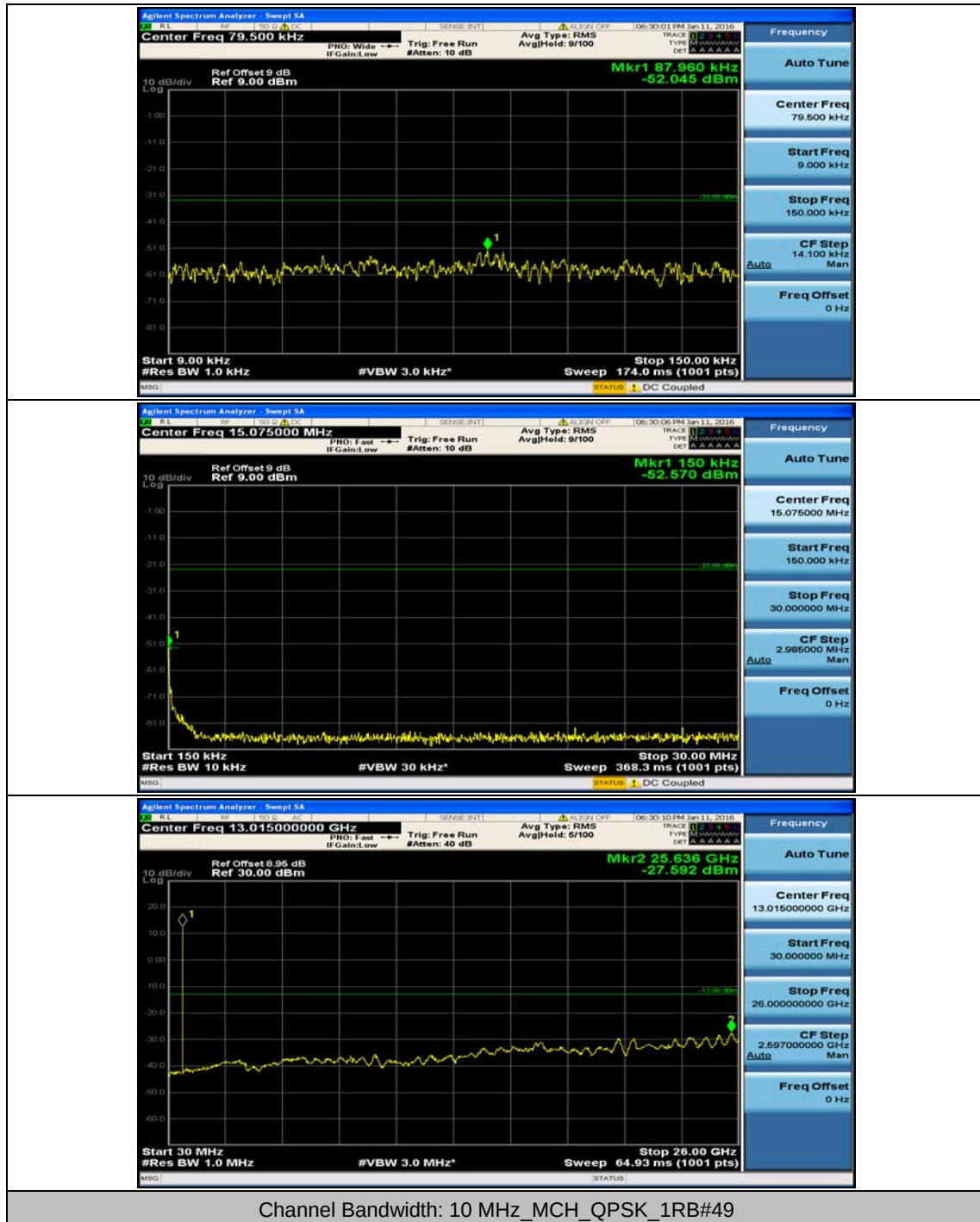


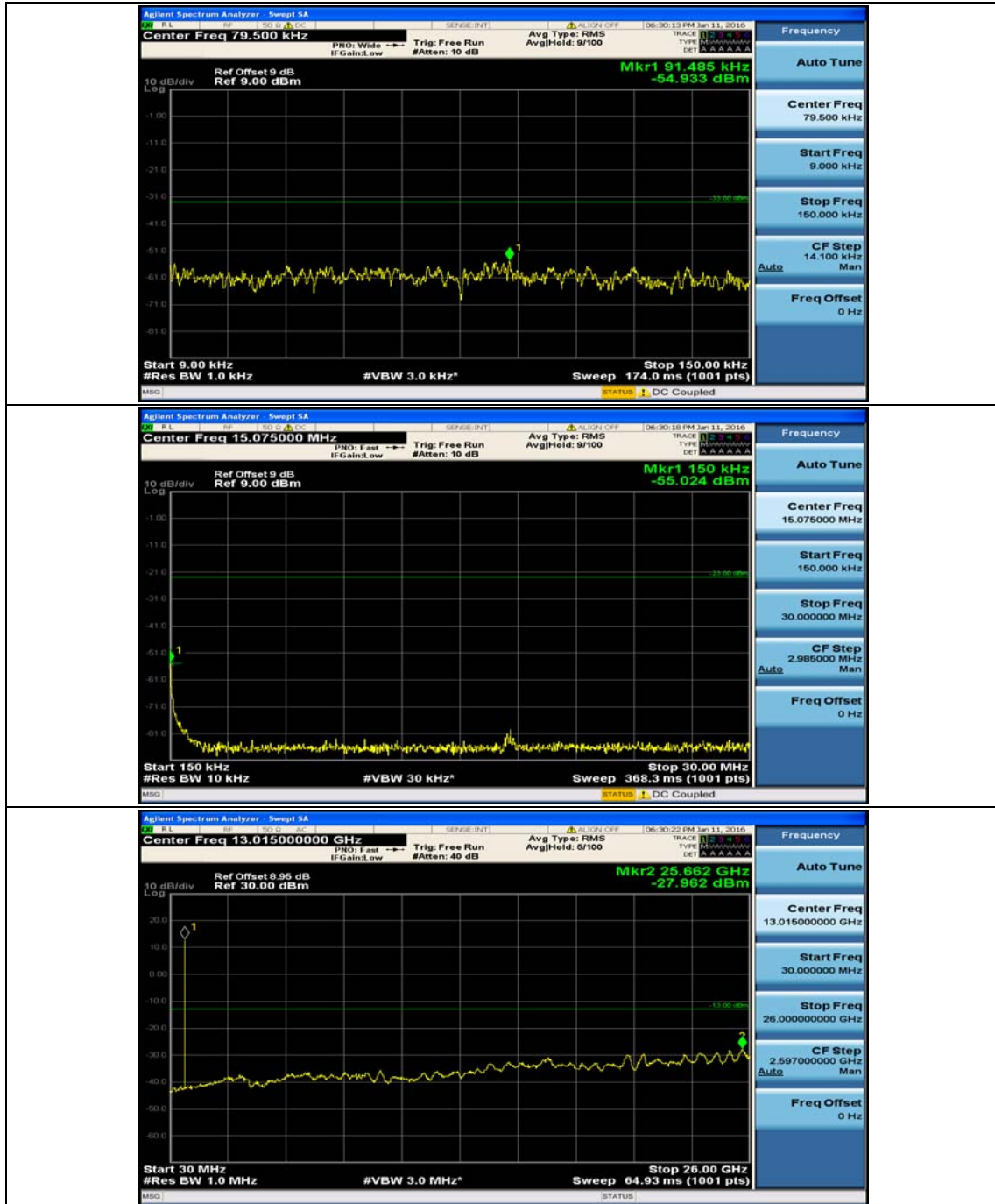


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

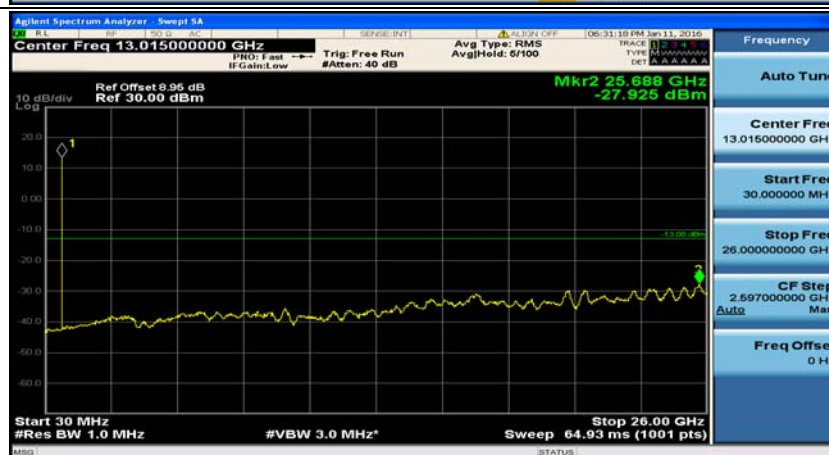
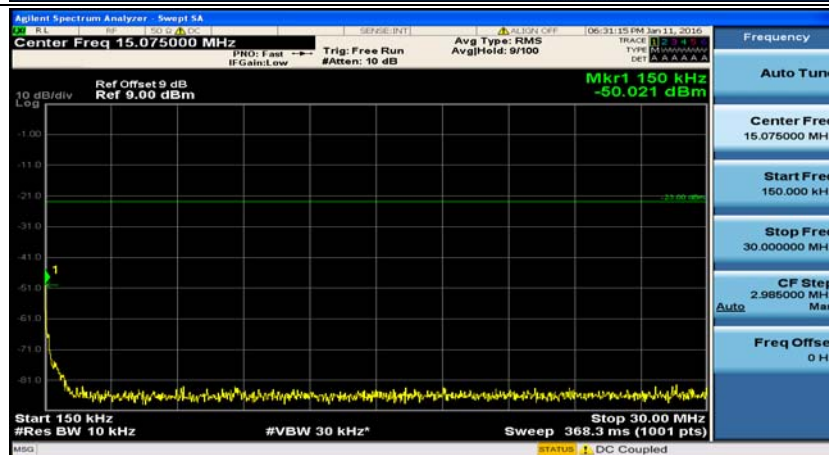


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

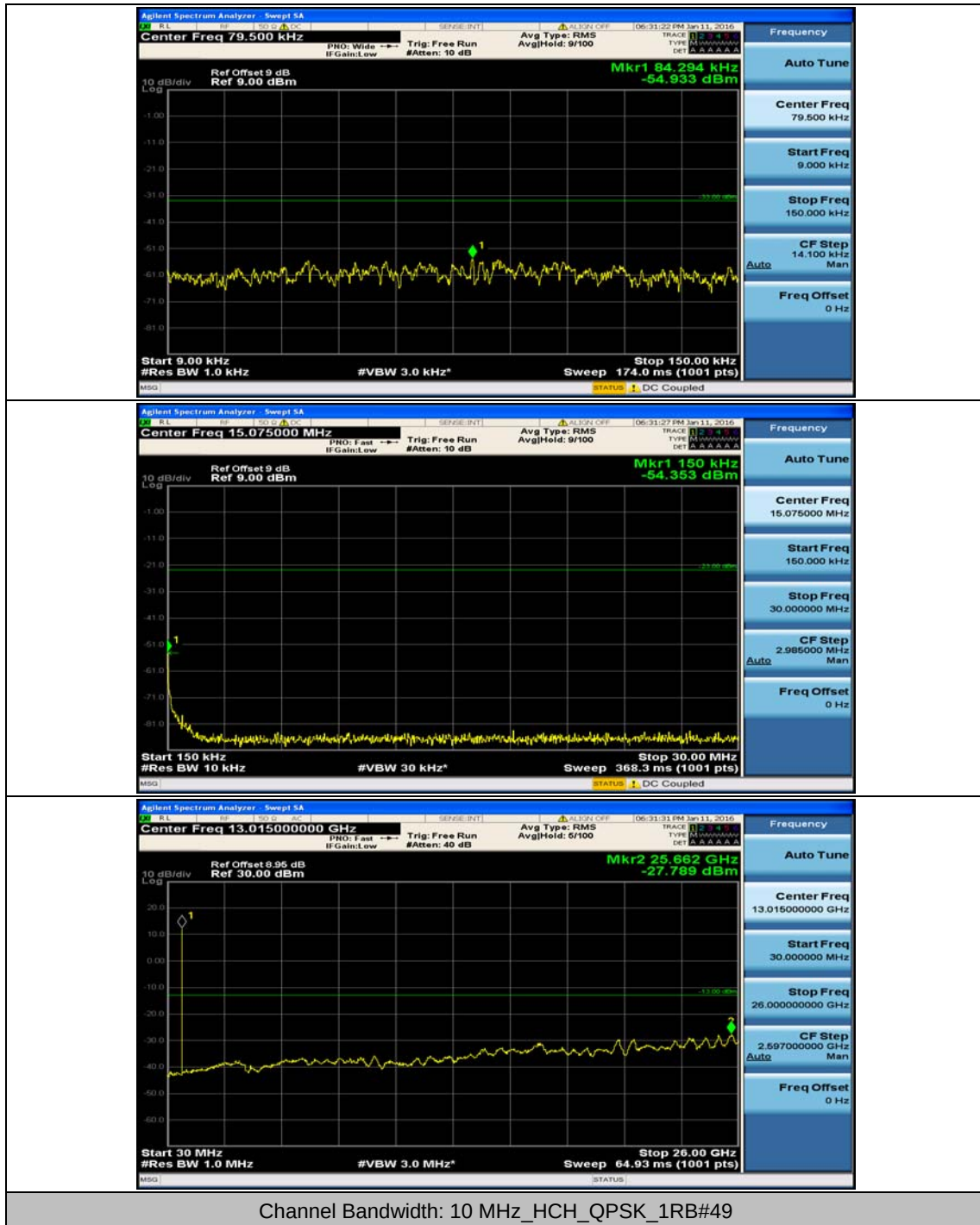


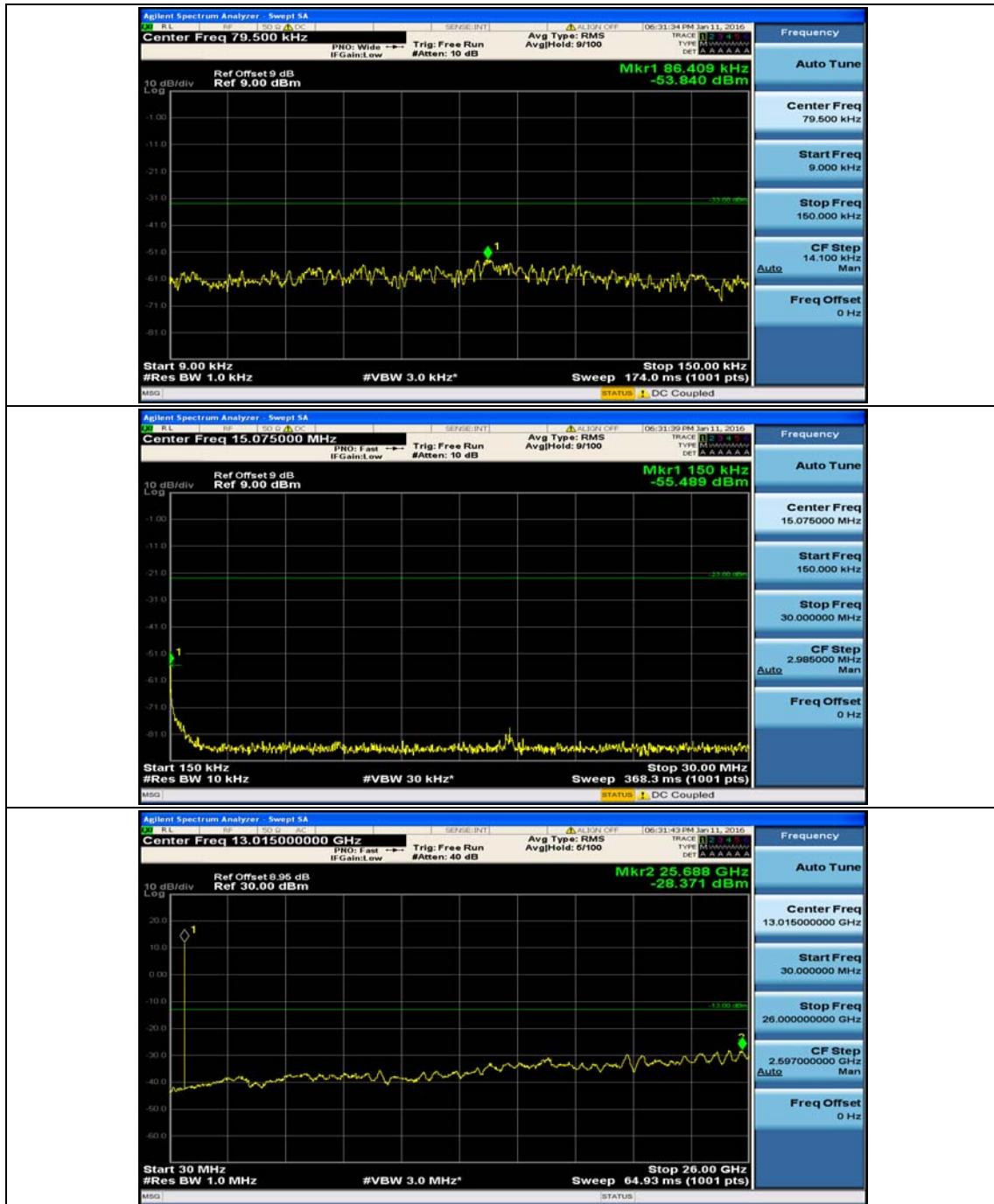


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

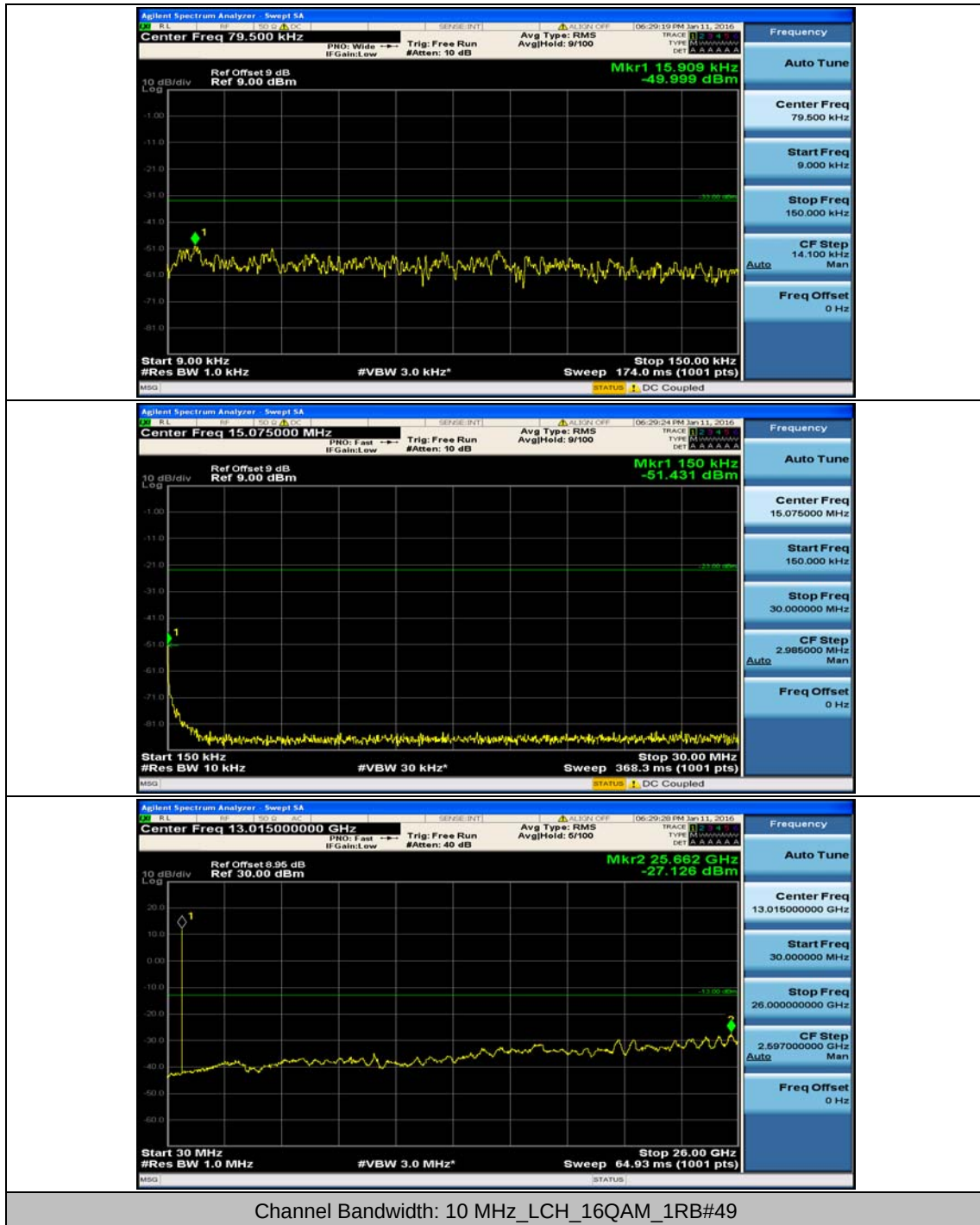


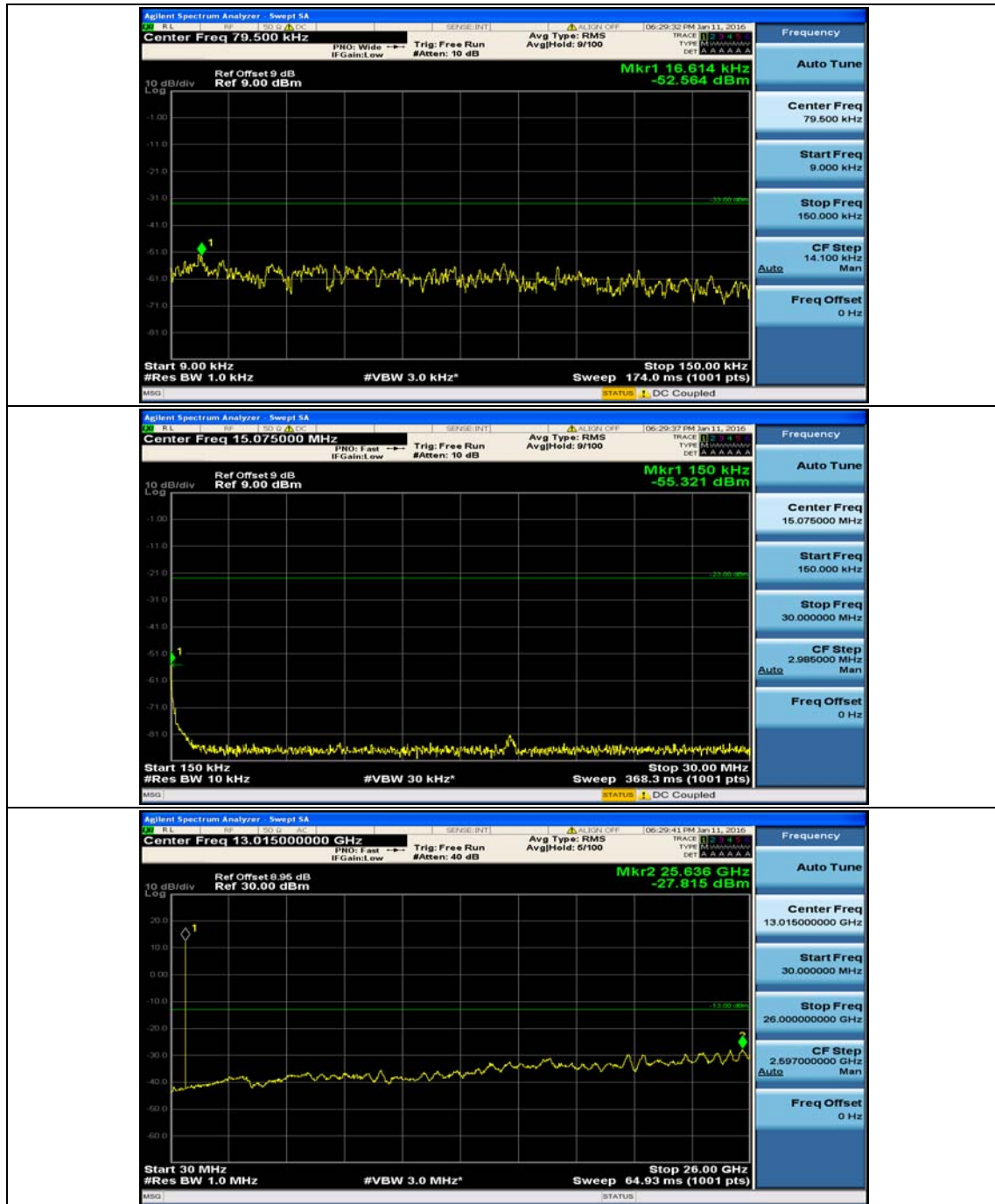


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

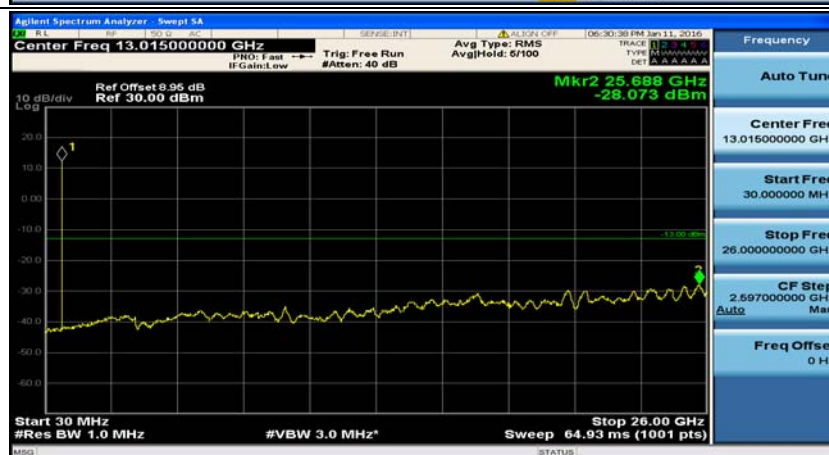


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

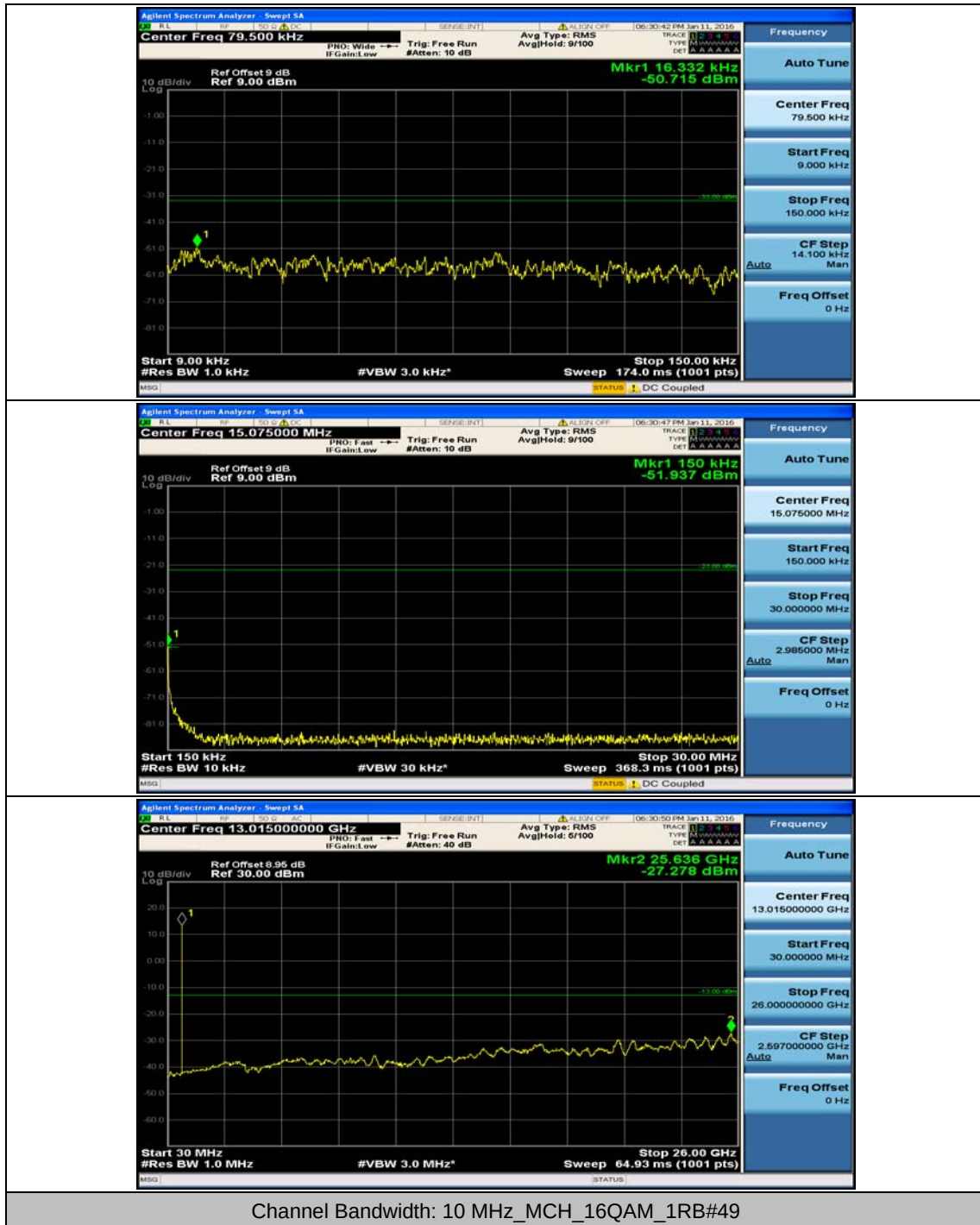


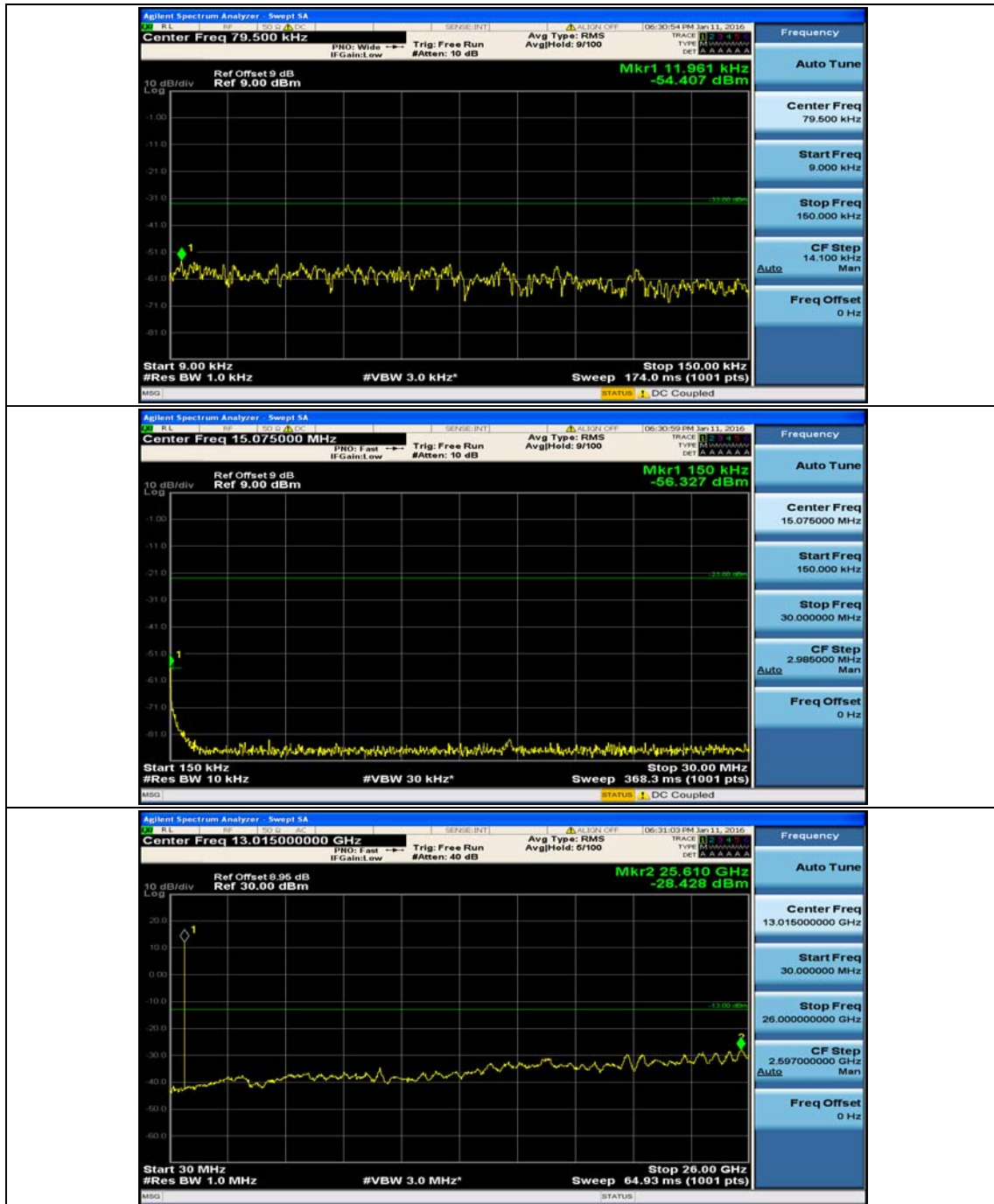


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

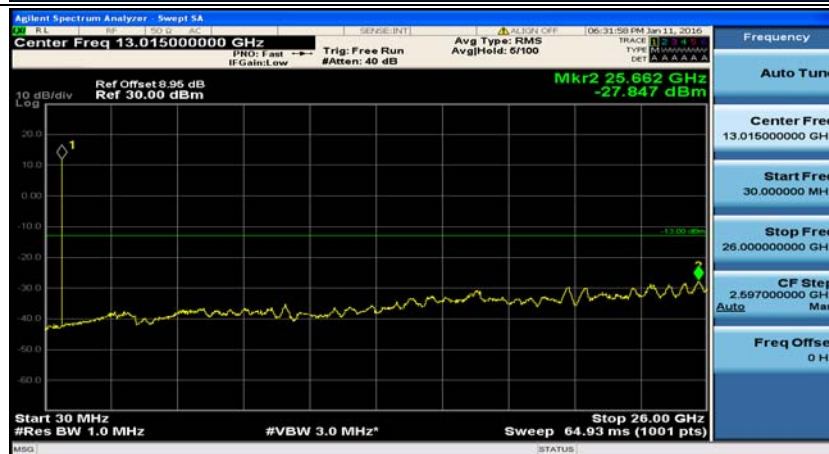
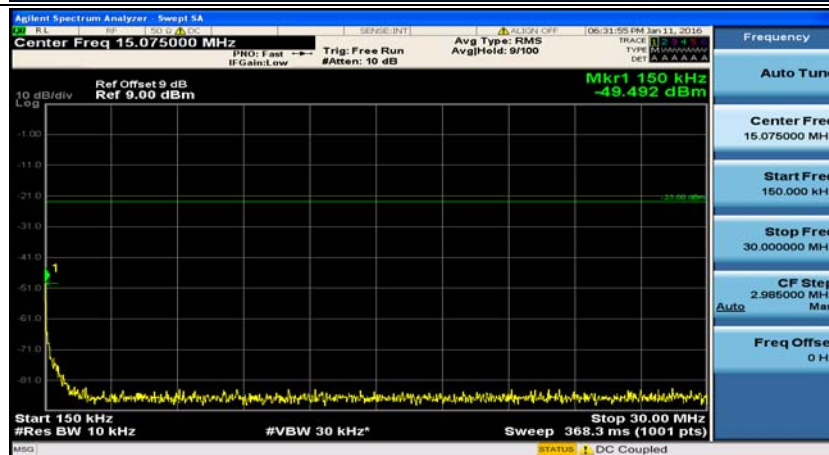


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

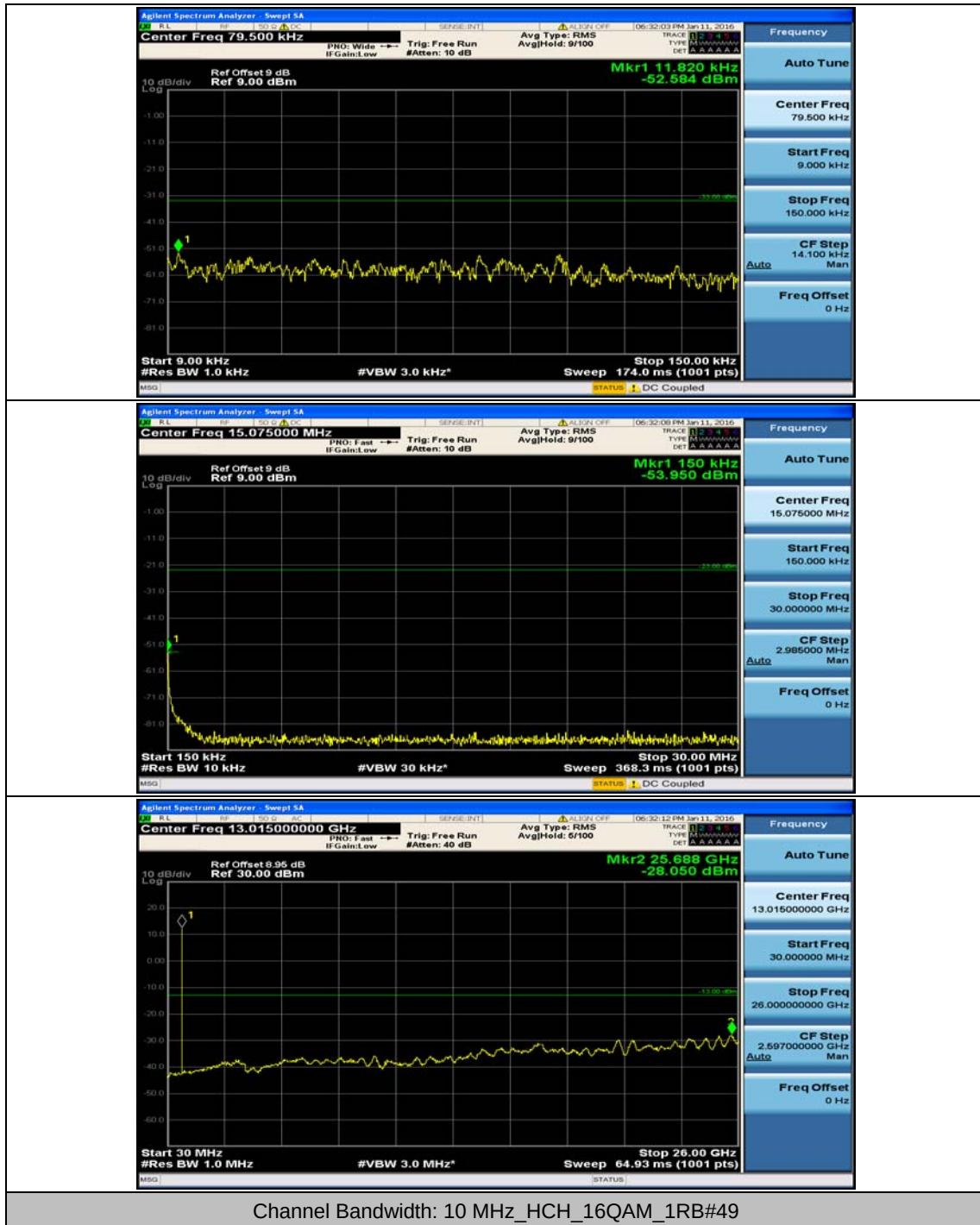


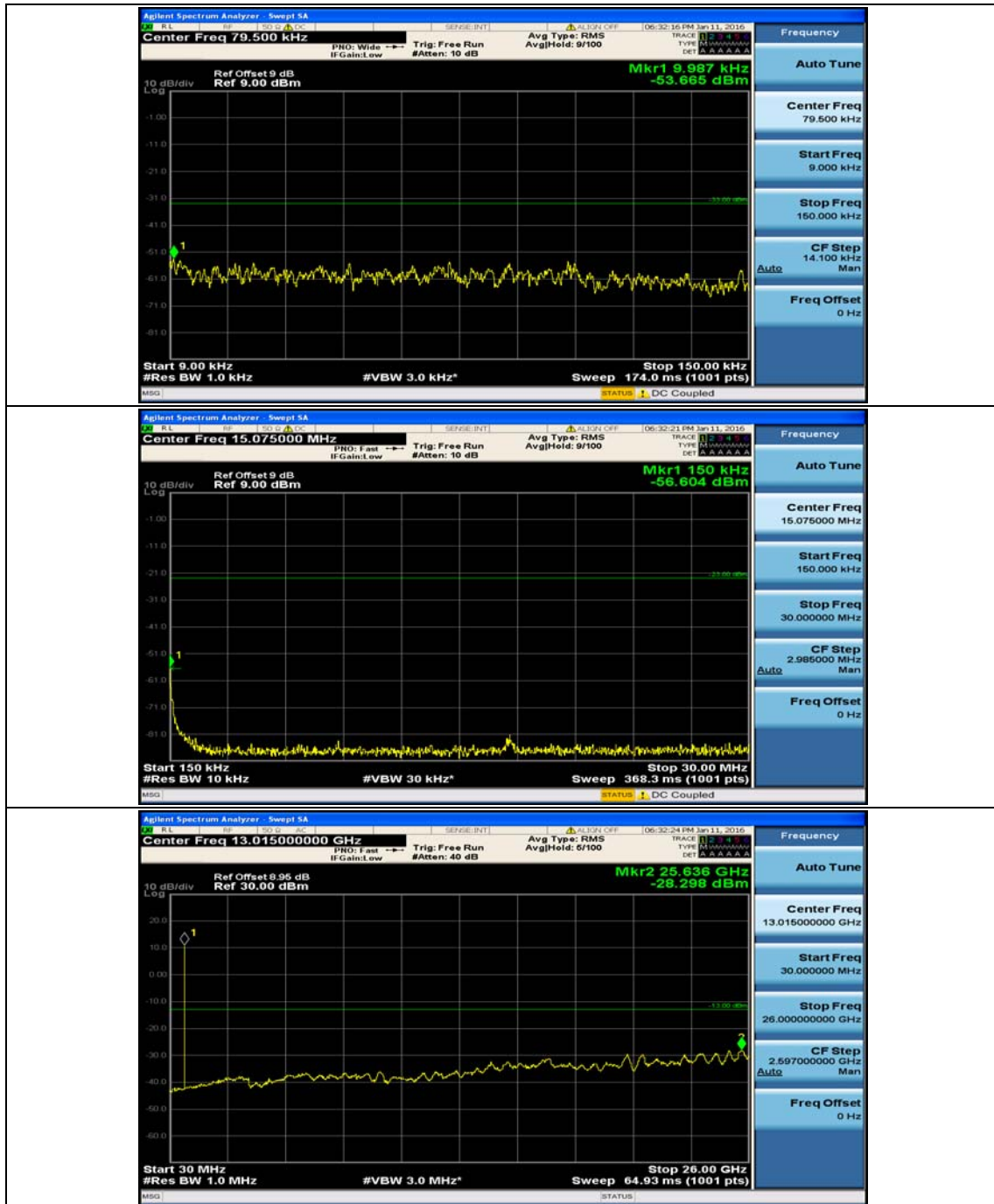


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	0.8	0.001132	± 2.5	PASS
		VN	TN	0.03	0.000042	± 2.5	PASS
		VH	TN	4.44	0.006285	± 2.5	PASS
	MCH	VL	TN	-0.32	-0.000451	± 2.5	PASS
		VN	TN	1.17	0.001648	± 2.5	PASS
		VH	TN	-1.2	-0.001690	± 2.5	PASS
	HCH	VL	TN	2.47	0.003462	± 2.5	PASS
		VN	TN	-1.24	-0.001738	± 2.5	PASS
		VH	TN	2.91	0.004078	± 2.5	PASS
16QAM	LCH	VL	TN	3.64	0.005152	± 2.5	PASS
		VN	TN	-1.35	-0.001911	± 2.5	PASS
		VH	TN	0.01	0.000014	± 2.5	PASS
	MCH	VL	TN	0.7	0.000986	± 2.5	PASS
		VN	TN	3.63	0.005113	± 2.5	PASS
		VH	TN	-1.48	-0.002085	± 2.5	PASS
	HCH	VL	TN	-0.51	-0.000715	± 2.5	PASS
		VN	TN	3.6	0.005046	± 2.5	PASS
		VH	TN	3.04	0.004261	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.82	0.002576	± 2.5	PASS
		VN	-20	1.17	0.001656	± 2.5	PASS
		VN	-10	-1.5	-0.002123	± 2.5	PASS
		VN	0	3.39	0.004798	± 2.5	PASS
		VN	10	1.31	0.001854	± 2.5	PASS
		VN	20	1.39	0.001967	± 2.5	PASS
		VN	30	-0.02	-0.000028	± 2.5	PASS
		VN	40	3.18	0.004501	± 2.5	PASS
		VN	50	2.68	0.003793	± 2.5	PASS
	MCH	VN	-30	-0.44	-0.000620	± 2.5	PASS
		VN	-20	0.98	0.001380	± 2.5	PASS

		VN	-10	-0.36	-0.000507	± 2.5	PASS
		VN	0	1.34	0.001887	± 2.5	PASS
		VN	10	-0.76	-0.001070	± 2.5	PASS
		VN	20	-0.02	-0.000028	± 2.5	PASS
		VN	30	1.71	0.002408	± 2.5	PASS
		VN	40	2.93	0.004127	± 2.5	PASS
		VN	50	1.04	0.001465	± 2.5	PASS
	HCH	VN	-30	2.2	0.003083	± 2.5	PASS
		VN	-20	3.88	0.005438	± 2.5	PASS
		VN	-10	2.37	0.003322	± 2.5	PASS
		VN	0	2.65	0.003714	± 2.5	PASS
		VN	10	0.66	0.000925	± 2.5	PASS
		VN	20	4.4	0.006167	± 2.5	PASS
		VN	30	4.01	0.005620	± 2.5	PASS
		VN	40	3.43	0.004807	± 2.5	PASS
		VN	50	3.03	0.004247	± 2.5	PASS
16QAM	LCH	VN	-30	-1.47	-0.002081	± 2.5	PASS
		VN	-20	2.43	0.003439	± 2.5	PASS
		VN	-10	2.43	0.003439	± 2.5	PASS
		VN	0	4.34	0.006143	± 2.5	PASS
		VN	10	-1.29	-0.001826	± 2.5	PASS
		VN	20	0.94	0.001331	± 2.5	PASS
		VN	30	1.32	0.001868	± 2.5	PASS
		VN	40	-0.49	-0.000694	± 2.5	PASS
		VN	50	2.28	0.003227	± 2.5	PASS
	MCH	VN	-30	4.23	0.005929	± 2.5	PASS
		VN	-20	1.23	0.001724	± 2.5	PASS
		VN	-10	1.15	0.001612	± 2.5	PASS
		VN	0	1.27	0.001780	± 2.5	PASS
		VN	10	1.85	0.002593	± 2.5	PASS
		VN	20	-1.93	-0.002705	± 2.5	PASS
		VN	30	-0.15	-0.000210	± 2.5	PASS
		VN	40	0.39	0.000547	± 2.5	PASS
		VN	50	-1.43	-0.002004	± 2.5	PASS
	HCH	VN	-30	3.39	0.004751	± 2.5	PASS
		VN	-20	3.34	0.004681	± 2.5	PASS
		VN	-10	-1.62	-0.002270	± 2.5	PASS
		VN	0	-0.24	-0.000336	± 2.5	PASS
		VN	10	1.03	0.001444	± 2.5	PASS
		VN	20	4.69	0.006573	± 2.5	PASS
		VN	30	0.66	0.000925	± 2.5	PASS

		VN	40	0.51	0.000715	± 2.5	PASS
		VN	50	3.62	0.005074	± 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	0.87	0.001227	± 2.5	PASS
		VN	TN	-0.41	-0.000578	± 2.5	PASS
		VH	TN	4.95	0.006982	± 2.5	PASS
	MCH	VL	TN	-1.7	-0.002394	± 2.5	PASS
		VN	TN	0.03	0.000042	± 2.5	PASS
		VH	TN	-0.24	-0.000338	± 2.5	PASS
	HCH	VL	TN	4.19	0.005893	± 2.5	PASS
		VN	TN	4.36	0.006132	± 2.5	PASS
		VH	TN	4.79	0.006737	± 2.5	PASS
16QAM	LCH	VL	TN	3.55	0.005007	± 2.5	PASS
		VN	TN	3.21	0.004528	± 2.5	PASS
		VH	TN	0.18	0.000254	± 2.5	PASS
	MCH	VL	TN	4.17	0.005873	± 2.5	PASS
		VN	TN	0.59	0.000831	± 2.5	PASS
		VH	TN	1.42	0.002000	± 2.5	PASS
	HCH	VL	TN	4.36	0.006132	± 2.5	PASS
		VN	TN	-0.89	-0.001252	± 2.5	PASS
		VH	TN	4.74	0.006667	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.99	0.001396	± 2.5	PASS
		VN	-20	-0.64	-0.000903	± 2.5	PASS
		VN	-10	4.2	0.005924	± 2.5	PASS
		VN	0	3.96	0.005585	± 2.5	PASS
		VN	10	0.06	0.000085	± 2.5	PASS
		VN	20	1.92	0.002708	± 2.5	PASS
		VN	30	0.42	0.000592	± 2.5	PASS
		VN	40	0.45	0.000635	± 2.5	PASS
		VN	50	4.28	0.006037	± 2.5	PASS
	MCH	VN	-30	-0.46	-0.000648	± 2.5	PASS
		VN	-20	0.07	0.000099	± 2.5	PASS
		VN	-10	-0.18	-0.000254	± 2.5	PASS

		VN	0	-1.07	-0.001507	± 2.5	PASS
		VN	10	-1.89	-0.002662	± 2.5	PASS
		VN	20	0.01	0.000014	± 2.5	PASS
		VN	30	3.35	0.004718	± 2.5	PASS
		VN	40	-1.94	-0.002732	± 2.5	PASS
		VN	50	0.13	0.000183	± 2.5	PASS
	HCH	VN	-30	3.99	0.005612	± 2.5	PASS
		VN	-20	-0.01	-0.000014	± 2.5	PASS
		VN	-10	2.01	0.002827	± 2.5	PASS
		VN	0	0.7	0.000985	± 2.5	PASS
		VN	10	-1.11	-0.001561	± 2.5	PASS
		VN	20	3.34	0.004698	± 2.5	PASS
		VN	30	-1.67	-0.002349	± 2.5	PASS
		VN	40	-0.49	-0.000689	± 2.5	PASS
		VN	50	1.58	0.002222	± 2.5	PASS
QPSK	LCH	VN	-30	-1.98	-0.002789	± 2.5	PASS
		VN	-20	1.15	0.001620	± 2.5	PASS
		VN	-10	0.98	0.001380	± 2.5	PASS
		VN	0	2.51	0.003535	± 2.5	PASS
		VN	10	-0.96	-0.001352	± 2.5	PASS
		VN	20	0.35	0.000493	± 2.5	PASS
		VN	30	4.27	0.006014	± 2.5	PASS
		VN	40	1.24	0.001746	± 2.5	PASS
		VN	50	1.48	0.002085	± 2.5	PASS
	MCH	VN	-30	3.8	0.005345	± 2.5	PASS
		VN	-20	3.36	0.004726	± 2.5	PASS
		VN	-10	-0.36	-0.000506	± 2.5	PASS
		VN	0	-0.4	-0.000563	± 2.5	PASS
		VN	10	1.7	0.002391	± 2.5	PASS
		VN	20	2.23	0.003136	± 2.5	PASS
		VN	30	1.25	0.001758	± 2.5	PASS
		VN	40	3.24	0.004557	± 2.5	PASS
		VN	50	4.45	0.006259	± 2.5	PASS
	HCH	VN	-30	1.6	0.002250	± 2.5	PASS
		VN	-20	3.96	0.005570	± 2.5	PASS
		VN	-10	1.42	0.001997	± 2.5	PASS
		VN	0	1.35	0.001899	± 2.5	PASS
		VN	10	0.2	0.000281	± 2.5	PASS
		VN	20	0.48	0.000675	± 2.5	PASS
		VN	30	0.65	0.000914	± 2.5	PASS
		VN	40	-1.38	-0.001941	± 2.5	PASS



		VN	50	1.94	0.002729	± 2.5	PASS
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