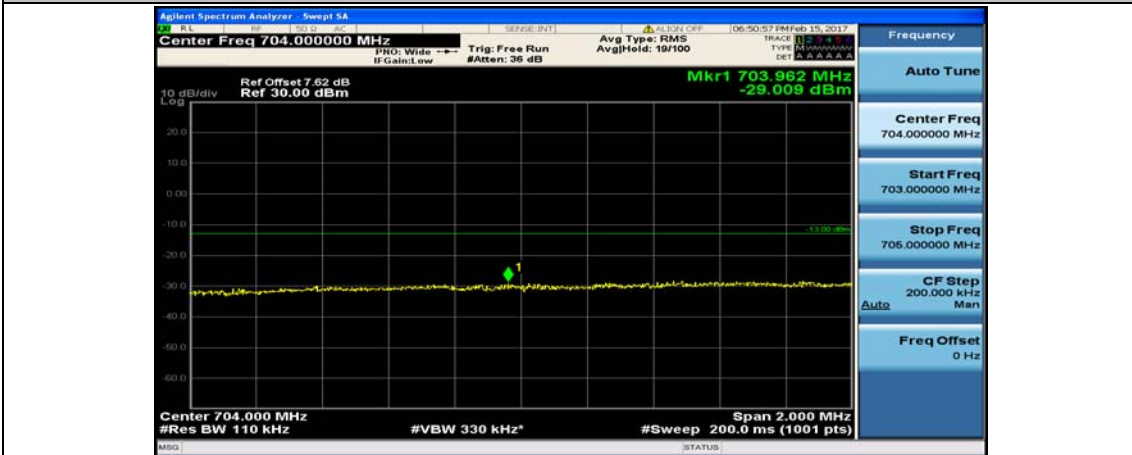


Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#0



Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#12



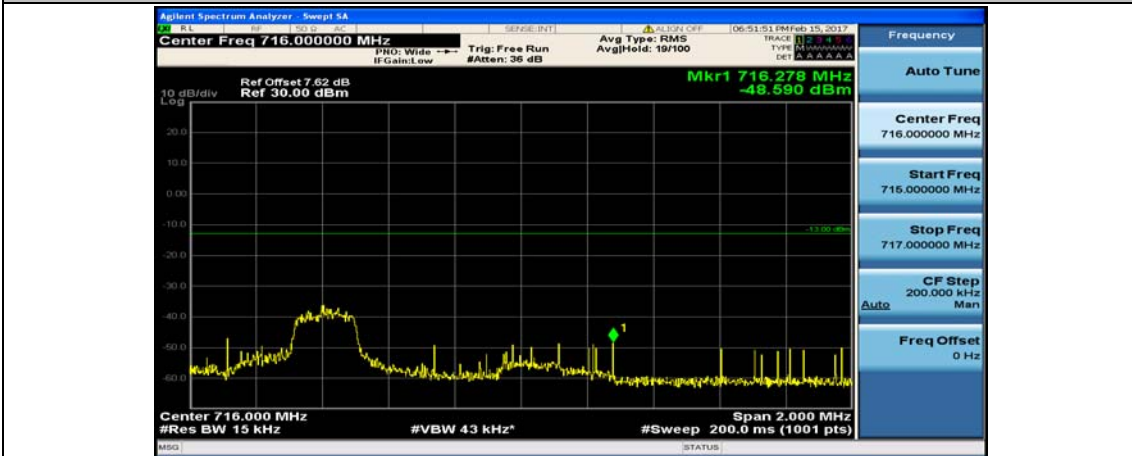
Channel Bandwidth: 10 MHz_LCH_QPSK_25RB#25



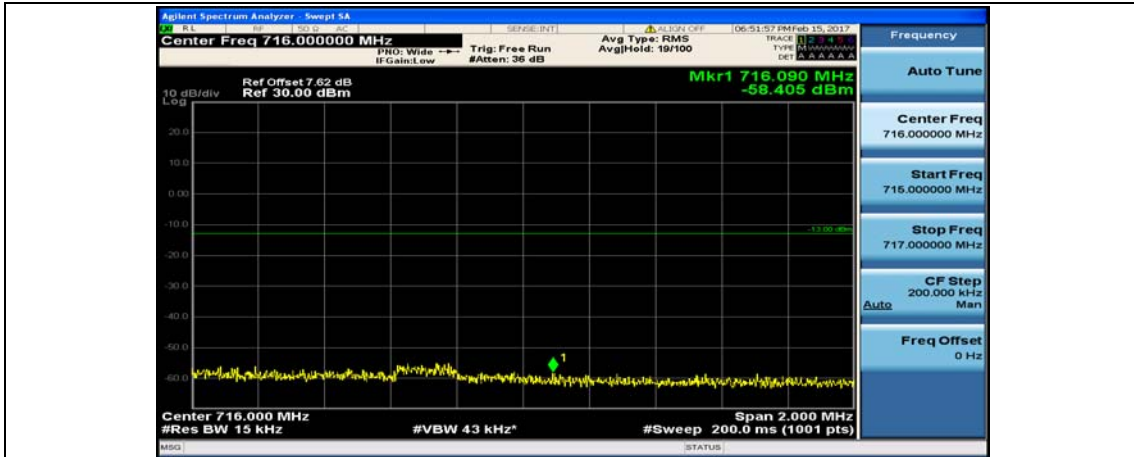
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



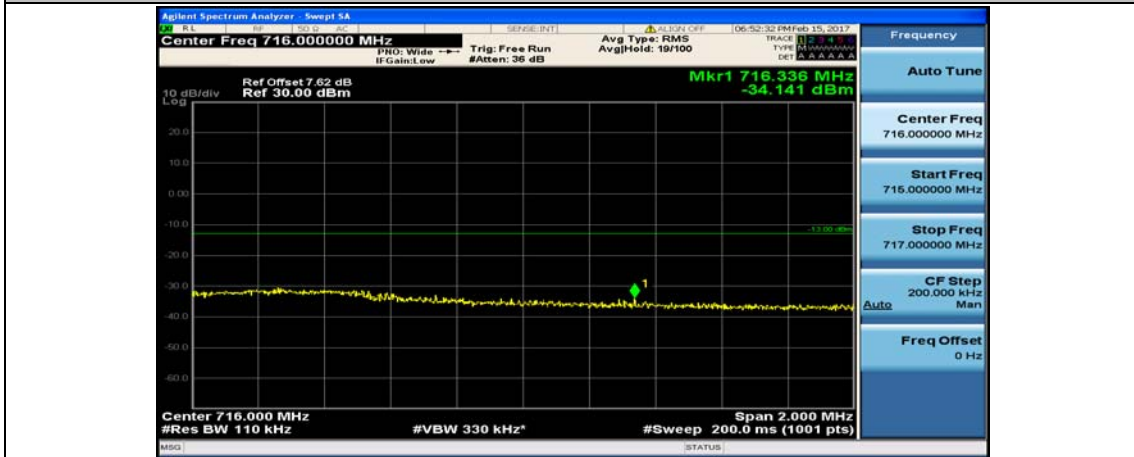
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



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



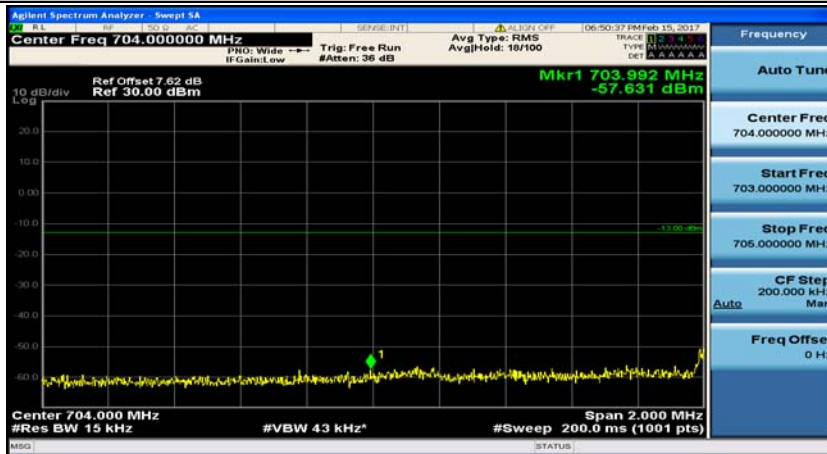
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



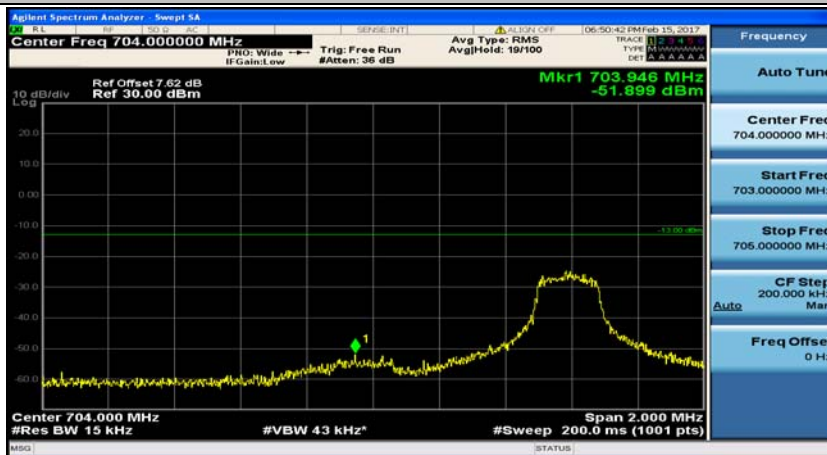
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



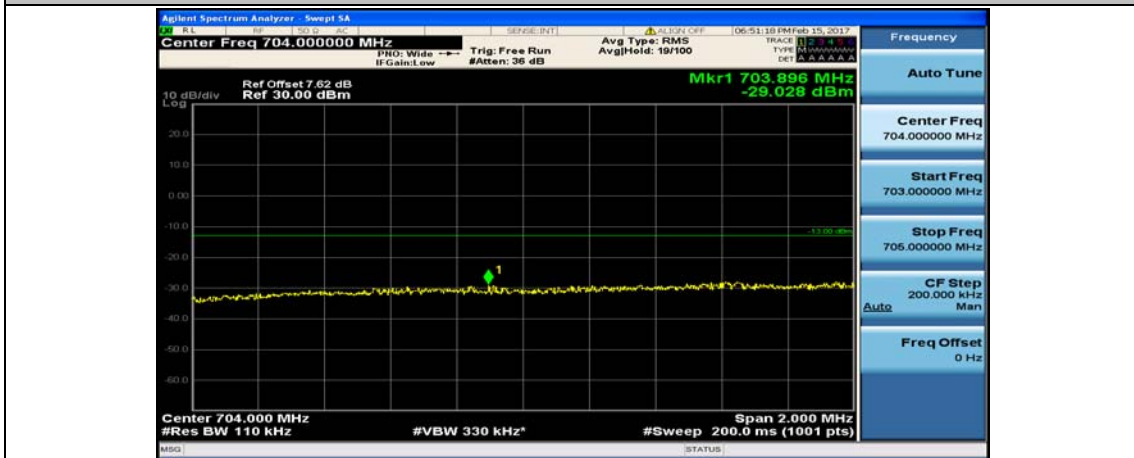
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



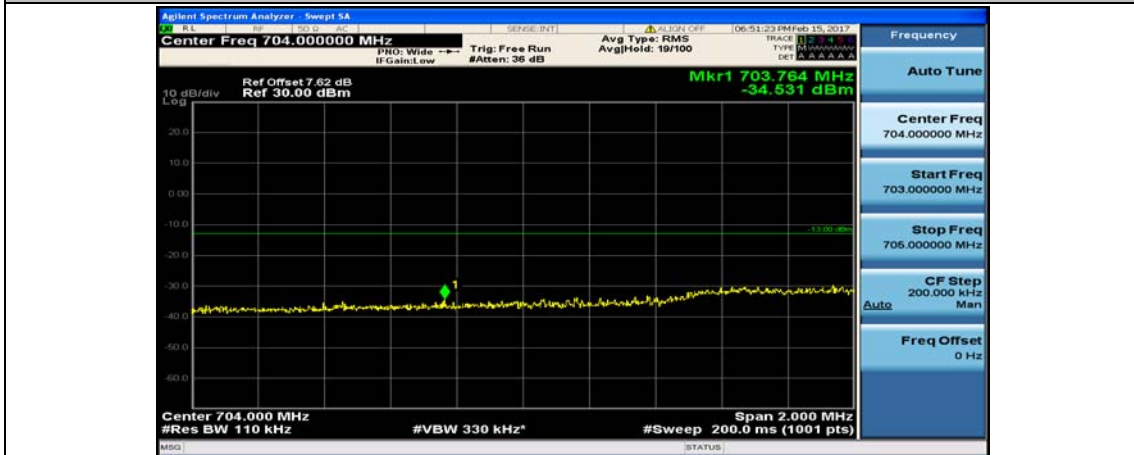
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



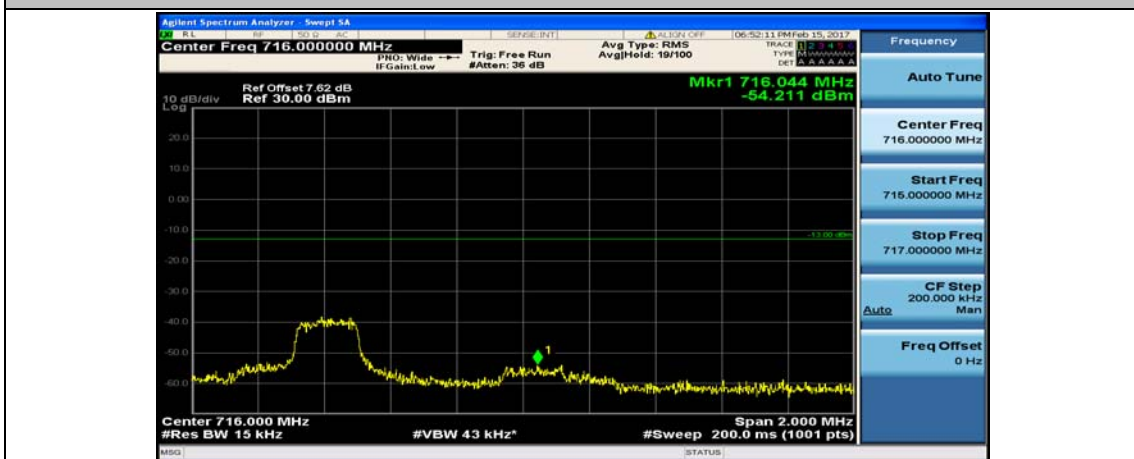
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



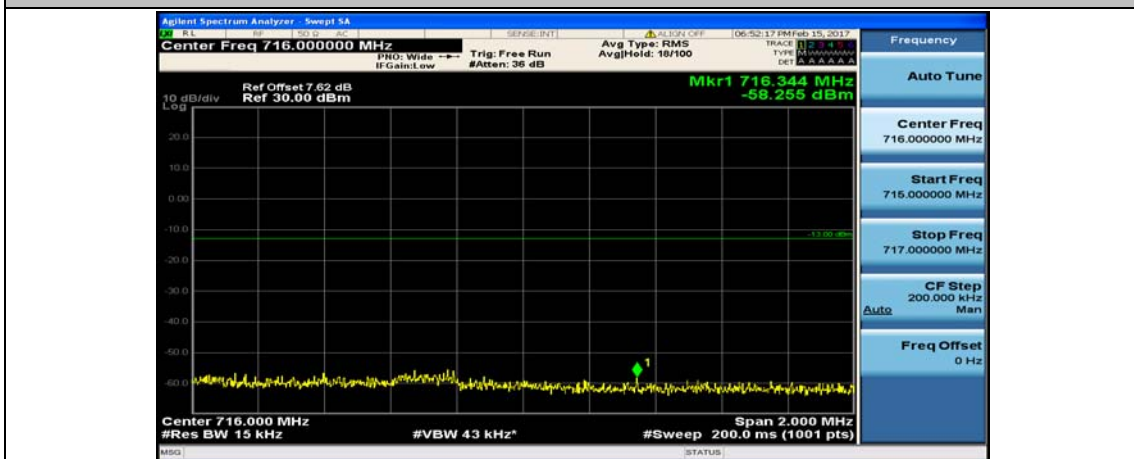
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



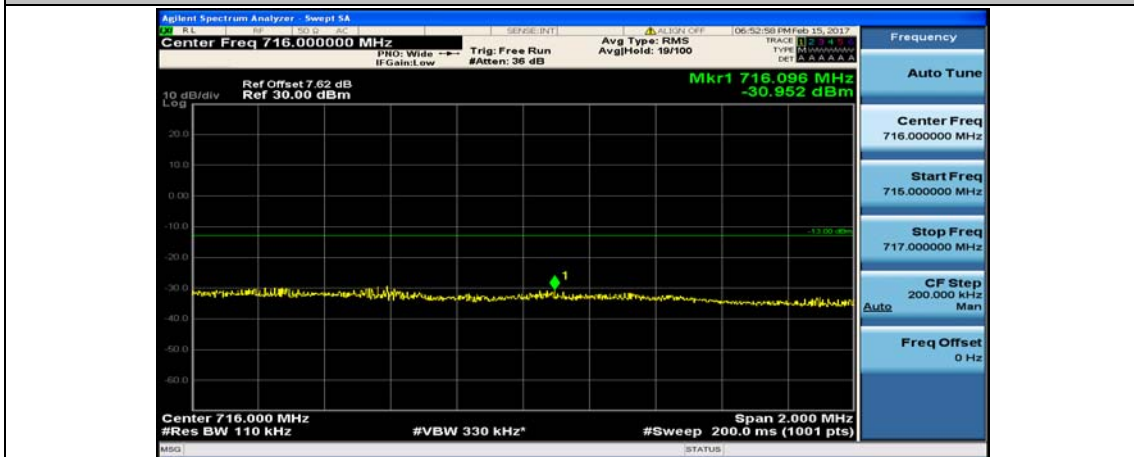
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49





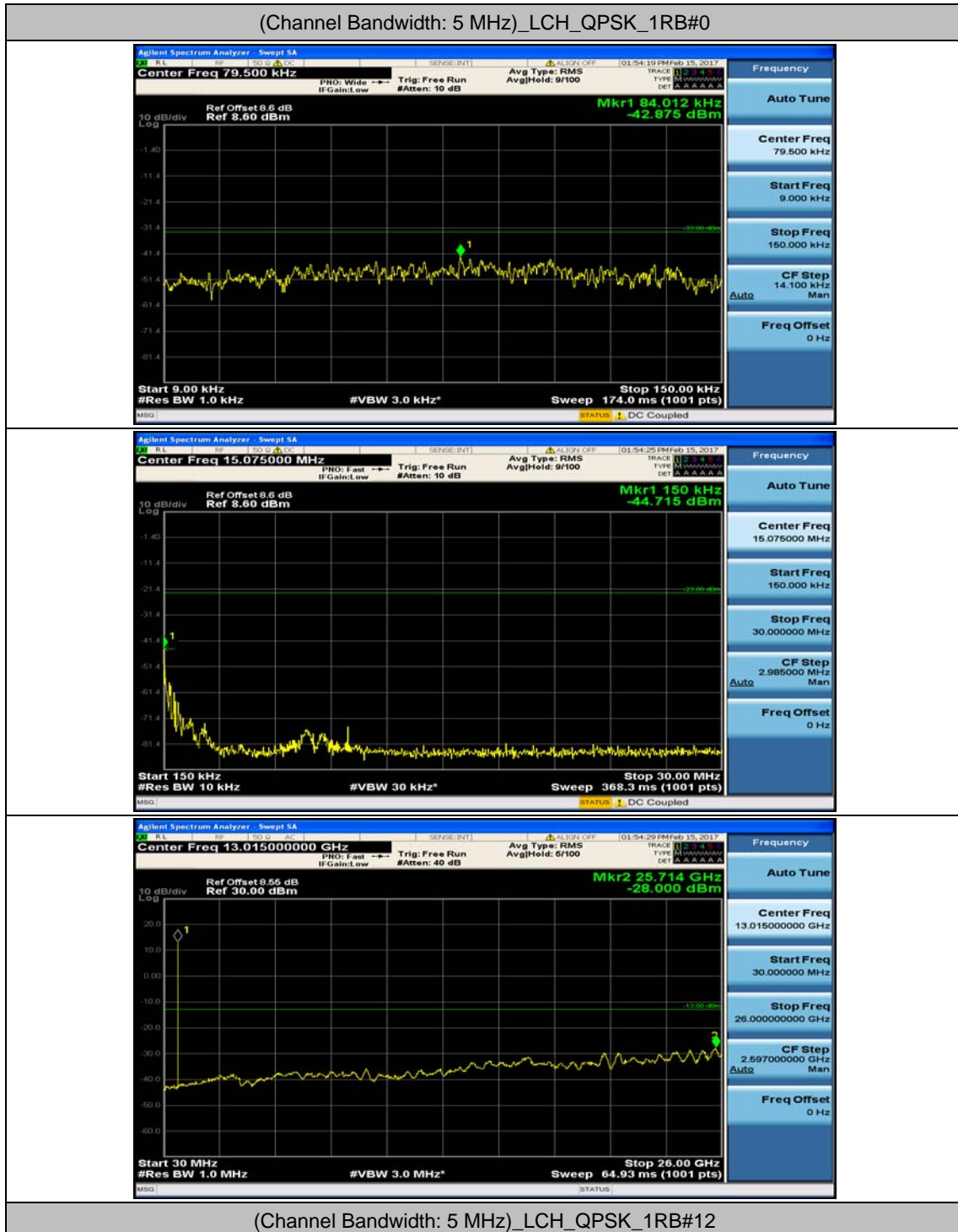
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

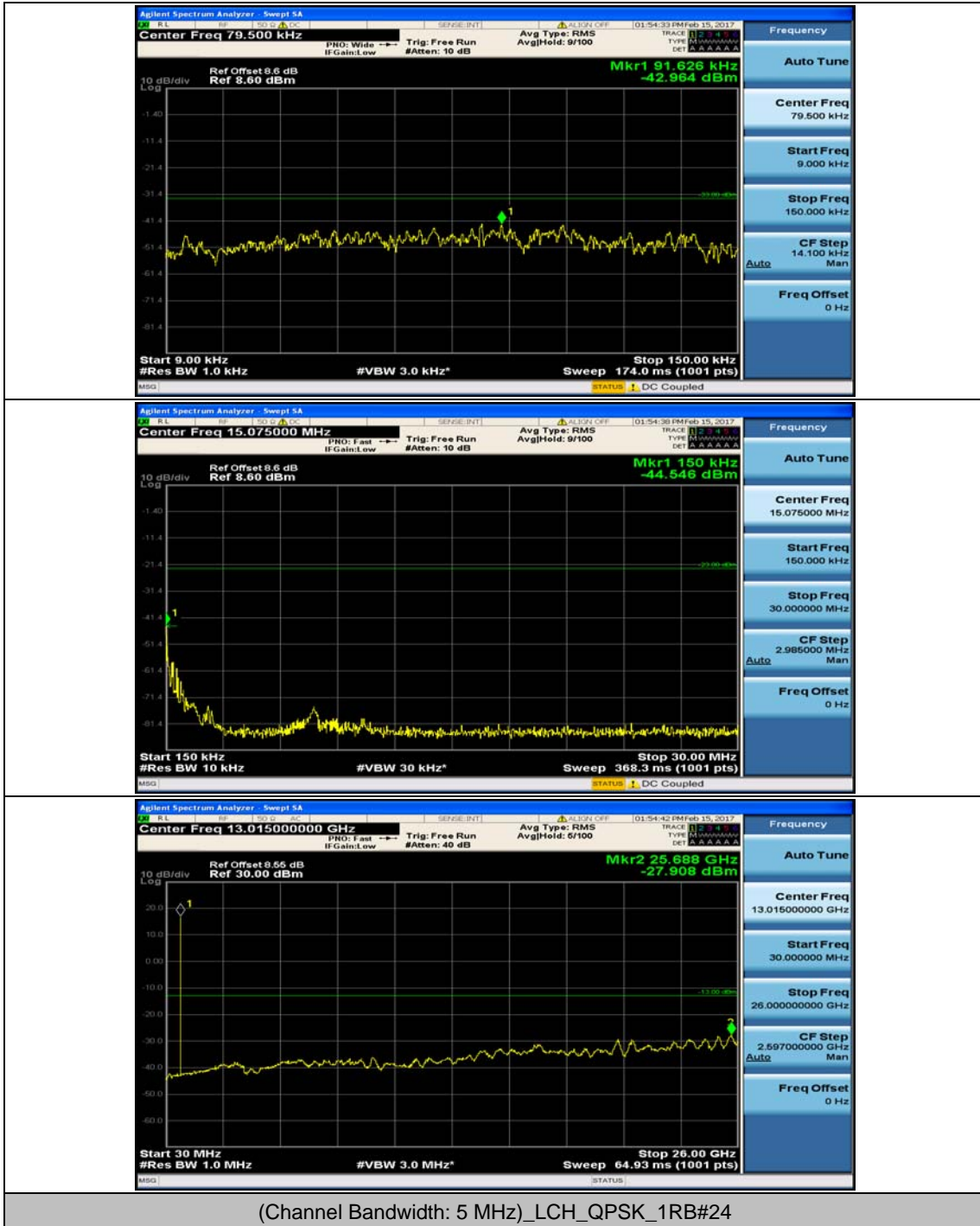


Appendix E: Conducted Spurious Emission

Test Graphs

Channel Bandwidth: 5 MHz

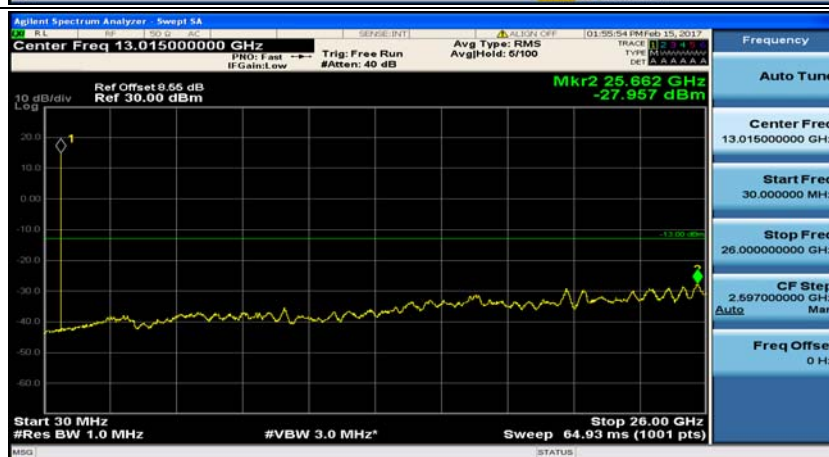
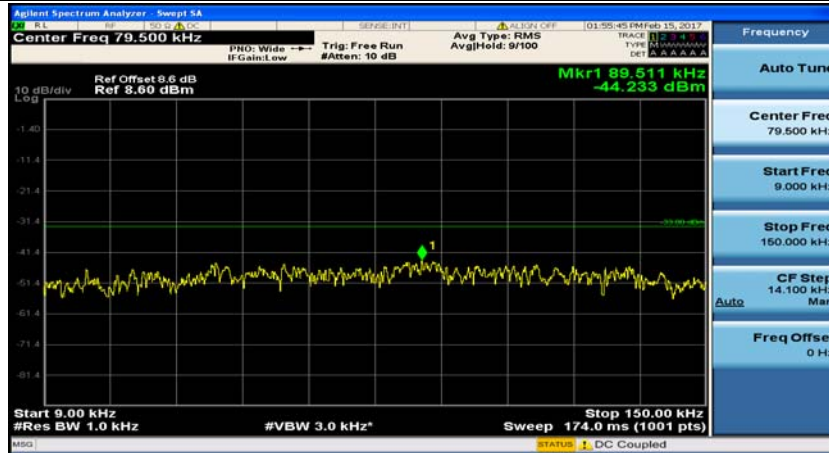




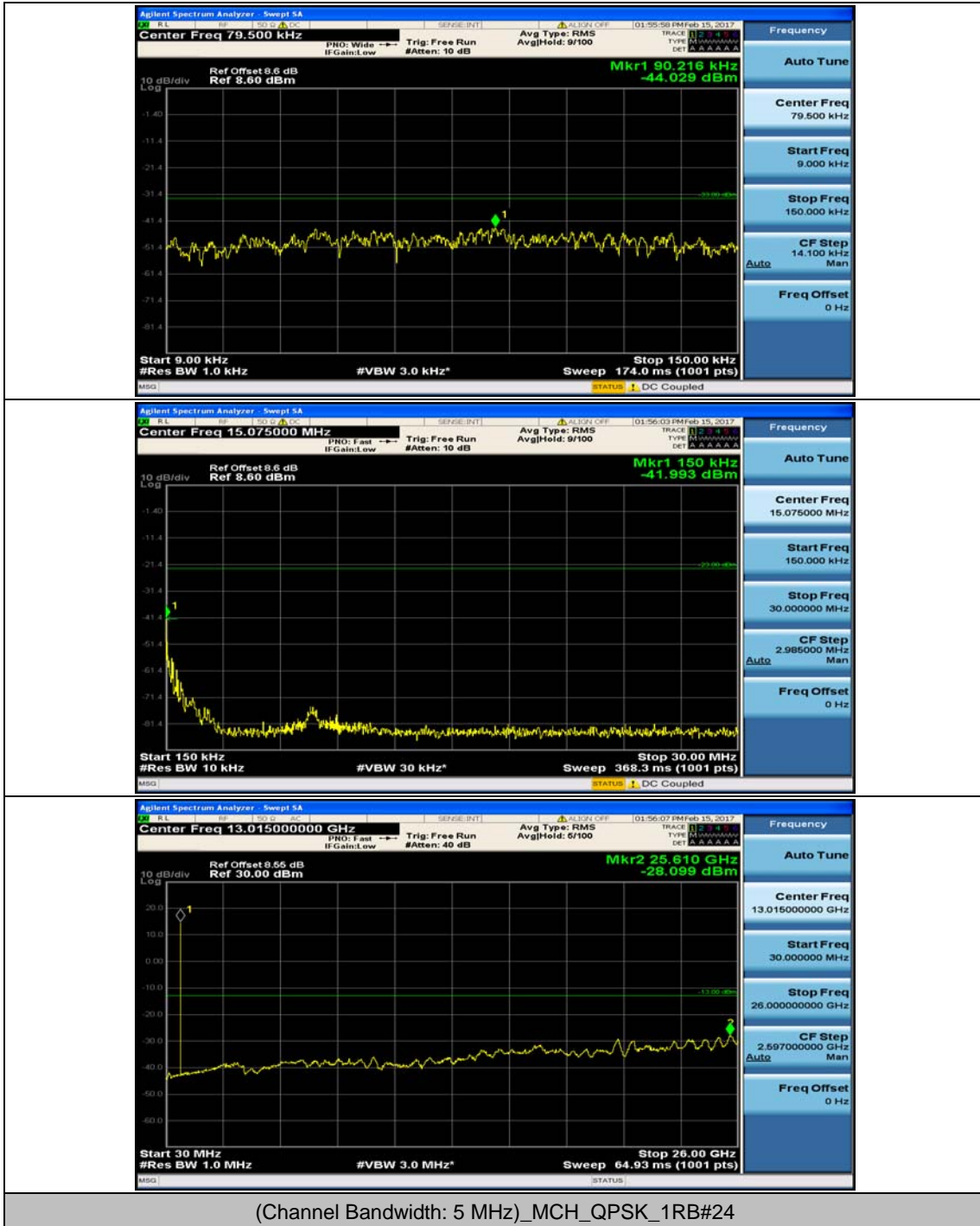
(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#24

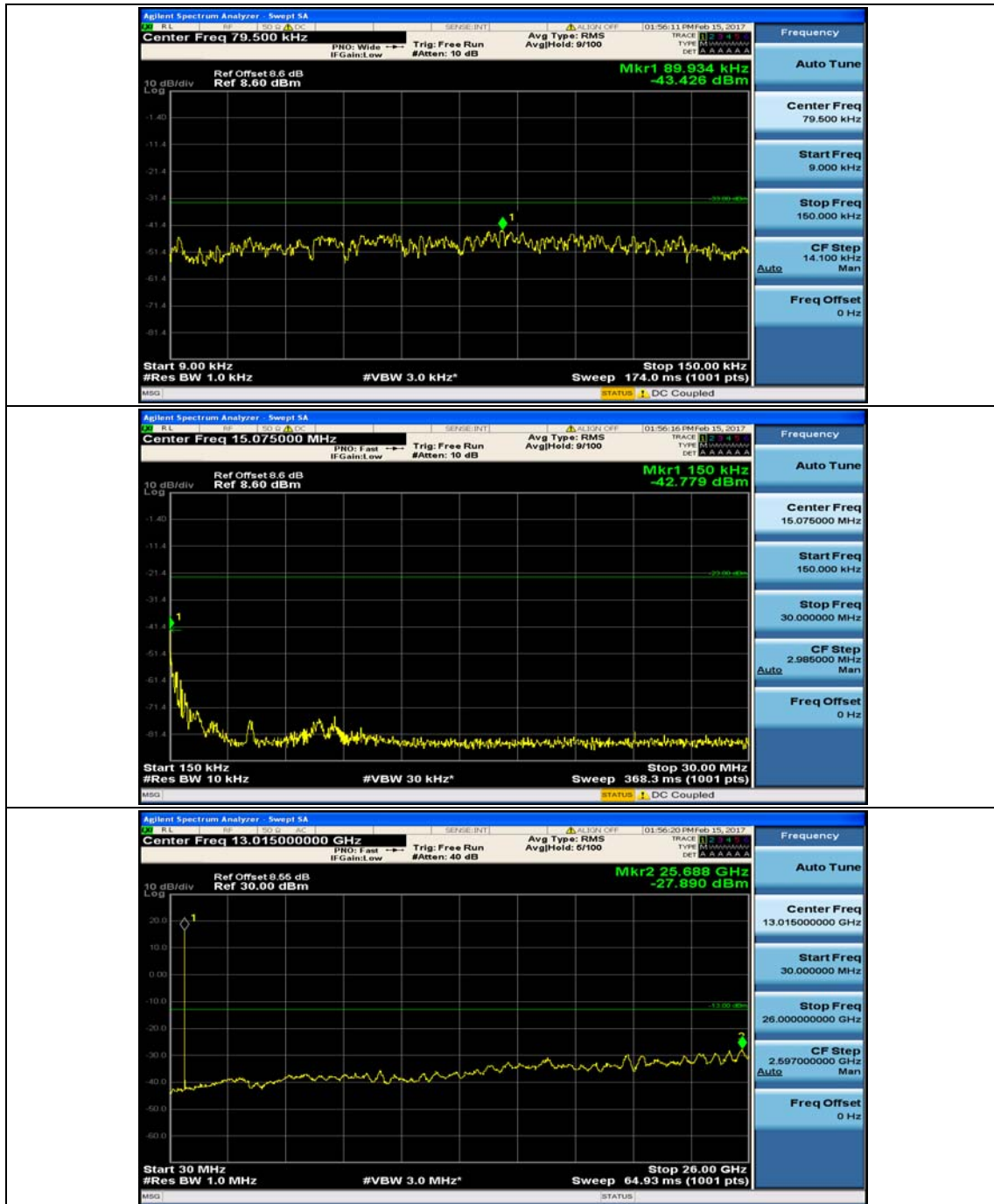


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

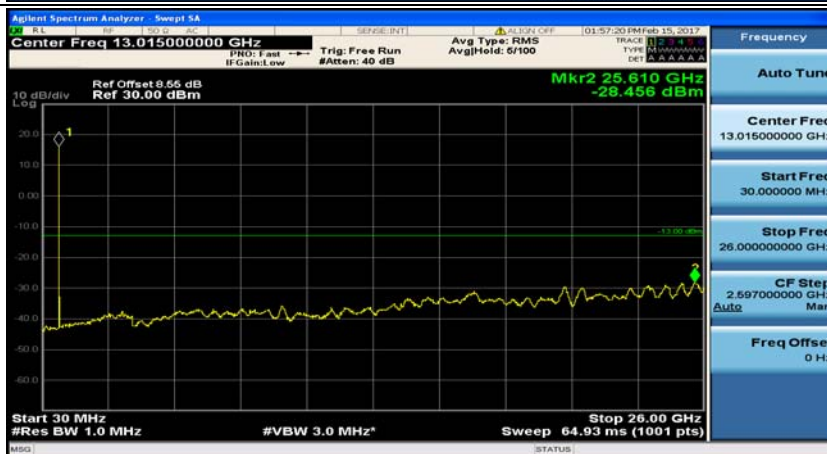
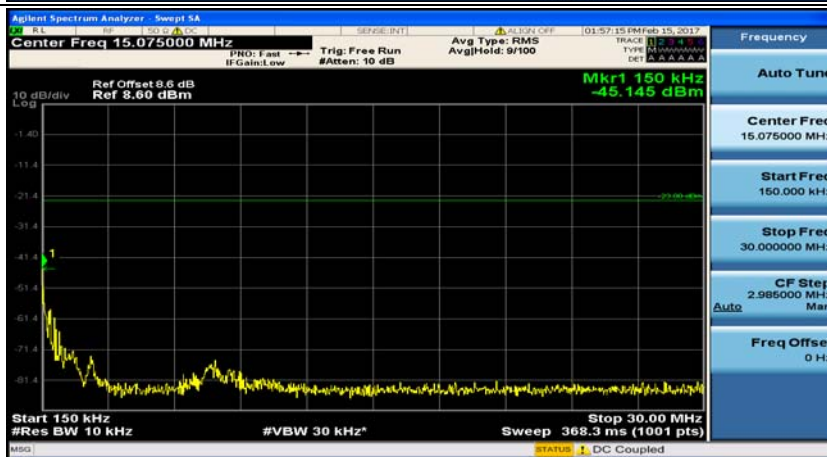
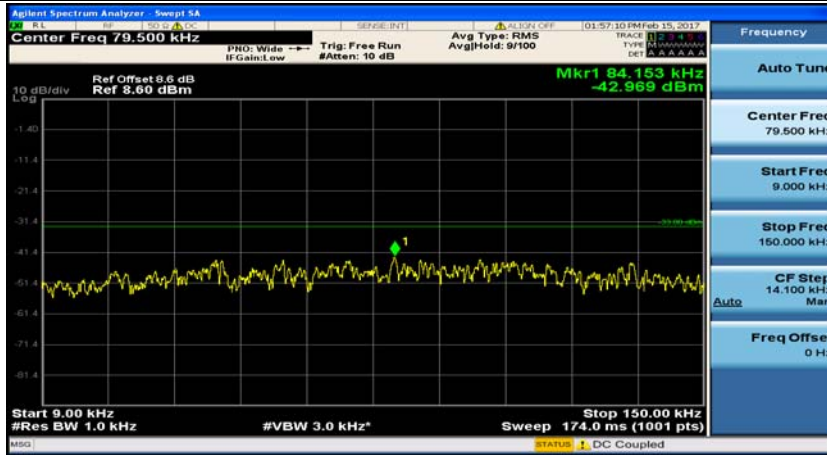


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

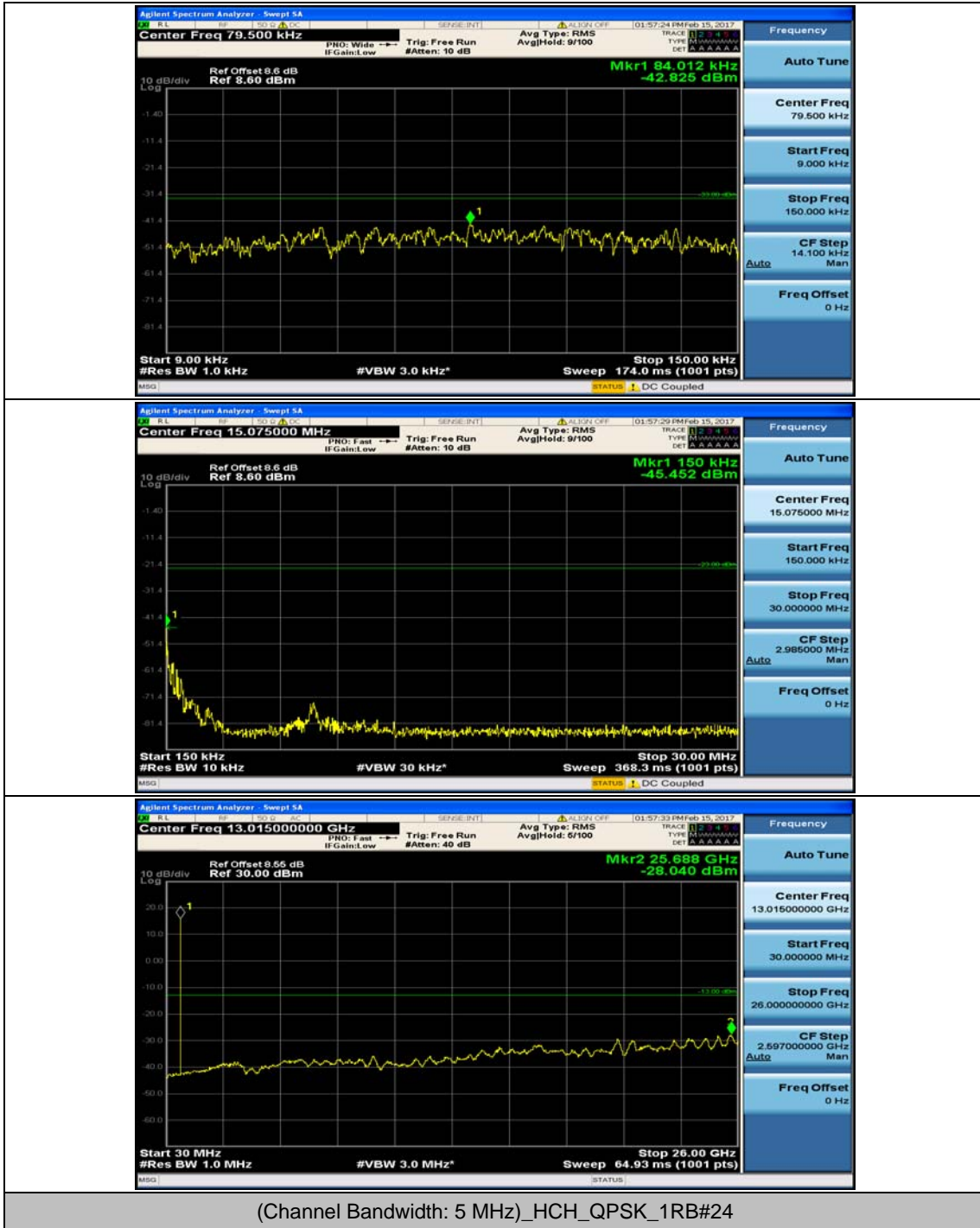


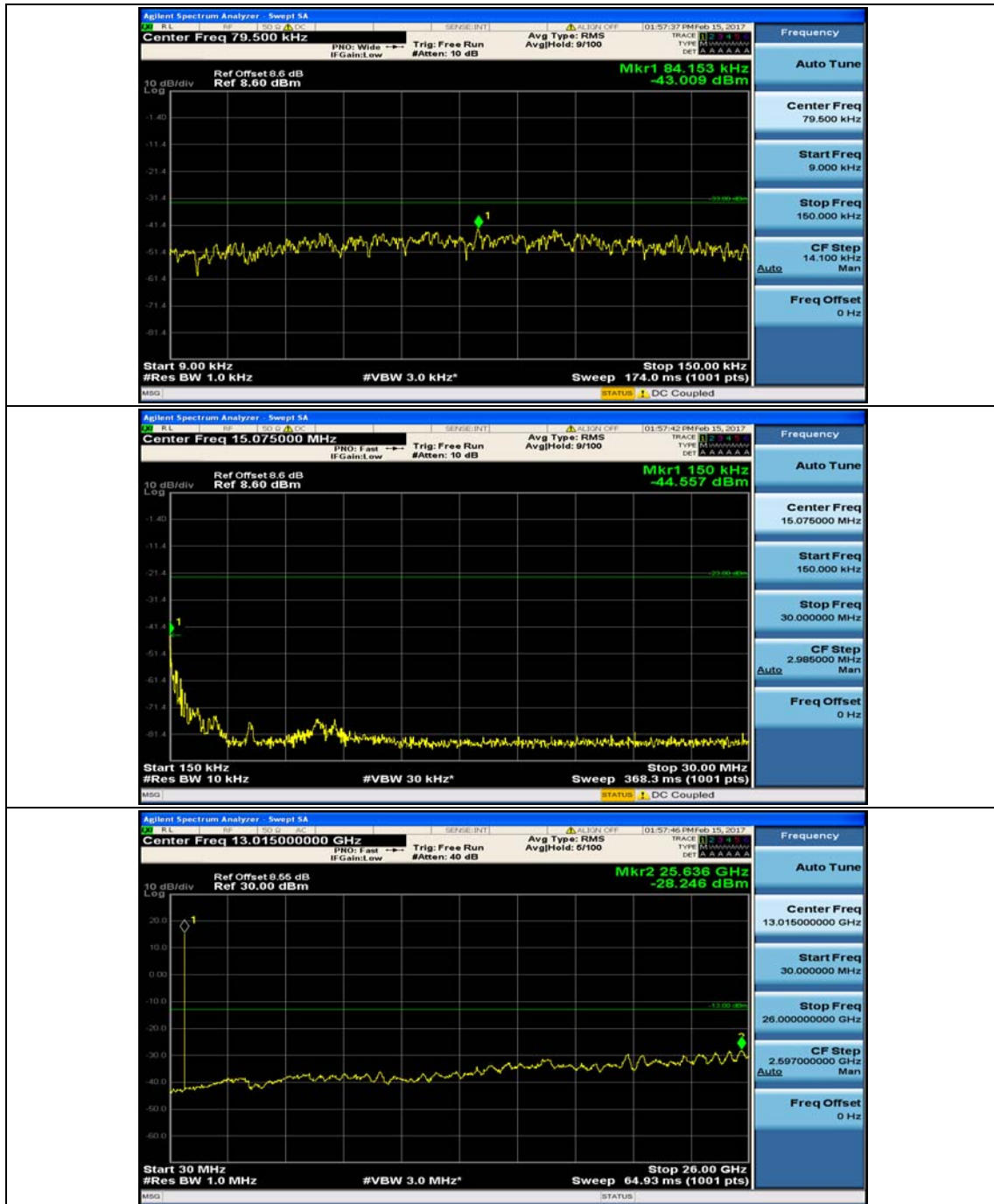


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

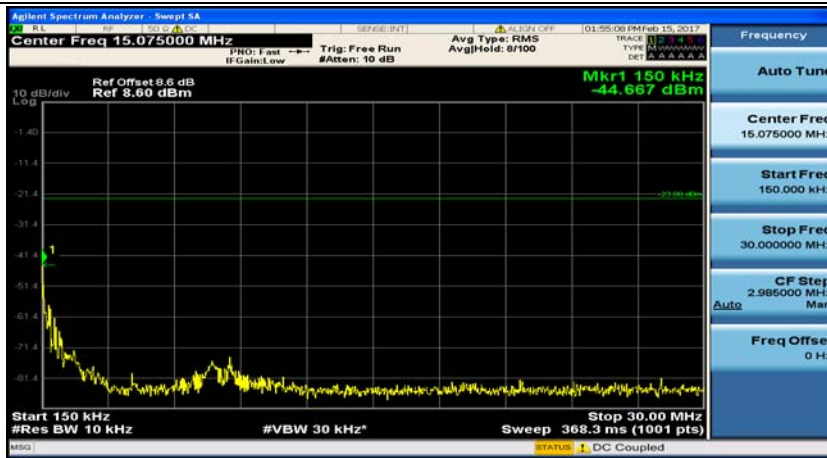
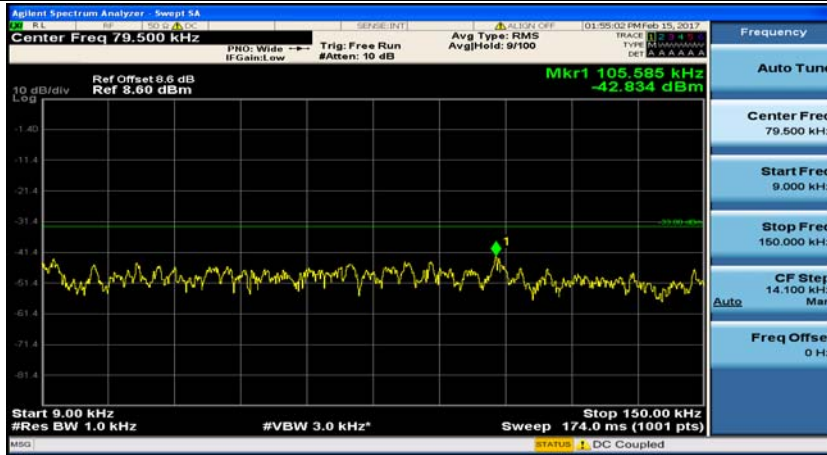


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

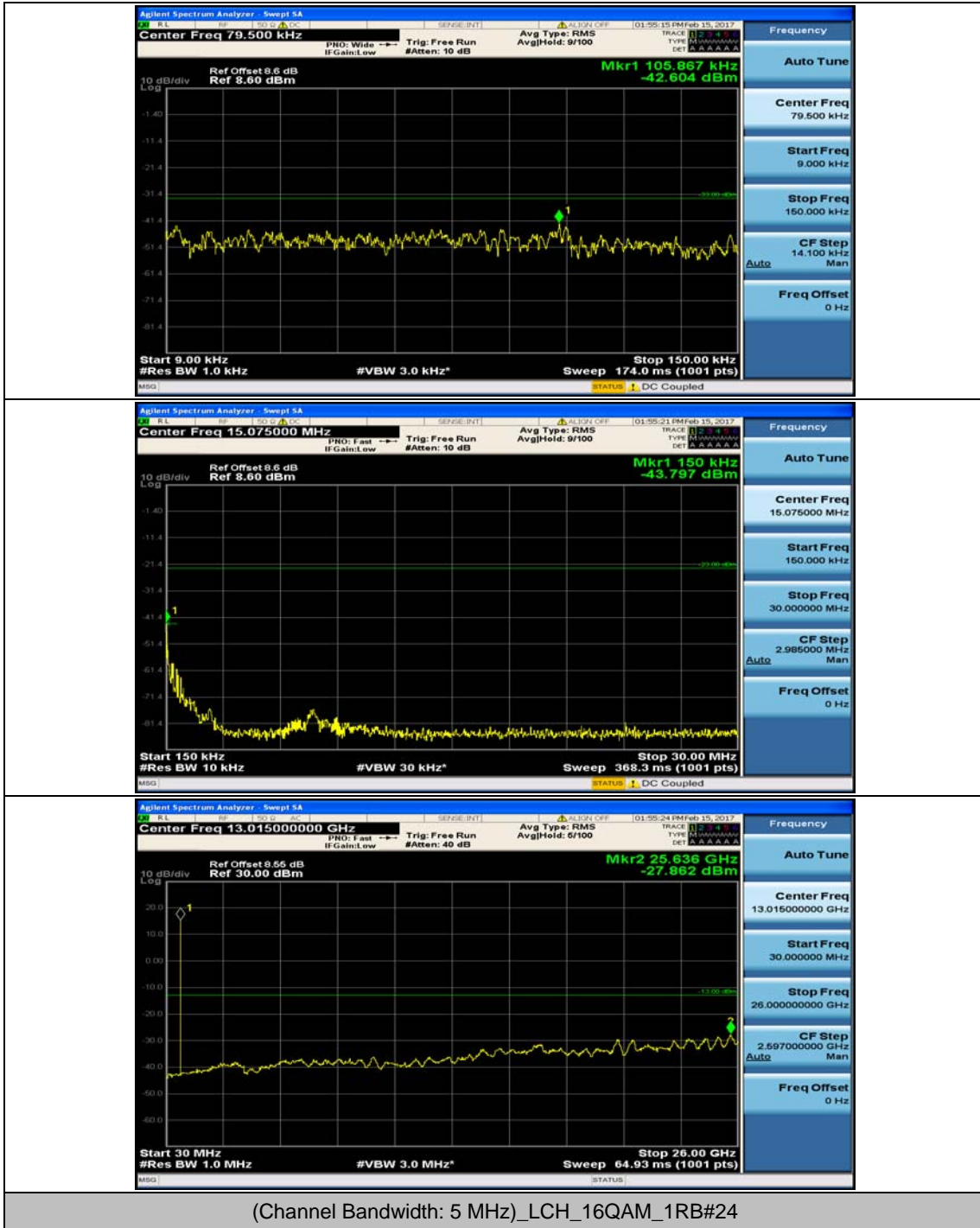


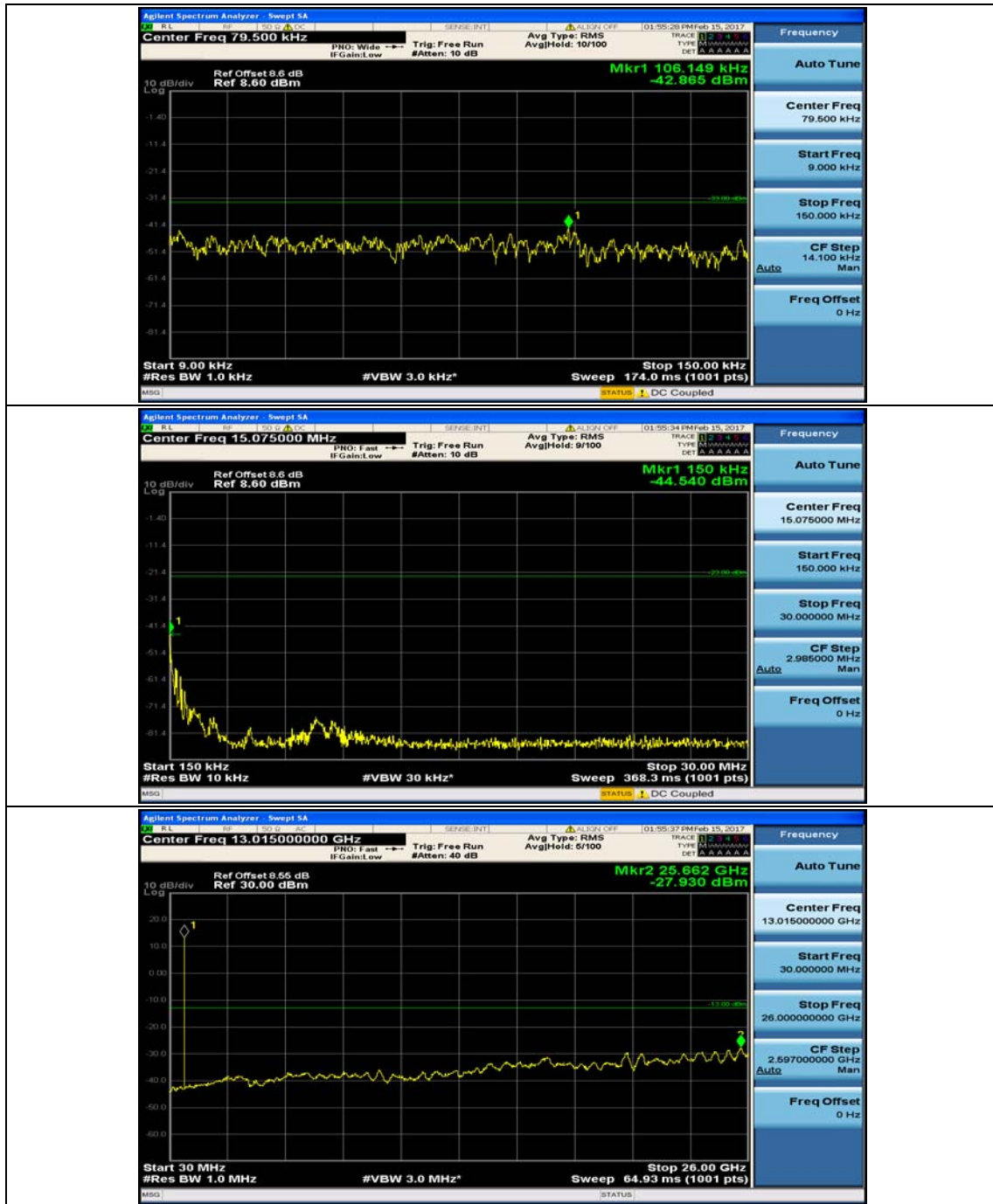


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

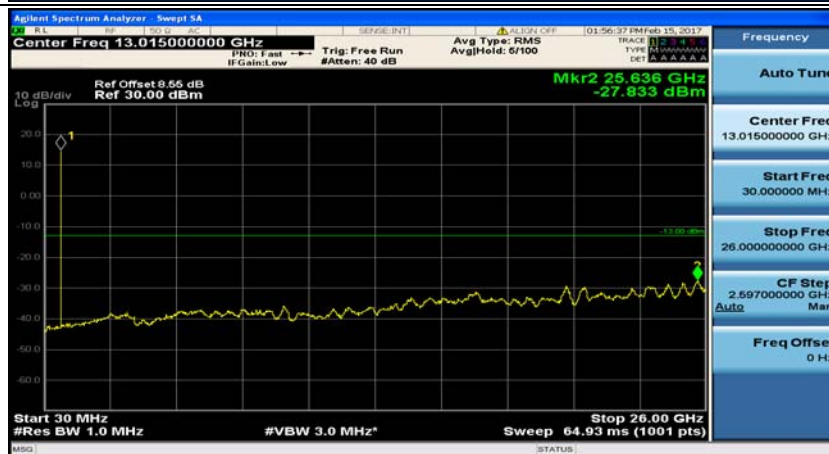
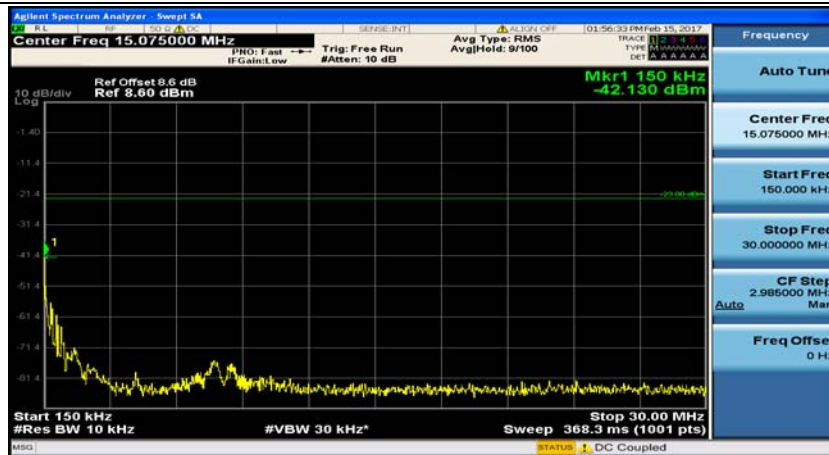
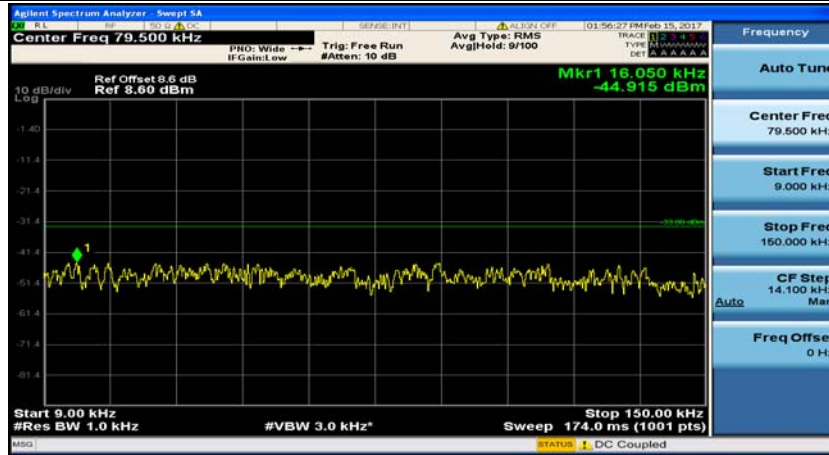


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

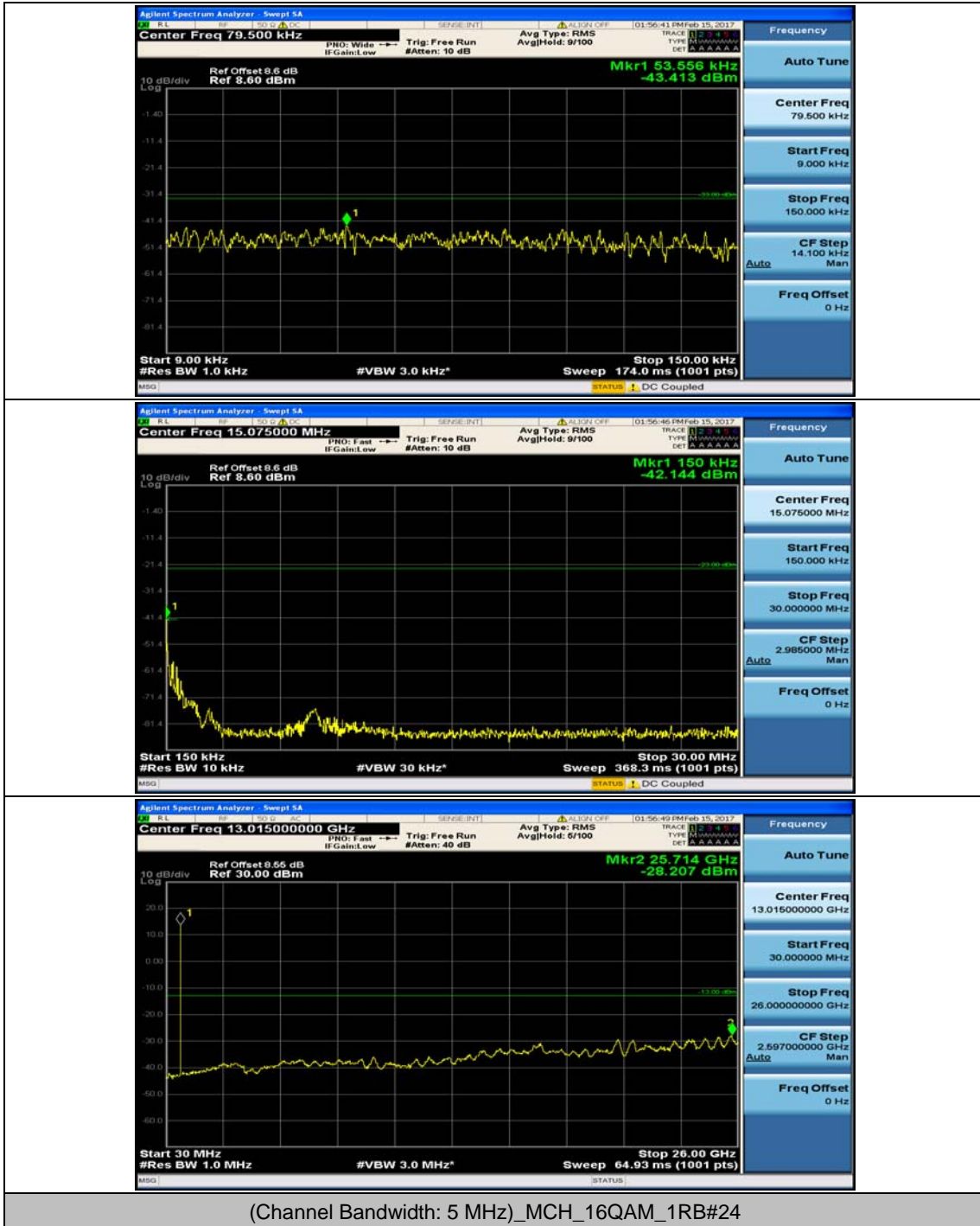


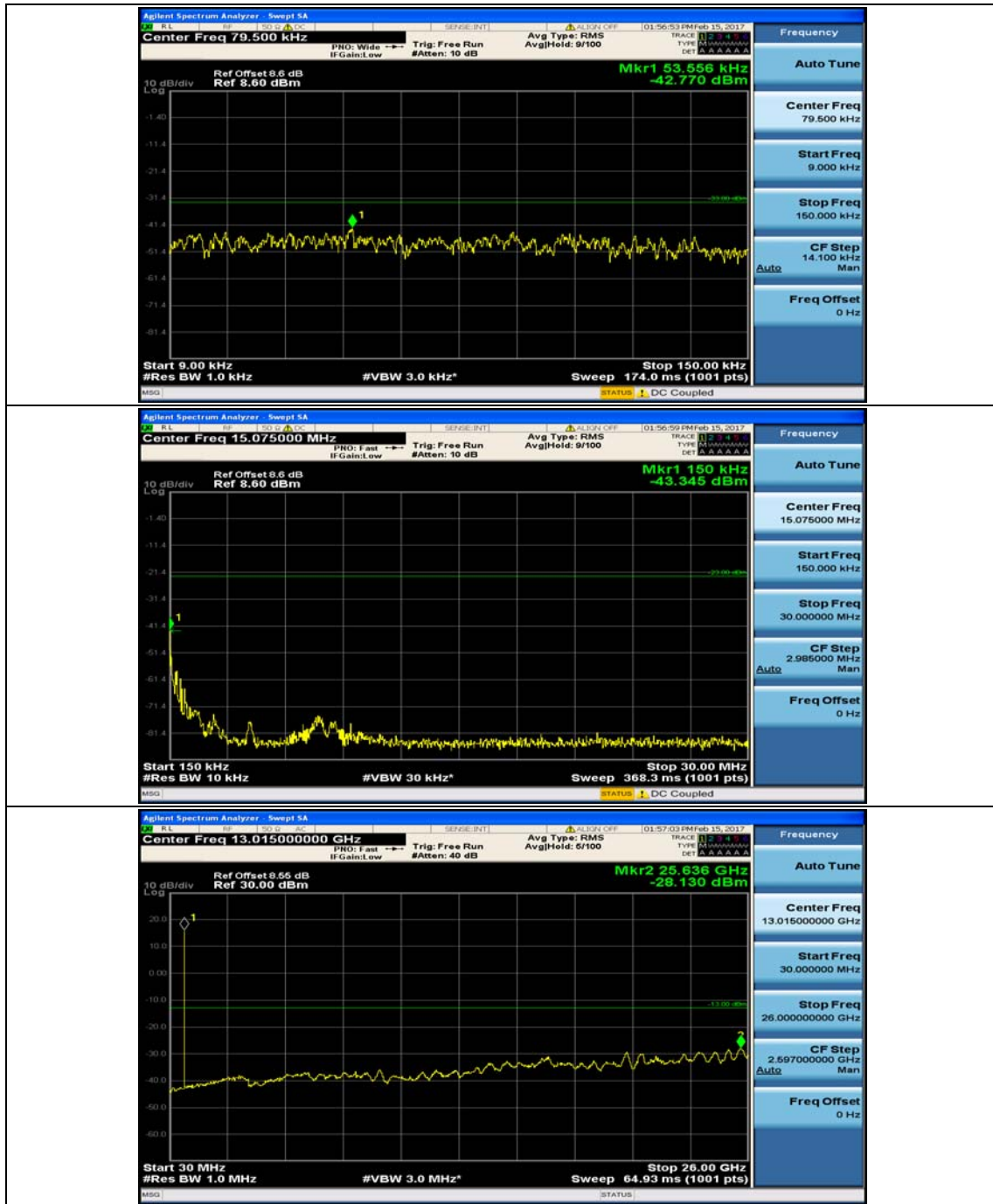


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

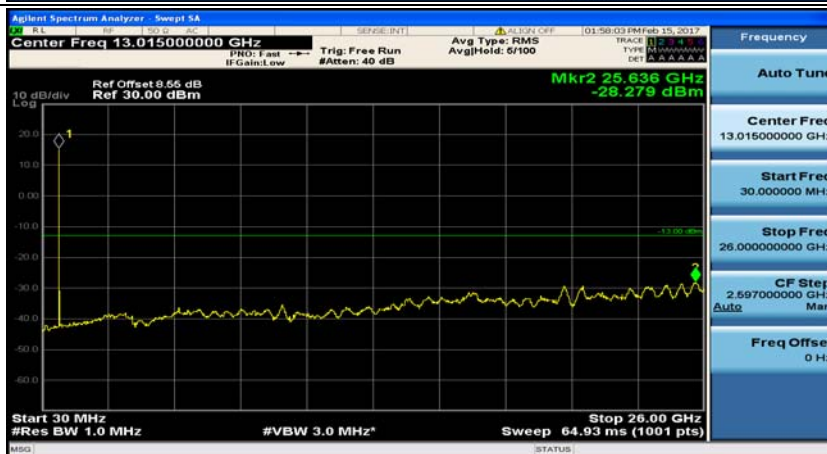
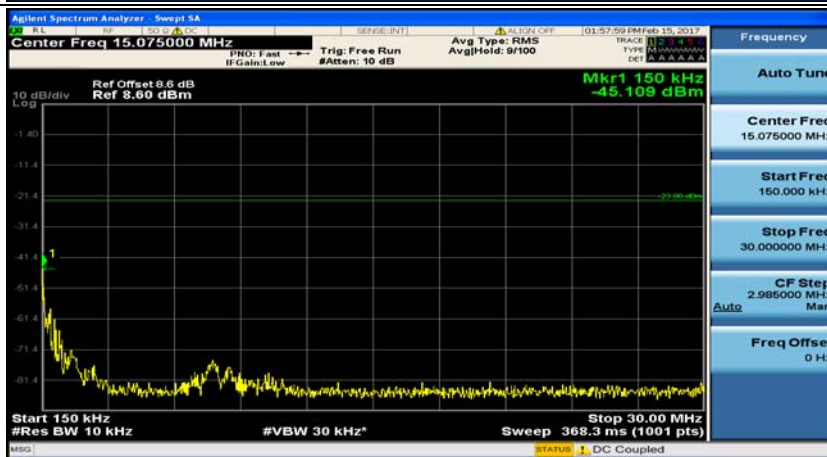


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

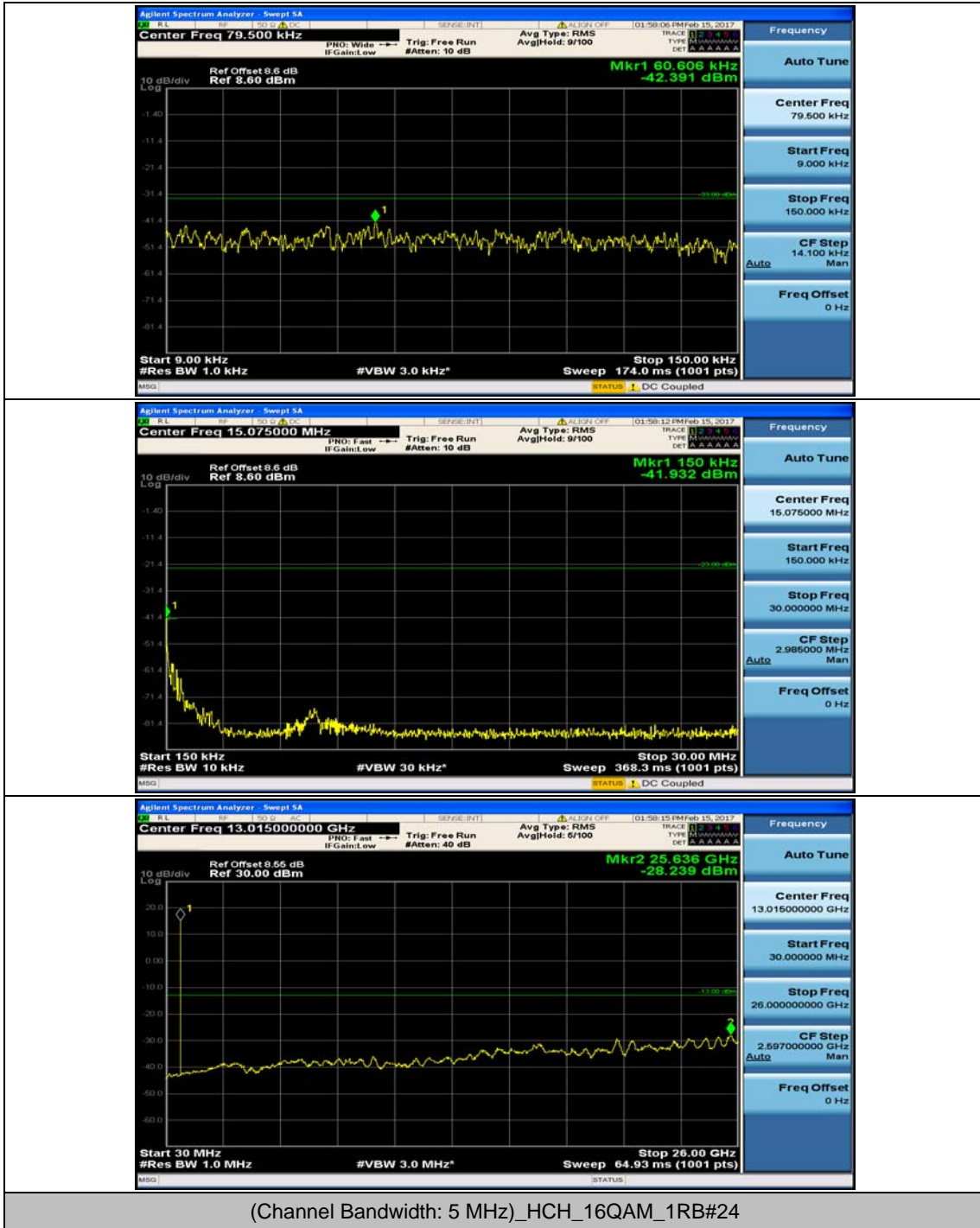


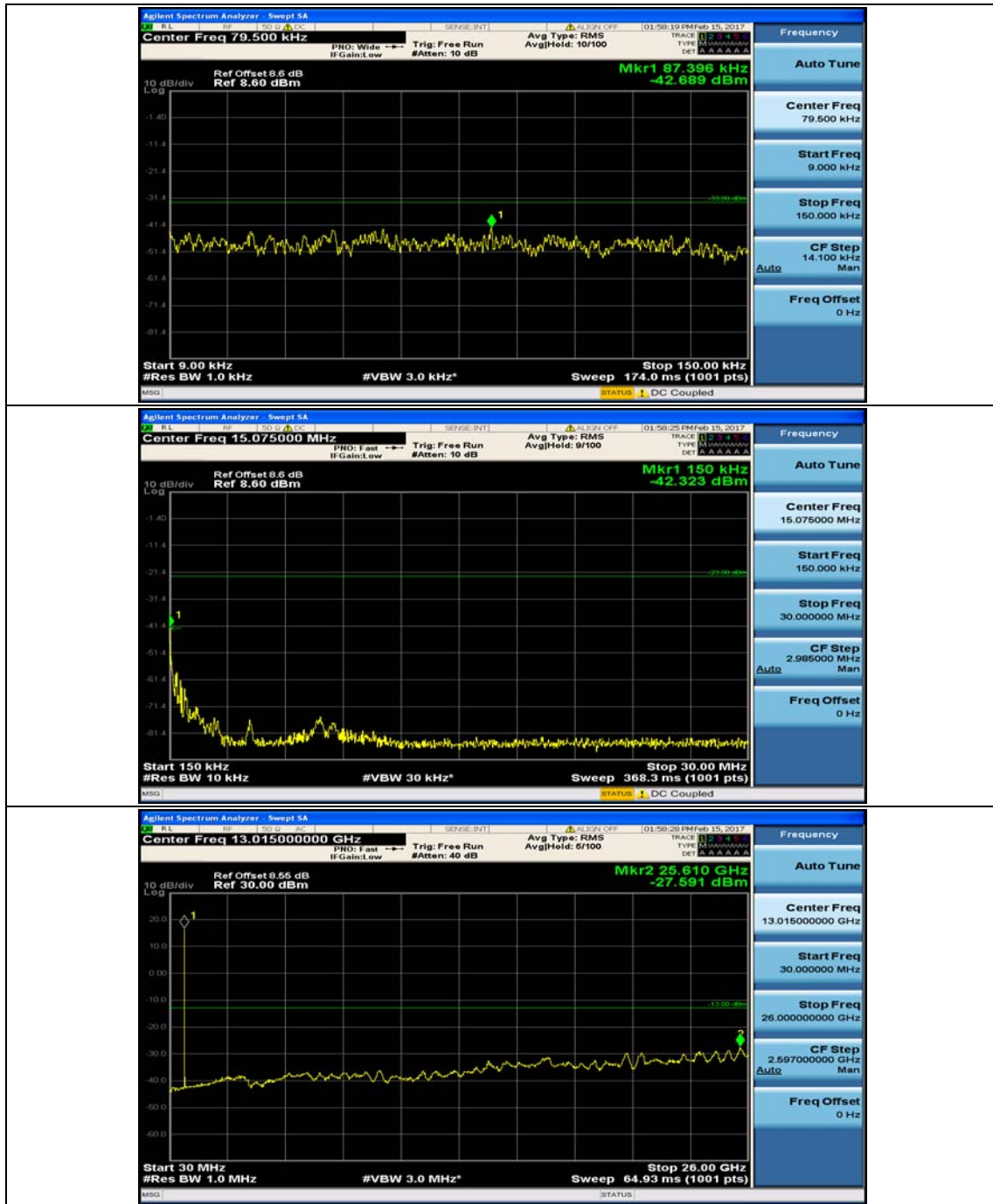


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

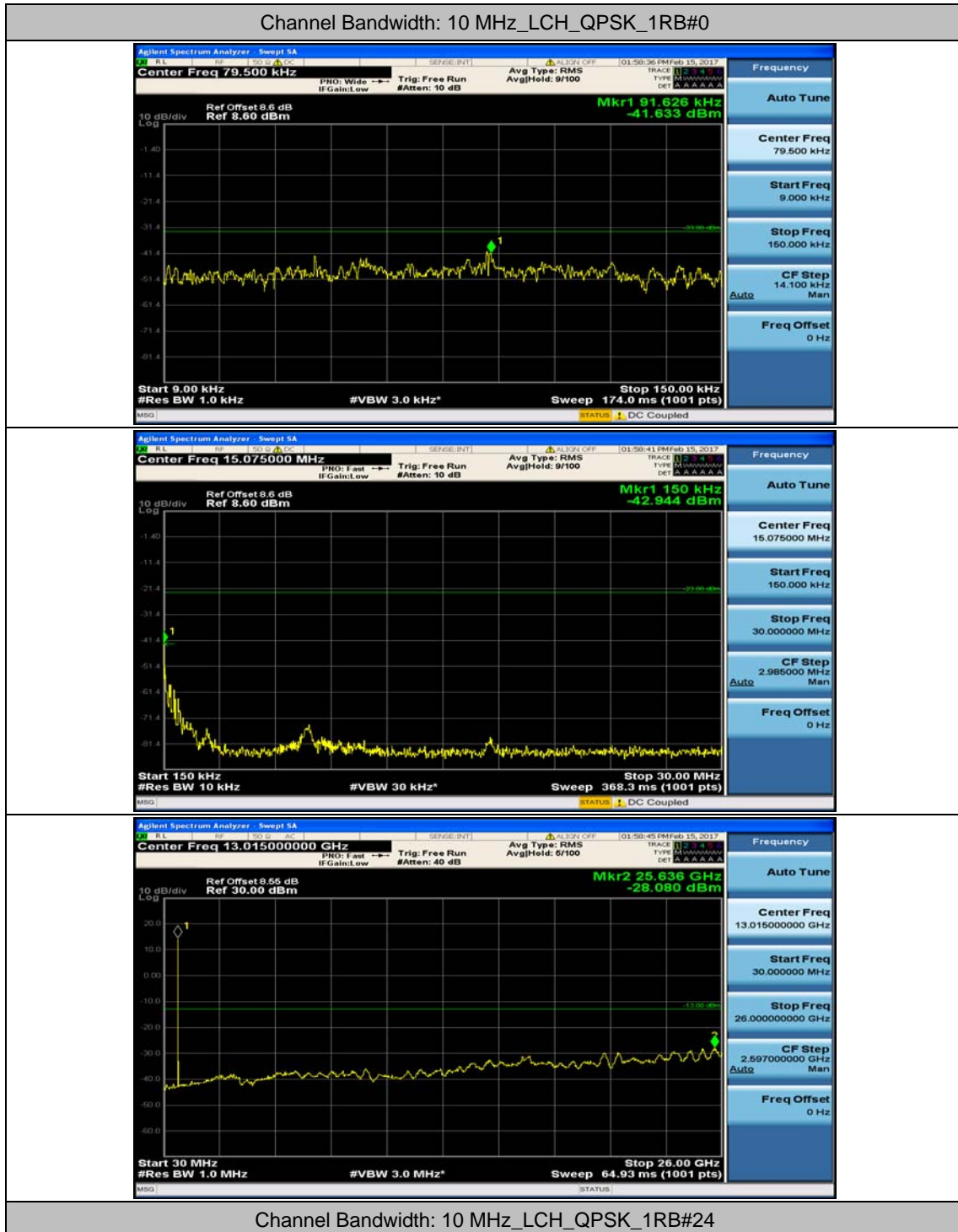


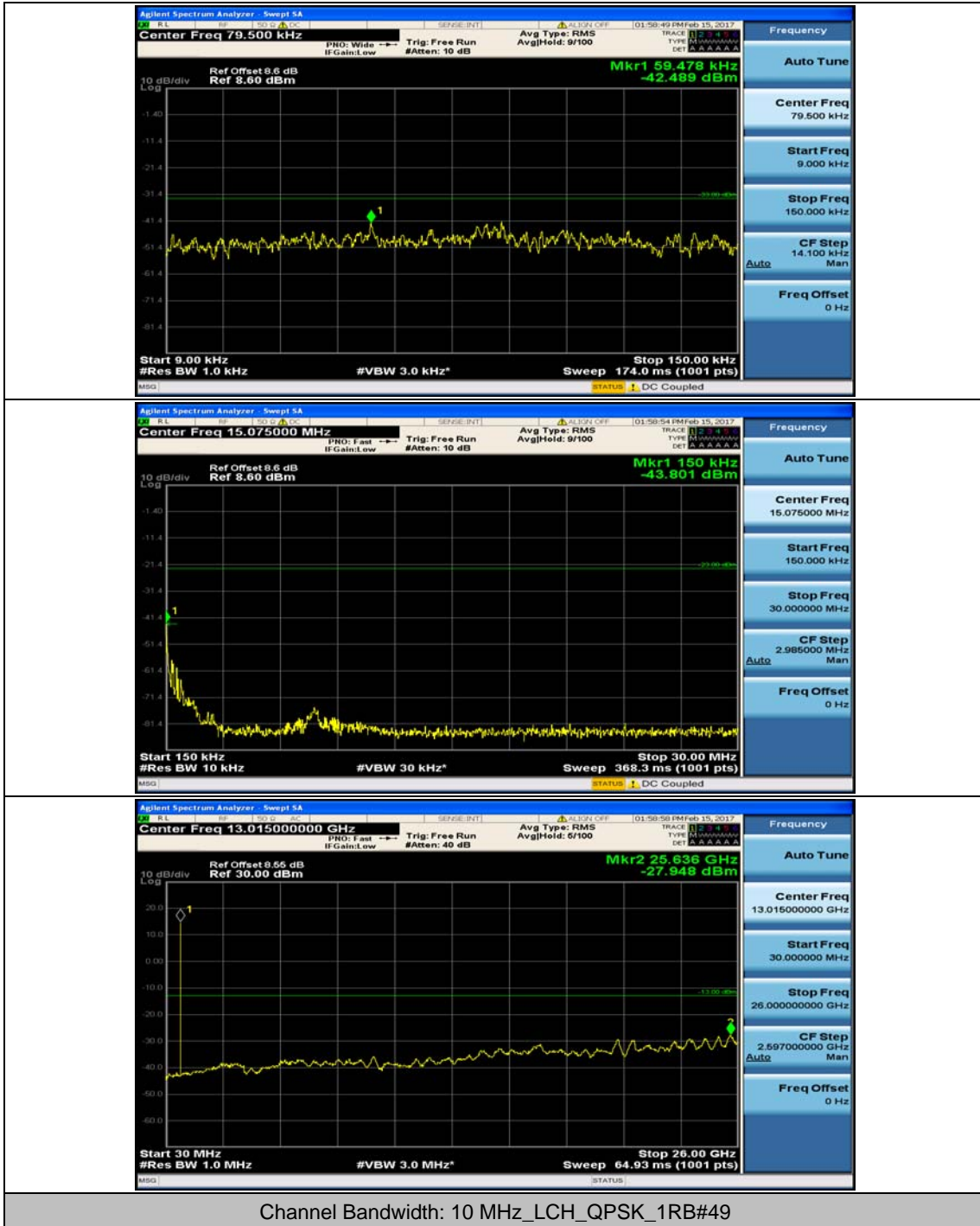
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

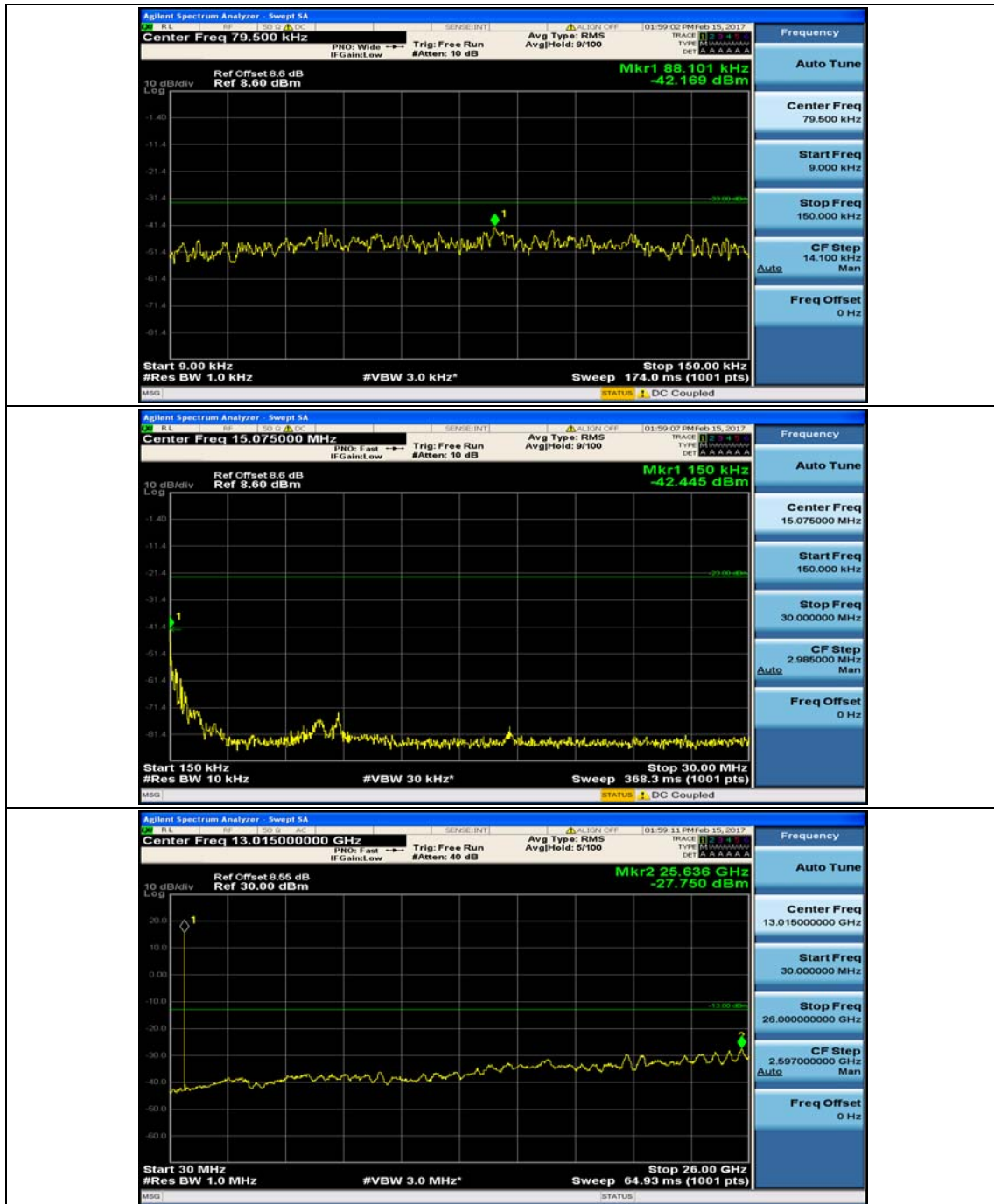




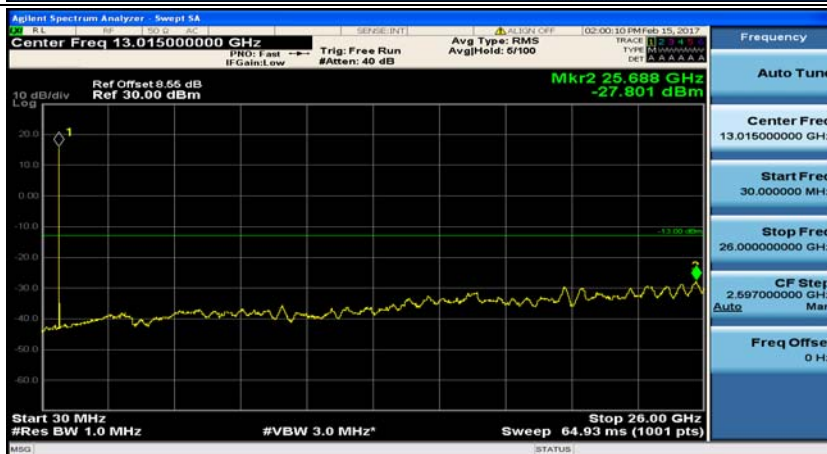
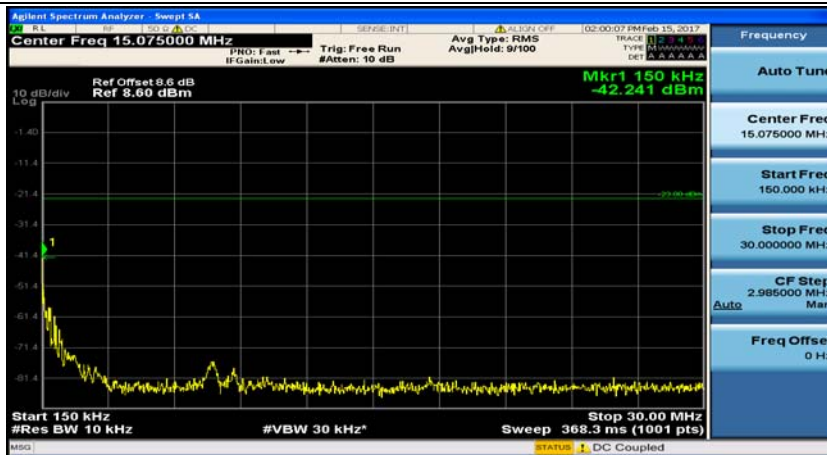
Channel Bandwidth: 10 MHz



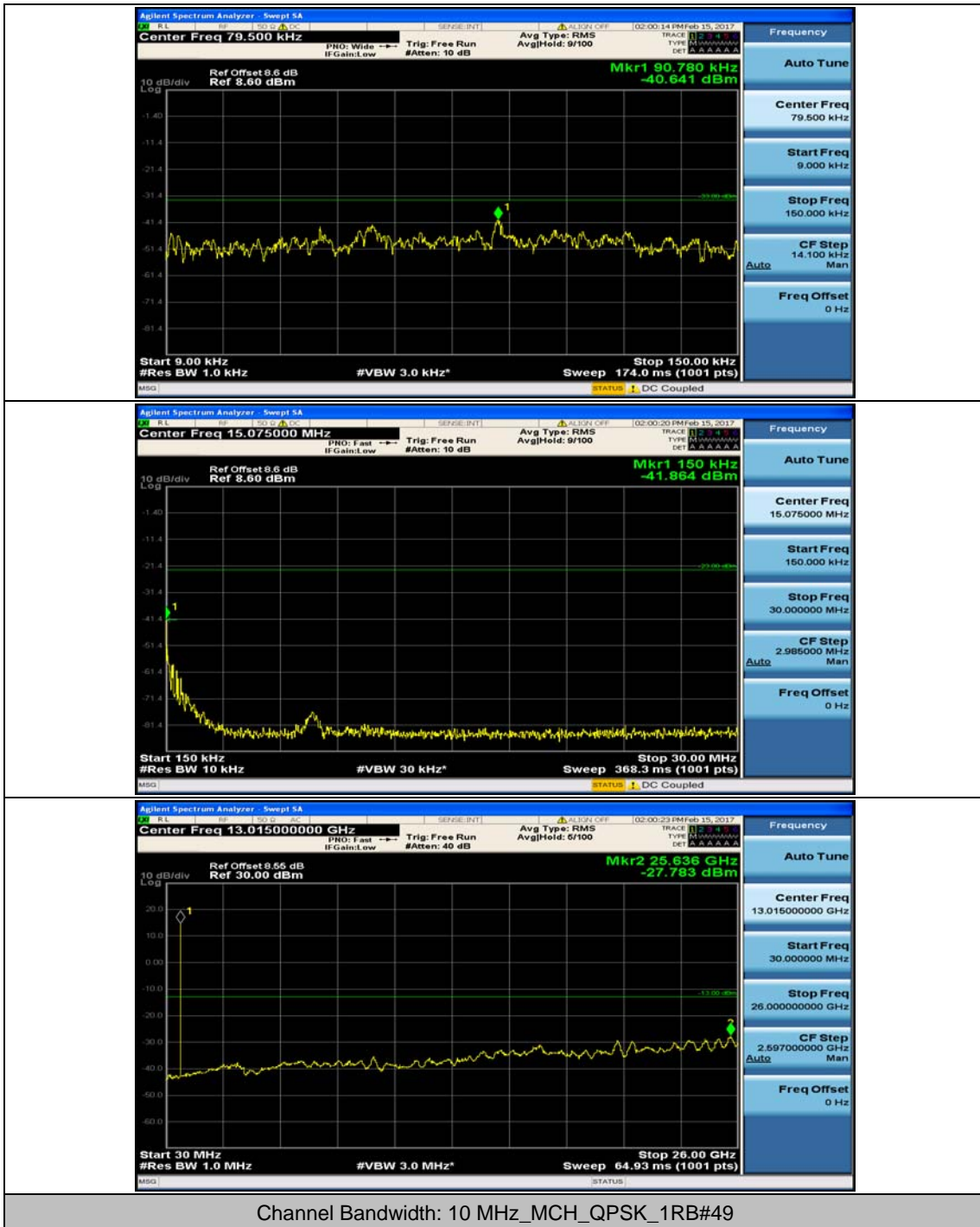


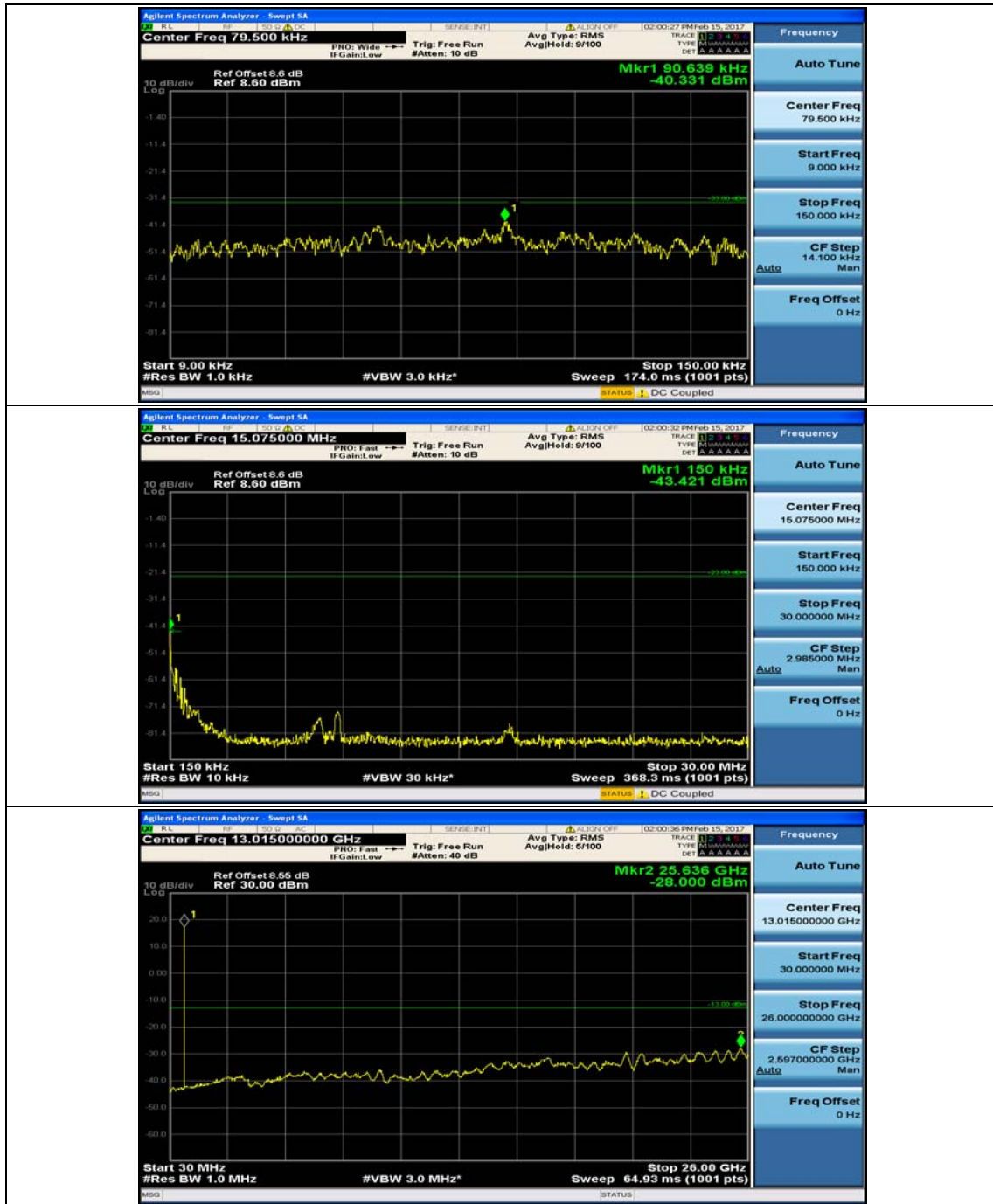


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

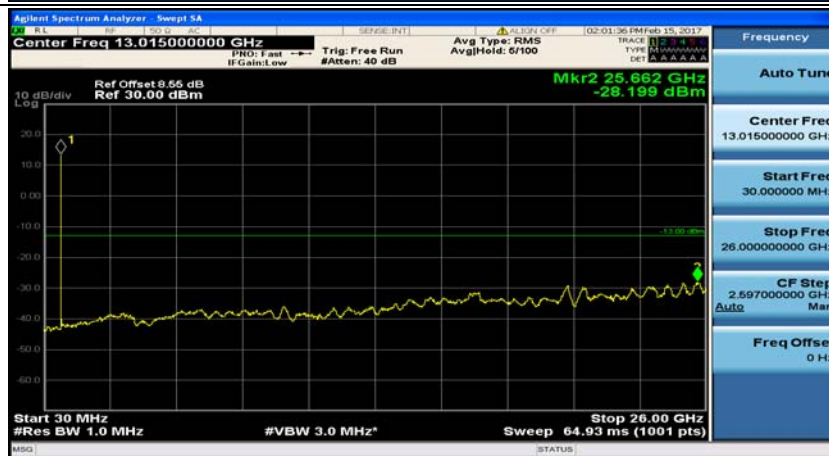
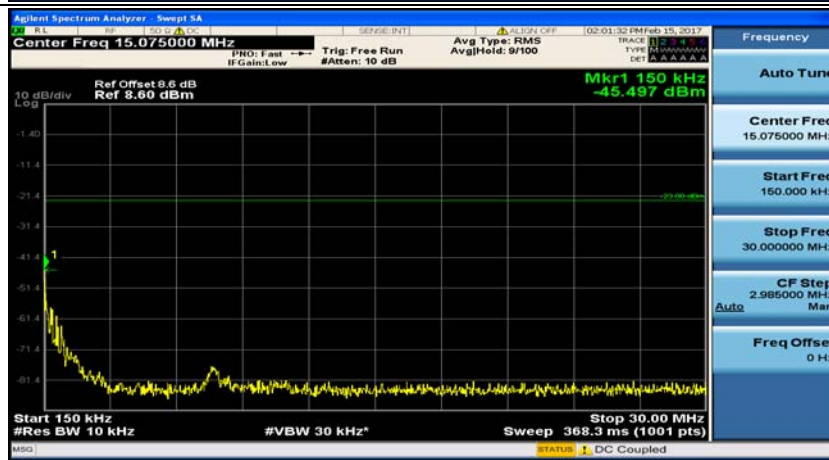
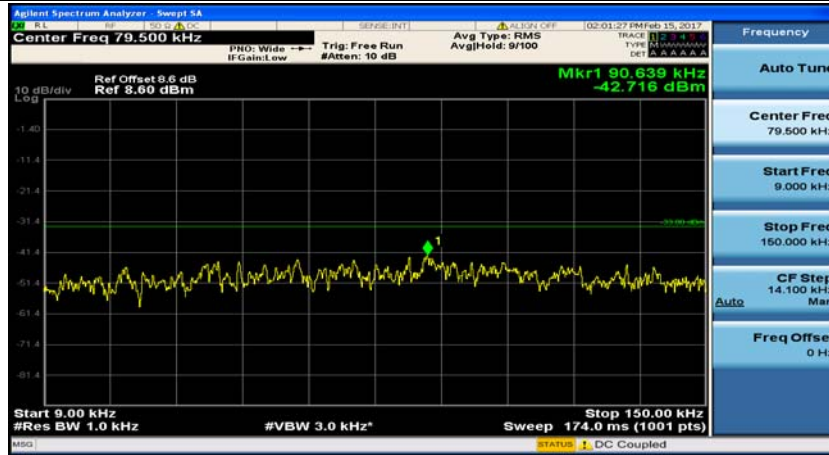


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

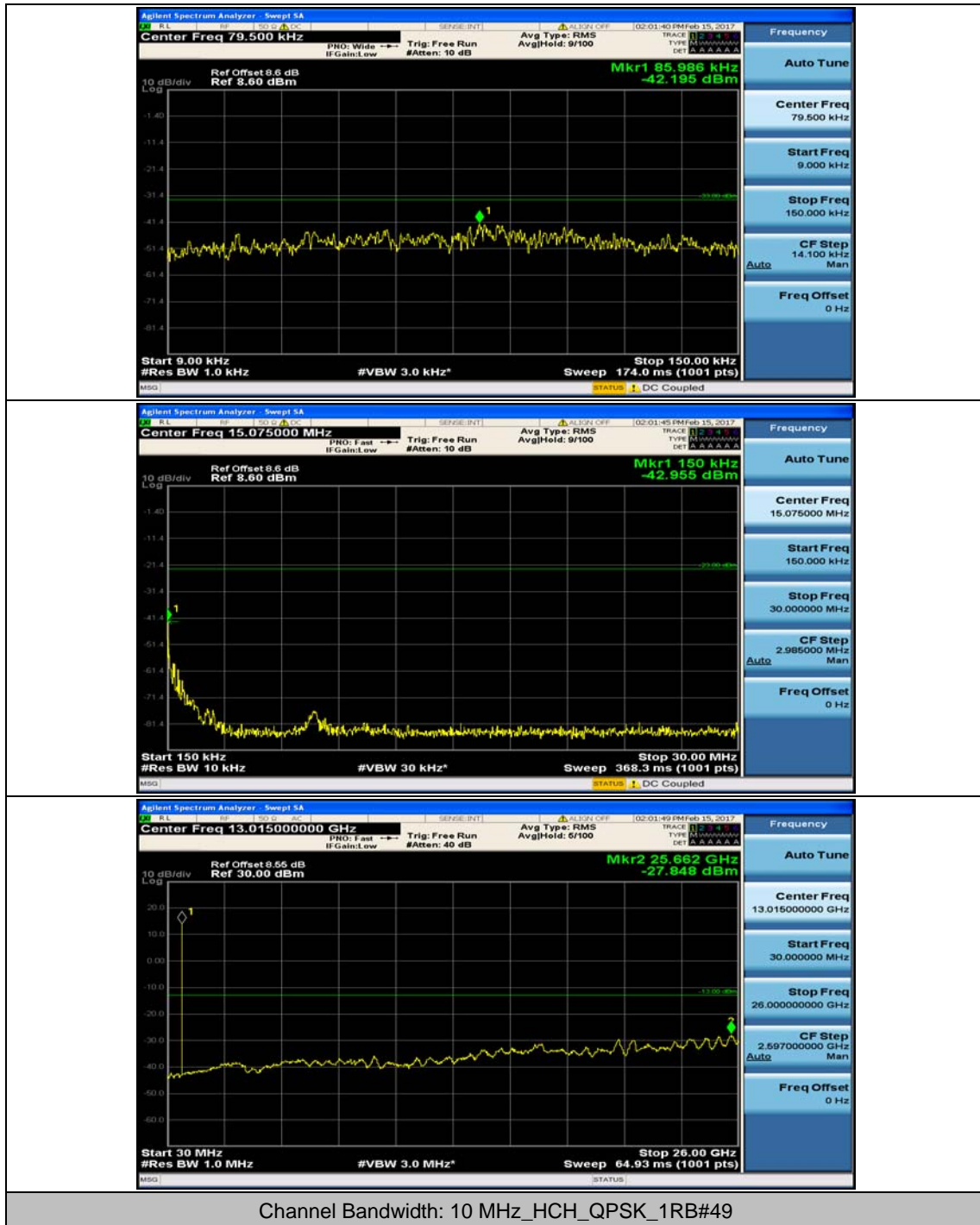


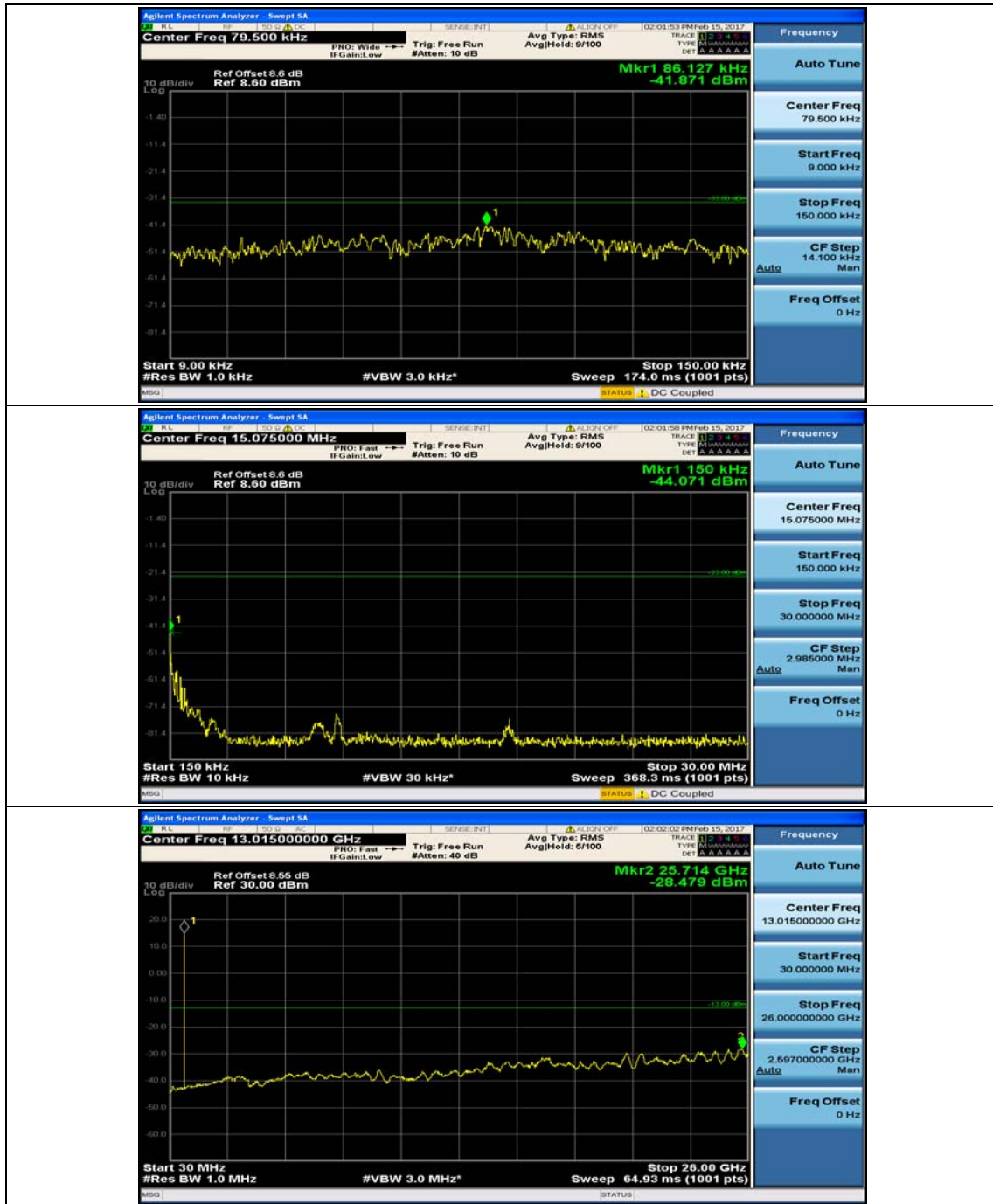


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

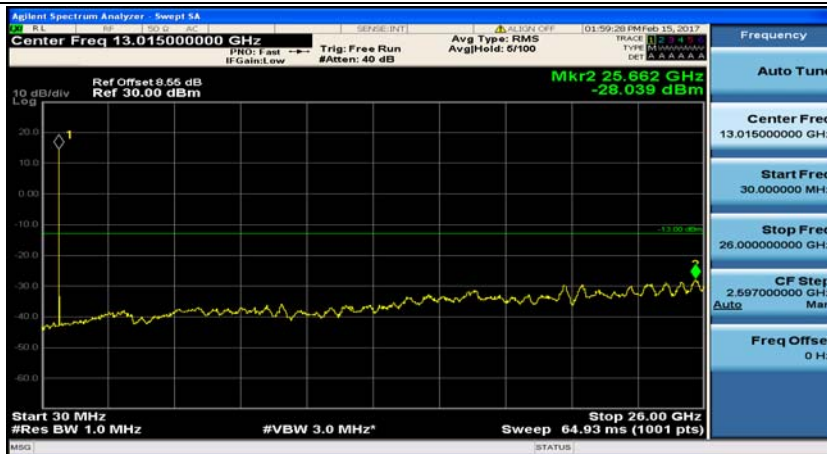
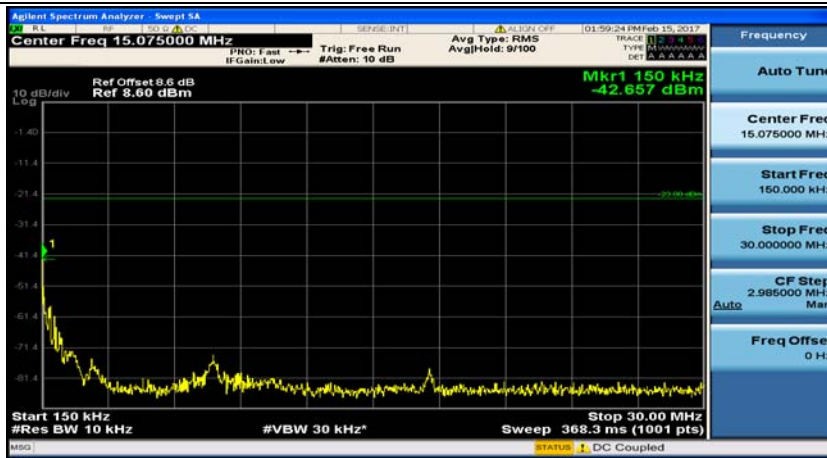
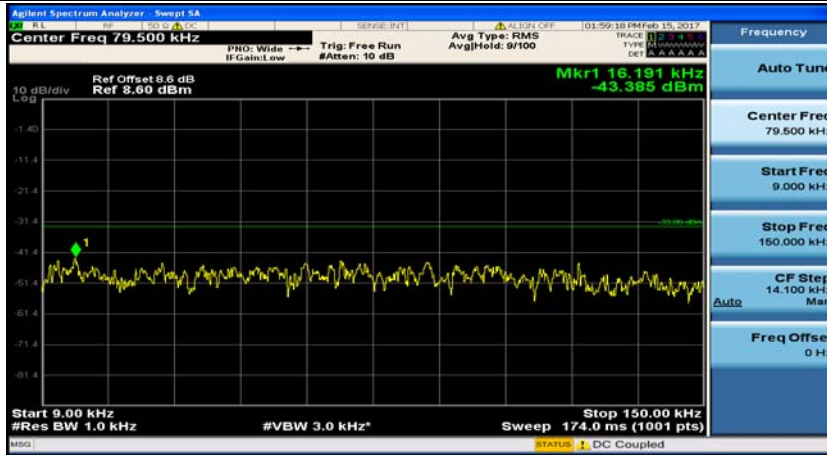


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

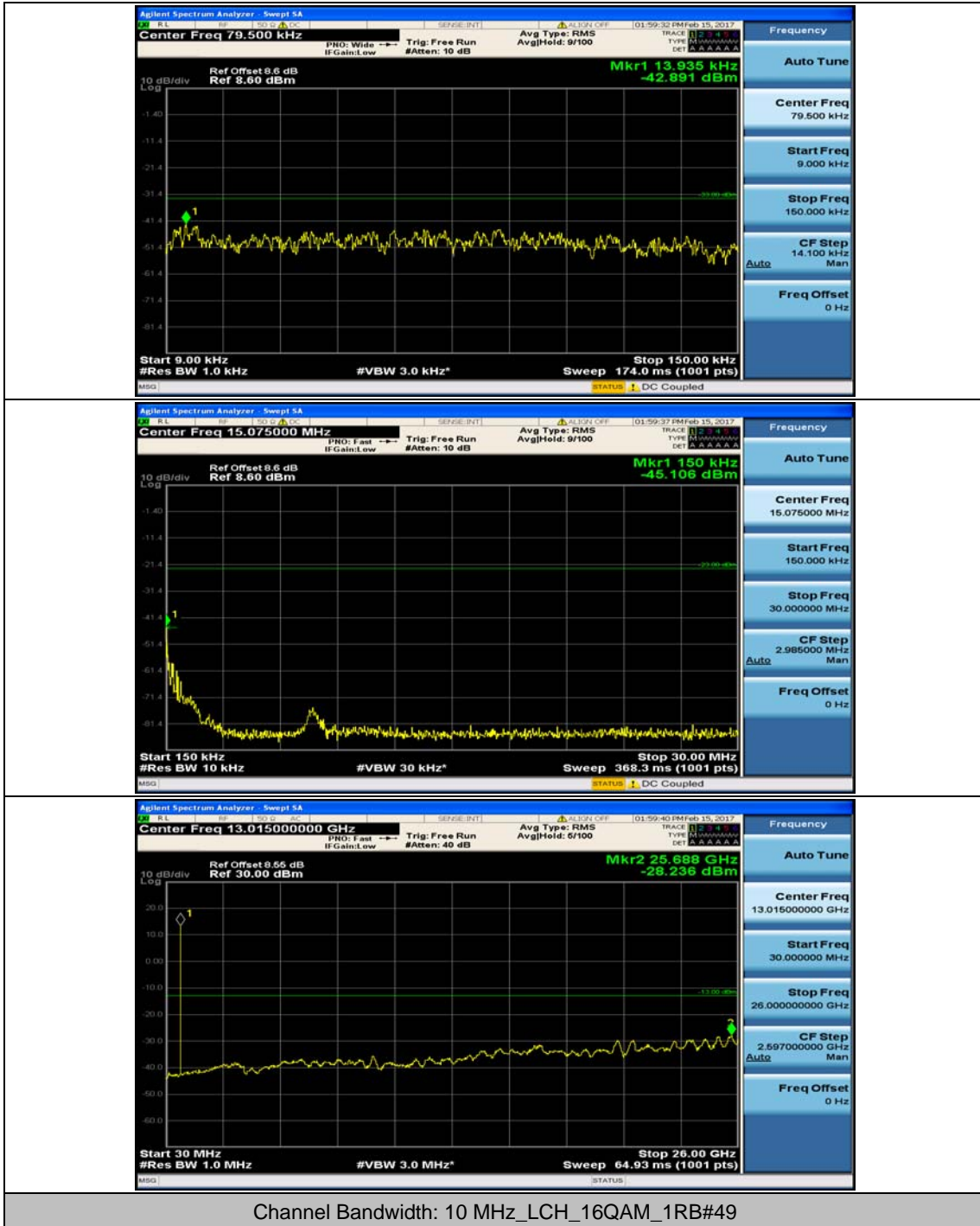


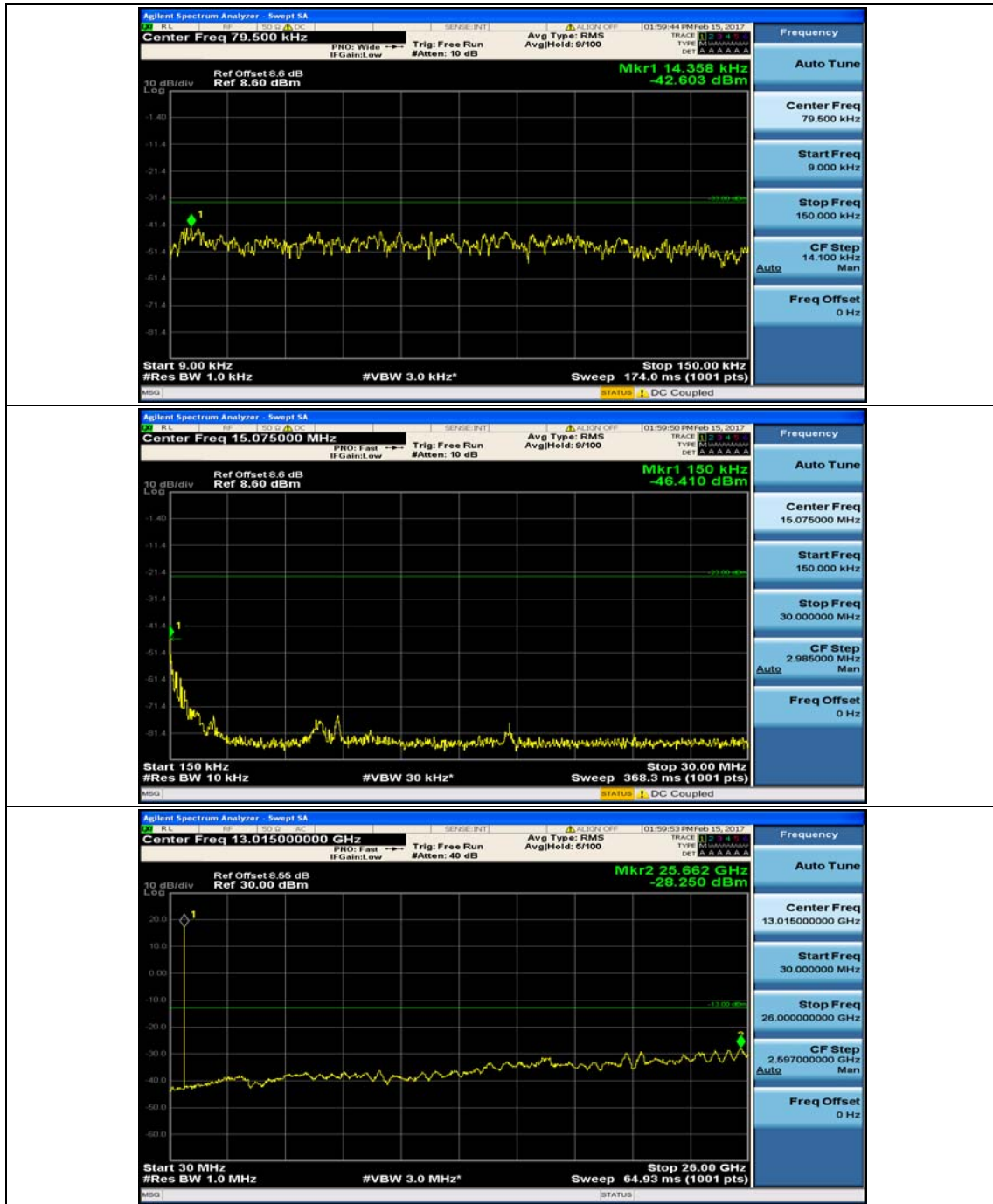


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

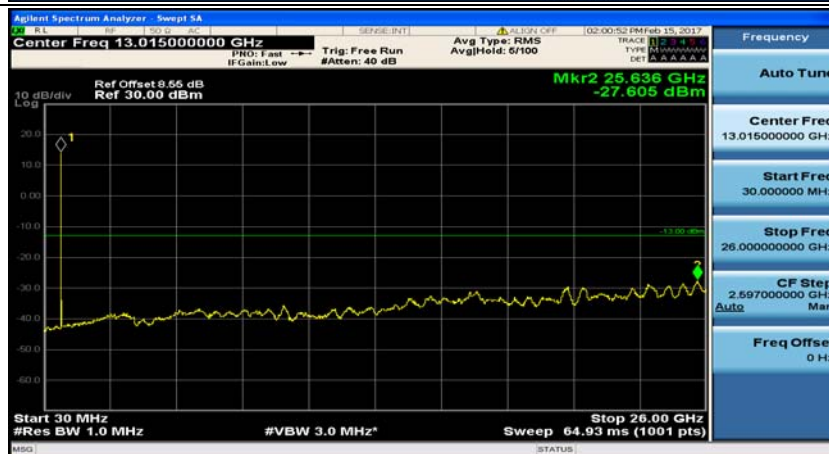
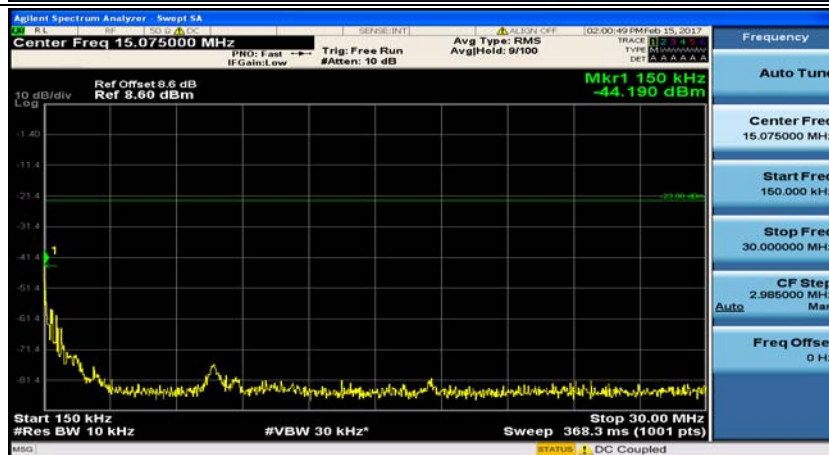
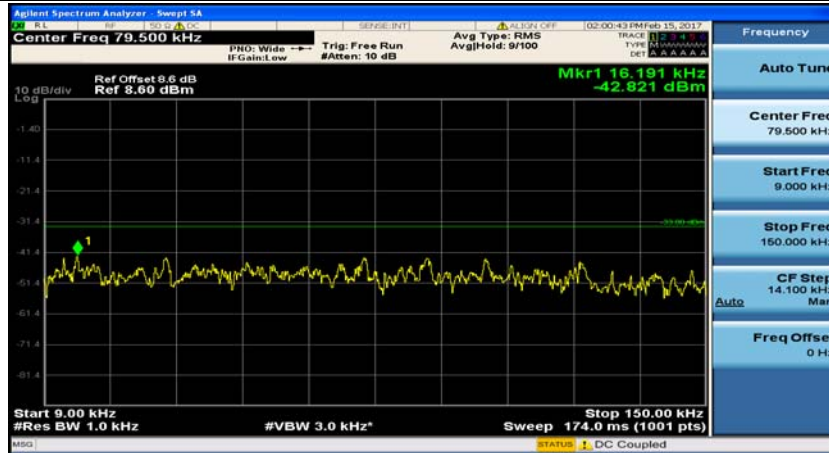


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

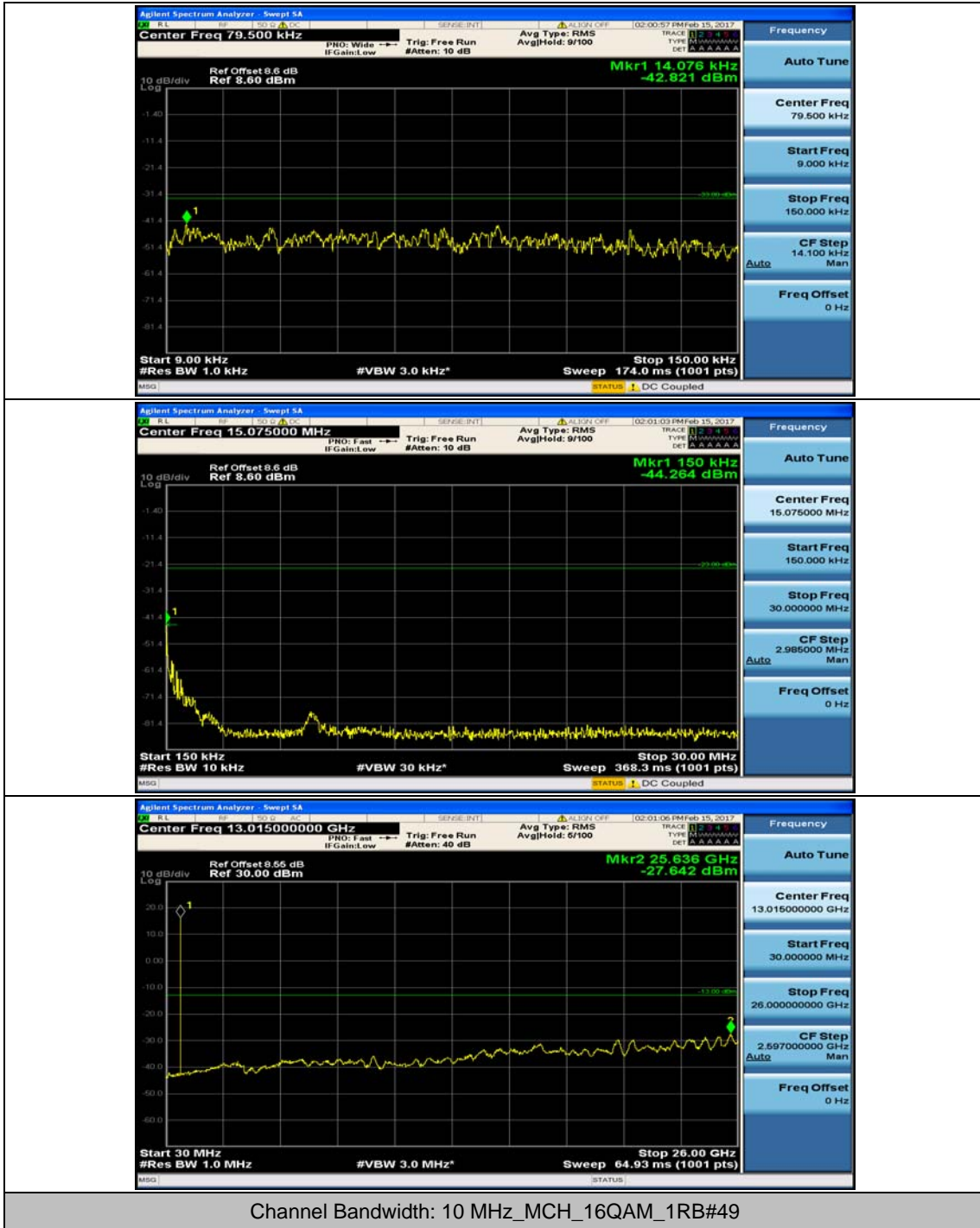


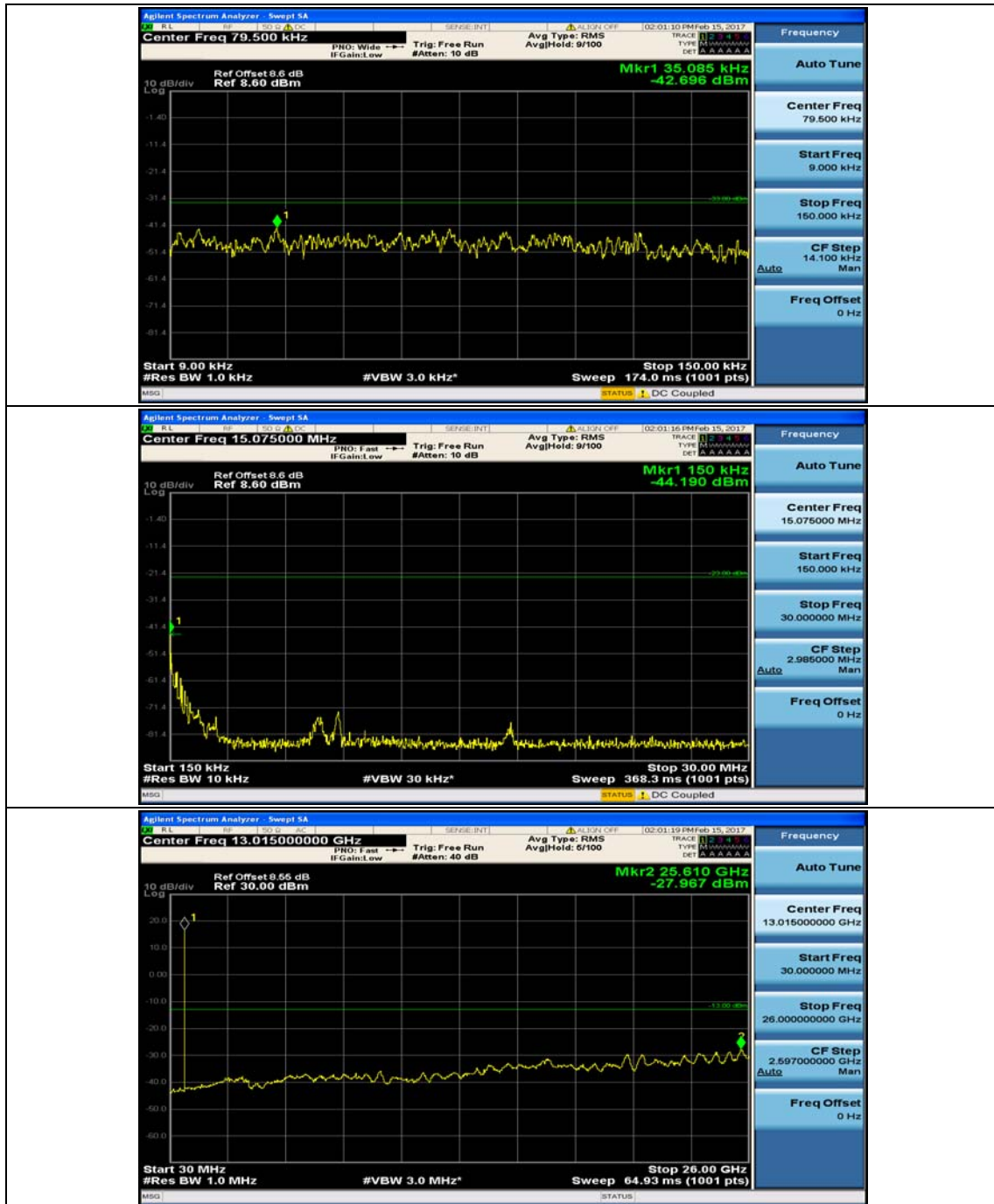


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

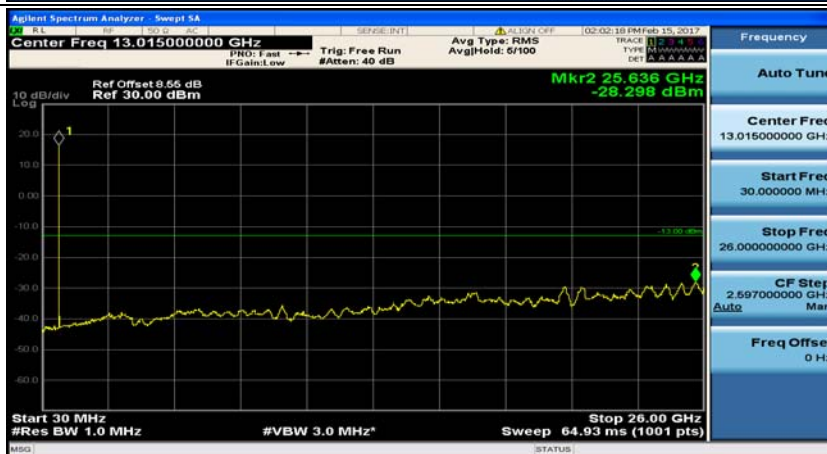
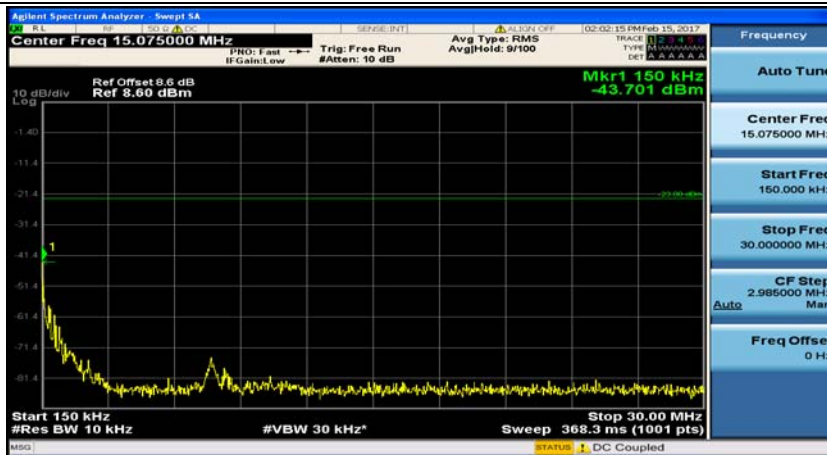
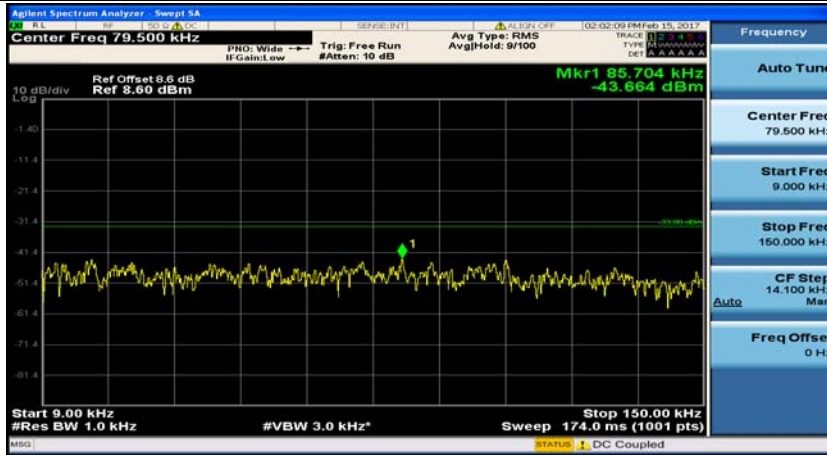


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

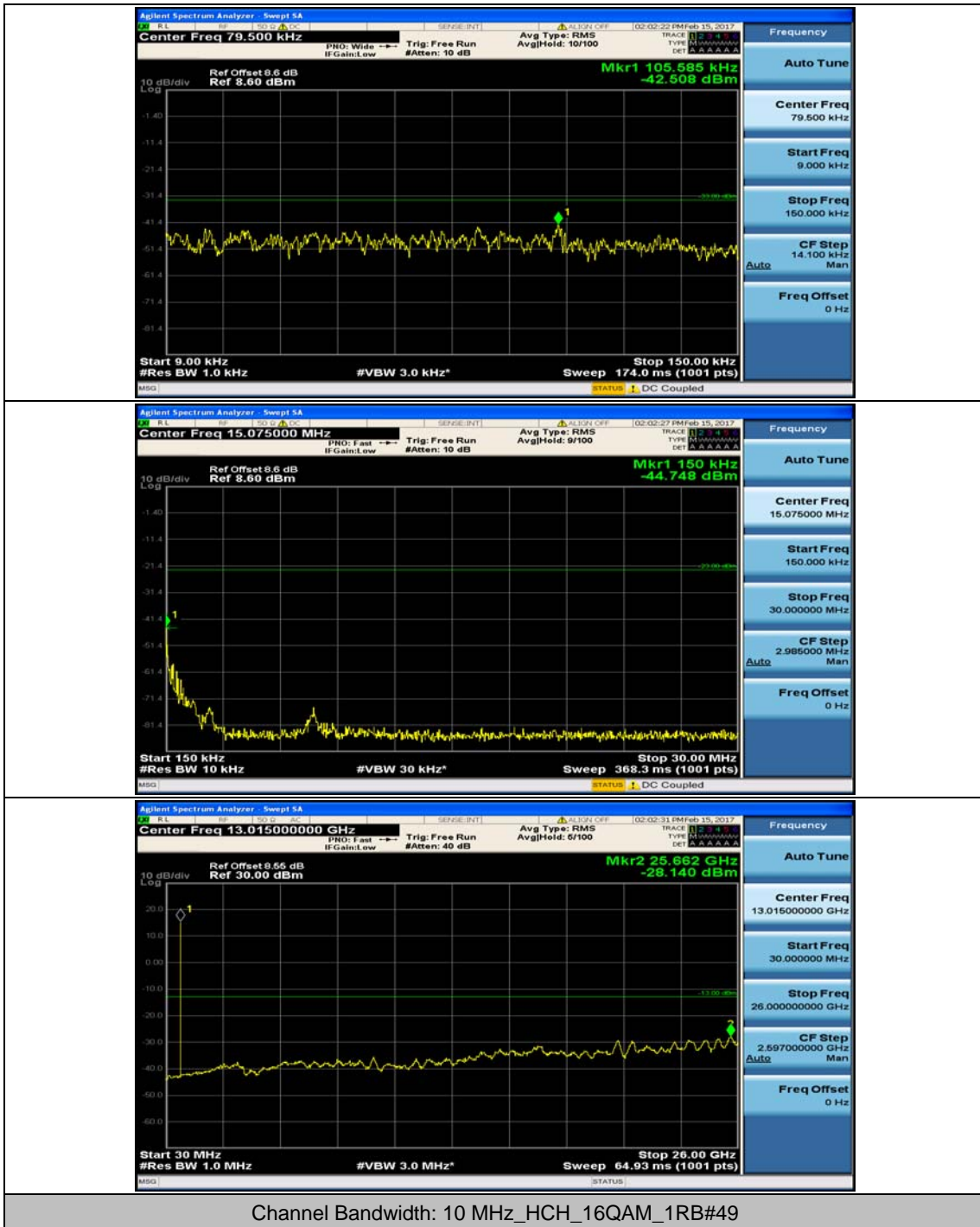


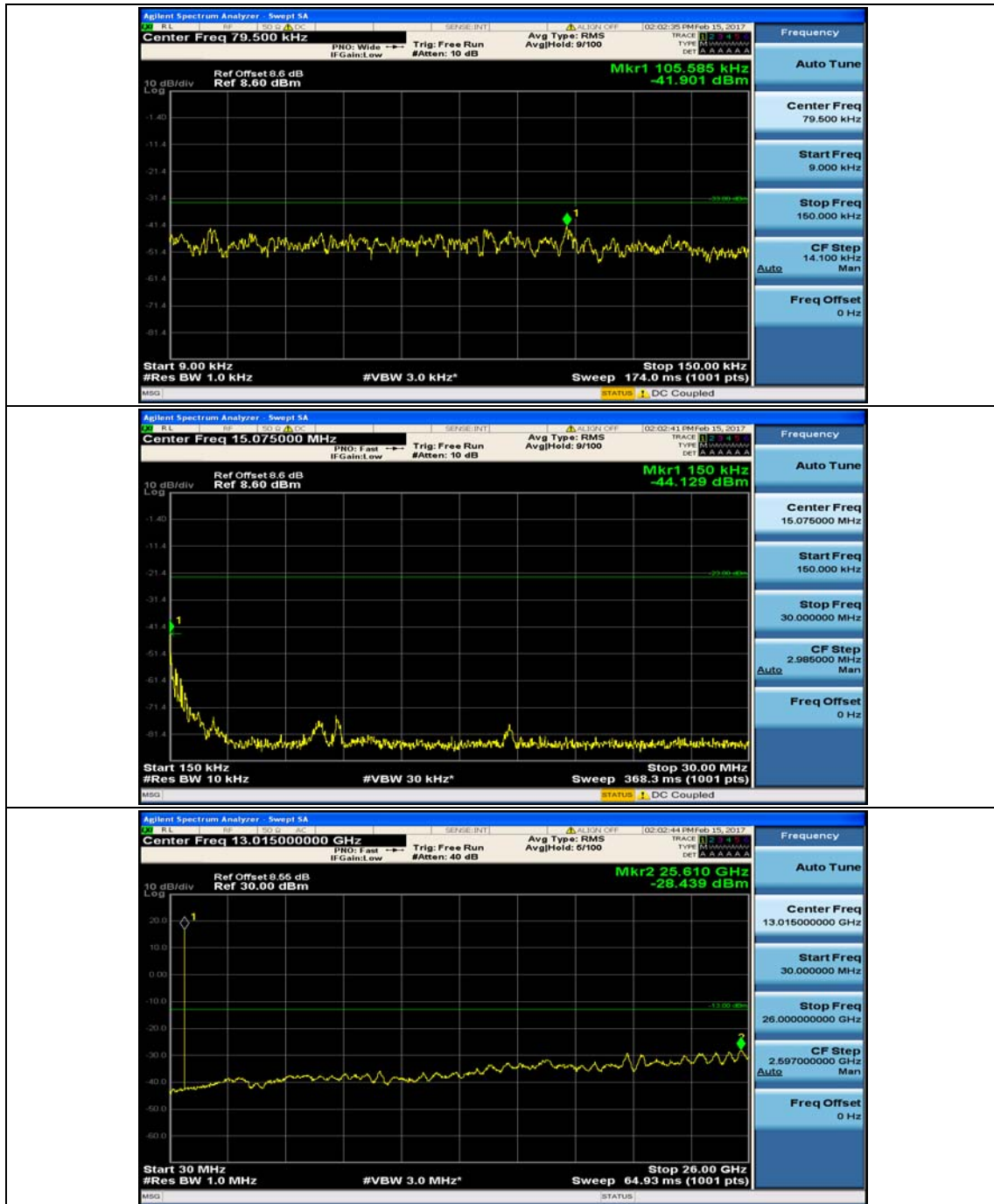


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	0.71	0.001005	± 2.5	PASS
		VN	TN	0.28	0.000396	± 2.5	PASS
		VH	TN	0.2	0.000283	± 2.5	PASS
	MCH	VL	TN	-1.1	-0.001549	± 2.5	PASS
		VN	TN	2.54	0.003577	± 2.5	PASS
		VH	TN	-0.12	-0.000169	± 2.5	PASS
	HCH	VL	TN	-0.65	-0.000911	± 2.5	PASS
		VN	TN	1.59	0.002228	± 2.5	PASS
		VH	TN	1.5	0.002102	± 2.5	PASS
16QAM	LCH	VL	TN	2.42	0.003425	± 2.5	PASS
		VN	TN	2.4	0.003397	± 2.5	PASS
		VH	TN	1.26	0.001783	± 2.5	PASS
	MCH	VL	TN	4.37	0.006155	± 2.5	PASS
		VN	TN	-0.87	-0.001225	± 2.5	PASS
		VH	TN	0.63	0.000887	± 2.5	PASS
	HCH	VL	TN	-0.91	-0.001275	± 2.5	PASS
		VN	TN	0.68	0.000953	± 2.5	PASS
		VH	TN	-0.65	-0.000911	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.58	0.000821	± 2.5	PASS
		VN	-20	-0.48	-0.000679	± 2.5	PASS
		VN	-10	2.66	0.003765	± 2.5	PASS
		VN	0	0.14	0.000198	± 2.5	PASS
		VN	10	4.57	0.006469	± 2.5	PASS
		VN	20	-0.9	-0.001274	± 2.5	PASS
		VN	30	0.15	0.000212	± 2.5	PASS
		VN	40	4.24	0.006001	± 2.5	PASS
		VN	50	0.78	0.001104	± 2.5	PASS
	MCH	VN	-30	-1.7	-0.002394	± 2.5	PASS
		VN	-20	0.25	0.000352	± 2.5	PASS
		VN	-10	3.45	0.004859	± 2.5	PASS

	VN	0	4.15	0.005845	± 2.5	PASS			
		10	2.74	0.003859	± 2.5	PASS			
		20	2.67	0.003761	± 2.5	PASS			
		30	2.56	0.003606	± 2.5	PASS			
		40	-0.82	-0.001155	± 2.5	PASS			
		50	2.75	0.003873	± 2.5	PASS			
	HCH	VN	-30	4.01	0.005620	± 2.5	PASS		
		VN	-20	-0.36	-0.000505	± 2.5	PASS		
		VN	-10	0.38	0.000533	± 2.5	PASS		
		VN	0	2.44	0.003420	± 2.5	PASS		
		VN	10	-0.98	-0.001374	± 2.5	PASS		
		VN	20	3.99	0.005592	± 2.5	PASS		
		VN	30	0.25	0.000350	± 2.5	PASS		
		VN	40	3.86	0.005410	± 2.5	PASS		
		VN	50	2.58	0.003616	± 2.5	PASS		
		16QAM	LCH	VN	-30	1.24	0.001755	± 2.5	PASS
				VN	-20	0.03	0.000042	± 2.5	PASS
				VN	-10	0.86	0.001217	± 2.5	PASS
VN	0			2.25	0.003185	± 2.5	PASS		
VN	10			1.03	0.001458	± 2.5	PASS		
VN	20			0.31	0.000439	± 2.5	PASS		
VN	30			0.64	0.000906	± 2.5	PASS		
VN	40			0.24	0.000340	± 2.5	PASS		
VN	50			-0.39	-0.000552	± 2.5	PASS		
MCH	VN		-30	3.57	0.005004	± 2.5	PASS		
	VN		-20	-0.95	-0.001331	± 2.5	PASS		
	VN		-10	3.66	0.005130	± 2.5	PASS		
	VN		0	2.59	0.003630	± 2.5	PASS		
	VN		10	4.33	0.006069	± 2.5	PASS		
	VN		20	0.77	0.001079	± 2.5	PASS		
	VN		30	3.41	0.004779	± 2.5	PASS		
	VN		40	0.91	0.001275	± 2.5	PASS		
	VN		50	1.12	0.001570	± 2.5	PASS		
HCH	VN		-30	-0.09	-0.000126	± 2.5	PASS		
	VN		-20	-1.99	-0.002789	± 2.5	PASS		
	VN		-10	1.23	0.001724	± 2.5	PASS		
	VN		0	0.86	0.001205	± 2.5	PASS		
	VN		10	3.59	0.005032	± 2.5	PASS		
	VN		20	3.45	0.004835	± 2.5	PASS		
	VN		30	-0.17	-0.000238	± 2.5	PASS		
	VN		40	-0.43	-0.000603	± 2.5	PASS		

		VN	50	-1.22	-0.001710	± 2.5	PASS
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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	3.96	0.005585	± 2.5	PASS
		VN	TN	-1.2	-0.001693	± 2.5	PASS
		VH	TN	4.55	0.006417	± 2.5	PASS
	MCH	VL	TN	0.14	0.000197	± 2.5	PASS
		VN	TN	0.25	0.000352	± 2.5	PASS
		VH	TN	4.1	0.005775	± 2.5	PASS
	HCH	VL	TN	-1.39	-0.001955	± 2.5	PASS
		VN	TN	0.23	0.000323	± 2.5	PASS
		VH	TN	-0.85	-0.001195	± 2.5	PASS
16QAM	LCH	VL	TN	-1.63	-0.002299	± 2.5	PASS
		VN	TN	3.32	0.004683	± 2.5	PASS
		VH	TN	-0.07	-0.000099	± 2.5	PASS
	MCH	VL	TN	0.56	0.000789	± 2.5	PASS
		VN	TN	1.12	0.001577	± 2.5	PASS
		VH	TN	2.97	0.004183	± 2.5	PASS
	HCH	VL	TN	0.97	0.001364	± 2.5	PASS
		VN	TN	2.77	0.003896	± 2.5	PASS
		VH	TN	2.01	0.002827	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	1.87	0.002638	± 2.5	PASS
		VN	-20	2.99	0.004217	± 2.5	PASS
		VN	-10	0.12	0.000169	± 2.5	PASS
		VN	0	4.13	0.005825	± 2.5	PASS
		VN	10	3.52	0.004965	± 2.5	PASS
		VN	20	3.62	0.005106	± 2.5	PASS
		VN	30	-1.5	-0.002116	± 2.5	PASS
		VN	40	-1.42	-0.002003	± 2.5	PASS
		VN	50	-0.45	-0.000635	± 2.5	PASS
	MCH	VN	-30	-1.79	-0.002521	± 2.5	PASS
		VN	-20	4.75	0.006690	± 2.5	PASS
		VN	-10	-0.12	-0.000169	± 2.5	PASS
		VN	0	4.71	0.006634	± 2.5	PASS

		VN	10	0.2	0.000282	± 2.5	PASS
		VN	20	-1.67	-0.002352	± 2.5	PASS
		VN	30	-0.18	-0.000254	± 2.5	PASS
		VN	40	1.23	0.001732	± 2.5	PASS
		VN	50	-0.55	-0.000775	± 2.5	PASS
	HCH	VN	-30	2.81	0.003952	± 2.5	PASS
		VN	-20	0.47	0.000661	± 2.5	PASS
		VN	-10	0.64	0.000900	± 2.5	PASS
		VN	0	0.42	0.000591	± 2.5	PASS
		VN	10	0.1	0.000141	± 2.5	PASS
		VN	20	2.61	0.003671	± 2.5	PASS
		VN	30	1.67	0.002349	± 2.5	PASS
		VN	40	1.65	0.002321	± 2.5	PASS
		VN	50	1.68	0.002363	± 2.5	PASS
		QPSK	LCH	VN	-30	-1.11	-0.001563
VN	-20			0.27	0.000380	± 2.5	PASS
VN	-10			-1.48	-0.002085	± 2.5	PASS
VN	0			3.46	0.004873	± 2.5	PASS
VN	10			3.96	0.005577	± 2.5	PASS
VN	20			0.85	0.001197	± 2.5	PASS
VN	30			1.4	0.001972	± 2.5	PASS
VN	40			0.16	0.000225	± 2.5	PASS
VN	50			4.02	0.005662	± 2.5	PASS
MCH	VN		-30	-1.13	-0.001589	± 2.5	PASS
	VN		-20	1.16	0.001632	± 2.5	PASS
	VN		-10	4.99	0.007018	± 2.5	PASS
	VN		0	0.34	0.000478	± 2.5	PASS
	VN		10	2.89	0.004065	± 2.5	PASS
	VN		20	-0.18	-0.000253	± 2.5	PASS
	VN		30	-1.16	-0.001632	± 2.5	PASS
	VN		40	4.71	0.006624	± 2.5	PASS
	VN		50	1.84	0.002588	± 2.5	PASS
HCH	VN		-30	4.69	0.006596	± 2.5	PASS
	VN		-20	-0.35	-0.000492	± 2.5	PASS
	VN		-10	4.73	0.006653	± 2.5	PASS
	VN		0	-0.28	-0.000394	± 2.5	PASS
	VN		10	2.06	0.002897	± 2.5	PASS
	VN		20	1.61	0.002264	± 2.5	PASS
	VN		30	-1.74	-0.002447	± 2.5	PASS
	VN		40	3.24	0.004557	± 2.5	PASS
	VN		50	0.09	0.000127	± 2.5	PASS