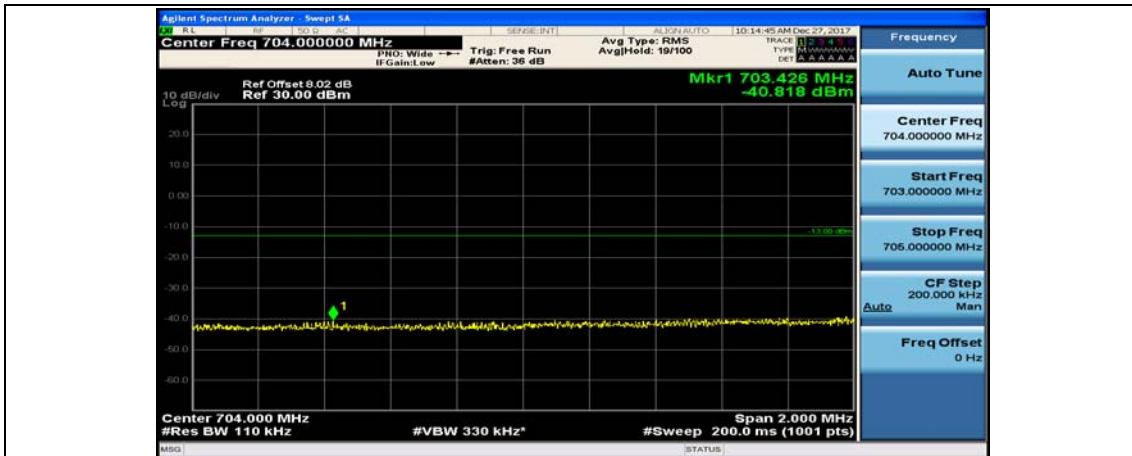
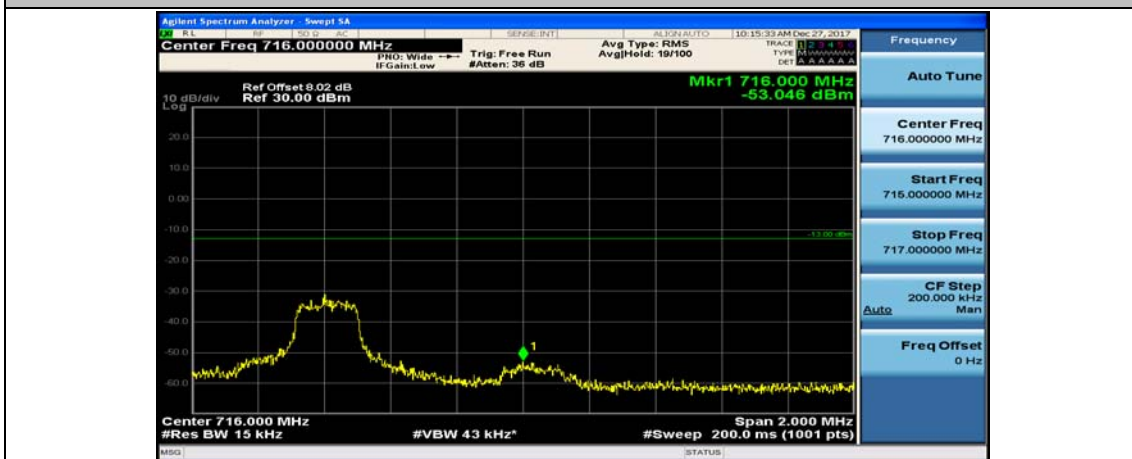




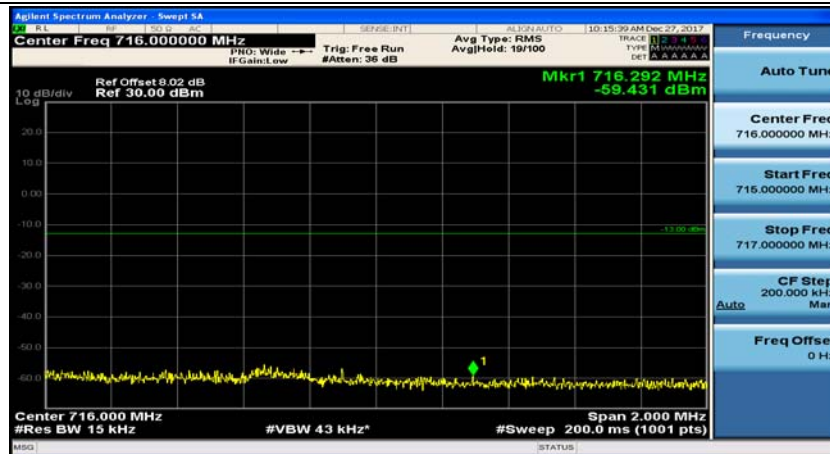
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



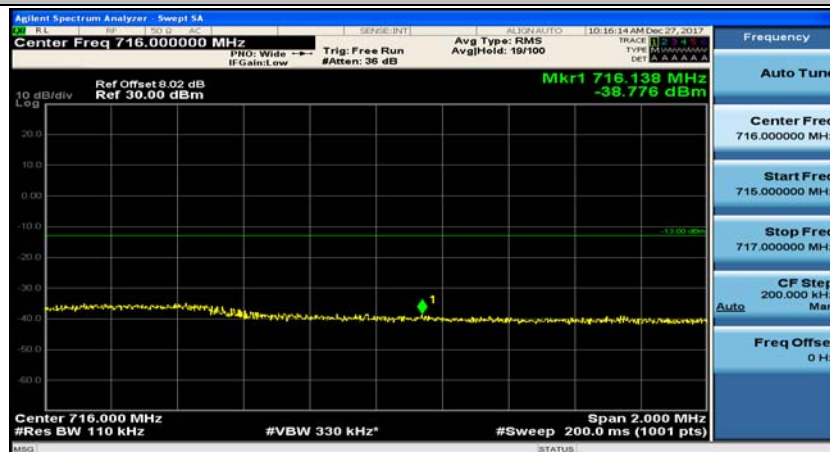
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



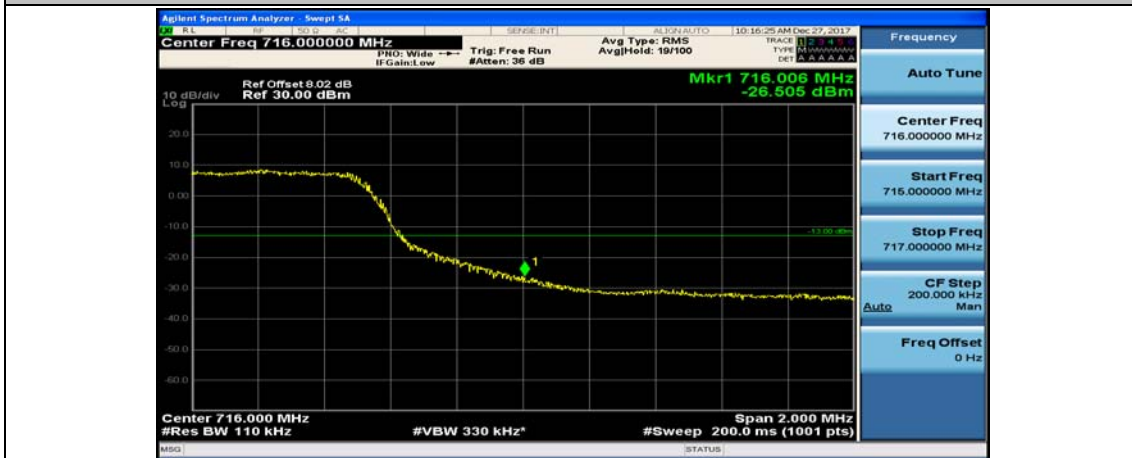
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



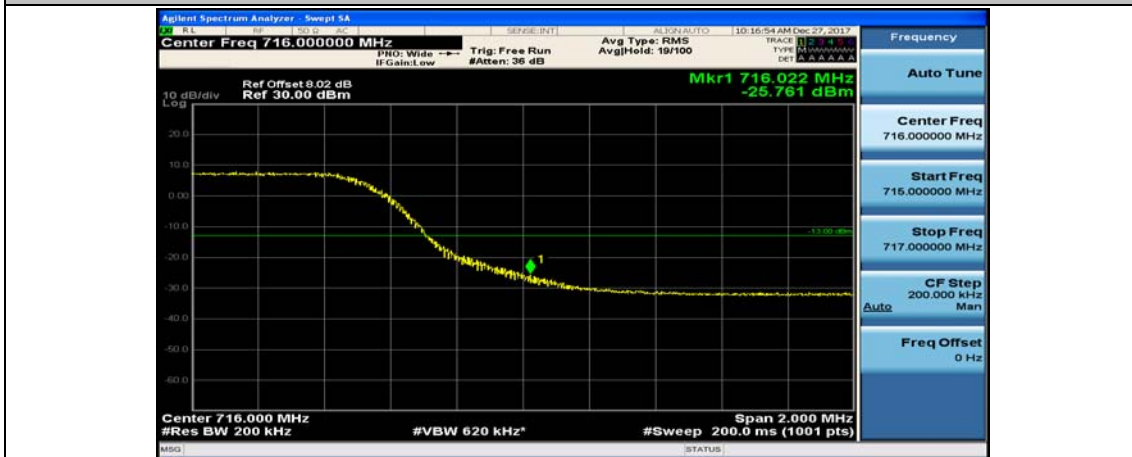
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Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



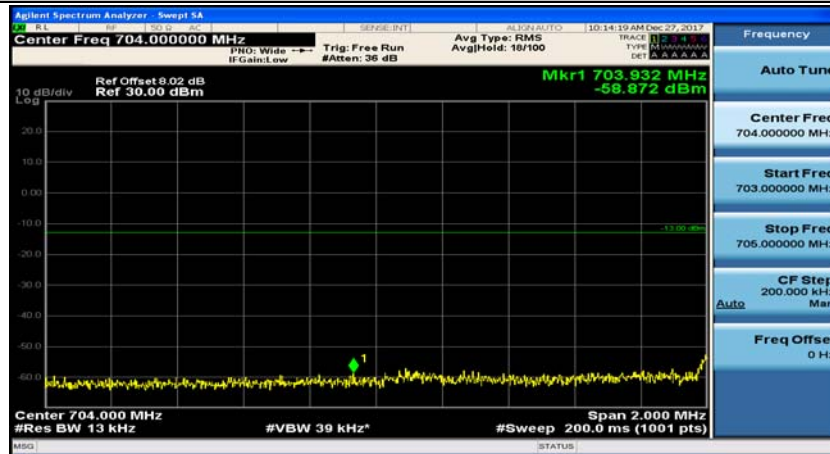
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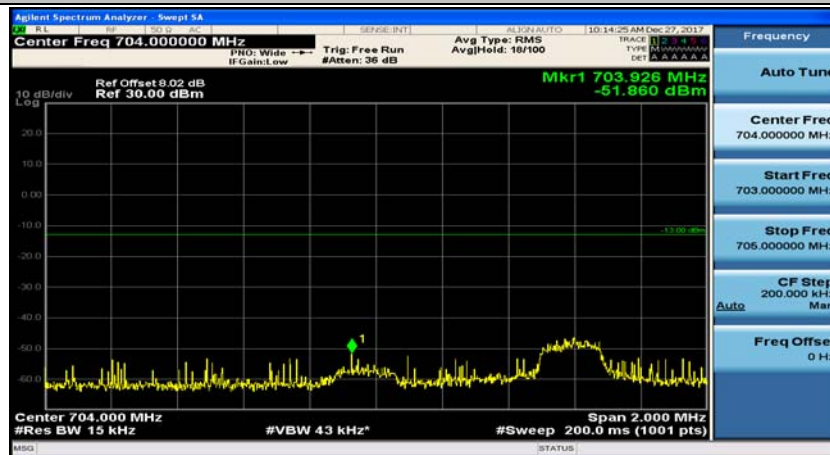
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



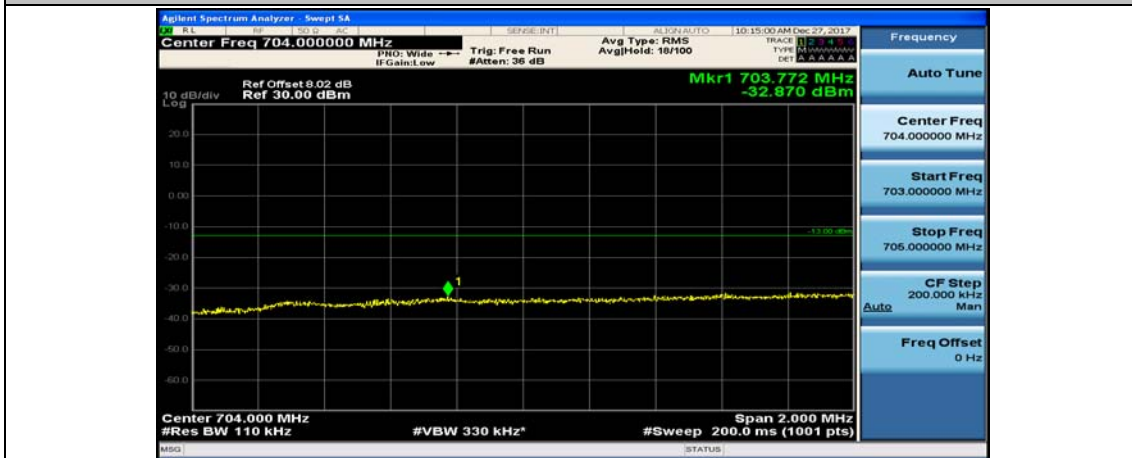
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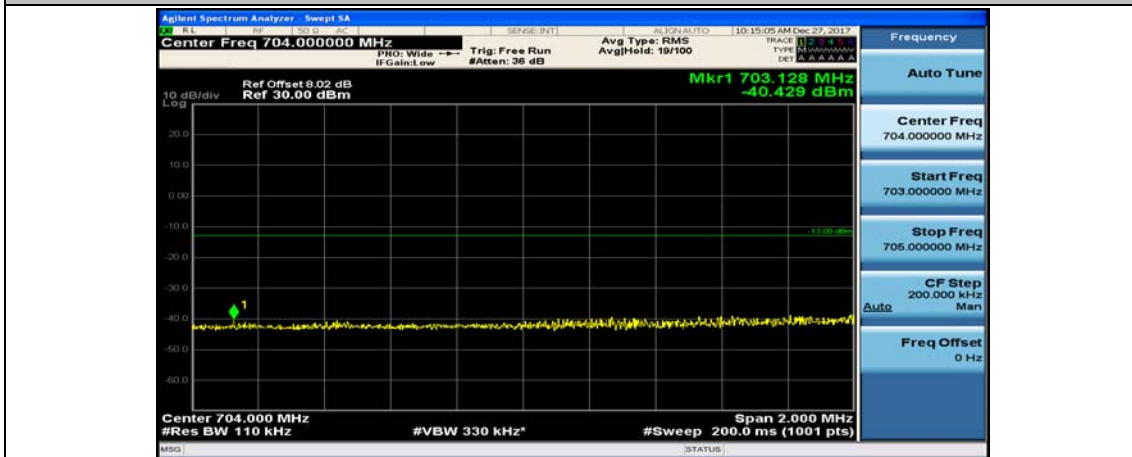
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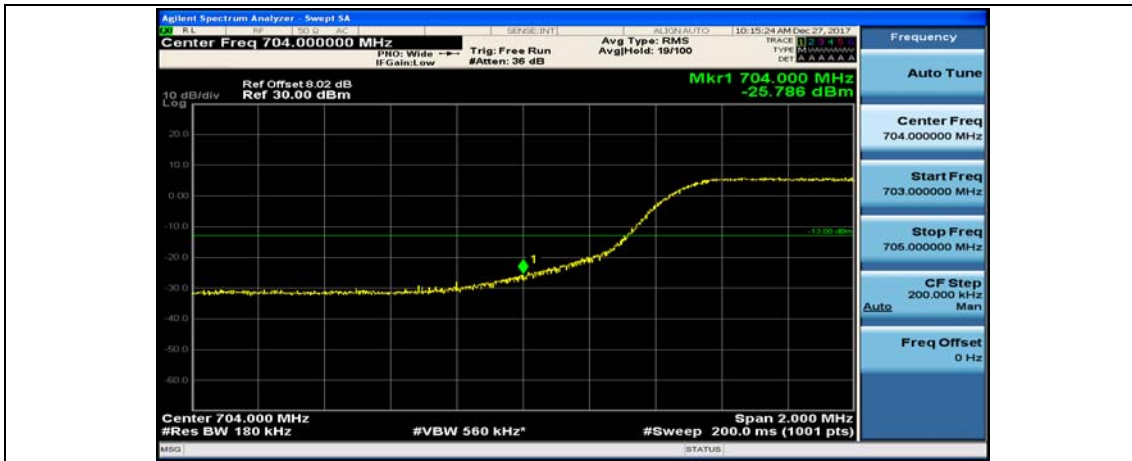
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



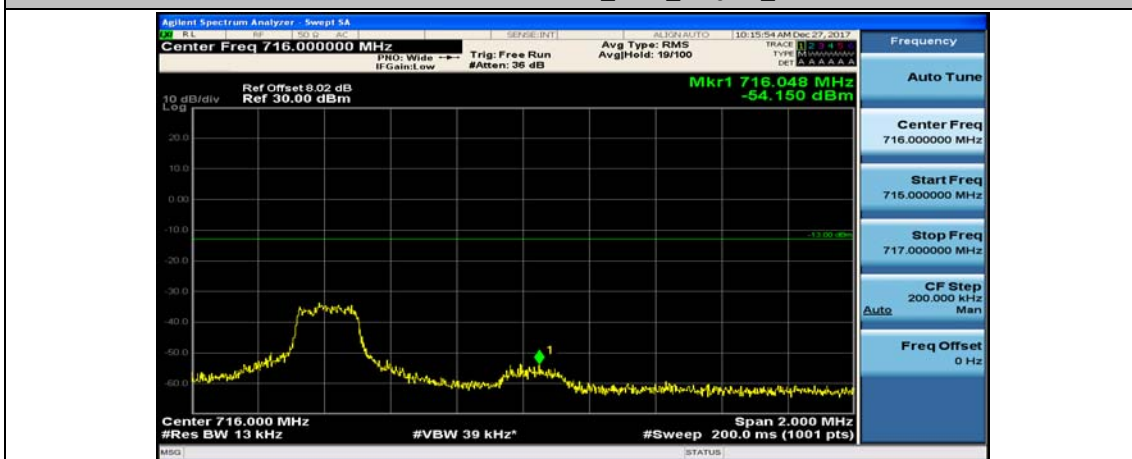
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



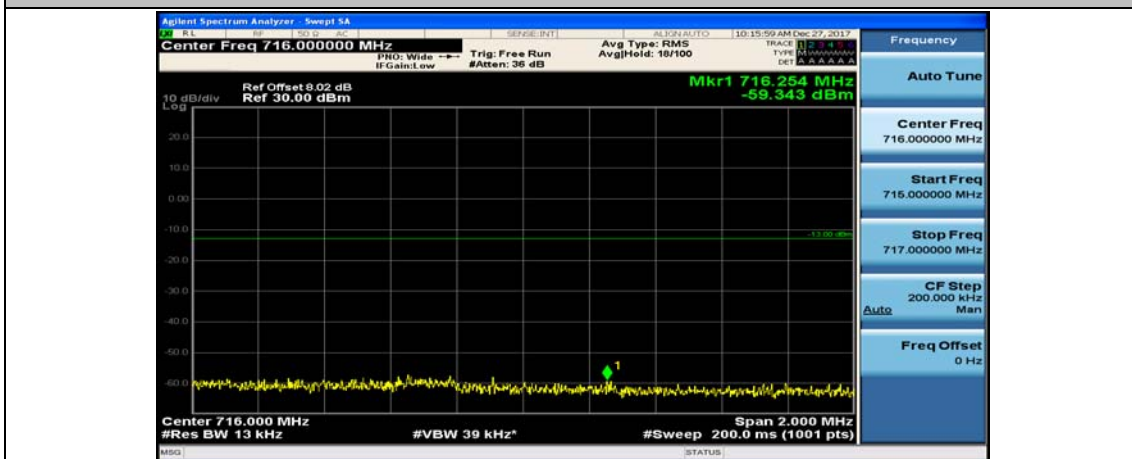
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



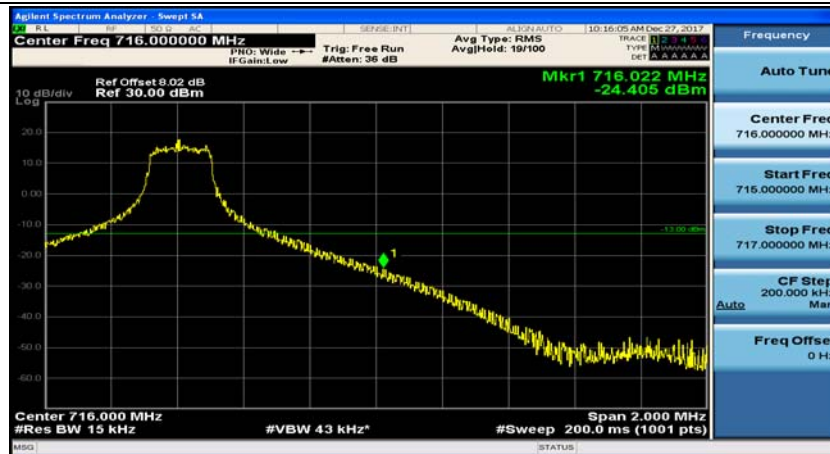
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



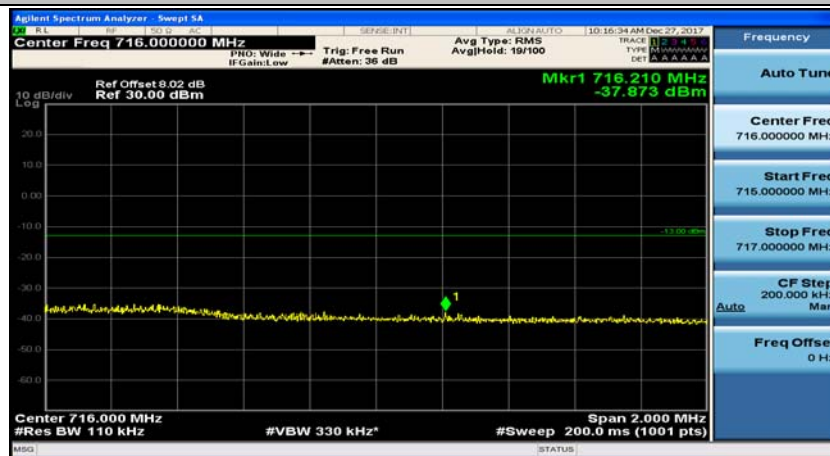
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



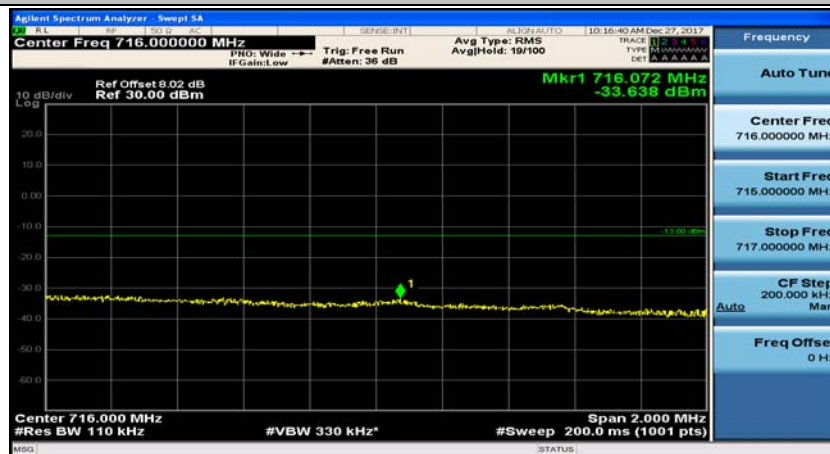
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



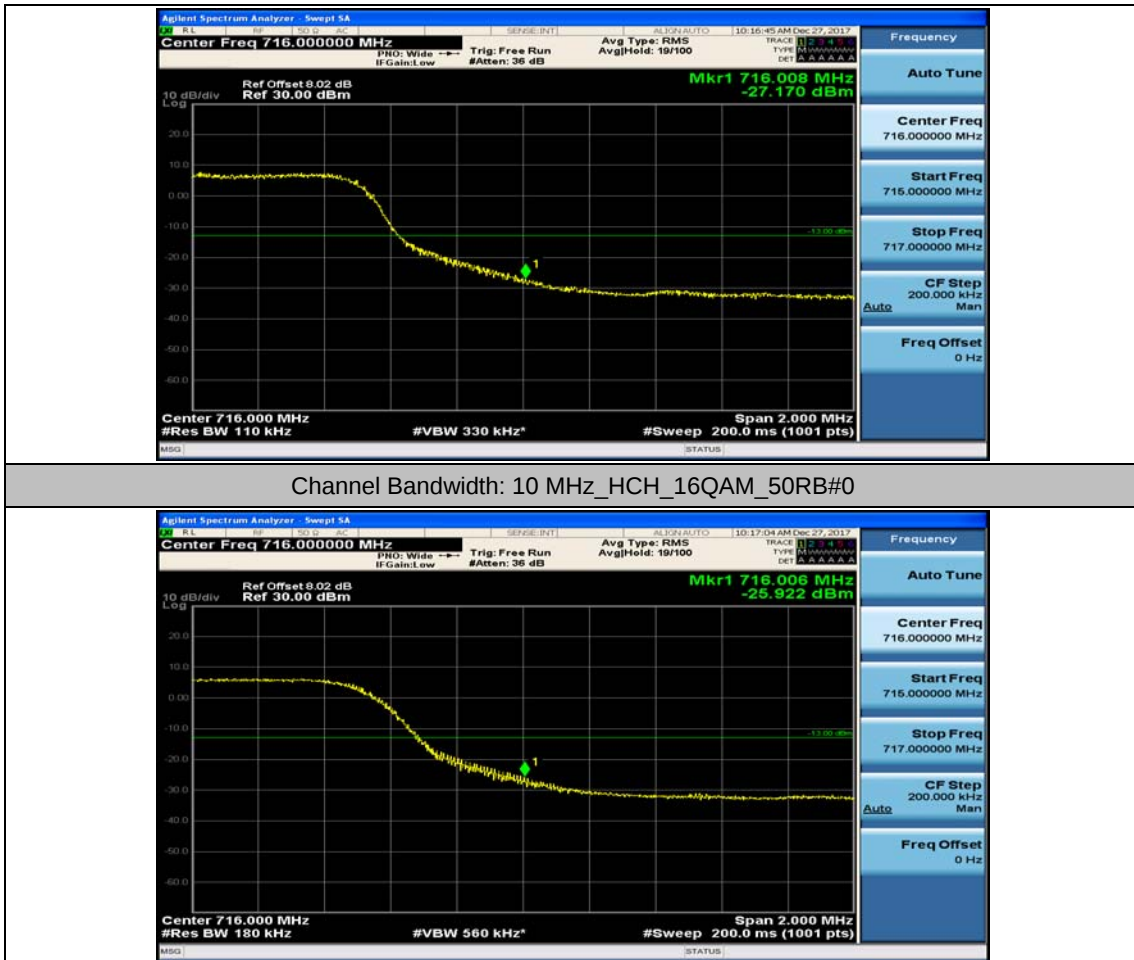
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

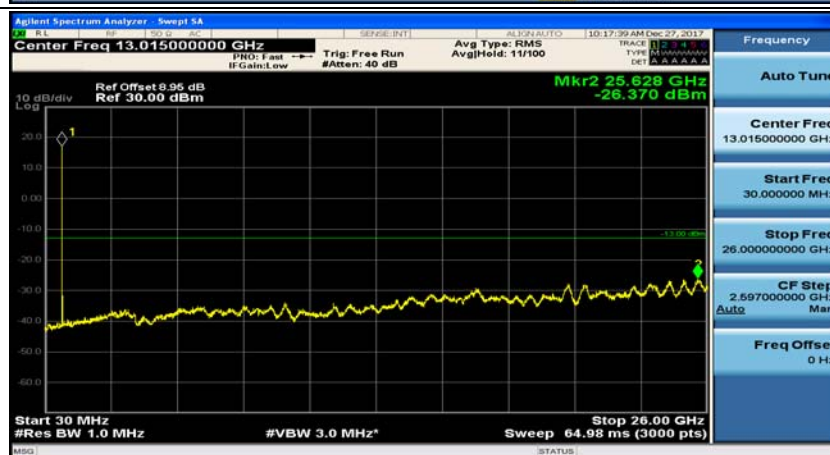
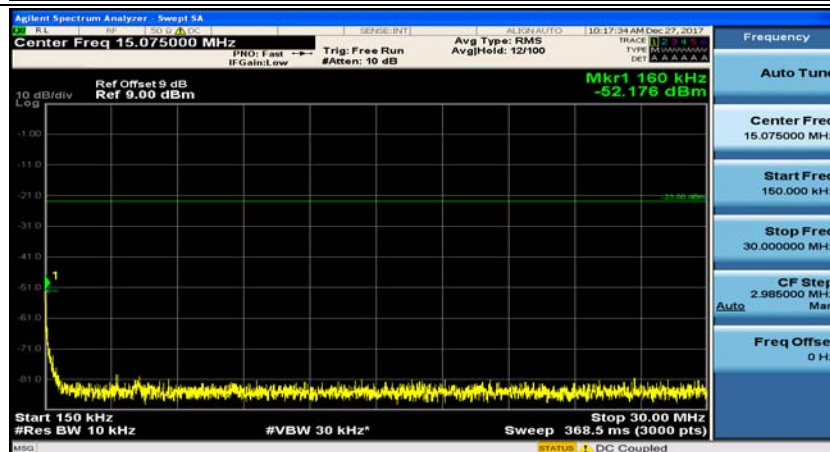
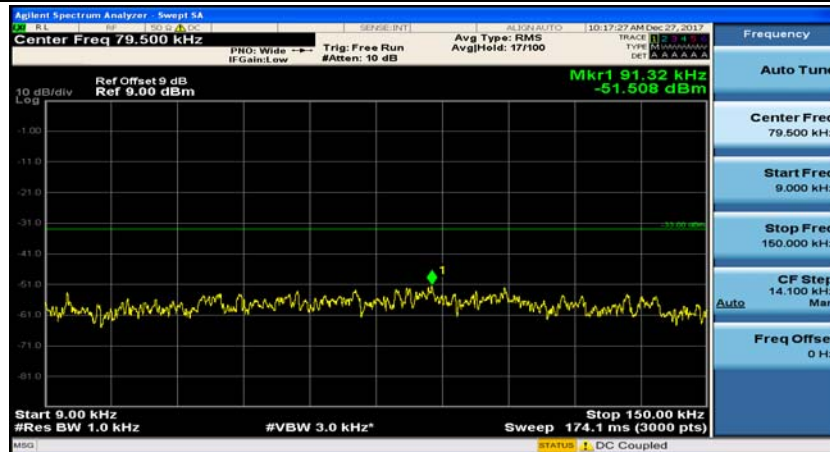


Appendix E: Conducted Spurious Emission

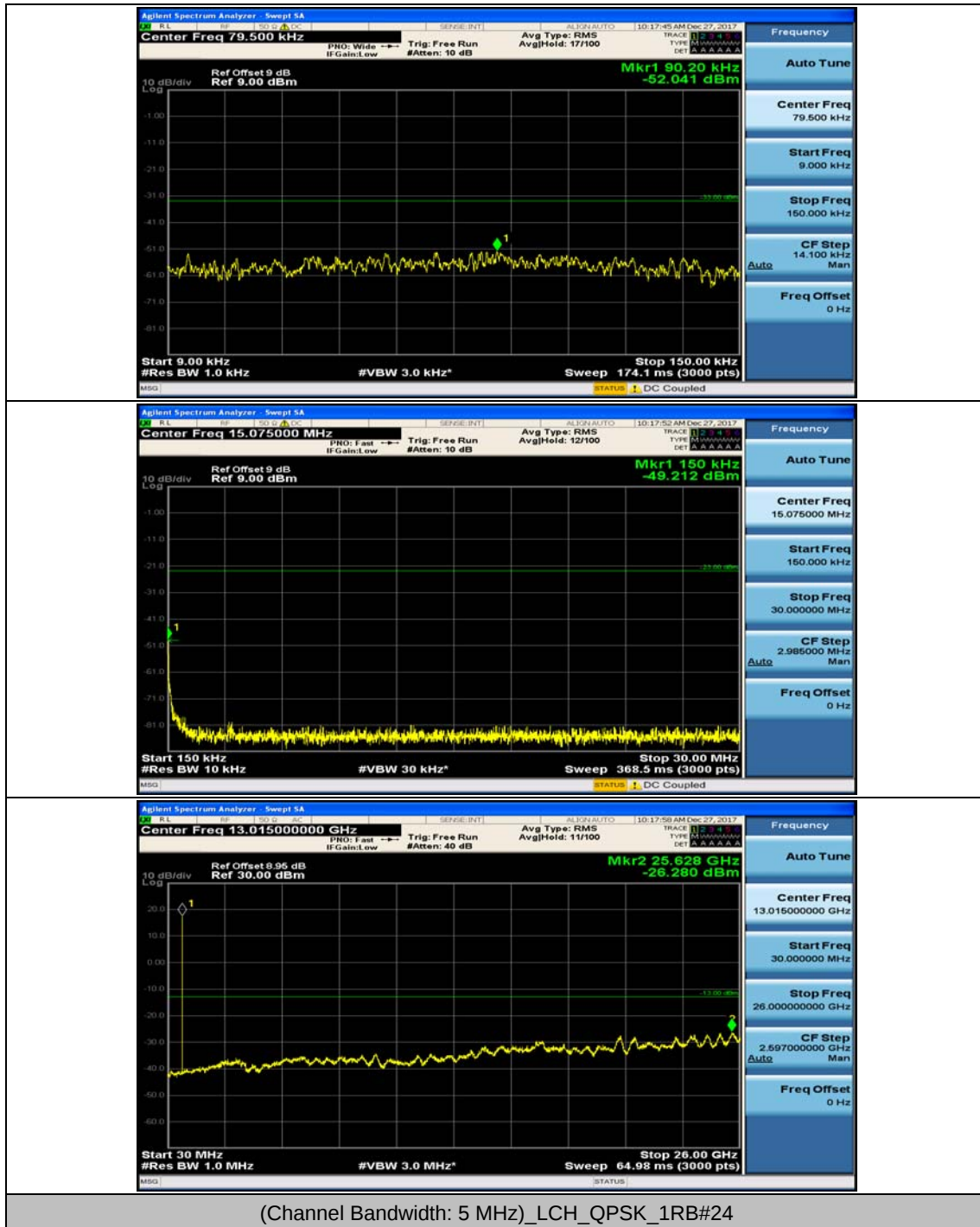
Test Graphs

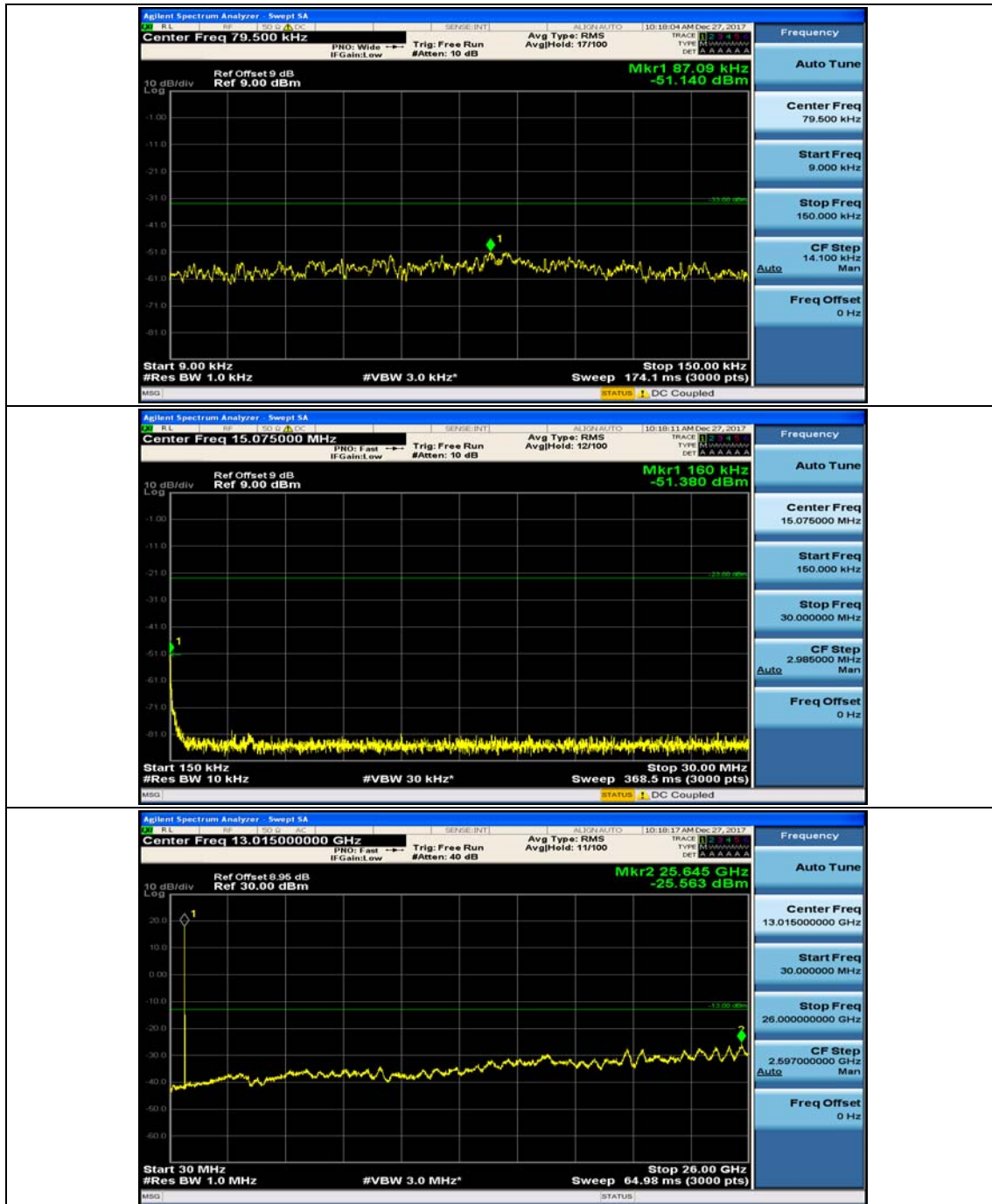
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

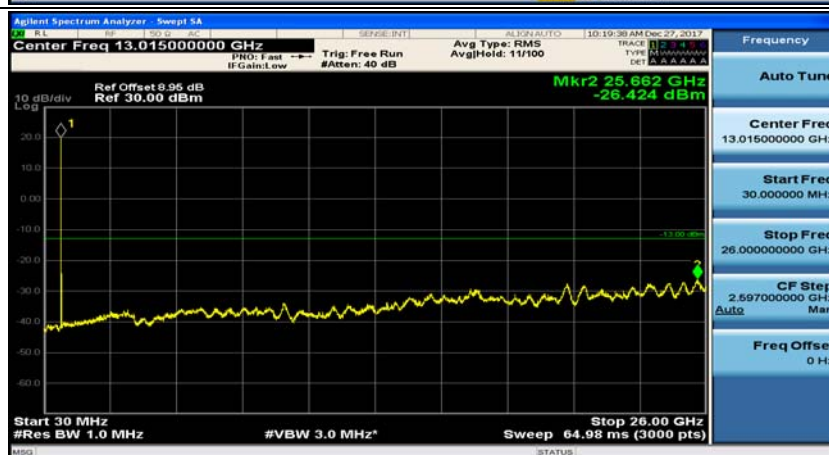
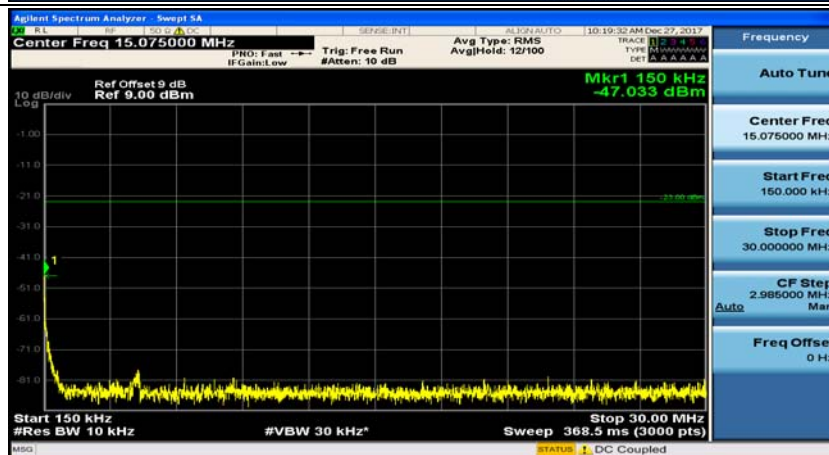
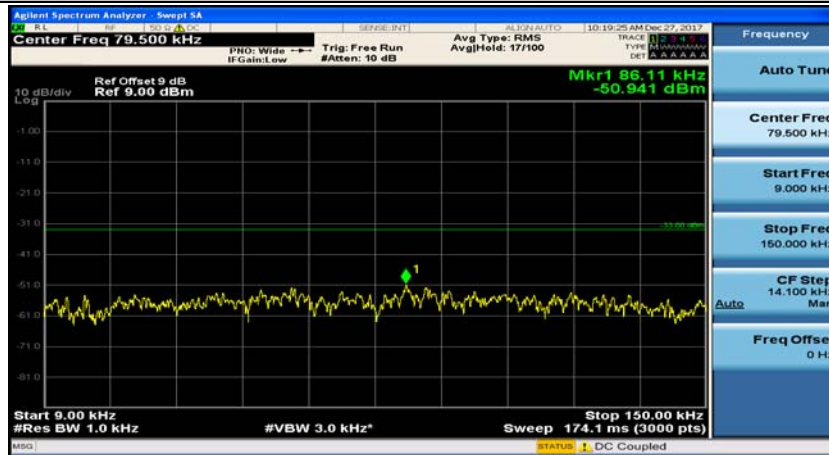


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

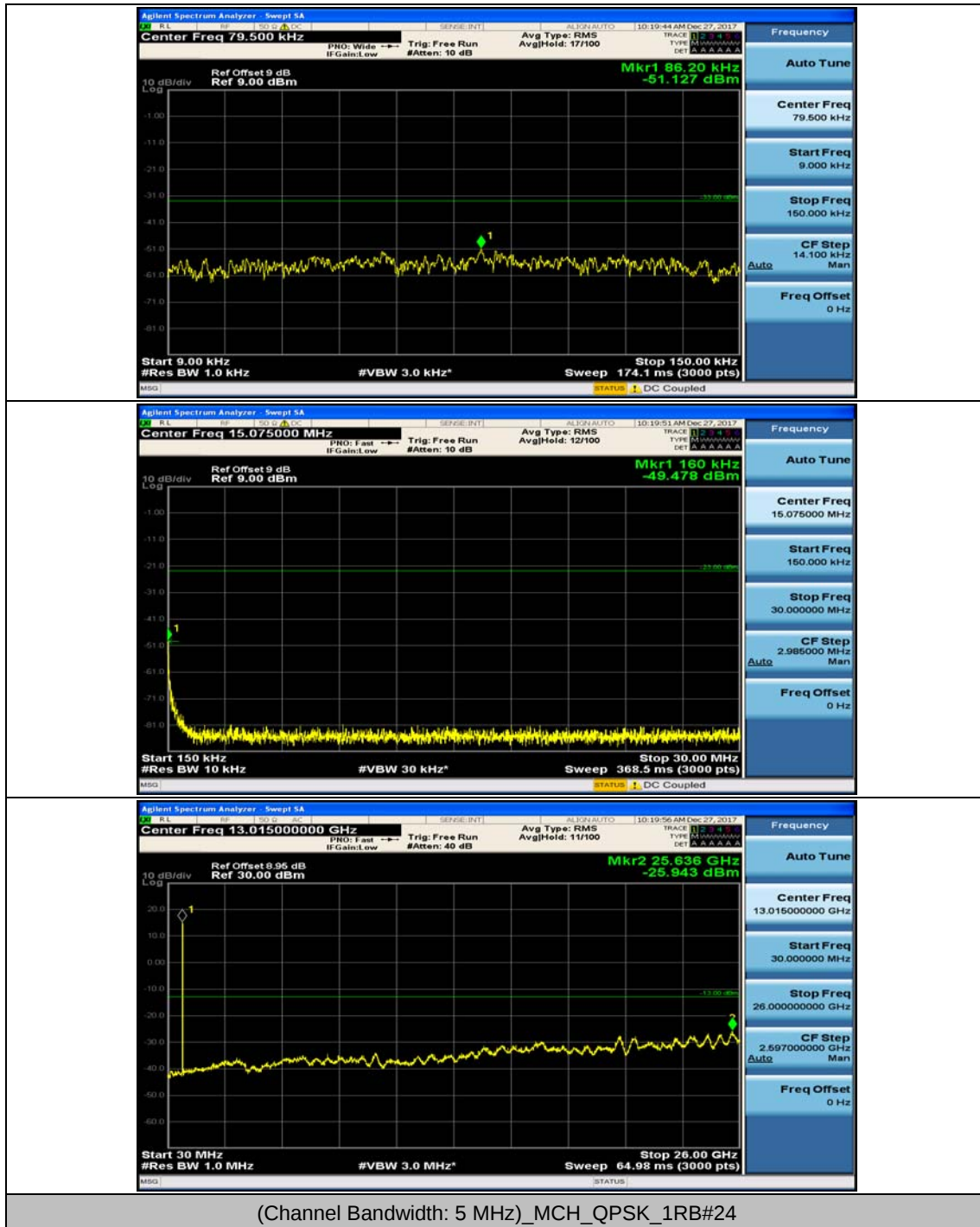


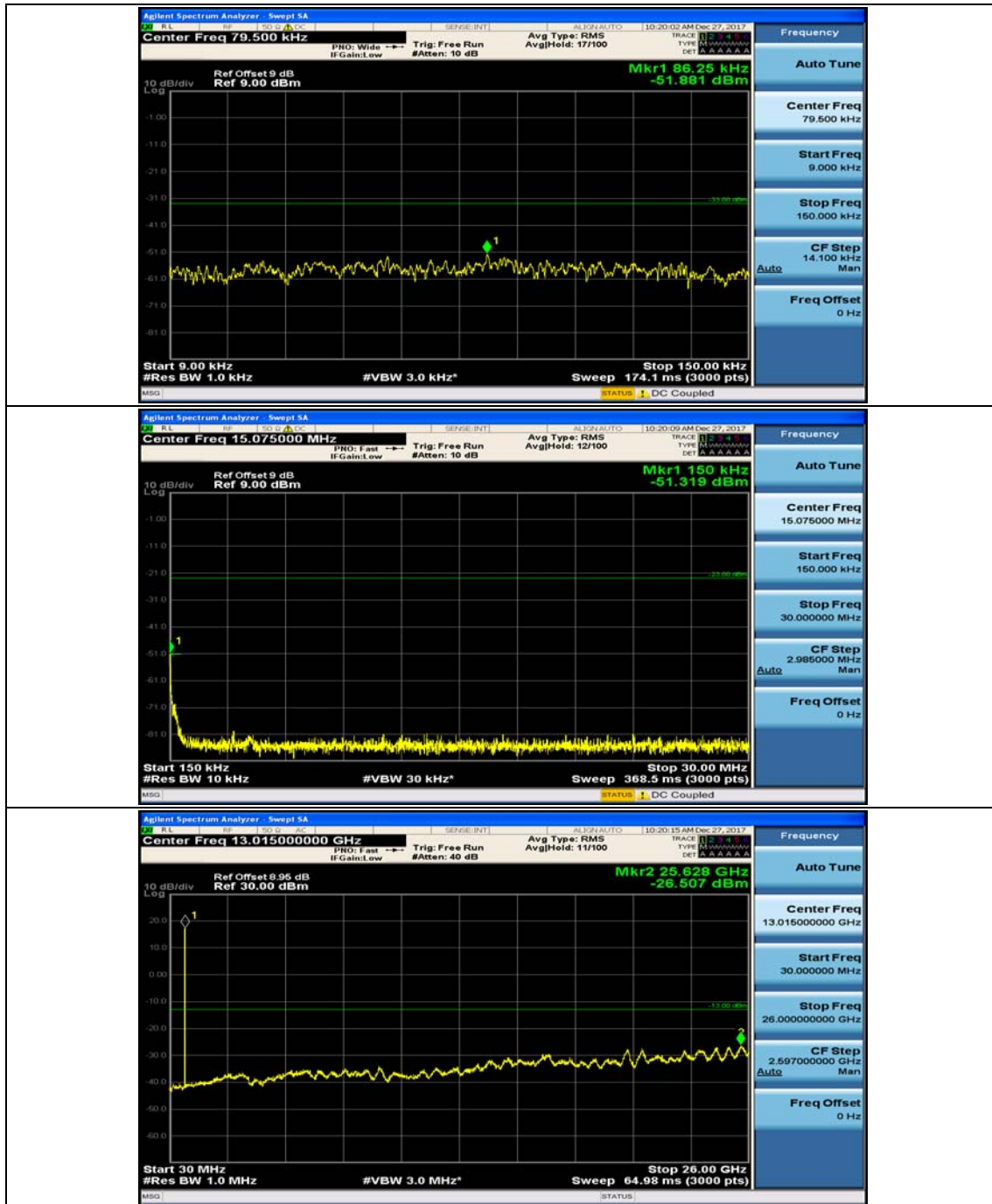


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

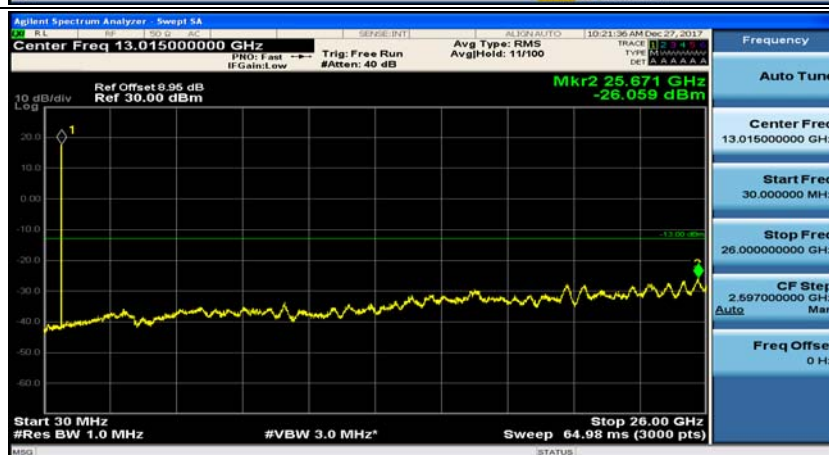
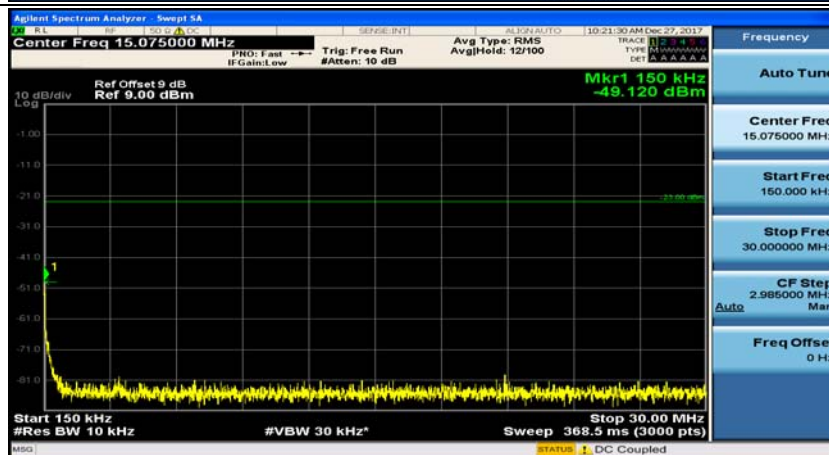
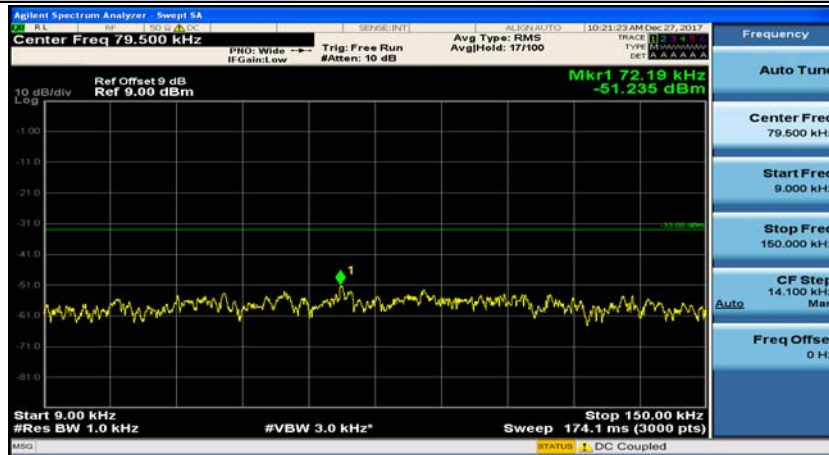


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

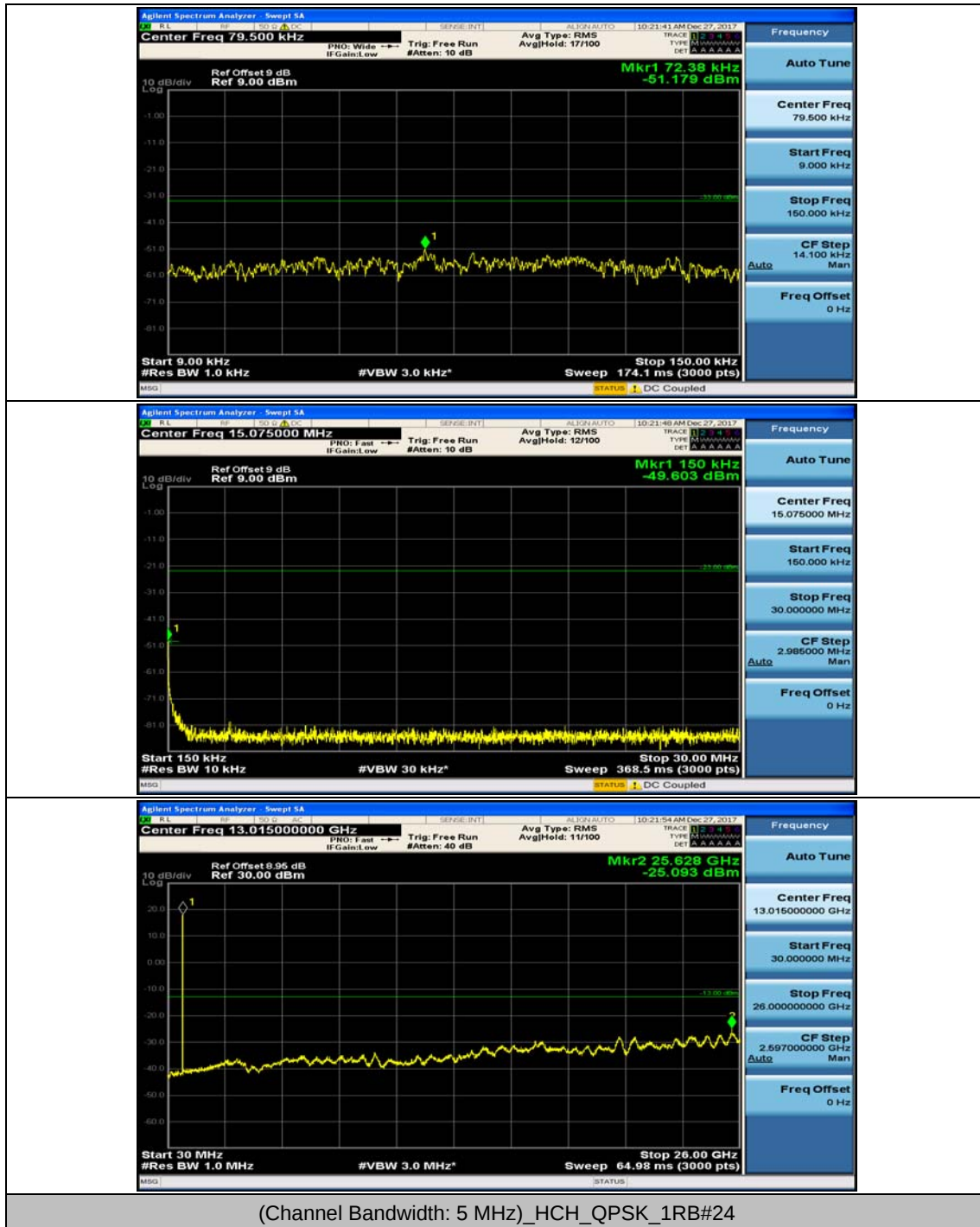


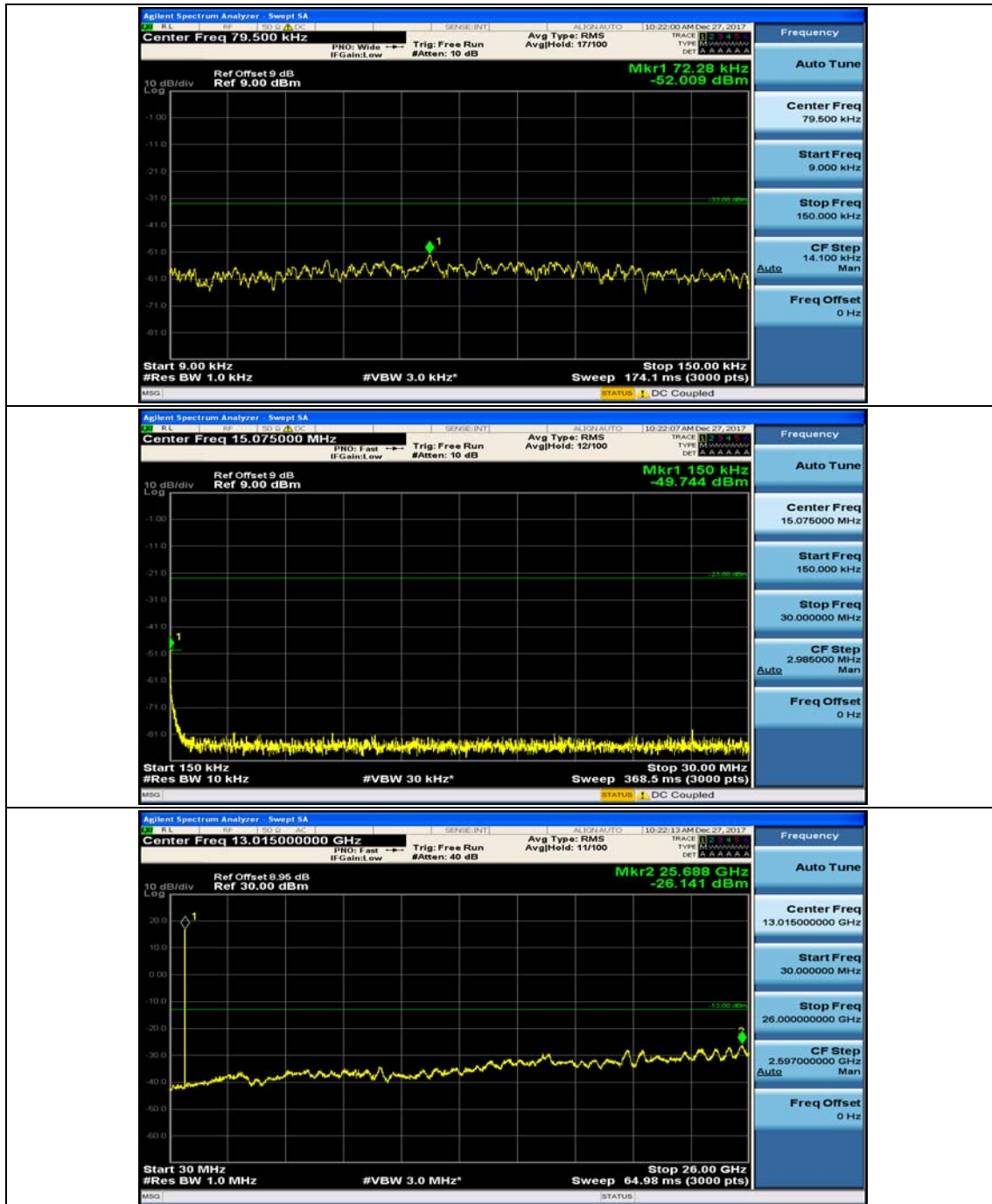


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

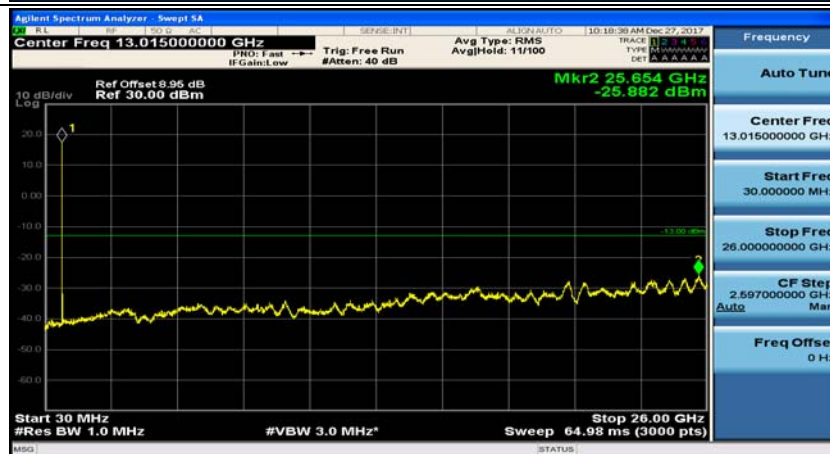
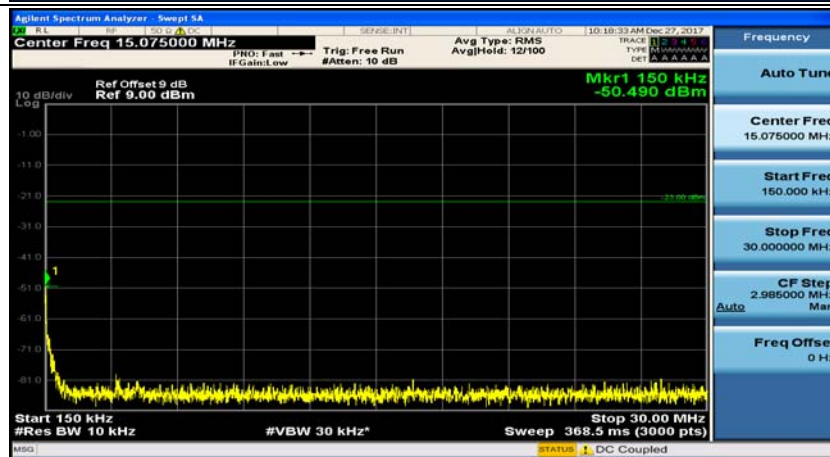


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

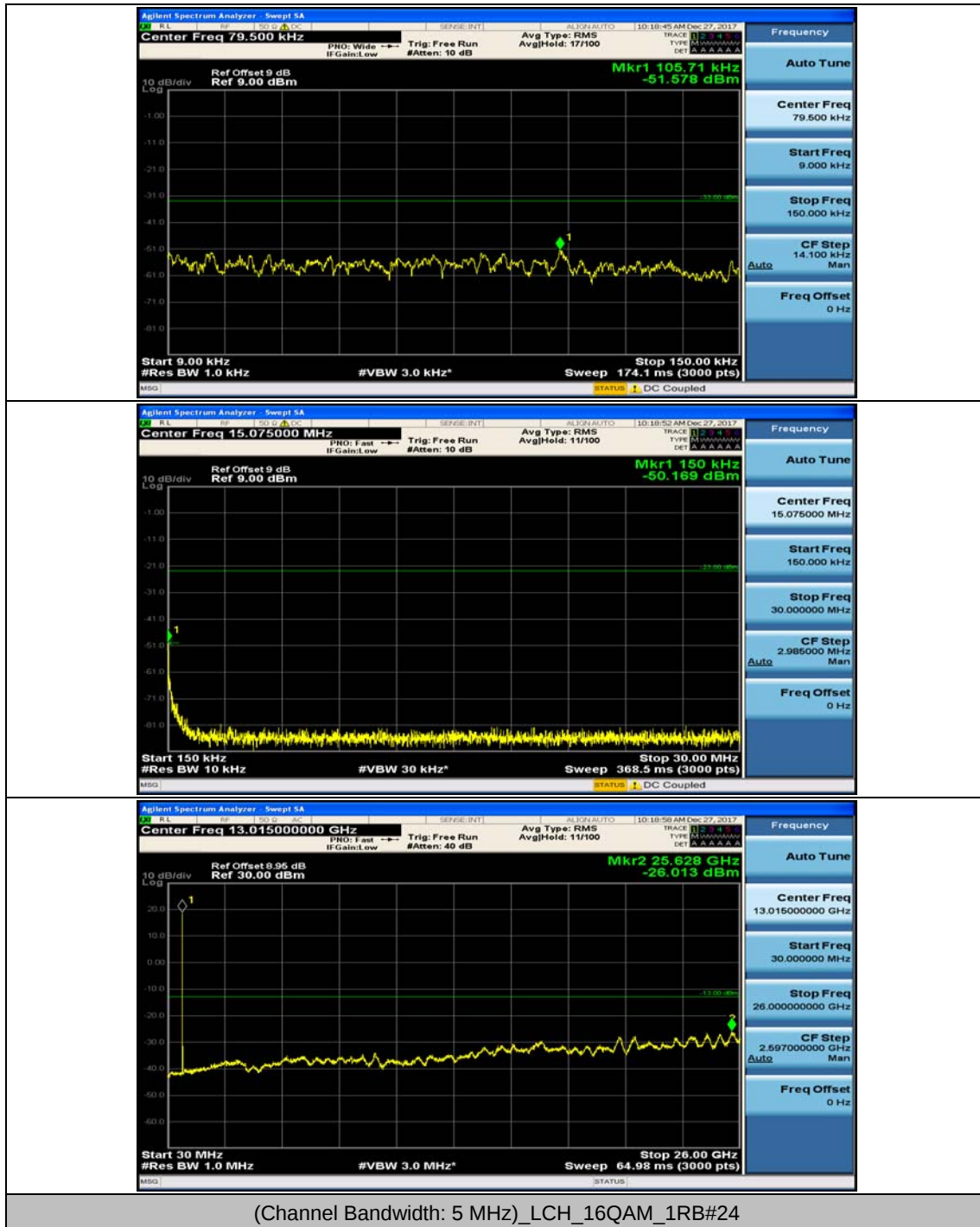


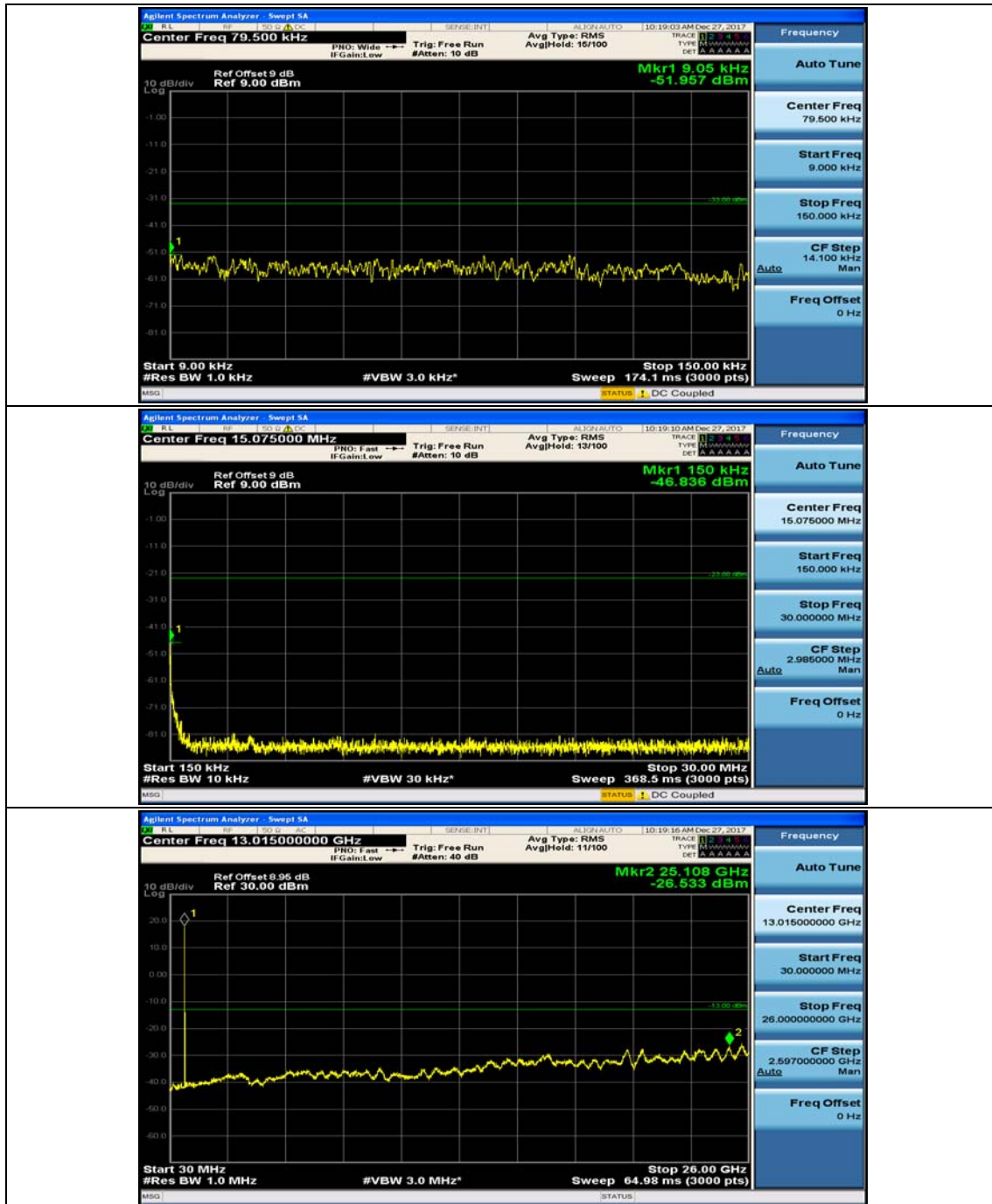


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

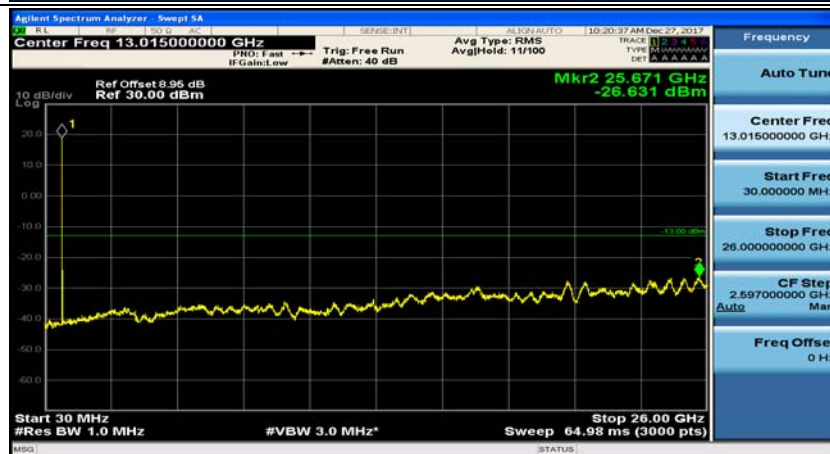
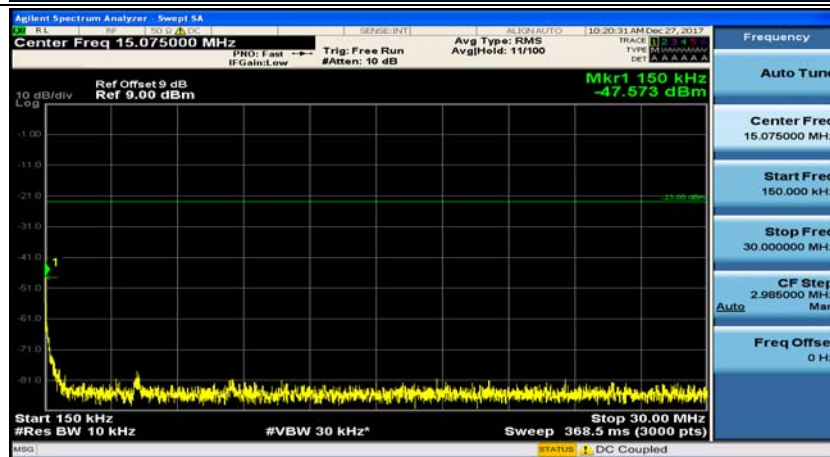
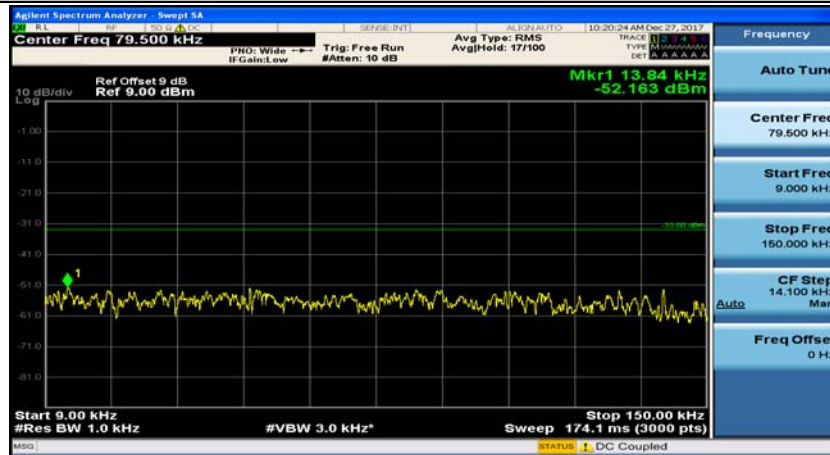


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

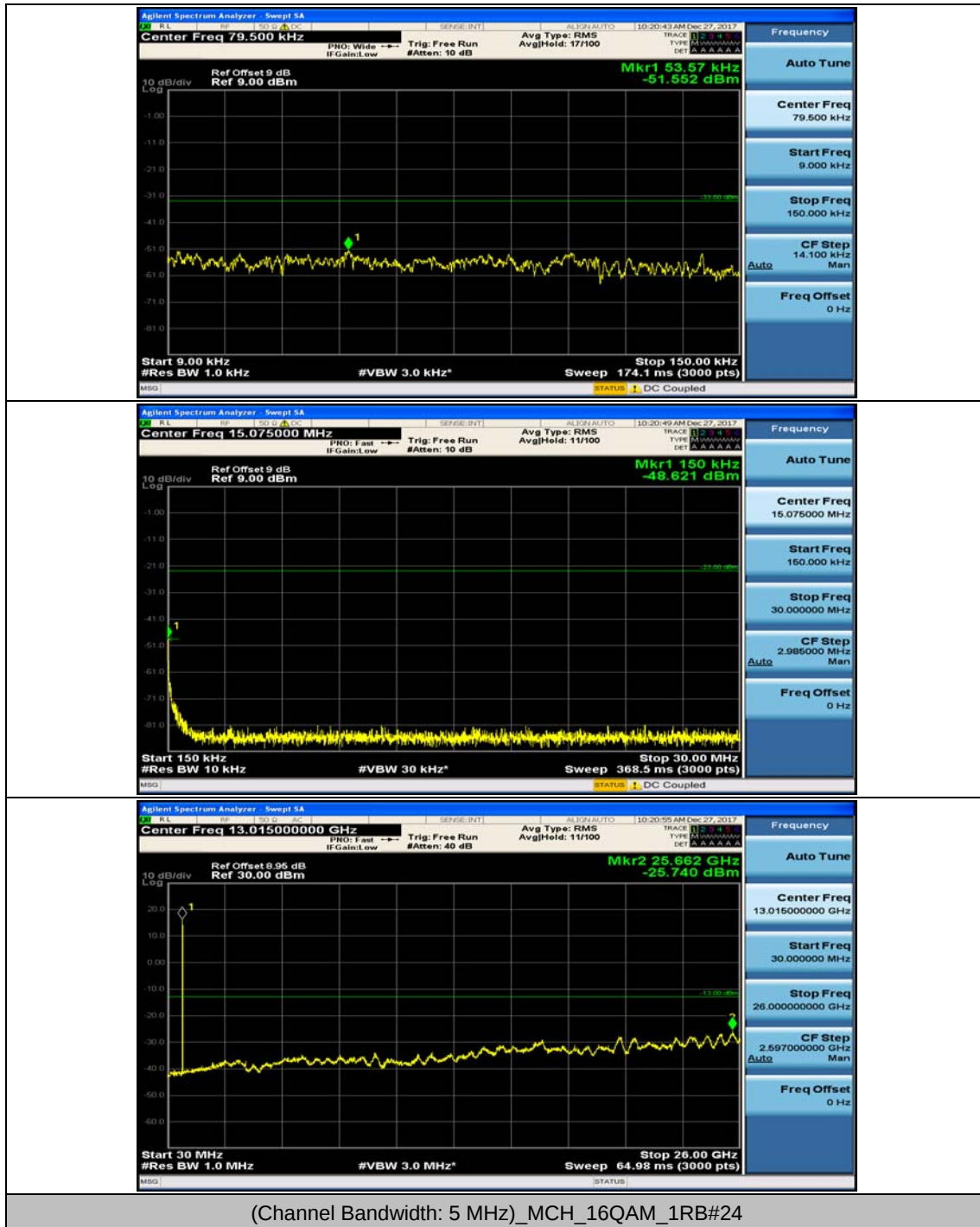


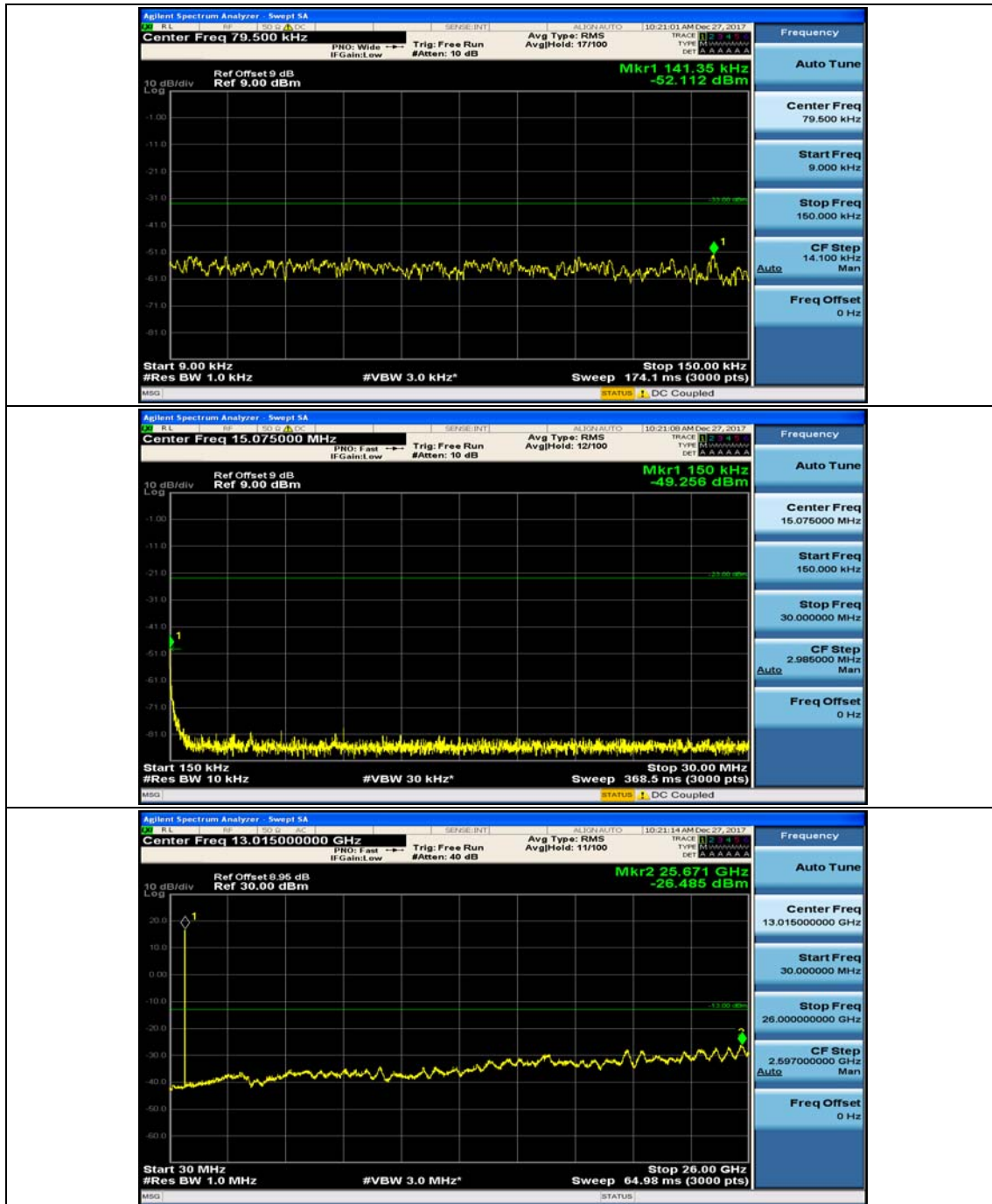


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

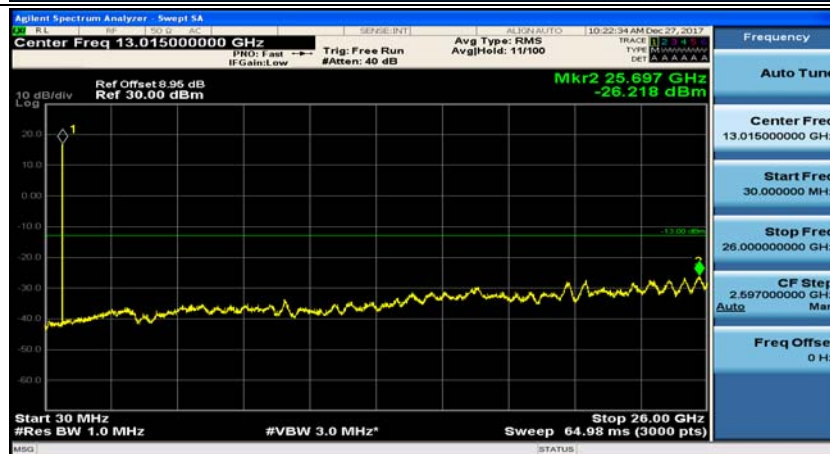
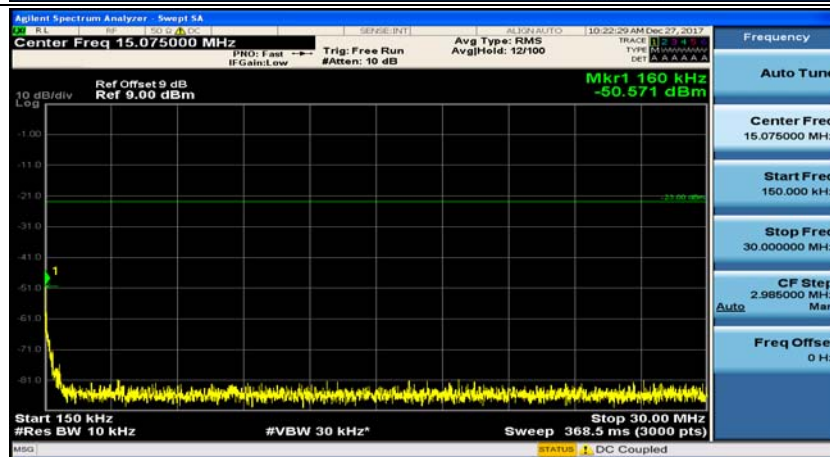
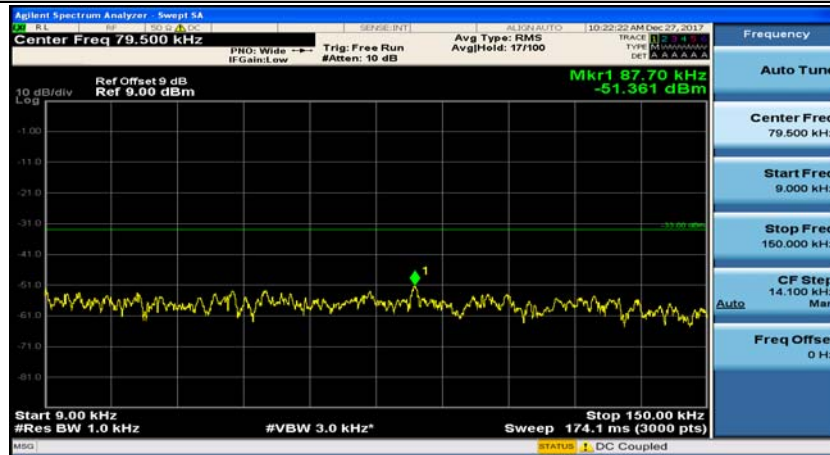


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

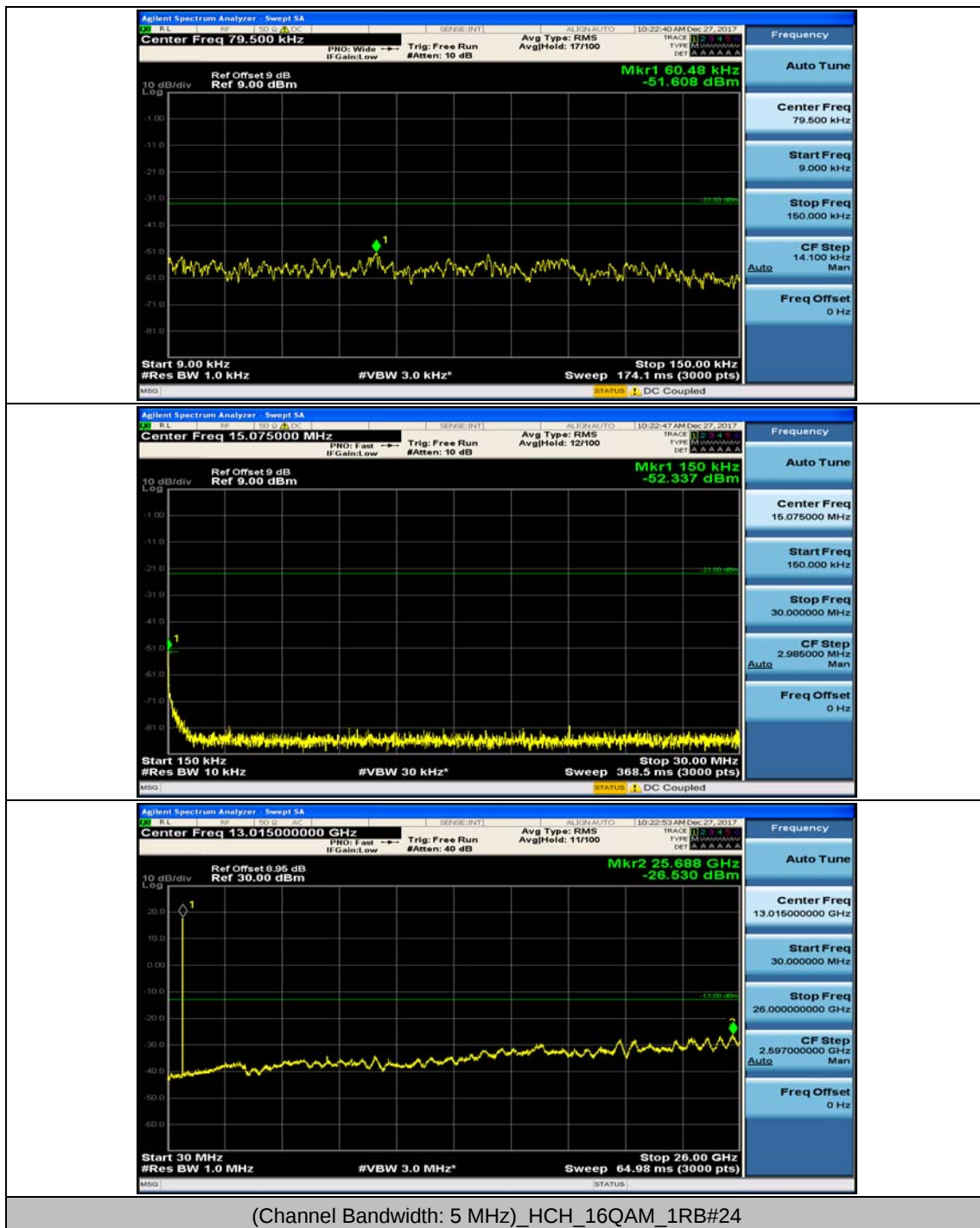


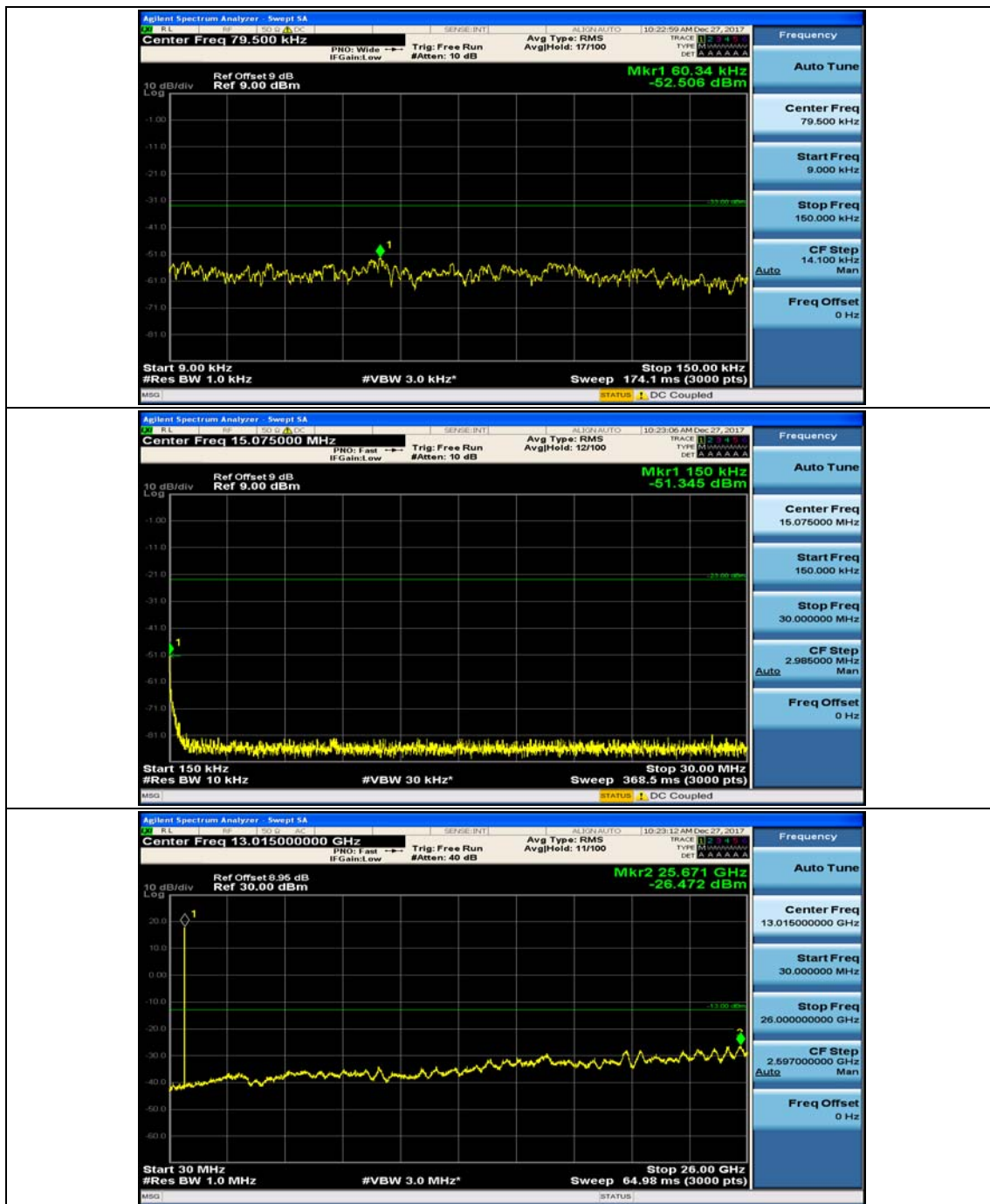


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

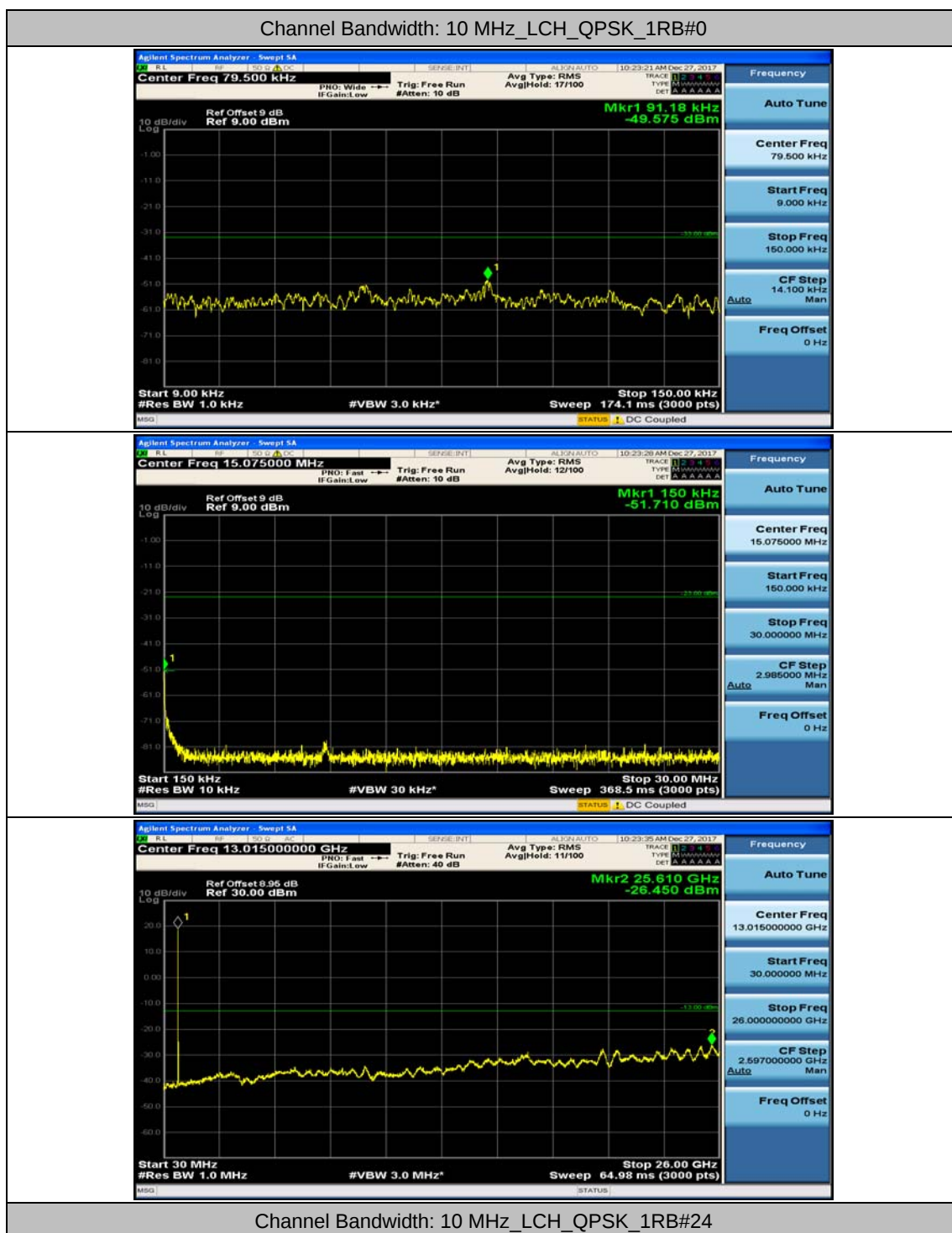


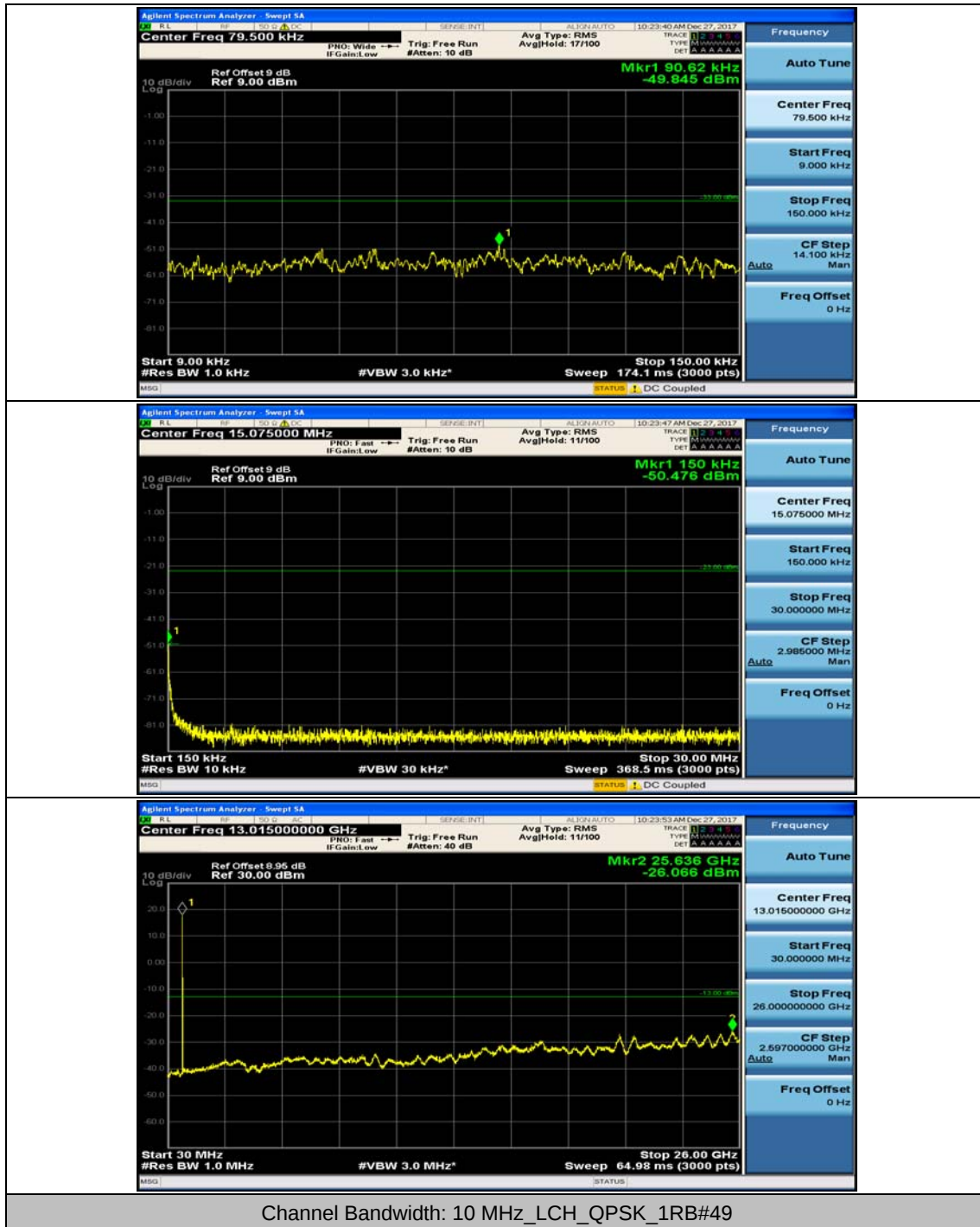
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

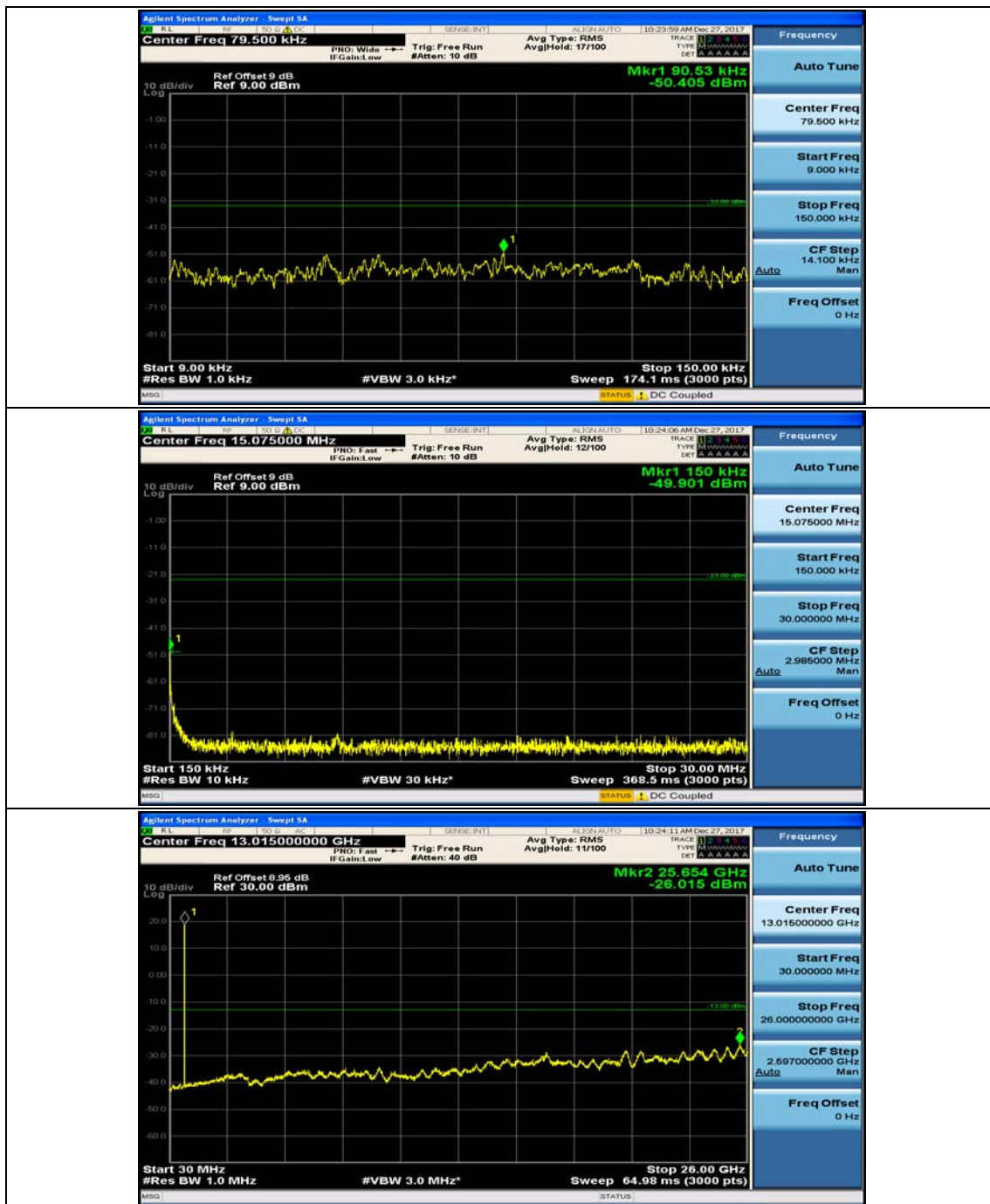




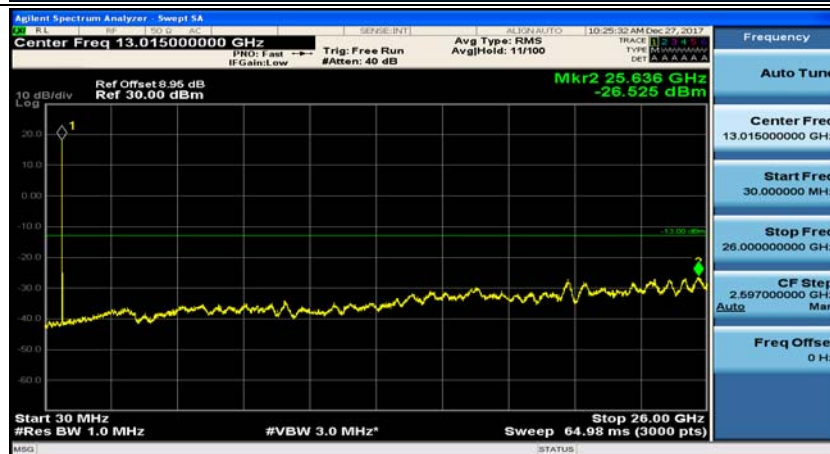
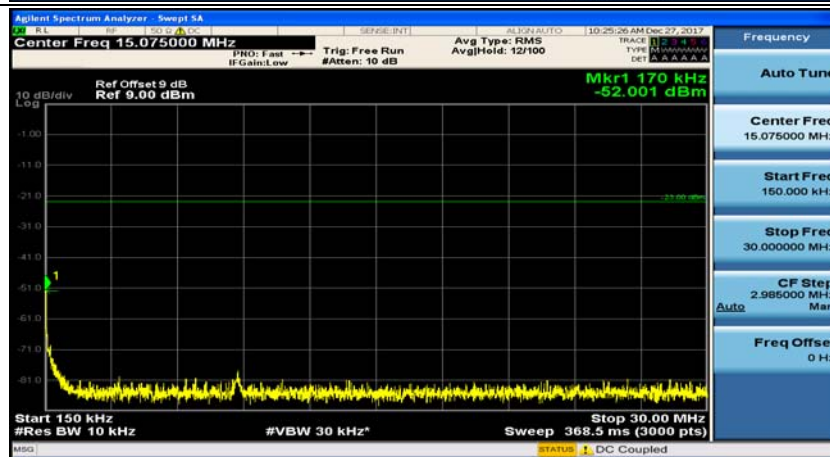
Channel Bandwidth: 10 MHz



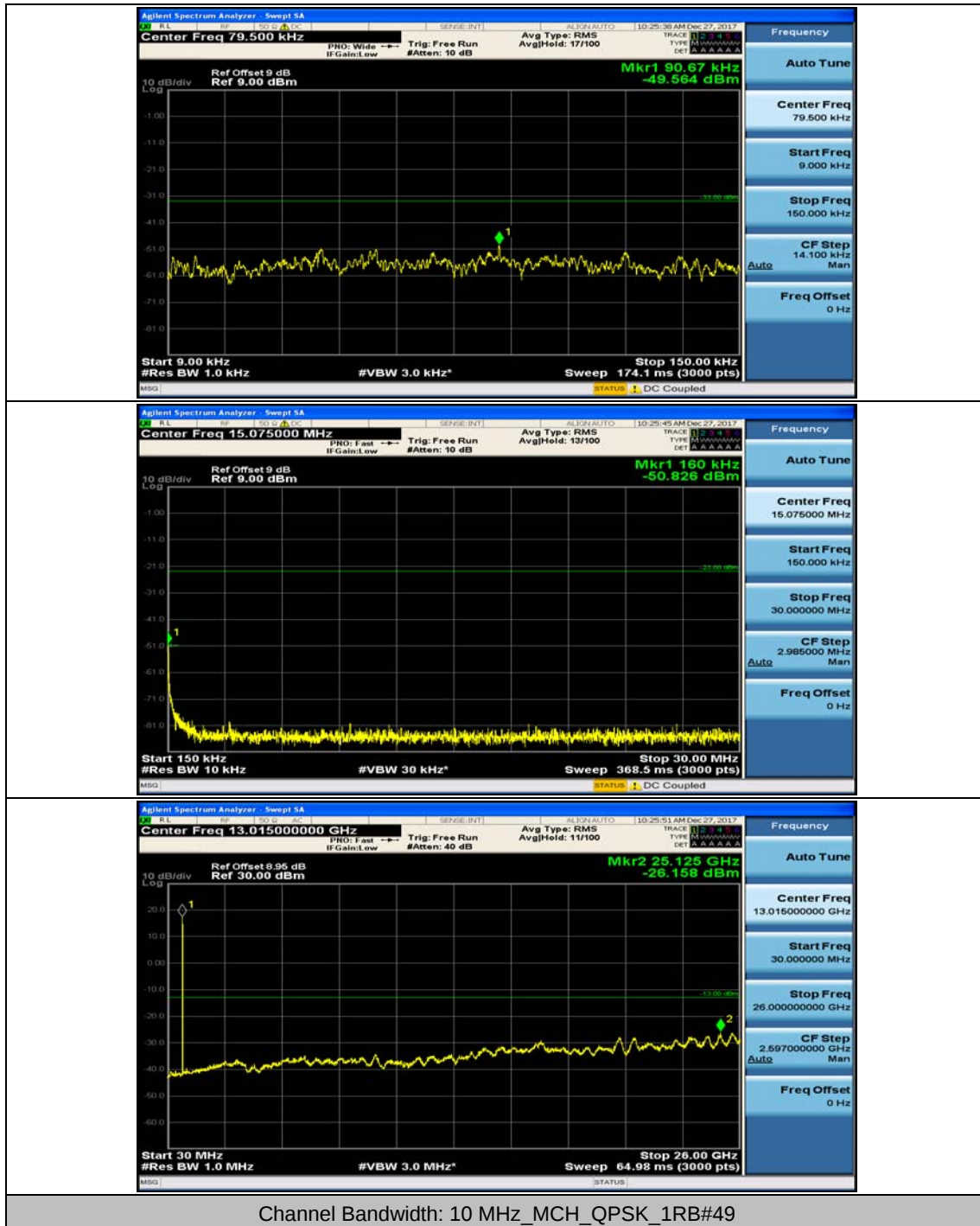


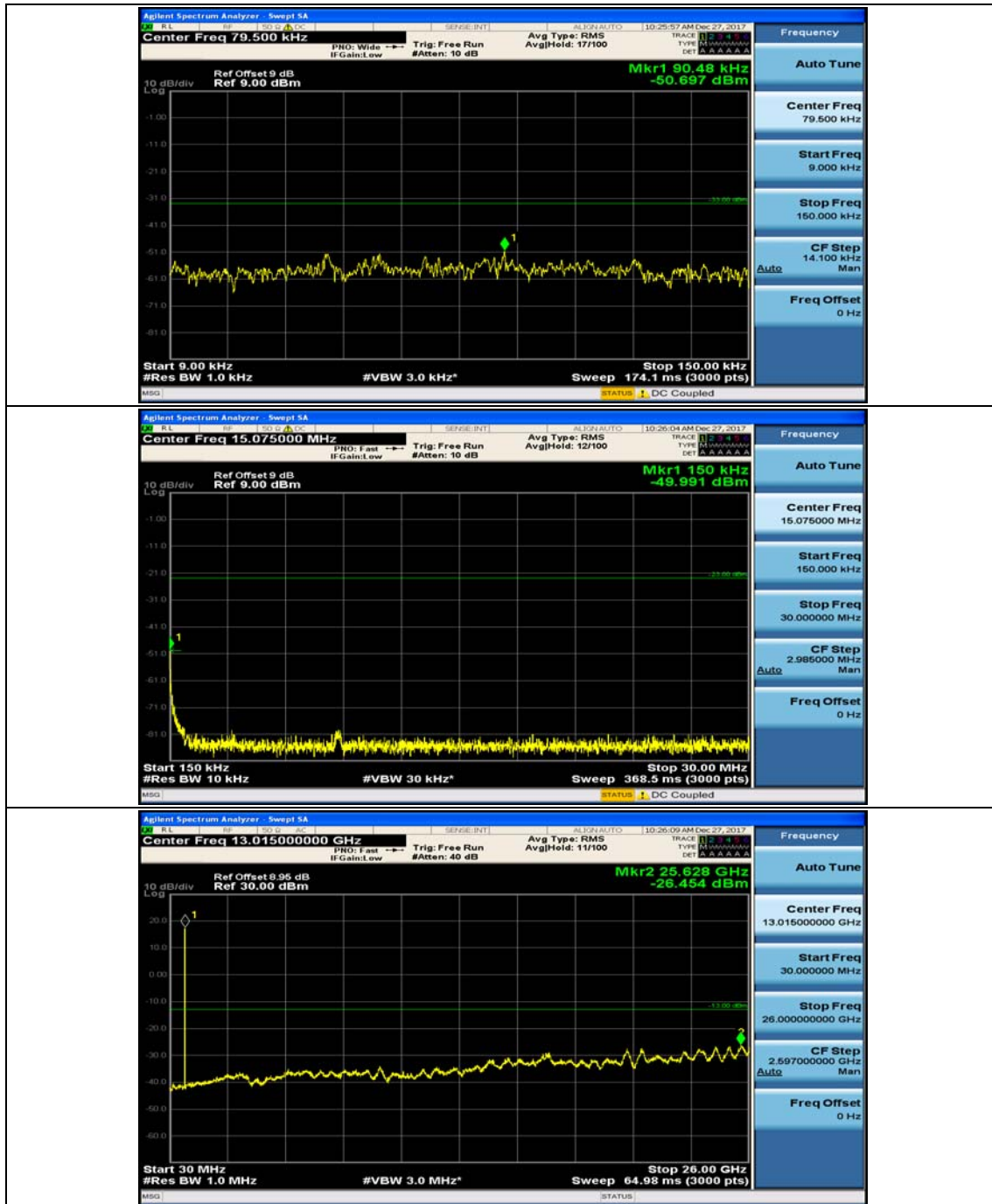


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

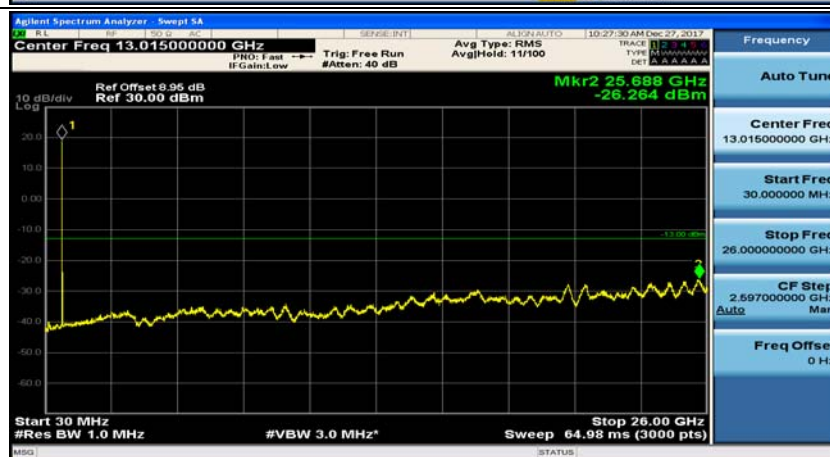
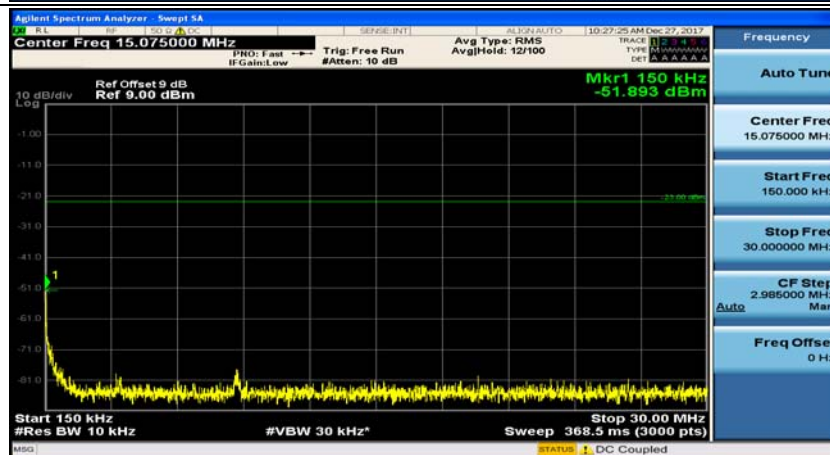


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

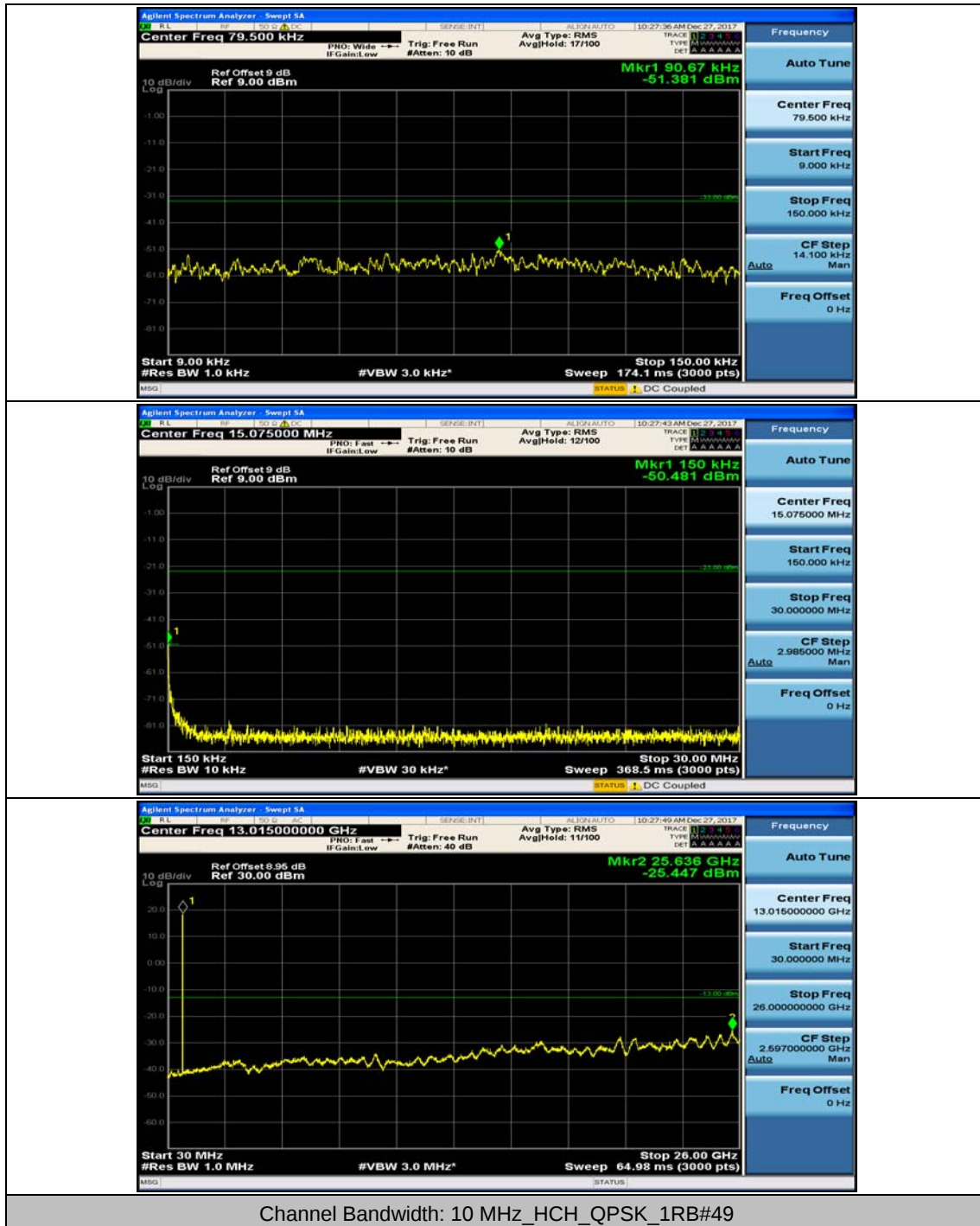


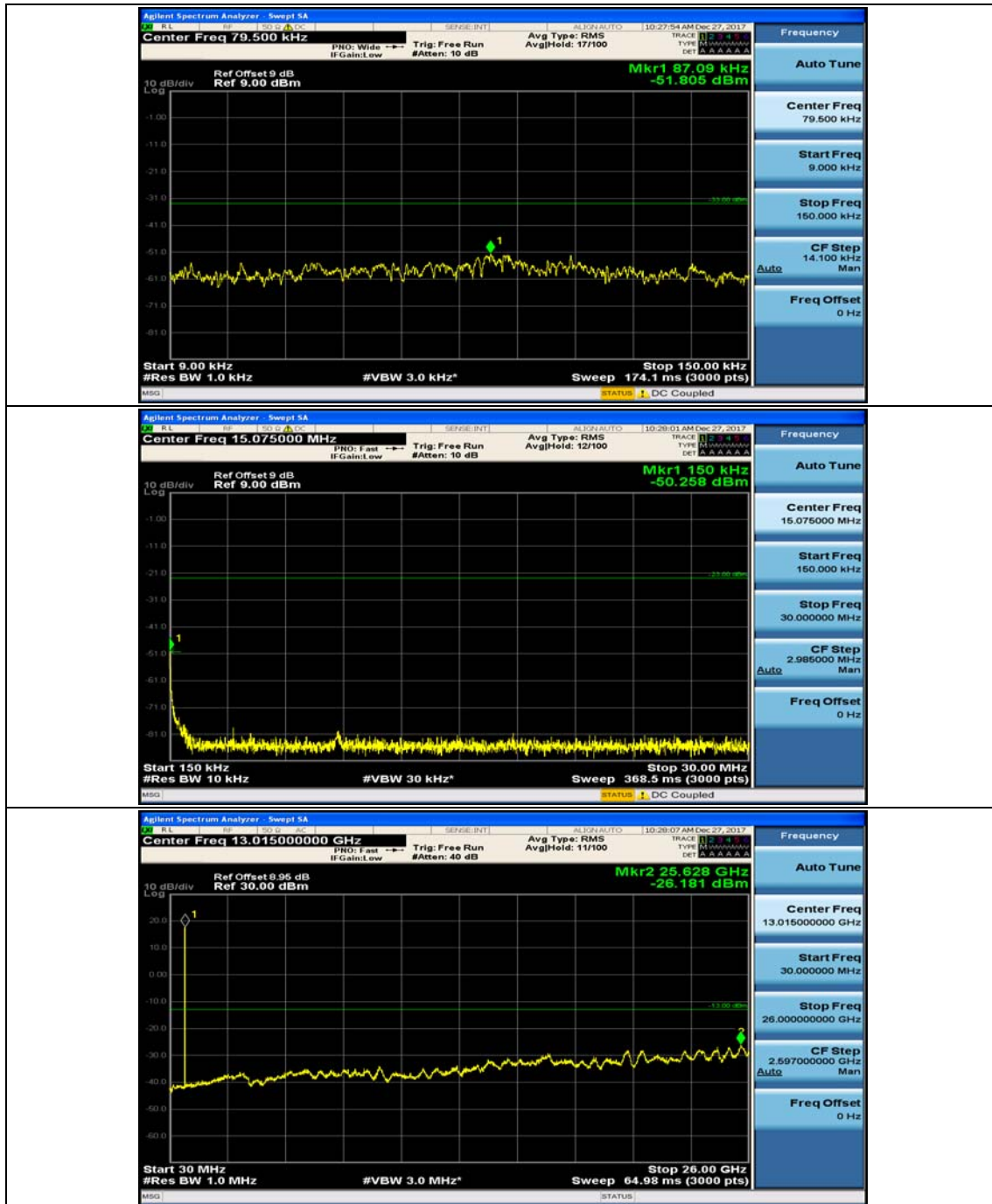


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

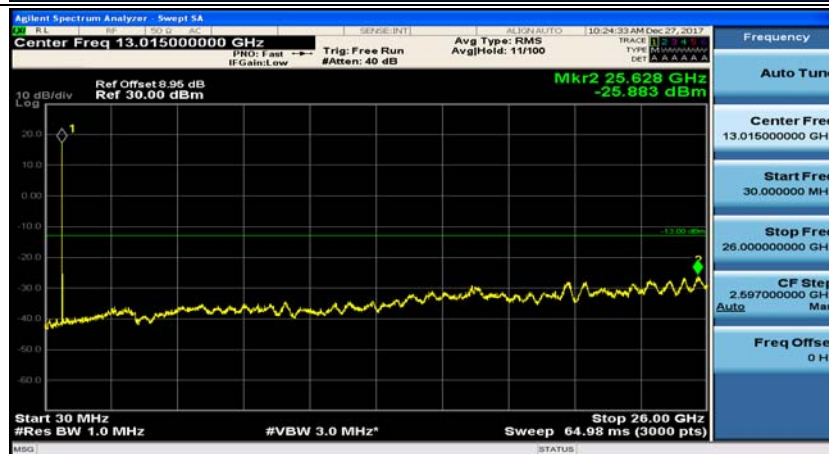
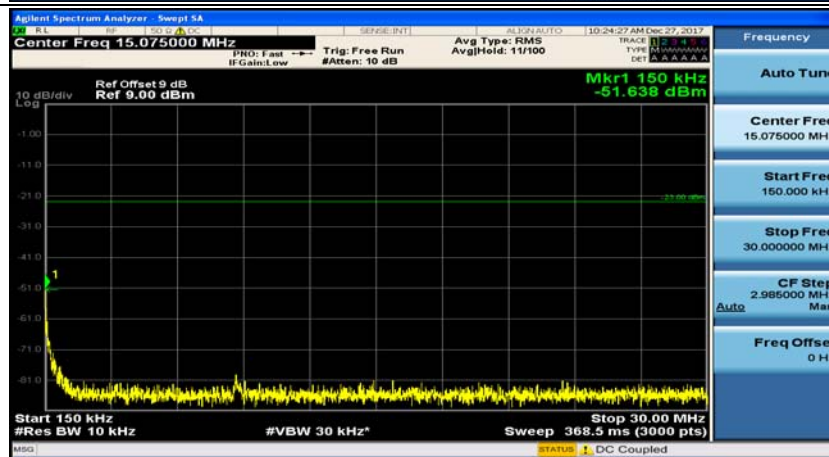
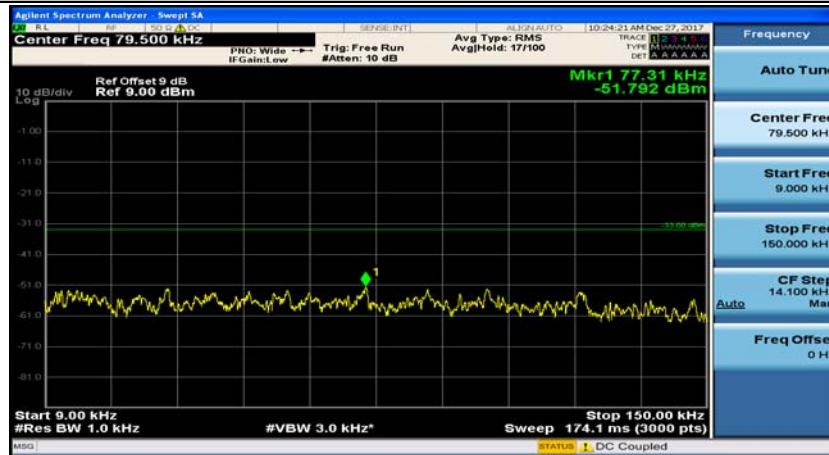


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

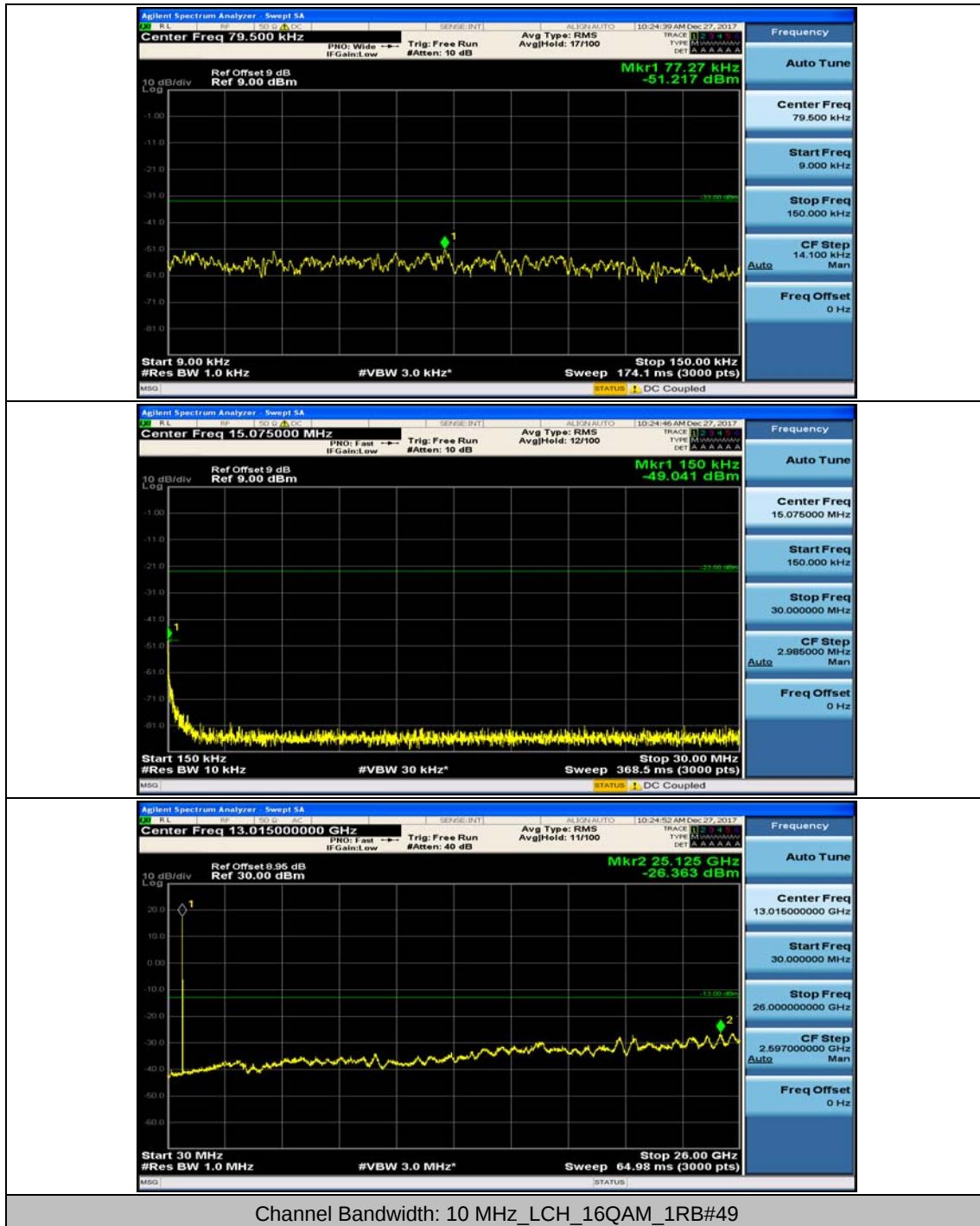


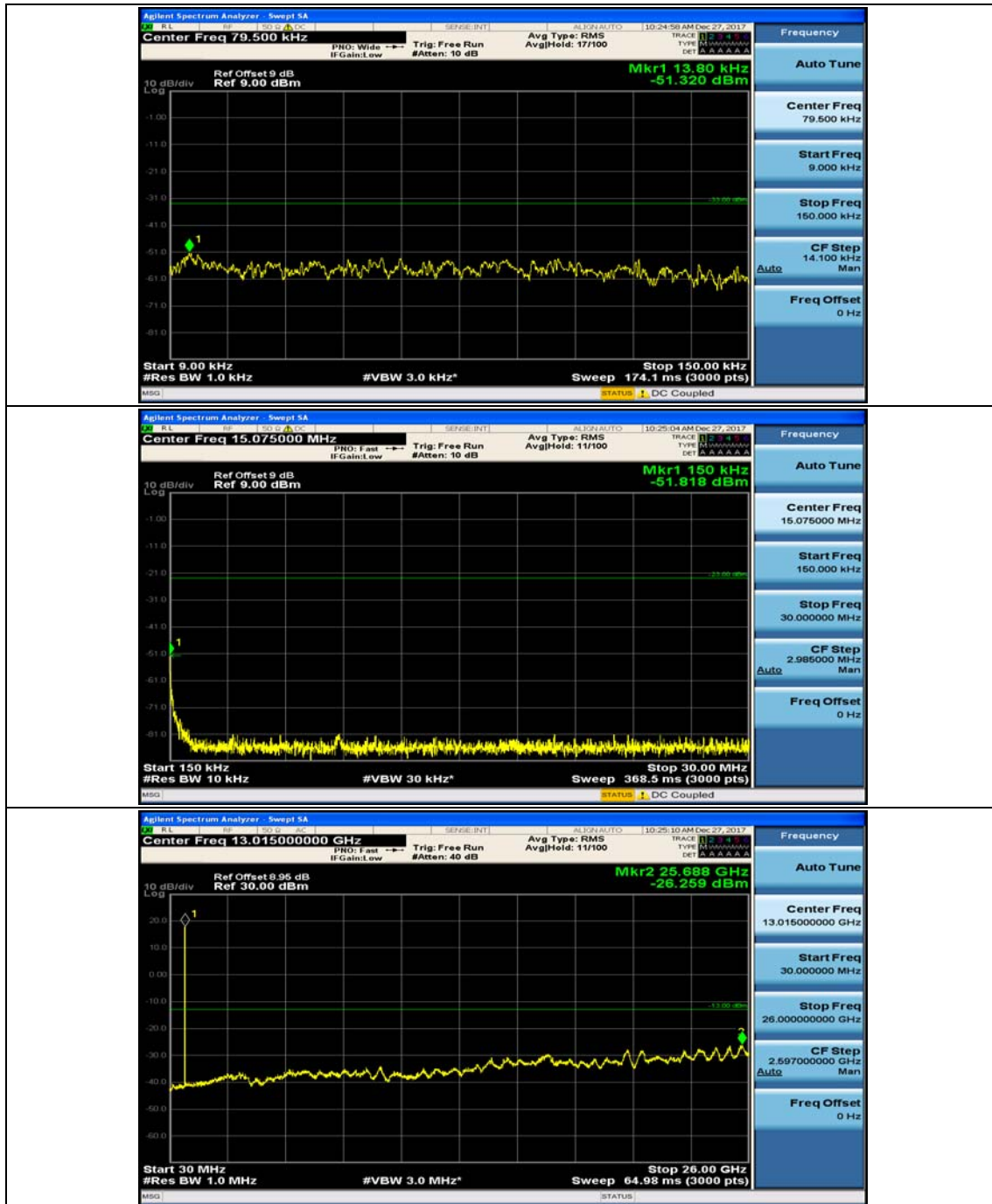


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

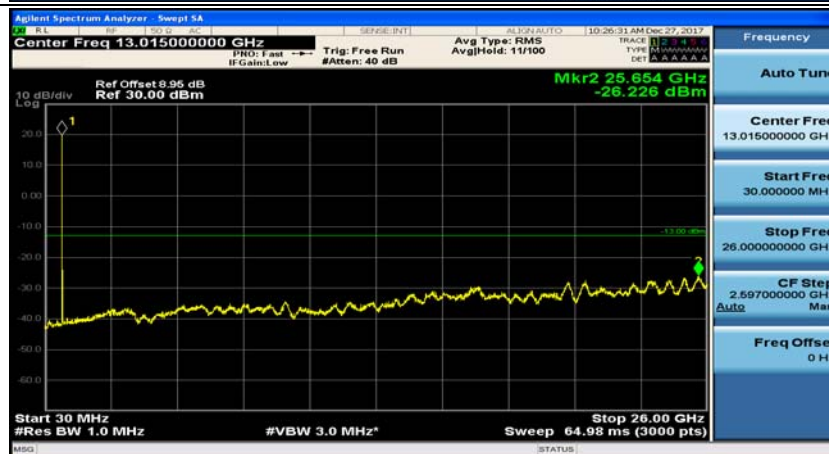
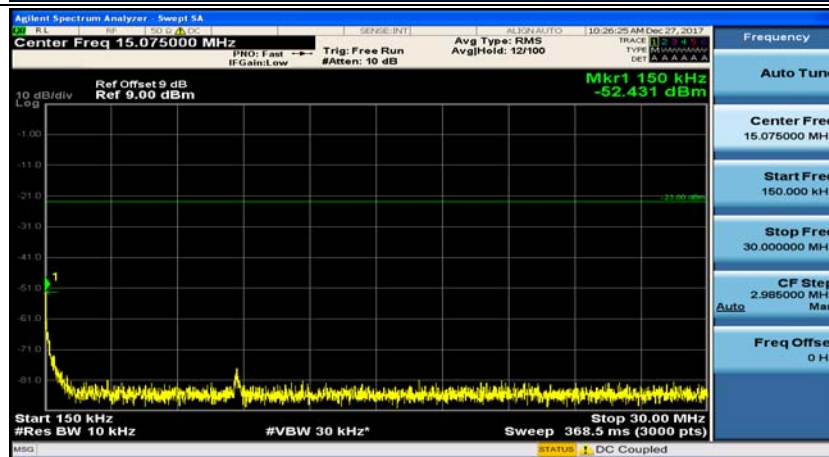
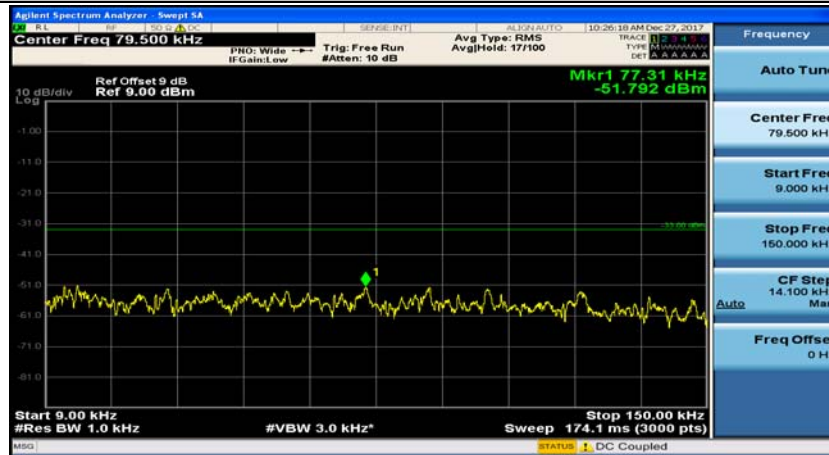


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

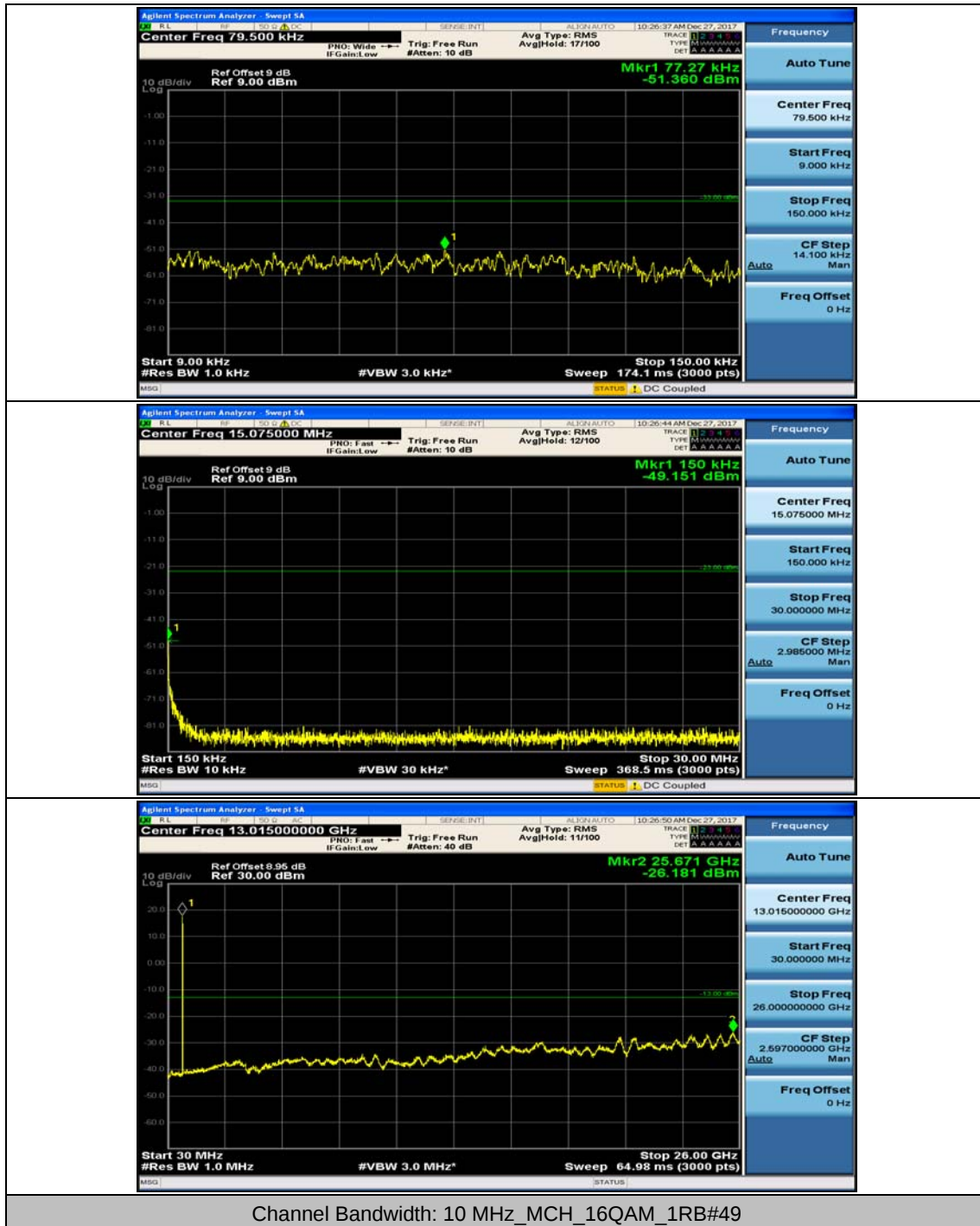


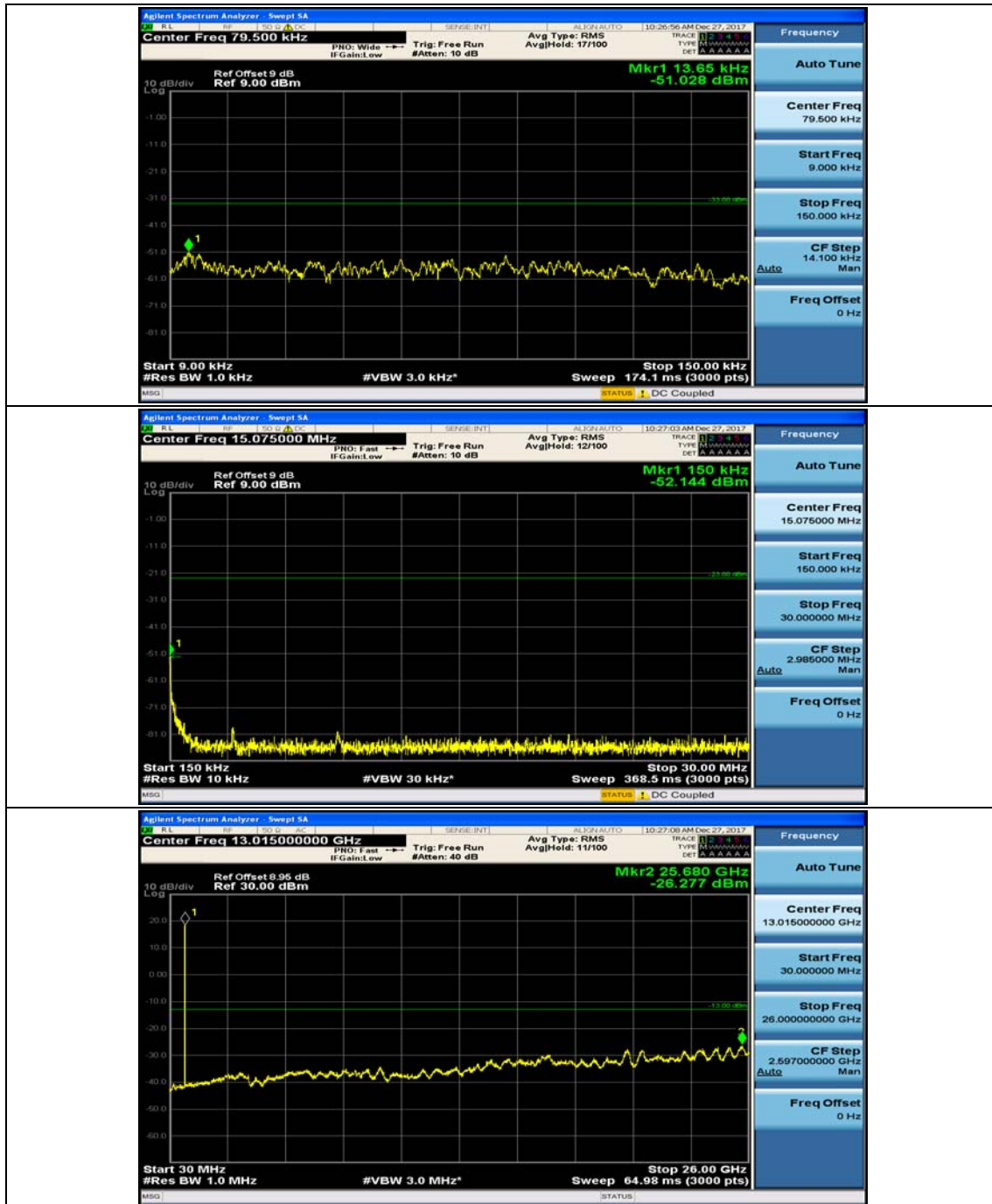


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

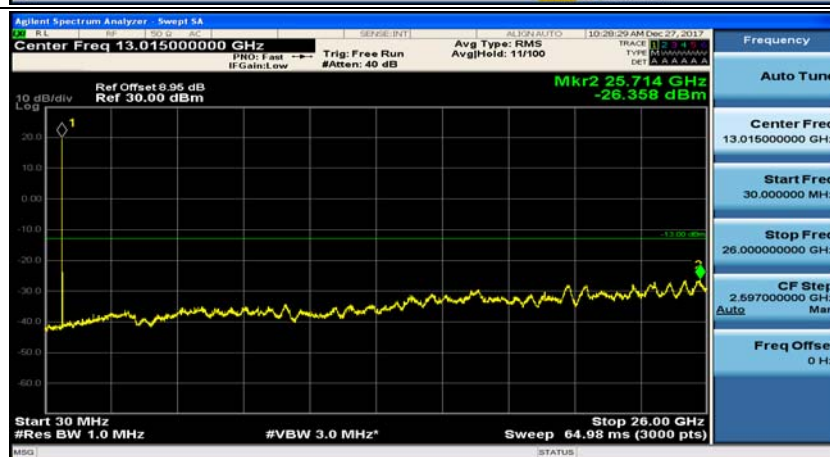
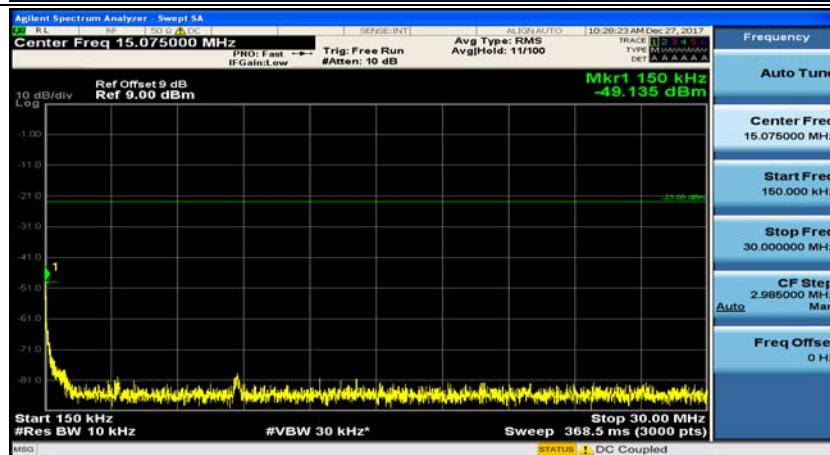


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

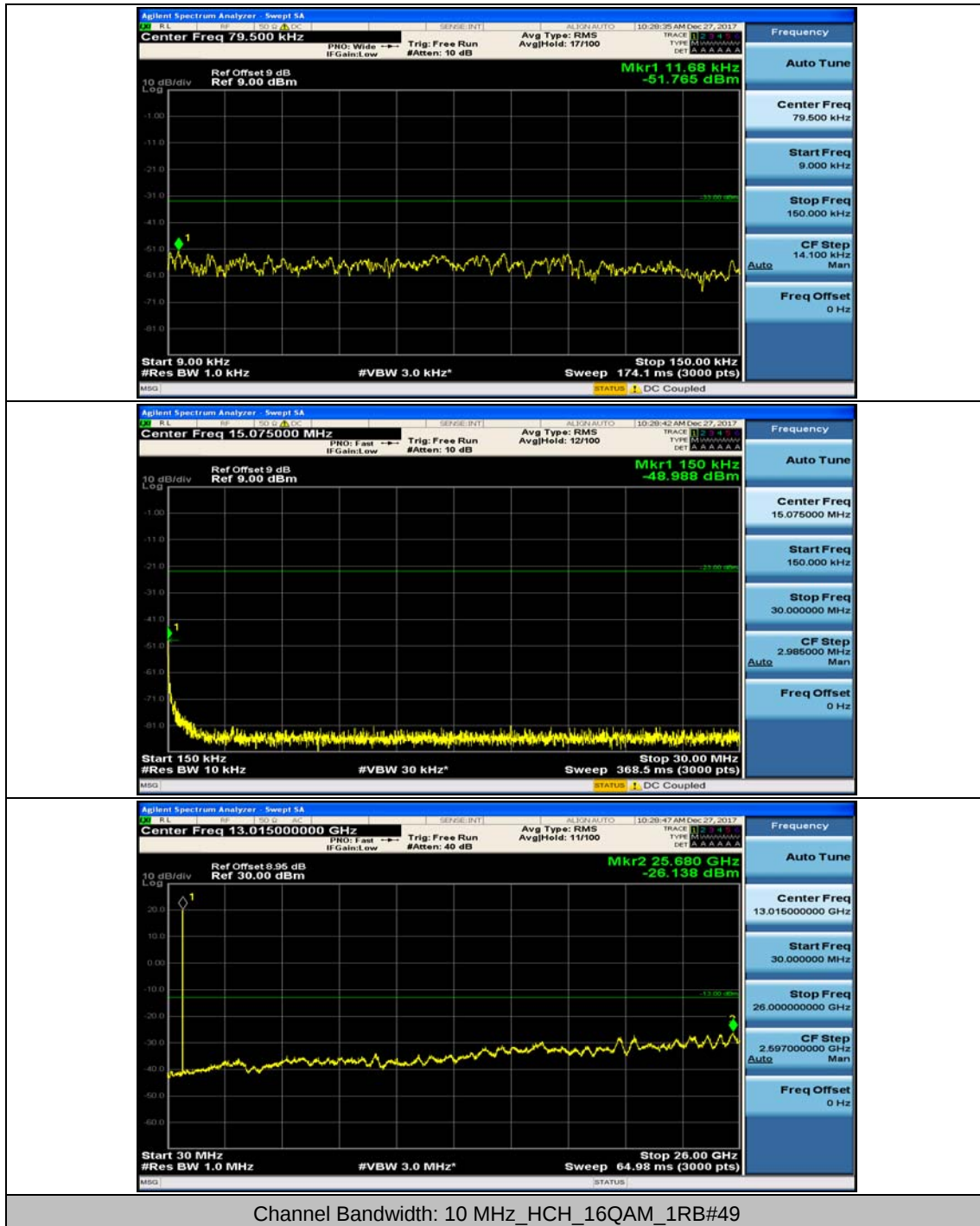


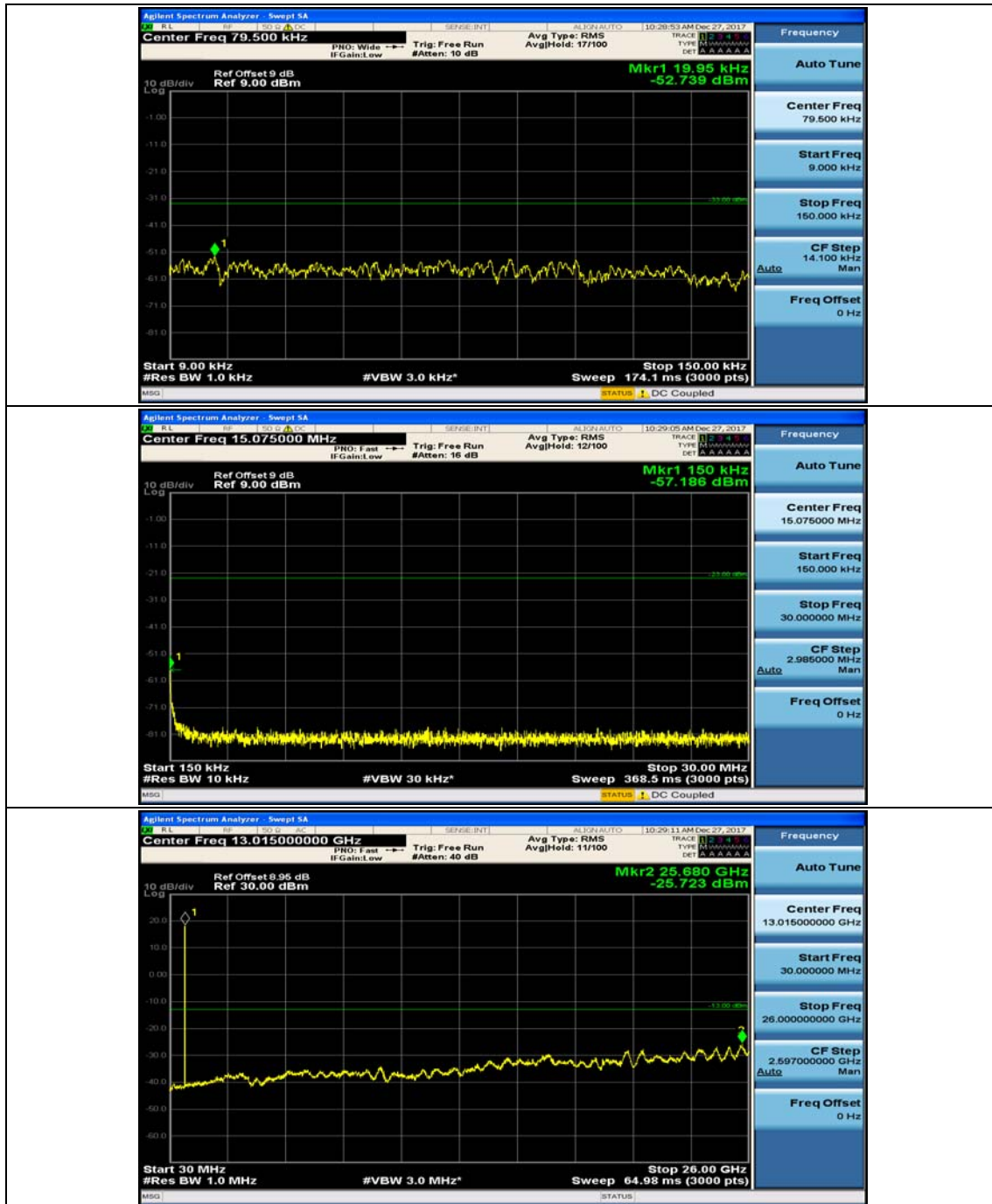


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	3.09	0.004374	± 2.5	PASS
		VN	TN	1.71	0.002420	± 2.5	PASS
		VH	TN	3.62	0.005124	± 2.5	PASS
	MCH	VL	TN	-1.59	-0.002239	± 2.5	PASS
		VN	TN	2.67	0.003761	± 2.5	PASS
		VH	TN	1.06	0.001493	± 2.5	PASS
	HCH	VL	TN	0.25	0.000350	± 2.5	PASS
		VN	TN	-1.84	-0.002579	± 2.5	PASS
		VH	TN	4.75	0.006657	± 2.5	PASS
16QAM	LCH	VL	TN	-0.38	-0.000538	± 2.5	PASS
		VN	TN	4.13	0.005846	± 2.5	PASS
		VH	TN	1.06	0.001500	± 2.5	PASS
	MCH	VL	TN	-1.13	-0.001592	± 2.5	PASS
		VN	TN	3.31	0.004662	± 2.5	PASS
		VH	TN	3.69	0.005197	± 2.5	PASS
	HCH	VL	TN	-1.01	-0.001416	± 2.5	PASS
		VN	TN	3.98	0.005578	± 2.5	PASS
		VH	TN	-0.96	-0.001345	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.69	0.006638	± 2.5	PASS
		VN	-20	-0.95	-0.001345	± 2.5	PASS
		VN	-10	4.28	0.006058	± 2.5	PASS
		VN	0	0.84	0.001189	± 2.5	PASS
		VN	10	0.82	0.001161	± 2.5	PASS
		VN	20	-1.63	-0.002307	± 2.5	PASS
		VN	30	0.46	0.000651	± 2.5	PASS
		VN	40	1.89	0.002675	± 2.5	PASS
		VN	50	1.36	0.001925	± 2.5	PASS
	MCH	VN	-30	-0.35	-0.000493	± 2.5	PASS

		VN	-20	-0.93	-0.001310	± 2.5	PASS
		VN	-10	4.67	0.006577	± 2.5	PASS
		VN	0	-1.35	-0.001901	± 2.5	PASS
		VN	10	-0.44	-0.000620	± 2.5	PASS
		VN	20	0.14	0.000197	± 2.5	PASS
		VN	30	0.65	0.000915	± 2.5	PASS
		VN	40	-0.45	-0.000634	± 2.5	PASS
		VN	50	-0.54	-0.000761	± 2.5	PASS
	HCH	VN	-30	-1.19	-0.001668	± 2.5	PASS
		VN	-20	-1.08	-0.001514	± 2.5	PASS
		VN	-10	3.72	0.005214	± 2.5	PASS
		VN	0	1.91	0.002677	± 2.5	PASS
		VN	10	-1.33	-0.001864	± 2.5	PASS
		VN	20	4.12	0.005774	± 2.5	PASS
		VN	30	1.56	0.002186	± 2.5	PASS
		VN	40	0.86	0.001205	± 2.5	PASS
		VN	50	0.97	0.001359	± 2.5	PASS
16QAM	LCH	VN	-30	0.67	0.000948	± 2.5	PASS
		VN	-20	3.41	0.004827	± 2.5	PASS
		VN	-10	2.55	0.003609	± 2.5	PASS
		VN	0	1.24	0.001755	± 2.5	PASS
		VN	10	0.89	0.001260	± 2.5	PASS
		VN	20	3.7	0.005237	± 2.5	PASS
		VN	30	0.82	0.001161	± 2.5	PASS
		VN	40	4.85	0.006865	± 2.5	PASS
		VN	50	1.77	0.002505	± 2.5	PASS
	MCH	VN	-30	2.95	0.004135	± 2.5	PASS
		VN	-20	4.77	0.006685	± 2.5	PASS
		VN	-10	0.48	0.000673	± 2.5	PASS
		VN	0	-0.75	-0.001051	± 2.5	PASS
		VN	10	4.81	0.006741	± 2.5	PASS
		VN	20	4.71	0.006601	± 2.5	PASS
		VN	30	3.4	0.004765	± 2.5	PASS
		VN	40	3.2	0.004485	± 2.5	PASS
		VN	50	1.28	0.001794	± 2.5	PASS
	HCH	VN	-30	3.71	0.005200	± 2.5	PASS
		VN	-20	-1.38	-0.001934	± 2.5	PASS
		VN	-10	4.08	0.005718	± 2.5	PASS
		VN	0	2.28	0.003196	± 2.5	PASS
		VN	10	2.91	0.004078	± 2.5	PASS
		VN	20	2.66	0.003728	± 2.5	PASS

		VN	30	2.74	0.003840	± 2.5	PASS
		VN	40	-1.11	-0.001556	± 2.5	PASS
		VN	50	2.37	0.003322	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature ()	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.18	0.000254	± 2.5	PASS
		VN	TN	2.17	0.003061	± 2.5	PASS
		VH	TN	-1.42	-0.002003	± 2.5	PASS
	MCH	VL	TN	3.95	0.005563	± 2.5	PASS
		VN	TN	-0.5	-0.000704	± 2.5	PASS
		VH	TN	-0.42	-0.000592	± 2.5	PASS
	HCH	VL	TN	3.86	0.005429	± 2.5	PASS
		VN	TN	2.69	0.003783	± 2.5	PASS
		VH	TN	0.45	0.000633	± 2.5	PASS
16QAM	LCH	VL	TN	-1.98	-0.002793	± 2.5	PASS
		VN	TN	4.81	0.006784	± 2.5	PASS
		VH	TN	2.72	0.003836	± 2.5	PASS
	MCH	VL	TN	3.98	0.005606	± 2.5	PASS
		VN	TN	-1.52	-0.002141	± 2.5	PASS
		VH	TN	-0.56	-0.000789	± 2.5	PASS
	HCH	VL	TN	-0.03	-0.000042	± 2.5	PASS
		VN	TN	3.45	0.004852	± 2.5	PASS
		VH	TN	0.63	0.000886	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3	0.004231	± 2.5	PASS
		VN	-20	3.63	0.005120	± 2.5	PASS
		VN	-10	0.94	0.001326	± 2.5	PASS
		VN	0	4.25	0.005994	± 2.5	PASS
		VN	10	2.06	0.002906	± 2.5	PASS
		VN	20	0.89	0.001255	± 2.5	PASS
		VN	30	-1.45	-0.002045	± 2.5	PASS
		VN	40	0.96	0.001354	± 2.5	PASS
		VN	50	4.45	0.006276	± 2.5	PASS
	MCH	VN	-30	-0.19	-0.000268	± 2.5	PASS
		VN	-20	-0.24	-0.000338	± 2.5	PASS

		VN	-10	2.8	0.003944	± 2.5	PASS
		VN	0	2.46	0.003465	± 2.5	PASS
		VN	10	-0.29	-0.000408	± 2.5	PASS
		VN	20	3.82	0.005380	± 2.5	PASS
		VN	30	0.83	0.001169	± 2.5	PASS
		VN	40	0.34	0.000479	± 2.5	PASS
		VN	50	3.82	0.005380	± 2.5	PASS
	HCH	VN	-30	-1.58	-0.002222	± 2.5	PASS
		VN	-20	-0.72	-0.001013	± 2.5	PASS
		VN	-10	2.35	0.003305	± 2.5	PASS
		VN	0	3.37	0.004740	± 2.5	PASS
		VN	10	-1.87	-0.002630	± 2.5	PASS
		VN	20	1.97	0.002771	± 2.5	PASS
		VN	30	0.63	0.000886	± 2.5	PASS
		VN	40	-1.56	-0.002194	± 2.5	PASS
		VN	50	4.44	0.006245	± 2.5	PASS
QPSK	LCH	VN	-30	-1.85	-0.002606	± 2.5	PASS
		VN	-20	1.6	0.002254	± 2.5	PASS
		VN	-10	1.38	0.001944	± 2.5	PASS
		VN	0	4.67	0.006577	± 2.5	PASS
		VN	10	0.71	0.001000	± 2.5	PASS
		VN	20	2.31	0.003254	± 2.5	PASS
		VN	30	2.15	0.003028	± 2.5	PASS
		VN	40	-0.84	-0.001183	± 2.5	PASS
		VN	50	1.38	0.001944	± 2.5	PASS
	MCH	VN	-30	4.06	0.005710	± 2.5	PASS
		VN	-20	4.66	0.006554	± 2.5	PASS
		VN	-10	4.2	0.005907	± 2.5	PASS
		VN	0	0.52	0.000731	± 2.5	PASS
		VN	10	-1.81	-0.002546	± 2.5	PASS
		VN	20	2.83	0.003980	± 2.5	PASS
		VN	30	3.96	0.005570	± 2.5	PASS
		VN	40	2.4	0.003376	± 2.5	PASS
		VN	50	3.03	0.004262	± 2.5	PASS
	HCH	VN	-30	4.57	0.006428	± 2.5	PASS
		VN	-20	2.96	0.004163	± 2.5	PASS
		VN	-10	-0.55	-0.000774	± 2.5	PASS
		VN	0	2.38	0.003347	± 2.5	PASS
		VN	10	-0.24	-0.000338	± 2.5	PASS
		VN	20	2.34	0.003291	± 2.5	PASS
		VN	30	1.7	0.002391	± 2.5	PASS

		VN	40	3.47	0.004880	± 2.5	PASS
		VN	50	-1.73	-0.002433	± 2.5	PASS