



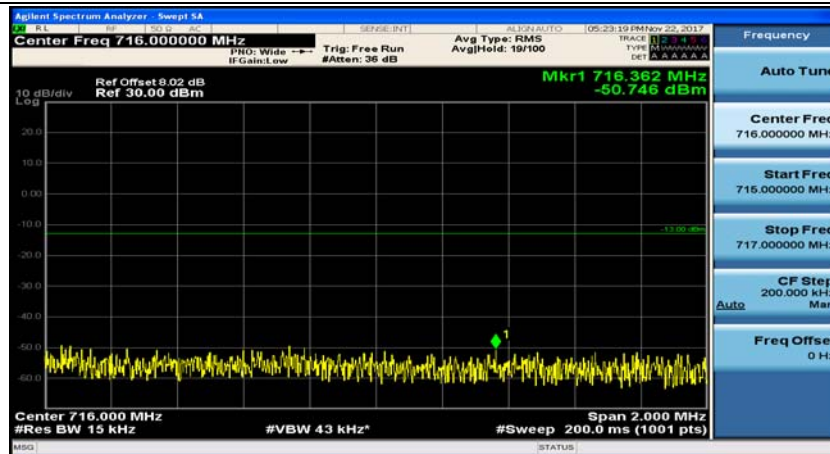
Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



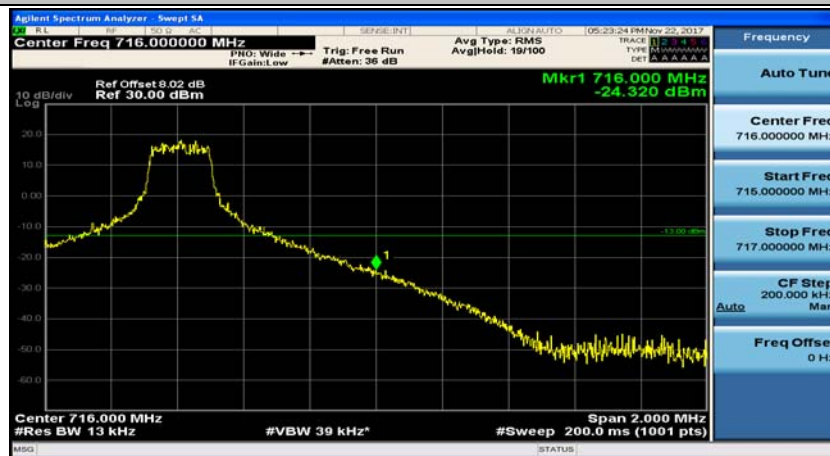
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



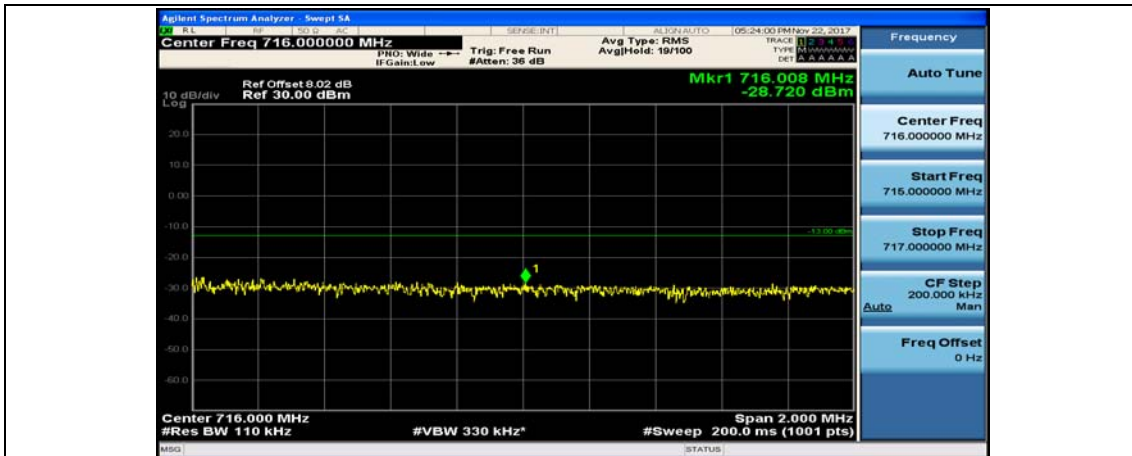
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



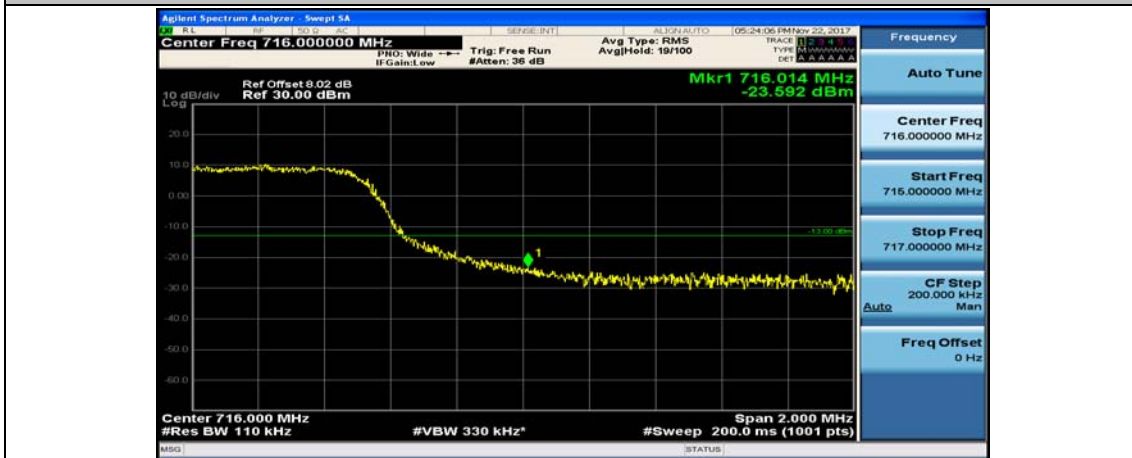
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



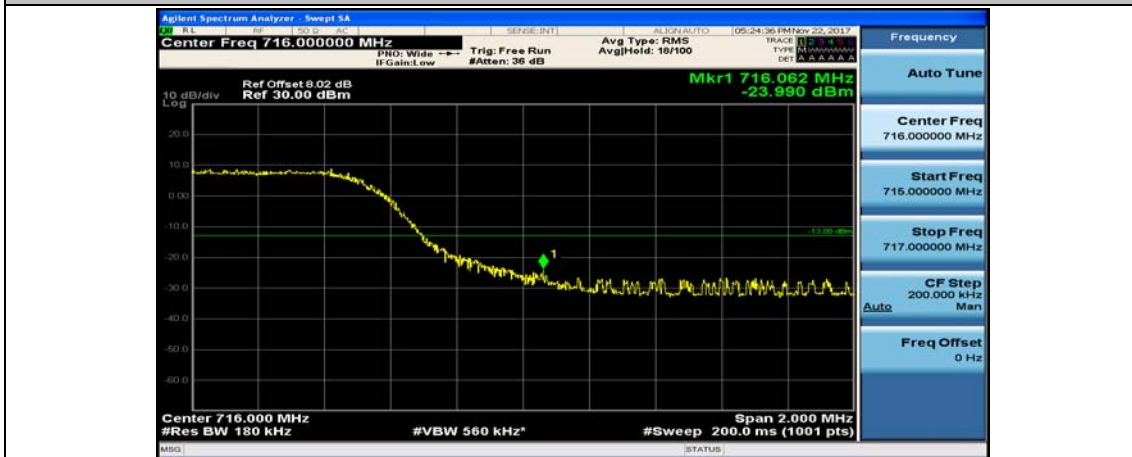
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



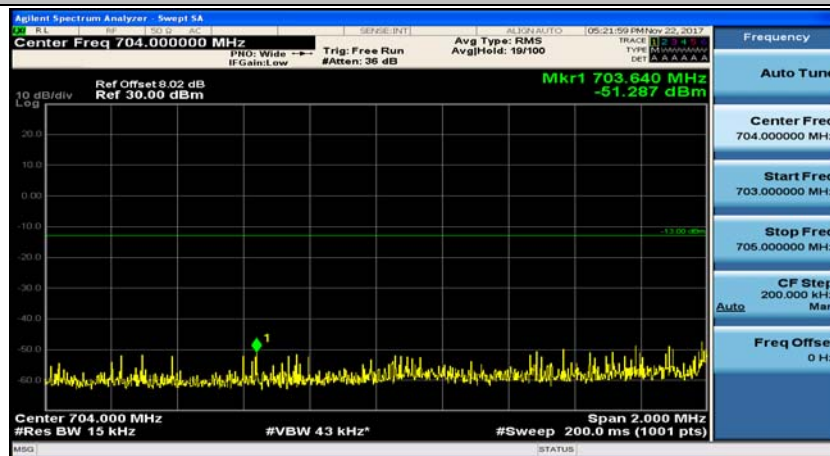
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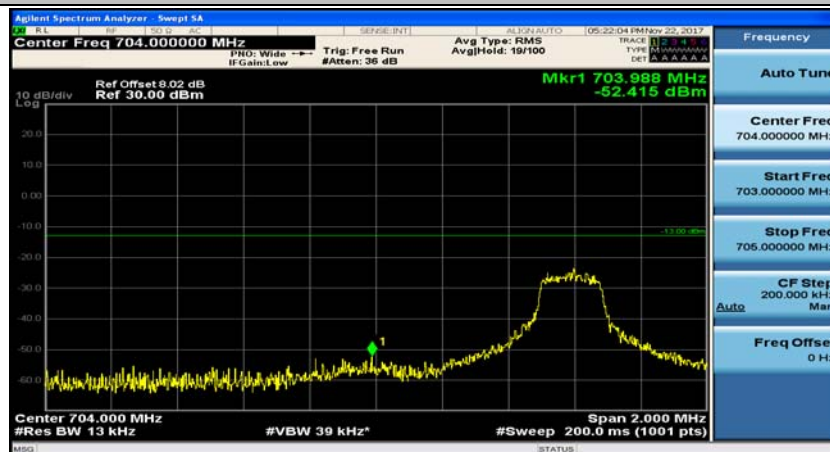
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



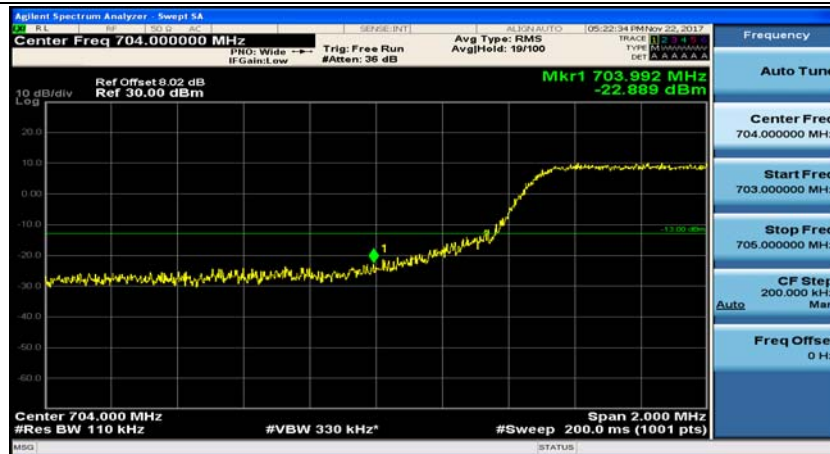
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



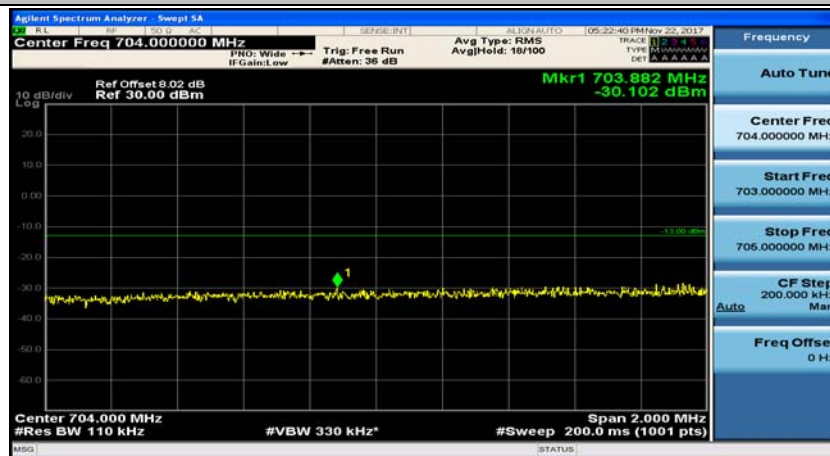
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



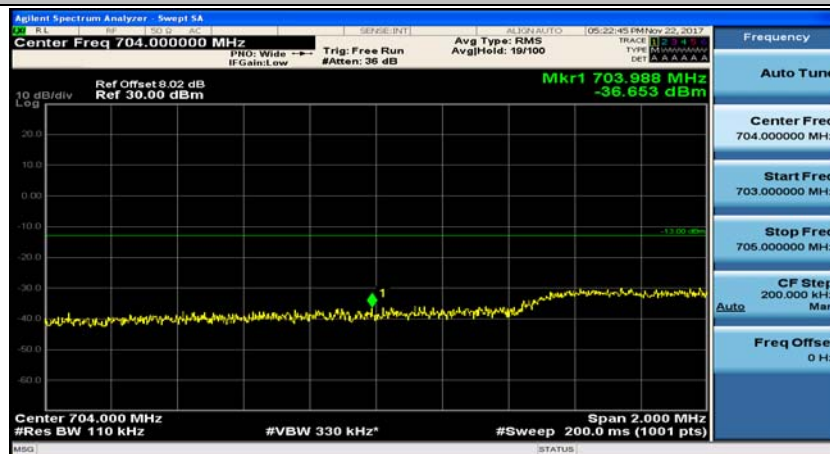
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Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



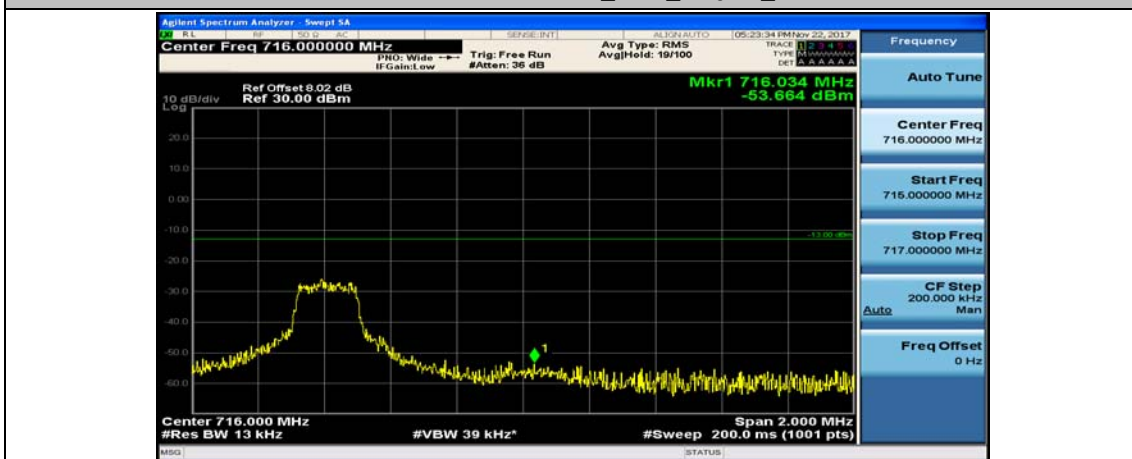
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



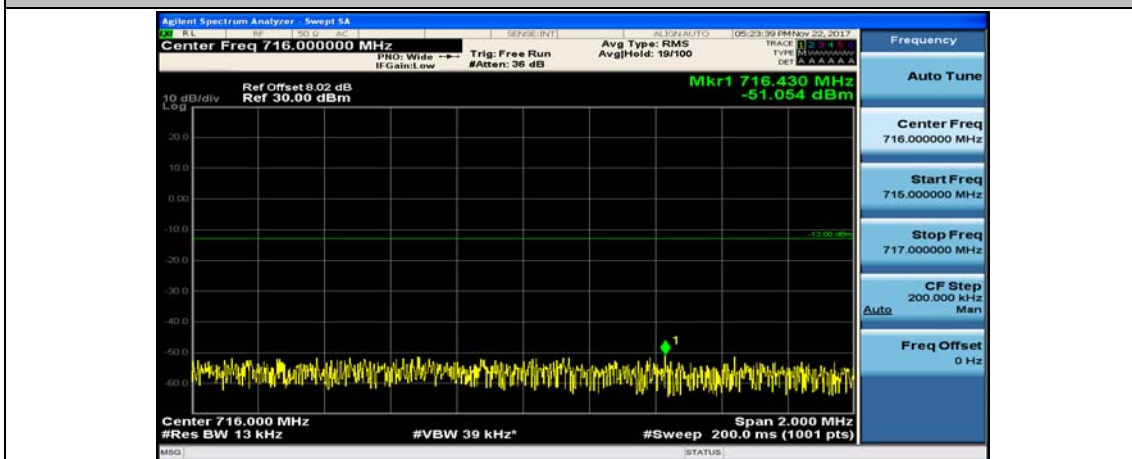
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



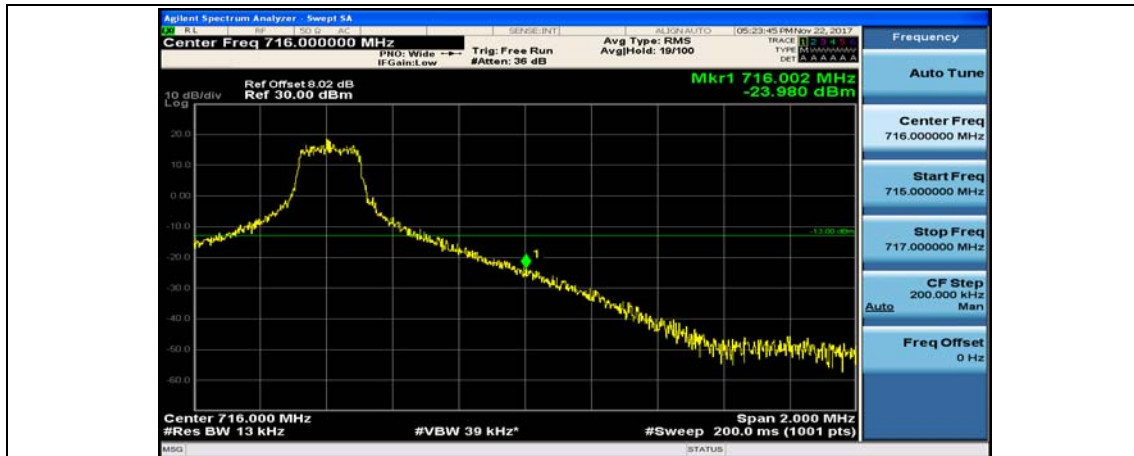
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



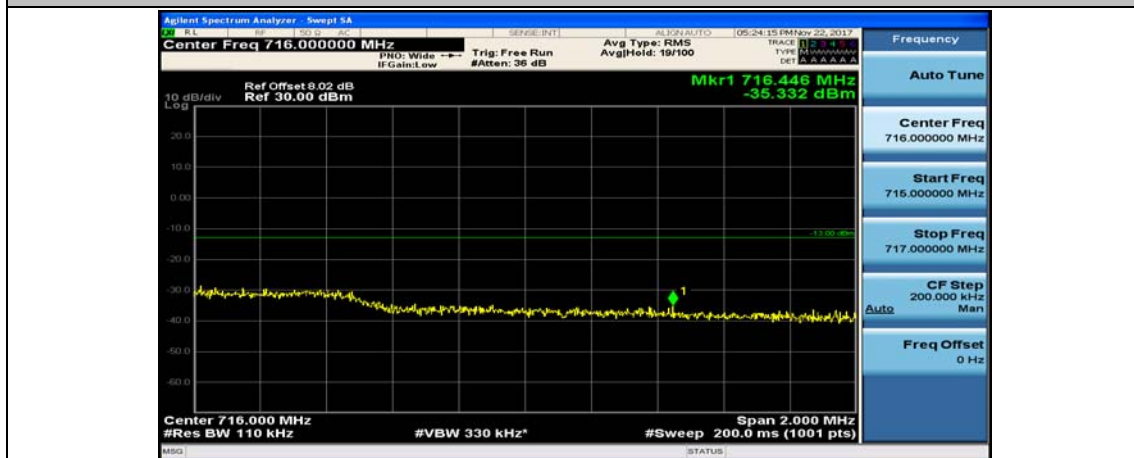
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



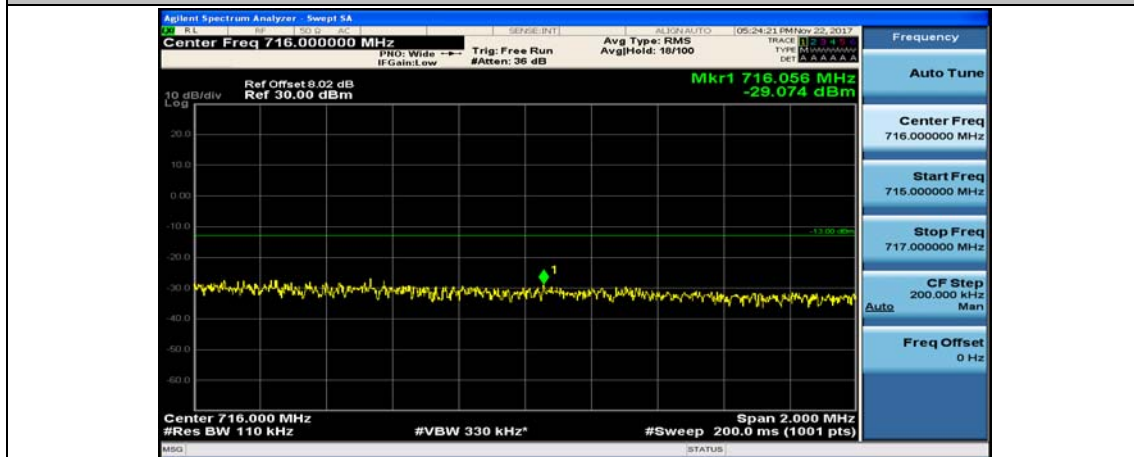
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



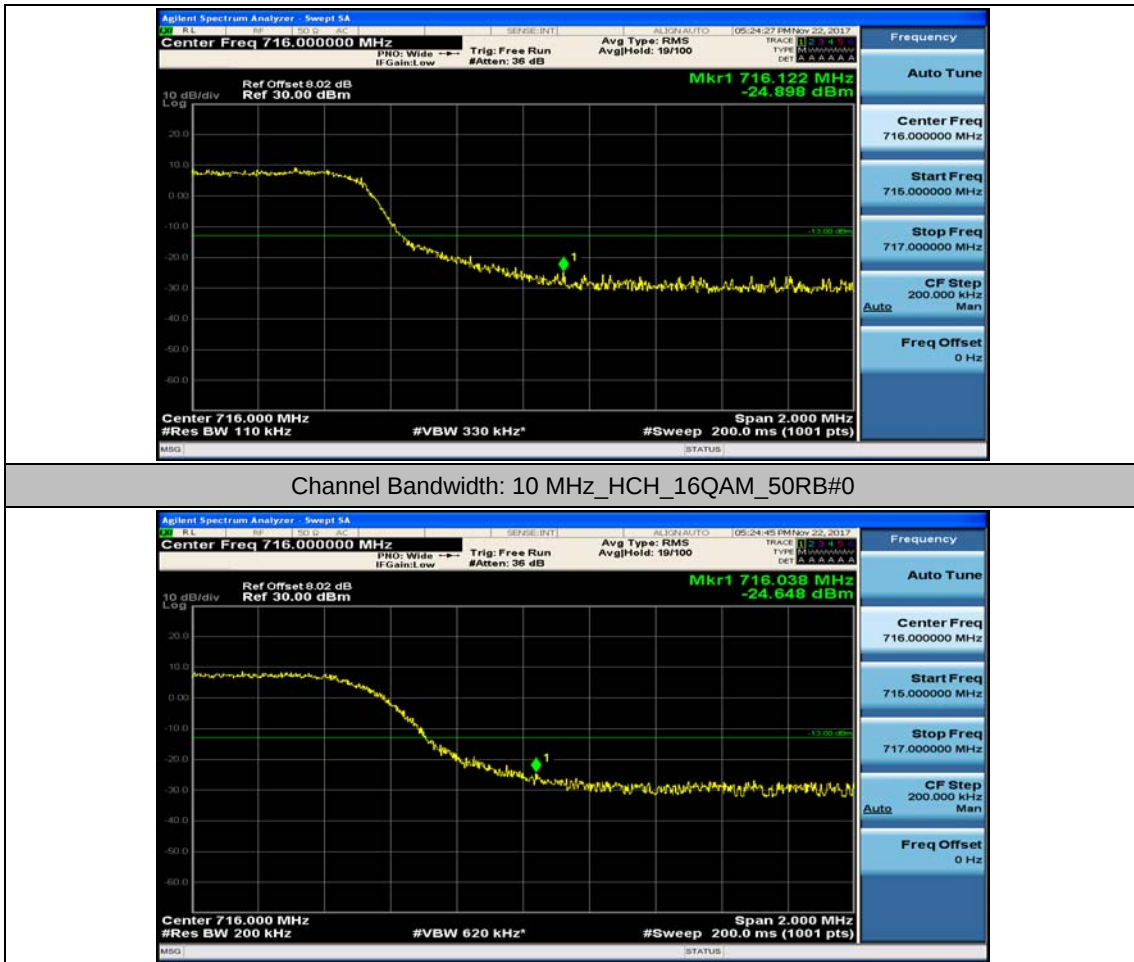
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Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25

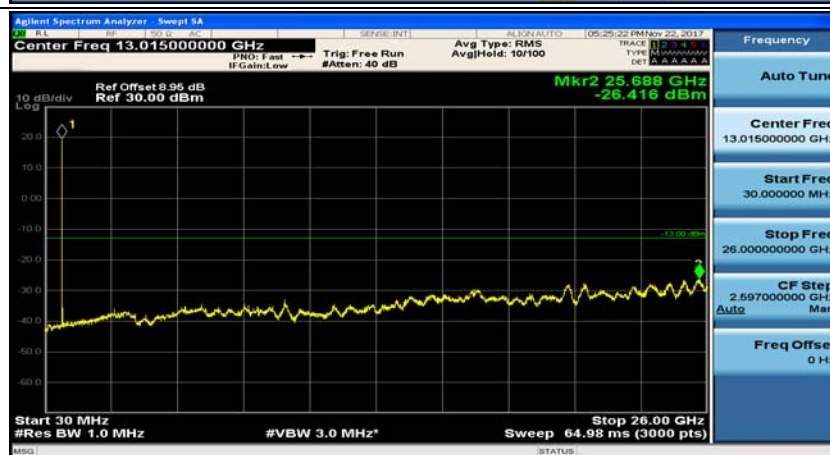
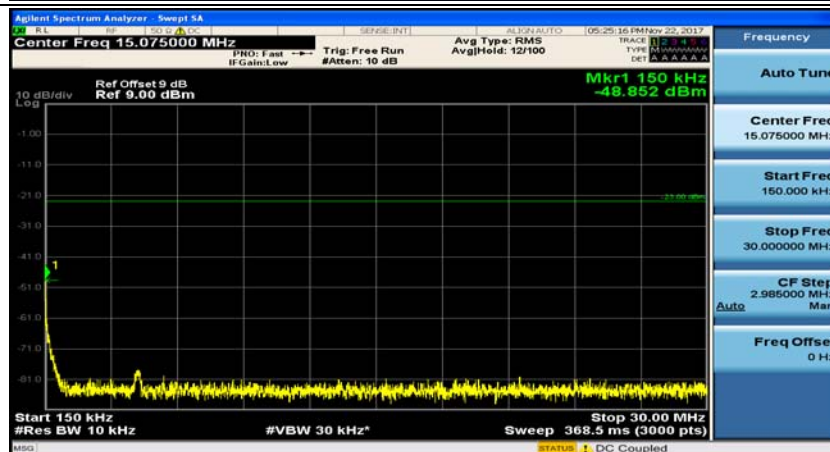
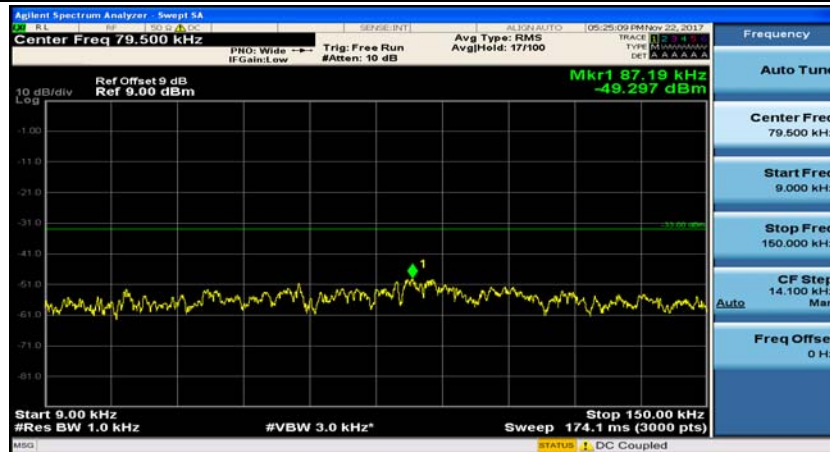


Appendix E: Conducted Spurious Emission

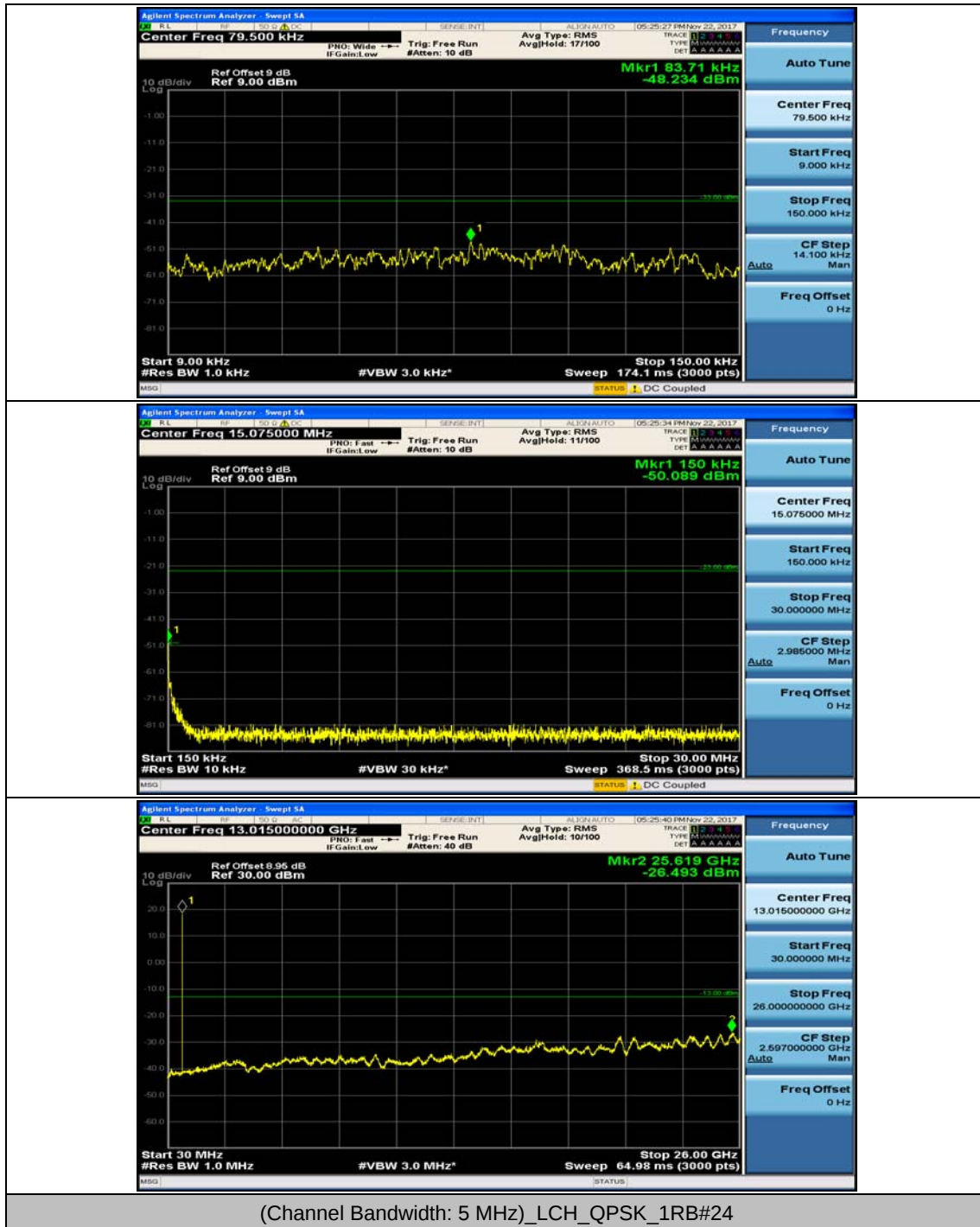
Test Graphs

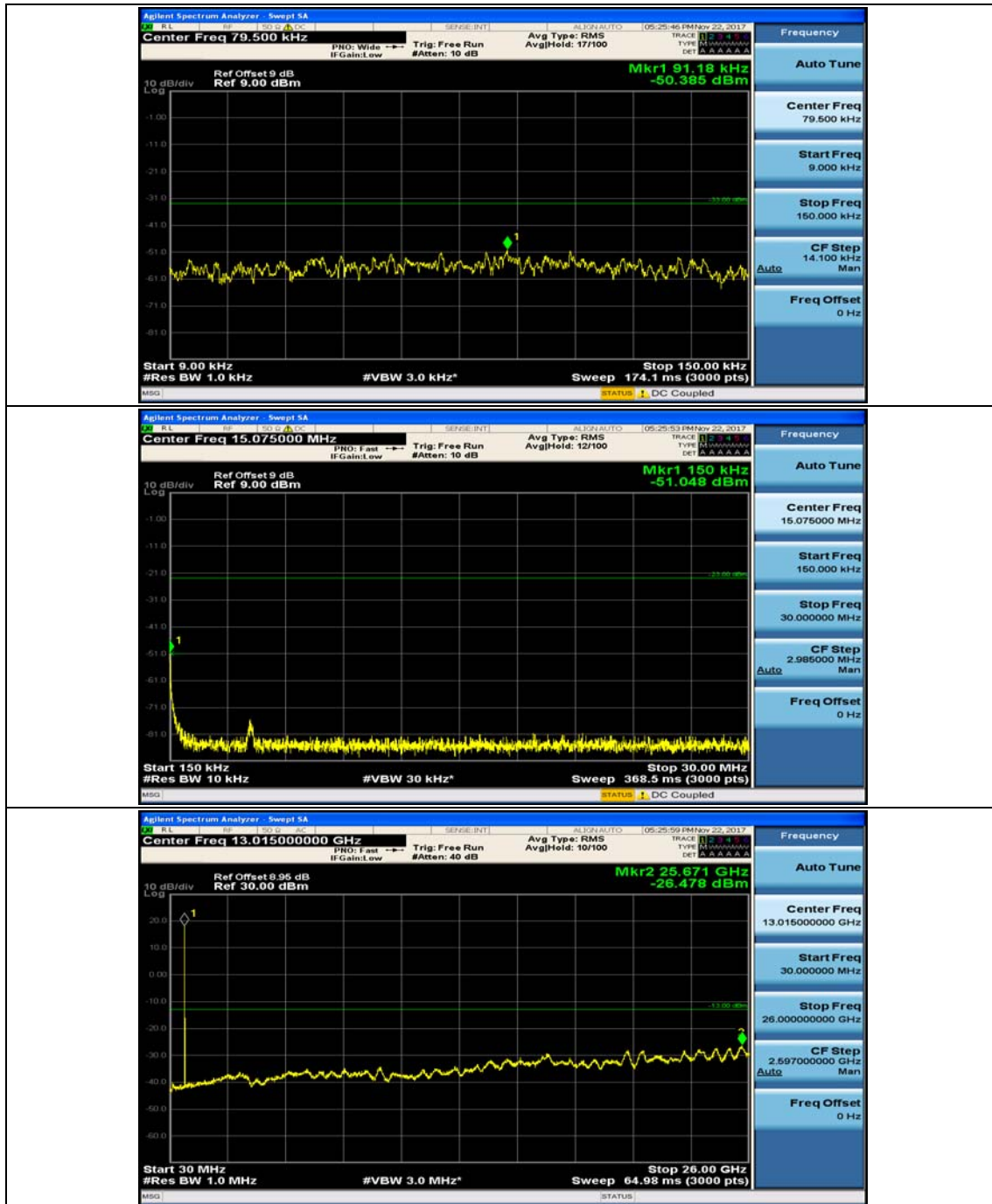
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#0

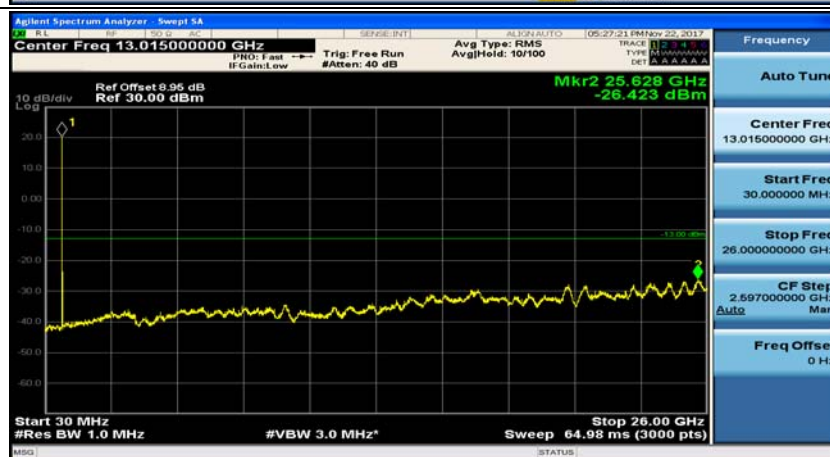
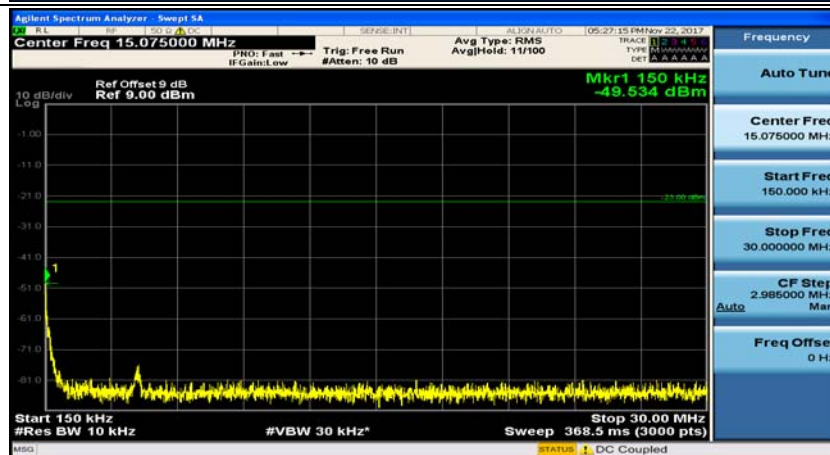
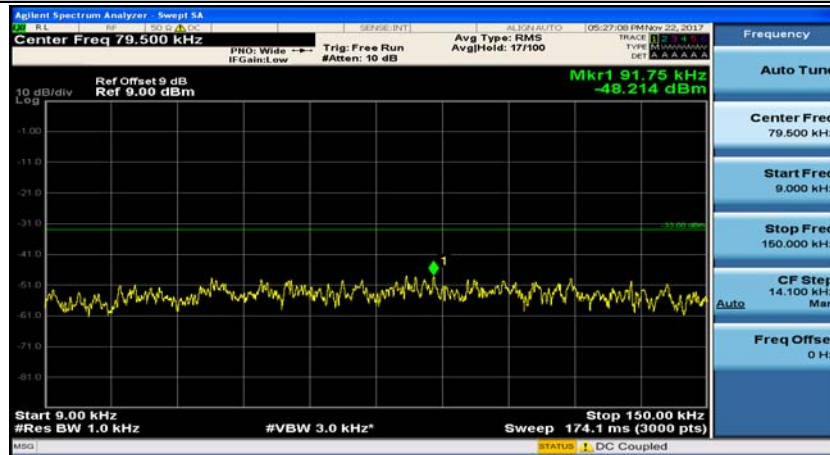


(Channel Bandwidth: 5 MHz)_LCH_QPSK_1RB#12

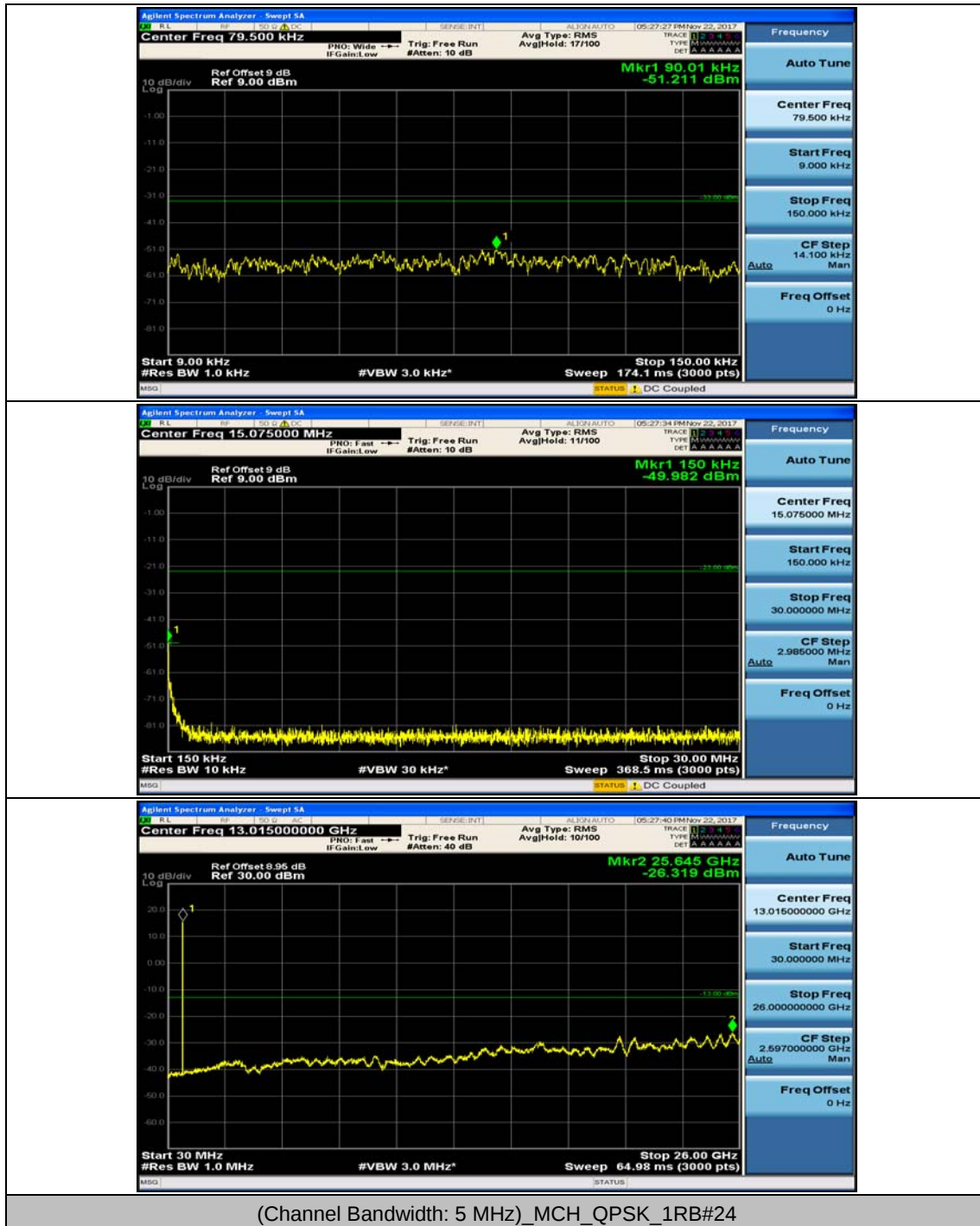


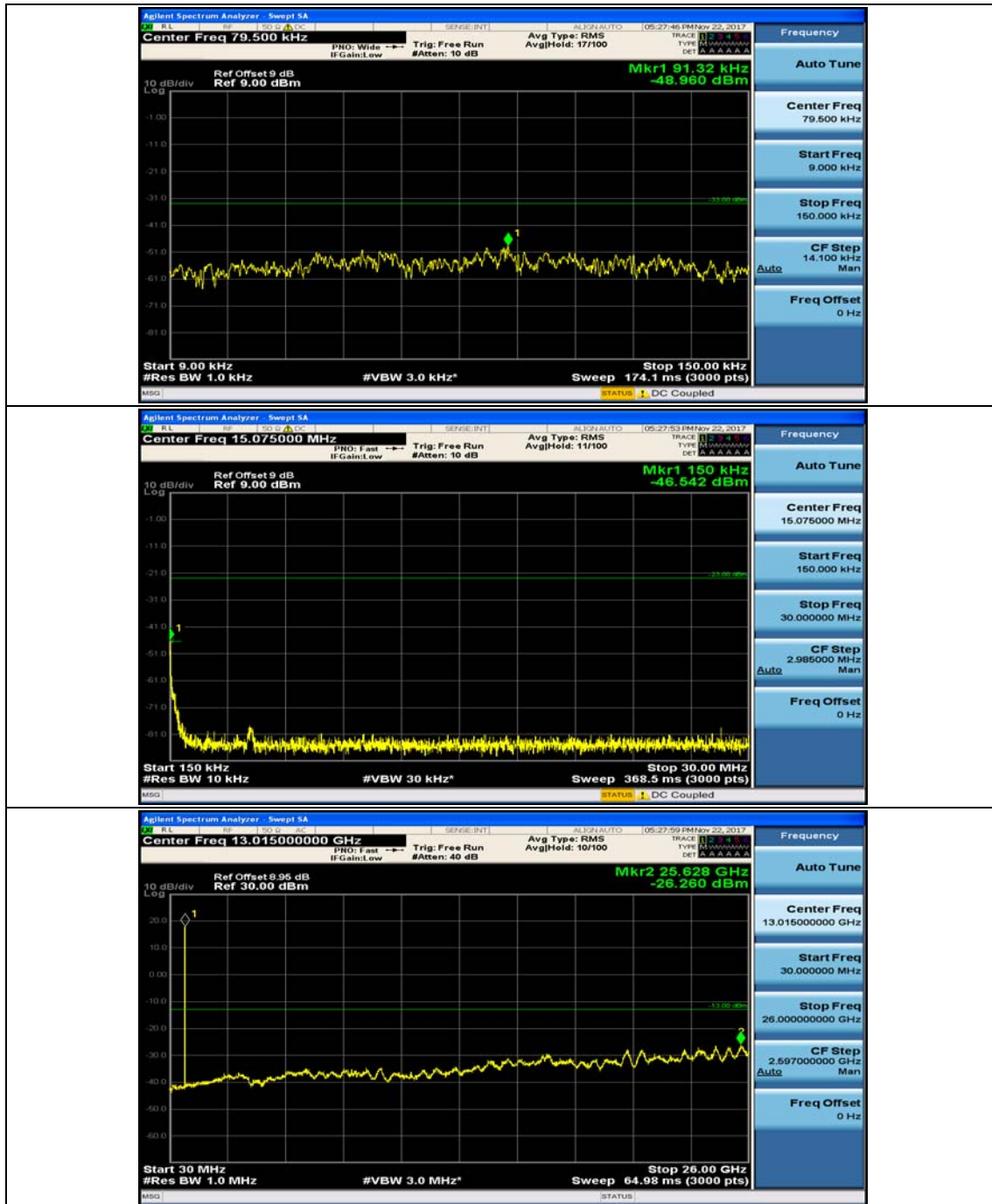


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

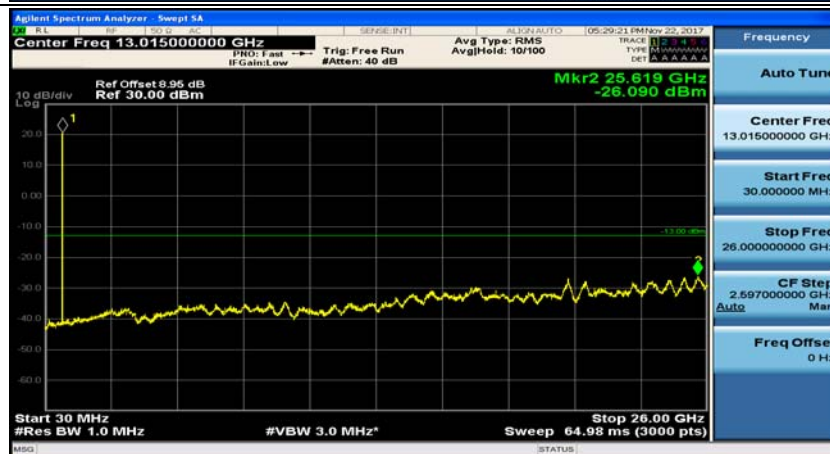
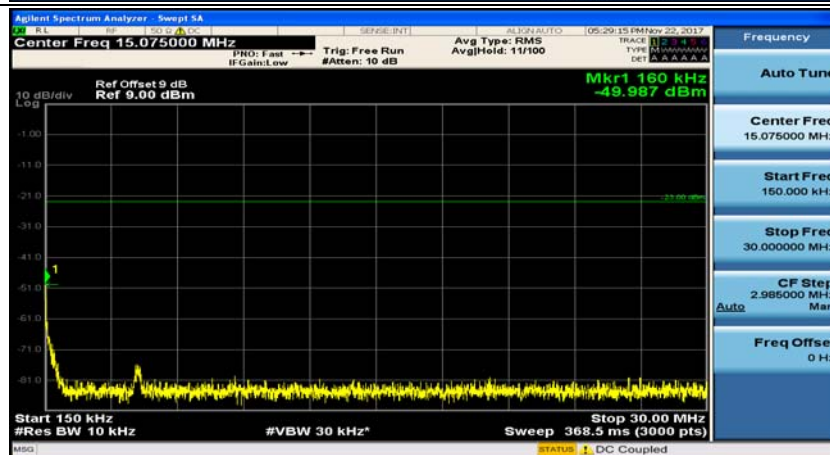
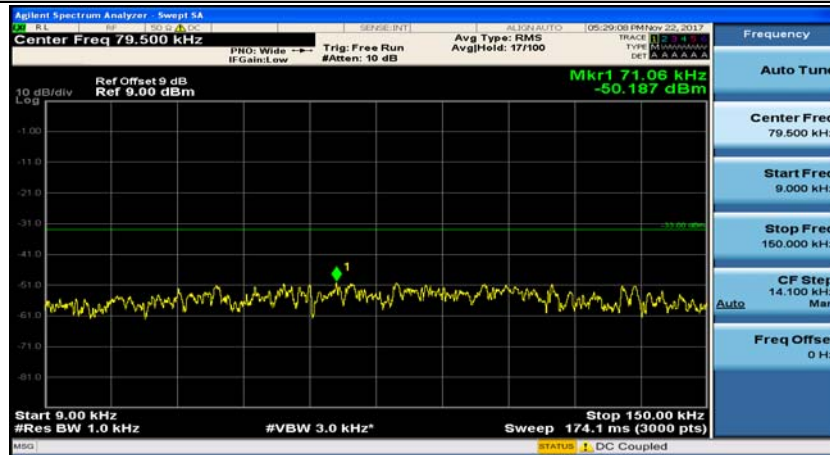


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

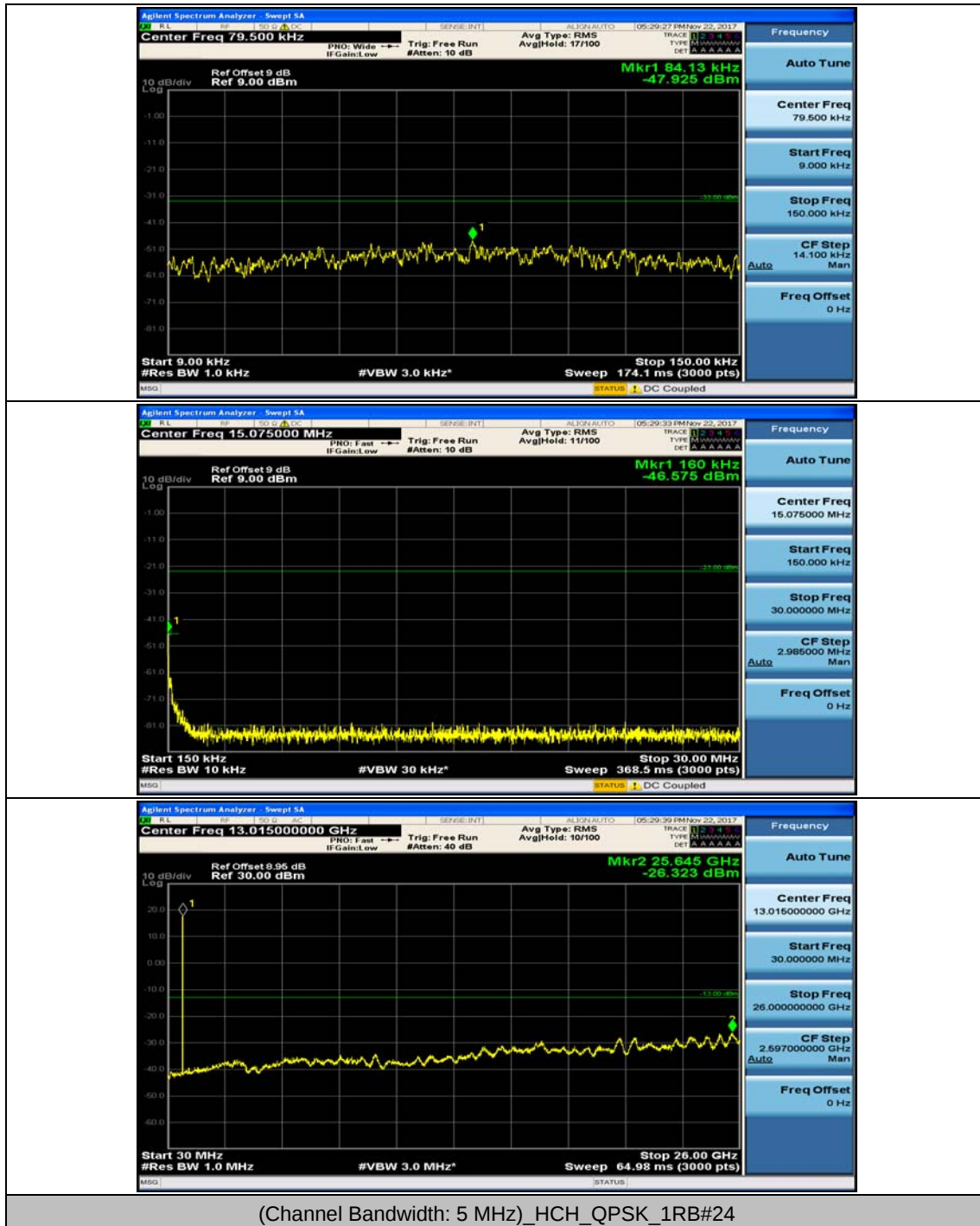


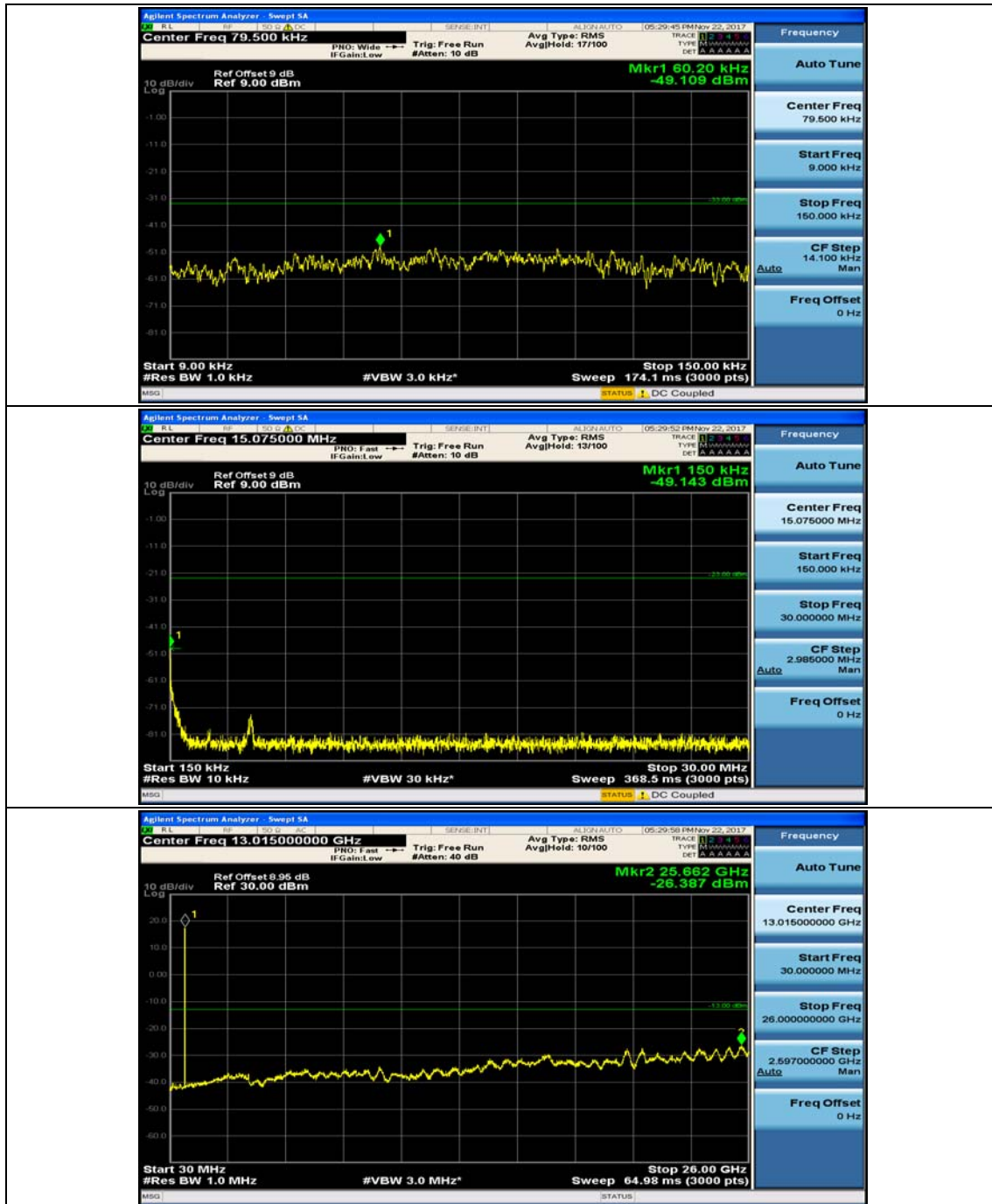


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

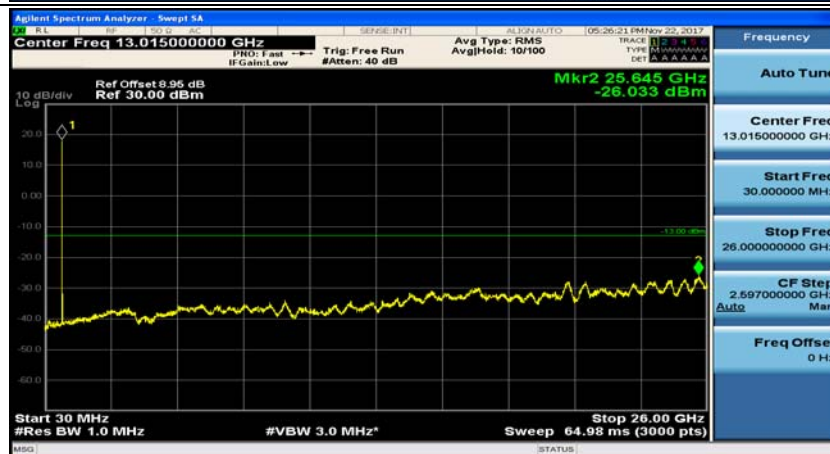
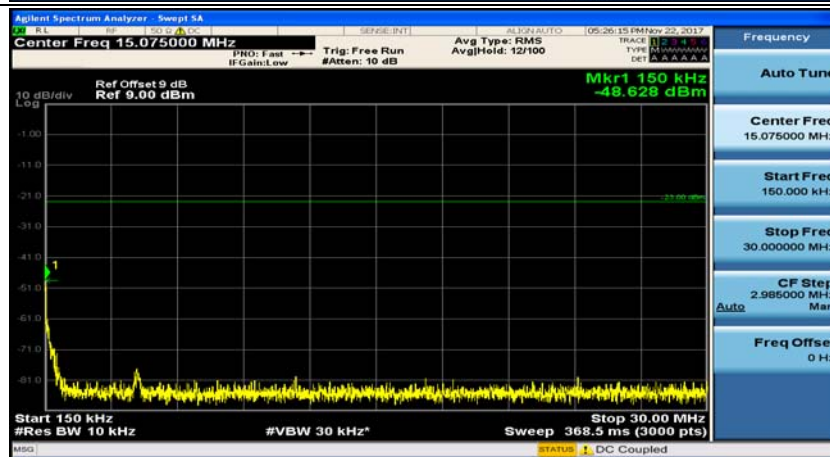
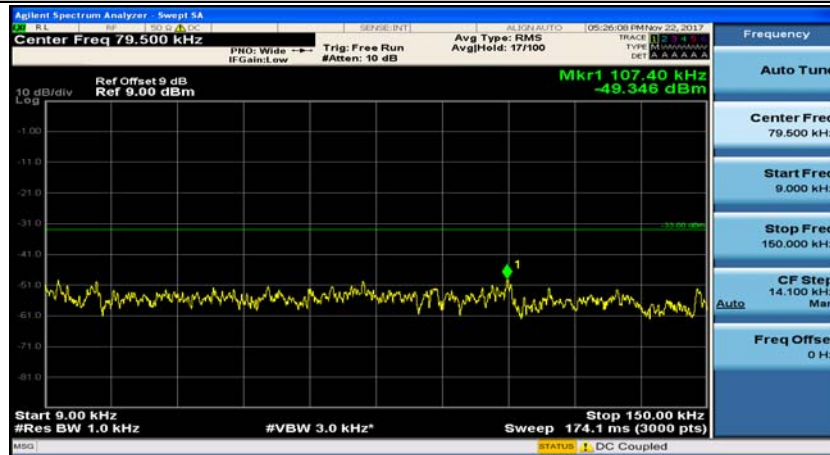


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

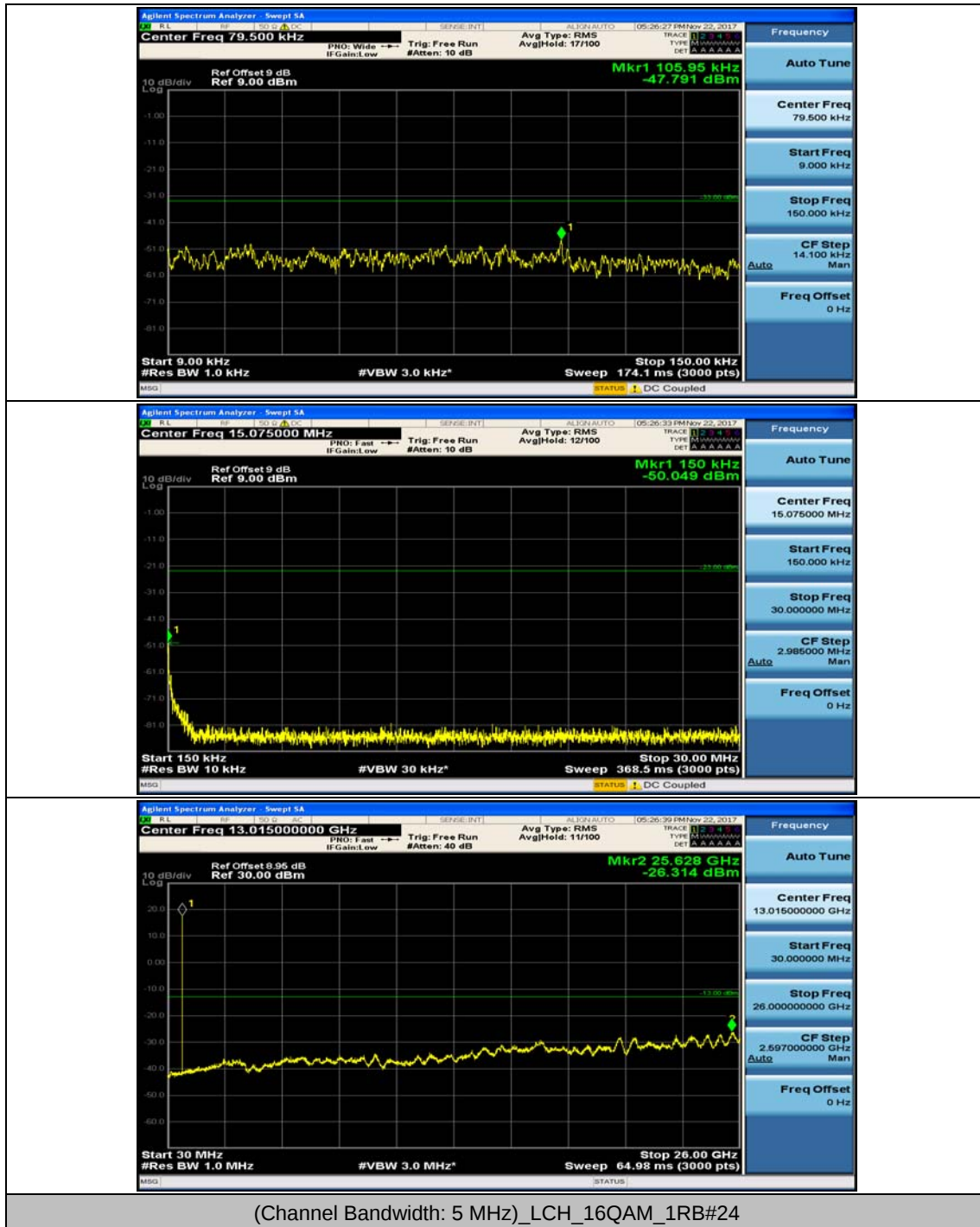


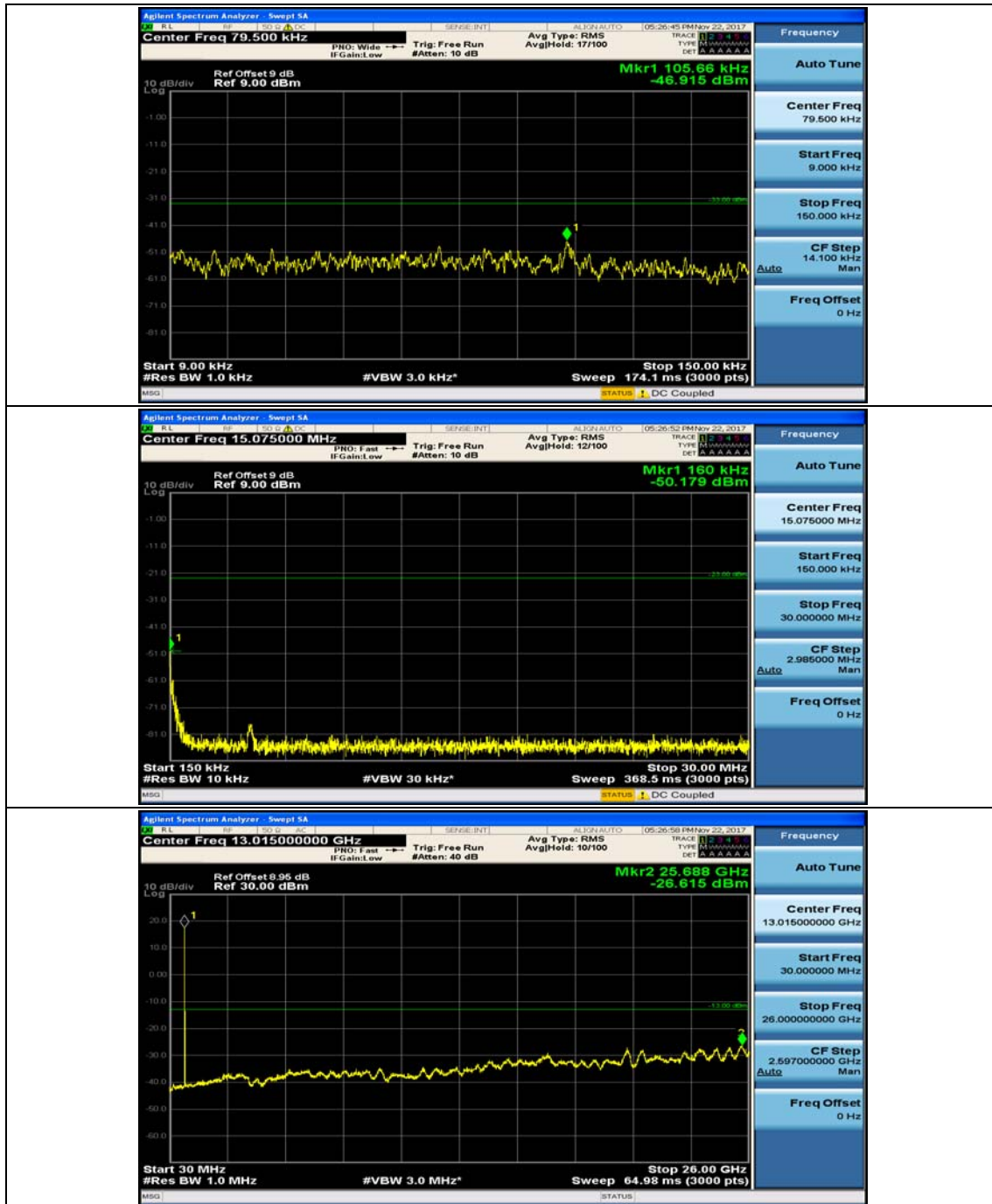


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

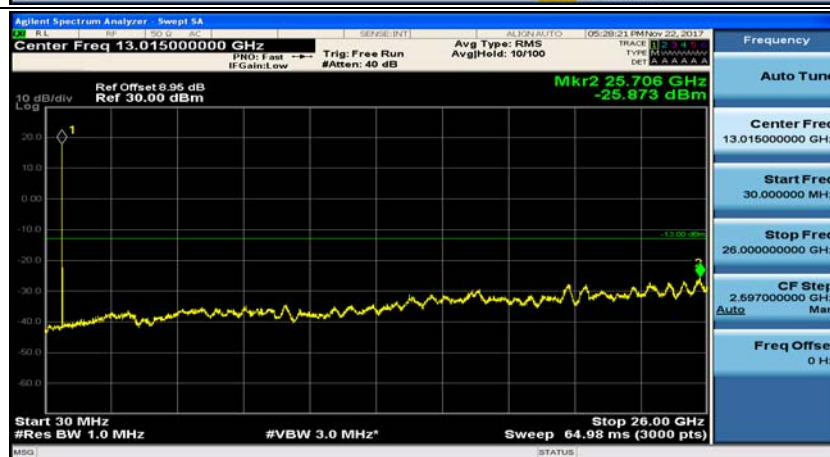
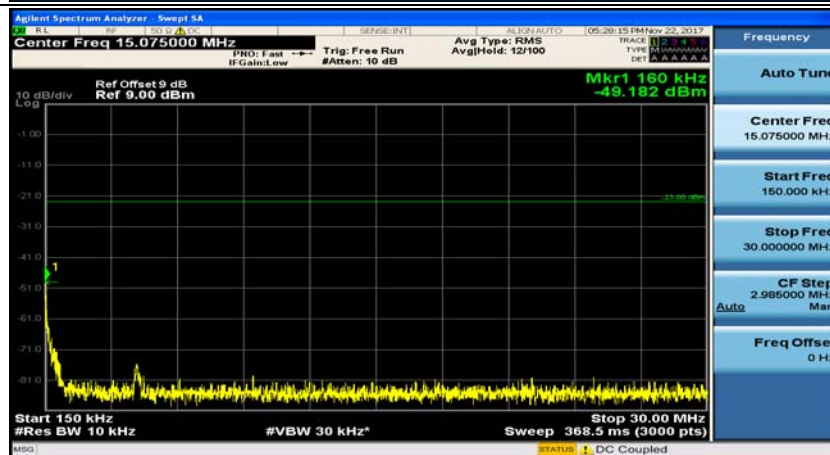
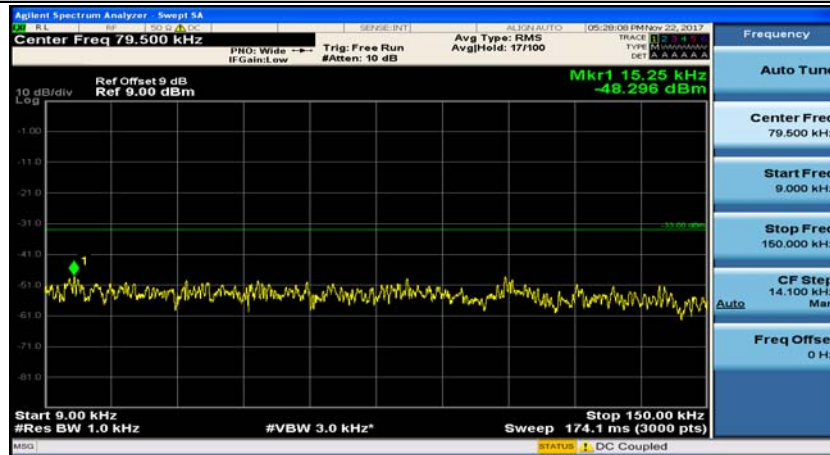


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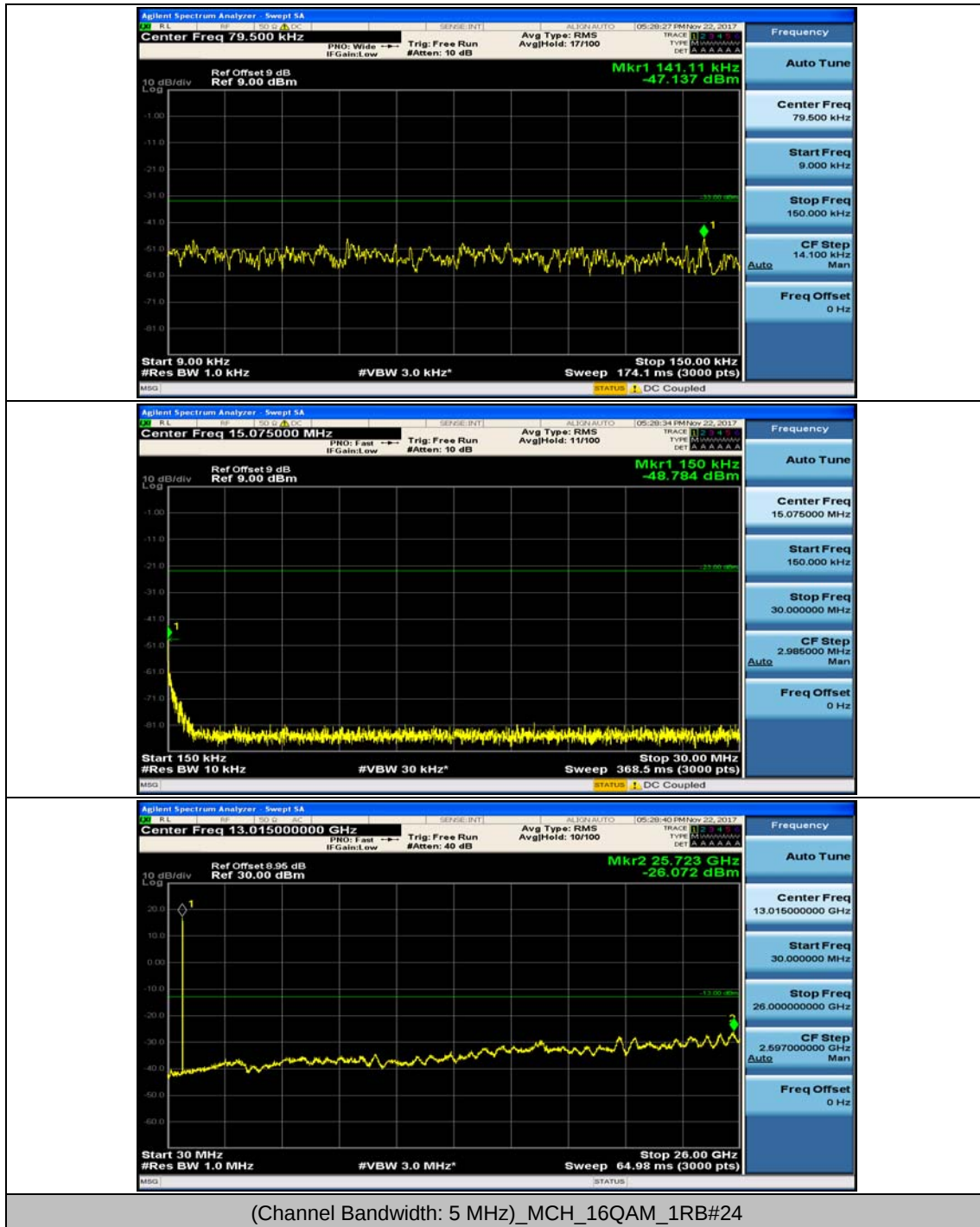


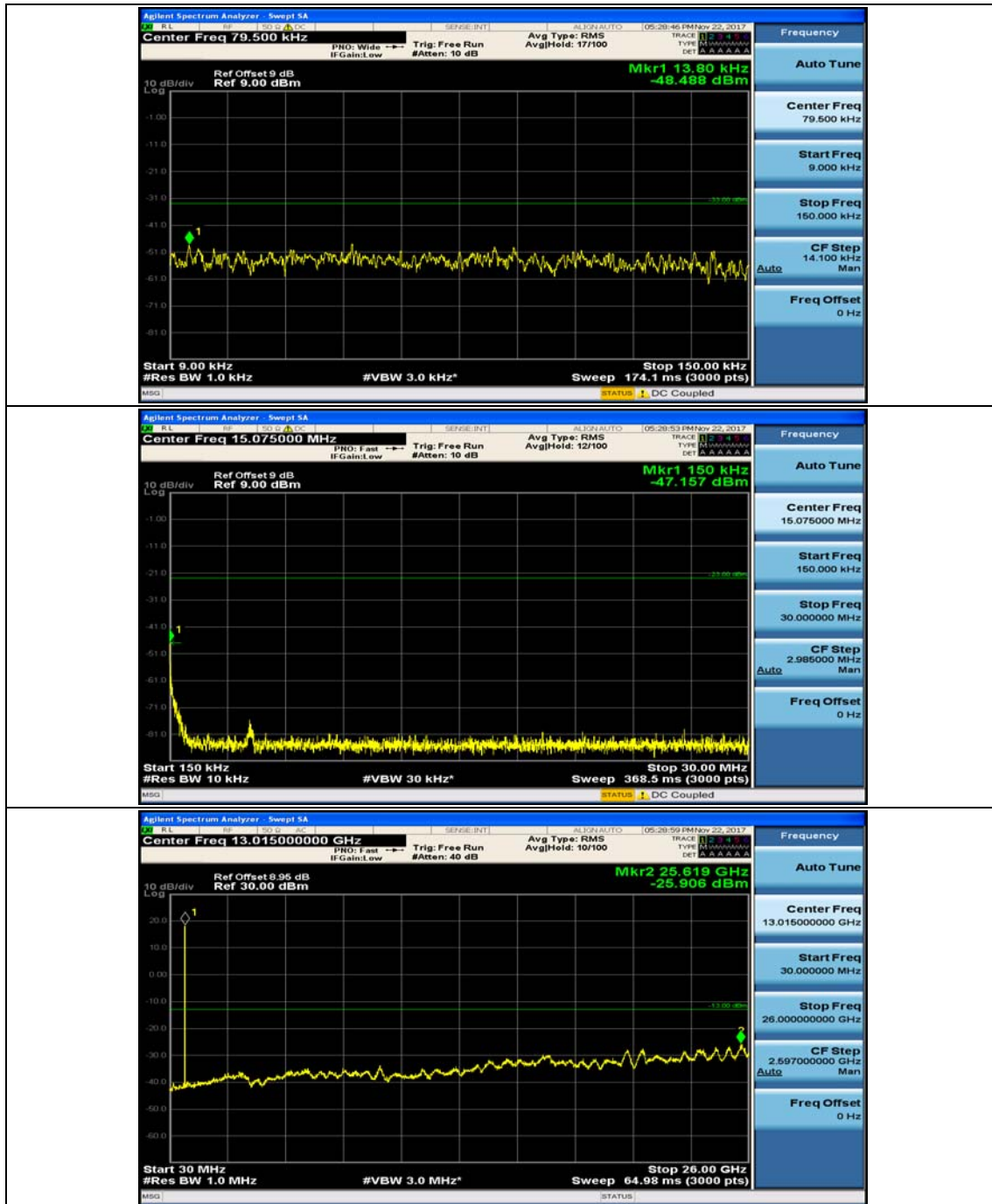


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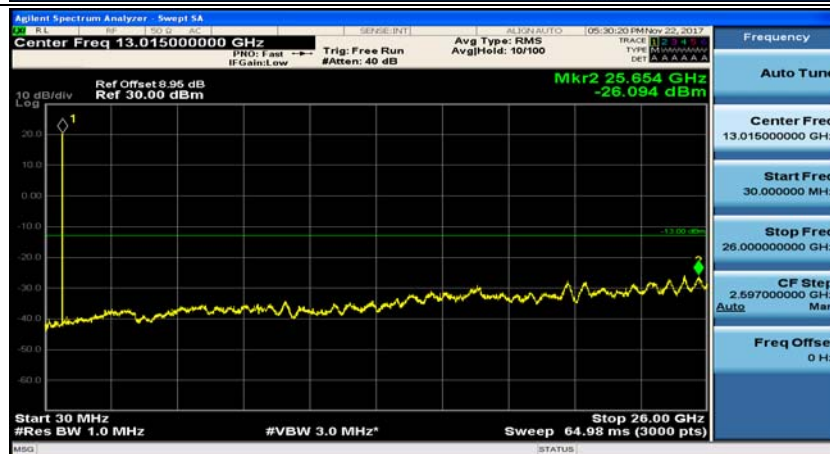
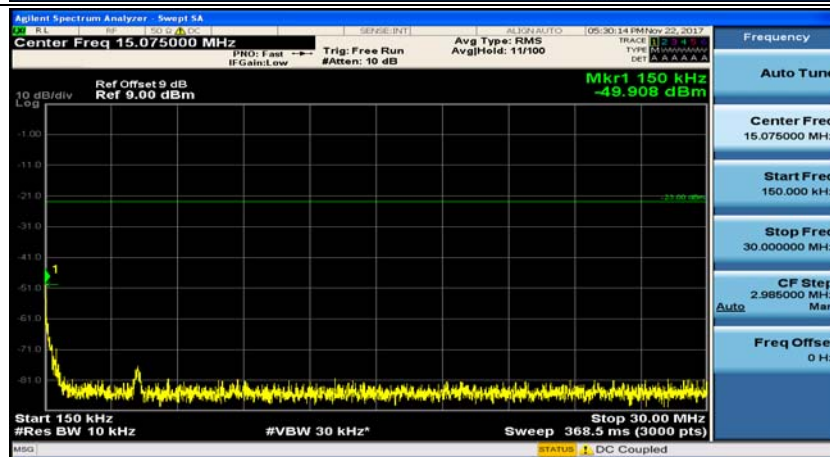
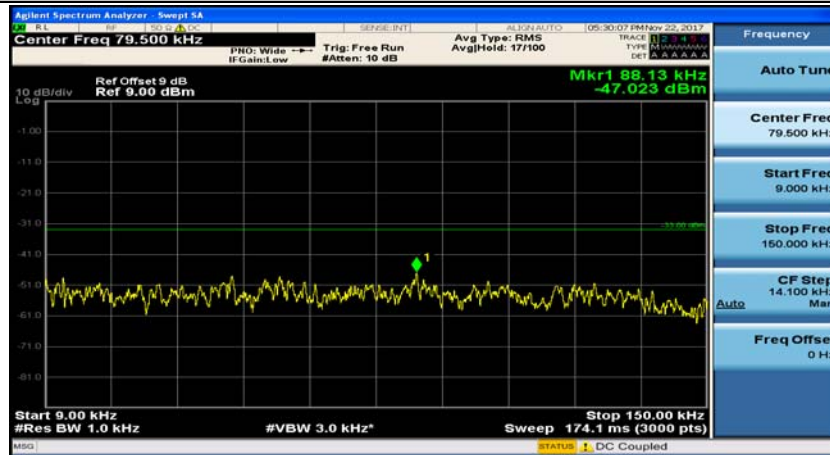


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

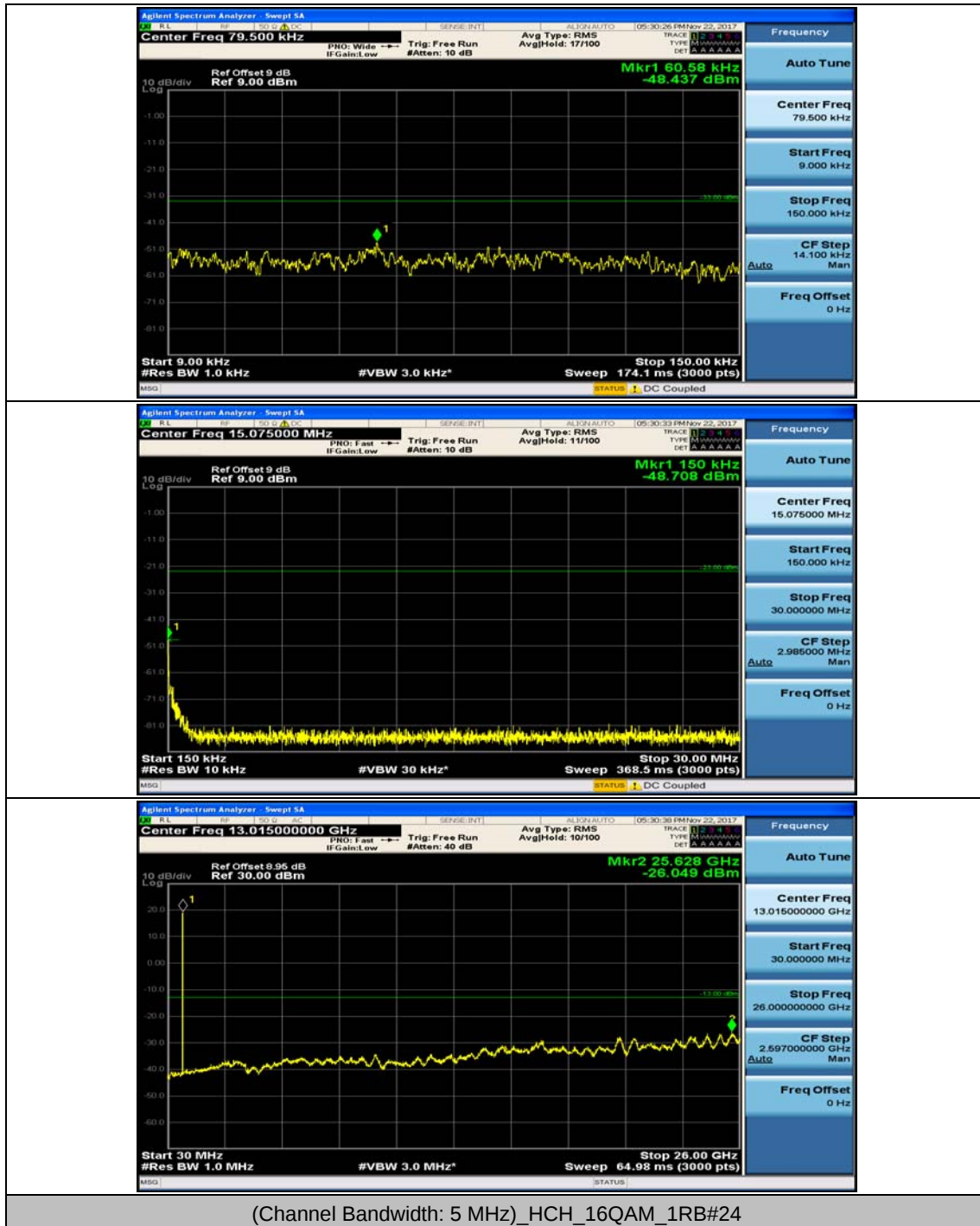


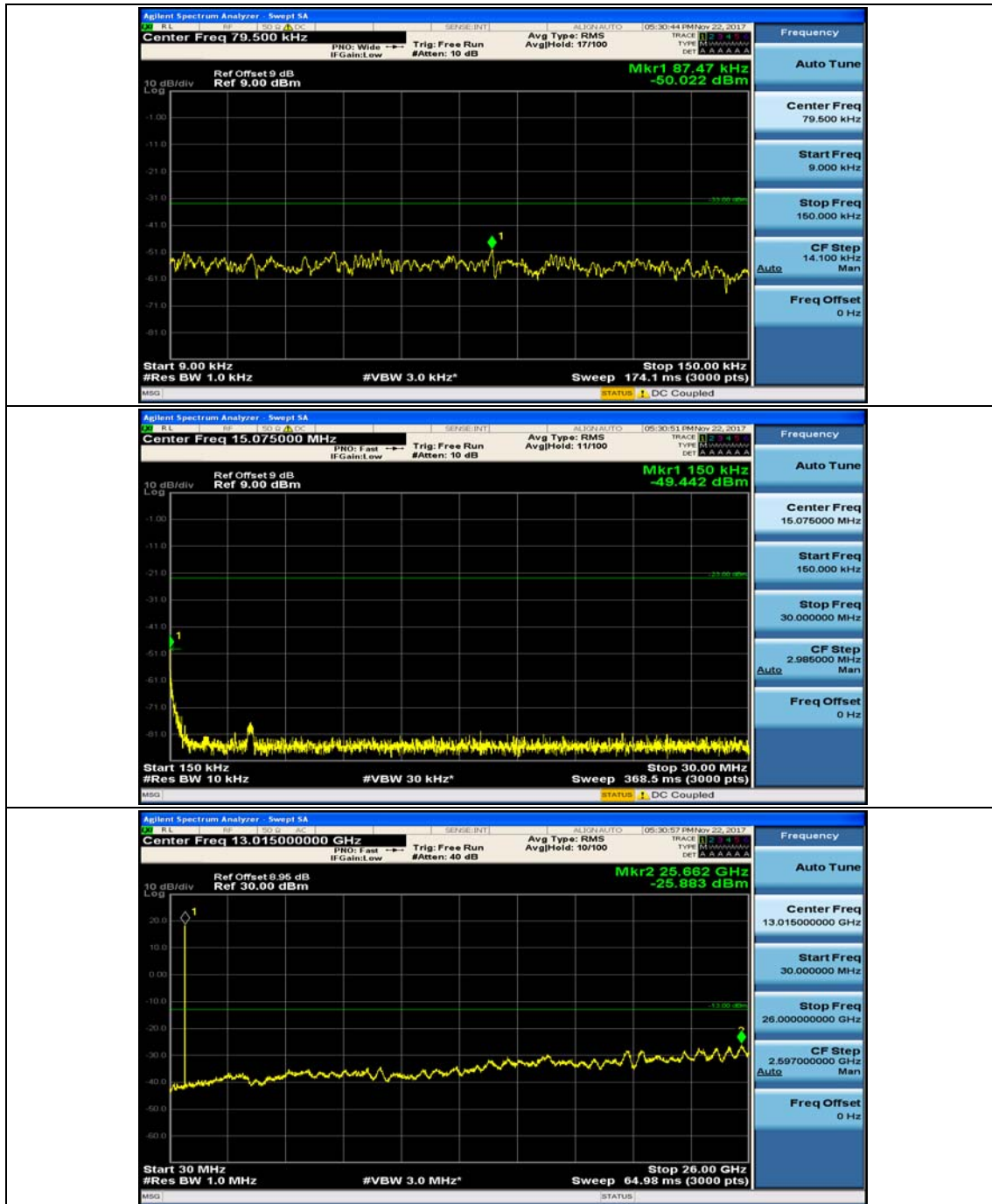


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

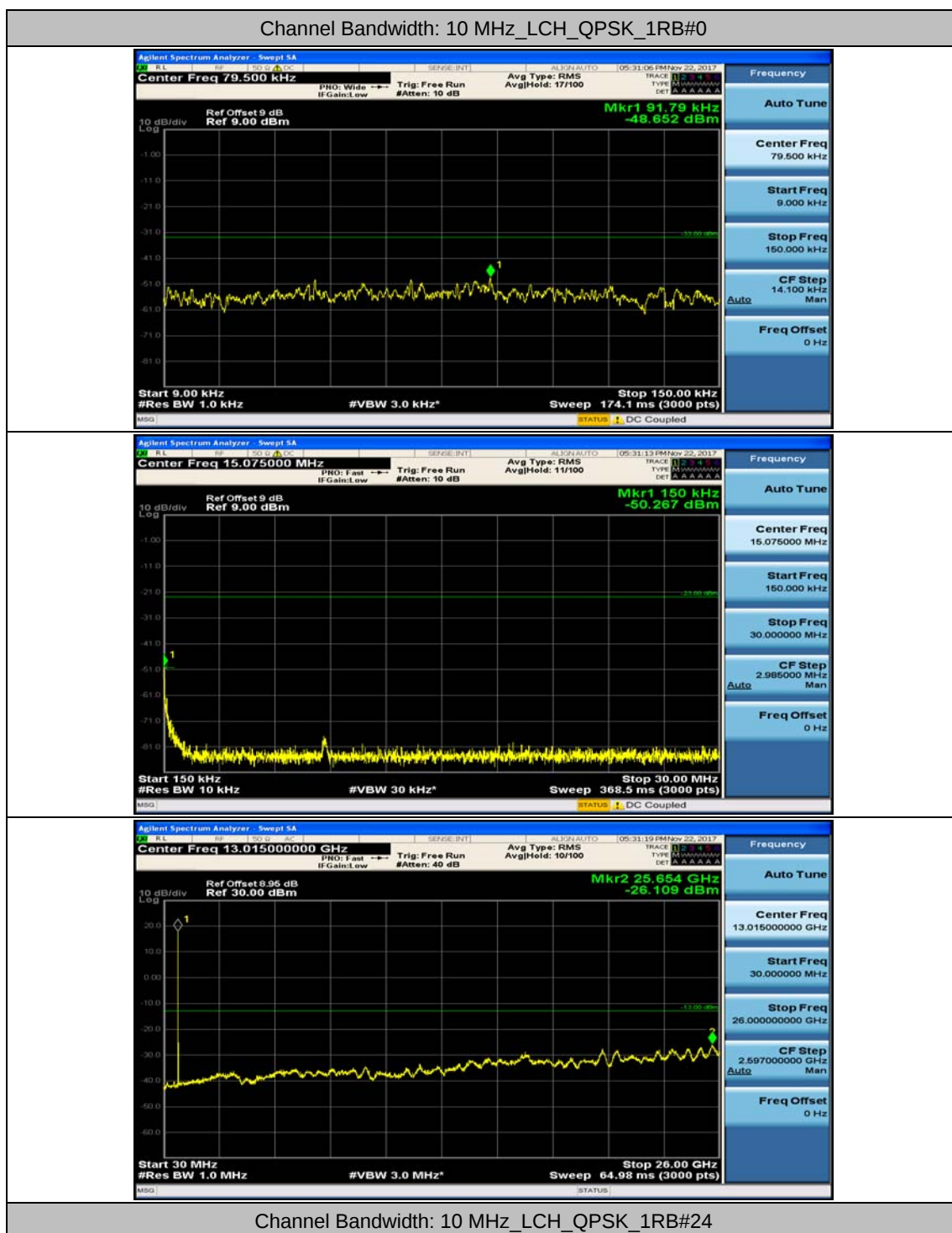


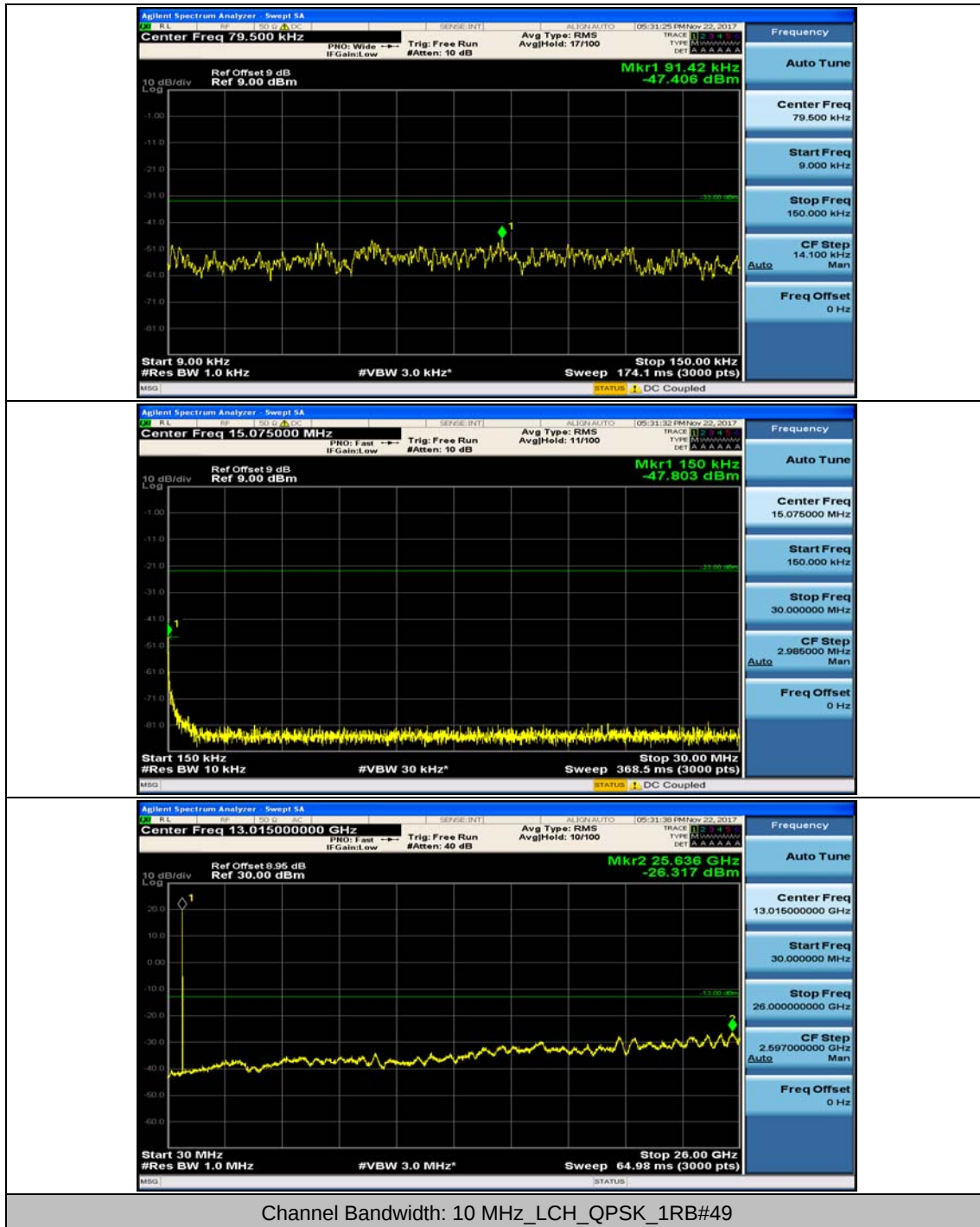
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

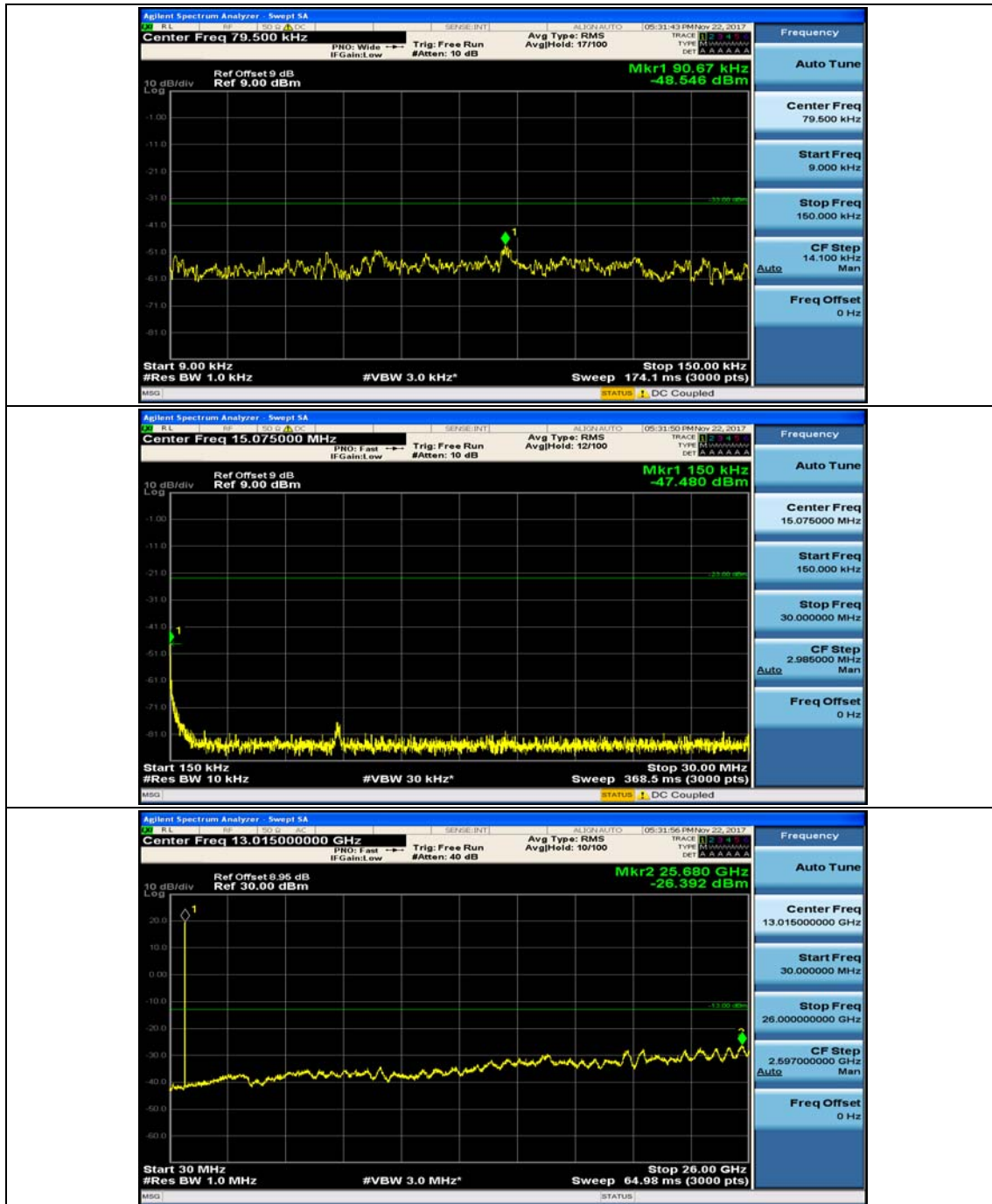




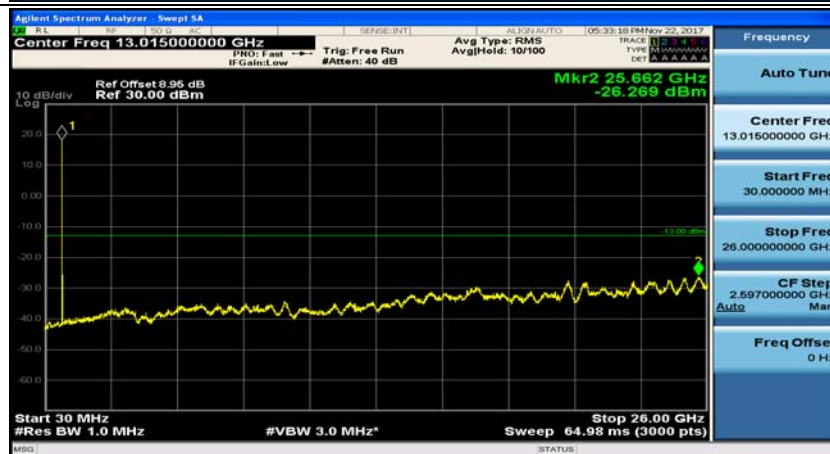
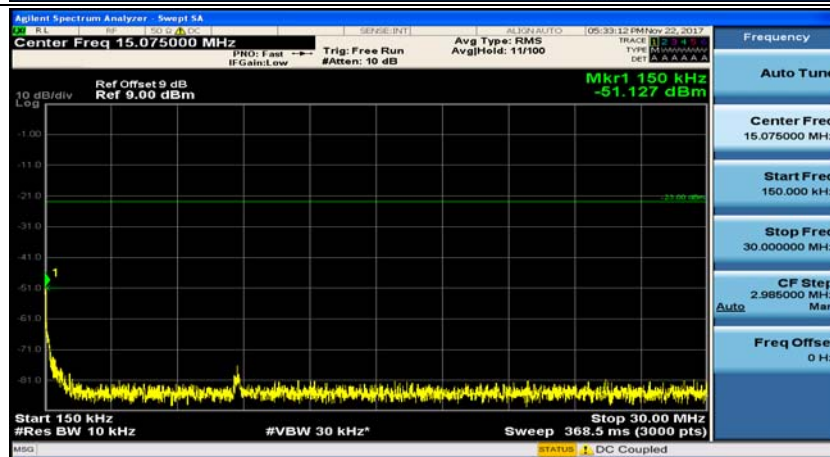
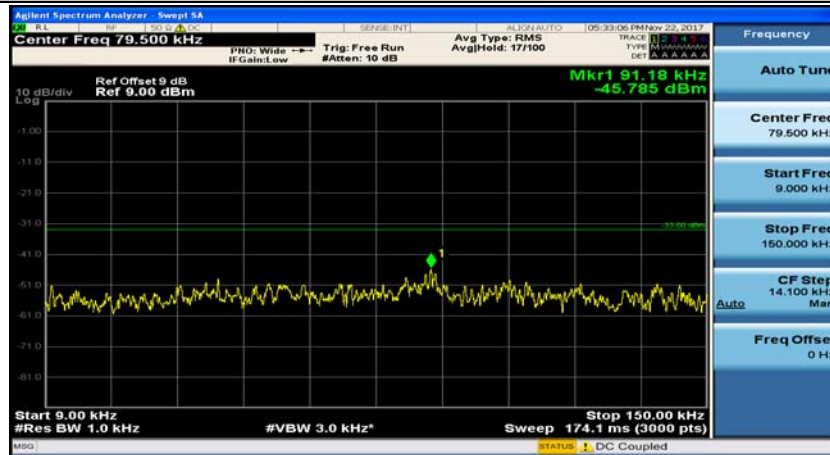
Channel Bandwidth: 10 MHz



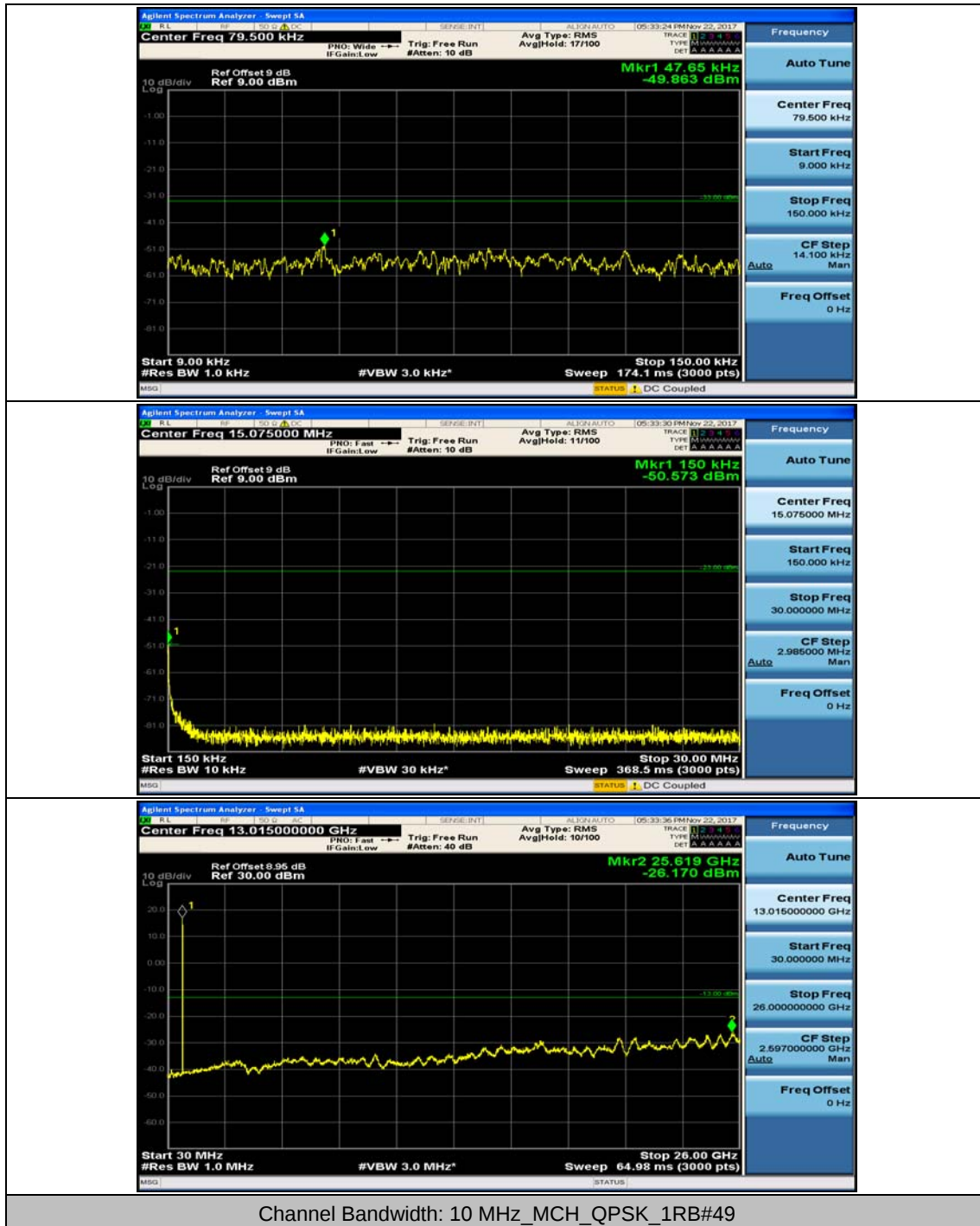


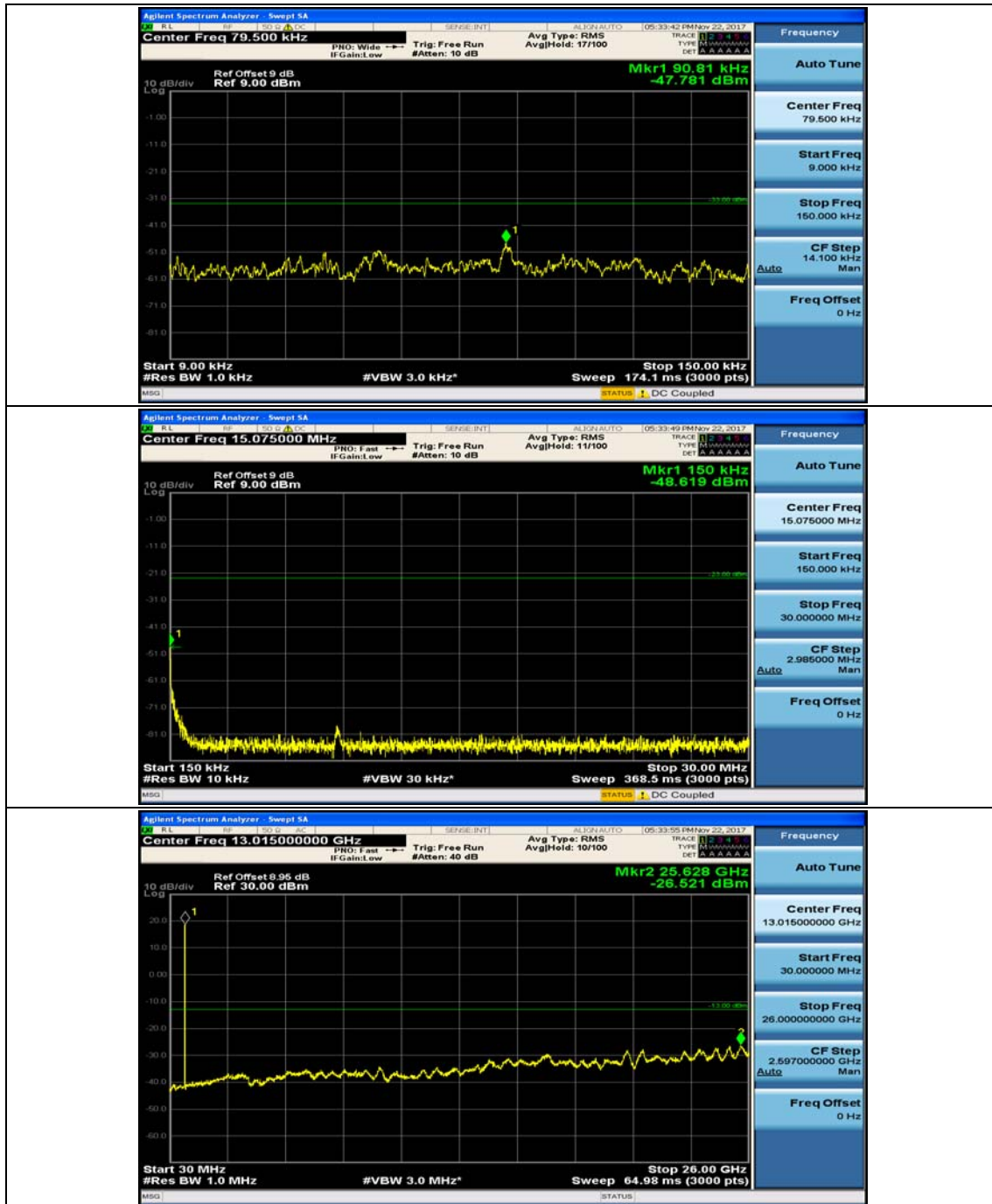


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

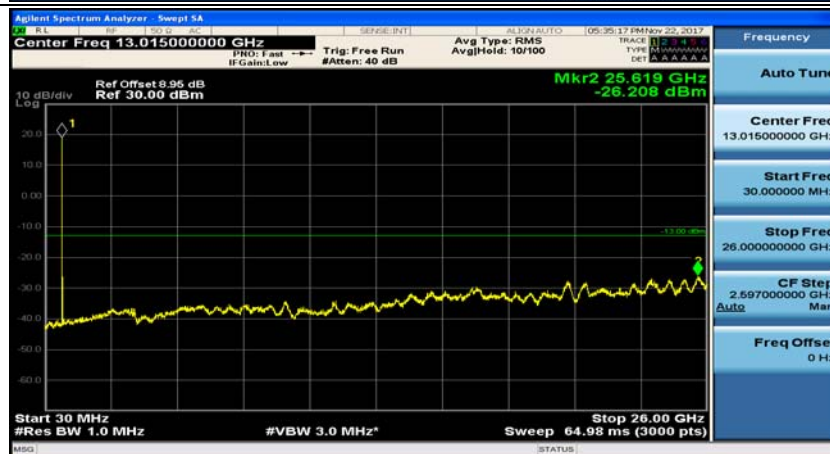
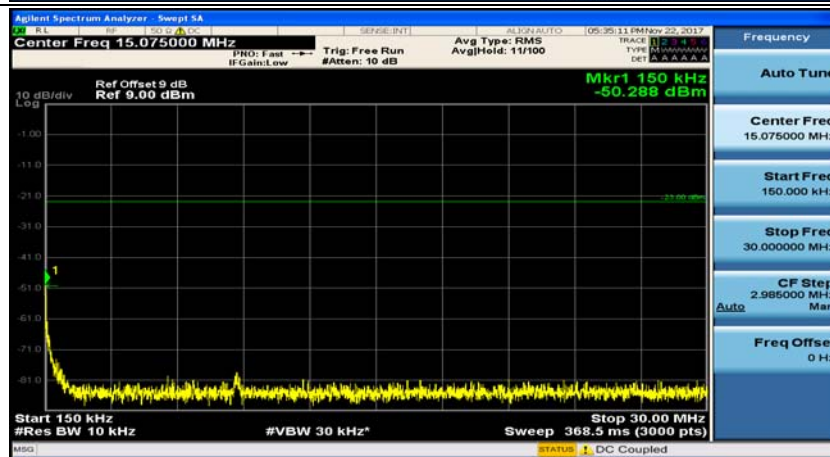
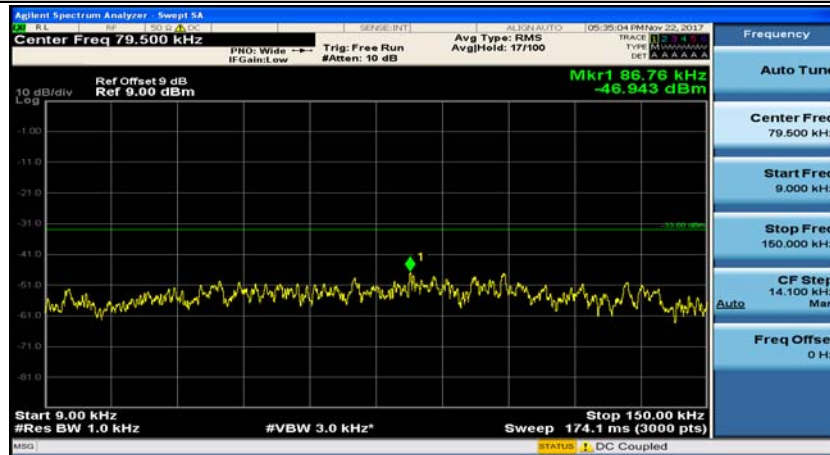


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

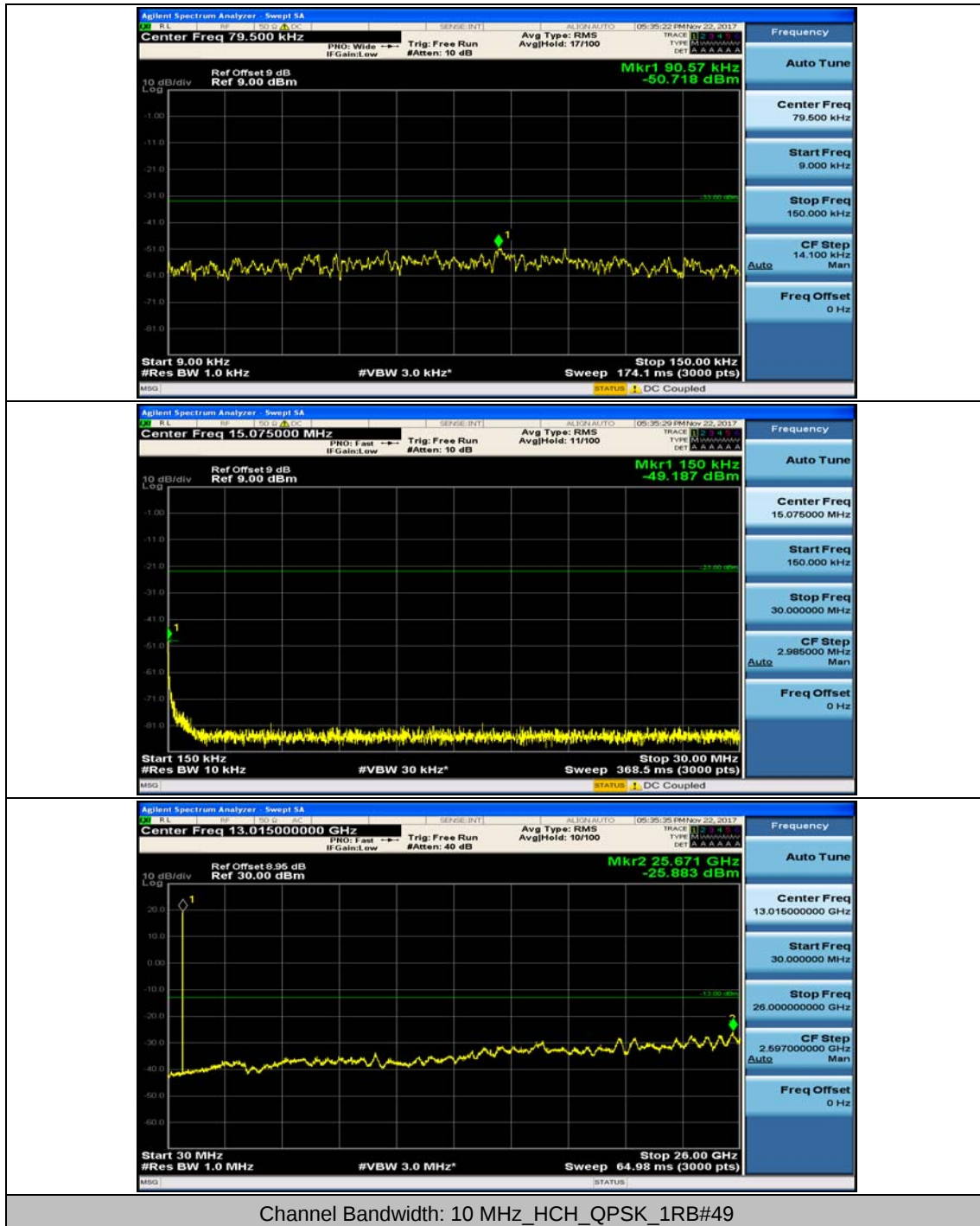


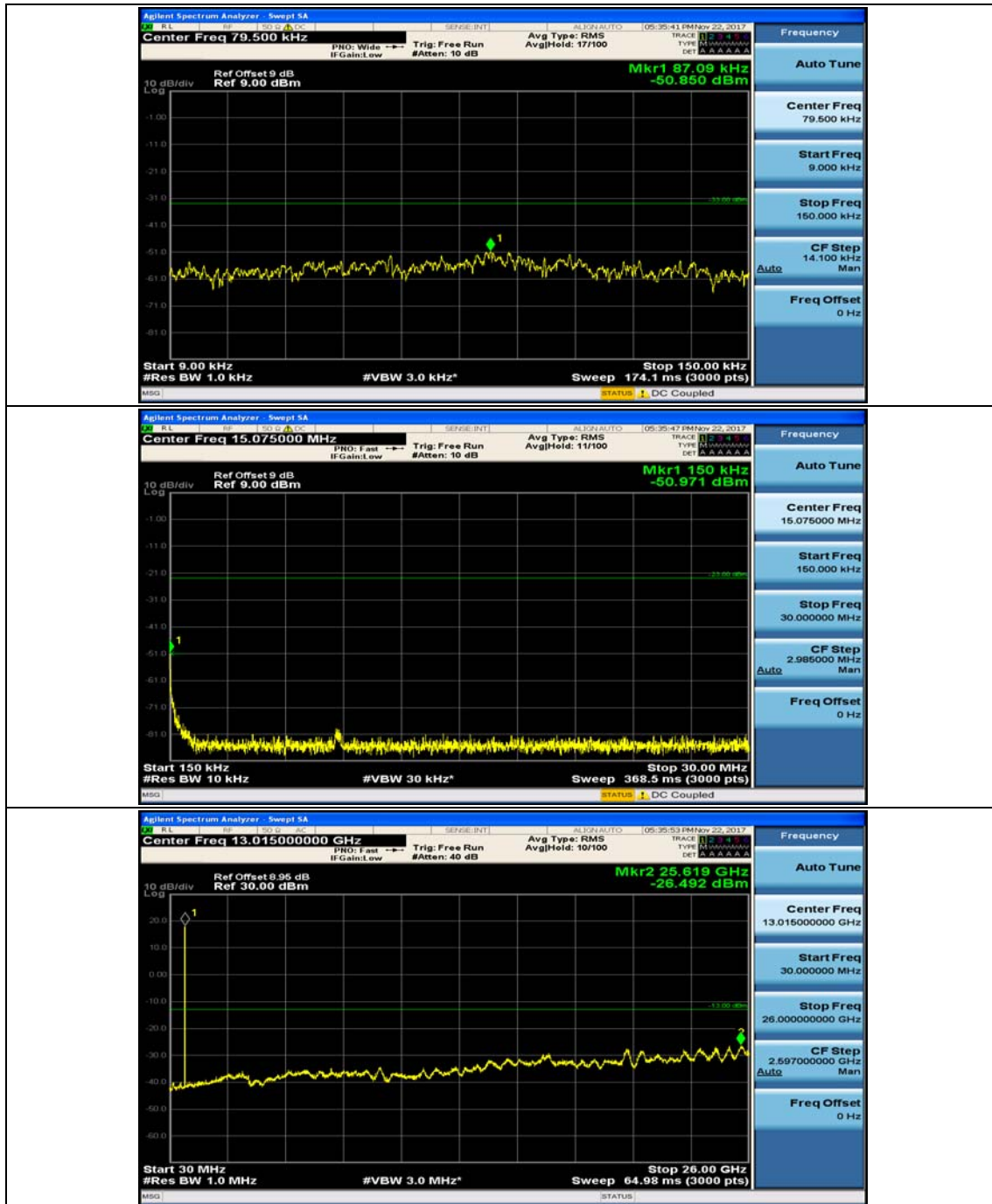


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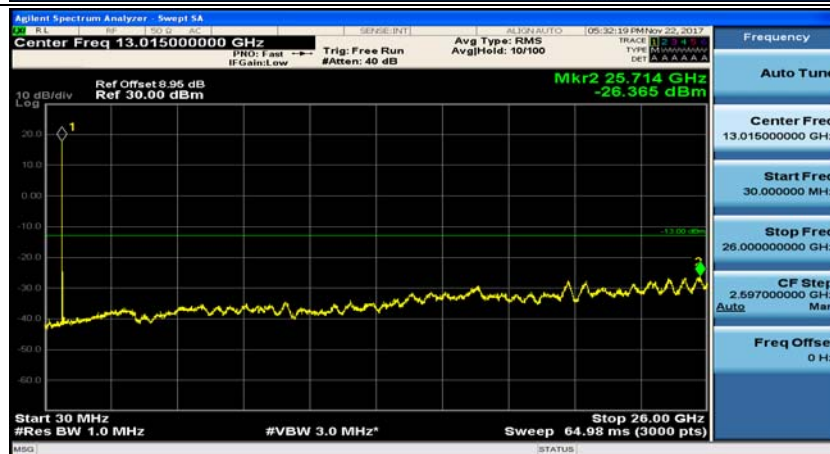
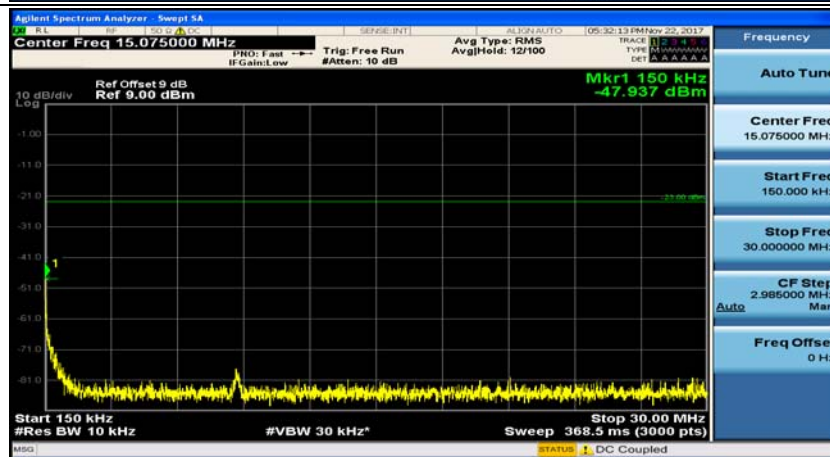
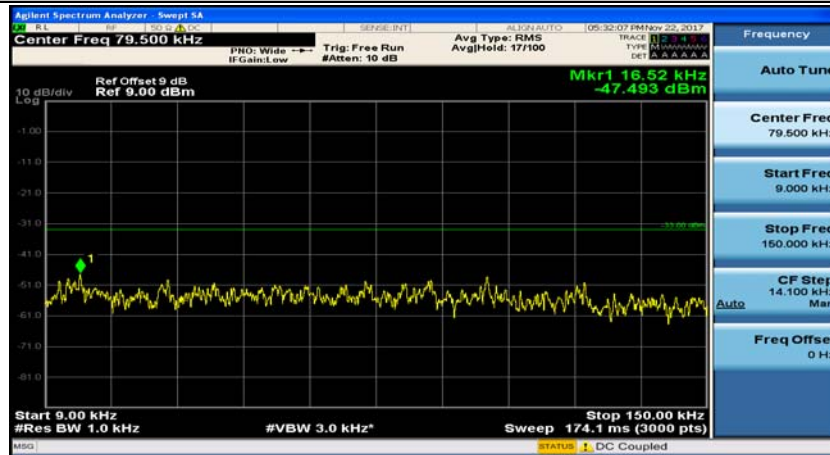


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

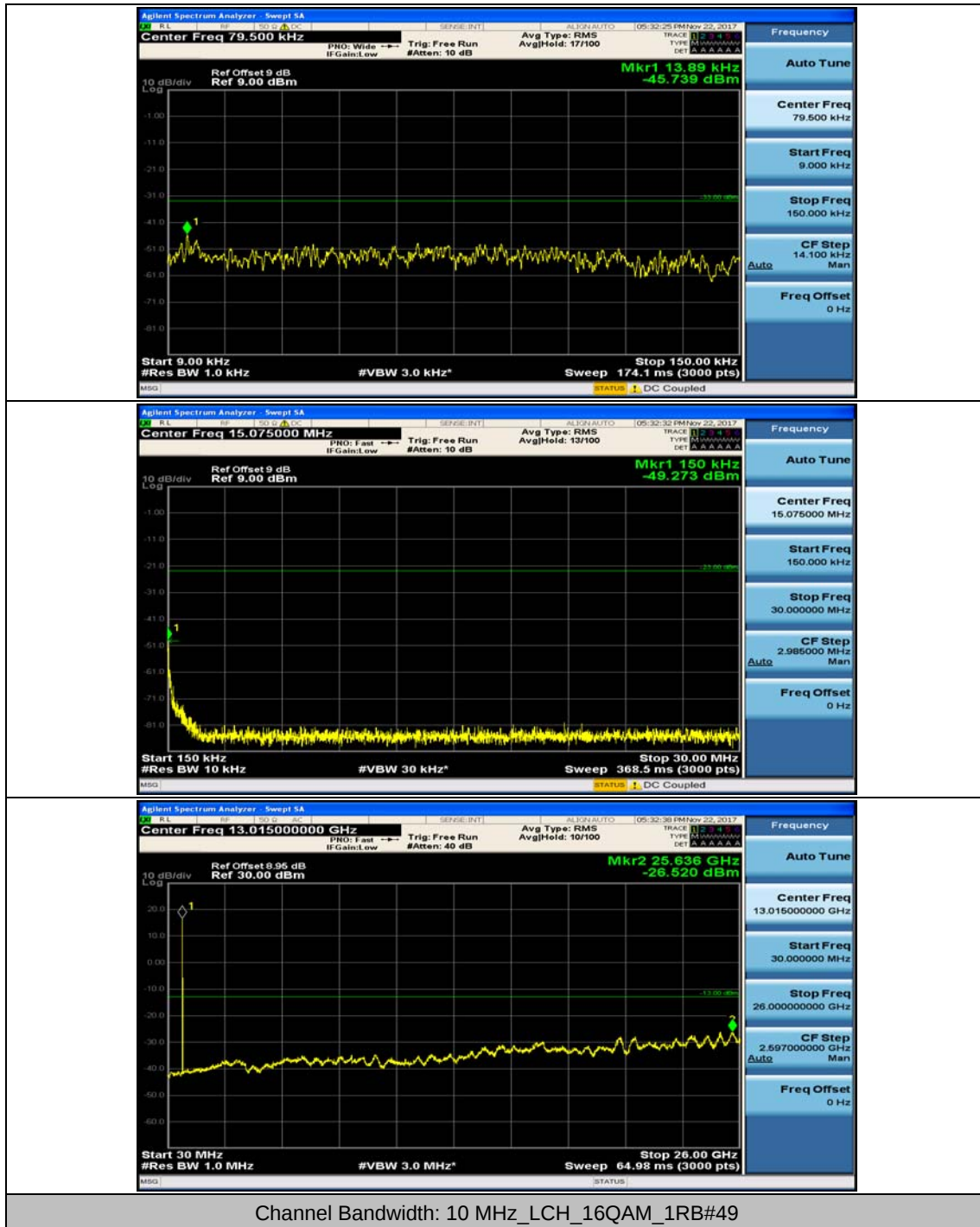


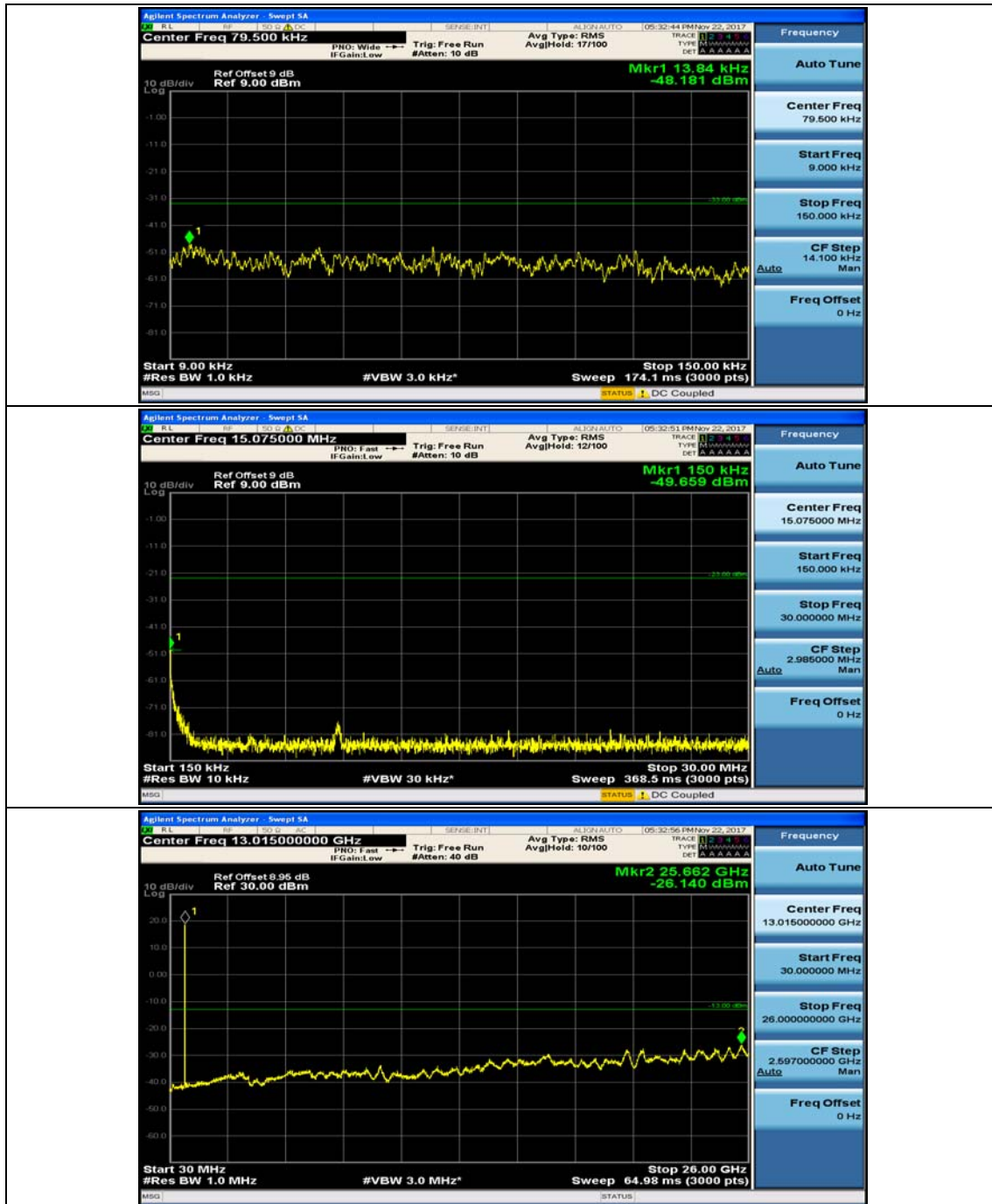


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

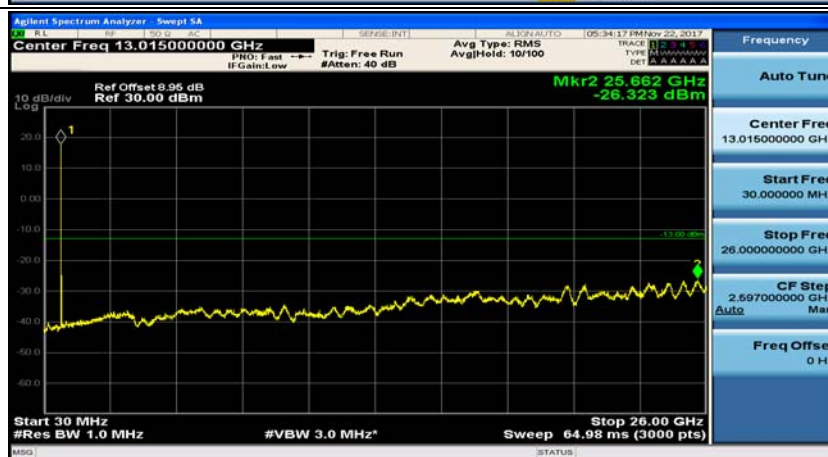
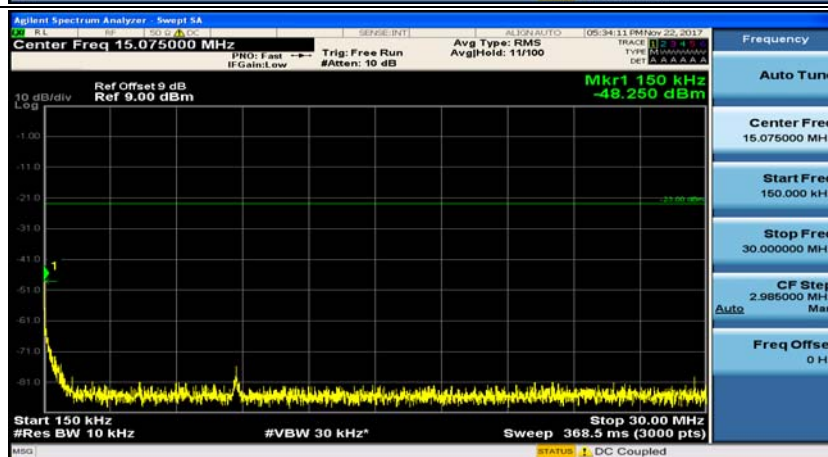
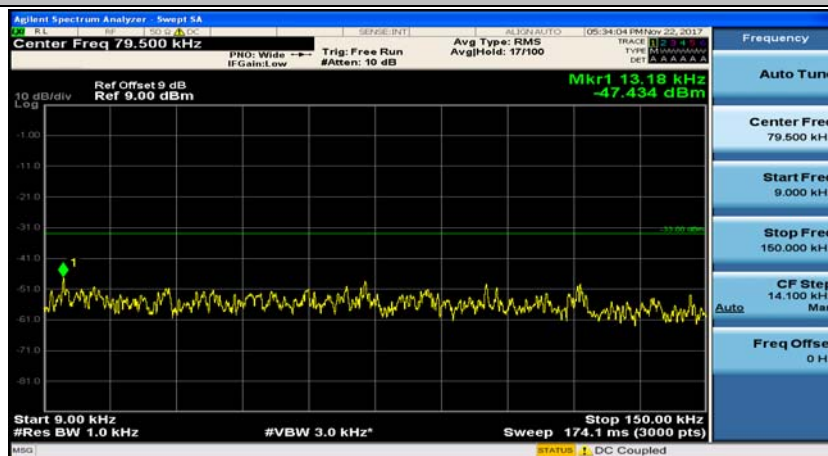


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24

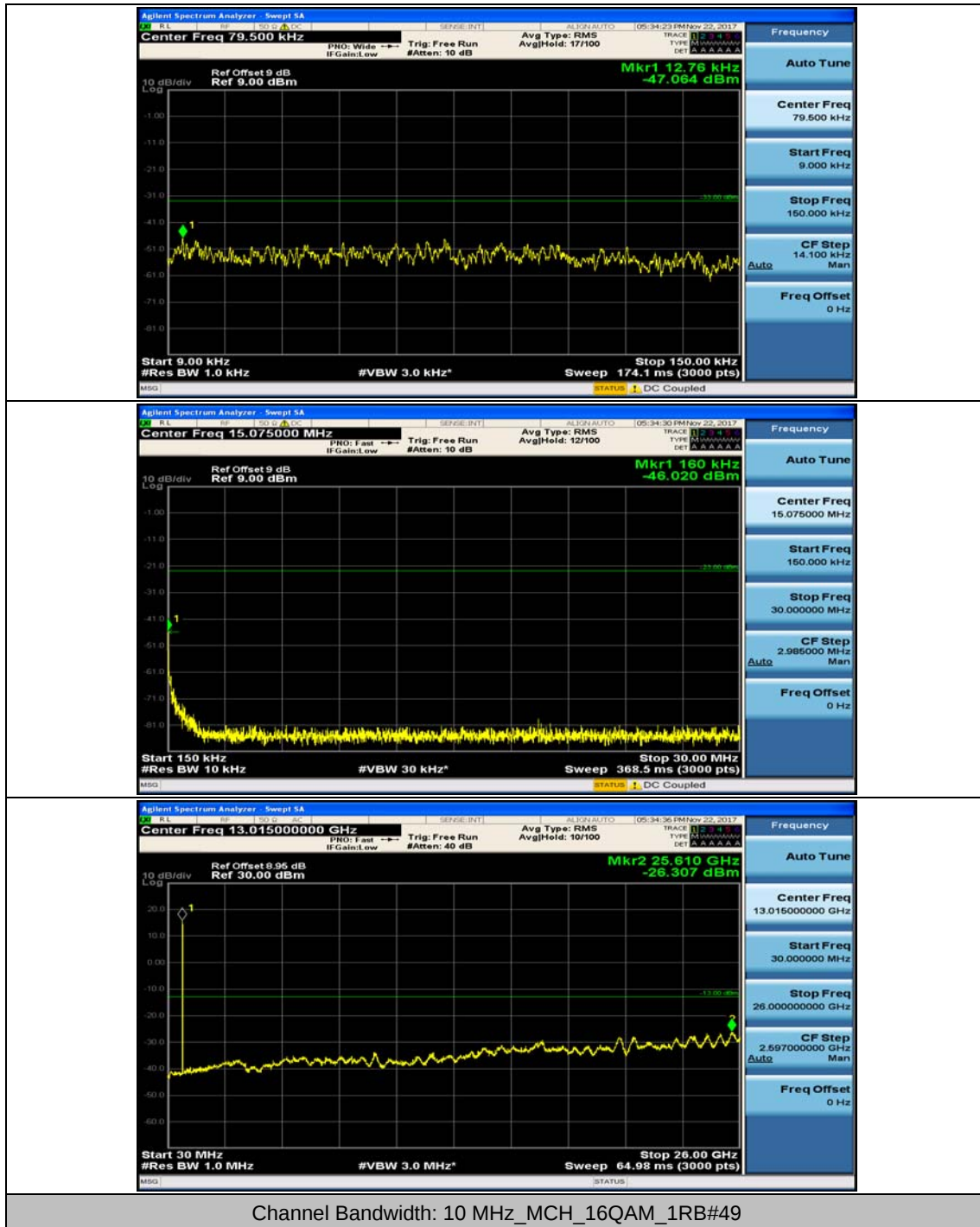


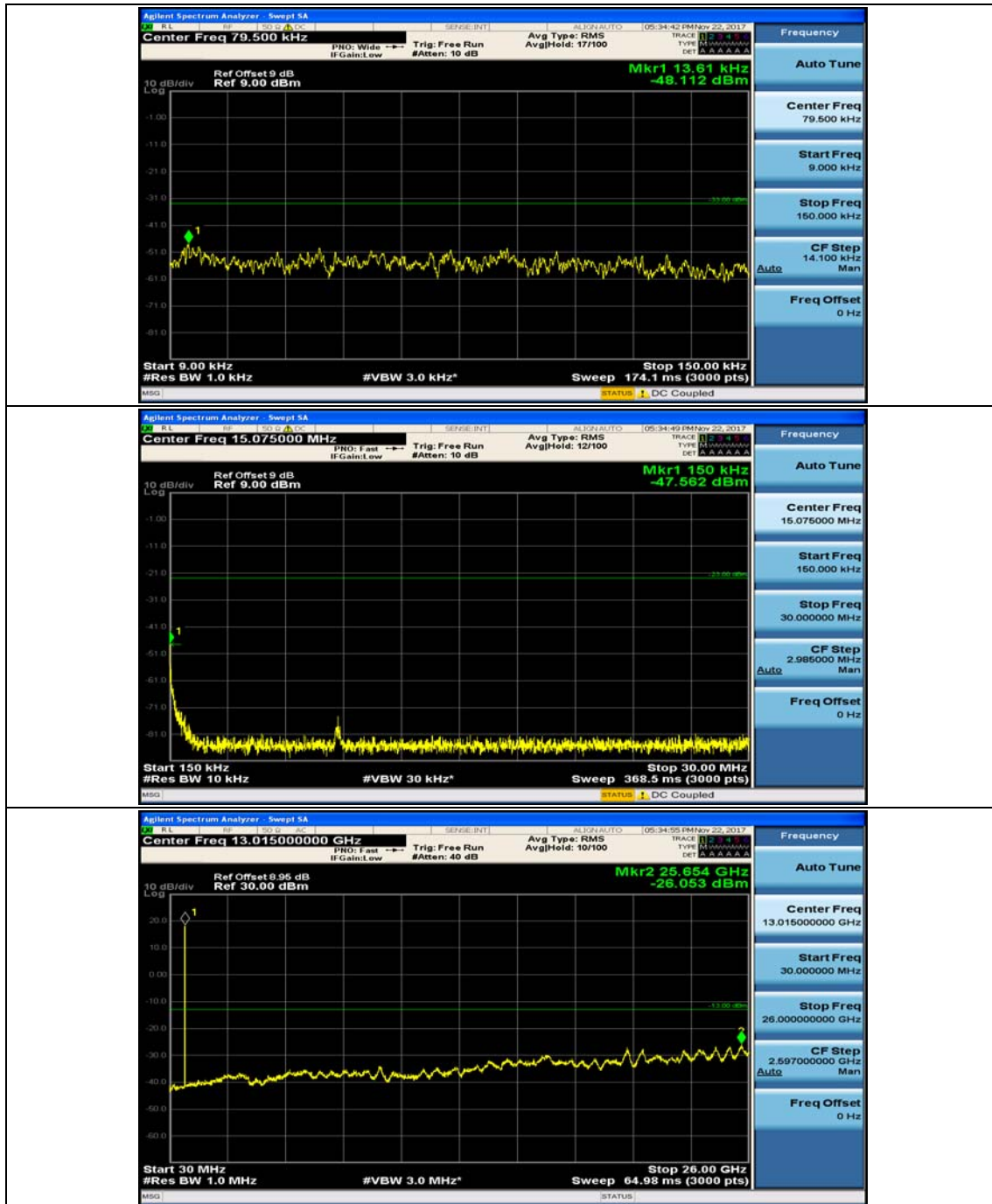


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

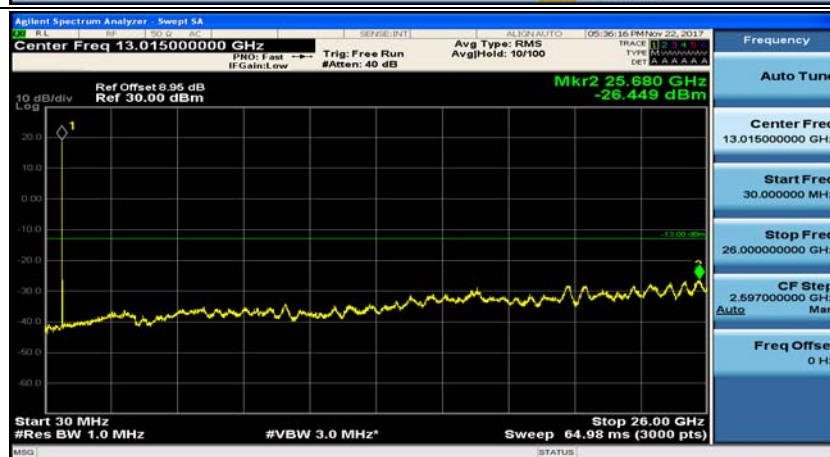
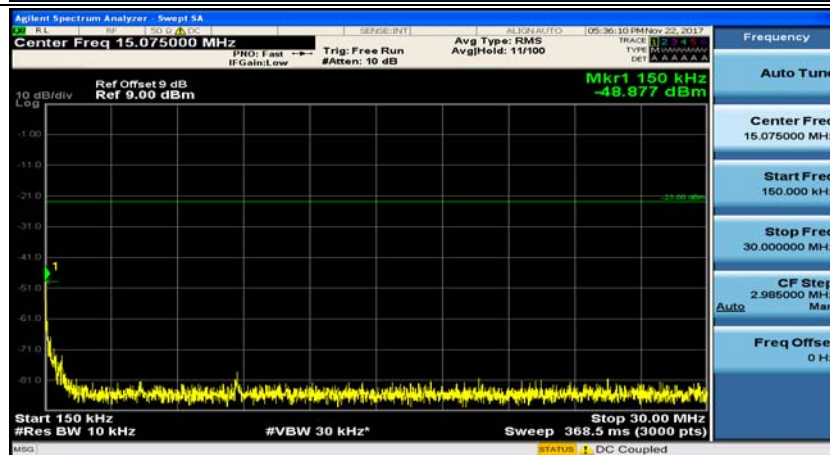
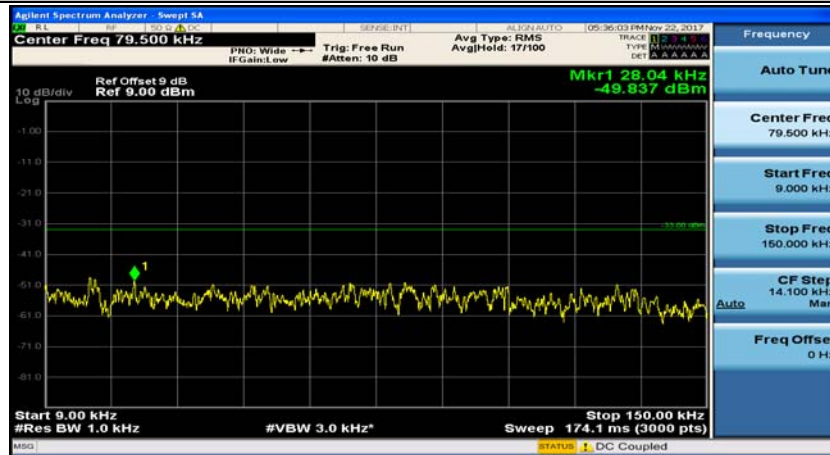


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

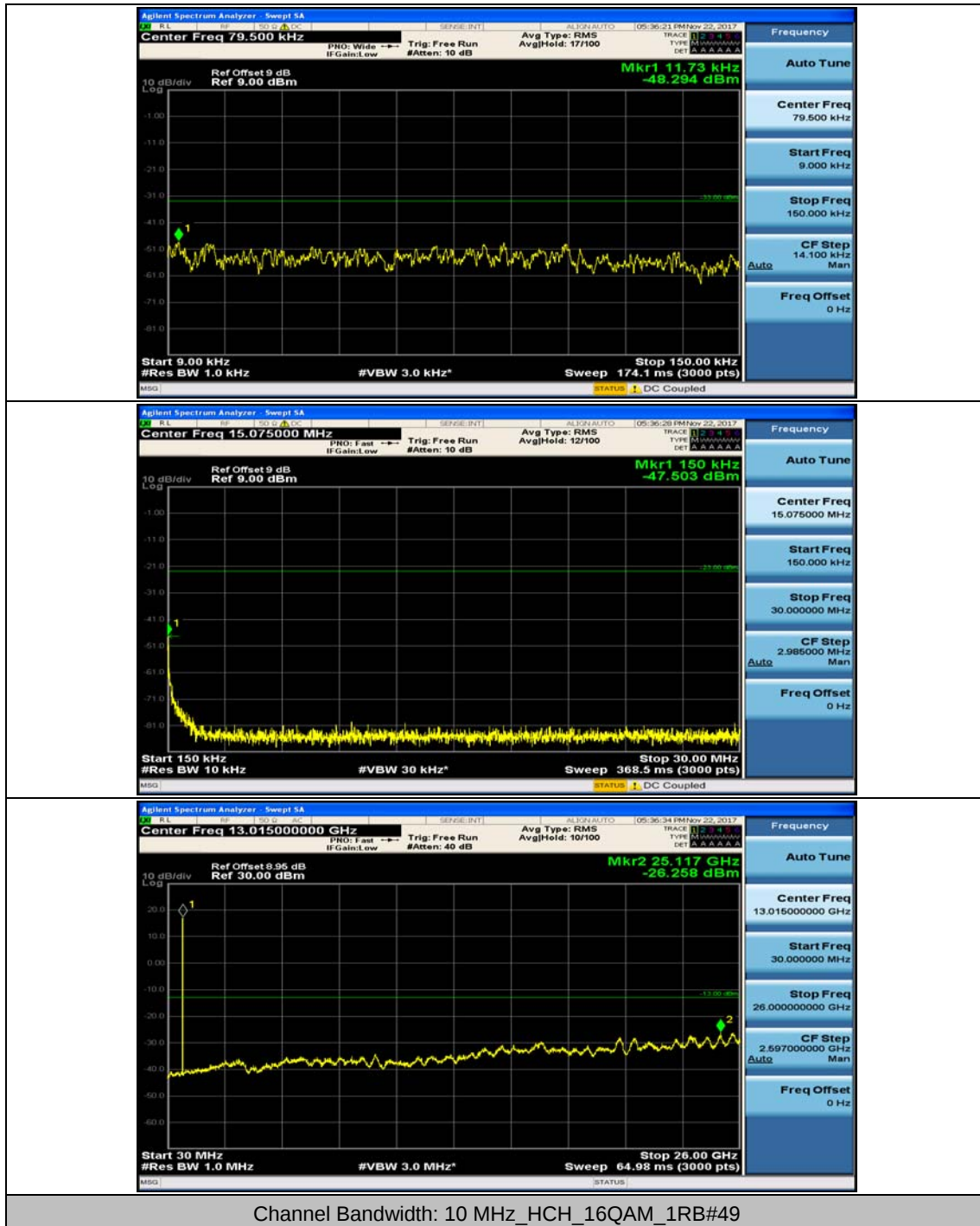


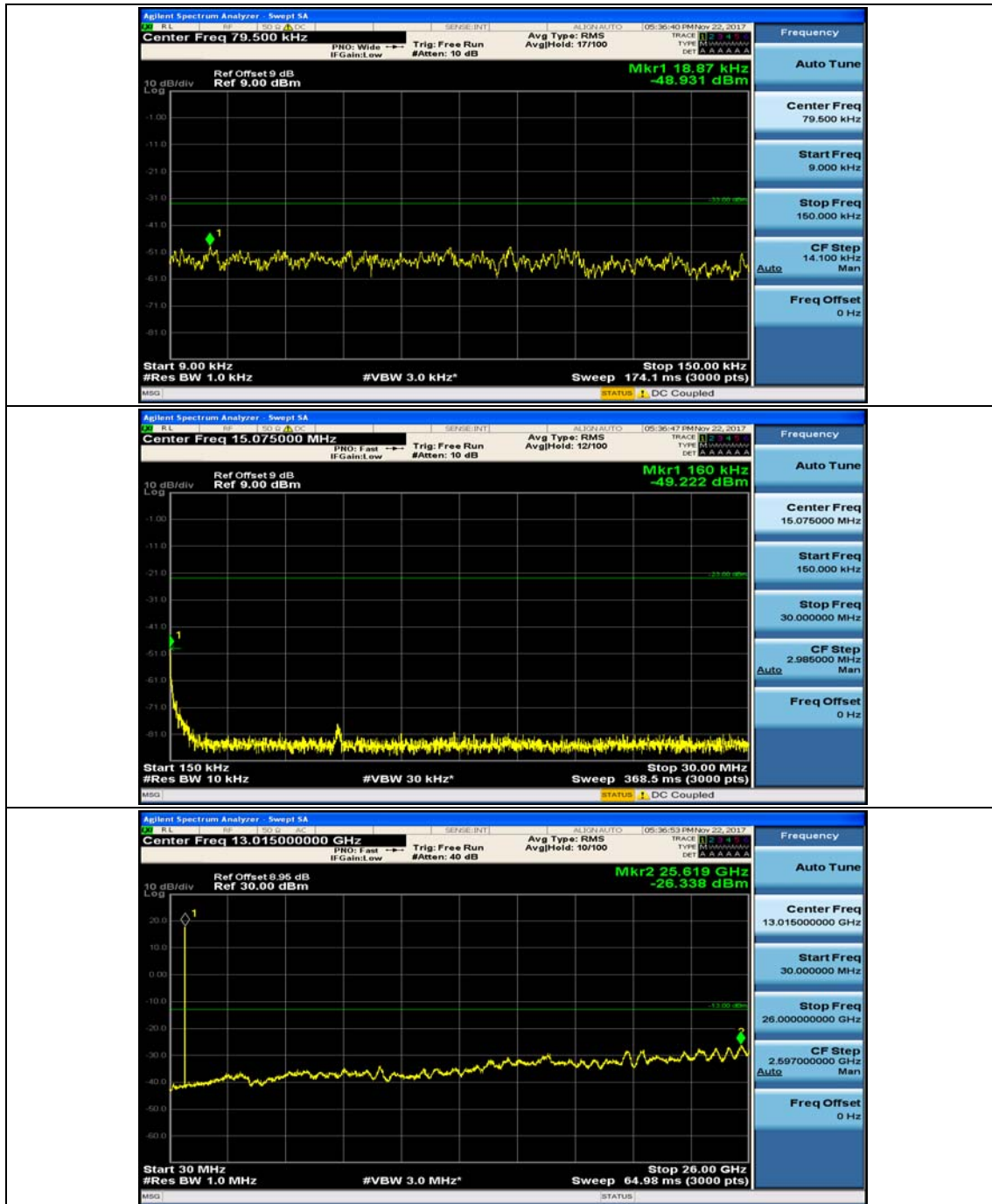


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	1.75	0.002477	± 2.5	PASS
		VN	TN	0.55	0.000778	± 2.5	PASS
		VH	TN	4.24	0.006001	± 2.5	PASS
	MCH	VL	TN	0.21	0.000296	± 2.5	PASS
		VN	TN	1.17	0.001648	± 2.5	PASS
		VH	TN	0.54	0.000761	± 2.5	PASS
	HCH	VL	TN	4.19	0.005872	± 2.5	PASS
		VN	TN	-1.38	-0.001934	± 2.5	PASS
		VH	TN	-0.91	-0.001275	± 2.5	PASS
16QAM	LCH	VL	TN	2.91	0.004119	± 2.5	PASS
		VN	TN	0.92	0.001302	± 2.5	PASS
		VH	TN	1.58	0.002236	± 2.5	PASS
	MCH	VL	TN	3.79	0.005338	± 2.5	PASS
		VN	TN	4.41	0.006211	± 2.5	PASS
		VH	TN	-1.02	-0.001437	± 2.5	PASS
	HCH	VL	TN	2.55	0.003574	± 2.5	PASS
		VN	TN	0.35	0.000491	± 2.5	PASS
		VH	TN	-0.81	-0.001135	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.73	0.001033	± 2.5	PASS
		VN	-20	3.29	0.004657	± 2.5	PASS
		VN	-10	1.05	0.001486	± 2.5	PASS
		VN	0	4.6	0.006511	± 2.5	PASS
		VN	10	-0.5	-0.000708	± 2.5	PASS
		VN	20	1.39	0.001967	± 2.5	PASS
		VN	30	-1.19	-0.001684	± 2.5	PASS
		VN	40	2.73	0.003864	± 2.5	PASS
		VN	50	2.24	0.003171	± 2.5	PASS

	MCH	VN	-30	0.19	0.000268	± 2.5	PASS
		VN	-20	3.88	0.005465	± 2.5	PASS
		VN	-10	2.21	0.003113	± 2.5	PASS
		VN	0	3.27	0.004606	± 2.5	PASS
		VN	10	-1.63	-0.002296	± 2.5	PASS
		VN	20	1.86	0.002620	± 2.5	PASS
		VN	30	-1.51	-0.002127	± 2.5	PASS
		VN	40	-1.5	-0.002113	± 2.5	PASS
		VN	50	-1.31	-0.001845	± 2.5	PASS
	HCH	VN	-30	-0.56	-0.000785	± 2.5	PASS
		VN	-20	-1.35	-0.001892	± 2.5	PASS
		VN	-10	-0.28	-0.000392	± 2.5	PASS
		VN	0	4.41	0.006181	± 2.5	PASS
		VN	10	3.53	0.004947	± 2.5	PASS
		VN	20	-1.49	-0.002088	± 2.5	PASS
		VN	30	-0.88	-0.001233	± 2.5	PASS
		VN	40	3.03	0.004247	± 2.5	PASS
		VN	50	2.8	0.003924	± 2.5	PASS
16QAM	LCH	VN	-30	2.84	0.004020	± 2.5	PASS
		VN	-20	2.3	0.003255	± 2.5	PASS
		VN	-10	4.26	0.006030	± 2.5	PASS
		VN	0	0.63	0.000892	± 2.5	PASS
		VN	10	-1.78	-0.002519	± 2.5	PASS
		VN	20	-0.33	-0.000467	± 2.5	PASS
		VN	30	-1.1	-0.001557	± 2.5	PASS
		VN	40	-0.37	-0.000524	± 2.5	PASS
		VN	50	4.2	0.005945	± 2.5	PASS
	MCH	VN	-30	-0.87	-0.001219	± 2.5	PASS
		VN	-20	0.08	0.000112	± 2.5	PASS
		VN	-10	-1.35	-0.001892	± 2.5	PASS
		VN	0	-1.57	-0.002200	± 2.5	PASS
		VN	10	1.98	0.002775	± 2.5	PASS
		VN	20	3.01	0.004219	± 2.5	PASS
		VN	30	4.61	0.006461	± 2.5	PASS
		VN	40	2.41	0.003378	± 2.5	PASS
		VN	50	-0.16	-0.000224	± 2.5	PASS
	HCH	VN	-30	-0.58	-0.000813	± 2.5	PASS
		VN	-20	1.62	0.002270	± 2.5	PASS
		VN	-10	-1.85	-0.002593	± 2.5	PASS
		VN	0	-0.85	-0.001191	± 2.5	PASS
		VN	10	-0.77	-0.001079	± 2.5	PASS

		VN	20	-0.88	-0.001233	± 2.5	PASS
		VN	30	1.4	0.001962	± 2.5	PASS
		VN	40	1.02	0.001430	± 2.5	PASS
		VN	50	2.1	0.002943	± 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	4.13	0.005825	± 2.5	PASS
		VN	TN	1.56	0.002200	± 2.5	PASS
		VH	TN	2.17	0.003061	± 2.5	PASS
	MCH	VL	TN	4.38	0.006169	± 2.5	PASS
		VN	TN	0.83	0.001169	± 2.5	PASS
		VH	TN	0.54	0.000761	± 2.5	PASS
	HCH	VL	TN	3.17	0.004459	± 2.5	PASS
		VN	TN	1.82	0.002560	± 2.5	PASS
		VH	TN	4.84	0.006807	± 2.5	PASS
16QAM	LCH	VL	TN	-0.34	-0.000480	± 2.5	PASS
		VN	TN	-0.58	-0.000818	± 2.5	PASS
		VH	TN	4.46	0.006291	± 2.5	PASS
	MCH	VL	TN	2.53	0.003563	± 2.5	PASS
		VN	TN	1.98	0.002789	± 2.5	PASS
		VH	TN	0.37	0.000521	± 2.5	PASS
	HCH	VL	TN	-0.41	-0.000577	± 2.5	PASS
		VN	TN	1.07	0.001505	± 2.5	PASS
		VH	TN	1.8	0.002532	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.65	-0.000917	± 2.5	PASS
		VN	-20	3.44	0.004852	± 2.5	PASS
		VN	-10	-1.44	-0.002031	± 2.5	PASS
		VN	0	0.65	0.000917	± 2.5	PASS
		VN	10	4.72	0.006657	± 2.5	PASS
		VN	20	3.16	0.004457	± 2.5	PASS
		VN	30	-1.8	-0.002539	± 2.5	PASS
		VN	40	3.19	0.004499	± 2.5	PASS
		VN	50	-1.36	-0.001918	± 2.5	PASS
	MCH	VN	-30	0.8	0.001127	± 2.5	PASS

		VN	-20	2.76	0.003887	± 2.5	PASS
		VN	-10	3.6	0.005070	± 2.5	PASS
		VN	0	0.32	0.000451	± 2.5	PASS
		VN	10	0.7	0.000986	± 2.5	PASS
		VN	20	-0.46	-0.000648	± 2.5	PASS
		VN	30	-1.9	-0.002676	± 2.5	PASS
		VN	40	-1.74	-0.002451	± 2.5	PASS
		VN	50	-0.18	-0.000254	± 2.5	PASS
	HCH	VN	-30	-0.97	-0.001364	± 2.5	PASS
		VN	-20	0.76	0.001069	± 2.5	PASS
		VN	-10	1.36	0.001913	± 2.5	PASS
		VN	0	-0.89	-0.001252	± 2.5	PASS
		VN	10	3.49	0.004909	± 2.5	PASS
		VN	20	4.63	0.006512	± 2.5	PASS
		VN	30	2.41	0.003390	± 2.5	PASS
		VN	40	2.62	0.003685	± 2.5	PASS
16QAM	LCH	VN	-30	0.38	0.000535	± 2.5	PASS
		VN	-20	4.9	0.006901	± 2.5	PASS
		VN	-10	-1.41	-0.001986	± 2.5	PASS
		VN	0	0.06	0.000085	± 2.5	PASS
		VN	10	2.38	0.003352	± 2.5	PASS
		VN	20	3.99	0.005620	± 2.5	PASS
		VN	30	-2	-0.002817	± 2.5	PASS
		VN	40	-0.3	-0.000423	± 2.5	PASS
		VN	50	0.79	0.001113	± 2.5	PASS
	MCH	VN	-30	3.39	0.004768	± 2.5	PASS
		VN	-20	2.58	0.003629	± 2.5	PASS
		VN	-10	-0.59	-0.000830	± 2.5	PASS
		VN	0	-0.73	-0.001027	± 2.5	PASS
		VN	10	-0.58	-0.000816	± 2.5	PASS
		VN	20	3.37	0.004740	± 2.5	PASS
		VN	30	1.55	0.002180	± 2.5	PASS
		VN	40	-0.79	-0.001111	± 2.5	PASS
		VN	50	4.2	0.005907	± 2.5	PASS
	HCH	VN	-30	0.58	0.000816	± 2.5	PASS
		VN	-20	-0.08	-0.000113	± 2.5	PASS
		VN	-10	0.71	0.000999	± 2.5	PASS
		VN	0	-1.36	-0.001913	± 2.5	PASS
		VN	10	3.76	0.005288	± 2.5	PASS
		VN	20	3.25	0.004571	± 2.5	PASS

		VN	30	-1.84	-0.002588	± 2.5	PASS
		VN	40	-1.33	-0.001871	± 2.5	PASS
		VN	50	2.53	0.003546	± 2.5	PASS