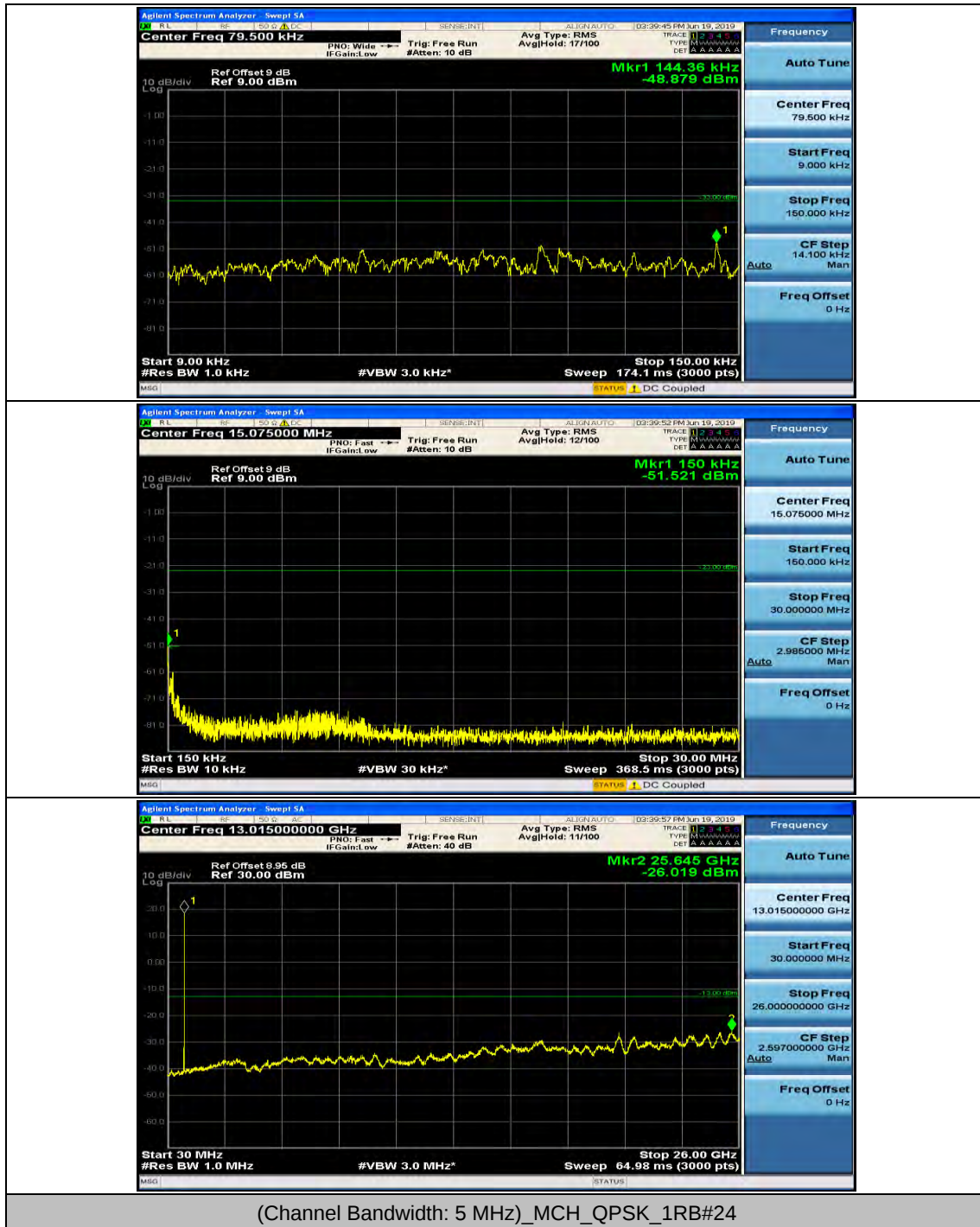
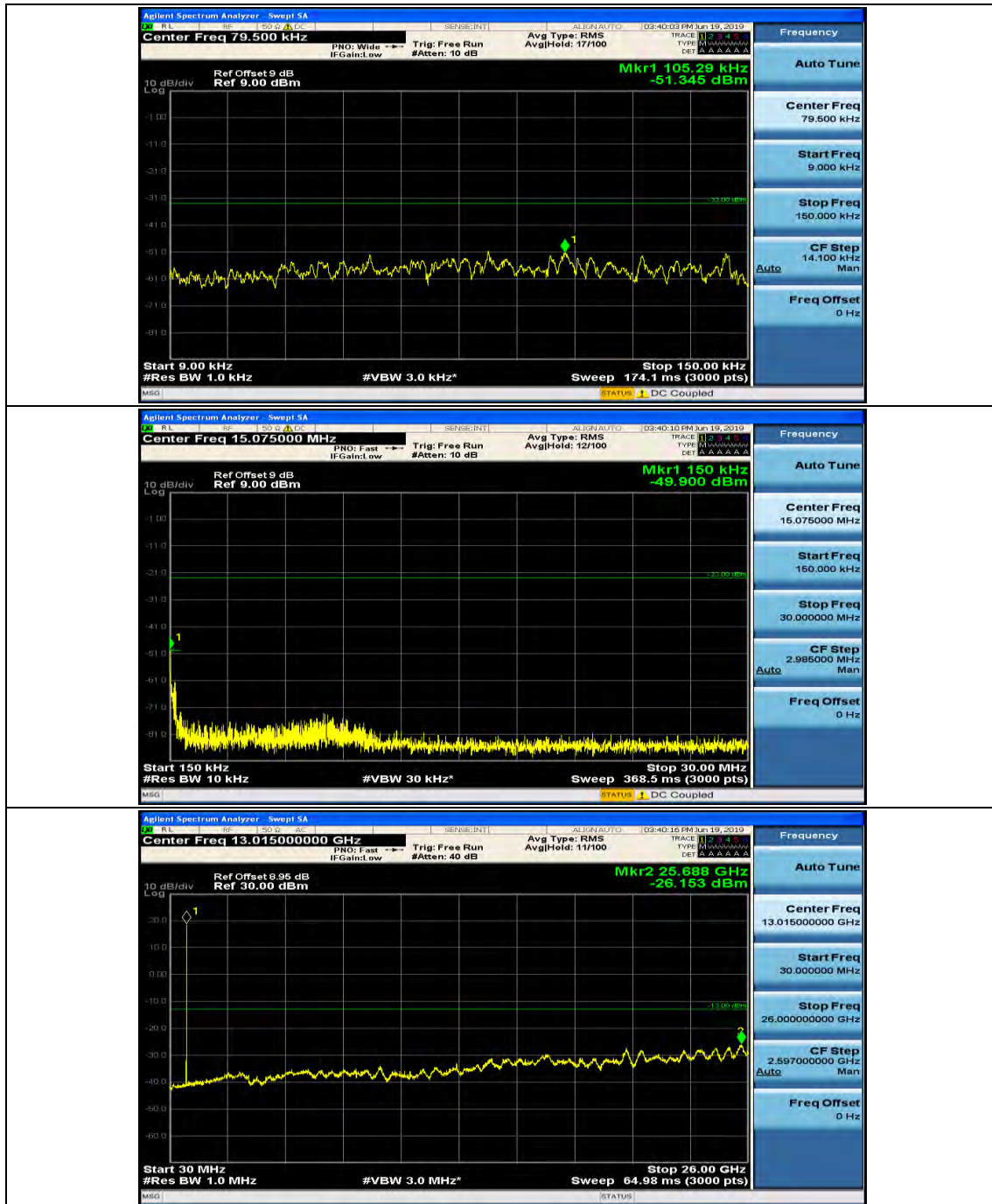
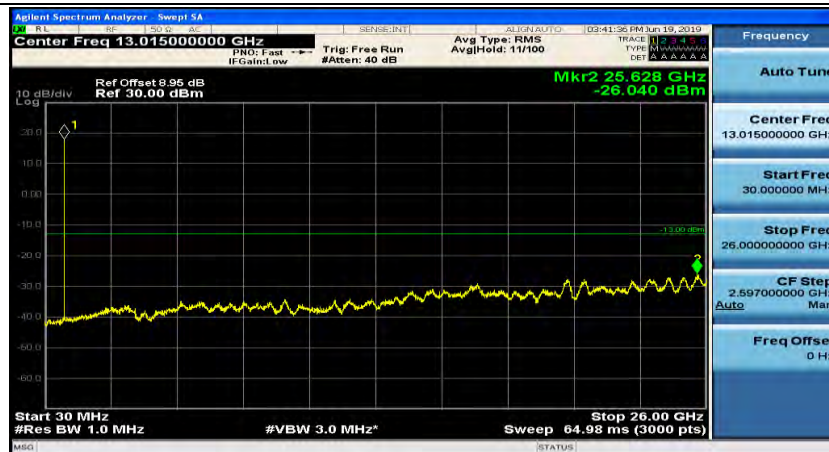
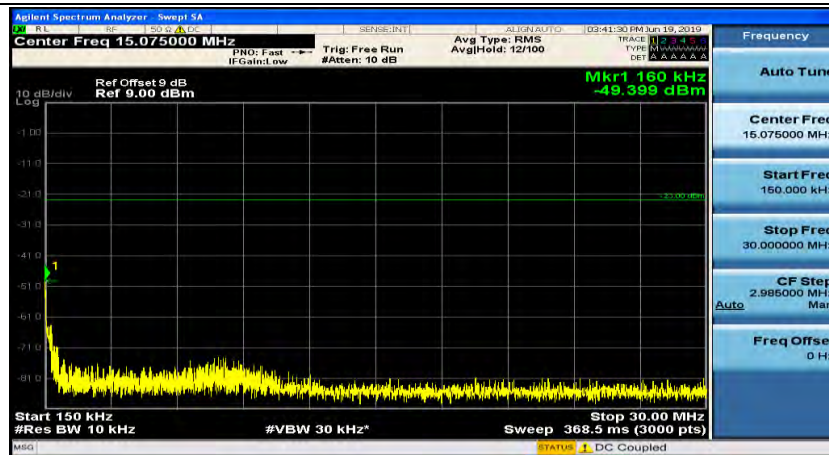
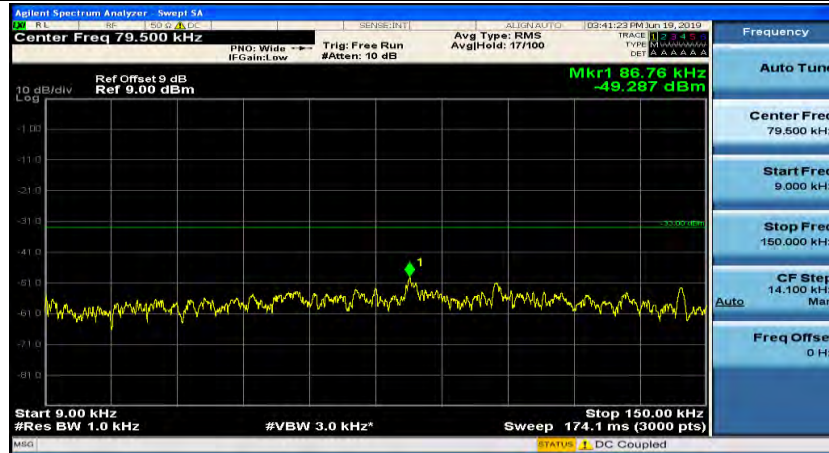


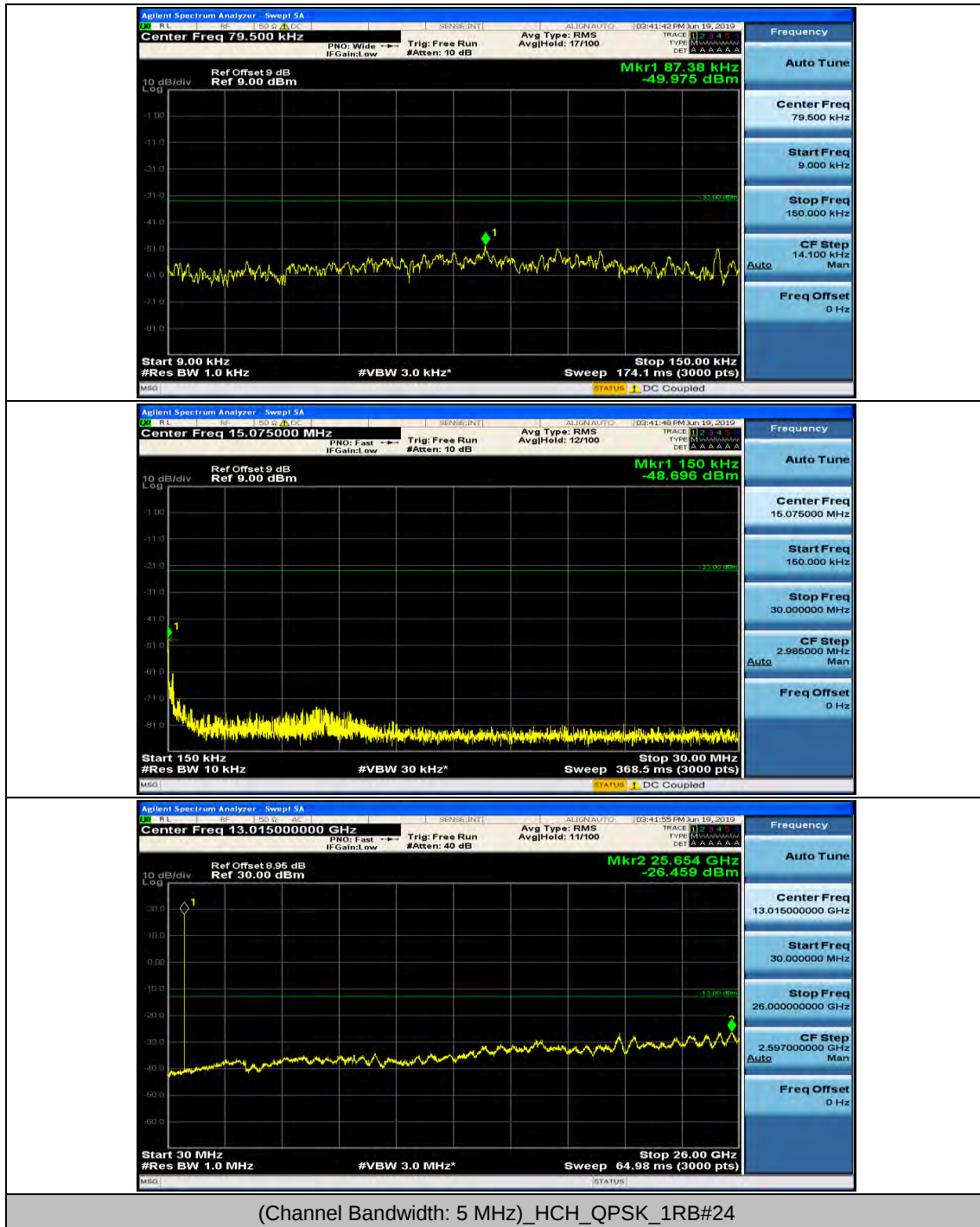


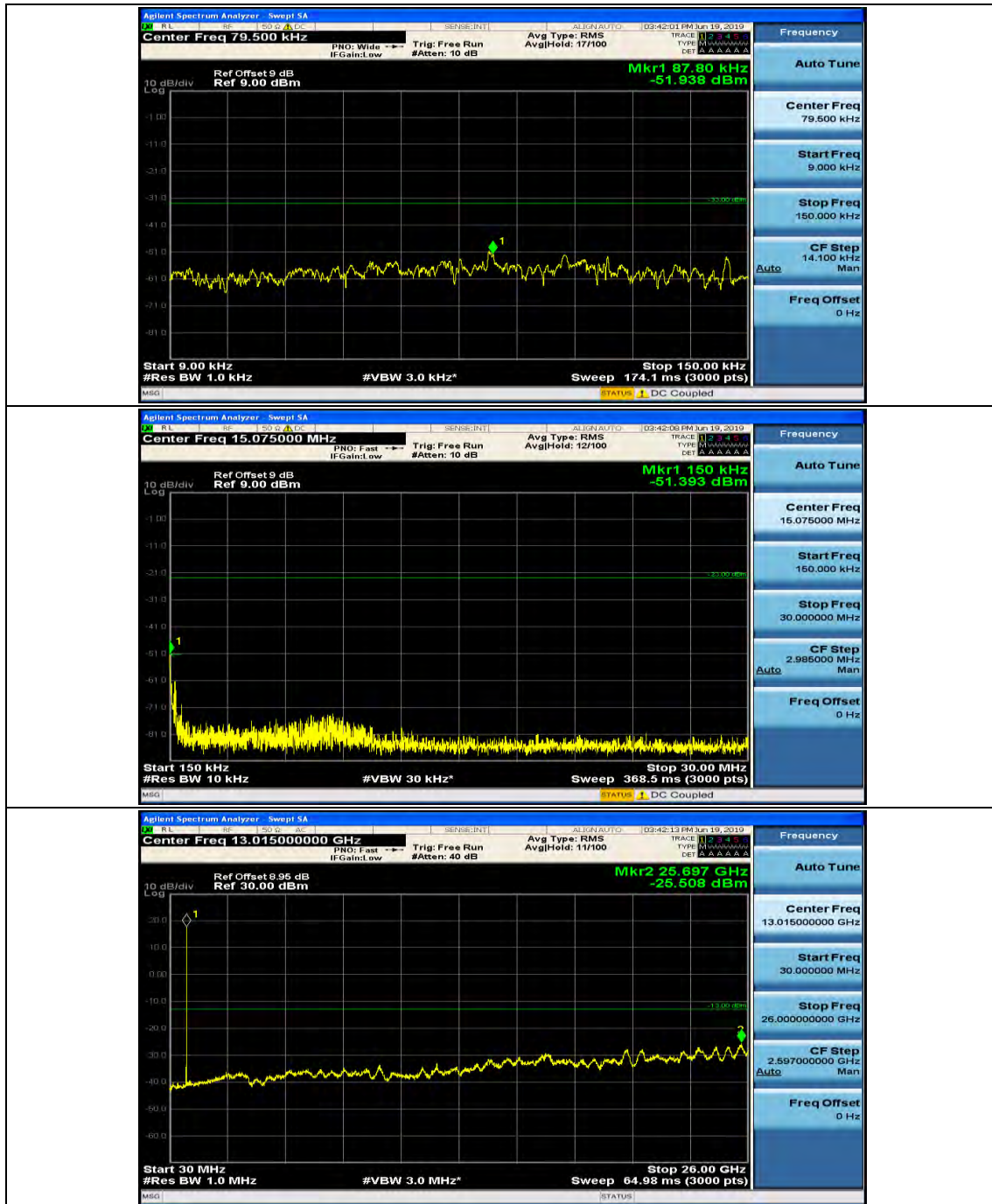


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

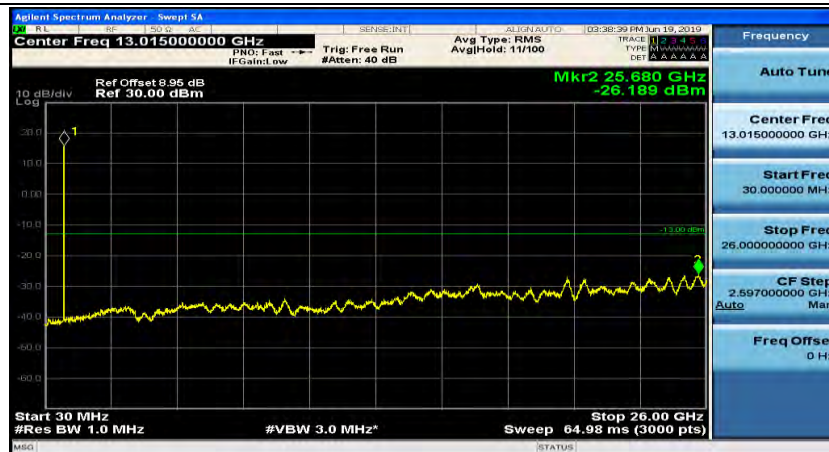
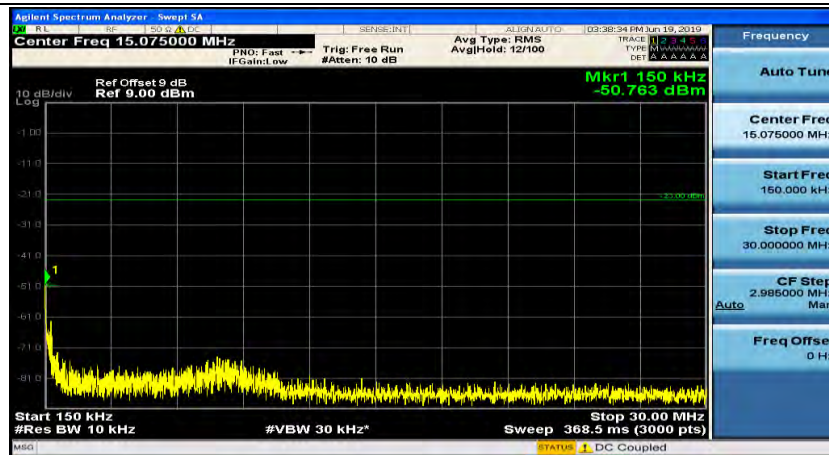
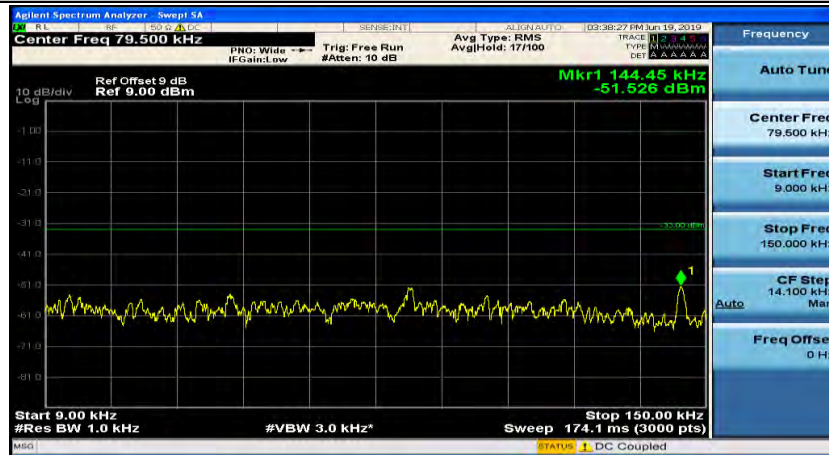


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

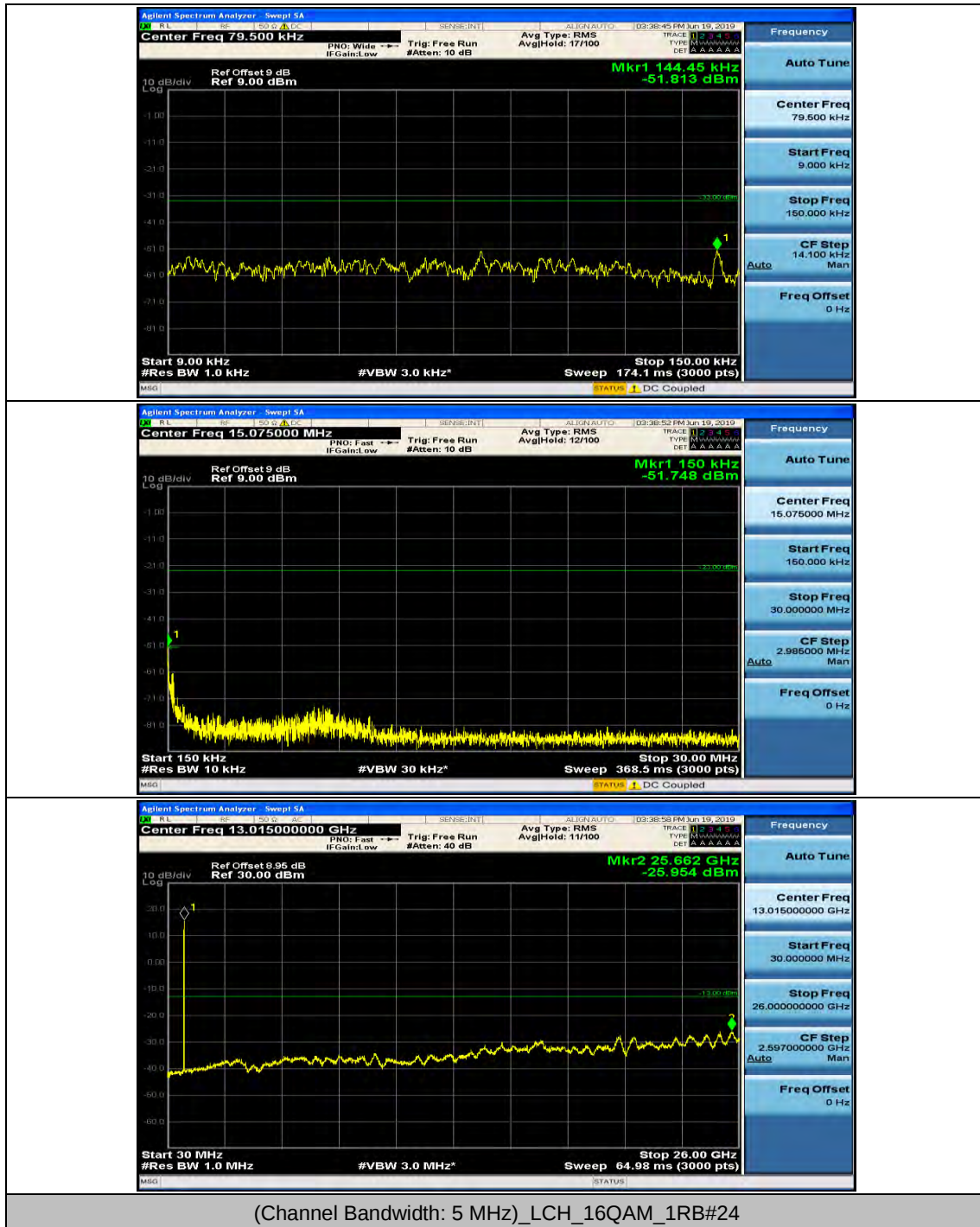


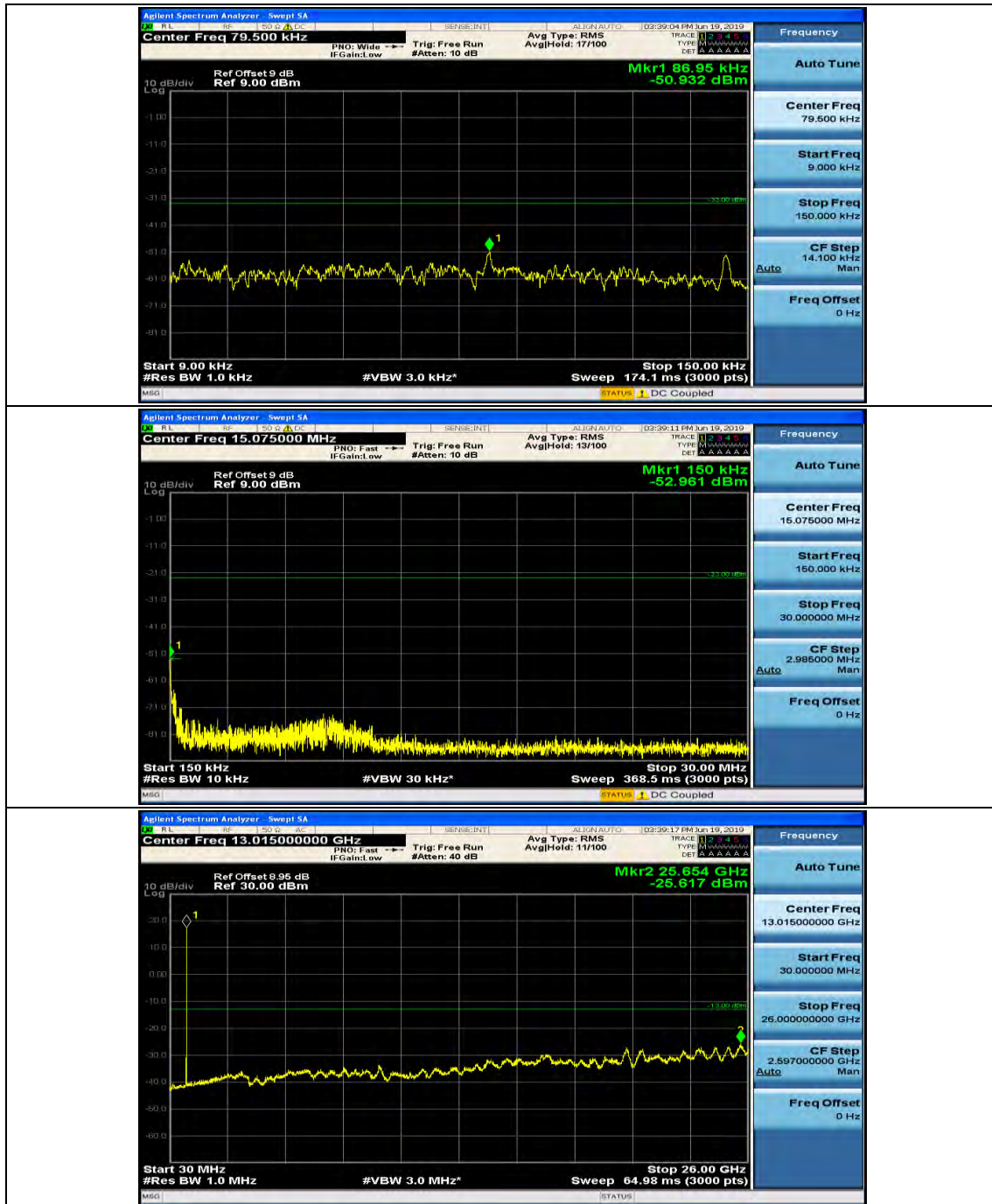


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

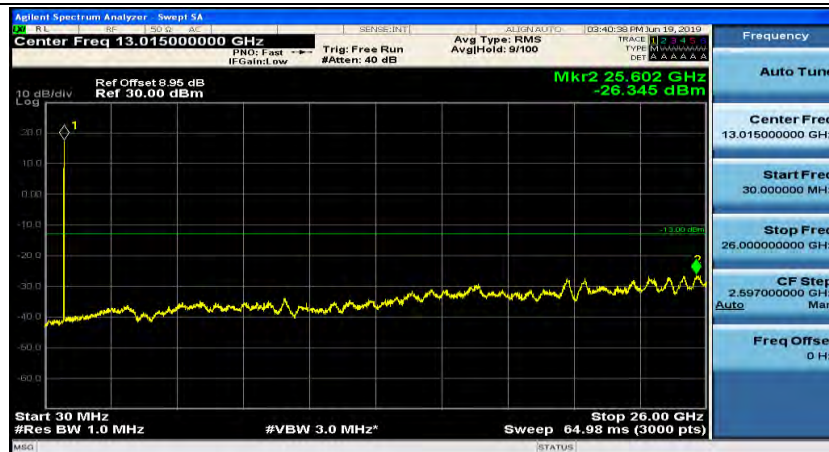
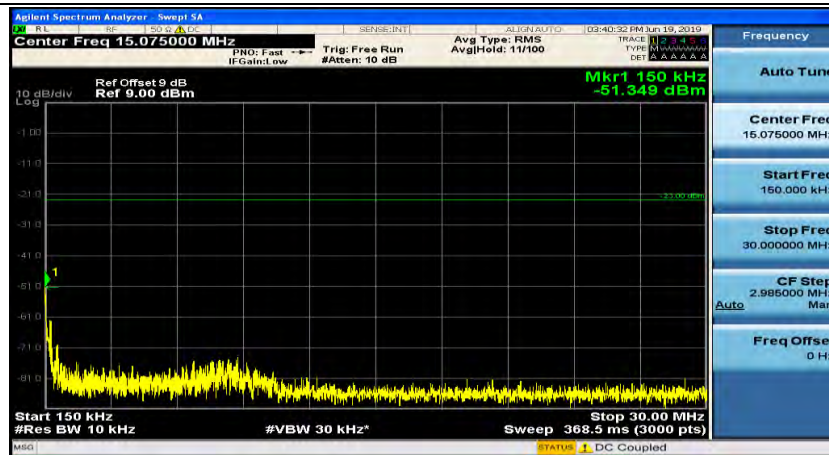


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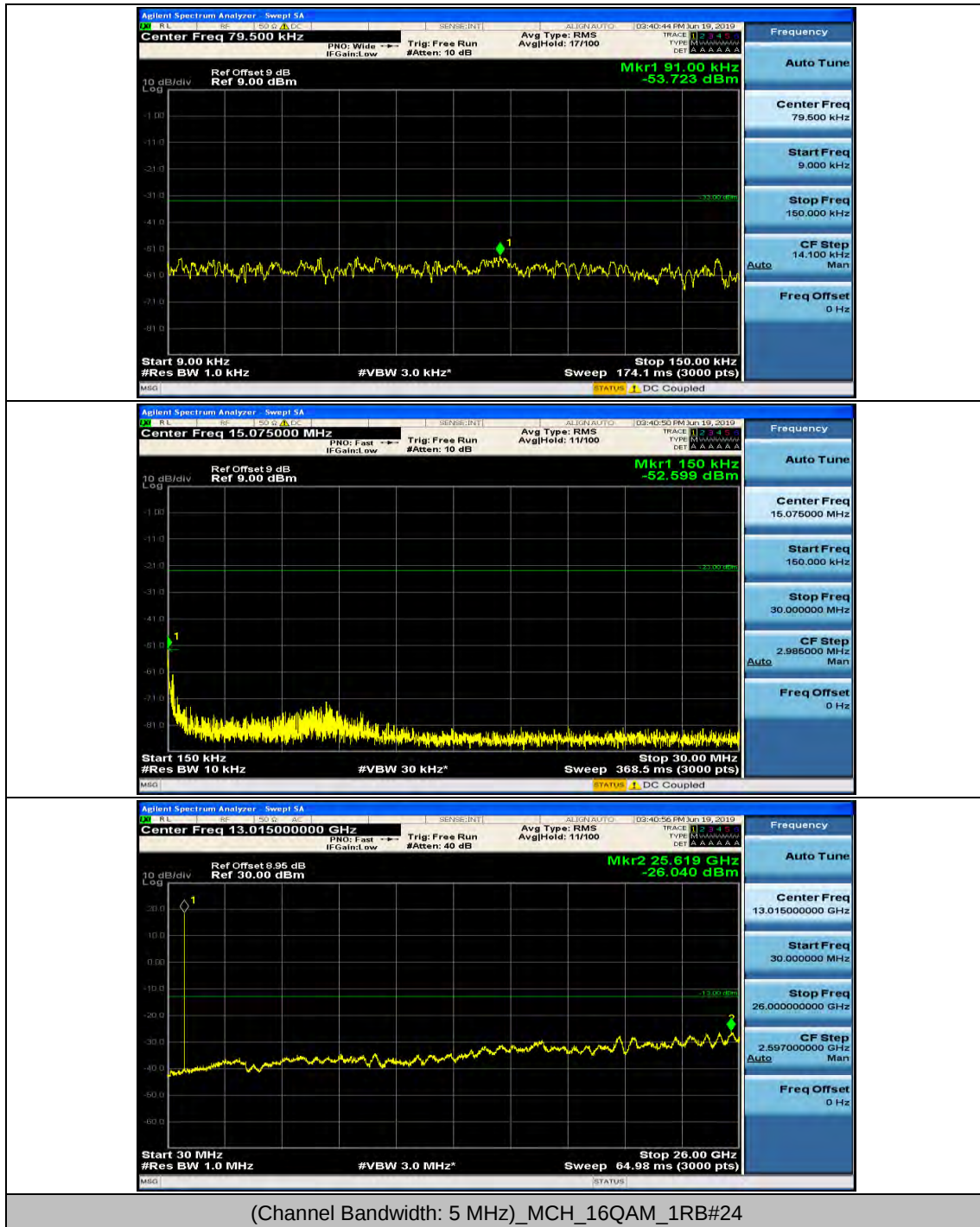


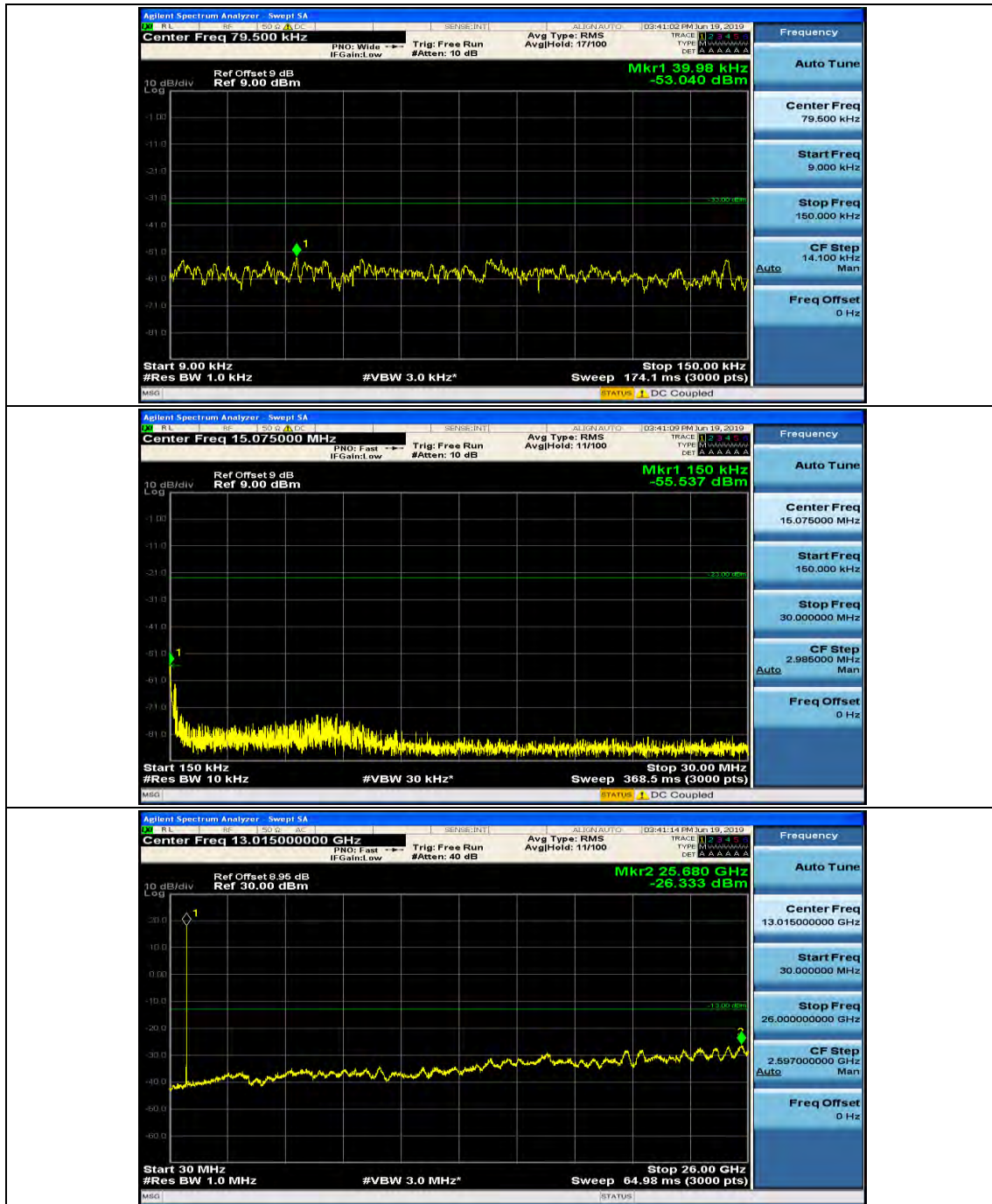


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

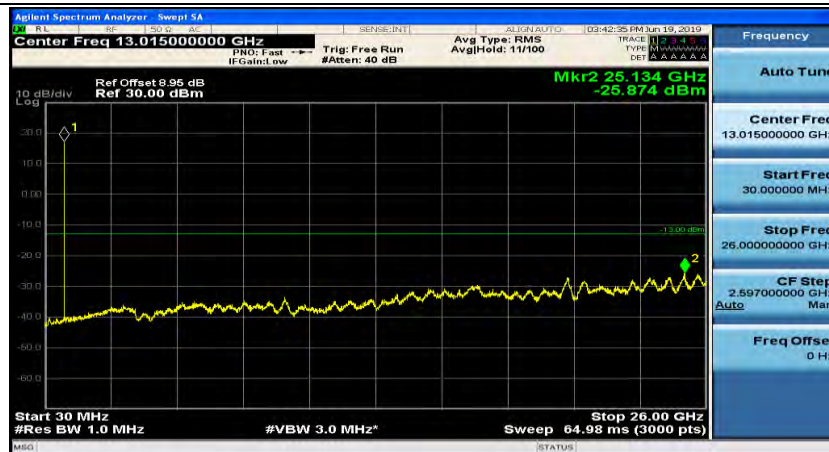
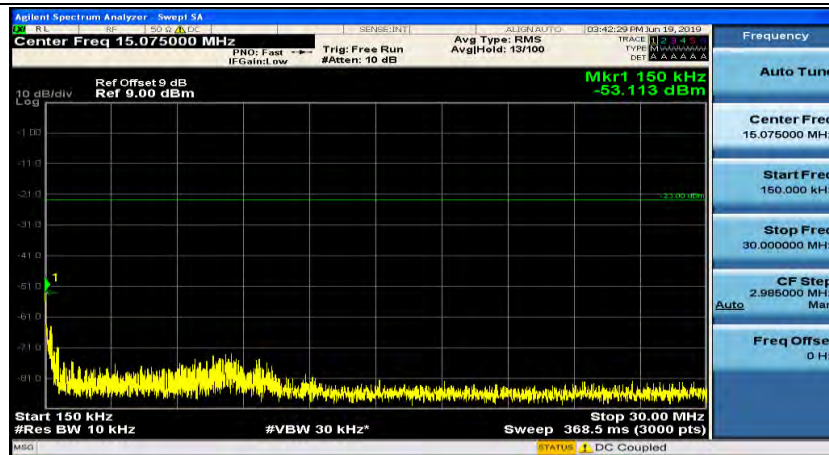
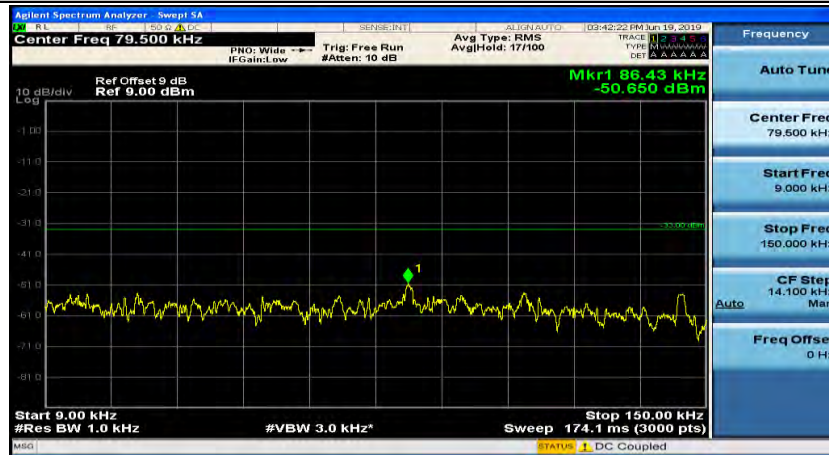


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

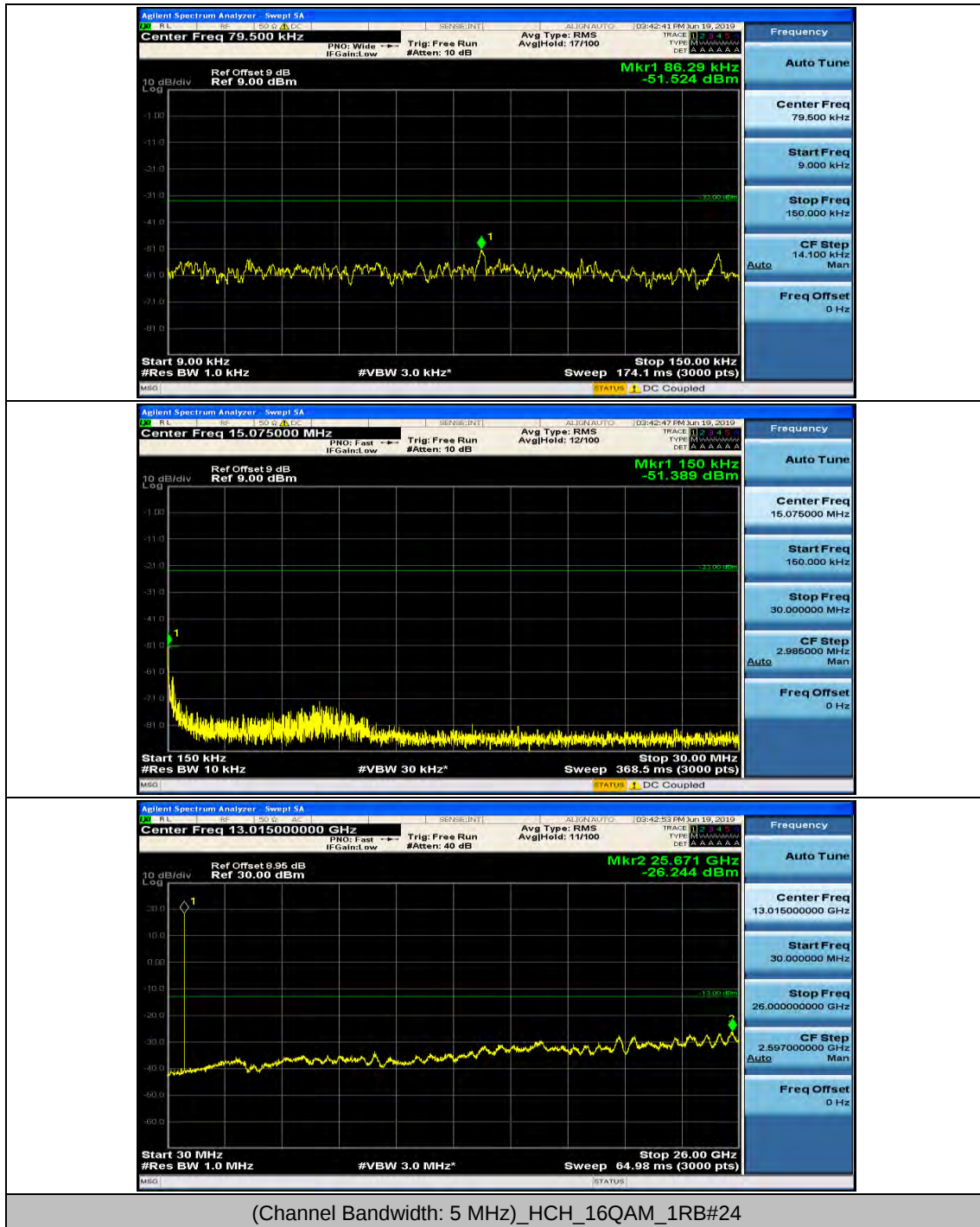


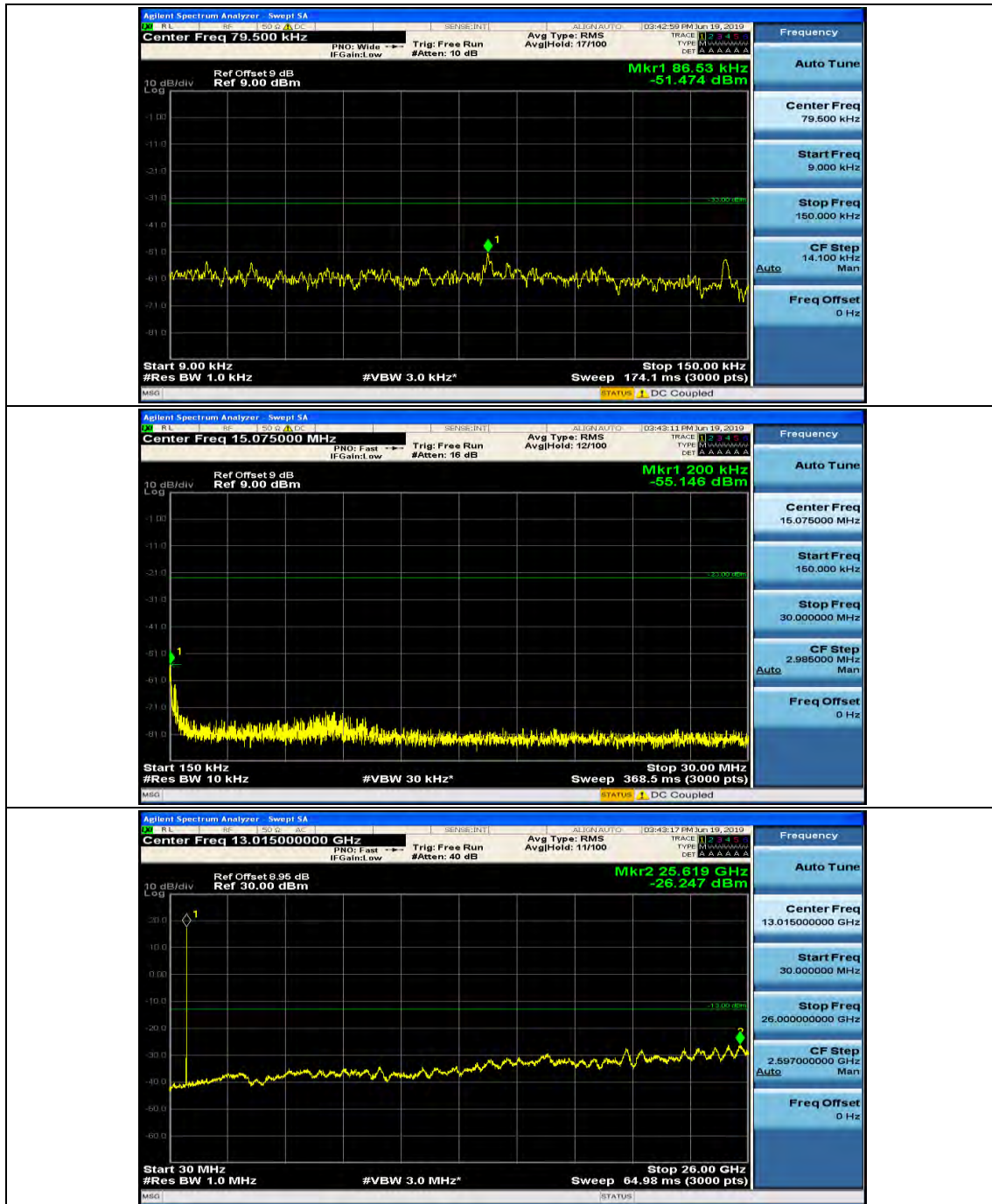


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

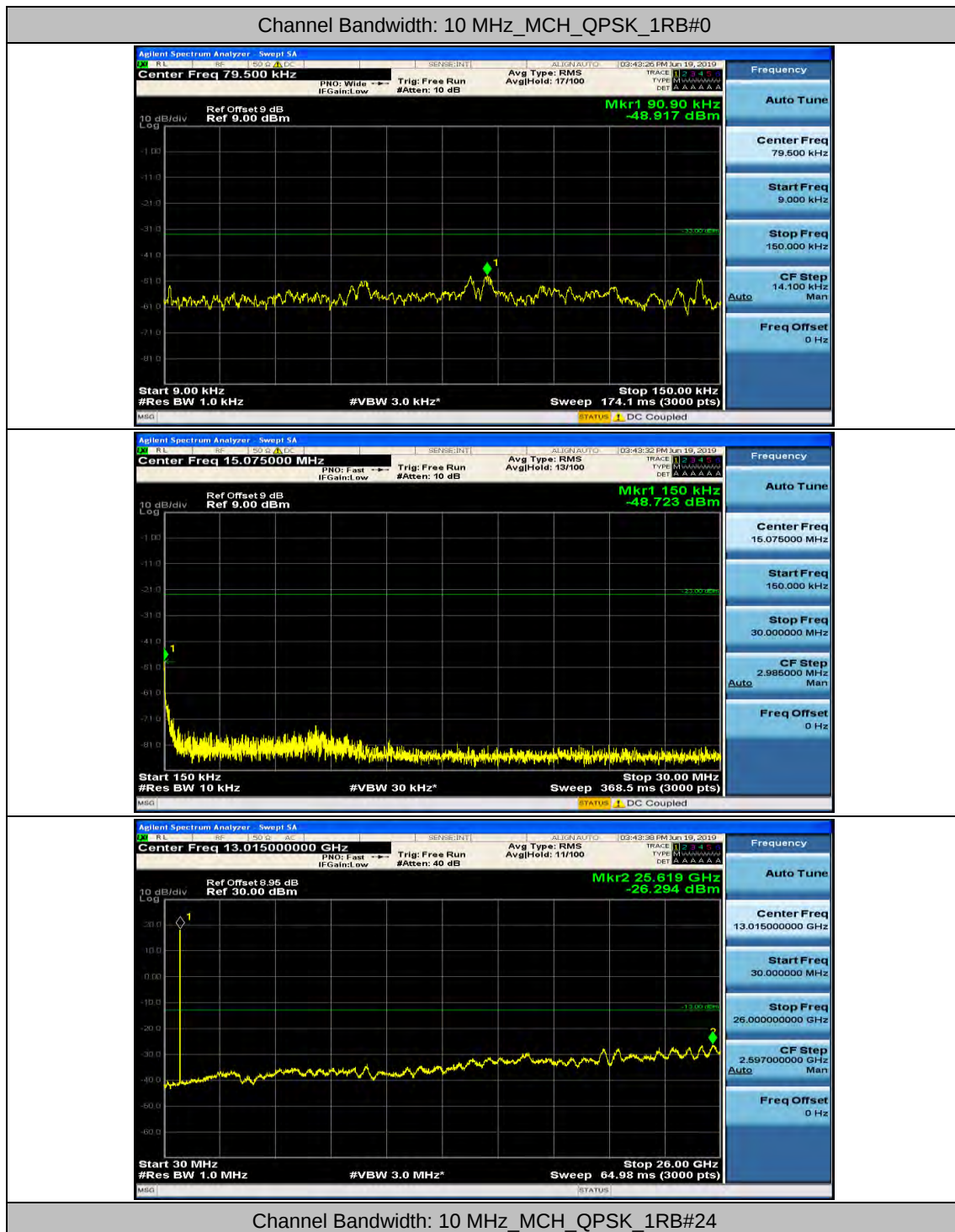


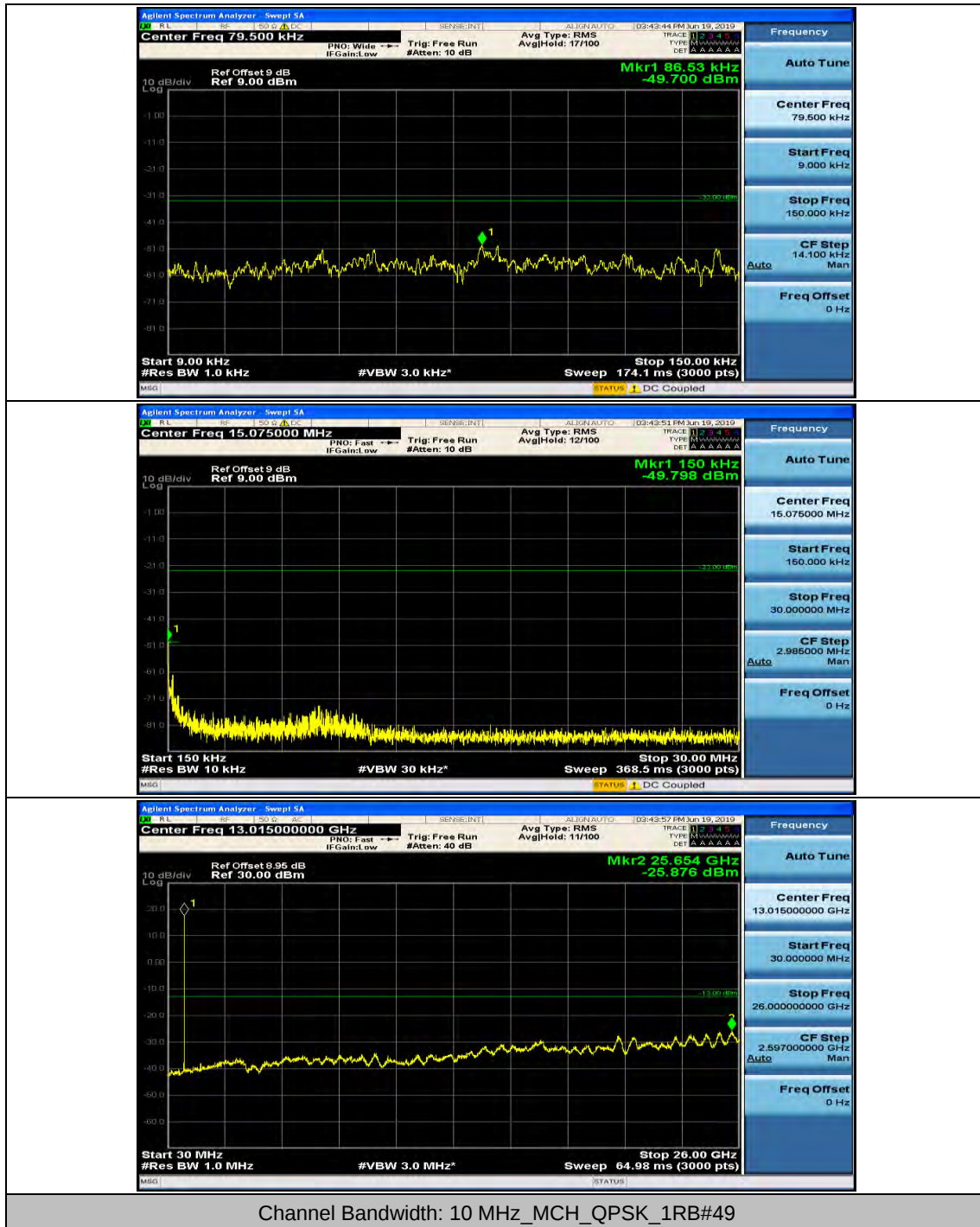
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

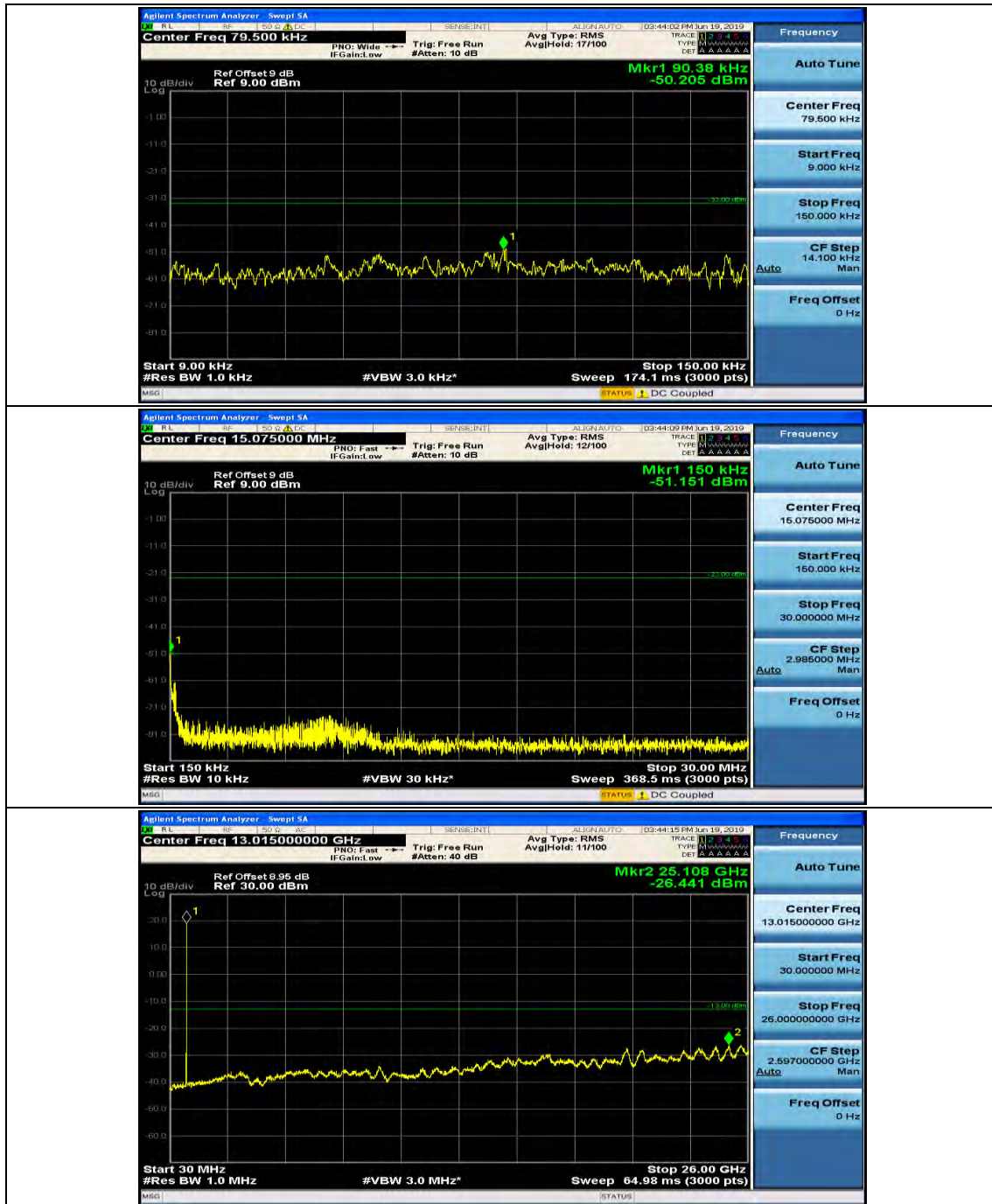




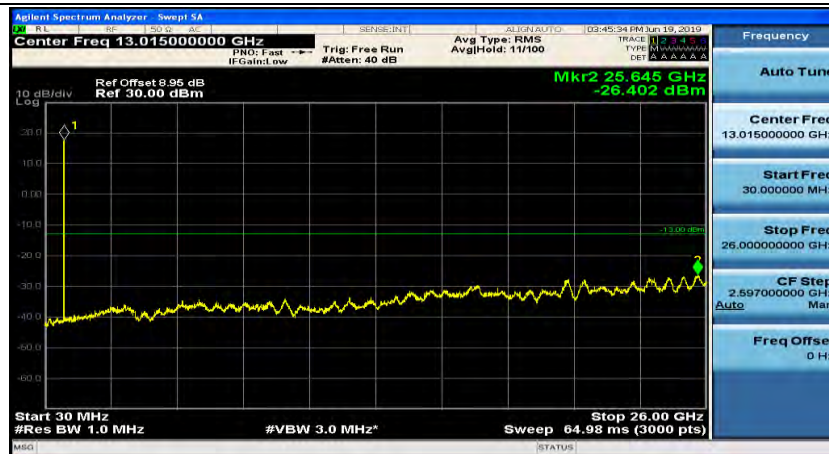
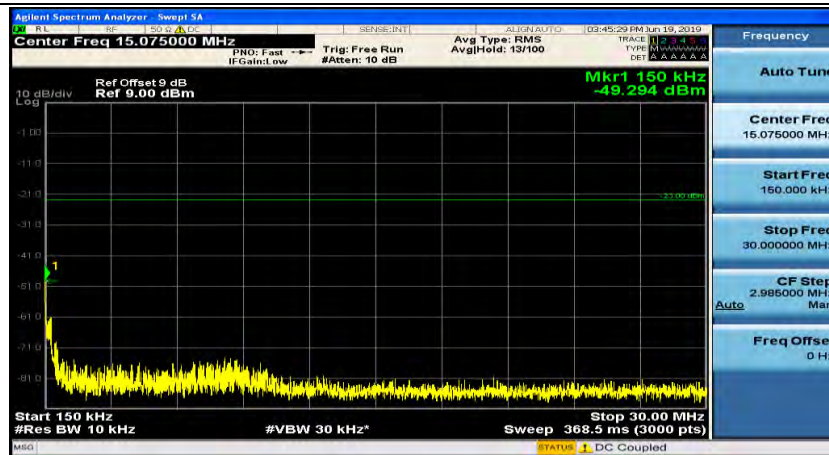
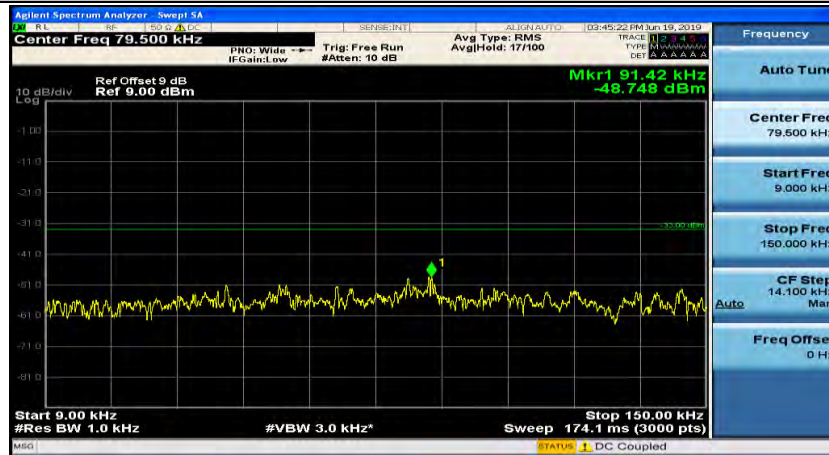
Channel Bandwidth: 10 MHz



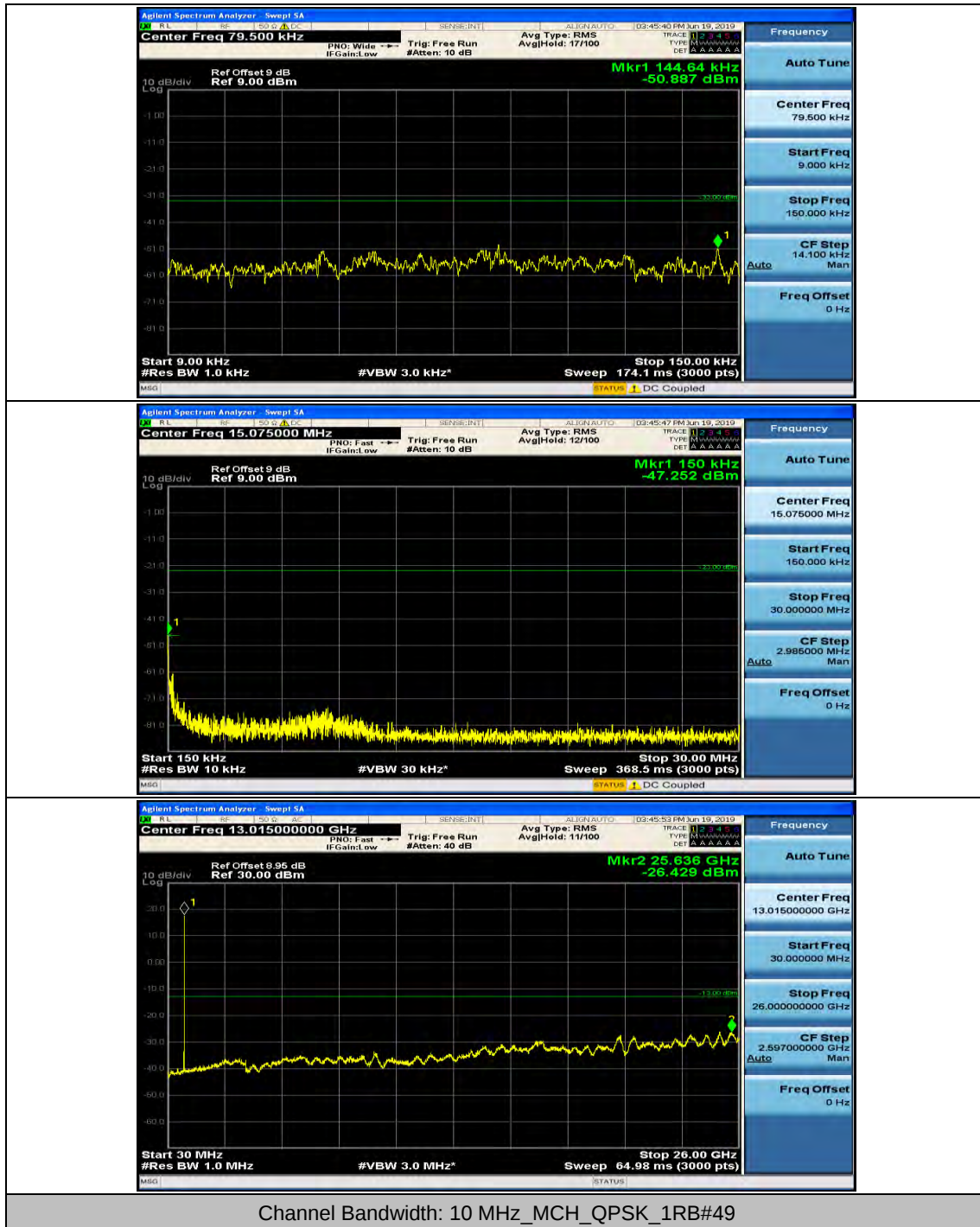


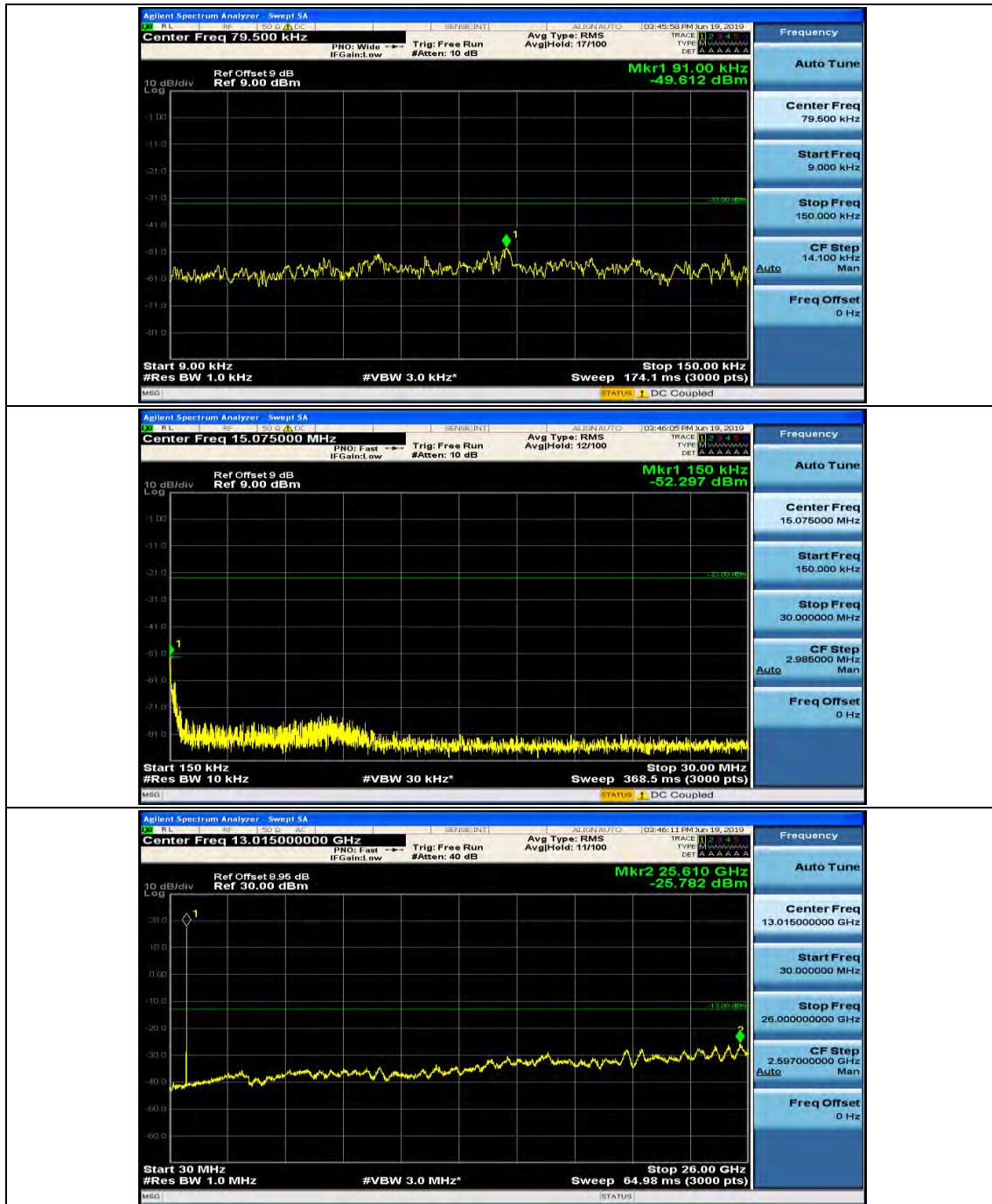


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

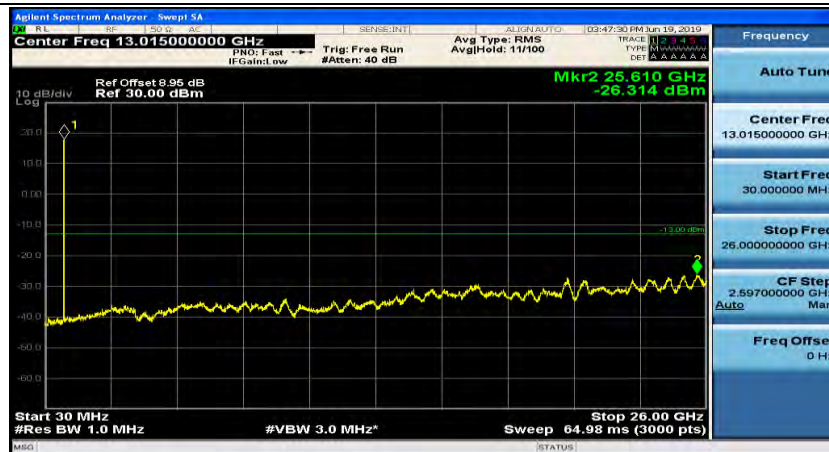
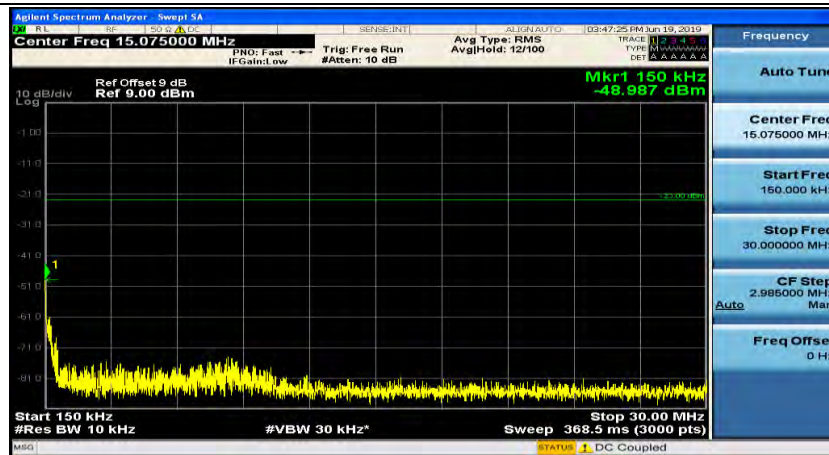
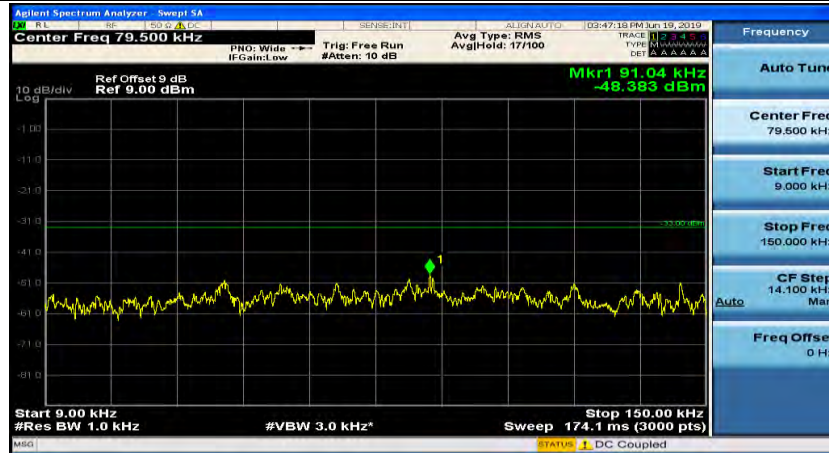


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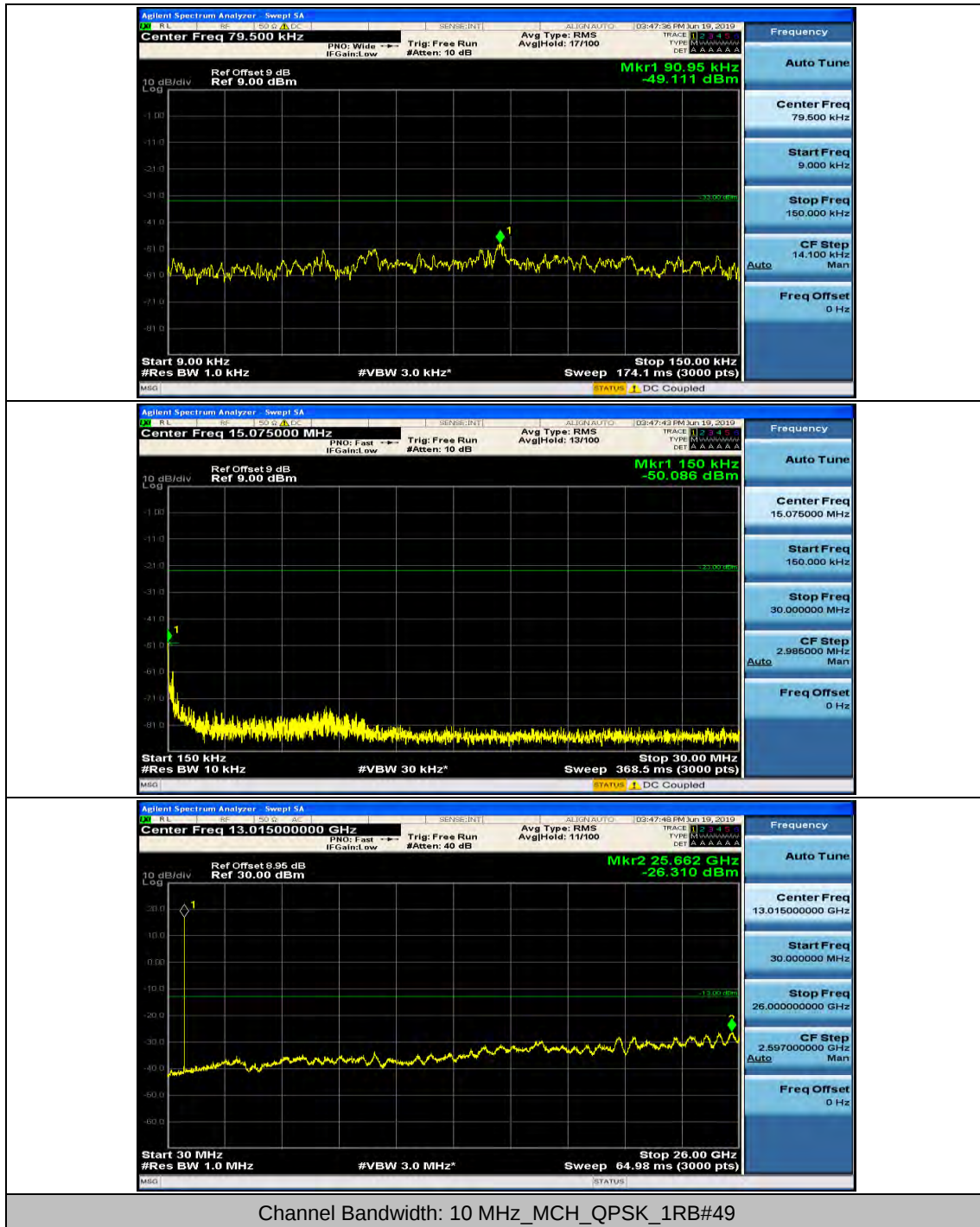


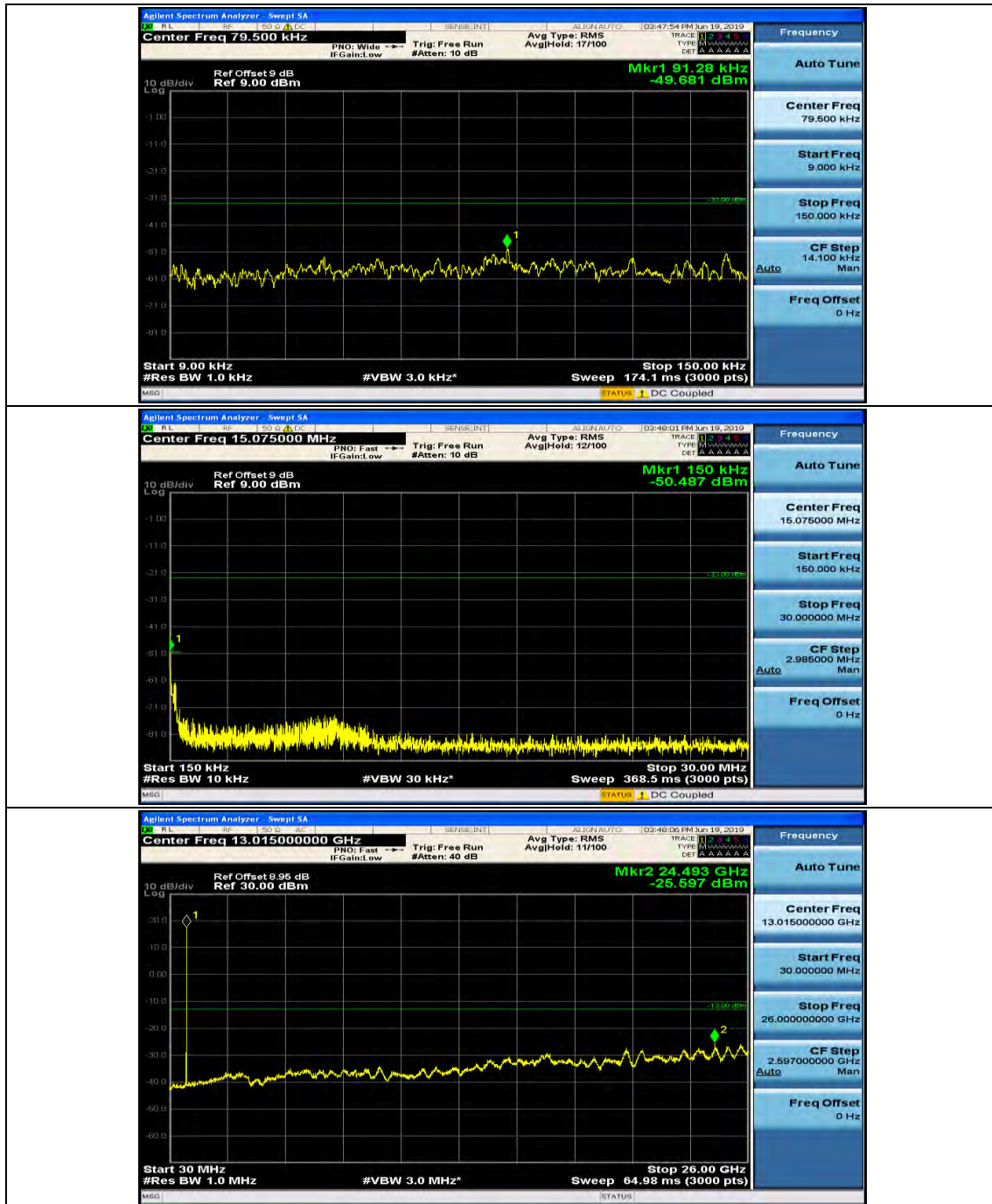


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

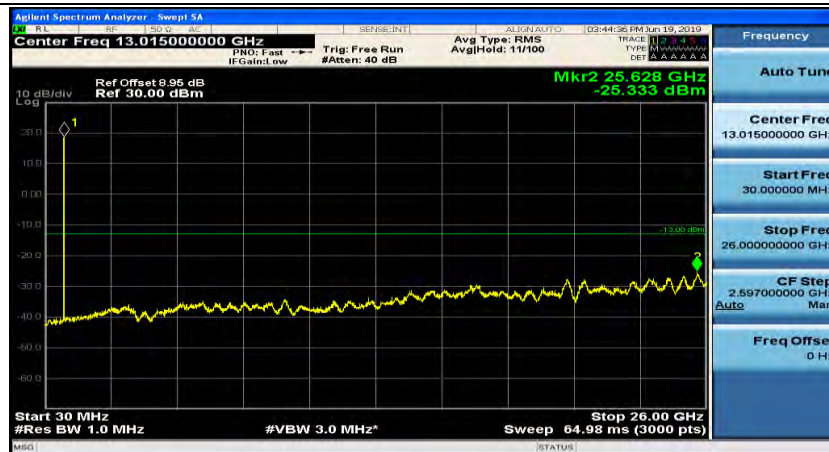
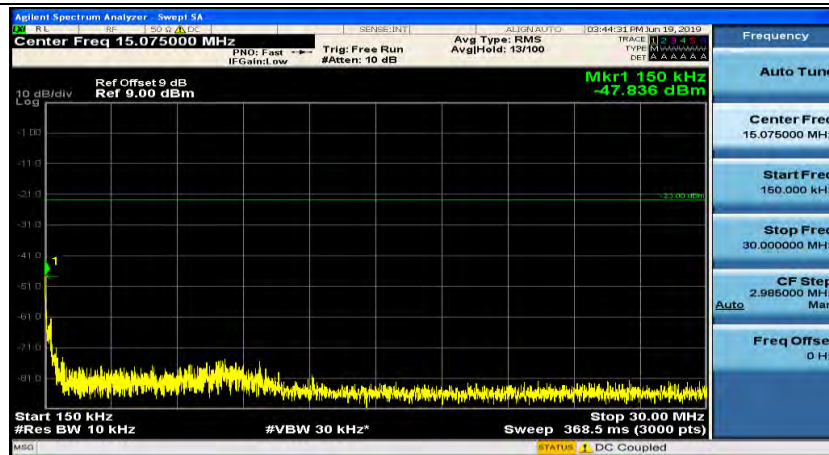


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

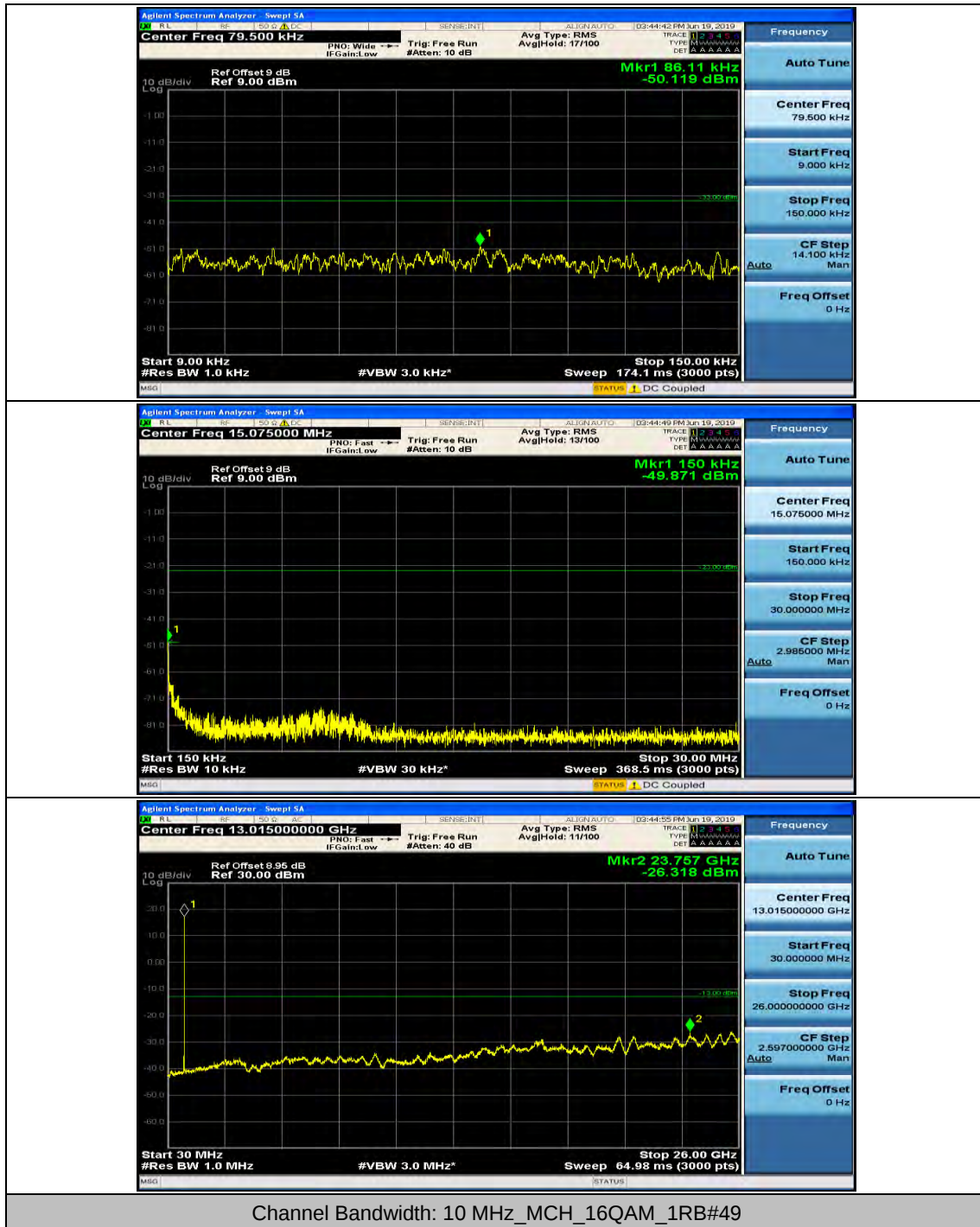


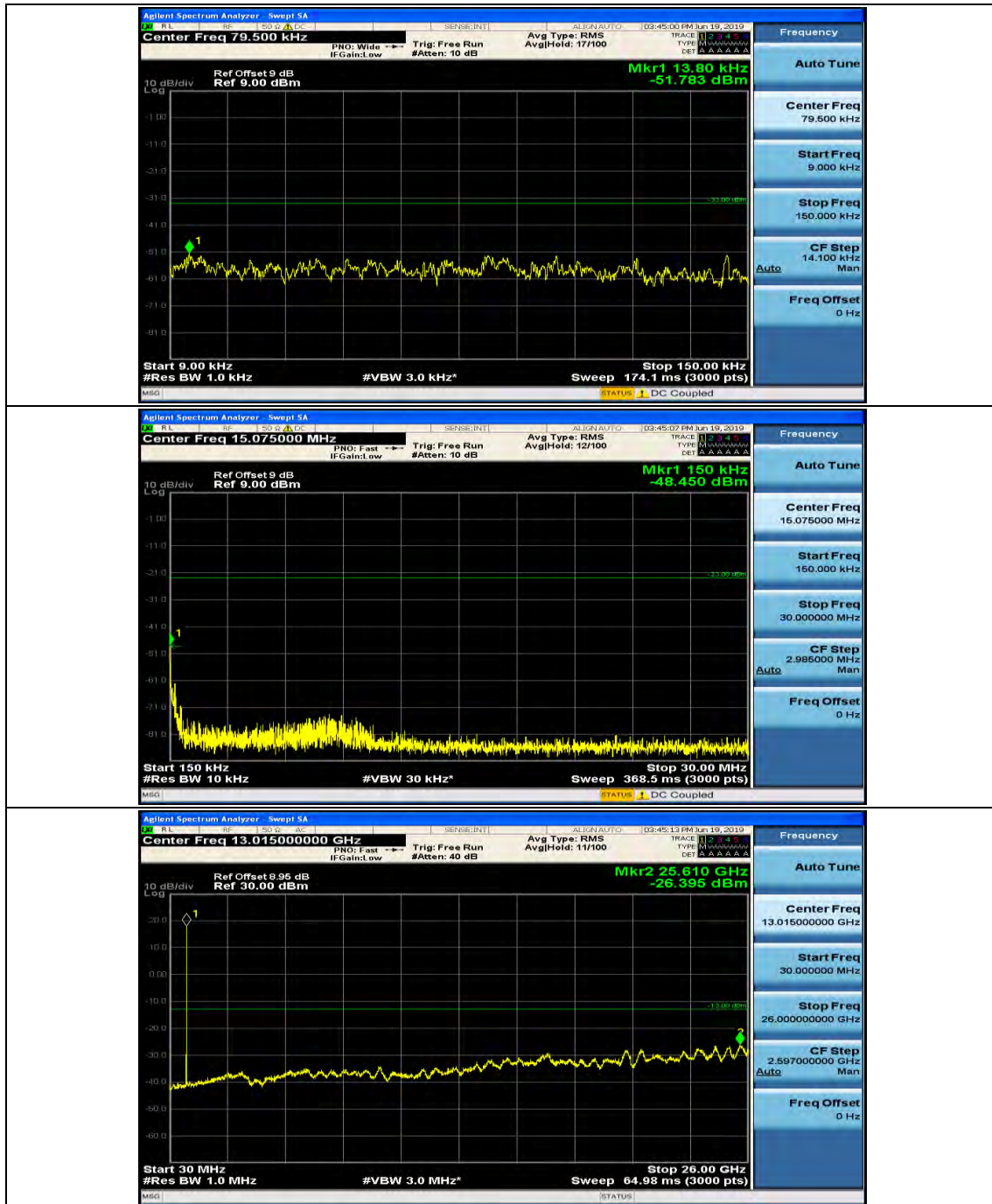


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

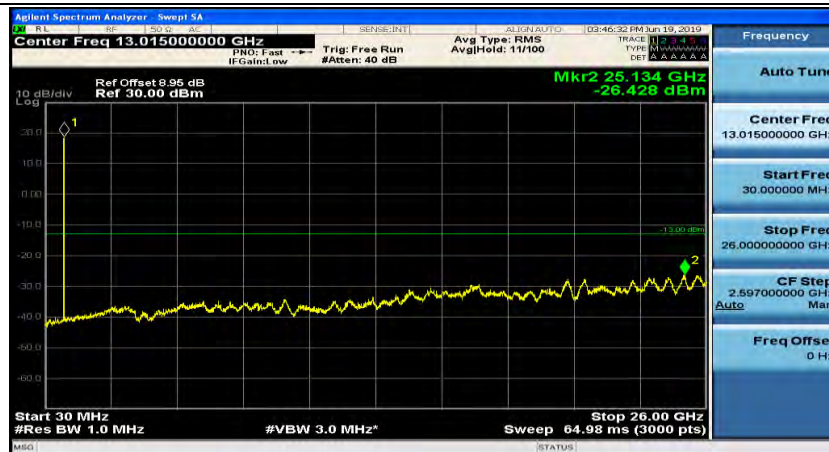
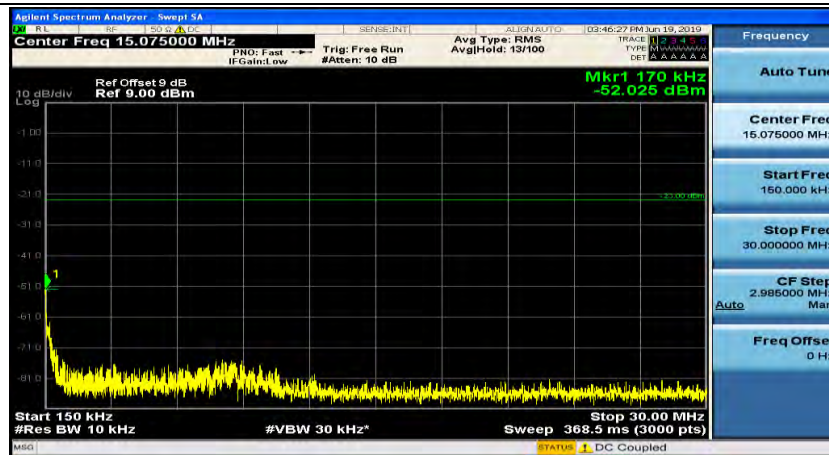


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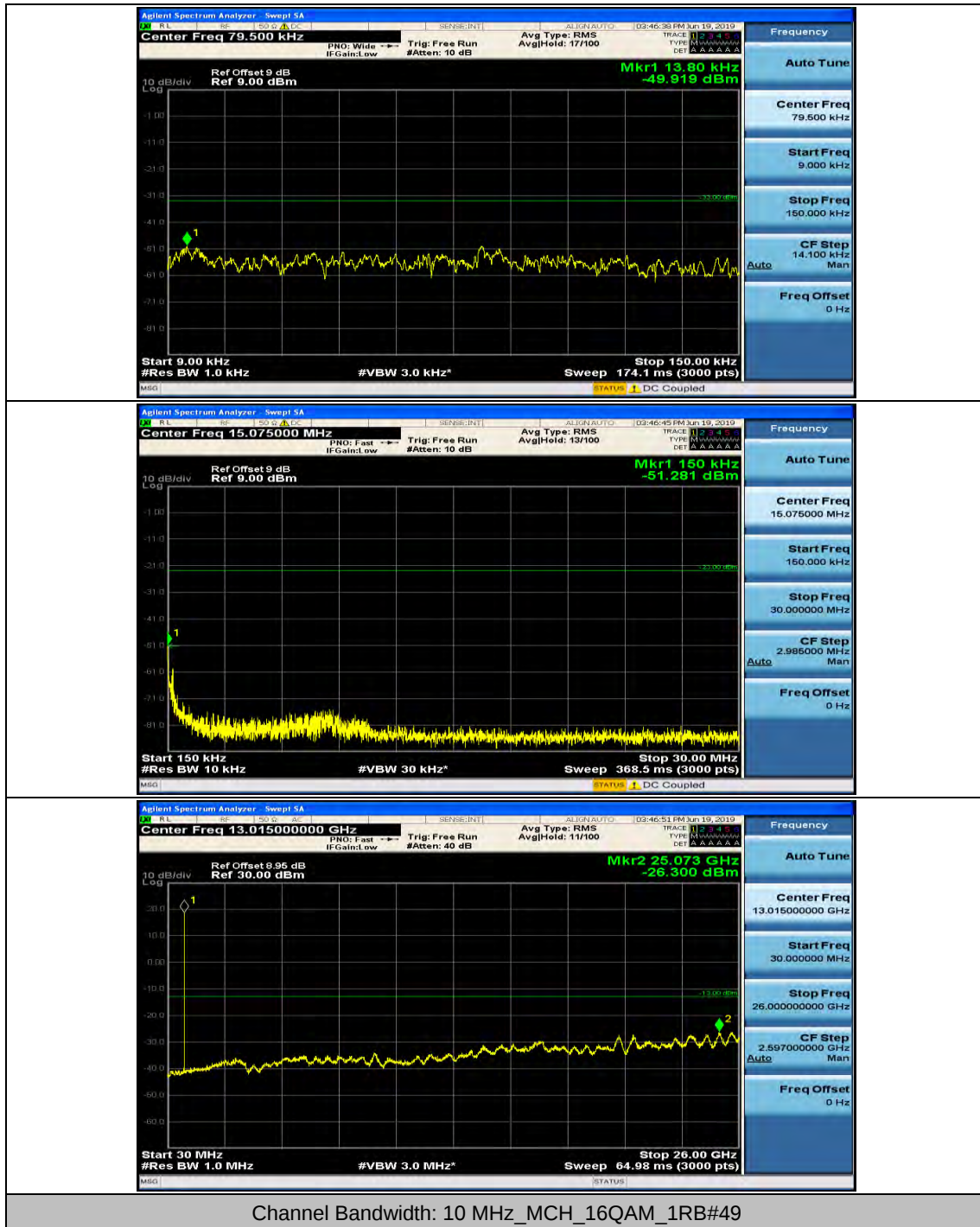


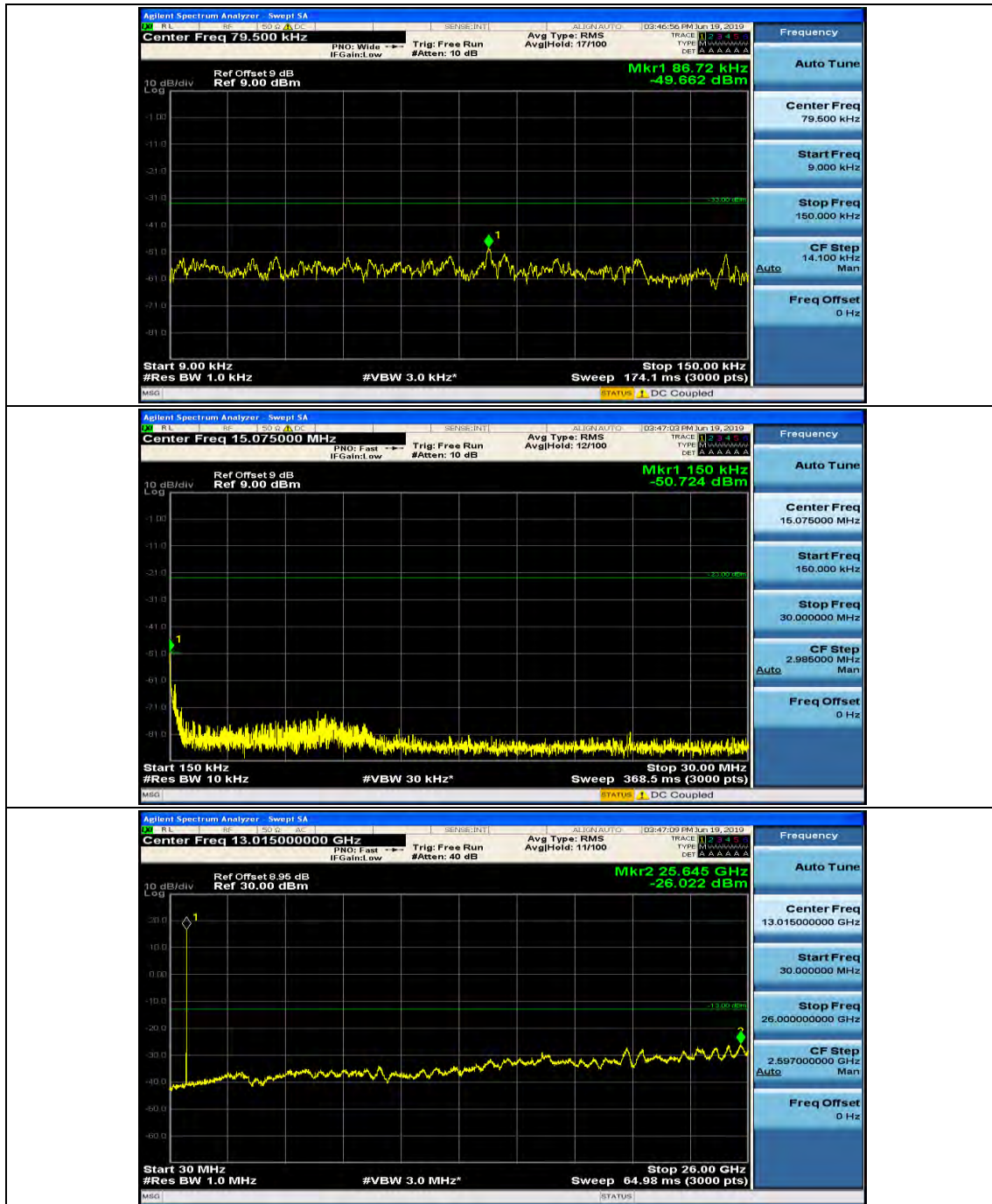


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

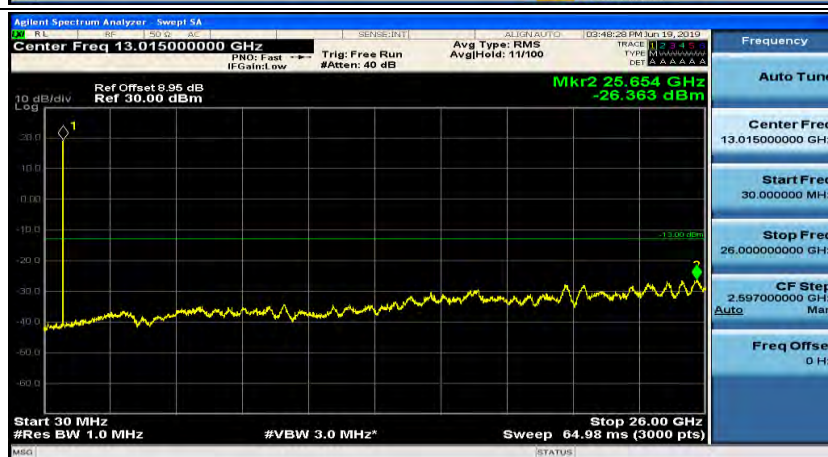
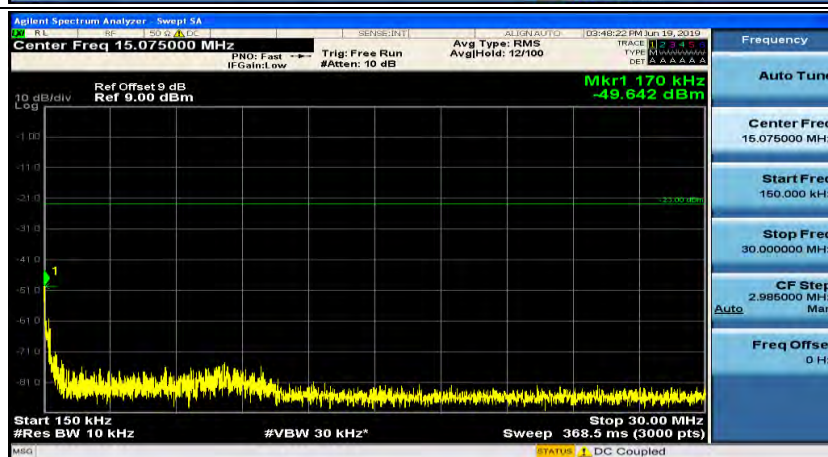
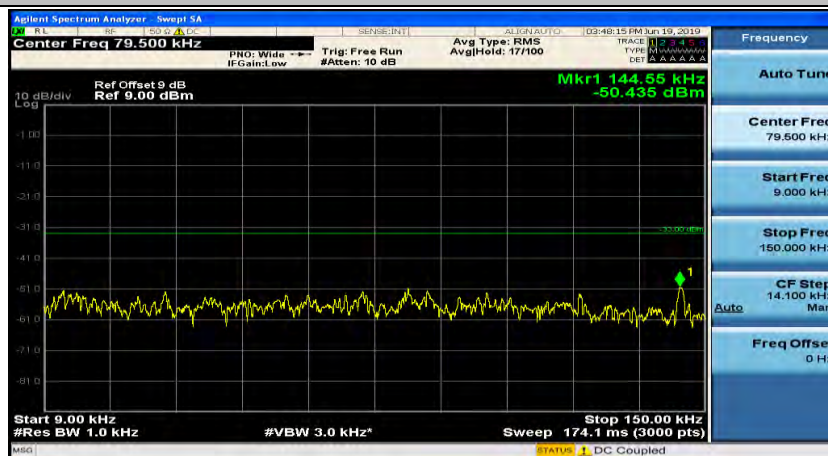


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

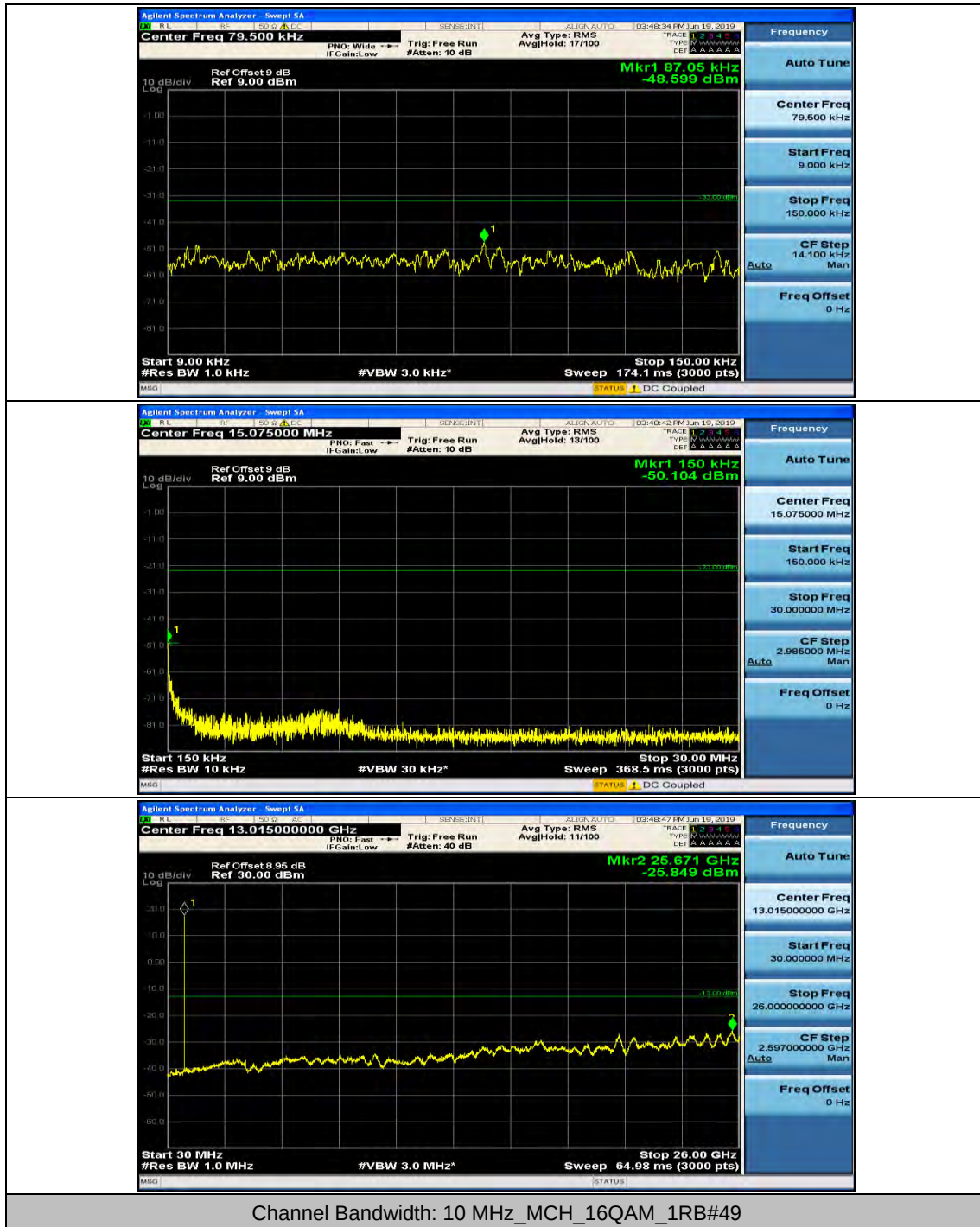


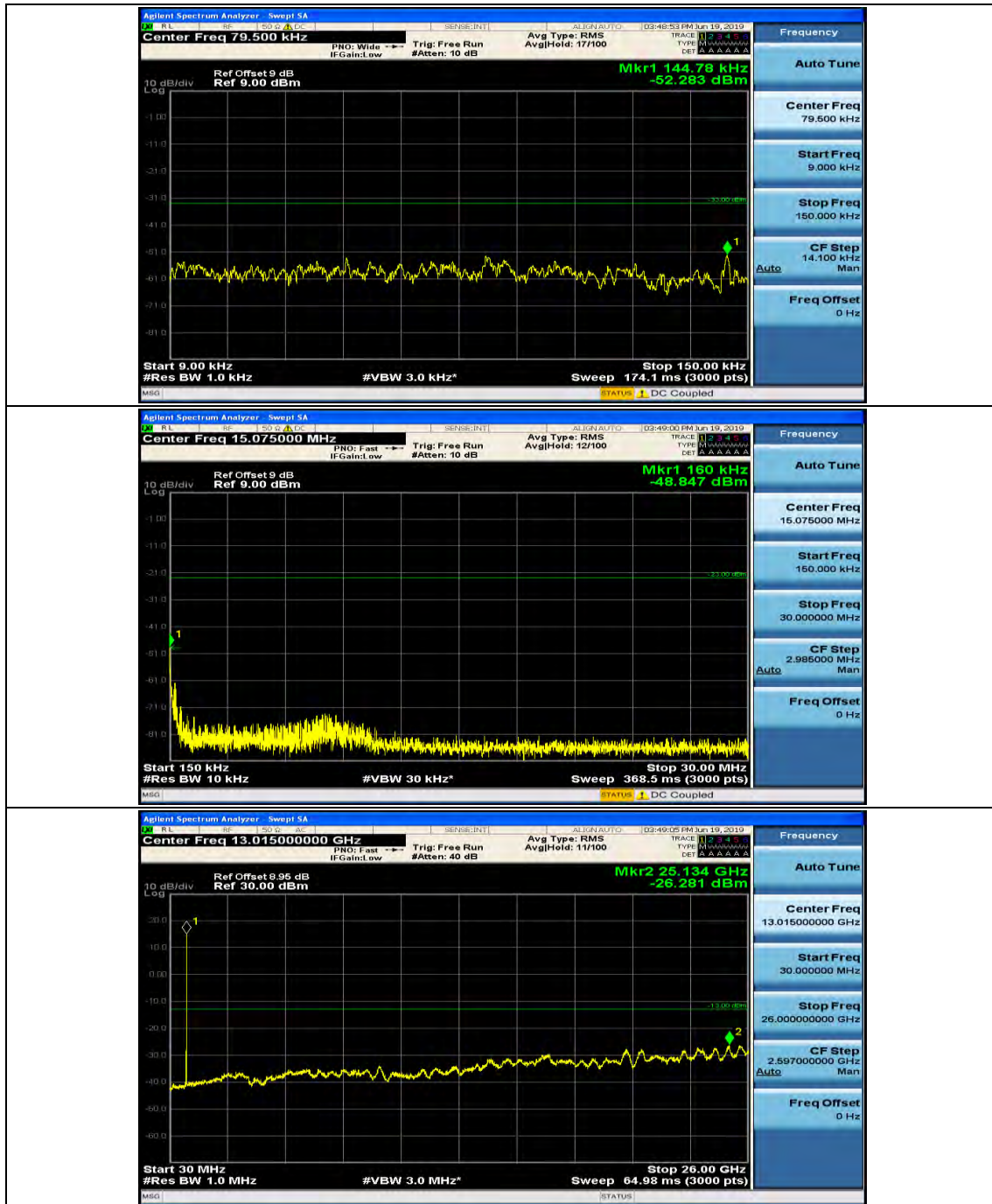


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



Channel Bandwidth: 10 MHz_MCH_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	4.05	0.005196	± 2.5	PASS
		VN	TN	0.82	0.001052	± 2.5	PASS
		VH	TN	-0.22	-0.000282	± 2.5	PASS
	MCH	VL	TN	3.22	0.004118	± 2.5	PASS
		VN	TN	4.41	0.005639	± 2.5	PASS
		VH	TN	4.4	0.005627	± 2.5	PASS
	HCH	VL	TN	4.3	0.005481	± 2.5	PASS
		VN	TN	-0.41	-0.000523	± 2.5	PASS
		VH	TN	2.38	0.003034	± 2.5	PASS
16QAM	LCH	VL	TN	1.06	0.001360	± 2.5	PASS
		VN	TN	0.45	0.000577	± 2.5	PASS
		VH	TN	3.96	0.005080	± 2.5	PASS
	MCH	VL	TN	4.12	0.005269	± 2.5	PASS
		VN	TN	4.72	0.006036	± 2.5	PASS
		VH	TN	-1.85	-0.002366	± 2.5	PASS
	HCH	VL	TN	0.24	0.000306	± 2.5	PASS
		VN	TN	-1.62	-0.002065	± 2.5	PASS
		VH	TN	4.55	0.005800	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.5	0.003207	± 2.5	PASS
		VN	-20	-1.59	-0.002040	± 2.5	PASS
		VN	-10	1.86	0.002386	± 2.5	PASS
		VN	0	1.75	0.002245	± 2.5	PASS
		VN	10	2.86	0.003669	± 2.5	PASS
		VN	20	2.02	0.002591	± 2.5	PASS
		VN	30	2.29	0.002938	± 2.5	PASS
		VN	40	3.76	0.004824	± 2.5	PASS
		VN	50	0.96	0.001232	± 2.5	PASS
	MCH	VN	-30	1.25	0.001598	± 2.5	PASS

		VN	-20	4.04	0.005166	± 2.5	PASS
		VN	-10	2.84	0.003632	± 2.5	PASS
		VN	0	4.74	0.006061	± 2.5	PASS
		VN	10	0.87	0.001113	± 2.5	PASS
		VN	20	1.05	0.001343	± 2.5	PASS
		VN	30	4.39	0.005614	± 2.5	PASS
		VN	40	1.58	0.002020	± 2.5	PASS
		VN	50	-1.2	-0.001535	± 2.5	PASS
	HCH	VN	-30	0.18	0.000229	± 2.5	PASS
		VN	-20	1.53	0.001950	± 2.5	PASS
		VN	-10	0.5	0.000637	± 2.5	PASS
		VN	0	4.09	0.005214	± 2.5	PASS
		VN	10	3.01	0.003837	± 2.5	PASS
		VN	20	1.86	0.002371	± 2.5	PASS
		VN	30	0.61	0.000778	± 2.5	PASS
		VN	40	-1.51	-0.001925	± 2.5	PASS
16QAM	LCH	VN	50	-0.55	-0.000701	± 2.5	PASS
		VN	-30	-1.79	-0.002296	± 2.5	PASS
		VN	-20	3.91	0.005016	± 2.5	PASS
		VN	-10	1.24	0.001591	± 2.5	PASS
		VN	0	4.84	0.006209	± 2.5	PASS
		VN	10	1.24	0.001591	± 2.5	PASS
		VN	20	0.81	0.001039	± 2.5	PASS
		VN	30	-0.25	-0.000321	± 2.5	PASS
		VN	40	4.52	0.005799	± 2.5	PASS
	MCH	VN	50	0.69	0.000885	± 2.5	PASS
		VN	-30	3.51	0.004488	± 2.5	PASS
		VN	-20	4.1	0.005243	± 2.5	PASS
		VN	-10	-0.17	-0.000217	± 2.5	PASS
		VN	0	0.32	0.000409	± 2.5	PASS
		VN	10	0.26	0.000332	± 2.5	PASS
		VN	20	-0.55	-0.000703	± 2.5	PASS
		VN	30	0.44	0.000563	± 2.5	PASS
		VN	40	3.88	0.004962	± 2.5	PASS
	HCH	VN	50	1.37	0.001752	± 2.5	PASS
		VN	-30	-0.17	-0.000217	± 2.5	PASS
		VN	-20	-0.82	-0.001045	± 2.5	PASS
		VN	-10	-0.5	-0.000637	± 2.5	PASS
		VN	0	3.59	0.004576	± 2.5	PASS
		VN	10	-0.67	-0.000854	± 2.5	PASS
		VN	20	1.65	0.002103	± 2.5	PASS

		VN	30	0.76	0.000969	± 2.5	PASS
		VN	40	-0.64	-0.000816	± 2.5	PASS
		VN	50	4.46	0.005685	± 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	MCH	VL	TN	0.27	0.000345	± 2.5	PASS
		VN	TN	2.29	0.002928	± 2.5	PASS
		VH	TN	0.88	0.001125	± 2.5	PASS
16QAM	MCH	VL	TN	4.49	0.005742	± 2.5	PASS
		VN	TN	-1.26	-0.001611	± 2.5	PASS
		VH	TN	4.89	0.006253	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	MCH	VN	-30	2.58	0.003299	± 2.5	PASS
		VN	-20	0.61	0.000780	± 2.5	PASS
		VN	-10	0.13	0.000166	± 2.5	PASS
		VN	0	4.22	0.005396	± 2.5	PASS
		VN	10	1.9	0.002430	± 2.5	PASS
		VN	20	0.62	0.000793	± 2.5	PASS
		VN	30	2.67	0.003414	± 2.5	PASS
		VN	40	0.69	0.000882	± 2.5	PASS
		VN	50	1.11	0.001419	± 2.5	PASS
QPSK	MCH	VN	-30	-0.26	-0.000332	± 2.5	PASS
		VN	-20	2.43	0.003107	± 2.5	PASS
		VN	-10	-0.71	-0.000908	± 2.5	PASS
		VN	0	3.52	0.004501	± 2.5	PASS
		VN	10	0.53	0.000678	± 2.5	PASS
		VN	20	1.13	0.001445	± 2.5	PASS
		VN	30	4.01	0.005128	± 2.5	PASS
		VN	40	1.47	0.001880	± 2.5	PASS
		VN	50	-0.62	-0.000793	± 2.5	PASS