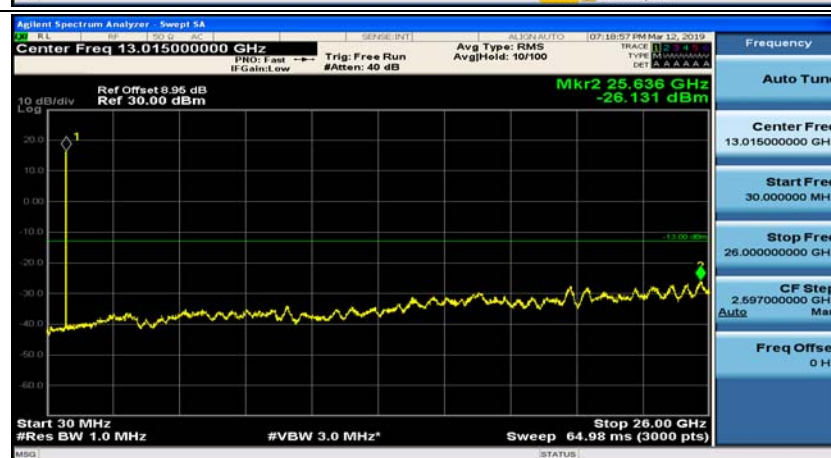
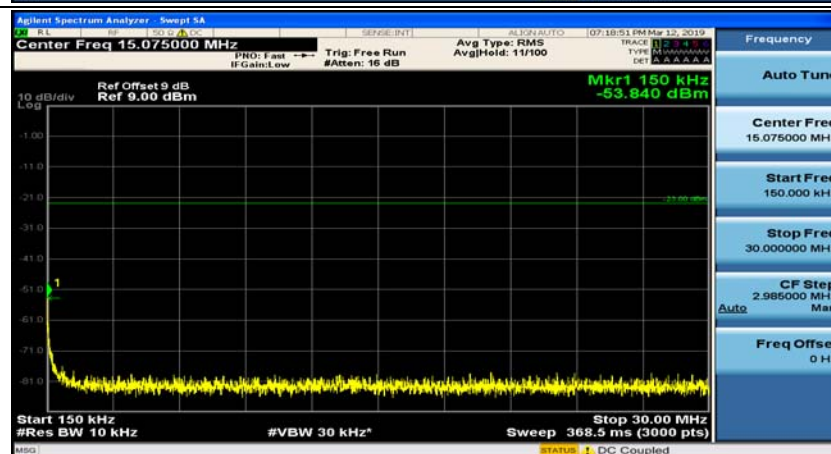
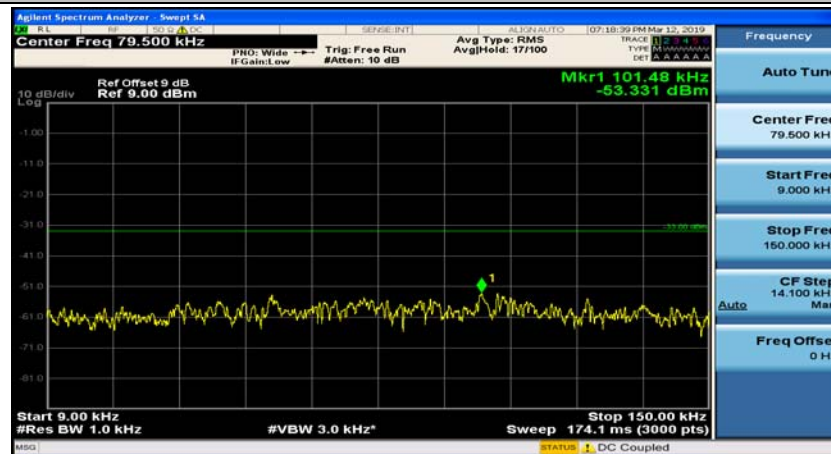


## Appendix E: Conducted Spurious Emission

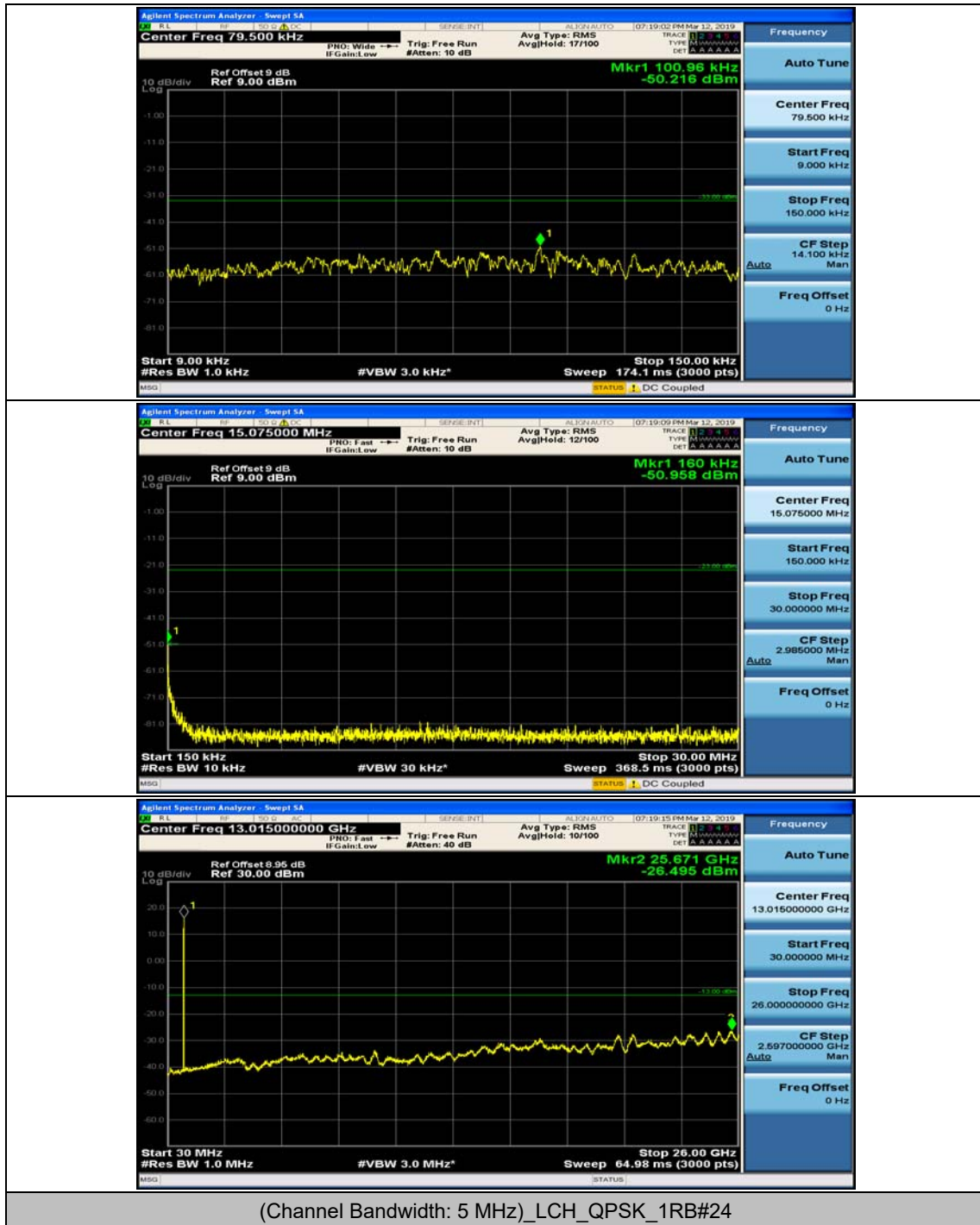
### Test Graphs

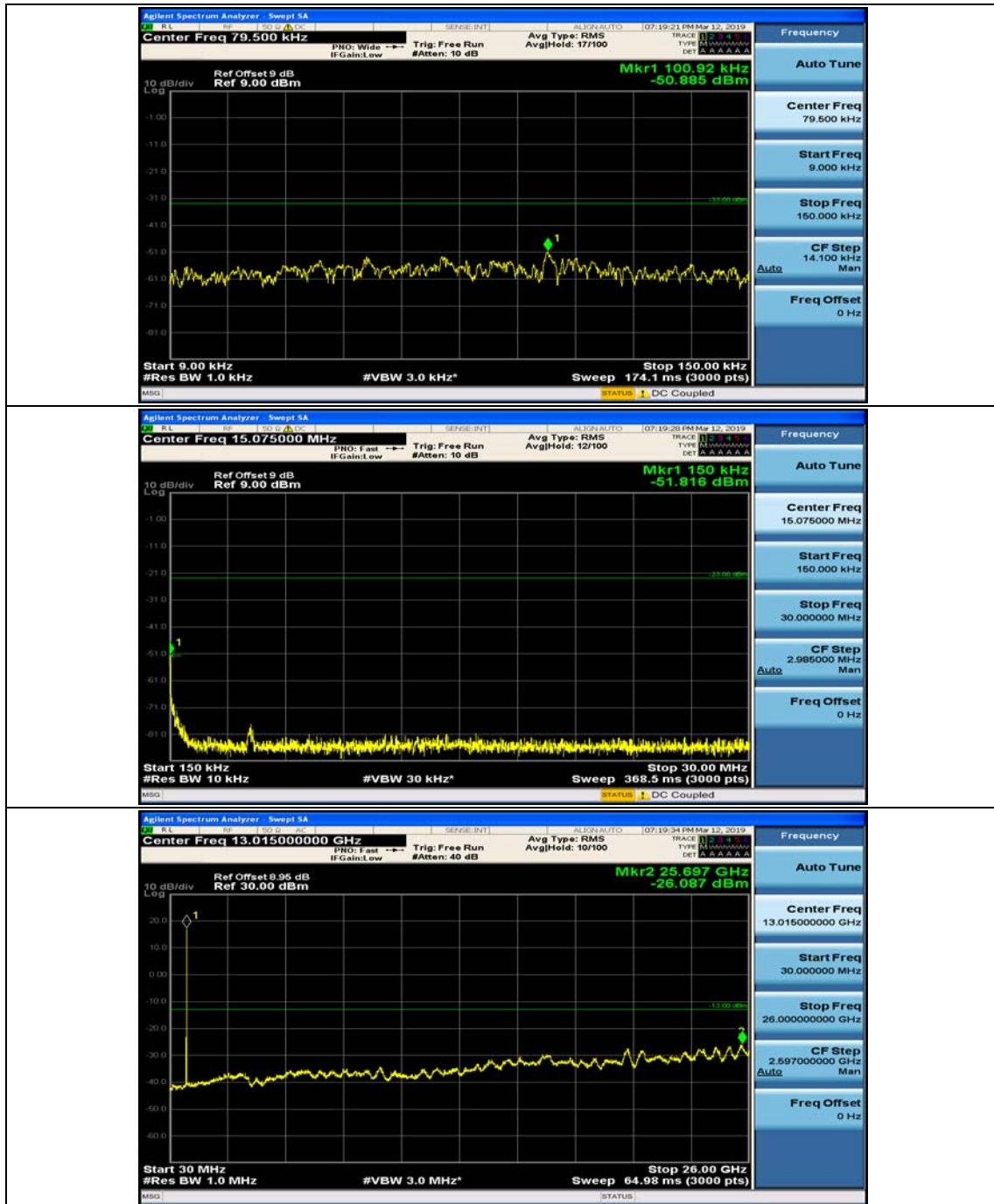
Channel Bandwidth: 5 MHz

(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#0

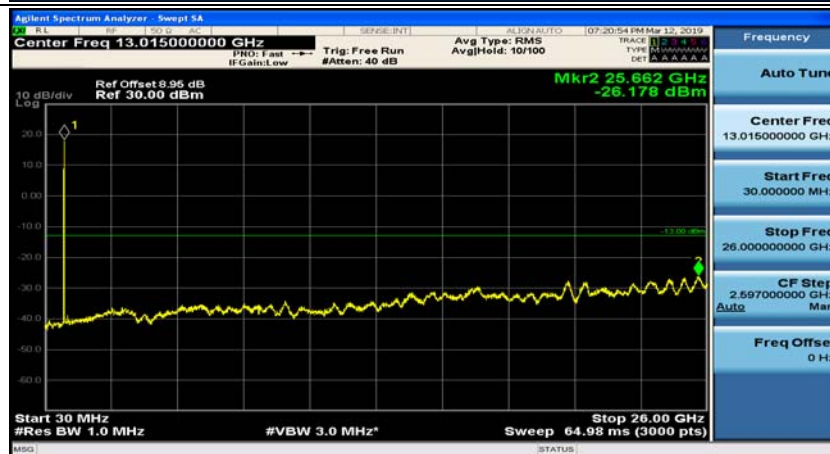
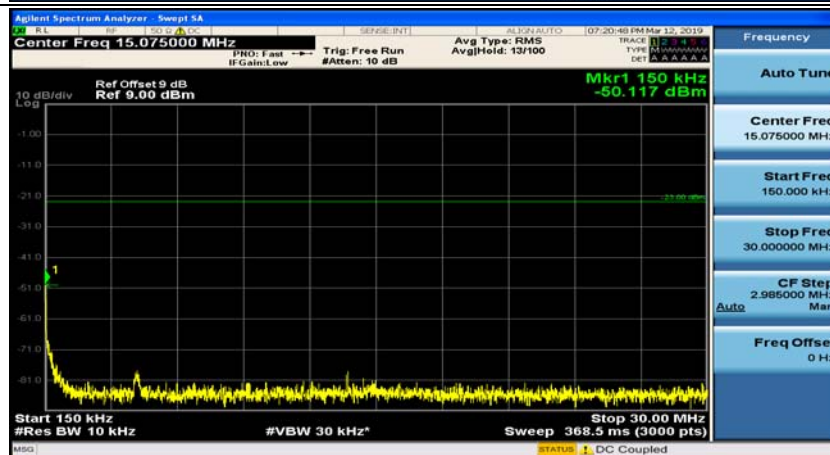


(Channel Bandwidth: 5 MHz)\_LCH\_QPSK\_1RB#12



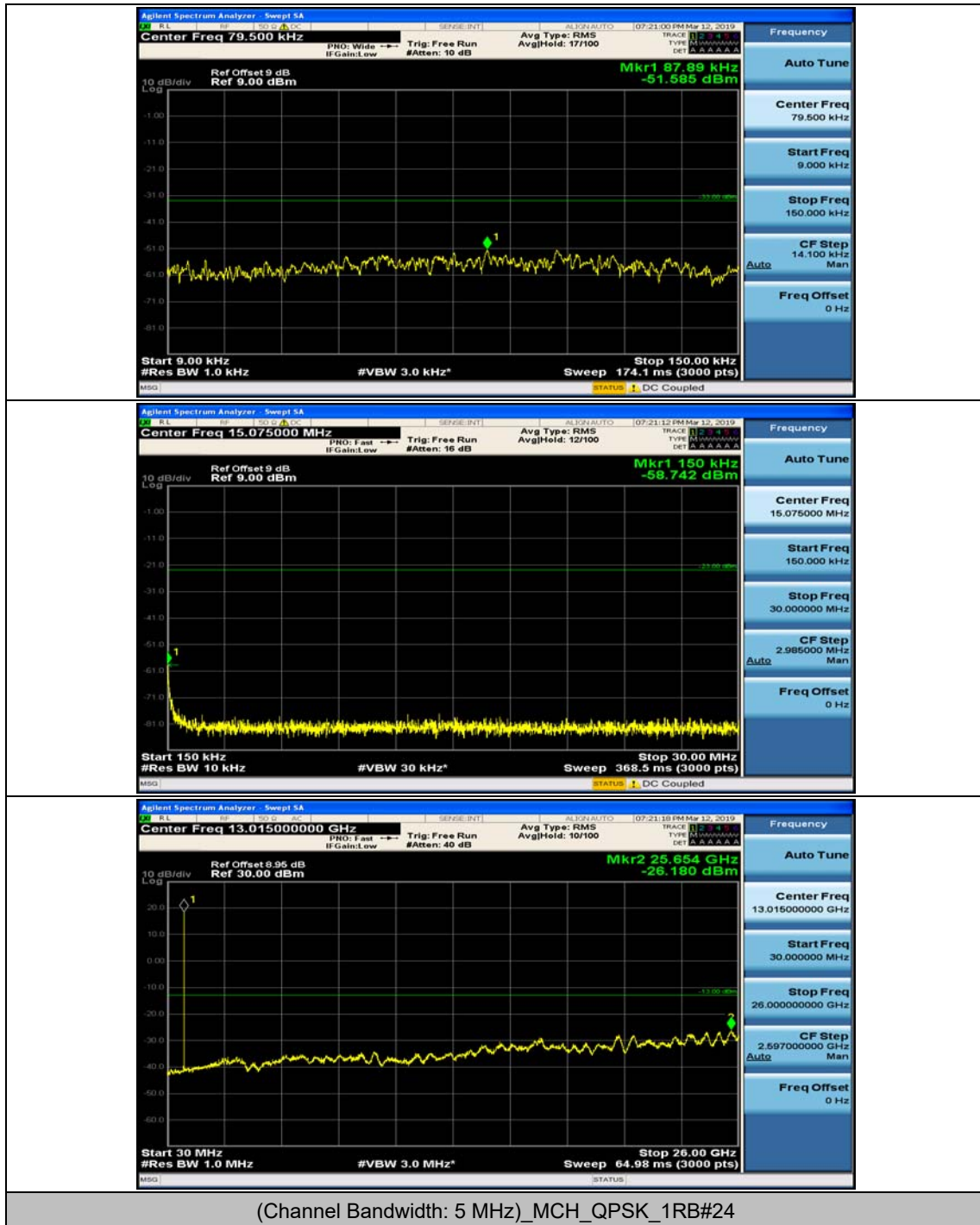


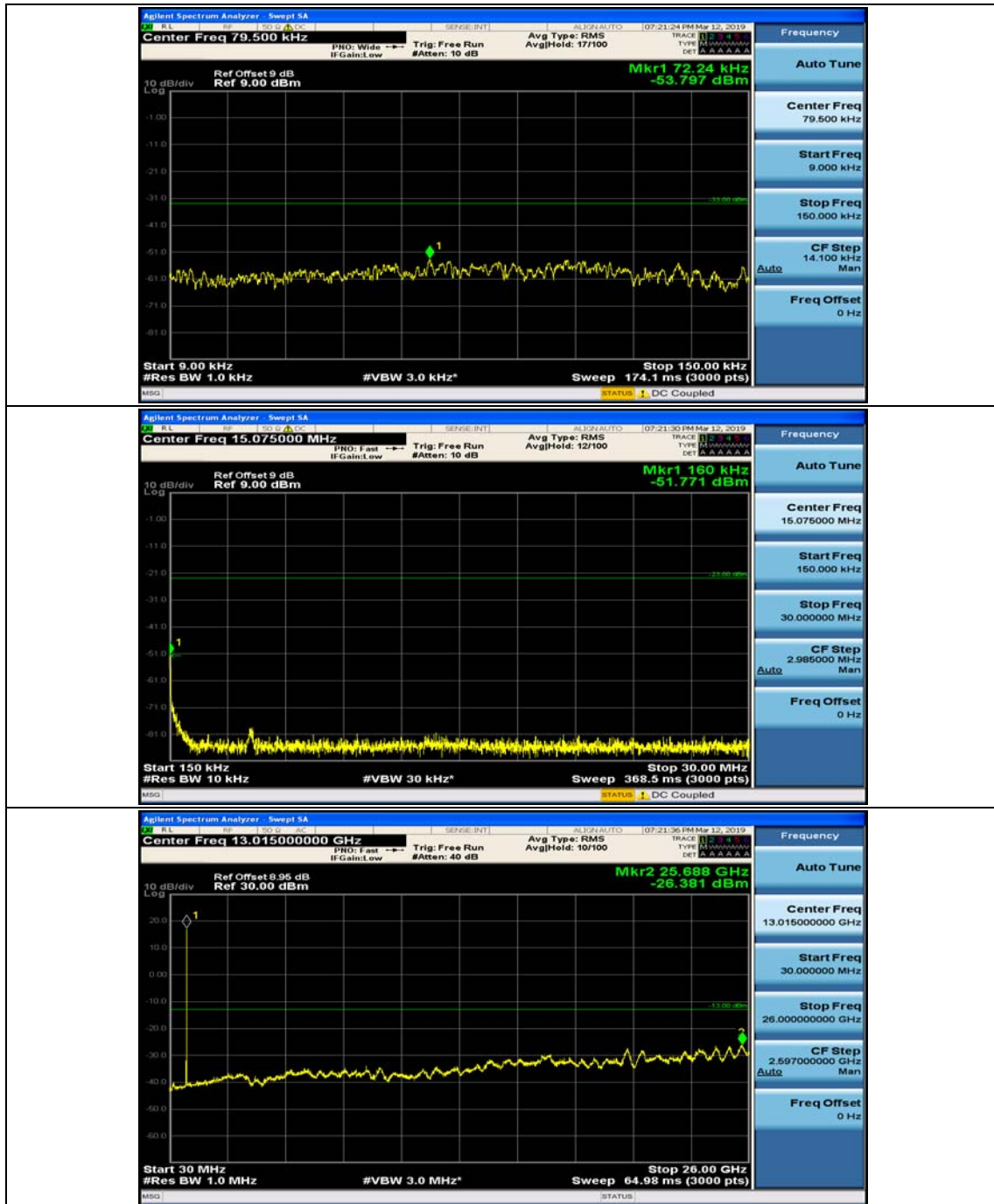
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#0



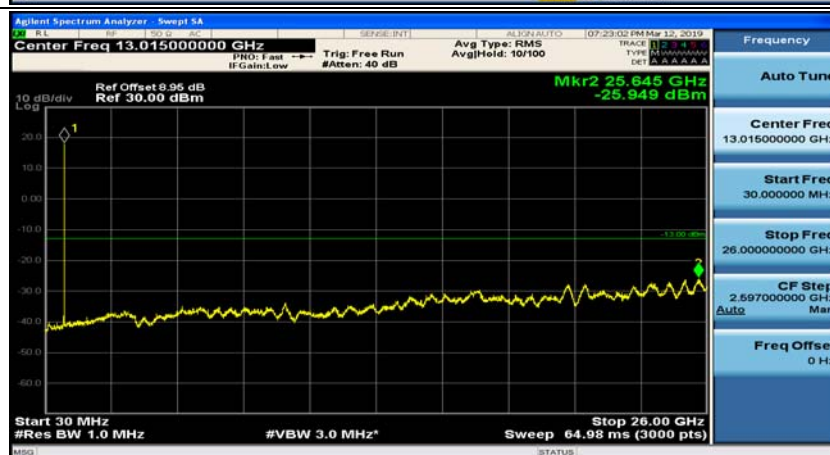
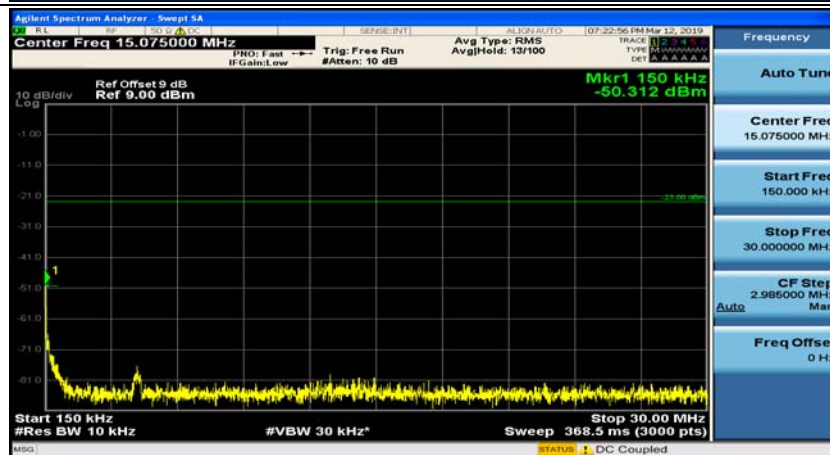
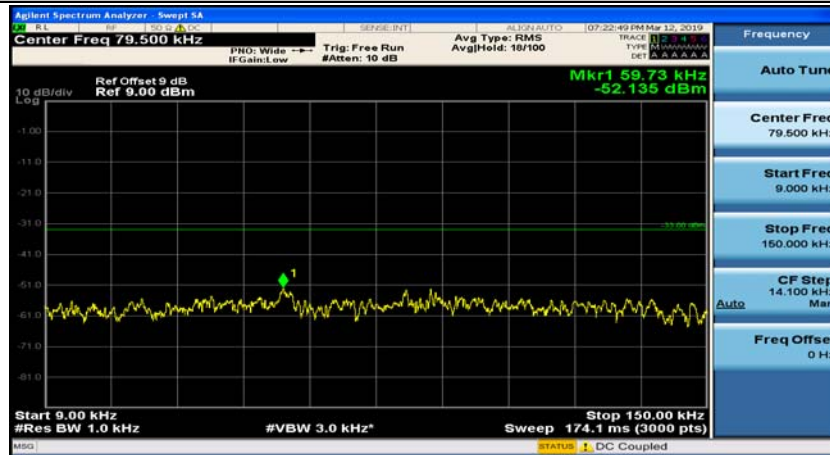
(Channel Bandwidth: 5 MHz)\_MCH\_QPSK\_1RB#12





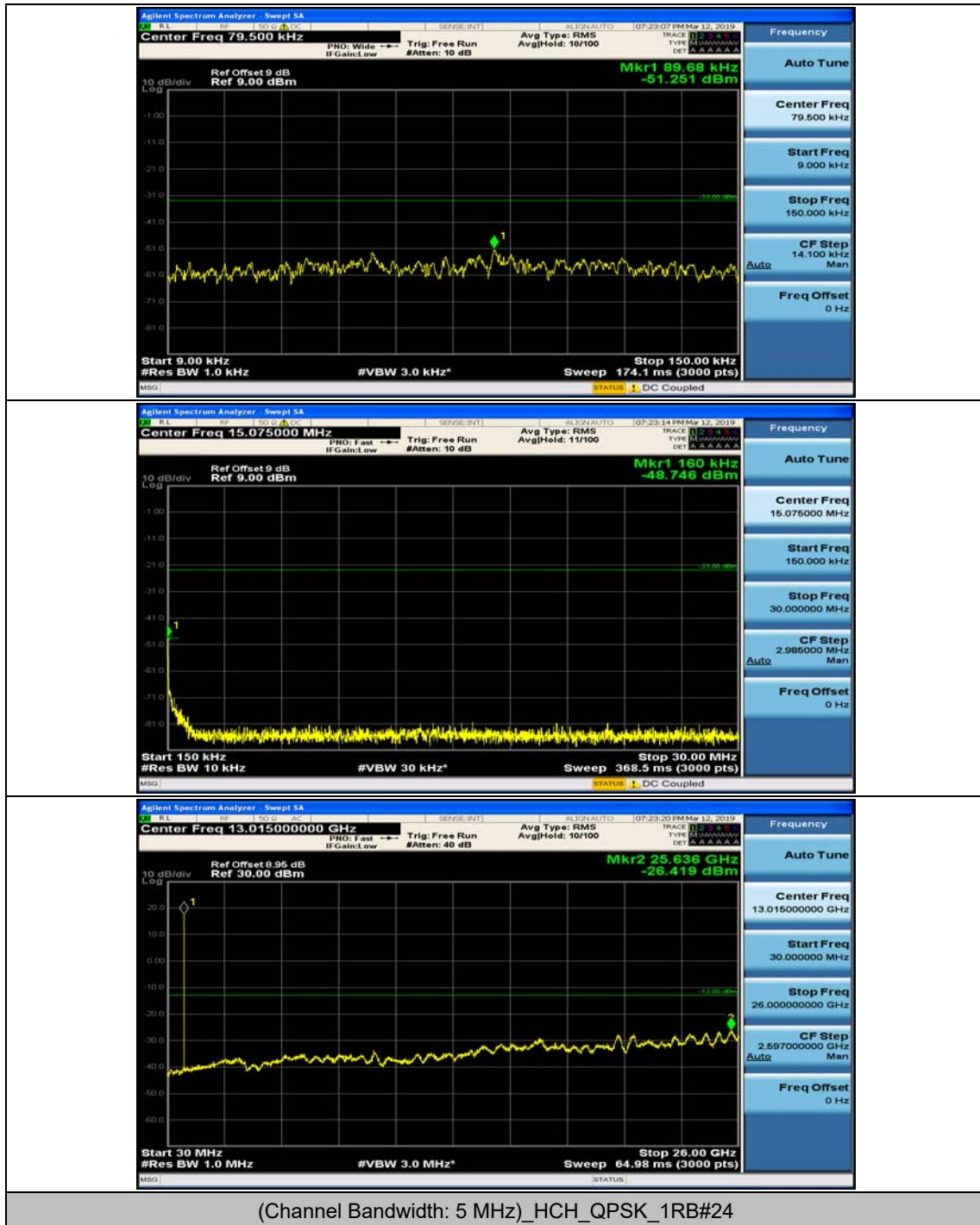


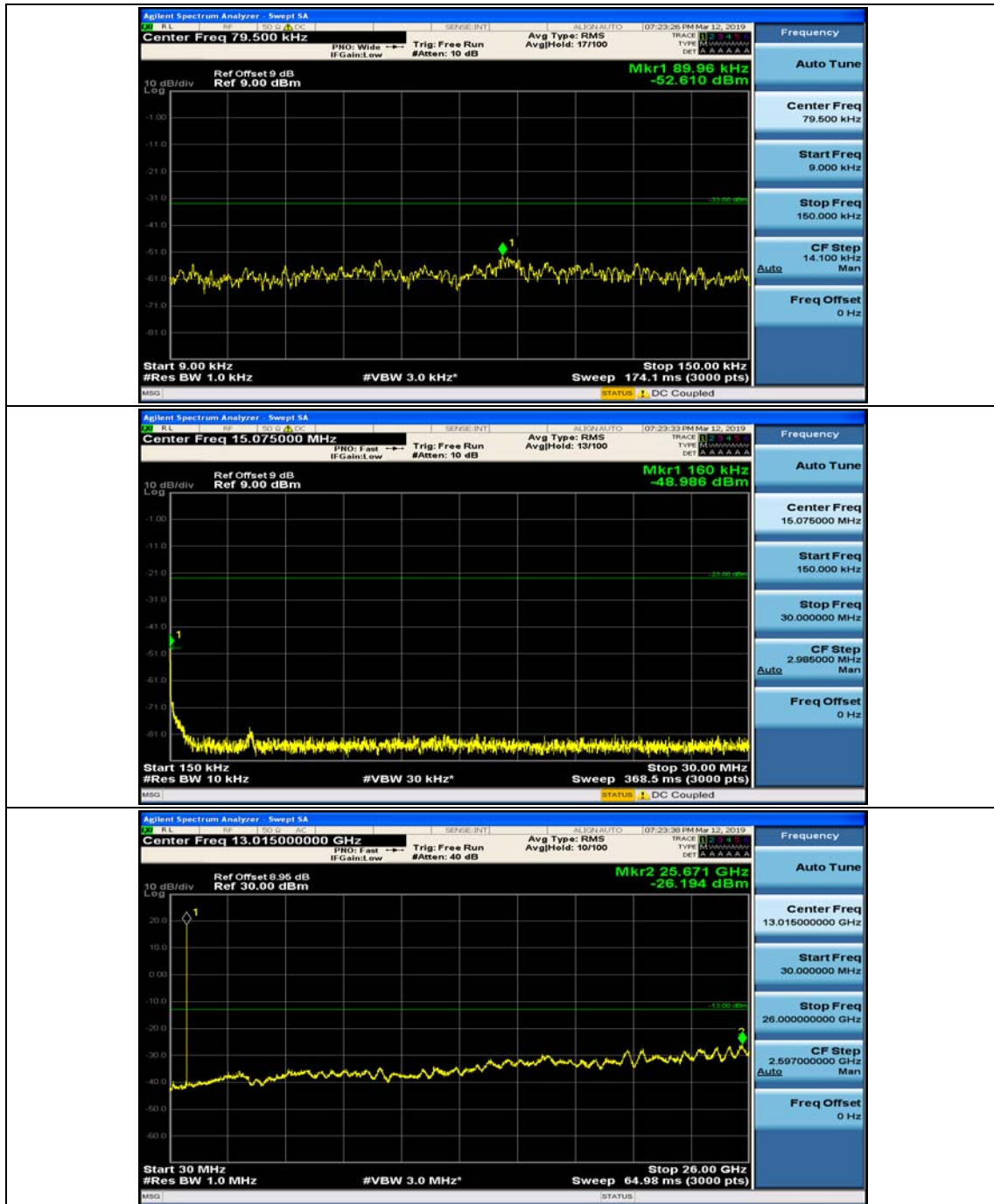
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#0



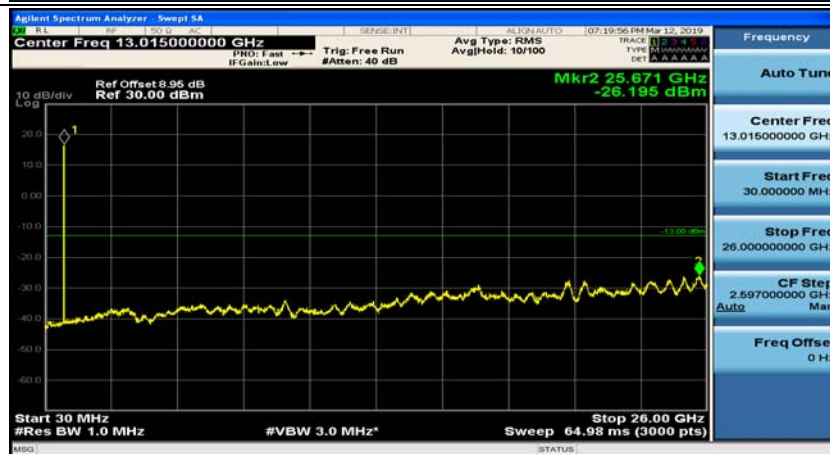
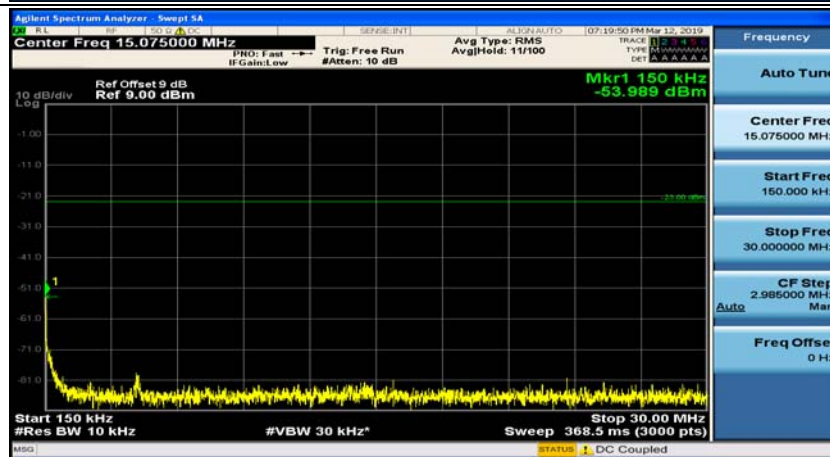
(Channel Bandwidth: 5 MHz)\_HCH\_QPSK\_1RB#12



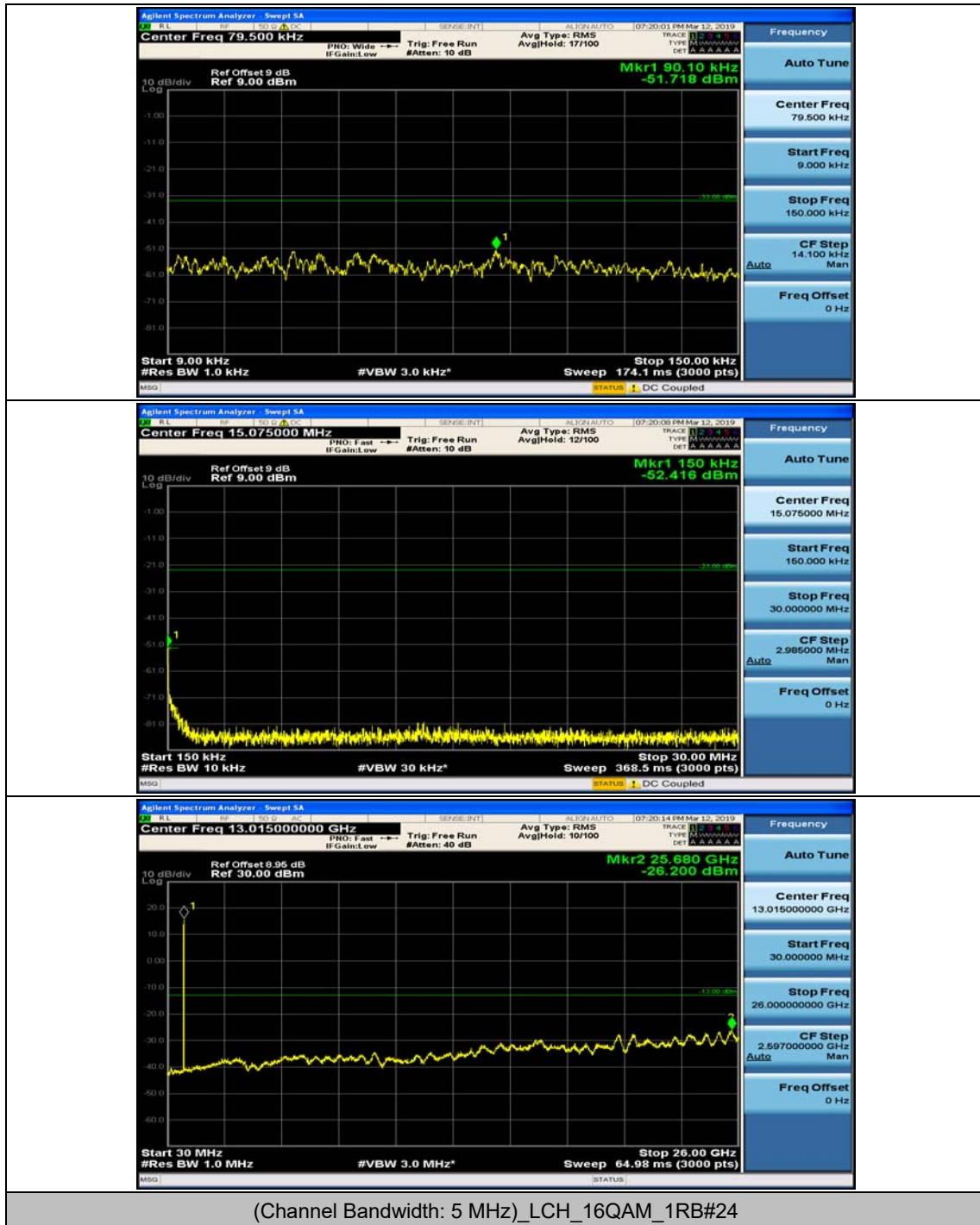


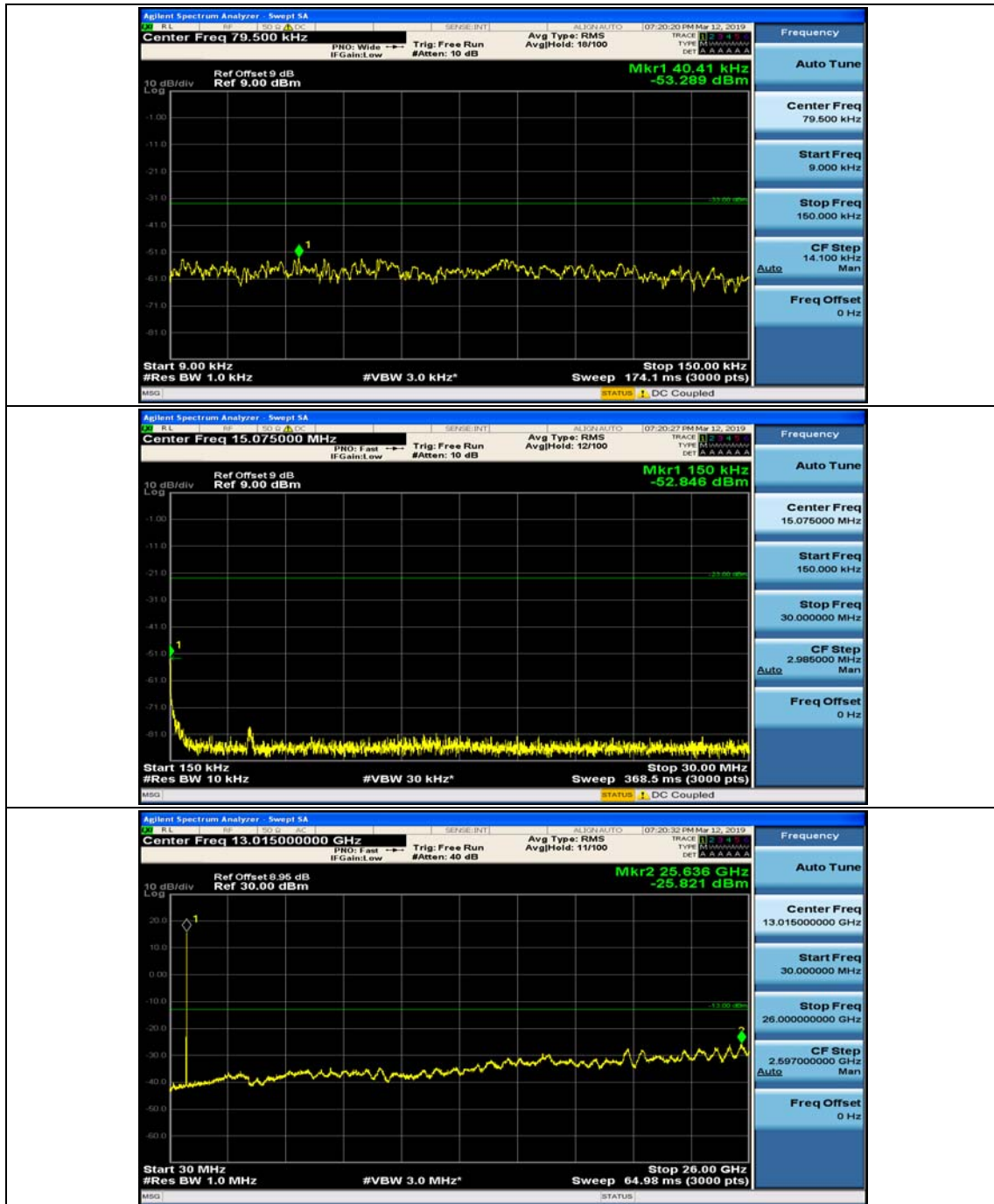


(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#0



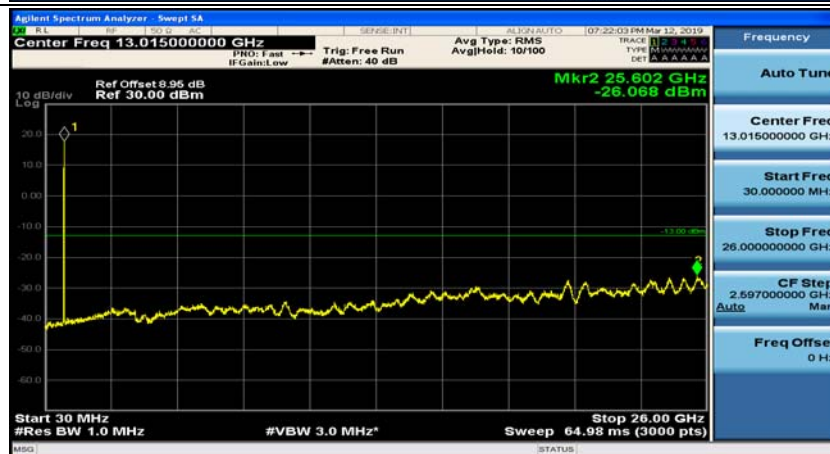
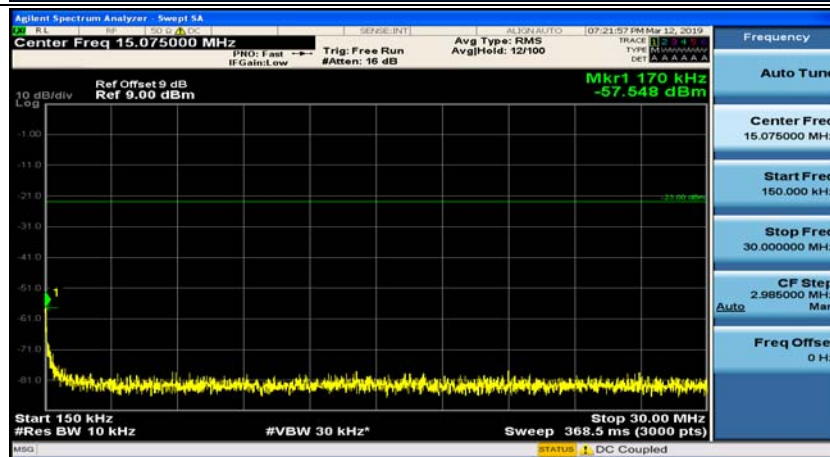
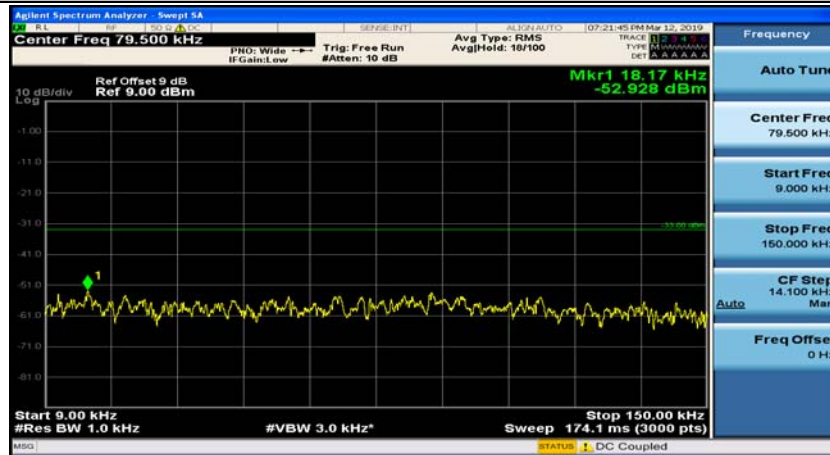
(Channel Bandwidth: 5 MHz)\_LCH\_16QAM\_1RB#12



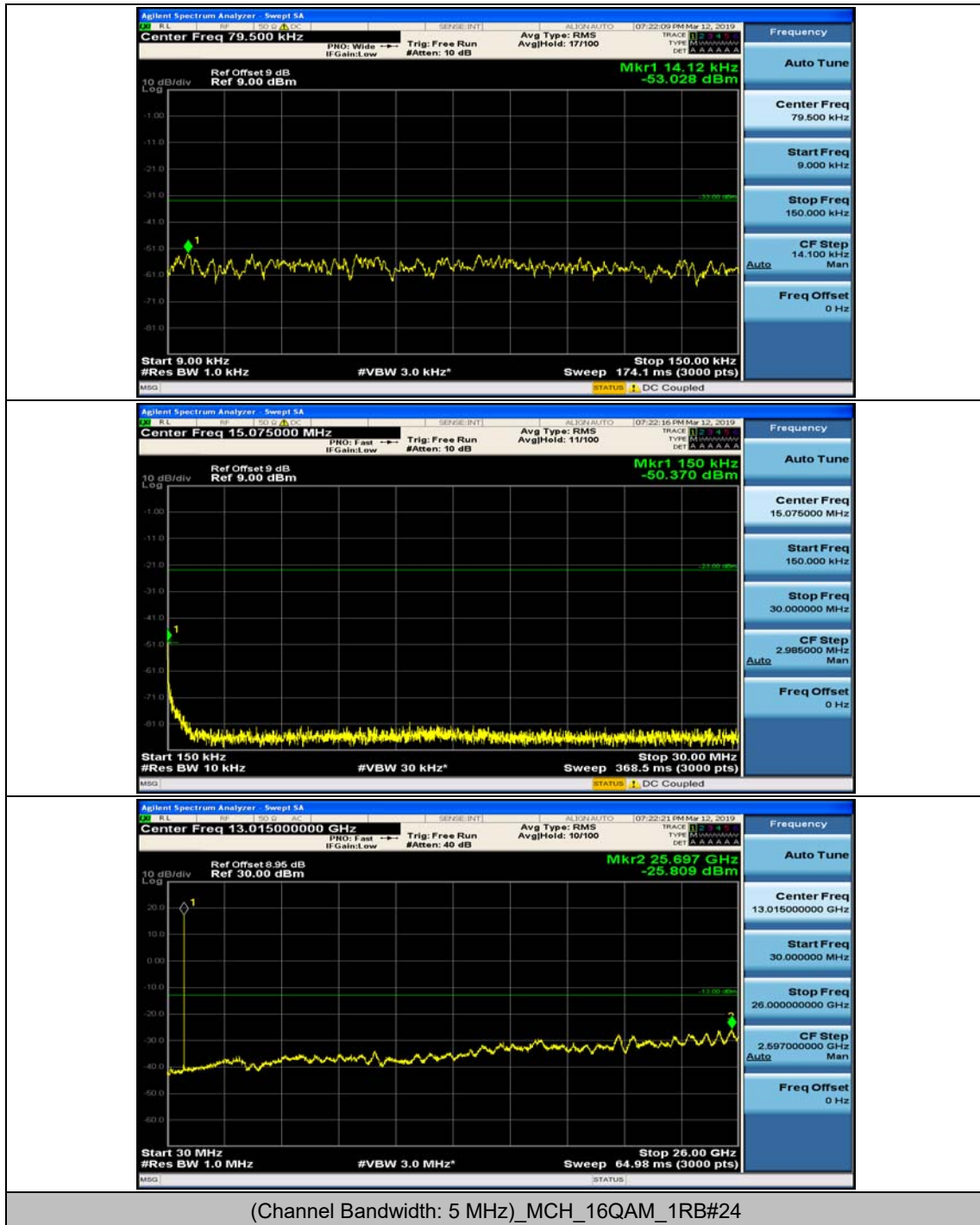


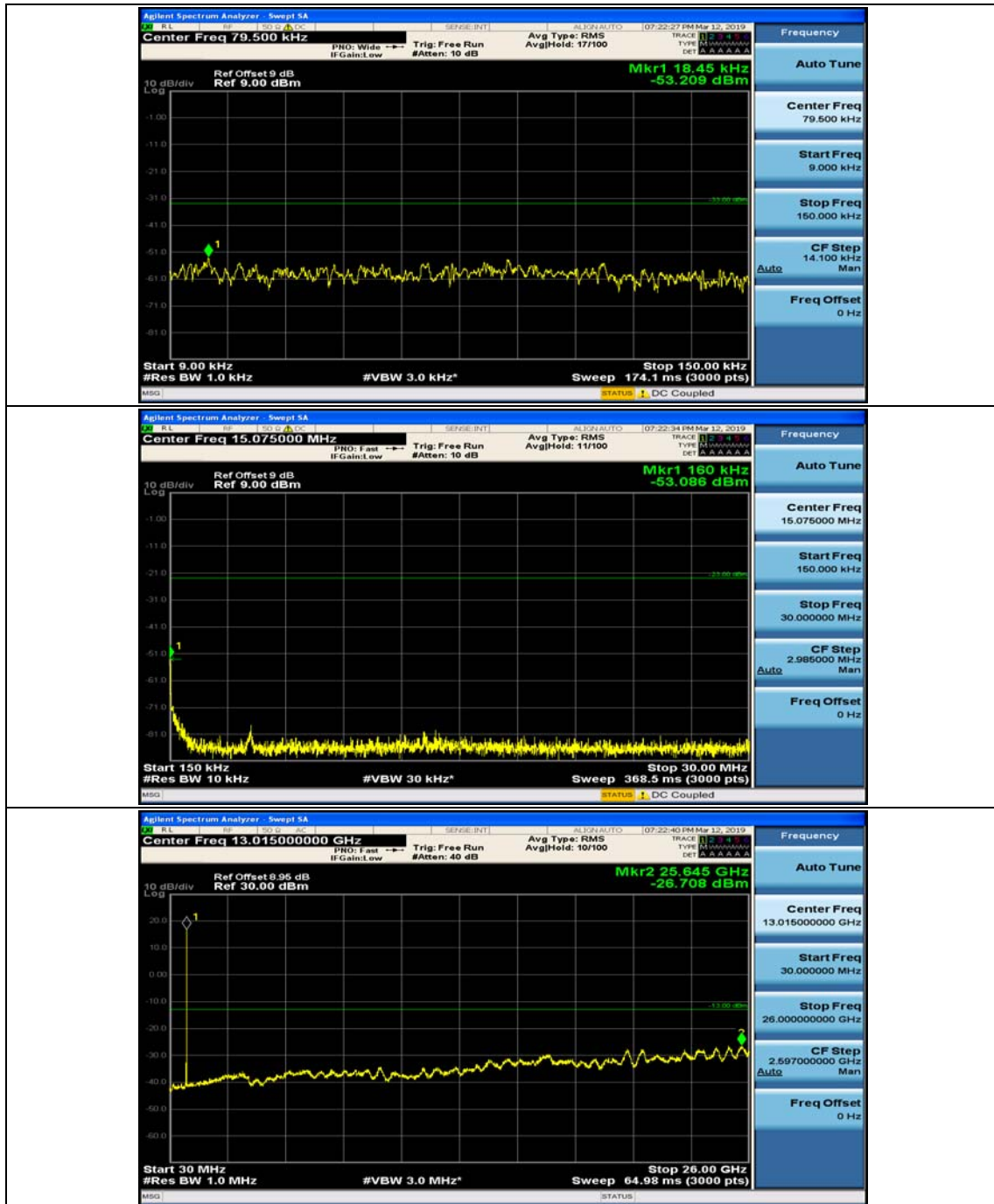


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#0

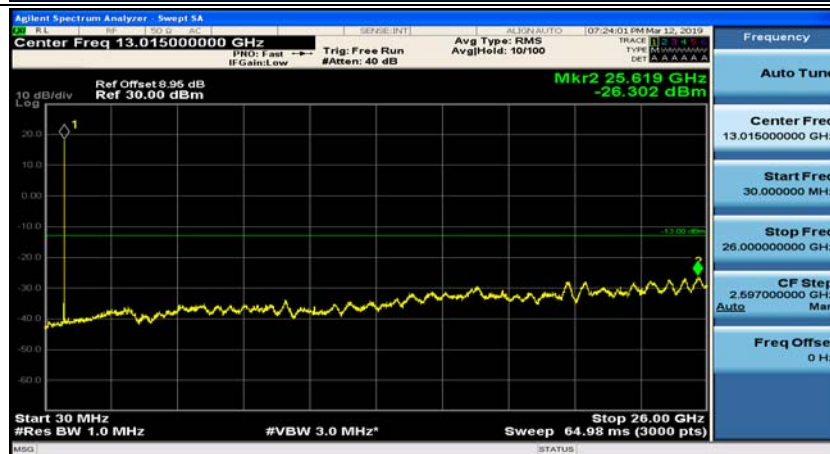
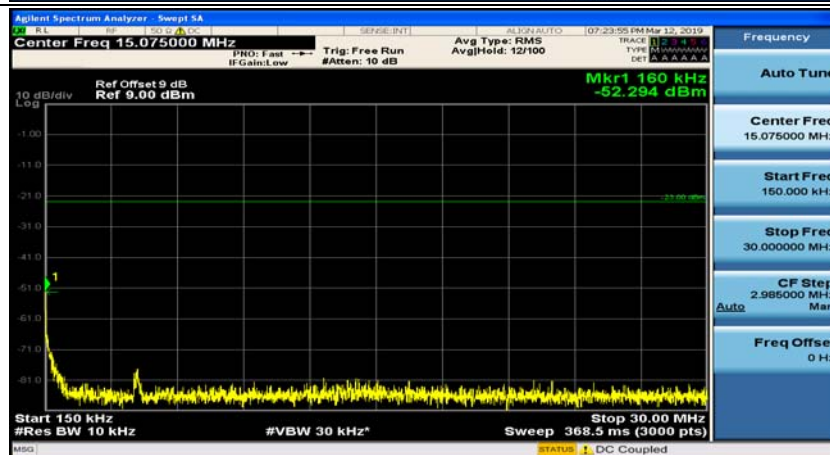
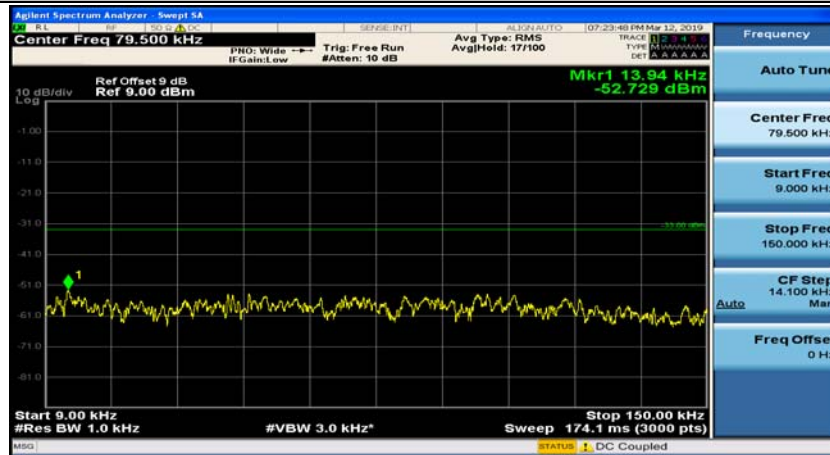


(Channel Bandwidth: 5 MHz)\_MCH\_16QAM\_1RB#12

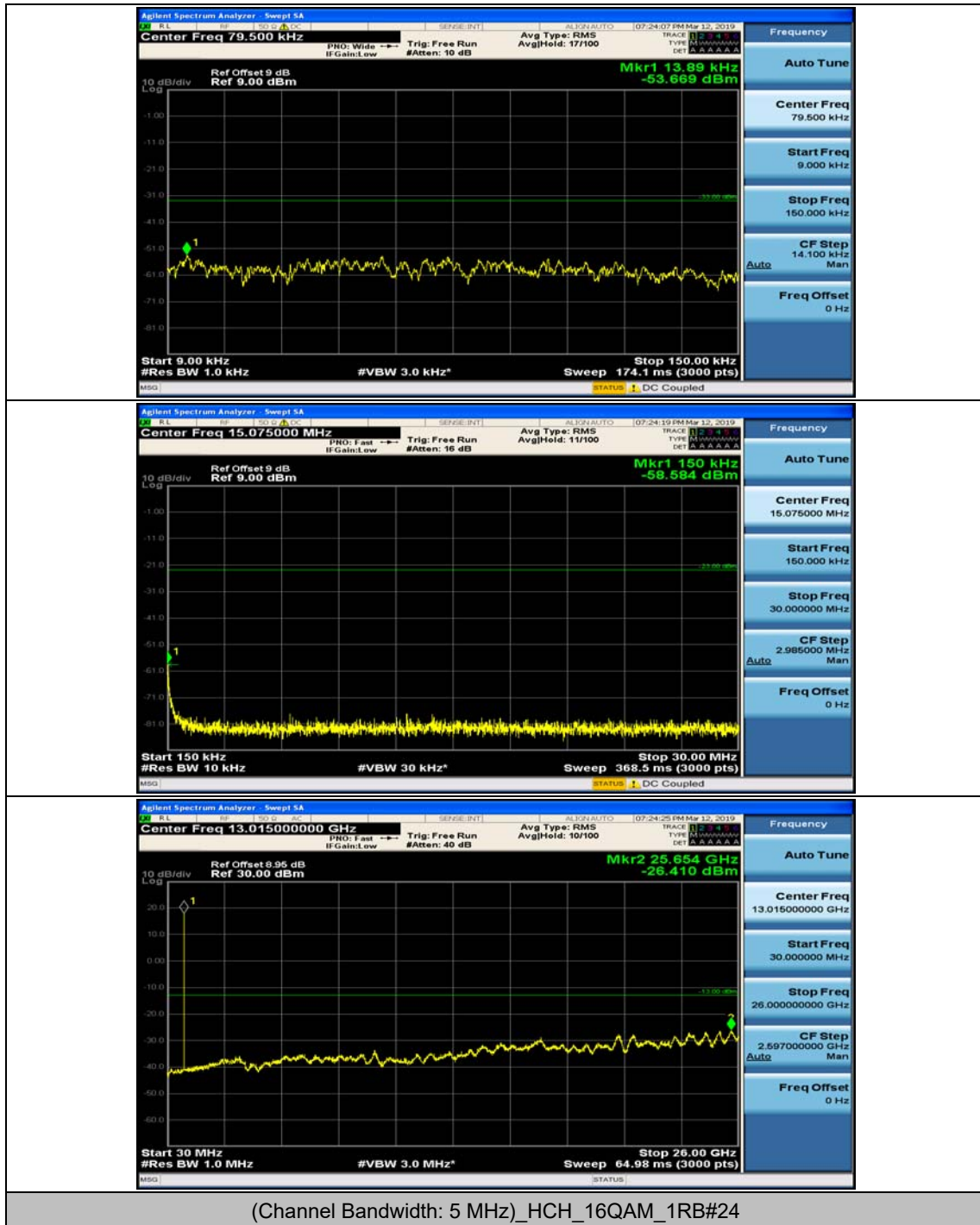




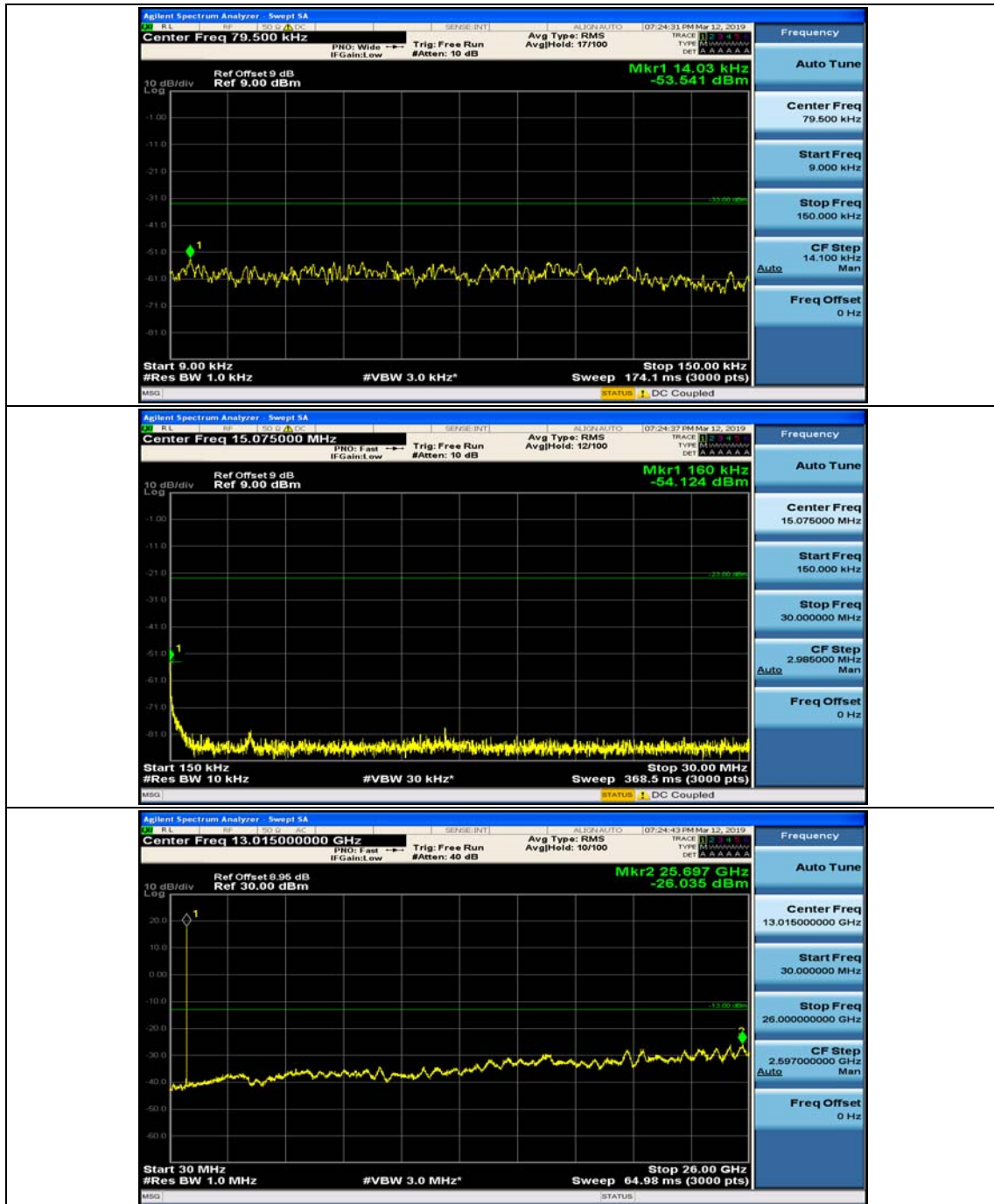
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#0



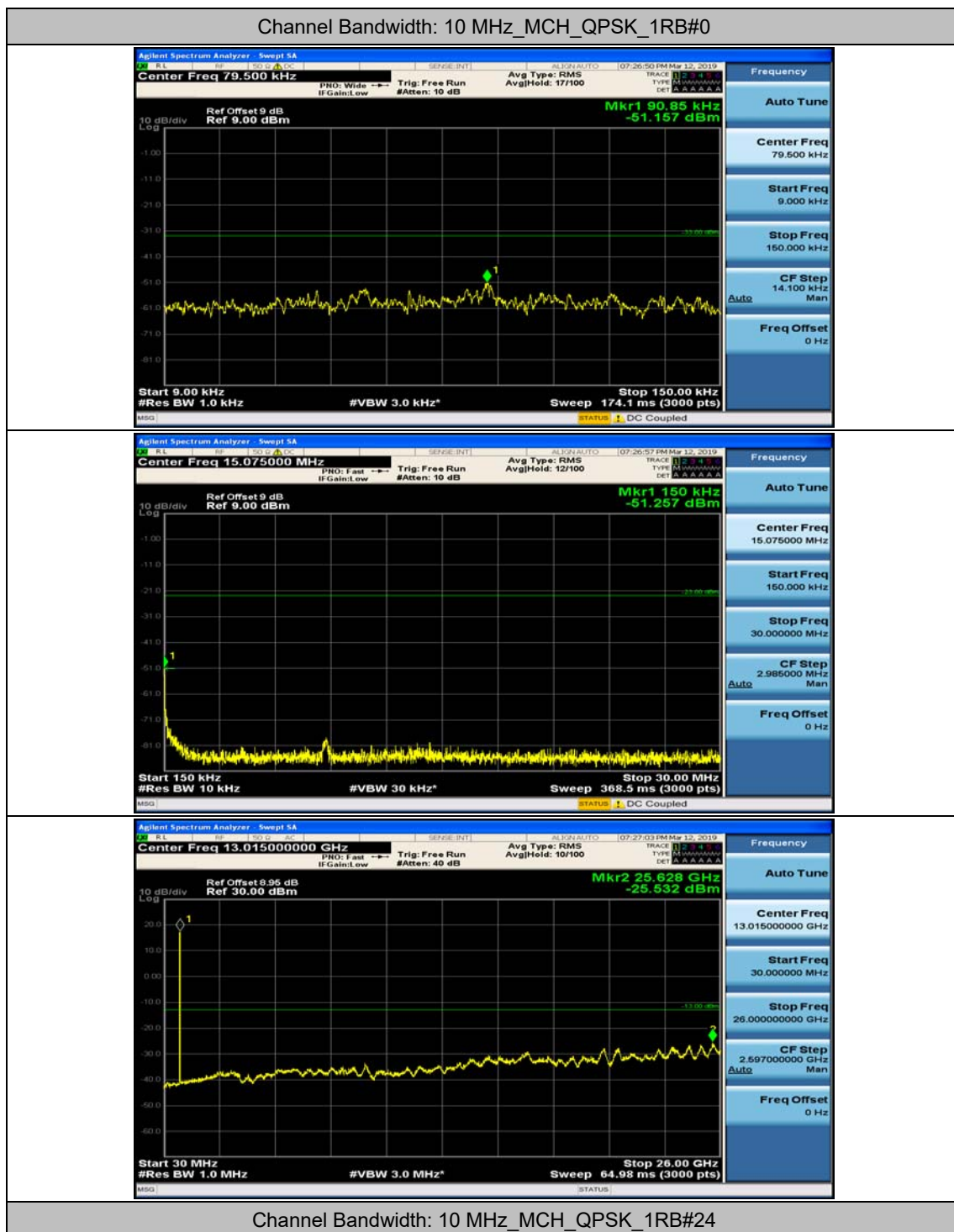
(Channel Bandwidth: 5 MHz)\_HCH\_16QAM\_1RB#12

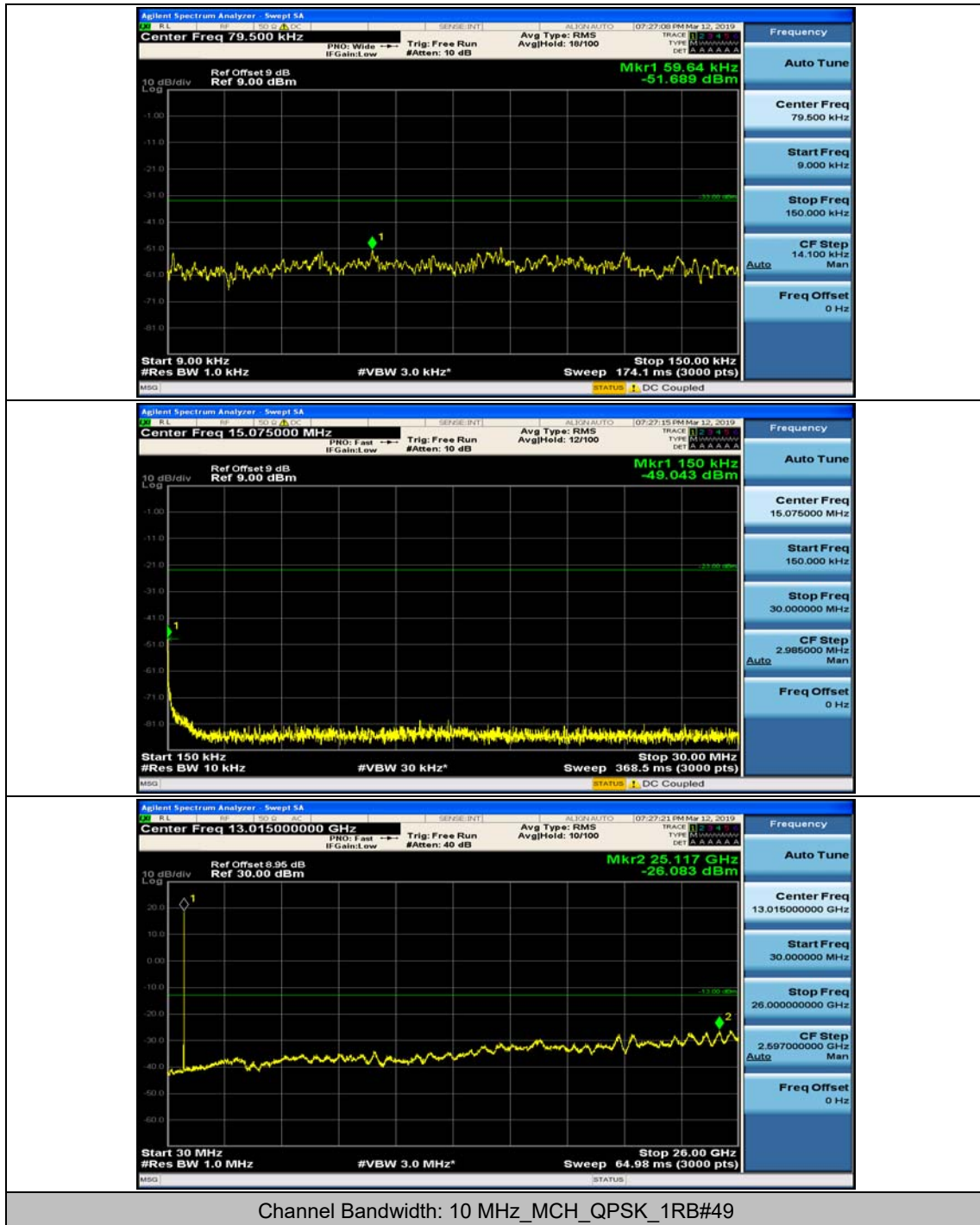


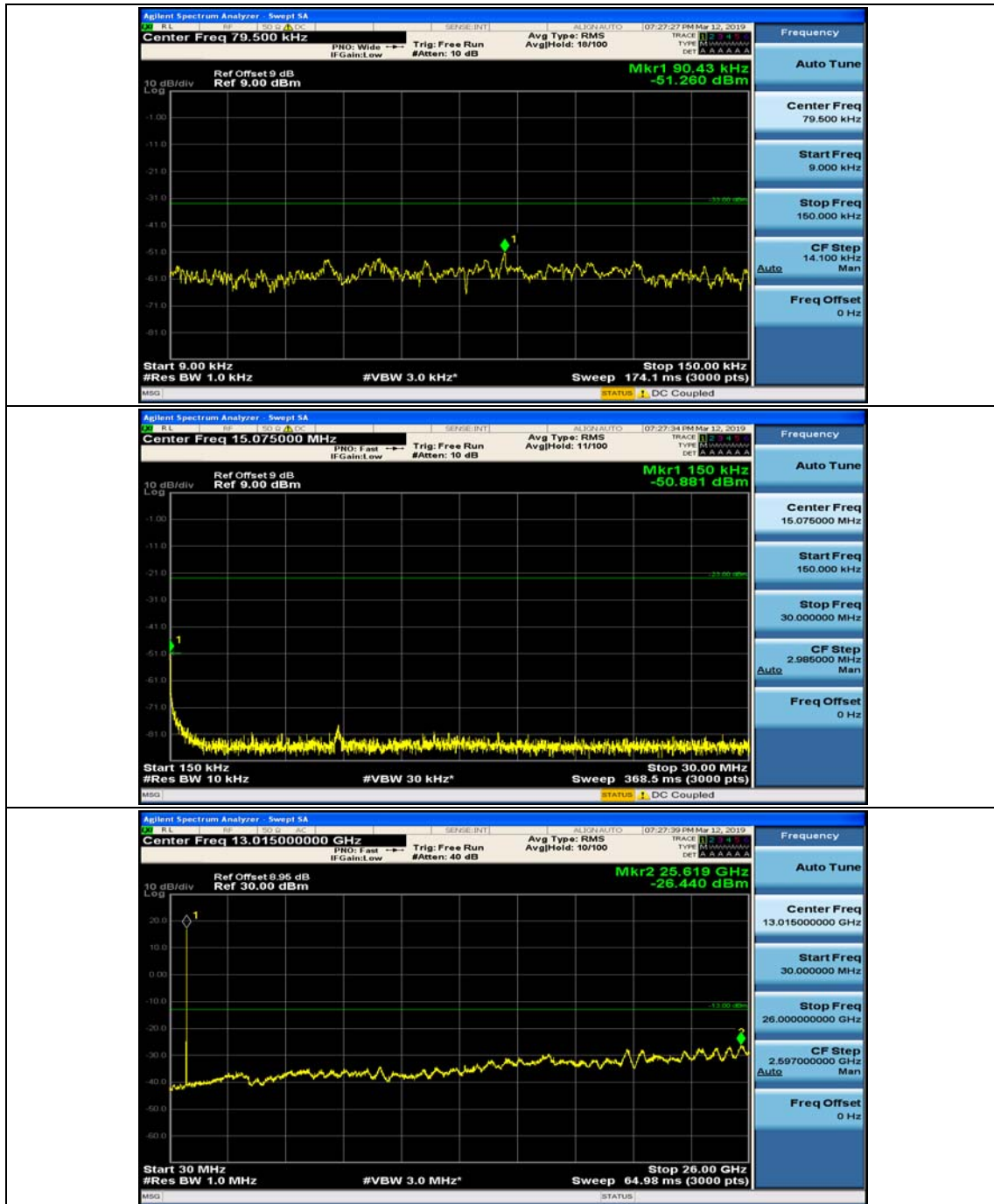




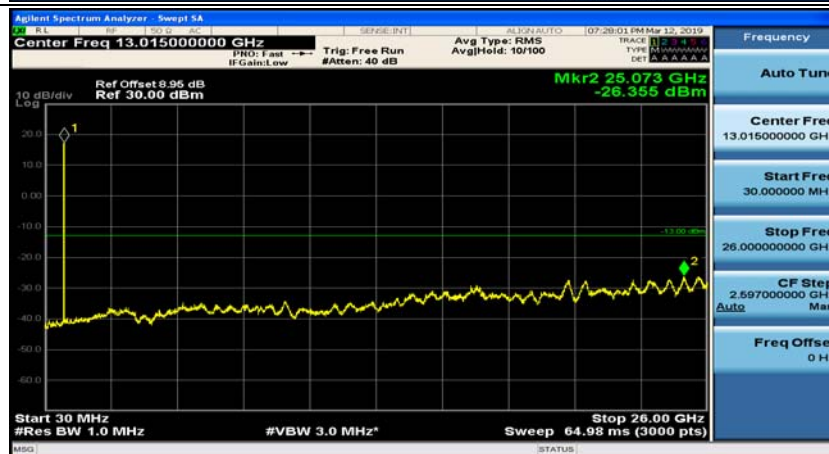
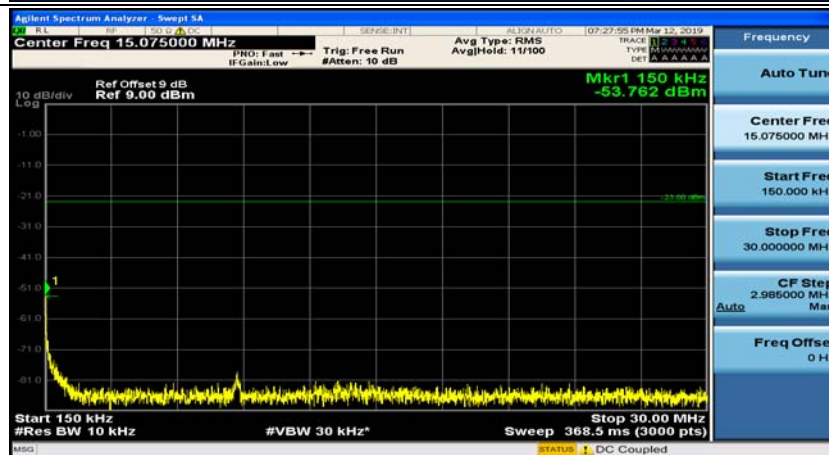
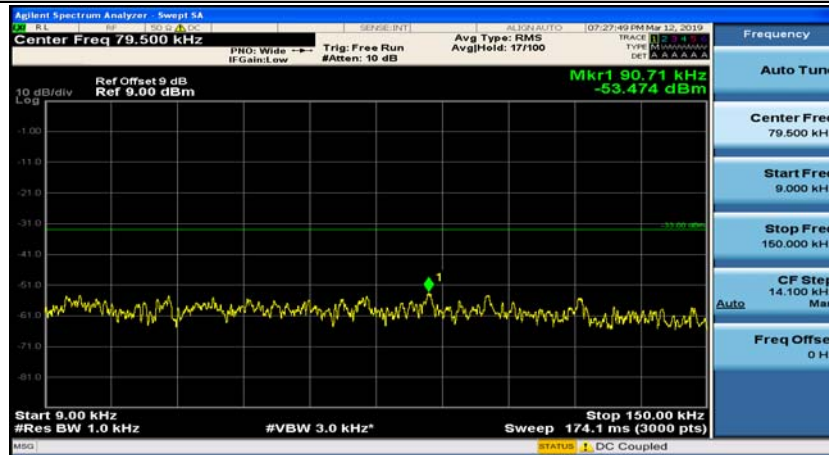
## Channel Bandwidth: 10 MHz





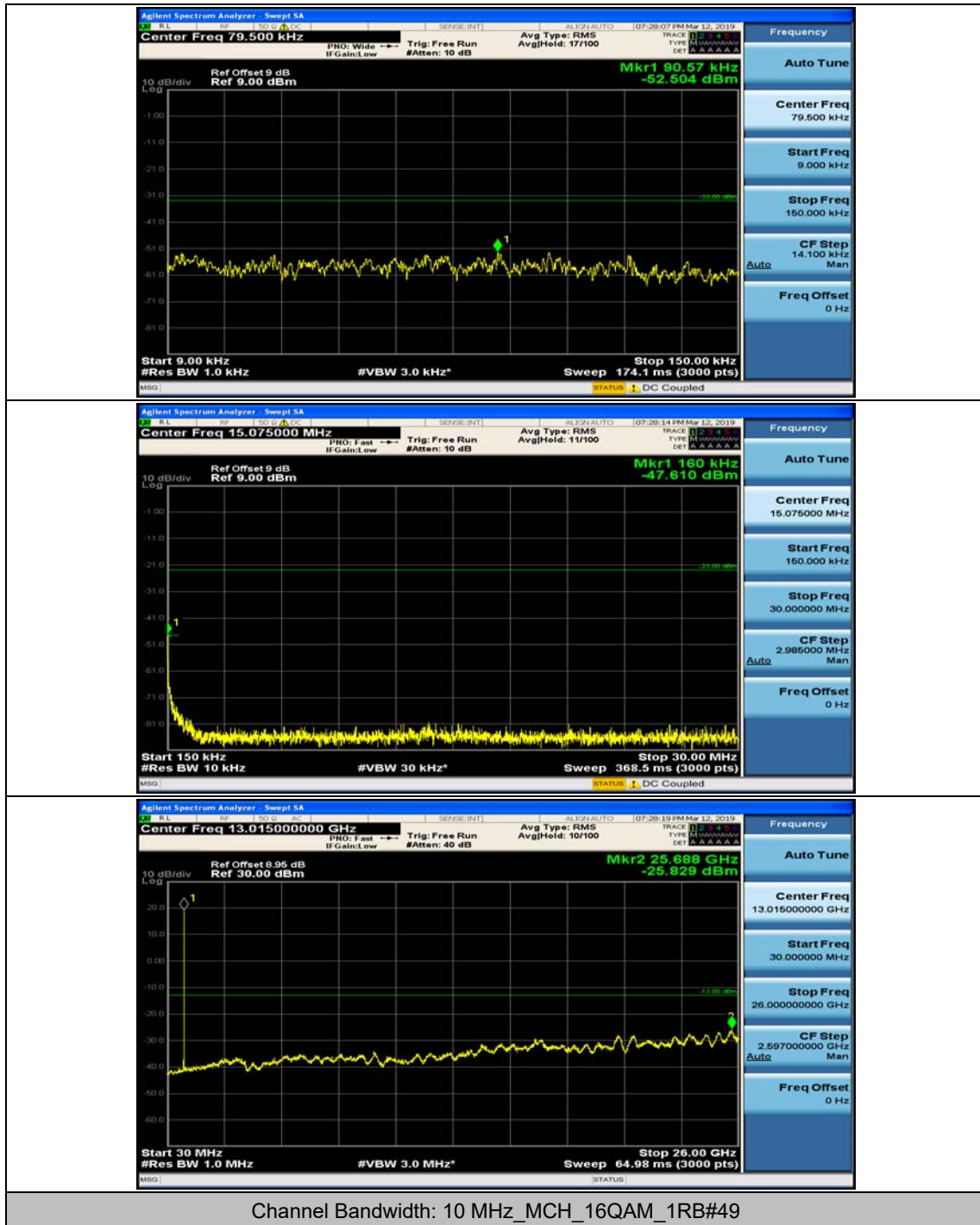


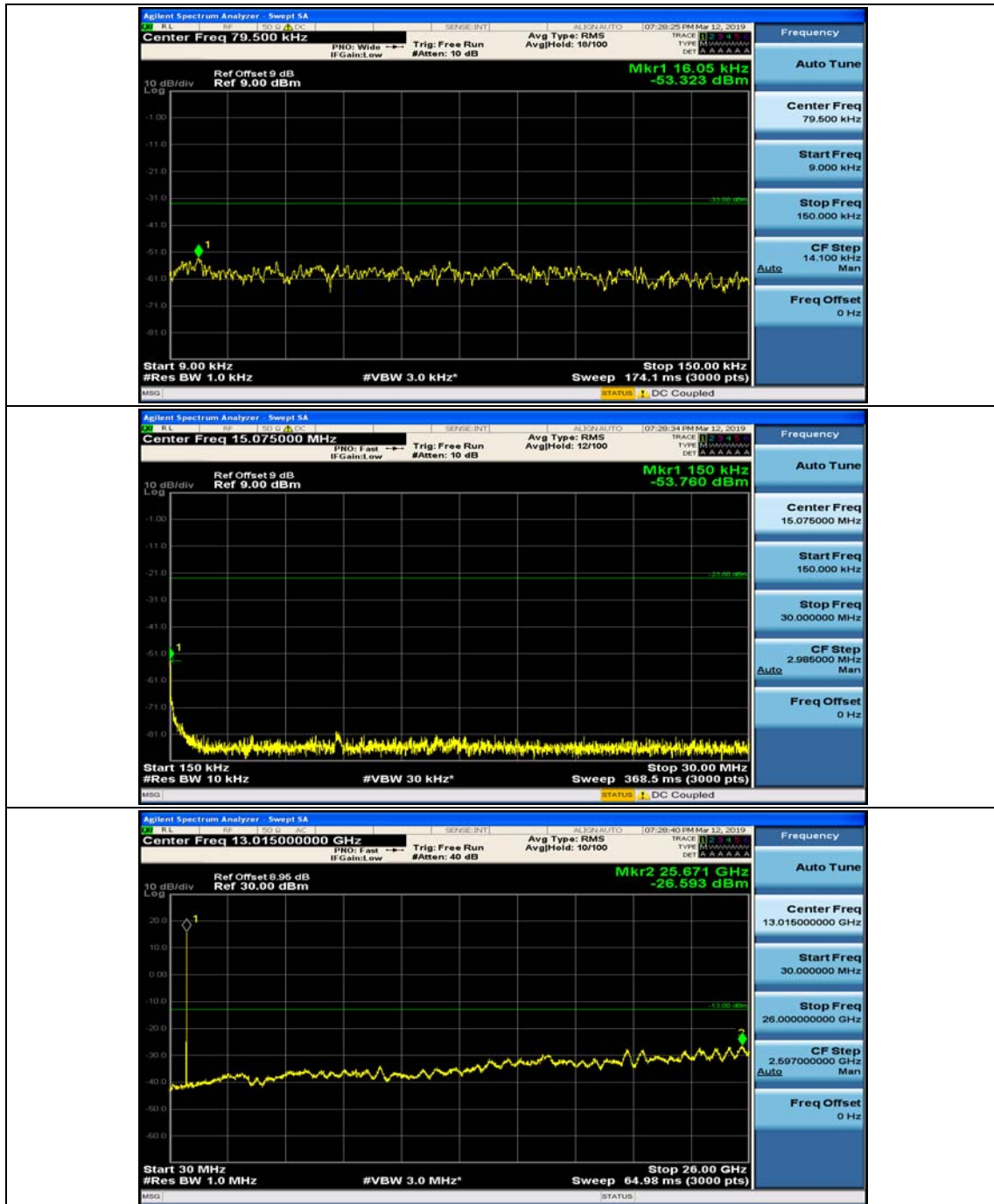
Channel Bandwidth: 10 MHz\_MCH\_16QAM\_1RB#0



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	-0.45	-0.000577	± 2.5	PASS
		VN	TN	4.13	0.005298	± 2.5	PASS
		VH	TN	4.46	0.005722	± 2.5	PASS
	MCH	VL	TN	0.17	0.000217	± 2.5	PASS
		VN	TN	1.71	0.002187	± 2.5	PASS
		VH	TN	0.69	0.000882	± 2.5	PASS
	HCH	VL	TN	-1.74	-0.002218	± 2.5	PASS
		VN	TN	-1.72	-0.002192	± 2.5	PASS
		VH	TN	4.29	0.005468	± 2.5	PASS
16QAM	LCH	VL	TN	0.95	0.001219	± 2.5	PASS
		VN	TN	3.4	0.004362	± 2.5	PASS
		VH	TN	2.1	0.002694	± 2.5	PASS
	MCH	VL	TN	3.19	0.004079	± 2.5	PASS
		VN	TN	4.38	0.005601	± 2.5	PASS
		VH	TN	0.33	0.000422	± 2.5	PASS
	HCH	VL	TN	4.59	0.005851	± 2.5	PASS
		VN	TN	0.09	0.000115	± 2.5	PASS
		VH	TN	1.42	0.001810	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.19	0.001527	± 2.5	PASS
		VN	-20	0.67	0.000860	± 2.5	PASS
		VN	-10	-1.18	-0.001514	± 2.5	PASS
		VN	0	4.61	0.005914	± 2.5	PASS
		VN	10	4.9	0.006286	± 2.5	PASS
		VN	20	-1.16	-0.001488	± 2.5	PASS
		VN	30	3.21	0.004118	± 2.5	PASS
		VN	40	0.83	0.001065	± 2.5	PASS
		VN	50	4.03	0.005170	± 2.5	PASS
	MCH	VN	-30	3.22	0.004118	± 2.5	PASS
		VN	-20	1.83	0.002340	± 2.5	PASS

		VN	-10	2.22	0.002839	± 2.5	PASS
		VN	0	0.92	0.001176	± 2.5	PASS
		VN	10	2.29	0.002928	± 2.5	PASS
		VN	20	4.95	0.006330	± 2.5	PASS
		VN	30	4.78	0.006113	± 2.5	PASS
		VN	40	3.14	0.004015	± 2.5	PASS
		VN	50	1.15	0.001471	± 2.5	PASS
	HCH	VN	-30	-1.22	-0.001555	± 2.5	PASS
		VN	-20	1.85	0.002358	± 2.5	PASS
		VN	-10	-1.5	-0.001912	± 2.5	PASS
		VN	0	2.39	0.003047	± 2.5	PASS
		VN	10	3.35	0.004270	± 2.5	PASS
		VN	20	0.85	0.001083	± 2.5	PASS
		VN	30	4.09	0.005214	± 2.5	PASS
		VN	40	1.4	0.001785	± 2.5	PASS
		VN	50	0.73	0.000931	± 2.5	PASS
16QAM	LCH	VN	-30	2.74	0.003515	± 2.5	PASS
		VN	-20	-0.15	-0.000192	± 2.5	PASS
		VN	-10	-1.83	-0.002348	± 2.5	PASS
		VN	0	3.74	0.004798	± 2.5	PASS
		VN	10	2.09	0.002681	± 2.5	PASS
		VN	20	1	0.001283	± 2.5	PASS
		VN	30	3.15	0.004041	± 2.5	PASS
		VN	40	-0.82	-0.001052	± 2.5	PASS
		VN	50	2.87	0.003682	± 2.5	PASS
	MCH	VN	-30	2.32	0.002967	± 2.5	PASS
		VN	-20	3.42	0.004373	± 2.5	PASS
		VN	-10	-0.22	-0.000281	± 2.5	PASS
		VN	0	1.75	0.002238	± 2.5	PASS
		VN	10	-0.57	-0.000729	± 2.5	PASS
		VN	20	-1.42	-0.001816	± 2.5	PASS
		VN	30	3.65	0.004668	± 2.5	PASS
		VN	40	-0.56	-0.000716	± 2.5	PASS
		VN	50	1.36	0.001739	± 2.5	PASS
	HCH	VN	-30	4.14	0.005277	± 2.5	PASS
		VN	-20	4.73	0.006029	± 2.5	PASS
		VN	-10	4.09	0.005214	± 2.5	PASS
		VN	0	-1.29	-0.001644	± 2.5	PASS
		VN	10	0.29	0.000370	± 2.5	PASS
		VN	20	3.8	0.004844	± 2.5	PASS
		VN	30	3.3	0.004207	± 2.5	PASS

		VN	40	3.6	0.004589	± 2.5	PASS
		VN	50	0.47	0.000599	± 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	1.91	0.002442	± 2.5	PASS
		VN	TN	4.72	0.006036	± 2.5	PASS
		VH	TN	3.98	0.005090	± 2.5	PASS
16QAM	MCH	VL	TN	-0.36	-0.000460	± 2.5	PASS
		VN	TN	-0.16	-0.000205	± 2.5	PASS
		VH	TN	0.89	0.001138	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	MCH	VN	-30	-1.5	-0.001918	± 2.5	PASS
		VN	-20	4.92	0.006292	± 2.5	PASS
		VN	-10	-0.68	-0.000870	± 2.5	PASS
		VN	0	1.36	0.001739	± 2.5	PASS
		VN	10	-1.72	-0.002199	± 2.5	PASS
		VN	20	4.82	0.006164	± 2.5	PASS
		VN	30	4.47	0.005716	± 2.5	PASS
		VN	40	-0.98	-0.001253	± 2.5	PASS
		VN	50	0.86	0.001100	± 2.5	PASS
QPSK	MCH	VN	-30	1.42	0.001816	± 2.5	PASS
		VN	-20	0.94	0.001202	± 2.5	PASS
		VN	-10	4.15	0.005307	± 2.5	PASS
		VN	0	2.53	0.003235	± 2.5	PASS
		VN	10	1.37	0.001752	± 2.5	PASS
		VN	20	-0.27	-0.000345	± 2.5	PASS
		VN	30	2.43	0.003107	± 2.5	PASS
		VN	40	1.93	0.002468	± 2.5	PASS
		VN	50	2.24	0.002864	± 2.5	PASS