

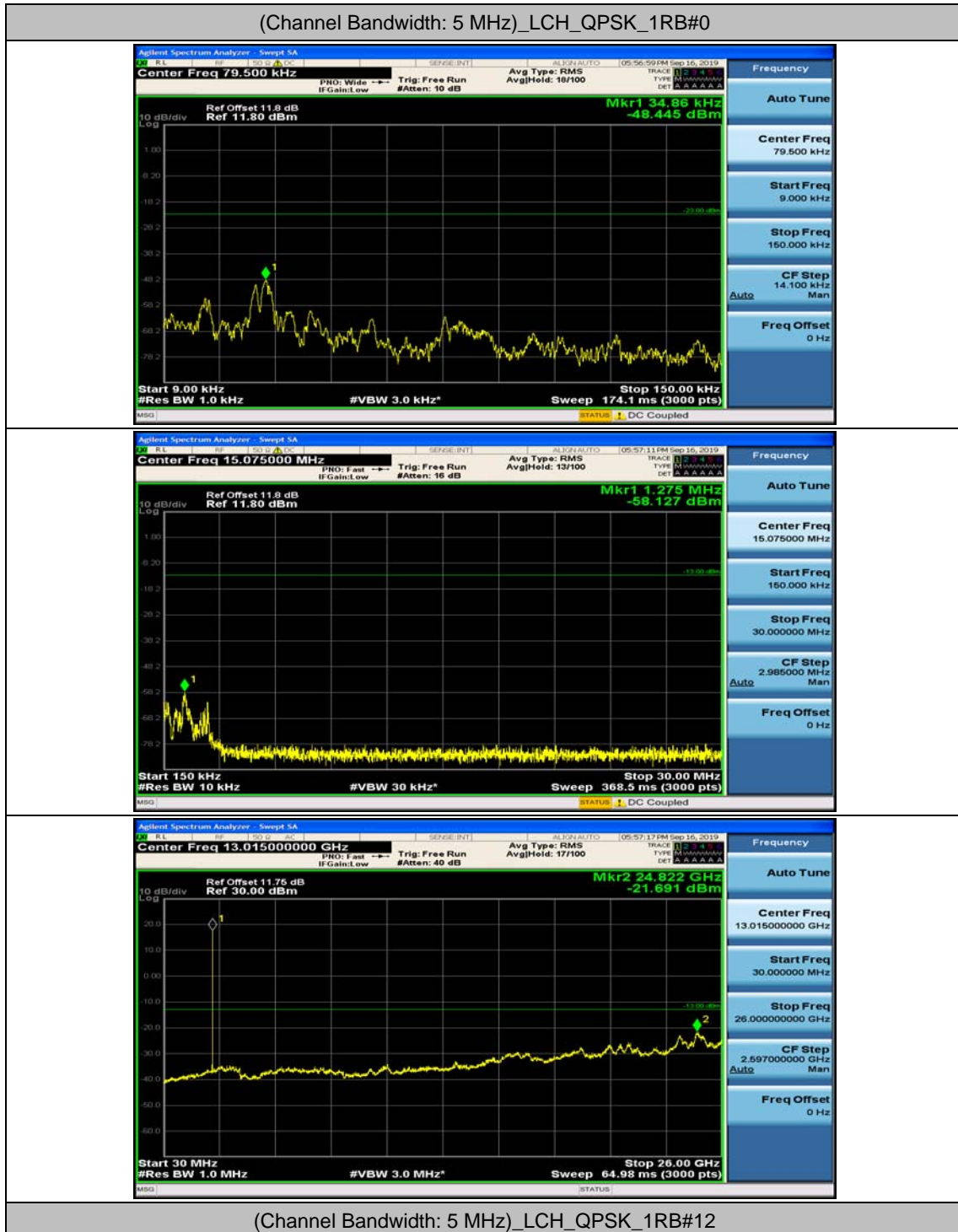
Channel Bandwidth: 10 MHz_MCH_16QAM_50RB#0

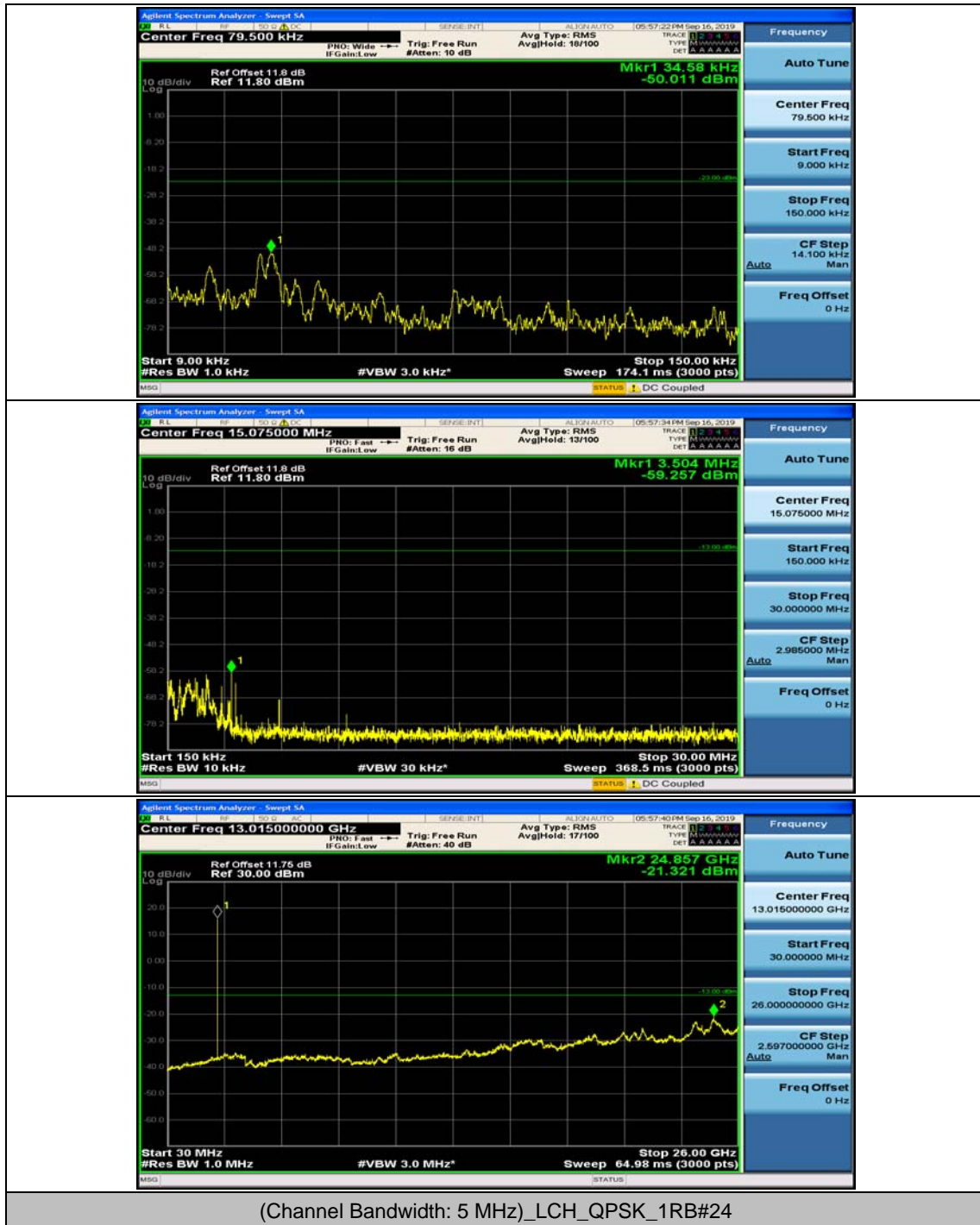


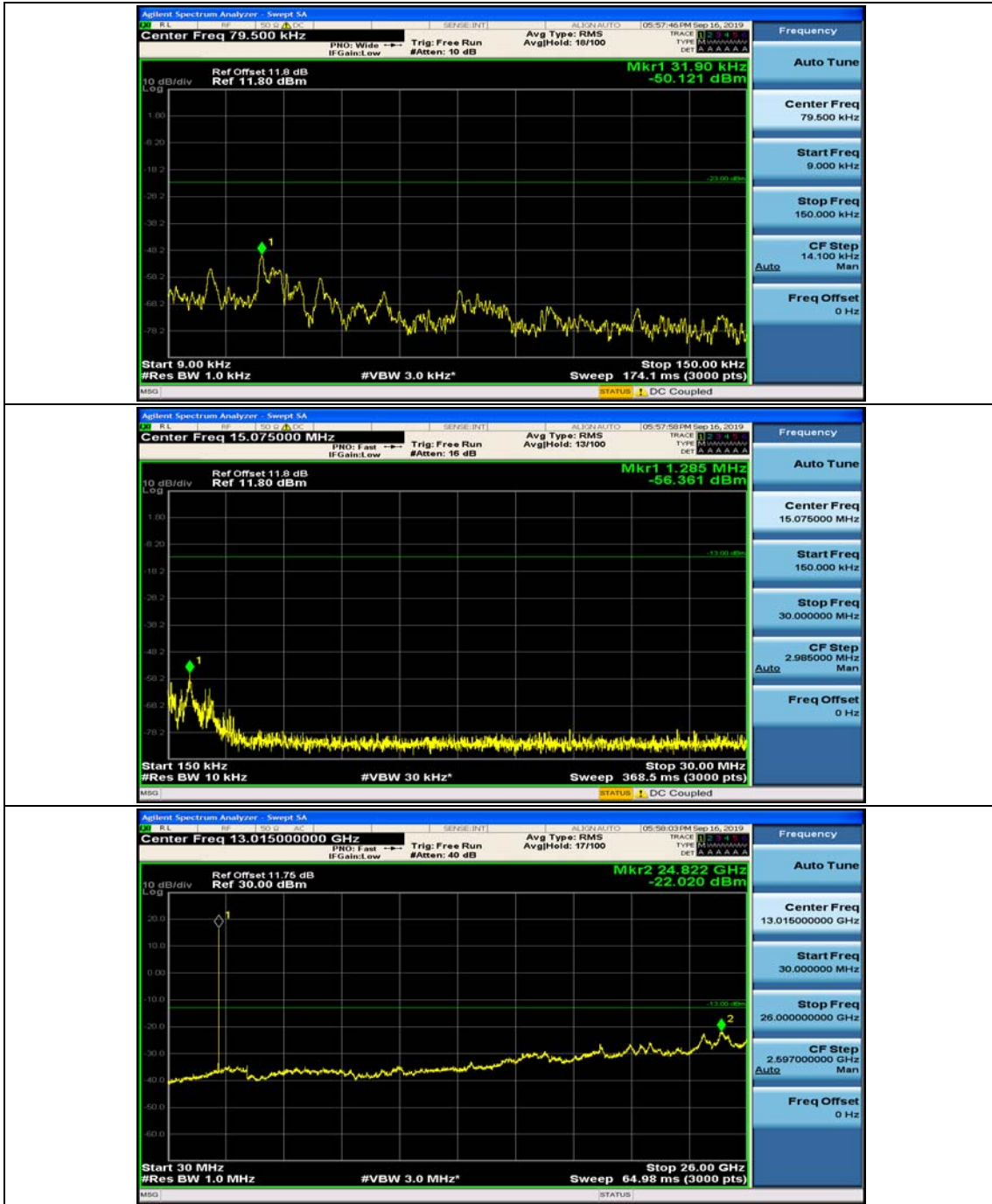
Appendix E: Conducted Spurious Emission

Test Graphs

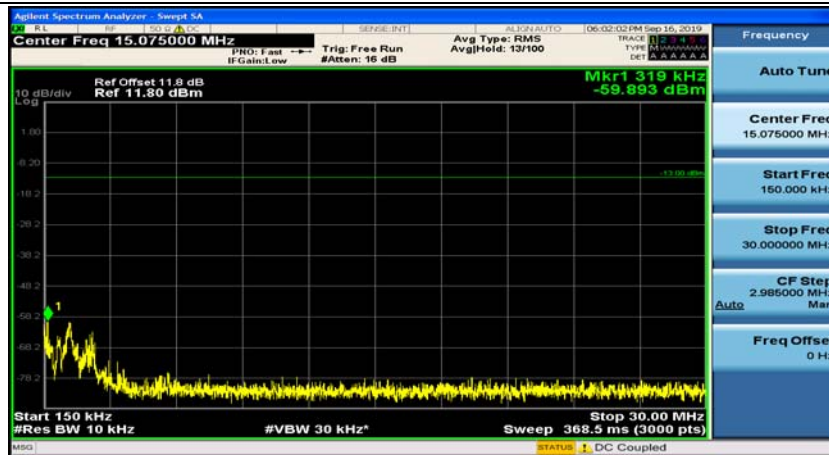
Channel Bandwidth: 5 MHz



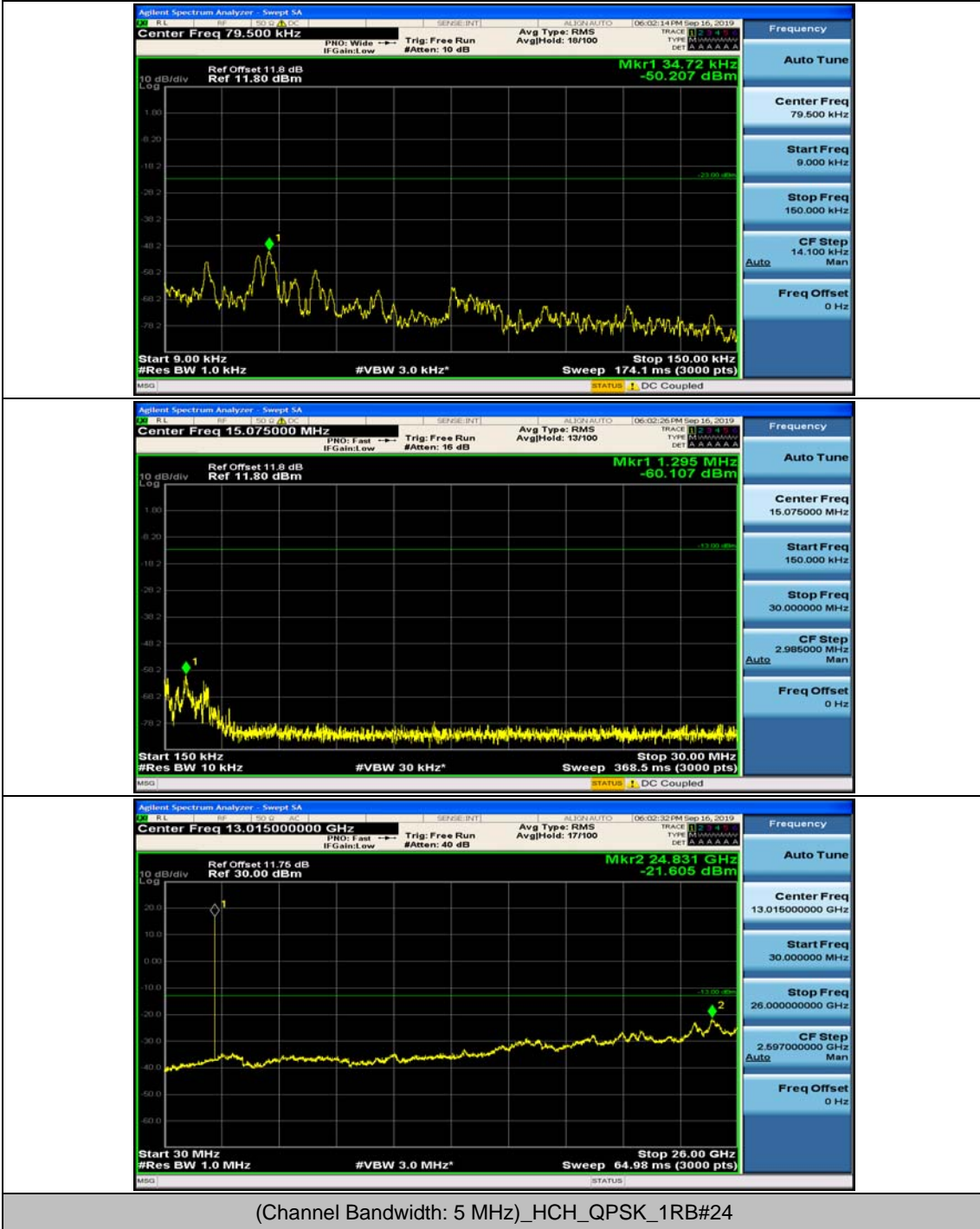


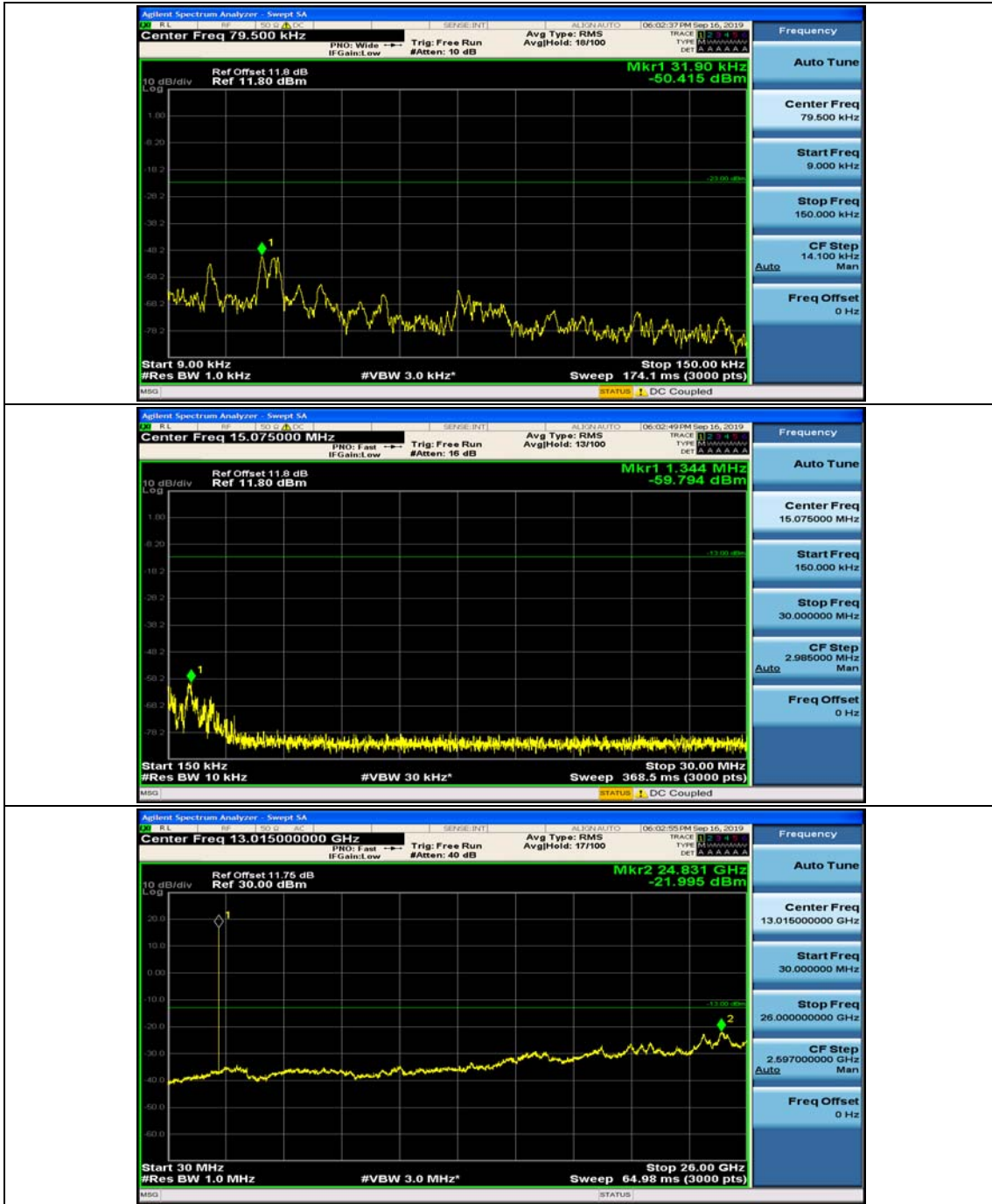


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

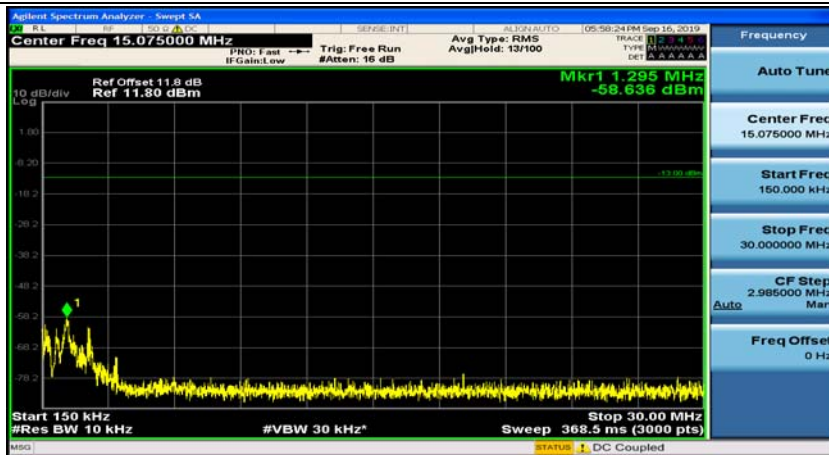


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

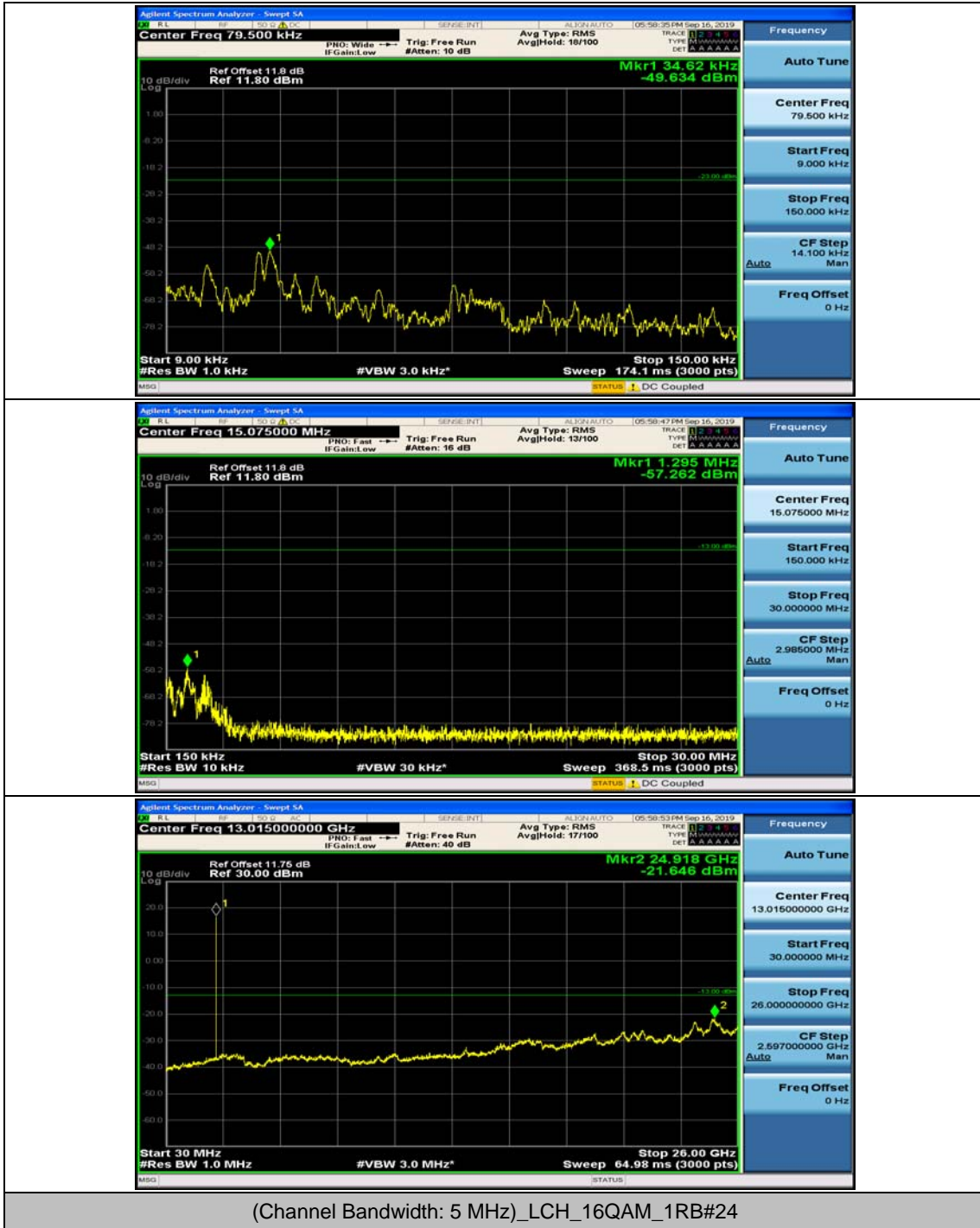


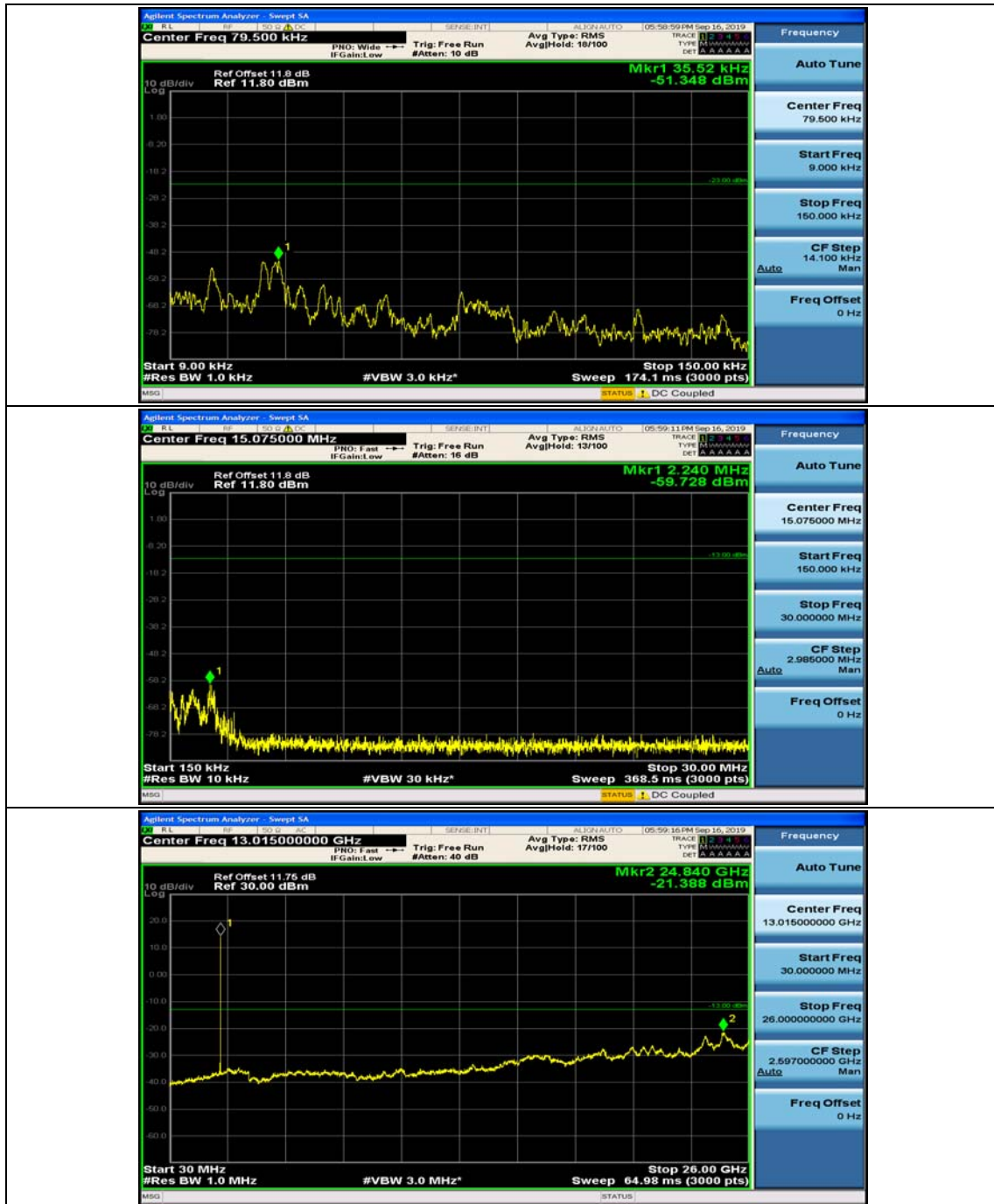


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

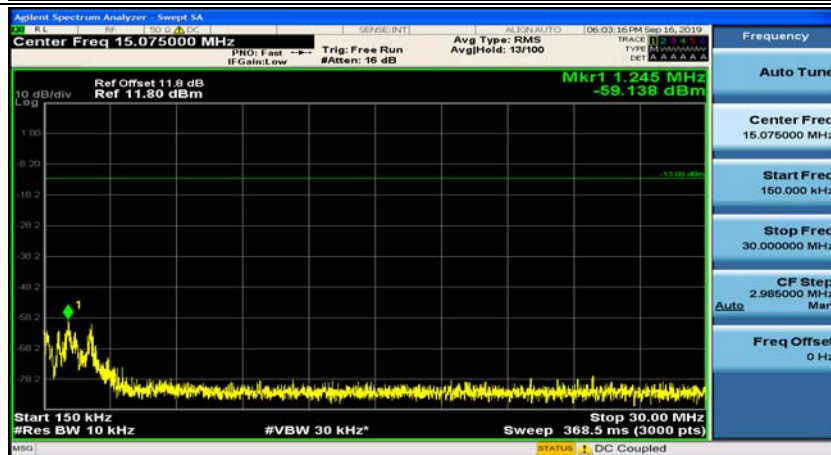
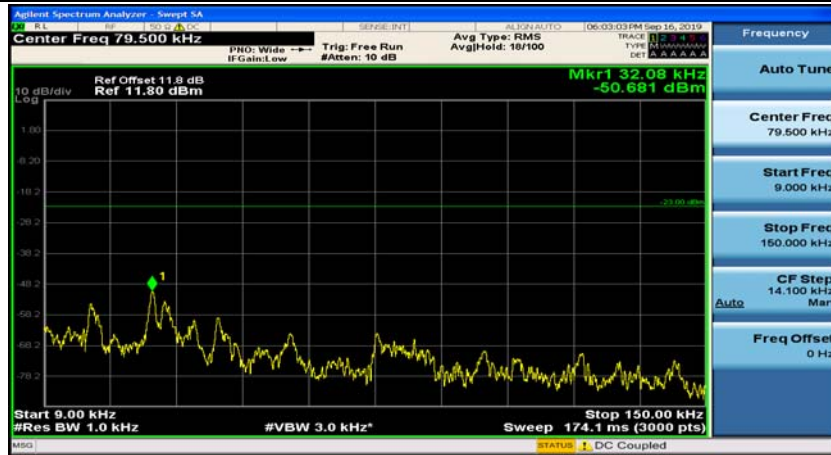


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

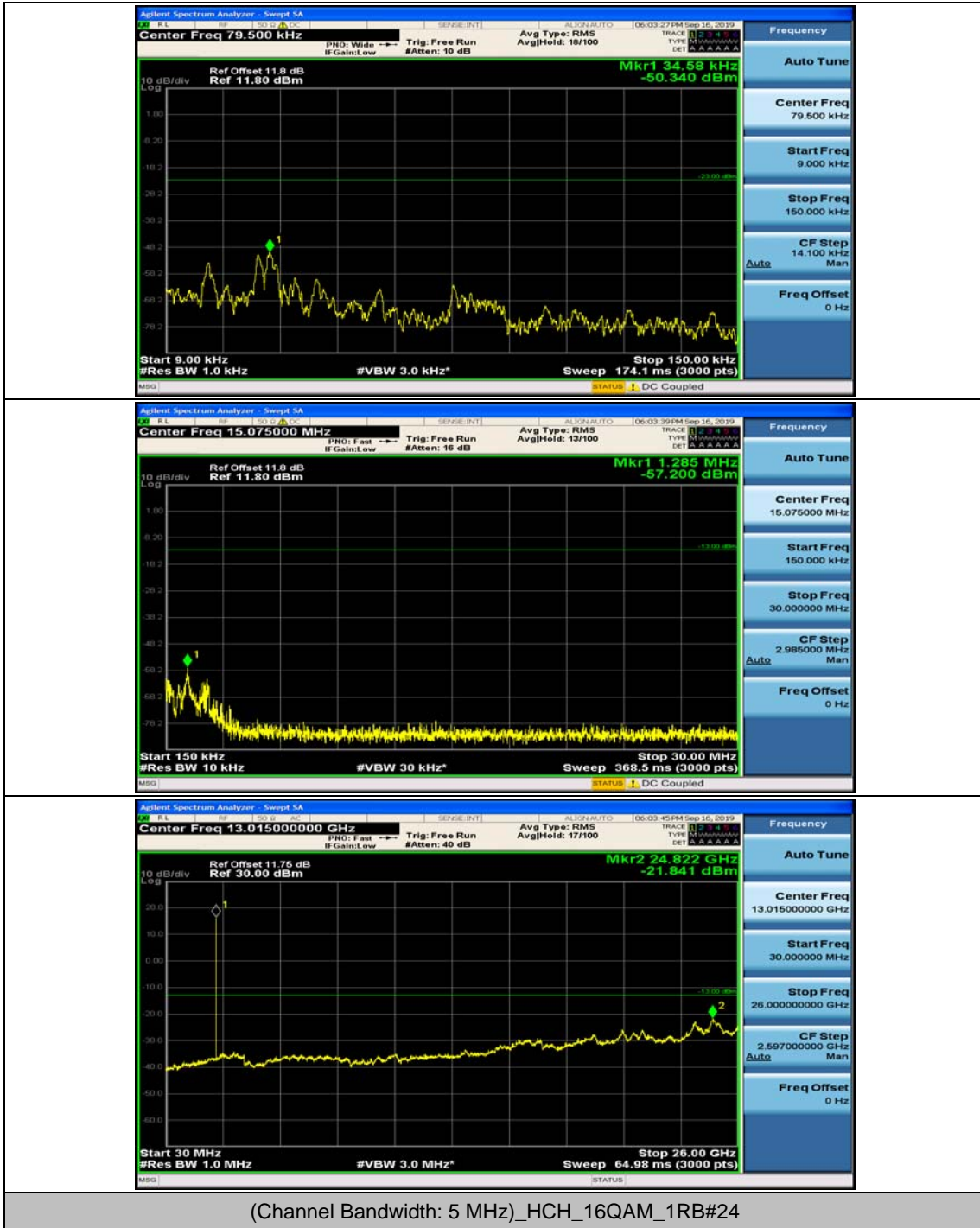


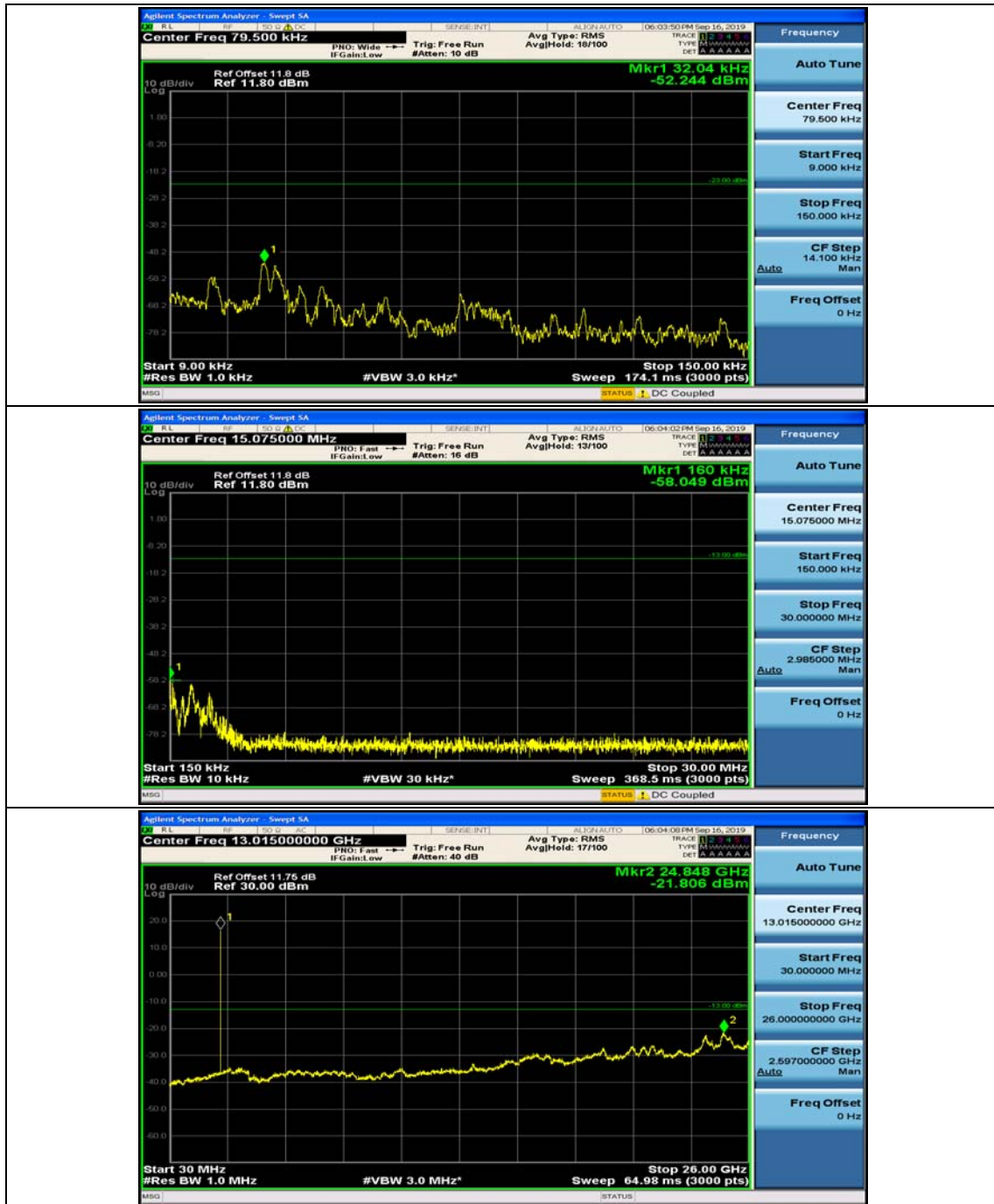


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

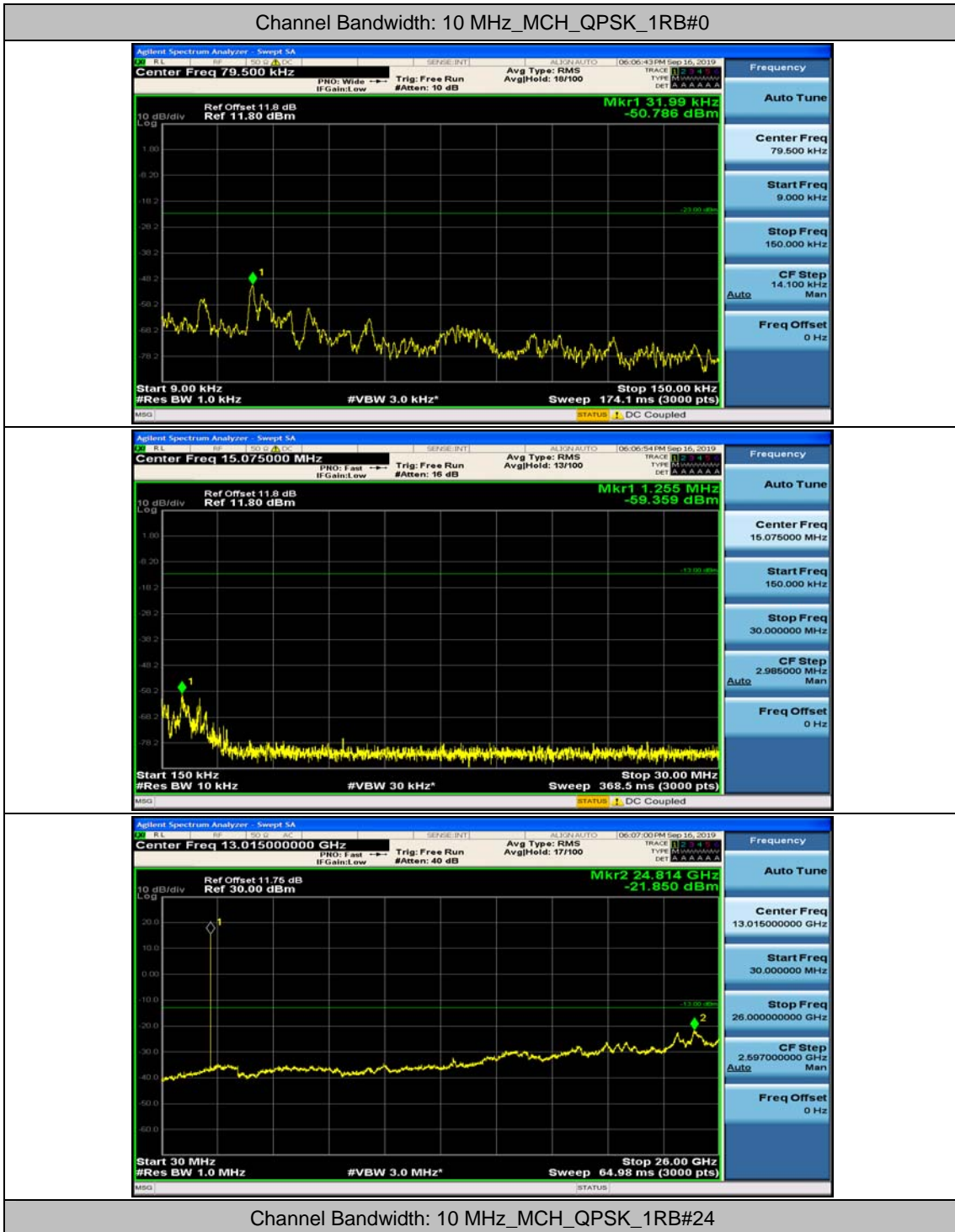


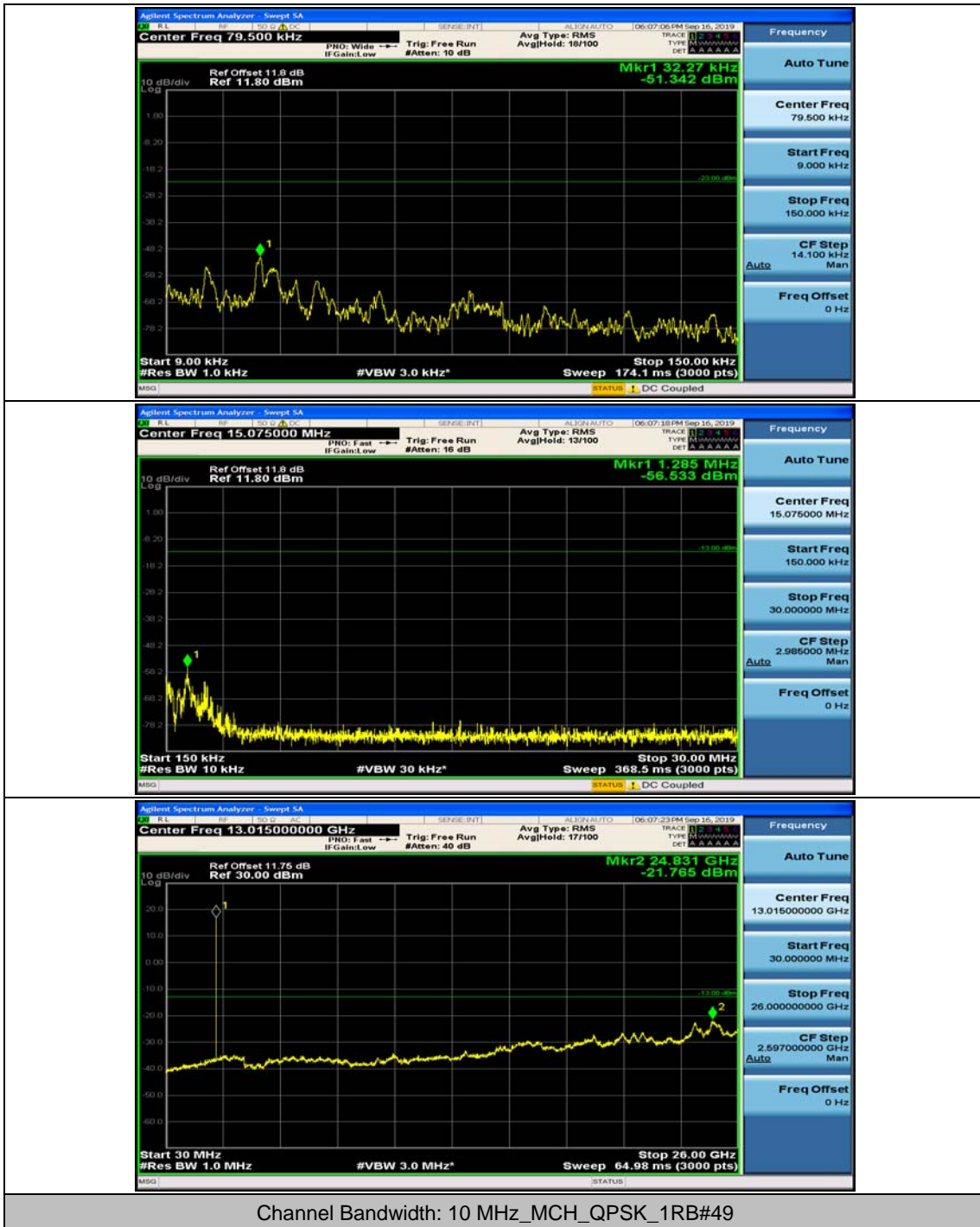
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

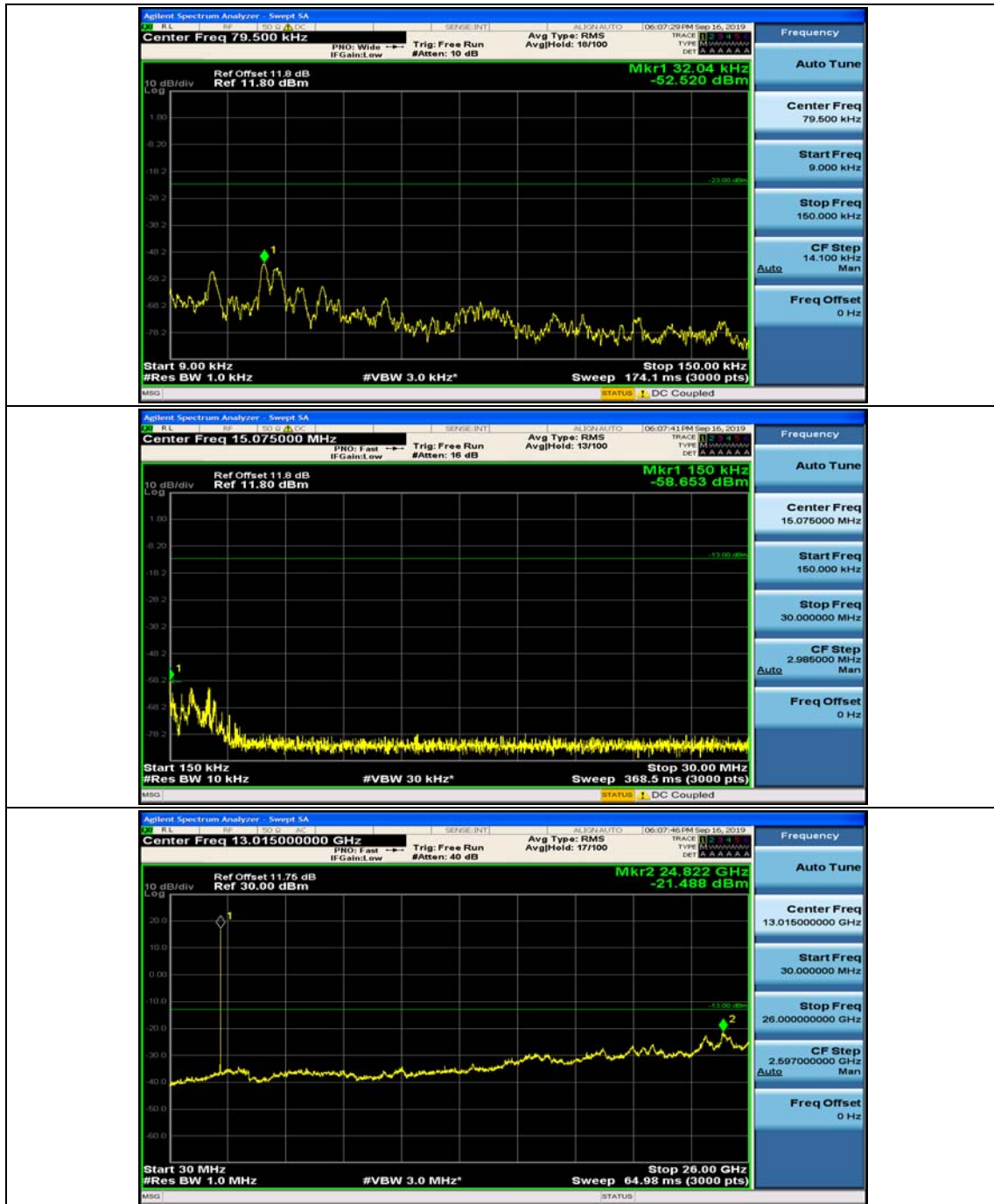




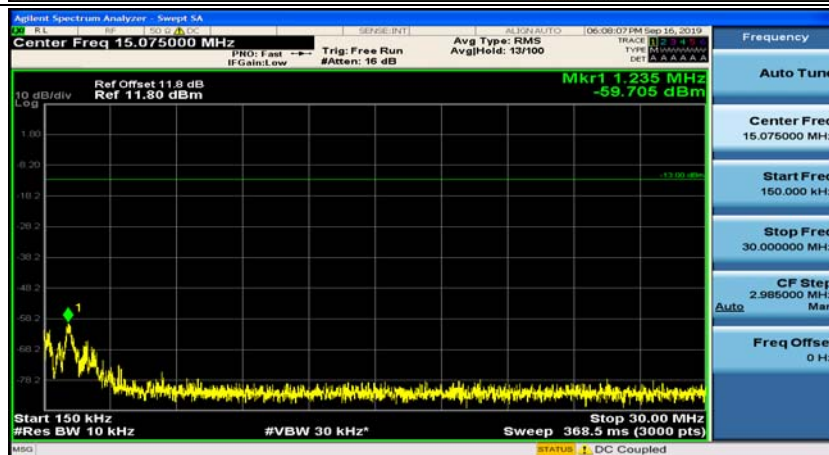
Channel Bandwidth: 10 MHz



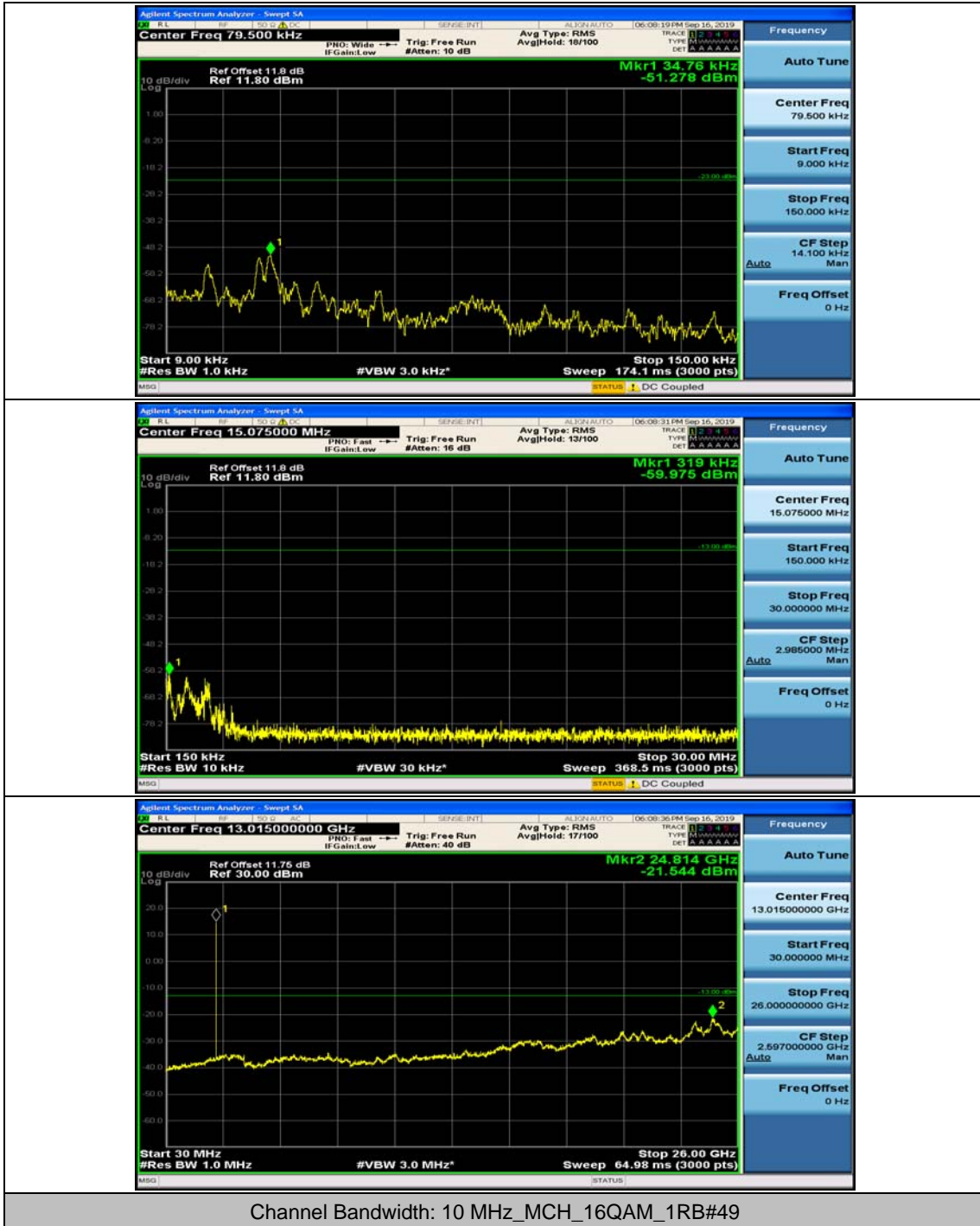


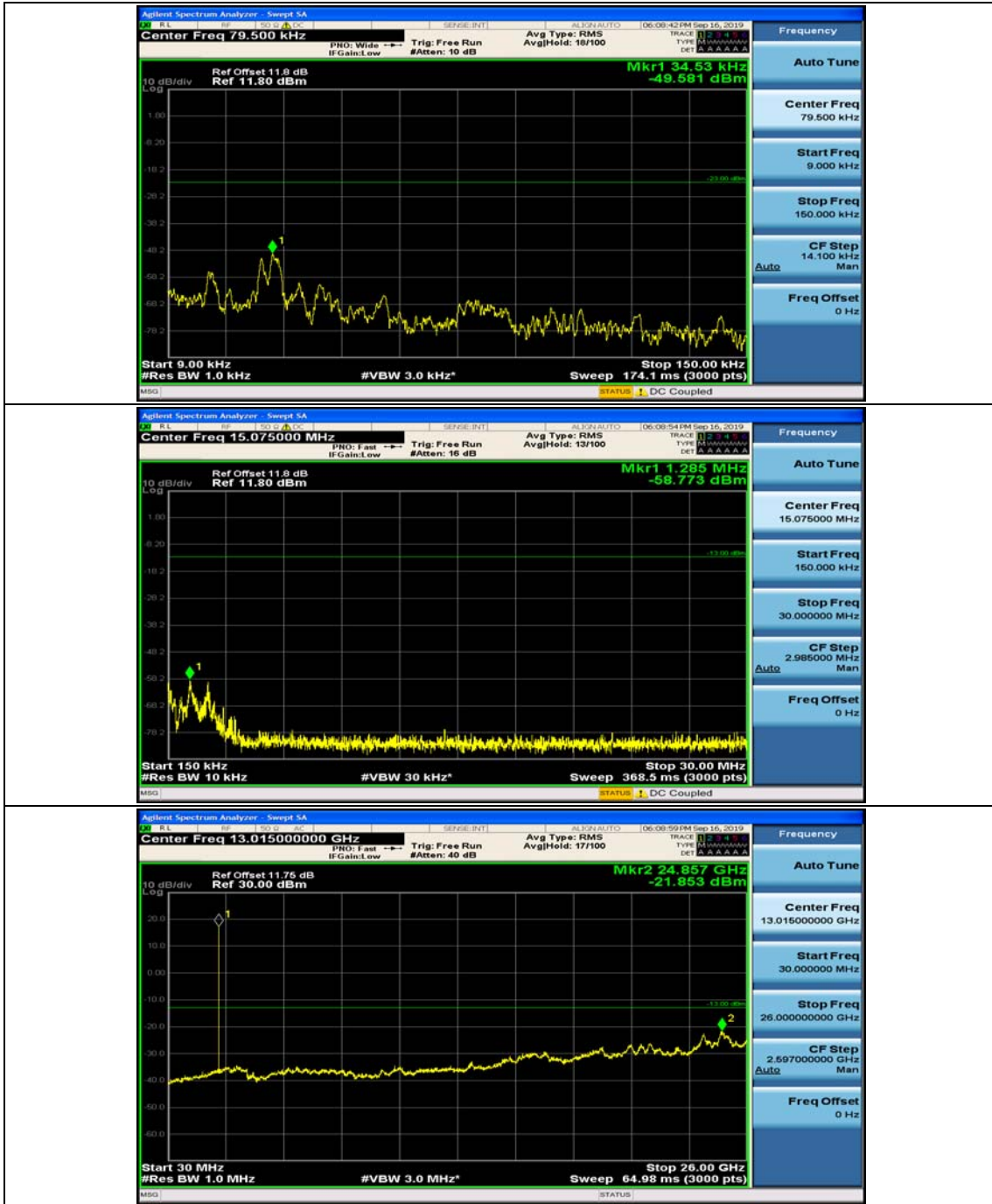


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



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	1.73	0.000750	± 2.5	PASS
		VN	TN	2.62	0.001135	± 2.5	PASS
		VH	TN	-1.83	-0.000793	± 2.5	PASS
	HCH	VL	TN	2.5	0.001081	± 2.5	PASS
		VN	TN	2.98	0.001289	± 2.5	PASS
		VH	TN	3.9	0.001686	± 2.5	PASS
16QAM	LCH	VL	TN	2.91	0.001261	± 2.5	PASS
		VN	TN	0.59	0.000256	± 2.5	PASS
		VH	TN	-1.79	-0.000776	± 2.5	PASS
	HCH	VL	TN	-0.49	-0.000212	± 2.5	PASS
		VN	TN	4.21	0.001821	± 2.5	PASS
		VH	TN	3.68	0.001591	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.81	-0.000351	± 2.5	PASS
		VN	-20	0.96	0.000416	± 2.5	PASS
		VN	-10	-0.88	-0.000381	± 2.5	PASS
		VN	0	-0.96	-0.000416	± 2.5	PASS
		VN	10	2.42	0.001049	± 2.5	PASS
		VN	20	2.29	0.000992	± 2.5	PASS
		VN	30	0.45	0.000195	± 2.5	PASS
		VN	40	-1.25	-0.000542	± 2.5	PASS
	HCH	VN	50	3.67	0.001590	± 2.5	PASS
		VN	-30	2.09	0.000904	± 2.5	PASS
		VN	-20	1.52	0.000657	± 2.5	PASS
		VN	-10	-0.41	-0.000177	± 2.5	PASS
		VN	0	3.89	0.001682	± 2.5	PASS
		VN	10	-0.81	-0.000350	± 2.5	PASS
		VN	20	-1.9	-0.000822	± 2.5	PASS
		VN	30	-0.94	-0.000406	± 2.5	PASS
VN	40	4.21	0.001821	± 2.5	PASS		

		VN	50	3.37	0.001457	± 2.5	PASS
16QAM	LCH	VN	-30	-0.91	-0.000394	± 2.5	PASS
		VN	-20	-1.67	-0.000724	± 2.5	PASS
		VN	-10	-1.67	-0.000724	± 2.5	PASS
		VN	0	-0.33	-0.000143	± 2.5	PASS
		VN	10	3.84	0.001664	± 2.5	PASS
		VN	20	-1.65	-0.000715	± 2.5	PASS
		VN	30	-0.77	-0.000334	± 2.5	PASS
		VN	40	-0.88	-0.000381	± 2.5	PASS
		VN	50	3.11	0.001348	± 2.5	PASS
	HCH	VN	-30	2.14	0.000925	± 2.5	PASS
		VN	-20	4.66	0.002015	± 2.5	PASS
		VN	-10	-0.98	-0.000424	± 2.5	PASS
		VN	0	4.92	0.002128	± 2.5	PASS
		VN	10	-1.72	-0.000744	± 2.5	PASS
		VN	20	4.77	0.002063	± 2.5	PASS
		VN	30	4.64	0.002006	± 2.5	PASS
		VN	40	-0.17	-0.000074	± 2.5	PASS
		VN	50	1.34	0.000579	± 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	0.000913	0.000913	± 2.5	PASS
		VN	TN	0.000736	0.000736	± 2.5	PASS
		VH	TN	0.001515	0.001515	± 2.5	PASS
16QAM	MCH	VL	TN	-0.07	-0.000030	± 2.5	PASS
		VN	TN	4.63	0.002004	± 2.5	PASS
		VH	TN	4.96	0.002147	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	MCH	VN	-30	0.000935	0.000935	± 2.5	PASS
		VN	-20	0.001372	0.001372	± 2.5	PASS
		VN	-10	0.001654	0.001654	± 2.5	PASS
		VN	0	0.000606	0.000606	± 2.5	PASS
		VN	10	0.001697	0.001697	± 2.5	PASS
		VN	20	0.000957	0.000957	± 2.5	PASS
		VN	30	0.000632	0.000632	± 2.5	PASS

		VN	40	0.000892	0.000892	± 2.5	PASS
		VN	50	-0.000208	-0.000208	± 2.5	PASS
QPSK	MCH	VN	-30	0.000987	0.000987	± 2.5	PASS
		VN	-20	0.000065	0.000065	± 2.5	PASS
		VN	-10	-0.000554	-0.000554	± 2.5	PASS
		VN	0	0.000043	0.000043	± 2.5	PASS
		VN	10	0.001931	0.001931	± 2.5	PASS
		VN	20	0.001087	0.001087	± 2.5	PASS
		VN	30	-0.000576	-0.000576	± 2.5	PASS
		VN	40	0.000848	0.000848	± 2.5	PASS
		VN	50	-0.000463	-0.000463	± 2.5	PASS