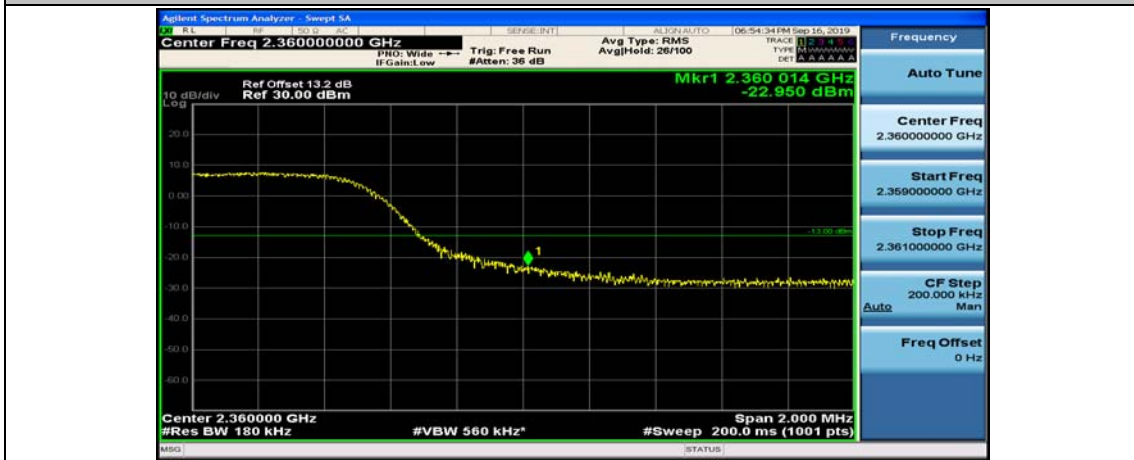




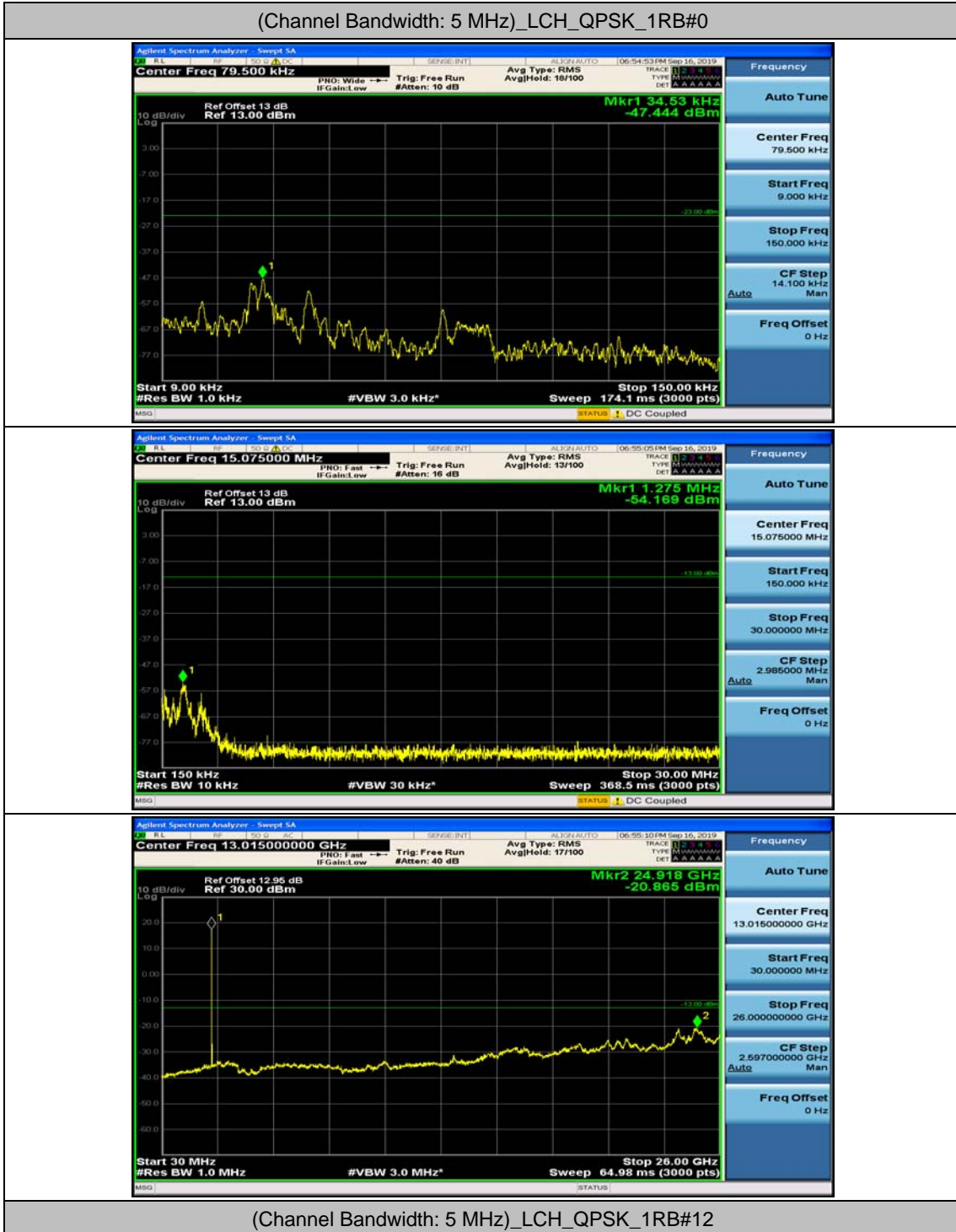
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

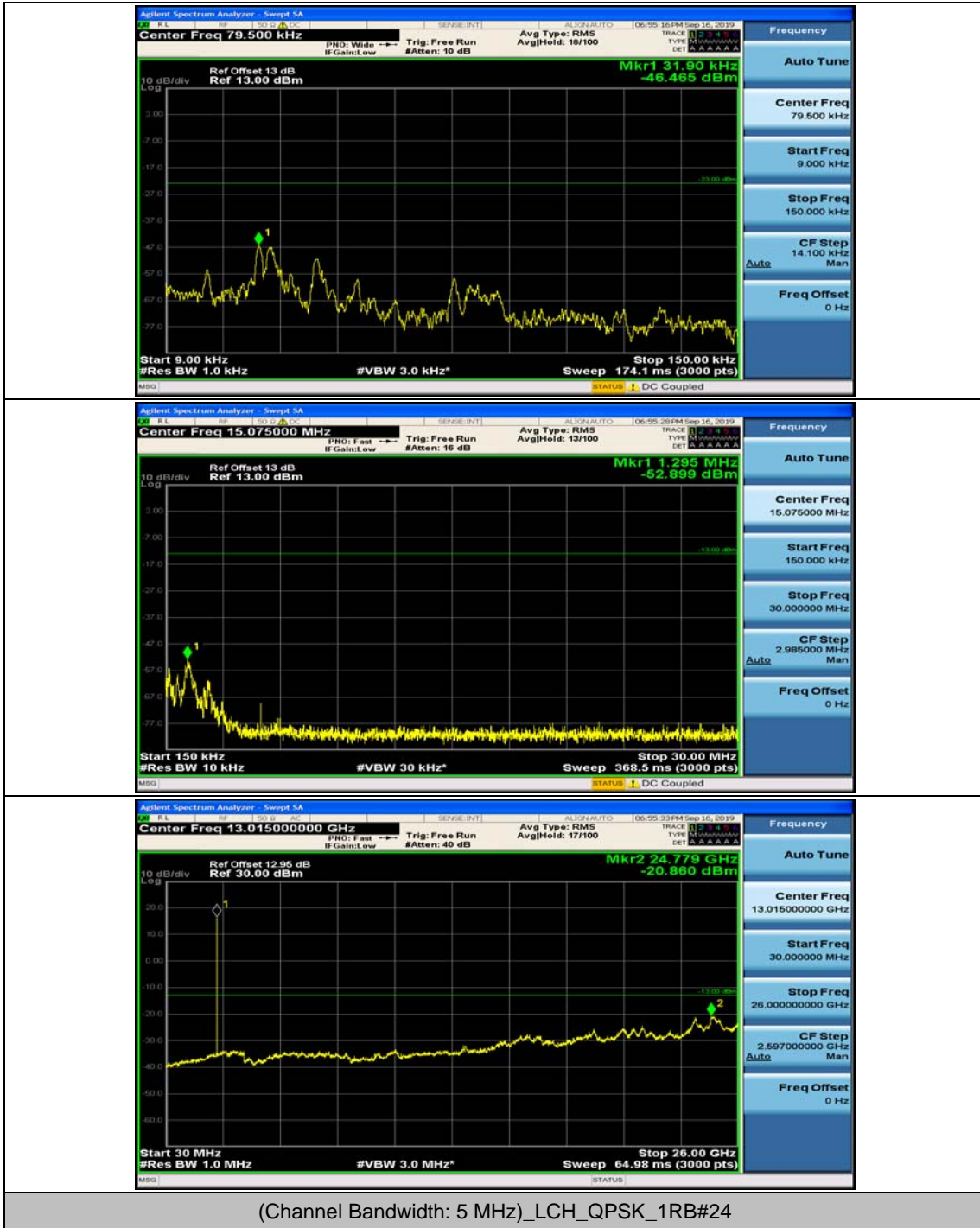


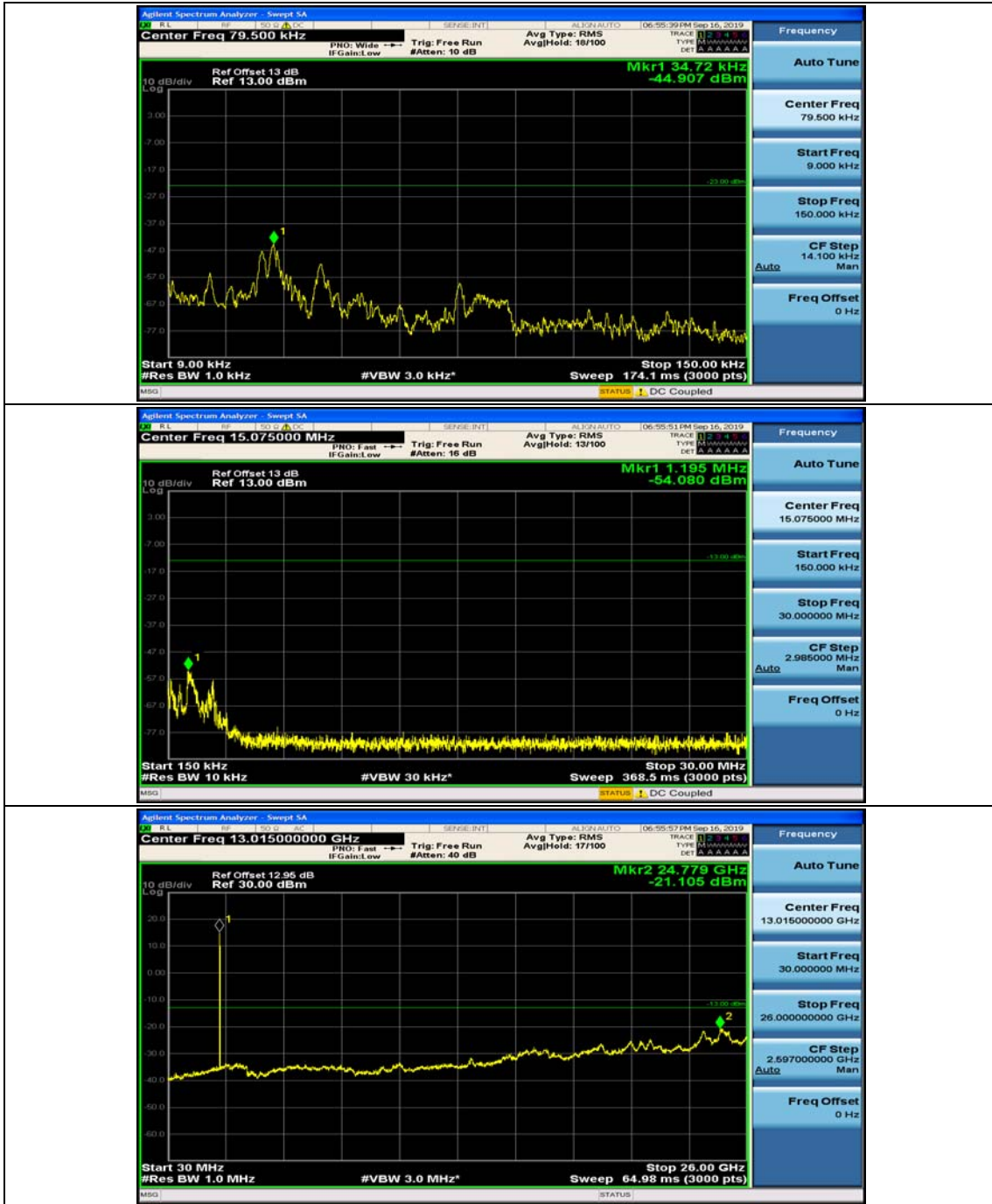
Appendix E: Conducted Spurious Emission

Test Graphs

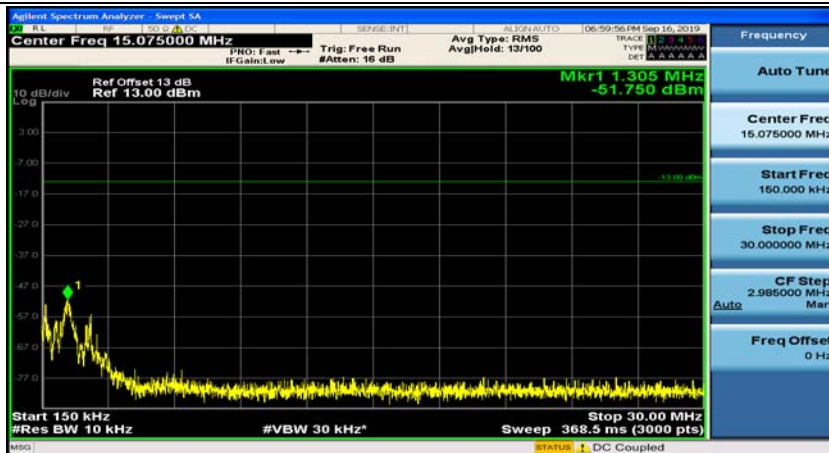
Channel Bandwidth: 5 MHz



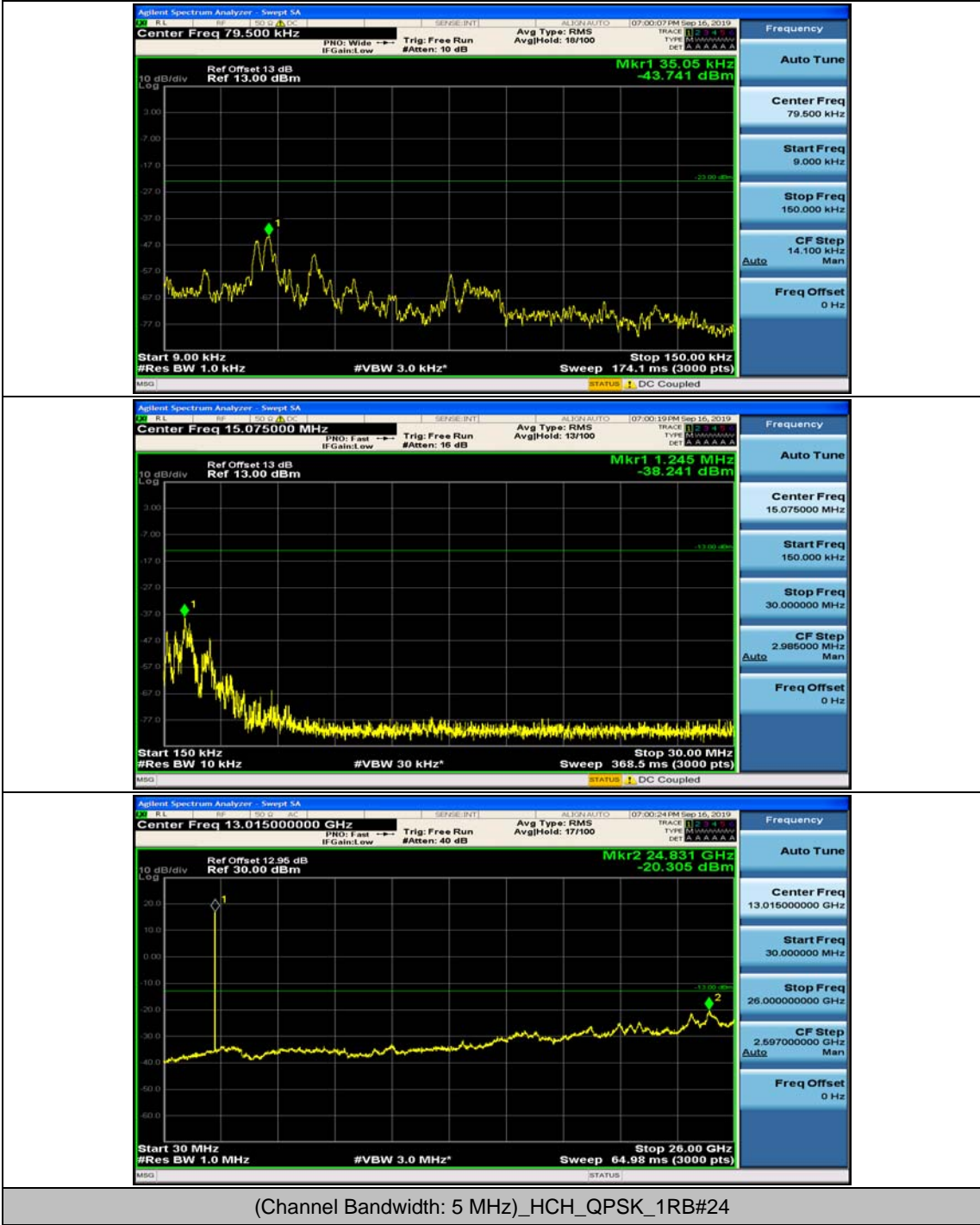


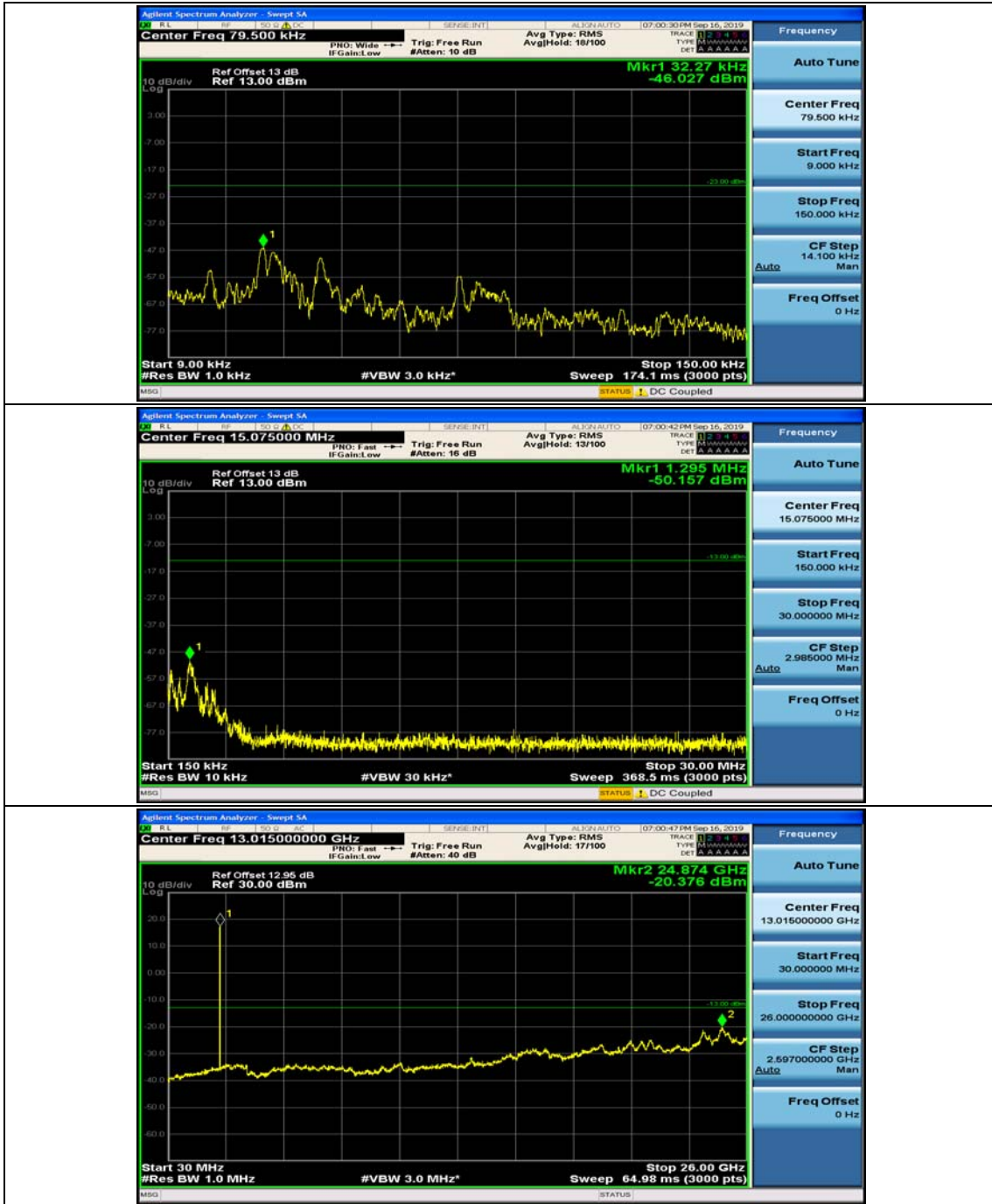


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

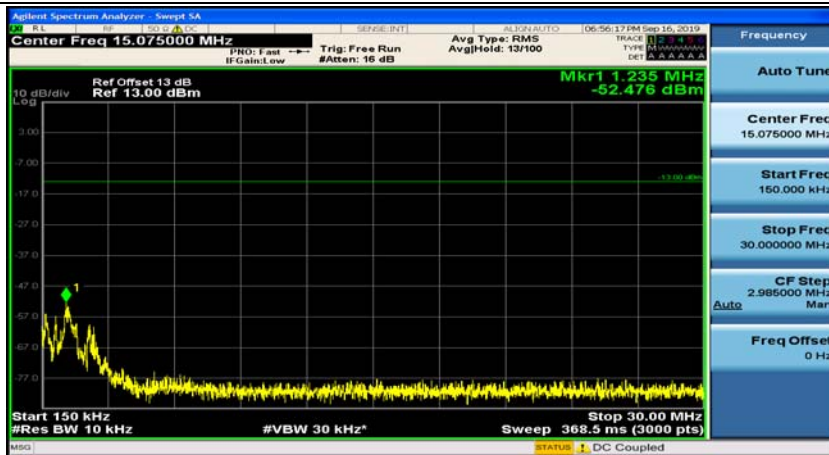


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

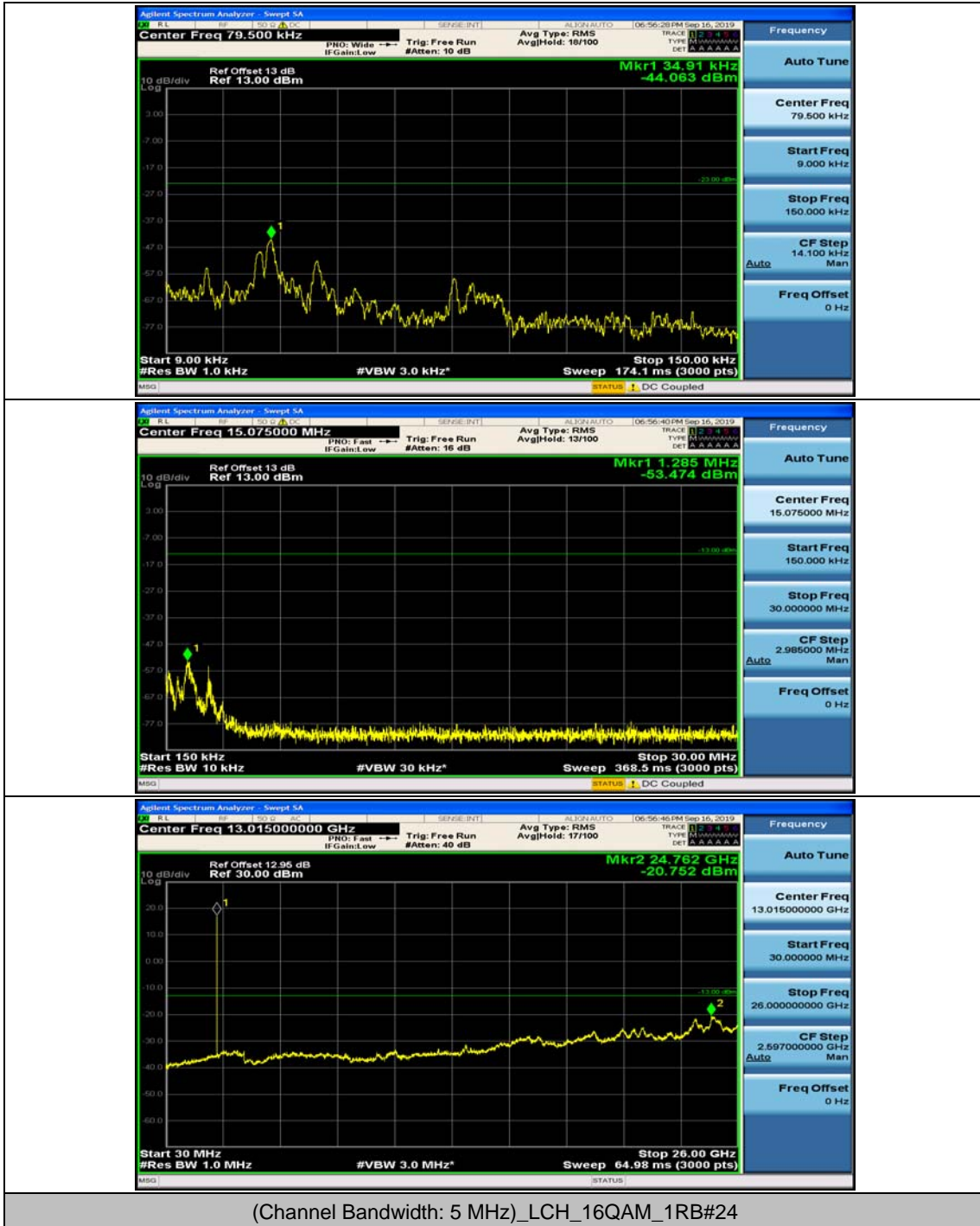


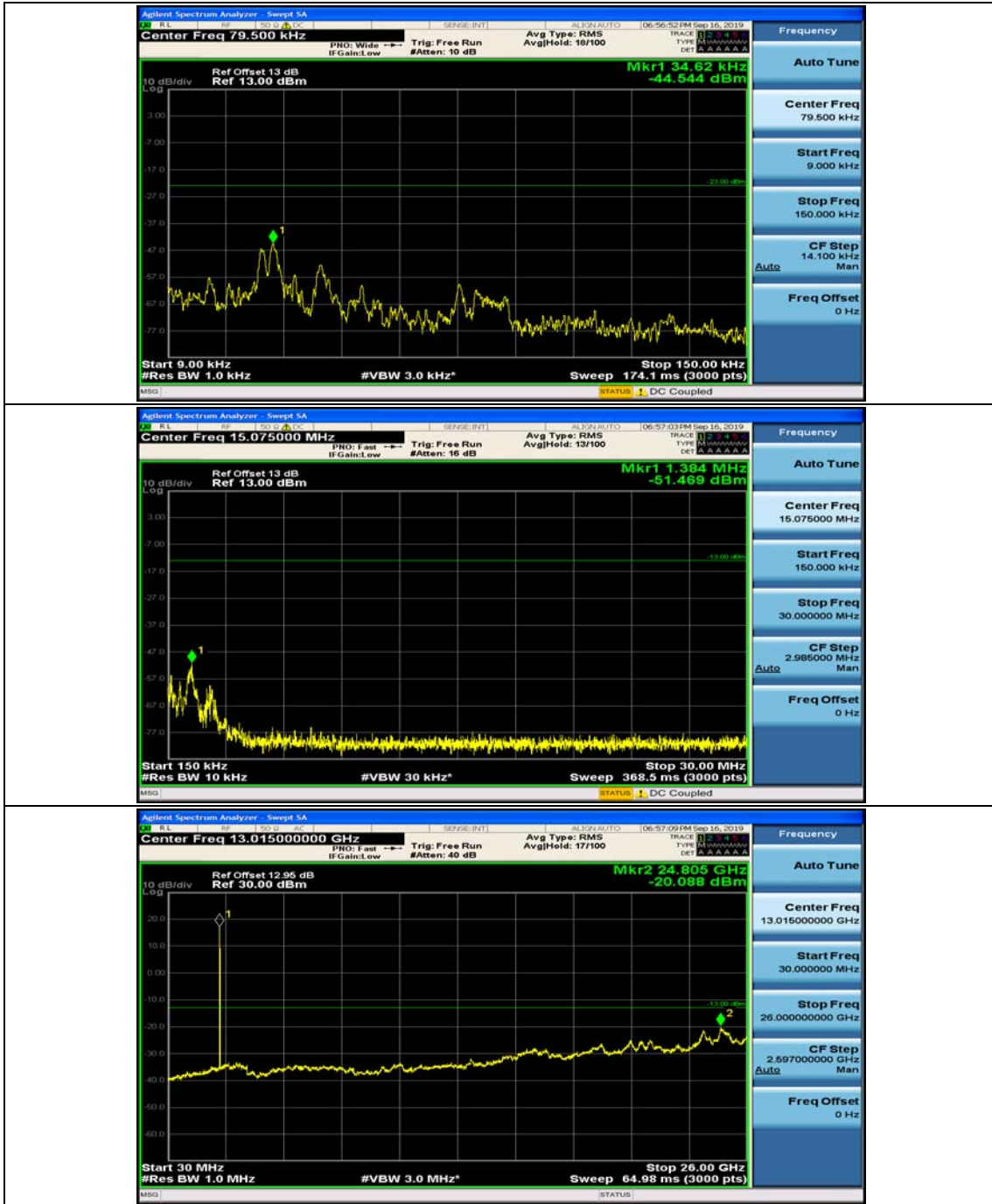


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

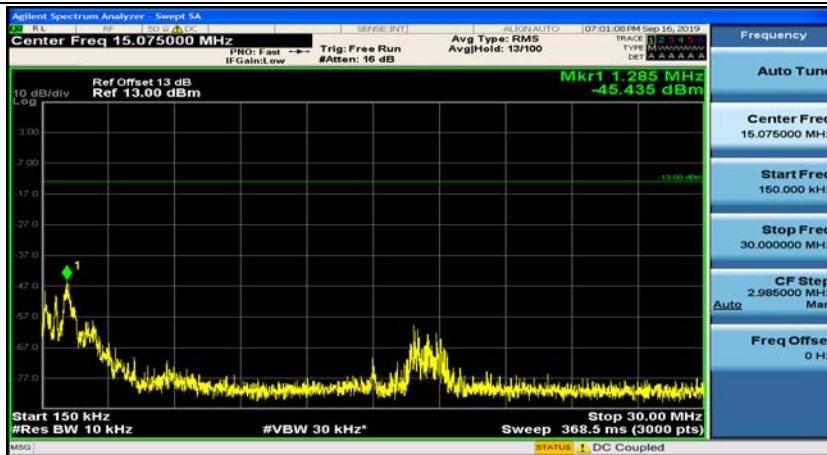


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

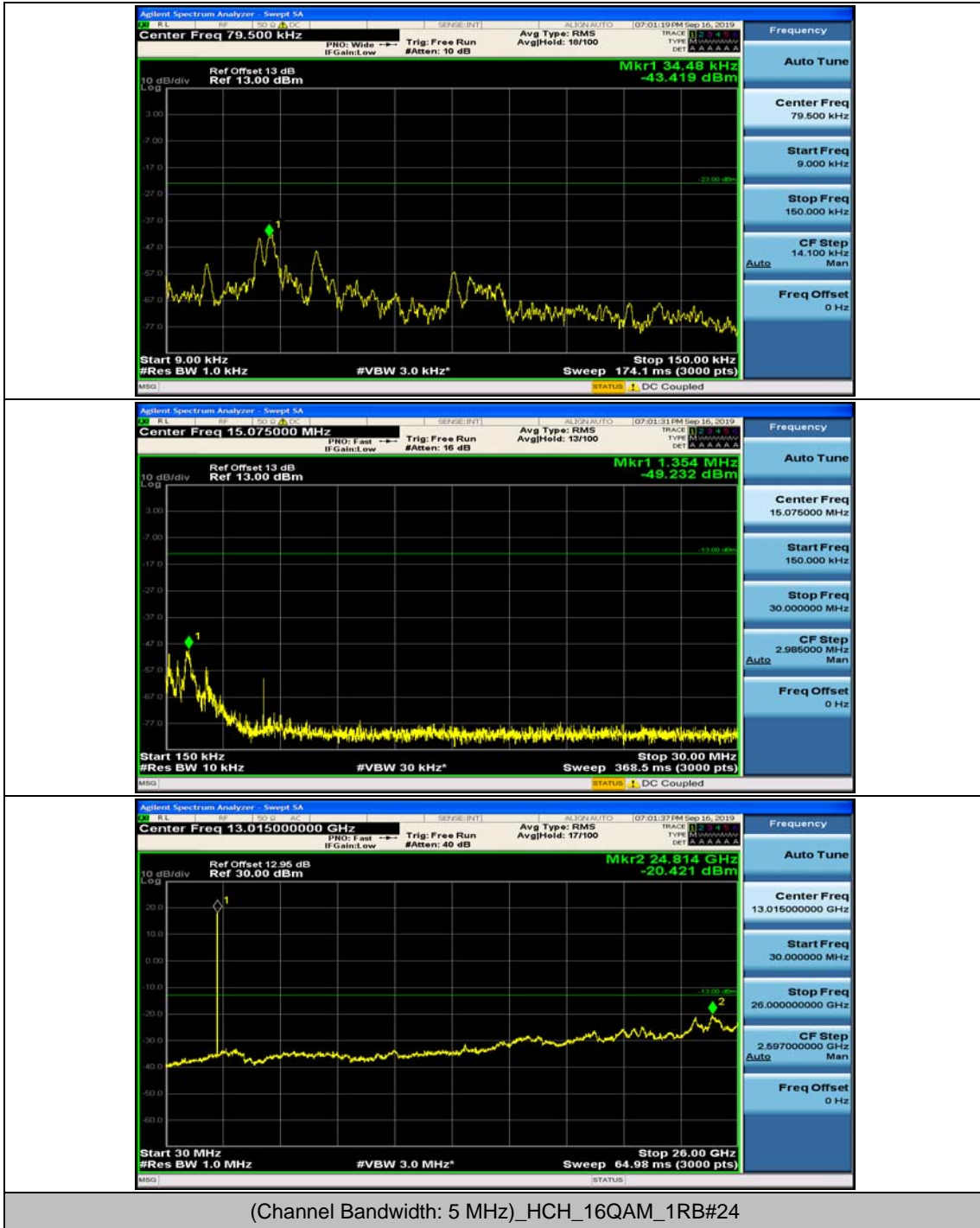




(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

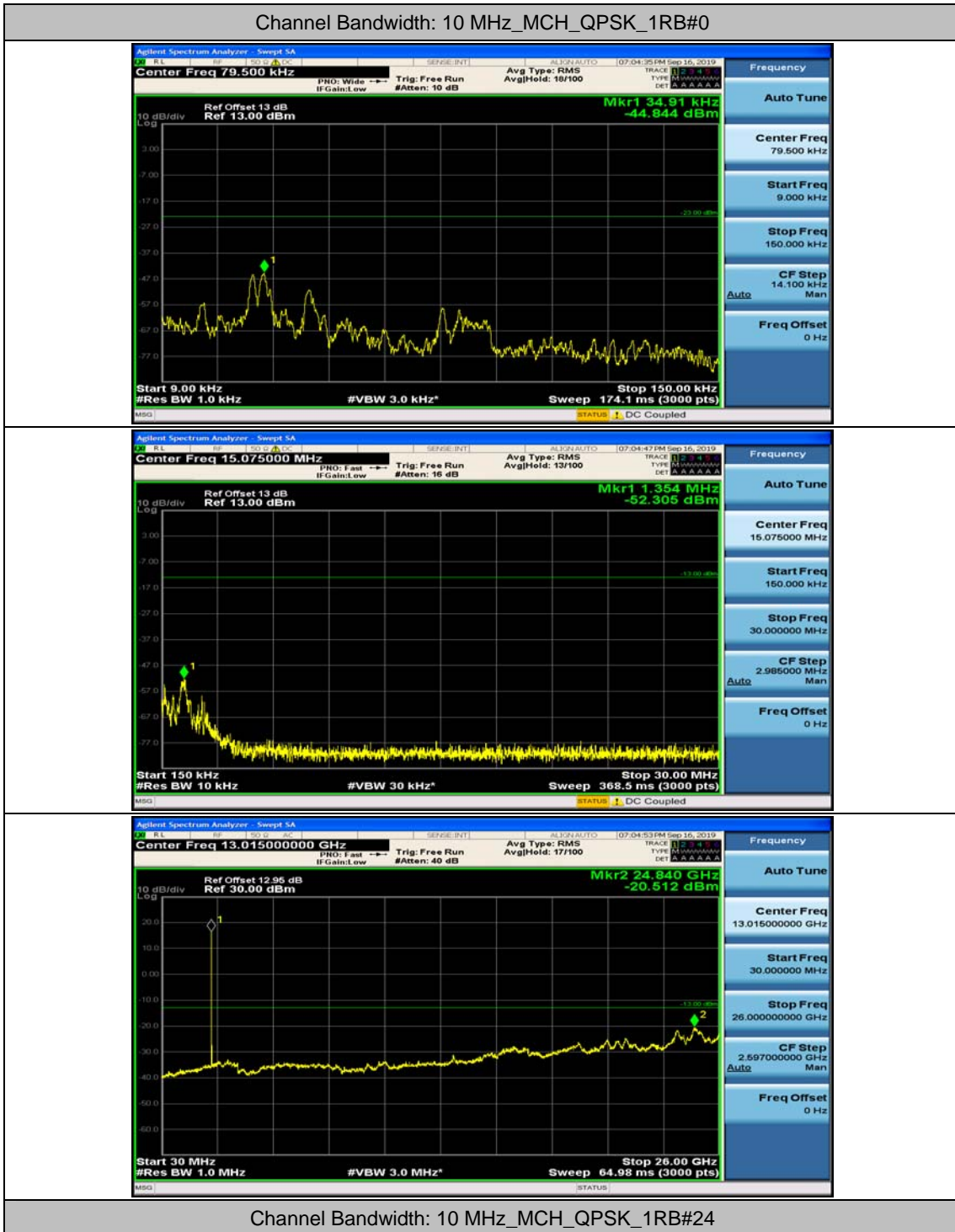


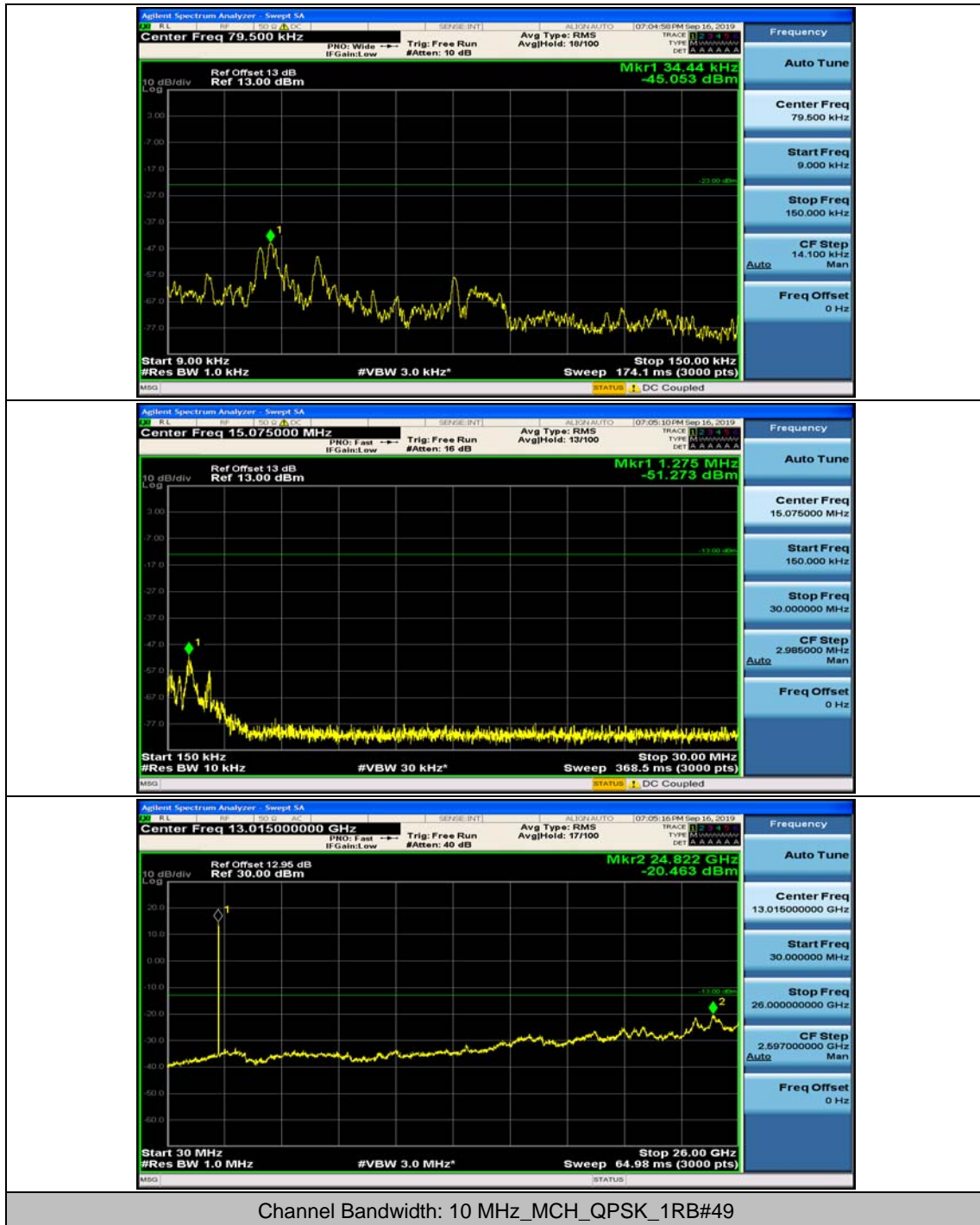
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

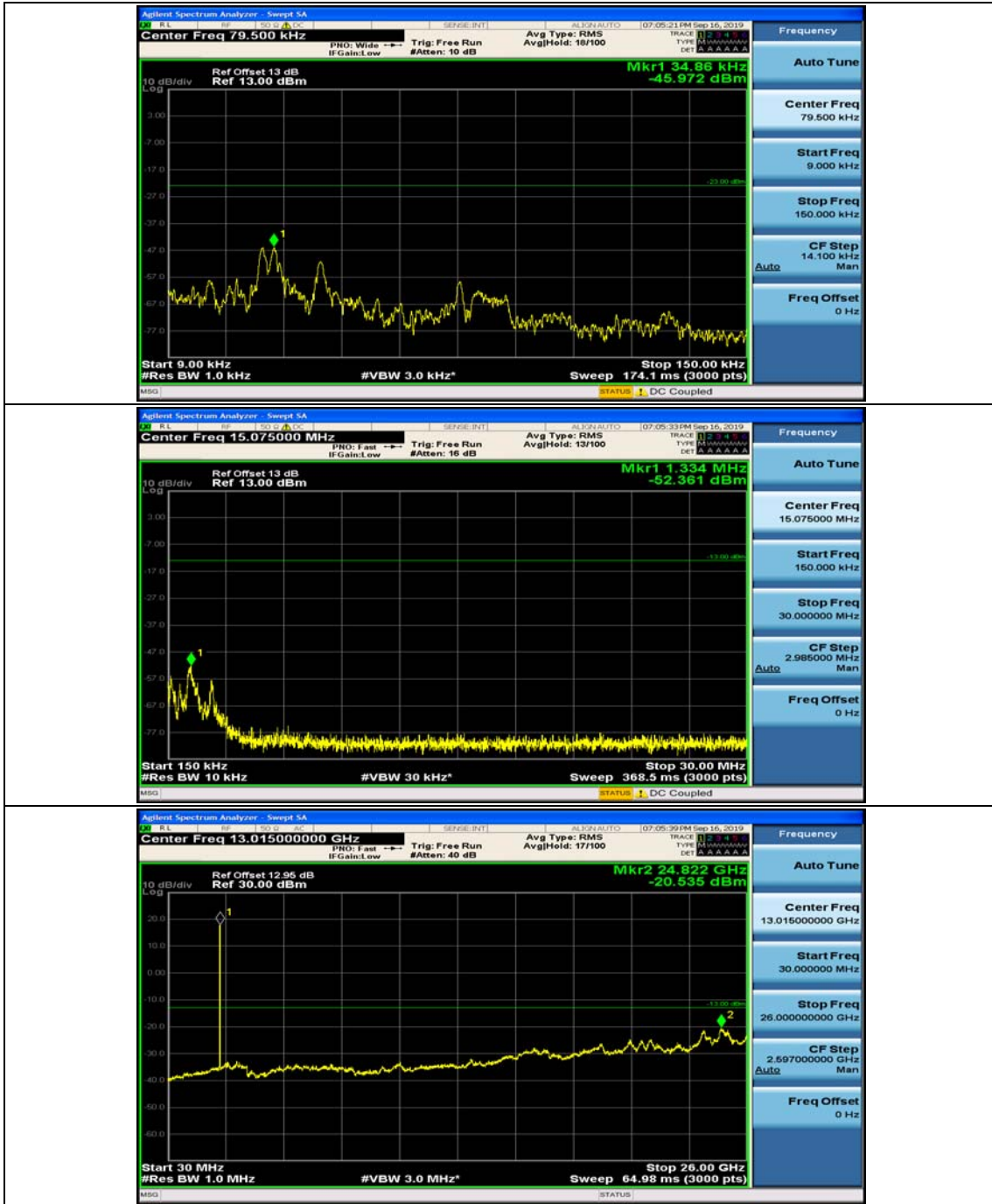




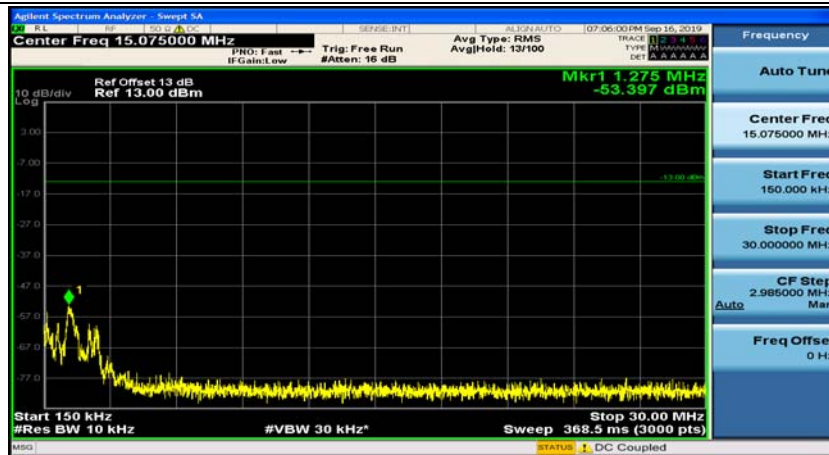
Channel Bandwidth: 10 MHz



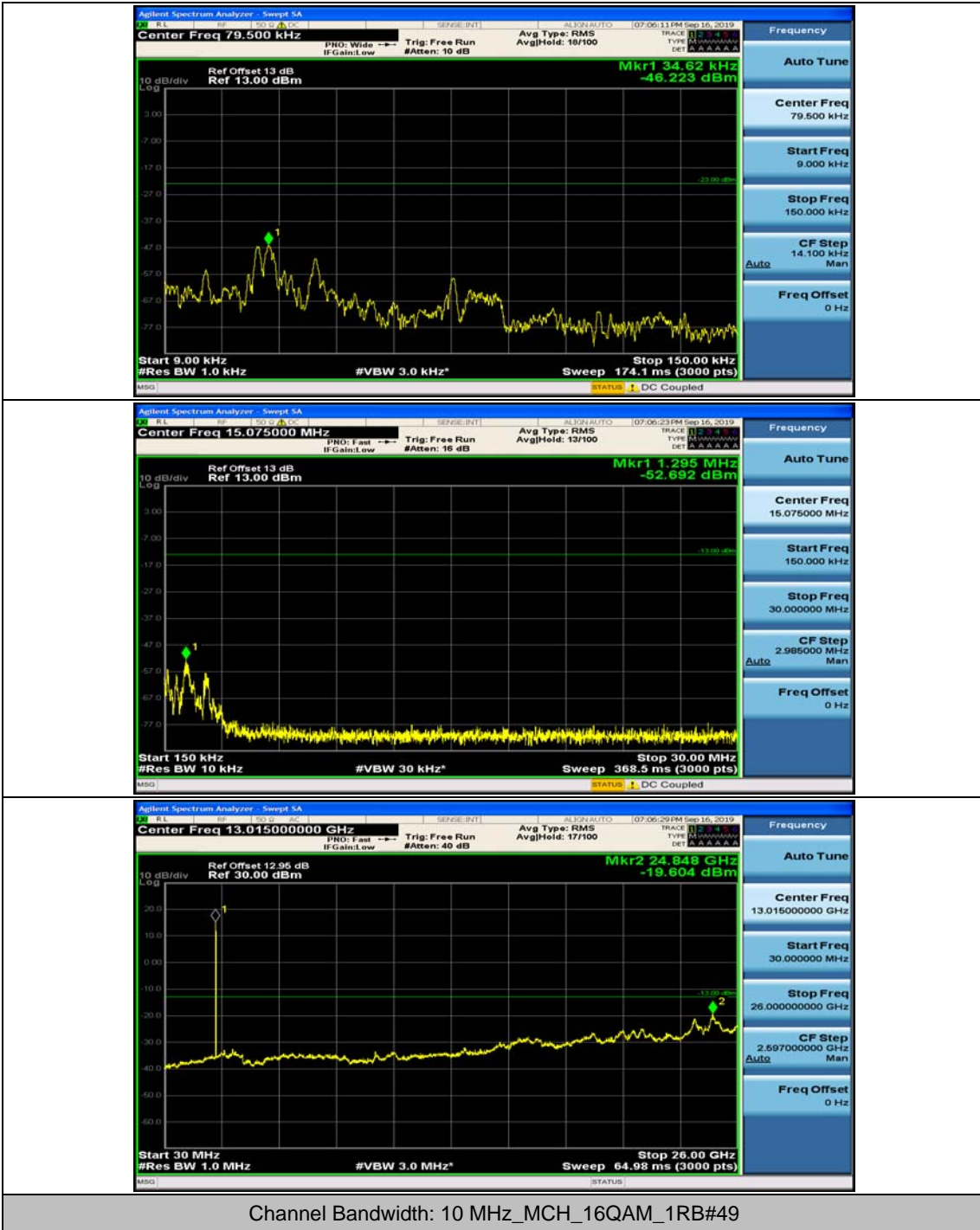


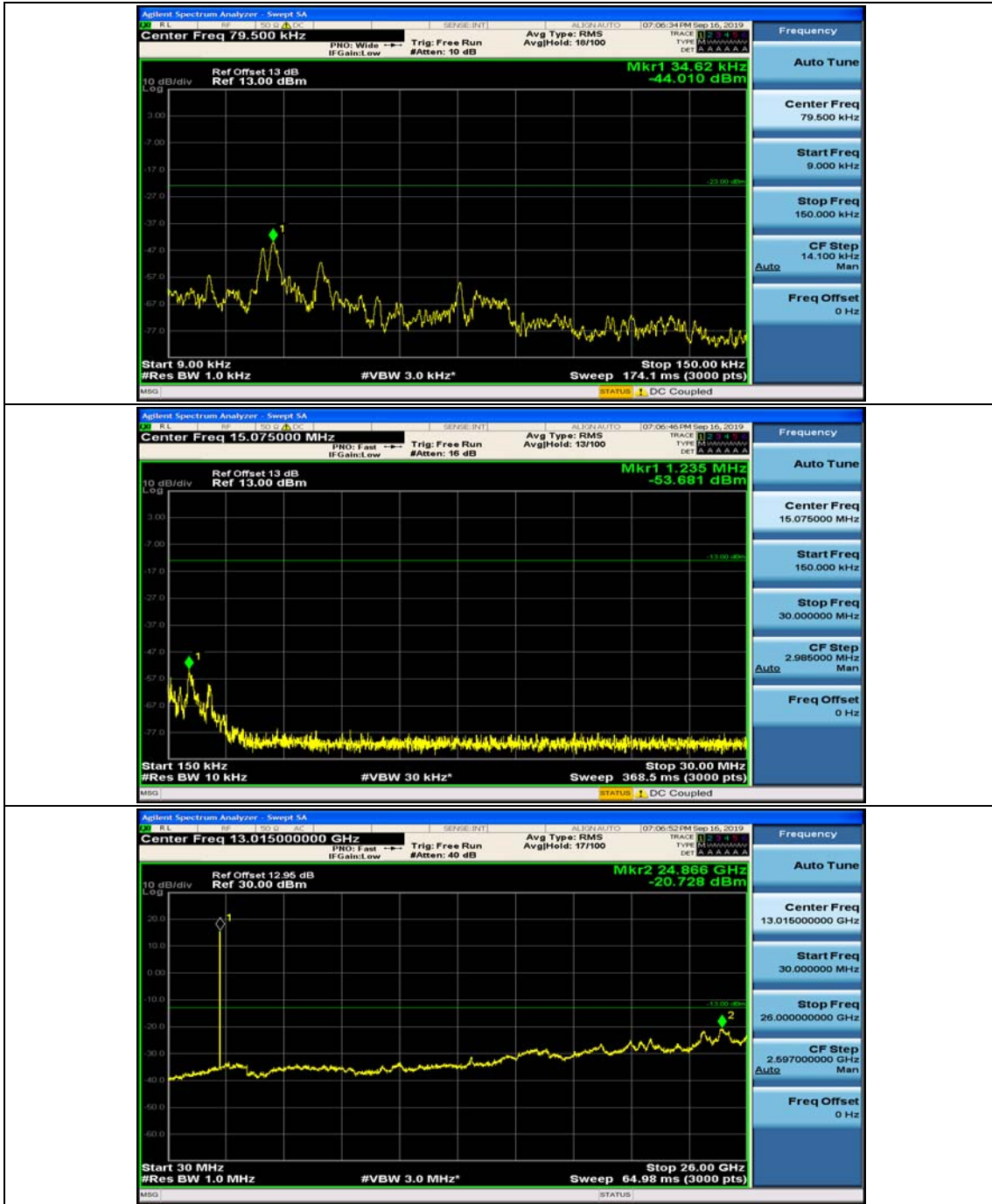


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0



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	4.96	0.002150	± 2.5	PASS
		VN	TN	0.04	0.000017	± 2.5	PASS
		VH	TN	0.79	0.000342	± 2.5	PASS
	HCH	VL	TN	1.1	0.000476	± 2.5	PASS
		VN	TN	3.52	0.001522	± 2.5	PASS
		VH	TN	3.31	0.001431	± 2.5	PASS
16QAM	LCH	VL	TN	1.13	0.000490	± 2.5	PASS
		VN	TN	1.52	0.000659	± 2.5	PASS
		VH	TN	0.61	0.000264	± 2.5	PASS
	HCH	VL	TN	0.38	0.000164	± 2.5	PASS
		VN	TN	2.27	0.000982	± 2.5	PASS
		VH	TN	1.96	0.000848	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.47	-0.000637	± 2.5	PASS
		VN	-20	3.16	0.001369	± 2.5	PASS
		VN	-10	4.62	0.002002	± 2.5	PASS
		VN	0	3.72	0.001612	± 2.5	PASS
		VN	10	4.48	0.001941	± 2.5	PASS
		VN	20	2.96	0.001283	± 2.5	PASS
		VN	30	0.05	0.000022	± 2.5	PASS
		VN	40	2.42	0.001049	± 2.5	PASS
	HCH	VN	50	-1.69	-0.000732	± 2.5	PASS
		VN	-30	-1.92	-0.000830	± 2.5	PASS
		VN	-20	0.75	0.000324	± 2.5	PASS
		VN	-10	1.59	0.000688	± 2.5	PASS
		VN	0	3.77	0.001630	± 2.5	PASS
		VN	10	4.9	0.002119	± 2.5	PASS
VN	20	2.05	0.000886	± 2.5	PASS		
VN	30	1.99	0.000861	± 2.5	PASS		

		VN	40	2.85	0.001232	± 2.5	PASS
		VN	50	-0.01	-0.000004	± 2.5	PASS
16QAM	LCH	VN	-30	2.16	0.000936	± 2.5	PASS
		VN	-20	-0.83	-0.000360	± 2.5	PASS
		VN	-10	4.41	0.001911	± 2.5	PASS
		VN	0	4.77	0.002067	± 2.5	PASS
		VN	10	-0.77	-0.000334	± 2.5	PASS
		VN	20	3.44	0.001491	± 2.5	PASS
		VN	30	4.79	0.002076	± 2.5	PASS
		VN	40	1.21	0.000524	± 2.5	PASS
		VN	50	3.7	0.001603	± 2.5	PASS
	HCH	VN	-30	4.72	0.002041	± 2.5	PASS
		VN	-20	3.7	0.001600	± 2.5	PASS
		VN	-10	-0.23	-0.000099	± 2.5	PASS
		VN	0	-1.64	-0.000709	± 2.5	PASS
		VN	10	0.4	0.000173	± 2.5	PASS
		VN	20	2.82	0.001219	± 2.5	PASS
		VN	30	1.39	0.000601	± 2.5	PASS
		VN	40	-0.54	-0.000234	± 2.5	PASS
		VN	50	0.2	0.000086	± 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	0.000208	0.000208	± 2.5	PASS
		VN	TN	0.002108	0.002108	± 2.5	PASS
		VH	TN	0.000558	0.000558	± 2.5	PASS
16QAM	MCH	VL	TN	2.1	0.000909	± 2.5	PASS
		VN	TN	0.9	0.000390	± 2.5	PASS
		VH	TN	-0.23	-0.000100	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	MCH	VN	-30	1.55	0.000671	± 2.5	PASS
		VN	-20	2.88	0.001247	± 2.5	PASS
		VN	-10	-0.58	-0.000251	± 2.5	PASS
		VN	0	3.51	0.001519	± 2.5	PASS
		VN	10	-0.25	-0.000108	± 2.5	PASS
		VN	20	2.41	0.001043	± 2.5	PASS
		VN	30	1.3	0.000563	± 2.5	PASS
		VN	40	1.89	0.000818	± 2.5	PASS
		VN	50	4.31	0.001866	± 2.5	PASS
QPSK	MCH	VN	-30	0.16	0.000069	± 2.5	PASS
		VN	-20	0.9	0.000390	± 2.5	PASS
		VN	-10	4.15	0.001797	± 2.5	PASS
		VN	0	0.97	0.000420	± 2.5	PASS
		VN	10	2.52	0.001091	± 2.5	PASS
		VN	20	-1.71	-0.000740	± 2.5	PASS
		VN	30	-0.36	-0.000156	± 2.5	PASS
		VN	40	1.48	0.000641	± 2.5	PASS
		VN	50	0.29	0.000126	± 2.5	PASS