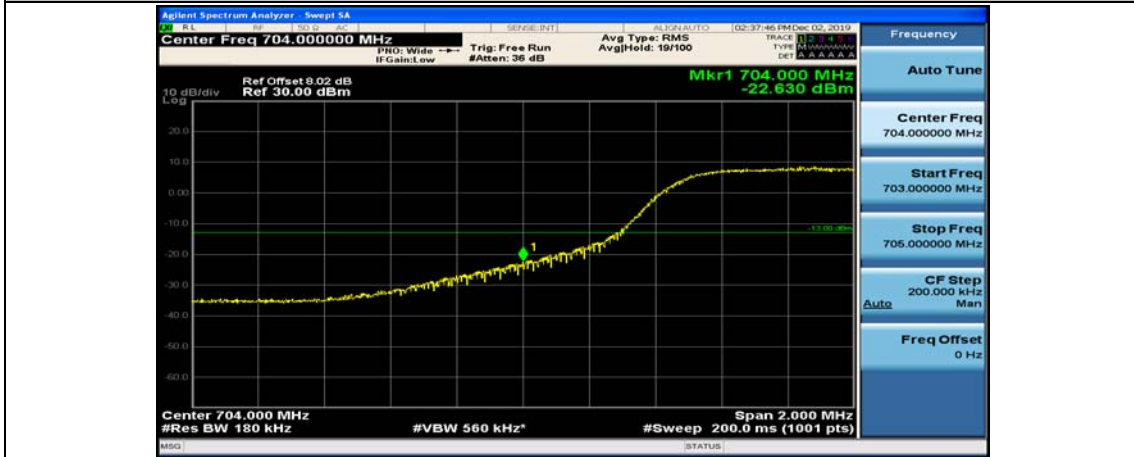
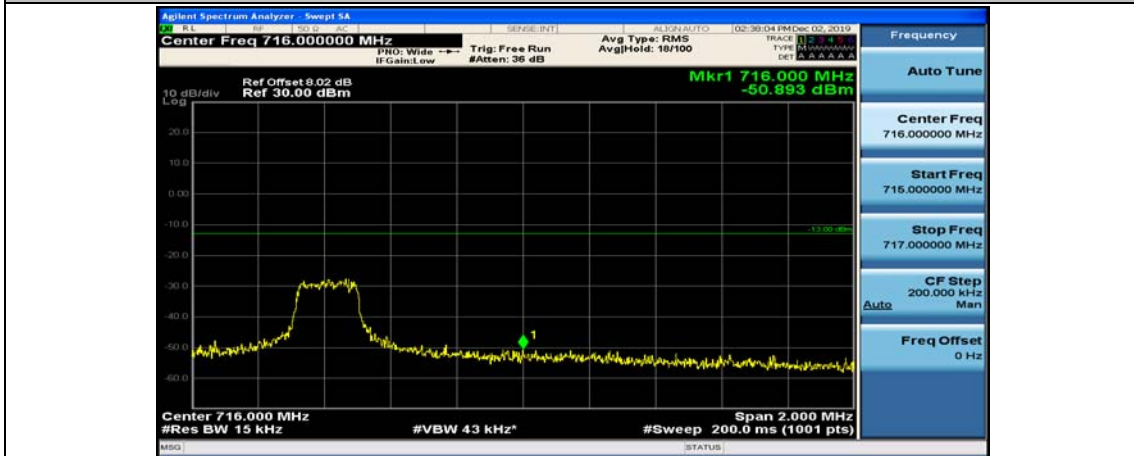




Channel Bandwidth: 10 MHz_LCH_QPSK_50RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0



Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24



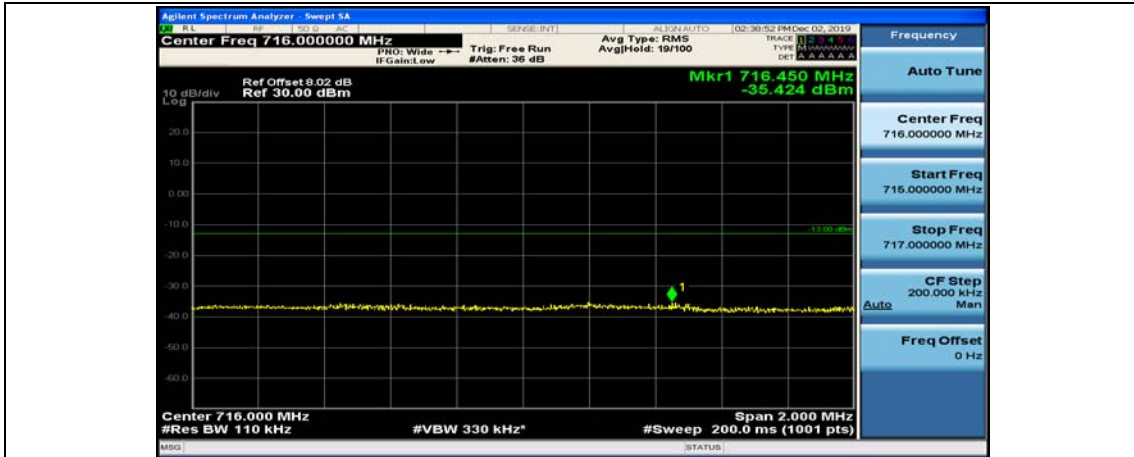
Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#49



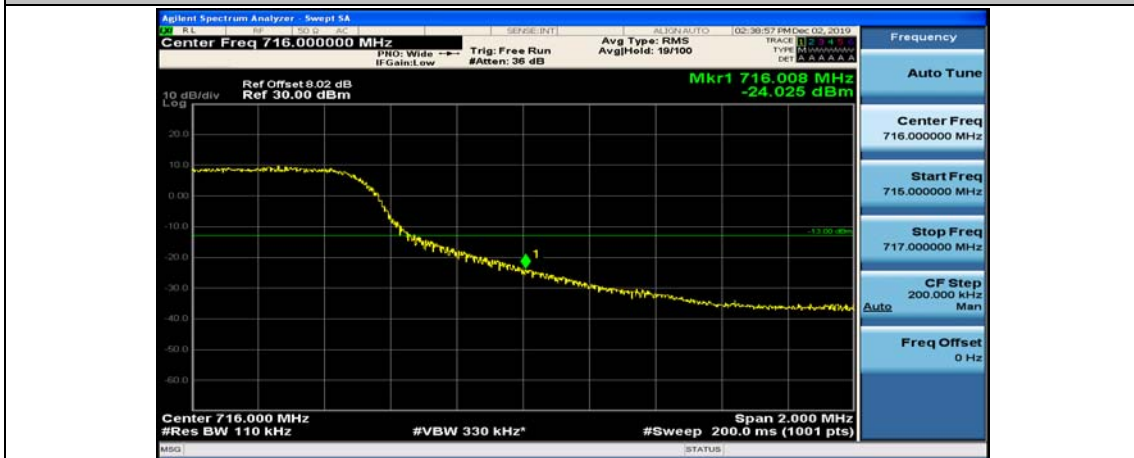
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#0



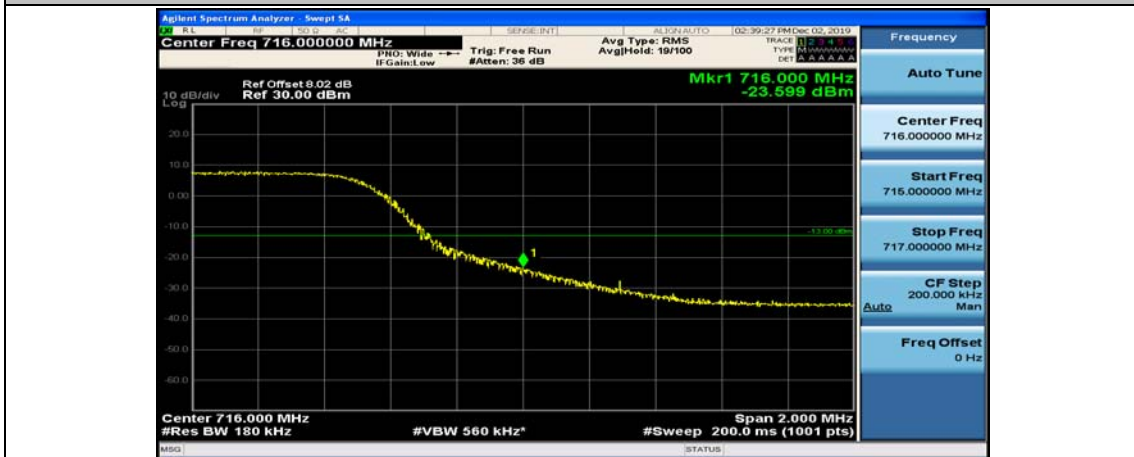
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#12



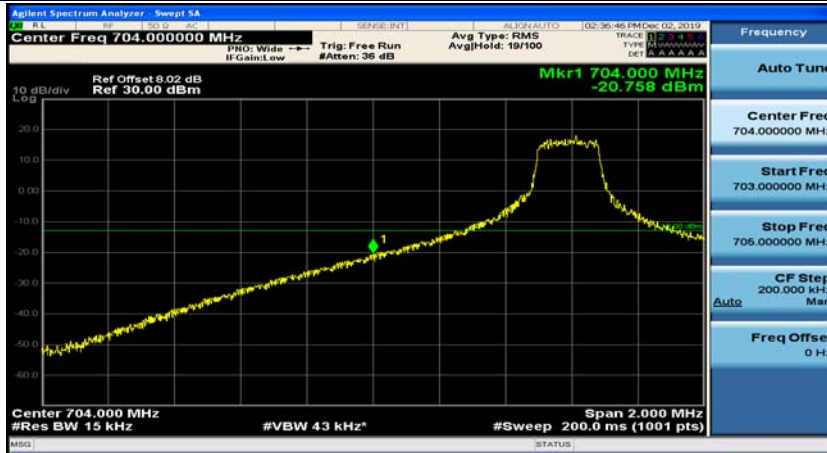
Channel Bandwidth: 10 MHz_HCH_QPSK_25RB#25



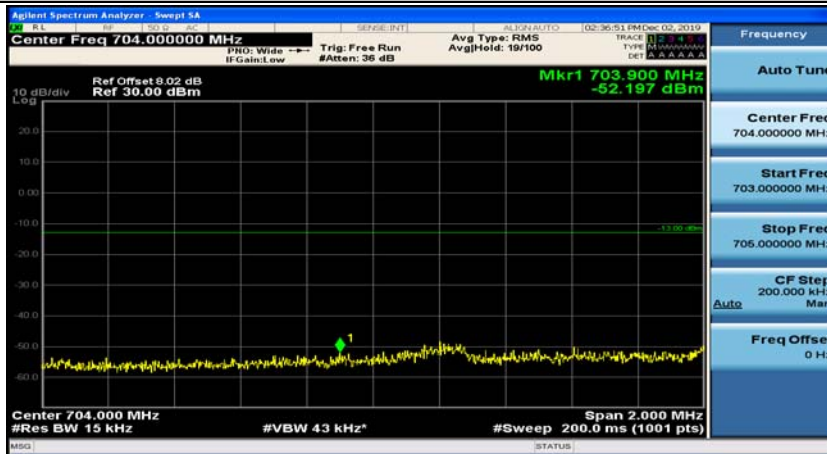
Channel Bandwidth: 10 MHz_HCH_QPSK_50RB#0



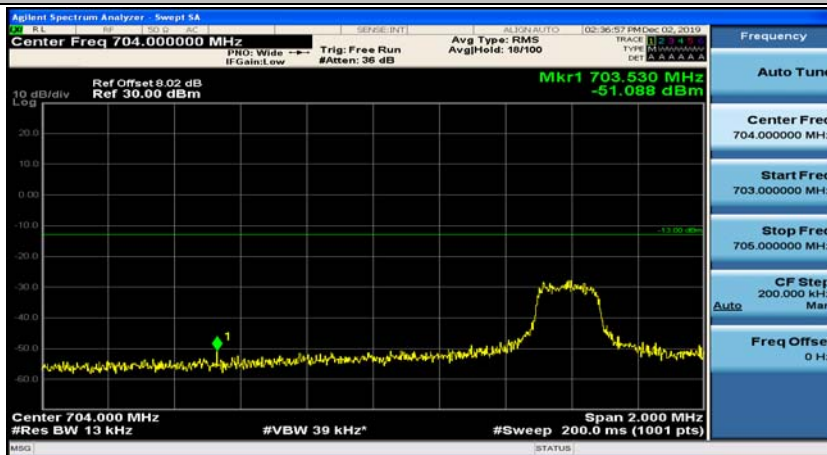
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0



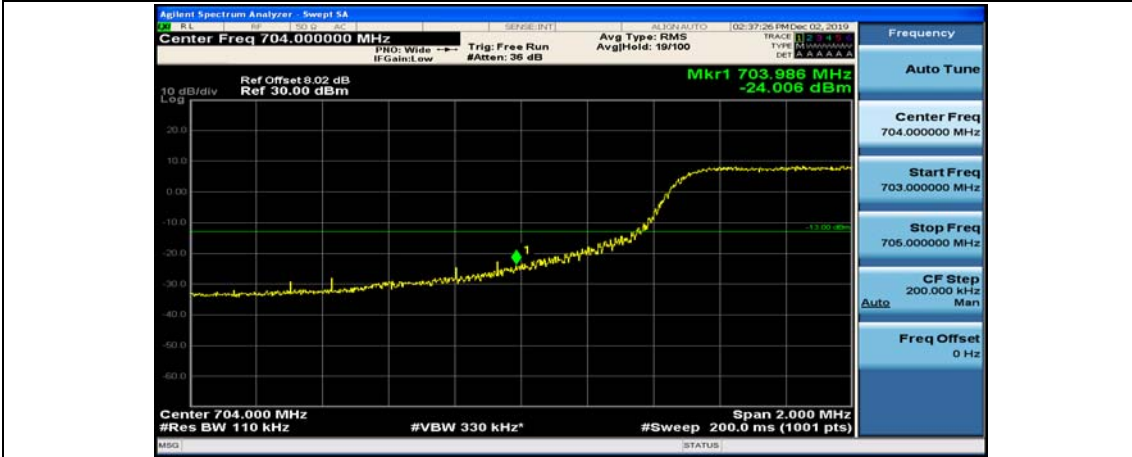
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#24



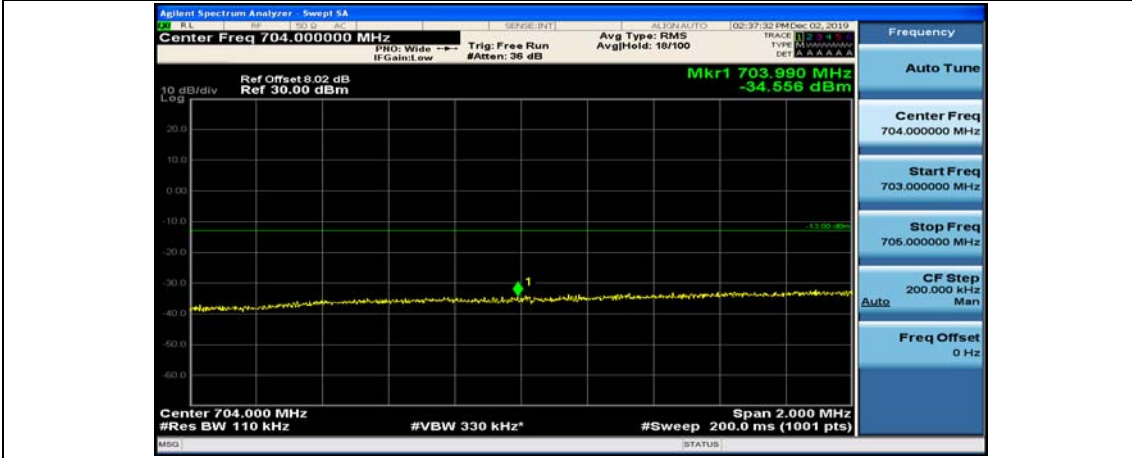
Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#49



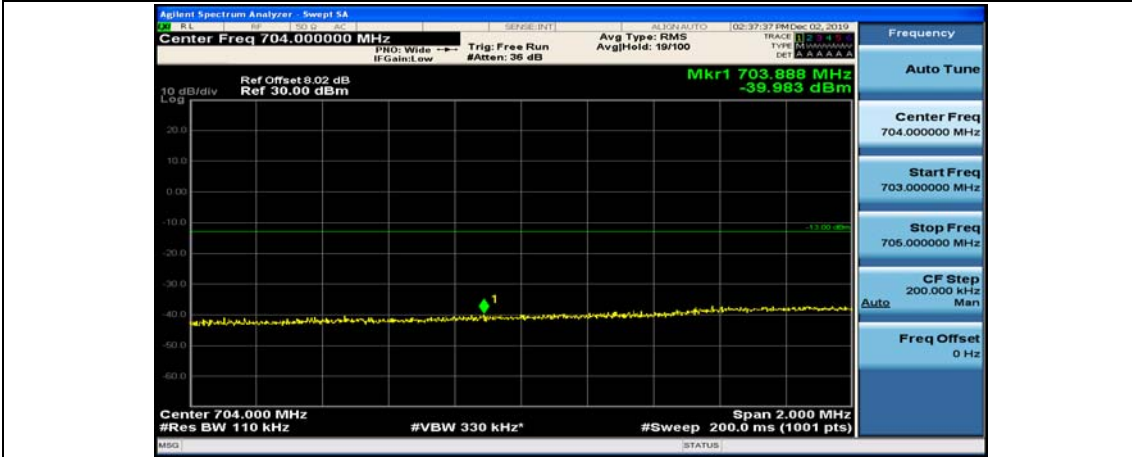
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#0



Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#12



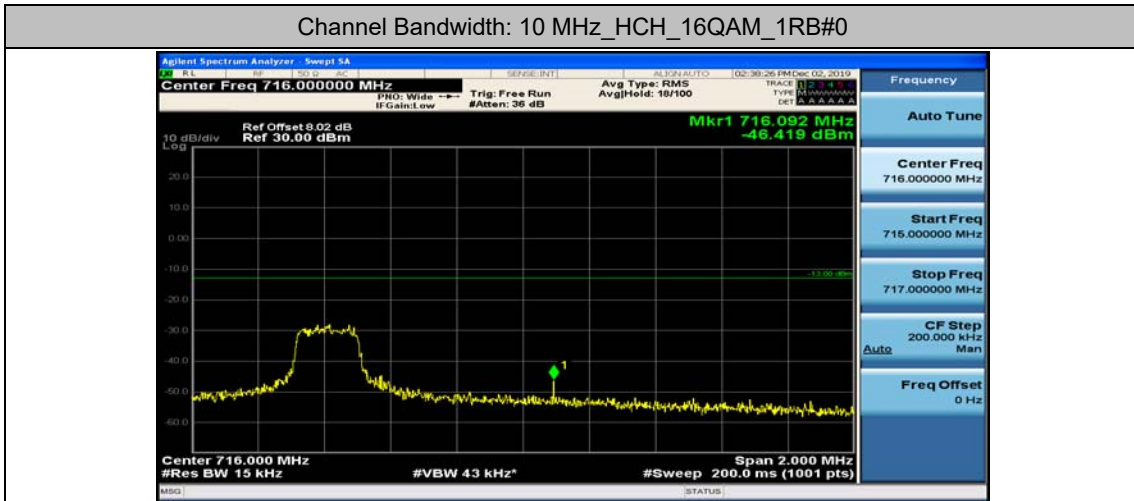
Channel Bandwidth: 10 MHz_LCH_16QAM_25RB#25



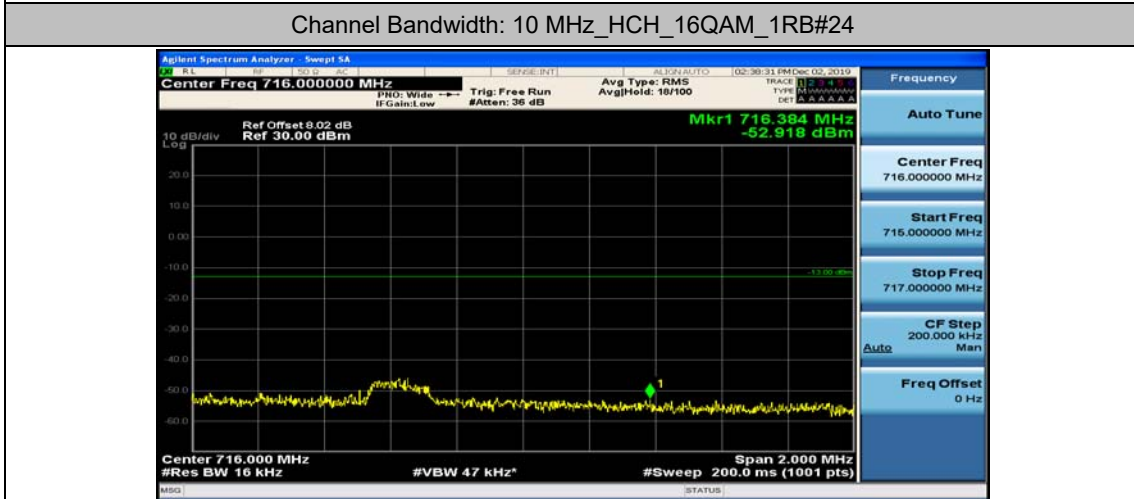
Channel Bandwidth: 10 MHz_LCH_16QAM_50RB#0



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



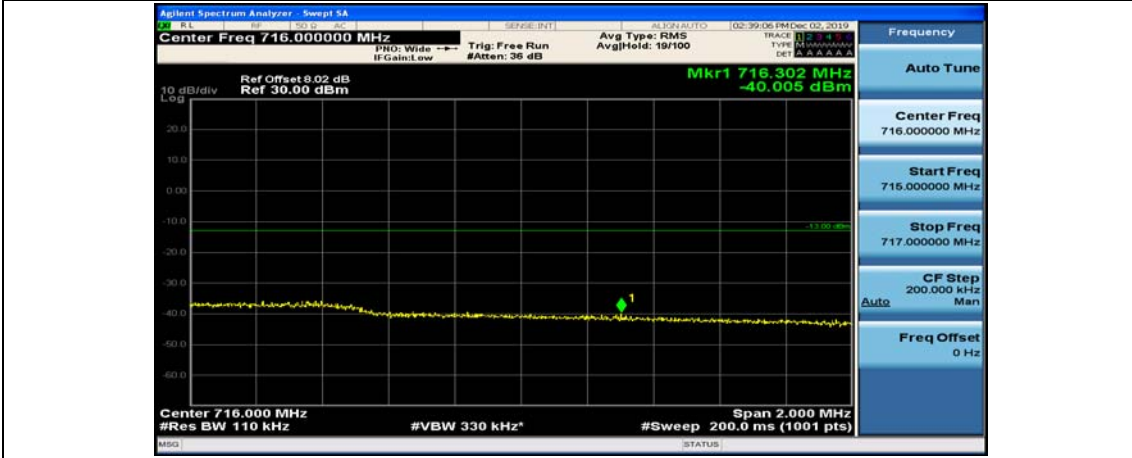
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24



Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#49



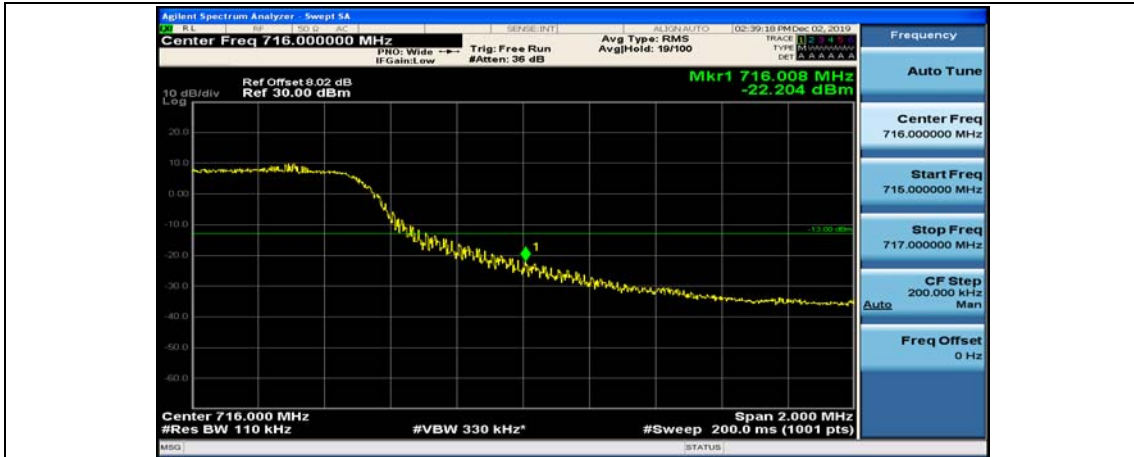
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#0



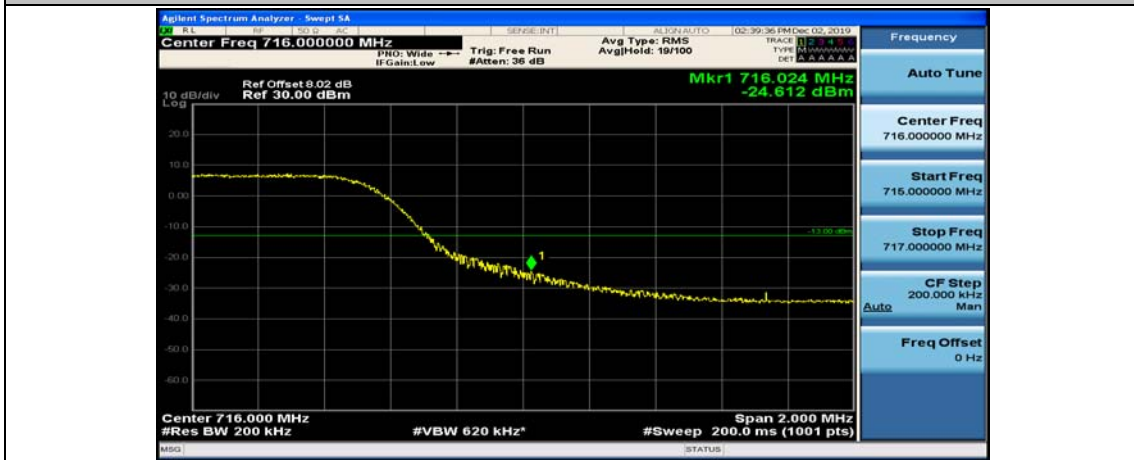
Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#12



Channel Bandwidth: 10 MHz_HCH_16QAM_25RB#25



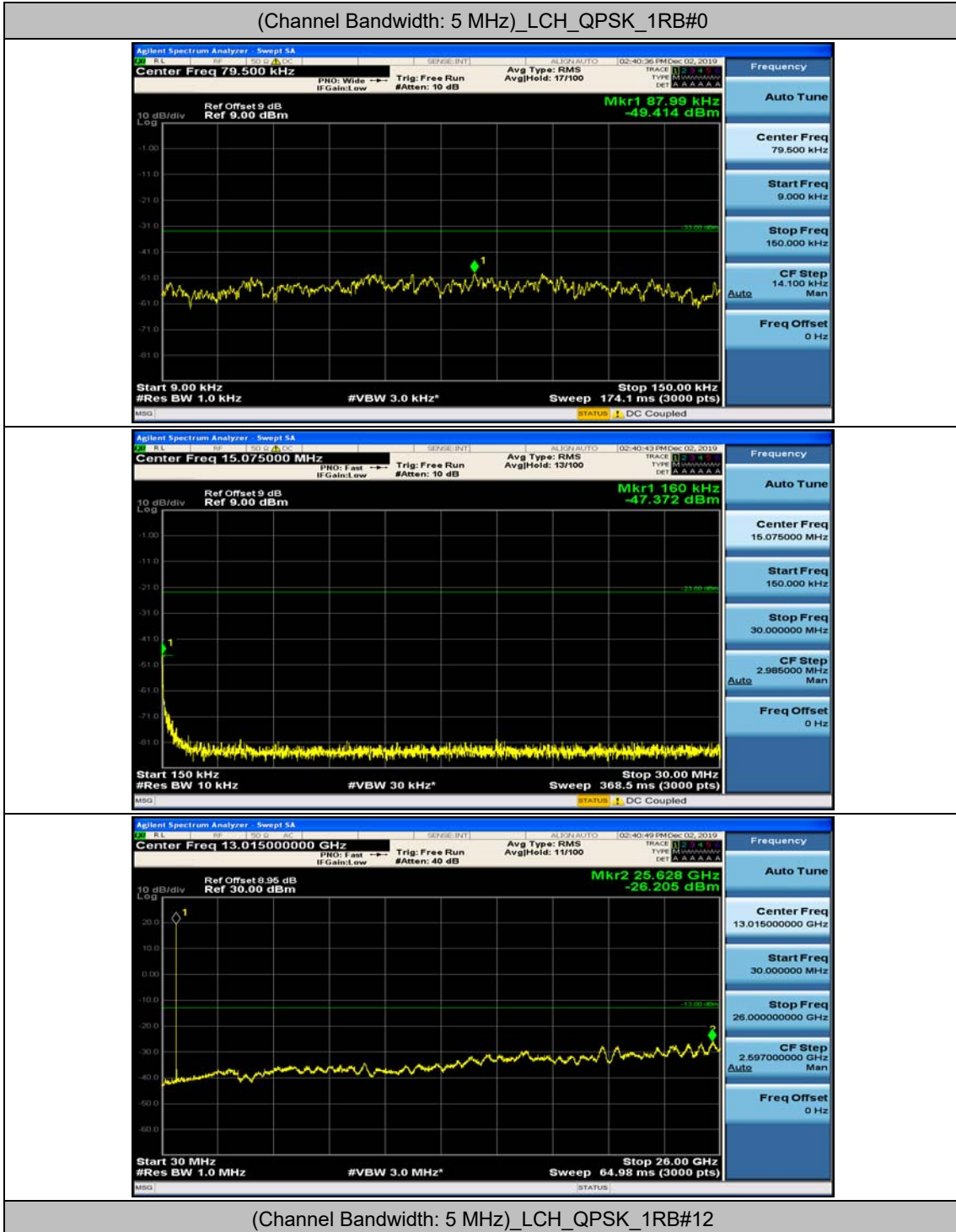
Channel Bandwidth: 10 MHz_HCH_16QAM_50RB#0

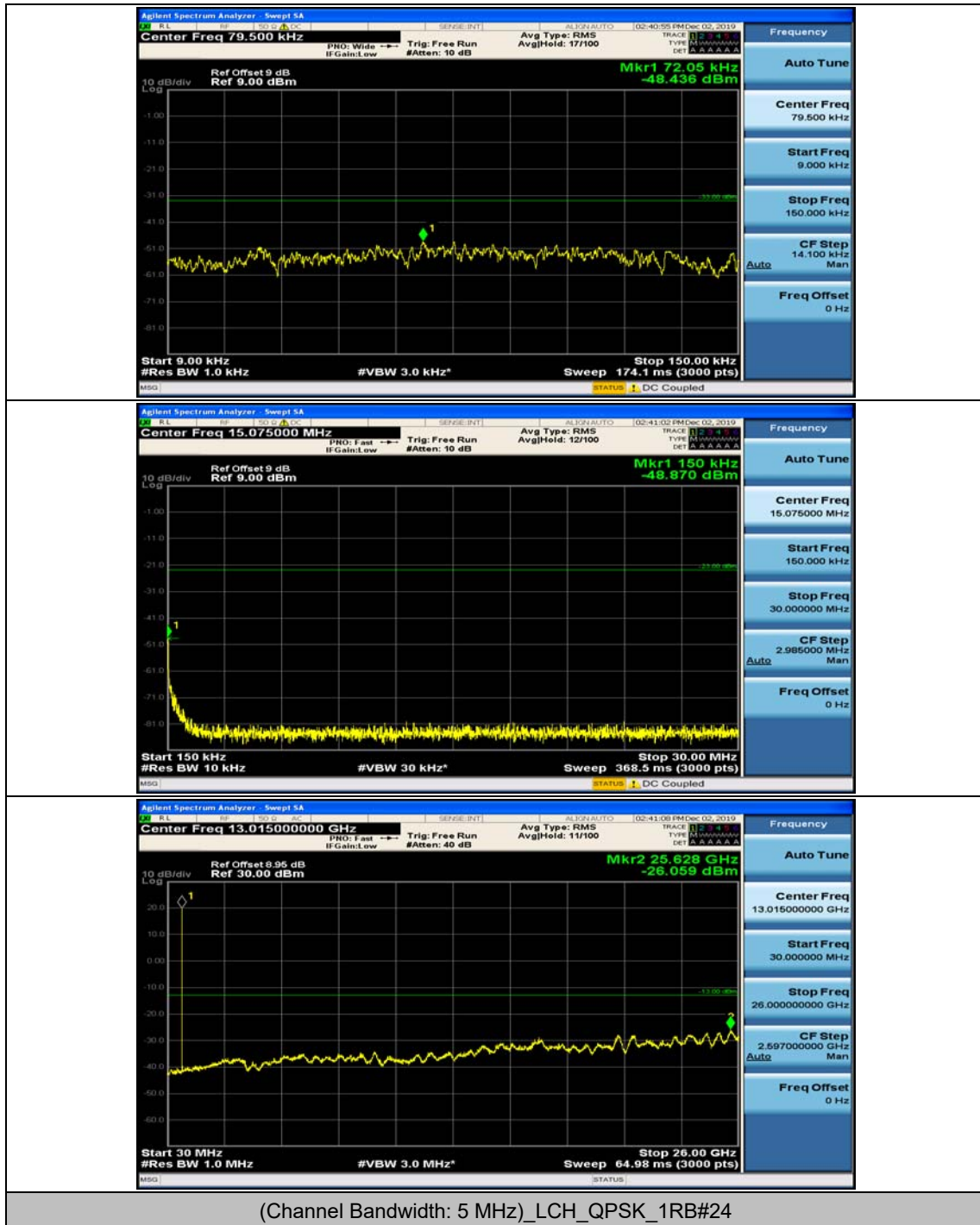


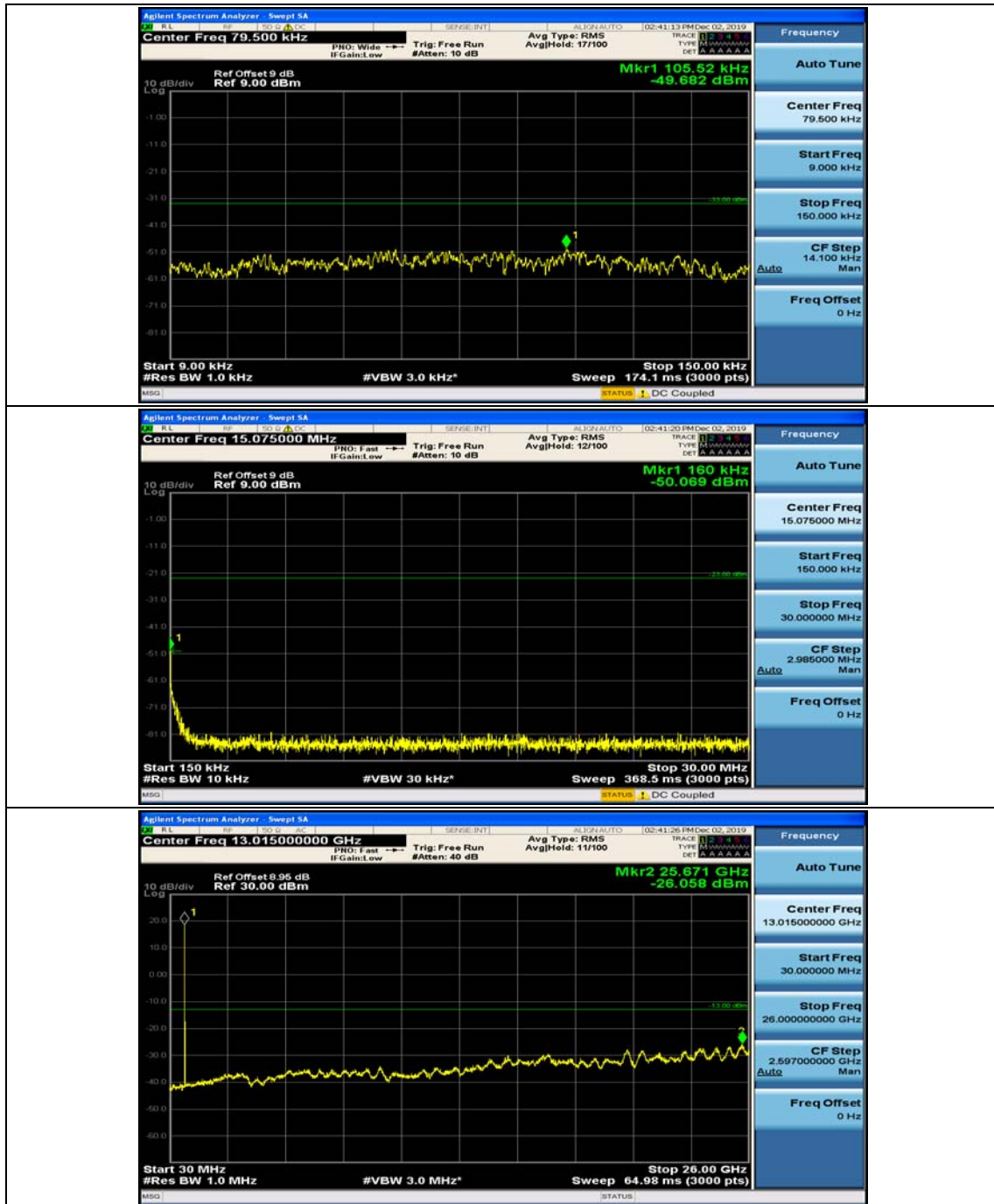
Appendix E: Conducted Spurious Emission

Test Graphs

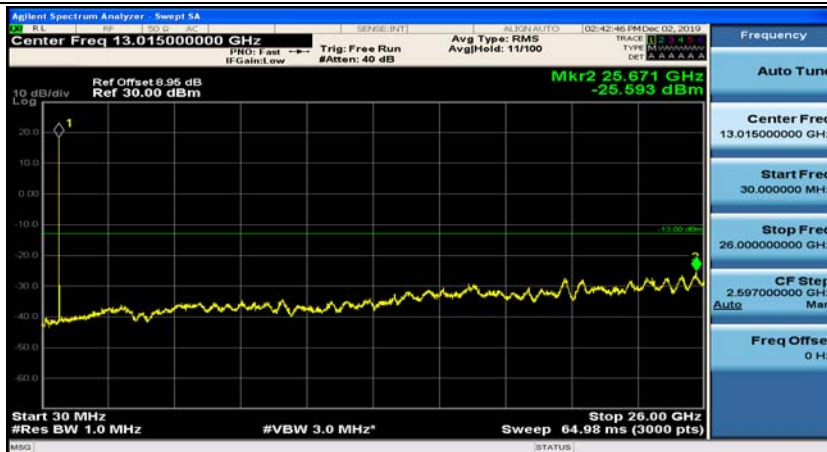
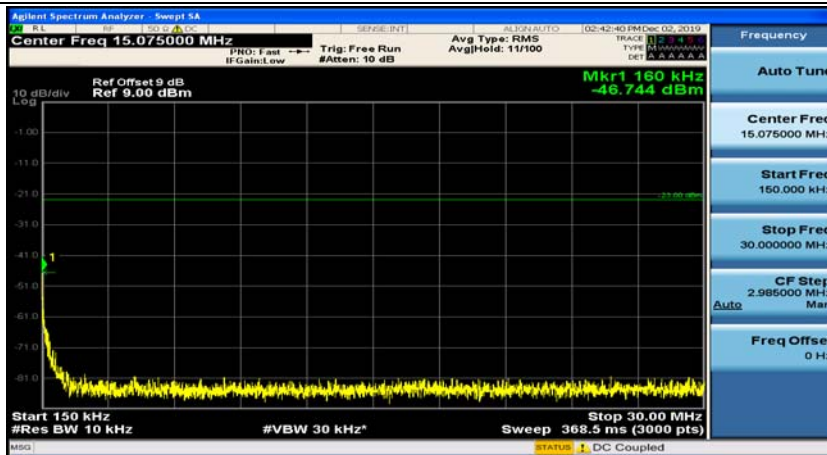
Channel Bandwidth: 5 MHz



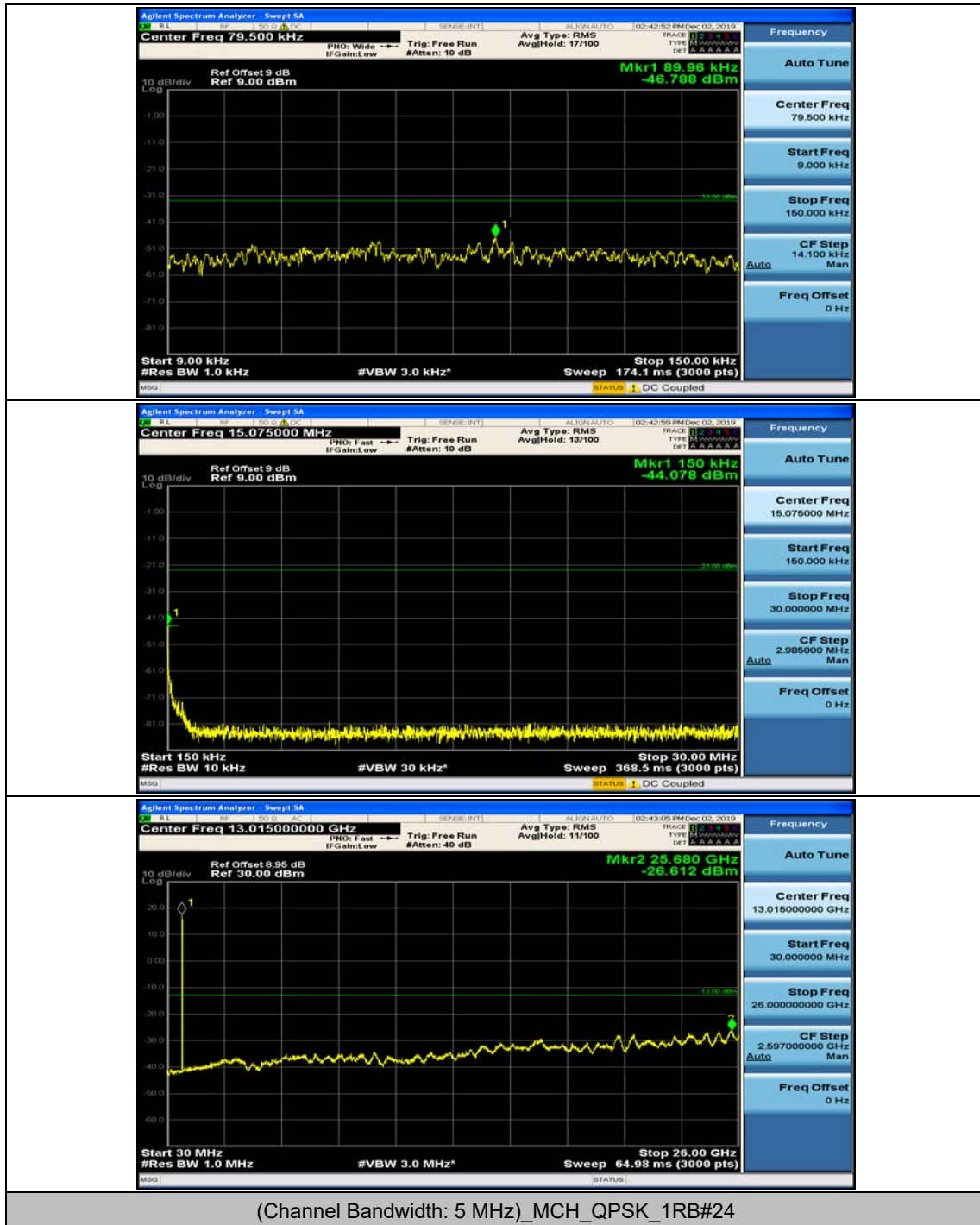


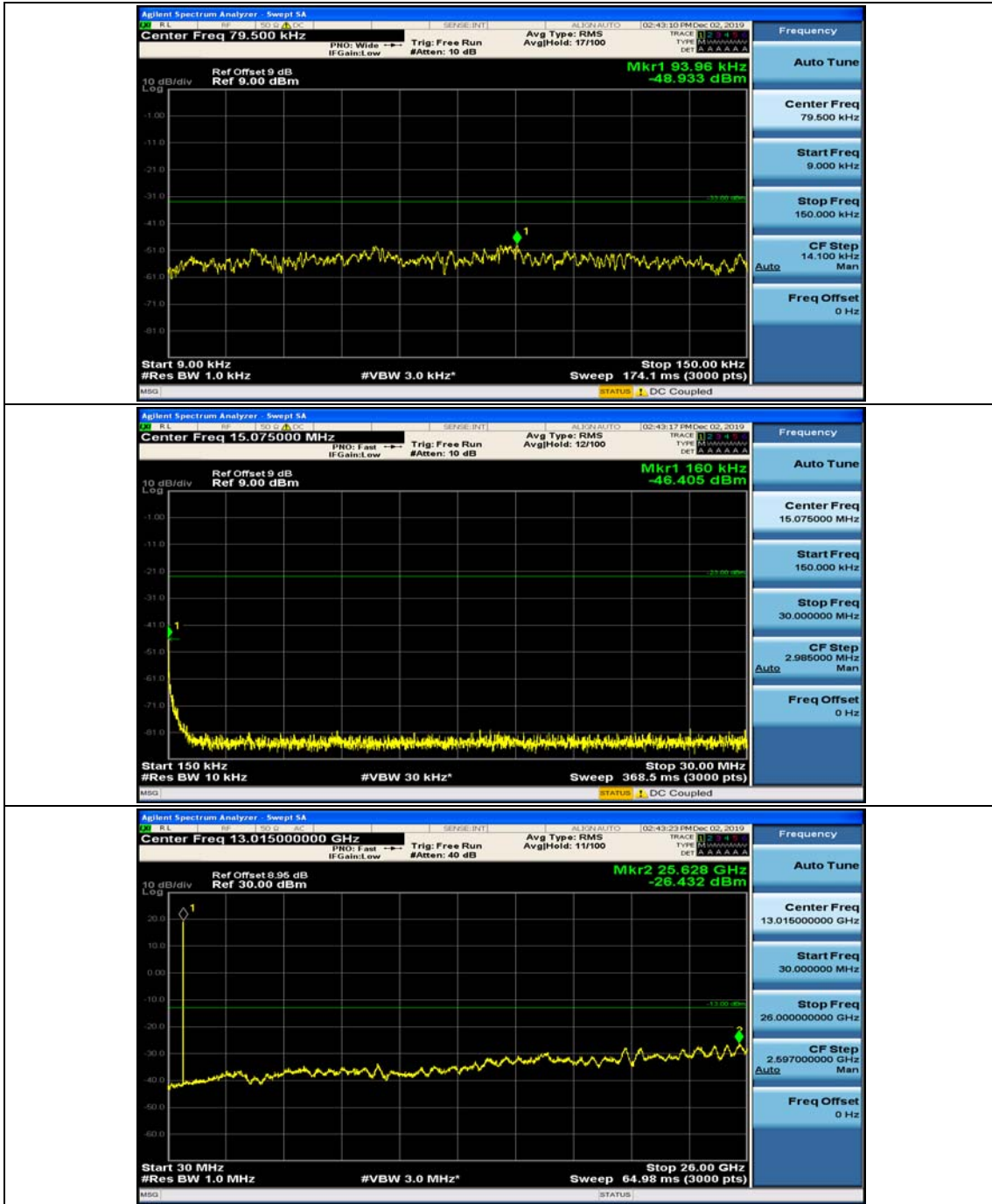


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#0

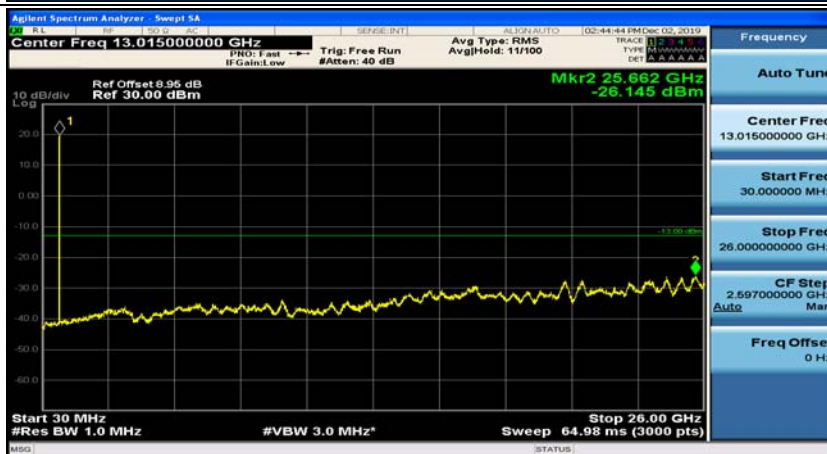
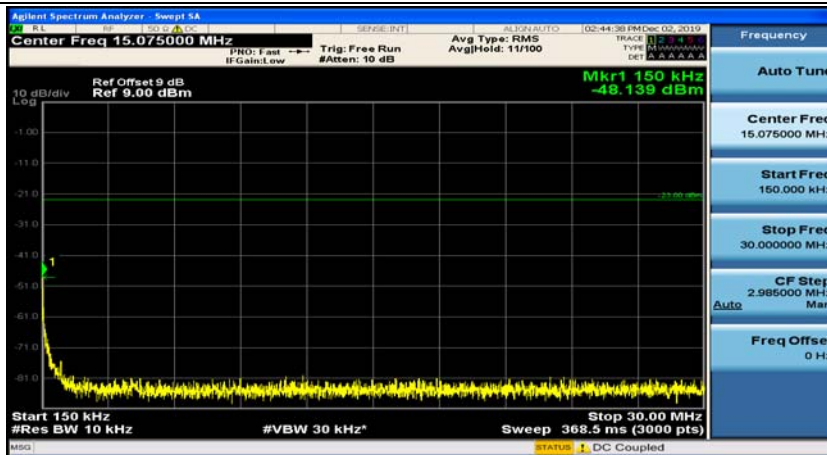


(Channel Bandwidth: 5 MHz)_MCH_QPSK_1RB#12

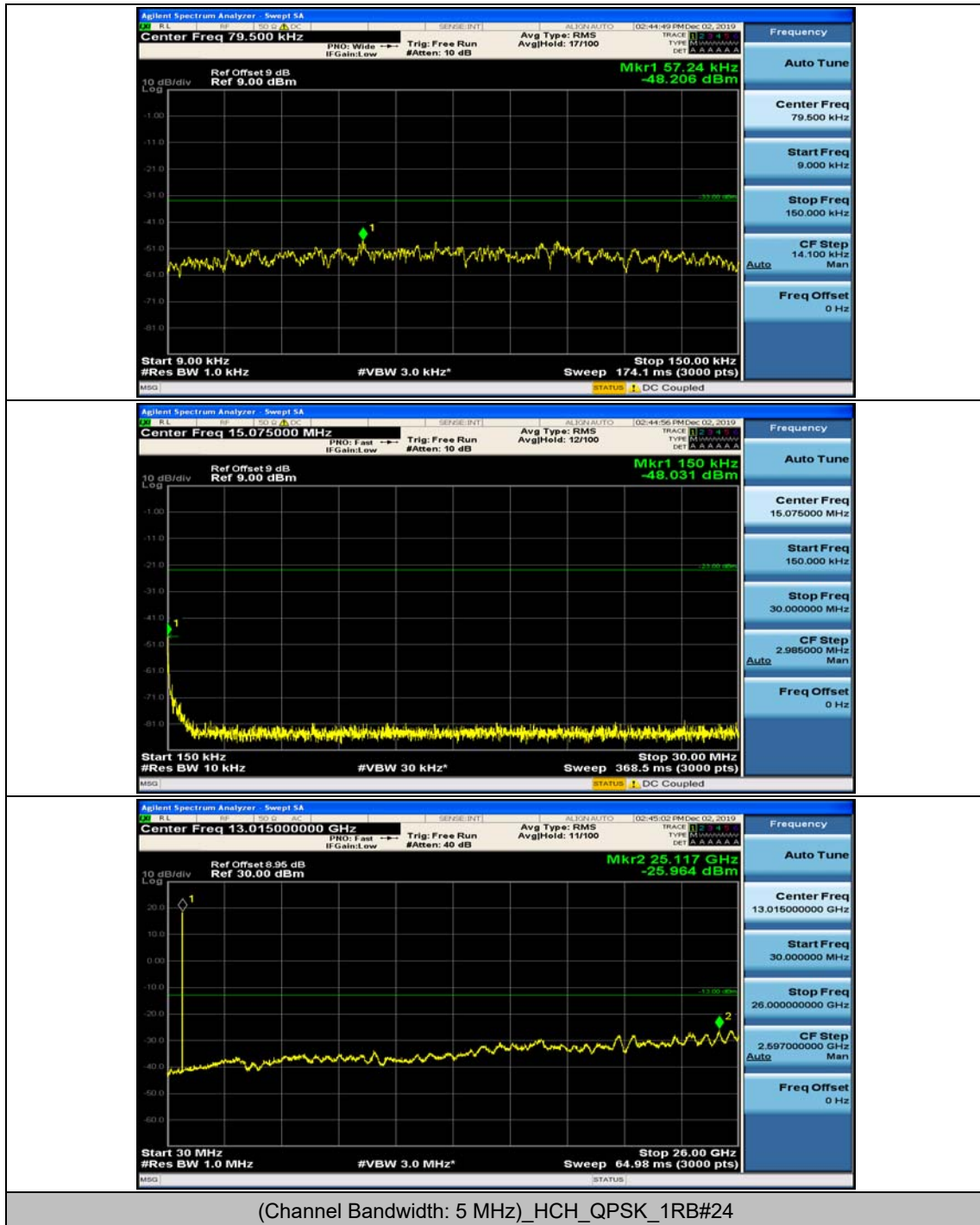


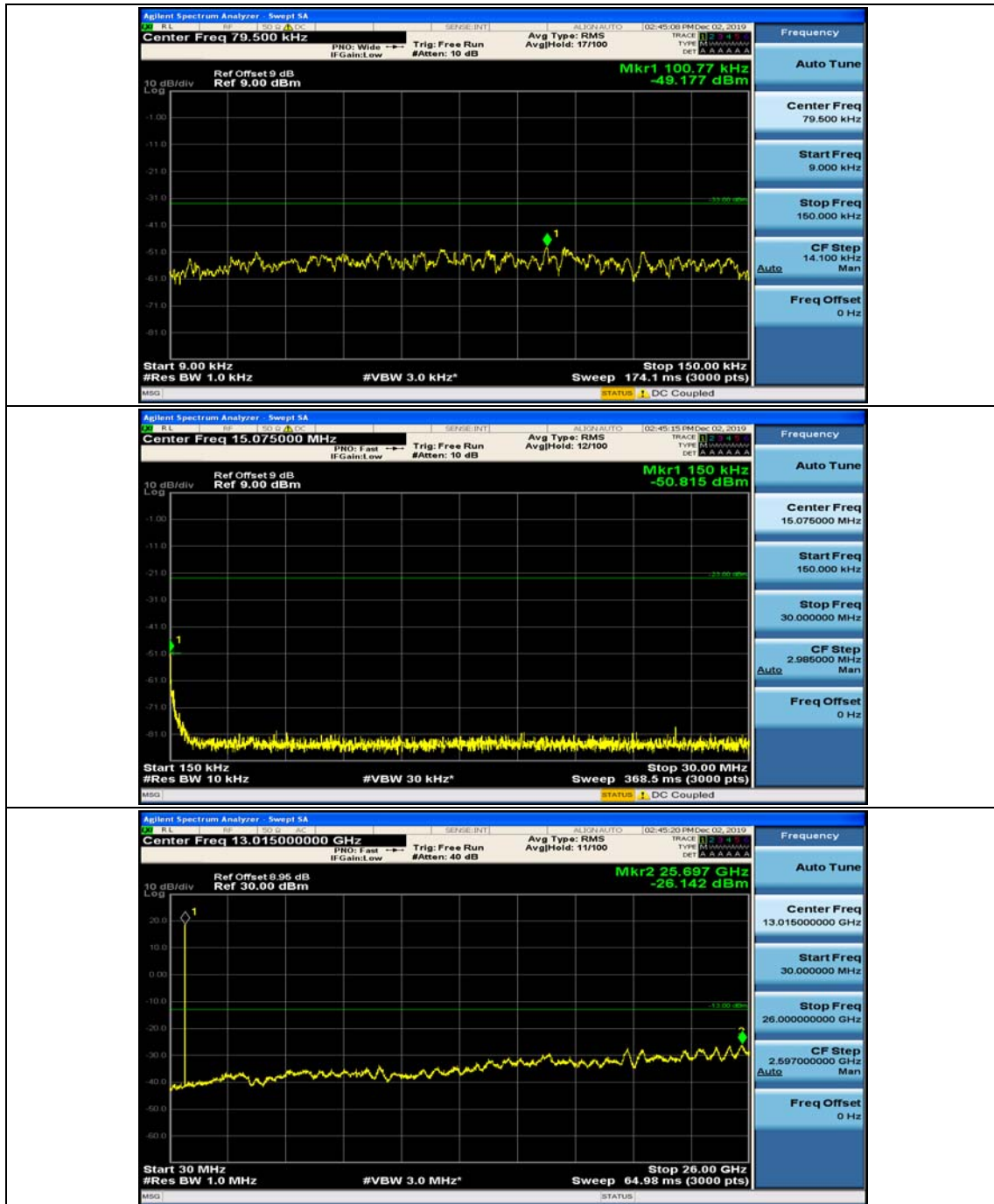


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#0

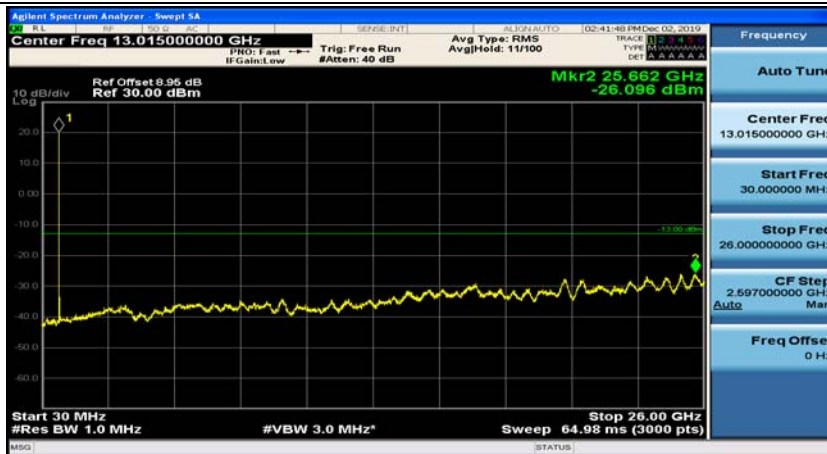
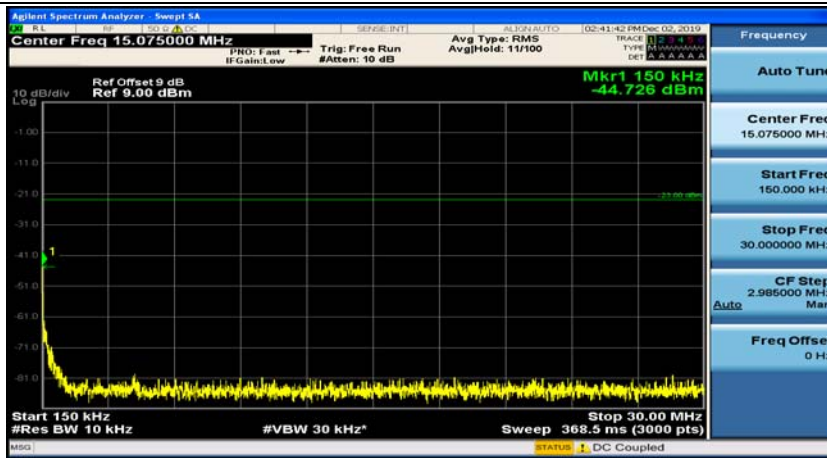
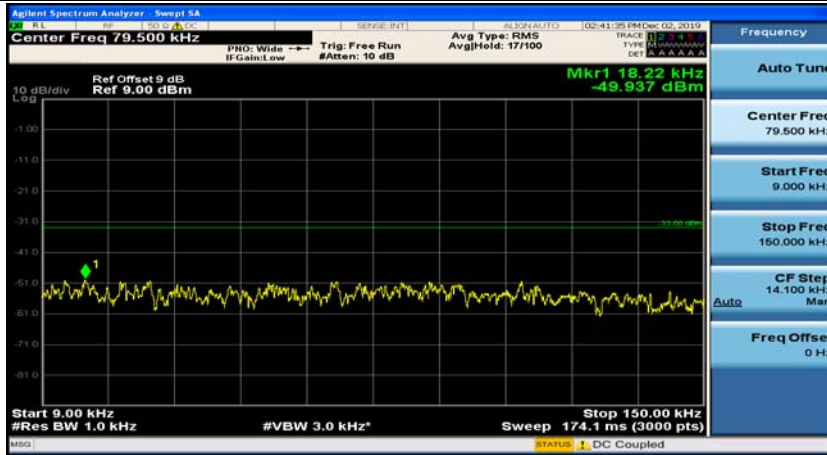


(Channel Bandwidth: 5 MHz)_HCH_QPSK_1RB#12

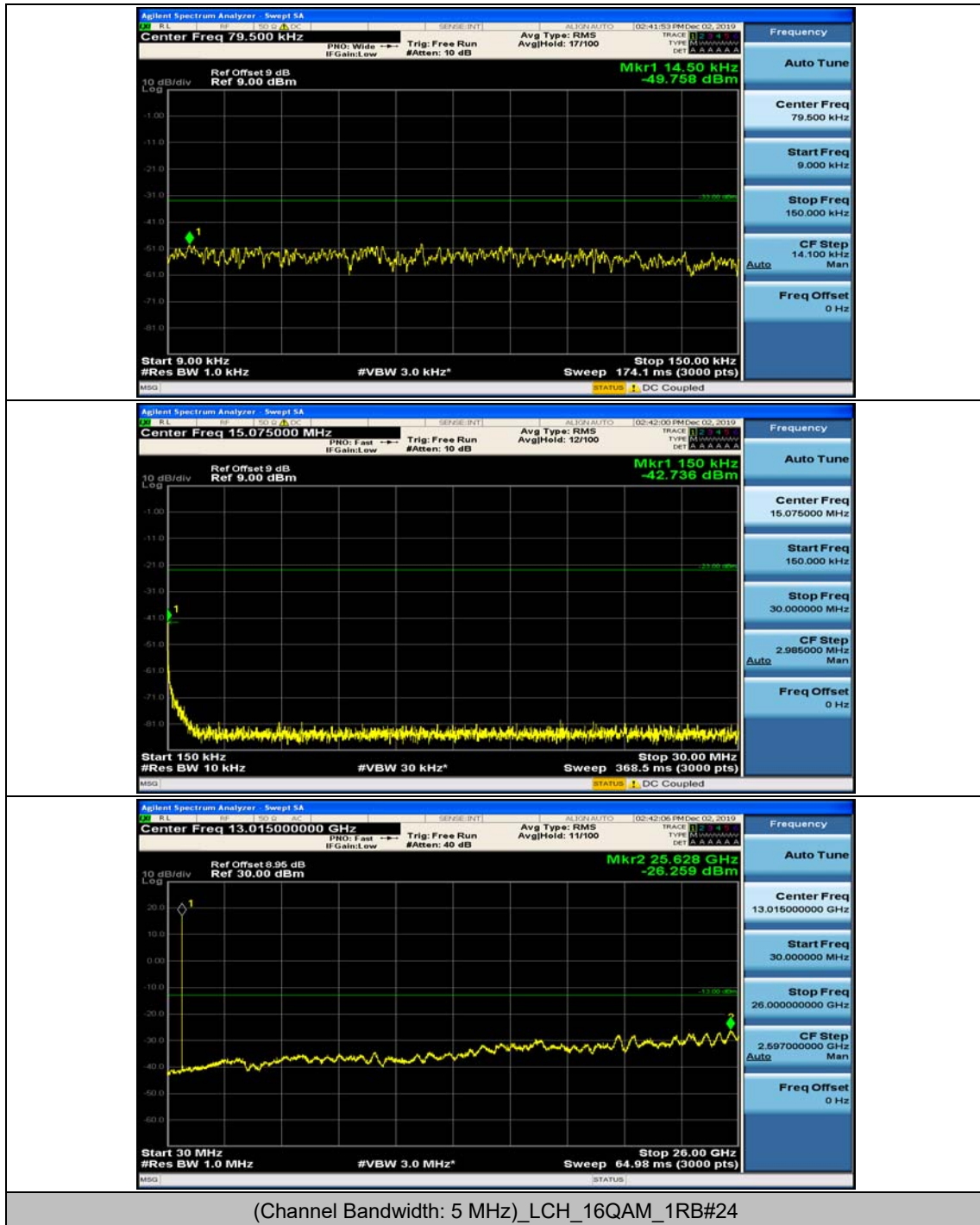


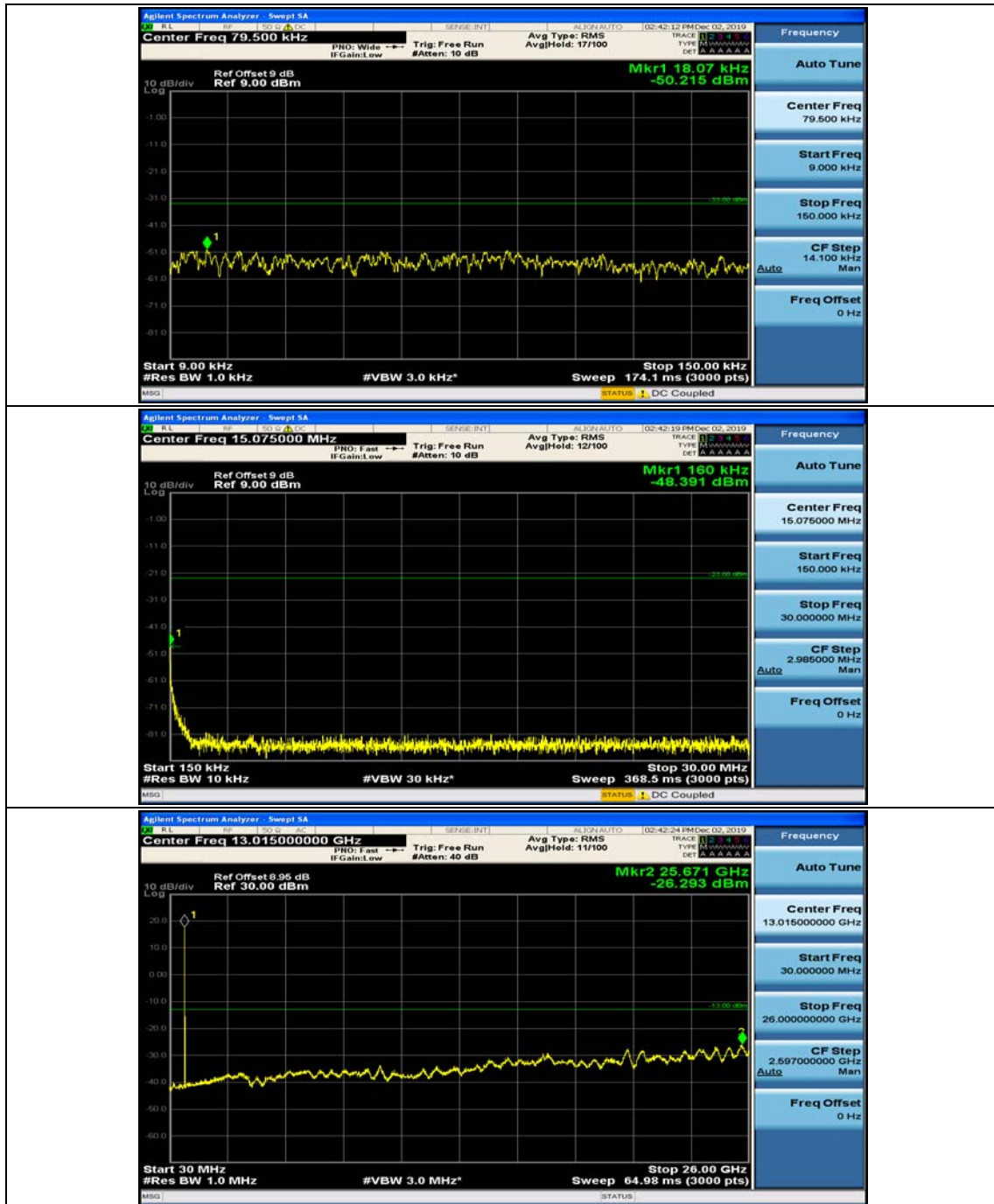


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#0

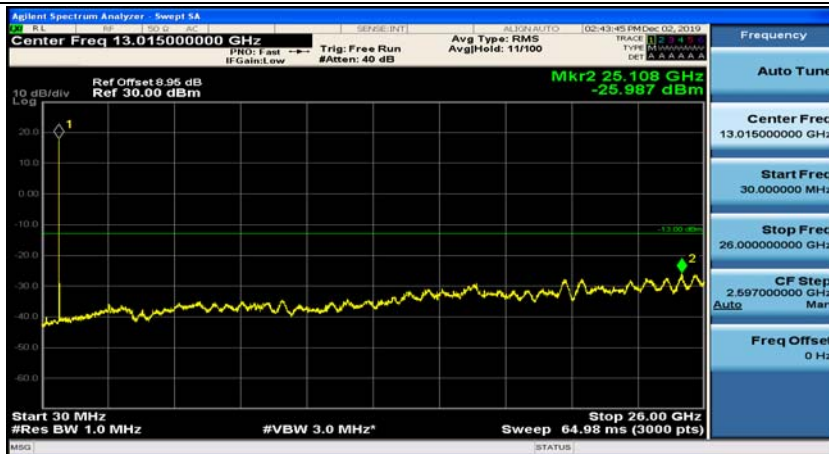
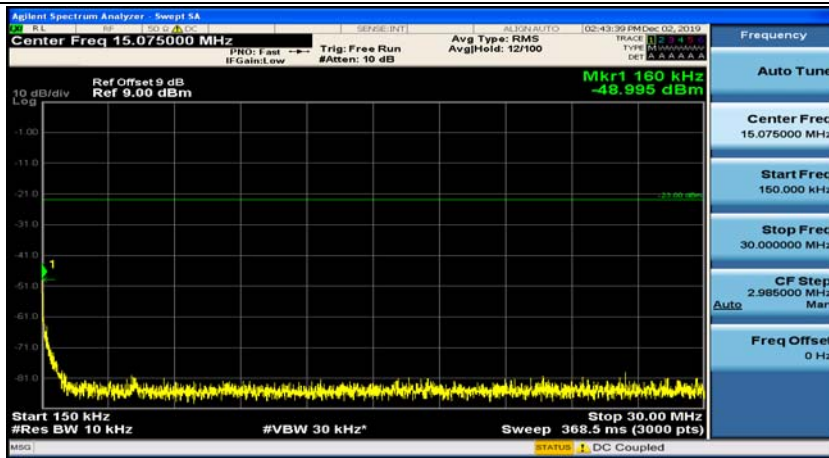


(Channel Bandwidth: 5 MHz)_LCH_16QAM_1RB#12

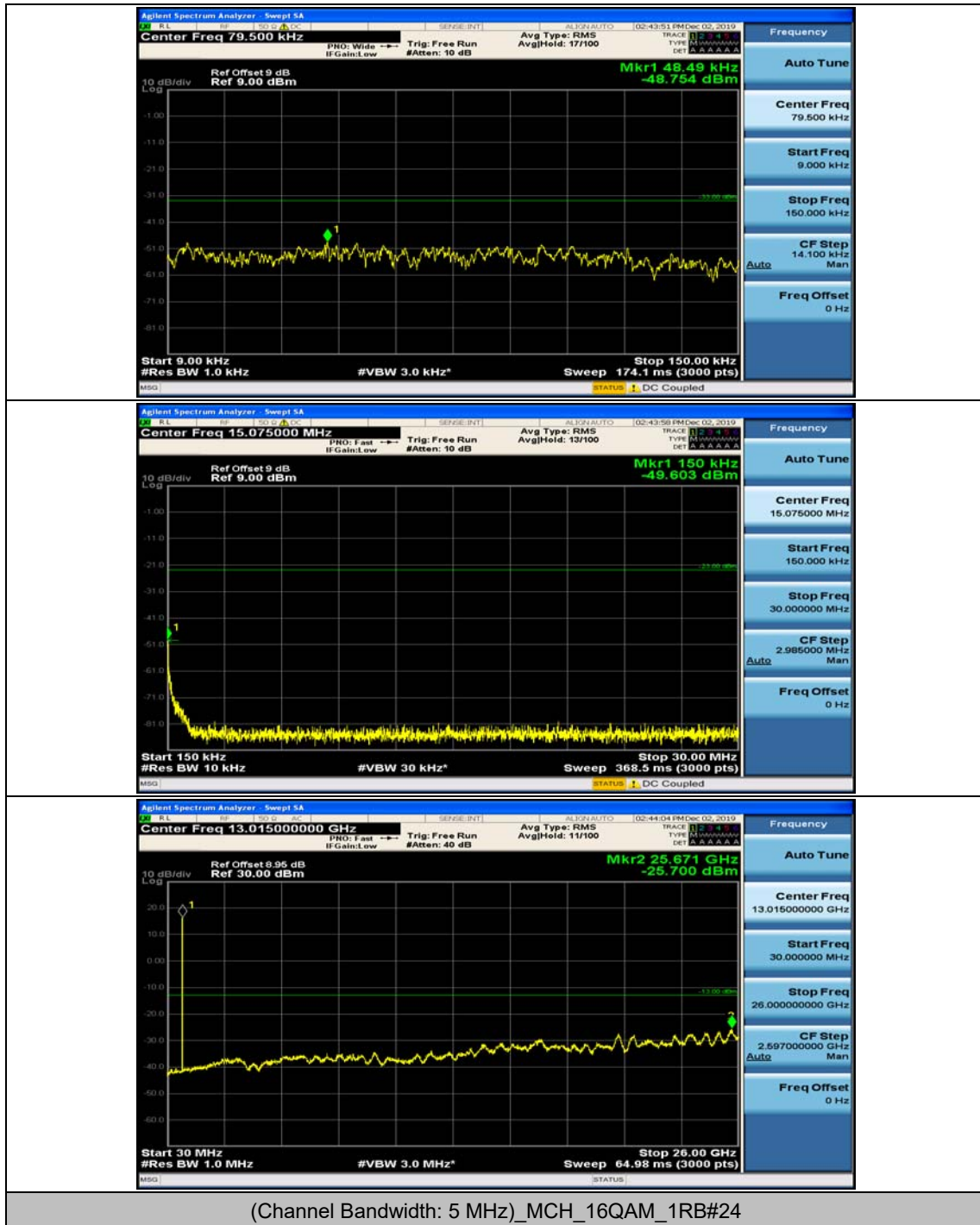


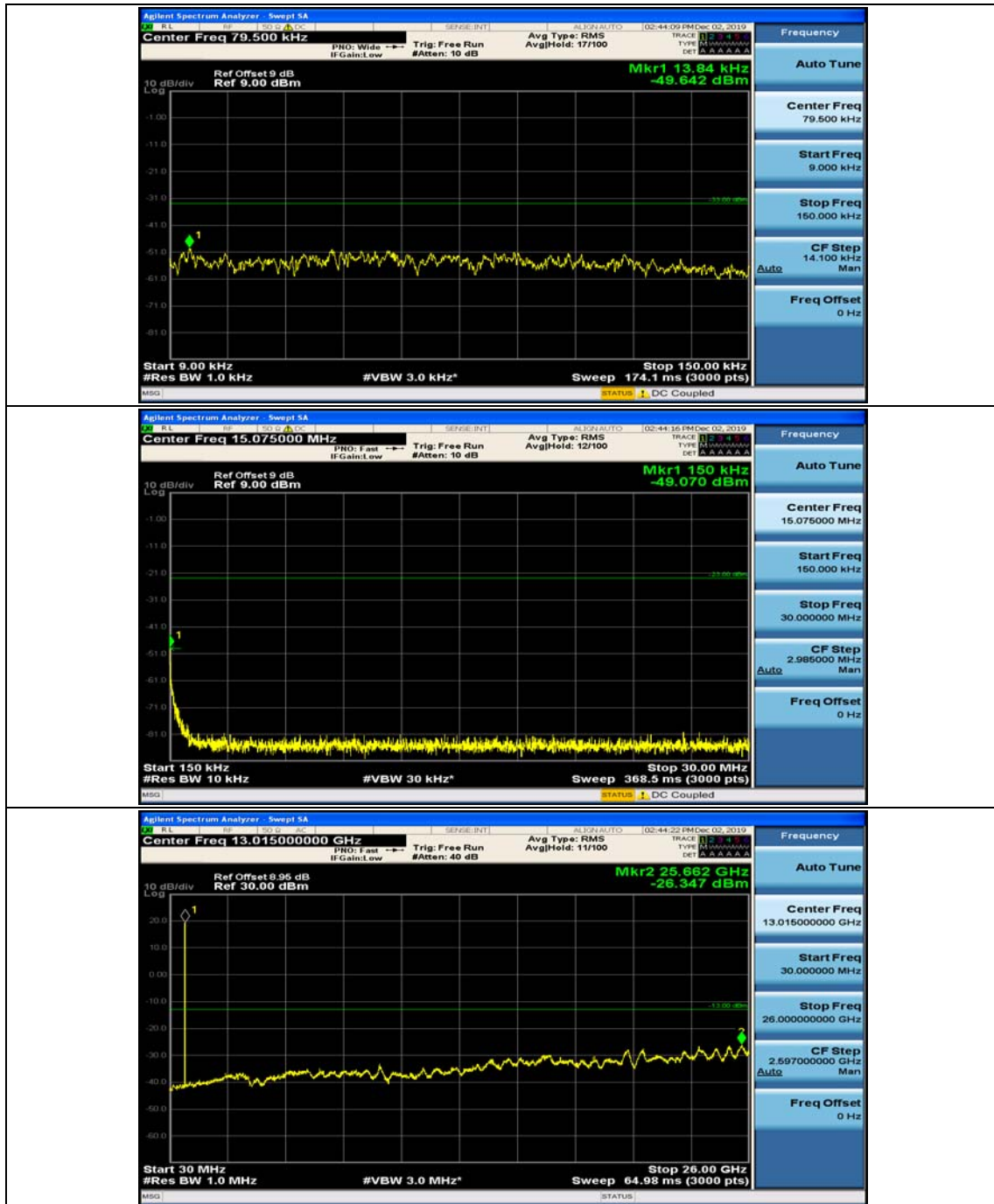


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#0

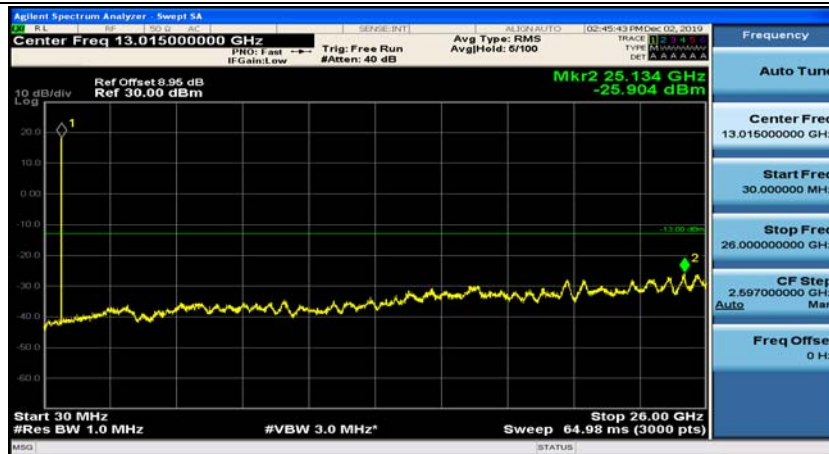
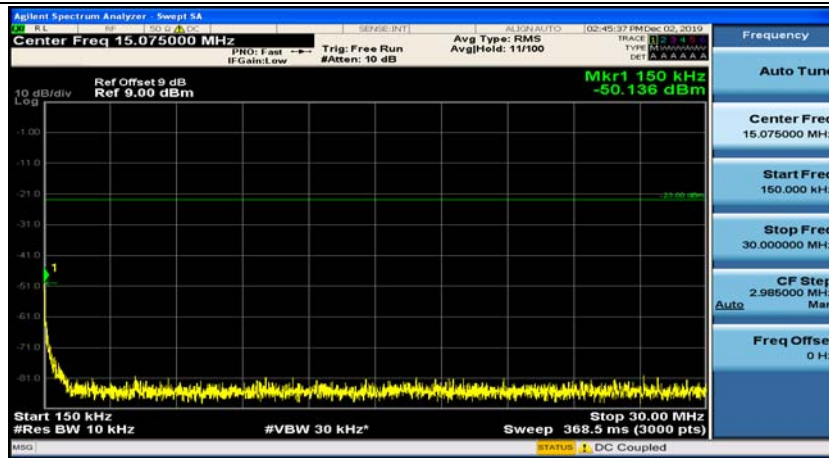


(Channel Bandwidth: 5 MHz)_MCH_16QAM_1RB#12

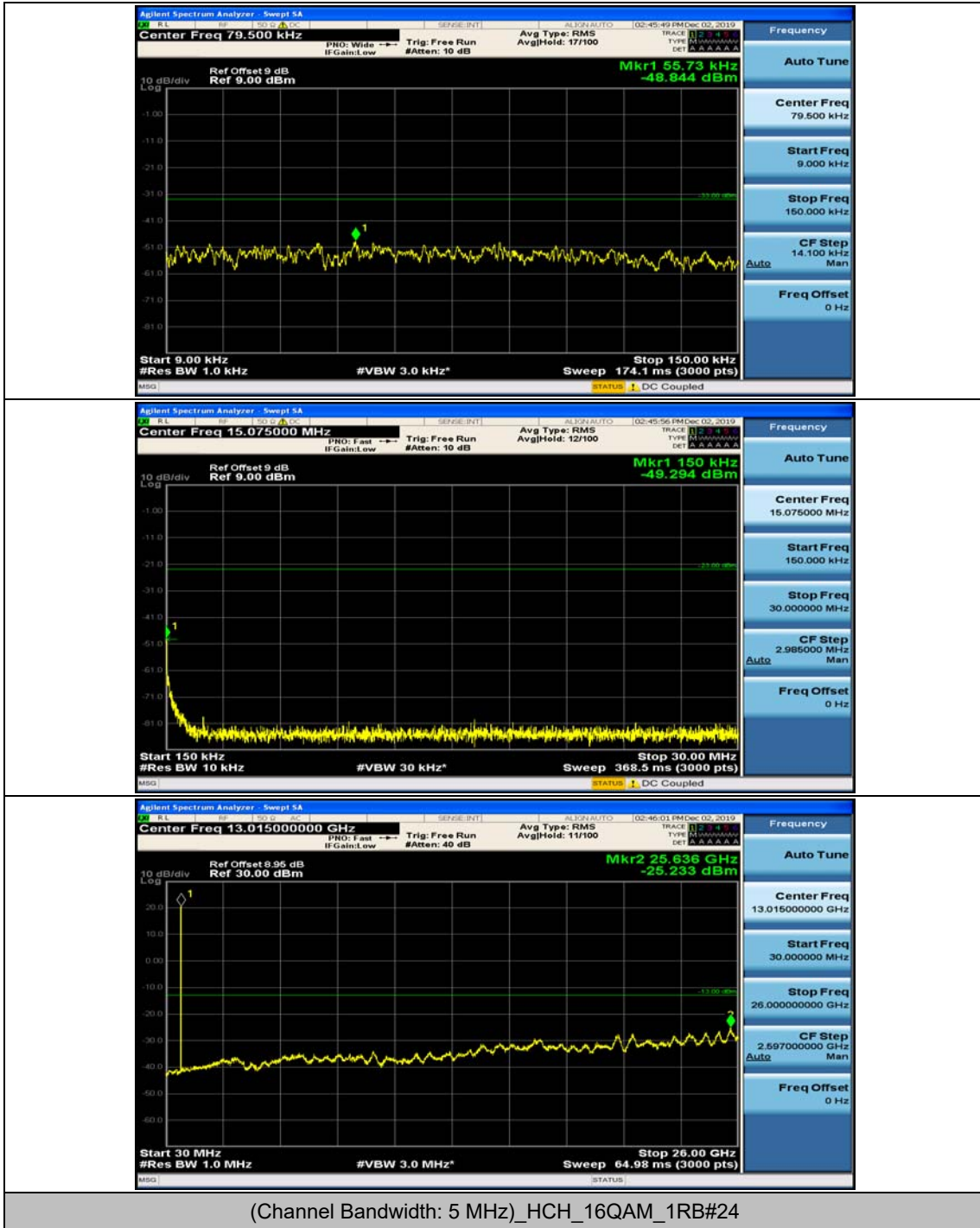


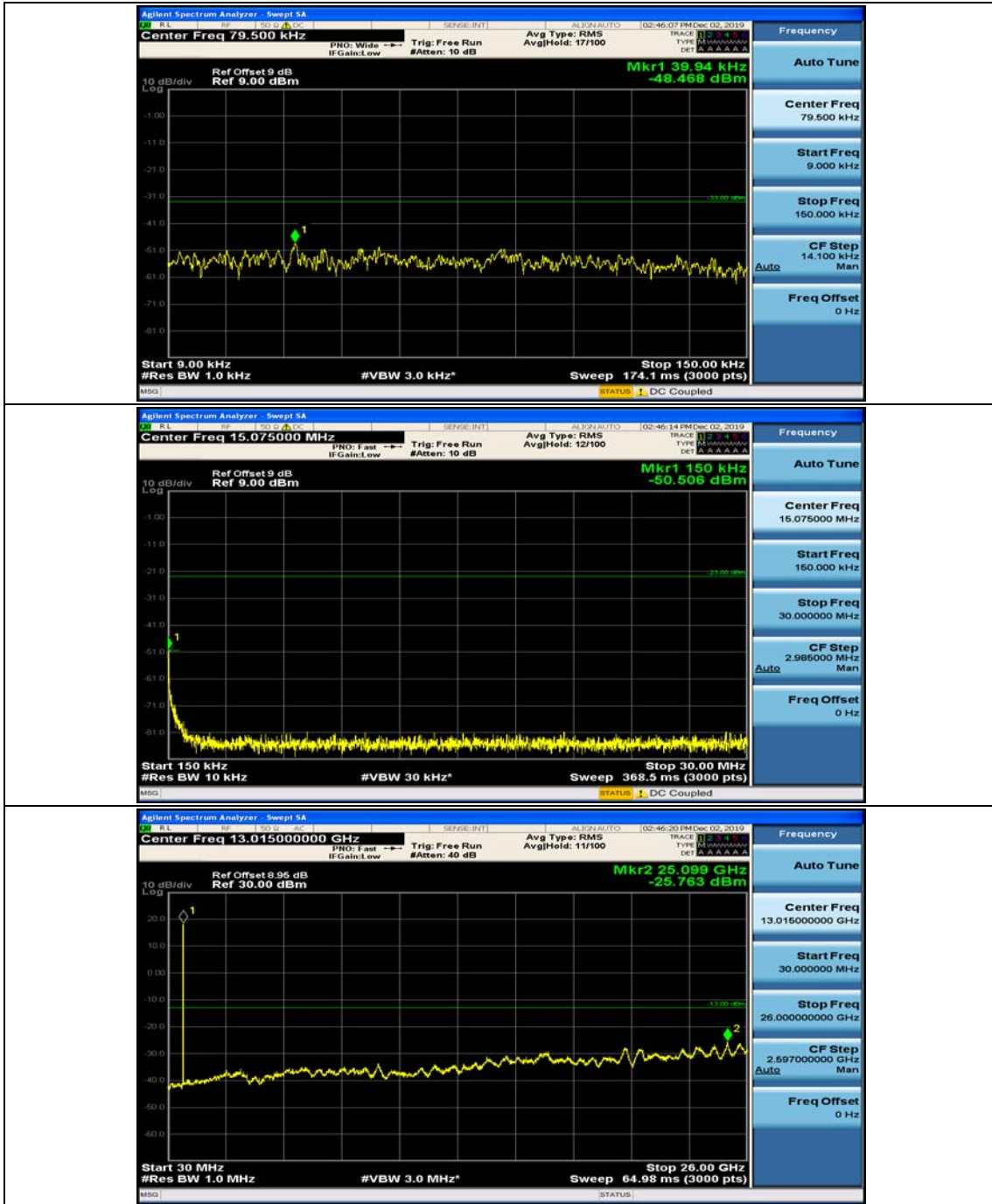


(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#0

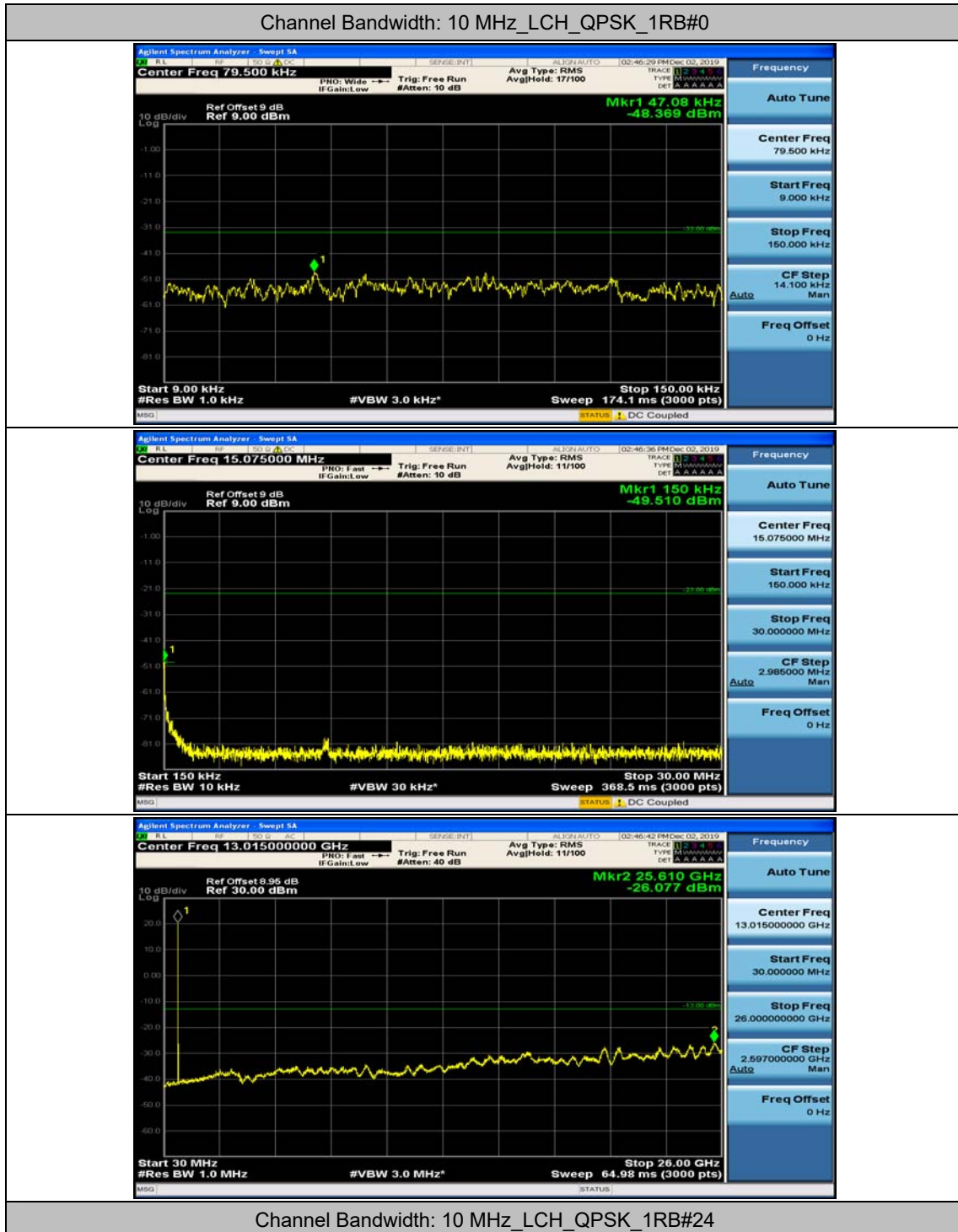


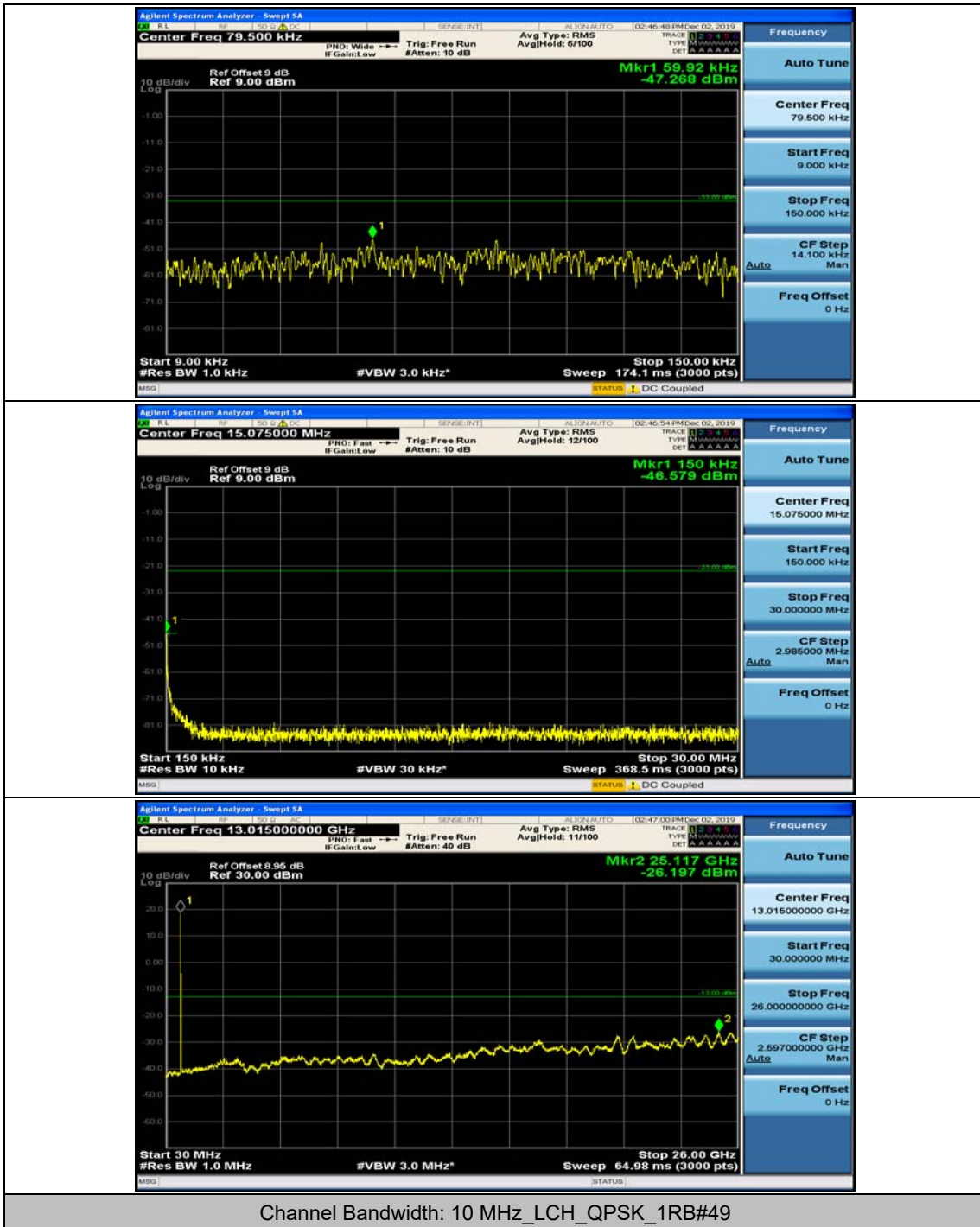
(Channel Bandwidth: 5 MHz)_HCH_16QAM_1RB#12

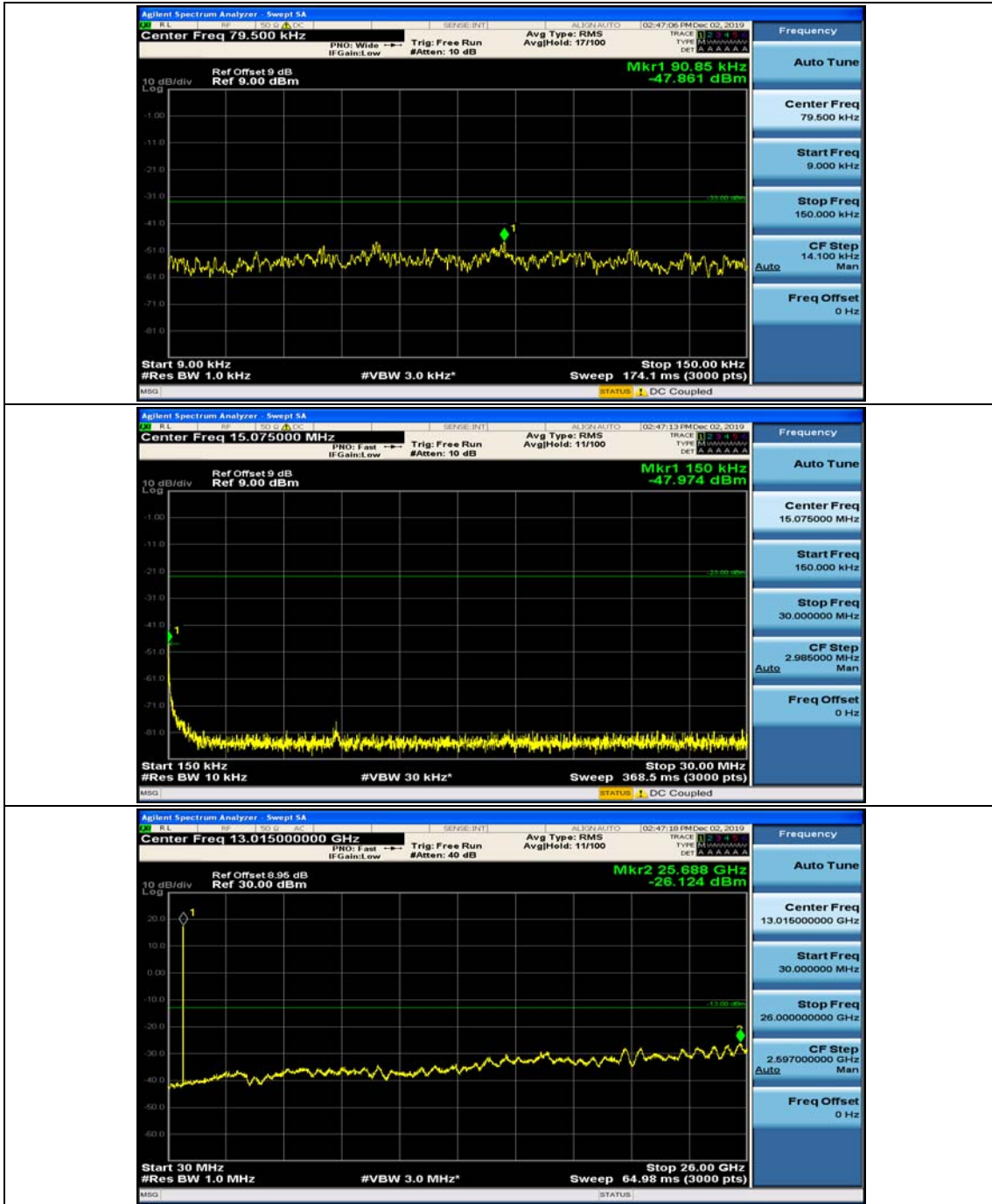




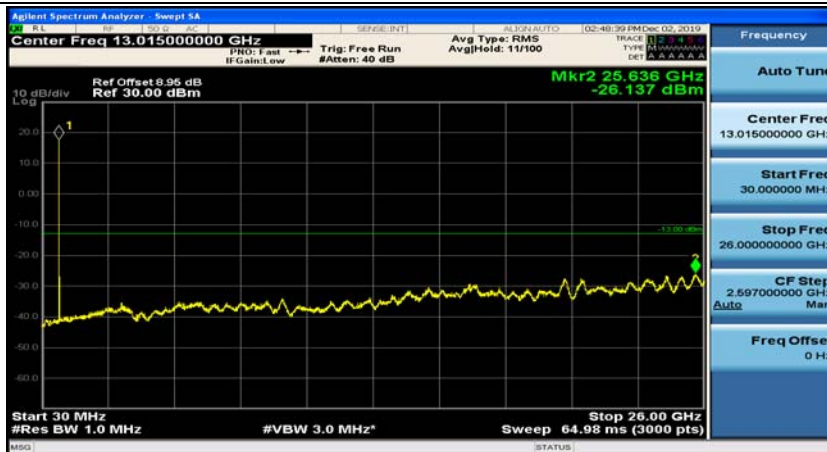
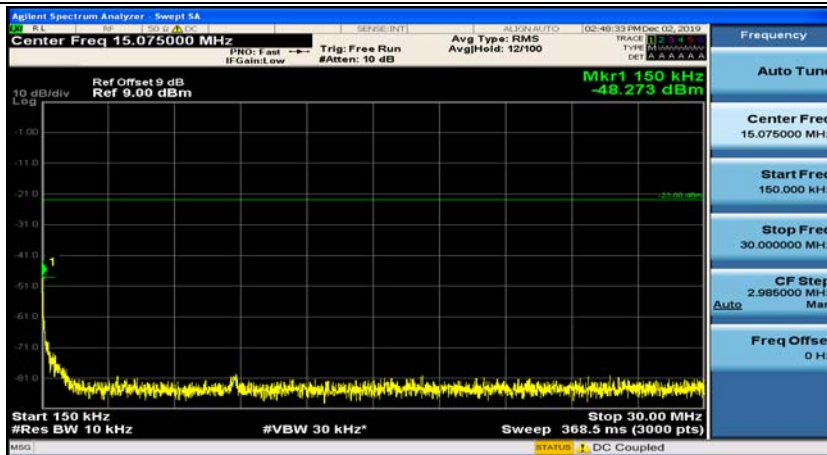
Channel Bandwidth: 10 MHz



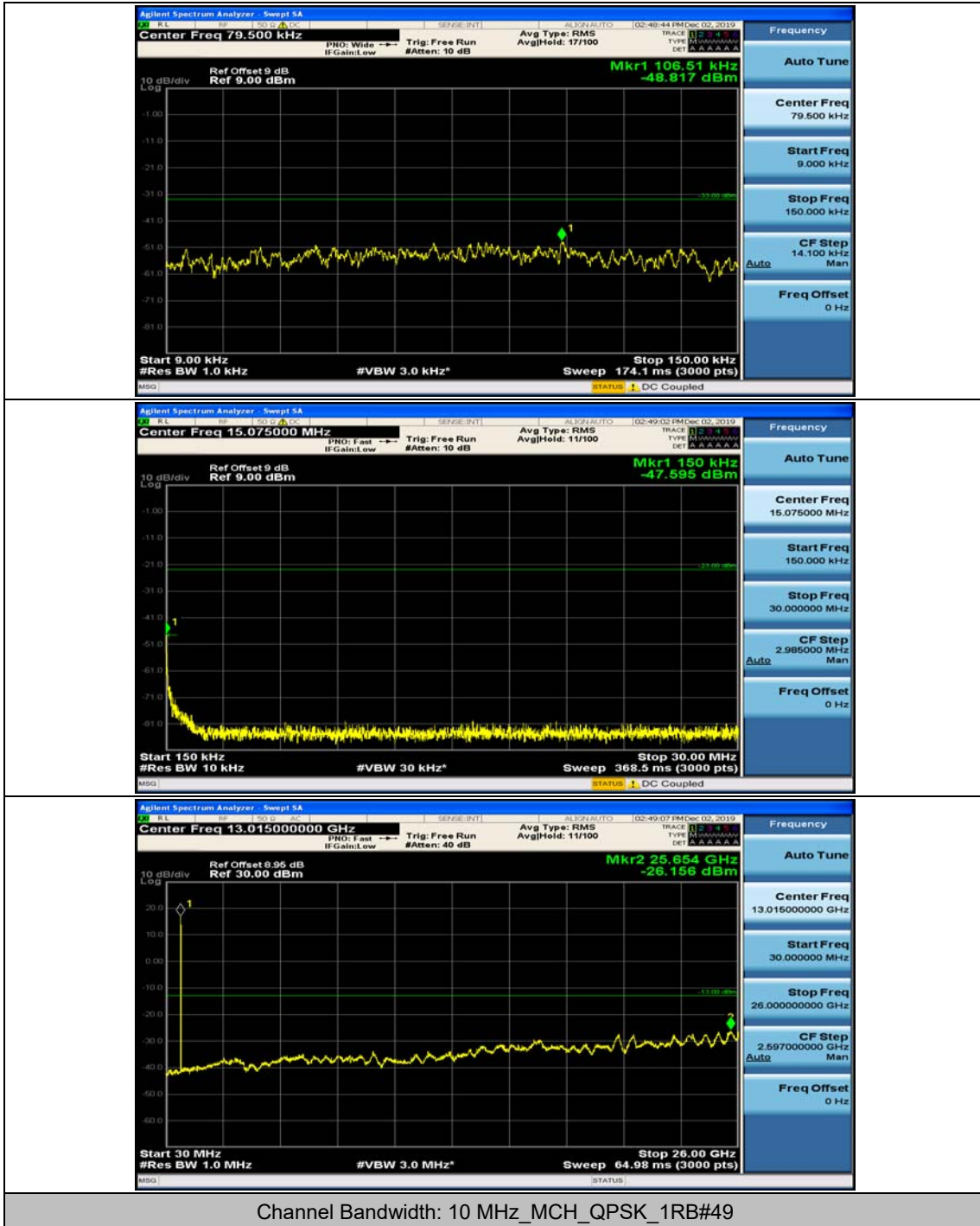


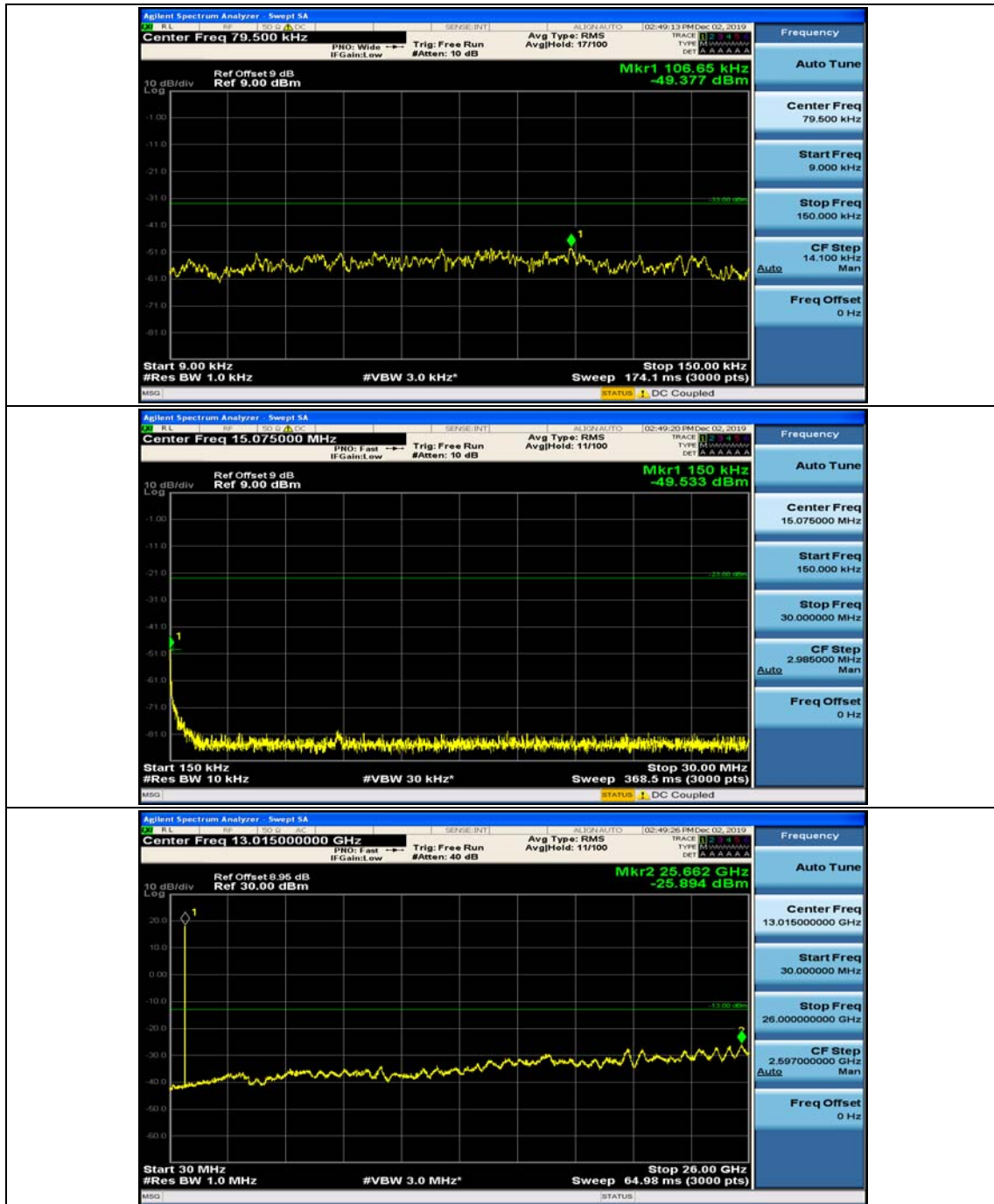


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#0

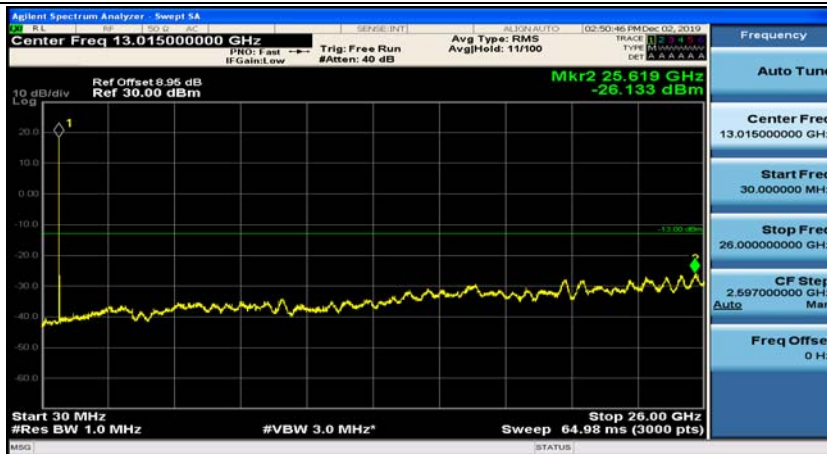
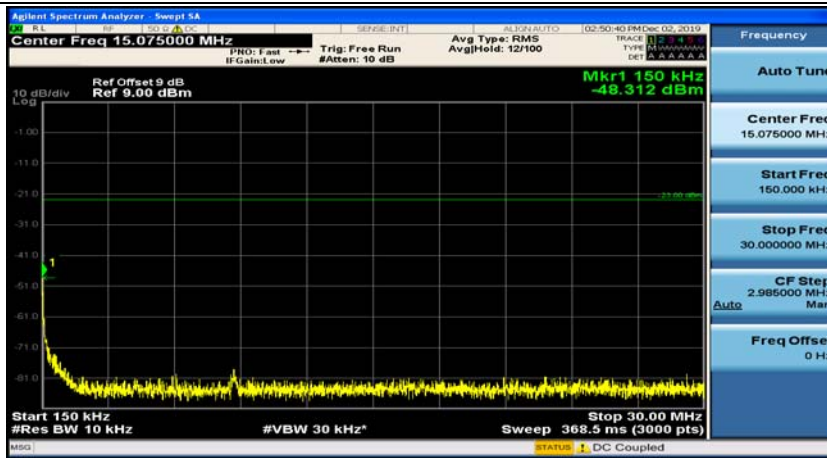


Channel Bandwidth: 10 MHz_MCH_QPSK_1RB#24

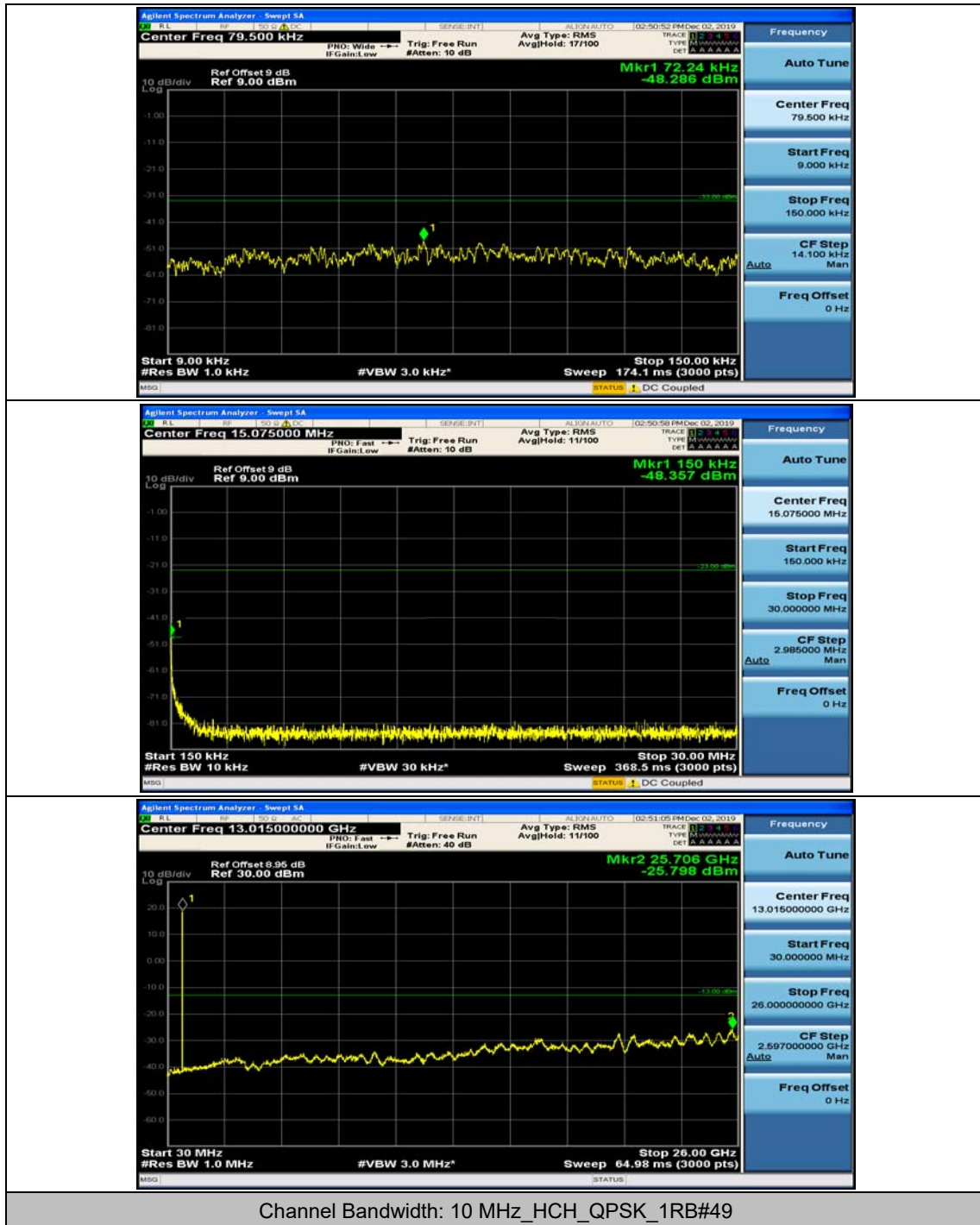


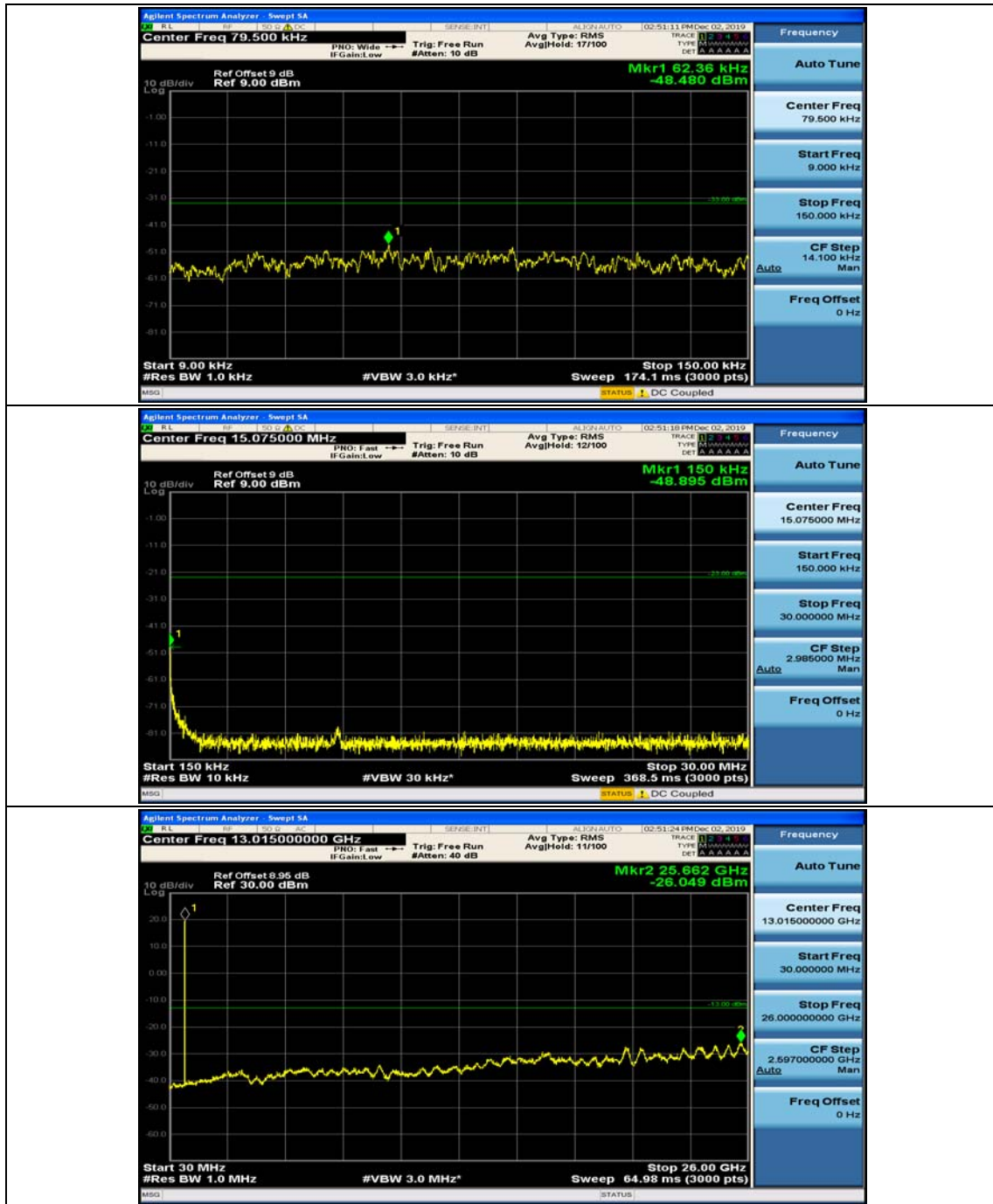


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#0

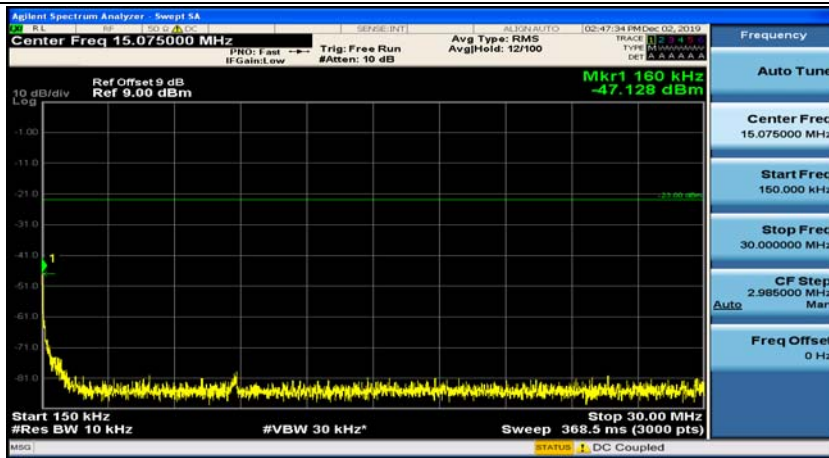


Channel Bandwidth: 10 MHz_HCH_QPSK_1RB#24

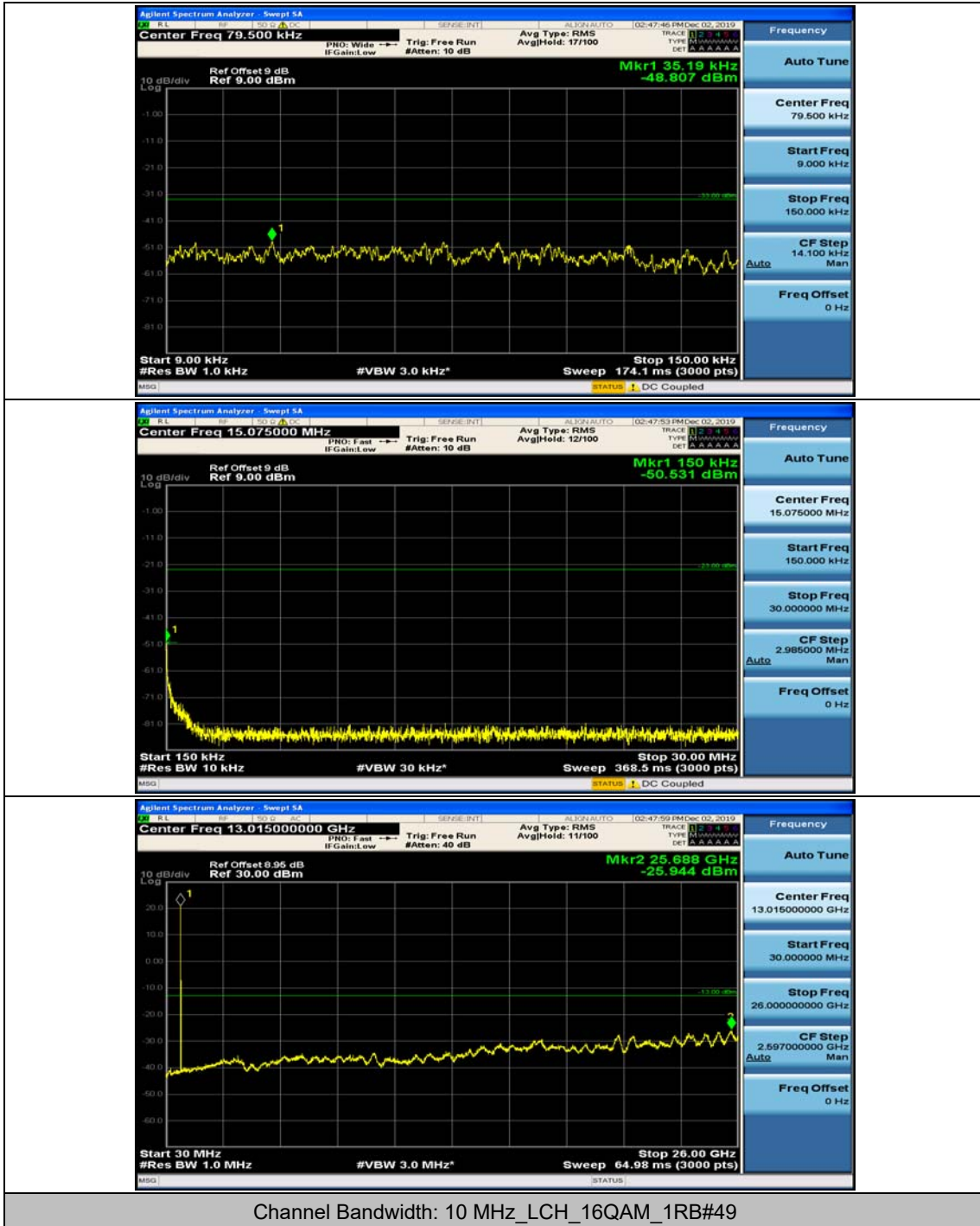


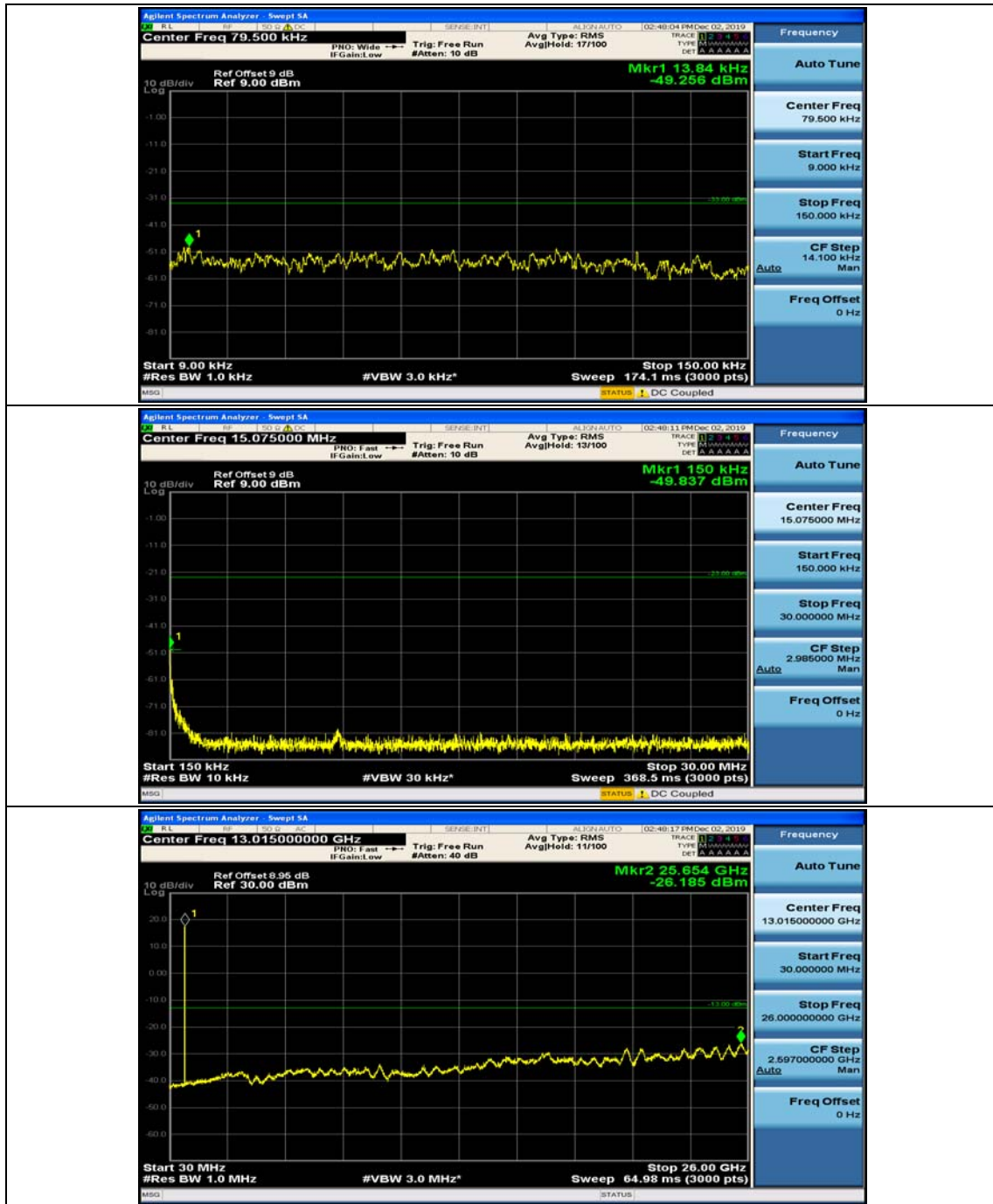


Channel Bandwidth: 10 MHz_LCH_16QAM_1RB#0

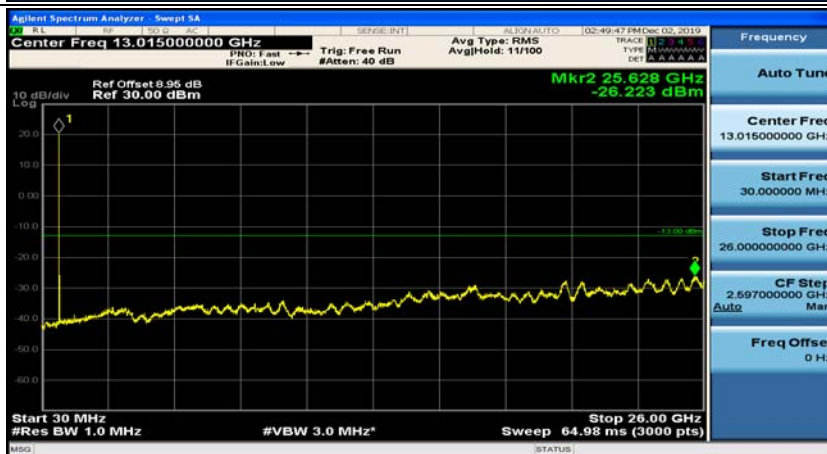
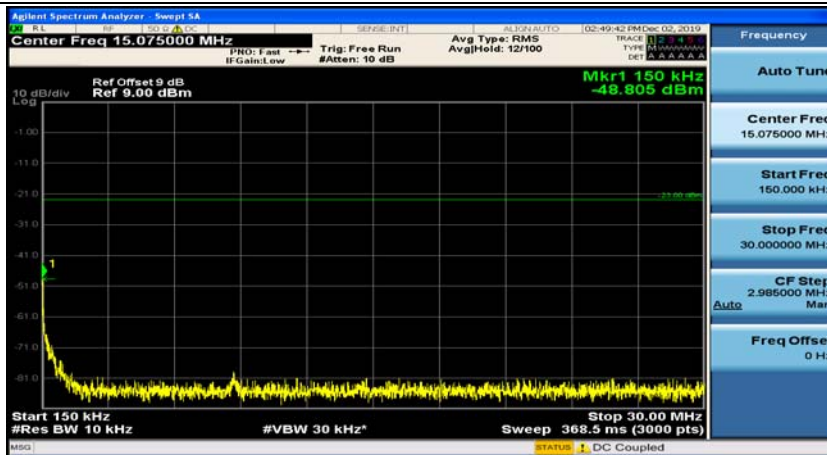


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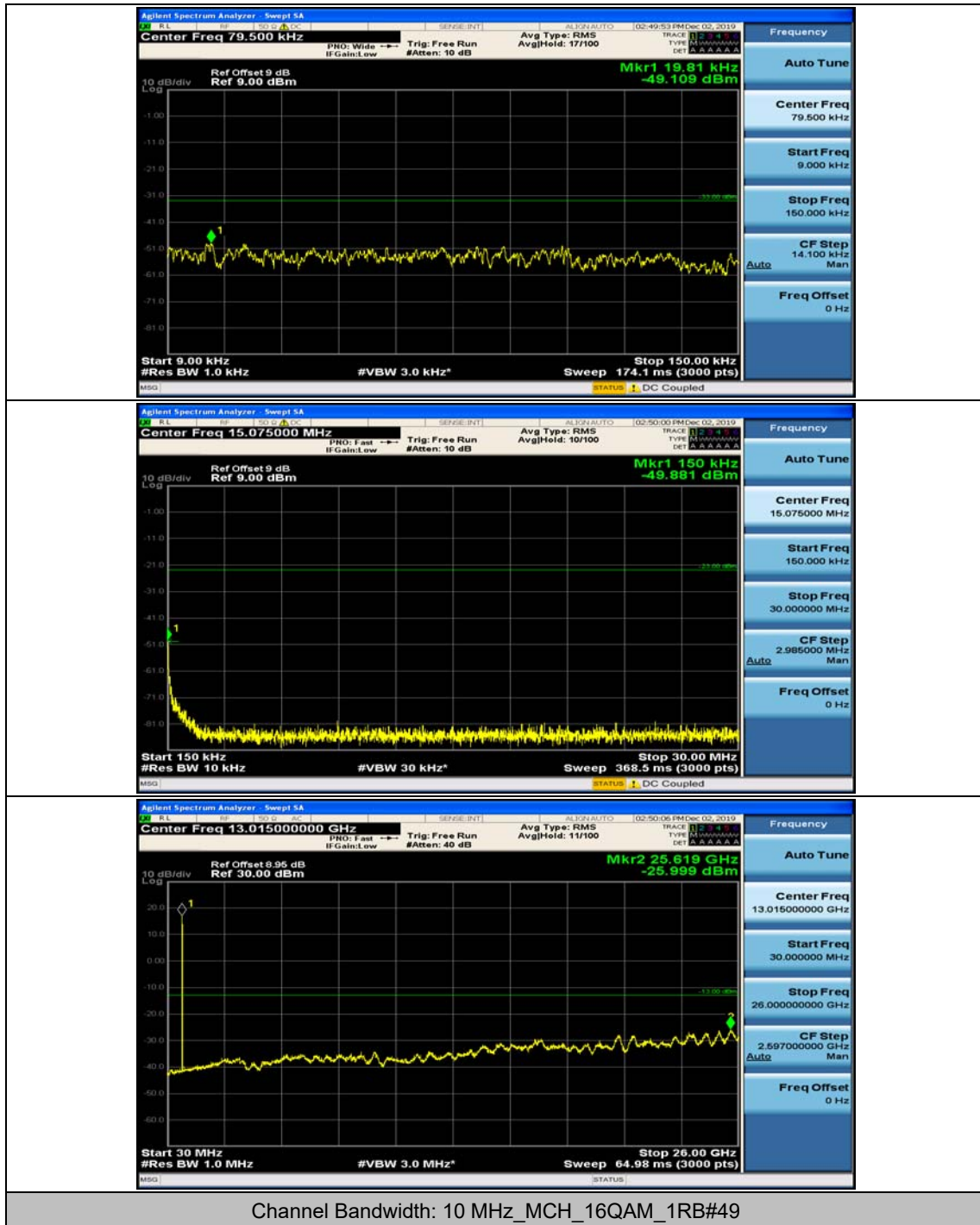


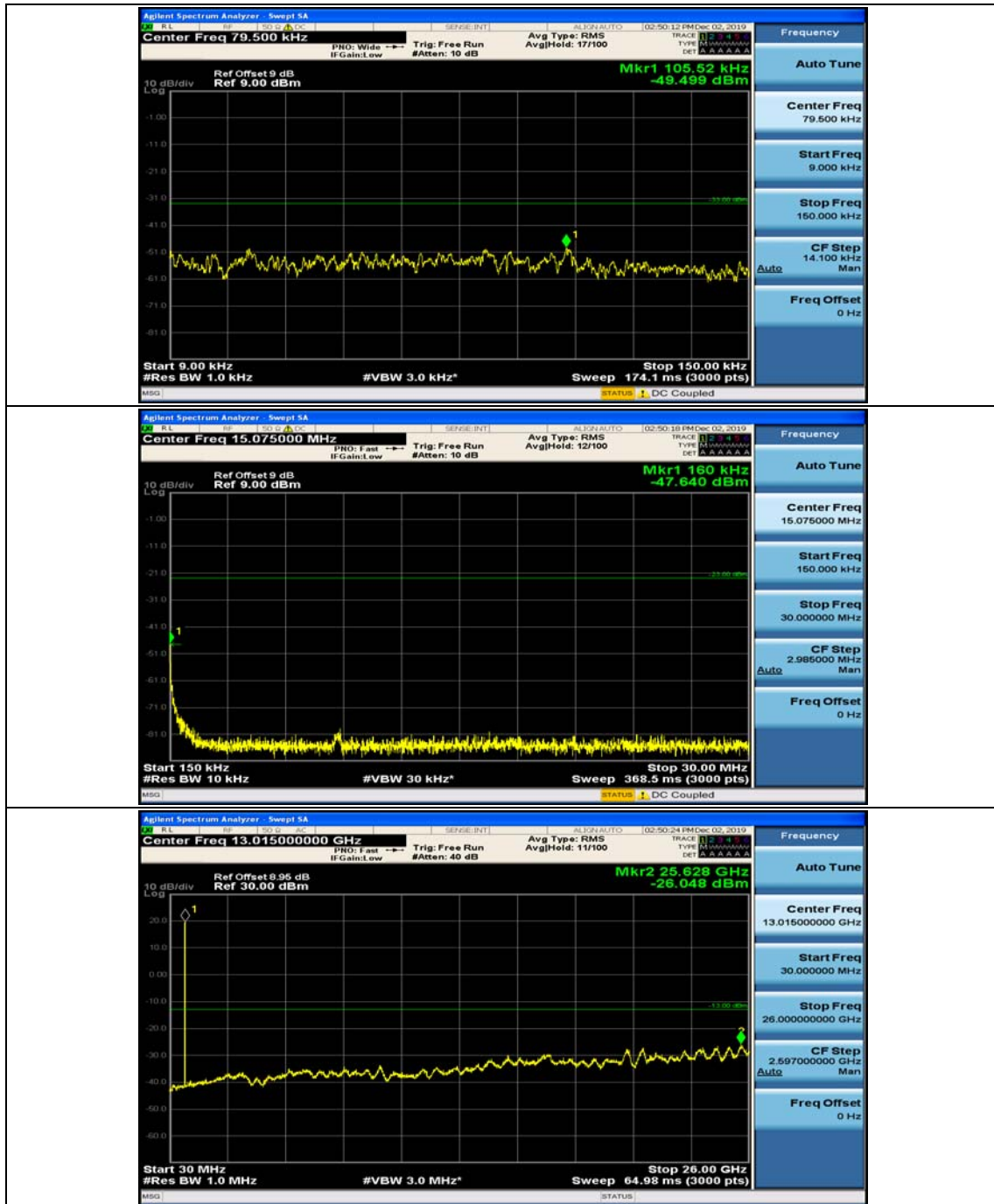


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

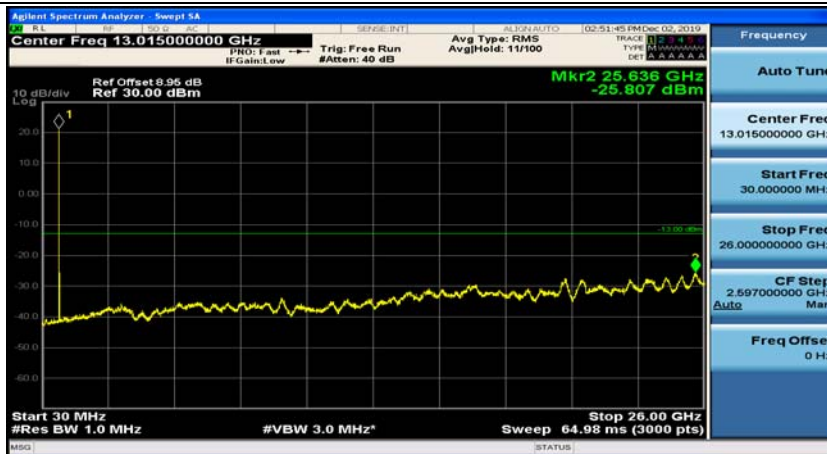
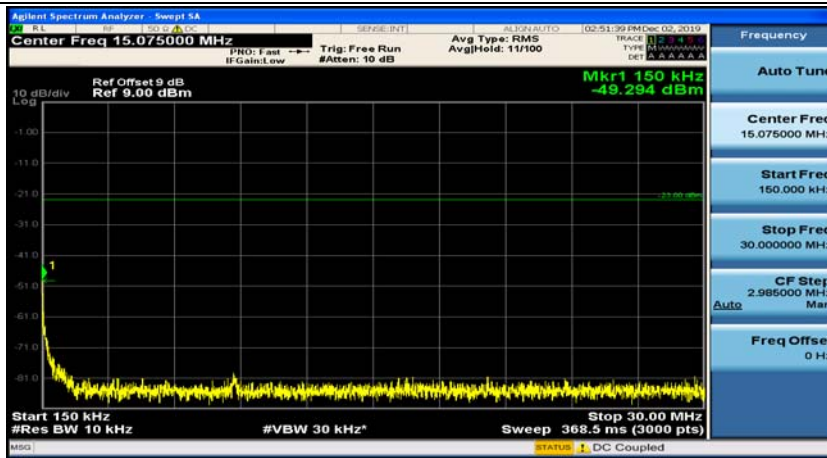


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

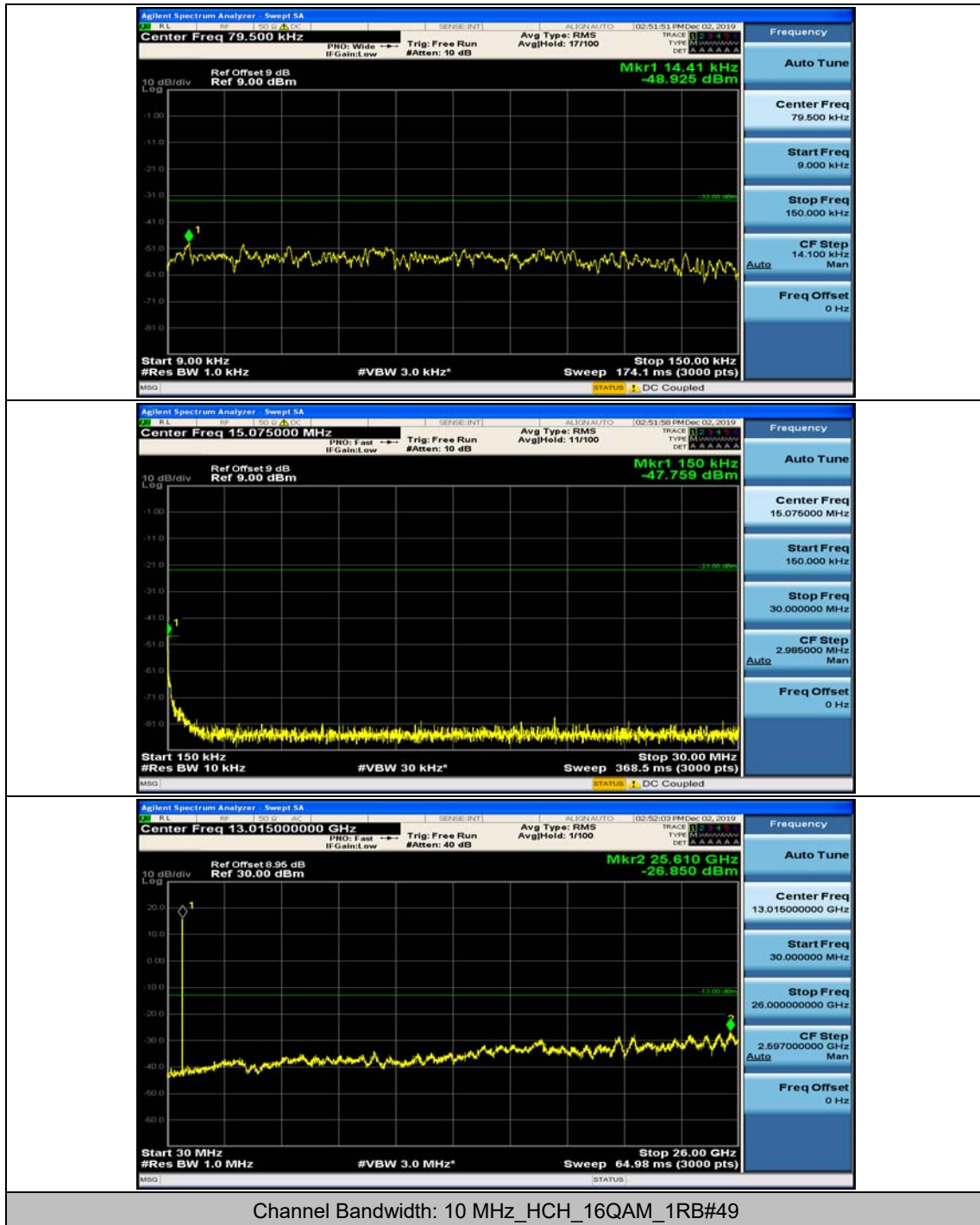


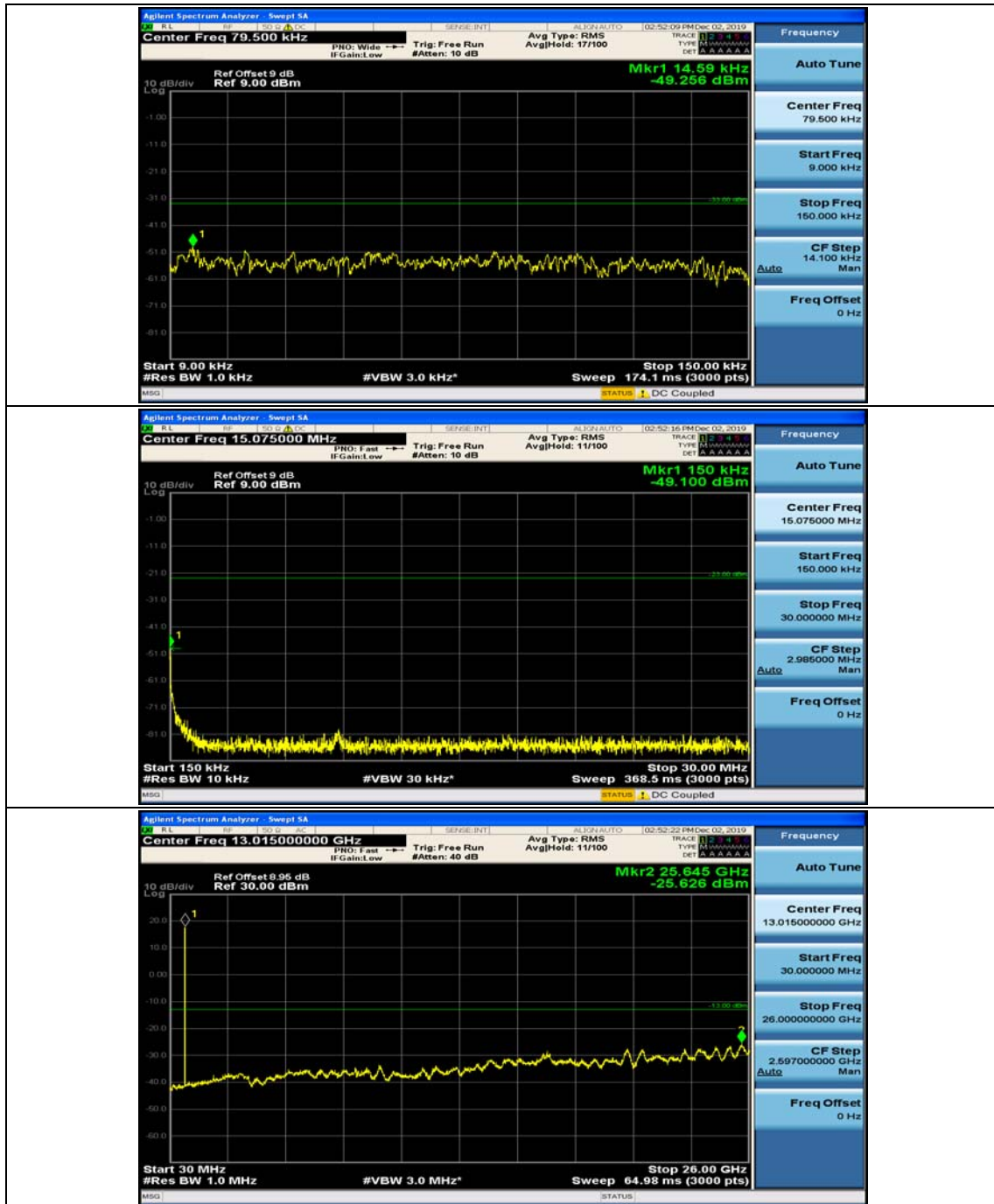


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0



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	-1.6	-0.002265	± 2.5	PASS
		VN	TN	-1.05	-0.001486	± 2.5	PASS
		VH	TN	2.09	0.002958	± 2.5	PASS
	MCH	VL	TN	2.37	0.003338	± 2.5	PASS
		VN	TN	2.19	0.003085	± 2.5	PASS
		VH	TN	3.6	0.005070	± 2.5	PASS
	HCH	VL	TN	1.15	0.001612	± 2.5	PASS
		VN	TN	0.47	0.000659	± 2.5	PASS
		VH	TN	0.7	0.000981	± 2.5	PASS
16QAM	LCH	VL	TN	-0.01	-0.000014	± 2.5	PASS
		VN	TN	-1.02	-0.001444	± 2.5	PASS
		VH	TN	-1.14	-0.001614	± 2.5	PASS
	MCH	VL	TN	-0.73	-0.001028	± 2.5	PASS
		VN	TN	-0.32	-0.000451	± 2.5	PASS
		VH	TN	0.54	0.000761	± 2.5	PASS
	HCH	VL	TN	0.4	0.000561	± 2.5	PASS
		VN	TN	1.92	0.002691	± 2.5	PASS
		VH	TN	0.17	0.000238	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.13	0.004415	± 2.5	PASS
		VN	-20	-0.09	-0.000127	± 2.5	PASS
		VN	-10	0.96	0.001354	± 2.5	PASS
		VN	0	3.26	0.004598	± 2.5	PASS
		VN	10	3.37	0.004753	± 2.5	PASS
		VN	20	2.14	0.003018	± 2.5	PASS
		VN	30	1.21	0.001707	± 2.5	PASS
		VN	40	1.27	0.001791	± 2.5	PASS
	MCH	VN	-30	0.19	0.000268	± 2.5	PASS
		VN	-20	-1.33	-0.001873	± 2.5	PASS

		VN	-10	1.06	0.001493	± 2.5	PASS	
		VN	0	-0.77	-0.001085	± 2.5	PASS	
		VN	10	3.81	0.005366	± 2.5	PASS	
		VN	20	2.48	0.003493	± 2.5	PASS	
		VN	30	4.56	0.006423	± 2.5	PASS	
		VN	40	-1.43	-0.002014	± 2.5	PASS	
		VN	50	4.46	0.006282	± 2.5	PASS	
	HCH	VN	-30	4.25	0.005977	± 2.5	PASS	
		VN	-20	1.11	0.001561	± 2.5	PASS	
		VN	-10	0.02	0.000028	± 2.5	PASS	
		VN	0	2.9	0.004079	± 2.5	PASS	
		VN	10	-0.28	-0.000394	± 2.5	PASS	
		VN	20	2.93	0.004121	± 2.5	PASS	
		VN	30	2.39	0.003361	± 2.5	PASS	
	16QAM	LCH	VN	-30	1.76	0.002479	± 2.5	PASS
			VN	-20	2.4	0.003380	± 2.5	PASS
			VN	-10	2.19	0.003085	± 2.5	PASS
			VN	0	3.68	0.005183	± 2.5	PASS
VN			10	2.42	0.003408	± 2.5	PASS	
VN			20	2.61	0.003676	± 2.5	PASS	
VN			30	0.36	0.000507	± 2.5	PASS	
VN			40	-0.5	-0.000704	± 2.5	PASS	
VN			50	-1.4	-0.001972	± 2.5	PASS	
MCH		VN	-30	-0.31	-0.000436	± 2.5	PASS	
		VN	-20	0.78	0.001097	± 2.5	PASS	
		VN	-10	-1.81	-0.002546	± 2.5	PASS	
		VN	0	4.99	0.007018	± 2.5	PASS	
		VN	10	4.46	0.006273	± 2.5	PASS	
		VN	20	2.19	0.003080	± 2.5	PASS	
		VN	30	1.5	0.002110	± 2.5	PASS	
		VN	40	0.91	0.001280	± 2.5	PASS	
		VN	50	4.05	0.005696	± 2.5	PASS	
HCH	VN	-30	-1.73	-0.002433	± 2.5	PASS		
	VN	-20	0.46	0.000647	± 2.5	PASS		
	VN	-10	1.4	0.001969	± 2.5	PASS		
	VN	0	0.98	0.001378	± 2.5	PASS		
	VN	10	4.07	0.005724	± 2.5	PASS		
	VN	20	0.46	0.000647	± 2.5	PASS		
	VN	30	3.5	0.004923	± 2.5	PASS		

	VN	40	0.07	0.000098	± 2.5	PASS
	VN	50	1.56	0.002194	± 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	-1.43	-0.002017	± 2.5	PASS
		VN	TN	4.26	0.006008	± 2.5	PASS
		VH	TN	3.44	0.004852	± 2.5	PASS
	MCH	VL	TN	3.31	0.004662	± 2.5	PASS
		VN	TN	-1.51	-0.002127	± 2.5	PASS
		VH	TN	3.87	0.005451	± 2.5	PASS
	HCH	VL	TN	0.82	0.001153	± 2.5	PASS
		VN	TN	-1.32	-0.001857	± 2.5	PASS
		VH	TN	-1.11	-0.001561	± 2.5	PASS
16QAM	LCH	VL	TN	0.86	0.001213	± 2.5	PASS
		VN	TN	0.26	0.000367	± 2.5	PASS
		VH	TN	4.11	0.005797	± 2.5	PASS
	MCH	VL	TN	3.56	0.005014	± 2.5	PASS
		VN	TN	-0.24	-0.000338	± 2.5	PASS
		VH	TN	3.35	0.004718	± 2.5	PASS
	HCH	VL	TN	-1.51	-0.002124	± 2.5	PASS
		VN	TN	2.94	0.004135	± 2.5	PASS
		VH	TN	-0.84	-0.001181	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.42	0.006234	± 2.5	PASS
		VN	-20	2.97	0.004189	± 2.5	PASS
		VN	-10	0.05	0.000071	± 2.5	PASS
		VN	0	-1.12	-0.001580	± 2.5	PASS
		VN	10	-1.44	-0.002031	± 2.5	PASS
		VN	20	-0.56	-0.000790	± 2.5	PASS
		VN	30	1.31	0.001848	± 2.5	PASS
		VN	40	0.66	0.000931	± 2.5	PASS
		VN	50	4.72	0.006657	± 2.5	PASS
	MCH	VN	-30	1.51	0.002127	± 2.5	PASS
		VN	-20	-1.18	-0.001662	± 2.5	PASS
		VN	-10	-0.27	-0.000380	± 2.5	PASS

		VN	0	-0.03	-0.000042	± 2.5	PASS		
		VN	10	0.03	0.000042	± 2.5	PASS		
		VN	20	3.16	0.004451	± 2.5	PASS		
		VN	30	2.77	0.003901	± 2.5	PASS		
		VN	40	1.81	0.002549	± 2.5	PASS		
		VN	50	3.82	0.005380	± 2.5	PASS		
	HCH	VN	-30	-0.93	-0.001308	± 2.5	PASS		
		VN	-20	0.67	0.000942	± 2.5	PASS		
		VN	-10	4.46	0.006273	± 2.5	PASS		
		VN	0	0.48	0.000675	± 2.5	PASS		
		VN	10	-0.26	-0.000366	± 2.5	PASS		
		VN	20	-1.47	-0.002068	± 2.5	PASS		
		VN	30	3.68	0.005176	± 2.5	PASS		
		VN	40	3.32	0.004669	± 2.5	PASS		
		VN	50	3.48	0.004895	± 2.5	PASS		
		16QAM	LCH	VN	-30	4.82	0.006789	± 2.5	PASS
				VN	-20	2.63	0.003704	± 2.5	PASS
				VN	-10	-1.79	-0.002521	± 2.5	PASS
VN	0			-0.39	-0.000549	± 2.5	PASS		
VN	10			0.51	0.000718	± 2.5	PASS		
VN	20			-1.79	-0.002521	± 2.5	PASS		
VN	30			-0.24	-0.000338	± 2.5	PASS		
VN	40			-1.21	-0.001704	± 2.5	PASS		
VN	50			3.85	0.005423	± 2.5	PASS		
MCH	VN		-30	2.39	0.003361	± 2.5	PASS		
	VN		-20	-1.14	-0.001603	± 2.5	PASS		
	VN		-10	4.42	0.006217	± 2.5	PASS		
	VN		0	1.81	0.002546	± 2.5	PASS		
	VN		10	0.87	0.001224	± 2.5	PASS		
	VN		20	3.94	0.005541	± 2.5	PASS		
	VN		30	3.58	0.005035	± 2.5	PASS		
	VN		40	4.99	0.007018	± 2.5	PASS		
	VN		50	4.04	0.005682	± 2.5	PASS		
HCH	VN		-30	1.38	0.001941	± 2.5	PASS		
	VN		-20	3.25	0.004571	± 2.5	PASS		
	VN		-10	-1.27	-0.001786	± 2.5	PASS		
	VN		0	2.12	0.002982	± 2.5	PASS		
	VN		10	1.05	0.001477	± 2.5	PASS		
	VN		20	4.78	0.006723	± 2.5	PASS		
	VN		30	1.86	0.002616	± 2.5	PASS		
	VN		40	3.41	0.004796	± 2.5	PASS		



		VN	50	0.84	0.001181	± 2.5	PASS
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