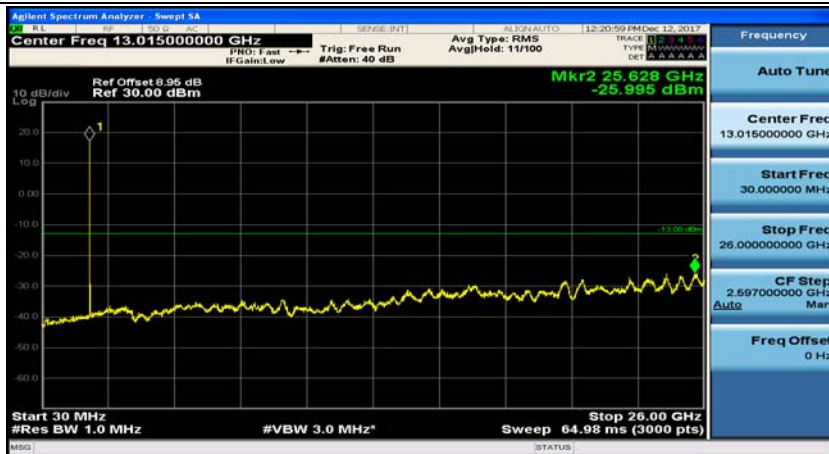
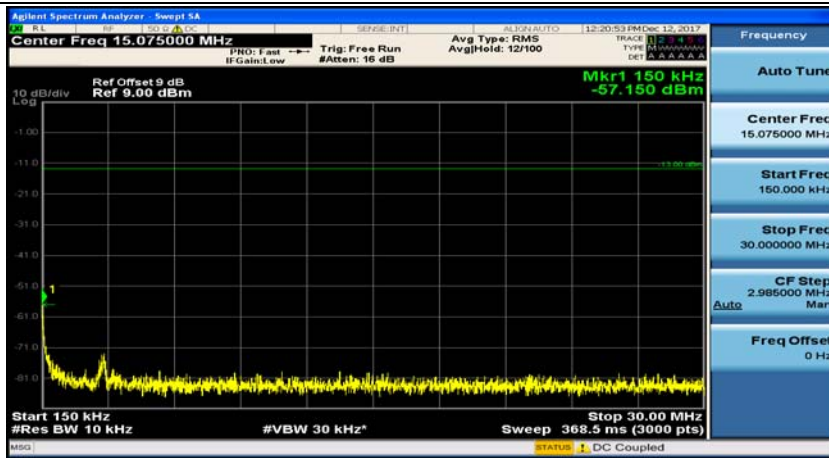
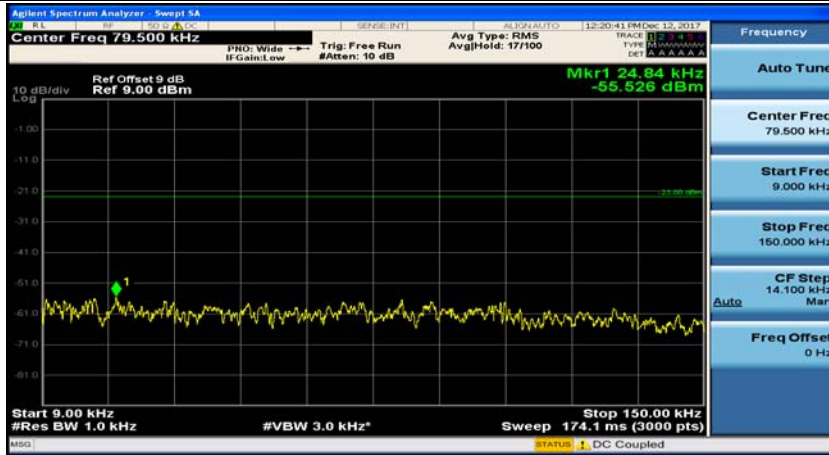
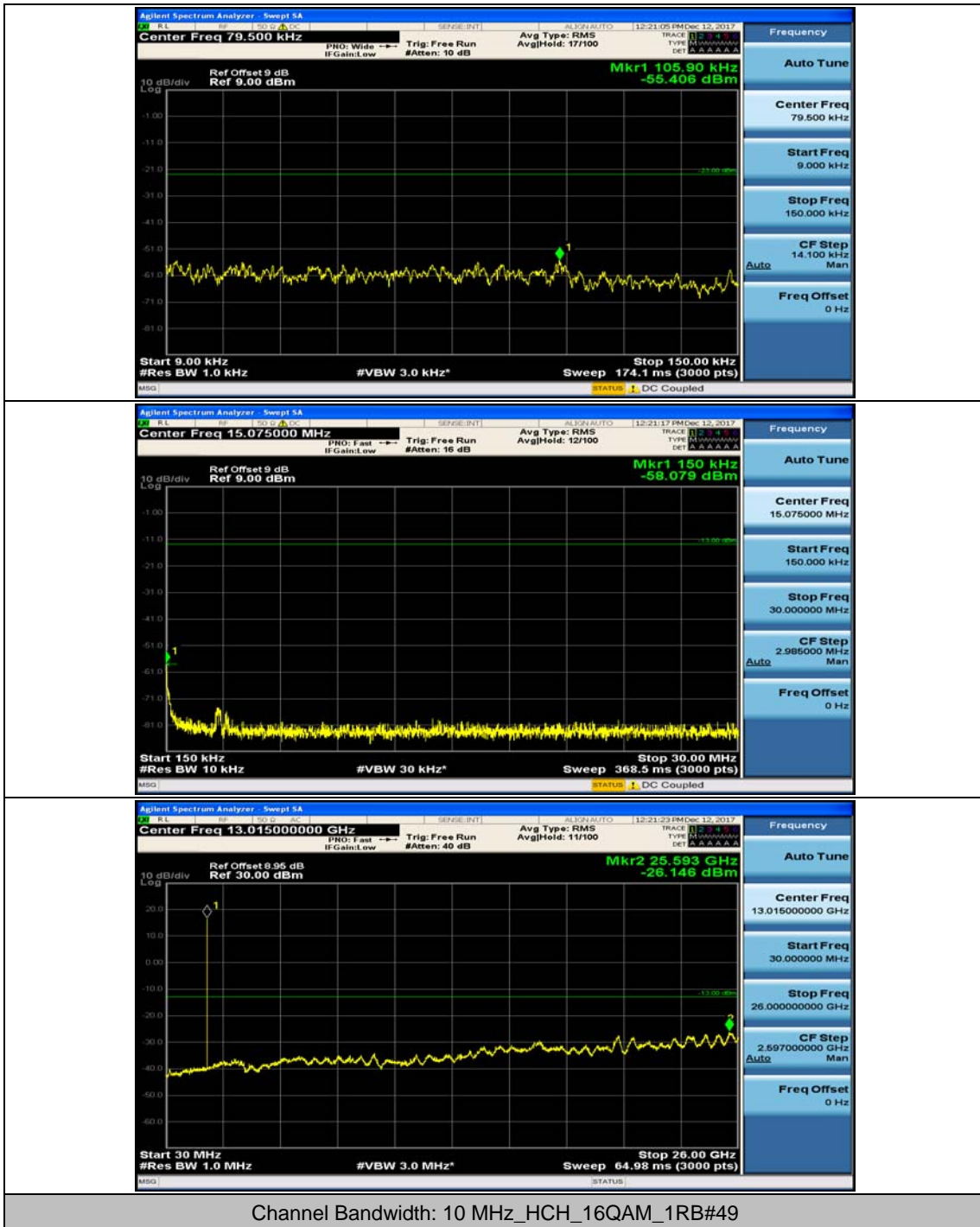
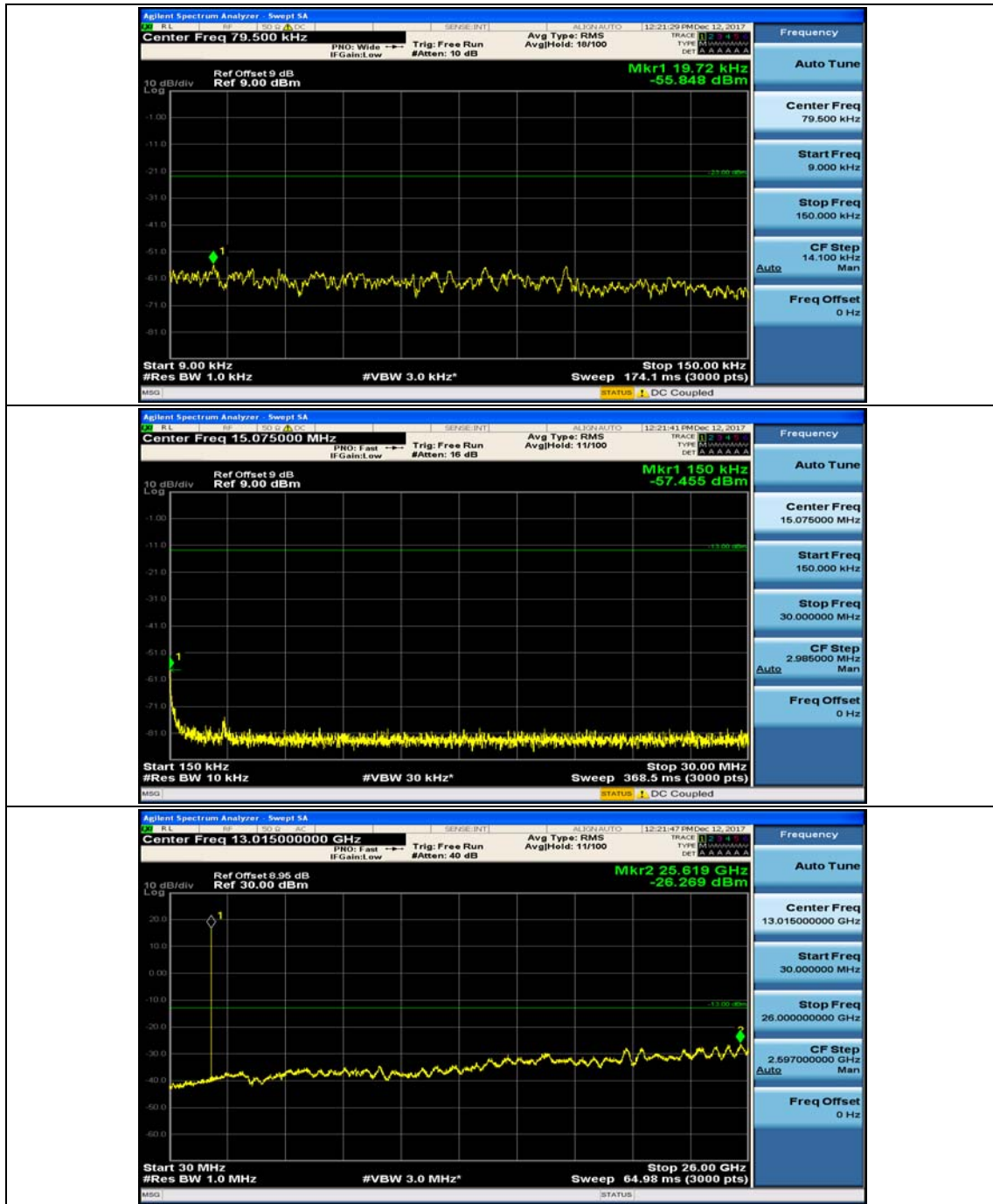


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

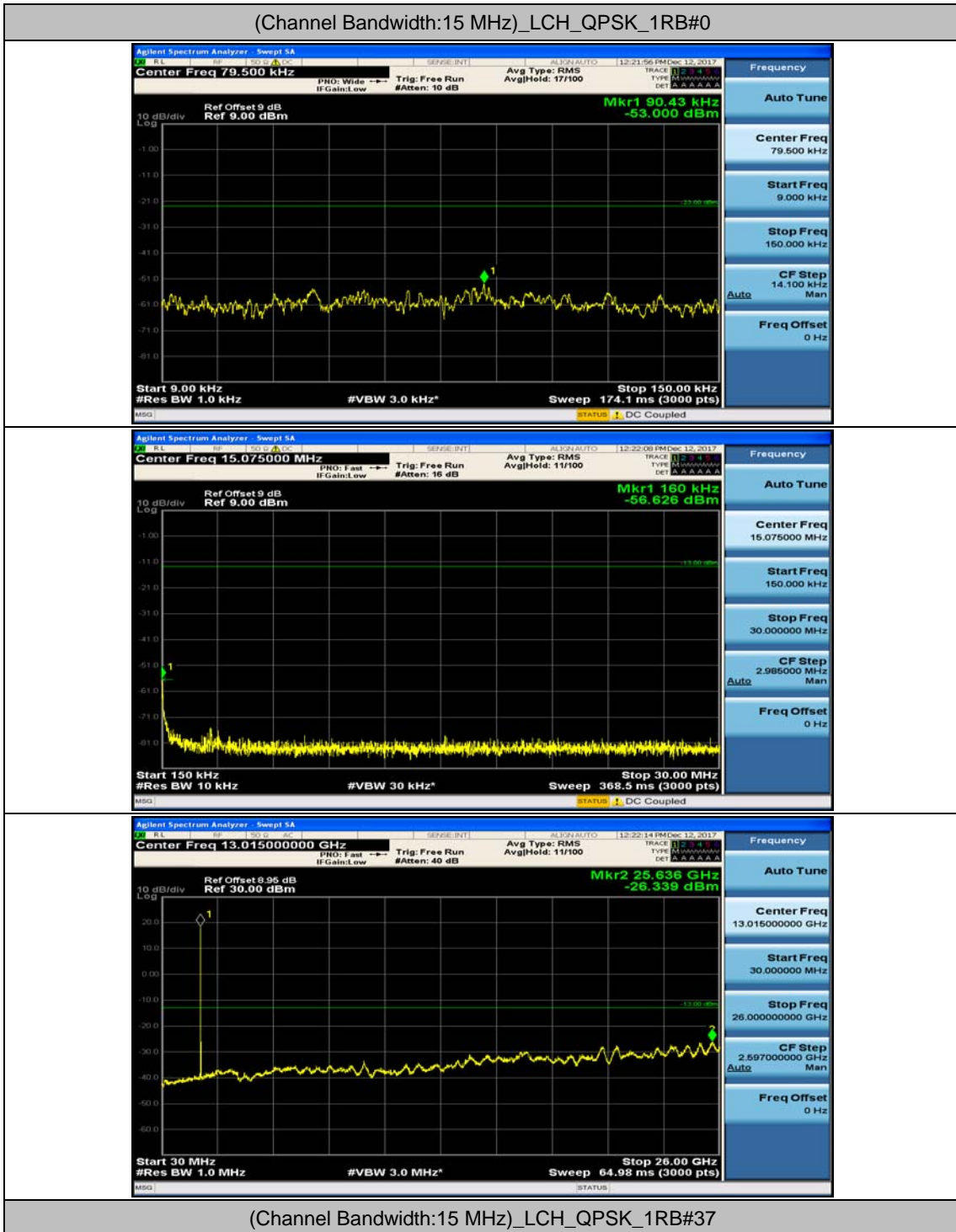


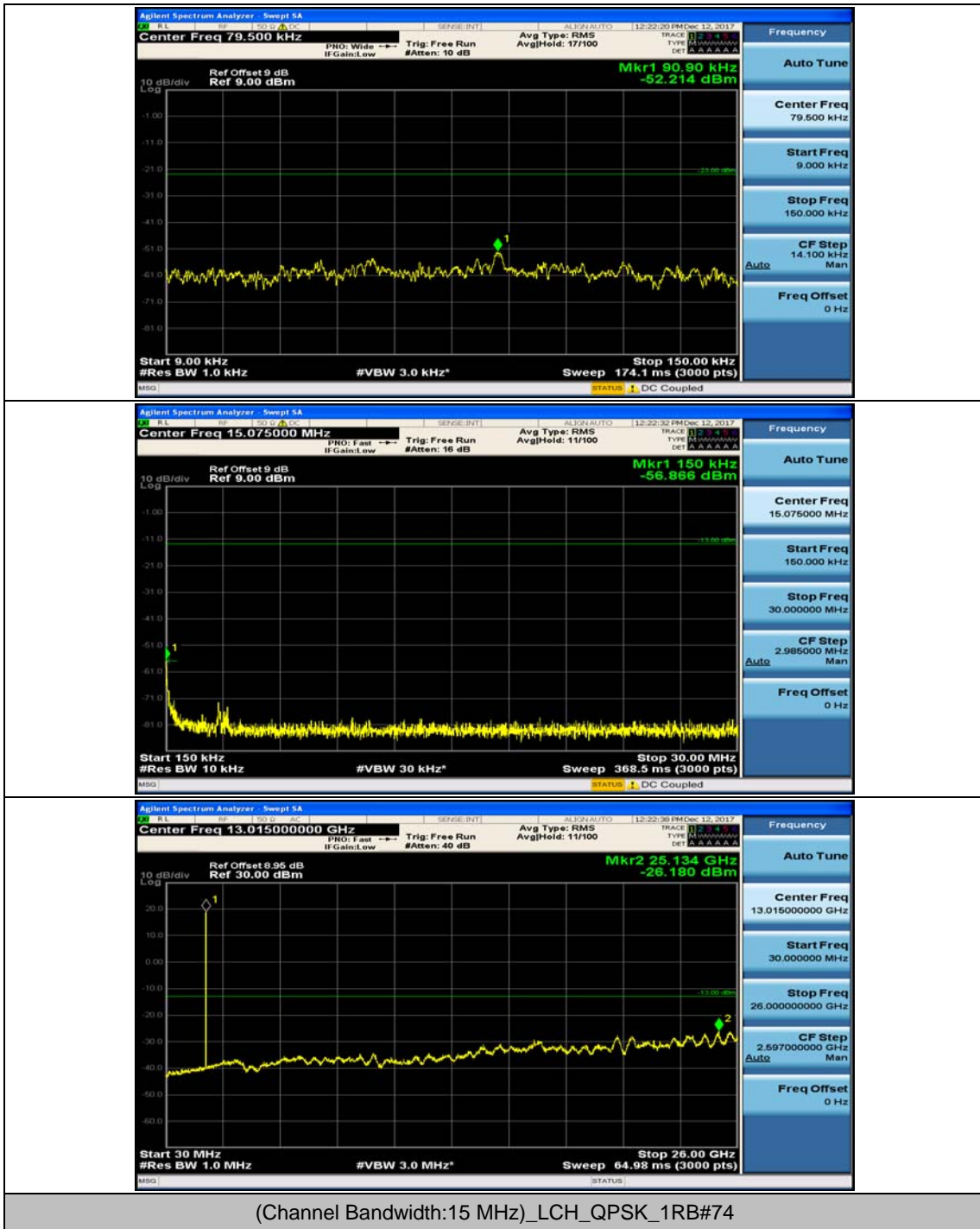
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

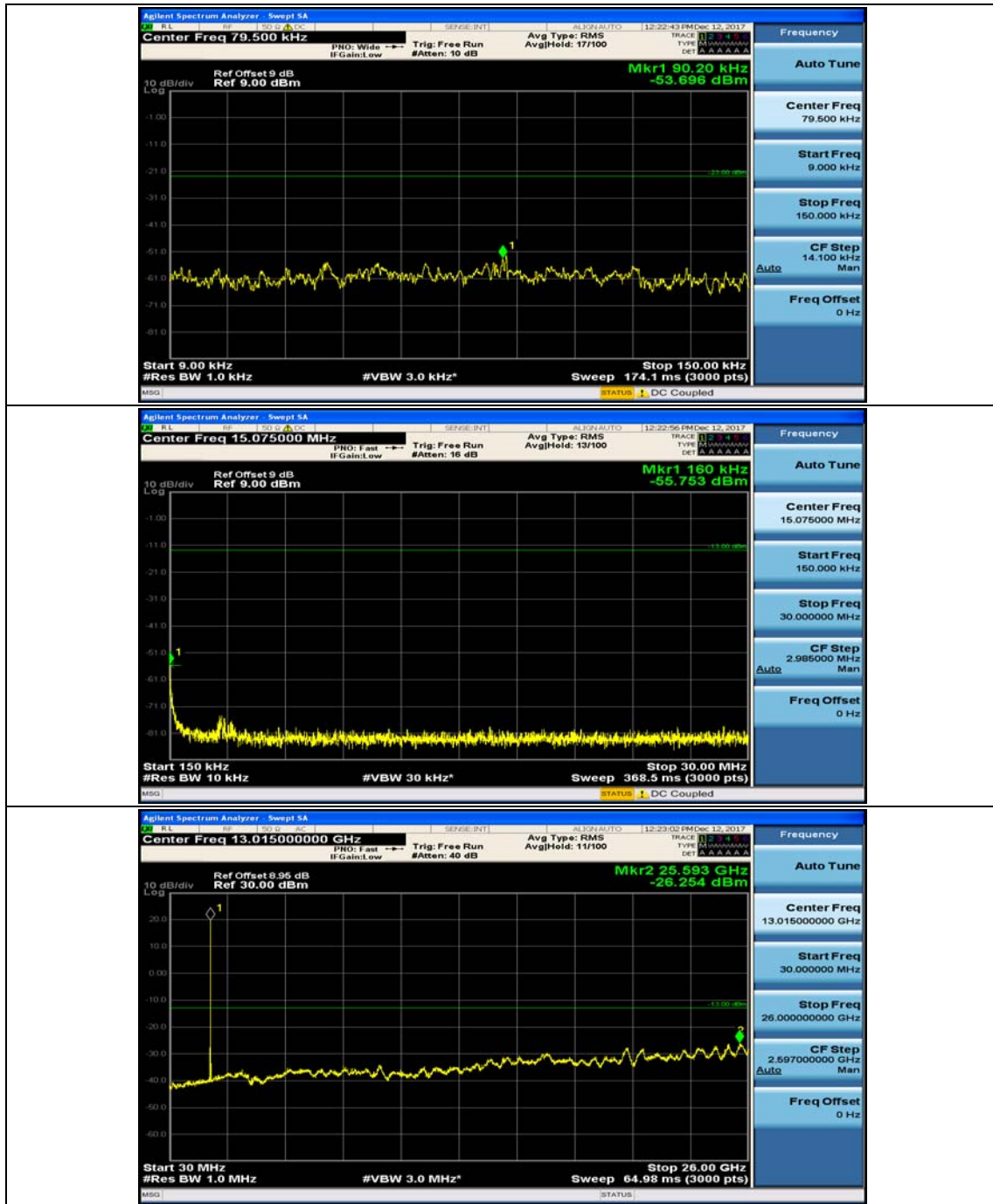




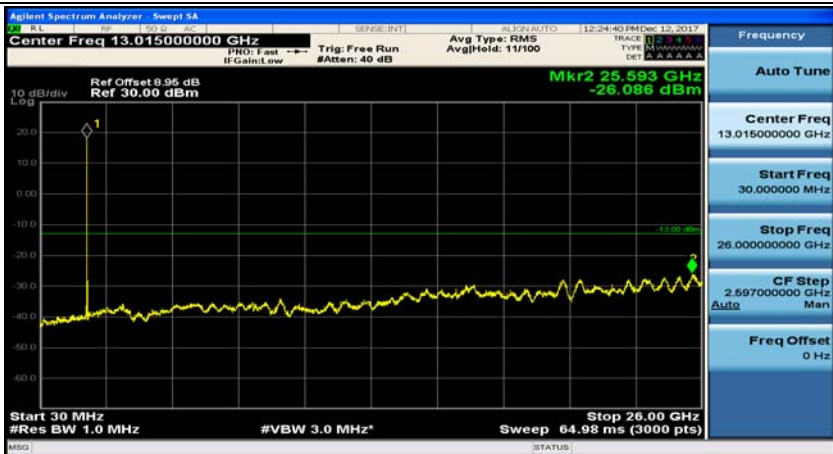
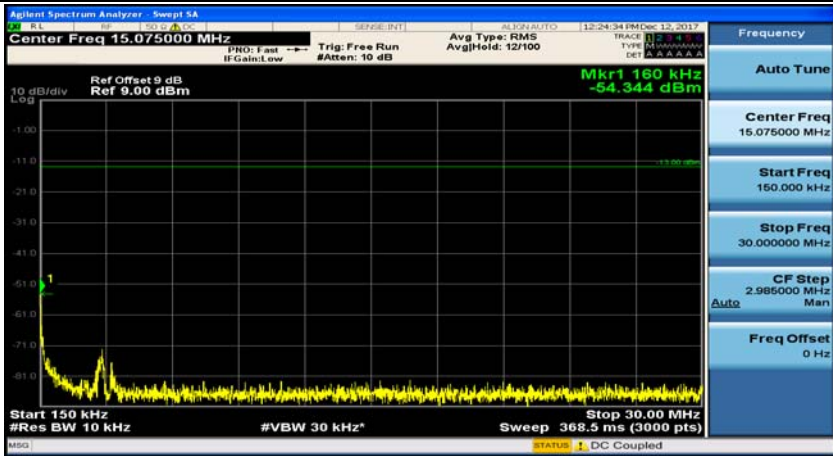
Channel Bandwidth: 15 MHz



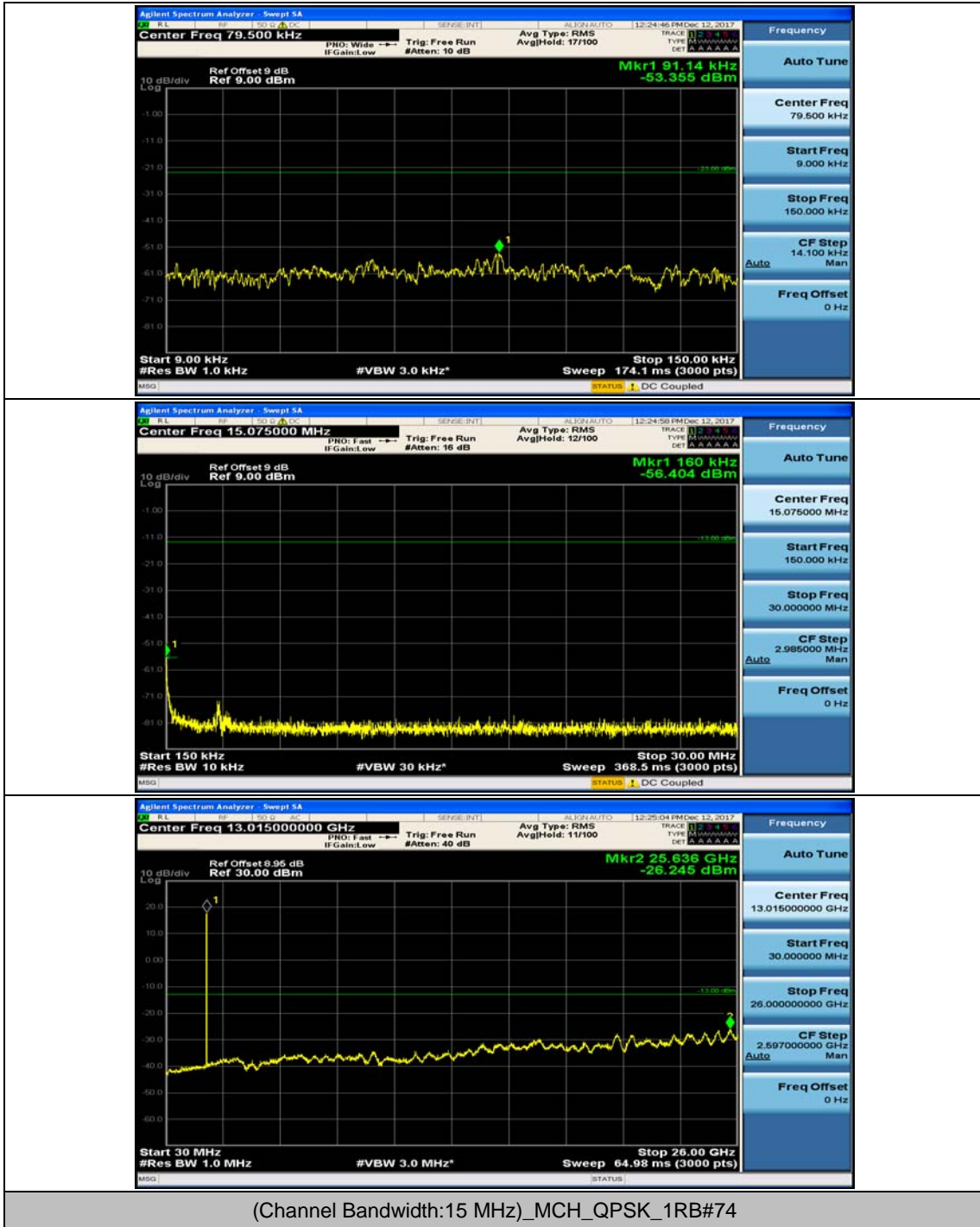


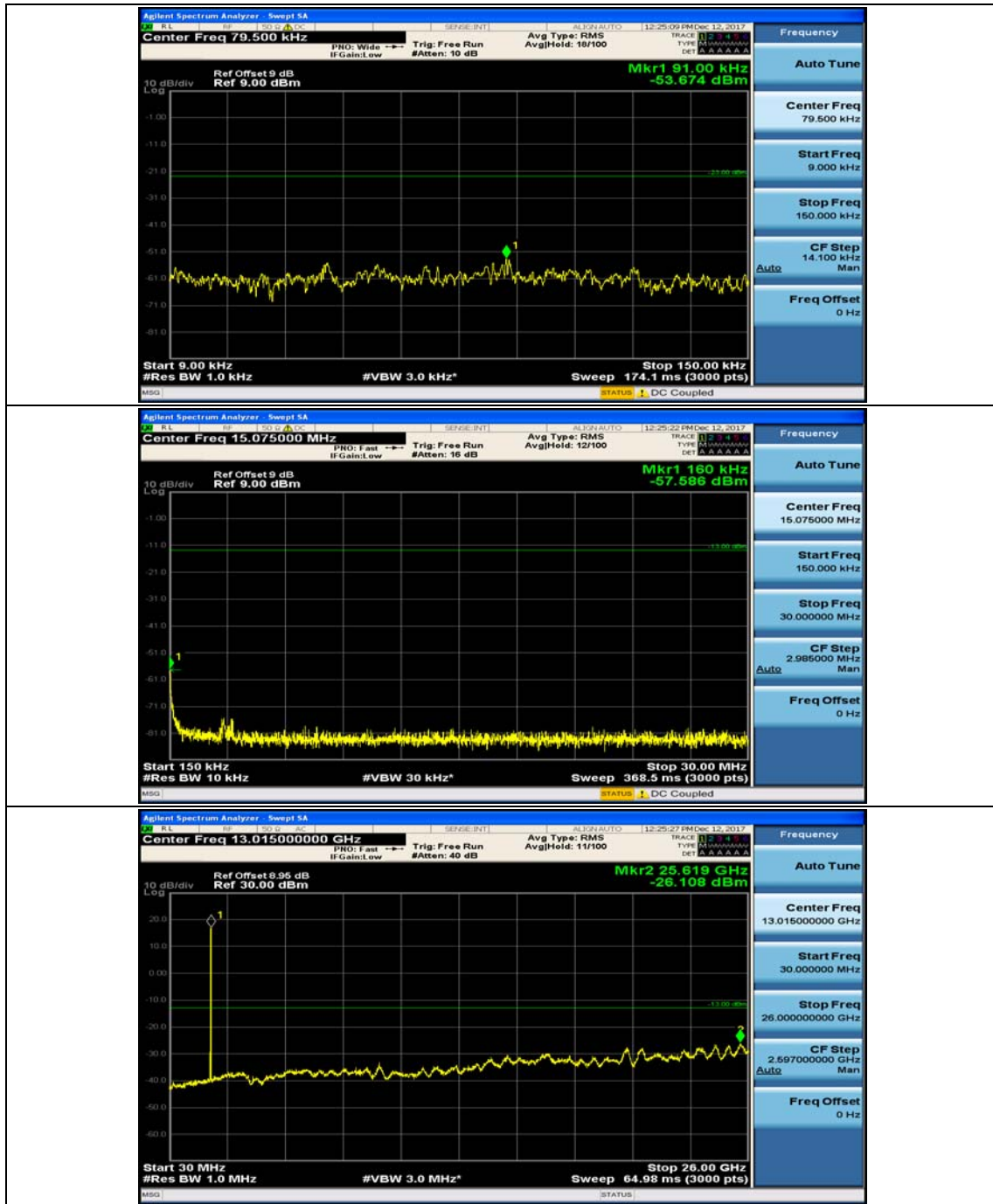


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

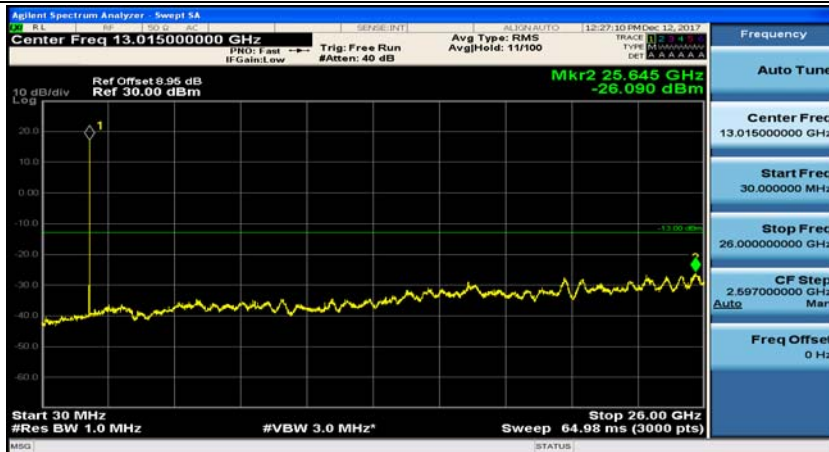
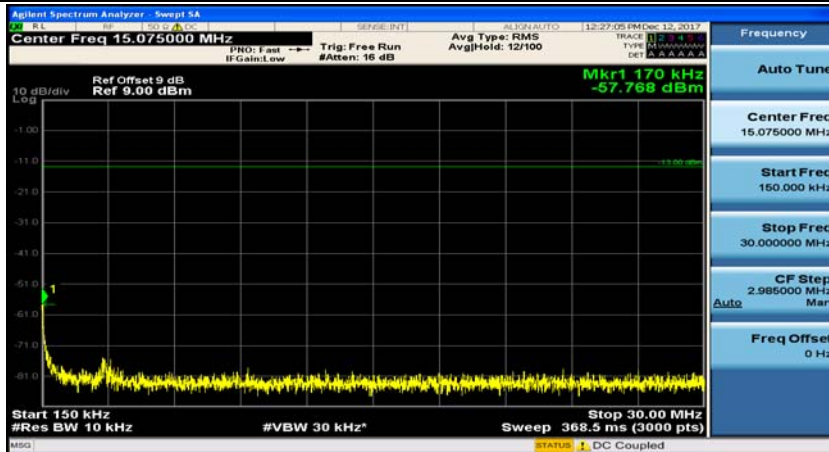


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

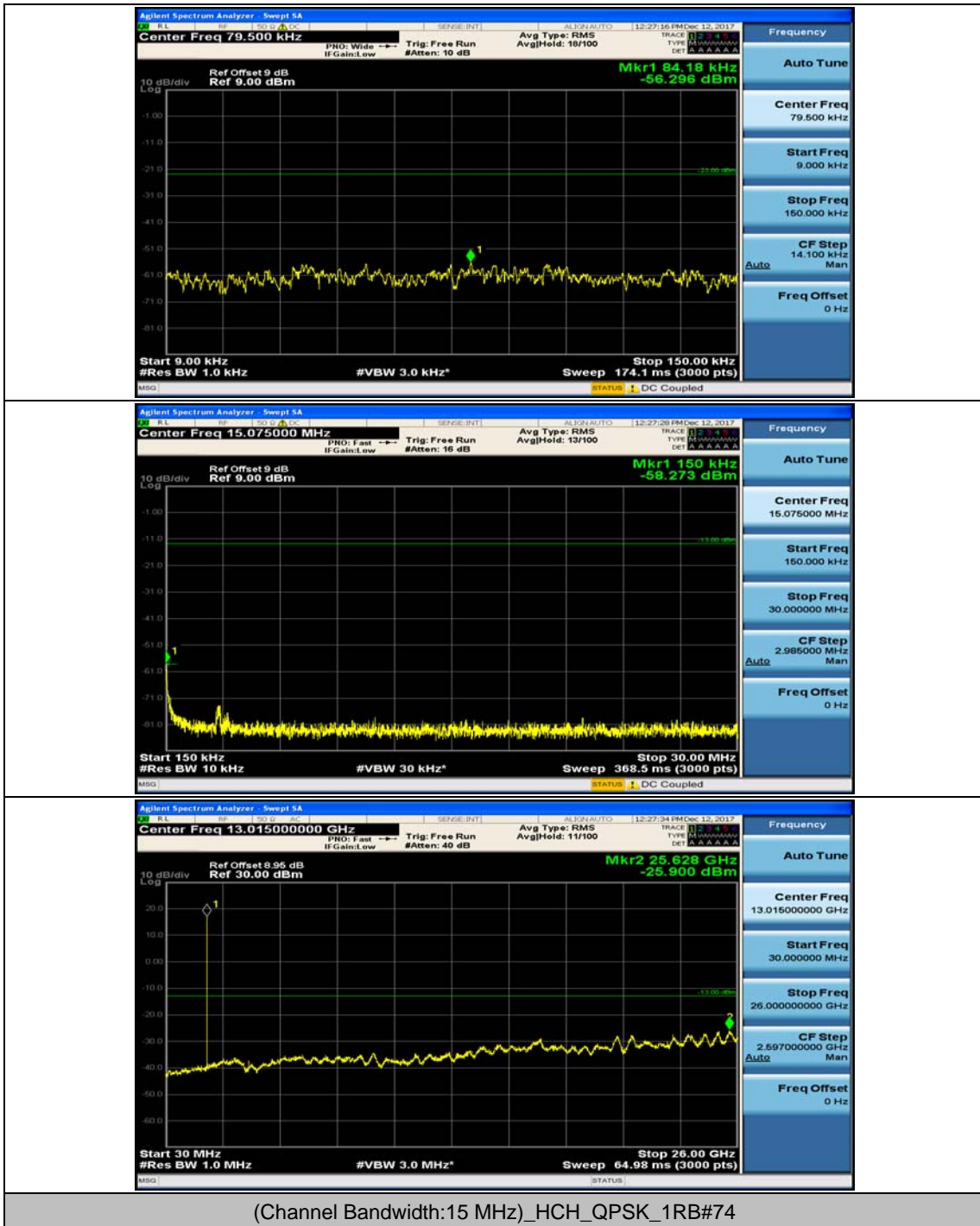


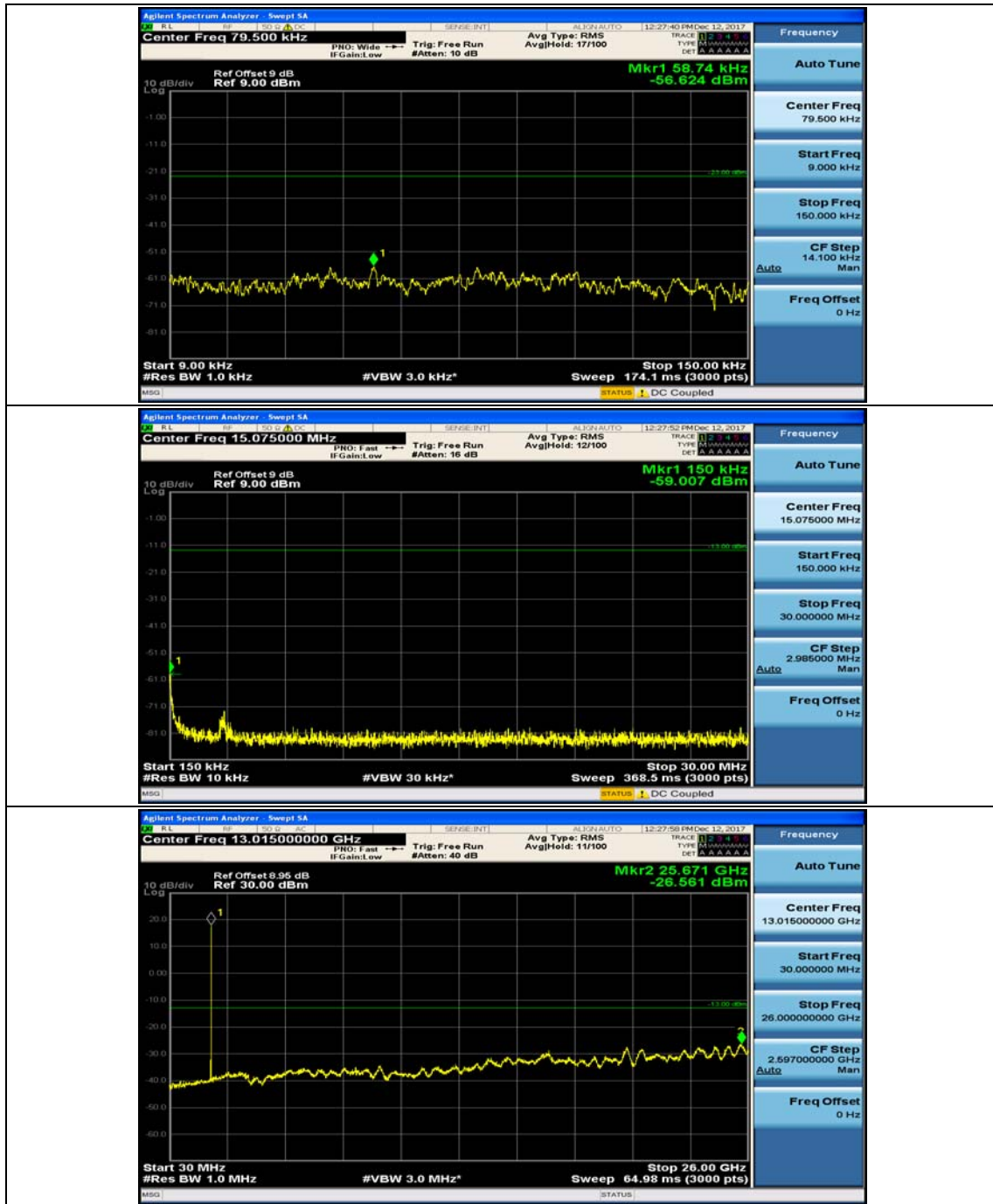


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

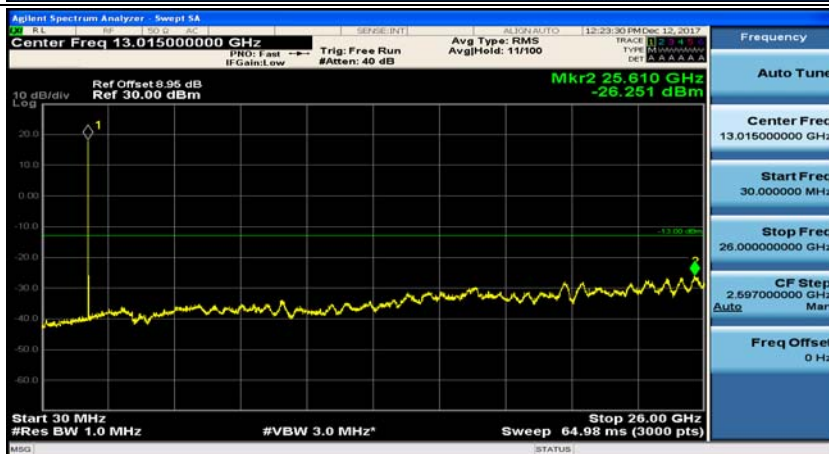
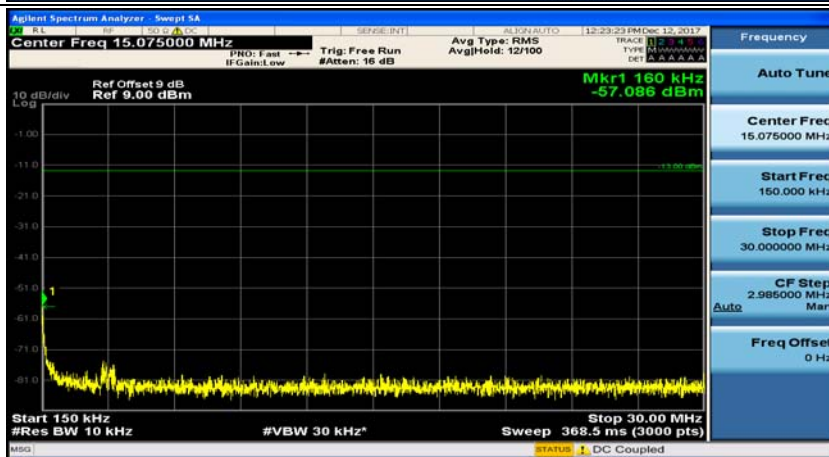


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

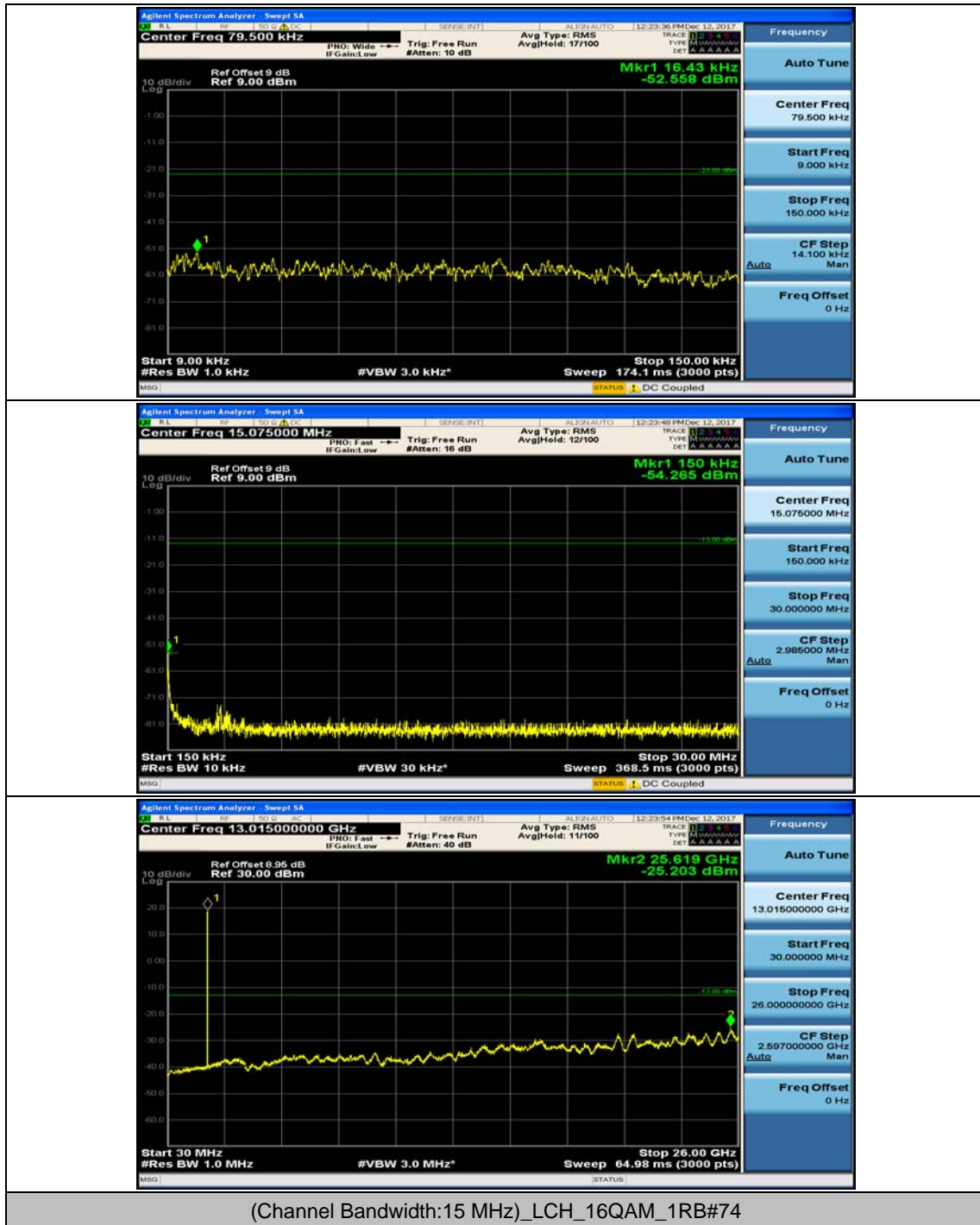


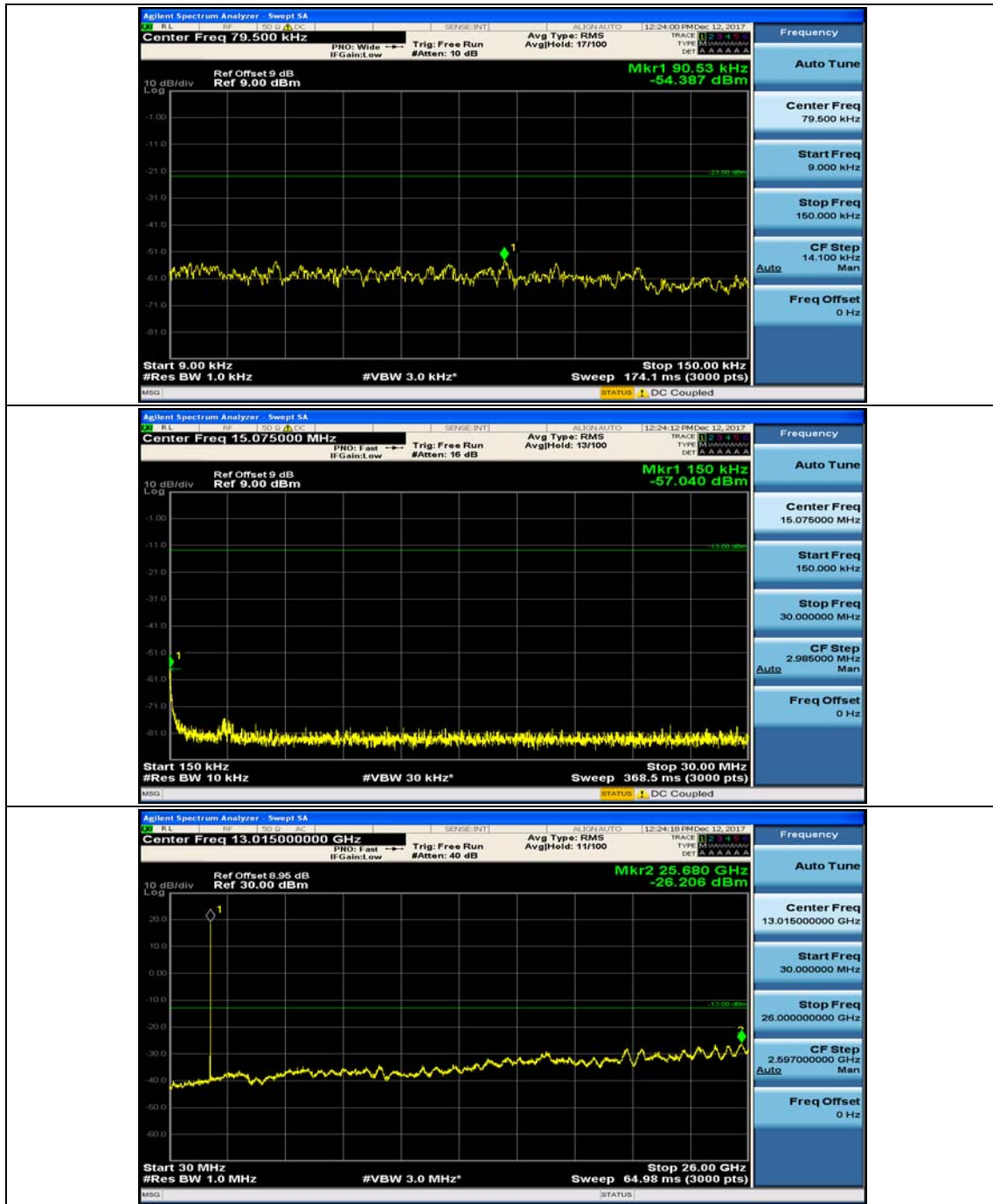


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

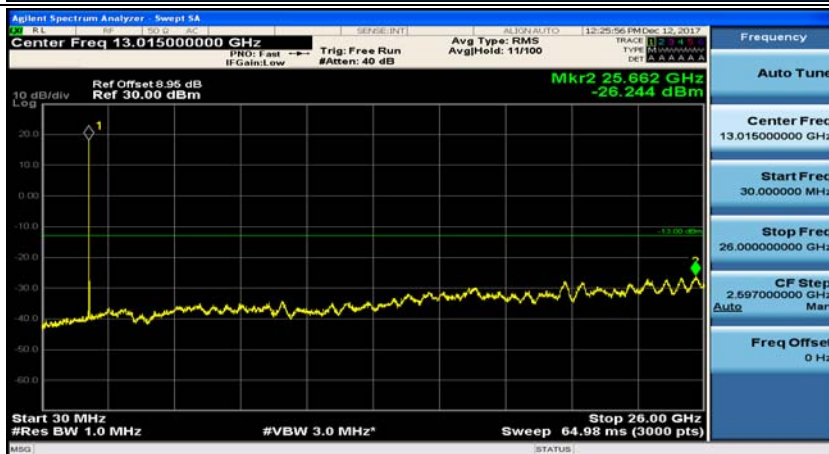
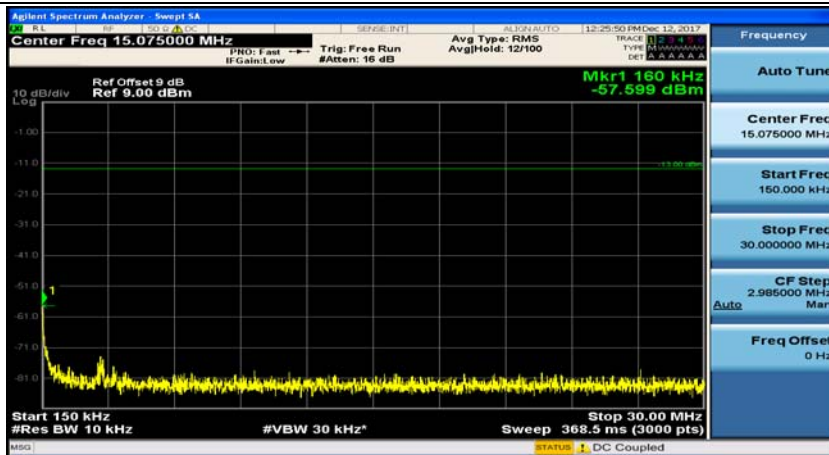
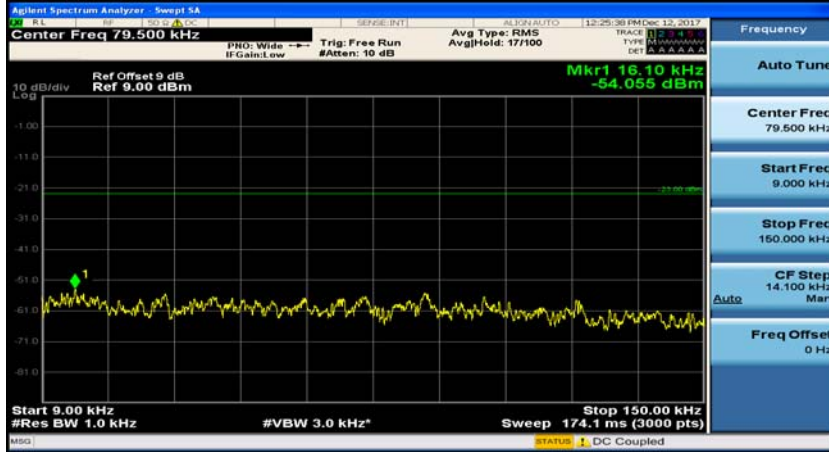


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

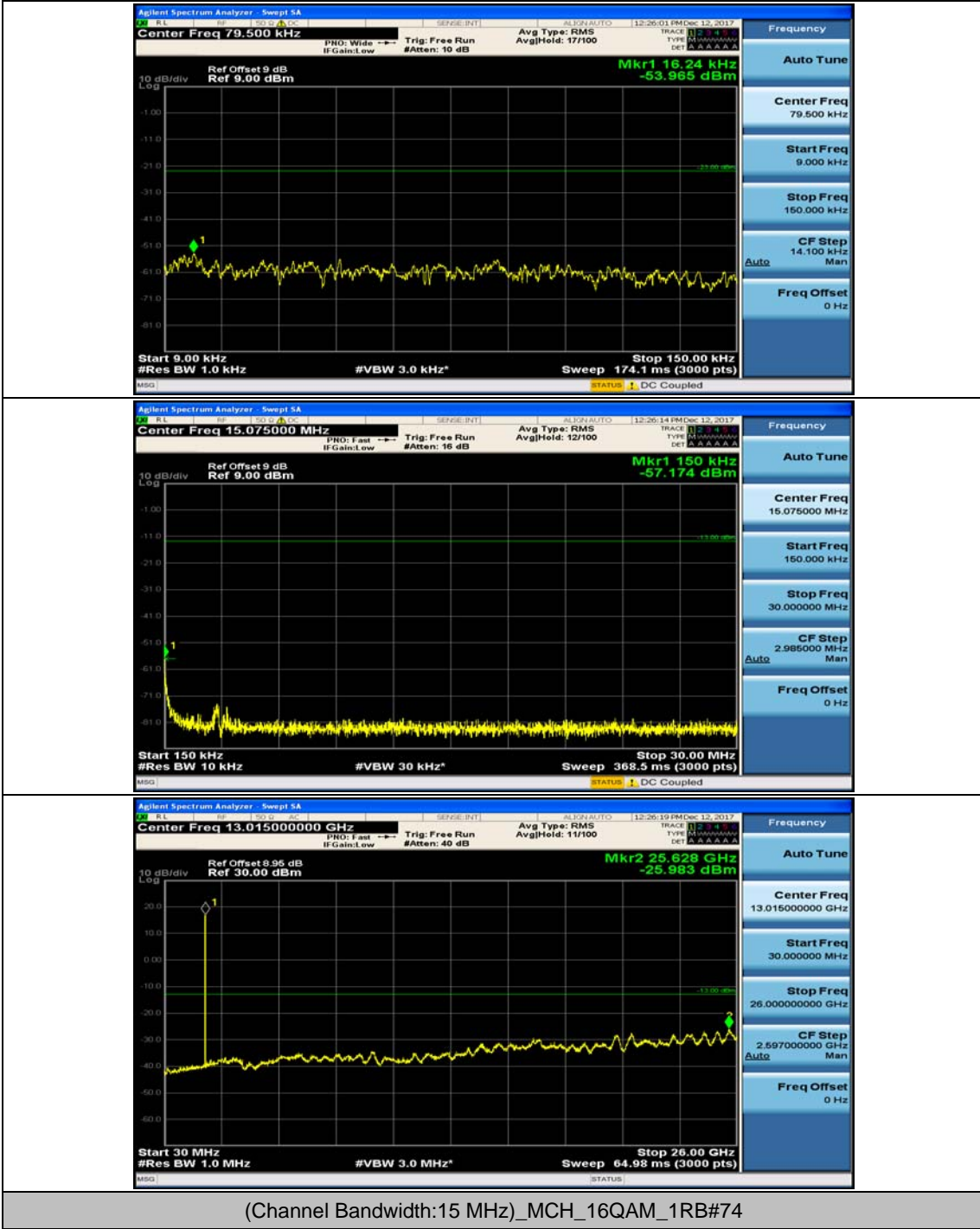


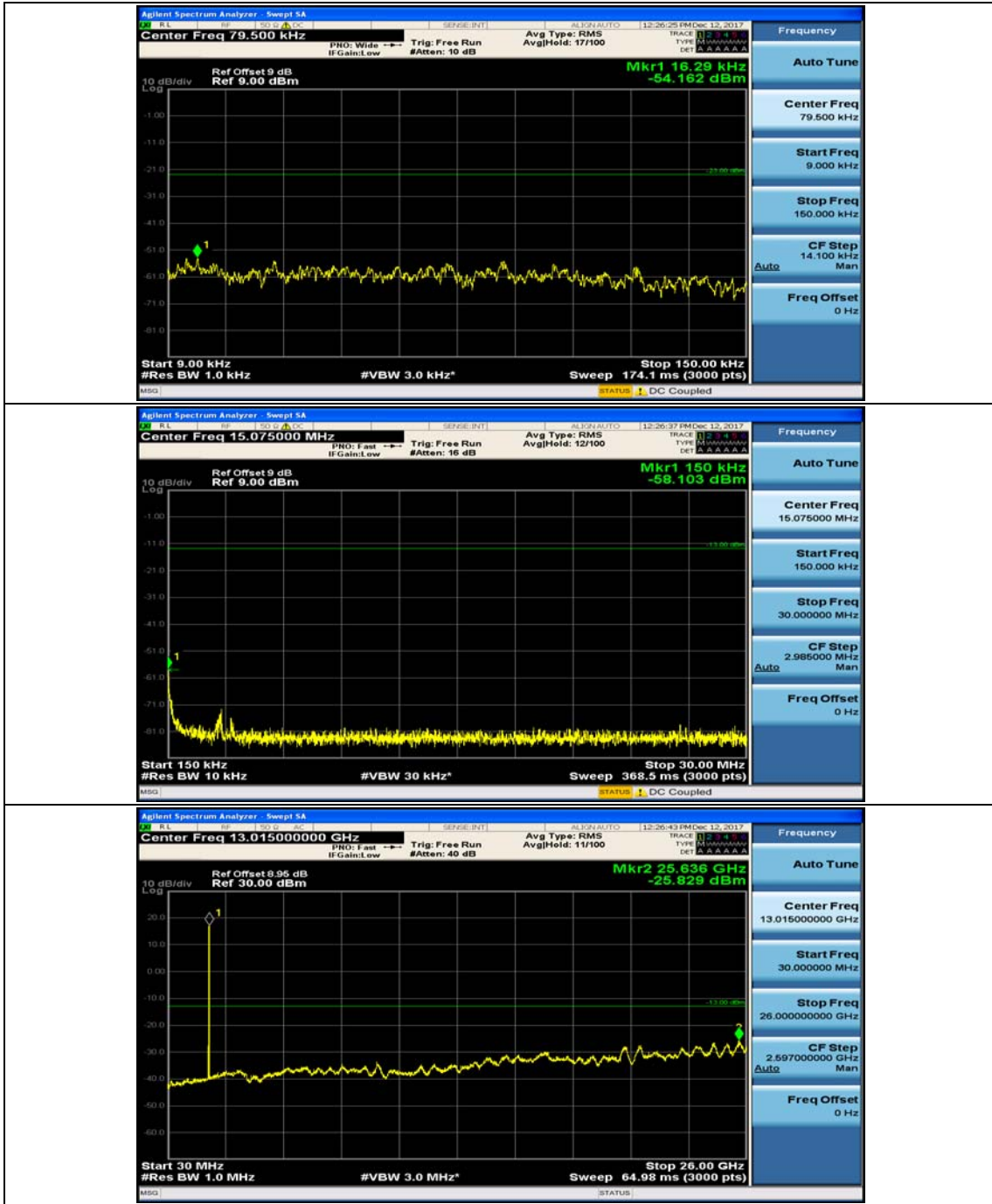


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

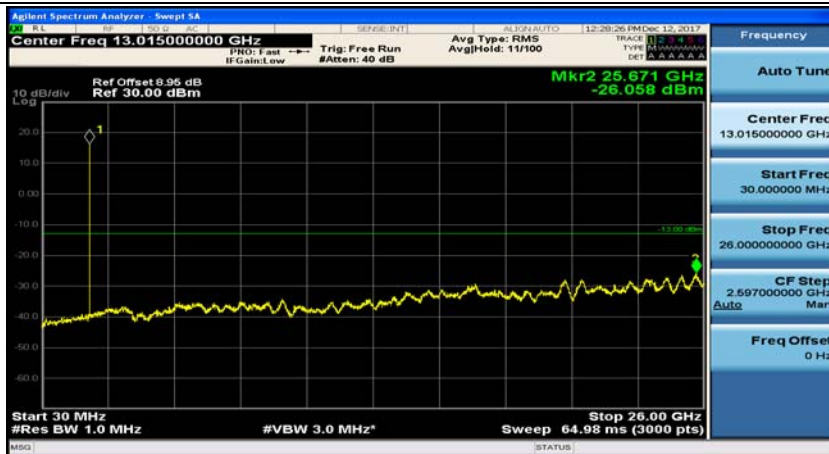
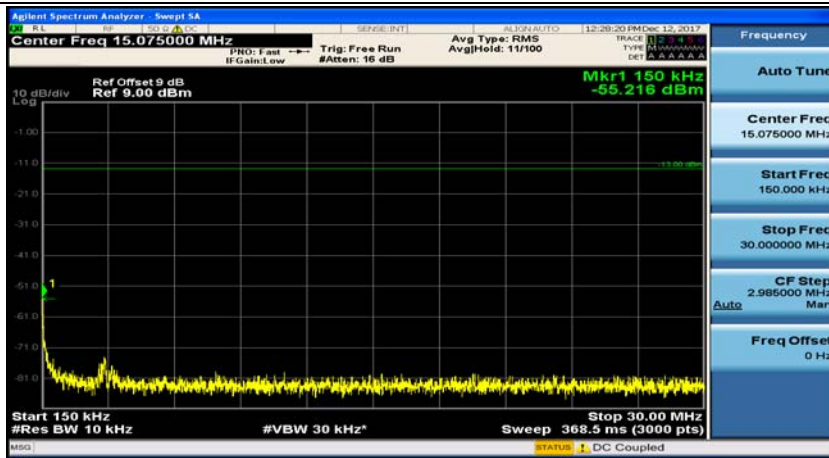


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

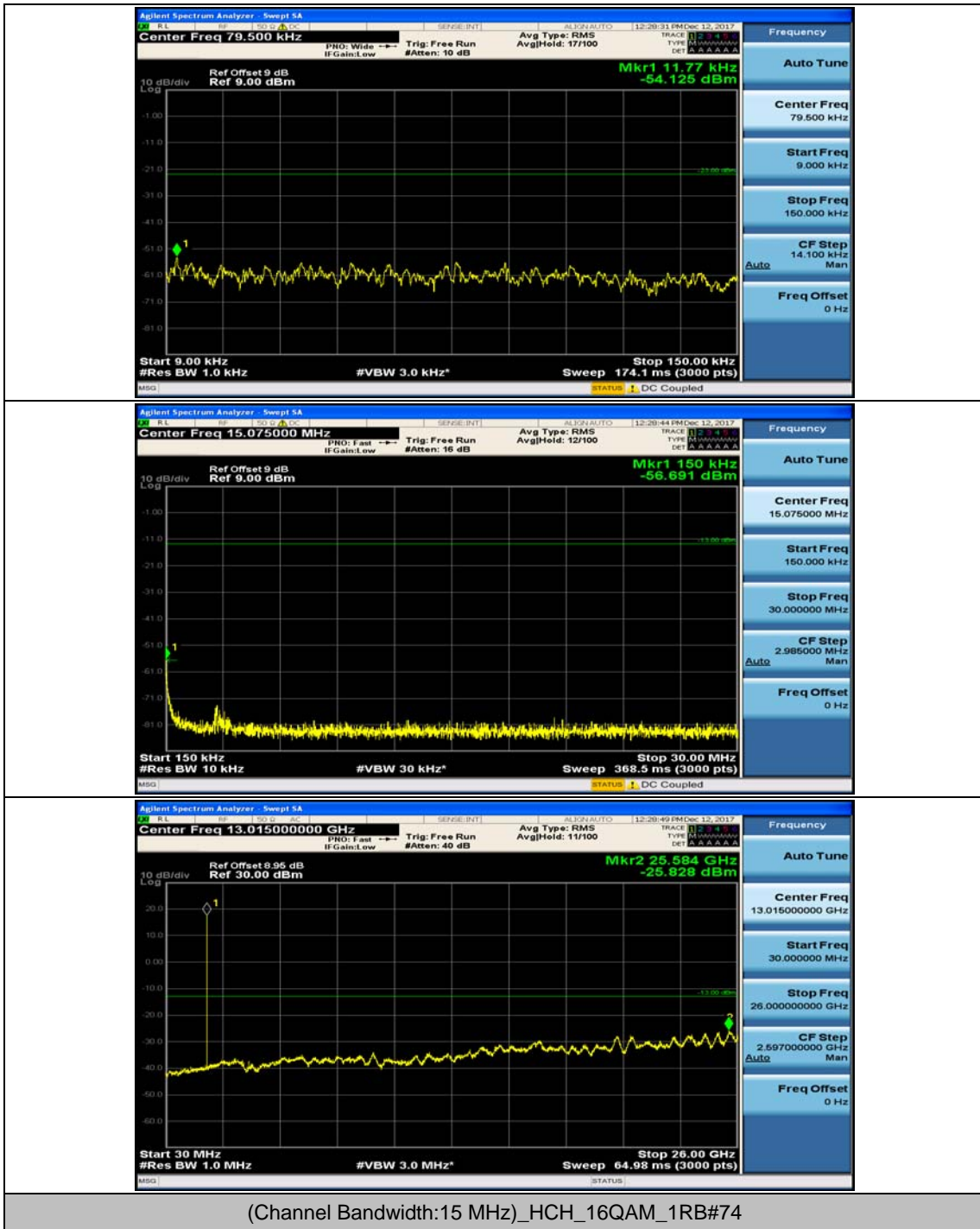


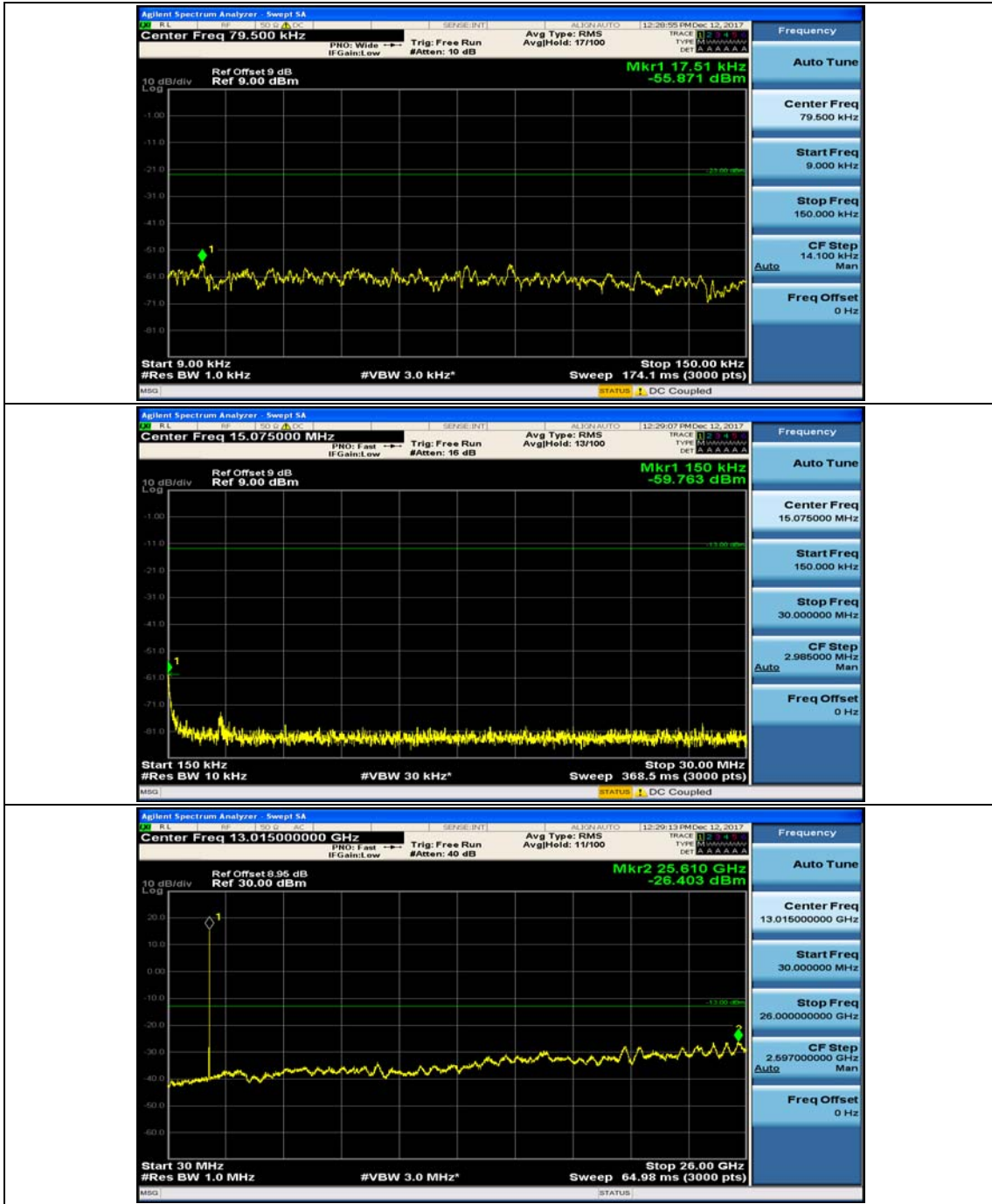


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

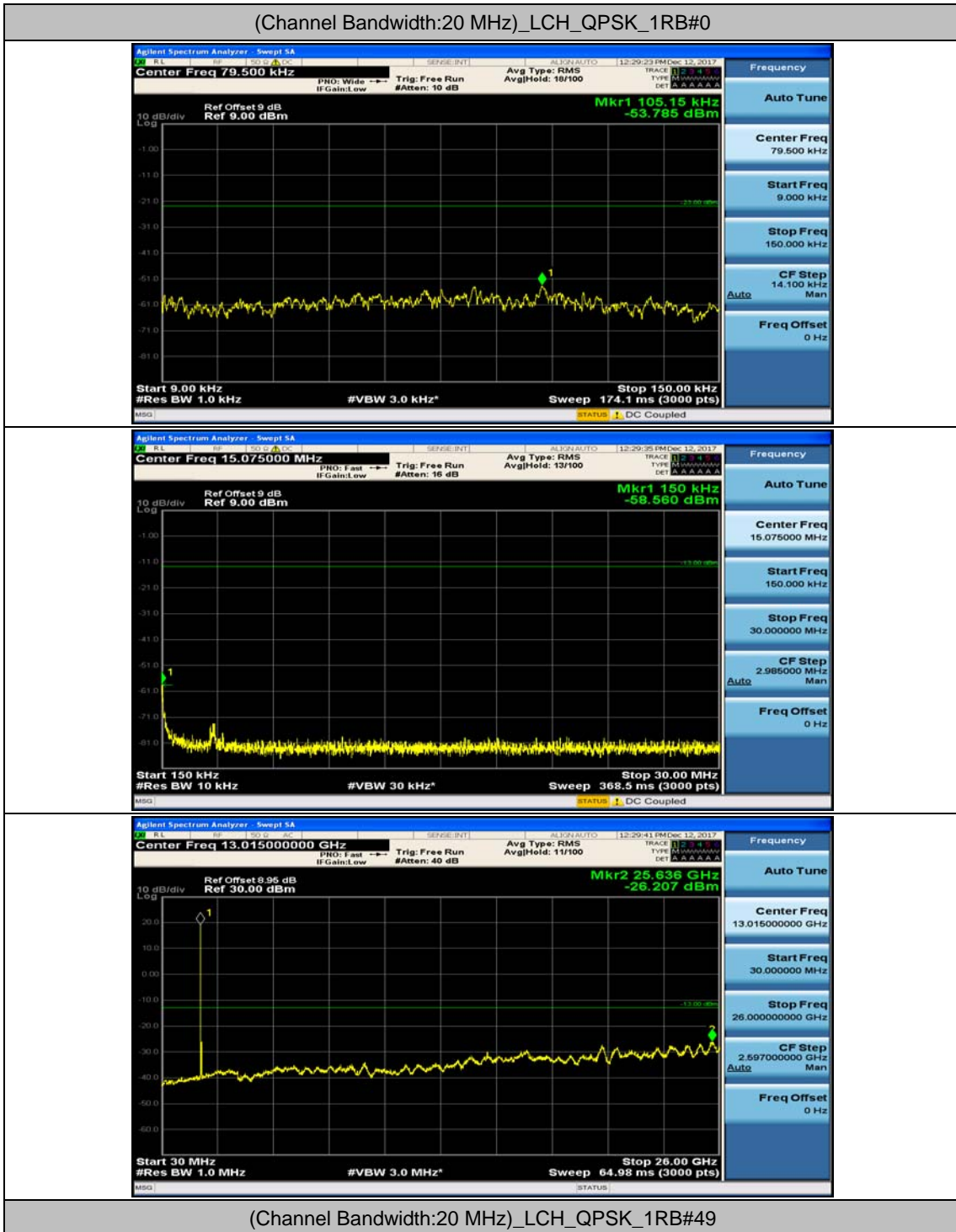


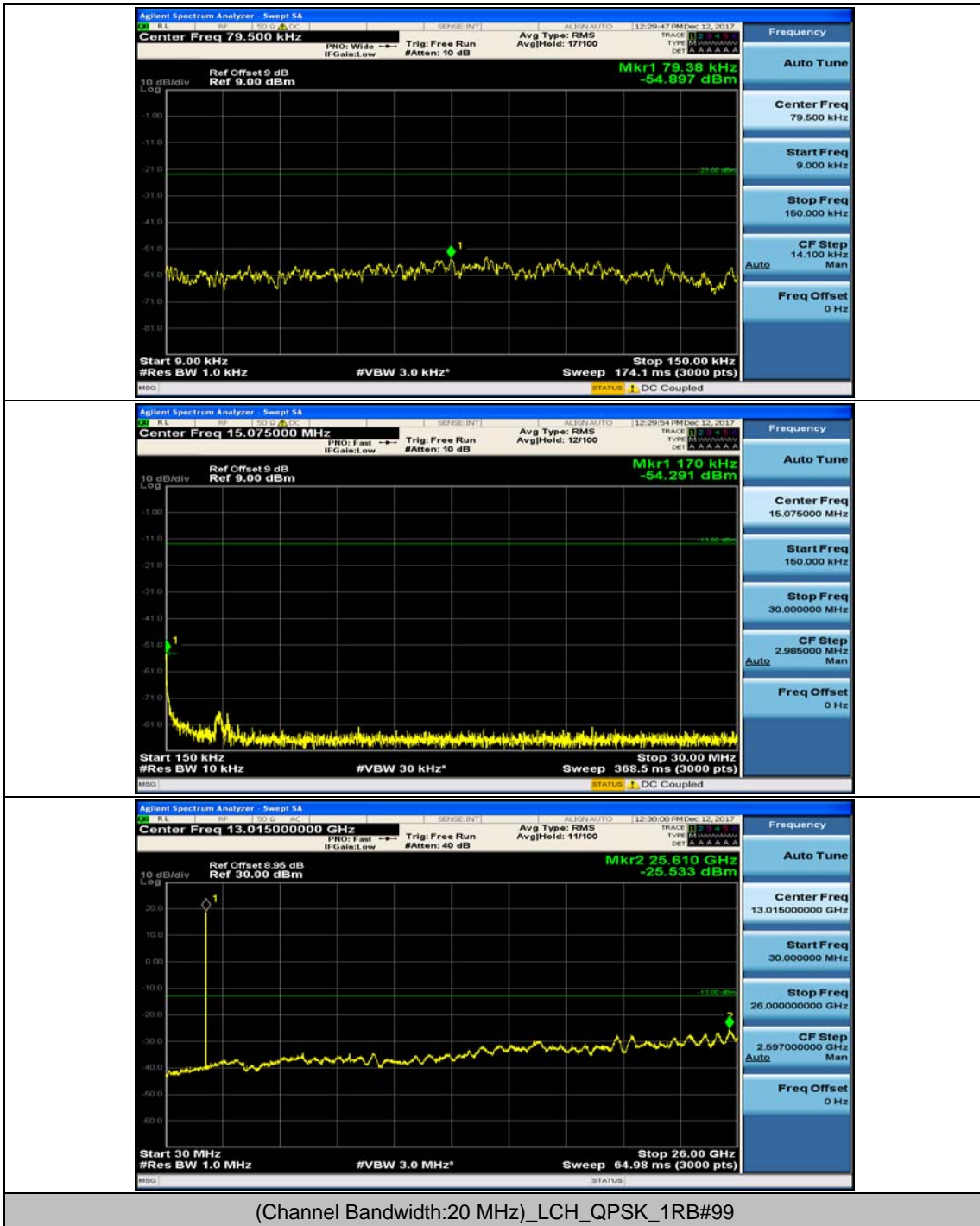
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

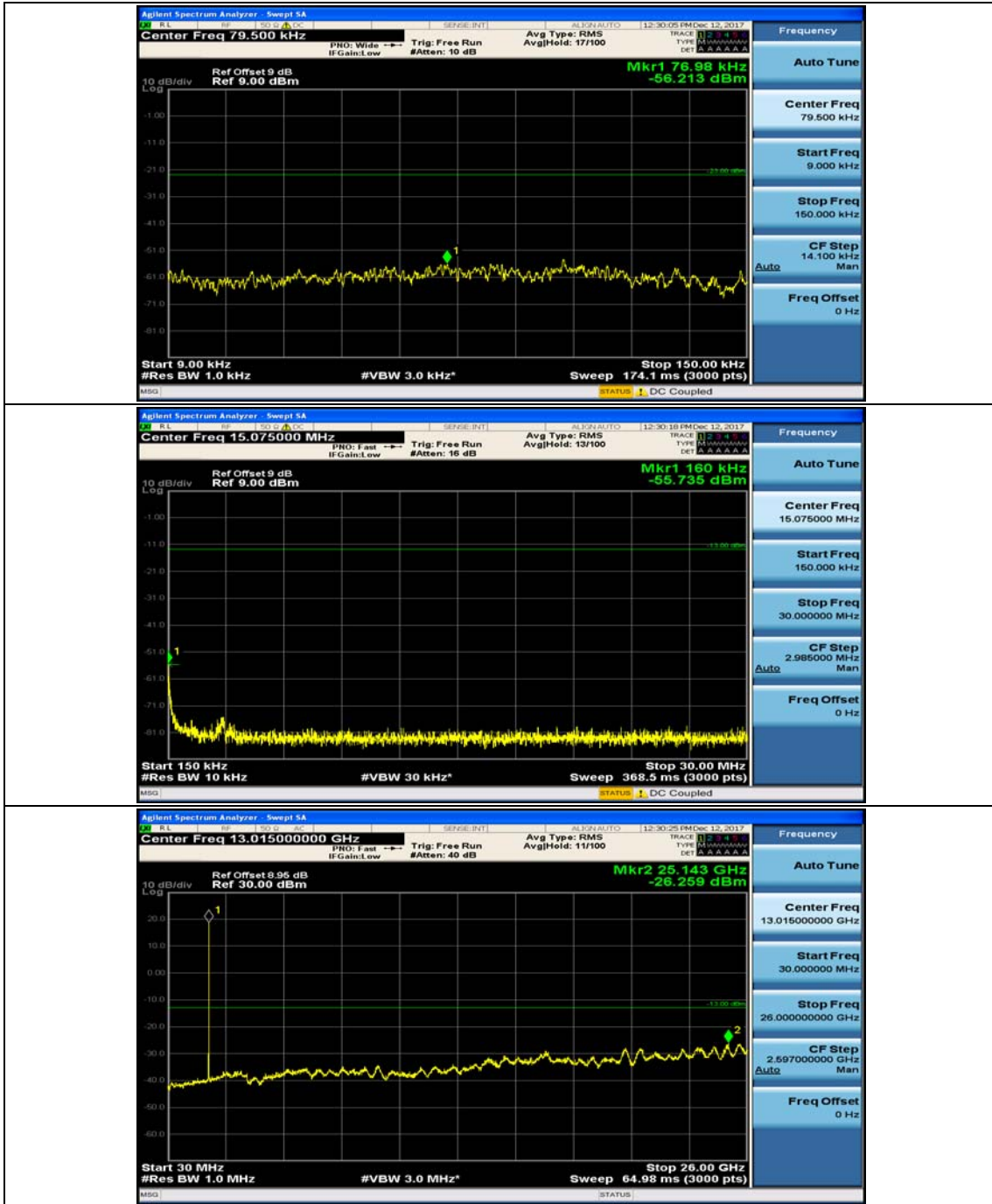




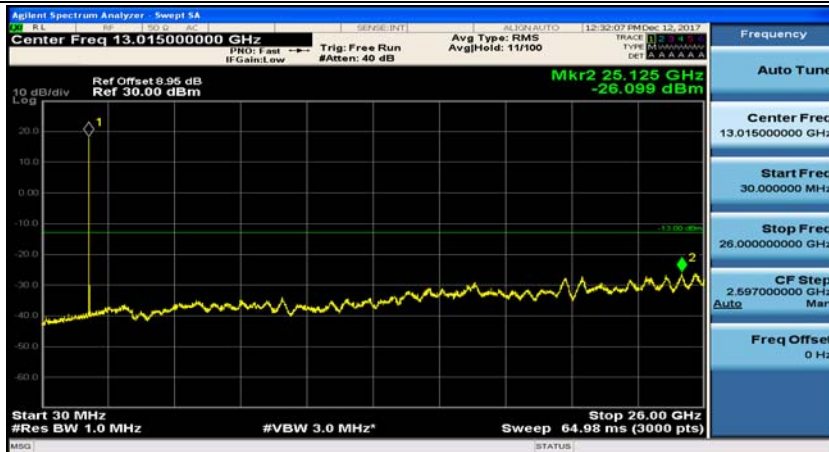
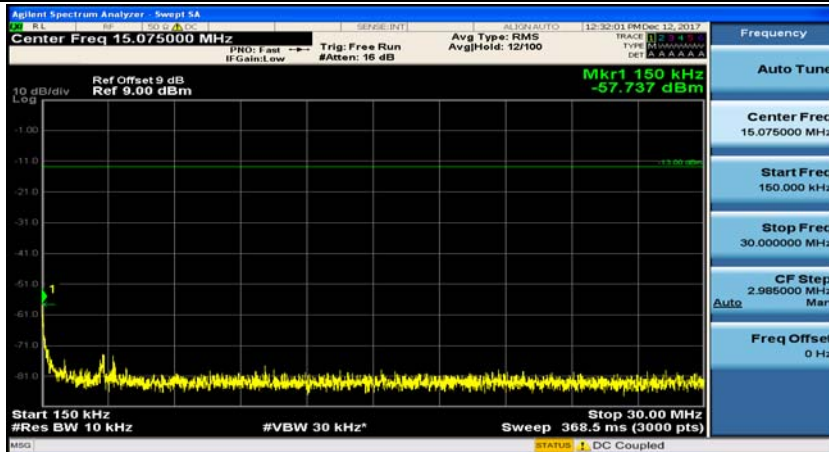
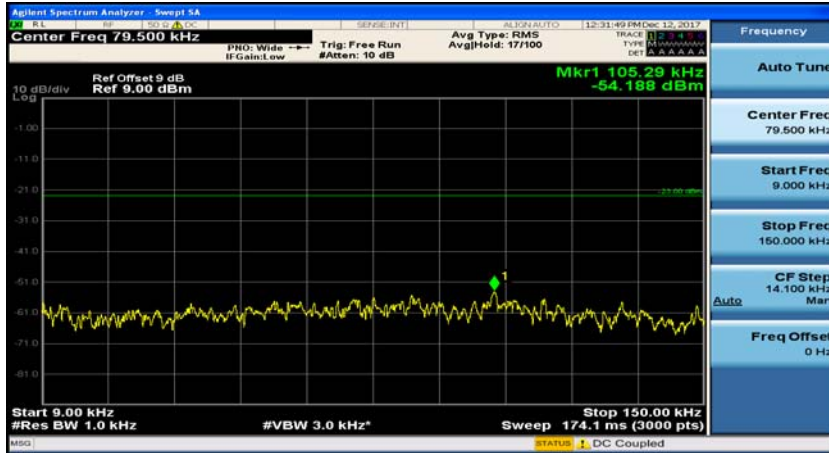
Channel Bandwidth: 20 MHz



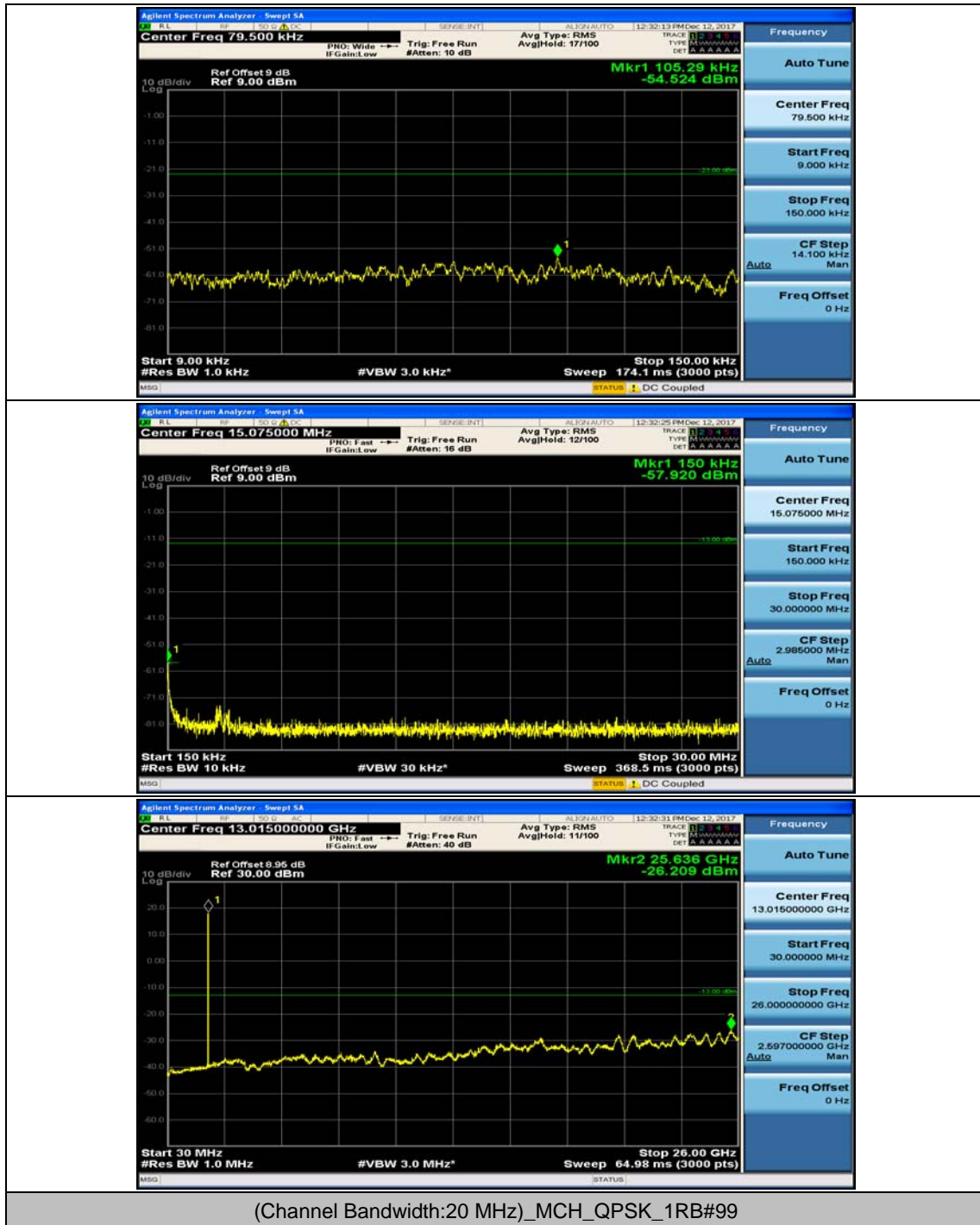


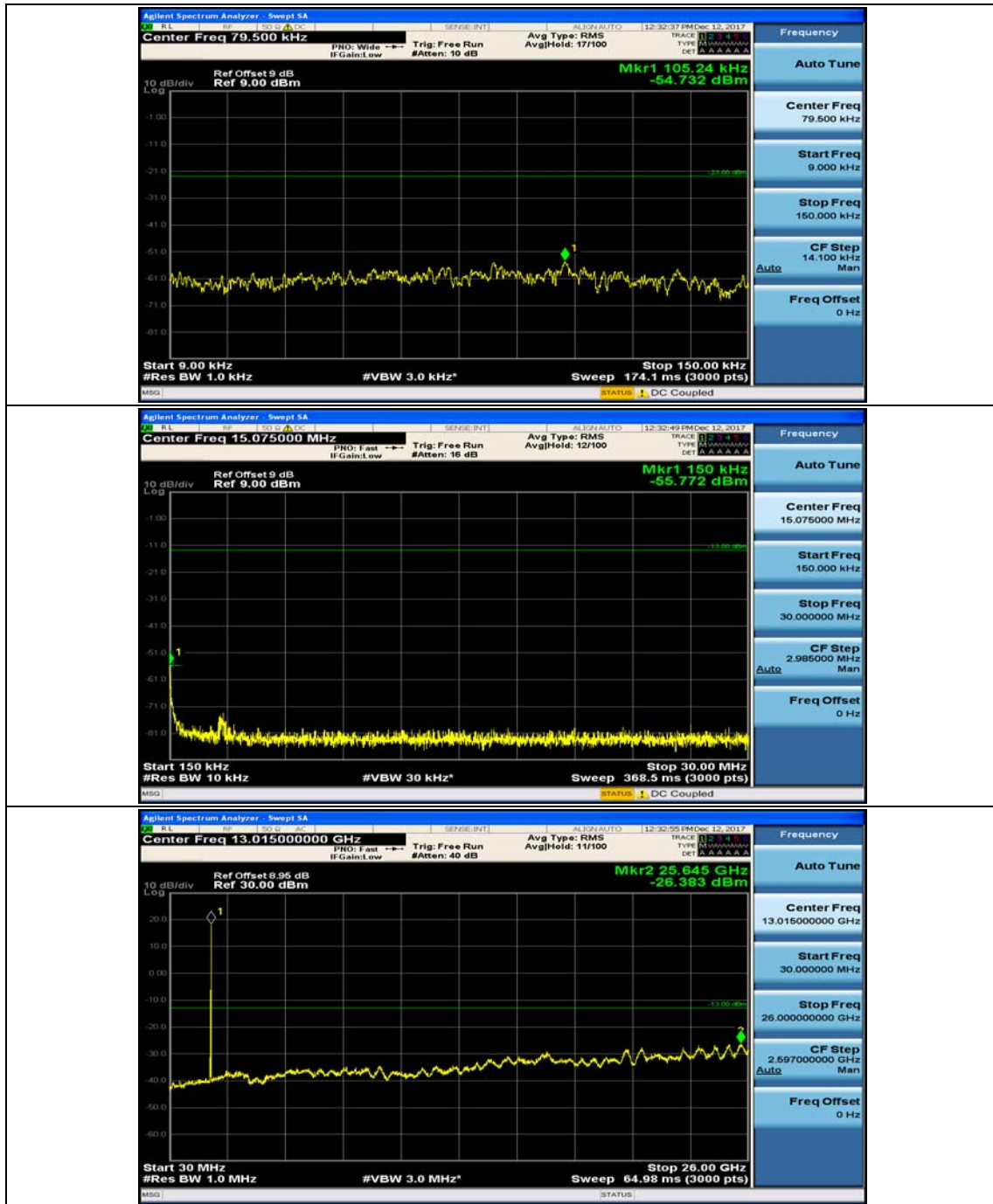


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

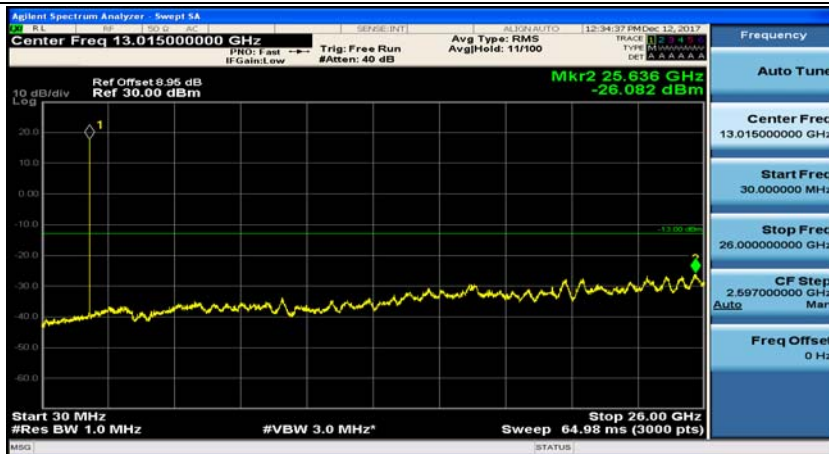
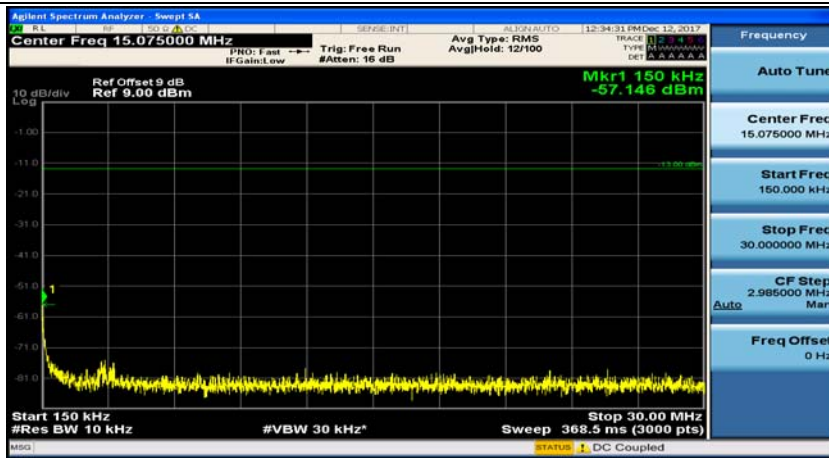


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

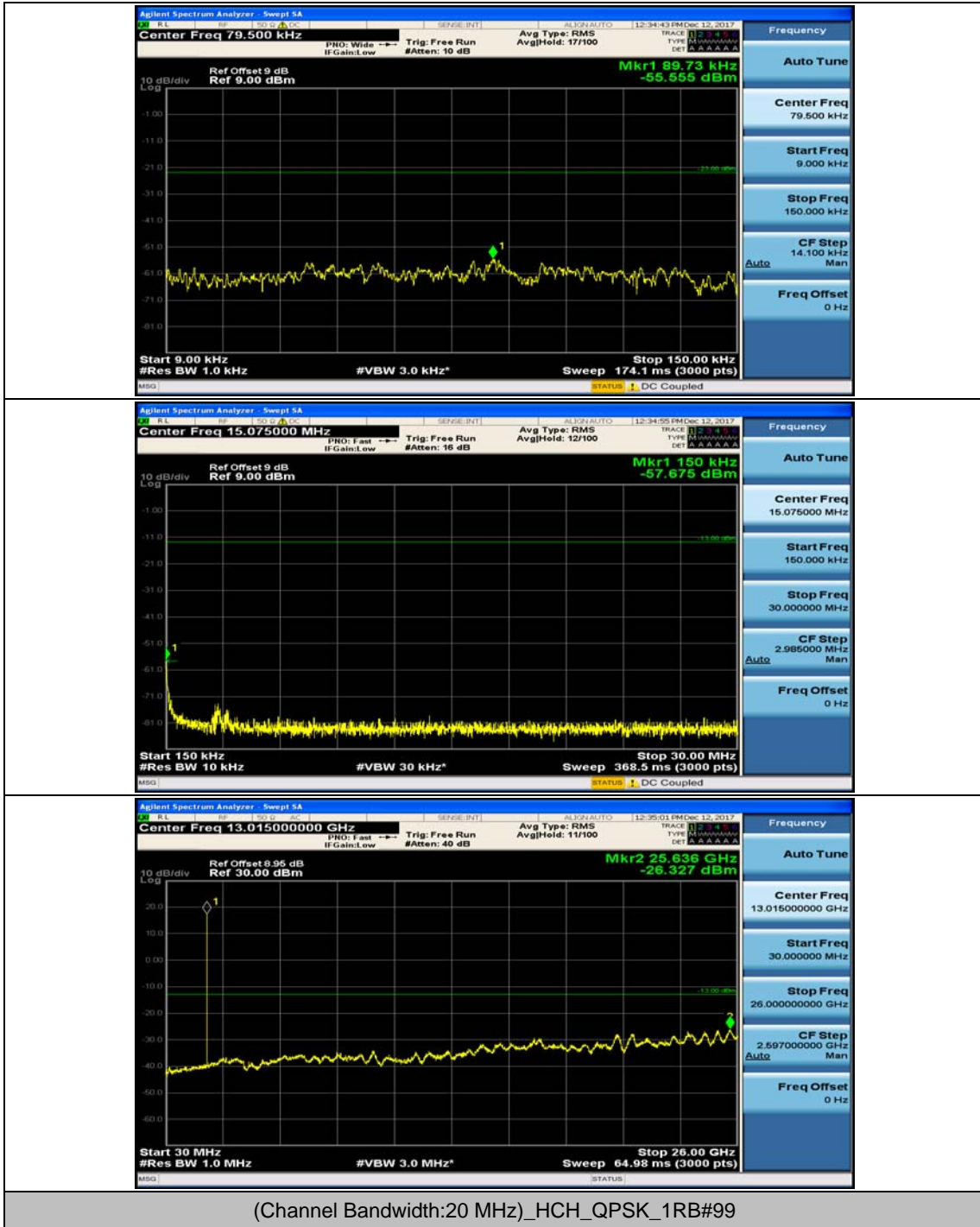


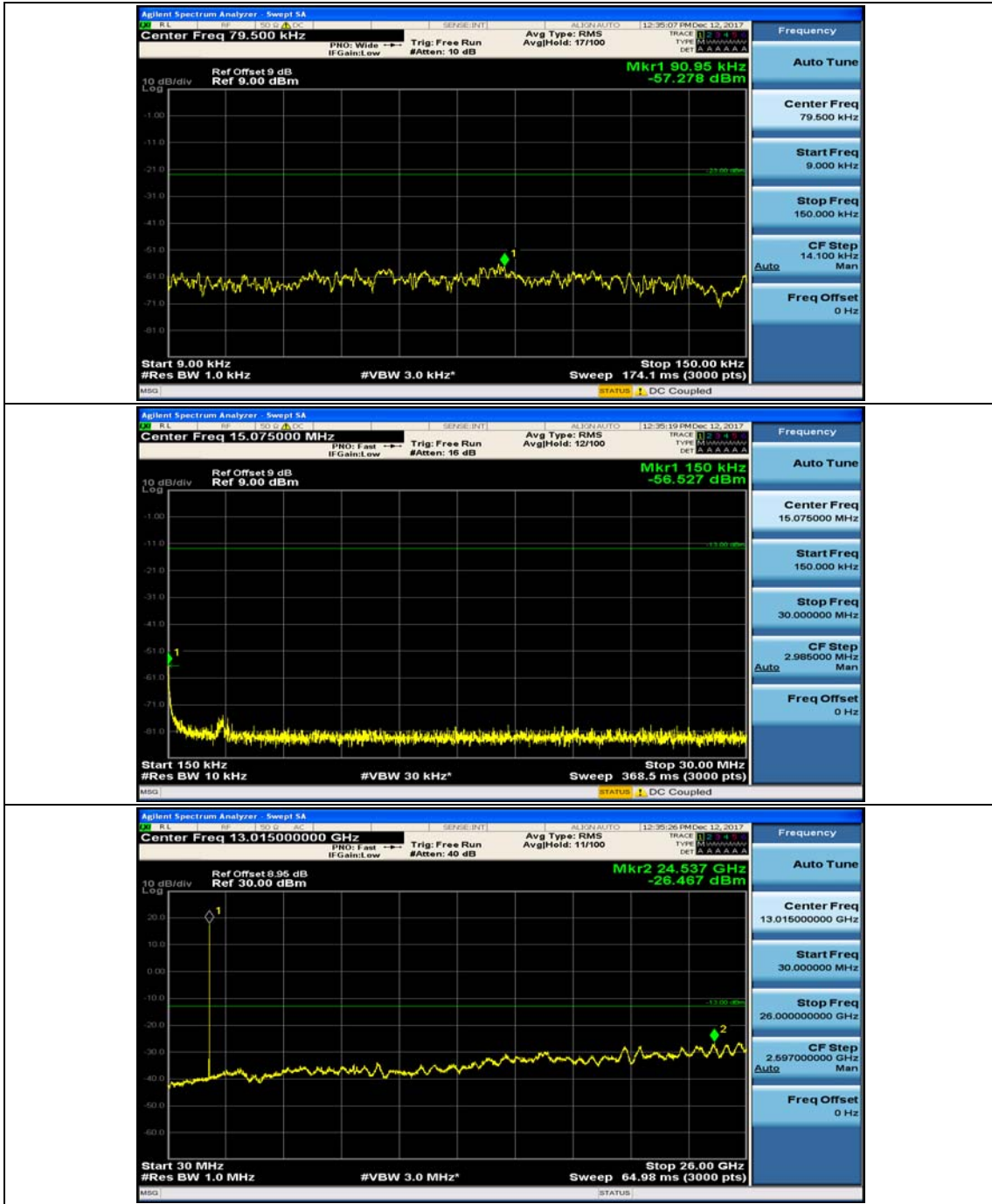


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

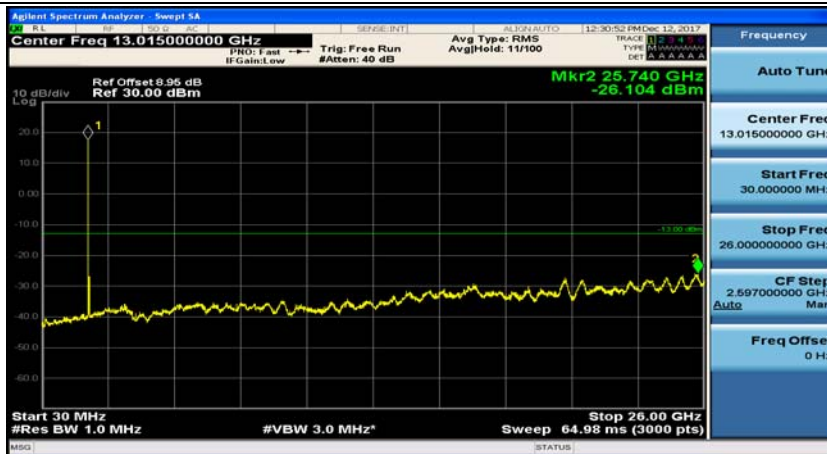
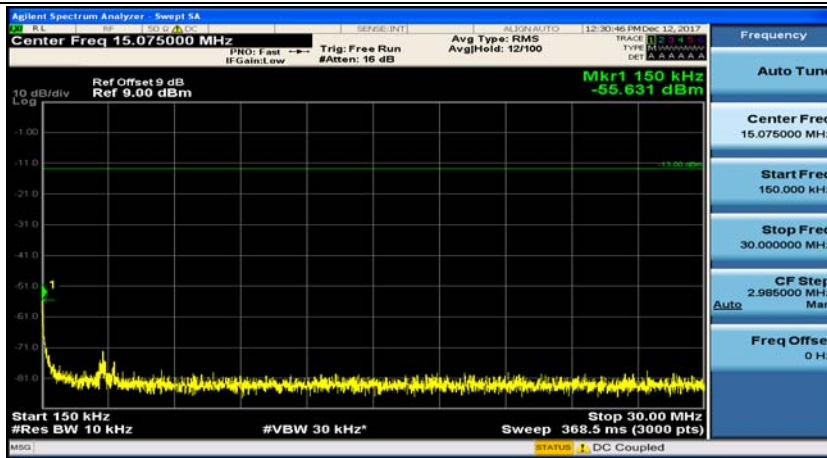
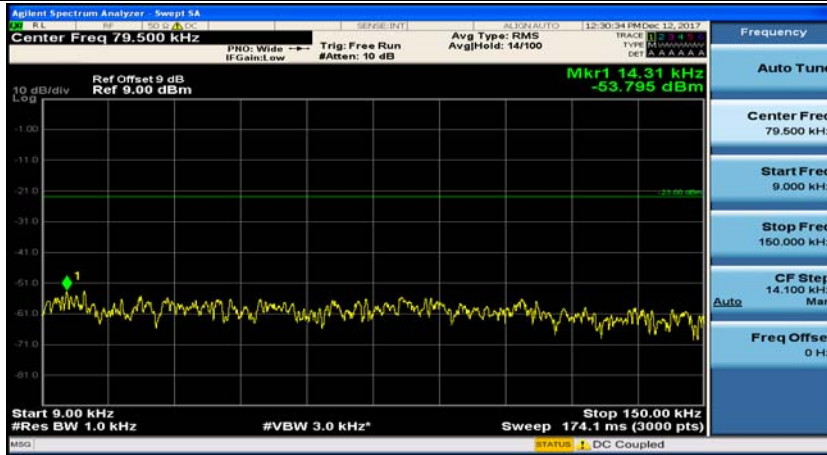


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

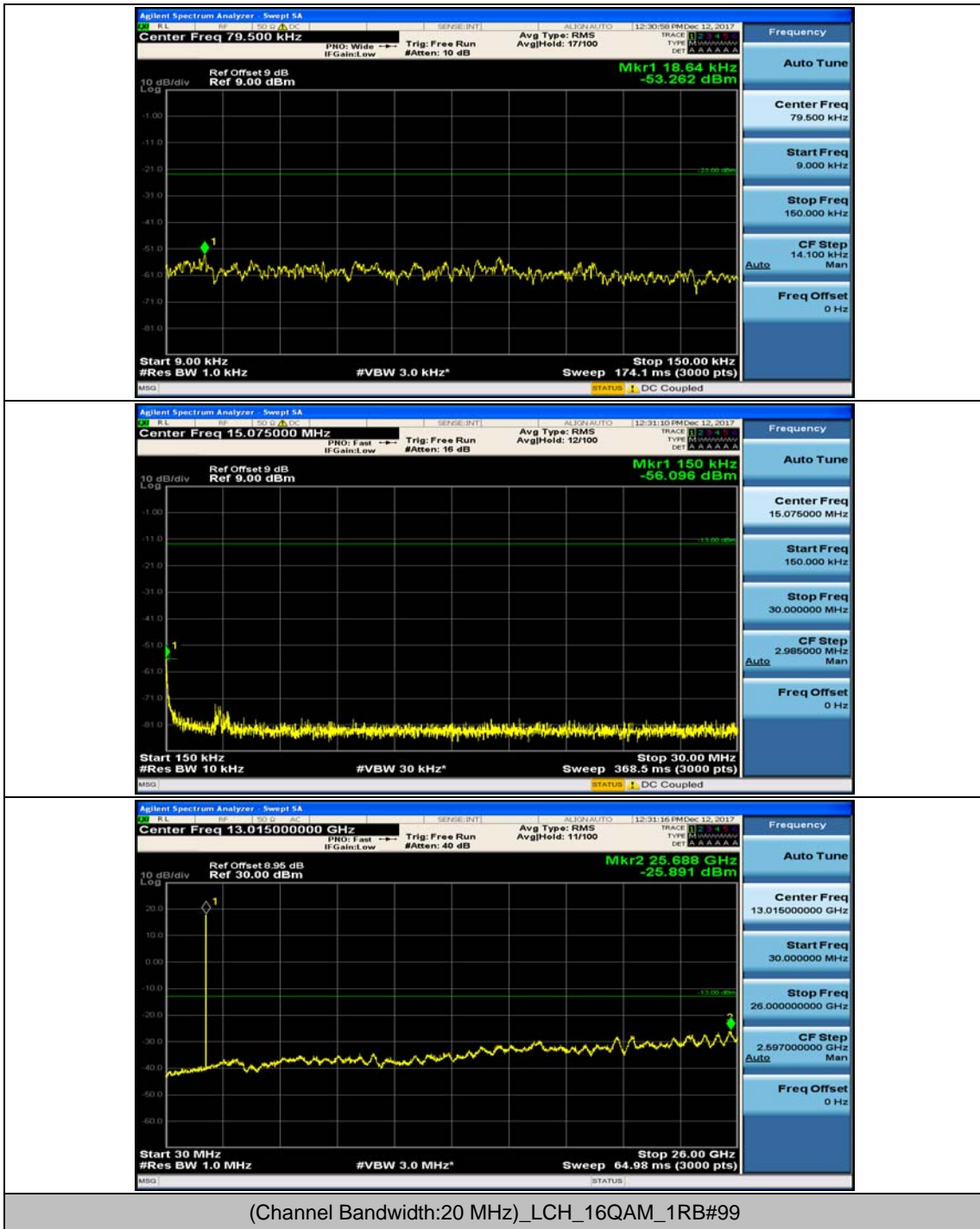


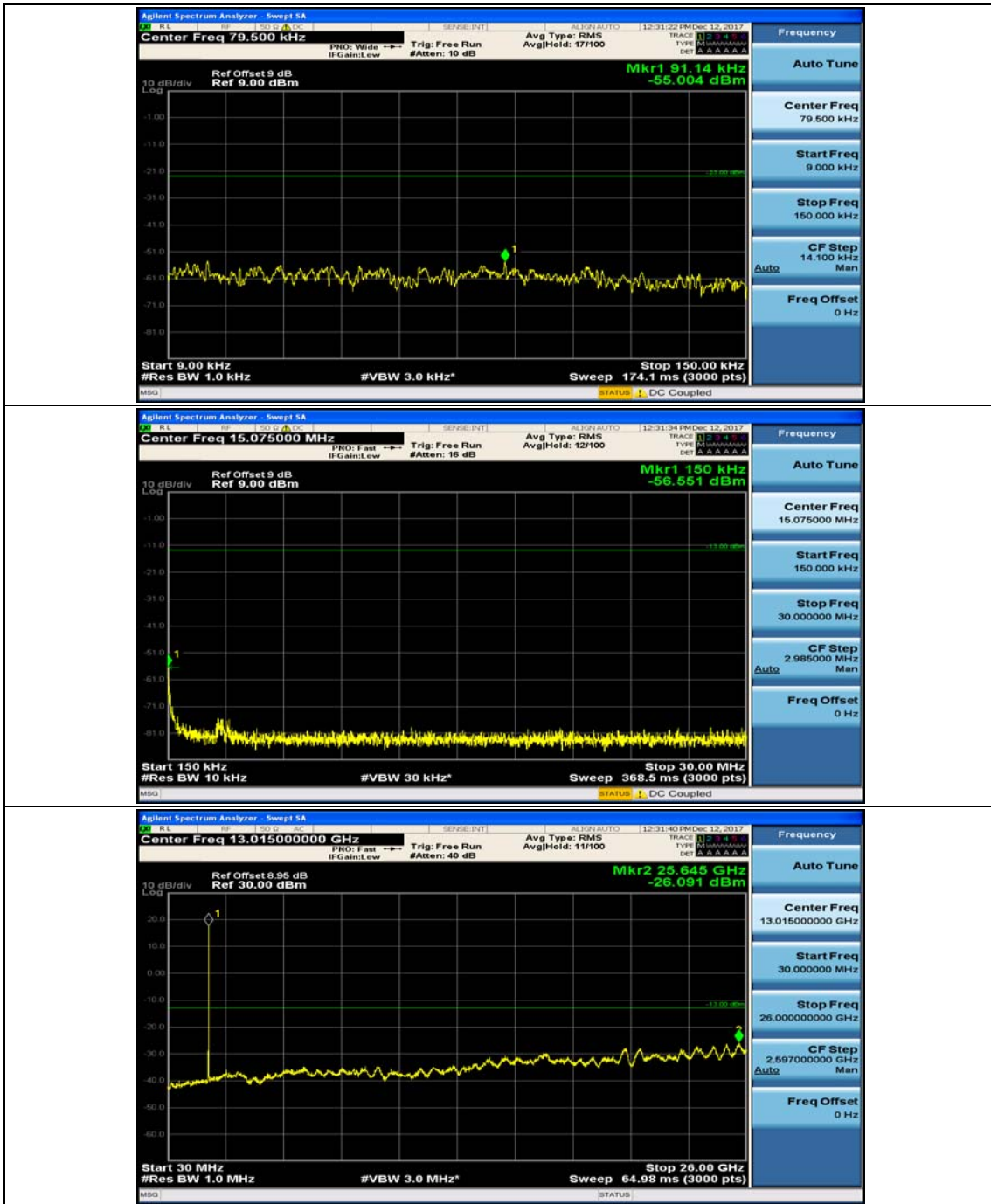


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

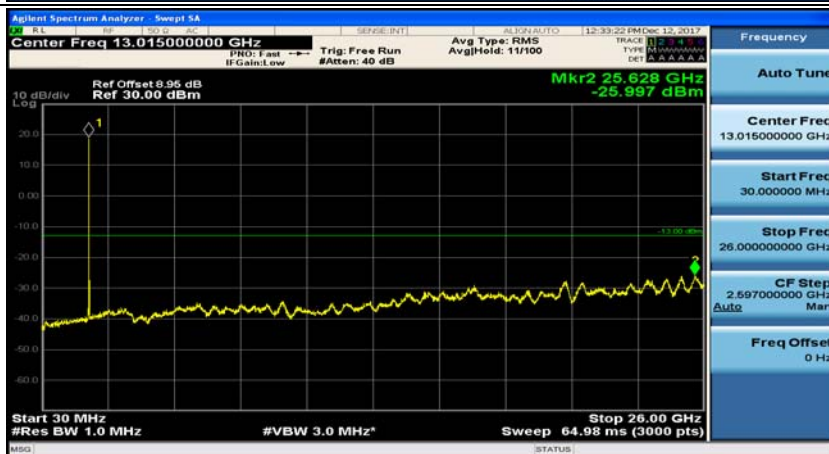
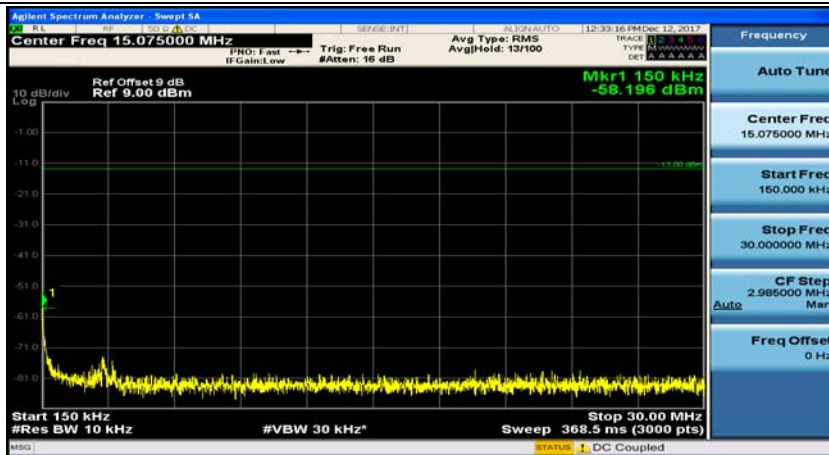
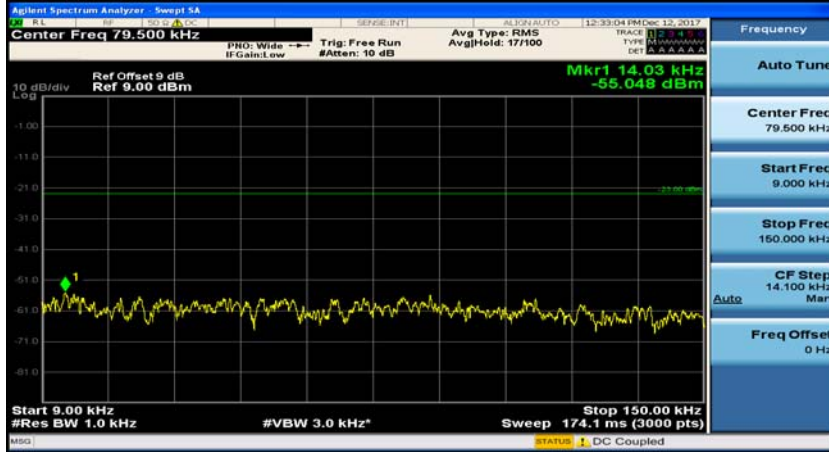


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

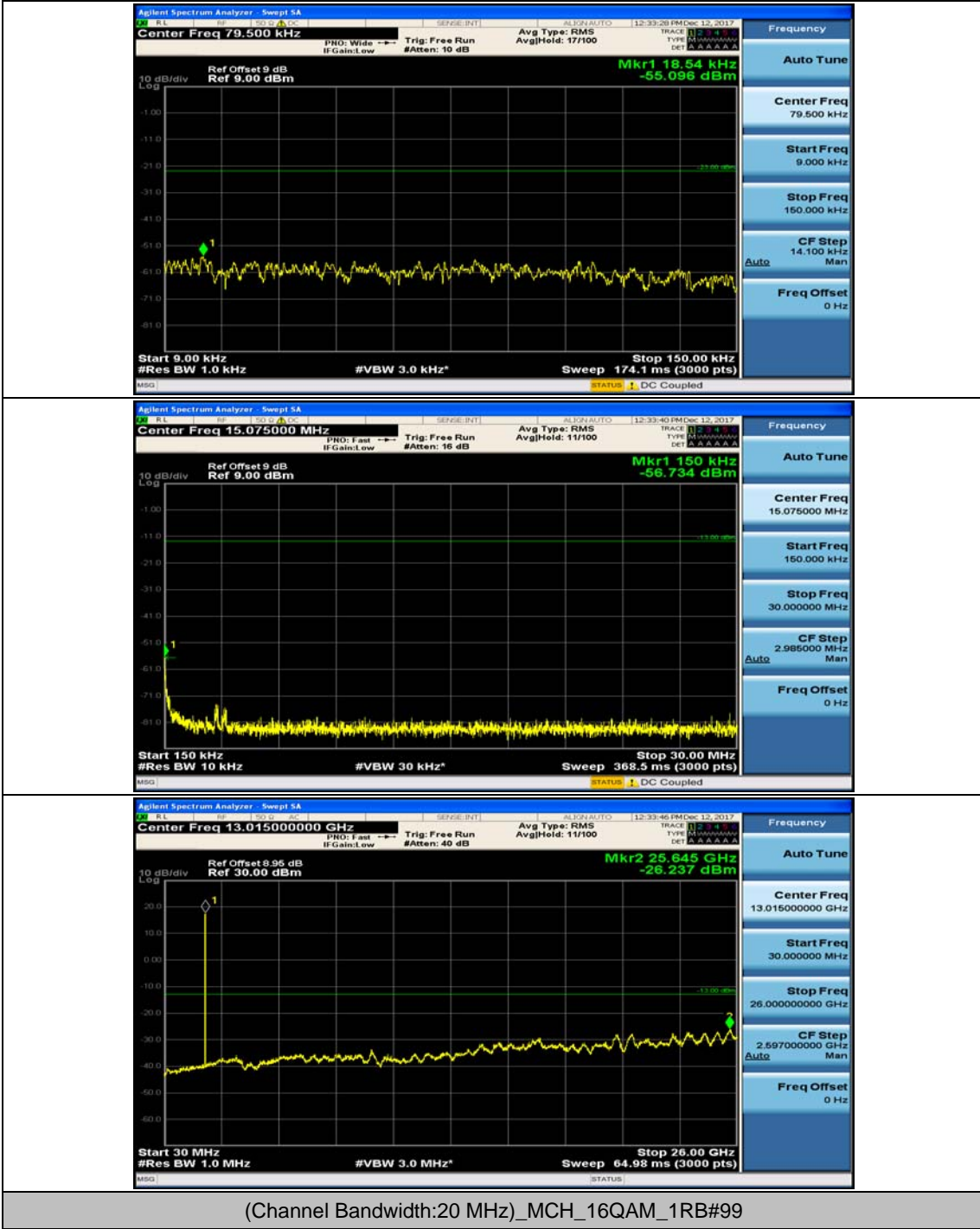


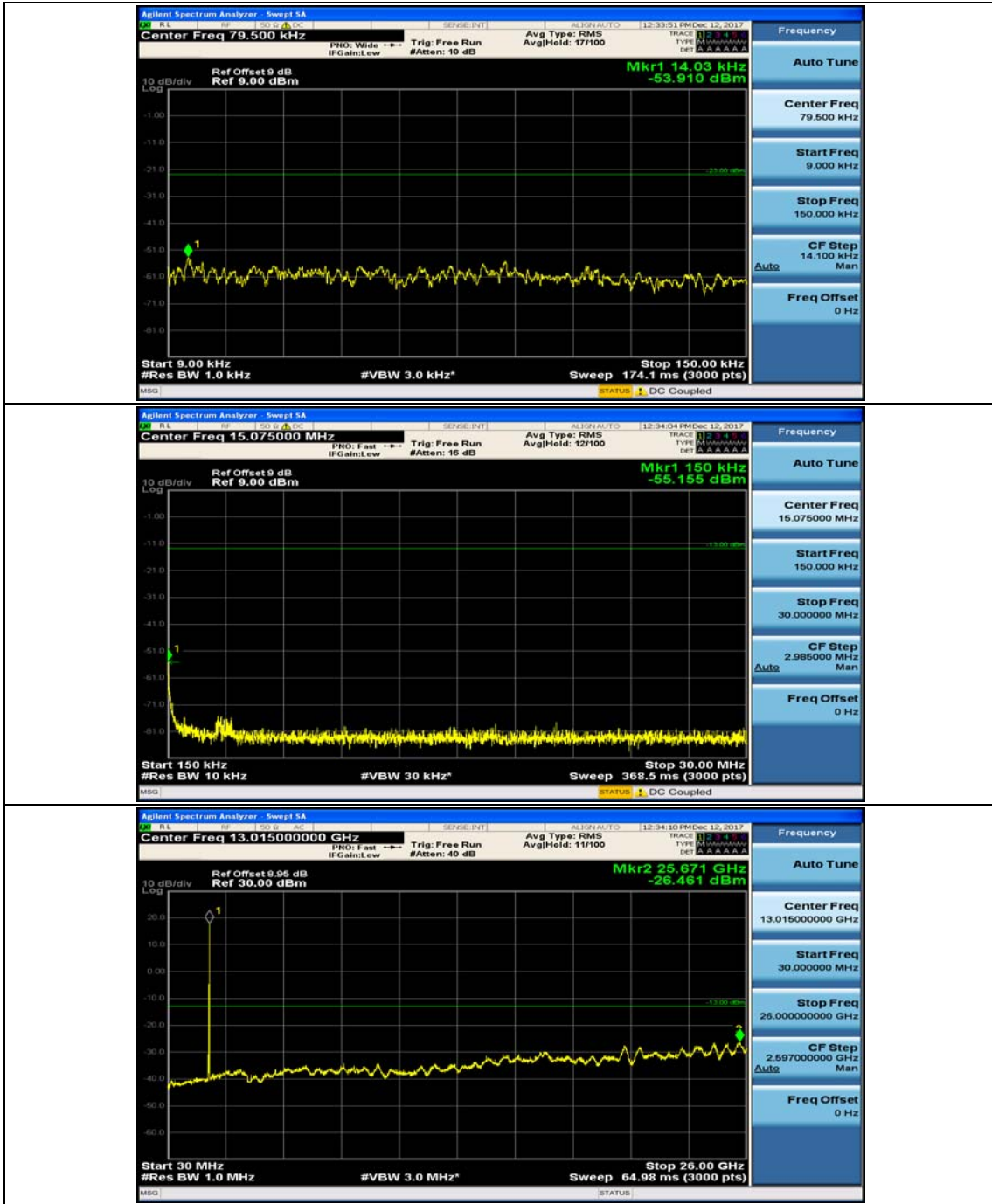


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

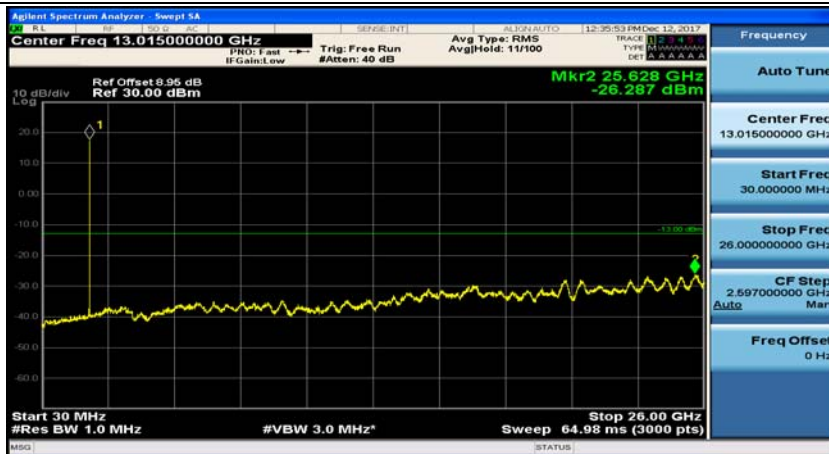
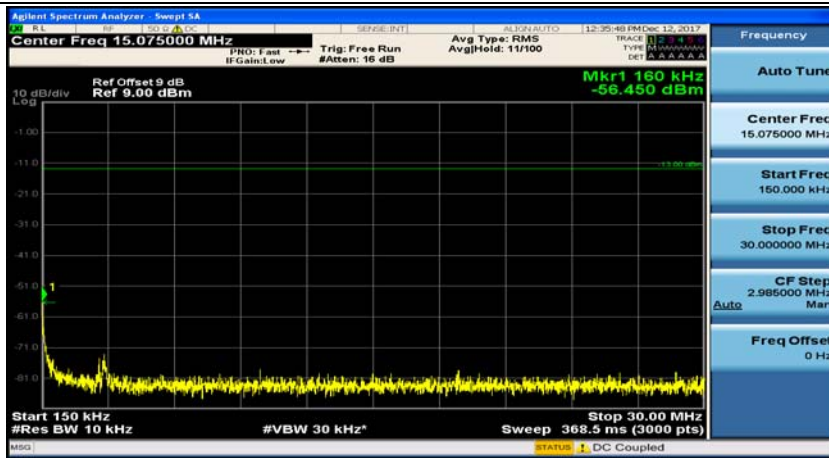
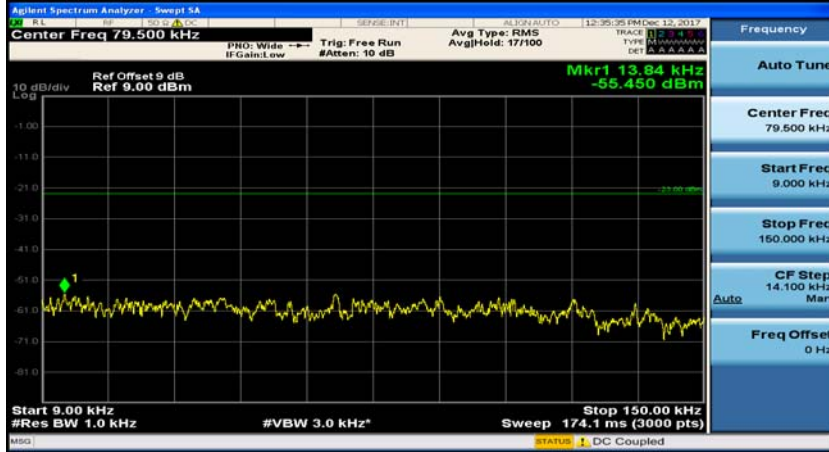


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

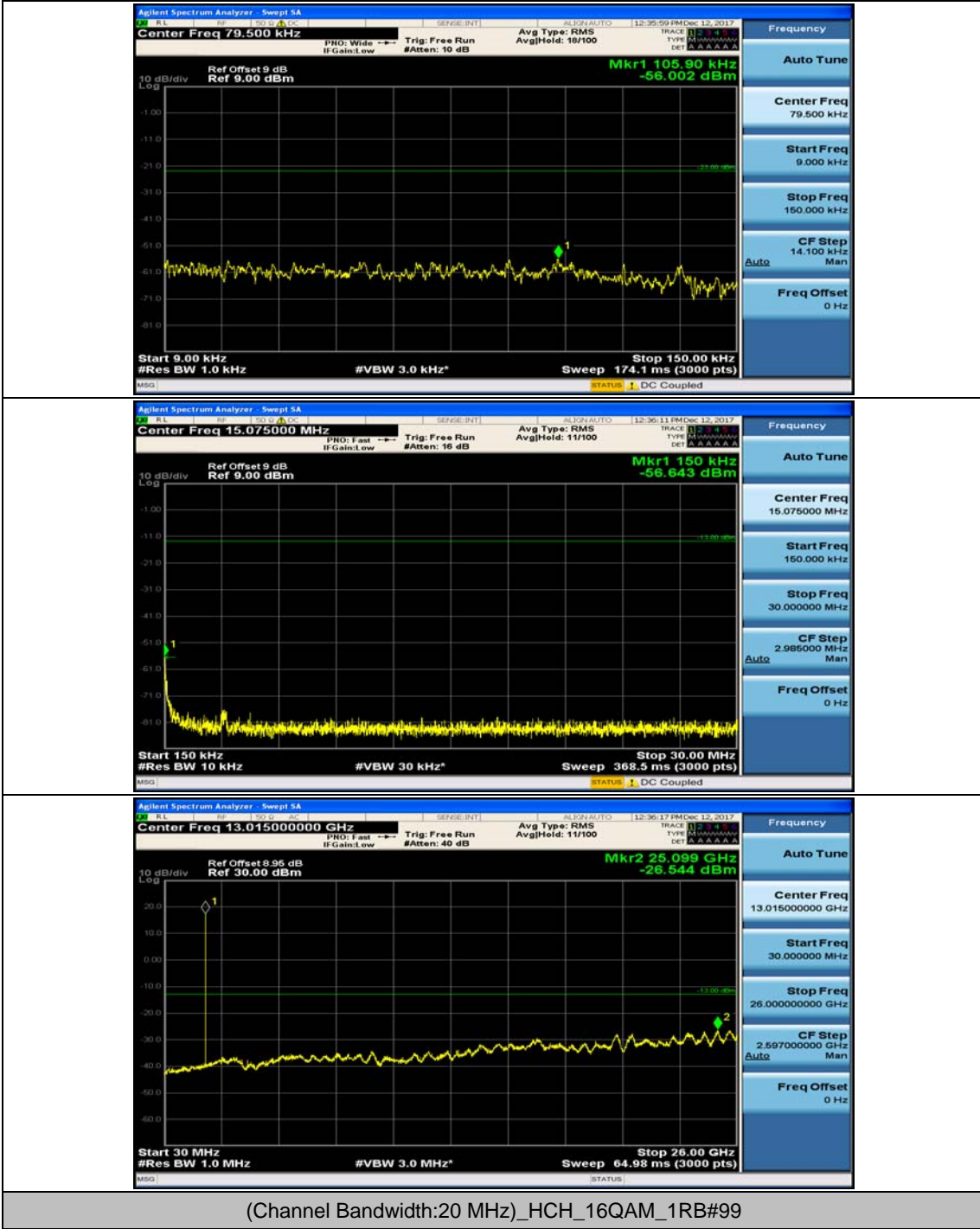


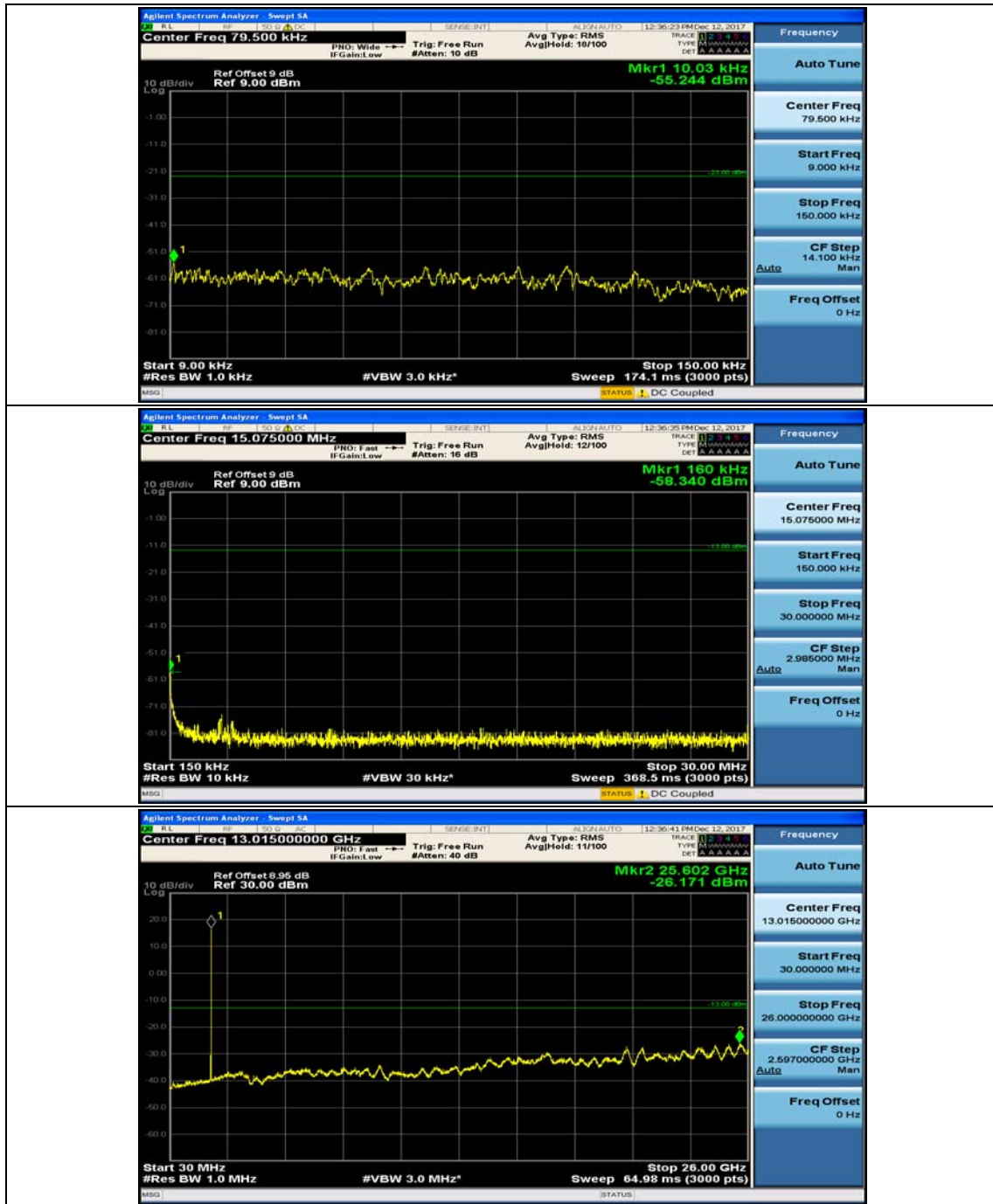


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49





Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.68	0.000367	± 2.5	PASS
		VN	TN	0.58	0.000313	± 2.5	PASS
		VH	TN	3.9	0.002107	± 2.5	PASS
	MCH	VL	TN	0.45	0.000239	± 2.5	PASS
		VN	TN	0.08	0.000043	± 2.5	PASS
		VH	TN	-0.72	-0.000383	± 2.5	PASS
	HCH	VL	TN	1.16	0.000608	± 2.5	PASS
		VN	TN	-1.85	-0.000969	± 2.5	PASS
		VH	TN	1.05	0.000550	± 2.5	PASS
16QAM	LCH	VL	TN	4.77	0.002577	± 2.5	PASS
		VN	TN	1.13	0.000611	± 2.5	PASS
		VH	TN	4.57	0.002469	± 2.5	PASS
	MCH	VL	TN	4.7	0.002500	± 2.5	PASS
		VN	TN	2.82	0.001500	± 2.5	PASS
		VH	TN	4.85	0.002580	± 2.5	PASS
	HCH	VL	TN	0.71	0.000372	± 2.5	PASS
		VN	TN	1.62	0.000848	± 2.5	PASS
		VH	TN	5	0.002619	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.03	-0.000016	± 2.5	PASS
		VN	-20	3.72	0.002010	± 2.5	PASS
		VN	-10	0.41	0.000222	± 2.5	PASS
		VN	0	0.22	0.000119	± 2.5	PASS
		VN	10	-1.48	-0.000800	± 2.5	PASS
		VN	20	-1.22	-0.000659	± 2.5	PASS
		VN	30	-1.96	-0.001059	± 2.5	PASS
		VN	40	-1.44	-0.000778	± 2.5	PASS
	MCH	VN	-30	1.19	0.000633	± 2.5	PASS
		VN	-20	0.6	0.000319	± 2.5	PASS

		VN	-10	-1	-0.000532	± 2.5	PASS	
		VN	0	2.58	0.001372	± 2.5	PASS	
		VN	10	-1.64	-0.000872	± 2.5	PASS	
		VN	20	0.28	0.000149	± 2.5	PASS	
		VN	30	3.5	0.001862	± 2.5	PASS	
		VN	40	4.33	0.002303	± 2.5	PASS	
		VN	50	3.72	0.001979	± 2.5	PASS	
	HCH	VN	-30	4.01	0.002100	± 2.5	PASS	
		VN	-20	2.7	0.001414	± 2.5	PASS	
		VN	-10	1.15	0.000602	± 2.5	PASS	
		VN	0	-1.73	-0.000906	± 2.5	PASS	
		VN	10	2.29	0.001199	± 2.5	PASS	
		VN	20	2.89	0.001514	± 2.5	PASS	
		VN	30	-0.35	-0.000183	± 2.5	PASS	
	16QAM	LCH	VN	40	-0.49	-0.000257	± 2.5	PASS
			VN	50	1.8	0.000943	± 2.5	PASS
			VN	-30	1.72	0.000929	± 2.5	PASS
			VN	-20	0.48	0.000259	± 2.5	PASS
VN			-10	1.16	0.000627	± 2.5	PASS	
VN			0	-0.22	-0.000119	± 2.5	PASS	
VN			10	-0.17	-0.000092	± 2.5	PASS	
VN			20	2.06	0.001113	± 2.5	PASS	
VN			30	4.69	0.002534	± 2.5	PASS	
MCH		VN	40	0.11	0.000059	± 2.5	PASS	
		VN	50	-1.97	-0.001064	± 2.5	PASS	
		VN	-30	3.59	0.001910	± 2.5	PASS	
		VN	-20	-1.9	-0.001011	± 2.5	PASS	
		VN	-10	2.67	0.001420	± 2.5	PASS	
		VN	0	-0.32	-0.000170	± 2.5	PASS	
		VN	10	0.91	0.000484	± 2.5	PASS	
		VN	20	3.07	0.001633	± 2.5	PASS	
		VN	30	4.4	0.002340	± 2.5	PASS	
HCH	VN	40	0.74	0.000394	± 2.5	PASS		
	VN	50	-1.16	-0.000617	± 2.5	PASS		
	VN	-30	4.01	0.002100	± 2.5	PASS		
	VN	-20	0.96	0.000503	± 2.5	PASS		
	VN	-10	0.43	0.000225	± 2.5	PASS		
	VN	0	1.86	0.000974	± 2.5	PASS		
	VN	10	1.7	0.000890	± 2.5	PASS		
VN	20	2.08	0.001089	± 2.5	PASS			
VN	30	2.12	0.001110	± 2.5	PASS			

		VN	40	0.73	0.000382	± 2.5	PASS
		VN	50	-1.68	-0.000880	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.92	0.000497	± 2.5	PASS
		VN	TN	4.64	0.002506	± 2.5	PASS
		VH	TN	1.73	0.000934	± 2.5	PASS
	MCH	VL	TN	-0.68	-0.000362	± 2.5	PASS
		VN	TN	3.78	0.002011	± 2.5	PASS
		VH	TN	-0.88	-0.000468	± 2.5	PASS
	HCH	VL	TN	1.71	0.000896	± 2.5	PASS
		VN	TN	0.41	0.000215	± 2.5	PASS
		VH	TN	-0.15	-0.000079	± 2.5	PASS
16QAM	LCH	VL	TN	4.05	0.002187	± 2.5	PASS
		VN	TN	-1.43	-0.000772	± 2.5	PASS
		VH	TN	1.65	0.000891	± 2.5	PASS
	MCH	VL	TN	-1.11	-0.000590	± 2.5	PASS
		VN	TN	4.88	0.002596	± 2.5	PASS
		VH	TN	0.89	0.000473	± 2.5	PASS
	HCH	VL	TN	0.81	0.000424	± 2.5	PASS
		VN	TN	-0.79	-0.000414	± 2.5	PASS
		VH	TN	2.72	0.001425	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.96	0.001059	± 2.5	PASS
		VN	-20	0.26	0.000140	± 2.5	PASS
		VN	-10	1.82	0.000983	± 2.5	PASS
		VN	0	-0.53	-0.000286	± 2.5	PASS
		VN	10	0.11	0.000059	± 2.5	PASS
		VN	20	1	0.000540	± 2.5	PASS
		VN	30	4.3	0.002322	± 2.5	PASS
		VN	40	1.89	0.001021	± 2.5	PASS
		VN	50	1.24	0.000670	± 2.5	PASS
	MCH	VN	-30	-1.56	-0.000830	± 2.5	PASS
		VN	-20	-0.08	-0.000043	± 2.5	PASS
		VN	-10	2.97	0.001580	± 2.5	PASS

		VN	0	0.27	0.000144	± 2.5	PASS		
		VN	10	4.64	0.002468	± 2.5	PASS		
		VN	20	0.3	0.000160	± 2.5	PASS		
		VN	30	-0.45	-0.000239	± 2.5	PASS		
		VN	40	3.23	0.001718	± 2.5	PASS		
		VN	50	-1.89	-0.001005	± 2.5	PASS		
	HCH	VN	-30	3.91	0.002049	± 2.5	PASS		
		VN	-20	4.16	0.002180	± 2.5	PASS		
		VN	-10	-0.02	-0.000010	± 2.5	PASS		
		VN	0	-1.07	-0.000561	± 2.5	PASS		
		VN	10	-0.06	-0.000031	± 2.5	PASS		
		VN	20	-0.55	-0.000288	± 2.5	PASS		
		VN	30	2	0.001048	± 2.5	PASS		
		VN	40	-0.85	-0.000445	± 2.5	PASS		
		VN	50	-1.95	-0.001022	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.91	-0.000491	± 2.5	PASS
				VN	-20	3.93	0.002123	± 2.5	PASS
				VN	-10	2.34	0.001264	± 2.5	PASS
VN	0			2.57	0.001388	± 2.5	PASS		
VN	10			-0.93	-0.000502	± 2.5	PASS		
VN	20			0.21	0.000113	± 2.5	PASS		
VN	30			1.35	0.000729	± 2.5	PASS		
VN	40			0.95	0.000513	± 2.5	PASS		
VN	50			0.53	0.000286	± 2.5	PASS		
MCH	VN		-30	2.05	0.001090	± 2.5	PASS		
	VN		-20	0.24	0.000128	± 2.5	PASS		
	VN		-10	1.65	0.000878	± 2.5	PASS		
	VN		0	-0.3	-0.000160	± 2.5	PASS		
	VN		10	1.53	0.000814	± 2.5	PASS		
	VN		20	-1.13	-0.000601	± 2.5	PASS		
	VN		30	-1	-0.000532	± 2.5	PASS		
	VN		40	0.3	0.000160	± 2.5	PASS		
	VN		50	-1.76	-0.000936	± 2.5	PASS		
HCH	VN		-30	-0.52	-0.000272	± 2.5	PASS		
	VN		-20	1.91	0.001001	± 2.5	PASS		
	VN		-10	2.7	0.001415	± 2.5	PASS		
	VN		0	0.72	0.000377	± 2.5	PASS		
	VN		10	4.17	0.002185	± 2.5	PASS		
	VN		20	4.72	0.002473	± 2.5	PASS		
	VN		30	-1.06	-0.000555	± 2.5	PASS		
	VN		40	0.81	0.000424	± 2.5	PASS		

		VN	50	-1.99	-0.001043	± 2.5	PASS
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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	2.2	0.001188	± 2.5	PASS
		VN	TN	0.98	0.000529	± 2.5	PASS
		VH	TN	4.58	0.002472	± 2.5	PASS
	MCH	VL	TN	1.35	0.000718	± 2.5	PASS
		VN	TN	-0.3	-0.000160	± 2.5	PASS
		VH	TN	1.97	0.001048	± 2.5	PASS
	HCH	VL	TN	4.7	0.002464	± 2.5	PASS
		VN	TN	2.32	0.001216	± 2.5	PASS
		VH	TN	1.04	0.000545	± 2.5	PASS
16QAM	LCH	VL	TN	1.98	0.001069	± 2.5	PASS
		VN	TN	3.94	0.002127	± 2.5	PASS
		VH	TN	-1.82	-0.000982	± 2.5	PASS
	MCH	VL	TN	0.96	0.000511	± 2.5	PASS
		VN	TN	1.21	0.000644	± 2.5	PASS
		VH	TN	0.95	0.000505	± 2.5	PASS
	HCH	VL	TN	2.13	0.001117	± 2.5	PASS
		VN	TN	-1.43	-0.000750	± 2.5	PASS
		VH	TN	0.43	0.000225	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.49	0.000804	± 2.5	PASS
		VN	-20	1.27	0.000686	± 2.5	PASS
		VN	-10	-1.66	-0.000896	± 2.5	PASS
		VN	0	3.69	0.001992	± 2.5	PASS
		VN	10	0.97	0.000524	± 2.5	PASS
		VN	20	3.2	0.001727	± 2.5	PASS
		VN	30	-1.78	-0.000961	± 2.5	PASS
		VN	40	4.27	0.002305	± 2.5	PASS
		VN	50	0.27	0.000146	± 2.5	PASS
	MCH	VN	-30	2.59	0.001378	± 2.5	PASS
		VN	-20	-0.16	-0.000085	± 2.5	PASS
		VN	-10	3.43	0.001824	± 2.5	PASS
		VN	0	1.81	0.000963	± 2.5	PASS

		VN	10	2.98	0.001585	± 2.5	PASS
		VN	20	4.4	0.002340	± 2.5	PASS
		VN	30	1.91	0.001016	± 2.5	PASS
		VN	40	-0.31	-0.000165	± 2.5	PASS
		VN	50	4.1	0.002181	± 2.5	PASS
	HCH	VN	-30	1.14	0.000598	± 2.5	PASS
		VN	-20	0.59	0.000309	± 2.5	PASS
		VN	-10	3.54	0.001856	± 2.5	PASS
		VN	0	2.04	0.001069	± 2.5	PASS
		VN	10	1.97	0.001033	± 2.5	PASS
		VN	20	1.65	0.000865	± 2.5	PASS
		VN	30	1.21	0.000634	± 2.5	PASS
		VN	40	4.68	0.002453	± 2.5	PASS
		VN	50	1.02	0.000535	± 2.5	PASS
		16QAM	LCH	VN	-30	3.47	0.001873
VN	-20			2.53	0.001366	± 2.5	PASS
VN	-10			3.08	0.001663	± 2.5	PASS
VN	0			4.09	0.002208	± 2.5	PASS
VN	10			-1.71	-0.000923	± 2.5	PASS
VN	20			-1.8	-0.000972	± 2.5	PASS
VN	30			-1.48	-0.000799	± 2.5	PASS
VN	40			-1.61	-0.000869	± 2.5	PASS
VN	50			3.2	0.001727	± 2.5	PASS
MCH	VN		-30	-0.63	-0.000335	± 2.5	PASS
	VN		-20	0.48	0.000255	± 2.5	PASS
	VN		-10	-0.88	-0.000468	± 2.5	PASS
	VN		0	4.16	0.002213	± 2.5	PASS
	VN		10	-1.22	-0.000649	± 2.5	PASS
	VN		20	0.3	0.000160	± 2.5	PASS
	VN		30	-1.5	-0.000798	± 2.5	PASS
	VN		40	1.81	0.000963	± 2.5	PASS
	VN		50	-0.97	-0.000516	± 2.5	PASS
HCH	VN		-30	3.14	0.001646	± 2.5	PASS
	VN		-20	2.01	0.001054	± 2.5	PASS
	VN		-10	1.44	0.000755	± 2.5	PASS
	VN		0	1.8	0.000944	± 2.5	PASS
	VN		10	0.39	0.000204	± 2.5	PASS
	VN		20	-0.14	-0.000073	± 2.5	PASS
	VN		30	1.94	0.001017	± 2.5	PASS
	VN		40	0.23	0.000121	± 2.5	PASS
	VN		50	2.17	0.001138	± 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	4.93	0.002658	± 2.5	PASS
		VN	TN	4.28	0.002307	± 2.5	PASS
		VH	TN	4.98	0.002685	± 2.5	PASS
	MCH	VL	TN	4.19	0.002229	± 2.5	PASS
		VN	TN	3.27	0.001739	± 2.5	PASS
		VH	TN	4.37	0.002324	± 2.5	PASS
	HCH	VL	TN	4.86	0.002551	± 2.5	PASS
		VN	TN	3.61	0.001895	± 2.5	PASS
		VH	TN	3.04	0.001596	± 2.5	PASS
16QAM	LCH	VL	TN	-1.82	-0.000981	± 2.5	PASS
		VN	TN	-0.63	-0.000340	± 2.5	PASS
		VH	TN	1.07	0.000577	± 2.5	PASS
	MCH	VL	TN	0.07	0.000037	± 2.5	PASS
		VN	TN	1.33	0.000707	± 2.5	PASS
		VH	TN	2.41	0.001282	± 2.5	PASS
	HCH	VL	TN	1.68	0.000882	± 2.5	PASS
		VN	TN	-1.99	-0.001045	± 2.5	PASS
		VH	TN	2.95	0.001549	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.51	0.001353	± 2.5	PASS
		VN	-20	1.05	0.000566	± 2.5	PASS
		VN	-10	-1.77	-0.000954	± 2.5	PASS
		VN	0	1.85	0.000997	± 2.5	PASS
		VN	10	-1.66	-0.000895	± 2.5	PASS
		VN	20	1.79	0.000965	± 2.5	PASS
		VN	30	-0.72	-0.000388	± 2.5	PASS
		VN	40	2.38	0.001283	± 2.5	PASS
		VN	50	0.12	0.000065	± 2.5	PASS
	MCH	VN	-30	4.83	0.002569	± 2.5	PASS
		VN	-20	-0.1	-0.000053	± 2.5	PASS
		VN	-10	-0.08	-0.000043	± 2.5	PASS
		VN	0	4.28	0.002277	± 2.5	PASS
		VN	10	1.01	0.000537	± 2.5	PASS
		VN	20	-0.67	-0.000356	± 2.5	PASS

		VN	30	2.59	0.001378	± 2.5	PASS
		VN	40	-0.95	-0.000505	± 2.5	PASS
		VN	50	1.6	0.000851	± 2.5	PASS
	HCH	VN	-30	-1.86	-0.000976	± 2.5	PASS
		VN	-20	1.33	0.000698	± 2.5	PASS
		VN	-10	3.13	0.001643	± 2.5	PASS
		VN	0	2.48	0.001302	± 2.5	PASS
		VN	10	2.55	0.001339	± 2.5	PASS
		VN	20	4.14	0.002173	± 2.5	PASS
		VN	30	-1.27	-0.000667	± 2.5	PASS
		VN	40	-0.96	-0.000504	± 2.5	PASS
		VN	50	1.07	0.000562	± 2.5	PASS
16QAM	LCH	VN	-30	2.22	0.001197	± 2.5	PASS
		VN	-20	4.69	0.002528	± 2.5	PASS
		VN	-10	-1.59	-0.000857	± 2.5	PASS
		VN	0	2	0.001078	± 2.5	PASS
		VN	10	-0.42	-0.000226	± 2.5	PASS
		VN	20	3.29	0.001774	± 2.5	PASS
		VN	30	-0.6	-0.000323	± 2.5	PASS
		VN	40	2.4	0.001294	± 2.5	PASS
		VN	50	4.55	0.002453	± 2.5	PASS
	MCH	VN	-30	4.87	0.002590	± 2.5	PASS
		VN	-20	0.5	0.000266	± 2.5	PASS
		VN	-10	0.19	0.000101	± 2.5	PASS
		VN	0	1.92	0.001021	± 2.5	PASS
		VN	10	3.32	0.001766	± 2.5	PASS
		VN	20	4.23	0.002250	± 2.5	PASS
		VN	30	4.48	0.002383	± 2.5	PASS
		VN	40	-0.14	-0.000074	± 2.5	PASS
		VN	50	3.26	0.001734	± 2.5	PASS
	HCH	VN	-30	0.36	0.000189	± 2.5	PASS
		VN	-20	0.89	0.000467	± 2.5	PASS
		VN	-10	4.2	0.002205	± 2.5	PASS
		VN	0	3.21	0.001685	± 2.5	PASS
		VN	10	2.88	0.001512	± 2.5	PASS
		VN	20	-0.1	-0.000052	± 2.5	PASS
		VN	30	4.81	0.002525	± 2.5	PASS
		VN	40	4.65	0.002441	± 2.5	PASS
		VN	50	3.27	0.001717	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.97	0.001599	± 2.5	PASS
		VN	TN	1.78	0.000958	± 2.5	PASS
		VH	TN	2.69	0.001448	± 2.5	PASS
	MCH	VL	TN	1.13	0.000601	± 2.5	PASS
		VN	TN	4.02	0.002138	± 2.5	PASS
		VH	TN	4.93	0.002622	± 2.5	PASS
	HCH	VL	TN	2.36	0.001240	± 2.5	PASS
		VN	TN	0.73	0.000384	± 2.5	PASS
		VH	TN	-1.26	-0.000662	± 2.5	PASS
16QAM	LCH	VL	TN	0.44	0.000237	± 2.5	PASS
		VN	TN	0.74	0.000398	± 2.5	PASS
		VH	TN	2.37	0.001276	± 2.5	PASS
	MCH	VL	TN	-1.95	-0.001037	± 2.5	PASS
		VN	TN	2.34	0.001245	± 2.5	PASS
		VH	TN	3.53	0.001878	± 2.5	PASS
	HCH	VL	TN	4.77	0.002507	± 2.5	PASS
		VN	TN	4.93	0.002591	± 2.5	PASS
		VH	TN	0.33	0.000173	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.02	-0.000011	± 2.5	PASS
		VN	-20	4.2	0.002261	± 2.5	PASS
		VN	-10	-1.67	-0.000899	± 2.5	PASS
		VN	0	-1.44	-0.000775	± 2.5	PASS
		VN	10	0.24	0.000129	± 2.5	PASS
		VN	20	4.32	0.002326	± 2.5	PASS
		VN	30	1.49	0.000802	± 2.5	PASS
		VN	40	3.58	0.001927	± 2.5	PASS
		VN	50	-1.97	-0.001061	± 2.5	PASS
	MCH	VN	-30	3.59	0.001910	± 2.5	PASS
		VN	-20	2.93	0.001559	± 2.5	PASS
		VN	-10	2.22	0.001181	± 2.5	PASS
		VN	0	4.5	0.002394	± 2.5	PASS
		VN	10	-1.12	-0.000596	± 2.5	PASS
		VN	20	2.93	0.001559	± 2.5	PASS

		VN	30	-0.27	-0.000144	± 2.5	PASS
		VN	40	-0.43	-0.000229	± 2.5	PASS
		VN	50	4.79	0.002548	± 2.5	PASS
	HCH	VN	-30	1.05	0.000552	± 2.5	PASS
		VN	-20	-1.62	-0.000852	± 2.5	PASS
		VN	-10	3.59	0.001887	± 2.5	PASS
		VN	0	0.98	0.000515	± 2.5	PASS
		VN	10	0.09	0.000047	± 2.5	PASS
		VN	20	-0.7	-0.000368	± 2.5	PASS
		VN	30	4.19	0.002202	± 2.5	PASS
		VN	40	-1.46	-0.000767	± 2.5	PASS
		VN	50	4.64	0.002439	± 2.5	PASS
16QAM	LCH	VN	-30	-0.78	-0.000420	± 2.5	PASS
		VN	-20	4.54	0.002444	± 2.5	PASS
		VN	-10	-1	-0.000538	± 2.5	PASS
		VN	0	3.36	0.001809	± 2.5	PASS
		VN	10	-0.44	-0.000237	± 2.5	PASS
		VN	20	-1.92	-0.001034	± 2.5	PASS
		VN	30	0.52	0.000280	± 2.5	PASS
		VN	40	-0.15	-0.000081	± 2.5	PASS
		VN	50	3.51	0.001890	± 2.5	PASS
	MCH	VN	-30	1.42	0.000755	± 2.5	PASS
		VN	-20	3.03	0.001612	± 2.5	PASS
		VN	-10	2.56	0.001362	± 2.5	PASS
		VN	0	2.27	0.001207	± 2.5	PASS
		VN	10	2.67	0.001420	± 2.5	PASS
		VN	20	-0.21	-0.000112	± 2.5	PASS
		VN	30	1.17	0.000622	± 2.5	PASS
		VN	40	4.69	0.002495	± 2.5	PASS
		VN	50	1.88	0.001000	± 2.5	PASS
	HCH	VN	-30	1.74	0.000915	± 2.5	PASS
		VN	-20	-1.99	-0.001046	± 2.5	PASS
		VN	-10	0.23	0.000121	± 2.5	PASS
		VN	0	-0.76	-0.000399	± 2.5	PASS
		VN	10	-1.97	-0.001035	± 2.5	PASS
		VN	20	2.12	0.001114	± 2.5	PASS
		VN	30	3.71	0.001950	± 2.5	PASS
		VN	40	-0.65	-0.000342	± 2.5	PASS
		VN	50	0.75	0.000394	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.4	0.001828	± 2.5	PASS
		VN	TN	2.21	0.001188	± 2.5	PASS
		VH	TN	-1.91	-0.001027	± 2.5	PASS
	MCH	VL	TN	0.91	0.000484	± 2.5	PASS
		VN	TN	-0.08	-0.000043	± 2.5	PASS
		VH	TN	4.51	0.002399	± 2.5	PASS
	HCH	VL	TN	-0.45	-0.000237	± 2.5	PASS
		VN	TN	1.84	0.000968	± 2.5	PASS
		VH	TN	-0.96	-0.000505	± 2.5	PASS
16QAM	LCH	VL	TN	0.33	0.000177	± 2.5	PASS
		VN	TN	-0.79	-0.000425	± 2.5	PASS
		VH	TN	4.17	0.002242	± 2.5	PASS
	MCH	VL	TN	-0.16	-0.000085	± 2.5	PASS
		VN	TN	-0.54	-0.000287	± 2.5	PASS
		VH	TN	0.52	0.000277	± 2.5	PASS
	HCH	VL	TN	-0.14	-0.000074	± 2.5	PASS
		VN	TN	4.09	0.002153	± 2.5	PASS
		VH	TN	4.71	0.002479	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.1	0.001129	± 2.5	PASS
		VN	-20	2.36	0.001269	± 2.5	PASS
		VN	-10	-1.37	-0.000737	± 2.5	PASS
		VN	0	0.45	0.000242	± 2.5	PASS
		VN	10	3.34	0.001796	± 2.5	PASS
		VN	20	-1.98	-0.001065	± 2.5	PASS
		VN	30	1.03	0.000554	± 2.5	PASS
		VN	40	-1.56	-0.000839	± 2.5	PASS
	MCH	VN	50	1.84	0.000989	± 2.5	PASS
		VN	-30	-0.19	-0.000101	± 2.5	PASS
		VN	-20	0.23	0.000122	± 2.5	PASS
		VN	-10	3.44	0.001830	± 2.5	PASS
		VN	0	-1.71	-0.000910	± 2.5	PASS
		VN	10	2.07	0.001101	± 2.5	PASS
VN	20	3.15	0.001676	± 2.5	PASS		

		VN	30	4.43	0.002356	± 2.5	PASS
		VN	40	2.92	0.001553	± 2.5	PASS
		VN	50	1.13	0.000601	± 2.5	PASS
	HCH	VN	-30	2.74	0.001442	± 2.5	PASS
		VN	-20	3.01	0.001584	± 2.5	PASS
		VN	-10	3.99	0.002100	± 2.5	PASS
		VN	0	2.6	0.001368	± 2.5	PASS
		VN	10	-1.29	-0.000679	± 2.5	PASS
		VN	20	0.74	0.000389	± 2.5	PASS
		VN	30	1.33	0.000700	± 2.5	PASS
		VN	40	-0.11	-0.000058	± 2.5	PASS
		VN	50	1.36	0.000716	± 2.5	PASS
16QAM	LCH	VN	-30	0.14	0.000075	± 2.5	PASS
		VN	-20	0.35	0.000188	± 2.5	PASS
		VN	-10	3.03	0.001629	± 2.5	PASS
		VN	0	1.02	0.000548	± 2.5	PASS
		VN	10	-0.3	-0.000161	± 2.5	PASS
		VN	20	-0.25	-0.000134	± 2.5	PASS
		VN	30	1.86	0.001000	± 2.5	PASS
		VN	40	2.76	0.001484	± 2.5	PASS
		VN	50	4.48	0.002409	± 2.5	PASS
	MCH	VN	-30	3.69	0.001963	± 2.5	PASS
		VN	-20	4.86	0.002585	± 2.5	PASS
		VN	-10	1.18	0.000628	± 2.5	PASS
		VN	0	2.4	0.001277	± 2.5	PASS
		VN	10	3.53	0.001878	± 2.5	PASS
		VN	20	0.39	0.000207	± 2.5	PASS
		VN	30	0.65	0.000346	± 2.5	PASS
		VN	40	2.82	0.001500	± 2.5	PASS
		VN	50	-0.48	-0.000255	± 2.5	PASS
	HCH	VN	-30	-0.81	-0.000426	± 2.5	PASS
		VN	-20	0.29	0.000153	± 2.5	PASS
		VN	-10	-0.46	-0.000242	± 2.5	PASS
		VN	0	4.28	0.002253	± 2.5	PASS
		VN	10	1.41	0.000742	± 2.5	PASS
		VN	20	4.05	0.002132	± 2.5	PASS
		VN	30	-1.62	-0.000853	± 2.5	PASS
		VN	40	1.51	0.000795	± 2.5	PASS
		VN	50	3.99	0.002100	± 2.5	PASS