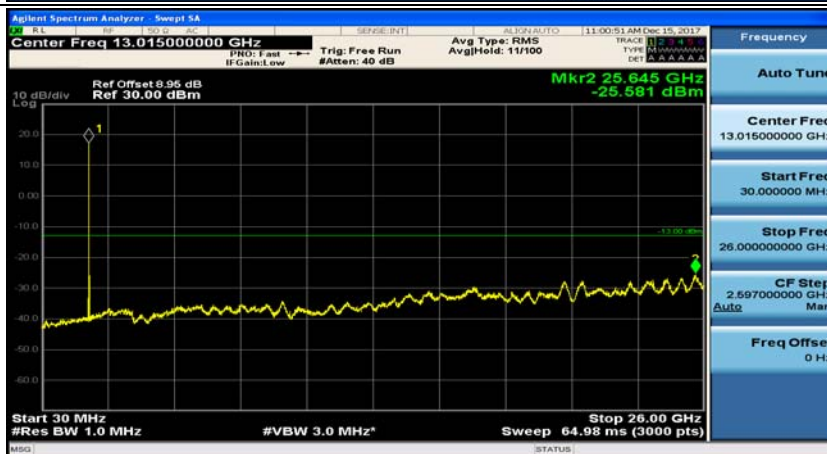
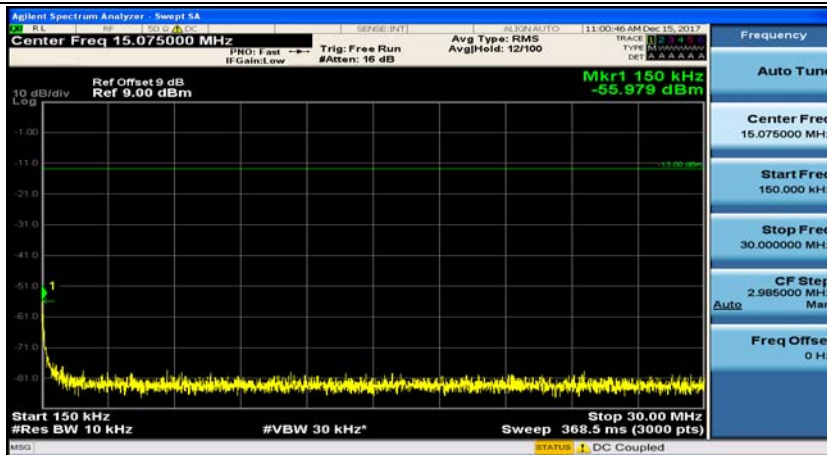
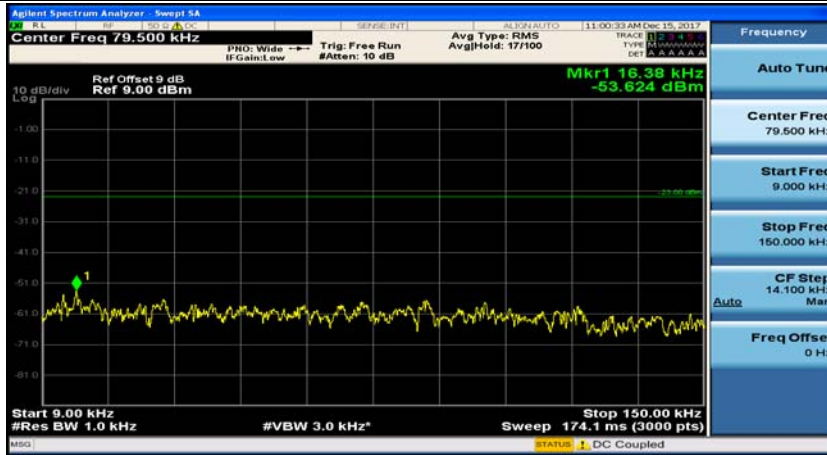
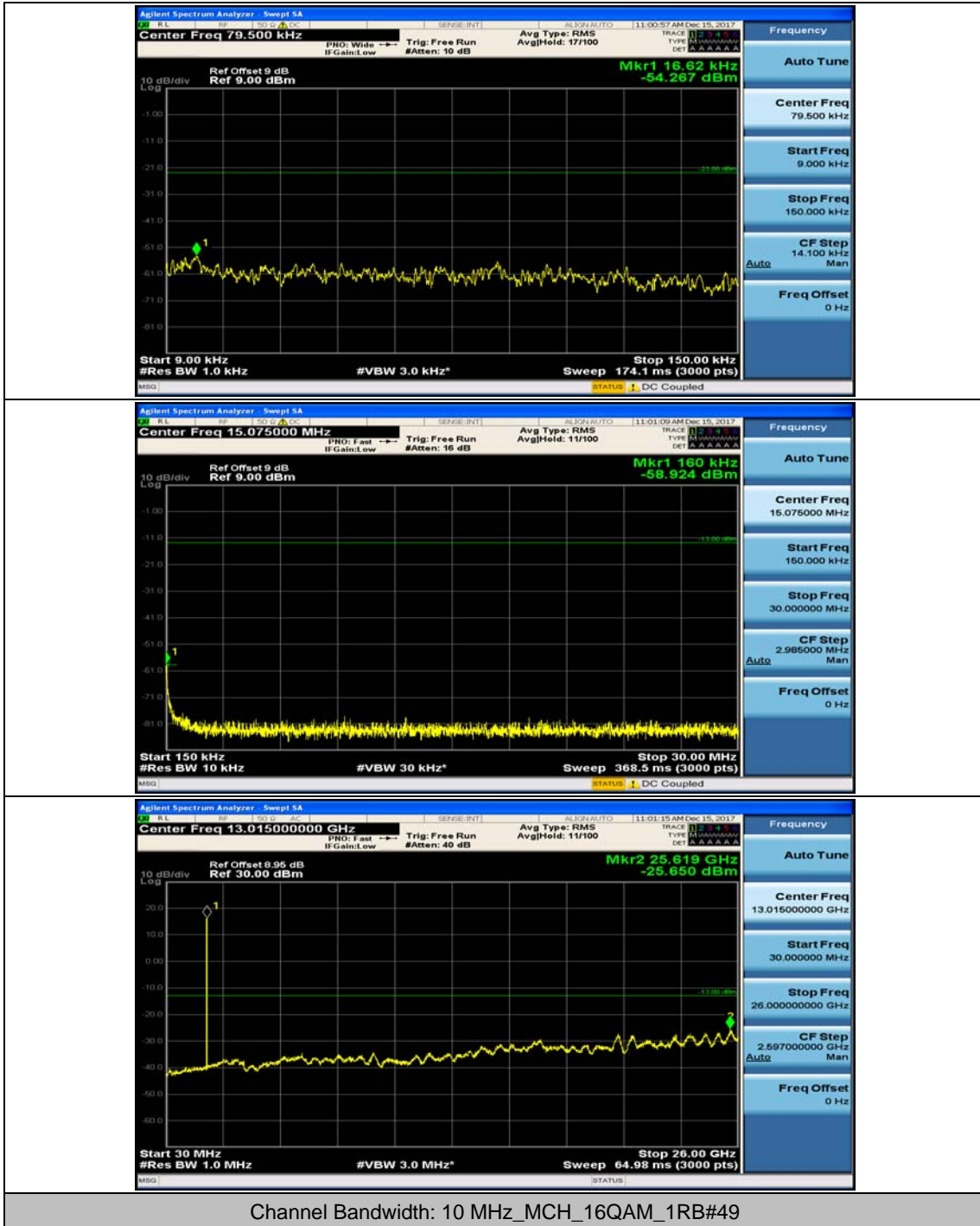
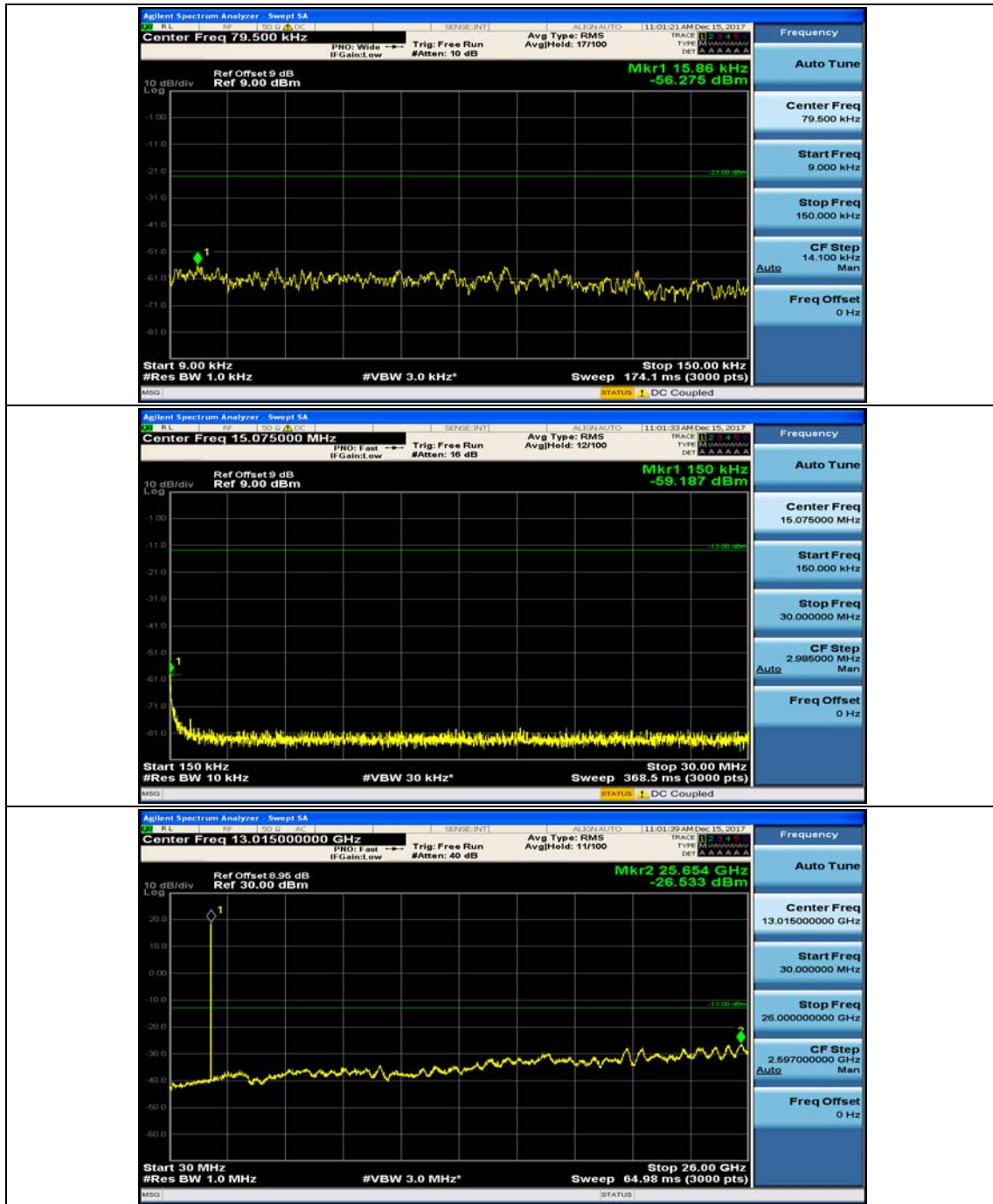


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

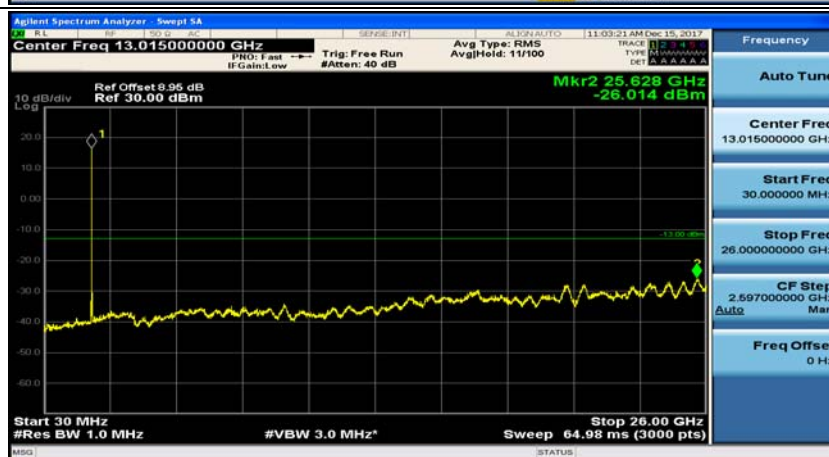
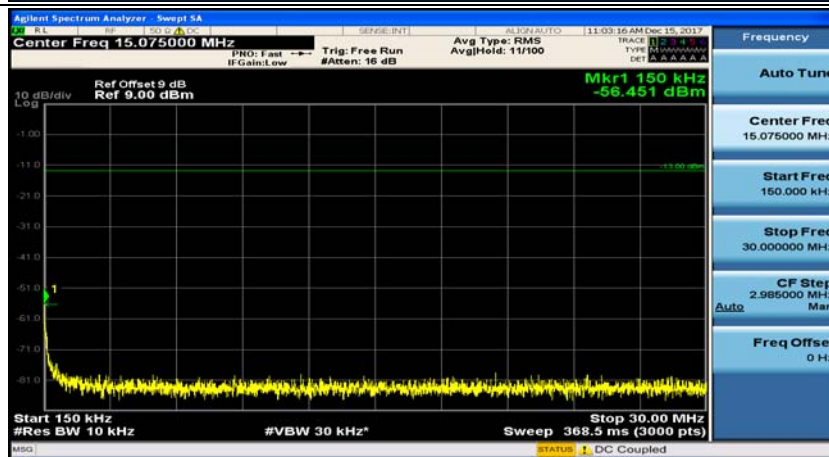
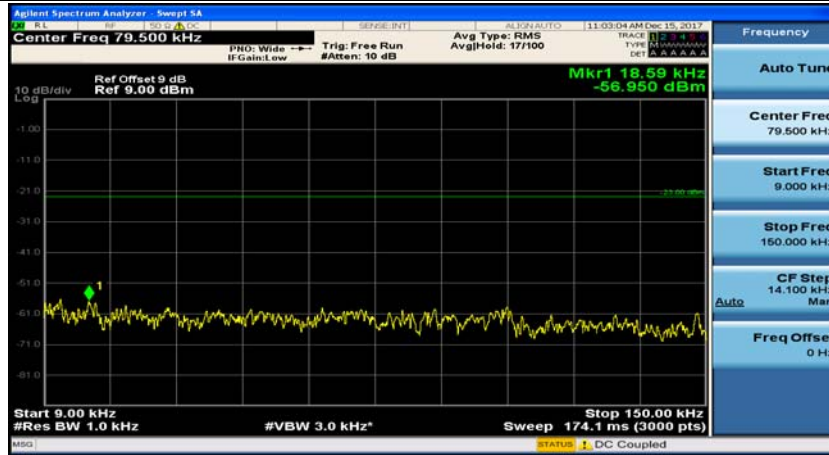


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#24

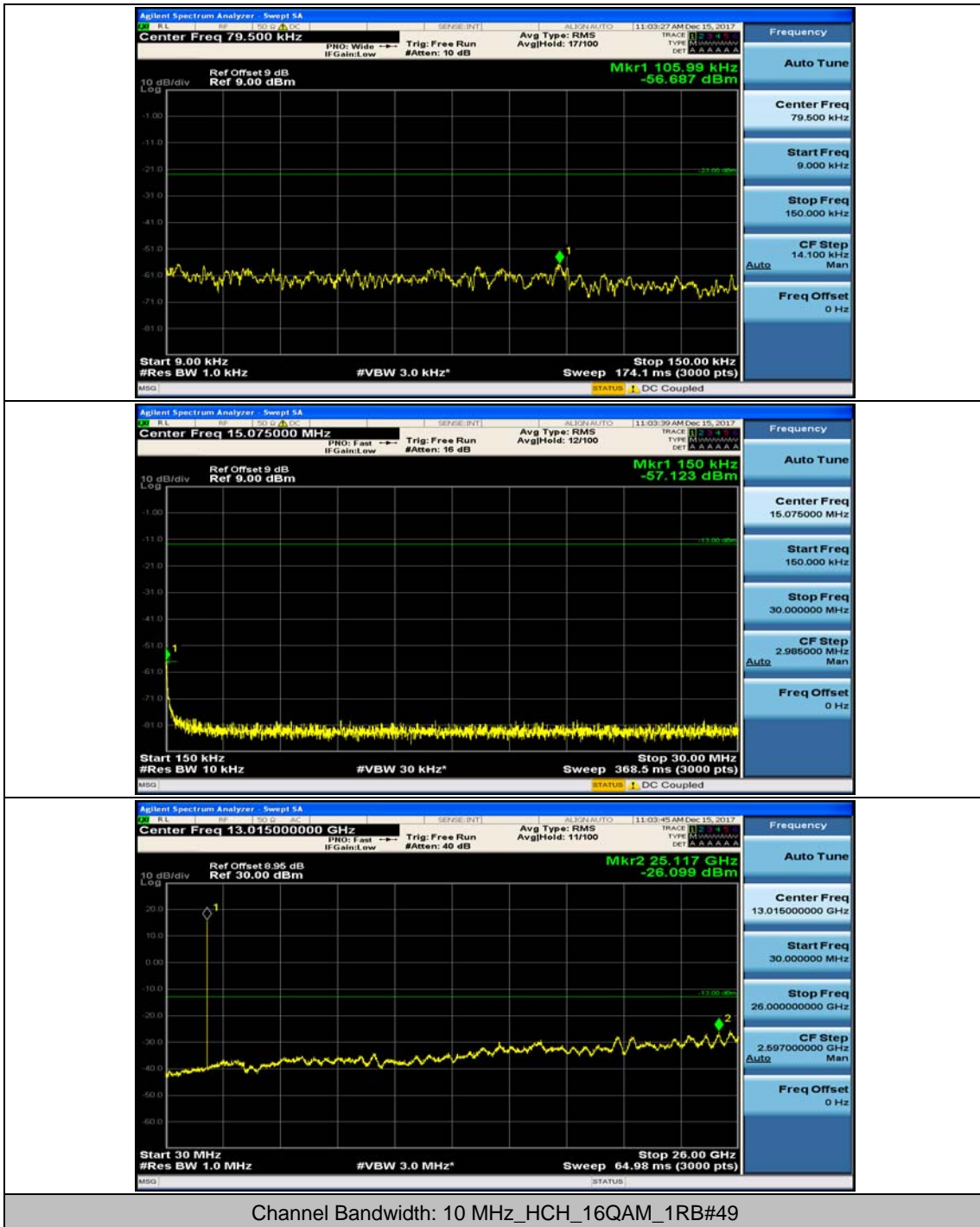


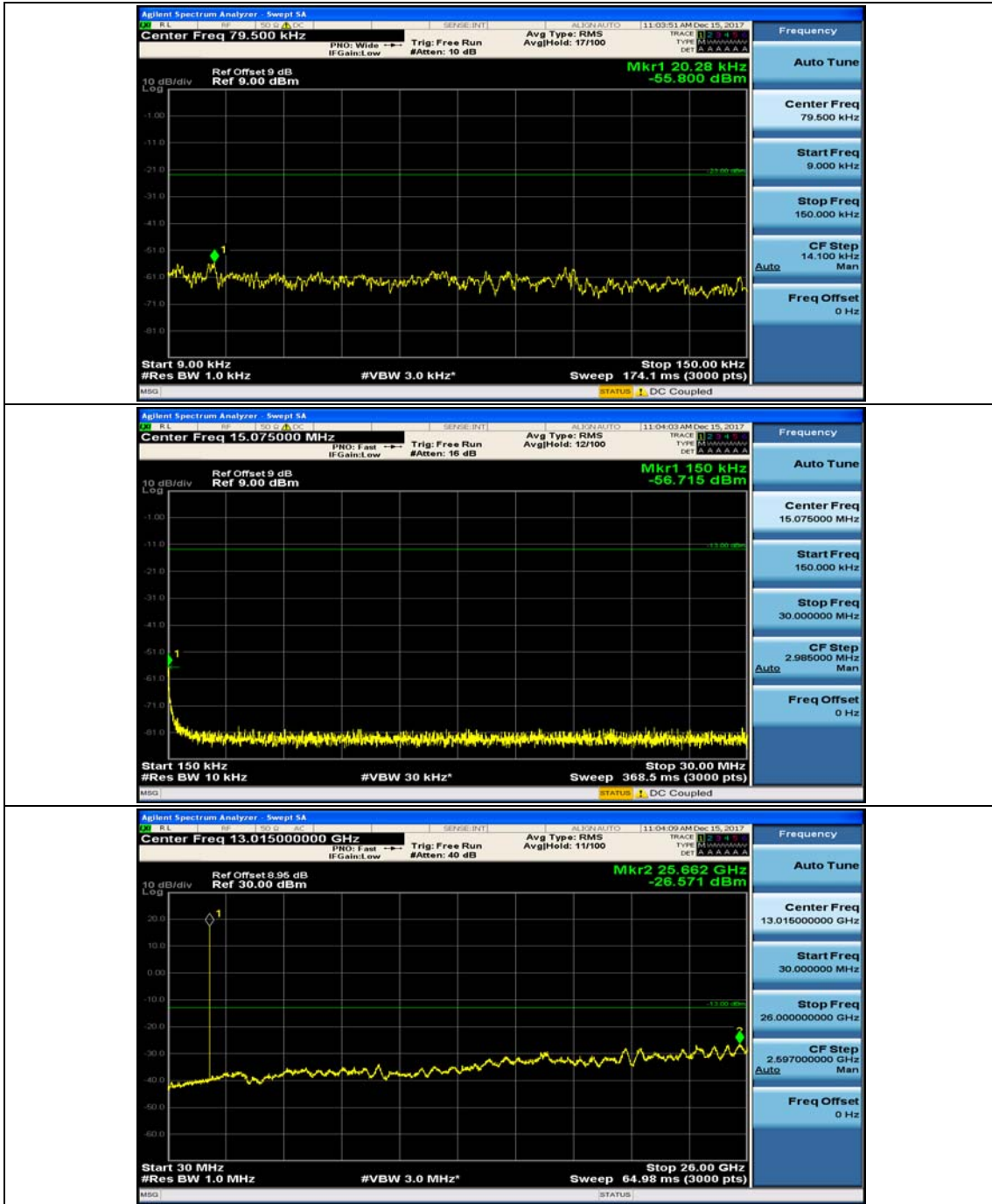


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

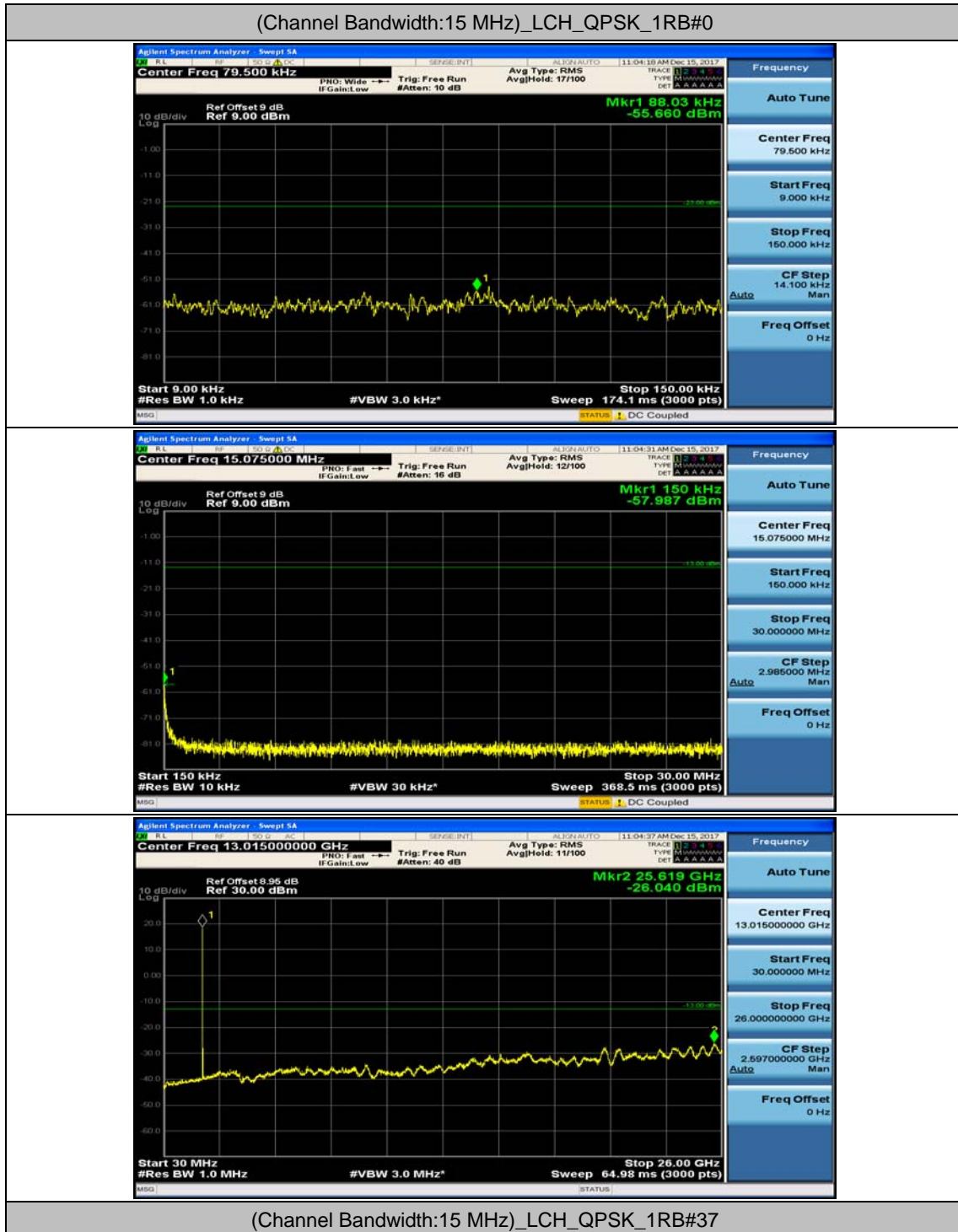


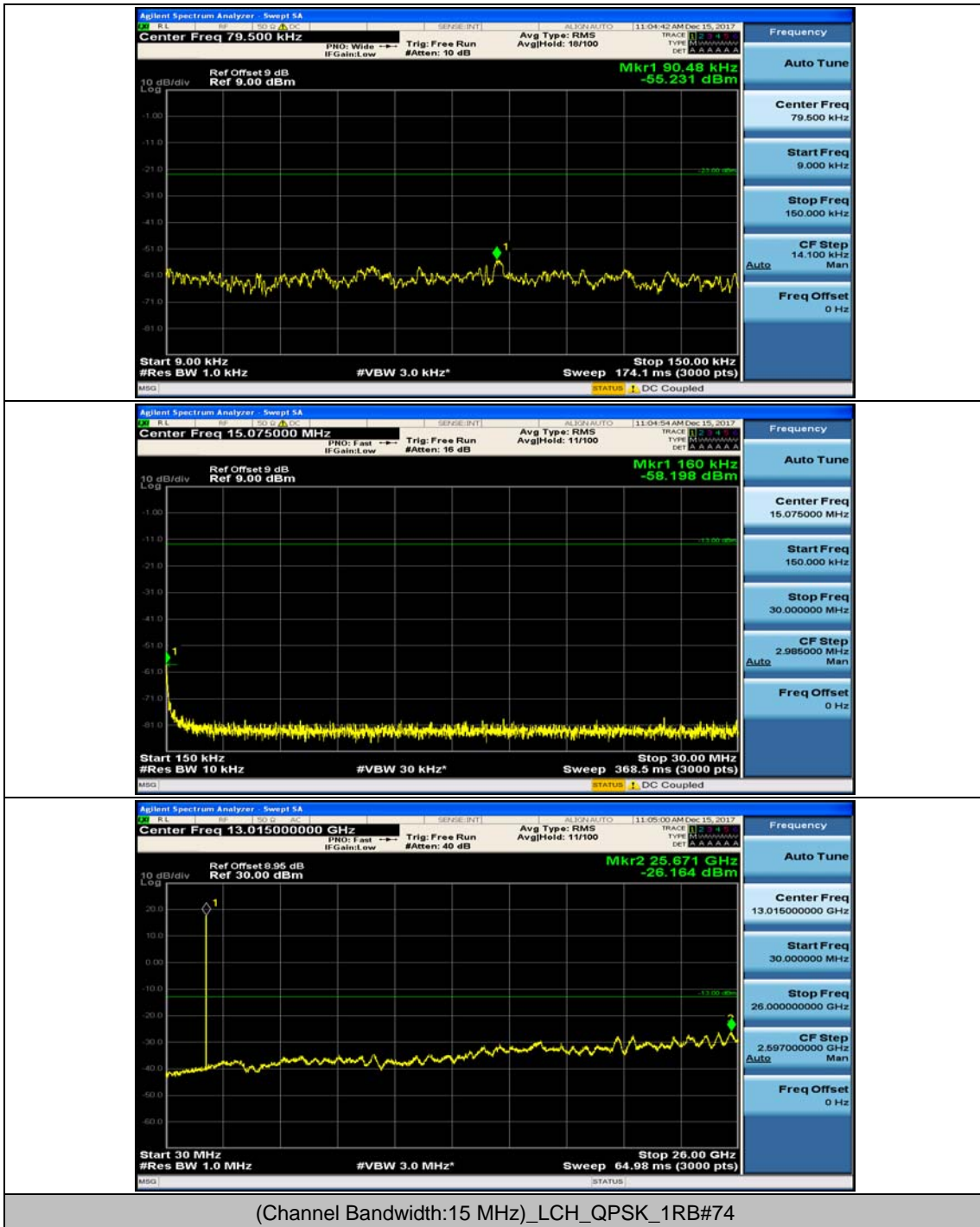
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

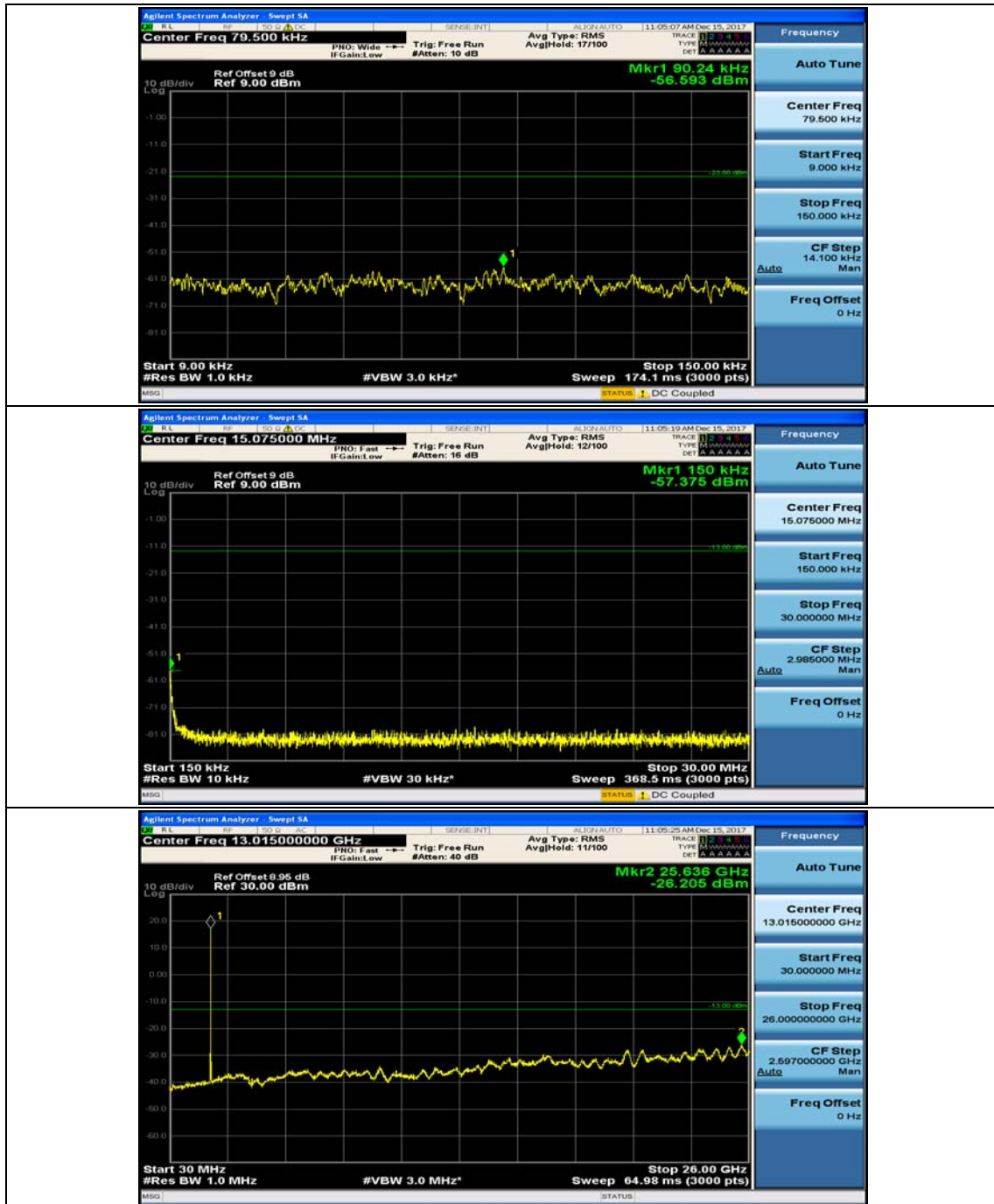




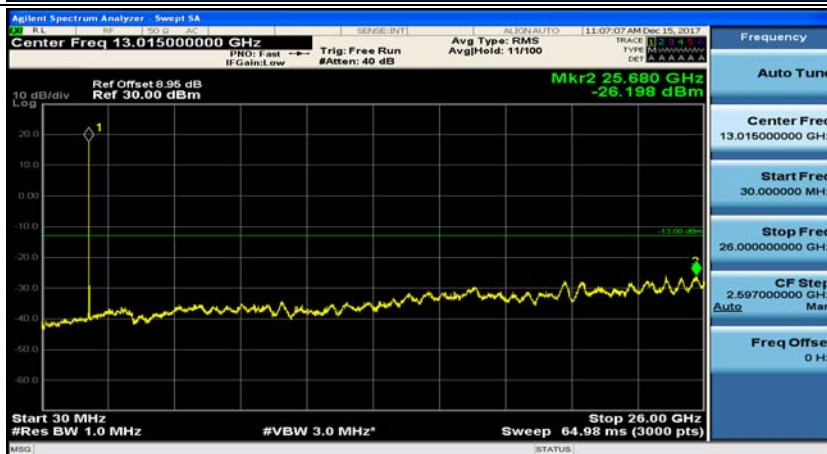
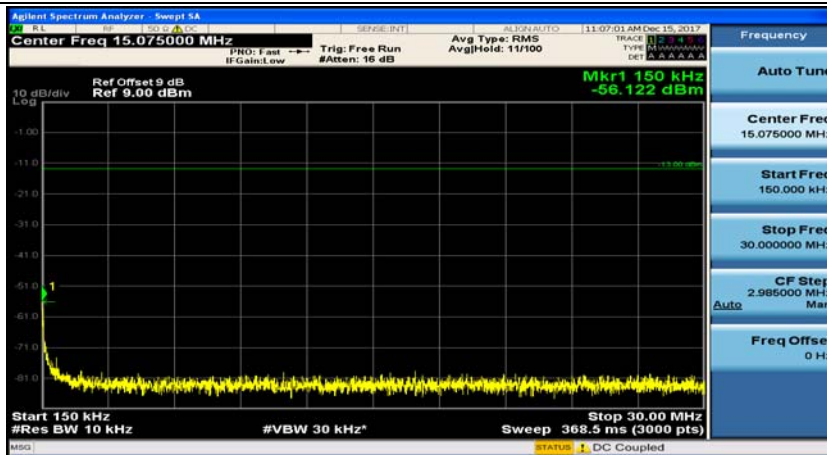
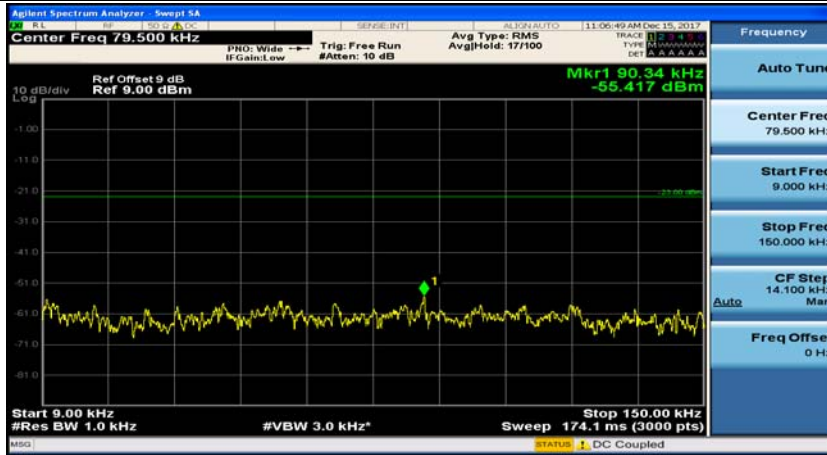
Channel Bandwidth: 15 MHz



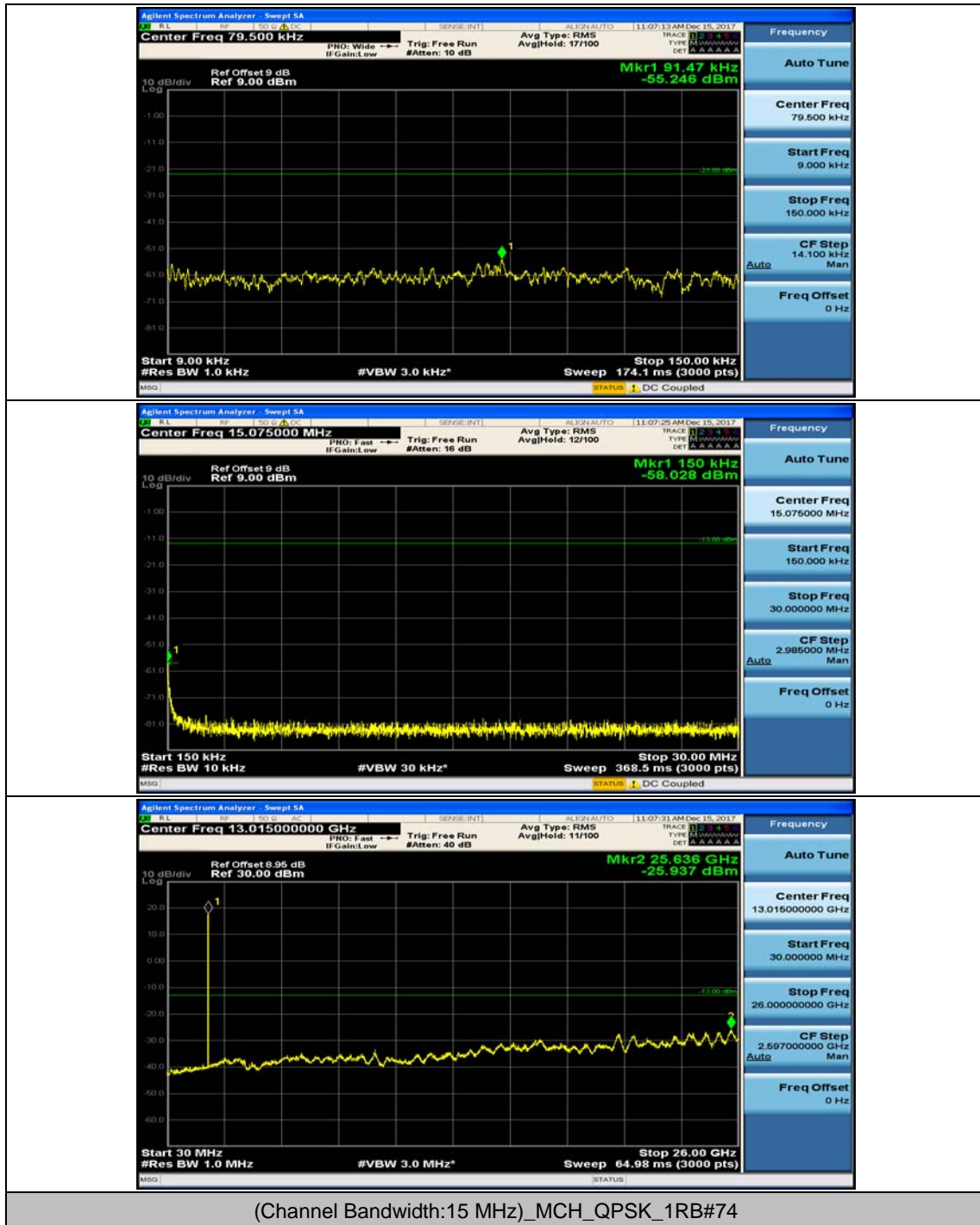


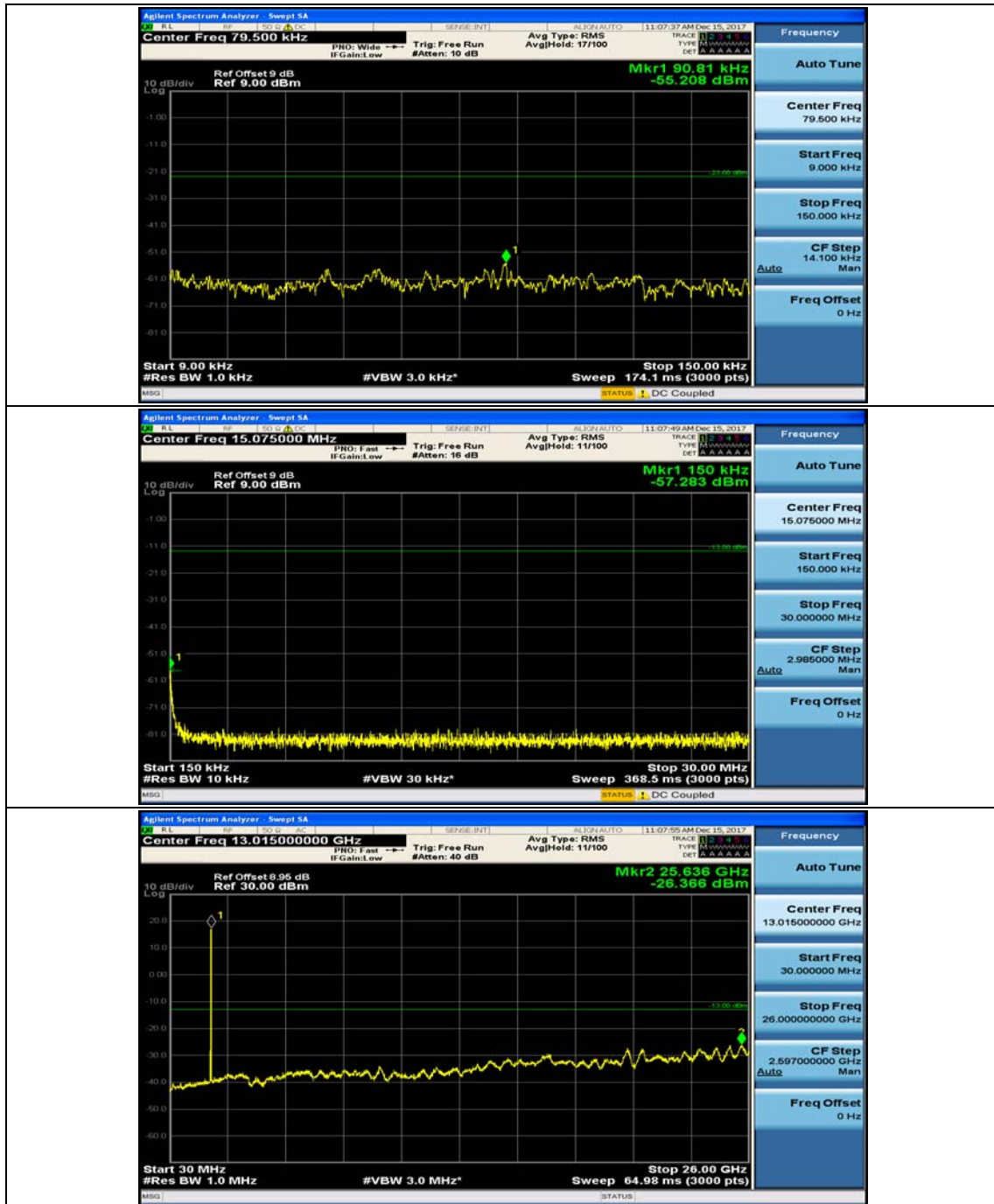


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

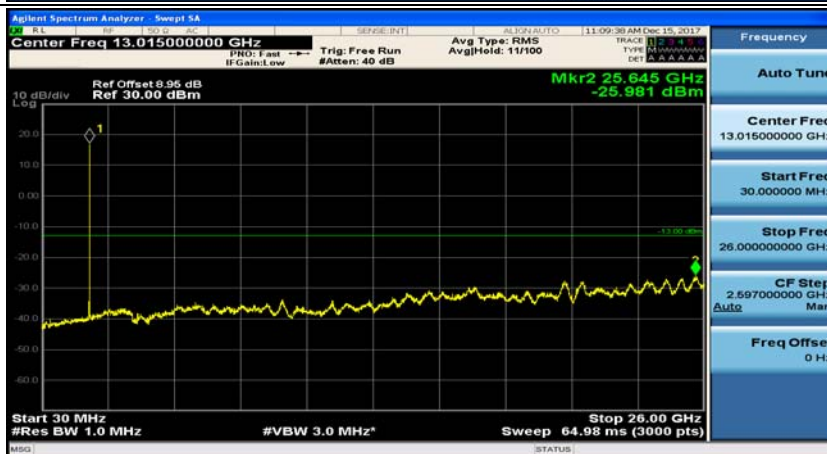
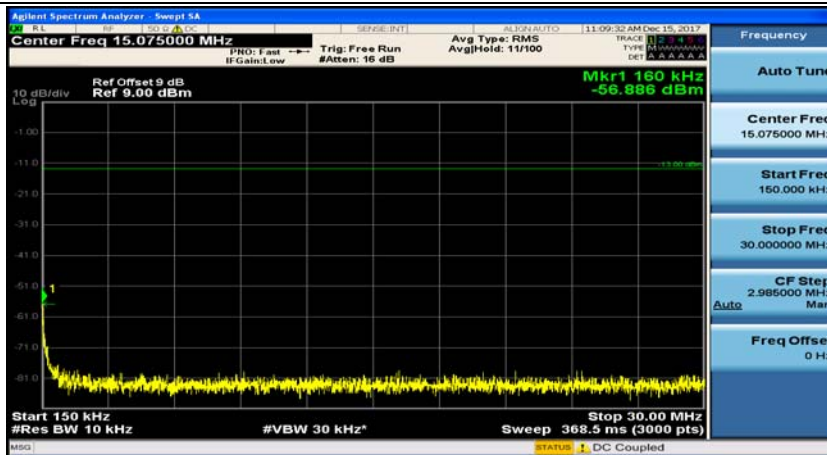
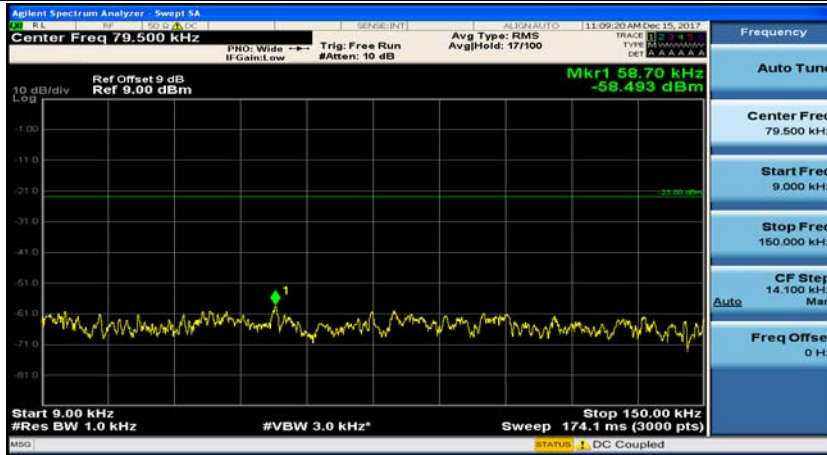


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

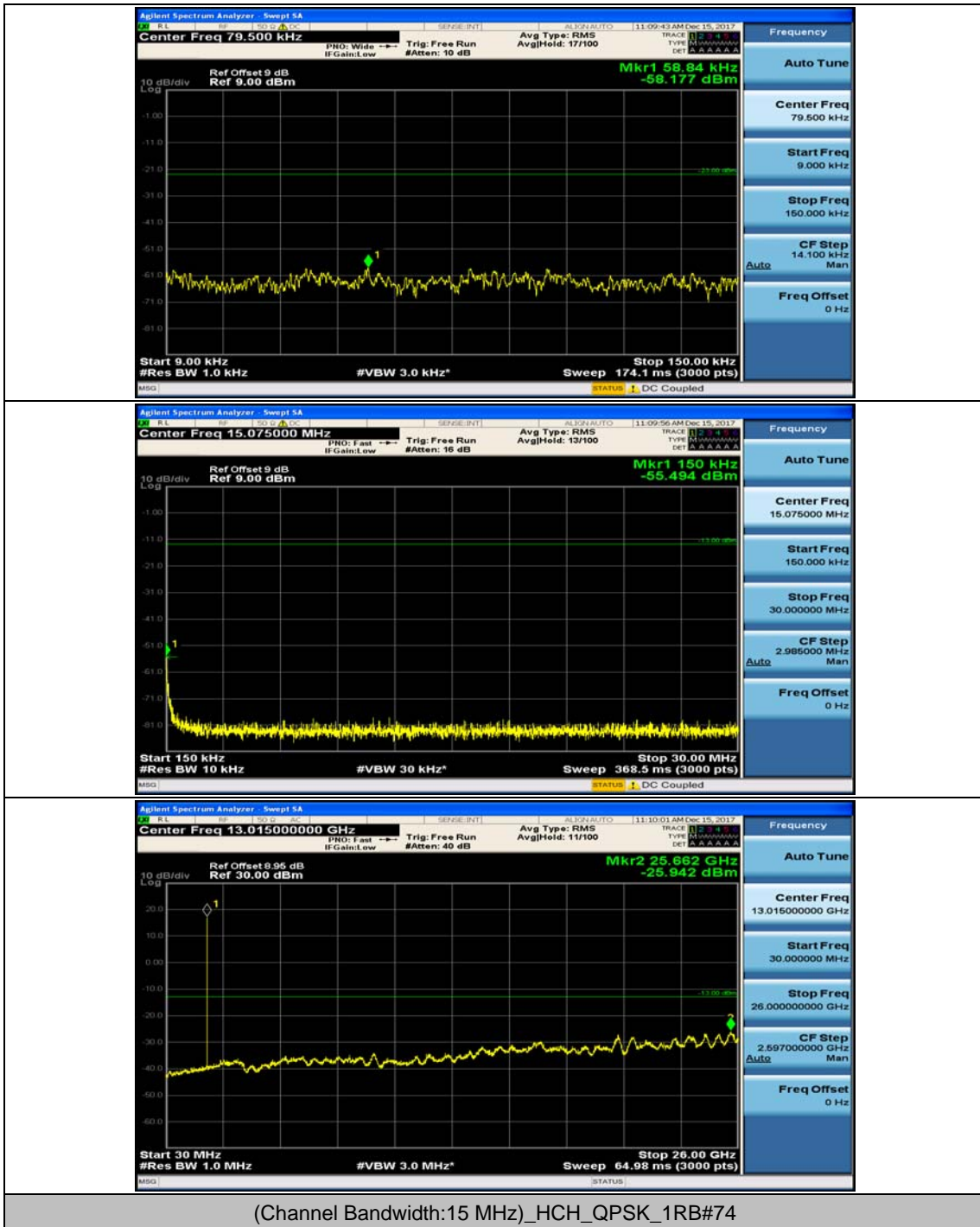


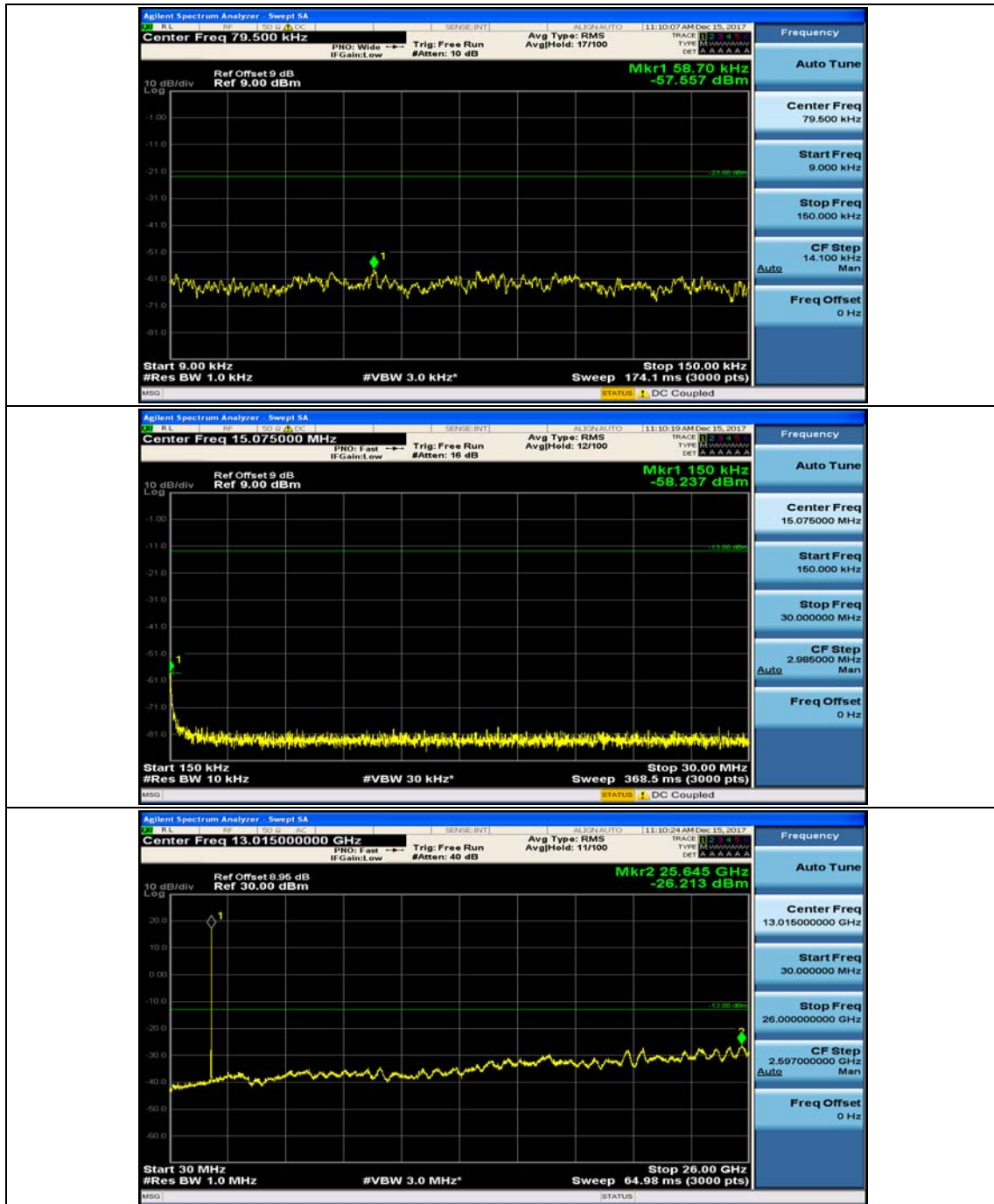


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

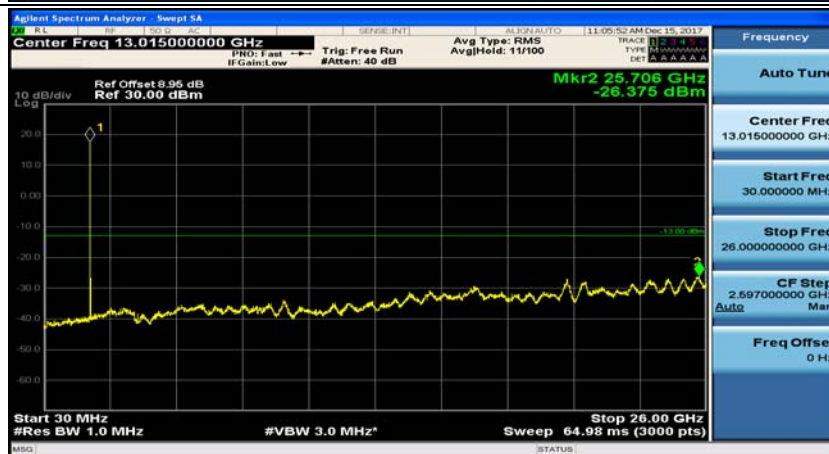
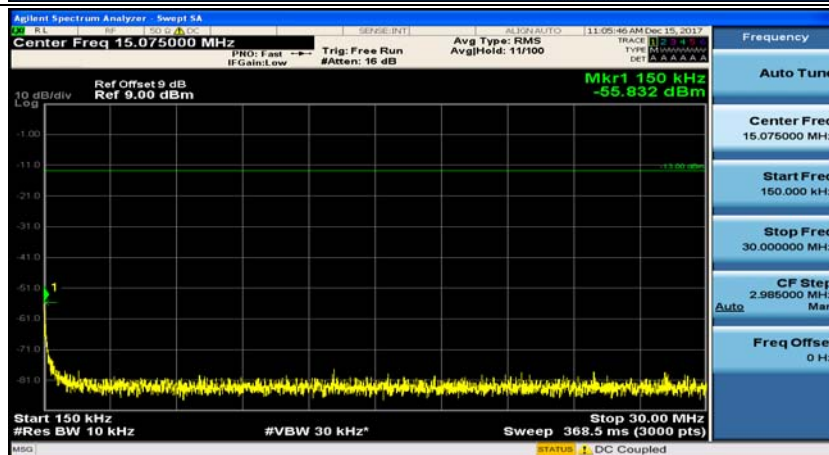
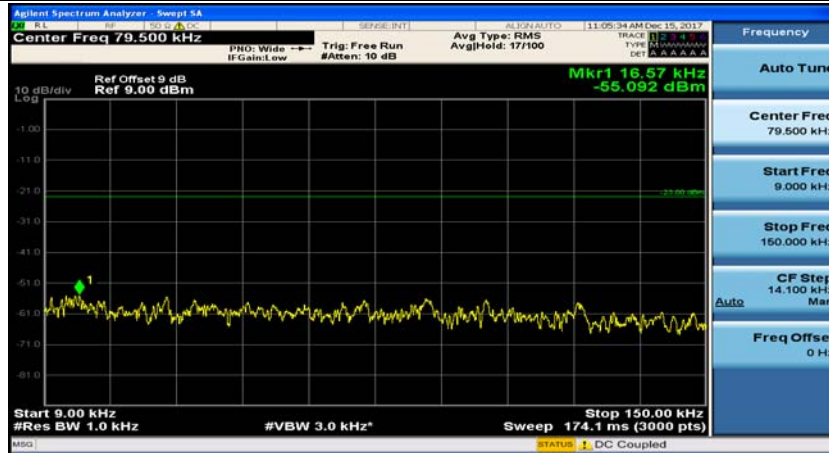


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

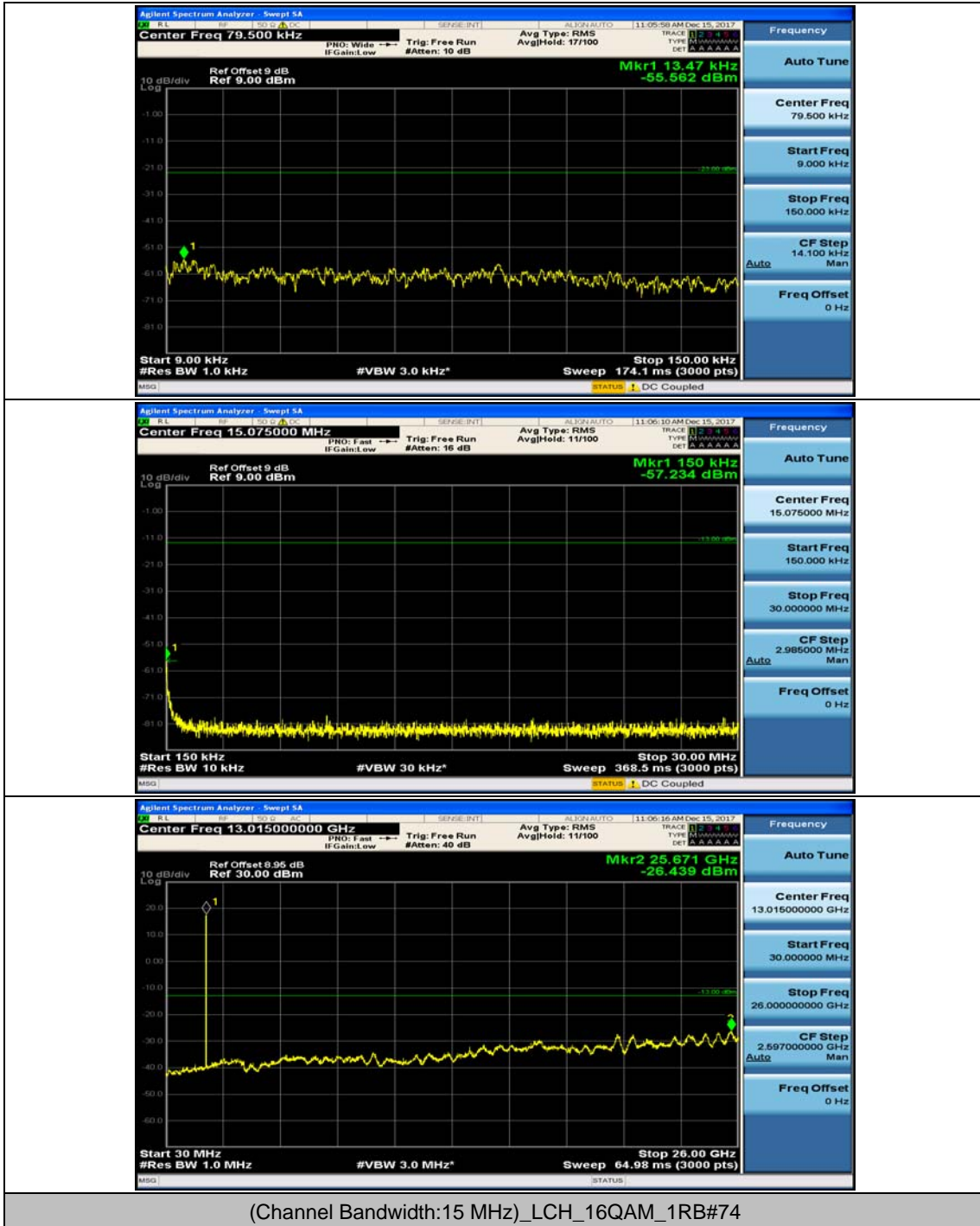


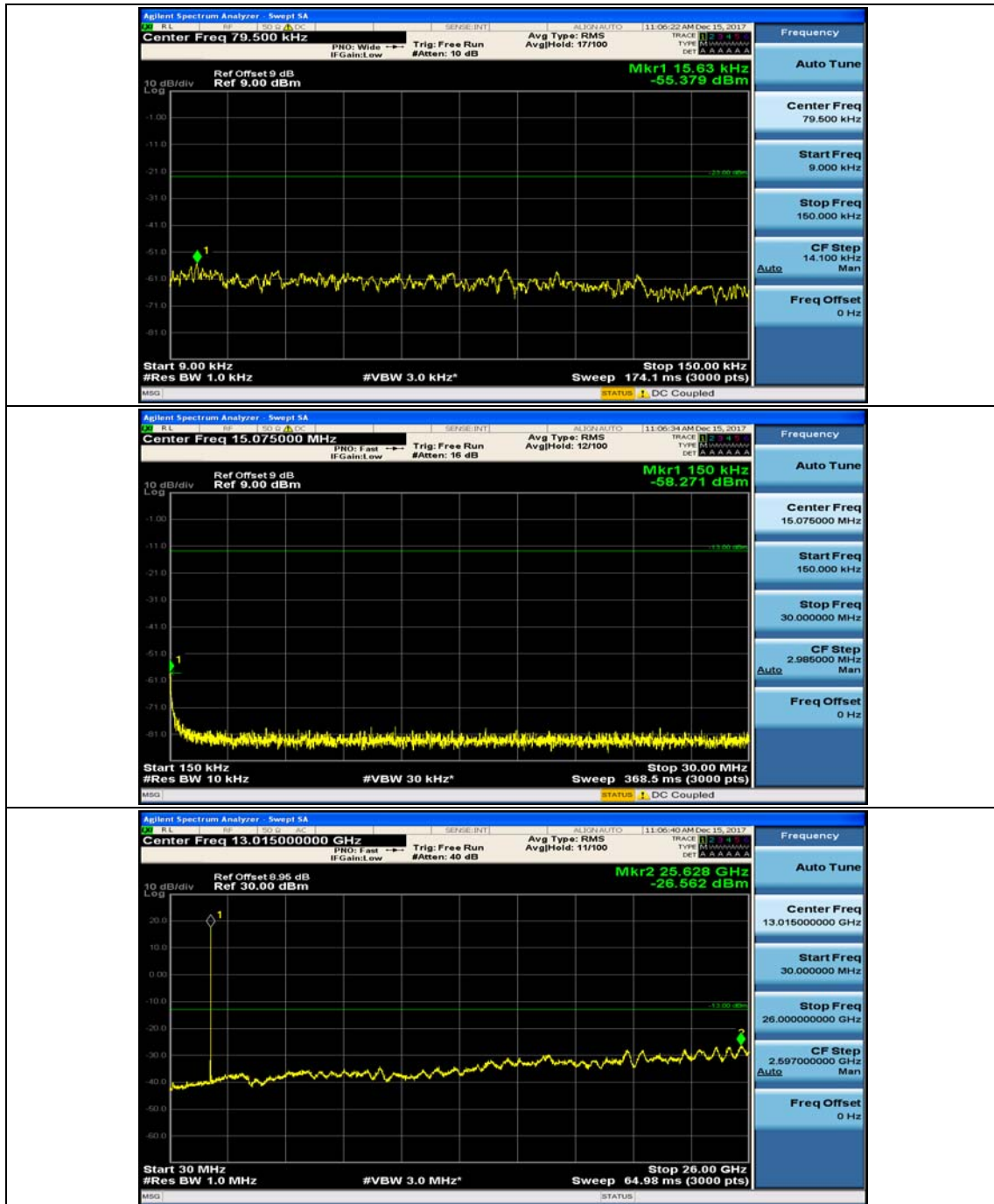


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

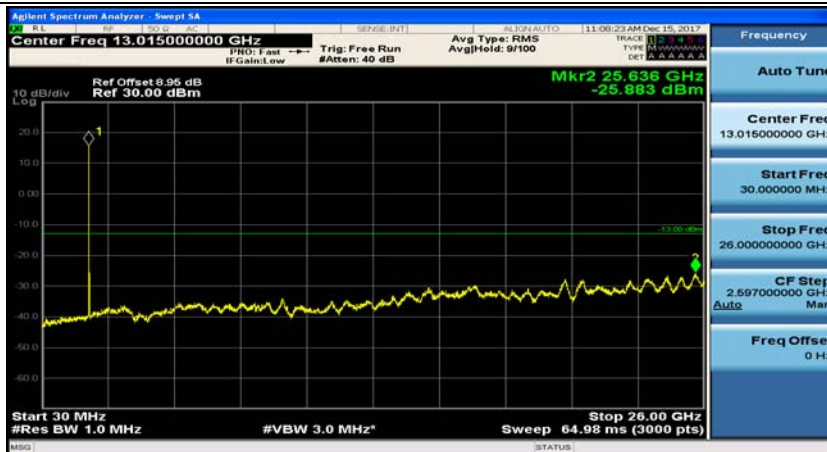
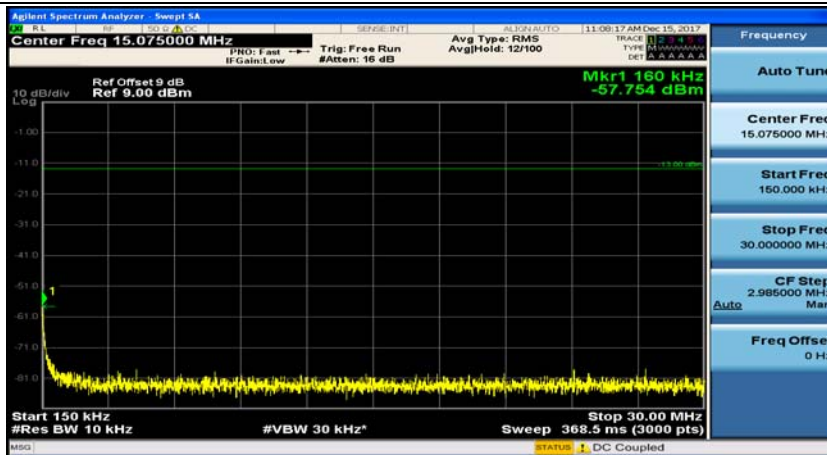
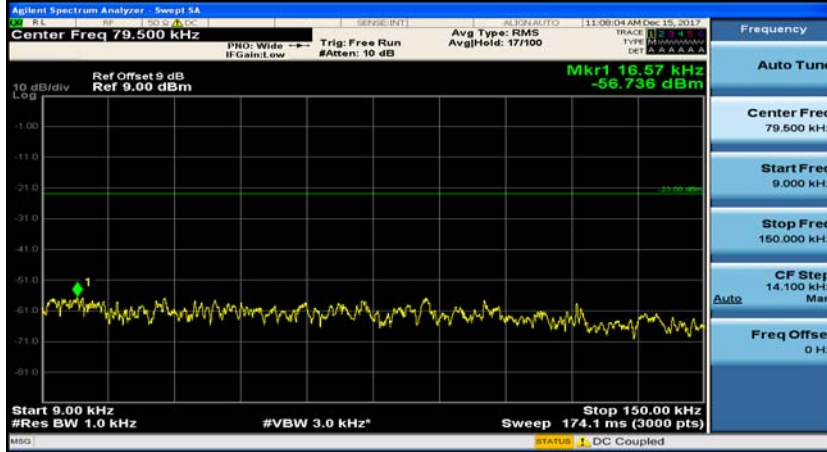


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

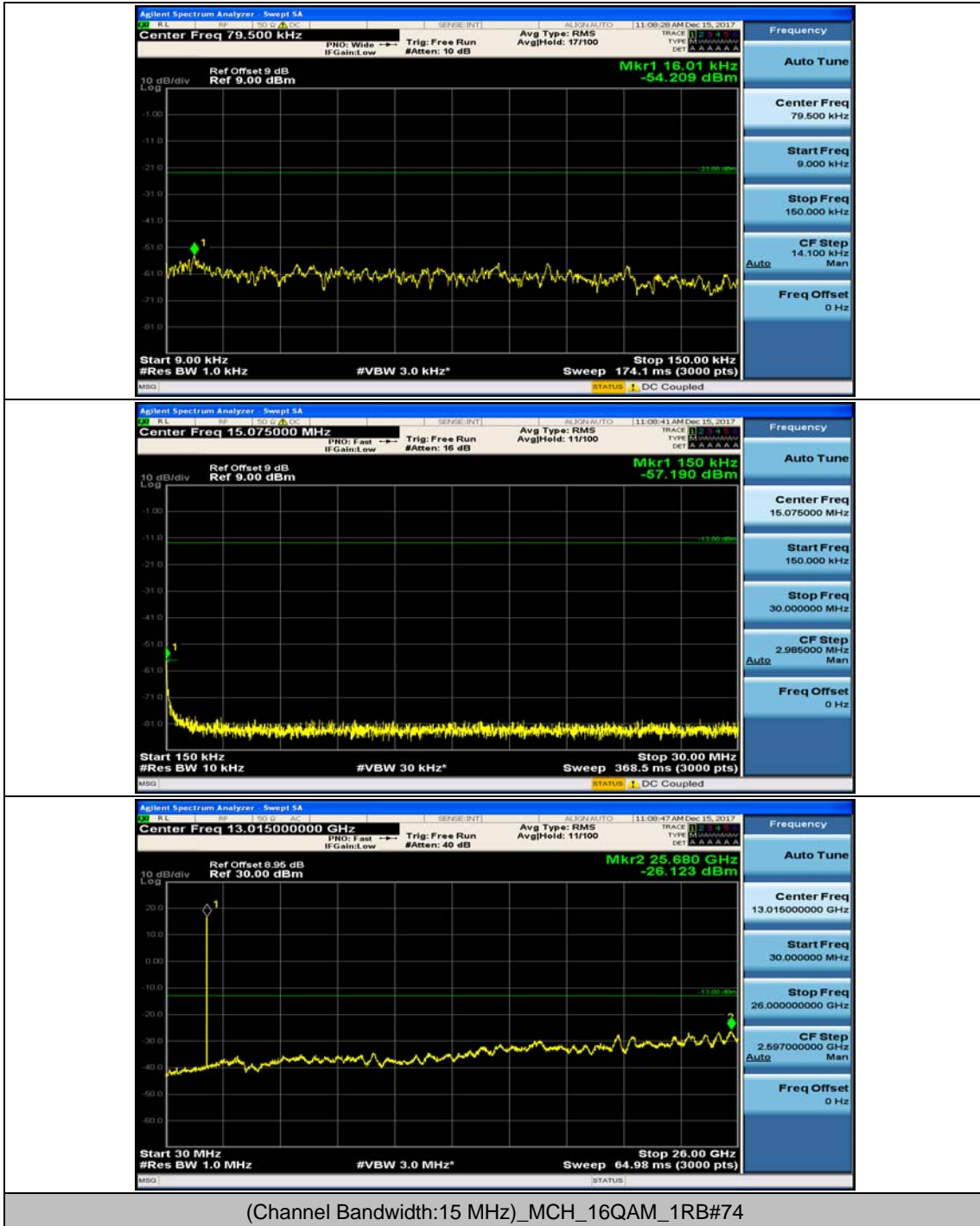


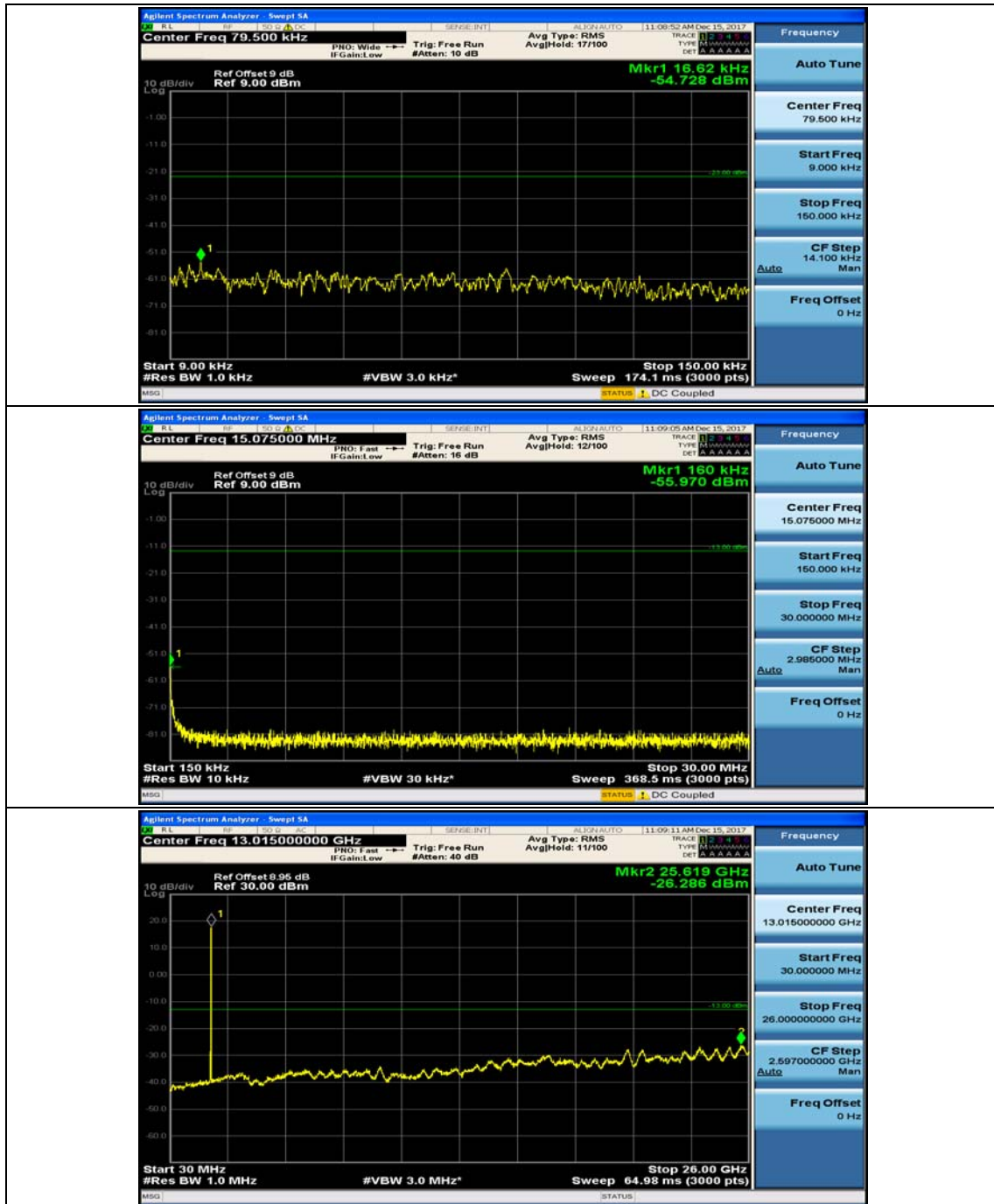


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

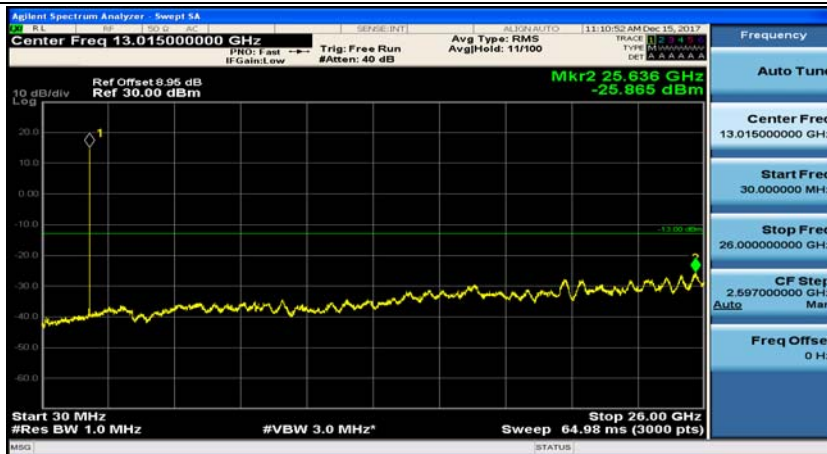
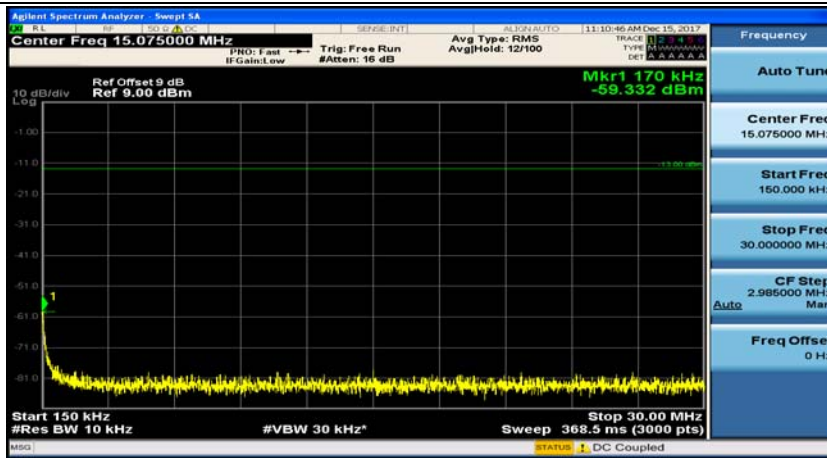


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

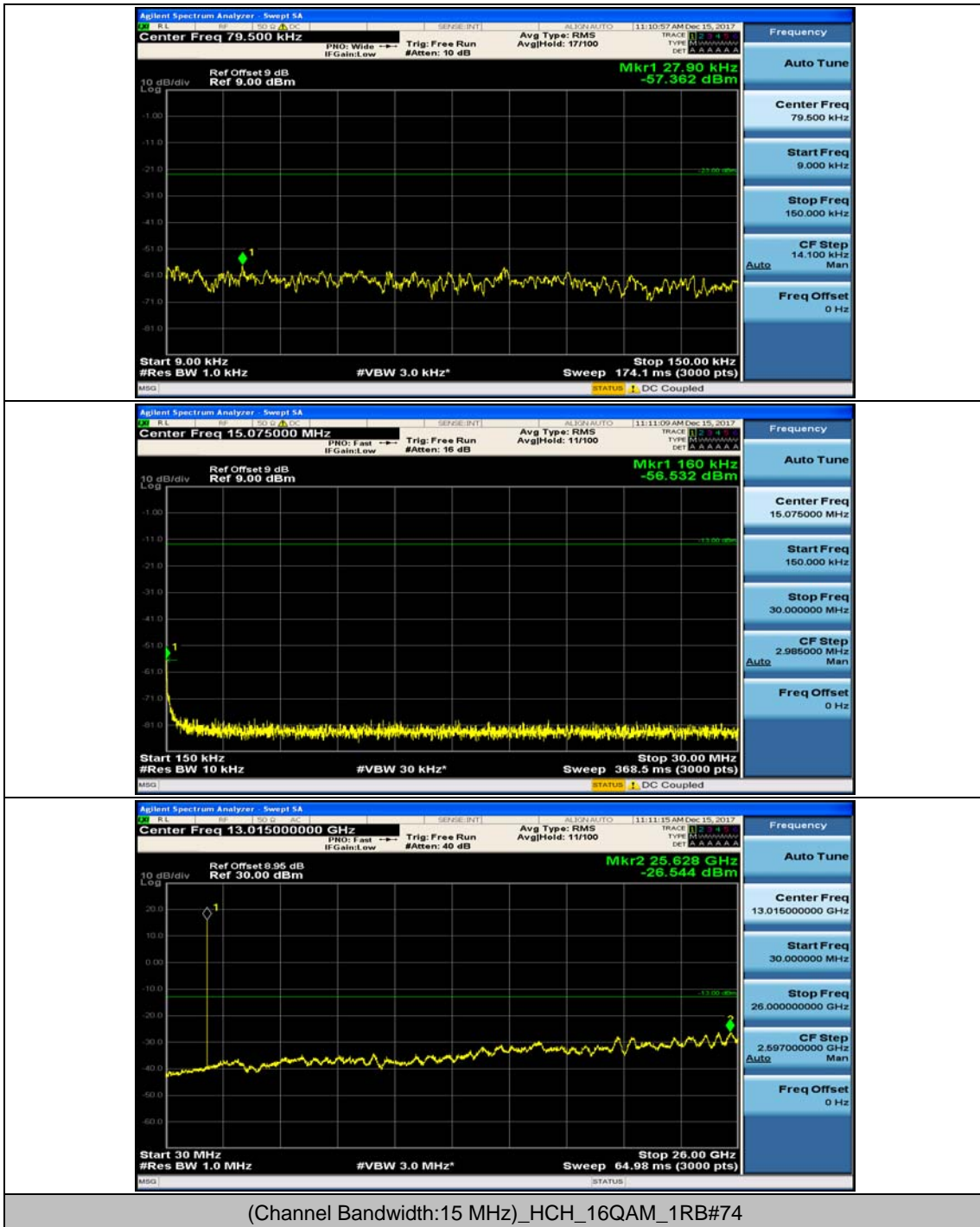


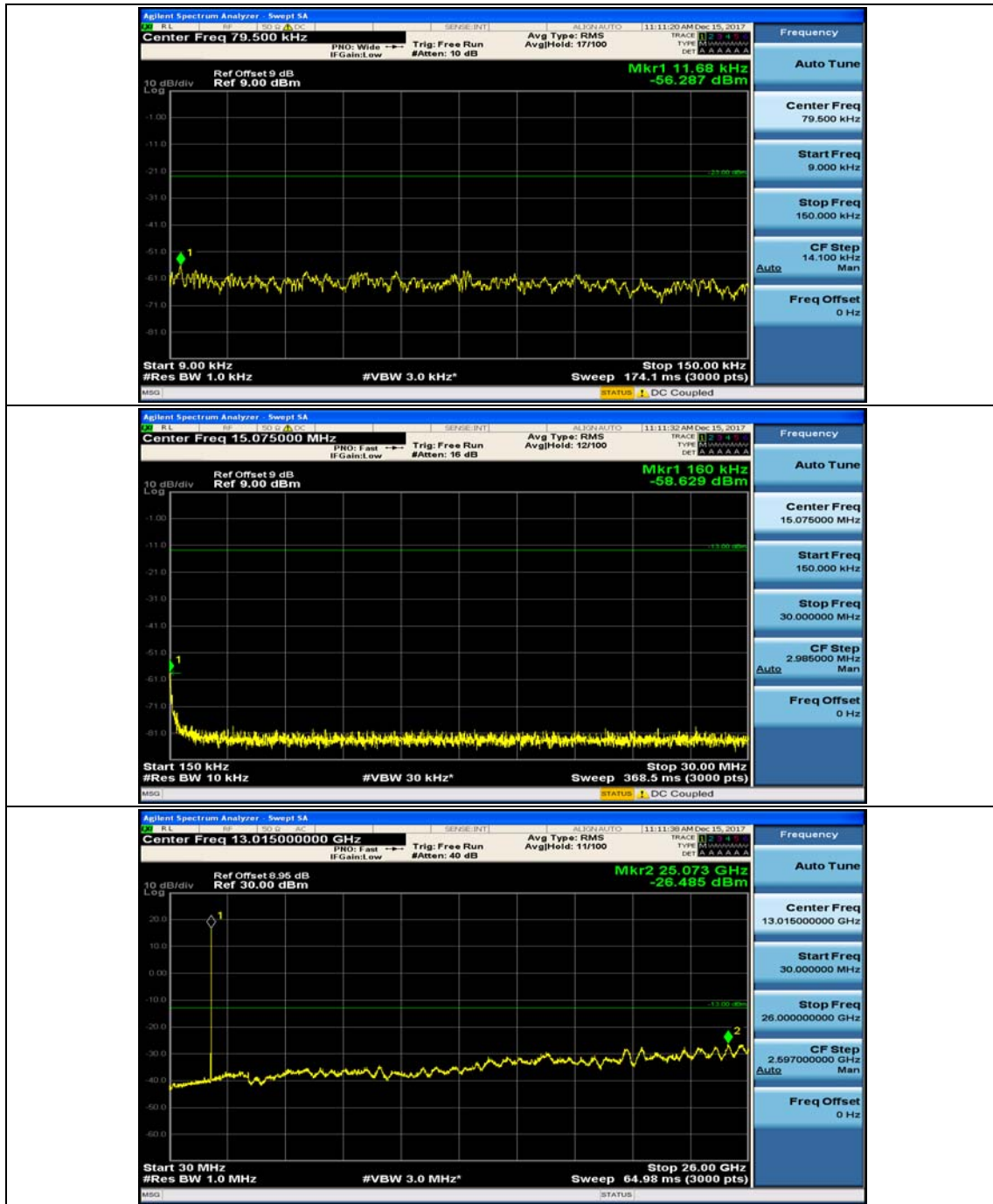


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

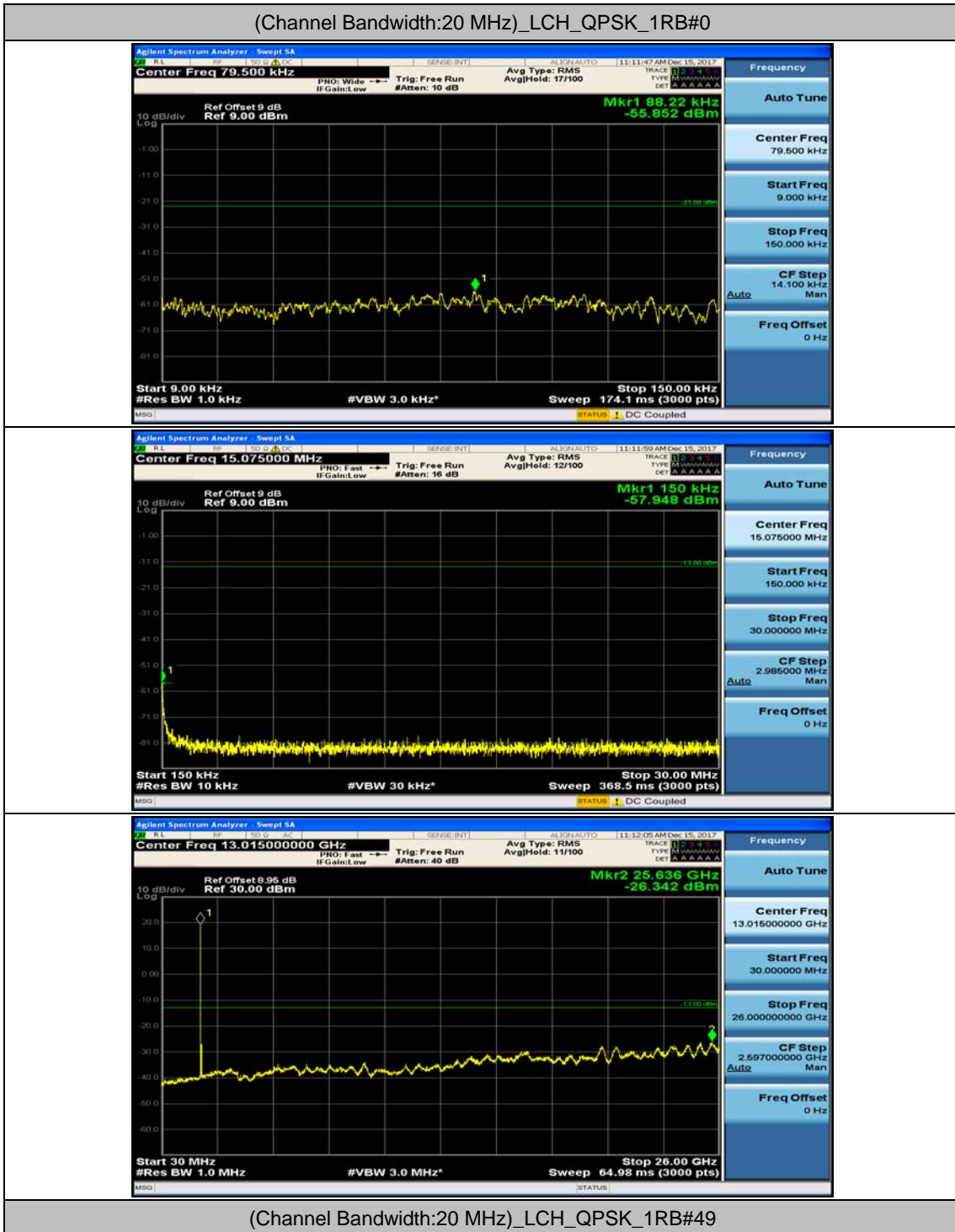


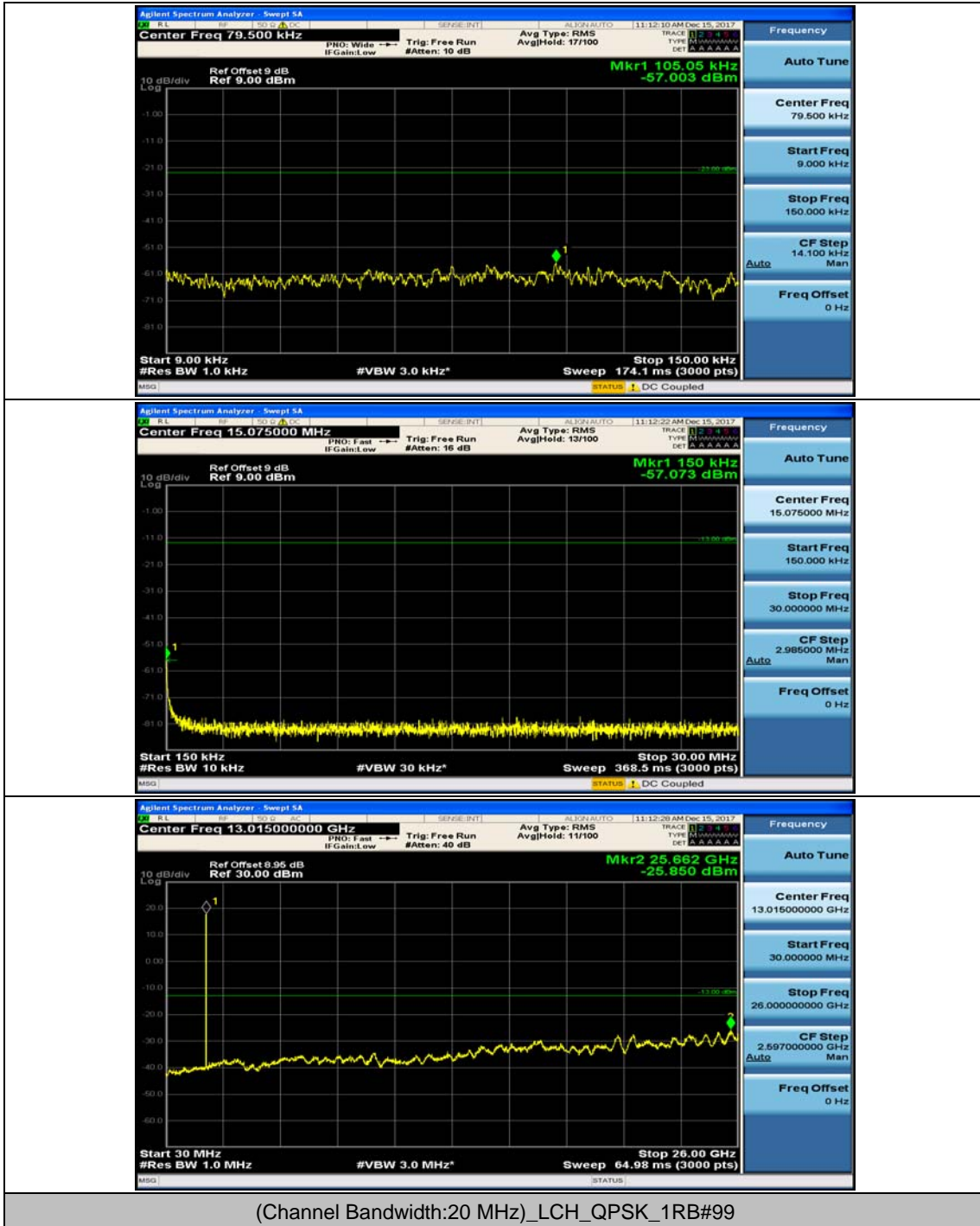
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

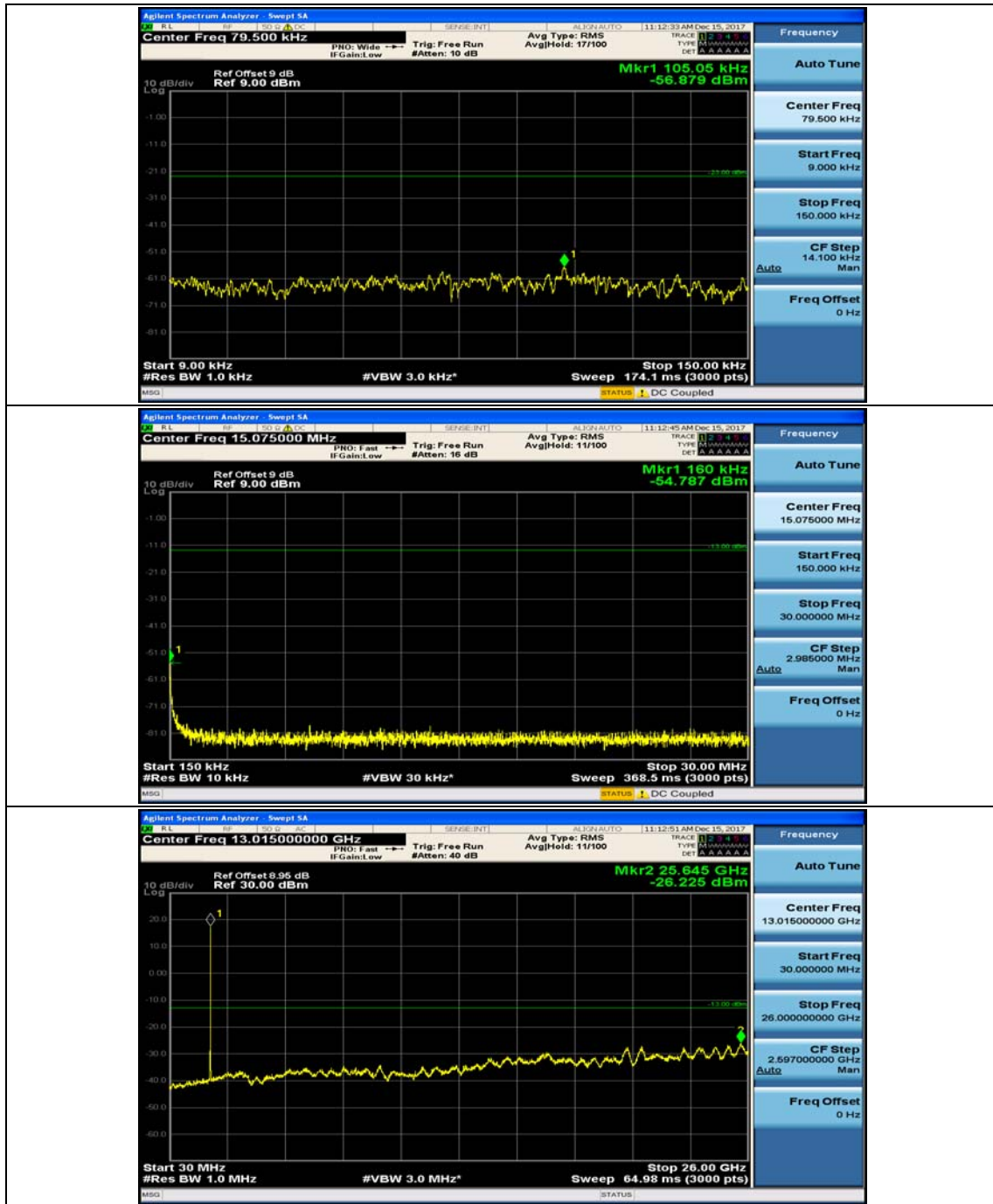




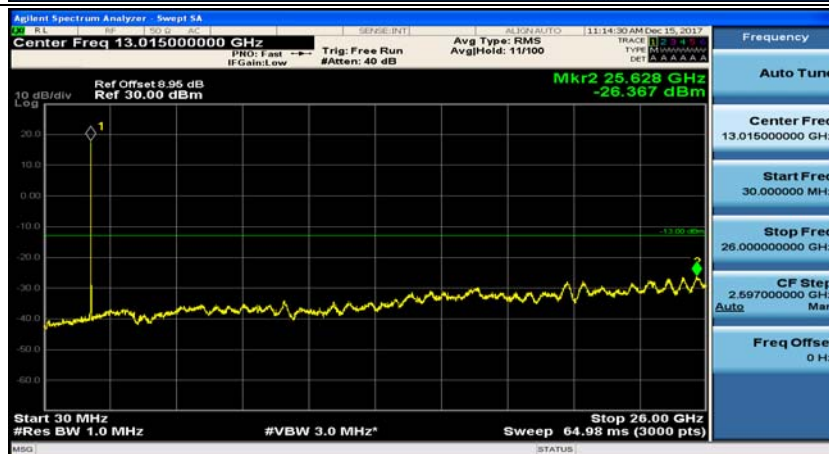
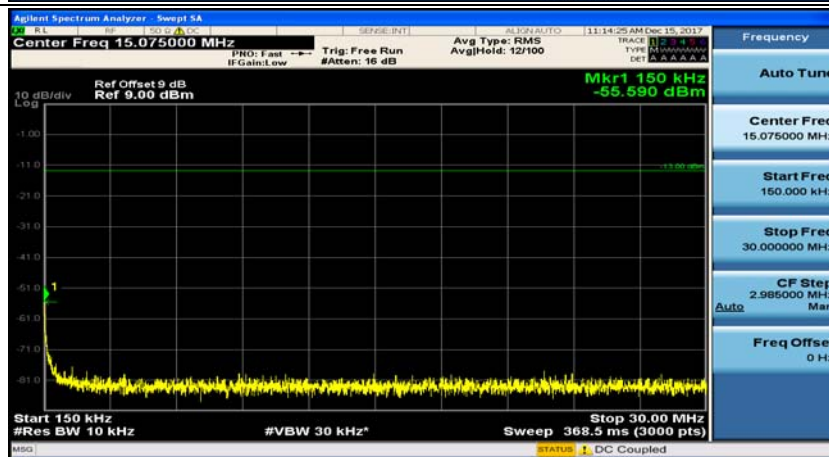
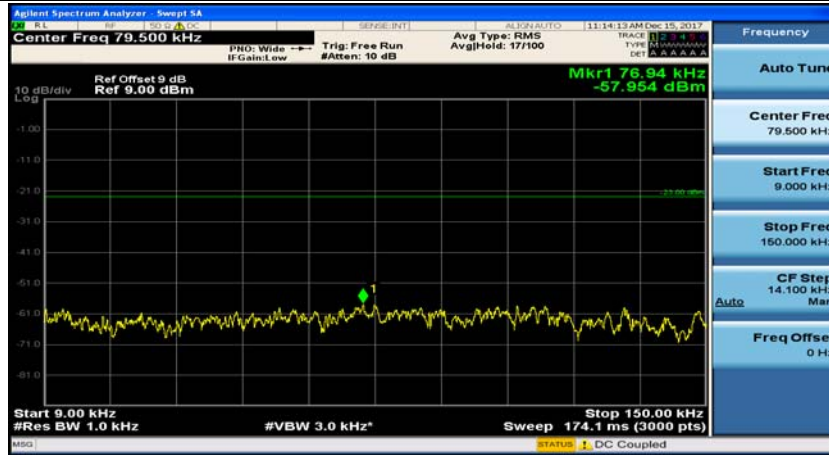
Channel Bandwidth: 20 MHz



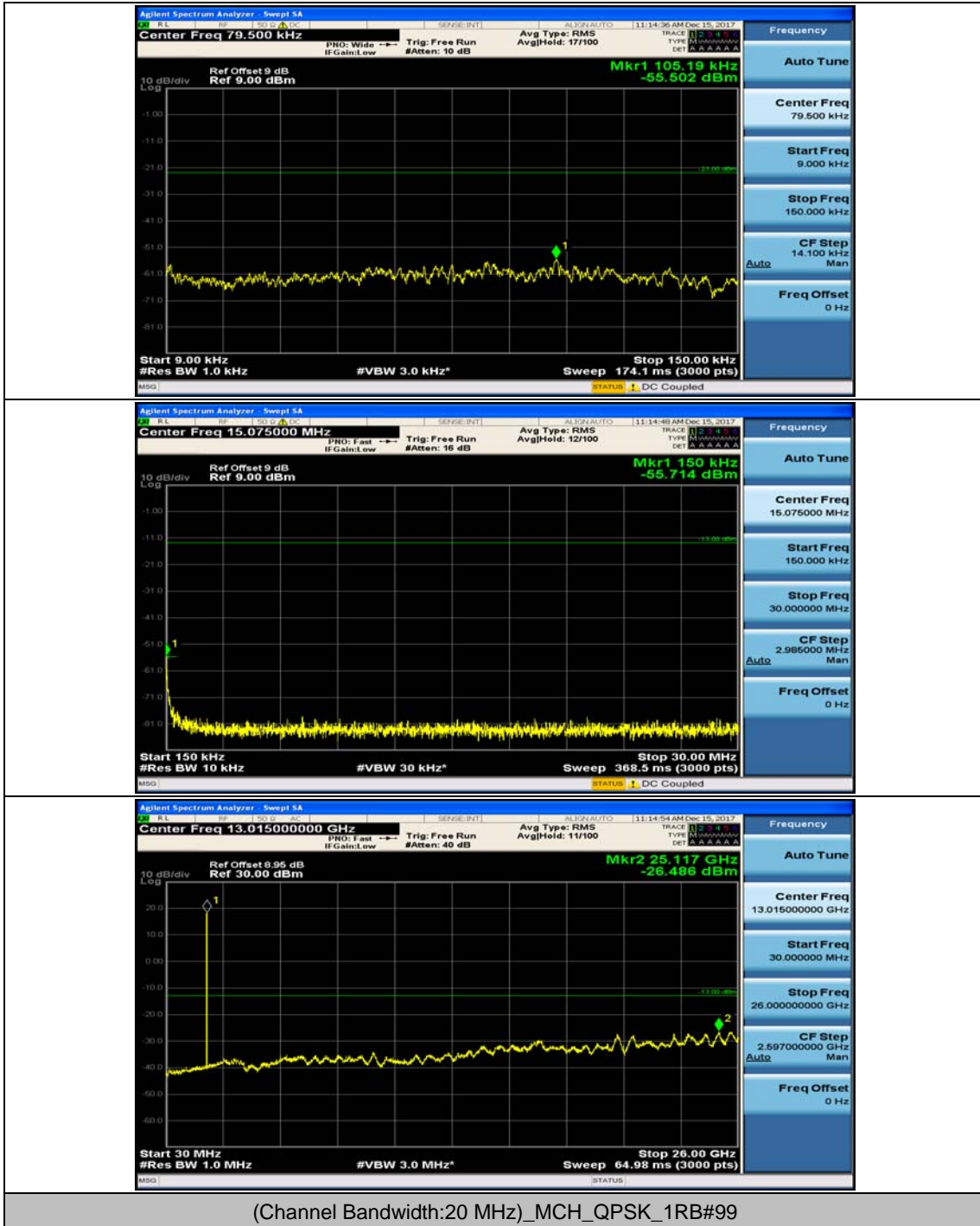


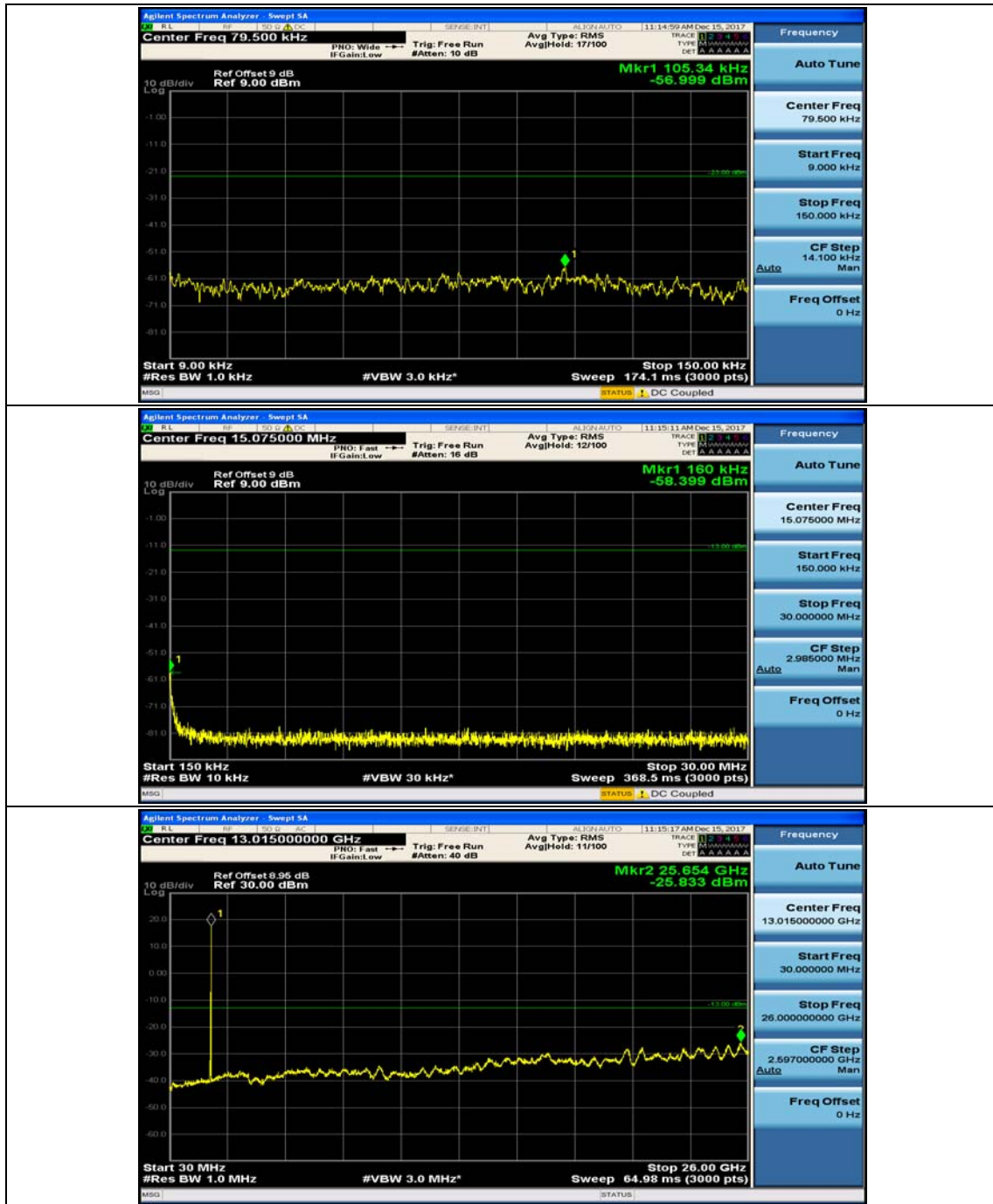


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

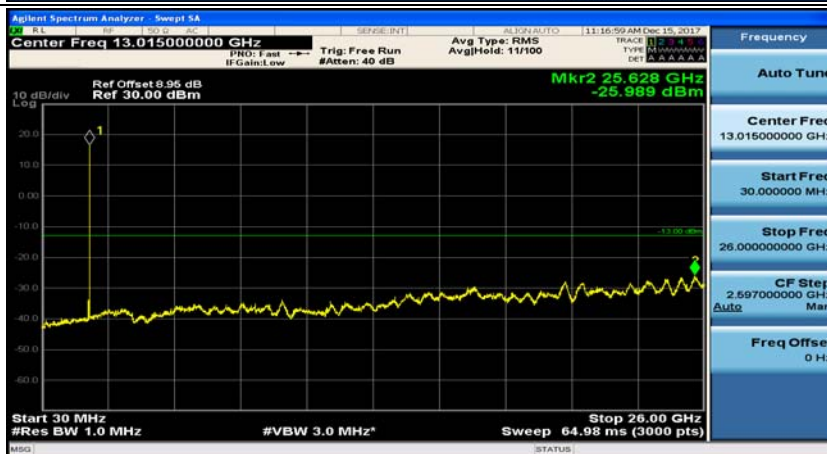
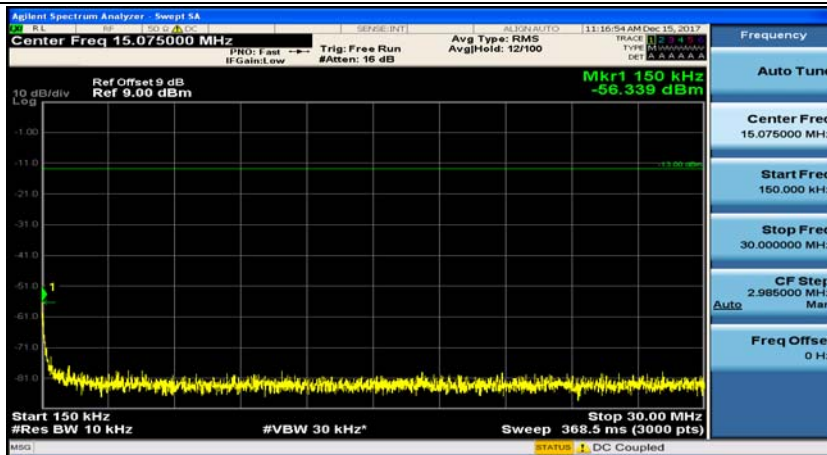
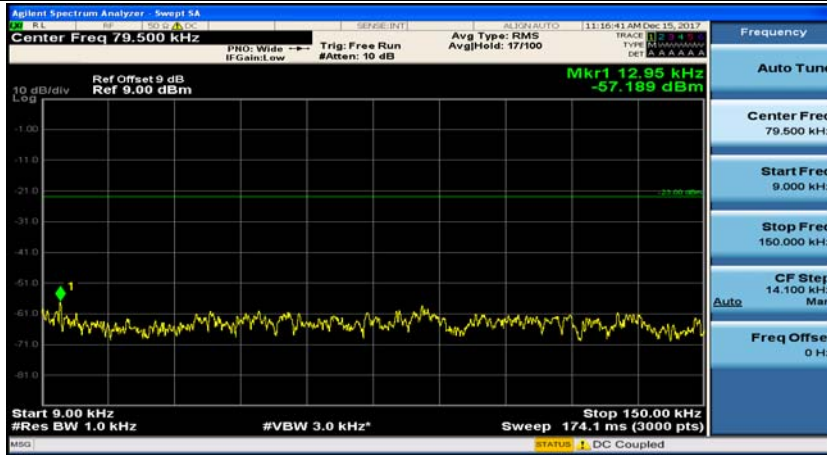


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

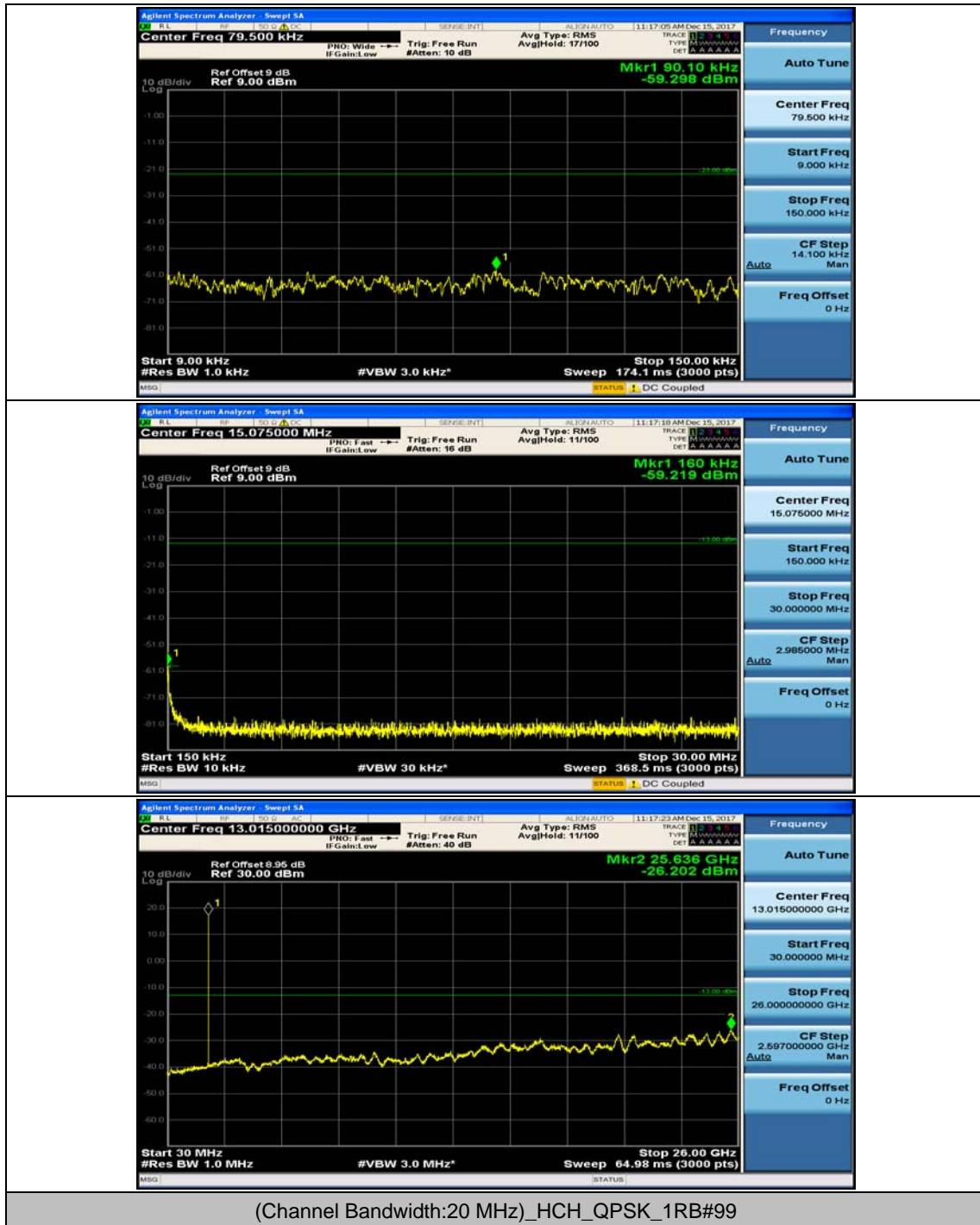


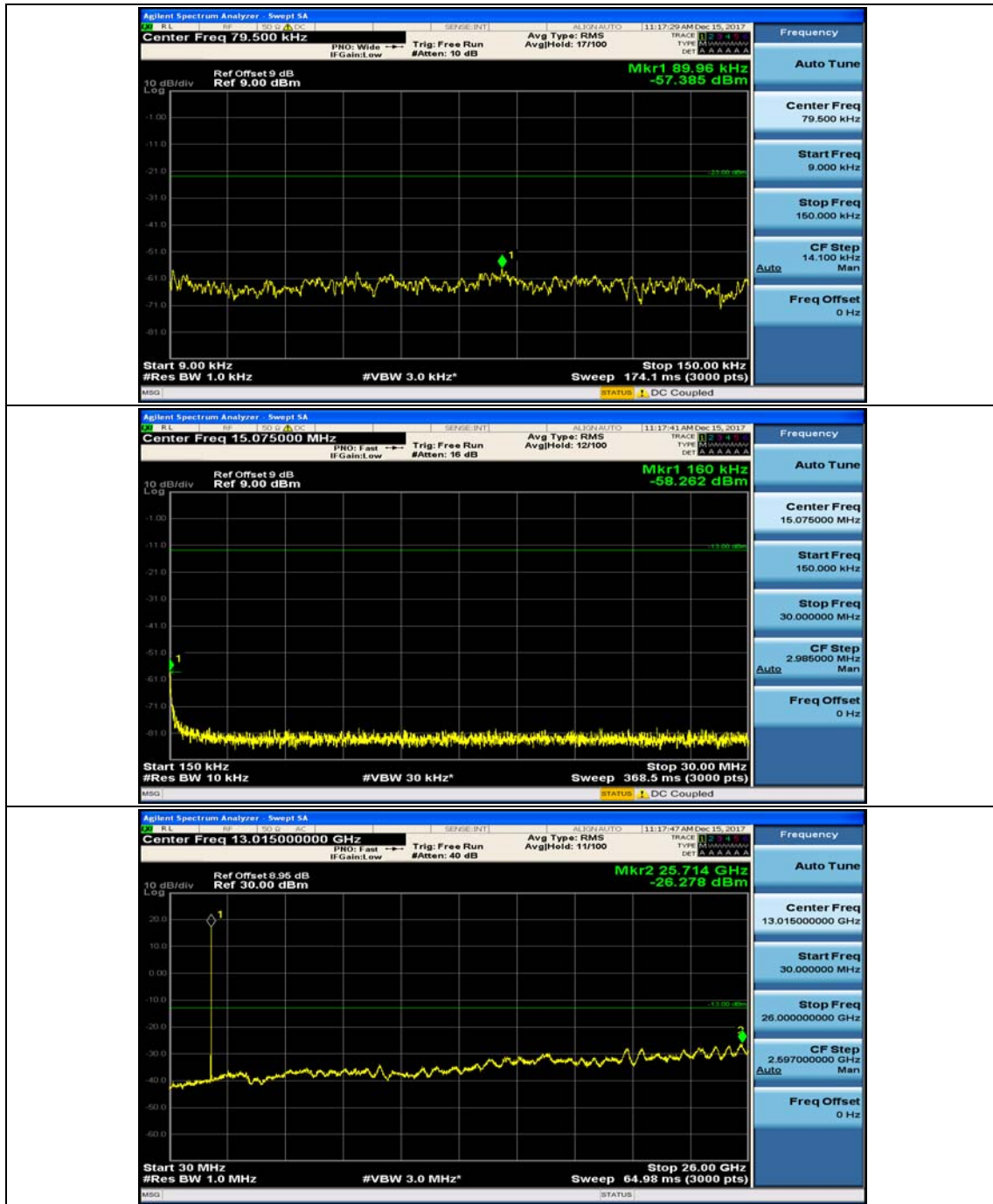


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

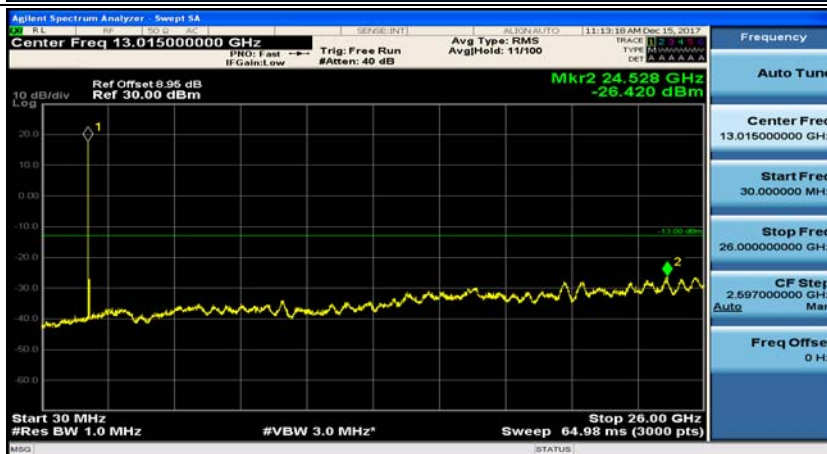
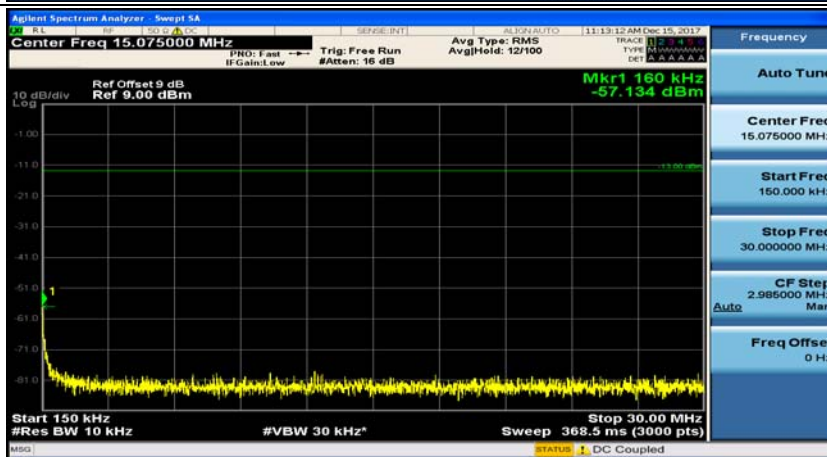
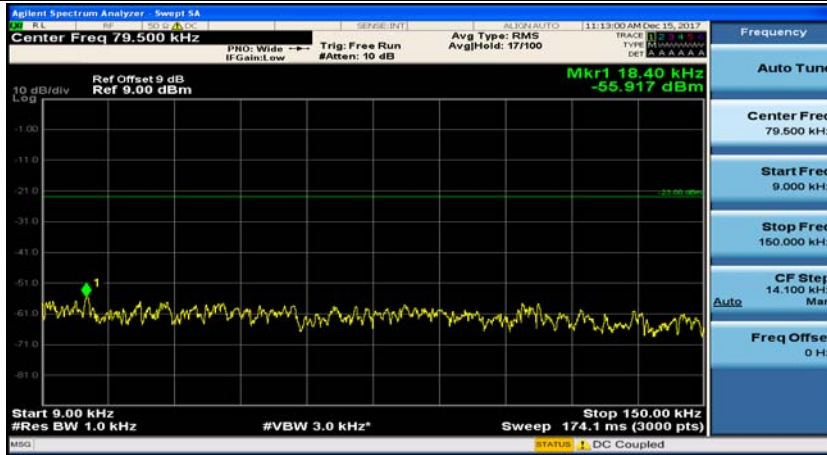


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

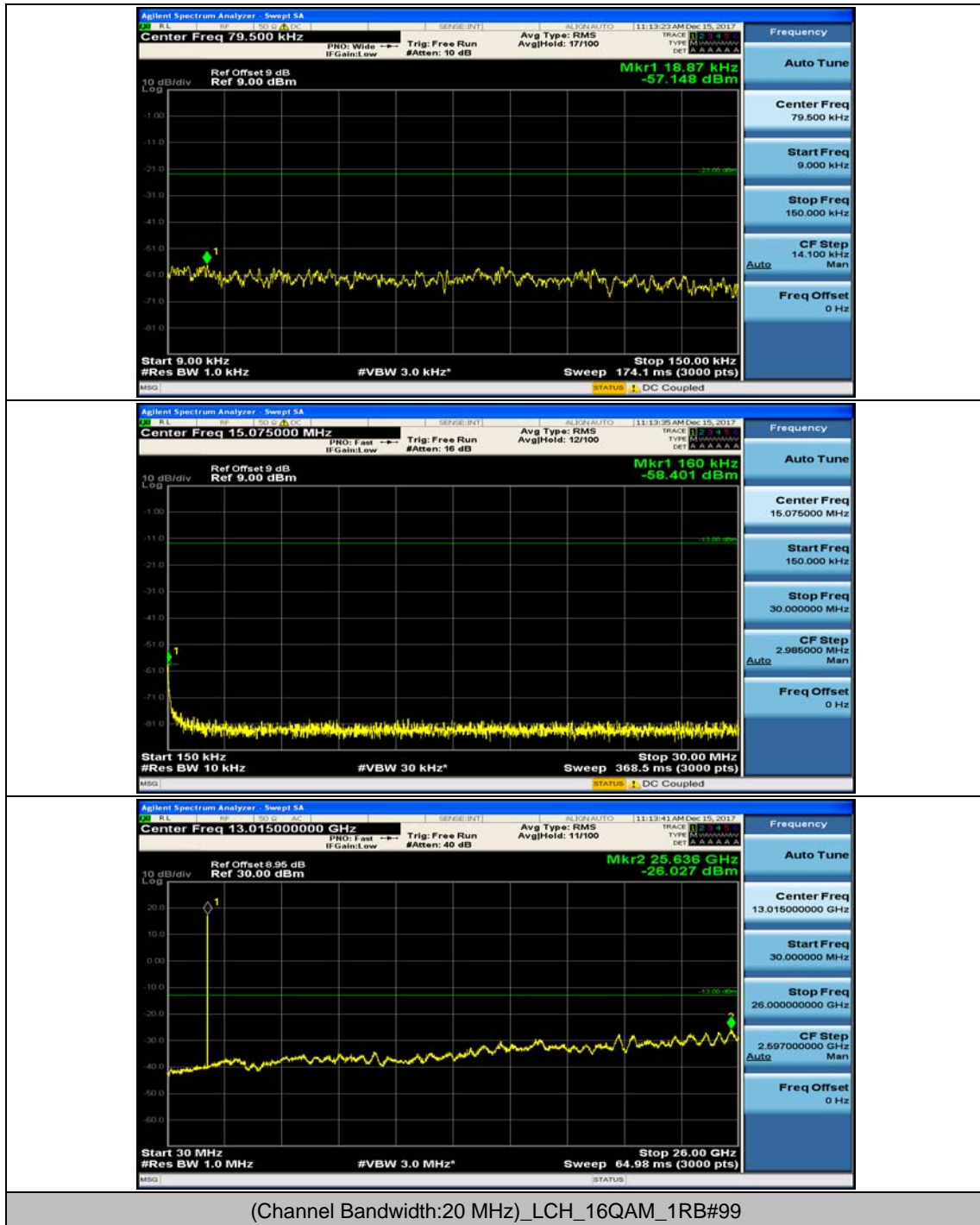


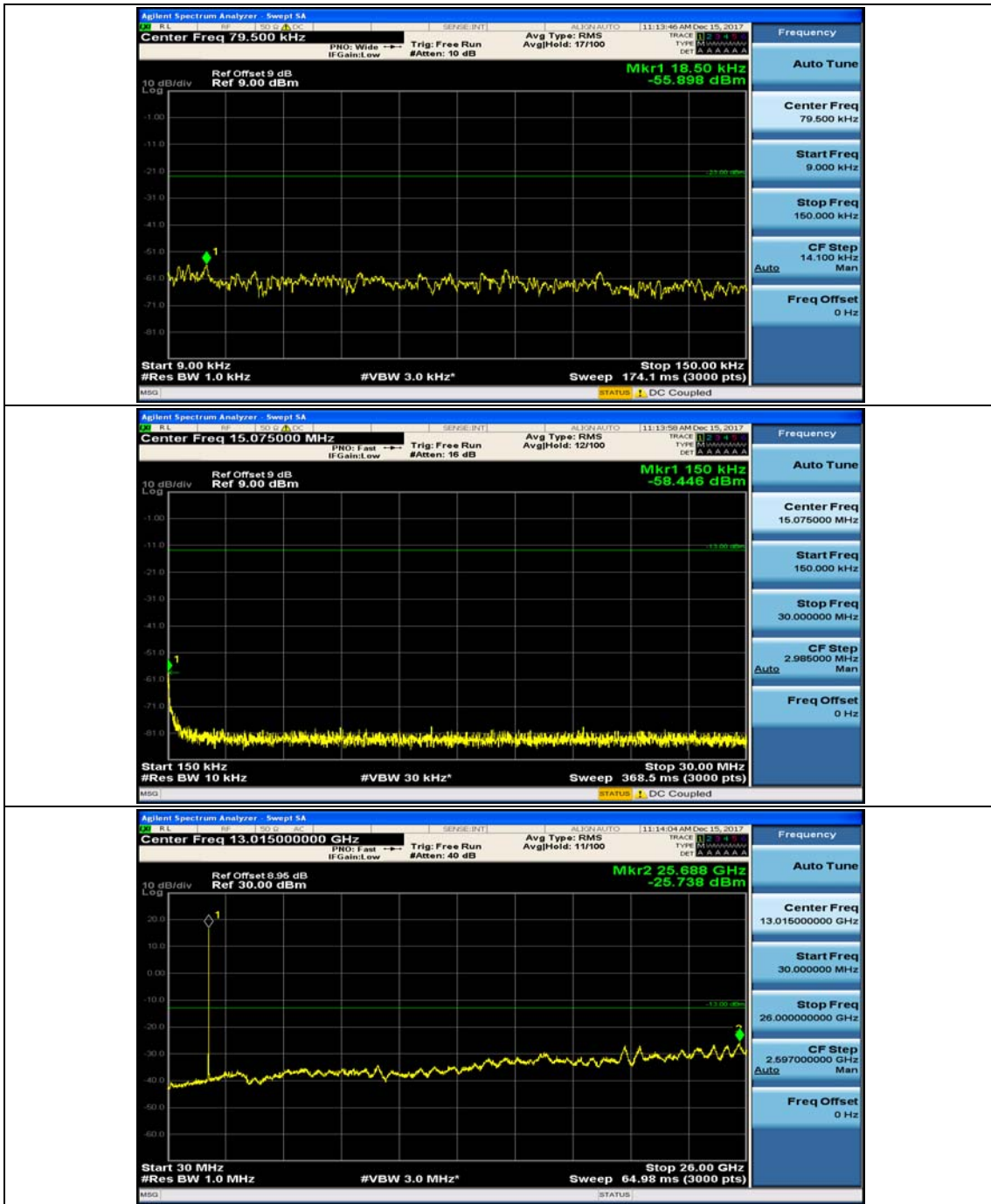


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

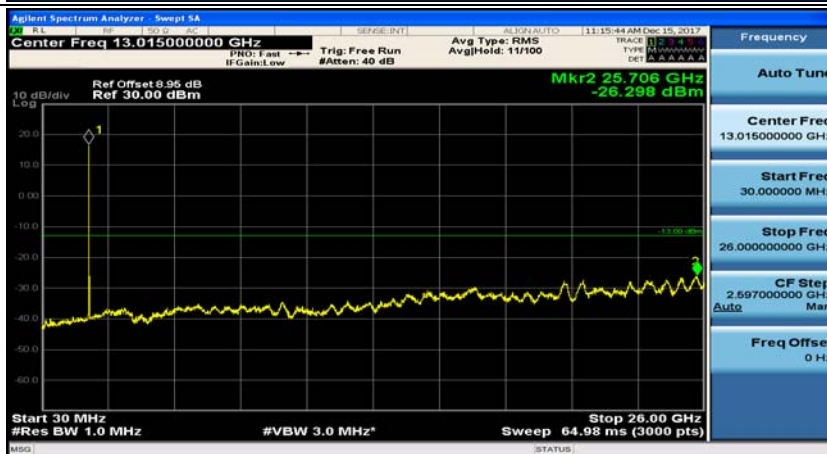
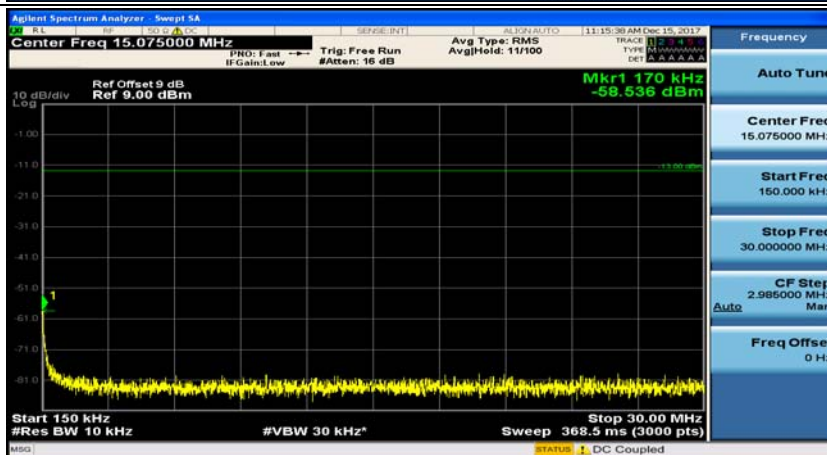
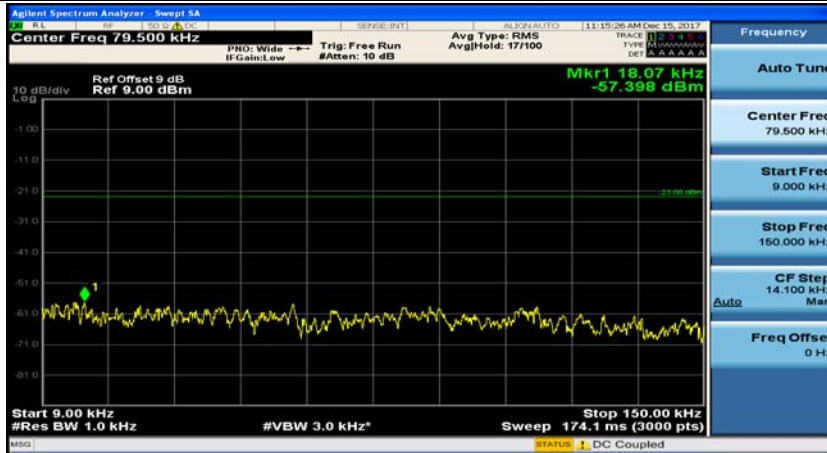


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

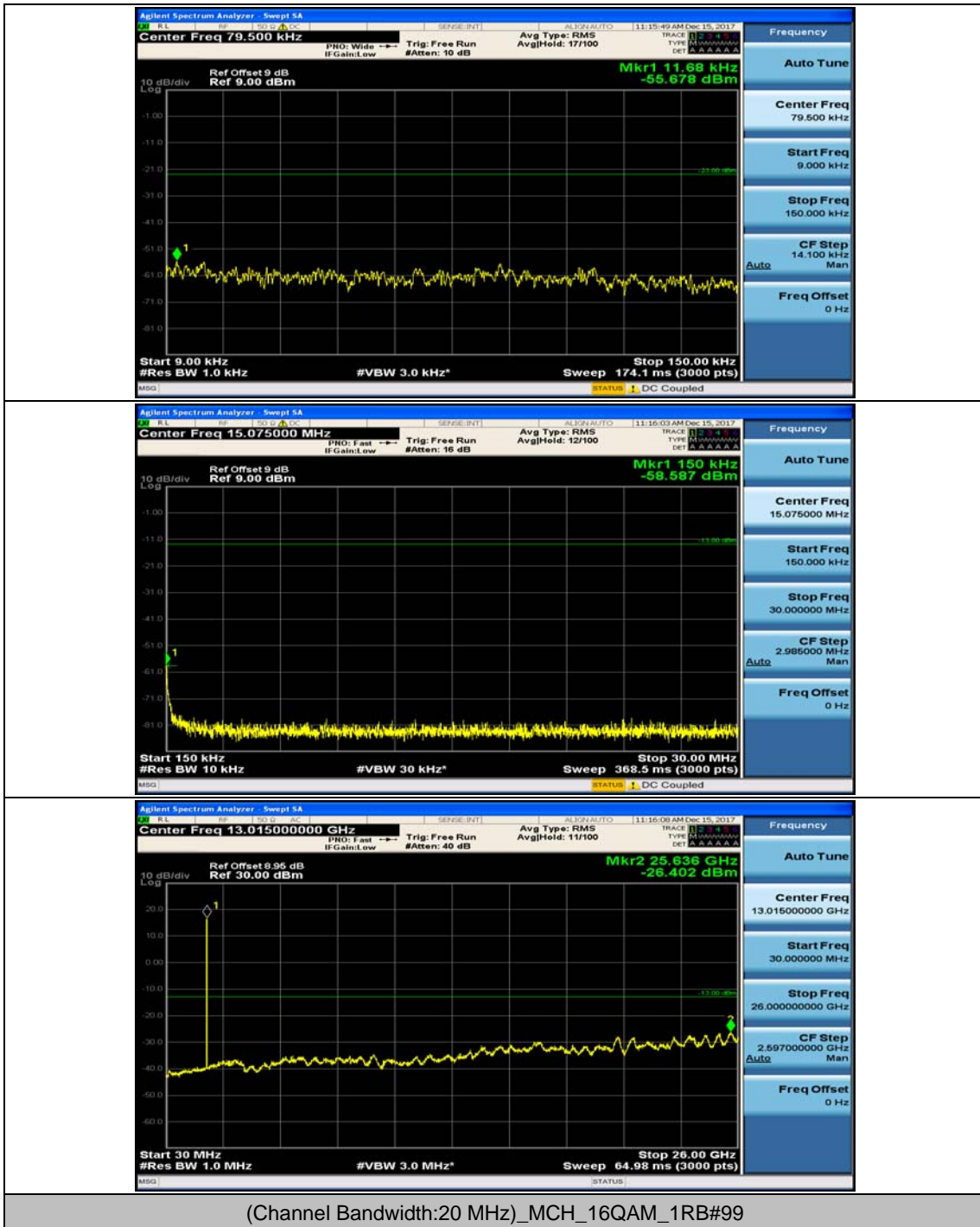


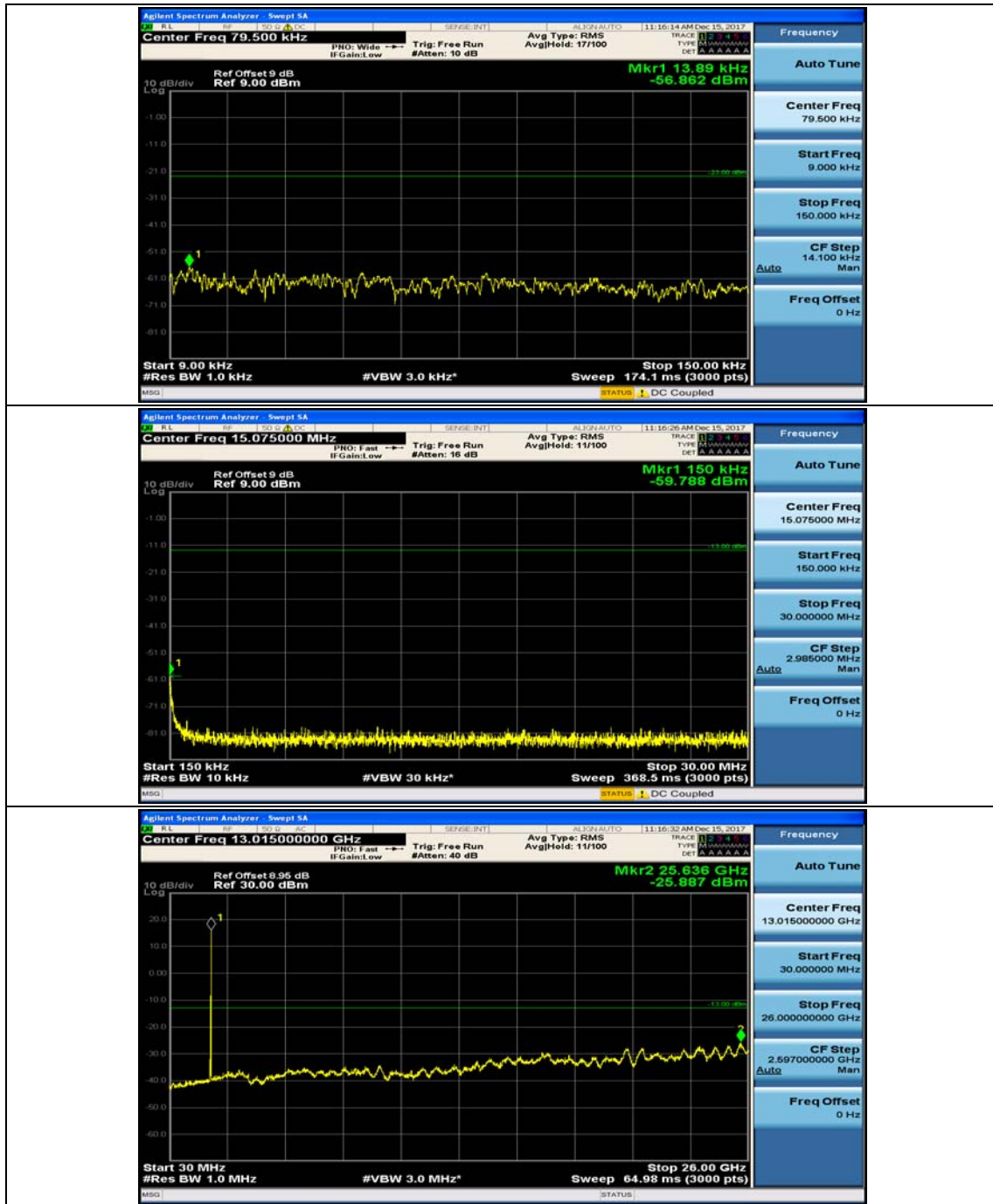


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

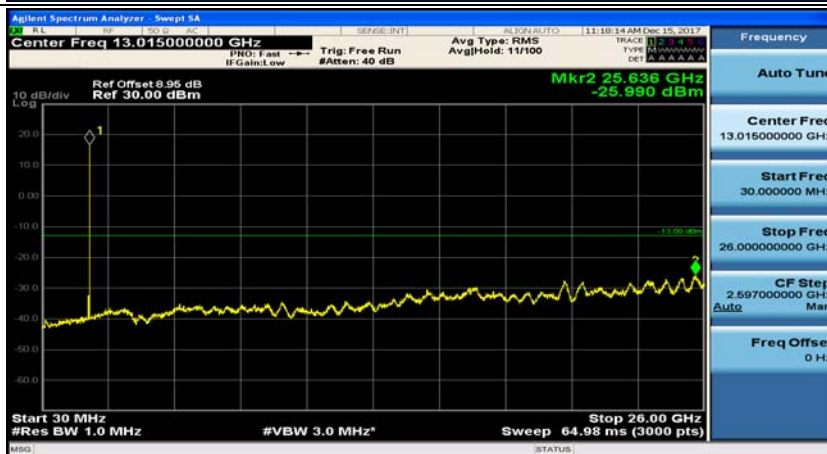
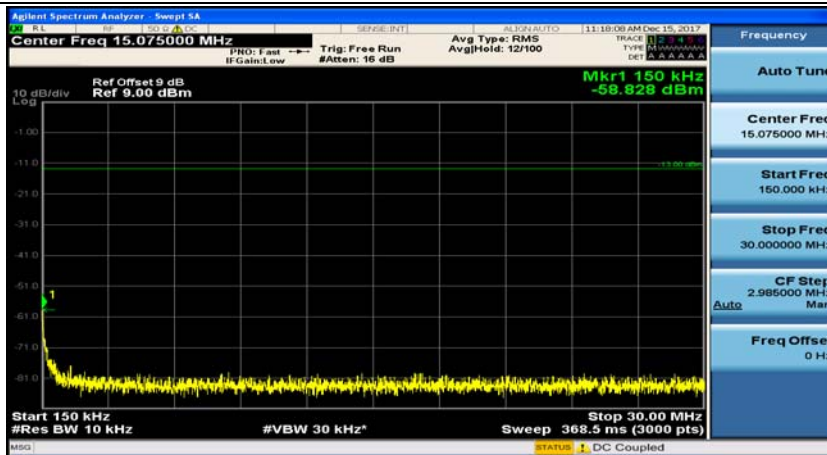


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

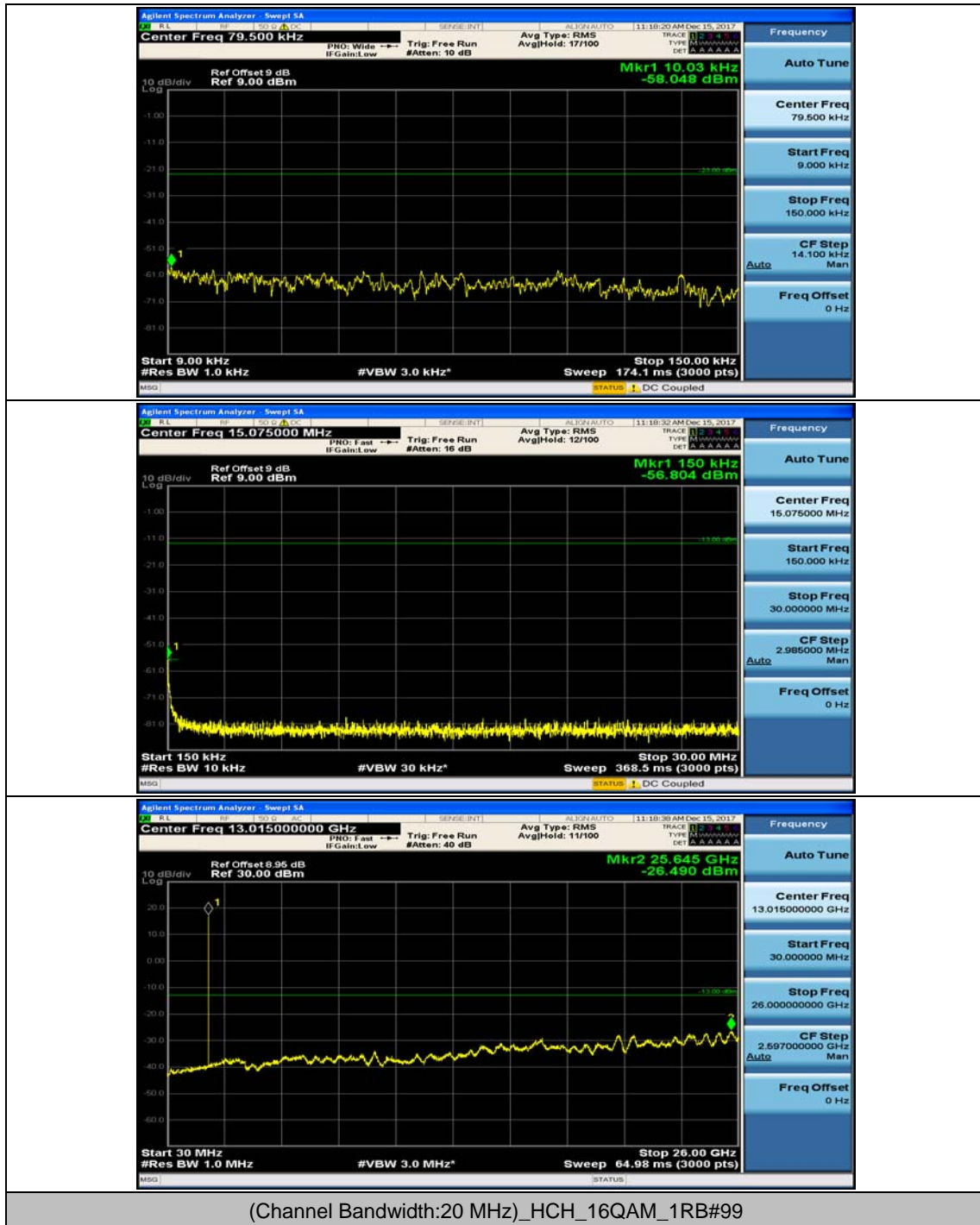


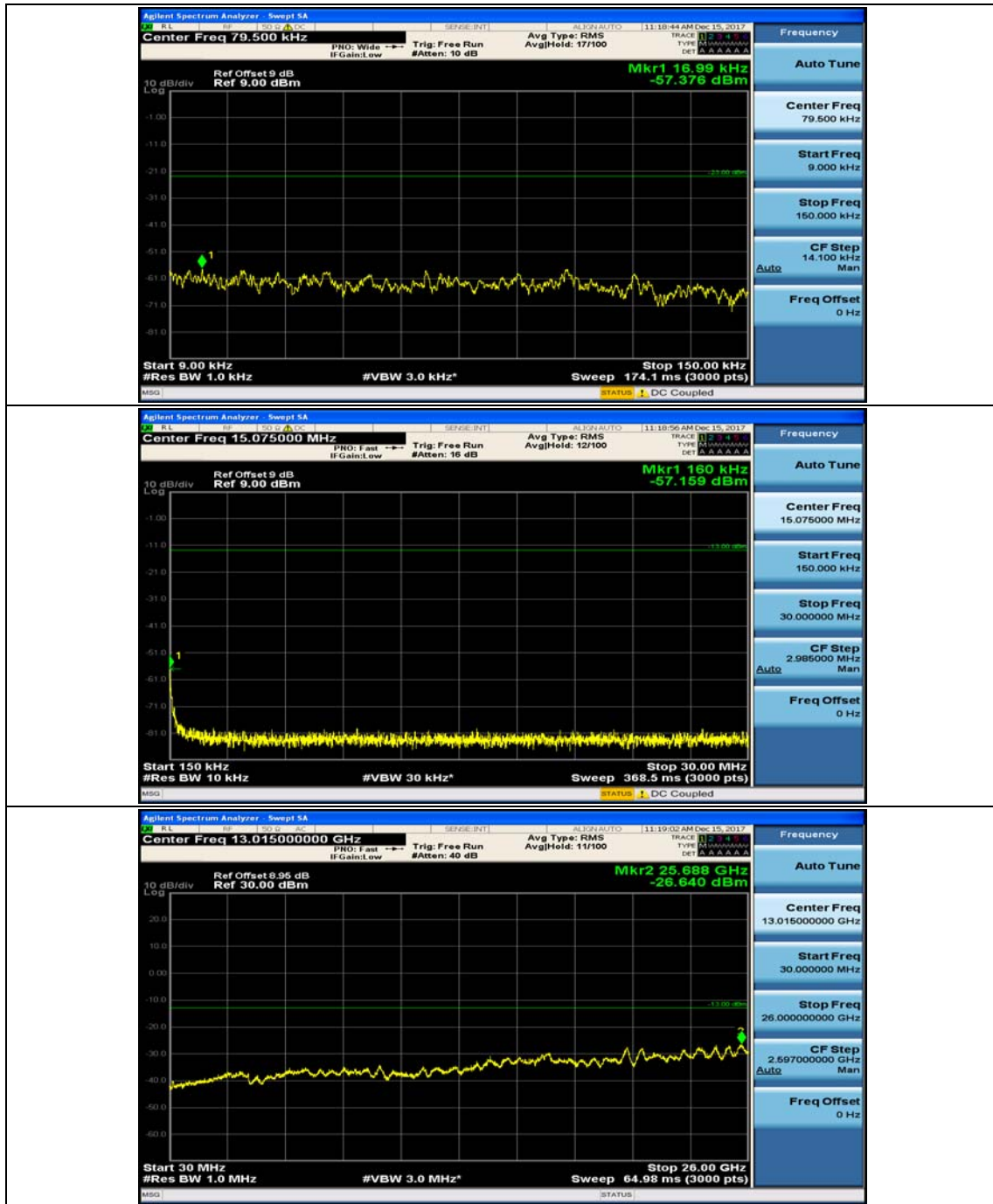


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	-1.77	-0.000956	± 2.5	PASS
		VN	TN	-0.98	-0.000530	± 2.5	PASS
		VH	TN	-1.13	-0.000611	± 2.5	PASS
	MCH	VL	TN	0.14	0.000074	± 2.5	PASS
		VN	TN	-0.09	-0.000048	± 2.5	PASS
		VH	TN	3.54	0.001883	± 2.5	PASS
	HCH	VL	TN	3.21	0.001681	± 2.5	PASS
		VN	TN	1.61	0.000843	± 2.5	PASS
		VH	TN	3.02	0.001582	± 2.5	PASS
16QAM	LCH	VL	TN	-1.24	-0.000670	± 2.5	PASS
		VN	TN	-0.69	-0.000373	± 2.5	PASS
		VH	TN	-0.05	-0.000027	± 2.5	PASS
	MCH	VL	TN	4.76	0.002532	± 2.5	PASS
		VN	TN	4.9	0.002606	± 2.5	PASS
		VH	TN	-1.8	-0.000957	± 2.5	PASS
	HCH	VL	TN	0.88	0.000461	± 2.5	PASS
		VN	TN	2.6	0.001362	± 2.5	PASS
		VH	TN	-0.77	-0.000403	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.71	0.001464	± 2.5	PASS
		VN	-20	3.59	0.001940	± 2.5	PASS
		VN	-10	1.22	0.000659	± 2.5	PASS
		VN	0	2.26	0.001221	± 2.5	PASS
		VN	10	-1.61	-0.000870	± 2.5	PASS
		VN	20	4.56	0.002464	± 2.5	PASS
		VN	30	2.48	0.001340	± 2.5	PASS
		VN	40	-1.17	-0.000632	± 2.5	PASS
	MCH	VN	-30	1.46	0.000777	± 2.5	PASS
		VN	-20	2.8	0.001489	± 2.5	PASS

		VN	-10	-1.93	-0.001027	± 2.5	PASS	
		VN	0	-0.33	-0.000176	± 2.5	PASS	
		VN	10	1.43	0.000761	± 2.5	PASS	
		VN	20	-1.01	-0.000537	± 2.5	PASS	
		VN	30	4.04	0.002149	± 2.5	PASS	
		VN	40	1.78	0.000947	± 2.5	PASS	
		VN	50	-0.46	-0.000245	± 2.5	PASS	
	HCH	VN	-30	-0.15	-0.000079	± 2.5	PASS	
		VN	-20	-1.12	-0.000587	± 2.5	PASS	
		VN	-10	1.82	0.000953	± 2.5	PASS	
		VN	0	0.79	0.000414	± 2.5	PASS	
		VN	10	4.15	0.002174	± 2.5	PASS	
		VN	20	1.43	0.000749	± 2.5	PASS	
		VN	30	-0.95	-0.000498	± 2.5	PASS	
	16QAM	LCH	VN	40	1.02	0.000534	± 2.5	PASS
			VN	50	3.42	0.001791	± 2.5	PASS
			VN	-30	3.91	0.002113	± 2.5	PASS
			VN	-20	0.4	0.000216	± 2.5	PASS
VN			-10	0.3	0.000162	± 2.5	PASS	
VN			0	-0.76	-0.000411	± 2.5	PASS	
VN			10	-1.84	-0.000994	± 2.5	PASS	
VN			20	3.59	0.001940	± 2.5	PASS	
VN			30	0.8	0.000432	± 2.5	PASS	
MCH		VN	40	0.87	0.000470	± 2.5	PASS	
		VN	50	-1.44	-0.000778	± 2.5	PASS	
		VN	-30	0.87	0.000463	± 2.5	PASS	
		VN	-20	-1.44	-0.000766	± 2.5	PASS	
		VN	-10	2.24	0.001191	± 2.5	PASS	
		VN	0	-1.99	-0.001059	± 2.5	PASS	
		VN	10	1.71	0.000910	± 2.5	PASS	
		VN	20	0.96	0.000511	± 2.5	PASS	
		VN	30	2.46	0.001309	± 2.5	PASS	
HCH	VN	40	-1.44	-0.000766	± 2.5	PASS		
	VN	50	4.51	0.002399	± 2.5	PASS		
	VN	-30	-0.77	-0.000403	± 2.5	PASS		
	VN	-20	4.2	0.002200	± 2.5	PASS		
	VN	-10	2.12	0.001110	± 2.5	PASS		
	VN	0	4.73	0.002477	± 2.5	PASS		
	VN	10	-1.77	-0.000927	± 2.5	PASS		
VN	20	-0.07	-0.000037	± 2.5	PASS			
VN	30	-0.3	-0.000157	± 2.5	PASS			

		VN	40	0.33	0.000173	± 2.5	PASS
		VN	50	4.73	0.002477	± 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	1.13	0.000610	± 2.5	PASS
		VN	TN	4.66	0.002517	± 2.5	PASS
		VH	TN	0.97	0.000524	± 2.5	PASS
	MCH	VL	TN	0.34	0.000181	± 2.5	PASS
		VN	TN	-0.2	-0.000106	± 2.5	PASS
		VH	TN	0.79	0.000420	± 2.5	PASS
	HCH	VL	TN	3.91	0.002049	± 2.5	PASS
		VN	TN	3.54	0.001855	± 2.5	PASS
		VH	TN	0.86	0.000451	± 2.5	PASS
16QAM	LCH	VL	TN	1.22	0.000659	± 2.5	PASS
		VN	TN	-0.79	-0.000427	± 2.5	PASS
		VH	TN	2.35	0.001269	± 2.5	PASS
	MCH	VL	TN	-0.94	-0.000500	± 2.5	PASS
		VN	TN	2.57	0.001367	± 2.5	PASS
		VH	TN	4.02	0.002138	± 2.5	PASS
	HCH	VL	TN	-0.26	-0.000136	± 2.5	PASS
		VN	TN	3.05	0.001598	± 2.5	PASS
		VH	TN	-1.35	-0.000707	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.9	0.002106	± 2.5	PASS
		VN	-20	4.48	0.002420	± 2.5	PASS
		VN	-10	-0.28	-0.000151	± 2.5	PASS
		VN	0	2.3	0.001242	± 2.5	PASS
		VN	10	2.39	0.001291	± 2.5	PASS
		VN	20	1.68	0.000907	± 2.5	PASS
		VN	30	-0.81	-0.000437	± 2.5	PASS
		VN	40	4.78	0.002582	± 2.5	PASS
		VN	50	4.63	0.002501	± 2.5	PASS
	MCH	VN	-30	1.55	0.000824	± 2.5	PASS
		VN	-20	4	0.002128	± 2.5	PASS
		VN	-10	3.77	0.002005	± 2.5	PASS

		VN	0	1.43	0.000761	± 2.5	PASS		
		VN	10	2.77	0.001473	± 2.5	PASS		
		VN	20	3.26	0.001734	± 2.5	PASS		
		VN	30	1.68	0.000894	± 2.5	PASS		
		VN	40	0.4	0.000213	± 2.5	PASS		
		VN	50	1.96	0.001043	± 2.5	PASS		
	HCH	VN	-30	2.7	0.001415	± 2.5	PASS		
		VN	-20	0.63	0.000330	± 2.5	PASS		
		VN	-10	4.18	0.002190	± 2.5	PASS		
		VN	0	-0.21	-0.000110	± 2.5	PASS		
		VN	10	2.69	0.001409	± 2.5	PASS		
		VN	20	0.11	0.000058	± 2.5	PASS		
		VN	30	3.51	0.001839	± 2.5	PASS		
		VN	40	1.14	0.000597	± 2.5	PASS		
		VN	50	1.46	0.000765	± 2.5	PASS		
		16QAM	LCH	VN	-30	-2	-0.001080	± 2.5	PASS
				VN	-20	-1.49	-0.000805	± 2.5	PASS
				VN	-10	-1.35	-0.000729	± 2.5	PASS
VN	0			2.52	0.001361	± 2.5	PASS		
VN	10			2.43	0.001312	± 2.5	PASS		
VN	20			-1.05	-0.000567	± 2.5	PASS		
VN	30			2.05	0.001107	± 2.5	PASS		
VN	40			-0.64	-0.000346	± 2.5	PASS		
VN	50			0.51	0.000275	± 2.5	PASS		
MCH	VN		-30	2.36	0.001255	± 2.5	PASS		
	VN		-20	2.08	0.001106	± 2.5	PASS		
	VN		-10	3.29	0.001750	± 2.5	PASS		
	VN		0	1.31	0.000697	± 2.5	PASS		
	VN		10	-0.26	-0.000138	± 2.5	PASS		
	VN		20	2.38	0.001266	± 2.5	PASS		
	VN		30	2.81	0.001495	± 2.5	PASS		
	VN		40	0.57	0.000303	± 2.5	PASS		
	VN		50	1.16	0.000617	± 2.5	PASS		
HCH	VN		-30	-1.36	-0.000713	± 2.5	PASS		
	VN		-20	-1.06	-0.000555	± 2.5	PASS		
	VN		-10	-0.91	-0.000477	± 2.5	PASS		
	VN		0	1.25	0.000655	± 2.5	PASS		
	VN		10	-1	-0.000524	± 2.5	PASS		
	VN		20	0.93	0.000487	± 2.5	PASS		
	VN		30	1.03	0.000540	± 2.5	PASS		
	VN		40	4.04	0.002117	± 2.5	PASS		

		VN	50	-1.31	-0.000686	± 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	2.65	0.001430	± 2.5	PASS
		VN	TN	-1.51	-0.000815	± 2.5	PASS
		VH	TN	3.02	0.001630	± 2.5	PASS
	MCH	VL	TN	4.94	0.002628	± 2.5	PASS
		VN	TN	3.86	0.002053	± 2.5	PASS
		VH	TN	2.48	0.001319	± 2.5	PASS
	HCH	VL	TN	1.19	0.000624	± 2.5	PASS
		VN	TN	4.21	0.002207	± 2.5	PASS
		VH	TN	-0.53	-0.000278	± 2.5	PASS
16QAM	LCH	VL	TN	3.28	0.001771	± 2.5	PASS
		VN	TN	2.24	0.001209	± 2.5	PASS
		VH	TN	0.82	0.000443	± 2.5	PASS
	MCH	VL	TN	1.41	0.000750	± 2.5	PASS
		VN	TN	2.69	0.001431	± 2.5	PASS
		VH	TN	-1.48	-0.000787	± 2.5	PASS
	HCH	VL	TN	-0.72	-0.000377	± 2.5	PASS
		VN	TN	3.4	0.001782	± 2.5	PASS
		VH	TN	1.41	0.000739	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.85	0.002078	± 2.5	PASS
		VN	-20	4.57	0.002467	± 2.5	PASS
		VN	-10	1.03	0.000556	± 2.5	PASS
		VN	0	-1.3	-0.000702	± 2.5	PASS
		VN	10	4.22	0.002278	± 2.5	PASS
		VN	20	-1.82	-0.000982	± 2.5	PASS
		VN	30	3.31	0.001787	± 2.5	PASS
		VN	40	4.23	0.002283	± 2.5	PASS
		VN	50	4.35	0.002348	± 2.5	PASS
	MCH	VN	-30	3.27	0.001739	± 2.5	PASS
		VN	-20	0.59	0.000314	± 2.5	PASS
		VN	-10	3.81	0.002027	± 2.5	PASS
		VN	0	4.25	0.002261	± 2.5	PASS

		VN	10	1.94	0.001032	± 2.5	PASS
		VN	20	1.36	0.000723	± 2.5	PASS
		VN	30	3.17	0.001686	± 2.5	PASS
		VN	40	4.37	0.002324	± 2.5	PASS
		VN	50	2.48	0.001319	± 2.5	PASS
	HCH	VN	-30	4.44	0.002328	± 2.5	PASS
		VN	-20	-0.86	-0.000451	± 2.5	PASS
		VN	-10	1.5	0.000786	± 2.5	PASS
		VN	0	2.22	0.001164	± 2.5	PASS
		VN	10	1.52	0.000797	± 2.5	PASS
		VN	20	-1.5	-0.000786	± 2.5	PASS
		VN	30	4.84	0.002537	± 2.5	PASS
		VN	40	-1.85	-0.000970	± 2.5	PASS
		VN	50	-0.6	-0.000315	± 2.5	PASS
		16QAM	LCH	VN	-30	0.39	0.000211
VN	-20			-0.75	-0.000405	± 2.5	PASS
VN	-10			-1.46	-0.000788	± 2.5	PASS
VN	0			-1.84	-0.000993	± 2.5	PASS
VN	10			3.55	0.001916	± 2.5	PASS
VN	20			-1.77	-0.000955	± 2.5	PASS
VN	30			0.89	0.000480	± 2.5	PASS
VN	40			-1.9	-0.001026	± 2.5	PASS
VN	50			0.32	0.000173	± 2.5	PASS
MCH	VN		-30	4.78	0.002543	± 2.5	PASS
	VN		-20	-1.58	-0.000840	± 2.5	PASS
	VN		-10	2.34	0.001245	± 2.5	PASS
	VN		0	-1.52	-0.000809	± 2.5	PASS
	VN		10	2	0.001064	± 2.5	PASS
	VN		20	4.52	0.002404	± 2.5	PASS
	VN		30	-1.01	-0.000537	± 2.5	PASS
	VN		40	-0.4	-0.000213	± 2.5	PASS
	VN		50	-1.75	-0.000931	± 2.5	PASS
HCH	VN		-30	4.96	0.002600	± 2.5	PASS
	VN		-20	1.41	0.000739	± 2.5	PASS
	VN		-10	-0.48	-0.000252	± 2.5	PASS
	VN		0	0.97	0.000509	± 2.5	PASS
	VN		10	1.48	0.000776	± 2.5	PASS
	VN		20	0.61	0.000320	± 2.5	PASS
	VN		30	-1.94	-0.001017	± 2.5	PASS
	VN		40	2.11	0.001106	± 2.5	PASS
	VN		50	3.06	0.001604	± 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	1.83	0.000987	± 2.5	PASS
		VN	TN	-1.15	-0.000620	± 2.5	PASS
		VH	TN	2.8	0.001509	± 2.5	PASS
	MCH	VL	TN	-1.39	-0.000739	± 2.5	PASS
		VN	TN	2.47	0.001314	± 2.5	PASS
		VH	TN	3.65	0.001941	± 2.5	PASS
	HCH	VL	TN	1.84	0.000966	± 2.5	PASS
		VN	TN	0.88	0.000462	± 2.5	PASS
		VH	TN	2.14	0.001123	± 2.5	PASS
16QAM	LCH	VL	TN	0.03	0.000016	± 2.5	PASS
		VN	TN	0.4	0.000216	± 2.5	PASS
		VH	TN	1.49	0.000803	± 2.5	PASS
	MCH	VL	TN	4.68	0.002489	± 2.5	PASS
		VN	TN	0.44	0.000234	± 2.5	PASS
		VH	TN	0.88	0.000468	± 2.5	PASS
	HCH	VL	TN	-1.9	-0.000997	± 2.5	PASS
		VN	TN	-1.91	-0.001003	± 2.5	PASS
		VH	TN	2.86	0.001501	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.5	-0.000270	± 2.5	PASS
		VN	-20	2.61	0.001407	± 2.5	PASS
		VN	-10	-0.48	-0.000259	± 2.5	PASS
		VN	0	2.77	0.001493	± 2.5	PASS
		VN	10	3.8	0.002049	± 2.5	PASS
		VN	20	4.62	0.002491	± 2.5	PASS
		VN	30	-0.08	-0.000043	± 2.5	PASS
		VN	40	-1.77	-0.000954	± 2.5	PASS
		VN	50	0.26	0.000140	± 2.5	PASS
	MCH	VN	-30	-1.83	-0.000973	± 2.5	PASS
		VN	-20	3.35	0.001782	± 2.5	PASS
		VN	-10	3.55	0.001888	± 2.5	PASS
		VN	0	1.46	0.000777	± 2.5	PASS
		VN	10	2.06	0.001096	± 2.5	PASS
		VN	20	1.16	0.000617	± 2.5	PASS

		VN	30	1.19	0.000633	± 2.5	PASS
		VN	40	4.62	0.002457	± 2.5	PASS
		VN	50	-0.99	-0.000527	± 2.5	PASS
	HCH	VN	-30	-0.82	-0.000430	± 2.5	PASS
		VN	-20	3.03	0.001591	± 2.5	PASS
		VN	-10	1.13	0.000593	± 2.5	PASS
		VN	0	-0.08	-0.000042	± 2.5	PASS
		VN	10	-1.72	-0.000903	± 2.5	PASS
		VN	20	2.06	0.001081	± 2.5	PASS
		VN	30	2.47	0.001297	± 2.5	PASS
		VN	40	2.82	0.001480	± 2.5	PASS
		VN	50	4.33	0.002273	± 2.5	PASS
16QAM	LCH	VN	-30	-0.41	-0.000221	± 2.5	PASS
		VN	-20	4.22	0.002275	± 2.5	PASS
		VN	-10	-0.5	-0.000270	± 2.5	PASS
		VN	0	-0.73	-0.000394	± 2.5	PASS
		VN	10	3.93	0.002119	± 2.5	PASS
		VN	20	3.5	0.001887	± 2.5	PASS
		VN	30	1.23	0.000663	± 2.5	PASS
		VN	40	3.3	0.001779	± 2.5	PASS
		VN	50	4.74	0.002555	± 2.5	PASS
	MCH	VN	-30	1.89	0.001005	± 2.5	PASS
		VN	-20	3.74	0.001989	± 2.5	PASS
		VN	-10	0.1	0.000053	± 2.5	PASS
		VN	0	-1.46	-0.000777	± 2.5	PASS
		VN	10	-0.86	-0.000457	± 2.5	PASS
		VN	20	2.07	0.001101	± 2.5	PASS
		VN	30	0.24	0.000128	± 2.5	PASS
		VN	40	2.11	0.001122	± 2.5	PASS
		VN	50	1.82	0.000968	± 2.5	PASS
	HCH	VN	-30	3.69	0.001937	± 2.5	PASS
		VN	-20	0.73	0.000383	± 2.5	PASS
		VN	-10	-1.61	-0.000845	± 2.5	PASS
		VN	0	-0.28	-0.000147	± 2.5	PASS
		VN	10	1.83	0.000961	± 2.5	PASS
		VN	20	4.12	0.002163	± 2.5	PASS
		VN	30	1.83	0.000961	± 2.5	PASS
		VN	40	-0.87	-0.000457	± 2.5	PASS
		VN	50	1.41	0.000740	± 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	3.82	0.002057	± 2.5	PASS
		VN	TN	-0.64	-0.000345	± 2.5	PASS
		VH	TN	2.08	0.001120	± 2.5	PASS
	MCH	VL	TN	2.6	0.001383	± 2.5	PASS
		VN	TN	-1.06	-0.000564	± 2.5	PASS
		VH	TN	2.84	0.001511	± 2.5	PASS
	HCH	VL	TN	2.94	0.001545	± 2.5	PASS
		VN	TN	1.3	0.000683	± 2.5	PASS
		VH	TN	4.92	0.002586	± 2.5	PASS
16QAM	LCH	VL	TN	2.09	0.001125	± 2.5	PASS
		VN	TN	-1.94	-0.001044	± 2.5	PASS
		VH	TN	0.05	0.000027	± 2.5	PASS
	MCH	VL	TN	-0.88	-0.000468	± 2.5	PASS
		VN	TN	0.37	0.000197	± 2.5	PASS
		VH	TN	-1.51	-0.000803	± 2.5	PASS
	HCH	VL	TN	0.96	0.000505	± 2.5	PASS
		VN	TN	2.27	0.001193	± 2.5	PASS
		VH	TN	4.06	0.002134	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.79	0.000964	± 2.5	PASS
		VN	-20	1.82	0.000980	± 2.5	PASS
		VN	-10	-1.85	-0.000996	± 2.5	PASS
		VN	0	-0.51	-0.000275	± 2.5	PASS
		VN	10	2.06	0.001109	± 2.5	PASS
		VN	20	-0.15	-0.000081	± 2.5	PASS
		VN	30	0.68	0.000366	± 2.5	PASS
		VN	40	1.79	0.000964	± 2.5	PASS
		VN	50	3.98	0.002143	± 2.5	PASS
	MCH	VN	-30	0.24	0.000128	± 2.5	PASS
		VN	-20	3.92	0.002085	± 2.5	PASS
		VN	-10	1.86	0.000989	± 2.5	PASS
		VN	0	0.47	0.000250	± 2.5	PASS
		VN	10	3.04	0.001617	± 2.5	PASS
		VN	20	-0.18	-0.000096	± 2.5	PASS

		VN	30	2.17	0.001154	± 2.5	PASS
		VN	40	4.26	0.002266	± 2.5	PASS
		VN	50	2.96	0.001574	± 2.5	PASS
	HCH	VN	-30	-0.16	-0.000084	± 2.5	PASS
		VN	-20	1.44	0.000757	± 2.5	PASS
		VN	-10	-1.03	-0.000541	± 2.5	PASS
		VN	0	-0.56	-0.000294	± 2.5	PASS
		VN	10	-1.94	-0.001020	± 2.5	PASS
		VN	20	0.04	0.000021	± 2.5	PASS
		VN	30	3.15	0.001656	± 2.5	PASS
		VN	40	3.88	0.002039	± 2.5	PASS
		VN	50	0.42	0.000221	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.68	-0.000366
VN	-20			3.31	0.001782	± 2.5	PASS
VN	-10			0.1	0.000054	± 2.5	PASS
VN	0			0.36	0.000194	± 2.5	PASS
VN	10			1.99	0.001071	± 2.5	PASS
VN	20			1.93	0.001039	± 2.5	PASS
VN	30			0.03	0.000016	± 2.5	PASS
VN	40			4.89	0.002633	± 2.5	PASS
VN	50			4.7	0.002530	± 2.5	PASS
MCH	VN		-30	2.93	0.001559	± 2.5	PASS
	VN		-20	-0.85	-0.000452	± 2.5	PASS
	VN		-10	3.42	0.001819	± 2.5	PASS
	VN		0	-1.66	-0.000883	± 2.5	PASS
	VN		10	1.74	0.000926	± 2.5	PASS
	VN		20	0.14	0.000074	± 2.5	PASS
	VN		30	2.52	0.001340	± 2.5	PASS
	VN		40	2.67	0.001420	± 2.5	PASS
	VN		50	3.02	0.001606	± 2.5	PASS
HCH	VN		-30	3.97	0.002087	± 2.5	PASS
	VN		-20	2.64	0.001388	± 2.5	PASS
	VN		-10	3.96	0.002081	± 2.5	PASS
	VN		0	-1.95	-0.001025	± 2.5	PASS
	VN		10	3.48	0.001829	± 2.5	PASS
	VN		20	-0.05	-0.000026	± 2.5	PASS
	VN		30	3.01	0.001582	± 2.5	PASS
	VN		40	-1	-0.000526	± 2.5	PASS
	VN		50	4.33	0.002276	± 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	4.16	0.002237	± 2.5	PASS
		VN	TN	-1.95	-0.001048	± 2.5	PASS
		VH	TN	-1.47	-0.000790	± 2.5	PASS
	MCH	VL	TN	4.72	0.002511	± 2.5	PASS
		VN	TN	3.08	0.001638	± 2.5	PASS
		VH	TN	-1.96	-0.001043	± 2.5	PASS
	HCH	VL	TN	1.39	0.000732	± 2.5	PASS
		VN	TN	3.36	0.001768	± 2.5	PASS
		VH	TN	-1.98	-0.001042	± 2.5	PASS
16QAM	LCH	VL	TN	1.37	0.000737	± 2.5	PASS
		VN	TN	-1.29	-0.000694	± 2.5	PASS
		VH	TN	2.68	0.001441	± 2.5	PASS
	MCH	VL	TN	-0.04	-0.000021	± 2.5	PASS
		VN	TN	4.28	0.002277	± 2.5	PASS
		VH	TN	-1.94	-0.001032	± 2.5	PASS
	HCH	VL	TN	0.67	0.000353	± 2.5	PASS
		VN	TN	4.71	0.002479	± 2.5	PASS
		VH	TN	-0.13	-0.000068	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.31	0.002317	± 2.5	PASS
		VN	-20	1.69	0.000909	± 2.5	PASS
		VN	-10	-0.2	-0.000108	± 2.5	PASS
		VN	0	0.1	0.000054	± 2.5	PASS
		VN	10	4.21	0.002263	± 2.5	PASS
		VN	20	1.57	0.000844	± 2.5	PASS
		VN	30	0.8	0.000430	± 2.5	PASS
		VN	40	3.48	0.001871	± 2.5	PASS
		VN	50	-1.46	-0.000785	± 2.5	PASS
	MCH	VN	-30	0.58	0.000309	± 2.5	PASS
		VN	-20	3.81	0.002027	± 2.5	PASS
		VN	-10	-1.33	-0.000707	± 2.5	PASS
		VN	0	-0.02	-0.000011	± 2.5	PASS
		VN	10	3.53	0.001878	± 2.5	PASS
		VN	20	3.62	0.001926	± 2.5	PASS

		VN	30	1.63	0.000867	± 2.5	PASS
		VN	40	0.62	0.000330	± 2.5	PASS
		VN	50	1.34	0.000713	± 2.5	PASS
	HCH	VN	-30	-0.67	-0.000353	± 2.5	PASS
		VN	-20	2.53	0.001332	± 2.5	PASS
		VN	-10	2.17	0.001142	± 2.5	PASS
		VN	0	-1.07	-0.000563	± 2.5	PASS
		VN	10	-0.17	-0.000089	± 2.5	PASS
		VN	20	-1.15	-0.000605	± 2.5	PASS
		VN	30	-0.75	-0.000395	± 2.5	PASS
		VN	40	2.95	0.001553	± 2.5	PASS
		VN	50	1.22	0.000642	± 2.5	PASS
16QAM	LCH	VN	-30	3.64	0.001957	± 2.5	PASS
		VN	-20	0.13	0.000070	± 2.5	PASS
		VN	-10	-0.18	-0.000097	± 2.5	PASS
		VN	0	4.85	0.002608	± 2.5	PASS
		VN	10	2.05	0.001102	± 2.5	PASS
		VN	20	2.63	0.001414	± 2.5	PASS
		VN	30	4.35	0.002339	± 2.5	PASS
		VN	40	3.66	0.001968	± 2.5	PASS
		VN	50	4.89	0.002629	± 2.5	PASS
	MCH	VN	-30	-1.03	-0.000548	± 2.5	PASS
		VN	-20	2.8	0.001489	± 2.5	PASS
		VN	-10	-1.87	-0.000995	± 2.5	PASS
		VN	0	0.31	0.000165	± 2.5	PASS
		VN	10	-0.11	-0.000059	± 2.5	PASS
		VN	20	4.15	0.002207	± 2.5	PASS
		VN	30	-0.59	-0.000314	± 2.5	PASS
		VN	40	3.61	0.001920	± 2.5	PASS
		VN	50	-1.83	-0.000973	± 2.5	PASS
	HCH	VN	-30	-0.45	-0.000237	± 2.5	PASS
		VN	-20	0.94	0.000495	± 2.5	PASS
		VN	-10	2.57	0.001353	± 2.5	PASS
		VN	0	3.68	0.001937	± 2.5	PASS
		VN	10	4	0.002105	± 2.5	PASS
		VN	20	-1.72	-0.000905	± 2.5	PASS
VN		30	-1.46	-0.000768	± 2.5	PASS	
VN		40	2.77	0.001458	± 2.5	PASS	
VN		50	-0.72	-0.000379	± 2.5	PASS	