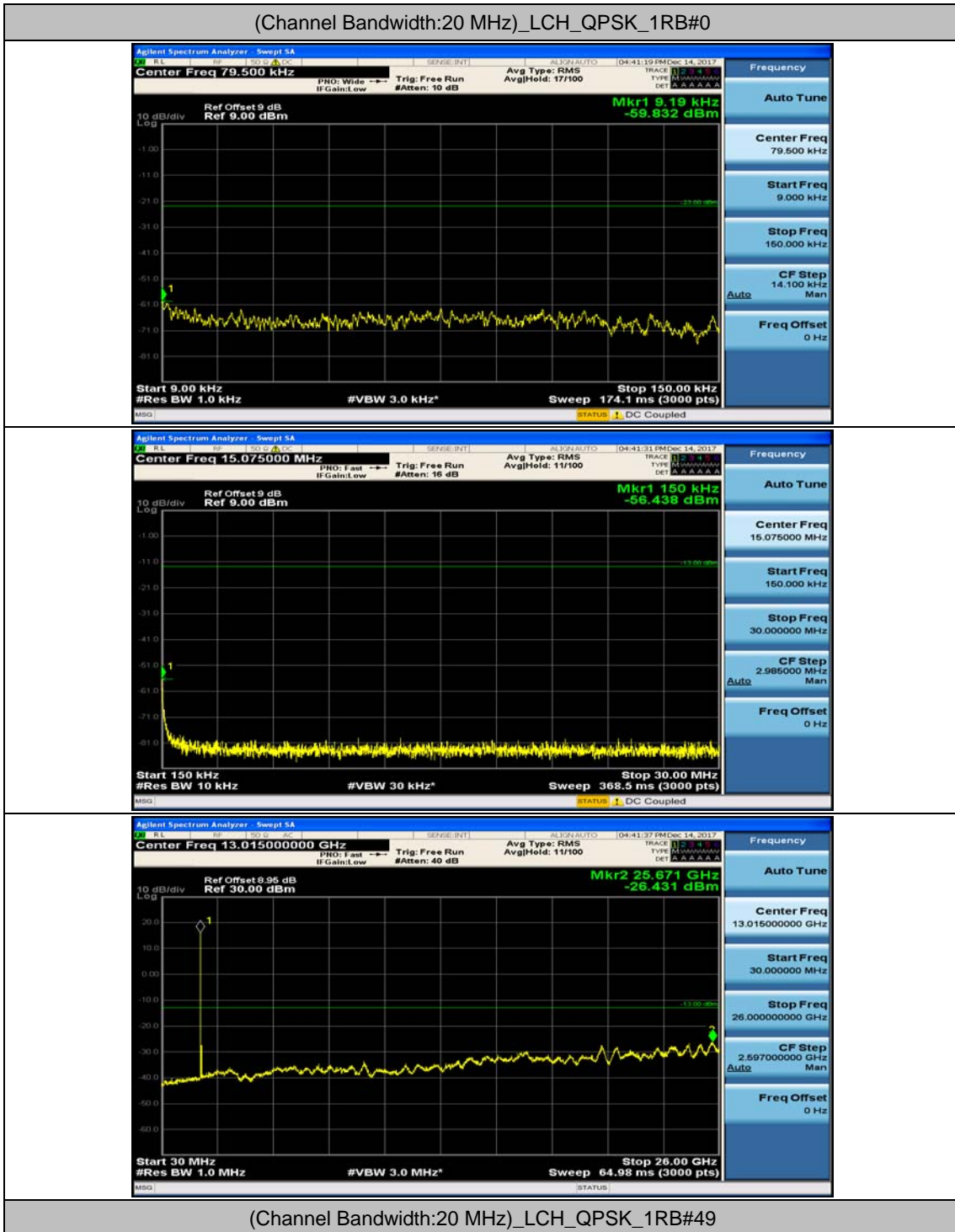
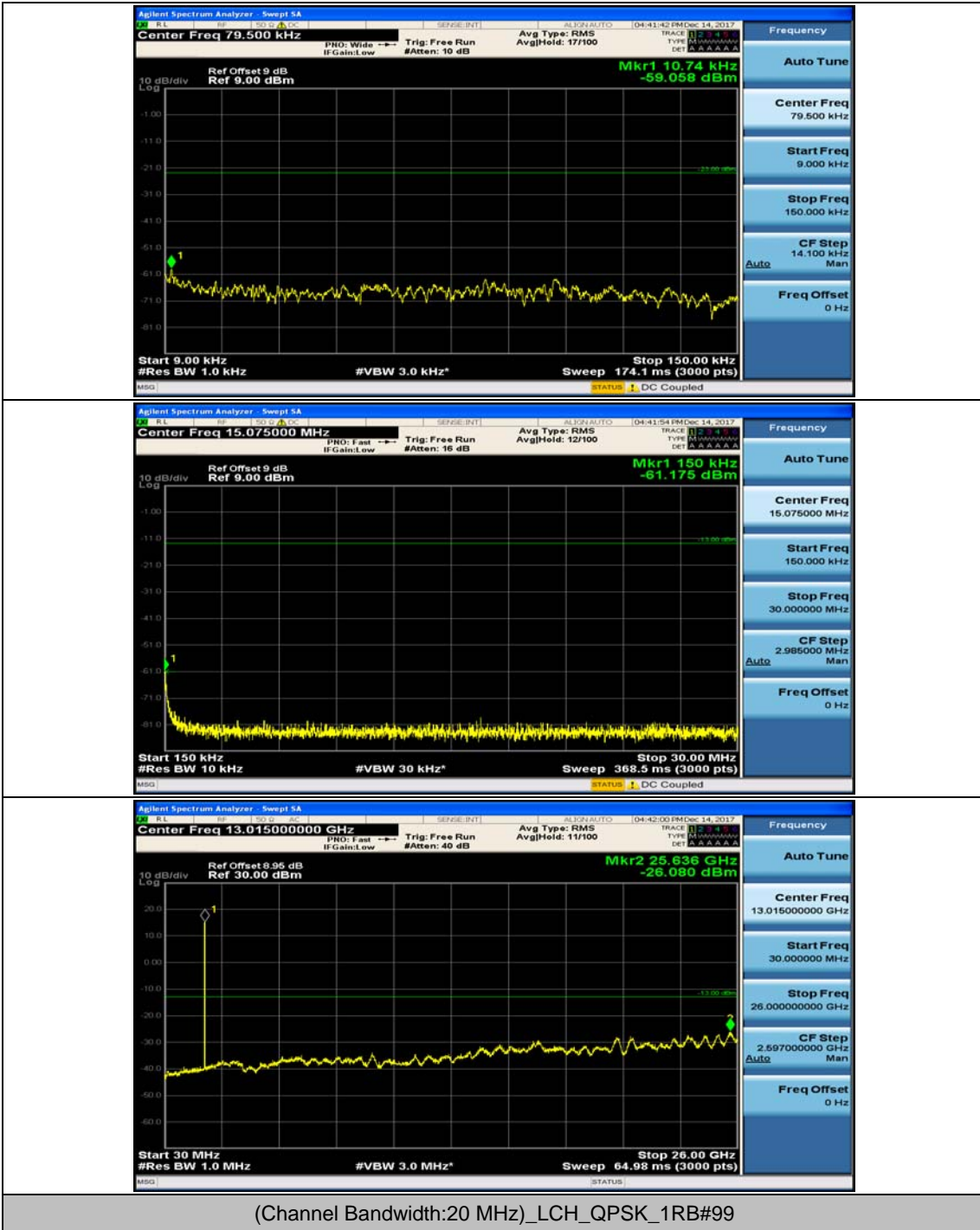
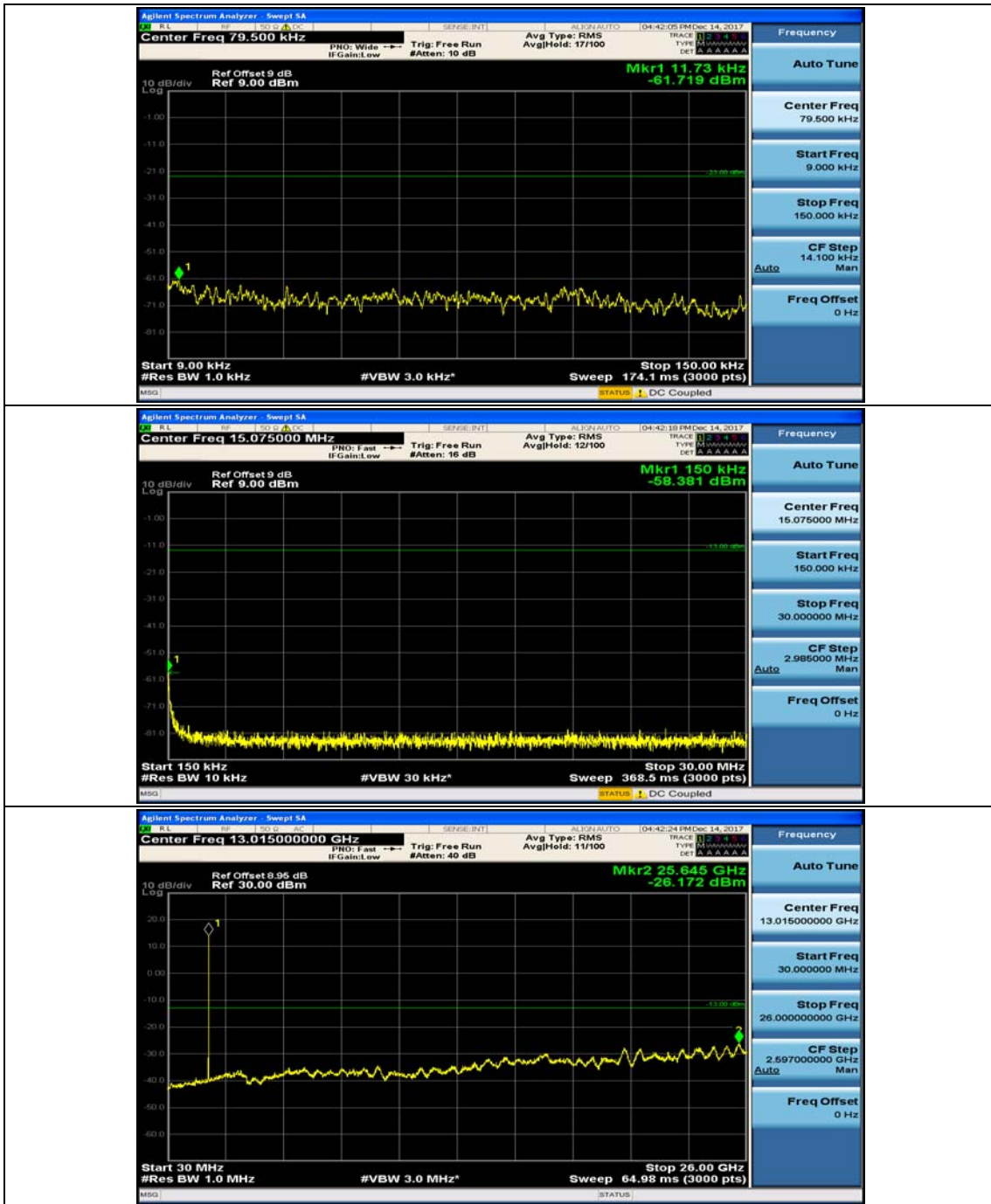


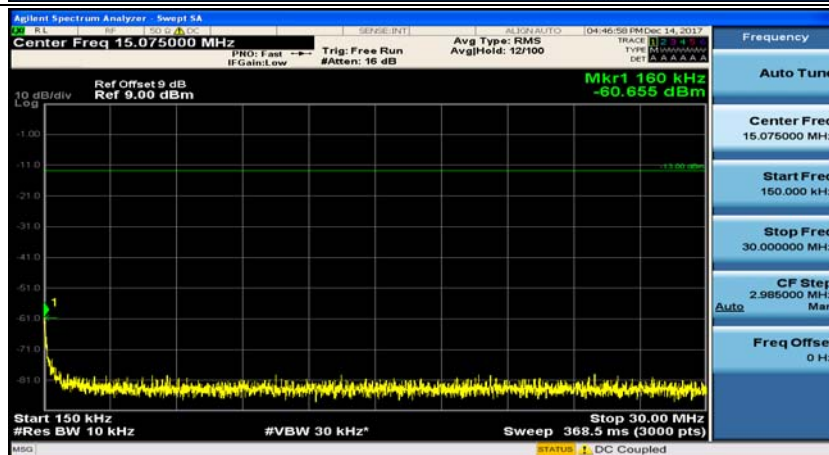
Channel Bandwidth: 20 MHz



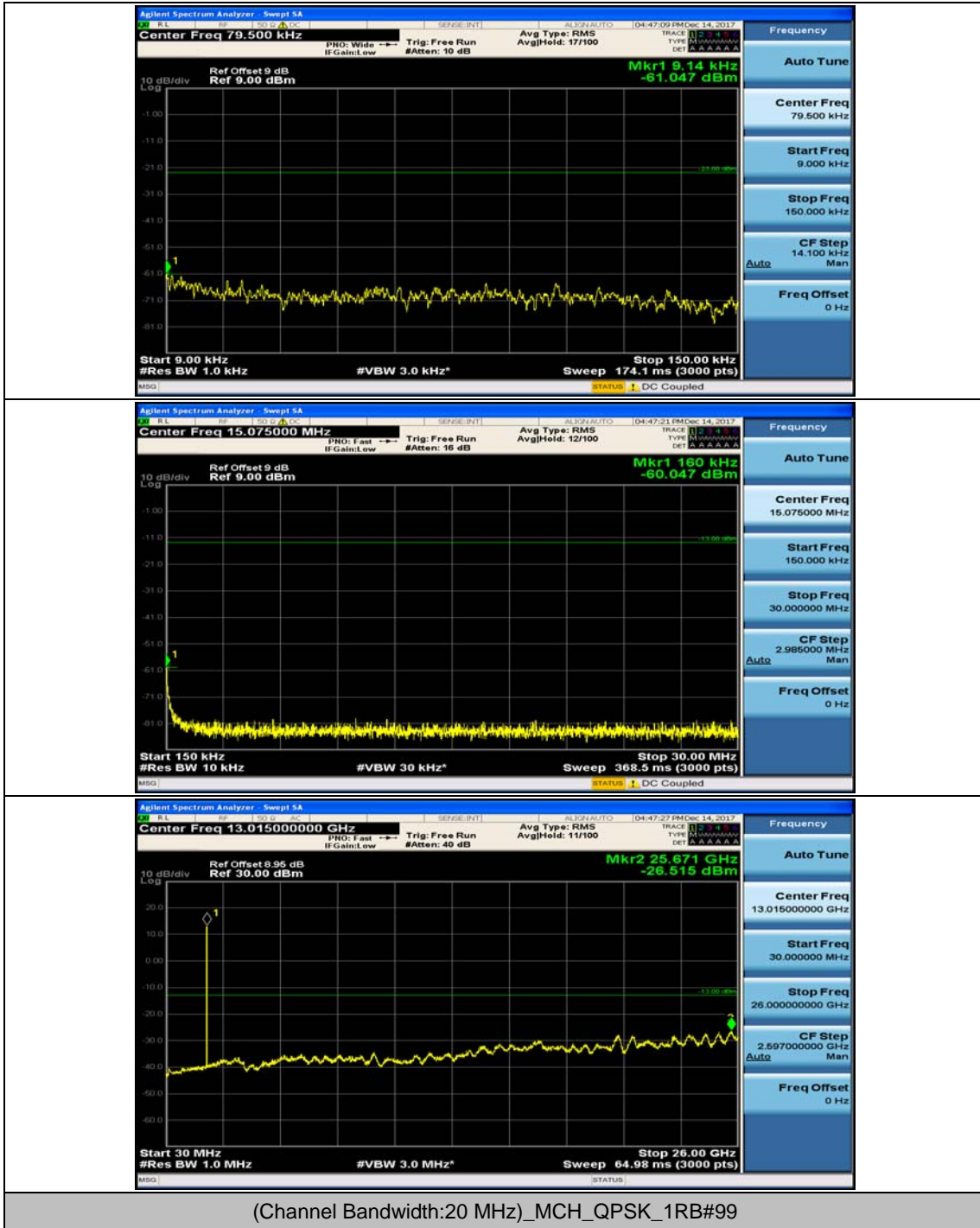


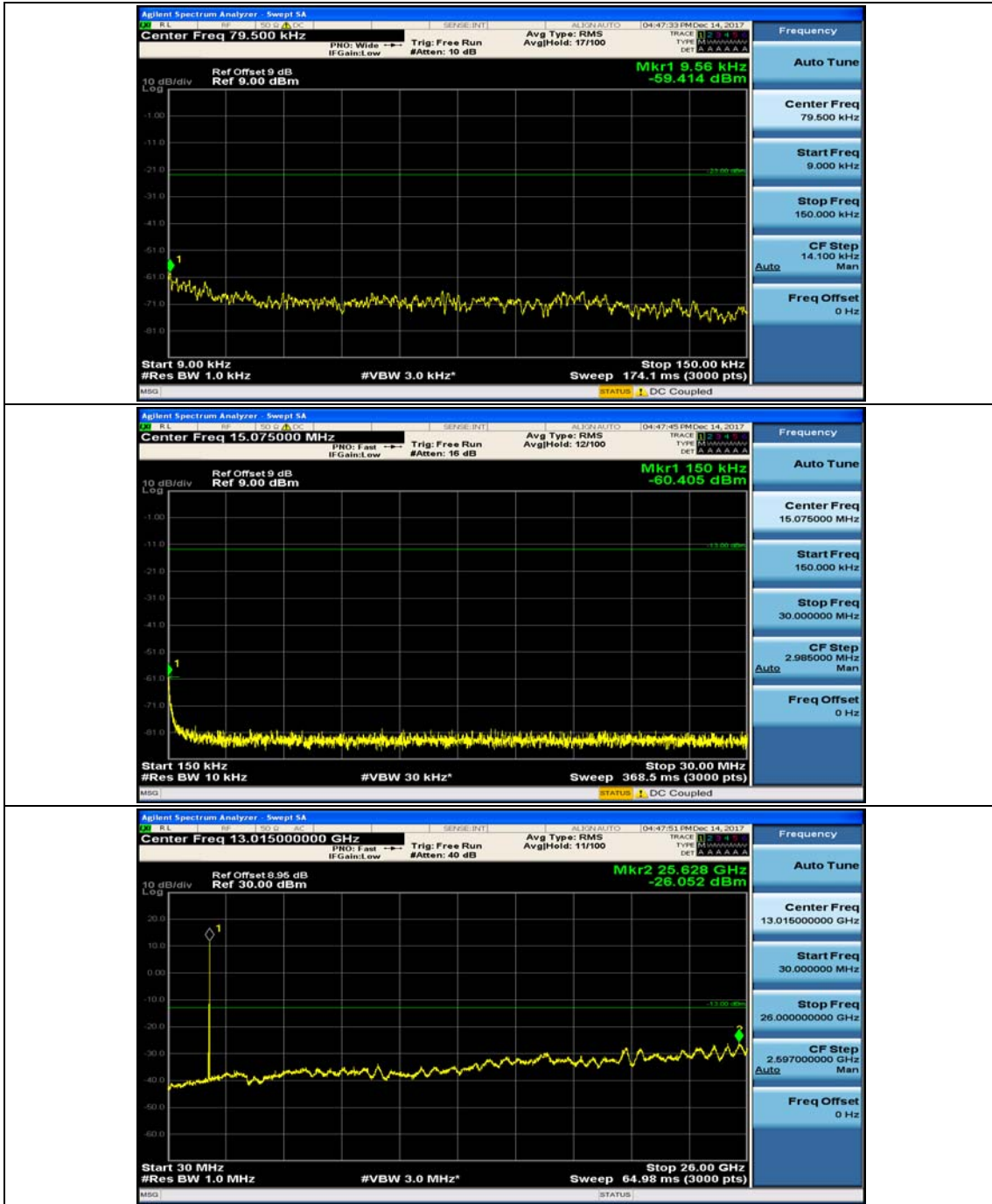


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

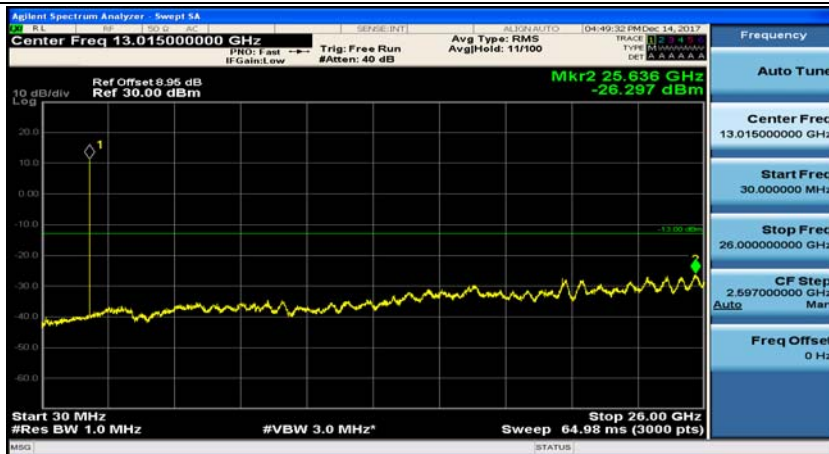
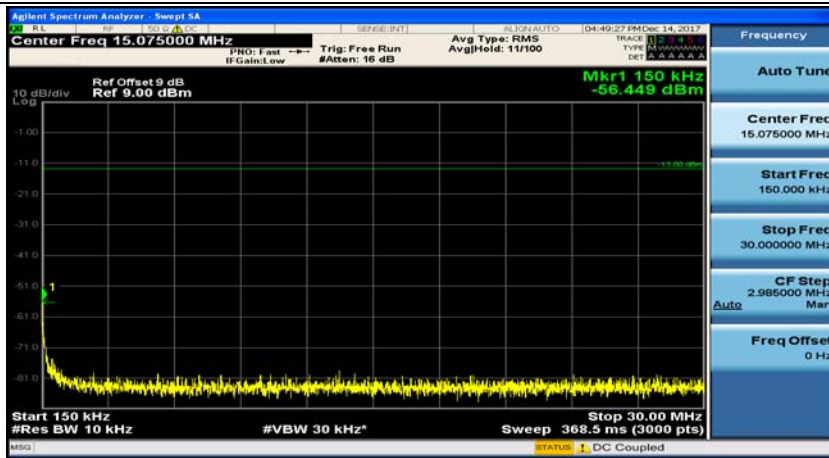


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

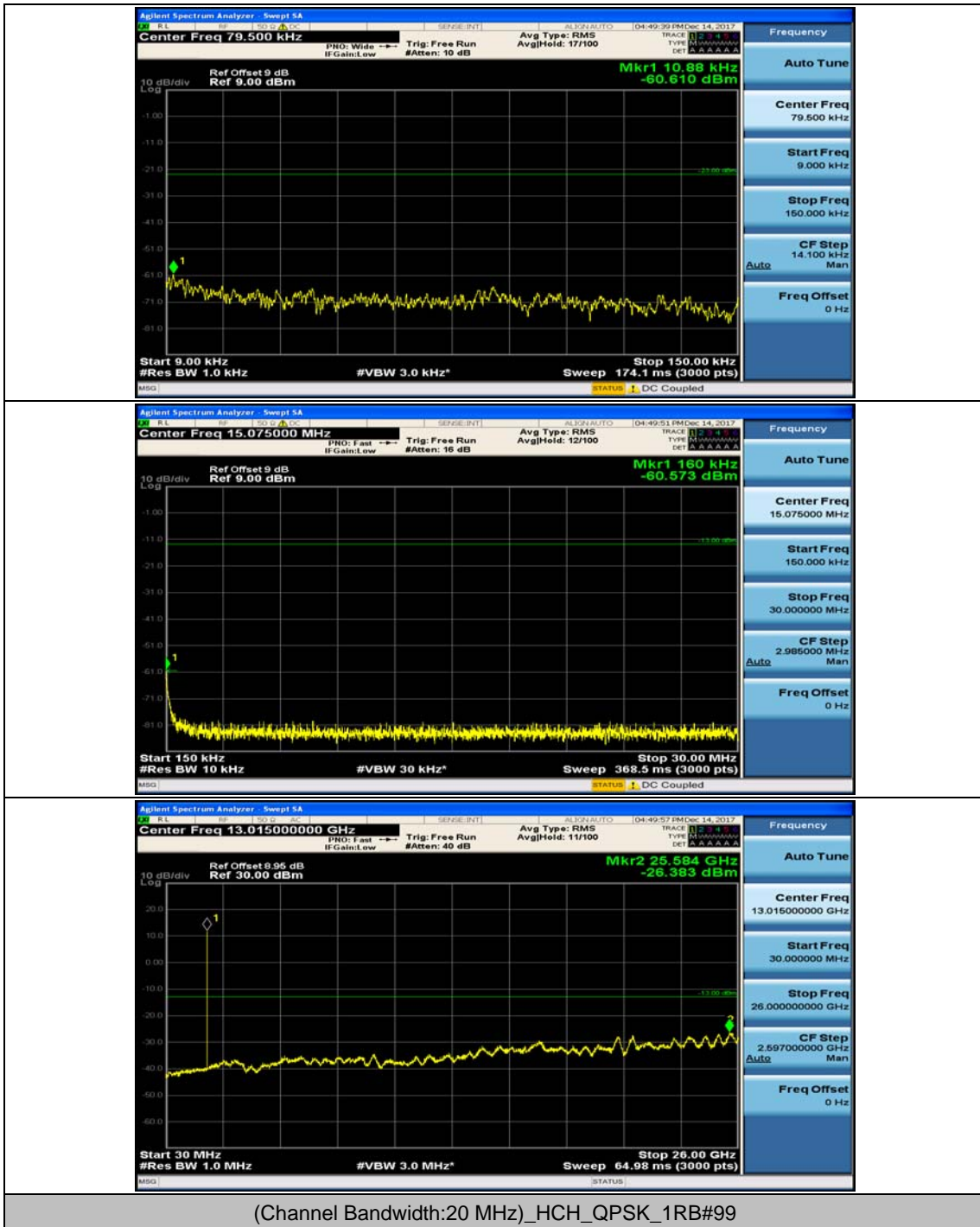


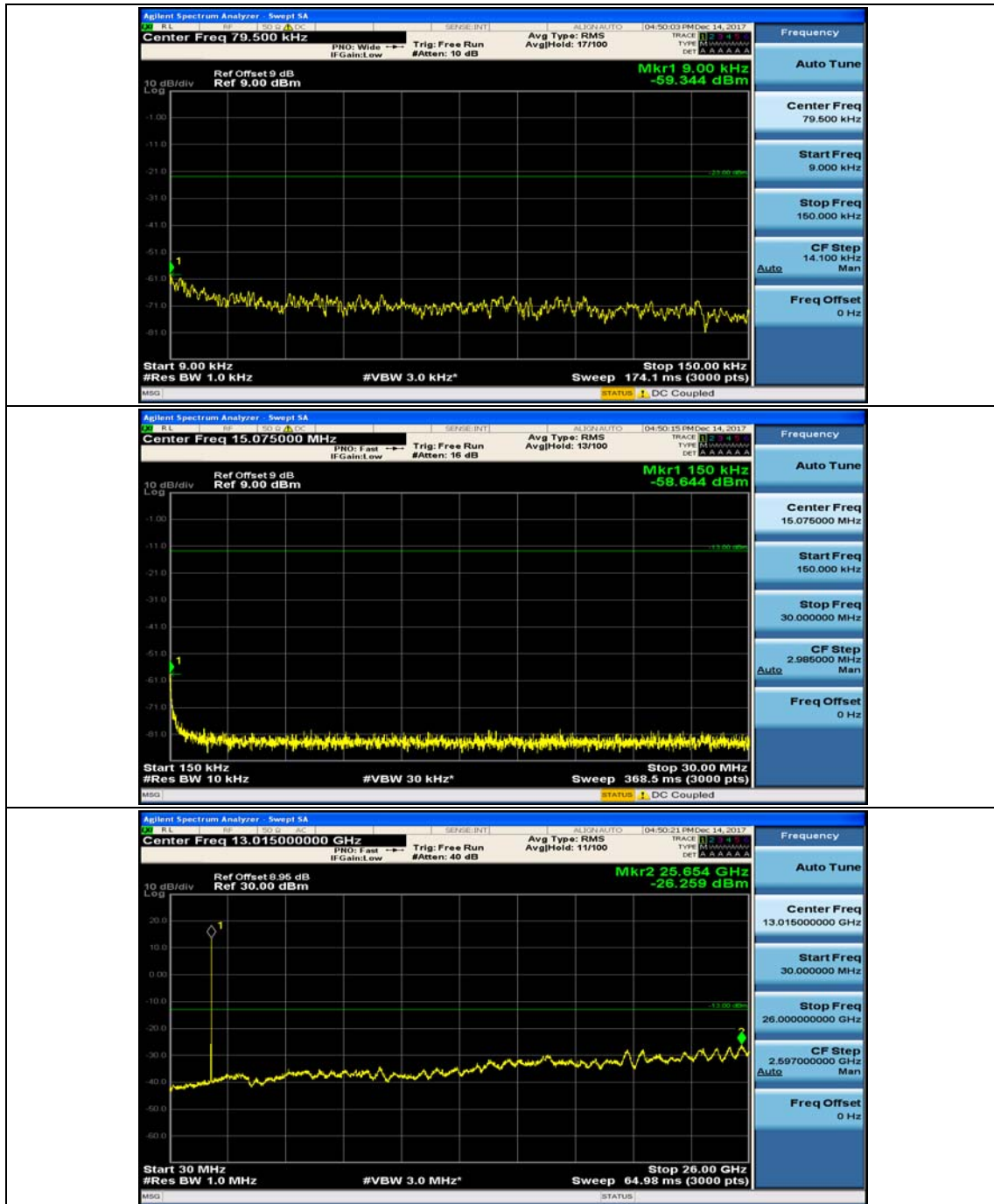


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

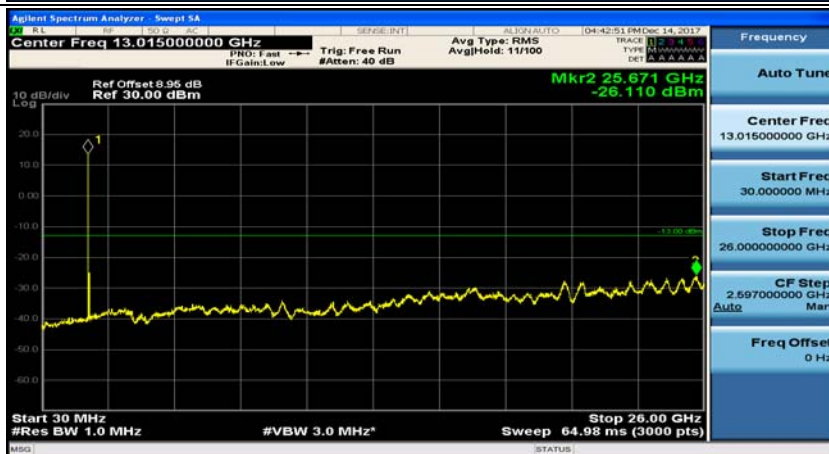
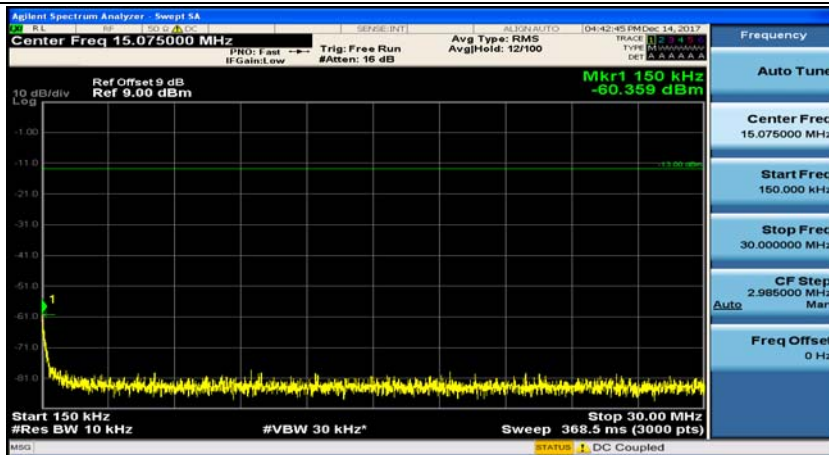
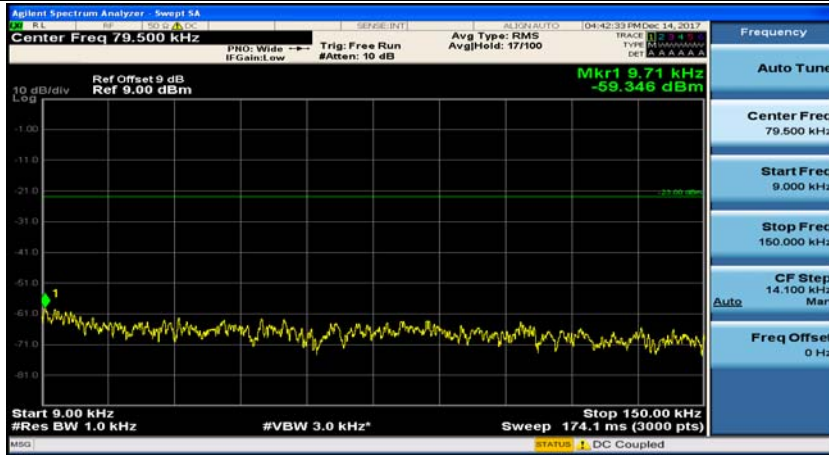


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

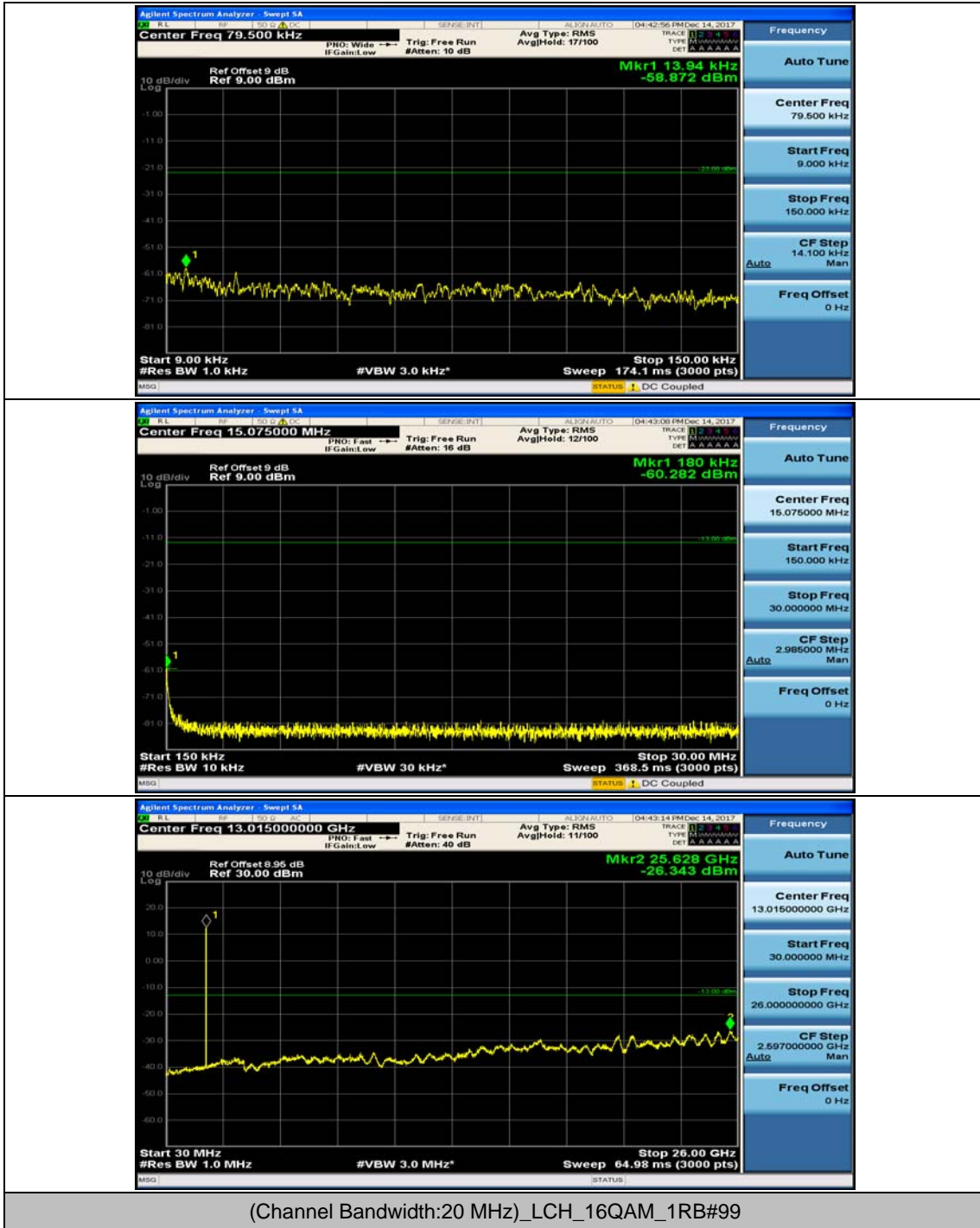


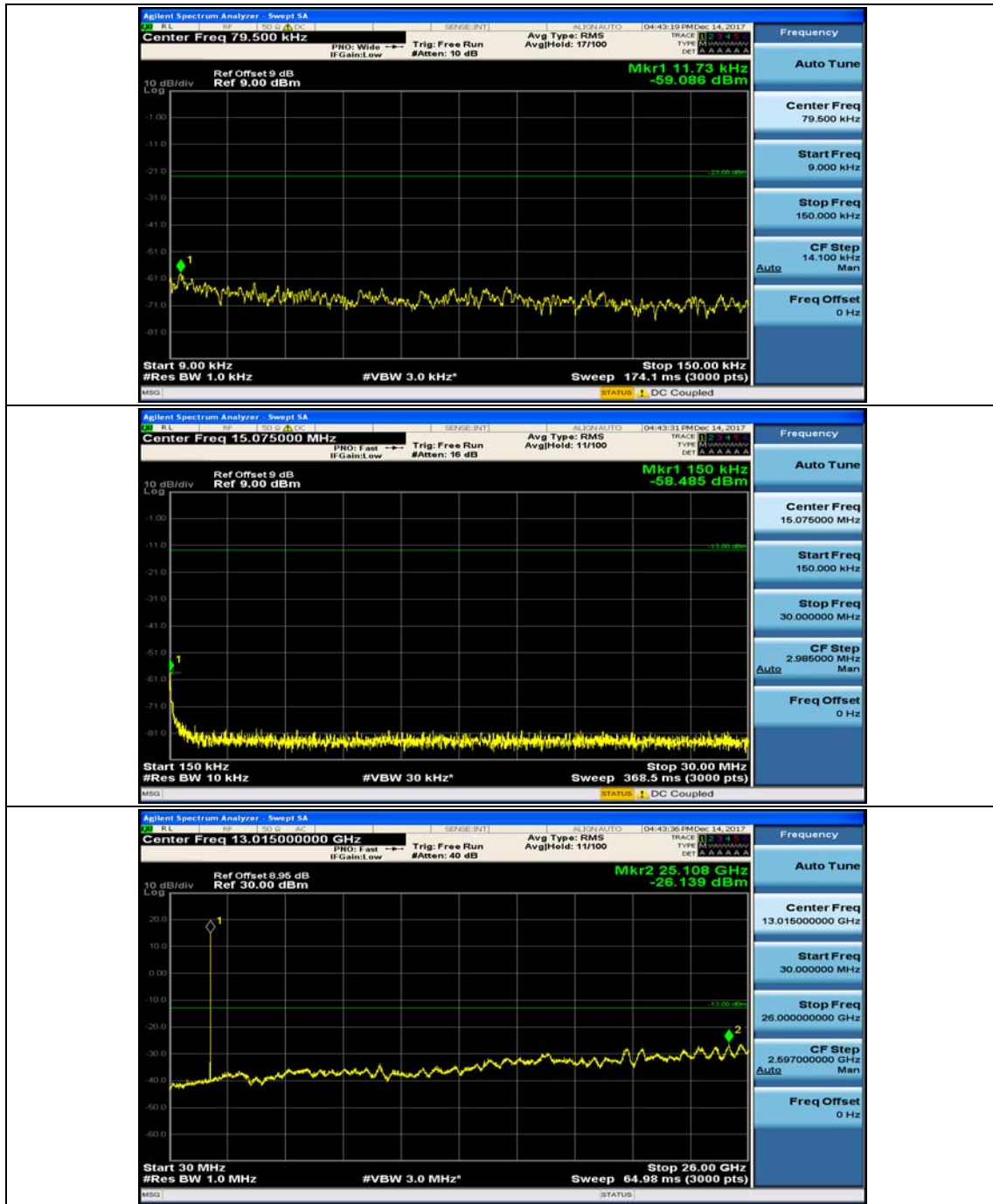


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

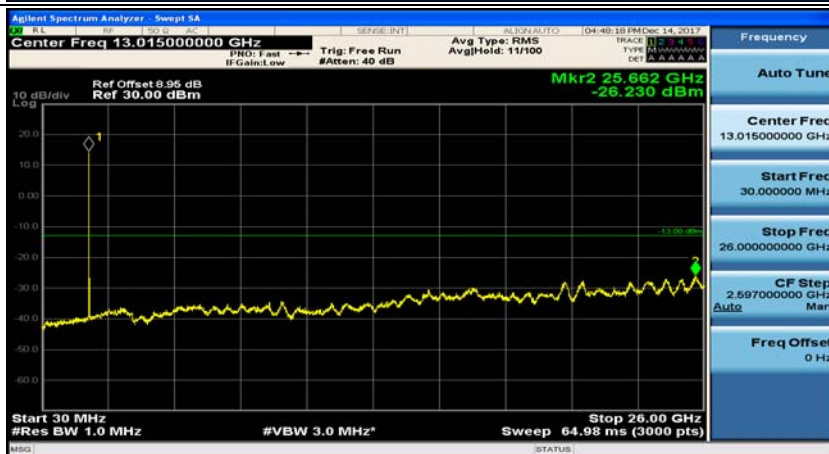
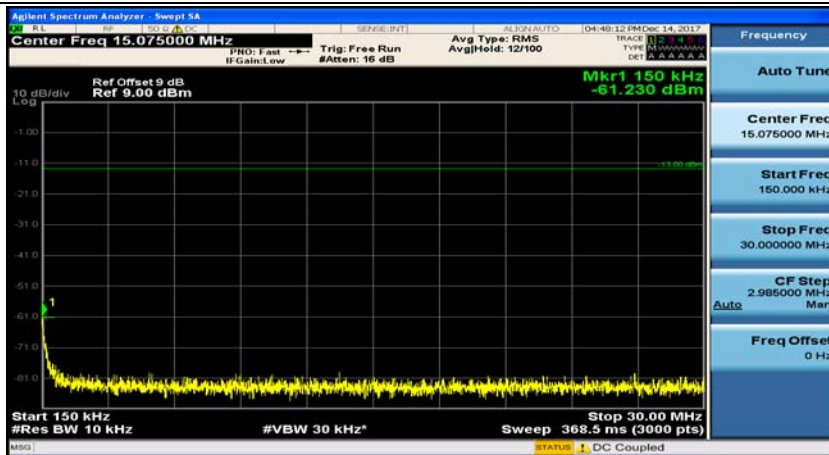


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

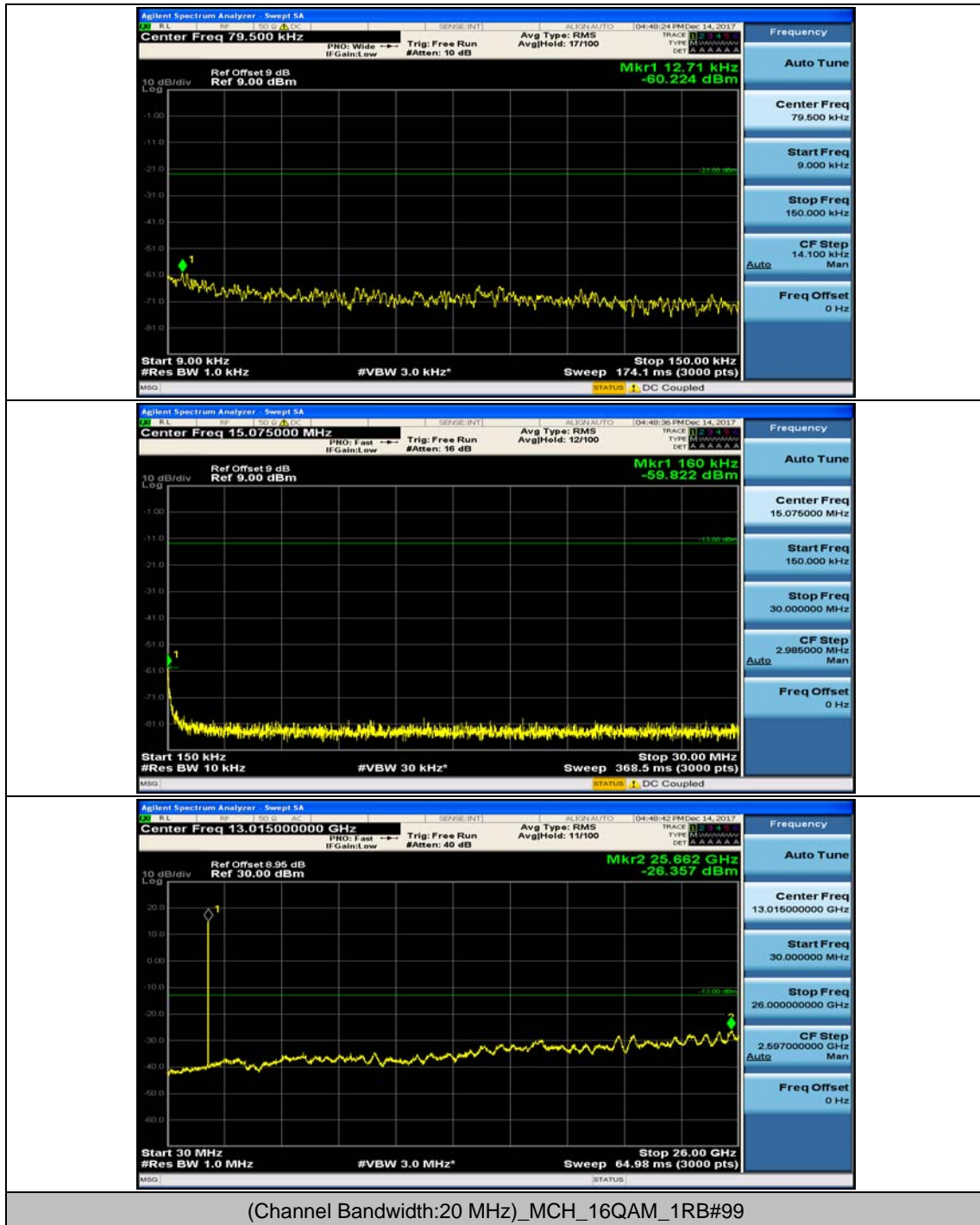


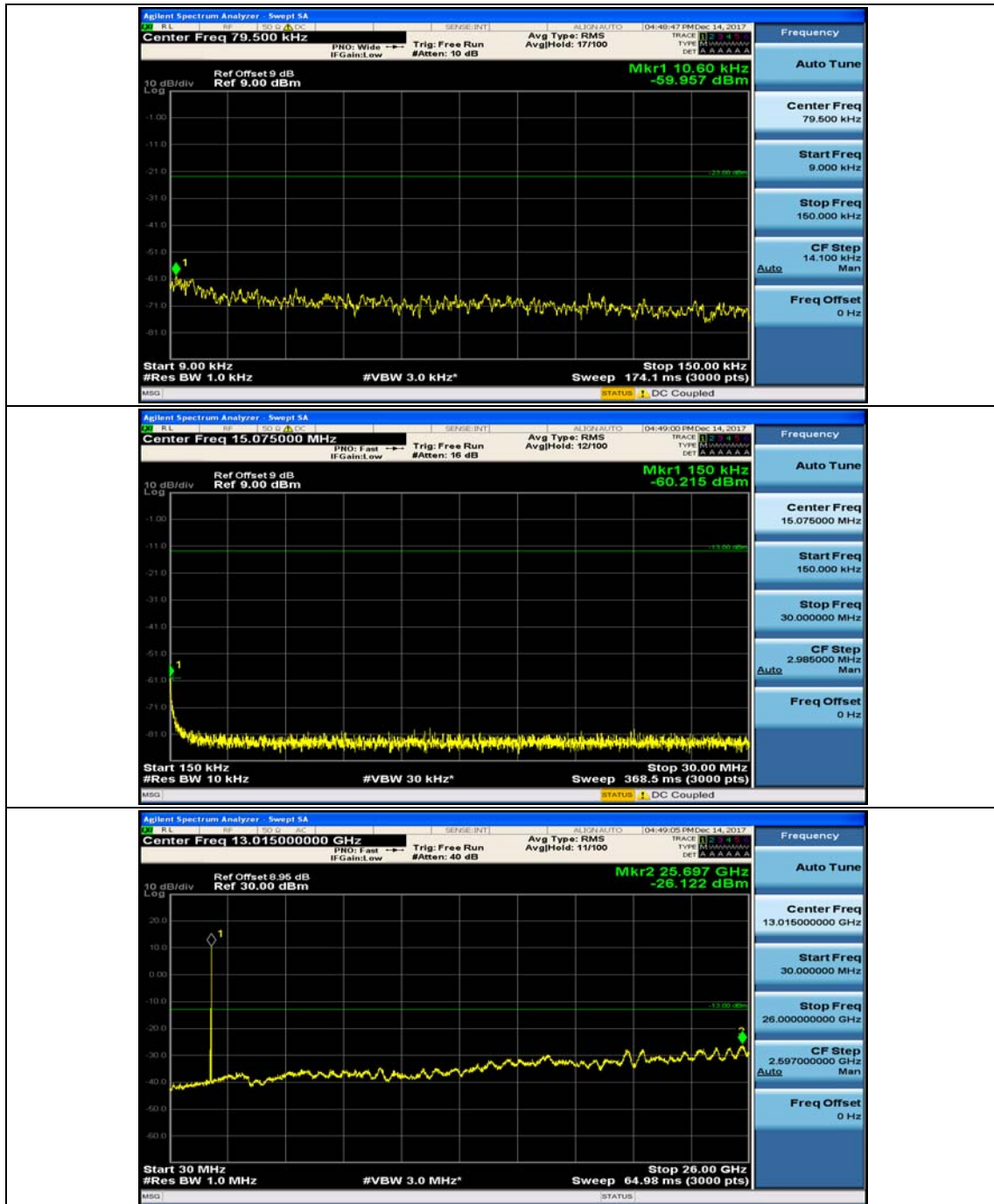


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

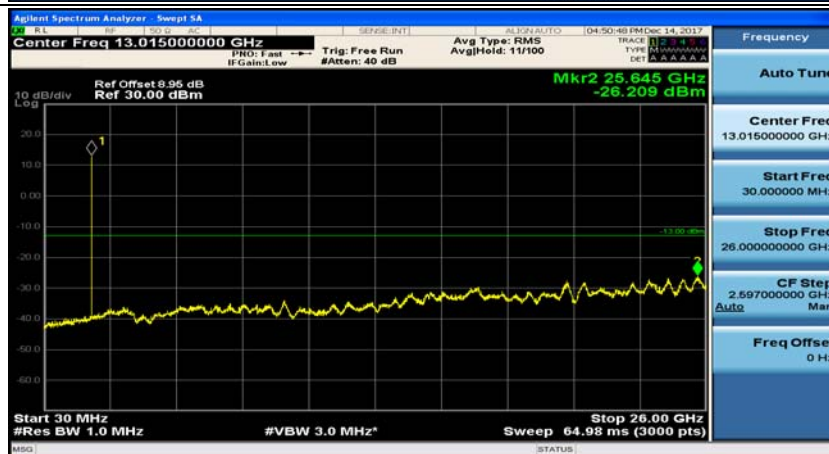
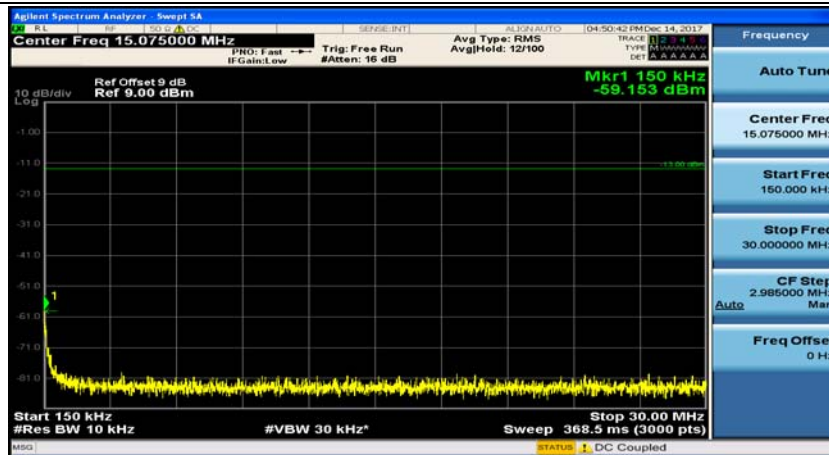
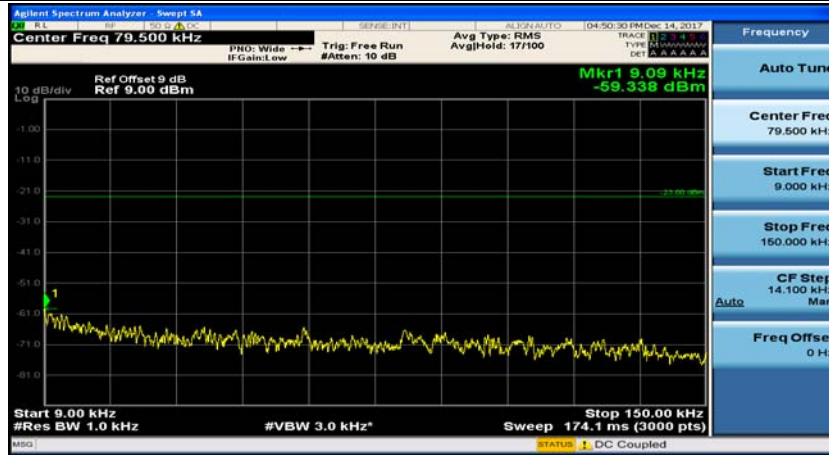


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

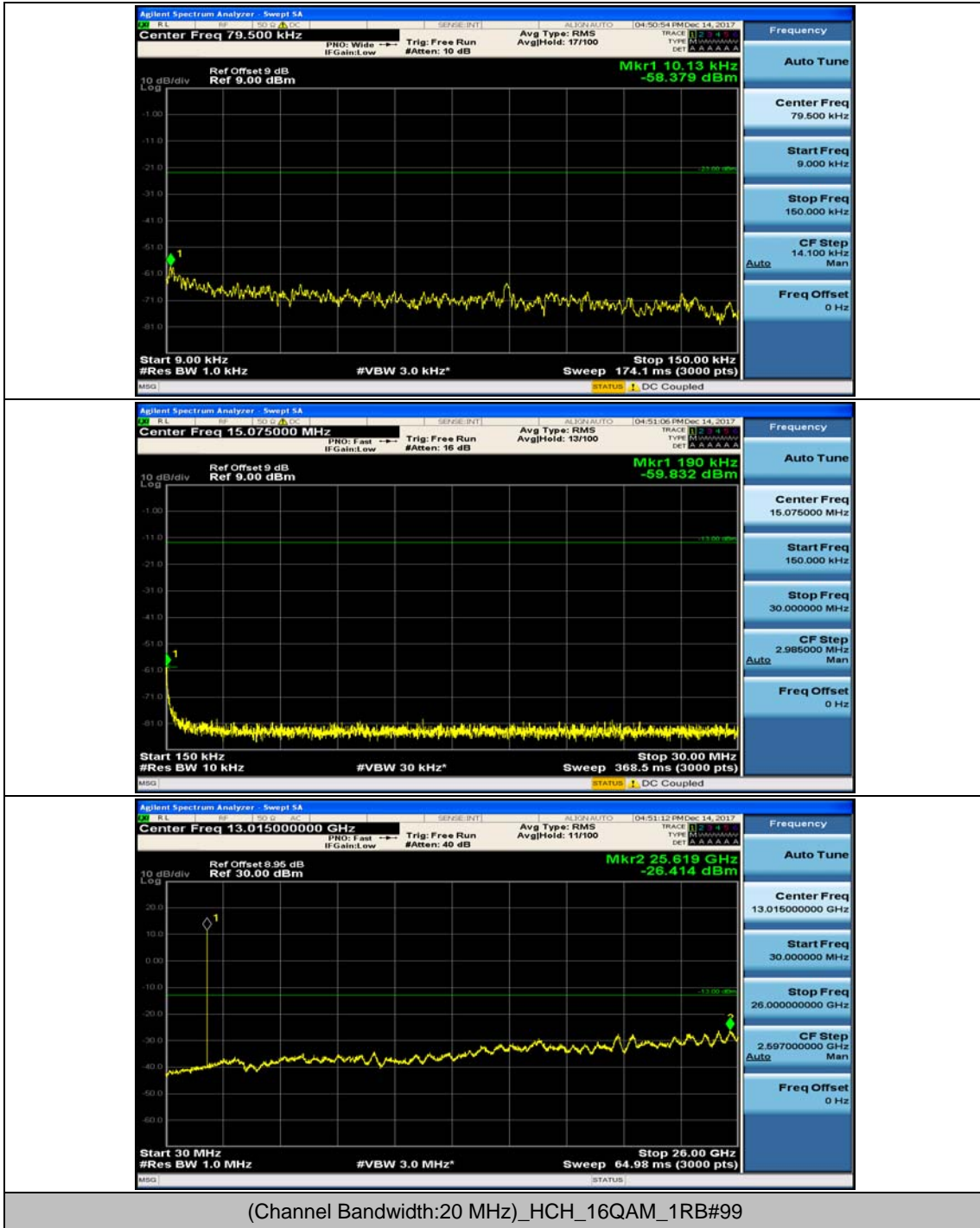


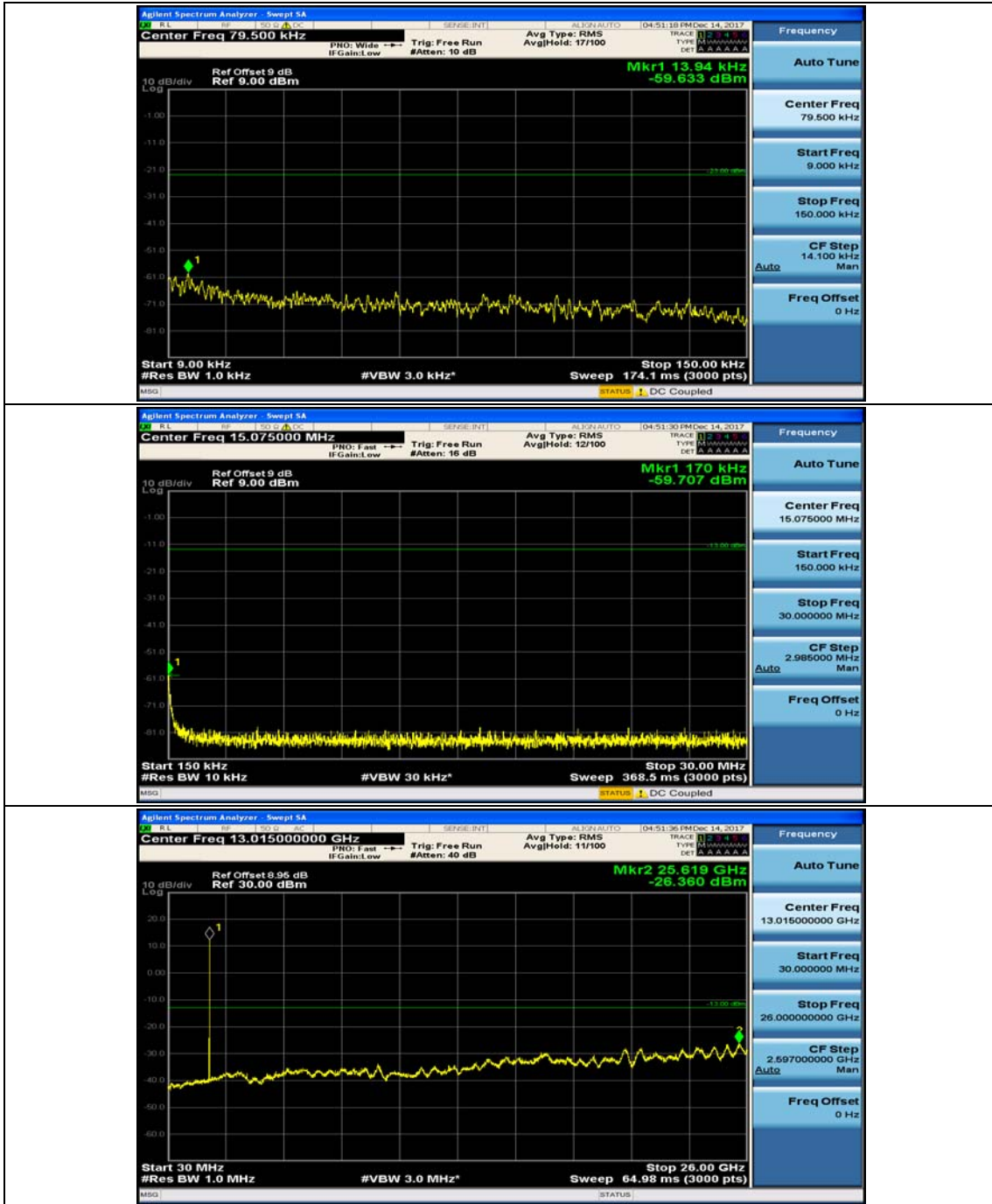


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.81	0.000978	± 2.5	PASS
		VN	TN	4.16	0.002248	± 2.5	PASS
		VH	TN	1.71	0.000924	± 2.5	PASS
	MCH	VL	TN	2.06	0.001096	± 2.5	PASS
		VN	TN	0.64	0.000340	± 2.5	PASS
		VH	TN	-0.63	-0.000335	± 2.5	PASS
	HCH	VL	TN	-1.05	-0.000550	± 2.5	PASS
		VN	TN	1.46	0.000765	± 2.5	PASS
		VH	TN	-0.22	-0.000115	± 2.5	PASS
16QAM	LCH	VL	TN	-0.04	-0.000022	± 2.5	PASS
		VN	TN	4.52	0.002442	± 2.5	PASS
		VH	TN	-0.13	-0.000070	± 2.5	PASS
	MCH	VL	TN	-1.1	-0.000585	± 2.5	PASS
		VN	TN	3.18	0.001691	± 2.5	PASS
		VH	TN	2.86	0.001521	± 2.5	PASS
	HCH	VL	TN	-1.84	-0.000964	± 2.5	PASS
		VN	TN	-1.68	-0.000880	± 2.5	PASS
		VH	TN	4.9	0.002566	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.56	0.001924	± 2.5	PASS
		VN	-20	2.51	0.001356	± 2.5	PASS
		VN	-10	2.84	0.001535	± 2.5	PASS
		VN	0	-0.01	-0.000005	± 2.5	PASS
		VN	10	2.44	0.001318	± 2.5	PASS
		VN	20	-0.78	-0.000421	± 2.5	PASS
		VN	30	3.58	0.001934	± 2.5	PASS
		VN	40	4.91	0.002653	± 2.5	PASS
	MCH	VN	-30	1.96	0.001043	± 2.5	PASS
		VN	-20	3.85	0.002048	± 2.5	PASS

		VN	-10	-1.08	-0.000574	± 2.5	PASS		
		VN	0	-0.01	-0.000005	± 2.5	PASS		
		VN	10	-1.98	-0.001053	± 2.5	PASS		
		VN	20	1.27	0.000676	± 2.5	PASS		
		VN	30	3.15	0.001676	± 2.5	PASS		
		VN	40	-0.92	-0.000489	± 2.5	PASS		
		VN	50	-0.15	-0.000080	± 2.5	PASS		
	HCH	VN	-30	4.41	0.002310	± 2.5	PASS		
		VN	-20	-1.57	-0.000822	± 2.5	PASS		
		VN	-10	0.13	0.000068	± 2.5	PASS		
		VN	0	-0.76	-0.000398	± 2.5	PASS		
		VN	10	-0.24	-0.000126	± 2.5	PASS		
		VN	20	0.82	0.000429	± 2.5	PASS		
		VN	30	1.89	0.000990	± 2.5	PASS		
		VN	40	4.51	0.002362	± 2.5	PASS		
		VN	50	1.52	0.000796	± 2.5	PASS		
		16QAM	LCH	VN	-30	3.62	0.001956	± 2.5	PASS
				VN	-20	2.25	0.001216	± 2.5	PASS
VN	-10			-1.5	-0.000811	± 2.5	PASS		
VN	0			2.06	0.001113	± 2.5	PASS		
VN	10			-0.38	-0.000205	± 2.5	PASS		
VN	20			0.14	0.000076	± 2.5	PASS		
VN	30			0.23	0.000124	± 2.5	PASS		
VN	40			0.61	0.000330	± 2.5	PASS		
VN	50			-1.49	-0.000805	± 2.5	PASS		
MCH	VN		-30	0.12	0.000064	± 2.5	PASS		
	VN		-20	2.29	0.001218	± 2.5	PASS		
	VN		-10	2.76	0.001468	± 2.5	PASS		
	VN		0	2.81	0.001495	± 2.5	PASS		
	VN		10	3.98	0.002117	± 2.5	PASS		
	VN		20	5	0.002660	± 2.5	PASS		
	VN		30	4.96	0.002638	± 2.5	PASS		
	VN		40	-1.72	-0.000915	± 2.5	PASS		
	VN		50	1.29	0.000686	± 2.5	PASS		
HCH	VN	-30	0.84	0.000440	± 2.5	PASS			
	VN	-20	2.32	0.001215	± 2.5	PASS			
	VN	-10	2.6	0.001362	± 2.5	PASS			
	VN	0	0.89	0.000466	± 2.5	PASS			
	VN	10	0.54	0.000283	± 2.5	PASS			
	VN	20	4.28	0.002242	± 2.5	PASS			
	VN	30	3.53	0.001849	± 2.5	PASS			

		VN	40	1.15	0.000602	± 2.5	PASS
		VN	50	2.17	0.001137	± 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	-1.74	-0.000940	± 2.5	PASS
		VN	TN	2.27	0.001226	± 2.5	PASS
		VH	TN	4.5	0.002430	± 2.5	PASS
	MCH	VL	TN	3.57	0.001899	± 2.5	PASS
		VN	TN	-1.03	-0.000548	± 2.5	PASS
		VH	TN	3.54	0.001883	± 2.5	PASS
	HCH	VL	TN	3.81	0.001996	± 2.5	PASS
		VN	TN	1.31	0.000686	± 2.5	PASS
		VH	TN	0.45	0.000236	± 2.5	PASS
16QAM	LCH	VL	TN	-0.06	-0.000032	± 2.5	PASS
		VN	TN	1.62	0.000875	± 2.5	PASS
		VH	TN	0.02	0.000011	± 2.5	PASS
	MCH	VL	TN	-1.15	-0.000612	± 2.5	PASS
		VN	TN	1.05	0.000559	± 2.5	PASS
		VH	TN	2.46	0.001309	± 2.5	PASS
	HCH	VL	TN	0.97	0.000508	± 2.5	PASS
		VN	TN	0.19	0.000100	± 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	-0.57	-0.000308	± 2.5	PASS
		VN	-20	3.1	0.001674	± 2.5	PASS
		VN	-10	2.59	0.001399	± 2.5	PASS
		VN	0	2.11	0.001140	± 2.5	PASS
		VN	10	1.53	0.000826	± 2.5	PASS
		VN	20	-1.39	-0.000751	± 2.5	PASS
		VN	30	4.96	0.002679	± 2.5	PASS
		VN	40	1.67	0.000902	± 2.5	PASS
		VN	50	4.3	0.002322	± 2.5	PASS
	MCH	VN	-30	4.78	0.002543	± 2.5	PASS
		VN	-20	-0.71	-0.000378	± 2.5	PASS
		VN	-10	-1.01	-0.000537	± 2.5	PASS

	VN	0	-0.52	-0.000277	± 2.5	PASS		
		10	1.32	0.000702	± 2.5	PASS		
		20	2	0.001064	± 2.5	PASS		
		30	-1.65	-0.000878	± 2.5	PASS		
		40	0.57	0.000303	± 2.5	PASS		
		50	1.19	0.000633	± 2.5	PASS		
	HCH	VN	-30	4.17	0.002185	± 2.5	PASS	
		VN	-20	-1.76	-0.000922	± 2.5	PASS	
		VN	-10	-1.14	-0.000597	± 2.5	PASS	
		VN	0	2.21	0.001158	± 2.5	PASS	
		VN	10	-0.53	-0.000278	± 2.5	PASS	
		VN	20	4.42	0.002316	± 2.5	PASS	
		VN	30	-1.4	-0.000734	± 2.5	PASS	
		VN	40	-1.35	-0.000707	± 2.5	PASS	
	VN	50	4.13	0.002164	± 2.5	PASS		
	QPSK	LCH	VN	-30	-0.23	-0.000124	± 2.5	PASS
			VN	-20	-1.63	-0.000880	± 2.5	PASS
			VN	-10	-0.25	-0.000135	± 2.5	PASS
VN			0	3.48	0.001880	± 2.5	PASS	
VN			10	1.35	0.000729	± 2.5	PASS	
VN			20	-0.94	-0.000508	± 2.5	PASS	
VN			30	0.32	0.000173	± 2.5	PASS	
VN			40	4.35	0.002349	± 2.5	PASS	
VN			50	2.78	0.001501	± 2.5	PASS	
MCH		VN	-30	3.25	0.001729	± 2.5	PASS	
		VN	-20	0.25	0.000133	± 2.5	PASS	
		VN	-10	4.85	0.002580	± 2.5	PASS	
		VN	0	4.33	0.002303	± 2.5	PASS	
		VN	10	0.08	0.000043	± 2.5	PASS	
		VN	20	0.03	0.000016	± 2.5	PASS	
		VN	30	0.33	0.000176	± 2.5	PASS	
		VN	40	0.32	0.000170	± 2.5	PASS	
		VN	50	3.59	0.001910	± 2.5	PASS	
HCH		VN	-30	0.33	0.000173	± 2.5	PASS	
		VN	-20	-1.39	-0.000728	± 2.5	PASS	
		VN	-10	2.09	0.001095	± 2.5	PASS	
		VN	0	2.5	0.001310	± 2.5	PASS	
		VN	10	3.46	0.001813	± 2.5	PASS	
		VN	20	4.92	0.002578	± 2.5	PASS	
		VN	30	0.65	0.000341	± 2.5	PASS	
		VN	40	0.71	0.000372	± 2.5	PASS	

		VN	50	4.12	0.002159	± 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	2.93	0.001582	± 2.5	PASS
		VN	TN	4.52	0.002440	± 2.5	PASS
		VH	TN	3.91	0.002111	± 2.5	PASS
	MCH	VL	TN	-1.07	-0.000569	± 2.5	PASS
		VN	TN	-1.67	-0.000888	± 2.5	PASS
		VH	TN	-1.93	-0.001027	± 2.5	PASS
	HCH	VL	TN	2.93	0.001536	± 2.5	PASS
		VN	TN	-1.85	-0.000970	± 2.5	PASS
		VH	TN	4.2	0.002202	± 2.5	PASS
16QAM	LCH	VL	TN	-0.27	-0.000146	± 2.5	PASS
		VN	TN	-1.7	-0.000918	± 2.5	PASS
		VH	TN	2.31	0.001247	± 2.5	PASS
	MCH	VL	TN	-0.81	-0.000431	± 2.5	PASS
		VN	TN	4.68	0.002489	± 2.5	PASS
		VH	TN	0.46	0.000245	± 2.5	PASS
	HCH	VL	TN	1.52	0.000797	± 2.5	PASS
		VN	TN	0	0.000000	± 2.5	PASS
		VH	TN	4.49	0.002354	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.62	0.002494	± 2.5	PASS
		VN	-20	0.14	0.000076	± 2.5	PASS
		VN	-10	3.34	0.001803	± 2.5	PASS
		VN	0	4.89	0.002640	± 2.5	PASS
		VN	10	3.2	0.001727	± 2.5	PASS
		VN	20	-0.21	-0.000113	± 2.5	PASS
		VN	30	4	0.002159	± 2.5	PASS
		VN	40	1.9	0.001026	± 2.5	PASS
		VN	50	-1.3	-0.000702	± 2.5	PASS
	MCH	VN	-30	3.53	0.001878	± 2.5	PASS
		VN	-20	2.74	0.001457	± 2.5	PASS
		VN	-10	4.33	0.002303	± 2.5	PASS
		VN	0	-1.71	-0.000910	± 2.5	PASS

		VN	10	-1.44	-0.000766	± 2.5	PASS
		VN	20	1.9	0.001011	± 2.5	PASS
		VN	30	3.84	0.002043	± 2.5	PASS
		VN	40	-1.56	-0.000830	± 2.5	PASS
		VN	50	-1.96	-0.001043	± 2.5	PASS
	HCH	VN	-30	-1.66	-0.000870	± 2.5	PASS
		VN	-20	-1.28	-0.000671	± 2.5	PASS
		VN	-10	3.01	0.001578	± 2.5	PASS
		VN	0	4.32	0.002265	± 2.5	PASS
		VN	10	1.74	0.000912	± 2.5	PASS
		VN	20	3.12	0.001636	± 2.5	PASS
		VN	30	4.23	0.002218	± 2.5	PASS
		VN	40	1	0.000524	± 2.5	PASS
		VN	50	4.49	0.002354	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.96	-0.001058
VN	-20			-1.04	-0.000561	± 2.5	PASS
VN	-10			2.45	0.001323	± 2.5	PASS
VN	0			2.62	0.001414	± 2.5	PASS
VN	10			1.02	0.000551	± 2.5	PASS
VN	20			2.32	0.001252	± 2.5	PASS
VN	30			0.69	0.000372	± 2.5	PASS
VN	40			-1.67	-0.000901	± 2.5	PASS
VN	50			4.77	0.002575	± 2.5	PASS
MCH	VN		-30	2.99	0.001590	± 2.5	PASS
	VN		-20	3.17	0.001686	± 2.5	PASS
	VN		-10	4.06	0.002160	± 2.5	PASS
	VN		0	-1.87	-0.000995	± 2.5	PASS
	VN		10	3.29	0.001750	± 2.5	PASS
	VN		20	-0.33	-0.000176	± 2.5	PASS
	VN		30	1.51	0.000803	± 2.5	PASS
	VN		40	0.22	0.000117	± 2.5	PASS
	VN		50	4.69	0.002495	± 2.5	PASS
HCH	VN		-30	0.24	0.000126	± 2.5	PASS
	VN		-20	1.85	0.000970	± 2.5	PASS
	VN		-10	0.3	0.000157	± 2.5	PASS
	VN		0	-1.14	-0.000598	± 2.5	PASS
	VN		10	3.15	0.001651	± 2.5	PASS
	VN		20	1	0.000524	± 2.5	PASS
	VN		30	4.02	0.002107	± 2.5	PASS
	VN		40	-0.74	-0.000388	± 2.5	PASS
	VN		50	2.54	0.001332	± 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	3.84	0.002070	± 2.5	PASS
		VN	TN	3.91	0.002108	± 2.5	PASS
		VH	TN	-1.81	-0.000976	± 2.5	PASS
	MCH	VL	TN	4.7	0.002500	± 2.5	PASS
		VN	TN	2.42	0.001287	± 2.5	PASS
		VH	TN	-1.6	-0.000851	± 2.5	PASS
	HCH	VL	TN	-0.86	-0.000451	± 2.5	PASS
		VN	TN	-1.13	-0.000593	± 2.5	PASS
		VH	TN	2.03	0.001066	± 2.5	PASS
16QAM	LCH	VL	TN	-1.51	-0.000814	± 2.5	PASS
		VN	TN	2.1	0.001132	± 2.5	PASS
		VH	TN	4.25	0.002291	± 2.5	PASS
	MCH	VL	TN	3.45	0.001835	± 2.5	PASS
		VN	TN	1.56	0.000830	± 2.5	PASS
		VH	TN	1.97	0.001048	± 2.5	PASS
	HCH	VL	TN	4.04	0.002121	± 2.5	PASS
		VN	TN	0.57	0.000299	± 2.5	PASS
		VH	TN	-0.8	-0.000420	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	1.04	0.000561	± 2.5	PASS
		VN	-20	-0.1	-0.000054	± 2.5	PASS
		VN	-10	-1.04	-0.000561	± 2.5	PASS
		VN	0	-1.46	-0.000787	± 2.5	PASS
		VN	10	-0.24	-0.000129	± 2.5	PASS
		VN	20	2	0.001078	± 2.5	PASS
		VN	30	-0.31	-0.000167	± 2.5	PASS
		VN	40	-0.08	-0.000043	± 2.5	PASS
		VN	50	1.69	0.000911	± 2.5	PASS
	MCH	VN	-30	0.86	0.000457	± 2.5	PASS
		VN	-20	0.42	0.000223	± 2.5	PASS
		VN	-10	0.23	0.000122	± 2.5	PASS
		VN	0	-0.24	-0.000128	± 2.5	PASS
		VN	10	-1.73	-0.000920	± 2.5	PASS
		VN	20	3.94	0.002096	± 2.5	PASS

		VN	30	1.92	0.001021	± 2.5	PASS
		VN	40	2.1	0.001117	± 2.5	PASS
		VN	50	0.46	0.000245	± 2.5	PASS
	HCH	VN	-30	-1.76	-0.000924	± 2.5	PASS
		VN	-20	-1.26	-0.000661	± 2.5	PASS
		VN	-10	-0.45	-0.000236	± 2.5	PASS
		VN	0	1.88	0.000987	± 2.5	PASS
		VN	10	4.69	0.002462	± 2.5	PASS
		VN	20	1.8	0.000945	± 2.5	PASS
		VN	30	2.97	0.001559	± 2.5	PASS
		VN	40	-0.67	-0.000352	± 2.5	PASS
		VN	50	3.78	0.001984	± 2.5	PASS
QPSK	LCH	VN	-30	1.55	0.000836	± 2.5	PASS
		VN	-20	-1.51	-0.000814	± 2.5	PASS
		VN	-10	-0.38	-0.000205	± 2.5	PASS
		VN	0	3.84	0.002070	± 2.5	PASS
		VN	10	-1.3	-0.000701	± 2.5	PASS
		VN	20	-0.13	-0.000070	± 2.5	PASS
		VN	30	4.23	0.002280	± 2.5	PASS
		VN	40	0.22	0.000119	± 2.5	PASS
		VN	50	-1.15	-0.000620	± 2.5	PASS
	MCH	VN	-30	3.54	0.001883	± 2.5	PASS
		VN	-20	2.64	0.001404	± 2.5	PASS
		VN	-10	2.42	0.001287	± 2.5	PASS
		VN	0	2.64	0.001404	± 2.5	PASS
		VN	10	-0.79	-0.000420	± 2.5	PASS
		VN	20	2.42	0.001287	± 2.5	PASS
		VN	30	-0.8	-0.000426	± 2.5	PASS
		VN	40	1.91	0.001016	± 2.5	PASS
		VN	50	-1.03	-0.000548	± 2.5	PASS
	HCH	VN	-30	1.34	0.000703	± 2.5	PASS
		VN	-20	1.77	0.000929	± 2.5	PASS
		VN	-10	-1.91	-0.001003	± 2.5	PASS
		VN	0	2.67	0.001402	± 2.5	PASS
		VN	10	0.18	0.000094	± 2.5	PASS
		VN	20	3.82	0.002005	± 2.5	PASS
		VN	30	4.93	0.002588	± 2.5	PASS
		VN	40	1.16	0.000609	± 2.5	PASS
		VN	50	-0.42	-0.000220	± 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	3.24	0.001744	± 2.5	PASS
		VN	TN	-0.26	-0.000140	± 2.5	PASS
		VH	TN	2.61	0.001405	± 2.5	PASS
	MCH	VL	TN	-1.47	-0.000782	± 2.5	PASS
		VN	TN	0.92	0.000489	± 2.5	PASS
		VH	TN	-0.32	-0.000170	± 2.5	PASS
	HCH	VL	TN	4.43	0.002329	± 2.5	PASS
		VN	TN	1.92	0.001009	± 2.5	PASS
		VH	TN	-1.72	-0.000904	± 2.5	PASS
16QAM	LCH	VL	TN	3.39	0.001825	± 2.5	PASS
		VN	TN	3.46	0.001863	± 2.5	PASS
		VH	TN	-1.73	-0.000931	± 2.5	PASS
	MCH	VL	TN	-1.67	-0.000888	± 2.5	PASS
		VN	TN	4.36	0.002319	± 2.5	PASS
		VH	TN	2.8	0.001489	± 2.5	PASS
	HCH	VL	TN	-0.65	-0.000342	± 2.5	PASS
		VN	TN	0.6	0.000315	± 2.5	PASS
		VH	TN	-1.65	-0.000867	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.74	-0.000398	± 2.5	PASS
		VN	-20	1.55	0.000834	± 2.5	PASS
		VN	-10	-1.83	-0.000985	± 2.5	PASS
		VN	0	4.44	0.002390	± 2.5	PASS
		VN	10	2.83	0.001524	± 2.5	PASS
		VN	20	-1.22	-0.000657	± 2.5	PASS
		VN	30	0.75	0.000404	± 2.5	PASS
		VN	40	3.32	0.001787	± 2.5	PASS
		VN	50	0	0.000000	± 2.5	PASS
	MCH	VN	-30	3.36	0.001787	± 2.5	PASS
		VN	-20	4.4	0.002340	± 2.5	PASS
		VN	-10	0.08	0.000043	± 2.5	PASS
		VN	0	3.65	0.001941	± 2.5	PASS
		VN	10	0.33	0.000176	± 2.5	PASS
		VN	20	4.1	0.002181	± 2.5	PASS

		VN	30	0.55	0.000293	± 2.5	PASS
		VN	40	-1.41	-0.000750	± 2.5	PASS
		VN	50	0.7	0.000372	± 2.5	PASS
	HCH	VN	-30	0.86	0.000452	± 2.5	PASS
		VN	-20	1.45	0.000762	± 2.5	PASS
		VN	-10	0.18	0.000095	± 2.5	PASS
		VN	0	1.24	0.000652	± 2.5	PASS
		VN	10	2.14	0.001125	± 2.5	PASS
		VN	20	-0.33	-0.000173	± 2.5	PASS
		VN	30	2.12	0.001114	± 2.5	PASS
		VN	40	1.76	0.000925	± 2.5	PASS
		VN	50	-0.94	-0.000494	± 2.5	PASS
QPSK	LCH	VN	-30	-0.35	-0.000188	± 2.5	PASS
		VN	-20	0.44	0.000237	± 2.5	PASS
		VN	-10	2.74	0.001475	± 2.5	PASS
		VN	0	4.96	0.002670	± 2.5	PASS
		VN	10	4.37	0.002353	± 2.5	PASS
		VN	20	4.22	0.002272	± 2.5	PASS
		VN	30	-1.13	-0.000608	± 2.5	PASS
		VN	40	2.58	0.001389	± 2.5	PASS
		VN	50	-0.22	-0.000118	± 2.5	PASS
	MCH	VN	-30	1.5	0.000798	± 2.5	PASS
		VN	-20	-0.64	-0.000340	± 2.5	PASS
		VN	-10	0.23	0.000122	± 2.5	PASS
		VN	0	3.63	0.001931	± 2.5	PASS
		VN	10	-1.23	-0.000654	± 2.5	PASS
		VN	20	-1.11	-0.000590	± 2.5	PASS
		VN	30	1.58	0.000840	± 2.5	PASS
		VN	40	0.72	0.000383	± 2.5	PASS
		VN	50	2.49	0.001324	± 2.5	PASS
	HCH	VN	-30	4.46	0.002344	± 2.5	PASS
		VN	-20	1.31	0.000689	± 2.5	PASS
		VN	-10	-1.91	-0.001004	± 2.5	PASS
		VN	0	0.72	0.000378	± 2.5	PASS
		VN	10	0.69	0.000363	± 2.5	PASS
		VN	20	2.87	0.001509	± 2.5	PASS
		VN	30	-0.01	-0.000005	± 2.5	PASS
		VN	40	0.86	0.000452	± 2.5	PASS
		VN	50	-0.74	-0.000389	± 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	4.98	0.002677	± 2.5	PASS
		VN	TN	3.91	0.002102	± 2.5	PASS
		VH	TN	0.91	0.000489	± 2.5	PASS
	MCH	VL	TN	3.7	0.001968	± 2.5	PASS
		VN	TN	3.22	0.001713	± 2.5	PASS
		VH	TN	-1.83	-0.000973	± 2.5	PASS
	HCH	VL	TN	1.62	0.000853	± 2.5	PASS
		VN	TN	0.67	0.000353	± 2.5	PASS
		VH	TN	-0.14	-0.000074	± 2.5	PASS
16QAM	LCH	VL	TN	1.6	0.000860	± 2.5	PASS
		VN	TN	-1.89	-0.001016	± 2.5	PASS
		VH	TN	-0.31	-0.000167	± 2.5	PASS
	MCH	VL	TN	2.87	0.001527	± 2.5	PASS
		VN	TN	-1.62	-0.000862	± 2.5	PASS
		VH	TN	-0.92	-0.000489	± 2.5	PASS
	HCH	VL	TN	-0.78	-0.000411	± 2.5	PASS
		VN	TN	1.55	0.000816	± 2.5	PASS
		VH	TN	1.22	0.000642	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.09	-0.000586	± 2.5	PASS
		VN	-20	2.98	0.001602	± 2.5	PASS
		VN	-10	0.74	0.000398	± 2.5	PASS
		VN	0	2.46	0.001323	± 2.5	PASS
		VN	10	2.39	0.001285	± 2.5	PASS
		VN	20	2.38	0.001280	± 2.5	PASS
		VN	30	0.93	0.000500	± 2.5	PASS
		VN	40	3.1	0.001667	± 2.5	PASS
		VN	50	0.24	0.000129	± 2.5	PASS
	MCH	VN	-30	1.1	0.000585	± 2.5	PASS
		VN	-20	4.08	0.002170	± 2.5	PASS
		VN	-10	-1.73	-0.000920	± 2.5	PASS
		VN	0	-0.95	-0.000505	± 2.5	PASS
		VN	10	4.11	0.002186	± 2.5	PASS
		VN	20	3.96	0.002106	± 2.5	PASS

		VN	30	4.71	0.002505	± 2.5	PASS
		VN	40	4.69	0.002495	± 2.5	PASS
		VN	50	3.26	0.001734	± 2.5	PASS
	HCH	VN	-30	1.85	0.000974	± 2.5	PASS
		VN	-20	0.24	0.000126	± 2.5	PASS
		VN	-10	-0.24	-0.000126	± 2.5	PASS
		VN	0	4.75	0.002500	± 2.5	PASS
		VN	10	-1.32	-0.000695	± 2.5	PASS
		VN	20	1.62	0.000853	± 2.5	PASS
		VN	30	3.55	0.001868	± 2.5	PASS
		VN	40	4.95	0.002605	± 2.5	PASS
		VN	50	-0.16	-0.000084	± 2.5	PASS
QPSK	LCH	VN	-30	-1.77	-0.000952	± 2.5	PASS
		VN	-20	2.6	0.001398	± 2.5	PASS
		VN	-10	0.53	0.000285	± 2.5	PASS
		VN	0	2.2	0.001183	± 2.5	PASS
		VN	10	-1.22	-0.000656	± 2.5	PASS
		VN	20	1.67	0.000898	± 2.5	PASS
		VN	30	1.2	0.000645	± 2.5	PASS
		VN	40	2.7	0.001452	± 2.5	PASS
		VN	50	1.91	0.001027	± 2.5	PASS
	MCH	VN	-30	1.32	0.000702	± 2.5	PASS
		VN	-20	-1.38	-0.000734	± 2.5	PASS
		VN	-10	0.09	0.000048	± 2.5	PASS
		VN	0	-0.93	-0.000495	± 2.5	PASS
		VN	10	1.05	0.000559	± 2.5	PASS
		VN	20	4.45	0.002367	± 2.5	PASS
		VN	30	-0.96	-0.000511	± 2.5	PASS
		VN	40	2.77	0.001473	± 2.5	PASS
		VN	50	4.29	0.002282	± 2.5	PASS
	HCH	VN	-30	-1.87	-0.000984	± 2.5	PASS
		VN	-20	1.32	0.000695	± 2.5	PASS
		VN	-10	2.09	0.001100	± 2.5	PASS
		VN	0	-1.66	-0.000874	± 2.5	PASS
		VN	10	3.83	0.002016	± 2.5	PASS
		VN	20	1.79	0.000942	± 2.5	PASS
		VN	30	1.91	0.001005	± 2.5	PASS
		VN	40	-0.67	-0.000353	± 2.5	PASS
		VN	50	4.89	0.002574	± 2.5	PASS