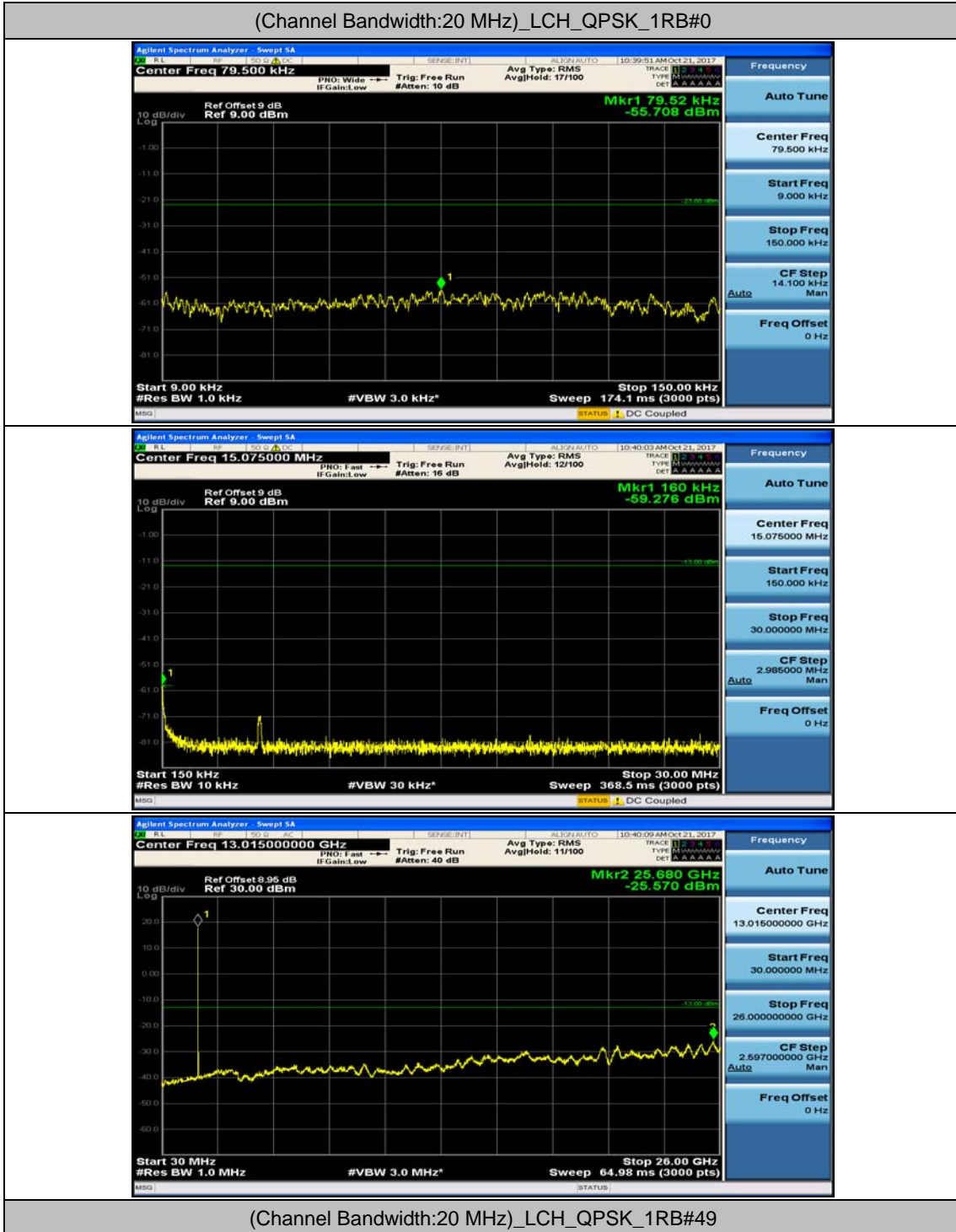
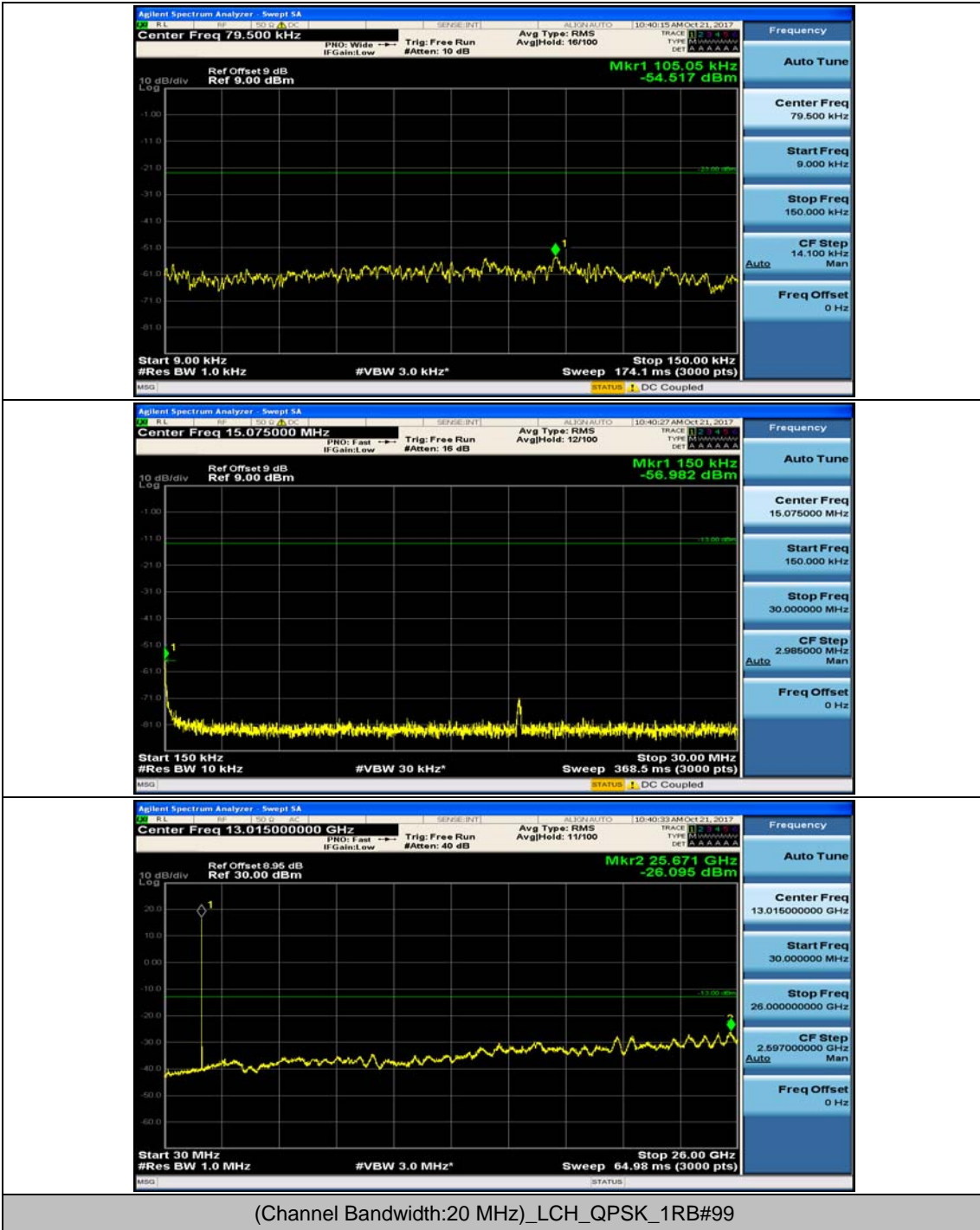
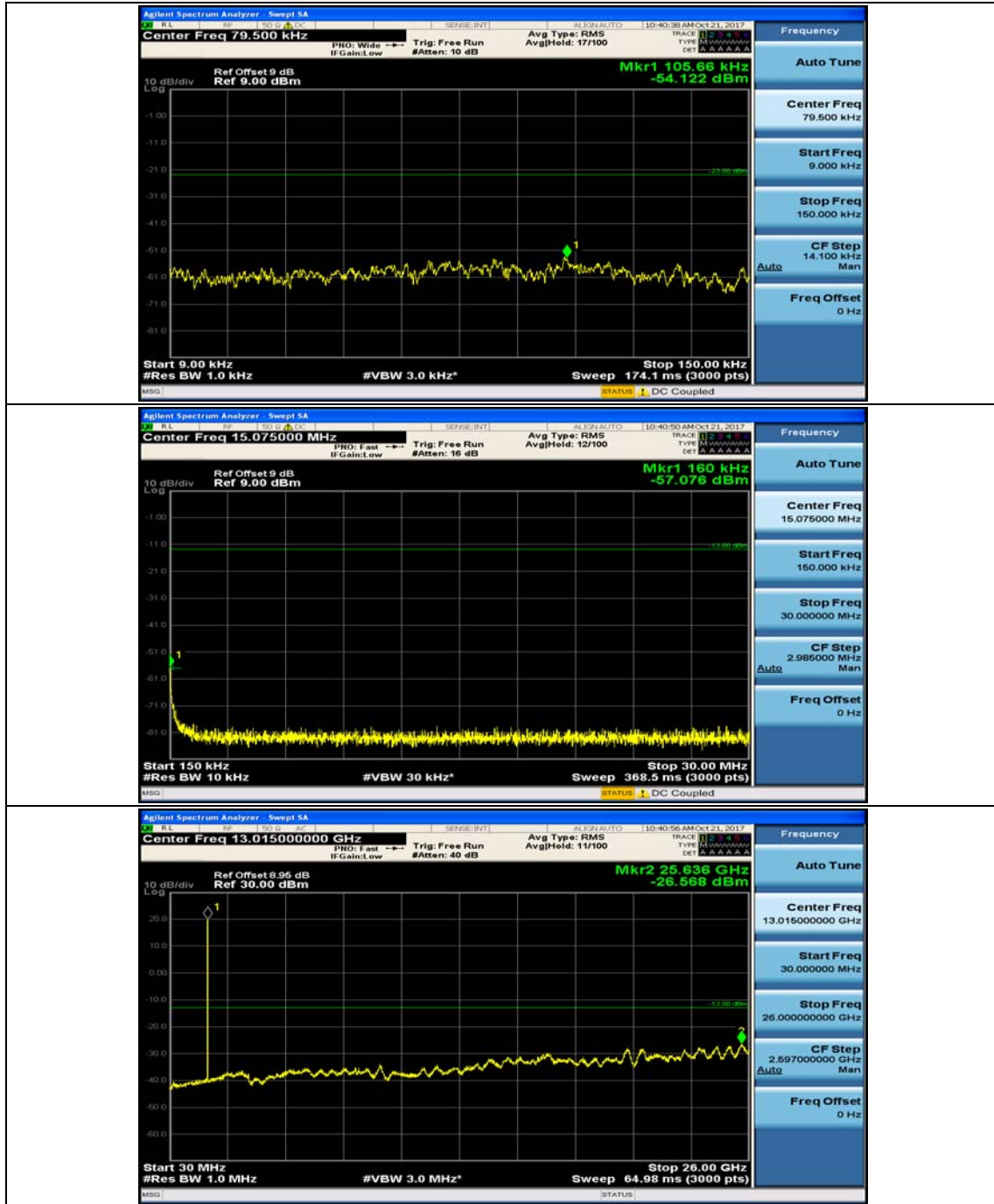


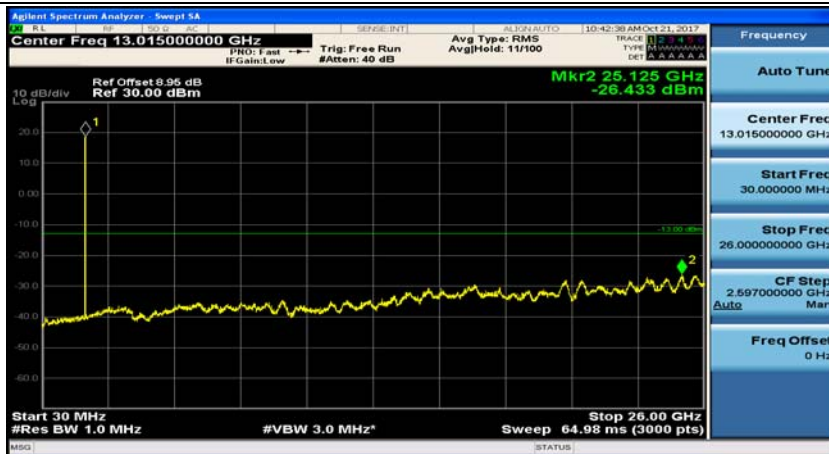
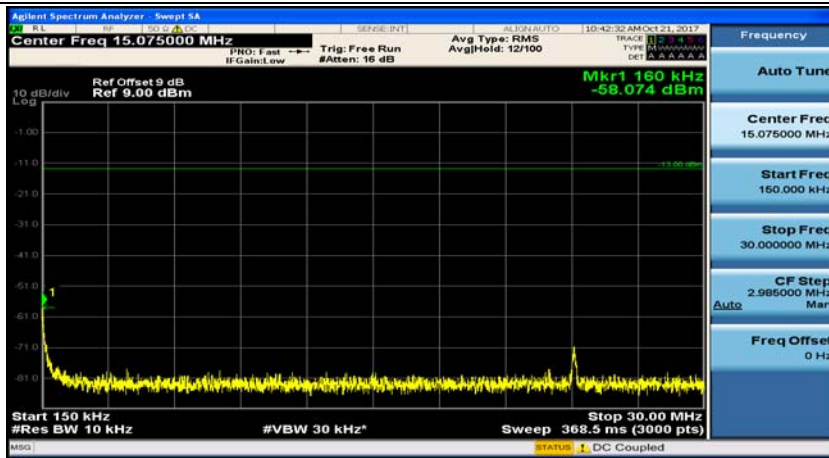
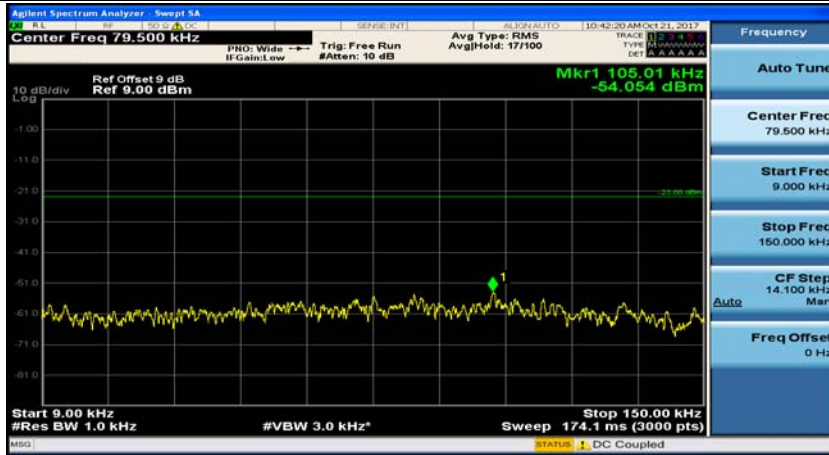
Channel Bandwidth: 20 MHz



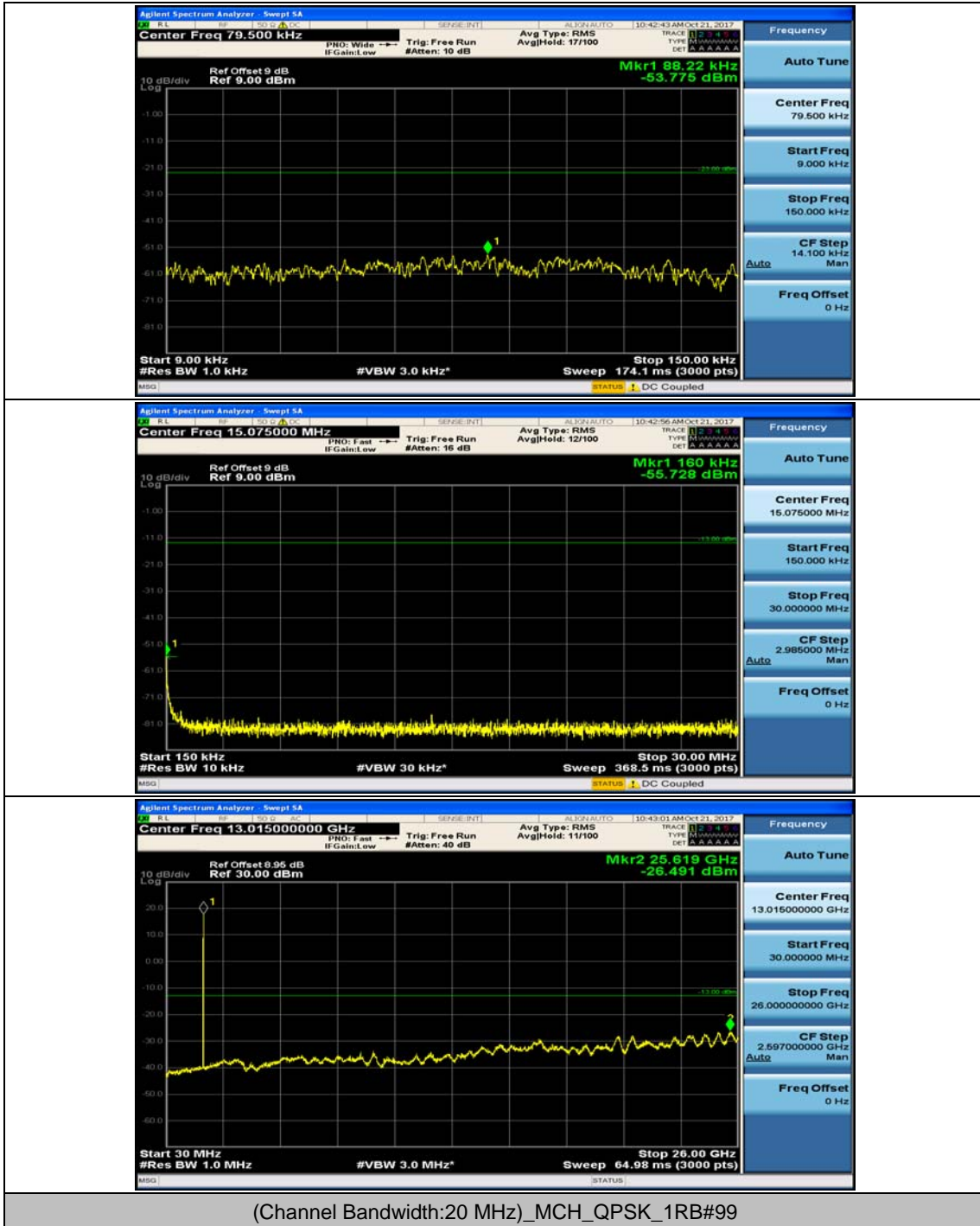


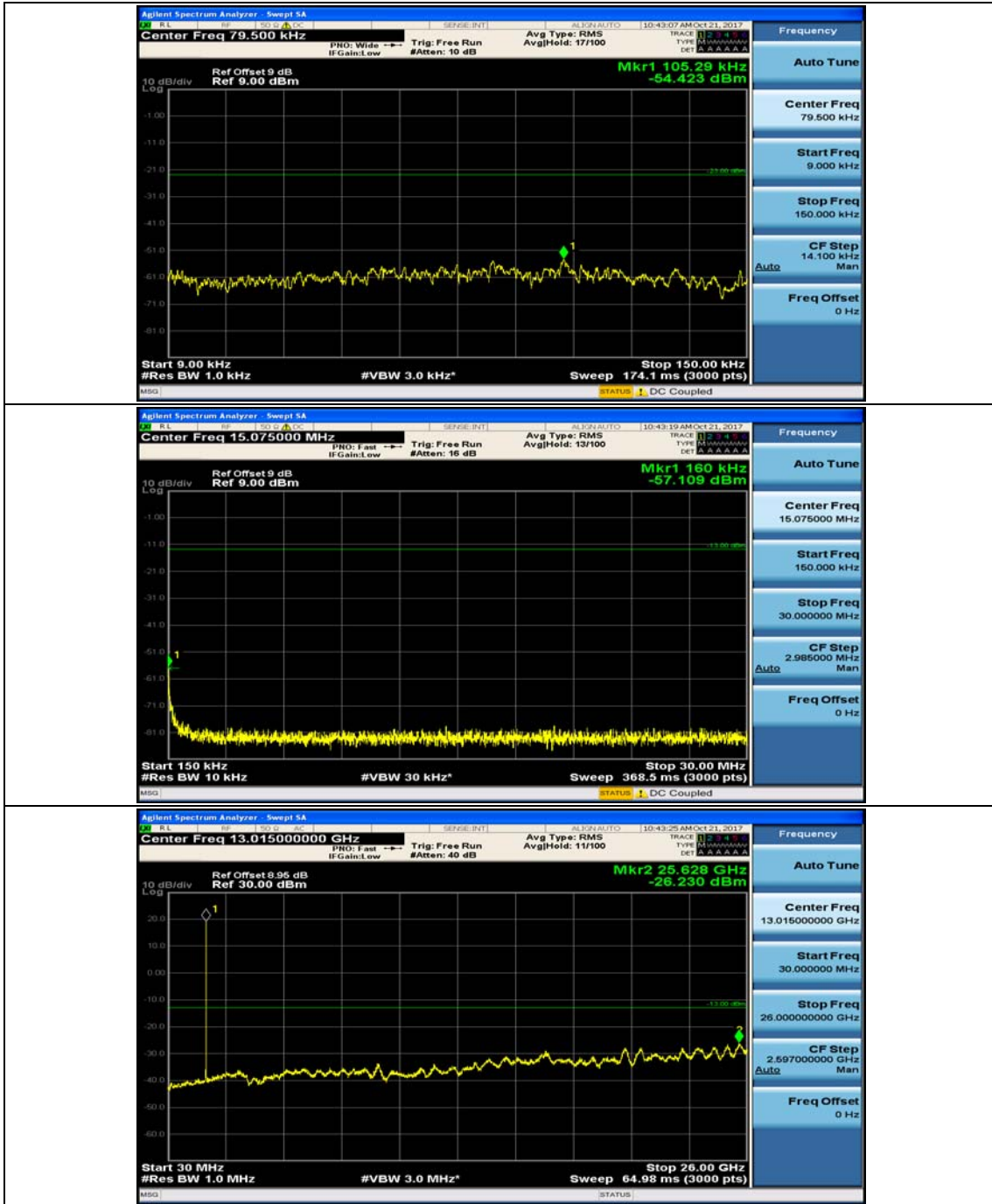


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

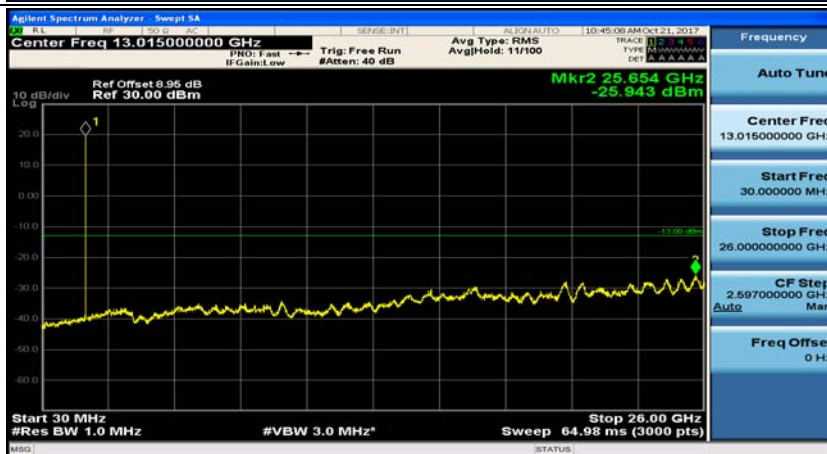
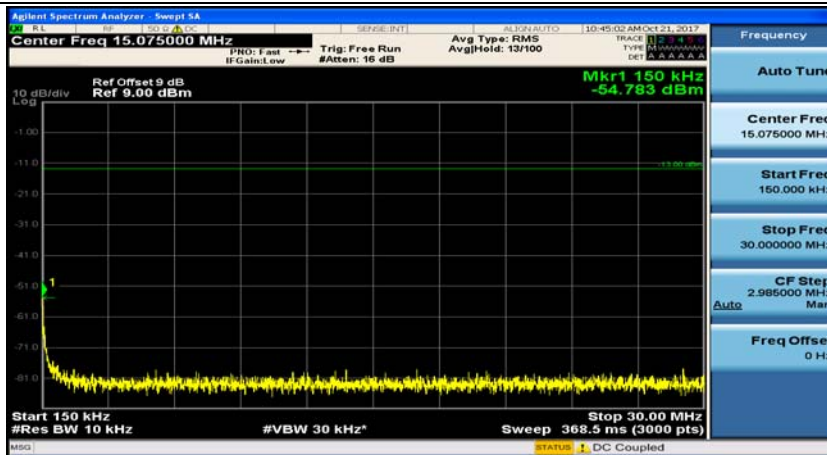
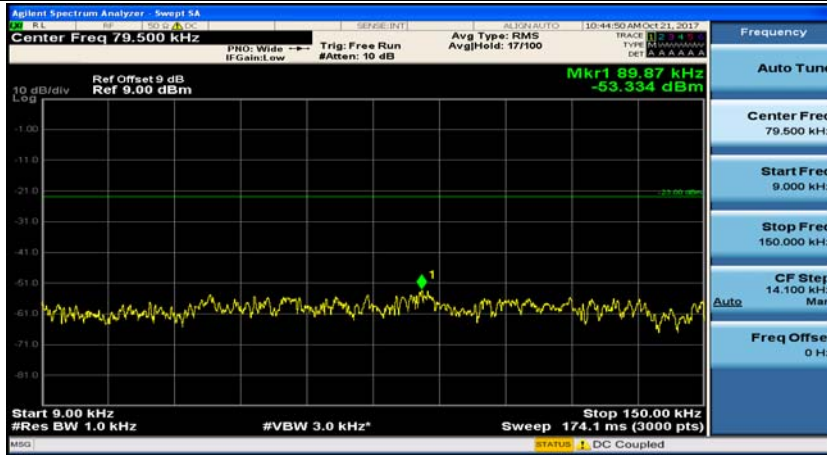


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

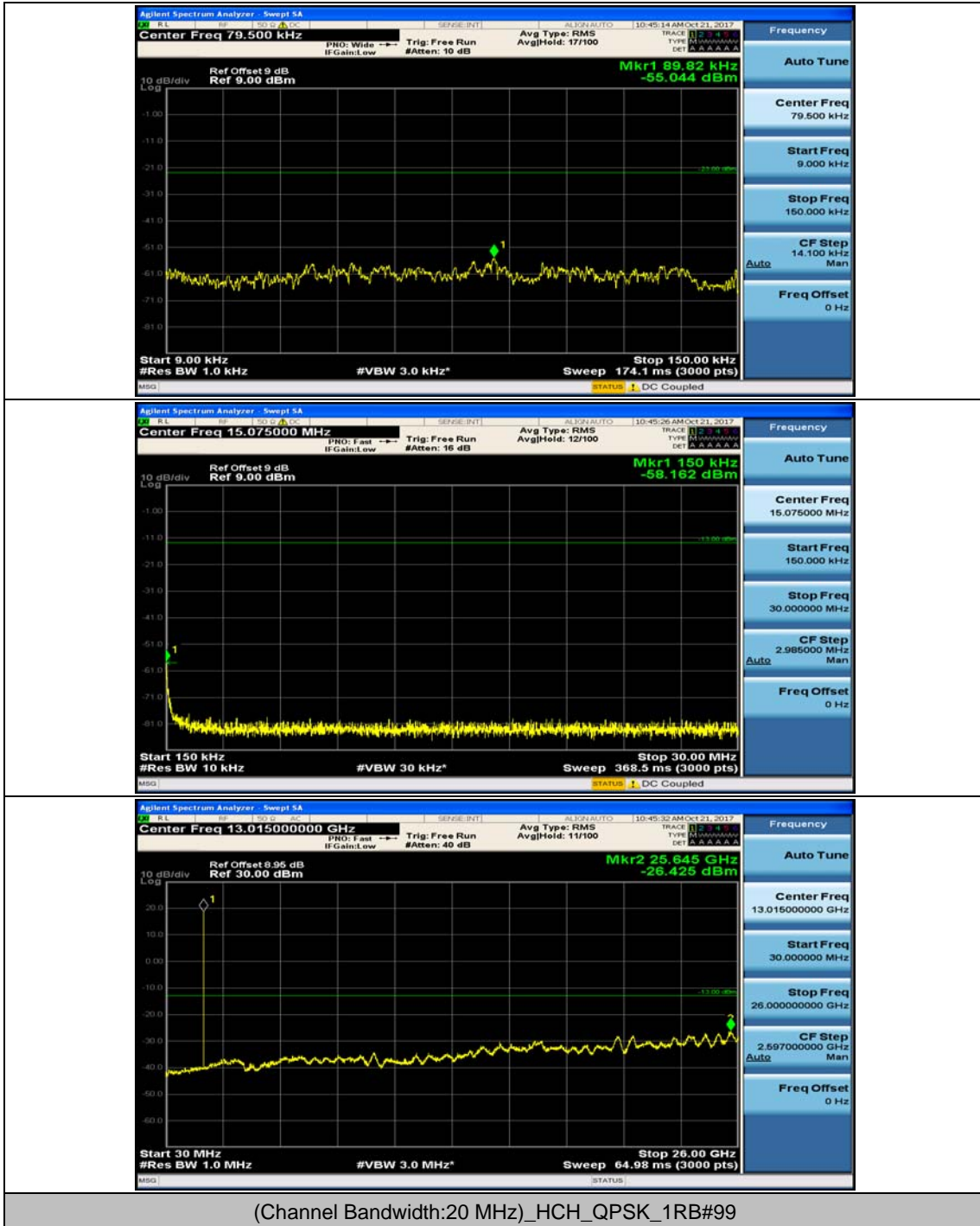


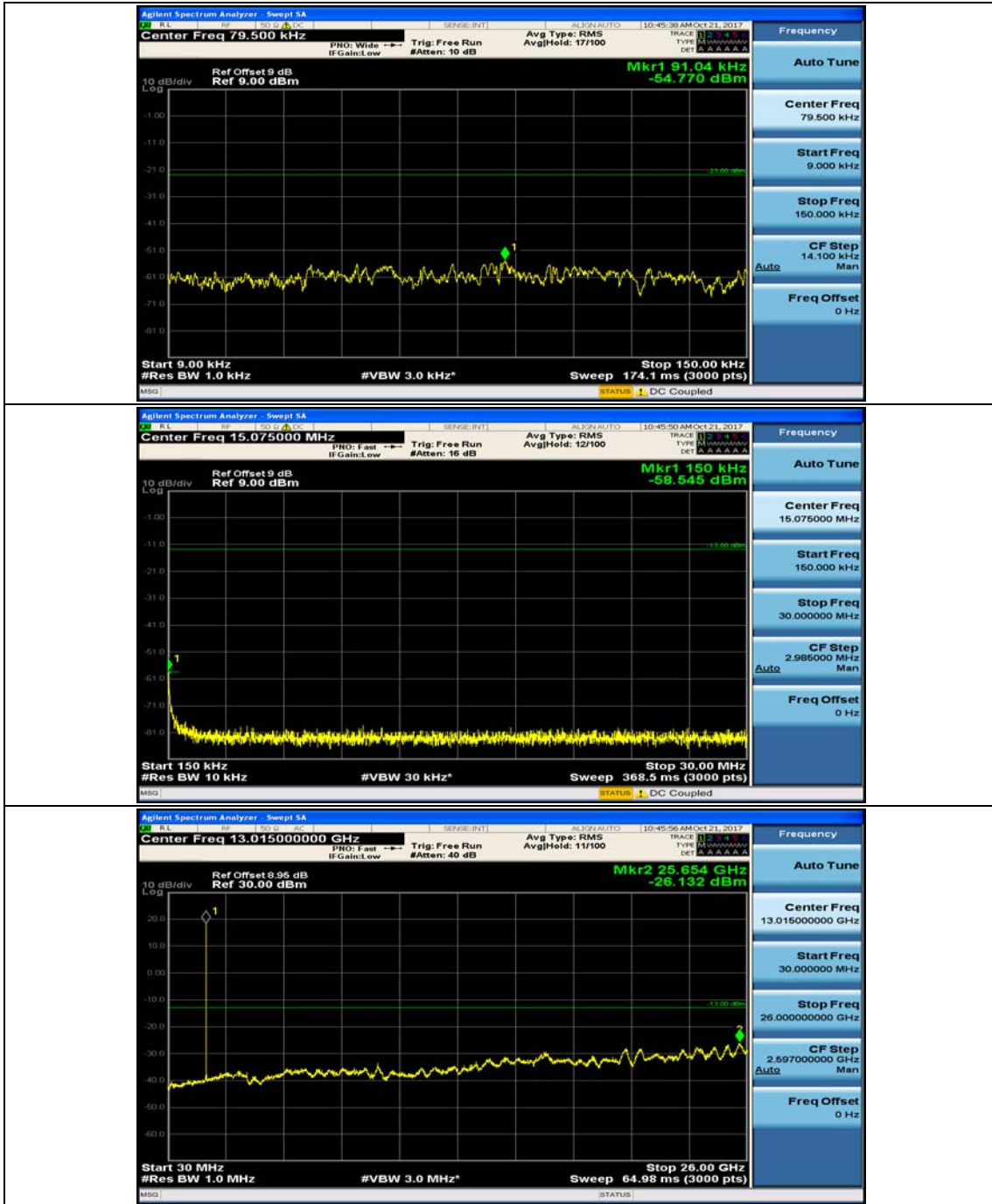


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

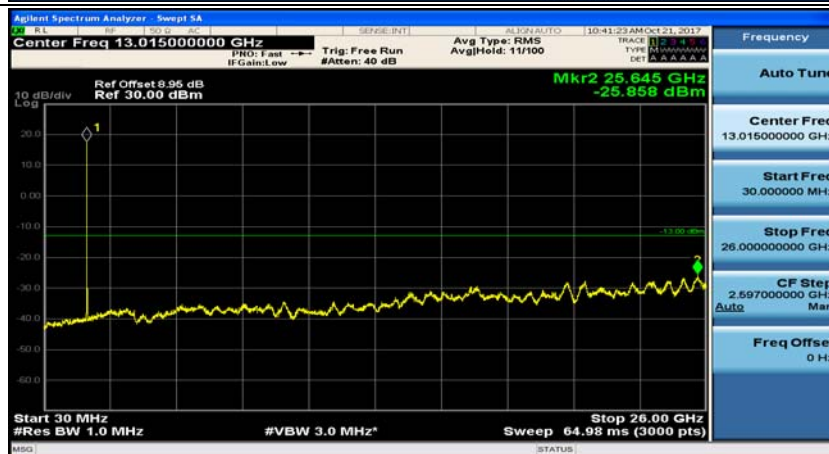
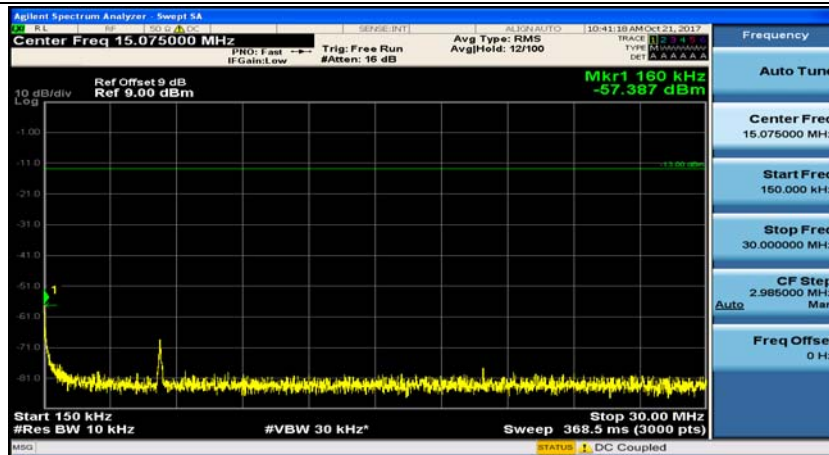


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

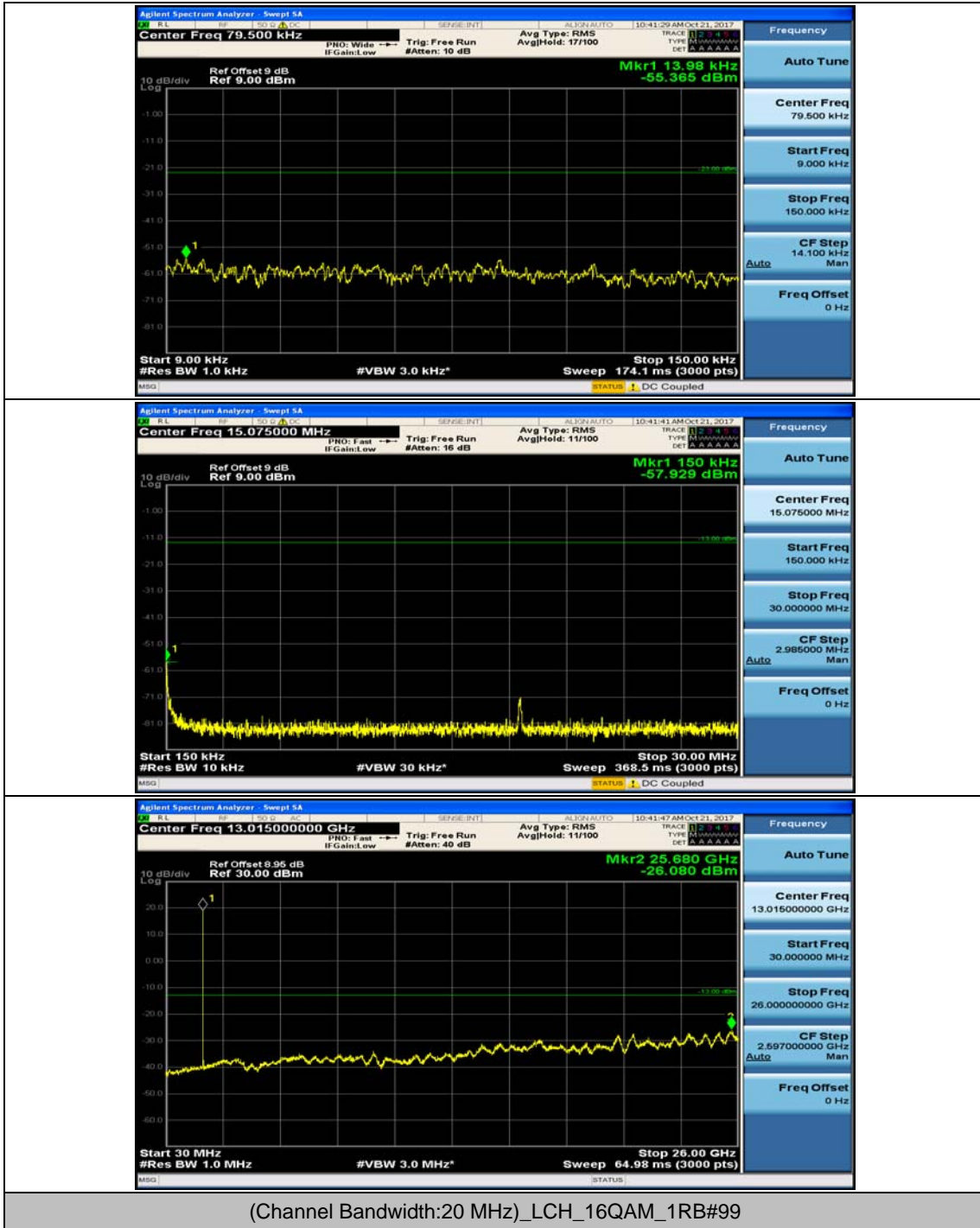


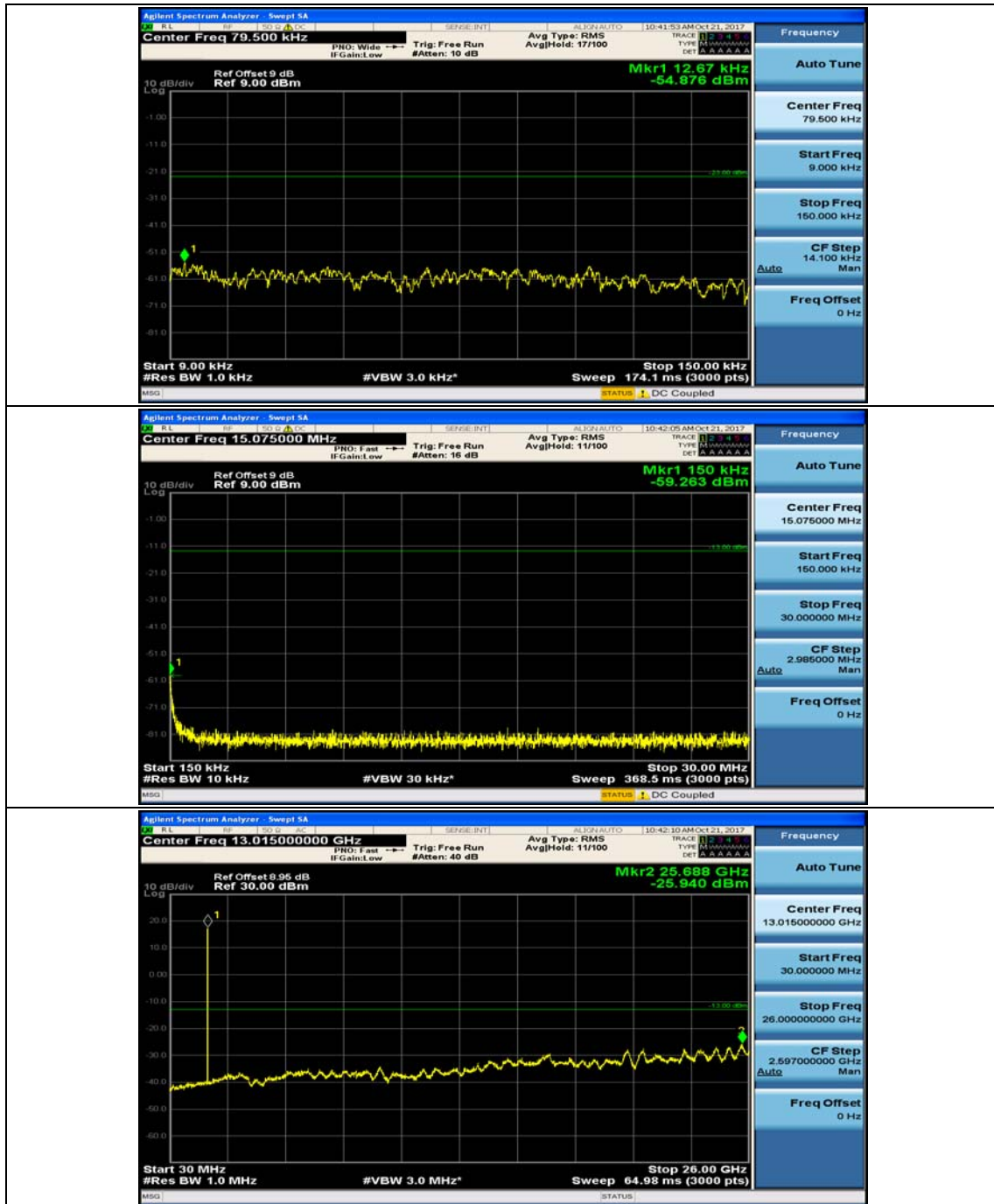


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

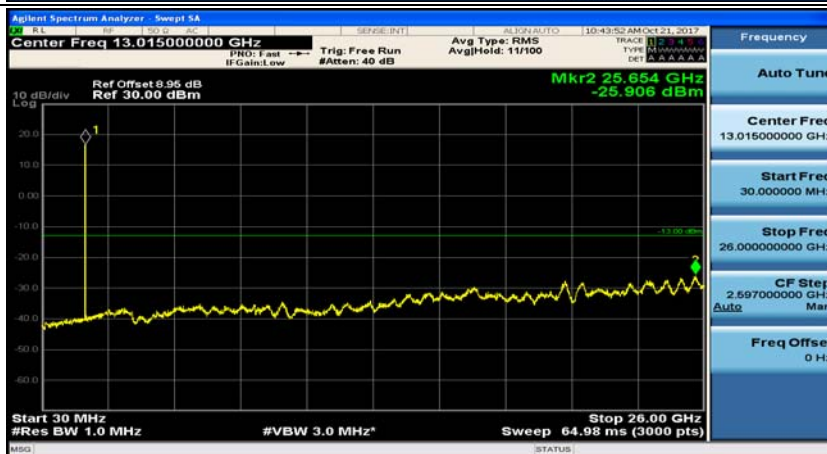
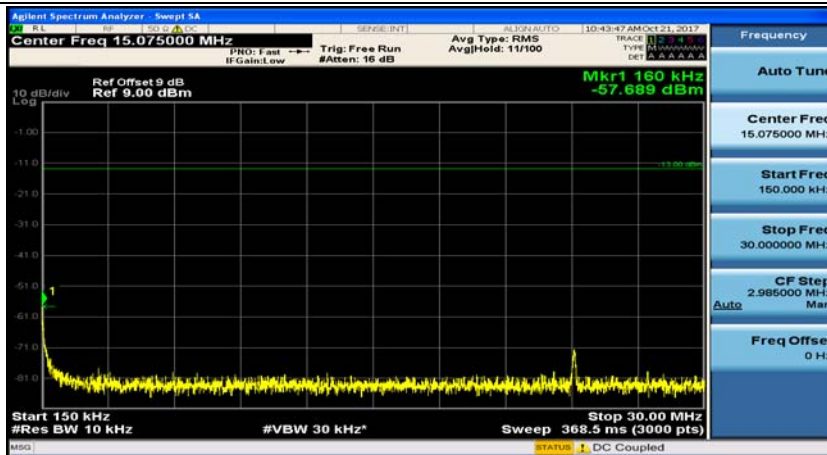
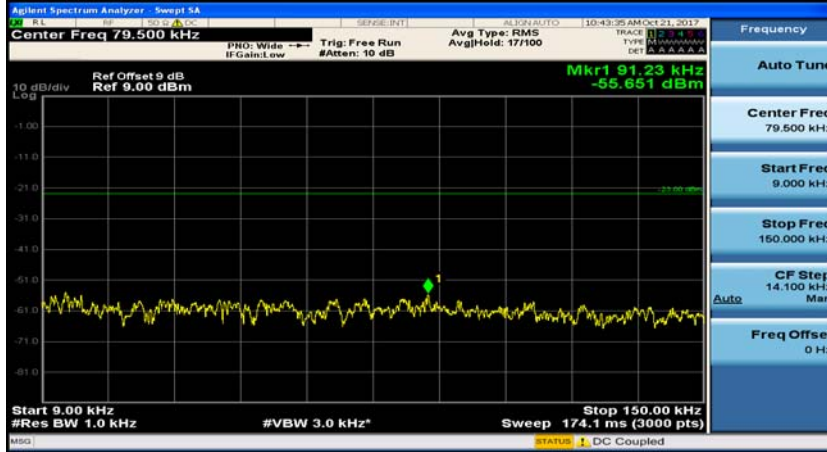


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

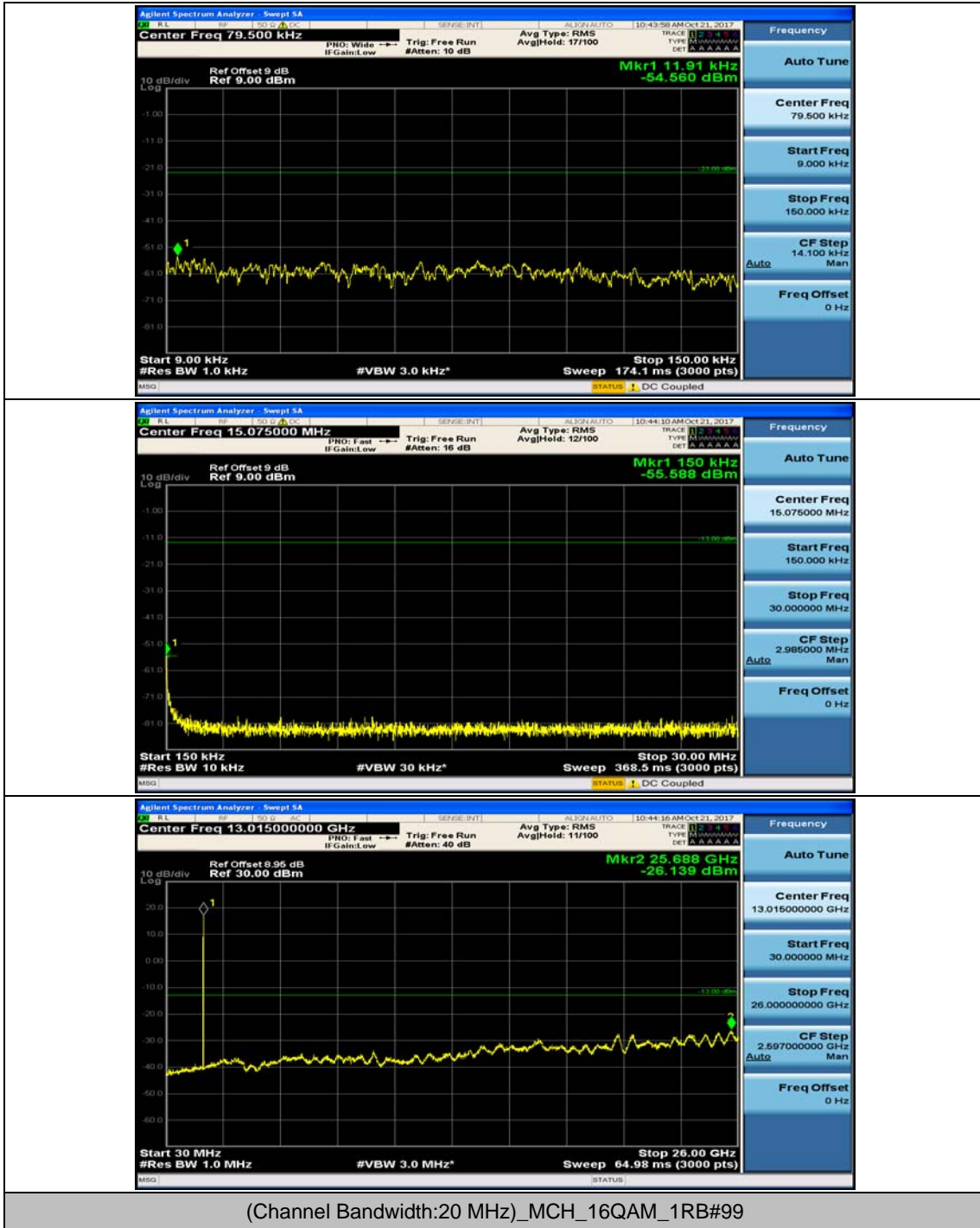


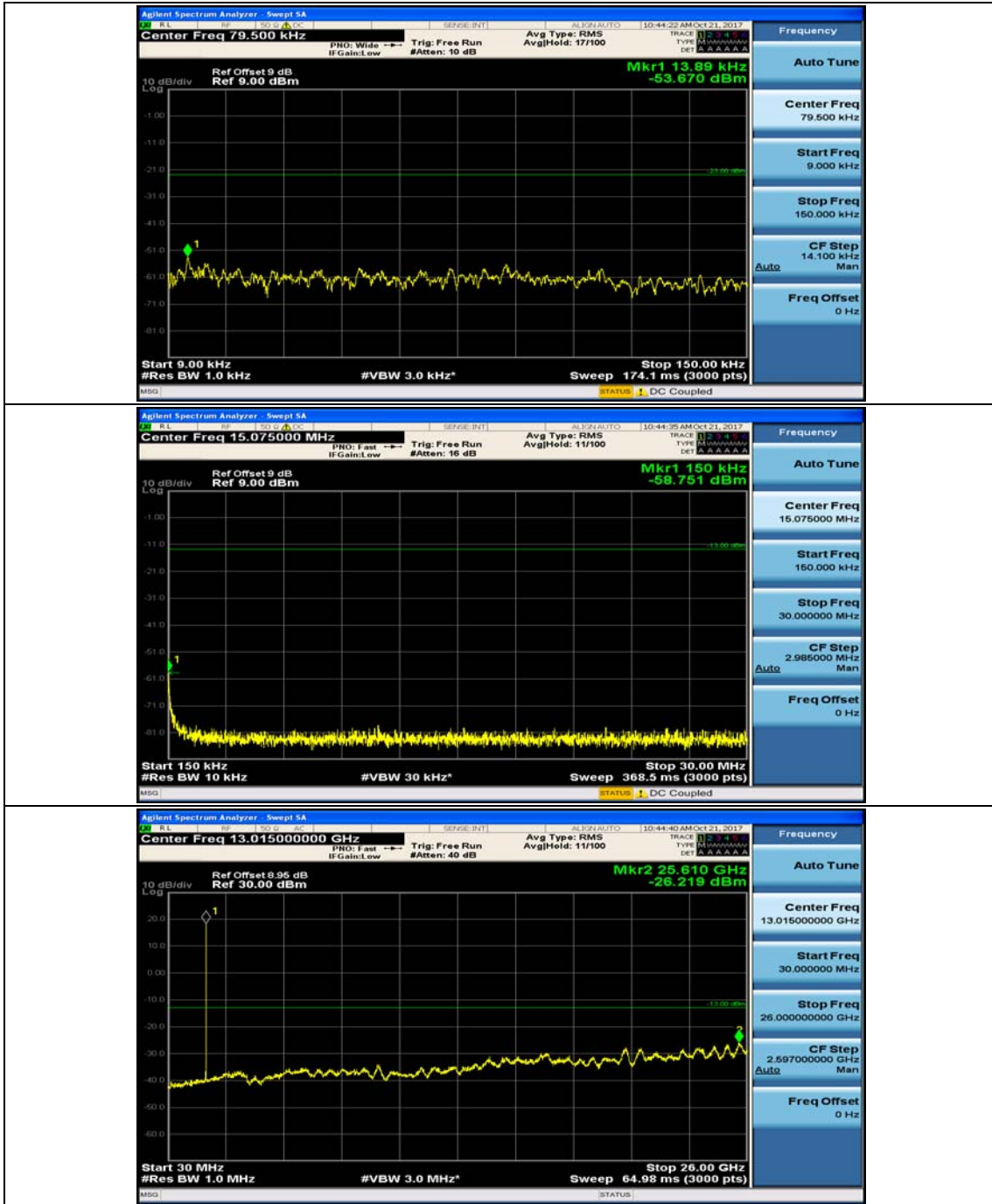


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

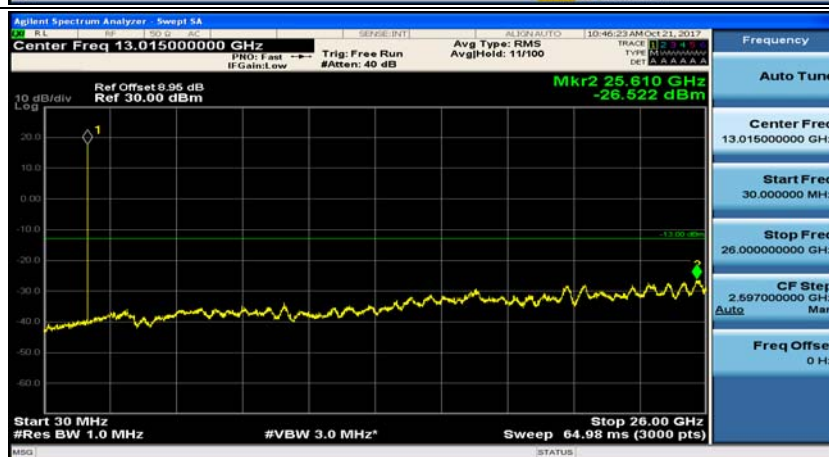
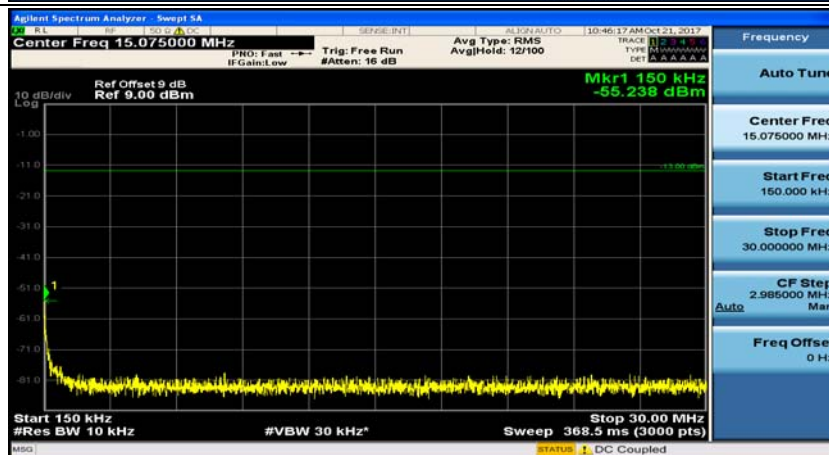
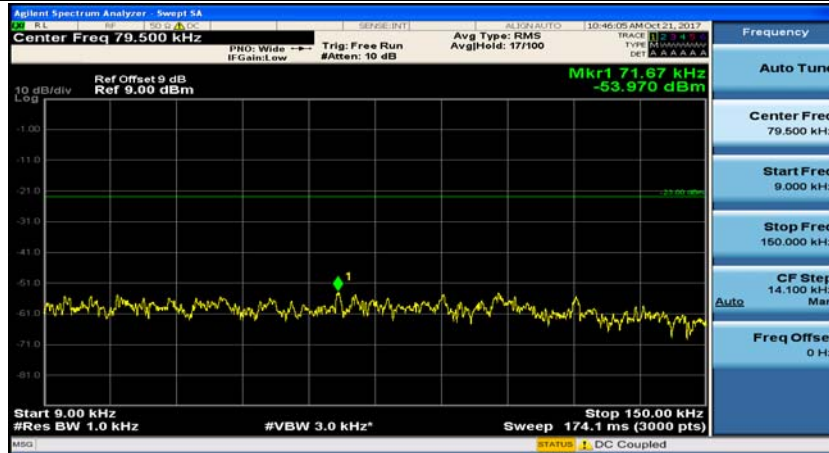


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

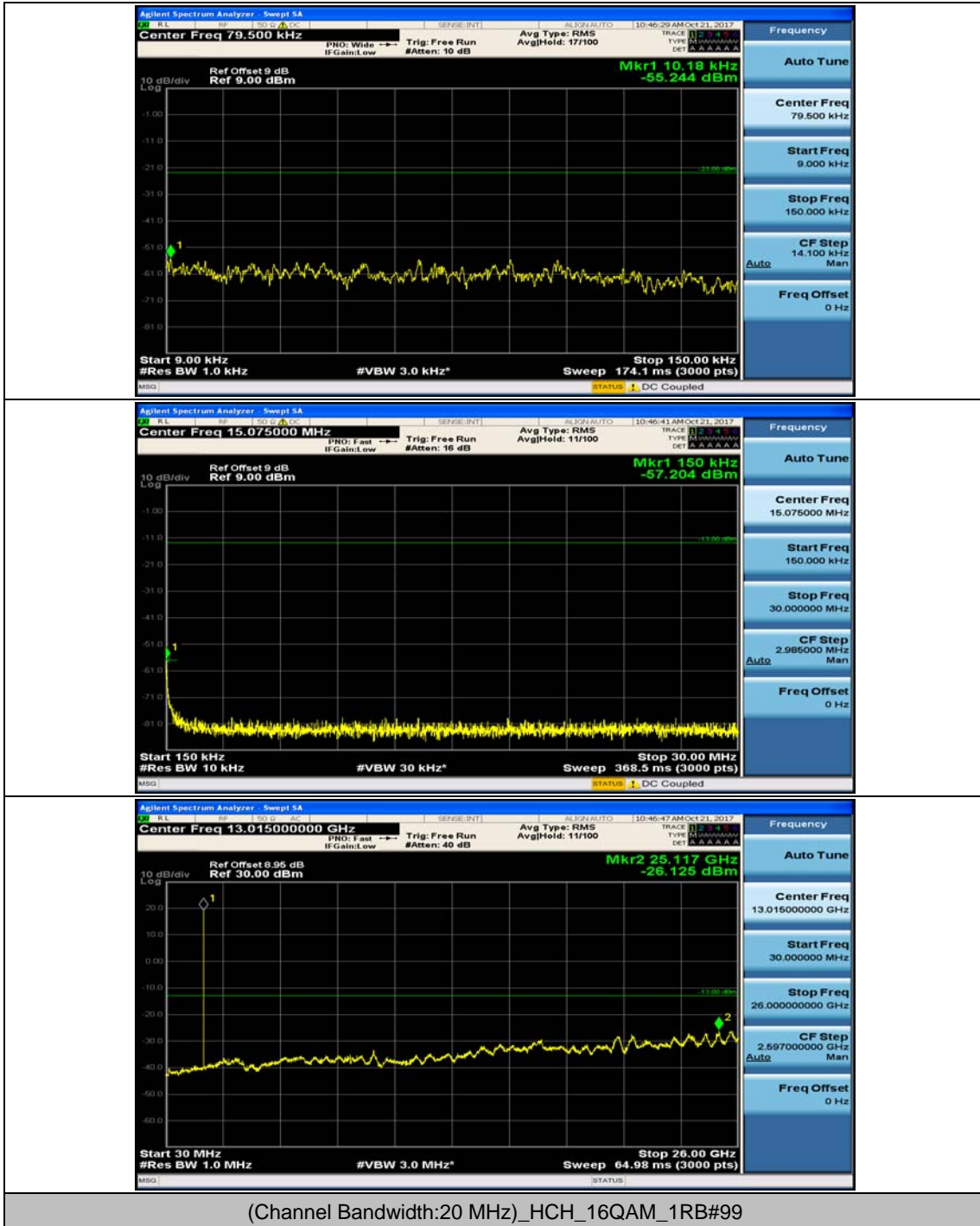


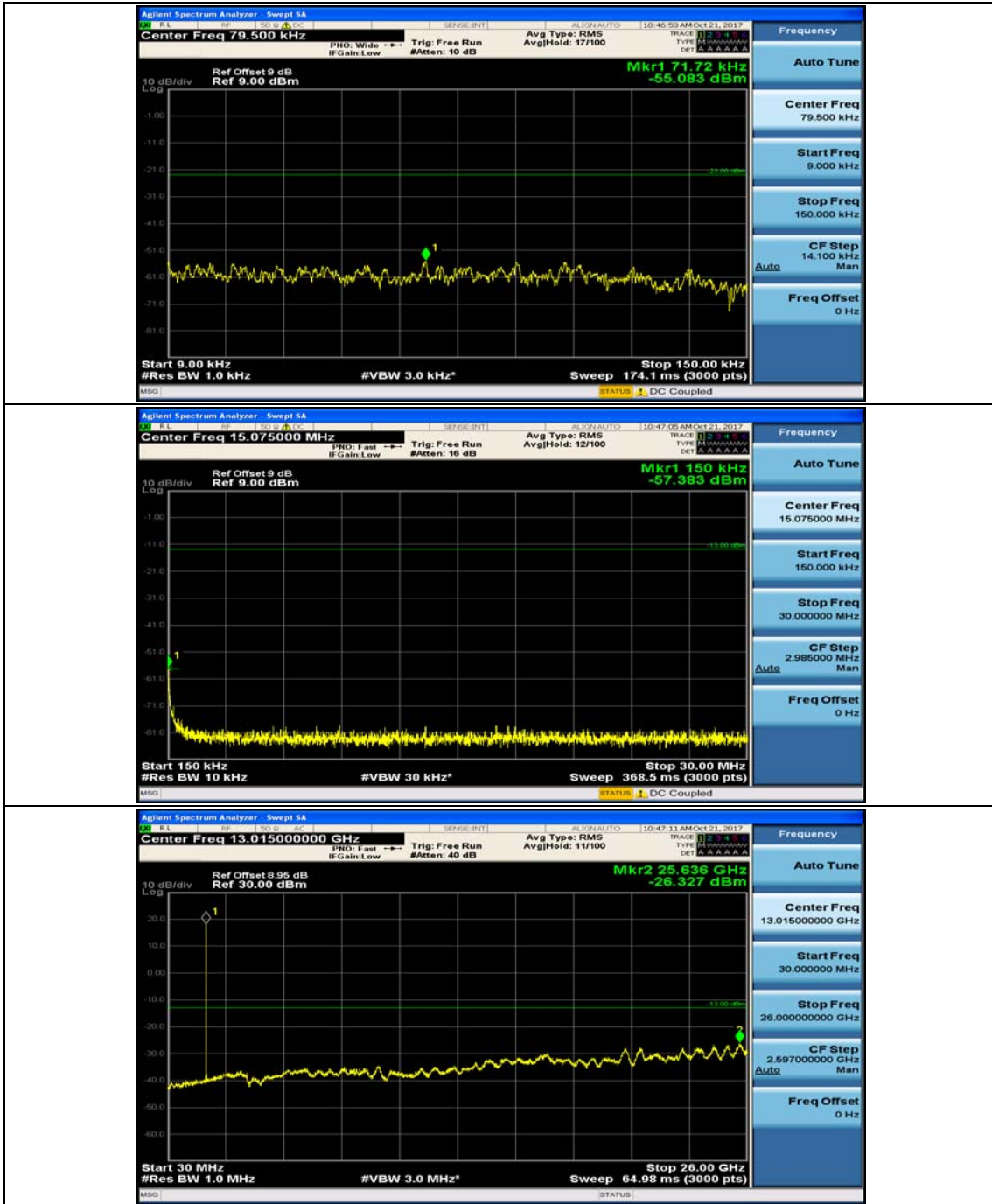


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3	0.001744	± 2.5	PASS
		VN	TN	-1.77	-0.001029	± 2.5	PASS
		VH	TN	-0.82	-0.000477	± 2.5	PASS
	MCH	VL	TN	1.67	0.000964	± 2.5	PASS
		VN	TN	4.31	0.002488	± 2.5	PASS
		VH	TN	3.06	0.001766	± 2.5	PASS
	HCH	VL	TN	-0.78	-0.000447	± 2.5	PASS
		VN	TN	0.63	0.000361	± 2.5	PASS
		VH	TN	0.48	0.000275	± 2.5	PASS
16QAM	LCH	VL	TN	-1.65	-0.000959	± 2.5	PASS
		VN	TN	1.97	0.001145	± 2.5	PASS
		VH	TN	-0.65	-0.000378	± 2.5	PASS
	MCH	VL	TN	1.08	0.000623	± 2.5	PASS
		VN	TN	3.43	0.001980	± 2.5	PASS
		VH	TN	1.66	0.000958	± 2.5	PASS
	HCH	VL	TN	-0.82	-0.000470	± 2.5	PASS
		VN	TN	1.91	0.001095	± 2.5	PASS
		VH	TN	1.22	0.000699	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.85	-0.000494	± 2.5	PASS
		VN	-20	-0.66	-0.000384	± 2.5	PASS
		VN	-10	-0.09	-0.000052	± 2.5	PASS
		VN	0	-0.54	-0.000314	± 2.5	PASS
		VN	10	3.06	0.001779	± 2.5	PASS
		VN	20	0.12	0.000070	± 2.5	PASS
		VN	30	4.91	0.002855	± 2.5	PASS
		VN	40	1.63	0.000948	± 2.5	PASS
		VN	50	0.97	0.000564	± 2.5	PASS
	MCH	VN	-30	3.32	0.001916	± 2.5	PASS

	VN	-20	4.22	0.002436	± 2.5	PASS	
		VN	-10	3.67	0.002118	± 2.5	PASS
		VN	0	-0.36	-0.000208	± 2.5	PASS
		VN	10	2.51	0.001449	± 2.5	PASS
		VN	20	2.95	0.001703	± 2.5	PASS
		VN	30	1.73	0.000999	± 2.5	PASS
		VN	40	3.12	0.001801	± 2.5	PASS
		VN	50	-1.92	-0.001108	± 2.5	PASS
	HCH	VN	-30	2.5	0.001433	± 2.5	PASS
		VN	-20	2.36	0.001352	± 2.5	PASS
		VN	-10	3.2	0.001834	± 2.5	PASS
		VN	0	2.95	0.001691	± 2.5	PASS
		VN	10	3.32	0.001903	± 2.5	PASS
		VN	20	-1.31	-0.000751	± 2.5	PASS
		VN	30	3.28	0.001880	± 2.5	PASS
		VN	40	4.65	0.002665	± 2.5	PASS
		VN	50	2.75	0.001576	± 2.5	PASS
		16QAM	LCH	VN	-30	1.28	0.000739
VN	-20			2.9	0.001674	± 2.5	PASS
VN	-10			1.46	0.000843	± 2.5	PASS
VN	0			4.19	0.002418	± 2.5	PASS
VN	10			1.27	0.000733	± 2.5	PASS
VN	20			3.49	0.002014	± 2.5	PASS
VN	30			0.87	0.000502	± 2.5	PASS
VN	40			2.92	0.001685	± 2.5	PASS
VN	50			4.09	0.002361	± 2.5	PASS
MCH	VN		-30	-1.82	-0.001043	± 2.5	PASS
	VN		-20	0.89	0.000510	± 2.5	PASS
	VN		-10	1.56	0.000894	± 2.5	PASS
	VN		0	0.97	0.000556	± 2.5	PASS
	VN		10	1.28	0.000734	± 2.5	PASS
	VN		20	4.42	0.002533	± 2.5	PASS
	VN		30	-1.95	-0.001117	± 2.5	PASS
	VN		40	-0.03	-0.000017	± 2.5	PASS
	VN		50	0.38	0.000218	± 2.5	PASS
HCH	VN		-30	0.95	0.000544	± 2.5	PASS
	VN		-20	4.28	0.002453	± 2.5	PASS
	VN		-10	4.35	0.002493	± 2.5	PASS
	VN		0	-1.47	-0.000842	± 2.5	PASS
	VN		10	2.44	0.001398	± 2.5	PASS
	VN		20	3.64	0.002086	± 2.5	PASS

		VN	30	3.03	0.001736	± 2.5	PASS
		VN	40	-0.36	-0.000206	± 2.5	PASS
		VN	50	-0.27	-0.000155	± 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	1.14	0.000663	± 2.5	PASS
		VN	TN	4.17	0.002424	± 2.5	PASS
		VH	TN	0.43	0.000250	± 2.5	PASS
	MCH	VL	TN	-0.56	-0.000323	± 2.5	PASS
		VN	TN	3.53	0.002038	± 2.5	PASS
		VH	TN	1.21	0.000698	± 2.5	PASS
	HCH	VL	TN	4.33	0.002481	± 2.5	PASS
		VN	TN	2.64	0.001513	± 2.5	PASS
		VH	TN	2.1	0.001203	± 2.5	PASS
16QAM	LCH	VL	TN	-0.98	-0.000570	± 2.5	PASS
		VN	TN	1.64	0.000953	± 2.5	PASS
		VH	TN	-0.97	-0.000564	± 2.5	PASS
	MCH	VL	TN	0.27	0.000156	± 2.5	PASS
		VN	TN	0.83	0.000479	± 2.5	PASS
		VH	TN	-1.65	-0.000952	± 2.5	PASS
	HCH	VL	TN	2.03	0.001163	± 2.5	PASS
		VN	TN	1.62	0.000928	± 2.5	PASS
		VH	TN	0.5	0.000287	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.27	0.001320	± 2.5	PASS
		VN	-20	-1.55	-0.000901	± 2.5	PASS
		VN	-10	0.97	0.000564	± 2.5	PASS
		VN	0	2.64	0.001535	± 2.5	PASS
		VN	10	0.59	0.000343	± 2.5	PASS
		VN	20	3.19	0.001855	± 2.5	PASS
		VN	30	0.52	0.000302	± 2.5	PASS
		VN	40	1.11	0.000645	± 2.5	PASS
		VN	50	-1.33	-0.000773	± 2.5	PASS
	MCH	VN	-30	0.49	0.000283	± 2.5	PASS
		VN	-20	4.48	0.002586	± 2.5	PASS

		VN	-10	3.99	0.002303	± 2.5	PASS	
		VN	0	-0.33	-0.000190	± 2.5	PASS	
		VN	10	3.99	0.002303	± 2.5	PASS	
		VN	20	0.12	0.000069	± 2.5	PASS	
		VN	30	-1.77	-0.001022	± 2.5	PASS	
		VN	40	4.64	0.002678	± 2.5	PASS	
		VN	50	0.08	0.000046	± 2.5	PASS	
	HCH	VN	-30	3.39	0.001943	± 2.5	PASS	
		VN	-20	3.79	0.002172	± 2.5	PASS	
		VN	-10	-1.66	-0.000951	± 2.5	PASS	
		VN	0	1.22	0.000699	± 2.5	PASS	
		VN	10	-1.71	-0.000980	± 2.5	PASS	
		VN	20	3.94	0.002258	± 2.5	PASS	
		VN	30	4.2	0.002407	± 2.5	PASS	
	QPSK	LCH	VN	40	4.63	0.002653	± 2.5	PASS
			VN	50	3.66	0.002097	± 2.5	PASS
			VN	-30	-0.04	-0.000023	± 2.5	PASS
			VN	-20	-1.67	-0.000964	± 2.5	PASS
VN			-10	3.57	0.002061	± 2.5	PASS	
VN			0	4.67	0.002696	± 2.5	PASS	
VN			10	-1.48	-0.000854	± 2.5	PASS	
VN			20	0.79	0.000456	± 2.5	PASS	
VN			30	-1.6	-0.000924	± 2.5	PASS	
MCH		VN	40	-1.24	-0.000716	± 2.5	PASS	
		VN	50	4.48	0.002586	± 2.5	PASS	
		VN	-30	-0.71	-0.000407	± 2.5	PASS	
		VN	-20	1.12	0.000642	± 2.5	PASS	
		VN	-10	4.75	0.002722	± 2.5	PASS	
		VN	0	0.01	0.000006	± 2.5	PASS	
		VN	10	3.21	0.001840	± 2.5	PASS	
		VN	20	4.62	0.002648	± 2.5	PASS	
		VN	30	-1.1	-0.000630	± 2.5	PASS	
HCH	VN	40	1.39	0.000797	± 2.5	PASS		
	VN	50	4.48	0.002567	± 2.5	PASS		
	VN	-30	1.98	0.001135	± 2.5	PASS		
	VN	-20	1.49	0.000854	± 2.5	PASS		
	VN	-10	4.89	0.002802	± 2.5	PASS		
	VN	0	3.68	0.002109	± 2.5	PASS		
	VN	10	2.71	0.001553	± 2.5	PASS		
VN	20	-0.2	-0.000115	± 2.5	PASS			
VN	30	3.51	0.002011	± 2.5	PASS			

		VN	40	2.02	0.001158	± 2.5	PASS
		VN	50	0.5	0.000287	± 2.5	PASS

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	1.13	0.000657	± 2.5	PASS
		VN	TN	-1.55	-0.000901	± 2.5	PASS
		VH	TN	4.07	0.002366	± 2.5	PASS
	MCH	VL	TN	-1.8	-0.001039	± 2.5	PASS
		VN	TN	0.19	0.000110	± 2.5	PASS
		VH	TN	3.15	0.001818	± 2.5	PASS
	HCH	VL	TN	4.22	0.002418	± 2.5	PASS
		VN	TN	0.38	0.000218	± 2.5	PASS
		VH	TN	0.77	0.000441	± 2.5	PASS
16QAM	LCH	VL	TN	-1.39	-0.000808	± 2.5	PASS
		VN	TN	-0.38	-0.000221	± 2.5	PASS
		VH	TN	-0.98	-0.000570	± 2.5	PASS
	MCH	VL	TN	2.92	0.001685	± 2.5	PASS
		VN	TN	2.04	0.001177	± 2.5	PASS
		VH	TN	-1.13	-0.000652	± 2.5	PASS
	HCH	VL	TN	1.07	0.000613	± 2.5	PASS
		VN	TN	0.99	0.000567	± 2.5	PASS
		VH	TN	4.4	0.002521	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.84	0.001651	± 2.5	PASS
		VN	-20	0.23	0.000134	± 2.5	PASS
		VN	-10	4.74	0.002756	± 2.5	PASS
		VN	0	3.56	0.002070	± 2.5	PASS
		VN	10	0.73	0.000424	± 2.5	PASS
		VN	20	-0.3	-0.000174	± 2.5	PASS
		VN	30	-0.93	-0.000541	± 2.5	PASS
		VN	40	2.62	0.001523	± 2.5	PASS
		VN	50	-1.83	-0.001064	± 2.5	PASS
	MCH	VN	-30	2.64	0.001524	± 2.5	PASS
		VN	-20	1.36	0.000785	± 2.5	PASS
		VN	-10	1.02	0.000589	± 2.5	PASS

		VN	0	1.33	0.000768	± 2.5	PASS		
		VN	10	4.45	0.002569	± 2.5	PASS		
		VN	20	0.36	0.000208	± 2.5	PASS		
		VN	30	1.44	0.000831	± 2.5	PASS		
		VN	40	1.47	0.000848	± 2.5	PASS		
		VN	50	-0.35	-0.000202	± 2.5	PASS		
	HCH	VN	-30	0.06	0.000034	± 2.5	PASS		
		VN	-20	3.97	0.002275	± 2.5	PASS		
		VN	-10	-0.25	-0.000143	± 2.5	PASS		
		VN	0	0.3	0.000172	± 2.5	PASS		
		VN	10	0.75	0.000430	± 2.5	PASS		
		VN	20	3.14	0.001799	± 2.5	PASS		
		VN	30	4.61	0.002642	± 2.5	PASS		
		VN	40	2.39	0.001370	± 2.5	PASS		
		VN	50	4.26	0.002441	± 2.5	PASS		
		16QAM	LCH	VN	-30	2.16	0.001247	± 2.5	PASS
				VN	-20	-1.59	-0.000918	± 2.5	PASS
				VN	-10	3.47	0.002003	± 2.5	PASS
VN	0			4.04	0.002332	± 2.5	PASS		
VN	10			-1.77	-0.001022	± 2.5	PASS		
VN	20			-1.62	-0.000935	± 2.5	PASS		
VN	30			-1.04	-0.000600	± 2.5	PASS		
VN	40			-1.14	-0.000658	± 2.5	PASS		
VN	50			2.54	0.001466	± 2.5	PASS		
MCH	VN		-30	3.93	0.002252	± 2.5	PASS		
	VN		-20	4.16	0.002384	± 2.5	PASS		
	VN		-10	1.88	0.001077	± 2.5	PASS		
	VN		0	1.55	0.000888	± 2.5	PASS		
	VN		10	-0.53	-0.000304	± 2.5	PASS		
	VN		20	3.95	0.002264	± 2.5	PASS		
	VN		30	-1.1	-0.000630	± 2.5	PASS		
	VN		40	3.89	0.002229	± 2.5	PASS		
	VN		50	0.48	0.000275	± 2.5	PASS		
HCH	VN		-30	2.84	0.001628	± 2.5	PASS		
	VN		-20	3.05	0.001748	± 2.5	PASS		
	VN		-10	1.62	0.000928	± 2.5	PASS		
	VN		0	0.86	0.000493	± 2.5	PASS		
	VN		10	1.93	0.001106	± 2.5	PASS		
	VN		20	0.32	0.000183	± 2.5	PASS		
	VN		30	-0.98	-0.000562	± 2.5	PASS		
	VN		40	3.34	0.001914	± 2.5	PASS		

		VN	50	2.79	0.001599	± 2.5	PASS
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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	1.89	0.001099	± 2.5	PASS
		VN	TN	0.16	0.000093	± 2.5	PASS
		VH	TN	1.09	0.000634	± 2.5	PASS
	MCH	VL	TN	3.79	0.002188	± 2.5	PASS
		VN	TN	-1.6	-0.000924	± 2.5	PASS
		VH	TN	3	0.001732	± 2.5	PASS
	HCH	VL	TN	1.43	0.000819	± 2.5	PASS
		VN	TN	0.1	0.000057	± 2.5	PASS
		VH	TN	4.04	0.002315	± 2.5	PASS
16QAM	LCH	VL	TN	2.97	0.001727	± 2.5	PASS
		VN	TN	-1.33	-0.000773	± 2.5	PASS
		VH	TN	2.37	0.001378	± 2.5	PASS
	MCH	VL	TN	0.79	0.000456	± 2.5	PASS
		VN	TN	3.15	0.001818	± 2.5	PASS
		VH	TN	-0.17	-0.000098	± 2.5	PASS
	HCH	VL	TN	3.56	0.002040	± 2.5	PASS
		VN	TN	0.08	0.000046	± 2.5	PASS
		VH	TN	3.37	0.001931	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	3.93	0.002285	± 2.5	PASS
		VN	-20	4.55	0.002645	± 2.5	PASS
		VN	-10	0.45	0.000262	± 2.5	PASS
		VN	0	0.51	0.000297	± 2.5	PASS
		VN	10	0.52	0.000302	± 2.5	PASS
		VN	20	1.58	0.000919	± 2.5	PASS
		VN	30	4.2	0.002442	± 2.5	PASS
		VN	40	-0.82	-0.000477	± 2.5	PASS
		VN	50	0.99	0.000576	± 2.5	PASS
	MCH	VN	-30	1.51	0.000872	± 2.5	PASS
		VN	-20	2.69	0.001553	± 2.5	PASS
		VN	-10	4	0.002309	± 2.5	PASS
		VN	0	0.96	0.000554	± 2.5	PASS

		VN	10	2.33	0.001345	± 2.5	PASS
		VN	20	3.51	0.002026	± 2.5	PASS
		VN	30	0.71	0.000410	± 2.5	PASS
		VN	40	4.13	0.002384	± 2.5	PASS
		VN	50	1.51	0.000872	± 2.5	PASS
	HCH	VN	-30	-1.24	-0.000711	± 2.5	PASS
		VN	-20	-0.88	-0.000504	± 2.5	PASS
		VN	-10	4.95	0.002837	± 2.5	PASS
		VN	0	-0.8	-0.000458	± 2.5	PASS
		VN	10	3.88	0.002223	± 2.5	PASS
		VN	20	4.93	0.002825	± 2.5	PASS
		VN	30	0.72	0.000413	± 2.5	PASS
		VN	40	-0.53	-0.000304	± 2.5	PASS
		VN	50	2.52	0.001444	± 2.5	PASS
		QPSK	LCH	VN	-30	0.81	0.000468
VN	-20			0.15	0.000087	± 2.5	PASS
VN	-10			2.74	0.001582	± 2.5	PASS
VN	0			-0.12	-0.000069	± 2.5	PASS
VN	10			4.04	0.002332	± 2.5	PASS
VN	20			0.85	0.000491	± 2.5	PASS
VN	30			0.11	0.000063	± 2.5	PASS
VN	40			0.59	0.000341	± 2.5	PASS
VN	50			3.34	0.001928	± 2.5	PASS
MCH	VN		-30	3.95	0.002264	± 2.5	PASS
	VN		-20	-1.36	-0.000779	± 2.5	PASS
	VN		-10	1.57	0.000900	± 2.5	PASS
	VN		0	3.18	0.001822	± 2.5	PASS
	VN		10	4.5	0.002579	± 2.5	PASS
	VN		20	2.82	0.001616	± 2.5	PASS
	VN		30	0.41	0.000235	± 2.5	PASS
	VN		40	1.75	0.001003	± 2.5	PASS
	VN		50	-0.51	-0.000292	± 2.5	PASS
HCH	VN		-30	2.73	0.001564	± 2.5	PASS
	VN		-20	2.19	0.001255	± 2.5	PASS
	VN		-10	4.88	0.002797	± 2.5	PASS
	VN		0	-1.59	-0.000911	± 2.5	PASS
	VN		10	4.54	0.002602	± 2.5	PASS
	VN		20	1.29	0.000739	± 2.5	PASS
	VN		30	1.59	0.000911	± 2.5	PASS
	VN		40	-0.97	-0.000556	± 2.5	PASS
	VN		50	0.27	0.000155	± 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	-0.77	-0.000448	± 2.5	PASS
		VN	TN	1.11	0.000645	± 2.5	PASS
		VH	TN	2.49	0.001448	± 2.5	PASS
	MCH	VL	TN	-1.89	-0.001091	± 2.5	PASS
		VN	TN	-0.86	-0.000496	± 2.5	PASS
		VH	TN	-1.07	-0.000618	± 2.5	PASS
	HCH	VL	TN	3.72	0.002132	± 2.5	PASS
		VN	TN	-0.22	-0.000126	± 2.5	PASS
		VH	TN	-1.53	-0.000877	± 2.5	PASS
16QAM	LCH	VL	TN	1.39	0.000808	± 2.5	PASS
		VN	TN	-1.73	-0.001006	± 2.5	PASS
		VH	TN	-1.2	-0.000698	± 2.5	PASS
	MCH	VL	TN	3.08	0.001778	± 2.5	PASS
		VN	TN	-1.84	-0.001062	± 2.5	PASS
		VH	TN	-1.87	-0.001079	± 2.5	PASS
	HCH	VL	TN	0.46	0.000264	± 2.5	PASS
		VN	TN	4.9	0.002808	± 2.5	PASS
		VH	TN	1.48	0.000848	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.16	0.001256	± 2.5	PASS
		VN	-20	0.47	0.000273	± 2.5	PASS
		VN	-10	1.29	0.000750	± 2.5	PASS
		VN	0	2.81	0.001634	± 2.5	PASS
		VN	10	2.09	0.001215	± 2.5	PASS
		VN	20	4.8	0.002791	± 2.5	PASS
		VN	30	3.73	0.002169	± 2.5	PASS
		VN	40	-1.74	-0.001012	± 2.5	PASS
	MCH	VN	50	3.25	0.001890	± 2.5	PASS
		VN	-30	-0.09	-0.000052	± 2.5	PASS
		VN	-20	1.91	0.001102	± 2.5	PASS
		VN	-10	-1.66	-0.000958	± 2.5	PASS
		VN	0	1.37	0.000791	± 2.5	PASS
		VN	10	-0.64	-0.000369	± 2.5	PASS
VN	20	-0.7	-0.000404	± 2.5	PASS		

	VN	30	0.85	0.000491	± 2.5	PASS	
		40	1.22	0.000704	± 2.5	PASS	
		50	-0.4	-0.000231	± 2.5	PASS	
	HCH	VN	-30	4.69	0.002688	± 2.5	PASS
		VN	-20	2.74	0.001570	± 2.5	PASS
		VN	-10	3.83	0.002195	± 2.5	PASS
		VN	0	2.4	0.001375	± 2.5	PASS
		VN	10	0.31	0.000178	± 2.5	PASS
		VN	20	0.83	0.000476	± 2.5	PASS
		VN	30	4.02	0.002304	± 2.5	PASS
		VN	40	2.15	0.001232	± 2.5	PASS
		VN	50	0.61	0.000350	± 2.5	PASS
QPSK	LCH	VN	-30	-0.27	-0.000156	± 2.5	PASS
		VN	-20	0.2	0.000115	± 2.5	PASS
		VN	-10	1.4	0.000808	± 2.5	PASS
		VN	0	3.36	0.001939	± 2.5	PASS
		VN	10	1.75	0.001010	± 2.5	PASS
		VN	20	4.73	0.002730	± 2.5	PASS
		VN	30	0.55	0.000317	± 2.5	PASS
		VN	40	0.17	0.000098	± 2.5	PASS
		VN	50	-0.33	-0.000190	± 2.5	PASS
	MCH	VN	-30	2.81	0.001610	± 2.5	PASS
		VN	-20	-1.96	-0.001123	± 2.5	PASS
		VN	-10	3.03	0.001736	± 2.5	PASS
		VN	0	3.75	0.002149	± 2.5	PASS
		VN	10	0.42	0.000241	± 2.5	PASS
		VN	20	3.82	0.002189	± 2.5	PASS
		VN	30	2.44	0.001398	± 2.5	PASS
		VN	40	0.16	0.000092	± 2.5	PASS
		VN	50	3.39	0.001943	± 2.5	PASS
	HCH	VN	-30	4.31	0.002470	± 2.5	PASS
		VN	-20	3.24	0.001857	± 2.5	PASS
		VN	-10	-0.67	-0.000384	± 2.5	PASS
		VN	0	4.07	0.002332	± 2.5	PASS
		VN	10	4.44	0.002544	± 2.5	PASS
		VN	20	-1.41	-0.000808	± 2.5	PASS
		VN	30	3.03	0.001736	± 2.5	PASS
		VN	40	0.27	0.000155	± 2.5	PASS
		VN	50	-1.76	-0.001009	± 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	-1.01	-0.000587	± 2.5	PASS
		VN	TN	4.71	0.002738	± 2.5	PASS
		VH	TN	0.43	0.000250	± 2.5	PASS
	MCH	VL	TN	-1.04	-0.000600	± 2.5	PASS
		VN	TN	-1.89	-0.001091	± 2.5	PASS
		VH	TN	4.02	0.002320	± 2.5	PASS
	HCH	VL	TN	-0.87	-0.000499	± 2.5	PASS
		VN	TN	1.86	0.001066	± 2.5	PASS
		VH	TN	0.21	0.000120	± 2.5	PASS
16QAM	LCH	VL	TN	0.33	0.000192	± 2.5	PASS
		VN	TN	4.63	0.002692	± 2.5	PASS
		VH	TN	1.76	0.001023	± 2.5	PASS
	MCH	VL	TN	-0.11	-0.000063	± 2.5	PASS
		VN	TN	0.99	0.000571	± 2.5	PASS
		VH	TN	3.97	0.002291	± 2.5	PASS
	HCH	VL	TN	0.77	0.000441	± 2.5	PASS
		VN	TN	1.32	0.000756	± 2.5	PASS
		VH	TN	4.42	0.002533	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.18	0.000105	± 2.5	PASS
		VN	-20	4.3	0.002500	± 2.5	PASS
		VN	-10	1.73	0.001006	± 2.5	PASS
		VN	0	-1.51	-0.000878	± 2.5	PASS
		VN	10	-1.87	-0.001087	± 2.5	PASS
		VN	20	0.69	0.000401	± 2.5	PASS
		VN	30	3.94	0.002291	± 2.5	PASS
		VN	40	3.08	0.001791	± 2.5	PASS
		VN	50	-0.19	-0.000110	± 2.5	PASS
	MCH	VN	-30	2.62	0.001512	± 2.5	PASS
		VN	-20	1.31	0.000756	± 2.5	PASS
		VN	-10	4.17	0.002407	± 2.5	PASS
		VN	0	-0.22	-0.000127	± 2.5	PASS
		VN	10	4.31	0.002488	± 2.5	PASS
		VN	20	1.67	0.000964	± 2.5	PASS

		VN	30	4.38	0.002528	± 2.5	PASS
		VN	40	0.47	0.000271	± 2.5	PASS
		VN	50	2.99	0.001726	± 2.5	PASS
	HCH	VN	-30	2.28	0.001307	± 2.5	PASS
		VN	-20	3.58	0.002052	± 2.5	PASS
		VN	-10	-1.83	-0.001049	± 2.5	PASS
		VN	0	0.27	0.000155	± 2.5	PASS
		VN	10	1.32	0.000756	± 2.5	PASS
		VN	20	0.06	0.000034	± 2.5	PASS
		VN	30	-1.96	-0.001123	± 2.5	PASS
		VN	40	4.51	0.002585	± 2.5	PASS
		VN	50	1.32	0.000756	± 2.5	PASS
QPSK	LCH	VN	-30	0.02	0.000012	± 2.5	PASS
		VN	-20	4.25	0.002453	± 2.5	PASS
		VN	-10	1.1	0.000635	± 2.5	PASS
		VN	0	-1.45	-0.000837	± 2.5	PASS
		VN	10	1.35	0.000779	± 2.5	PASS
		VN	20	-2	-0.001154	± 2.5	PASS
		VN	30	-1.93	-0.001114	± 2.5	PASS
		VN	40	-0.79	-0.000456	± 2.5	PASS
		VN	50	-0.64	-0.000369	± 2.5	PASS
	MCH	VN	-30	0.36	0.000206	± 2.5	PASS
		VN	-20	-1.58	-0.000905	± 2.5	PASS
		VN	-10	-0.74	-0.000424	± 2.5	PASS
		VN	0	1.78	0.001020	± 2.5	PASS
		VN	10	-1.63	-0.000934	± 2.5	PASS
		VN	20	3.41	0.001954	± 2.5	PASS
		VN	30	-0.91	-0.000521	± 2.5	PASS
		VN	40	4.76	0.002728	± 2.5	PASS
		VN	50	2.55	0.001461	± 2.5	PASS
	HCH	VN	-30	1.19	0.000682	± 2.5	PASS
		VN	-20	2.77	0.001587	± 2.5	PASS
		VN	-10	2.12	0.001215	± 2.5	PASS
		VN	0	4.68	0.002682	± 2.5	PASS
		VN	10	-0.08	-0.000046	± 2.5	PASS
		VN	20	-1.5	-0.000860	± 2.5	PASS
		VN	30	-0.82	-0.000470	± 2.5	PASS
		VN	40	3.9	0.002235	± 2.5	PASS
		VN	50	3.48	0.001994	± 2.5	PASS