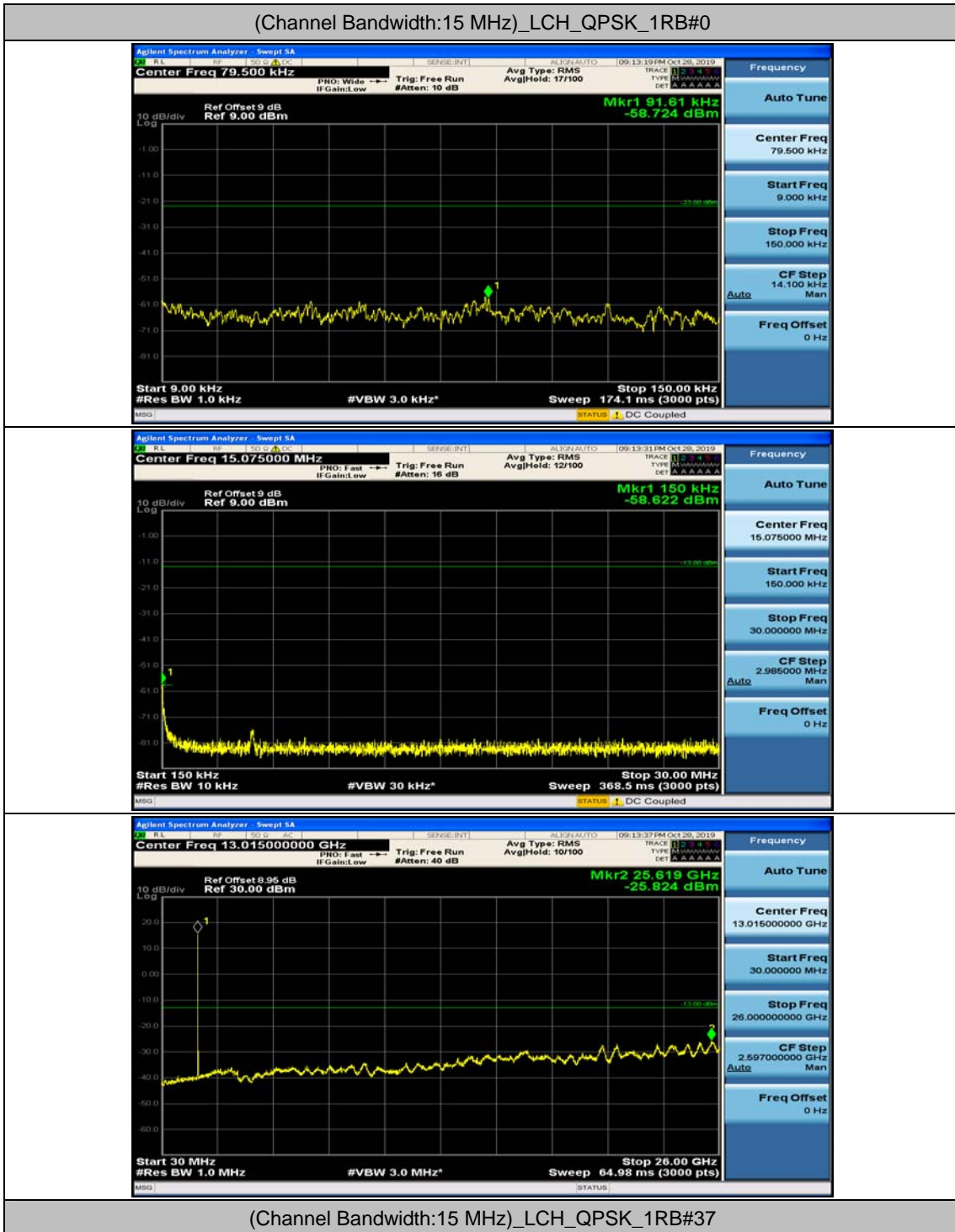
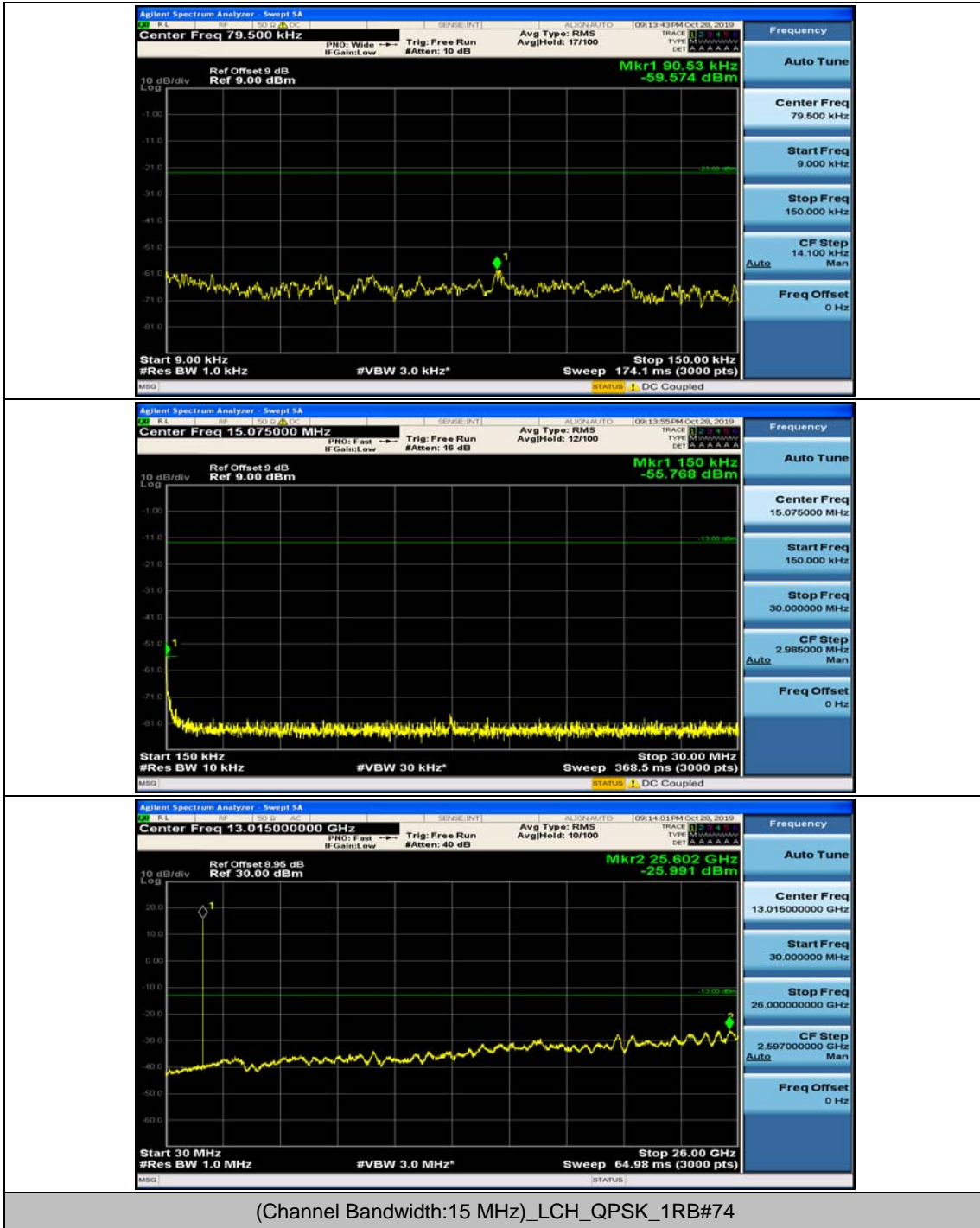
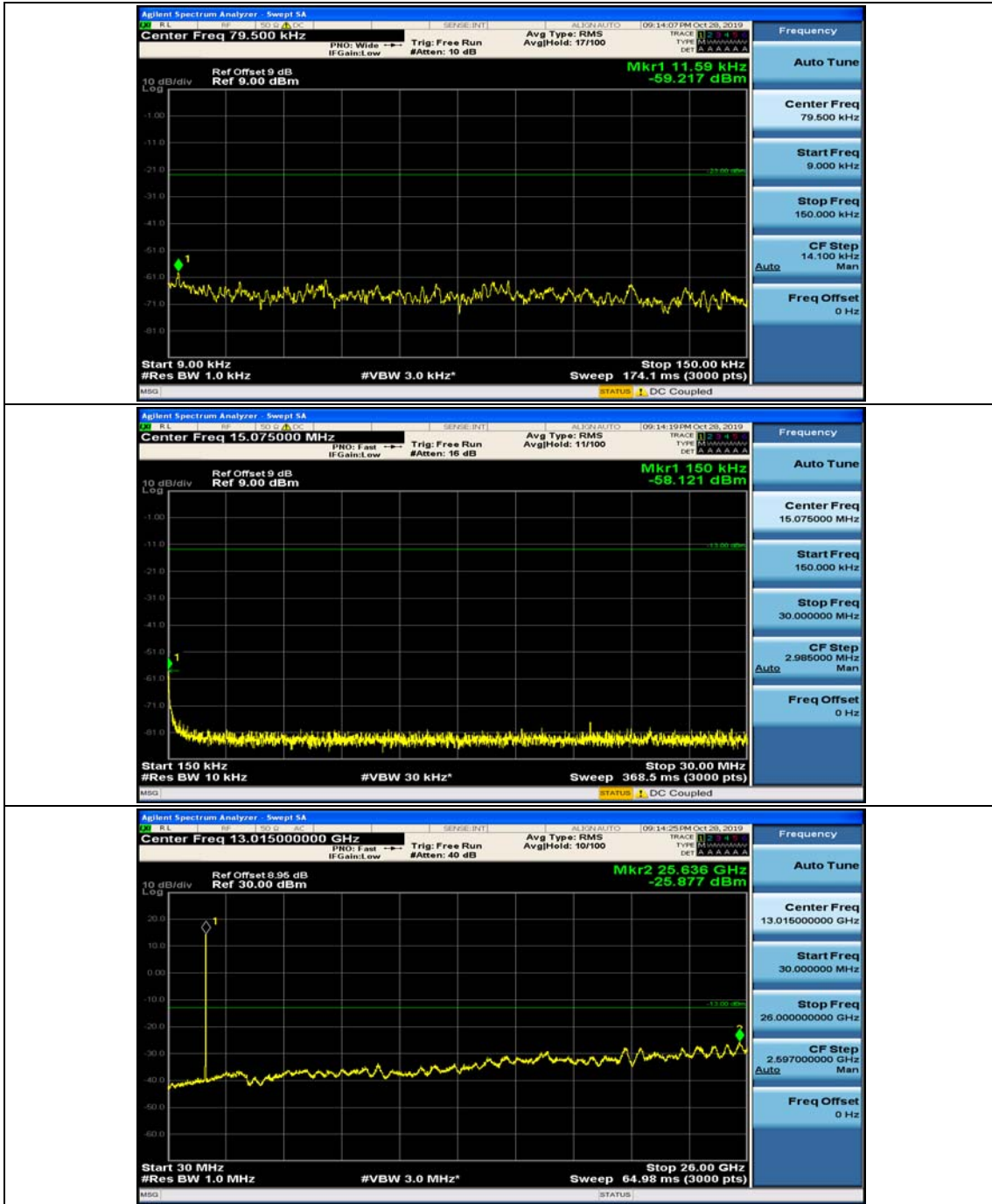


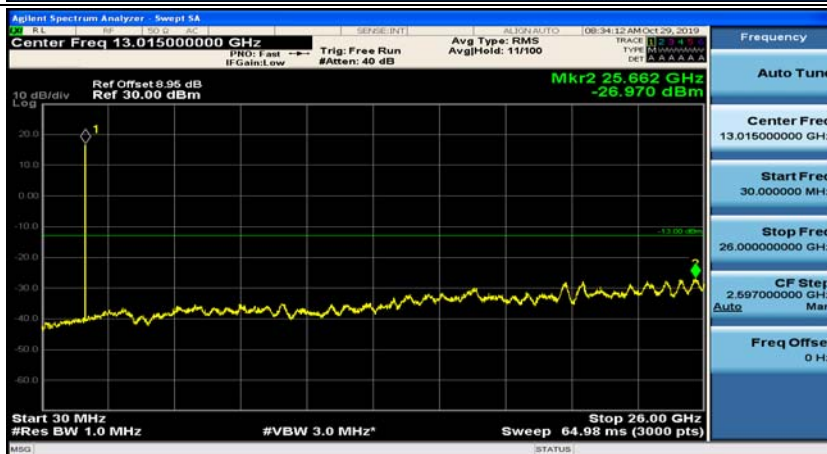
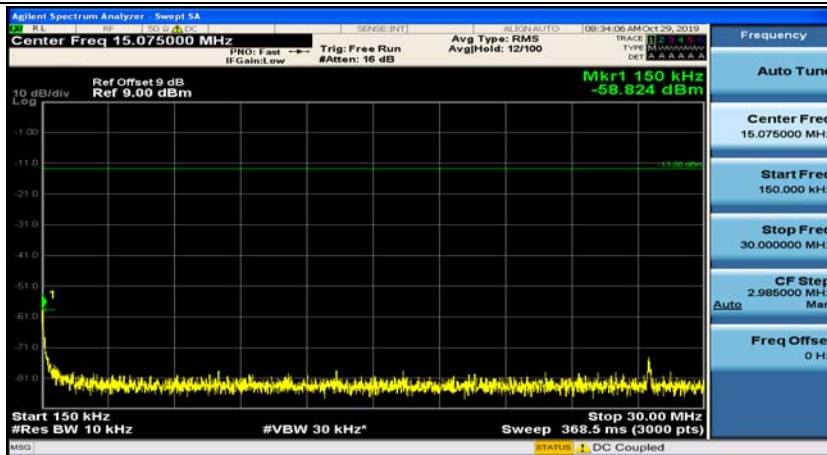
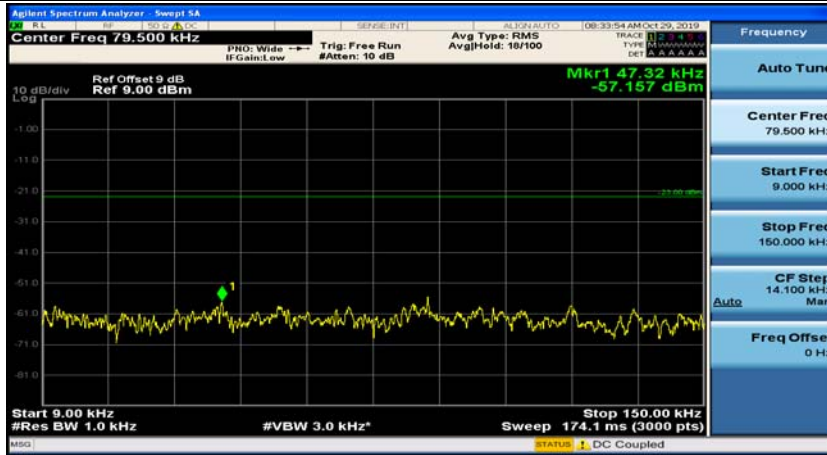
Channel Bandwidth: 15 MHz



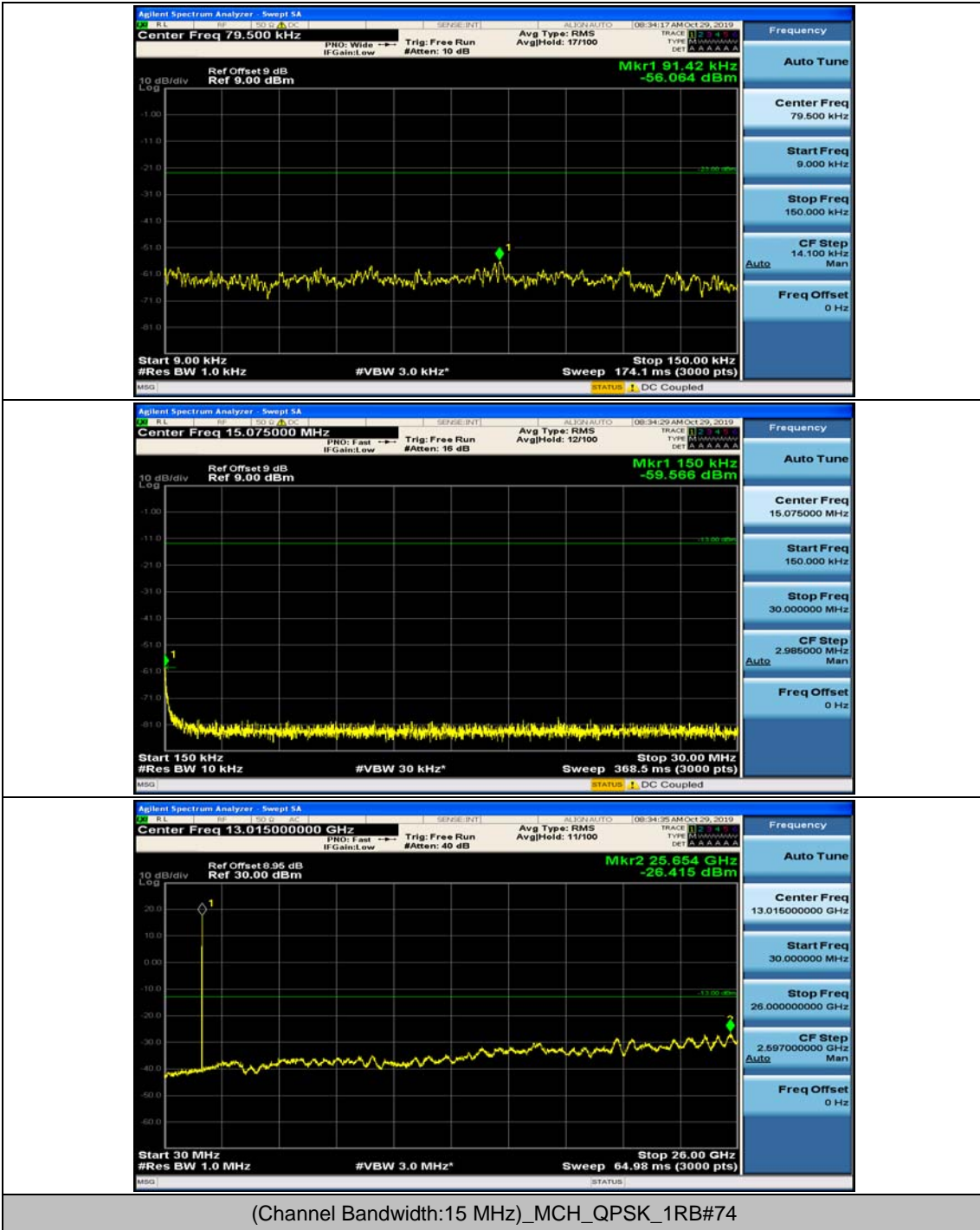


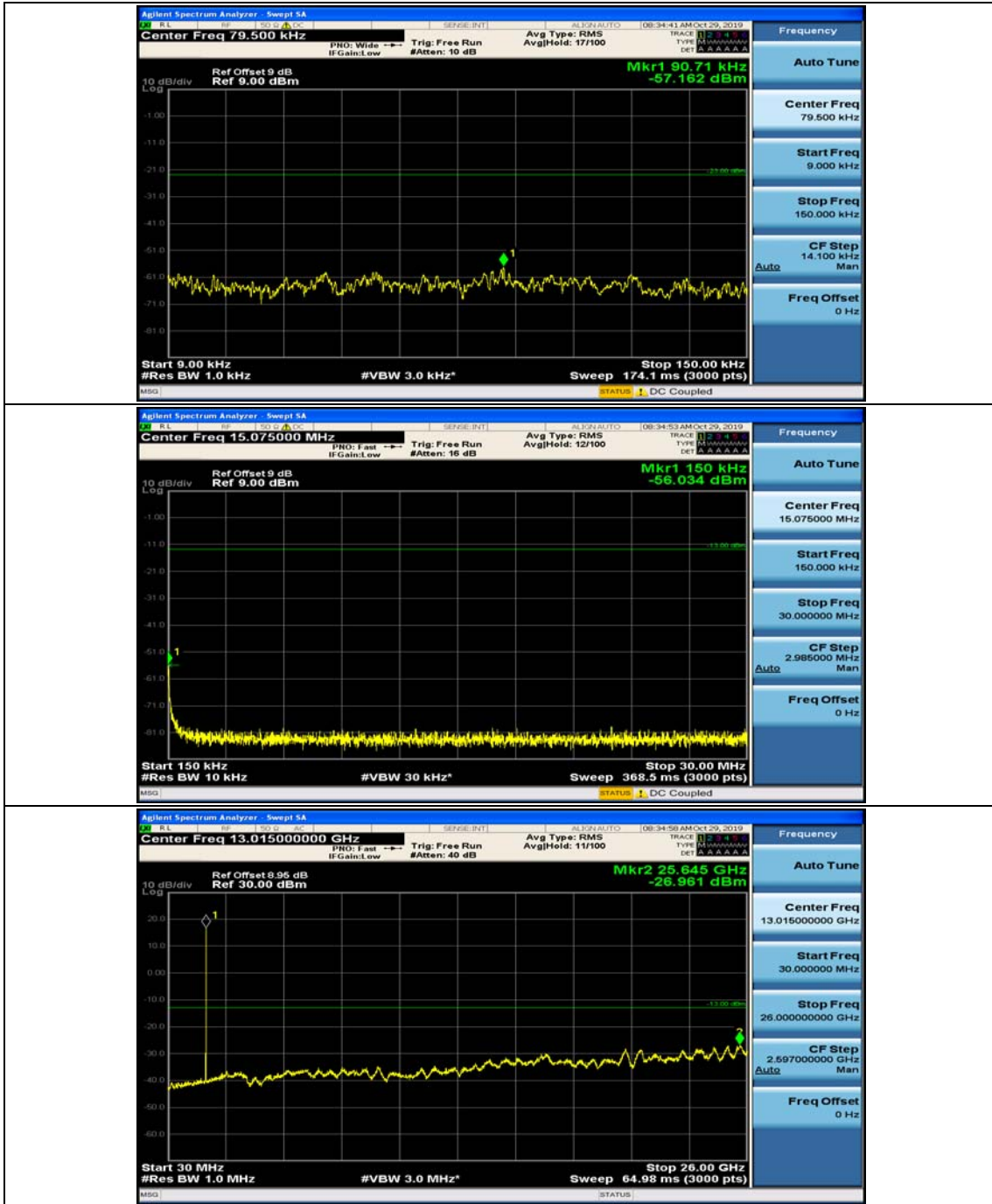


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

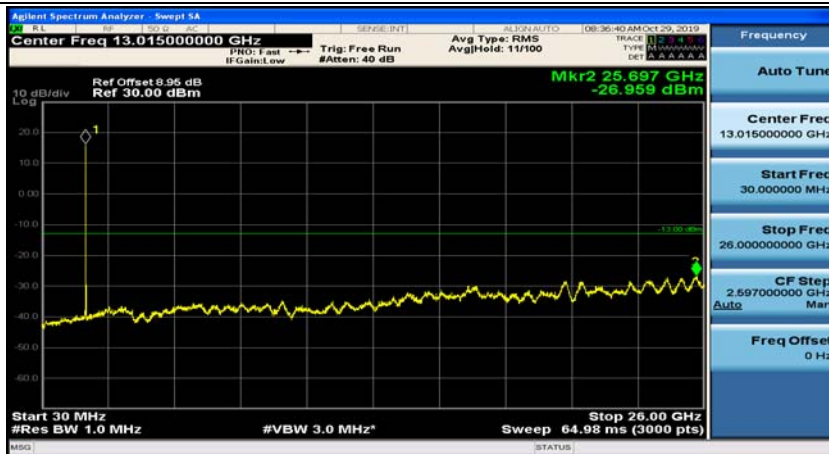
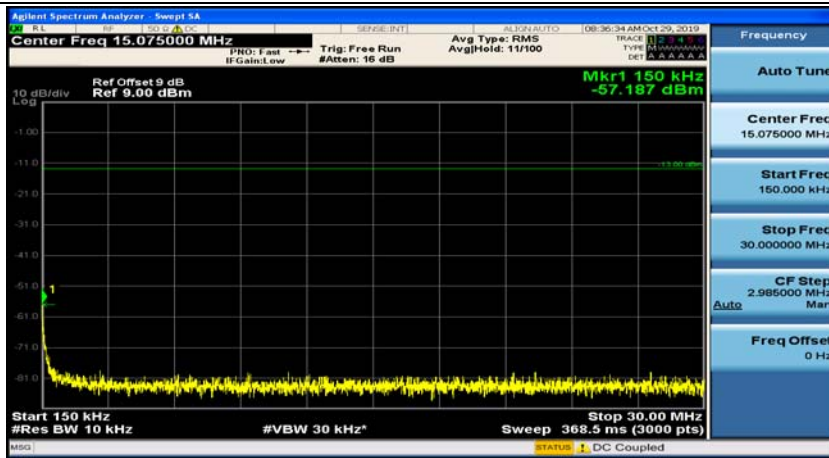


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

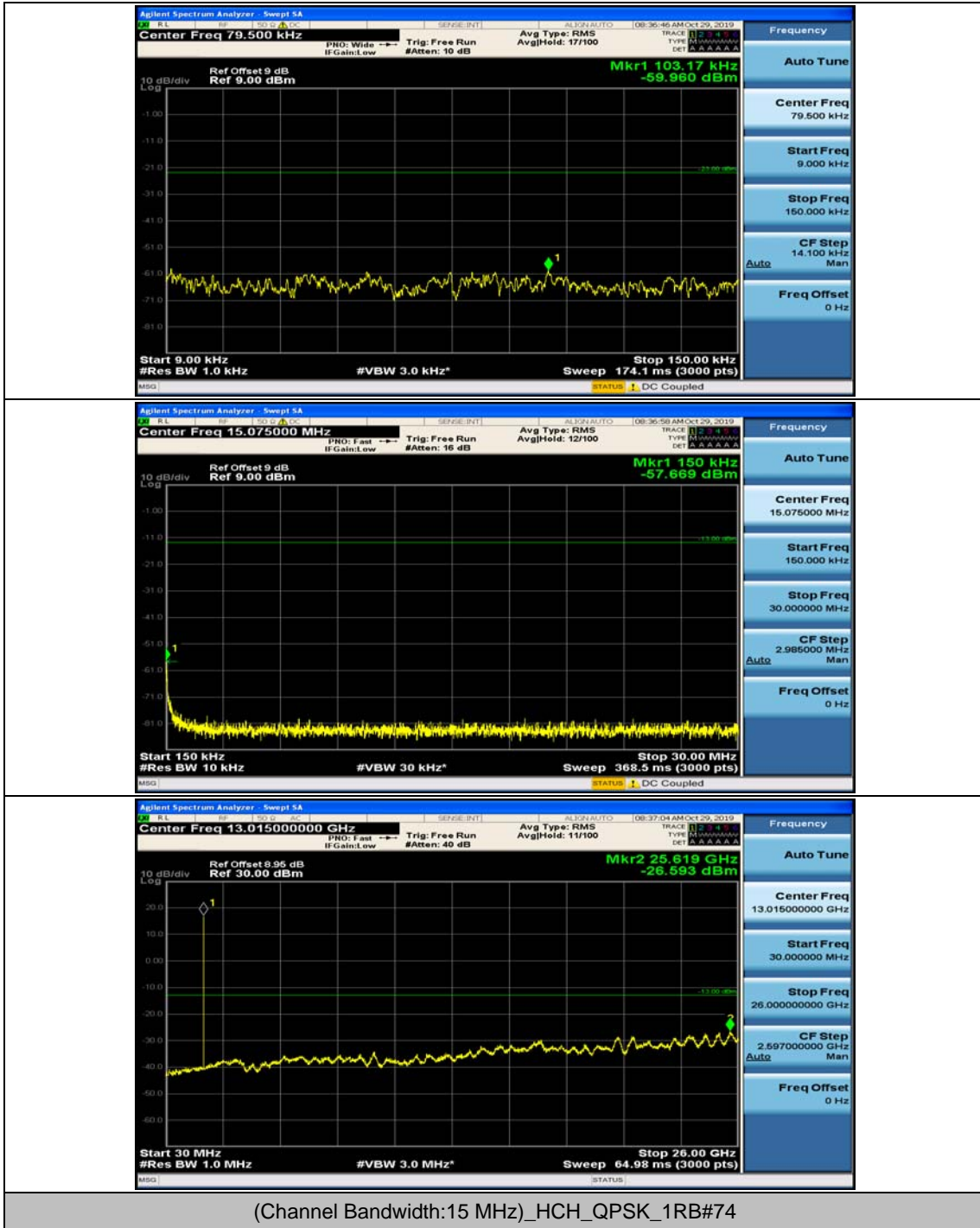


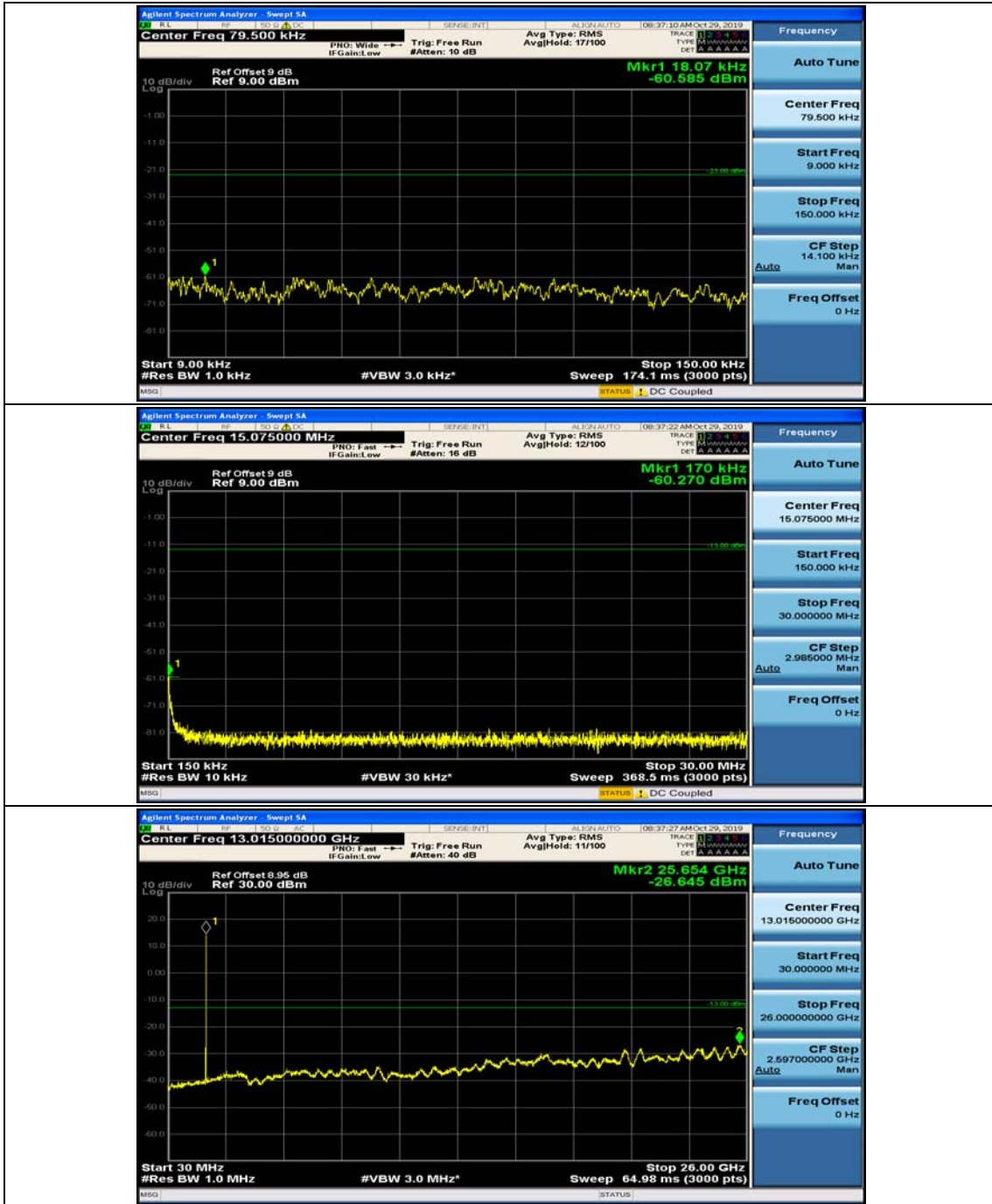


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

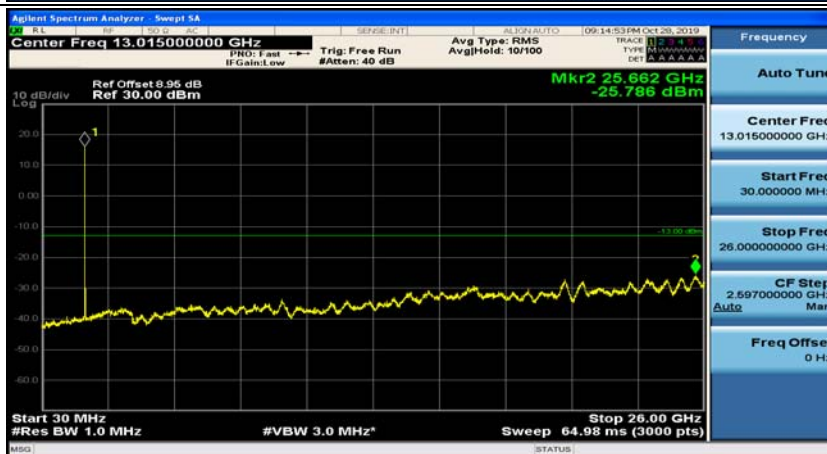
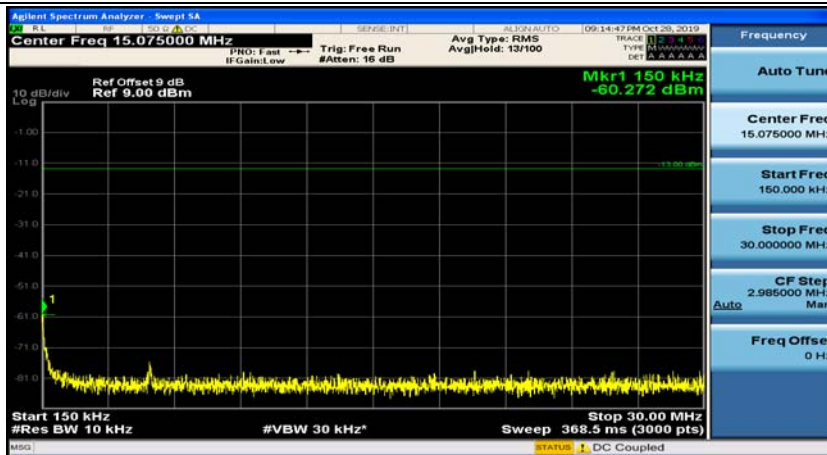
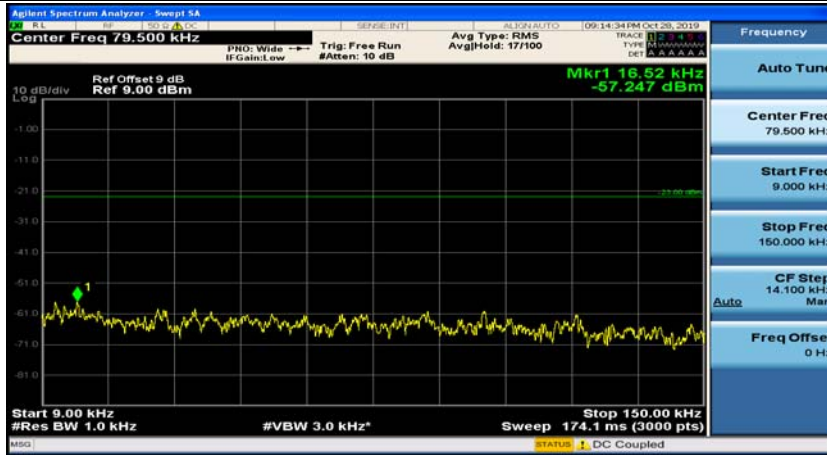


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

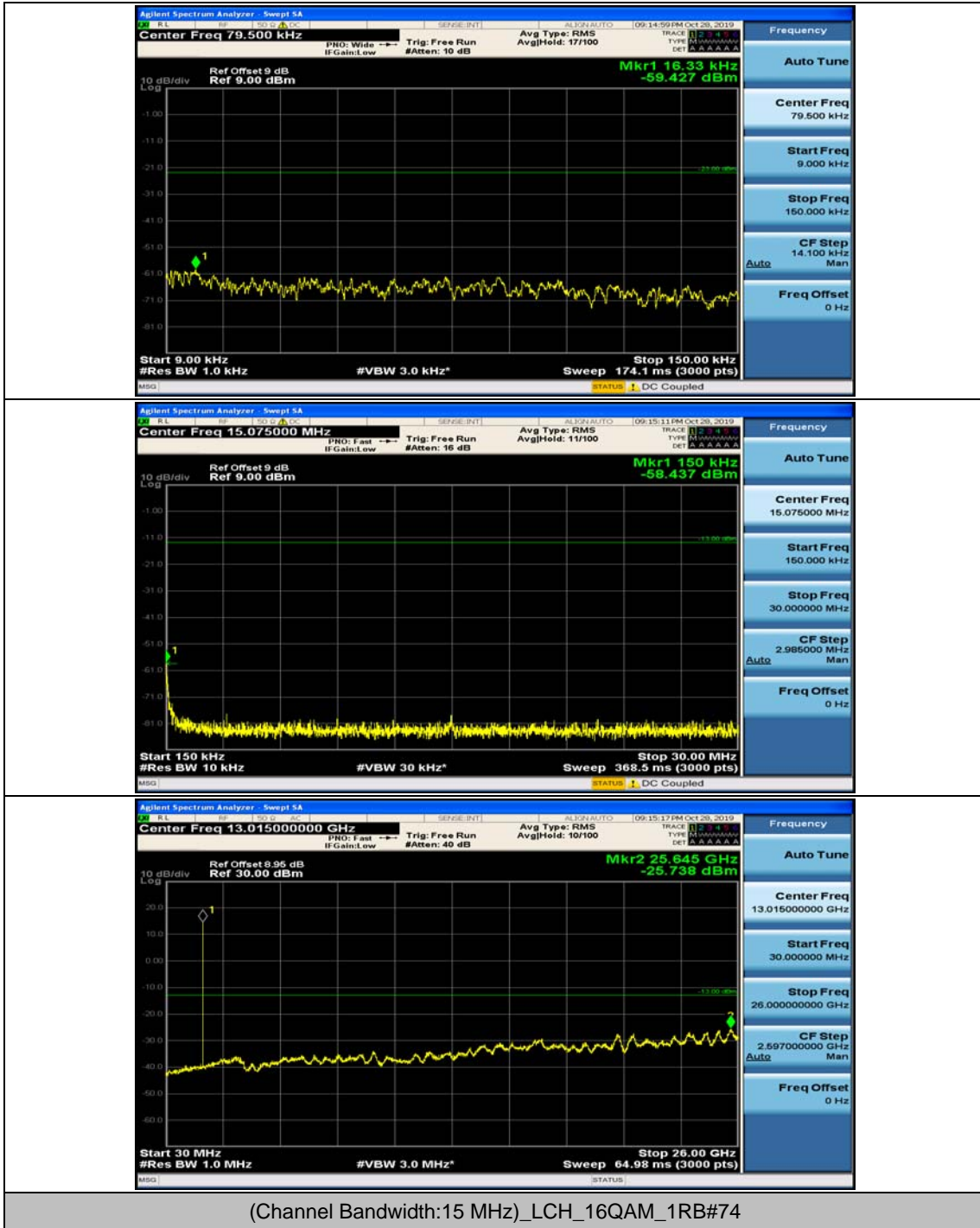


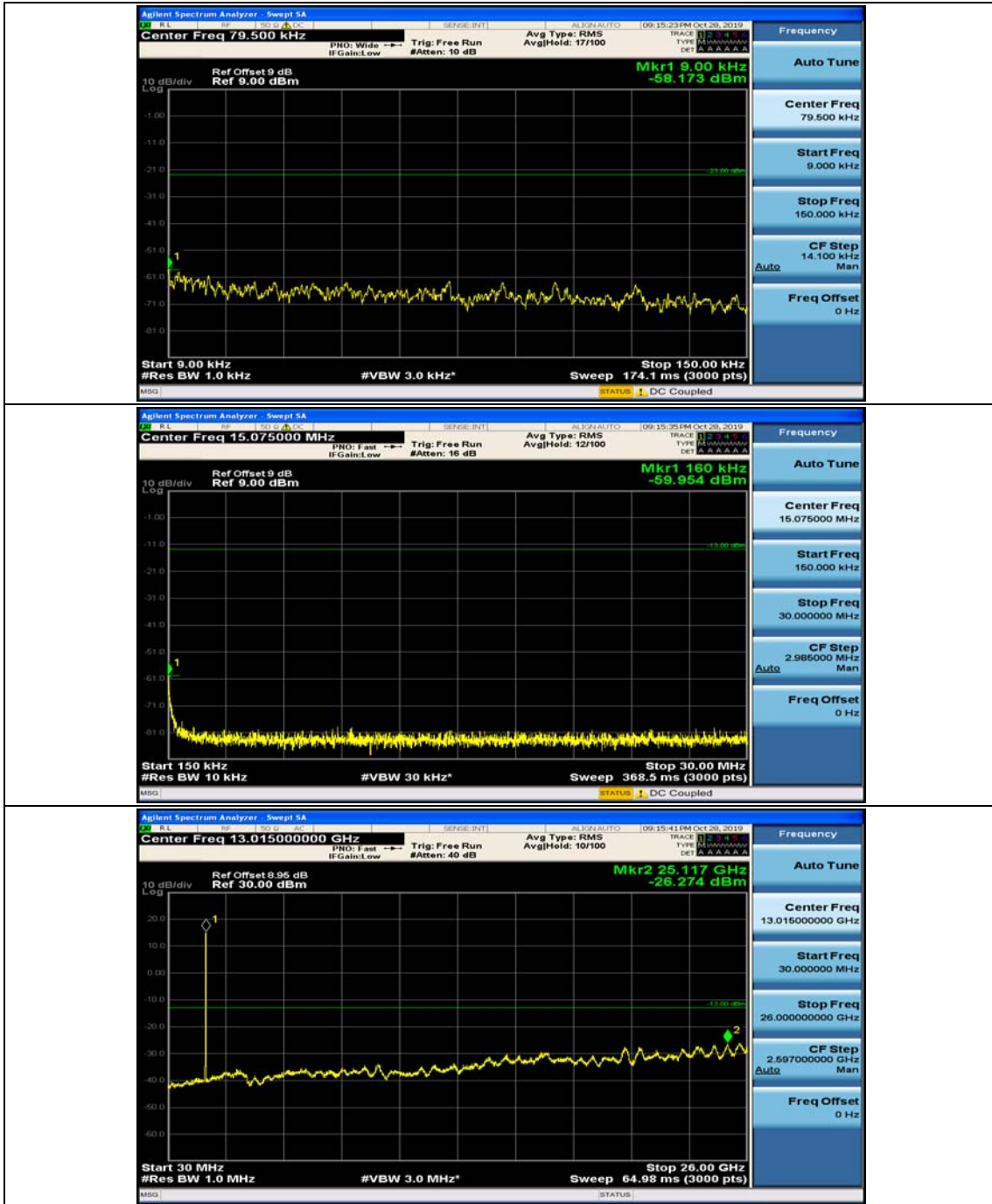


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

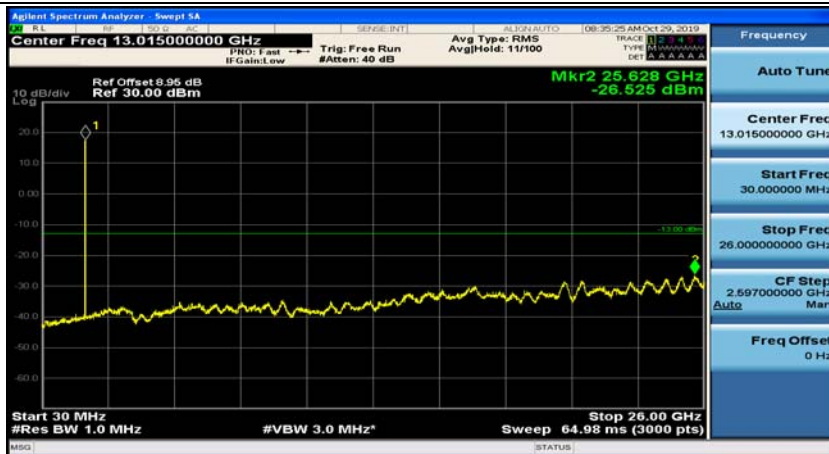
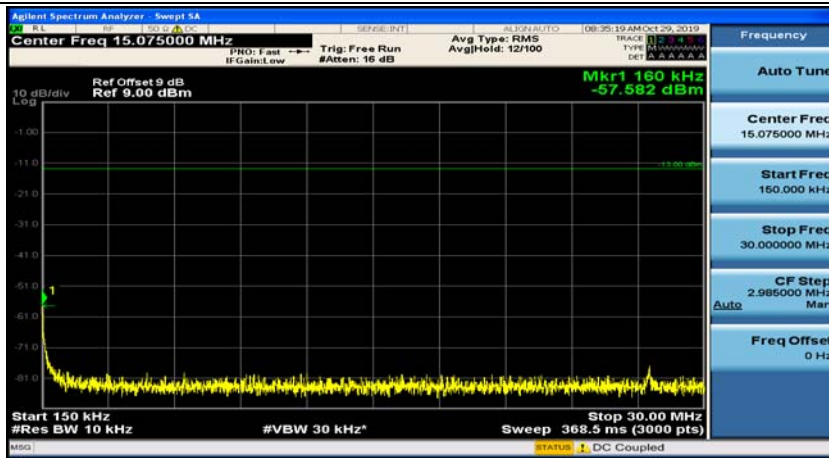
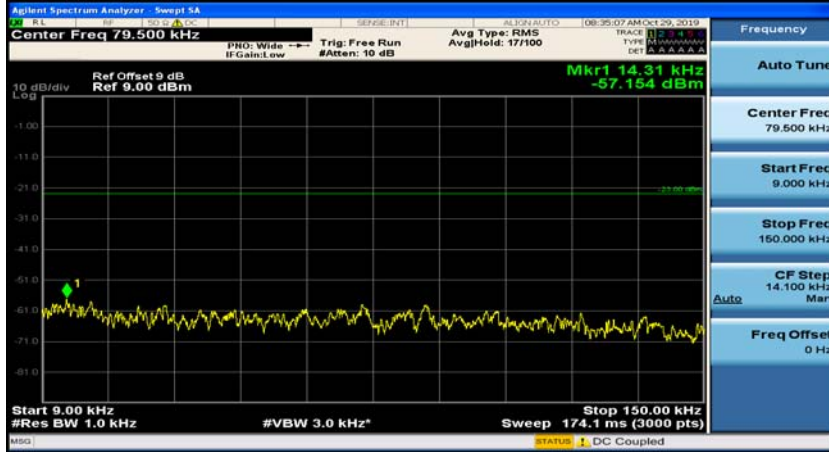


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

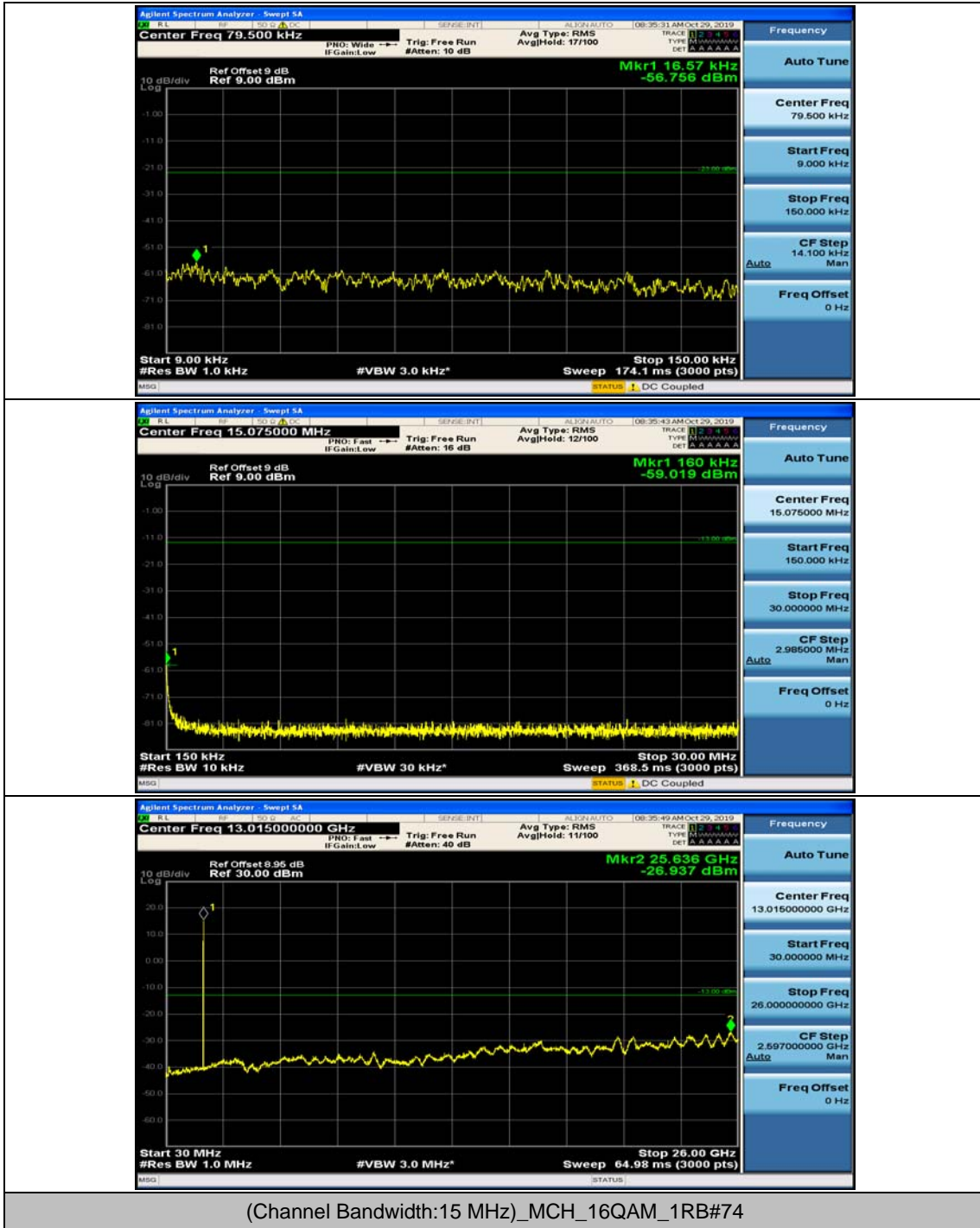


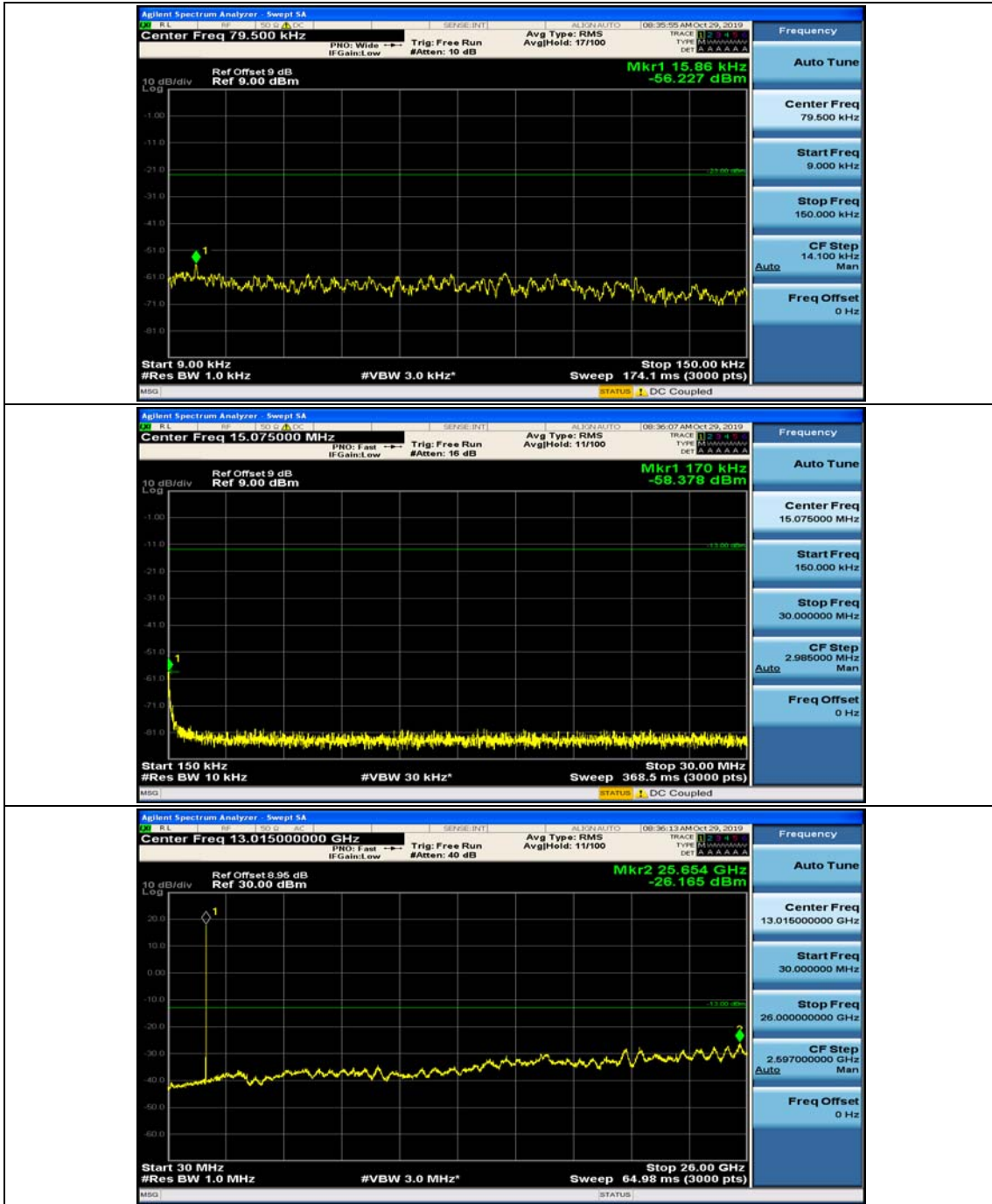


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

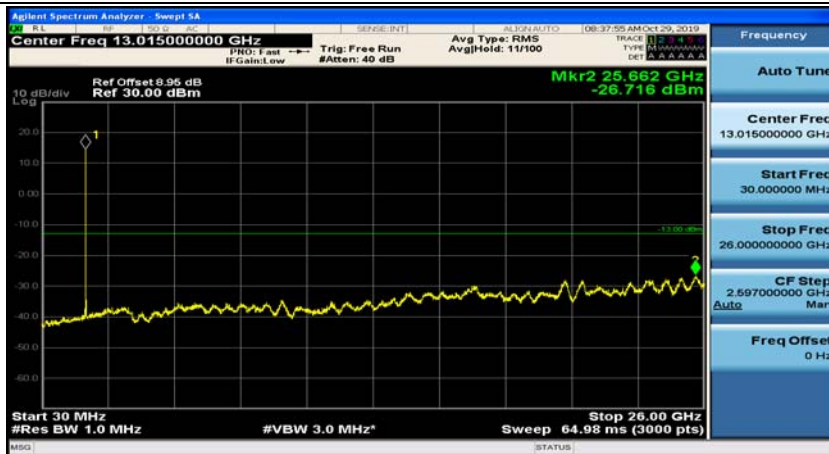
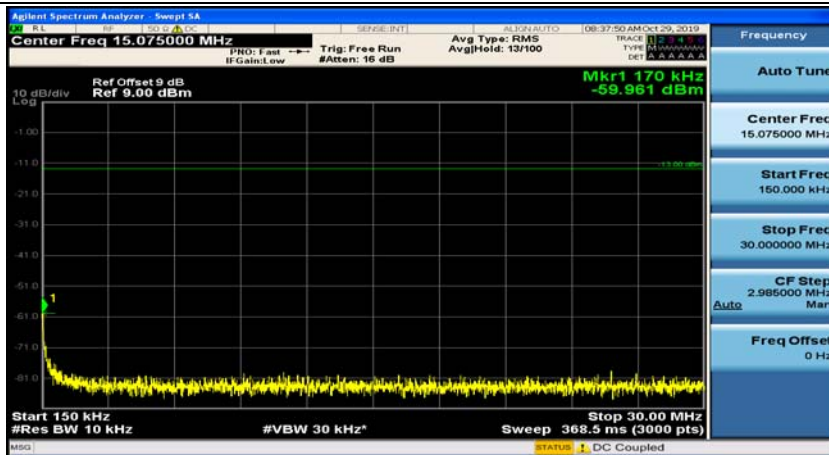


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

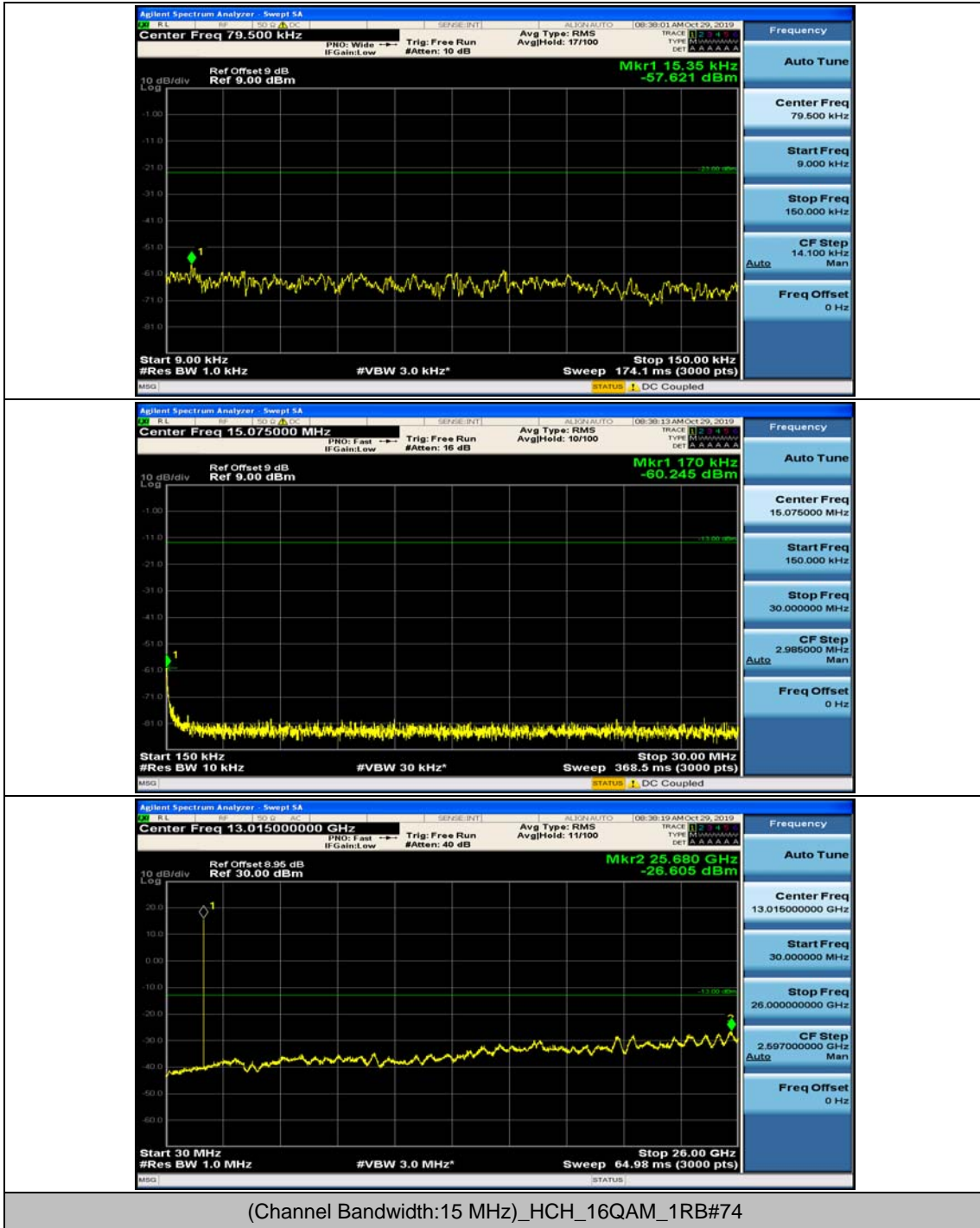


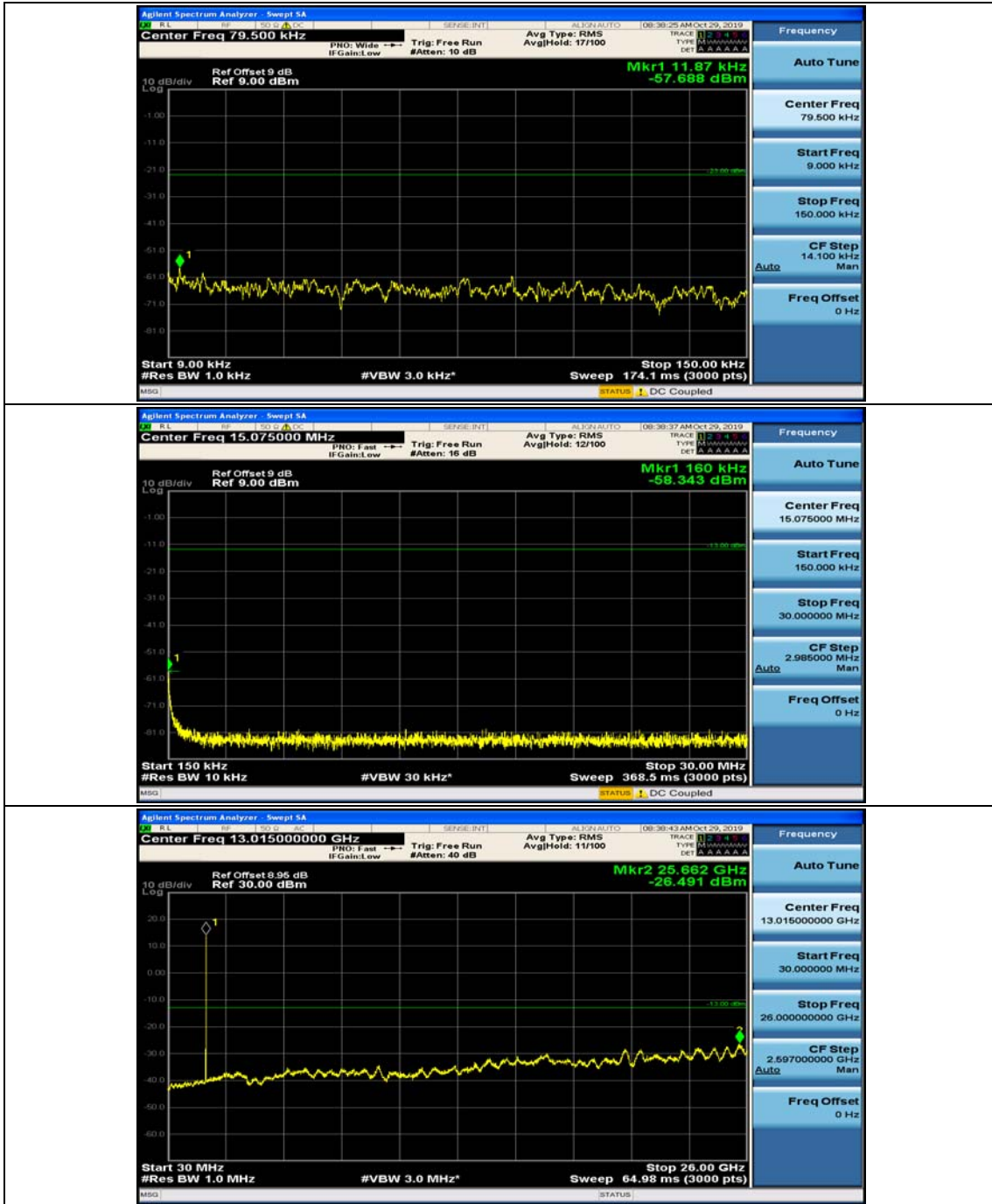


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

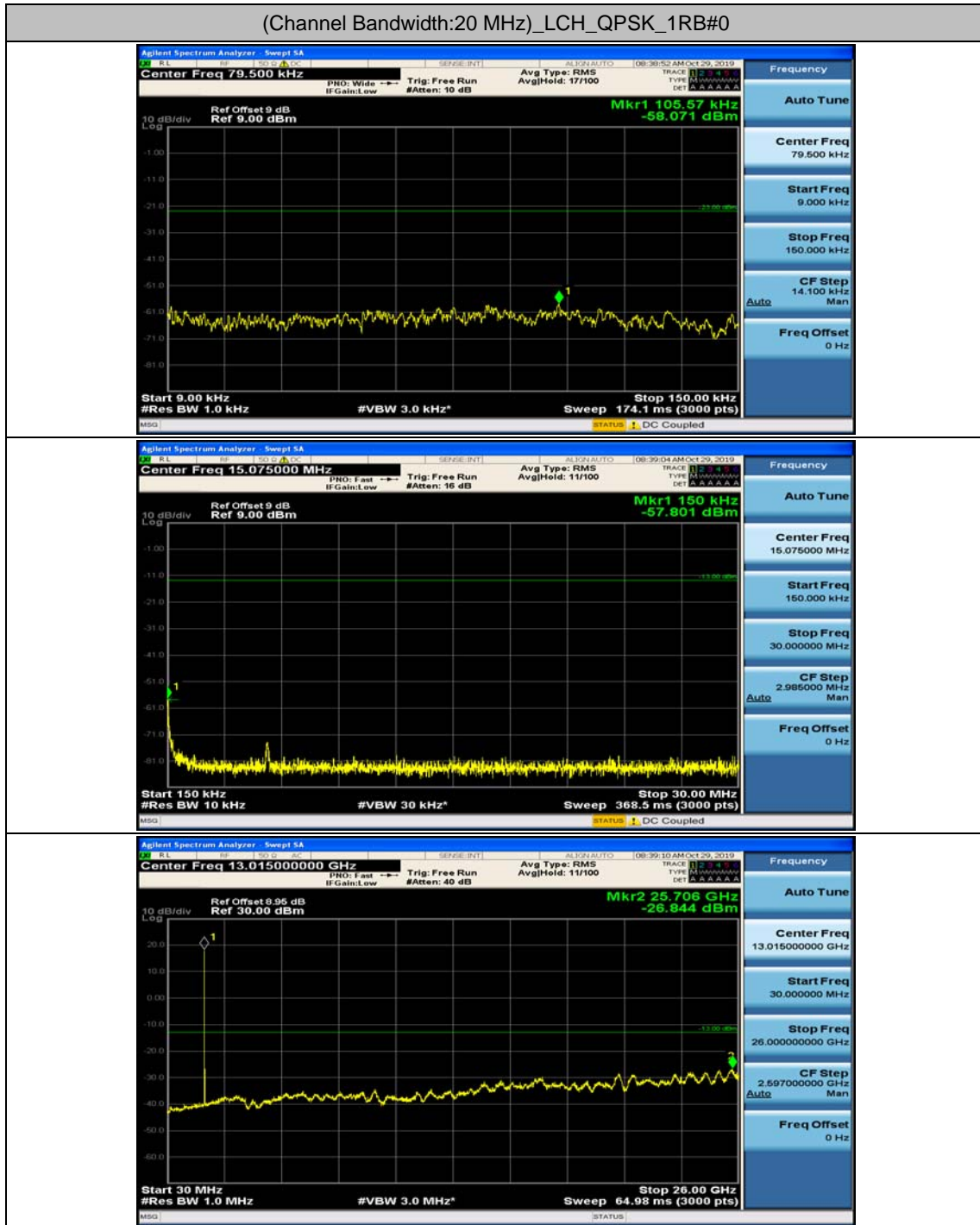


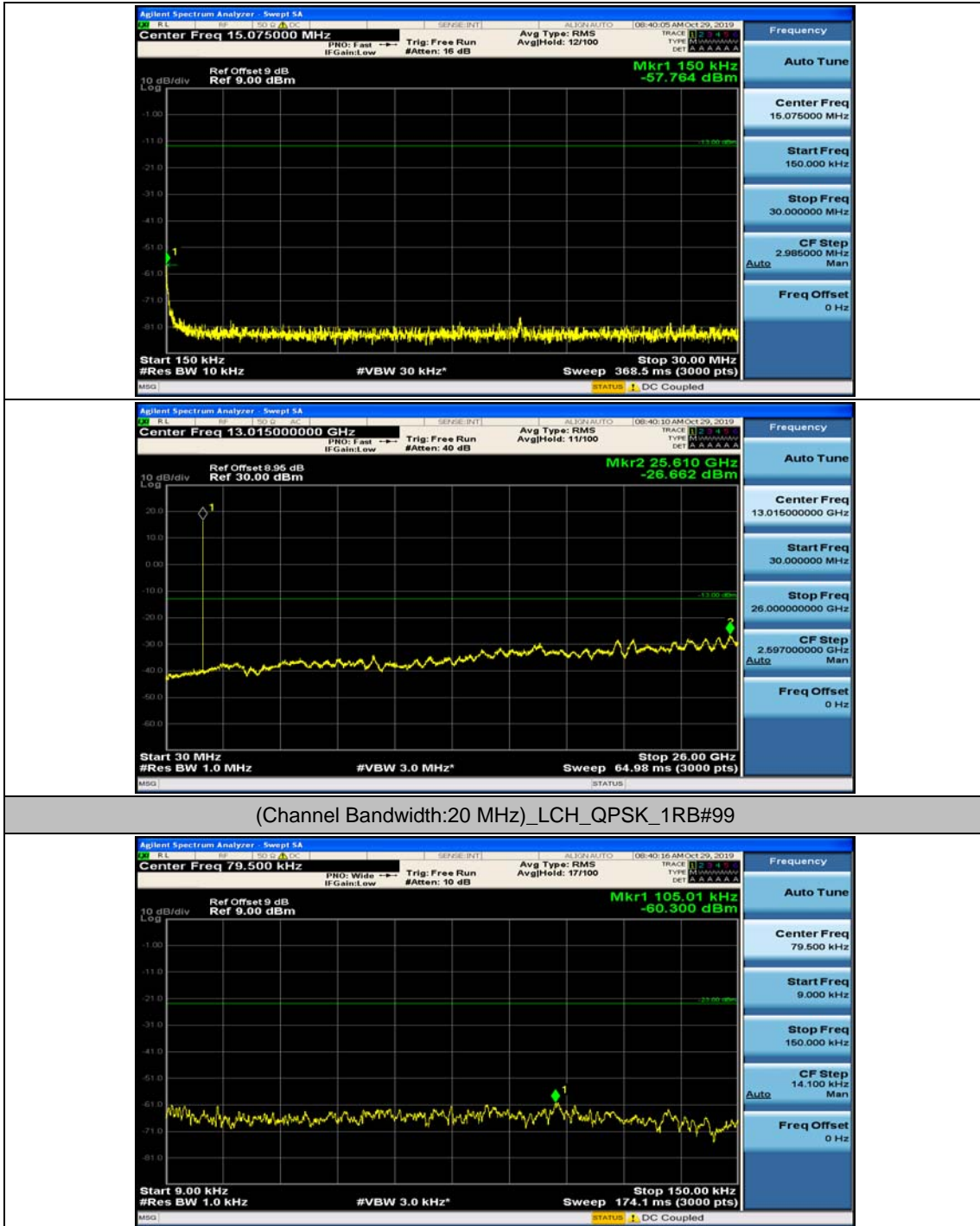
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

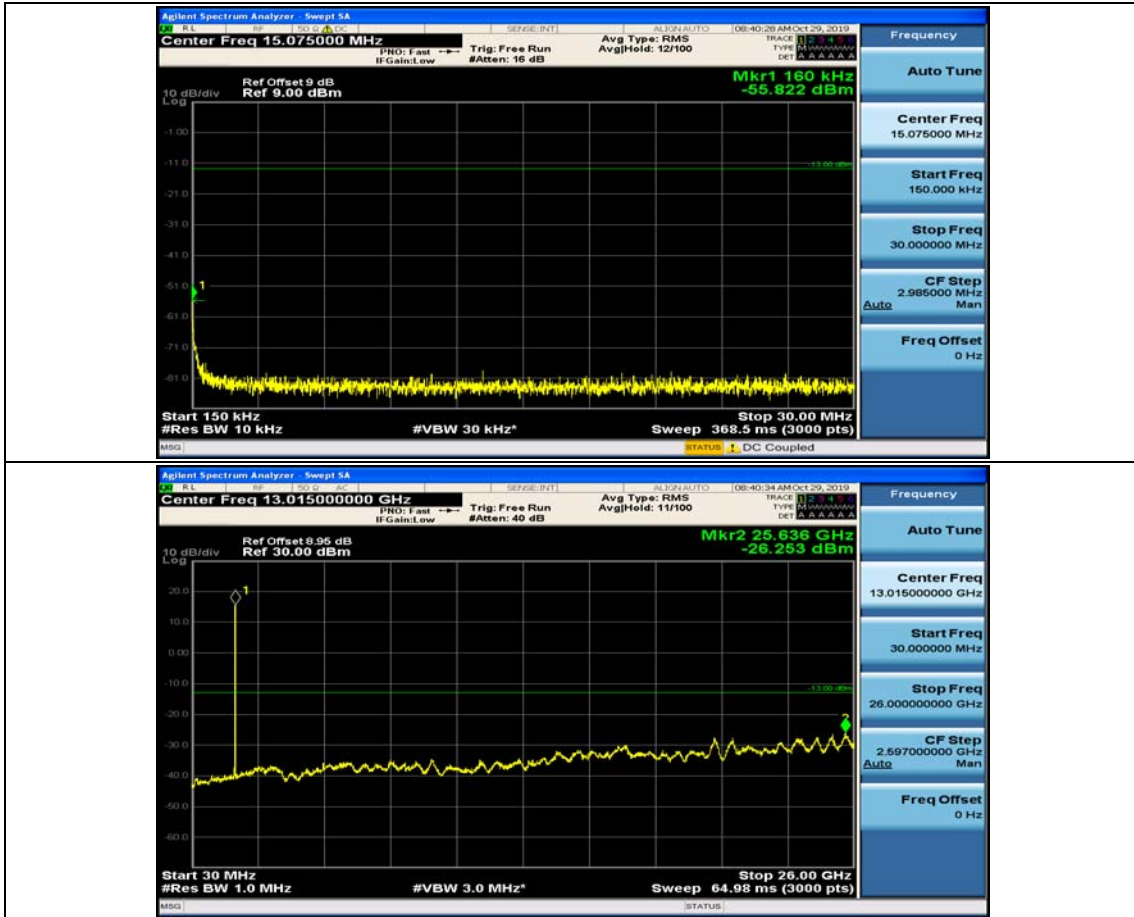




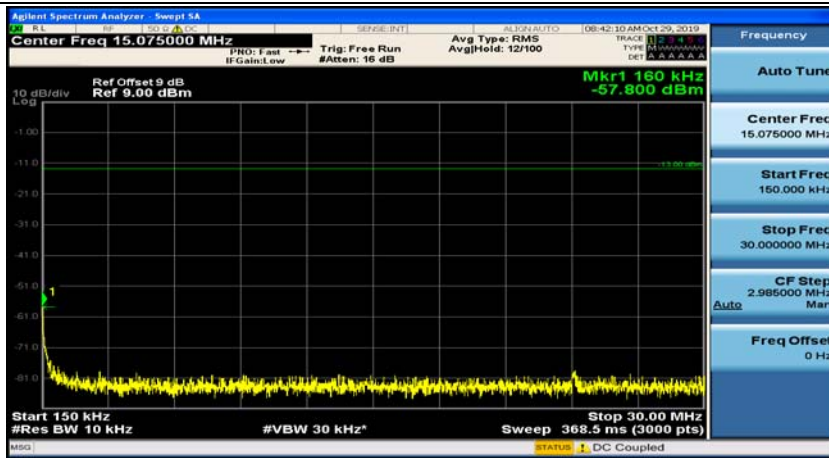
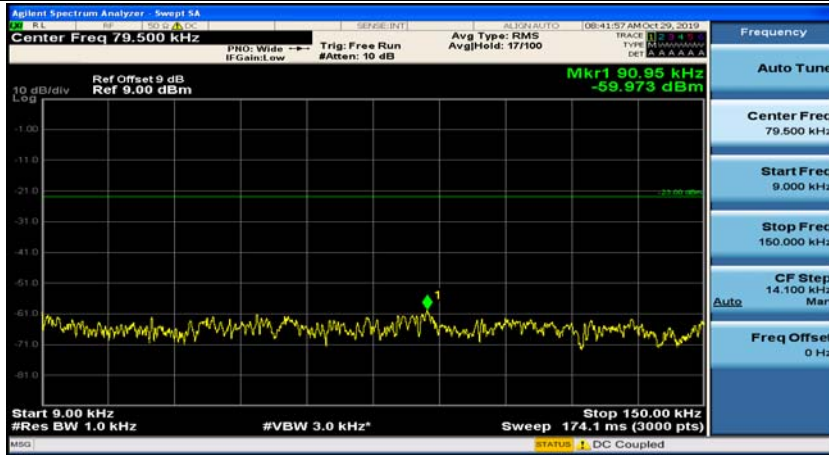
Channel Bandwidth: 20 MHz



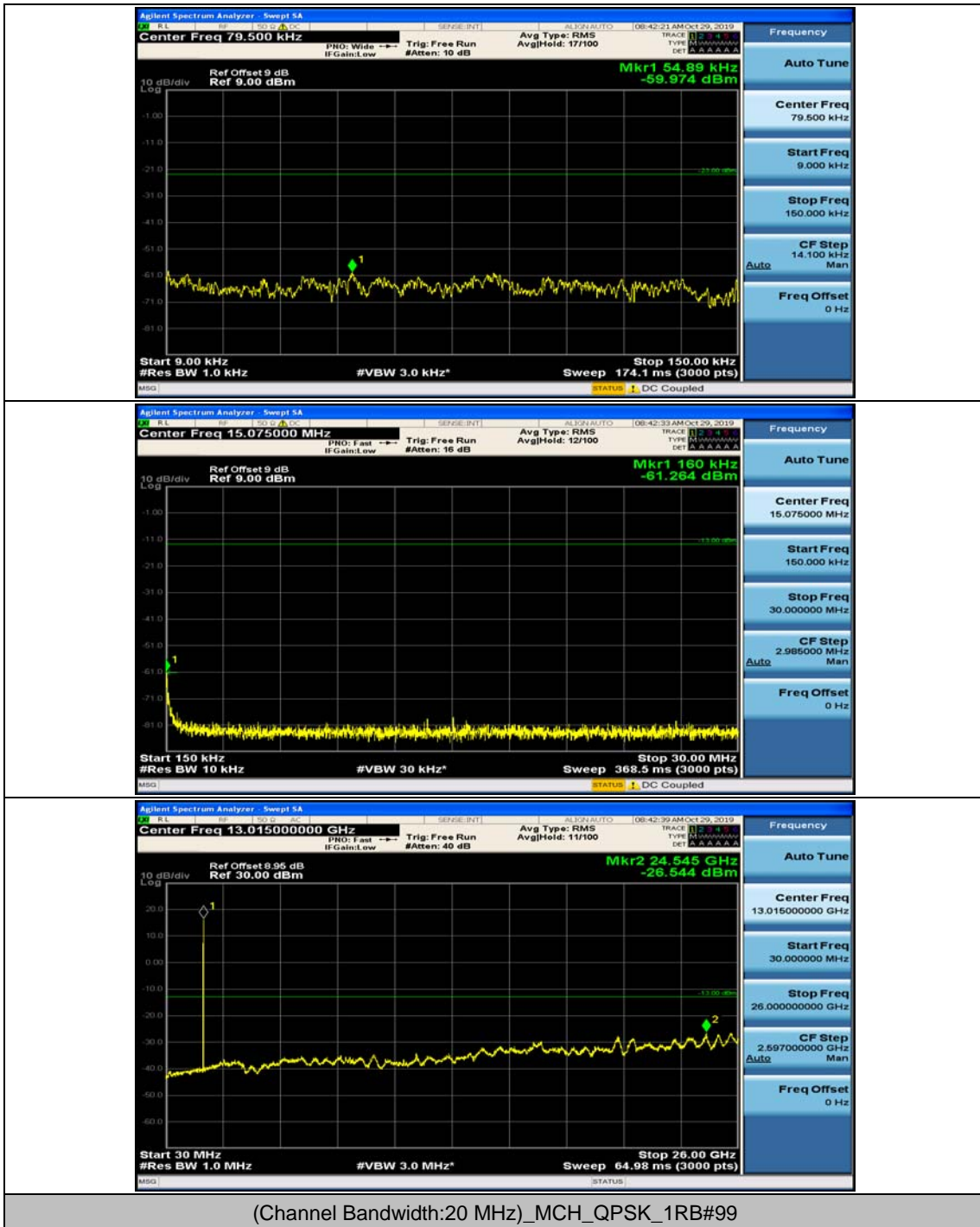


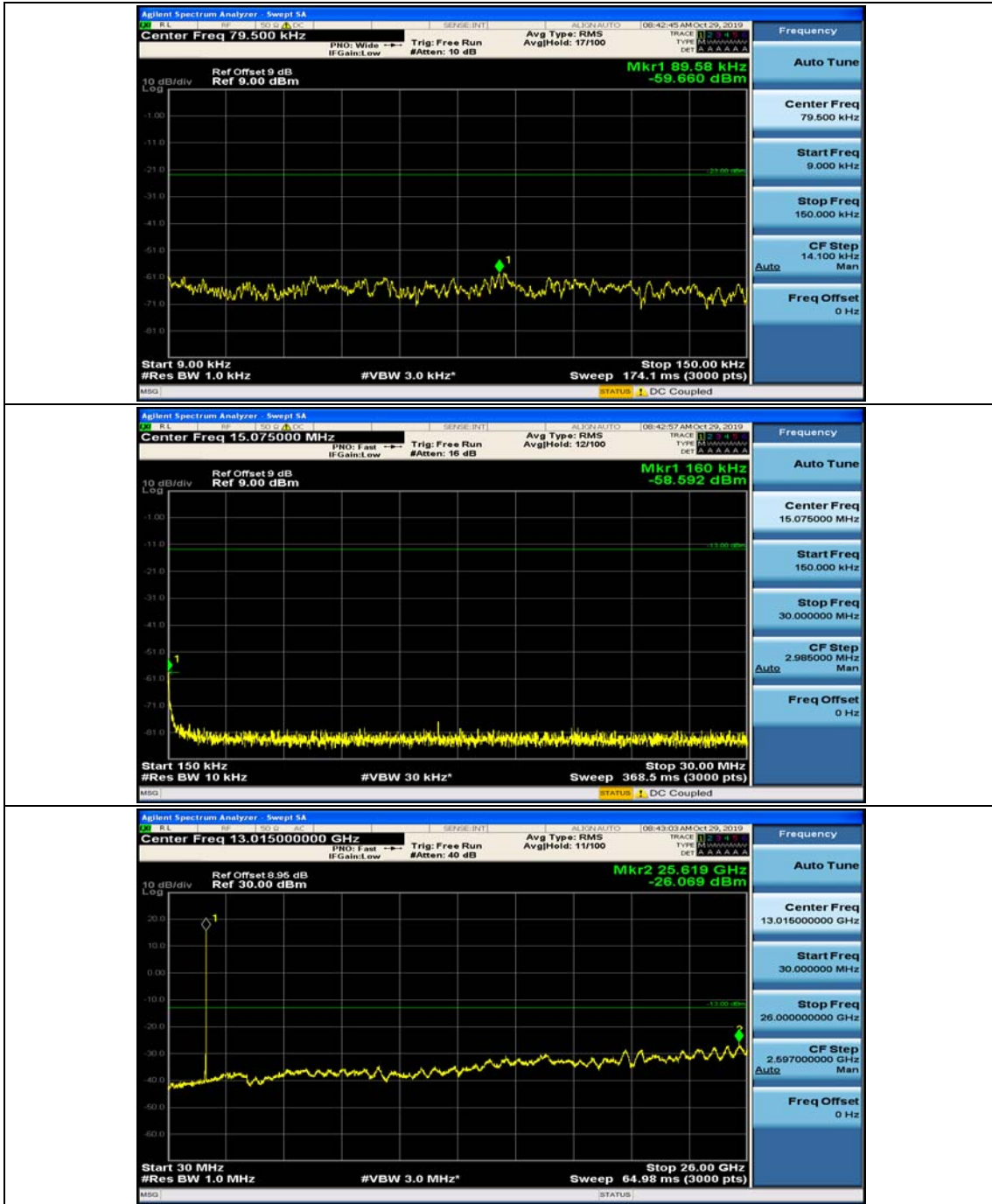


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

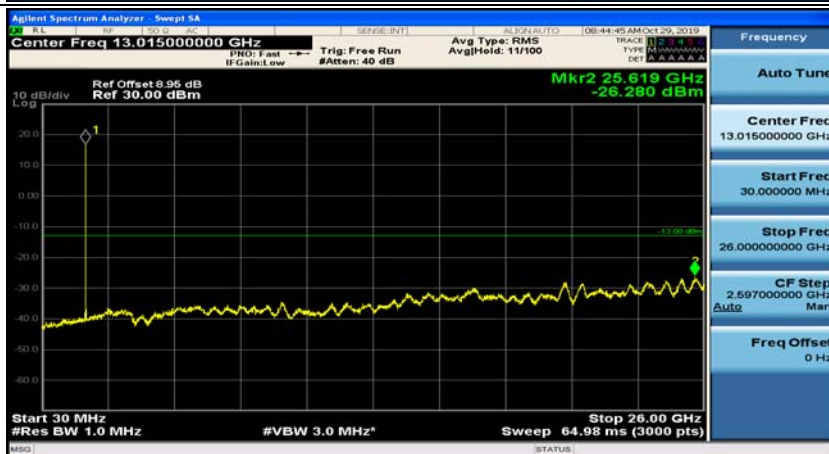
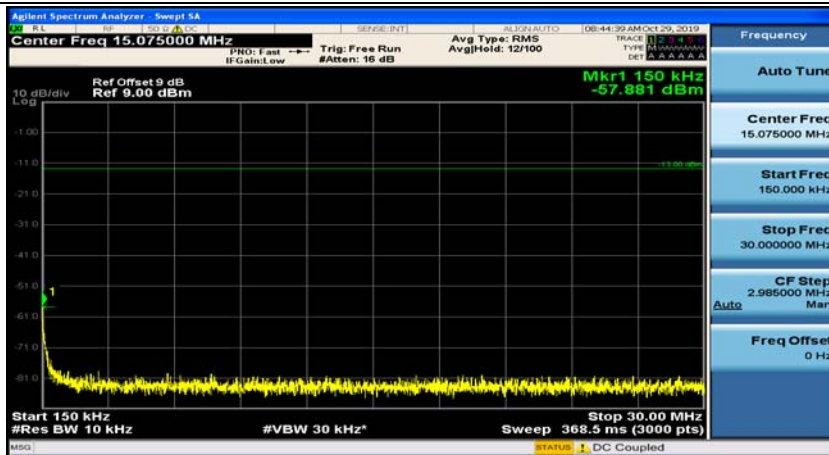
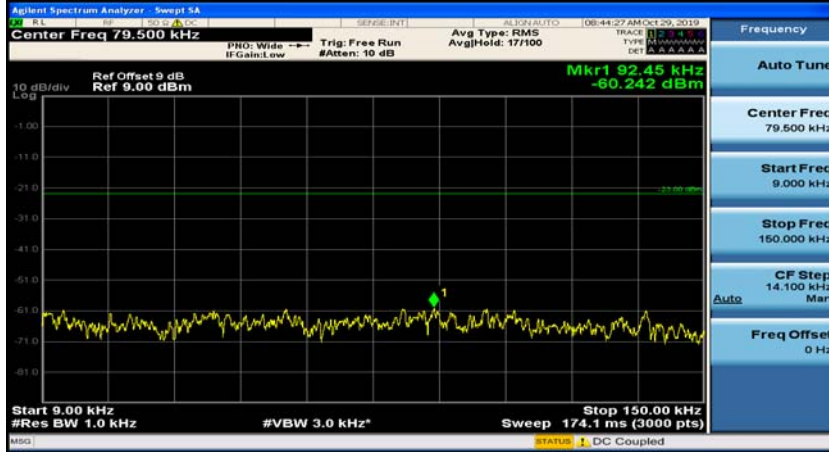


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

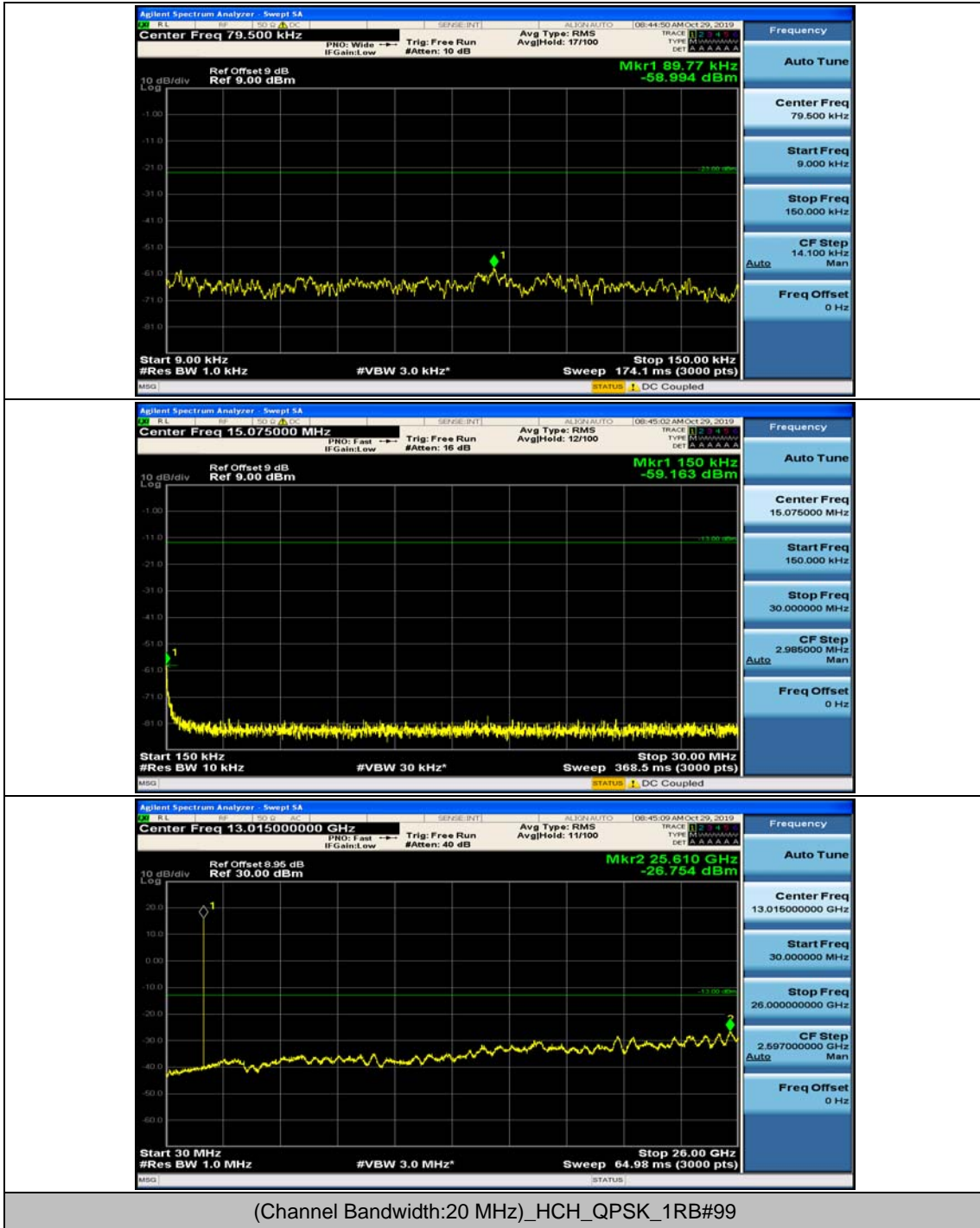


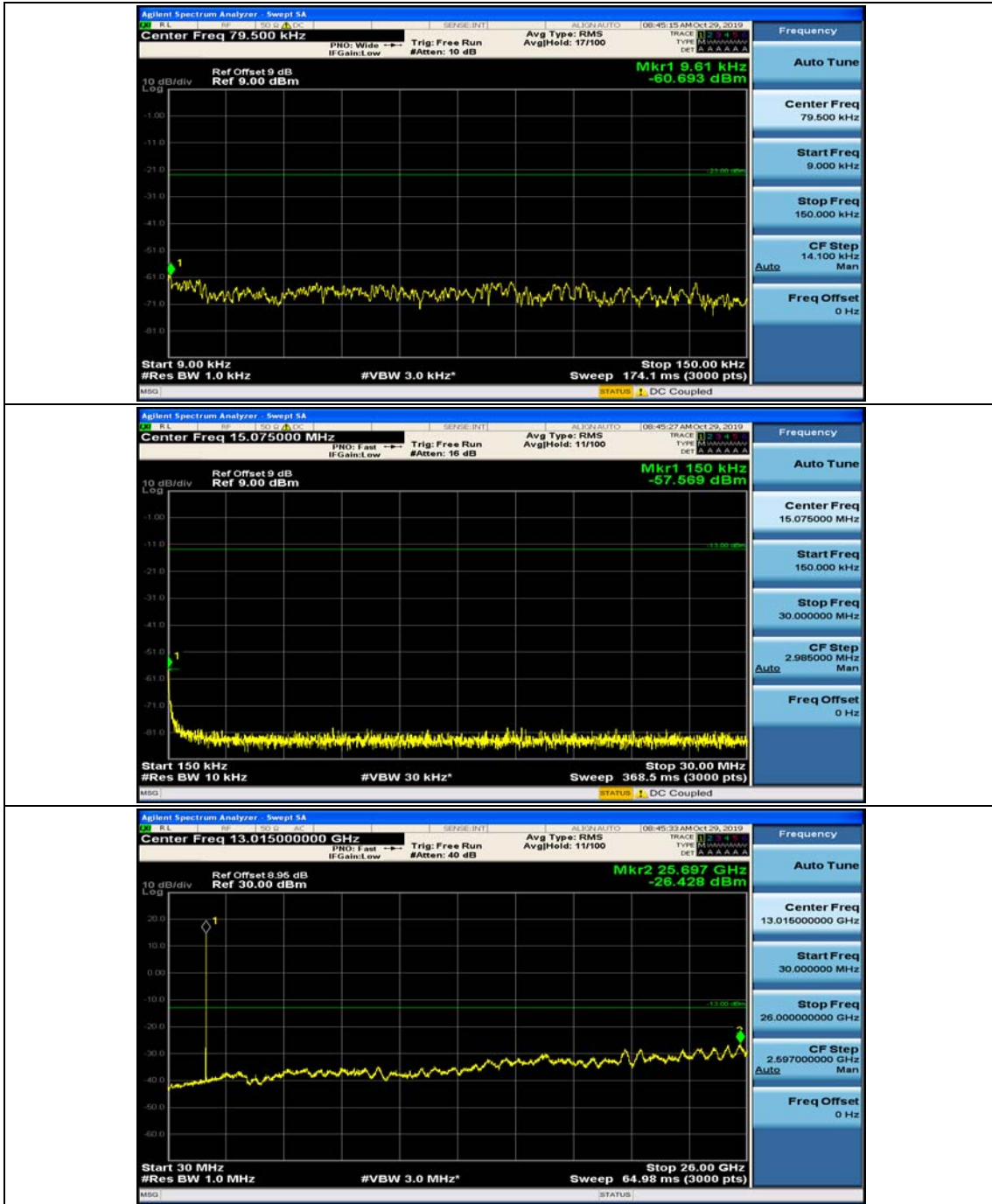


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

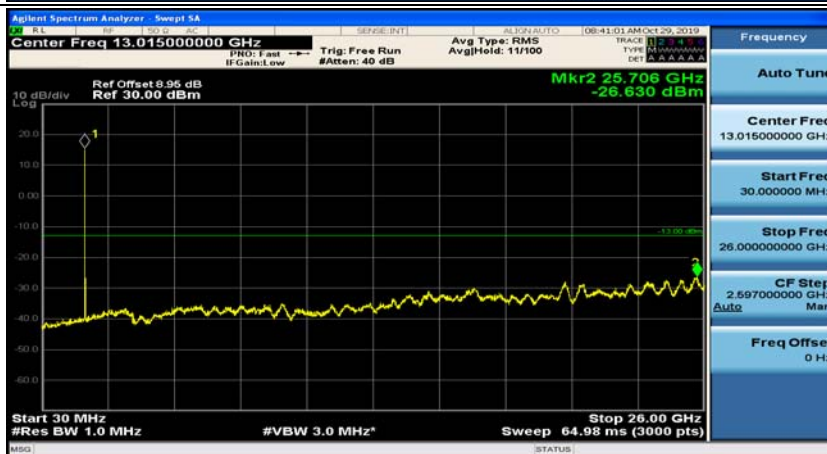
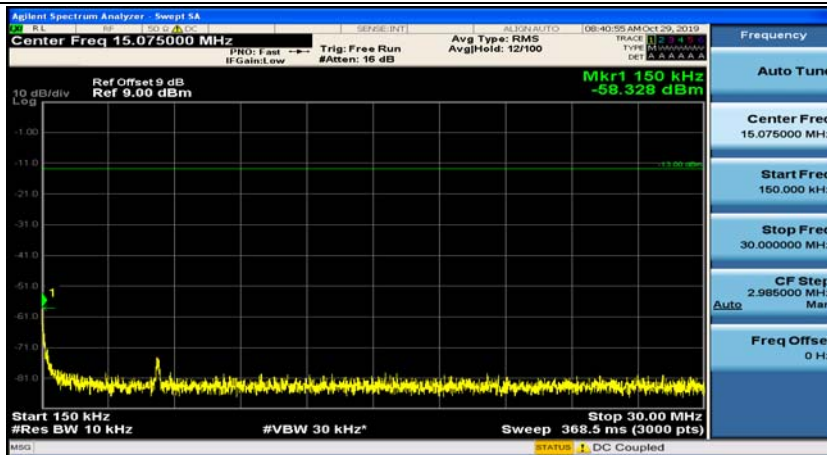
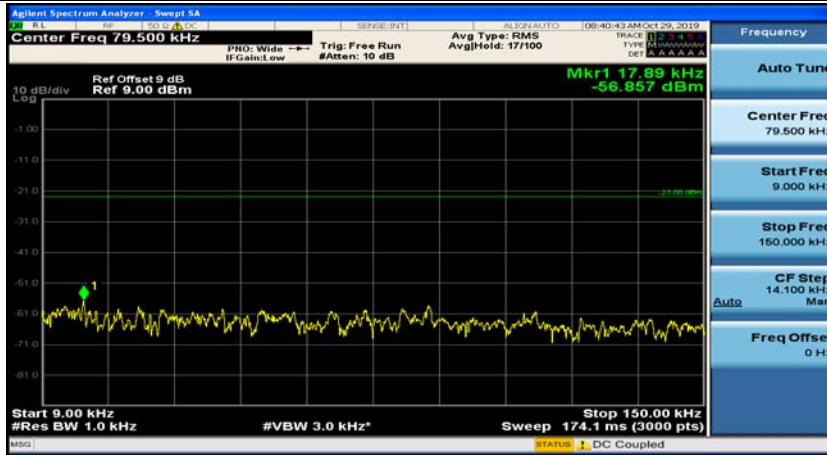


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

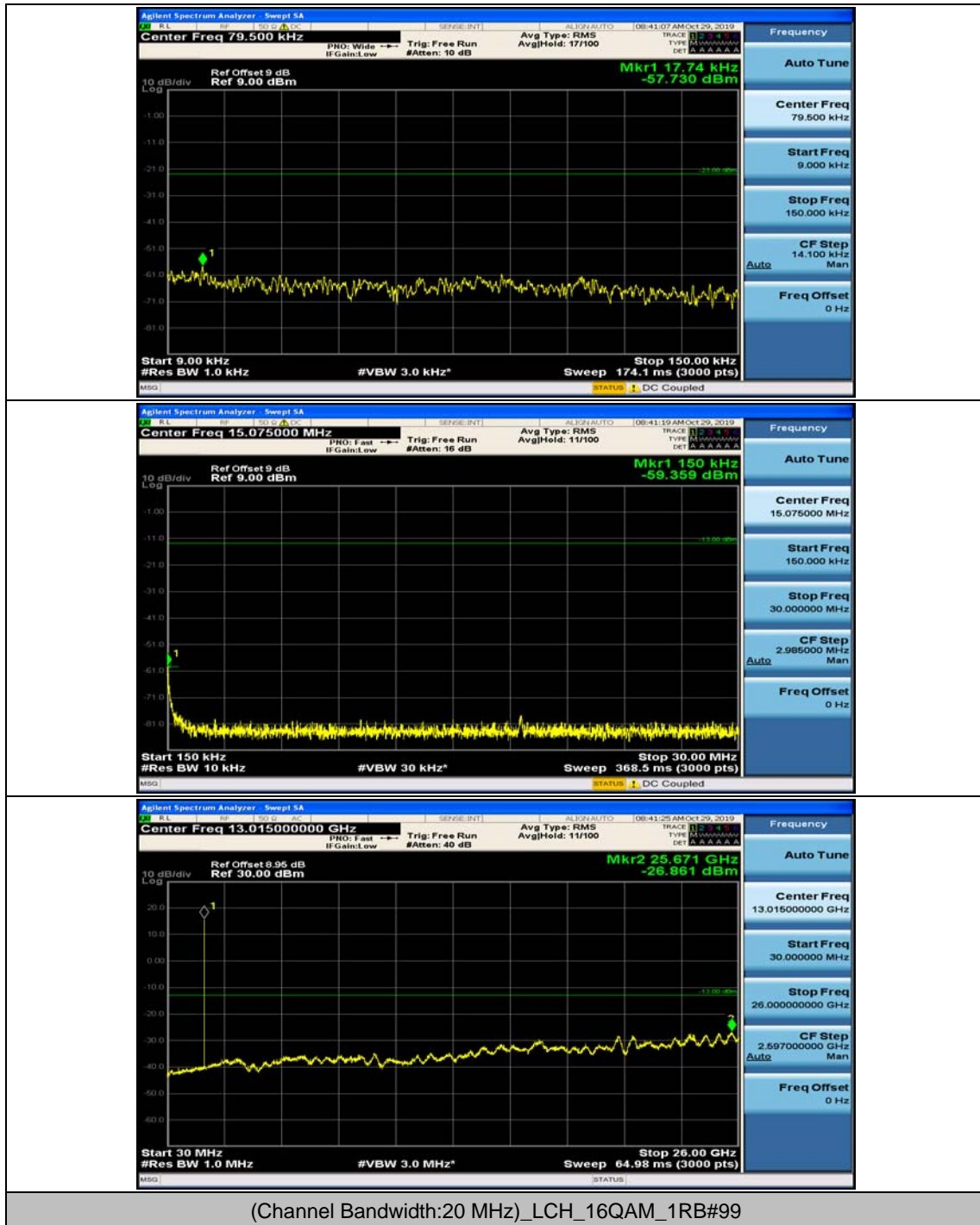


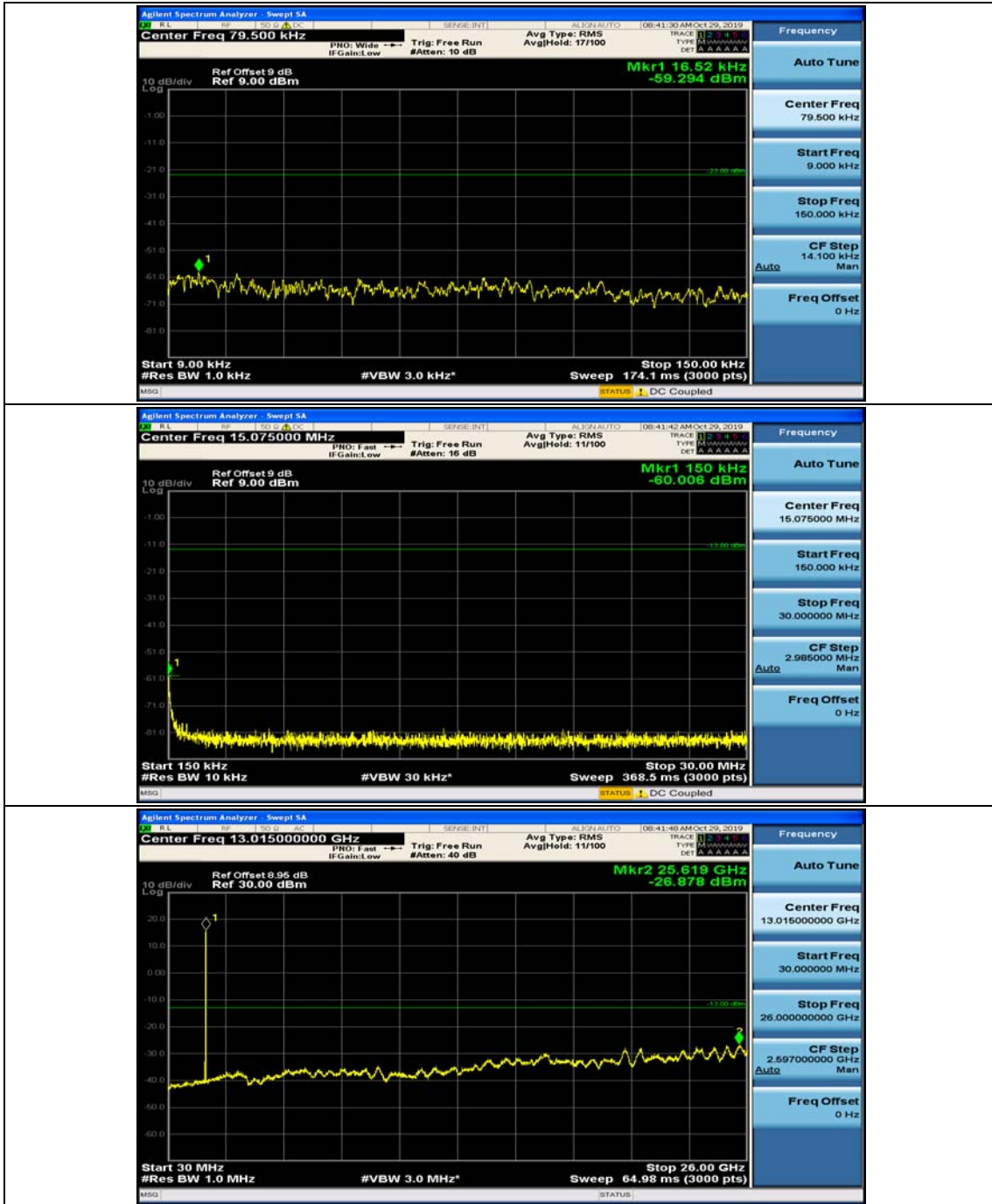


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

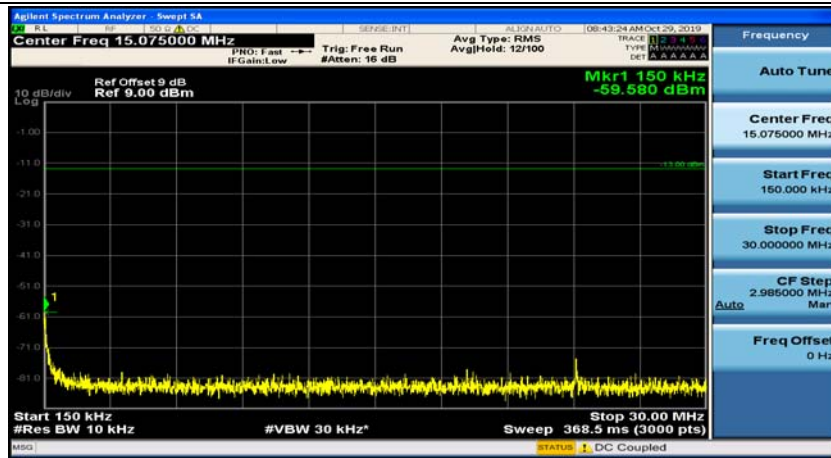
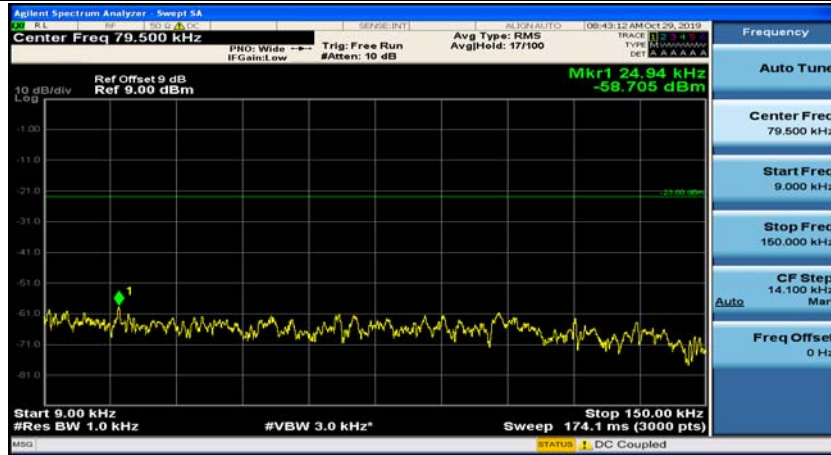


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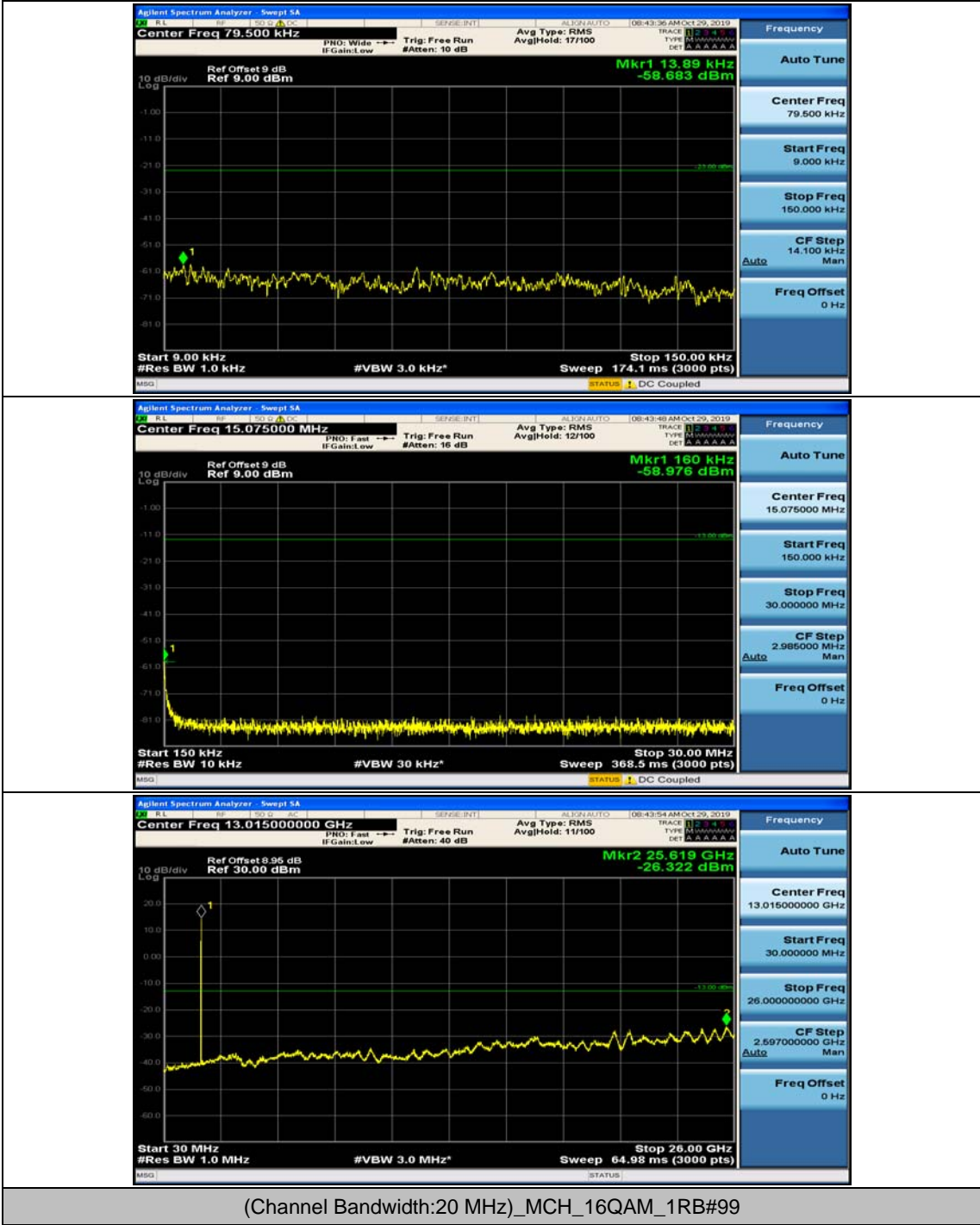


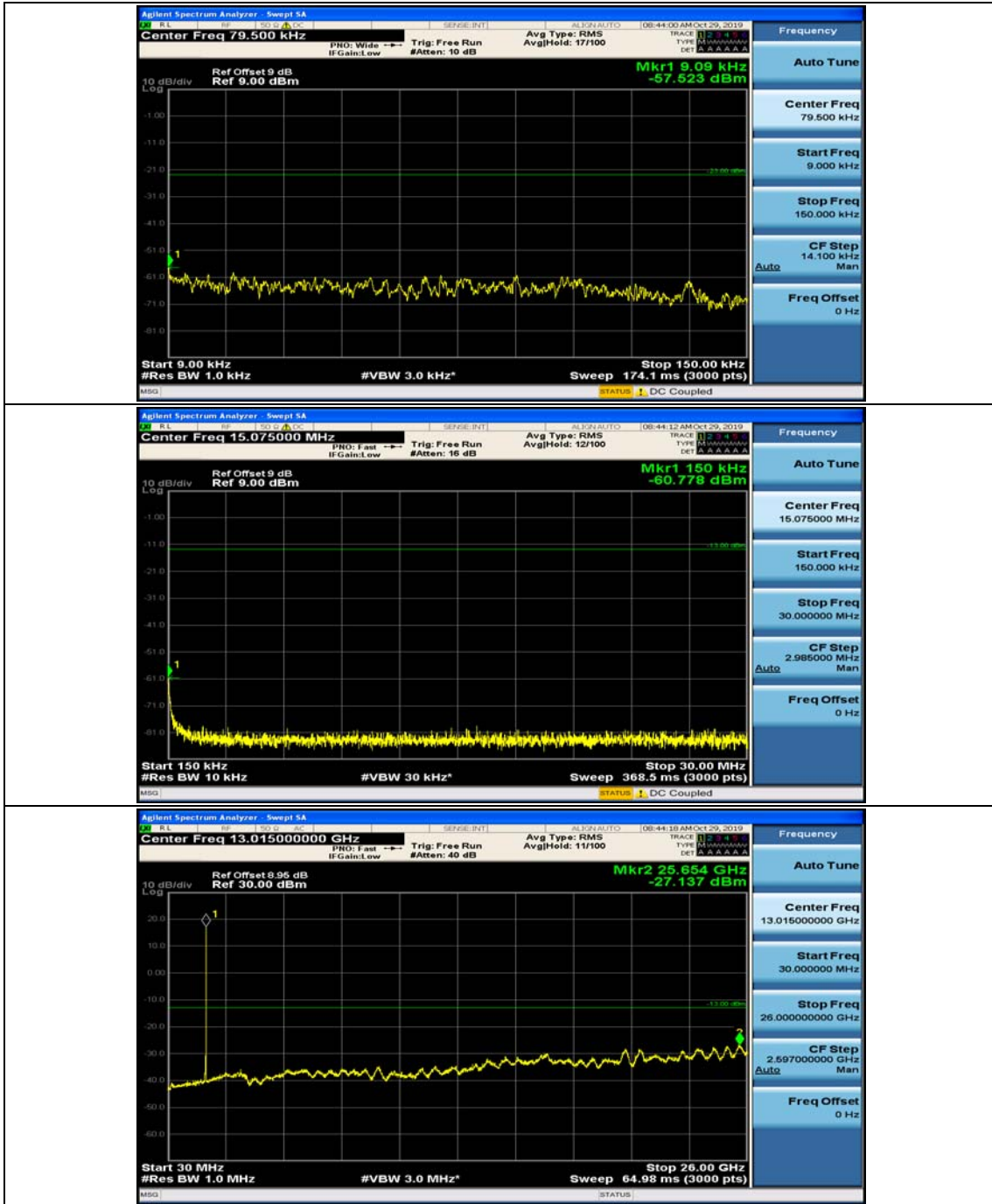


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

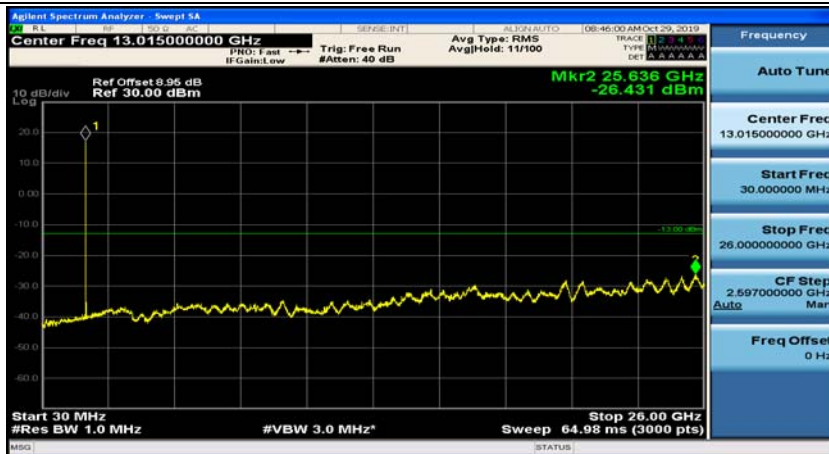
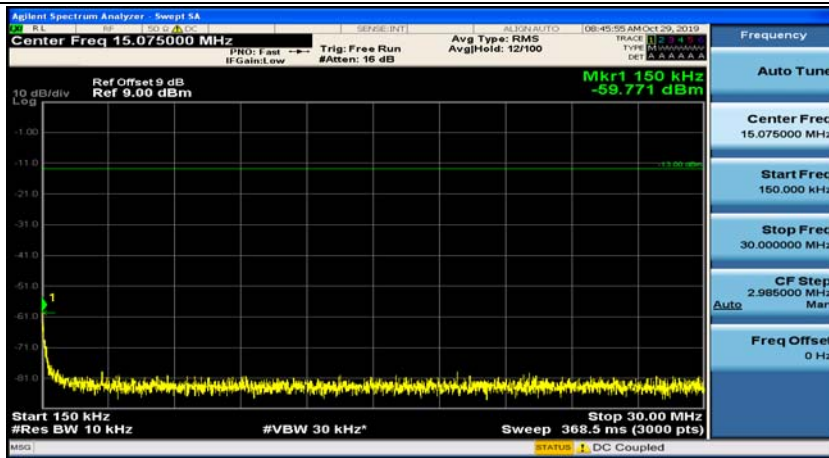
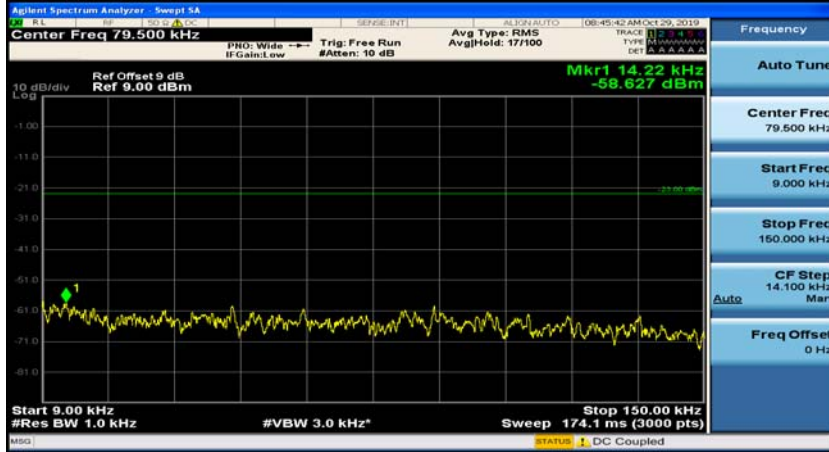


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

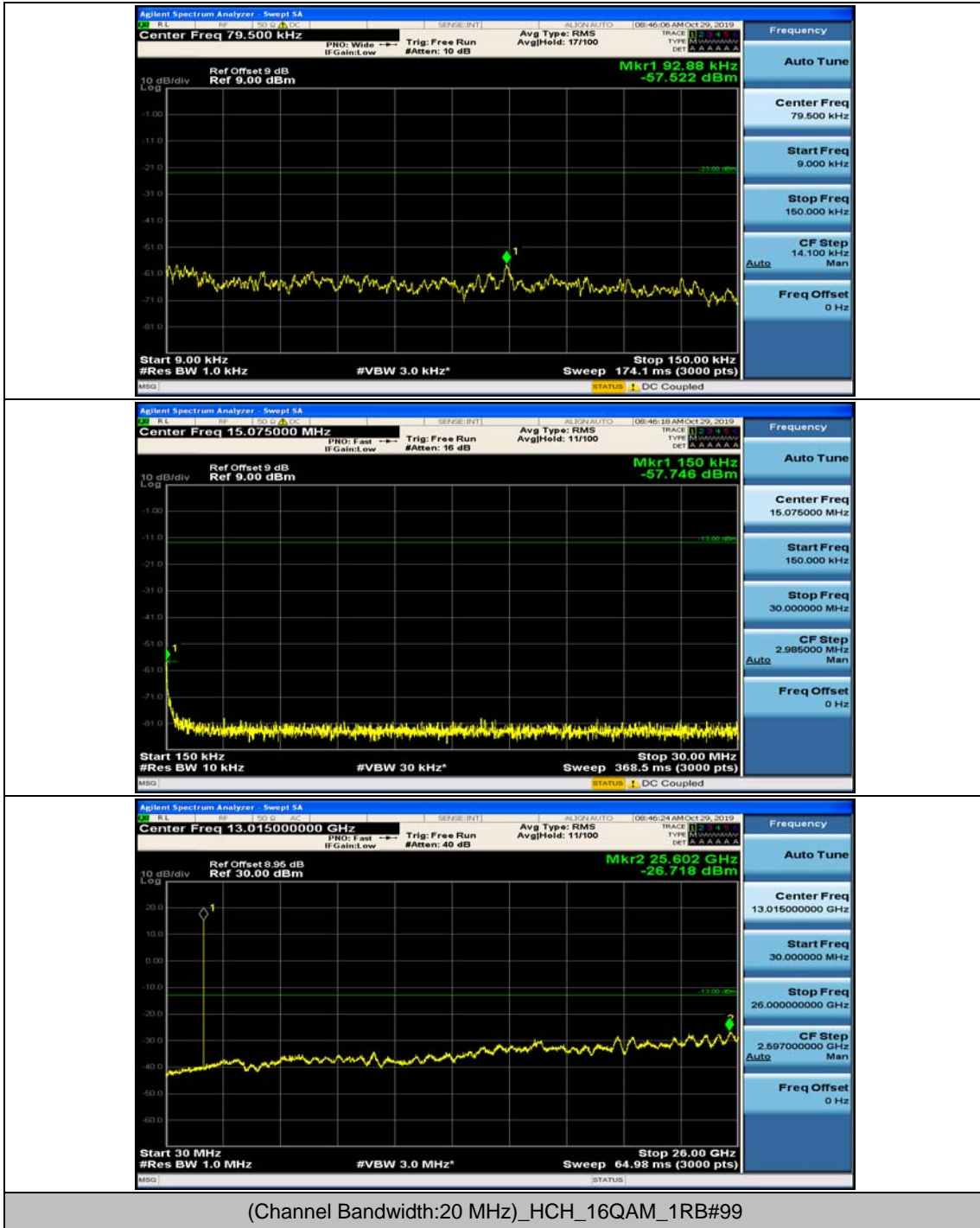


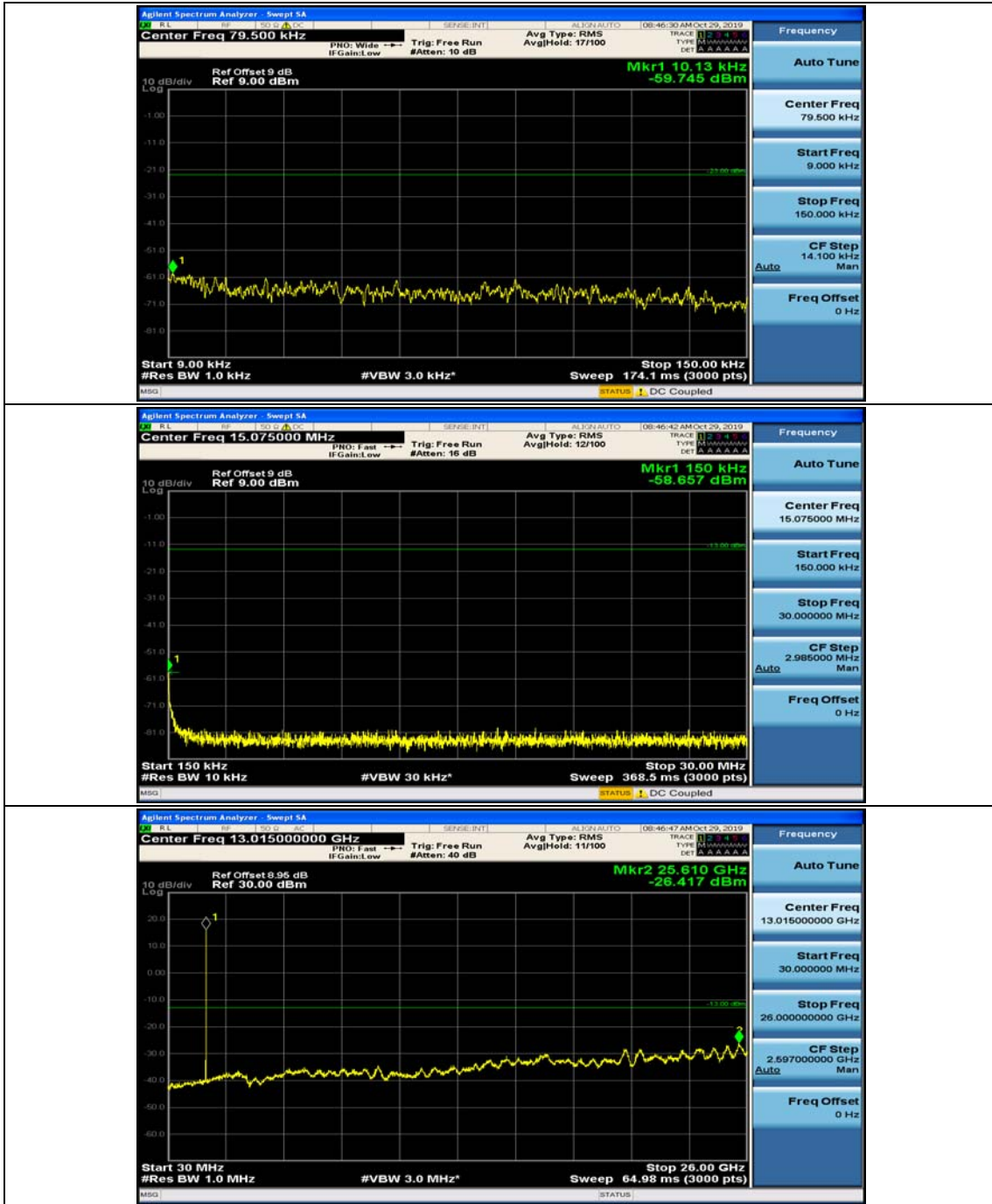


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	1.8	0.001052	± 2.5	PASS
		VN	TN	1.81	0.001058	± 2.5	PASS
		VH	TN	-1.44	-0.000842	± 2.5	PASS
	MCH	VL	TN	3.57	0.002061	± 2.5	PASS
		VN	TN	0.12	0.000069	± 2.5	PASS
		VH	TN	-1.17	-0.000675	± 2.5	PASS
	HCH	VL	TN	1.63	0.000929	± 2.5	PASS
		VN	TN	0.02	0.000011	± 2.5	PASS
		VH	TN	3.47	0.001978	± 2.5	PASS
16QAM	LCH	VL	TN	2.89	0.001689	± 2.5	PASS
		VN	TN	4.08	0.002385	± 2.5	PASS
		VH	TN	2.94	0.001719	± 2.5	PASS
	MCH	VL	TN	1.31	0.000756	± 2.5	PASS
		VN	TN	0.34	0.000196	± 2.5	PASS
		VH	TN	3.59	0.002072	± 2.5	PASS
	HCH	VL	TN	0.99	0.000564	± 2.5	PASS
		VN	TN	3.08	0.001756	± 2.5	PASS
		VH	TN	-1.38	-0.000787	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.02	0.000012	± 2.5	PASS
		VN	-20	4.8	0.002806	± 2.5	PASS
		VN	-10	-0.98	-0.000573	± 2.5	PASS
		VN	0	2.06	0.001204	± 2.5	PASS
		VN	10	-1.46	-0.000853	± 2.5	PASS
		VN	20	2.55	0.001491	± 2.5	PASS
		VN	30	4.79	0.002800	± 2.5	PASS
		VN	40	2.56	0.001496	± 2.5	PASS
	MCH	VN	-30	2.85	0.001645	± 2.5	PASS
		VN	-20	3.57	0.002061	± 2.5	PASS

		VN	-10	1.9	0.001097	± 2.5	PASS	
		VN	0	4.29	0.002476	± 2.5	PASS	
		VN	10	3.69	0.002130	± 2.5	PASS	
		VN	20	0.92	0.000531	± 2.5	PASS	
		VN	30	3.39	0.001957	± 2.5	PASS	
		VN	40	-1.15	-0.000664	± 2.5	PASS	
		VN	50	3.42	0.001974	± 2.5	PASS	
	HCH	VN	-30	1.52	0.000866	± 2.5	PASS	
		VN	-20	3.22	0.001835	± 2.5	PASS	
		VN	-10	1.34	0.000764	± 2.5	PASS	
		VN	0	4.71	0.002685	± 2.5	PASS	
		VN	10	3.77	0.002149	± 2.5	PASS	
		VN	20	0.1	0.000057	± 2.5	PASS	
		VN	30	-1.56	-0.000889	± 2.5	PASS	
	16QAM	LCH	VN	40	0.11	0.000063	± 2.5	PASS
			VN	50	-1.51	-0.000861	± 2.5	PASS
			VN	-30	4.62	0.002701	± 2.5	PASS
			VN	-20	1.93	0.001128	± 2.5	PASS
VN			-10	1.39	0.000813	± 2.5	PASS	
VN			0	1.66	0.000970	± 2.5	PASS	
VN			10	-1.28	-0.000748	± 2.5	PASS	
VN			20	0.55	0.000322	± 2.5	PASS	
VN			30	1.16	0.000678	± 2.5	PASS	
MCH		VN	40	3.15	0.001841	± 2.5	PASS	
		VN	50	3.33	0.001947	± 2.5	PASS	
		VN	-30	0.21	0.000120	± 2.5	PASS	
		VN	-20	4.21	0.002400	± 2.5	PASS	
		VN	-10	3.65	0.002081	± 2.5	PASS	
		VN	0	2.23	0.001271	± 2.5	PASS	
		VN	10	-1.19	-0.000678	± 2.5	PASS	
		VN	20	2.02	0.001151	± 2.5	PASS	
		VN	30	-0.3	-0.000171	± 2.5	PASS	
HCH	VN	40	4.42	0.002520	± 2.5	PASS		
	VN	50	-0.29	-0.000165	± 2.5	PASS		
	VN	-30	-1.89	-0.001077	± 2.5	PASS		
	VN	-20	3.81	0.002172	± 2.5	PASS		
	VN	-10	-1.64	-0.000935	± 2.5	PASS		
	VN	0	4.12	0.002349	± 2.5	PASS		
	VN	10	1.59	0.000906	± 2.5	PASS		
VN	20	0.84	0.000479	± 2.5	PASS			
VN	30	0.92	0.000524	± 2.5	PASS			

		VN	40	0.32	0.000182	± 2.5	PASS
		VN	50	1.53	0.000872	± 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	-1.08	-0.000631	± 2.5	PASS
		VN	TN	2.18	0.001274	± 2.5	PASS
		VH	TN	2.42	0.001414	± 2.5	PASS
	MCH	VL	TN	1.74	0.001004	± 2.5	PASS
		VN	TN	3.99	0.002303	± 2.5	PASS
		VH	TN	0.53	0.000306	± 2.5	PASS
	HCH	VL	TN	-0.6	-0.000342	± 2.5	PASS
		VN	TN	2.51	0.001431	± 2.5	PASS
		VH	TN	2.63	0.001500	± 2.5	PASS
16QAM	LCH	VL	TN	-1.77	-0.001034	± 2.5	PASS
		VN	TN	0.25	0.000146	± 2.5	PASS
		VH	TN	0.53	0.000310	± 2.5	PASS
	MCH	VL	TN	-0.41	-0.000237	± 2.5	PASS
		VN	TN	3.29	0.001899	± 2.5	PASS
		VH	TN	4.67	0.002696	± 2.5	PASS
	HCH	VL	TN	-0.46	-0.000262	± 2.5	PASS
		VN	TN	1.19	0.000679	± 2.5	PASS
		VH	TN	3.84	0.002190	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.02	0.001765	± 2.5	PASS
		VN	-20	3.18	0.001858	± 2.5	PASS
		VN	-10	2.35	0.001373	± 2.5	PASS
		VN	0	-0.25	-0.000146	± 2.5	PASS
		VN	10	-0.29	-0.000169	± 2.5	PASS
		VN	20	3.53	0.002063	± 2.5	PASS
		VN	30	1.81	0.001058	± 2.5	PASS
		VN	40	-0.07	-0.000041	± 2.5	PASS
		VN	50	-1	-0.000584	± 2.5	PASS
	MCH	VN	-30	3.22	0.001859	± 2.5	PASS
		VN	-20	4.52	0.002609	± 2.5	PASS
		VN	-10	-0.77	-0.000444	± 2.5	PASS

		VN	0	-1.88	-0.001085	± 2.5	PASS		
		VN	10	-1.83	-0.001056	± 2.5	PASS		
		VN	20	0.5	0.000289	± 2.5	PASS		
		VN	30	-0.55	-0.000317	± 2.5	PASS		
		VN	40	3.65	0.002107	± 2.5	PASS		
		VN	50	4.16	0.002401	± 2.5	PASS		
	HCH	VN	-30	-1.72	-0.000981	± 2.5	PASS		
		VN	-20	-0.9	-0.000513	± 2.5	PASS		
		VN	-10	4.3	0.002452	± 2.5	PASS		
		VN	0	2.66	0.001517	± 2.5	PASS		
		VN	10	2	0.001141	± 2.5	PASS		
		VN	20	-0.09	-0.000051	± 2.5	PASS		
		VN	30	3.93	0.002241	± 2.5	PASS		
		VN	40	0.71	0.000405	± 2.5	PASS		
		VN	50	3.56	0.002030	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.87	-0.001079	± 2.5	PASS
				VN	-20	-0.13	-0.000075	± 2.5	PASS
				VN	-10	-1.94	-0.001120	± 2.5	PASS
VN	0			0.46	0.000266	± 2.5	PASS		
VN	10			4.01	0.002315	± 2.5	PASS		
VN	20			0.5	0.000289	± 2.5	PASS		
VN	30			1.21	0.000698	± 2.5	PASS		
VN	40			3.22	0.001859	± 2.5	PASS		
VN	50			4.75	0.002742	± 2.5	PASS		
MCH	VN		-30	-1.45	-0.000827	± 2.5	PASS		
	VN		-20	-1.38	-0.000787	± 2.5	PASS		
	VN		-10	4.61	0.002629	± 2.5	PASS		
	VN		0	-1.94	-0.001106	± 2.5	PASS		
	VN		10	-0.96	-0.000547	± 2.5	PASS		
	VN		20	1.63	0.000930	± 2.5	PASS		
	VN		30	4.95	0.002823	± 2.5	PASS		
	VN		40	3.49	0.001990	± 2.5	PASS		
	VN		50	3.01	0.001717	± 2.5	PASS		
HCH	VN		-30	4.67	0.002663	± 2.5	PASS		
	VN		-20	3.24	0.001848	± 2.5	PASS		
	VN		-10	2.34	0.001334	± 2.5	PASS		
	VN		0	-1.28	-0.000730	± 2.5	PASS		
	VN		10	2.12	0.001209	± 2.5	PASS		
	VN		20	3.46	0.001973	± 2.5	PASS		
	VN		30	-0.2	-0.000114	± 2.5	PASS		
	VN		40	-1.91	-0.001089	± 2.5	PASS		

		VN	50	0.17	0.000097	± 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	3.41	0.001991	± 2.5	PASS
		VN	TN	-1.02	-0.000596	± 2.5	PASS
		VH	TN	0.89	0.000520	± 2.5	PASS
	MCH	VL	TN	1.78	0.001027	± 2.5	PASS
		VN	TN	1.78	0.001027	± 2.5	PASS
		VH	TN	0.73	0.000421	± 2.5	PASS
	HCH	VL	TN	3.83	0.002185	± 2.5	PASS
		VN	TN	3.83	0.002185	± 2.5	PASS
		VH	TN	0.45	0.000257	± 2.5	PASS
16QAM	LCH	VL	TN	-1.2	-0.000701	± 2.5	PASS
		VN	TN	1.97	0.001150	± 2.5	PASS
		VH	TN	4.31	0.002517	± 2.5	PASS
	MCH	VL	TN	-1.8	-0.001039	± 2.5	PASS
		VN	TN	-0.61	-0.000352	± 2.5	PASS
		VH	TN	4.9	0.002828	± 2.5	PASS
	HCH	VL	TN	2.81	0.001603	± 2.5	PASS
		VN	TN	0.04	0.000023	± 2.5	PASS
		VH	TN	-0.44	-0.000251	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.64	0.002709	± 2.5	PASS
		VN	-20	2.65	0.001547	± 2.5	PASS
		VN	-10	1.65	0.000964	± 2.5	PASS
		VN	0	2.73	0.001594	± 2.5	PASS
		VN	10	0.25	0.000146	± 2.5	PASS
		VN	20	-0.69	-0.000403	± 2.5	PASS
		VN	30	-0.22	-0.000128	± 2.5	PASS
		VN	40	1.7	0.000993	± 2.5	PASS
		VN	50	-0.41	-0.000239	± 2.5	PASS
	MCH	VN	-30	2.27	0.001310	± 2.5	PASS
		VN	-20	1.05	0.000606	± 2.5	PASS
		VN	-10	3.31	0.001911	± 2.5	PASS
		VN	0	-1.5	-0.000866	± 2.5	PASS

		VN	10	4.26	0.002459	± 2.5	PASS
		VN	20	4.45	0.002569	± 2.5	PASS
		VN	30	-0.69	-0.000398	± 2.5	PASS
		VN	40	0.63	0.000364	± 2.5	PASS
		VN	50	4.11	0.002372	± 2.5	PASS
	HCH	VN	-30	0.59	0.000337	± 2.5	PASS
		VN	-20	-0.71	-0.000372	± 2.5	PASS
		VN	-10	1.14	0.000598	± 2.5	PASS
		VN	0	-0.04	-0.000021	± 2.5	PASS
		VN	10	2.03	0.001064	± 2.5	PASS
		VN	20	2.89	0.001515	± 2.5	PASS
		VN	30	0.84	0.000440	± 2.5	PASS
		VN	40	1.57	0.000823	± 2.5	PASS
		VN	50	0.98	0.000514	± 2.5	PASS
		16QAM	LCH	VN	-30	3.79	0.002188
VN	-20			3.77	0.002176	± 2.5	PASS
VN	-10			3	0.001732	± 2.5	PASS
VN	0			2.16	0.001247	± 2.5	PASS
VN	10			0.54	0.000312	± 2.5	PASS
VN	20			1.61	0.000929	± 2.5	PASS
VN	30			-1.28	-0.000739	± 2.5	PASS
VN	40			2.59	0.001495	± 2.5	PASS
VN	50			3.15	0.001818	± 2.5	PASS
MCH	VN		-30	-0.2	-0.000114	± 2.5	PASS
	VN		-20	3.46	0.001974	± 2.5	PASS
	VN		-10	2.83	0.001615	± 2.5	PASS
	VN		0	1.18	0.000673	± 2.5	PASS
	VN		10	3.52	0.002009	± 2.5	PASS
	VN		20	1.81	0.001033	± 2.5	PASS
	VN		30	3.11	0.001775	± 2.5	PASS
	VN		40	-1.93	-0.001101	± 2.5	PASS
	VN		50	2.05	0.001170	± 2.5	PASS
HCH	VN		-30	3.25	0.001704	± 2.5	PASS
	VN		-20	3.96	0.002076	± 2.5	PASS
	VN		-10	4	0.002097	± 2.5	PASS
	VN		0	-0.77	-0.000404	± 2.5	PASS
	VN		10	-1.27	-0.000666	± 2.5	PASS
	VN		20	2.43	0.001274	± 2.5	PASS
	VN		30	0.49	0.000257	± 2.5	PASS
	VN		40	2.69	0.001410	± 2.5	PASS
	VN		50	1.7	0.000891	± 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	1.63	0.000950	± 2.5	PASS
		VN	TN	-0.26	-0.000152	± 2.5	PASS
		VH	TN	-0.08	-0.000047	± 2.5	PASS
	MCH	VL	TN	-1.15	-0.000664	± 2.5	PASS
		VN	TN	4.8	0.002771	± 2.5	PASS
		VH	TN	3.65	0.002107	± 2.5	PASS
	HCH	VL	TN	-0.15	-0.000086	± 2.5	PASS
		VN	TN	-0.95	-0.000543	± 2.5	PASS
		VH	TN	-1.27	-0.000726	± 2.5	PASS
16QAM	LCH	VL	TN	4.47	0.002606	± 2.5	PASS
		VN	TN	-1.84	-0.001073	± 2.5	PASS
		VH	TN	4.38	0.002554	± 2.5	PASS
	MCH	VL	TN	3.13	0.001807	± 2.5	PASS
		VN	TN	0.6	0.000346	± 2.5	PASS
		VH	TN	-1.33	-0.000768	± 2.5	PASS
	HCH	VL	TN	2.24	0.001280	± 2.5	PASS
		VN	TN	3.94	0.002251	± 2.5	PASS
		VH	TN	4.14	0.002366	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.4	0.000816	± 2.5	PASS
		VN	-20	3.56	0.002076	± 2.5	PASS
		VN	-10	3.67	0.002140	± 2.5	PASS
		VN	0	0.86	0.000501	± 2.5	PASS
		VN	10	4.91	0.002863	± 2.5	PASS
		VN	20	0.44	0.000257	± 2.5	PASS
		VN	30	-0.44	-0.000257	± 2.5	PASS
		VN	40	4.48	0.002612	± 2.5	PASS
	MCH	VN	50	4.99	0.002910	± 2.5	PASS
		VN	-30	-1.02	-0.000589	± 2.5	PASS
		VN	-20	4.12	0.002378	± 2.5	PASS
		VN	-10	4.98	0.002874	± 2.5	PASS
		VN	0	3.05	0.001760	± 2.5	PASS
		VN	10	-0.46	-0.000266	± 2.5	PASS
VN	20	0.65	0.000375	± 2.5	PASS		

		VN	30	1.8	0.001039	± 2.5	PASS
		VN	40	-1.07	-0.000618	± 2.5	PASS
		VN	50	2.63	0.001518	± 2.5	PASS
	HCH	VN	-30	2.44	0.001394	± 2.5	PASS
		VN	-20	0.34	0.000194	± 2.5	PASS
		VN	-10	-1.45	-0.000829	± 2.5	PASS
		VN	0	0.93	0.000531	± 2.5	PASS
		VN	10	2.79	0.001594	± 2.5	PASS
		VN	20	-0.98	-0.000560	± 2.5	PASS
		VN	30	2.27	0.001297	± 2.5	PASS
		VN	40	1.26	0.000720	± 2.5	PASS
		VN	50	0.57	0.000326	± 2.5	PASS
QPSK	LCH	VN	-30	4.48	0.002586	± 2.5	PASS
		VN	-20	-0.72	-0.000416	± 2.5	PASS
		VN	-10	2.4	0.001385	± 2.5	PASS
		VN	0	3.64	0.002101	± 2.5	PASS
		VN	10	0.69	0.000398	± 2.5	PASS
		VN	20	-1.22	-0.000704	± 2.5	PASS
		VN	30	-1.63	-0.000941	± 2.5	PASS
		VN	40	-1.51	-0.000872	± 2.5	PASS
	MCH	VN	50	2.26	0.001304	± 2.5	PASS
		VN	-30	3.72	0.002126	± 2.5	PASS
		VN	-20	-0.45	-0.000257	± 2.5	PASS
		VN	-10	2.2	0.001257	± 2.5	PASS
		VN	0	-1.36	-0.000777	± 2.5	PASS
		VN	10	-1.99	-0.001137	± 2.5	PASS
		VN	20	0.88	0.000503	± 2.5	PASS
		VN	30	4.49	0.002566	± 2.5	PASS
	HCH	VN	40	0.69	0.000394	± 2.5	PASS
		VN	50	2.67	0.001526	± 2.5	PASS
		VN	-30	4.07	0.002326	± 2.5	PASS
		VN	-20	-0.76	-0.000434	± 2.5	PASS
		VN	-10	4.35	0.002486	± 2.5	PASS
		VN	0	2.27	0.001297	± 2.5	PASS
		VN	10	4.92	0.002811	± 2.5	PASS
		VN	20	2.89	0.001651	± 2.5	PASS
	VN	30	-0.38	-0.000217	± 2.5	PASS	
	VN	40	0.23	0.000131	± 2.5	PASS	
	VN	50	-1	-0.000571	± 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	2.03	0.001182	± 2.5	PASS
		VN	TN	0.81	0.000472	± 2.5	PASS
		VH	TN	2.64	0.001537	± 2.5	PASS
	MCH	VL	TN	4.23	0.002442	± 2.5	PASS
		VN	TN	0.82	0.000473	± 2.5	PASS
		VH	TN	3.82	0.002205	± 2.5	PASS
	HCH	VL	TN	1.26	0.000721	± 2.5	PASS
		VN	TN	1.67	0.000956	± 2.5	PASS
		VH	TN	1.03	0.000589	± 2.5	PASS
16QAM	LCH	VL	TN	3.17	0.001846	± 2.5	PASS
		VN	TN	1.73	0.001007	± 2.5	PASS
		VH	TN	0.25	0.000146	± 2.5	PASS
	MCH	VL	TN	1.56	0.000900	± 2.5	PASS
		VN	TN	-0.37	-0.000214	± 2.5	PASS
		VH	TN	-0.44	-0.000254	± 2.5	PASS
	HCH	VL	TN	0.33	0.000189	± 2.5	PASS
		VN	TN	3.26	0.001866	± 2.5	PASS
		VH	TN	4.89	0.002798	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.7	-0.000990	± 2.5	PASS
		VN	-20	3.42	0.001991	± 2.5	PASS
		VN	-10	1.11	0.000646	± 2.5	PASS
		VN	0	-0.52	-0.000303	± 2.5	PASS
		VN	10	3.37	0.001962	± 2.5	PASS
		VN	20	4.2	0.002445	± 2.5	PASS
		VN	30	2.23	0.001298	± 2.5	PASS
		VN	40	-0.74	-0.000431	± 2.5	PASS
	MCH	VN	50	3.54	0.002061	± 2.5	PASS
		VN	-30	3.32	0.001916	± 2.5	PASS
		VN	-20	2.88	0.001662	± 2.5	PASS
		VN	-10	0.19	0.000110	± 2.5	PASS
		VN	0	-1.24	-0.000716	± 2.5	PASS
		VN	10	3.82	0.002205	± 2.5	PASS
VN	20	0.16	0.000092	± 2.5	PASS		

		VN	30	2.17	0.001253	± 2.5	PASS
		VN	40	0.1	0.000058	± 2.5	PASS
		VN	50	2.47	0.001426	± 2.5	PASS
	HCH	VN	-30	2.13	0.001219	± 2.5	PASS
		VN	-20	2.65	0.001516	± 2.5	PASS
		VN	-10	2.37	0.001356	± 2.5	PASS
		VN	0	-1.1	-0.000629	± 2.5	PASS
		VN	10	4.85	0.002775	± 2.5	PASS
		VN	20	1.52	0.000870	± 2.5	PASS
		VN	30	0.62	0.000355	± 2.5	PASS
		VN	40	3.94	0.002255	± 2.5	PASS
		VN	50	-1.26	-0.000721	± 2.5	PASS
16QAM	LCH	VN	-30	-1.14	-0.000658	± 2.5	PASS
		VN	-20	0.35	0.000202	± 2.5	PASS
		VN	-10	0.35	0.000202	± 2.5	PASS
		VN	0	4.64	0.002678	± 2.5	PASS
		VN	10	-0.61	-0.000352	± 2.5	PASS
		VN	20	-1.73	-0.000999	± 2.5	PASS
		VN	30	1.4	0.000808	± 2.5	PASS
		VN	40	2.18	0.001258	± 2.5	PASS
		VN	50	4.73	0.002730	± 2.5	PASS
	MCH	VN	-30	0.58	0.000332	± 2.5	PASS
		VN	-20	-1.31	-0.000750	± 2.5	PASS
		VN	-10	1.98	0.001133	± 2.5	PASS
		VN	0	4.66	0.002667	± 2.5	PASS
		VN	10	2.21	0.001265	± 2.5	PASS
		VN	20	3.17	0.001814	± 2.5	PASS
		VN	30	-0.69	-0.000395	± 2.5	PASS
		VN	40	0.13	0.000074	± 2.5	PASS
		VN	50	-0.22	-0.000126	± 2.5	PASS
	HCH	VN	-30	4.41	0.002524	± 2.5	PASS
		VN	-20	-1.58	-0.000904	± 2.5	PASS
		VN	-10	3.41	0.001951	± 2.5	PASS
		VN	0	2.49	0.001425	± 2.5	PASS
		VN	10	-1.48	-0.000847	± 2.5	PASS
		VN	20	3.38	0.001934	± 2.5	PASS
VN		30	0.16	0.000092	± 2.5	PASS	
VN		40	3.66	0.002094	± 2.5	PASS	
VN		50	3.54	0.002026	± 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	3.95	0.002297	± 2.5	PASS
		VN	TN	-1.08	-0.000628	± 2.5	PASS
		VH	TN	0.2	0.000116	± 2.5	PASS
	MCH	VL	TN	3.49	0.002014	± 2.5	PASS
		VN	TN	0.08	0.000046	± 2.5	PASS
		VH	TN	3.73	0.002153	± 2.5	PASS
	HCH	VL	TN	2.93	0.001679	± 2.5	PASS
		VN	TN	-0.21	-0.000120	± 2.5	PASS
		VH	TN	0.52	0.000298	± 2.5	PASS
16QAM	LCH	VL	TN	-0.43	-0.000250	± 2.5	PASS
		VN	TN	-1.13	-0.000657	± 2.5	PASS
		VH	TN	2.03	0.001180	± 2.5	PASS
	MCH	VL	TN	-1.79	-0.001033	± 2.5	PASS
		VN	TN	-1.42	-0.000820	± 2.5	PASS
		VH	TN	2.17	0.001253	± 2.5	PASS
	HCH	VL	TN	-1.68	-0.000963	± 2.5	PASS
		VN	TN	3.99	0.002287	± 2.5	PASS
		VH	TN	0.57	0.000327	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.87	0.002250	± 2.5	PASS
		VN	-20	1.19	0.000692	± 2.5	PASS
		VN	-10	1.34	0.000779	± 2.5	PASS
		VN	0	0.55	0.000320	± 2.5	PASS
		VN	10	-1.6	-0.000930	± 2.5	PASS
		VN	20	-1.97	-0.001145	± 2.5	PASS
		VN	30	1.1	0.000640	± 2.5	PASS
		VN	40	4.6	0.002674	± 2.5	PASS
		VN	50	-1.31	-0.000762	± 2.5	PASS
	MCH	VN	-30	-1.96	-0.001131	± 2.5	PASS
		VN	-20	-1.72	-0.000993	± 2.5	PASS
		VN	-10	3.17	0.001830	± 2.5	PASS
		VN	0	4.3	0.002482	± 2.5	PASS
		VN	10	-0.34	-0.000196	± 2.5	PASS
		VN	20	4.28	0.002470	± 2.5	PASS

		VN	30	3.58	0.002066	± 2.5	PASS
		VN	40	-1.73	-0.000999	± 2.5	PASS
		VN	50	2.21	0.001276	± 2.5	PASS
	HCH	VN	-30	2.32	0.001330	± 2.5	PASS
		VN	-20	0.79	0.000453	± 2.5	PASS
		VN	-10	1.83	0.001049	± 2.5	PASS
		VN	0	1.06	0.000607	± 2.5	PASS
		VN	10	-1.31	-0.000751	± 2.5	PASS
		VN	20	-1.54	-0.000883	± 2.5	PASS
		VN	30	1.38	0.000791	± 2.5	PASS
		VN	40	-0.68	-0.000390	± 2.5	PASS
		VN	50	-1.34	-0.000768	± 2.5	PASS
16QAM	LCH	VN	-30	2.21	0.001276	± 2.5	PASS
		VN	-20	3.95	0.002280	± 2.5	PASS
		VN	-10	2.84	0.001639	± 2.5	PASS
		VN	0	3.58	0.002066	± 2.5	PASS
		VN	10	1.71	0.000987	± 2.5	PASS
		VN	20	-0.14	-0.000081	± 2.5	PASS
		VN	30	4.23	0.002442	± 2.5	PASS
		VN	40	4.67	0.002696	± 2.5	PASS
		VN	50	-1.78	-0.001027	± 2.5	PASS
	MCH	VN	-30	3.08	0.001765	± 2.5	PASS
		VN	-20	-1.15	-0.000659	± 2.5	PASS
		VN	-10	-0.24	-0.000138	± 2.5	PASS
		VN	0	4.81	0.002756	± 2.5	PASS
		VN	10	3.1	0.001777	± 2.5	PASS
		VN	20	2.96	0.001696	± 2.5	PASS
		VN	30	-1.49	-0.000854	± 2.5	PASS
		VN	40	-0.1	-0.000057	± 2.5	PASS
		VN	50	3.55	0.002034	± 2.5	PASS
	HCH	VN	-30	2.18	0.001249	± 2.5	PASS
		VN	-20	2.12	0.001215	± 2.5	PASS
		VN	-10	-1.55	-0.000888	± 2.5	PASS
		VN	0	0.29	0.000166	± 2.5	PASS
		VN	10	2.71	0.001553	± 2.5	PASS
		VN	20	0.09	0.000052	± 2.5	PASS
VN		30	-0.45	-0.000258	± 2.5	PASS	
VN		40	-0.38	-0.000218	± 2.5	PASS	
VN		50	-1.62	-0.000928	± 2.5	PASS	