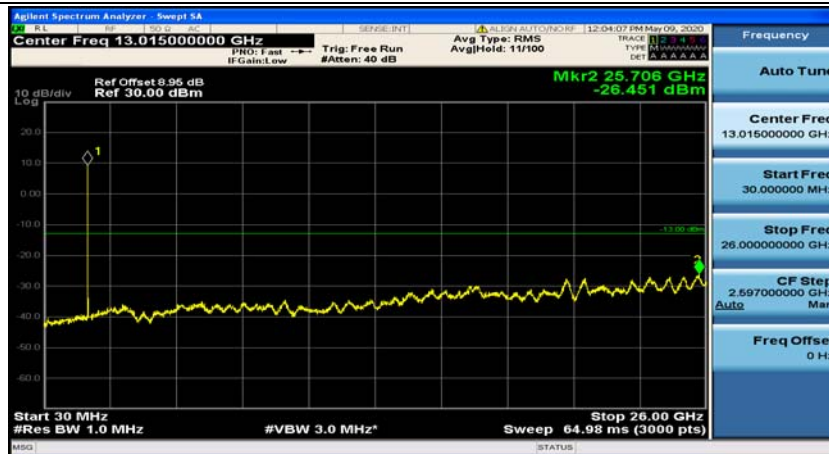
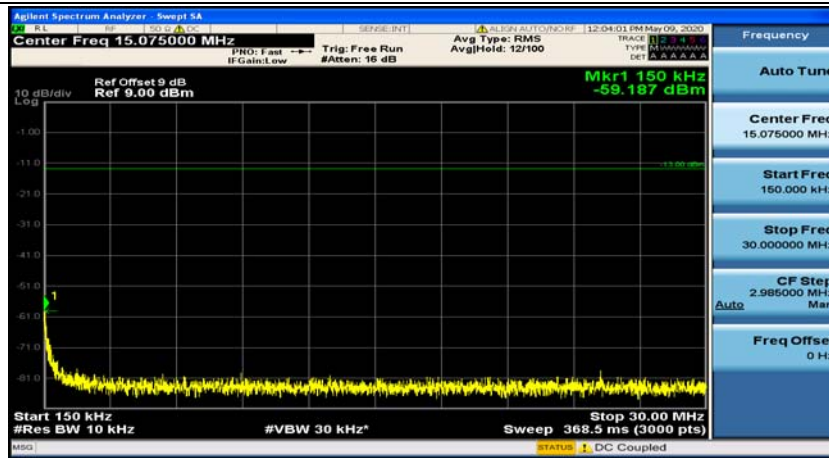
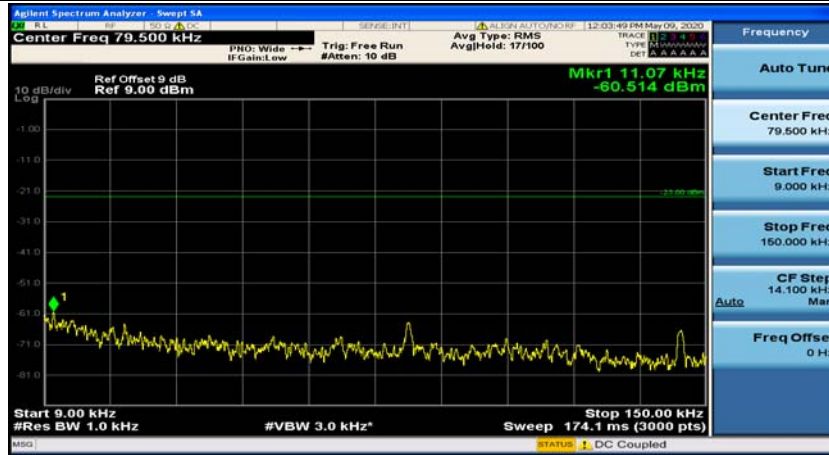
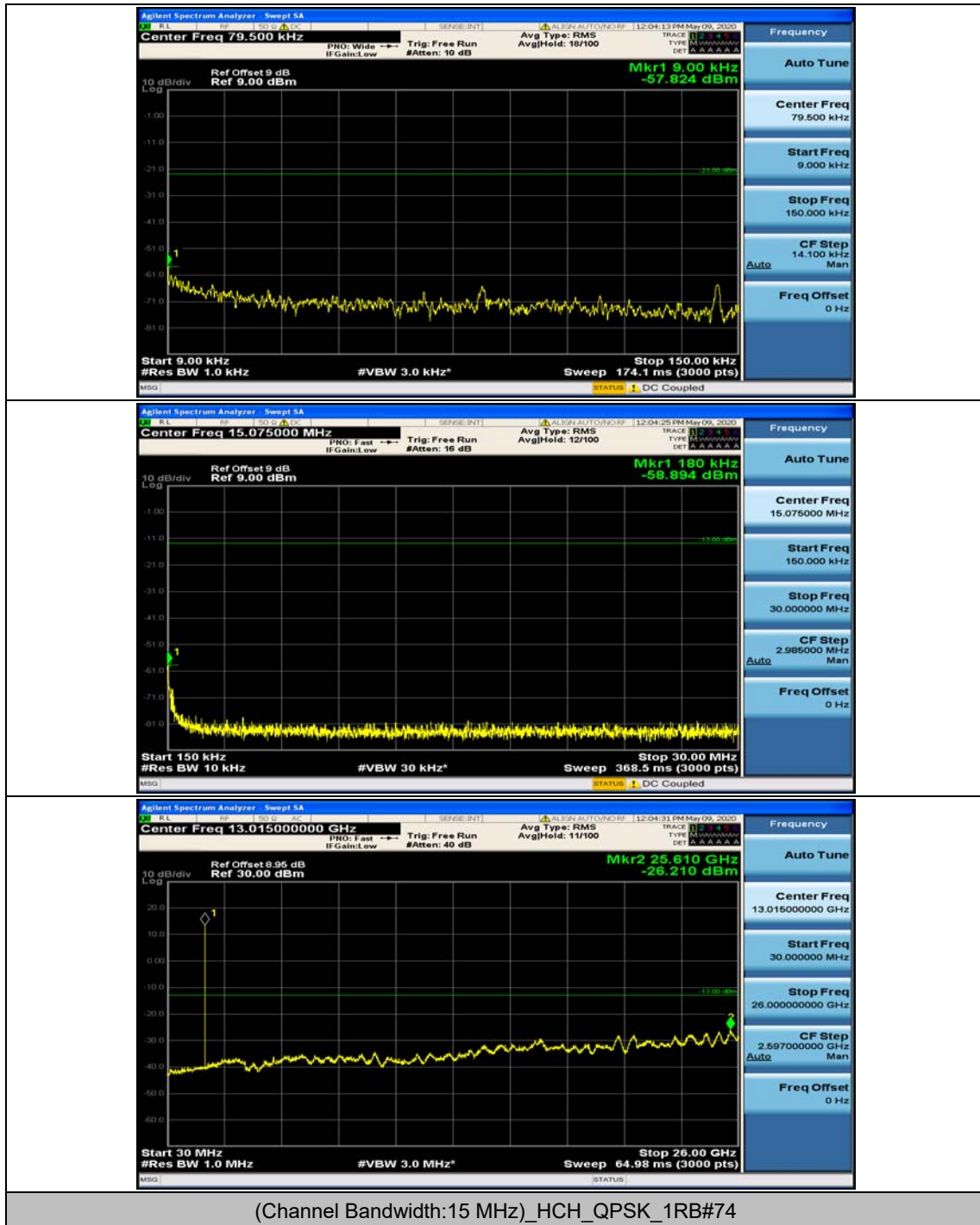


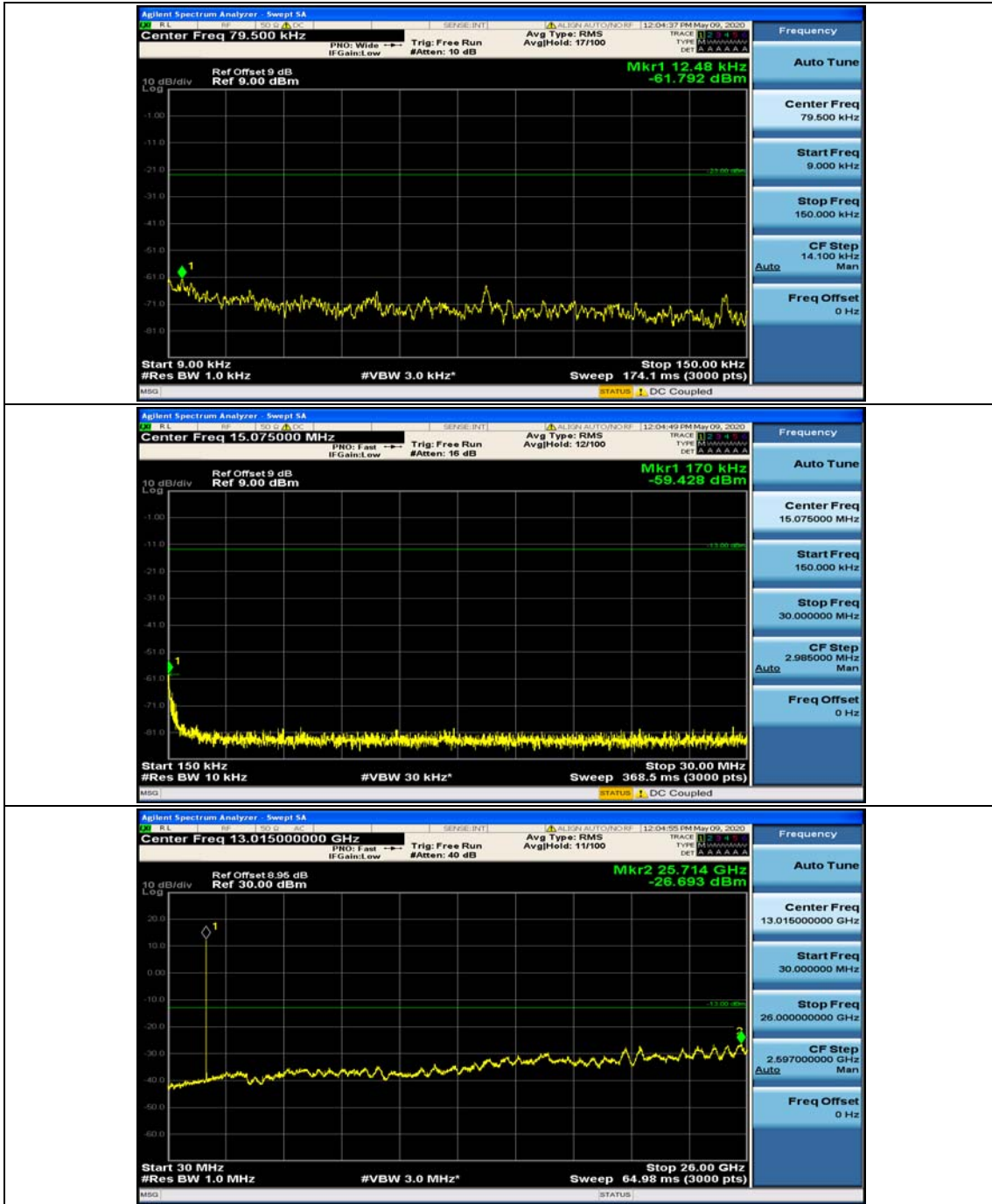


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



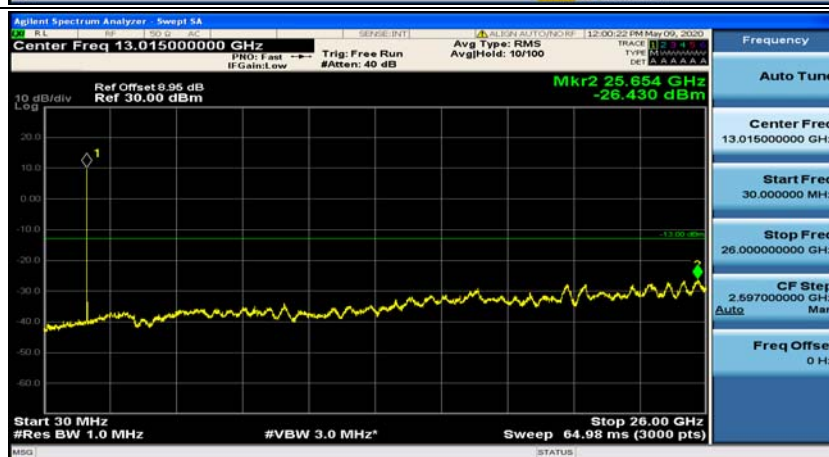
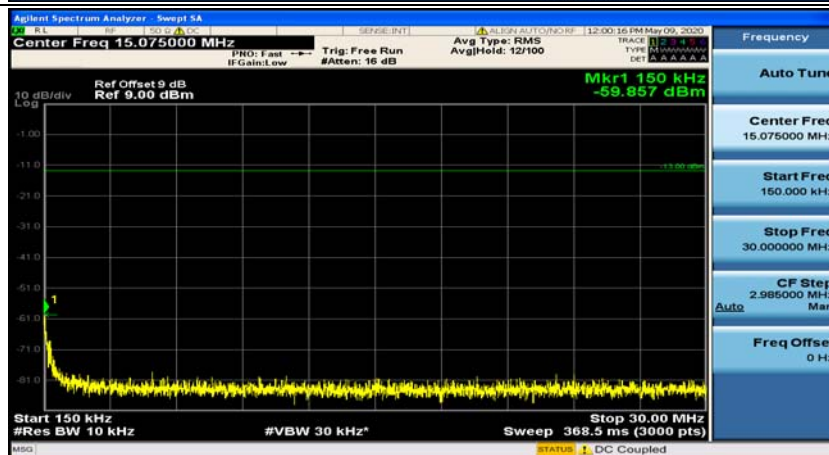
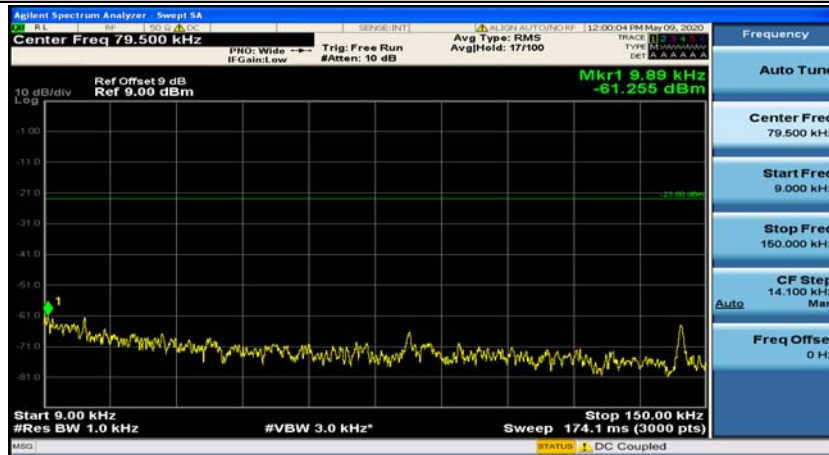
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



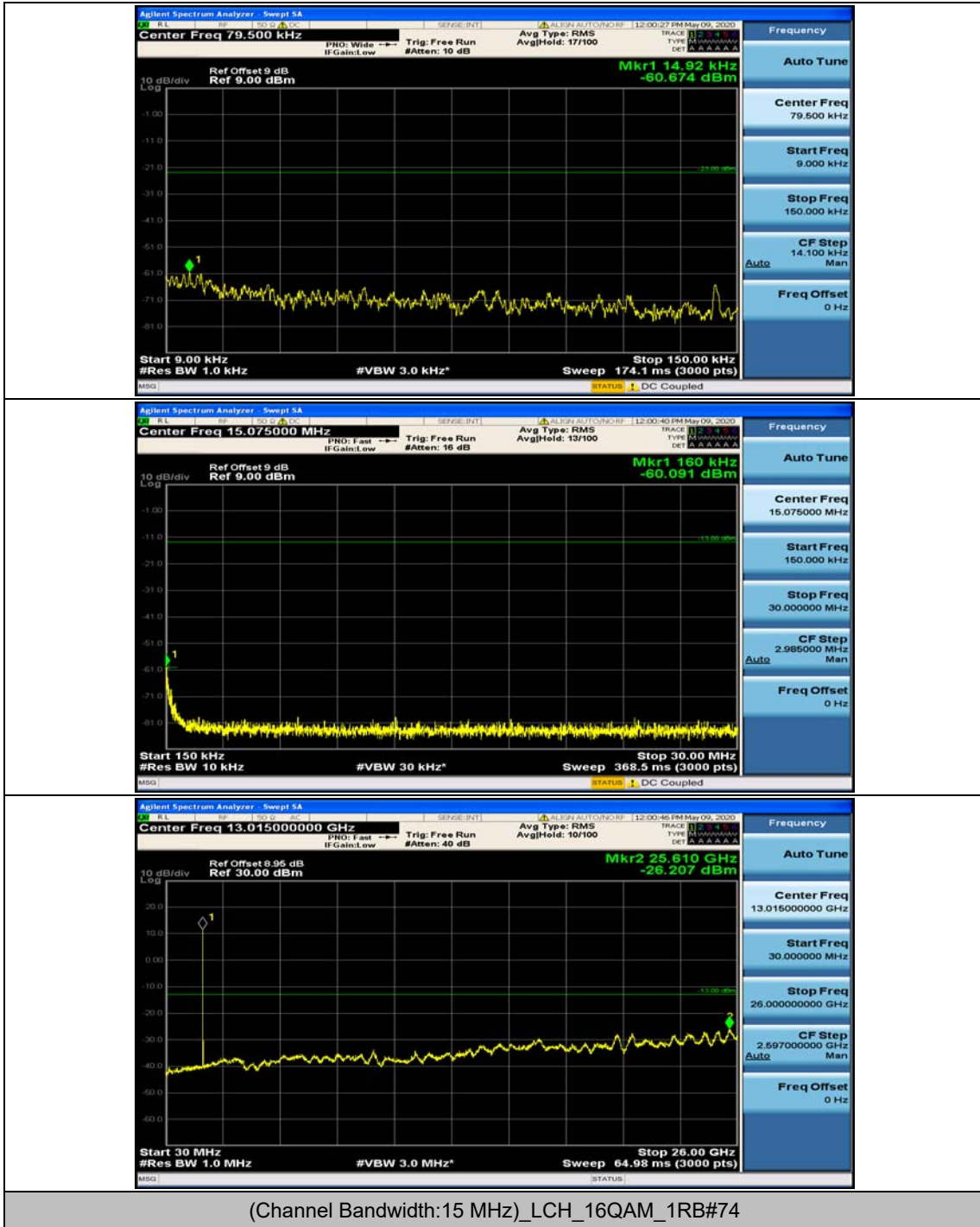


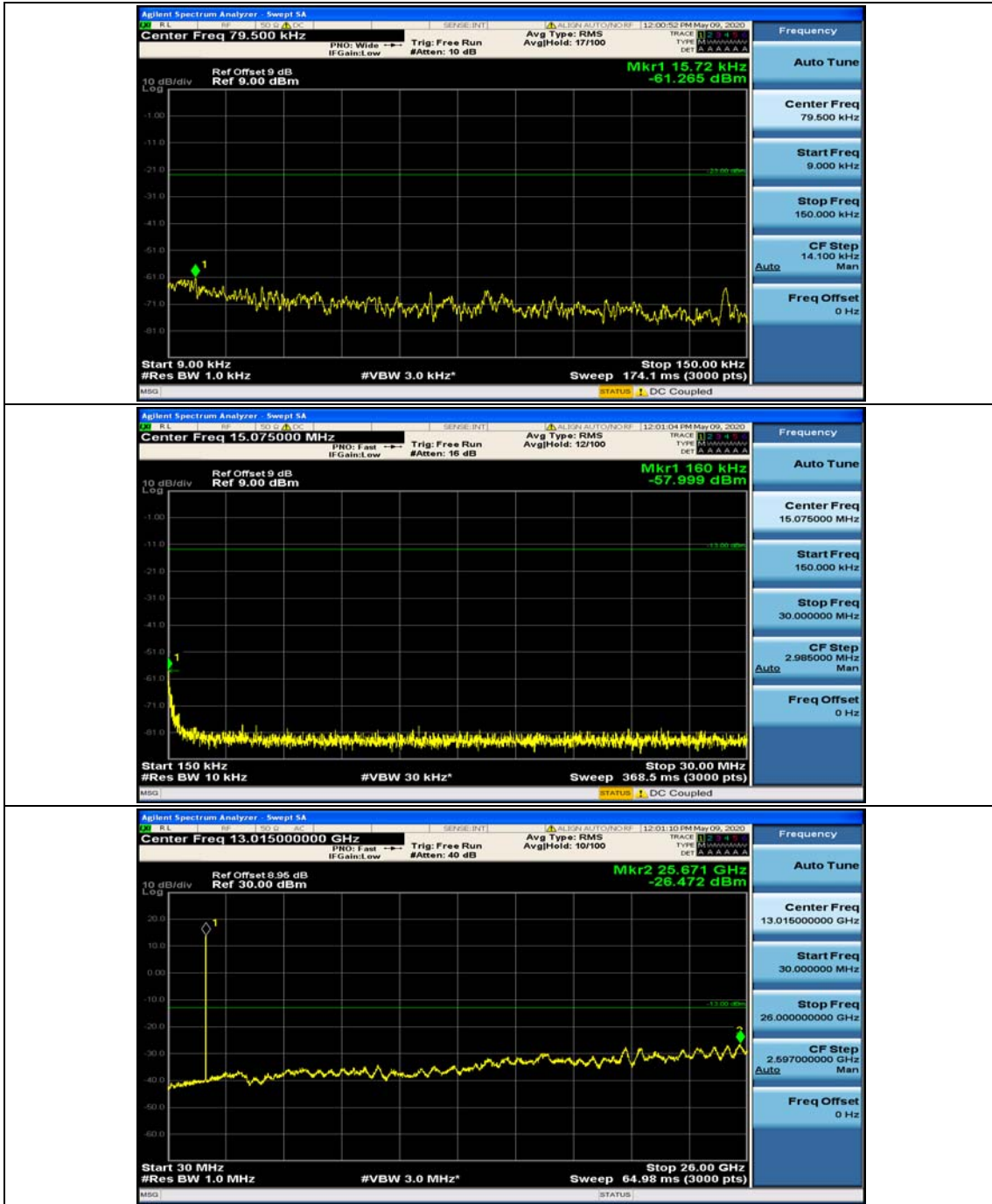


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



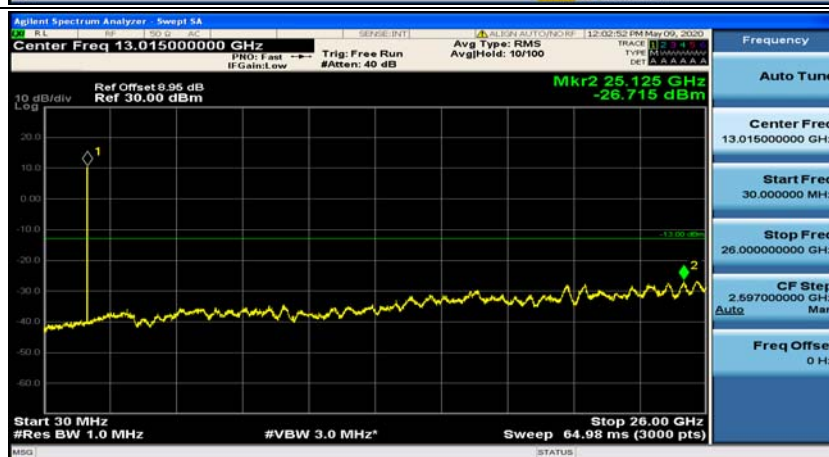
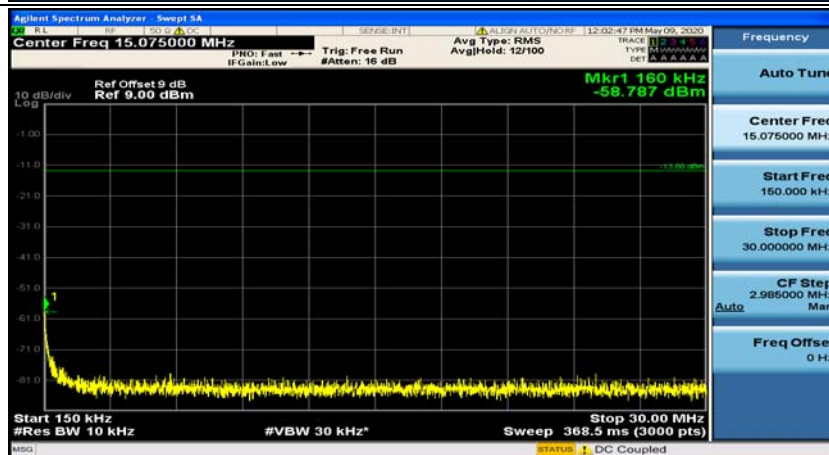
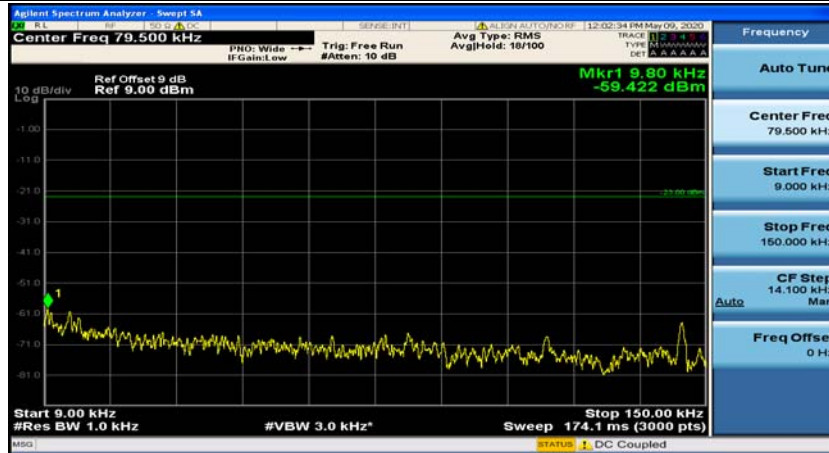
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



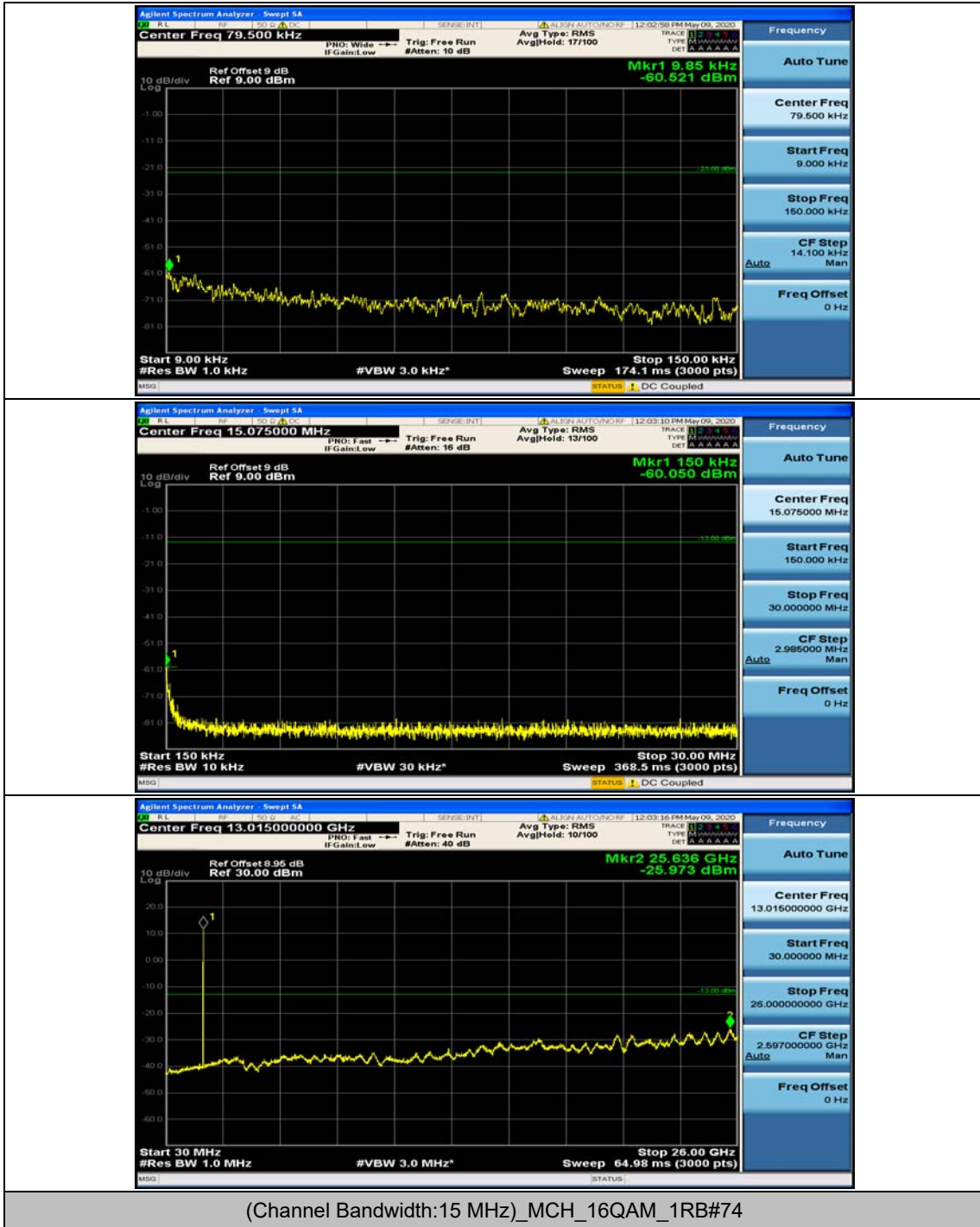


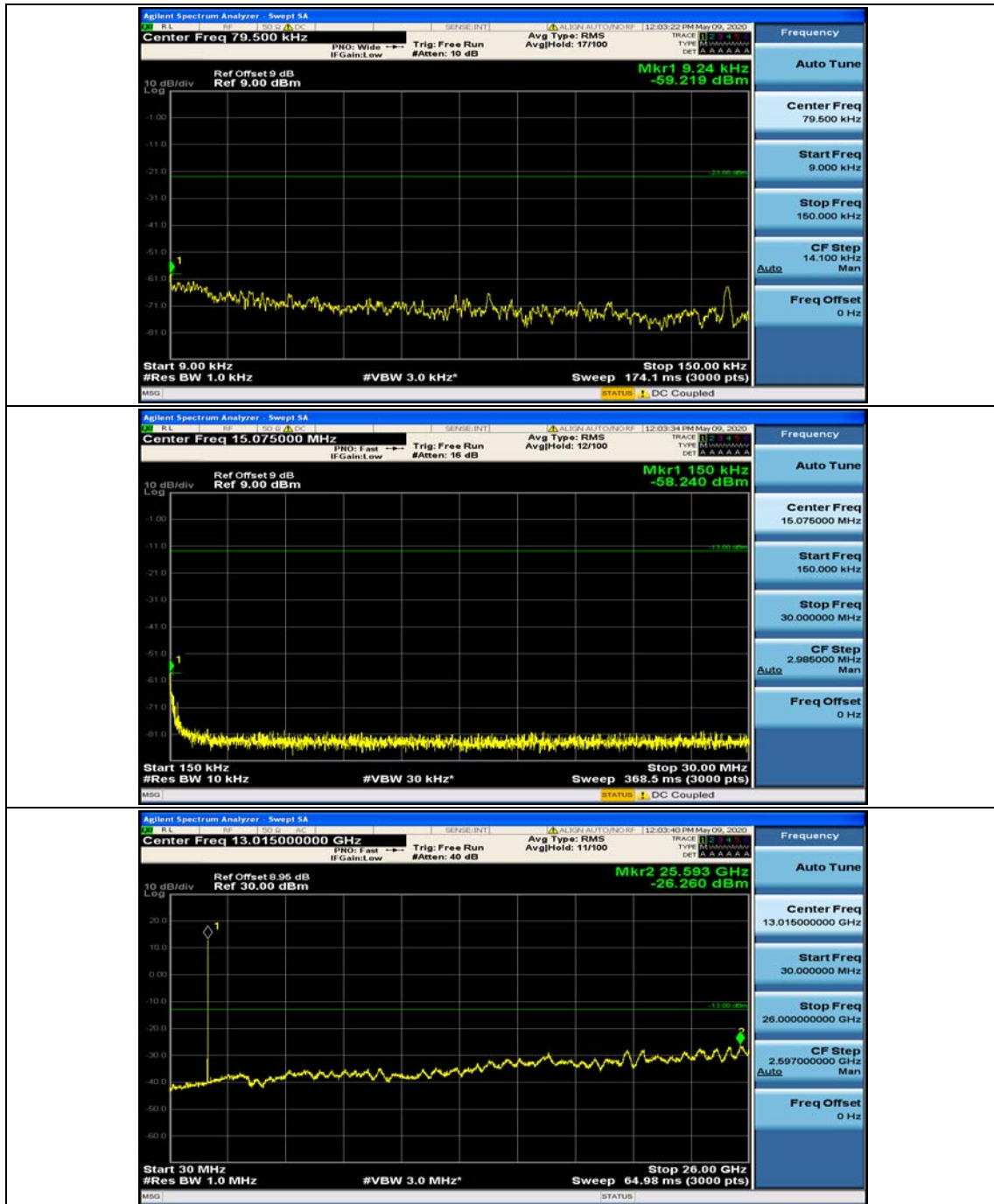


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



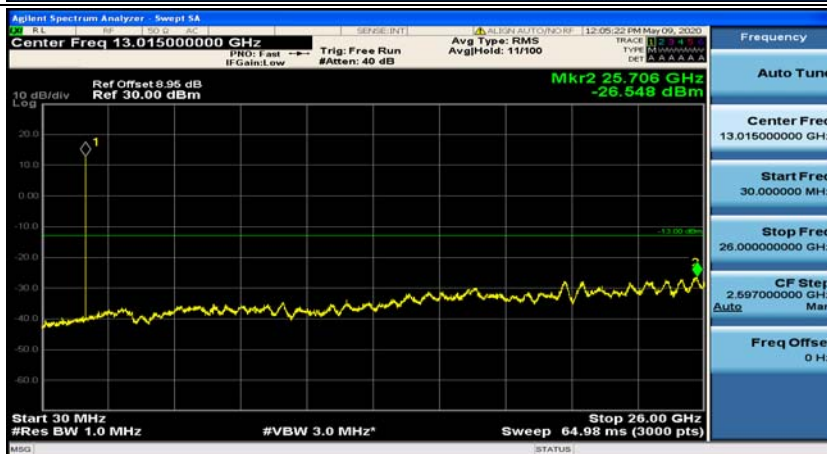
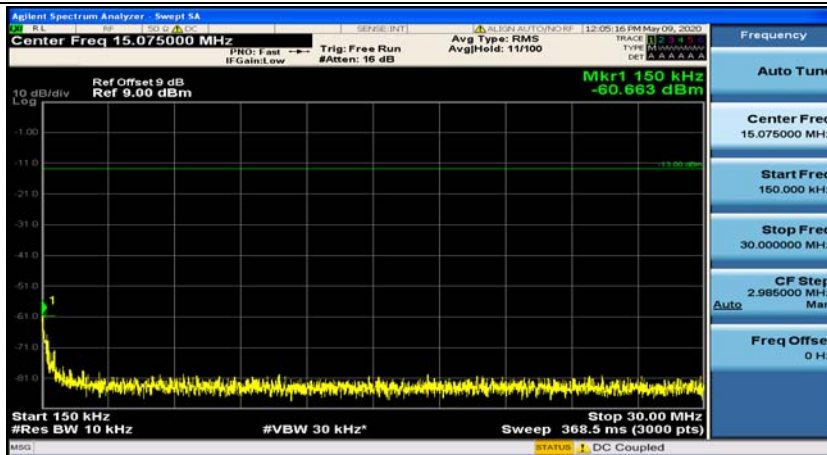
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



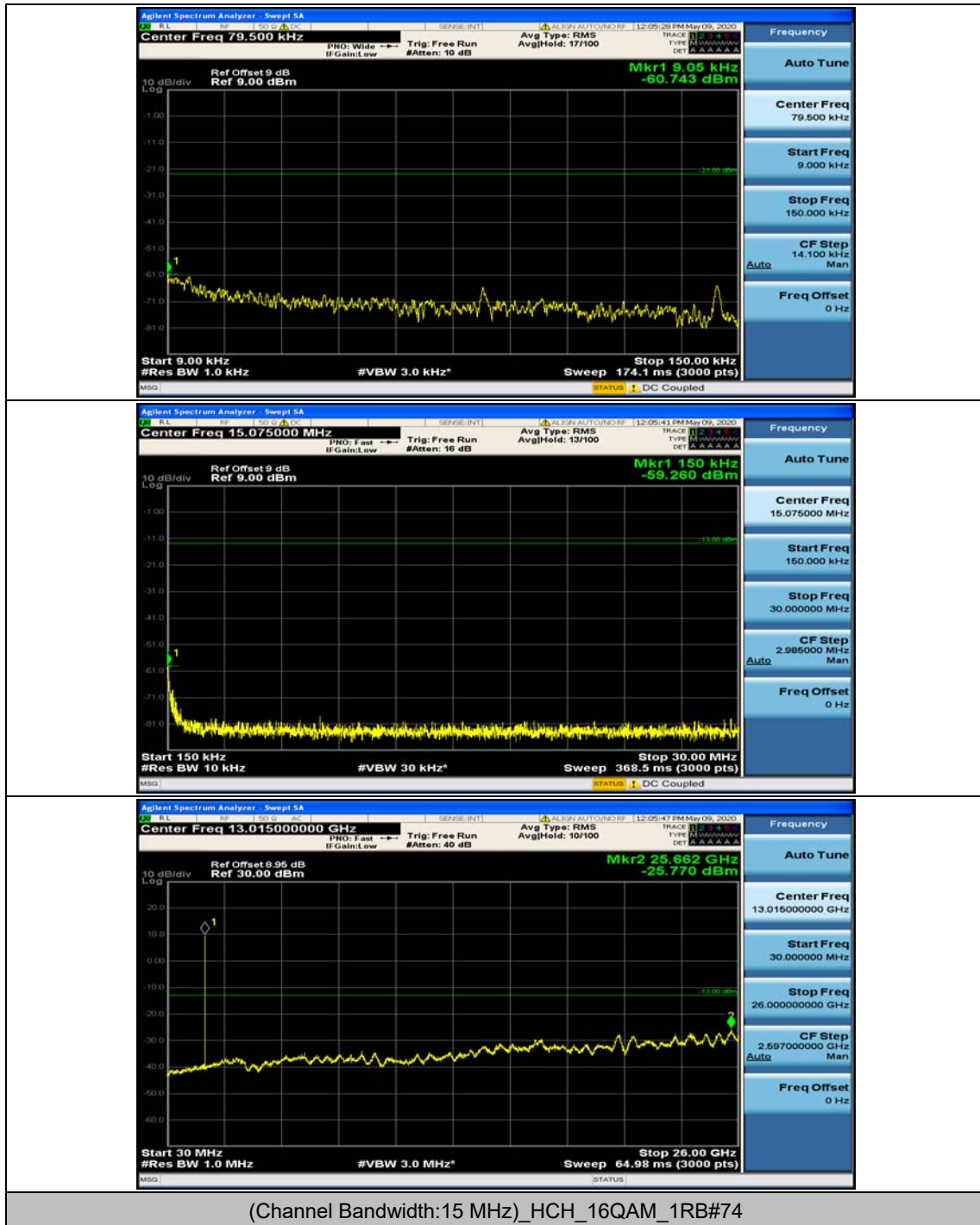


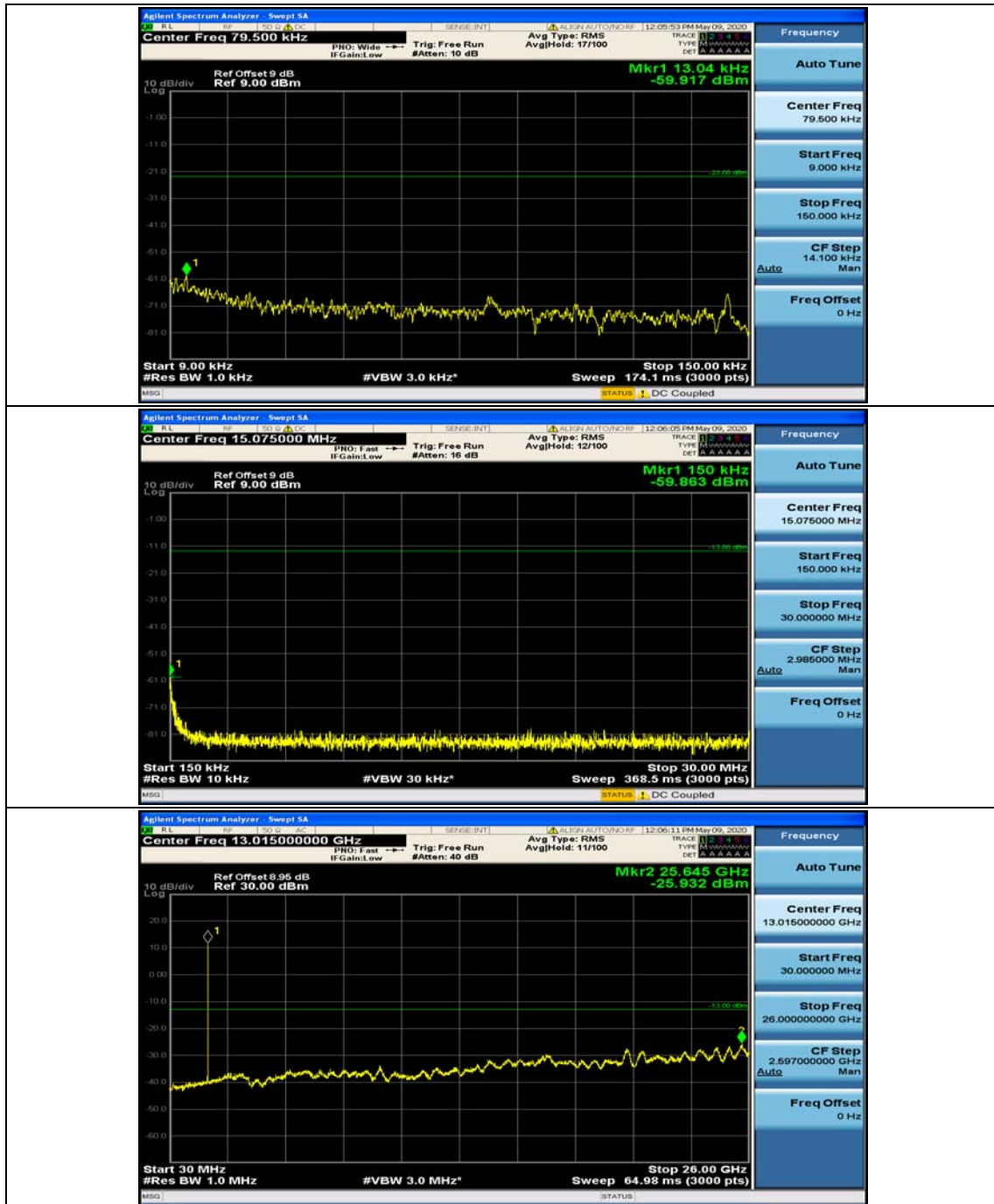


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



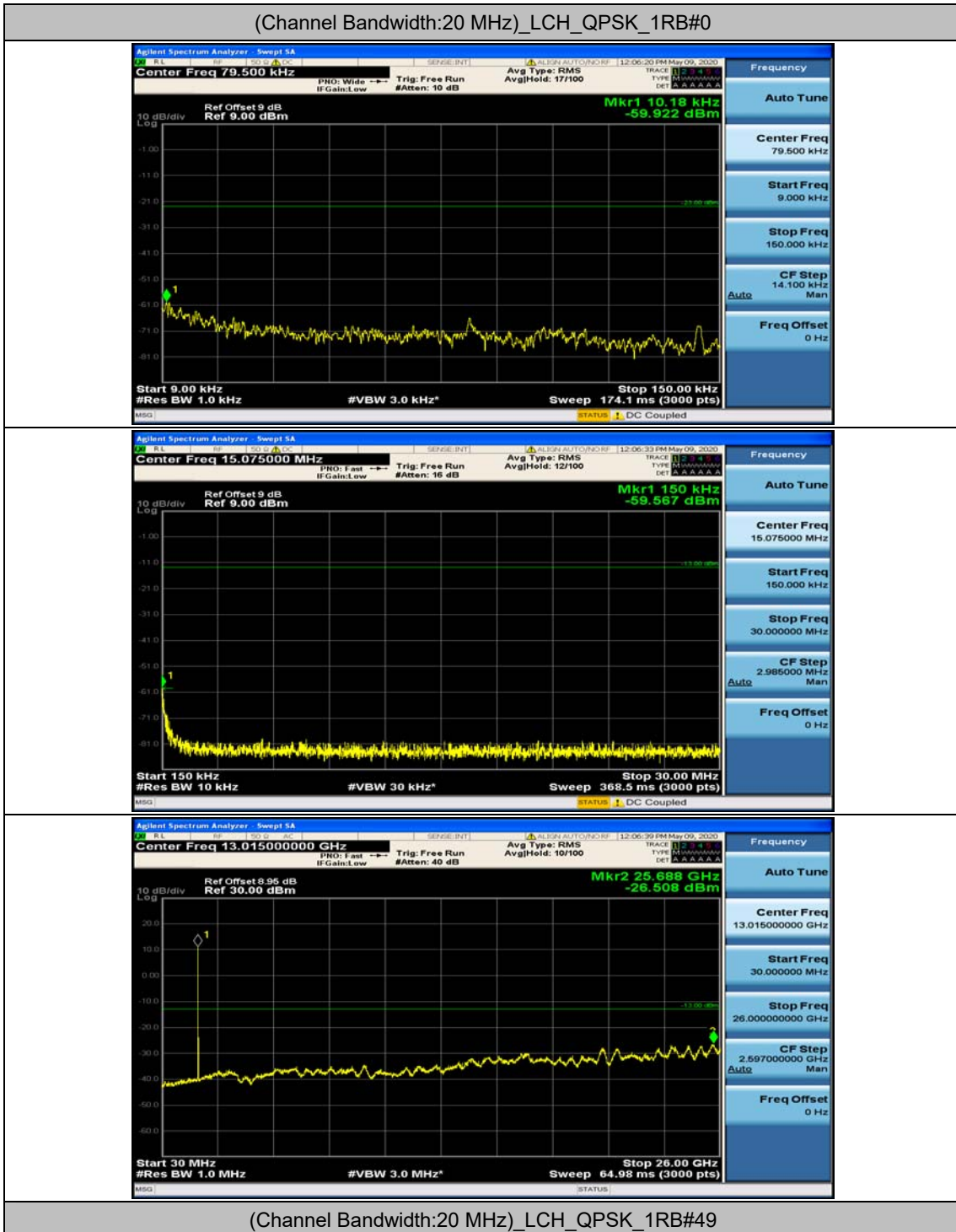
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

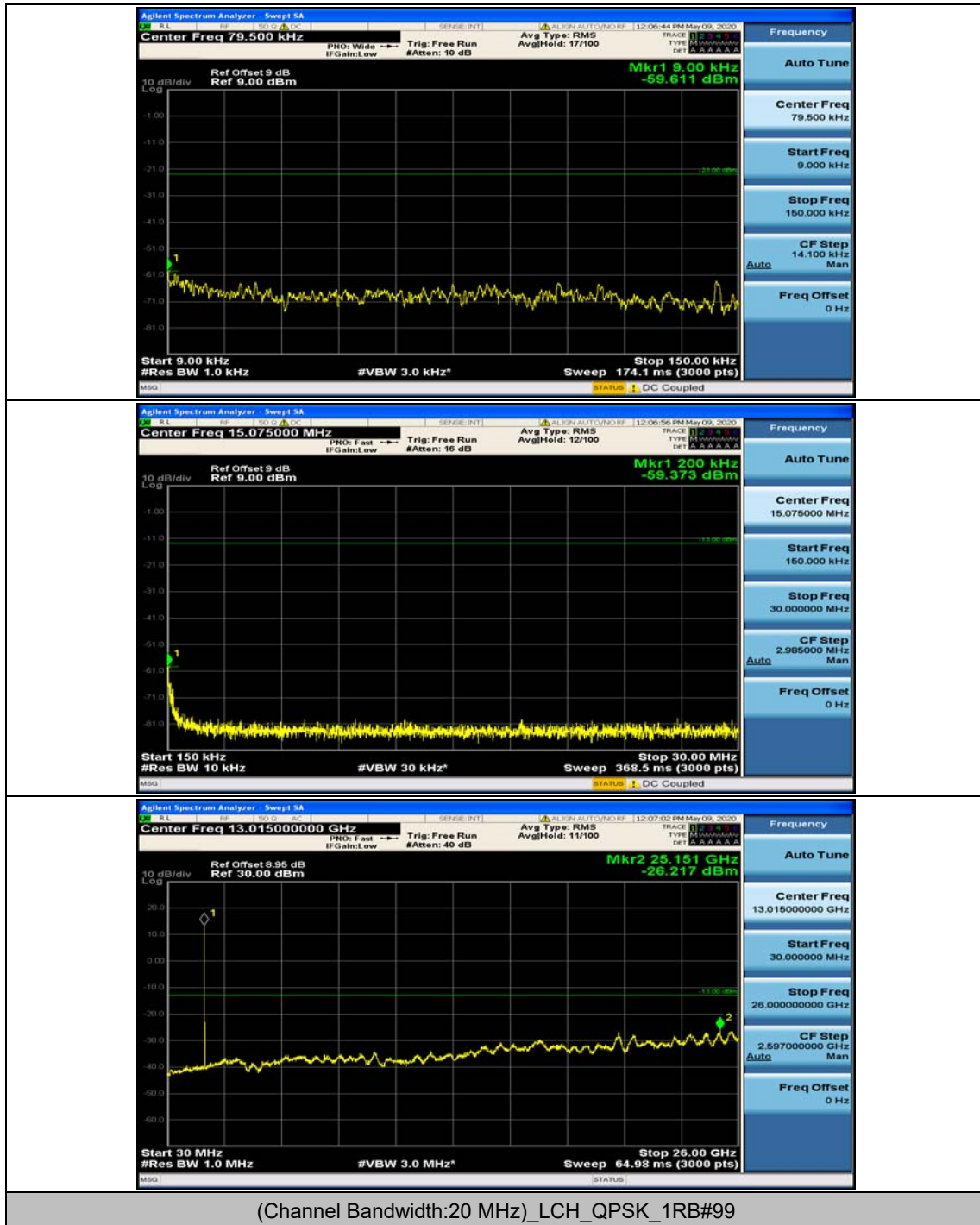


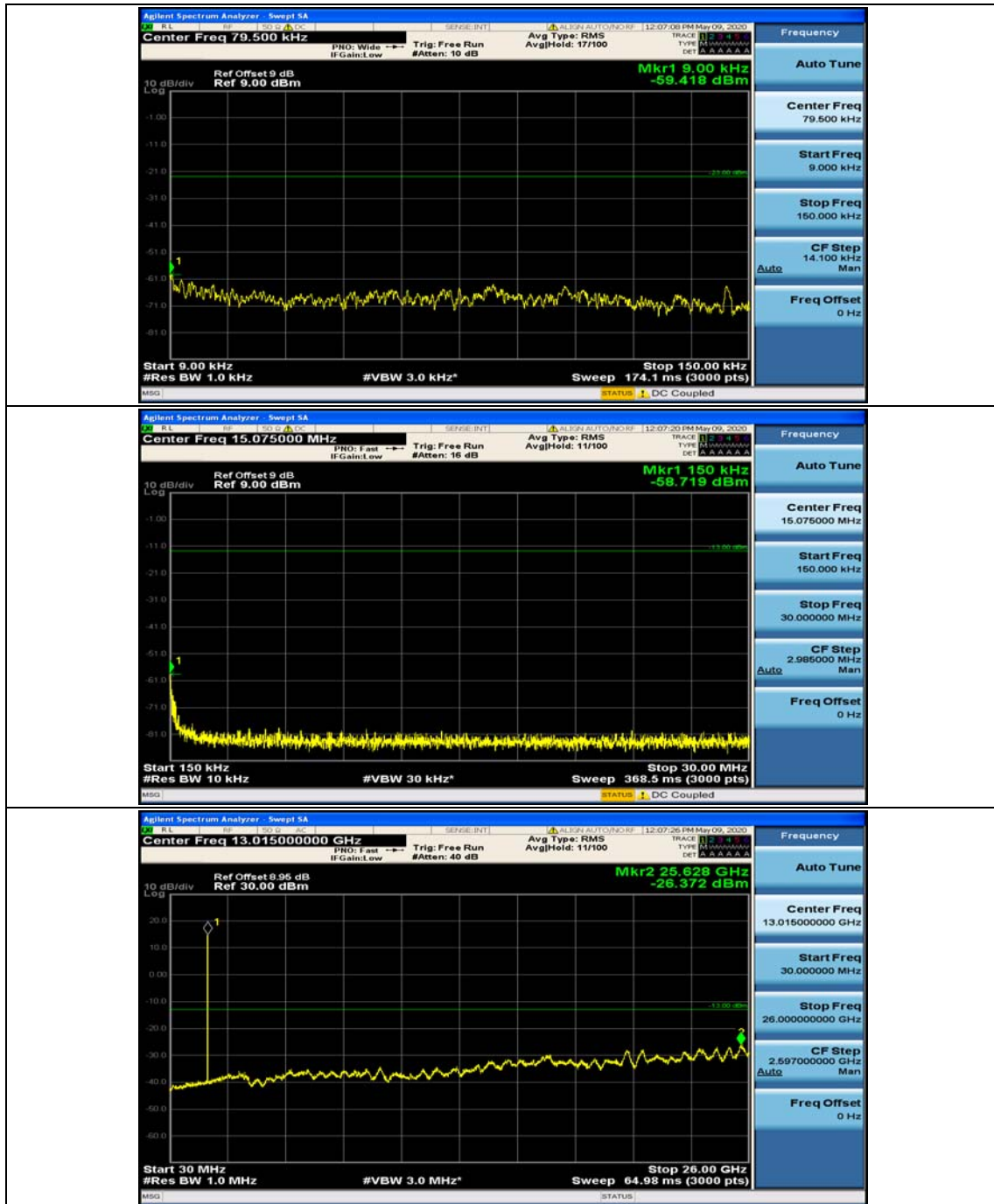




Channel Bandwidth: 20 MHz

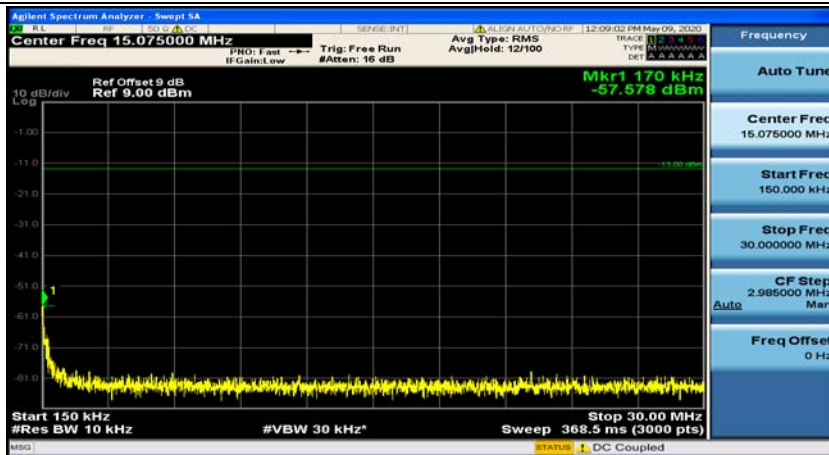
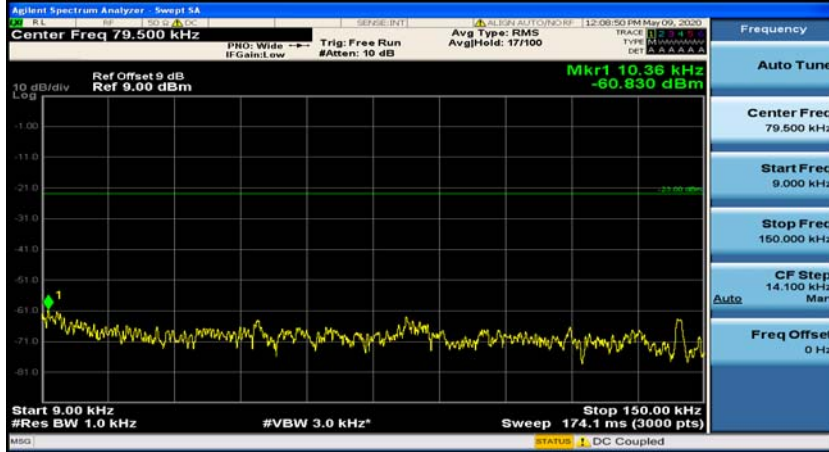




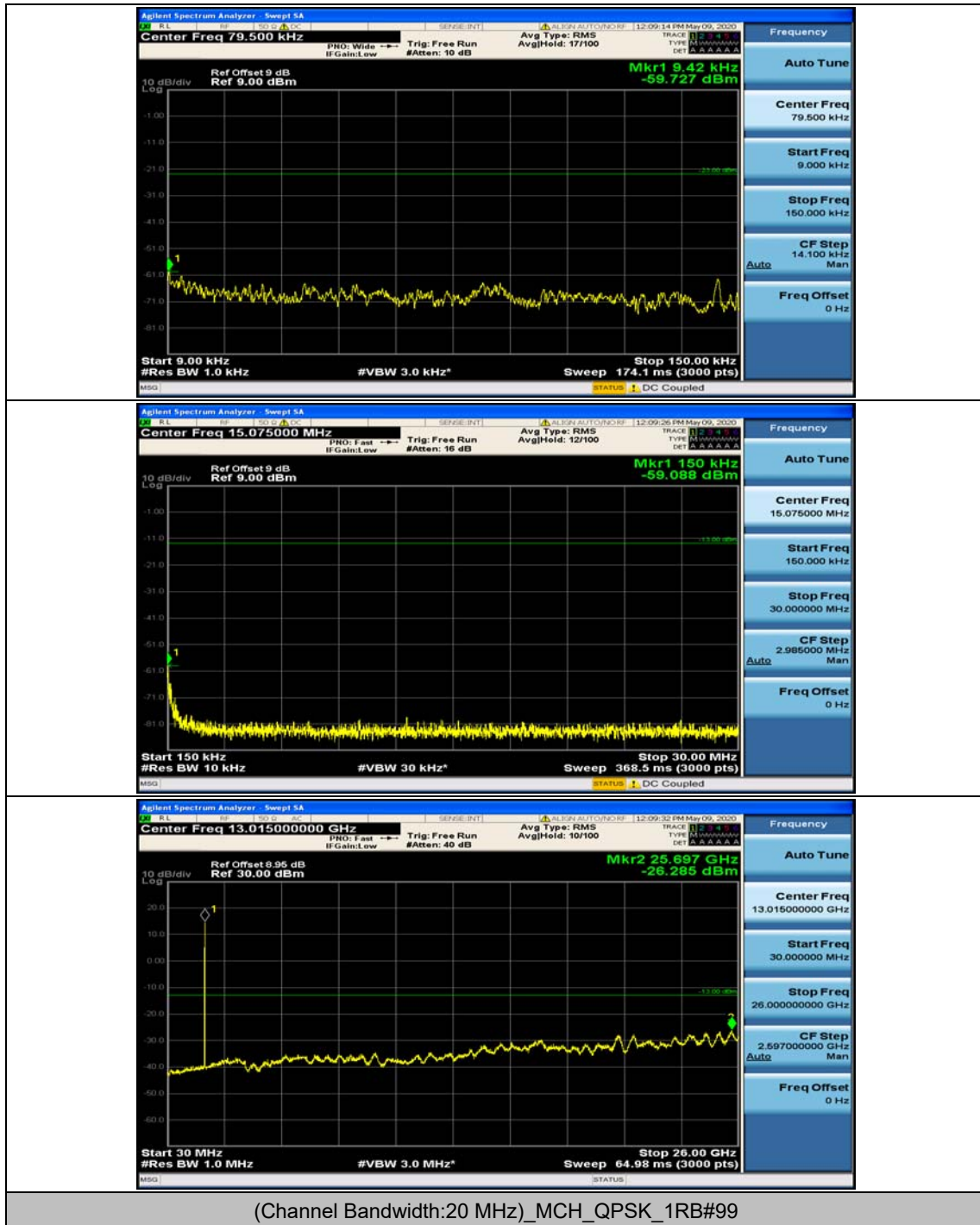


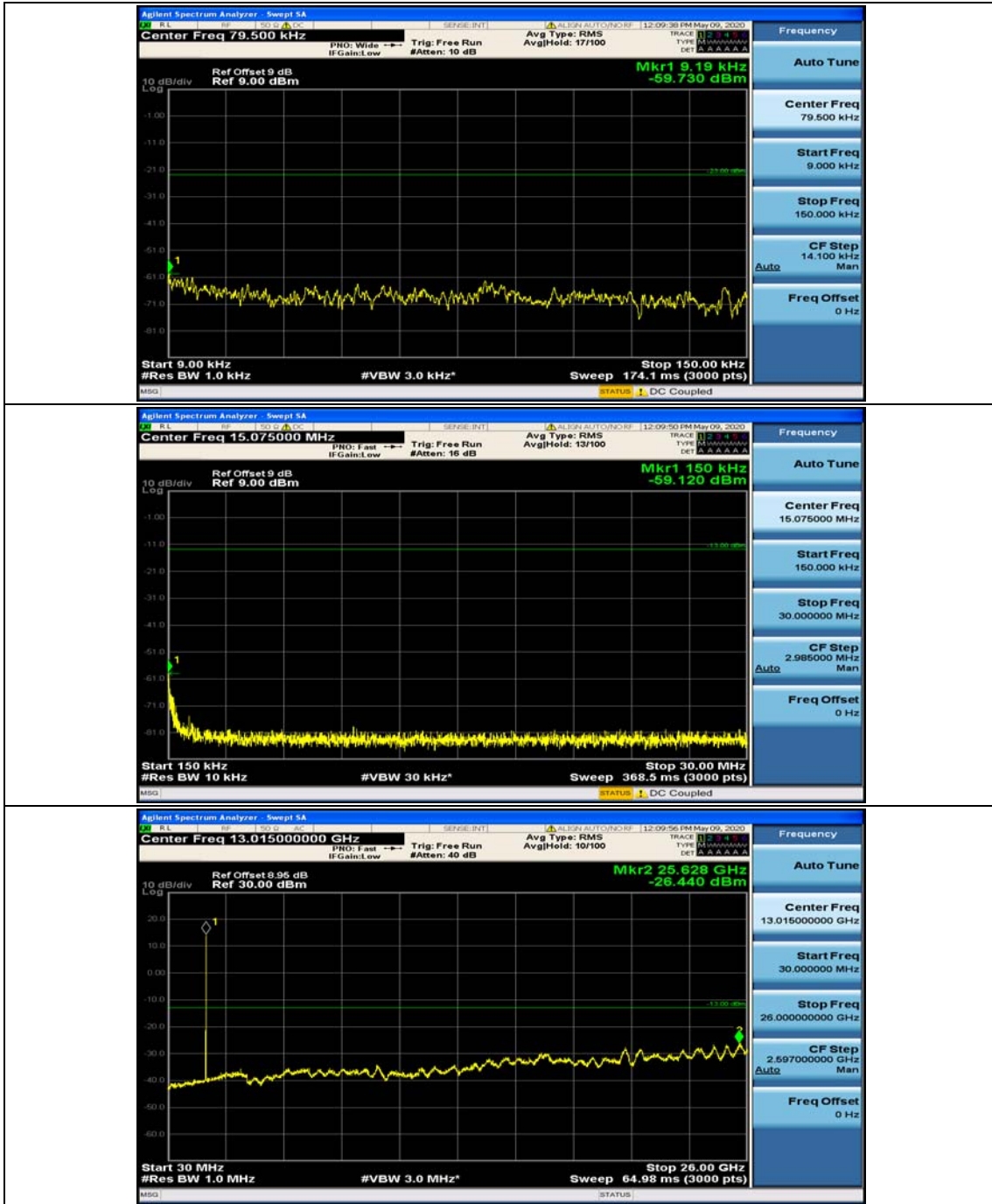


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



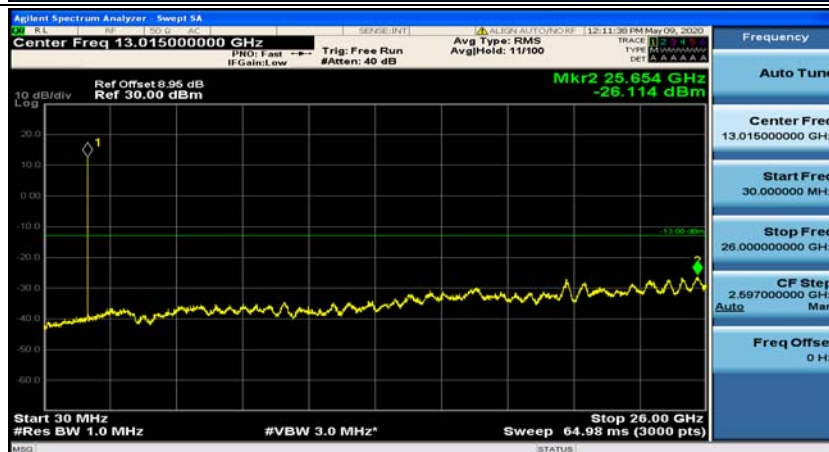
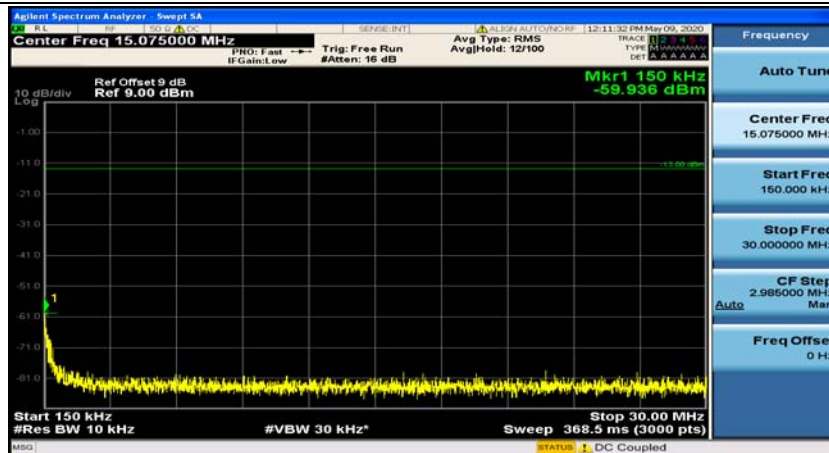
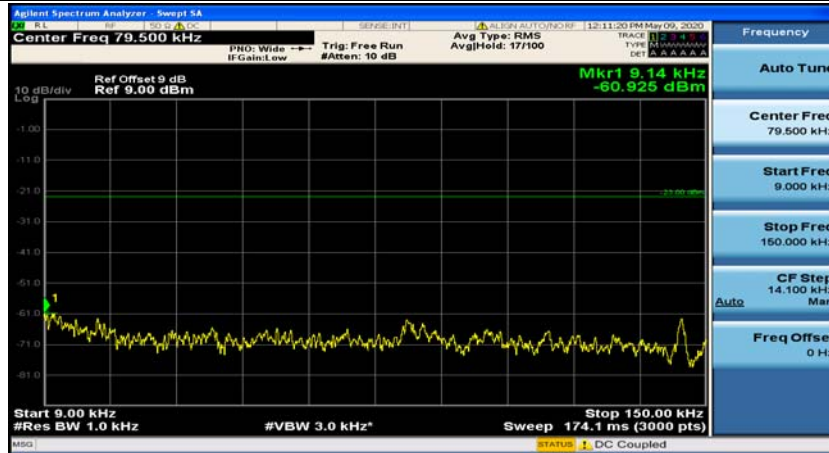
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



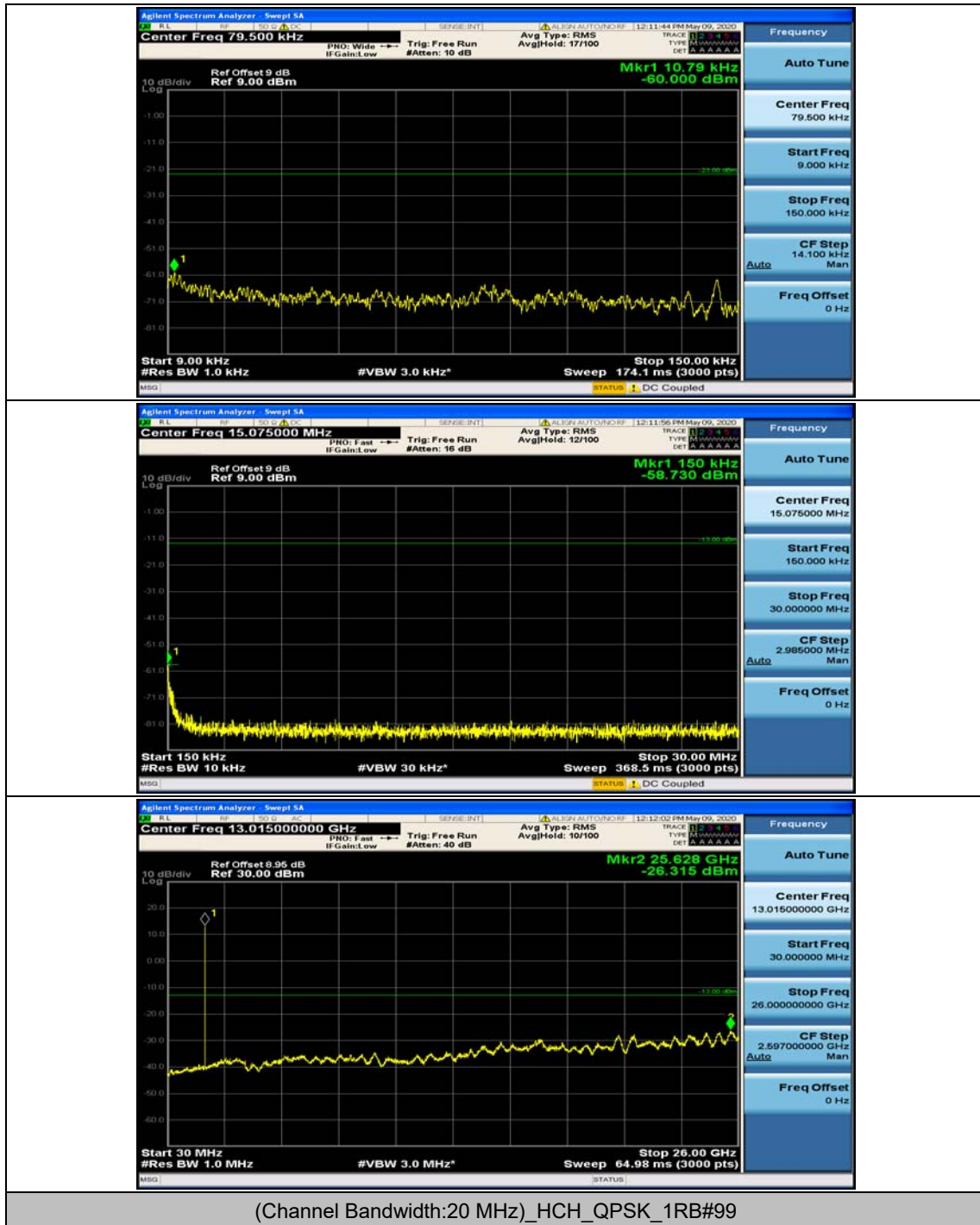


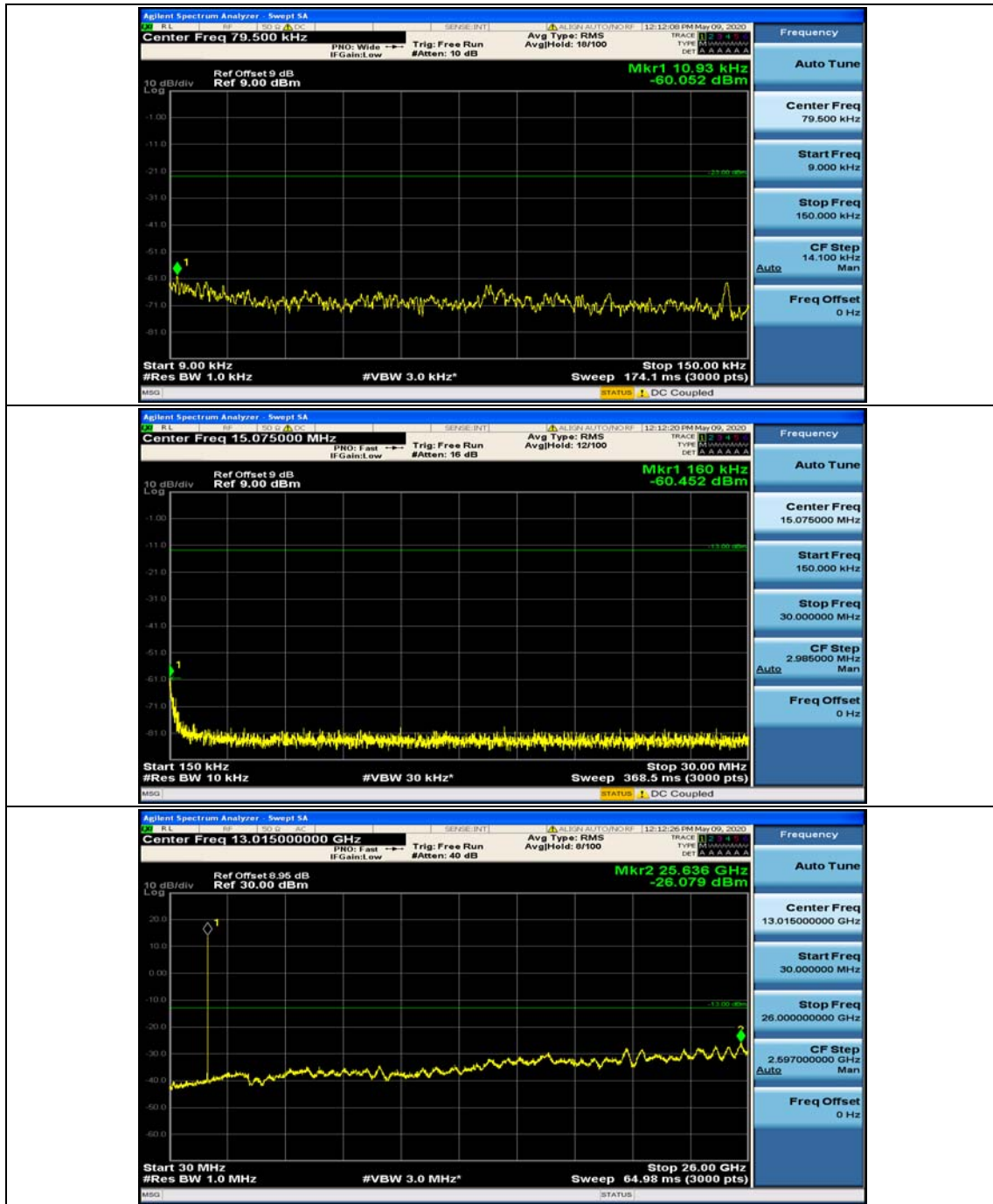


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



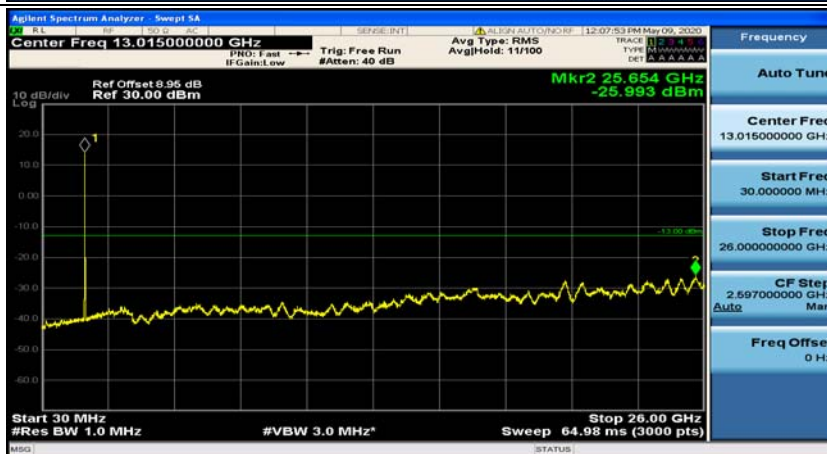
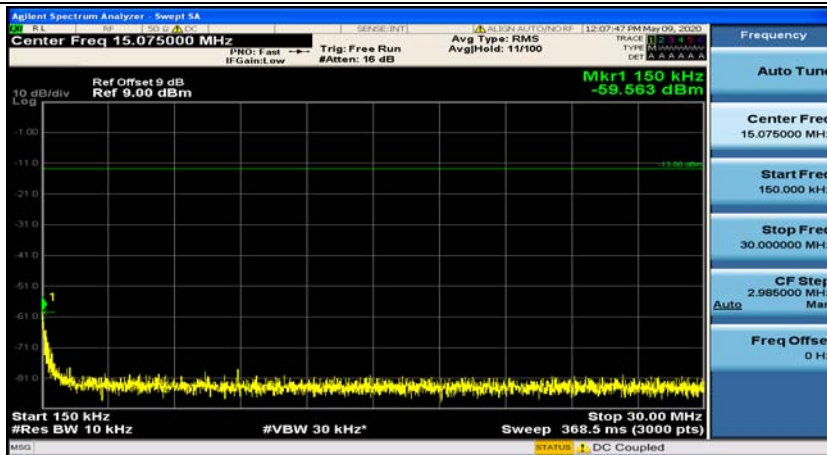
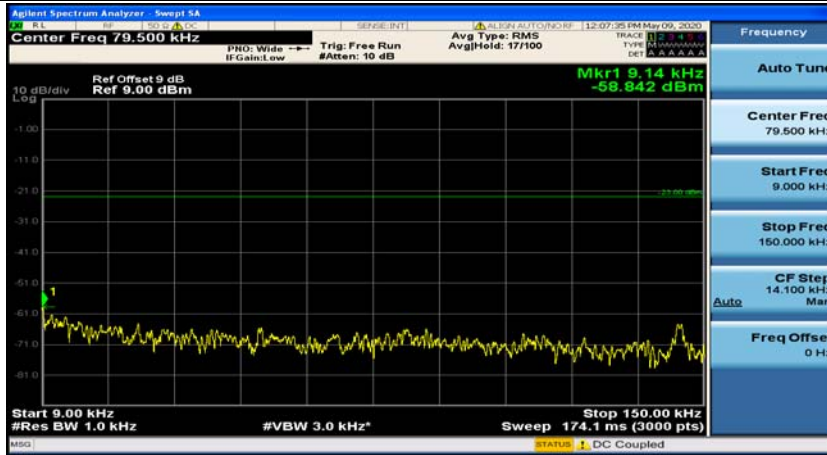
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



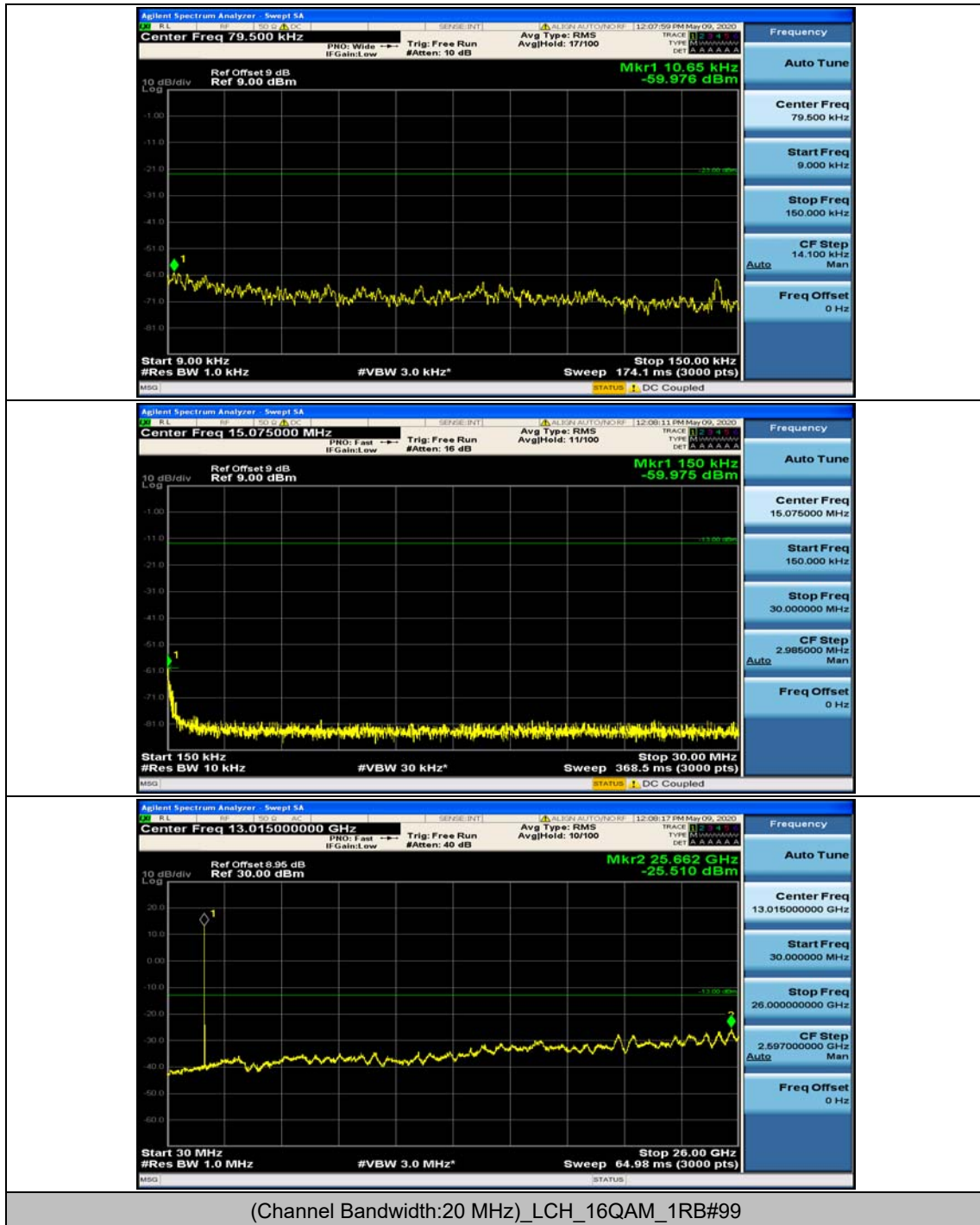


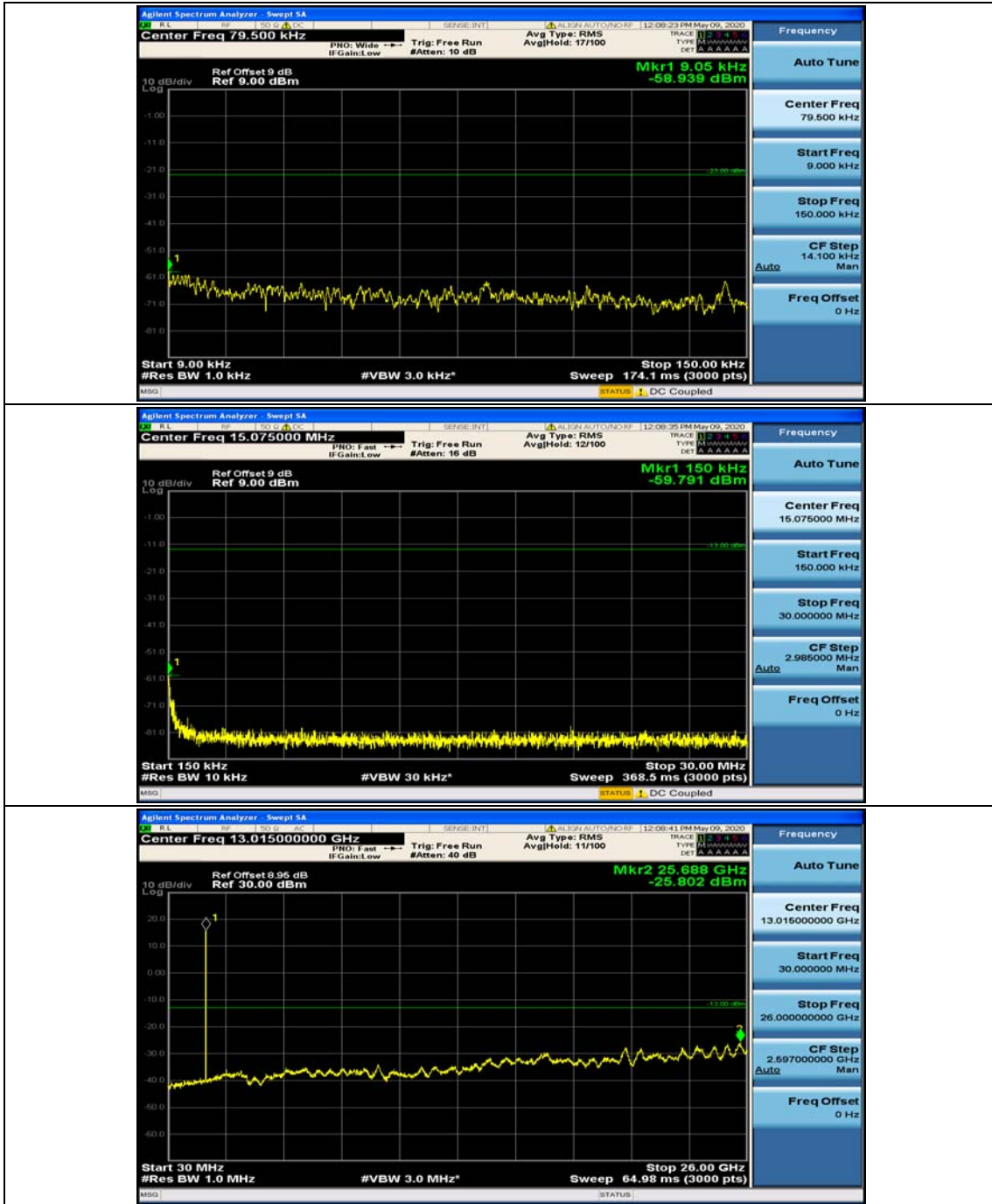


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



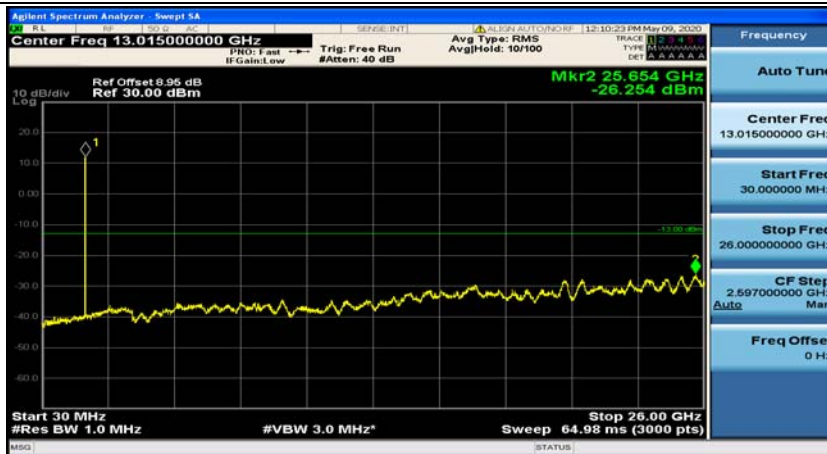
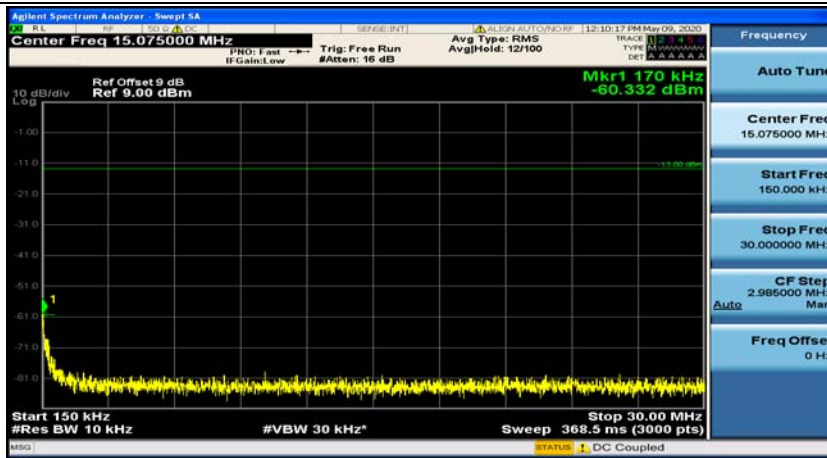
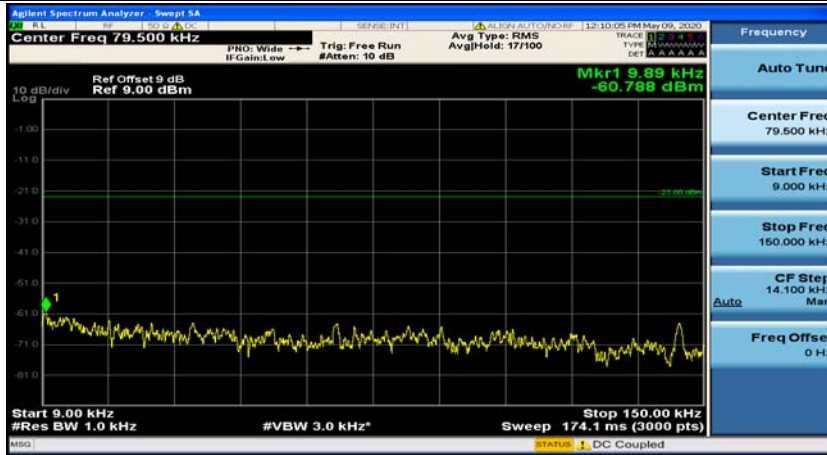
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



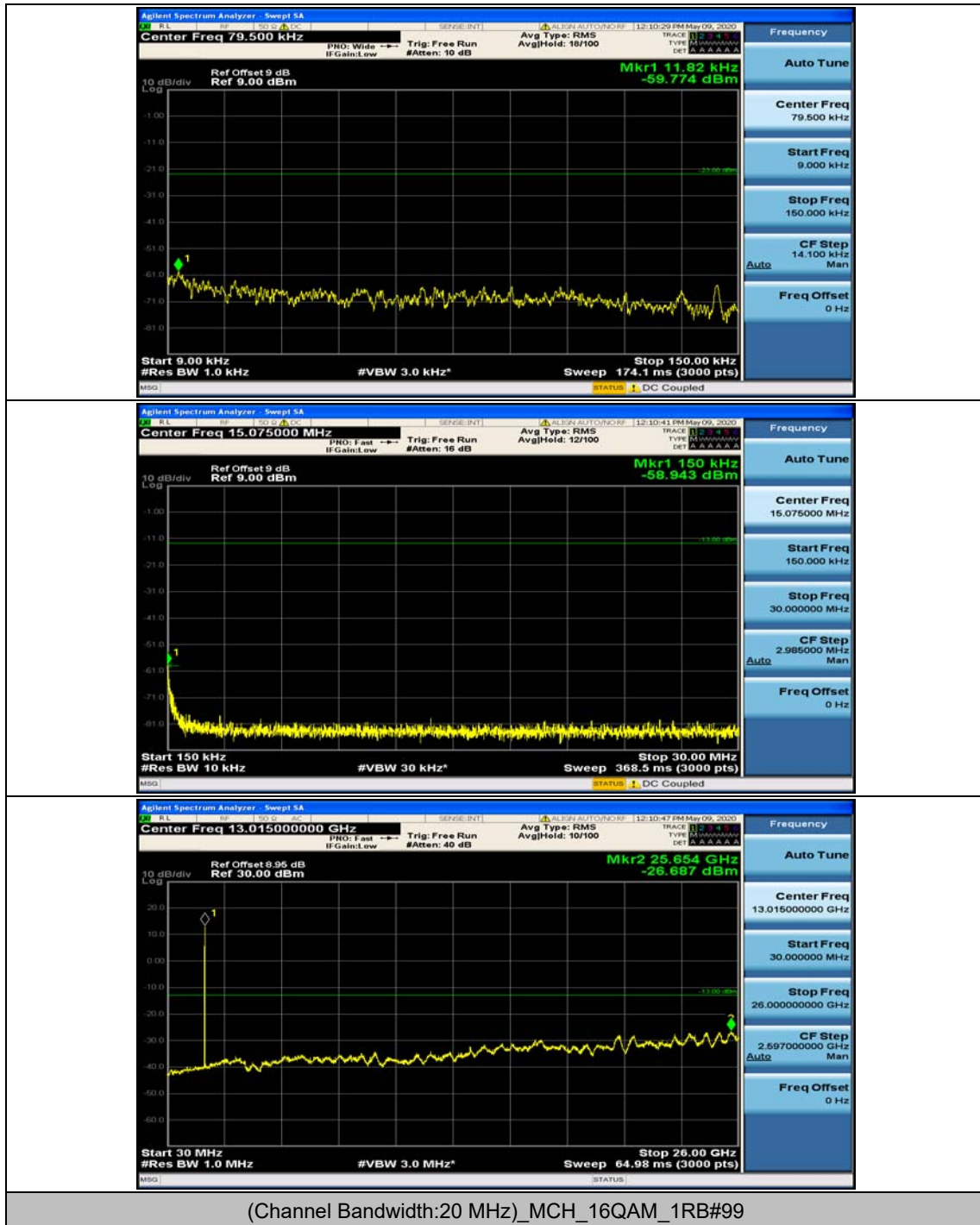


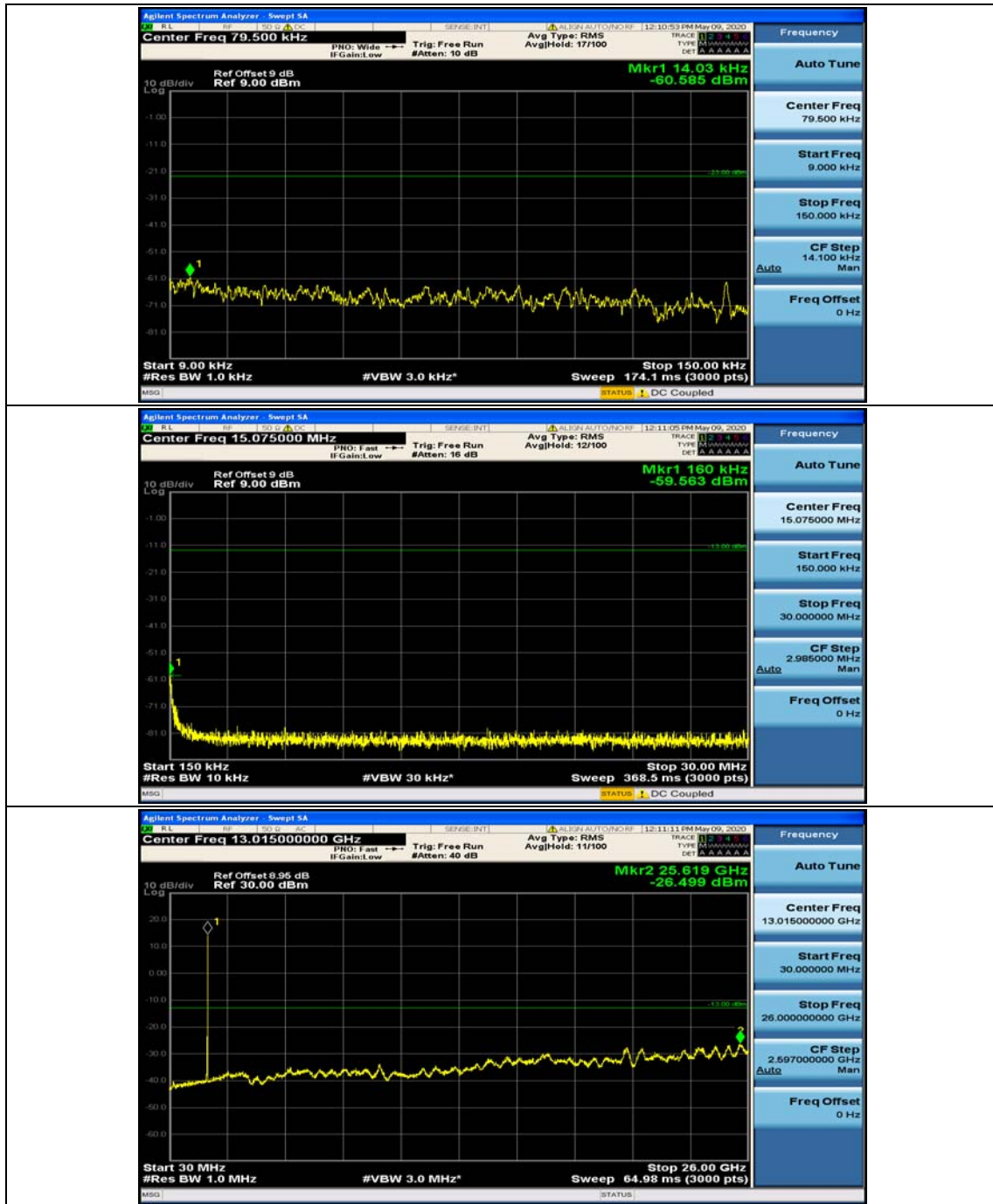


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



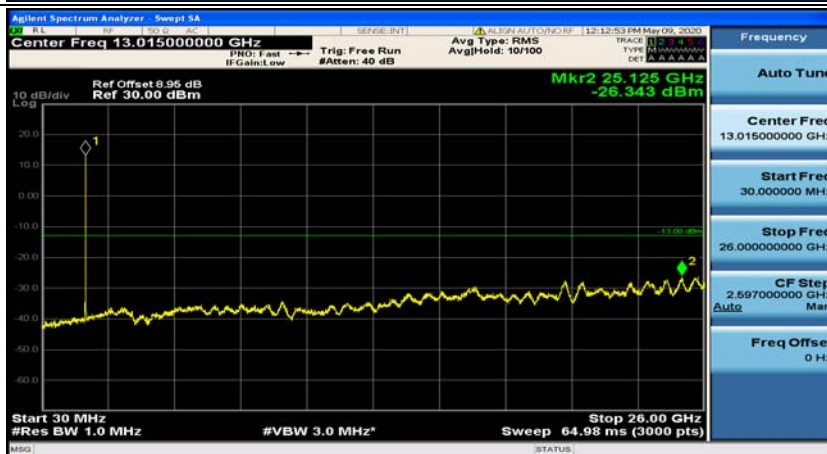
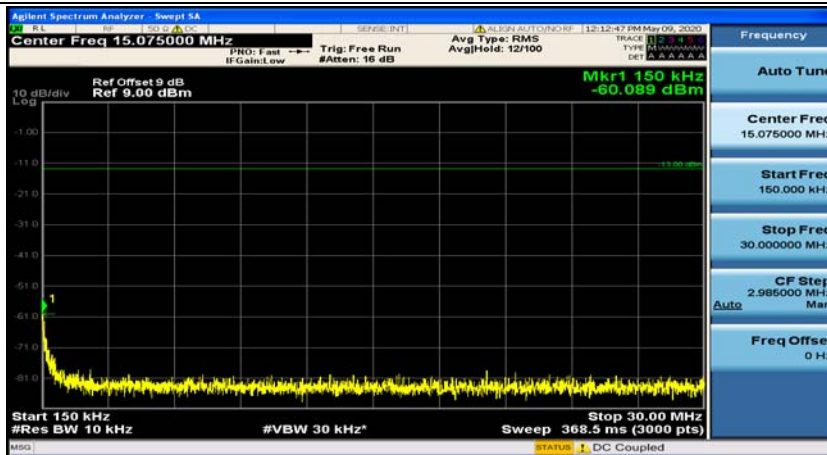
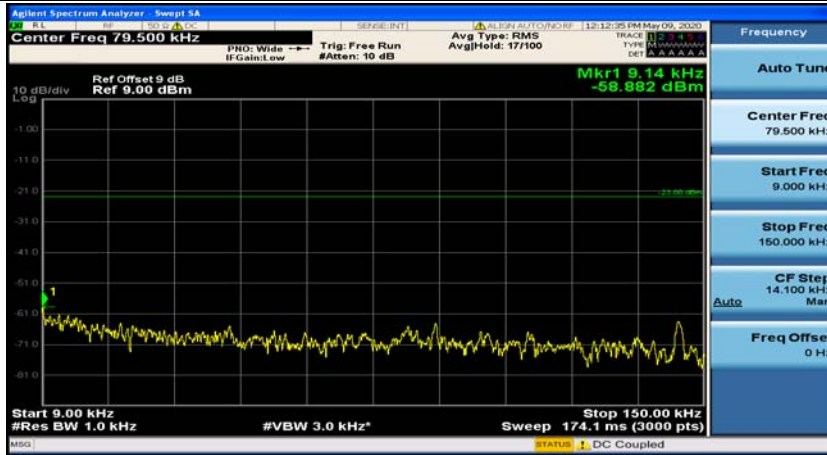
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



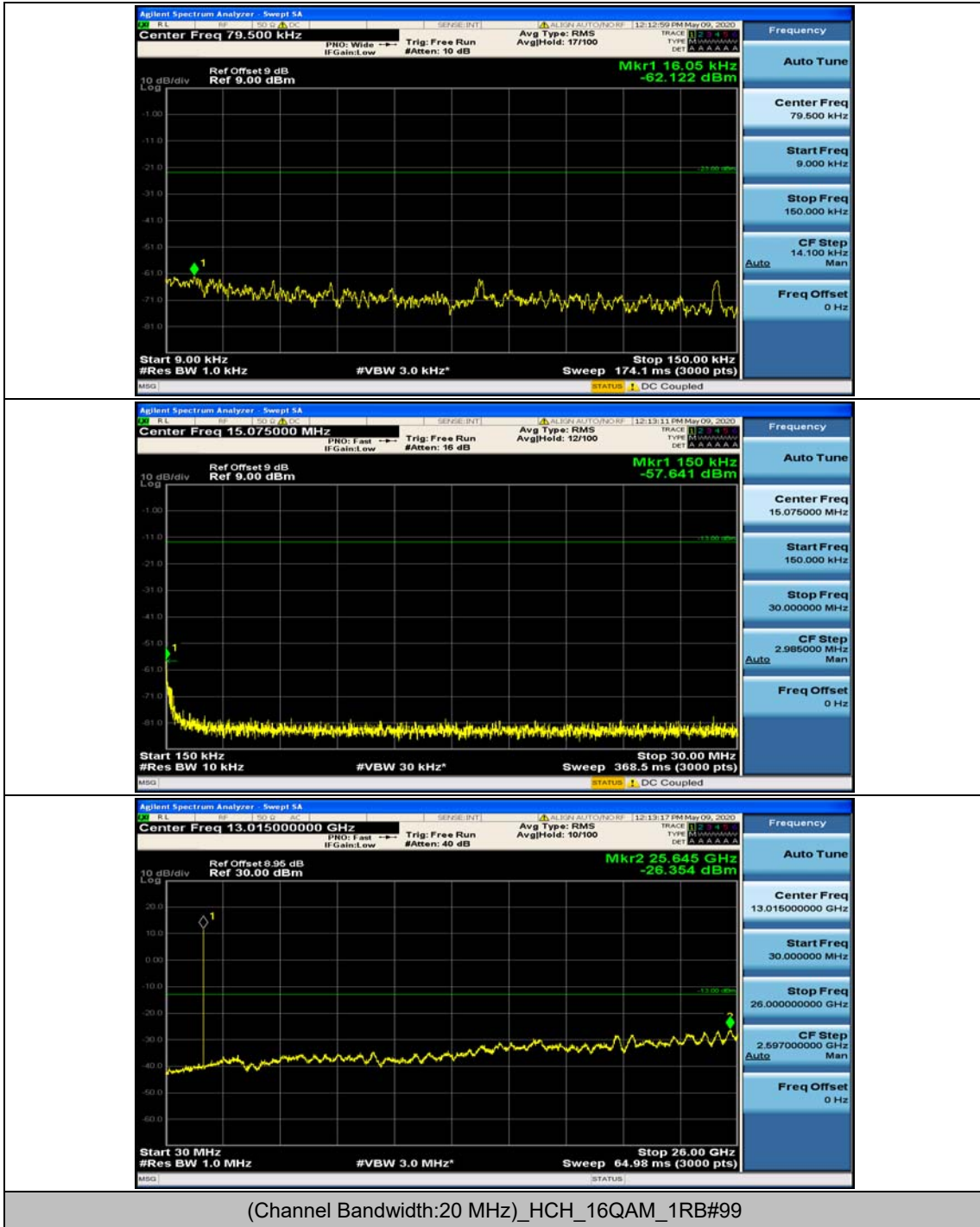


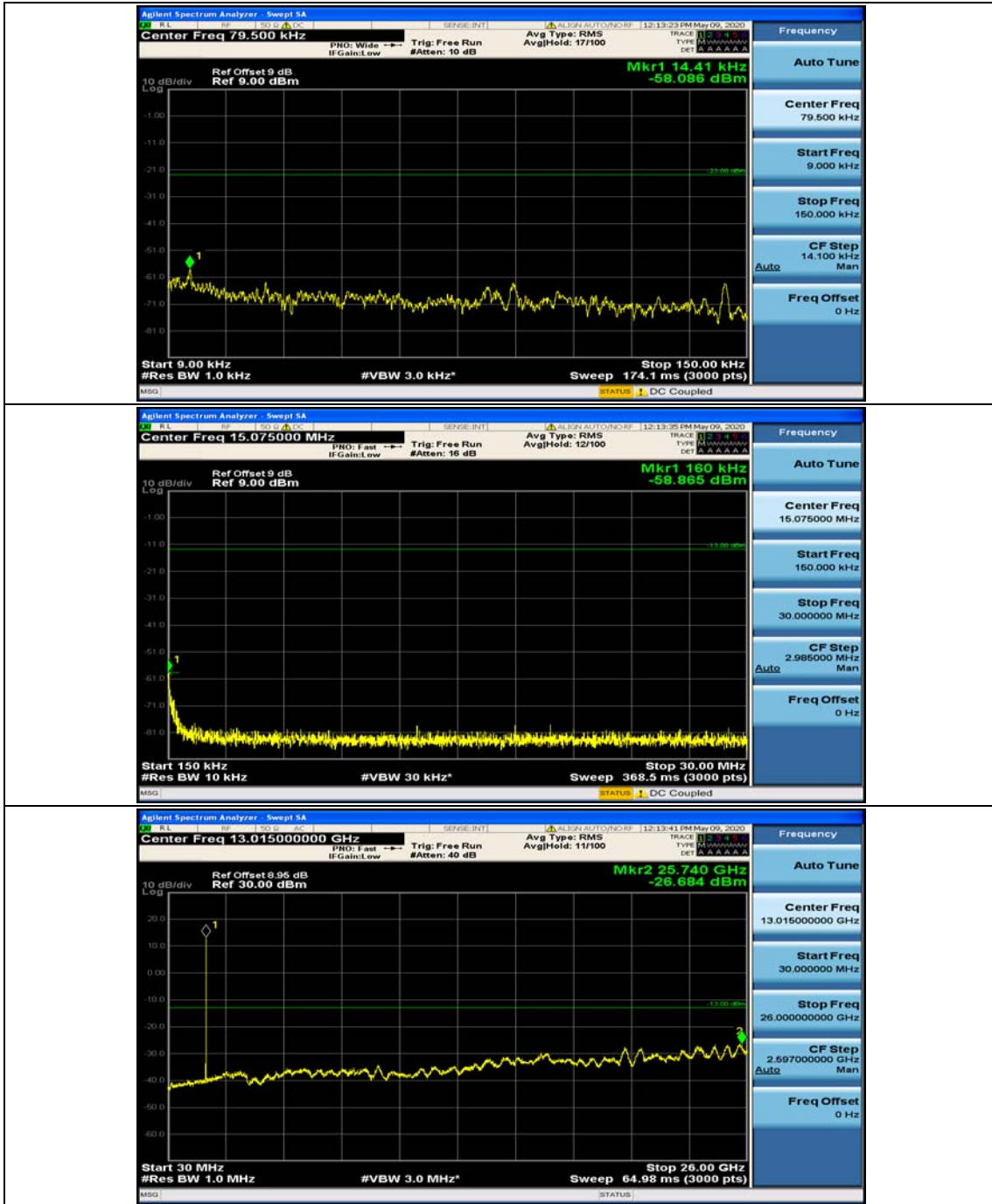


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	3.42	0.001999	± 2.5	PASS
		VN	TN	-0.53	-0.000310	± 2.5	PASS
		VH	TN	1.14	0.000666	± 2.5	PASS
	MCH	VL	TN	4.15	0.002395	± 2.5	PASS
		VN	TN	1.25	0.000722	± 2.5	PASS
		VH	TN	4.34	0.002505	± 2.5	PASS
	HCH	VL	TN	0.59	0.000336	± 2.5	PASS
		VN	TN	4.88	0.002782	± 2.5	PASS
		VH	TN	-0.31	-0.000177	± 2.5	PASS
16QAM	LCH	VL	TN	-0.98	-0.000573	± 2.5	PASS
		VN	TN	3.65	0.002134	± 2.5	PASS
		VH	TN	-1.12	-0.000655	± 2.5	PASS
	MCH	VL	TN	0.28	0.000162	± 2.5	PASS
		VN	TN	1.75	0.001010	± 2.5	PASS
		VH	TN	1.98	0.001143	± 2.5	PASS
	HCH	VL	TN	1.24	0.000707	± 2.5	PASS
		VN	TN	0.95	0.000542	± 2.5	PASS
		VH	TN	4.03	0.002297	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.16	0.002432	± 2.5	PASS
		VN	-20	2.72	0.001590	± 2.5	PASS
		VN	-10	-1.31	-0.000766	± 2.5	PASS
		VN	0	-0.25	-0.000146	± 2.5	PASS
		VN	10	0.79	0.000462	± 2.5	PASS
		VN	20	0.17	0.000099	± 2.5	PASS
		VN	30	1.15	0.000672	± 2.5	PASS
		VN	40	2.92	0.001707	± 2.5	PASS
	MCH	VN	-30	3.41	0.001968	± 2.5	PASS
		VN	-20	1.29	0.000745	± 2.5	PASS



		VN	-10	-1.13	-0.000652	± 2.5	PASS		
		VN	0	3.58	0.002066	± 2.5	PASS		
		VN	10	-1.27	-0.000733	± 2.5	PASS		
		VN	20	3.97	0.002291	± 2.5	PASS		
		VN	30	1.67	0.000964	± 2.5	PASS		
		VN	40	0.44	0.000254	± 2.5	PASS		
		VN	50	1.71	0.000987	± 2.5	PASS		
	HCH	VN	-30	-1.81	-0.001032	± 2.5	PASS		
		VN	-20	-1.57	-0.000895	± 2.5	PASS		
		VN	-10	-1.41	-0.000804	± 2.5	PASS		
		VN	0	4.95	0.002822	± 2.5	PASS		
		VN	10	-1.61	-0.000918	± 2.5	PASS		
		VN	20	-1.82	-0.001037	± 2.5	PASS		
		VN	30	0.31	0.000177	± 2.5	PASS		
		VN	40	-0.64	-0.000365	± 2.5	PASS		
		VN	50	-1.22	-0.000695	± 2.5	PASS		
		16QAM	LCH	VN	-30	0.4	0.000234	± 2.5	PASS
				VN	-20	0.15	0.000088	± 2.5	PASS
VN	-10			-1.21	-0.000707	± 2.5	PASS		
VN	0			-1.82	-0.001064	± 2.5	PASS		
VN	10			-0.01	-0.000006	± 2.5	PASS		
VN	20			0.73	0.000427	± 2.5	PASS		
VN	30			4.33	0.002531	± 2.5	PASS		
VN	40			0.31	0.000181	± 2.5	PASS		
VN	50			0.02	0.000012	± 2.5	PASS		
MCH	VN		-30	4.46	0.002542	± 2.5	PASS		
	VN		-20	1.73	0.000986	± 2.5	PASS		
	VN		-10	3.71	0.002115	± 2.5	PASS		
	VN		0	4.13	0.002354	± 2.5	PASS		
	VN		10	4.19	0.002388	± 2.5	PASS		
	VN		20	-1.03	-0.000587	± 2.5	PASS		
	VN		30	3.95	0.002252	± 2.5	PASS		
	VN		40	-0.97	-0.000553	± 2.5	PASS		
	VN		50	0.43	0.000245	± 2.5	PASS		
HCH	VN		-30	-0.3	-0.000171	± 2.5	PASS		
	VN		-20	2.18	0.001243	± 2.5	PASS		
	VN		-10	-0.84	-0.000479	± 2.5	PASS		
	VN		0	-0.19	-0.000108	± 2.5	PASS		
	VN		10	0.52	0.000296	± 2.5	PASS		
	VN		20	-0.3	-0.000171	± 2.5	PASS		
	VN		30	2.94	0.001676	± 2.5	PASS		



		VN	40	-1.86	-0.001060	± 2.5	PASS
		VN	50	3.78	0.002155	± 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	3.52	0.002057	± 2.5	PASS
		VN	TN	1.06	0.000619	± 2.5	PASS
		VH	TN	2.78	0.001624	± 2.5	PASS
	MCH	VL	TN	1.54	0.000889	± 2.5	PASS
		VN	TN	4.47	0.002580	± 2.5	PASS
		VH	TN	3.03	0.001749	± 2.5	PASS
	HCH	VL	TN	3.93	0.002241	± 2.5	PASS
		VN	TN	0.18	0.000103	± 2.5	PASS
		VH	TN	-1.96	-0.001118	± 2.5	PASS
16QAM	LCH	VL	TN	3.39	0.001981	± 2.5	PASS
		VN	TN	1.81	0.001058	± 2.5	PASS
		VH	TN	-0.97	-0.000567	± 2.5	PASS
	MCH	VL	TN	4.78	0.002759	± 2.5	PASS
		VN	TN	1.34	0.000773	± 2.5	PASS
		VH	TN	4.36	0.002517	± 2.5	PASS
	HCH	VL	TN	2.84	0.001620	± 2.5	PASS
		VN	TN	2.54	0.001449	± 2.5	PASS
		VH	TN	-0.78	-0.000445	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.54	0.002068	± 2.5	PASS
		VN	-20	-0.46	-0.000269	± 2.5	PASS
		VN	-10	-0.39	-0.000228	± 2.5	PASS
		VN	0	-1.65	-0.000964	± 2.5	PASS
		VN	10	3.05	0.001782	± 2.5	PASS
		VN	20	-0.12	-0.000070	± 2.5	PASS
		VN	30	3.73	0.002179	± 2.5	PASS
		VN	40	4.81	0.002810	± 2.5	PASS
		VN	50	0.16	0.000093	± 2.5	PASS
	MCH	VN	-30	1.56	0.000900	± 2.5	PASS
		VN	-20	3	0.001732	± 2.5	PASS
		VN	-10	3.35	0.001934	± 2.5	PASS



		VN	0	1.51	0.000872	± 2.5	PASS		
		VN	10	0.74	0.000427	± 2.5	PASS		
		VN	20	1.43	0.000825	± 2.5	PASS		
		VN	30	2.32	0.001339	± 2.5	PASS		
		VN	40	4.41	0.002545	± 2.5	PASS		
		VN	50	2.06	0.001189	± 2.5	PASS		
	HCH	VN	-30	1.33	0.000758	± 2.5	PASS		
		VN	-20	0.65	0.000371	± 2.5	PASS		
		VN	-10	0.82	0.000468	± 2.5	PASS		
		VN	0	2.04	0.001163	± 2.5	PASS		
		VN	10	4.26	0.002429	± 2.5	PASS		
		VN	20	-1.18	-0.000673	± 2.5	PASS		
		VN	30	1.11	0.000633	± 2.5	PASS		
		VN	40	-0.46	-0.000262	± 2.5	PASS		
		VN	50	2.25	0.001283	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.59	-0.000918	± 2.5	PASS
				VN	-20	-0.04	-0.000023	± 2.5	PASS
				VN	-10	4.73	0.002730	± 2.5	PASS
VN	0			-1.64	-0.000947	± 2.5	PASS		
VN	10			2.49	0.001437	± 2.5	PASS		
VN	20			1.48	0.000854	± 2.5	PASS		
VN	30			2.62	0.001512	± 2.5	PASS		
VN	40			-0.06	-0.000035	± 2.5	PASS		
VN	50			-0.73	-0.000421	± 2.5	PASS		
MCH	VN		-30	1	0.000570	± 2.5	PASS		
	VN		-20	2.37	0.001352	± 2.5	PASS		
	VN		-10	0.23	0.000131	± 2.5	PASS		
	VN		0	2	0.001141	± 2.5	PASS		
	VN		10	-1.39	-0.000793	± 2.5	PASS		
	VN		20	1.43	0.000816	± 2.5	PASS		
	VN		30	3.09	0.001762	± 2.5	PASS		
	VN		40	1.41	0.000804	± 2.5	PASS		
	VN		50	0.44	0.000251	± 2.5	PASS		
HCH	VN		-30	-0.46	-0.000262	± 2.5	PASS		
	VN		-20	3.05	0.001739	± 2.5	PASS		
	VN		-10	3.8	0.002167	± 2.5	PASS		
	VN		0	0.77	0.000439	± 2.5	PASS		
	VN		10	-1.44	-0.000821	± 2.5	PASS		
	VN		20	1.76	0.001004	± 2.5	PASS		
	VN		30	2.11	0.001203	± 2.5	PASS		
	VN		40	-1.27	-0.000724	± 2.5	PASS		



		VN	50	3.65	0.002082	± 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	3.46	0.002020	± 2.5	PASS
		VN	TN	-1.09	-0.000636	± 2.5	PASS
		VH	TN	3.78	0.002207	± 2.5	PASS
	MCH	VL	TN	0.71	0.000410	± 2.5	PASS
		VN	TN	2.23	0.001287	± 2.5	PASS
		VH	TN	3	0.001732	± 2.5	PASS
	HCH	VL	TN	2.67	0.001524	± 2.5	PASS
		VN	TN	1.93	0.001101	± 2.5	PASS
		VH	TN	0	0.000000	± 2.5	PASS
16QAM	LCH	VL	TN	-0.22	-0.000128	± 2.5	PASS
		VN	TN	-1.7	-0.000993	± 2.5	PASS
		VH	TN	-0.33	-0.000193	± 2.5	PASS
	MCH	VL	TN	-0.06	-0.000035	± 2.5	PASS
		VN	TN	3.5	0.002020	± 2.5	PASS
		VH	TN	-0.03	-0.000017	± 2.5	PASS
	HCH	VL	TN	3.93	0.002243	± 2.5	PASS
		VN	TN	1.88	0.001073	± 2.5	PASS
		VH	TN	2.86	0.001632	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.85	0.001664	± 2.5	PASS
		VN	-20	-1.18	-0.000689	± 2.5	PASS
		VN	-10	1.47	0.000858	± 2.5	PASS
		VN	0	2.68	0.001565	± 2.5	PASS
		VN	10	-0.38	-0.000222	± 2.5	PASS
		VN	20	3.72	0.002172	± 2.5	PASS
		VN	30	-1.52	-0.000888	± 2.5	PASS
		VN	40	-1.89	-0.001104	± 2.5	PASS
		VN	50	3.66	0.002137	± 2.5	PASS
	MCH	VN	-30	-1.76	-0.001016	± 2.5	PASS
		VN	-20	4.96	0.002863	± 2.5	PASS
		VN	-10	3.21	0.001853	± 2.5	PASS
		VN	0	0.54	0.000312	± 2.5	PASS



		VN	10	2.32	0.001339	± 2.5	PASS
		VN	20	-1.48	-0.000854	± 2.5	PASS
		VN	30	0.8	0.000462	± 2.5	PASS
		VN	40	2.74	0.001582	± 2.5	PASS
		VN	50	-1.23	-0.000710	± 2.5	PASS
	HCH	VN	-30	-0.68	-0.000388	± 2.5	PASS
		VN	-20	1.74	0.000912	± 2.5	PASS
		VN	-10	0.14	0.000073	± 2.5	PASS
		VN	0	-0.21	-0.000110	± 2.5	PASS
		VN	10	1.07	0.000561	± 2.5	PASS
		VN	20	-0.77	-0.000404	± 2.5	PASS
		VN	30	0.74	0.000388	± 2.5	PASS
		VN	40	4.66	0.002443	± 2.5	PASS
		VN	50	-0.2	-0.000105	± 2.5	PASS
		16QAM	LCH	VN	-30	3.07	0.001772
VN	-20			0.64	0.000369	± 2.5	PASS
VN	-10			-0.18	-0.000104	± 2.5	PASS
VN	0			-0.31	-0.000179	± 2.5	PASS
VN	10			-0.36	-0.000208	± 2.5	PASS
VN	20			2.98	0.001720	± 2.5	PASS
VN	30			4.27	0.002465	± 2.5	PASS
VN	40			-0.59	-0.000341	± 2.5	PASS
VN	50			1.02	0.000589	± 2.5	PASS
MCH	VN		-30	1.31	0.000748	± 2.5	PASS
	VN		-20	2.39	0.001364	± 2.5	PASS
	VN		-10	1.95	0.001113	± 2.5	PASS
	VN		0	-0.67	-0.000382	± 2.5	PASS
	VN		10	1.7	0.000970	± 2.5	PASS
	VN		20	-0.43	-0.000245	± 2.5	PASS
	VN		30	1.46	0.000833	± 2.5	PASS
	VN		40	1.55	0.000884	± 2.5	PASS
	VN		50	3.59	0.002049	± 2.5	PASS
HCH	VN		-30	2.16	0.001132	± 2.5	PASS
	VN		-20	-1.75	-0.000917	± 2.5	PASS
	VN		-10	1.32	0.000692	± 2.5	PASS
	VN		0	3.87	0.002029	± 2.5	PASS
	VN		10	-1.58	-0.000828	± 2.5	PASS
	VN		20	-1.42	-0.000744	± 2.5	PASS
	VN		30	4.72	0.002474	± 2.5	PASS
	VN		40	-0.38	-0.000199	± 2.5	PASS
	VN		50	-0.49	-0.000257	± 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	-1.74	-0.001015	± 2.5	PASS
		VN	TN	4.41	0.002571	± 2.5	PASS
		VH	TN	1.05	0.000612	± 2.5	PASS
	MCH	VL	TN	3.07	0.001772	± 2.5	PASS
		VN	TN	1.26	0.000727	± 2.5	PASS
		VH	TN	-1.26	-0.000727	± 2.5	PASS
	HCH	VL	TN	0.58	0.000331	± 2.5	PASS
		VN	TN	-2	-0.001143	± 2.5	PASS
		VH	TN	1.62	0.000926	± 2.5	PASS
16QAM	LCH	VL	TN	0.93	0.000542	± 2.5	PASS
		VN	TN	1.53	0.000892	± 2.5	PASS
		VH	TN	-0.4	-0.000233	± 2.5	PASS
	MCH	VL	TN	3.73	0.002153	± 2.5	PASS
		VN	TN	-1.54	-0.000889	± 2.5	PASS
		VH	TN	-1.61	-0.000929	± 2.5	PASS
	HCH	VL	TN	4.02	0.002297	± 2.5	PASS
		VN	TN	-1.92	-0.001097	± 2.5	PASS
		VH	TN	3.72	0.002126	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.11	0.001230	± 2.5	PASS
		VN	-20	1.77	0.001032	± 2.5	PASS
		VN	-10	-0.08	-0.000047	± 2.5	PASS
		VN	0	4.81	0.002805	± 2.5	PASS
		VN	10	2.25	0.001312	± 2.5	PASS
		VN	20	-1.13	-0.000659	± 2.5	PASS
		VN	30	-1.17	-0.000682	± 2.5	PASS
		VN	40	-1.87	-0.001090	± 2.5	PASS
	MCH	VN	50	4.81	0.002805	± 2.5	PASS
		VN	-30	1.09	0.000629	± 2.5	PASS
		VN	-20	-0.75	-0.000433	± 2.5	PASS
		VN	-10	-1.51	-0.000872	± 2.5	PASS
		VN	0	3.09	0.001784	± 2.5	PASS
		VN	10	4.97	0.002869	± 2.5	PASS
VN	20	1.77	0.001022	± 2.5	PASS		



		VN	30	0.07	0.000040	± 2.5	PASS
		VN	40	3.91	0.002257	± 2.5	PASS
		VN	50	2.81	0.001622	± 2.5	PASS
	HCH	VN	-30	3.9	0.002229	± 2.5	PASS
		VN	-20	3.16	0.001806	± 2.5	PASS
		VN	-10	3.54	0.002023	± 2.5	PASS
		VN	0	1.16	0.000663	± 2.5	PASS
		VN	10	1.15	0.000657	± 2.5	PASS
		VN	20	4.28	0.002446	± 2.5	PASS
		VN	30	4.62	0.002640	± 2.5	PASS
		VN	40	4.37	0.002497	± 2.5	PASS
		VN	50	1.25	0.000714	± 2.5	PASS
		16QAM	LCH	VN	-30	0.62	0.000358
VN	-20			-1.76	-0.001016	± 2.5	PASS
VN	-10			3.51	0.002026	± 2.5	PASS
VN	0			0.83	0.000479	± 2.5	PASS
VN	10			4.45	0.002569	± 2.5	PASS
VN	20			4.19	0.002418	± 2.5	PASS
VN	30			0.96	0.000554	± 2.5	PASS
VN	40			2.57	0.001483	± 2.5	PASS
VN	50			-0.81	-0.000468	± 2.5	PASS
MCH	VN		-30	2.38	0.001360	± 2.5	PASS
	VN		-20	2.73	0.001560	± 2.5	PASS
	VN		-10	3.62	0.002069	± 2.5	PASS
	VN		0	-0.12	-0.000069	± 2.5	PASS
	VN		10	4.92	0.002811	± 2.5	PASS
	VN		20	2.93	0.001674	± 2.5	PASS
	VN		30	-0.66	-0.000377	± 2.5	PASS
	VN		40	-0.47	-0.000269	± 2.5	PASS
	VN		50	-0.4	-0.000229	± 2.5	PASS
HCH	VN		-30	-1.4	-0.000800	± 2.5	PASS
	VN		-20	2.78	0.001589	± 2.5	PASS
	VN		-10	3.81	0.002177	± 2.5	PASS
	VN		0	3.84	0.002194	± 2.5	PASS
	VN		10	4.55	0.002600	± 2.5	PASS
	VN		20	1.84	0.001051	± 2.5	PASS
	VN		30	2.49	0.001423	± 2.5	PASS
	VN		40	3.52	0.002011	± 2.5	PASS
	VN		50	0.62	0.000354	± 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	-1.32	-0.000769	± 2.5	PASS
		VN	TN	1.09	0.000635	± 2.5	PASS
		VH	TN	3.63	0.002114	± 2.5	PASS
	MCH	VL	TN	1.39	0.000802	± 2.5	PASS
		VN	TN	1.8	0.001039	± 2.5	PASS
		VH	TN	0.66	0.000381	± 2.5	PASS
	HCH	VL	TN	-0.57	-0.000326	± 2.5	PASS
		VN	TN	-0.21	-0.000120	± 2.5	PASS
		VH	TN	4.74	0.002712	± 2.5	PASS
16QAM	LCH	VL	TN	-0.65	-0.000378	± 2.5	PASS
		VN	TN	3.85	0.002242	± 2.5	PASS
		VH	TN	2.73	0.001590	± 2.5	PASS
	MCH	VL	TN	0.58	0.000335	± 2.5	PASS
		VN	TN	-0.4	-0.000231	± 2.5	PASS
		VH	TN	-1.71	-0.000987	± 2.5	PASS
	HCH	VL	TN	0.7	0.000401	± 2.5	PASS
		VN	TN	0.26	0.000149	± 2.5	PASS
		VH	TN	-0.01	-0.000006	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.37	0.000798	± 2.5	PASS
		VN	-20	2.08	0.001211	± 2.5	PASS
		VN	-10	1.79	0.001042	± 2.5	PASS
		VN	0	-1.8	-0.001048	± 2.5	PASS
		VN	10	1.28	0.000745	± 2.5	PASS
		VN	20	1.65	0.000961	± 2.5	PASS
		VN	30	-0.39	-0.000227	± 2.5	PASS
		VN	40	2.73	0.001590	± 2.5	PASS
	MCH	VN	50	4.04	0.002352	± 2.5	PASS
		VN	-30	3.46	0.001997	± 2.5	PASS
		VN	-20	-1.82	-0.001051	± 2.5	PASS
		VN	-10	2.27	0.001310	± 2.5	PASS
		VN	0	3.78	0.002182	± 2.5	PASS
		VN	10	-1.76	-0.001016	± 2.5	PASS
VN	20	-1.13	-0.000652	± 2.5	PASS		



		VN	30	-0.25	-0.000144	± 2.5	PASS
		VN	40	3.03	0.001749	± 2.5	PASS
		VN	50	4.12	0.002378	± 2.5	PASS
	HCH	VN	-30	-0.49	-0.000280	± 2.5	PASS
		VN	-20	3.82	0.002186	± 2.5	PASS
		VN	-10	-1.01	-0.000578	± 2.5	PASS
		VN	0	-1.61	-0.000921	± 2.5	PASS
		VN	10	3.25	0.001860	± 2.5	PASS
		VN	20	2.11	0.001207	± 2.5	PASS
		VN	30	4.47	0.002558	± 2.5	PASS
		VN	40	3.2	0.001831	± 2.5	PASS
		VN	50	0.34	0.000195	± 2.5	PASS
16QAM	LCH	VN	-30	-1.21	-0.000698	± 2.5	PASS
		VN	-20	0.99	0.000571	± 2.5	PASS
		VN	-10	3.67	0.002118	± 2.5	PASS
		VN	0	2.5	0.001443	± 2.5	PASS
		VN	10	-0.03	-0.000017	± 2.5	PASS
		VN	20	1.23	0.000710	± 2.5	PASS
		VN	30	3.56	0.002055	± 2.5	PASS
		VN	40	1.08	0.000623	± 2.5	PASS
		VN	50	3.45	0.001991	± 2.5	PASS
	MCH	VN	-30	-1.47	-0.000841	± 2.5	PASS
		VN	-20	4.92	0.002815	± 2.5	PASS
		VN	-10	1.64	0.000938	± 2.5	PASS
		VN	0	-0.14	-0.000080	± 2.5	PASS
		VN	10	-1.06	-0.000607	± 2.5	PASS
		VN	20	1.48	0.000847	± 2.5	PASS
		VN	30	1.88	0.001076	± 2.5	PASS
		VN	40	4.18	0.002392	± 2.5	PASS
		VN	50	3.35	0.001917	± 2.5	PASS
	HCH	VN	-30	1.82	0.001041	± 2.5	PASS
		VN	-20	-1.63	-0.000933	± 2.5	PASS
		VN	-10	0.44	0.000252	± 2.5	PASS
		VN	0	-0.44	-0.000252	± 2.5	PASS
		VN	10	-0.48	-0.000275	± 2.5	PASS
		VN	20	3.31	0.001894	± 2.5	PASS
		VN	30	4.49	0.002569	± 2.5	PASS
		VN	40	-1.3	-0.000744	± 2.5	PASS
		VN	50	3.86	0.002209	± 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	0.17	0.000099	± 2.5	PASS
		VN	TN	1.47	0.000855	± 2.5	PASS
		VH	TN	1.21	0.000703	± 2.5	PASS
	MCH	VL	TN	-1.97	-0.001137	± 2.5	PASS
		VN	TN	1.09	0.000629	± 2.5	PASS
		VH	TN	1.78	0.001027	± 2.5	PASS
	HCH	VL	TN	-2	-0.001146	± 2.5	PASS
		VN	TN	-0.94	-0.000539	± 2.5	PASS
		VH	TN	-1.37	-0.000785	± 2.5	PASS
16QAM	LCH	VL	TN	0.66	0.000384	± 2.5	PASS
		VN	TN	3.67	0.002134	± 2.5	PASS
		VH	TN	-1.3	-0.000756	± 2.5	PASS
	MCH	VL	TN	-1.96	-0.001131	± 2.5	PASS
		VN	TN	-1.03	-0.000595	± 2.5	PASS
		VH	TN	-1.14	-0.000658	± 2.5	PASS
	HCH	VL	TN	-0.35	-0.000201	± 2.5	PASS
		VN	TN	3.11	0.001782	± 2.5	PASS
		VH	TN	1.1	0.000630	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.86	-0.001081	± 2.5	PASS
		VN	-20	4.86	0.002826	± 2.5	PASS
		VN	-10	0.89	0.000517	± 2.5	PASS
		VN	0	0.29	0.000169	± 2.5	PASS
		VN	10	-0.14	-0.000081	± 2.5	PASS
		VN	20	0.51	0.000297	± 2.5	PASS
		VN	30	2.97	0.001727	± 2.5	PASS
		VN	40	0.39	0.000227	± 2.5	PASS
	MCH	VN	50	3.99	0.002320	± 2.5	PASS
		VN	-30	3.68	0.002124	± 2.5	PASS
		VN	-20	-1.98	-0.001143	± 2.5	PASS
		VN	-10	0.17	0.000098	± 2.5	PASS
		VN	0	4.39	0.002534	± 2.5	PASS
		VN	10	2.82	0.001628	± 2.5	PASS
VN	20	4.72	0.002724	± 2.5	PASS		



		VN	30	1.75	0.001010	± 2.5	PASS
		VN	40	4.64	0.002678	± 2.5	PASS
		VN	50	-0.42	-0.000242	± 2.5	PASS
	HCH	VN	-30	1.11	0.000636	± 2.5	PASS
		VN	-20	-1.24	-0.000711	± 2.5	PASS
		VN	-10	2.38	0.001364	± 2.5	PASS
		VN	0	1.64	0.000940	± 2.5	PASS
		VN	10	0.05	0.000029	± 2.5	PASS
		VN	20	-0.29	-0.000166	± 2.5	PASS
		VN	30	3.53	0.002023	± 2.5	PASS
		VN	40	-1.19	-0.000682	± 2.5	PASS
		VN	50	1.79	0.001026	± 2.5	PASS
16QAM	LCH	VN	-30	3.07	0.001772	± 2.5	PASS
		VN	-20	2.4	0.001385	± 2.5	PASS
		VN	-10	-0.87	-0.000502	± 2.5	PASS
		VN	0	-0.54	-0.000312	± 2.5	PASS
		VN	10	1.07	0.000618	± 2.5	PASS
		VN	20	0.72	0.000416	± 2.5	PASS
		VN	30	-1.97	-0.001137	± 2.5	PASS
		VN	40	1.75	0.001010	± 2.5	PASS
		VN	50	0.53	0.000306	± 2.5	PASS
	MCH	VN	-30	0.17	0.000097	± 2.5	PASS
		VN	-20	-0.71	-0.000407	± 2.5	PASS
		VN	-10	0.03	0.000017	± 2.5	PASS
		VN	0	4.83	0.002768	± 2.5	PASS
		VN	10	3.53	0.002023	± 2.5	PASS
		VN	20	-0.68	-0.000390	± 2.5	PASS
		VN	30	4.07	0.002332	± 2.5	PASS
		VN	40	-1.82	-0.001043	± 2.5	PASS
		VN	50	0.94	0.000539	± 2.5	PASS
	HCH	VN	-30	4.57	0.002619	± 2.5	PASS
		VN	-20	-0.96	-0.000550	± 2.5	PASS
		VN	-10	0.15	0.000086	± 2.5	PASS
		VN	0	2.45	0.001404	± 2.5	PASS
		VN	10	0.21	0.000120	± 2.5	PASS
		VN	20	2.61	0.001496	± 2.5	PASS
		VN	30	-1.2	-0.000688	± 2.5	PASS
		VN	40	1.43	0.000819	± 2.5	PASS
		VN	50	-0.44	-0.000252	± 2.5	PASS