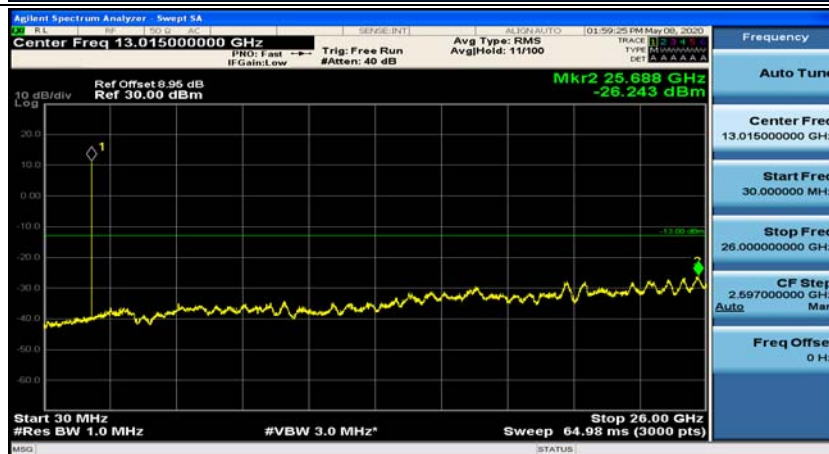
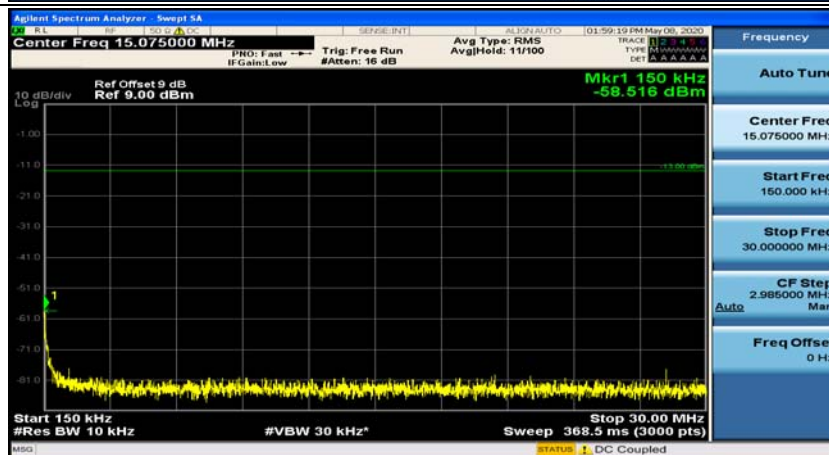
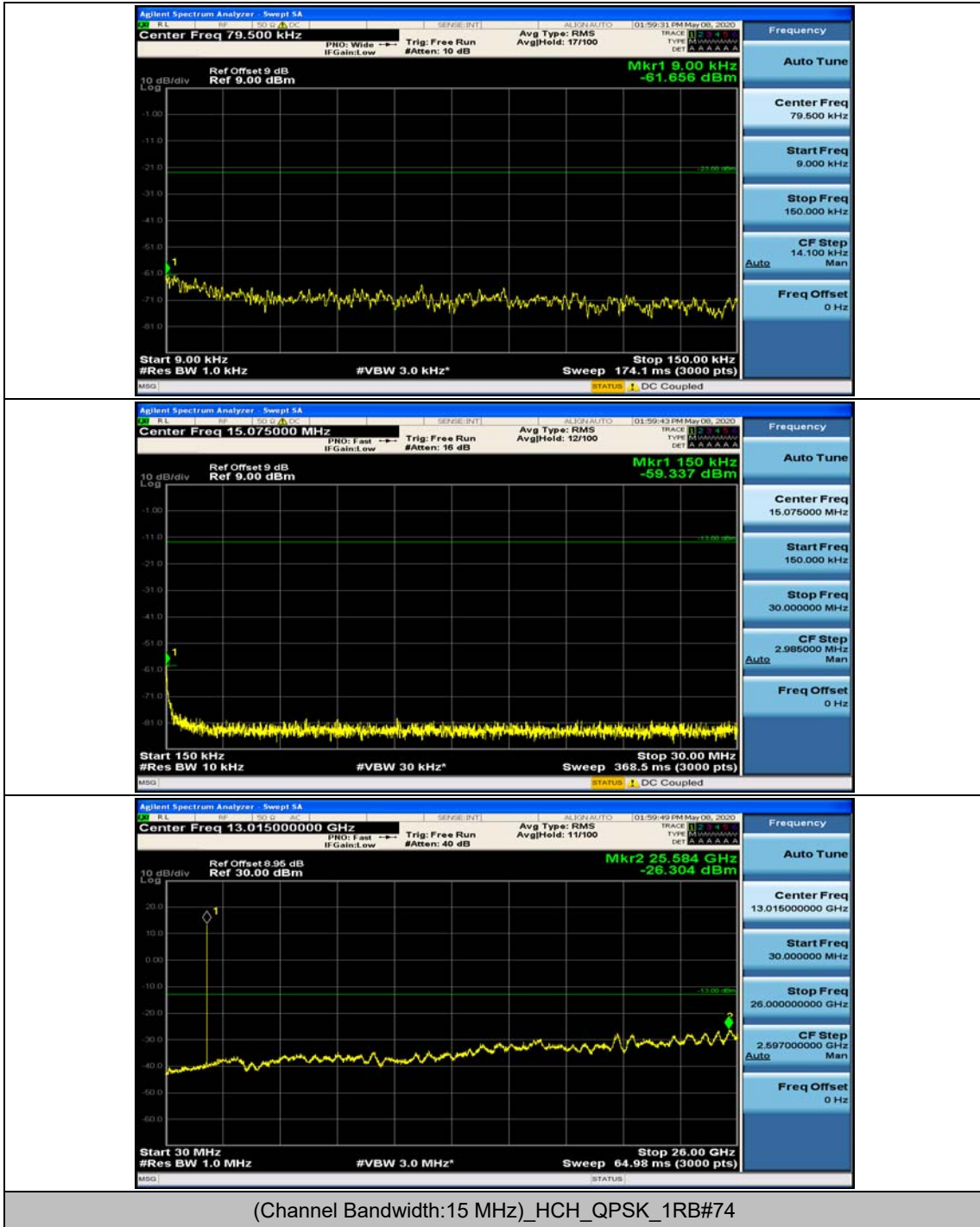


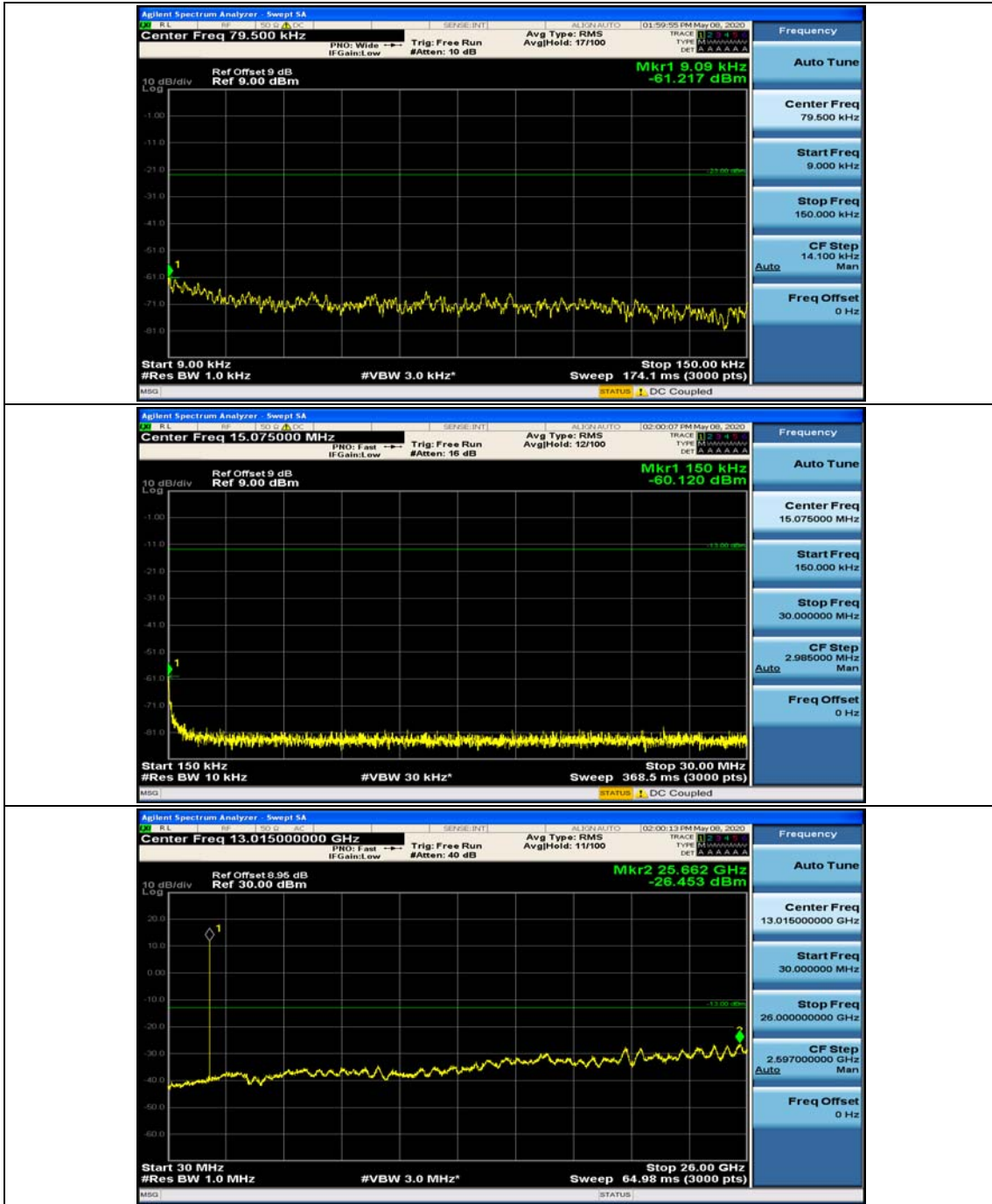


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0



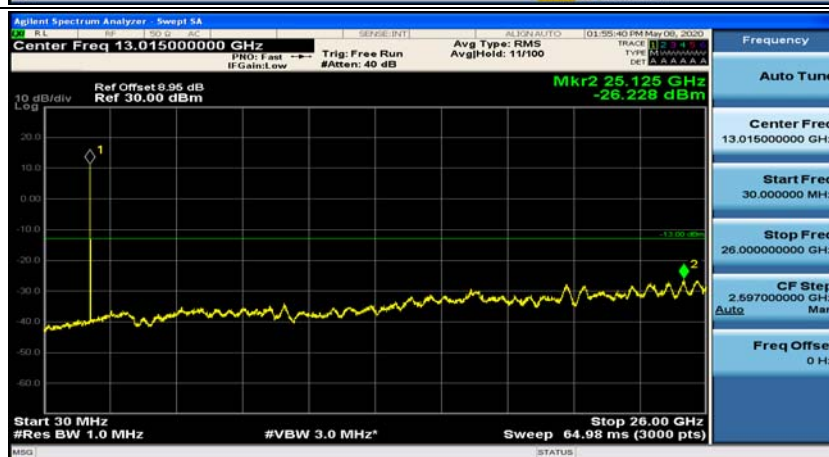
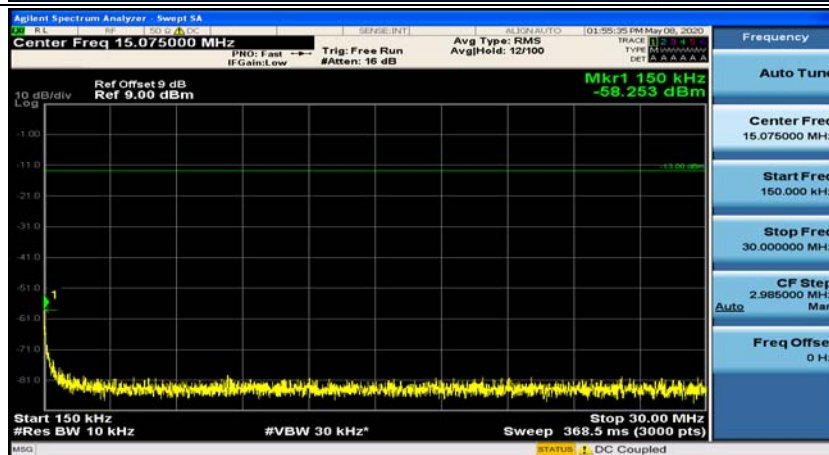
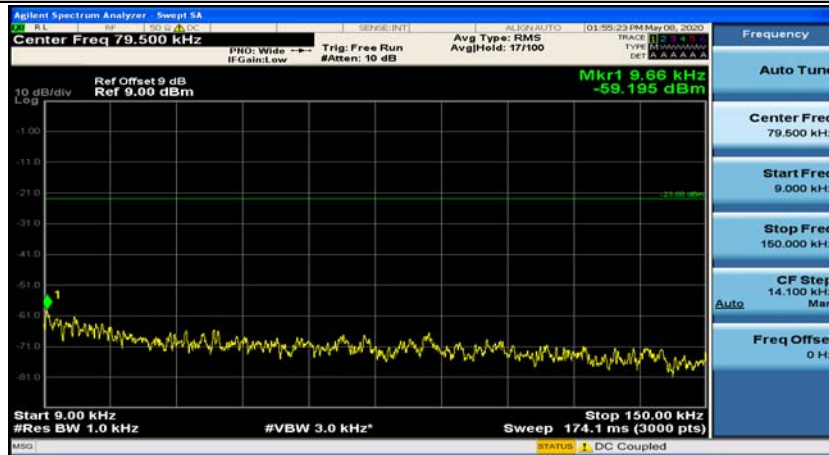
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37



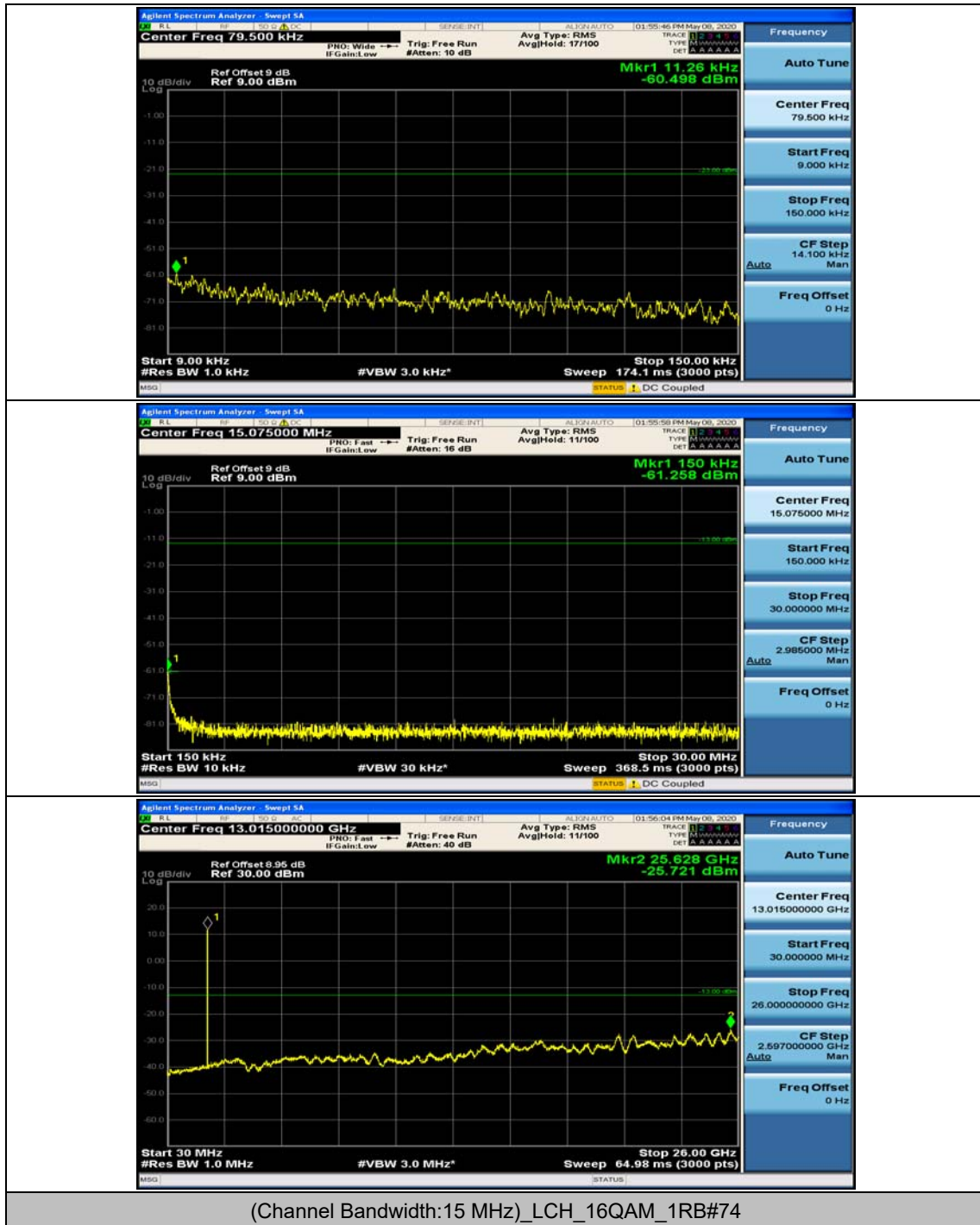


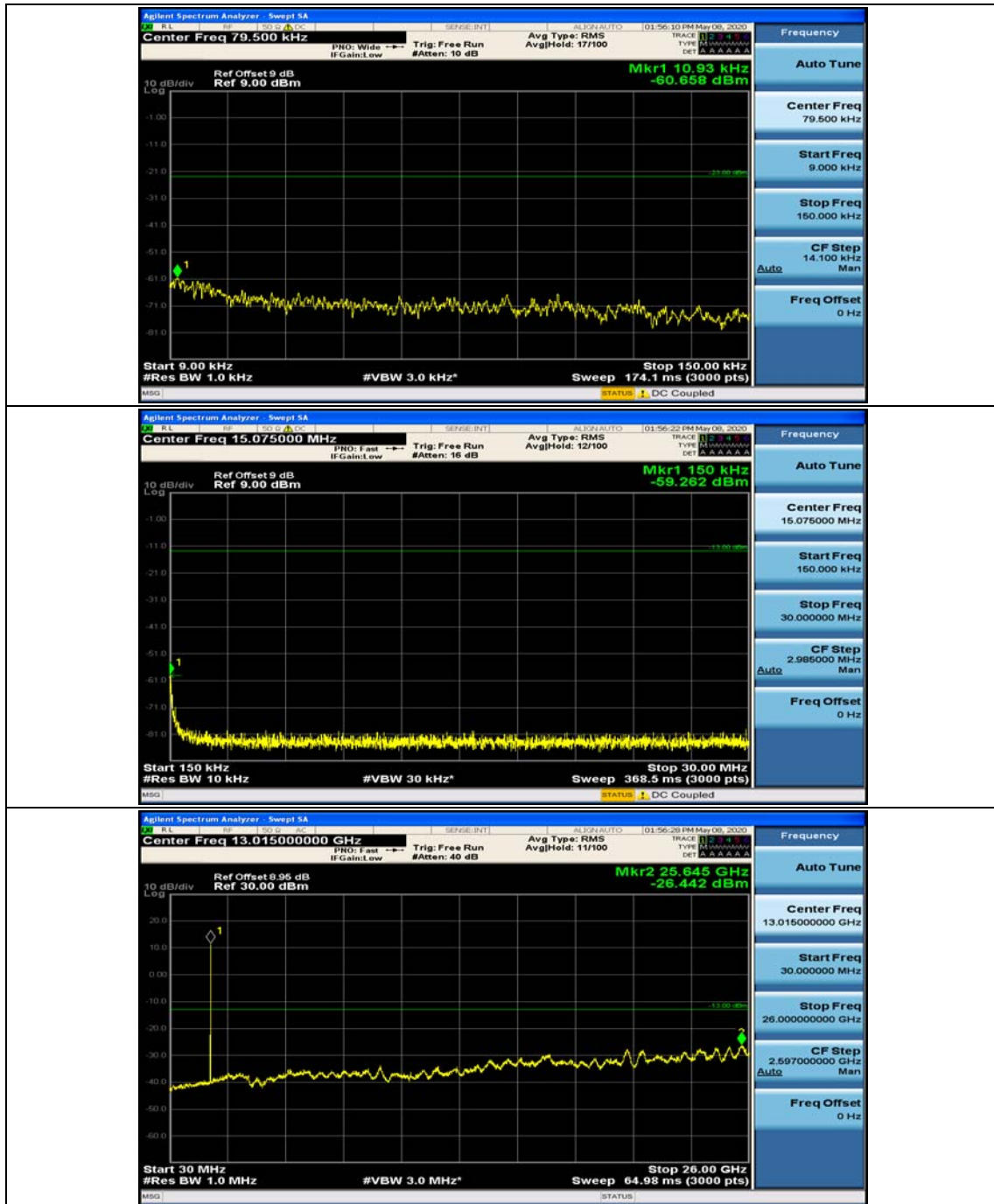


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0



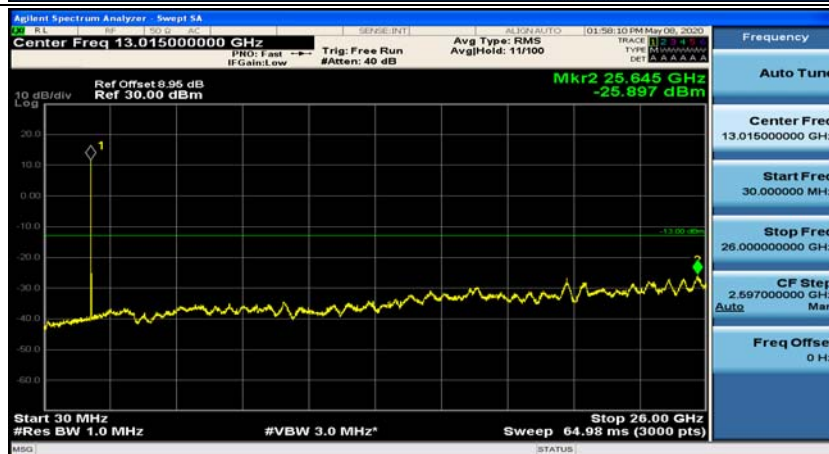
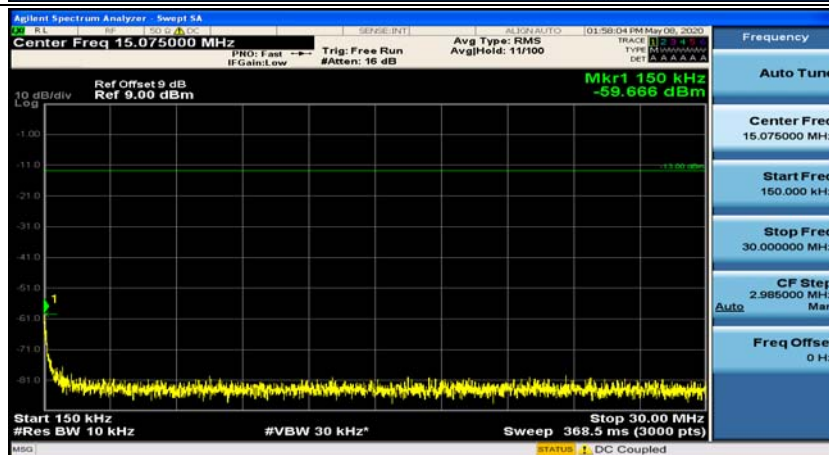
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37



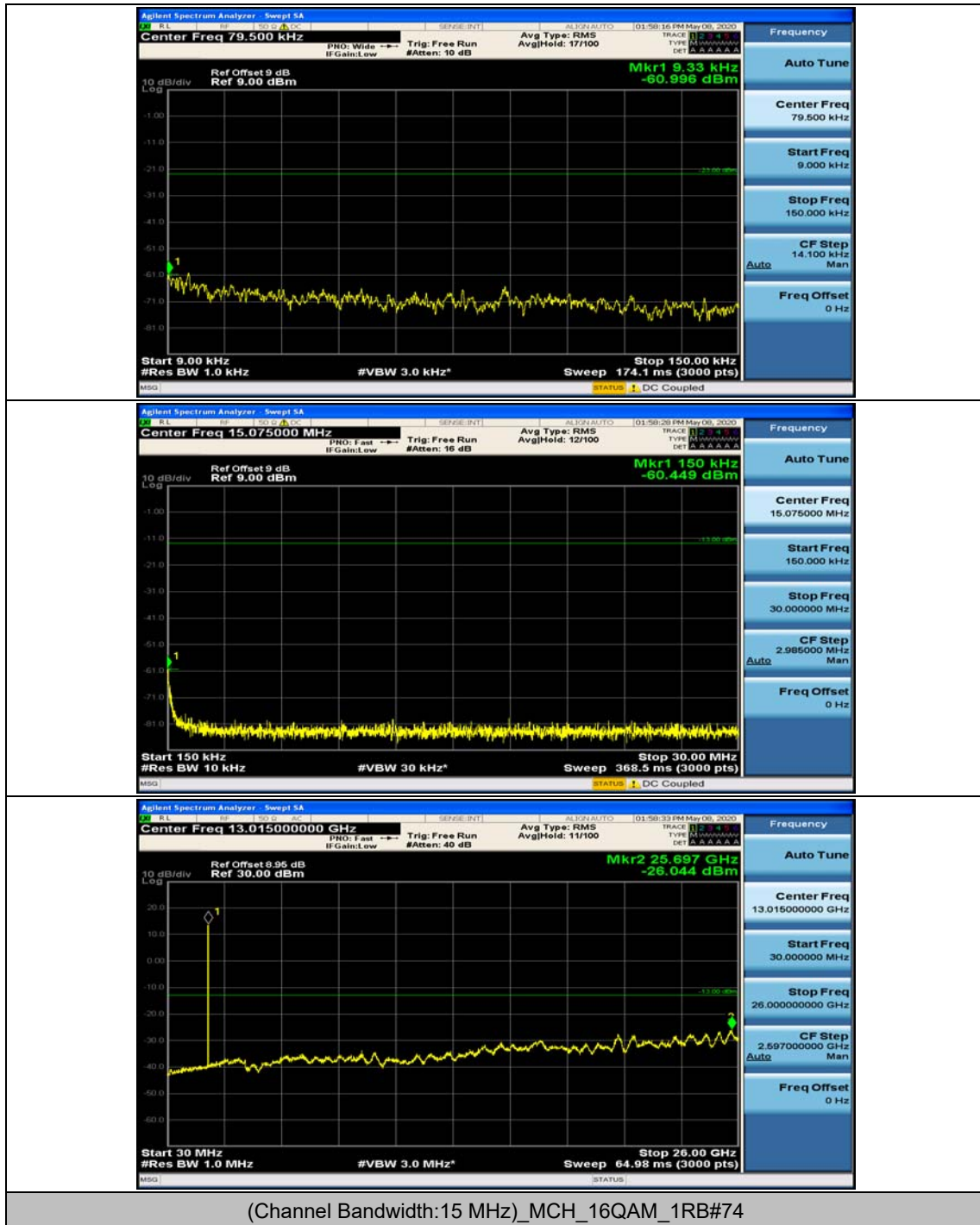


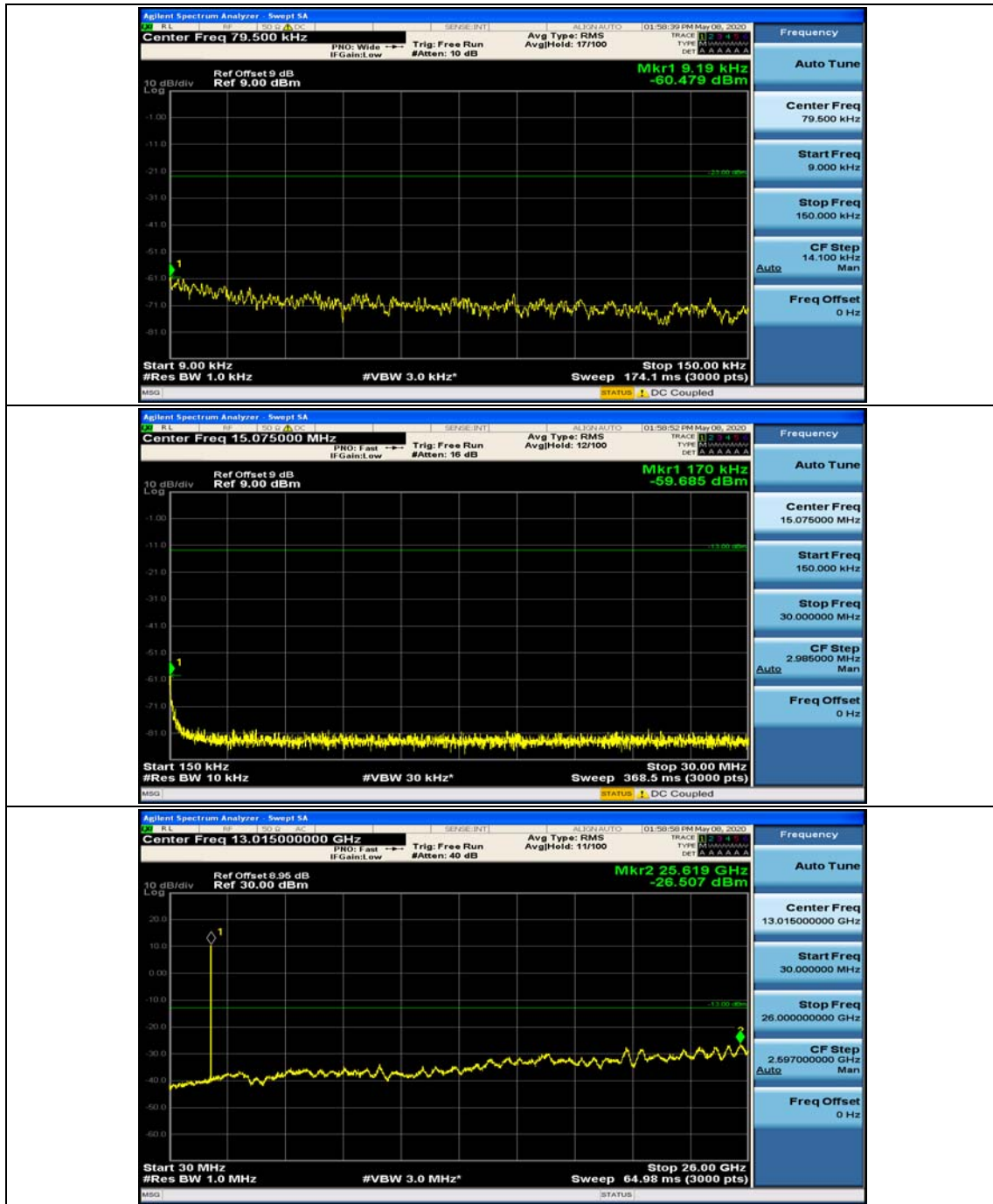


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0



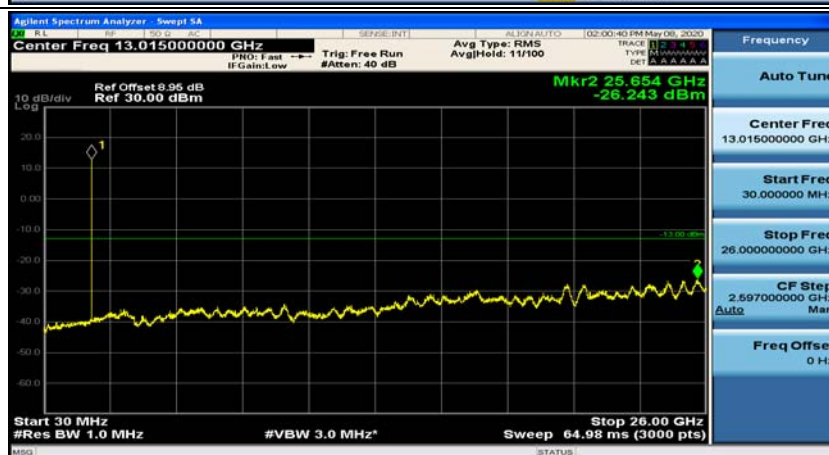
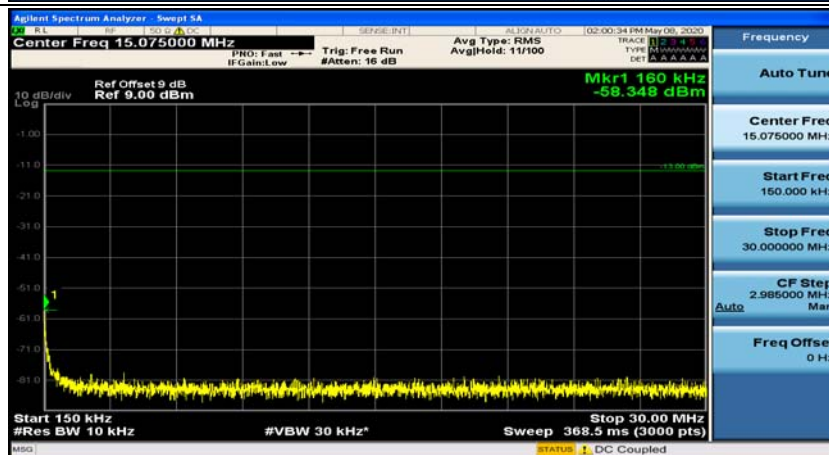
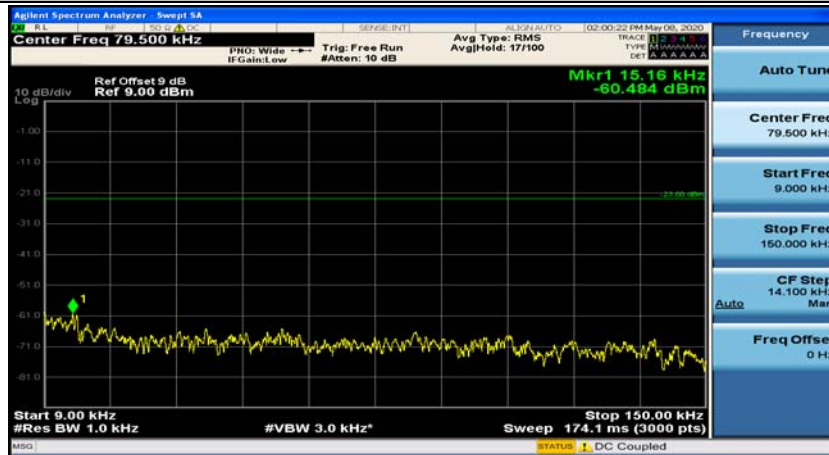
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37



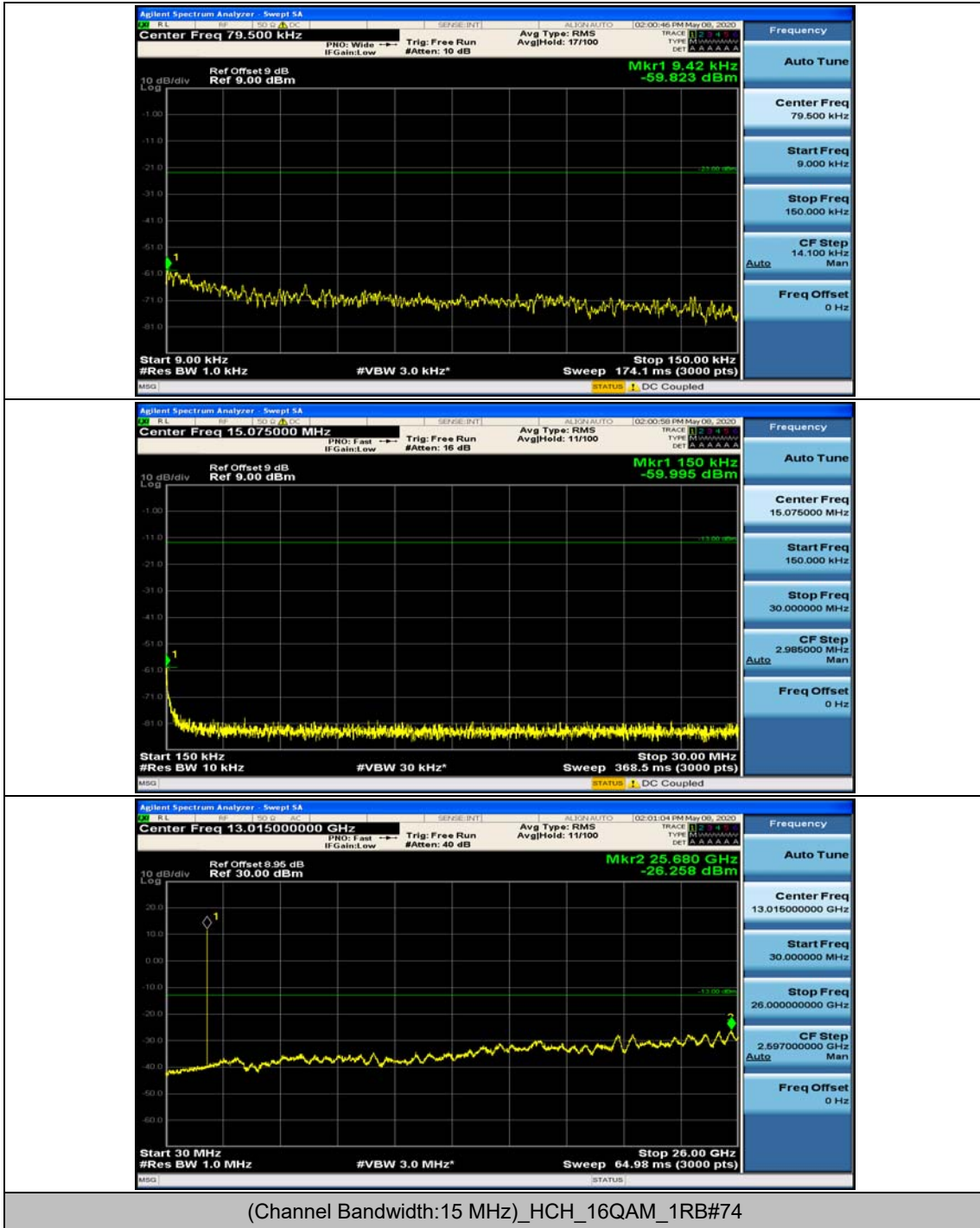


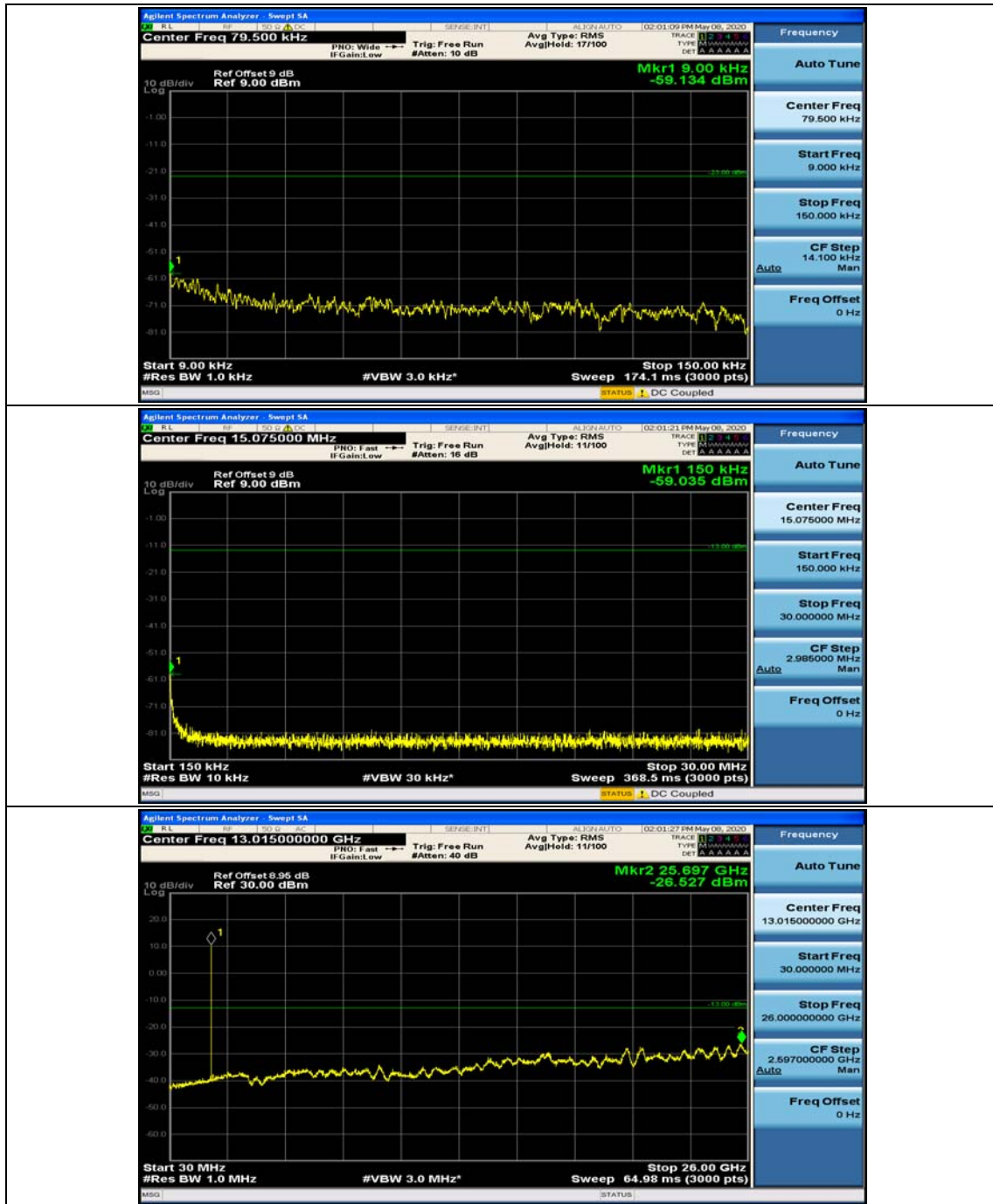


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0



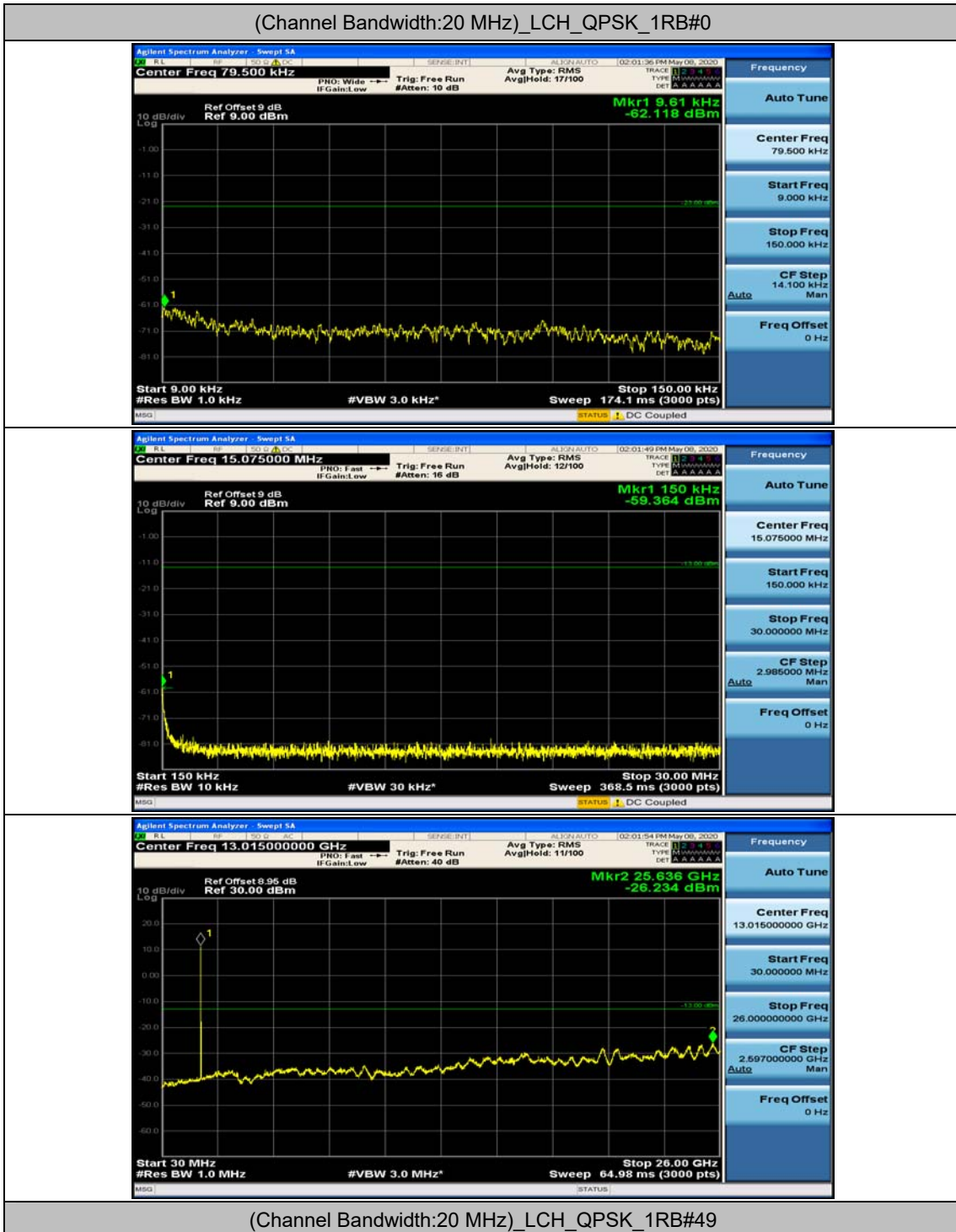
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

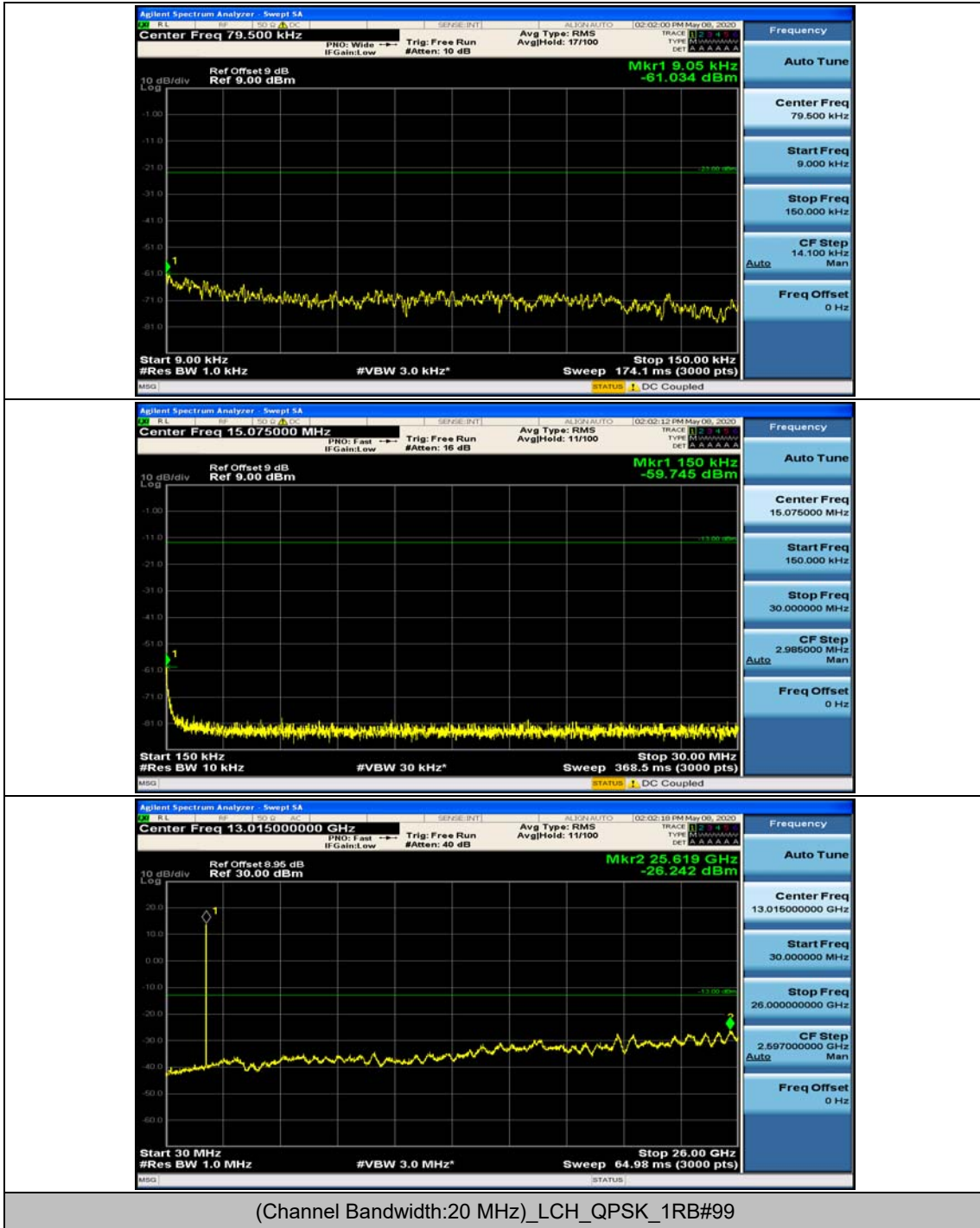


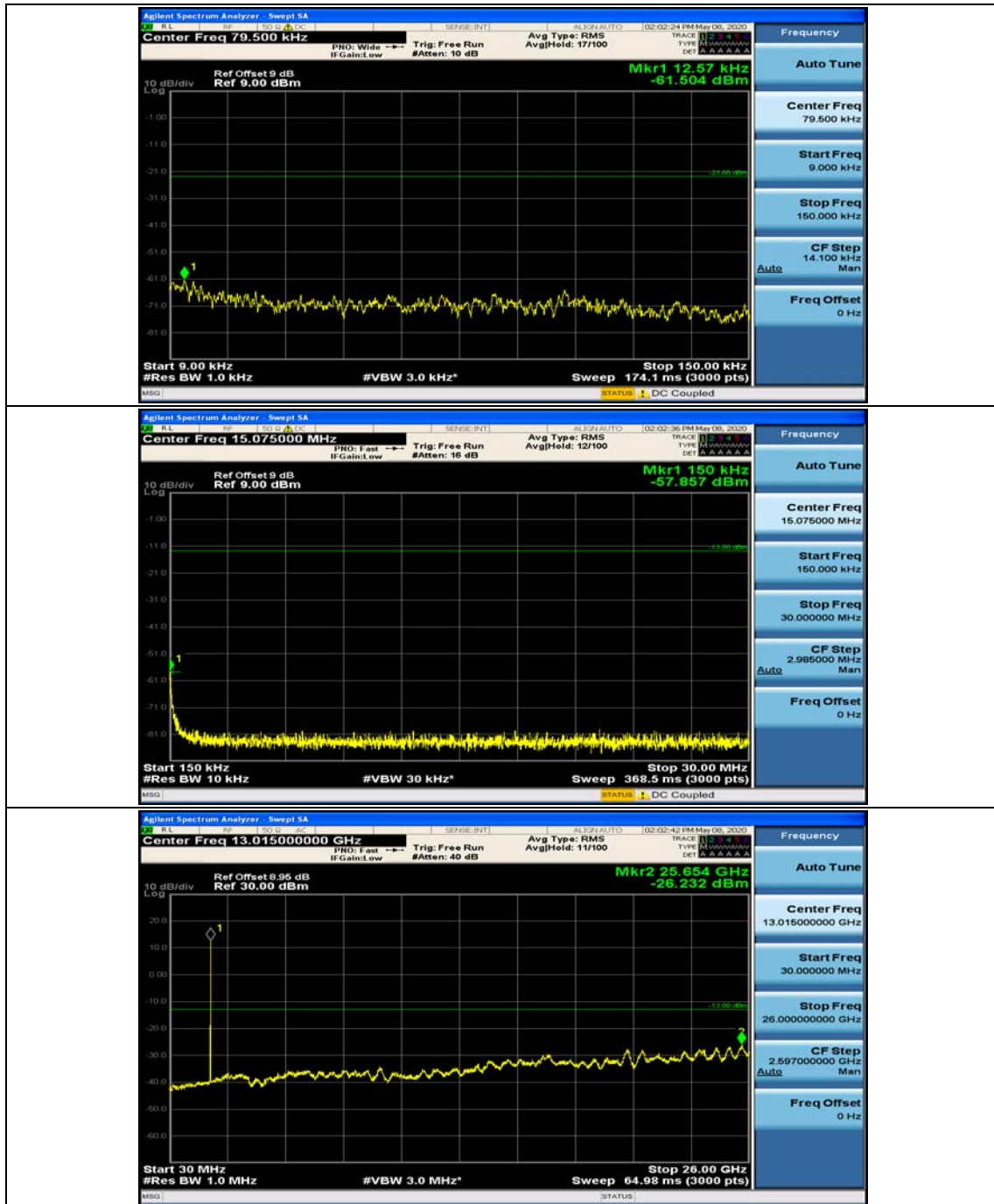




Channel Bandwidth: 20 MHz

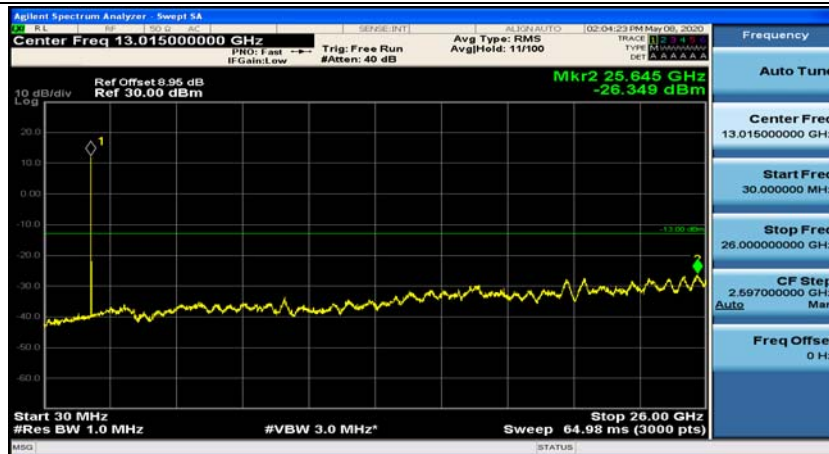
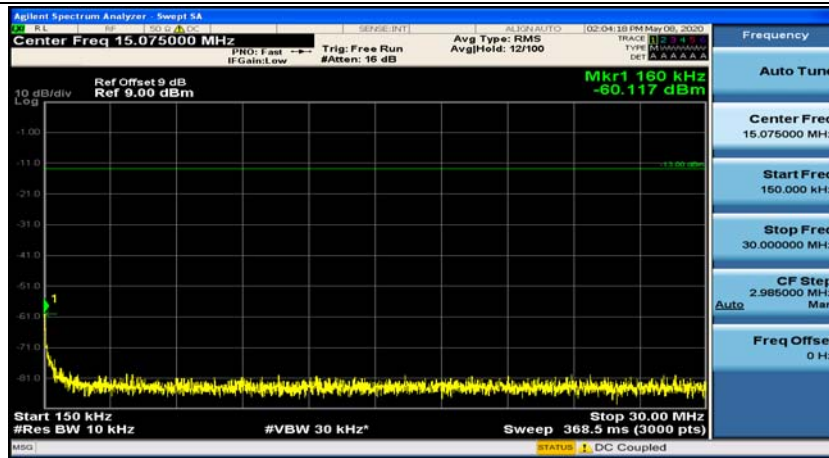
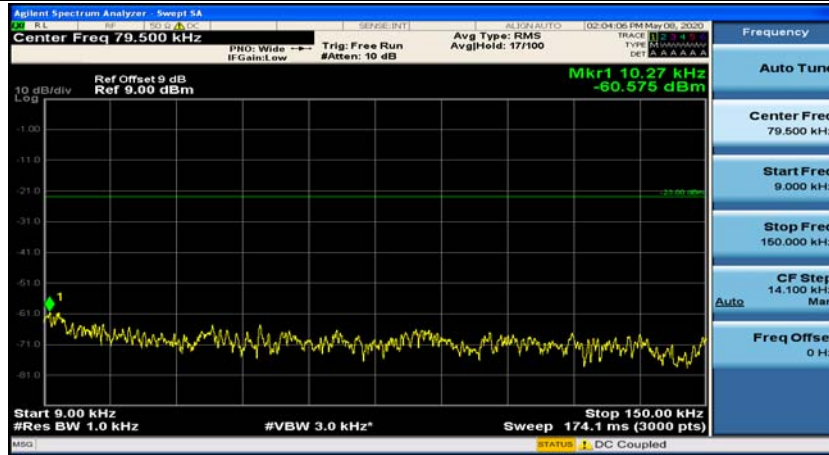




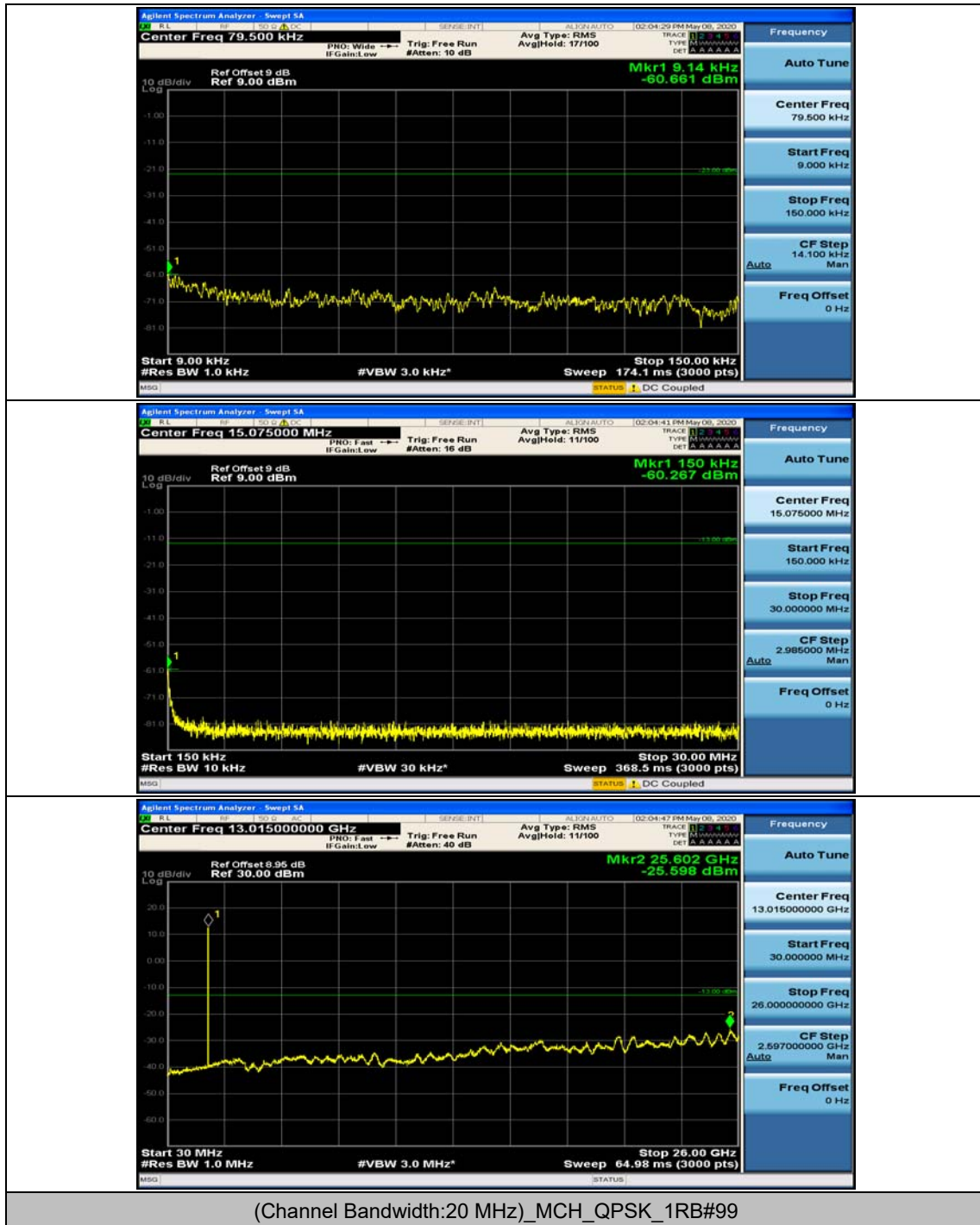


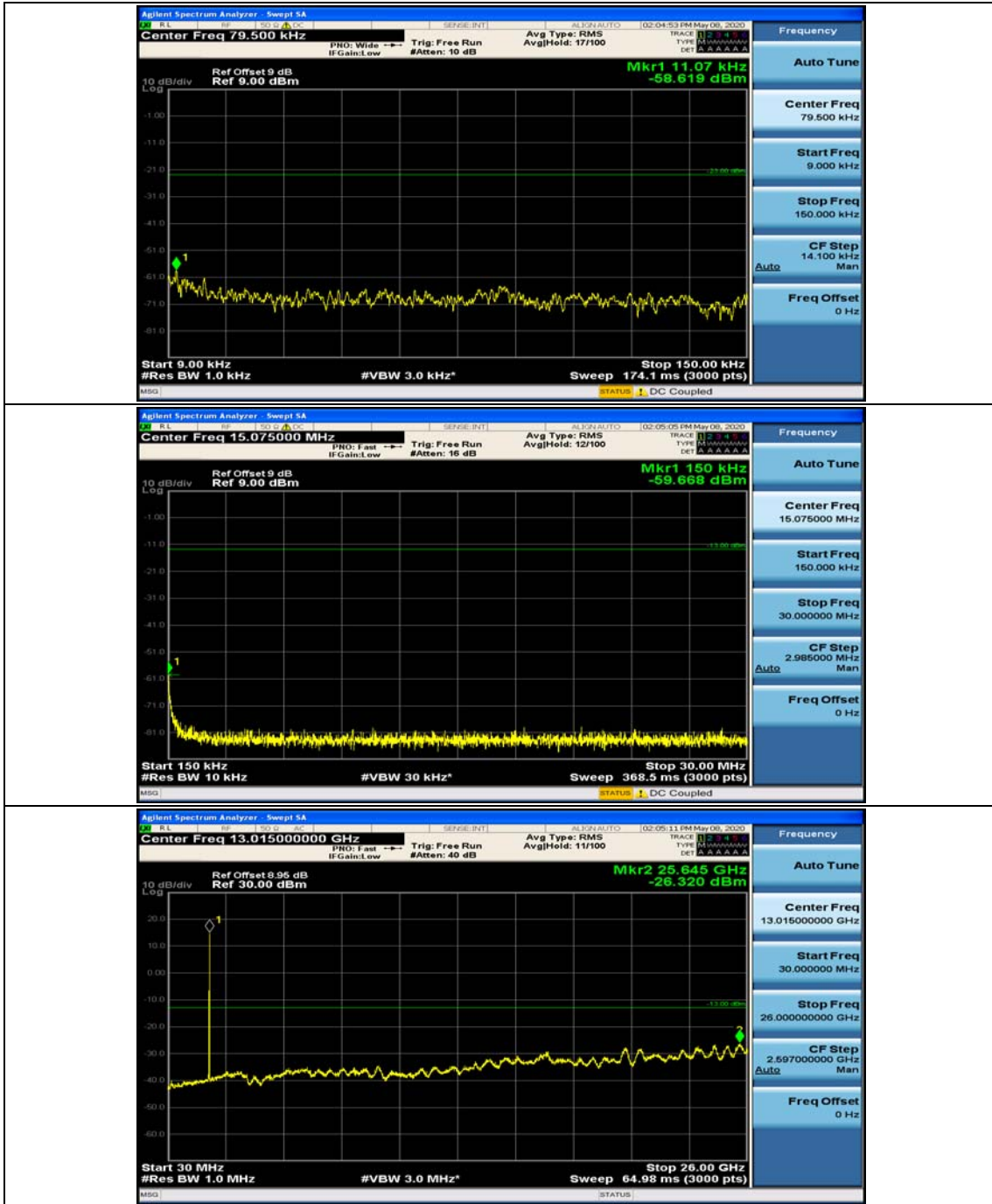


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0



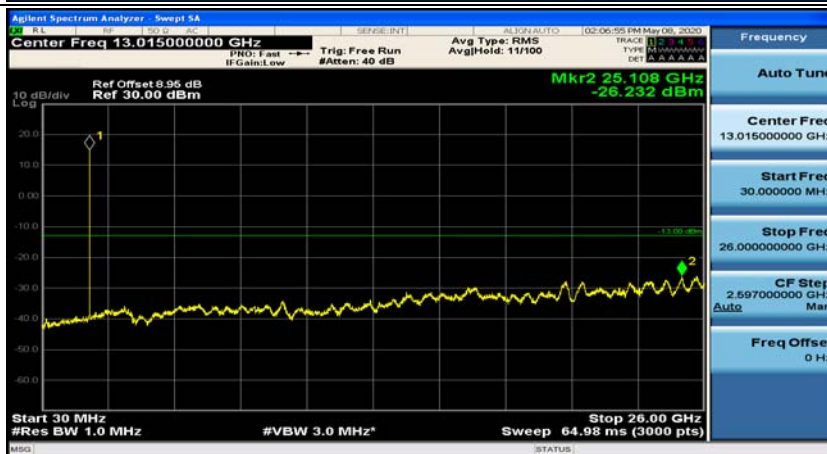
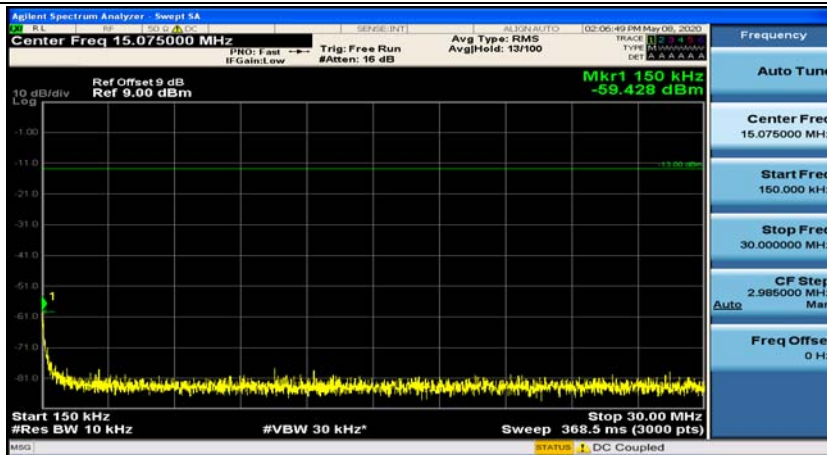
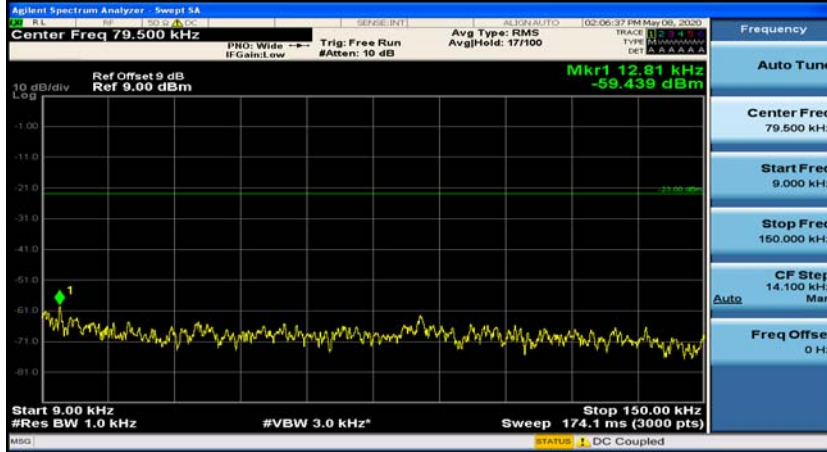
(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49



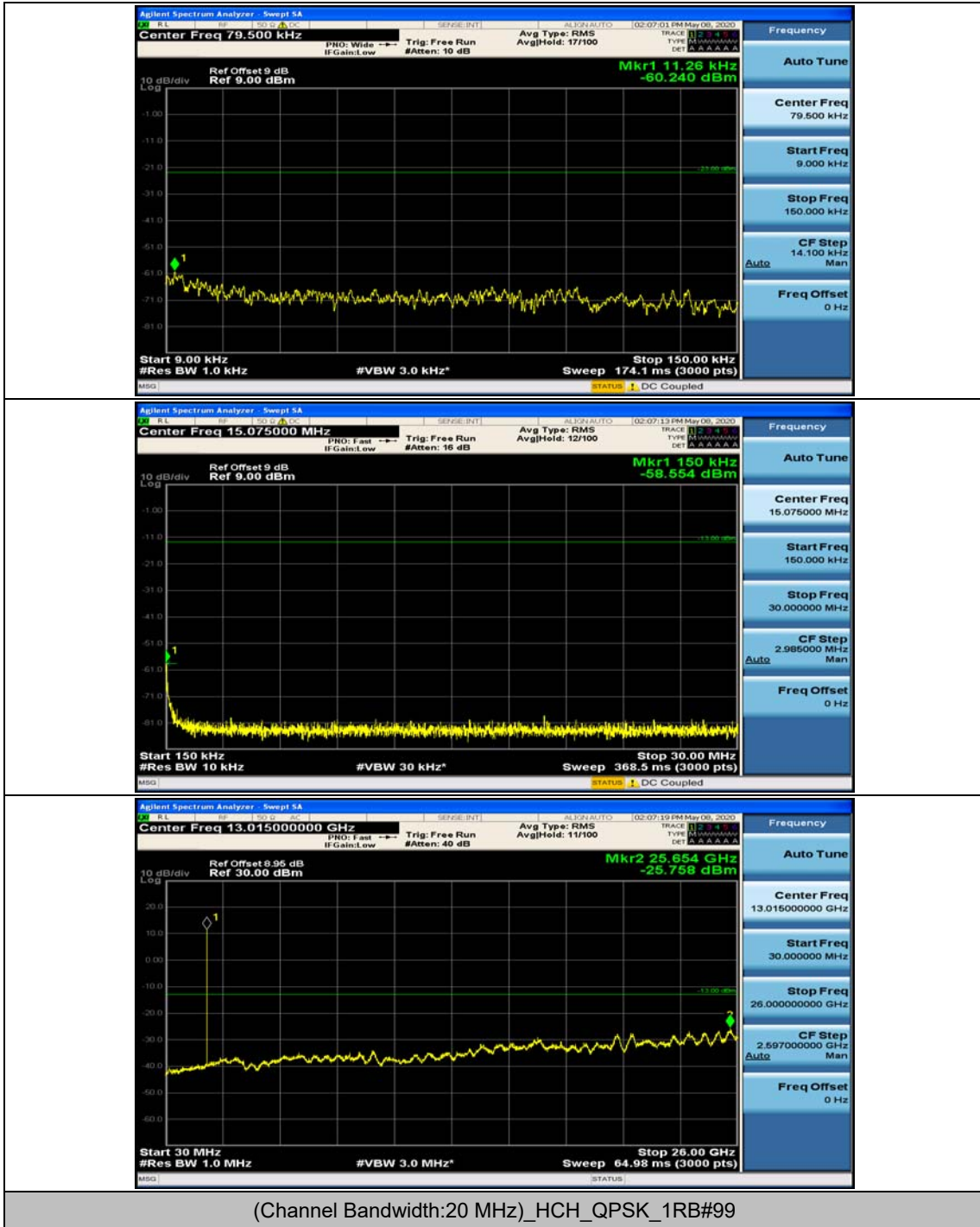


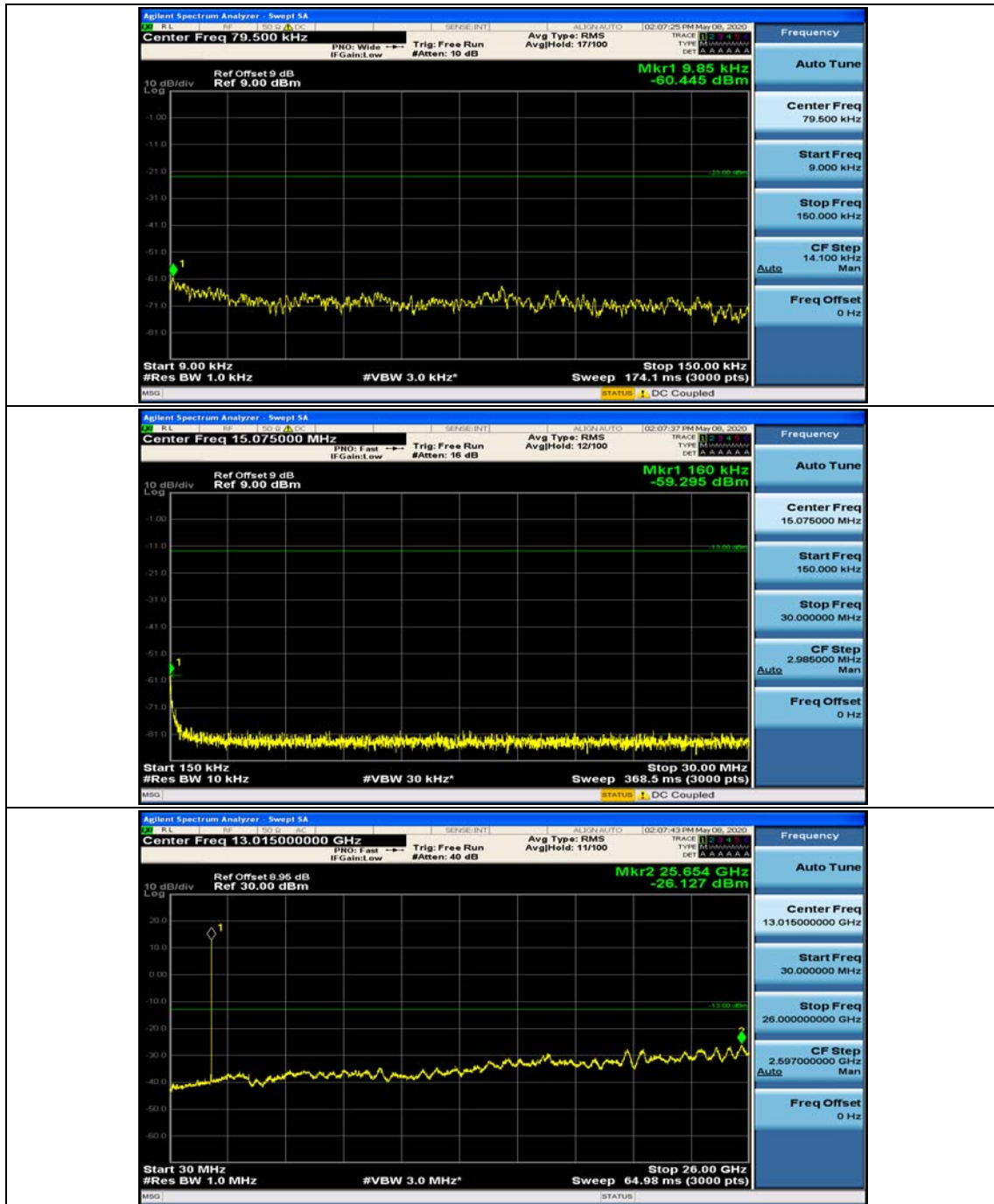


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0



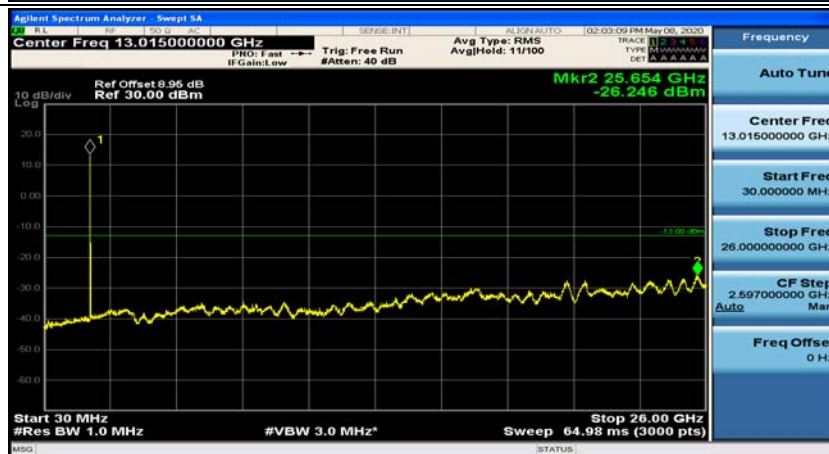
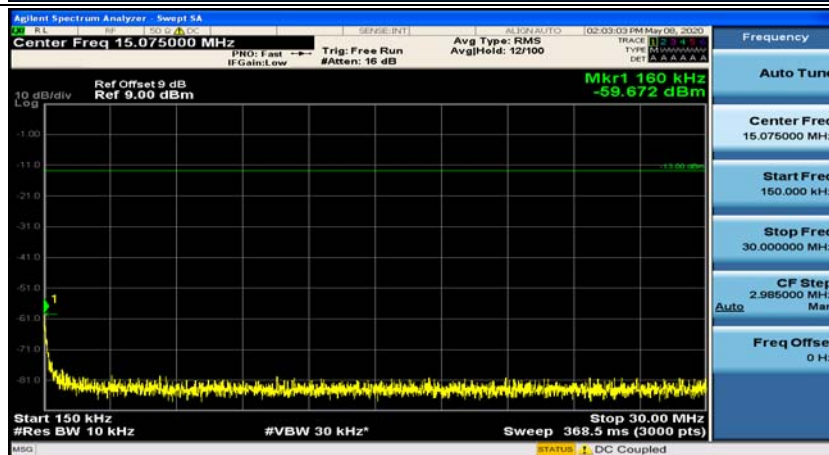
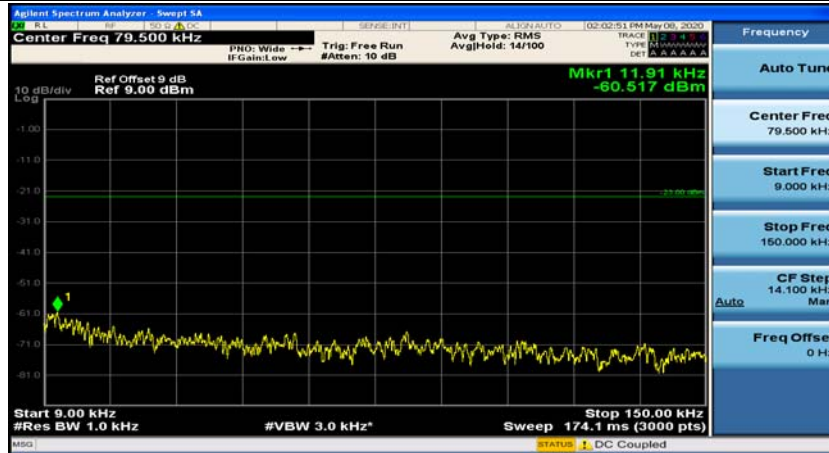
(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49



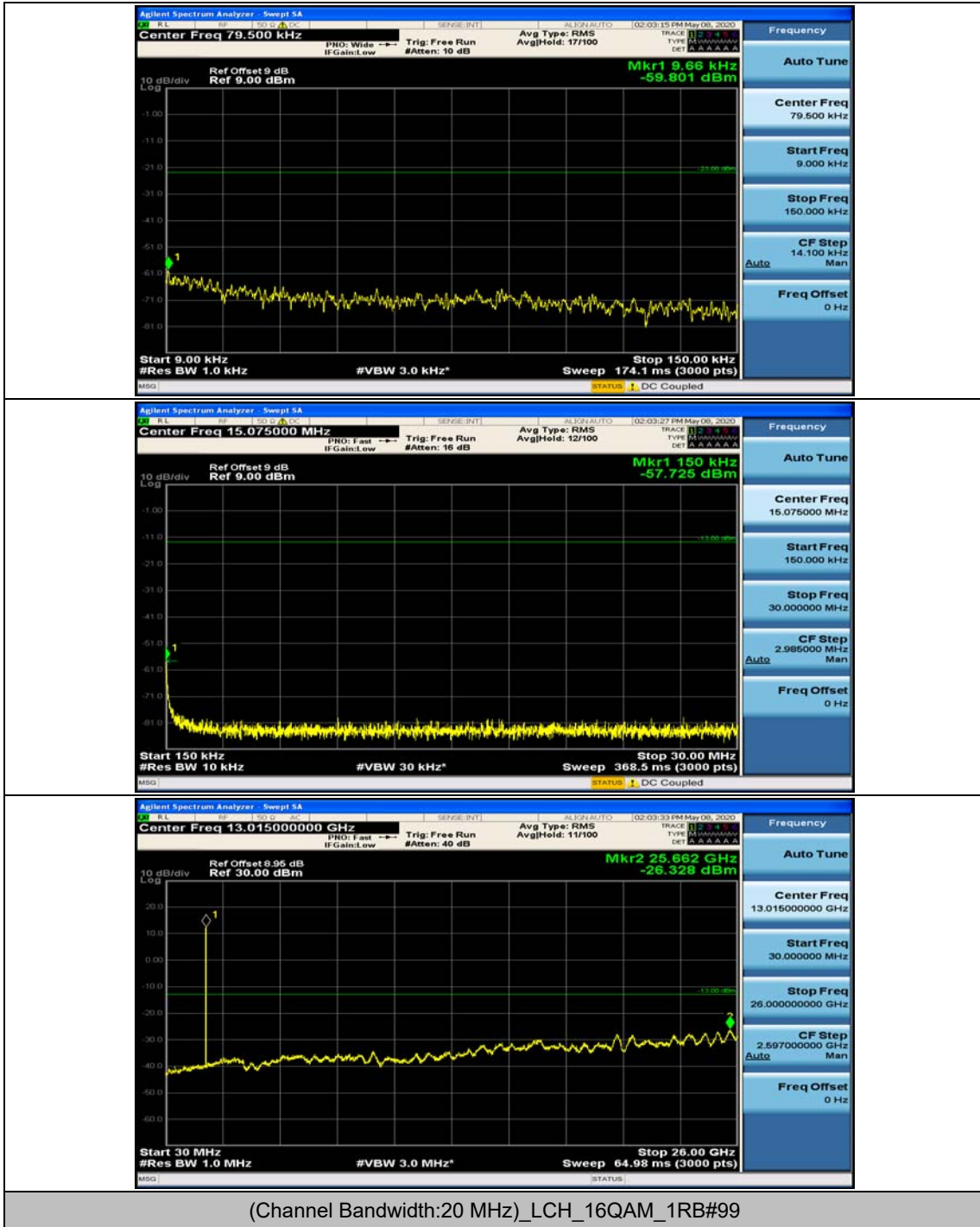


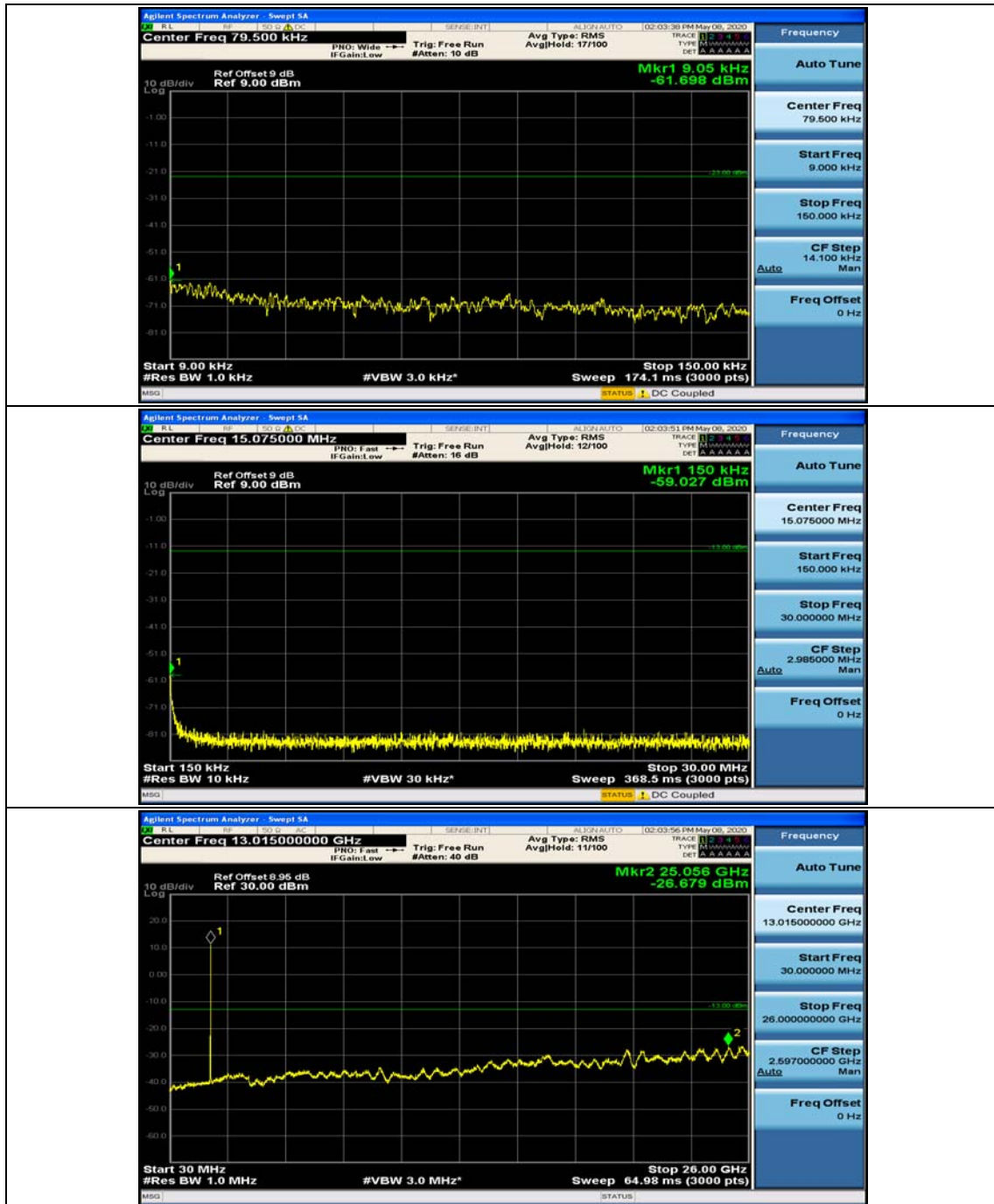


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0



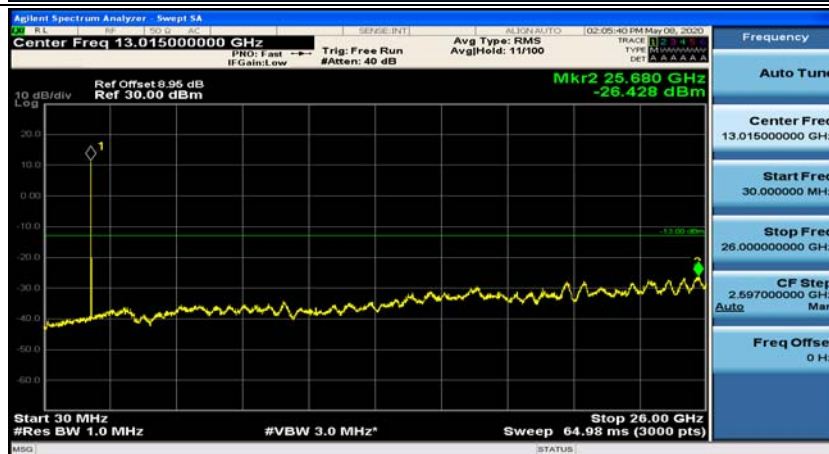
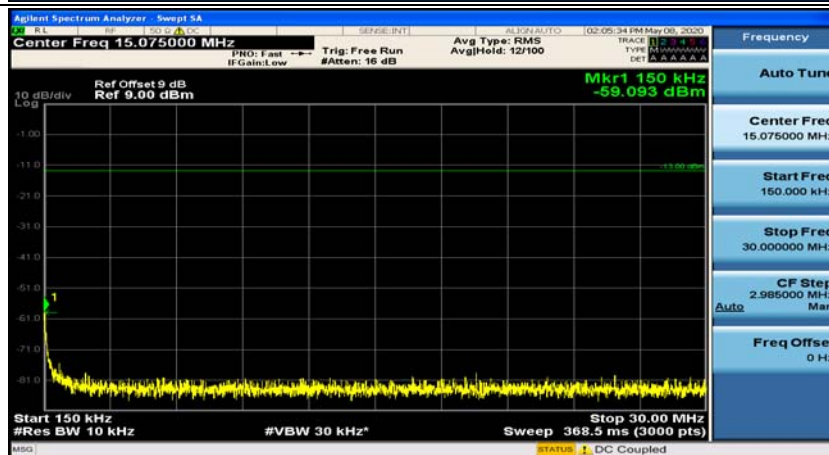
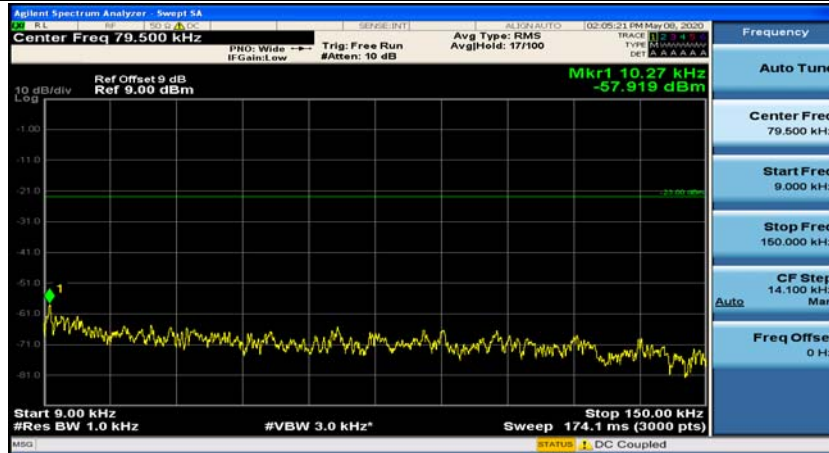
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49



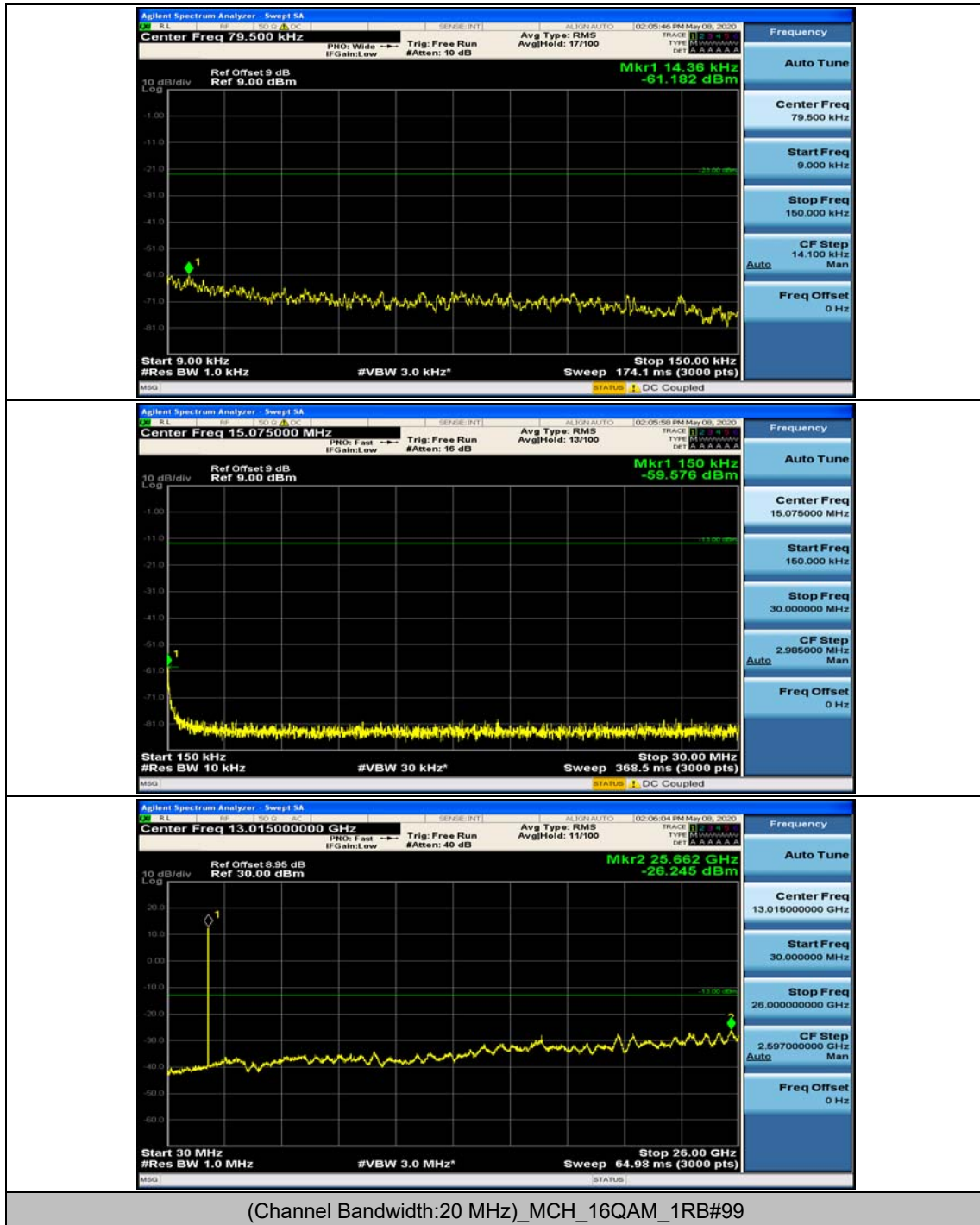


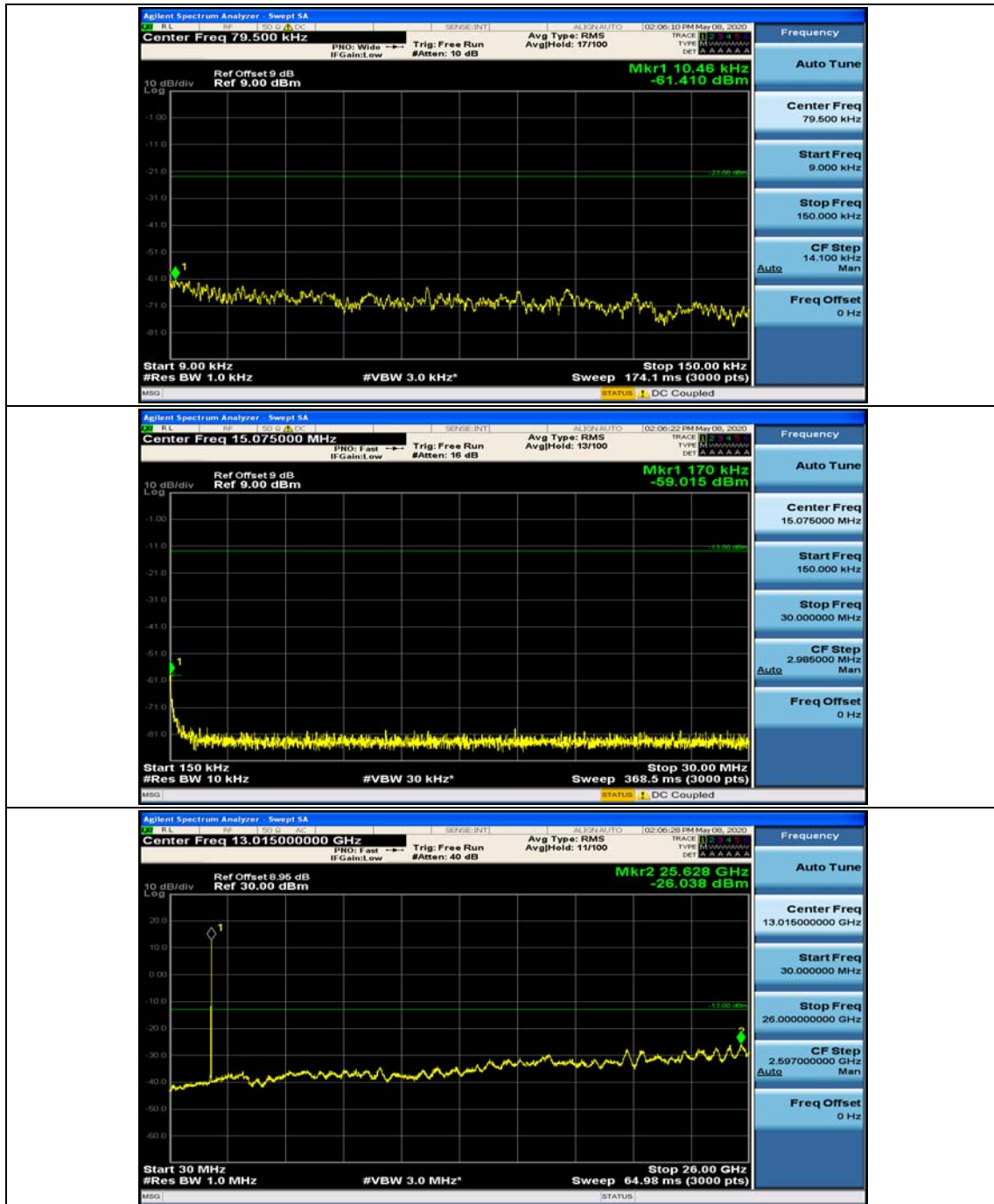


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0



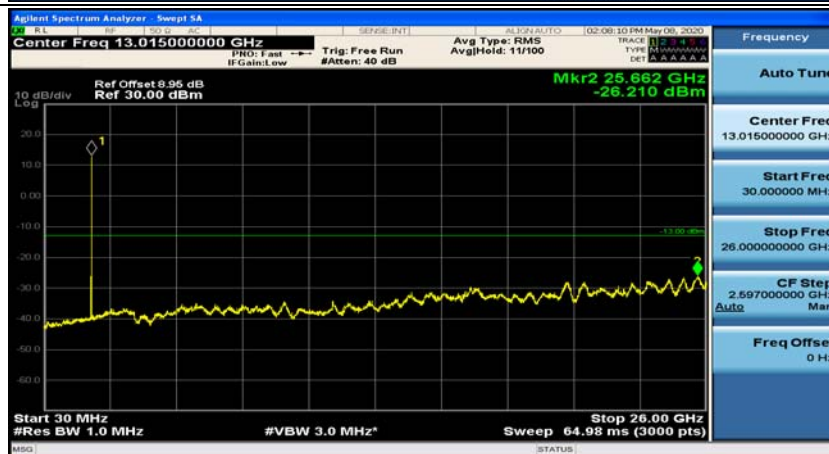
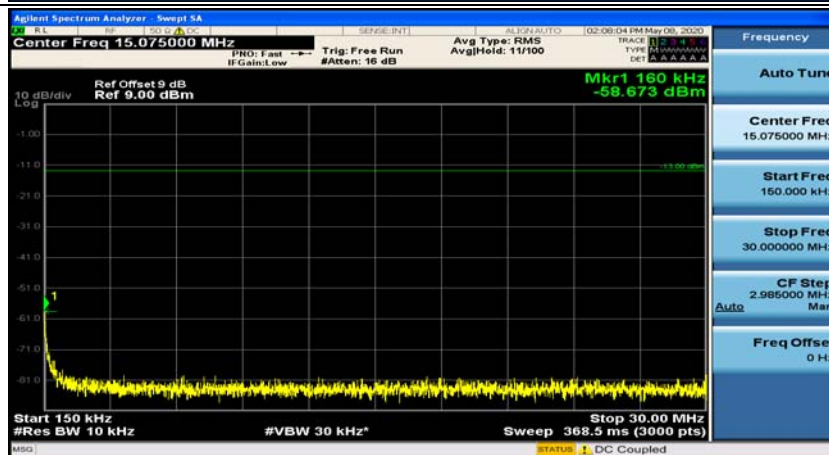
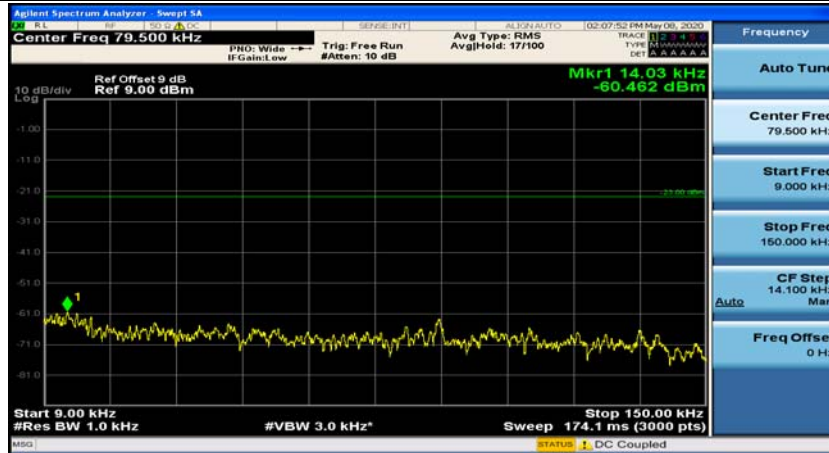
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49



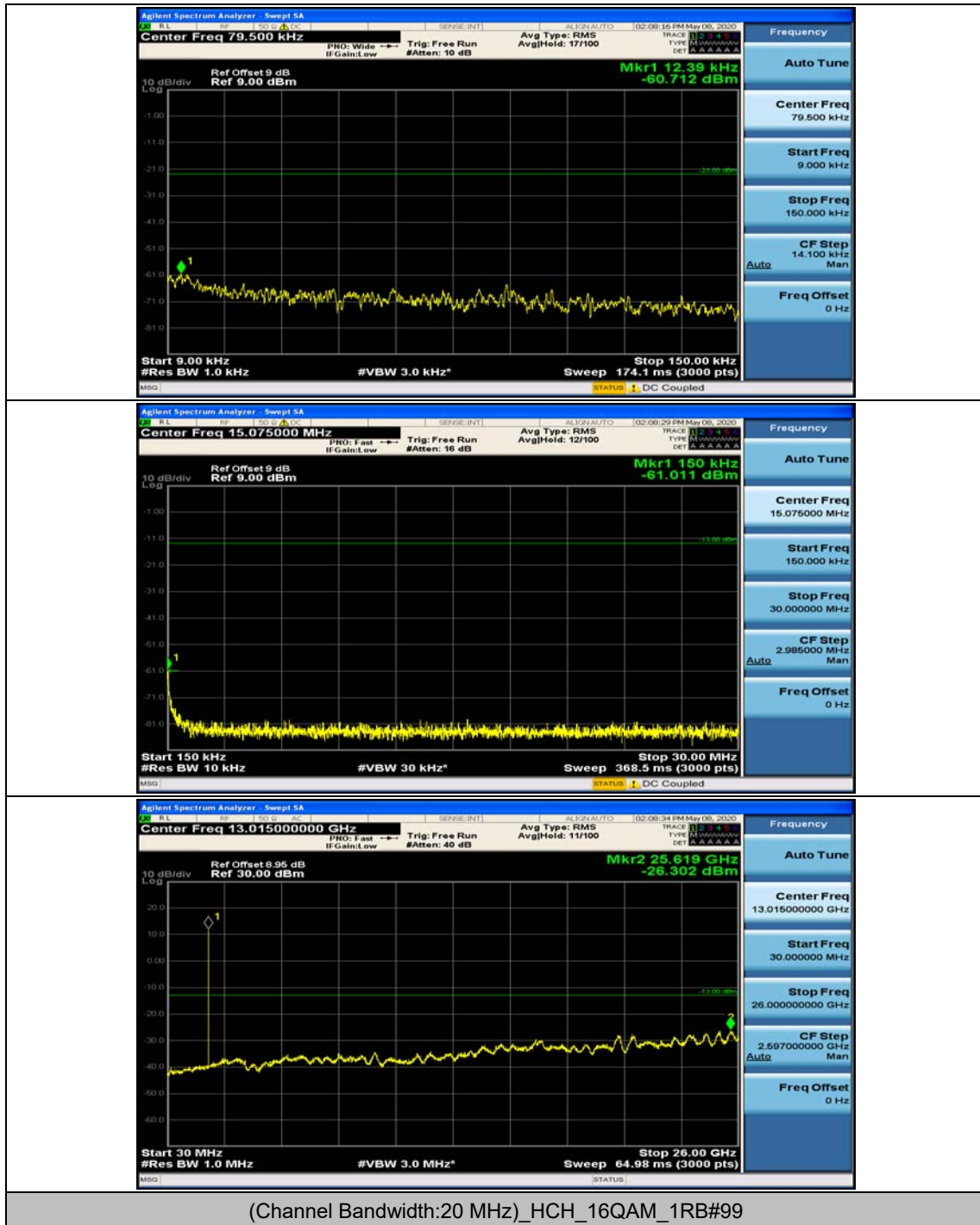


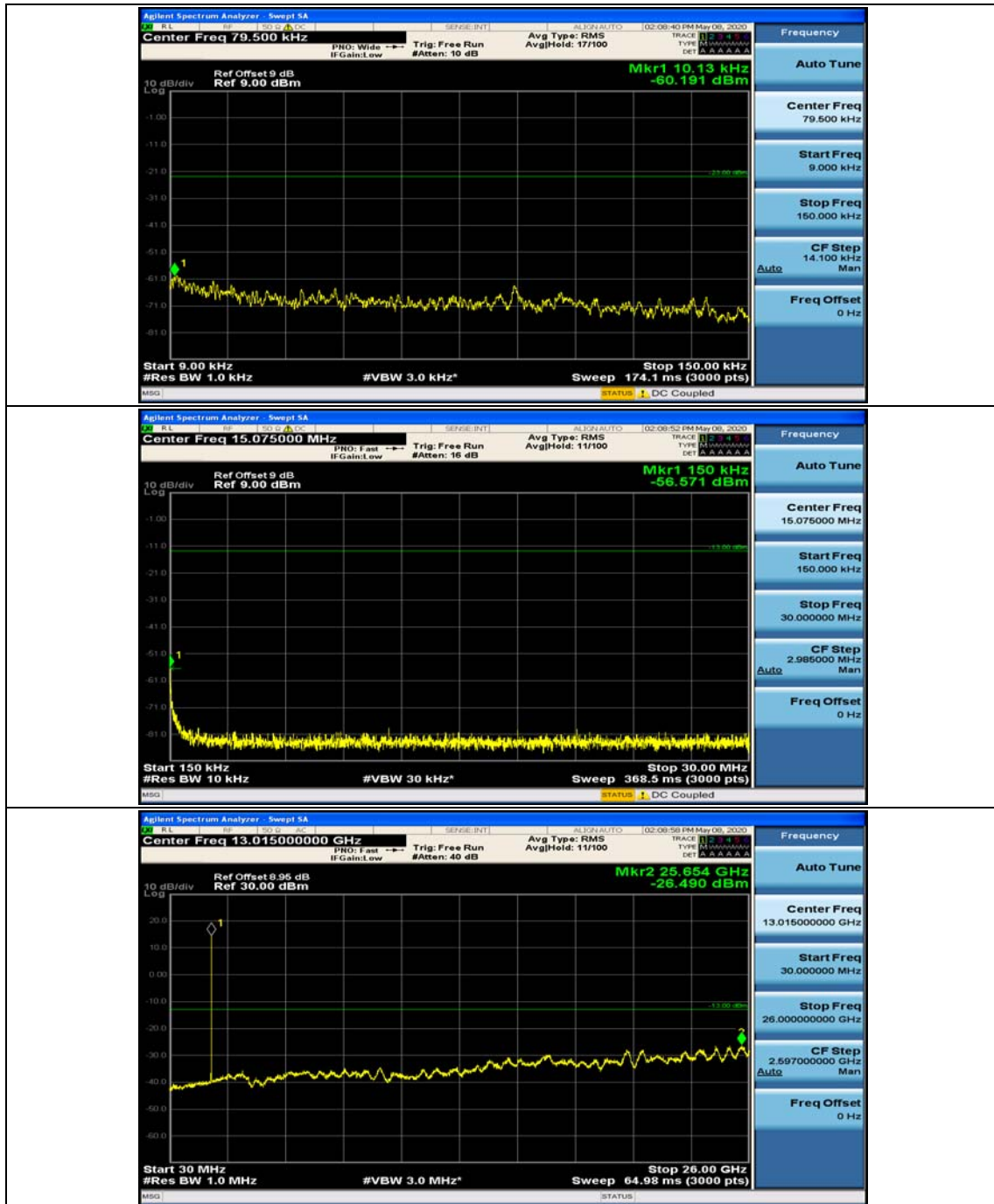


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49







Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.18	0.000638	± 2.5	PASS
		VN	TN	3.97	0.002145	± 2.5	PASS
		VH	TN	1.98	0.001070	± 2.5	PASS
	MCH	VL	TN	-0.53	-0.000282	± 2.5	PASS
		VN	TN	5	0.002660	± 2.5	PASS
		VH	TN	0.88	0.000468	± 2.5	PASS
	HCH	VL	TN	3.75	0.001964	± 2.5	PASS
		VN	TN	4.63	0.002425	± 2.5	PASS
		VH	TN	2.78	0.001456	± 2.5	PASS
16QAM	LCH	VL	TN	2.99	0.001616	± 2.5	PASS
		VN	TN	0.85	0.000459	± 2.5	PASS
		VH	TN	1.65	0.000892	± 2.5	PASS
	MCH	VL	TN	3.67	0.001952	± 2.5	PASS
		VN	TN	3.26	0.001734	± 2.5	PASS
		VH	TN	4.79	0.002548	± 2.5	PASS
	HCH	VL	TN	4.19	0.002195	± 2.5	PASS
		VN	TN	1.6	0.000838	± 2.5	PASS
		VH	TN	0.23	0.000120	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.59	0.000319	± 2.5	PASS
		VN	-20	4.21	0.002275	± 2.5	PASS
		VN	-10	2.53	0.001367	± 2.5	PASS
		VN	0	1.13	0.000611	± 2.5	PASS
		VN	10	2.85	0.001540	± 2.5	PASS
		VN	20	2.4	0.001297	± 2.5	PASS
		VN	30	3.76	0.002032	± 2.5	PASS
		VN	40	-1.8	-0.000973	± 2.5	PASS
	MCH	VN	-30	3.51	0.001867	± 2.5	PASS
		VN	-20	1.93	0.001027	± 2.5	PASS



		VN	-10	1.03	0.000548	± 2.5	PASS		
		VN	0	0.34	0.000181	± 2.5	PASS		
		VN	10	3.54	0.001883	± 2.5	PASS		
		VN	20	-0.31	-0.000165	± 2.5	PASS		
		VN	30	2.42	0.001287	± 2.5	PASS		
		VN	40	2.03	0.001080	± 2.5	PASS		
		VN	50	1.97	0.001048	± 2.5	PASS		
	HCH	VN	-30	-0.07	-0.000037	± 2.5	PASS		
		VN	-20	-1.44	-0.000754	± 2.5	PASS		
		VN	-10	4.22	0.002210	± 2.5	PASS		
		VN	0	-1.13	-0.000592	± 2.5	PASS		
		VN	10	2.68	0.001404	± 2.5	PASS		
		VN	20	3.92	0.002053	± 2.5	PASS		
		VN	30	1.2	0.000629	± 2.5	PASS		
		VN	40	1.42	0.000744	± 2.5	PASS		
		VN	50	3.06	0.001603	± 2.5	PASS		
		16QAM	LCH	VN	-30	-1.89	-0.001021	± 2.5	PASS
				VN	-20	-1.99	-0.001075	± 2.5	PASS
VN	-10			0.59	0.000319	± 2.5	PASS		
VN	0			3.34	0.001805	± 2.5	PASS		
VN	10			-1.2	-0.000648	± 2.5	PASS		
VN	20			-1.56	-0.000843	± 2.5	PASS		
VN	30			-0.8	-0.000432	± 2.5	PASS		
VN	40			1.34	0.000724	± 2.5	PASS		
VN	50			-0.82	-0.000443	± 2.5	PASS		
MCH	VN		-30	0.93	0.000495	± 2.5	PASS		
	VN		-20	0.36	0.000191	± 2.5	PASS		
	VN		-10	-0.35	-0.000186	± 2.5	PASS		
	VN		0	-0.35	-0.000186	± 2.5	PASS		
	VN		10	2.11	0.001122	± 2.5	PASS		
	VN		20	1.04	0.000553	± 2.5	PASS		
	VN		30	2.59	0.001378	± 2.5	PASS		
	VN		40	4.92	0.002617	± 2.5	PASS		
	VN		50	4.2	0.002234	± 2.5	PASS		
HCH	VN		-30	2.4	0.001257	± 2.5	PASS		
	VN		-20	-1.05	-0.000550	± 2.5	PASS		
	VN		-10	1.94	0.001016	± 2.5	PASS		
	VN		0	3.77	0.001975	± 2.5	PASS		
	VN		10	2	0.001048	± 2.5	PASS		
	VN		20	-1.87	-0.000979	± 2.5	PASS		
	VN		30	4.5	0.002357	± 2.5	PASS		



		VN	40	-0.06	-0.000031	± 2.5	PASS
		VN	50	1.86	0.000974	± 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	1.7	0.000918	± 2.5	PASS
		VN	TN	2.73	0.001474	± 2.5	PASS
		VH	TN	4.92	0.002657	± 2.5	PASS
	MCH	VL	TN	2.94	0.001564	± 2.5	PASS
		VN	TN	3.78	0.002011	± 2.5	PASS
		VH	TN	-1.84	-0.000979	± 2.5	PASS
	HCH	VL	TN	-1.19	-0.000624	± 2.5	PASS
		VN	TN	1.53	0.000802	± 2.5	PASS
		VH	TN	3.91	0.002049	± 2.5	PASS
16QAM	LCH	VL	TN	-0.23	-0.000124	± 2.5	PASS
		VN	TN	-1.4	-0.000756	± 2.5	PASS
		VH	TN	2.34	0.001264	± 2.5	PASS
	MCH	VL	TN	0.33	0.000176	± 2.5	PASS
		VN	TN	1.02	0.000543	± 2.5	PASS
		VH	TN	-1.52	-0.000809	± 2.5	PASS
	HCH	VL	TN	3.71	0.001944	± 2.5	PASS
		VN	TN	-0.89	-0.000466	± 2.5	PASS
		VH	TN	0.16	0.000084	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.19	-0.000103	± 2.5	PASS
		VN	-20	-1.35	-0.000729	± 2.5	PASS
		VN	-10	1.56	0.000843	± 2.5	PASS
		VN	0	0.47	0.000254	± 2.5	PASS
		VN	10	0.29	0.000157	± 2.5	PASS
		VN	20	-1.79	-0.000967	± 2.5	PASS
		VN	30	0.25	0.000135	± 2.5	PASS
		VN	40	3.7	0.001998	± 2.5	PASS
		VN	50	3.91	0.002112	± 2.5	PASS
	MCH	VN	-30	-0.42	-0.000223	± 2.5	PASS
		VN	-20	-0.82	-0.000436	± 2.5	PASS
		VN	-10	0.2	0.000106	± 2.5	PASS



		VN	0	3.84	0.002043	± 2.5	PASS		
		VN	10	-1.55	-0.000824	± 2.5	PASS		
		VN	20	4.77	0.002537	± 2.5	PASS		
		VN	30	1.68	0.000894	± 2.5	PASS		
		VN	40	0.12	0.000064	± 2.5	PASS		
		VN	50	3.76	0.002000	± 2.5	PASS		
	HCH	VN	-30	-1.94	-0.001017	± 2.5	PASS		
		VN	-20	-1.06	-0.000555	± 2.5	PASS		
		VN	-10	-1.83	-0.000959	± 2.5	PASS		
		VN	0	0	0.000000	± 2.5	PASS		
		VN	10	2.83	0.001483	± 2.5	PASS		
		VN	20	3.88	0.002033	± 2.5	PASS		
		VN	30	0.57	0.000299	± 2.5	PASS		
		VN	40	-0.4	-0.000210	± 2.5	PASS		
		VN	50	2.01	0.001053	± 2.5	PASS		
		16QAM	LCH	VN	-30	-0.34	-0.000184	± 2.5	PASS
				VN	-20	3.26	0.001761	± 2.5	PASS
				VN	-10	1.39	0.000751	± 2.5	PASS
VN	0			-1.03	-0.000556	± 2.5	PASS		
VN	10			-0.48	-0.000259	± 2.5	PASS		
VN	20			4.72	0.002549	± 2.5	PASS		
VN	30			-1.13	-0.000610	± 2.5	PASS		
VN	40			2.16	0.001167	± 2.5	PASS		
VN	50			1.05	0.000567	± 2.5	PASS		
MCH	VN		-30	-0.62	-0.000330	± 2.5	PASS		
	VN		-20	3	0.001596	± 2.5	PASS		
	VN		-10	2.92	0.001553	± 2.5	PASS		
	VN		0	3.13	0.001665	± 2.5	PASS		
	VN		10	2.79	0.001484	± 2.5	PASS		
	VN		20	-1.27	-0.000676	± 2.5	PASS		
	VN		30	3.05	0.001622	± 2.5	PASS		
	VN		40	3.71	0.001973	± 2.5	PASS		
	VN		50	1.42	0.000755	± 2.5	PASS		
HCH	VN		-30	1.89	0.000990	± 2.5	PASS		
	VN		-20	-1.64	-0.000859	± 2.5	PASS		
	VN		-10	2.52	0.001320	± 2.5	PASS		
	VN		0	-1.04	-0.000545	± 2.5	PASS		
	VN		10	3.15	0.001651	± 2.5	PASS		
	VN		20	1.15	0.000603	± 2.5	PASS		
	VN		30	4.56	0.002389	± 2.5	PASS		
	VN		40	0.94	0.000493	± 2.5	PASS		



		VN	50	1.36	0.000713	± 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	0.8	0.000432	± 2.5	PASS
		VN	TN	-1.65	-0.000891	± 2.5	PASS
		VH	TN	1.91	0.001031	± 2.5	PASS
	MCH	VL	TN	2.11	0.001122	± 2.5	PASS
		VN	TN	-0.84	-0.000447	± 2.5	PASS
		VH	TN	2.13	0.001133	± 2.5	PASS
	HCH	VL	TN	3.2	0.001678	± 2.5	PASS
		VN	TN	2.7	0.001415	± 2.5	PASS
		VH	TN	4.44	0.002328	± 2.5	PASS
16QAM	LCH	VL	TN	3.59	0.001938	± 2.5	PASS
		VN	TN	4.35	0.002348	± 2.5	PASS
		VH	TN	1.57	0.000848	± 2.5	PASS
	MCH	VL	TN	4.76	0.002532	± 2.5	PASS
		VN	TN	3.04	0.001617	± 2.5	PASS
		VH	TN	1.31	0.000697	± 2.5	PASS
	HCH	VL	TN	1.8	0.000944	± 2.5	PASS
		VN	TN	4.1	0.002149	± 2.5	PASS
		VH	TN	3.04	0.001594	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.74	0.002019	± 2.5	PASS
		VN	-20	2.63	0.001420	± 2.5	PASS
		VN	-10	-0.37	-0.000200	± 2.5	PASS
		VN	0	3.93	0.002121	± 2.5	PASS
		VN	10	1.57	0.000848	± 2.5	PASS
		VN	20	3.71	0.002003	± 2.5	PASS
		VN	30	-1.32	-0.000713	± 2.5	PASS
		VN	40	-1.03	-0.000556	± 2.5	PASS
		VN	50	1.09	0.000588	± 2.5	PASS
	MCH	VN	-30	3.02	0.001606	± 2.5	PASS
		VN	-20	0.76	0.000404	± 2.5	PASS
		VN	-10	4.14	0.002202	± 2.5	PASS
		VN	0	4.88	0.002596	± 2.5	PASS



		VN	10	-0.31	-0.000165	± 2.5	PASS
		VN	20	0.11	0.000059	± 2.5	PASS
		VN	30	2.85	0.001516	± 2.5	PASS
		VN	40	3.02	0.001606	± 2.5	PASS
		VN	50	3.19	0.001697	± 2.5	PASS
	HCH	VN	-30	1.6	0.000839	± 2.5	PASS
		VN	-20	3.4	0.001782	± 2.5	PASS
		VN	-10	1.37	0.000718	± 2.5	PASS
		VN	0	2.27	0.001190	± 2.5	PASS
		VN	10	-0.21	-0.000110	± 2.5	PASS
		VN	20	0.94	0.000493	± 2.5	PASS
		VN	30	4.16	0.002181	± 2.5	PASS
		VN	40	1.54	0.000807	± 2.5	PASS
		VN	50	4.21	0.002207	± 2.5	PASS
		16QAM	LCH	VN	-30	-1.07	-0.000578
VN	-20			-0.24	-0.000130	± 2.5	PASS
VN	-10			3.7	0.001997	± 2.5	PASS
VN	0			-1.91	-0.001031	± 2.5	PASS
VN	10			3.76	0.002030	± 2.5	PASS
VN	20			1.14	0.000615	± 2.5	PASS
VN	30			2.77	0.001495	± 2.5	PASS
VN	40			0.71	0.000383	± 2.5	PASS
VN	50			0.98	0.000529	± 2.5	PASS
MCH	VN		-30	0.73	0.000388	± 2.5	PASS
	VN		-20	-0.1	-0.000053	± 2.5	PASS
	VN		-10	0.01	0.000005	± 2.5	PASS
	VN		0	3.01	0.001601	± 2.5	PASS
	VN		10	-1.03	-0.000548	± 2.5	PASS
	VN		20	4.06	0.002160	± 2.5	PASS
	VN		30	-0.26	-0.000138	± 2.5	PASS
	VN		40	4.86	0.002585	± 2.5	PASS
	VN		50	3.87	0.002059	± 2.5	PASS
HCH	VN		-30	-0.2	-0.000105	± 2.5	PASS
	VN		-20	-0.97	-0.000509	± 2.5	PASS
	VN		-10	-0.22	-0.000115	± 2.5	PASS
	VN		0	4.16	0.002181	± 2.5	PASS
	VN		10	2.19	0.001148	± 2.5	PASS
	VN		20	-0.79	-0.000414	± 2.5	PASS
	VN		30	-1.09	-0.000571	± 2.5	PASS
	VN		40	1.75	0.000917	± 2.5	PASS
	VN		50	3.97	0.002081	± 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	2.59	0.001396	± 2.5	PASS
		VN	TN	-1.13	-0.000609	± 2.5	PASS
		VH	TN	1.2	0.000647	± 2.5	PASS
	MCH	VL	TN	3.04	0.001617	± 2.5	PASS
		VN	TN	1.34	0.000713	± 2.5	PASS
		VH	TN	-0.45	-0.000239	± 2.5	PASS
	HCH	VL	TN	4.25	0.002231	± 2.5	PASS
		VN	TN	1.93	0.001013	± 2.5	PASS
		VH	TN	3.08	0.001617	± 2.5	PASS
16QAM	LCH	VL	TN	-0.16	-0.000086	± 2.5	PASS
		VN	TN	-1.67	-0.000900	± 2.5	PASS
		VH	TN	-0.12	-0.000065	± 2.5	PASS
	MCH	VL	TN	2.53	0.001346	± 2.5	PASS
		VN	TN	3.87	0.002059	± 2.5	PASS
		VH	TN	4.31	0.002293	± 2.5	PASS
	HCH	VL	TN	2.79	0.001465	± 2.5	PASS
		VN	TN	3.11	0.001633	± 2.5	PASS
		VH	TN	1.71	0.000898	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.43	-0.000771	± 2.5	PASS
		VN	-20	-1.58	-0.000852	± 2.5	PASS
		VN	-10	-0.44	-0.000237	± 2.5	PASS
		VN	0	4.79	0.002582	± 2.5	PASS
		VN	10	3.76	0.002027	± 2.5	PASS
		VN	20	2.69	0.001450	± 2.5	PASS
		VN	30	0.52	0.000280	± 2.5	PASS
		VN	40	3.21	0.001730	± 2.5	PASS
	MCH	VN	50	1.28	0.000690	± 2.5	PASS
		VN	-30	1.39	0.000739	± 2.5	PASS
		VN	-20	2.33	0.001239	± 2.5	PASS
		VN	-10	-0.86	-0.000457	± 2.5	PASS
		VN	0	-1.16	-0.000617	± 2.5	PASS
		VN	10	4.26	0.002266	± 2.5	PASS
VN	20	-0.72	-0.000383	± 2.5	PASS		



		VN	30	-0.59	-0.000314	± 2.5	PASS
		VN	40	1.31	0.000697	± 2.5	PASS
		VN	50	2.46	0.001309	± 2.5	PASS
	HCH	VN	-30	3.06	0.001606	± 2.5	PASS
		VN	-20	-0.26	-0.000136	± 2.5	PASS
		VN	-10	0.35	0.000184	± 2.5	PASS
		VN	0	1.53	0.000803	± 2.5	PASS
		VN	10	-0.12	-0.000063	± 2.5	PASS
		VN	20	-1.79	-0.000940	± 2.5	PASS
		VN	30	2.57	0.001349	± 2.5	PASS
		VN	40	1.92	0.001008	± 2.5	PASS
		VN	50	3.1	0.001627	± 2.5	PASS
		16QAM	LCH	VN	-30	0.33	0.000178
VN	-20			-0.81	-0.000437	± 2.5	PASS
VN	-10			4.68	0.002523	± 2.5	PASS
VN	0			-0.81	-0.000437	± 2.5	PASS
VN	10			2.16	0.001164	± 2.5	PASS
VN	20			-0.56	-0.000302	± 2.5	PASS
VN	30			2.81	0.001515	± 2.5	PASS
VN	40			-1.55	-0.000836	± 2.5	PASS
VN	50			3.98	0.002146	± 2.5	PASS
MCH	VN		-30	2.05	0.001090	± 2.5	PASS
	VN		-20	-1.41	-0.000750	± 2.5	PASS
	VN		-10	-0.52	-0.000277	± 2.5	PASS
	VN		0	4.85	0.002580	± 2.5	PASS
	VN		10	2.96	0.001574	± 2.5	PASS
	VN		20	2.46	0.001309	± 2.5	PASS
	VN		30	-0.4	-0.000213	± 2.5	PASS
	VN		40	0.27	0.000144	± 2.5	PASS
	VN		50	3.95	0.002101	± 2.5	PASS
HCH	VN		-30	-0.24	-0.000126	± 2.5	PASS
	VN		-20	4.72	0.002478	± 2.5	PASS
	VN		-10	0.24	0.000126	± 2.5	PASS
	VN		0	-1.18	-0.000619	± 2.5	PASS
	VN		10	-1.1	-0.000577	± 2.5	PASS
	VN		20	1.63	0.000856	± 2.5	PASS
	VN		30	-0.27	-0.000142	± 2.5	PASS
	VN		40	1.28	0.000672	± 2.5	PASS
	VN		50	4.66	0.002446	± 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	0.84	0.000452	± 2.5	PASS
		VN	TN	3.21	0.001728	± 2.5	PASS
		VH	TN	1.66	0.000894	± 2.5	PASS
	MCH	VL	TN	1.19	0.000633	± 2.5	PASS
		VN	TN	3.69	0.001963	± 2.5	PASS
		VH	TN	4.28	0.002277	± 2.5	PASS
	HCH	VL	TN	4.9	0.002576	± 2.5	PASS
		VN	TN	2.06	0.001083	± 2.5	PASS
		VH	TN	4.43	0.002329	± 2.5	PASS
16QAM	LCH	VL	TN	0.12	0.000065	± 2.5	PASS
		VN	TN	-0.89	-0.000479	± 2.5	PASS
		VH	TN	1.75	0.000942	± 2.5	PASS
	MCH	VL	TN	3.22	0.001713	± 2.5	PASS
		VN	TN	3.81	0.002027	± 2.5	PASS
		VH	TN	4.11	0.002186	± 2.5	PASS
	HCH	VL	TN	0.34	0.000179	± 2.5	PASS
		VN	TN	0.16	0.000084	± 2.5	PASS
		VH	TN	1.94	0.001020	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.39	-0.000210	± 2.5	PASS
		VN	-20	-1.4	-0.000754	± 2.5	PASS
		VN	-10	2.43	0.001308	± 2.5	PASS
		VN	0	4.14	0.002229	± 2.5	PASS
		VN	10	4.5	0.002423	± 2.5	PASS
		VN	20	4.65	0.002503	± 2.5	PASS
		VN	30	4.04	0.002175	± 2.5	PASS
		VN	40	1.07	0.000576	± 2.5	PASS
		VN	50	1.49	0.000802	± 2.5	PASS
	MCH	VN	-30	2.69	0.001431	± 2.5	PASS
		VN	-20	3.43	0.001824	± 2.5	PASS
		VN	-10	-1.76	-0.000936	± 2.5	PASS
		VN	0	4.93	0.002622	± 2.5	PASS
		VN	10	-0.18	-0.000096	± 2.5	PASS
		VN	20	1.15	0.000612	± 2.5	PASS



		VN	30	-1.94	-0.001032	± 2.5	PASS
		VN	40	-0.01	-0.000005	± 2.5	PASS
		VN	50	3.59	0.001910	± 2.5	PASS
	HCH	VN	-30	-1.94	-0.001020	± 2.5	PASS
		VN	-20	4.71	0.002476	± 2.5	PASS
		VN	-10	1.74	0.000915	± 2.5	PASS
		VN	0	4.64	0.002439	± 2.5	PASS
		VN	10	2.04	0.001072	± 2.5	PASS
		VN	20	2.24	0.001177	± 2.5	PASS
		VN	30	3.28	0.001724	± 2.5	PASS
		VN	40	3.23	0.001698	± 2.5	PASS
		VN	50	0.39	0.000205	± 2.5	PASS
		16QAM	LCH	VN	-30	-0.85	-0.000458
VN	-20			0.17	0.000092	± 2.5	PASS
VN	-10			3.5	0.001884	± 2.5	PASS
VN	0			1.62	0.000872	± 2.5	PASS
VN	10			0.7	0.000377	± 2.5	PASS
VN	20			0	0.000000	± 2.5	PASS
VN	30			4.66	0.002509	± 2.5	PASS
VN	40			3.91	0.002105	± 2.5	PASS
VN	50			0.78	0.000420	± 2.5	PASS
MCH	VN		-30	3.58	0.001904	± 2.5	PASS
	VN		-20	4.74	0.002521	± 2.5	PASS
	VN		-10	-1.22	-0.000649	± 2.5	PASS
	VN		0	4.4	0.002340	± 2.5	PASS
	VN		10	1.8	0.000957	± 2.5	PASS
	VN		20	-1.09	-0.000580	± 2.5	PASS
	VN		30	-0.1	-0.000053	± 2.5	PASS
	VN		40	4.46	0.002372	± 2.5	PASS
	VN		50	1.59	0.000846	± 2.5	PASS
HCH	VN		-30	2.69	0.001414	± 2.5	PASS
	VN		-20	3.12	0.001640	± 2.5	PASS
	VN		-10	-1.02	-0.000536	± 2.5	PASS
	VN		0	0.85	0.000447	± 2.5	PASS
	VN		10	-1.17	-0.000615	± 2.5	PASS
	VN		20	-0.69	-0.000363	± 2.5	PASS
	VN		30	4.81	0.002528	± 2.5	PASS
	VN		40	1.73	0.000909	± 2.5	PASS
	VN		50	4.76	0.002502	± 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	-1.31	-0.000704	± 2.5	PASS
		VN	TN	-0.85	-0.000457	± 2.5	PASS
		VH	TN	2.73	0.001468	± 2.5	PASS
	MCH	VL	TN	-1.66	-0.000883	± 2.5	PASS
		VN	TN	5	0.002660	± 2.5	PASS
		VH	TN	0.79	0.000420	± 2.5	PASS
	HCH	VL	TN	-0.97	-0.000511	± 2.5	PASS
		VN	TN	4.89	0.002574	± 2.5	PASS
		VH	TN	2.57	0.001353	± 2.5	PASS
16QAM	LCH	VL	TN	-0.72	-0.000387	± 2.5	PASS
		VN	TN	0.54	0.000290	± 2.5	PASS
		VH	TN	3.45	0.001855	± 2.5	PASS
	MCH	VL	TN	2.48	0.001319	± 2.5	PASS
		VN	TN	0.84	0.000447	± 2.5	PASS
		VH	TN	-0.07	-0.000037	± 2.5	PASS
	HCH	VL	TN	3.89	0.002047	± 2.5	PASS
		VN	TN	0.7	0.000368	± 2.5	PASS
		VH	TN	-0.19	-0.000100	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.37	0.001274	± 2.5	PASS
		VN	-20	2.66	0.001430	± 2.5	PASS
		VN	-10	0.5	0.000269	± 2.5	PASS
		VN	0	4.2	0.002258	± 2.5	PASS
		VN	10	-0.92	-0.000495	± 2.5	PASS
		VN	20	4.5	0.002419	± 2.5	PASS
		VN	30	1.83	0.000984	± 2.5	PASS
		VN	40	-0.28	-0.000151	± 2.5	PASS
		VN	50	0.29	0.000156	± 2.5	PASS
	MCH	VN	-30	4.77	0.002537	± 2.5	PASS
		VN	-20	0.69	0.000367	± 2.5	PASS
		VN	-10	2.83	0.001505	± 2.5	PASS
		VN	0	3.5	0.001862	± 2.5	PASS
		VN	10	4.58	0.002436	± 2.5	PASS
		VN	20	3.49	0.001856	± 2.5	PASS



		VN	30	2.26	0.001202	± 2.5	PASS
		VN	40	1.27	0.000676	± 2.5	PASS
		VN	50	2.32	0.001234	± 2.5	PASS
	HCH	VN	-30	1.5	0.000789	± 2.5	PASS
		VN	-20	-1.48	-0.000779	± 2.5	PASS
		VN	-10	0.2	0.000105	± 2.5	PASS
		VN	0	0.45	0.000237	± 2.5	PASS
		VN	10	4.56	0.002400	± 2.5	PASS
		VN	20	3.59	0.001889	± 2.5	PASS
		VN	30	3.28	0.001726	± 2.5	PASS
		VN	40	-0.93	-0.000489	± 2.5	PASS
		VN	50	2.6	0.001368	± 2.5	PASS
16QAM	LCH	VN	-30	4.58	0.002462	± 2.5	PASS
		VN	-20	2.03	0.001091	± 2.5	PASS
		VN	-10	2.75	0.001478	± 2.5	PASS
		VN	0	-0.81	-0.000435	± 2.5	PASS
		VN	10	4.79	0.002575	± 2.5	PASS
		VN	20	1.61	0.000866	± 2.5	PASS
		VN	30	2.55	0.001371	± 2.5	PASS
		VN	40	-0.91	-0.000489	± 2.5	PASS
		VN	50	-0.94	-0.000505	± 2.5	PASS
	MCH	VN	-30	-0.35	-0.000186	± 2.5	PASS
		VN	-20	0.52	0.000277	± 2.5	PASS
		VN	-10	-1.01	-0.000537	± 2.5	PASS
		VN	0	4.33	0.002303	± 2.5	PASS
		VN	10	0.1	0.000053	± 2.5	PASS
		VN	20	4.86	0.002585	± 2.5	PASS
		VN	30	0.42	0.000223	± 2.5	PASS
		VN	40	-1.8	-0.000957	± 2.5	PASS
		VN	50	-0.57	-0.000303	± 2.5	PASS
	HCH	VN	-30	0.16	0.000084	± 2.5	PASS
		VN	-20	0.12	0.000063	± 2.5	PASS
		VN	-10	0.34	0.000179	± 2.5	PASS
		VN	0	1.55	0.000816	± 2.5	PASS
		VN	10	1.43	0.000753	± 2.5	PASS
		VN	20	4.21	0.002216	± 2.5	PASS
		VN	30	1.53	0.000805	± 2.5	PASS
		VN	40	0.16	0.000084	± 2.5	PASS
		VN	50	4.62	0.002432	± 2.5	PASS