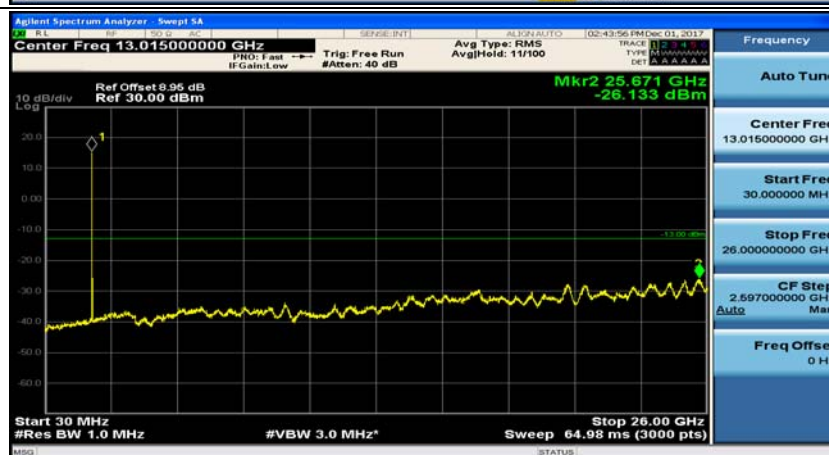
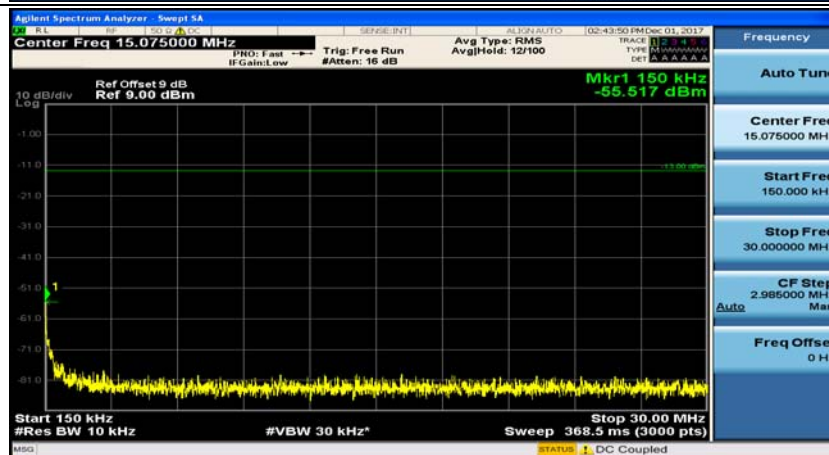
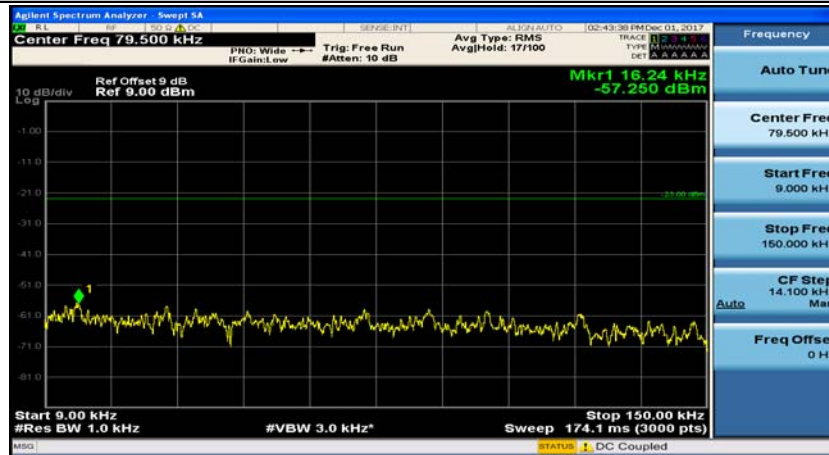
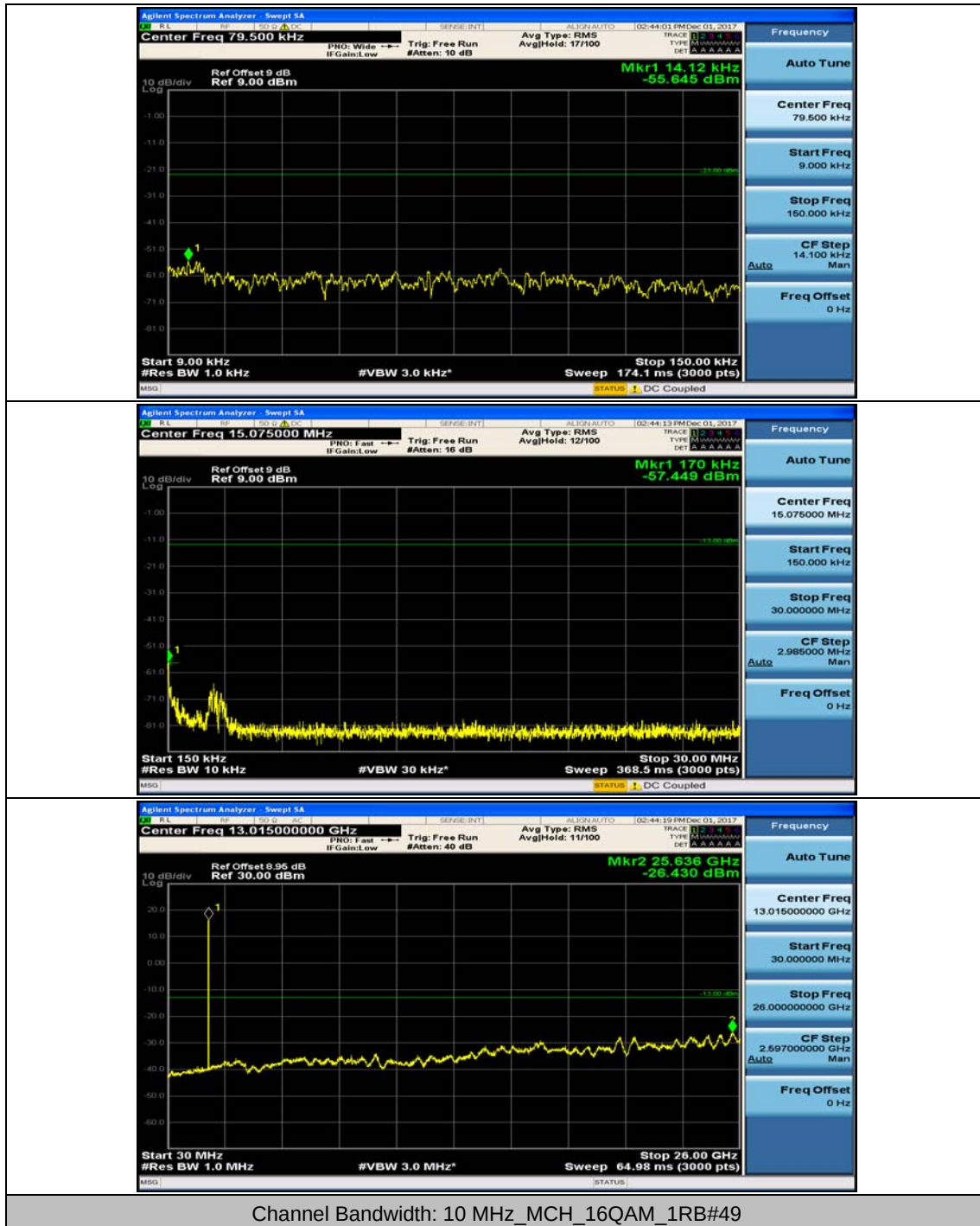
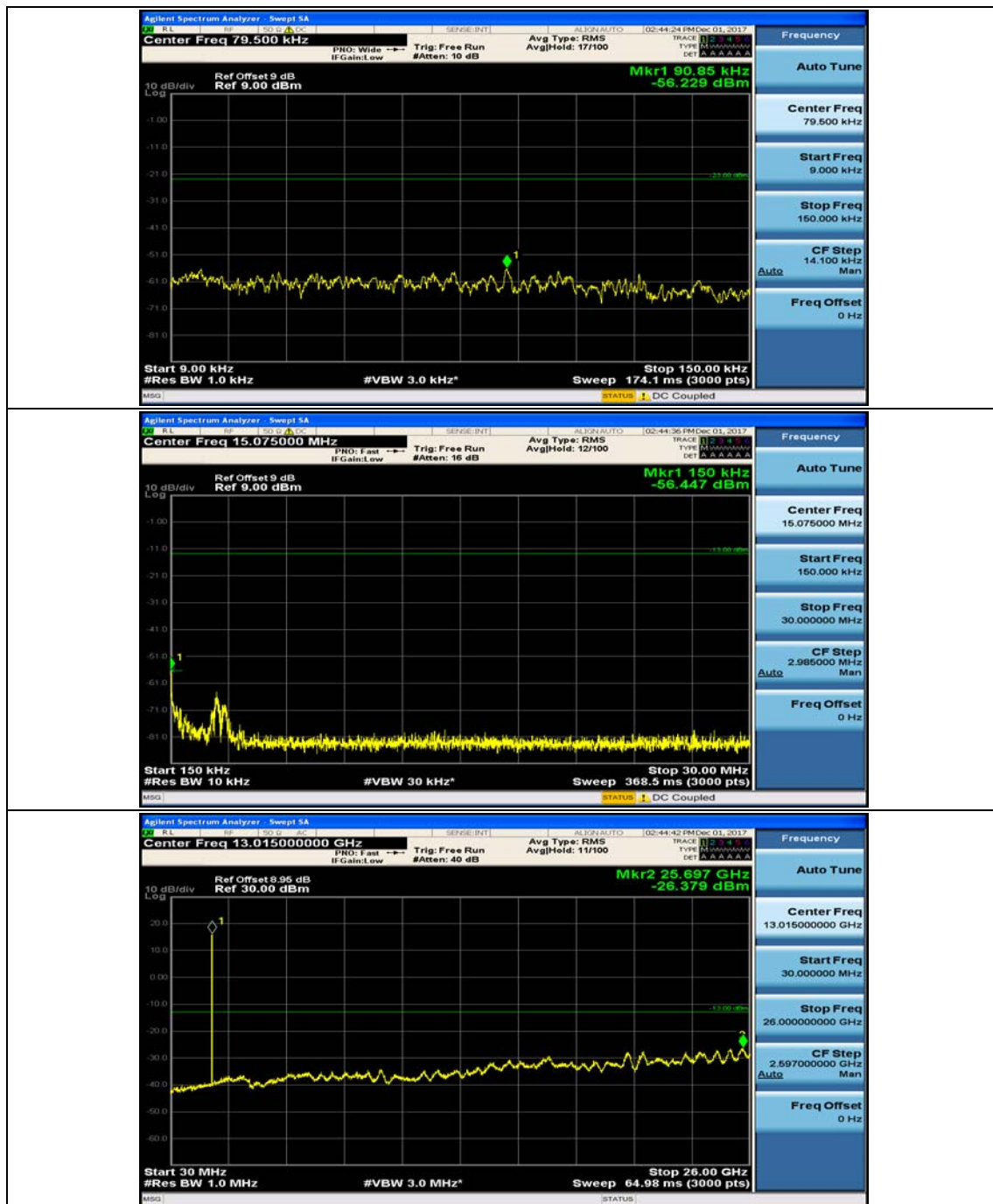


Channel Bandwidth: 10 MHz_MCH_16QAM_1RB#0

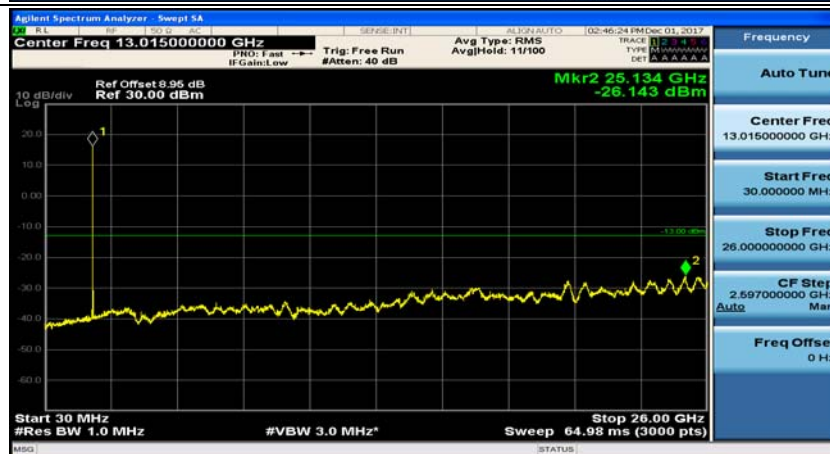
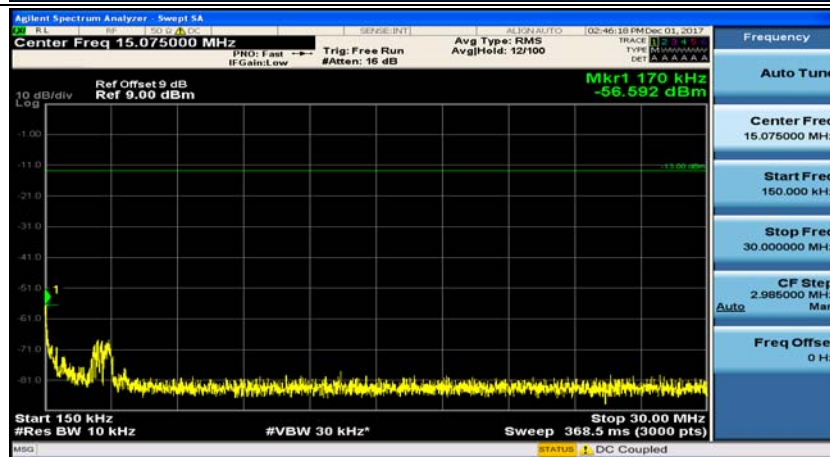
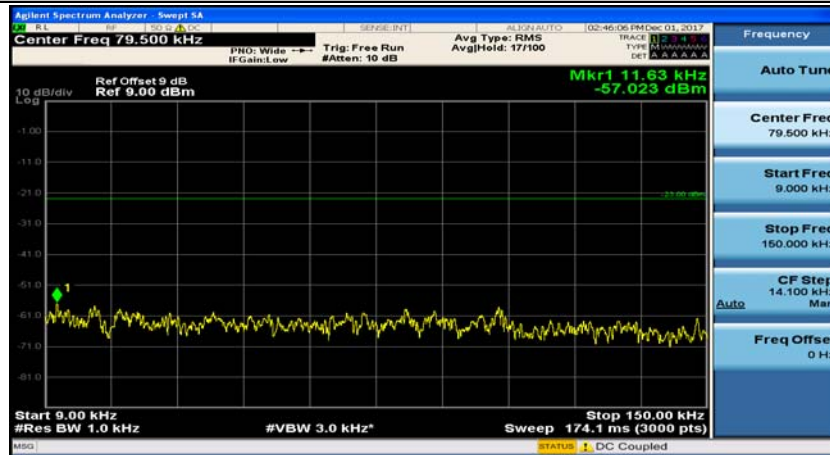


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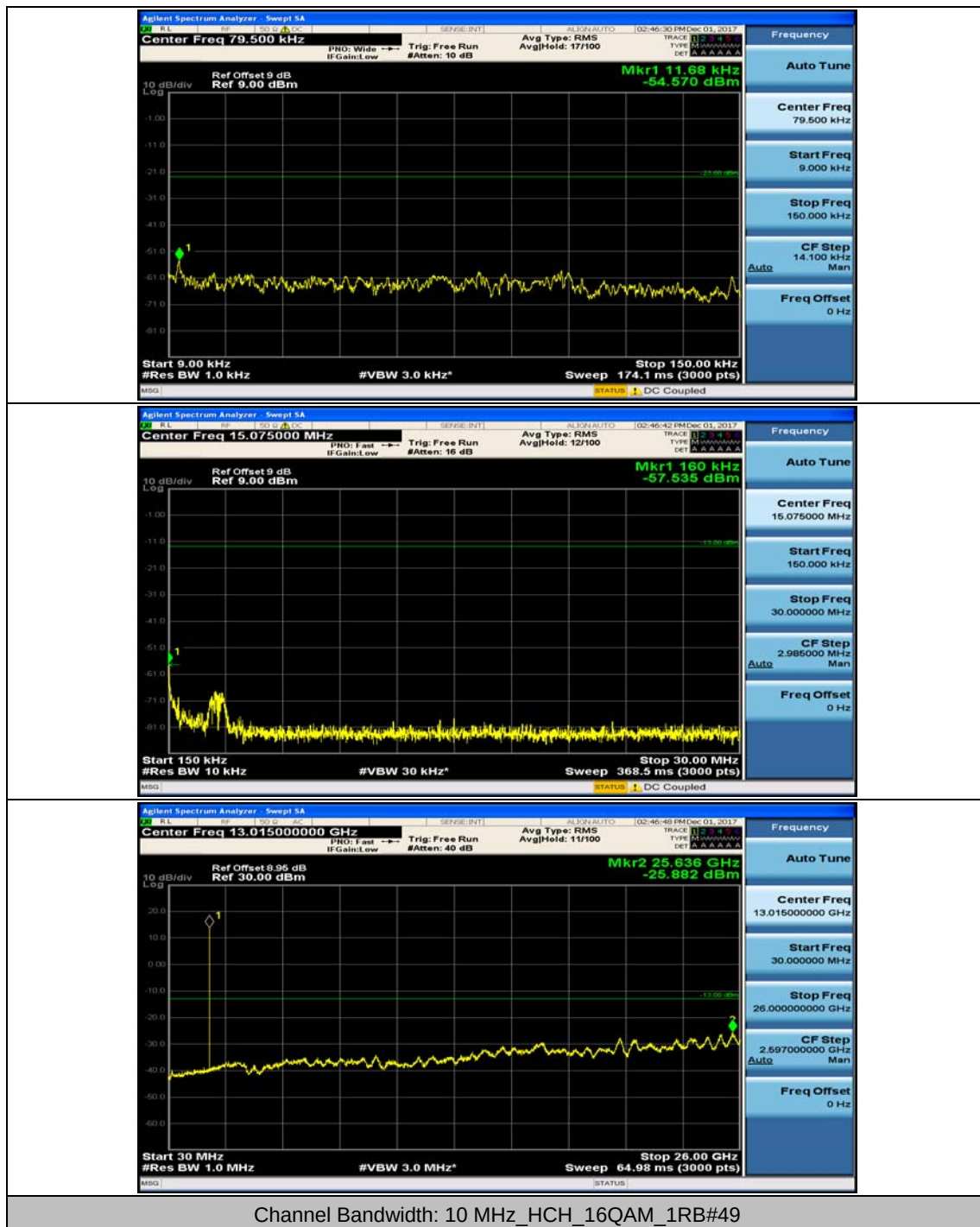


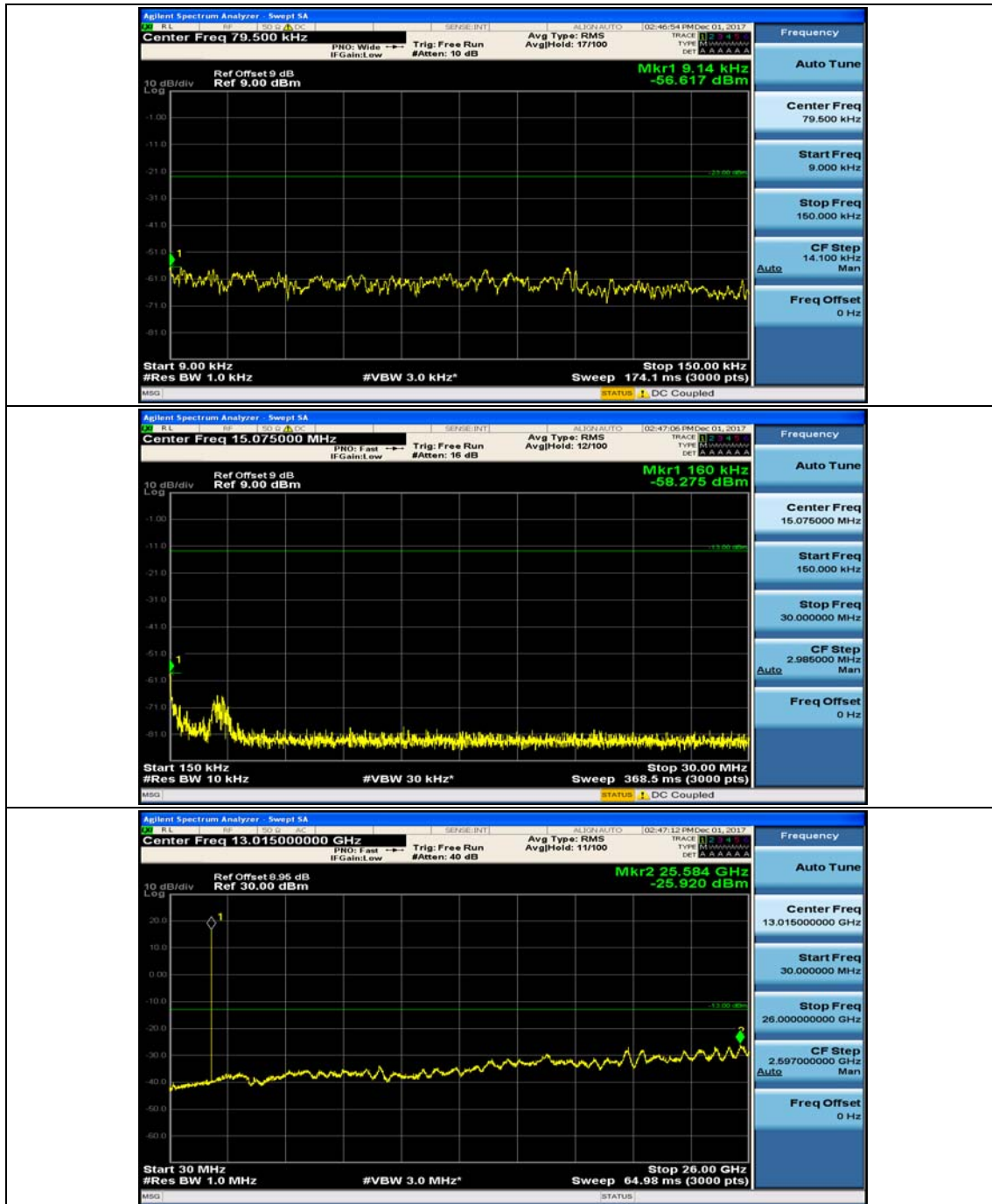


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

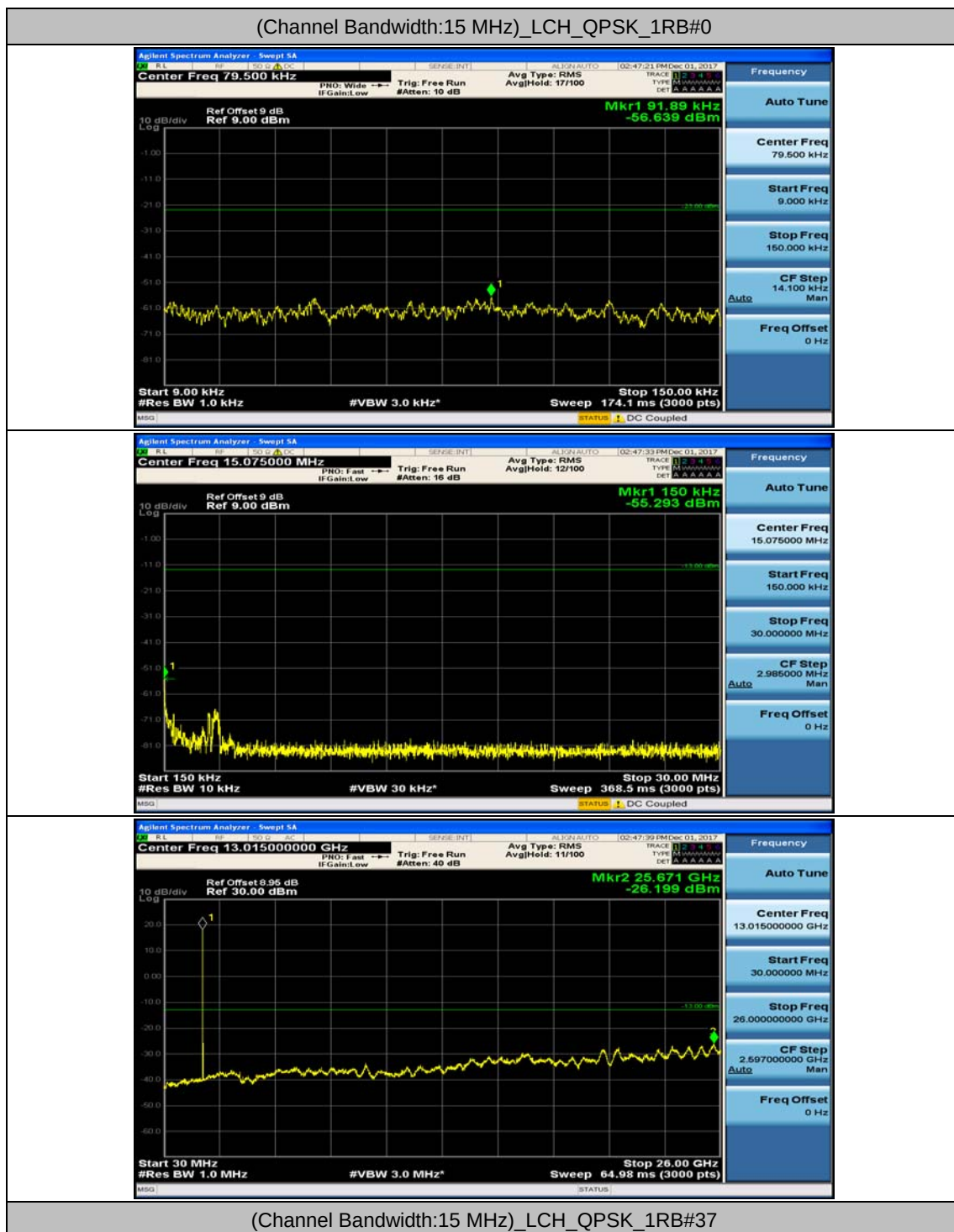


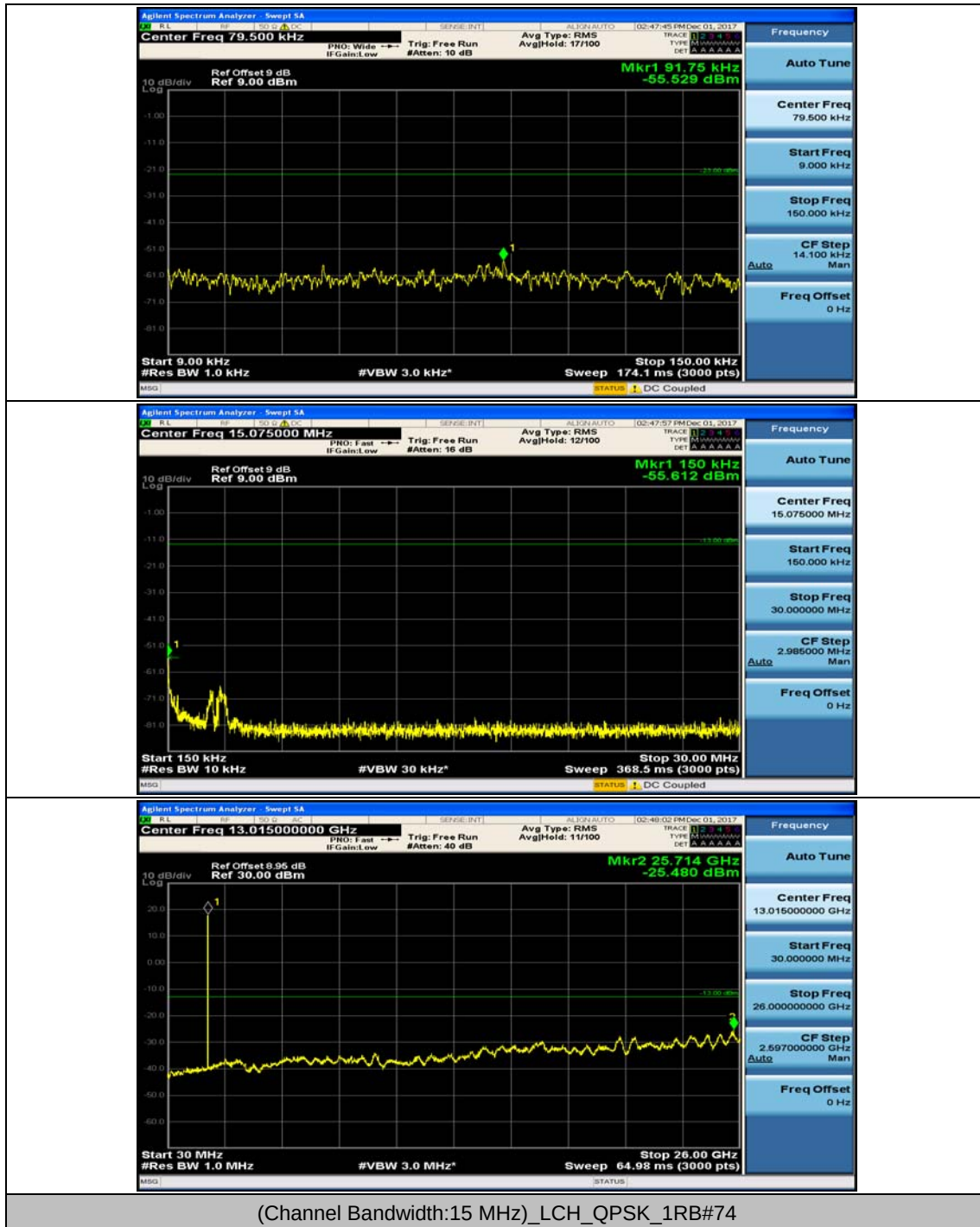
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

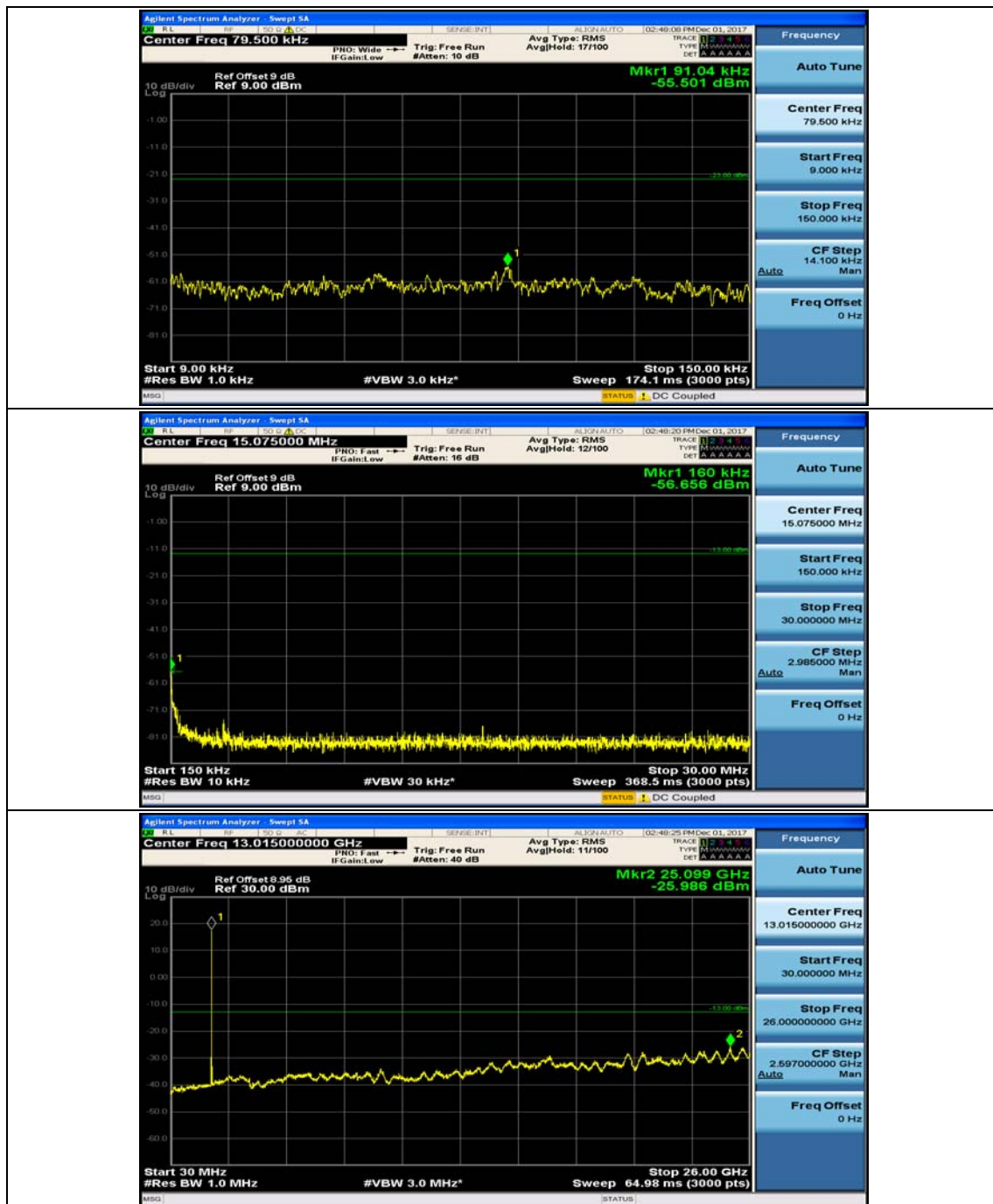




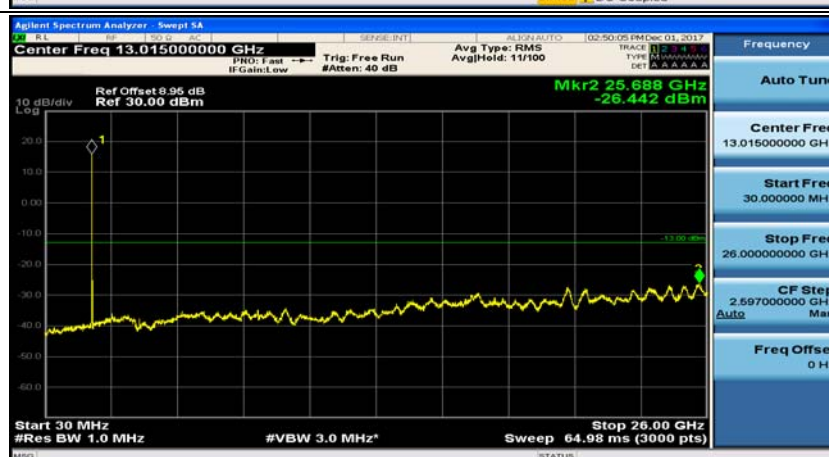
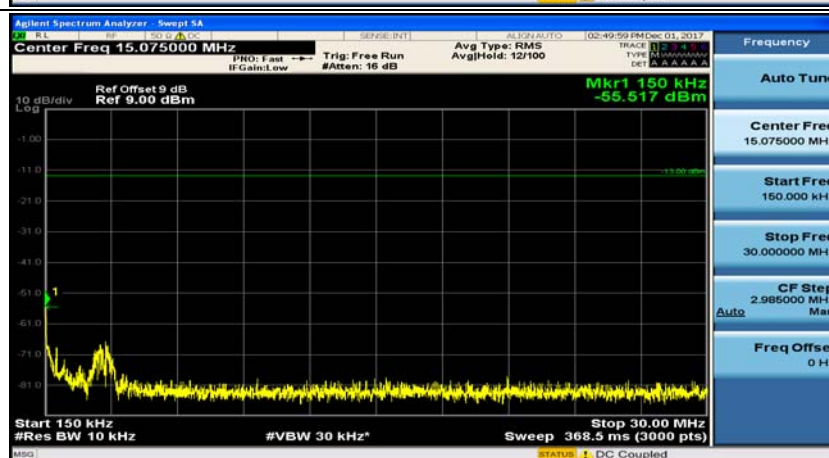
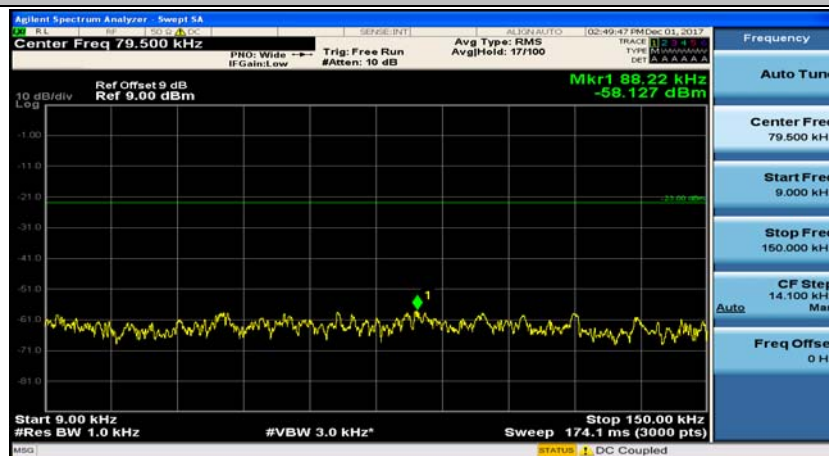
Channel Bandwidth: 15 MHz



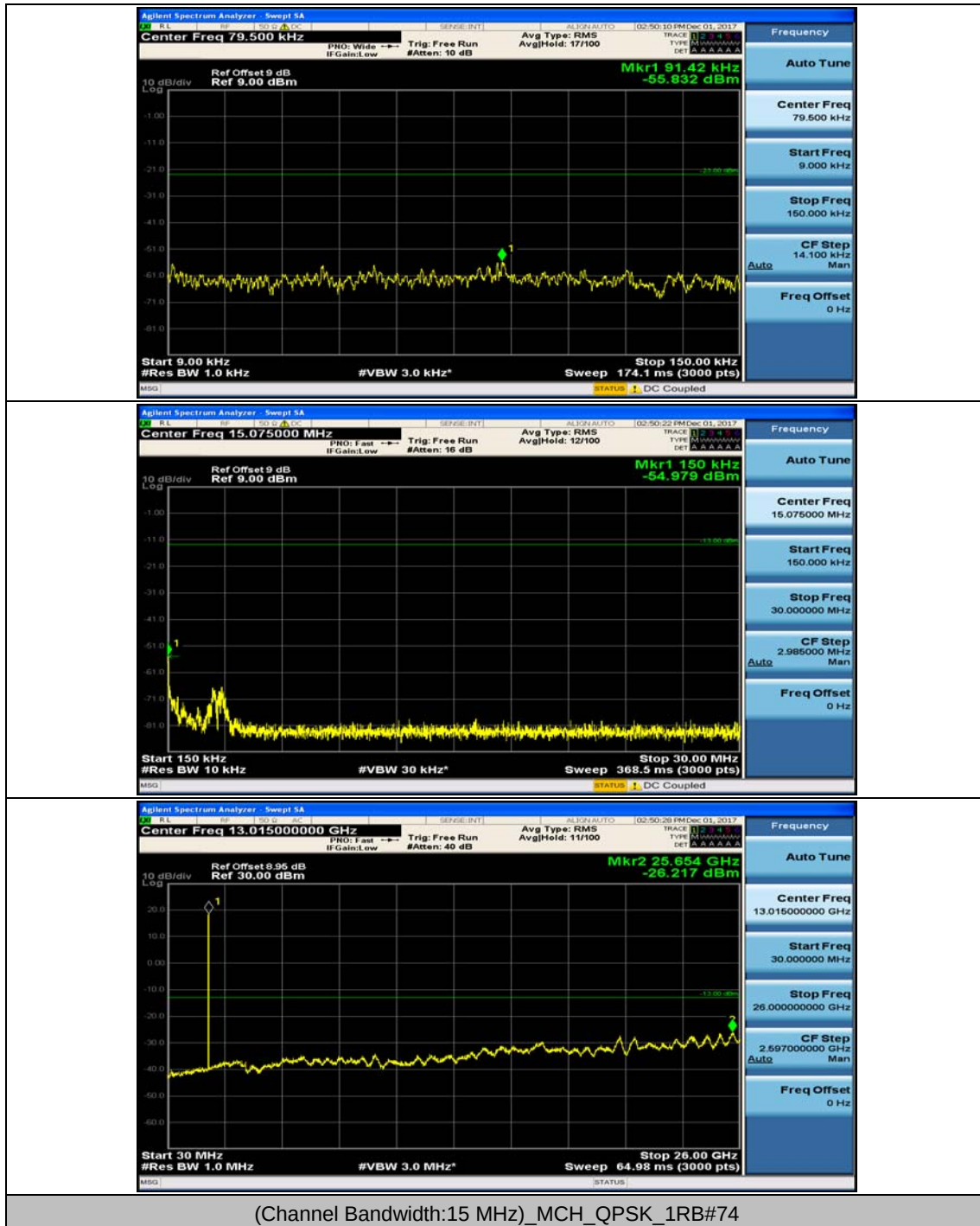


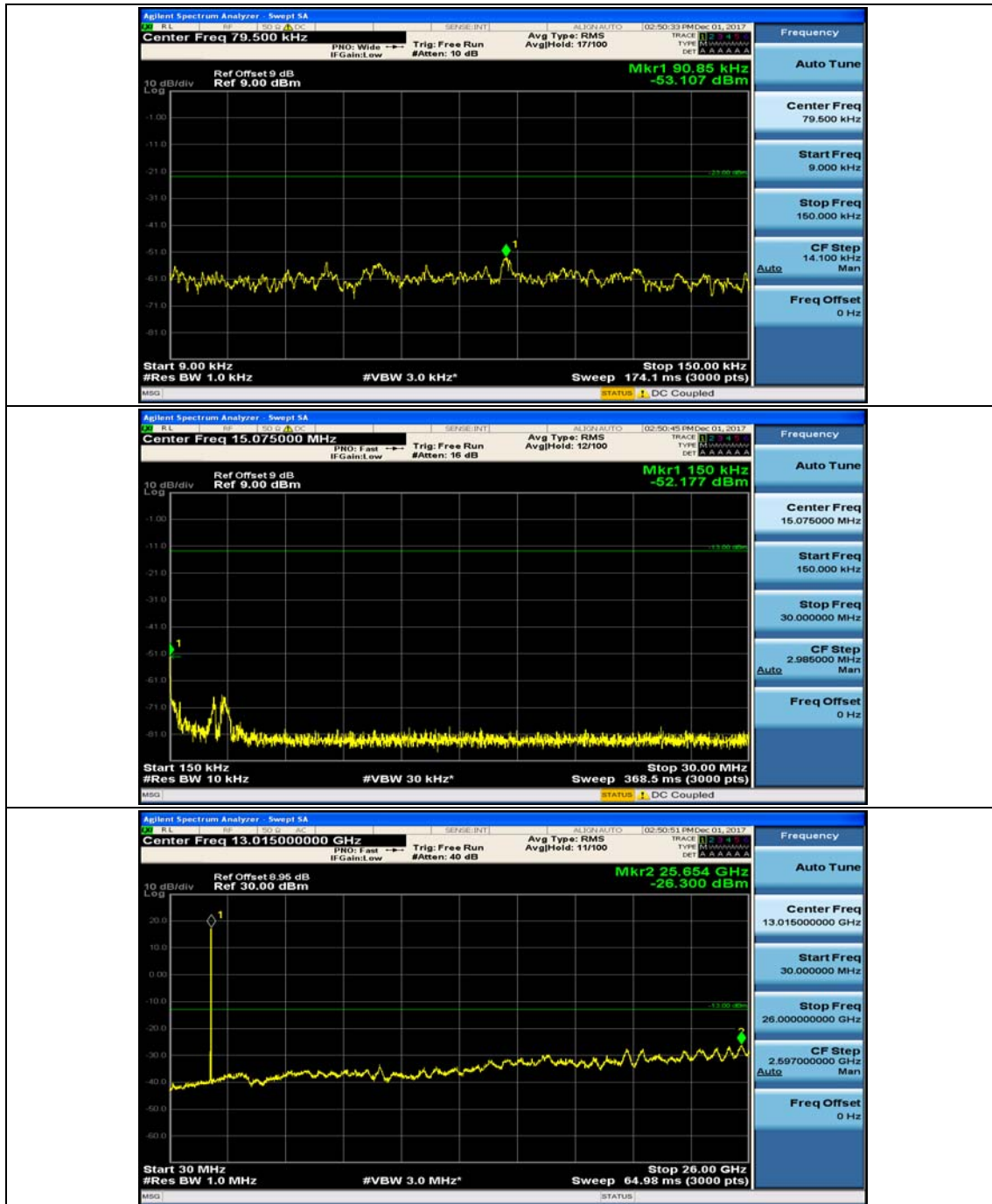


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

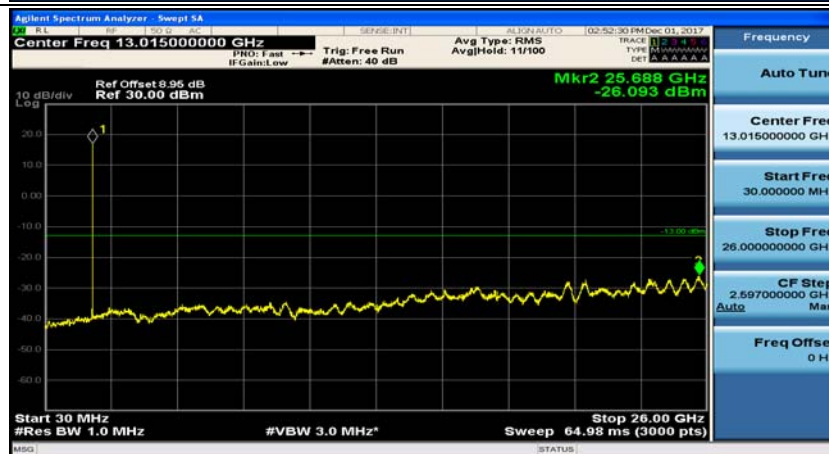
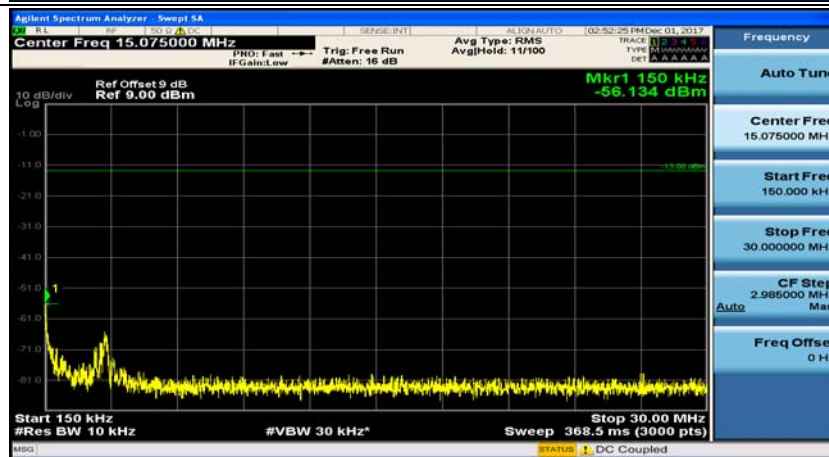


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

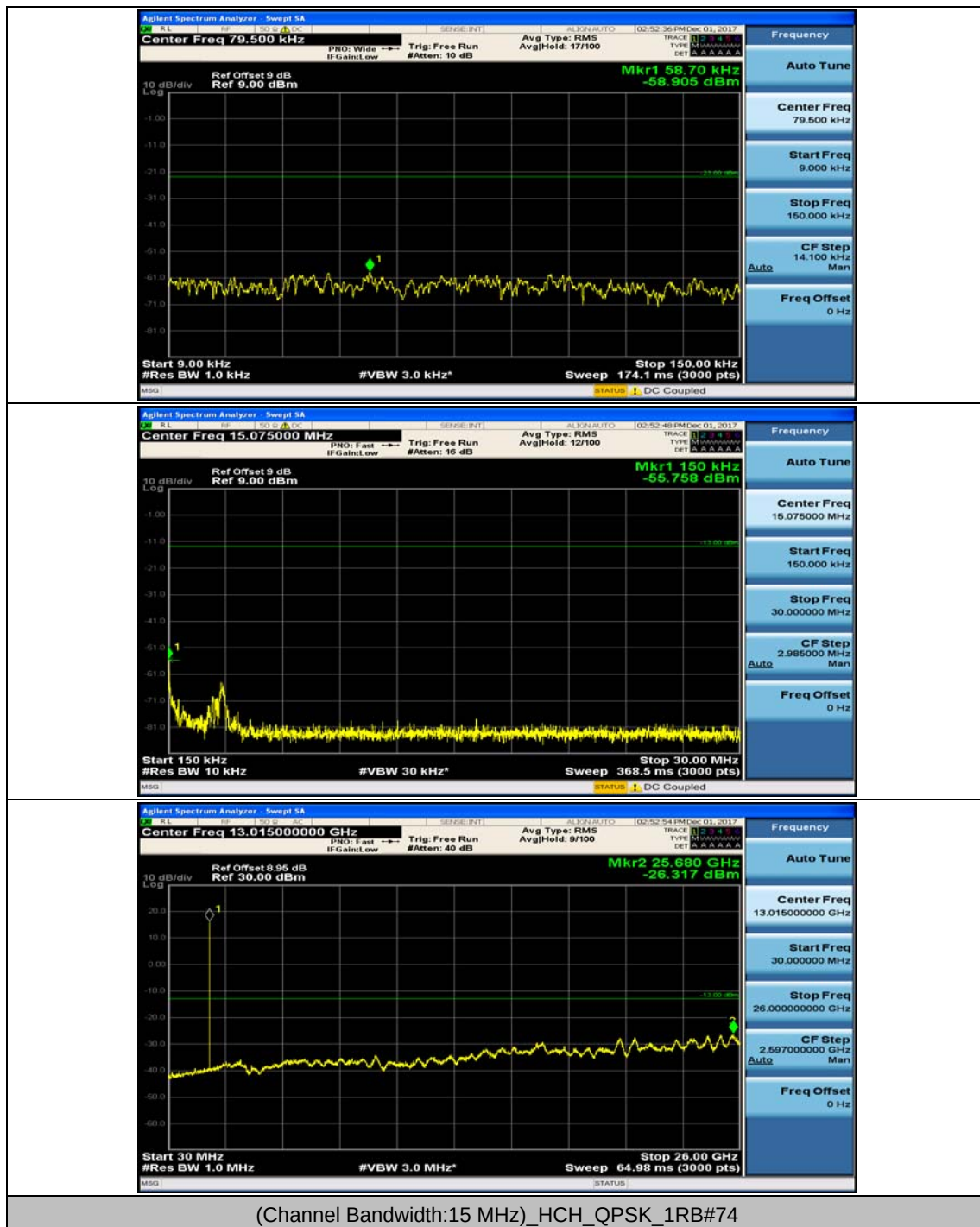


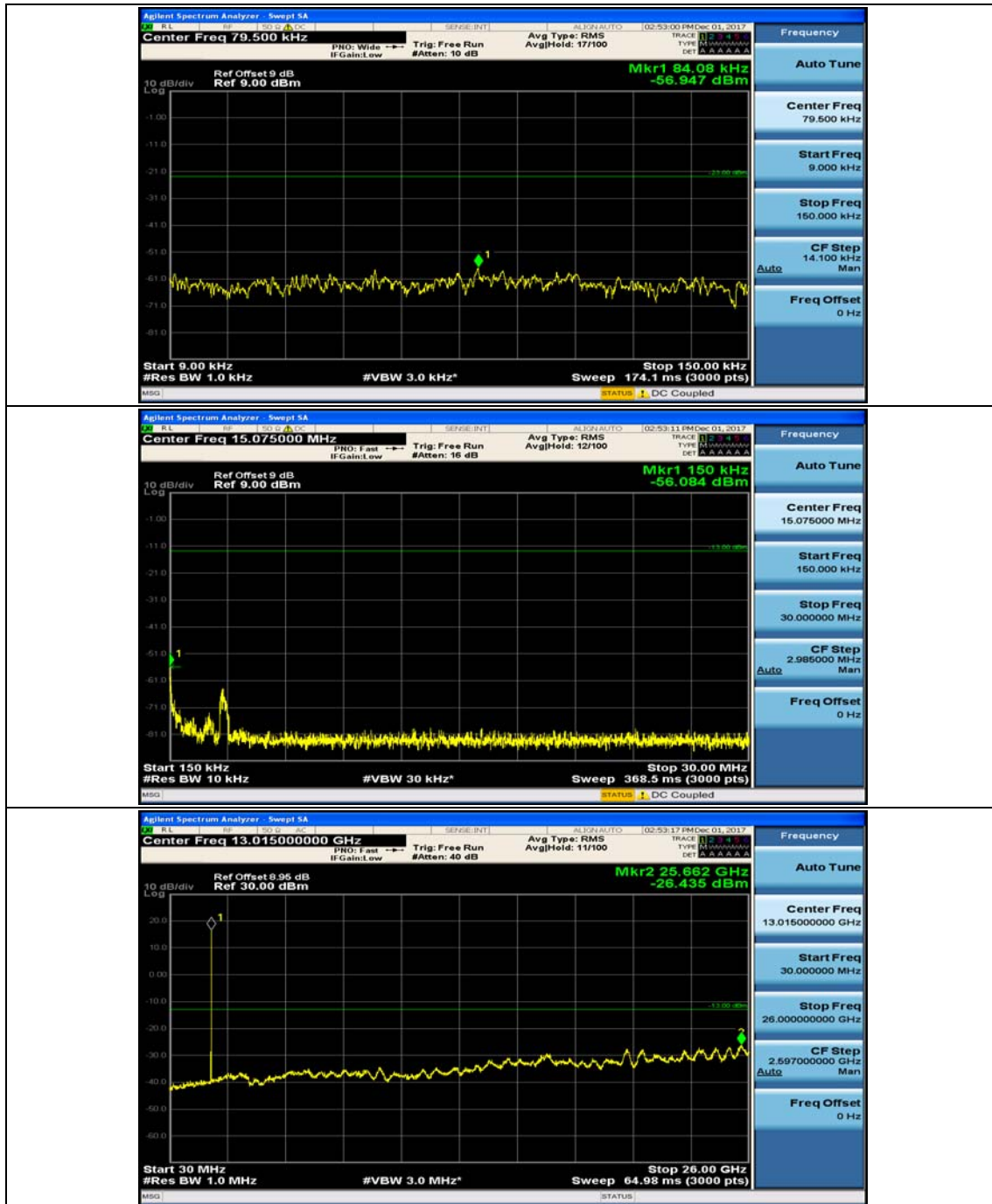


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

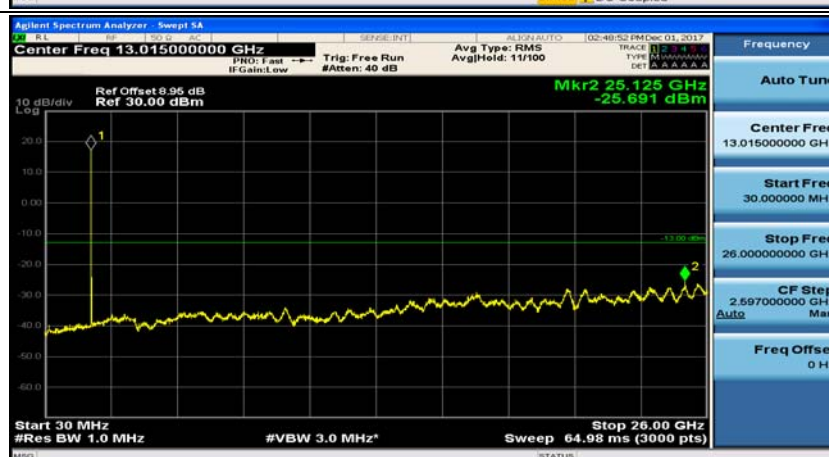
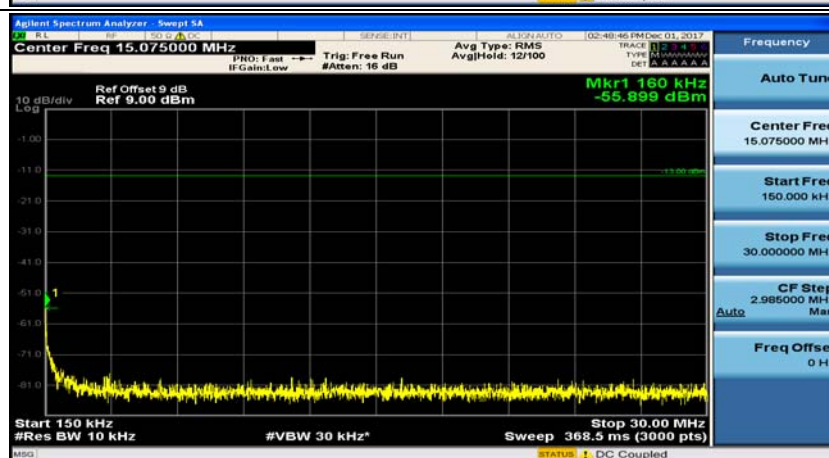
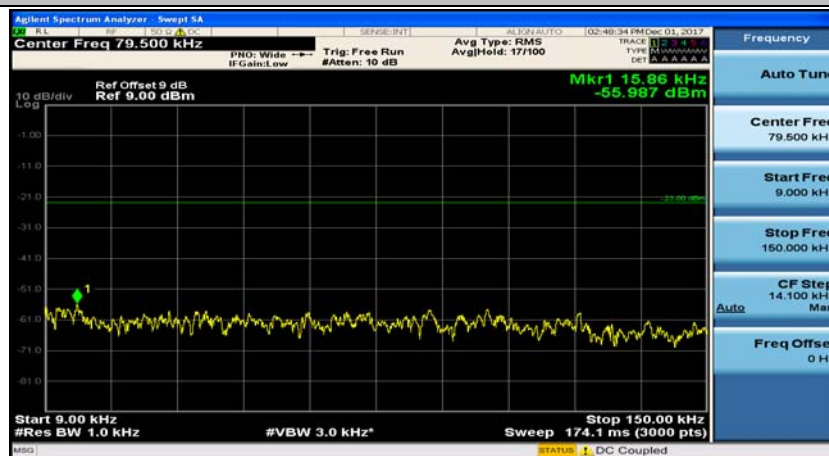


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

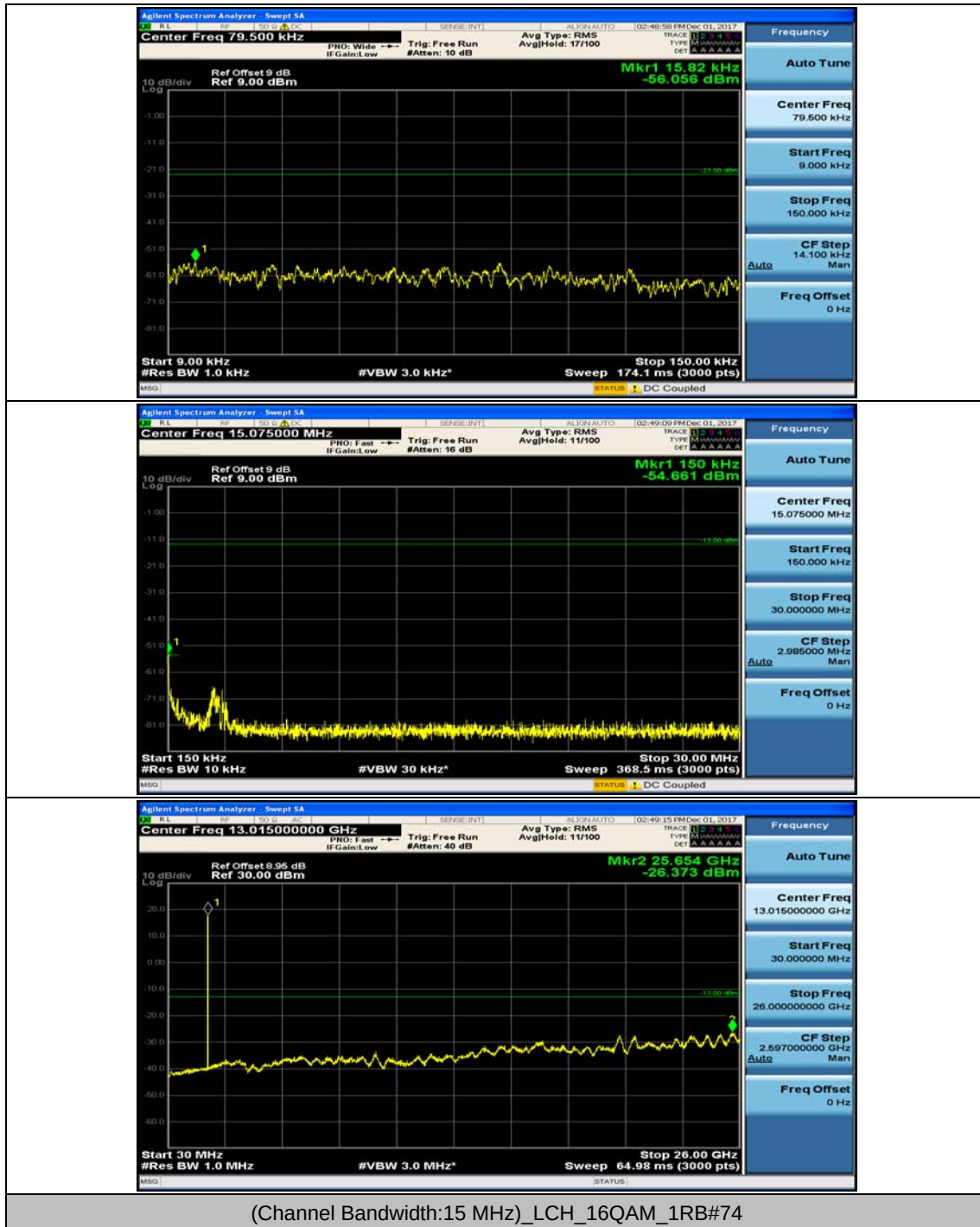


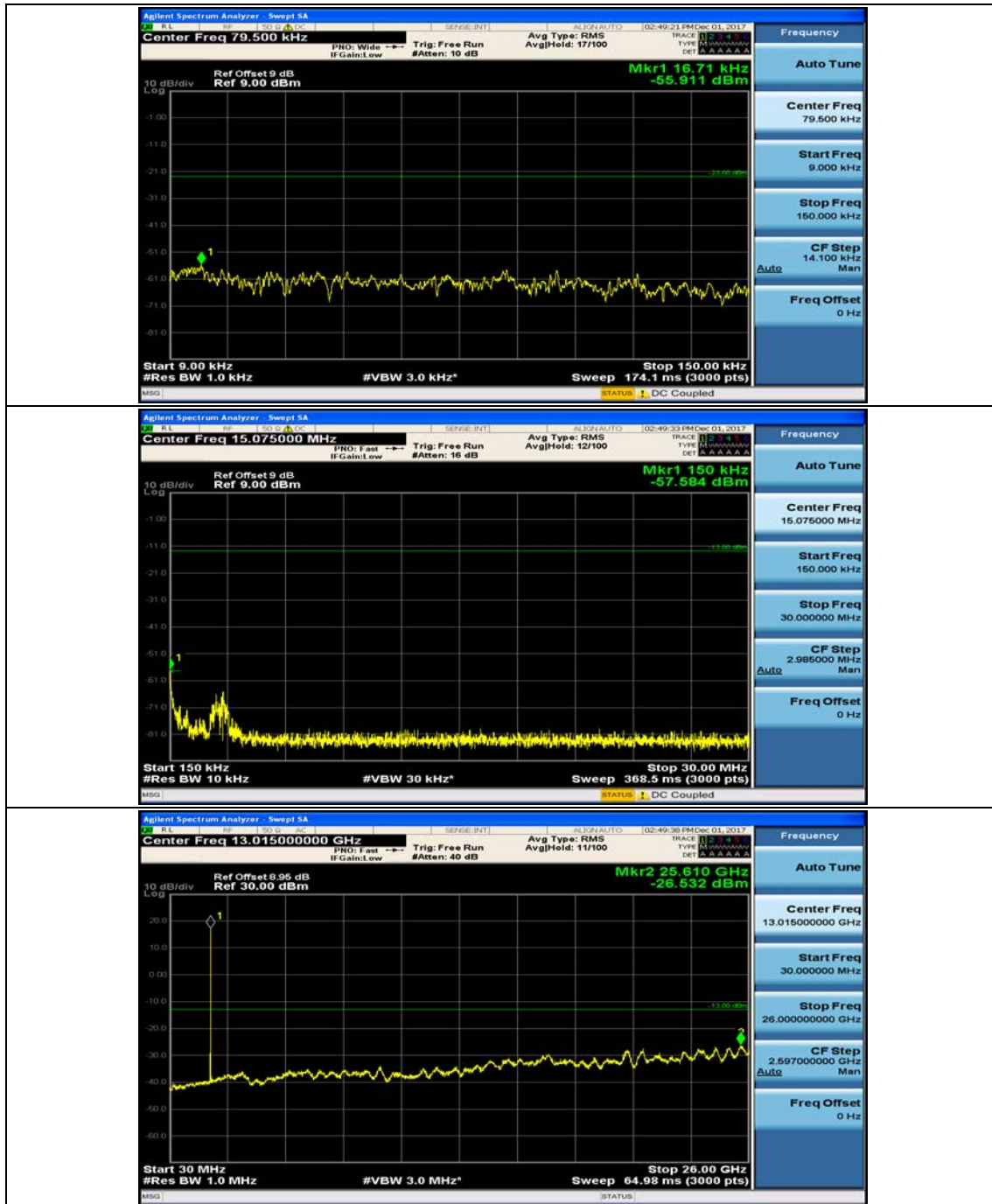


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

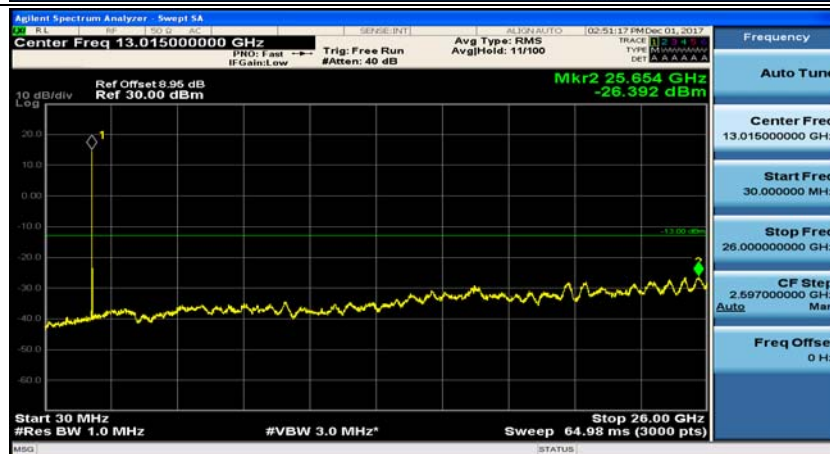
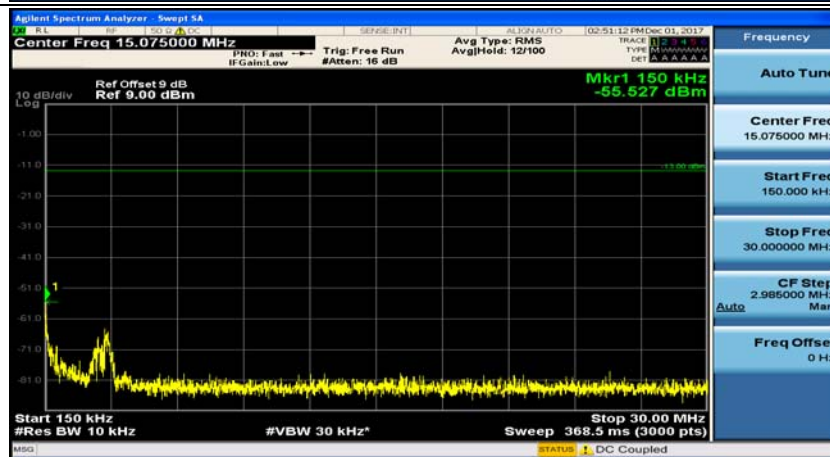


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

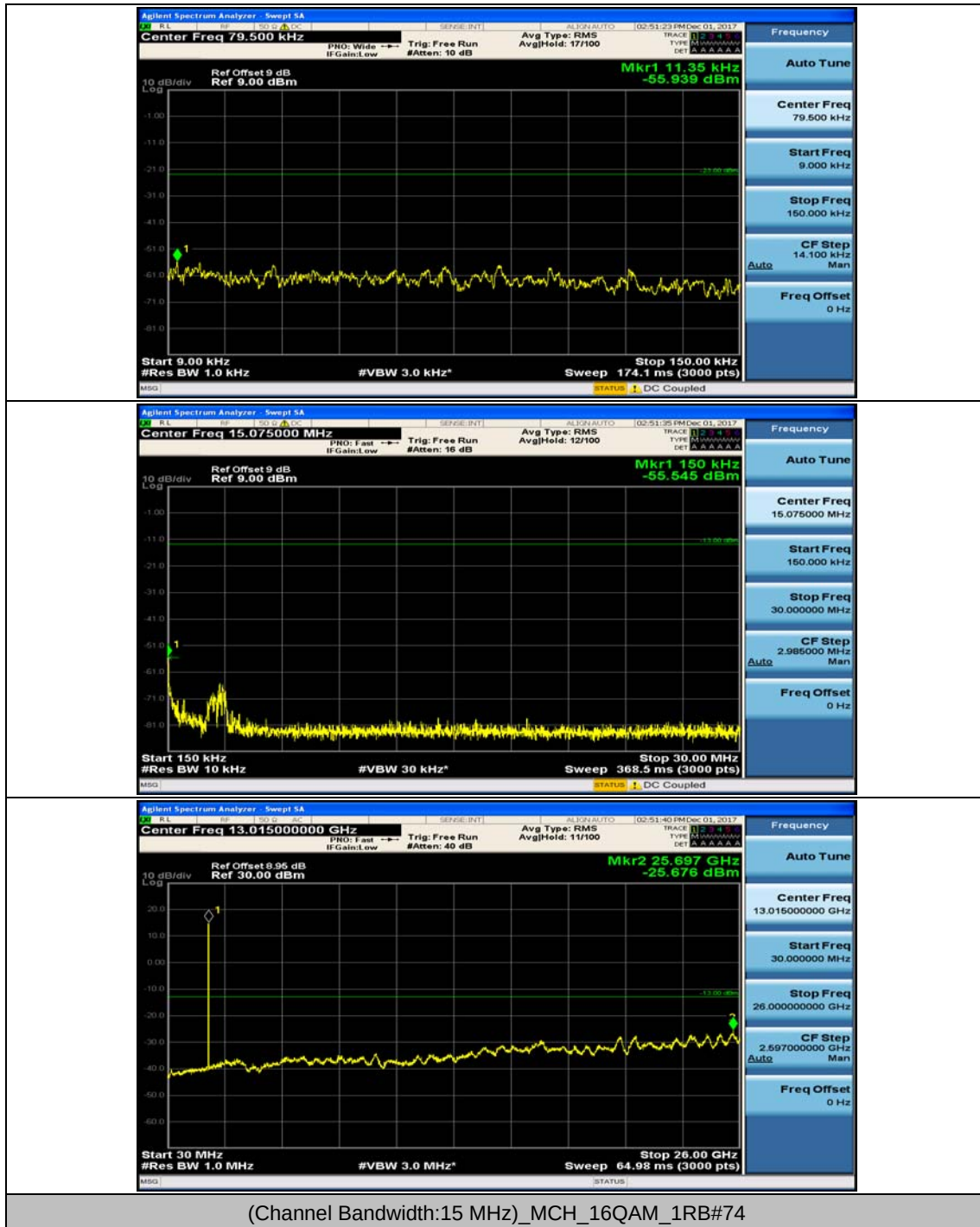


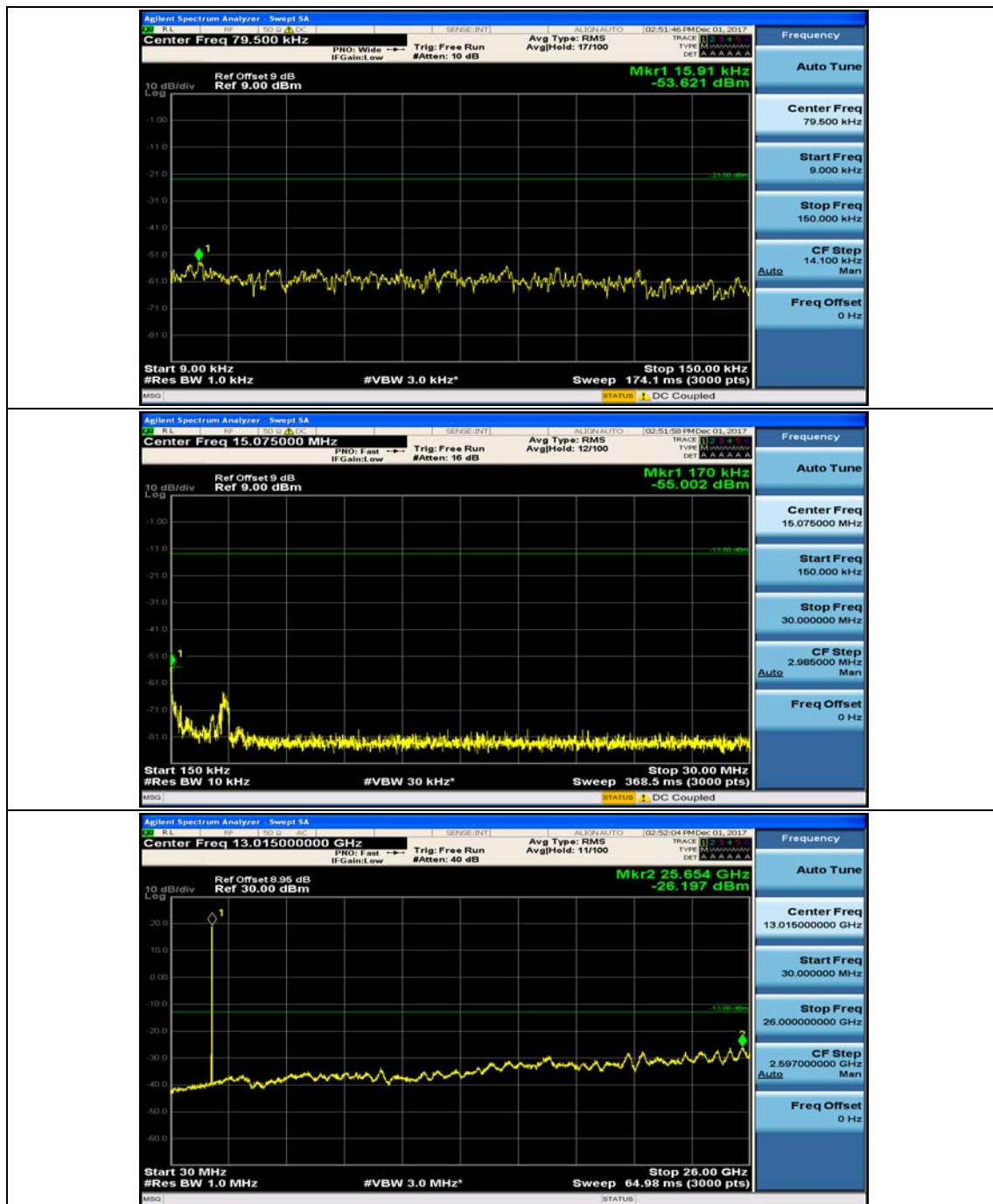


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

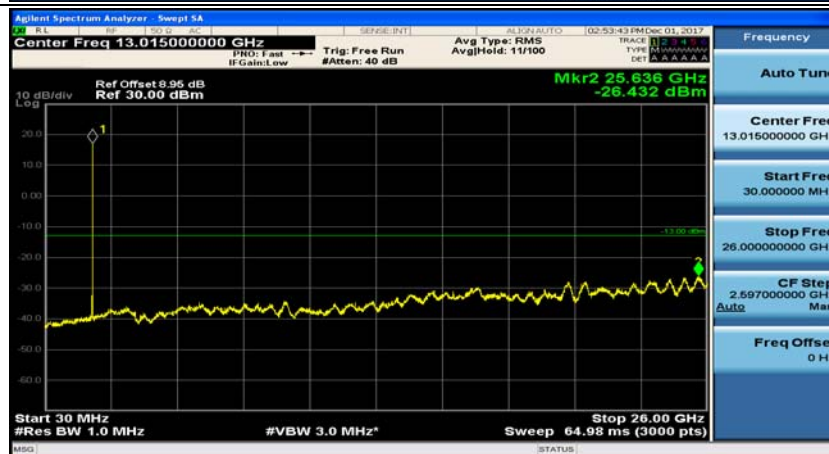
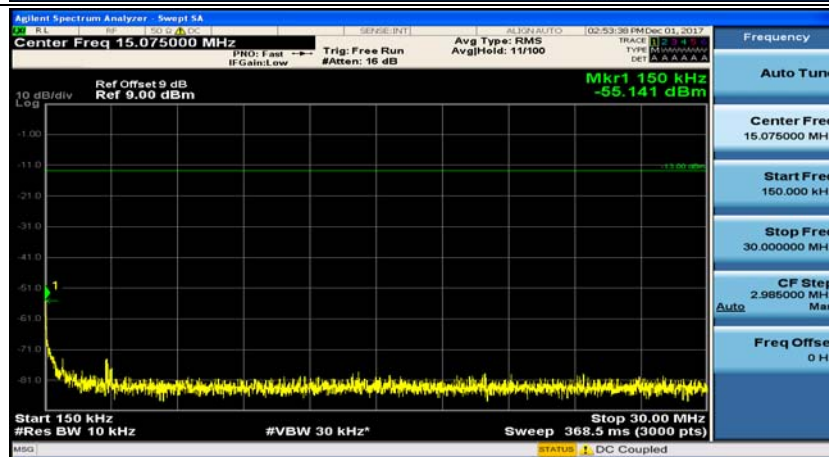


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

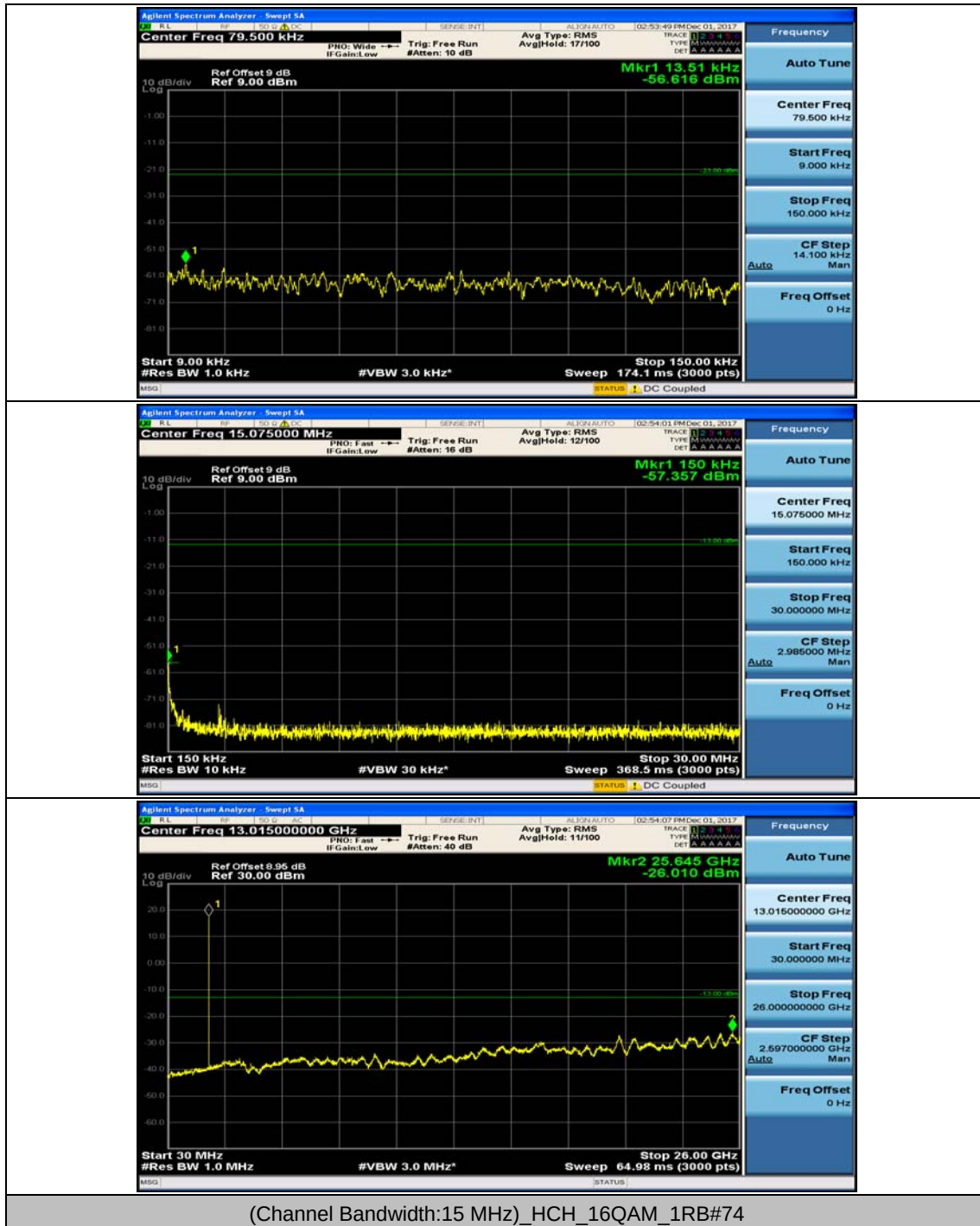


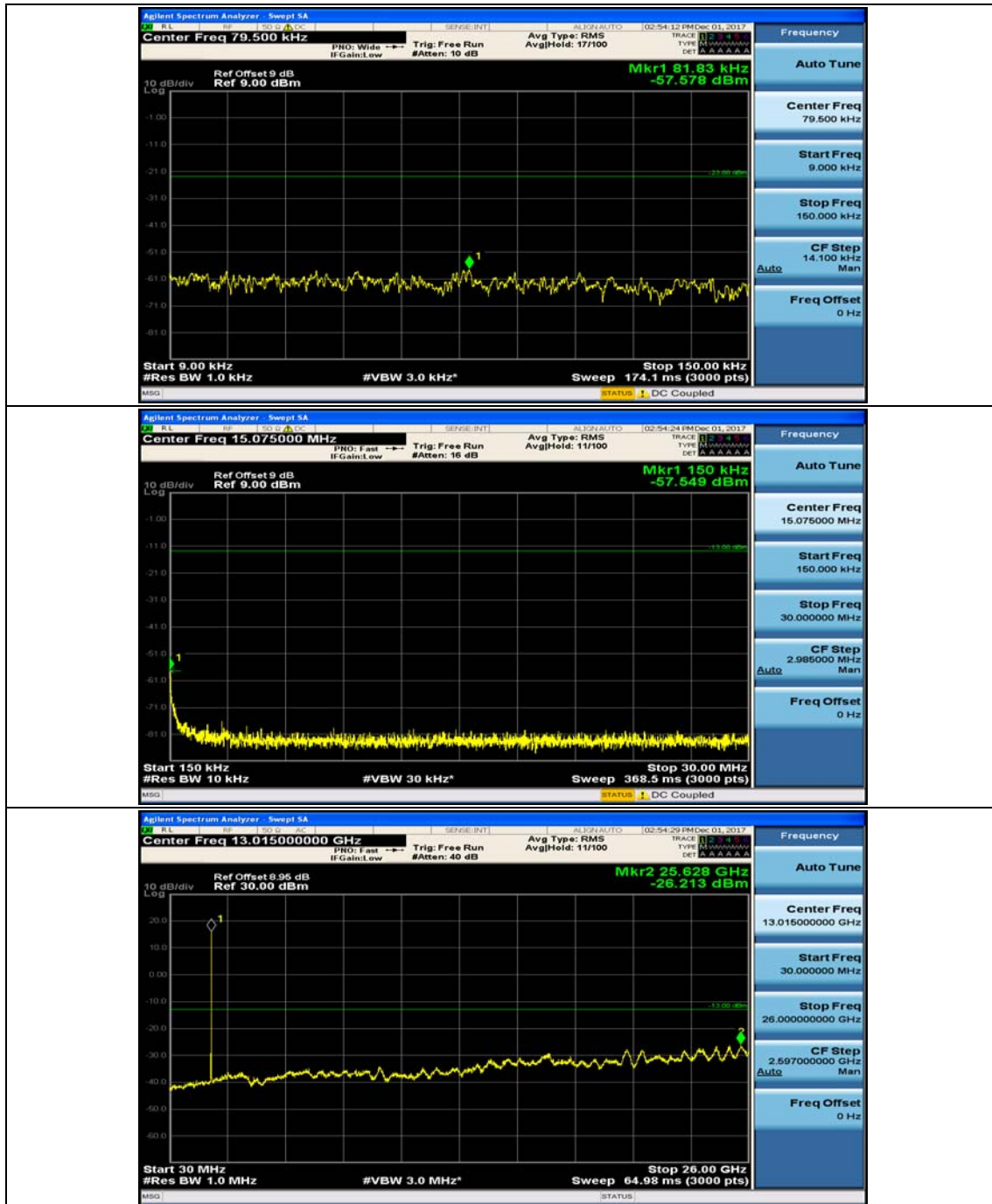


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

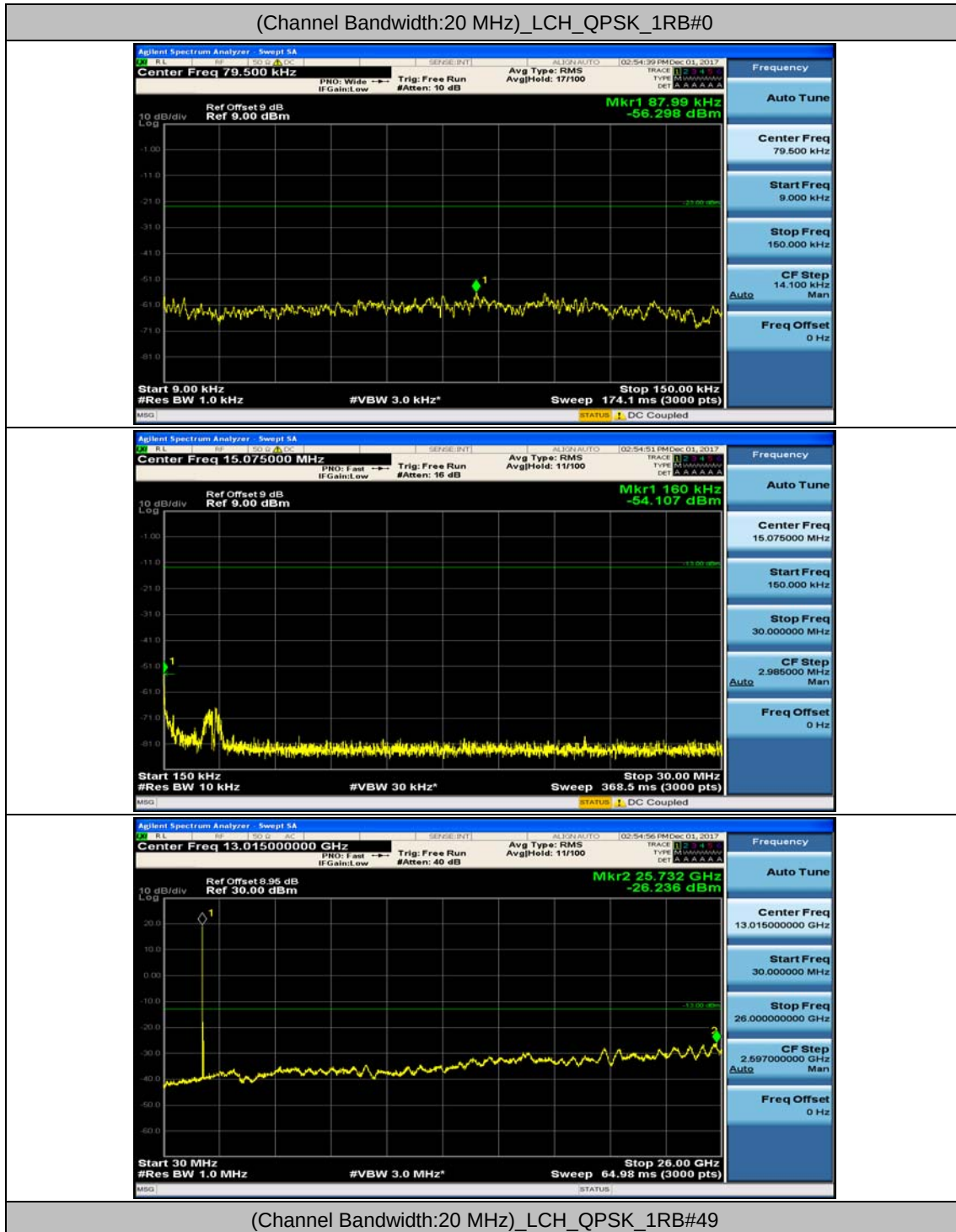


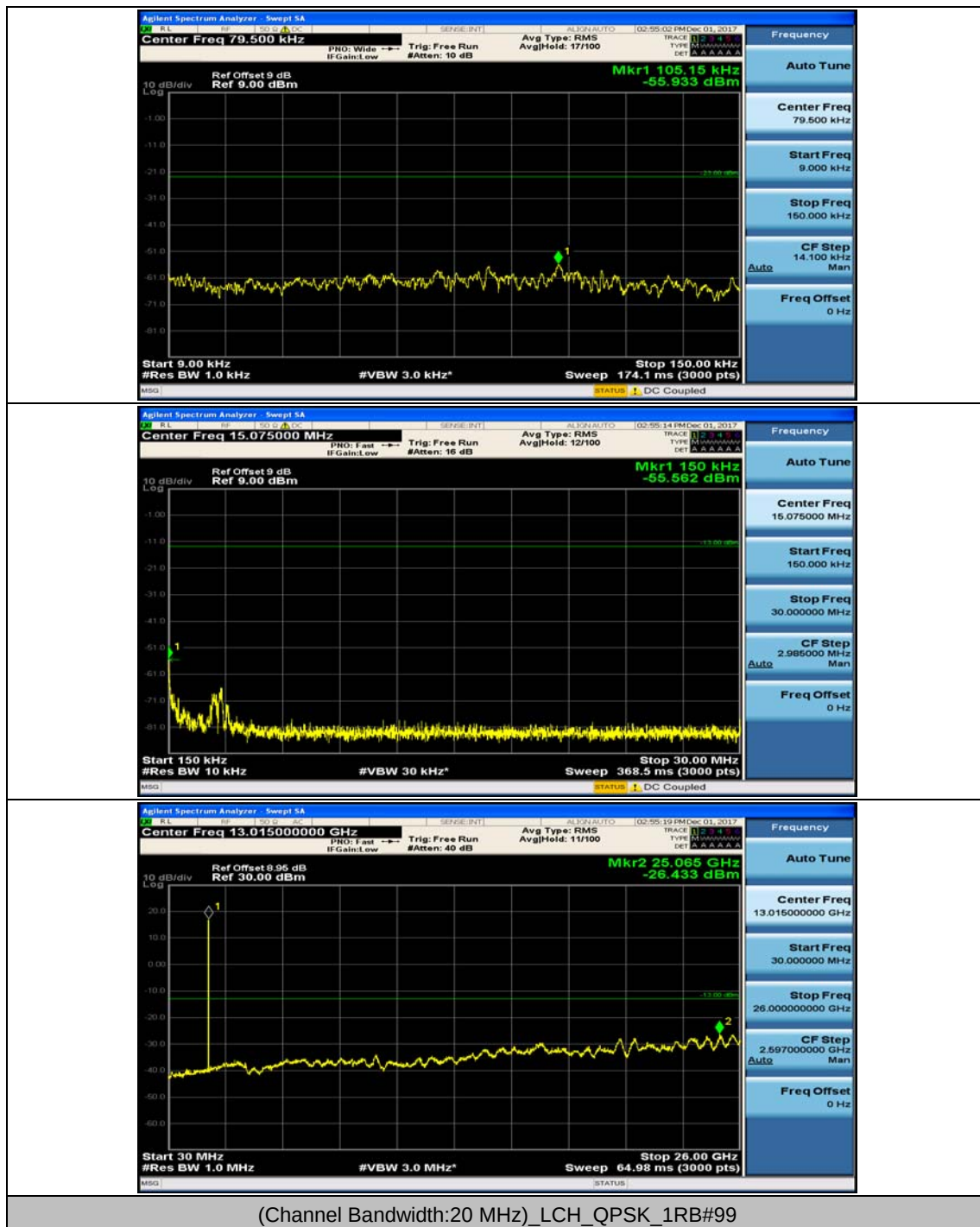
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

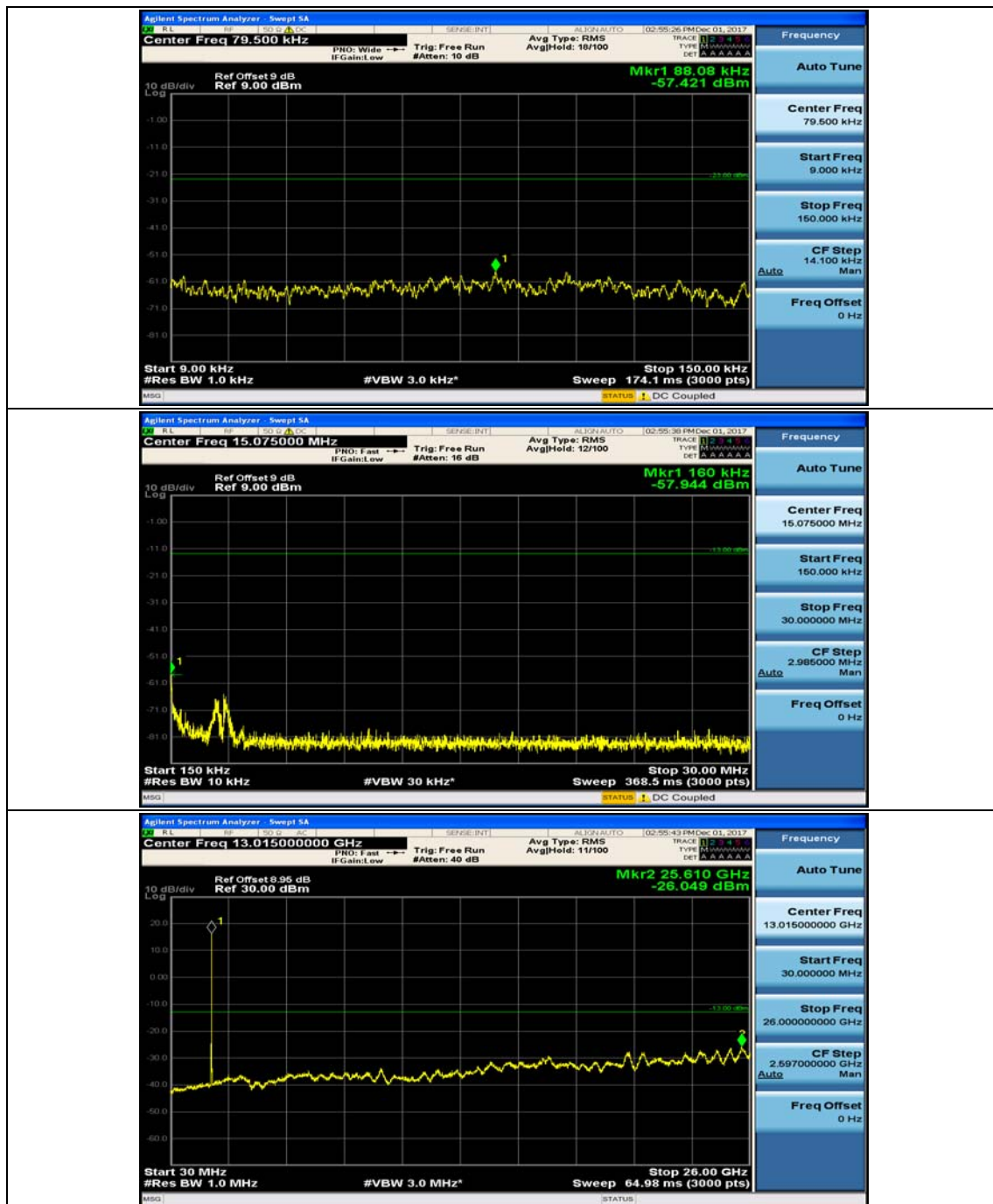




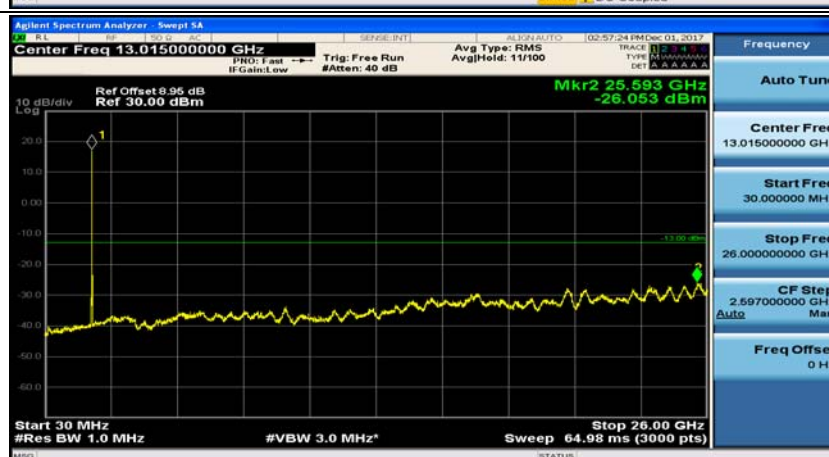
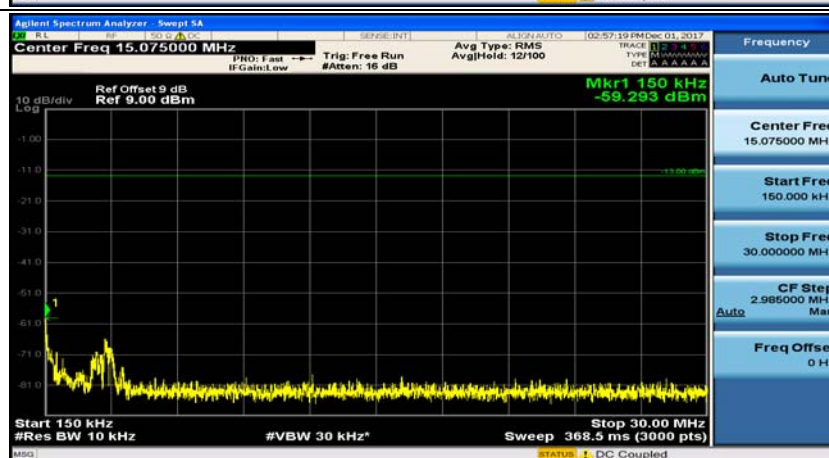
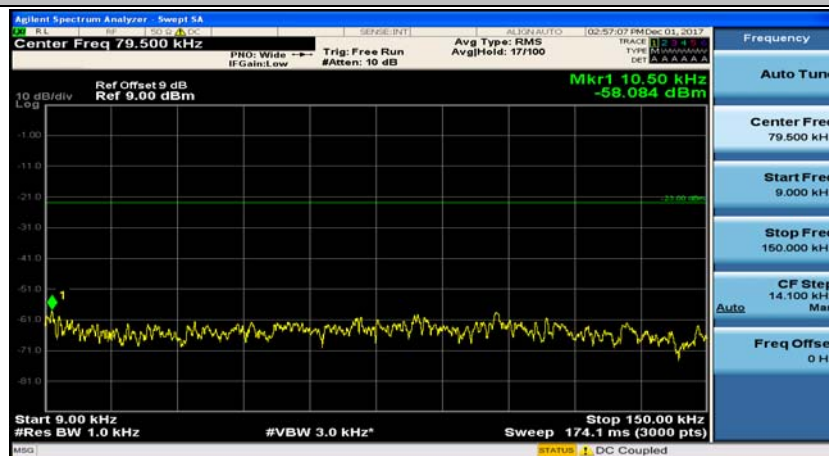
Channel Bandwidth: 20 MHz



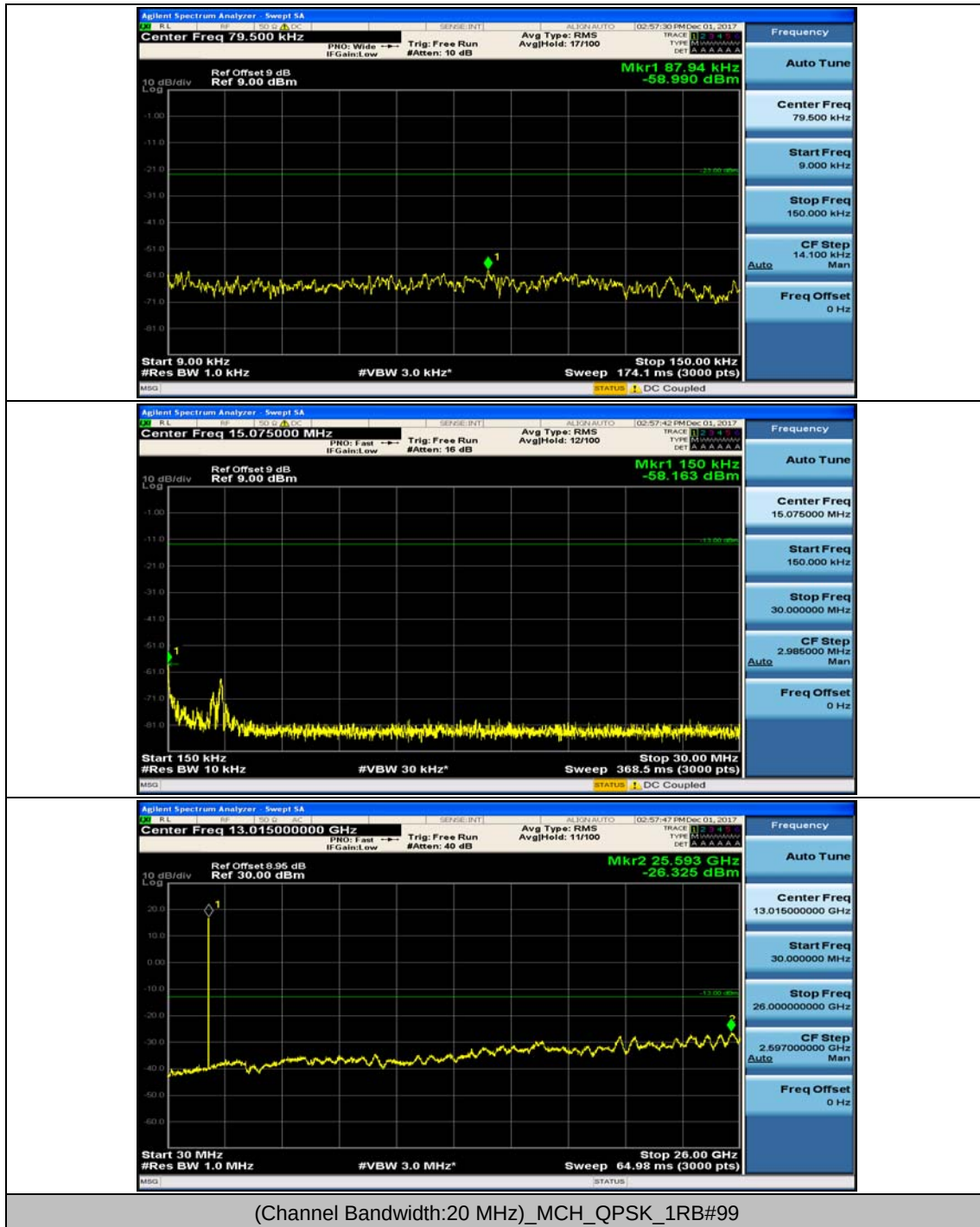


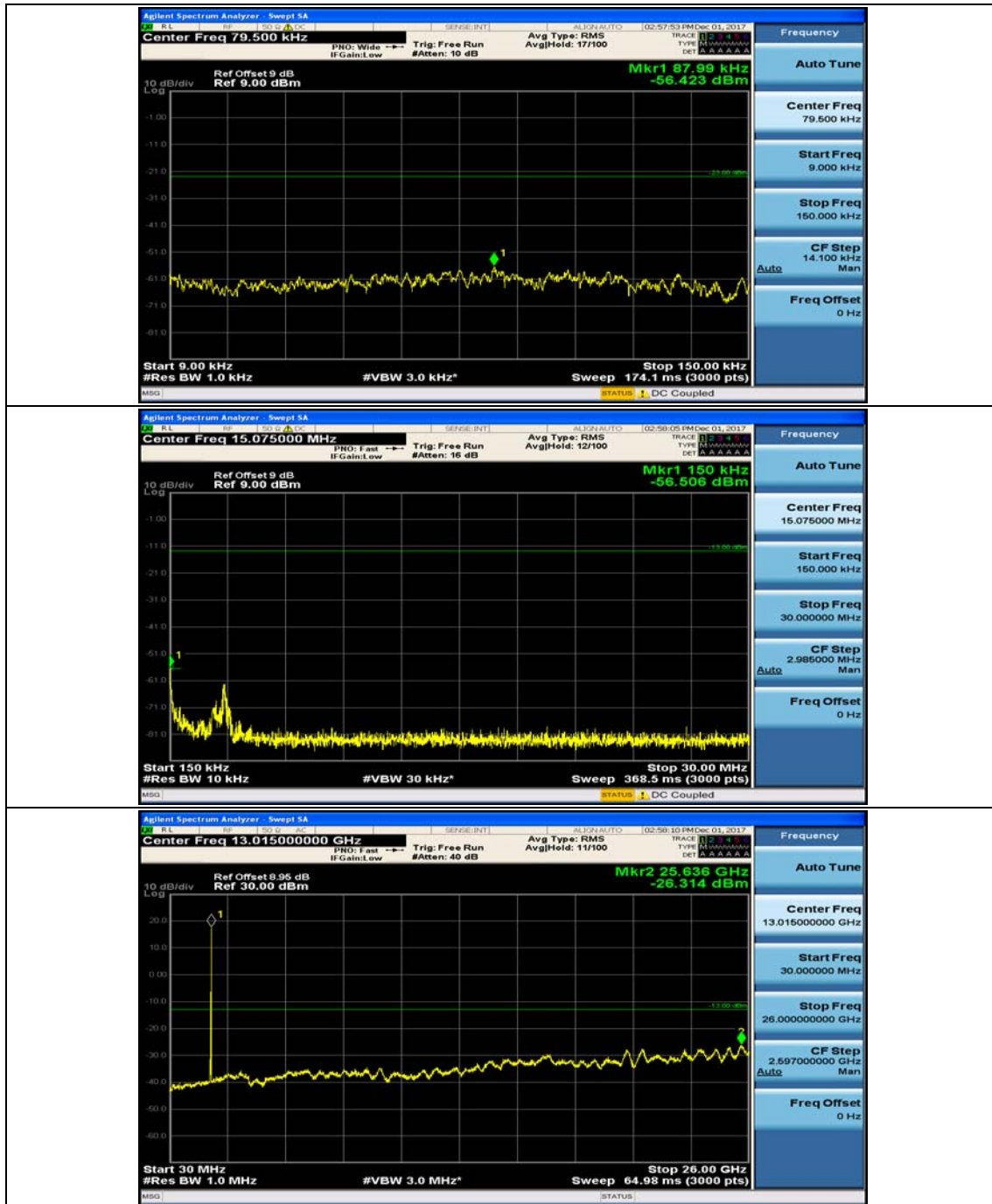


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

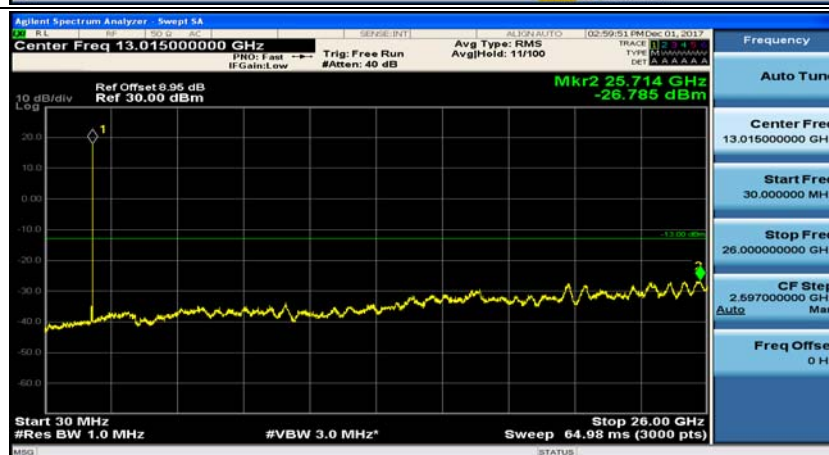
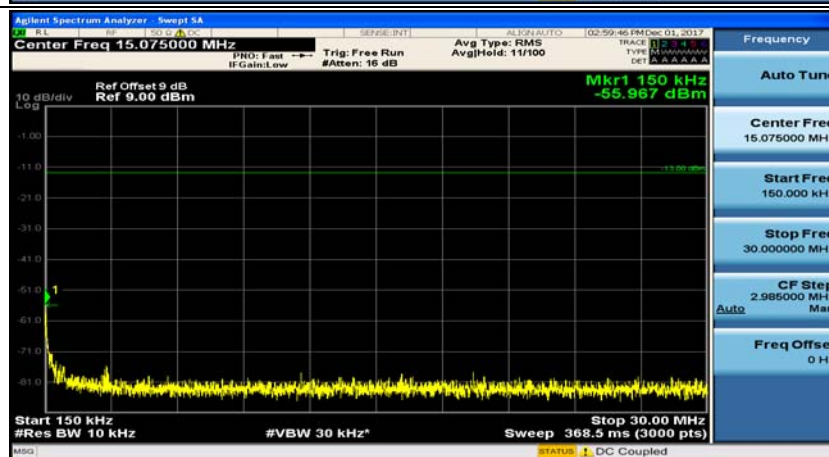
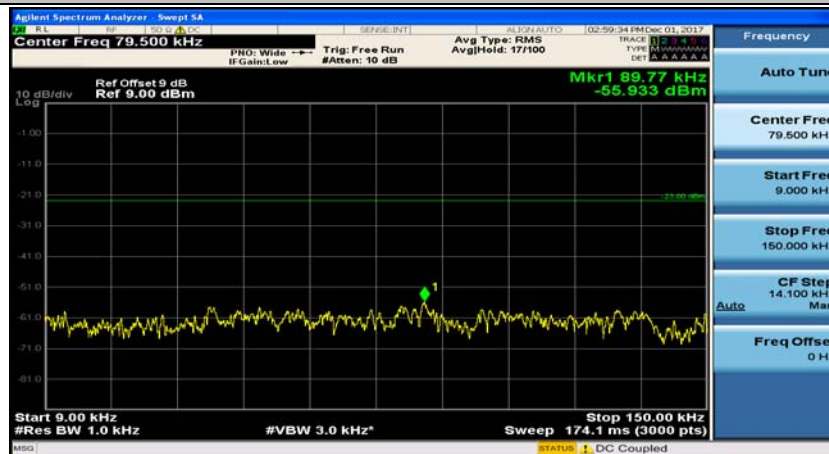


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

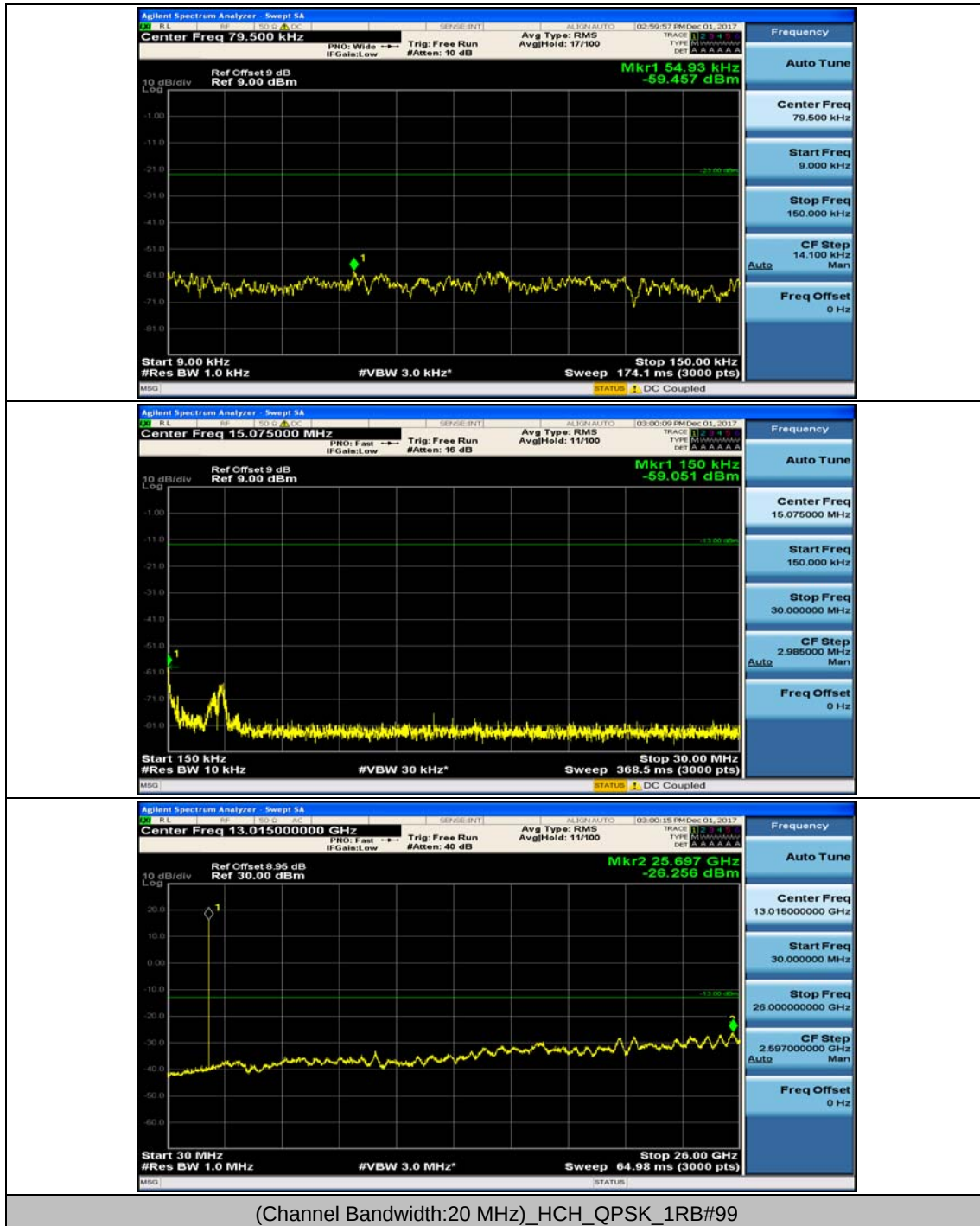


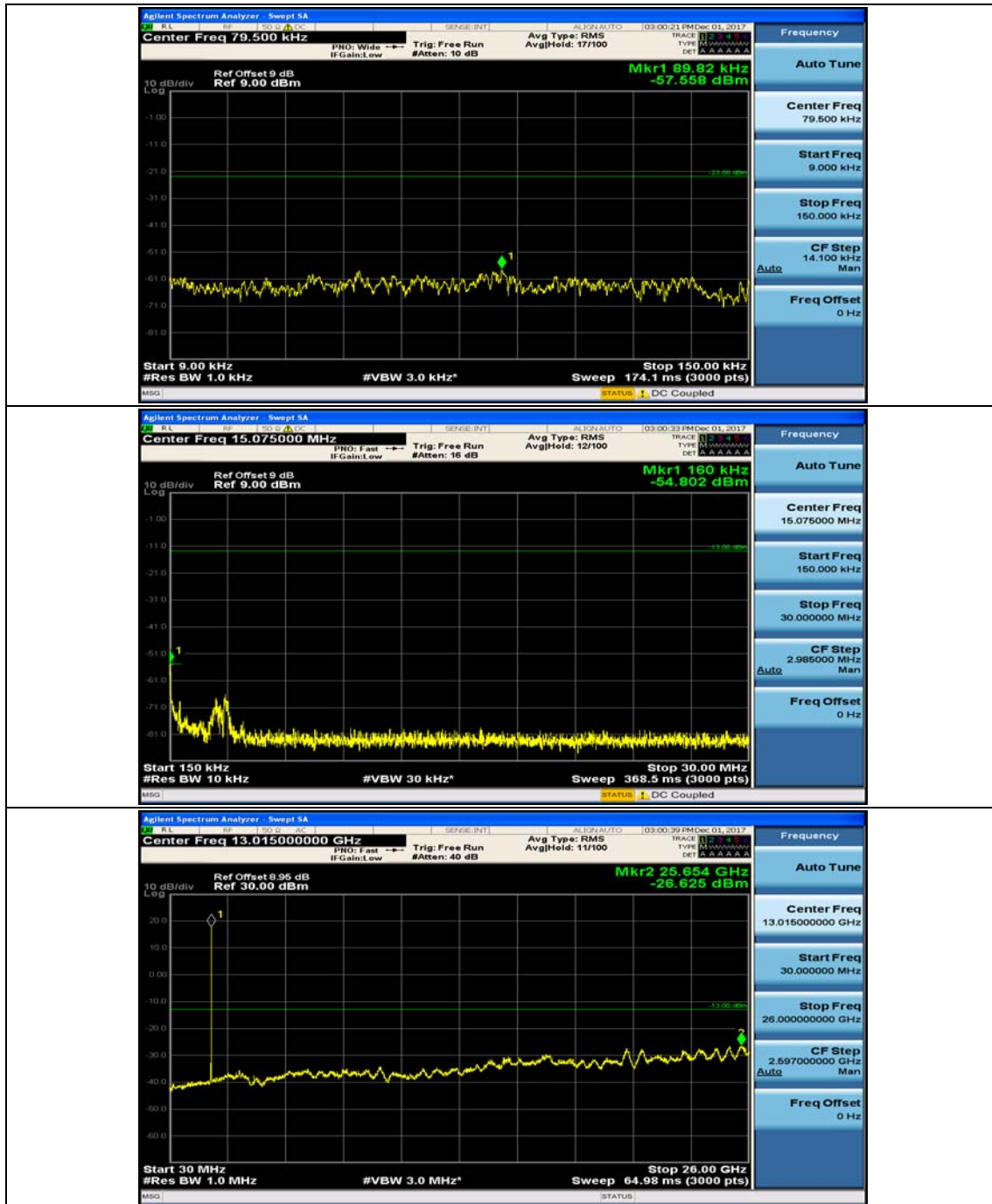


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

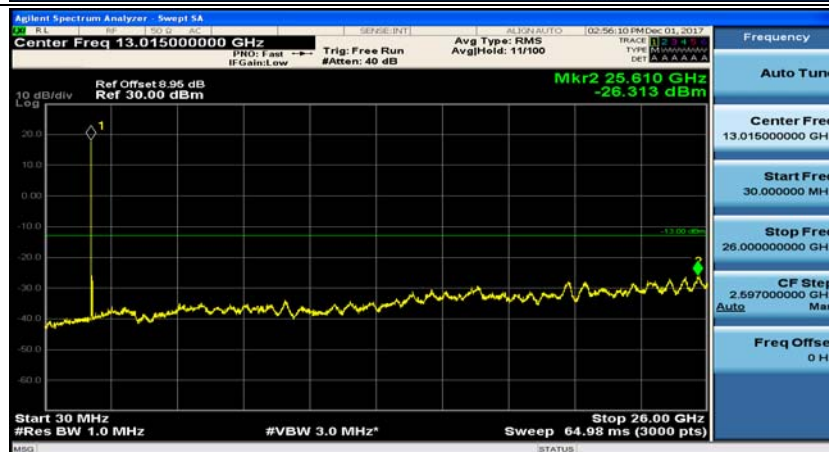
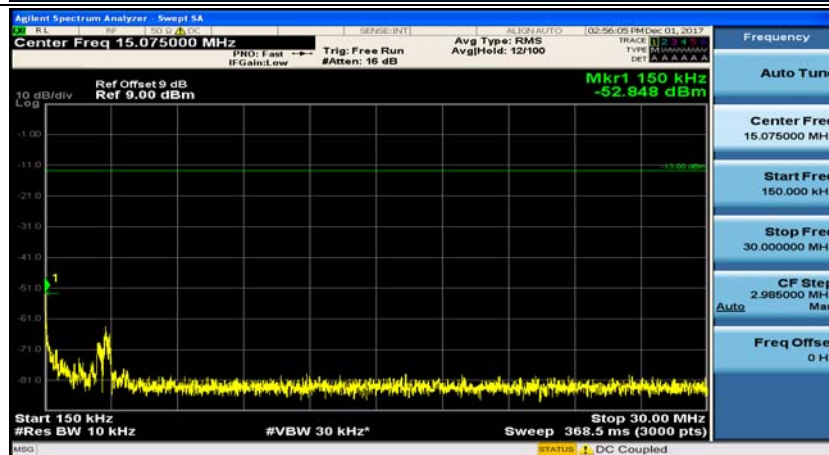
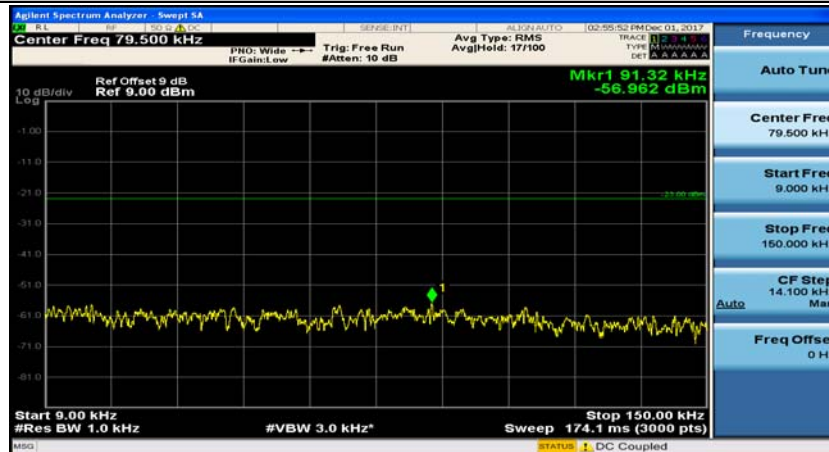


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

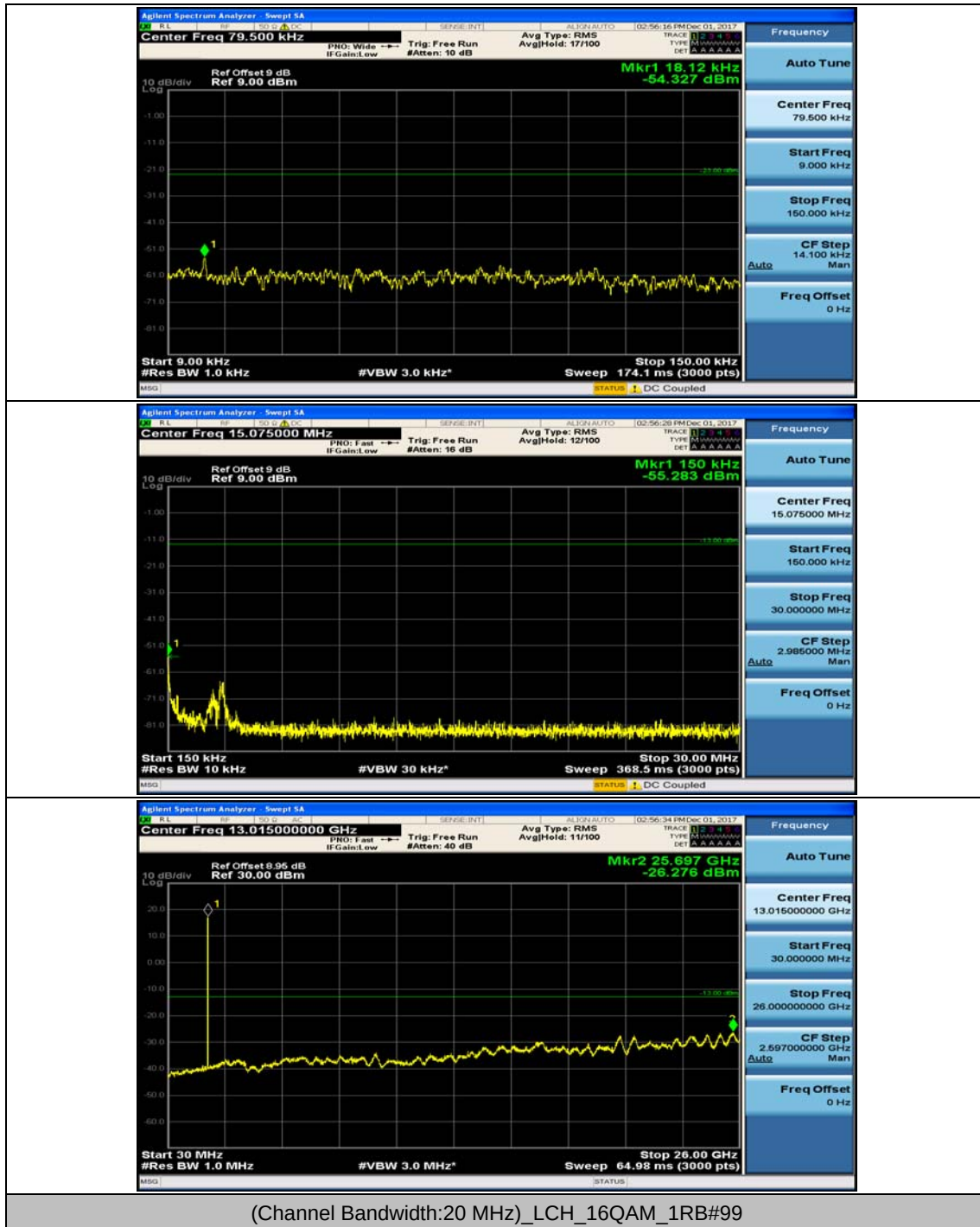


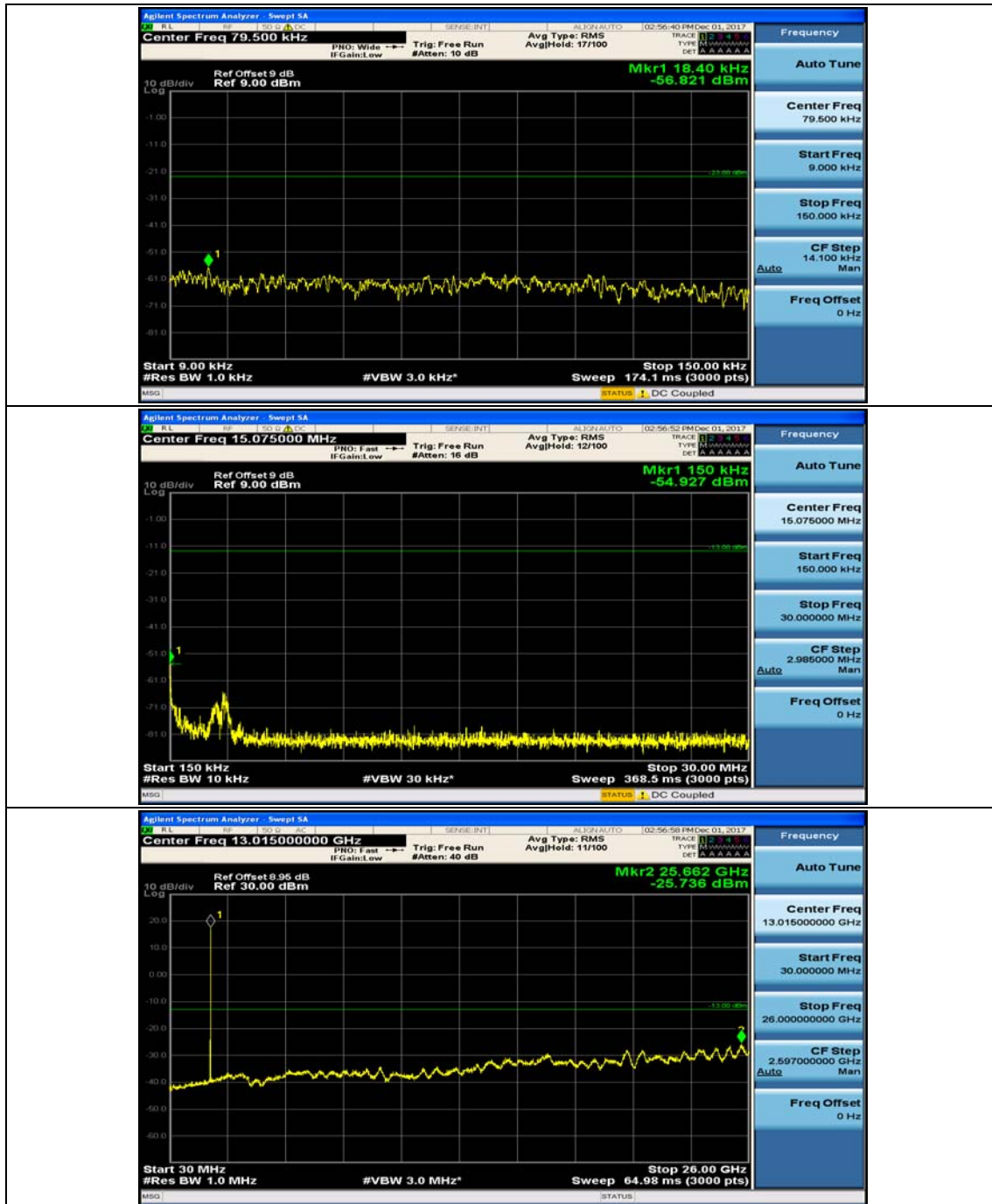


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

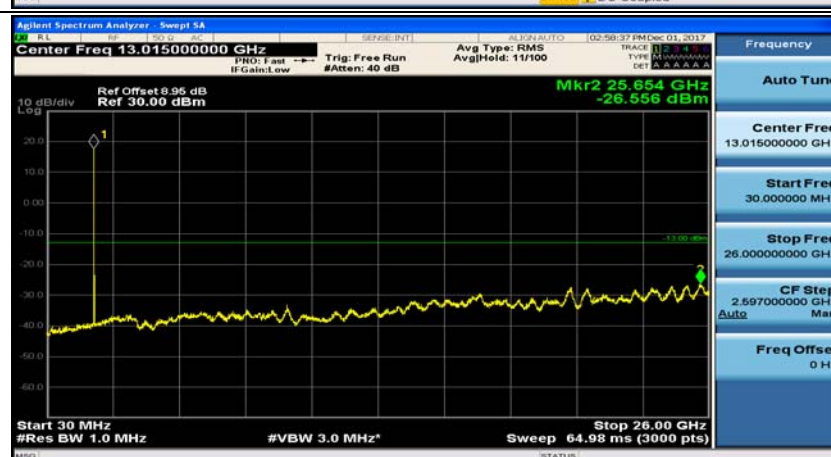
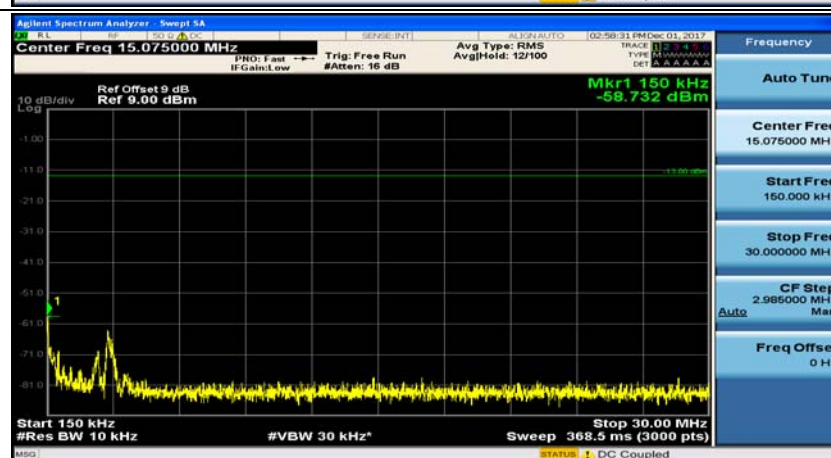
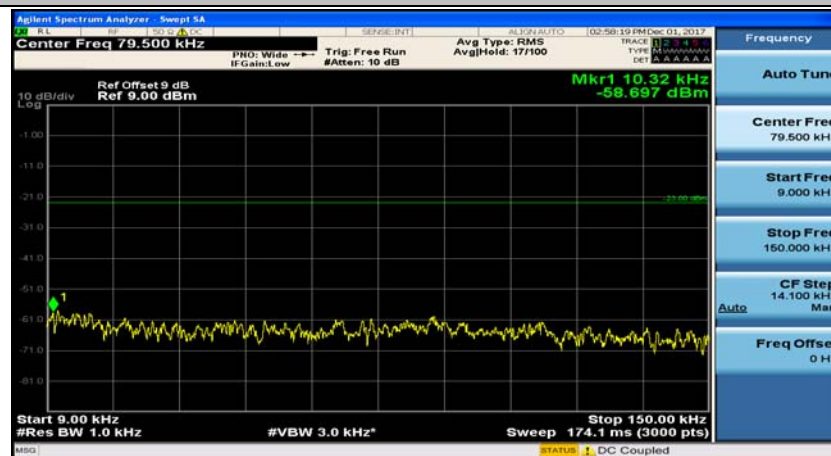


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

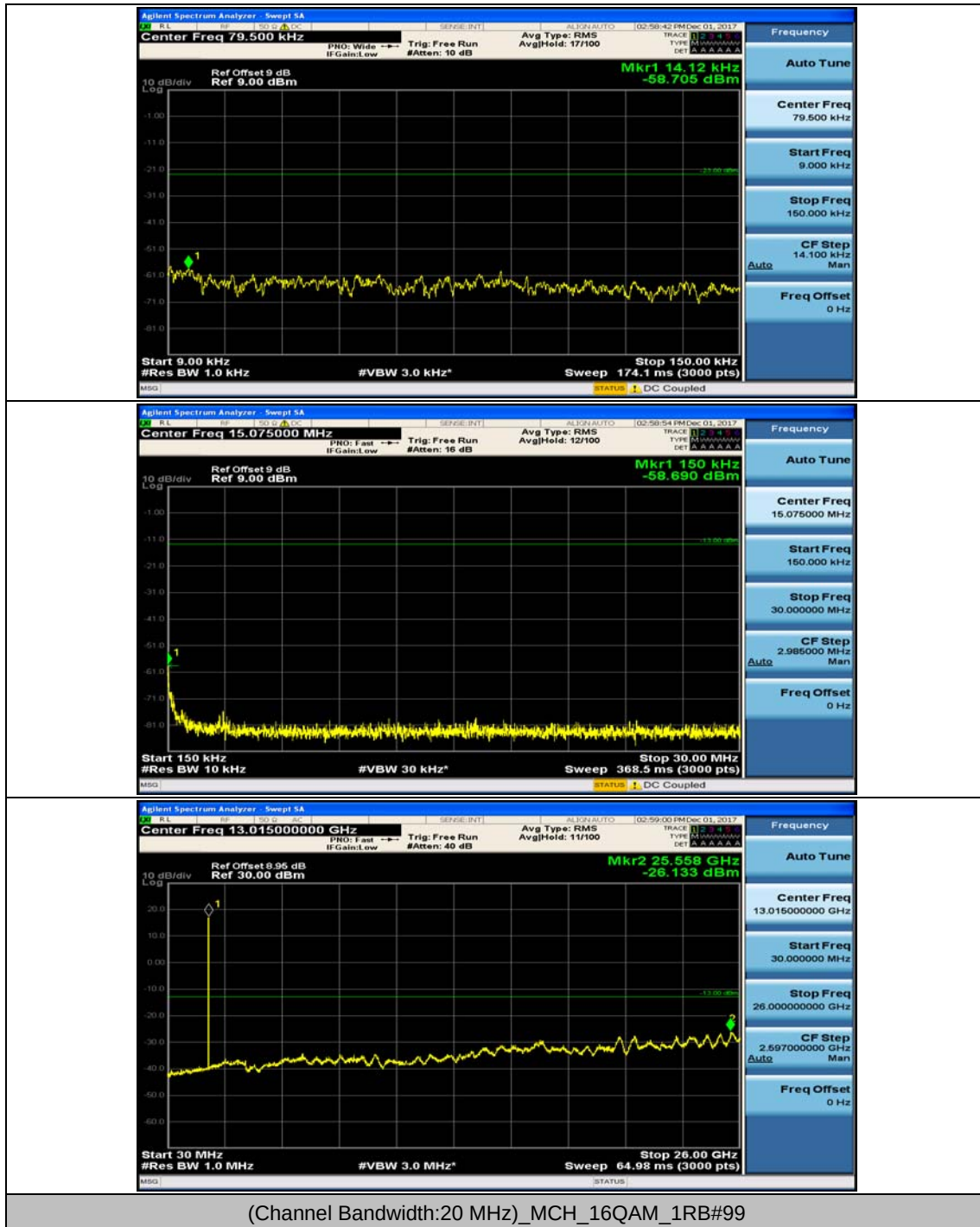


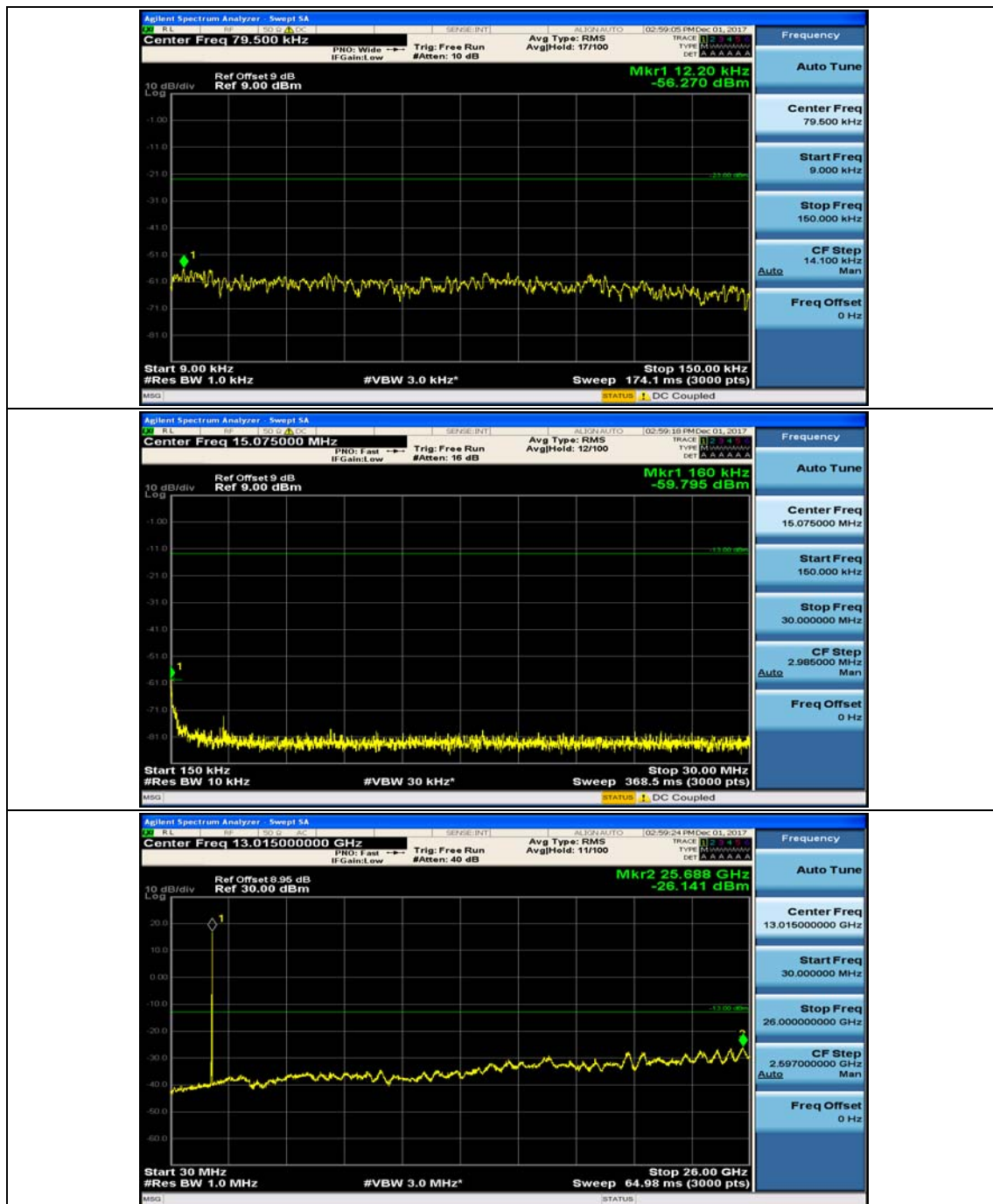


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

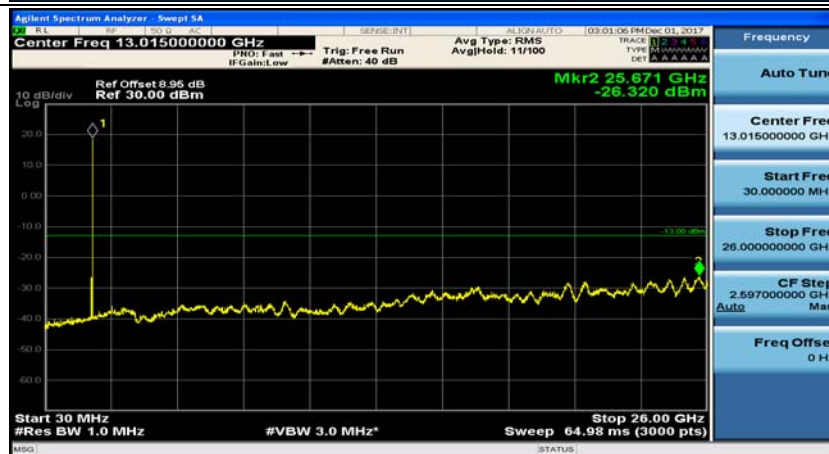
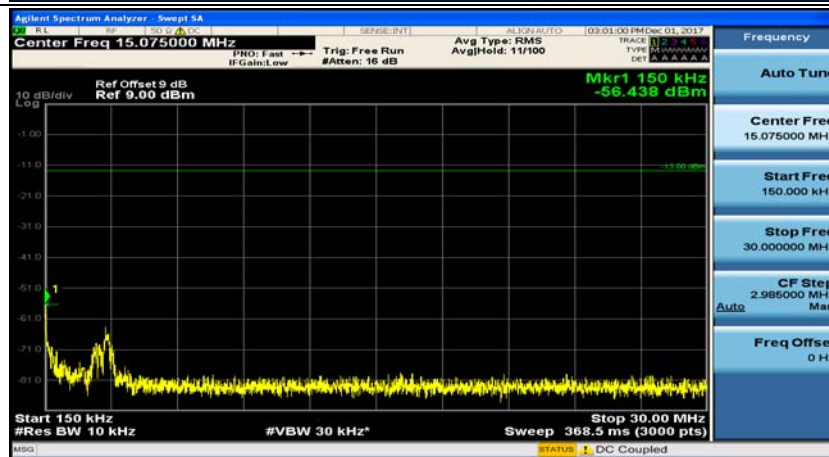


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

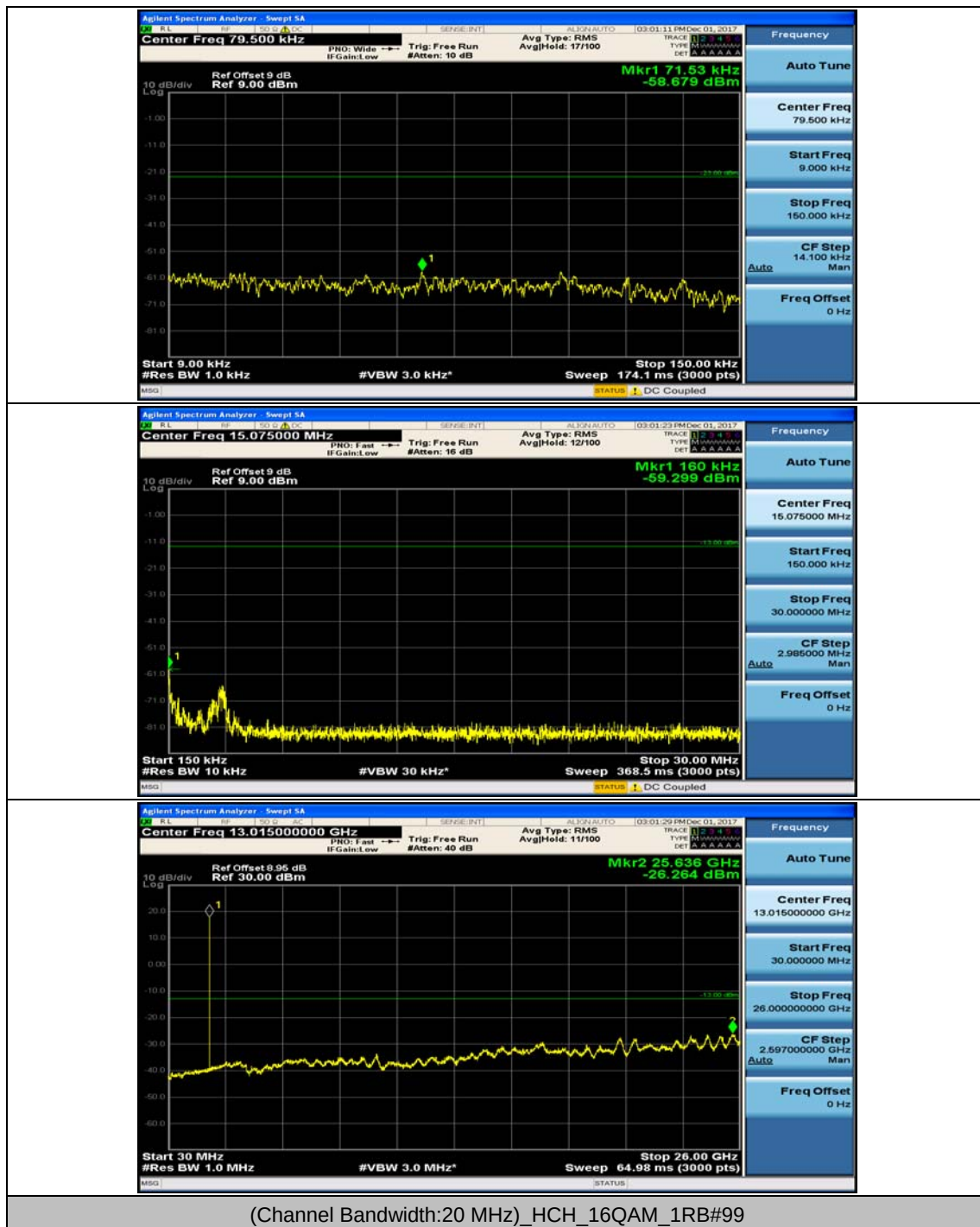


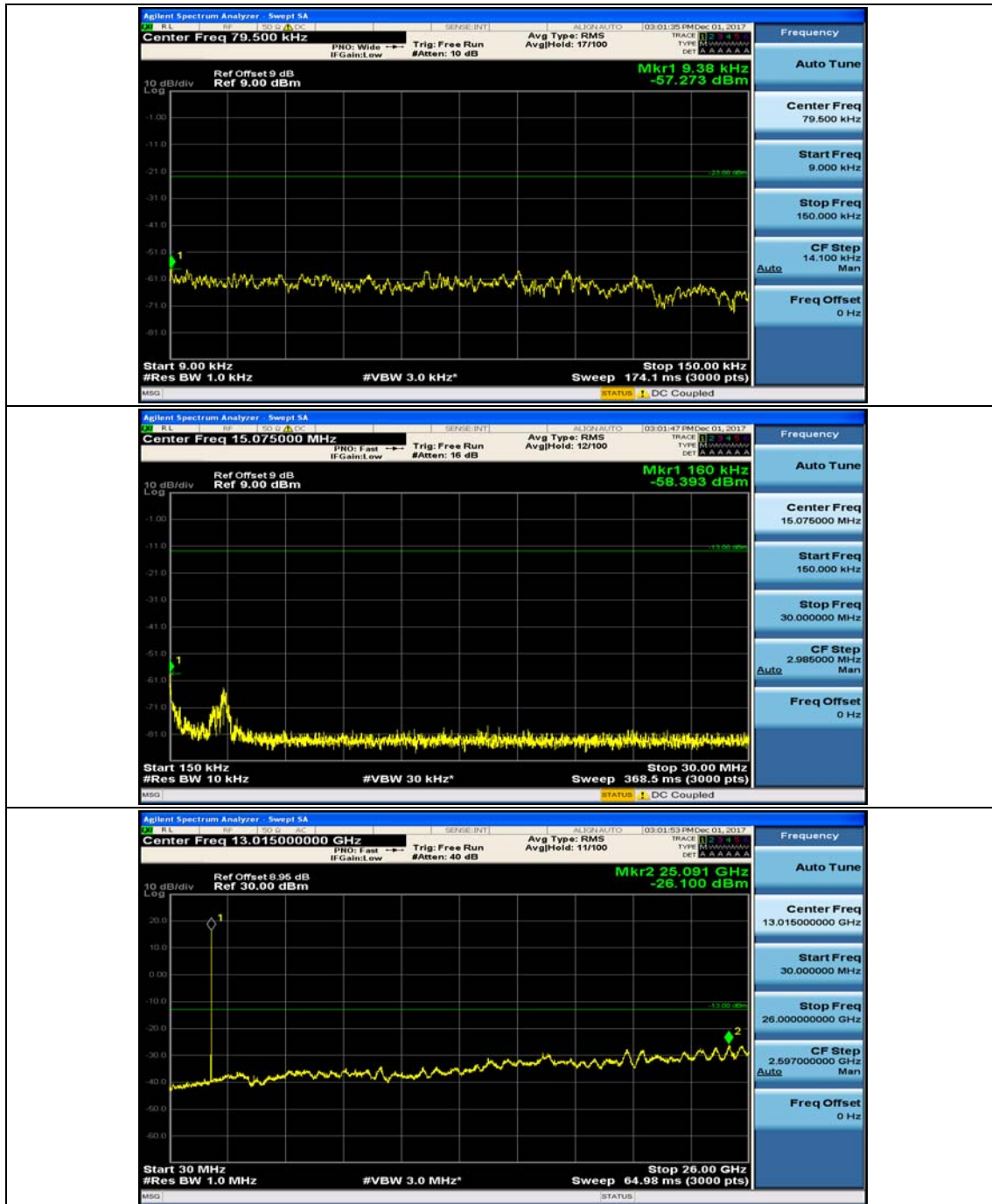


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	2.25	0.001216	± 2.5	PASS
		VN	TN	1.57	0.000848	± 2.5	PASS
		VH	TN	2.72	0.001470	± 2.5	PASS
	MCH	VL	TN	2.21	0.001176	± 2.5	PASS
		VN	TN	1.85	0.000984	± 2.5	PASS
		VH	TN	3.58	0.001904	± 2.5	PASS
	HCH	VL	TN	0.28	0.000147	± 2.5	PASS
		VN	TN	0.72	0.000377	± 2.5	PASS
		VH	TN	1.21	0.000634	± 2.5	PASS
16QAM	LCH	VL	TN	0.47	0.000254	± 2.5	PASS
		VN	TN	3.22	0.001740	± 2.5	PASS
		VH	TN	1.34	0.000724	± 2.5	PASS
	MCH	VL	TN	1.01	0.000537	± 2.5	PASS
		VN	TN	0.33	0.000176	± 2.5	PASS
		VH	TN	0.11	0.000059	± 2.5	PASS
	HCH	VL	TN	2.65	0.001388	± 2.5	PASS
		VN	TN	-1.28	-0.000670	± 2.5	PASS
		VH	TN	2.69	0.001409	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.17	0.001173	± 2.5	PASS
		VN	-20	4.37	0.002361	± 2.5	PASS
		VN	-10	4.27	0.002307	± 2.5	PASS
		VN	0	-1.47	-0.000794	± 2.5	PASS
		VN	10	1.19	0.000643	± 2.5	PASS
		VN	20	-1.17	-0.000632	± 2.5	PASS
		VN	30	4.69	0.002534	± 2.5	PASS
		VN	40	1.18	0.000638	± 2.5	PASS
		VN	50	4.17	0.002253	± 2.5	PASS
	MCH	VN	-30	0.35	0.000186	± 2.5	PASS
		VN	-20	1.91	0.001016	± 2.5	PASS

		VN	-10	1.77	0.000941	± 2.5	PASS
		VN	0	0.94	0.000500	± 2.5	PASS
		VN	10	4.09	0.002176	± 2.5	PASS
		VN	20	3.92	0.002085	± 2.5	PASS
		VN	30	0.6	0.000319	± 2.5	PASS
		VN	40	4.74	0.002521	± 2.5	PASS
		VN	50	1.85	0.000984	± 2.5	PASS
	HCH	VN	-30	-0.1	-0.000052	± 2.5	PASS
		VN	-20	2.62	0.001372	± 2.5	PASS
		VN	-10	-0.79	-0.000414	± 2.5	PASS
		VN	0	4.59	0.002404	± 2.5	PASS
		VN	10	1.69	0.000885	± 2.5	PASS
		VN	20	-0.59	-0.000309	± 2.5	PASS
		VN	30	0.88	0.000461	± 2.5	PASS
		VN	40	4.96	0.002598	± 2.5	PASS
		VN	50	2.23	0.001168	± 2.5	PASS
16QAM	LCH	VN	-30	-1.72	-0.000929	± 2.5	PASS
		VN	-20	1.22	0.000659	± 2.5	PASS
		VN	-10	-0.04	-0.000022	± 2.5	PASS
		VN	0	-1.98	-0.001070	± 2.5	PASS
		VN	10	2.97	0.001605	± 2.5	PASS
		VN	20	1.02	0.000551	± 2.5	PASS
		VN	30	1.87	0.001010	± 2.5	PASS
		VN	40	1.22	0.000659	± 2.5	PASS
		VN	50	4.67	0.002523	± 2.5	PASS
	MCH	VN	-30	-0.44	-0.000234	± 2.5	PASS
		VN	-20	-1.01	-0.000537	± 2.5	PASS
		VN	-10	1.73	0.000920	± 2.5	PASS
		VN	0	3.05	0.001622	± 2.5	PASS
		VN	10	-0.09	-0.000048	± 2.5	PASS
		VN	20	-1.97	-0.001048	± 2.5	PASS
		VN	30	1.97	0.001048	± 2.5	PASS
		VN	40	4.99	0.002654	± 2.5	PASS
		VN	50	-0.33	-0.000176	± 2.5	PASS
	HCH	VN	-30	3.95	0.002069	± 2.5	PASS
		VN	-20	1.83	0.000958	± 2.5	PASS
		VN	-10	0.5	0.000262	± 2.5	PASS
		VN	0	0.79	0.000414	± 2.5	PASS
		VN	10	4.02	0.002105	± 2.5	PASS
		VN	20	3.83	0.002006	± 2.5	PASS
		VN	30	3.32	0.001739	± 2.5	PASS

		VN	40	-0.78	-0.000409	± 2.5	PASS
		VN	50	1.97	0.001032	± 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	-0.59	-0.000319	± 2.5	PASS
		VN	TN	3.51	0.001896	± 2.5	PASS
		VH	TN	0.36	0.000194	± 2.5	PASS
	MCH	VL	TN	1.47	0.000782	± 2.5	PASS
		VN	TN	2.27	0.001207	± 2.5	PASS
		VH	TN	2.66	0.001415	± 2.5	PASS
	HCH	VL	TN	2.64	0.001383	± 2.5	PASS
		VN	TN	-1.03	-0.000540	± 2.5	PASS
		VH	TN	3.62	0.001897	± 2.5	PASS
16QAM	LCH	VL	TN	4.96	0.002679	± 2.5	PASS
		VN	TN	4.16	0.002247	± 2.5	PASS
		VH	TN	-1.84	-0.000994	± 2.5	PASS
	MCH	VL	TN	0.93	0.000495	± 2.5	PASS
		VN	TN	-0.78	-0.000415	± 2.5	PASS
		VH	TN	-0.32	-0.000170	± 2.5	PASS
	HCH	VL	TN	-0.19	-0.000100	± 2.5	PASS
		VN	TN	0.97	0.000508	± 2.5	PASS
		VH	TN	2.73	0.001430	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.85	0.002079	± 2.5	PASS
		VN	-20	1.6	0.000864	± 2.5	PASS
		VN	-10	4.71	0.002544	± 2.5	PASS
		VN	0	-0.35	-0.000189	± 2.5	PASS
		VN	10	0.15	0.000081	± 2.5	PASS
		VN	20	2.69	0.001453	± 2.5	PASS
		VN	30	-1.66	-0.000897	± 2.5	PASS
		VN	40	4.77	0.002576	± 2.5	PASS
		VN	50	0.98	0.000529	± 2.5	PASS
	MCH	VN	-30	3.85	0.002048	± 2.5	PASS
		VN	-20	-0.64	-0.000340	± 2.5	PASS
		VN	-10	3.4	0.001809	± 2.5	PASS

		VN	0	-1.26	-0.000670	± 2.5	PASS
		VN	10	-0.69	-0.000367	± 2.5	PASS
		VN	20	0.58	0.000309	± 2.5	PASS
		VN	30	-1.71	-0.000910	± 2.5	PASS
		VN	40	0.43	0.000229	± 2.5	PASS
		VN	50	2.74	0.001457	± 2.5	PASS
	HCH	VN	-30	3.39	0.001776	± 2.5	PASS
		VN	-20	0.87	0.000456	± 2.5	PASS
		VN	-10	4.05	0.002122	± 2.5	PASS
		VN	0	2.29	0.001200	± 2.5	PASS
		VN	10	2.43	0.001273	± 2.5	PASS
		VN	20	3.64	0.001907	± 2.5	PASS
		VN	30	-1.91	-0.001001	± 2.5	PASS
		VN	40	2.22	0.001163	± 2.5	PASS
		VN	50	0.39	0.000204	± 2.5	PASS
16QAM	LCH	VN	-30	3.79	0.002047	± 2.5	PASS
		VN	-20	2.29	0.001237	± 2.5	PASS
		VN	-10	3.66	0.001977	± 2.5	PASS
		VN	0	1.56	0.000843	± 2.5	PASS
		VN	10	3.91	0.002112	± 2.5	PASS
		VN	20	1.18	0.000637	± 2.5	PASS
		VN	30	-1.4	-0.000756	± 2.5	PASS
		VN	40	1.05	0.000567	± 2.5	PASS
		VN	50	1.02	0.000551	± 2.5	PASS
	MCH	VN	-30	0.82	0.000436	± 2.5	PASS
		VN	-20	-1.09	-0.000580	± 2.5	PASS
		VN	-10	1.07	0.000569	± 2.5	PASS
		VN	0	-0.55	-0.000293	± 2.5	PASS
		VN	10	4.1	0.002181	± 2.5	PASS
		VN	20	0.7	0.000372	± 2.5	PASS
		VN	30	-1.2	-0.000638	± 2.5	PASS
		VN	40	-1.83	-0.000973	± 2.5	PASS
		VN	50	0.88	0.000468	± 2.5	PASS
	HCH	VN	-30	3.04	0.001593	± 2.5	PASS
		VN	-20	1.97	0.001032	± 2.5	PASS
		VN	-10	-1.01	-0.000529	± 2.5	PASS
		VN	0	-1.78	-0.000933	± 2.5	PASS
		VN	10	3.69	0.001933	± 2.5	PASS
		VN	20	-1.74	-0.000912	± 2.5	PASS
		VN	30	1.09	0.000571	± 2.5	PASS
		VN	40	2.32	0.001216	± 2.5	PASS

		VN	50	4.37	0.002290	± 2.5	PASS
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Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.86	0.001544	± 2.5	PASS
		VN	TN	-1.03	-0.000556	± 2.5	PASS
		VH	TN	-1.13	-0.000610	± 2.5	PASS
	MCH	VL	TN	3.15	0.001676	± 2.5	PASS
		VN	TN	-0.16	-0.000085	± 2.5	PASS
		VH	TN	3.6	0.001915	± 2.5	PASS
	HCH	VL	TN	3.07	0.001609	± 2.5	PASS
		VN	TN	-0.43	-0.000225	± 2.5	PASS
		VH	TN	-1.86	-0.000975	± 2.5	PASS
16QAM	LCH	VL	TN	1.9	0.001026	± 2.5	PASS
		VN	TN	4.32	0.002332	± 2.5	PASS
		VH	TN	2.09	0.001128	± 2.5	PASS
	MCH	VL	TN	1.94	0.001032	± 2.5	PASS
		VN	TN	1.85	0.000984	± 2.5	PASS
		VH	TN	-0.43	-0.000229	± 2.5	PASS
	HCH	VL	TN	2.26	0.001185	± 2.5	PASS
		VN	TN	2.67	0.001400	± 2.5	PASS
		VH	TN	3.2	0.001678	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.04	0.002181	± 2.5	PASS
		VN	-20	-1.19	-0.000642	± 2.5	PASS
		VN	-10	0.08	0.000043	± 2.5	PASS
		VN	0	-0.67	-0.000362	± 2.5	PASS
		VN	10	4.05	0.002186	± 2.5	PASS
		VN	20	1.7	0.000918	± 2.5	PASS
		VN	30	1.63	0.000880	± 2.5	PASS
		VN	40	-0.13	-0.000070	± 2.5	PASS
		VN	50	1.59	0.000858	± 2.5	PASS
	MCH	VN	-30	0.15	0.000080	± 2.5	PASS
		VN	-20	1.7	0.000904	± 2.5	PASS
		VN	-10	0.61	0.000324	± 2.5	PASS
		VN	0	-1.07	-0.000569	± 2.5	PASS

		VN	10	1.9	0.001011	± 2.5	PASS
		VN	20	2.93	0.001559	± 2.5	PASS
		VN	30	0.32	0.000170	± 2.5	PASS
		VN	40	2.34	0.001245	± 2.5	PASS
		VN	50	2.69	0.001431	± 2.5	PASS
	HCH	VN	-30	3.38	0.001772	± 2.5	PASS
		VN	-20	-1.03	-0.000540	± 2.5	PASS
		VN	-10	-0.86	-0.000451	± 2.5	PASS
		VN	0	-1.99	-0.001043	± 2.5	PASS
		VN	10	-0.7	-0.000367	± 2.5	PASS
		VN	20	-0.63	-0.000330	± 2.5	PASS
		VN	30	0.73	0.000383	± 2.5	PASS
		VN	40	4.78	0.002506	± 2.5	PASS
		VN	50	2.27	0.001190	± 2.5	PASS
16QAM	LCH	VN	-30	0.11	0.000059	± 2.5	PASS
		VN	-20	2.8	0.001511	± 2.5	PASS
		VN	-10	-0.67	-0.000362	± 2.5	PASS
		VN	0	4.54	0.002451	± 2.5	PASS
		VN	10	-0.07	-0.000038	± 2.5	PASS
		VN	20	0.96	0.000518	± 2.5	PASS
		VN	30	-1.38	-0.000745	± 2.5	PASS
		VN	40	0.67	0.000362	± 2.5	PASS
		VN	50	3.18	0.001717	± 2.5	PASS
	MCH	VN	-30	-0.82	-0.000436	± 2.5	PASS
		VN	-20	4.14	0.002202	± 2.5	PASS
		VN	-10	3.76	0.002000	± 2.5	PASS
		VN	0	-0.53	-0.000282	± 2.5	PASS
		VN	10	4.81	0.002559	± 2.5	PASS
		VN	20	1.33	0.000707	± 2.5	PASS
		VN	30	4.99	0.002654	± 2.5	PASS
		VN	40	2.54	0.001351	± 2.5	PASS
		VN	50	0.68	0.000362	± 2.5	PASS
	HCH	VN	-30	2.1	0.001101	± 2.5	PASS
		VN	-20	-0.52	-0.000273	± 2.5	PASS
		VN	-10	4.67	0.002448	± 2.5	PASS
		VN	0	-1.98	-0.001038	± 2.5	PASS
		VN	10	-0.53	-0.000278	± 2.5	PASS
		VN	20	3.87	0.002029	± 2.5	PASS
		VN	30	-0.93	-0.000488	± 2.5	PASS
		VN	40	-0.56	-0.000294	± 2.5	PASS
		VN	50	3.38	0.001772	± 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	2.72	0.001466	± 2.5	PASS
		VN	TN	0.05	0.000027	± 2.5	PASS
		VH	TN	2.84	0.001531	± 2.5	PASS
	MCH	VL	TN	2.3	0.001223	± 2.5	PASS
		VN	TN	-1.75	-0.000931	± 2.5	PASS
		VH	TN	3.73	0.001984	± 2.5	PASS
	HCH	VL	TN	3.3	0.001732	± 2.5	PASS
		VN	TN	-0.74	-0.000388	± 2.5	PASS
		VH	TN	0.7	0.000367	± 2.5	PASS
16QAM	LCH	VL	TN	0.32	0.000173	± 2.5	PASS
		VN	TN	4.43	0.002388	± 2.5	PASS
		VH	TN	1.45	0.000782	± 2.5	PASS
	MCH	VL	TN	-0.34	-0.000181	± 2.5	PASS
		VN	TN	-0.94	-0.000500	± 2.5	PASS
		VH	TN	1.86	0.000989	± 2.5	PASS
	HCH	VL	TN	0.91	0.000478	± 2.5	PASS
		VN	TN	0.71	0.000373	± 2.5	PASS
		VH	TN	-1.62	-0.000850	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.17	-0.000092	± 2.5	PASS
		VN	-20	2.9	0.001563	± 2.5	PASS
		VN	-10	-1.65	-0.000889	± 2.5	PASS
		VN	0	2.49	0.001342	± 2.5	PASS
		VN	10	1.54	0.000830	± 2.5	PASS
		VN	20	-0.24	-0.000129	± 2.5	PASS
		VN	30	0.61	0.000329	± 2.5	PASS
		VN	40	0.25	0.000135	± 2.5	PASS
		VN	50	0.31	0.000167	± 2.5	PASS
	MCH	VN	-30	3.69	0.001963	± 2.5	PASS
		VN	-20	-0.17	-0.000090	± 2.5	PASS
		VN	-10	4.2	0.002234	± 2.5	PASS
		VN	0	0.67	0.000356	± 2.5	PASS
		VN	10	0.12	0.000064	± 2.5	PASS
		VN	20	-1.2	-0.000638	± 2.5	PASS

		VN	30	-0.87	-0.000463	± 2.5	PASS
		VN	40	2.94	0.001564	± 2.5	PASS
		VN	50	2.34	0.001245	± 2.5	PASS
	HCH	VN	-30	-0.03	-0.000016	± 2.5	PASS
		VN	-20	-1.6	-0.000840	± 2.5	PASS
		VN	-10	-1.01	-0.000530	± 2.5	PASS
		VN	0	1.16	0.000609	± 2.5	PASS
		VN	10	2.91	0.001528	± 2.5	PASS
		VN	20	4.56	0.002394	± 2.5	PASS
		VN	30	-0.31	-0.000163	± 2.5	PASS
		VN	40	2.86	0.001501	± 2.5	PASS
		VN	50	0.21	0.000110	± 2.5	PASS
16QAM	LCH	VN	-30	4.25	0.002291	± 2.5	PASS
		VN	-20	-0.5	-0.000270	± 2.5	PASS
		VN	-10	2.98	0.001606	± 2.5	PASS
		VN	0	3.76	0.002027	± 2.5	PASS
		VN	10	0.82	0.000442	± 2.5	PASS
		VN	20	2.86	0.001542	± 2.5	PASS
		VN	30	1.37	0.000739	± 2.5	PASS
		VN	40	4.36	0.002350	± 2.5	PASS
		VN	50	0.18	0.000097	± 2.5	PASS
	MCH	VN	-30	4.72	0.002511	± 2.5	PASS
		VN	-20	4.77	0.002537	± 2.5	PASS
		VN	-10	-1.87	-0.000995	± 2.5	PASS
		VN	0	-1.32	-0.000702	± 2.5	PASS
		VN	10	2.21	0.001176	± 2.5	PASS
		VN	20	-1.62	-0.000862	± 2.5	PASS
		VN	30	0.48	0.000255	± 2.5	PASS
		VN	40	-0.61	-0.000324	± 2.5	PASS
		VN	50	0.3	0.000160	± 2.5	PASS
	HCH	VN	-30	4.16	0.002184	± 2.5	PASS
		VN	-20	-1.81	-0.000950	± 2.5	PASS
		VN	-10	0.3	0.000157	± 2.5	PASS
		VN	0	3.2	0.001680	± 2.5	PASS
		VN	10	1.51	0.000793	± 2.5	PASS
		VN	20	2.08	0.001092	± 2.5	PASS
		VN	30	0.61	0.000320	± 2.5	PASS
		VN	40	1.09	0.000572	± 2.5	PASS
		VN	50	-0.65	-0.000341	± 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	2.27	0.001222	± 2.5	PASS
		VN	TN	-0.2	-0.000108	± 2.5	PASS
		VH	TN	-1.44	-0.000775	± 2.5	PASS
	MCH	VL	TN	1.38	0.000734	± 2.5	PASS
		VN	TN	4.8	0.002553	± 2.5	PASS
		VH	TN	2.03	0.001080	± 2.5	PASS
	HCH	VL	TN	2.22	0.001167	± 2.5	PASS
		VN	TN	1.06	0.000557	± 2.5	PASS
		VH	TN	1.18	0.000620	± 2.5	PASS
16QAM	LCH	VL	TN	2.68	0.001443	± 2.5	PASS
		VN	TN	5	0.002692	± 2.5	PASS
		VH	TN	-1.96	-0.001055	± 2.5	PASS
	MCH	VL	TN	2.36	0.001255	± 2.5	PASS
		VN	TN	0.5	0.000266	± 2.5	PASS
		VH	TN	-0.13	-0.000069	± 2.5	PASS
	HCH	VL	TN	0.1	0.000053	± 2.5	PASS
		VN	TN	-1.55	-0.000815	± 2.5	PASS
		VH	TN	3.97	0.002087	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.05	-0.000565	± 2.5	PASS
		VN	-20	1.36	0.000732	± 2.5	PASS
		VN	-10	0.93	0.000501	± 2.5	PASS
		VN	0	-0.45	-0.000242	± 2.5	PASS
		VN	10	2.96	0.001594	± 2.5	PASS
		VN	20	3.72	0.002003	± 2.5	PASS
		VN	30	0.69	0.000371	± 2.5	PASS
		VN	40	-1.29	-0.000694	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	3.63	0.001931	± 2.5	PASS
		VN	-20	-1.05	-0.000559	± 2.5	PASS
		VN	-10	-1.45	-0.000771	± 2.5	PASS
		VN	0	1.51	0.000803	± 2.5	PASS
		VN	10	-0.77	-0.000410	± 2.5	PASS
		VN	20	0.02	0.000011	± 2.5	PASS

		VN	30	1.81	0.000963	± 2.5	PASS
		VN	40	-1.6	-0.000851	± 2.5	PASS
		VN	50	-0.69	-0.000367	± 2.5	PASS
	HCH	VN	-30	2.93	0.001540	± 2.5	PASS
		VN	-20	-1.02	-0.000536	± 2.5	PASS
		VN	-10	3.05	0.001603	± 2.5	PASS
		VN	0	-1.57	-0.000825	± 2.5	PASS
		VN	10	2.27	0.001193	± 2.5	PASS
		VN	20	1.62	0.000852	± 2.5	PASS
		VN	30	3.48	0.001829	± 2.5	PASS
		VN	40	3.7	0.001945	± 2.5	PASS
		VN	50	-1.17	-0.000615	± 2.5	PASS
16QAM	LCH	VN	-30	-0.77	-0.000415	± 2.5	PASS
		VN	-20	4.53	0.002439	± 2.5	PASS
		VN	-10	-0.15	-0.000081	± 2.5	PASS
		VN	0	3.57	0.001922	± 2.5	PASS
		VN	10	1.61	0.000867	± 2.5	PASS
		VN	20	2.95	0.001588	± 2.5	PASS
		VN	30	-1.04	-0.000560	± 2.5	PASS
		VN	40	4.84	0.002606	± 2.5	PASS
		VN	50	2.47	0.001330	± 2.5	PASS
	MCH	VN	-30	3.9	0.002074	± 2.5	PASS
		VN	-20	-1.08	-0.000574	± 2.5	PASS
		VN	-10	-0.67	-0.000356	± 2.5	PASS
		VN	0	3.01	0.001601	± 2.5	PASS
		VN	10	-0.62	-0.000330	± 2.5	PASS
		VN	20	1.5	0.000798	± 2.5	PASS
		VN	30	-1.91	-0.001016	± 2.5	PASS
		VN	40	-1.27	-0.000676	± 2.5	PASS
		VN	50	4.92	0.002617	± 2.5	PASS
	HCH	VN	-30	-1.86	-0.000978	± 2.5	PASS
		VN	-20	1.93	0.001014	± 2.5	PASS
		VN	-10	1.82	0.000957	± 2.5	PASS
		VN	0	0.1	0.000053	± 2.5	PASS
		VN	10	1.2	0.000631	± 2.5	PASS
		VN	20	-1.55	-0.000815	± 2.5	PASS
		VN	30	-1.84	-0.000967	± 2.5	PASS
		VN	40	0.78	0.000410	± 2.5	PASS
		VN	50	0.09	0.000047	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.17	0.002242	± 2.5	PASS
		VN	TN	-0.19	-0.000102	± 2.5	PASS
		VH	TN	-1.4	-0.000753	± 2.5	PASS
	MCH	VL	TN	1.1	0.000585	± 2.5	PASS
		VN	TN	4.22	0.002245	± 2.5	PASS
		VH	TN	-1.26	-0.000670	± 2.5	PASS
	HCH	VL	TN	1.55	0.000816	± 2.5	PASS
		VN	TN	2.17	0.001142	± 2.5	PASS
		VH	TN	1.39	0.000732	± 2.5	PASS
16QAM	LCH	VL	TN	2.43	0.001306	± 2.5	PASS
		VN	TN	2.79	0.001500	± 2.5	PASS
		VH	TN	2.9	0.001559	± 2.5	PASS
	MCH	VL	TN	1.08	0.000574	± 2.5	PASS
		VN	TN	4.16	0.002213	± 2.5	PASS
		VH	TN	1.66	0.000883	± 2.5	PASS
	HCH	VL	TN	-1.48	-0.000779	± 2.5	PASS
		VN	TN	4.71	0.002479	± 2.5	PASS
		VH	TN	4.11	0.002163	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.46	0.000785	± 2.5	PASS
		VN	-20	3.45	0.001855	± 2.5	PASS
		VN	-10	-1.87	-0.001005	± 2.5	PASS
		VN	0	1.99	0.001070	± 2.5	PASS
		VN	10	3.11	0.001672	± 2.5	PASS
		VN	20	-1.58	-0.000849	± 2.5	PASS
		VN	30	0.34	0.000183	± 2.5	PASS
		VN	40	4.61	0.002478	± 2.5	PASS
		VN	50	2.27	0.001220	± 2.5	PASS
	MCH	VN	-30	4.81	0.002559	± 2.5	PASS
		VN	-20	-0.14	-0.000074	± 2.5	PASS
		VN	-10	4.64	0.002468	± 2.5	PASS
		VN	0	1.16	0.000617	± 2.5	PASS
		VN	10	-1.04	-0.000553	± 2.5	PASS
		VN	20	2.6	0.001383	± 2.5	PASS

		VN	30	-0.51	-0.000271	± 2.5	PASS
		VN	40	-0.17	-0.000090	± 2.5	PASS
		VN	50	1.36	0.000723	± 2.5	PASS
	HCH	VN	-30	1.71	0.000900	± 2.5	PASS
		VN	-20	1.73	0.000911	± 2.5	PASS
		VN	-10	1.67	0.000879	± 2.5	PASS
		VN	0	0.84	0.000442	± 2.5	PASS
		VN	10	4.85	0.002553	± 2.5	PASS
		VN	20	3.96	0.002084	± 2.5	PASS
		VN	30	4	0.002105	± 2.5	PASS
		VN	40	4.17	0.002195	± 2.5	PASS
		VN	50	4.16	0.002189	± 2.5	PASS
16QAM	LCH	VN	-30	-0.86	-0.000462	± 2.5	PASS
		VN	-20	4.67	0.002511	± 2.5	PASS
		VN	-10	-1.08	-0.000581	± 2.5	PASS
		VN	0	3.34	0.001796	± 2.5	PASS
		VN	10	2.83	0.001522	± 2.5	PASS
		VN	20	-1.94	-0.001043	± 2.5	PASS
		VN	30	4.79	0.002575	± 2.5	PASS
		VN	40	-1.98	-0.001065	± 2.5	PASS
		VN	50	-0.52	-0.000280	± 2.5	PASS
	MCH	VN	-30	0.24	0.000128	± 2.5	PASS
		VN	-20	3.54	0.001883	± 2.5	PASS
		VN	-10	2.52	0.001340	± 2.5	PASS
		VN	0	-0.51	-0.000271	± 2.5	PASS
		VN	10	1.99	0.001059	± 2.5	PASS
		VN	20	1.58	0.000840	± 2.5	PASS
		VN	30	-1.72	-0.000915	± 2.5	PASS
		VN	40	1.5	0.000798	± 2.5	PASS
		VN	50	3.13	0.001665	± 2.5	PASS
	HCH	VN	-30	3.74	0.001968	± 2.5	PASS
		VN	-20	-0.83	-0.000437	± 2.5	PASS
		VN	-10	2.34	0.001232	± 2.5	PASS
		VN	0	1.7	0.000895	± 2.5	PASS
		VN	10	1.45	0.000763	± 2.5	PASS
		VN	20	3.17	0.001668	± 2.5	PASS
		VN	30	4.95	0.002605	± 2.5	PASS
		VN	40	2.93	0.001542	± 2.5	PASS
		VN	50	4.92	0.002589	± 2.5	PASS