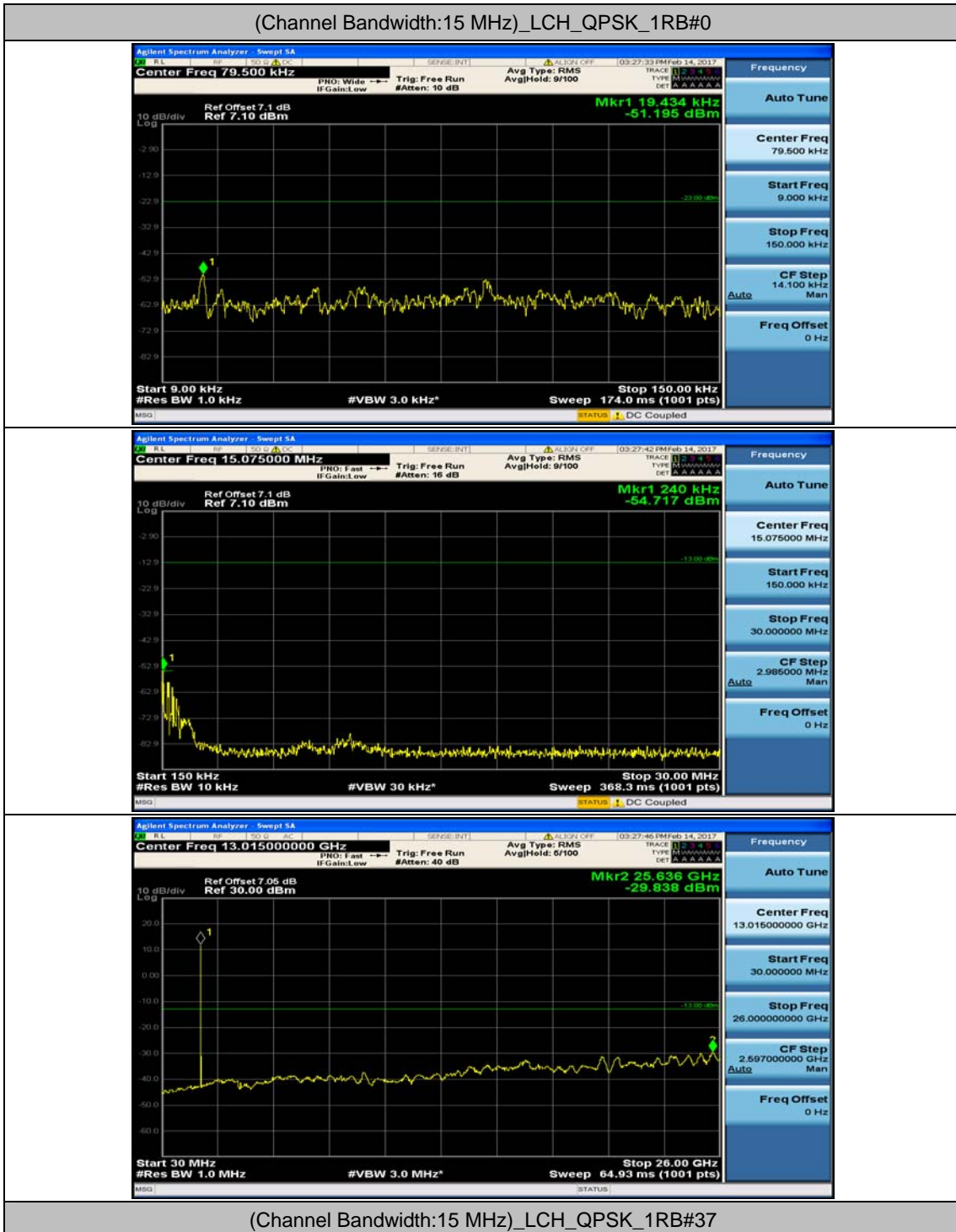## Channel Bandwidth: 15 MHz

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#0
(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_LCH_QPSK_1RB#74

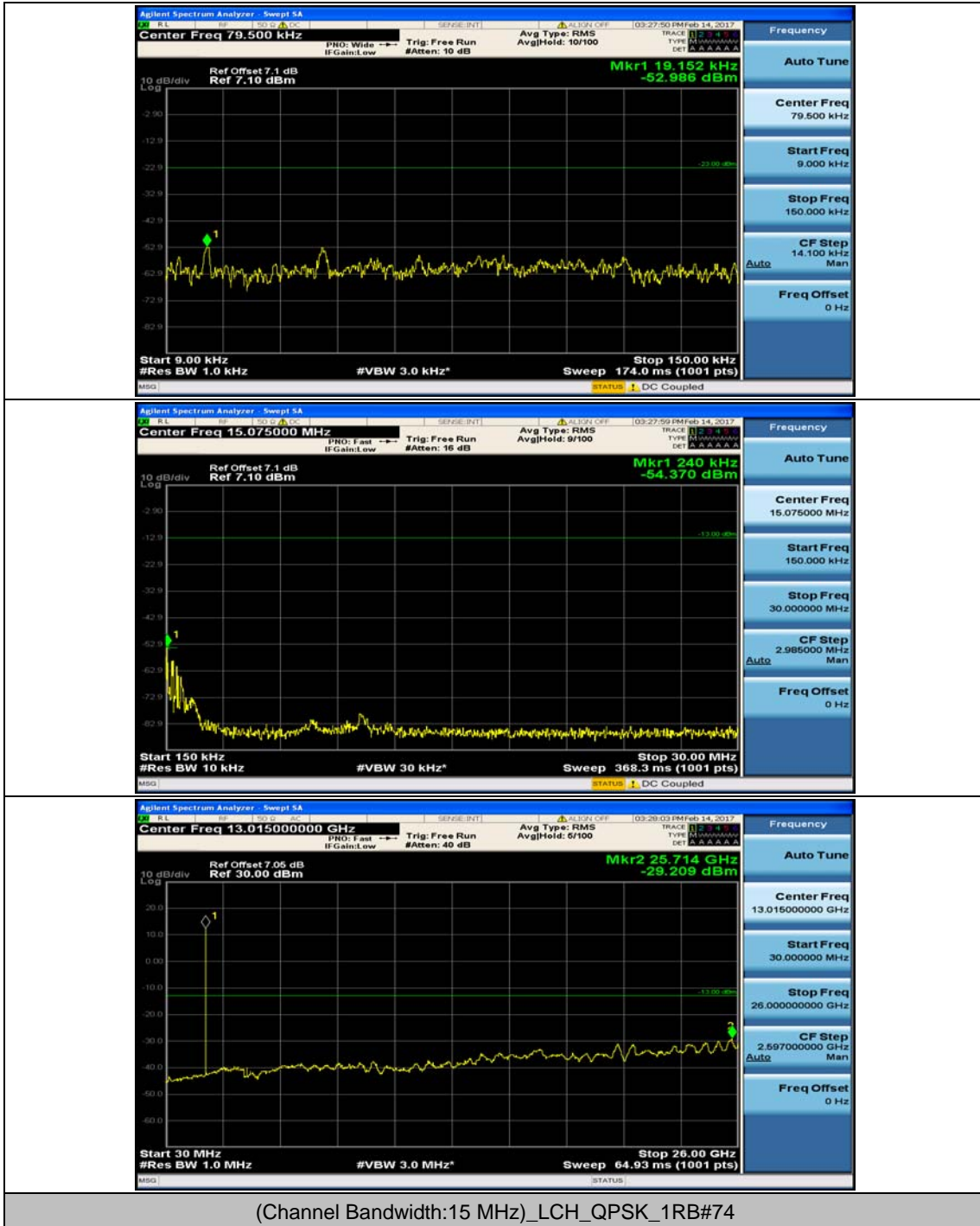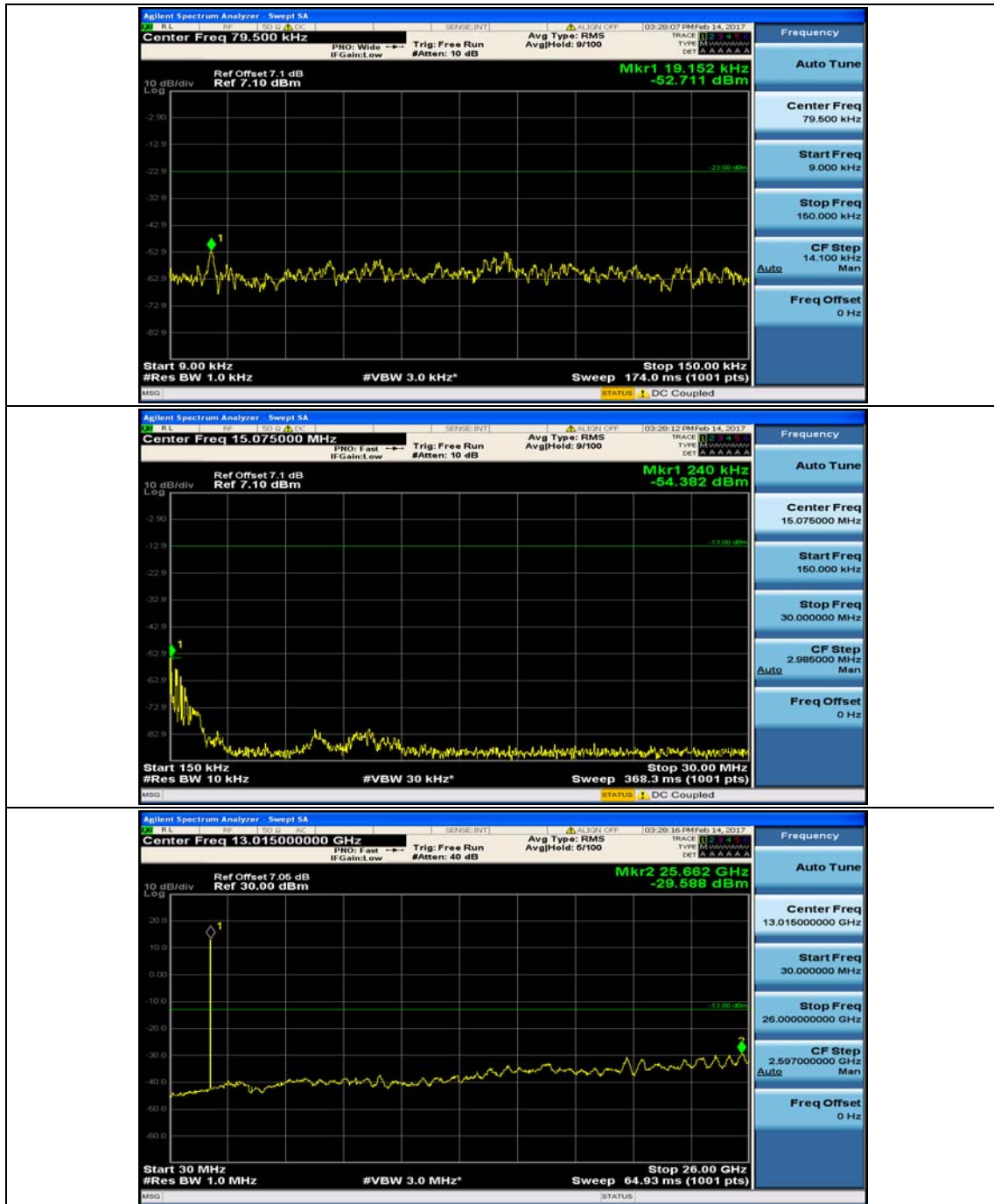| (Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0 |
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| (Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37 |

(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0
(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#74

(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37
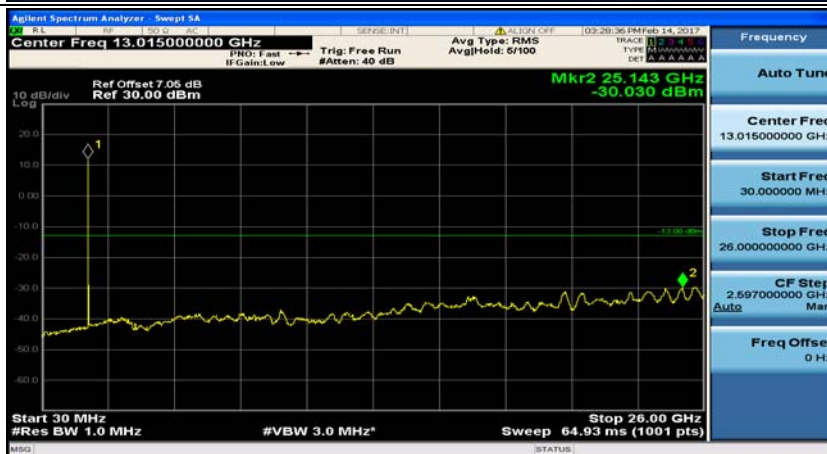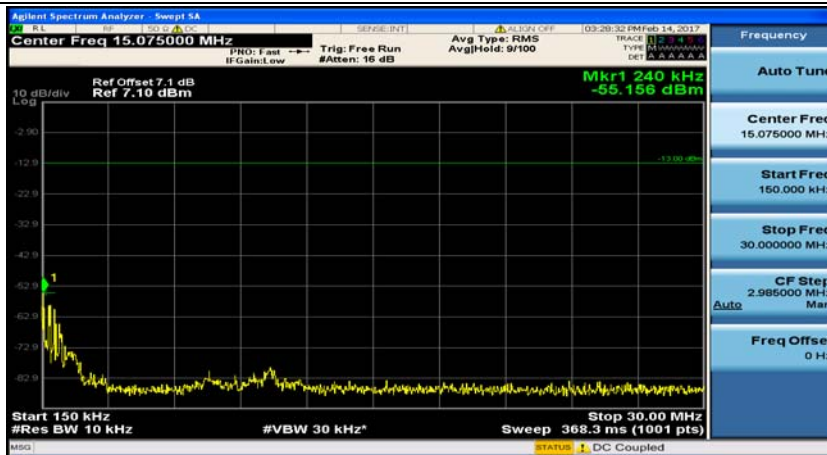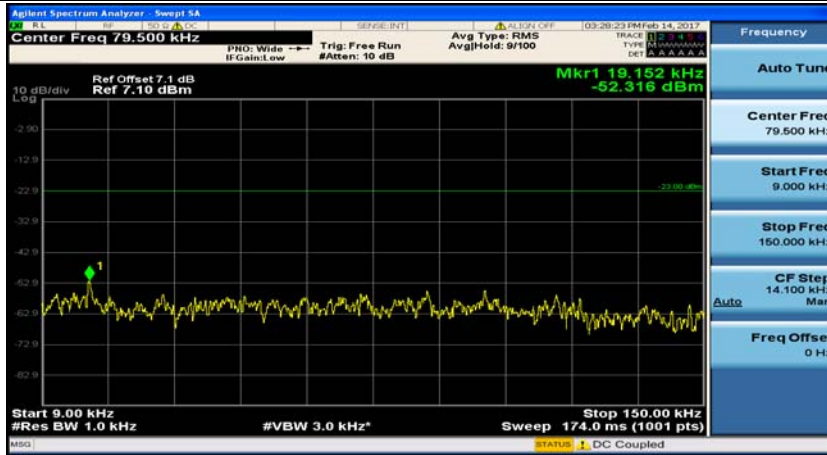
(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#74

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0
(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#74
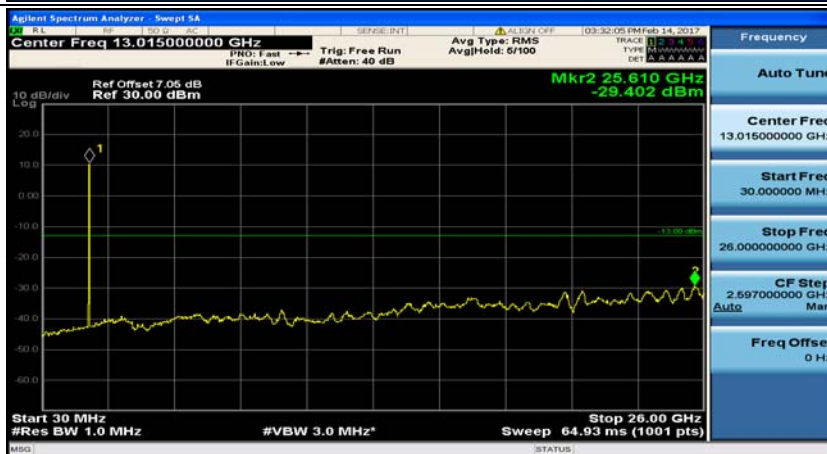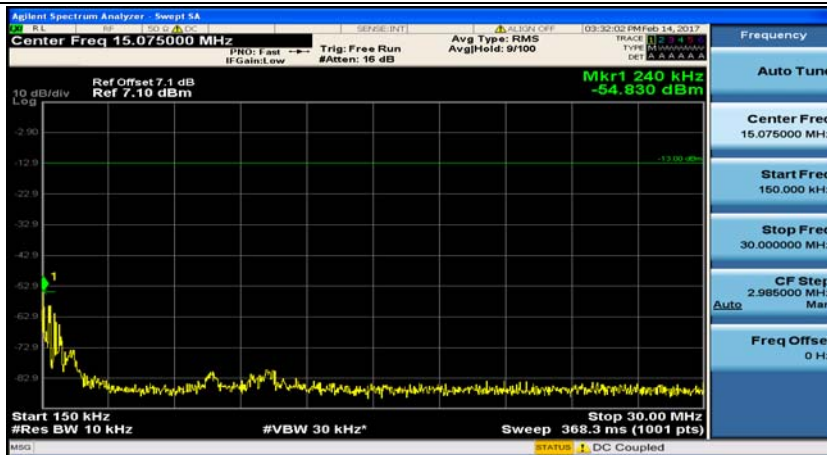
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

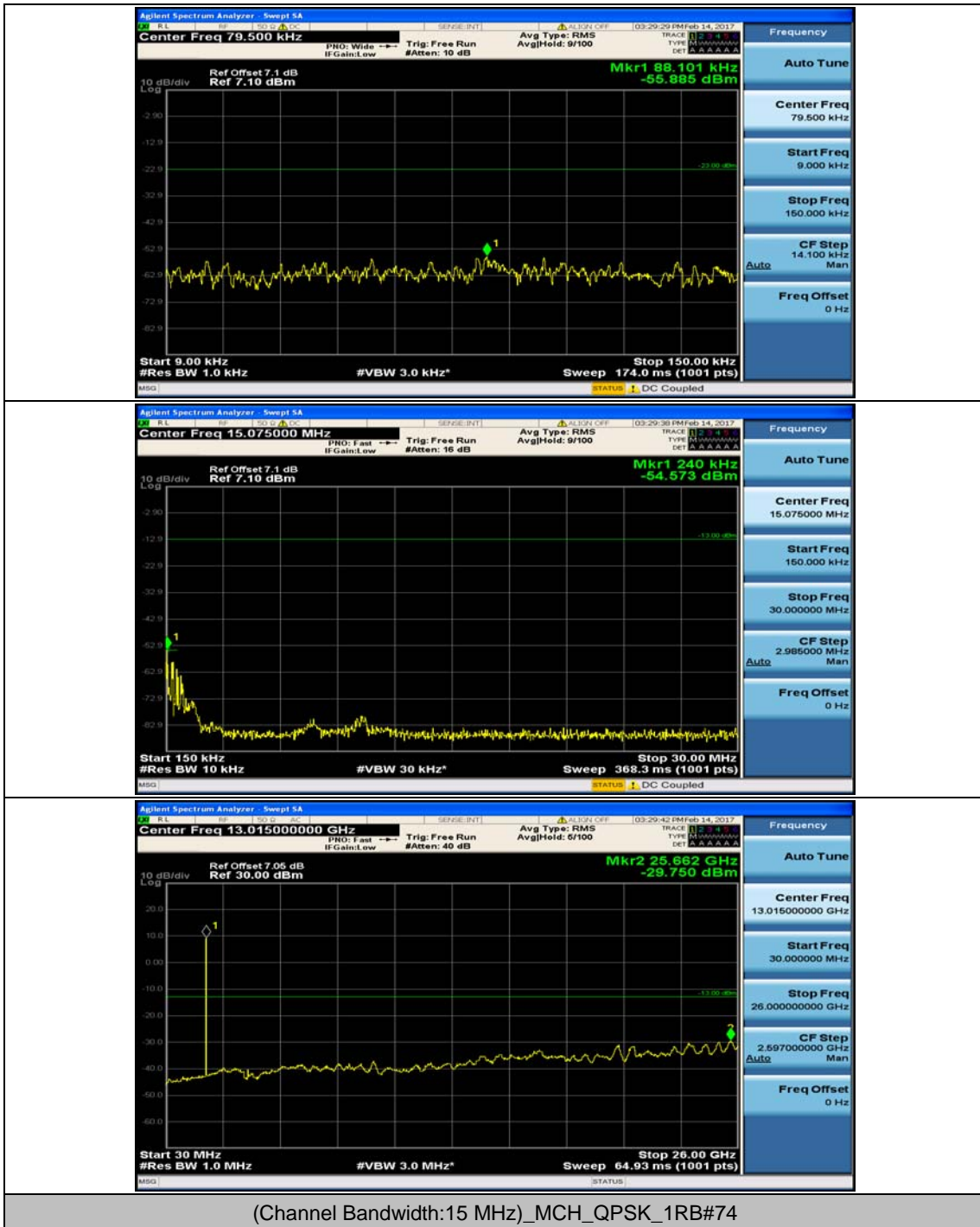| (Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37 |
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(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#74

Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49
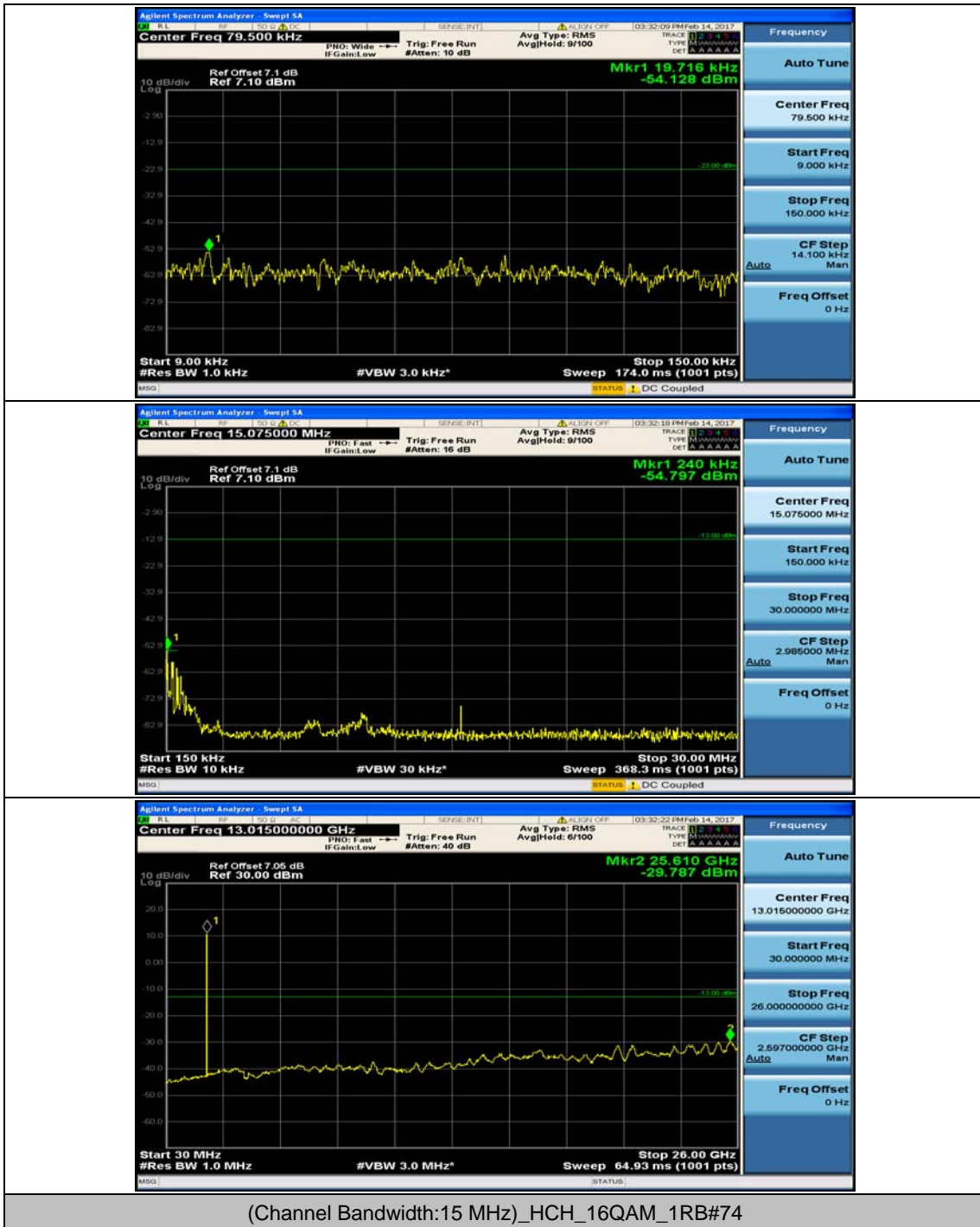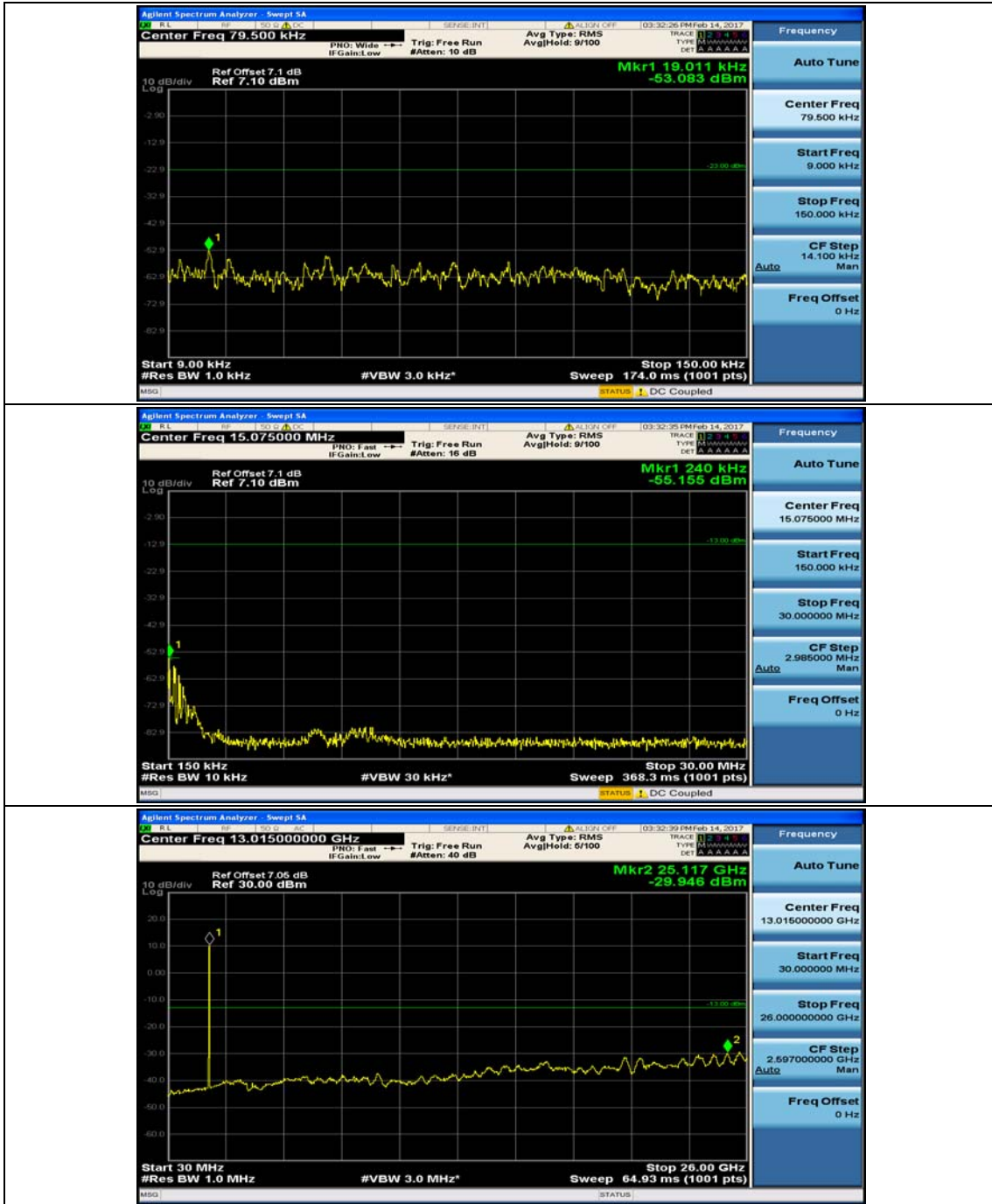
(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#99
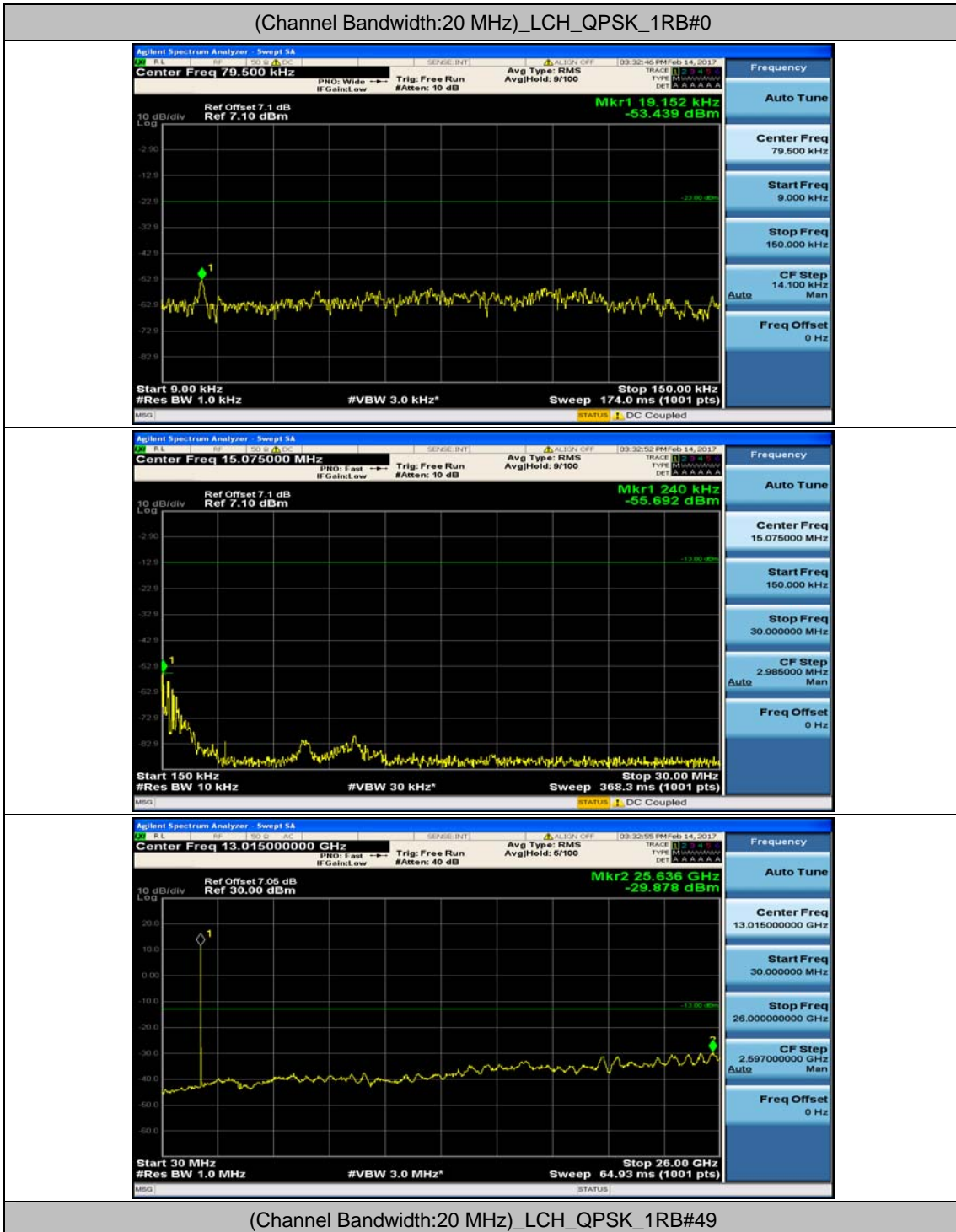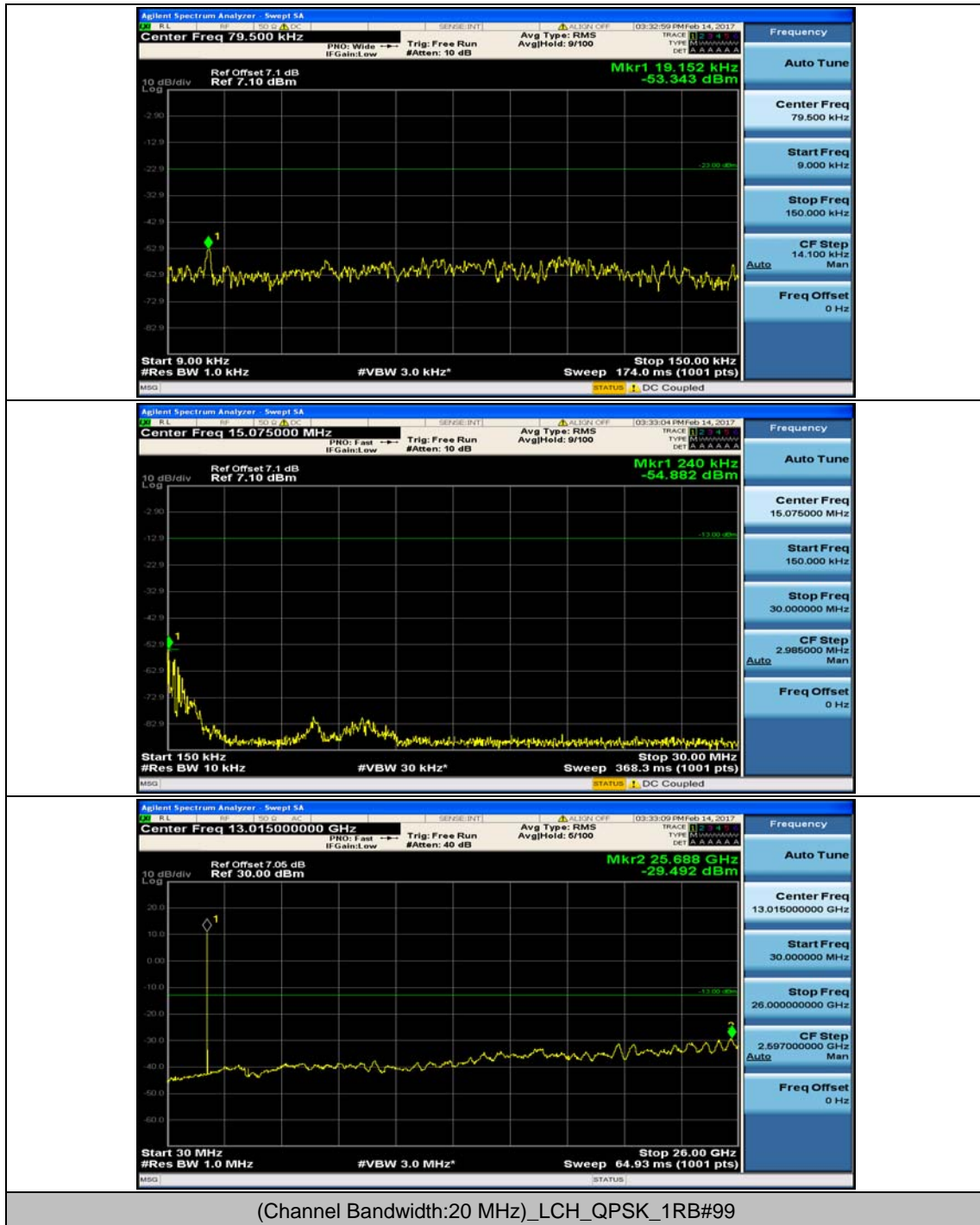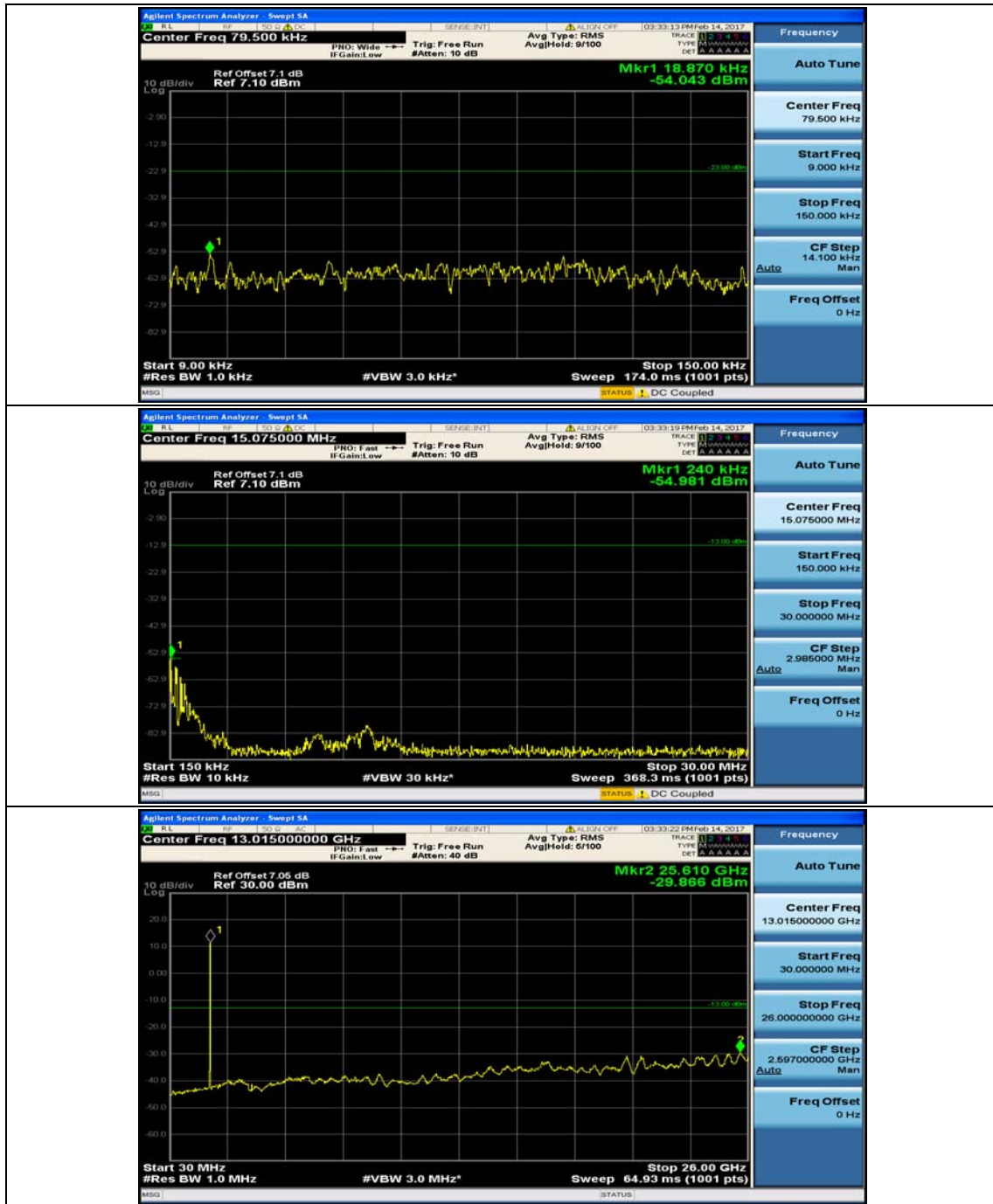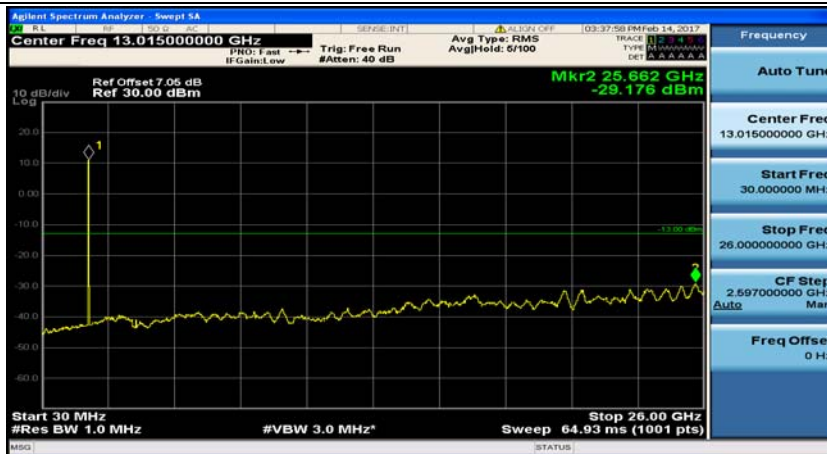
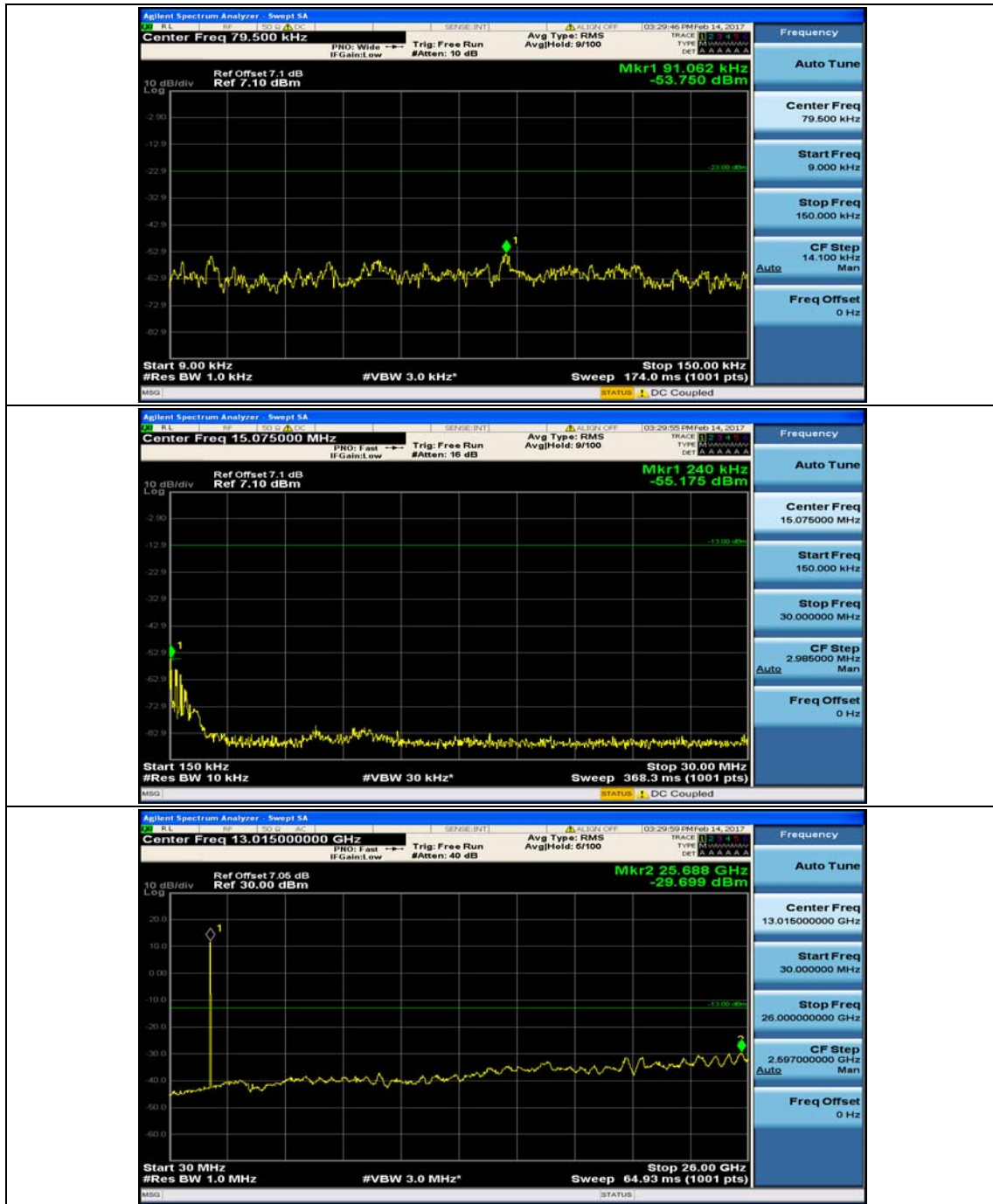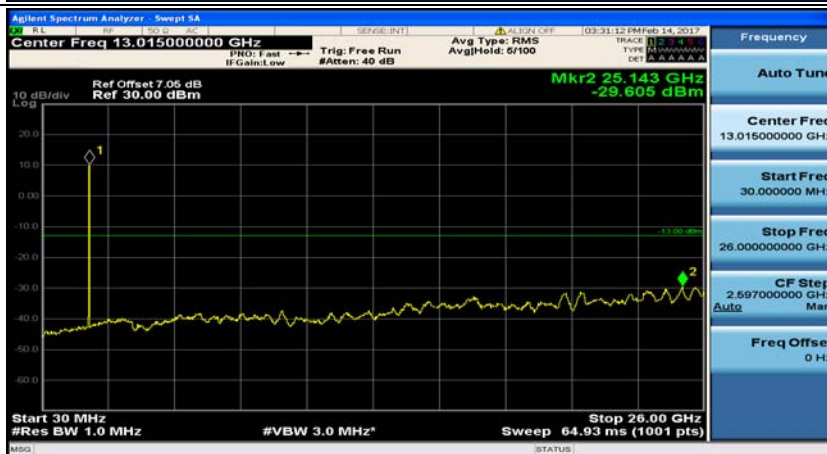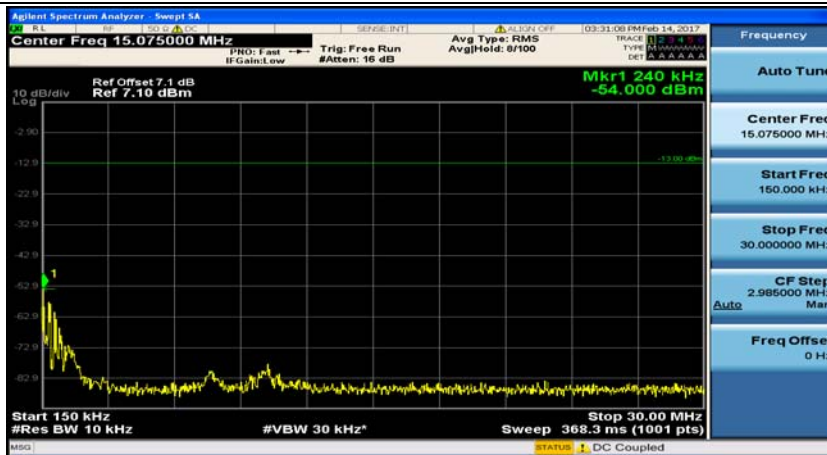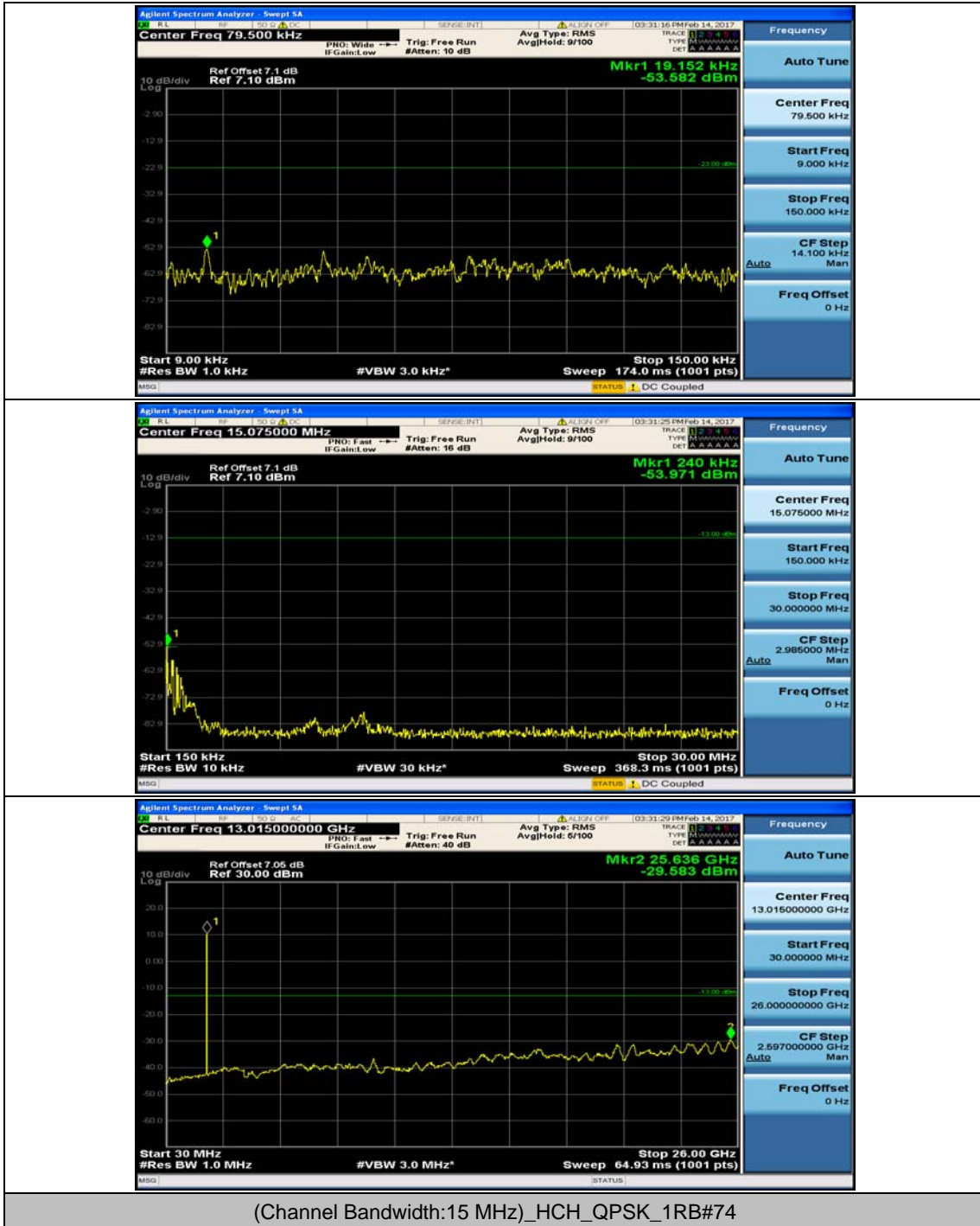| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0 |
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| (Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49 |

(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#99
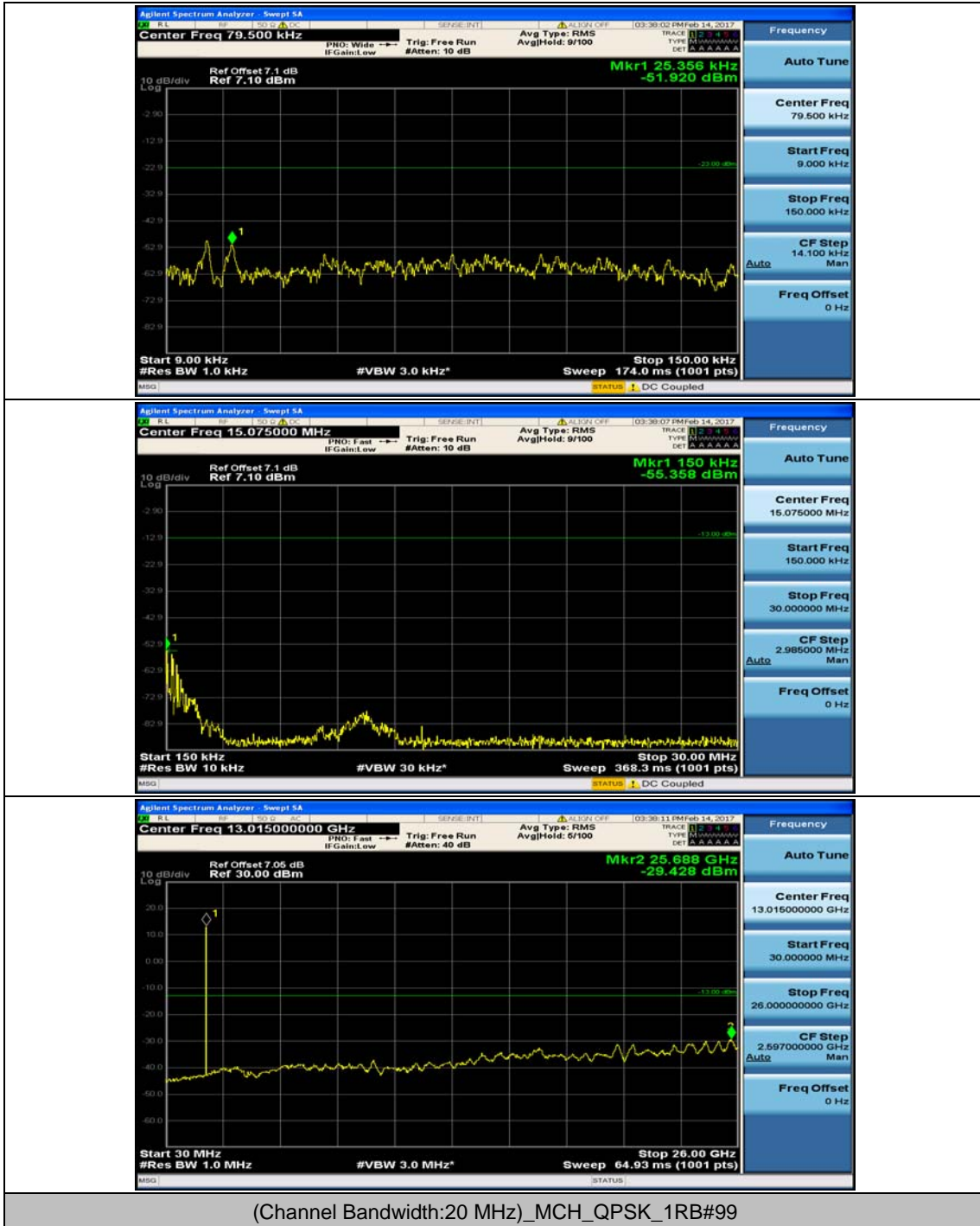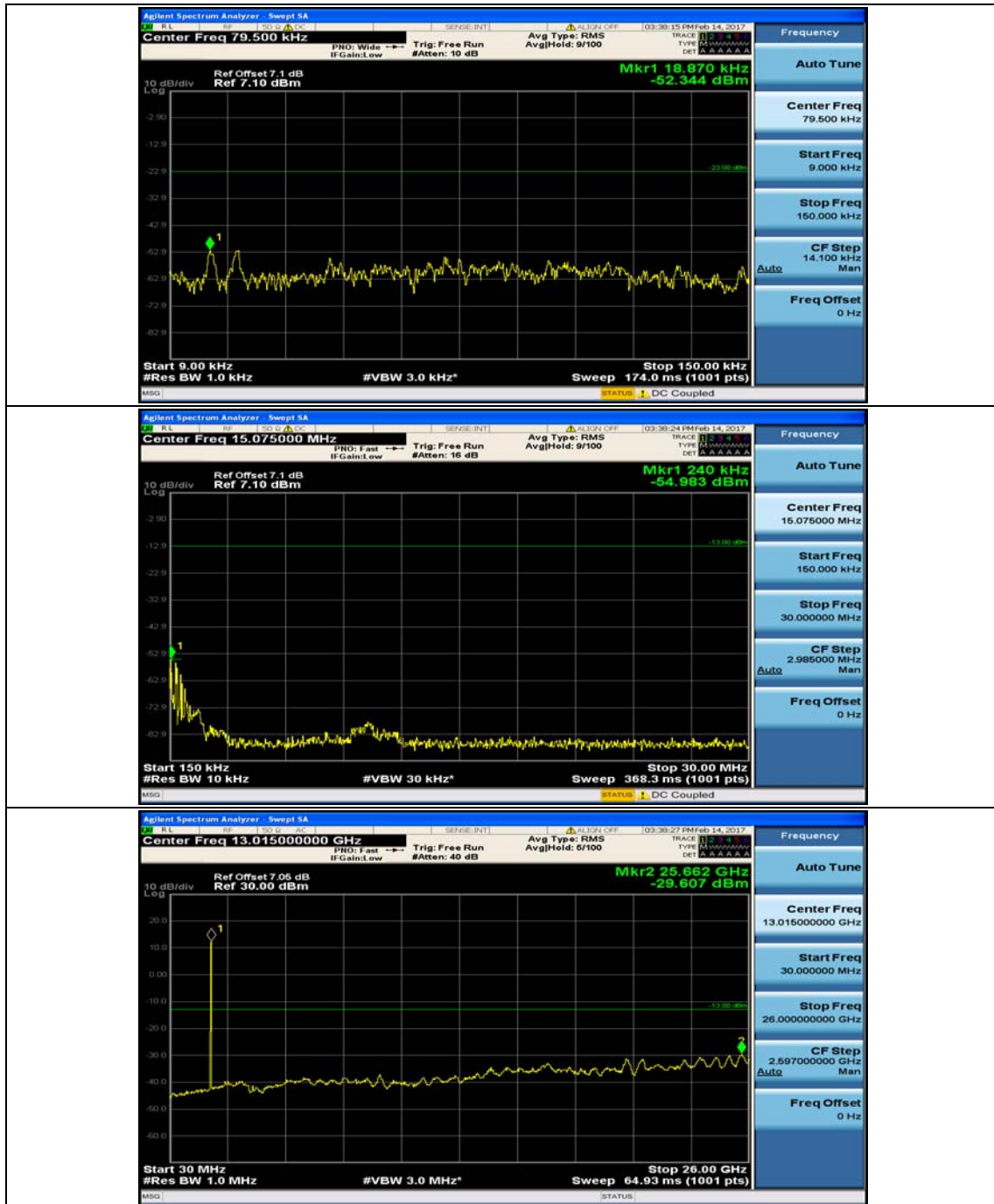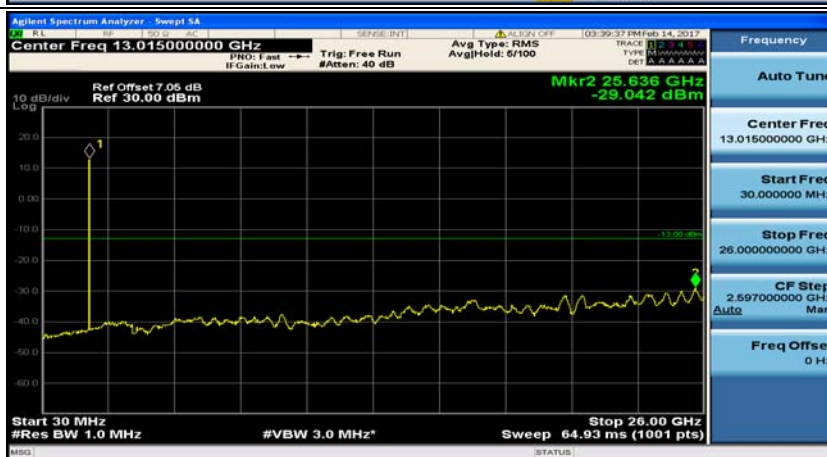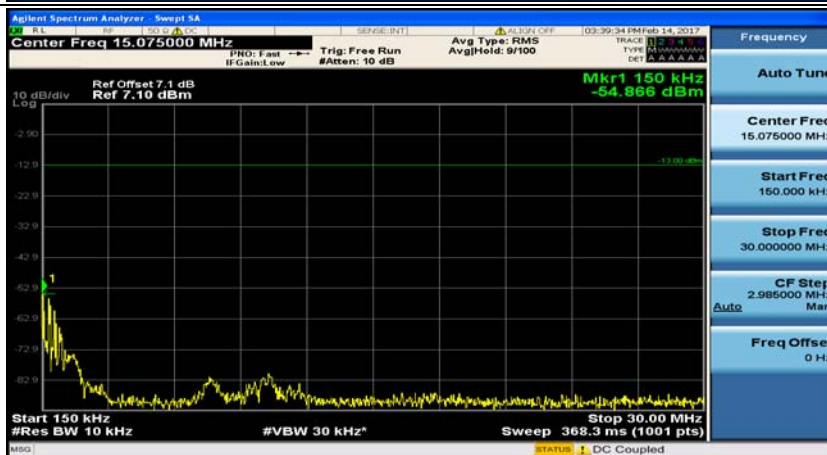
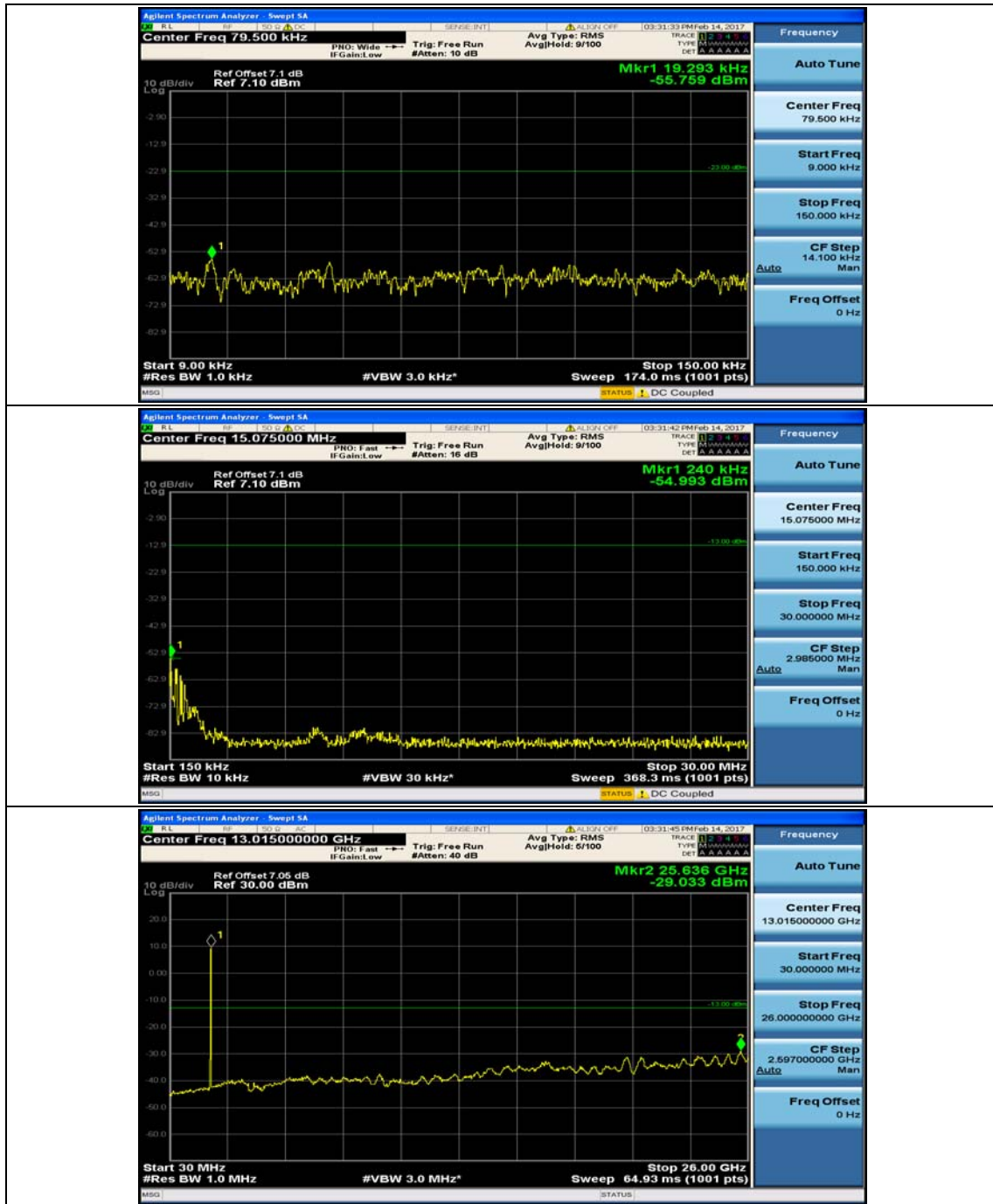| (Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0 |
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| (Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49 |

(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#99
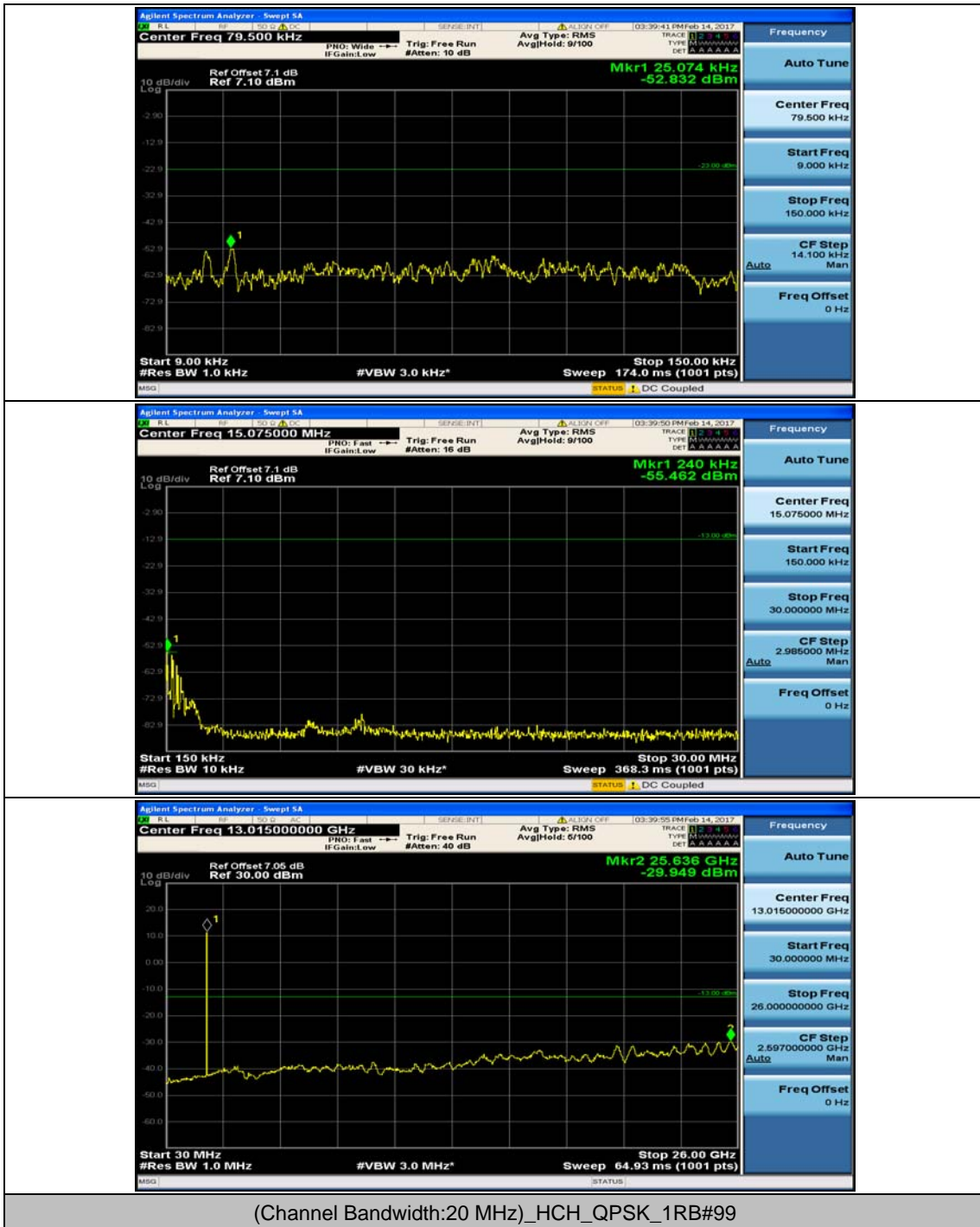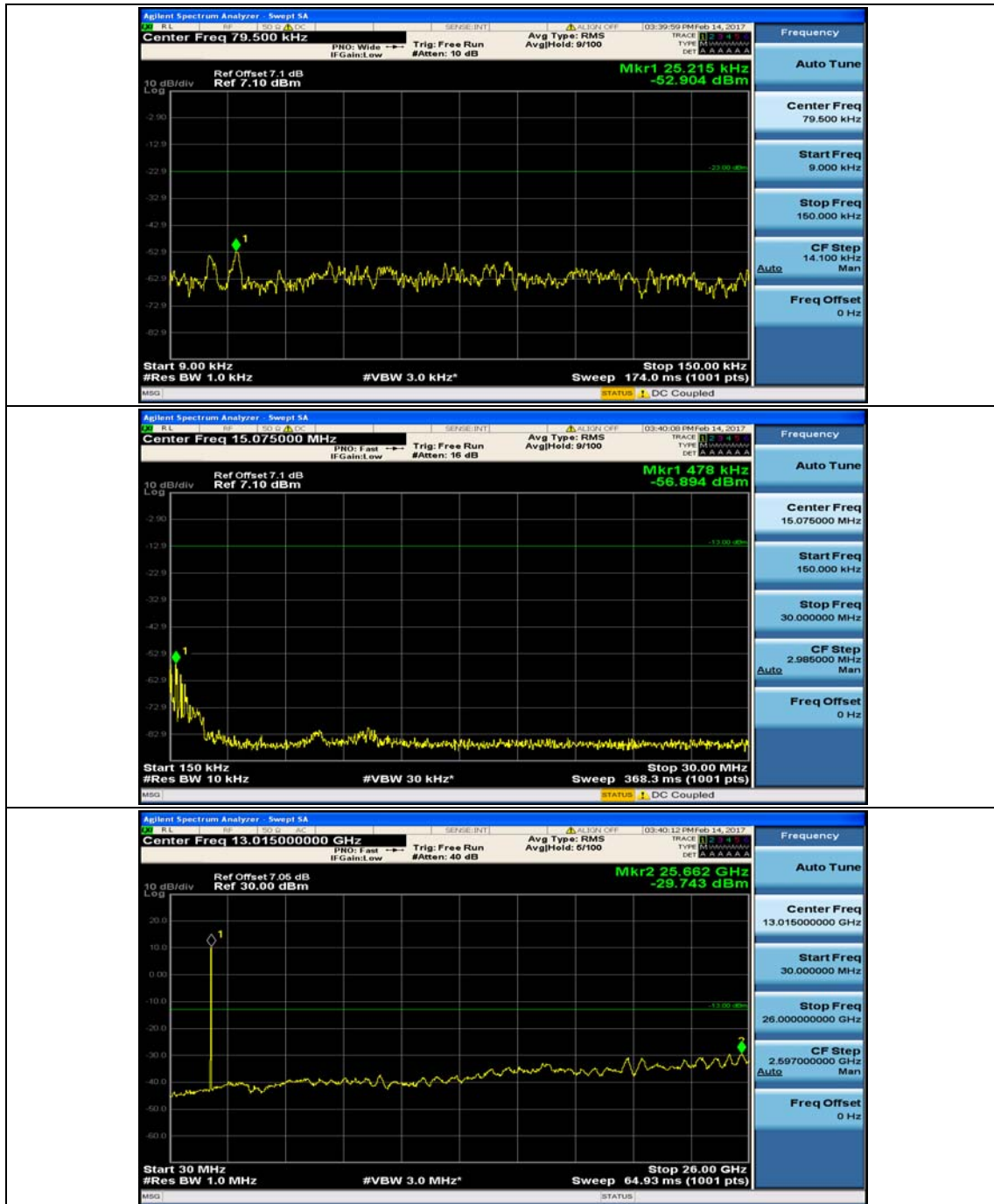
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49
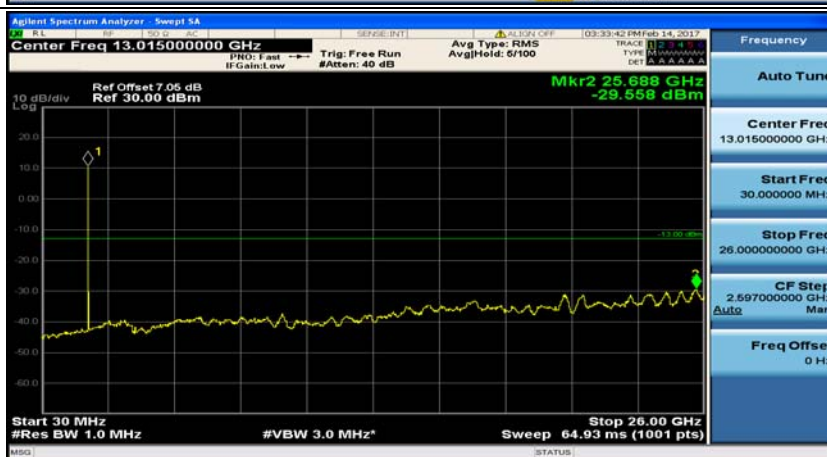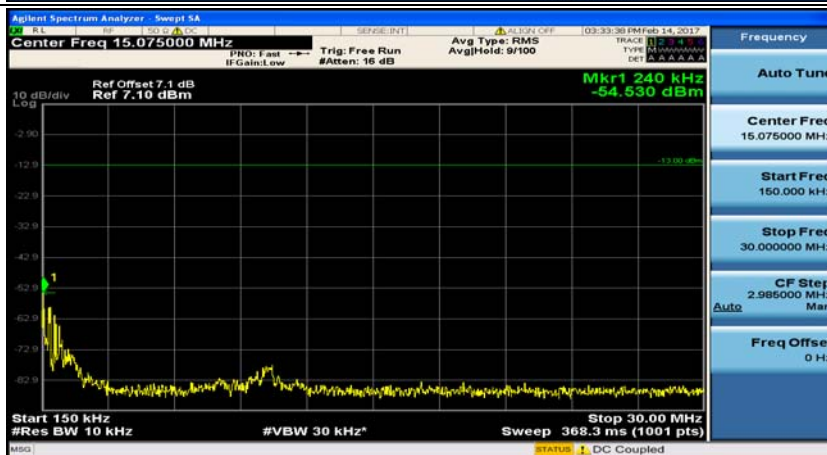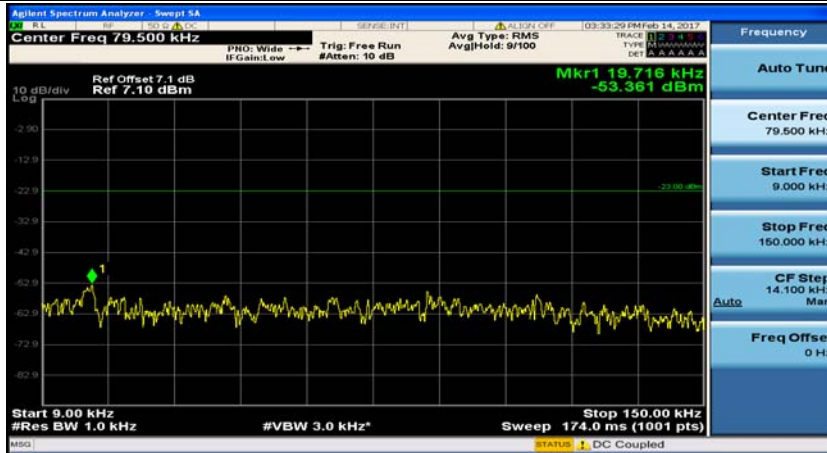
(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#99
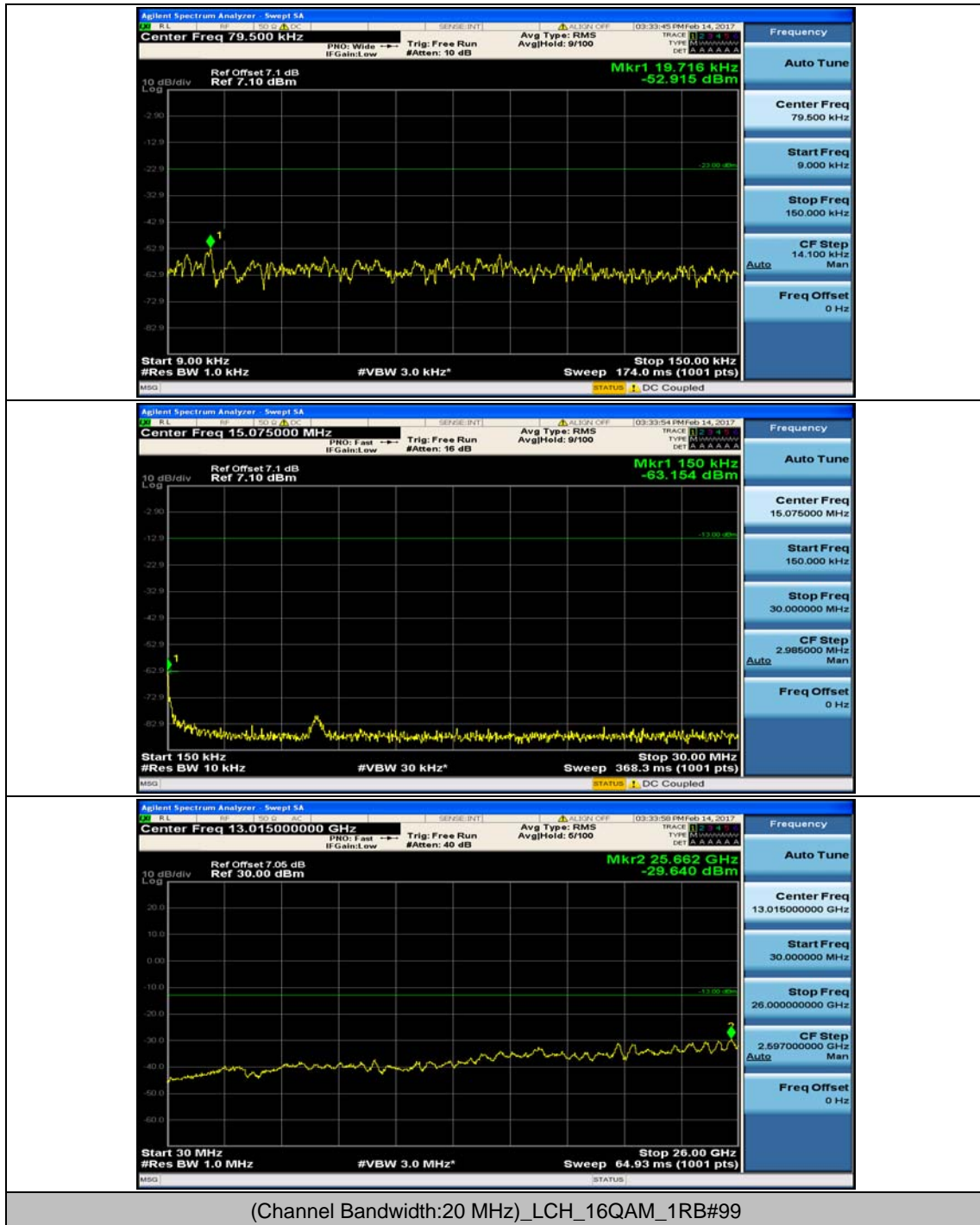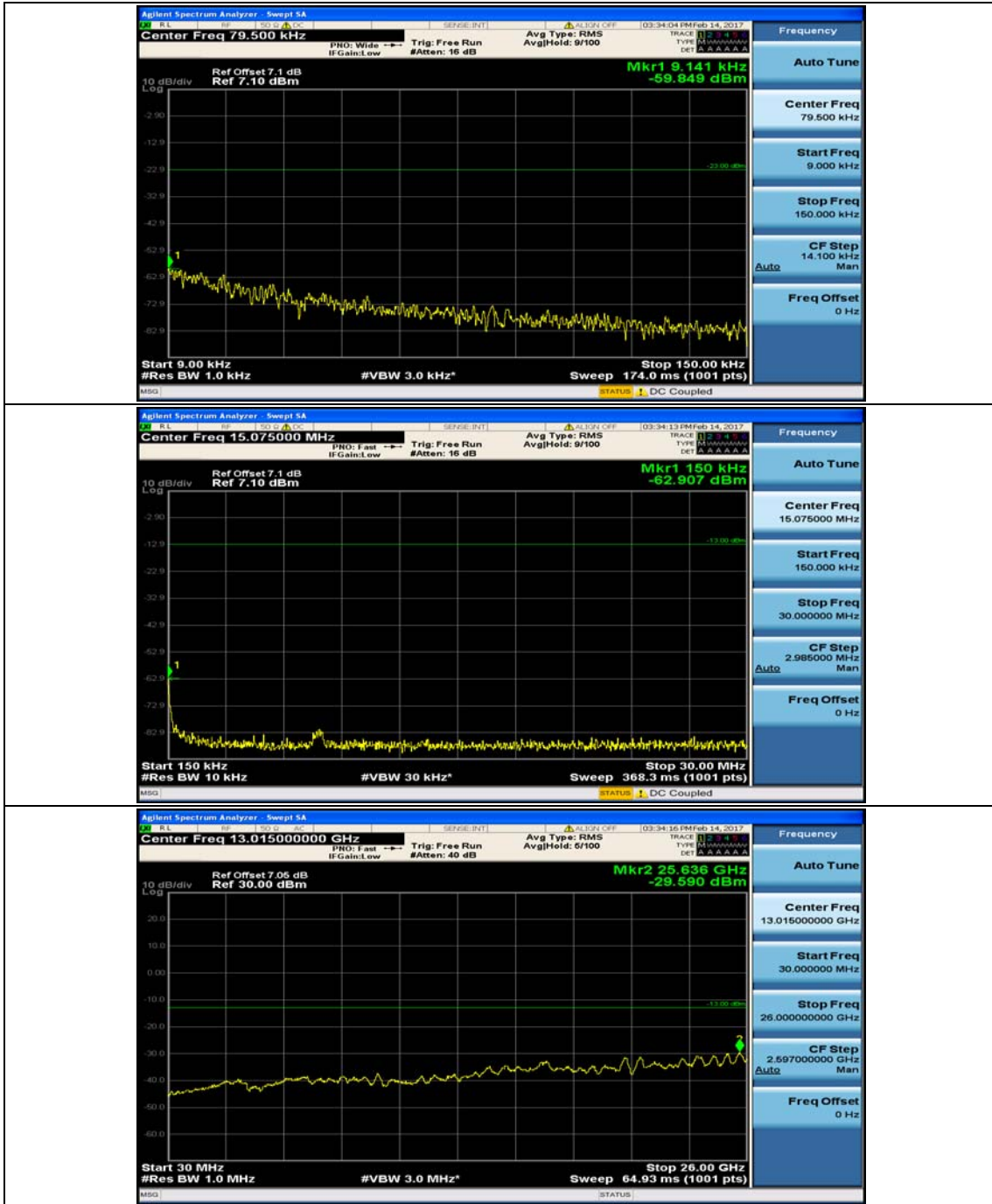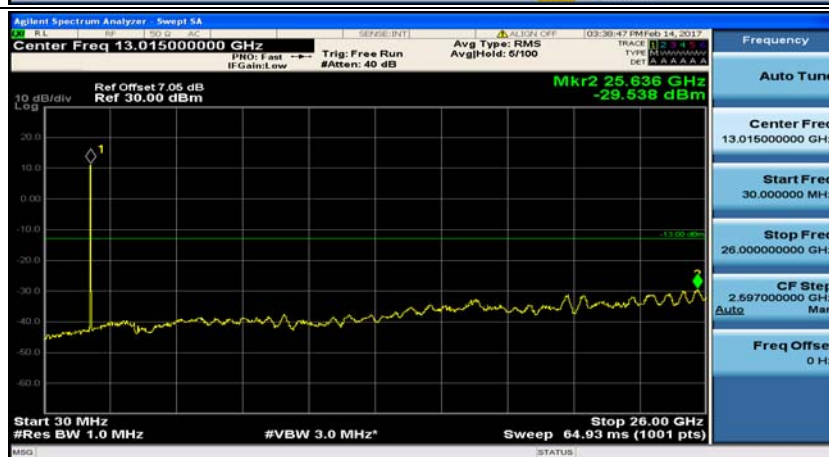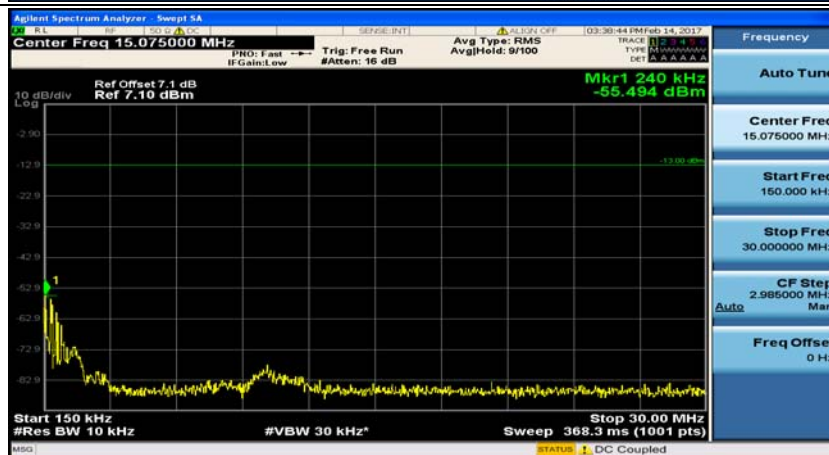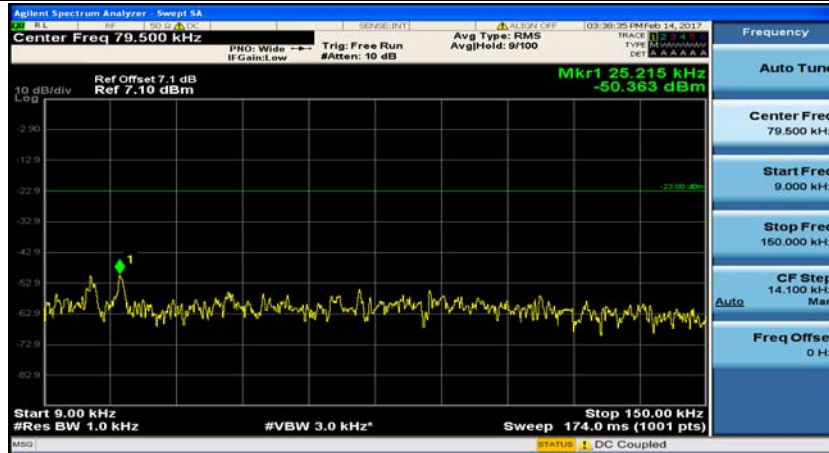
(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#99

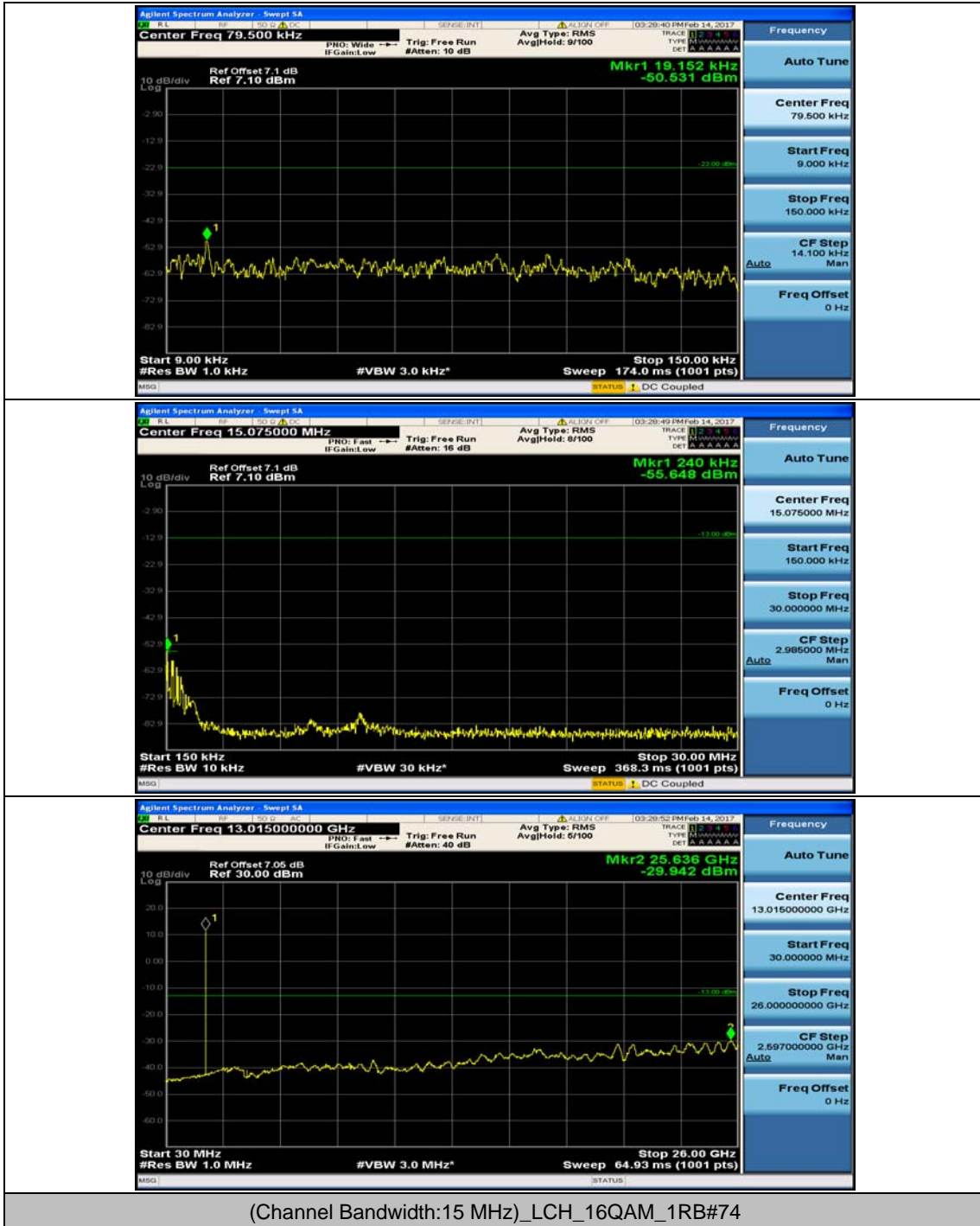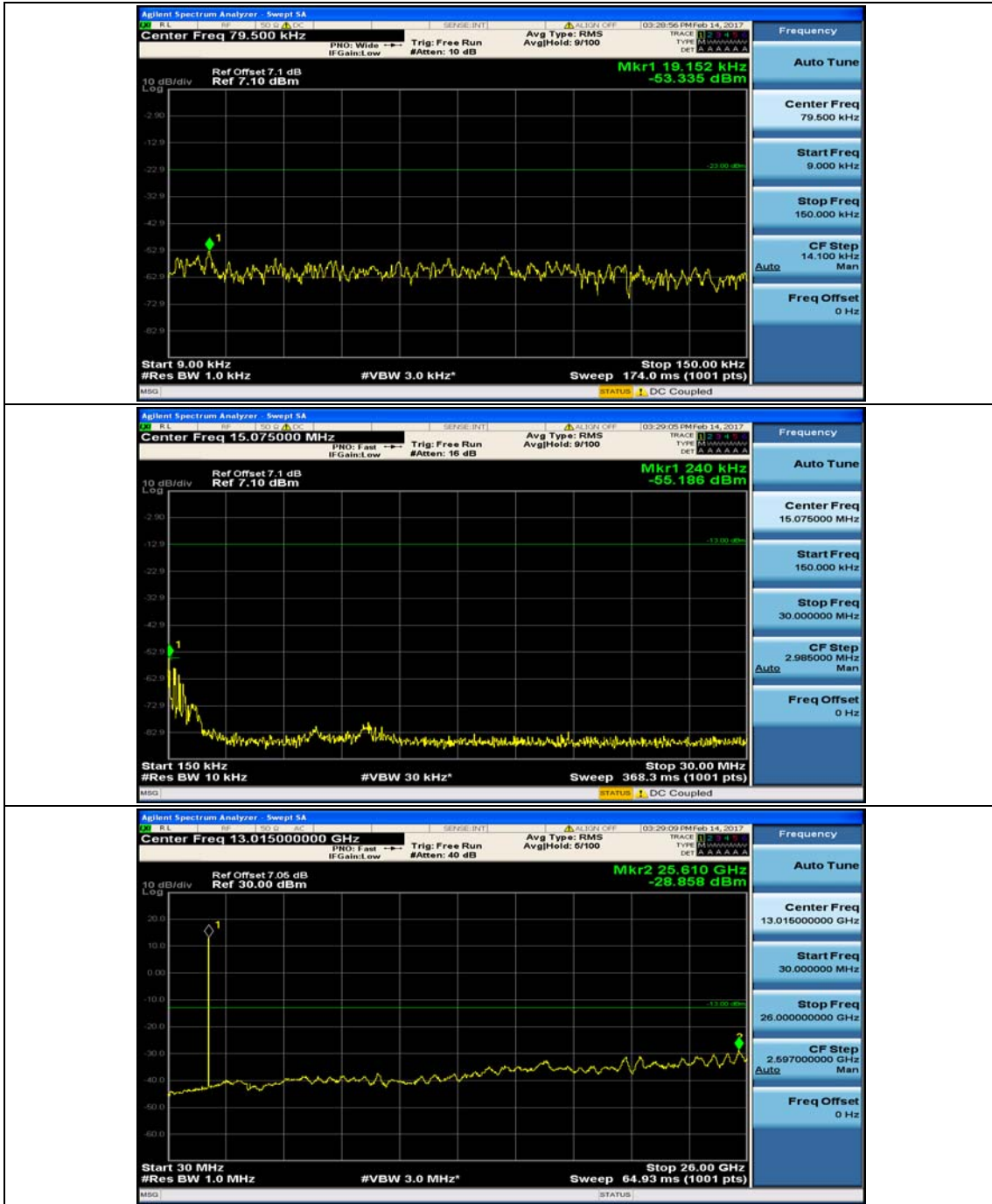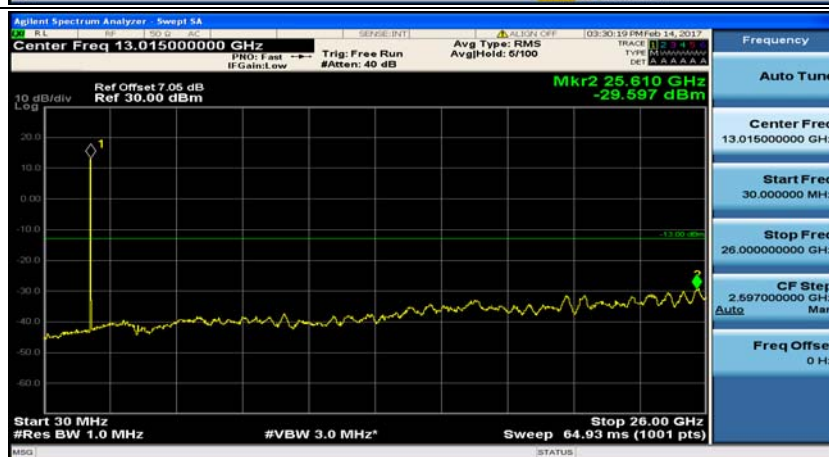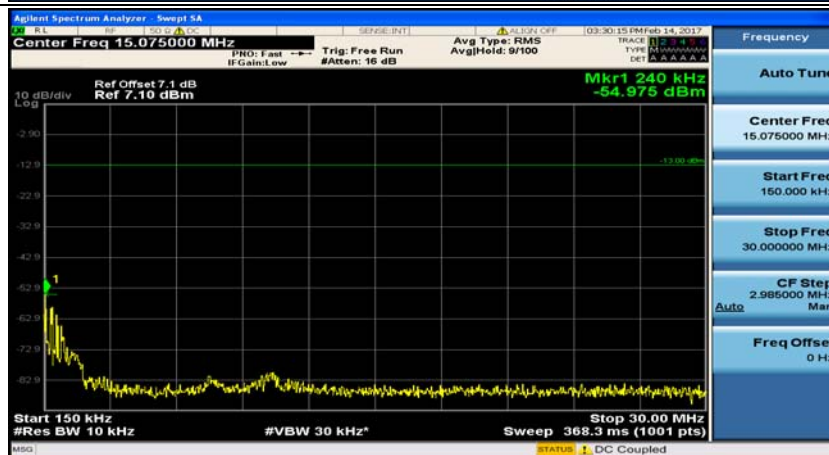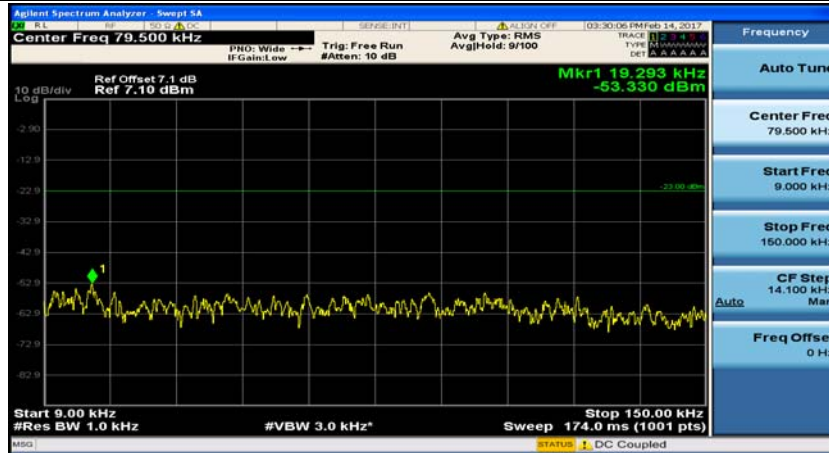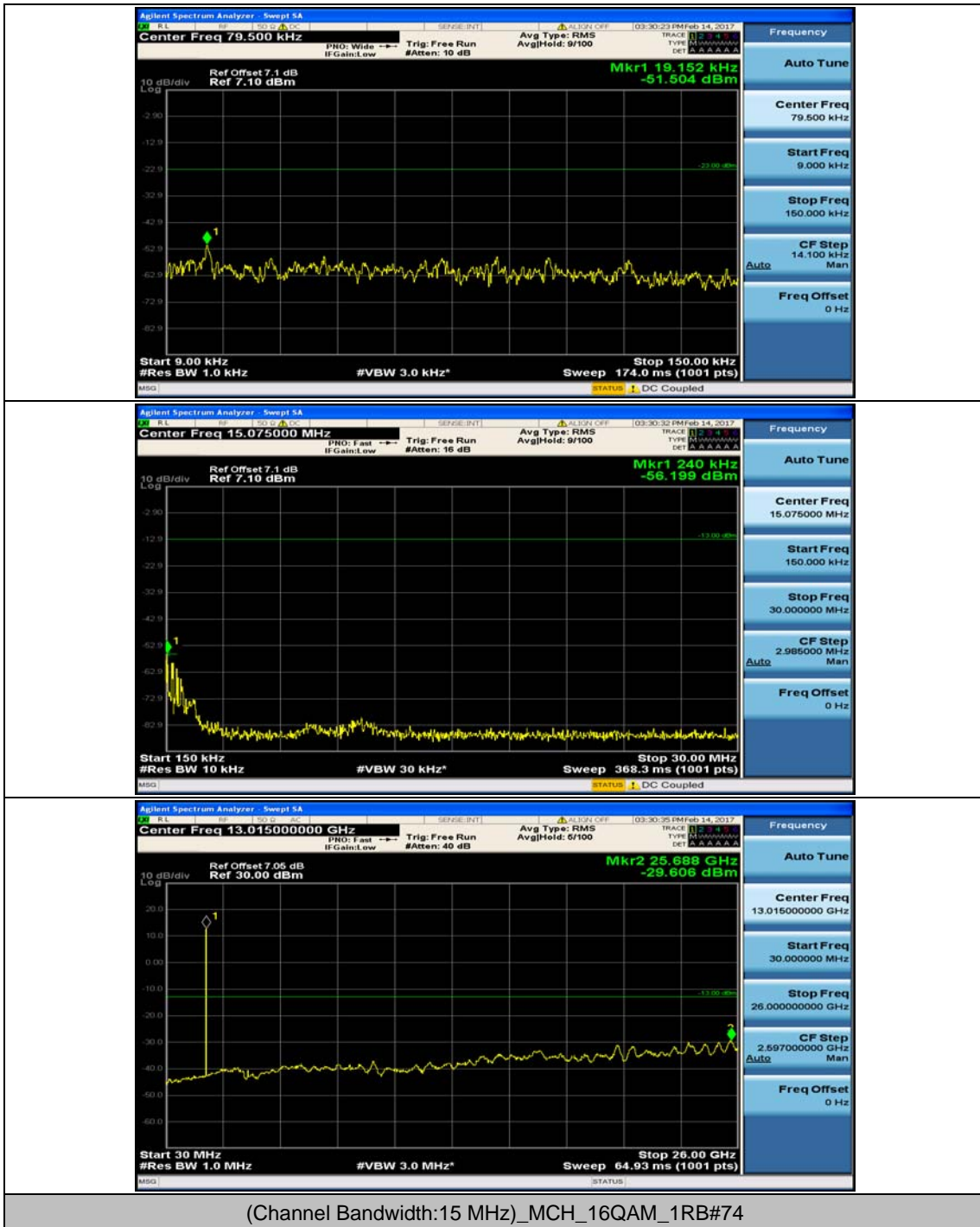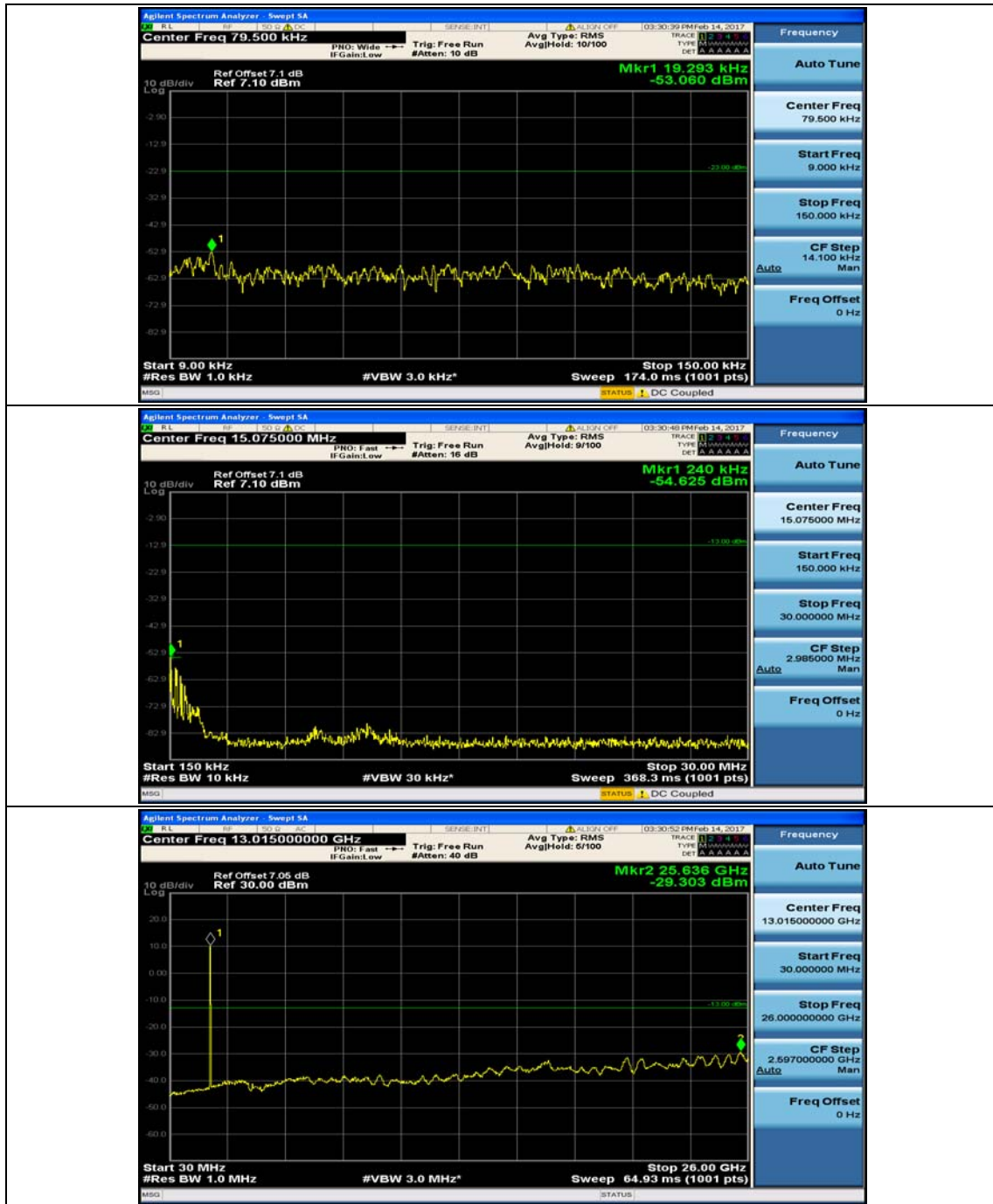| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0 |
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| (Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#49 |
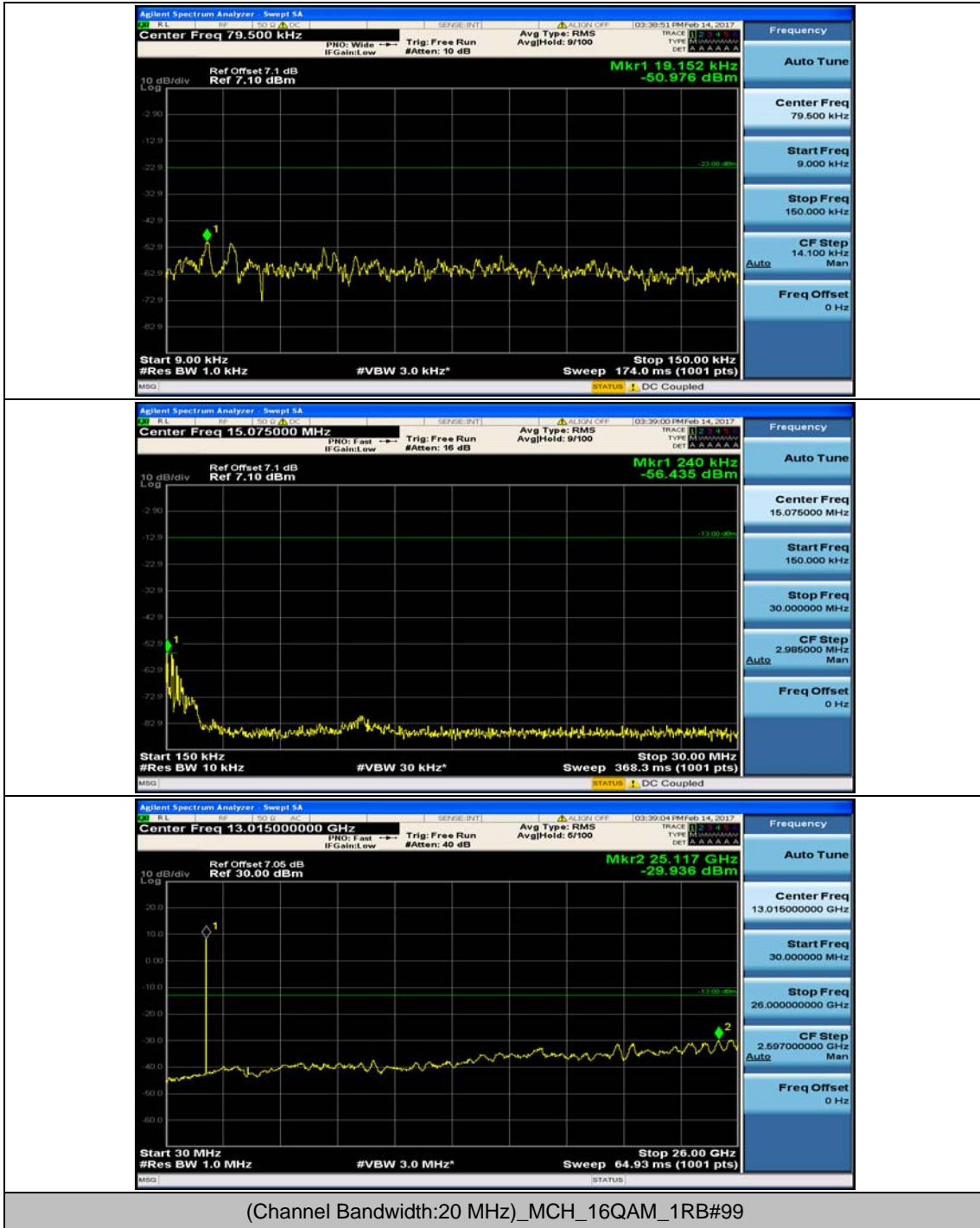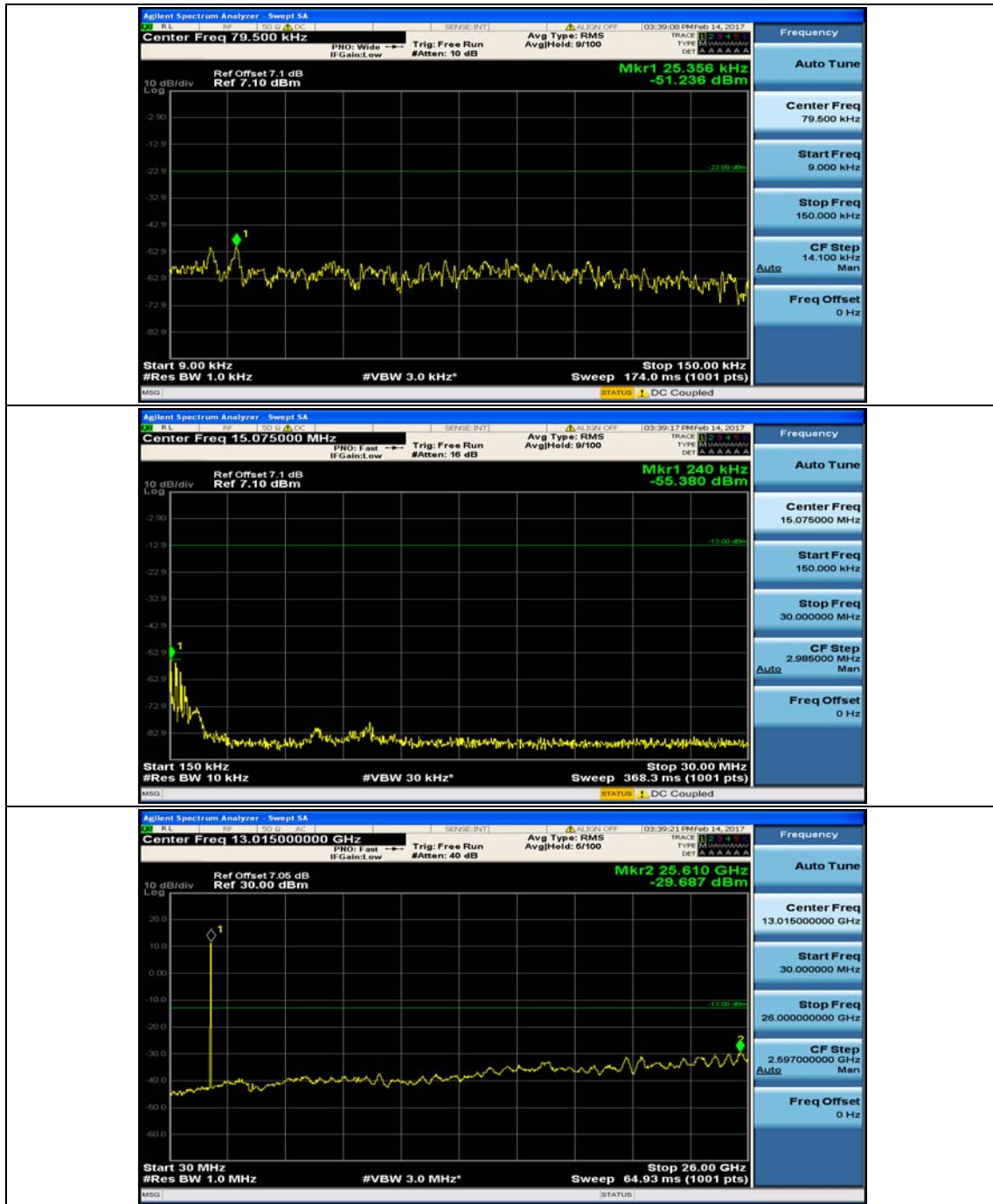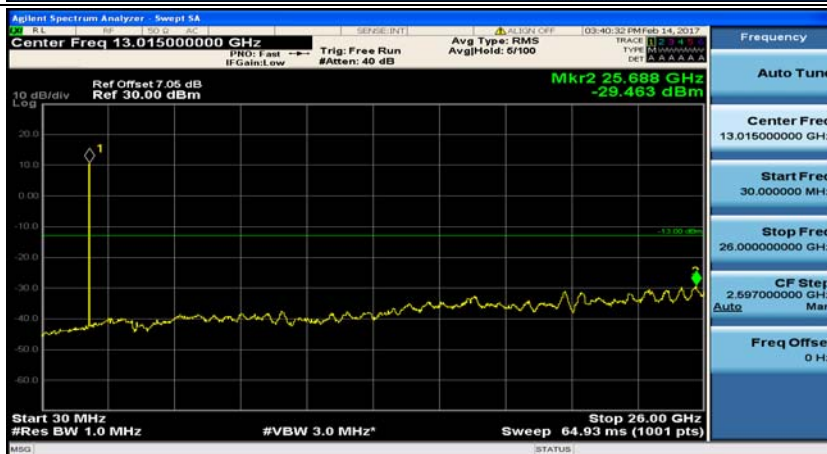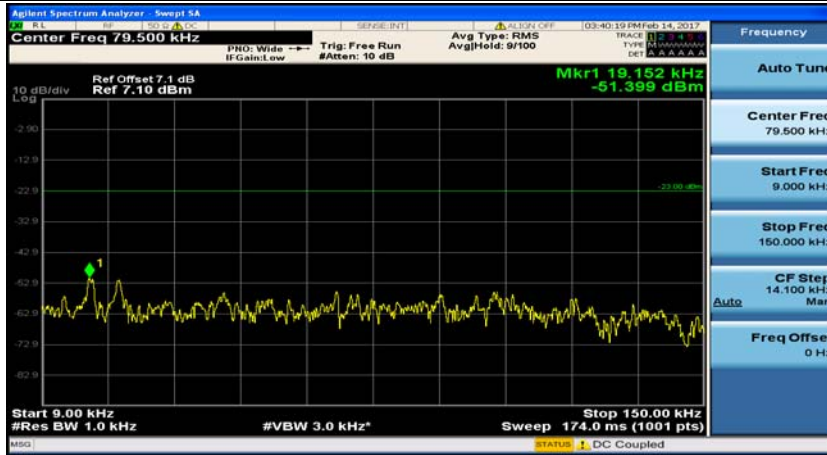
(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#99
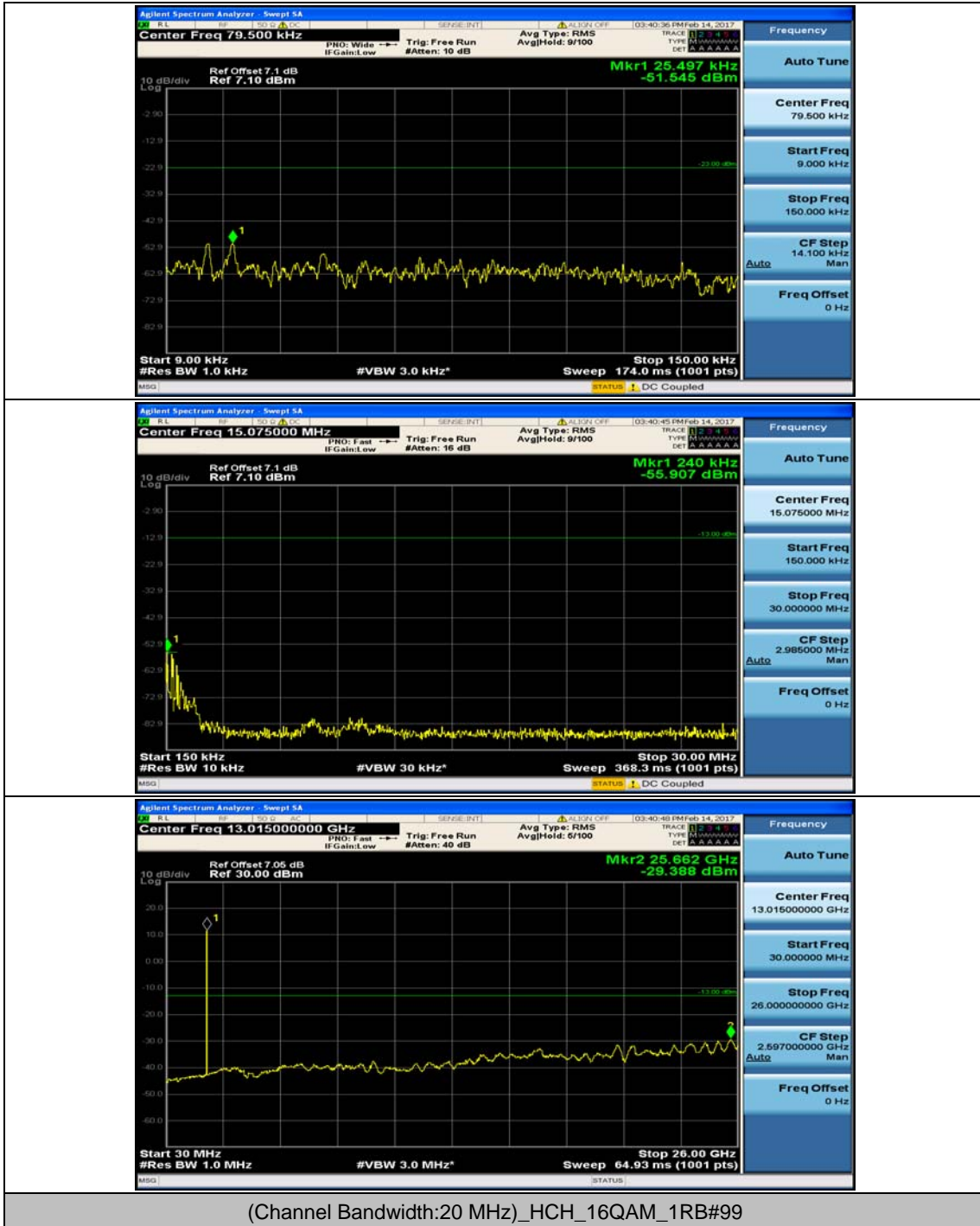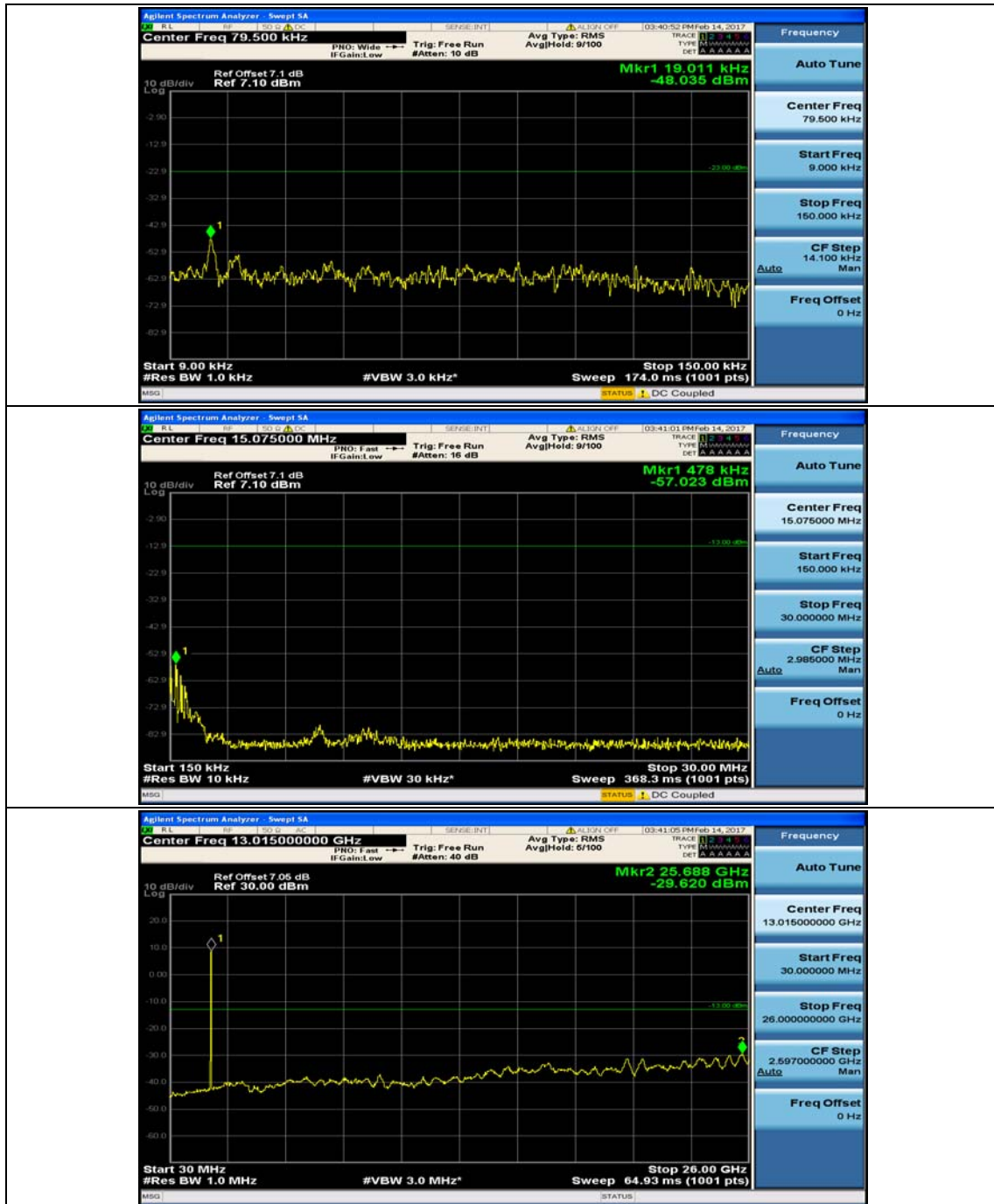
Appendix F: Frequency Stability

Test Result

Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.77	0.002577	± 2.5	PASS
		VN	TN	-0.77	-0.000416	± 2.5	PASS
		VH	TN	1.5	0.000811	± 2.5	PASS
	MCH	VL	TN	2.69	0.001431	± 2.5	PASS
		VN	TN	0.81	0.000431	± 2.5	PASS
		VH	TN	-0.72	-0.000383	± 2.5	PASS
	HCH	VL	TN	2.51	0.001315	± 2.5	PASS
		VN	TN	2.81	0.001472	± 2.5	PASS
		VH	TN	2.36	0.001236	± 2.5	PASS
16QAM	LCH	VL	TN	1.84	0.000994	± 2.5	PASS
		VN	TN	4.38	0.002367	± 2.5	PASS
		VH	TN	2.64	0.001426	± 2.5	PASS
	MCH	VL	TN	3.07	0.001633	± 2.5	PASS
		VN	TN	4.54	0.002415	± 2.5	PASS
		VH	TN	1.01	0.000537	± 2.5	PASS
	HCH	VL	TN	4.33	0.002268	± 2.5	PASS
		VN	TN	-0.08	-0.000042	± 2.5	PASS
		VH	TN	-1.05	-0.000550	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.85	-0.000459	± 2.5	PASS
		VN	-20	0.08	0.000043	± 2.5	PASS
		VN	-10	3.7	0.001999	± 2.5	PASS
		VN	0	4.08	0.002205	± 2.5	PASS
		VN	10	4.78	0.002583	± 2.5	PASS
		VN	20	-0.89	-0.000481	± 2.5	PASS
		VN	30	2.53	0.001367	± 2.5	PASS
		VN	40	4.48	0.002421	± 2.5	PASS
		VN	50	1.87	0.001010	± 2.5	PASS
	MCH	VN	-30	-1.92	-0.001021	± 2.5	PASS
		VN	-20	0.39	0.000207	± 2.5	PASS

		VN	-10	-1.14	-0.000606	± 2.5	PASS
		VN	0	3.19	0.001697	± 2.5	PASS
		VN	10	-1.32	-0.000702	± 2.5	PASS
		VN	20	2.61	0.001388	± 2.5	PASS
		VN	30	-1.48	-0.000787	± 2.5	PASS
		VN	40	3.28	0.001745	± 2.5	PASS
		VN	50	0.6	0.000319	± 2.5	PASS
	HCH	VN	-30	0.23	0.000120	± 2.5	PASS
		VN	-20	3.18	0.001666	± 2.5	PASS
		VN	-10	1.73	0.000906	± 2.5	PASS
		VN	0	1.87	0.000979	± 2.5	PASS
		VN	10	1.32	0.000691	± 2.5	PASS
		VN	20	2.16	0.001131	± 2.5	PASS
		VN	30	-0.36	-0.000189	± 2.5	PASS
		VN	40	0.42	0.000220	± 2.5	PASS
		VN	50	4.91	0.002572	± 2.5	PASS
16QAM	LCH	VN	-30	-1.61	-0.000870	± 2.5	PASS
		VN	-20	0.55	0.000297	± 2.5	PASS
		VN	-10	-0.59	-0.000319	± 2.5	PASS
		VN	0	0.04	0.000022	± 2.5	PASS
		VN	10	3.14	0.001697	± 2.5	PASS
		VN	20	-1.24	-0.000670	± 2.5	PASS
		VN	30	-0.85	-0.000459	± 2.5	PASS
		VN	40	0.99	0.000535	± 2.5	PASS
		VN	50	3.02	0.001632	± 2.5	PASS
	MCH	VN	-30	4.9	0.002606	± 2.5	PASS
		VN	-20	2.49	0.001324	± 2.5	PASS
		VN	-10	-0.53	-0.000282	± 2.5	PASS
		VN	0	4.67	0.002484	± 2.5	PASS
		VN	10	-0.68	-0.000362	± 2.5	PASS
		VN	20	2.85	0.001516	± 2.5	PASS
		VN	30	-0.88	-0.000468	± 2.5	PASS
		VN	40	1.88	0.001000	± 2.5	PASS
		VN	50	3.82	0.002032	± 2.5	PASS
	HCH	VN	-30	-0.04	-0.000021	± 2.5	PASS
		VN	-20	2.15	0.001126	± 2.5	PASS
		VN	-10	-1.96	-0.001027	± 2.5	PASS
		VN	0	2.49	0.001304	± 2.5	PASS
		VN	10	1.82	0.000953	± 2.5	PASS
		VN	20	4.86	0.002545	± 2.5	PASS
		VN	30	2.98	0.001561	± 2.5	PASS

		VN	40	1.98	0.001037	± 2.5	PASS
		VN	50	3.61	0.001891	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3 MHz+							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.09	0.002209	± 2.5	PASS
		VN	TN	3.28	0.001772	± 2.5	PASS
		VH	TN	0.68	0.000367	± 2.5	PASS
	MCH	VL	TN	3.12	0.001660	± 2.5	PASS
		VN	TN	4.42	0.002351	± 2.5	PASS
		VH	TN	3.97	0.002112	± 2.5	PASS
	HCH	VL	TN	-0.13	-0.000068	± 2.5	PASS
		VN	TN	-0.2	-0.000105	± 2.5	PASS
		VH	TN	3.73	0.001954	± 2.5	PASS
16QAM	LCH	VL	TN	-1.11	-0.000600	± 2.5	PASS
		VN	TN	1.12	0.000605	± 2.5	PASS
		VH	TN	1.06	0.000573	± 2.5	PASS
	MCH	VL	TN	-1.04	-0.000553	± 2.5	PASS
		VN	TN	0.09	0.000048	± 2.5	PASS
		VH	TN	-1.13	-0.000601	± 2.5	PASS
	HCH	VL	TN	3.83	0.002007	± 2.5	PASS
		VN	TN	4.05	0.002122	± 2.5	PASS
		VH	TN	1.56	0.000817	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.1	0.000594	± 2.5	PASS
		VN	-20	3.2	0.001729	± 2.5	PASS
		VN	-10	-1.49	-0.000805	± 2.5	PASS
		VN	0	3.78	0.002042	± 2.5	PASS
		VN	10	-1.21	-0.000654	± 2.5	PASS
		VN	20	0.29	0.000157	± 2.5	PASS
		VN	30	2.83	0.001529	± 2.5	PASS
		VN	40	3.91	0.002113	± 2.5	PASS
		VN	50	1.53	0.000827	± 2.5	PASS
	MCH	VN	-30	-1.73	-0.000920	± 2.5	PASS
		VN	-20	2.65	0.001410	± 2.5	PASS
		VN	-10	-1.05	-0.000559	± 2.5	PASS

		VN	0	-0.68	-0.000362	± 2.5	PASS
		VN	10	4.14	0.002202	± 2.5	PASS
		VN	20	1.07	0.000569	± 2.5	PASS
		VN	30	-1.79	-0.000952	± 2.5	PASS
		VN	40	-0.89	-0.000473	± 2.5	PASS
		VN	50	-1.54	-0.000819	± 2.5	PASS
	HCH	VN	-30	0.08	0.000042	± 2.5	PASS
		VN	-20	1.78	0.000932	± 2.5	PASS
		VN	-10	0.33	0.000173	± 2.5	PASS
		VN	0	-1.87	-0.000979	± 2.5	PASS
		VN	10	-0.67	-0.000351	± 2.5	PASS
		VN	20	4.29	0.002247	± 2.5	PASS
		VN	30	3.89	0.002037	± 2.5	PASS
		VN	40	1.56	0.000817	± 2.5	PASS
		VN	50	-1.21	-0.000634	± 2.5	PASS
16QAM	LCH	VN	-30	0.86	0.000465	± 2.5	PASS
		VN	-20	2.18	0.001178	± 2.5	PASS
		VN	-10	-1.38	-0.000746	± 2.5	PASS
		VN	0	3.59	0.001940	± 2.5	PASS
		VN	10	1.75	0.000946	± 2.5	PASS
		VN	20	-1.4	-0.000756	± 2.5	PASS
		VN	30	4.42	0.002388	± 2.5	PASS
		VN	40	1.28	0.000692	± 2.5	PASS
		VN	50	-0.93	-0.000503	± 2.5	PASS
	MCH	VN	-30	3.9	0.002074	± 2.5	PASS
		VN	-20	4.9	0.002606	± 2.5	PASS
		VN	-10	4.2	0.002234	± 2.5	PASS
		VN	0	3.13	0.001665	± 2.5	PASS
		VN	10	4.68	0.002489	± 2.5	PASS
		VN	20	1.15	0.000612	± 2.5	PASS
		VN	30	-0.62	-0.000330	± 2.5	PASS
		VN	40	-0.56	-0.000298	± 2.5	PASS
		VN	50	2.95	0.001569	± 2.5	PASS
	HCH	VN	-30	-1.89	-0.000990	± 2.5	PASS
		VN	-20	4.62	0.002420	± 2.5	PASS
		VN	-10	-1.05	-0.000550	± 2.5	PASS
		VN	0	1.9	0.000995	± 2.5	PASS
		VN	10	0.72	0.000377	± 2.5	PASS
		VN	20	4.47	0.002341	± 2.5	PASS
		VN	30	4.91	0.002572	± 2.5	PASS
		VN	40	-0.08	-0.000042	± 2.5	PASS

		VN	50	-1.68	-0.000880	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.46	0.001868	± 2.5	PASS
		VN	TN	2.79	0.001507	± 2.5	PASS
		VH	TN	2.69	0.001453	± 2.5	PASS
	MCH	VL	TN	-0.36	-0.000191	± 2.5	PASS
		VN	TN	3.58	0.001904	± 2.5	PASS
		VH	TN	2.48	0.001319	± 2.5	PASS
	HCH	VL	TN	-1.54	-0.000807	± 2.5	PASS
		VN	TN	1.88	0.000985	± 2.5	PASS
		VH	TN	-1.9	-0.000996	± 2.5	PASS
16QAM	LCH	VL	TN	-1.22	-0.000659	± 2.5	PASS
		VN	TN	4.47	0.002414	± 2.5	PASS
		VH	TN	1.33	0.000718	± 2.5	PASS
	MCH	VL	TN	0.59	0.000314	± 2.5	PASS
		VN	TN	-0.12	-0.000064	± 2.5	PASS
		VH	TN	3.44	0.001830	± 2.5	PASS
	HCH	VL	TN	2.42	0.001268	± 2.5	PASS
		VN	TN	2.59	0.001357	± 2.5	PASS
		VH	TN	0.77	0.000403	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.68	-0.000907	± 2.5	PASS
		VN	-20	-1.44	-0.000778	± 2.5	PASS
		VN	-10	-1.67	-0.000902	± 2.5	PASS
		VN	0	1.85	0.001000	± 2.5	PASS
		VN	10	3.54	0.001913	± 2.5	PASS
		VN	20	-1.81	-0.000978	± 2.5	PASS
		VN	30	-1.49	-0.000805	± 2.5	PASS
		VN	40	-1.32	-0.000713	± 2.5	PASS
		VN	50	1.87	0.001010	± 2.5	PASS
	MCH	VN	-30	-1.27	-0.000676	± 2.5	PASS
		VN	-20	0.88	0.000468	± 2.5	PASS
		VN	-10	-1.56	-0.000830	± 2.5	PASS
		VN	0	-0.04	-0.000021	± 2.5	PASS

		VN	10	-1.87	-0.000995	± 2.5	PASS
		VN	20	0.38	0.000202	± 2.5	PASS
		VN	30	-0.51	-0.000271	± 2.5	PASS
		VN	40	-1.28	-0.000681	± 2.5	PASS
		VN	50	4.52	0.002404	± 2.5	PASS
	HCH	VN	-30	3.85	0.002016	± 2.5	PASS
		VN	-20	3.95	0.002069	± 2.5	PASS
		VN	-10	3.72	0.001948	± 2.5	PASS
		VN	0	0	0.000000	± 2.5	PASS
		VN	10	3.35	0.001755	± 2.5	PASS
		VN	20	4.89	0.002561	± 2.5	PASS
		VN	30	-1.06	-0.000555	± 2.5	PASS
		VN	40	4.93	0.002582	± 2.5	PASS
		VN	50	1.11	0.000581	± 2.5	PASS
16QAM	LCH	VN	-30	3.58	0.001934	± 2.5	PASS
		VN	-20	2.49	0.001345	± 2.5	PASS
		VN	-10	0.69	0.000373	± 2.5	PASS
		VN	0	2.8	0.001513	± 2.5	PASS
		VN	10	2.08	0.001124	± 2.5	PASS
		VN	20	-1.19	-0.000643	± 2.5	PASS
		VN	30	1.14	0.000616	± 2.5	PASS
		VN	40	1.31	0.000708	± 2.5	PASS
		VN	50	1	0.000540	± 2.5	PASS
	MCH	VN	-30	-0.99	-0.000527	± 2.5	PASS
		VN	-20	0.48	0.000255	± 2.5	PASS
		VN	-10	3	0.001596	± 2.5	PASS
		VN	0	-0.76	-0.000404	± 2.5	PASS
		VN	10	2.98	0.001585	± 2.5	PASS
		VN	20	-0.97	-0.000516	± 2.5	PASS
		VN	30	0.6	0.000319	± 2.5	PASS
		VN	40	-1.23	-0.000654	± 2.5	PASS
		VN	50	4.48	0.002383	± 2.5	PASS
	HCH	VN	-30	-1.5	-0.000786	± 2.5	PASS
		VN	-20	-1.17	-0.000613	± 2.5	PASS
		VN	-10	2.55	0.001336	± 2.5	PASS
		VN	0	0.76	0.000398	± 2.5	PASS
		VN	10	-1.74	-0.000911	± 2.5	PASS
		VN	20	3.77	0.001975	± 2.5	PASS
		VN	30	1.01	0.000529	± 2.5	PASS
		VN	40	2.15	0.001126	± 2.5	PASS
		VN	50	2.37	0.001241	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.9	0.002102	± 2.5	PASS
		VN	TN	-1.03	-0.000555	± 2.5	PASS
		VH	TN	-0.34	-0.000183	± 2.5	PASS
	MCH	VL	TN	-1.99	-0.001059	± 2.5	PASS
		VN	TN	-1.67	-0.000888	± 2.5	PASS
		VH	TN	4.41	0.002346	± 2.5	PASS
	HCH	VL	TN	-0.05	-0.000026	± 2.5	PASS
		VN	TN	4.49	0.002357	± 2.5	PASS
		VH	TN	1.66	0.000871	± 2.5	PASS
16QAM	LCH	VL	TN	-0.48	-0.000259	± 2.5	PASS
		VN	TN	3.39	0.001827	± 2.5	PASS
		VH	TN	4.81	0.002593	± 2.5	PASS
	MCH	VL	TN	3.33	0.001771	± 2.5	PASS
		VN	TN	3.9	0.002074	± 2.5	PASS
		VH	TN	-1.51	-0.000803	± 2.5	PASS
	HCH	VL	TN	0.83	0.000436	± 2.5	PASS
		VN	TN	1.64	0.000861	± 2.5	PASS
		VH	TN	1.37	0.000719	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	2.8	0.001509	± 2.5	PASS
		VN	-20	3.55	0.001914	± 2.5	PASS
		VN	-10	-0.42	-0.000226	± 2.5	PASS
		VN	0	0.95	0.000512	± 2.5	PASS
		VN	10	-0.1	-0.000054	± 2.5	PASS
		VN	20	4.84	0.002609	± 2.5	PASS
		VN	30	4.46	0.002404	± 2.5	PASS
		VN	40	2.27	0.001224	± 2.5	PASS
		VN	50	1.82	0.000981	± 2.5	PASS
	MCH	VN	-30	4.56	0.002426	± 2.5	PASS
		VN	-20	2.74	0.001457	± 2.5	PASS
		VN	-10	3.05	0.001622	± 2.5	PASS
		VN	0	3.01	0.001601	± 2.5	PASS
		VN	10	0.18	0.000096	± 2.5	PASS
		VN	20	3.51	0.001867	± 2.5	PASS

		VN	30	2.34	0.001245	± 2.5	PASS
		VN	40	0.28	0.000149	± 2.5	PASS
		VN	50	-0.37	-0.000197	± 2.5	PASS
	HCH	VN	-30	-1.08	-0.000567	± 2.5	PASS
		VN	-20	1.45	0.000761	± 2.5	PASS
		VN	-10	1.67	0.000877	± 2.5	PASS
		VN	0	2.06	0.001081	± 2.5	PASS
		VN	10	1.94	0.001018	± 2.5	PASS
		VN	20	-0.24	-0.000126	± 2.5	PASS
		VN	30	3.1	0.001627	± 2.5	PASS
		VN	40	-1.94	-0.001018	± 2.5	PASS
		VN	50	1.08	0.000567	± 2.5	PASS
QPSK	LCH	VN	-30	1.11	0.000598	± 2.5	PASS
		VN	-20	1.68	0.000906	± 2.5	PASS
		VN	-10	4.73	0.002550	± 2.5	PASS
		VN	0	0.06	0.000032	± 2.5	PASS
		VN	10	1.36	0.000733	± 2.5	PASS
		VN	20	-0.62	-0.000334	± 2.5	PASS
		VN	30	3.33	0.001795	± 2.5	PASS
		VN	40	1.33	0.000717	± 2.5	PASS
		VN	50	2.51	0.001353	± 2.5	PASS
	MCH	VN	-30	1.29	0.000686	± 2.5	PASS
		VN	-20	-1.65	-0.000878	± 2.5	PASS
		VN	-10	-0.17	-0.000090	± 2.5	PASS
		VN	0	0.46	0.000245	± 2.5	PASS
		VN	10	1.8	0.000957	± 2.5	PASS
		VN	20	1.46	0.000777	± 2.5	PASS
		VN	30	-1.23	-0.000654	± 2.5	PASS
		VN	40	3.86	0.002053	± 2.5	PASS
		VN	50	4.62	0.002457	± 2.5	PASS
	HCH	VN	-30	1.96	0.001029	± 2.5	PASS
		VN	-20	-0.08	-0.000042	± 2.5	PASS
		VN	-10	-1.41	-0.000740	± 2.5	PASS
		VN	0	-1.19	-0.000625	± 2.5	PASS
		VN	10	2.06	0.001081	± 2.5	PASS
		VN	20	0.04	0.000021	± 2.5	PASS
		VN	30	-1.32	-0.000693	± 2.5	PASS
		VN	40	4.17	0.002189	± 2.5	PASS
		VN	50	4.81	0.002525	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.91	0.002643	± 2.5	PASS
		VN	TN	3.6	0.001938	± 2.5	PASS
		VH	TN	-0.47	-0.000253	± 2.5	PASS
	MCH	VL	TN	-1.61	-0.000867	± 2.5	PASS
		VN	TN	-0.56	-0.000301	± 2.5	PASS
		VH	TN	-0.11	-0.000059	± 2.5	PASS
	HCH	VL	TN	4.63	0.002493	± 2.5	PASS
		VN	TN	4.11	0.002213	± 2.5	PASS
		VH	TN	0.64	0.000345	± 2.5	PASS
16QAM	LCH	VL	TN	0.71	0.000378	± 2.5	PASS
		VN	TN	-1.16	-0.000617	± 2.5	PASS
		VH	TN	0.82	0.000436	± 2.5	PASS
	MCH	VL	TN	2.8	0.001489	± 2.5	PASS
		VN	TN	2.97	0.001580	± 2.5	PASS
		VH	TN	-0.36	-0.000191	± 2.5	PASS
	HCH	VL	TN	4.39	0.002335	± 2.5	PASS
		VN	TN	2.85	0.001516	± 2.5	PASS
		VH	TN	1.87	0.000995	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.79	0.001992	± 2.5	PASS
		VN	-20	3.13	0.001645	± 2.5	PASS
		VN	-10	-0.13	-0.000068	± 2.5	PASS
		VN	0	1.7	0.000894	± 2.5	PASS
		VN	10	3.27	0.001719	± 2.5	PASS
		VN	20	-1.15	-0.000604	± 2.5	PASS
		VN	30	0.07	0.000037	± 2.5	PASS
		VN	40	-0.8	-0.000431	± 2.5	PASS
		VN	50	0.21	0.000113	± 2.5	PASS
	MCH	VN	-30	1.35	0.000727	± 2.5	PASS
		VN	-20	1.48	0.000797	± 2.5	PASS
		VN	-10	-0.22	-0.000118	± 2.5	PASS
		VN	0	4.22	0.002272	± 2.5	PASS
		VN	10	2.24	0.001206	± 2.5	PASS
		VN	20	-1.31	-0.000705	± 2.5	PASS

		VN	30	3.59	0.001933	± 2.5	PASS
		VN	40	4.43	0.002356	± 2.5	PASS
		VN	50	1	0.000532	± 2.5	PASS
	HCH	VN	-30	0.3	0.000160	± 2.5	PASS
		VN	-20	0.22	0.000117	± 2.5	PASS
		VN	-10	1.57	0.000835	± 2.5	PASS
		VN	0	0.79	0.000420	± 2.5	PASS
		VN	10	-0.52	-0.000277	± 2.5	PASS
		VN	20	4.93	0.002622	± 2.5	PASS
		VN	30	3.11	0.001654	± 2.5	PASS
		VN	40	-1.81	-0.000951	± 2.5	PASS
		VN	50	0.24	0.000126	± 2.5	PASS
16QAM	LCH	VN	-30	0.42	0.000221	± 2.5	PASS
		VN	-20	3.38	0.001777	± 2.5	PASS
		VN	-10	2.79	0.001466	± 2.5	PASS
		VN	0	3.69	0.001940	± 2.5	PASS
		VN	10	0.18	0.000095	± 2.5	PASS
		VN	20	-1.5	-0.000788	± 2.5	PASS
		VN	30	0.14	0.000074	± 2.5	PASS
		VN	40	4.91	0.002643	± 2.5	PASS
		VN	50	3.6	0.001938	± 2.5	PASS
	MCH	VN	-30	-0.47	-0.000253	± 2.5	PASS
		VN	-20	-1.61	-0.000867	± 2.5	PASS
		VN	-10	-0.56	-0.000301	± 2.5	PASS
		VN	0	-0.11	-0.000059	± 2.5	PASS
		VN	10	4.63	0.002493	± 2.5	PASS
		VN	20	4.11	0.002213	± 2.5	PASS
		VN	30	0.64	0.000345	± 2.5	PASS
		VN	40	0.71	0.000378	± 2.5	PASS
		VN	50	-1.16	-0.000617	± 2.5	PASS
	HCH	VN	-30	0.82	0.000436	± 2.5	PASS
		VN	-20	2.8	0.001489	± 2.5	PASS
		VN	-10	2.97	0.001580	± 2.5	PASS
		VN	0	-0.36	-0.000191	± 2.5	PASS
		VN	10	4.39	0.002335	± 2.5	PASS
		VN	20	2.85	0.001516	± 2.5	PASS
		VN	30	1.87	0.000995	± 2.5	PASS
		VN	40	1.47	0.000773	± 2.5	PASS
		VN	50	1.33	0.000699	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	1.42	0.000763	± 2.5	PASS
		VN	TN	-0.36	-0.000194	± 2.5	PASS
		VH	TN	2.21	0.001188	± 2.5	PASS
	MCH	VL	TN	0.87	0.000463	± 2.5	PASS
		VN	TN	-1.55	-0.000824	± 2.5	PASS
		VH	TN	3.06	0.001628	± 2.5	PASS
	HCH	VL	TN	-0.09	-0.000047	± 2.5	PASS
		VN	TN	1.03	0.000542	± 2.5	PASS
		VH	TN	-1.72	-0.000905	± 2.5	PASS
16QAM	LCH	VL	TN	1.68	0.000903	± 2.5	PASS
		VN	TN	3.01	0.001618	± 2.5	PASS
		VH	TN	0.4	0.000215	± 2.5	PASS
	MCH	VL	TN	-1.21	-0.000644	± 2.5	PASS
		VN	TN	4.48	0.002383	± 2.5	PASS
		VH	TN	3.22	0.001713	± 2.5	PASS
	HCH	VL	TN	-0.46	-0.000242	± 2.5	PASS
		VN	TN	-1.27	-0.000668	± 2.5	PASS
		VH	TN	2.3	0.001211	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.2	0.002258	± 2.5	PASS
		VN	-20	1.33	0.000715	± 2.5	PASS
		VN	-10	2.14	0.001151	± 2.5	PASS
		VN	0	-0.33	-0.000177	± 2.5	PASS
		VN	10	-0.81	-0.000435	± 2.5	PASS
		VN	20	2.44	0.001312	± 2.5	PASS
		VN	30	3.08	0.001656	± 2.5	PASS
		VN	40	0.79	0.000425	± 2.5	PASS
		VN	50	1.8	0.000968	± 2.5	PASS
	MCH	VN	-30	-1.54	-0.000819	± 2.5	PASS
		VN	-20	0.43	0.000229	± 2.5	PASS
		VN	-10	1.67	0.000888	± 2.5	PASS
		VN	0	3.98	0.002117	± 2.5	PASS
		VN	10	3.25	0.001729	± 2.5	PASS
		VN	20	4.91	0.002612	± 2.5	PASS

		VN	30	4.81	0.002559	± 2.5	PASS
		VN	40	-0.61	-0.000324	± 2.5	PASS
		VN	50	2.76	0.001468	± 2.5	PASS
	HCH	VN	-30	3.19	0.001679	± 2.5	PASS
		VN	-20	3.17	0.001668	± 2.5	PASS
		VN	-10	2.7	0.001421	± 2.5	PASS
		VN	0	0.16	0.000084	± 2.5	PASS
		VN	10	0.13	0.000068	± 2.5	PASS
		VN	20	-0.86	-0.000453	± 2.5	PASS
		VN	30	3.51	0.001847	± 2.5	PASS
		VN	40	0.95	0.000500	± 2.5	PASS
		VN	50	4.18	0.002200	± 2.5	PASS
16QAM	LCH	VN	-30	1.91	0.001027	± 2.5	PASS
		VN	-20	1.68	0.000903	± 2.5	PASS
		VN	-10	1.35	0.000726	± 2.5	PASS
		VN	0	-0.95	-0.000511	± 2.5	PASS
		VN	10	-0.16	-0.000086	± 2.5	PASS
		VN	20	2.3	0.001237	± 2.5	PASS
		VN	30	1.06	0.000570	± 2.5	PASS
		VN	40	4.3	0.002312	± 2.5	PASS
		VN	50	-1.88	-0.001011	± 2.5	PASS
	MCH	VN	-30	1.68	0.000894	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS
		VN	-10	2.99	0.001590	± 2.5	PASS
		VN	0	4.18	0.002223	± 2.5	PASS
		VN	10	4.41	0.002346	± 2.5	PASS
		VN	20	2.41	0.001282	± 2.5	PASS
		VN	30	2.9	0.001543	± 2.5	PASS
		VN	40	4.74	0.002521	± 2.5	PASS
		VN	50	2.05	0.001090	± 2.5	PASS
	HCH	VN	-30	2.59	0.001363	± 2.5	PASS
		VN	-20	2.32	0.001221	± 2.5	PASS
		VN	-10	2.04	0.001074	± 2.5	PASS
		VN	0	3.43	0.001805	± 2.5	PASS
		VN	10	2.8	0.001474	± 2.5	PASS
		VN	20	-1.46	-0.000768	± 2.5	PASS
		VN	30	1.12	0.000589	± 2.5	PASS
		VN	40	-0.7	-0.000368	± 2.5	PASS
		VN	50	3.78	0.001989	± 2.5	PASS