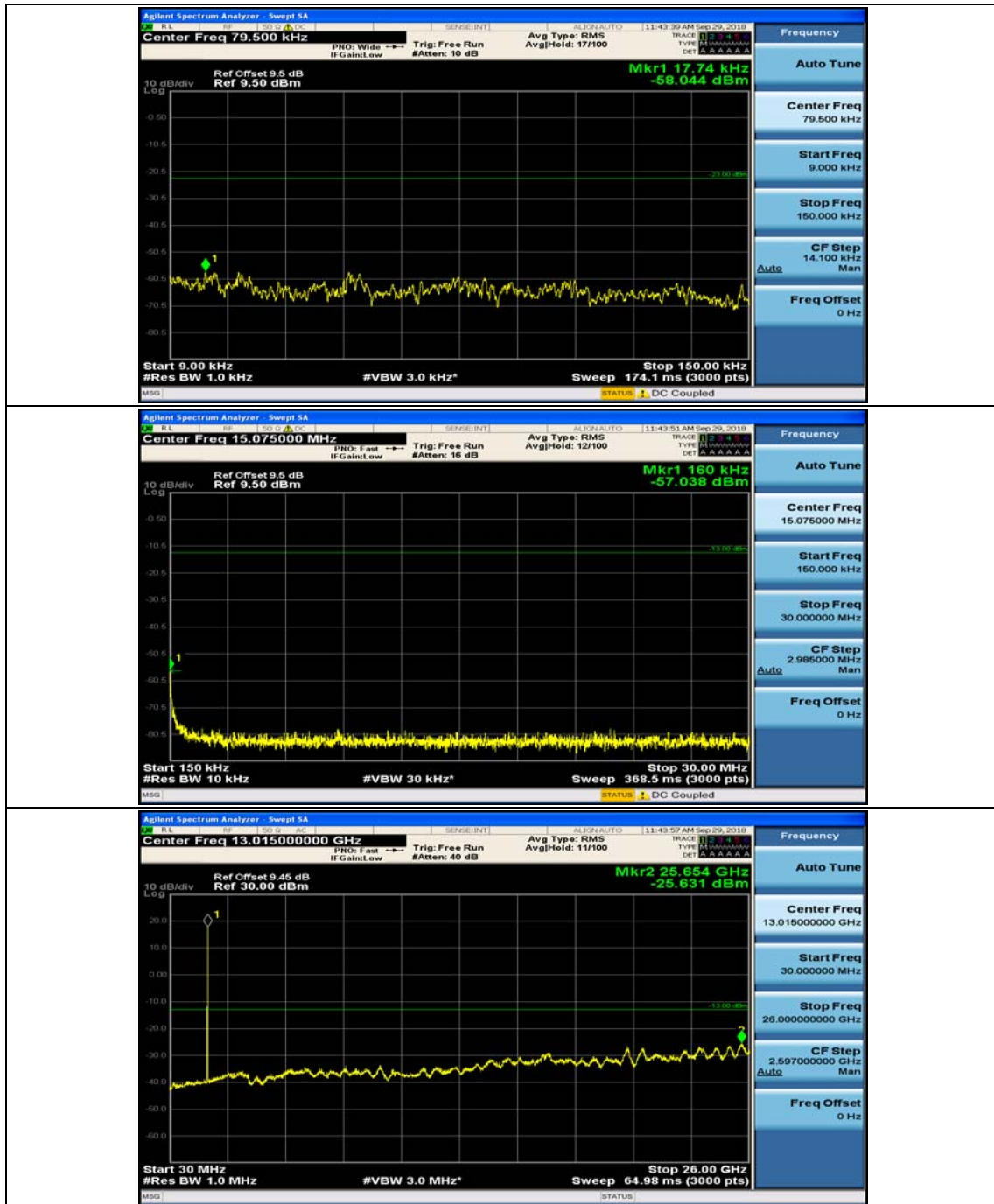
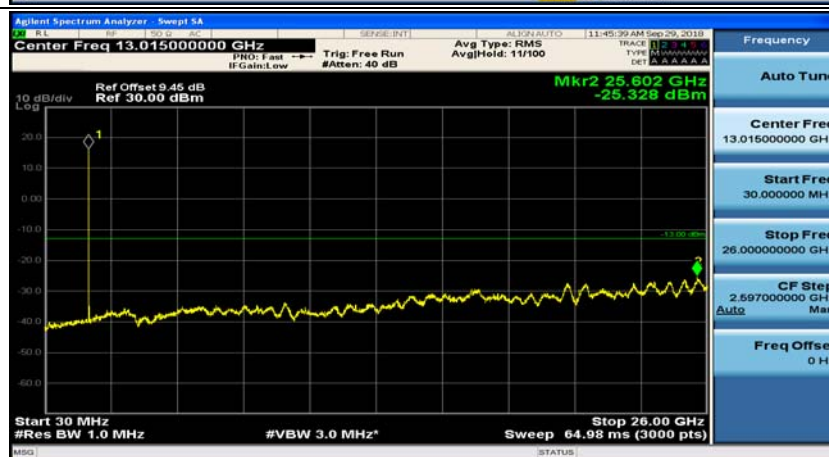
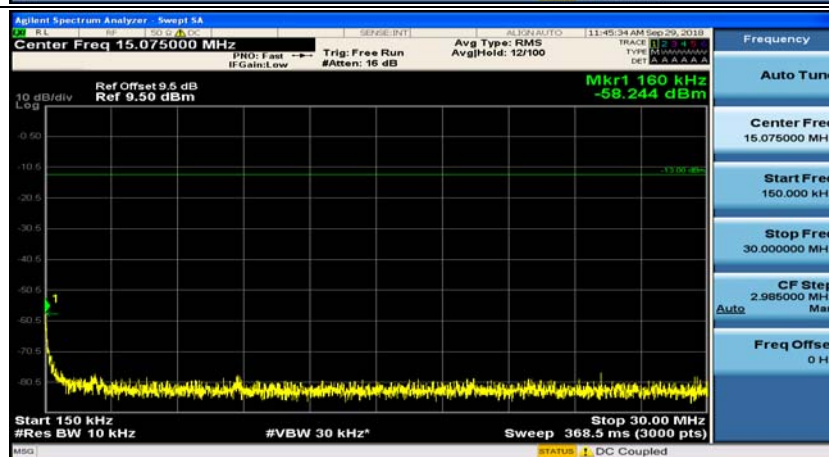
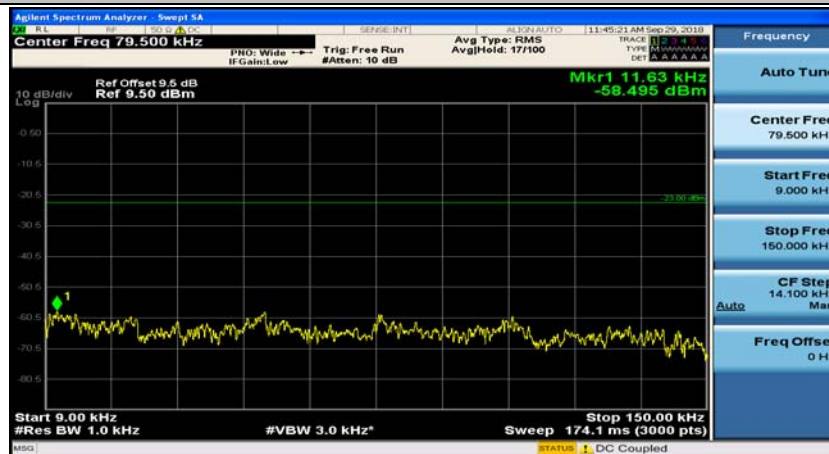
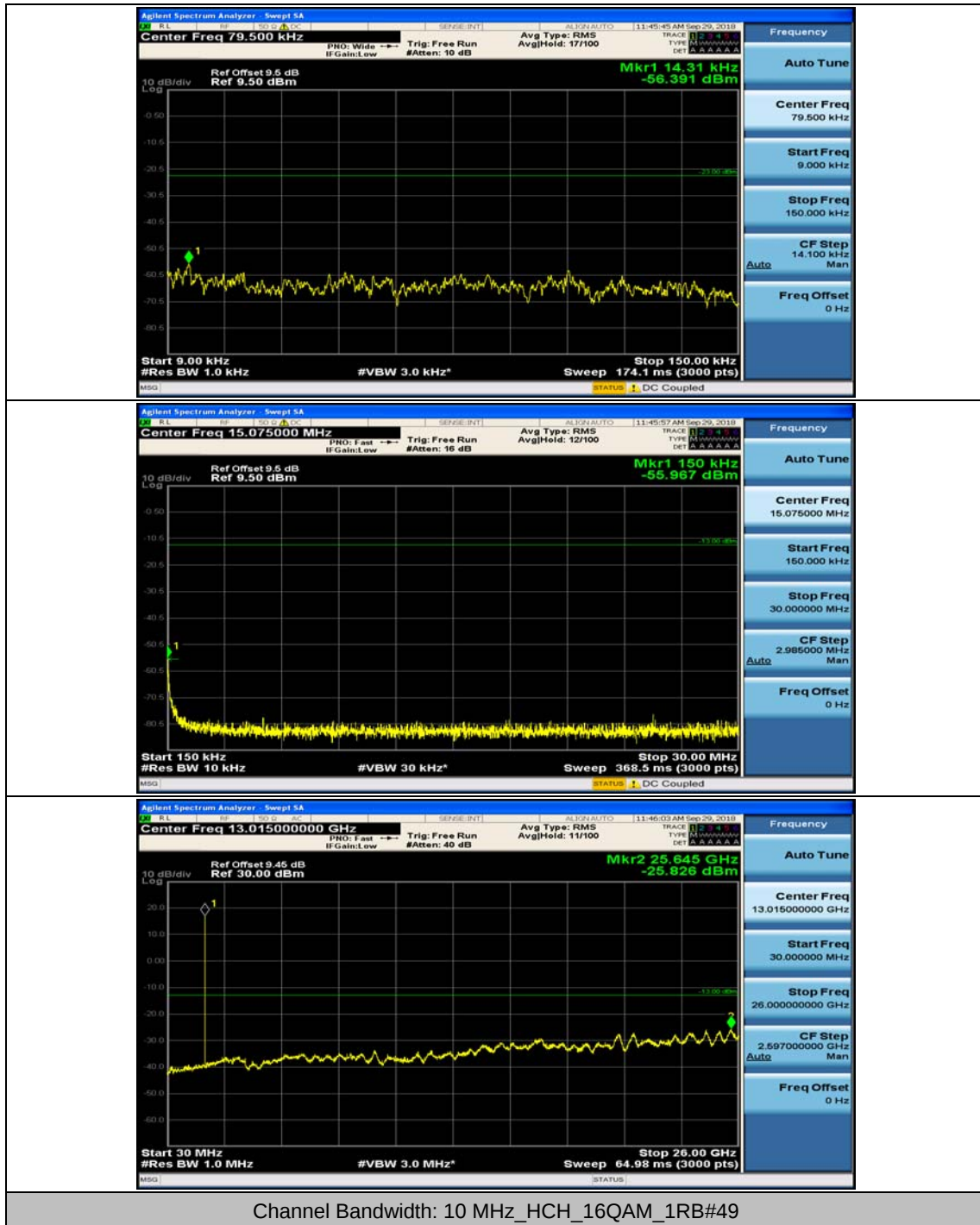


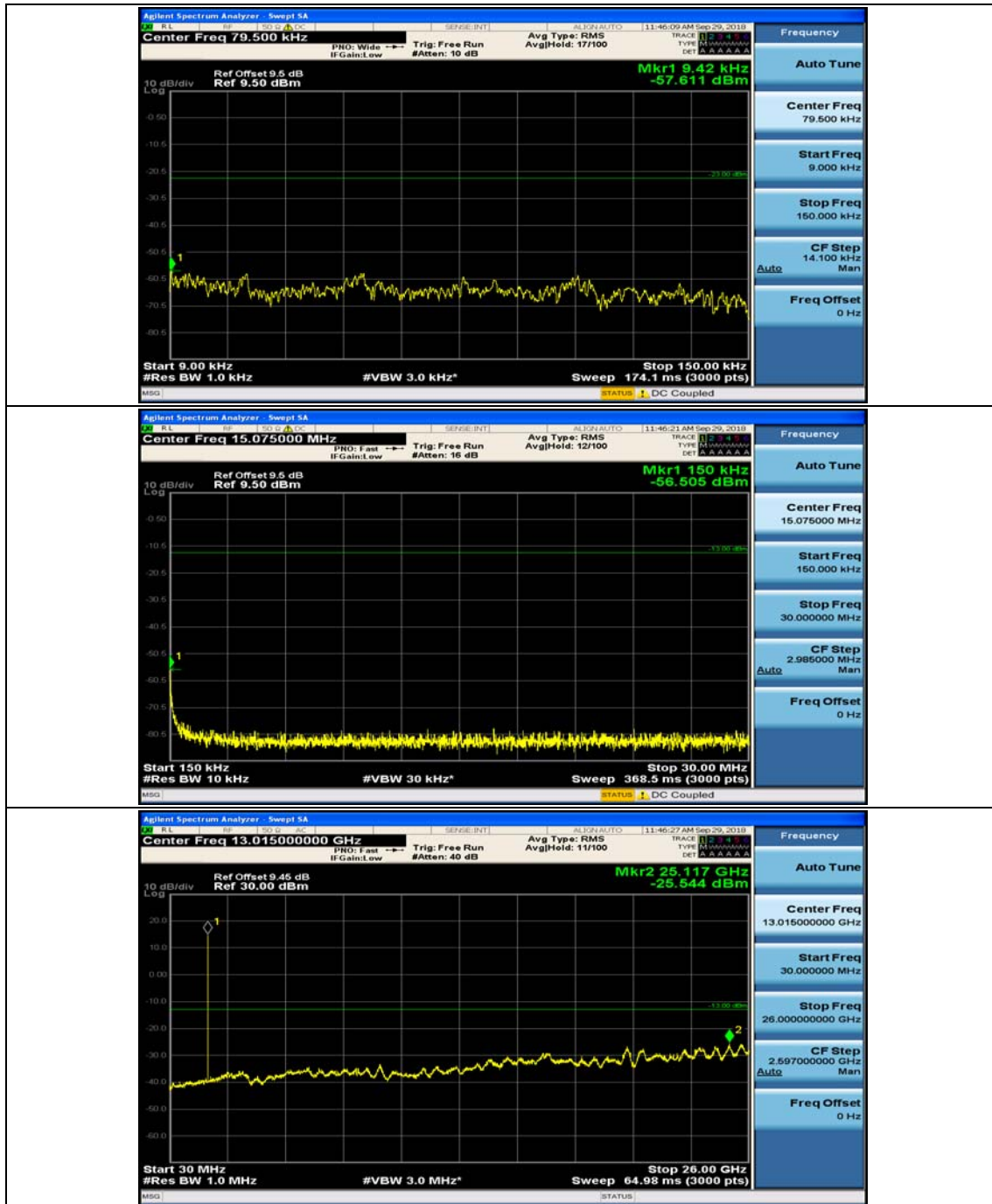


Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#0

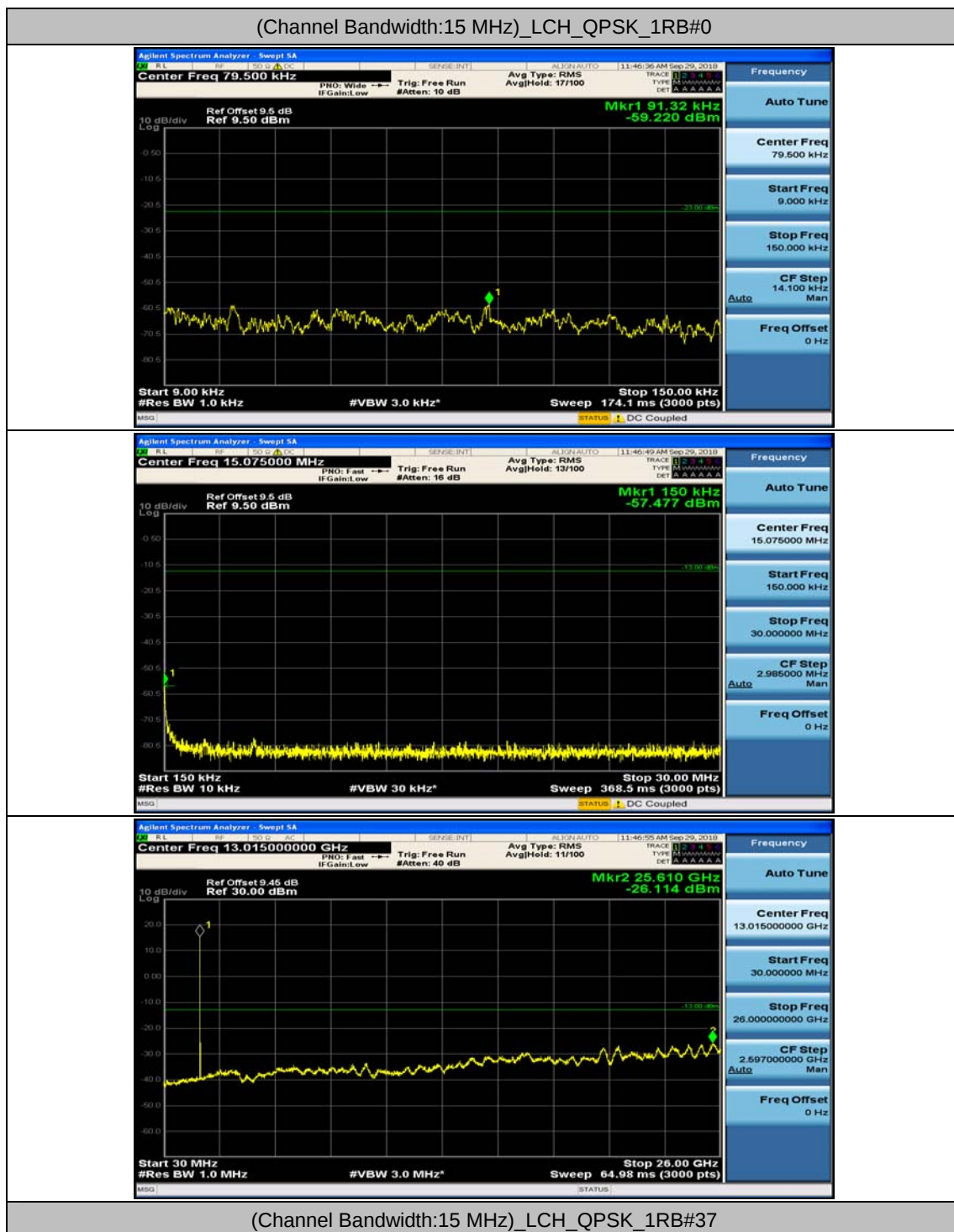


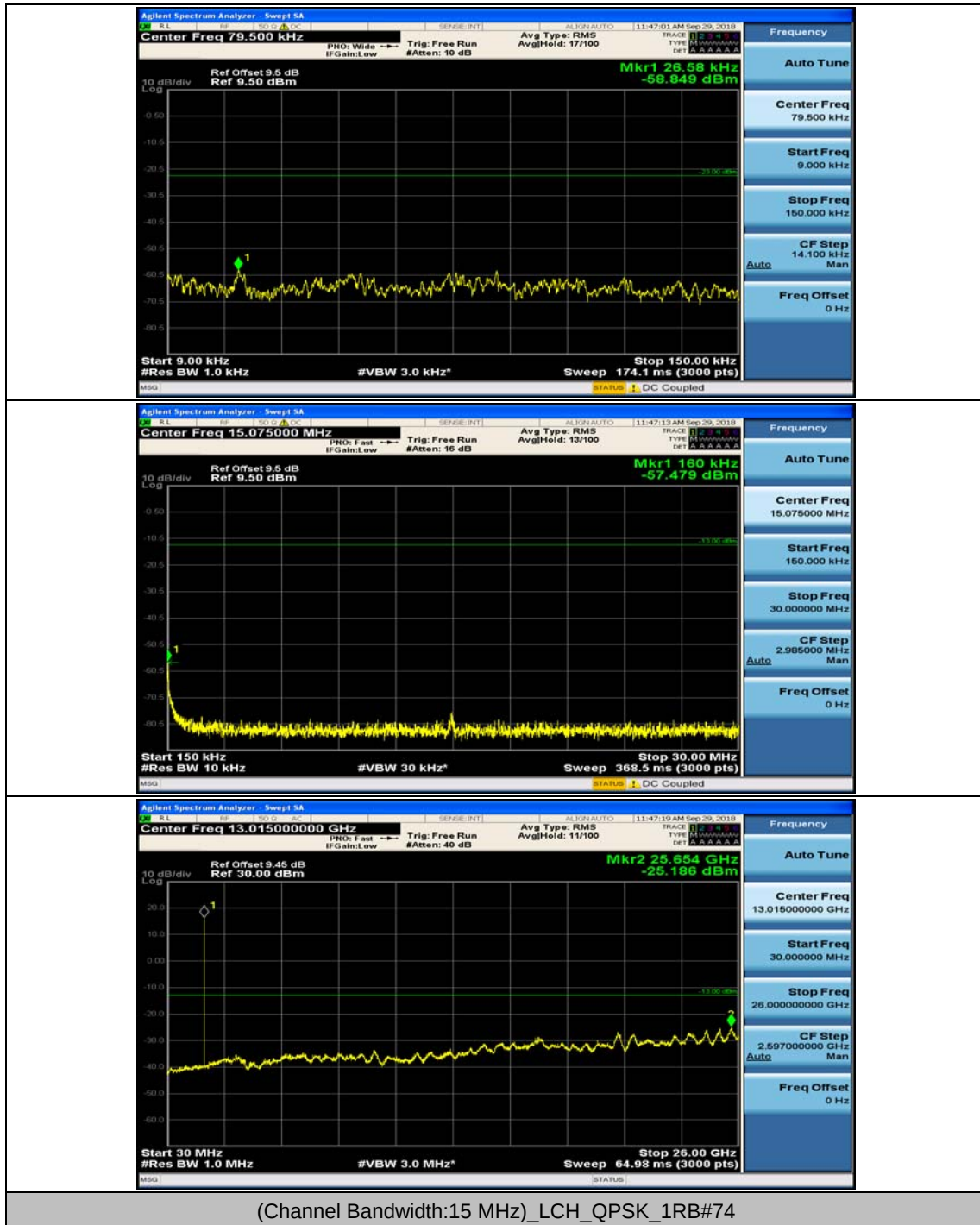
Channel Bandwidth: 10 MHz_HCH_16QAM_1RB#24

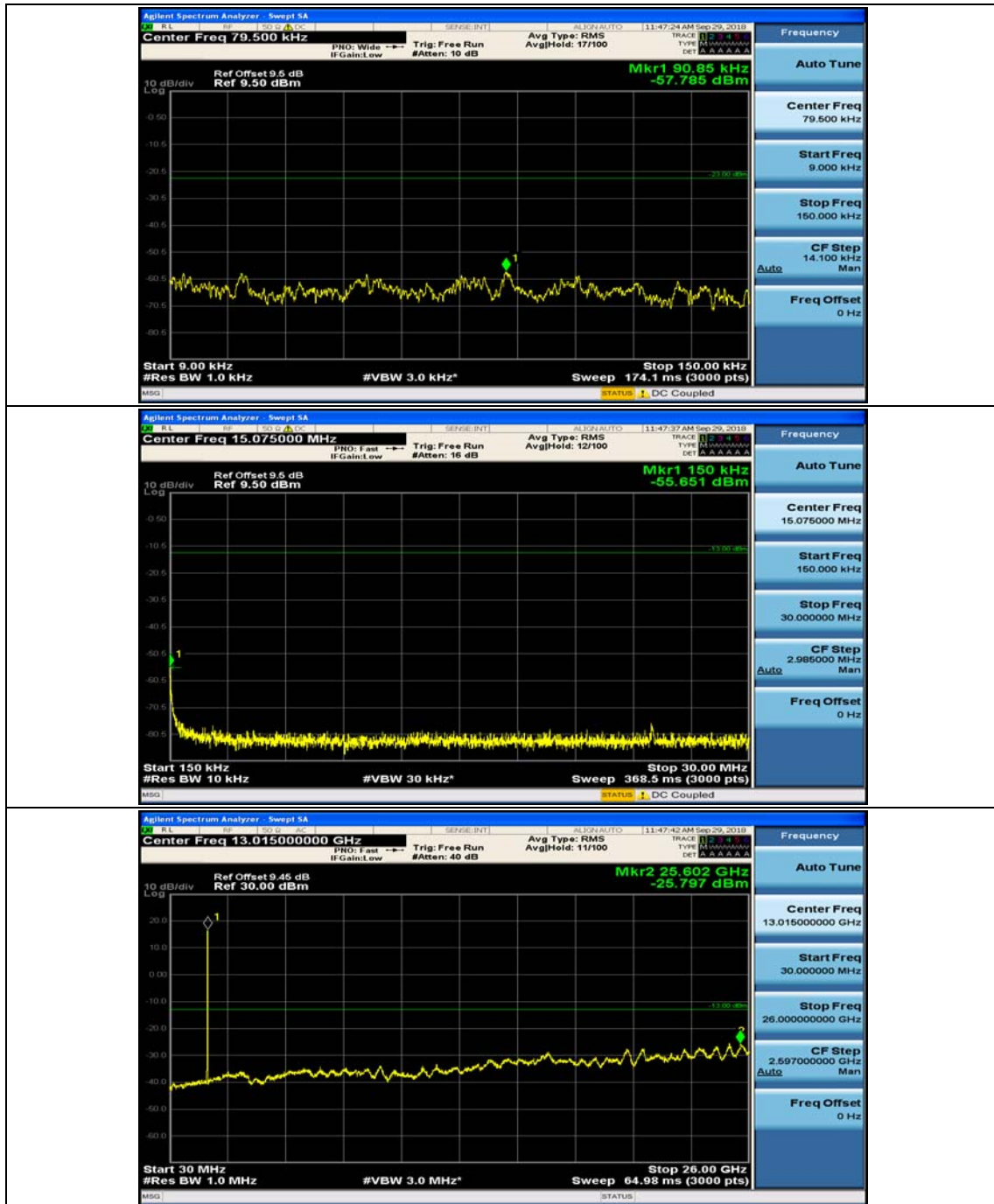




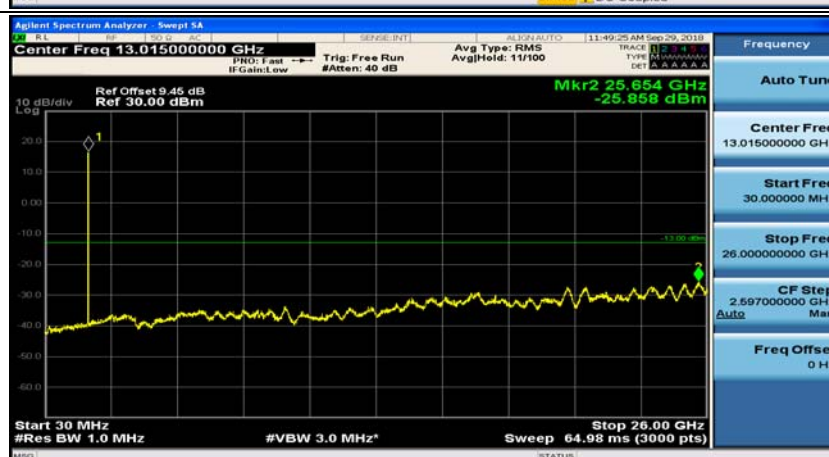
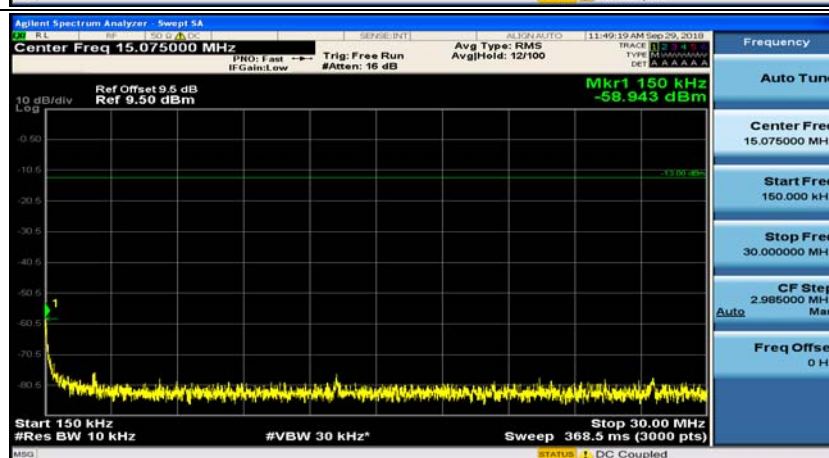
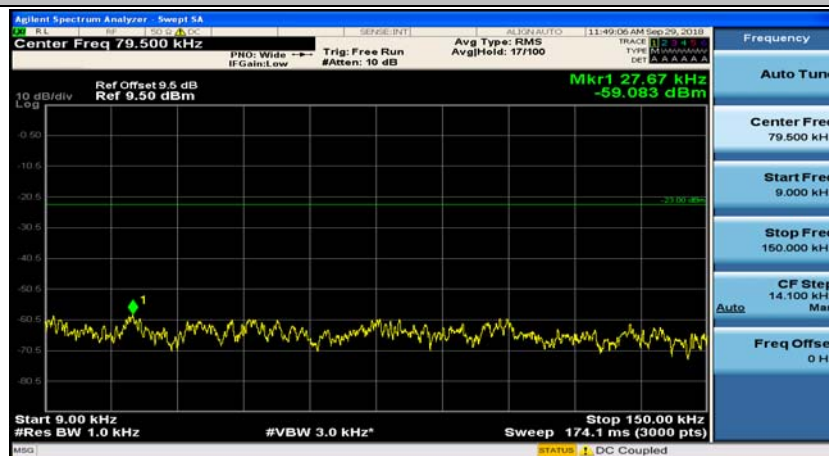
Channel Bandwidth: 15 MHz



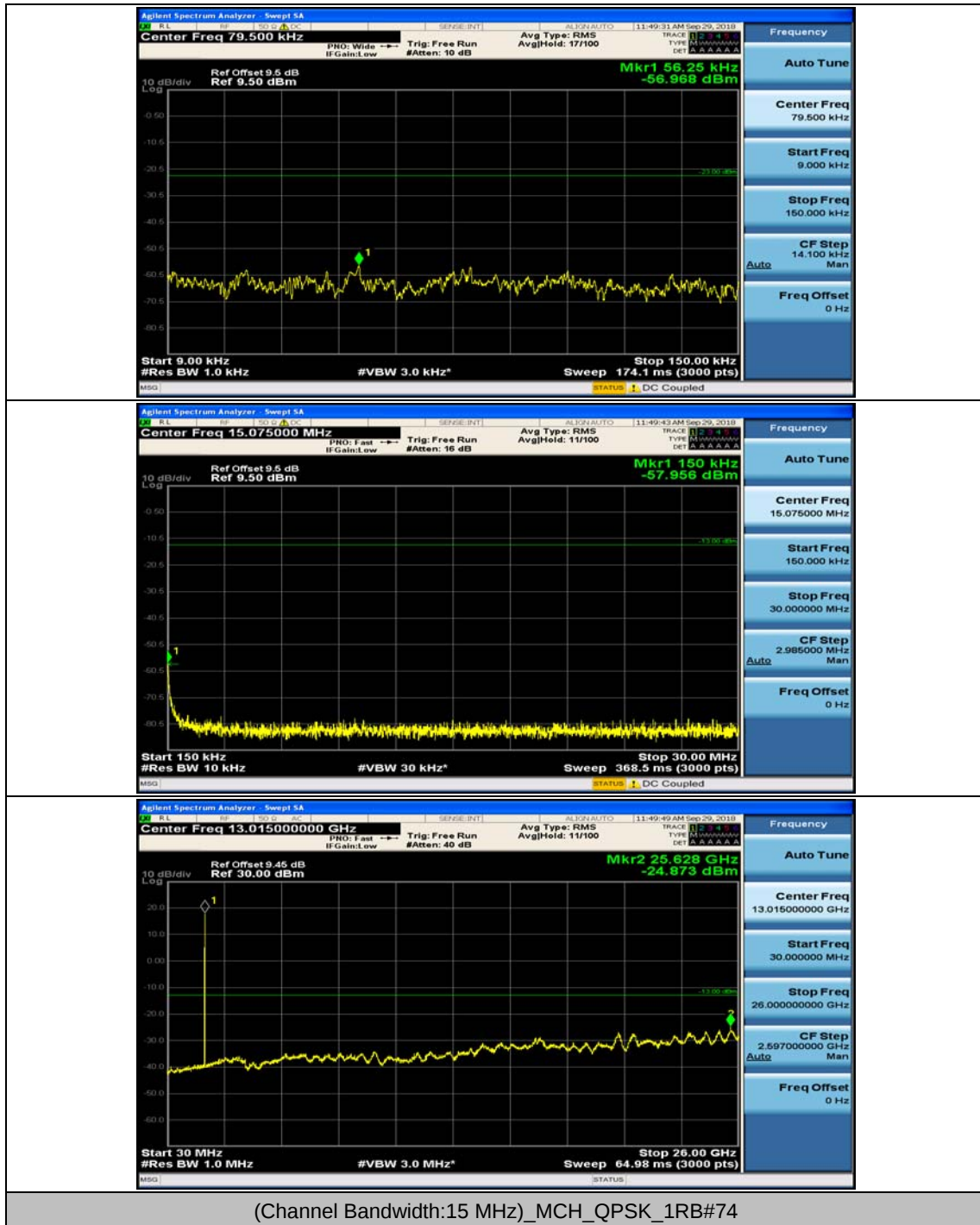


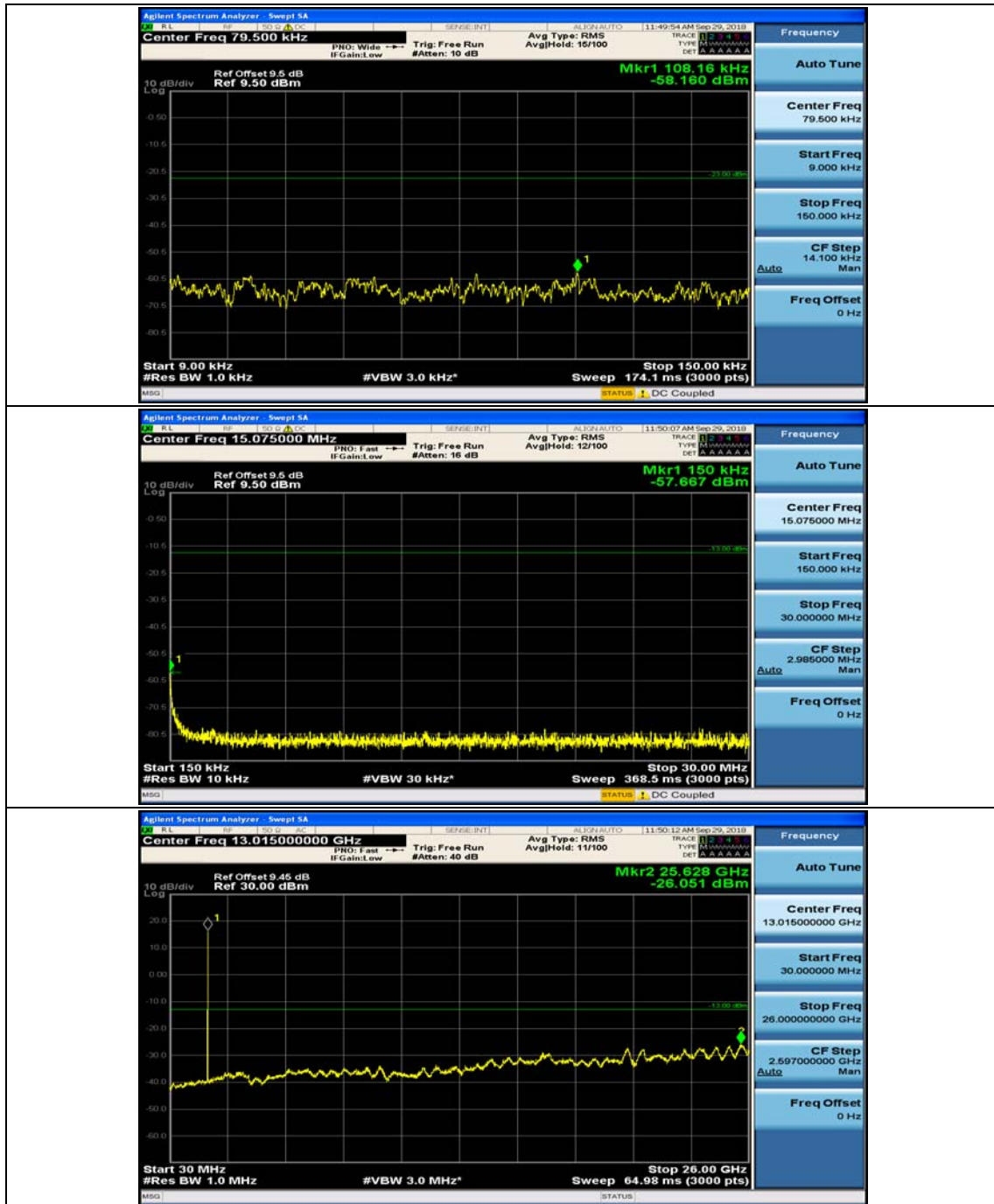


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#0

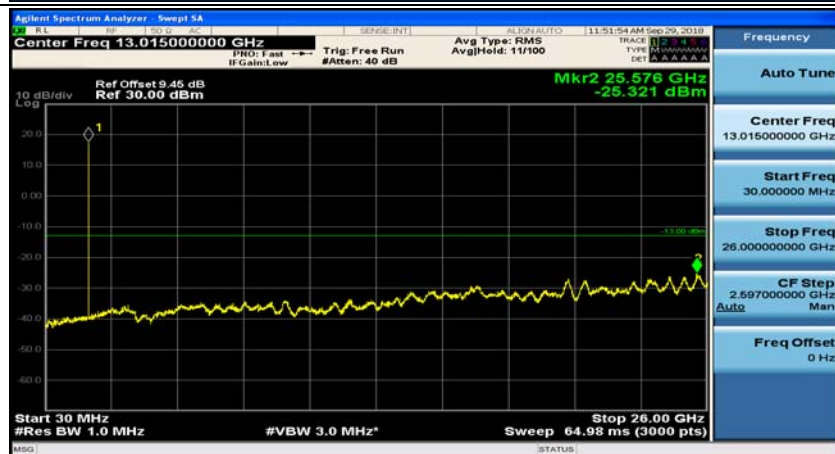
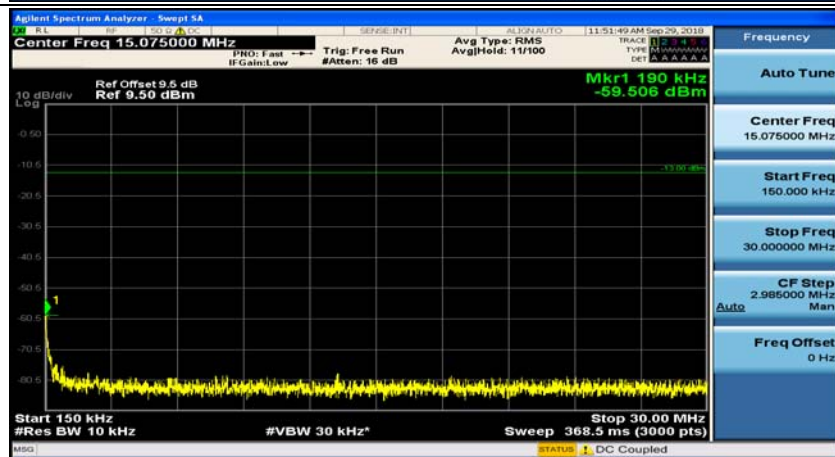


(Channel Bandwidth:15 MHz)_MCH_QPSK_1RB#37

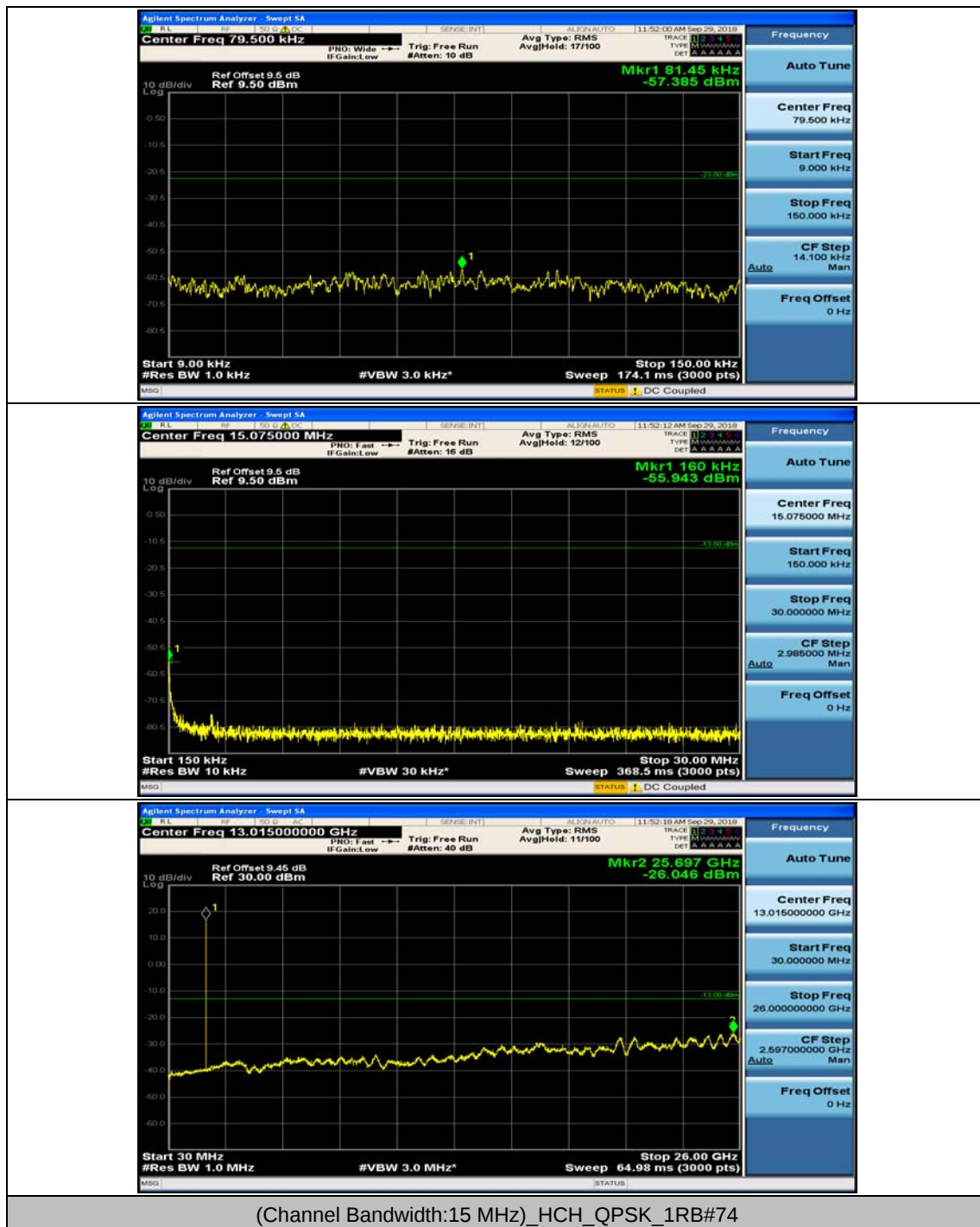


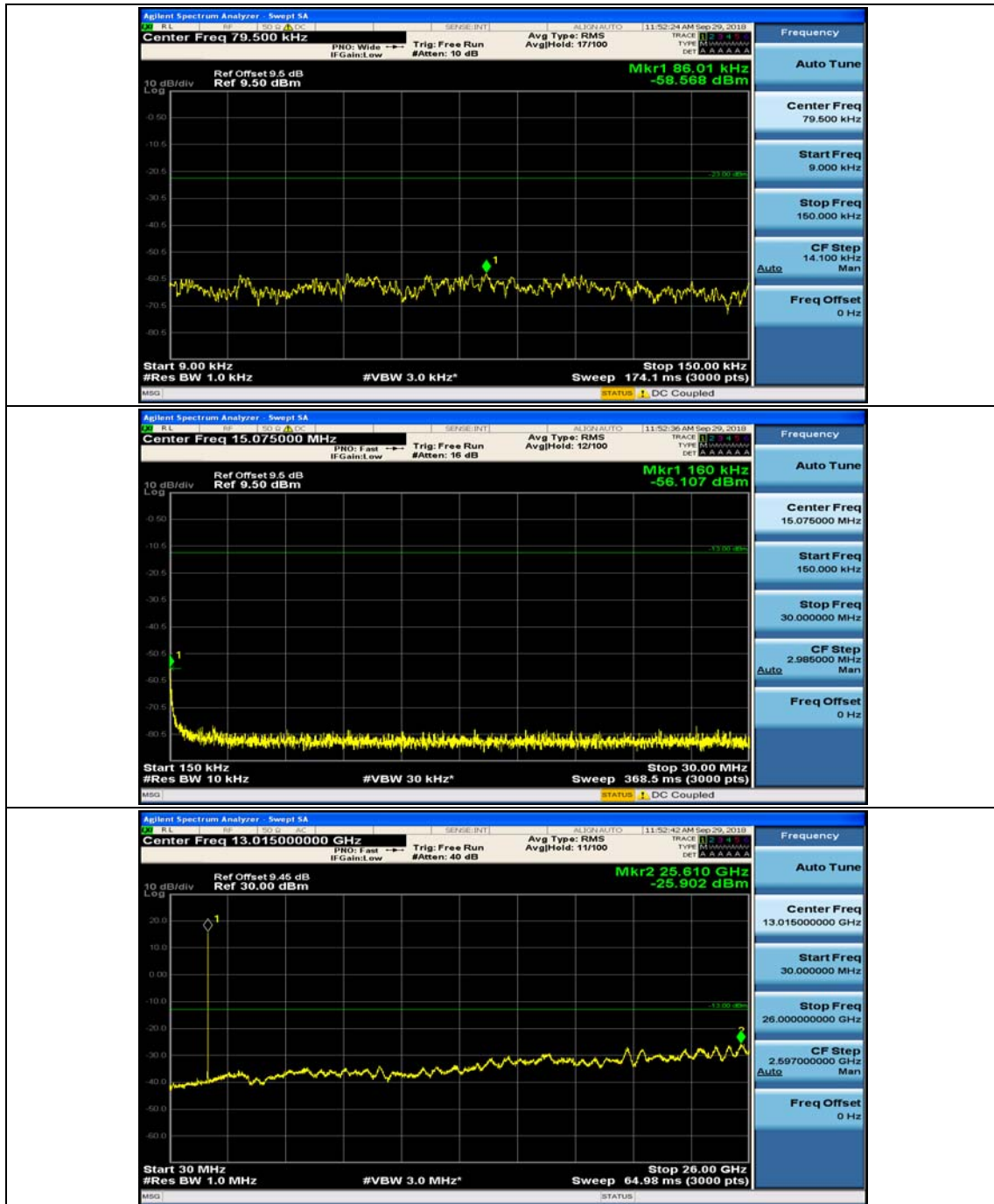


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#0

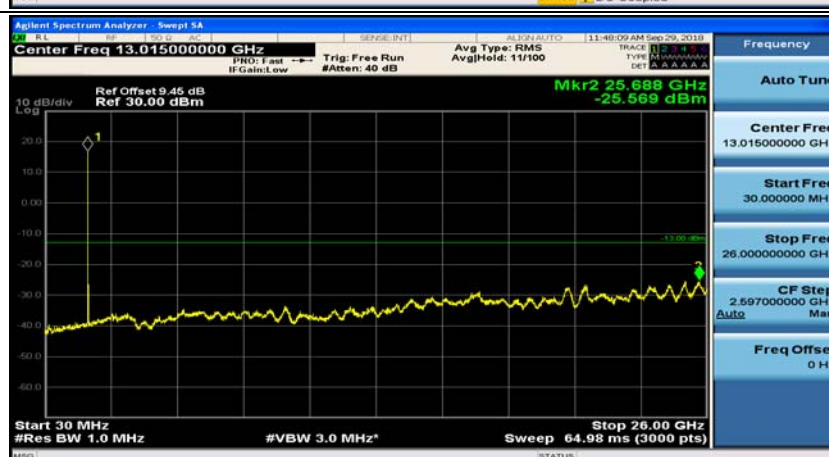
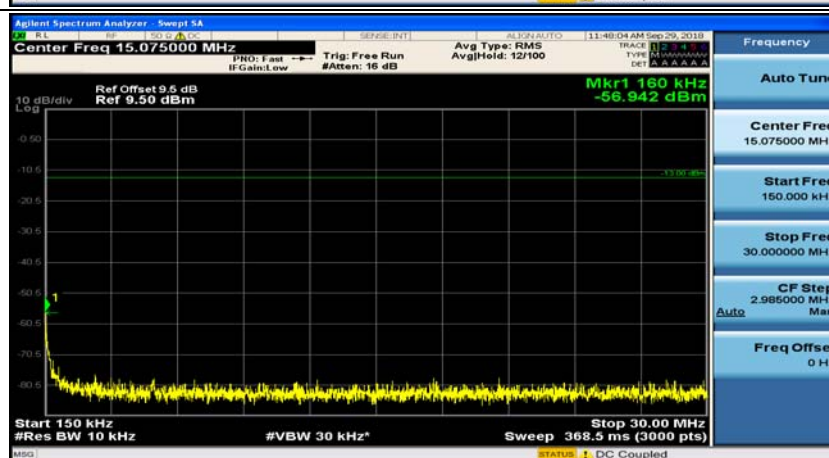
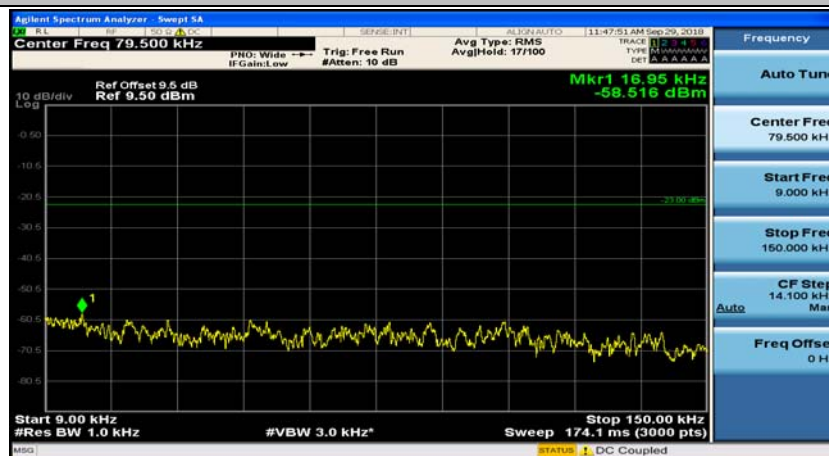


(Channel Bandwidth:15 MHz)_HCH_QPSK_1RB#37

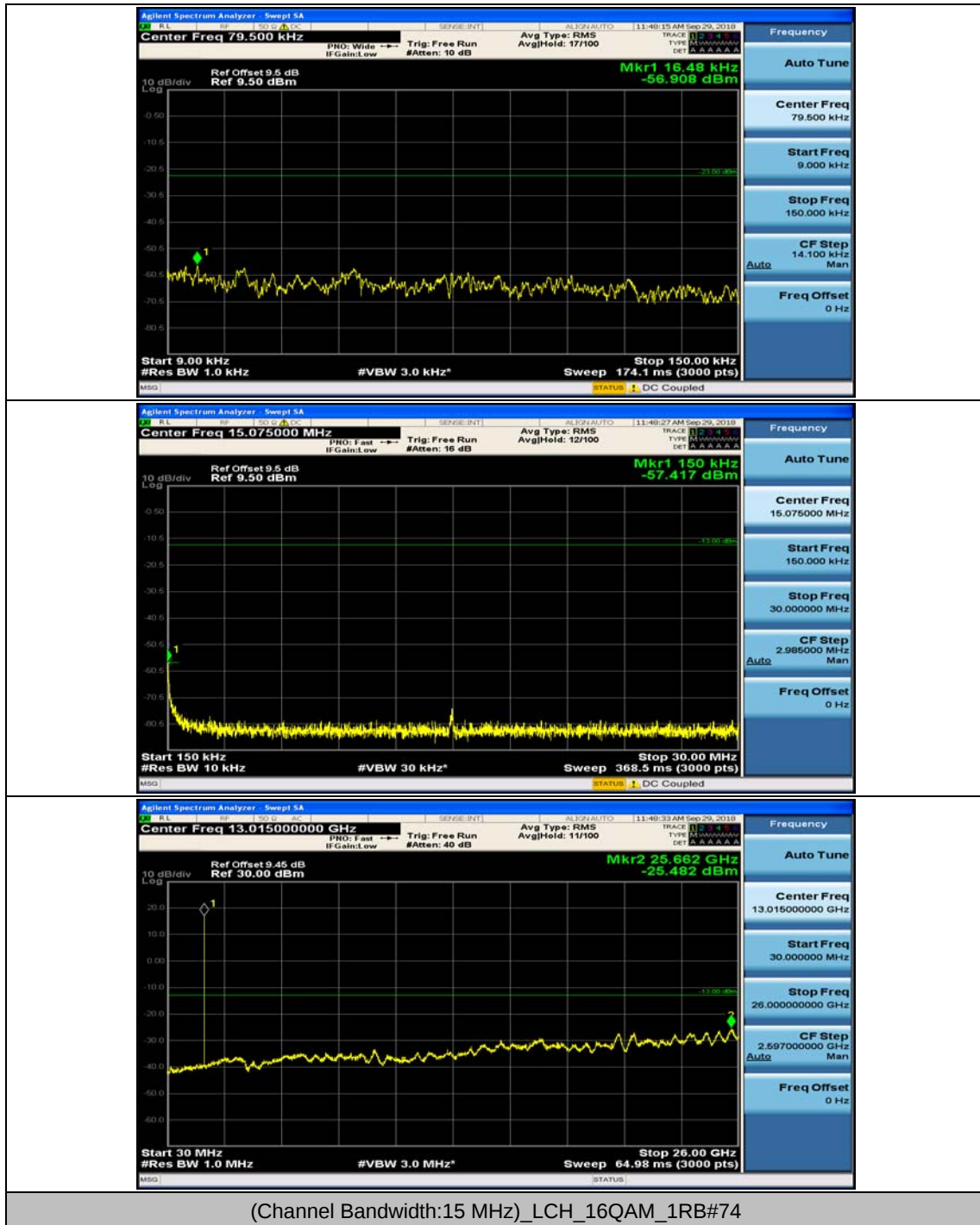


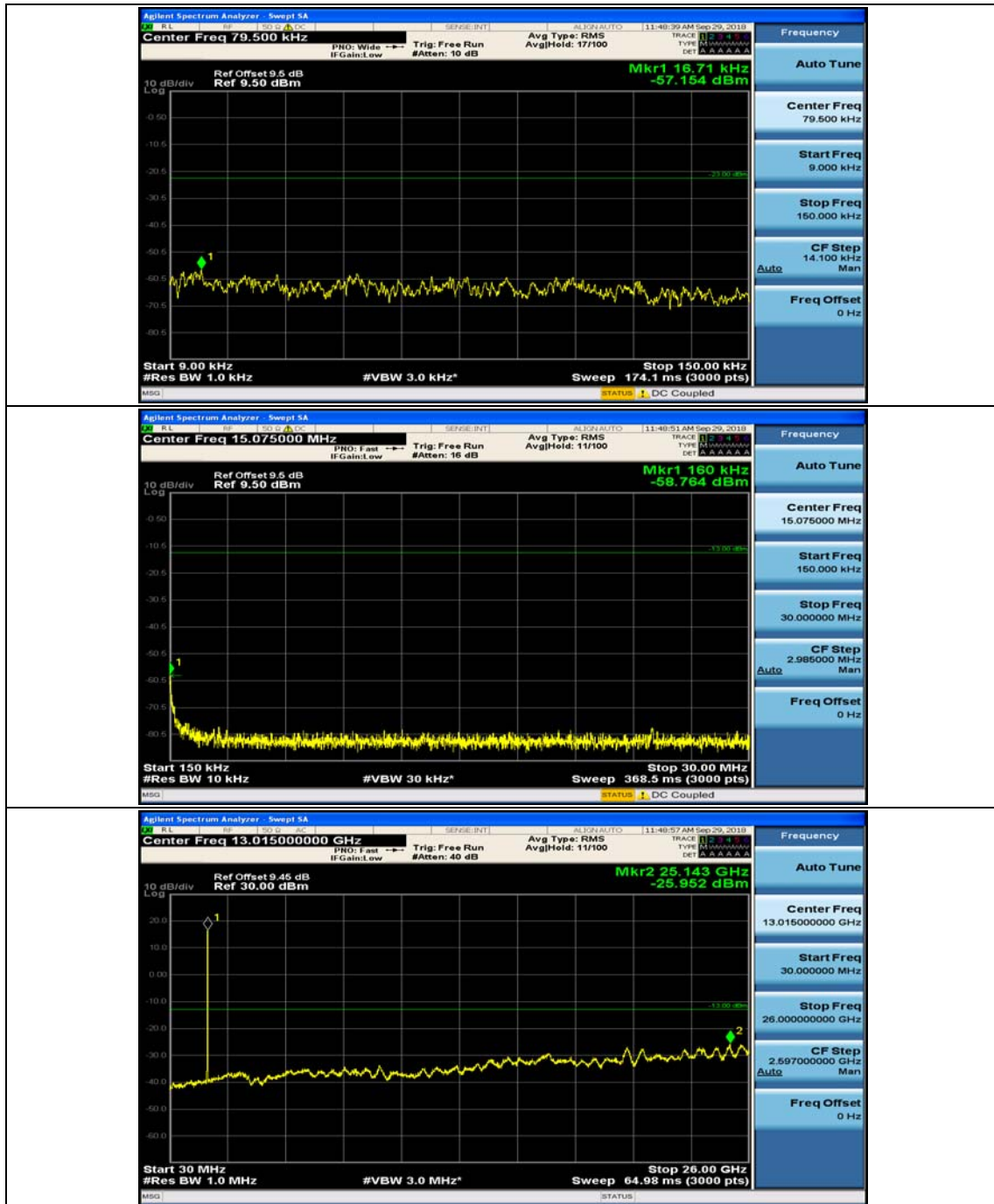


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#0

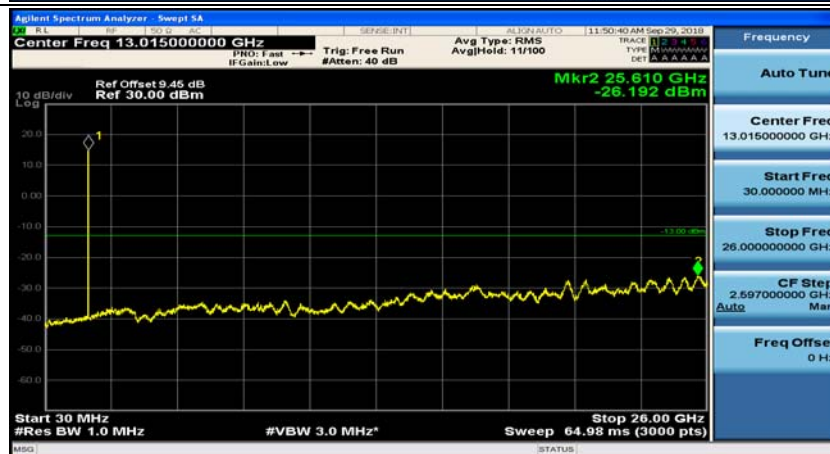
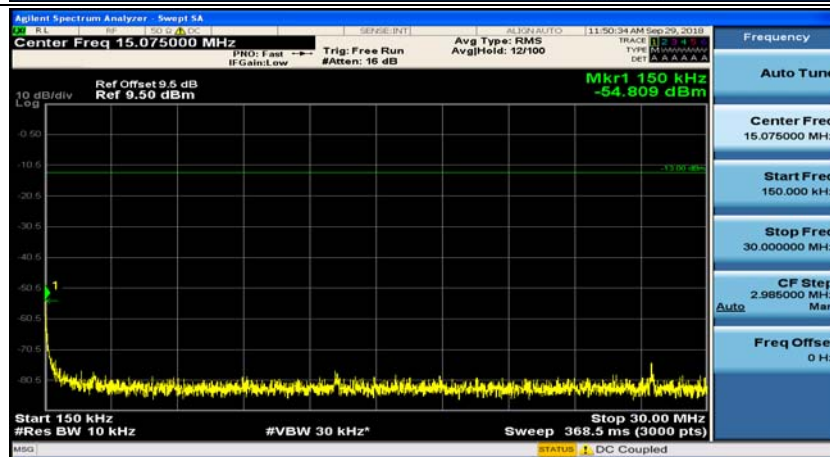


(Channel Bandwidth:15 MHz)_LCH_16QAM_1RB#37

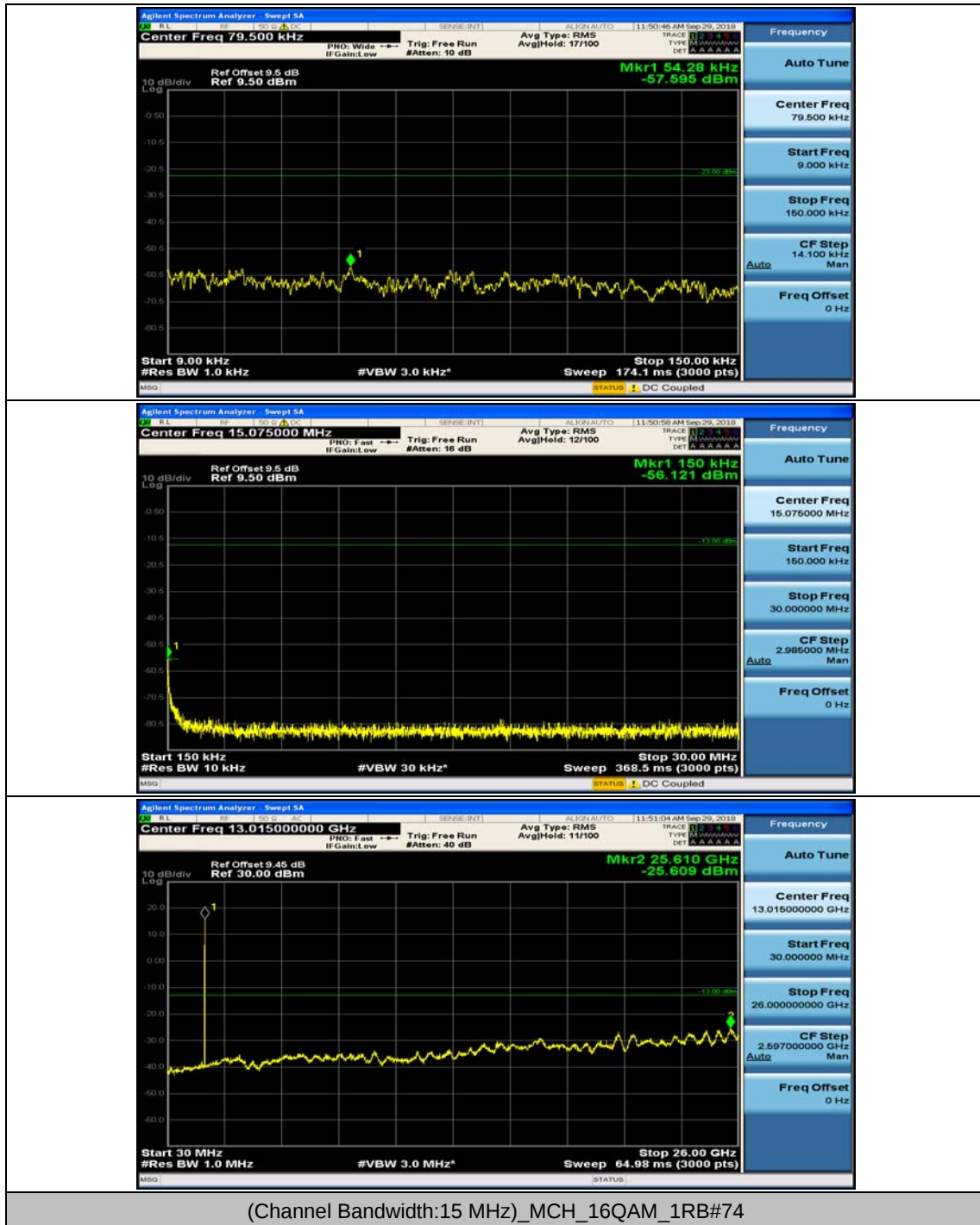


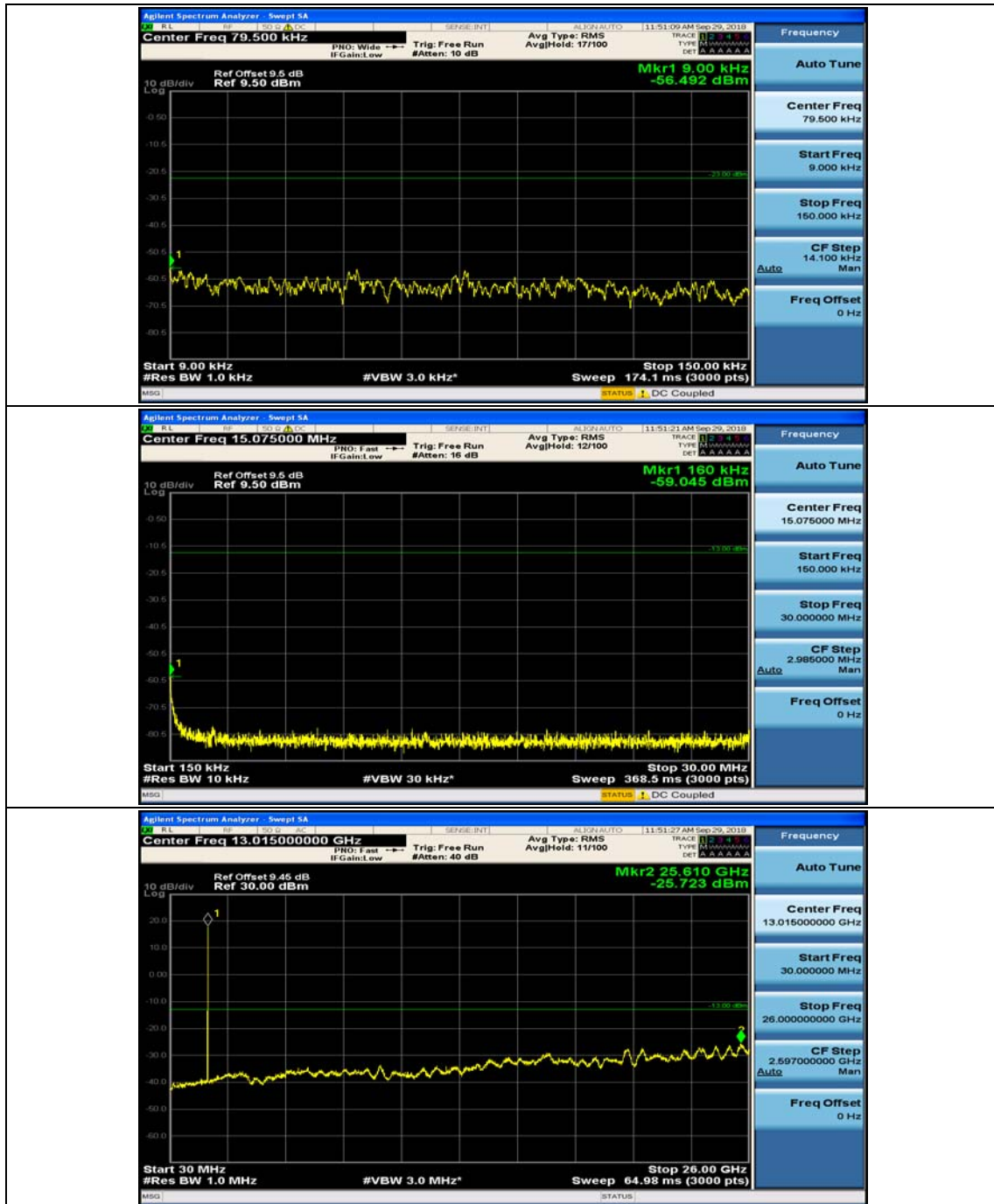


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#0

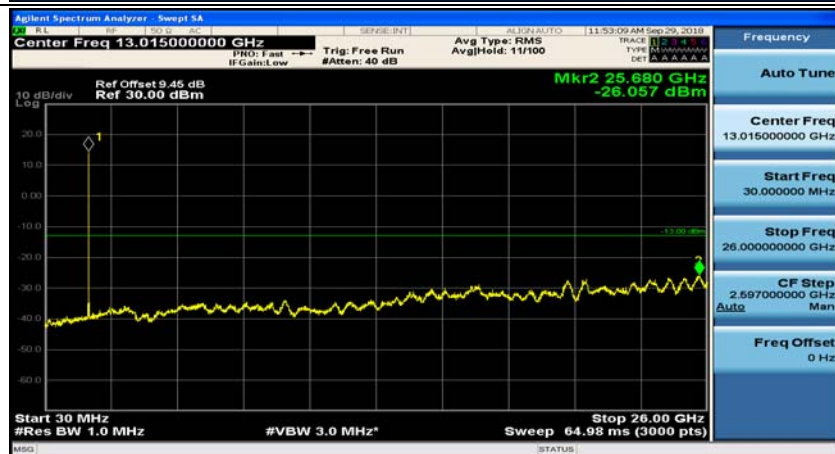
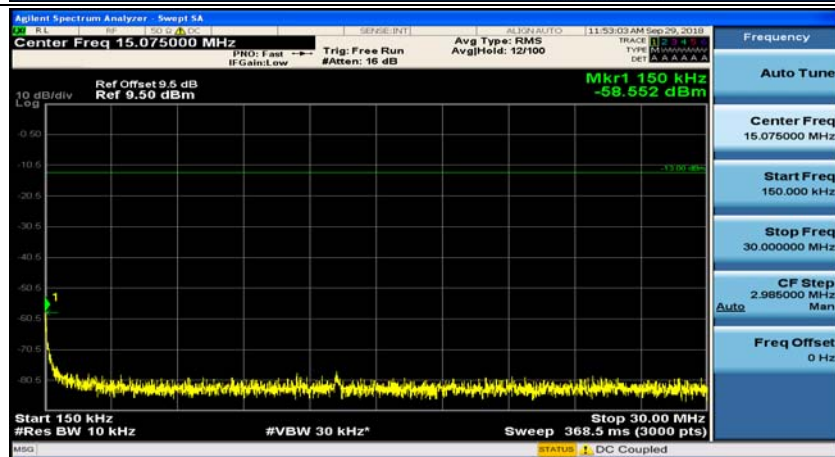


(Channel Bandwidth:15 MHz)_MCH_16QAM_1RB#37

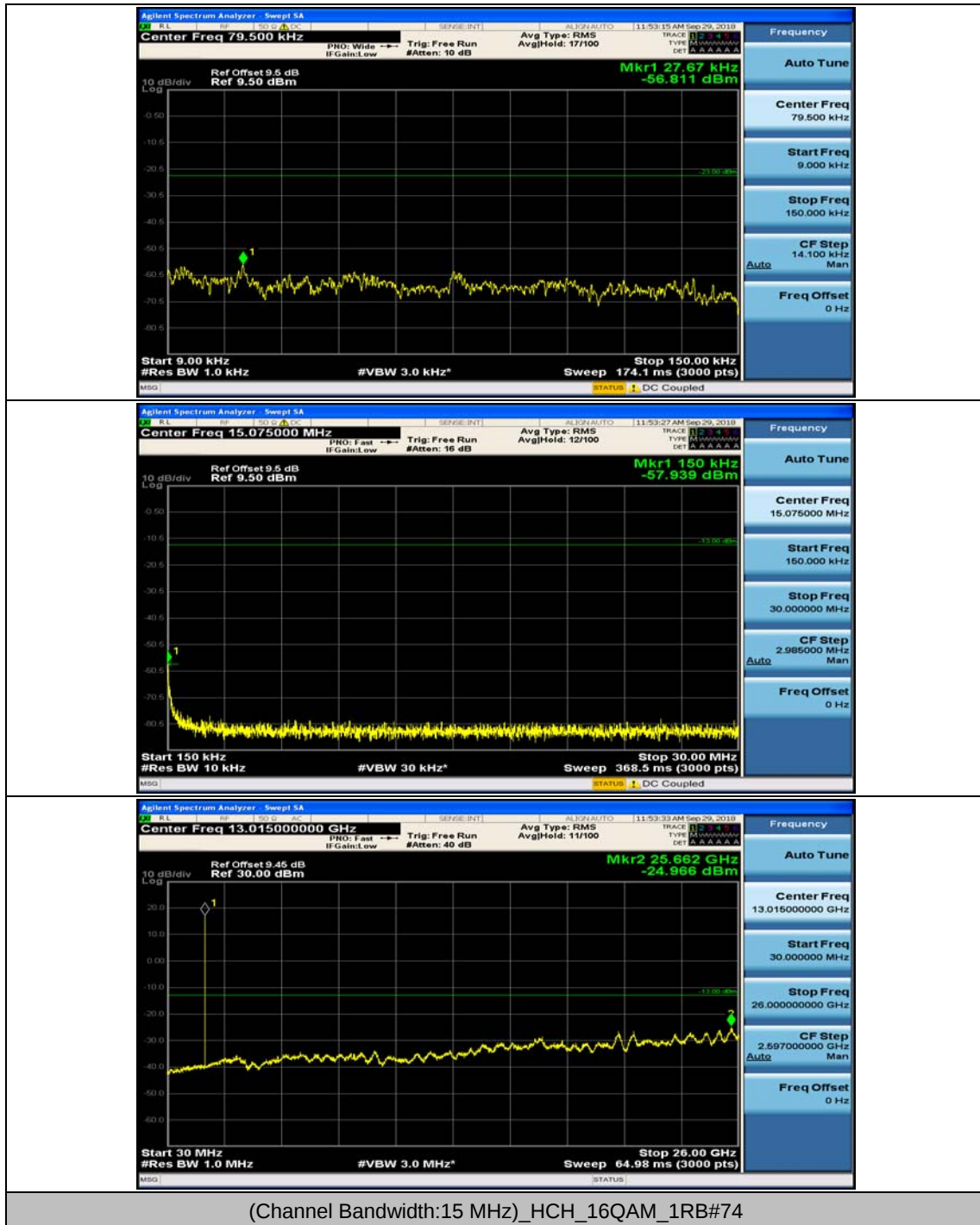


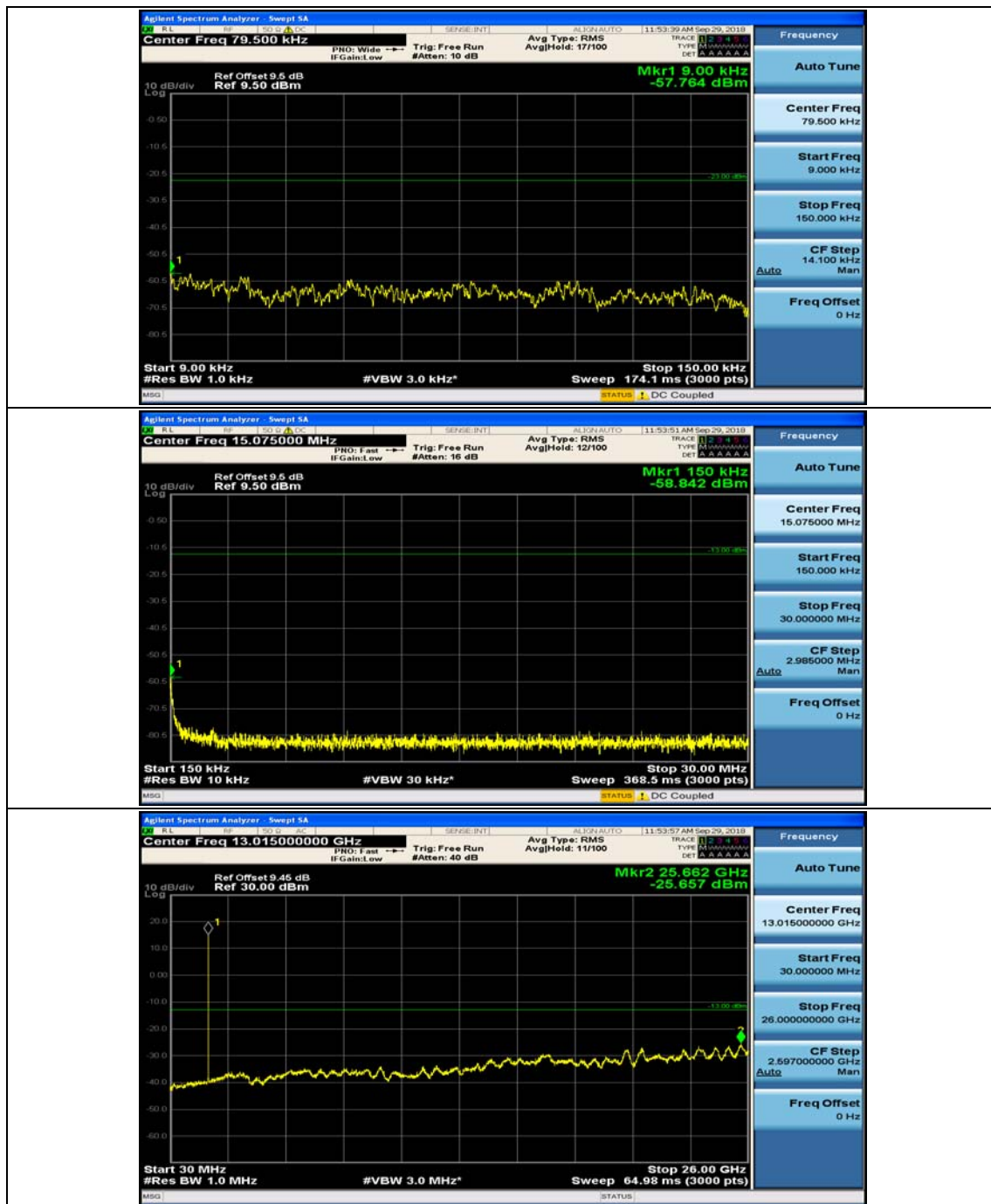


(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#0

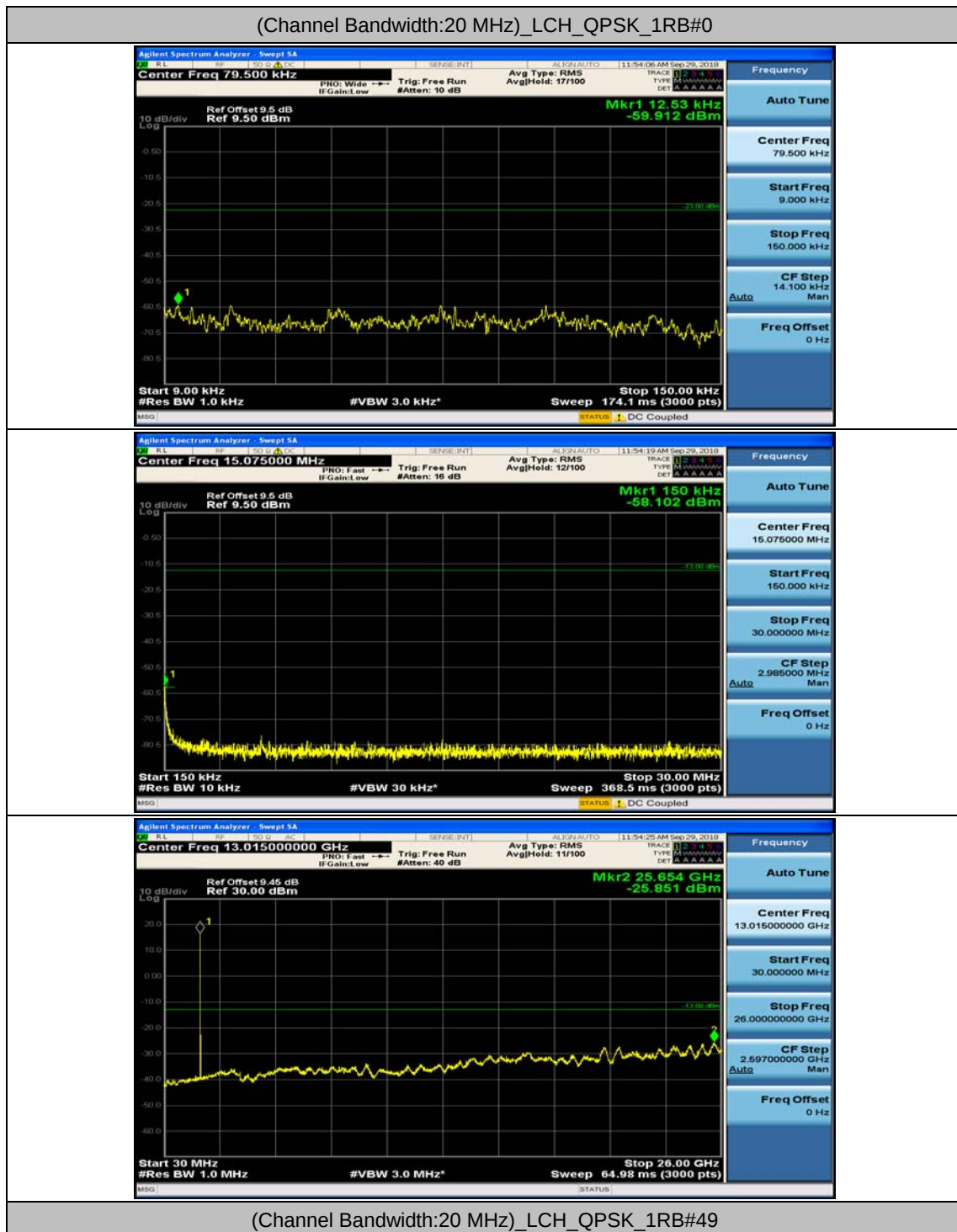


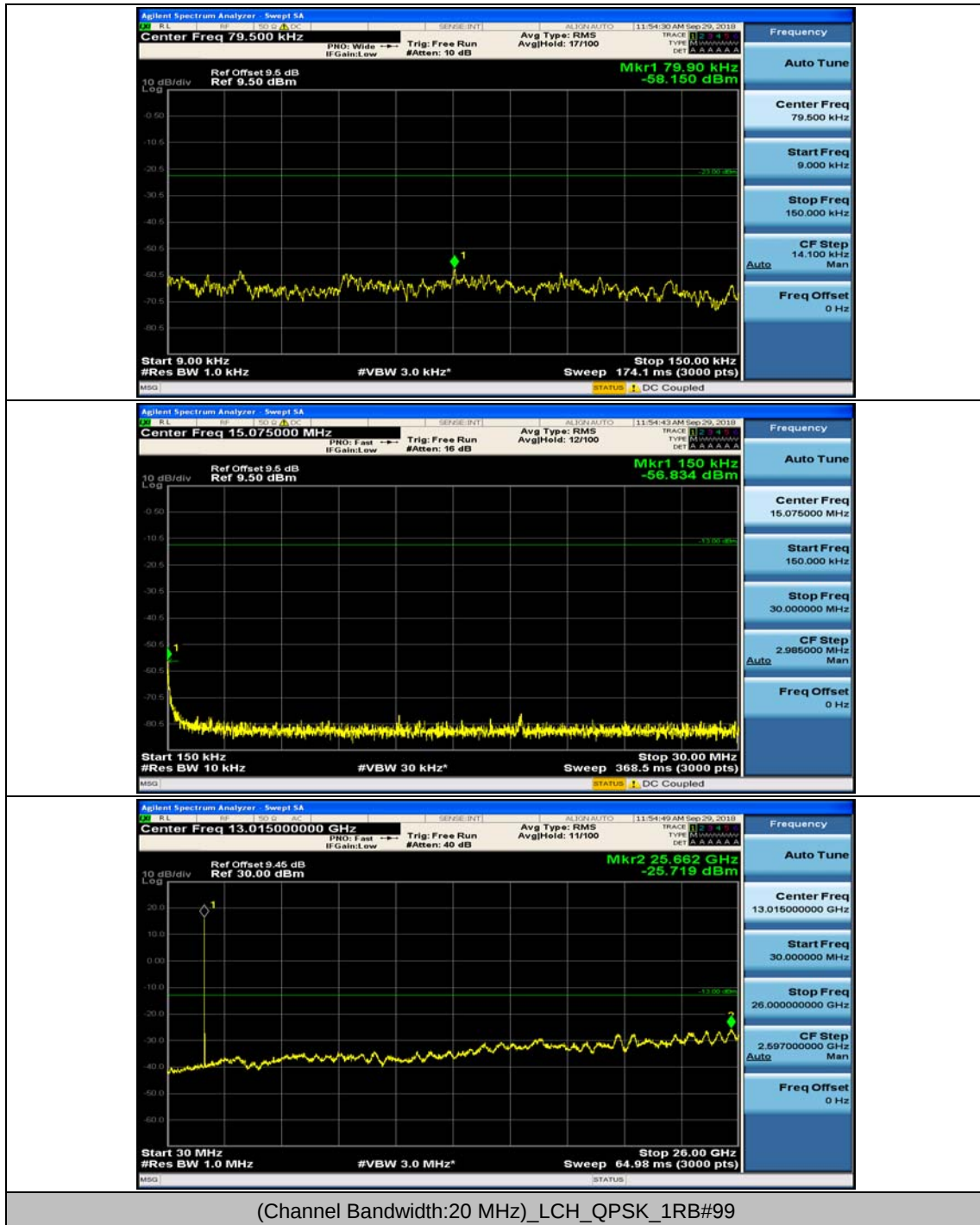
(Channel Bandwidth:15 MHz)_HCH_16QAM_1RB#37

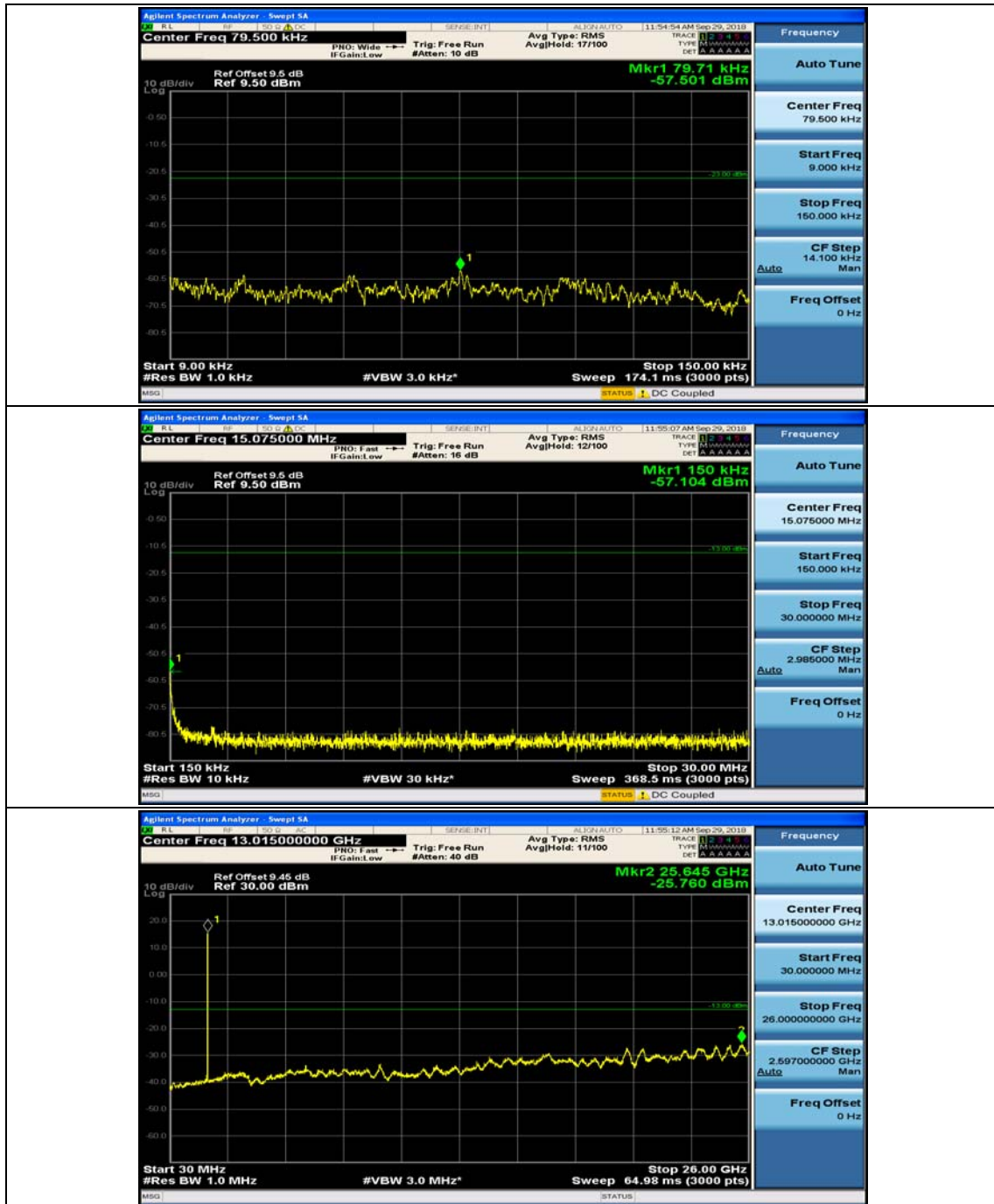




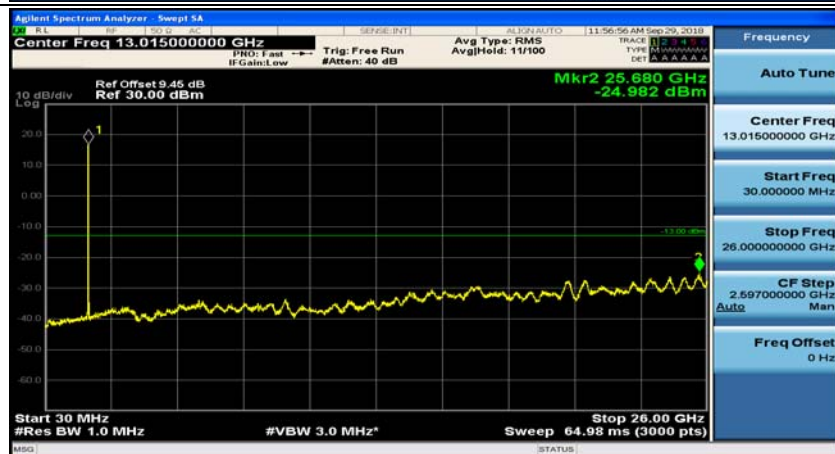
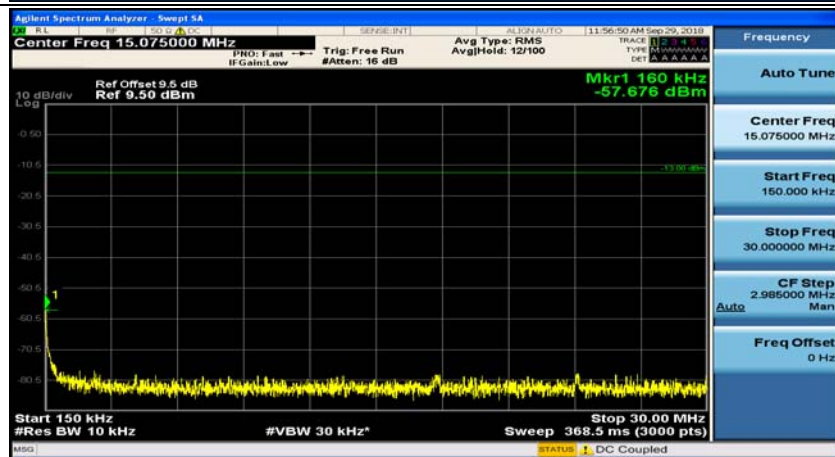
Channel Bandwidth: 20 MHz



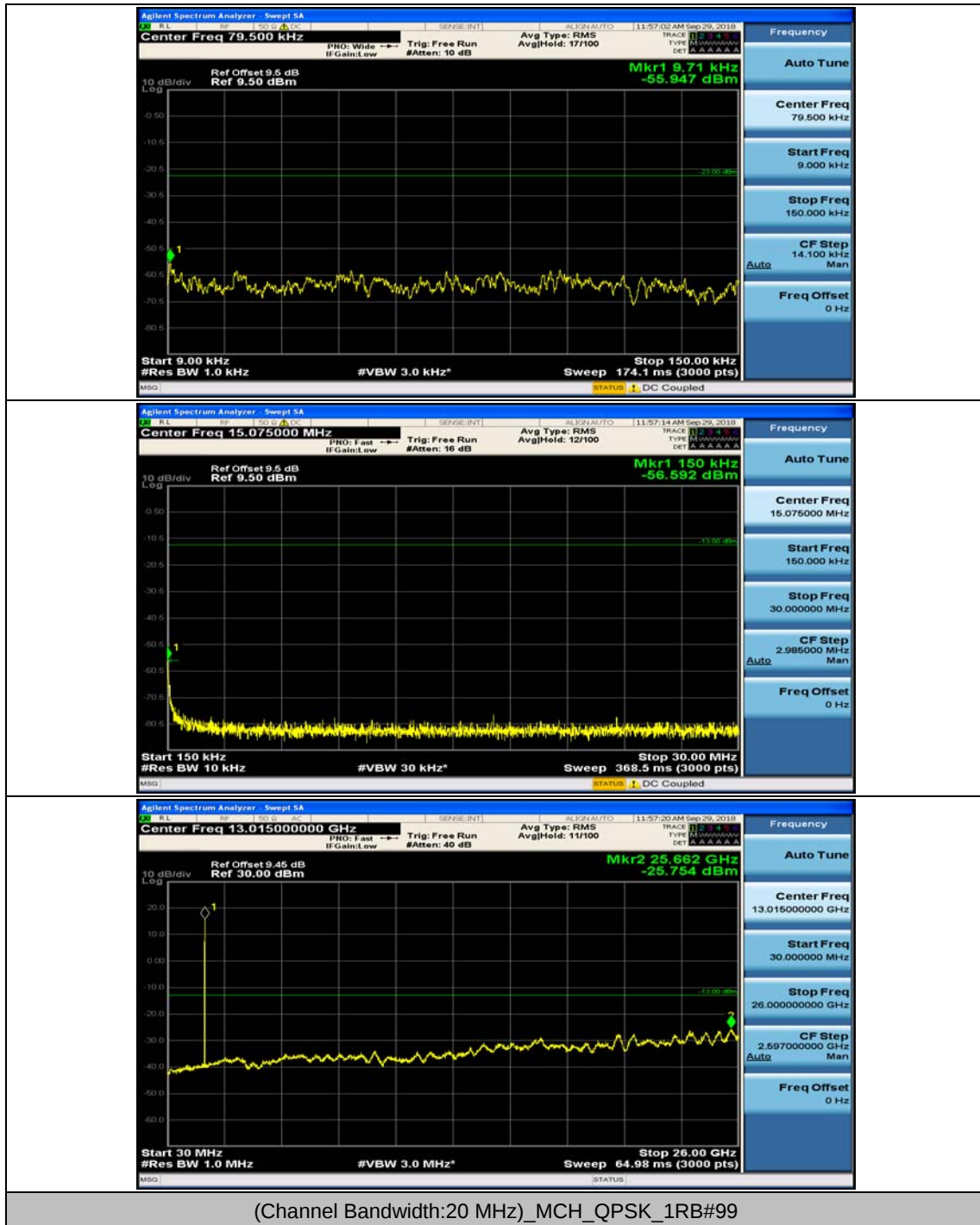


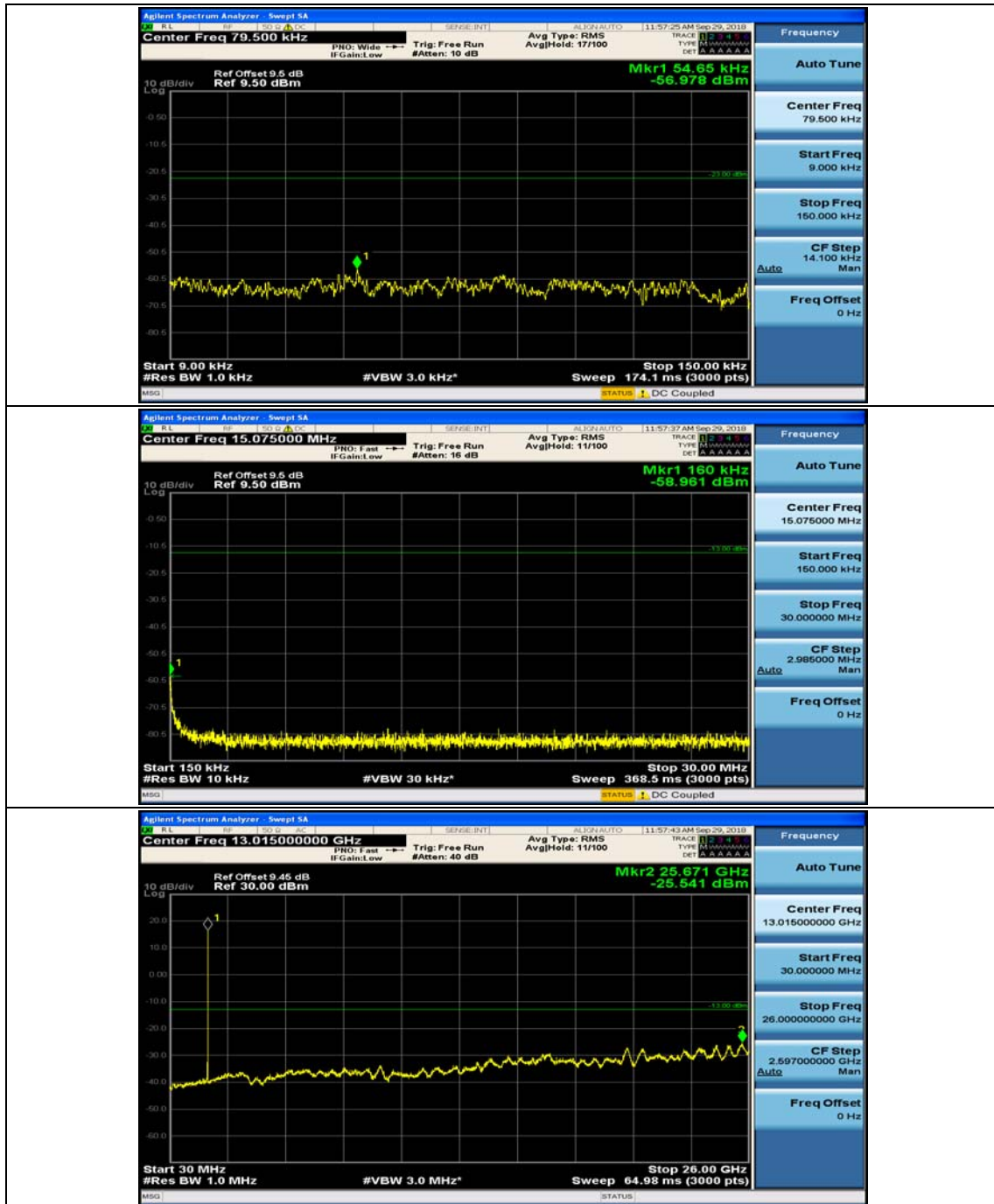


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

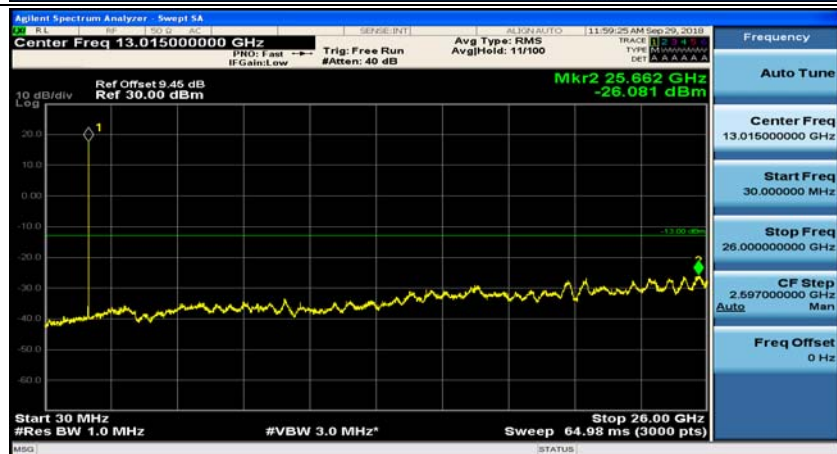
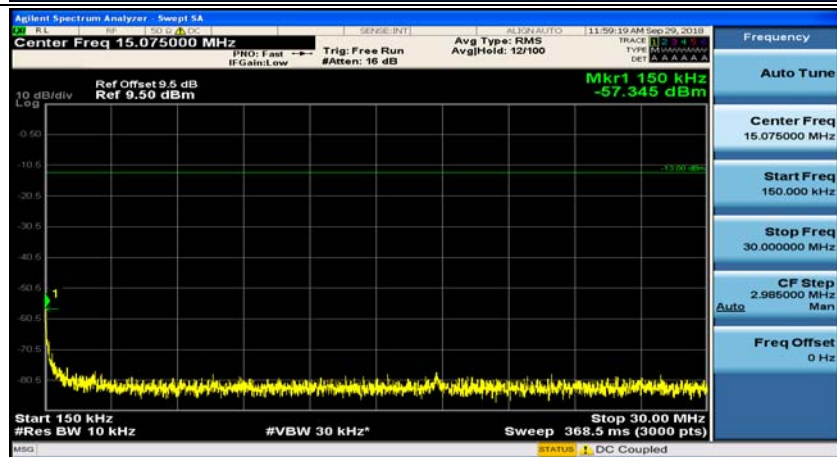
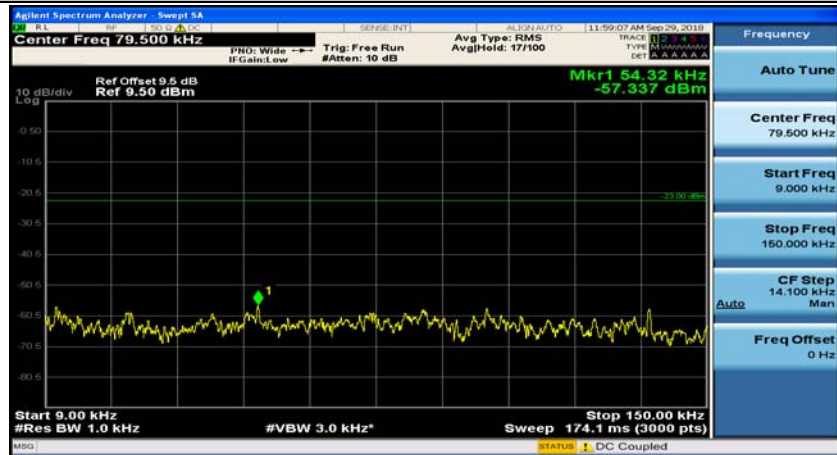


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

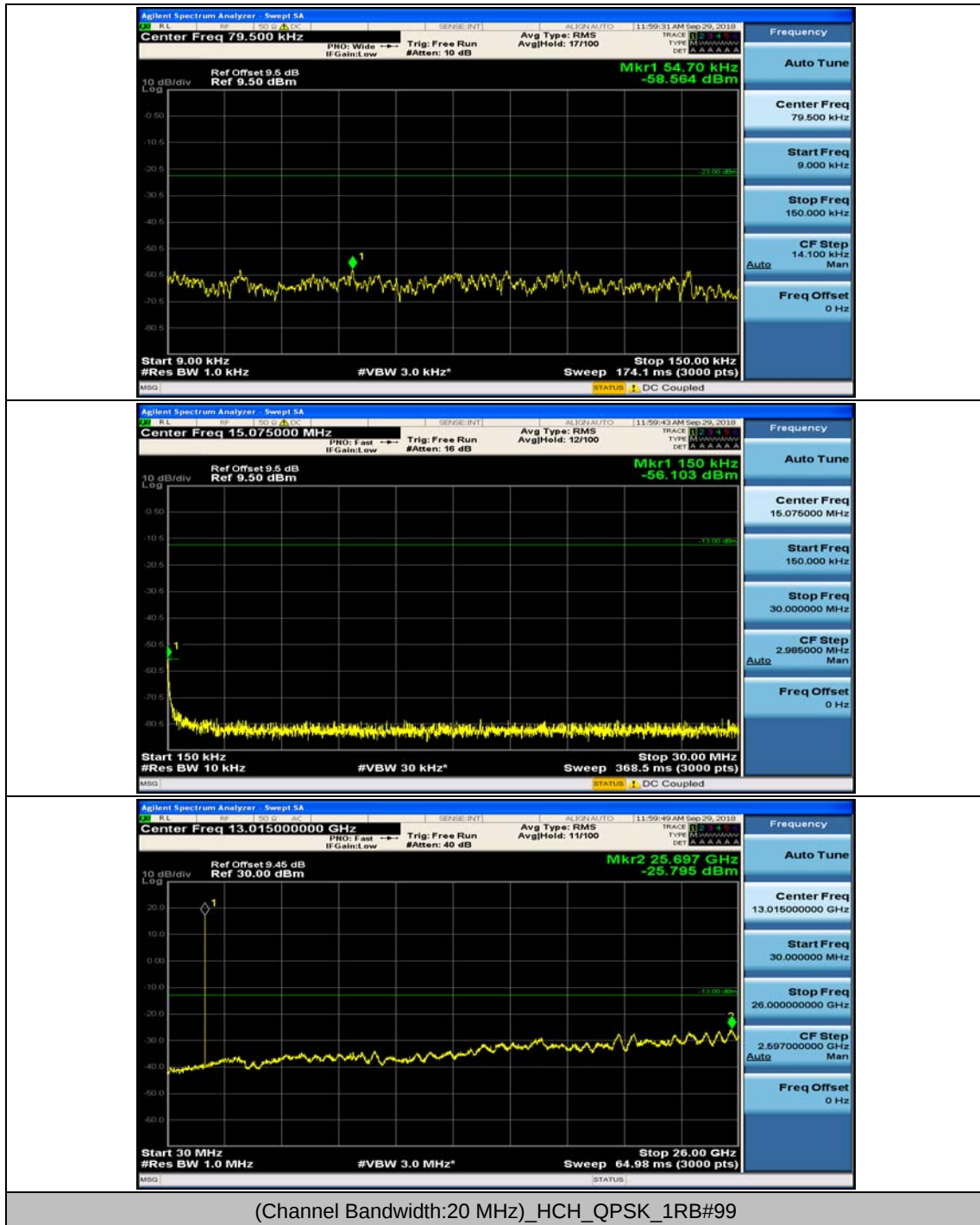


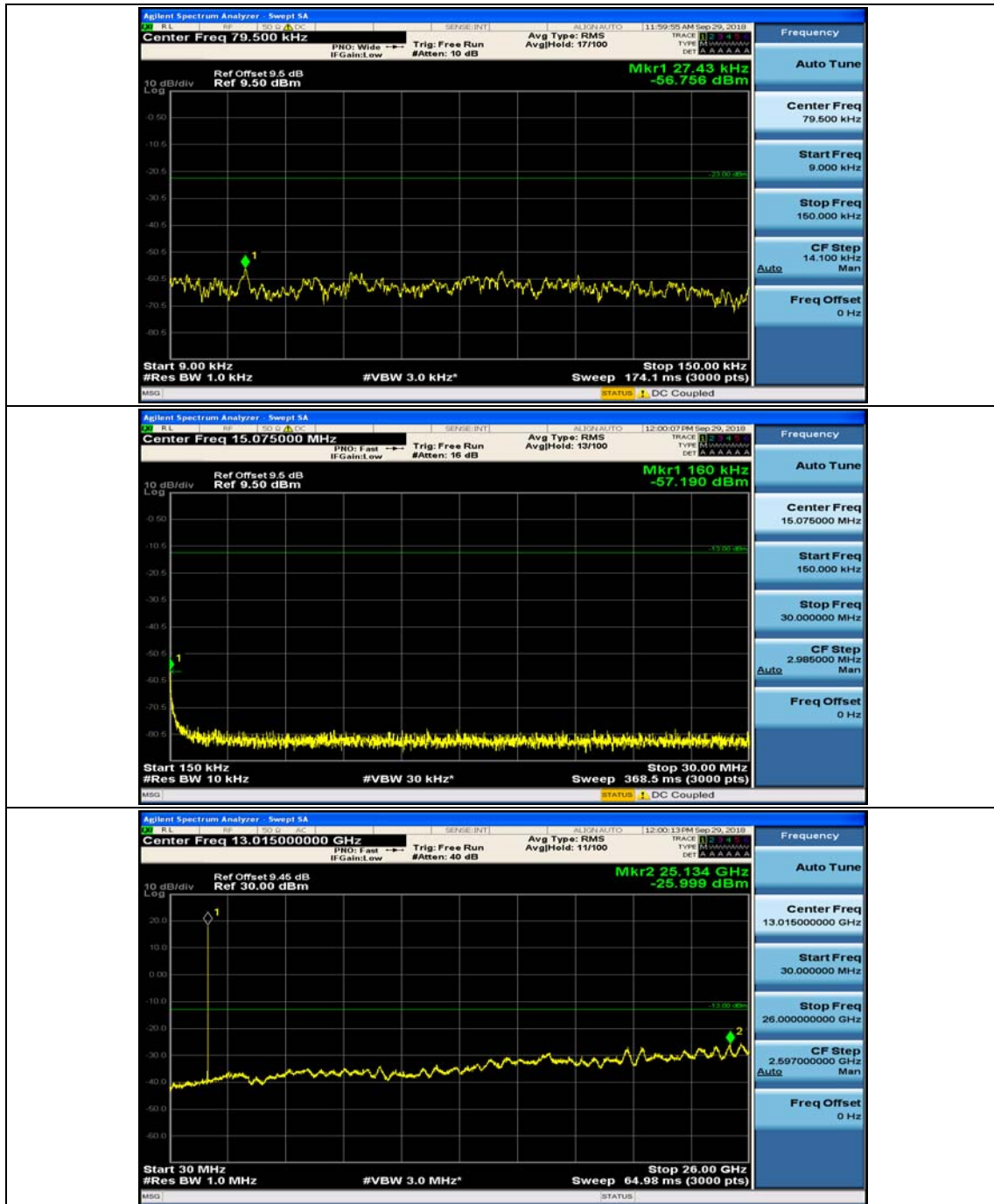


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

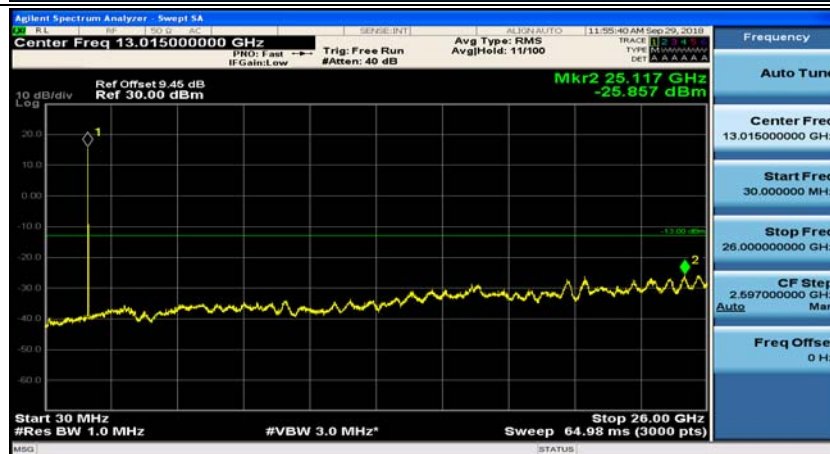
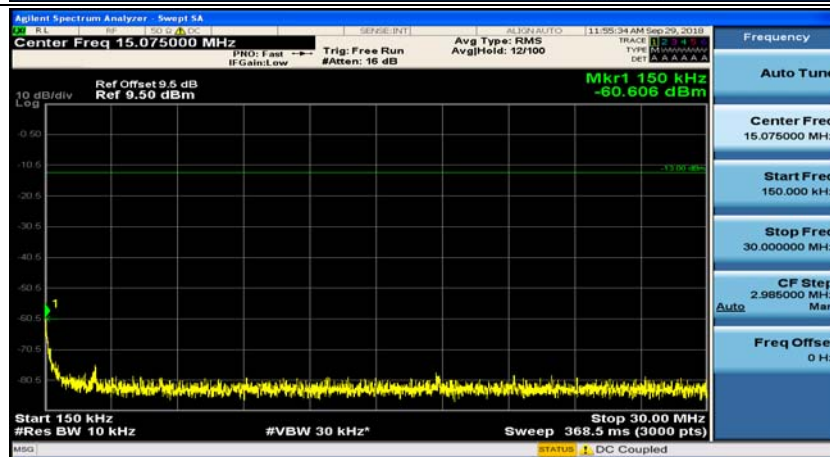
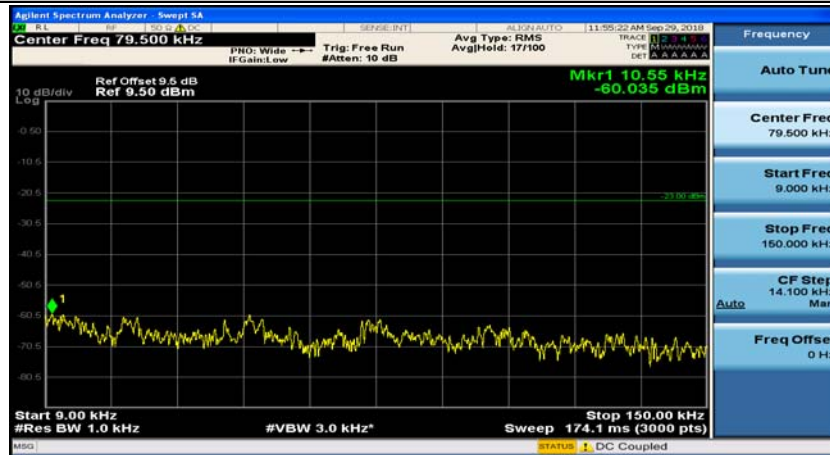


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

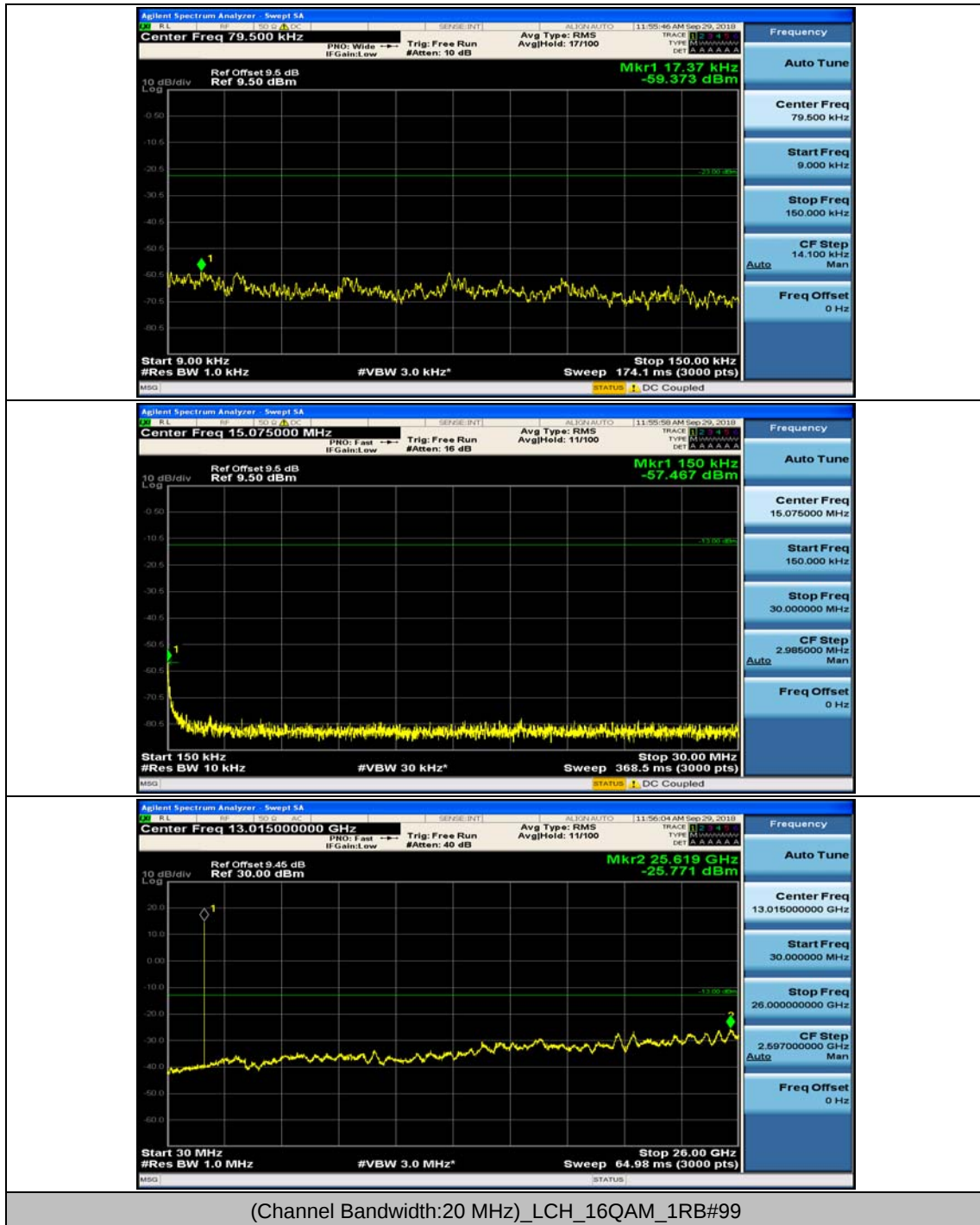


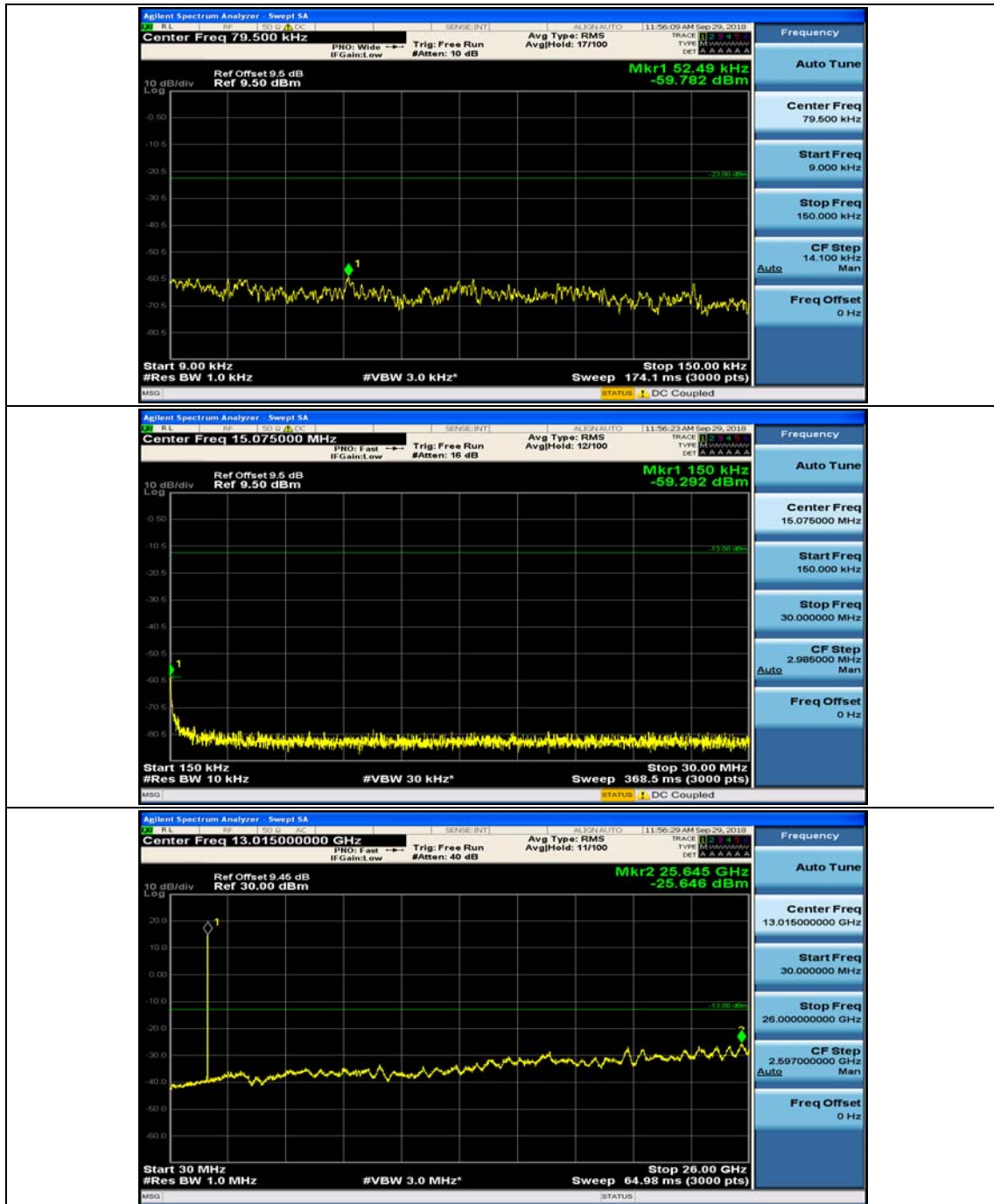


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

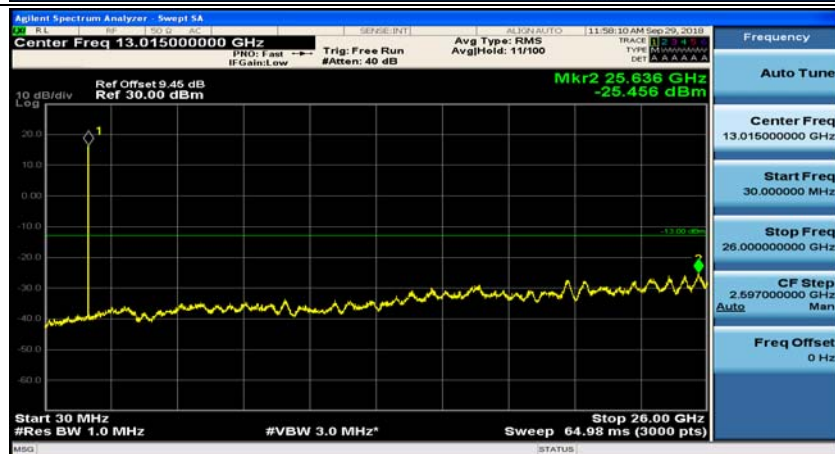
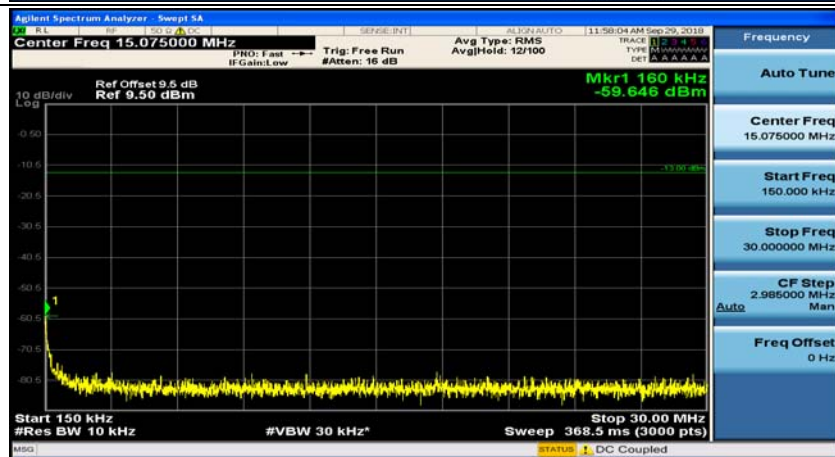
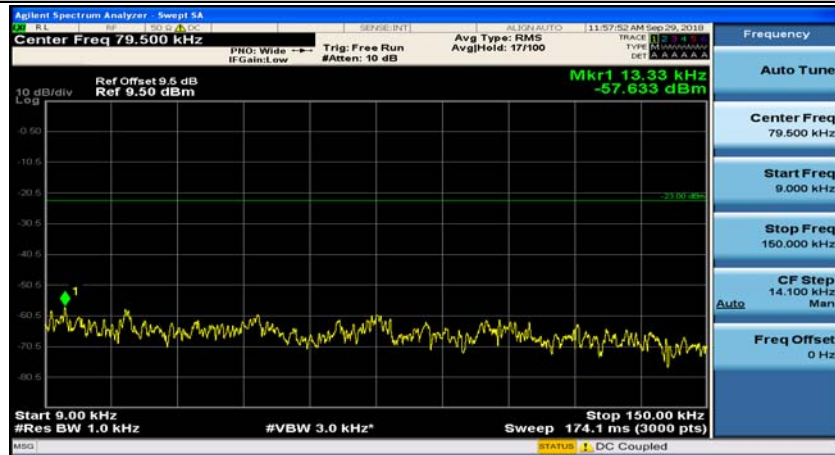


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

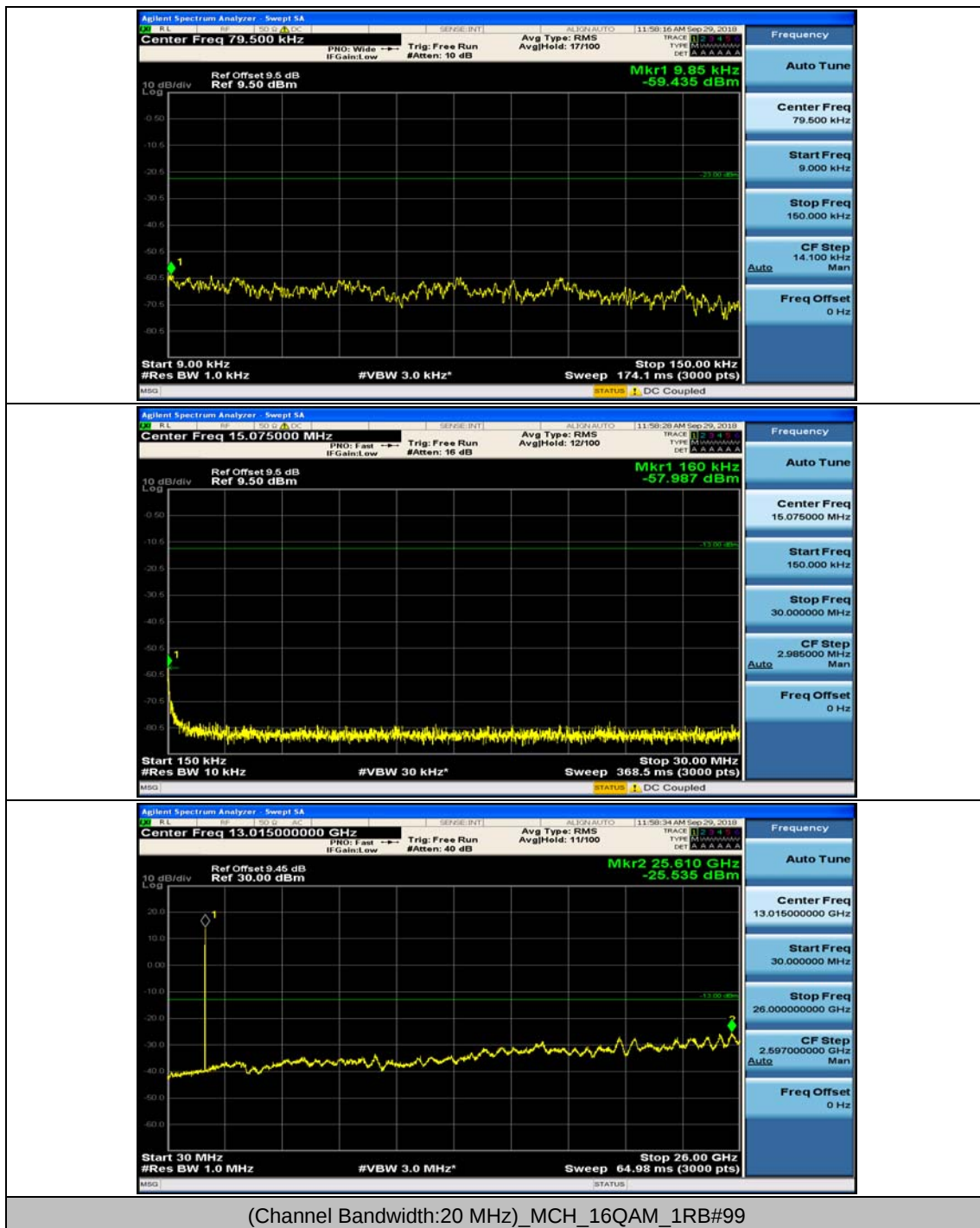


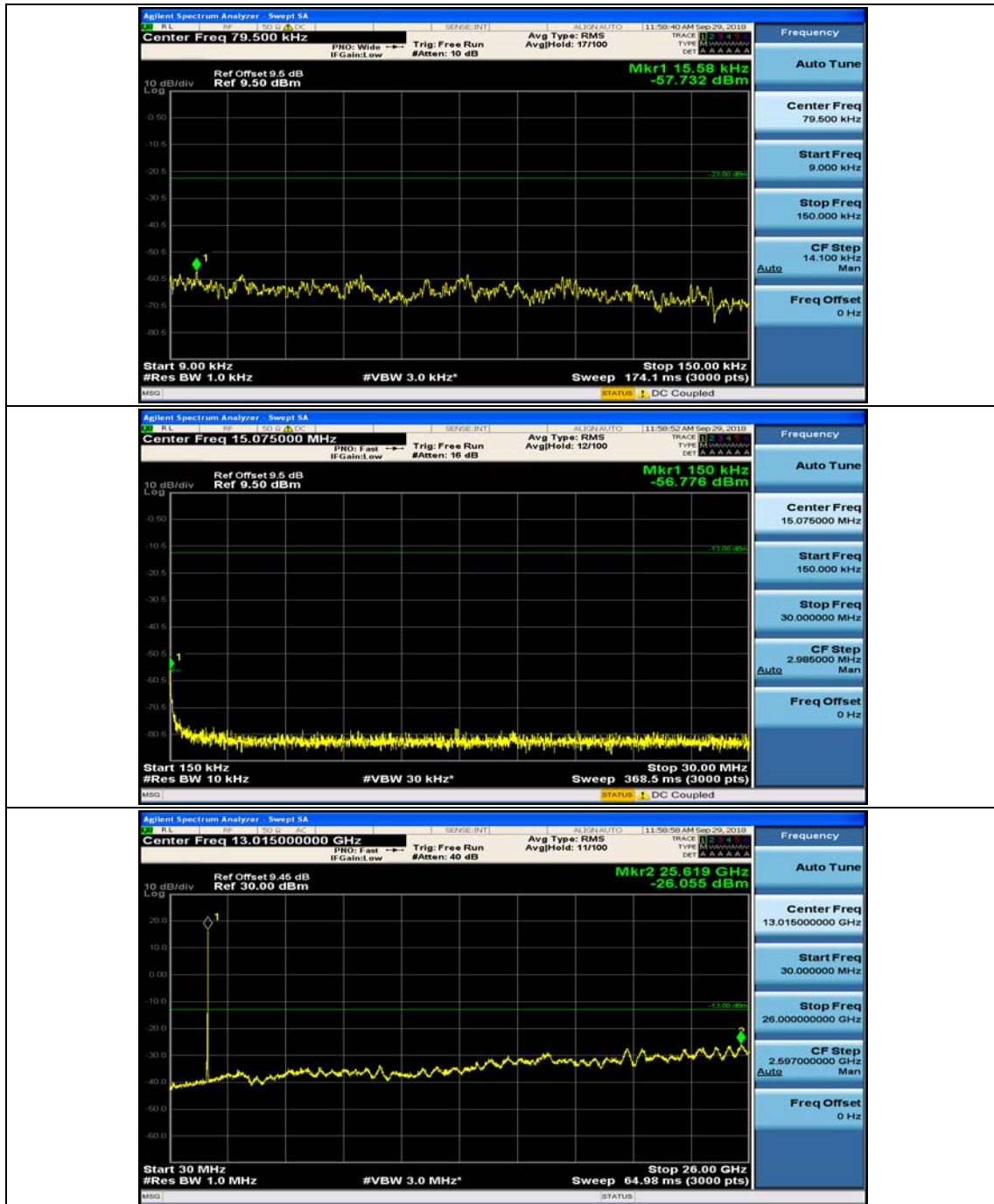


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

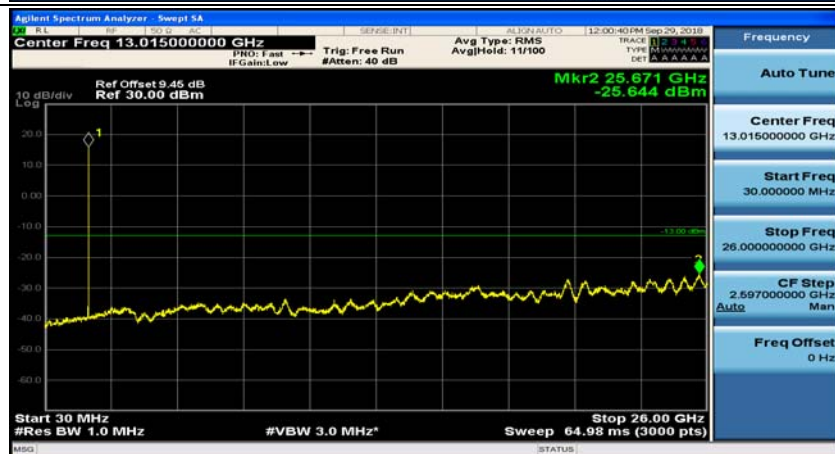
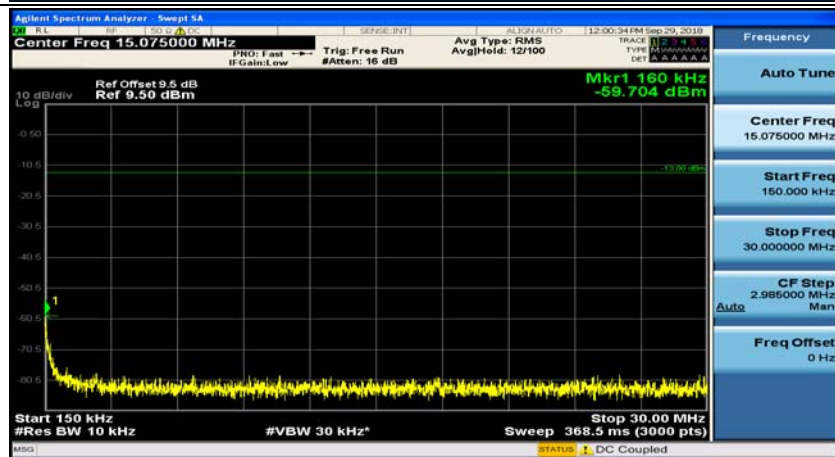
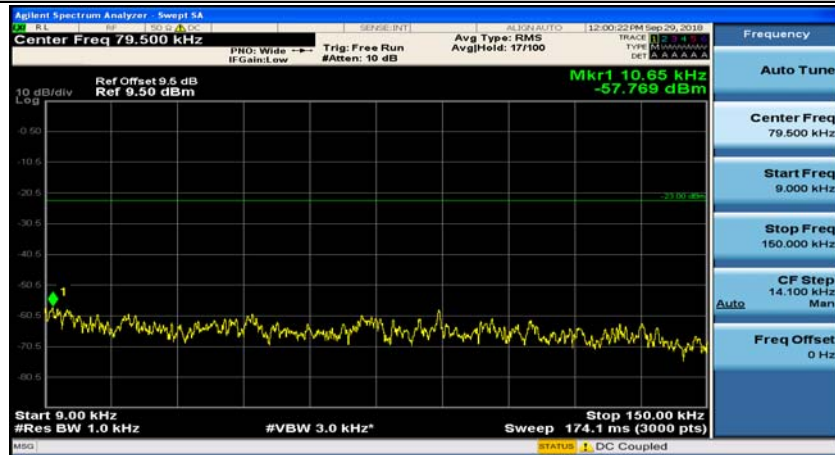


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

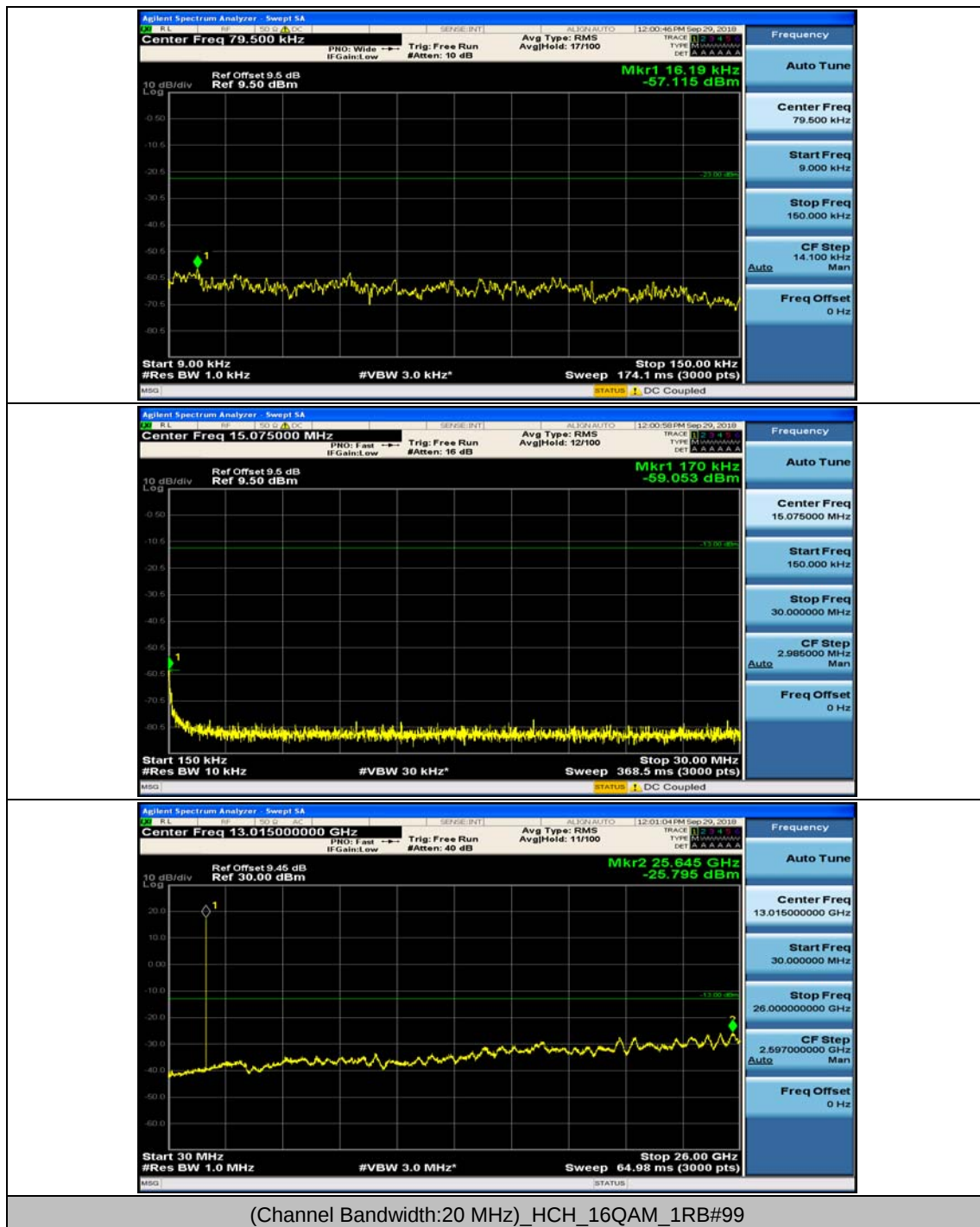


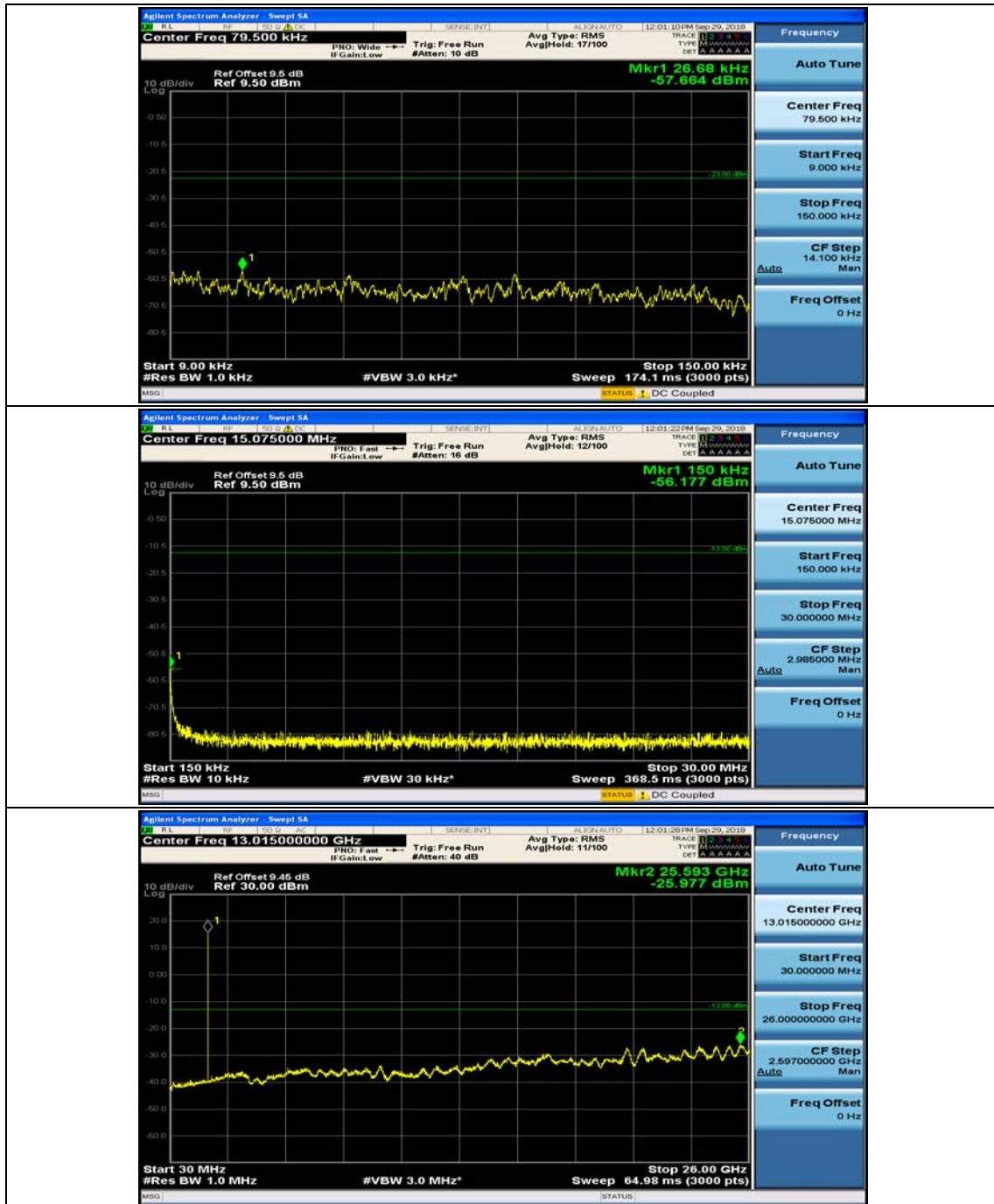


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	0.53	0.000310	± 2.5	PASS
		VN	TN	-0.91	-0.000532	± 2.5	PASS
		VH	TN	1.74	0.001017	± 2.5	PASS
	MCH	VL	TN	4.21	0.002430	± 2.5	PASS
		VN	TN	-1.1	-0.000635	± 2.5	PASS
		VH	TN	1.52	0.000877	± 2.5	PASS
	HCH	VL	TN	4.84	0.002759	± 2.5	PASS
		VN	TN	2.69	0.001533	± 2.5	PASS
		VH	TN	-1.25	-0.000713	± 2.5	PASS
16QAM	LCH	VL	TN	-1.08	-0.000631	± 2.5	PASS
		VN	TN	-0.11	-0.000064	± 2.5	PASS
		VH	TN	0.75	0.000438	± 2.5	PASS
	MCH	VL	TN	2.05	0.001183	± 2.5	PASS
		VN	TN	-0.27	-0.000156	± 2.5	PASS
		VH	TN	1.78	0.001027	± 2.5	PASS
	HCH	VL	TN	4.52	0.002577	± 2.5	PASS
		VN	TN	-1.32	-0.000752	± 2.5	PASS
		VH	TN	0.03	0.000017	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.27	0.000158	± 2.5	PASS
		VN	-20	-1.68	-0.000982	± 2.5	PASS
		VN	-10	3.77	0.002204	± 2.5	PASS
		VN	0	4.89	0.002858	± 2.5	PASS
		VN	10	-0.14	-0.000082	± 2.5	PASS
		VN	20	-1.94	-0.001134	± 2.5	PASS
		VN	30	1.37	0.000801	± 2.5	PASS
		VN	40	-1.21	-0.000707	± 2.5	PASS
		VN	50	-1.7	-0.000994	± 2.5	PASS
	MCH	VN	-30	0.3	0.000173	± 2.5	PASS
		VN	-20	-0.14	-0.000081	± 2.5	PASS

		VN	-10	-1.11	-0.000641	± 2.5	PASS
		VN	0	0.82	0.000473	± 2.5	PASS
		VN	10	-1.76	-0.001016	± 2.5	PASS
		VN	20	-1.82	-0.001051	± 2.5	PASS
		VN	30	0.23	0.000133	± 2.5	PASS
		VN	40	-1.05	-0.000606	± 2.5	PASS
		VN	50	2.25	0.001299	± 2.5	PASS
	HCH	VN	-30	2.02	0.001151	± 2.5	PASS
		VN	-20	-1.17	-0.000667	± 2.5	PASS
		VN	-10	3.86	0.002200	± 2.5	PASS
		VN	0	3.65	0.002081	± 2.5	PASS
		VN	10	2.03	0.001157	± 2.5	PASS
		VN	20	1.23	0.000701	± 2.5	PASS
		VN	30	-0.02	-0.000011	± 2.5	PASS
		VN	40	3.2	0.001824	± 2.5	PASS
		VN	50	0.38	0.000217	± 2.5	PASS
16QAM	LCH	VN	-30	1.89	0.001105	± 2.5	PASS
		VN	-20	-1.76	-0.001029	± 2.5	PASS
		VN	-10	-1.54	-0.000900	± 2.5	PASS
		VN	0	0.92	0.000538	± 2.5	PASS
		VN	10	2.18	0.001274	± 2.5	PASS
		VN	20	-1.98	-0.001157	± 2.5	PASS
		VN	30	-1.53	-0.000894	± 2.5	PASS
		VN	40	2.56	0.001496	± 2.5	PASS
		VN	50	2.4	0.001403	± 2.5	PASS
	MCH	VN	-30	-0.66	-0.000376	± 2.5	PASS
		VN	-20	0.69	0.000393	± 2.5	PASS
		VN	-10	0.42	0.000239	± 2.5	PASS
		VN	0	4.37	0.002491	± 2.5	PASS
		VN	10	-1.73	-0.000986	± 2.5	PASS
		VN	20	1.51	0.000861	± 2.5	PASS
		VN	30	-0.66	-0.000376	± 2.5	PASS
		VN	40	-1.58	-0.000901	± 2.5	PASS
		VN	50	-0.36	-0.000205	± 2.5	PASS
	HCH	VN	-30	0.94	0.000536	± 2.5	PASS
		VN	-20	-1.46	-0.000832	± 2.5	PASS
		VN	-10	1.66	0.000946	± 2.5	PASS
		VN	0	4.68	0.002668	± 2.5	PASS
		VN	10	0.67	0.000382	± 2.5	PASS
		VN	20	0.59	0.000336	± 2.5	PASS
		VN	30	-0.63	-0.000359	± 2.5	PASS

		VN	40	-0.78	-0.000445	± 2.5	PASS
		VN	50	3.46	0.001972	± 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	-1.54	-0.000900	± 2.5	PASS
		VN	TN	0.81	0.000473	± 2.5	PASS
		VH	TN	-0.19	-0.000111	± 2.5	PASS
	MCH	VL	TN	-1.1	-0.000635	± 2.5	PASS
		VN	TN	2.33	0.001345	± 2.5	PASS
		VH	TN	-1.2	-0.000693	± 2.5	PASS
	HCH	VL	TN	2.61	0.001488	± 2.5	PASS
		VN	TN	-1.12	-0.000639	± 2.5	PASS
		VH	TN	4.18	0.002384	± 2.5	PASS
16QAM	LCH	VL	TN	0.56	0.000327	± 2.5	PASS
		VN	TN	-1.8	-0.001052	± 2.5	PASS
		VH	TN	2.82	0.001648	± 2.5	PASS
	MCH	VL	TN	-1.81	-0.001045	± 2.5	PASS
		VN	TN	3.16	0.001824	± 2.5	PASS
		VH	TN	4.99	0.002880	± 2.5	PASS
	HCH	VL	TN	1.1	0.000627	± 2.5	PASS
		VN	TN	4.98	0.002840	± 2.5	PASS
		VH	TN	-0.06	-0.000034	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.65	0.001548	± 2.5	PASS
		VN	-20	3.7	0.002162	± 2.5	PASS
		VN	-10	3.12	0.001823	± 2.5	PASS
		VN	0	-1.73	-0.001011	± 2.5	PASS
		VN	10	4.88	0.002851	± 2.5	PASS
		VN	20	1.11	0.000649	± 2.5	PASS
		VN	30	-0.64	-0.000374	± 2.5	PASS
		VN	40	1.89	0.001104	± 2.5	PASS
		VN	50	2.49	0.001455	± 2.5	PASS
	MCH	VN	-30	1.21	0.000698	± 2.5	PASS
		VN	-20	-0.46	-0.000266	± 2.5	PASS
		VN	-10	-0.99	-0.000571	± 2.5	PASS

		VN	0	1.01	0.000583	± 2.5	PASS
		VN	10	4.58	0.002644	± 2.5	PASS
		VN	20	0.2	0.000115	± 2.5	PASS
		VN	30	-1.35	-0.000779	± 2.5	PASS
		VN	40	2.97	0.001714	± 2.5	PASS
		VN	50	1.41	0.000814	± 2.5	PASS
	HCH	VN	-30	-0.54	-0.000308	± 2.5	PASS
		VN	-20	1.01	0.000576	± 2.5	PASS
		VN	-10	-1.56	-0.000890	± 2.5	PASS
		VN	0	-1.1	-0.000627	± 2.5	PASS
		VN	10	4.93	0.002812	± 2.5	PASS
		VN	20	-0.94	-0.000536	± 2.5	PASS
		VN	30	1.93	0.001101	± 2.5	PASS
		VN	40	1.61	0.000918	± 2.5	PASS
		VN	50	2.35	0.001340	± 2.5	PASS
16QAM	LCH	VN	-30	-1.82	-0.001051	± 2.5	PASS
		VN	-20	-0.48	-0.000277	± 2.5	PASS
		VN	-10	0.96	0.000554	± 2.5	PASS
		VN	0	-0.44	-0.000254	± 2.5	PASS
		VN	10	2.34	0.001351	± 2.5	PASS
		VN	20	2.41	0.001391	± 2.5	PASS
		VN	30	-0.12	-0.000069	± 2.5	PASS
		VN	40	0.11	0.000063	± 2.5	PASS
		VN	50	-0.85	-0.000491	± 2.5	PASS
	MCH	VN	-30	1.01	0.000576	± 2.5	PASS
		VN	-20	4.02	0.002293	± 2.5	PASS
		VN	-10	-0.07	-0.000040	± 2.5	PASS
		VN	0	4.29	0.002447	± 2.5	PASS
		VN	10	4.7	0.002680	± 2.5	PASS
		VN	20	0.43	0.000245	± 2.5	PASS
		VN	30	4.14	0.002361	± 2.5	PASS
		VN	40	2.41	0.001374	± 2.5	PASS
		VN	50	-1.99	-0.001135	± 2.5	PASS
	HCH	VN	-30	-0.16	-0.000091	± 2.5	PASS
		VN	-20	-1.02	-0.000582	± 2.5	PASS
		VN	-10	-0.18	-0.000103	± 2.5	PASS
		VN	0	2.02	0.001152	± 2.5	PASS
		VN	10	-1.64	-0.000935	± 2.5	PASS
		VN	20	0.68	0.000388	± 2.5	PASS
		VN	30	-0.61	-0.000348	± 2.5	PASS
		VN	40	3.09	0.001762	± 2.5	PASS

		VN	50	-1.6	-0.000912	± 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	2.47	0.001442	± 2.5	PASS
		VN	TN	-1.76	-0.001028	± 2.5	PASS
		VH	TN	0.55	0.000321	± 2.5	PASS
	MCH	VL	TN	-1.81	-0.001045	± 2.5	PASS
		VN	TN	3.27	0.001887	± 2.5	PASS
		VH	TN	1.25	0.000722	± 2.5	PASS
	HCH	VL	TN	2.04	0.001164	± 2.5	PASS
		VN	TN	-1.28	-0.000730	± 2.5	PASS
		VH	TN	4.84	0.002762	± 2.5	PASS
16QAM	LCH	VL	TN	-1.43	-0.000835	± 2.5	PASS
		VN	TN	0.32	0.000187	± 2.5	PASS
		VH	TN	3.63	0.002120	± 2.5	PASS
	MCH	VL	TN	2.16	0.001247	± 2.5	PASS
		VN	TN	2.21	0.001276	± 2.5	PASS
		VH	TN	3.07	0.001772	± 2.5	PASS
	HCH	VL	TN	-0.22	-0.000126	± 2.5	PASS
		VN	TN	-0.54	-0.000308	± 2.5	PASS
		VH	TN	1.47	0.000839	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.87	0.001676	± 2.5	PASS
		VN	-20	3.09	0.001804	± 2.5	PASS
		VN	-10	0.24	0.000140	± 2.5	PASS
		VN	0	1.84	0.001074	± 2.5	PASS
		VN	10	2.75	0.001606	± 2.5	PASS
		VN	20	2.33	0.001361	± 2.5	PASS
		VN	30	-0.32	-0.000187	± 2.5	PASS
		VN	40	-1.79	-0.001045	± 2.5	PASS
		VN	50	2.92	0.001705	± 2.5	PASS
	MCH	VN	-30	-1.92	-0.001108	± 2.5	PASS
		VN	-20	1.8	0.001039	± 2.5	PASS
		VN	-10	-0.26	-0.000150	± 2.5	PASS
		VN	0	-0.88	-0.000508	± 2.5	PASS

		VN	10	3.85	0.002222	± 2.5	PASS
		VN	20	3.53	0.002038	± 2.5	PASS
		VN	30	0.47	0.000271	± 2.5	PASS
		VN	40	-1.63	-0.000941	± 2.5	PASS
		VN	50	1.32	0.000762	± 2.5	PASS
	HCH	VN	-30	-0.95	-0.000542	± 2.5	PASS
		VN	-20	2.92	0.001531	± 2.5	PASS
		VN	-10	4.91	0.002574	± 2.5	PASS
		VN	0	-0.05	-0.000026	± 2.5	PASS
		VN	10	-1.28	-0.000671	± 2.5	PASS
		VN	20	-0.68	-0.000356	± 2.5	PASS
		VN	30	2.98	0.001562	± 2.5	PASS
		VN	40	2.06	0.001080	± 2.5	PASS
		VN	50	4.82	0.002527	± 2.5	PASS
		VN	-30	3.22	0.001859	± 2.5	PASS
16QAM	LCH	VN	-20	2.22	0.001281	± 2.5	PASS
		VN	-10	3.48	0.002009	± 2.5	PASS
		VN	0	2.16	0.001247	± 2.5	PASS
		VN	10	-0.29	-0.000167	± 2.5	PASS
		VN	20	2.42	0.001397	± 2.5	PASS
		VN	30	-1.54	-0.000889	± 2.5	PASS
		VN	40	1.28	0.000739	± 2.5	PASS
		VN	50	-1	-0.000577	± 2.5	PASS
	MCH	VN	-30	4.75	0.002710	± 2.5	PASS
		VN	-20	-0.63	-0.000359	± 2.5	PASS
		VN	-10	-0.24	-0.000137	± 2.5	PASS
		VN	0	2.36	0.001347	± 2.5	PASS
		VN	10	3.15	0.001797	± 2.5	PASS
		VN	20	3.67	0.002094	± 2.5	PASS
		VN	30	4	0.002282	± 2.5	PASS
		VN	40	-1.36	-0.000776	± 2.5	PASS
		VN	50	0.99	0.000565	± 2.5	PASS
	HCH	VN	-30	2.49	0.001305	± 2.5	PASS
		VN	-20	1.45	0.000760	± 2.5	PASS
		VN	-10	4.67	0.002448	± 2.5	PASS
		VN	0	0.68	0.000356	± 2.5	PASS
		VN	10	2.68	0.001405	± 2.5	PASS
		VN	20	-0.66	-0.000346	± 2.5	PASS
		VN	30	-1.77	-0.000928	± 2.5	PASS
		VN	40	-1.37	-0.000718	± 2.5	PASS
		VN	50	1.02	0.000535	± 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	3.95	0.002303	± 2.5	PASS
		VN	TN	2.96	0.001726	± 2.5	PASS
		VH	TN	-0.92	-0.000536	± 2.5	PASS
	MCH	VL	TN	2.06	0.001189	± 2.5	PASS
		VN	TN	4.9	0.002828	± 2.5	PASS
		VH	TN	0.85	0.000491	± 2.5	PASS
	HCH	VL	TN	4.68	0.002674	± 2.5	PASS
		VN	TN	0.46	0.000263	± 2.5	PASS
		VH	TN	1.39	0.000794	± 2.5	PASS
16QAM	LCH	VL	TN	4.49	0.002618	± 2.5	PASS
		VN	TN	2.16	0.001259	± 2.5	PASS
		VH	TN	-1.52	-0.000886	± 2.5	PASS
	MCH	VL	TN	1.34	0.000773	± 2.5	PASS
		VN	TN	-1.1	-0.000635	± 2.5	PASS
		VH	TN	-0.87	-0.000502	± 2.5	PASS
	HCH	VL	TN	2.02	0.001154	± 2.5	PASS
		VN	TN	2.84	0.001623	± 2.5	PASS
		VH	TN	3.55	0.002029	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	4.88	0.002845	± 2.5	PASS
		VN	-20	3.78	0.002204	± 2.5	PASS
		VN	-10	-1.25	-0.000729	± 2.5	PASS
		VN	0	2.96	0.001726	± 2.5	PASS
		VN	10	0.8	0.000466	± 2.5	PASS
		VN	20	2.63	0.001534	± 2.5	PASS
		VN	30	0.33	0.000192	± 2.5	PASS
		VN	40	0	0.000000	± 2.5	PASS
		VN	50	4.42	0.002577	± 2.5	PASS
	MCH	VN	-30	2.95	0.001703	± 2.5	PASS
		VN	-20	3.82	0.002205	± 2.5	PASS
		VN	-10	3.57	0.002061	± 2.5	PASS
		VN	0	1.1	0.000635	± 2.5	PASS
		VN	10	0.73	0.000421	± 2.5	PASS
		VN	20	-0.03	-0.000017	± 2.5	PASS

		VN	30	2.08	0.001201	± 2.5	PASS
		VN	40	-1.66	-0.000958	± 2.5	PASS
		VN	50	0.68	0.000392	± 2.5	PASS
	HCH	VN	-30	0.89	0.000509	± 2.5	PASS
		VN	-20	1.71	0.000977	± 2.5	PASS
		VN	-10	-1.6	-0.000914	± 2.5	PASS
		VN	0	4.29	0.002451	± 2.5	PASS
		VN	10	-1.78	-0.001017	± 2.5	PASS
		VN	20	0.79	0.000451	± 2.5	PASS
		VN	30	4.87	0.002783	± 2.5	PASS
		VN	40	1.8	0.001029	± 2.5	PASS
		VN	50	-1.63	-0.000931	± 2.5	PASS
QPSK	LCH	VN	-30	-0.21	-0.000121	± 2.5	PASS
		VN	-20	0.58	0.000335	± 2.5	PASS
		VN	-10	2.13	0.001229	± 2.5	PASS
		VN	0	4.95	0.002857	± 2.5	PASS
		VN	10	4.98	0.002874	± 2.5	PASS
		VN	20	2.89	0.001668	± 2.5	PASS
		VN	30	2.3	0.001328	± 2.5	PASS
		VN	40	4.09	0.002361	± 2.5	PASS
		VN	50	2.72	0.001570	± 2.5	PASS
	MCH	VN	-30	4.56	0.002606	± 2.5	PASS
		VN	-20	3.52	0.002011	± 2.5	PASS
		VN	-10	3.17	0.001811	± 2.5	PASS
		VN	0	1.97	0.001126	± 2.5	PASS
		VN	10	-1.5	-0.000857	± 2.5	PASS
		VN	20	2.49	0.001423	± 2.5	PASS
		VN	30	0.71	0.000406	± 2.5	PASS
		VN	40	2.52	0.001440	± 2.5	PASS
		VN	50	2.71	0.001549	± 2.5	PASS
	HCH	VN	-30	2.13	0.001217	± 2.5	PASS
		VN	-20	4.68	0.002674	± 2.5	PASS
		VN	-10	3.64	0.002080	± 2.5	PASS
		VN	0	1.22	0.000697	± 2.5	PASS
		VN	10	1.08	0.000617	± 2.5	PASS
		VN	20	0.27	0.000154	± 2.5	PASS
		VN	30	4.44	0.002537	± 2.5	PASS
		VN	40	2.05	0.001171	± 2.5	PASS
		VN	50	-1.4	-0.000800	± 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	3.37	0.001962	± 2.5	PASS
		VN	TN	0.83	0.000483	± 2.5	PASS
		VH	TN	2.61	0.001520	± 2.5	PASS
	MCH	VL	TN	-1.94	-0.001120	± 2.5	PASS
		VN	TN	3.31	0.001911	± 2.5	PASS
		VH	TN	2.11	0.001218	± 2.5	PASS
	HCH	VL	TN	4.4	0.002518	± 2.5	PASS
		VN	TN	-1.55	-0.000887	± 2.5	PASS
		VH	TN	1.75	0.001001	± 2.5	PASS
16QAM	LCH	VL	TN	1.85	0.001077	± 2.5	PASS
		VN	TN	2.03	0.001182	± 2.5	PASS
		VH	TN	4.48	0.002608	± 2.5	PASS
	MCH	VL	TN	-1.24	-0.000716	± 2.5	PASS
		VN	TN	1.94	0.001120	± 2.5	PASS
		VH	TN	4.73	0.002730	± 2.5	PASS
	HCH	VL	TN	1.46	0.000835	± 2.5	PASS
		VN	TN	4.78	0.002735	± 2.5	PASS
		VH	TN	2.86	0.001637	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.13	0.001822	± 2.5	PASS
		VN	-20	3.8	0.002213	± 2.5	PASS
		VN	-10	1.6	0.000932	± 2.5	PASS
		VN	0	3.74	0.002178	± 2.5	PASS
		VN	10	2.96	0.001723	± 2.5	PASS
		VN	20	3.96	0.002306	± 2.5	PASS
		VN	30	0.84	0.000489	± 2.5	PASS
		VN	40	-1.66	-0.000967	± 2.5	PASS
		VN	50	4.83	0.002812	± 2.5	PASS
	MCH	VN	-30	1.44	0.000831	± 2.5	PASS
		VN	-20	1.11	0.000641	± 2.5	PASS
		VN	-10	3.51	0.002026	± 2.5	PASS
		VN	0	4.51	0.002603	± 2.5	PASS
		VN	10	0.12	0.000069	± 2.5	PASS
		VN	20	2.64	0.001524	± 2.5	PASS

		VN	30	2.61	0.001506	± 2.5	PASS
		VN	40	2.33	0.001345	± 2.5	PASS
		VN	50	-1.59	-0.000918	± 2.5	PASS
	HCH	VN	-30	0.43	0.000246	± 2.5	PASS
		VN	-20	3.51	0.002009	± 2.5	PASS
		VN	-10	1.97	0.001127	± 2.5	PASS
		VN	0	2.9	0.001660	± 2.5	PASS
		VN	10	4.9	0.002804	± 2.5	PASS
		VN	20	0.2	0.000114	± 2.5	PASS
		VN	30	2.47	0.001413	± 2.5	PASS
		VN	40	3.87	0.002215	± 2.5	PASS
		VN	50	-1.38	-0.000790	± 2.5	PASS
16QAM	LCH	VN	-30	0.48	0.000277	± 2.5	PASS
		VN	-20	4.65	0.002684	± 2.5	PASS
		VN	-10	-0.99	-0.000571	± 2.5	PASS
		VN	0	-0.5	-0.000289	± 2.5	PASS
		VN	10	2.01	0.001160	± 2.5	PASS
		VN	20	4.09	0.002361	± 2.5	PASS
		VN	30	1.68	0.000970	± 2.5	PASS
		VN	40	-1.69	-0.000975	± 2.5	PASS
		VN	50	0.1	0.000058	± 2.5	PASS
	MCH	VN	-30	3.05	0.001745	± 2.5	PASS
		VN	-20	3.93	0.002249	± 2.5	PASS
		VN	-10	-0.38	-0.000217	± 2.5	PASS
		VN	0	3.14	0.001797	± 2.5	PASS
		VN	10	0.89	0.000509	± 2.5	PASS
		VN	20	-1.25	-0.000715	± 2.5	PASS
		VN	30	0.58	0.000332	± 2.5	PASS
		VN	40	-0.37	-0.000212	± 2.5	PASS
		VN	50	2.07	0.001185	± 2.5	PASS
	HCH	VN	-30	-1.74	-0.000996	± 2.5	PASS
		VN	-20	2.31	0.001322	± 2.5	PASS
		VN	-10	4.4	0.002518	± 2.5	PASS
		VN	0	-1.76	-0.001007	± 2.5	PASS
		VN	10	1.91	0.001093	± 2.5	PASS
		VN	20	1.07	0.000612	± 2.5	PASS
		VN	30	3.79	0.002169	± 2.5	PASS
		VN	40	0.36	0.000206	± 2.5	PASS
		VN	50	3.83	0.002192	± 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	0.93	0.000541	± 2.5	PASS
		VN	TN	2.96	0.001721	± 2.5	PASS
		VH	TN	-1.91	-0.001110	± 2.5	PASS
	MCH	VL	TN	-1.89	-0.001091	± 2.5	PASS
		VN	TN	2.96	0.001709	± 2.5	PASS
		VH	TN	0.92	0.000531	± 2.5	PASS
	HCH	VL	TN	-1.53	-0.000877	± 2.5	PASS
		VN	TN	-1.02	-0.000585	± 2.5	PASS
		VH	TN	3.81	0.002183	± 2.5	PASS
16QAM	LCH	VL	TN	4.42	0.002570	± 2.5	PASS
		VN	TN	-1.95	-0.001134	± 2.5	PASS
		VH	TN	1.56	0.000907	± 2.5	PASS
	MCH	VL	TN	0.17	0.000098	± 2.5	PASS
		VN	TN	3.04	0.001755	± 2.5	PASS
		VH	TN	4.45	0.002569	± 2.5	PASS
	HCH	VL	TN	2.98	0.001708	± 2.5	PASS
		VN	TN	4.92	0.002819	± 2.5	PASS
		VH	TN	3.08	0.001765	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.82	0.000477	± 2.5	PASS
		VN	-20	-1.88	-0.001093	± 2.5	PASS
		VN	-10	4.27	0.002483	± 2.5	PASS
		VN	0	-1.73	-0.001006	± 2.5	PASS
		VN	10	0.6	0.000349	± 2.5	PASS
		VN	20	2.62	0.001523	± 2.5	PASS
		VN	30	-1.15	-0.000669	± 2.5	PASS
		VN	40	-0.39	-0.000227	± 2.5	PASS
		VN	50	2.66	0.001547	± 2.5	PASS
	MCH	VN	-30	3.03	0.001749	± 2.5	PASS
		VN	-20	-0.2	-0.000115	± 2.5	PASS
		VN	-10	0.73	0.000421	± 2.5	PASS
		VN	0	3.82	0.002205	± 2.5	PASS
		VN	10	2.28	0.001316	± 2.5	PASS
		VN	20	0.04	0.000023	± 2.5	PASS

		VN	30	1.55	0.000895	± 2.5	PASS
		VN	40	2.17	0.001253	± 2.5	PASS
		VN	50	4.61	0.002661	± 2.5	PASS
	HCH	VN	-30	3.36	0.001926	± 2.5	PASS
		VN	-20	0.88	0.000504	± 2.5	PASS
		VN	-10	-1.26	-0.000722	± 2.5	PASS
		VN	0	-0.43	-0.000246	± 2.5	PASS
		VN	10	1.12	0.000642	± 2.5	PASS
		VN	20	4.65	0.002665	± 2.5	PASS
		VN	30	3.3	0.001891	± 2.5	PASS
		VN	40	-1.86	-0.001066	± 2.5	PASS
		VN	50	-1.99	-0.001140	± 2.5	PASS
16QAM	LCH	VN	-30	1.89	0.001091	± 2.5	PASS
		VN	-20	0.37	0.000214	± 2.5	PASS
		VN	-10	2.67	0.001541	± 2.5	PASS
		VN	0	2.26	0.001304	± 2.5	PASS
		VN	10	3.49	0.002014	± 2.5	PASS
		VN	20	4.83	0.002788	± 2.5	PASS
		VN	30	-1.55	-0.000895	± 2.5	PASS
		VN	40	-0.84	-0.000485	± 2.5	PASS
		VN	50	3.05	0.001760	± 2.5	PASS
	MCH	VN	-30	-1.87	-0.001072	± 2.5	PASS
		VN	-20	1.37	0.000785	± 2.5	PASS
		VN	-10	-1.73	-0.000991	± 2.5	PASS
		VN	0	1.57	0.000900	± 2.5	PASS
		VN	10	4.04	0.002315	± 2.5	PASS
		VN	20	4.83	0.002768	± 2.5	PASS
		VN	30	2.07	0.001186	± 2.5	PASS
		VN	40	4.28	0.002453	± 2.5	PASS
		VN	50	-0.93	-0.000533	± 2.5	PASS
	HCH	VN	-30	4.01	0.002298	± 2.5	PASS
		VN	-20	-1.6	-0.000917	± 2.5	PASS
		VN	-10	-1.05	-0.000602	± 2.5	PASS
		VN	0	4.16	0.002384	± 2.5	PASS
		VN	10	0.77	0.000441	± 2.5	PASS
		VN	20	4.61	0.002642	± 2.5	PASS
		VN	30	2.1	0.001203	± 2.5	PASS
		VN	40	2.77	0.001587	± 2.5	PASS
		VN	50	2.41	0.001381	± 2.5	PASS