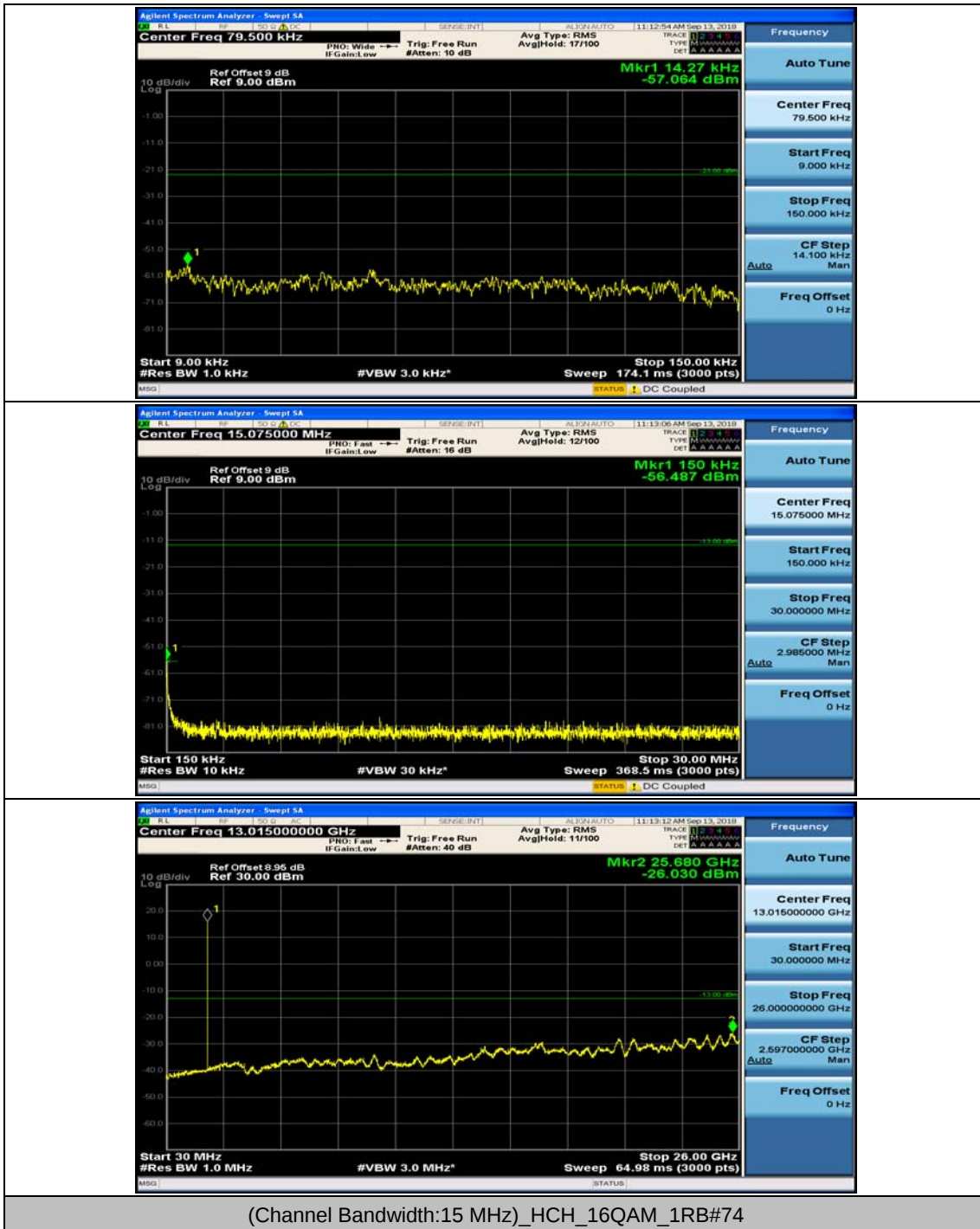
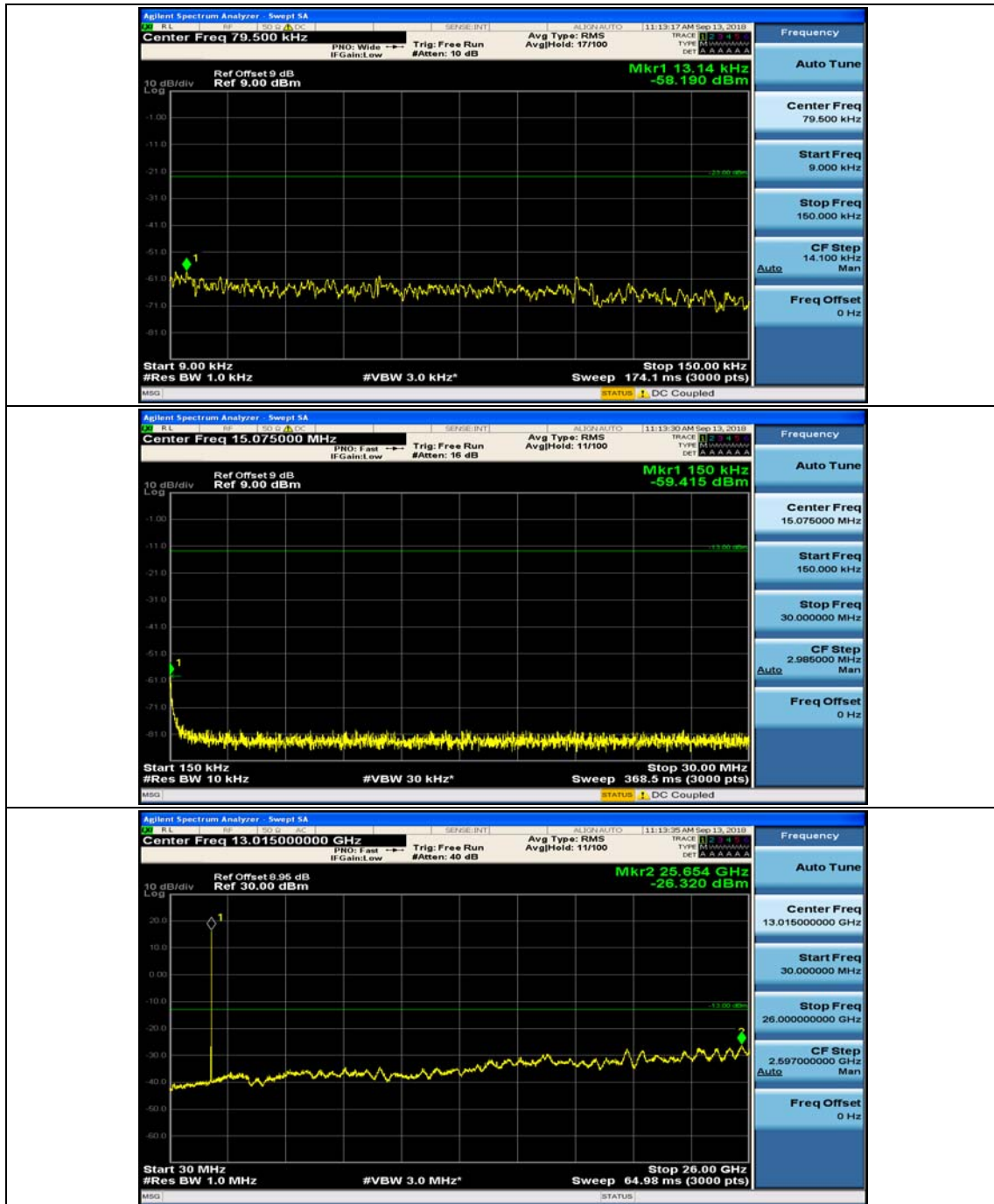
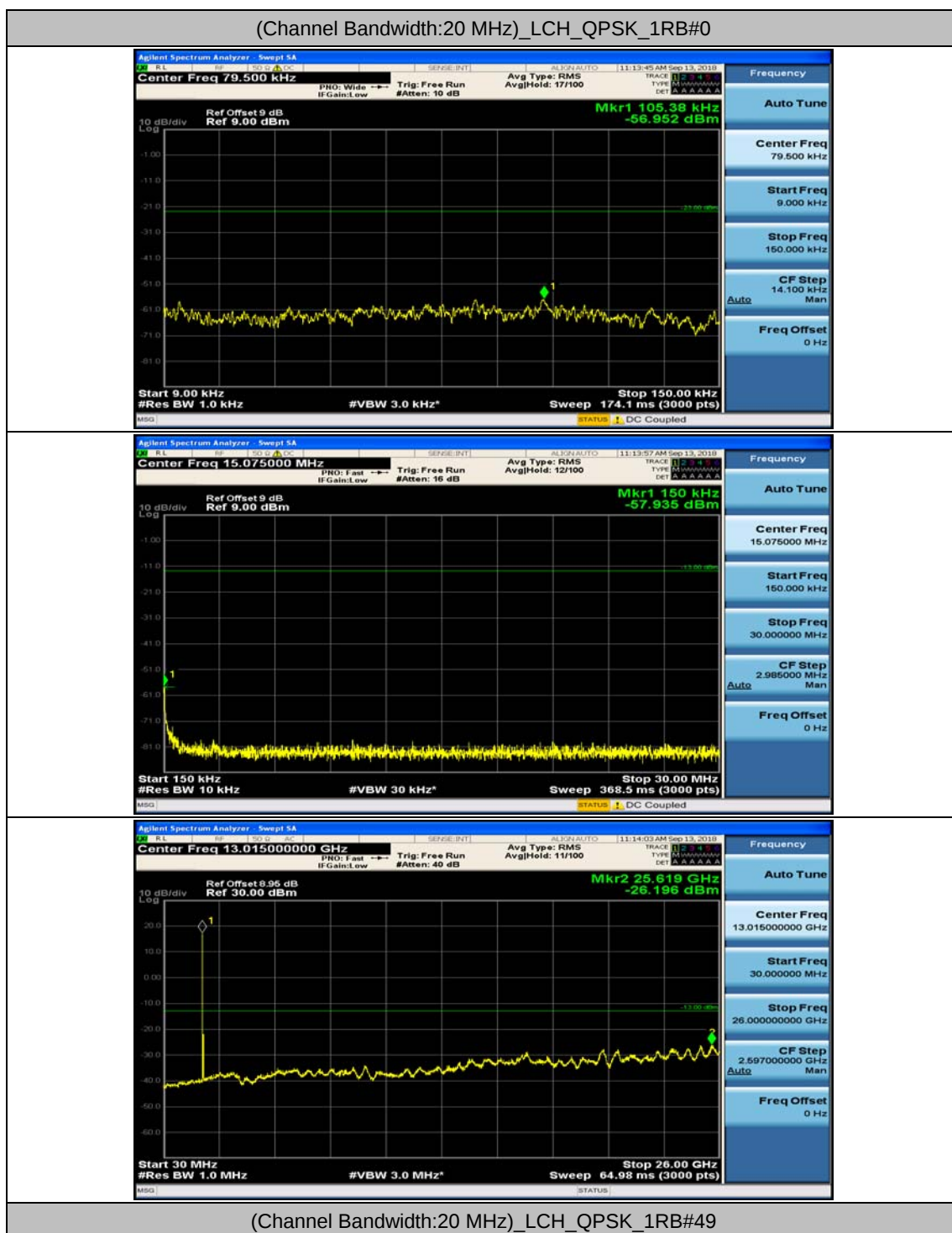
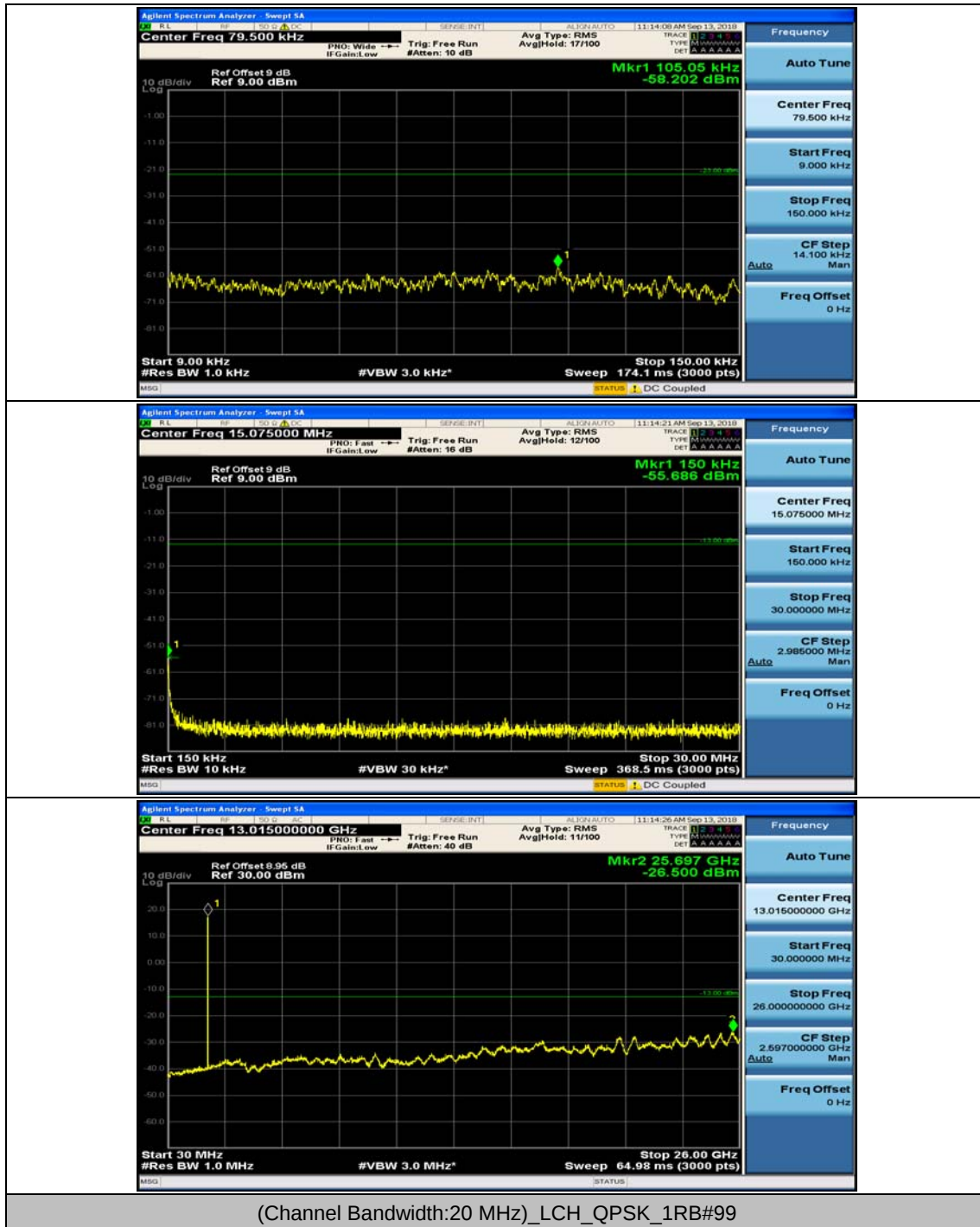


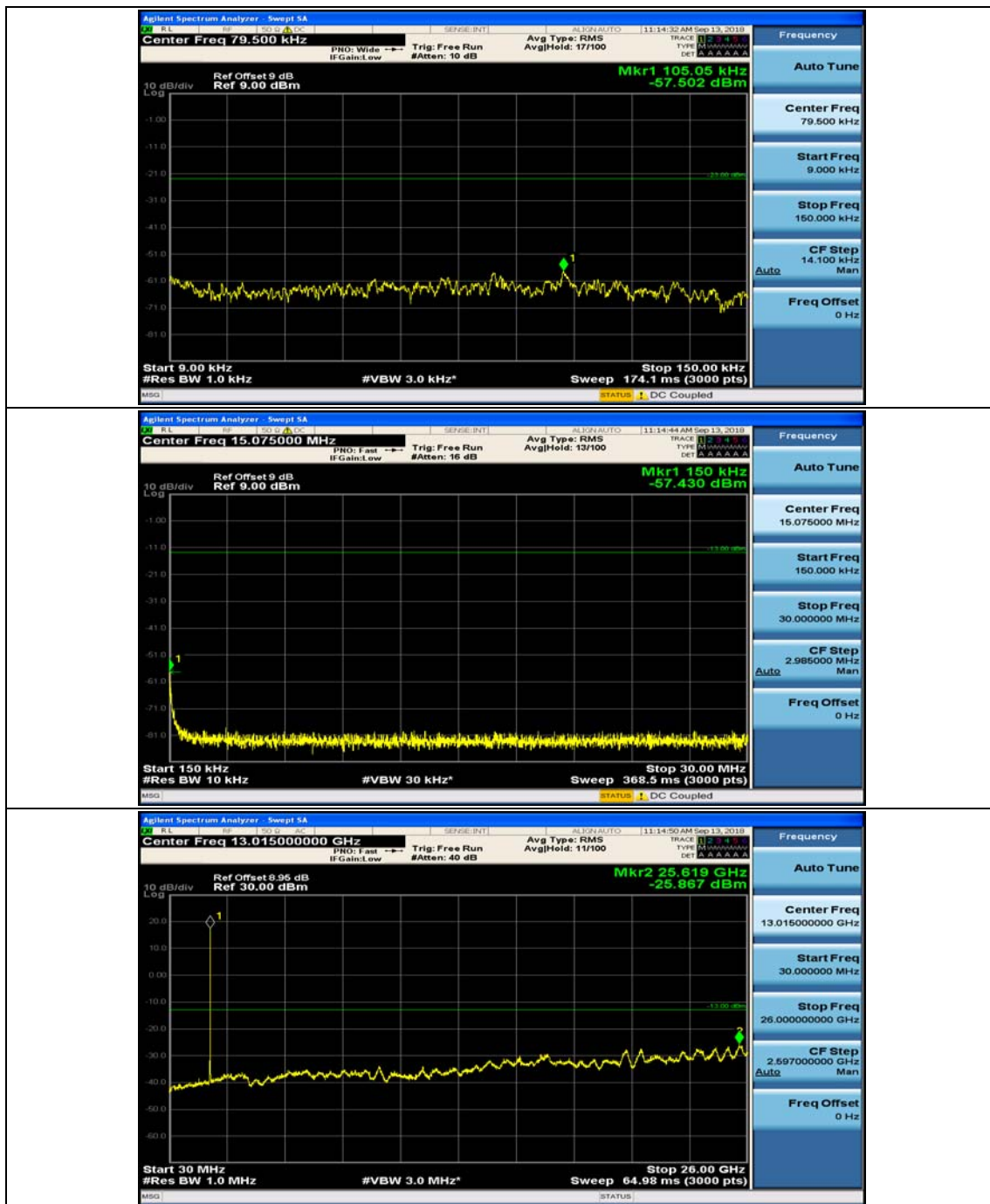




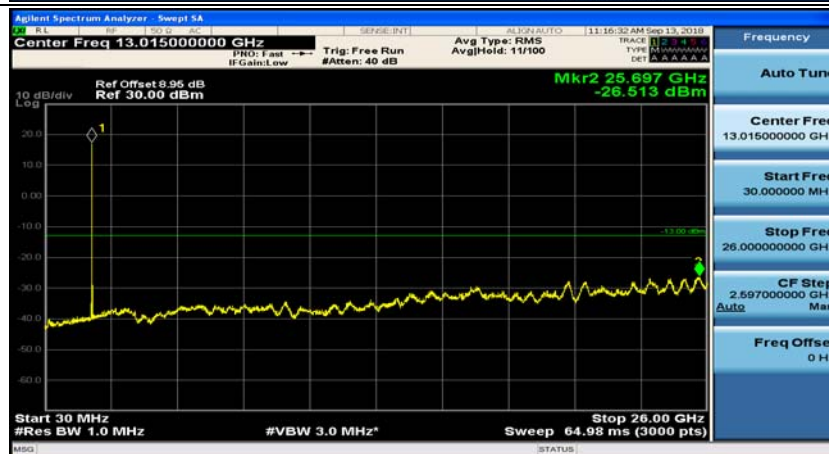
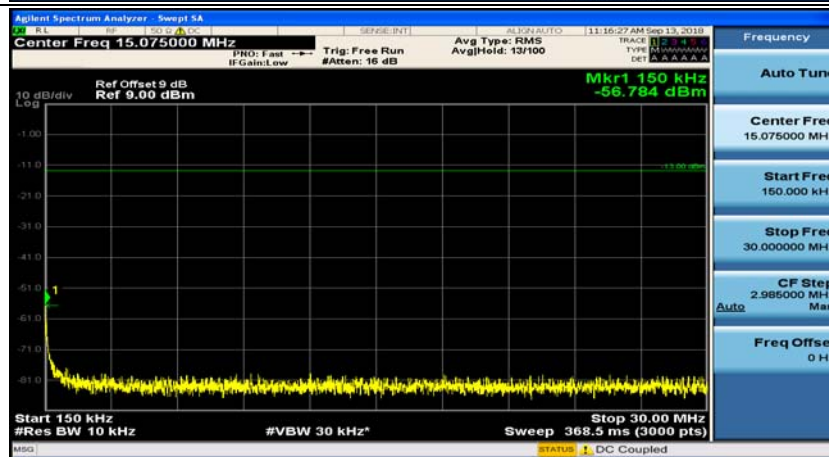
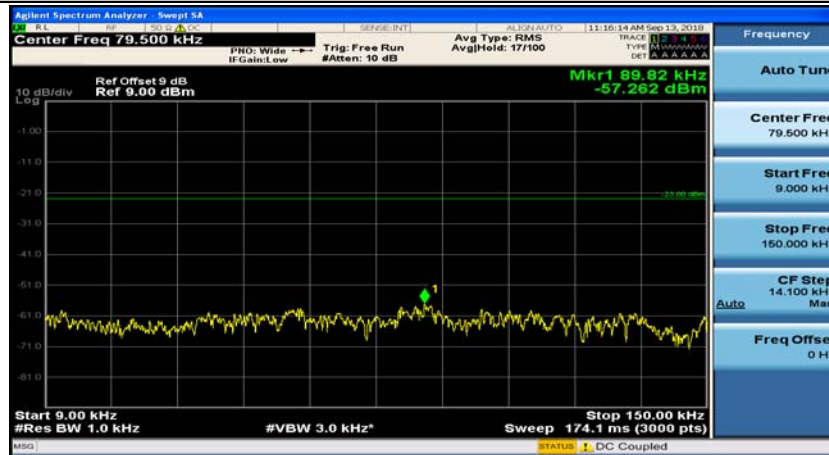
Channel Bandwidth: 20 MHz



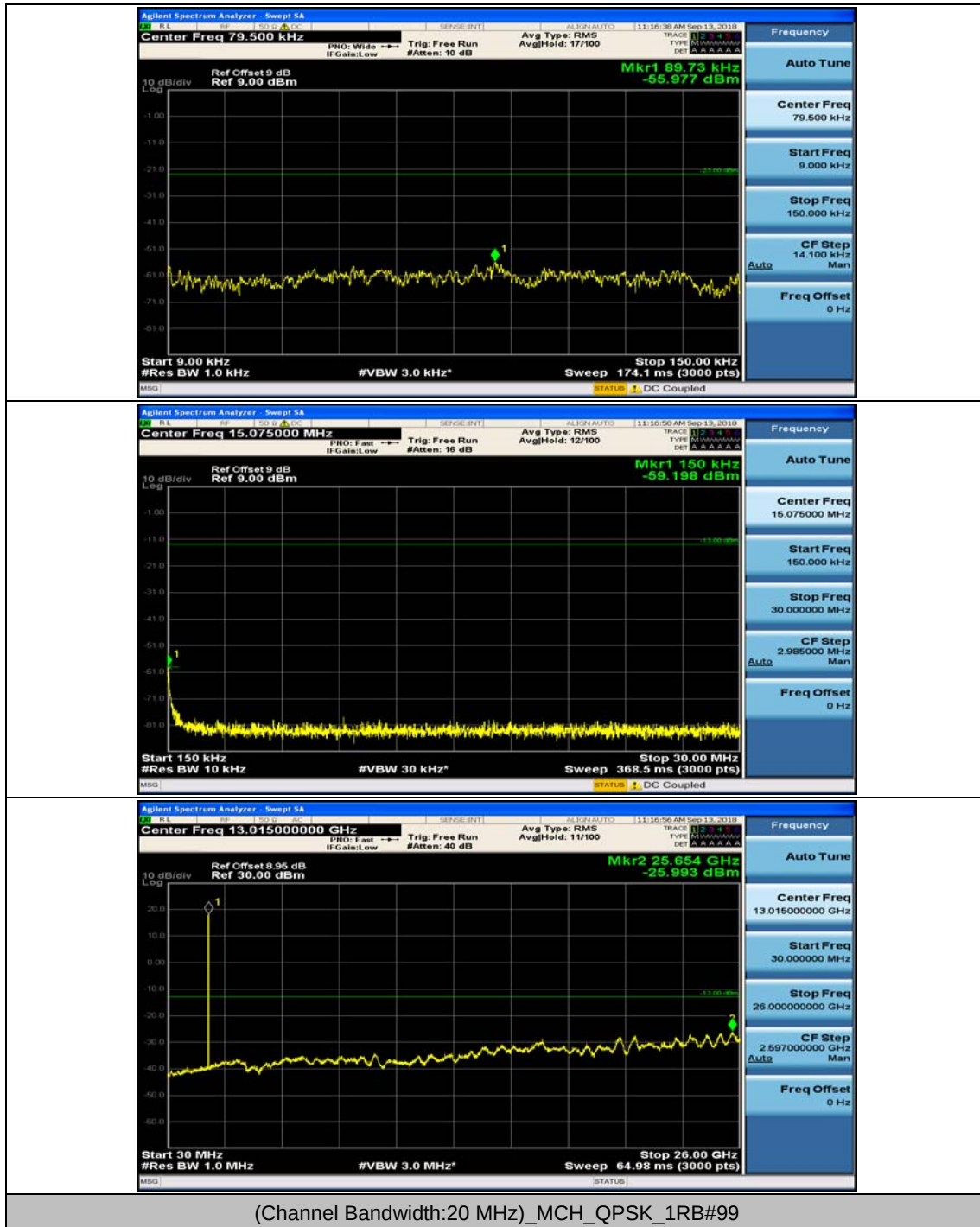


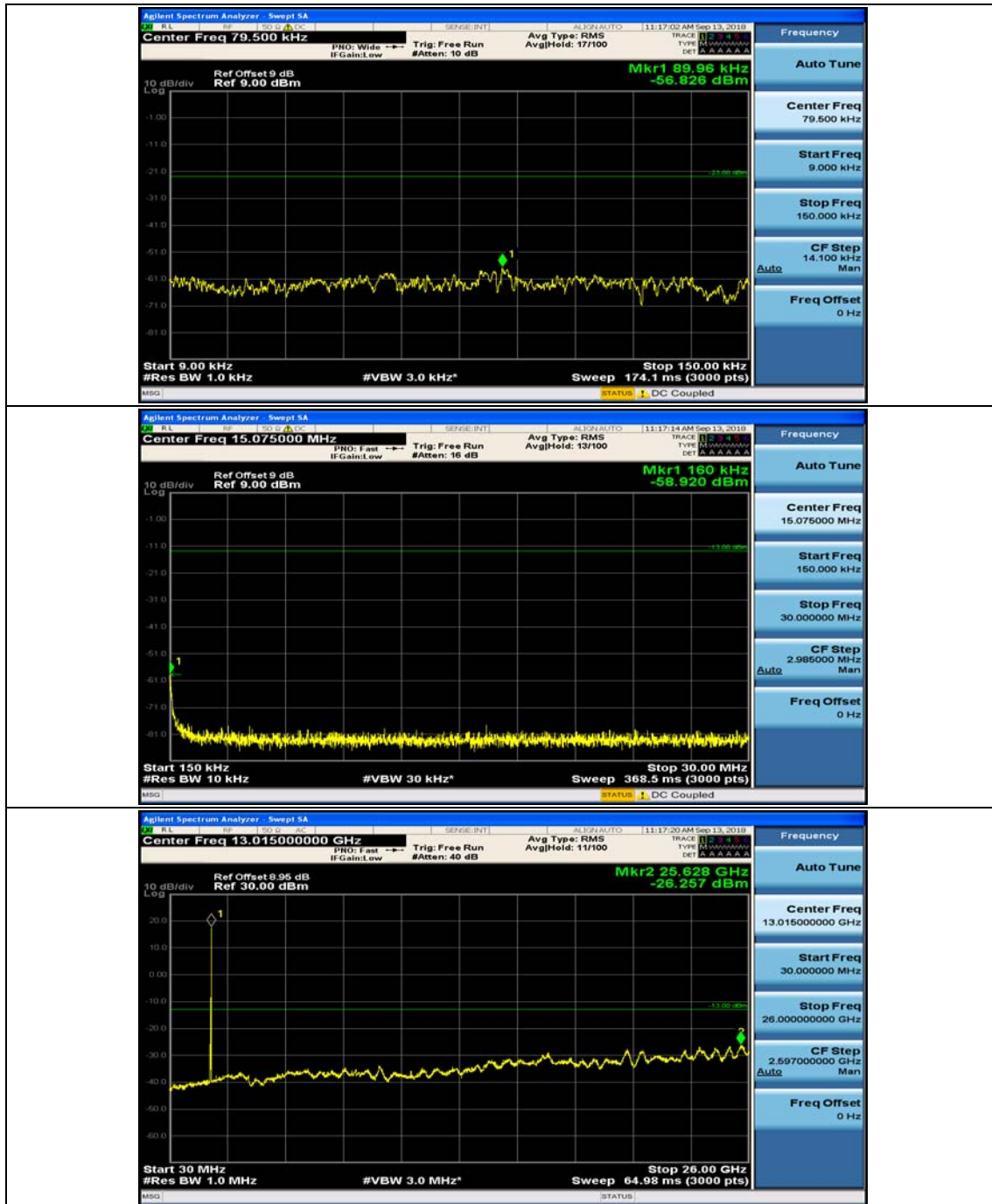


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

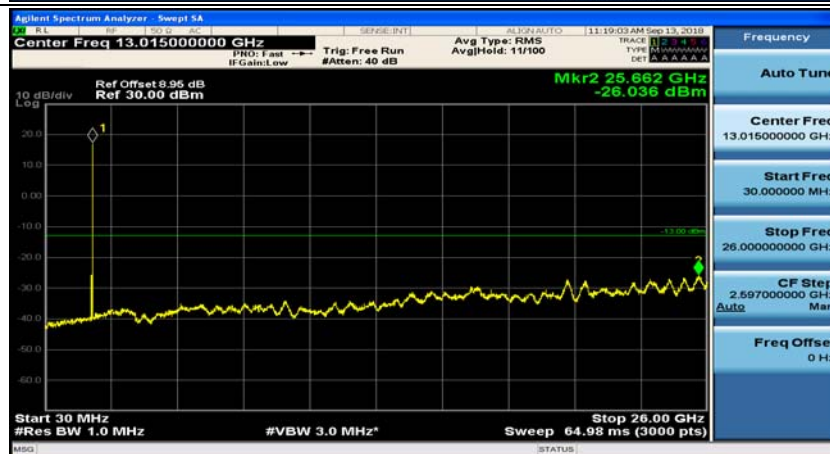
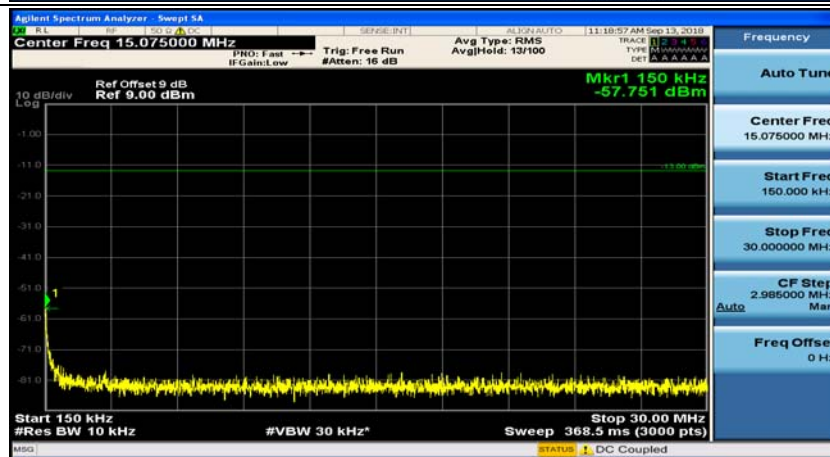
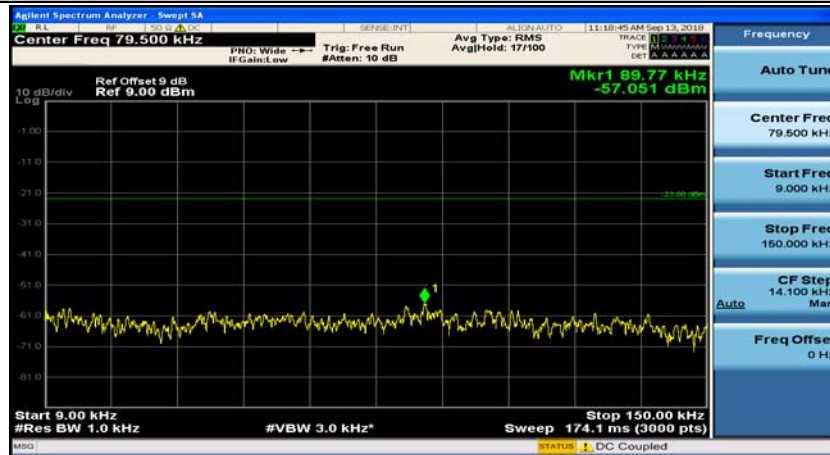


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

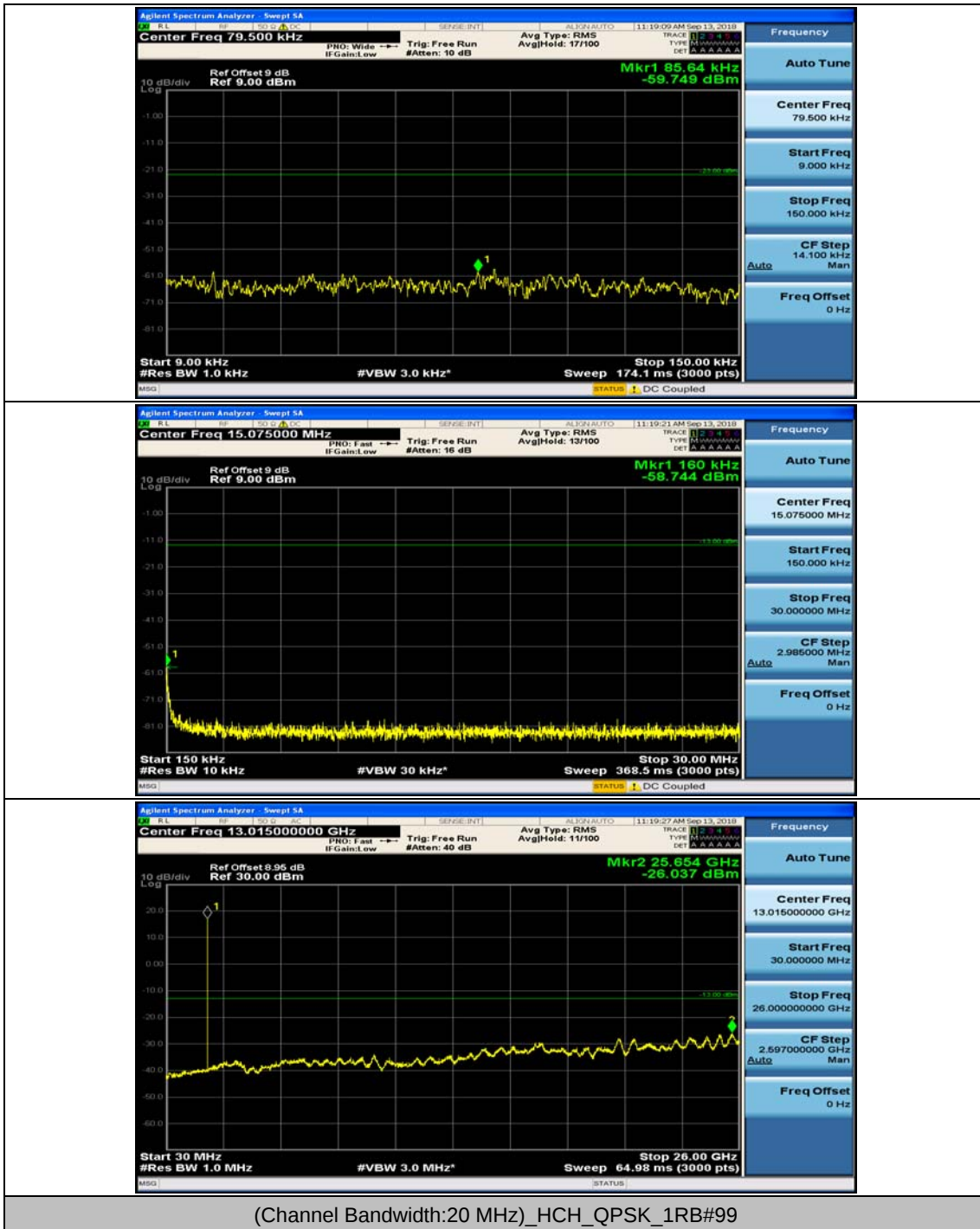


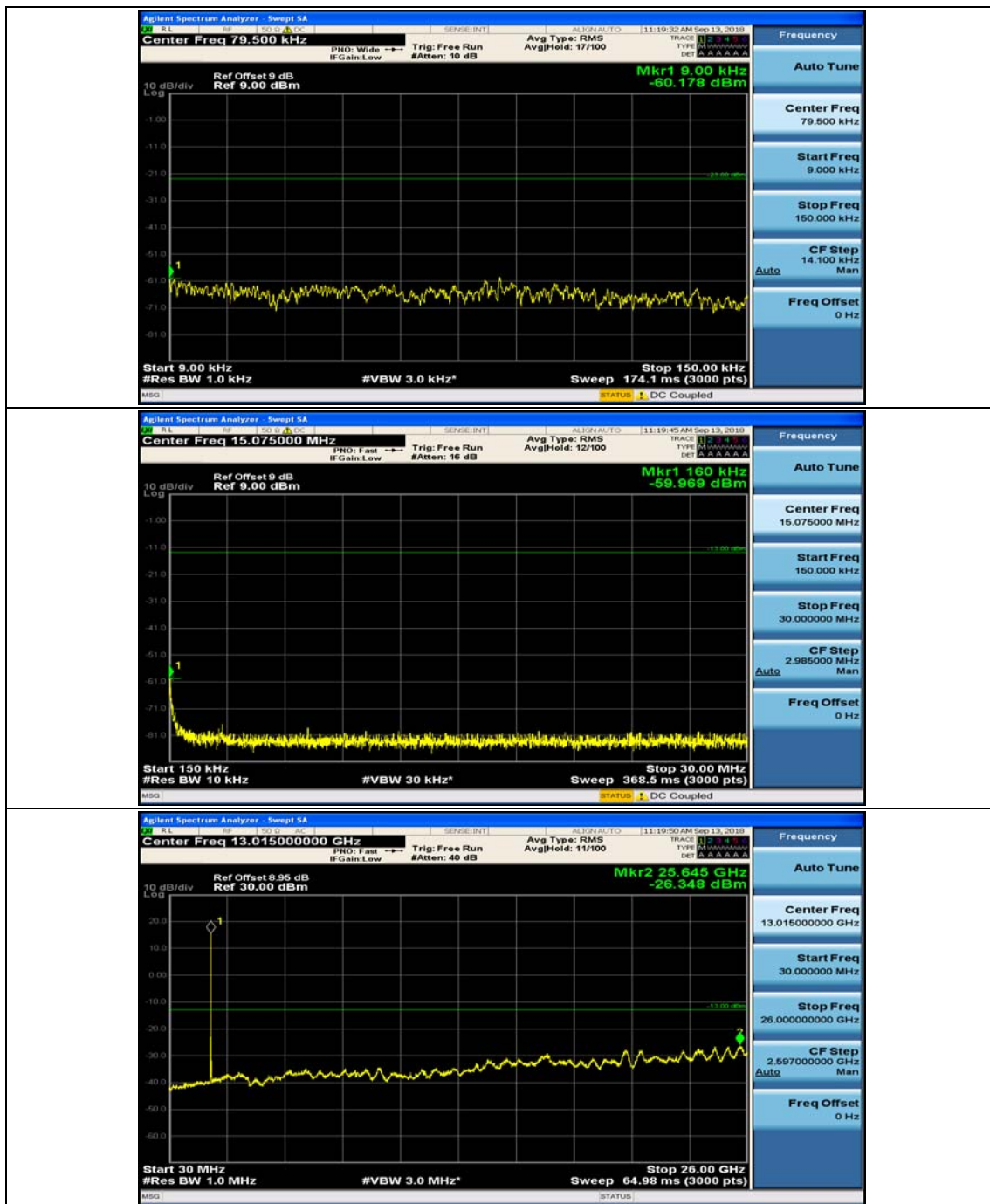


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

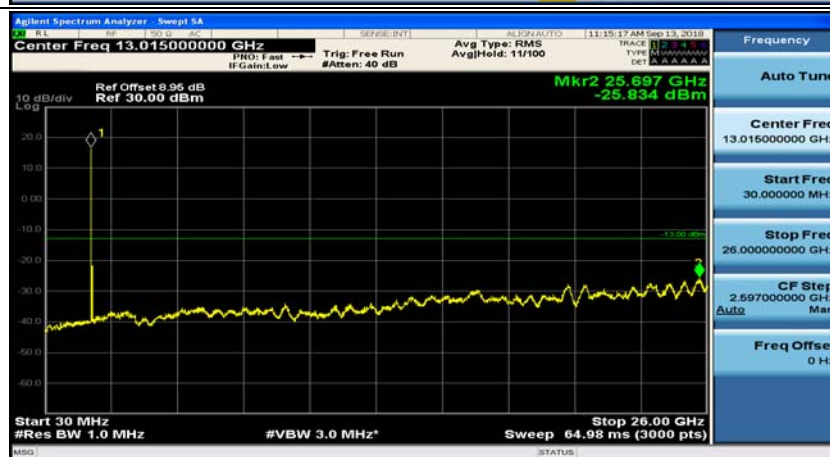
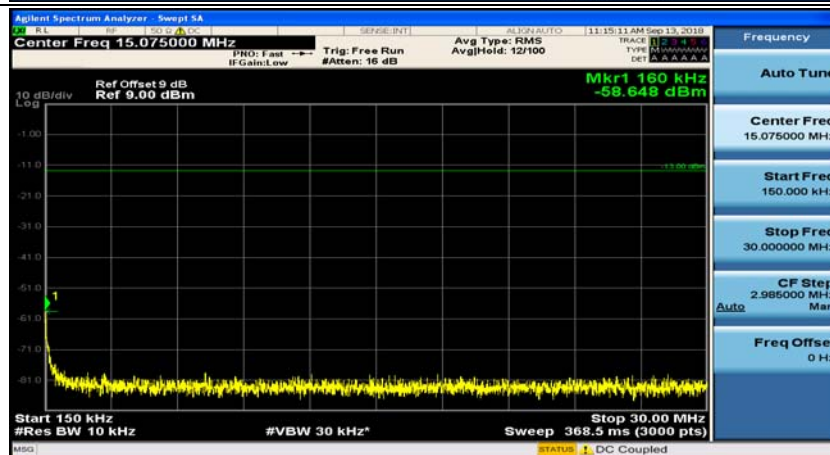


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

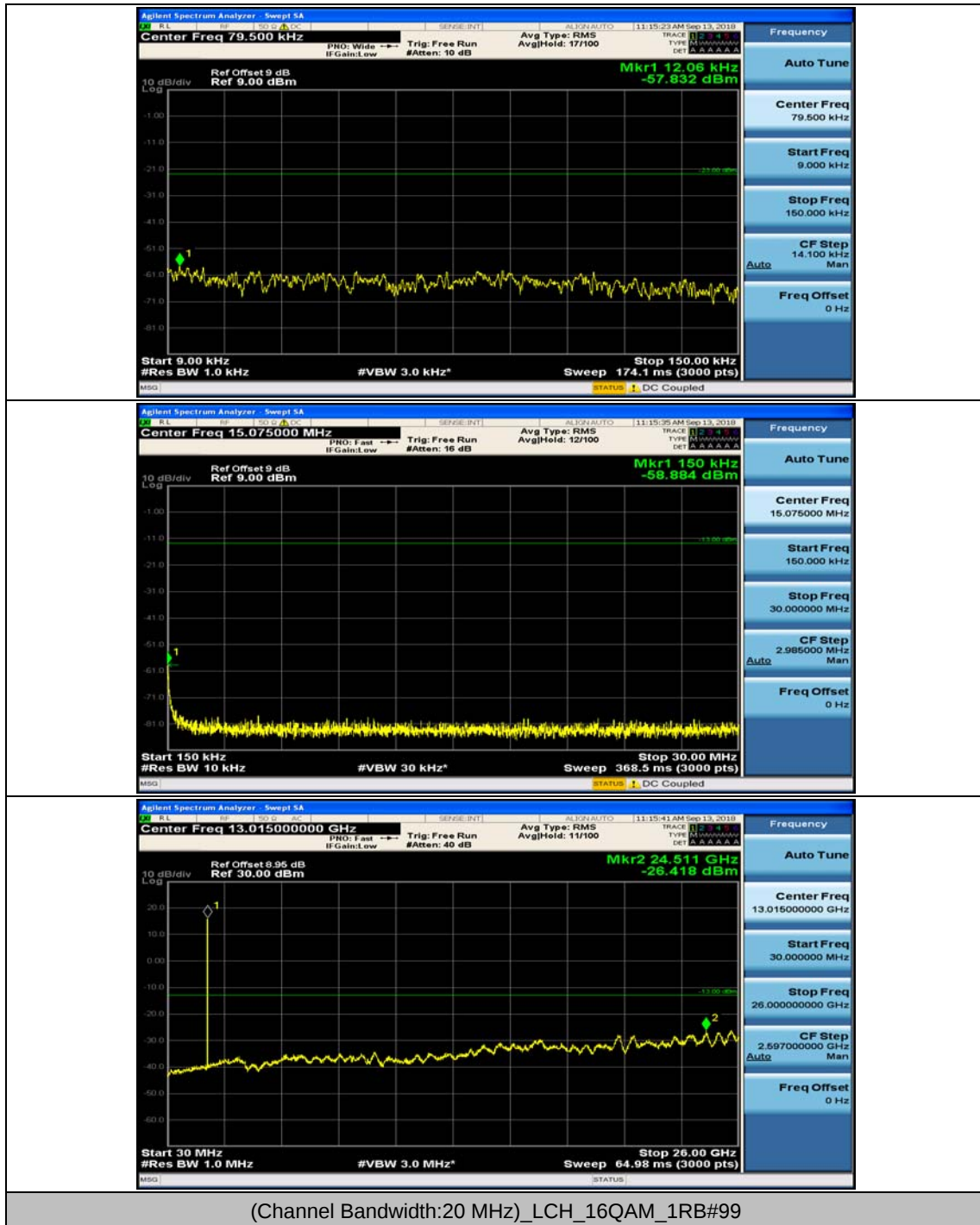


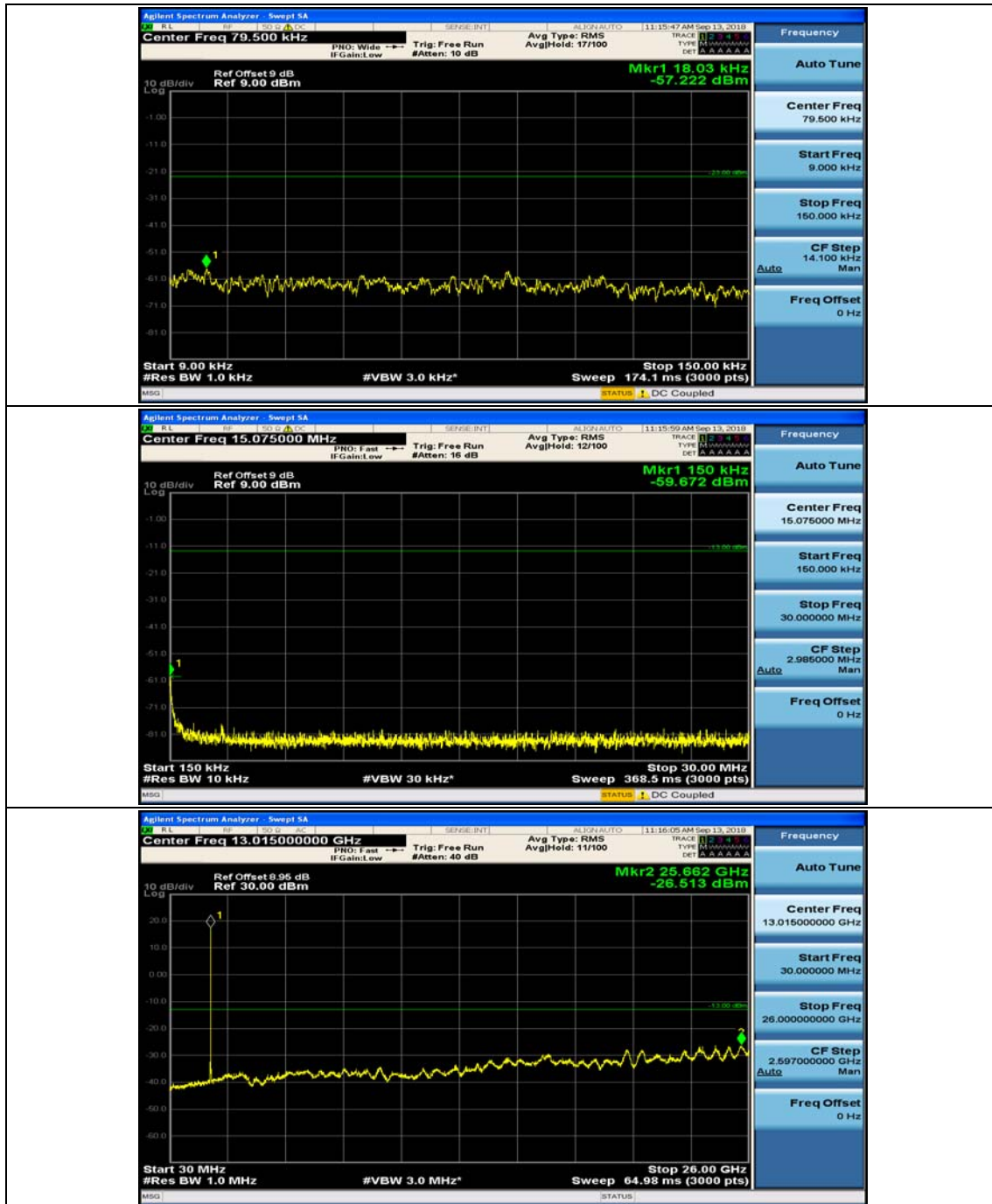


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

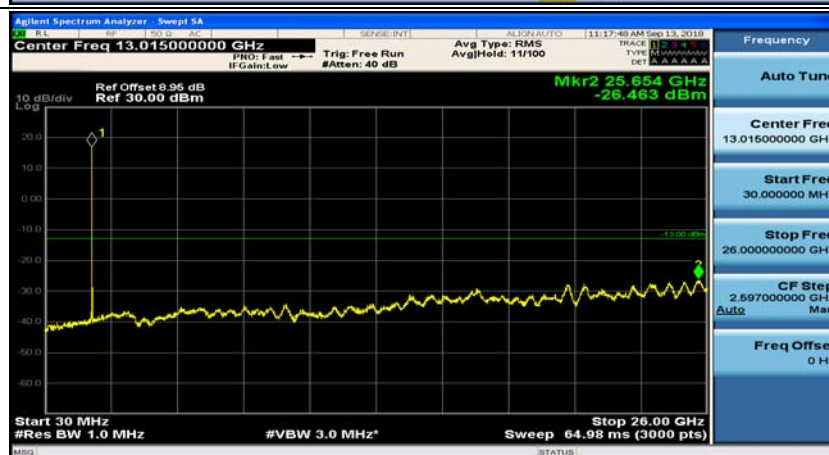
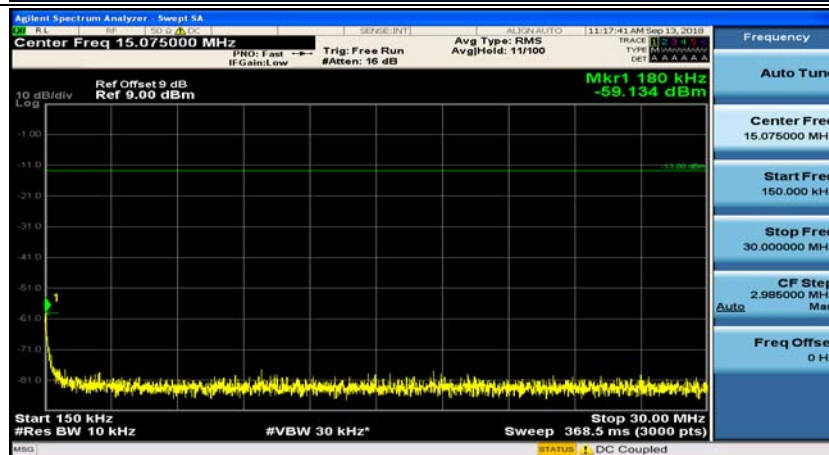


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

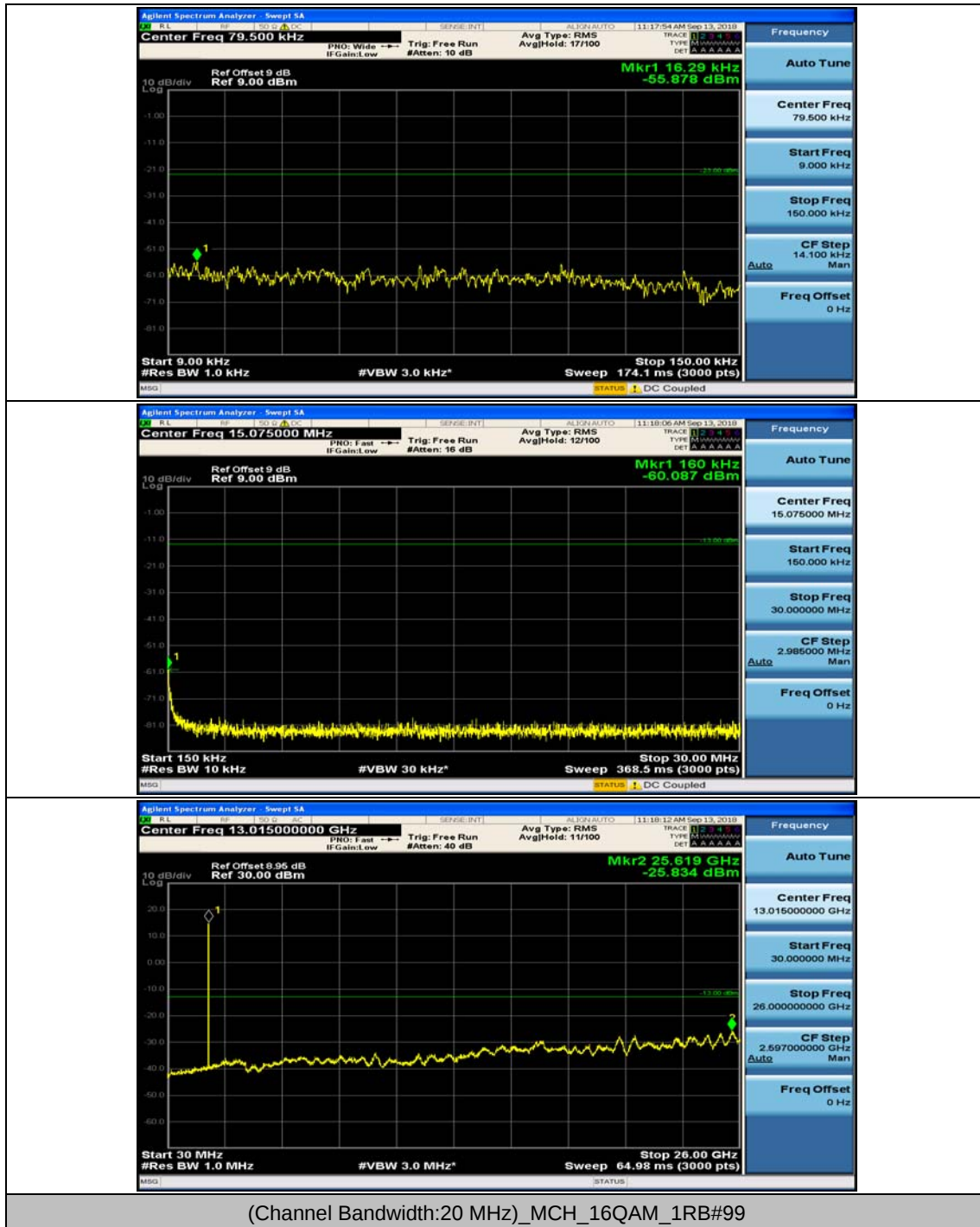


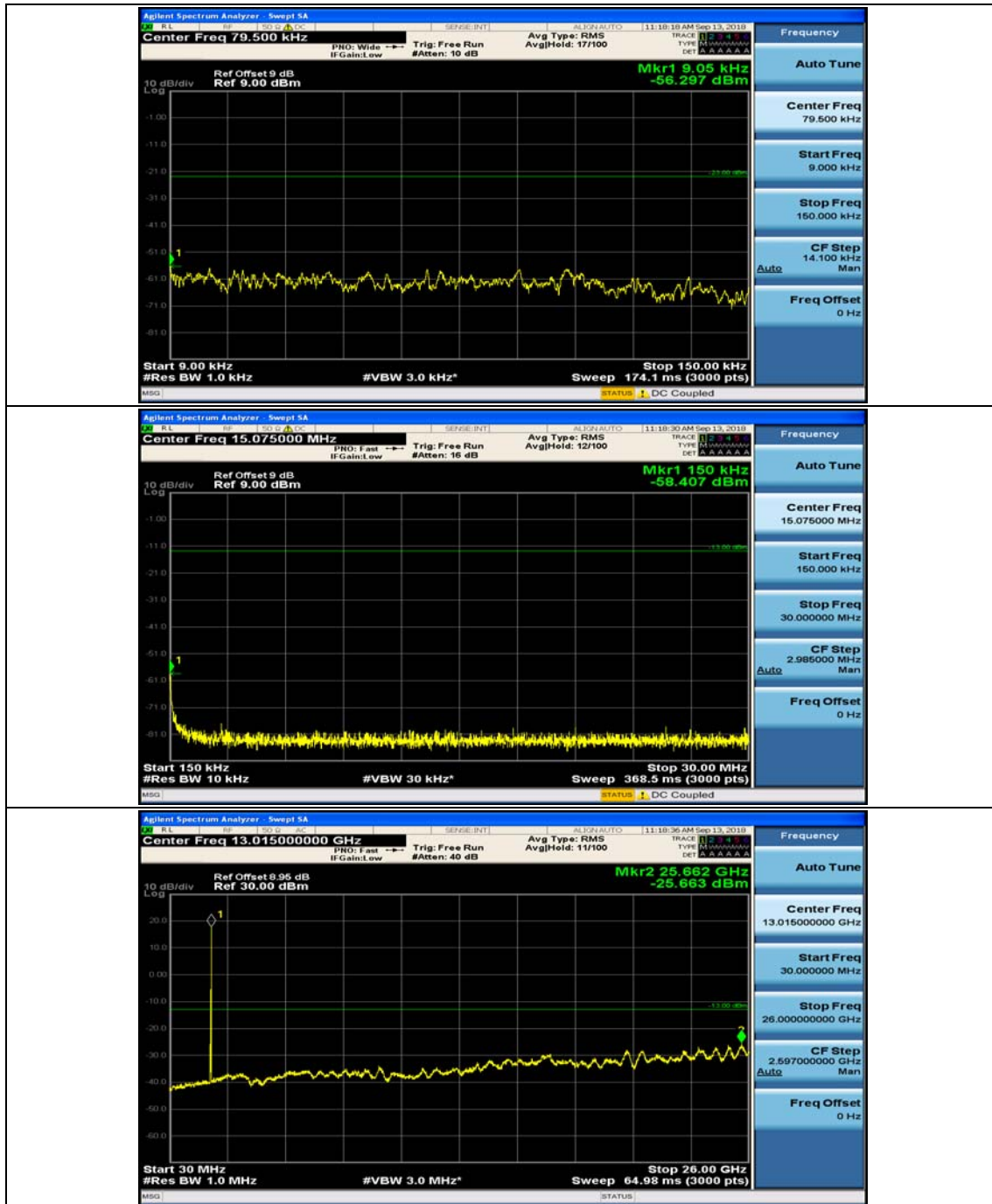


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

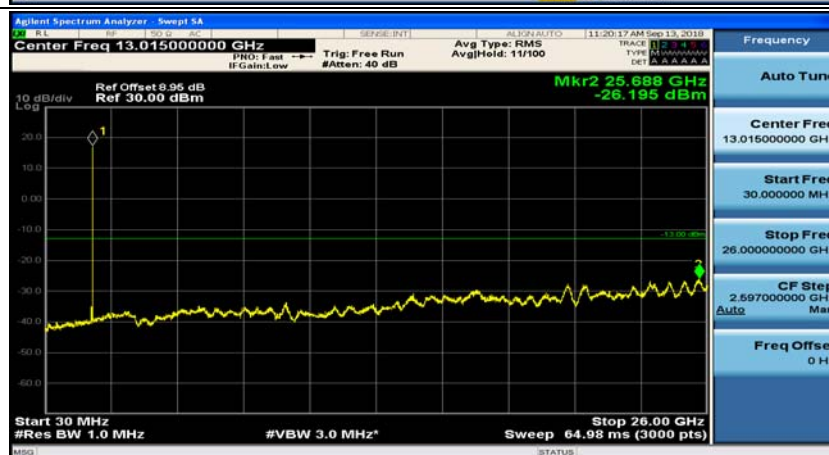
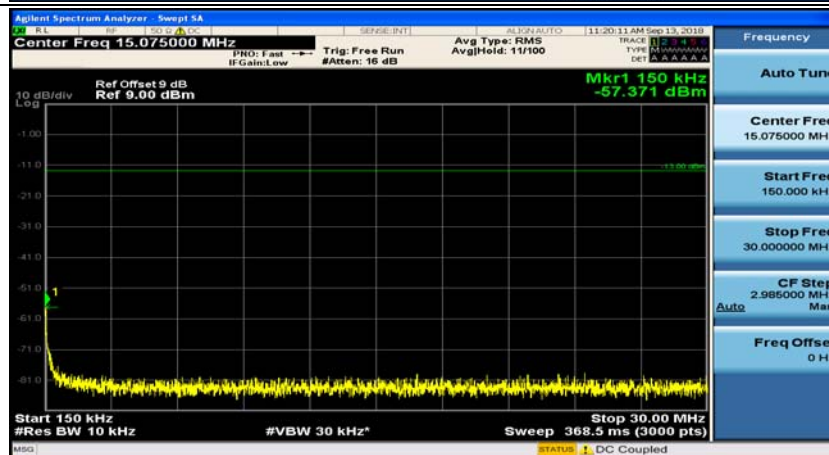
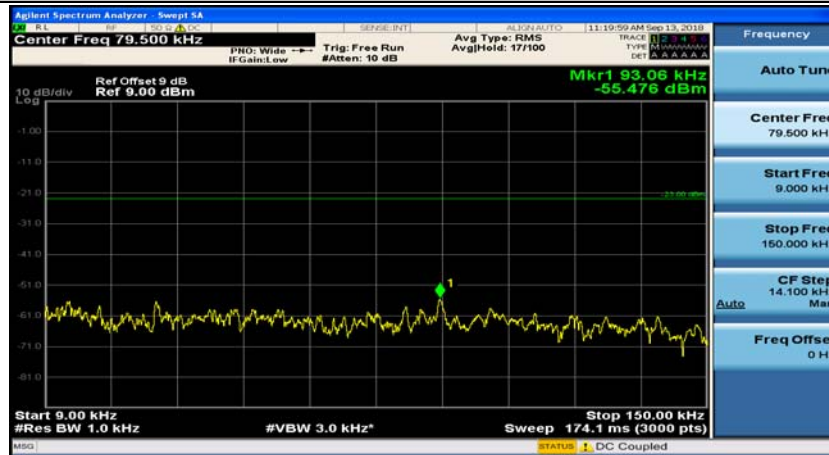


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

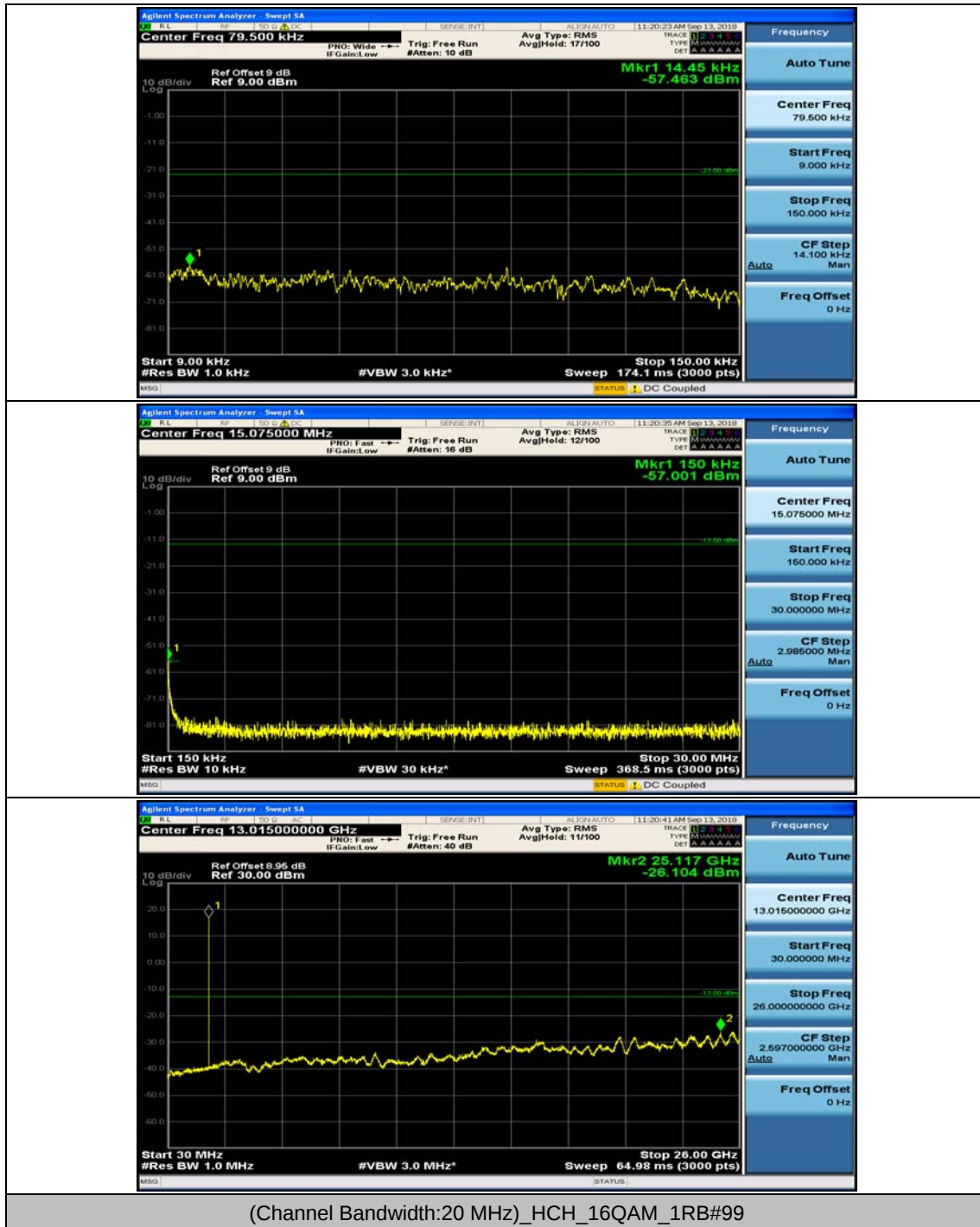


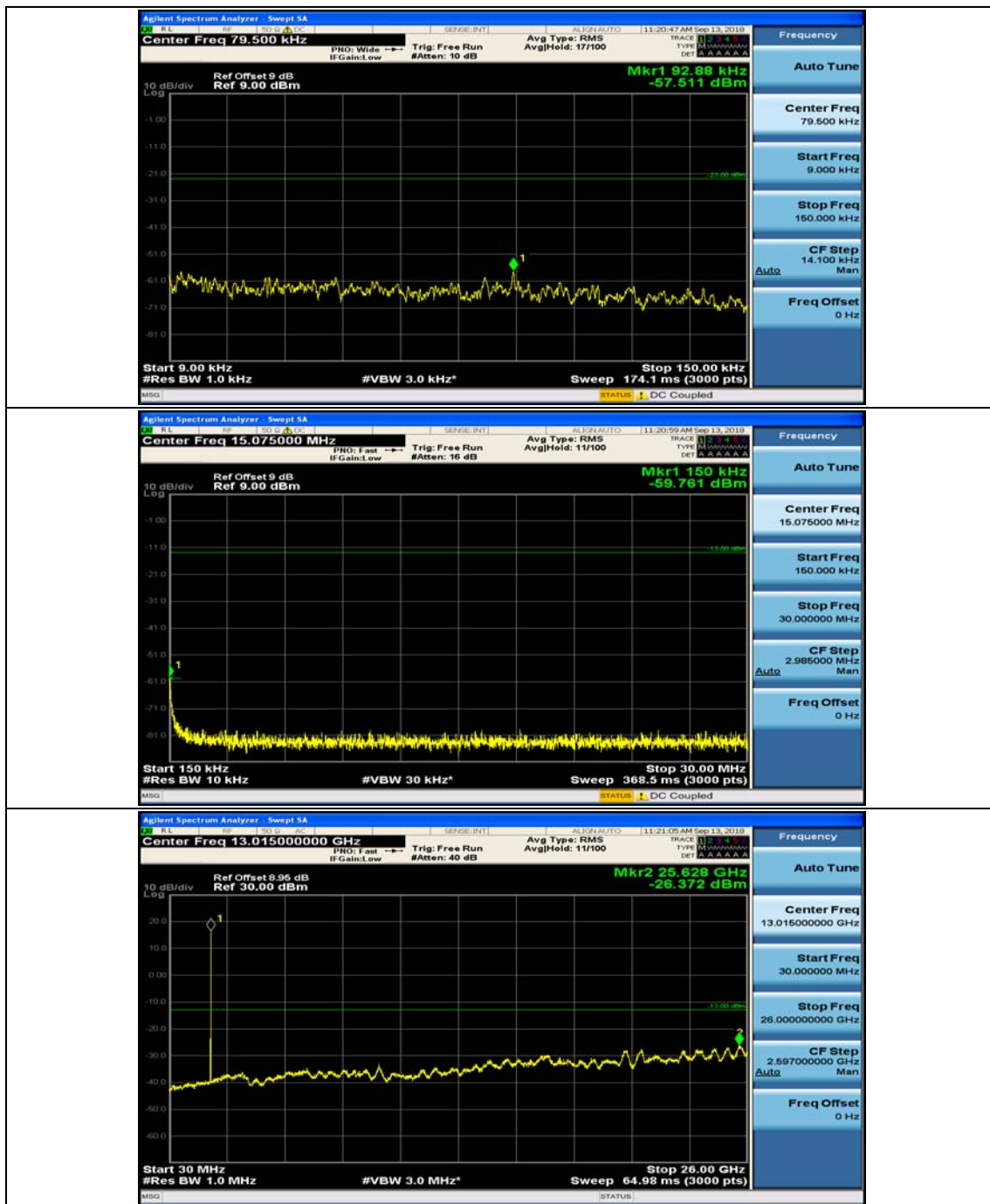


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.92	0.002658	± 2.5	PASS
		VN	TN	4.58	0.002475	± 2.5	PASS
		VH	TN	-0.07	-0.000038	± 2.5	PASS
	MCH	VL	TN	3.19	0.001697	± 2.5	PASS
		VN	TN	0.49	0.000261	± 2.5	PASS
		VH	TN	1.69	0.000899	± 2.5	PASS
	HCH	VL	TN	0.98	0.000513	± 2.5	PASS
		VN	TN	0.1	0.000052	± 2.5	PASS
		VH	TN	4.42	0.002315	± 2.5	PASS
16QAM	LCH	VL	TN	0.07	0.000038	± 2.5	PASS
		VN	TN	0.24	0.000130	± 2.5	PASS
		VH	TN	-0.62	-0.000335	± 2.5	PASS
	MCH	VL	TN	-1.6	-0.000851	± 2.5	PASS
		VN	TN	1.63	0.000867	± 2.5	PASS
		VH	TN	-0.57	-0.000303	± 2.5	PASS
	HCH	VL	TN	-0.26	-0.000136	± 2.5	PASS
		VN	TN	2.33	0.001220	± 2.5	PASS
		VH	TN	4.86	0.002545	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.7	-0.000918	± 2.5	PASS
		VN	-20	-1.61	-0.000870	± 2.5	PASS
		VN	-10	1.57	0.000848	± 2.5	PASS
		VN	0	0.2	0.000106	± 2.5	PASS
		VN	10	4.38	0.002330	± 2.5	PASS
		VN	20	-0.98	-0.000521	± 2.5	PASS
		VN	30	3.74	0.001960	± 2.5	PASS
		VN	40	1.81	0.000948	± 2.5	PASS
		VN	50	-1.64	-0.000859	± 2.5	PASS
	MCH	VN	-30	1.51	0.000816	± 2.5	PASS
		VN	-20	2.05	0.001107	± 2.5	PASS

		VN	-10	1.93	0.001042	± 2.5	PASS
		VN	0	-0.22	-0.000117	± 2.5	PASS
		VN	10	3.89	0.002069	± 2.5	PASS
		VN	20	-0.12	-0.000064	± 2.5	PASS
		VN	30	-0.19	-0.000100	± 2.5	PASS
		VN	40	-0.08	-0.000042	± 2.5	PASS
		VN	50	-0.8	-0.000419	± 2.5	PASS
	HCH	VN	-30	-1.7	-0.000918	± 2.5	PASS
		VN	-20	-1.61	-0.000870	± 2.5	PASS
		VN	-10	1.57	0.000848	± 2.5	PASS
		VN	0	0.2	0.000106	± 2.5	PASS
		VN	10	4.38	0.002330	± 2.5	PASS
		VN	20	-0.98	-0.000521	± 2.5	PASS
		VN	30	3.74	0.001960	± 2.5	PASS
		VN	40	1.81	0.000948	± 2.5	PASS
		VN	50	-1.64	-0.000859	± 2.5	PASS
16QAM	LCH	VN	-30	1.51	0.000816	± 2.5	PASS
		VN	-20	2.05	0.001107	± 2.5	PASS
		VN	-10	1.93	0.001042	± 2.5	PASS
		VN	0	-0.22	-0.000117	± 2.5	PASS
		VN	10	3.89	0.002069	± 2.5	PASS
		VN	20	-0.12	-0.000064	± 2.5	PASS
		VN	30	-0.19	-0.000100	± 2.5	PASS
		VN	40	-0.08	-0.000042	± 2.5	PASS
		VN	50	-0.8	-0.000419	± 2.5	PASS
	MCH	VN	-30	-1.7	-0.000918	± 2.5	PASS
		VN	-20	-1.61	-0.000870	± 2.5	PASS
		VN	-10	1.57	0.000848	± 2.5	PASS
		VN	0	0.2	0.000106	± 2.5	PASS
		VN	10	4.38	0.002330	± 2.5	PASS
		VN	20	-0.98	-0.000521	± 2.5	PASS
		VN	30	3.74	0.001960	± 2.5	PASS
		VN	40	1.81	0.000948	± 2.5	PASS
		VN	50	-1.64	-0.000859	± 2.5	PASS
	HCH	VN	-30	1.51	0.000816	± 2.5	PASS
		VN	-20	2.05	0.001107	± 2.5	PASS
		VN	-10	1.93	0.001042	± 2.5	PASS
		VN	0	-0.22	-0.000117	± 2.5	PASS
		VN	10	3.89	0.002069	± 2.5	PASS
		VN	20	-0.12	-0.000064	± 2.5	PASS
		VN	30	-0.19	-0.000100	± 2.5	PASS

		VN	40	-0.08	-0.000042	± 2.5	PASS
		VN	50	-0.8	-0.000419	± 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	-0.97	-0.000524	± 2.5	PASS
		VN	TN	3.44	0.001858	± 2.5	PASS
		VH	TN	4.66	0.002517	± 2.5	PASS
	MCH	VL	TN	4.91	0.002612	± 2.5	PASS
		VN	TN	-0.2	-0.000106	± 2.5	PASS
		VH	TN	3.88	0.002064	± 2.5	PASS
	HCH	VL	TN	-0.09	-0.000047	± 2.5	PASS
		VN	TN	1.24	0.000650	± 2.5	PASS
		VH	TN	4.54	0.002379	± 2.5	PASS
16QAM	LCH	VL	TN	2.88	0.001555	± 2.5	PASS
		VN	TN	2.44	0.001318	± 2.5	PASS
		VH	TN	3.84	0.002074	± 2.5	PASS
	MCH	VL	TN	-0.01	-0.000005	± 2.5	PASS
		VN	TN	2.22	0.001181	± 2.5	PASS
		VH	TN	1.42	0.000755	± 2.5	PASS
	HCH	VL	TN	2.79	0.001462	± 2.5	PASS
		VN	TN	3.03	0.001588	± 2.5	PASS
		VH	TN	-1.83	-0.000959	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.62	0.002495	± 2.5	PASS
		VN	-20	0.14	0.000076	± 2.5	PASS
		VN	-10	-1.83	-0.000988	± 2.5	PASS
		VN	0	3.42	0.001847	± 2.5	PASS
		VN	10	2.23	0.001204	± 2.5	PASS
		VN	20	-1.99	-0.001075	± 2.5	PASS
		VN	30	4.28	0.002312	± 2.5	PASS
		VN	40	-0.36	-0.000194	± 2.5	PASS
		VN	50	-1.62	-0.000875	± 2.5	PASS
	MCH	VN	-30	2.66	0.001415	± 2.5	PASS
		VN	-20	-0.5	-0.000266	± 2.5	PASS
		VN	-10	0.4	0.000213	± 2.5	PASS

		VN	0	-1.27	-0.000676	± 2.5	PASS
		VN	10	1.56	0.000830	± 2.5	PASS
		VN	20	-1.77	-0.000941	± 2.5	PASS
		VN	30	-1.24	-0.000660	± 2.5	PASS
		VN	40	-1.64	-0.000872	± 2.5	PASS
		VN	50	2.8	0.001489	± 2.5	PASS
	HCH	VN	-30	0.2	0.000105	± 2.5	PASS
		VN	-20	-1.81	-0.000948	± 2.5	PASS
		VN	-10	-1.41	-0.000739	± 2.5	PASS
		VN	0	-1.09	-0.000571	± 2.5	PASS
		VN	10	-1.72	-0.000901	± 2.5	PASS
		VN	20	3.69	0.001933	± 2.5	PASS
		VN	30	4.62	0.002421	± 2.5	PASS
		VN	40	-0.4	-0.000210	± 2.5	PASS
		VN	50	0.02	0.000010	± 2.5	PASS
QPSK	LCH	VN	-30	3.38	0.001826	± 2.5	PASS
		VN	-20	4.37	0.002360	± 2.5	PASS
		VN	-10	4.23	0.002285	± 2.5	PASS
		VN	0	3.19	0.001723	± 2.5	PASS
		VN	10	3.99	0.002155	± 2.5	PASS
		VN	20	1.9	0.001026	± 2.5	PASS
		VN	30	3.18	0.001718	± 2.5	PASS
		VN	40	3.04	0.001642	± 2.5	PASS
		VN	50	2.82	0.001523	± 2.5	PASS
	MCH	VN	-30	4.38	0.002330	± 2.5	PASS
		VN	-20	3.15	0.001676	± 2.5	PASS
		VN	-10	1.24	0.000660	± 2.5	PASS
		VN	0	1.46	0.000777	± 2.5	PASS
		VN	10	1.71	0.000910	± 2.5	PASS
		VN	20	2.57	0.001367	± 2.5	PASS
		VN	30	4.2	0.002234	± 2.5	PASS
		VN	40	4.45	0.002367	± 2.5	PASS
		VN	50	2.85	0.001516	± 2.5	PASS
	HCH	VN	-30	0.71	0.000372	± 2.5	PASS
		VN	-20	3.2	0.001677	± 2.5	PASS
		VN	-10	0.01	0.000005	± 2.5	PASS
		VN	0	0.79	0.000414	± 2.5	PASS
		VN	10	3.9	0.002043	± 2.5	PASS
		VN	20	0.72	0.000377	± 2.5	PASS
		VN	30	-1.47	-0.000770	± 2.5	PASS
		VN	40	1.32	0.000692	± 2.5	PASS

		VN	50	-1.53	-0.000802	± 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	1.31	0.000707	± 2.5	PASS
		VN	TN	4.01	0.002165	± 2.5	PASS
		VH	TN	3.98	0.002148	± 2.5	PASS
	MCH	VL	TN	0.86	0.000457	± 2.5	PASS
		VN	TN	3.28	0.001745	± 2.5	PASS
		VH	TN	2.65	0.001410	± 2.5	PASS
	HCH	VL	TN	-0.94	-0.000493	± 2.5	PASS
		VN	TN	-1.52	-0.000797	± 2.5	PASS
		VH	TN	-1.43	-0.000750	± 2.5	PASS
16QAM	LCH	VL	TN	-1.26	-0.000680	± 2.5	PASS
		VN	TN	4.02	0.002170	± 2.5	PASS
		VH	TN	0.54	0.000291	± 2.5	PASS
	MCH	VL	TN	0.93	0.000495	± 2.5	PASS
		VN	TN	4.55	0.002420	± 2.5	PASS
		VH	TN	2.84	0.001511	± 2.5	PASS
	HCH	VL	TN	1.39	0.000729	± 2.5	PASS
		VN	TN	3.38	0.001772	± 2.5	PASS
		VH	TN	4.54	0.002380	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.16	0.000086	± 2.5	PASS
		VN	-20	1.09	0.000588	± 2.5	PASS
		VN	-10	2.84	0.001533	± 2.5	PASS
		VN	0	0.28	0.000151	± 2.5	PASS
		VN	10	-1.45	-0.000783	± 2.5	PASS
		VN	20	-1.2	-0.000648	± 2.5	PASS
		VN	30	4.94	0.002667	± 2.5	PASS
		VN	40	4.53	0.002445	± 2.5	PASS
		VN	50	-1.74	-0.000939	± 2.5	PASS
	MCH	VN	-30	-0.84	-0.000447	± 2.5	PASS
		VN	-20	4.39	0.002335	± 2.5	PASS
		VN	-10	1.5	0.000798	± 2.5	PASS
		VN	0	1.48	0.000787	± 2.5	PASS

		VN	10	2.08	0.001106	± 2.5	PASS
		VN	20	2.67	0.001420	± 2.5	PASS
		VN	30	2.12	0.001128	± 2.5	PASS
		VN	40	3.9	0.002074	± 2.5	PASS
		VN	50	0.37	0.000197	± 2.5	PASS
	HCH	VN	-30	4.82	0.002527	± 2.5	PASS
		VN	-20	3.97	0.002081	± 2.5	PASS
		VN	-10	-0.26	-0.000136	± 2.5	PASS
		VN	0	1.72	0.000902	± 2.5	PASS
		VN	10	1.75	0.000917	± 2.5	PASS
		VN	20	-1.05	-0.000550	± 2.5	PASS
		VN	30	-1.78	-0.000933	± 2.5	PASS
		VN	40	2.13	0.001117	± 2.5	PASS
		VN	50	-1.34	-0.000702	± 2.5	PASS
16QAM	LCH	VN	-30	0.75	0.000405	± 2.5	PASS
		VN	-20	0.03	0.000016	± 2.5	PASS
		VN	-10	-1.7	-0.000918	± 2.5	PASS
		VN	0	2.09	0.001128	± 2.5	PASS
		VN	10	4.56	0.002462	± 2.5	PASS
		VN	20	-0.09	-0.000049	± 2.5	PASS
		VN	30	-1.72	-0.000928	± 2.5	PASS
		VN	40	-1.7	-0.000918	± 2.5	PASS
		VN	50	-1.71	-0.000923	± 2.5	PASS
	MCH	VN	-30	-0.46	-0.000245	± 2.5	PASS
		VN	-20	3.95	0.002101	± 2.5	PASS
		VN	-10	4.64	0.002468	± 2.5	PASS
		VN	0	-0.28	-0.000149	± 2.5	PASS
		VN	10	-0.58	-0.000309	± 2.5	PASS
		VN	20	-0.83	-0.000441	± 2.5	PASS
		VN	30	2.41	0.001282	± 2.5	PASS
		VN	40	-0.87	-0.000463	± 2.5	PASS
		VN	50	4.39	0.002335	± 2.5	PASS
	HCH	VN	-30	-1.62	-0.000849	± 2.5	PASS
		VN	-20	2.45	0.001284	± 2.5	PASS
		VN	-10	0.23	0.000121	± 2.5	PASS
		VN	0	1.9	0.000996	± 2.5	PASS
		VN	10	-1.2	-0.000629	± 2.5	PASS
		VN	20	3.91	0.002050	± 2.5	PASS
		VN	30	0.27	0.000142	± 2.5	PASS
		VN	40	2.93	0.001536	± 2.5	PASS
		VN	50	4.44	0.002328	± 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	2.7	0.001456	± 2.5	PASS
		VN	TN	-1.39	-0.000749	± 2.5	PASS
		VH	TN	0.8	0.000431	± 2.5	PASS
	MCH	VL	TN	2.68	0.001426	± 2.5	PASS
		VN	TN	4.95	0.002633	± 2.5	PASS
		VH	TN	-0.16	-0.000085	± 2.5	PASS
	HCH	VL	TN	-1.44	-0.000756	± 2.5	PASS
		VN	TN	2.73	0.001433	± 2.5	PASS
		VH	TN	0.7	0.000367	± 2.5	PASS
16QAM	LCH	VL	TN	3.15	0.001698	± 2.5	PASS
		VN	TN	1.12	0.000604	± 2.5	PASS
		VH	TN	2.18	0.001175	± 2.5	PASS
	MCH	VL	TN	-0.49	-0.000261	± 2.5	PASS
		VN	TN	-1.24	-0.000660	± 2.5	PASS
		VH	TN	1.1	0.000585	± 2.5	PASS
	HCH	VL	TN	2.57	0.001349	± 2.5	PASS
		VN	TN	-0.03	-0.000016	± 2.5	PASS
		VH	TN	-1.53	-0.000803	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	0.29	0.000156	± 2.5	PASS
		VN	-20	3.42	0.001844	± 2.5	PASS
		VN	-10	1.73	0.000933	± 2.5	PASS
		VN	0	3.53	0.001903	± 2.5	PASS
		VN	10	4.23	0.002280	± 2.5	PASS
		VN	20	-0.38	-0.000205	± 2.5	PASS
		VN	30	4.08	0.002199	± 2.5	PASS
		VN	40	-1.57	-0.000846	± 2.5	PASS
		VN	50	3.29	0.001774	± 2.5	PASS
	MCH	VN	-30	3.67	0.001952	± 2.5	PASS
		VN	-20	4.24	0.002255	± 2.5	PASS
		VN	-10	3.19	0.001697	± 2.5	PASS
		VN	0	-0.67	-0.000356	± 2.5	PASS
		VN	10	3.45	0.001835	± 2.5	PASS
		VN	20	1.37	0.000729	± 2.5	PASS

		VN	30	1.17	0.000622	± 2.5	PASS
		VN	40	-1.56	-0.000830	± 2.5	PASS
		VN	50	3.34	0.001777	± 2.5	PASS
	HCH	VN	-30	2.46	0.001291	± 2.5	PASS
		VN	-20	2.13	0.001118	± 2.5	PASS
		VN	-10	0.96	0.000504	± 2.5	PASS
		VN	0	0.39	0.000205	± 2.5	PASS
		VN	10	-1.53	-0.000803	± 2.5	PASS
		VN	20	0.81	0.000425	± 2.5	PASS
		VN	30	0.57	0.000299	± 2.5	PASS
		VN	40	3.4	0.001785	± 2.5	PASS
		VN	50	-1.9	-0.000997	± 2.5	PASS
QPSK	LCH	VN	-30	2.21	0.001191	± 2.5	PASS
		VN	-20	4.68	0.002523	± 2.5	PASS
		VN	-10	-1.5	-0.000809	± 2.5	PASS
		VN	0	1.3	0.000701	± 2.5	PASS
		VN	10	2.05	0.001105	± 2.5	PASS
		VN	20	3.8	0.002049	± 2.5	PASS
		VN	30	-0.42	-0.000226	± 2.5	PASS
		VN	40	3.86	0.002081	± 2.5	PASS
		VN	50	-1.7	-0.000916	± 2.5	PASS
	MCH	VN	-30	1.9	0.001011	± 2.5	PASS
		VN	-20	-0.03	-0.000016	± 2.5	PASS
		VN	-10	4.81	0.002559	± 2.5	PASS
		VN	0	-0.5	-0.000266	± 2.5	PASS
		VN	10	-1.87	-0.000995	± 2.5	PASS
		VN	20	2.71	0.001441	± 2.5	PASS
		VN	30	-1.76	-0.000936	± 2.5	PASS
		VN	40	-0.56	-0.000298	± 2.5	PASS
		VN	50	-0.37	-0.000197	± 2.5	PASS
	HCH	VN	-30	0.36	0.000189	± 2.5	PASS
		VN	-20	3.26	0.001711	± 2.5	PASS
		VN	-10	3.98	0.002089	± 2.5	PASS
		VN	0	0.73	0.000383	± 2.5	PASS
		VN	10	3.69	0.001937	± 2.5	PASS
		VN	20	-1.57	-0.000824	± 2.5	PASS
		VN	30	3.24	0.001701	± 2.5	PASS
		VN	40	-0.19	-0.000100	± 2.5	PASS
		VN	50	3.32	0.001743	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15 MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-1.24	-0.000668	± 2.5	PASS
		VN	TN	0.39	0.000210	± 2.5	PASS
		VH	TN	3.93	0.002116	± 2.5	PASS
	MCH	VL	TN	4.07	0.002165	± 2.5	PASS
		VN	TN	3.63	0.001931	± 2.5	PASS
		VH	TN	2.57	0.001367	± 2.5	PASS
	HCH	VL	TN	-1.7	-0.000894	± 2.5	PASS
		VN	TN	2.6	0.001367	± 2.5	PASS
		VH	TN	0.38	0.000200	± 2.5	PASS
16QAM	LCH	VL	TN	1.52	0.000818	± 2.5	PASS
		VN	TN	1.62	0.000872	± 2.5	PASS
		VH	TN	-1.89	-0.001017	± 2.5	PASS
	MCH	VL	TN	4.51	0.002399	± 2.5	PASS
		VN	TN	1.79	0.000952	± 2.5	PASS
		VH	TN	3.72	0.001979	± 2.5	PASS
	HCH	VL	TN	-1.48	-0.000778	± 2.5	PASS
		VN	TN	1.57	0.000825	± 2.5	PASS
		VH	TN	-0.22	-0.000116	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.71	0.001459	± 2.5	PASS
		VN	-20	4.16	0.002240	± 2.5	PASS
		VN	-10	0.23	0.000124	± 2.5	PASS
		VN	0	4.85	0.002611	± 2.5	PASS
		VN	10	2.96	0.001594	± 2.5	PASS
		VN	20	-0.78	-0.000420	± 2.5	PASS
		VN	30	0.52	0.000280	± 2.5	PASS
		VN	40	-1.76	-0.000948	± 2.5	PASS
		VN	50	-0.06	-0.000032	± 2.5	PASS
	MCH	VN	-30	-0.76	-0.000404	± 2.5	PASS
		VN	-20	-0.05	-0.000027	± 2.5	PASS
		VN	-10	-0.6	-0.000319	± 2.5	PASS
		VN	0	2.96	0.001574	± 2.5	PASS
		VN	10	0.38	0.000202	± 2.5	PASS
		VN	20	0.86	0.000457	± 2.5	PASS

		VN	30	-0.95	-0.000505	± 2.5	PASS
		VN	40	2.5	0.001330	± 2.5	PASS
		VN	50	3.97	0.002112	± 2.5	PASS
	HCH	VN	-30	-1.26	-0.000662	± 2.5	PASS
		VN	-20	2.41	0.001267	± 2.5	PASS
		VN	-10	-1.56	-0.000820	± 2.5	PASS
		VN	0	4.31	0.002265	± 2.5	PASS
		VN	10	3.15	0.001656	± 2.5	PASS
		VN	20	1.14	0.000599	± 2.5	PASS
		VN	30	2.78	0.001461	± 2.5	PASS
		VN	40	2.64	0.001388	± 2.5	PASS
		VN	50	4.1	0.002155	± 2.5	PASS
QPSK	LCH	VN	-30	-0.97	-0.000522	± 2.5	PASS
		VN	-20	-0.06	-0.000032	± 2.5	PASS
		VN	-10	-0.61	-0.000328	± 2.5	PASS
		VN	0	2.72	0.001464	± 2.5	PASS
		VN	10	1.49	0.000802	± 2.5	PASS
		VN	20	4.02	0.002164	± 2.5	PASS
		VN	30	0.48	0.000258	± 2.5	PASS
		VN	40	1.23	0.000662	± 2.5	PASS
		VN	50	1.44	0.000775	± 2.5	PASS
	MCH	VN	-30	4.12	0.002191	± 2.5	PASS
		VN	-20	4.85	0.002580	± 2.5	PASS
		VN	-10	-0.95	-0.000505	± 2.5	PASS
		VN	0	-1.34	-0.000713	± 2.5	PASS
		VN	10	2.77	0.001473	± 2.5	PASS
		VN	20	-0.74	-0.000394	± 2.5	PASS
		VN	30	1.34	0.000713	± 2.5	PASS
		VN	40	-0.89	-0.000473	± 2.5	PASS
		VN	50	3.13	0.001665	± 2.5	PASS
	HCH	VN	-30	1.33	0.000699	± 2.5	PASS
		VN	-20	0.33	0.000173	± 2.5	PASS
		VN	-10	3.99	0.002097	± 2.5	PASS
		VN	0	4.67	0.002455	± 2.5	PASS
		VN	10	1.41	0.000741	± 2.5	PASS
		VN	20	0.24	0.000126	± 2.5	PASS
		VN	30	2.17	0.001141	± 2.5	PASS
		VN	40	4.25	0.002234	± 2.5	PASS
		VN	50	1.81	0.000951	± 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	2.68	0.001441	± 2.5	PASS
		VN	TN	-0.13	-0.000070	± 2.5	PASS
		VH	TN	0.95	0.000511	± 2.5	PASS
	MCH	VL	TN	4.27	0.002271	± 2.5	PASS
		VN	TN	3.39	0.001803	± 2.5	PASS
		VH	TN	-1.36	-0.000723	± 2.5	PASS
	HCH	VL	TN	2.26	0.001189	± 2.5	PASS
		VN	TN	4.77	0.002511	± 2.5	PASS
		VH	TN	1.09	0.000574	± 2.5	PASS
16QAM	LCH	VL	TN	0.47	0.000253	± 2.5	PASS
		VN	TN	4.21	0.002263	± 2.5	PASS
		VH	TN	-1.24	-0.000667	± 2.5	PASS
	MCH	VL	TN	4.33	0.002303	± 2.5	PASS
		VN	TN	2.73	0.001452	± 2.5	PASS
		VH	TN	-0.08	-0.000043	± 2.5	PASS
	HCH	VL	TN	-1.29	-0.000679	± 2.5	PASS
		VN	TN	2.76	0.001453	± 2.5	PASS
		VH	TN	2.67	0.001405	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.09	-0.000048	± 2.5	PASS
		VN	-20	-1.91	-0.001027	± 2.5	PASS
		VN	-10	1.29	0.000694	± 2.5	PASS
		VN	0	0.11	0.000059	± 2.5	PASS
		VN	10	2.58	0.001387	± 2.5	PASS
		VN	20	3.59	0.001930	± 2.5	PASS
		VN	30	-1.4	-0.000753	± 2.5	PASS
		VN	40	3.93	0.002113	± 2.5	PASS
		VN	50	1.97	0.001059	± 2.5	PASS
	MCH	VN	-30	3.02	0.001606	± 2.5	PASS
		VN	-20	-1.01	-0.000537	± 2.5	PASS
		VN	-10	4.29	0.002282	± 2.5	PASS
		VN	0	-1.41	-0.000750	± 2.5	PASS
		VN	10	0.42	0.000223	± 2.5	PASS
		VN	20	2.07	0.001101	± 2.5	PASS

		VN	30	2.14	0.001138	± 2.5	PASS
		VN	40	2.93	0.001559	± 2.5	PASS
		VN	50	-0.13	-0.000069	± 2.5	PASS
	HCH	VN	-30	-0.94	-0.000495	± 2.5	PASS
		VN	-20	2.78	0.001463	± 2.5	PASS
		VN	-10	3.45	0.001816	± 2.5	PASS
		VN	0	-0.57	-0.000300	± 2.5	PASS
		VN	10	-0.89	-0.000468	± 2.5	PASS
		VN	20	1.36	0.000716	± 2.5	PASS
		VN	30	3.9	0.002053	± 2.5	PASS
		VN	40	3.54	0.001863	± 2.5	PASS
		VN	50	-0.17	-0.000089	± 2.5	PASS
QPSK	LCH	VN	-30	4.8	0.002581	± 2.5	PASS
		VN	-20	-0.15	-0.000081	± 2.5	PASS
		VN	-10	1	0.000538	± 2.5	PASS
		VN	0	1.08	0.000581	± 2.5	PASS
		VN	10	3.99	0.002145	± 2.5	PASS
		VN	20	0.17	0.000091	± 2.5	PASS
		VN	30	4.56	0.002452	± 2.5	PASS
		VN	40	1.28	0.000688	± 2.5	PASS
		VN	50	-1.6	-0.000860	± 2.5	PASS
	MCH	VN	-30	-1.17	-0.000622	± 2.5	PASS
		VN	-20	0.77	0.000410	± 2.5	PASS
		VN	-10	1.49	0.000793	± 2.5	PASS
		VN	0	3.35	0.001782	± 2.5	PASS
		VN	10	1.57	0.000835	± 2.5	PASS
		VN	20	4.1	0.002181	± 2.5	PASS
		VN	30	2.11	0.001122	± 2.5	PASS
		VN	40	2.77	0.001473	± 2.5	PASS
		VN	50	2.74	0.001457	± 2.5	PASS
	HCH	VN	-30	2.3	0.001211	± 2.5	PASS
		VN	-20	1.24	0.000653	± 2.5	PASS
		VN	-10	-0.2	-0.000105	± 2.5	PASS
		VN	0	1.93	0.001016	± 2.5	PASS
		VN	10	3.47	0.001826	± 2.5	PASS
		VN	20	-1.51	-0.000795	± 2.5	PASS
		VN	30	-1.36	-0.000716	± 2.5	PASS
		VN	40	4.4	0.002316	± 2.5	PASS
		VN	50	2.99	0.001574	± 2.5	PASS