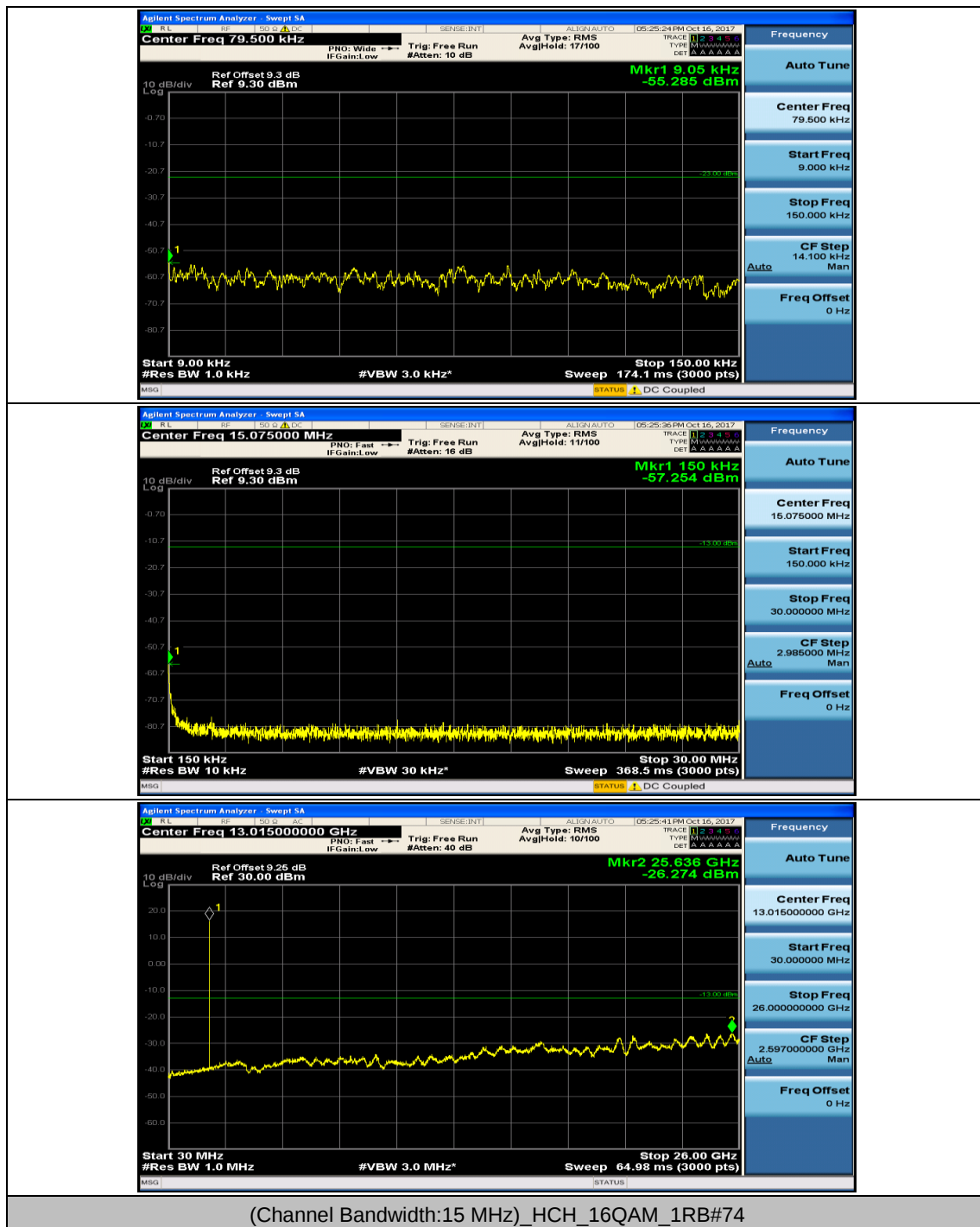
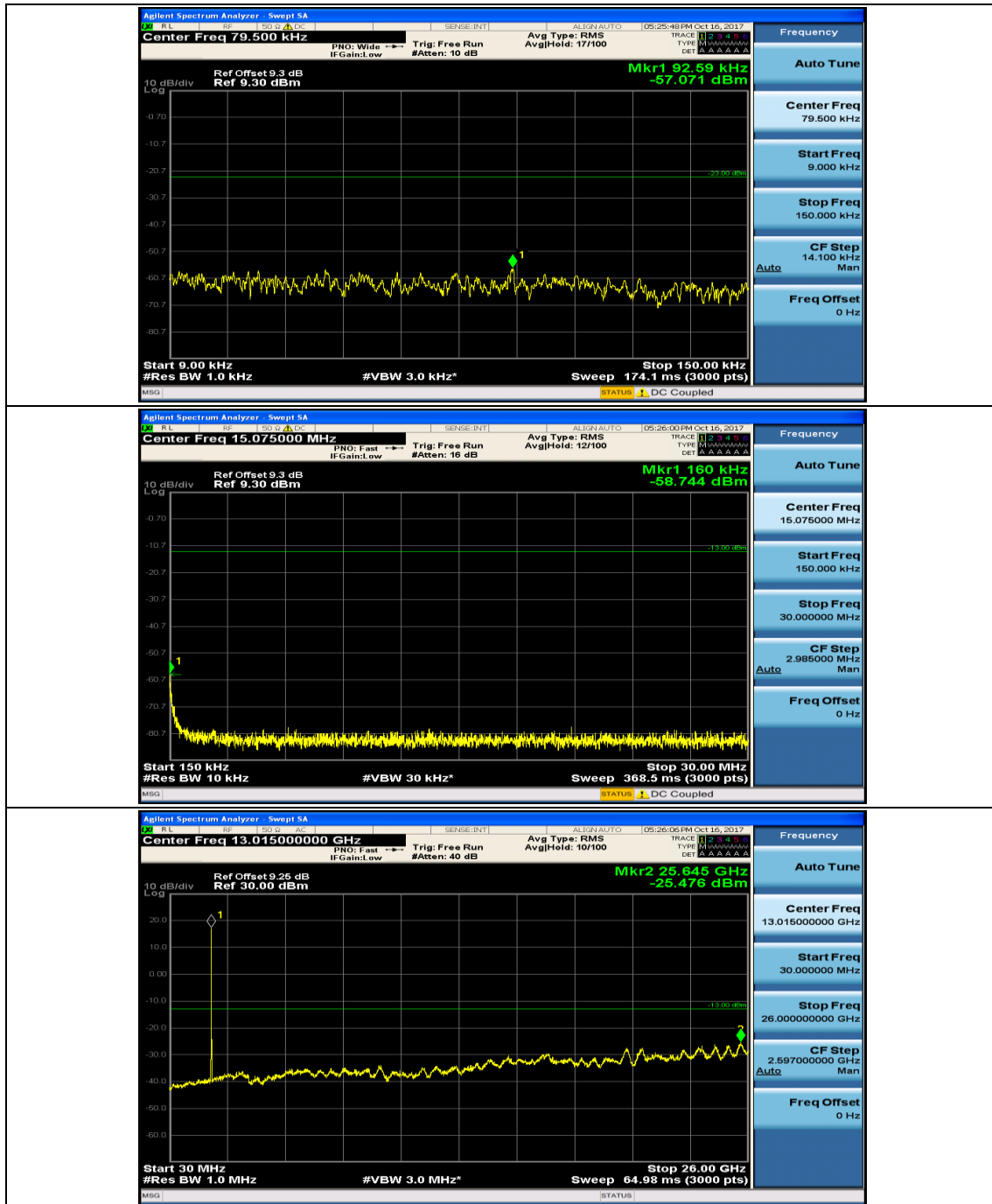
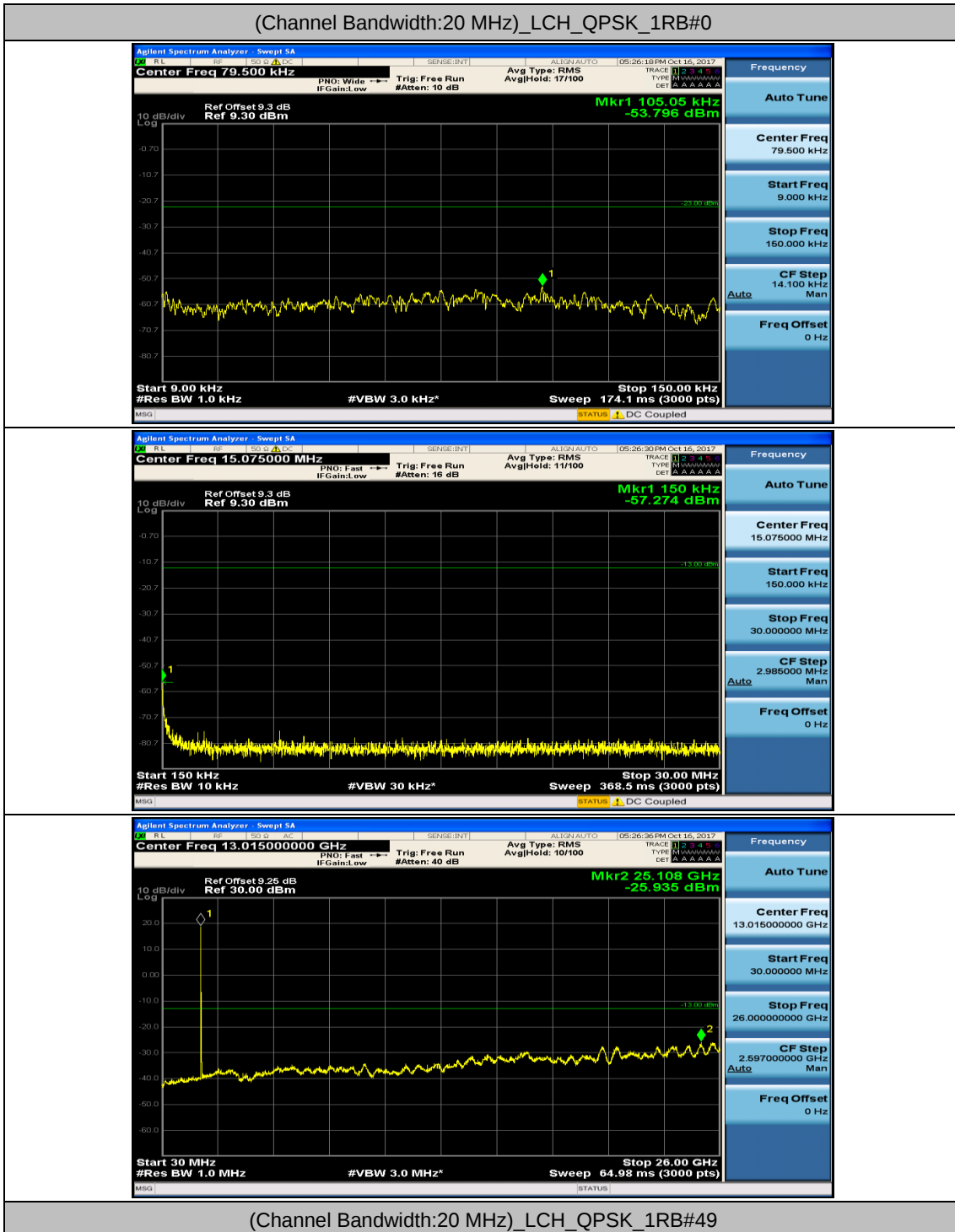




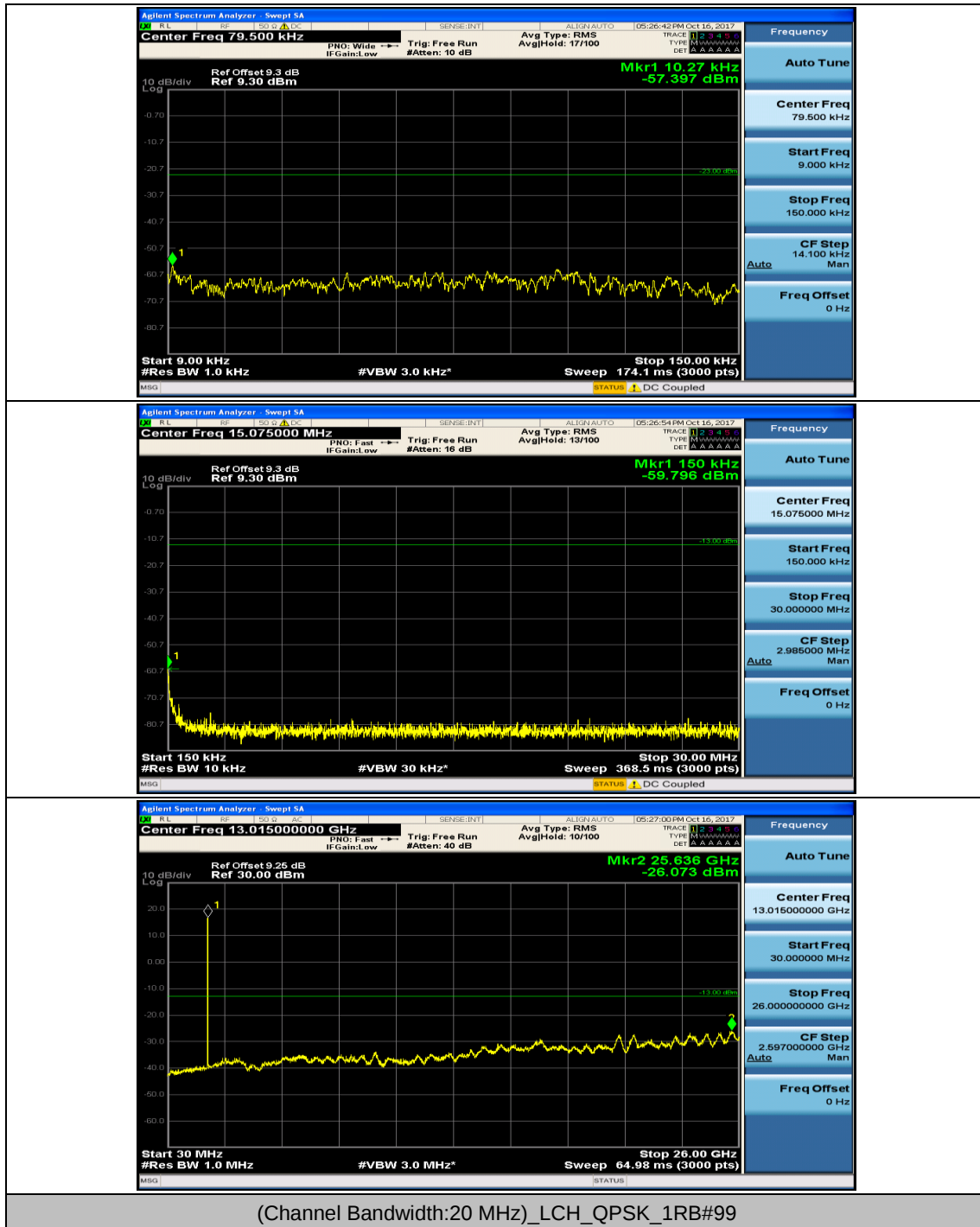


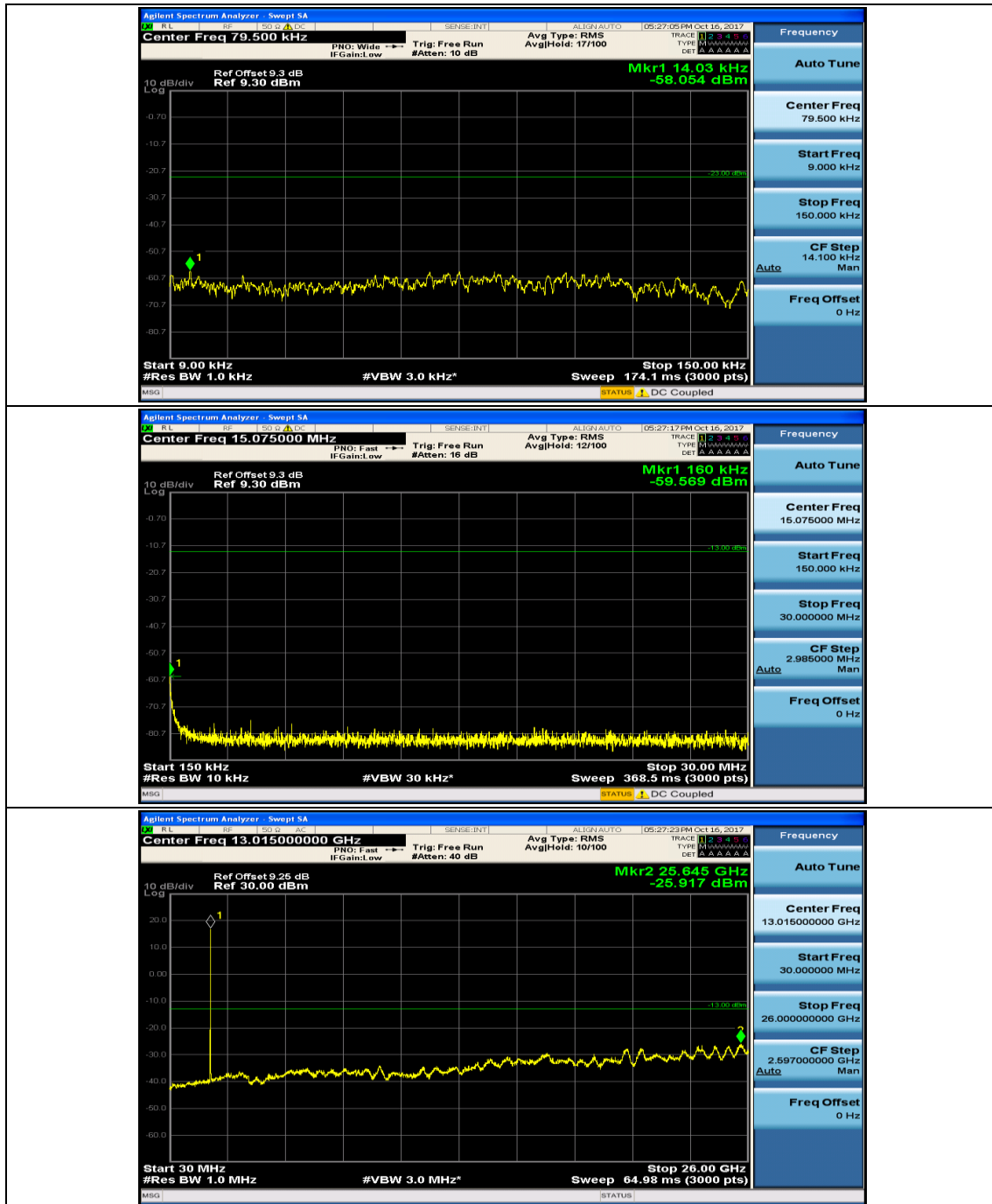
Channel Bandwidth: 20 MHz

(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#0

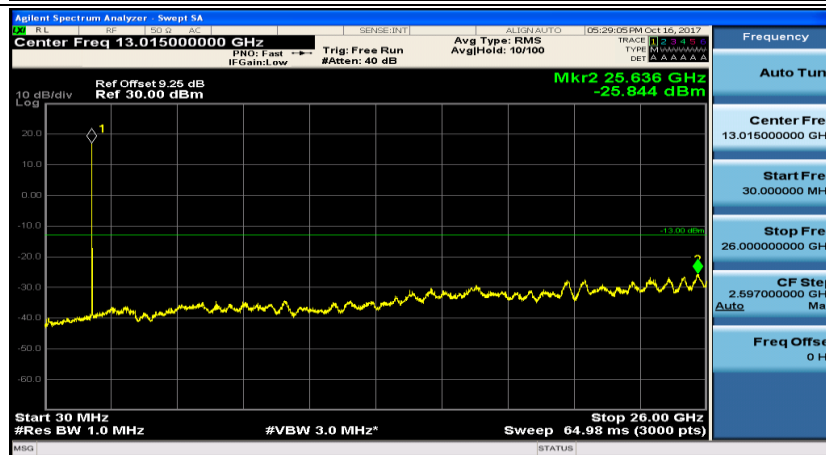
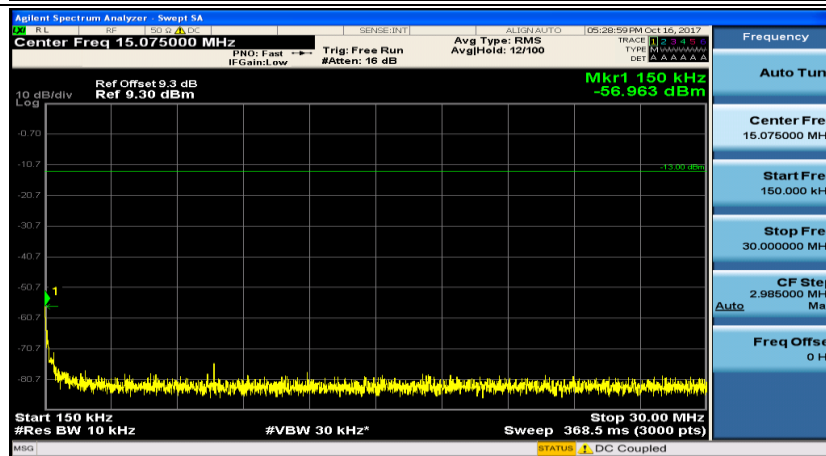
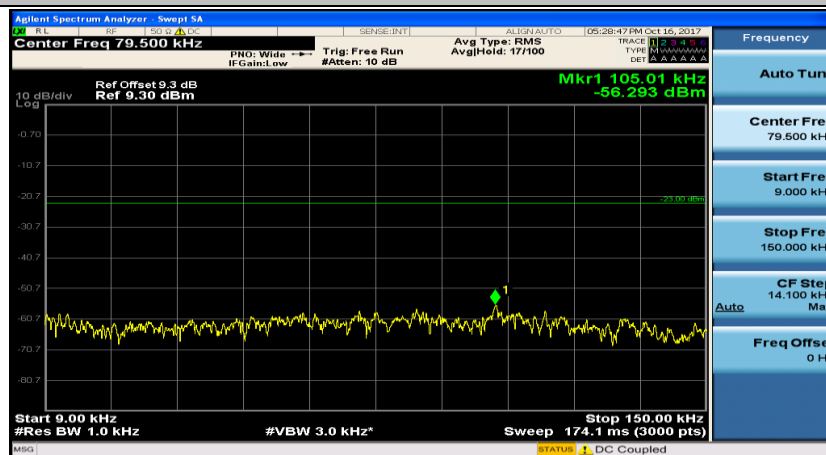


(Channel Bandwidth:20 MHz)_LCH_QPSK_1RB#49

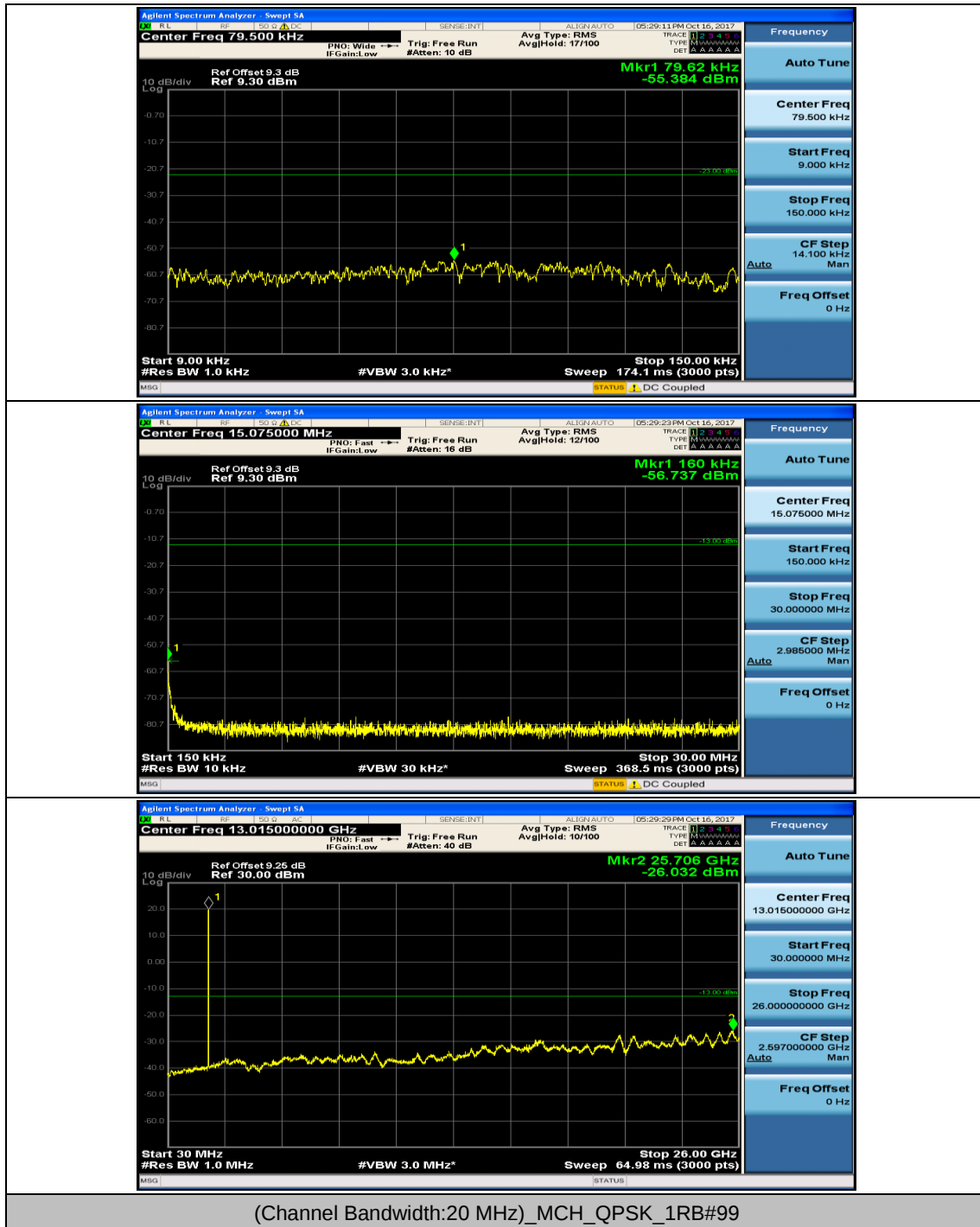


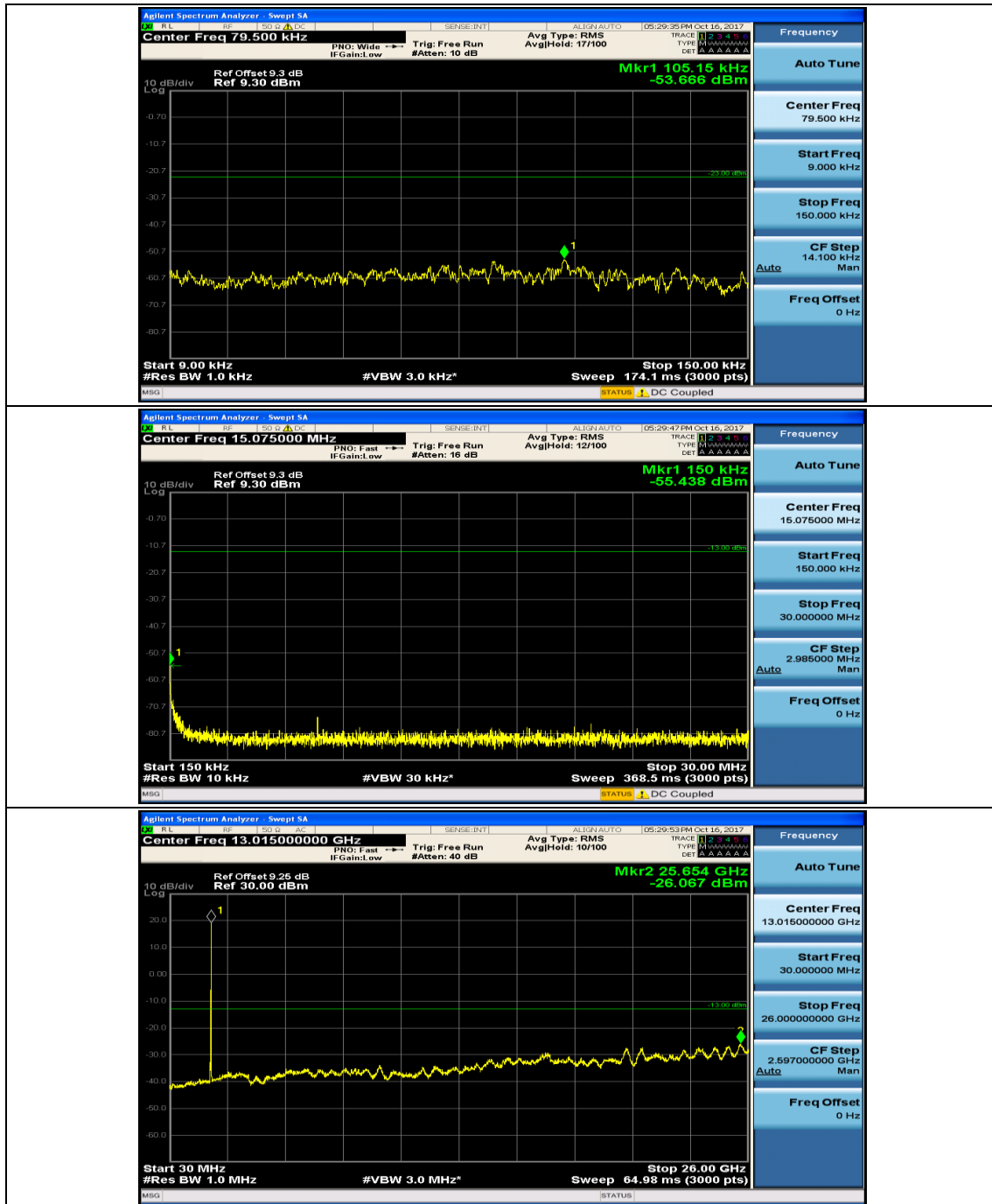


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#0

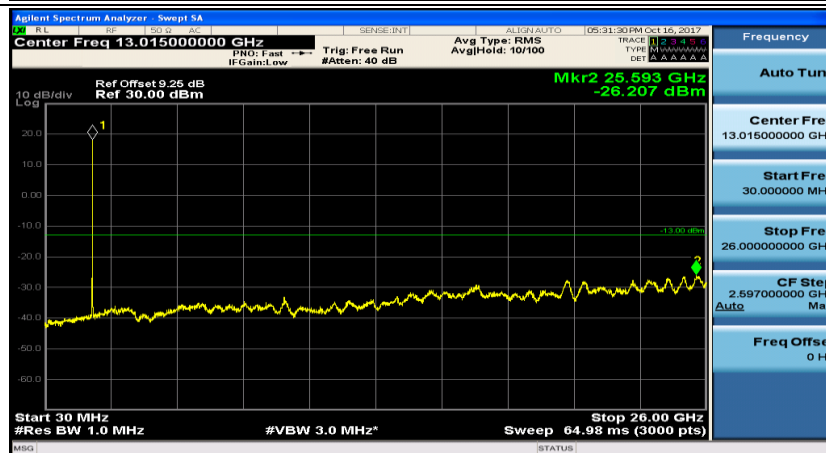
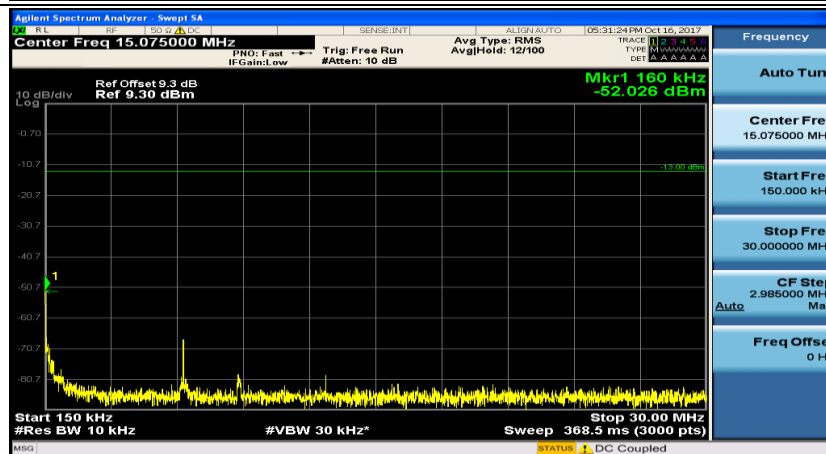
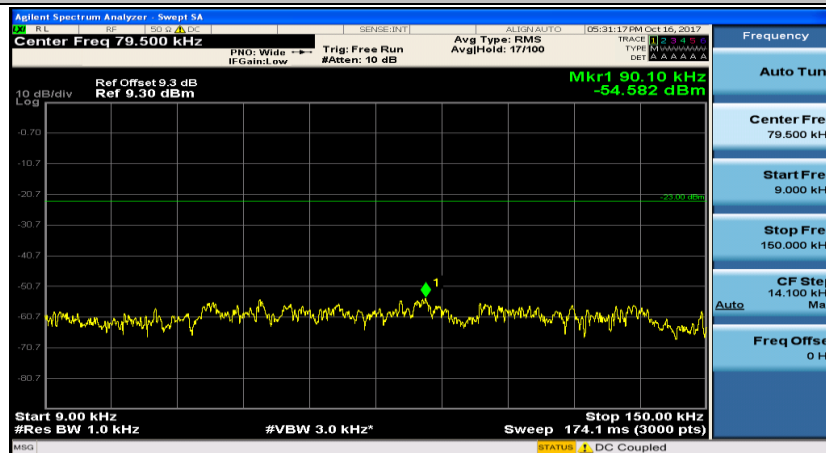


(Channel Bandwidth:20 MHz)_MCH_QPSK_1RB#49

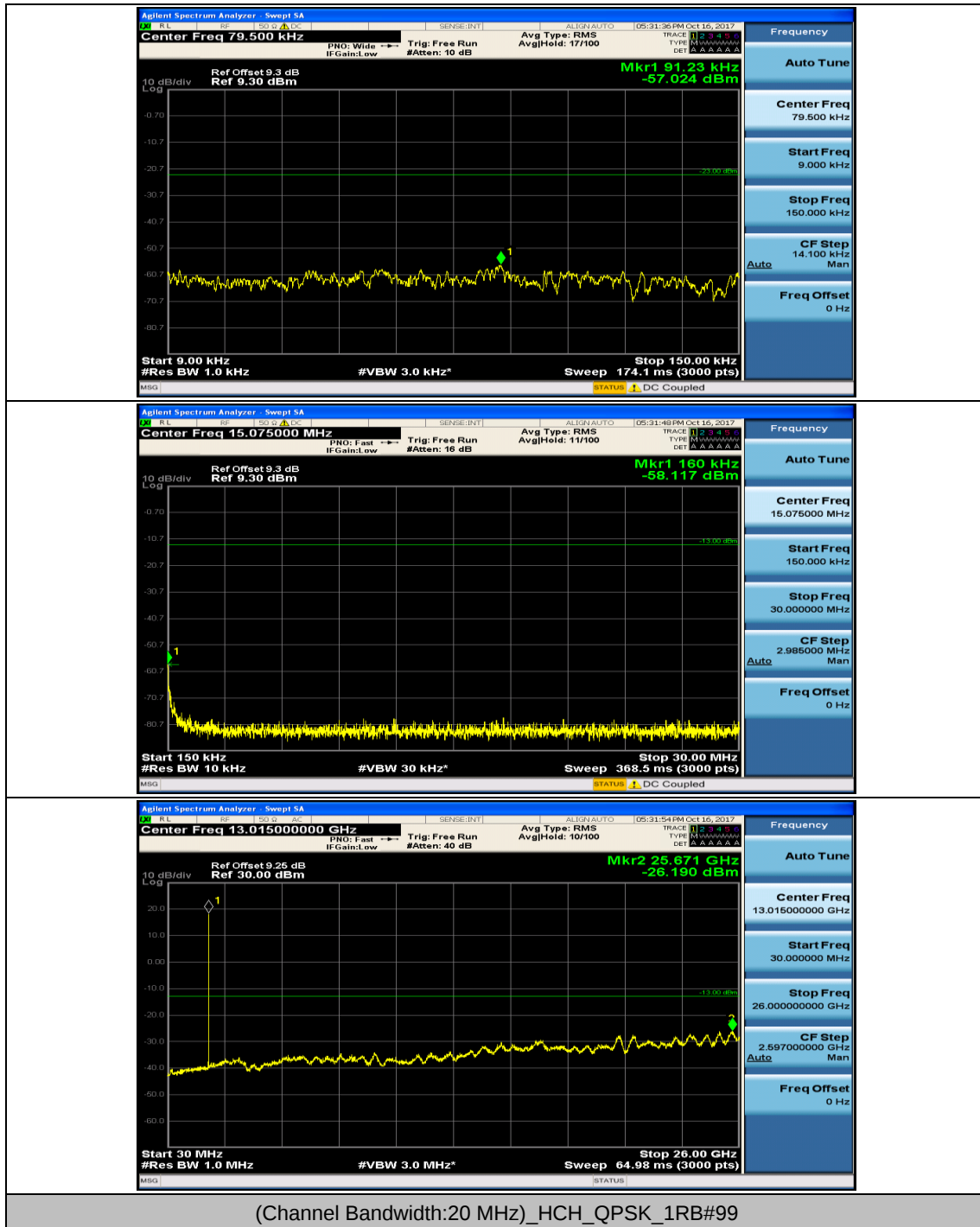


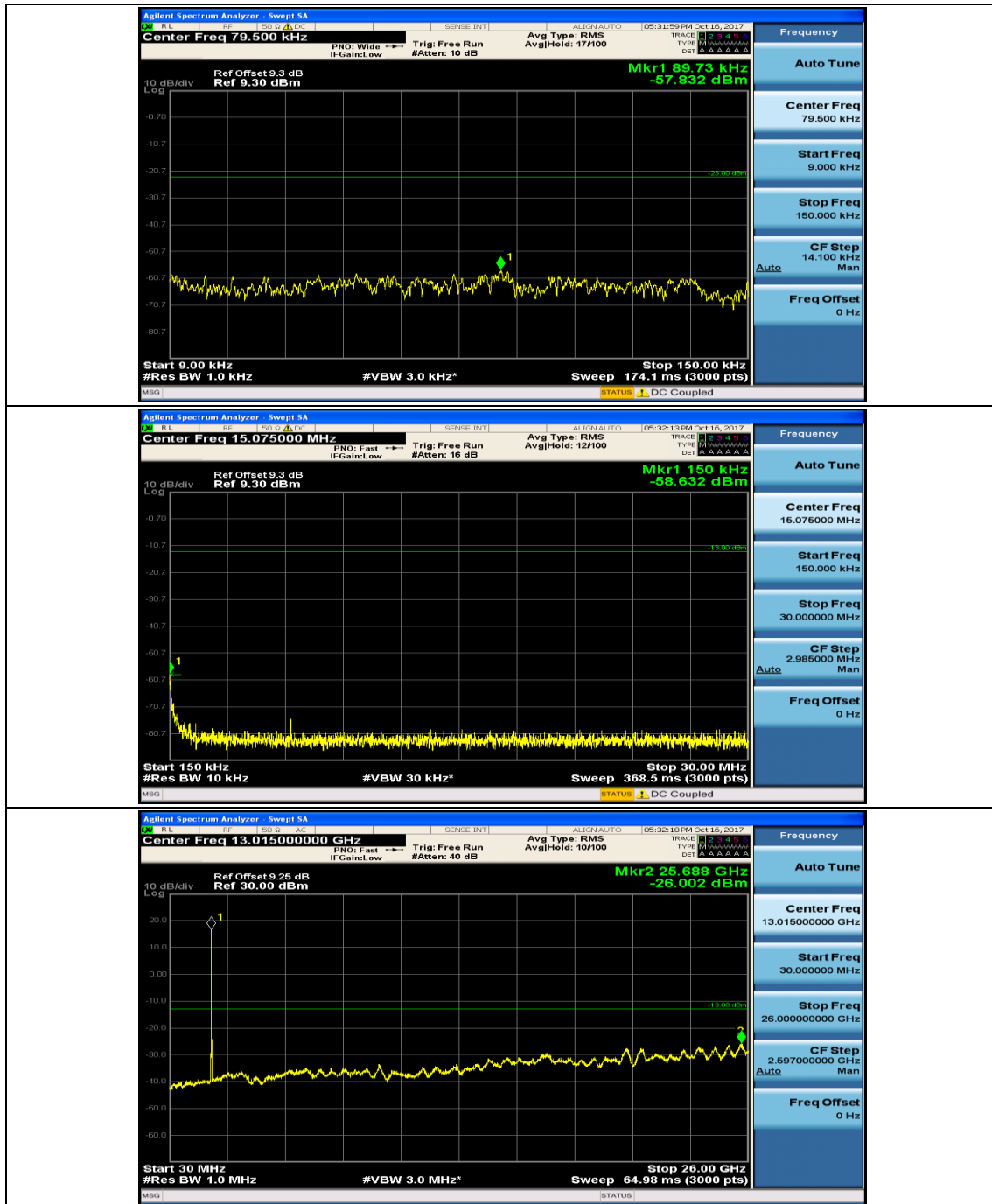


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#0

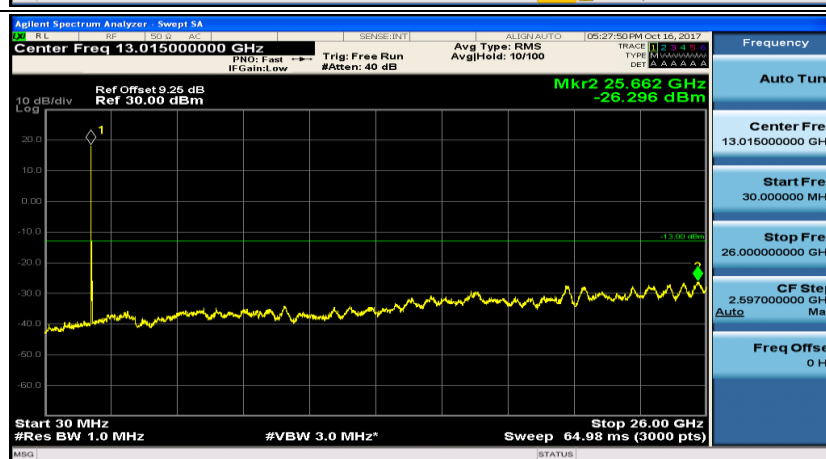
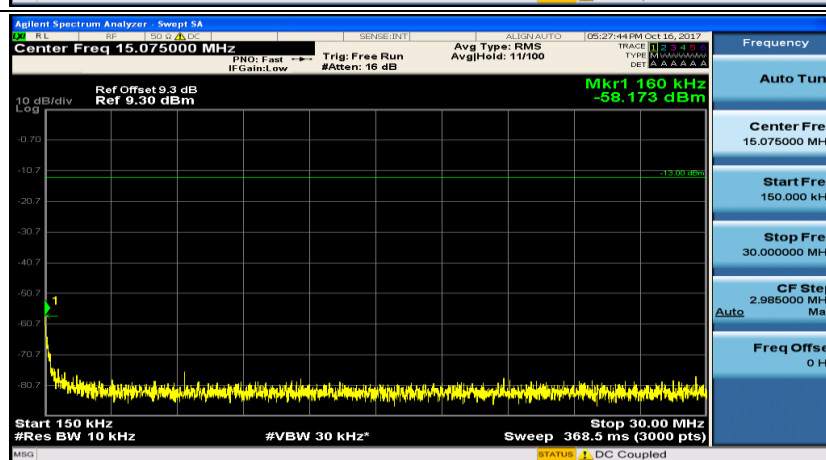
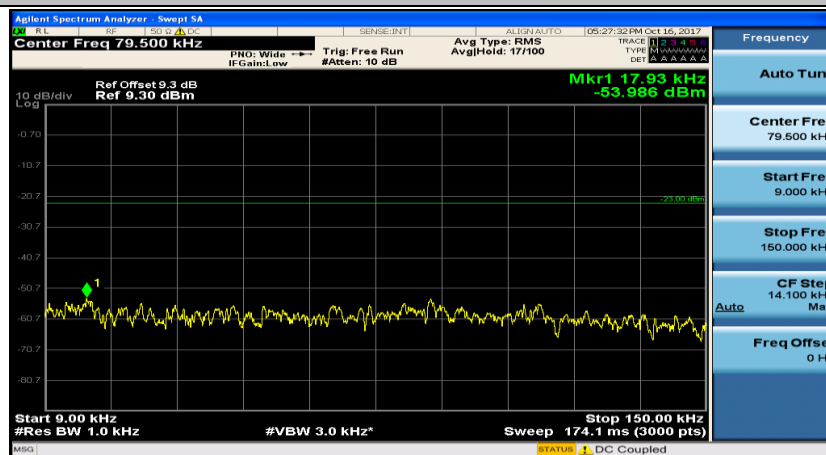


(Channel Bandwidth:20 MHz)_HCH_QPSK_1RB#49

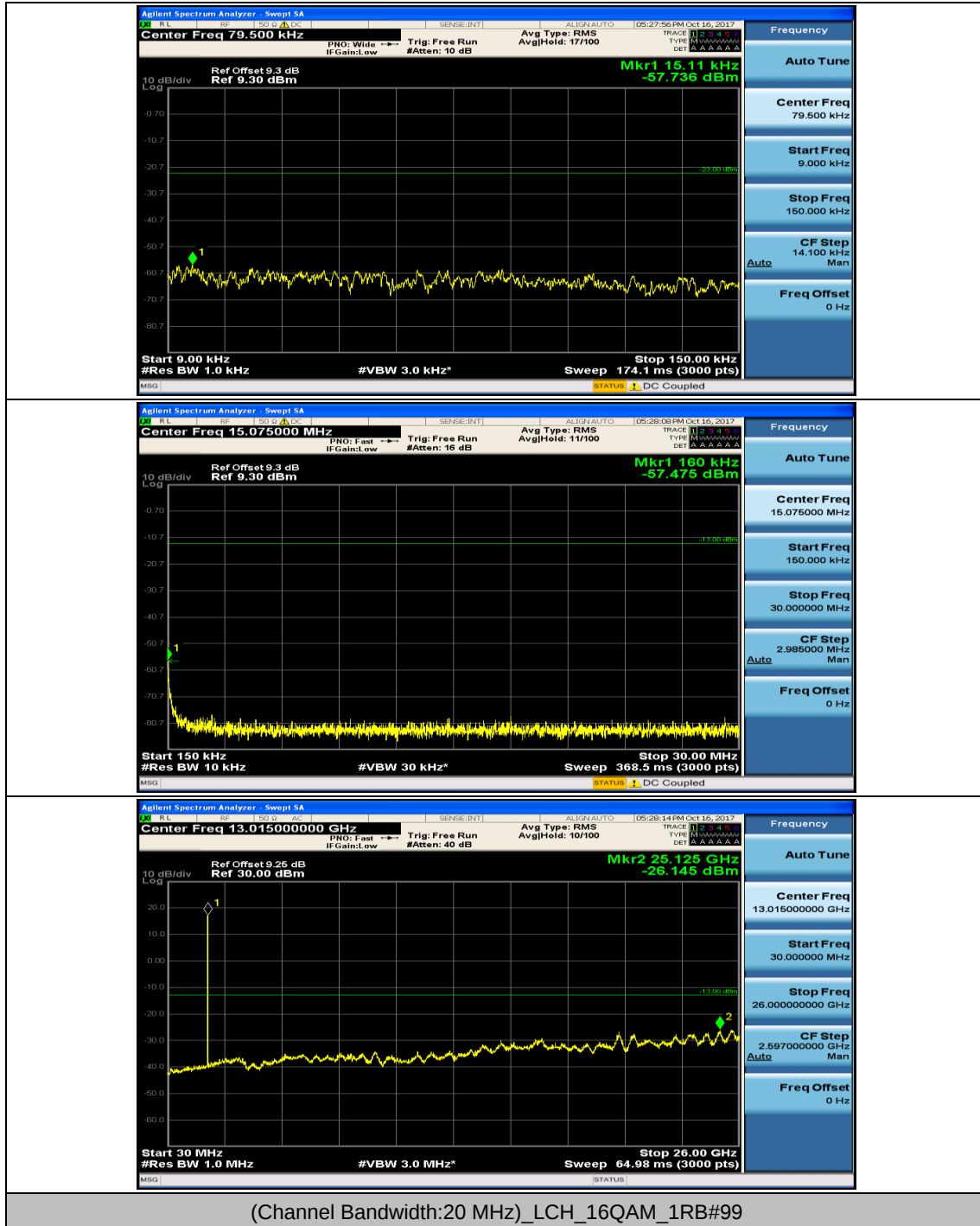


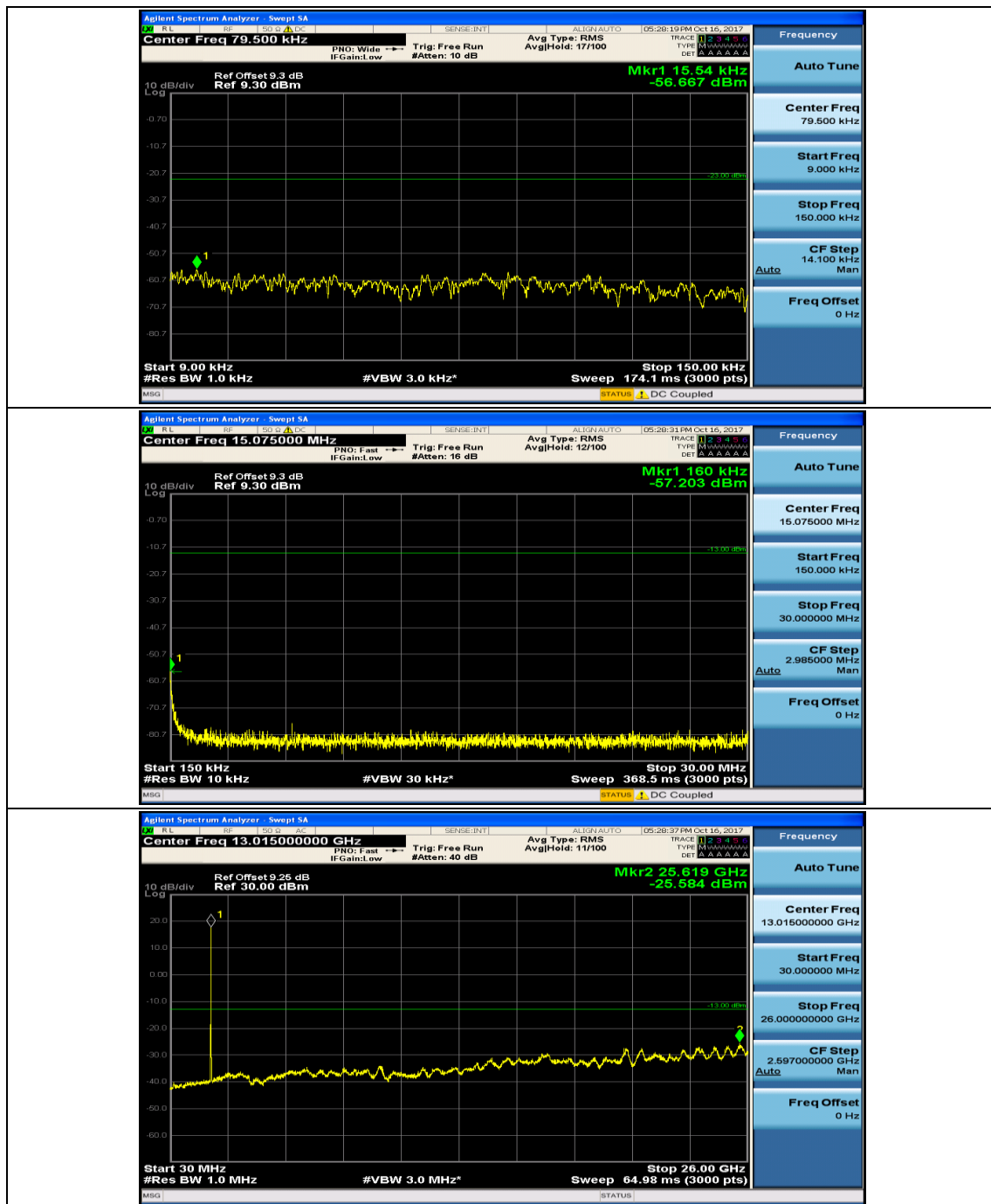


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#0

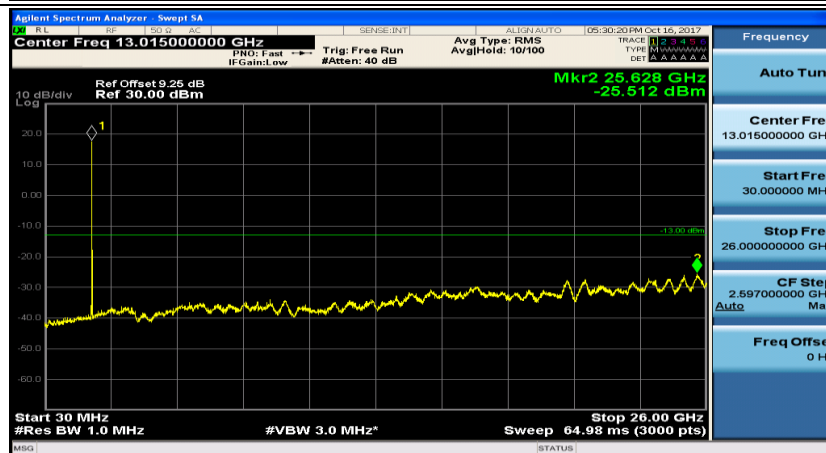
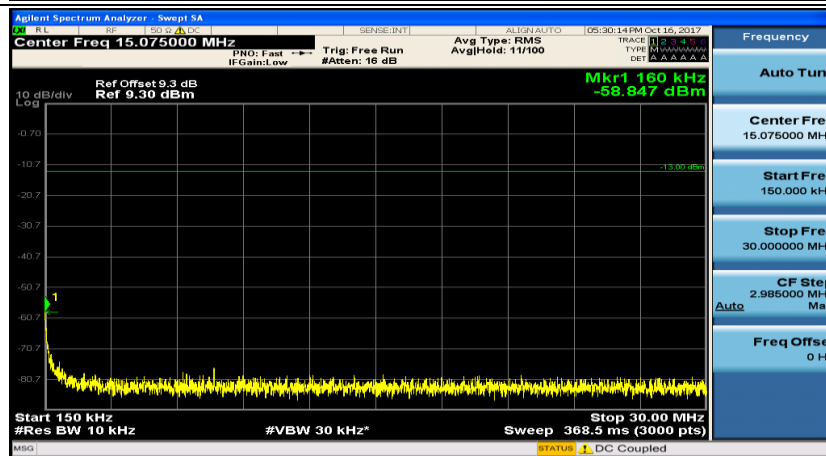
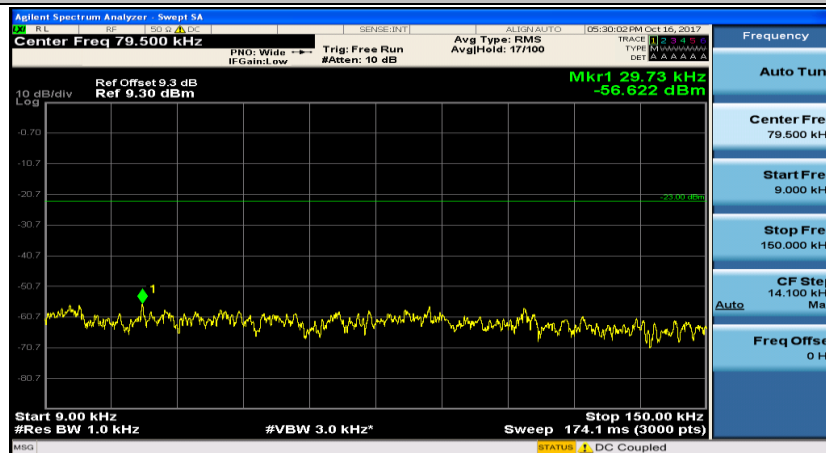


(Channel Bandwidth:20 MHz)_LCH_16QAM_1RB#49

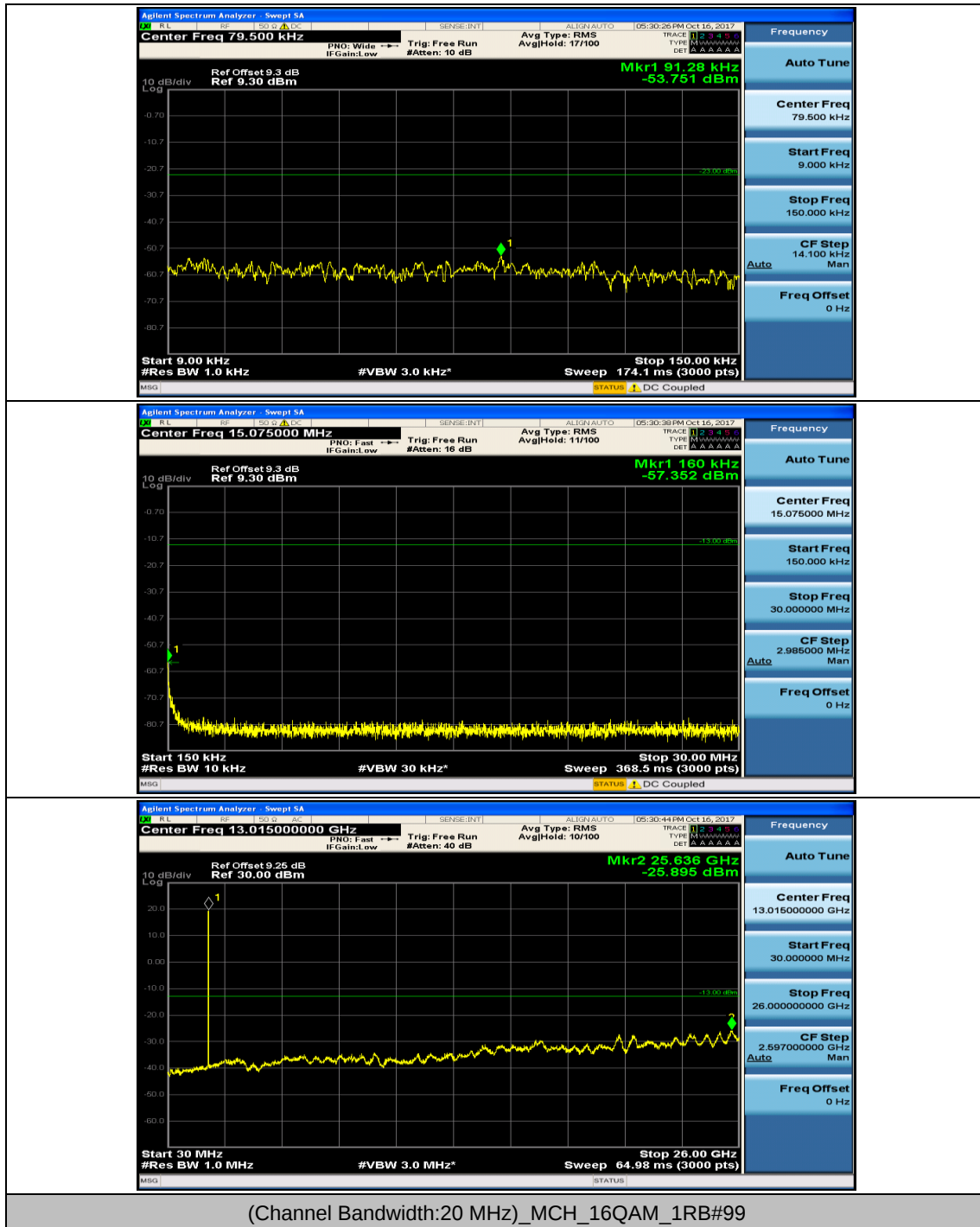


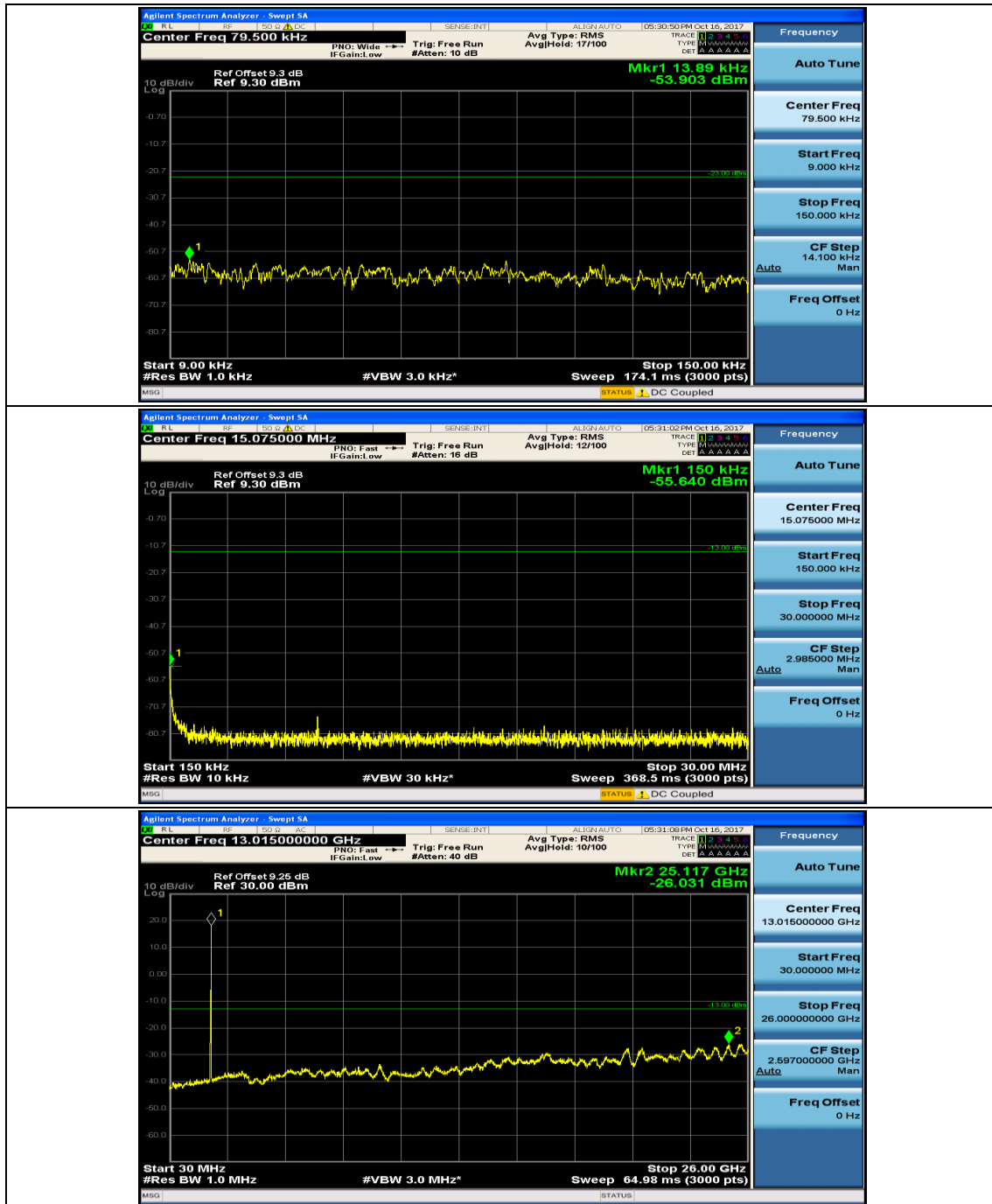


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#0

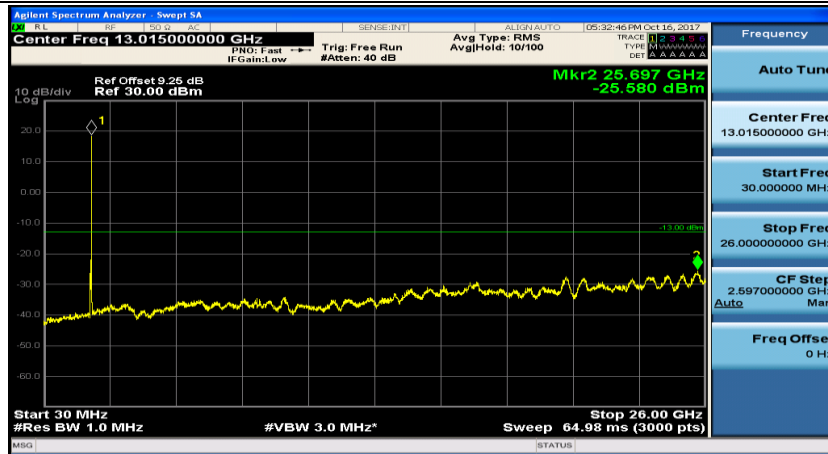
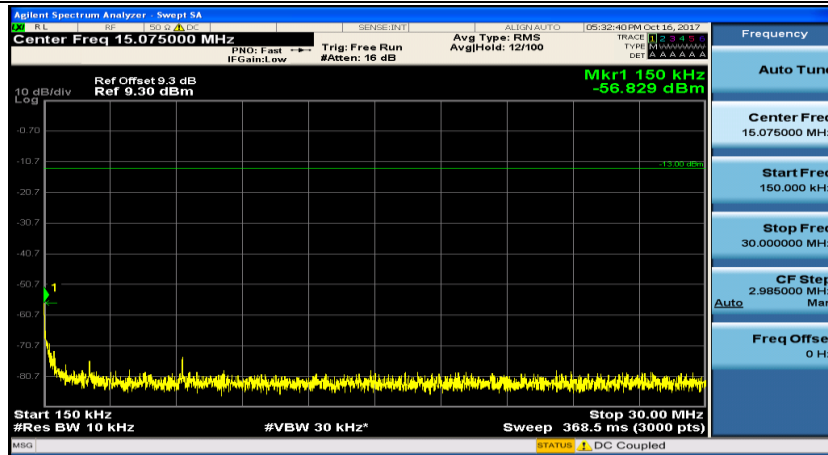
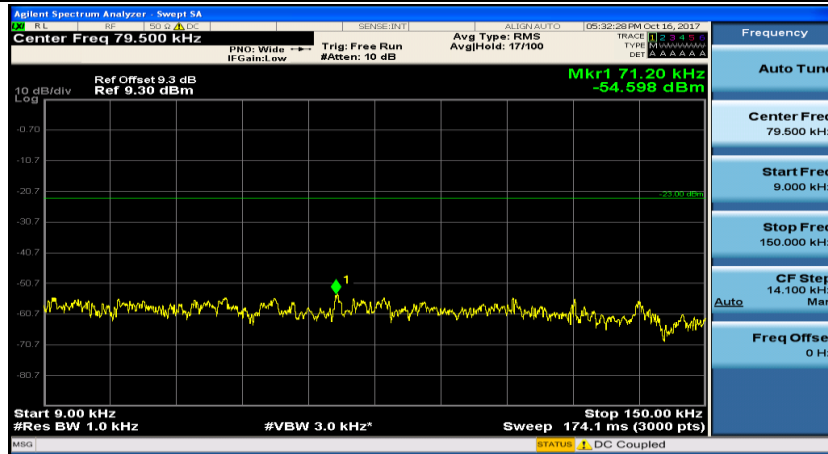


(Channel Bandwidth:20 MHz)_MCH_16QAM_1RB#49

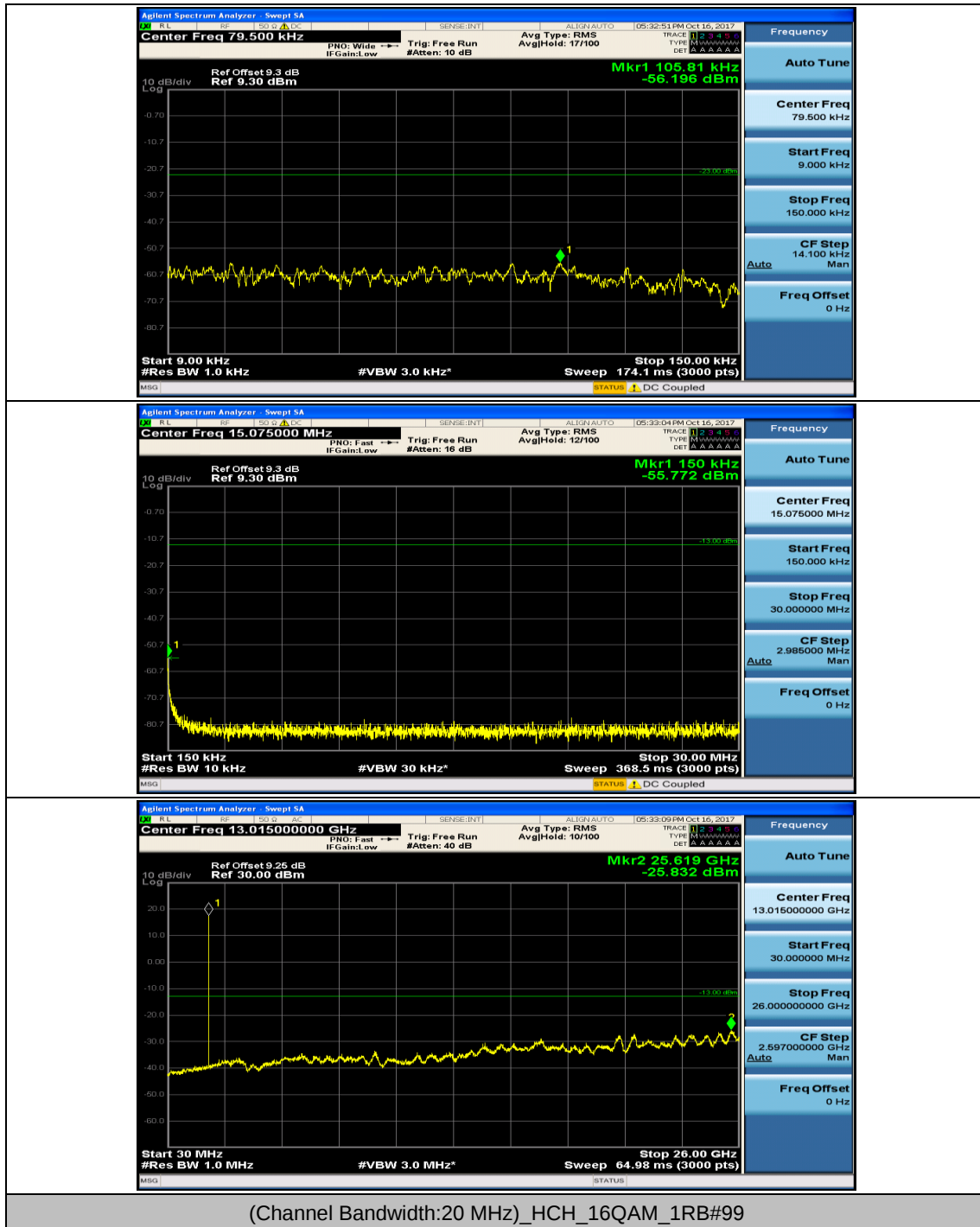


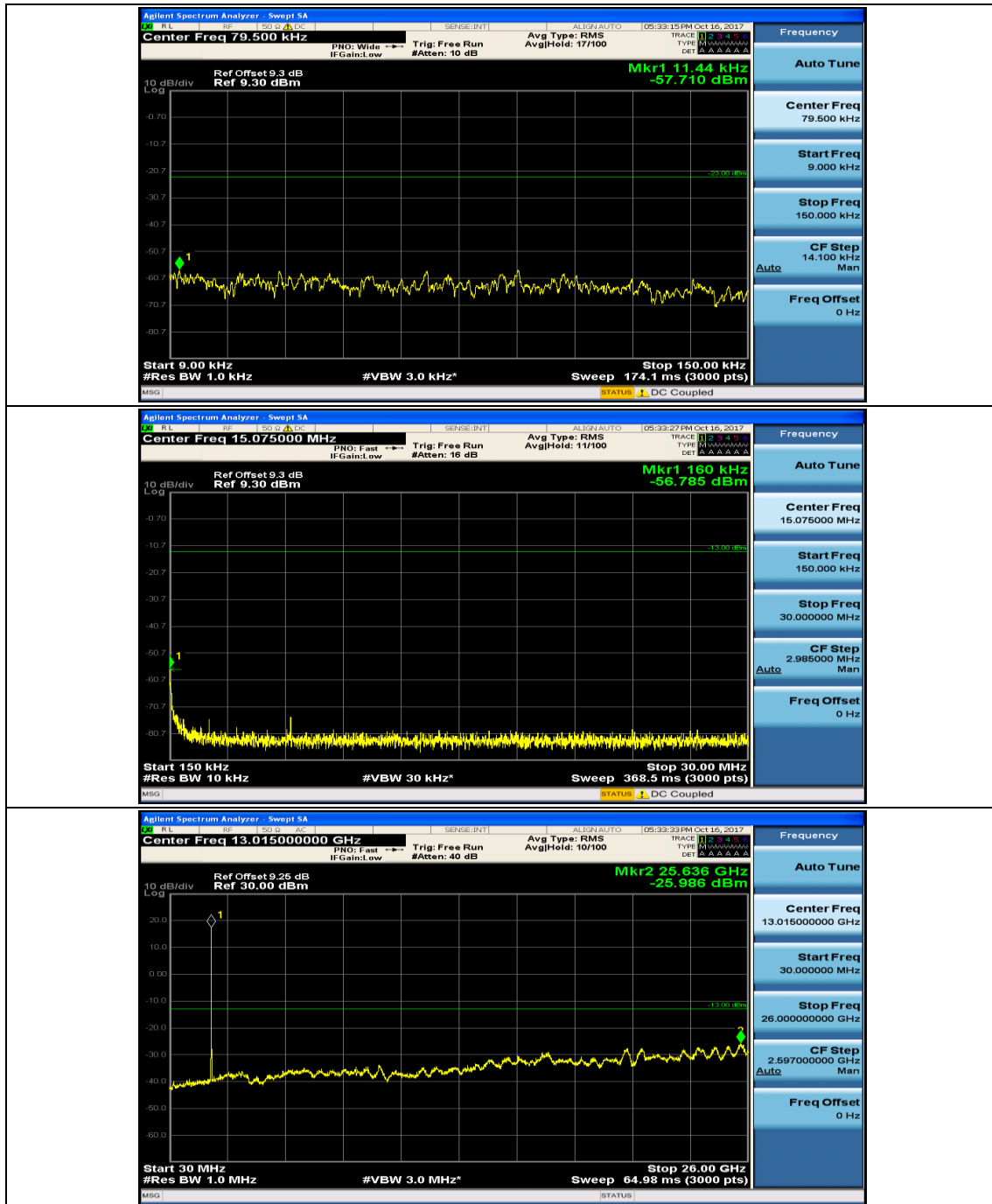


(Channel Bandwidth:20 MHz)_HCH_16QAM_1RB#0



(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	4.22	0.002269	± 2.5	PASS
		VN	TN	2.75	0.001478	± 2.5	PASS
		VH	TN	3.63	0.001952	± 2.5	PASS
	MCH	VL	TN	-1.03	-0.000548	± 2.5	PASS
		VN	TN	4.84	0.002574	± 2.5	PASS
		VH	TN	0	0.000000	± 2.5	PASS
	HCH	VL	TN	0.61	0.000321	± 2.5	PASS
		VN	TN	2.04	0.001074	± 2.5	PASS
		VH	TN	4.64	0.002442	± 2.5	PASS
16QAM	LCH	VL	TN	4.6	0.002473	± 2.5	PASS
		VN	TN	3.94	0.002118	± 2.5	PASS
		VH	TN	2.55	0.001371	± 2.5	PASS
	MCH	VL	TN	3.11	0.001654	± 2.5	PASS
		VN	TN	4.16	0.002213	± 2.5	PASS
		VH	TN	3.78	0.002011	± 2.5	PASS
	HCH	VL	TN	3.01	0.001584	± 2.5	PASS
		VN	TN	0.29	0.000153	± 2.5	PASS
		VH	TN	3.72	0.001958	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.99	0.001070	± 2.5	PASS
		VN	-20	3.83	0.002059	± 2.5	PASS
		VN	-10	3.83	0.002059	± 2.5	PASS
		VN	0	3.62	0.001946	± 2.5	PASS
		VN	10	1.34	0.000720	± 2.5	PASS
		VN	20	-1.92	-0.001032	± 2.5	PASS
		VN	30	2.46	0.001323	± 2.5	PASS
		VN	40	2.59	0.001392	± 2.5	PASS
		VN	50	-1.95	-0.001048	± 2.5	PASS
	MCH	VN	-30	-0.48	-0.000255	± 2.5	PASS
		VN	-20	0	0.000000	± 2.5	PASS

		VN	-10	0.42	0.000223	± 2.5	PASS
		VN	0	2.51	0.001335	± 2.5	PASS
		VN	10	3.63	0.001931	± 2.5	PASS
		VN	20	-0.93	-0.000495	± 2.5	PASS
		VN	30	1.75	0.000931	± 2.5	PASS
		VN	40	4.96	0.002638	± 2.5	PASS
		VN	50	3.76	0.002000	± 2.5	PASS
	HCH	VN	-30	4.14	0.002179	± 2.5	PASS
		VN	-20	1.96	0.001032	± 2.5	PASS
		VN	-10	3.69	0.001942	± 2.5	PASS
		VN	0	0.28	0.000147	± 2.5	PASS
		VN	10	-0.14	-0.000074	± 2.5	PASS
		VN	20	4.47	0.002353	± 2.5	PASS
		VN	30	2.04	0.001074	± 2.5	PASS
		VN	40	3.76	0.001979	± 2.5	PASS
		VN	50	-0.62	-0.000326	± 2.5	PASS
16QAM	LCH	VN	-30	-0.5	-0.000269	± 2.5	PASS
		VN	-20	3.91	0.002102	± 2.5	PASS
		VN	-10	1.15	0.000618	± 2.5	PASS
		VN	0	-0.07	-0.000038	± 2.5	PASS
		VN	10	3.23	0.001737	± 2.5	PASS
		VN	20	1.66	0.000892	± 2.5	PASS
		VN	30	0.21	0.000113	± 2.5	PASS
		VN	40	1.19	0.000640	± 2.5	PASS
		VN	50	-1.48	-0.000796	± 2.5	PASS
	MCH	VN	-30	2.28	0.001213	± 2.5	PASS
		VN	-20	2.24	0.001191	± 2.5	PASS
		VN	-10	2.09	0.001112	± 2.5	PASS
		VN	0	0.43	0.000229	± 2.5	PASS
		VN	10	4.28	0.002277	± 2.5	PASS
		VN	20	0.73	0.000388	± 2.5	PASS
		VN	30	2.36	0.001255	± 2.5	PASS
		VN	40	2.53	0.001346	± 2.5	PASS
		VN	50	1.46	0.000777	± 2.5	PASS
	HCH	VN	-30	2.16	0.001137	± 2.5	PASS
		VN	-20	1.66	0.000874	± 2.5	PASS
		VN	-10	2.57	0.001353	± 2.5	PASS
		VN	0	4.35	0.002289	± 2.5	PASS
		VN	10	0.37	0.000195	± 2.5	PASS
		VN	20	0.53	0.000279	± 2.5	PASS
		VN	30	-0.99	-0.000521	± 2.5	PASS

		VN	40	-1.16	-0.000611	± 2.5	PASS
		VN	50	4.26	0.002242	± 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	-0.15	-0.000081	± 2.5	PASS
		VN	TN	0.83	0.000446	± 2.5	PASS
		VH	TN	-1.25	-0.000672	± 2.5	PASS
	MCH	VL	TN	0.69	0.000367	± 2.5	PASS
		VN	TN	-0.93	-0.000495	± 2.5	PASS
		VH	TN	-1.54	-0.000819	± 2.5	PASS
	HCH	VL	TN	4.18	0.002200	± 2.5	PASS
		VN	TN	-1.91	-0.001005	± 2.5	PASS
		VH	TN	2.92	0.001537	± 2.5	PASS
16QAM	LCH	VL	TN	1.76	0.000946	± 2.5	PASS
		VN	TN	4.53	0.002435	± 2.5	PASS
		VH	TN	1.59	0.000855	± 2.5	PASS
	MCH	VL	TN	-0.98	-0.000521	± 2.5	PASS
		VN	TN	3.07	0.001633	± 2.5	PASS
		VH	TN	2.46	0.001309	± 2.5	PASS
	HCH	VL	TN	-1.18	-0.000621	± 2.5	PASS
		VN	TN	-1.77	-0.000932	± 2.5	PASS
		VH	TN	-1.78	-0.000937	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.19	0.002253	± 2.5	PASS
		VN	-20	-1.96	-0.001054	± 2.5	PASS
		VN	-10	4.68	0.002516	± 2.5	PASS
		VN	0	3.92	0.002108	± 2.5	PASS
		VN	10	0.44	0.000237	± 2.5	PASS
		VN	20	2.95	0.001586	± 2.5	PASS
		VN	30	4.68	0.002516	± 2.5	PASS
		VN	40	0.18	0.000097	± 2.5	PASS
		VN	50	0.82	0.000441	± 2.5	PASS
	MCH	VN	-30	2.46	0.001309	± 2.5	PASS
		VN	-20	1.5	0.000798	± 2.5	PASS
		VN	-10	4.77	0.002537	± 2.5	PASS

		VN	0	2.59	0.001378	± 2.5	PASS
		VN	10	1.57	0.000835	± 2.5	PASS
		VN	20	-1.74	-0.000926	± 2.5	PASS
		VN	30	-0.54	-0.000287	± 2.5	PASS
		VN	40	-0.07	-0.000037	± 2.5	PASS
		VN	50	-0.75	-0.000399	± 2.5	PASS
	HCH	VN	-30	4.73	0.002489	± 2.5	PASS
		VN	-20	-0.94	-0.000495	± 2.5	PASS
		VN	-10	0.5	0.000263	± 2.5	PASS
		VN	0	-1.28	-0.000674	± 2.5	PASS
		VN	10	1.08	0.000568	± 2.5	PASS
		VN	20	-0.01	-0.000005	± 2.5	PASS
		VN	30	0.24	0.000126	± 2.5	PASS
		VN	40	2.34	0.001232	± 2.5	PASS
		VN	50	-1.05	-0.000553	± 2.5	PASS
QPSK	LCH	VN	-30	3.78	0.002032	± 2.5	PASS
		VN	-20	3.02	0.001624	± 2.5	PASS
		VN	-10	3.42	0.001839	± 2.5	PASS
		VN	0	4.35	0.002339	± 2.5	PASS
		VN	10	2.22	0.001194	± 2.5	PASS
		VN	20	3.7	0.001989	± 2.5	PASS
		VN	30	-1.79	-0.000962	± 2.5	PASS
		VN	40	2.2	0.001183	± 2.5	PASS
		VN	50	0.71	0.000382	± 2.5	PASS
	MCH	VN	-30	4.23	0.002250	± 2.5	PASS
		VN	-20	-0.13	-0.000069	± 2.5	PASS
		VN	-10	2.14	0.001138	± 2.5	PASS
		VN	0	4.42	0.002351	± 2.5	PASS
		VN	10	3.2	0.001702	± 2.5	PASS
		VN	20	4.14	0.002202	± 2.5	PASS
		VN	30	0.43	0.000229	± 2.5	PASS
		VN	40	-0.99	-0.000527	± 2.5	PASS
		VN	50	4.68	0.002489	± 2.5	PASS
	HCH	VN	-30	-1.57	-0.000826	± 2.5	PASS
		VN	-20	1.1	0.000579	± 2.5	PASS
		VN	-10	0.89	0.000468	± 2.5	PASS
		VN	0	4.16	0.002189	± 2.5	PASS
		VN	10	2.55	0.001342	± 2.5	PASS
		VN	20	3	0.001579	± 2.5	PASS
		VN	30	2.91	0.001532	± 2.5	PASS
		VN	40	-1.77	-0.000932	± 2.5	PASS

		VN	50	3.38	0.001779	± 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	4.65	0.002500	± 2.5	PASS
		VN	TN	0.27	0.000145	± 2.5	PASS
		VH	TN	1.33	0.000715	± 2.5	PASS
	MCH	VL	TN	3.74	0.001989	± 2.5	PASS
		VN	TN	4.02	0.002138	± 2.5	PASS
		VH	TN	4.15	0.002207	± 2.5	PASS
	HCH	VL	TN	-1.41	-0.000742	± 2.5	PASS
		VN	TN	4.24	0.002232	± 2.5	PASS
		VH	TN	-1.31	-0.000689	± 2.5	PASS
16QAM	LCH	VL	TN	1.78	0.000957	± 2.5	PASS
		VN	TN	2.61	0.001403	± 2.5	PASS
		VH	TN	-0.77	-0.000414	± 2.5	PASS
	MCH	VL	TN	-1.29	-0.000686	± 2.5	PASS
		VN	TN	0.76	0.000404	± 2.5	PASS
		VH	TN	0.23	0.000122	± 2.5	PASS
	HCH	VL	TN	3.87	0.002037	± 2.5	PASS
		VN	TN	-1.13	-0.000595	± 2.5	PASS
		VH	TN	1.2	0.000632	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.86	0.001538	± 2.5	PASS
		VN	-20	-1.48	-0.000796	± 2.5	PASS
		VN	-10	3.86	0.002075	± 2.5	PASS
		VN	0	2.9	0.001559	± 2.5	PASS
		VN	10	0	0.000000	± 2.5	PASS
		VN	20	-1.12	-0.000602	± 2.5	PASS
		VN	30	4.11	0.002210	± 2.5	PASS
		VN	40	-1.9	-0.001022	± 2.5	PASS
		VN	50	0.11	0.000059	± 2.5	PASS
	MCH	VN	-30	-0.05	-0.000027	± 2.5	PASS
		VN	-20	4.1	0.002181	± 2.5	PASS
		VN	-10	-0.74	-0.000394	± 2.5	PASS
		VN	0	1.01	0.000537	± 2.5	PASS

		VN	10	1.96	0.001043	± 2.5	PASS
		VN	20	3.36	0.001787	± 2.5	PASS
		VN	30	0.85	0.000452	± 2.5	PASS
		VN	40	2.05	0.001090	± 2.5	PASS
		VN	50	-1.17	-0.000622	± 2.5	PASS
	HCH	VN	-30	-0.05	-0.000026	± 2.5	PASS
		VN	-20	0.94	0.000495	± 2.5	PASS
		VN	-10	-0.91	-0.000479	± 2.5	PASS
		VN	0	2.22	0.001168	± 2.5	PASS
		VN	10	-0.28	-0.000147	± 2.5	PASS
		VN	20	1.09	0.000574	± 2.5	PASS
		VN	30	4.24	0.002232	± 2.5	PASS
		VN	40	-0.4	-0.000211	± 2.5	PASS
		VN	50	2.26	0.001189	± 2.5	PASS
		VN	-30	0	0.000000	± 2.5	PASS
		VN	-20	3.01	0.001618	± 2.5	PASS
		VN	-10	-0.17	-0.000091	± 2.5	PASS
		VN	0	-1.85	-0.000995	± 2.5	PASS
		VN	10	-0.49	-0.000263	± 2.5	PASS
		VN	20	3.77	0.002027	± 2.5	PASS
16QAM	LCH	VN	30	1.76	0.000946	± 2.5	PASS
		VN	40	-1.32	-0.000710	± 2.5	PASS
		VN	50	1.27	0.000683	± 2.5	PASS
	MCH	VN	-30	4.85	0.002580	± 2.5	PASS
		VN	-20	1.83	0.000973	± 2.5	PASS
		VN	-10	4.17	0.002218	± 2.5	PASS
		VN	0	2.54	0.001351	± 2.5	PASS
		VN	10	1.5	0.000798	± 2.5	PASS
		VN	20	3.26	0.001734	± 2.5	PASS
		VN	30	3.07	0.001633	± 2.5	PASS
		VN	40	-0.14	-0.000074	± 2.5	PASS
		VN	50	2.96	0.001574	± 2.5	PASS
	HCH	VN	-30	1.52	0.000800	± 2.5	PASS
		VN	-20	1.93	0.001016	± 2.5	PASS
		VN	-10	-1.98	-0.001042	± 2.5	PASS
		VN	0	4.73	0.002489	± 2.5	PASS
		VN	10	0.1	0.000053	± 2.5	PASS
		VN	20	0.19	0.000100	± 2.5	PASS
		VN	30	0.77	0.000405	± 2.5	PASS
		VN	40	-1.82	-0.000958	± 2.5	PASS
		VN	50	-1.26	-0.000663	± 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	0.07	0.000038	± 2.5	PASS
		VN	TN	4.2	0.002258	± 2.5	PASS
		VH	TN	-0.36	-0.000194	± 2.5	PASS
	MCH	VL	TN	-0.62	-0.000330	± 2.5	PASS
		VN	TN	0.49	0.000261	± 2.5	PASS
		VH	TN	4.57	0.002431	± 2.5	PASS
	HCH	VL	TN	3.37	0.001774	± 2.5	PASS
		VN	TN	2.65	0.001395	± 2.5	PASS
		VH	TN	0.29	0.000153	± 2.5	PASS
16QAM	LCH	VL	TN	-0.06	-0.000032	± 2.5	PASS
		VN	TN	-0.8	-0.000430	± 2.5	PASS
		VH	TN	3.07	0.001651	± 2.5	PASS
	MCH	VL	TN	2.53	0.001346	± 2.5	PASS
		VN	TN	3.52	0.001872	± 2.5	PASS
		VH	TN	4.31	0.002293	± 2.5	PASS
	HCH	VL	TN	-1.26	-0.000663	± 2.5	PASS
		VN	TN	3.65	0.001921	± 2.5	PASS
		VH	TN	-0.39	-0.000205	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
16QAM	LCH	VN	-30	-0.85	-0.000457	± 2.5	PASS
		VN	-20	-1.11	-0.000597	± 2.5	PASS
		VN	-10	2.64	0.001419	± 2.5	PASS
		VN	0	3.75	0.002016	± 2.5	PASS
		VN	10	1.3	0.000699	± 2.5	PASS
		VN	20	2.1	0.001129	± 2.5	PASS
		VN	30	4.13	0.002220	± 2.5	PASS
		VN	40	3.8	0.002043	± 2.5	PASS
		VN	50	3.04	0.001634	± 2.5	PASS
	MCH	VN	-30	1.73	0.000920	± 2.5	PASS
		VN	-20	3.15	0.001676	± 2.5	PASS
		VN	-10	4.72	0.002511	± 2.5	PASS
		VN	0	2.33	0.001239	± 2.5	PASS
		VN	10	1.47	0.000782	± 2.5	PASS
		VN	20	4.29	0.002282	± 2.5	PASS

		VN	30	4.71	0.002505	± 2.5	PASS
		VN	40	4.66	0.002479	± 2.5	PASS
		VN	50	2.4	0.001277	± 2.5	PASS
	HCH	VN	-30	-0.37	-0.000195	± 2.5	PASS
		VN	-20	-0.49	-0.000258	± 2.5	PASS
		VN	-10	3.66	0.001926	± 2.5	PASS
		VN	0	2.38	0.001253	± 2.5	PASS
		VN	10	-0.55	-0.000289	± 2.5	PASS
		VN	20	1.58	0.000832	± 2.5	PASS
		VN	30	3.72	0.001958	± 2.5	PASS
		VN	40	-0.98	-0.000516	± 2.5	PASS
		VN	50	2.77	0.001458	± 2.5	PASS
QPSK	LCH	VN	-30	-0.47	-0.000253	± 2.5	PASS
		VN	-20	2.53	0.001360	± 2.5	PASS
		VN	-10	4.84	0.002602	± 2.5	PASS
		VN	0	2.49	0.001339	± 2.5	PASS
		VN	10	0.79	0.000425	± 2.5	PASS
		VN	20	4.24	0.002280	± 2.5	PASS
		VN	30	3.4	0.001828	± 2.5	PASS
		VN	40	1.42	0.000763	± 2.5	PASS
		VN	50	2.18	0.001172	± 2.5	PASS
	MCH	VN	-30	3.14	0.001670	± 2.5	PASS
		VN	-20	4.12	0.002191	± 2.5	PASS
		VN	-10	-1.45	-0.000771	± 2.5	PASS
		VN	0	-1.97	-0.001048	± 2.5	PASS
		VN	10	3.97	0.002112	± 2.5	PASS
		VN	20	4.43	0.002356	± 2.5	PASS
		VN	30	4.06	0.002160	± 2.5	PASS
		VN	40	0.6	0.000319	± 2.5	PASS
		VN	50	-1.75	-0.000931	± 2.5	PASS
	HCH	VN	-30	2.17	0.001142	± 2.5	PASS
		VN	-20	-0.75	-0.000395	± 2.5	PASS
		VN	-10	3.53	0.001858	± 2.5	PASS
		VN	0	2.45	0.001289	± 2.5	PASS
		VN	10	0.06	0.000032	± 2.5	PASS
		VN	20	3.49	0.001837	± 2.5	PASS
		VN	30	2.68	0.001411	± 2.5	PASS
		VN	40	2.07	0.001089	± 2.5	PASS
		VN	50	0.63	0.000332	± 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	4.2	0.002258	± 2.5	PASS
		VN	TN	1.89	0.001016	± 2.5	PASS
		VH	TN	0.76	0.000409	± 2.5	PASS
	MCH	VL	TN	4.39	0.002335	± 2.5	PASS
		VN	TN	-1.8	-0.000957	± 2.5	PASS
		VH	TN	4.22	0.002245	± 2.5	PASS
	HCH	VL	TN	2.27	0.001195	± 2.5	PASS
		VN	TN	-0.88	-0.000463	± 2.5	PASS
		VH	TN	-1.17	-0.000616	± 2.5	PASS
16QAM	LCH	VL	TN	-1.74	-0.000935	± 2.5	PASS
		VN	TN	-1.86	-0.001000	± 2.5	PASS
		VH	TN	2.23	0.001199	± 2.5	PASS
	MCH	VL	TN	3.2	0.001702	± 2.5	PASS
		VN	TN	-1.79	-0.000952	± 2.5	PASS
		VH	TN	1.27	0.000676	± 2.5	PASS
	HCH	VL	TN	2.6	0.001368	± 2.5	PASS
		VN	TN	3.59	0.001889	± 2.5	PASS
		VH	TN	3.31	0.001742	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.34	0.000183	± 2.5	PASS
		VN	-20	-0.66	-0.000355	± 2.5	PASS
		VN	-10	-1.8	-0.000968	± 2.5	PASS
		VN	0	-1.56	-0.000839	± 2.5	PASS
		VN	10	4.45	0.002392	± 2.5	PASS
		VN	20	-1.34	-0.000720	± 2.5	PASS
		VN	30	-0.47	-0.000253	± 2.5	PASS
		VN	40	2.17	0.001167	± 2.5	PASS
		VN	50	1.73	0.000930	± 2.5	PASS
	MCH	VN	-30	4.32	0.002298	± 2.5	PASS
		VN	-20	1.41	0.000750	± 2.5	PASS
		VN	-10	3.53	0.001878	± 2.5	PASS
		VN	0	-1.38	-0.000734	± 2.5	PASS
		VN	10	3.82	0.002032	± 2.5	PASS
		VN	20	0.96	0.000511	± 2.5	PASS

		VN	30	2.97	0.001580	± 2.5	PASS
		VN	40	4.88	0.002596	± 2.5	PASS
		VN	50	0.05	0.000027	± 2.5	PASS
	HCH	VN	-30	1.75	0.000921	± 2.5	PASS
		VN	-20	4.24	0.002232	± 2.5	PASS
		VN	-10	4.49	0.002363	± 2.5	PASS
		VN	0	1.32	0.000695	± 2.5	PASS
		VN	10	0.58	0.000305	± 2.5	PASS
		VN	20	1.4	0.000737	± 2.5	PASS
		VN	30	1.76	0.000926	± 2.5	PASS
		VN	40	-1.17	-0.000616	± 2.5	PASS
		VN	50	-1.45	-0.000763	± 2.5	PASS
QPSK	LCH	VN	-30	-0.87	-0.000468	± 2.5	PASS
		VN	-20	3.85	0.002070	± 2.5	PASS
		VN	-10	1.61	0.000866	± 2.5	PASS
		VN	0	2.18	0.001172	± 2.5	PASS
		VN	10	-2	-0.001075	± 2.5	PASS
		VN	20	-0.95	-0.000511	± 2.5	PASS
		VN	30	2.16	0.001161	± 2.5	PASS
		VN	40	3.23	0.001737	± 2.5	PASS
		VN	50	1.07	0.000575	± 2.5	PASS
	MCH	VN	-30	1.65	0.000878	± 2.5	PASS
		VN	-20	1.82	0.000968	± 2.5	PASS
		VN	-10	4.07	0.002165	± 2.5	PASS
		VN	0	4.91	0.002612	± 2.5	PASS
		VN	10	1.49	0.000793	± 2.5	PASS
		VN	20	2.09	0.001112	± 2.5	PASS
		VN	30	-0.81	-0.000431	± 2.5	PASS
		VN	40	2.01	0.001069	± 2.5	PASS
		VN	50	2.96	0.001574	± 2.5	PASS
	HCH	VN	-30	2.15	0.001132	± 2.5	PASS
		VN	-20	2.33	0.001226	± 2.5	PASS
		VN	-10	0.67	0.000353	± 2.5	PASS
		VN	0	2.3	0.001211	± 2.5	PASS
		VN	10	1.9	0.001000	± 2.5	PASS
		VN	20	2.81	0.001479	± 2.5	PASS
		VN	30	0.82	0.000432	± 2.5	PASS
		VN	40	-0.38	-0.000200	± 2.5	PASS
		VN	50	-1.11	-0.000584	± 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	4.04	0.002172	± 2.5	PASS
		VN	TN	-1.24	-0.000667	± 2.5	PASS
		VH	TN	3.28	0.001763	± 2.5	PASS
	MCH	VL	TN	1.42	0.000755	± 2.5	PASS
		VN	TN	-0.9	-0.000479	± 2.5	PASS
		VH	TN	4.08	0.002170	± 2.5	PASS
	HCH	VL	TN	4.85	0.002553	± 2.5	PASS
		VN	TN	4.64	0.002442	± 2.5	PASS
		VH	TN	0.23	0.000121	± 2.5	PASS
16QAM	LCH	VL	TN	3.53	0.001898	± 2.5	PASS
		VN	TN	-0.55	-0.000296	± 2.5	PASS
		VH	TN	1.05	0.000565	± 2.5	PASS
	MCH	VL	TN	0.02	0.000011	± 2.5	PASS
		VN	TN	4.13	0.002197	± 2.5	PASS
		VH	TN	0.89	0.000473	± 2.5	PASS
	HCH	VL	TN	1.92	0.001011	± 2.5	PASS
		VN	TN	0.59	0.000311	± 2.5	PASS
		VH	TN	0.6	0.000316	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	4.64	0.002495	± 2.5	PASS
		VN	-20	0.92	0.000495	± 2.5	PASS
		VN	-10	1.07	0.000575	± 2.5	PASS
		VN	0	0.24	0.000129	± 2.5	PASS
		VN	10	-0.35	-0.000188	± 2.5	PASS
		VN	20	4.13	0.002220	± 2.5	PASS
		VN	30	-1.13	-0.000608	± 2.5	PASS
		VN	40	1.56	0.000839	± 2.5	PASS
		VN	50	4.91	0.002640	± 2.5	PASS
	MCH	VN	-30	2.39	0.001271	± 2.5	PASS
		VN	-20	-0.7	-0.000372	± 2.5	PASS
		VN	-10	-1.64	-0.000872	± 2.5	PASS
		VN	0	2.4	0.001277	± 2.5	PASS
		VN	10	3.59	0.001910	± 2.5	PASS
		VN	20	-1.03	-0.000548	± 2.5	PASS

		VN	30	-1.44	-0.000766	± 2.5	PASS
		VN	40	-0.18	-0.000096	± 2.5	PASS
		VN	50	2.71	0.001441	± 2.5	PASS
	HCH	VN	-30	-0.51	-0.000268	± 2.5	PASS
		VN	-20	3.07	0.001616	± 2.5	PASS
		VN	-10	1.26	0.000663	± 2.5	PASS
		VN	0	-0.89	-0.000468	± 2.5	PASS
		VN	10	-1.98	-0.001042	± 2.5	PASS
		VN	20	3.72	0.001958	± 2.5	PASS
		VN	30	4.58	0.002411	± 2.5	PASS
		VN	40	1.58	0.000832	± 2.5	PASS
		VN	50	3.23	0.001700	± 2.5	PASS
QPSK	LCH	VN	-30	3.45	0.001855	± 2.5	PASS
		VN	-20	1.75	0.000941	± 2.5	PASS
		VN	-10	4.06	0.002183	± 2.5	PASS
		VN	0	4.98	0.002677	± 2.5	PASS
		VN	10	-0.87	-0.000468	± 2.5	PASS
		VN	20	-0.86	-0.000462	± 2.5	PASS
		VN	30	2.37	0.001274	± 2.5	PASS
		VN	40	-0.05	-0.000027	± 2.5	PASS
		VN	50	-0.24	-0.000129	± 2.5	PASS
	MCH	VN	-30	-1.16	-0.000617	± 2.5	PASS
		VN	-20	-1.63	-0.000867	± 2.5	PASS
		VN	-10	4.48	0.002383	± 2.5	PASS
		VN	0	0.01	0.000005	± 2.5	PASS
		VN	10	1.07	0.000569	± 2.5	PASS
		VN	20	-0.1	-0.000053	± 2.5	PASS
		VN	30	3	0.001596	± 2.5	PASS
		VN	40	4.07	0.002165	± 2.5	PASS
		VN	50	2.63	0.001399	± 2.5	PASS
	HCH	VN	-30	3.47	0.001826	± 2.5	PASS
		VN	-20	-0.14	-0.000074	± 2.5	PASS
		VN	-10	2.64	0.001389	± 2.5	PASS
		VN	0	1.55	0.000816	± 2.5	PASS
		VN	10	1.75	0.000921	± 2.5	PASS
		VN	20	2.09	0.001100	± 2.5	PASS
		VN	30	4.86	0.002558	± 2.5	PASS
		VN	40	0.52	0.000274	± 2.5	PASS
		VN	50	4.95	0.002605	± 2.5	PASS