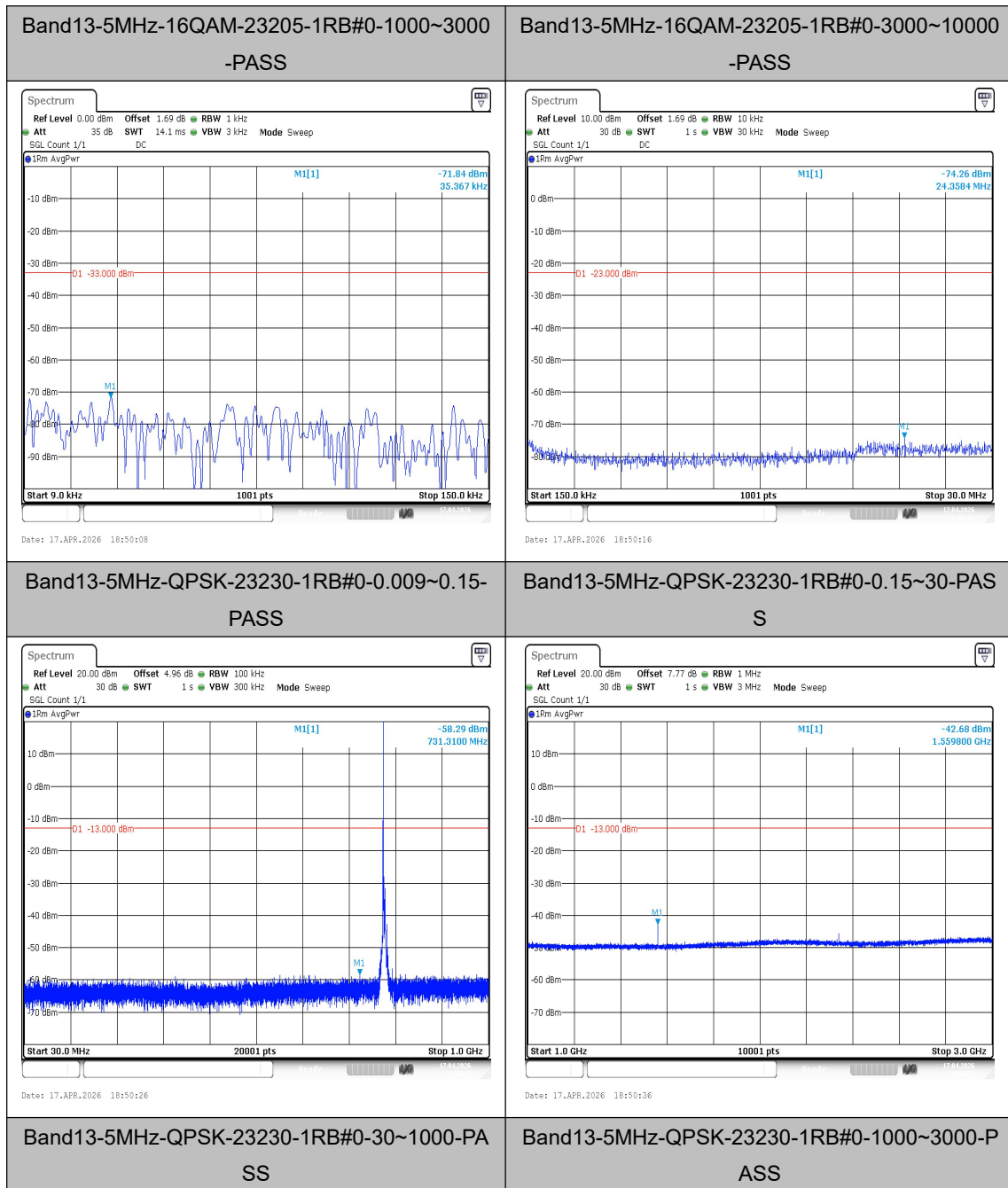
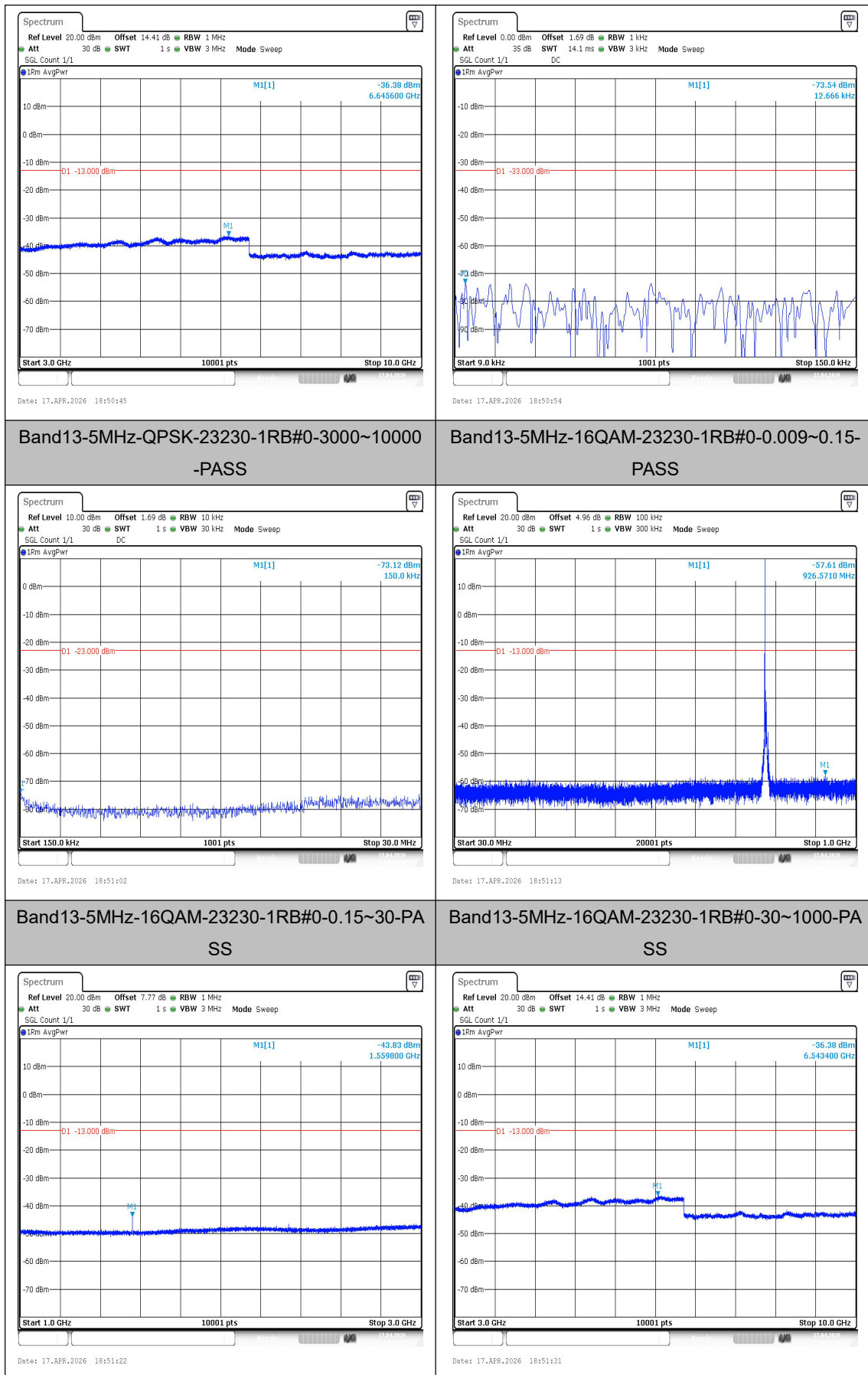
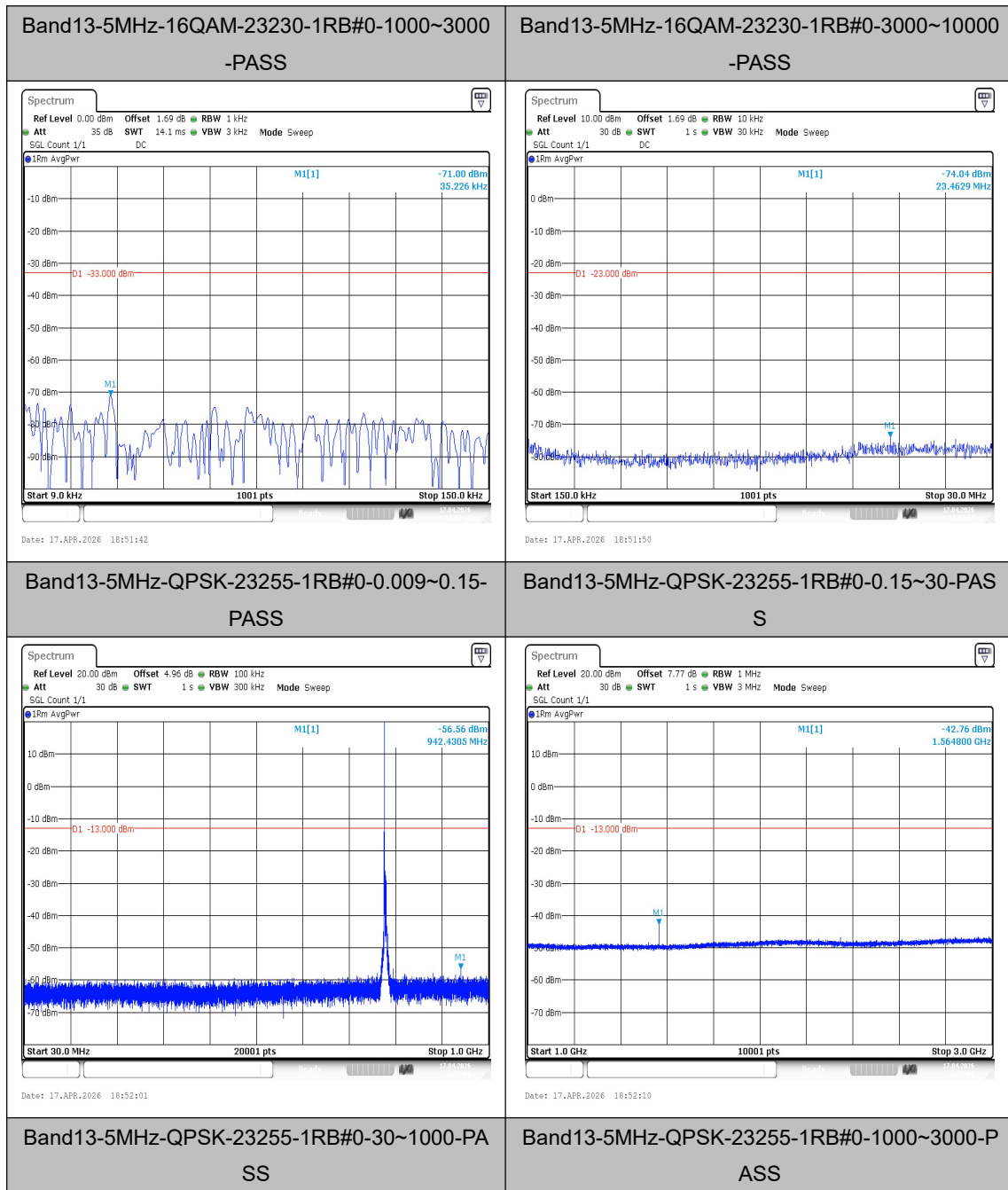
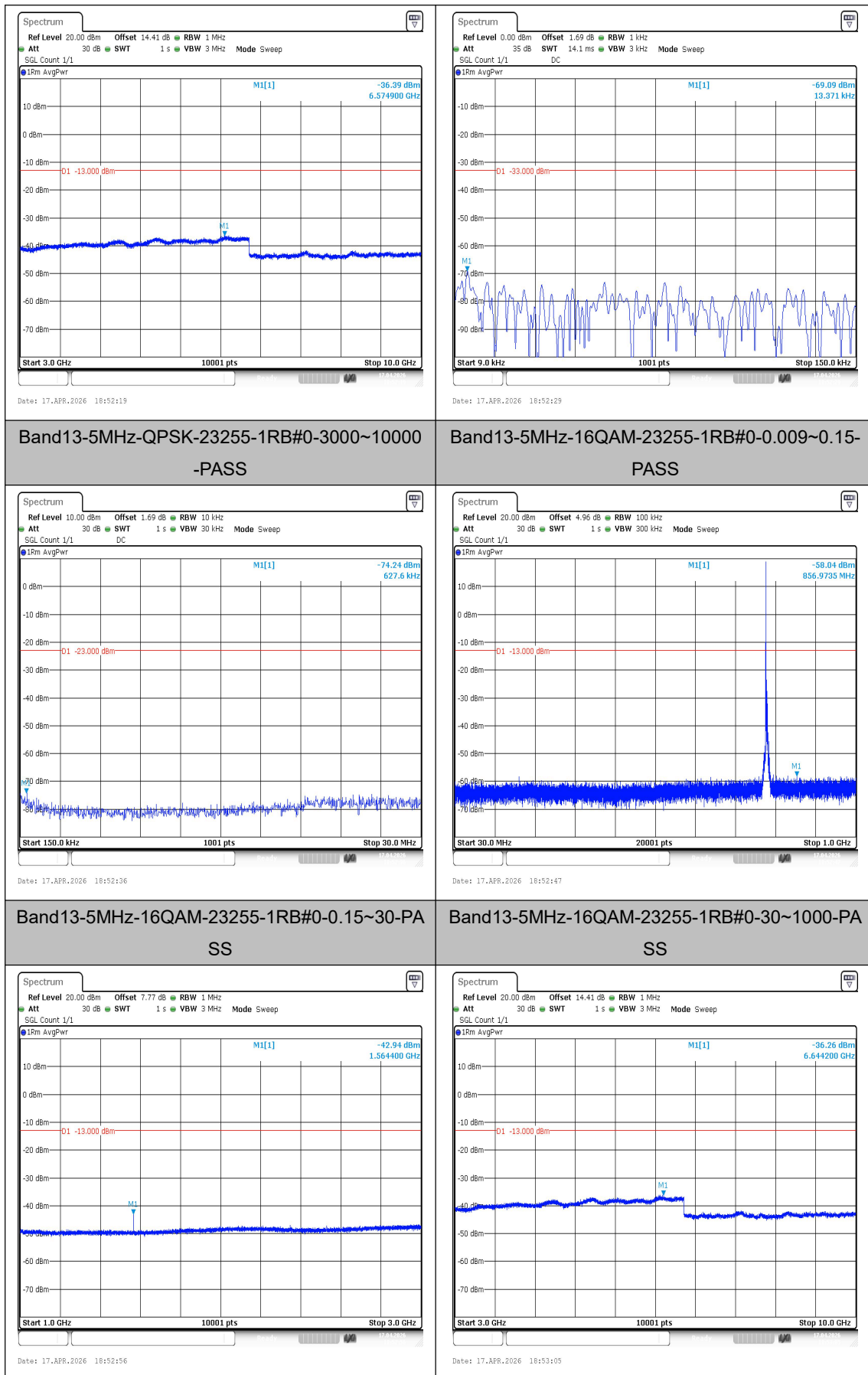
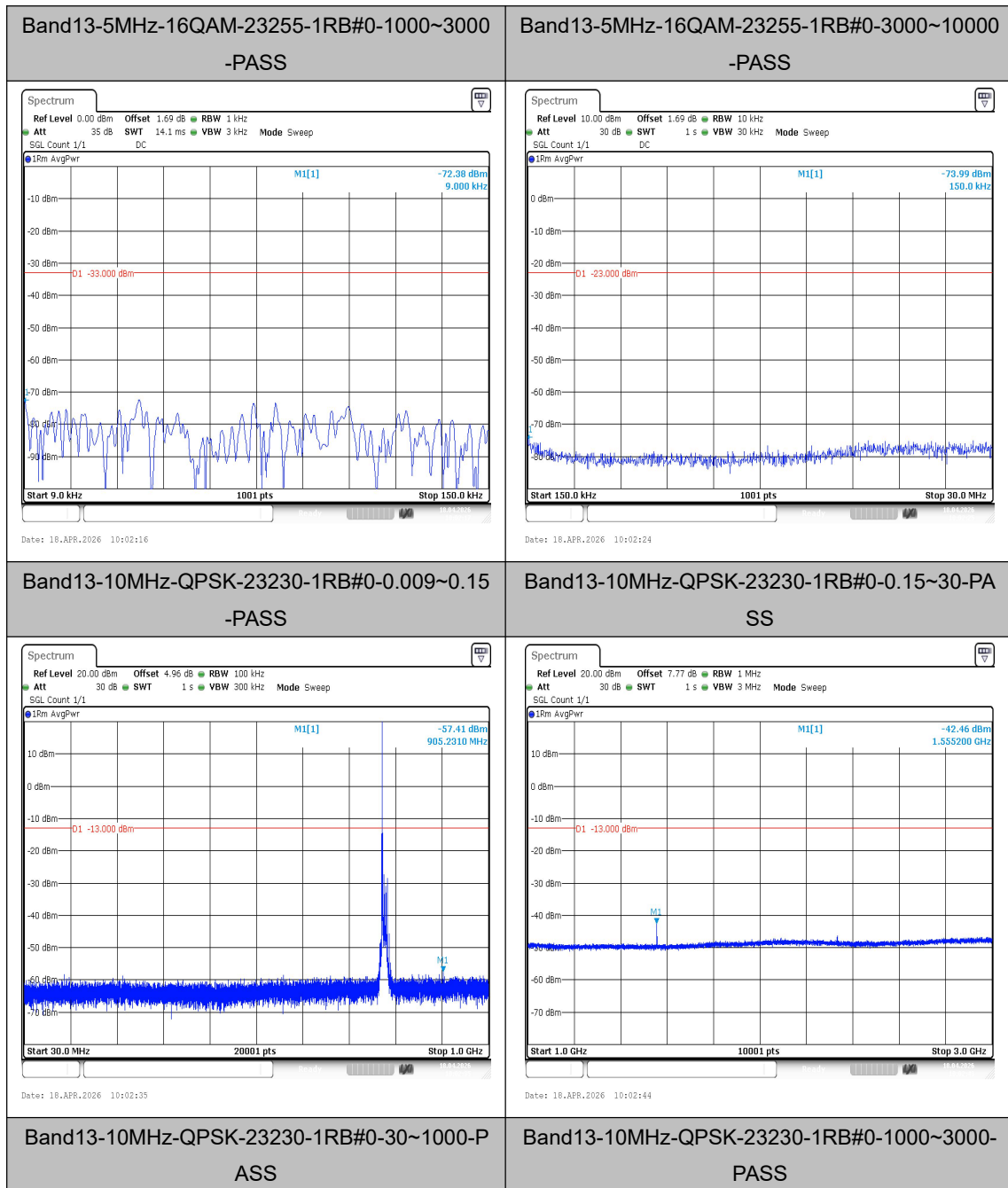


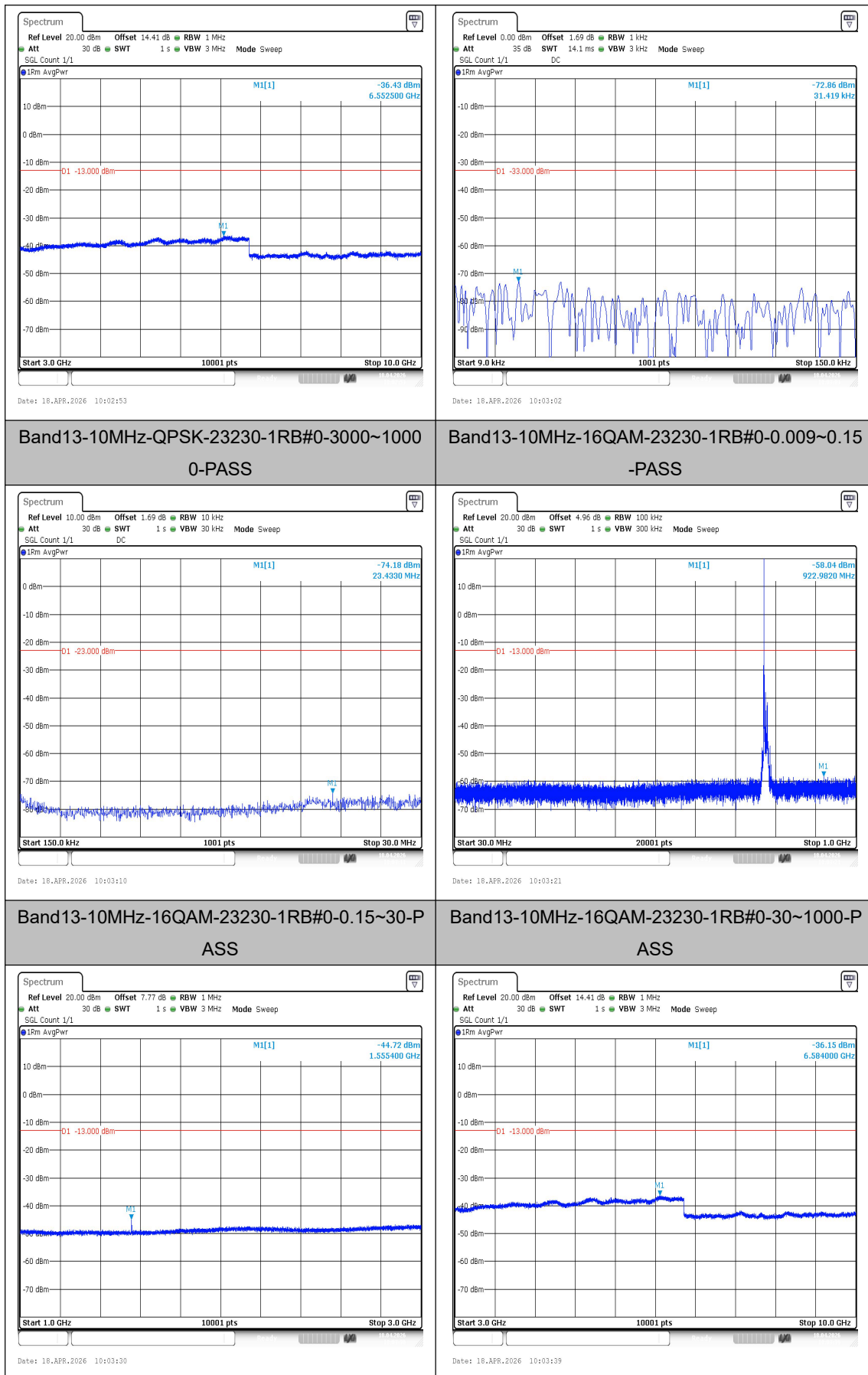












Band13-10MHz-16QAM-23230-1RB#0-1000~300 0-PASS	Band13-10MHz-16QAM-23230-1RB#0-3000~1000 0-PASS
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Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	VN	NT	-10.71	-0.013740	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VL	NT	-3.75	-0.004811	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	VH	NT	1.39	0.001783	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VN	NT	-8.35	-0.010712	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VL	NT	-8.80	-0.011289	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	VH	NT	-5.28	-0.006774	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VN	NT	5.58	0.007136	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VL	NT	7.05	0.009015	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	VH	NT	-5.09	-0.006509	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VN	NT	-8.30	-0.010614	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VL	NT	5.25	0.006714	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	VH	NT	-2.68	-0.003427	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VN	NT	5.36	0.006832	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VL	NT	4.41	0.005621	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	VH	NT	-5.11	-0.006514	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VN	NT	-6.02	-0.007674	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VL	NT	-7.21	-0.009191	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	VH	NT	-6.88	-0.008770	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VN	NT	-8.17	-0.010448	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VL	NT	-7.41	-0.009476	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	VH	NT	-6.31	-0.008069	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VN	NT	-4.29	-0.005486	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VL	NT	7.91	0.010115	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	VH	NT	-3.56	-0.004552	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band13	5MHz	QPSK	23205	25RB#0	NV	-30	6.11	0.007838	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-20	-10.76	-0.013804	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	-10	-8.75	-0.011225	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	0	-7.31	-0.009378	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	10	-7.02	-0.009006	±2.5	PASS

Band13	5MHz	QPSK	23205	25RB#0	NV	20	-3.72	-0.004772	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	30	-6.58	-0.008441	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	40	-8.74	-0.011212	±2.5	PASS
Band13	5MHz	QPSK	23205	25RB#0	NV	50	-8.23	-0.010558	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-30	-4.03	-0.005170	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-20	2.90	0.003720	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	-10	-8.37	-0.010738	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	0	-8.28	-0.010622	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	10	-5.14	-0.006594	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	20	-7.25	-0.009301	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	30	1.07	0.001373	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	40	4.35	0.005581	±2.5	PASS
Band13	5MHz	16QAM	23205	25RB#0	NV	50	-9.74	-0.012495	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-30	-8.11	-0.010371	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-20	-3.05	-0.003900	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	-10	3.71	0.004744	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	0	7.72	0.009872	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	10	-4.46	-0.005703	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	20	4.01	0.005128	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	30	-5.97	-0.007634	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	40	-8.53	-0.010908	±2.5	PASS
Band13	5MHz	QPSK	23230	25RB#0	NV	50	-9.08	-0.011611	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-30	-6.69	-0.008555	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-20	4.66	0.005959	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	-10	-4.09	-0.005230	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	0	5.42	0.006931	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	10	-3.66	-0.004680	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	20	6.41	0.008197	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	30	-6.07	-0.007762	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	40	2.53	0.003235	±2.5	PASS
Band13	5MHz	16QAM	23230	25RB#0	NV	50	8.88	0.011355	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-30	-5.39	-0.006871	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-20	-7.81	-0.009955	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	-10	-7.57	-0.009649	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	0	-4.88	-0.006221	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	10	-8.13	-0.010363	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	20	-8.84	-0.011268	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	30	-8.30	-0.010580	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	40	2.85	0.003633	±2.5	PASS
Band13	5MHz	QPSK	23255	25RB#0	NV	50	-8.07	-0.010287	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-30	-10.90	-0.013894	±2.5	PASS

Band13	5MHz	16QAM	23255	25RB#0	NV	-20	-7.87	-0.010032	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	-10	2.29	0.002919	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	0	-10.59	-0.013499	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	10	-6.67	-0.008502	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	20	-5.91	-0.007533	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	30	-6.05	-0.007712	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	40	-8.71	-0.011103	±2.5	PASS
Band13	5MHz	16QAM	23255	25RB#0	NV	50	-4.58	-0.005838	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-30	5.04	0.006445	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-20	4.26	0.005448	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	-10	-4.91	-0.006279	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	0	-7.72	-0.009872	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	10	3.83	0.004898	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	20	7.10	0.009079	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	30	-5.65	-0.007225	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	40	-9.48	-0.012123	±2.5	PASS
Band13	10MHz	QPSK	23230	50RB#0	NV	50	-5.91	-0.007558	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-30	-4.89	-0.006253	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-20	-7.21	-0.009220	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	-10	-2.79	-0.003568	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	0	-6.38	-0.008159	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	10	6.45	0.008248	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	20	1.49	0.001905	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	30	-7.94	-0.010153	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	40	-6.01	-0.007685	±2.5	PASS
Band13	10MHz	16QAM	23230	50RB#0	NV	50	-6.95	-0.008887	±2.5	PASS