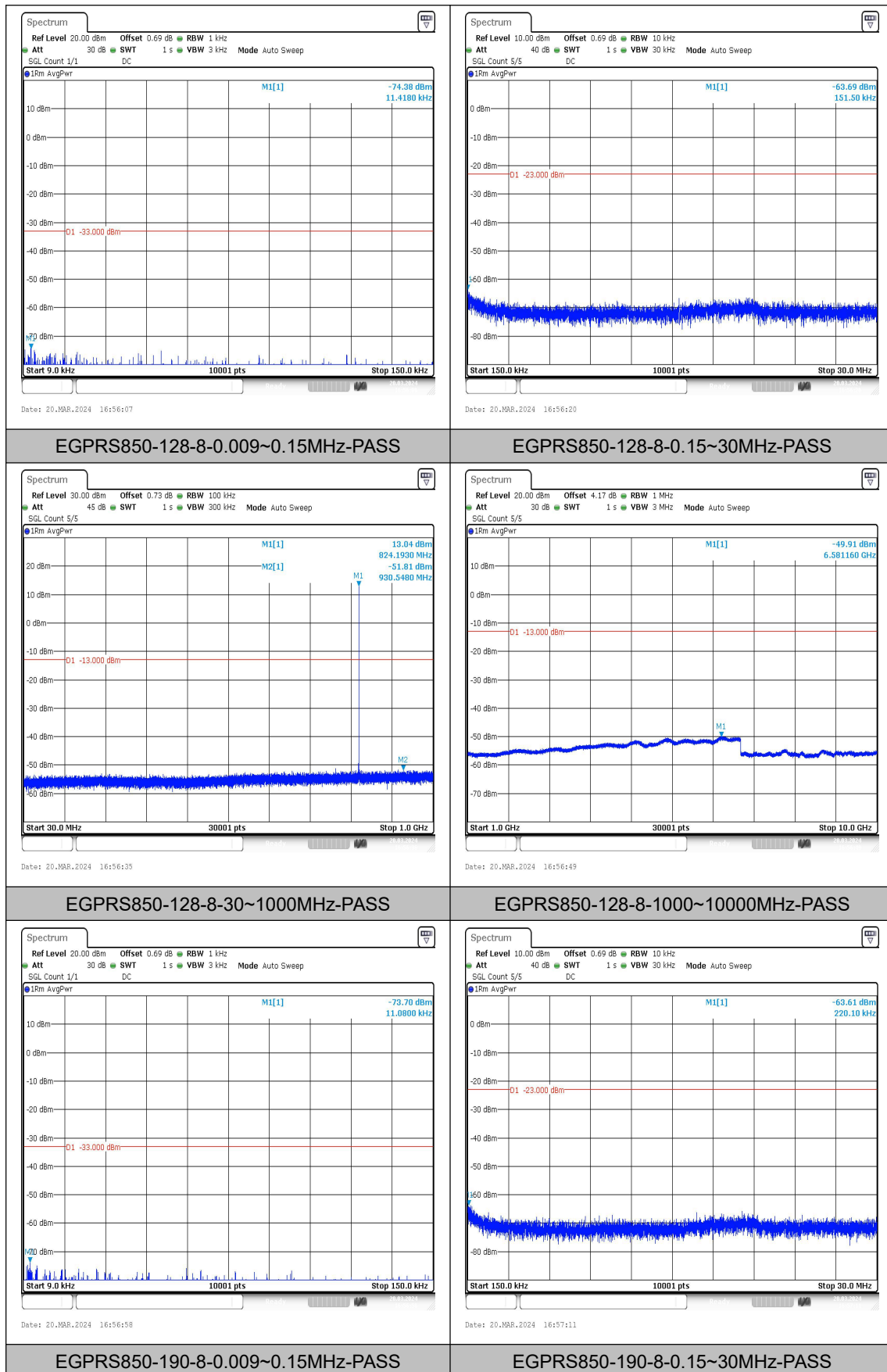
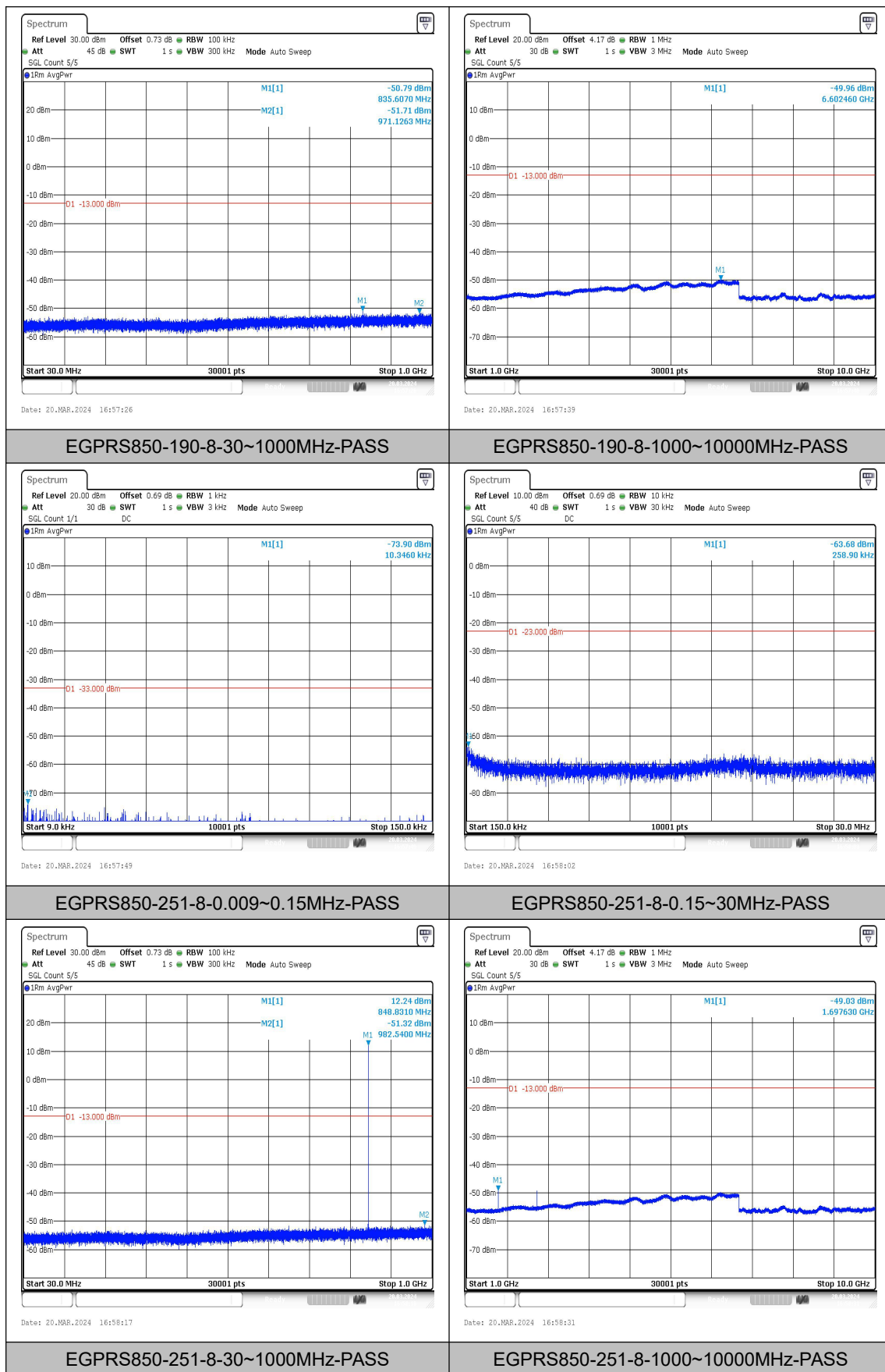






Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	16.79	0.020371	±2.5	PASS
GSM850	128	VL	NT	22.02	0.026717	±2.5	PASS
GSM850	128	VH	NT	15.63	0.018964	±2.5	PASS
GSM850	190	VN	NT	16.11	0.019257	±2.5	PASS
GSM850	190	VL	NT	12.14	0.014511	±2.5	PASS
GSM850	190	VH	NT	12.40	0.014822	±2.5	PASS
GSM850	251	VN	NT	14.88	0.017531	±2.5	PASS
GSM850	251	VL	NT	12.04	0.014185	±2.5	PASS
GSM850	251	VH	NT	16.95	0.019969	±2.5	PASS
GPRS850	128	VN	NT	26.31	0.031922	±2.5	PASS
GPRS850	128	VL	NT	19.66	0.023853	±2.5	PASS
GPRS850	128	VH	NT	16.85	0.020444	±2.5	PASS
GPRS850	190	VN	NT	19.05	0.022771	±2.5	PASS
GPRS850	190	VL	NT	21.86	0.026130	±2.5	PASS
GPRS850	190	VH	NT	21.92	0.026201	±2.5	PASS
GPRS850	251	VN	NT	27.48	0.032375	±2.5	PASS
GPRS850	251	VL	NT	24.80	0.029218	±2.5	PASS
GPRS850	251	VH	NT	12.24	0.014420	±2.5	PASS
EGPRS850	128	VN	NT	15.08	0.018297	±2.5	PASS
EGPRS850	128	VL	NT	17.53	0.021269	±2.5	PASS
EGPRS850	128	VH	NT	15.21	0.018454	±2.5	PASS
EGPRS850	190	VN	NT	18.85	0.022532	±2.5	PASS
EGPRS850	190	VL	NT	17.27	0.020643	±2.5	PASS
EGPRS850	190	VH	NT	16.14	0.019292	±2.5	PASS
EGPRS850	251	VN	NT	19.89	0.023433	±2.5	PASS
EGPRS850	251	VL	NT	18.27	0.021525	±2.5	PASS
EGPRS850	251	VH	NT	17.60	0.020735	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	12.27	0.014887	±2.5	PASS
GSM850	128	NV	-20	21.28	0.025819	±2.5	PASS
GSM850	128	NV	-10	17.27	0.020954	±2.5	PASS

GSM850	128	NV	0	20.53	0.024909	±2.5	PASS
GSM850	128	NV	10	18.44	0.022373	±2.5	PASS
GSM850	128	NV	20	17.18	0.020844	±2.5	PASS
GSM850	128	NV	30	16.21	0.019668	±2.5	PASS
GSM850	128	NV	40	13.79	0.016731	±2.5	PASS
GSM850	128	NV	50	21.66	0.026280	±2.5	PASS
GSM850	190	NV	-30	5.71	0.006825	±2.5	PASS
GSM850	190	NV	-20	9.10	0.010877	±2.5	PASS
GSM850	190	NV	-10	14.56	0.017404	±2.5	PASS
GSM850	190	NV	0	18.34	0.021922	±2.5	PASS
GSM850	190	NV	10	13.14	0.015706	±2.5	PASS
GSM850	190	NV	20	10.40	0.012431	±2.5	PASS
GSM850	190	NV	30	10.30	0.012312	±2.5	PASS
GSM850	190	NV	40	15.14	0.018097	±2.5	PASS
GSM850	190	NV	50	16.37	0.019567	±2.5	PASS
GSM850	251	NV	-30	14.98	0.017648	±2.5	PASS
GSM850	251	NV	-20	14.40	0.016965	±2.5	PASS
GSM850	251	NV	-10	18.31	0.021572	±2.5	PASS
GSM850	251	NV	0	17.76	0.020924	±2.5	PASS
GSM850	251	NV	10	16.95	0.019969	±2.5	PASS
GSM850	251	NV	20	17.08	0.020123	±2.5	PASS
GSM850	251	NV	30	13.33	0.015705	±2.5	PASS
GSM850	251	NV	40	16.30	0.019204	±2.5	PASS
GSM850	251	NV	50	9.43	0.011110	±2.5	PASS
GPRS850	128	NV	-30	18.89	0.022919	±2.5	PASS
GPRS850	128	NV	-20	20.63	0.025030	±2.5	PASS
GPRS850	128	NV	-10	21.63	0.026244	±2.5	PASS
GPRS850	128	NV	0	21.95	0.026632	±2.5	PASS
GPRS850	128	NV	10	19.15	0.023235	±2.5	PASS
GPRS850	128	NV	20	21.60	0.026207	±2.5	PASS
GPRS850	128	NV	30	23.92	0.029022	±2.5	PASS
GPRS850	128	NV	40	16.72	0.020286	±2.5	PASS
GPRS850	128	NV	50	21.41	0.025977	±2.5	PASS
GPRS850	190	NV	-30	20.66	0.024695	±2.5	PASS
GPRS850	190	NV	-20	25.12	0.030026	±2.5	PASS
GPRS850	190	NV	-10	19.79	0.023655	±2.5	PASS
GPRS850	190	NV	0	22.89	0.027361	±2.5	PASS
GPRS850	190	NV	10	22.57	0.026978	±2.5	PASS
GPRS850	190	NV	20	20.40	0.024384	±2.5	PASS
GPRS850	190	NV	30	21.24	0.025388	±2.5	PASS
GPRS850	190	NV	40	23.50	0.028090	±2.5	PASS

GPRS850	190	NV	50	21.73	0.025974	±2.5	PASS
GPRS850	251	NV	-30	15.92	0.018756	±2.5	PASS
GPRS850	251	NV	-20	16.01	0.018862	±2.5	PASS
GPRS850	251	NV	-10	16.50	0.019439	±2.5	PASS
GPRS850	251	NV	0	14.11	0.016623	±2.5	PASS
GPRS850	251	NV	10	18.73	0.022066	±2.5	PASS
GPRS850	251	NV	20	15.17	0.017872	±2.5	PASS
GPRS850	251	NV	30	11.49	0.013537	±2.5	PASS
GPRS850	251	NV	40	14.59	0.017189	±2.5	PASS
GPRS850	251	NV	50	12.40	0.014609	±2.5	PASS
EGPRS850	128	NV	-30	21.02	0.025504	±2.5	PASS
EGPRS850	128	NV	-20	12.56	0.015239	±2.5	PASS
EGPRS850	128	NV	-10	14.69	0.017823	±2.5	PASS
EGPRS850	128	NV	0	17.66	0.021427	±2.5	PASS
EGPRS850	128	NV	10	13.62	0.016525	±2.5	PASS
EGPRS850	128	NV	20	18.89	0.022919	±2.5	PASS
EGPRS850	128	NV	30	17.92	0.021742	±2.5	PASS
EGPRS850	128	NV	40	15.66	0.019000	±2.5	PASS
EGPRS850	128	NV	50	11.36	0.013783	±2.5	PASS
EGPRS850	190	NV	-30	23.44	0.028018	±2.5	PASS
EGPRS850	190	NV	-20	15.82	0.018910	±2.5	PASS
EGPRS850	190	NV	-10	18.60	0.022233	±2.5	PASS
EGPRS850	190	NV	0	15.76	0.018838	±2.5	PASS
EGPRS850	190	NV	10	17.79	0.021265	±2.5	PASS
EGPRS850	190	NV	20	17.56	0.020990	±2.5	PASS
EGPRS850	190	NV	30	18.79	0.022460	±2.5	PASS
EGPRS850	190	NV	40	20.11	0.024038	±2.5	PASS
EGPRS850	190	NV	50	21.44	0.025628	±2.5	PASS
EGPRS850	251	NV	-30	7.26	0.008553	±2.5	PASS
EGPRS850	251	NV	-20	10.01	0.011793	±2.5	PASS
EGPRS850	251	NV	-10	7.68	0.009048	±2.5	PASS
EGPRS850	251	NV	0	10.88	0.012818	±2.5	PASS
EGPRS850	251	NV	10	14.24	0.016777	±2.5	PASS
EGPRS850	251	NV	20	18.85	0.022208	±2.5	PASS
EGPRS850	251	NV	30	20.40	0.024034	±2.5	PASS
EGPRS850	251	NV	40	9.69	0.011416	±2.5	PASS
EGPRS850	251	NV	50	9.91	0.011675	±2.5	PASS

Appendix G: Modulation Characteristics

Test Result

Band	Channel	Result	Verdict
GSM850	128	PASS	PASS
GSM850	190	PASS	PASS
GSM850	251	PASS	PASS
GPRS850	128	PASS	PASS
GPRS850	190	PASS	PASS
GPRS850	251	PASS	PASS
EGPRS850	128	PASS	PASS
EGPRS850	190	PASS	PASS
EGPRS850	251	PASS	PASS

Test Graphs

