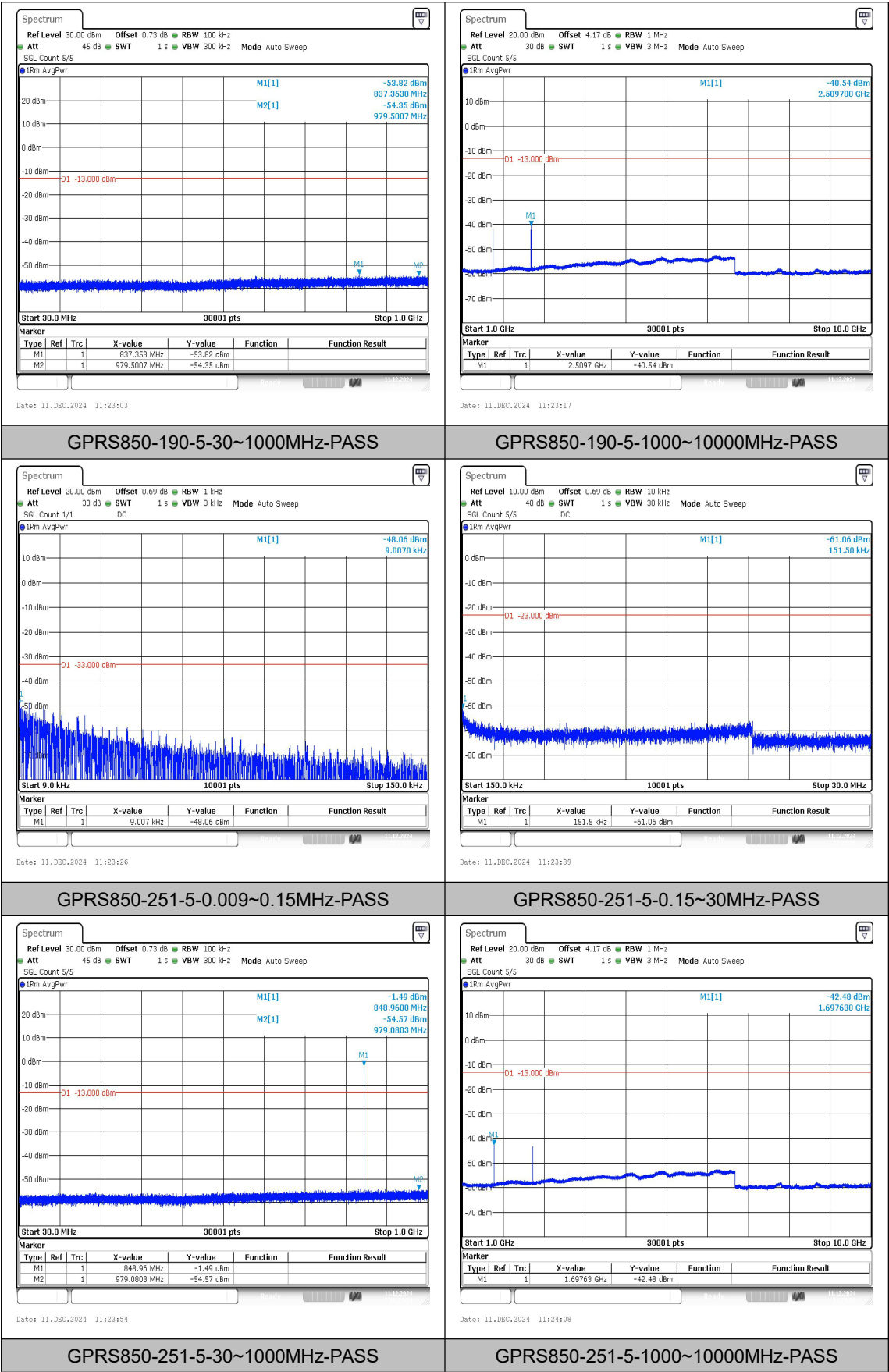
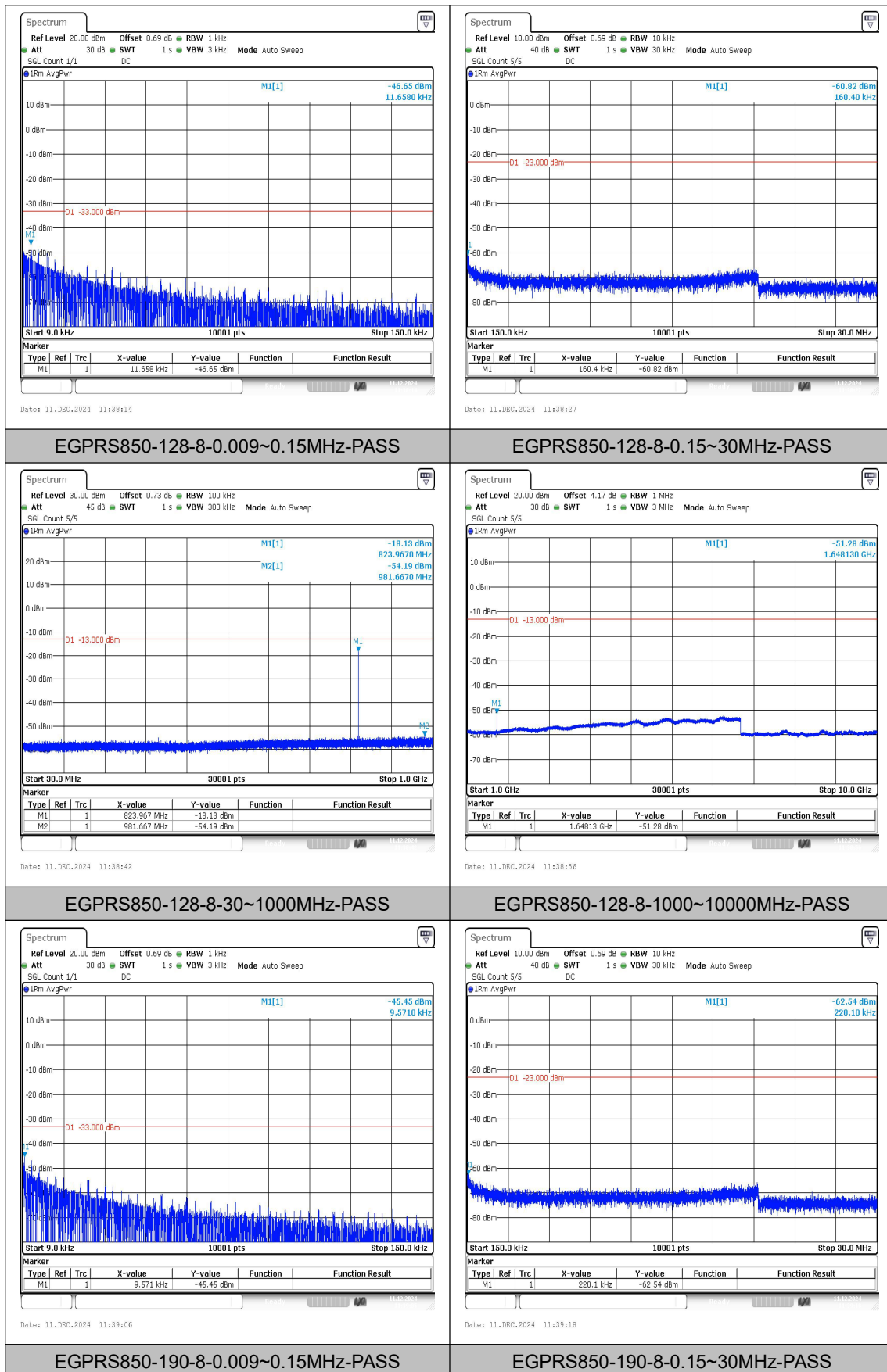
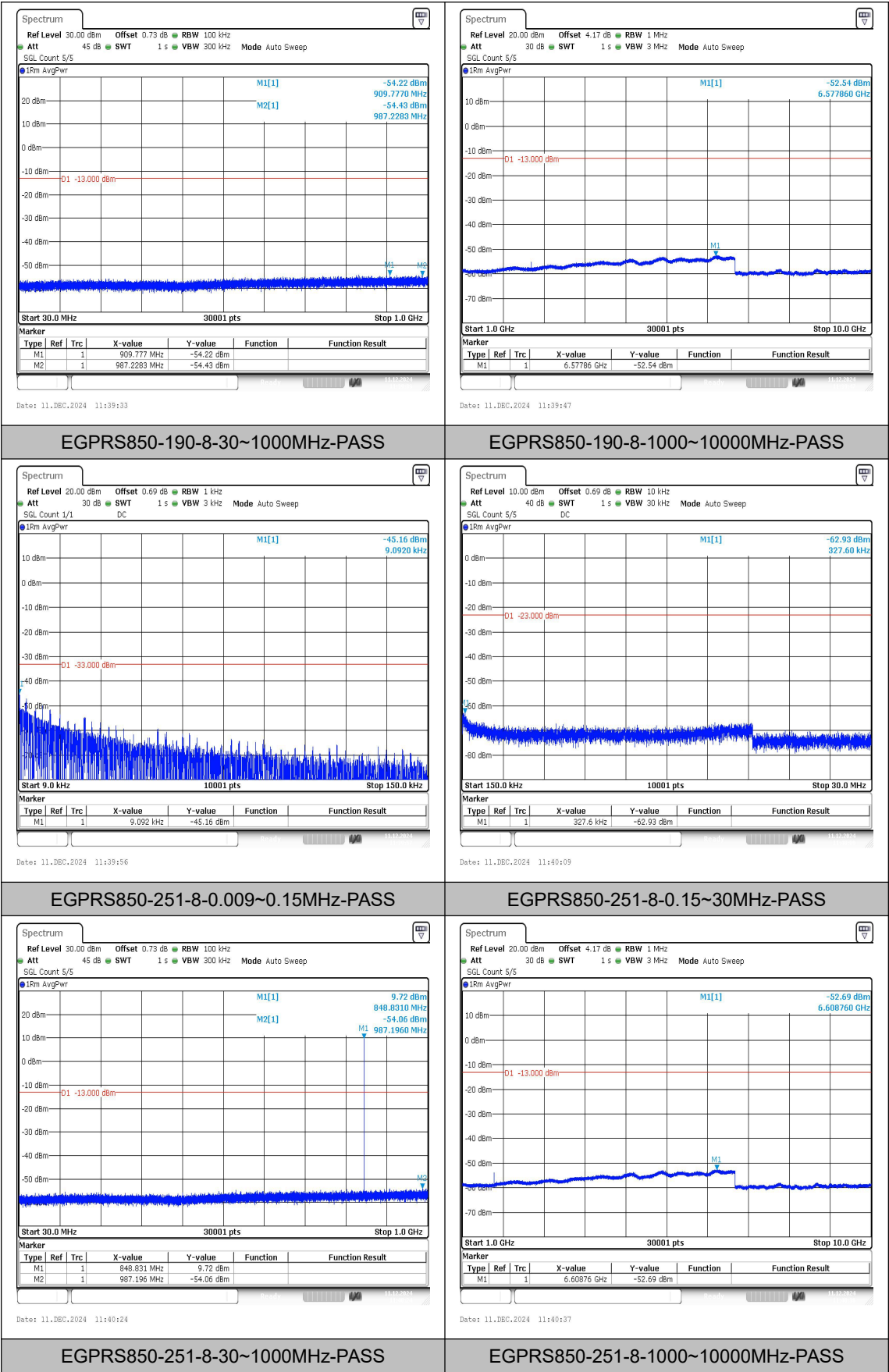








Appendix F: Frequency Stability

Test Result

Voltage							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	VN	NT	-1.61	-0.001953	±2.5	PASS
GSM850	128	VL	NT	-2.00	-0.002427	±2.5	PASS
GSM850	128	VH	NT	-2.78	-0.003373	±2.5	PASS
GSM850	190	VN	NT	1.26	0.001506	±2.5	PASS
GSM850	190	VL	NT	-0.71	-0.000849	±2.5	PASS
GSM850	190	VH	NT	-1.42	-0.001697	±2.5	PASS
GSM850	251	VN	NT	9.43	0.011110	±2.5	PASS
GSM850	251	VL	NT	5.97	0.007033	±2.5	PASS
GSM850	251	VH	NT	8.04	0.009472	±2.5	PASS
GPRS850	128	VN	NT	-0.68	-0.000825	±2.5	PASS
GPRS850	128	VL	NT	0.97	0.001177	±2.5	PASS
GPRS850	128	VH	NT	1.03	0.001250	±2.5	PASS
GPRS850	190	VN	NT	-2.10	-0.002510	±2.5	PASS
GPRS850	190	VL	NT	0.42	0.000502	±2.5	PASS
GPRS850	190	VH	NT	-2.52	-0.003012	±2.5	PASS
GPRS850	251	VN	NT	2.39	0.002816	±2.5	PASS
GPRS850	251	VL	NT	2.55	0.003004	±2.5	PASS
GPRS850	251	VH	NT	5.17	0.006091	±2.5	PASS
EGPRS850	128	VN	NT	-3.71	-0.004501	±2.5	PASS
EGPRS850	128	VL	NT	-3.03	-0.003676	±2.5	PASS
EGPRS850	128	VH	NT	-0.61	-0.000740	±2.5	PASS
EGPRS850	190	VN	NT	-2.29	-0.002737	±2.5	PASS
EGPRS850	190	VL	NT	-2.45	-0.002929	±2.5	PASS
EGPRS850	190	VH	NT	-0.19	-0.000227	±2.5	PASS
EGPRS850	251	VN	NT	-3.16	-0.003723	±2.5	PASS
EGPRS850	251	VL	NT	0.36	0.000424	±2.5	PASS
EGPRS850	251	VH	NT	1.03	0.001213	±2.5	PASS

Temperature							
Band	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
GSM850	128	NV	-30	-12.17	-0.014766	±2.5	PASS
GSM850	128	NV	-20	-8.36	-0.010143	±2.5	PASS

GSM850	128	NV	-10	-7.65	-0.009282	±2.5	PASS
GSM850	128	NV	0	-2.32	-0.002815	±2.5	PASS
GSM850	128	NV	10	8.33	0.010107	±2.5	PASS
GSM850	128	NV	20	4.62	0.005605	±2.5	PASS
GSM850	128	NV	30	0.58	0.000704	±2.5	PASS
GSM850	128	NV	40	-0.03	-0.000036	±2.5	PASS
GSM850	128	NV	50	1.07	0.001298	±2.5	PASS
GSM850	190	NV	-30	0.87	0.001040	±2.5	PASS
GSM850	190	NV	-20	2.58	0.003084	±2.5	PASS
GSM850	190	NV	-10	0.10	0.000120	±2.5	PASS
GSM850	190	NV	0	1.26	0.001506	±2.5	PASS
GSM850	190	NV	10	-1.03	-0.001231	±2.5	PASS
GSM850	190	NV	20	-0.29	-0.000347	±2.5	PASS
GSM850	190	NV	30	-0.52	-0.000622	±2.5	PASS
GSM850	190	NV	40	-1.16	-0.001387	±2.5	PASS
GSM850	190	NV	50	2.84	0.003395	±2.5	PASS
GSM850	251	NV	-30	7.62	0.008977	±2.5	PASS
GSM850	251	NV	-20	6.13	0.007222	±2.5	PASS
GSM850	251	NV	-10	7.01	0.008259	±2.5	PASS
GSM850	251	NV	0	7.68	0.009048	±2.5	PASS
GSM850	251	NV	10	8.30	0.009779	±2.5	PASS
GSM850	251	NV	20	7.55	0.008895	±2.5	PASS
GSM850	251	NV	30	3.55	0.004182	±2.5	PASS
GSM850	251	NV	40	4.39	0.005172	±2.5	PASS
GSM850	251	NV	50	10.40	0.012253	±2.5	PASS
GPRS850	128	NV	-30	2.74	0.003324	±2.5	PASS
GPRS850	128	NV	-20	8.39	0.010180	±2.5	PASS
GPRS850	128	NV	-10	5.52	0.006697	±2.5	PASS
GPRS850	128	NV	0	1.78	0.002160	±2.5	PASS
GPRS850	128	NV	10	4.65	0.005642	±2.5	PASS
GPRS850	128	NV	20	4.23	0.005132	±2.5	PASS
GPRS850	128	NV	30	2.03	0.002463	±2.5	PASS
GPRS850	128	NV	40	4.20	0.005096	±2.5	PASS
GPRS850	128	NV	50	6.65	0.008068	±2.5	PASS
GPRS850	190	NV	-30	-1.97	-0.002355	±2.5	PASS
GPRS850	190	NV	-20	0.77	0.000920	±2.5	PASS
GPRS850	190	NV	-10	5.42	0.006479	±2.5	PASS
GPRS850	190	NV	0	11.01	0.013160	±2.5	PASS
GPRS850	190	NV	10	5.68	0.006789	±2.5	PASS
GPRS850	190	NV	20	5.49	0.006562	±2.5	PASS
GPRS850	190	NV	30	3.55	0.004243	±2.5	PASS

GPRS850	190	NV	40	7.43	0.008881	±2.5	PASS
GPRS850	190	NV	50	10.72	0.012814	±2.5	PASS
GPRS850	251	NV	-30	5.00	0.005891	±2.5	PASS
GPRS850	251	NV	-20	3.03	0.003570	±2.5	PASS
GPRS850	251	NV	-10	8.20	0.009661	±2.5	PASS
GPRS850	251	NV	0	8.07	0.009508	±2.5	PASS
GPRS850	251	NV	10	8.62	0.010156	±2.5	PASS
GPRS850	251	NV	20	4.84	0.005702	±2.5	PASS
GPRS850	251	NV	30	11.04	0.013007	±2.5	PASS
GPRS850	251	NV	40	7.59	0.008942	±2.5	PASS
GPRS850	251	NV	50	7.39	0.008706	±2.5	PASS
EGPRS850	128	NV	-30	2.39	0.002900	±2.5	PASS
EGPRS850	128	NV	-20	-3.52	-0.004271	±2.5	PASS
EGPRS850	128	NV	-10	-1.97	-0.002390	±2.5	PASS
EGPRS850	128	NV	0	-0.81	-0.000983	±2.5	PASS
EGPRS850	128	NV	10	1.19	0.001444	±2.5	PASS
EGPRS850	128	NV	20	1.49	0.001808	±2.5	PASS
EGPRS850	128	NV	30	3.20	0.003883	±2.5	PASS
EGPRS850	128	NV	40	1.52	0.001844	±2.5	PASS
EGPRS850	128	NV	50	1.90	0.002305	±2.5	PASS
EGPRS850	190	NV	-30	-3.52	-0.004208	±2.5	PASS
EGPRS850	190	NV	-20	-1.07	-0.001279	±2.5	PASS
EGPRS850	190	NV	-10	5.13	0.006132	±2.5	PASS
EGPRS850	190	NV	0	6.30	0.007530	±2.5	PASS
EGPRS850	190	NV	10	5.71	0.006825	±2.5	PASS
EGPRS850	190	NV	20	5.49	0.006562	±2.5	PASS
EGPRS850	190	NV	30	4.58	0.005475	±2.5	PASS
EGPRS850	190	NV	40	4.55	0.005439	±2.5	PASS
EGPRS850	190	NV	50	5.62	0.006718	±2.5	PASS
EGPRS850	251	NV	-30	-1.36	-0.001602	±2.5	PASS
EGPRS850	251	NV	-20	2.13	0.002509	±2.5	PASS
EGPRS850	251	NV	-10	8.30	0.009779	±2.5	PASS
EGPRS850	251	NV	0	10.27	0.012099	±2.5	PASS
EGPRS850	251	NV	10	10.36	0.012205	±2.5	PASS
EGPRS850	251	NV	20	7.17	0.008447	±2.5	PASS
EGPRS850	251	NV	30	6.39	0.007528	±2.5	PASS
EGPRS850	251	NV	40	1.03	0.001213	±2.5	PASS
EGPRS850	251	NV	50	7.46	0.008789	±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

