

Appendix for GSM 850 & 1900

Product Name: Smart phone

Model No: Black 5

AppendixA: Average Power Output Data

Test Result

Normal:

Band	Channel	ERP/EIRP(dBm)	Verdict
GSM850	128	33.02	PASS
GSM850	190	32.89	PASS
GSM850	251	32.75	PASS
GSM1900	512	29.12	PASS
GSM1900	661	29.08	PASS
GSM1900	810	28.95	PASS

Band	Channel	Slot	Power(dBm)	Verdict
GPRS850	128	1	33.02	PASS
GPRS850	128	2	32.01	PASS
GPRS850	128	3	29.92	PASS
GPRS850	128	4	28.79	PASS
GPRS850	190	1	32.79	PASS
GPRS850	190	2	31.88	PASS
GPRS850	190	3	29.87	PASS
GPRS850	190	4	28.77	PASS
GPRS850	251	1	32.65	PASS
GPRS850	251	2	31.77	PASS
GPRS850	251	3	29.79	PASS
GPRS850	251	4	28.69	PASS
GPRS1900	512	1	29.14	PASS
GPRS1900	512	2	28.19	PASS
GPRS1900	512	3	26.20	PASS
GPRS1900	512	4	25.01	PASS
GPRS1900	661	1	28.99	PASS
GPRS1900	661	2	28.05	PASS
GPRS1900	661	3	25.98	PASS
GPRS1900	661	4	24.73	PASS
GPRS1900	810	1	28.82	PASS
GPRS1900	810	2	27.85	PASS
GPRS1900	810	3	25.70	PASS
GPRS1900	810	4	24.40	PASS

Band	Channel	Slot	Power(dBm)	Verdict
EGPRS850	128	1	26.43	PASS
EGPRS850	128	2	25.29	PASS
EGPRS850	128	3	23.20	PASS
EGPRS850	128	4	21.97	PASS
EGPRS850	190	1	26.15	PASS
EGPRS850	190	2	25.04	PASS
EGPRS850	190	3	23.03	PASS
EGPRS850	190	4	21.83	PASS
EGPRS850	251	1	26.44	PASS
EGPRS850	251	2	25.32	PASS
EGPRS850	251	3	23.28	PASS
EGPRS850	251	4	22.02	PASS
EGPRS1900	512	1	24.72	PASS
EGPRS1900	512	2	23.47	PASS
EGPRS1900	512	3	21.24	PASS
EGPRS1900	512	4	19.81	PASS
EGPRS1900	661	1	24.38	PASS
EGPRS1900	661	2	23.31	PASS
EGPRS1900	661	3	21.08	PASS
EGPRS1900	661	4	19.74	PASS
EGPRS1900	810	1	23.83	PASS
EGPRS1900	810	2	22.81	PASS
EGPRS1900	810	3	20.61	PASS
EGPRS1900	810	4	19.11	PASS

Receiver ON

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	24.19	33.00	PASS
GSM1900	661	23.99	33.00	PASS
GSM1900	810	23.93	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	24.17	33.00	PASS
GPRS1900	512	2	23.06	33.00	PASS
GPRS1900	512	3	21.06	33.00	PASS
GPRS1900	512	4	20.48	33.00	PASS
GPRS1900	661	1	23.95	33.00	PASS
GPRS1900	661	2	22.89	33.00	PASS
GPRS1900	661	3	20.82	33.00	PASS
GPRS1900	661	4	20.24	33.00	PASS
GPRS1900	810	1	23.84	33.00	PASS
GPRS1900	810	2	22.71	33.00	PASS
GPRS1900	810	3	20.61	33.00	PASS
GPRS1900	810	4	19.99	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	19.36	33.00	PASS
EGPRS1900	512	2	17.89	33.00	PASS
EGPRS1900	512	3	15.44	33.00	PASS
EGPRS1900	512	4	14.46	33.00	PASS
EGPRS1900	661	1	18.93	33.00	PASS
EGPRS1900	661	2	17.69	33.00	PASS
EGPRS1900	661	3	15.22	33.00	PASS
EGPRS1900	661	4	14.28	33.00	PASS
EGPRS1900	810	1	18.51	33.00	PASS
EGPRS1900	810	2	17.26	33.00	PASS
EGPRS1900	810	3	14.77	33.00	PASS
EGPRS1900	810	4	13.90	33.00	PASS

Hotspot ON

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	28.23	33.00	PASS
GSM1900	661	28.16	33.00	PASS
GSM1900	810	28.03	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	28.20	33.00	PASS
GPRS1900	512	2	27.25	33.00	PASS
GPRS1900	512	3	25.26	33.00	PASS
GPRS1900	512	4	24.07	33.00	PASS
GPRS1900	661	1	28.06	33.00	PASS
GPRS1900	661	2	26.91	33.00	PASS
GPRS1900	661	3	24.67	33.00	PASS
GPRS1900	661	4	23.59	33.00	PASS
GPRS1900	810	1	27.85	33.00	PASS
GPRS1900	810	2	26.69	33.00	PASS
GPRS1900	810	3	24.35	33.00	PASS
GPRS1900	810	4	23.26	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	23.18	33.00	PASS
EGPRS1900	512	2	21.77	33.00	PASS
EGPRS1900	512	3	19.45	33.00	PASS
EGPRS1900	512	4	17.94	33.00	PASS
EGPRS1900	661	1	22.77	33.00	PASS
EGPRS1900	661	2	21.60	33.00	PASS
EGPRS1900	661	3	19.22	33.00	PASS
EGPRS1900	661	4	17.76	33.00	PASS
EGPRS1900	810	1	22.24	33.00	PASS
EGPRS1900	810	2	21.06	33.00	PASS
EGPRS1900	810	3	18.72	33.00	PASS
EGPRS1900	810	4	17.22	33.00	PASS

Sensor ON

Band	Channel	ERP/EIRP(dBm)	Limit(dBm)	Verdict
GSM1900	512	24.05	33.00	PASS
GSM1900	661	23.98	33.00	PASS
GSM1900	810	23.87	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
GPRS1900	512	1	24.14	33.00	PASS
GPRS1900	512	2	23.40	33.00	PASS
GPRS1900	512	3	21.40	33.00	PASS
GPRS1900	512	4	20.31	33.00	PASS
GPRS1900	661	1	24.04	33.00	PASS
GPRS1900	661	2	23.33	33.00	PASS
GPRS1900	661	3	21.28	33.00	PASS
GPRS1900	661	4	20.10	33.00	PASS
GPRS1900	810	1	23.87	33.00	PASS
GPRS1900	810	2	23.14	33.00	PASS
GPRS1900	810	3	21.01	33.00	PASS
GPRS1900	810	4	18.84	33.00	PASS

Band	Channel	Slot	Power(dBm)	Limit(dBm)	Verdict
EGPRS1900	512	1	23.48	33.00	PASS
EGPRS1900	512	2	22.20	33.00	PASS
EGPRS1900	512	3	19.93	33.00	PASS
EGPRS1900	512	4	18.49	33.00	PASS
EGPRS1900	661	1	23.30	33.00	PASS
EGPRS1900	661	2	22.19	33.00	PASS
EGPRS1900	661	3	19.89	33.00	PASS
EGPRS1900	661	4	18.47	33.00	PASS
EGPRS1900	810	1	22.94	33.00	PASS
EGPRS1900	810	2	21.83	33.00	PASS
EGPRS1900	810	3	19.57	33.00	PASS
EGPRS1900	810	4	18.08	33.00	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Channel	Result(dB)	Limit(dB)	Verdict
GSM850	128	9.54	13	PASS
GSM850	190	9.62	13	PASS
GSM850	251	9.57	13	PASS
GPRS850	128	9.65	13	PASS
GPRS850	190	9.71	13	PASS
GPRS850	251	9.71	13	PASS
EGPRS850	128	12.72	13	PASS
EGPRS850	190	12.72	13	PASS
EGPRS850	251	12.67	13	PASS
GSM1900	512	9.65	13	PASS
GSM1900	661	9.57	13	PASS
GSM1900	810	9.59	13	PASS
GPRS1900	512	9.77	13	PASS
GPRS1900	661	9.77	13	PASS
GPRS1900	810	9.77	13	PASS
EGPRS1900	512	12.84	13	PASS
EGPRS1900	661	12.84	13	PASS
EGPRS1900	810	12.61	13	PASS

Test Graphs



