

APPENDIX B – TEST DATA OF RADIATED EMISSION

850 Test result:

The measurement results are obtained as described below:

Peak ERP = Pmea + Pca Cable loss+ Ga Antenna Gain- Correction

Sample calculation: (32.19 dBm) = (29.44 dBm) + (-3.4 dB) + (8.3 dB)- (2.15 dB), the corresponding frequency is 824.2MHz.

Frequency (MHz)	Power step	Peak ERP (dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
824.2	5	32.19	-3.4	8.3	2.15	29.44	Vertical

GSM/GPRS MODE:

Frequency (MHz)	Power step	Peak ERP (dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
824.2	5	32.19	-3.4	8.3	2.15	29.44	Vertical
836.6	5	31.97	-3.4	8.3	2.15	29.22	Vertical
848.8	5	32.40	-3.4	8.3	2.15	29.65	Vertical

EDGE MODE:

Frequency (MHz)	Power step	Peak ERP (dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Correction (dB)	Pmea (dBm)	Polarization
824.2	5	23.49	-3.4	8.3	2.15	20.74	Vertical
836.6	5	24.09	-3.4	8.3	2.15	21.34	Vertical
848.8	5	23.54	-3.4	8.3	2.15	20.79	Vertical

Test result:

GSM/GPRS MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.40	-53.38	-13	Vertical
1668.47	-51.19	-13	Vertical
2535.98	-43.93	-13	Vertical
2576.13	-44.17	-13	Vertical
8961.11	-39.56	-13	Vertical
9971.14	-36.09	-13	Vertical

EDGE (GMSK) MODE Channel 128:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1648.99	-53.36	-13	Vertical
1665.47	-51.15	-13	Vertical
2535.62	-44.39	-13	Vertical
2578.12	-44.61	-13	Vertical
8962.37	-39.61	-13	Vertical
9970.88	-36.45	-13	Vertical

GSM/GPRS MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.96	-52.80	-13	Vertical
1664.83	-51.42	-13	Vertical
2532.38	-44.49	-13	Vertical
2575.38	-43.99	-13	Vertical
8963.05	-39.42	-13	Vertical
9970.26	-36.87	-13	Vertical

EDGE (GMSK) MODE Channel 189:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1646.70	-52.85	-13	Vertical
1668.07	-51.01	-13	Vertical
2535.69	-44.01	-13	Vertical
2577.43	-43.69	-13	Vertical
8963.68	-39.50	-13	Vertical
9971.80	-36.72	-13	Vertical

GSM/GPRS MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1649.46	-52.68	-13	Vertical
1667.90	-51.23	-13	Vertical
2534.43	-44.29	-13	Vertical
2578.70	-44.43	-13	Vertical
8962.86	-39.33	-13	Vertical
9970.79	-36.08	-13	Vertical

EDGE (GMSK) MODE Channel 251:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
1647.81	-52.55	-13	Vertical
1664.84	-51.76	-13	Vertical
2535.49	-44.45	-13	Vertical
2576.57	-44.02	-13	Vertical
8962.27	-39.50	-13	Vertical
9971.61	-36.24	-13	Vertical

1900 Test result:
GSM/GPRS MODE:

Frequency (MHz)	Power step	Peak EIRP(dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1850.2	0	30.52	-3.8	8.6	25.72	Vertical
1880.0	0	30.57	-3.8	8.6	25.77	Vertical
1909.8	0	30.35	-3.8	8.6	25.55	Vertical

EDGE MODE:

Frequency (MHz)	Power step	Peak EIRP(dBm)	Pca Cable loss(dB)	Ga Antenna Gain (dB)	Pmea (dBm)	Polarization
1850.2	0	24.86	-3.8	8.6	20.06	Vertical
1880.0	0	25.15	-3.8	8.6	20.35	Vertical
1909.8	0	24.91	-3.8	8.6	20.11	Vertical

Test result:

GSM/GPRS MODE Channel 512

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.57	-49.45	-13	Vertical
2778.29	-47.48	-13	Vertical
3726.73	-41.00	-13	Vertical
6677.91	-39.36	-13	Vertical
9963.00	-37.46	-13	Vertical
17818.38	-33.72	-13	Vertical

EDGE (GMSK) MODE Channel 512:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2461.34	-49.34	-13	Vertical
2778.58	-47.87	-13	Vertical
3726.05	-40.50	-13	Vertical
6676.16	-39.30	-13	Vertical
9960.43	-37.24	-13	Vertical
17820.12	-33.74	-13	Horizontal

GSM/GPRS MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2458.12	-48.96	-13	Vertical
2778.23	-47.12	-13	Vertical
3725.77	-40.95	-13	Vertical
6675.72	-39.59	-13	Vertical
9960.95	-37.64	-13	Vertical
17821.26	-33.59	-13	Vertical

EDGE (GMSK) MODE Channel 661:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.52	-49.24	-13	Vertical
2778.89	-47.12	-13	Vertical
3725.77	-40.77	-13	Vertical
6676.79	-39.92	-13	Vertical
9961.35	-37.09	-13	Vertical
17821.23	-34.19	-13	Vertical

GSM/GPRS MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2460.03	-49.33	-13	Vertical
2781.85	-47.78	-13	Vertical
3725.15	-41.13	-13	Vertical
6676.21	-39.64	-13	Vertical
9960.55	-36.94	-13	Vertical
17818.40	-34.04	-13	Vertical

EDGE (GMSK) MODE Channel 810:

Frequency (MHz)	Power (dBm)	Limited (dBm)	Polarization
2459.55	-49.11	-13	Vertical
2781.66	-47.80	-13	Vertical
3726.53	-40.93	-13	Vertical
6678.77	-39.93	-13	Vertical
9961.74	-37.13	-13	Vertical
17822.36	-33.78	-13	Vertical

---End of Test Report---