Corrections to APPENDIX 4 RADIATED EMISSIONS TEST DATA This report shall <u>NOT</u> be reproduced except in full without the written consent of Research In Motion Limited. Copyright 2002-2004, Research In Motion Limited



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Report No. RIM-0086-0404-01

Test Date: April 20 to June 25, 2004

Radiated Emissions Test Data Results

Test distance is 3.0 metres

August 24, 2004

| EUT | | | | Rx Antenna | | Spectrum Analyzer | | Substitution Method Tracking Generator | | | | |
|----------------------------------|-----|-----------|------|------------|------|-------------------|--------------|--|---------|-------------------------|-------------|------------|
| Туре | Ch | Frequency | Band | Туре | Pol. | Reading | Max (V,H) | Pol. | Reading | Corrected Reading | Limit (dBm) | Diff. To |
| | | (MHz) | | | | (dBuV) | (dBuV) | Tx-Rx | (dBm) | (relative to Dipole) | | Limit (dB) |
| GSM850 Band (ERP) | | | | | | | | | | | | |
| Handheld Standalone, on its side | | | | | | | | | | | | |
| F0 | 128 | 824.20 | 850 | Dipole | > | 78.0 | 86.4 | VV | 11.0 | 27.35 | 38.50 | -11.15 |
| F0 | 128 | 824.20 | 850 | Dipole | Ι | 86.4 | 00.4 | нн | 9.8 | | | |
| F0 | 195 | 837.60 | 850 | Dipole | ٧ | 78.6 | 87.1 | VV | 13.1 | 29.45 | 38.50 | -9.05 |
| F0 | 195 | 837.60 | 850 | Dipole | Ι | 87.1 | 07.1 | нн | 11.3 | 29.40 | | |
| F0 | 251 | 848.80 | 850 | Dipole | V | 80.6 | 88.5 | V V 14.2 | 30.55 | 38.50 | -7.95 | |
| F0 | 251 | 848.80 | 850 | Dipole | Ι | 88.5 | 00.5 | нн | 11.7 | 30.55 | 30.30 | -1.33 |

ERP = Tracking Generator Level + Antenna Gain - Cable Loss + Preamp

<u>Example</u>: 824.20 MHz = 11.0 (Tracking Generator Level) - 7.7 (Antenna Loss) - 2.15 (Dipole Factor) - 3.8 (Cable Loss) + 30.0 (Preamp Gain) = 27.35 dBm (Reading Relative to Dipole)