

## MEASUREMENT RESULTS

### SYSTEM VALIDATION RESULTS

**Ambient conduction:** Temperature: 23°C; Relative humidity: 39%

**System Validation Dipole:** D1800V2 SN: 294

**Date:** April 17, 2003

| Medium   |            |            | Parameters    | Target | Measured | Deviation[%] | Limited[%] |
|----------|------------|------------|---------------|--------|----------|--------------|------------|
| Type     | Temp. [°C] | Depth [cm] |               |        |          |              |            |
| Head     | 21.00      | 15.00      | Permittivity: | 40     | 39.25    | -1.88        | ± 10       |
| 1800 Mhz |            |            | Conductivity: | 1.4    | 1.3822   | -1.27        | ± 5        |
|          |            |            | 1g SAR:       | 38.1   | 37.08    | -2.68        | ± 10       |

### LIQUID CONFIRMATION RESULTS

**Ambient conduction –** Temperature: 23 °C; Relative humidity: 39%

**Date:** April 17, 2003

| Medium   |            |            | Parameters    | Target | Measured | Deviation[%] | Limited[%] |
|----------|------------|------------|---------------|--------|----------|--------------|------------|
| Type     | Temp. [°C] | Depth (cm) |               |        |          |              |            |
| Head     | 21.00      | 15.00      | Permittivity: | 40     | 39.54    | -1.15        | ± 10       |
| 1900 Mhz |            |            | Conductivity: | 1.4    | 1.4111   | 0.79         | ± 5        |

### SAR MEASUREMENT RESULTS

| <b>Modulation Type:</b> <u>GSM</u> (Duty Cycle = <u>12.5</u> %, Crest Factor: <u>8</u> ) |         |           |        |                                 |       |                     |                                |                 |
|------------------------------------------------------------------------------------------|---------|-----------|--------|---------------------------------|-------|---------------------|--------------------------------|-----------------|
| EUT Set-up Configuration <b>1 - Left</b> Head                                            |         |           |        | Depth of liquid: <u>15.0</u> cm |       |                     | Date: <u>April 17, 2003</u>    |                 |
| EUT Set-up Configuration                                                                 |         | Frequency |        | Conducted power [dBm]<br>(Peak) |       | Liquid Temp<br>[°C] | SAR<br>(W/kg)                  | Limit<br>(W/kg) |
| EUT Position                                                                             | Antenna | Channel   | MHz    | Before                          | After |                     |                                |                 |
| Tilted                                                                                   | Fixed   | 512       | 1850.2 | 29.36                           | 29.31 | 20.4                | Cube0: 0.0843<br>Cube1: 0.0525 | 1.6             |
|                                                                                          |         | 661       | 1880.0 | 29.35                           | 29.30 | 20.4                | Cube0: 0.0768<br>Cube1: 0.0552 |                 |
|                                                                                          |         | 810       | 1909.8 | 29.36                           | 29.31 | 20.5                | Cube0: 0.061<br>Cube1: 0.0496  |                 |
| EUT Set-up Configuration <b>2 - Right</b> Head                                           |         |           |        |                                 |       |                     |                                |                 |
| EUT Set-up Configuration                                                                 |         | Frequency |        | Conducted power [dBm]<br>(Peak) |       | Liquid Temp<br>[°C] | SAR<br>(W/kg)                  | Limit<br>(W/kg) |
| EUT Position                                                                             | Antenna | Channel   | MHz    | Before                          | After |                     |                                |                 |
| Tilted                                                                                   | Fixed   | 512       | 1850.2 | 29.36                           | 29.31 | 20.5                | Cube0: 0.0669<br>Cube1: 0.0522 | 1.6             |
|                                                                                          |         | 661       | 1880.0 | 29.35                           | 29.30 | 20.5                | Cube0: 0.0667<br>Cube1: 0.0426 |                 |
|                                                                                          |         | 810       | 1909.8 | 29.36                           | 29.31 | 20.4                | Cube0: 0.0536<br>Cube1: 0.0385 |                 |
| Note (s): Please refer to attachment for the result presentation in plot format.         |         |           |        |                                 |       |                     |                                |                 |

## ATTACHMENTS

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| 1       | System Validation Plot | <a href="#">1</a>  |
| 2       | SAR Test Plots         | <a href="#">14</a> |

**End of Report**