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Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56EX1)

Prepared by:
Steven Hauswirth
Motorola Personal Communications Sector Product Safety Laboratory
Libertyville, Illinois

Summary of FCC request for additional information

There was a request for additional information regarding Motorola's SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56EX1). The requested information is addressed below in the same numbering sequence received.

5. The dielectric constant for the validation test at 1800 MHz performed on 5/9/04 (p.5 of the SAR report) appears to be a typo (39.5)- it is listed as 39.4 on the corresponding SAR plot. Please correct.

**Response:** Motorola confirms that there was a typo in the original table. Please see below for a corrected table.

| *f* (MHz) | Description | SAR (W/kg), 1gram | Dielectric Parameters | | Ambient Temp (°C) | Tissue Temp (°C) |
|---|---|---|---|---|---|---|
| | | | $\varepsilon_r$ | $\sigma$ (S/m) | | |
| **900** | **Measured,** 05/09/04 | 11.20 | 41.30 | 0.98 | 20.0 | 19.9 |
| | **Measured,** 05/10/04 | 11.11 | 41.00 | 0.97 | 20.0 | 19.2 |
| | **Recommended Limits** | 11.4 | 41.5 ±5% | 0.97 ±5% | 18-25 | 18-25 |
| **1800** | **Measured,** 05/09/04 | 41.45 | 39.40 | 1.39 | 20.0 | 19.5 |
| | **Measured,** 05/10/04 | 42.20 | 38.80 | 1.37 | 20.0 | 19.1 |
| | **Recommended Limits** | 40.7 | 40.0 ±5% | 1.4 ±5% | 18-25 | 18-25 |

6. The SAR contour overlay plots, Figures 3 and 4, appear inconsistent, as though the phone was not positioned properly under the grid. Please address.

**Response:** The SAR contour overlay plots, Figures 3 and 4, are correct. The location of peak SAR, for the GSM1900 band, is located slightly above the "ear reference point" and to the right side of the phone. This corresponds near the top ridge of the phone.