



MOTOROLA

February 5, 2004

Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT6EB1)

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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 IHDT56DW1). The requested information is addressed below in the same numbering sequence received.

1. Dipole validation tests were performed on 12/16/03, 12/17/03 and 12/20/03. The right head touch SAR plot submitted was tested on 12/22/03. Please submit dipole validation test results for that day.

RESPONSE: Please see attached plots for dipole validation results for 12/22/03.

2. The tissue parameters on the 2 SAR plots submitted do not match those listed in the report, or used on the other (original) SAR plots. Please address.

RESPONSE: The tissue parameters are measured each day. So the values for December 22 may be different than those for other dates. Also, the tissue parameters used for the dipole validations are the values that correspond to 1800MHz. The tissue parameters used for the head scans correspond to 1880MHz. The difference in frequency will lead to a slight difference in tissue parameters.

Appendix 1
Requested SAR Plots

Dipole 1800 MHz

1800 MHz System Performance Check / Dipole Sn# 80

Forward Power = 252mW Reflected Power = -30.2dB

Room Temp at time of measurement = 20 Simulant Temp at time of measurement = 19

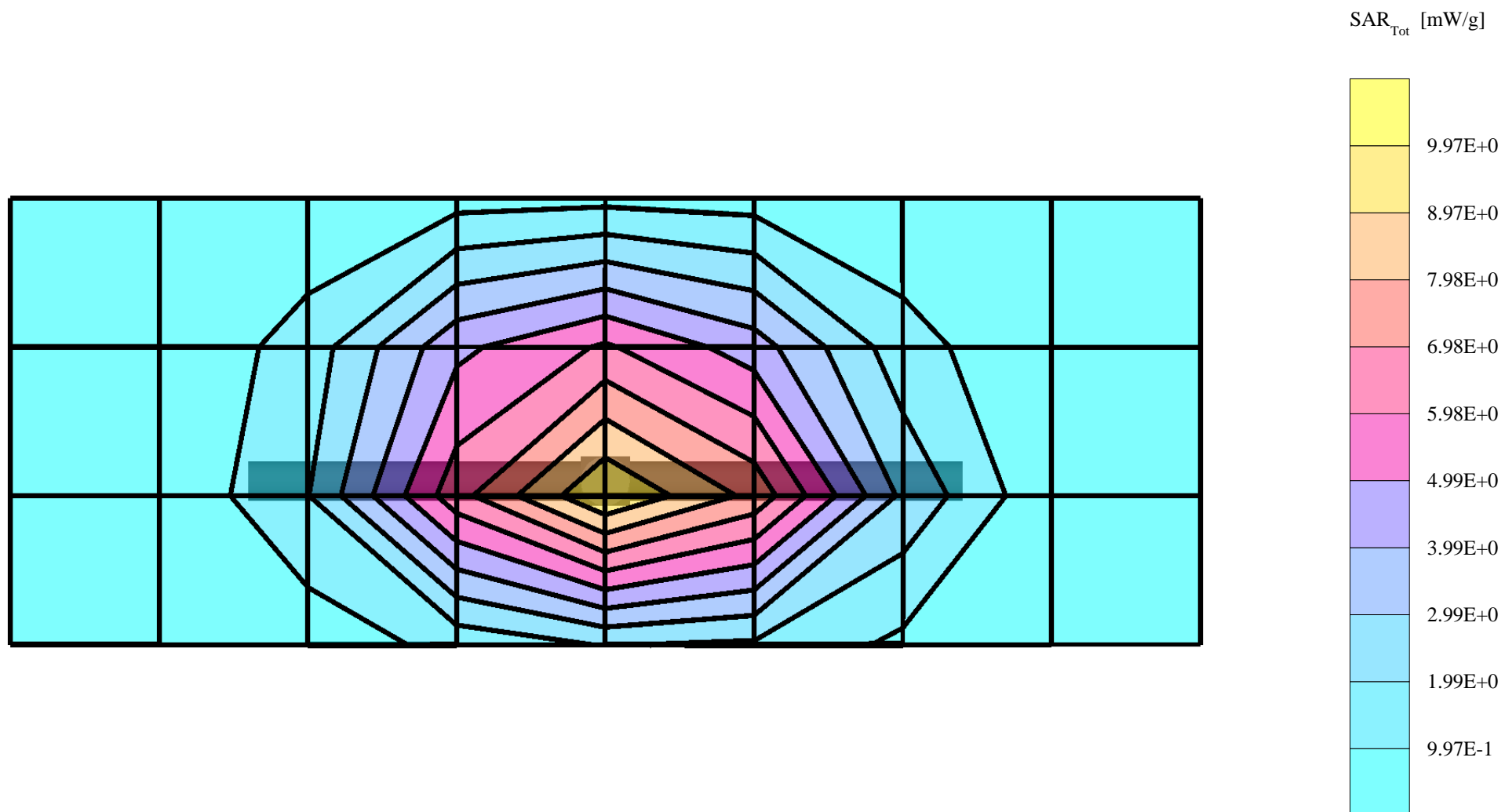
R3 TP-1159 SAM GLYCOL Expanded (Rev. 2)-9Jan03; Flat

Probe: ET3DV6 - SN1520 - Validation.2; ConvF(5.10,5.10,5.10); Crest factor: 1.0; 1800 MHz VALIDATION: $\sigma = 1.38$ mho/m $\epsilon_r = 38.7$ $\rho = 1.00$ g/cm³

Cubes (2): Peak: 19.2 mW/g ± 0.08 dB, SAR (1g): 10.5 mW/g ± 0.02 dB, SAR (10g): 5.57 mW/g ± 0.02 dB, (Worst-case extrapolation)

Penetration depth: 8.7 (8.3, 9.4) [mm]

Powerdrift: -0.02 dB



Dipole 1800 MHz

1800 MHz System Performance Check / Dipole Sn# 80

Forward Power = 252mW Reflected Power = -30.2dB

Room Temp at time of measurement = 20 Simulant Temp at time of measurement = 19

R3 TP-1159 SAM GLYCOL Expanded (Rev. 2)-9Jan03 Phantom; Section; Position: ; Frequency: 1800 MHz

Probe: ET3DV6 - SN1520 - Validation.2; ConvF(5.10,5.10,5.10); Crest factor: 1.0; 1800 MHz VALIDATION: $\sigma = 1.38$ mho/m $\epsilon_r = 38.7$ $\rho = 1.00$ g/cm³

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Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Penetration depth: 8.3 (7.9, 9.1) [mm]

