



MOTOROLA

October 10, 2003

Supplement to SAR Test Report for Motorola portable cellular phone (FCC ID IHDT56DR1)

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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 IHDT56DR1). The requested information is addressed below in the same numbering sequence received.

1. The right head tilt SAR data is described as "Cheek" in the plot text. Please address.

Response: The description of the head configuration in the SAR plot is incorrect. Please look at appendix 1 for the correct plot.

2. Please submit the GSM850 left head tilt data plot.

Response: Please look at appendix 1 for the requested SAR plot

3. The body SAR plots indicate that the Army Twin Phantom was used, and not the SAM. Please address.

Response: "Amy Twin" is just an alias for the flat phantoms used for body worn testing. Please refer to the picture on page 27 of the original SAR report.

4. Page 4 of the SAR report indicates that the network analyzer is past its cal due date. Please correct.

Response: Please look at the below updated table for test equipment:

Description	Serial Number	Cal Due Date
Signal Generator HP8648C	3847A04632	10/10/2004
Power Meter E4419B	GB39511090	02/06/2004
Power Sensor #1 - 8481A	US39211007	02/06/2004
Power Sensor #2 - 8481A	US39210931	08/05/2004
Network Analyzer HP8753ES	US39172529	6/18/2004
Dielectric Probe Kit HP85070B	US33020235	

Description	Serial Number	Cal Due Date
Signal Generator HP8648C	3847A04633	10/11/2004
Power Meter E4419B	US39250622	11/05/2003
Power Sensor #1 - 8481A	US39210916	08/05/2004
Power Sensor #2 - 8481A	US39211008	08/05/2004
Network Analyzer HP8753ES	US39172529	6/18/2004
Dielectric Probe Kit HP85070B	US33020235	

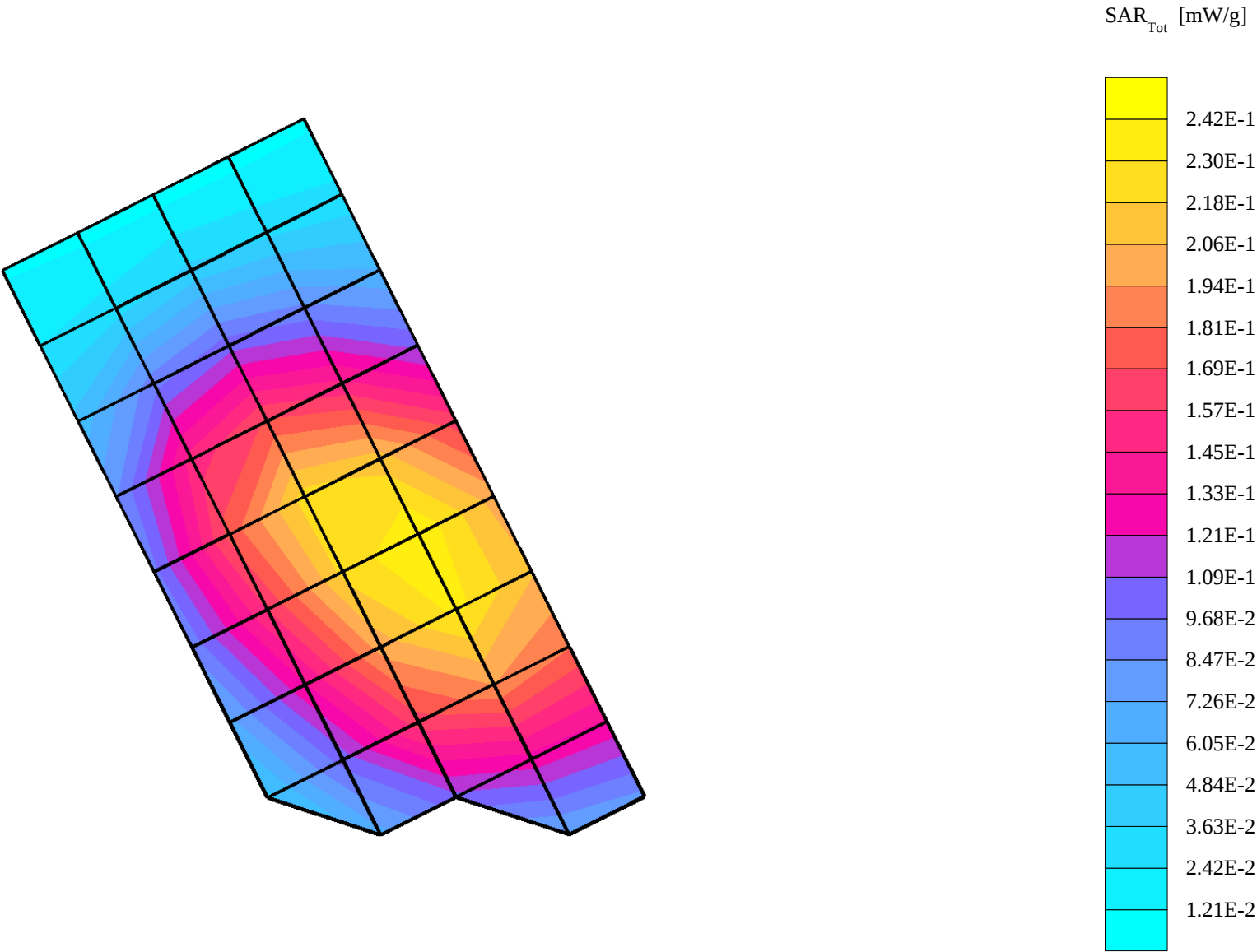
5. The E-field probe Table (p.9 of the SAR report) lists conversion factors for probe S/N 1506 for muscle tissue, instead of brain tissue. Please correct.

Response: The E-field probe table on page 9 in the original SAR report is under section 6.2 (Body worn – Test results). Therefore in order to confirm that the muscle tissue conversion factors were used for all body worn testing, the table contains muscle tissue conversion factors instead of brain.

Appendix 1 (Requested SAR Plots)

SN# LV50520029

Ch# 190 / Pwr Step:05 / Antenna Position:FIXED / Battery Model #: SNN5704A / DEVICE POSITION (cheek or rotated): 15 degree tilt
R1 TP-1005 SAM Expanded Sugar (Rev. 2)-9Jan03 Phantom; Right Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1506 - IEEE Head; ConvF(6.10,6.10,6.10); Crest factor: 8.0; 835 MHz Head & Body: $\sigma = 0.91$ mho/m $\epsilon_r = 42.2$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 0.238 mW/g, SAR (10g): 0.178 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 19.8 (17.8, 21.8) [mm]
Powerdrift: -0.16 dB



SN# LV50520029

Ch# 190 / Pwr Step:05 / Antenna Position:FIXED / Battery Model #: SNN5704A / DEVICE POSITION (cheek or rotated): TILTED
R1 TP-1005 SAM Expanded Sugar (Rev. 2)-9Jan03 Phantom; Left Hand Section; Position: (90°,180°); Frequency: 837 MHz
Probe: ET3DV6R - SN1506 - IEEE Head; ConvF(6.10,6.10,6.10); Crest factor: 8.0; 835 MHz Head & Body: $\sigma = 0.91$ mho/m $\epsilon_r = 42.2$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 0.225 mW/g, SAR (10g): 0.170 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 15.0
Penetration depth: 19.1 (17.4, 21.1) [mm]
Powerdrift: -0.42 dB

