
Appendix for the Report

Dosimetric Assessment of

Mobicom C6088i (FCC ID: P8D-C6088)

According to the FCC Requirements

SAR Distribution Plot

March 06, 2002

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The test results only relate to the item tested.
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1 SAR Distribution Plots, Test side ambient conditions.

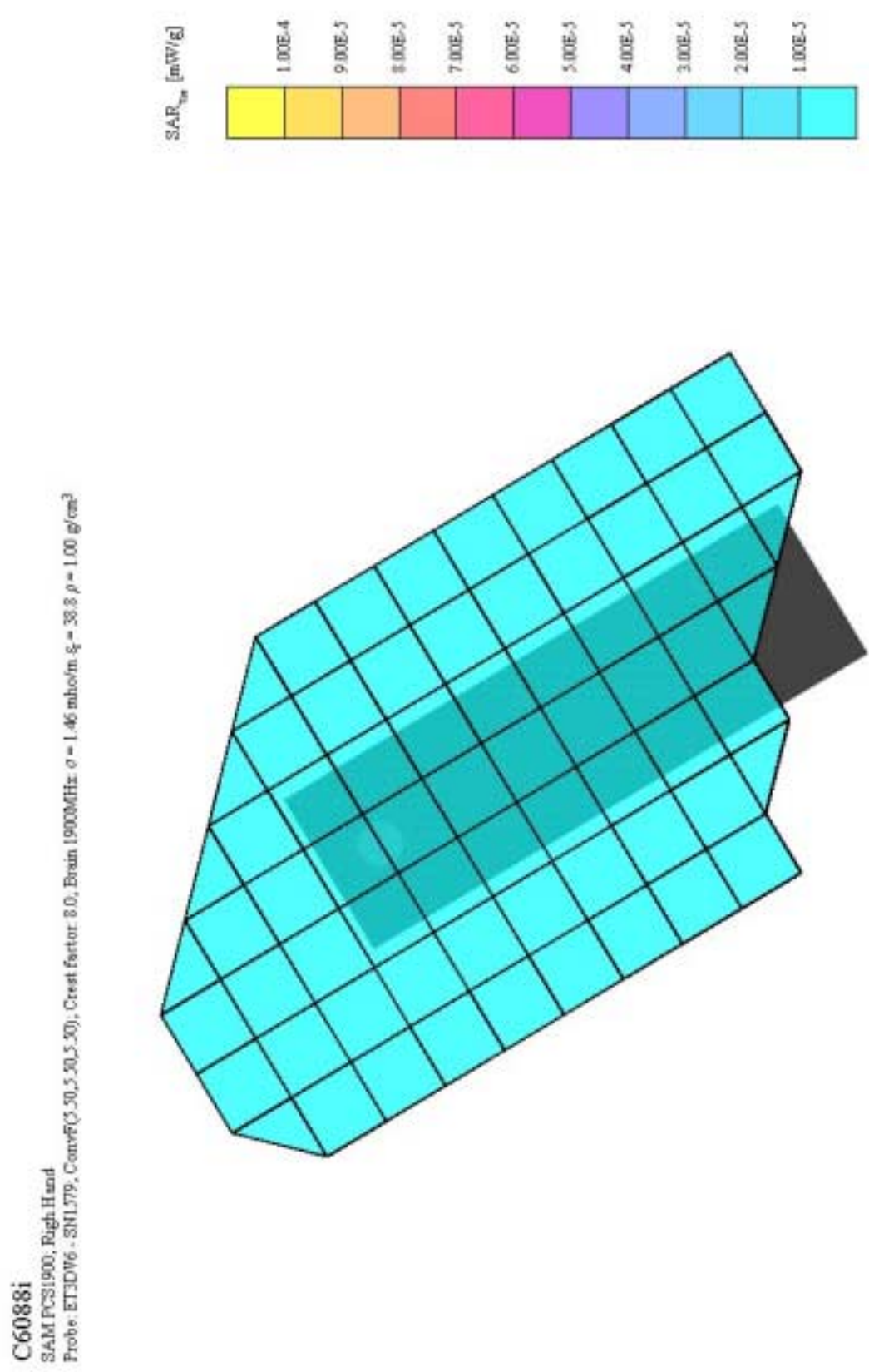


Fig. 1: Test side measurements, 1900 MHz, head position.

C6088i Body Worn

SAM PCS 1900; Flat

Probe: ET3DV6 - SN1579; ConvF(5.00,5.00); Crest factor: 8.0; body 1900 MHz: $\sigma = 1.53$ mds/m $\epsilon_r = 51.7$ $\rho = 1.00$ g/cm³

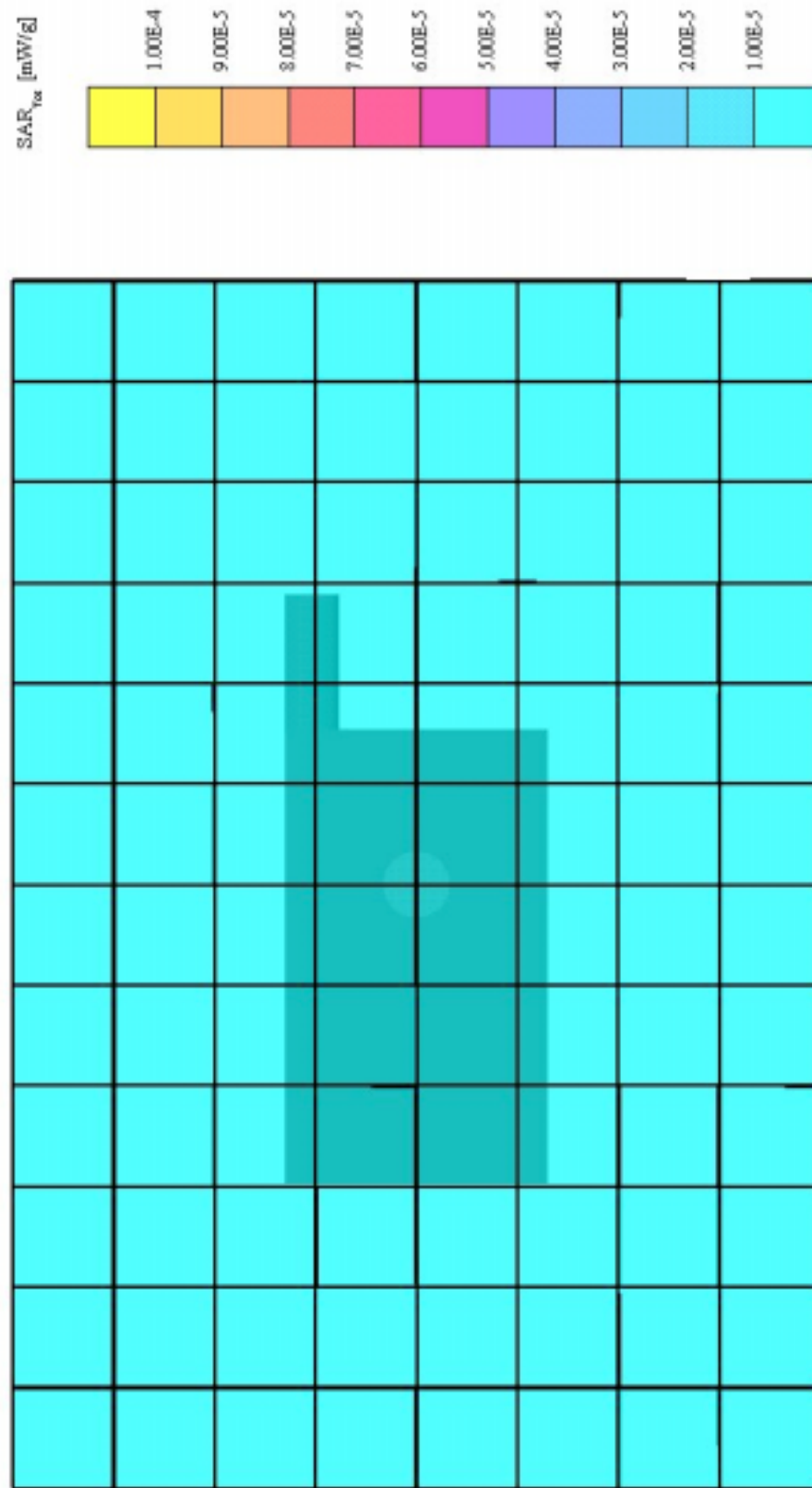


Fig. 2: Test side ambient measurements, 1900 MHz, body worn position.

2 SAR Distribution Plots, PCS 1900

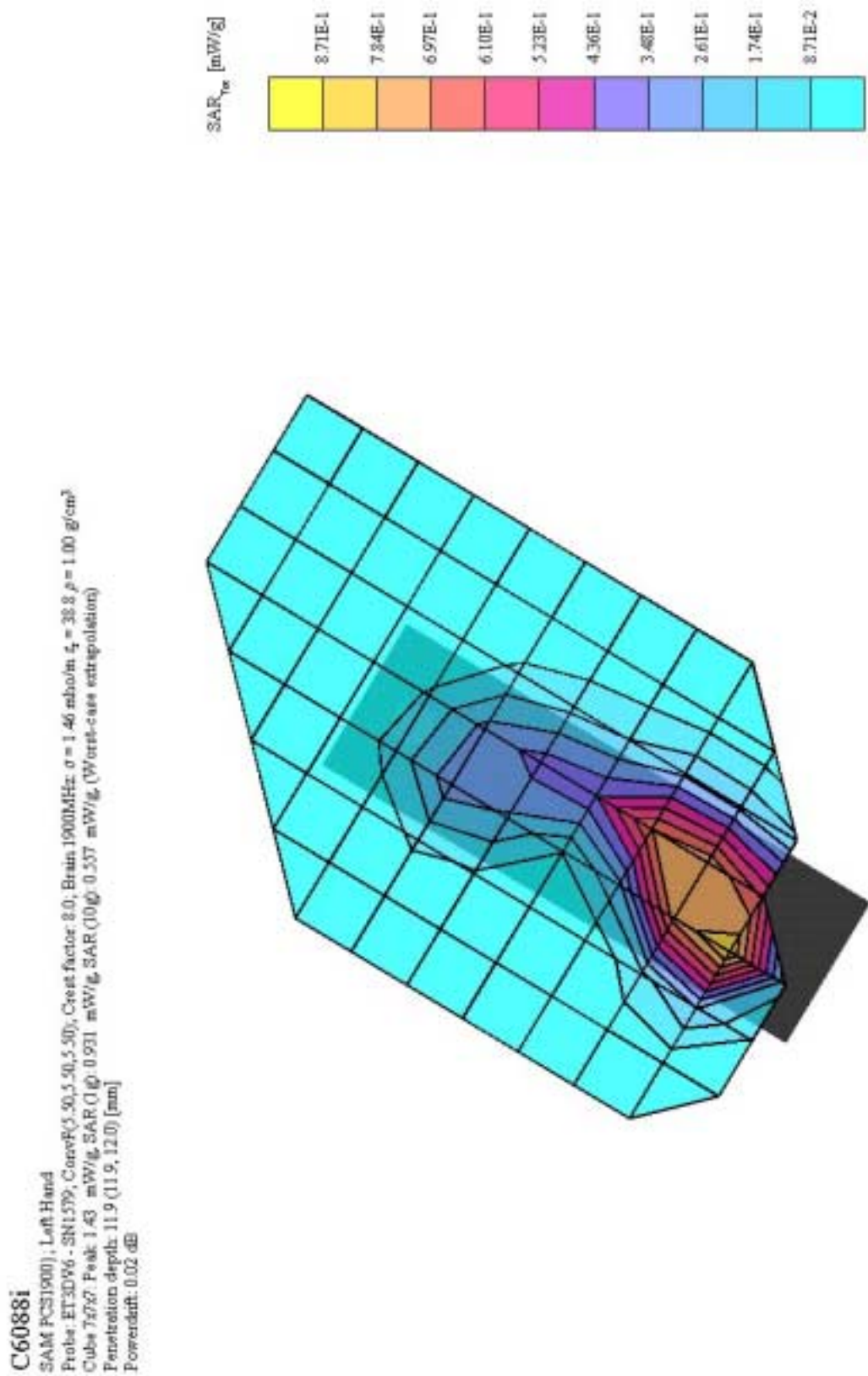


Fig. 3: SAR distribution, PCS 1900, peak at 1.43 mW/g, left side of head, skin

C6088i
 SAM PCS1900, Left Hand
 Probe: ET3DV6 - SN1579, ConvF(50,50,50), Crest factor: 3.0, Brn 1900MHz: $\sigma = 1.46$ mho/m, $\epsilon_r = 38.8$, $\rho = 1.00$ g/cm³
 Cube 7x7x7, Peak: 0.295 mW/g, SAR (1g): 0.176 mW/g, SAR (10g): 0.102 mW/g, SAR (Worst-case extrapolation)
 Penetration depth: 9.9 (9.3, 10.9) [mm]
 Powerdraft: 0.01 dB

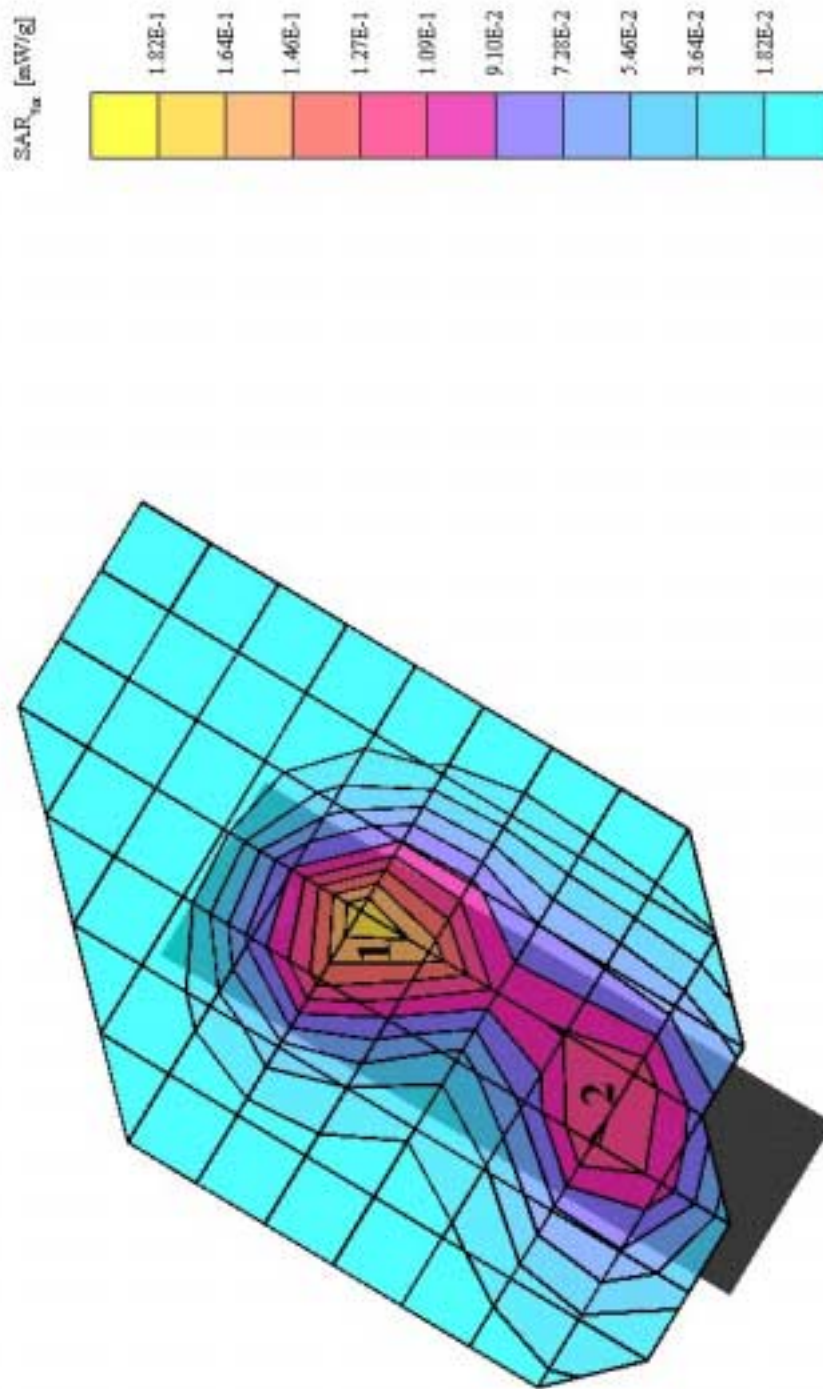


Fig. 4: SAR distribution, PCS 1900, dposition 1, left side of head, slim
 Cube 2: 0.120 W/kg

C6088i
 SAM FCS 1900, Right Hand
 Probe: ET3DV6 - SSN1579; CoaxF(5,50,5,50); Crest factor: 3.0; Brnss 1900MHz: $\sigma = 1.46$ mho/m; $\epsilon_r = 38.2$; $\rho = 1.00$ g/cm³
 Cube 7x7x7; Peak: 1.97 mW/g; SAR(10g) 1.13 mW/g; SAR(10g) 0.690 mW/g; (Worst-case extrapolation)
 Penetration depth: 11.7 (10.6, 13.0) [mm]
 Power/mt: 0.03 dB

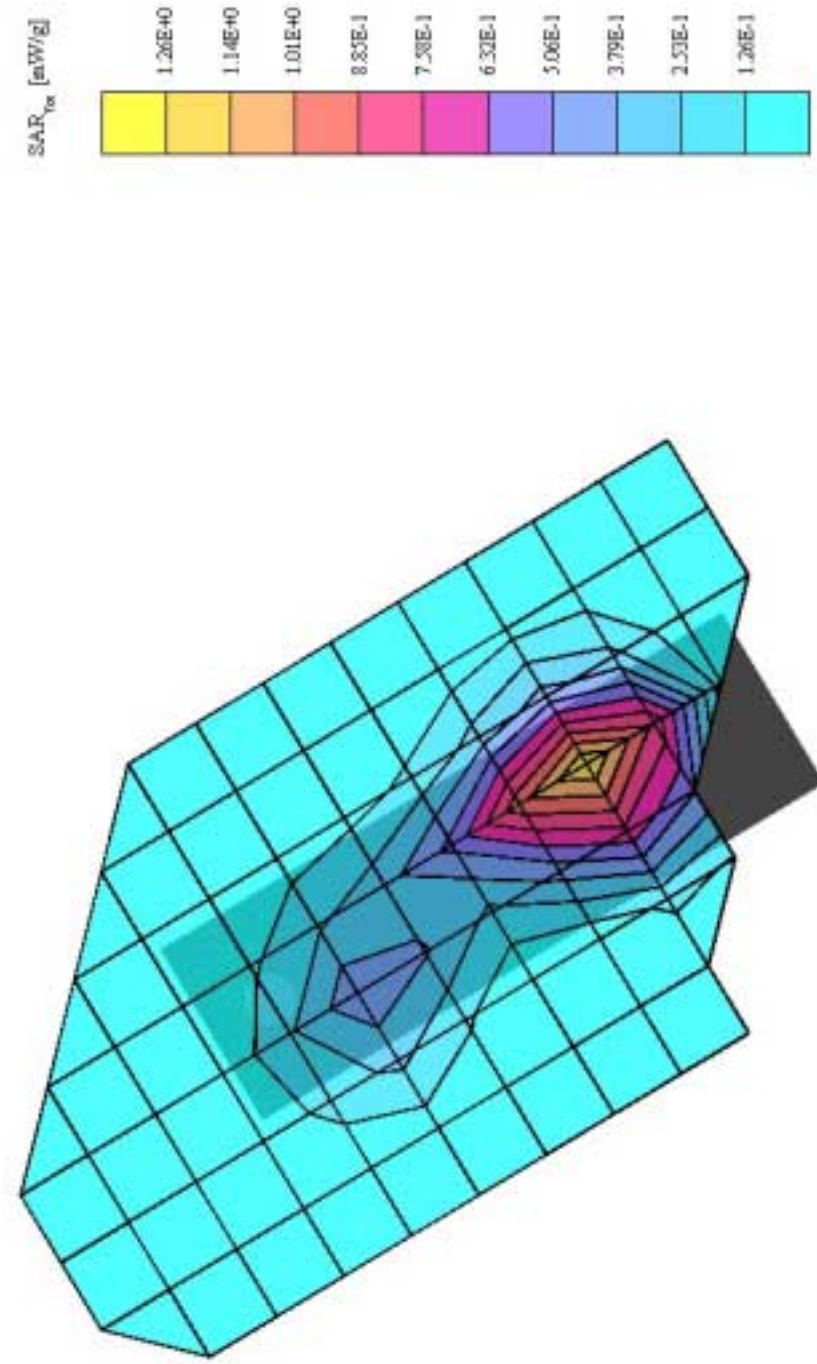


Fig. 5: Worst Case SAR distribution, handset 512, cheek position, right head, slim battery.

C6088i

SAM PCS 1900, Right Hand

Probe: ET3D76 - SN1579, ConvF(5.50,5.50); Crest factor: 3.0; Brain 1900MHz: $\sigma = 1.46$ mho/m, $\epsilon_r = 38.3$, $\rho = 1.00$ g/cm³

Cube 7x7x7: Peak: 0.267 mW/g, SAR(1g): 0.162 mW/g, SAR(10g): 0.0945 mW/g, (Worst-case extrapolation)

Penetration depth: 10.4(9.3, 11.1) [mm]

Powerdntf: 0.09 dB

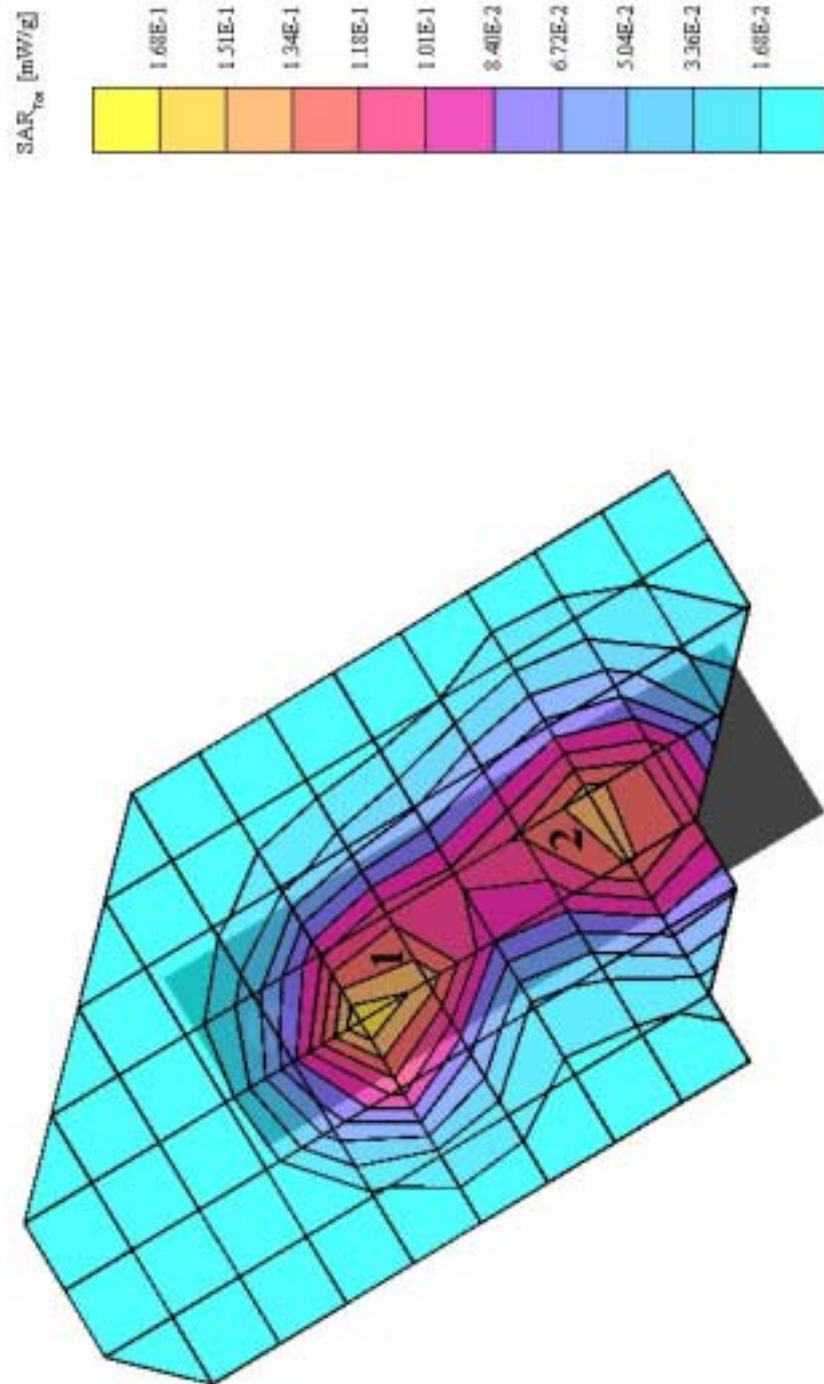


Fig. 6: Worst case SAR distribution in SAM PCS 1900, Right Hand position of head, slim battery. Cube 2: 0.0945 W/kg.

C6088i
 SAM PCS 1900, Left Hand
 Probe: ET3DV6 - SN1579, CoaxF(5.50,5.50), Crest factor: 8.0, Brain 1900MHz: $\sigma = 1.46$ mho/m $\rho = 1.00$ g/cm³
 Cube 7x7x7: Peak: 1.43 mW/g, SAR (1g): 0.913 mW/g, SAR (10g): 0.530 mW/g, (Worst-case extrapolation)
 Penetration depth: 12.4 (12.3, 12.5) [mm]
 Powerdnt: 0.07 dB

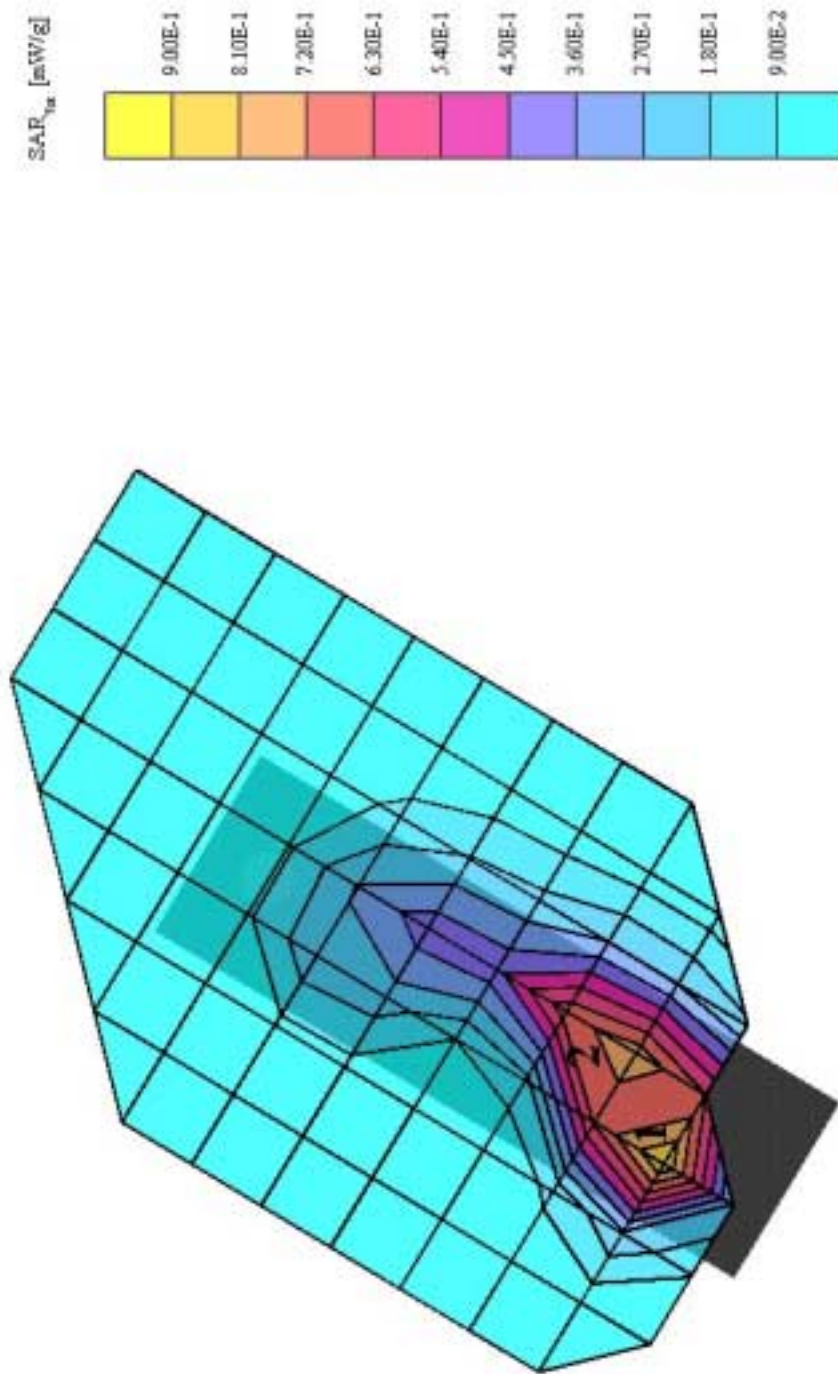


Fig. 7: SAR distribution, PCS 1900, handset position 1, left side of head, e battery. Cube 2: 0.860 W/kg.

C6088i
 SAM PCS1900; Left Hand
 Probe ET3DV6 - SNI579; ConvF(5.50,5.50); Crest factor 8.0; Brain 1900MHz $\sigma = 1.46$ mho/m $\epsilon_r = 38.8$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: Peak: 0.297 mW/g SAR (1g): 0.177 mW/g SAR (10g): 0.103 mW/g SAR (Worst-case extrapolation)
 Penetration depth: 10.1 (9.3, 11.2) [mm]
 Powerdft: -0.02 dB

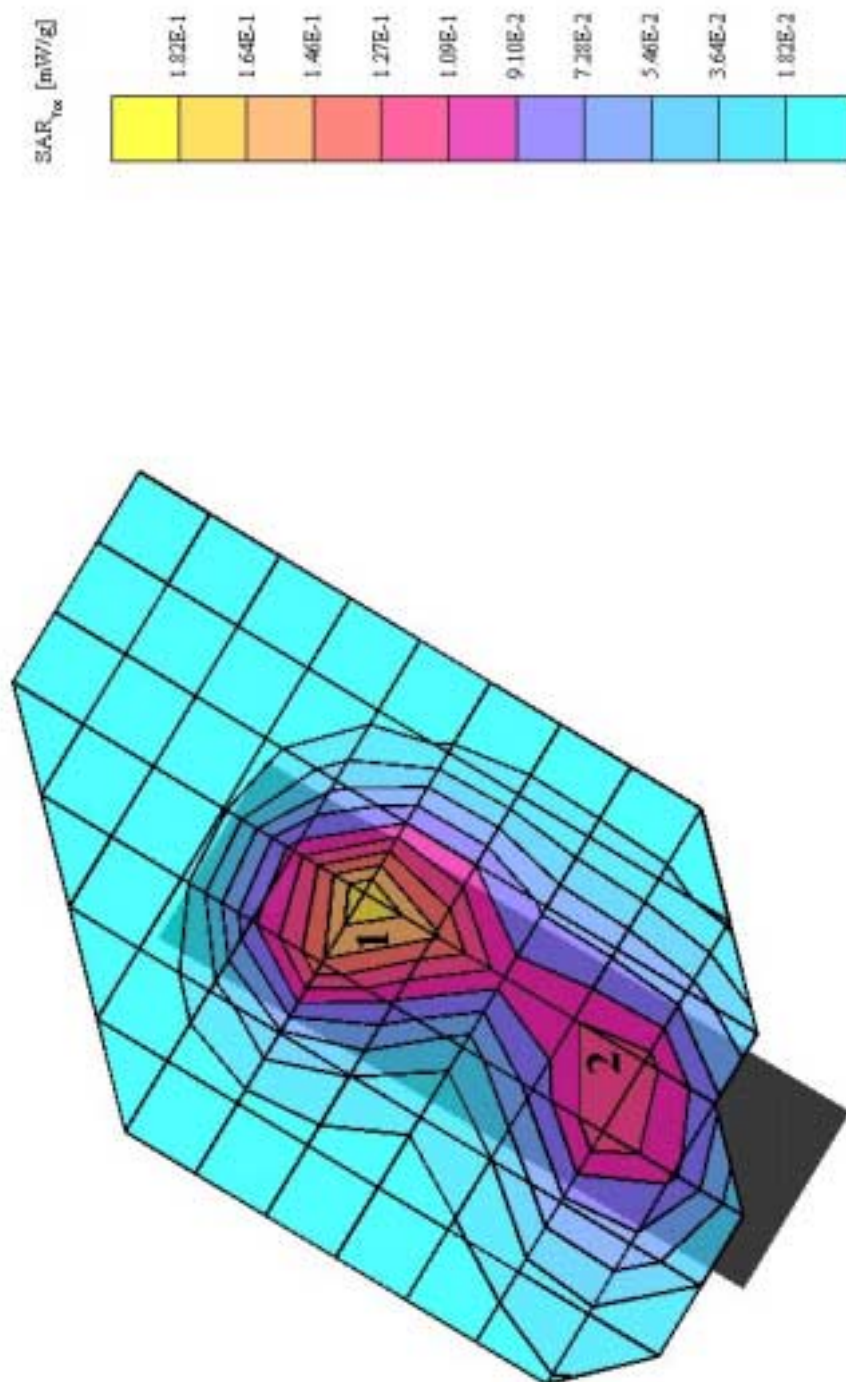


Fig. 8: SAR distribution, PCS 1900 handset, defhead, extended battery. Cube 2: 0.125 W/kg

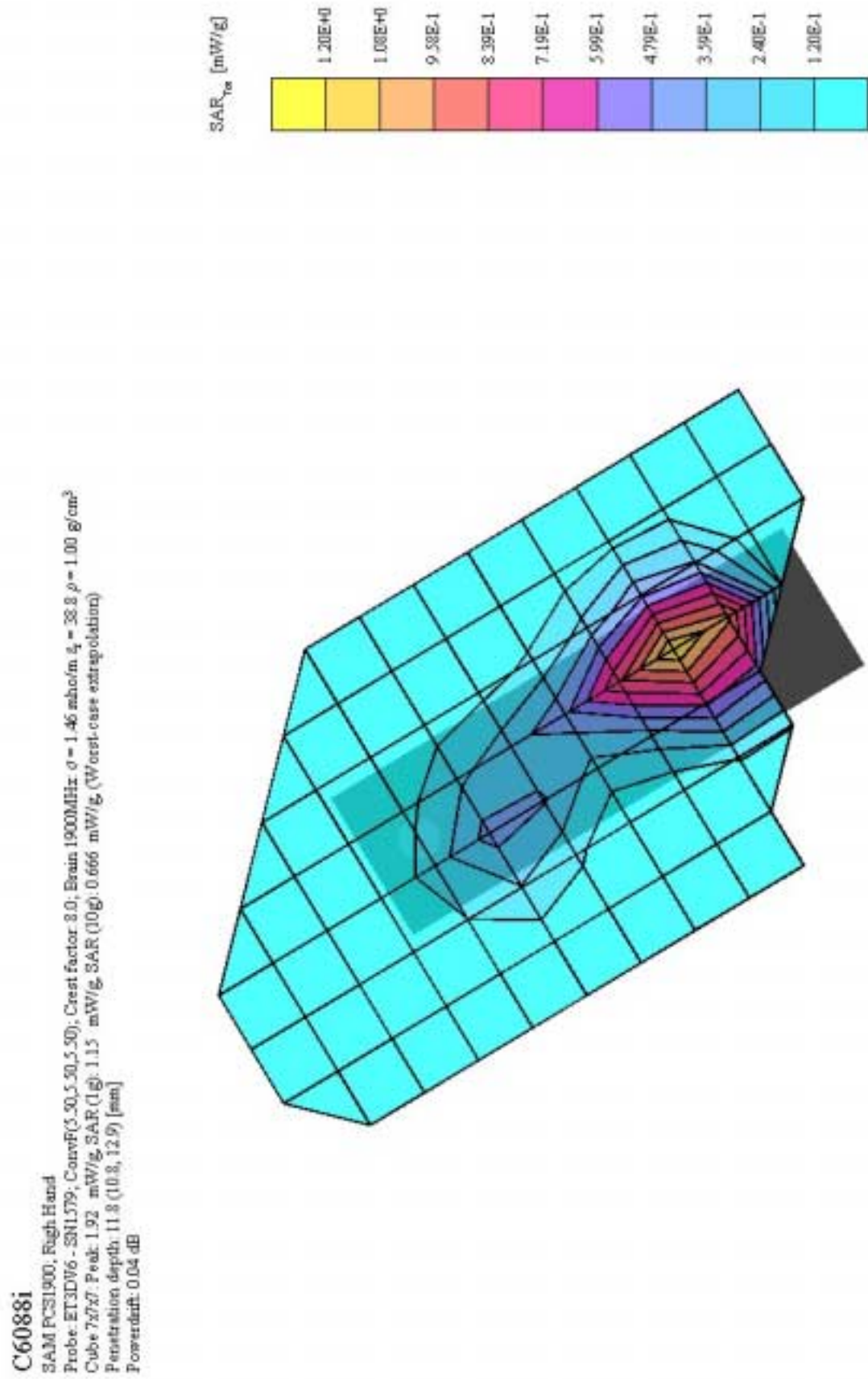


Fig. 9: Worst Case SAR distribution on model 512, cheek position, right head, extended battery.

C6088i

SAM PCS1900, Right Hand

Probe: ET3DV6 - SN1579; ConnF(5.50,5.50), Crest factor 8.0; Brain 1900MHz: $\sigma = 1.46$ mho/m $\epsilon_r = 38.2$ $\rho = 1.00$ g/cm³

Cube 7x7x7: Peak: 0.346 mW/g SAR (1g): 0.211 mW/g SAR (10g): 0.122 mW/g (Worst-case extrapolation)

Penetration depth: 10.3 (9.7, 11.1) [mm]

Powerdirt: 0.00 dB

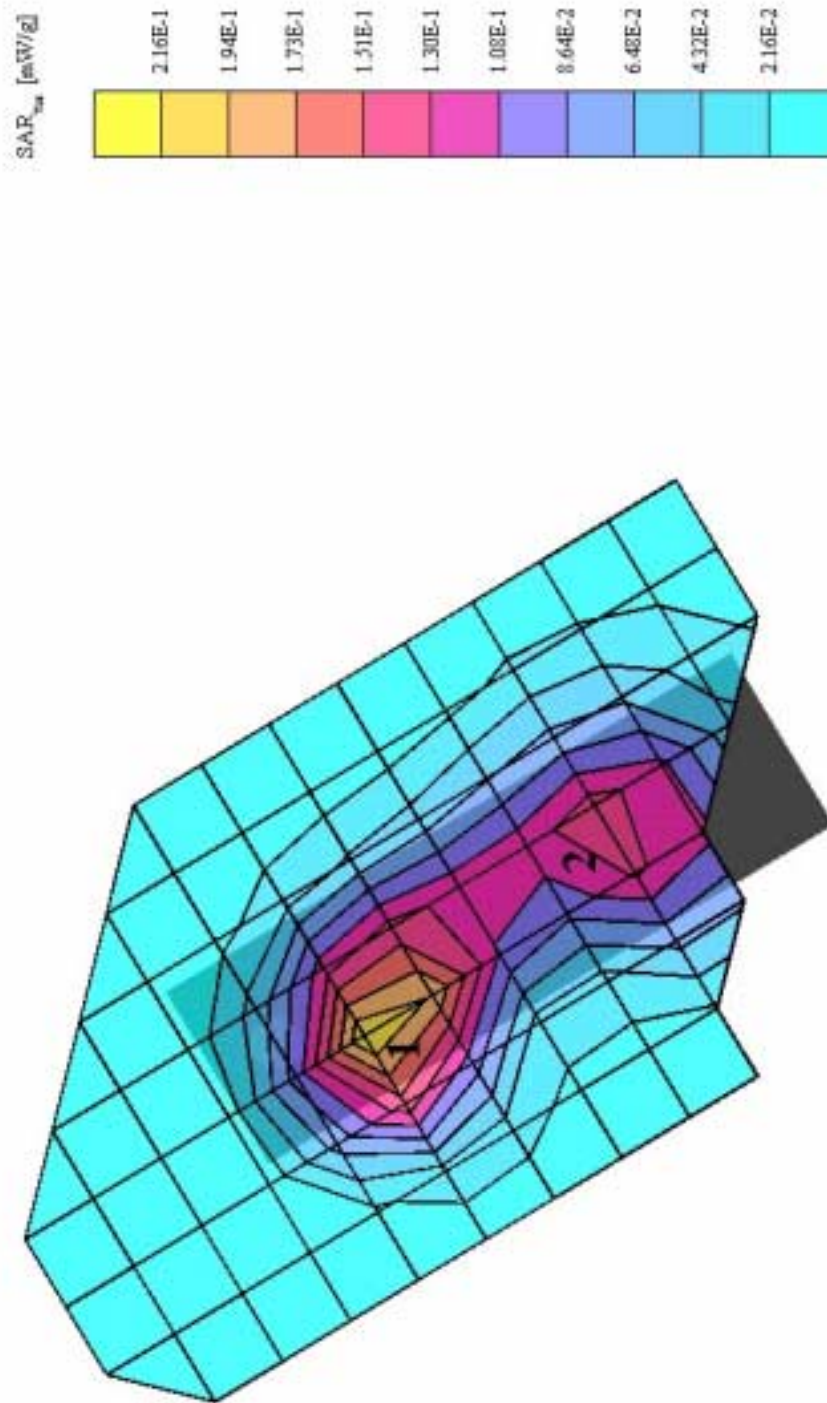


Fig. 10: Worst case SAR distribution on PCS6000, tilted position of head, extended battery. Cube 2: 0.141 W/kg.

C6088i Body Worn
 SAM PCS1900; Flat
 Probe: ET3D76 - SN1579, Coax76(5.00,5.00); Crest factor: 8.0; body 1900 MHz: $\sigma = 1.53$ mho/m $\epsilon_r = 51.7$ $\rho = 1.00$ g/cm³
 Cube 7x7x7; Peak: 0.418 mW/g; SAR (1 g): 0.244 mW/g; SAR (10 g): 0.148 mW/g; (Worst-case extrapolation)
 Penetration depth: 10.6 (9.0, 12.7) [mm]
 Powerdelt: -0.06 dB

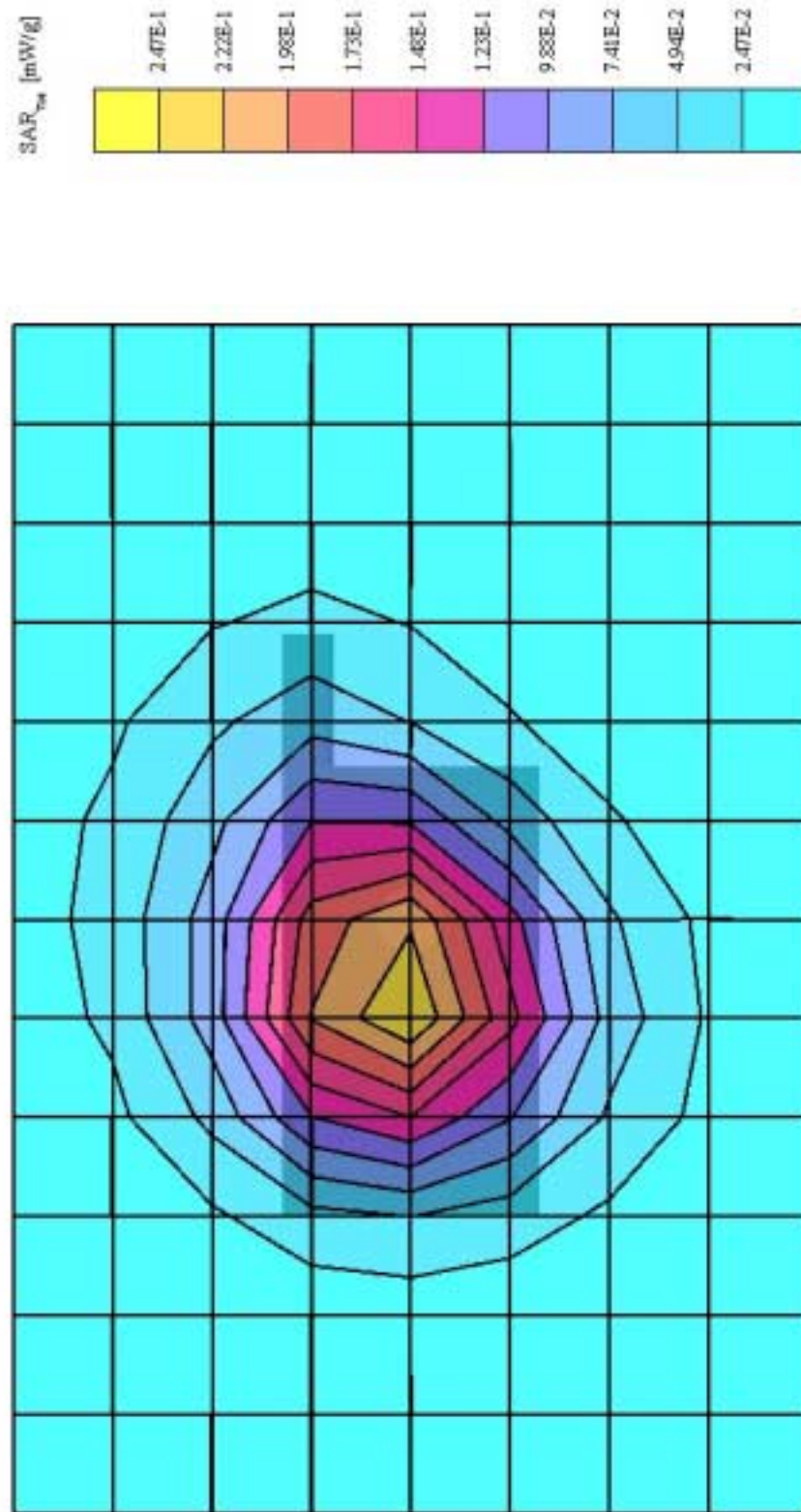


Fig. 11: Worst case SAR distribution, PCS 1900, channel 512, body worn
 Clip with Headset and slim battery.

C6088i Body Worn
 GSM1000, Flat
 Probe: ET3DV6 - SN1579, ConvF(5.00,5.00,5.00), Crest factor: 8.0, body 1900 MHz: $\sigma = 1.53$ mho/m $\epsilon_r = 51.7$ $\rho = 1.00$ g/cm³
 Cube 7x7x7: Peak: 0.345 mW/g SAR (1 g): 0.202 mW/g SAR (10 g): 0.123 mW/g SAR (Worst-case extrapolation)
 Penetration depth: 10.5 (2.2, 12.6) [mm]
 Power drift: 0.00 dB

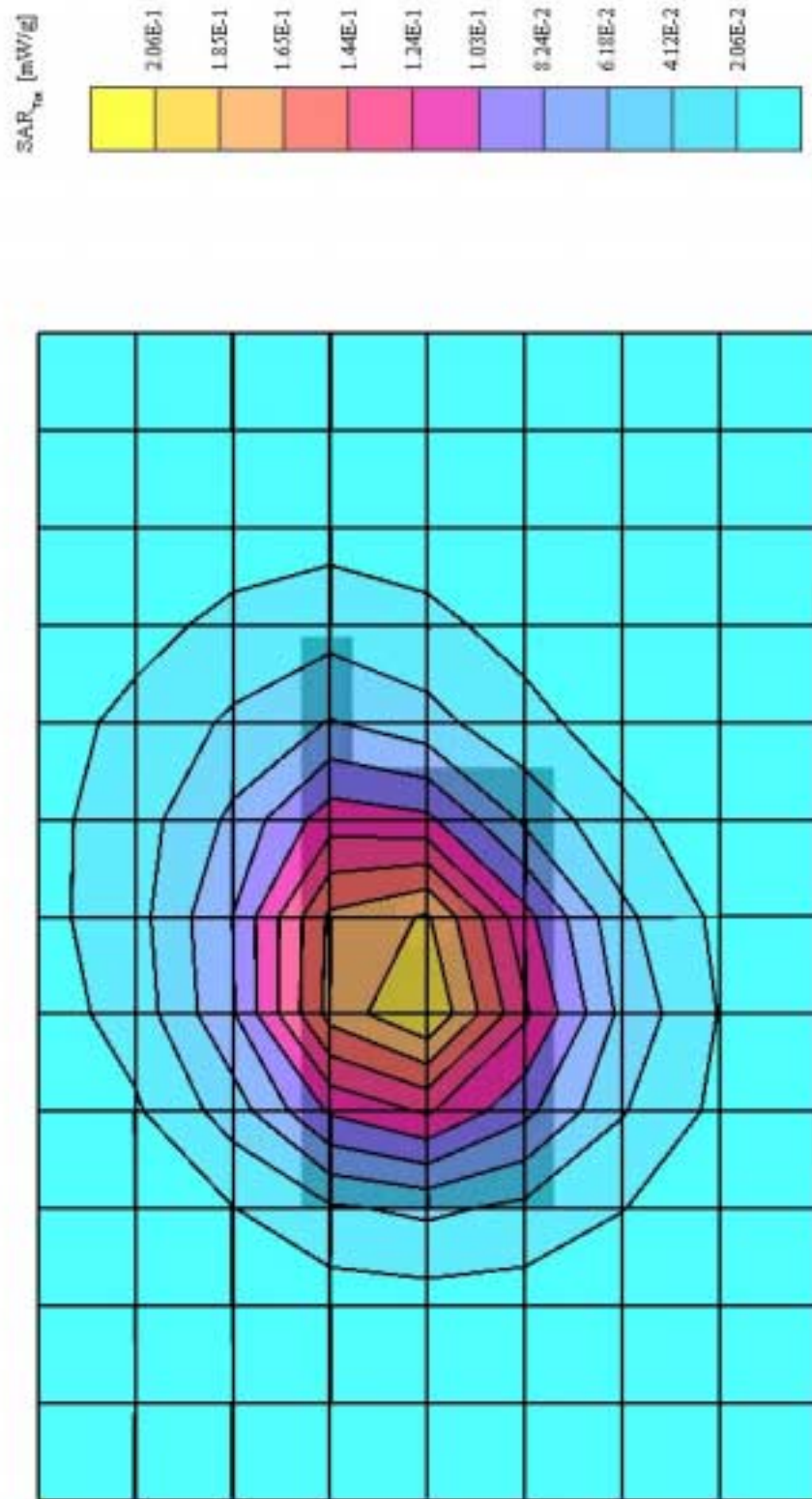


Fig. 12: Worst case SAR distribution, PCS 1900, channel 512, body worn
 Clip with Headset and extended battery.

3 SAR z-axis scan

The following pictures show the plots of SAR depth for the worst case val

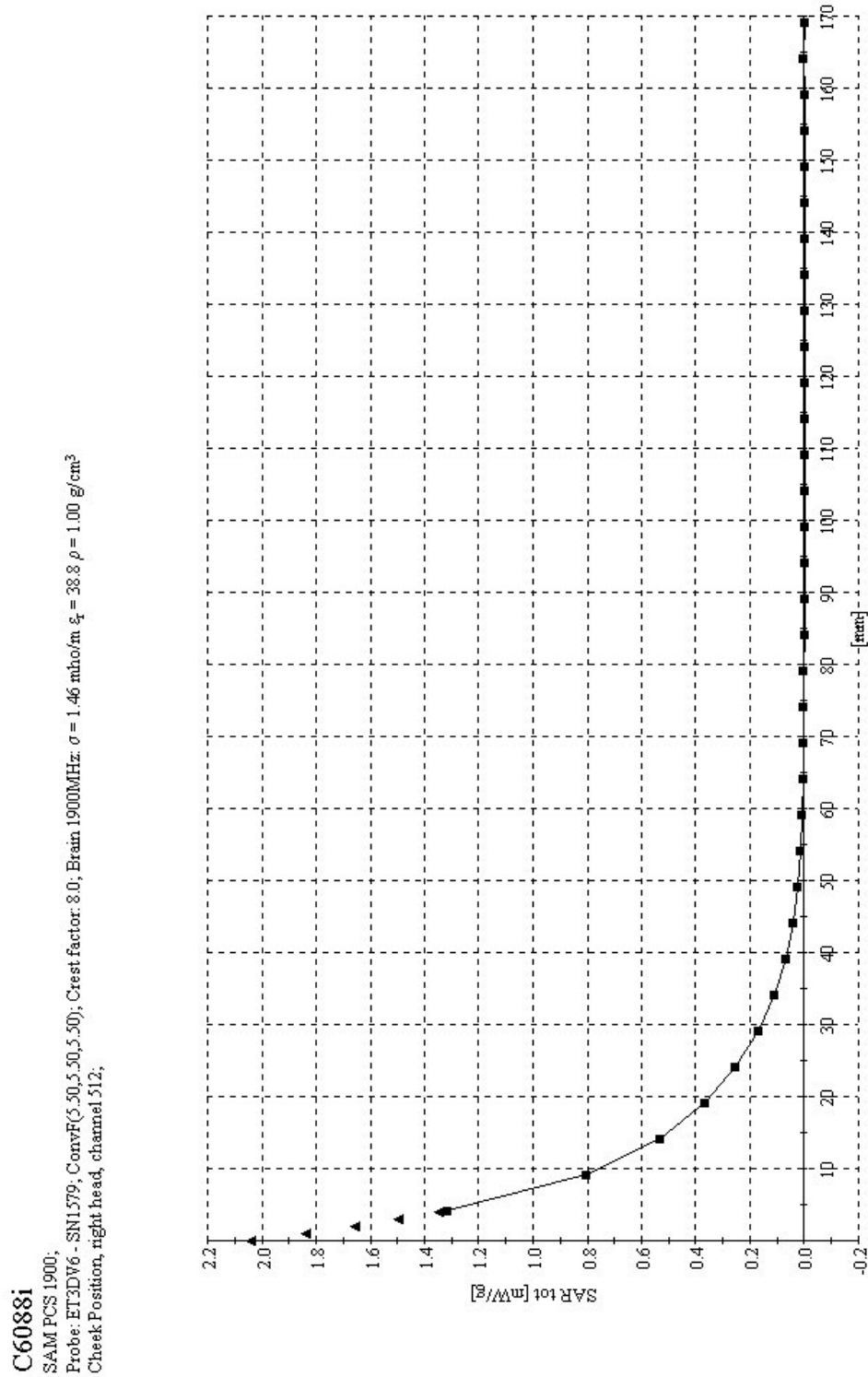


Fig. 13: SAR versus liquid depth with the highest value: PCS 1900, chanr cheek position, right side of head, slim battery.

C6088i Body Worn

SAM PCS1900;

Probe: ET3DV6 - SN1579; ConvF(5.00,5.00,5.00); Crest factor: 8.0; body 1900 MHz: $\sigma = 1.53$ mho/m $\epsilon_r = 51.7$ $\rho = 1.00$ g/cm³

Body worn configuration, channel 512

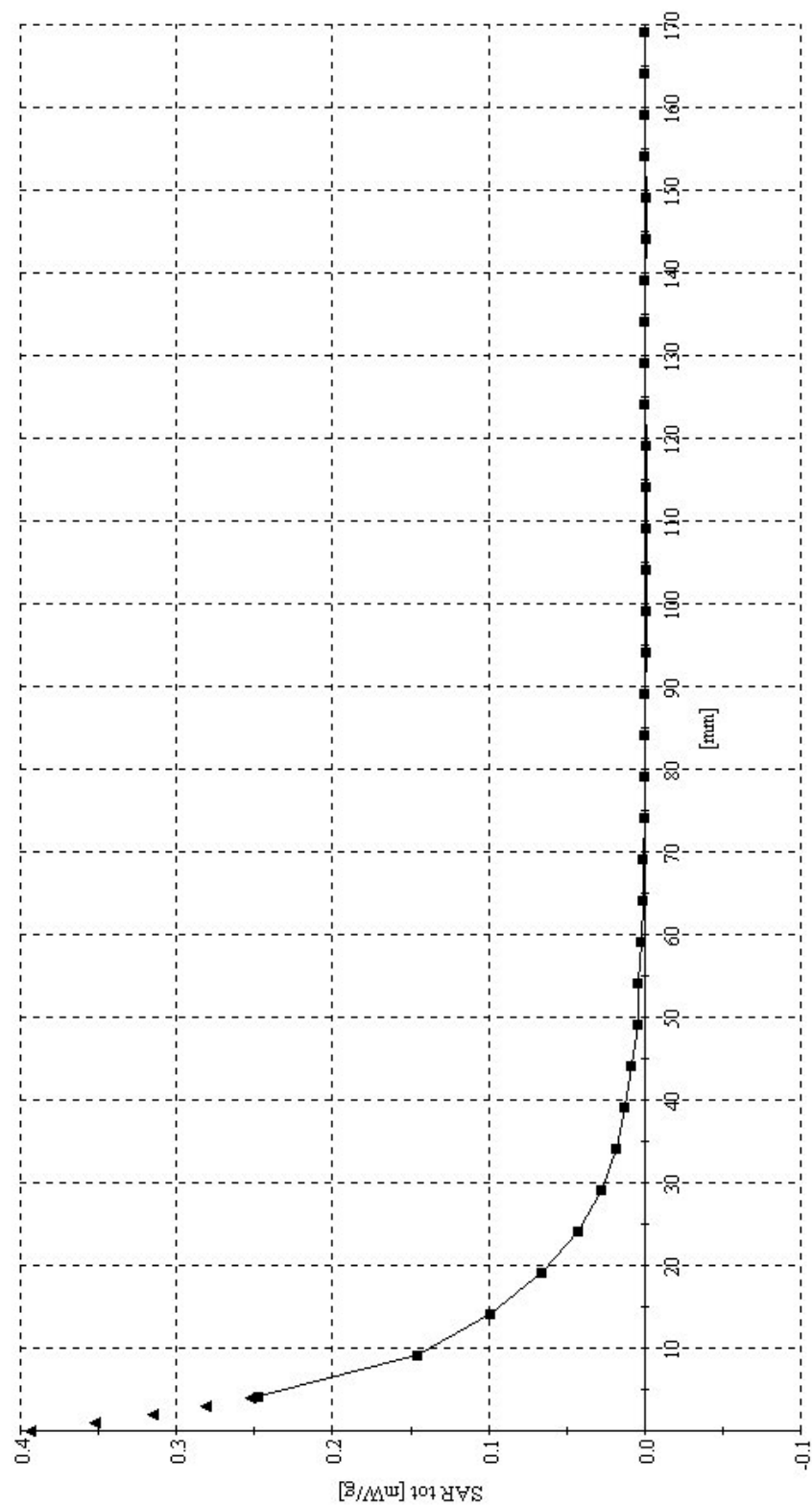


Fig. 14: SAR versus liquid depth with the highest value: PCS 1900, chanr body worn configuration C6088i, battery C6088i slim battery.