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# Appendix for the Report

## Dosimetric Assessment of

### Mobicom C6288i (FCC ID: P8D-C6288)

### According to the FCC Requirements

## SAR Distribution Plot

March 19, 2002  
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The test results only relate to the item tested.  
This report shall not be reproduced or used in full without the written  
approval of the testing laboratory.

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# 1 SAR Distribution Plots, Test side ambient conditions.

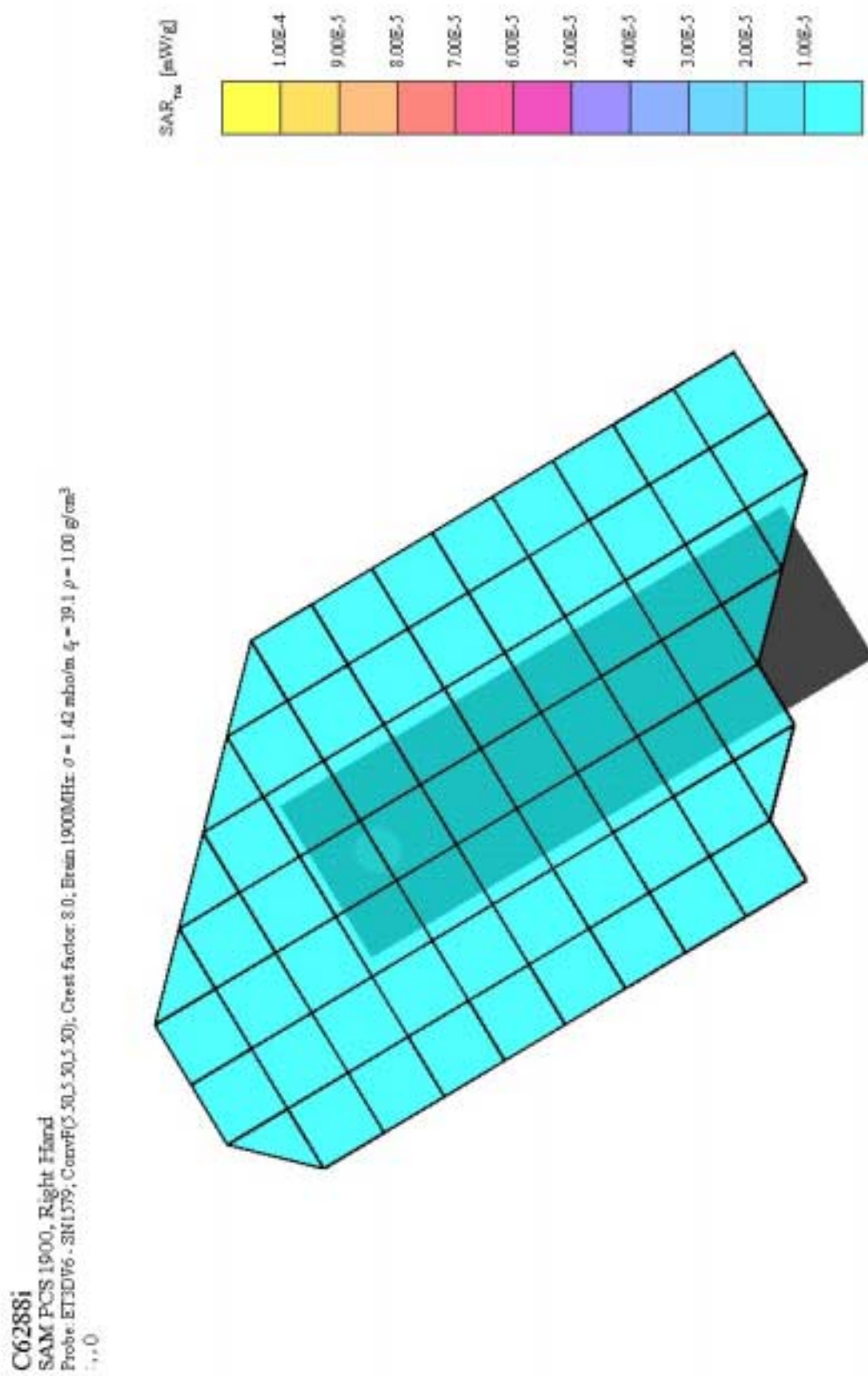


Fig. 1: Test side measurements, 1900 MHz, head position.

**C6288i Body Worn**  
 SAM PCS 1900, Flat  
 Probe: ET3DV6 - SN1579, ConvF(5.00,5.00,5.00); Crest factor: 8.0; body 1900 MHz;  $\sigma = 1.54$  mho/m;  $\epsilon = 51.6$ ;  $\rho = 1.00$  g/cm<sup>3</sup>  
 :..0

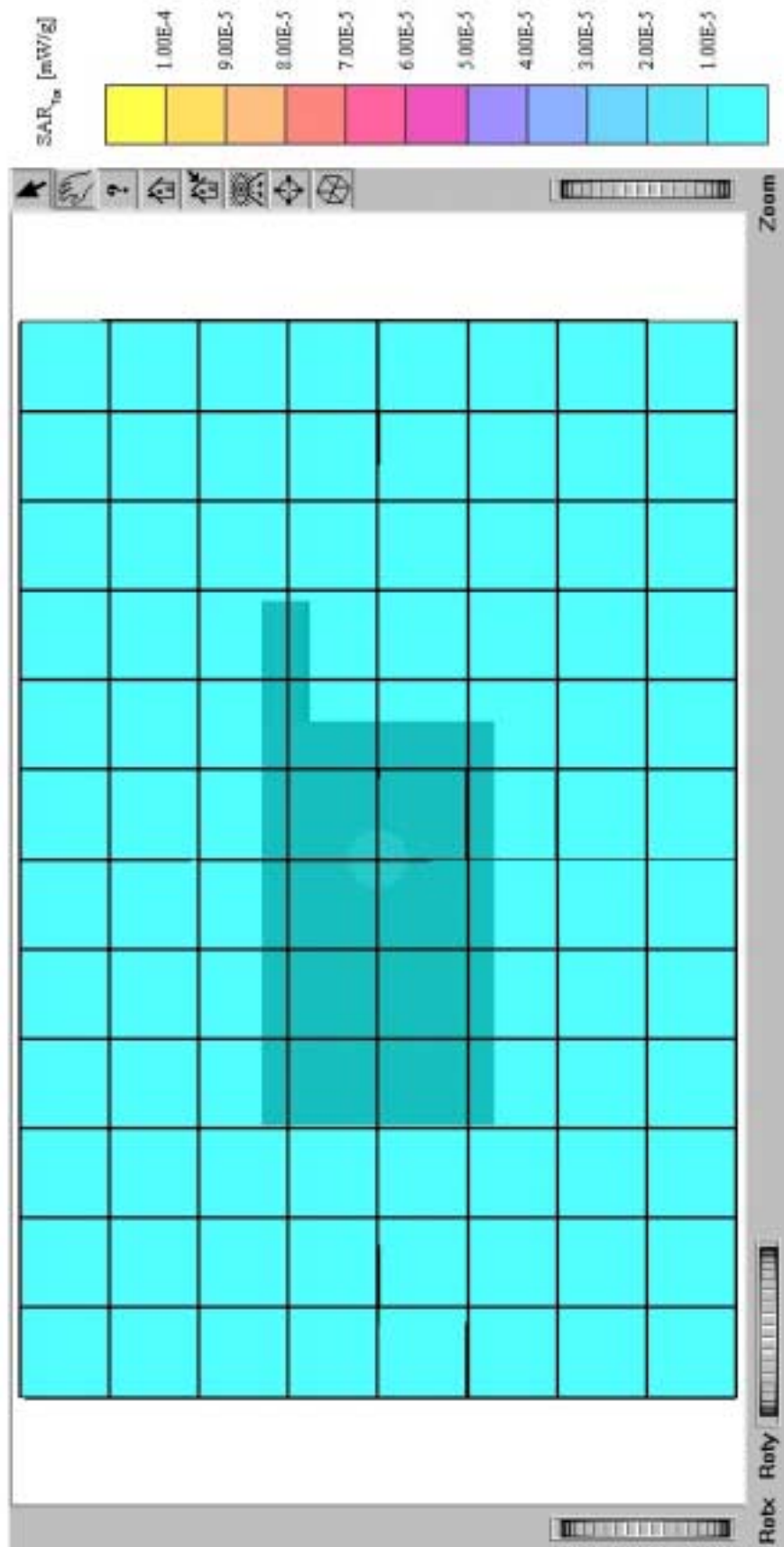


Fig. 2: Test side ambient measurements, 1900 MHz, body worn position.

## 2 SAR Distribution Plots, PCS 1900

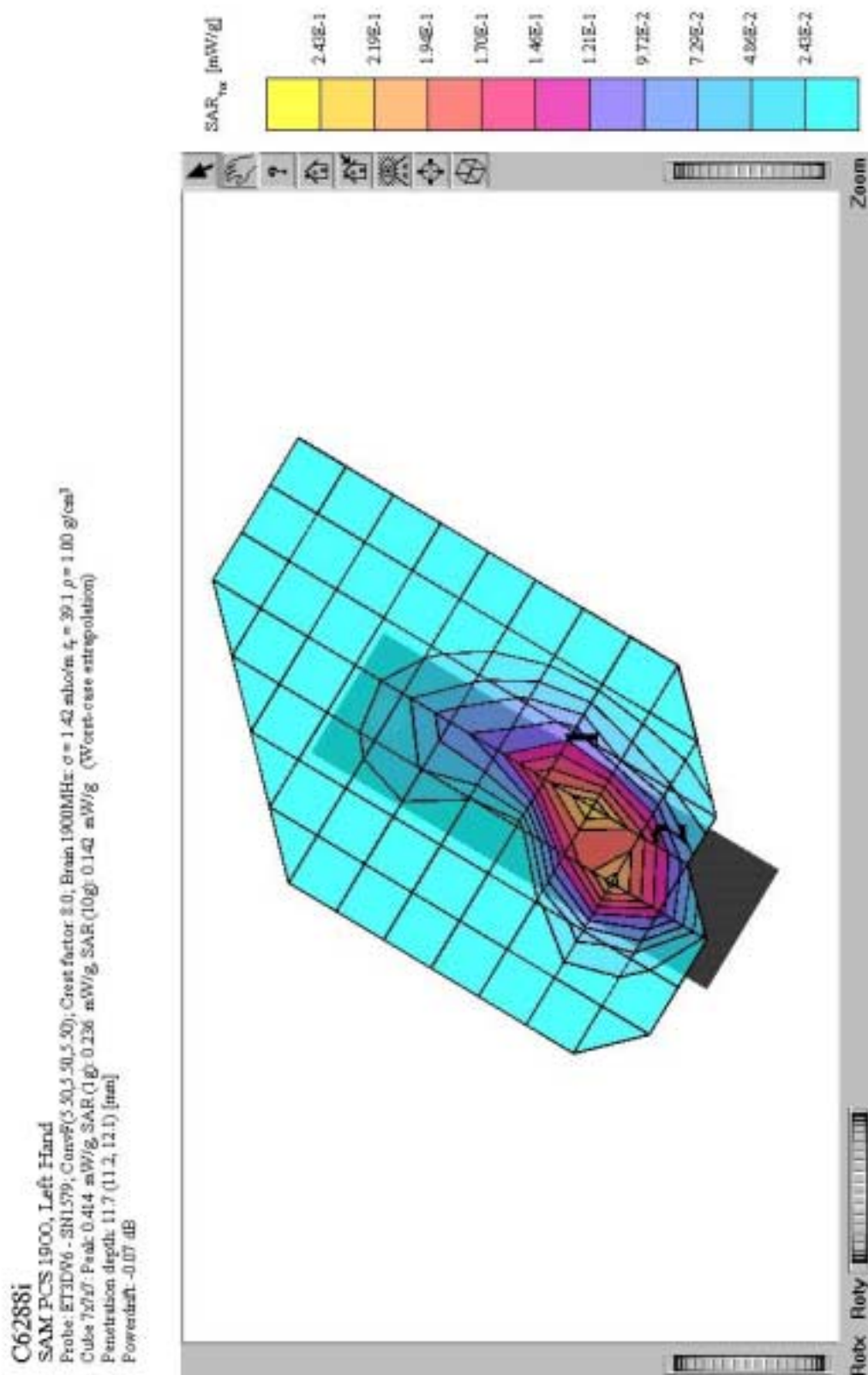


Fig. 3: SAR distribution, PCS 1900, eekapoint1001, left side of head, slin  
 Cube 2: 0.221 W/kg

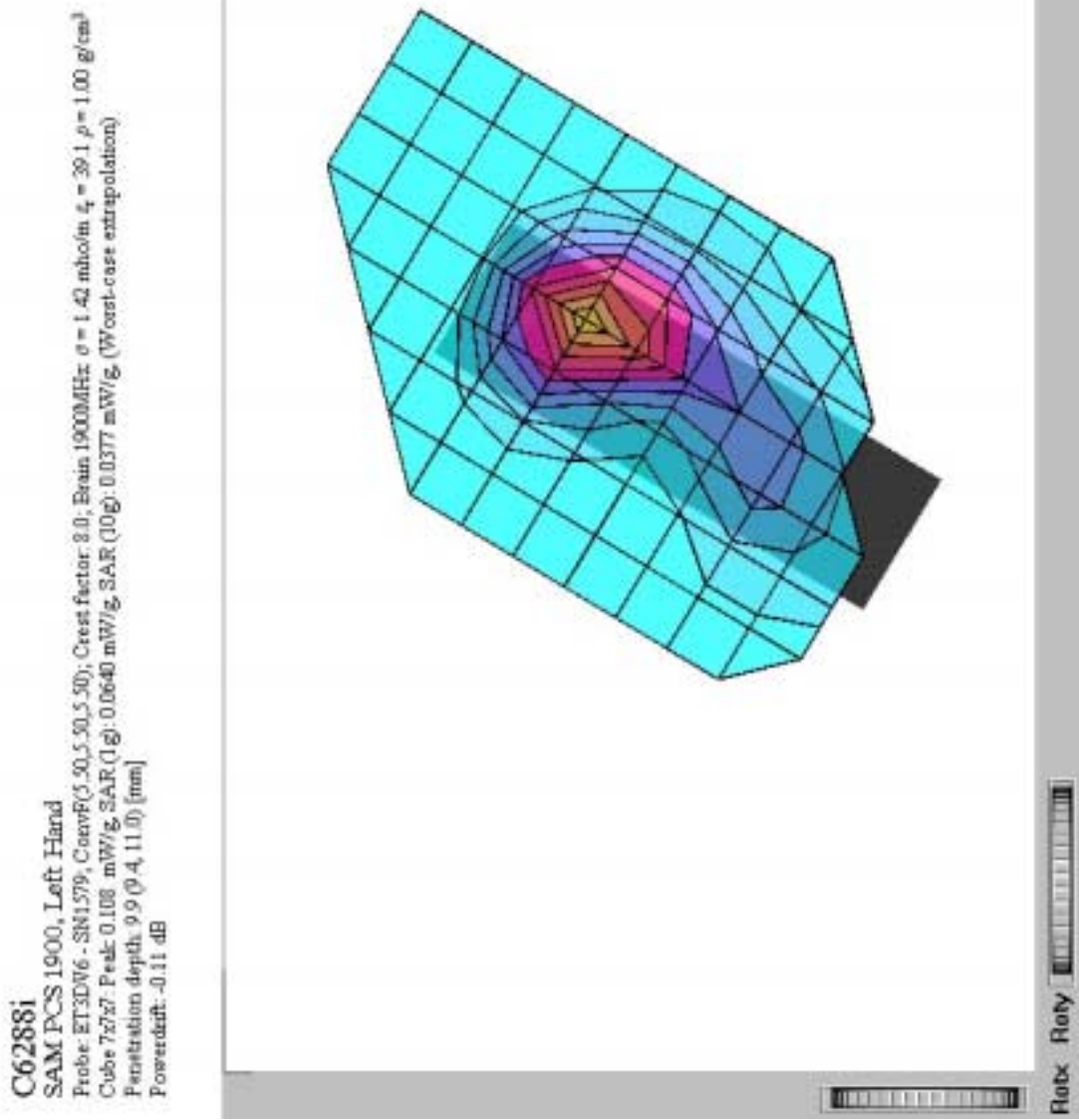


Fig. 4: SAR distribution, PCS 1900, dposition601, left hand, slim battery.

C6288i  
 SAM PCS 1900, Right Hand  
 Probe: ET3DV6 - SN1579, ConvF(5.50,5.50,5.50); Crest factor: 8.0; Brain 1900MHz:  $\sigma = 1.42$  mho/m,  $\epsilon_r = 39.1$ ,  $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: Peak: 0.425 mW/g, SAR(1g): 0.246 mW/g, SAR(10g): 0.140 mW/g, SAR(10g): 0.140 mW/g (Worst-case extrapolation)  
 Penetration depth: 10.4 (9.9, 11.2) [mm]  
 Powerdistr: -0.09 dB

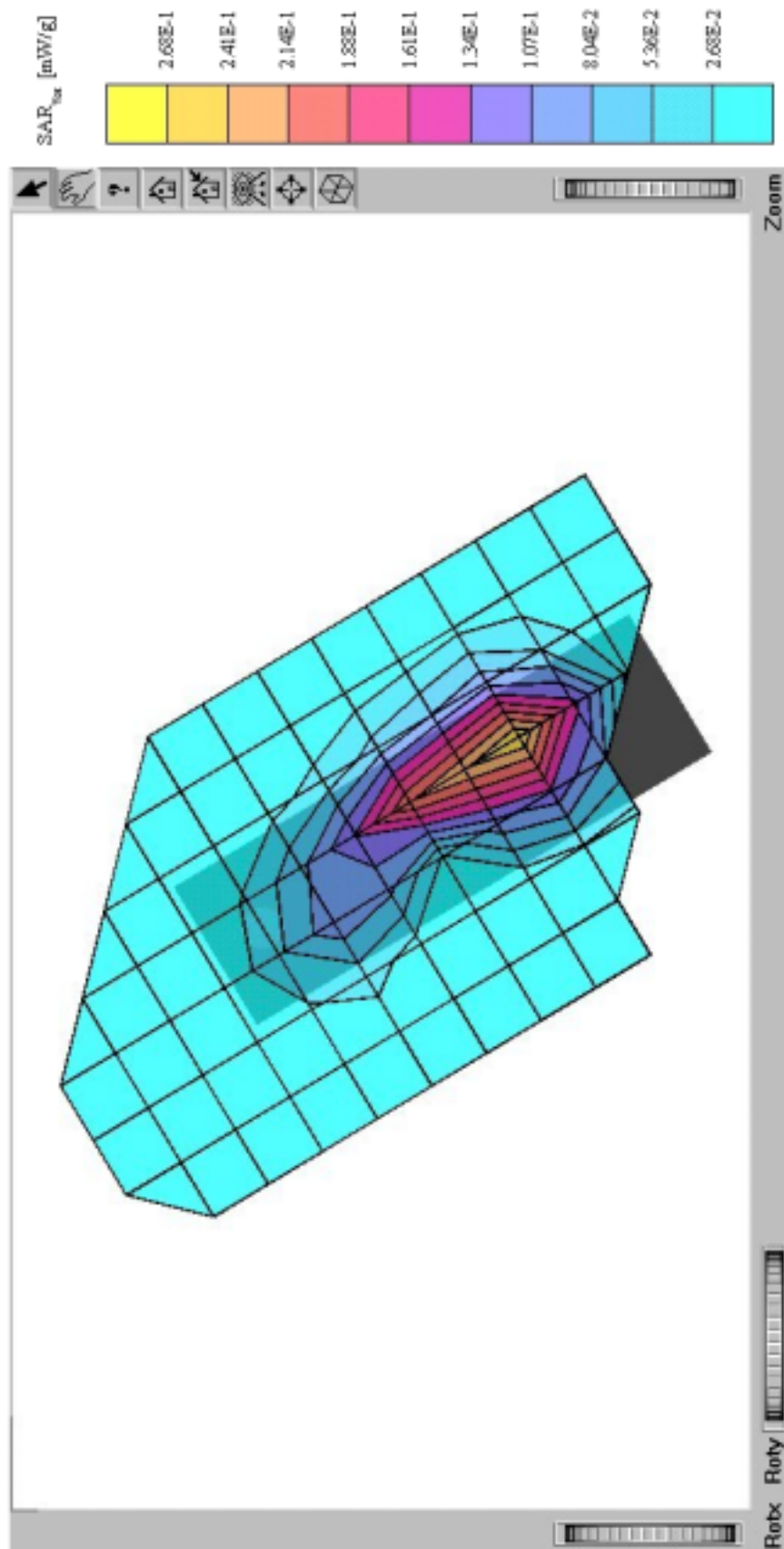


Fig. 5: SAR distribution, PCS 1900, **cheek** position, right side of head battery.

**C6288i**  
 SAM PCS 1900, Right Hand  
 Probe: ET3DV6 - SN1579, Conv#(5,50,5,50), Crest factor: 8.0, Brain 1900MHz:  $\sigma = 1.42$  mho/m,  $\epsilon = 39.1$ ,  $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: Peak: 0.122 mW/g, SAR (1g): 0.0728 mW/g, SAR (10g): 0.0436 mW/g, (Worst-case extrapolation)  
 Penetration depth: 10.7 (10.0, 11.7) [mm]  
 Powerdntf: 0.01 dB

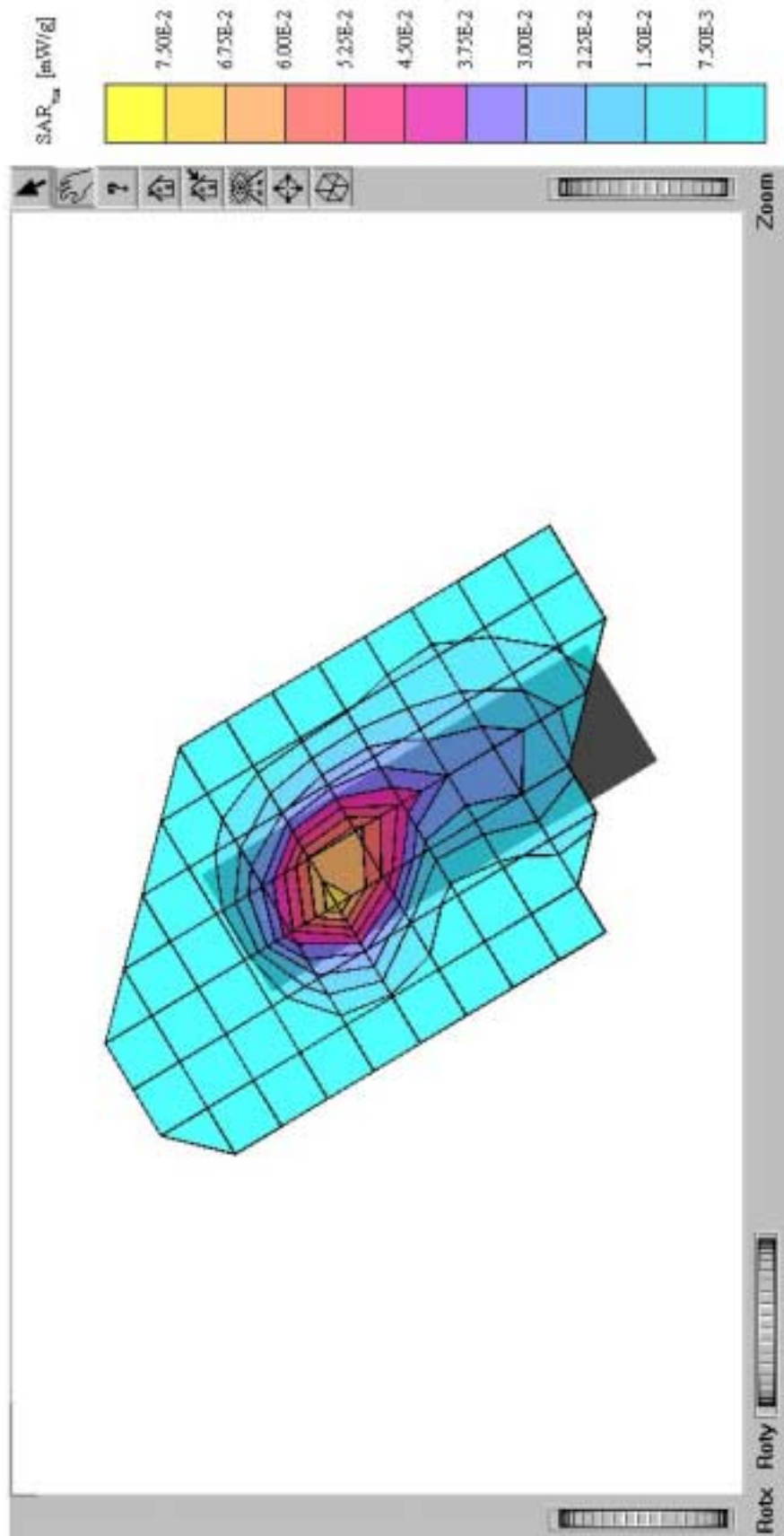


Fig. 6: SAR distribution, PCS 1900, in the position of the mobile phone, T of the side battery.

**C6288i**  
**SAM PCS 1900, Left Hand**  
 Probe: ET3DV6 - SN1579, ConvF(50,5,50,5,50), Crest factor: 2.0, From 1900MHz:  $\sigma = 1.42$  mho/m  $\epsilon_r = 39.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: Peak: 0.367 mW/g, SAR (1g): 0.229 mW/g, SAR (10g): 0.140 mW/g, SAR (10g): 0.140 mW/g, (Worst-case extrapolation)  
 Penetration depth: 140 (133, 141) [mm]  
 Powerdraft: -0.14dB

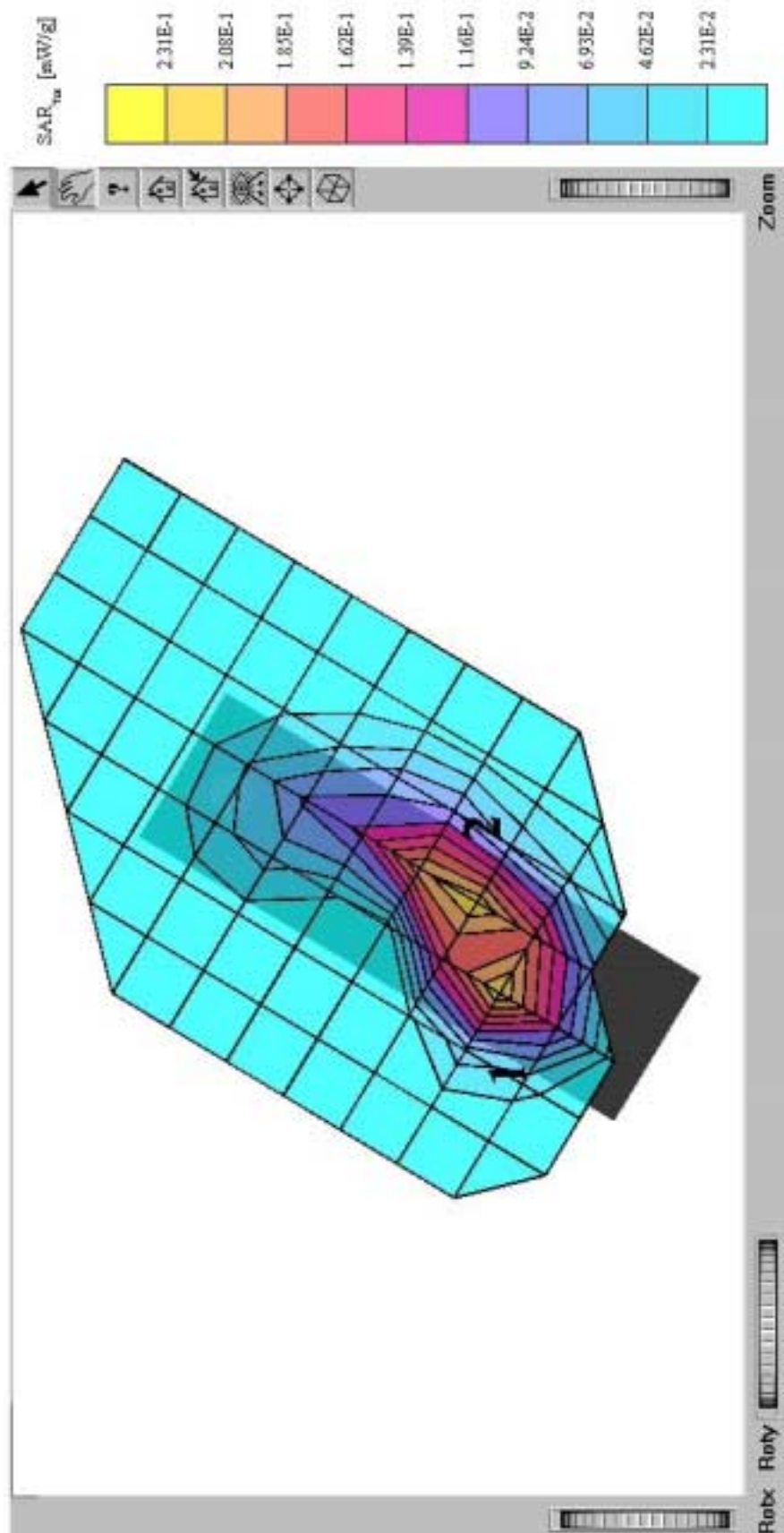


Fig. 7: SAR distribution, PCS 1900, handset position, left side of head, e battery. Cube 2: 0.222 W/kg.

**C6288i**  
**SAM PCS 1900, Left Hand**  
 Probe: ET3DV6 - SN1579, CurveF(5.30,5.30,5.50); Crest factor: 8.0; Brain 1900MHz:  $\sigma = 1.42$  mho/m,  $\epsilon_r = 39.1$ ,  $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: Peak: 0.126 mW/g, SAR (1g): 0.0709 mW/g, SAR (10g): 0.0414 mW/g, (Worst-case extrapolation)  
 Penetration depth: 10.3 @ 5, 11.3 [mm]  
 Powerdelt: -0.05 dB

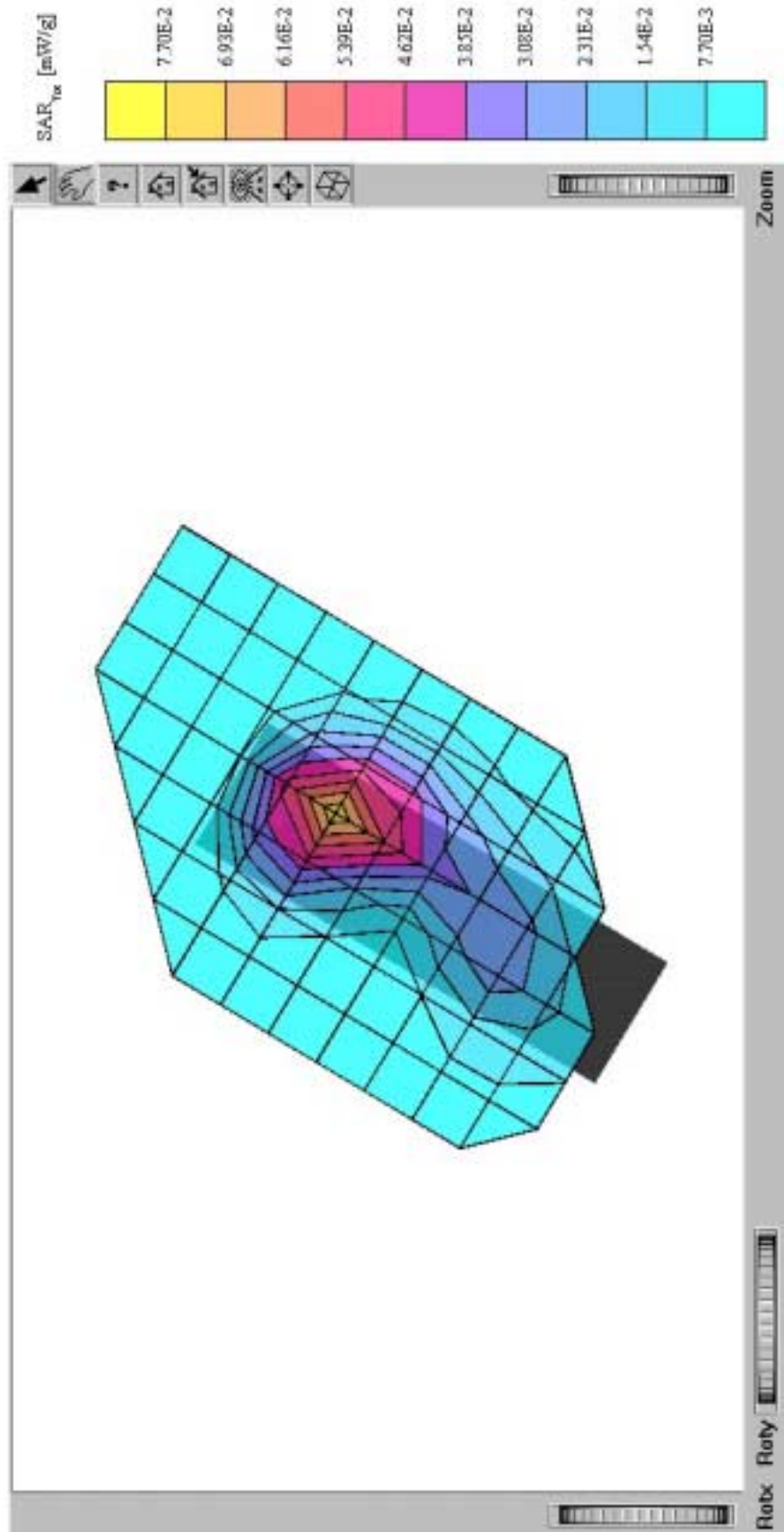


Fig. 8: SAR distribution, PCS 1900, left hand position, deflated extended battery.

C6288i  
 SAM PCS 1900, Right Hand  
 Probe: ETJDV6 - SN1579; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Brain 1900MHz:  $\sigma = 1.42$  mho/m  $\epsilon_s = 39.1$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 75x75 Peak: 0.422 mW/g SAR (1g) 0.248 mW/g SAR (10g) 0.145 mW/g (Worst-case extrapolation)  
 Penetration depth: 11.7 (11.0, 12.6) [mm]  
 Powerdnt: -0.08 dB

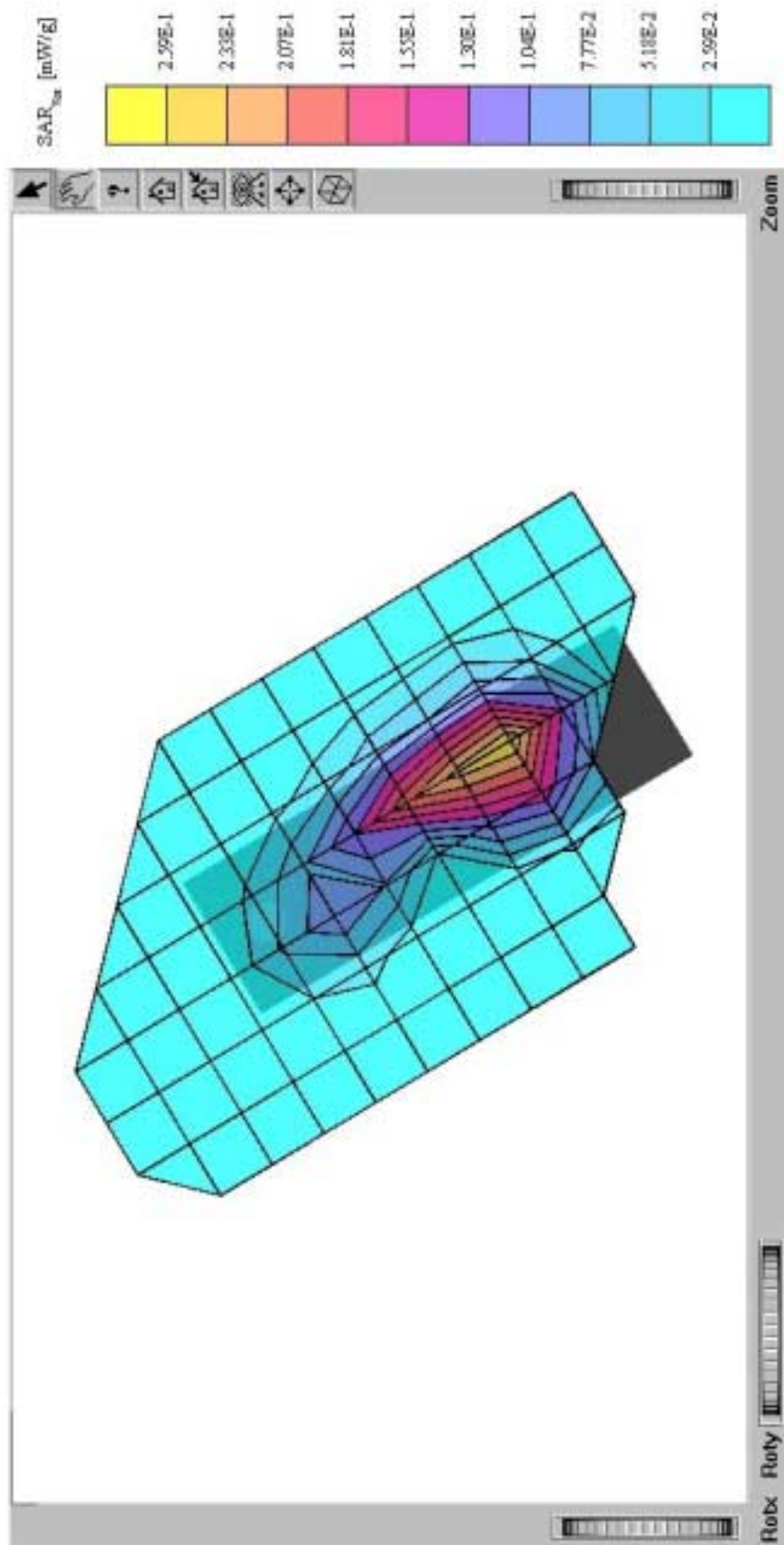


Fig. 9: SAR distribution, PCS 1900, channel 66, right side of head, e battery.

**C6288i**  
**SAM PCS 1900, Right Hand**  
 Probe: ET3DV6 - SN1579; ConvF(5.50,5.50,5.50); Crest factor: 8.0; Brain 1900MHz:  $\sigma = 1.42$  mho/m,  $\epsilon_r = 39.1$ ,  $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7: Peak: 0.131 mW/g, SAR (1g): 0.0728 mW/g, SAR (10g): 0.0421 mW/g, (Worst-case extrapolation)  
 Penetration depth: 10.1 (8.3, 12.7) [mm]  
 Powerdelt: -0.16 dB

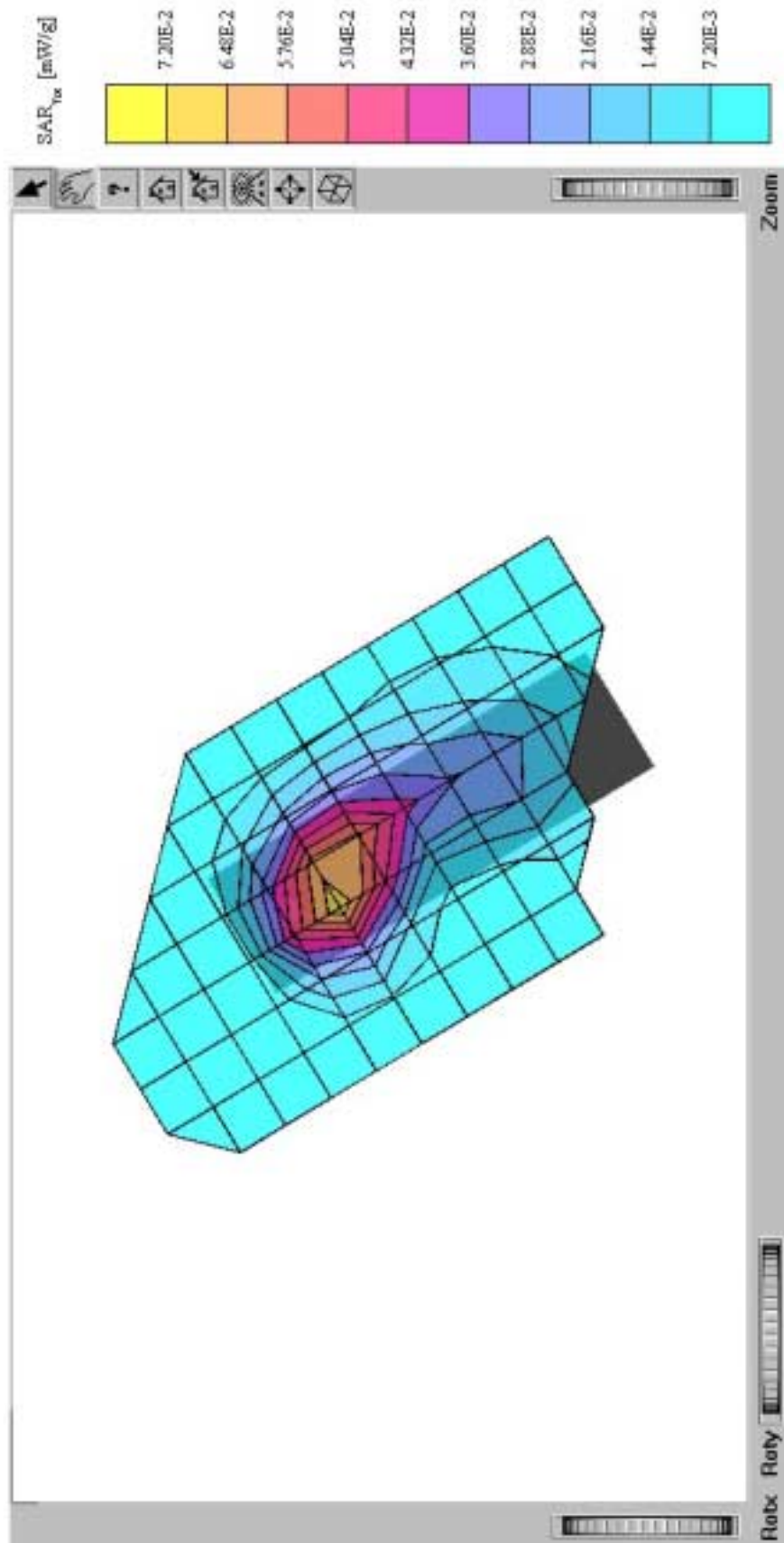


Fig. 10: SAR distribution, PCS 1900, tilted, hands free, right hand, extended battery.

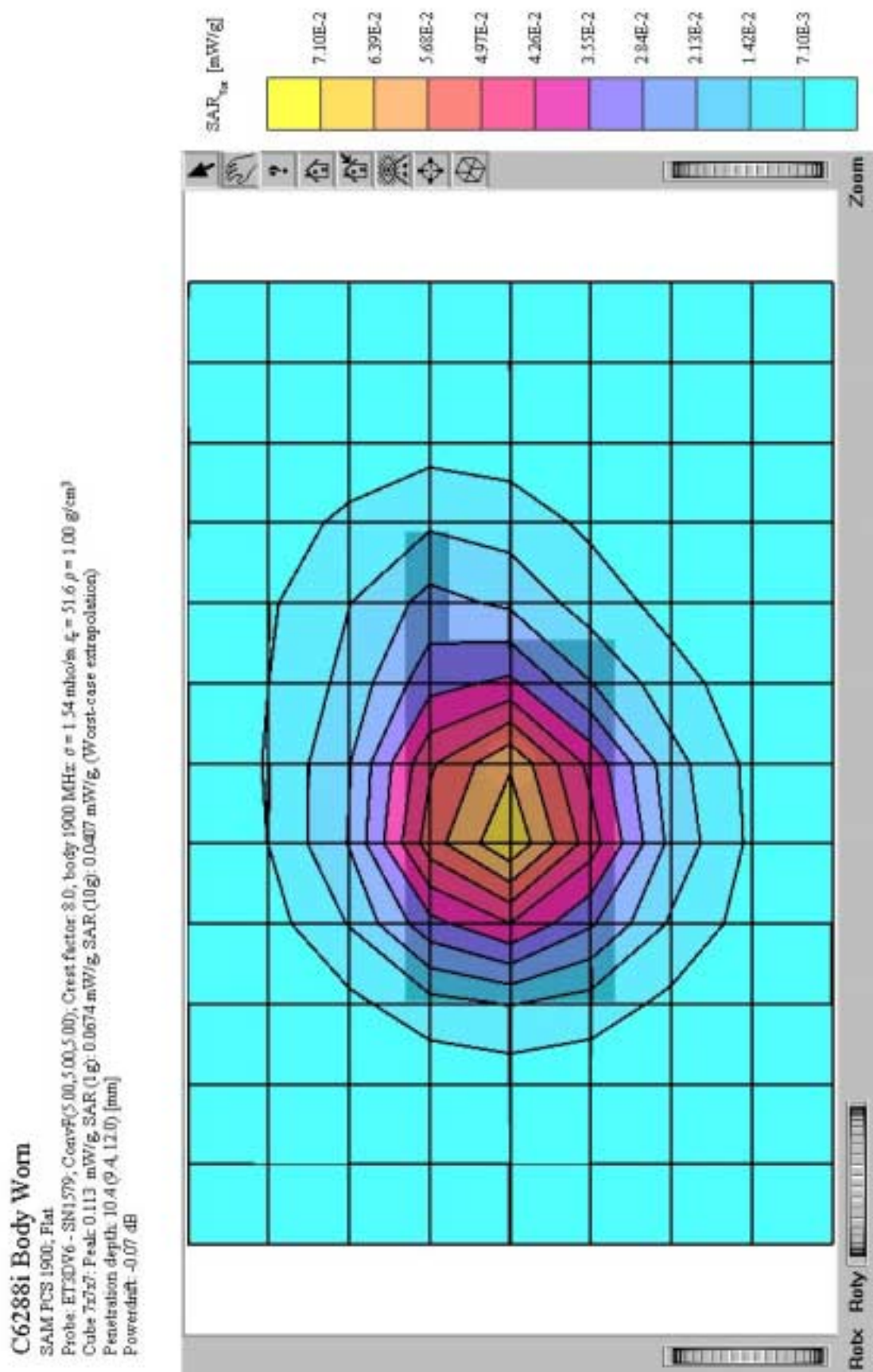


Fig. 11: Worst case SAR distribution, channel 512, body worn configuration: belt clip, head-on slim battery.

# C6288i Body Worn

SAM PCS 1900; Flat  
 Probe: ET3DV6 - SN1579, ConvF(5.00,5.00), Crest factor: 8.0, body 1900 MHz:  $\sigma = 1.54$  mho/m  $\epsilon_r = 51.6$   $\rho = 1.00$  g/cm<sup>3</sup>  
 Cube 7x7x7; Peak: 0.0966 mW/g, SAR(1g): 0.0569 mW/g, SAR(10g): 0.0347 mW/g, (Worst-case extrapolation)  
 Penetration depth: 10.4 (9.2, 12.0) [mm]  
 Powerdelt: 0.03 dB

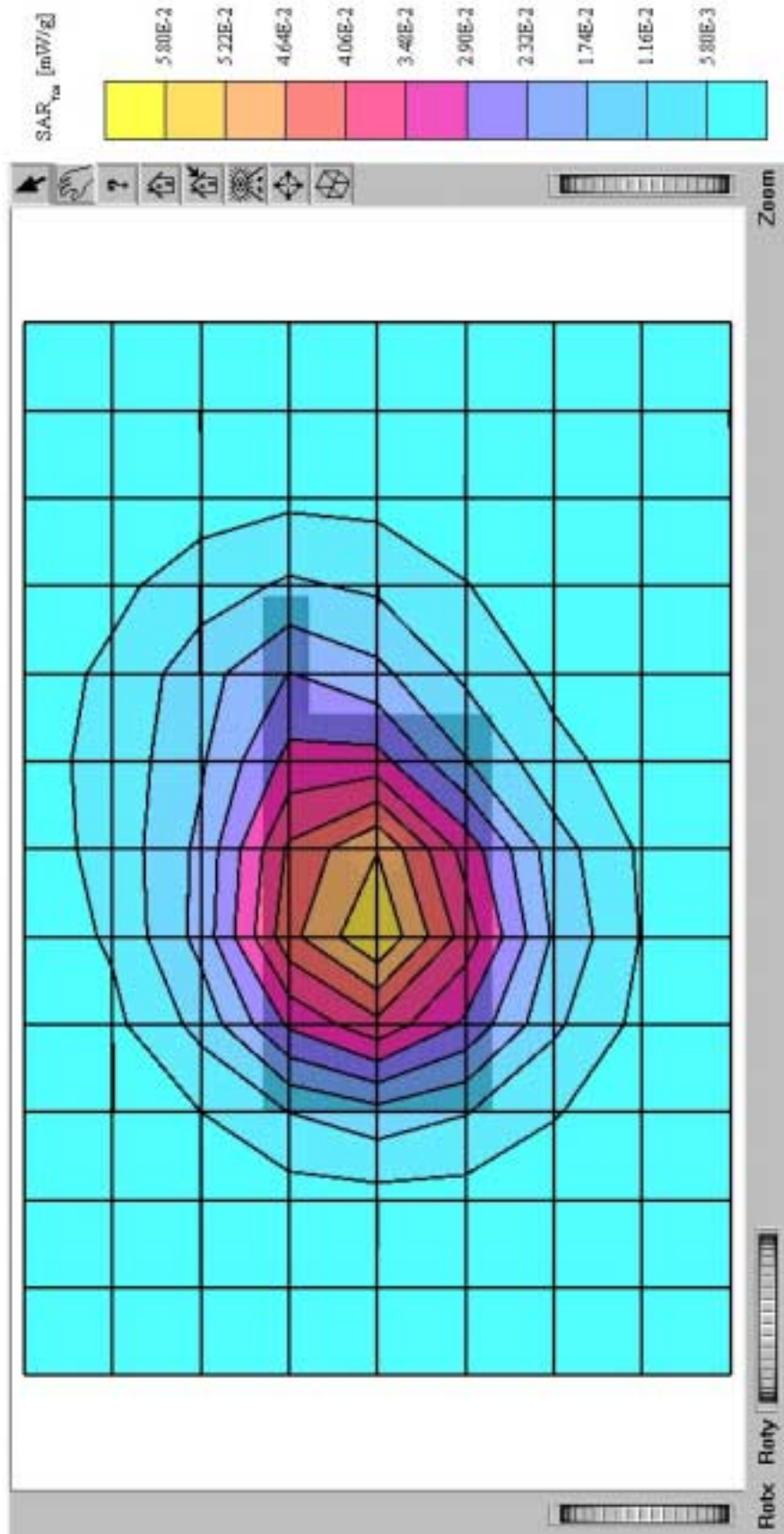


Fig. 12: Worst case SAR distribution, channel 512, body worn configuration: belt clip, headset and extended battery.

### 3 SAR z-axis scan

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

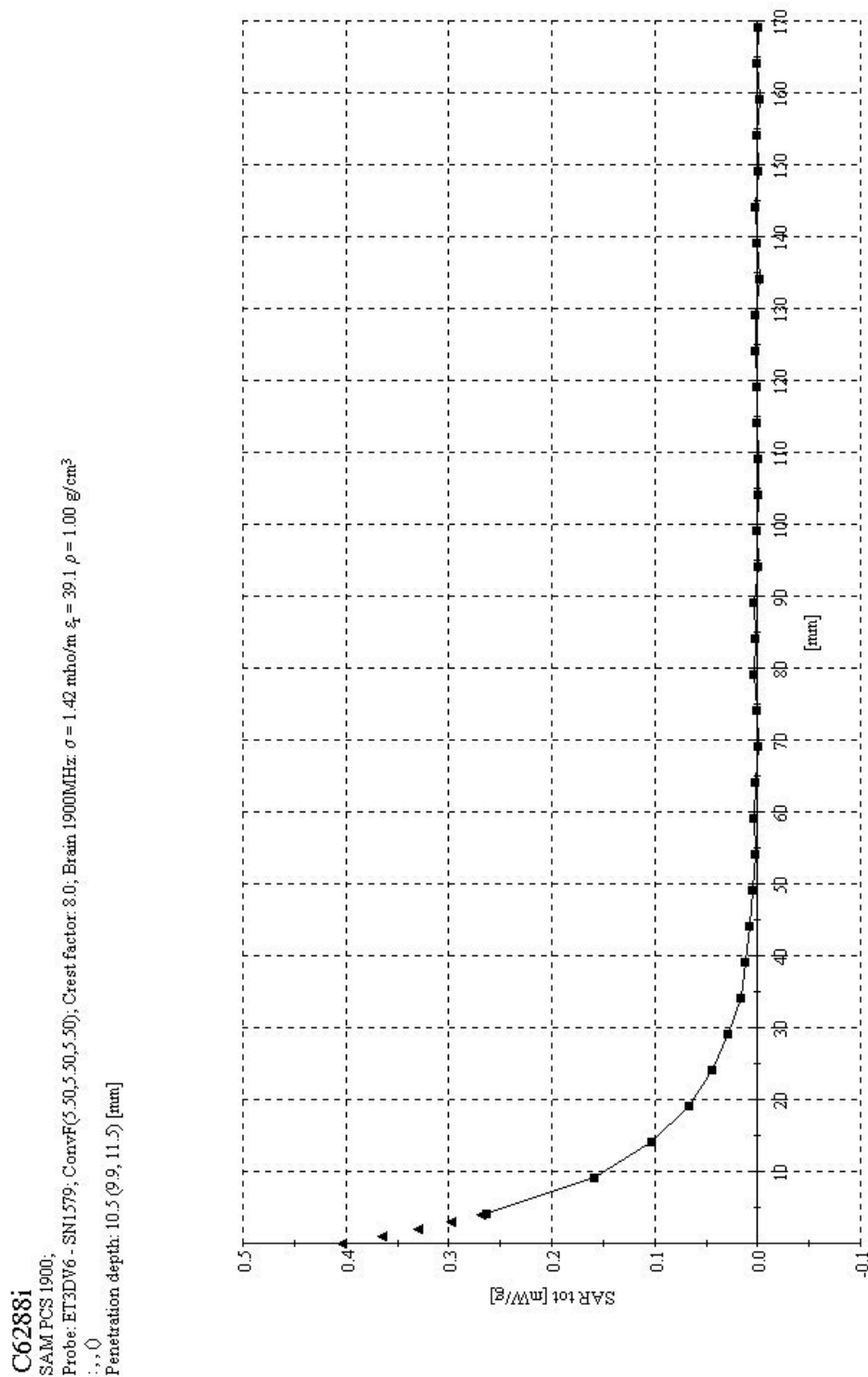


Fig. 13: SAR versus liquid depth with the highest value: PCS 1900, chanr  
cheek position, right side of head, extended battery.

# C6288i Body Worn

SAM PCS 1900

Probe: ET3DV6 - SN1579; ConvF(5.00,5.00,5.00); Crest factor: 8.0; body 1900 MHz;  $\sigma = 1.54 \text{ mho/m}$   $\epsilon_r = 51.6$   $\rho = 1.00 \text{ g/cm}^3$

Penetration depth: 10.5 (9.0, 12.5) [mm]

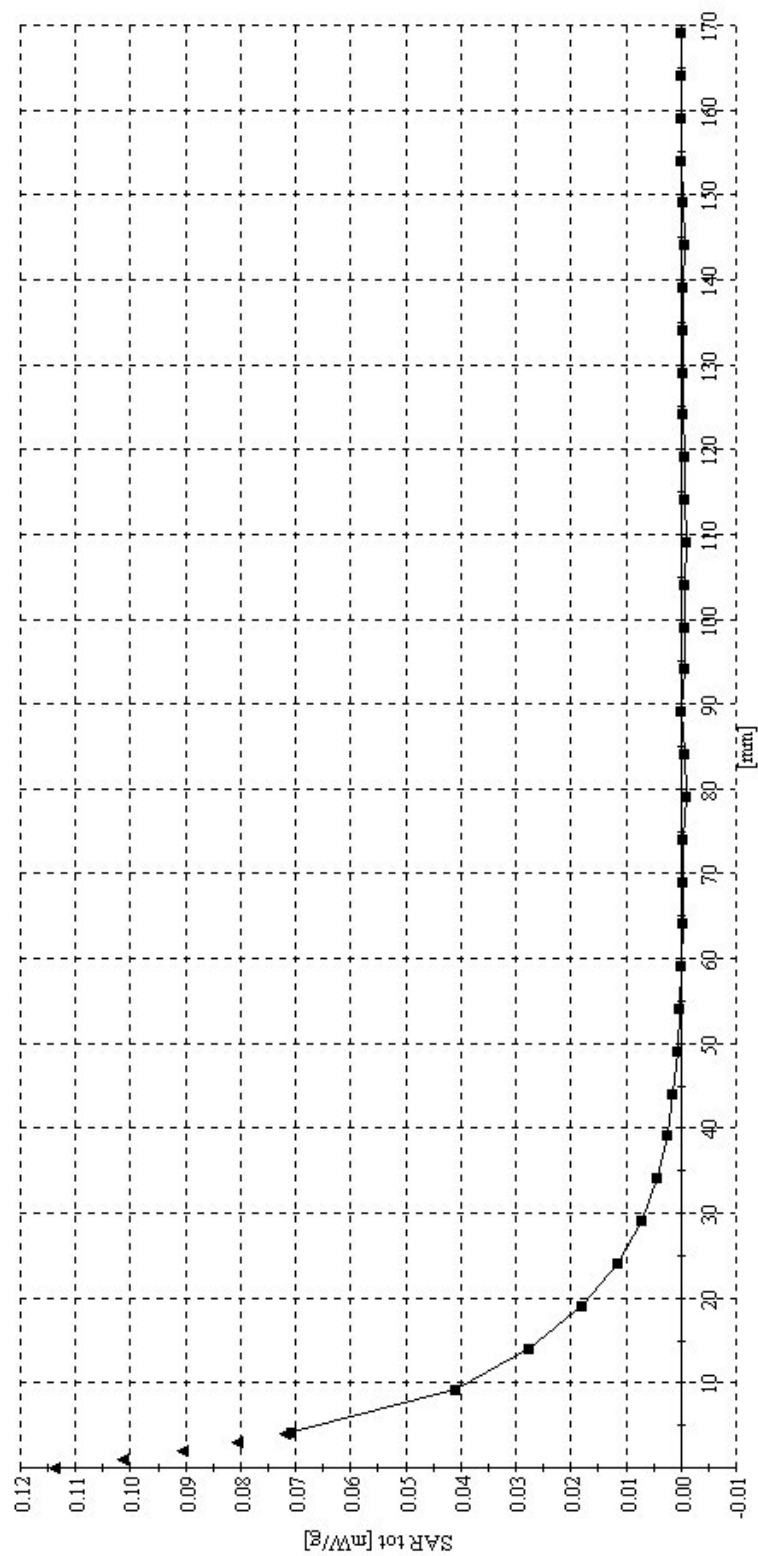


Fig. 14: SAR versus liquid depth with the body worn configuration with headset and 2lim battery.