
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.
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1 SAR Distribution Plots, Test side ambient conditions.

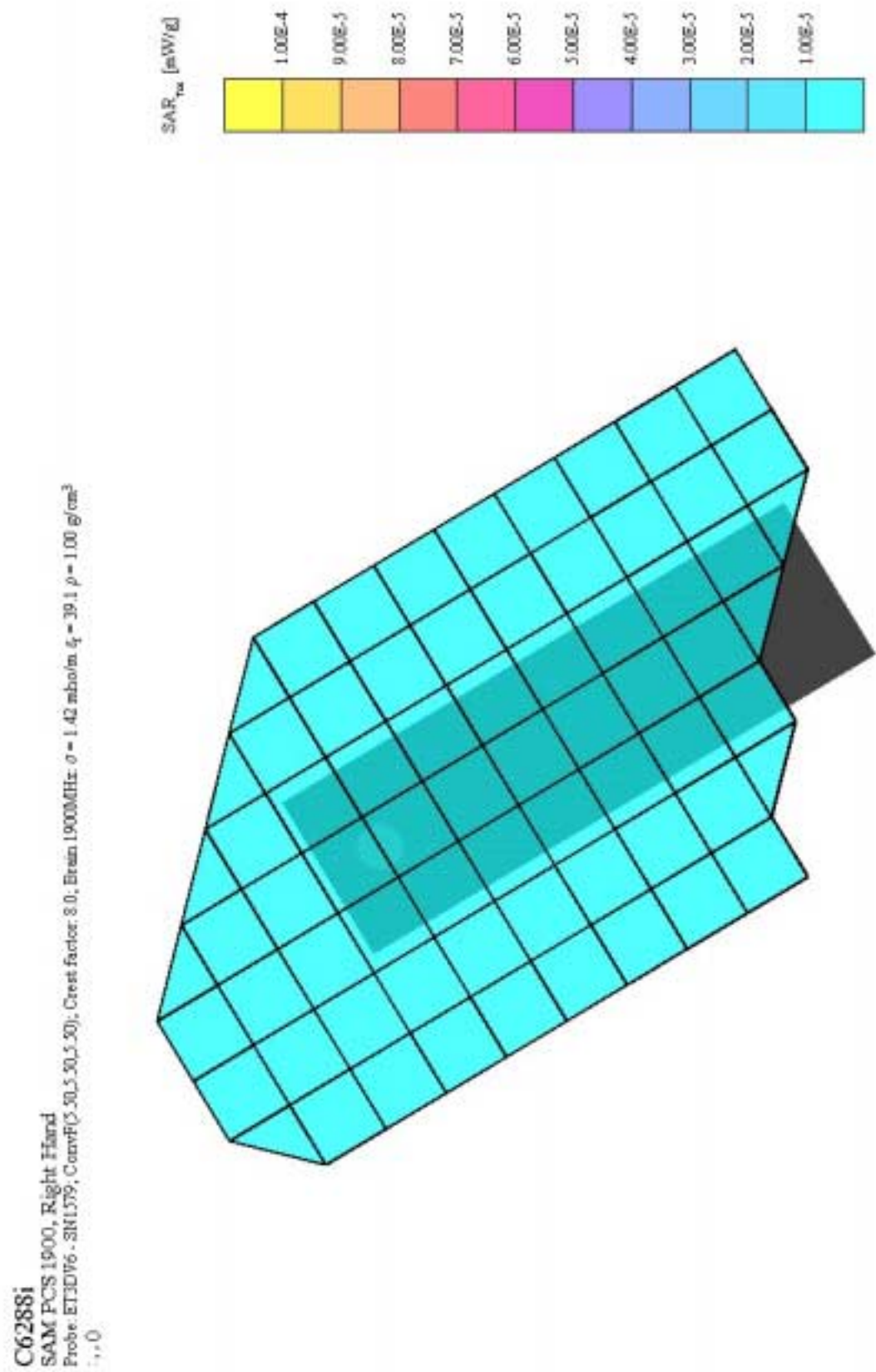


Fig. 1: Test side measurements, 1900 MHz, head position.

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/cm³
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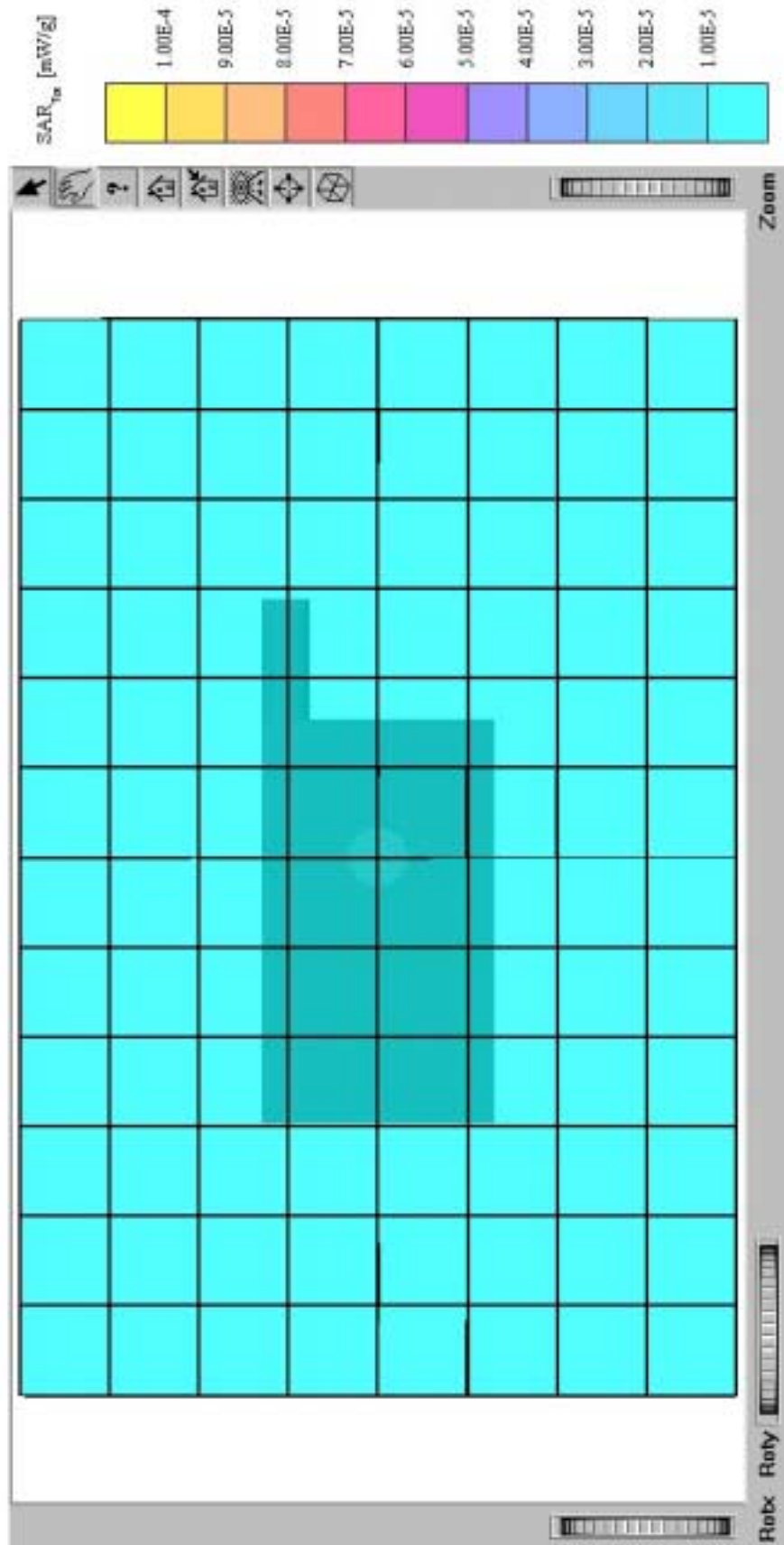


Fig. 2: Test side ambient measurements, 1900 MHz, body worn position.

2 SAR Distribution Plots, PCS 1900

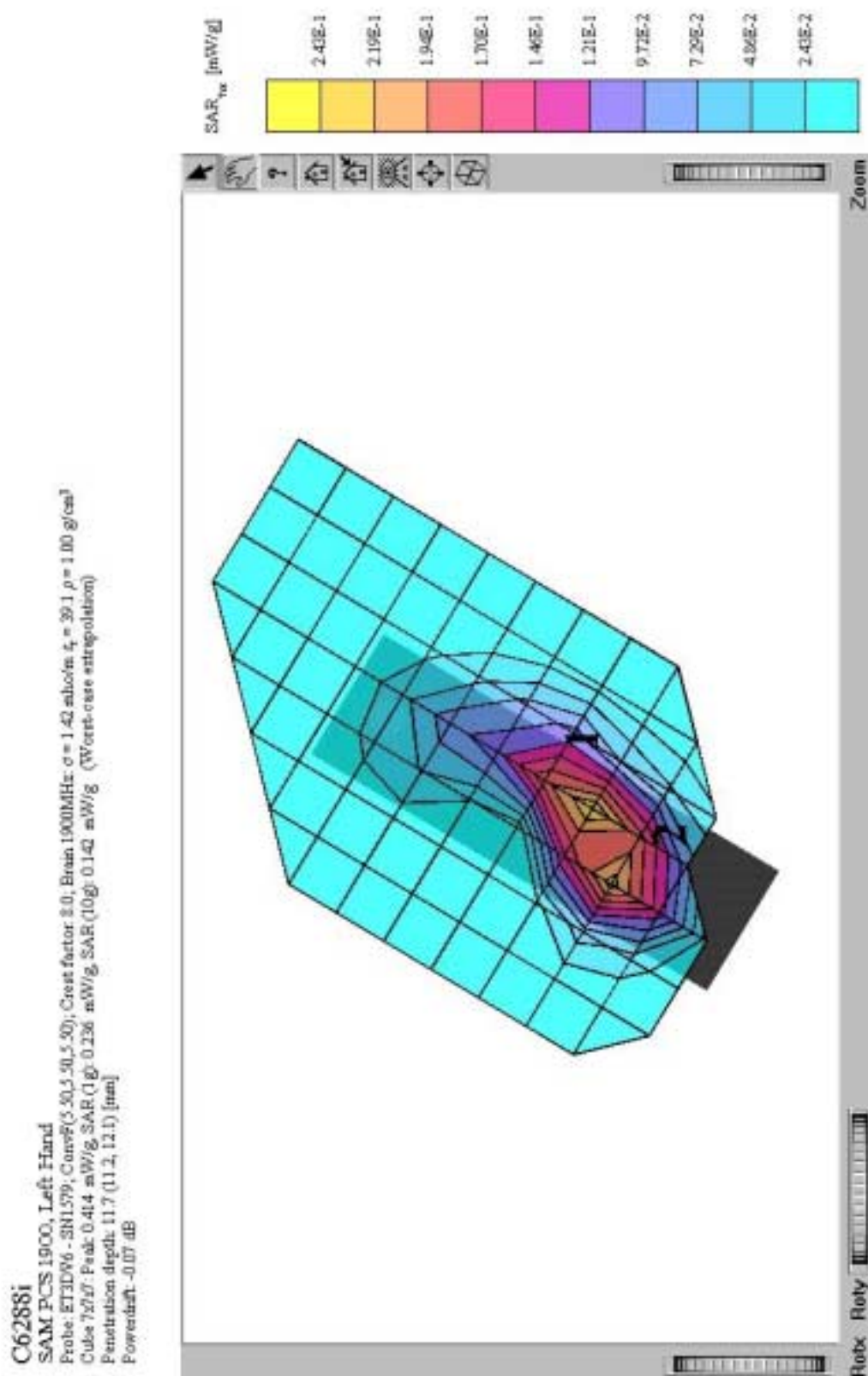


Fig. 3: SAR distribution, PCS 1900, eekapoint1001, left side of head, slin
 Cube 2: 0.221 W/kg

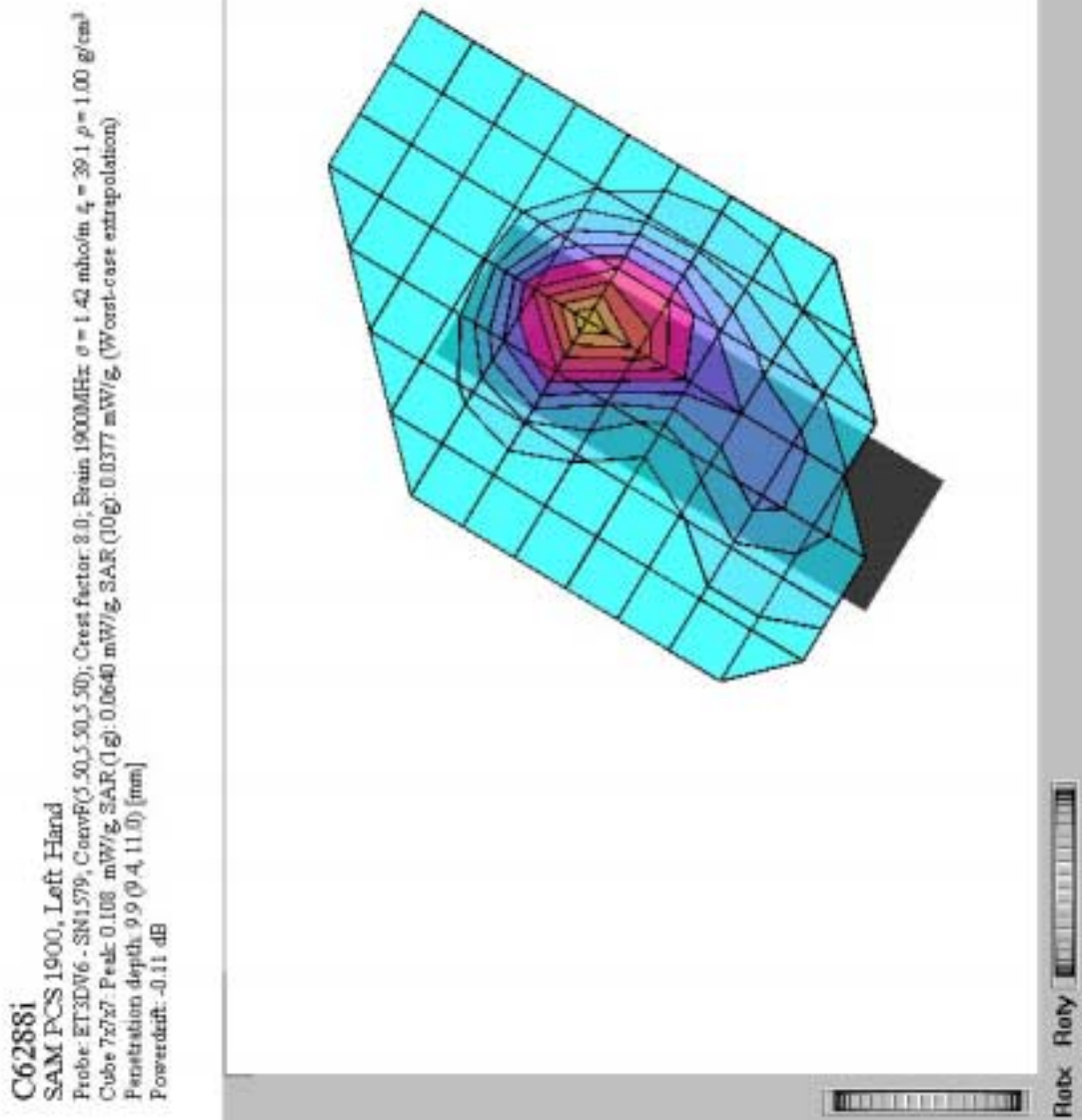


Fig. 4: SAR distribution, PCS 1900, dposition 1661, left hand, slim battery.

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/cm³
 Cube 7x7x7; Peak: 0.425 mW/g; SAR(1g): 0.246 mW/g; SAR(10g): 0.140 mW/g; (Worst-case extrapolation)
 Penetration depth: 10.4 (9.9, 11.2) [mm]
 Powerdistr: -0.09 dB

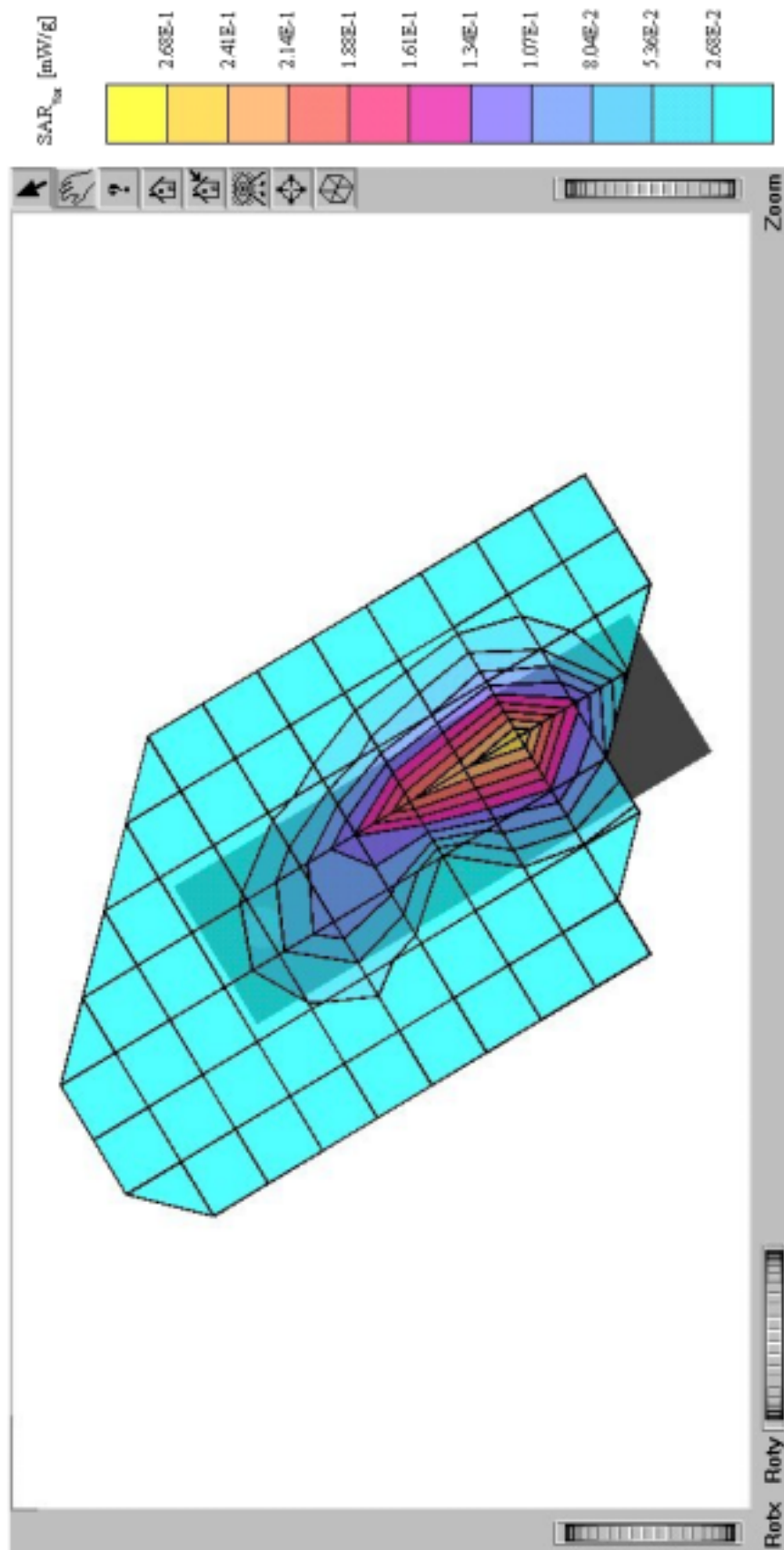


Fig. 5: SAR distribution, PCS 1900, **check** position, right side of head battery.

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/cm³
 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

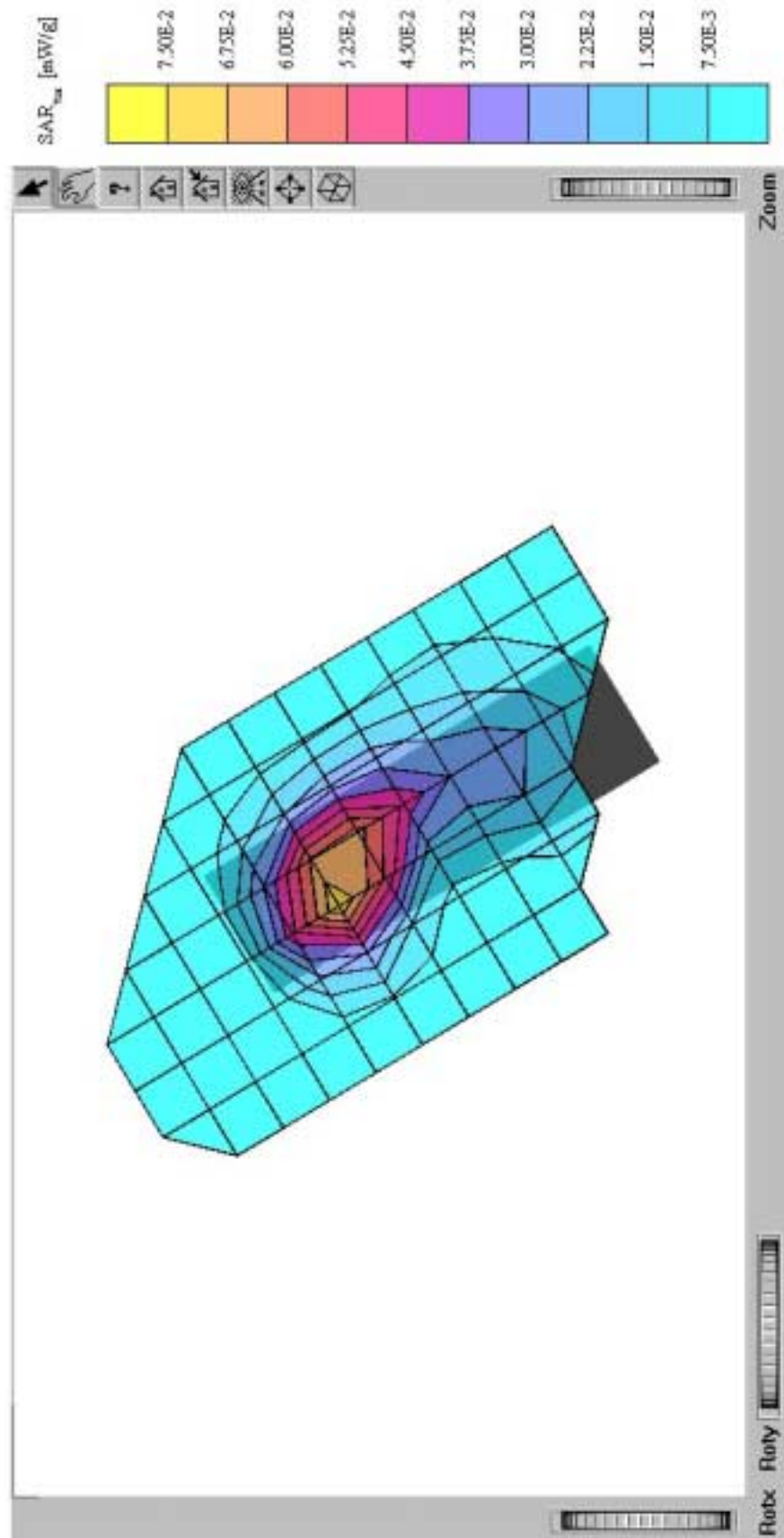


Fig. 6: SAR distribution, PCS 1900, tilted position, T of the slide battery.

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/cm³
 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: 14.0 (13.3, 14.1) [mm]
 Powerdraft: -0.14dB

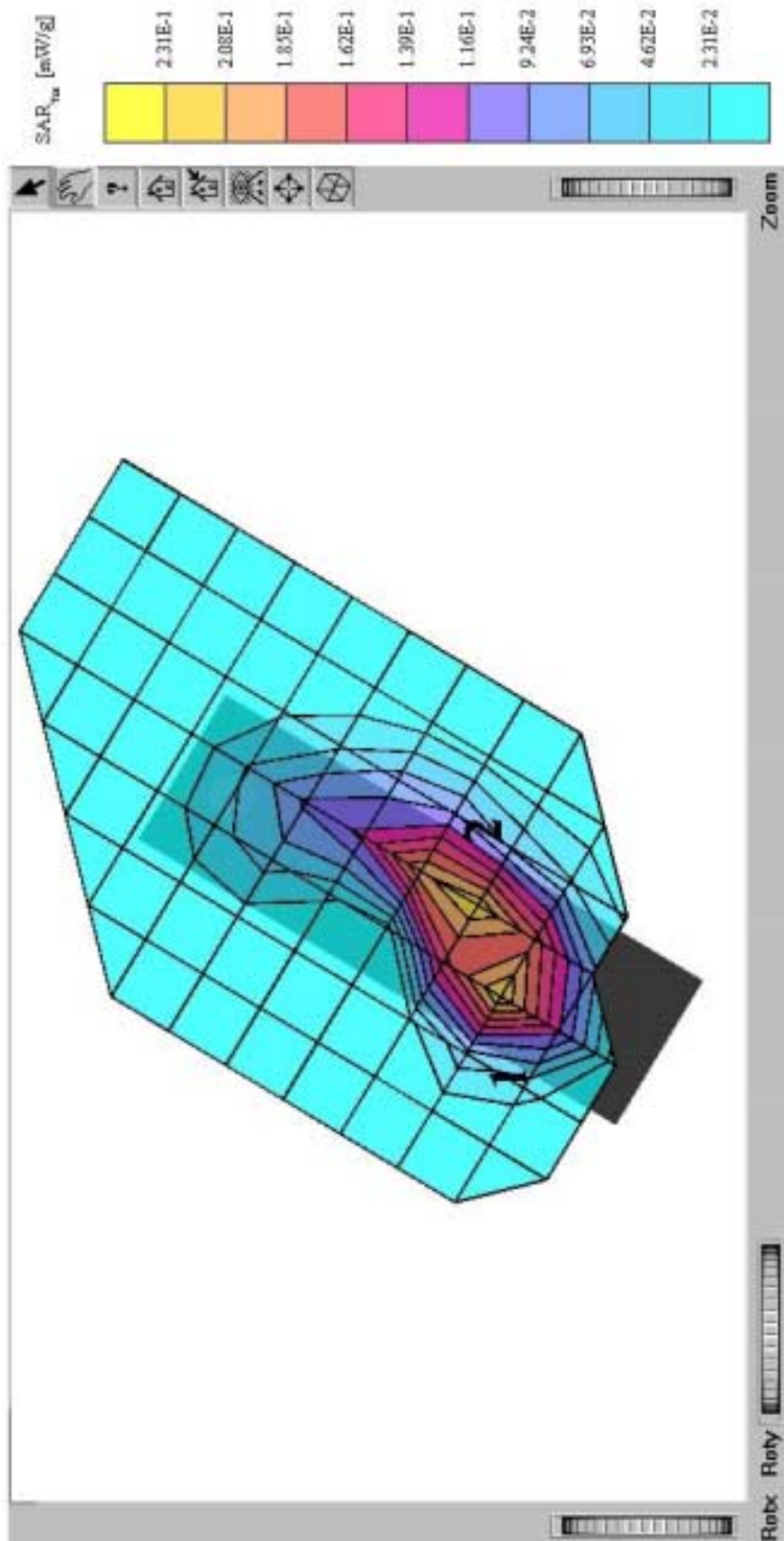


Fig. 7: SAR distribution, PCS 1900, head position 150°, left side of head, e battery. Cube 2: 0.222 W/kg.

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/cm³
 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]
 Powerlevel: -0.05 dB

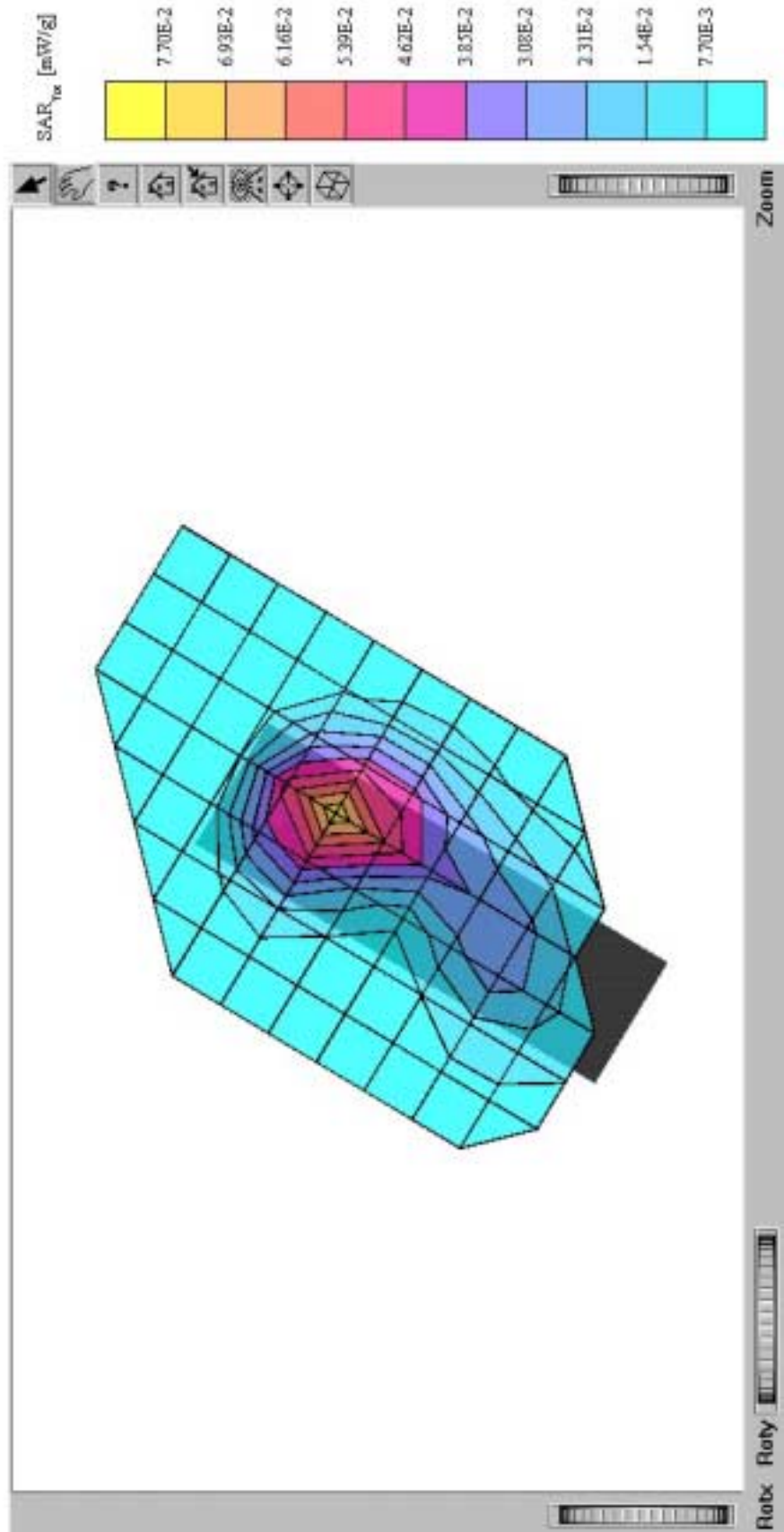


Fig. 8: SAR distribution, PCS 1900, left hand position, deflated extended battery.

C6288i
 SAM PCS 1900, Right Hand
 Probe: ETJDV6 - SNI579; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Emax 1900MHz: $\sigma = 1.42$ mho/m $\epsilon_s = 39.1$ $\rho = 1.00$ g/cm³
 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

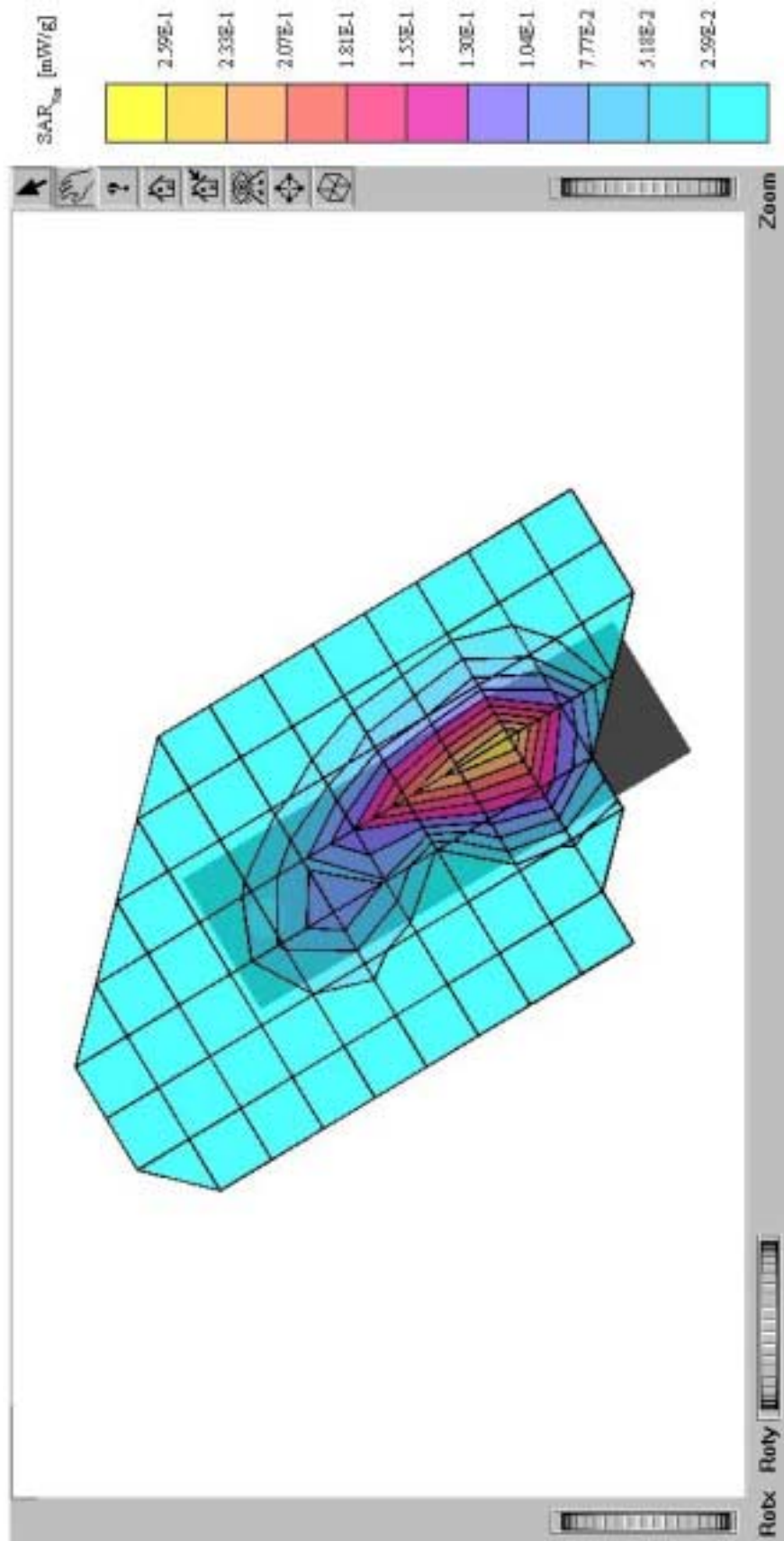


Fig. 9: SAR distribution, PCS 1900, channel 66, right side of head, e battery.

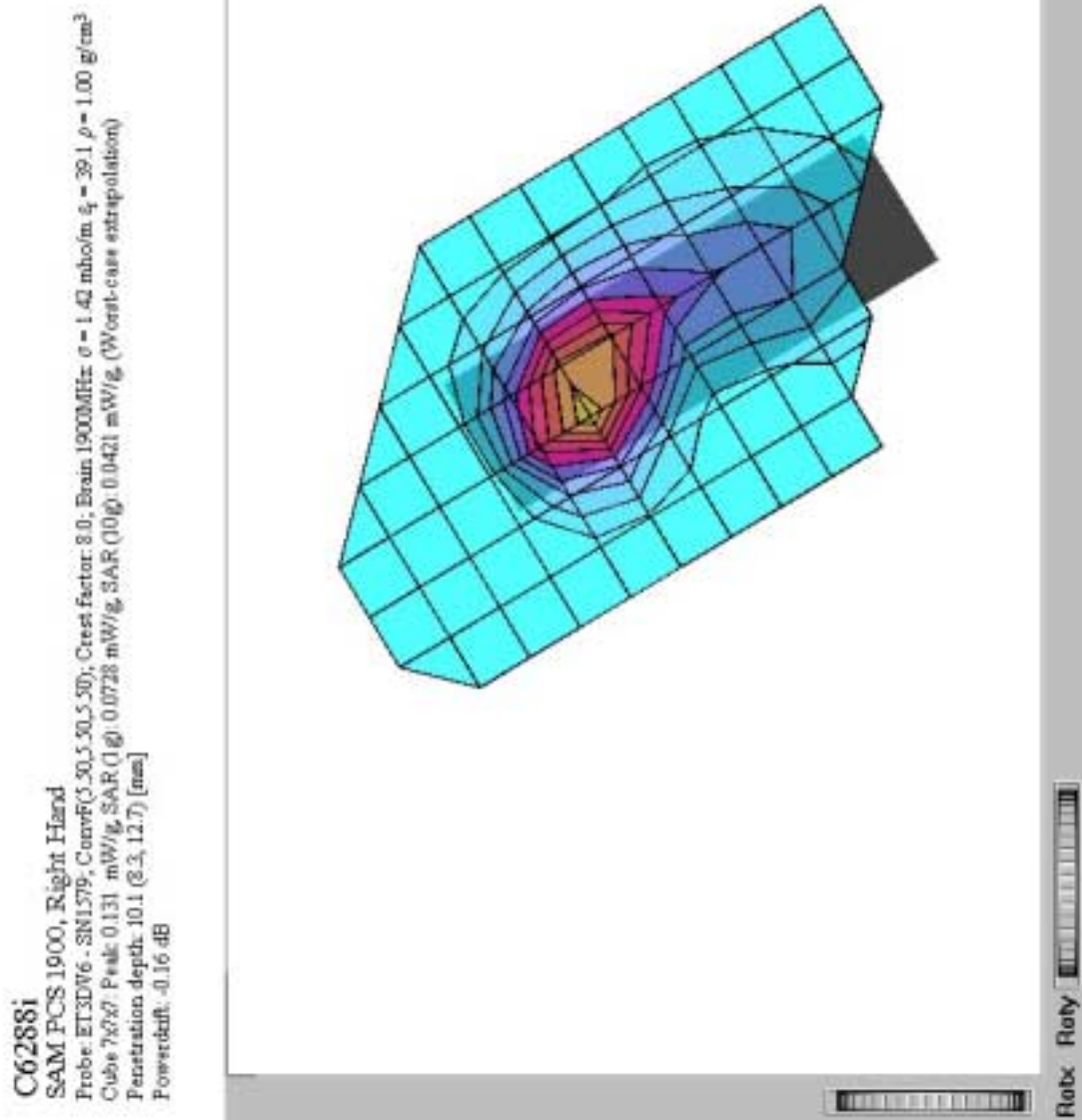


Fig. 10: SAR distribution, PCS 1900, tilted and held in right hand, extended battery.

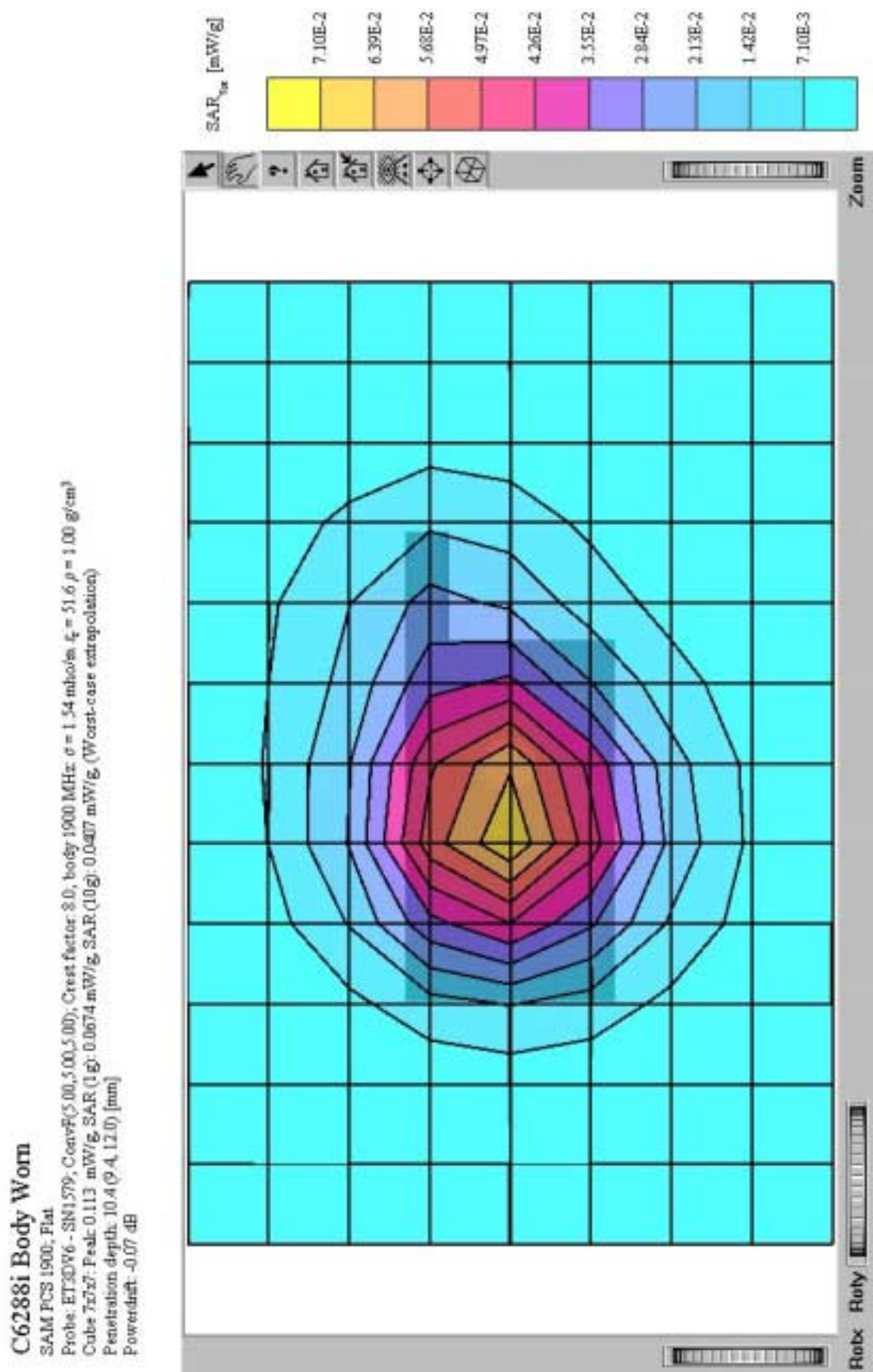


Fig. 11: Worst case SAR distribution, channel 512, body worn configuration: belt clip, head attached slim battery.

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/cm³
 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

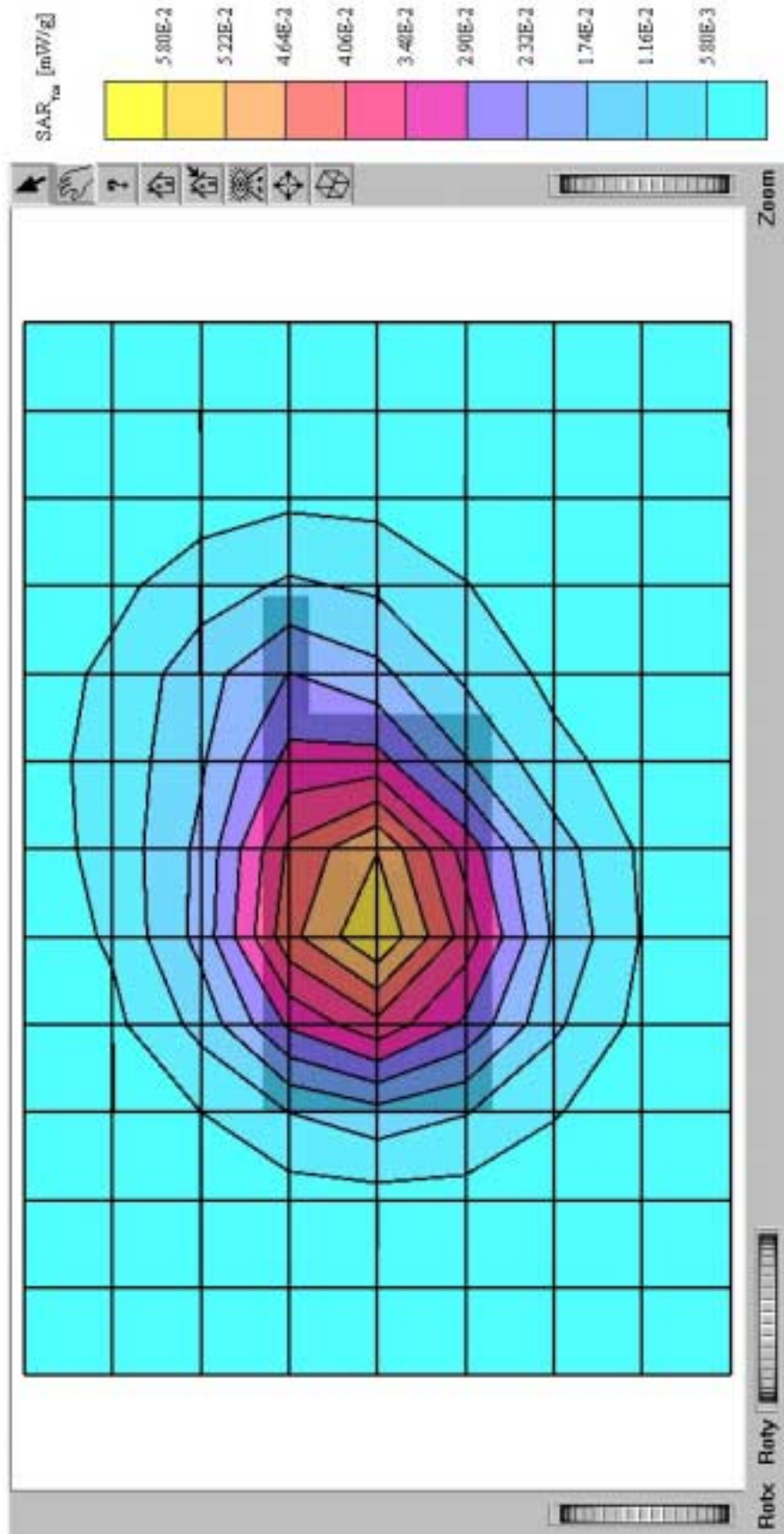


Fig. 12: Worst case SAR distribution, channel 512, body worn configuration; belt clip, headset and extended battery.

3 SAR z-axis scan

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

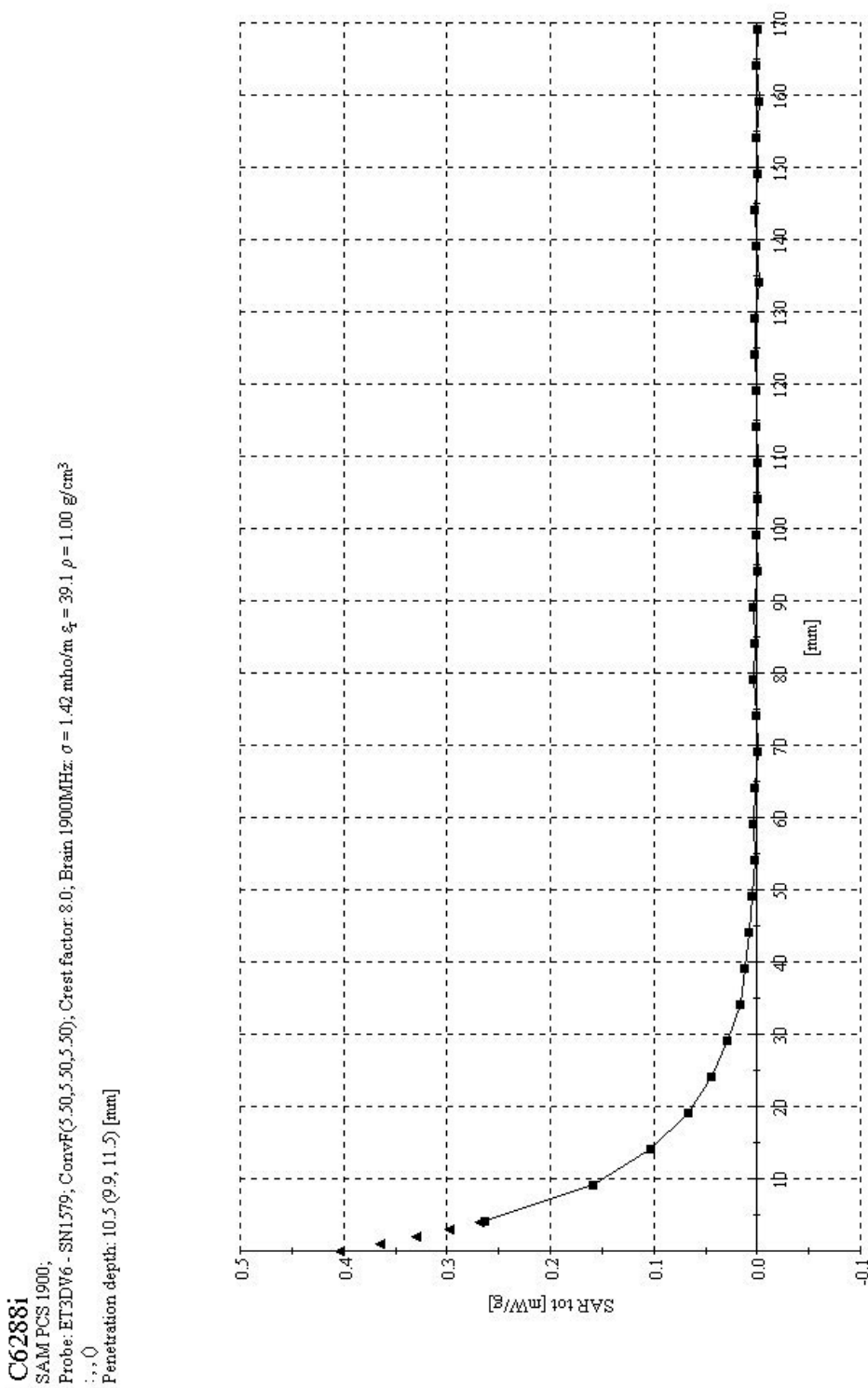


Fig. 13: SAR versus liquid depth with the highest value: PCS 1900, chanr
cheek position, right side of head, extended battery.

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]

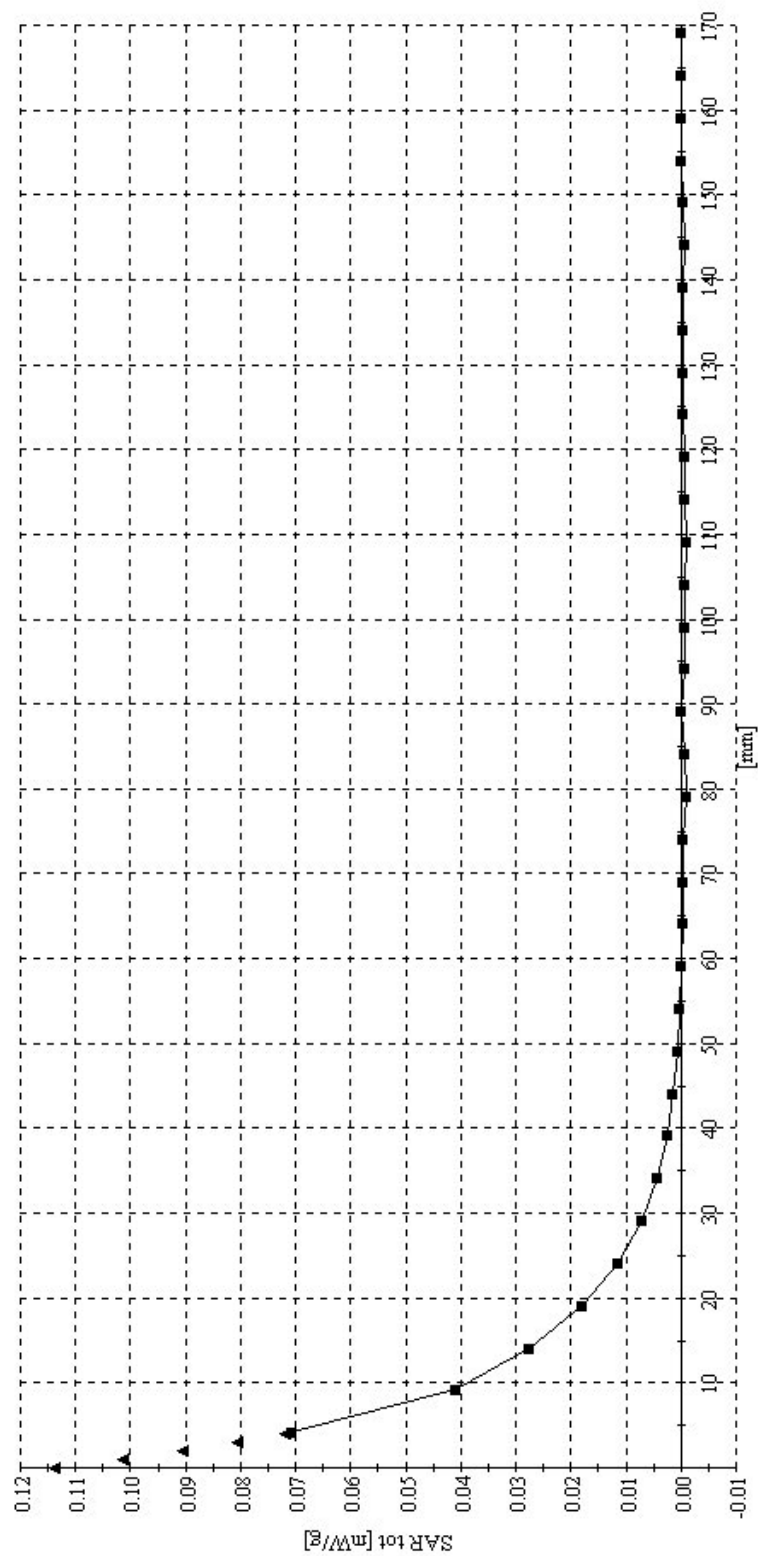


Fig. 14: SAR versus liquid depth with the highest value: PCS 1900, chanr body worn configuration with headset AH002lim battery.