
Appendix for the Report

Dosimetric Assessment of the Siemens C71 (FCC ID: PWX-C66) According to the FCC Requirements

SAR Distribution Plots

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The test results only relate to the items tested.
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1 SAR Distribution Plots, GSM 850 PoC (PTT) configuration

Test Laboratory: IMST GmbH; File Name: [870yghm_2.da4](#)

DUT: Siemens; Type: C66; Serial: 004400005236870; Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used: $\sigma = 1$; mho/m, $\epsilon_r = 54.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Body Worn/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.414 mW/g

Body Worn/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 21.1 V/m; Power Drift = 0.045 dB

Peak SAR (extrapolated) = 0.513 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.415 mW/g

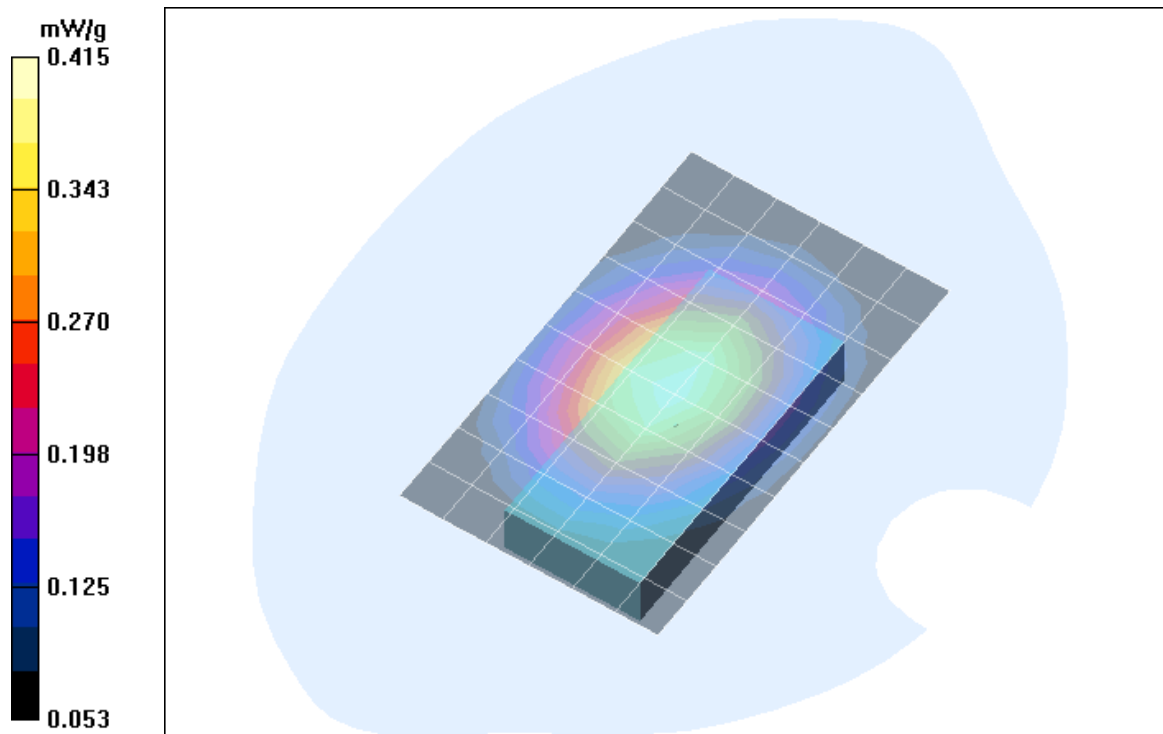


Fig. 1: SAR distribution for GSM 850, channel 190, PoC (PTT) configuration, display towards the phantom, ARC cover, GPRS class 10 (15.10.2004; Ambient Temperature: 22.2° C; Liquid Temperature : 21.1° C).

2 SAR Distribution Plots, PCS 1900 PoC (PTT) configuration

Test Laboratory: IMST GmbH; File Name: [870vphm_1.da4](#)

DUT: Siemens; Type: C66; Serial: 004400005236870; Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium parameters used: $\sigma = 1.54$; mho/m, $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(4.57, 4.57, 4.57); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Body Worn/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.152 mW/g

Body Worn/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.94 V/m; Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.160 mW/g

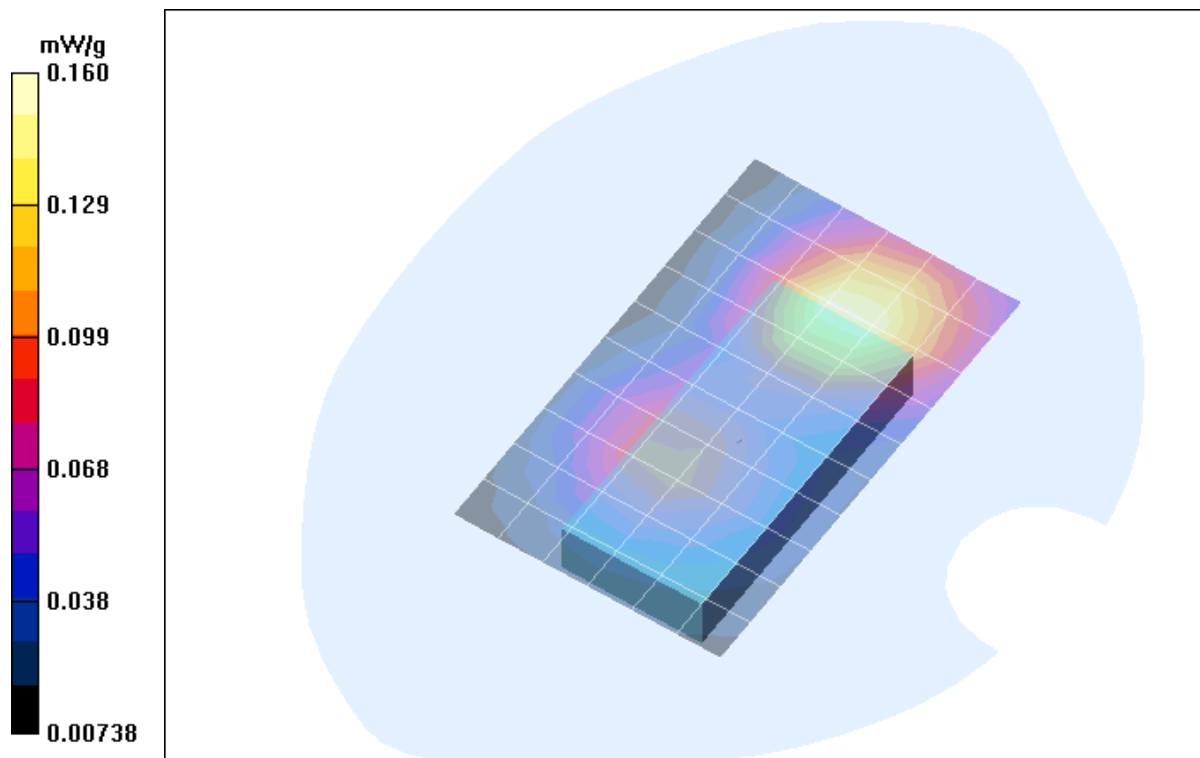


Fig. 2: SAR distribution for PCS 1900, channel 661, PoC (PTT) configuration, display towards the phantom, Standard cover, GPRS class 10 (18.10.2004; Ambient Temperature: 22.0° C; Liquid Temperature : 21.2° C).

3 SAR z-axis scans (Validation)

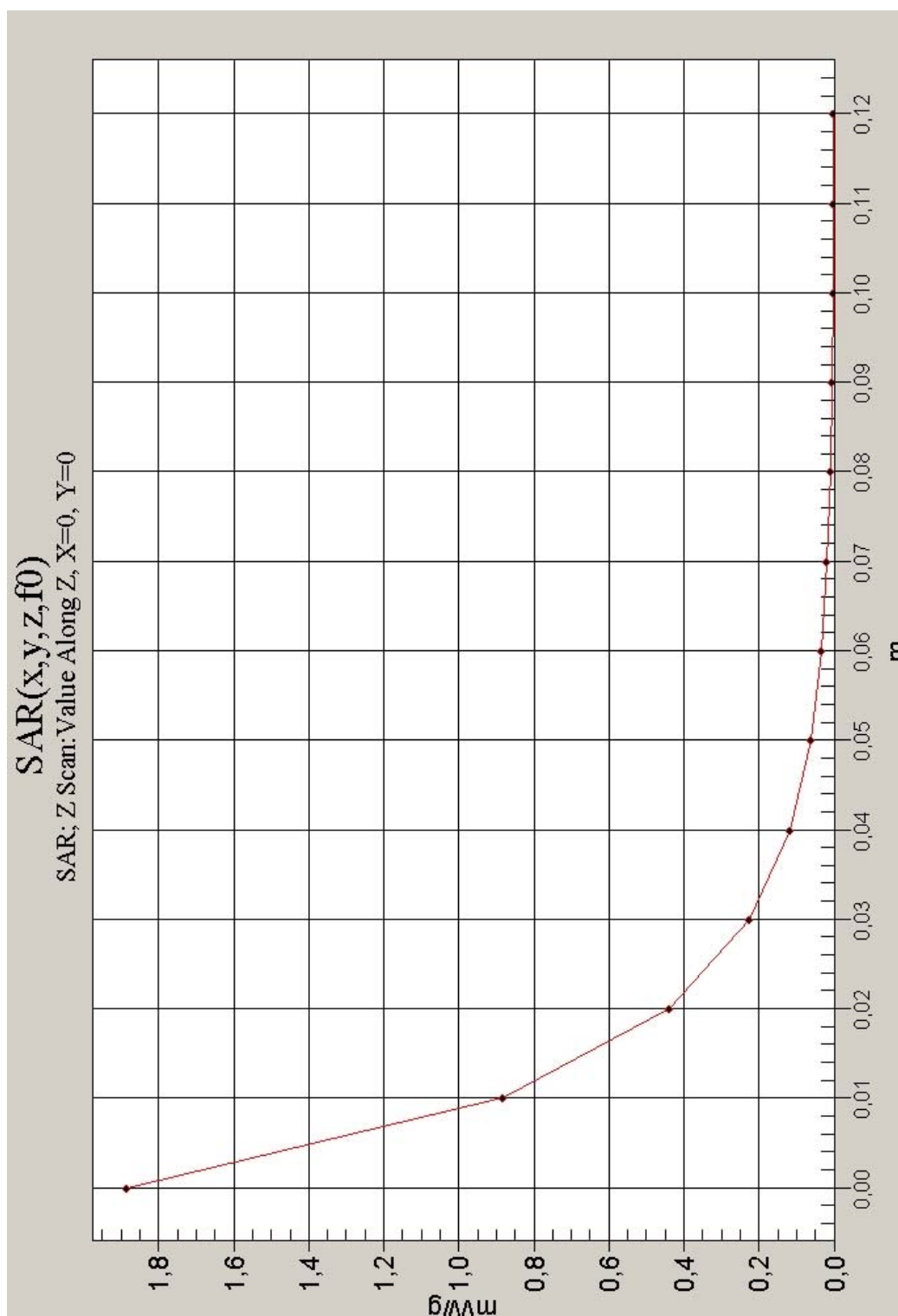


Fig. 3: SAR versus liquid depth, 835 MHz, body (15.10.2004; Ambient Temperature: 20.1° C; Liquid Temperature : 19.1° C).

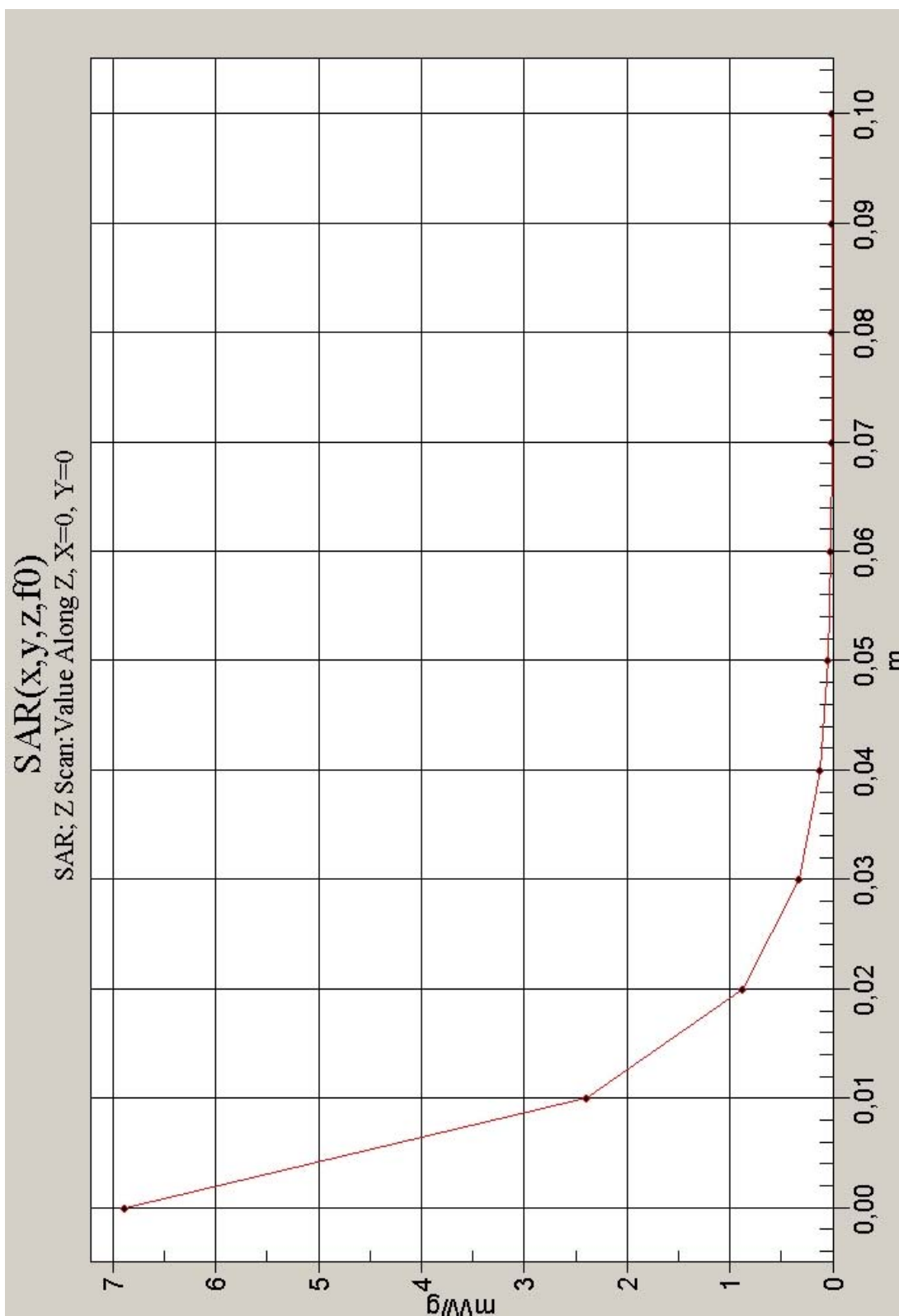


Fig. 4: SAR versus liquid depth, 1900 MHz, body (18.10.2004; Ambient Temperature: 22.2° C; Liquid Temperature : 21.3° C).

4 SAR z-axis scans (Measurements)

The following pictures show the plots of SAR versus liquid depth for the worst case values.

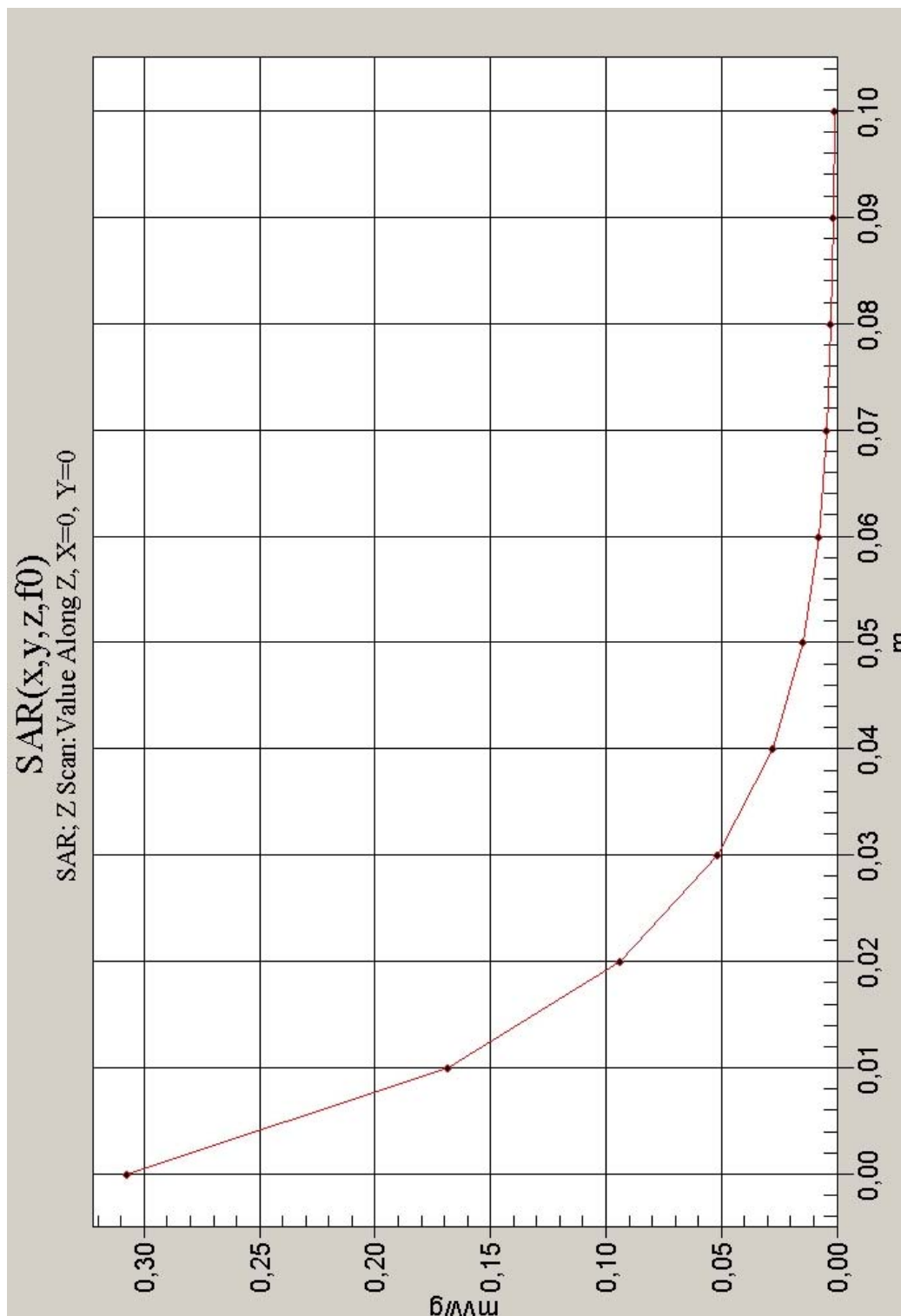


Fig. 5: SAR versus liquid depth, GSM 850, channel 661, PoC (PTT) configuration, display towards the phantom, ARC cover, GPRS class 10 (18.10.2004; Ambient Temperature: 22.2° C; Liquid Temperature : 21.1° C).

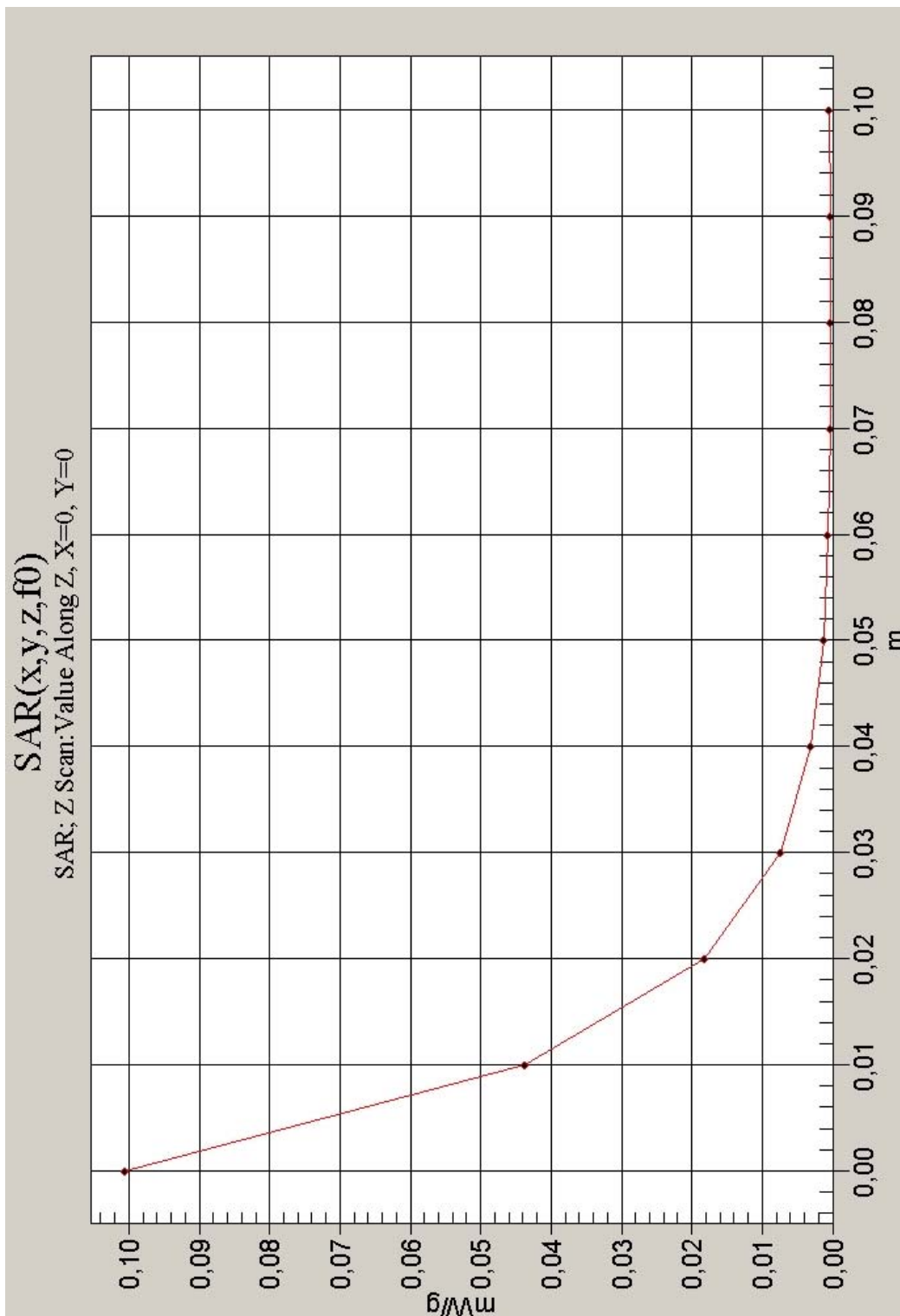


Fig. 6: SAR versus liquid depth, PCS 1900, channel 661, PoC (PTT) configuration, display towards the phantom, Standard cover, GPRS class 10 (18.10.2004; Ambient Temperature: 22.0° C; Liquid Temperature : 21.2° C).