
Appendix for the Report

Dosimetric Assessment of the Portable Device

Option Globetrotter Combo EDGE

(FCC ID: NCMGLEW) tested in three host products

According to the FCC Requirements

SAR Distribution Plots

October 05, 2004
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Customer
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The test results only relate to the items tested.
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1 SAR Distribution Plots, GSM 850 Body

Test Laboratory: IMST; File Name: [optghm_2_M700.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.295 mW/g

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

Reference Value = 15.6 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.343 mW/g

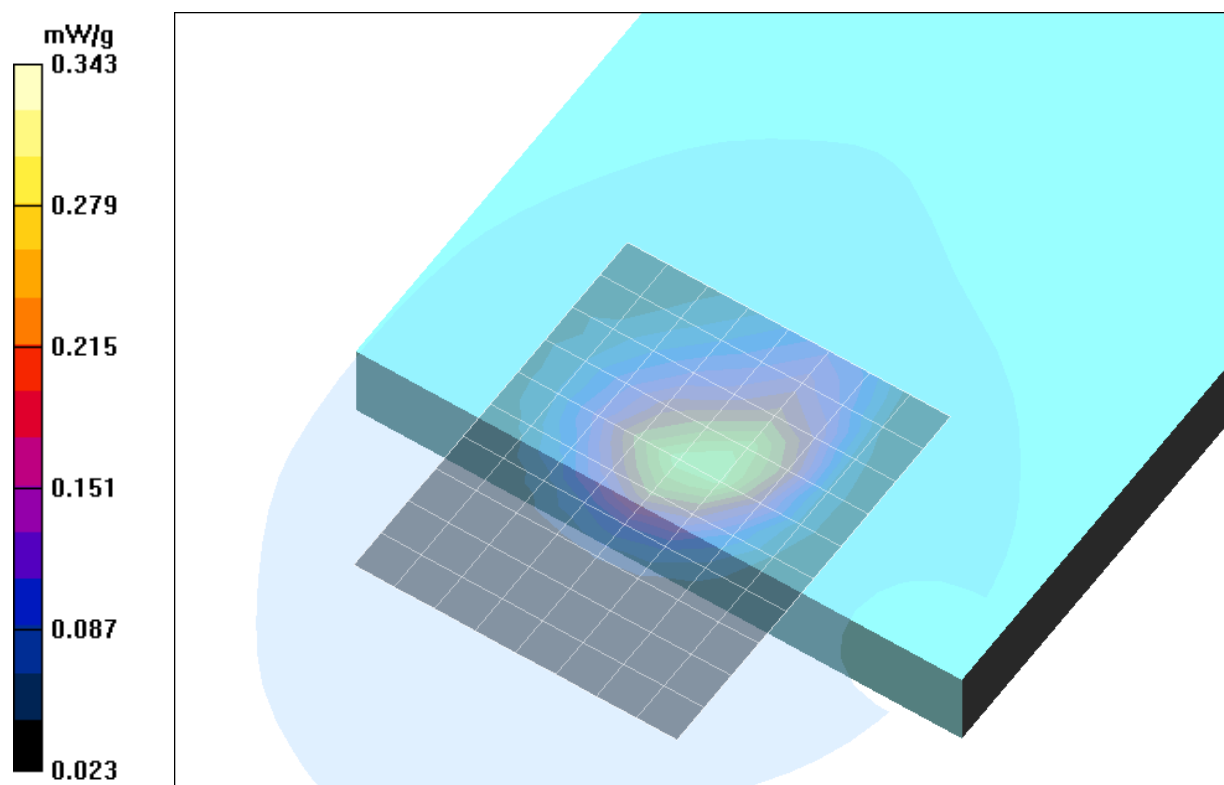


Fig. 1: SAR distribution for GSM 850, channel 190, Compaq M700 Notebook, position 1. (29.09.2004; Ambient Temperature: 22.0° C; Liquid Temperature: 21.1° C).

Test Laboratory: IMST; File Name: [optghm_3_M700.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.866 mW/g

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

Reference Value = 30.4 V/m; Power Drift = 0.156 dB

Peak SAR (extrapolated) = 4.18 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 1.06 mW/g

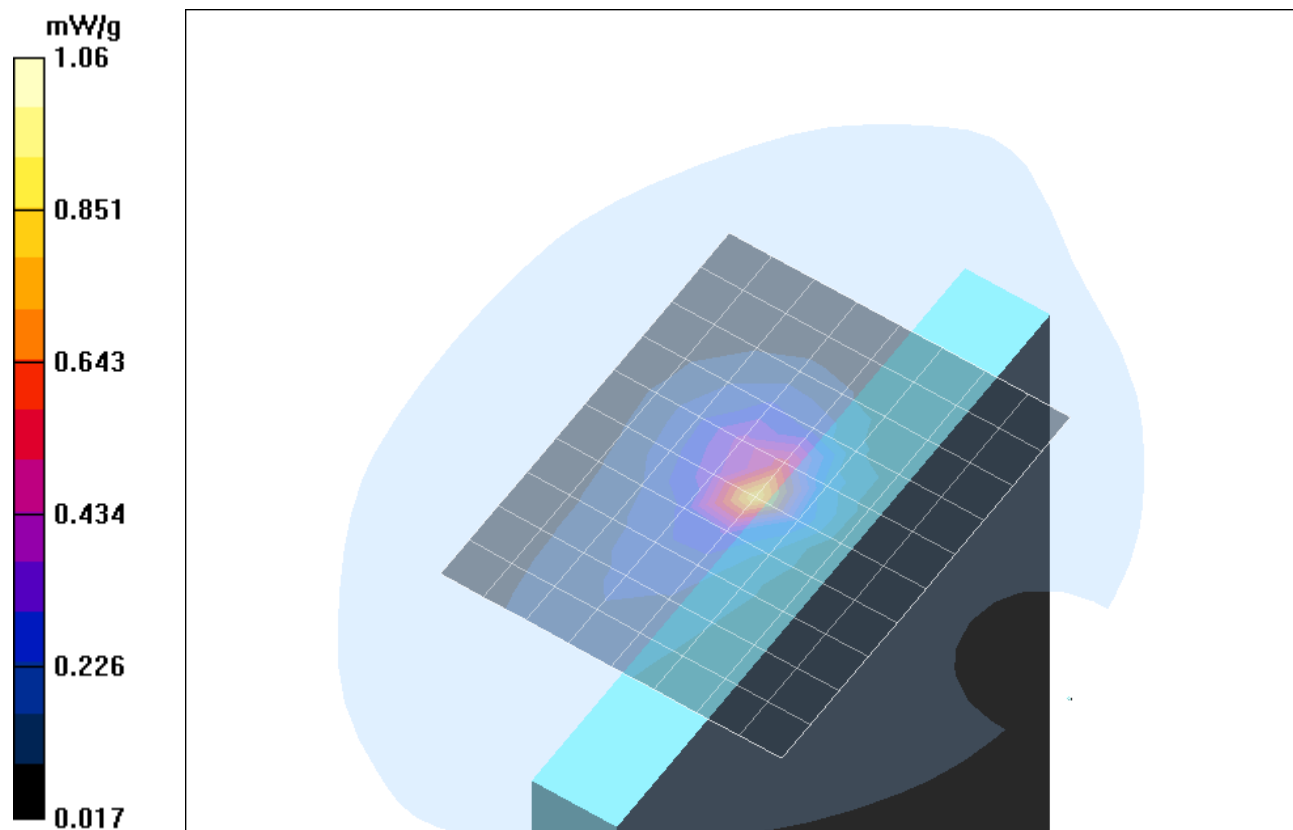


Fig. 2: SAR distribution for GSM 850, channel 190, Compaq M700 Notebook, position 2. (29.09.2004; Ambient Temperature: 22.1° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST; File Name: [optghl_3_m700.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.701 mW/g

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

Reference Value = 27.7 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 3.51 W/kg

SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.870 mW/g

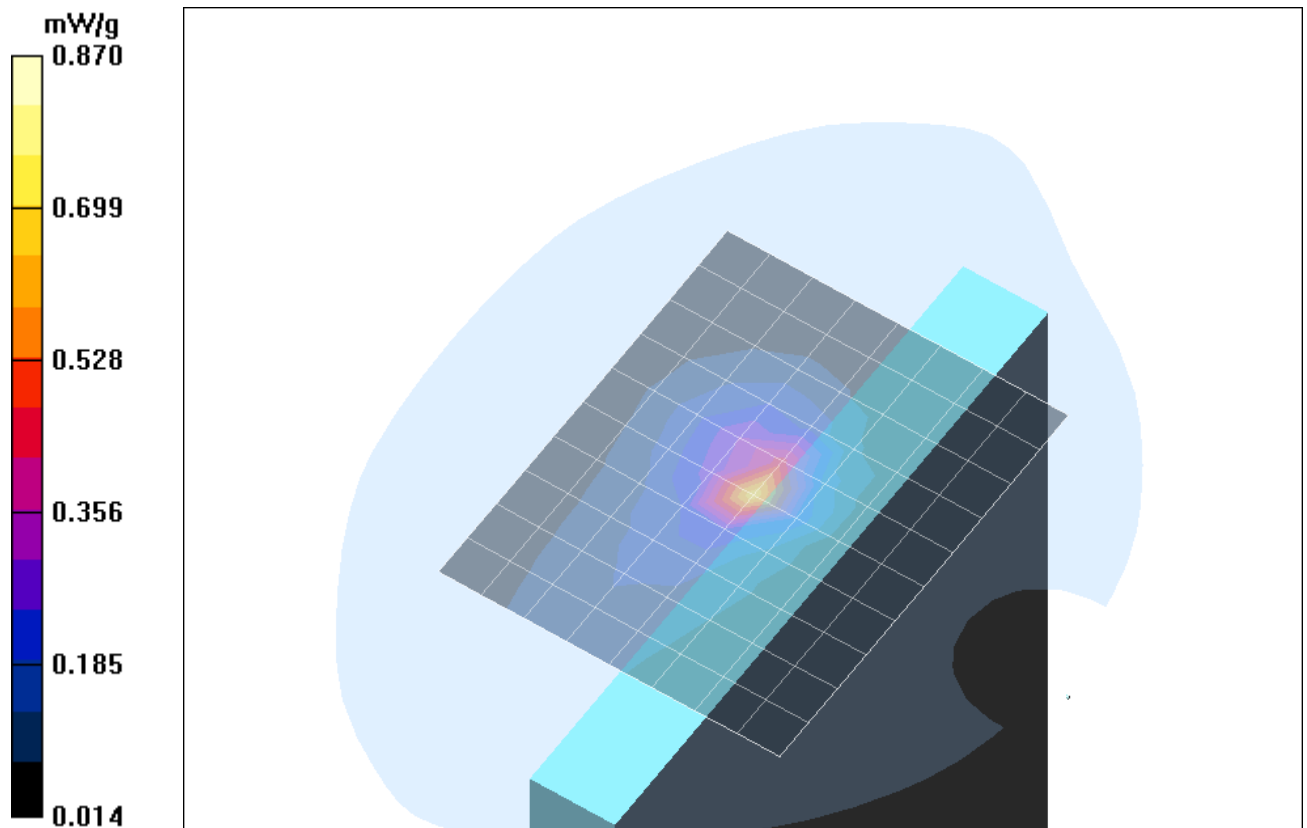


Fig. 3: SAR distribution for GSM 850, channel 128, Compaq M700 Notebook, position 2. (29.09.2004; Ambient Temperature: 22.1° C; Liquid Temperature: 21.1° C).

Test Laboratory: IMST; File Name: [optghh_3_M700.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

Communication System: GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.924 mW/g

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

Reference Value = 31.7 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 4.59 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.446 mW/g

Maximum value of SAR (measured) = 1.15 mW/g

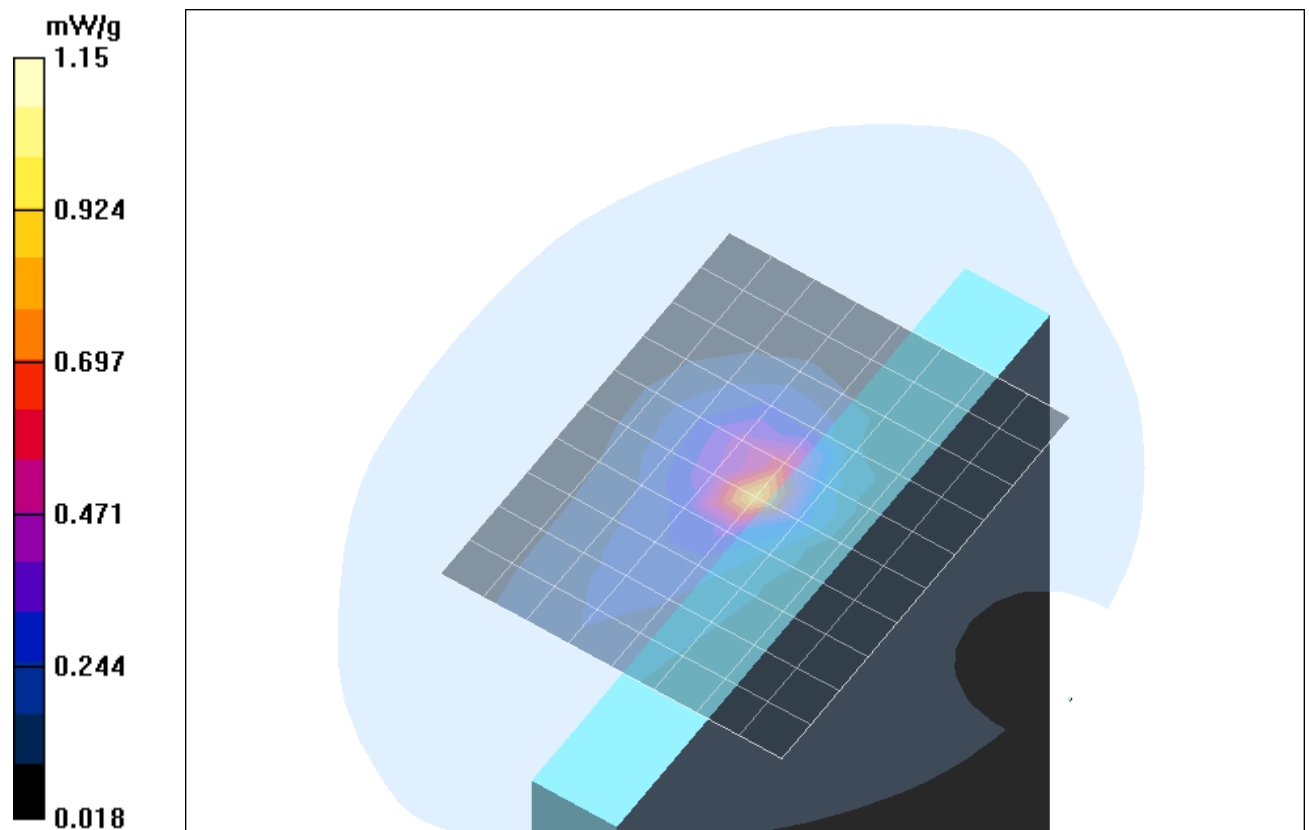


Fig. 4: SAR distribution for GSM 850, channel 251, Compaq M700 Notebook, position 2. (29.09.2004; Ambient Temperature: 22.1° C; Liquid Temperature: 21.1° C).

Test Laboratory: IMST; **File Name:** [optghm_2_nc6000.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.289 mW/g

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

Reference Value = 18 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 0.355 mW/g

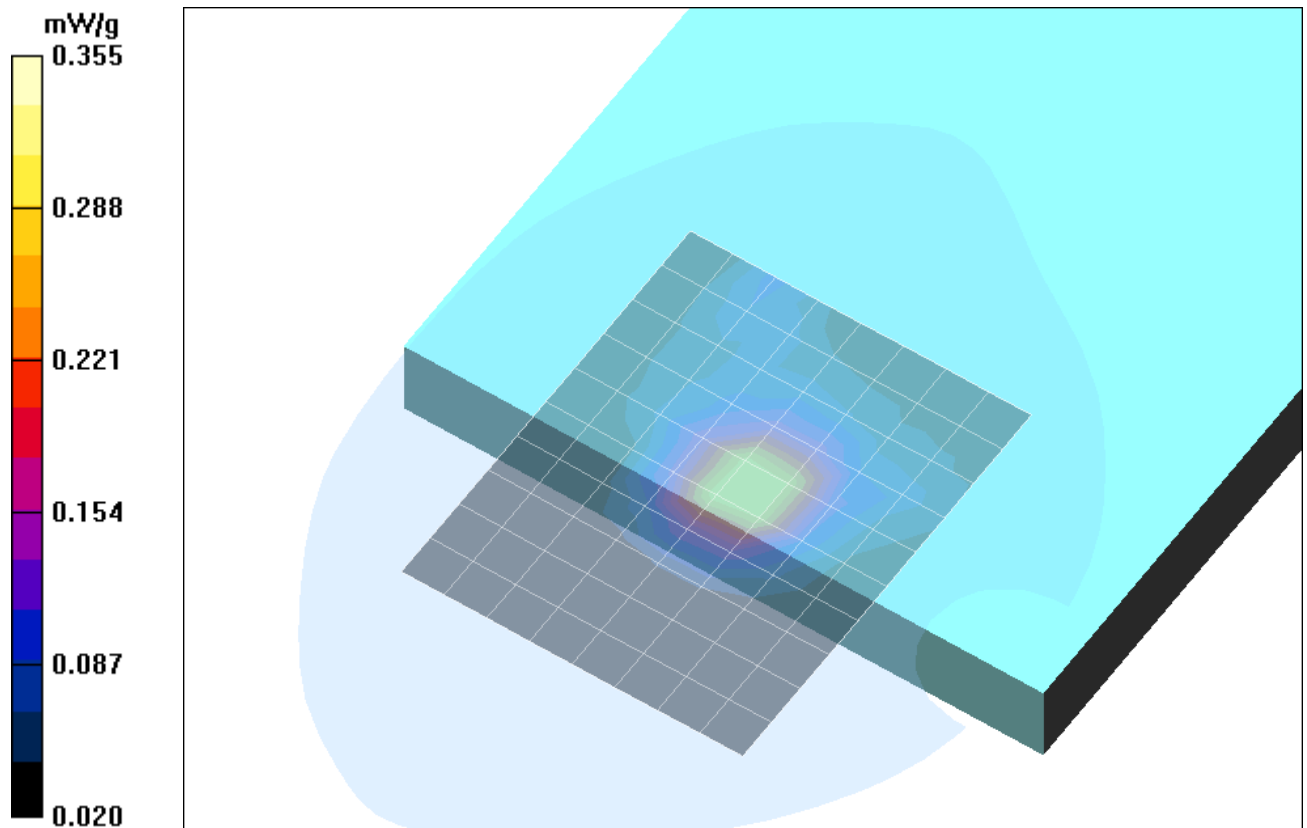


Fig. 5: SAR distribution for GSM 850, channel 190, Compaq M700 Notebook, position 1. (29.09.2004; Ambient Temperature: 22.0° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST; File Name: [optghm_3_nc6000.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.336 mW/g

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

Reference Value = 16.6 V/m; Power Drift = -0.042 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.430 mW/g

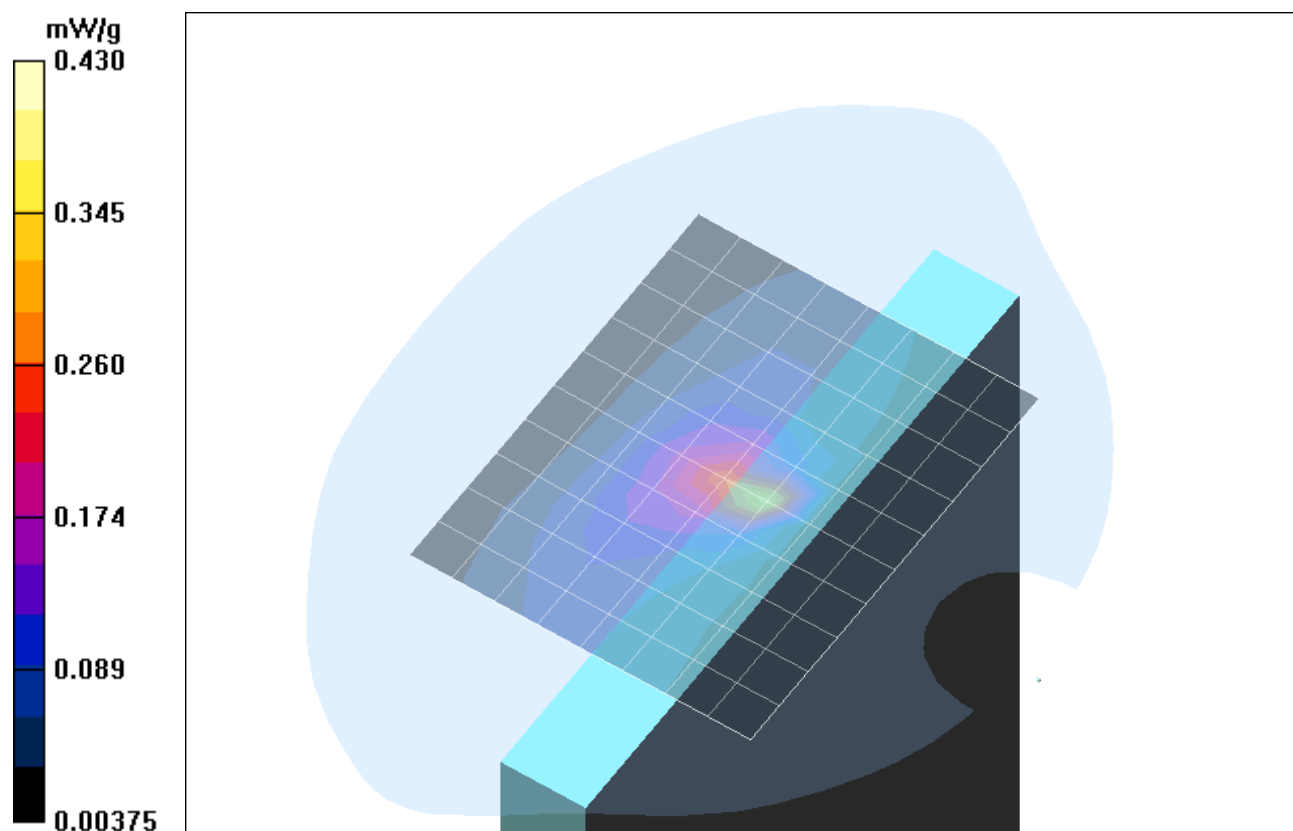


Fig. 6: SAR distribution for GSM 850, channel 190, Compaq M700 Notebook, position 2. (29.09.2004; Ambient Temperature: 22.1° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST; File Name: [optghm_2_easyn.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.255 mW/g

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

Reference Value = 16.3 V/m; Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.376 W/kg

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.274 mW/g

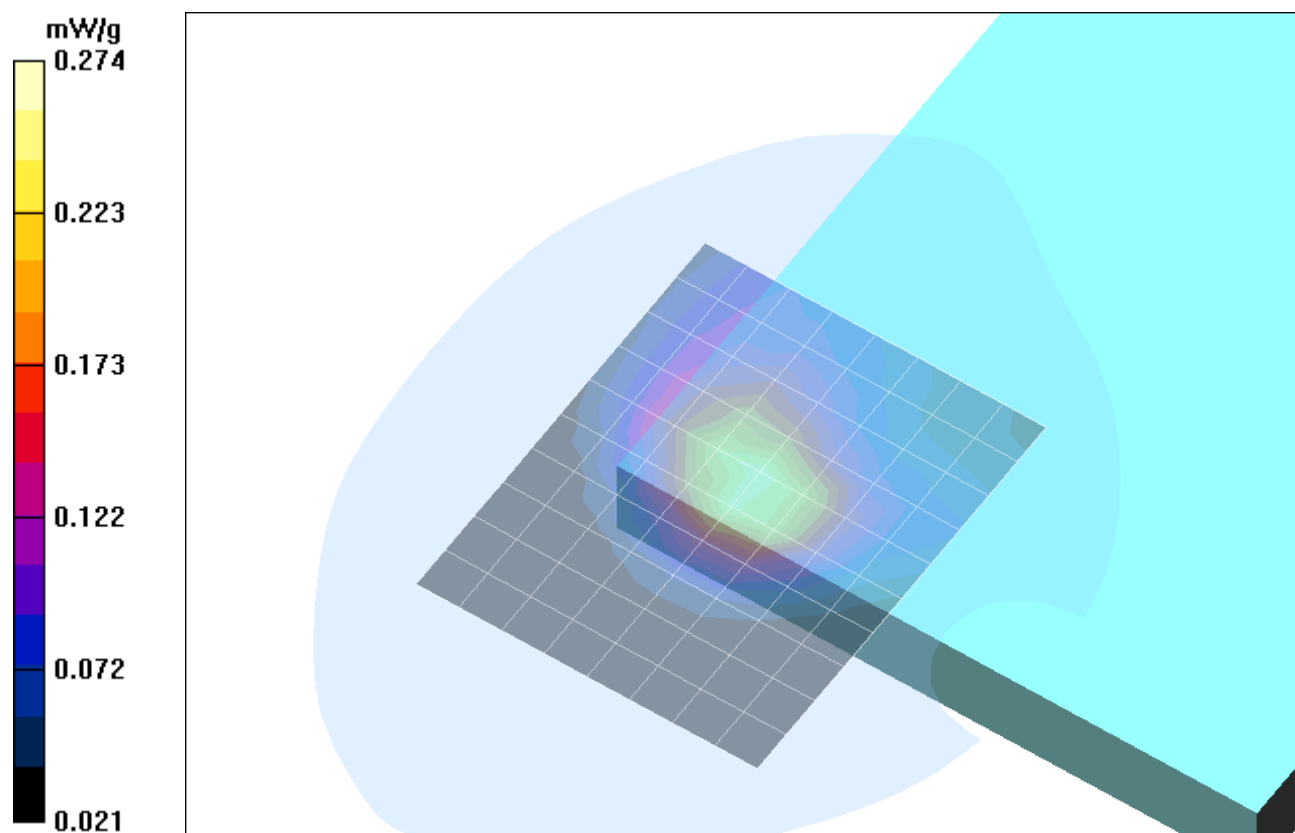


Fig. 7: SAR distribution for GSM 850, channel 190, Packard Bell Easy Note Notebook, position 1. (29.09.2004; Ambient Temperature: 22.0° C; Liquid Temperature: 20.9° C).

Test Laboratory: IMST GmbH; File Name: [optghm_3_easyn.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.03 mW/g

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

Reference Value = 33.3 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 4.35 W/kg

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.566 mW/g

Maximum value of SAR (measured) = 1.26 mW/g

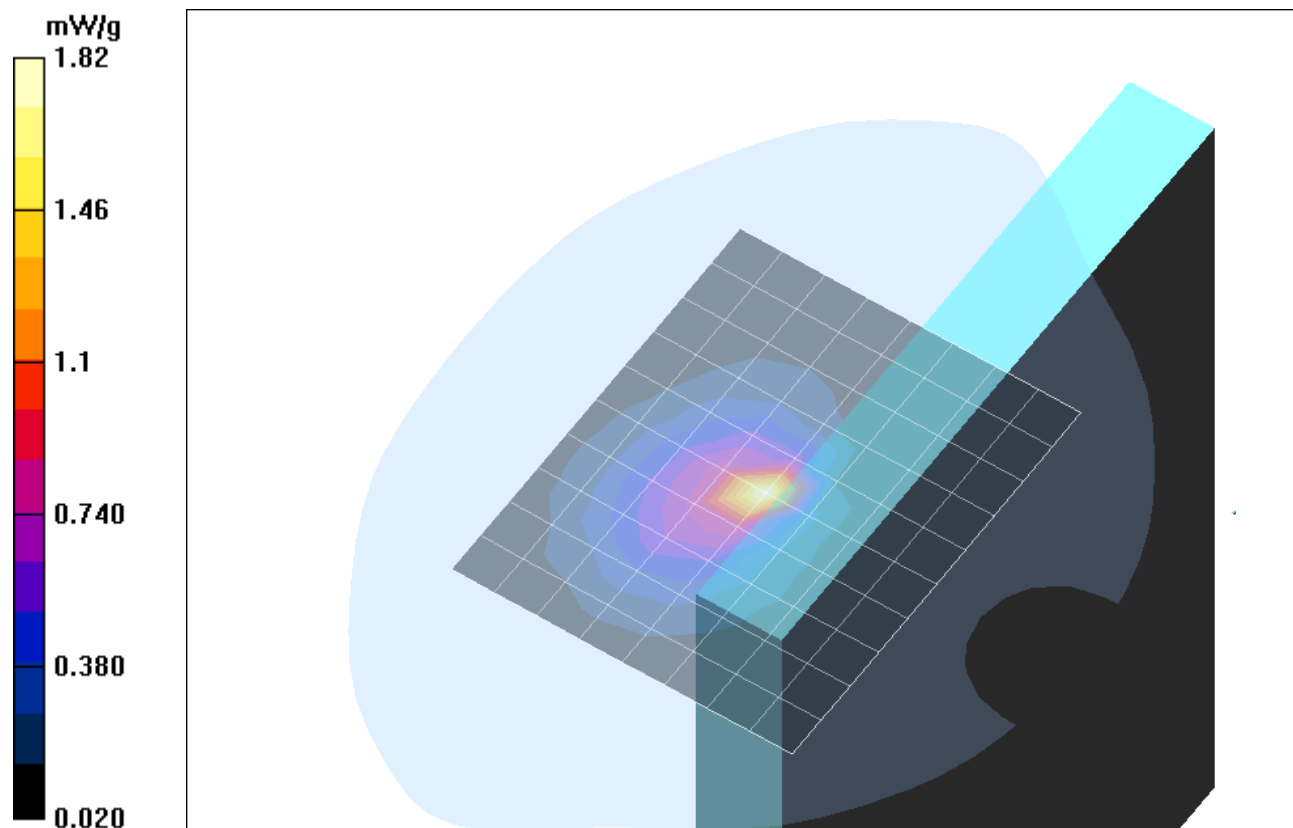


Fig. 8: SAR distribution for GSM 850, channel 190, Packard Bell Easy Note Notebook, position 2. (29.09.2004; Ambient Temperature: 22.0° C; Liquid Temperature: 20.9° C).

Test Laboratory: IMST; File Name: [optghl_3_easyn.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

Communication System: GPRS 850; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.949 mW/g

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

Reference Value = 31.6 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 4.04 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.447 mW/g

Maximum value of SAR (measured) = 1.1 mW/g

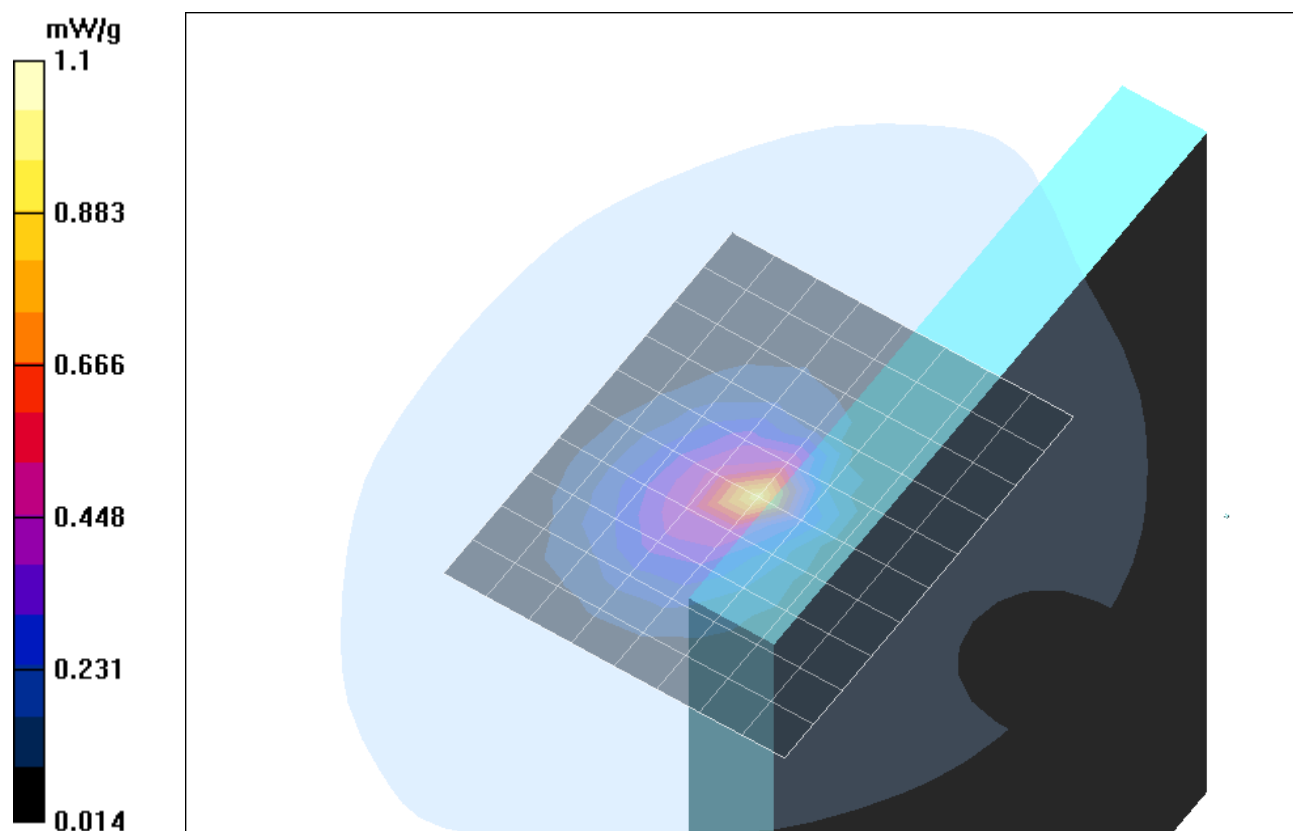


Fig. 9: SAR distribution for GSM 850, channel 128, Packard Bell Easy Note Notebook, position 2. (29.09.2004; Ambient Temperature: 21.9° C; Liquid Temperature: 20.9° C).

Test Laboratory: IMST; File Name: [optghh_3_easyn_wdh3_5.5mm.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

Communication System: GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium parameters used: $\sigma = 0.99$; mho/m, $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1579; ConvF(6.46, 6.46, 6.46); Calibrated: 01.09.2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Sugar; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.33 mW/g

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

Reference Value = 38.7 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 4.56 W/kg

SAR(1 g) = 1.27 mW/g; SAR(10 g) = 0.576 mW/g

Maximum value of SAR (measured) = 1.27 mW/g

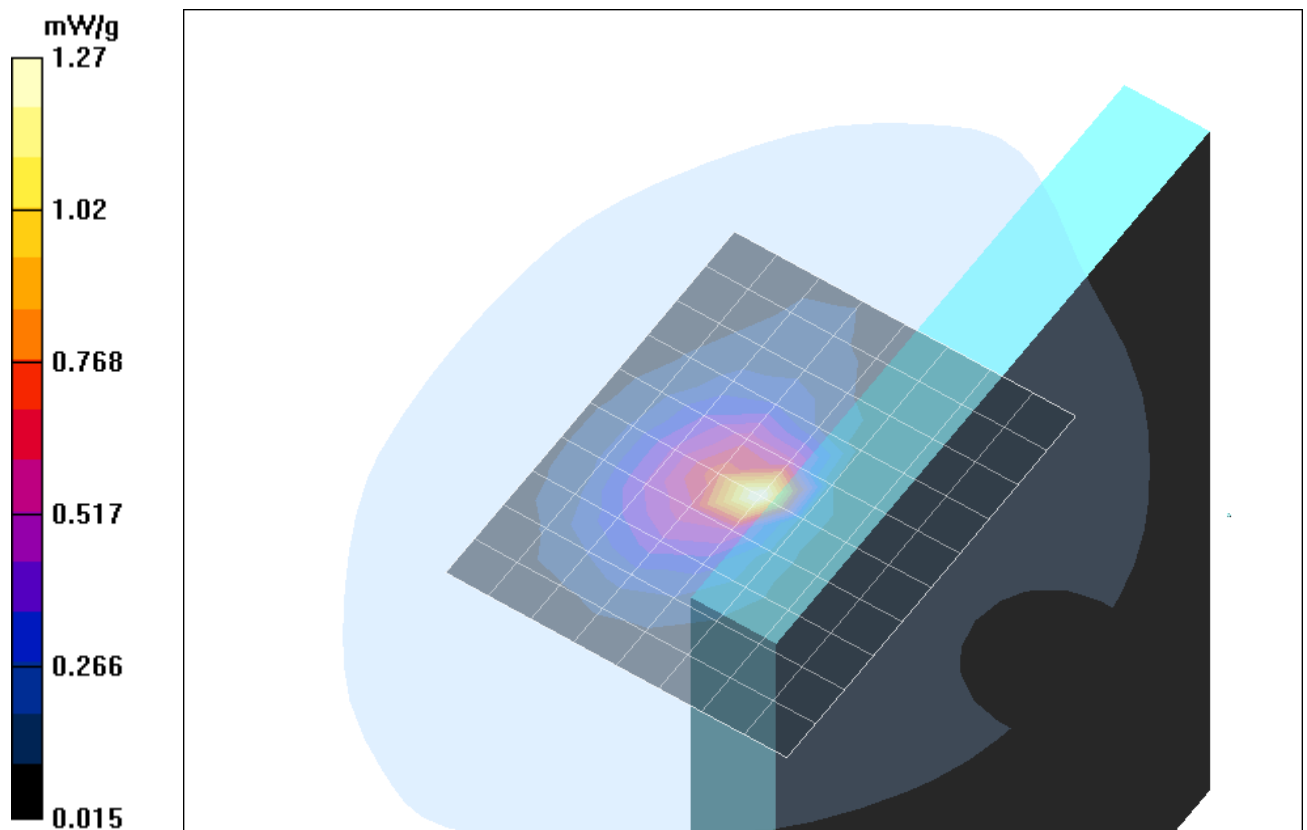


Fig. 10: SAR distribution for GSM 850, channel 251, Packard Bell Easy Note Notebook, position 2. (29.09.2004; Ambient Temperature: 21.9° C; Liquid Temperature: 20.9° C).

2 SAR Distribution Plots, GSM 1900 Body

Test Laboratory: The name of your organization; File Name: [optphm_2.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 1.55$; mho/m, $\epsilon_r = 53.1$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Glycol; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.326 mW/g

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

Reference Value = 8 V/m; Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.329 mW/g

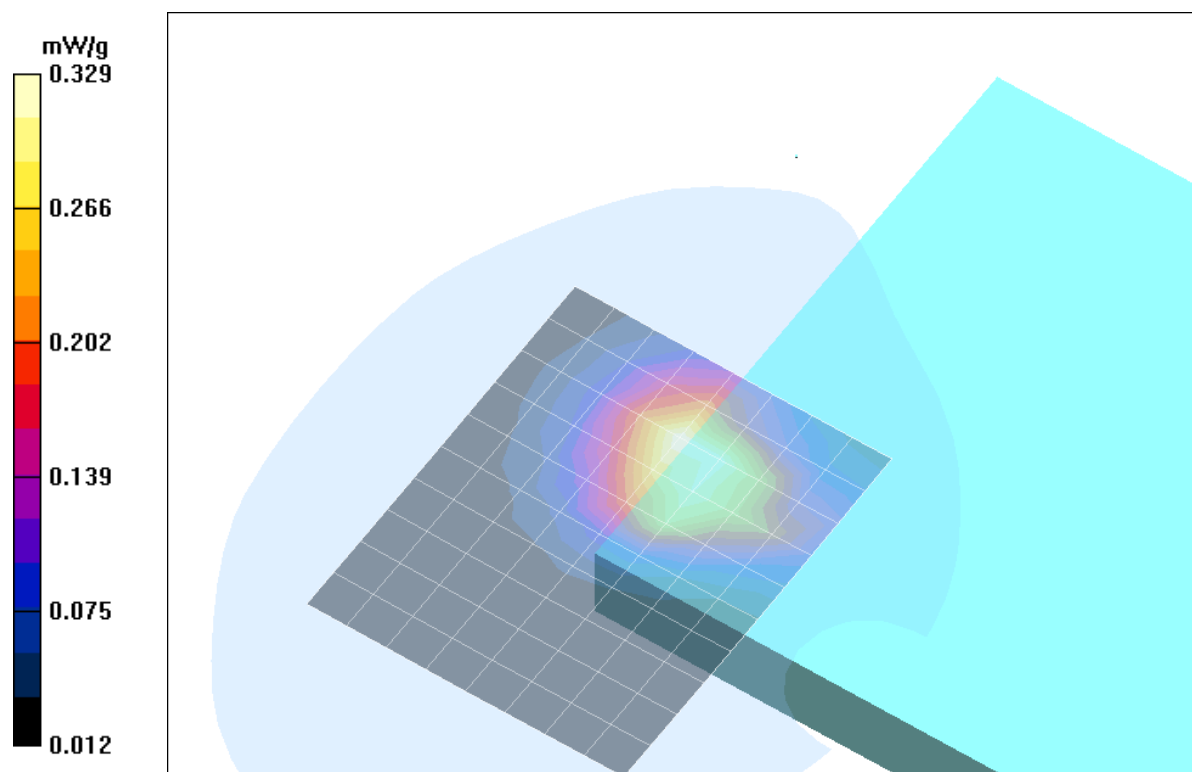


Fig. 11: SAR distribution for PCS 1900, channel 661, Compaq M700 Notebook, position 1. (28.09.2004; Ambient Temperature: 21.2° C; Liquid Temperature : 20.2° C).

Test Laboratory: The name of your organization; **File Name:** [optphm_3.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 1.55$; mho/m, $\epsilon_r = 53.1$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Glycol; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.363 mW/g

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

Reference Value = 12 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.209 mW/g

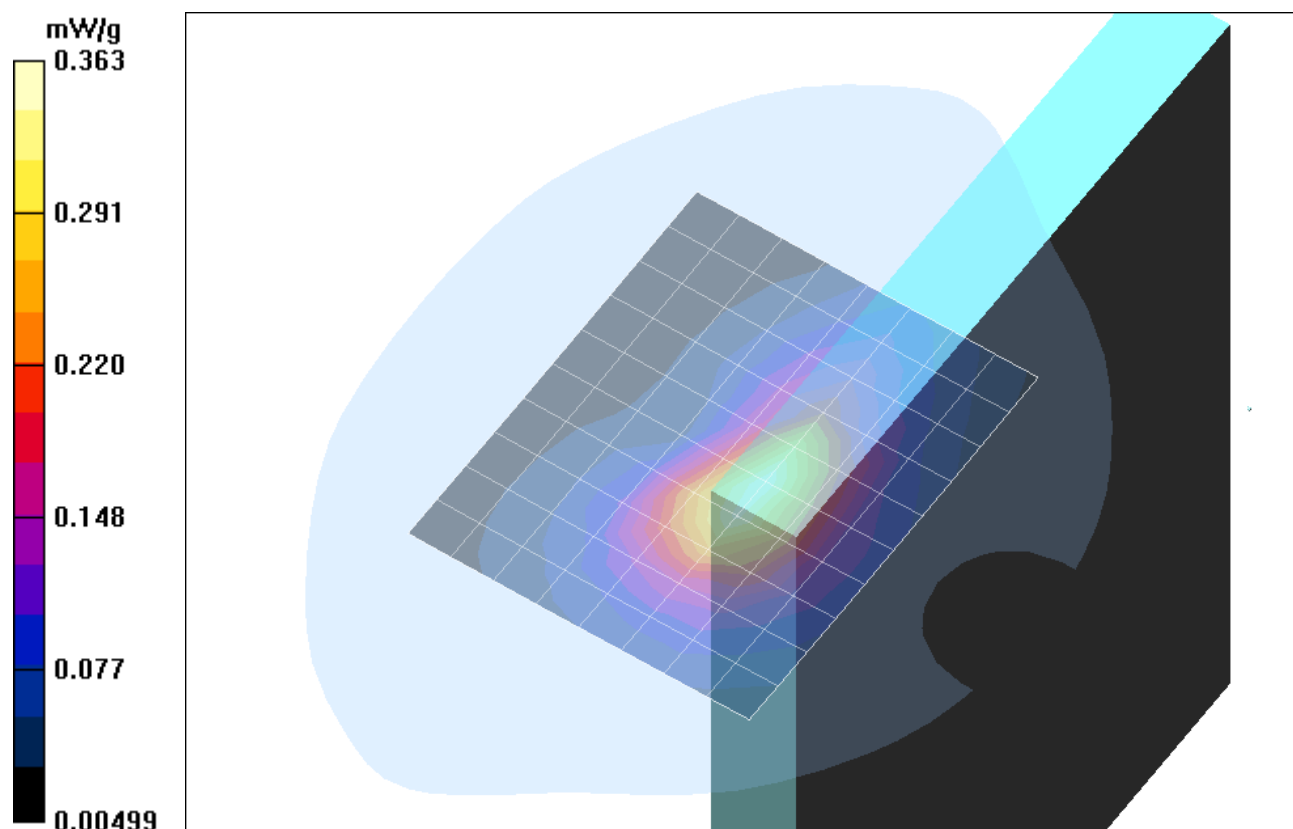


Fig. 12: SAR distribution for PCS 1900, channel 661, Compaq M700 Notebook, position 2. (28.09.2004; Ambient Temperature: 21.2° C; Liquid Temperature : 20.2° C).

Test Laboratory: The name of your organization; **File Name:** [optphm 2 nc6000.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 1.55$; mho/m, $\epsilon_r = 53.1$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Glycol; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.389 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.558 W/kg

SAR(1 g) = 0.351 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.385 mW/g

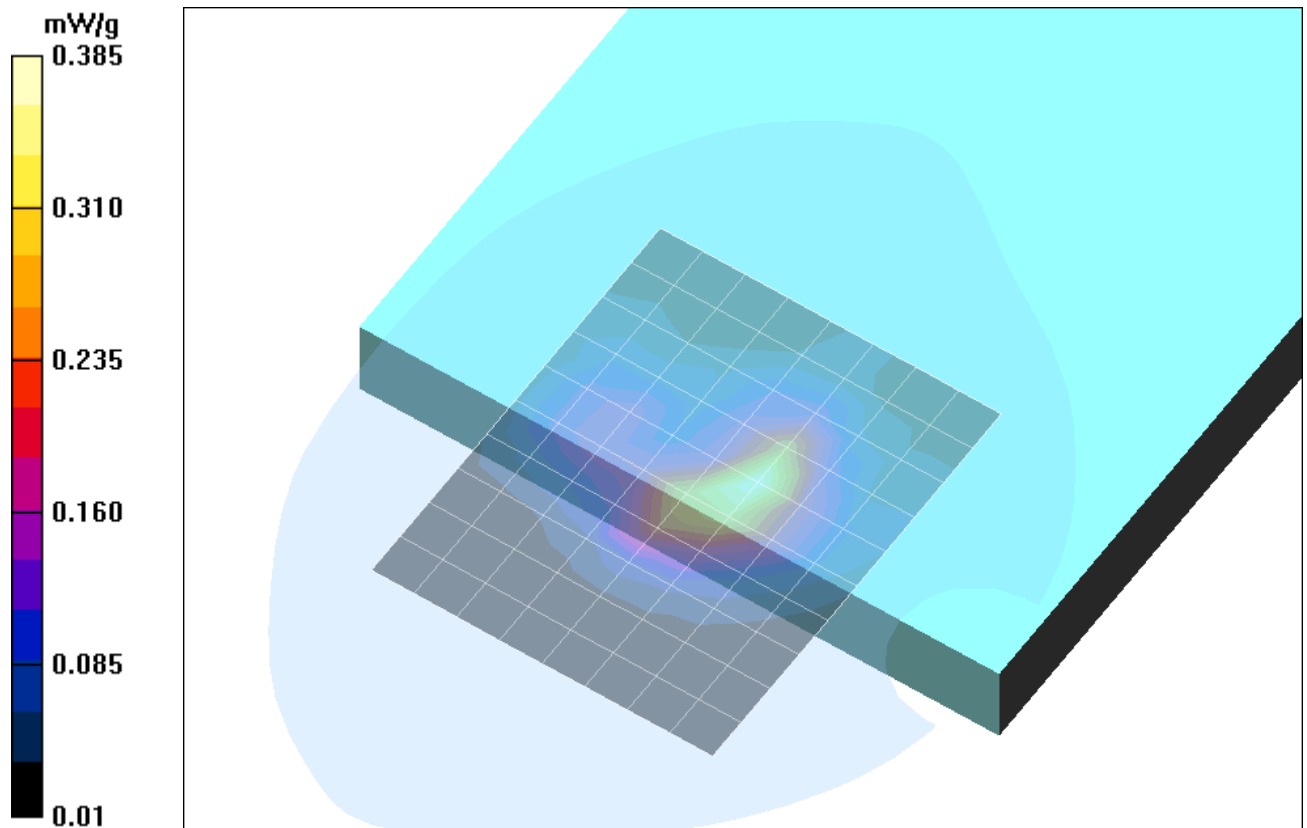


Fig. 13: SAR distribution for PCS 1900, channel 661, HP Compaq nc6000 Notebook, position 1. (28.09.2004; Ambient Temperature: 21.4° C; Liquid Temperature : 20.3° C).

Test Laboratory: The name of your organization; **File Name:** [optphm_3_nc6000.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 1.55$; mho/m, $\epsilon_r = 53.1$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Glycol; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.373 mW/g

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

Reference Value = 13.1 V/m; Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.623 W/kg

SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.388 mW/g

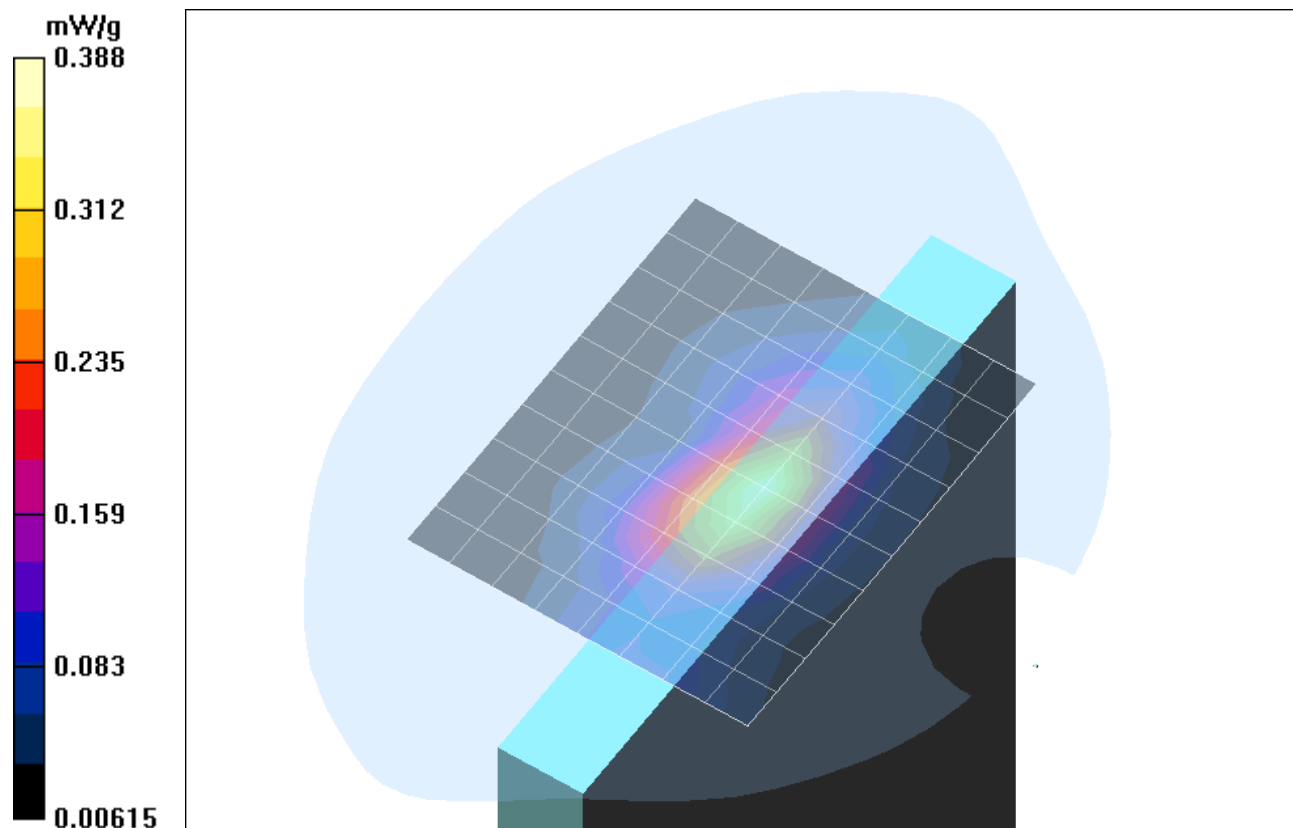


Fig. 14: SAR distribution for PCS 1900, channel 661, Compaq NC6000 Notebook, position 2. (28.09.2004; Ambient Temperature: 21.3° C; Liquid Temperature : 20.3° C).

Test Laboratory: The name of your organization; **File Name:** [optphm_2_easyn.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 1.55$; mho/m, $\epsilon_r = 53.1$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Glycol; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.416 mW/g

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

Reference Value = 17.5 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.243 mW/g

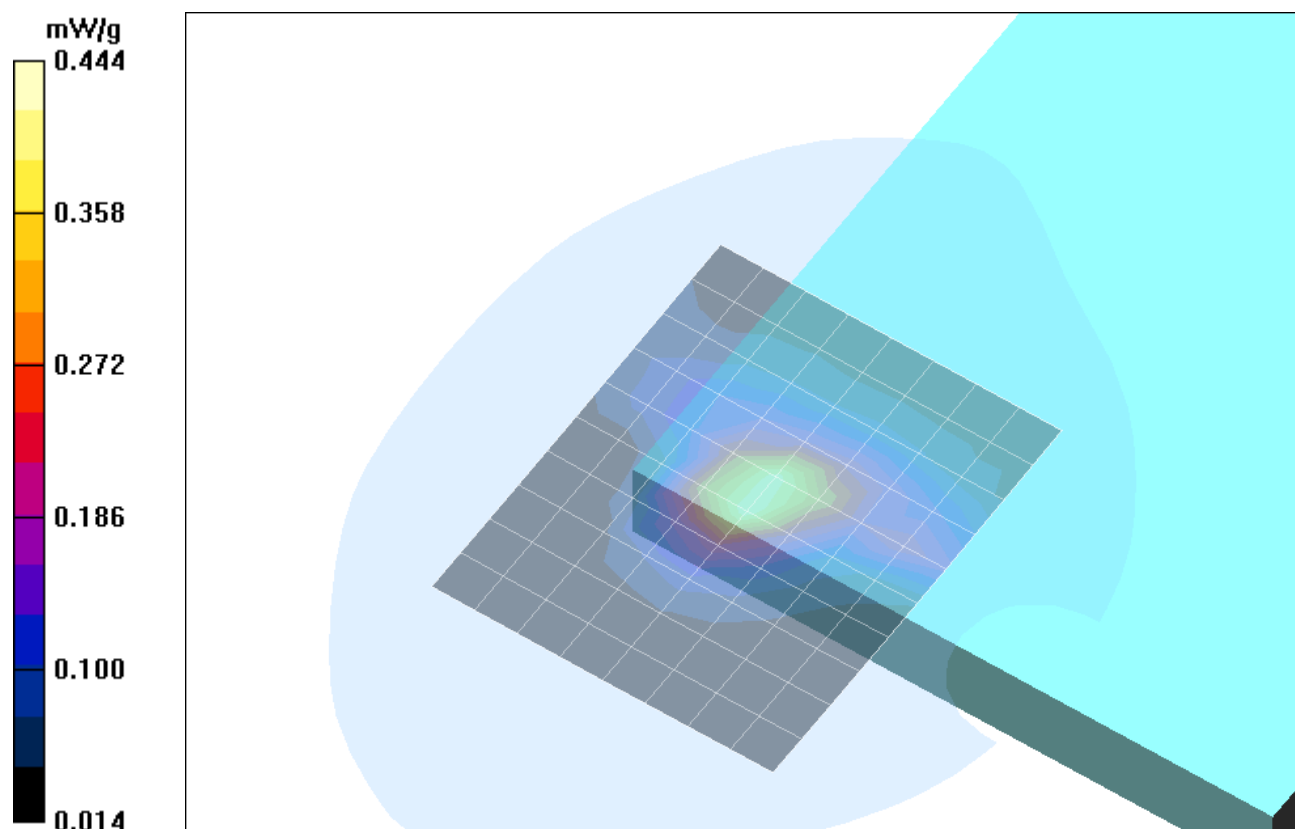


Fig. 15: SAR distribution for PCS 1900, channel 661, Packard Bell Easy Note Notebook, position 1. (28.09.2004; Ambient Temperature: 21.5° C; Liquid Temperature : 20.4° C).

Test Laboratory: The name of your organization; **File Name:** [optphm_3_easyn.da4](#)

DUT: Option; Type: Globetrotter;

Program Name: Unnamed Program

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

Medium parameters used: $\sigma = 1.55$; mho/m, $\epsilon_r = 53.1$; $\rho = 1000$ 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 And Optical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 05.08.2004
- Phantom: SAM Glycol; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Unnamed procedure/Area Scan (9x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.392 mW/g

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

Reference Value = 12.4 V/m; Power Drift = 0.122 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.379 mW/g

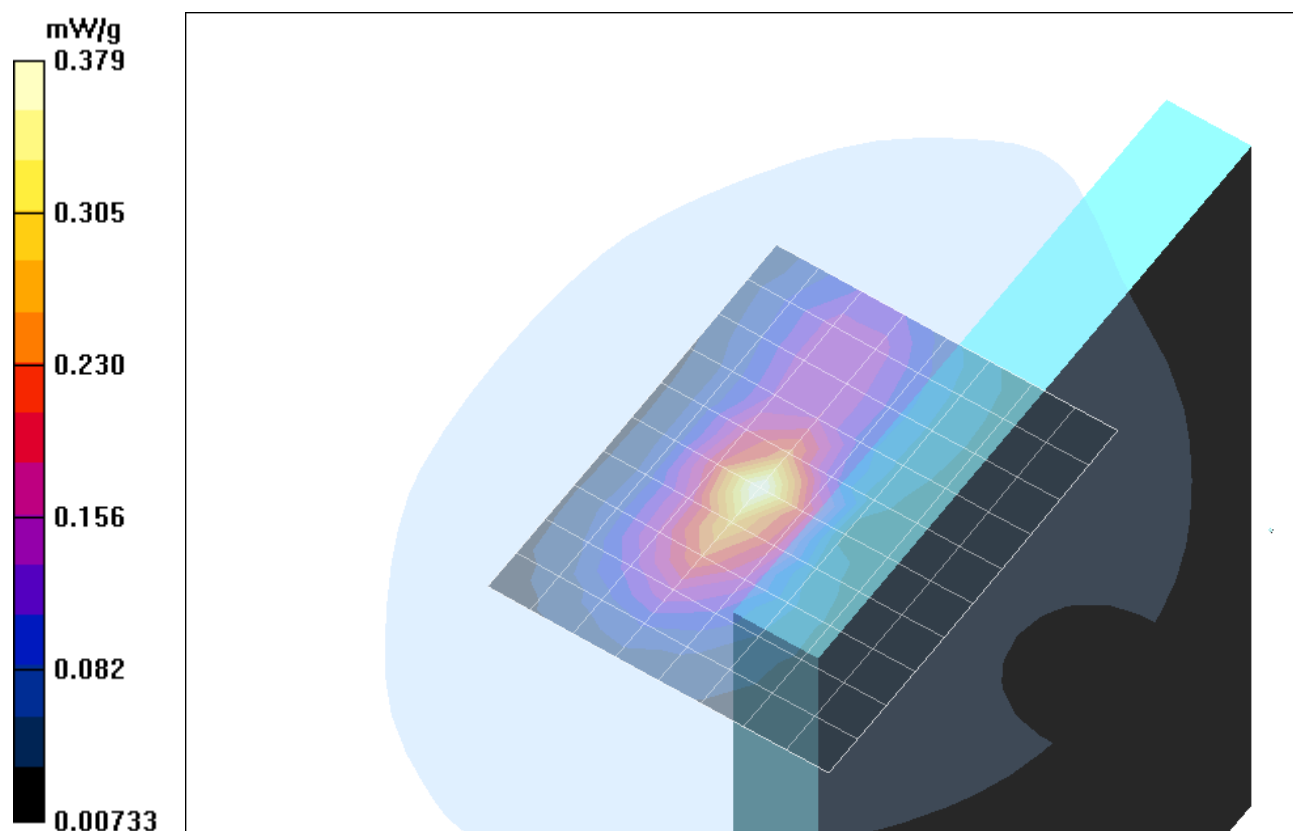


Fig. 16: SAR distribution for PCS 1900, channel 661, Packard Bell Easy Note Notebook, position 2. (28.09.2004; Ambient Temperature: 21.3° C; Liquid Temperature : 20.3° C).

3 SAR z-axis scans (Validation)

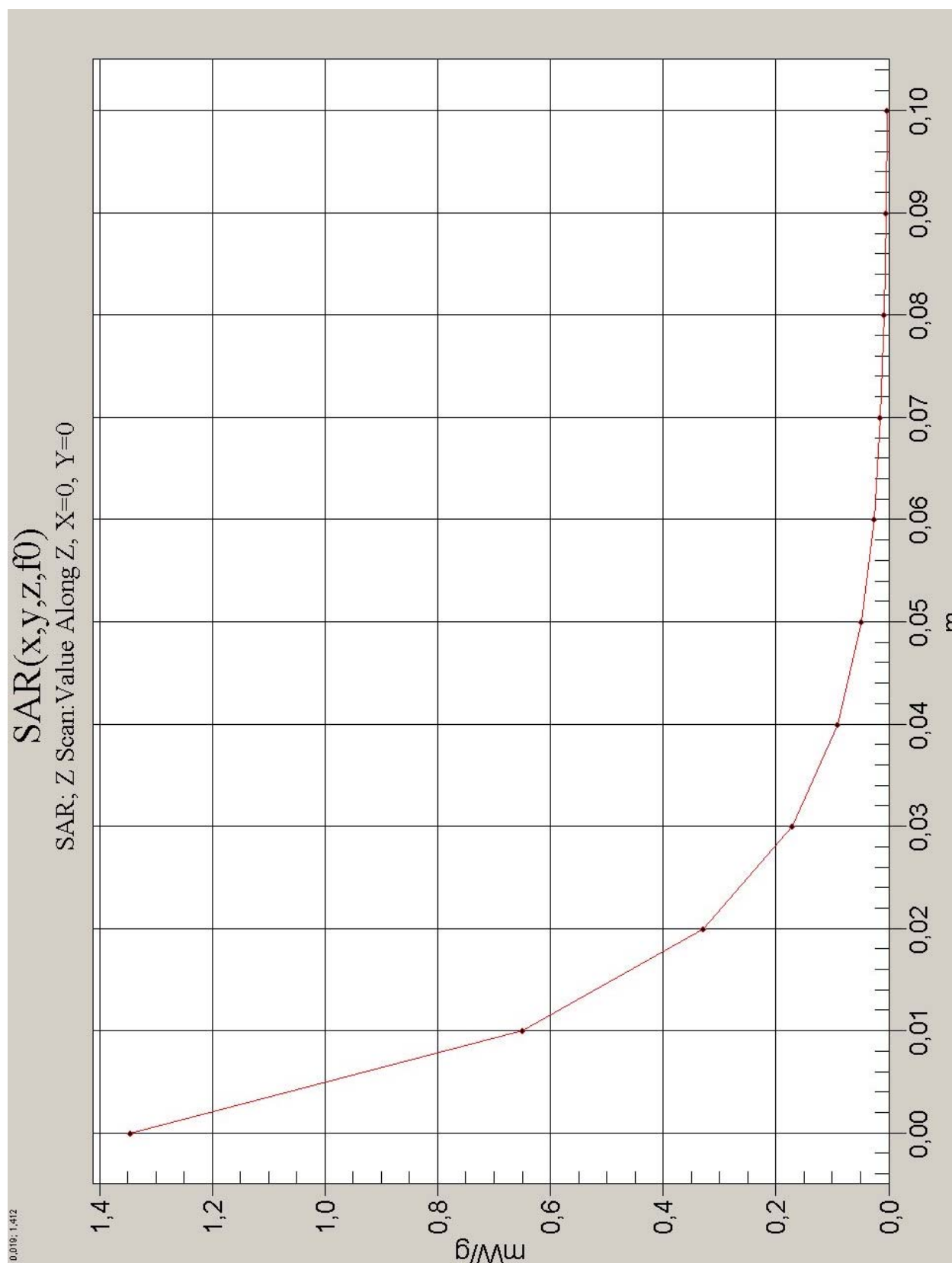


Fig. 17: SAR versus liquid depth, 835 MHz, body (29.09.2004; Ambient Temperature: 22.0° C; Liquid Temperature : 21.0° C).

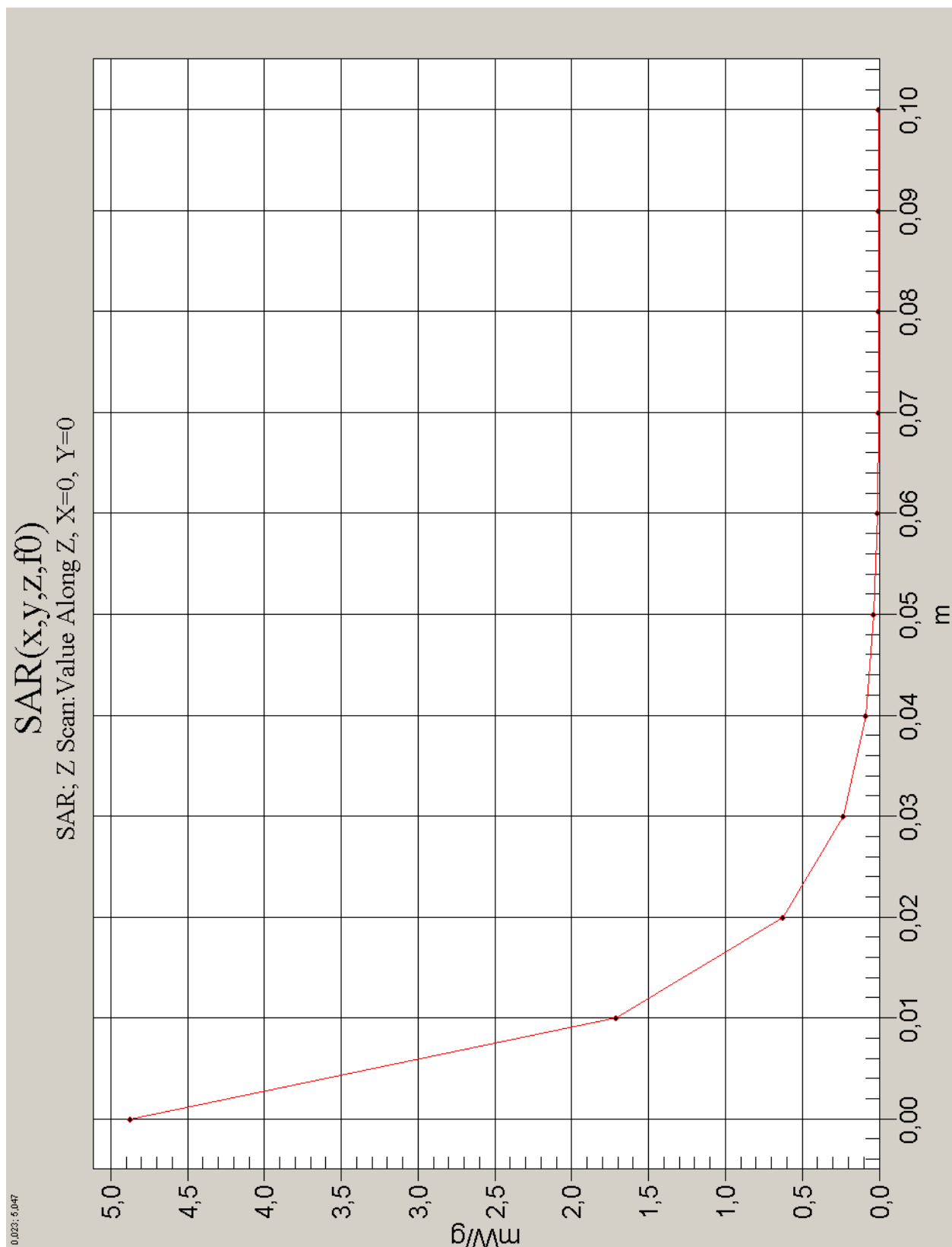


Fig. 18: SAR versus liquid depth, 1900 MHz, body (28.09.2004; Ambient Temperature: 22.0° C; Liquid Temperature : 21.0° C).

4 SAR z-axis scans (Measurements)

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

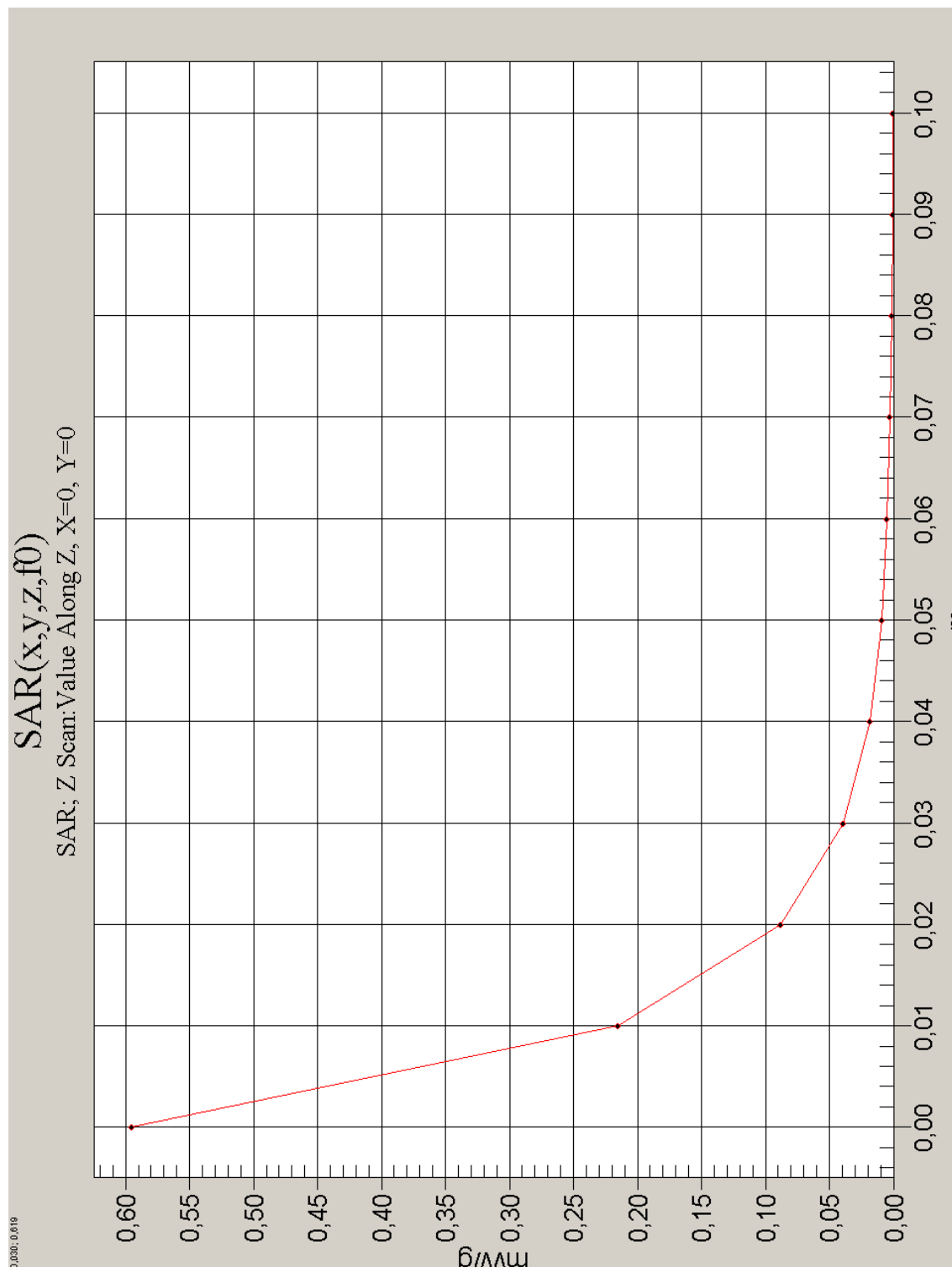


Fig. 19: SAR versus liquid depth, head: GSM 850, channel 251, Packard Bell Easy Note Notebook position 2. (29.09.2004, Ambient Temperature: 21.9° C; Liquid Temperature : 20.9° C).

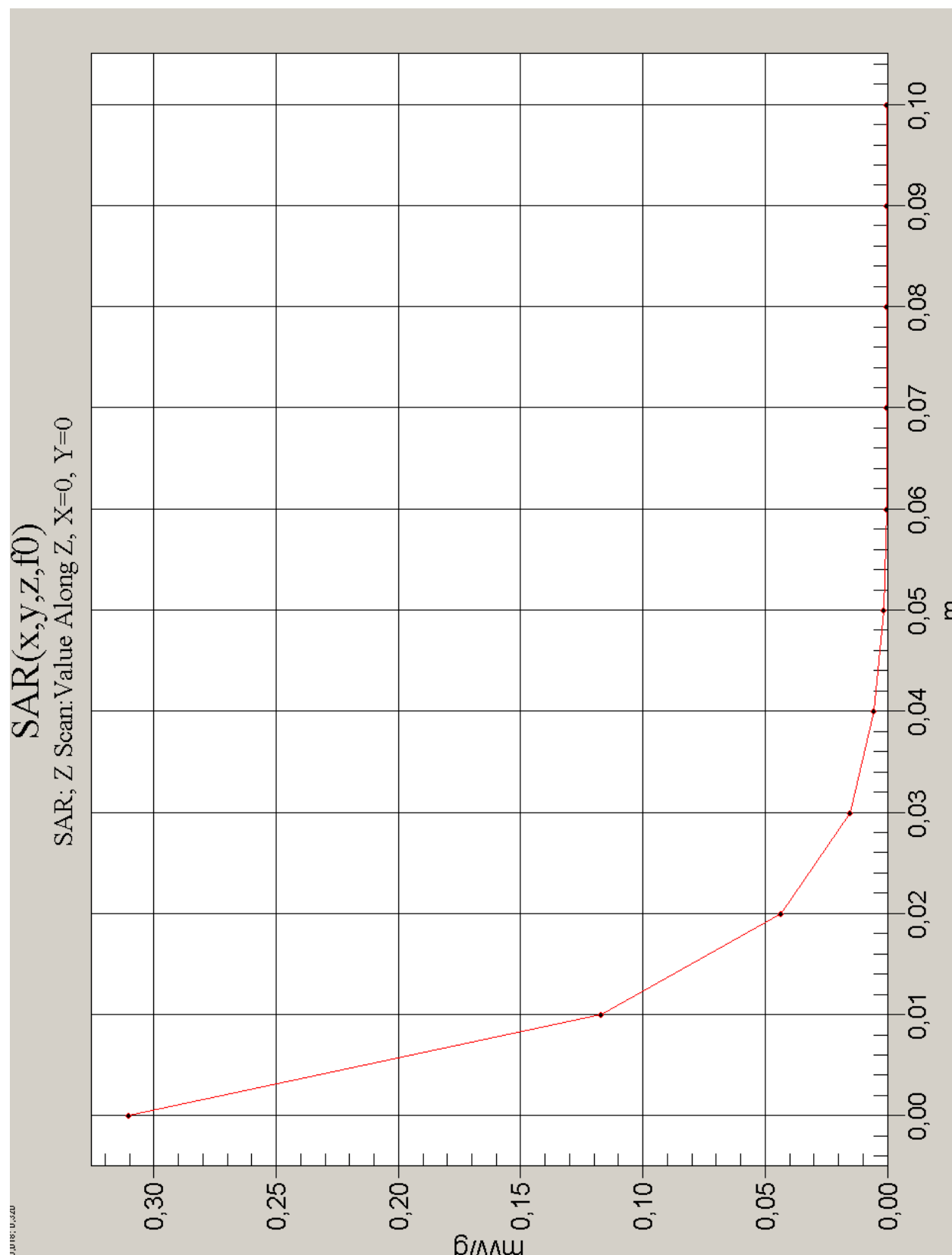


Fig. 20: SAR versus liquid depth, body: PCS 1900, channel 661, Packard Bell Easy Note Notebookposition 1. (28.09.2004, Ambient Temperature: 21.5° C; Liquid Temperature : 20.4° C).