
Appendix for the Report

Dosimetric Assessment of the Siemens CF110 (FCC ID: PWX-CF110)

According to the FCC Requirements

SAR Distribution Plots

August 23, 2005
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The test results only relate to the items tested.
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1 SAR Distribution Plots, PCS 1900 Head slider up

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [058bplm_1\(Slider up\).da4](#)

DUT: Siemens Flamingo (Slider up); Type: CF110; Serial: 004400013590058

Program Name: Cheek Left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 13.01.2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn335; Calibrated: 17.03.2005

- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Left/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.247 mW/g

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

Reference Value = 13.8 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.409 W/kg

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.282 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.8 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.229 mW/g

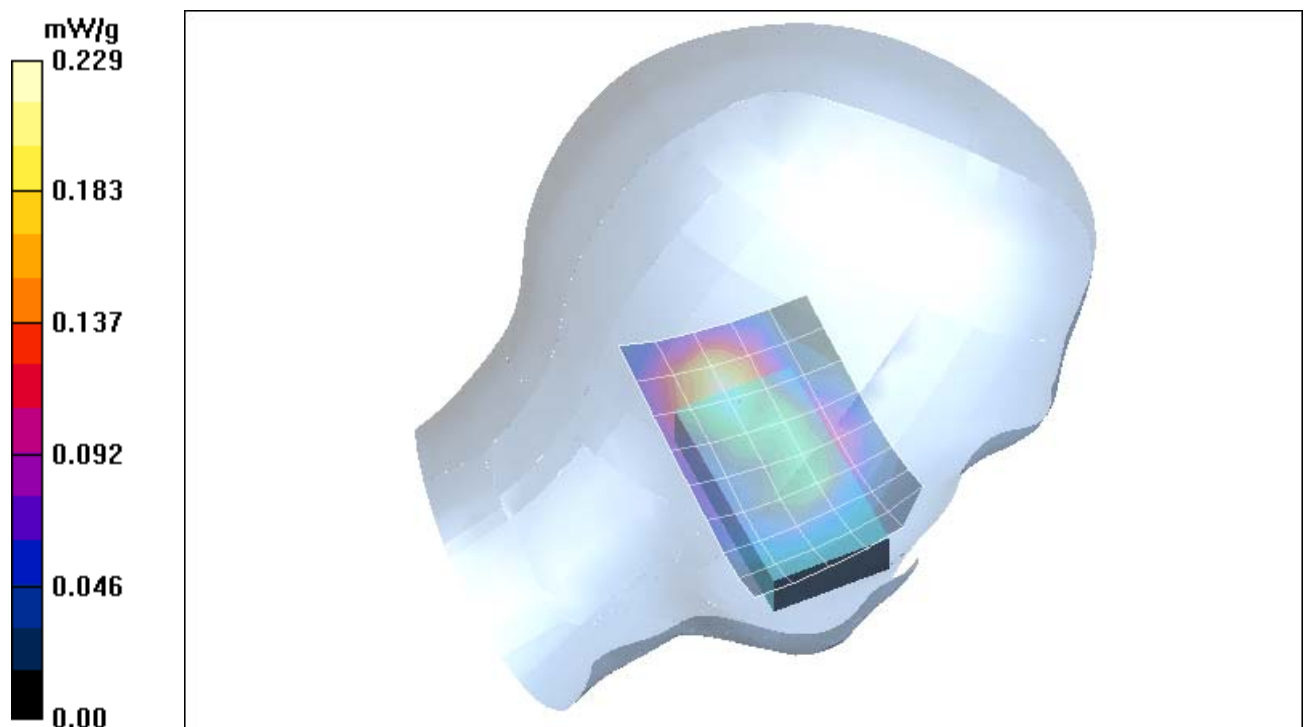


Fig. 1: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (August 08, 2005; Ambient Temperature: 21.7° C; Liquid Temperature : 20.1° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bp1m_2\(Slider up\).da4](#)

DUT: Siemens Flamingo (Slider up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Tilted Left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Left/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.232 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 0.441 W/kg

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 0.307 mW/g

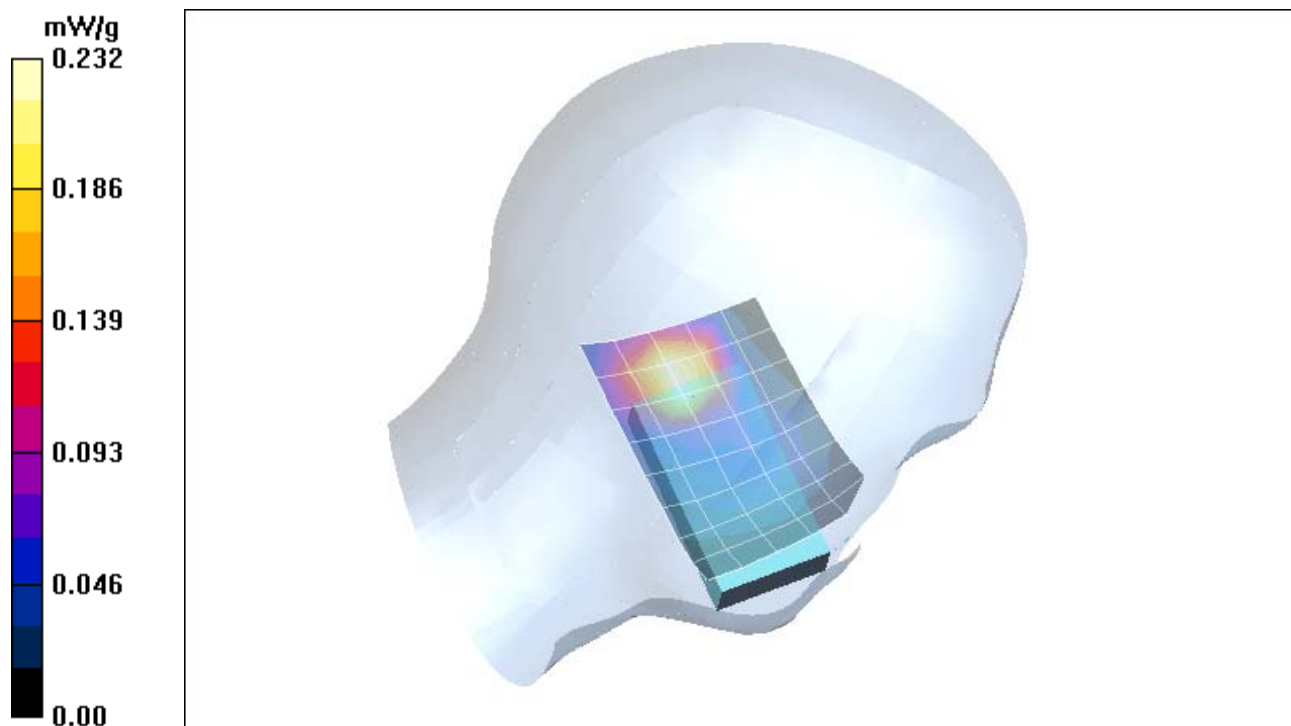


Fig. 2: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (August 08, 2005; Ambient Temperature: 21.7° C; Liquid Temperature : 20.1° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bprm_1\(Slider up\).da4](#)

DUT: Siemens Flamingo (Slider up); **Type:** CF110; **Serial:** 004400013590058
Program Name: Cheek Right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³
 Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Right/Area Scan (6x9x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.281 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.5 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.173 mW/g

Maximum value of SAR (measured) = 0.350 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 11.5 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.248 W/kg

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.104 mW/g

Maximum value of SAR (measured) = 0.200 mW/g

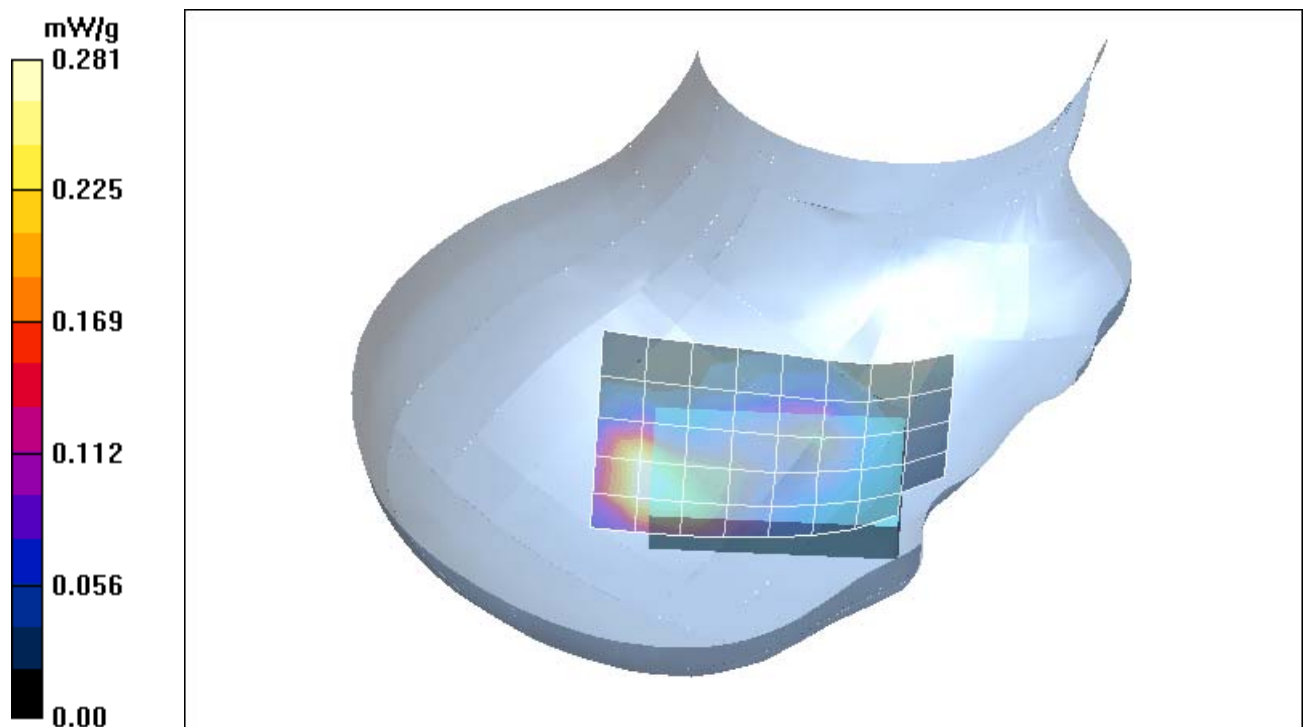


Fig. 3: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (August 08, 2005; Ambient Temperature: 21.7° C; Liquid Temperature : 20.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bprm_2\(Slider up\).da4](#)

DUT: Siemens Flamingo (Slider up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Tilted Right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Right/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.333 mW/g

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

Reference Value = 12.4 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.536 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.365 mW/g

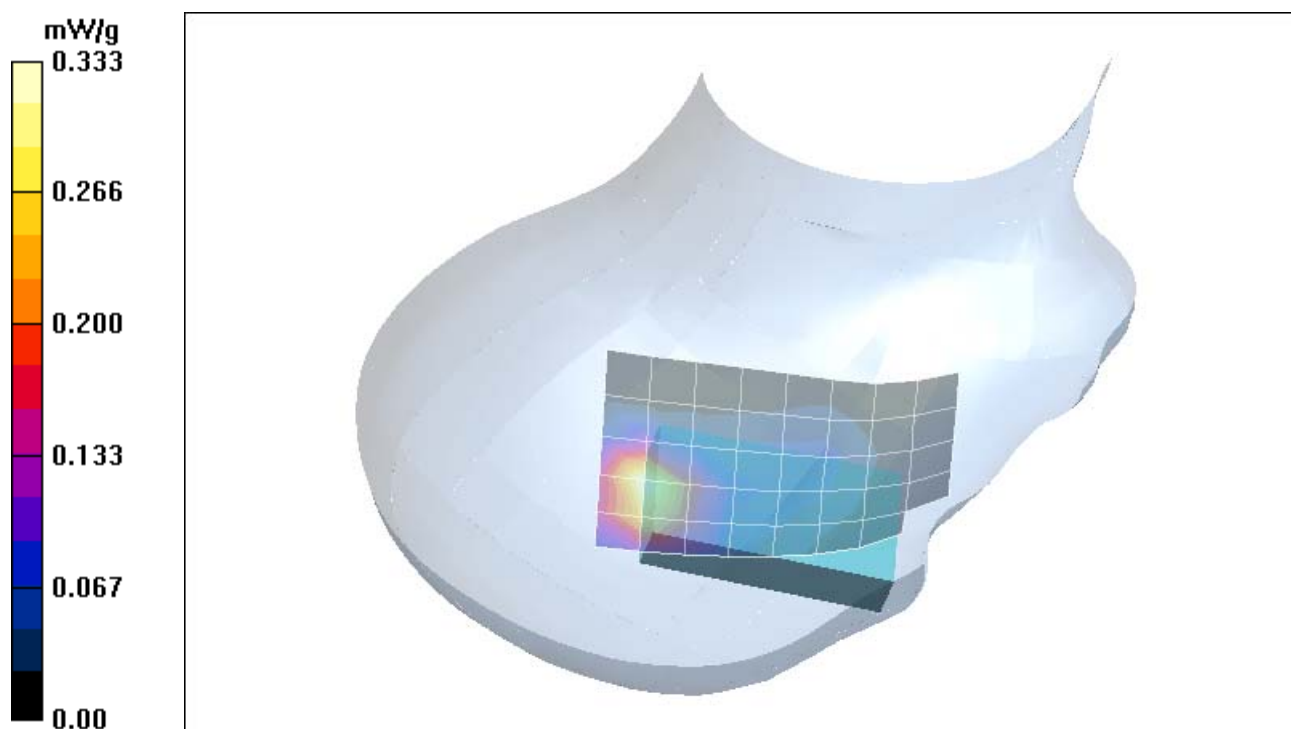


Fig. 4: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (August 08, 2005; Ambient Temperature: 21.7 °C; Liquid Temperature : 20.2° C)

2 SAR Distribution Plots, PCS 1900 Head slider down

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [058bplm_1_slider_down.da4](#)

DUT: Siemens Flamingo (Slider Down); Type: CF110; Serial: 004400013590058

Program Name: Cheek Left

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Left/Area Scan (6x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.293 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.278 mW/g

Cheek Left/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.3 V/m; Power Drift = -0.169 dB

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.226 mW/g

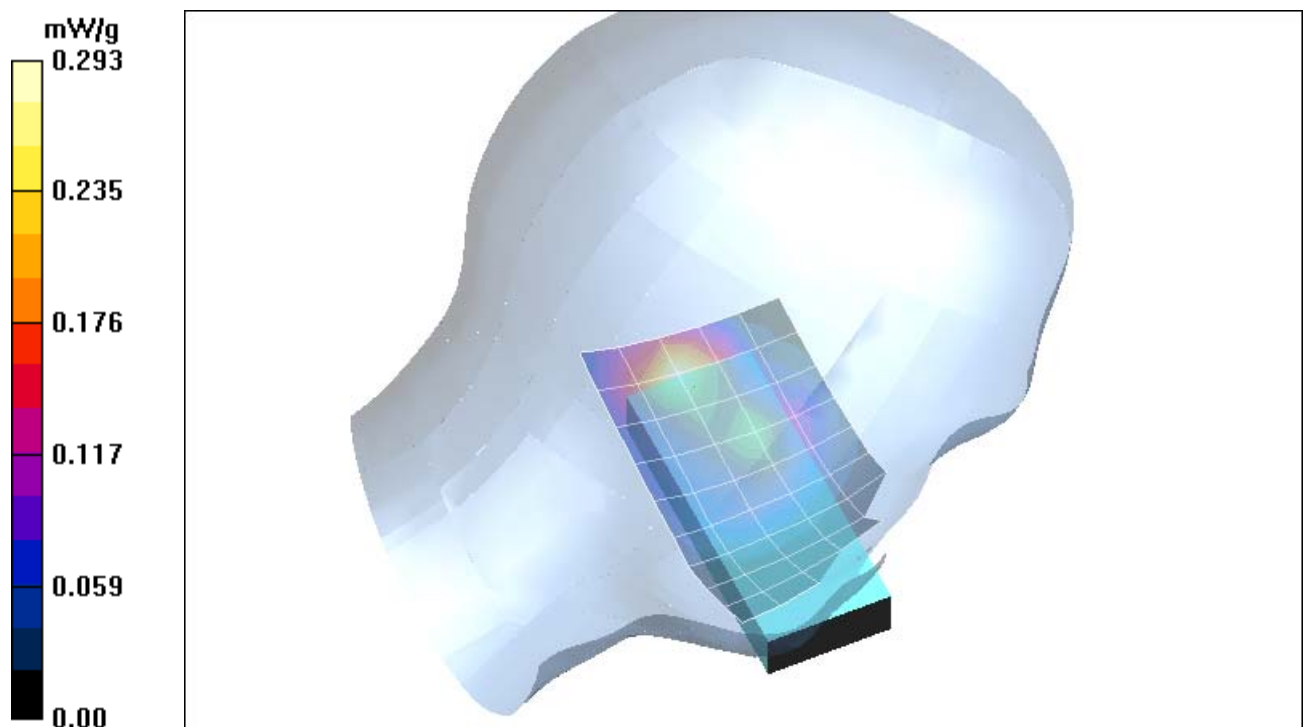


Fig. 5: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (August 08, 2005; Ambient Temperature: 21.8° C; Liquid Temperature : 20.1° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bplm 2 slider down.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Tilted Left

Communication System: GSM 1900; Frequency: 1747.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.36, 5.36, 5.36); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Left/Area Scan (6x9x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.257 mW/g

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

Reference Value = 14.4 V/m; Power Drift = -0.023 dB

Peak SAR (extrapolated) = 0.426 W/kg

SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.144 mW/g

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

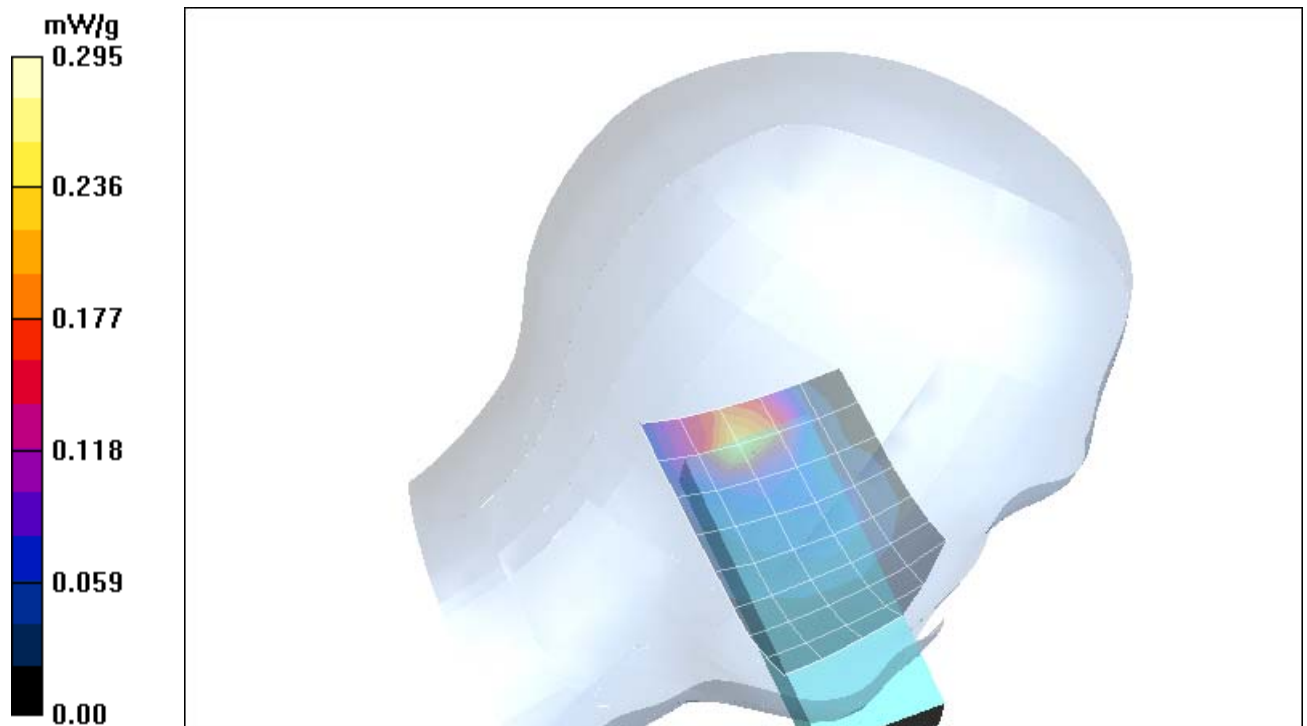


Fig. 6: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (August 08, 2005; Ambient Temperature: 21.8° C; Liquid Temperature : 20.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bprm_1_slider_down.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Cheek Right

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.11, 5.11, 5.11); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Right/Area Scan (6x10x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.319 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.4 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.534 W/kg

SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.365 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.4 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.225 mW/g

Cheek Right/Zoom Scan (7x7x7)/Cube 2: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 12.4 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.375 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.257 mW/g

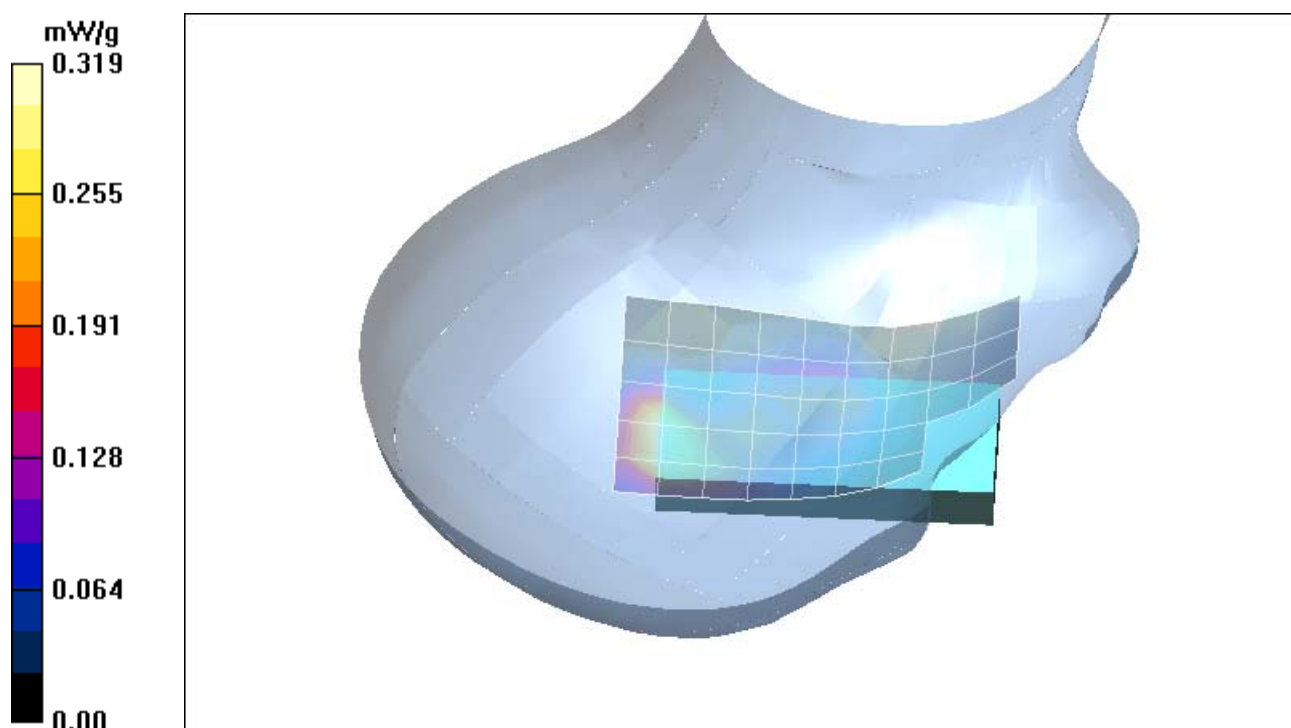


Fig. 7: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (August 08, 2005; Ambient Temperature: 21.8° C; Liquid Temperature : 20.1° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bprm 2 slider down.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Tilted Right

Communication System: GSM 1900; Frequency: 1747.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 39.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(5.36, 5.36, 5.36); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Right/Area Scan (6x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.370 mW/g

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

Reference Value = 13.4 V/m; Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.559 W/kg

SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.188 mW/g

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

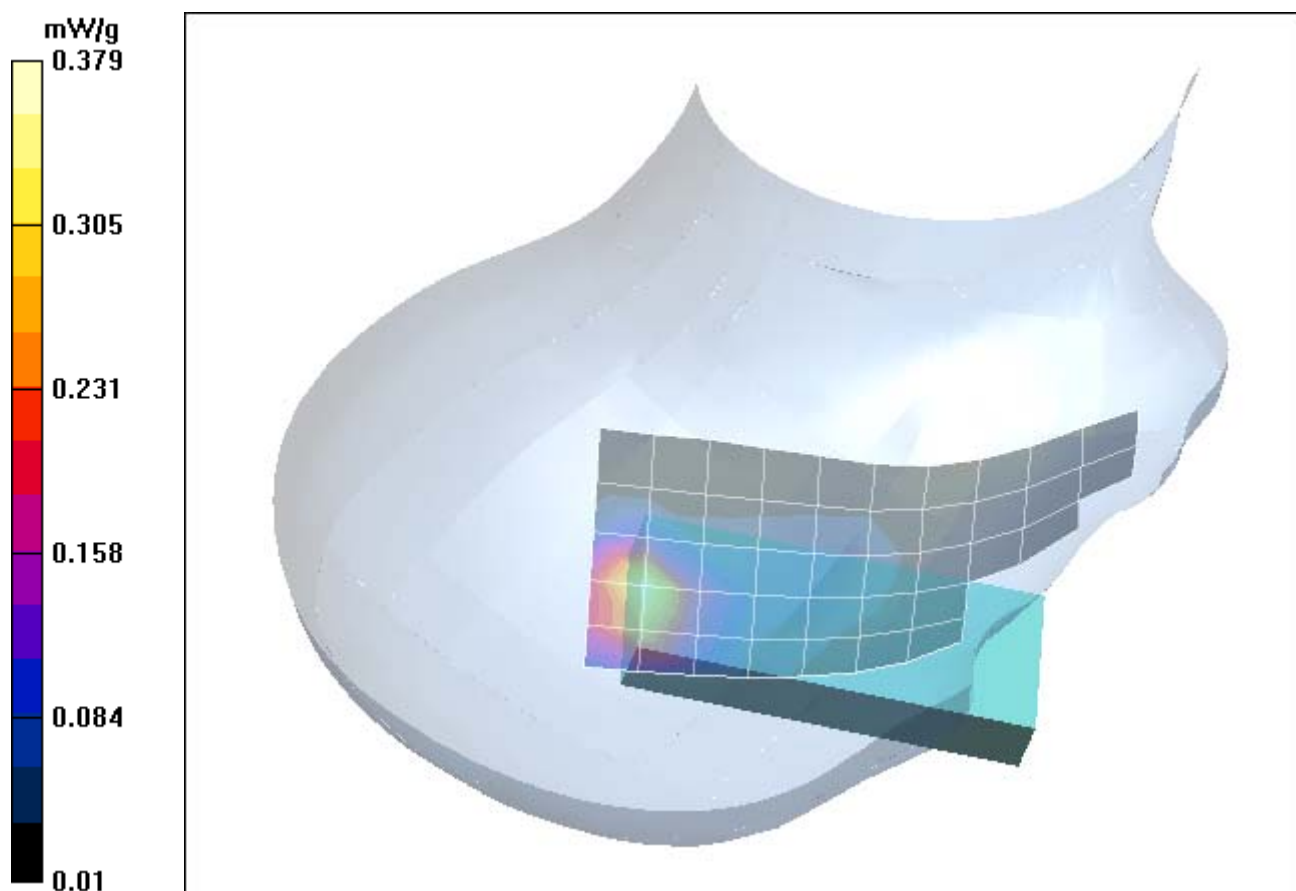


Fig. 8: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (August 08, 2005; Ambient Temperature: 21.7 °C; Liquid Temperature : 20.2° C)

3 SAR Distribution Plots, PCS 1900 Body without accessory

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [058bphm_3_su_ohne_15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); Type: CF110; Serial: 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.834 mW/g

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

Reference Value = 9.89 V/m; Power Drift = 0.086 dB

Peak SAR (extrapolated) = 1.51 W/kg

SAR(1 g) = 0.909 mW/g; SAR(10 g) = 0.494 mW/g

Maximum value of SAR (measured) = 1.02 mW/g

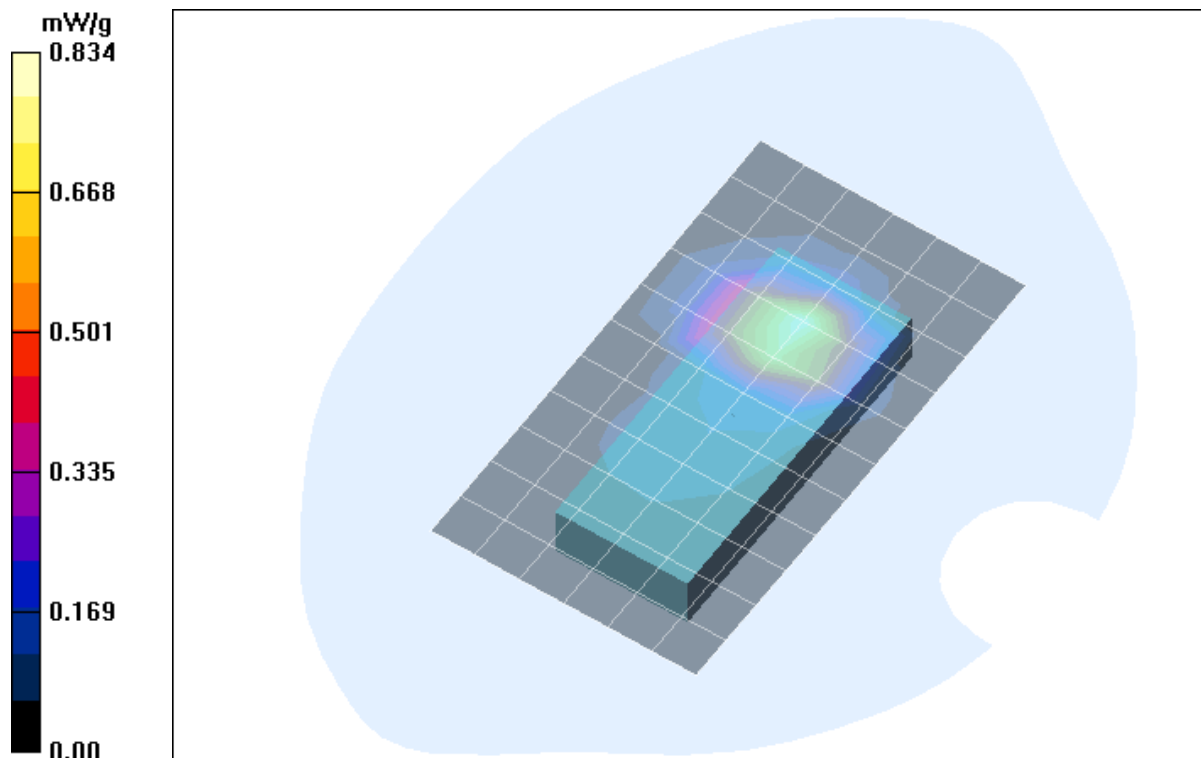


Fig. 9: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphm 3 sd ohne 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.09 mW/g

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

Reference Value = 10.9 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.66 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.557 mW/g

Maximum value of SAR (measured) = 1.16 mW/g

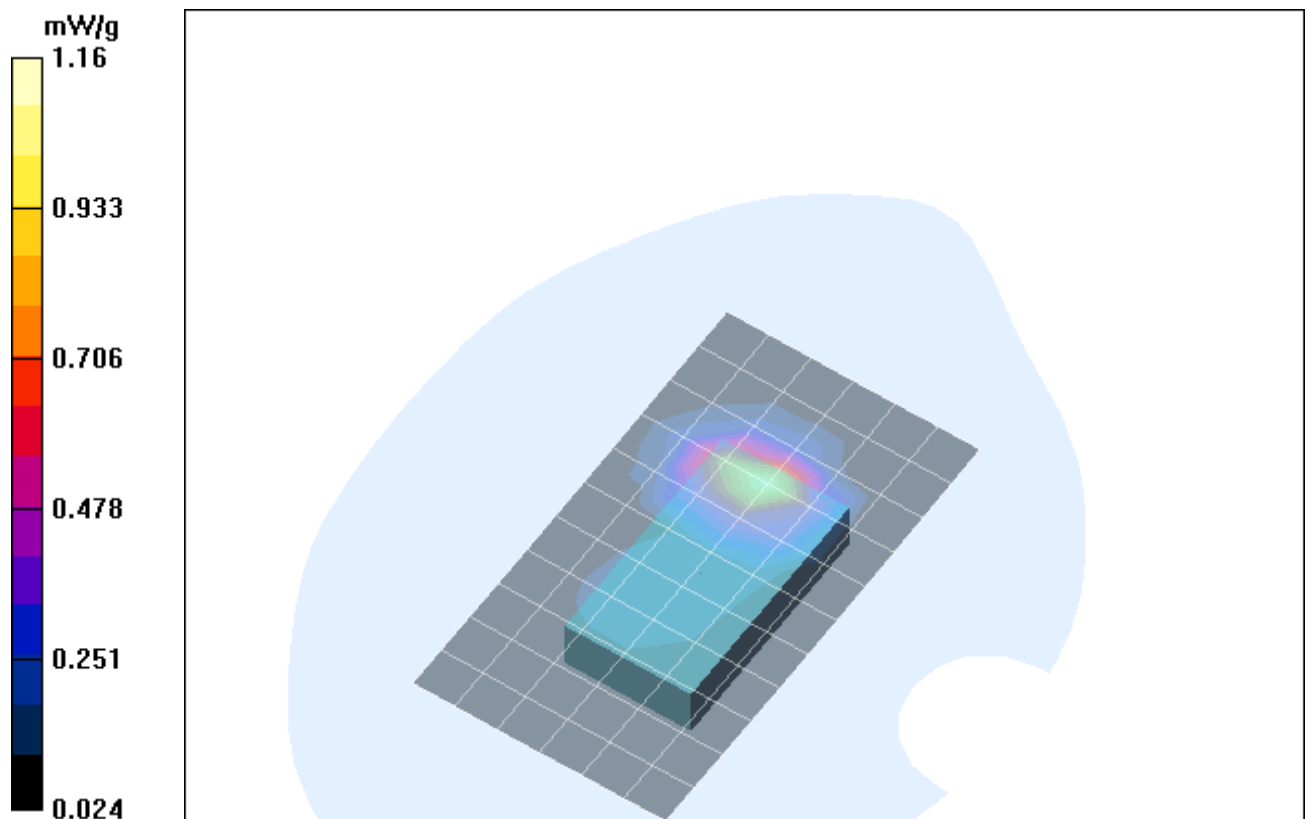


Fig. 10: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.1° C; Liquid Temperature: 21.1° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphl 3 su ohne 15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 14.3 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 1.90 W/kg

SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.622 mW/g

Maximum value of SAR (measured) = 1.28 mW/g

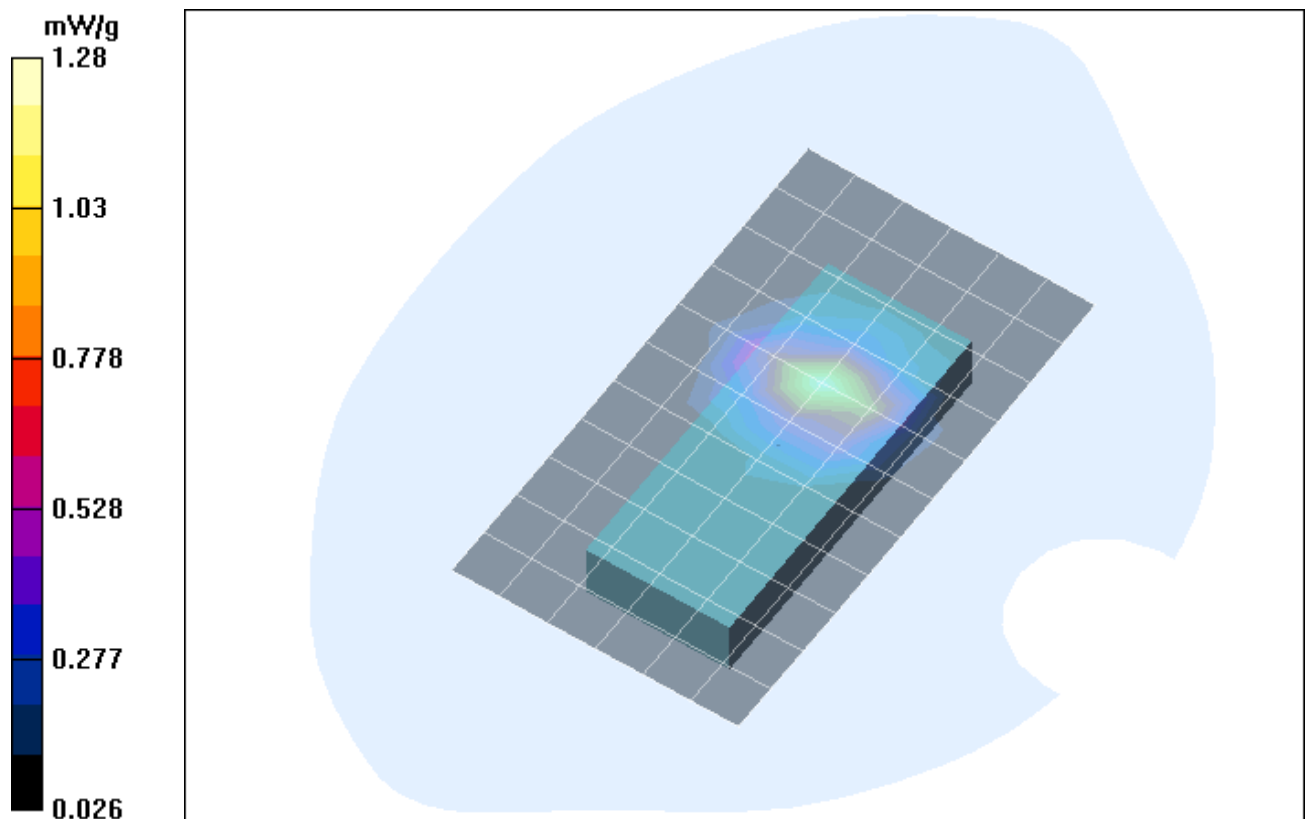


Fig. 11: SAR distribution for PCS 1900, channel 512, body worn configuration, antenna towards the phantom, slider up, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphh 3 su ohne 15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.608 mW/g

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

Reference Value = 10.6 V/m; Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.996 W/kg

SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 0.647 mW/g

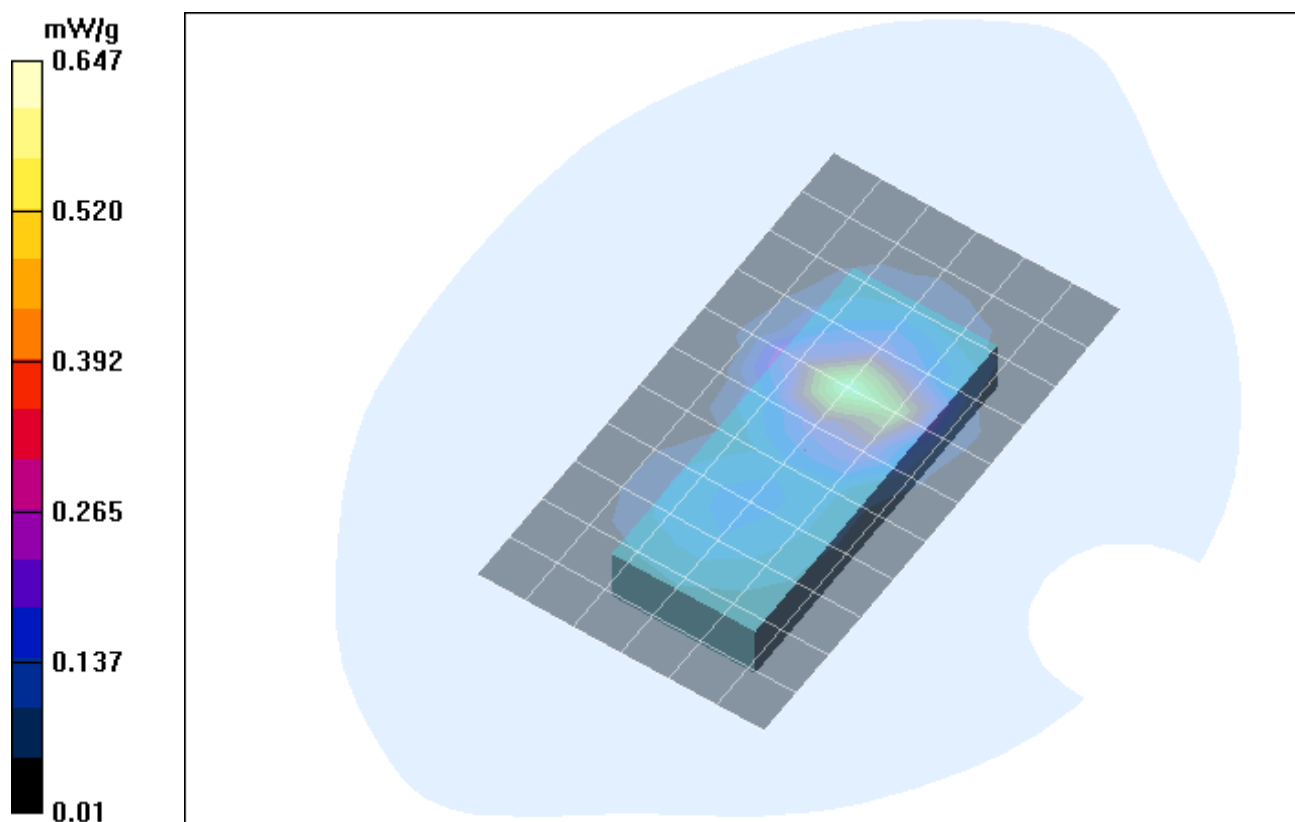


Fig. 12: SAR distribution for PCS 1900, channel 810, body worn configuration, antenna towards the phantom, slider up, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.3° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphl 3 sd ohne 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.54 V/m; Power Drift = -0.080 dB

Peak SAR (extrapolated) = 1.85 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.621 mW/g

Maximum value of SAR (measured) = 1.29 mW/g

Fig. 13: SAR distribution for PCS 1900, channel 512, body worn configuration, antenna towards the phantom, slider down, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphh 3 sd ohne 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.696 mW/g

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

Reference Value = 9.80 V/m; Power Drift = 0.100 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.633 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.711 mW/g

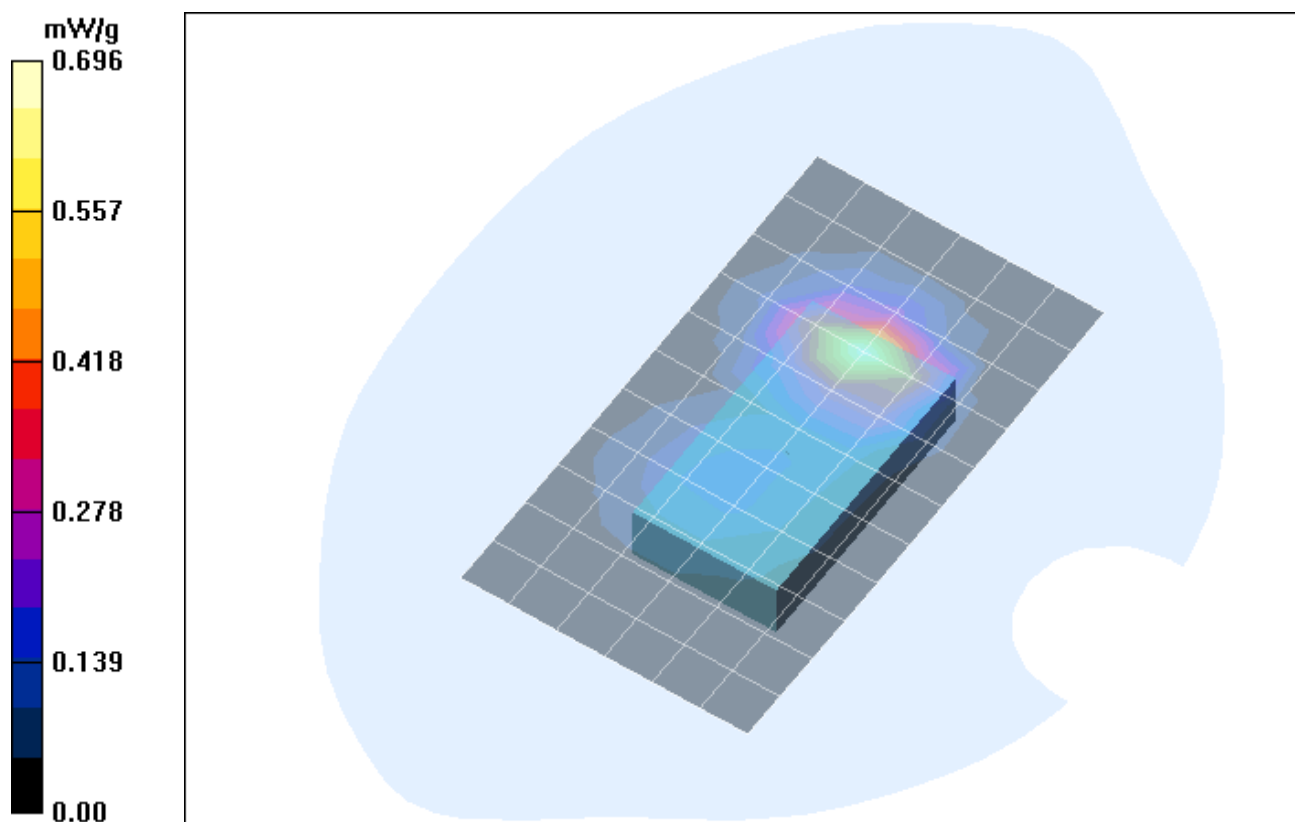


Fig. 14: SAR distribution for PCS 1900, channel 810, body worn configuration, antenna towards the phantom, slider down, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.3° C).

4 SAR Distribution Plots, PCS 1900 Body with headset

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [058bphm_3_su_headset_15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); Type: CF110; Serial: 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.831 mW/g

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

Reference Value = 19.8 V/m; Power Drift = 0.134 dB

Peak SAR (extrapolated) = 1.57 W/kg

SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.499 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

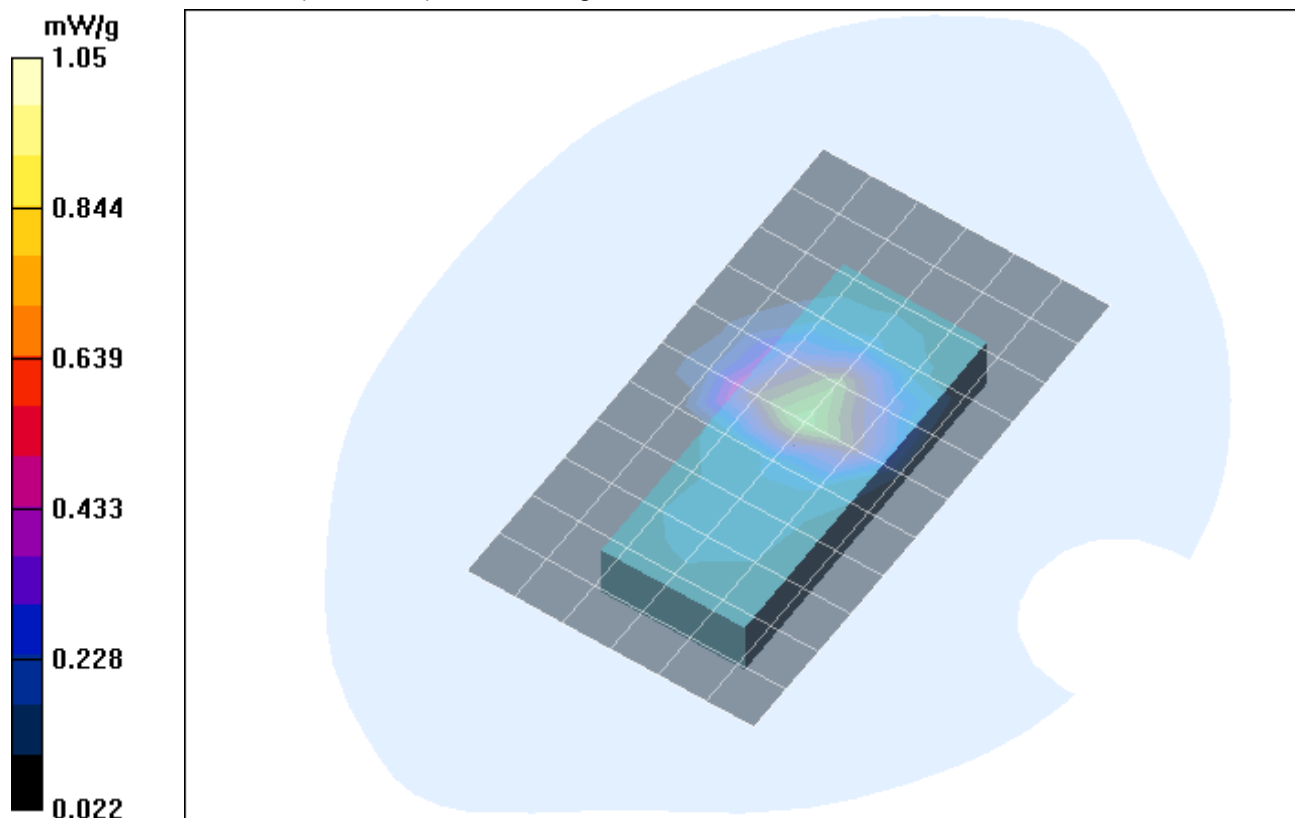


Fig. 15: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, with headset, 15 mm distance (August 19, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.3° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphm 3 sd headset 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.14 mW/g

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

Reference Value = 10.7 V/m; Power Drift = -0.187 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.556 mW/g

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

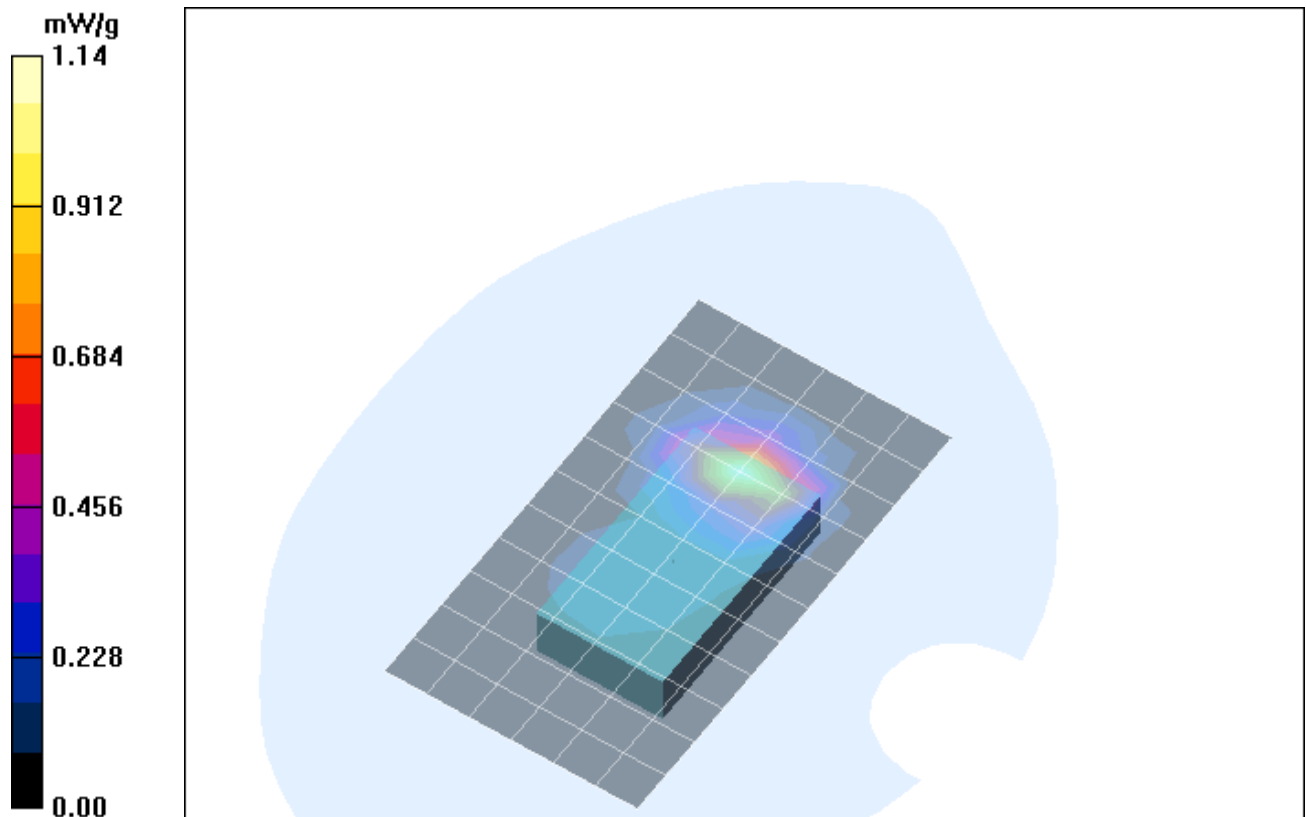


Fig. 16: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, with headset, 15 mm distance (August 19, 2005; Ambient Temperature: 22.1° C; Liquid Temperature: 21.1° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphl 3 su headset 15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.19 mW/g

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

Reference Value = 13.7 V/m; Power Drift = -0.026 dB

Peak SAR (extrapolated) = 1.75 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.589 mW/g

Maximum value of SAR (measured) = 1.23 mW/g

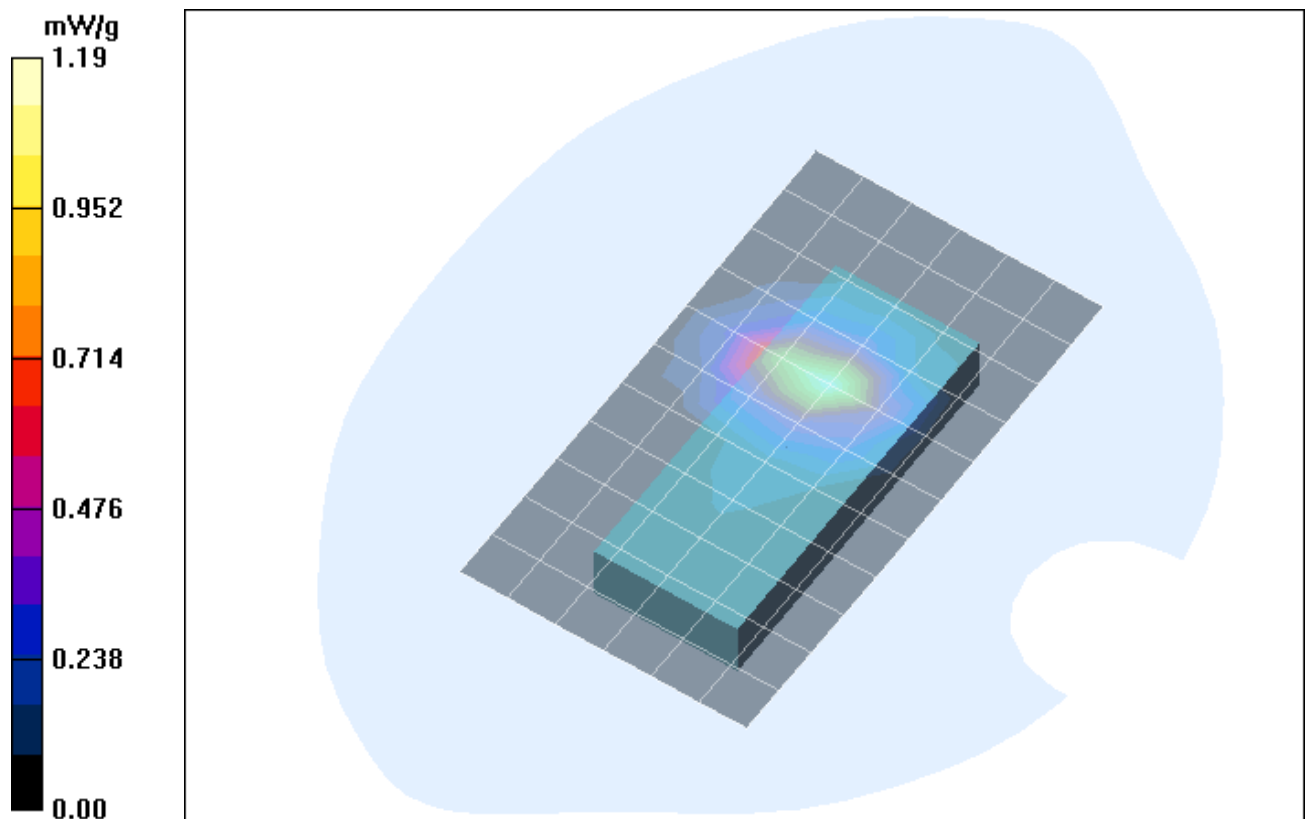


Fig. 17: SAR distribution for PCS 1900, channel 512, body worn configuration, antenna towards the phantom, slider up, with headset, 15 mm distance (August 19, 2005; Ambient Temperature: 22.3° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphh_3_su_headset_15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.595 mW/g

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

Reference Value = 10.4 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.920 W/kg

SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.289 mW/g

Maximum value of SAR (measured) = 0.603 mW/g

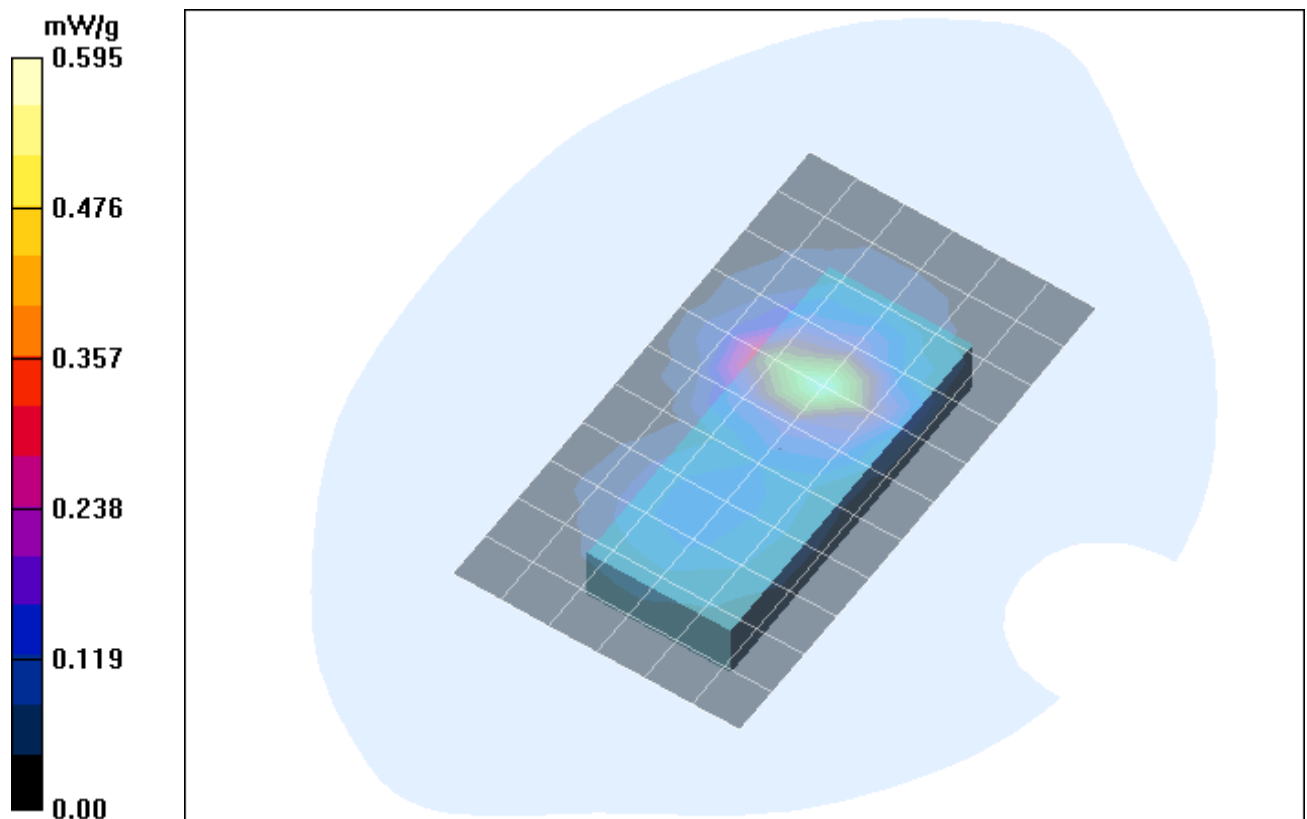


Fig. 18: SAR distribution for PCS 1900, channel 810, body worn configuration, antenna towards the phantom, slider up, with headset, 15 mm distance (August 19, 2005; Ambient Temperature: 22.3° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [058bphl 3 sd headset 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); Type: CF110; Serial: 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.22 mW/g

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

Reference Value = 8.47 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.599 mW/g

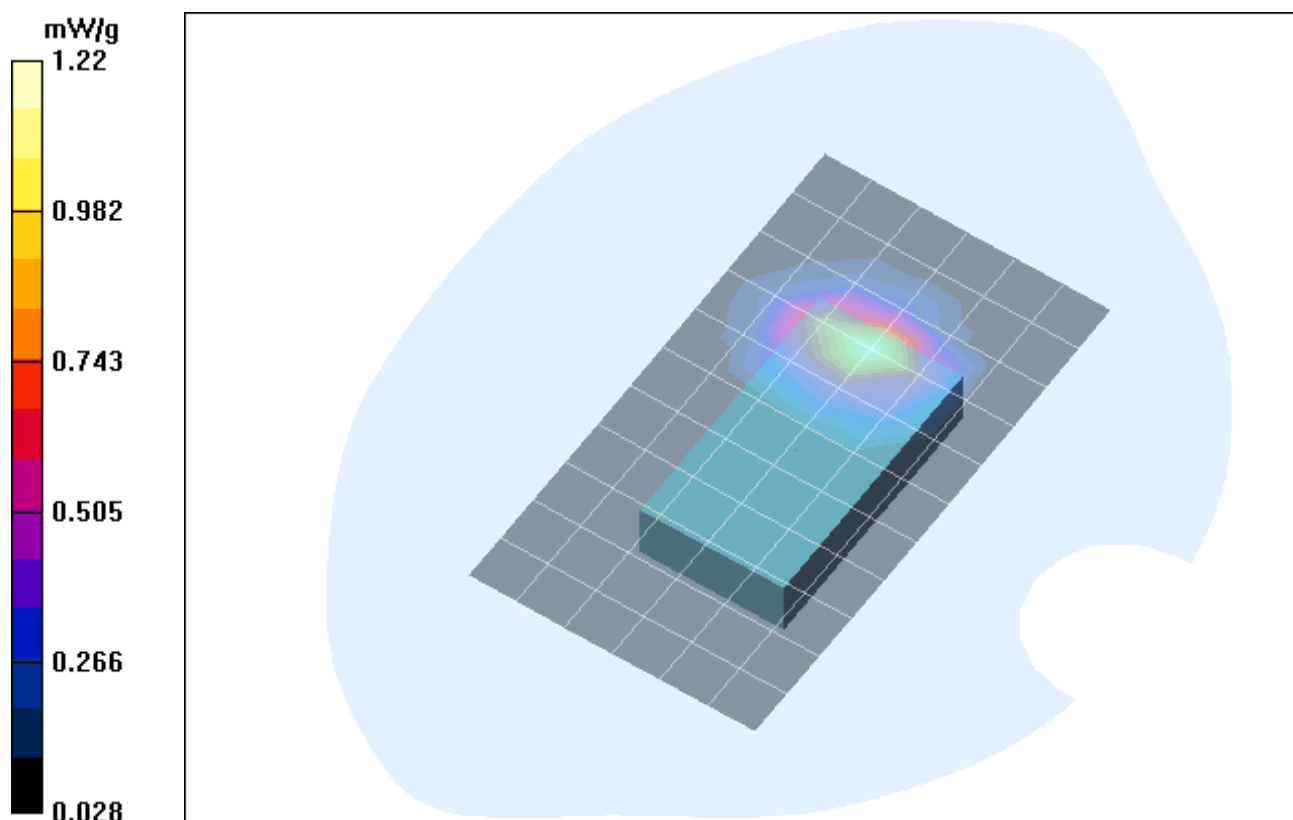


Fig. 19: SAR distribution for PCS 1900, channel 512, body worn configuration, antenna towards the phantom, slider down, with headset, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphh 3 sd headset 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.660 mW/g

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

Reference Value = 9.25 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.687 mW/g

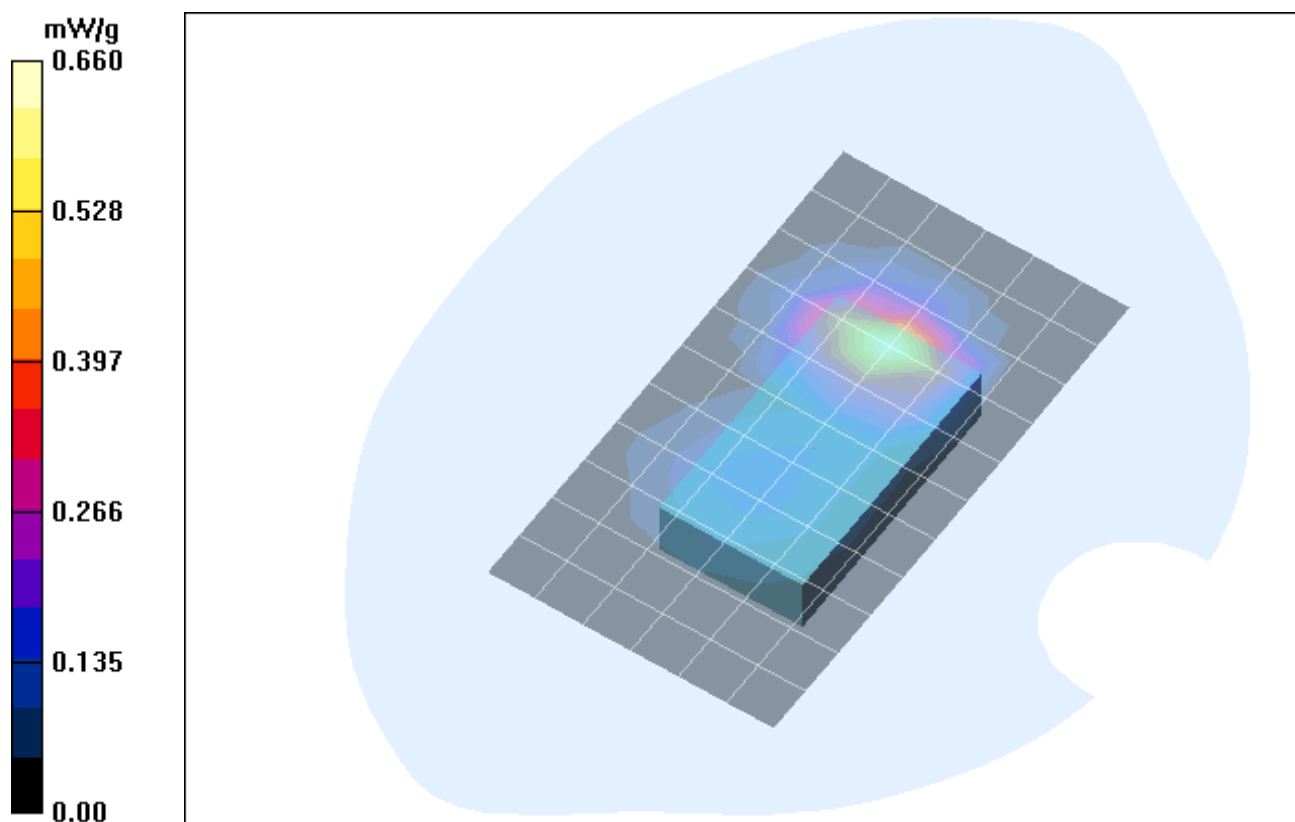


Fig. 20: SAR distribution for PCS 1900, channel 810, body worn configuration, antenna towards the phantom, slider down, with headset, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).

5 SAR Distribution Plots, PCS 1900 Body, GPRS Class 8 with datcable

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [058bphm_3_su_data_15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); Type: CF110; Serial: 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn631; Calibrated: 07.07.2005

- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.899 mW/g

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

Reference Value = 20.6 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.000 mW/g; SAR(10 g) = 0.537 mW/g

Maximum value of SAR (measured) = 1.13 mW/g

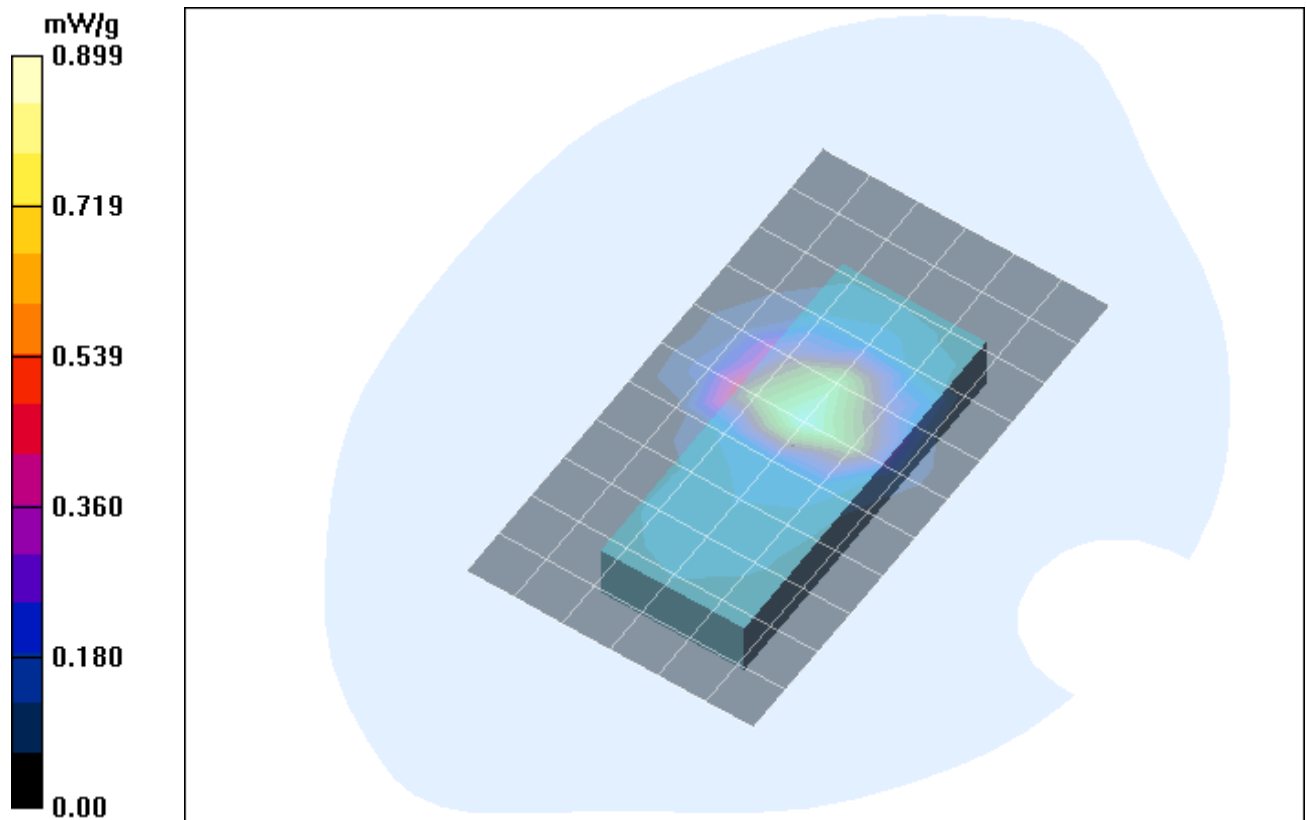


Fig. 21: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, with data cable, 15 mm distance (August 19, 2005; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphm 3 sd data 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 10.5 V/m; Power Drift = 0.2 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.567 mW/g

Maximum value of SAR (measured) = 1.17 mW/g

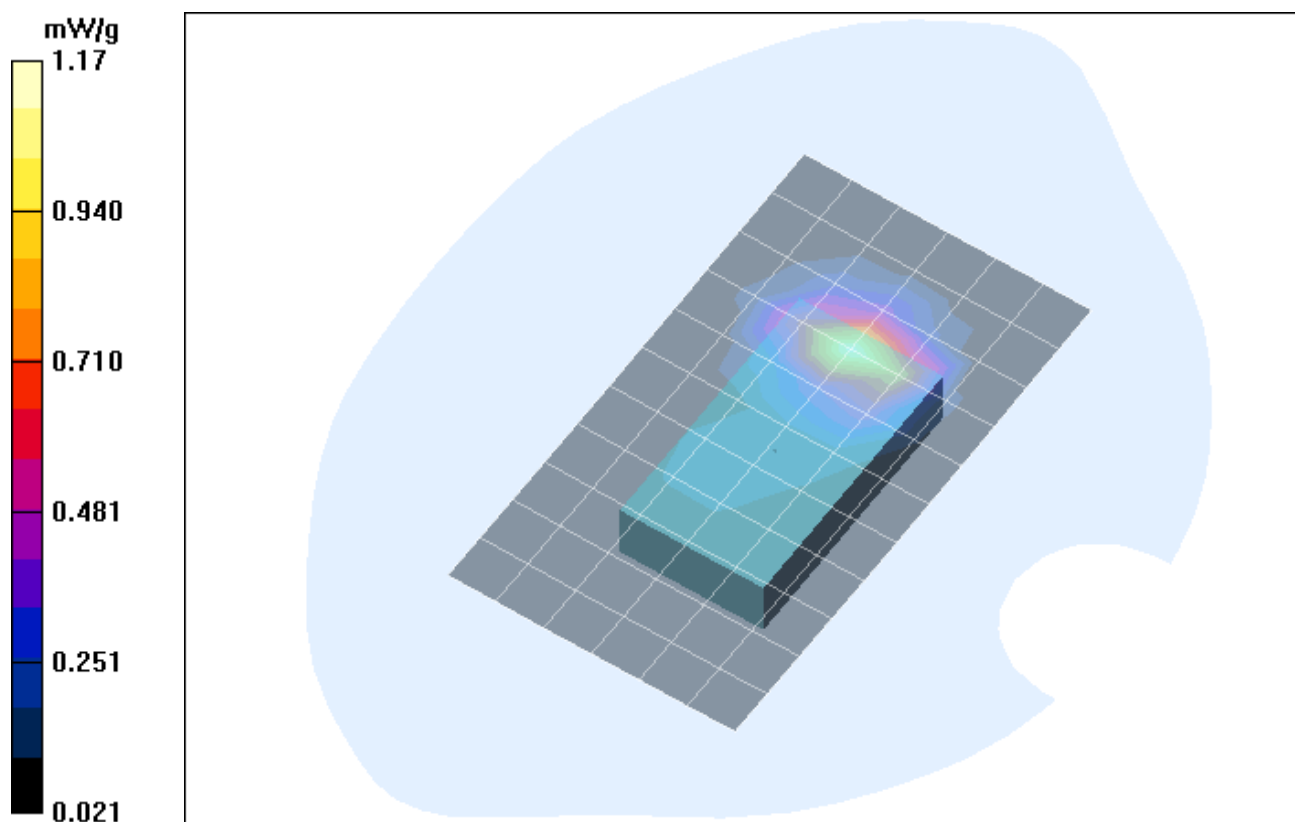


Fig. 22: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, with data cable, 15 mm distance (August 19, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphl 3 su data 15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 13.5 V/m; Power Drift = -0.019 dB

Peak SAR (extrapolated) = 1.83 W/kg

SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.603 mW/g

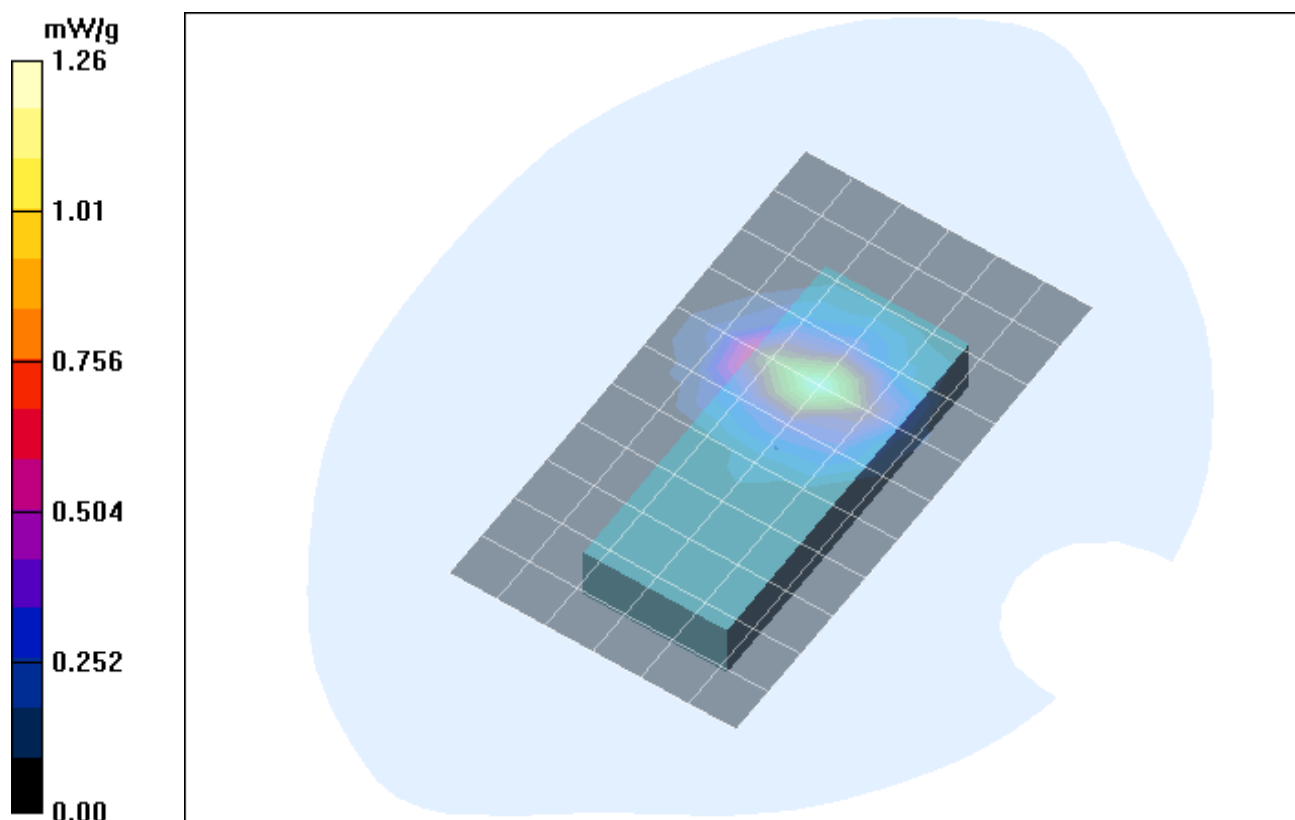


Fig. 23: SAR distribution for GPRS 1900, channel 512, body worn configuration, antenna towards the phantom, slider up, with data cable, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphh 3 su data 15mm.da4](#)

DUT: Siemens Flamingo (Slider Up); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.611 mW/g

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

Reference Value = 10.0 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.550 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.618 mW/g

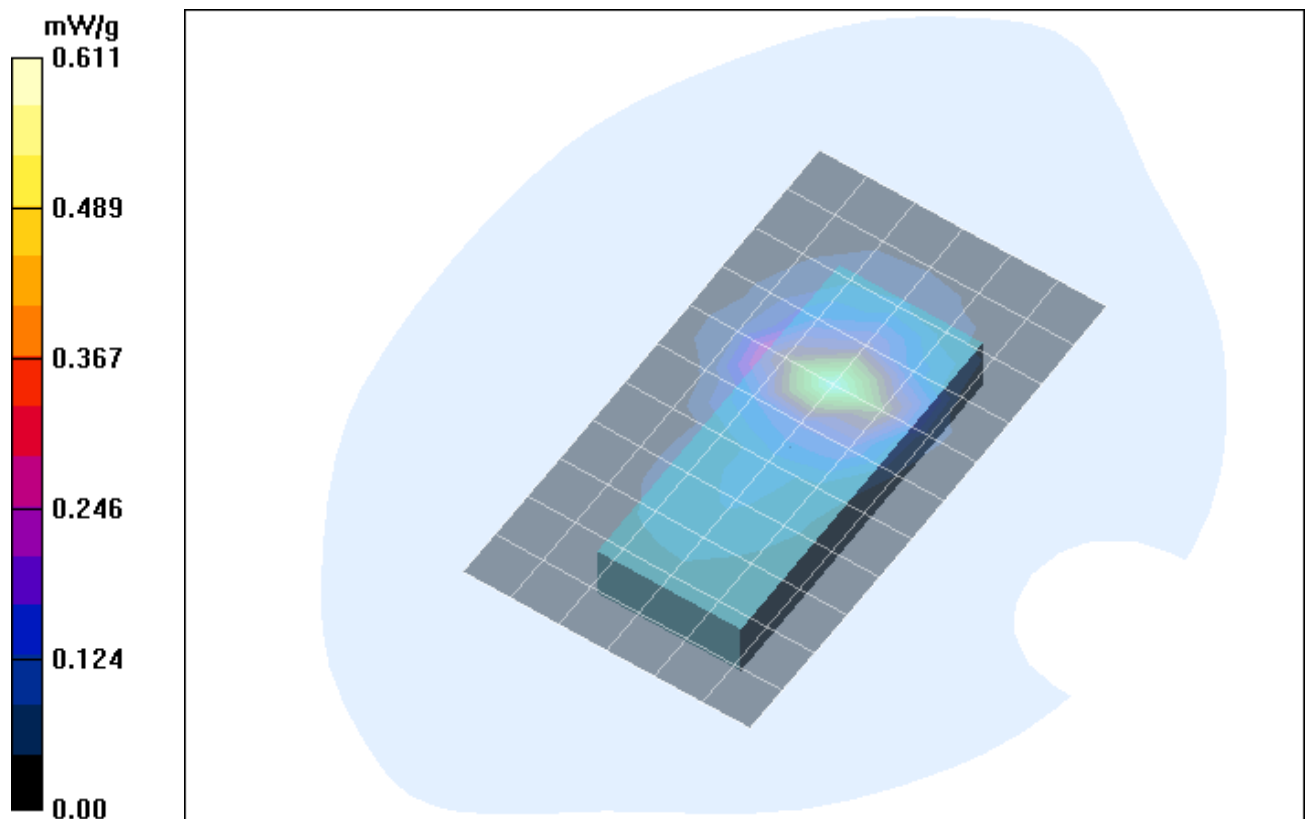


Fig. 24: SAR distribution for GPRS 1900, channel 810, body worn configuration, antenna towards the phantom, slider up, with data cable, 15 mm distance (August 19, 2005; Ambient Temperature: 22.1° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphl 3 sd data 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.17 mW/g

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

Reference Value = 9.29 V/m; Power Drift = -0.097 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 1.19 mW/g

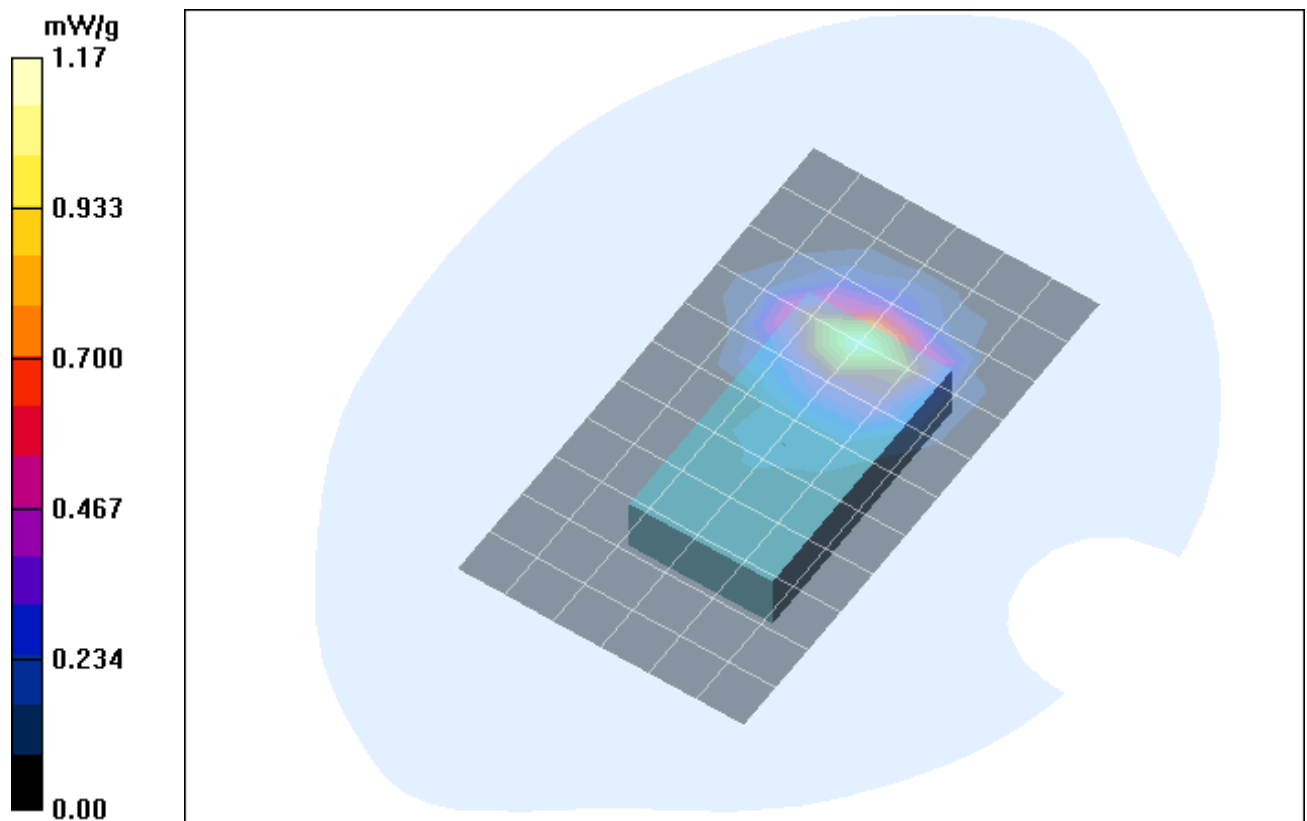


Fig. 25: SAR distribution for GPRS 1900, channel 512, body worn configuration, antenna towards the phantom, slider down, with data cable, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [058bphh 3 sd data 15mm.da4](#)

DUT: Siemens Flamingo (Slider Down); **Type:** CF110; **Serial:** 004400013590058

Program Name: Body Worn

Communication System: GSM 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.69, 4.69, 4.69); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 07.07.2005
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Body Worn/Area Scan (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.663 mW/g

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

Reference Value = 10.5 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.340 mW/g

Maximum value of SAR (measured) = 0.689 mW/g

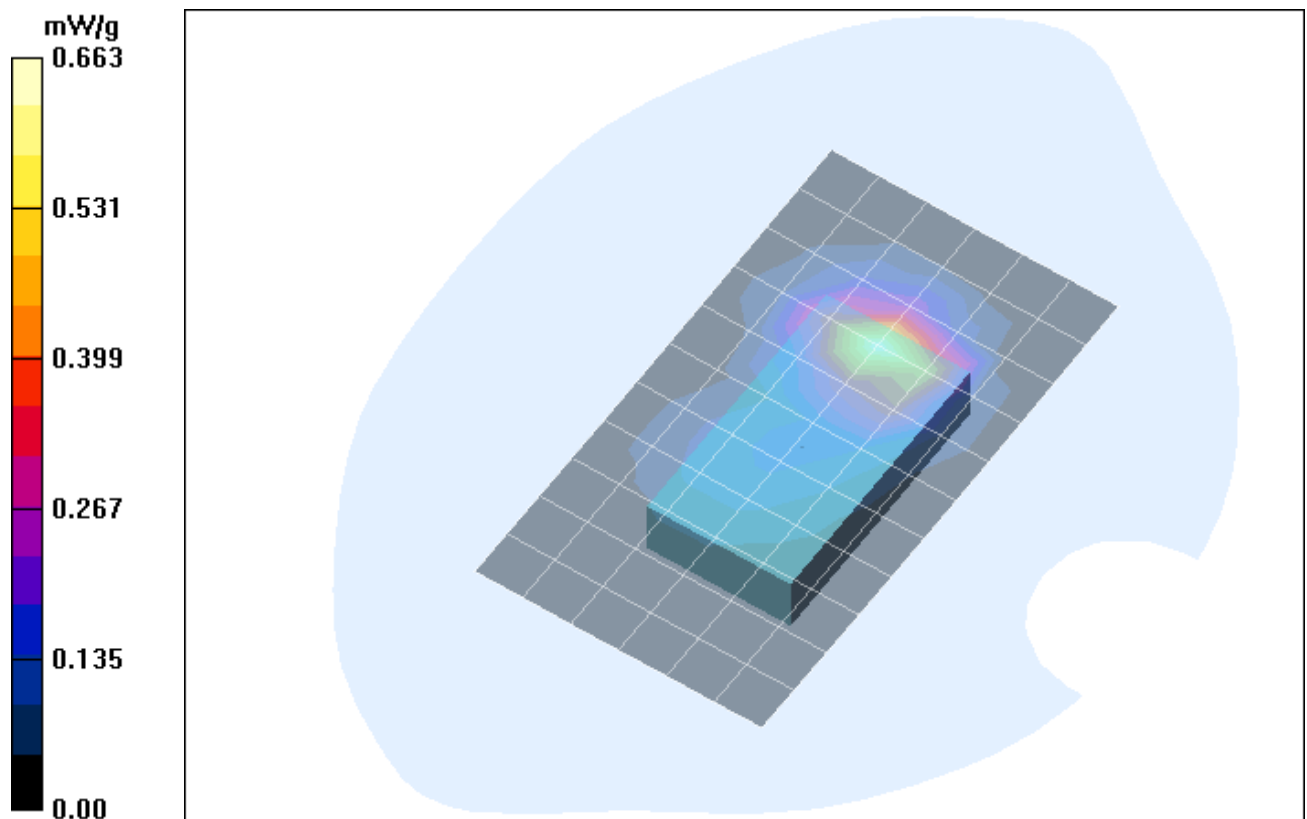


Fig. 26: SAR distribution for GPRS 1900, channel 810, body worn configuration, antenna towards the phantom, slider down, with data cable, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).

6 SAR z-axis scans (Validation)

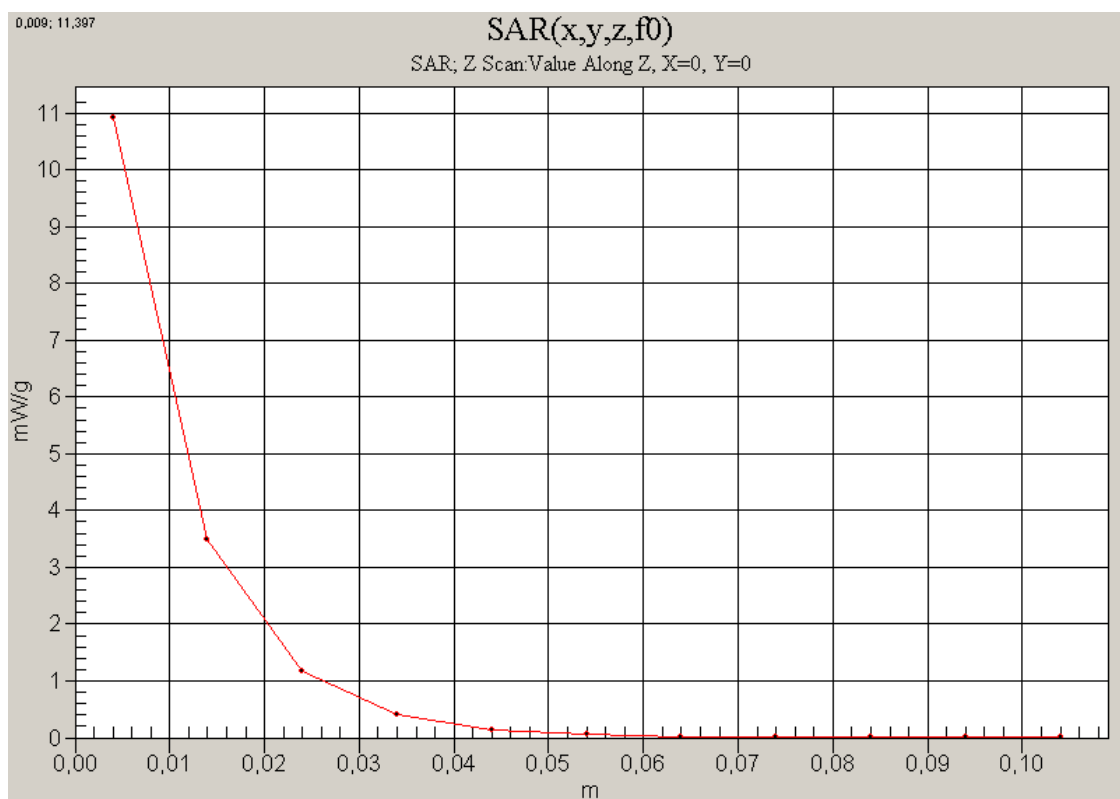


Fig. 27: SAR versus liquid depth, 1900 MHz, head (August 08, 2005; Ambient Temperature: 22.0° C; Liquid Temperature : 21.0° C).

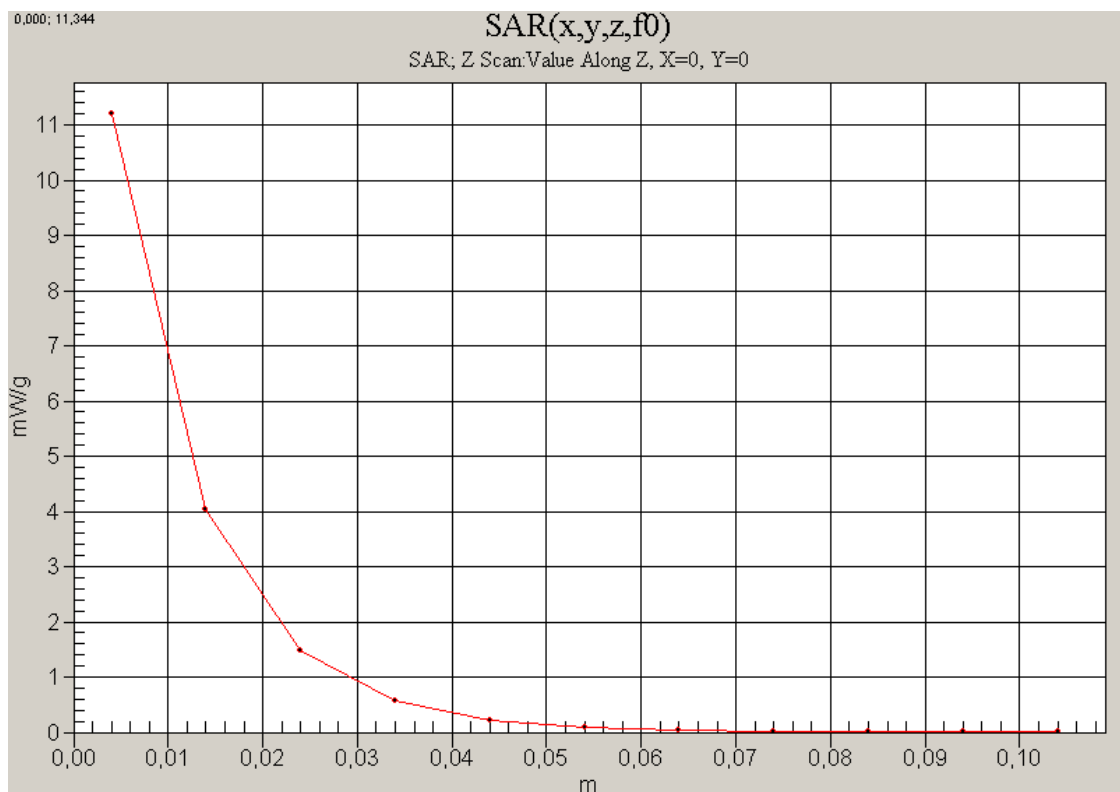


Fig. 28: SAR versus liquid depth, 1900 MHz, body (August 19, 2005; Ambient Temperature: 22.0° C; Liquid Temperature : 21.0° C).

7 SAR z-axis scans (Measurements)

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

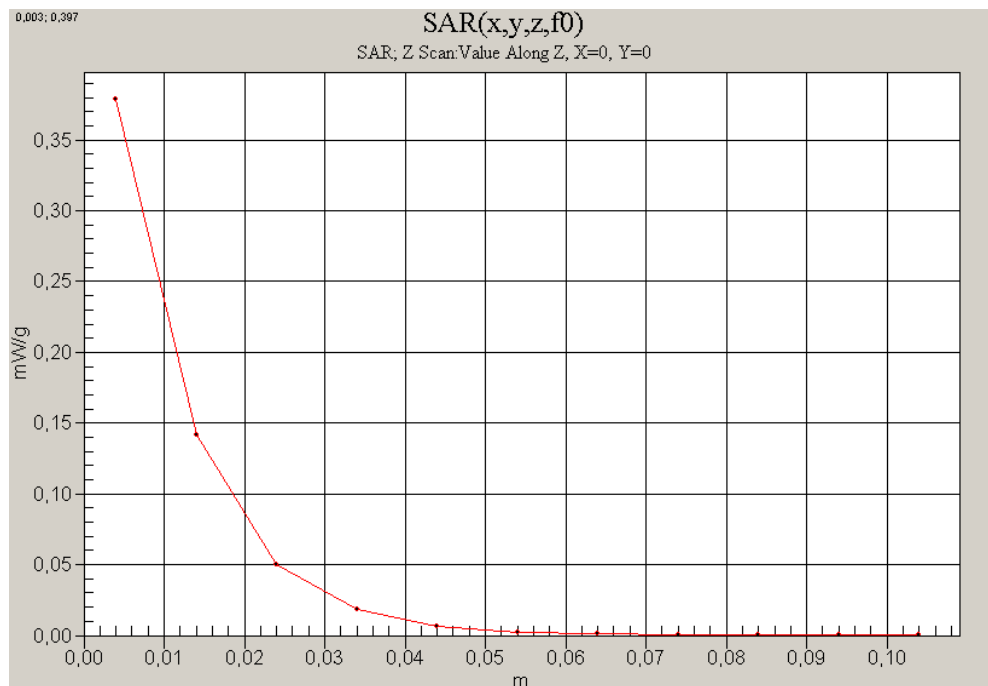


Fig. 29: SAR versus liquid depth, head: PCS 1900, channel 661, tilted position, right side of head, slider down (August 08, 2005; Ambient Temperature: 21.7° C; Liquid Temperature : 20.2° C).

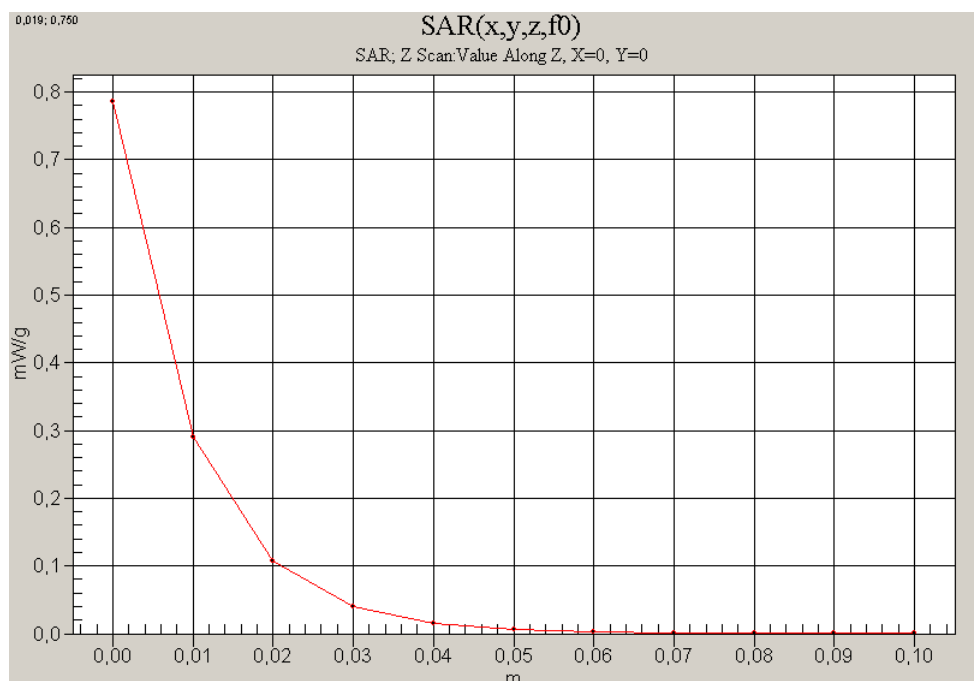


Fig. 30: SAR versus liquid depth, body: PCS 1900, channel 512, body worn configuration, antenna towards the phantom, slider up, without accessory, 15 mm distance (August 19, 2005; Ambient Temperature: 22.2° C; Liquid Temperature: 21.2° C).