
Appendix for the Report

Dosimetric Assessment of the Siemens SL75 (FCC ID: PWX-SL75)

According to the FCC Requirements

SAR Distribution Plots

September 08, 2005
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1 SAR Distribution Plots, PCS 1900 Head slider up

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [143bplm_1_su.da4](#)

DUT: Siemens ; Type: SL75; Serial: 004400009254143

Program Name: Cheek Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.150 mW/g

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

Reference Value = 9.18 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.157 mW/g

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

Reference Value = 9.18 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.137 mW/g

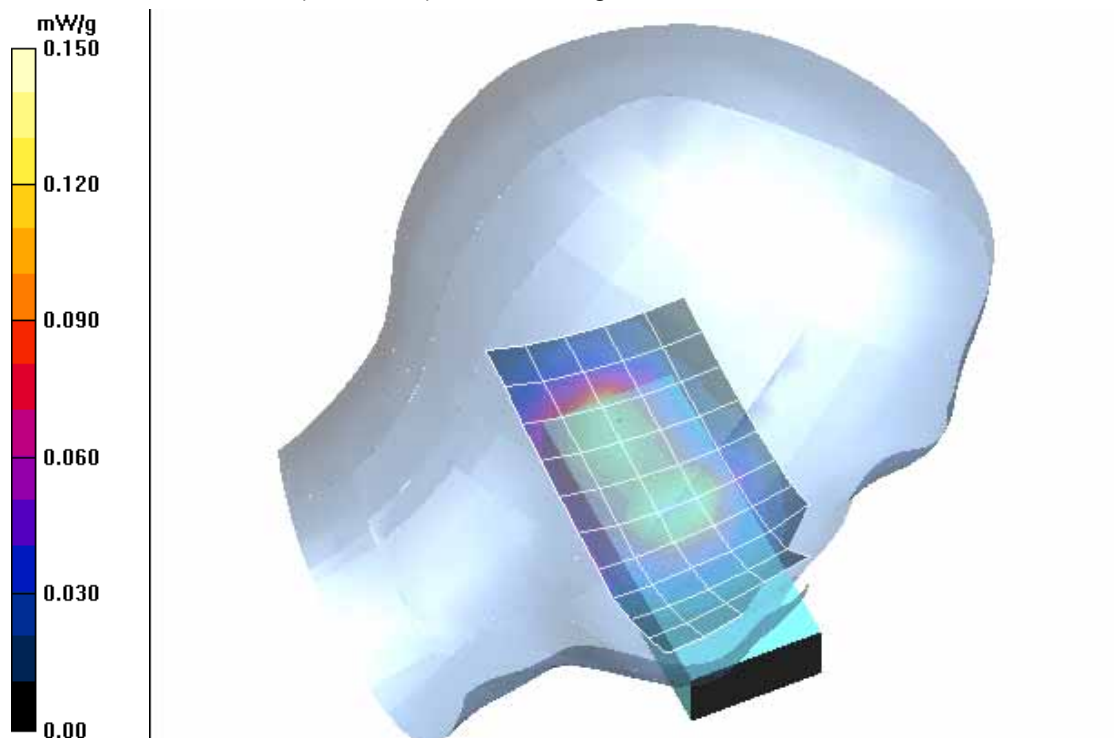


Fig. 1: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (September 05, 2005; Ambient Temperature: 22.3°C; Liquid Temperature: 20.9°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [143bplm 2 su.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Tilted Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.154 mW/g

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

Reference Value = 9.69 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.155 mW/g

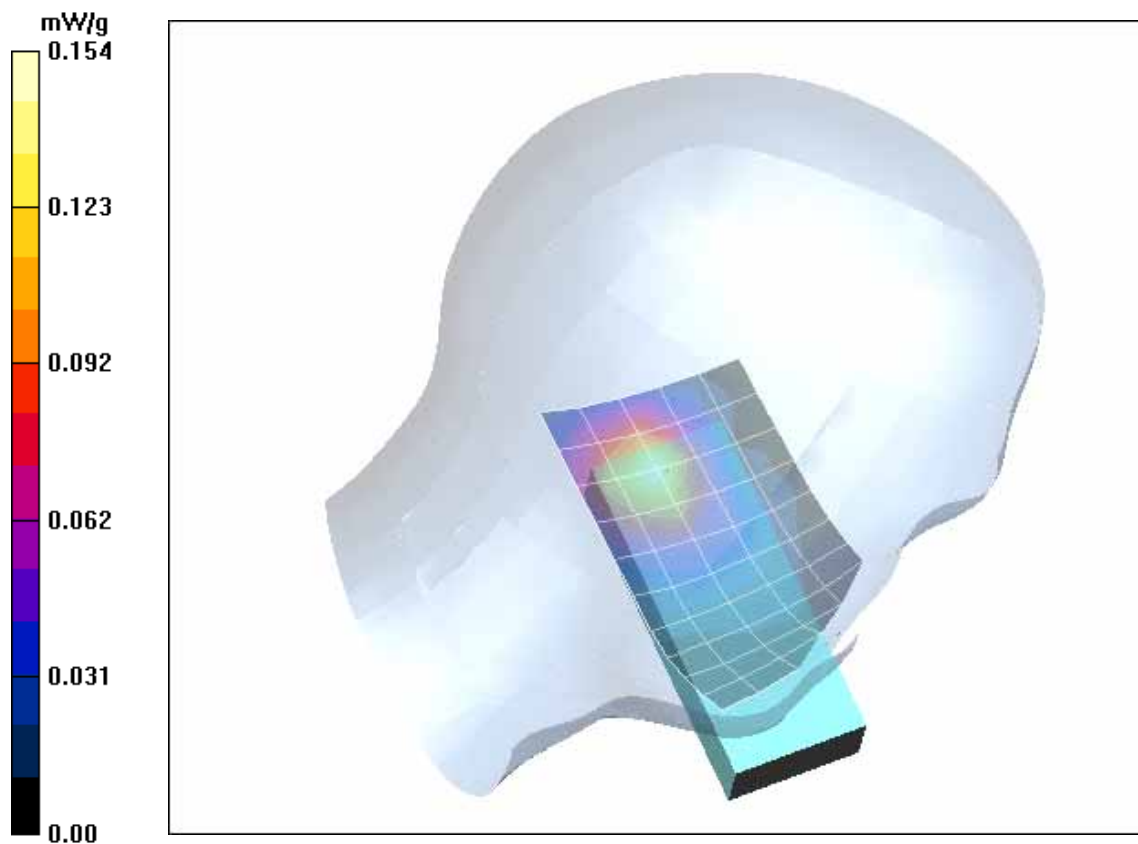


Fig. 2: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (September 05, 2005; Ambient Temperature: 22.3° C; Liquid Temperature : 20.9° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [143bprm 1 su.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Cheek Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.153 mW/g

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

Reference Value = 8.74 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.172 mW/g

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

Reference Value = 8.74 V/m; Power Drift = 0.022 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.136 mW/g

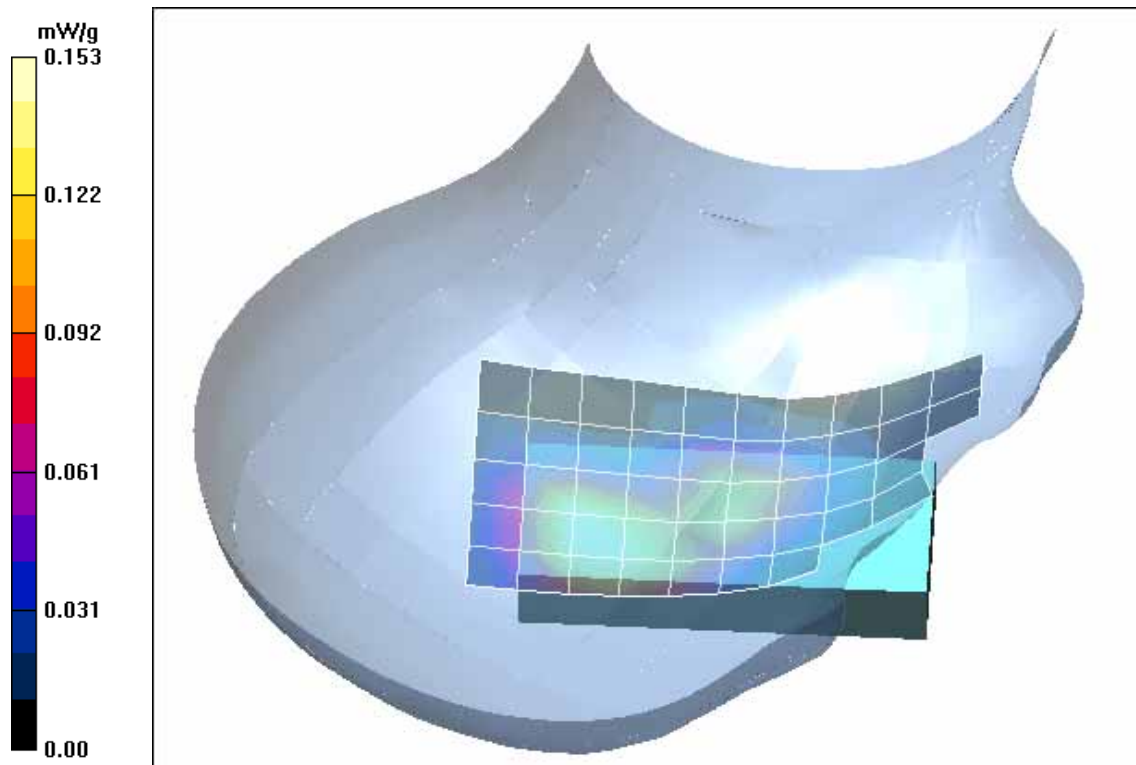


Fig. 3: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (September 05, 2005; Ambient Temperature: 22.3° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [143bprm 2 su.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Tilted Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.173 mW/g

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

Reference Value = 10.2 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.280 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.197 mW/g

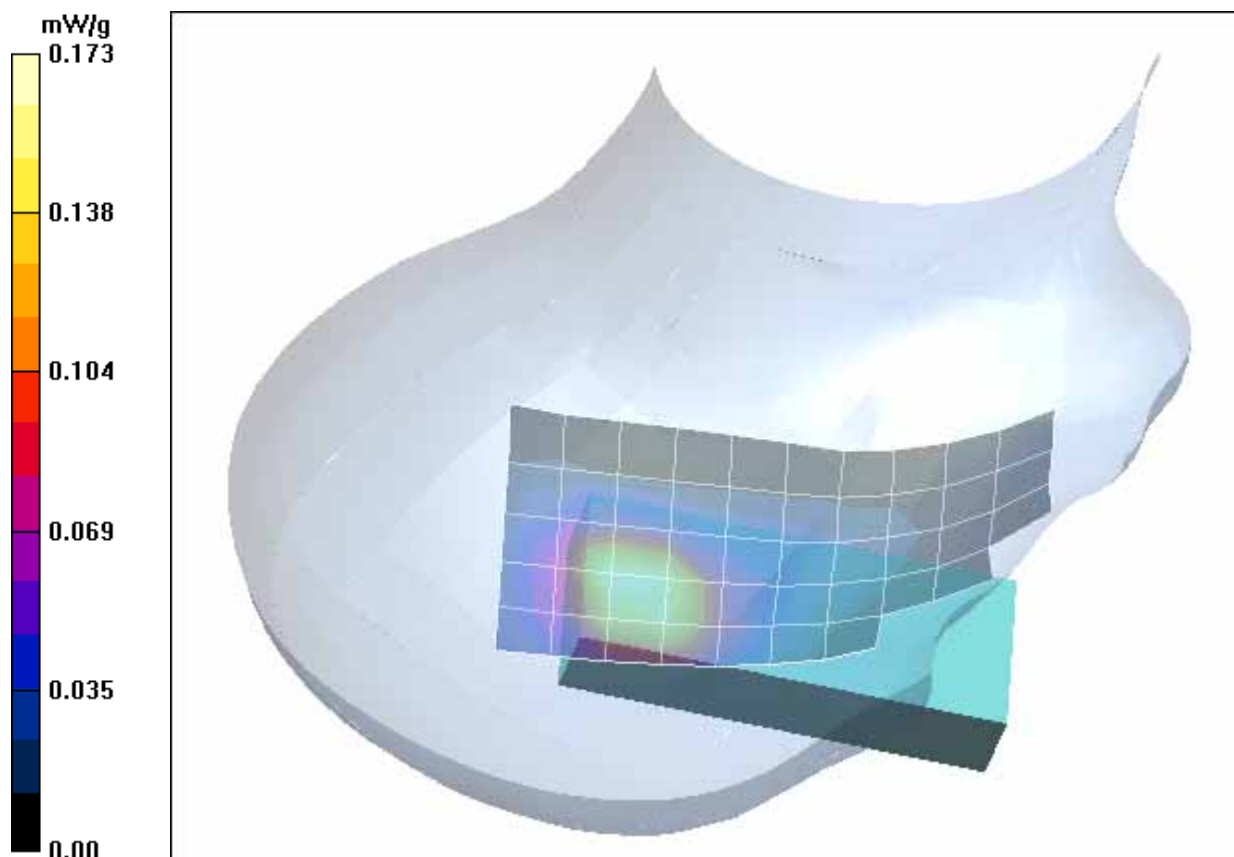


Fig. 4: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (September 05, 2005; Ambient Temperature: 22.3 °C; Liquid Temperature : 21.0° C)

2 SAR Distribution Plots, PCS 1900 Head slider down

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [143bplm_1_sd.da4](#)

DUT: Siemens ; Type: SL75; Serial: 004400009254143

Program Name: Cheek Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.149 mW/g

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

Reference Value = 9.94 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.217 W/kg

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.166 mW/g

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

Reference Value = 9.94 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.257 W/kg

SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.077 mW/g

Maximum value of SAR (measured) = 0.142 mW/g

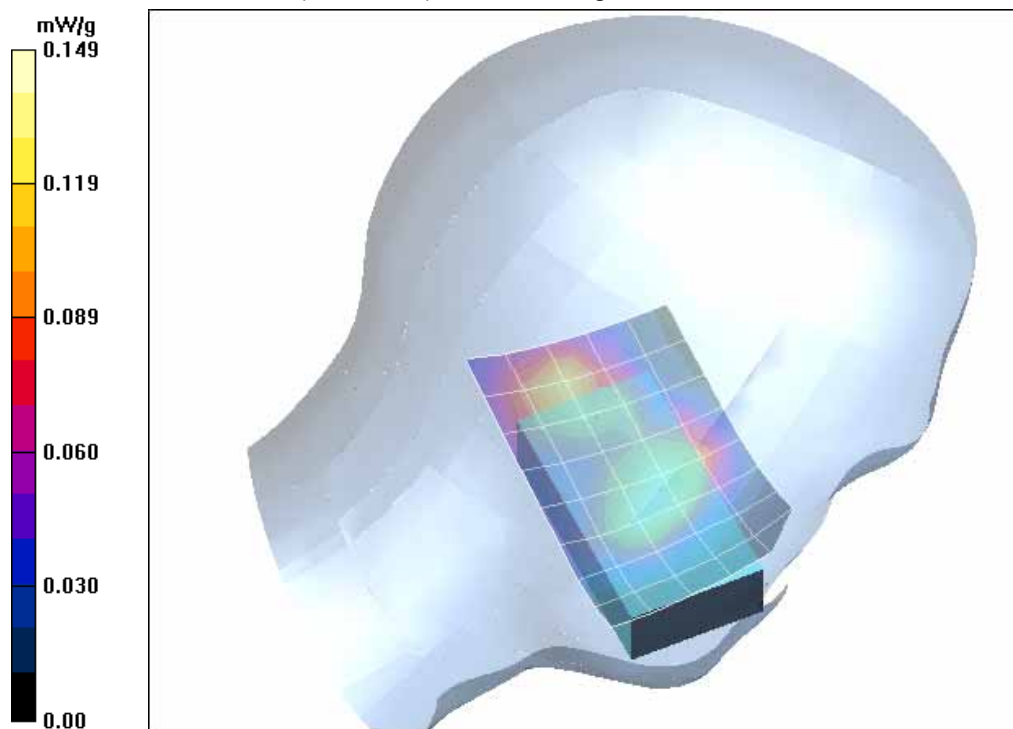


Fig. 5: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (September 05, 2005; Ambient Temperature: 22.4° C; Liquid Temperature : 20.9° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [143bplm 2_sd.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Tilted Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.136 mW/g

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

Reference Value = 9.39 V/m; Power Drift = 0.124 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.156 mW/g

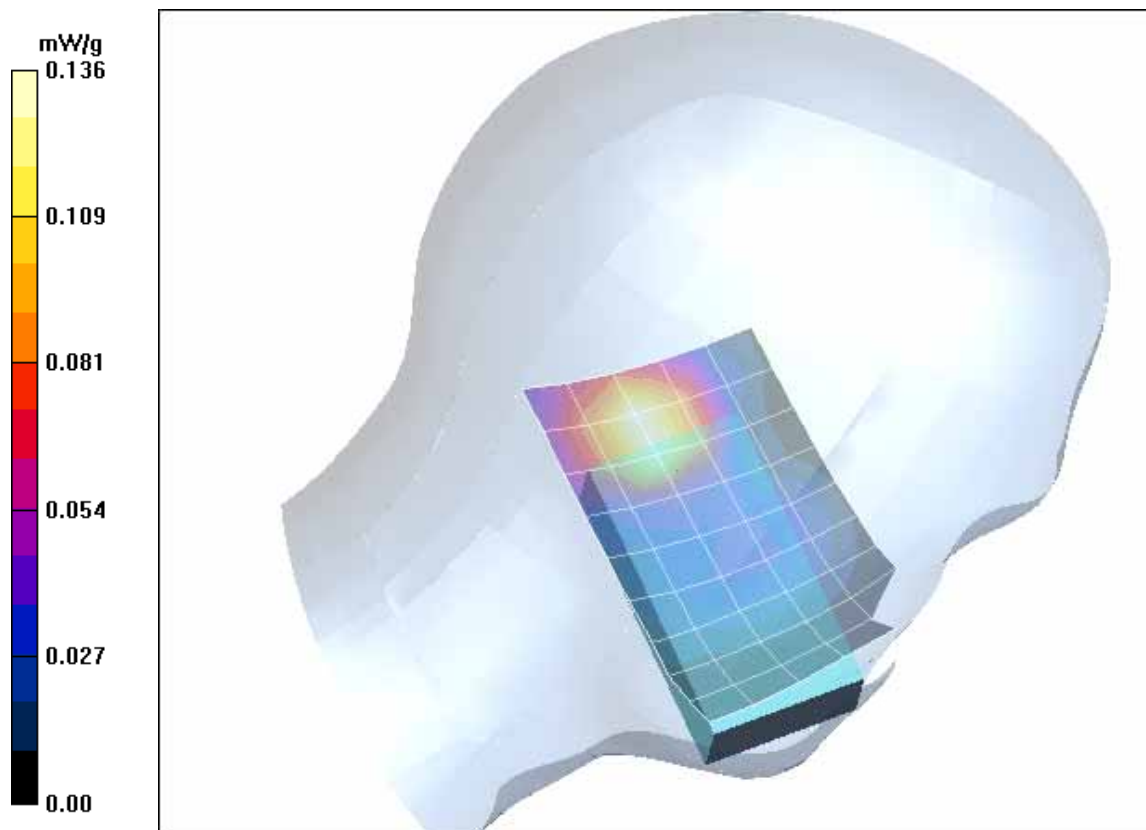


Fig. 6: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (September 05, 2005; Ambient Temperature: 22.4° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [143bprm 1 sd.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Cheek Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.194 mW/g

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

Reference Value = 9.25 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.228 mW/g

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

Reference Value = 9.25 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.179 mW/g

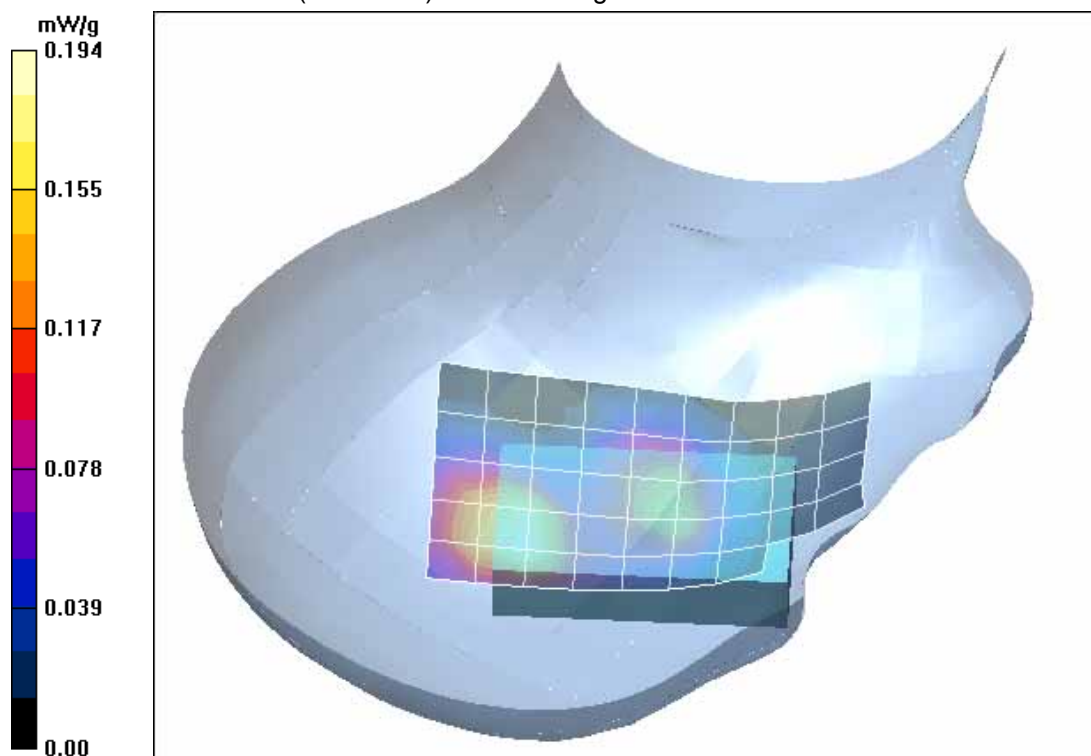


Fig. 7: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (September 05, 2005; Ambient Temperature: 22.3° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [143bprm 2 sd.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Tilted Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.47$ mho/m; $\epsilon_r = 41.6$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(5.28, 5.28, 5.28); 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

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

Maximum value of SAR (measured) = 0.186 mW/g

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

Reference Value = 9.54 V/m; Power Drift = -0.062 dB

Peak SAR (extrapolated) = 0.300 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.221 mW/g

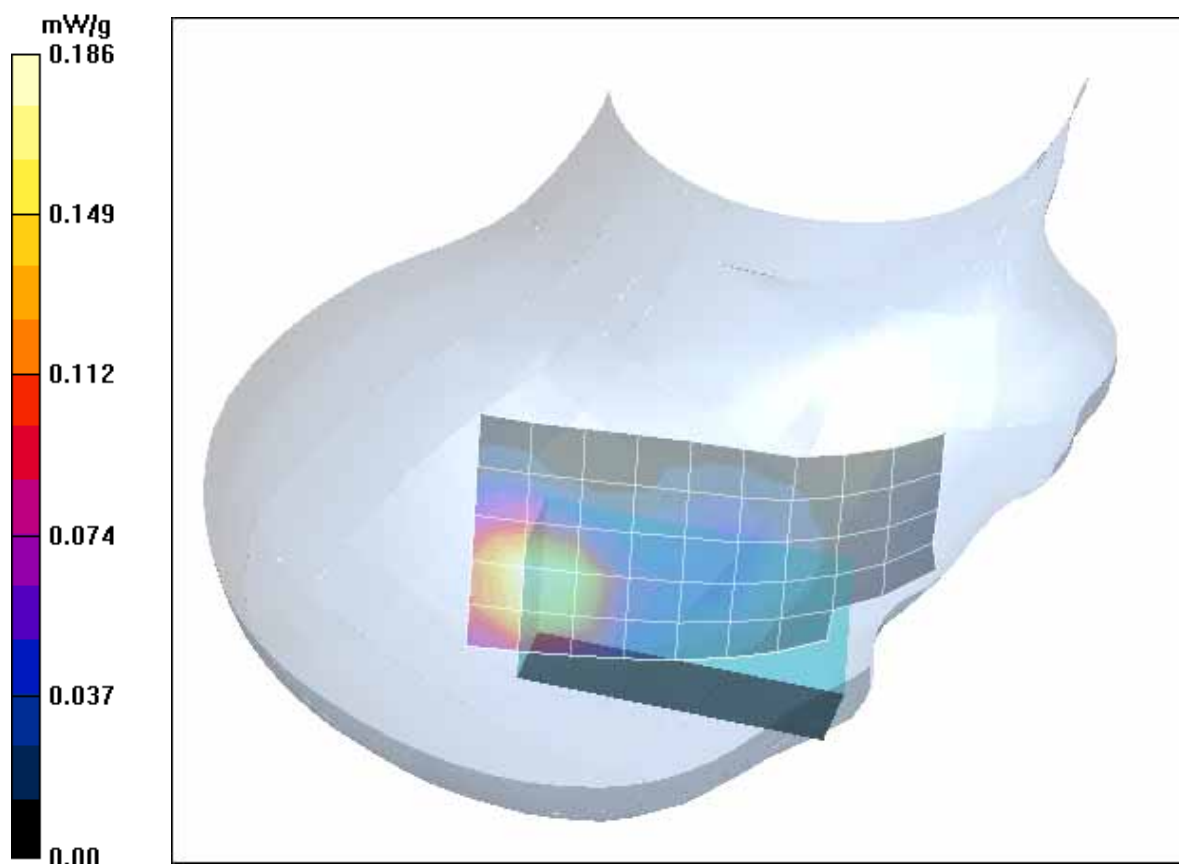


Fig. 8: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (September 05, 2005; Ambient Temperature: 22.4 °C; Liquid Temperature : 21.0° C)

3 SAR Distribution Plots, PCS 1900 Body, GSM mode, without accessory

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm_3_su_15mm_ohne.da4](#)

DUT: Siemens ; Type: SL75 Slider Up; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.690 mW/g

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

Reference Value = 8.73 V/m; Power Drift = -0.2 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.754 mW/g; SAR(10 g) = 0.403 mW/g

Maximum value of SAR (measured) = 0.840 mW/g

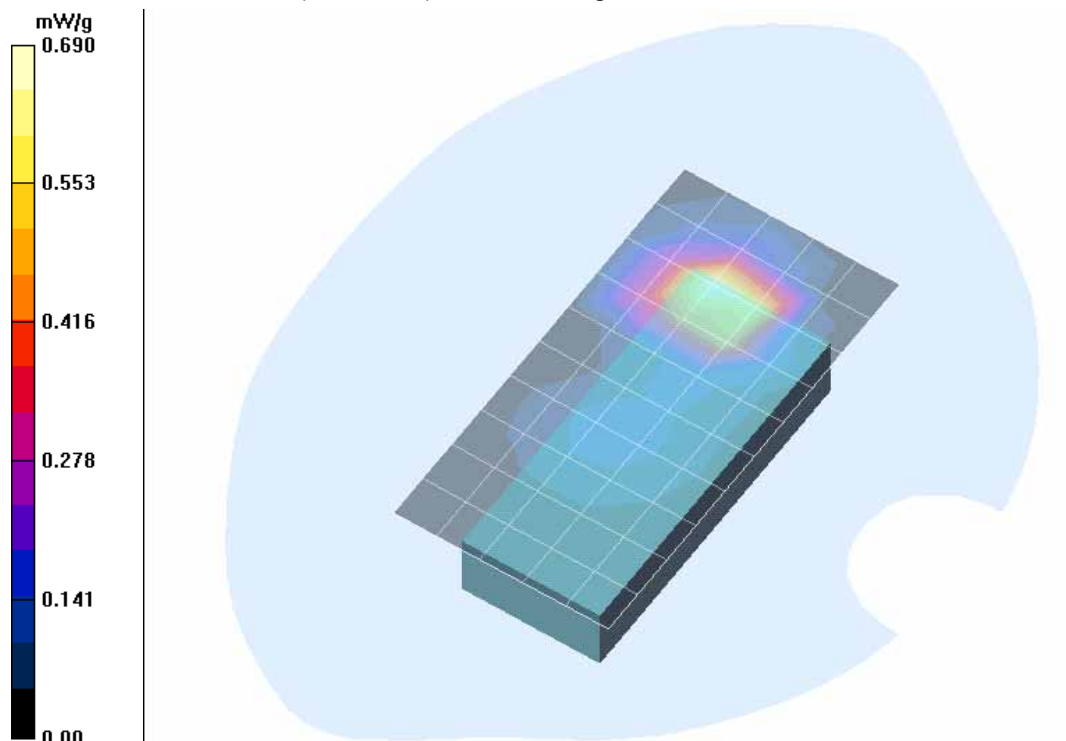


Fig. 9: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, 15mm distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 20.9° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm 3 sd 15mm ohne.da4](#)

DUT: Siemens ; Type: SL75; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.778 mW/g

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

Reference Value = 9.44 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.407 mW/g

Maximum value of SAR (measured) = 0.835 mW/g

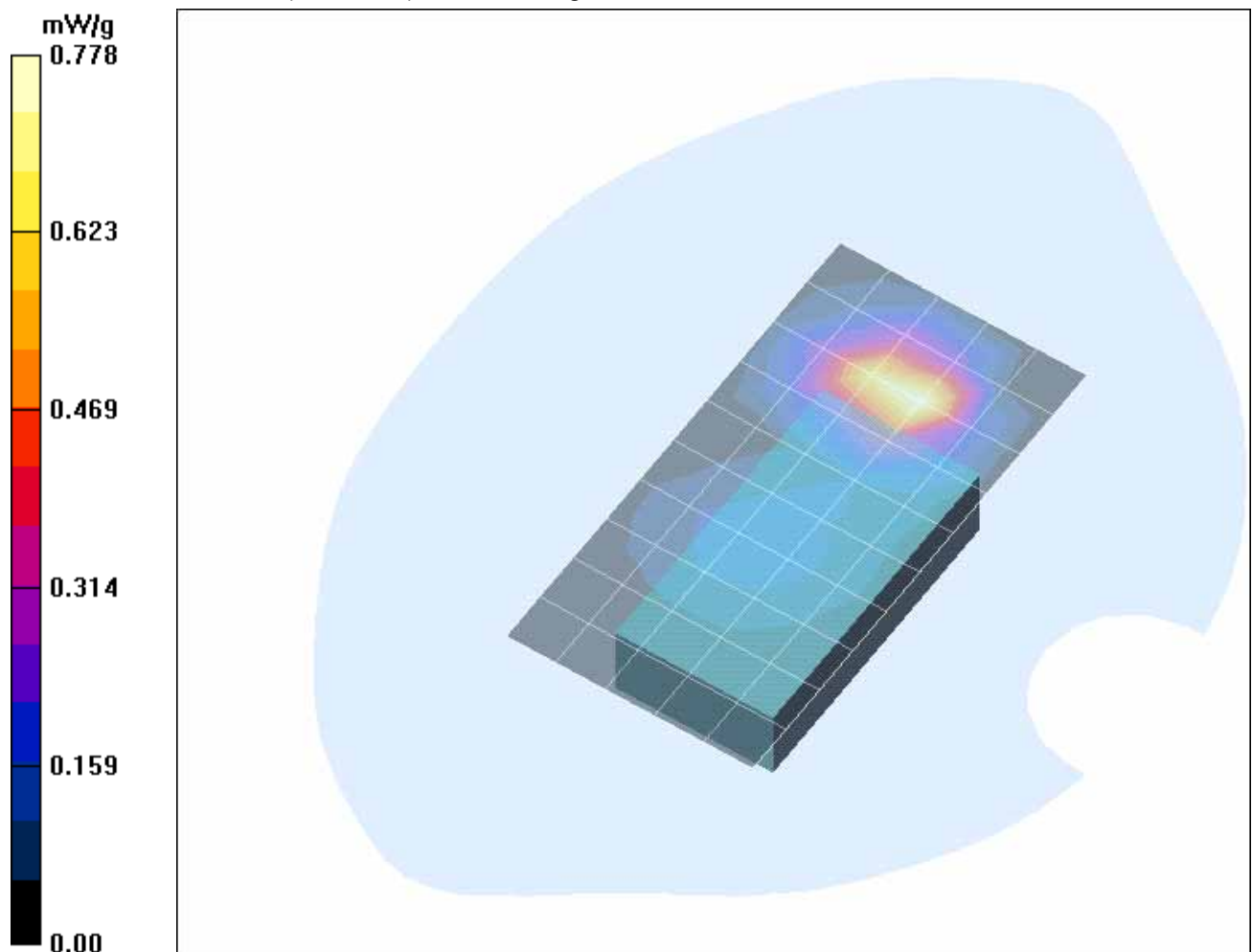


Fig. 10: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, 15mm distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

4 SAR Distribution Plots, PCS 1900 Body with headset

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm_4_su_15mm_headset.da4](#)

DUT: Siemens ; Type: SL75 Slider Up; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.702 mW/g

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

Reference Value = 8.62 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 1.30 W/kg

SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.401 mW/g

Maximum value of SAR (measured) = 0.838 mW/g

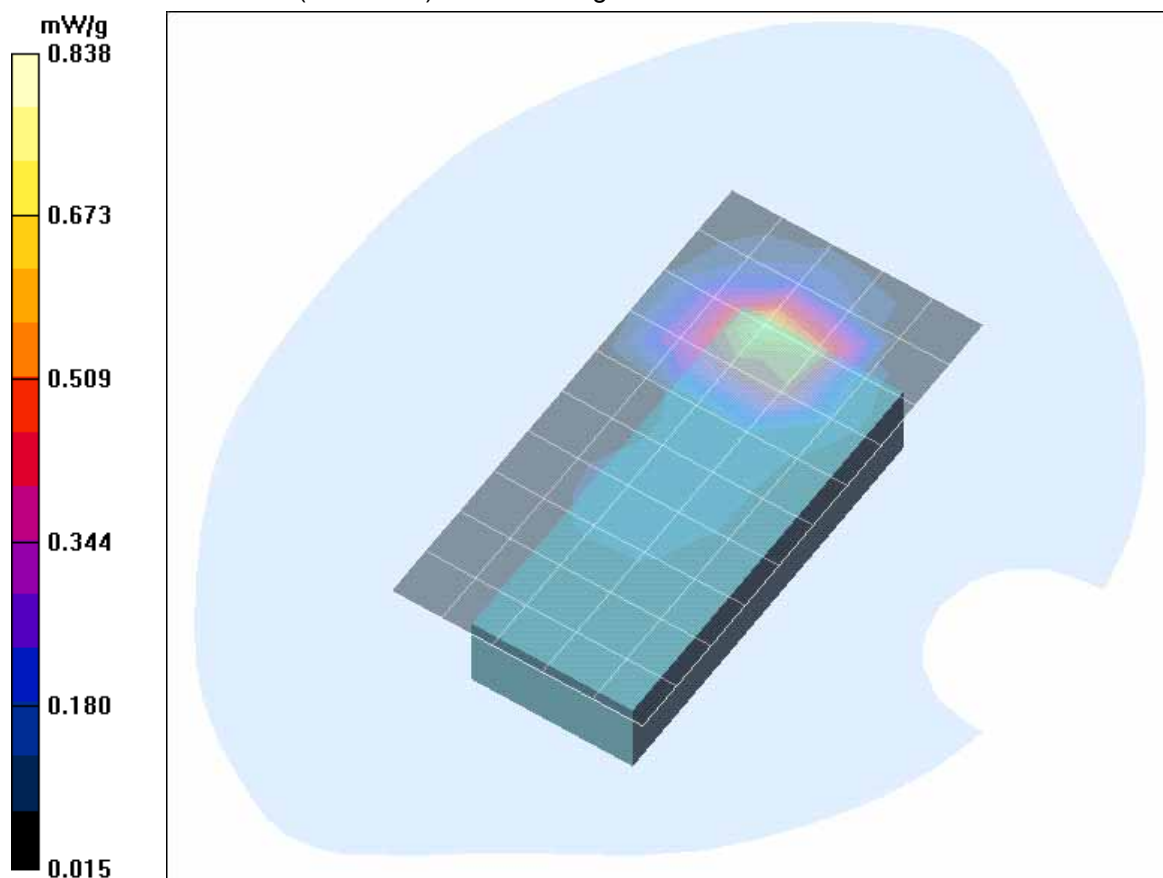


Fig. 11: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, 15mm distance (September 06, 2005; Ambient Temperature: 21.9° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm 3 sd 15mm headset.da4](#)

DUT: Siemens ; Type: SL75; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.780 mW/g

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

Reference Value = 9.47 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.399 mW/g

Maximum value of SAR (measured) = 0.824 mW/g

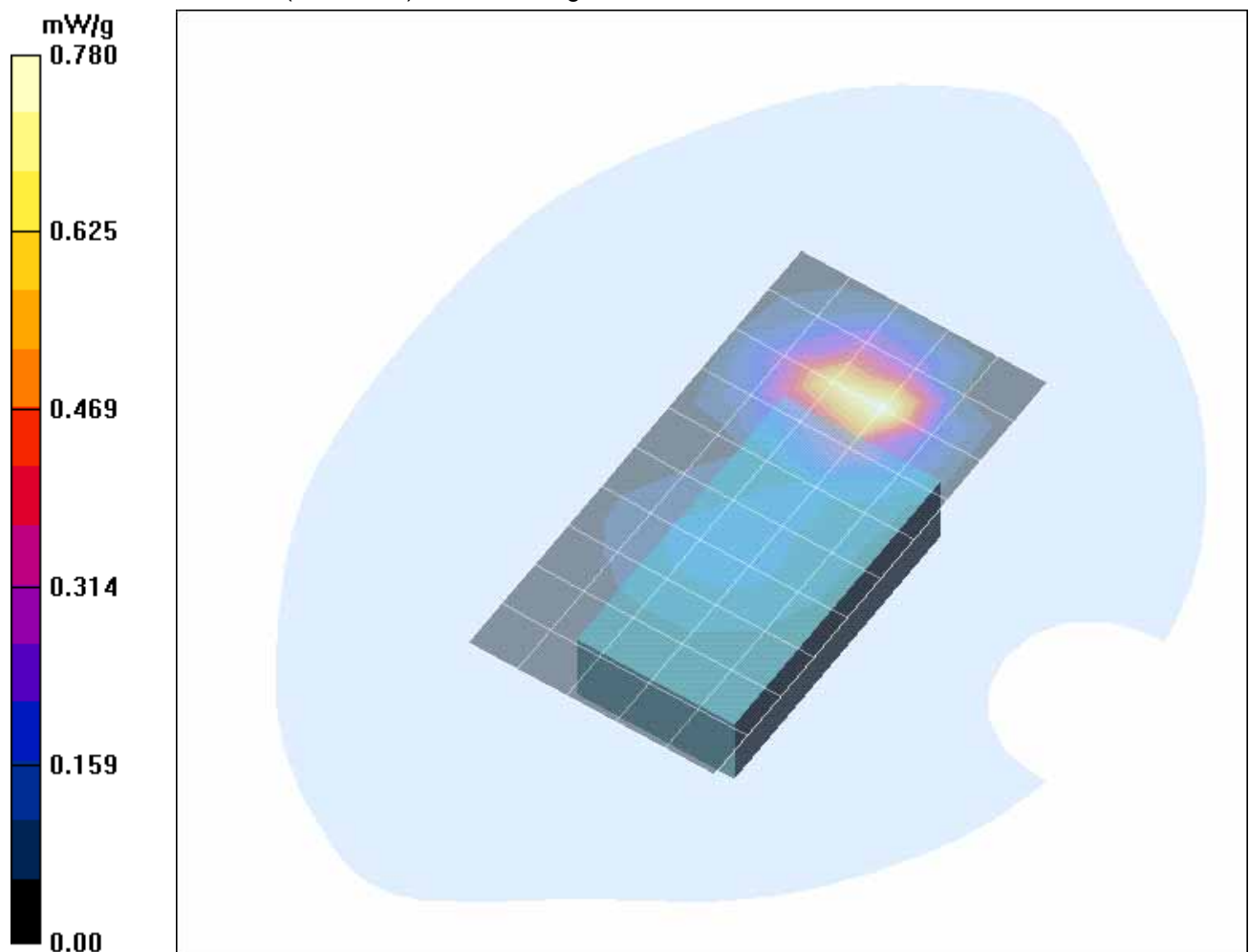


Fig. 12: SAR distribution for PCS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, 15mm distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 20.9° C).

5 SAR Distribution Plots, GPRS 1900 (Class 10) Body, without accessory

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm_8_su_20mm_ohne.da4](#)

DUT: Siemens ; Type: SL75 Slider Up; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.581 mW/g

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

Reference Value = 9.02 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.358 mW/g

Maximum value of SAR (measured) = 0.685 mW/g

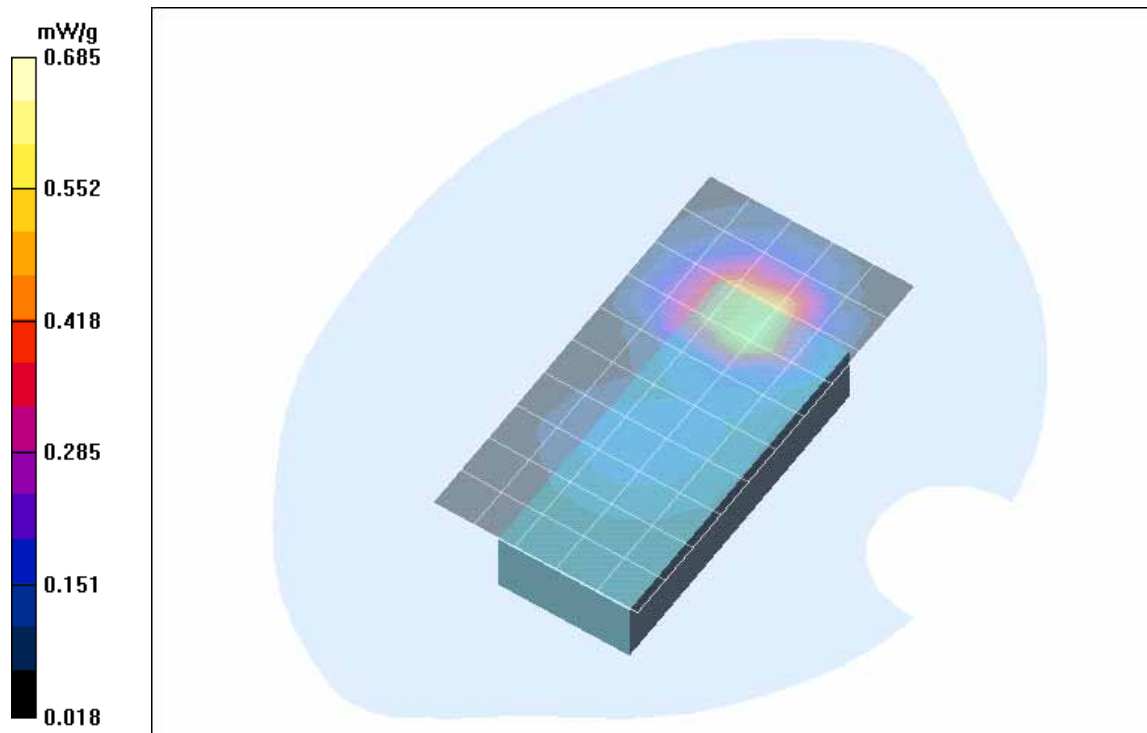


Fig. 13: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, 20mm distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [143yphm 8 sd 20mm ohne.da4](#)

DUT: Siemens ; **Type:** SL75; **Serial:** 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.744 mW/g

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

Reference Value = 10.3 V/m; Power Drift = -0.100 dB

Peak SAR (extrapolated) = 1.24 W/kg

SAR(1 g) = 0.778 mW/g; SAR(10 g) = 0.445 mW/g

Maximum value of SAR (measured) = 0.855 mW/g

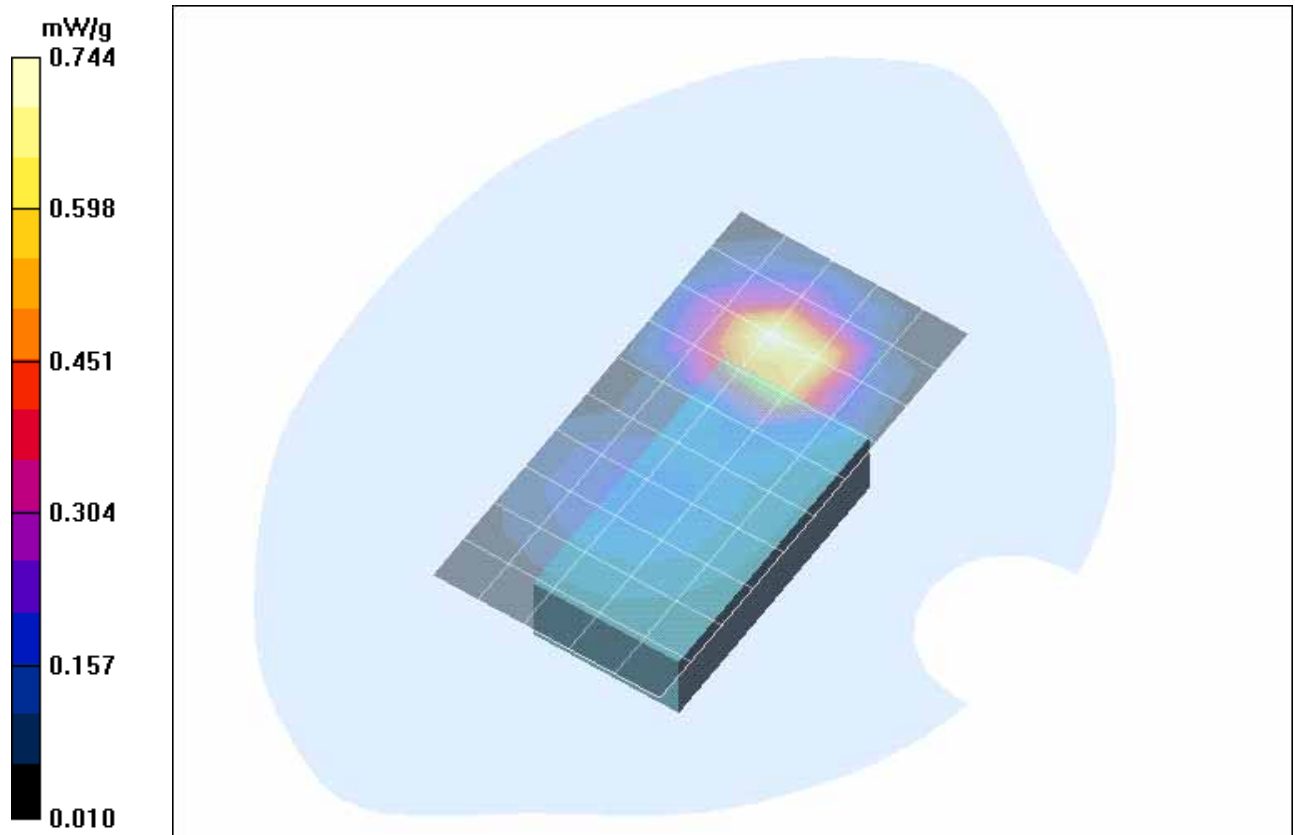


Fig. 14: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, 20m distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 20.9° C).

6 SAR Distribution Plots, GPRS 1900 (Class 10) Body, with data cable

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm_9_su_20mm_data.da4](#)

DUT: Siemens ; Type: SL75 Slider Up; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.584 mW/g

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

Reference Value = 9.09 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.366 mW/g

Maximum value of SAR (measured) = 0.707 mW/g

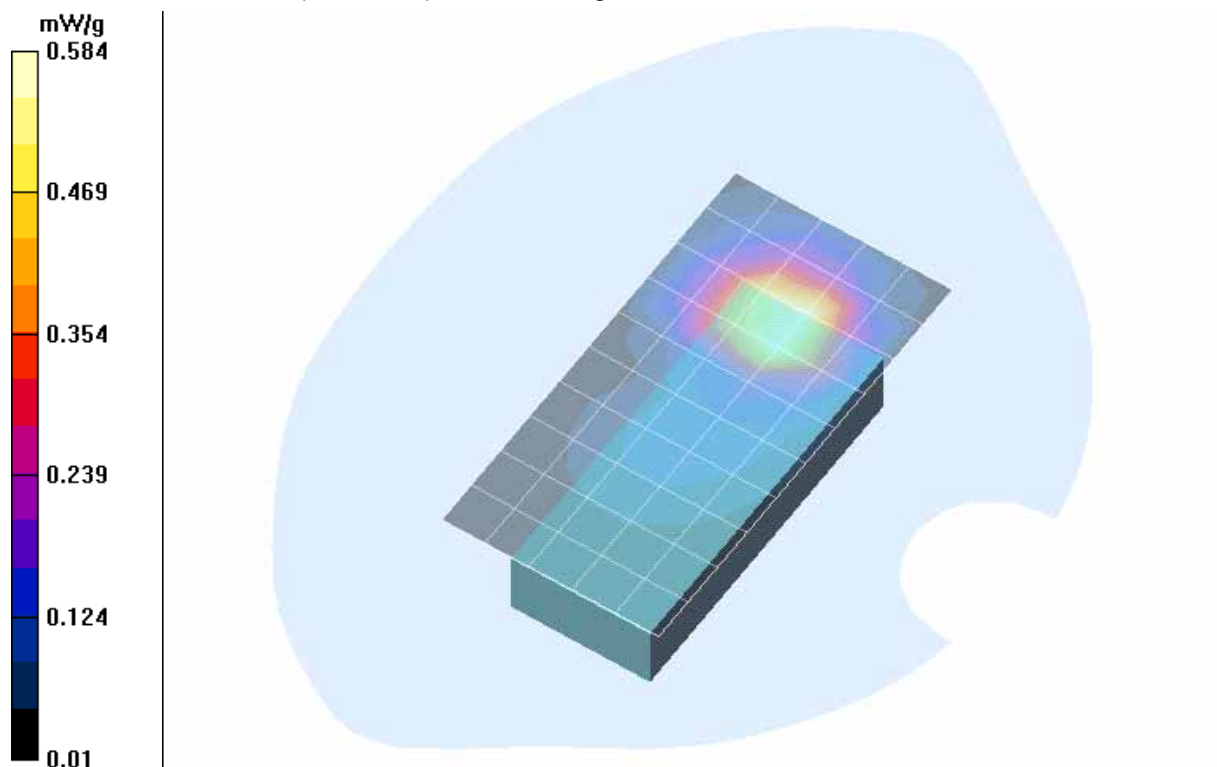


Fig. 15: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, 20mm distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm 9 sd 20mm data.da4](#)

DUT: Siemens ; Type: SL75; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.714 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 = -0.144 dB

Peak SAR (extrapolated) = 1.28 W/kg

SAR(1 g) = 0.799 mW/g; SAR(10 g) = 0.458 mW/g

Maximum value of SAR (measured) = 0.894 mW/g

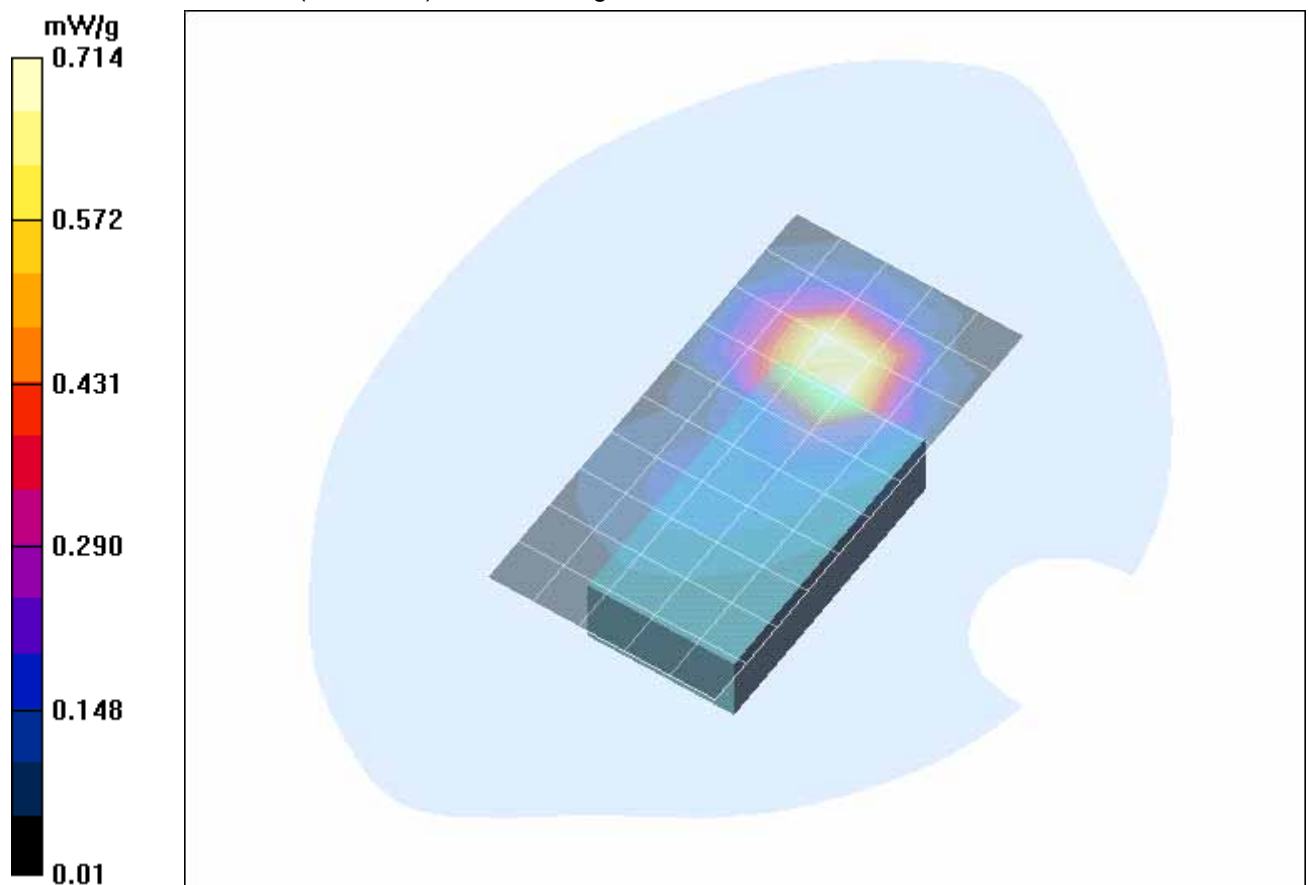


Fig. 16: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, 20m distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

7 SAR Distribution Plots, GPRS 1900 (Class 10) Body, with Bluetooth activated

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm_10_su_20mm_ohne_bt.da4](#)

DUT: Siemens ; Type: SL75 Slider Up; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.644 mW/g

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

Reference Value = 9.42 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.788 mW/g

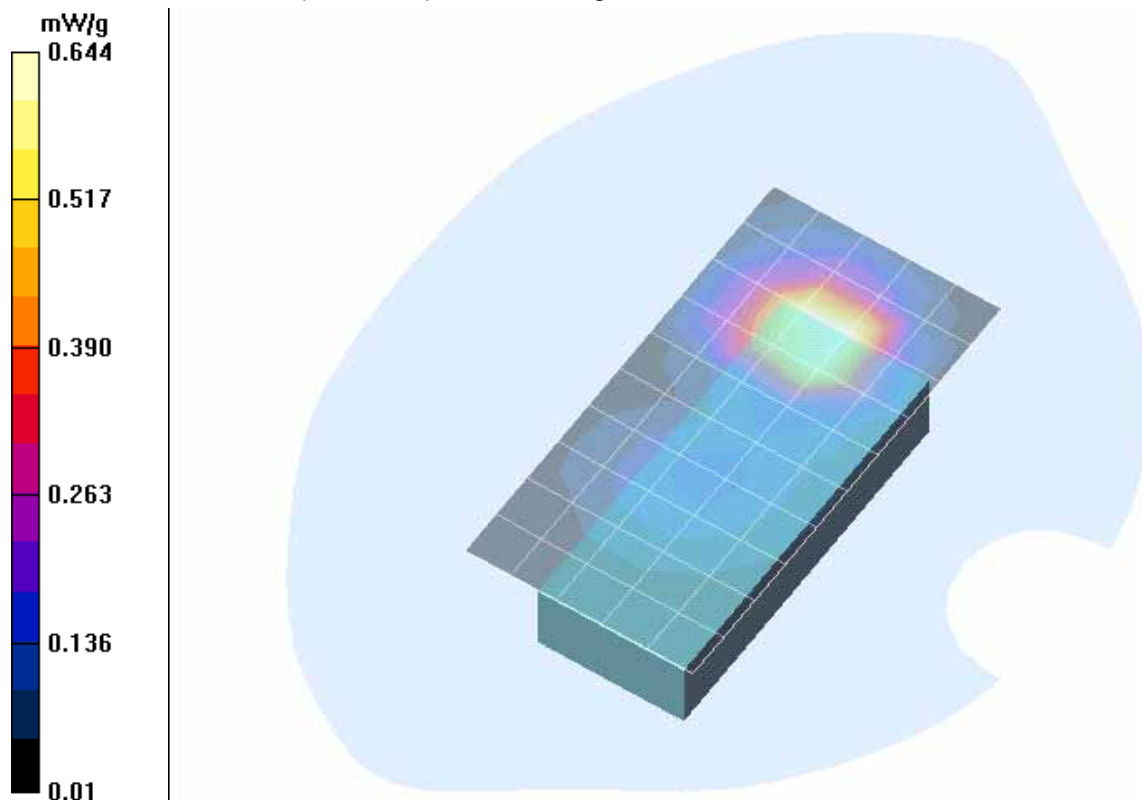


Fig. 17: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider up, 20mm distance (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [143yphm 10 sd 20mm ohne bt.da4](#)

DUT: Siemens ; Type: SL75; Serial: 004400009254143

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.59$ mho/m; $\epsilon_r = 52.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.52, 4.52, 4.52); Calibrated: 13.01.2005
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 17.03.2005
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.706 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 = -0.082 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.452 mW/g

Maximum value of SAR (measured) = 0.874 mW/g

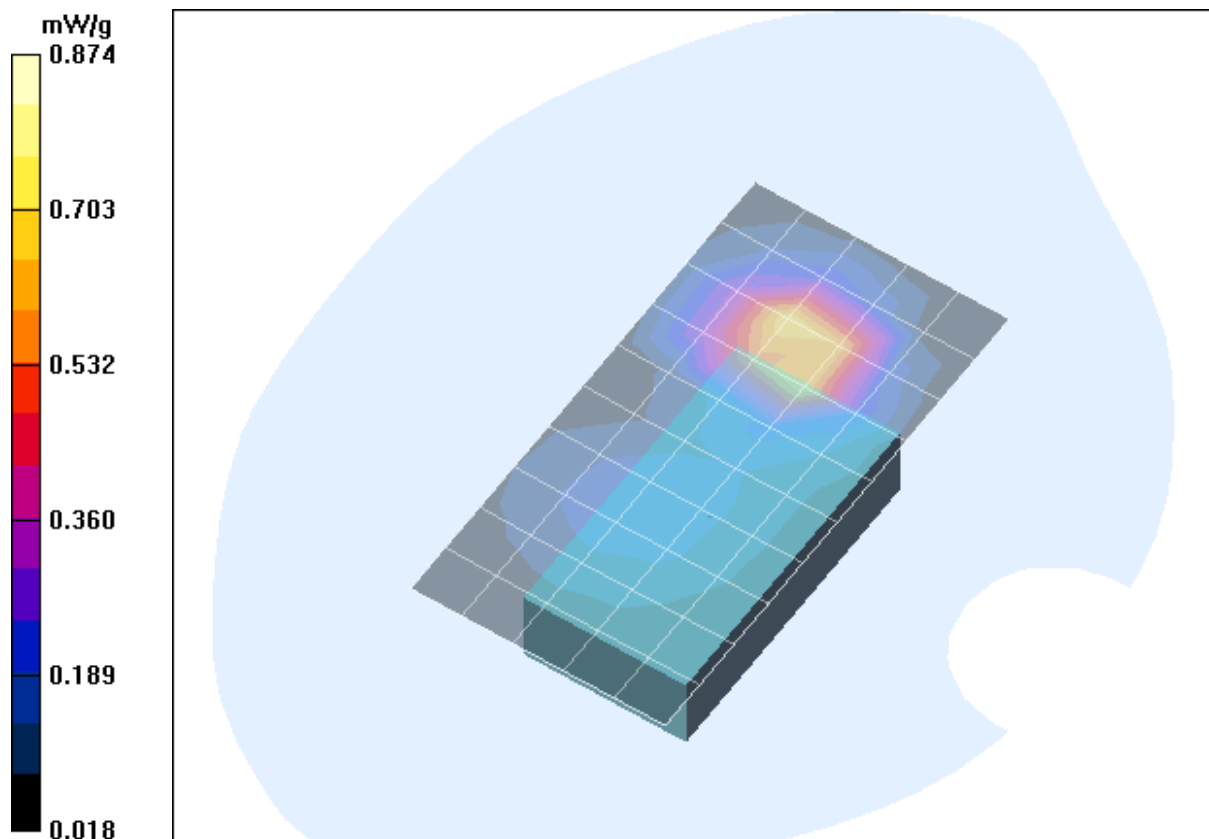


Fig. 18: SAR distribution for GPRS 1900, channel 661, body worn configuration, antenna towards the phantom, slider down, 20m distance (September 06, 2005; Ambient Temperature: 21.9° C; Liquid Temperature: 21.0° C).

8 SAR z-axis scans (Validation)

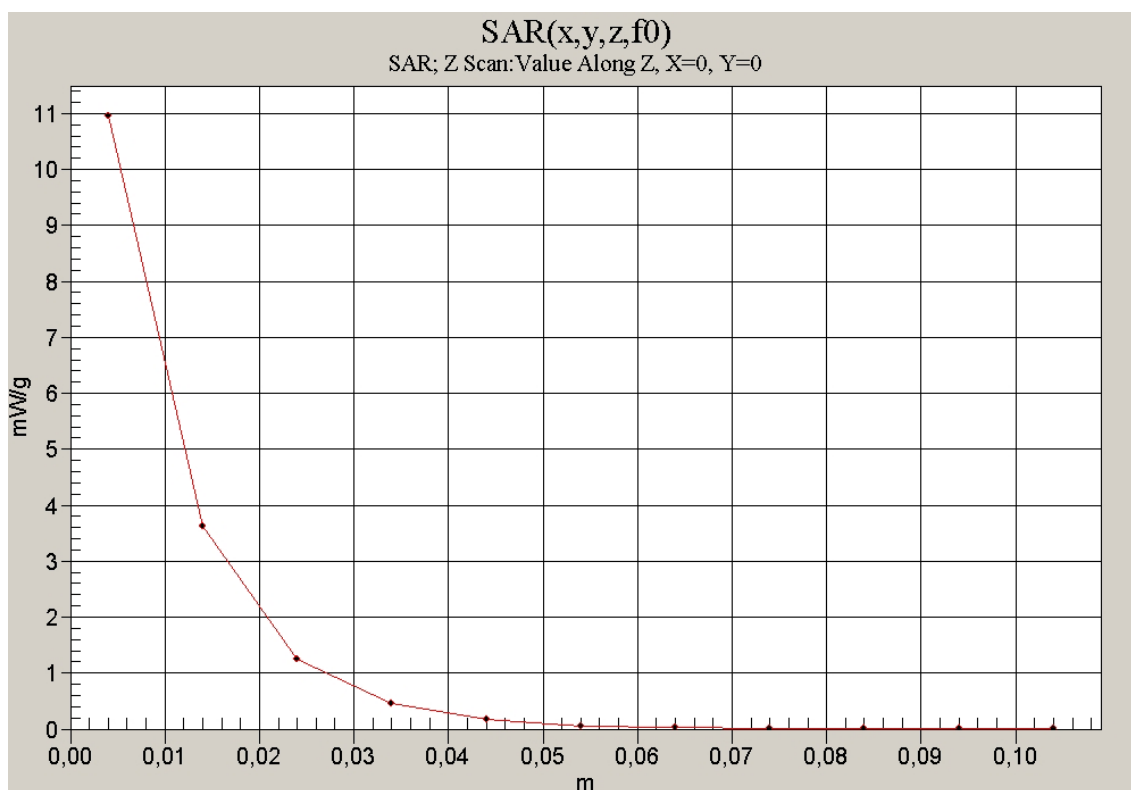


Fig. 19: SAR versus liquid depth, 1900 MHz, head (September 05, 2005; Ambient Temperature: 22.0° C; Liquid Temperature : 21.2° C).

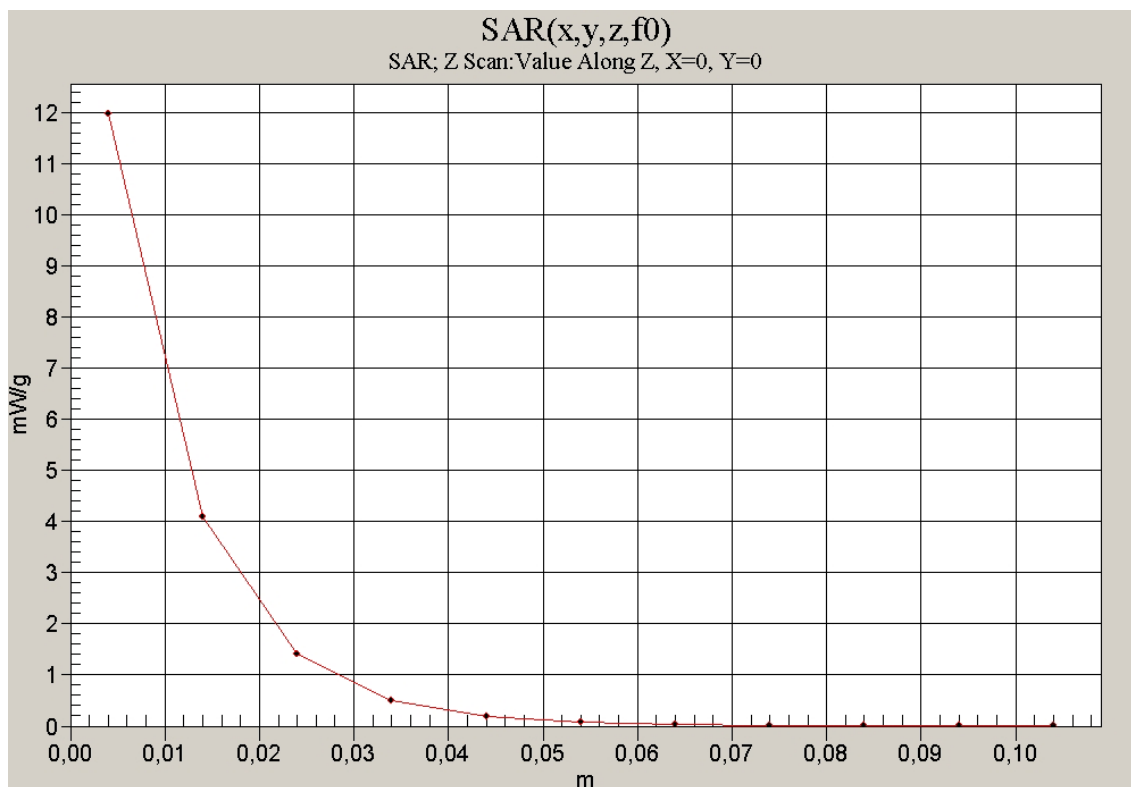


Fig. 20: SAR versus liquid depth, 1900 MHz, body (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature : 21.0° C).

9 SAR z-axis scans (Measurements)

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

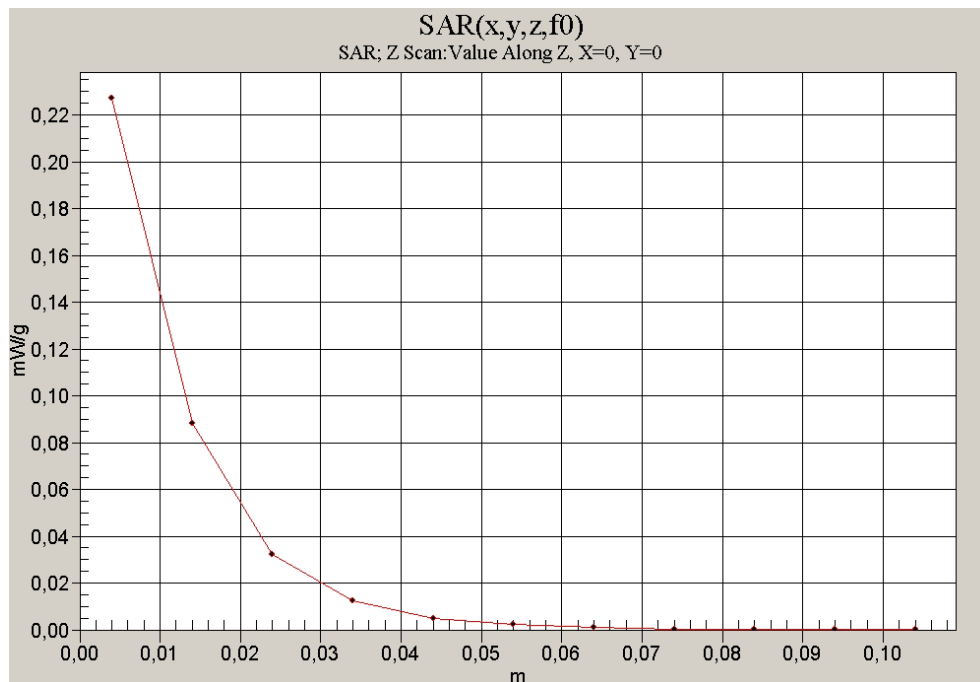


Fig. 21: SAR versus liquid depth, head: PCS 1900, channel 661, cheek position, right side of head, slider down (September 05, 2005; Ambient Temperature: 22.3° C; Liquid Temperature : 21.0° C).

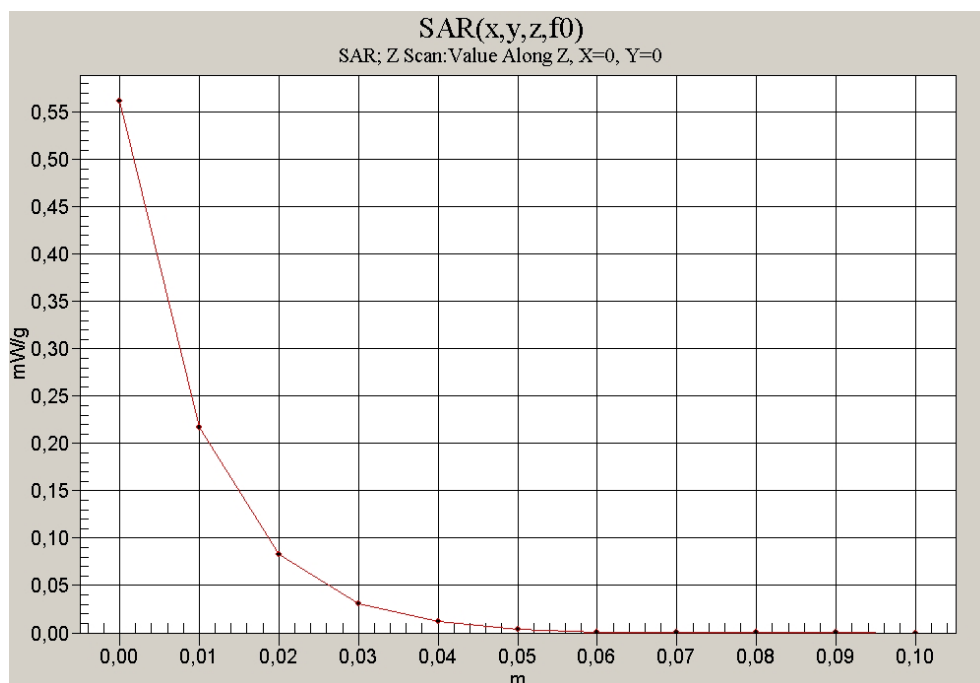


Fig. 22: SAR versus liquid depth, body: PCS 1900, channel 661, data cable, slider down, (September 06, 2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).