
Appendix for the Report

Dosimetric Assessment of the Siemens CF75 (FCC ID: PWX-CF75)

According to the FCC Requirements

SAR Distribution Plots

May 25, 2005
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1 SAR Distribution Plots, PCS 1900 head, without flash

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [085yp1m_1.da4](#)

DUT: Siemens; Type: CF75; Serial: 004400008886085

Program Name: Cheek Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Left/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.764 mW/g

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

Reference Value = 9.86 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.955 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.364 mW/g

Maximum value of SAR (measured) = 0.762 mW/g

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

Reference Value = 9.86 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.948 W/kg

SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.377 mW/g

Maximum value of SAR (measured) = 0.757 mW/g

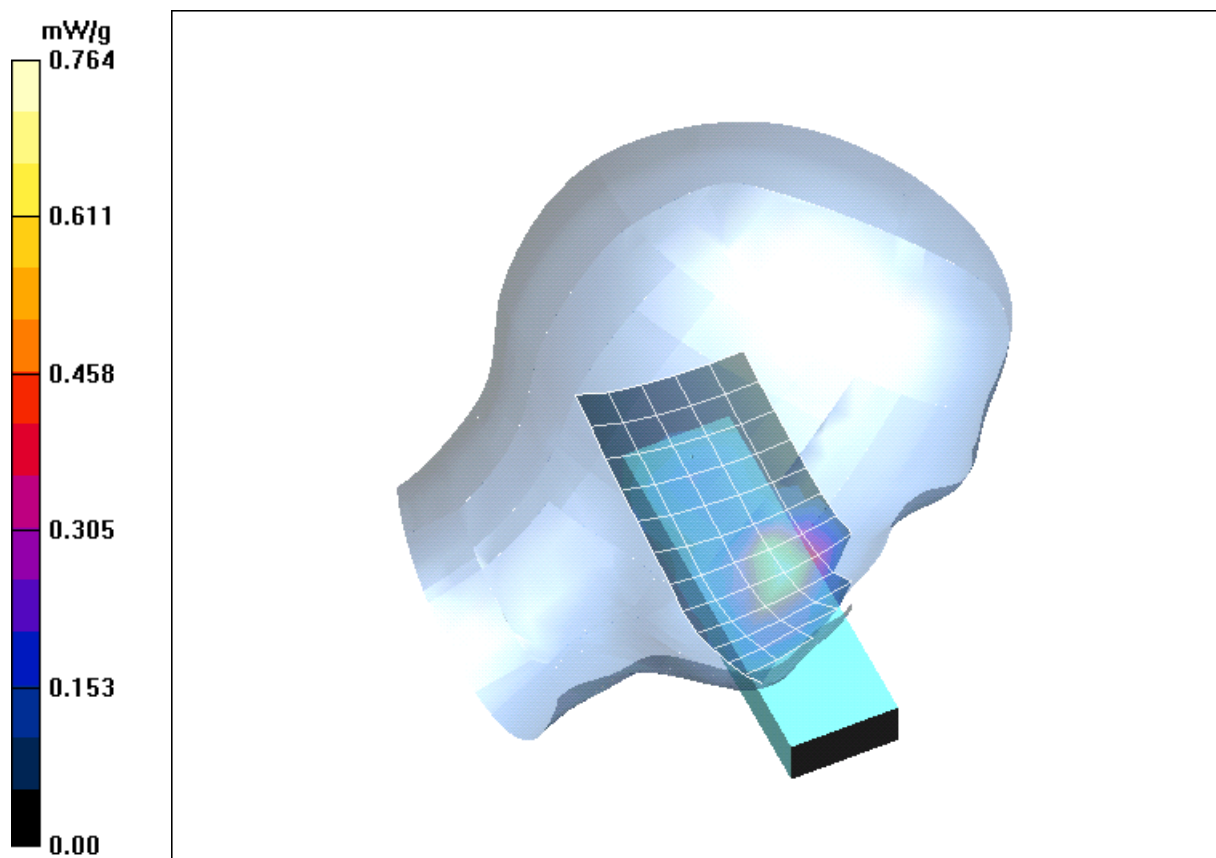


Fig. 1: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (05.23.2005; Ambient Temperature: 21.8° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yplm 2.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Tilted Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Left/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.476 mW/g

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

Reference Value = 15.0 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.453 mW/g; SAR(10 g) = 0.281 mW/g

Maximum value of SAR (measured) = 0.492 mW/g

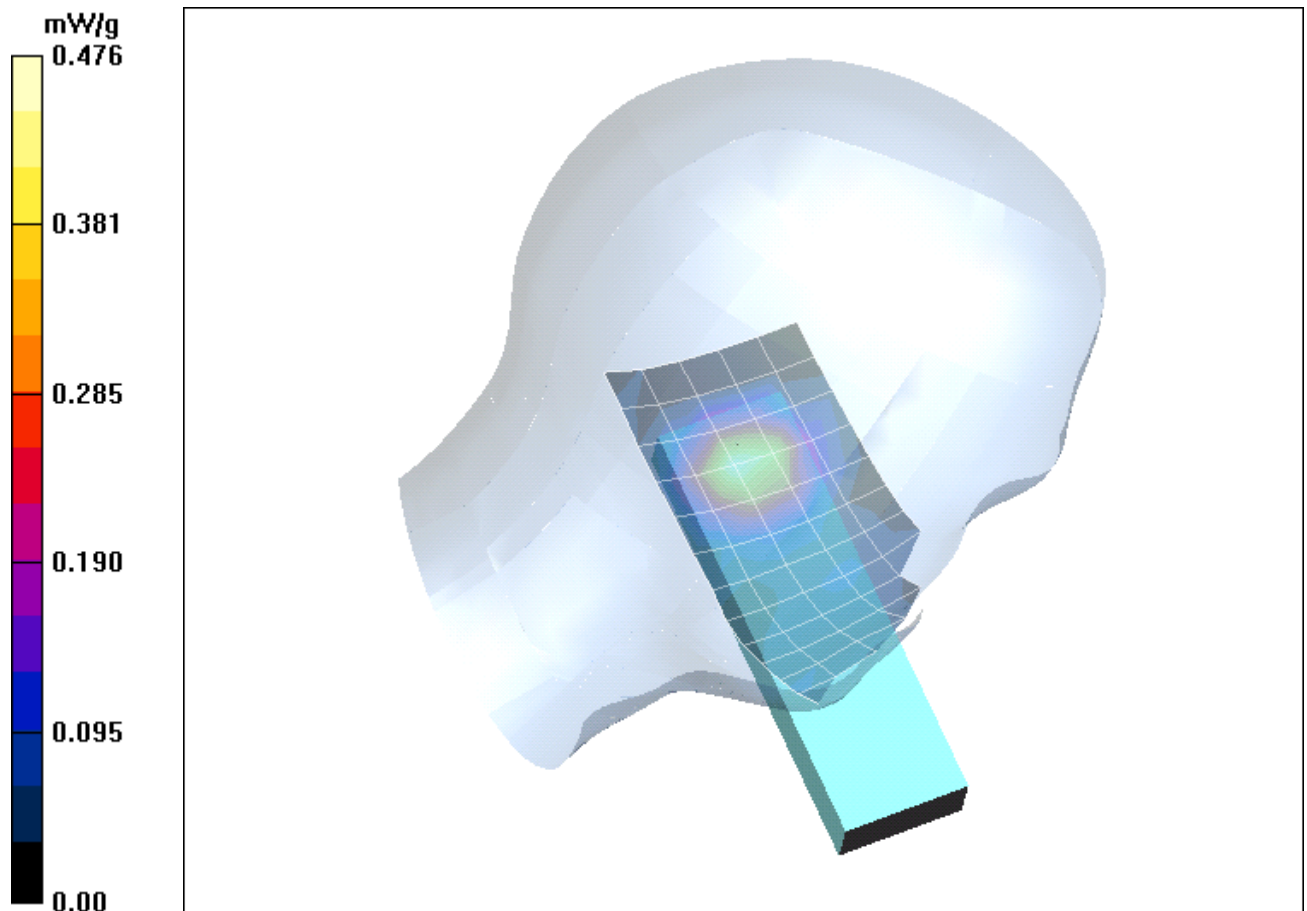


Fig. 2: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (05.23.2005; Ambient Temperature: 21.7° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yprm_1.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Cheek Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004

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

- Electronics: DAE4 Sn631; Calibrated: 23.07.2004

- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340

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

Cheek Right/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.947 mW/g

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

Reference Value = 9.24 V/m; Power Drift = -0.059 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.515 mW/g

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

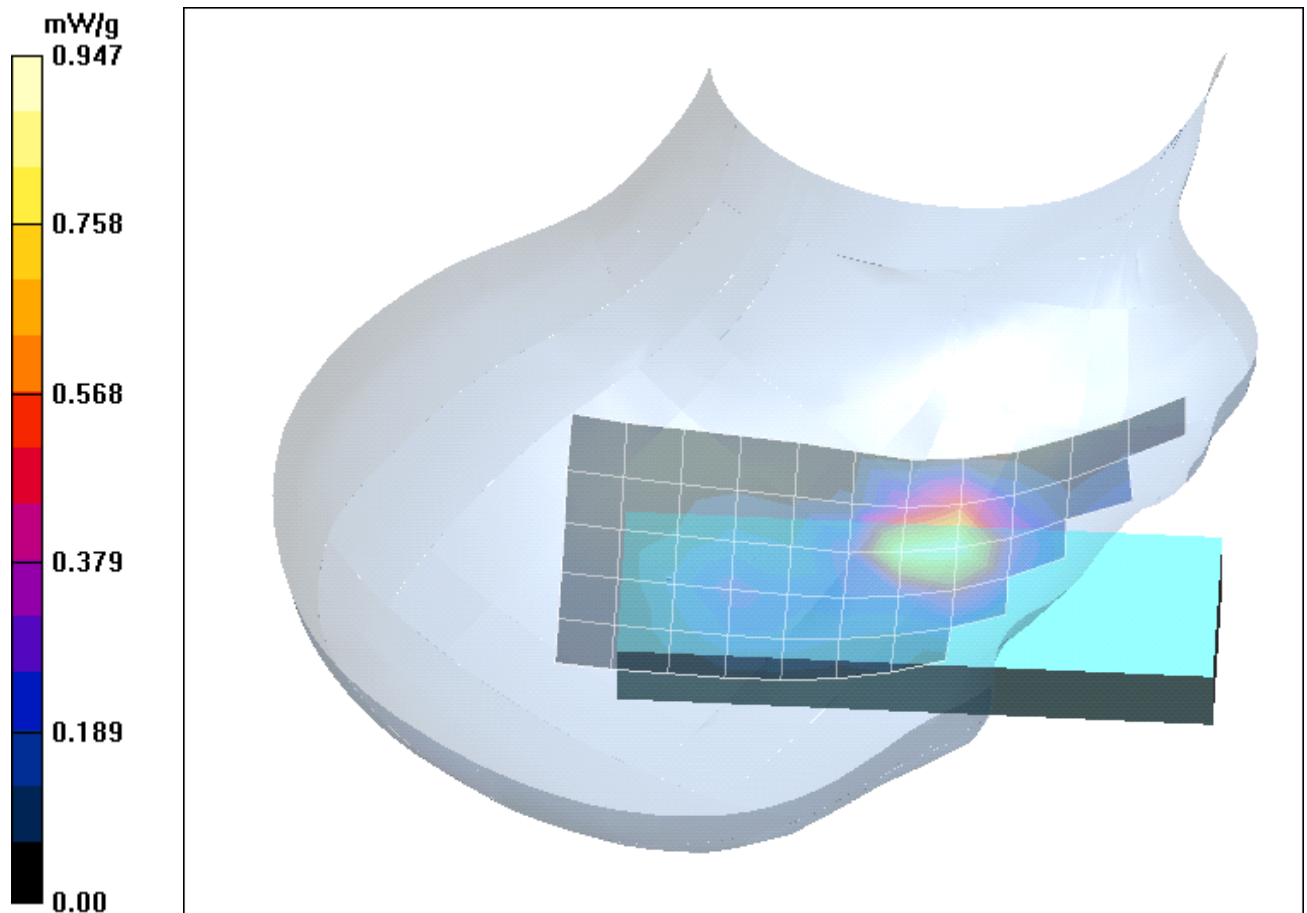


Fig. 3: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (05.23.2005; Ambient Temperature: 21.8° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yprm_2.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Tilted Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Right/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.547 mW/g

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

Reference Value = 14.9 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.321 mW/g

Maximum value of SAR (measured) = 0.566 mW/g

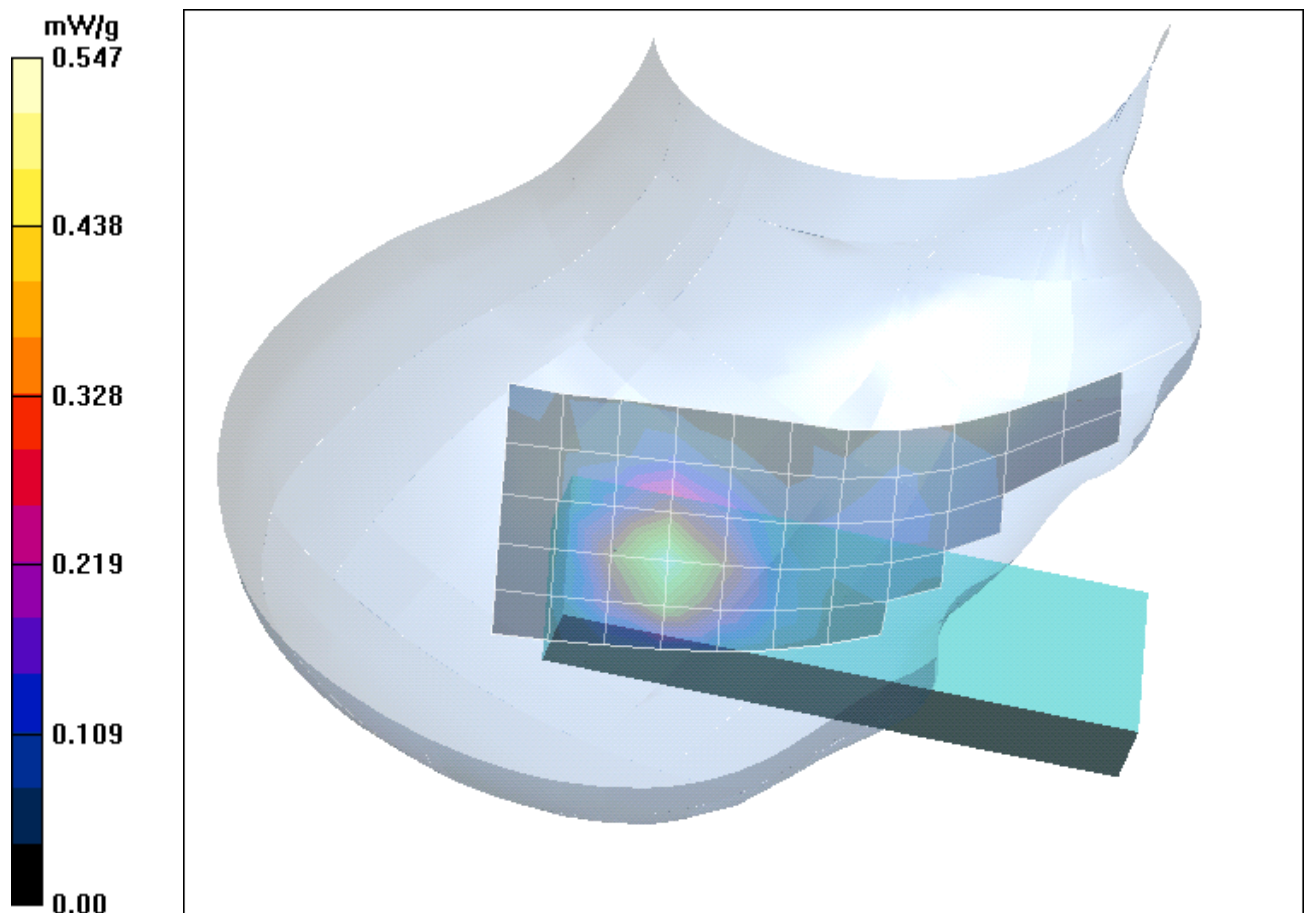


Fig. 4: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (05.23.2005; Ambient Temperature: 21.8° C; Liquid Temperature : 21.1° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [085ypri_1.da4](#)

DUT: Siemens; Type: CF75; Serial: 004400008886085

Program Name: Cheek Right

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

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Right/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.931 mW/g

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

Reference Value = 10.9 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.516 mW/g

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

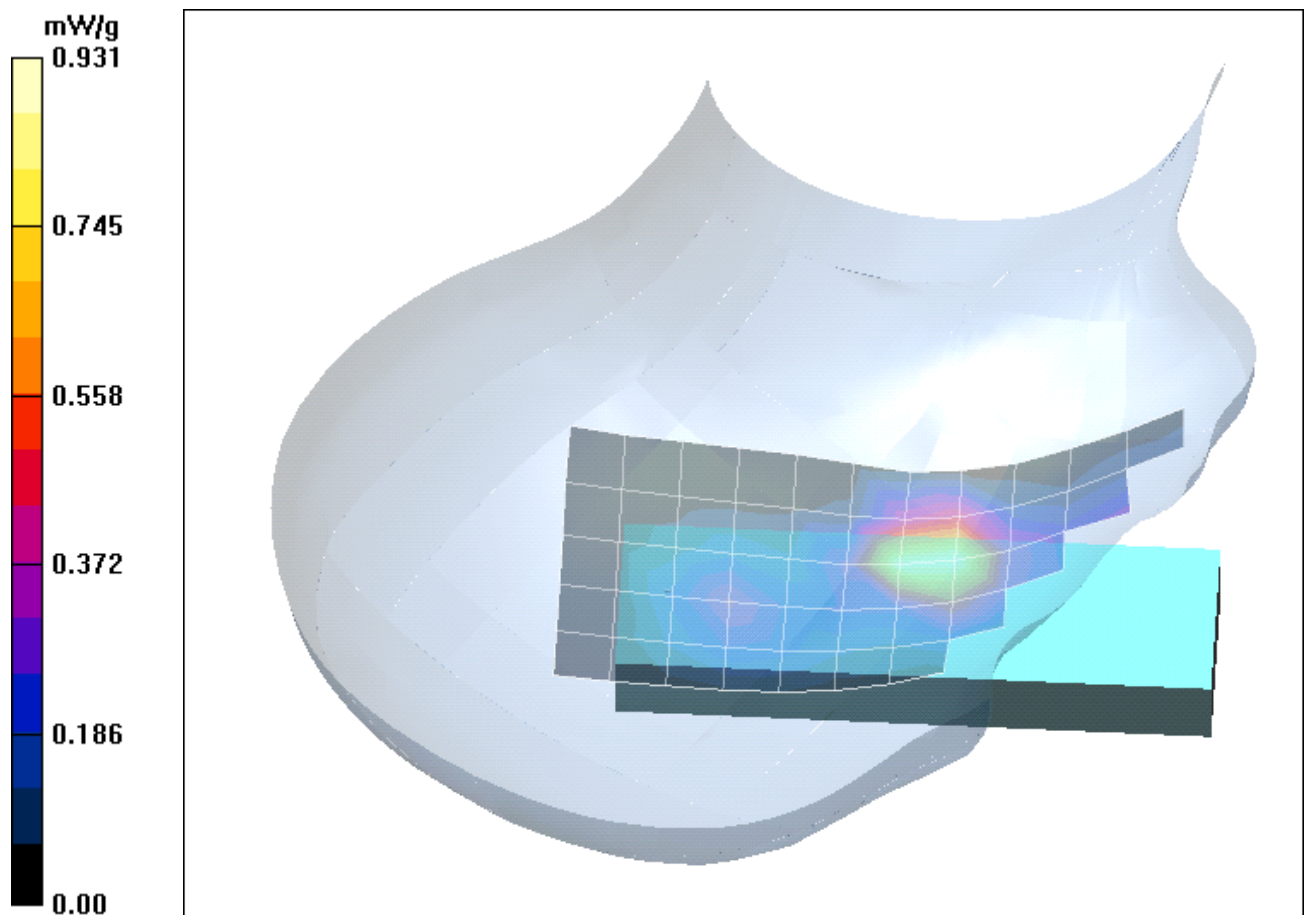


Fig. 5: SAR distribution for PCS 1900, channel 512, cheek position, right side of head (05.23.2005; Ambient Temperature: 21.8° C; Liquid Temperature : 21.1° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yprh_1.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Cheek Right

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

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Right/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.918 mW/g

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

Reference Value = 9.96 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 1.59 W/kg

SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.509 mW/g

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

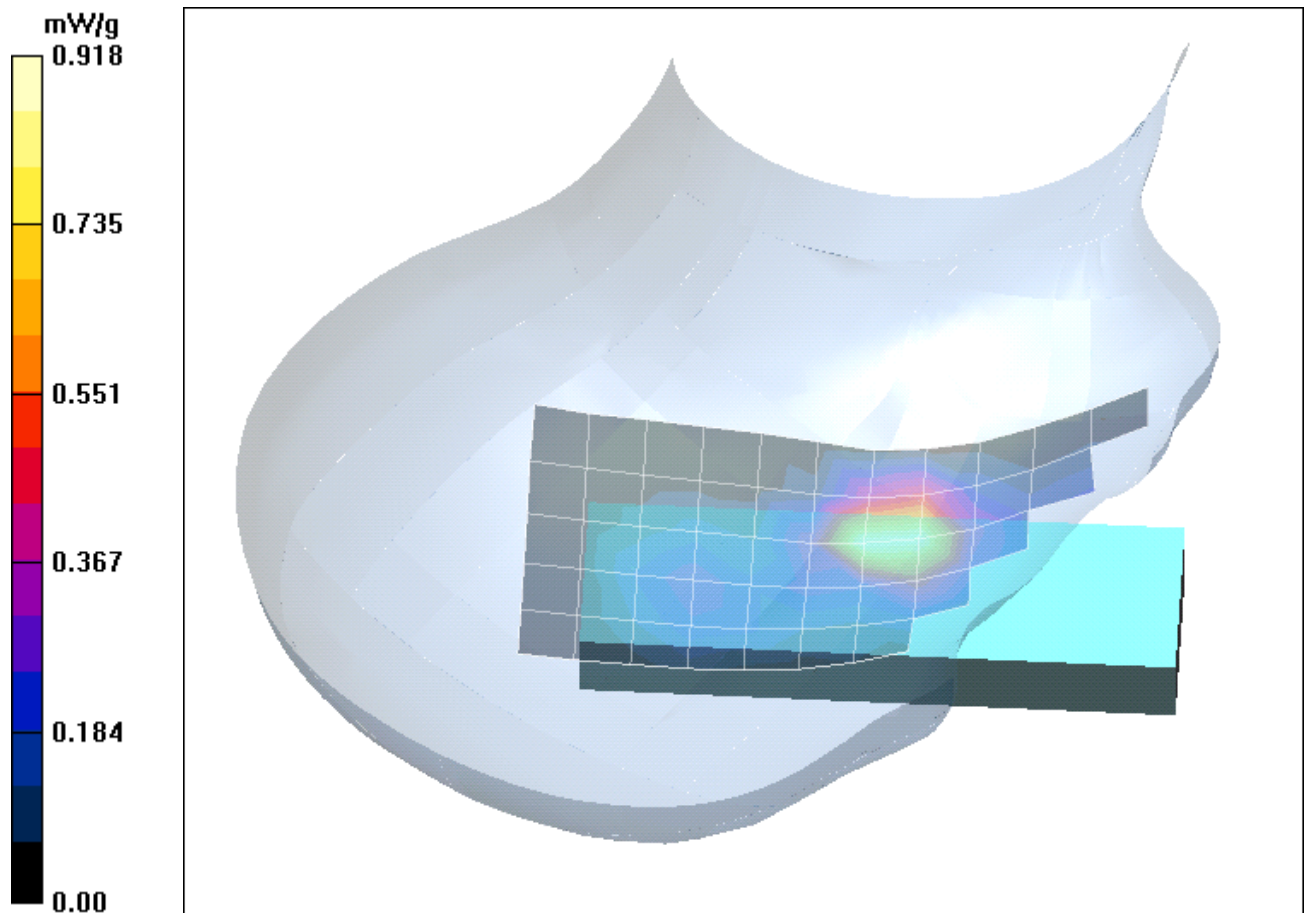


Fig. 6: SAR distribution for PCS 1900, channel 810, cheek position, right side of head (05.23.2005; Ambient Temperature: 21.9° C; Liquid Temperature : 21.2° C).

2 SAR Distribution Plots, PCS 1900 head, with flash

Test Laboratory: IMST GmbH, DASY Yellow (II); File Name: [085yplm_1_flash.da4](#)

DUT: Siemens; Type: CF75 flash; Serial: 004400008886085

Program Name: Cheek Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Left/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.574 mW/g

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

Reference Value = 6.96 V/m; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.815 W/kg

SAR(1 g) = 0.613 mW/g; SAR(10 g) = 0.390 mW/g

Maximum value of SAR (measured) = 0.651 mW/g

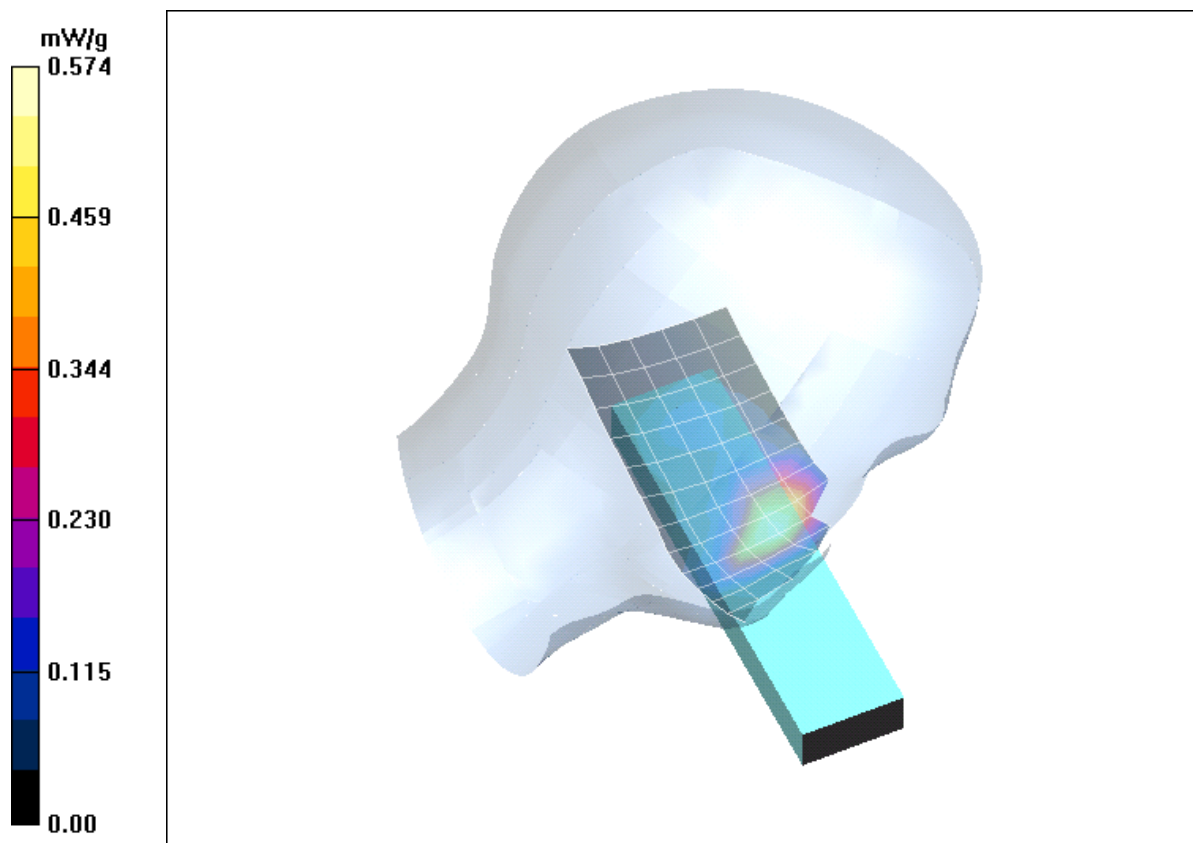


Fig. 7: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (05.23.2005; Ambient Temperature: 21.7° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yp1m_2_flash.da4](#)

DUT: Siemens; **Type:** CF75 flash; **Serial:** 004400008886085

Program Name: Tilted Left

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Left/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.271 mW/g

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

Reference Value = 12.1 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.431 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.291 mW/g

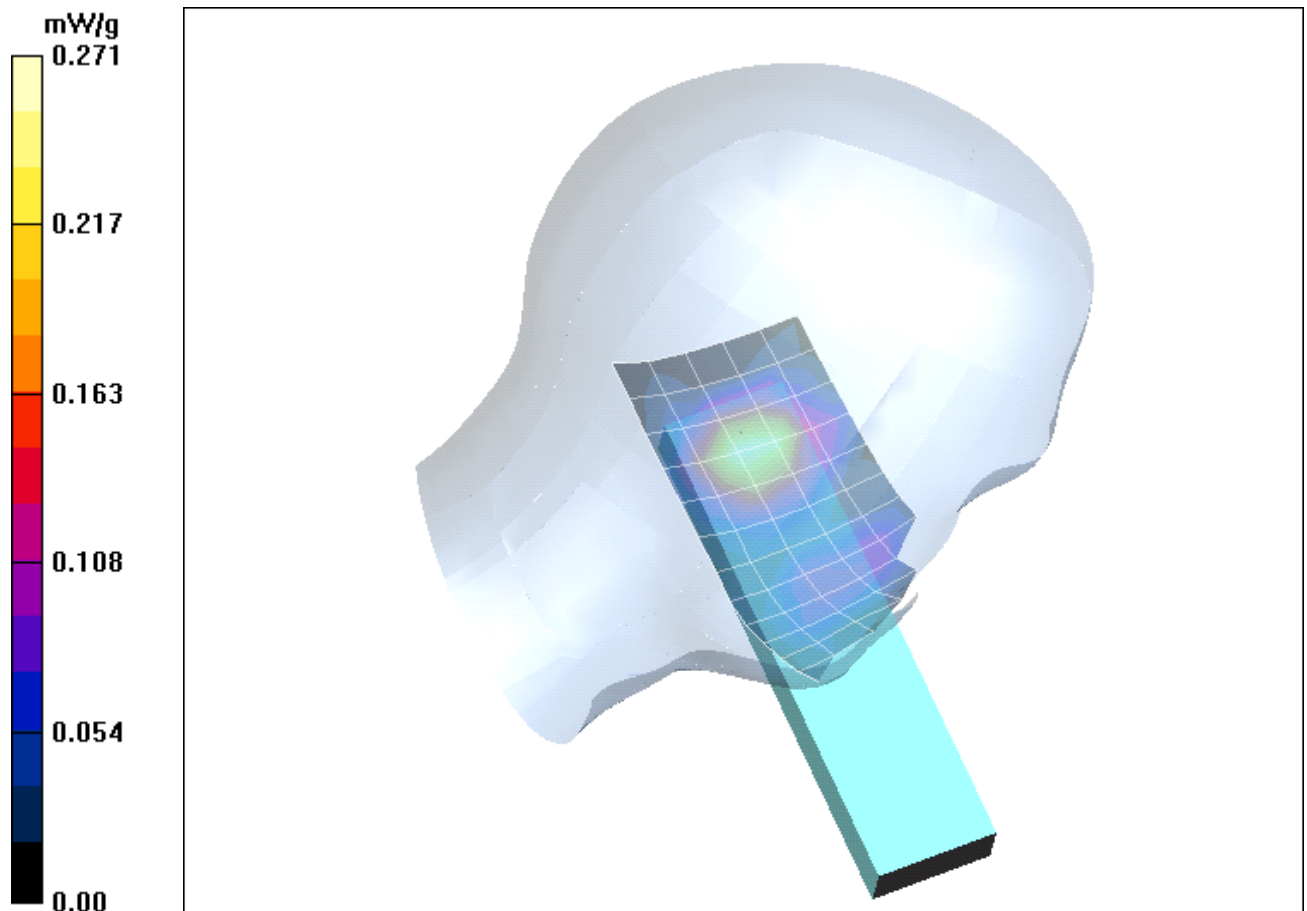


Fig. 8: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (05.23.2005; Ambient Temperature: 21.7° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yprm_1_flash.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Cheek Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Cheek Right/Area Scan (6x15x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.781 mW/g

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

Reference Value = 6.73 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 1.55 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.423 mW/g

Maximum value of SAR (measured) = 0.771 mW/g

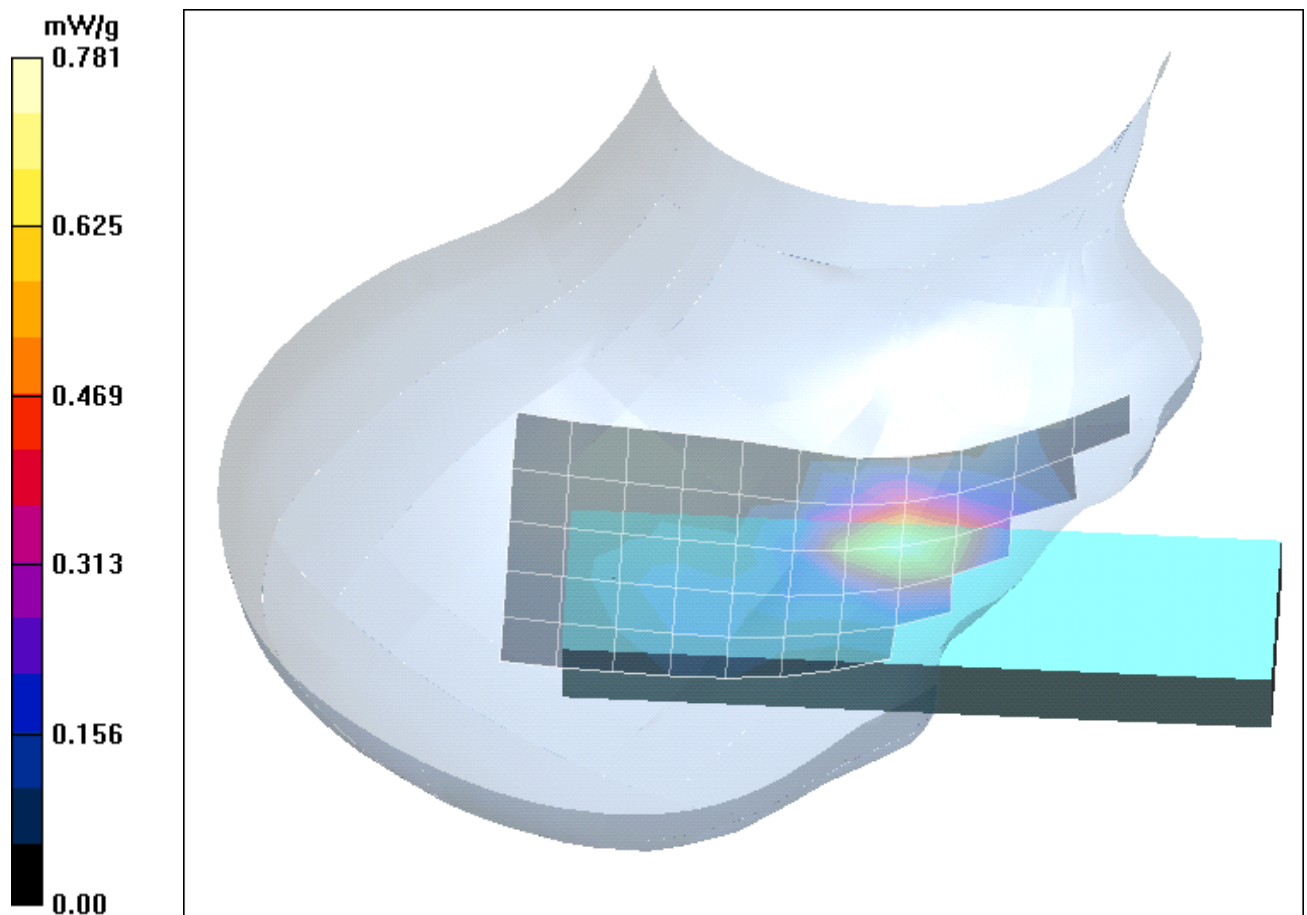


Fig. 9: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (05.23.2005; Ambient Temperature: 21.8° C; Liquid Temperature : 21.0° C).

Test Laboratory: IMST GmbH, DASY Yellow (II); **File Name:** [085yprm 2 flash.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Tilted Right

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 41.5$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.19, 8.19, 8.19); Calibrated: 27.08.2004
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.07.2004
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Tilted Right/Area Scan (6x14x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.300 mW/g

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

Reference Value = 10.9 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 0.429 W/kg

SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.324 mW/g

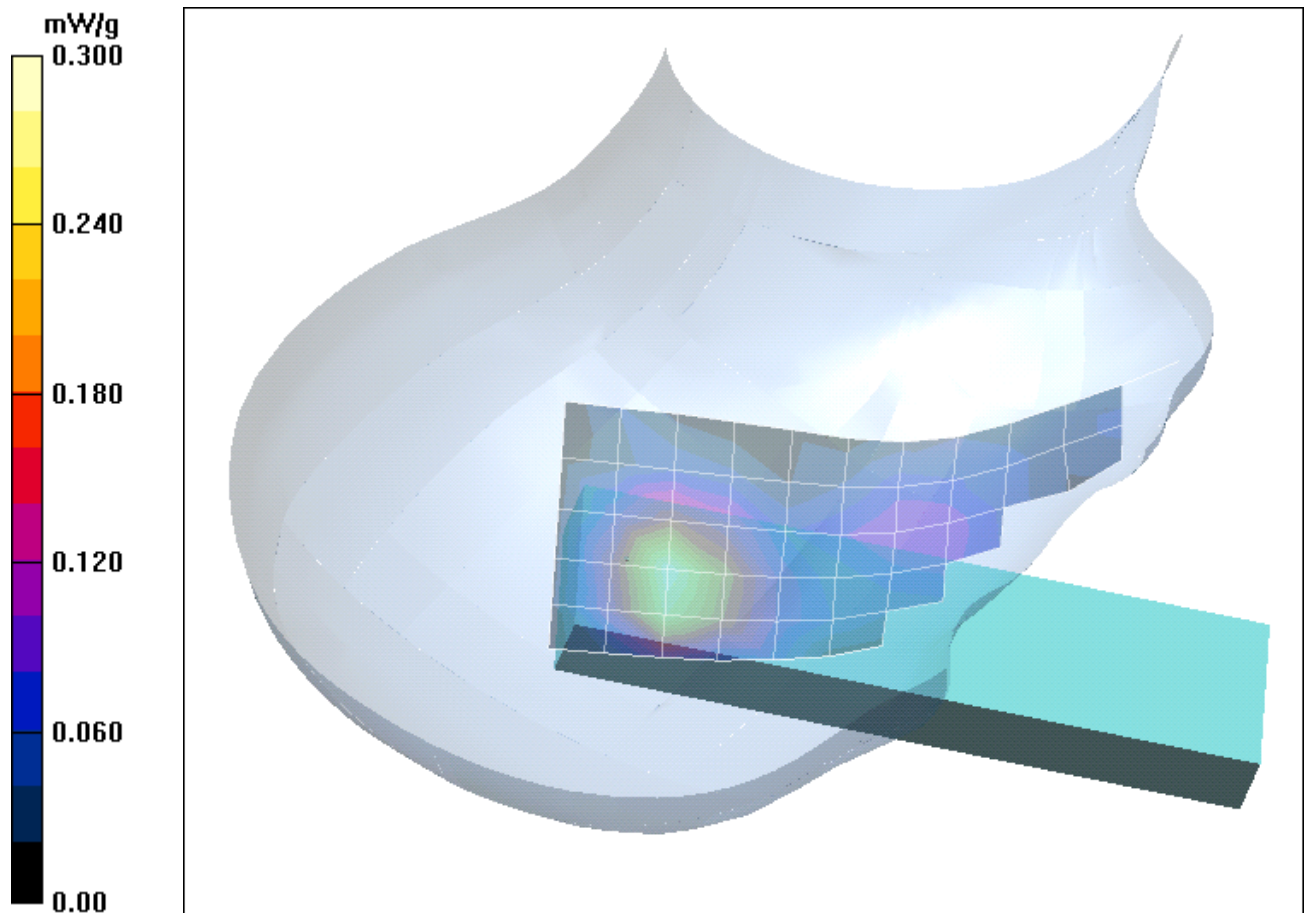


Fig. 10: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (05.23.2005; Ambient Temperature: 21.8 °C; Liquid Temperature : 21.0° C)

3 SAR Distribution Plots, PCS 1900 Body worn (gap = 15 mm)

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [085bphm 4 GSM wdh.da4](#)

DUT: Siemens; Type: CF75; Serial: 004400008886085

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ 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 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.125 mW/g

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

Reference Value = 9.56 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.179 W/kg

SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.127 mW/g

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

Reference Value = 9.56 V/m; Power Drift = -0.084 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.119 mW/g

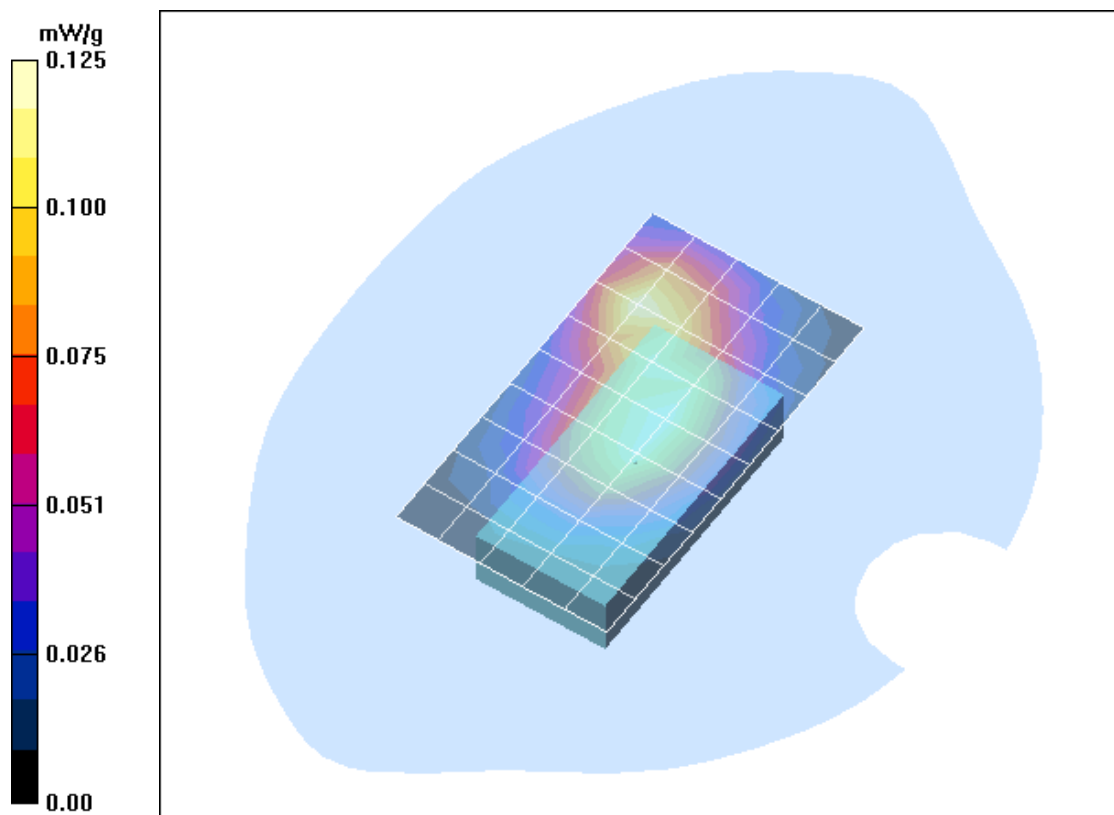


Fig. 11: SAR distribution for PCS 1900, channel 661, antenna towards the phantom, GSM mode (05.25.2005; Ambient Temperature: 21.8° C; Liquid Temperature: 21.0°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [085bphm_1_gprs.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ 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 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.288 mW/g

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

Reference Value = 14.4 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.296 mW/g

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

Reference Value = 14.4 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.350 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.243 mW/g

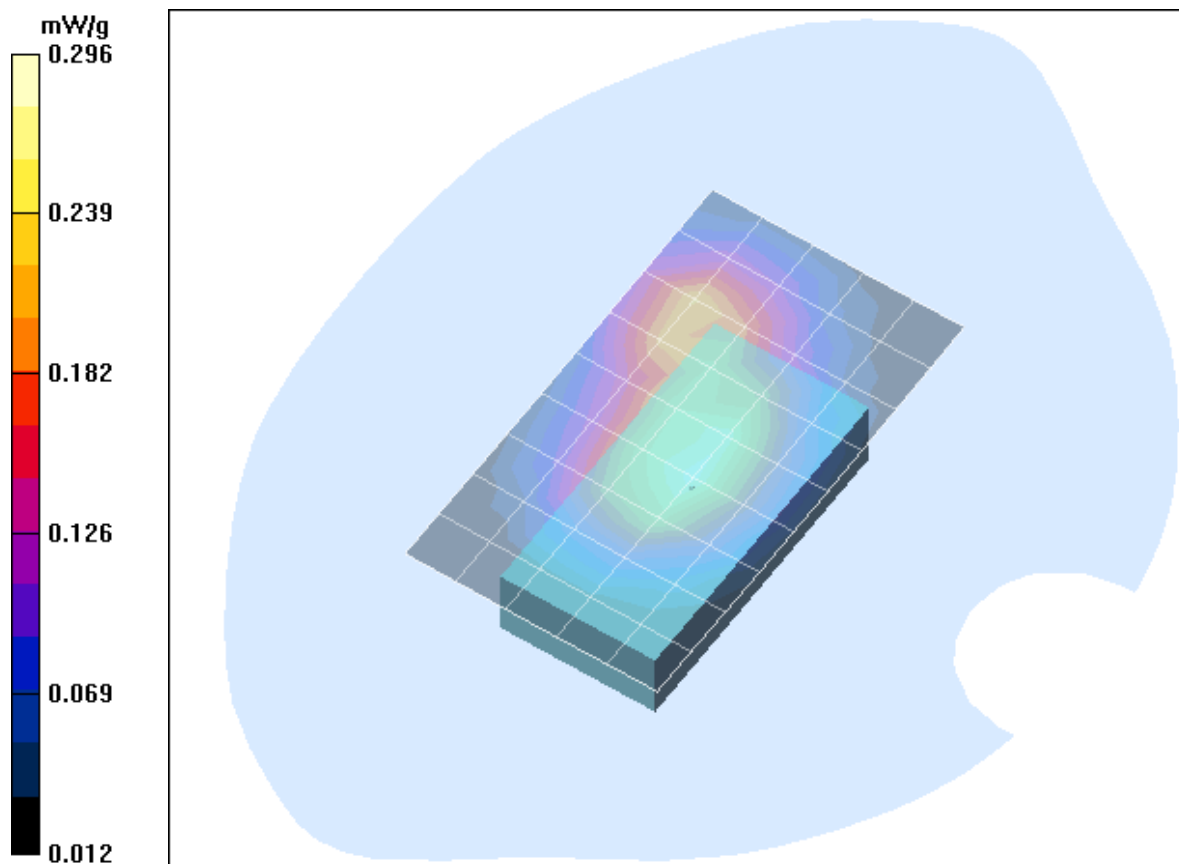


Fig. 12: SAR distribution for PCS 1900, channel 661, antenna towards the phantom, GPRS class 10 (05.25.2005; Ambient Temperature: 22.0° C; Liquid Temperature: 21.2° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [085bphm_2_gprs.da4](#)

DUT: Siemens; **Type:** CF75; **Serial:** 004400008886085

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ 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 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

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

Maximum value of SAR (measured) = 0.254 mW/g

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

Reference Value = 13.3 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.359 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.251 mW/g

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

Reference Value = 13.3 V/m; Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.347 W/kg

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 0.249 mW/g

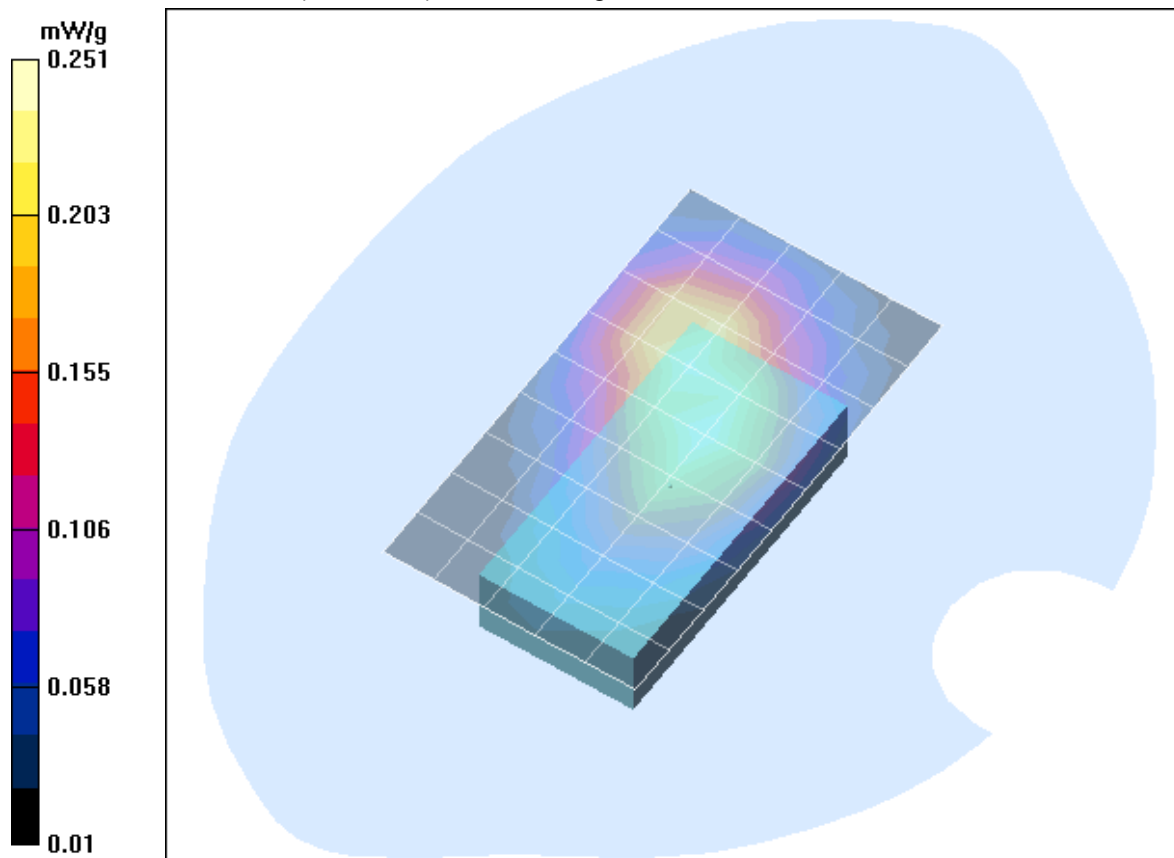


Fig. 13: SAR distribution for PCS 1900, channel 661, antenna towards the phantom, GPRS class 10, with data cable (05.25.2005; Ambient Temperature: 21.7° C; Liquid Temperature : 21.1° C).

4 SAR z-axis scans (Validation)

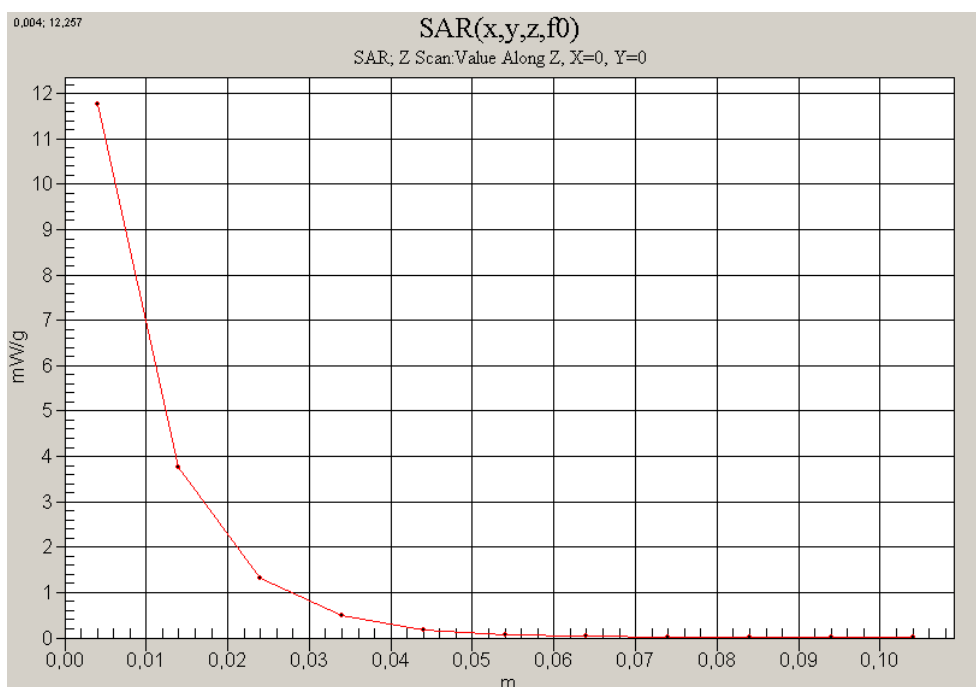


Fig. 14: SAR versus liquid depth, 1900 MHz, head (05.23.2005; Ambient Temperature: 21.7° C; Liquid Temperature : 21.0° C).

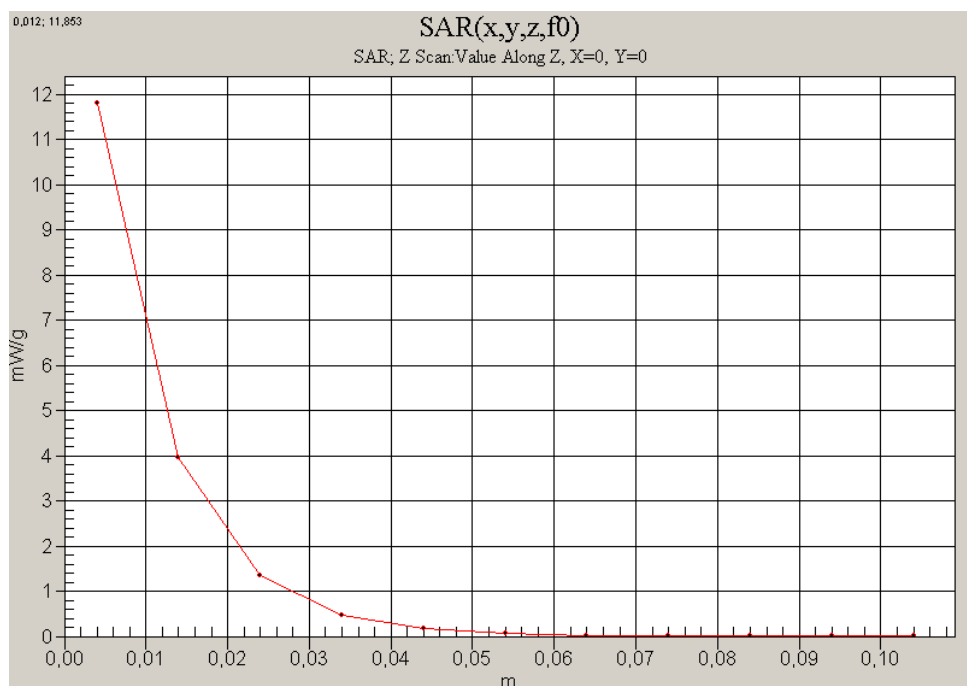


Fig. 15: SAR versus liquid depth, 1900 MHz, body (05.25.2005; Ambient Temperature: 22.0° C; Liquid Temperature : 21.1° C).

5 SAR z-axis scans (Measurements)

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

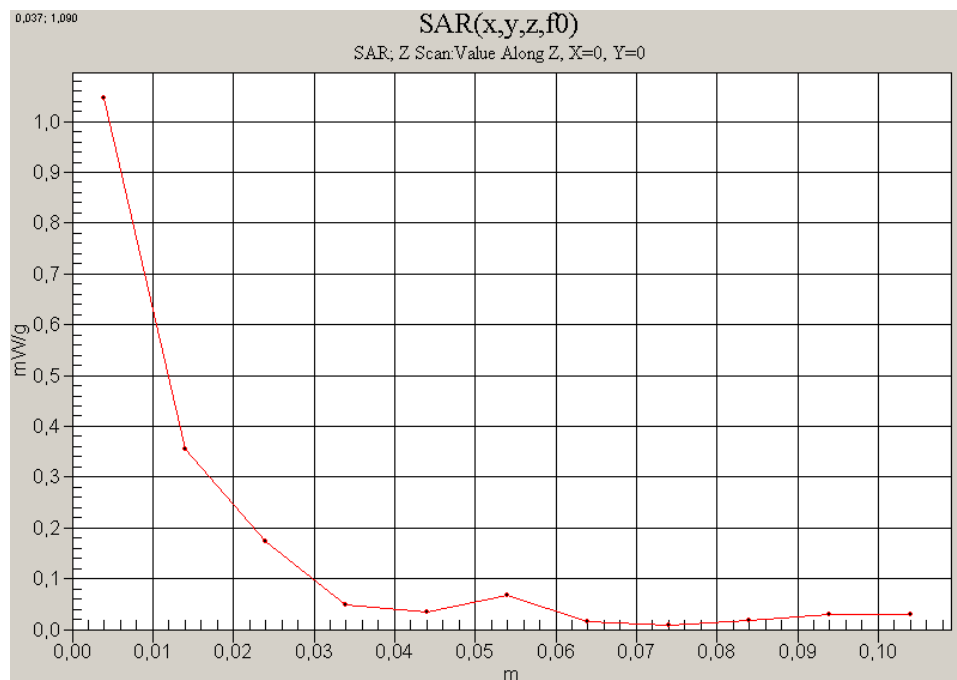


Fig. 16: SAR versus liquid depth, head: PCS 1900, channel 661, cheek position, right side of head without flash (05.23.2005, Ambient Temperature: 21.8° C; Liquid Temperature : 21.0° C).

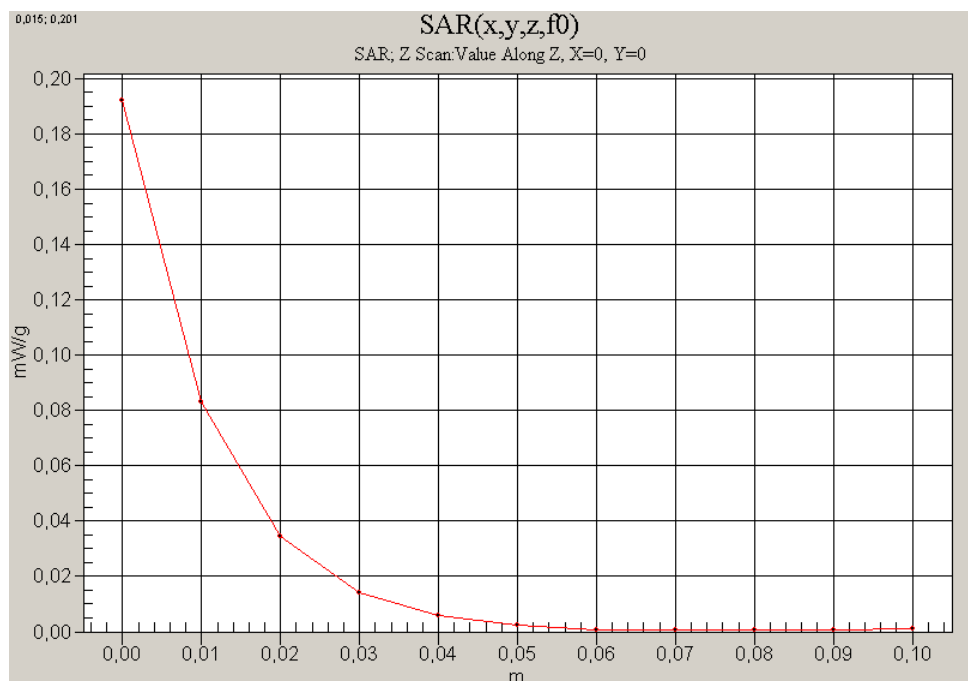


Fig. 17: SAR versus liquid depth, body: PCS 1900, channel 661, antenna towards the phantom, GPRS Class 10 (05.25.2005; Ambient Temperature: 22.0° C; Liquid Temperature : 21.2° C).