
Appendix for the Report
Dosimetric Assessment of the
ICONII from Option
(FCC ID: NCMOGI0201)
According to the FCC Requirements
SAR Distribution Plots

March 30, 2007
IMST GmbH
Carl-Friedrich-Gauß-Str. 2
D-47475 Kamp-Lintfort

Customer
7layers AG
Borsigstrasse 11
D-40880 Ratingen

The test results only relate to the items tested.
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1 SAR Distribution Plots, GPRS 850 Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_bahm_1_DELL.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.66
 Medium parameters used: $f = 836.6$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Worn/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.435 mW/g

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

Reference Value = 16.9 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.315 mW/g

Maximum value of SAR (measured) = 0.661 mW/g

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

Reference Value = 16.9 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.387 W/kg

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.162 mW/g

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

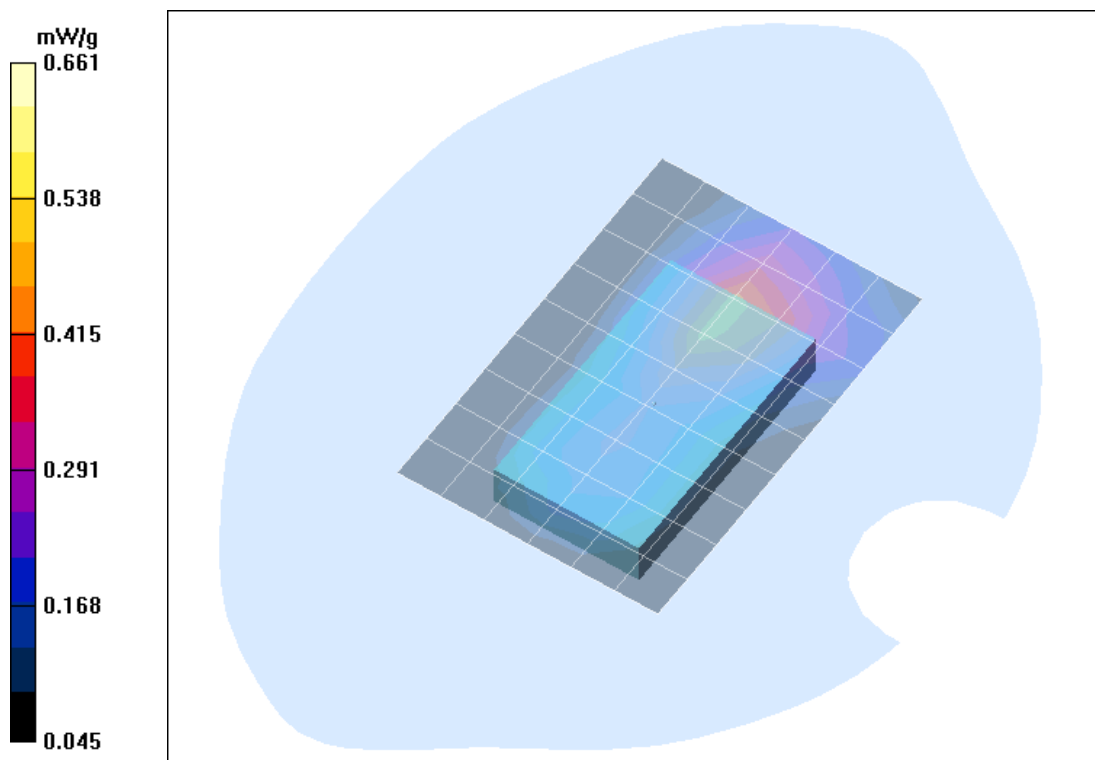


Fig. 1: SAR distribution for GPRS 850 (Class 11), channel 190, Lap Held Position (DELL Latitude C810, March 28, 2007; Ambient Temperature: 22.1°C; Liquid Temperature: 21.3°C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_bahm_1_acer.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.66

Medium parameters used: $f = 836.6$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Worn/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.482 mW/g

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

Reference Value = 16.2 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.299 mW/g

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

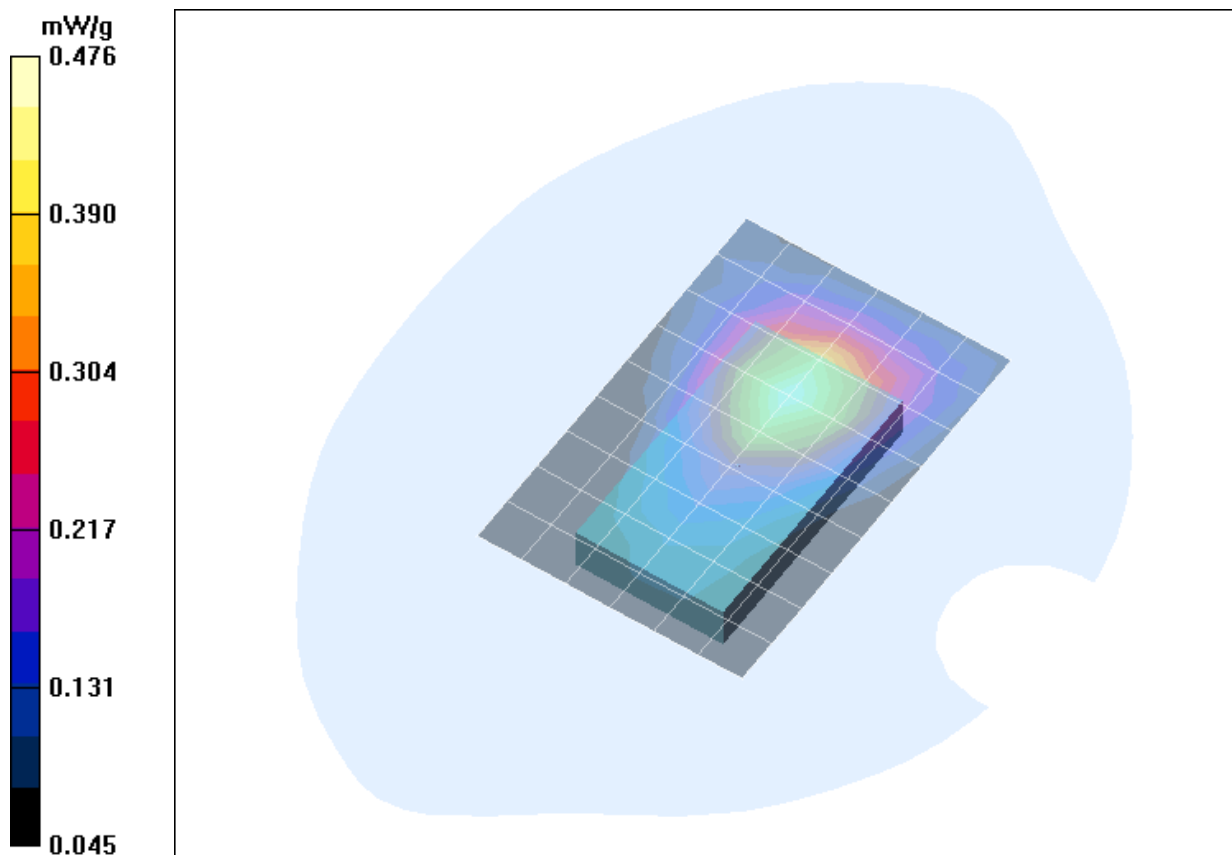


Fig. 2: SAR distribution for GPRS 850 (Class 11), channel 190, Lap Held Position (Acer TravelMate 4283WLMi_UMTS, March 28, 2007; Ambient Temperature: 22.1°C; Liquid Temperature: 21.3°C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_bahm_1_inspiron.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.66

Medium parameters used: $f = 836.6$ MHz; $\sigma = 1$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Worn/Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.227 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 = -0.122 dB

Peak SAR (extrapolated) = 0.332 W/kg

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.260 mW/g

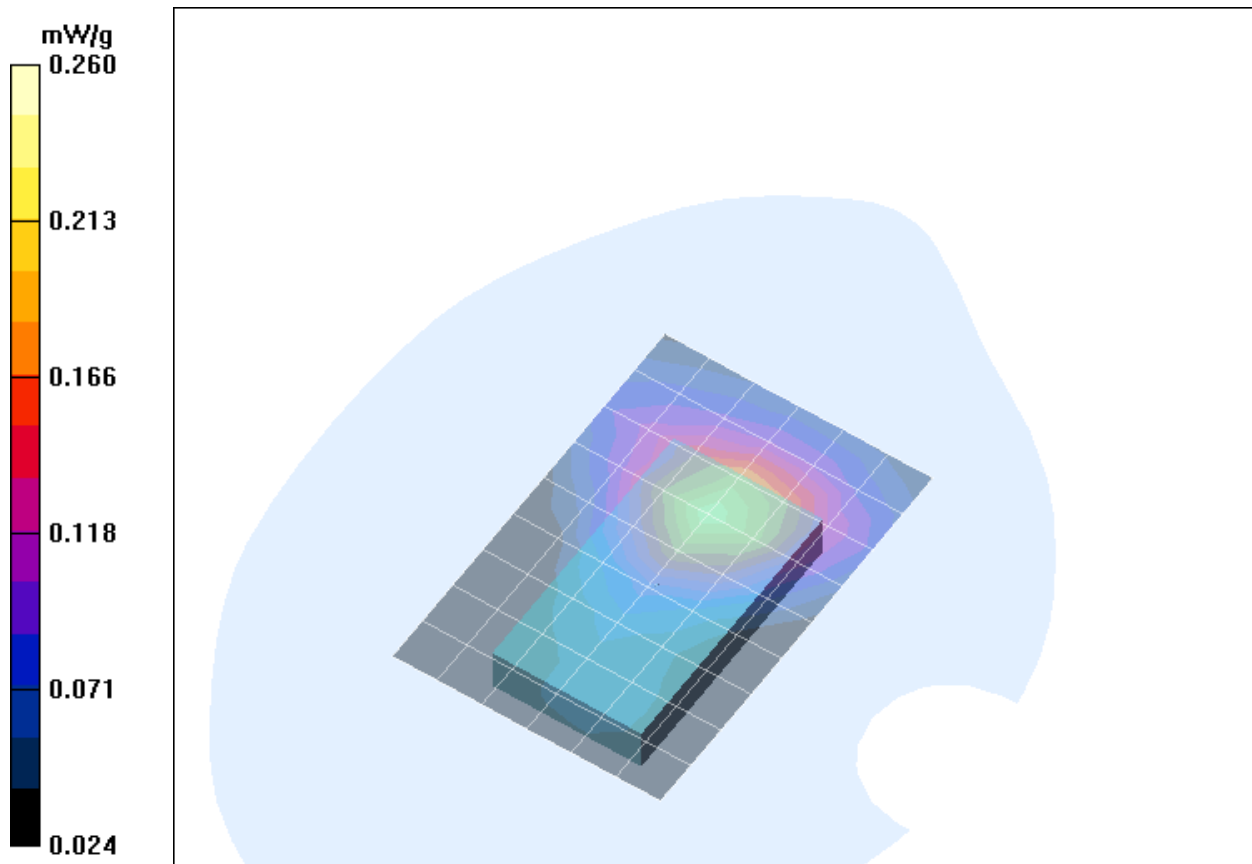


Fig. 3: SAR distribution for GPRS 850 (Class 11), channel 190, Lap Held Position (Dell Inspiron 9100, March 28, 2007; Ambient Temperature: 22.1°C; Liquid Temperature: 21.3°C).

2 SAR Distribution Plots, GPRS 1900 Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yphi_1_DELL.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2
 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 1.18 mW/g

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

Reference Value = 16.2 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.683 mW/g

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

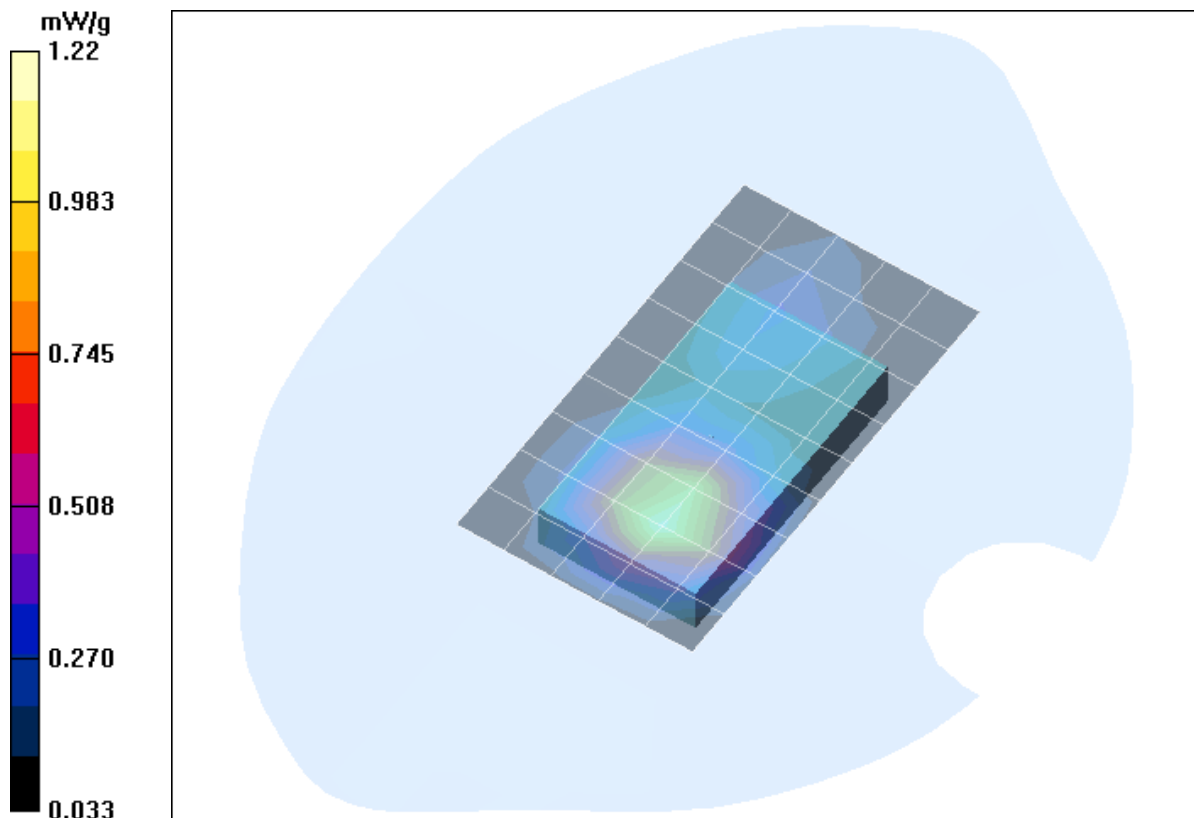


Fig. 4: SAR distribution for GPRS 1900 (Class 12), channel 512, Lap Held Position (DELL Latitude C810, March 28, 2007; Ambient Temperature: 21.9° C; Liquid Temperature: 21.1 C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yphm_1_acer.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006

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

- Electronics: DAE4 Sn631; Calibrated: 11.07.2006

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

- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 0.774 mW/g

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

Reference Value = 20.4 V/m; Power Drift = -0.053 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.734 mW/g; SAR(10 g) = 0.445 mW/g

Maximum value of SAR (measured) = 0.797 mW/g

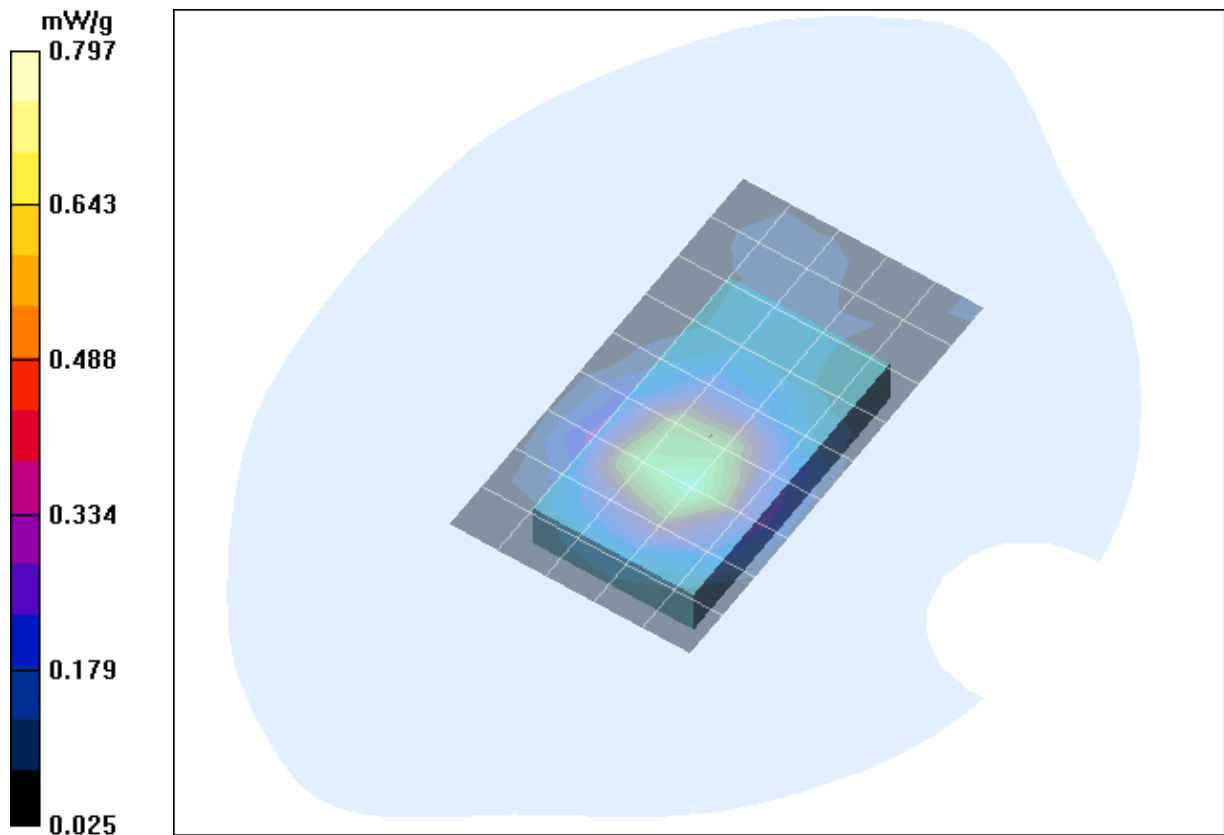


Fig. 5: SAR distribution for GPRS 1900 (Class 12), channel 661, Lap Held Position (Acer TravelMate 4283WLMi_UMTS, March 28, 2007; Ambient Temperature: 21.9° C; Liquid Temperature: 21.1 C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yphm_1_inspiron.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 52.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 0.812 mW/g

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

Reference Value = 17.5 V/m; Power Drift = -0.086 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.439 mW/g

Maximum value of SAR (measured) = 0.789 mW/g

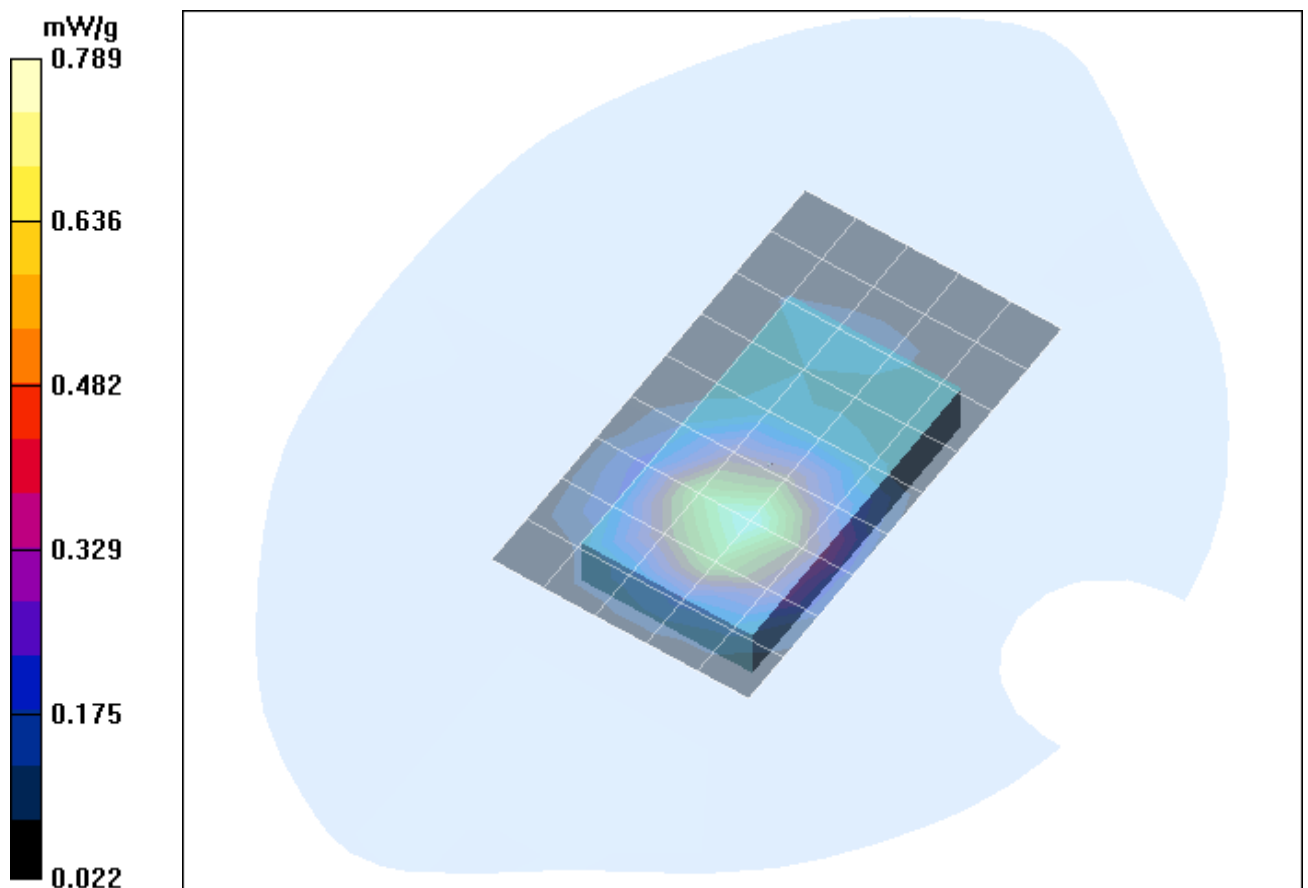


Fig. 6: SAR distribution for GPRS 1900 (Class 12), channel 661, Lap Held Position (Dell Inspiron 9100, March 28, 2007; Ambient Temperature: 21.9° C; Liquid Temperature: 21.1 C).

3 SAR Distribution Plots, WCDMA II (FDD) Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yullhm_1_Dell.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA FDD Band II; Frequency: 1880 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Worn/Area Scan (6x10x1): 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 = 28.1 V/m; Power Drift = 0.121 dB

Peak SAR (extrapolated) = 1.98 W/kg

SAR(1 g) = 1.24 mW/g; SAR(10 g) = 0.742 mW/g

Maximum value of SAR (measured) = 1.34 mW/g

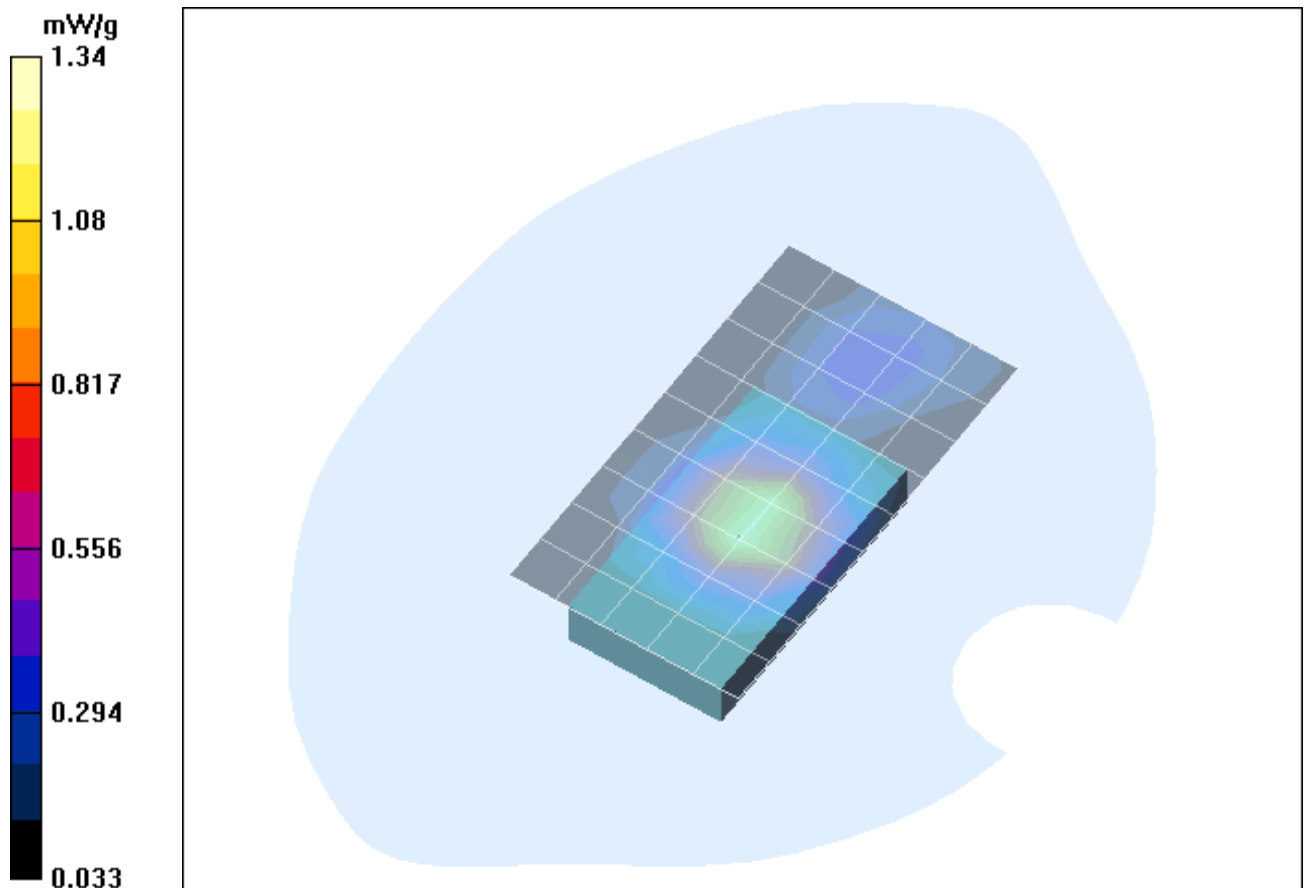


Fig. 7: SAR distribution for WCDMA II (FDD), channel 9400, Lap Held Position (DELL Latitude C810, March 29, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yullhm_1_acer.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA FDD Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006

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

- Electronics: DAE4 Sn631; Calibrated: 11.07.2006

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

- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

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

Reference Value = 24.3 V/m; Power Drift = 0.190 dB

Peak SAR (extrapolated) = 1.38 W/kg

SAR(1 g) = 0.884 mW/g; SAR(10 g) = 0.542 mW/g

Maximum value of SAR (measured) = 0.956 mW/g

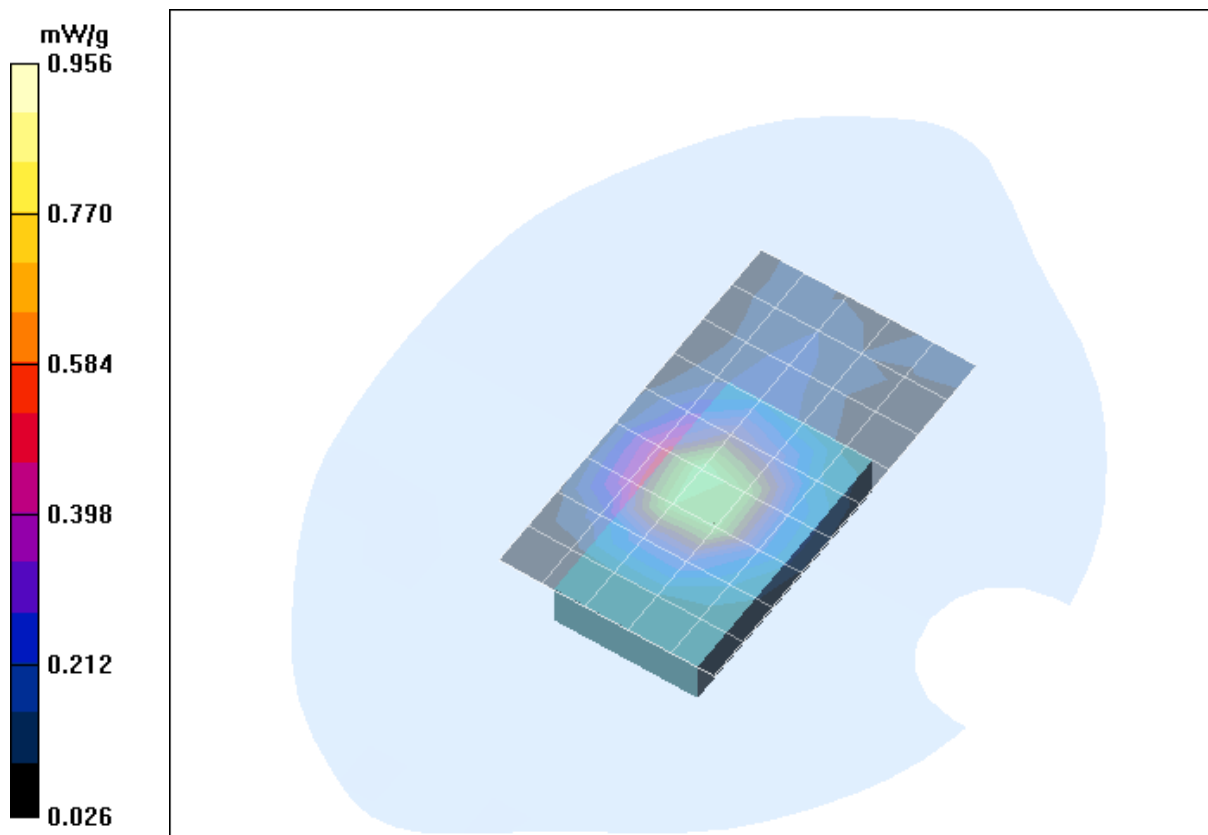


Fig. 8: SAR distribution for WCDMA II (FDD), channel 9400, Lap Held Position (Acer TravelMate 4283WLMi_UMTS, March 29, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yullhm_1_inspiron.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA FDD Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006

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

- Electronics: DAE4 Sn631; Calibrated: 11.07.2006

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

- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 1.08 mW/g

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

Reference Value = 21.9 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.74 W/kg

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.672 mW/g

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

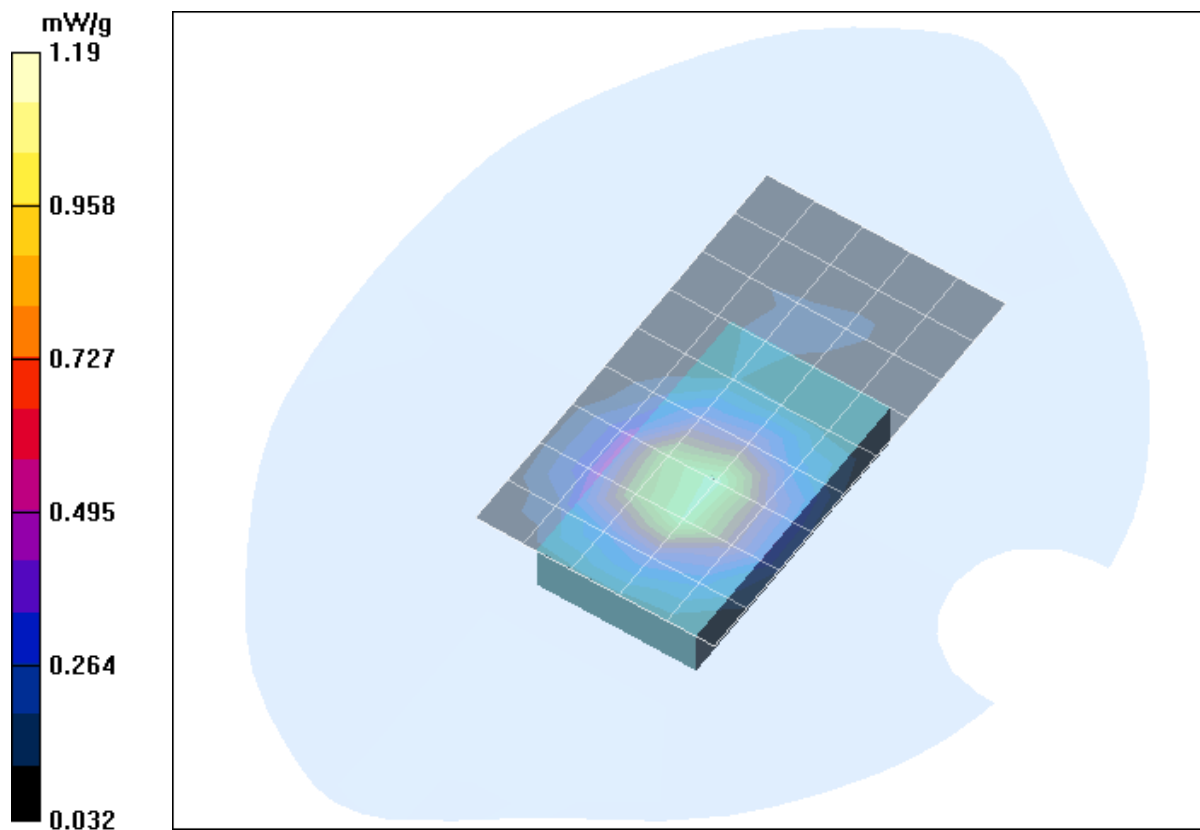


Fig. 9: SAR distribution for WCDMA II (FDD), channel 9400, Lap Held Position (Dell Inspiron 9100, March 29, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Zal_yullhm_1_Dell_hsdpa.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA FDD Band II; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.07, 8.07, 8.07); Calibrated: 27.09.2006

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

- Electronics: DAE4 Sn631; Calibrated: 11.07.2006

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

- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 1.04 mW/g

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

Reference Value = 25.3 V/m; Power Drift = 0.112 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.632 mW/g

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

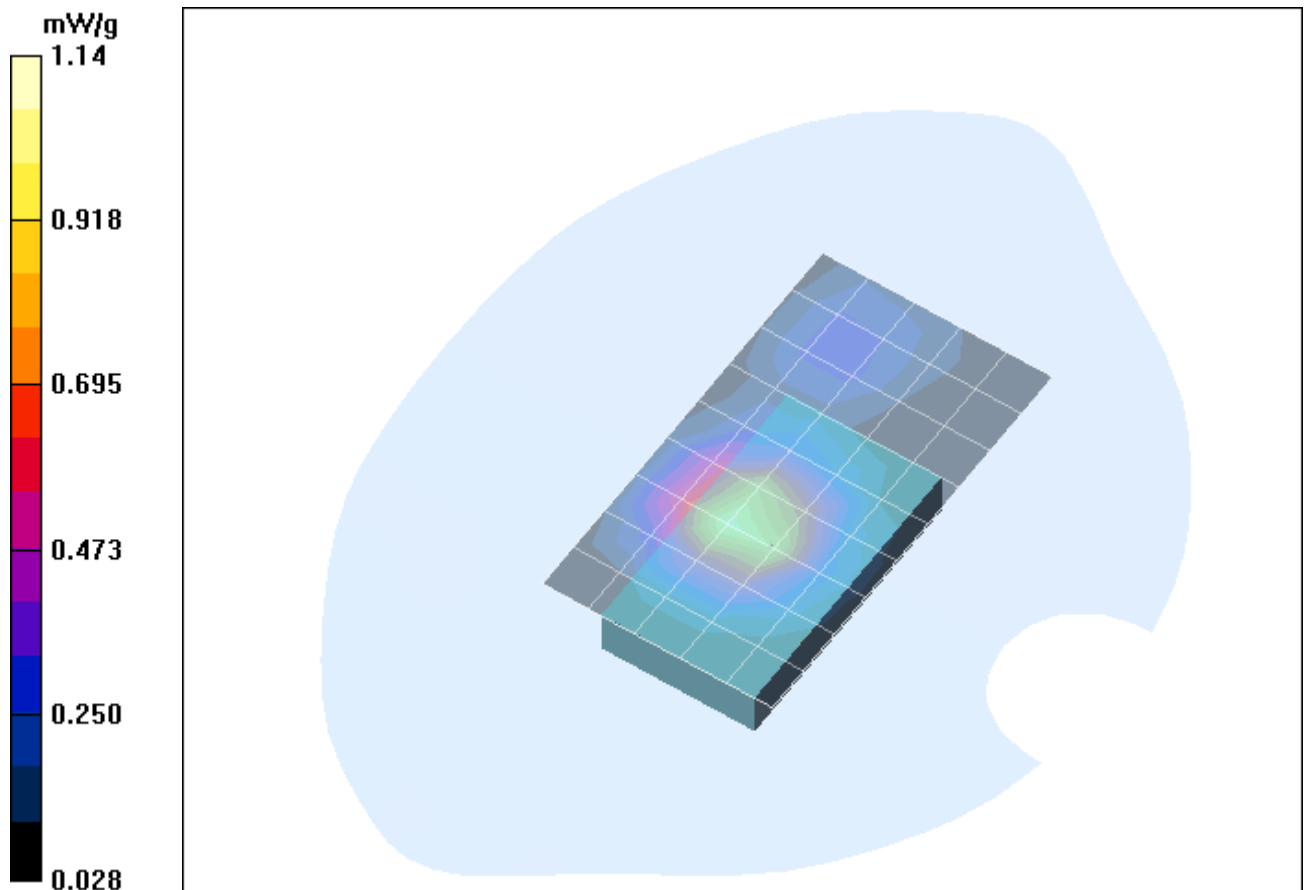


Fig. 10: SAR distribution for WCDMA II (FDD), HSDPA, channel 9400, Lap Held Position (DELL Latitude C810, March 29, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

4 SAR Distribution Plots, WCDMA V (FDD) Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_yphh_1_DELL.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA (FDD) Band V; Frequency: 836.5 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 53.7$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 0.264 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.373 W/kg

SAR(1 g) = 0.254 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 0.284 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.288 W/kg

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.120 mW/g

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

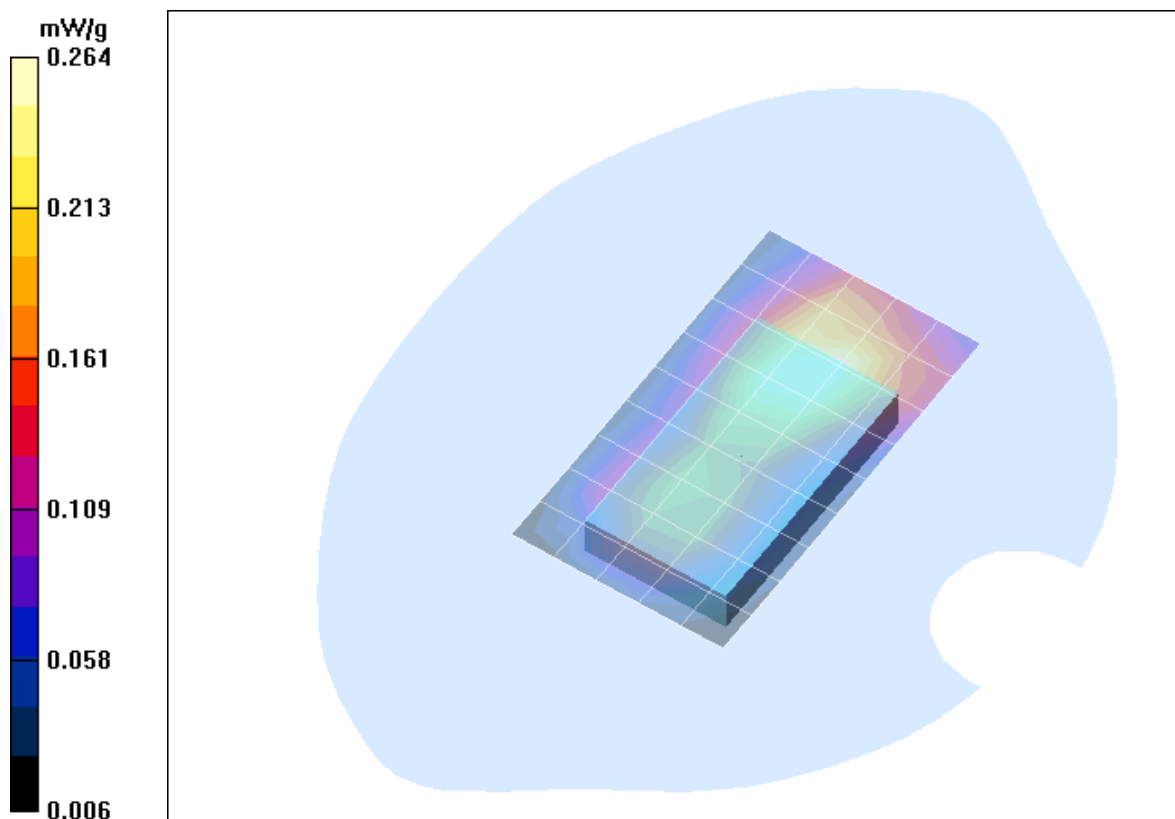


Fig. 11: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (DELL Latitude C810, March 29, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_bVhm_1_Acer.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA (FDD) Band V; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

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

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

Reference Value = 14.2 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.447 W/kg

SAR(1 g) = 0.319 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 0.344 mW/g

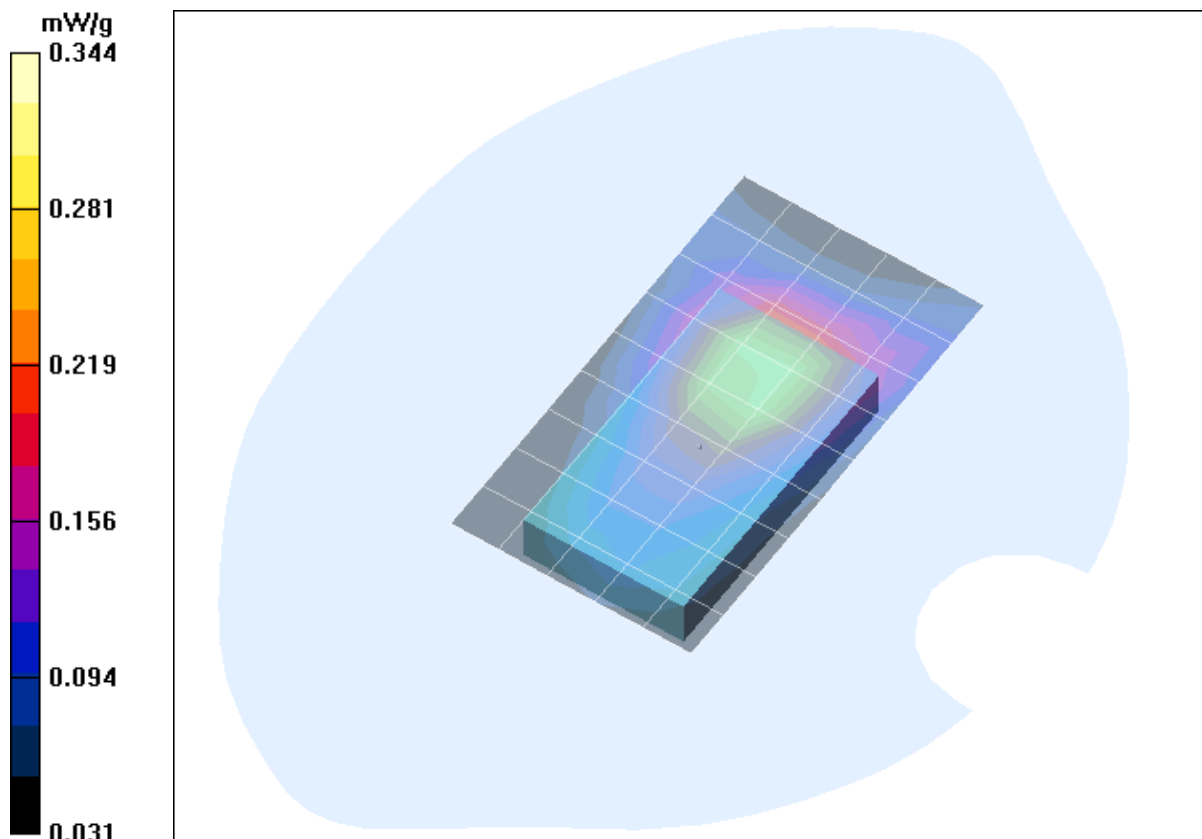


Fig. 12: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (Acer TravelMate 4283WLMi_UMTS, March 29, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_bVhm_1_inspiron.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA (FDD) Band V; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 0.230 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 = -0.056 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.145 mW/g

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

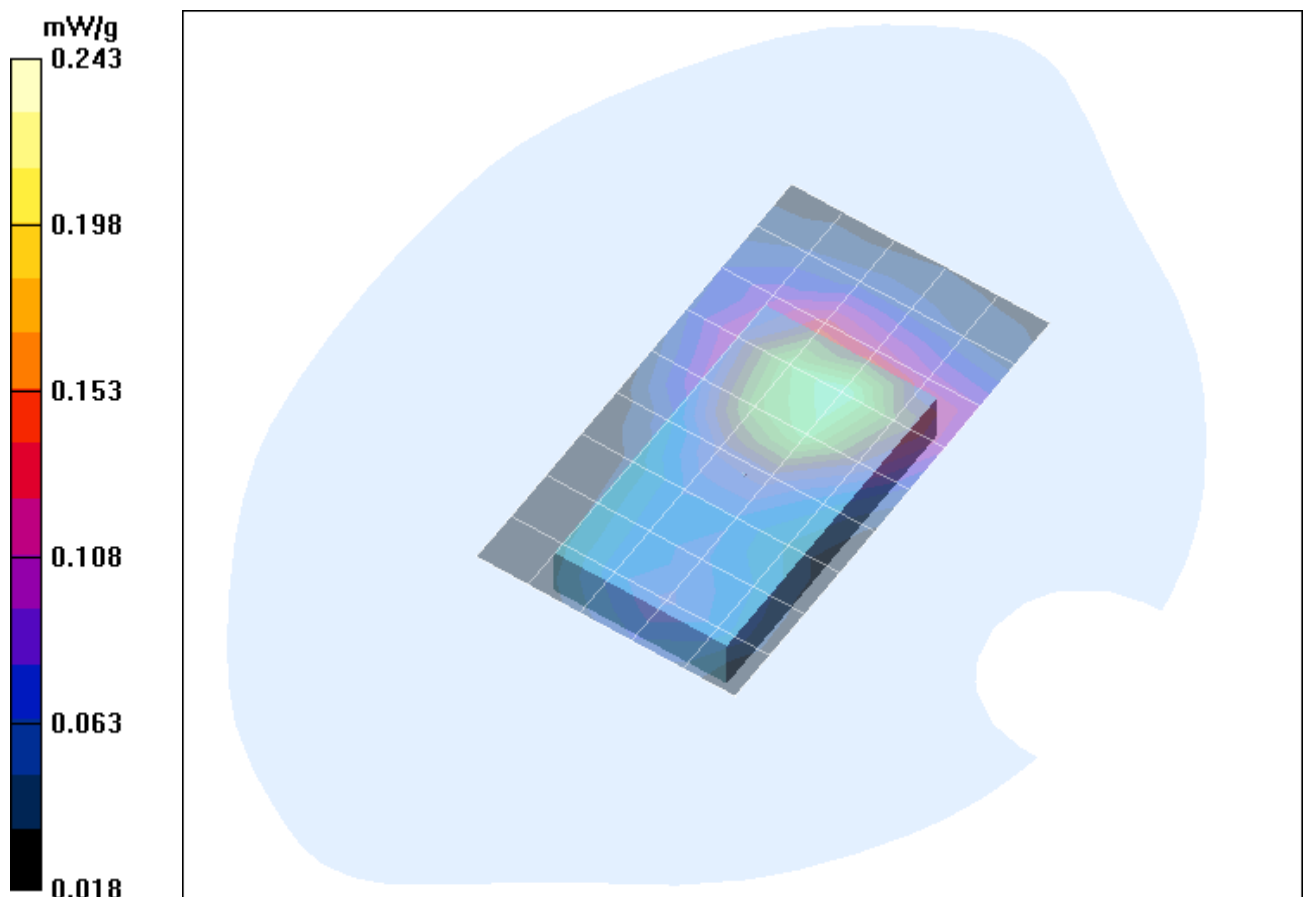


Fig. 13: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (Dell Inspiron 9100, March 29, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Zal_bVhm_1_acer_hsdpa.da4](#)

DUT: Option; Type: ICON II; Serial: 352375010296788

Program Name: Body Worn

Communication System: WCDMA (FDD) Band V; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.6$ MHz; $\sigma = 1.01$ mho/m; $\epsilon_r = 53.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(6.22, 6.22, 6.22); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 0.269 mW/g

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

Reference Value = 13.6 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.302 mW/g

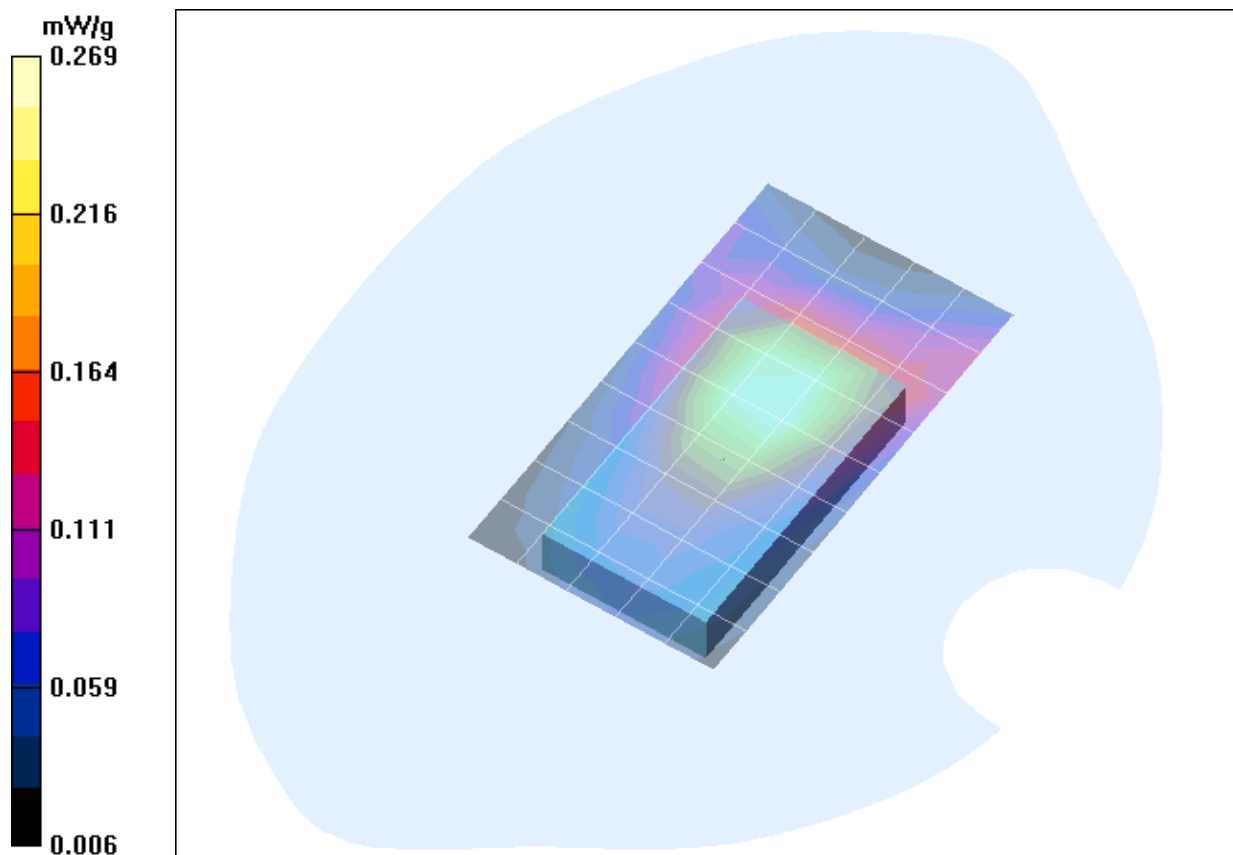


Fig. 14: SAR distribution for WCDMA V (FDD), HSDPA, channel 4183, Lap Held Position (Acer TravelMate 4283WLMi_UMTS, March 29, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.4° C).

5 SAR z-axis scans (Validation)

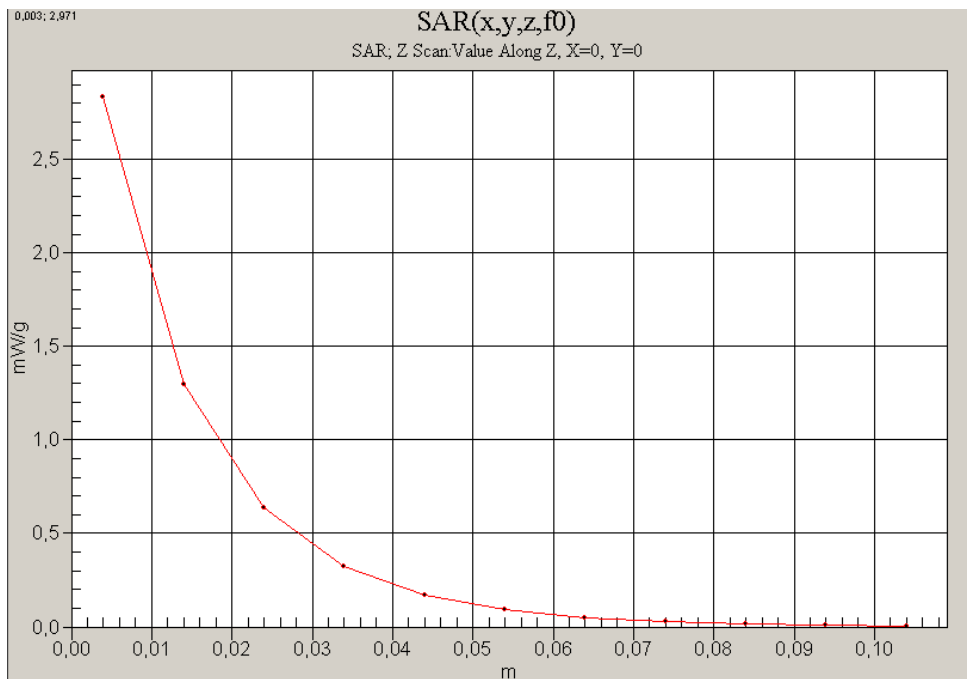


Fig. 15: SAR versus liquid depth, 835 MHz (GPRS 850), body (March 28, 2007; Ambient Temperature: 22.0° C; Liquid Temperature : 21.1° C).

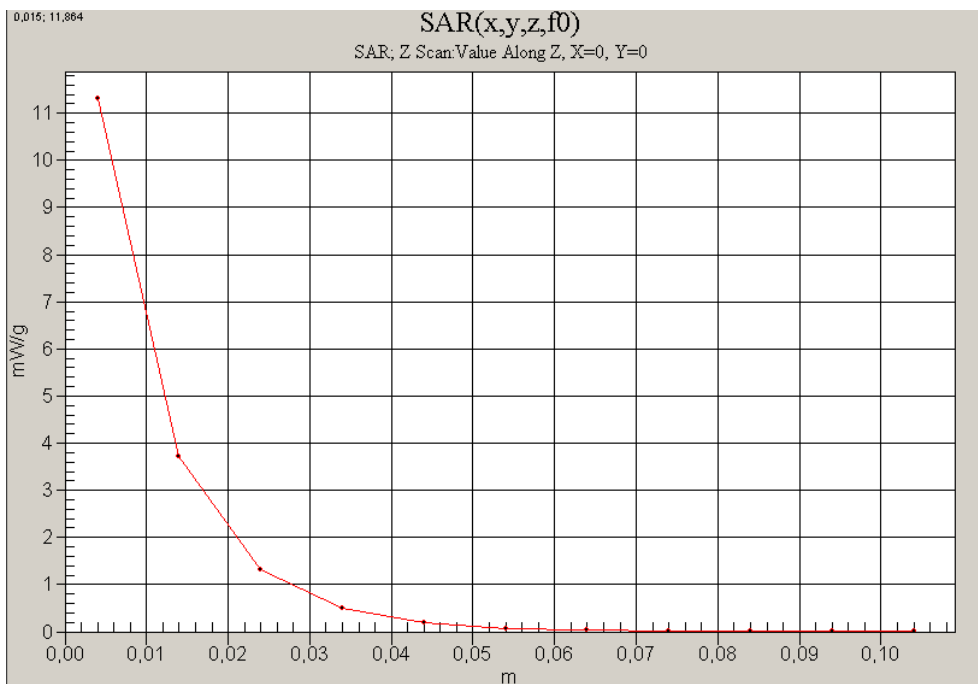


Fig. 16: SAR versus liquid depth, 1900 MHz (GPRS 1900), body (March 28, 2007; Ambient Temperature: 22.1° C; Liquid Temperature : 21.2° C).

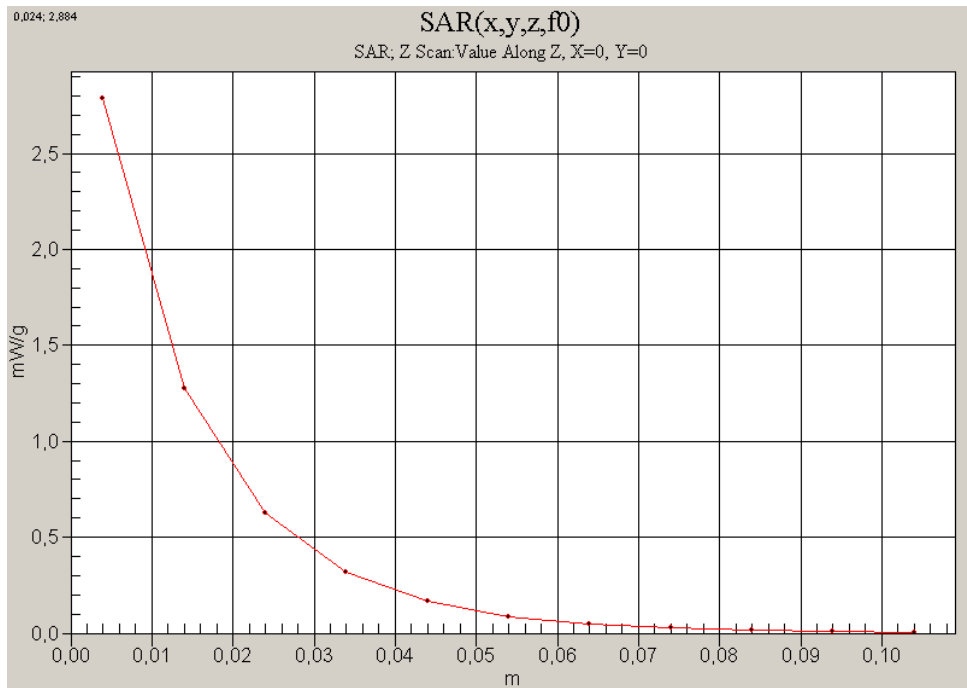


Fig. 17: SAR versus liquid depth, 835 MHz (WCDMA V), body (March 29, 2007; Ambient Temperature: 22.6° C; Liquid Temperature : 21.5° C).

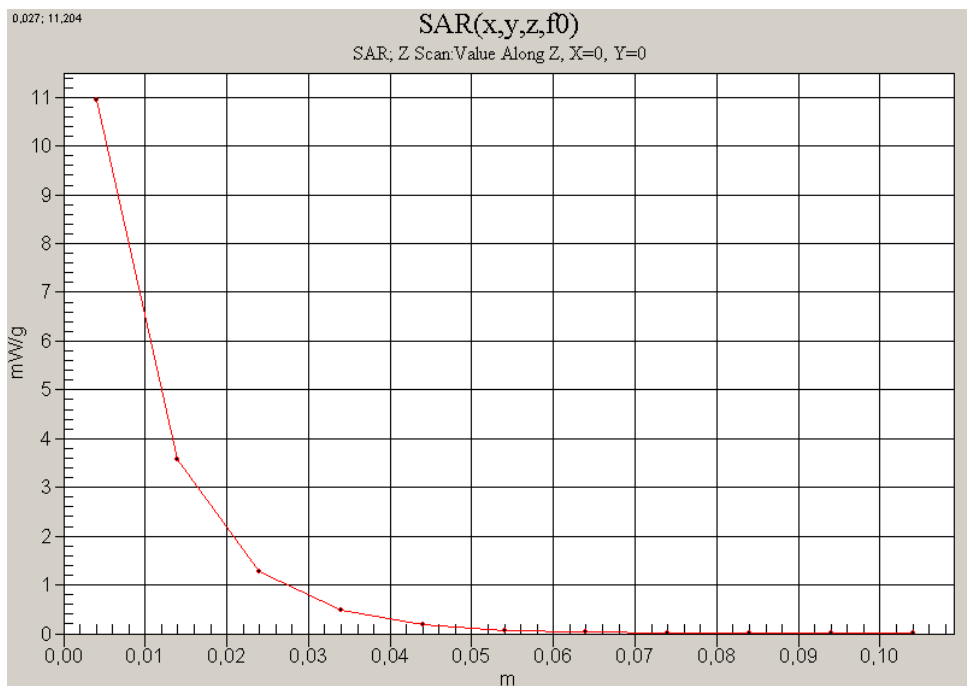


Fig. 18: SAR versus liquid depth, 1900 MHz (WCDMA II), body (March 29, 2007; Ambient Temperature: 22.4° C; Liquid Temperature : 21.3° C).

6 SAR z-axis scans (Measurements)

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

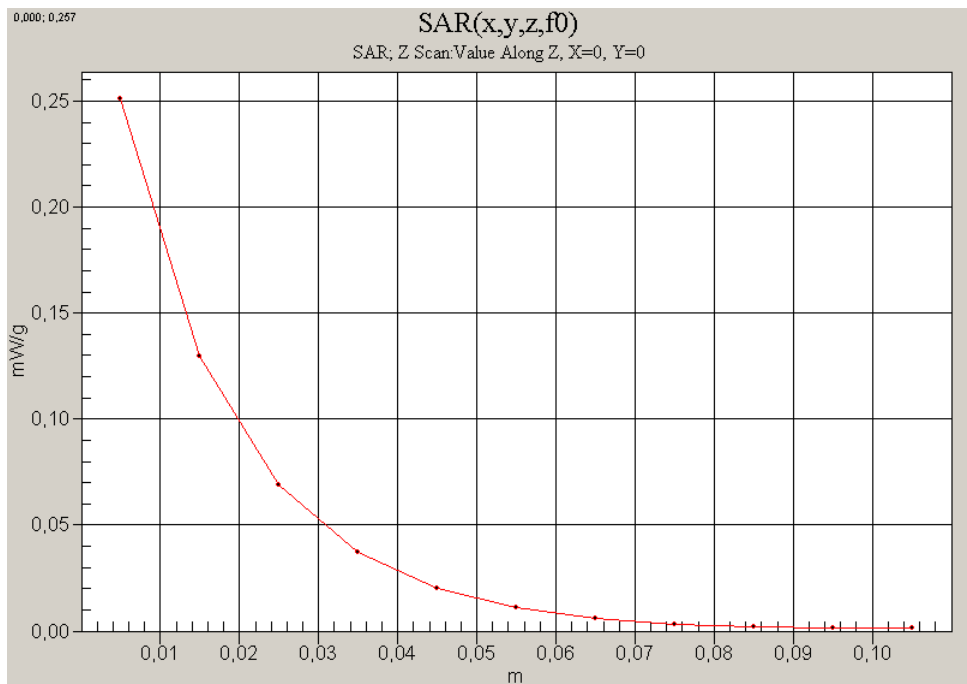


Fig. 19: SAR versus liquid depth, body: GPRS 850, channel 190 (Dell Latitude C810, March 28, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3° C).

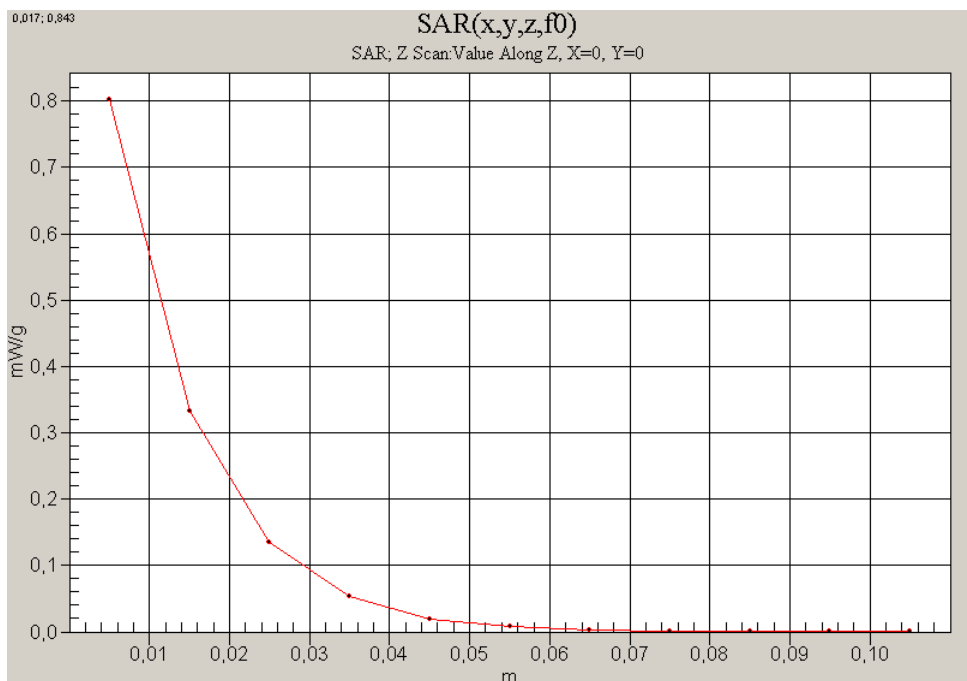


Fig. 20: SAR versus liquid depth, body: GPRS 1900, channel 512 (Dell Latitude C810, March 28, 2007; Ambient Temperature: 21.9° C; Liquid Temperature: 21.1° C).

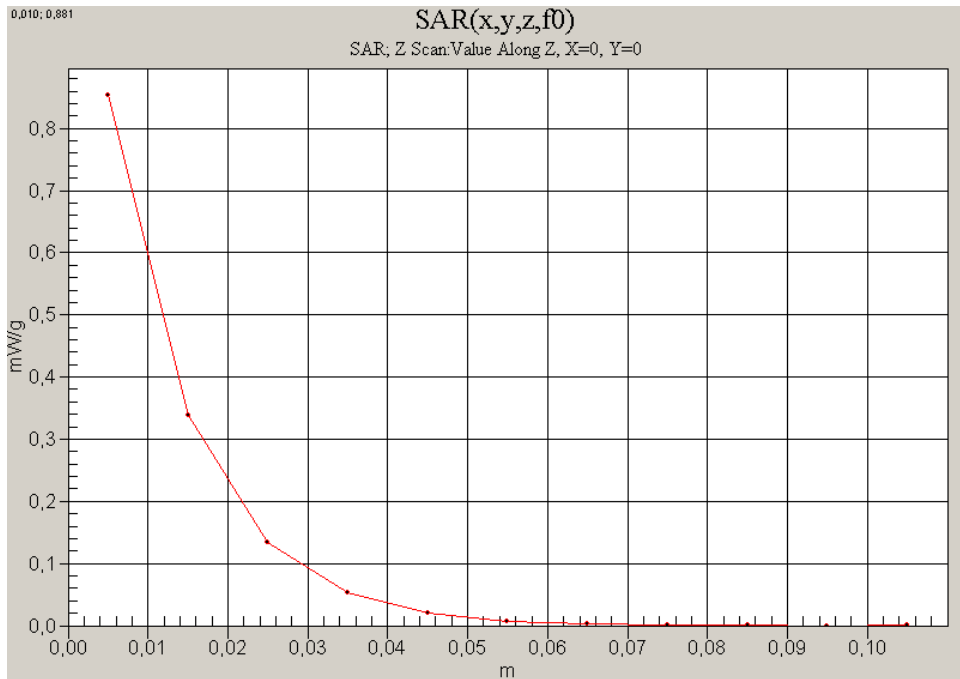


Fig. 21: SAR versus liquid depth, body: WCDMA II (FDD), channel 9400 (Dell Latitude C810, March 29, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

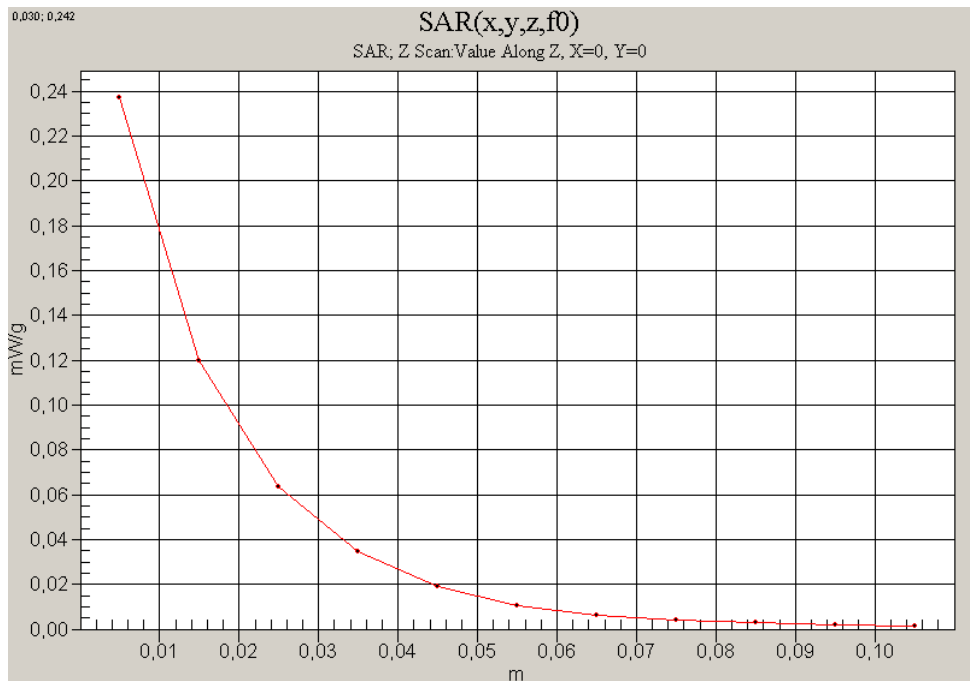


Fig. 22: SAR versus liquid depth, body: WCDMA V (FDD), channel 4183 (Acer TravelMate 4283WLMi_UMTS, March 29, 2007; Ambient Temperature: 22.6° C; Liquid Temperature : 21.4° C).