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**Appendix for the Report**  
**Dosimetric Assessment of the**  
**GlobeTrotter GT from Option**  
**(FCC ID: NCMOGX0301)**  
**According to the FCC Requirements**  
**SAR Distribution Plots**

August 16, 2007  
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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: [542\\_bahm\\_1\\_latitude.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 54.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(9.94, 9.94, 9.94); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- 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 (8x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.714 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 = 22.4 V/m; Power Drift = 0.149 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.829 mW/g; SAR(10 g) = 0.479 mW/g**

Maximum value of SAR (measured) = 0.900 mW/g

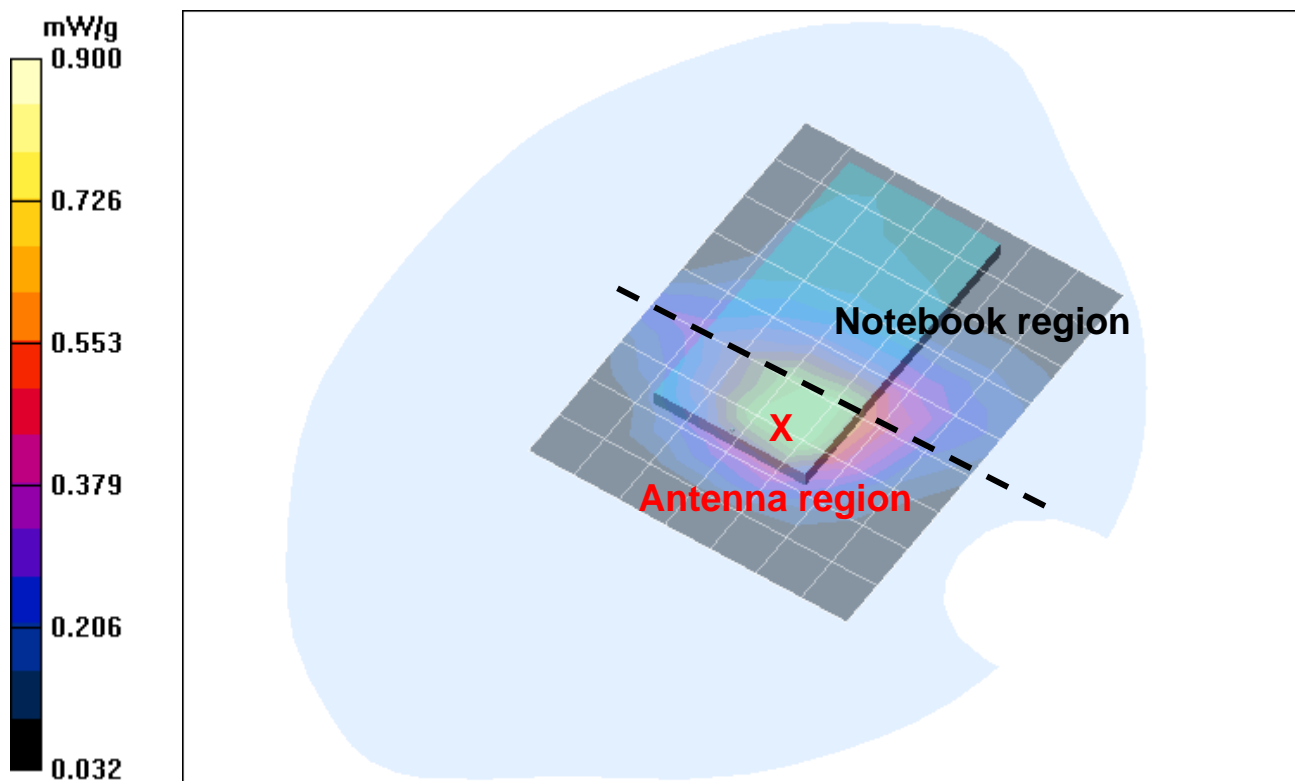


Fig. 1: SAR distribution for GPRS 850 (Class 11), channel 190, Lap Held Position (DELL Latitude C810, April 18, 2007; Ambient Temperature: 22.4°C; Liquid Temperature: 21.4°C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [542\\_bahm\\_1\\_acer.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

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;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(9.94, 9.94, 9.94); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- 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 (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.314 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.452 W/kg

**SAR(1 g) = 0.309 mW/g; SAR(10 g) = 0.209 mW/g**

Maximum value of SAR (measured) = 0.331 mW/g

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

Reference Value = 16.3 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.116 mW/g**

Maximum value of SAR (measured) = 0.174 mW/g

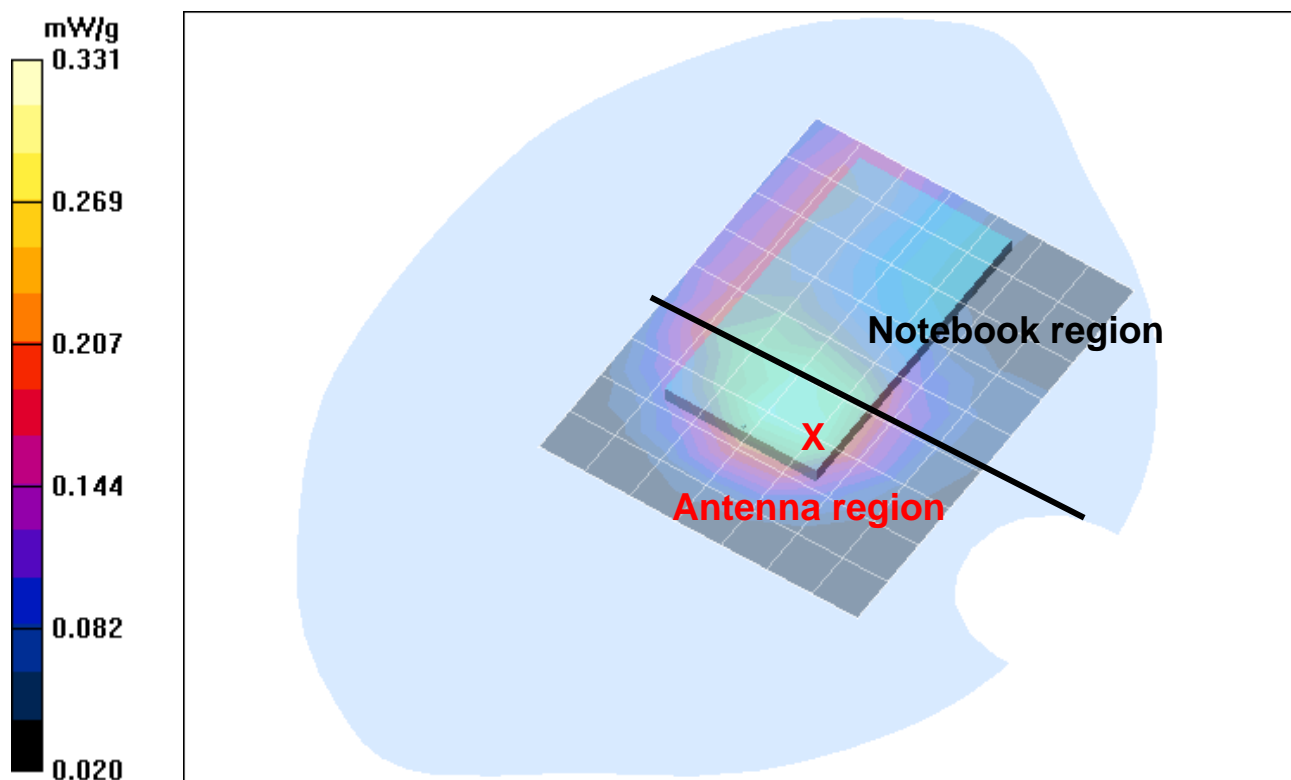


Fig. 2: SAR distribution for GPRS 850 (Class 11), channel 190, Lap Held Position (Acer TravelMate, April 18, 2007; Ambient Temperature: 22.4°C; Liquid Temperature: 21.4°C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [542\\_bahh\\_1\\_hp.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.66

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 1$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(9.94, 9.94, 9.94); Calibrated: 27.09.2006

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

- Electronics: DAE4 Sn631; Calibrated: 11.07.2006

- 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 (8x10x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 27.9 V/m; Power Drift = -0.049 dB

Peak SAR (extrapolated) = 2.12 W/kg

**SAR(1 g) = 1.28 mW/g; SAR(10 g) = 0.772 mW/g**

Maximum value of SAR (measured) = 1.40 mW/g

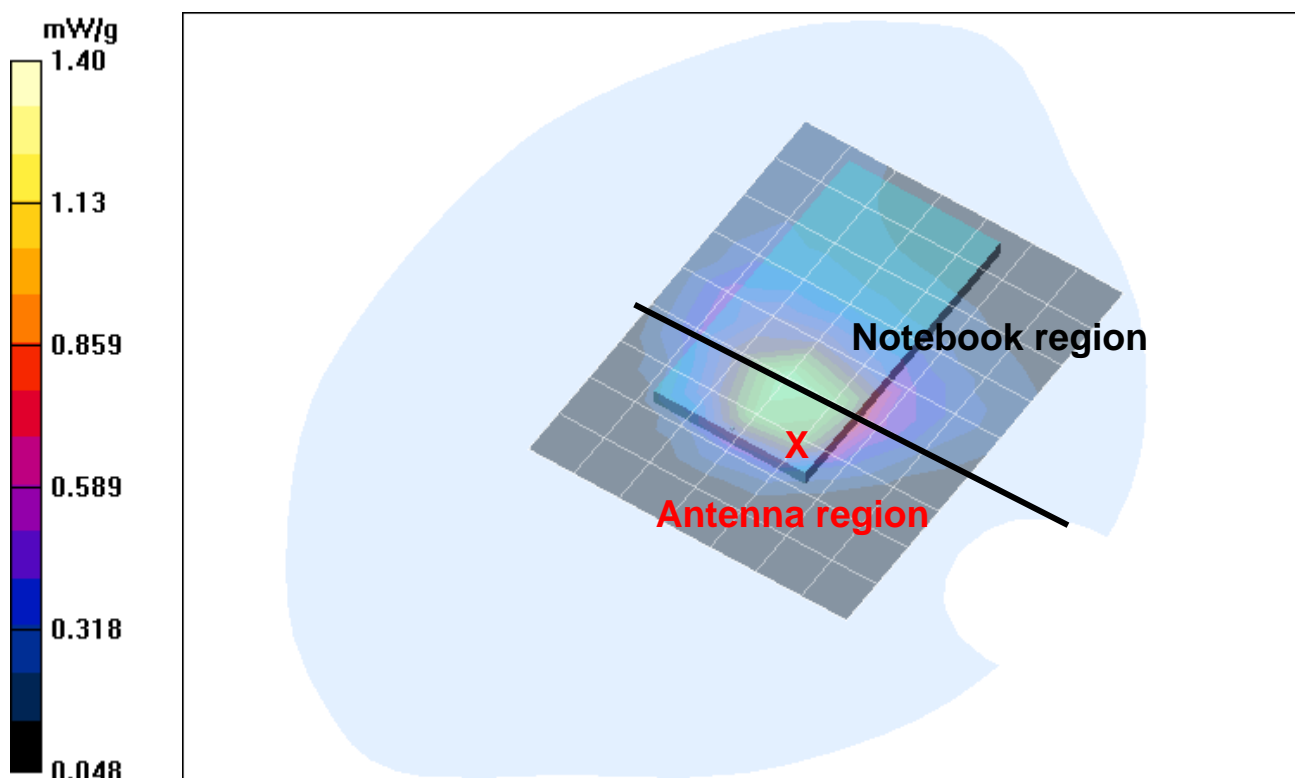


Fig. 3: SAR worst case distribution for GPRS 850 (Class 11), channel 251, Lap Held Position (HP Compaq nc6320, April 18, 2007; Ambient Temperature: 22.4°C; Liquid Temperature: 21.4°C).

## 2 SAR Distribution Plots, GPRS 1900 Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [542\\_yphl\\_1\\_latitude.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x10x1):** 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 = 25.9 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 2.09 W/kg

**SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.719 mW/g**

Maximum value of SAR (measured) = 1.38 mW/g

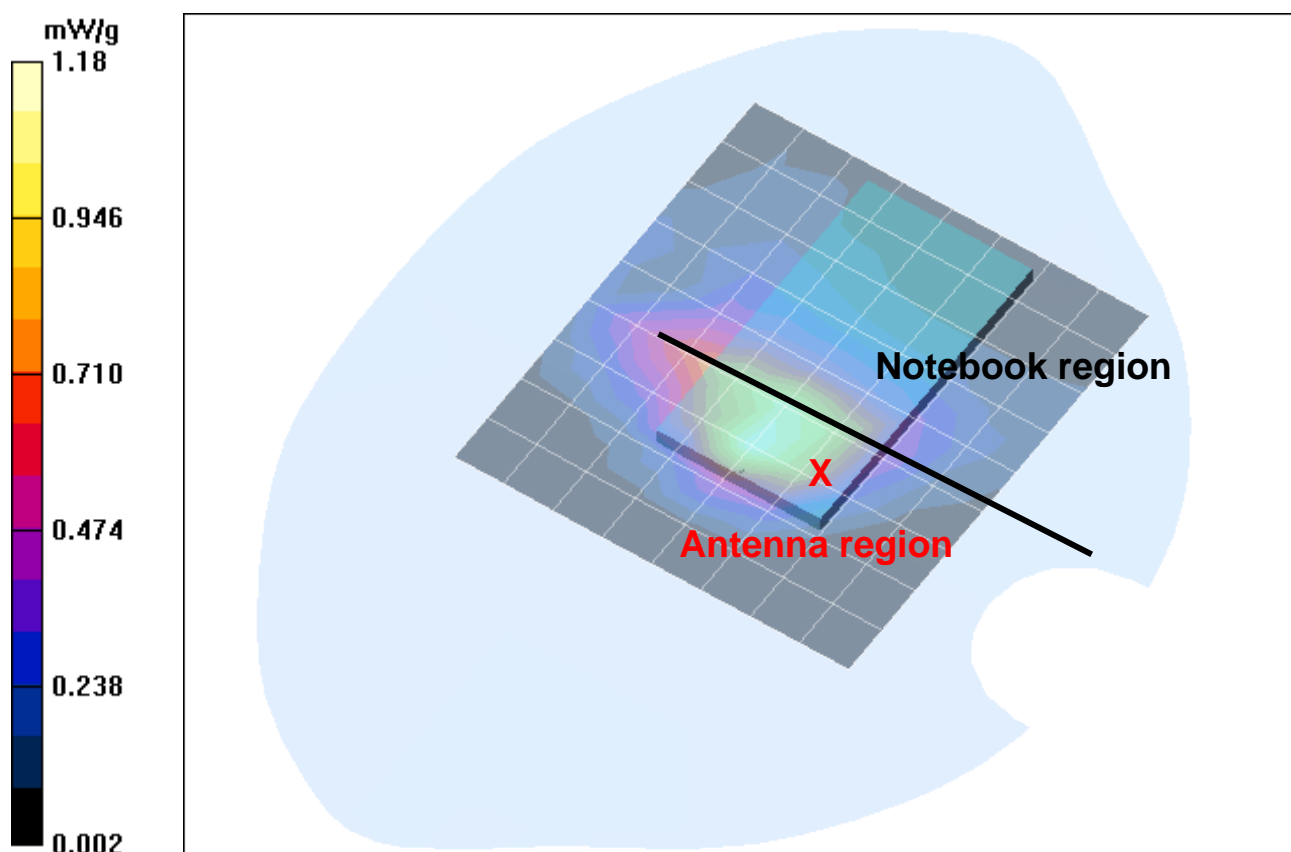


Fig. 4: SAR distribution for GPRS 1900 (Class 12), channel 512, Lap Held Position (DELL Latitude C810, April 24, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3 C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [542\\_yphm\\_1\\_acer.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 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 (9x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.766 mW/g

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

Reference Value = 14.9 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.466 mW/g**

Maximum value of SAR (measured) = 0.843 mW/g

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

Reference Value = 14.9 V/m; Power Drift = 0.008 dB

Peak SAR (extrapolated) = 0.780 W/kg

**SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.277 mW/g**

Maximum value of SAR (measured) = 0.520 mW/g

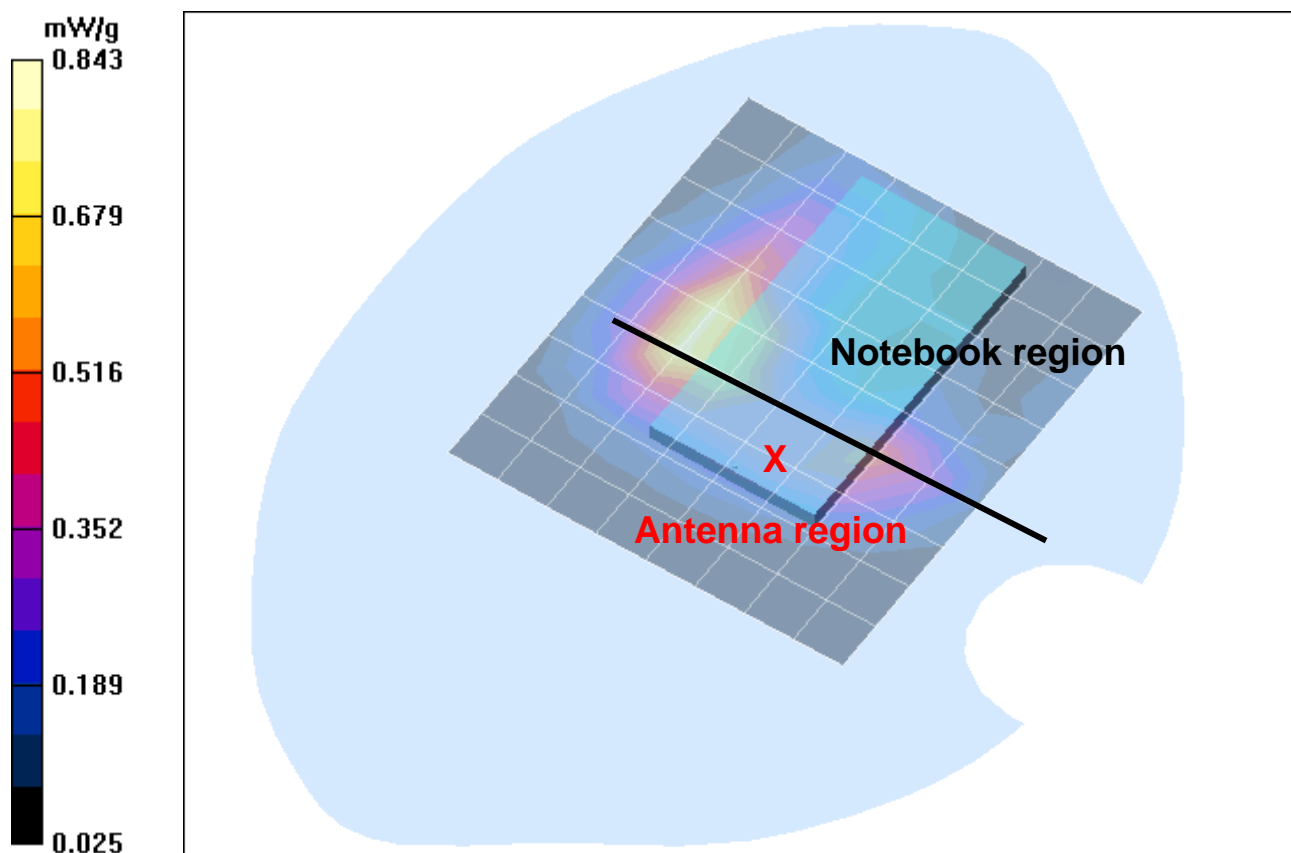


Fig. 5: SAR distribution for GPRS 1900 (Class 12), channel 661, Lap Held Position (Acer TravelMate, April 24, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3 C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [542\\_yphm\\_1\\_HP.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.43 mW/g

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

Reference Value = 19.6 V/m; Power Drift = 0.115 dB

Peak SAR (extrapolated) = 2.26 W/kg

**SAR(1 g) = 1.36 mW/g; SAR(10 g) = 0.804 mW/g**

Maximum value of SAR (measured) = 1.50 mW/g

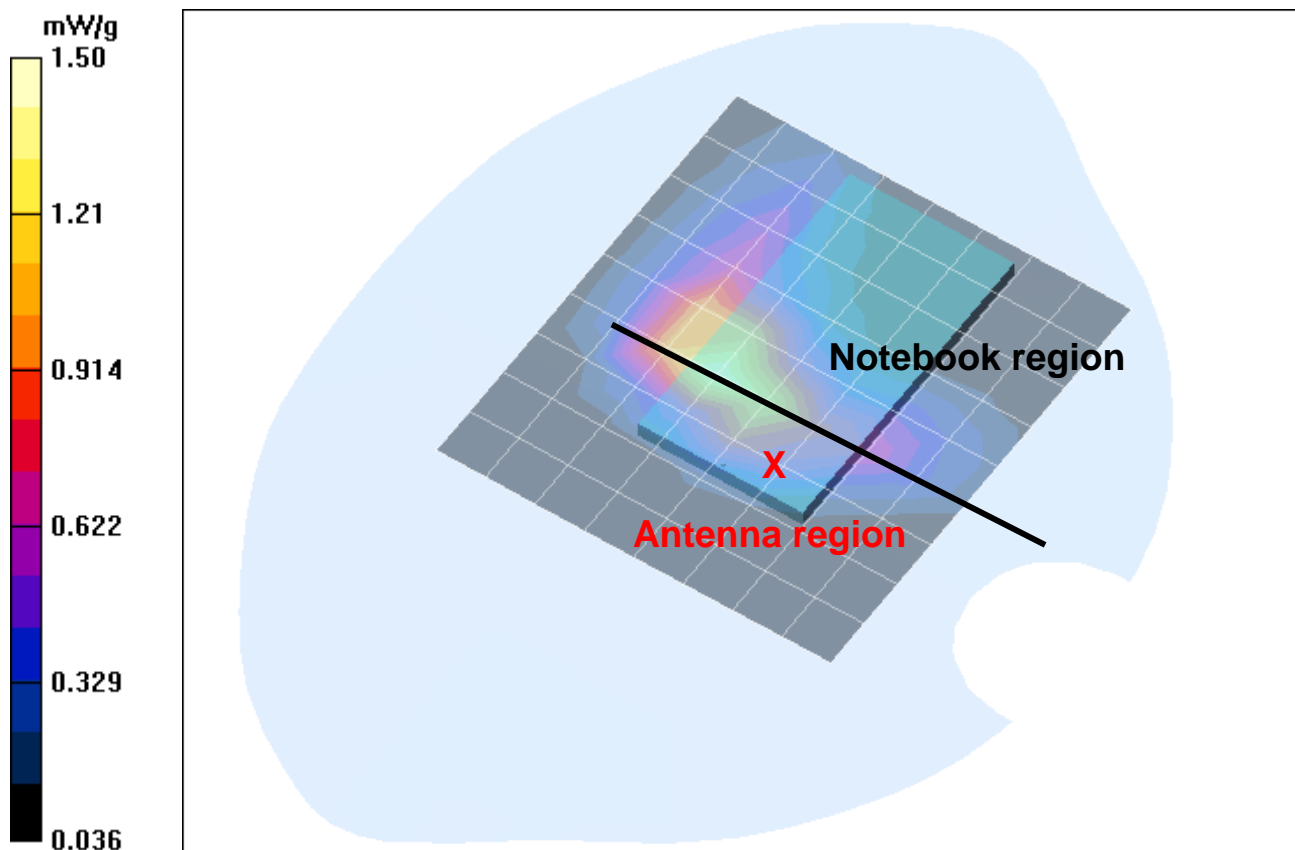


Fig. 6: SAR distribution for GPRS 1900 (Class 12), channel 661, Lap Held Position (HP Compaq nc6320, April 24, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3C).



### 3 SAR Distribution Plots, WCDMA II (FDD) Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [542\\_yullhm\\_1\\_latitude.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.669 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 = 0.052 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.685 mW/g; SAR(10 g) = 0.401 mW/g**

Maximum value of SAR (measured) = 0.740 mW/g

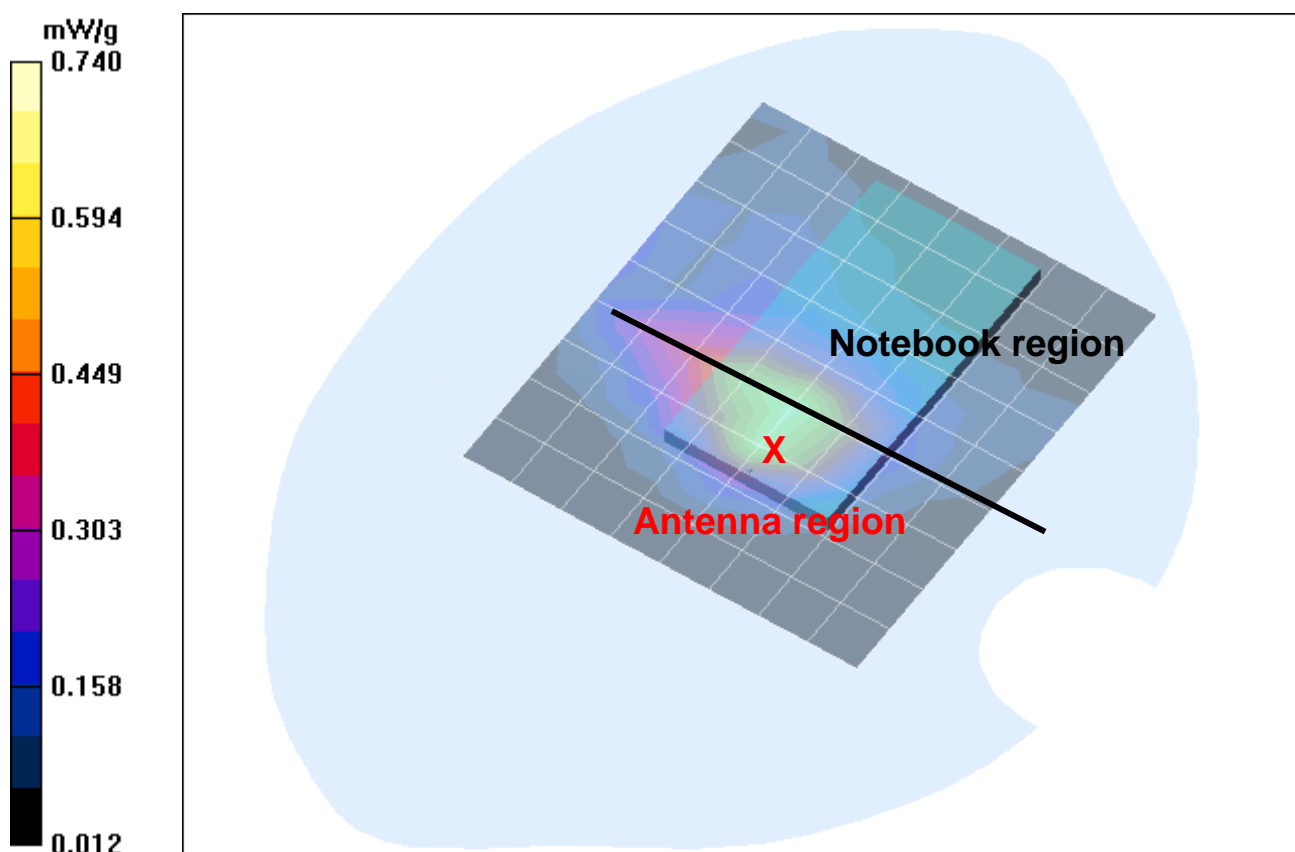


Fig. 7: SAR distribution for WCDMA II (FDD), channel 9400, Lap Held Position (DELL Latitude C810, April 23, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.0° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [542\\_yullhm\\_1\\_acer.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.520 mW/g

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

Reference Value = 11.2 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.836 W/kg

**SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.303 mW/g**

Maximum value of SAR (measured) = 0.561 mW/g

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

Reference Value = 11.2 V/m; Power Drift = 0.137 dB

Peak SAR (extrapolated) = 0.461 W/kg

**SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.305 mW/g

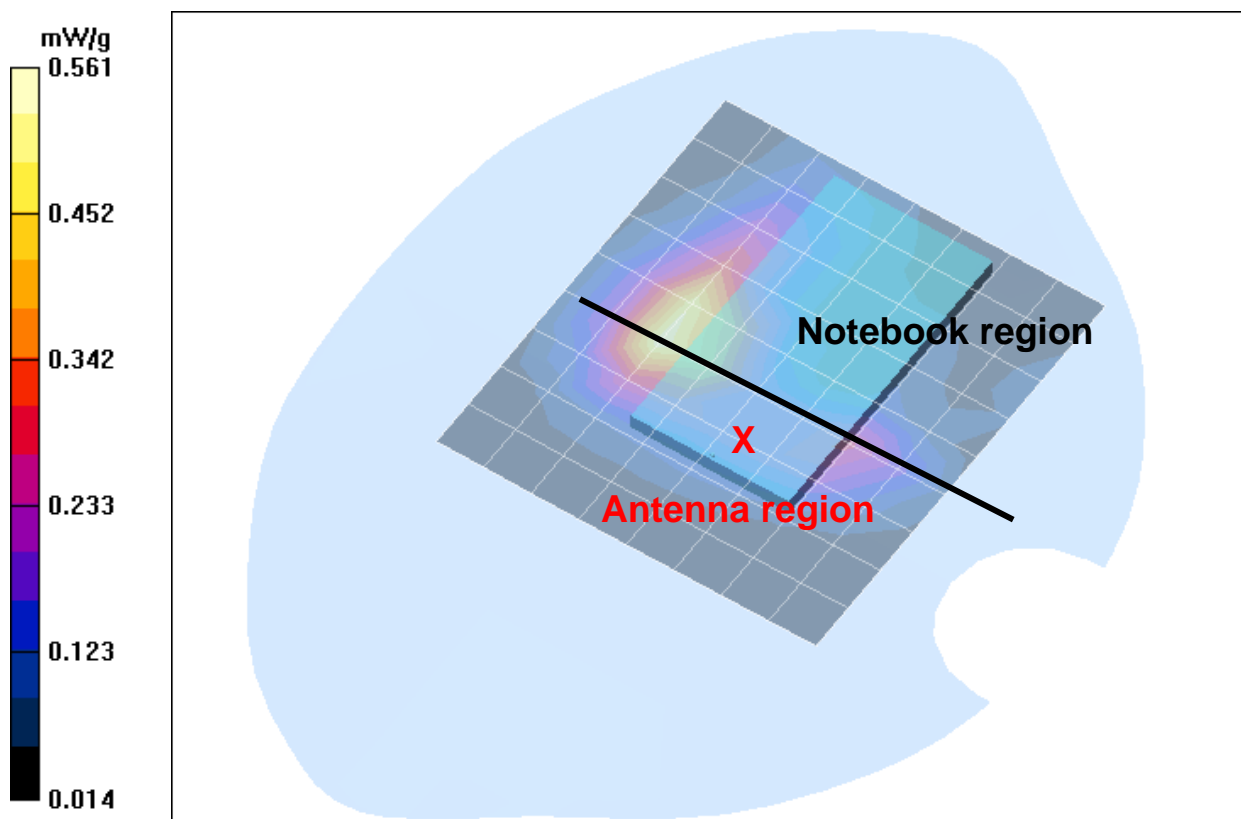


Fig. 8: SAR distribution for WCDMA II (FDD), channel 9400, Lap Held Position (Acer TravelMate, April 23, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.0° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [542\\_yullhl\\_1\\_HP.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

Communication System: WCDMA FDD Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 51.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.937 mW/g

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

Reference Value = 13.8 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 1.65 W/kg

**SAR(1 g) = 0.995 mW/g; SAR(10 g) = 0.583 mW/g**

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

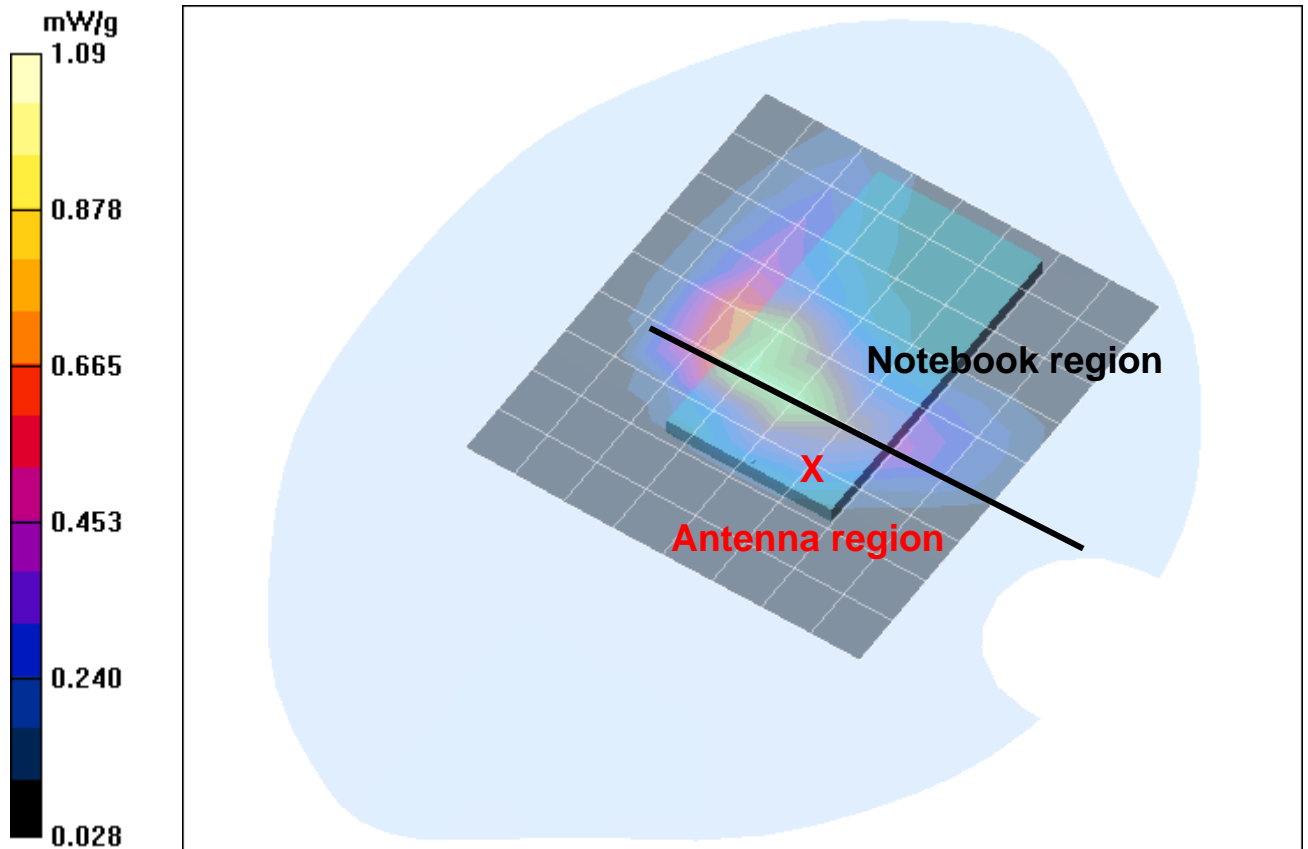


Fig. 9: SAR distribution for WCDMA II (FDD), channel 9262, Lap Held Position (HP Compaq nc6320, April 23, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.0° C).

**Test Laboratory:** The name of your organization; **File Name:** [542\\_yullhl\\_1\\_HP\\_HSDPA\\_2.da4](#)

**DUT:** Option ; **Type:** Etna GT; **Serial:** 004401440467542

**Program Name:** Body Worn

Communication System: WCDMA FDD Band II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 54.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (9x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.807 mW/g

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

Reference Value = 15.9 V/m; Power Drift = 0.161 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.764 mW/g; SAR(10 g) = 0.447 mW/g**

Maximum value of SAR (measured) = 0.843 mW/g

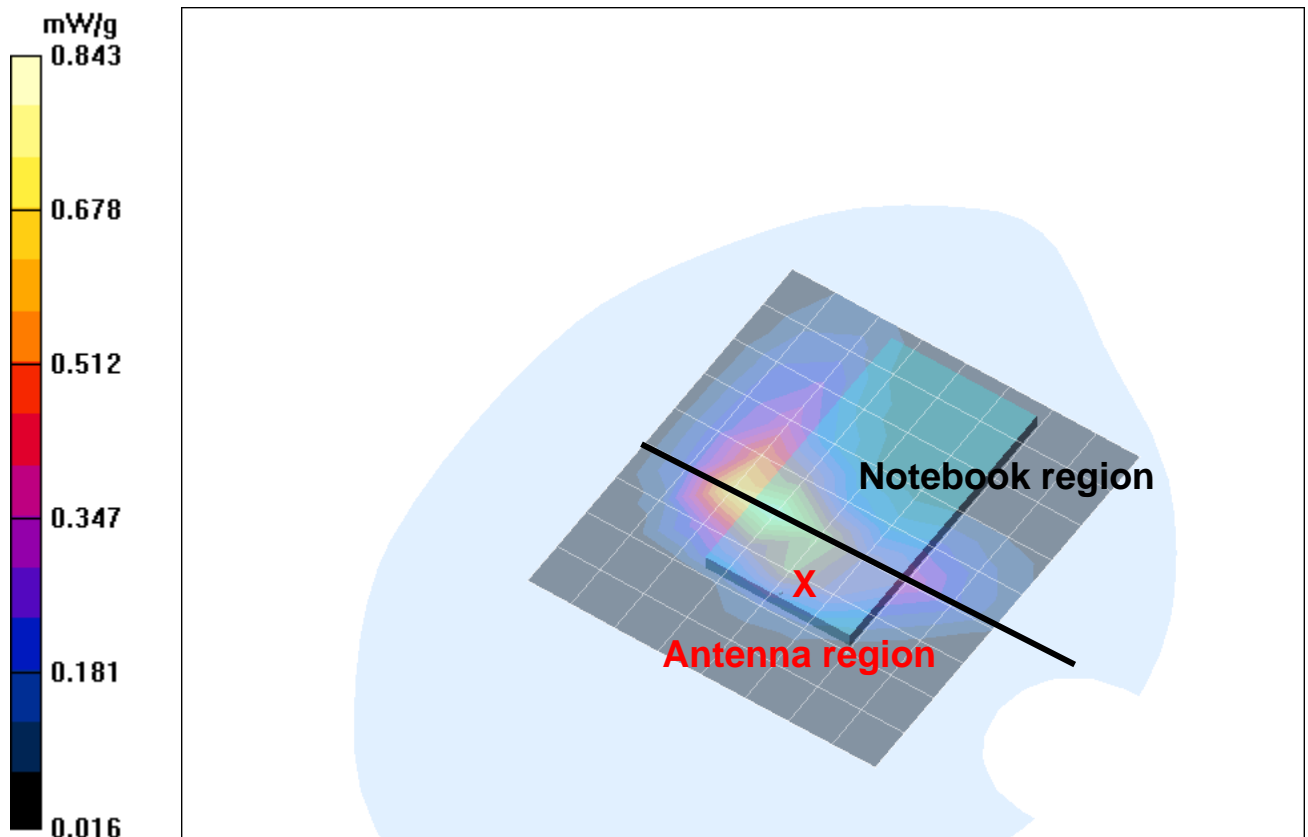


Fig. 10: SAR distribution for WCDMA II (FDD), HSDPA, channel 9262, Lap Held Position (HP Compaq nc 6320, May 29, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.2° C).

## 4 SAR Distribution Plots, WCDMA V (FDD) Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [542\\_buVhm\\_1\\_latitude.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

Program Name: Body Worn

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(9.94, 9.94, 9.94); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- 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 (8x10x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.326 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 = 15.0 V/m; Power Drift = 0.111 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.254 mW/g**

Maximum value of SAR (measured) = 0.404 mW/g

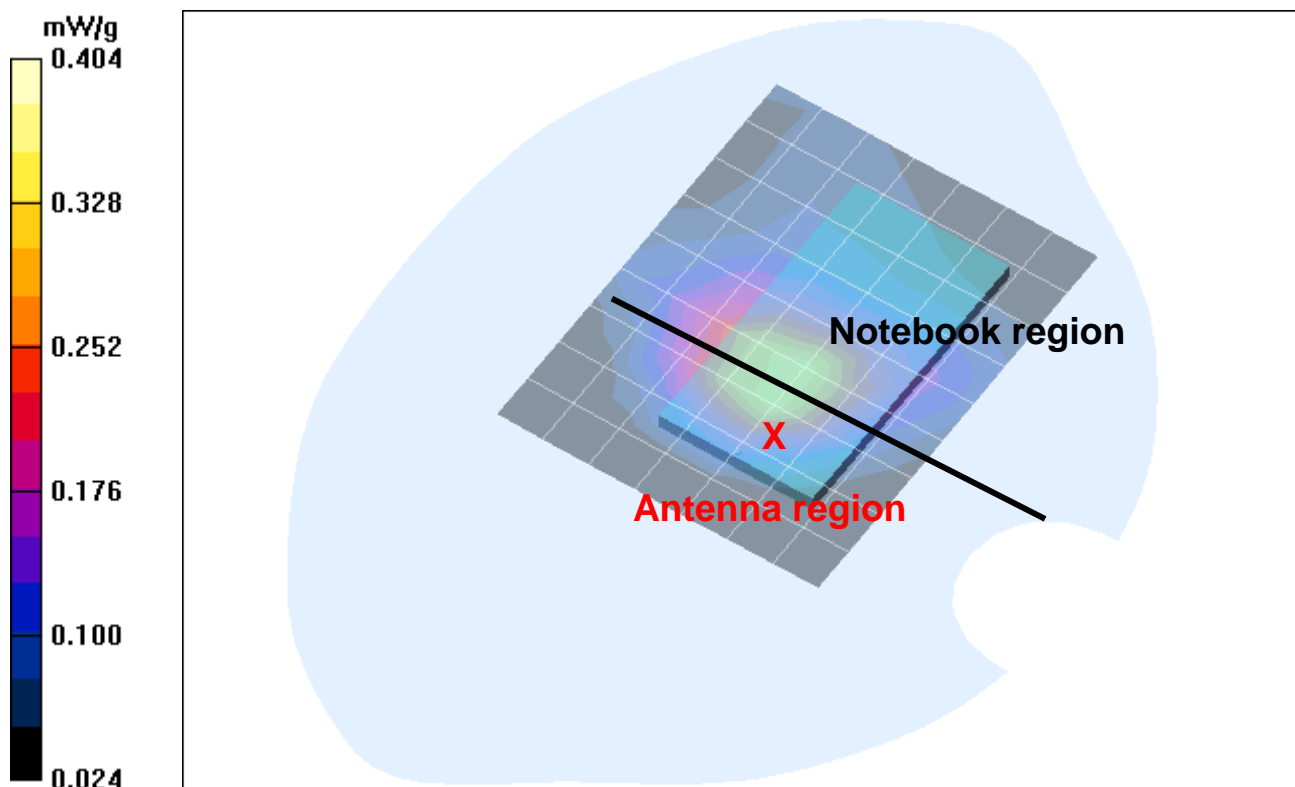


Fig. 11: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (DELL Latitude C810, April 25, 2007; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [542\\_buVhm\\_1\\_acer.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

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;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(9.94, 9.94, 9.94); Calibrated: 27.09.2006

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

- Electronics: DAE4 Sn631; Calibrated: 11.07.2006

- 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 (8x10x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 12.9 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.350 W/kg

**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.159 mW/g**

Maximum value of SAR (measured) = 0.253 mW/g

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

Reference Value = 12.9 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.220 W/kg

**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.108 mW/g**

Maximum value of SAR (measured) = 0.162 mW/g

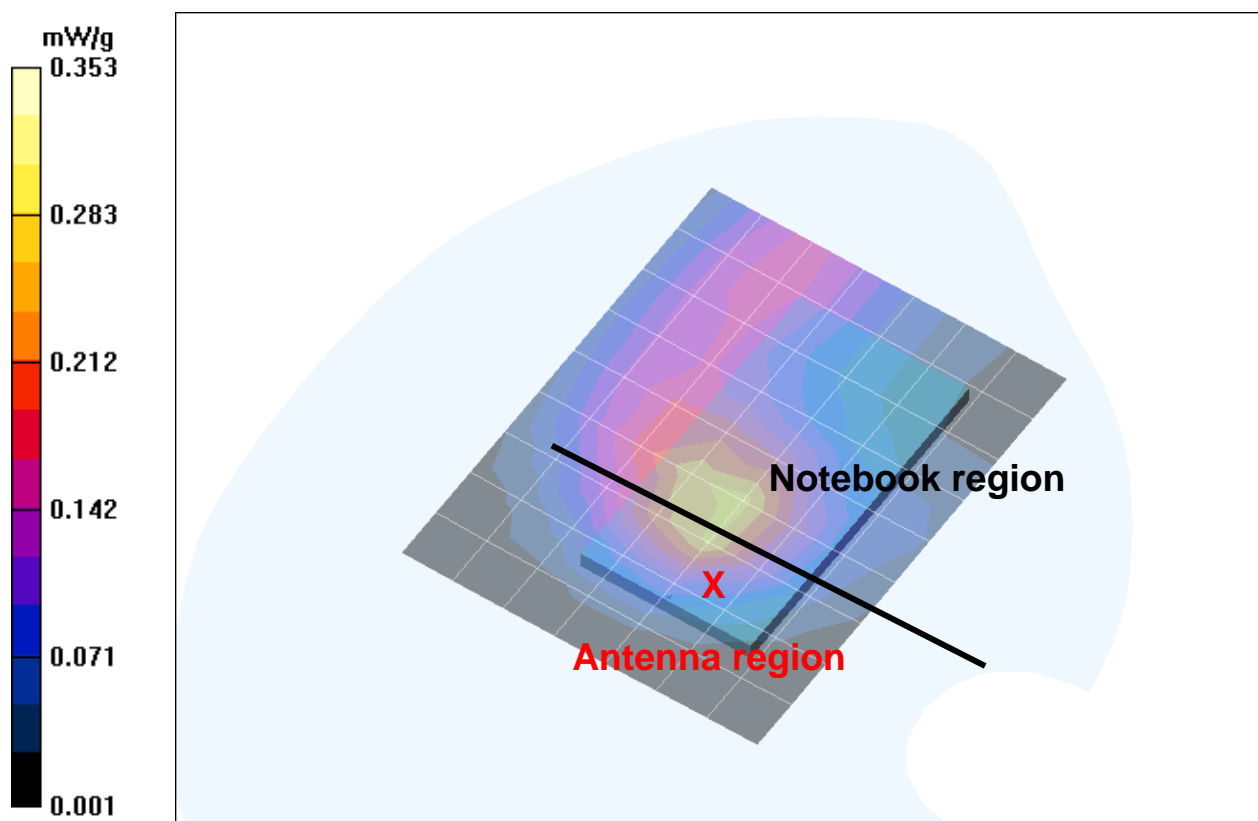


Fig. 12: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (Acer TravelMate, April 25, 2007; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [542 buVhm 1 HP.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

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;  $\sigma = 1$  mho/m;  $\epsilon_r = 53.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(9.94, 9.94, 9.94); Calibrated: 27.09.2006
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 11.07.2006
- 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 (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.604 mW/g

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

Reference Value = 24.4 V/m; Power Drift = 0.010 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.584 mW/g; SAR(10 g) = 0.358 mW/g**

Maximum value of SAR (measured) = 0.633 mW/g

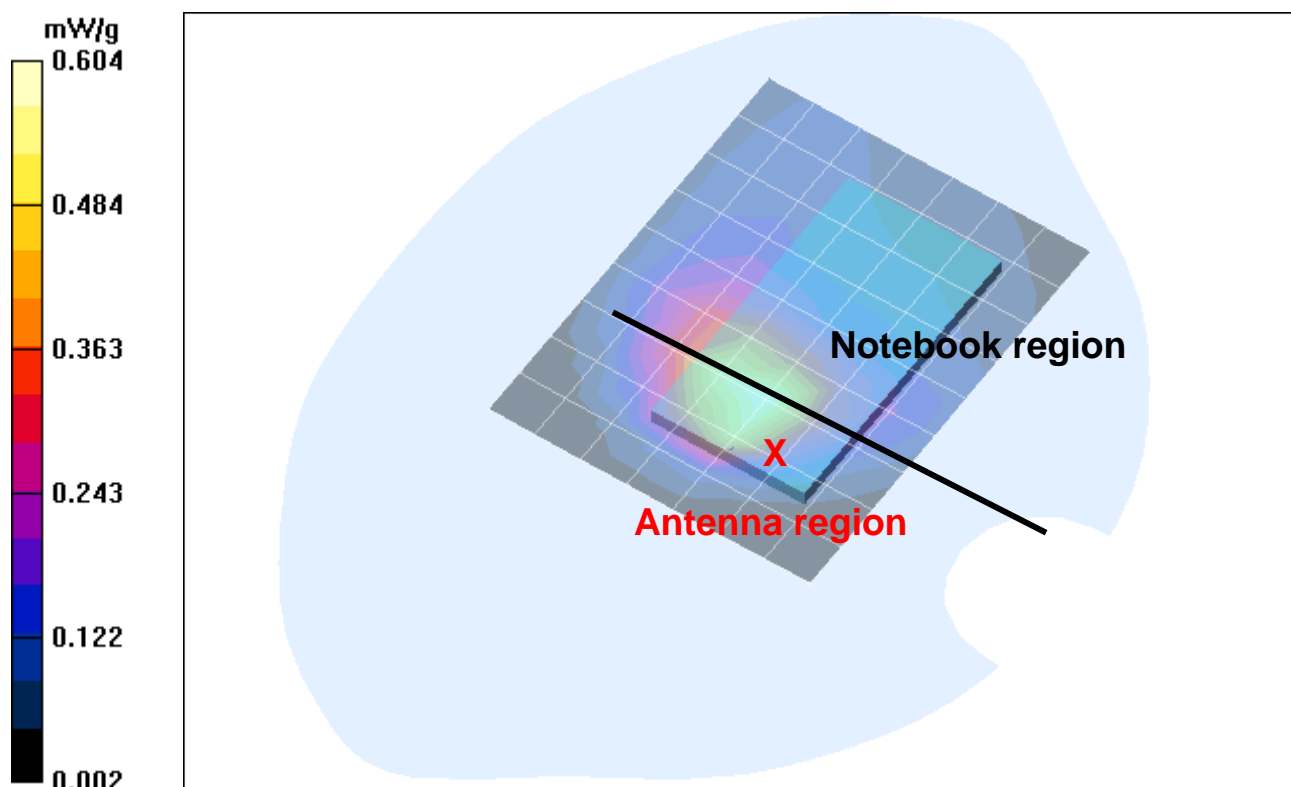


Fig. 13: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (HP Compaq nc6320, April 25 2007; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [542 buVhm 1 HP HSDPA 2.da4](#)

DUT: Option ; Type: Etna GT; Serial: 004401440467542

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;  $\sigma = 1$  mho/m;  $\epsilon_r = 54.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 (8x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.381 mW/g

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

Reference Value = 14.5 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.586 W/kg

**SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.221 mW/g**

Maximum value of SAR (measured) = 0.377 mW/g

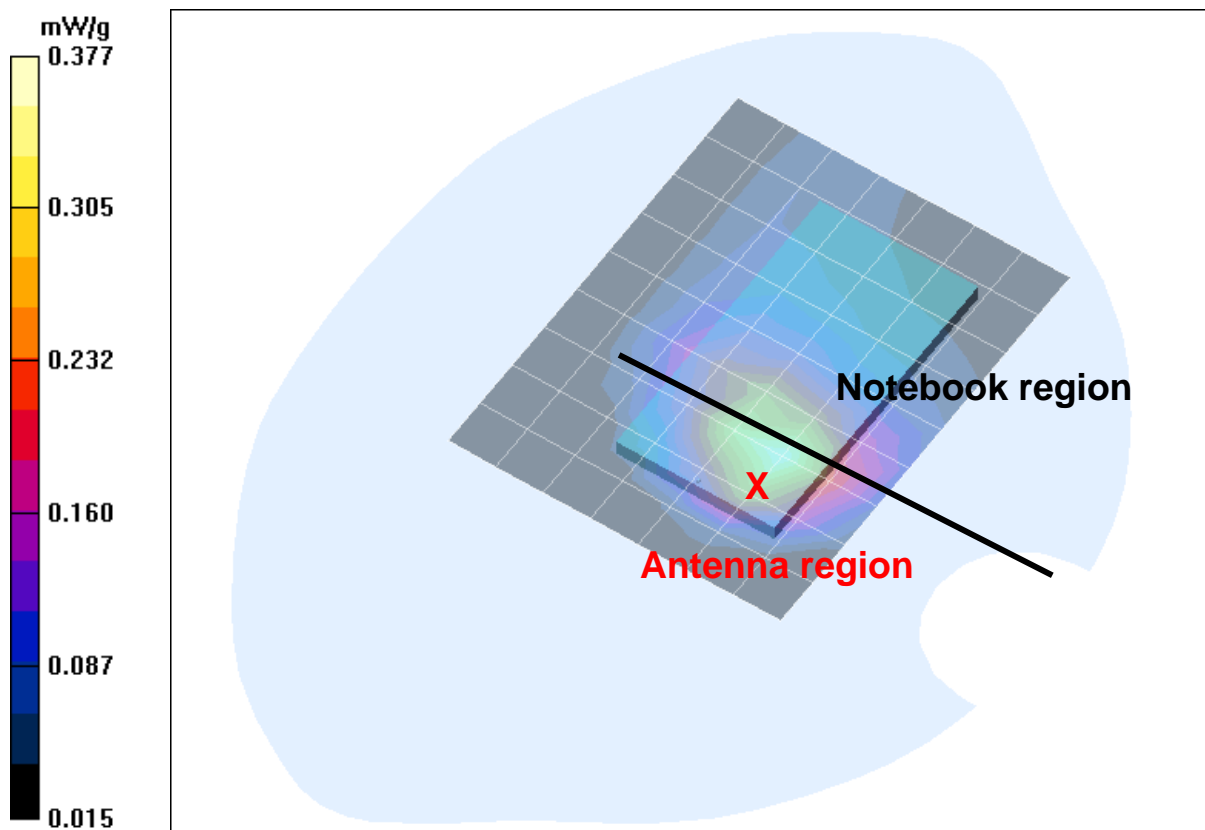


Fig. 14: SAR distribution for WCDMA V (FDD), HSDPA, channel 4183, Lap Held Position (HP Compaq nc6320, May 29, 2007; Ambient Temperature: 22.0° C; Liquid Temperature: 21.3° C).



## 5 SAR z-axis scans (Validation)

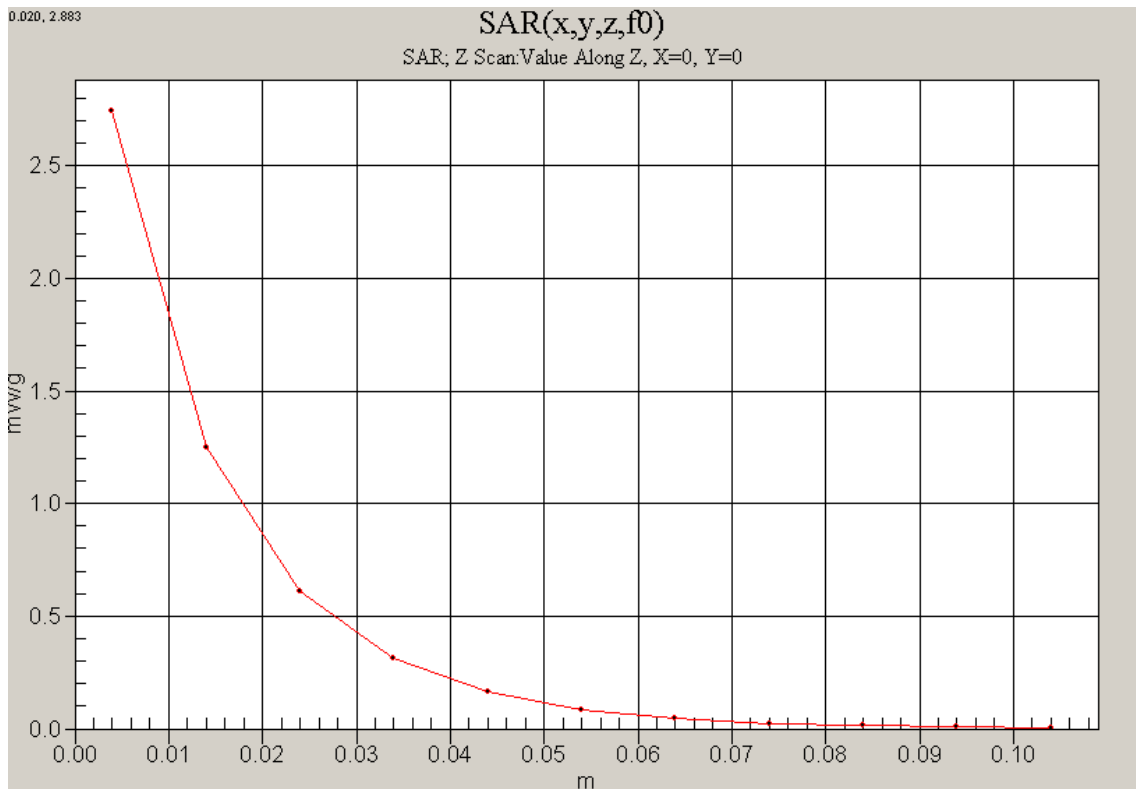


Fig. 15: SAR versus liquid depth, 835 MHz (GPRS 850), body (April 18, 2007; Ambient Temperature: 22.2° C; Liquid Temperature : 21.3° C).

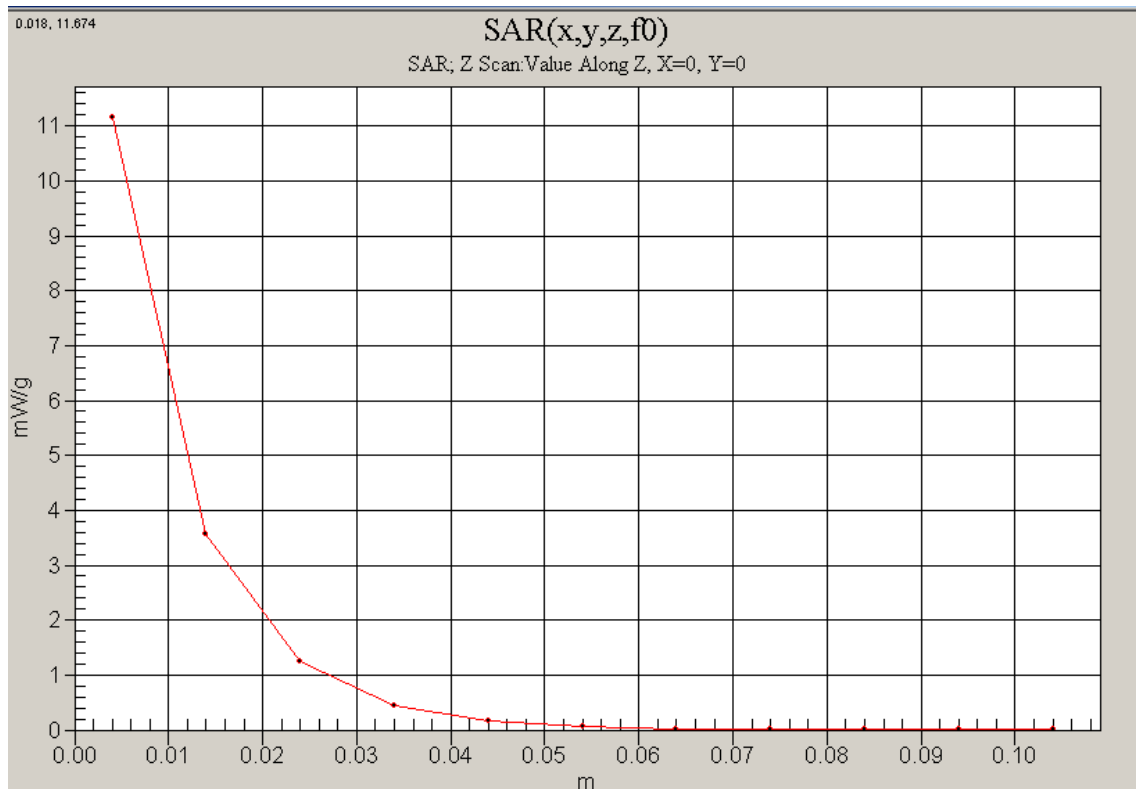


Fig. 16: SAR versus liquid depth, 1900 MHz (GPRS 1900), body (April 24, 2007; Ambient Temperature: 22.1° C; Liquid Temperature : 21.2° C).

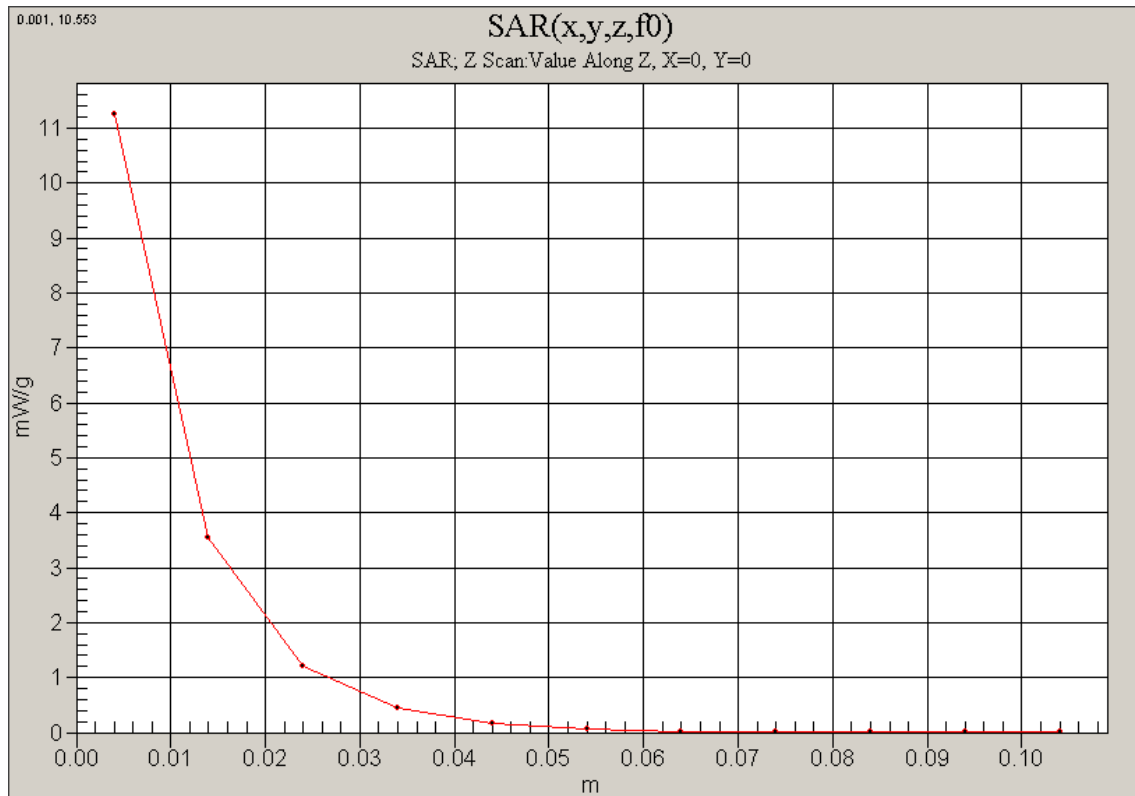


Fig. 17: SAR versus liquid depth, 1900 MHz (WCDMA II), body (April 23, 2007; Ambient Temperature: 22.1° C; Liquid Temperature : 21.3° C).

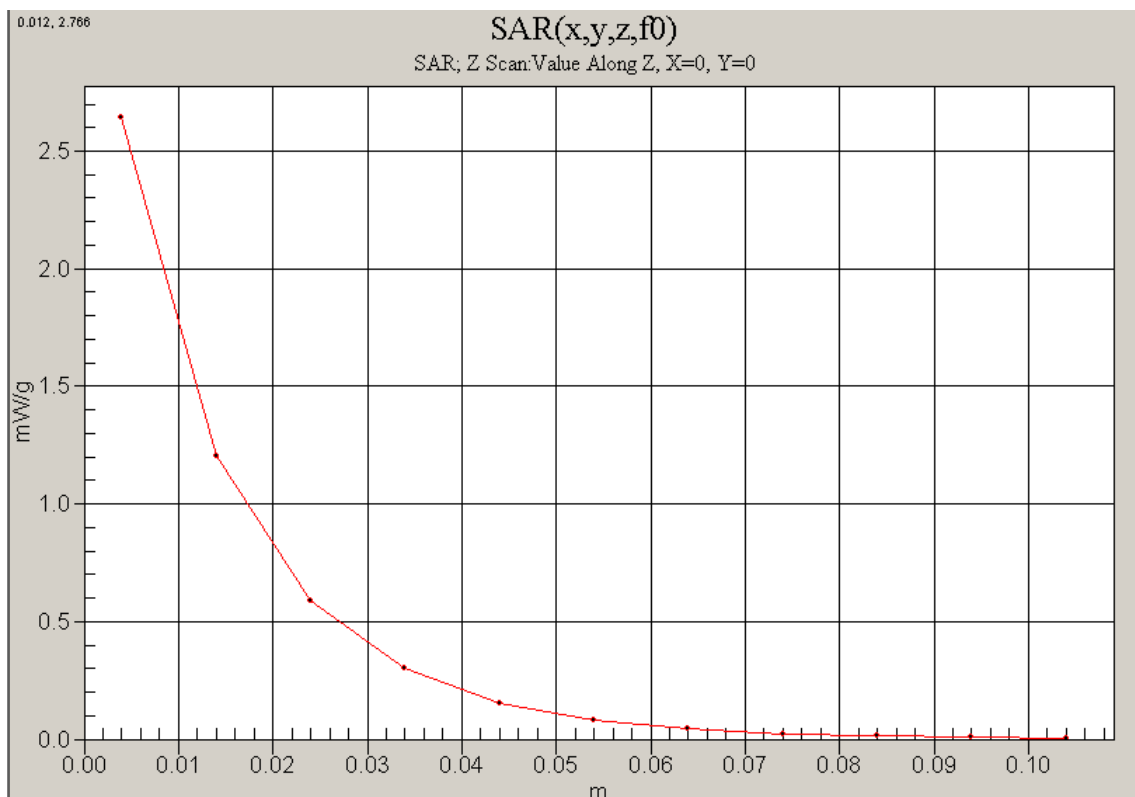


Fig. 18: SAR versus liquid depth, 835 MHz (WCDMA V), body (April 25, 2007; Ambient Temperature: 22.1° C; Liquid Temperature : 21.0° C).

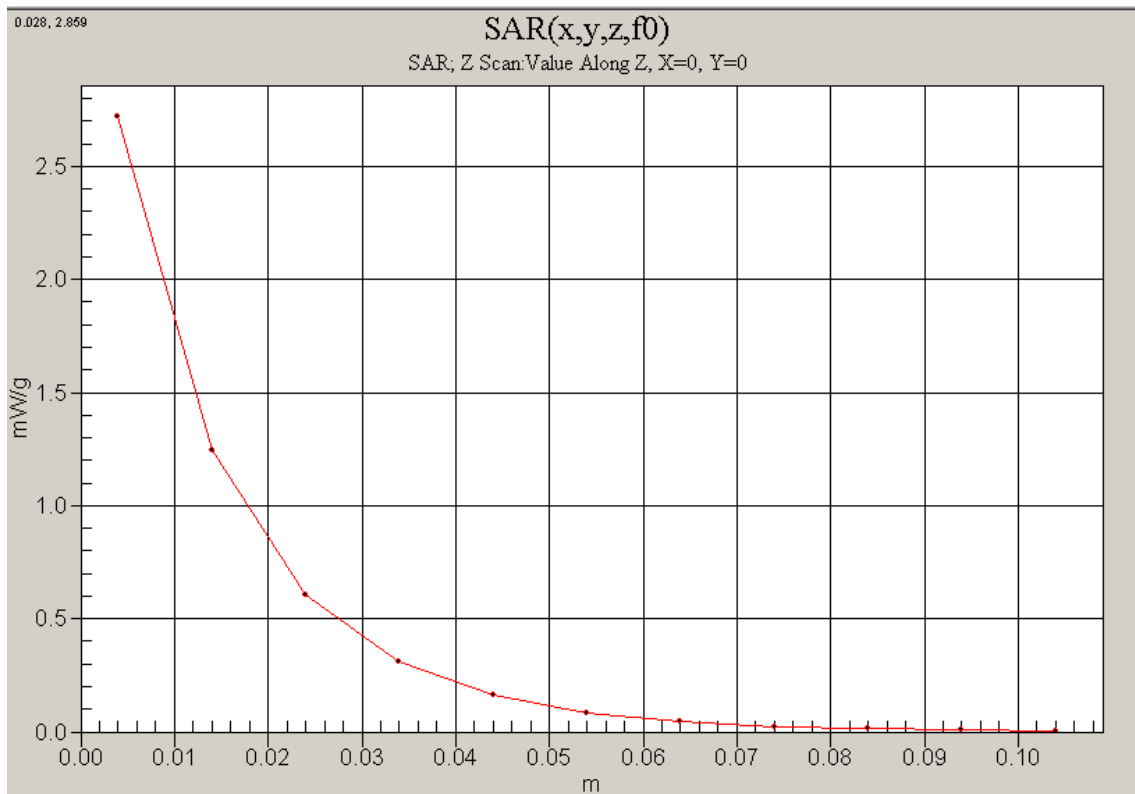


Fig. 19: SAR versus liquid depth, 1900 MHz (WCDMA II), body (May 29, 2007; Ambient Temperature: 22.3° C; Liquid Temperature : 21.5° C).

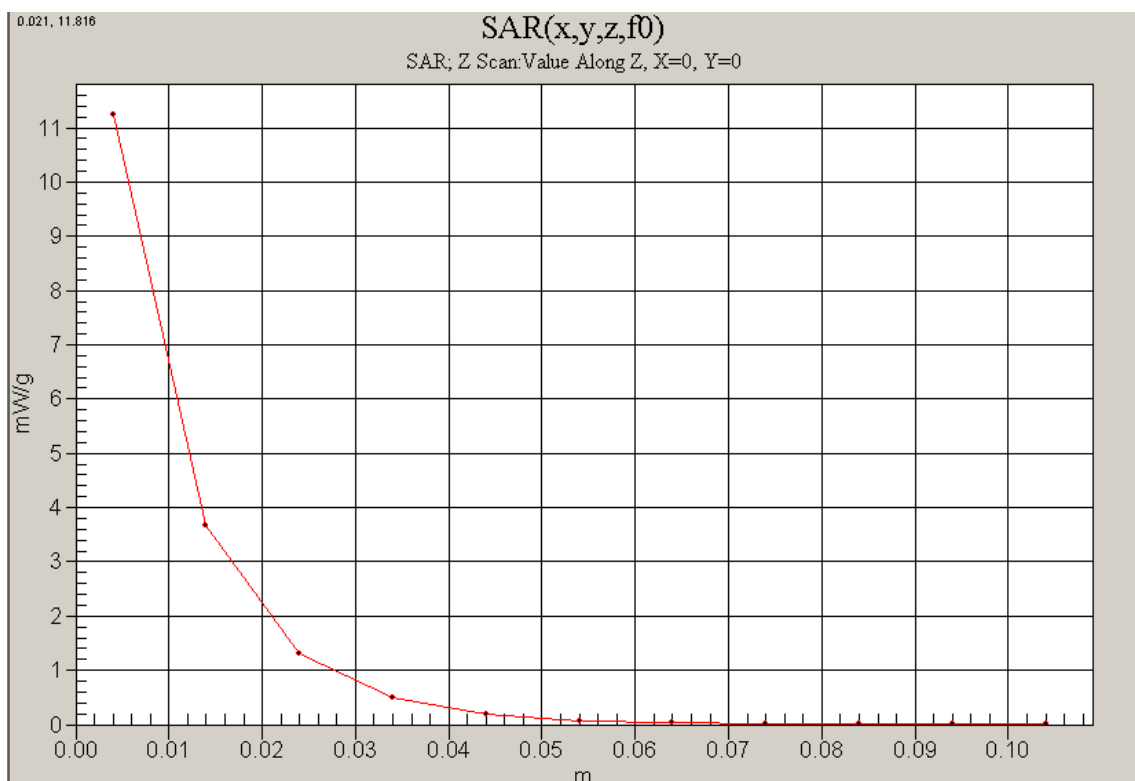


Fig. 20: SAR versus liquid depth, 835 MHz (WCDMA V), body (May 29, 2007; Ambient Temperature: 22.3° C; Liquid Temperature : 21.5° C).

## 6 SAR z-axis scans (Measurements)

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

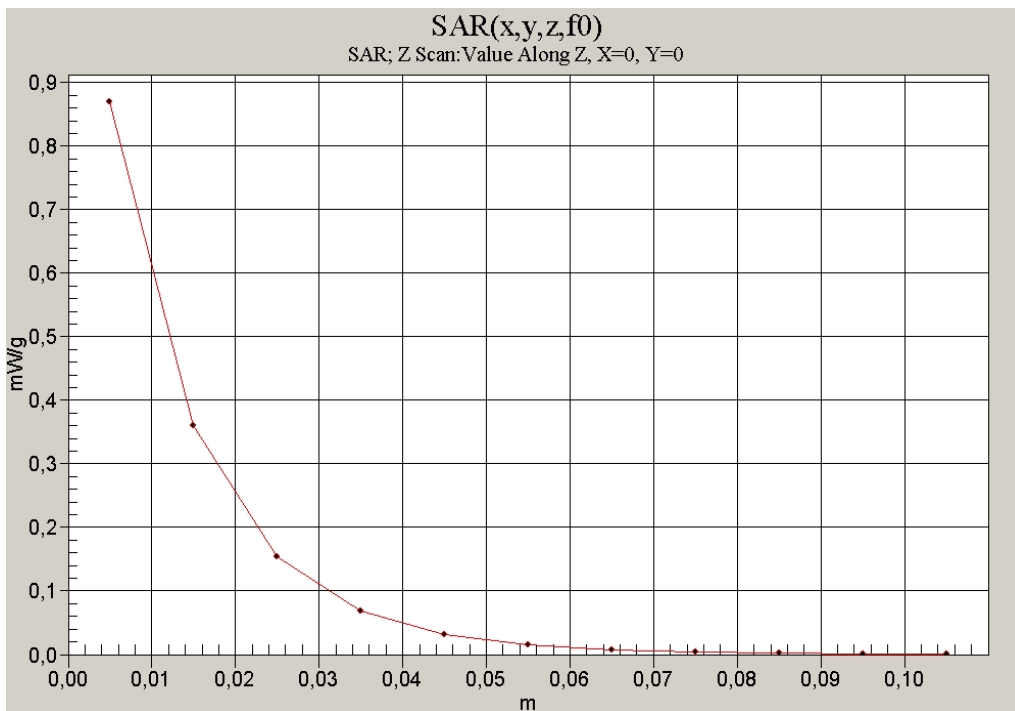


Fig. 21: SAR versus liquid depth, body: GPRS 850, channel 251 (HP Compaq nc 6320, April 18, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.4° C).

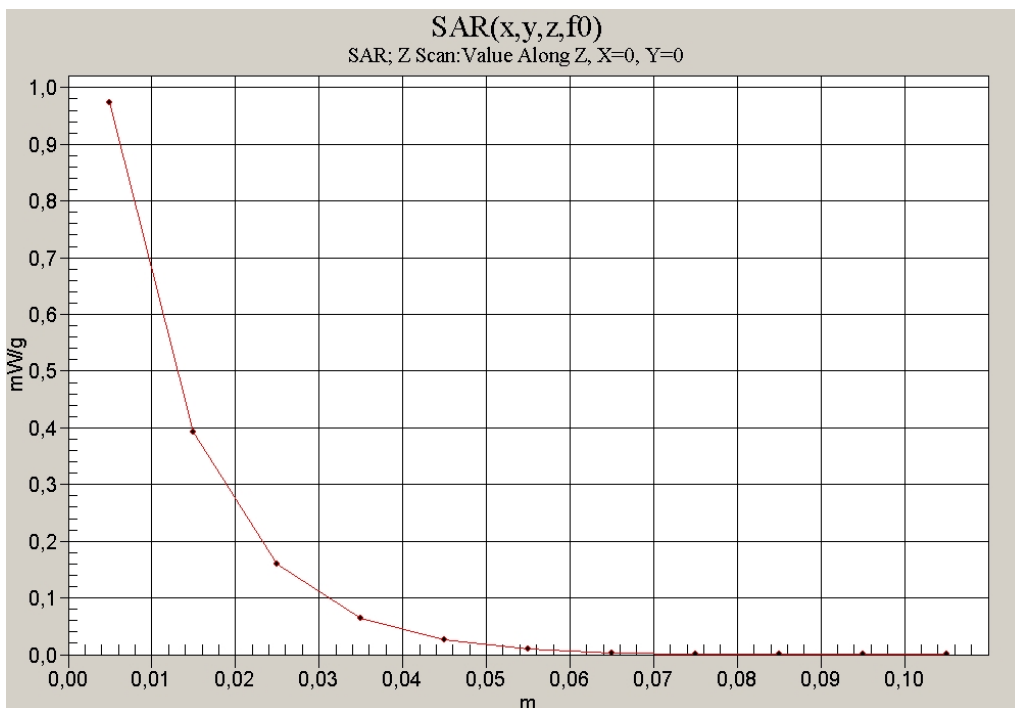


Fig. 22: SAR versus liquid depth, body: GPRS 1900, channel 661 (HP Compaq nc 6320, April 24, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.3° C).

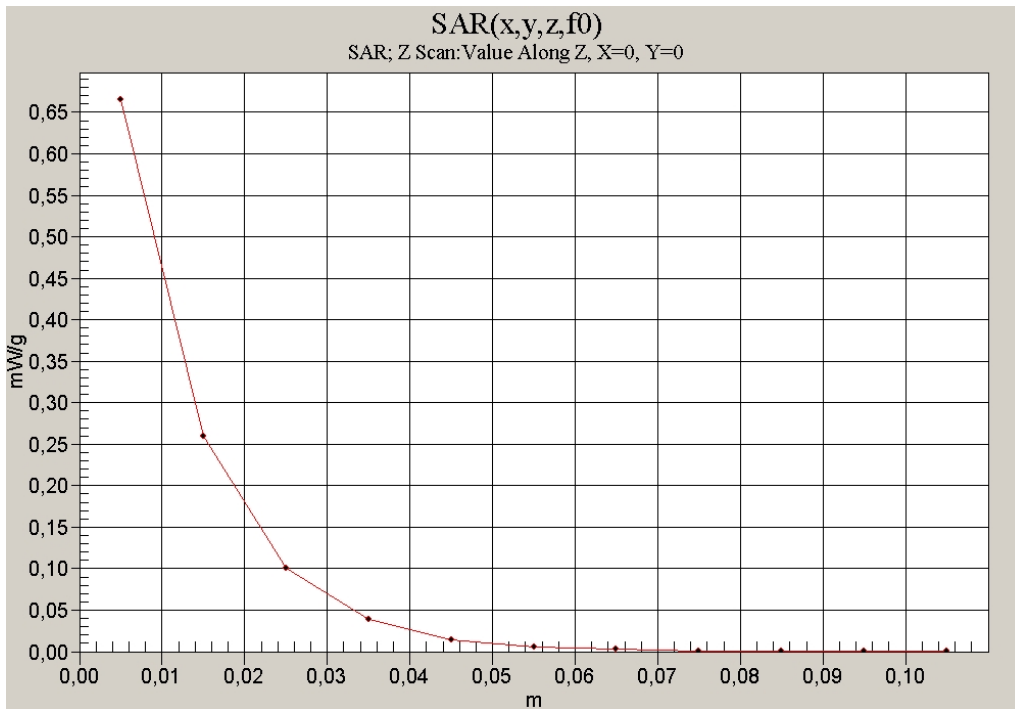


Fig. 23: SAR versus liquid depth, body: WCDMA II (FDD), channel 9262 (HP Compaq nc 6320, April 23, 2007; Ambient Temperature: 22.1° C; Liquid Temperature: 21.0° C).

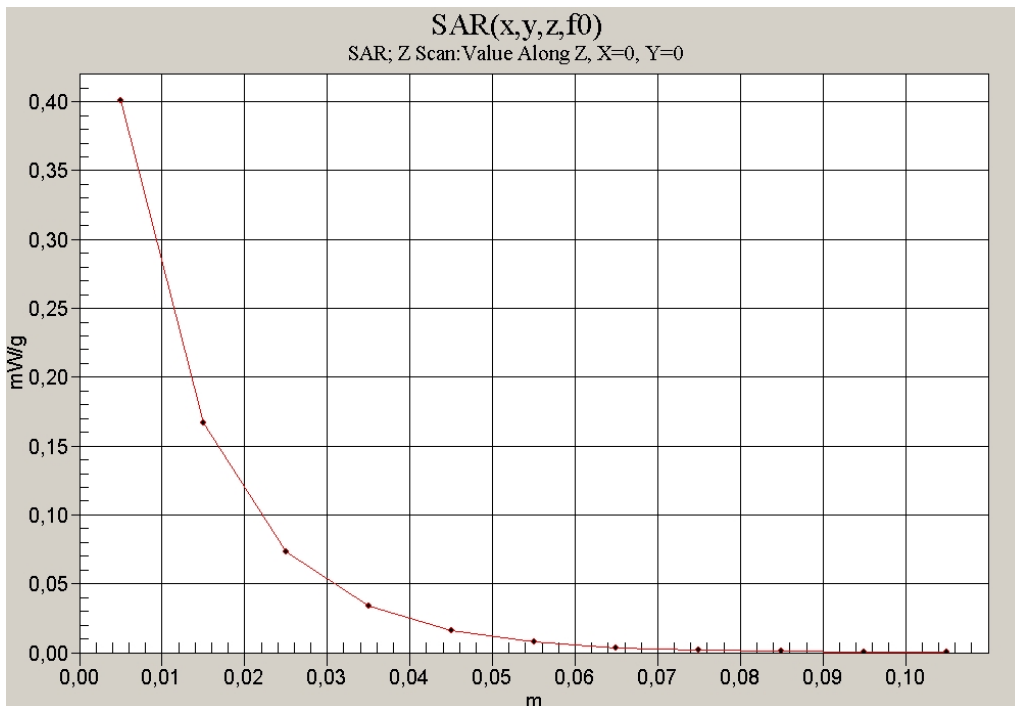


Fig. 24: SAR versus liquid depth, body: WCDMA V (FDD), channel 4183 (HP Compaq nc 6230, April 25, 2007; Ambient Temperature: 22.0° C; Liquid Temperature: 21.0° C).