
Appendix for the Report

**Dosimetric Assessment of the
Portable Device G10301 from Option
(FCC ID: NCMOGI0301E)
tested in three host products**

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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Table of Contents

1	SAR DISTRIBUTION PLOTS, GPRS 850 BODY	3
2	SAR DISTRIBUTION PLOTS, GPRS 1900 BODY	6
3	SAR DISTRIBUTION PLOTS, WCDMA V (FDD) BODY	9
4	SAR DISTRIBUTION PLOTS, WCDMA II (FDD) BODY	13
5	SAR Z-AXIS SCANS (VALIDATION)	17
6	SAR Z-AXIS SCANS (MEASUREMENTS).....	19

1 SAR Distribution Plots, GPRS 850 Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_bahm_1_Lat.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ 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) = 0.553 mW/g

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

Reference Value = 13.7 V/m; Power Drift = -0.073 dB

Peak SAR (extrapolated) = 0.771 W/kg

SAR(1 g) = 0.478 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.527 mW/g

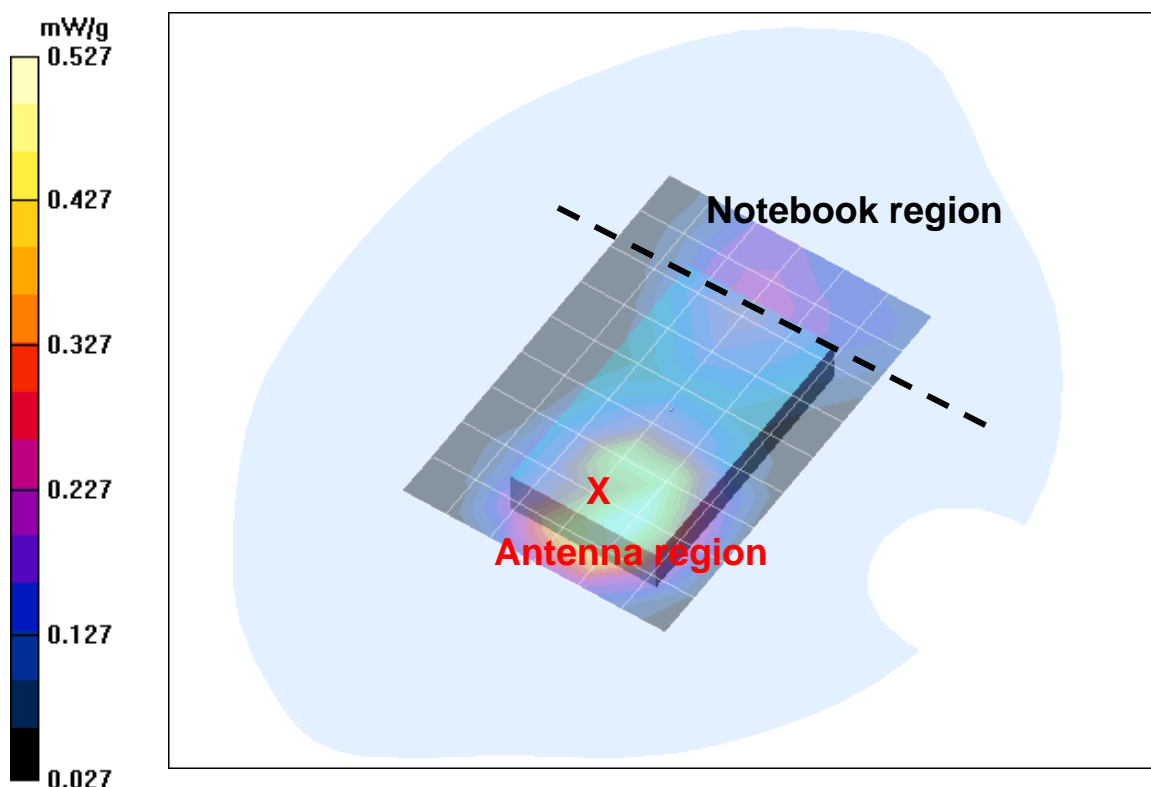


Fig. 1: SAR distribution for GPRS 850 (Class 10), channel 190, Lap Held Position (DELL Latitude C810, July 26, 2007; Ambient Temperature: 22.4°C; Liquid Temperature: 21.6°C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_bahm_1_Acer.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.377 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 = 0.183 dB

Peak SAR (extrapolated) = 0.506 W/kg

SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.197 mW/g

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

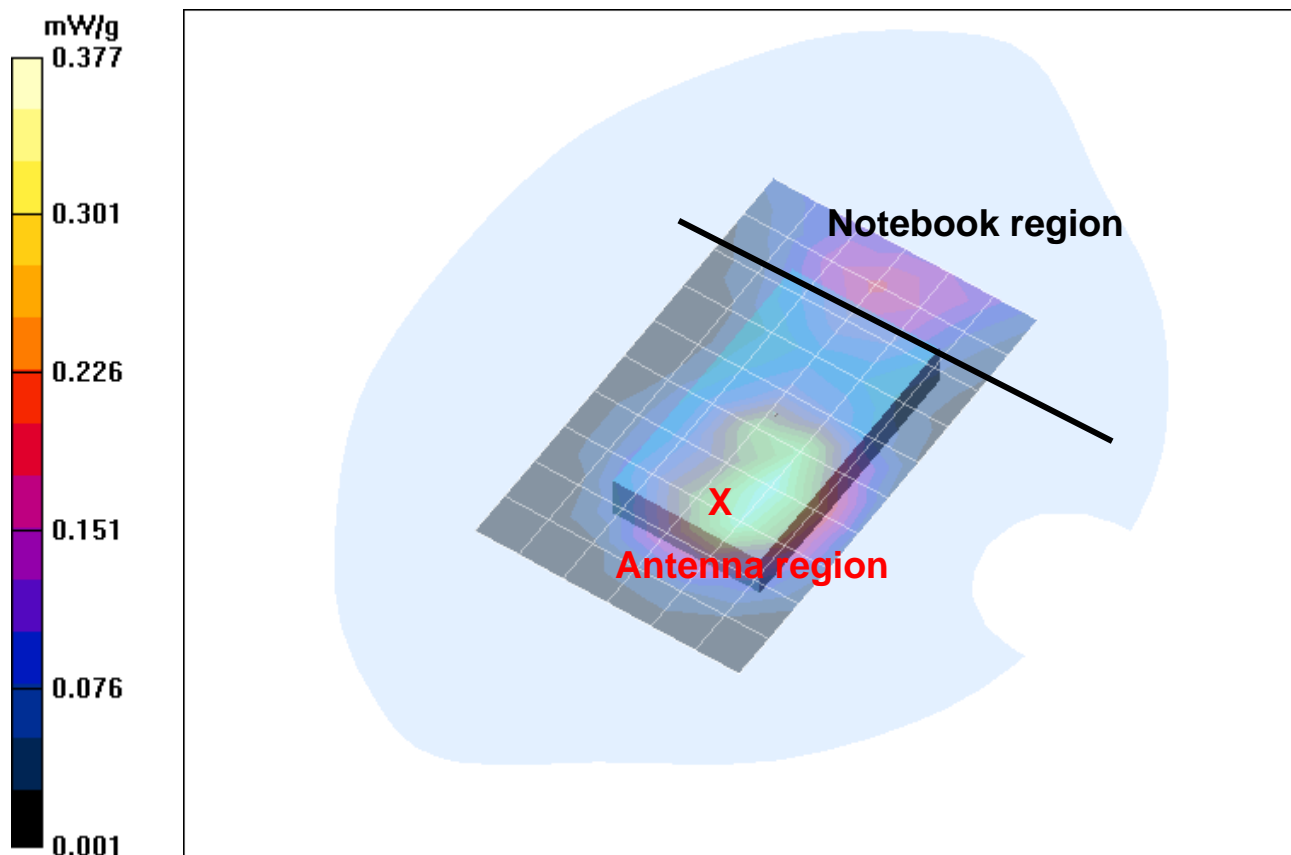


Fig. 2: SAR distribution for GPRS 850 (Class 10), channel 190, Lap Held Position (Acer TravelMate 4283, July 26, 2007; Ambient Temperature: 22.4°C; Liquid Temperature: 21.6°C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_bahm_1_Insp.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

Program Name: Body Worn

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:4

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.99$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.351 mW/g

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

Reference Value = 16.4 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 0.468 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.194 mW/g

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

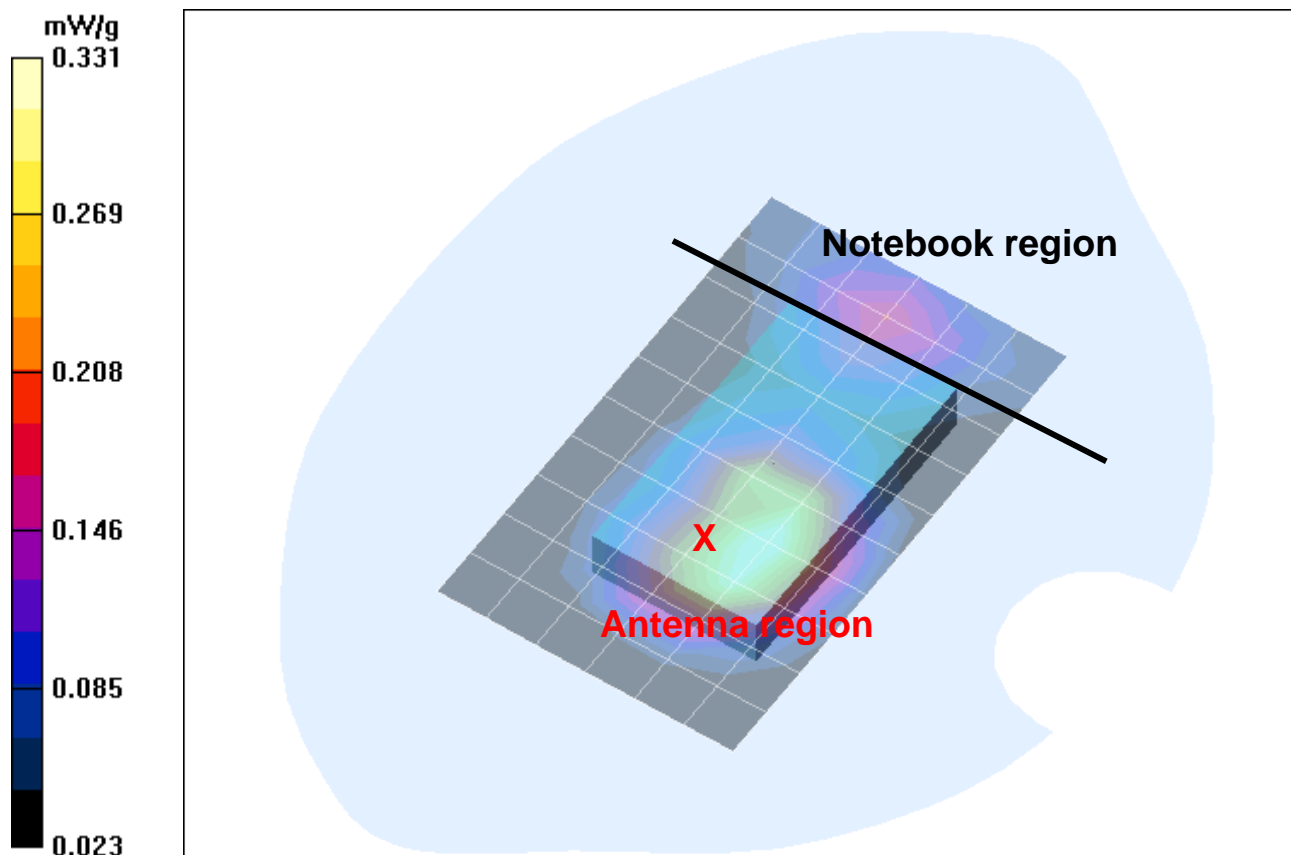


Fig. 3: SAR distribution for GPRS 850 (Class 10), channel 190, Lap Held Position (Dell Inspiron 9100, July 26, 2007; Ambient Temperature: 22.4°C; Liquid Temperature: 21.6°C).

2 SAR Distribution Plots, GPRS 1900 Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_bphh_1_Lat.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

Program Name: Body Worn

Communication System: GPRS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.51$ mho/m; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007

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

- Electronics: DAE3 Sn335; Calibrated: 09.02.2007

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

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

Body Worn/Area Scan (7x11x1): 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 = 29.8 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.682 mW/g

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

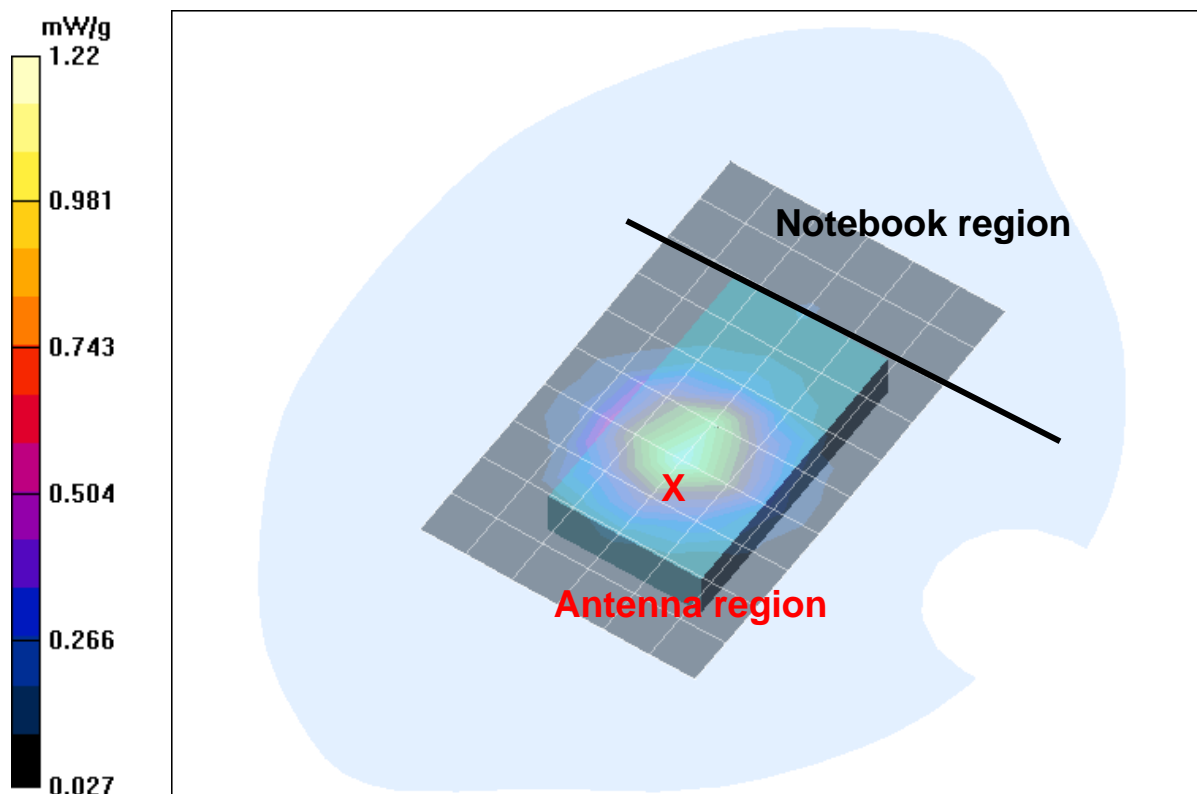


Fig. 4: Worst case SAR distribution for GPRS 1900 (Class 12), channel 810, Lap Held Position (DELL Latitude C810, July 30, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.6° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII bphm 1 Acer.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007

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

- Electronics: DAE3 Sn335; Calibrated: 09.02.2007

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

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

Body Worn/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.698 mW/g

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

Reference Value = 23.4 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.931 W/kg

SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.374 mW/g

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

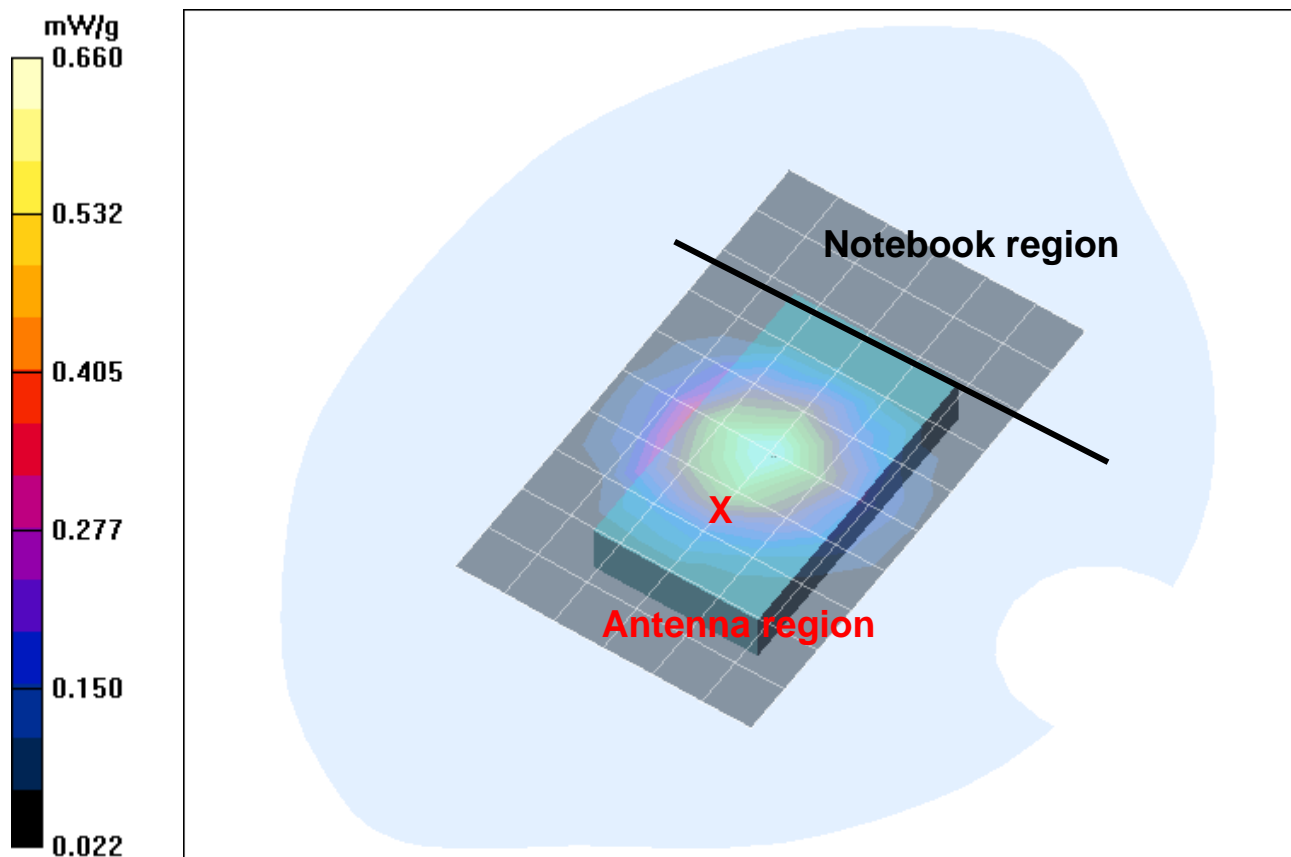


Fig. 5: SAR distribution for GPRS 1900 (Class 12), channel 661, Lap Held Position (Acer TravelMate 4283, July 30, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.6° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII bphm 1 Insp.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\epsilon_r = 52.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Body Worn/Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.955 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 = 0.180 dB

Peak SAR (extrapolated) = 0.987 W/kg

SAR(1 g) = 0.657 mW/g; SAR(10 g) = 0.405 mW/g

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

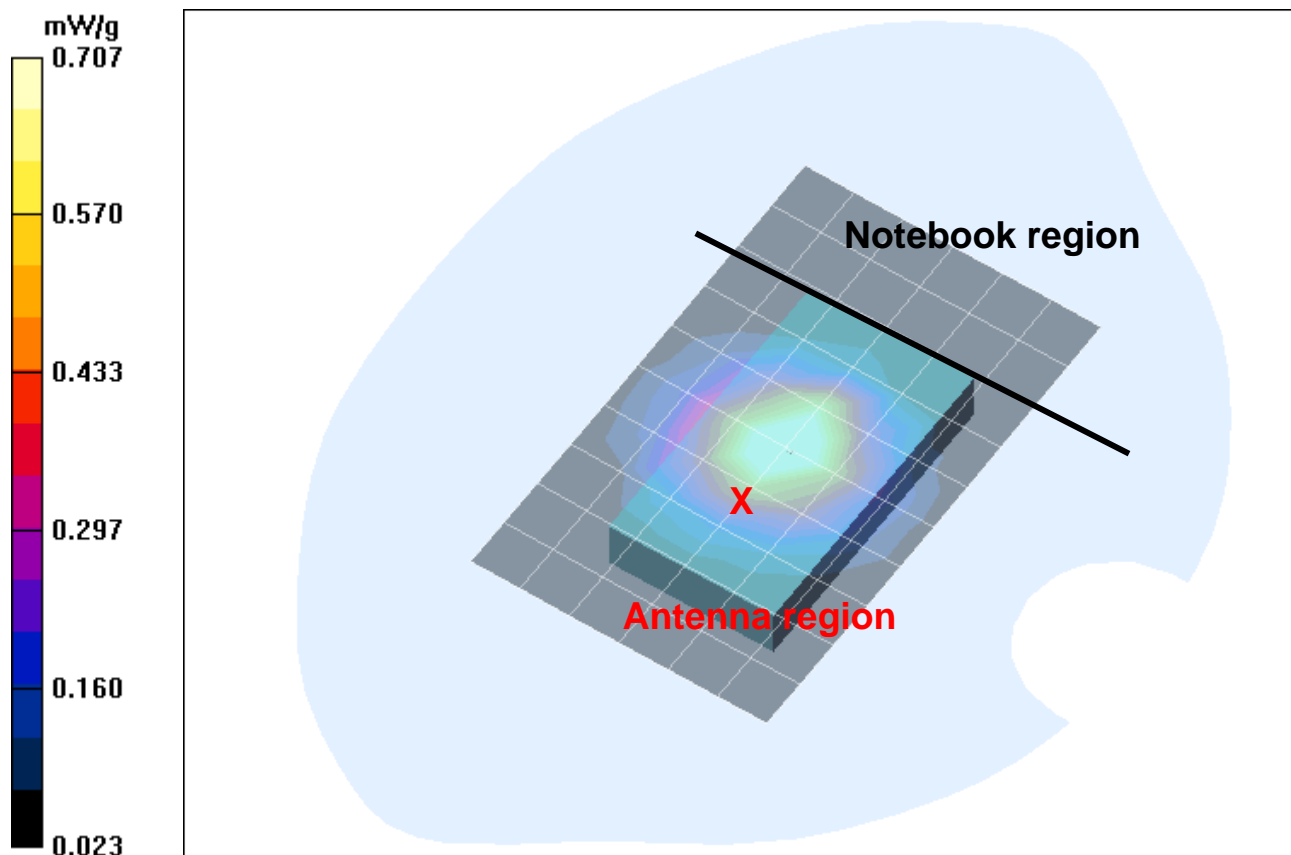


Fig. 6: SAR distribution for GPRS 1900 (Class 12), channel 661, Lap Held Position (Dell Inspiron 9100, July 30, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.6° C).

3 SAR Distribution Plots, WCDMA V (FDD) Body

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

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\epsilon_r = 54.2$; $\rho = 1000$ 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 10.1 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.248 mW/g

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

Reference Value = 10.1 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.185 W/kg

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.139 mW/g

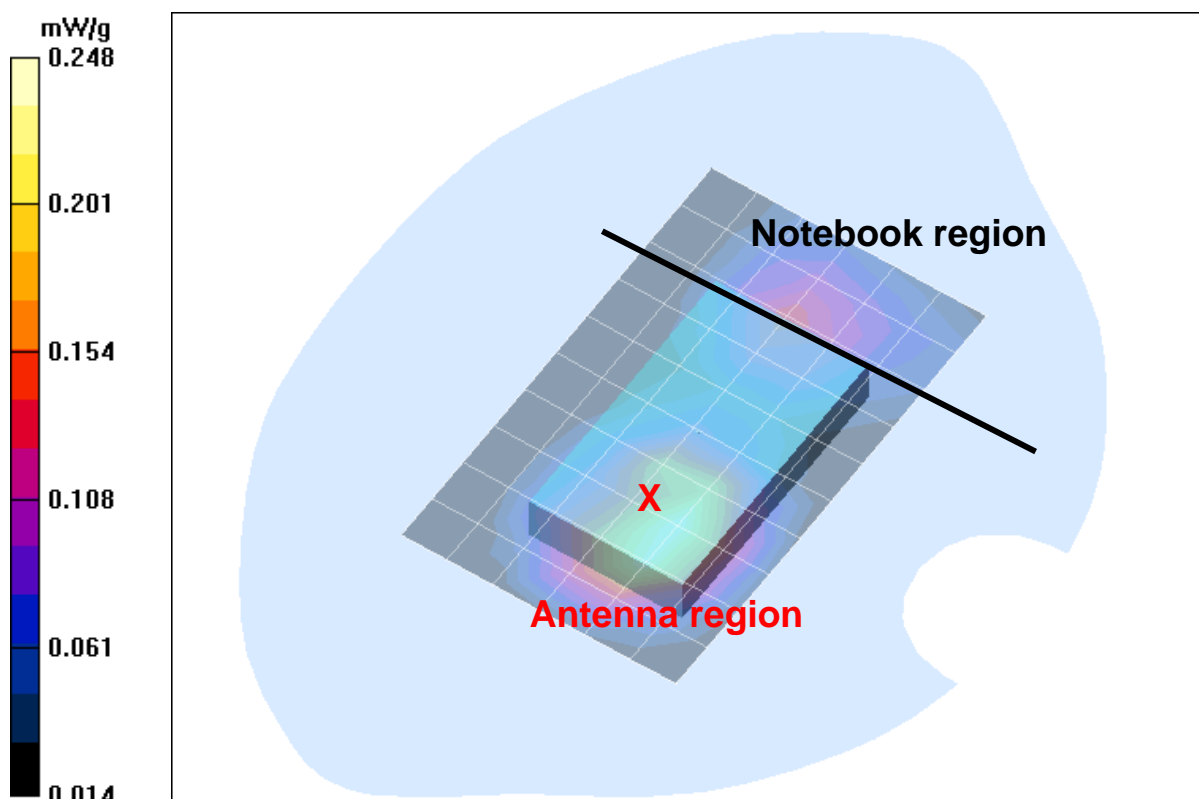


Fig. 7: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (DELL Latitude C810, July 27, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_buVhm_1_Acer.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\epsilon_r = 54.2$; $\rho = 1000$ 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 (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.87 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.089 mW/g

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

Reference Value = 8.87 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.136 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.065 mW/g

Maximum value of SAR (measured) = 0.105 mW/g

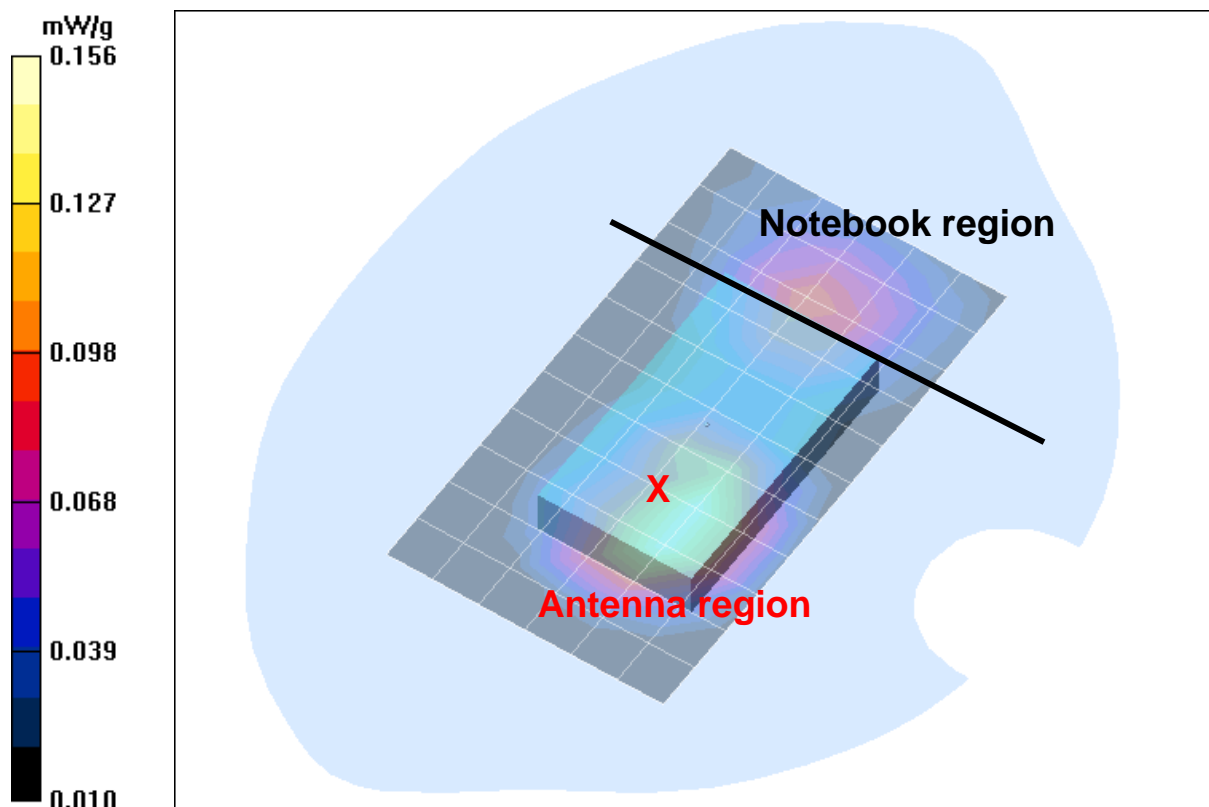


Fig. 8: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (Acer TravelMate, July 27, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_buVhm_1_Insp.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\epsilon_r = 54.2$; $\rho = 1000$ 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 (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 6.15 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.090 mW/g

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

Reference Value = 6.15 V/m; Power Drift = 0.135 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.072 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.078 mW/g

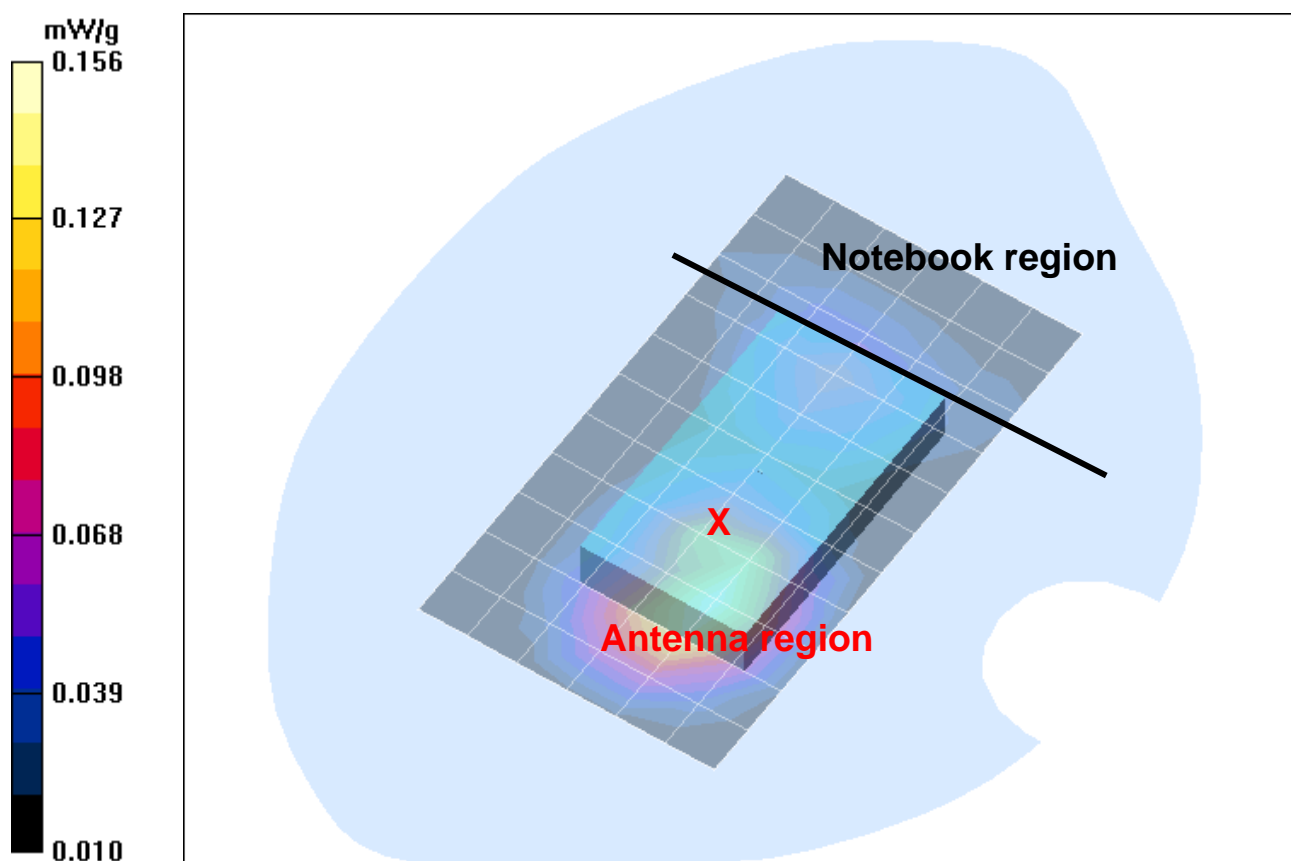


Fig. 9: SAR distribution for WCDMA V (FDD), channel 4183, Lap Held Position (Dell Inspiron 9100, July 27, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.4° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_buVhm_1_Lat_HSDPA.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\epsilon_r = 54.2$; $\rho = 1000$ 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 (7x11x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.270 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 = -0.067 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.243 mW/g; SAR(10 g) = 0.148 mW/g

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

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

Reference Value = 10.5 V/m; Power Drift = -0.067 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.091 mW/g

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

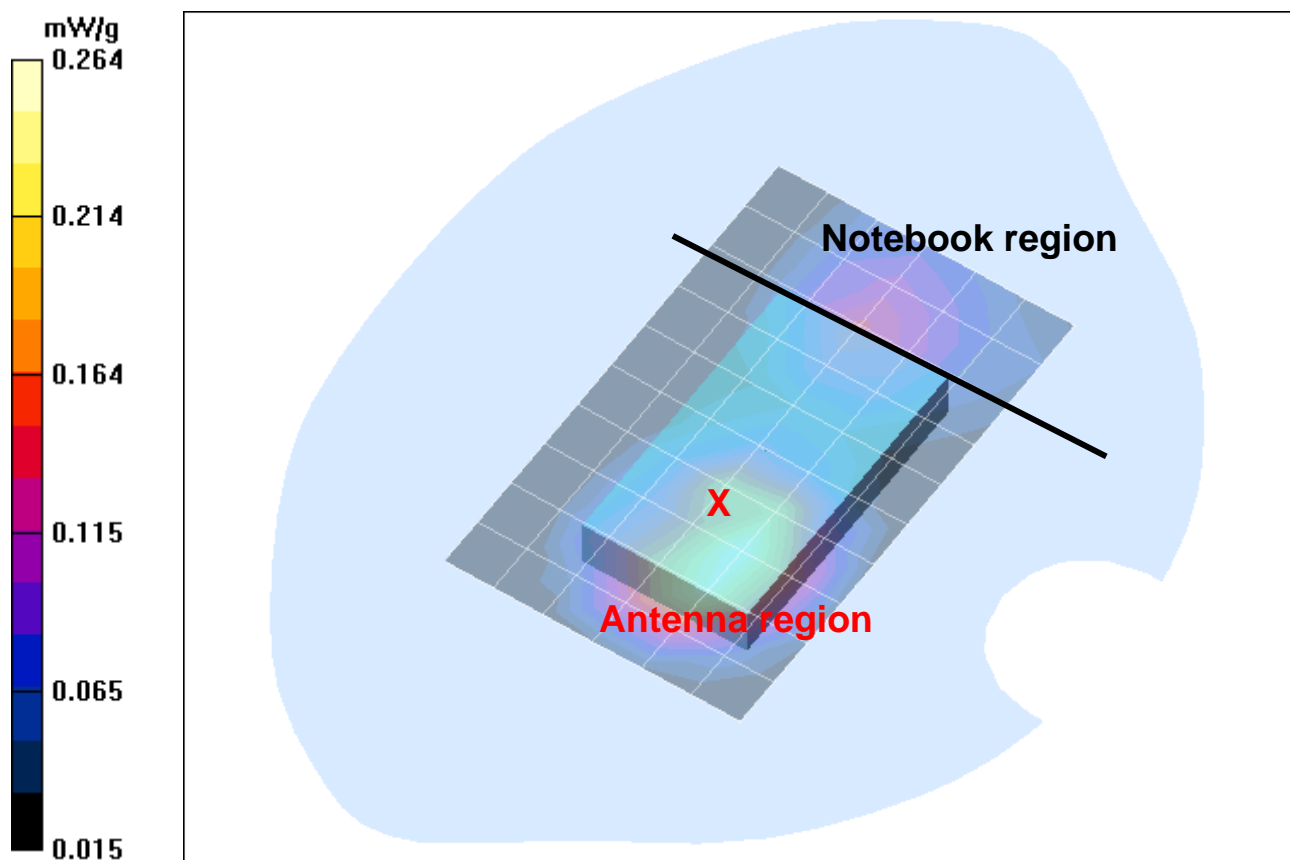


Fig. 10: SAR distribution for WCDMA V (FDD), HSDPA, channel 4183, Lap Held Position (Acer TravelMate, July 27, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

4 SAR Distribution Plots, WCDMA II (FDD) Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII_bullhm_1_Lat.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 1.41 mW/g

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

Reference Value = 34.5 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 2.12 W/kg

SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.862 mW/g

Maximum value of SAR (measured) = 1.54 mW/g

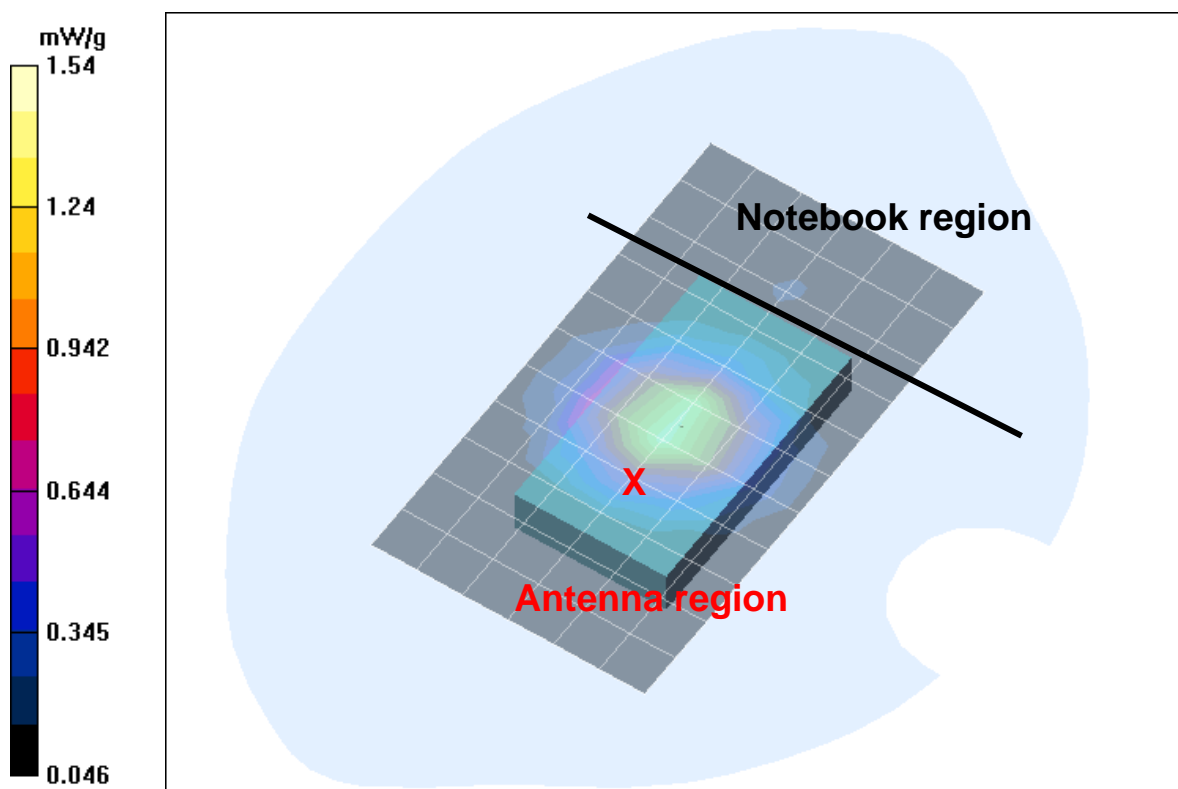


Fig. 11: Worst case SAR distribution for WCDMA II (FDD), channel 9400, Lap Held Position (DELL Latitude C810, July 31, 2007; Ambient Temperature: 22.5° C; Liquid Temperature: 21.6° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII bullhl 1 Acer.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 1.12 mW/g

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

Reference Value = 30.5 V/m; Power Drift = 0.000 dB

Peak SAR (extrapolated) = 1.62 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.684 mW/g

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

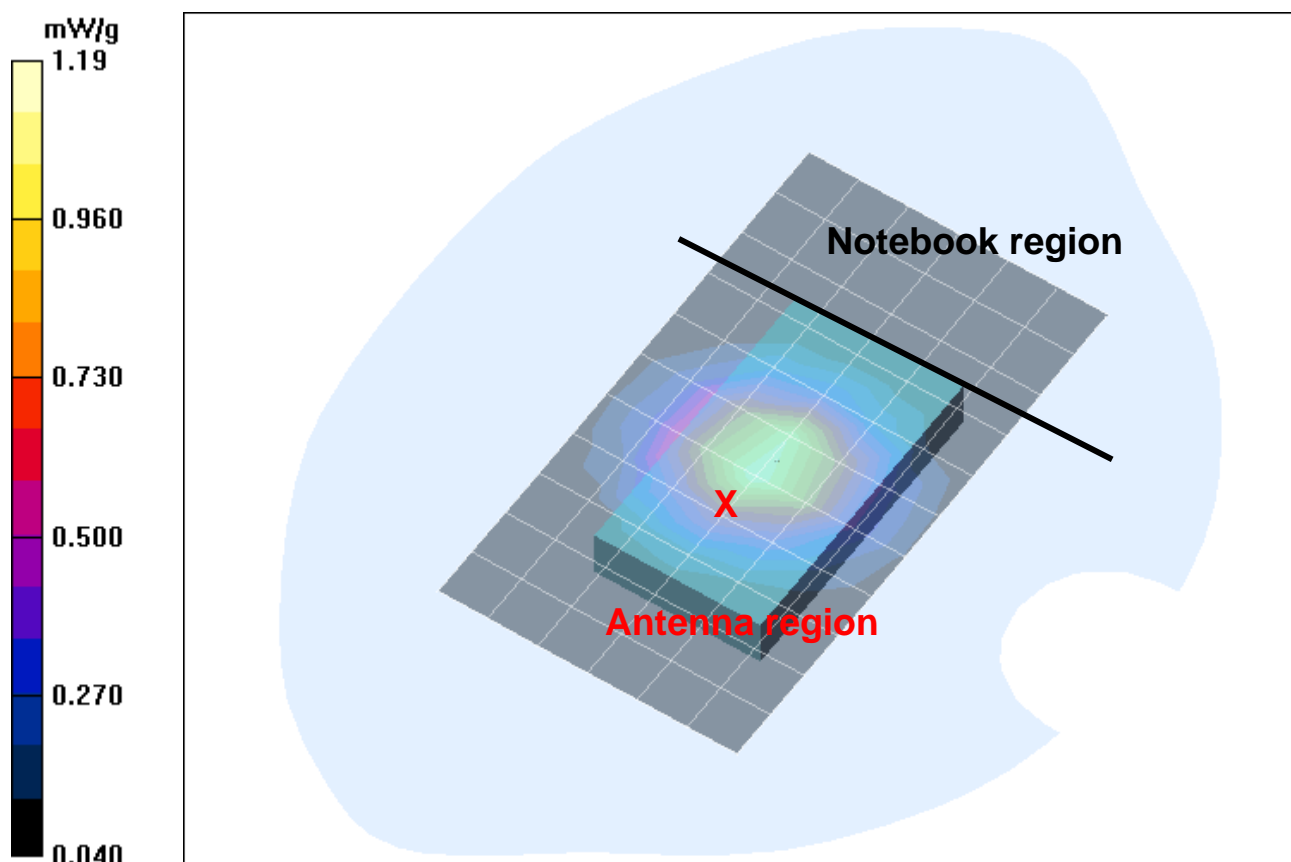


Fig. 12: SAR distribution for WCDMA II (FDD), channel 9262, Lap Held Position (Acer TravelMate 4283, July 31, 2007; Ambient Temperature: 22.5° C; Liquid Temperature: 21.6° C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [ICONIII bullhl 1 Insp.da4](#)

DUT: Option; **Type:** ICONIII; **Serial:** 004401440497382

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; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007

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

- Electronics: DAE3 Sn335; Calibrated: 09.02.2007

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

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

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

Maximum value of SAR (measured) = 1.36 mW/g

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

Reference Value = 32.0 V/m; Power Drift = 0.120 dB

Peak SAR (extrapolated) = 1.93 W/kg

SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.848 mW/g

Maximum value of SAR (measured) = 1.46 mW/g

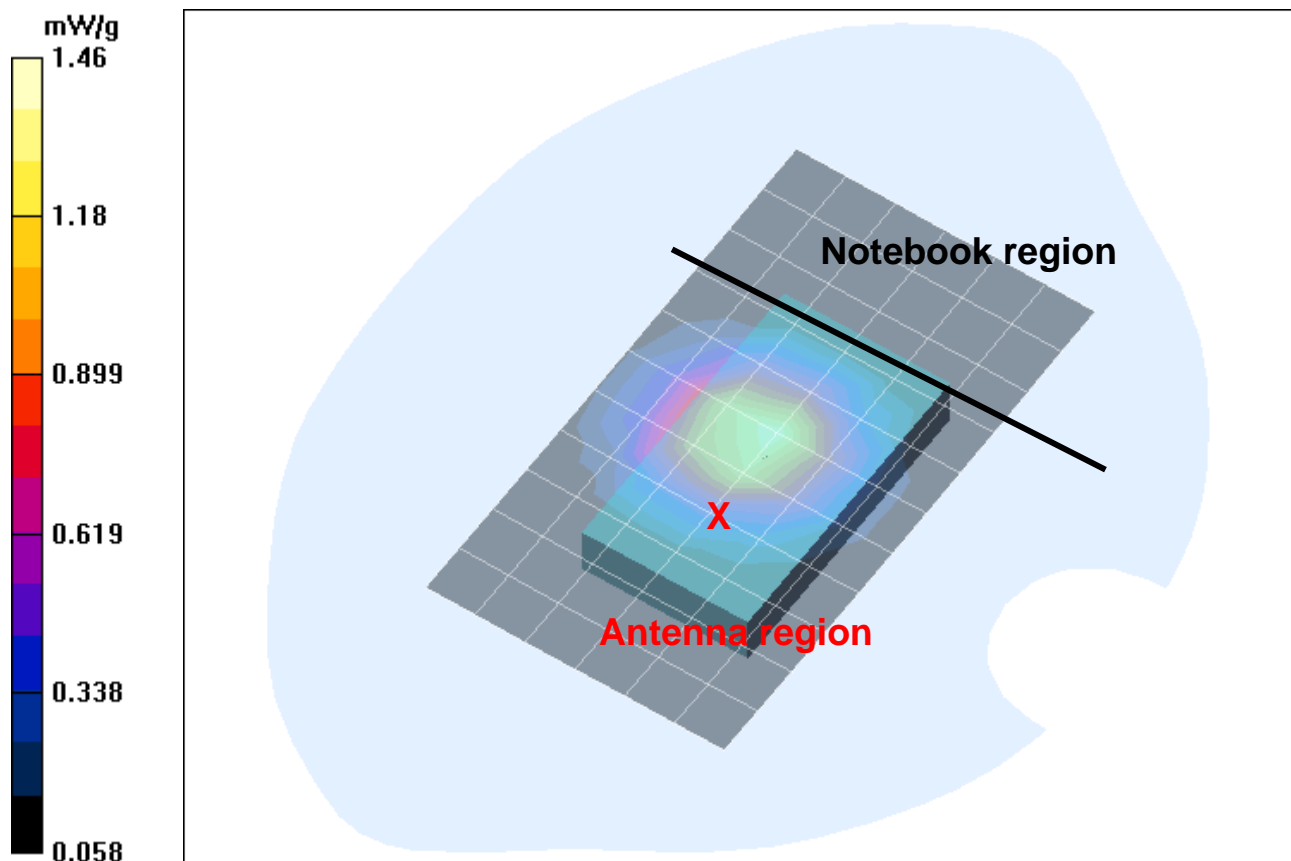


Fig. 13: Worst case SAR distribution for WCDMA II (FDD), channel 9262, Lap Held Position (Dell Inspiron 9100, July 31, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.3° C).

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [ICONIII bullhm 1 Lat HSDPA.da4](#)

DUT: Option; Type: ICONIII; Serial: 004401440497382

Program Name: Body Worn

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1669; ConvF(4.72, 4.72, 4.72); Calibrated: 15.02.2007
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 09.02.2007
- Phantom: SAM Glycol 1176; Type: Speag; Serial: 1176
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

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

Maximum value of SAR (measured) = 1.46 mW/g

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

Reference Value = 33.2 V/m; Power Drift = 0.081 dB

Peak SAR (extrapolated) = 2.09 W/kg

SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.850 mW/g

Maximum value of SAR (measured) = 1.52 mW/g

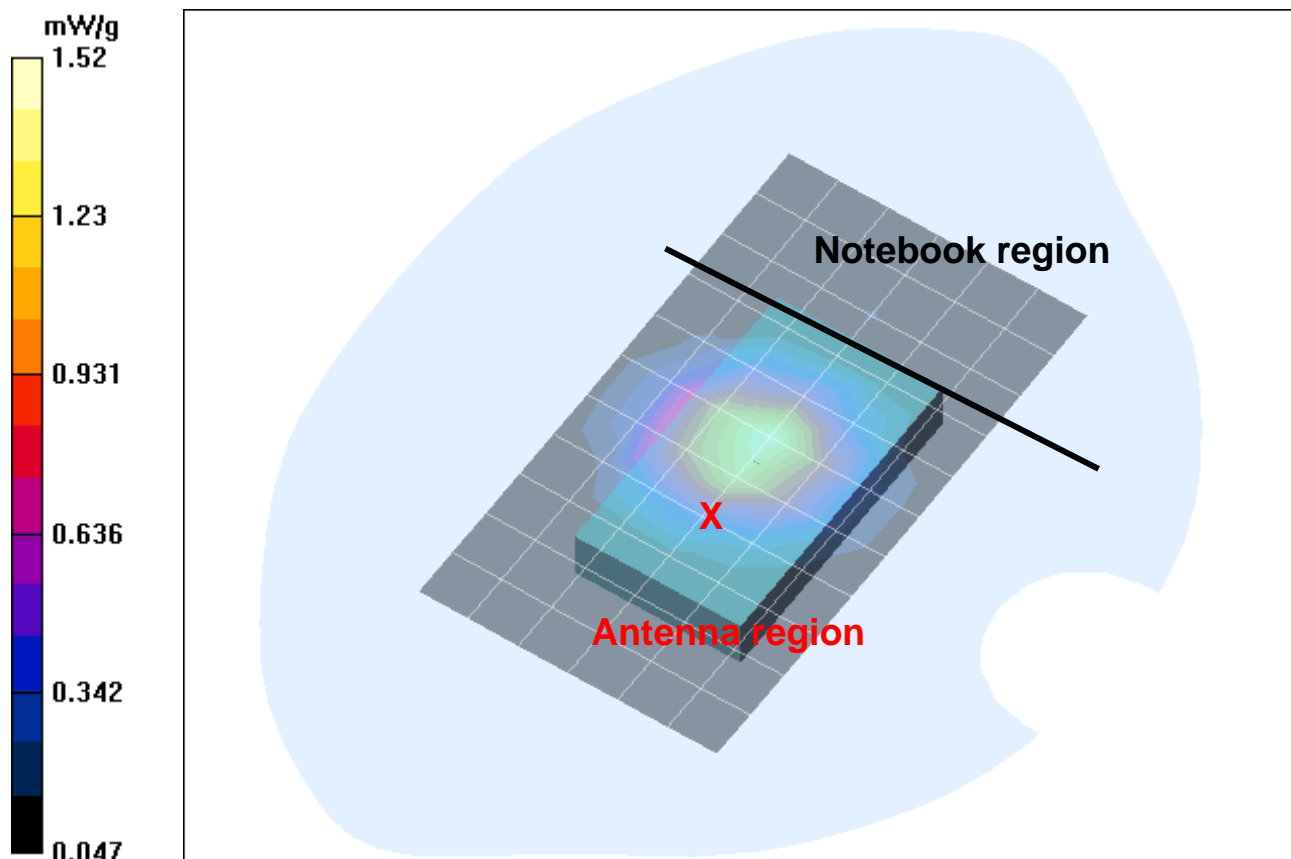


Fig. 14: SAR distribution for WCDMA II (FDD), HSDPA, channel 9400, Lap Held Position (DELL Latitude C810, July 31, 2007; Ambient Temperature: 22.5° C; Liquid Temperature: 21.6° C).

5 SAR z-axis scans (Validation)

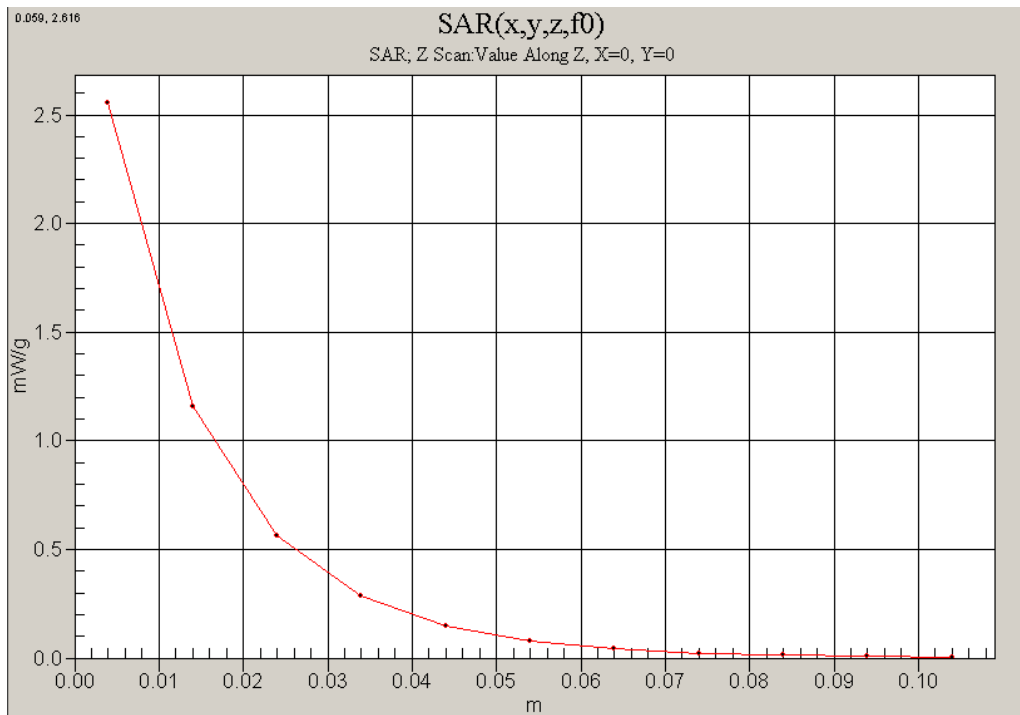


Fig. 15: SAR versus liquid depth, 835 MHz (GPRS 850), body (July 26, 2007; Ambient Temperature: 22.3° C; Liquid Temperature : 21.6° C).

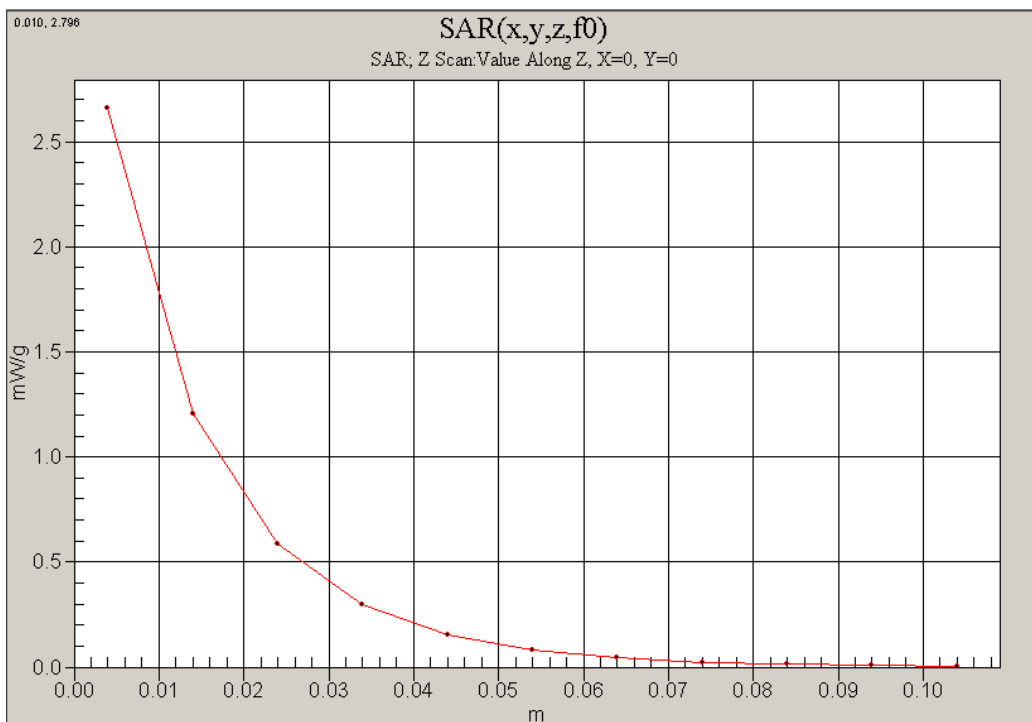


Fig. 16: SAR versus liquid depth, 835 MHz (WCDMA V), body (July 27, 2007; Ambient Temperature: 22.5° C; Liquid Temperature : 21.3° C).

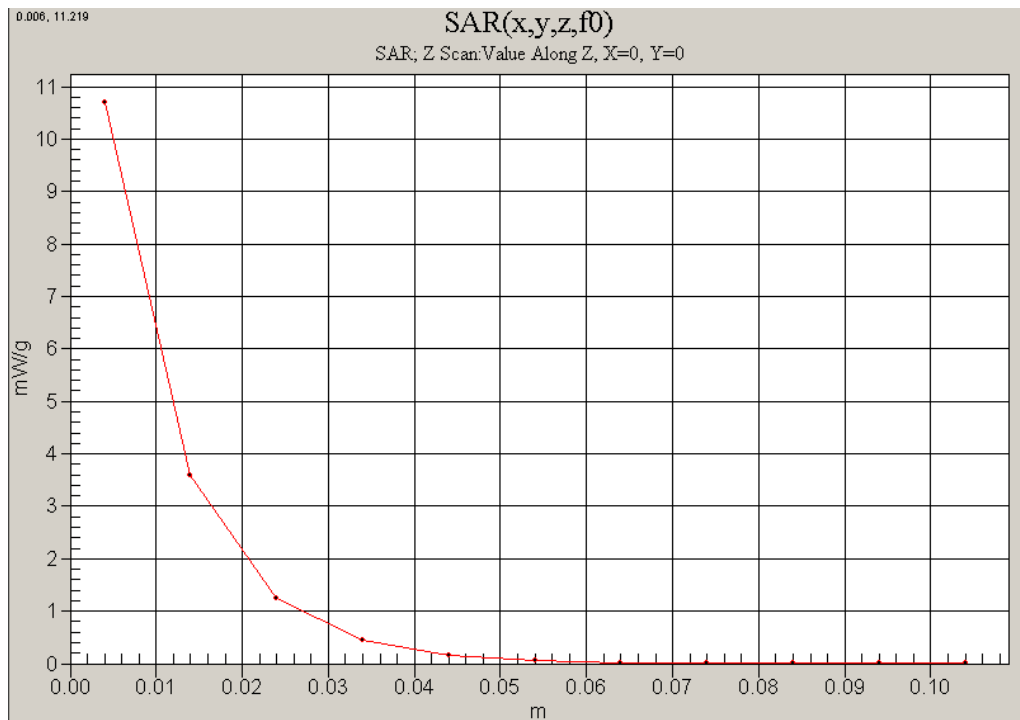


Fig. 17: SAR versus liquid depth, 1900 MHz (GPRS 1900), body (July 30, 2007; Ambient Temperature: 22.6° C; Liquid Temperature : 21.1° C).

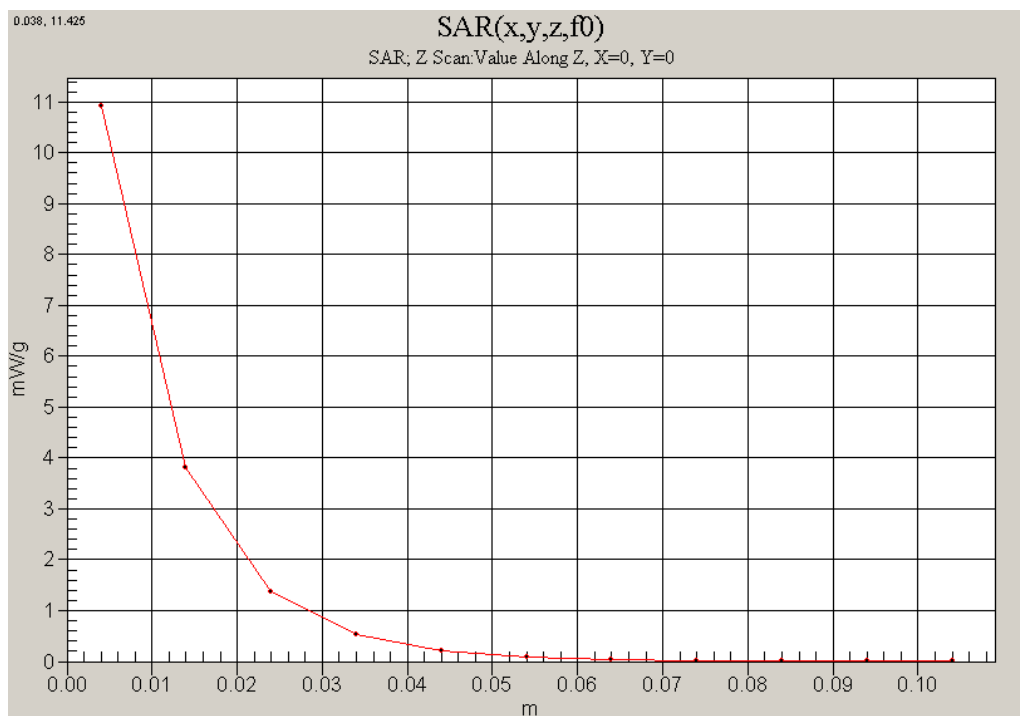


Fig. 18: SAR versus liquid depth, 1900 MHz (WCDMA II), body (July 31, 2007; Ambient Temperature: 22.6° C; Liquid Temperature : 21.7° C).

6 SAR z-axis scans (Measurements)

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

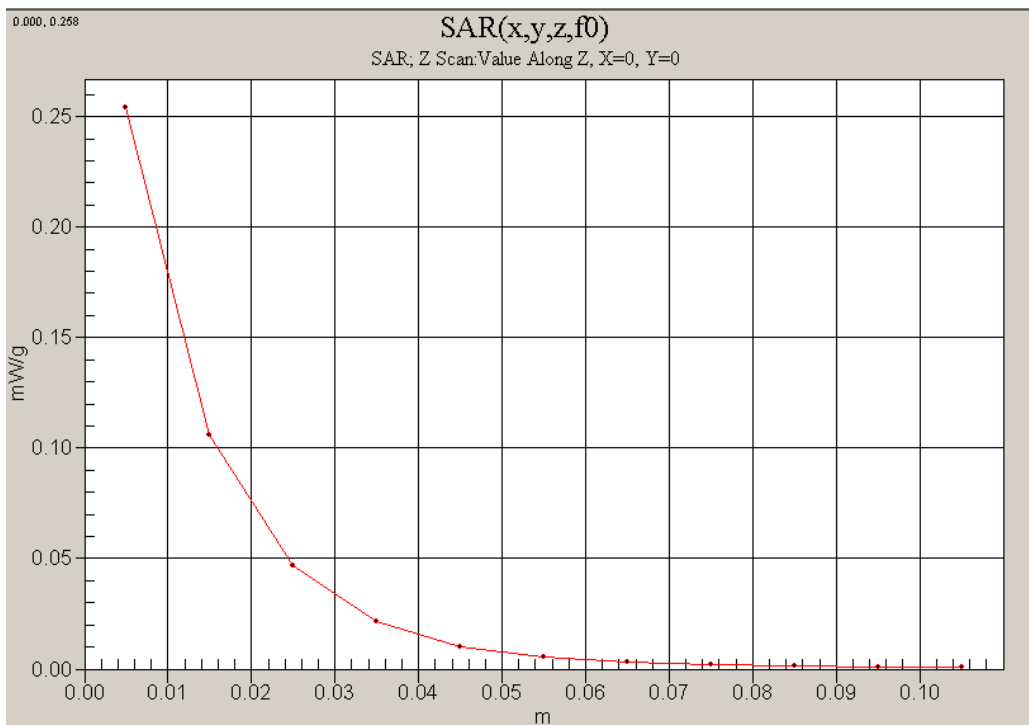


Fig. 19: SAR versus liquid depth, body: GPRS 850, channel 190 (Acer TravelMate, July 26, 2007; Ambient Temperature: 22.4° C; Liquid Temperature: 21.6° C).

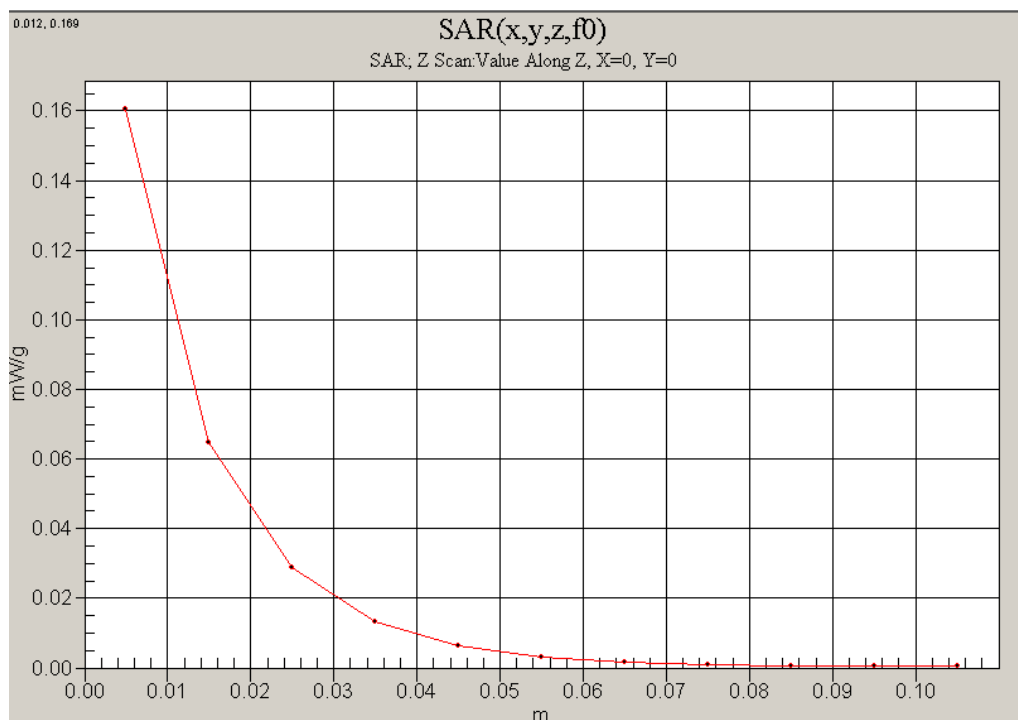


Fig. 20: SAR versus liquid depth, body: WCDMA V (FDD) with HSDPA activated, channel 4183 (DELL Latitude C 810, July 27, 2007; Ambient Temperature: 22.4° C; Liquid Temperature : 21.3° C).

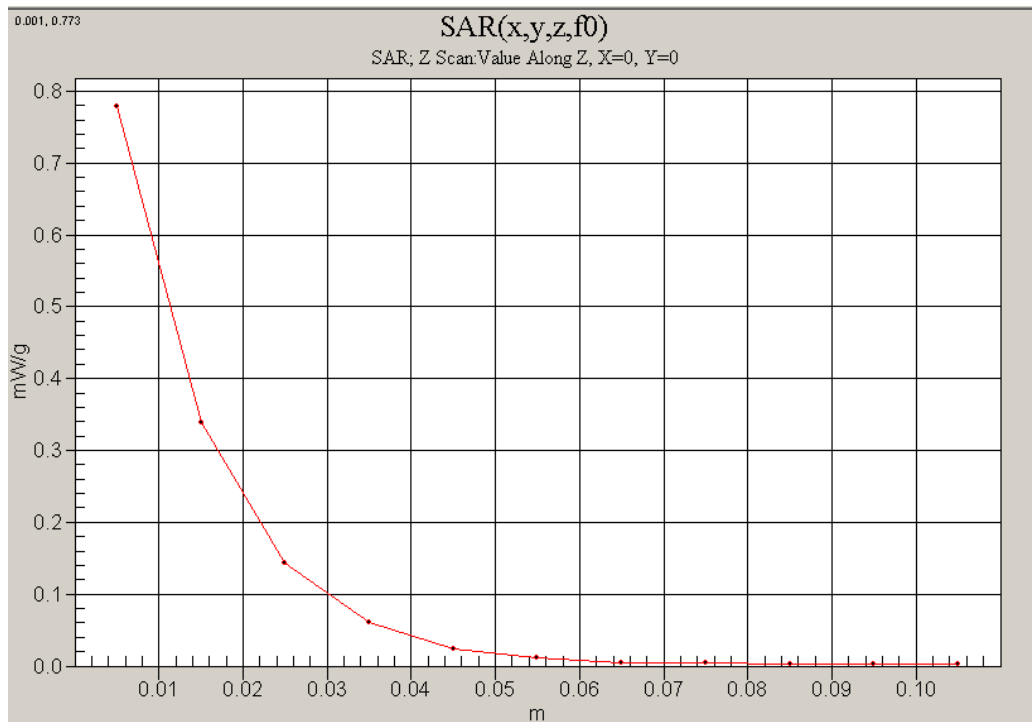


Fig. 21: SAR versus liquid depth, body: GPRS 1900, channel 512 (Dell Latitude C810, July 30, 2007; Ambient Temperature: 22.6° C; Liquid Temperature: 21.6° C).

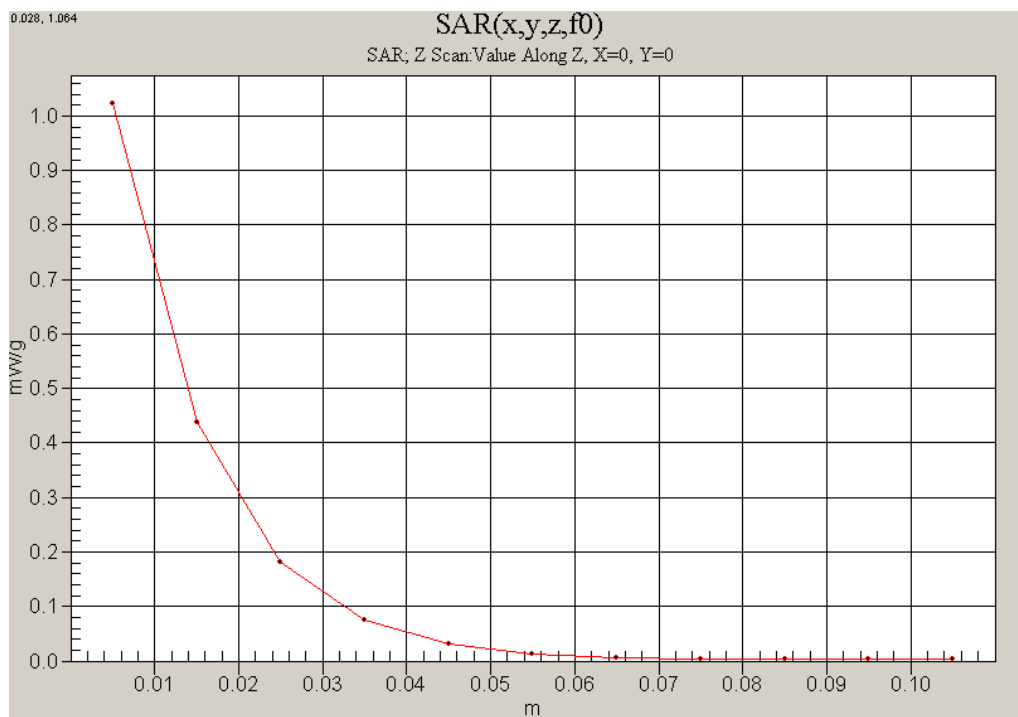


Fig. 22: SAR versus liquid depth, body: WCDMA II (FDD), channel 9400 (Dell Latitude C810, July 31, 2007; Ambient Temperature: 22.5° C; Liquid Temperature: 21.6° C).