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Appendix for the Report

Dosimetric Assessment of the Portable Device GI0644 from Option tested in one host product (FCC ID: NCMOGI0644)

According to the FCC Requirements SAR Distribution Plots

March 08, 2012

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The test results only relate to the items tested. This report shall not be reproduced except in full without the written approval of the testing laboratory.

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1 SAR Distribution Plots, WCDMA V Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [679_buhm_1_5mm.da4](#)

DUT: Option; Type: GI0644; Serial: 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.524 mW/g

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

Reference Value = 23.0 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.759 W/kg

SAR(1 g) = 0.487 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.529 mW/g

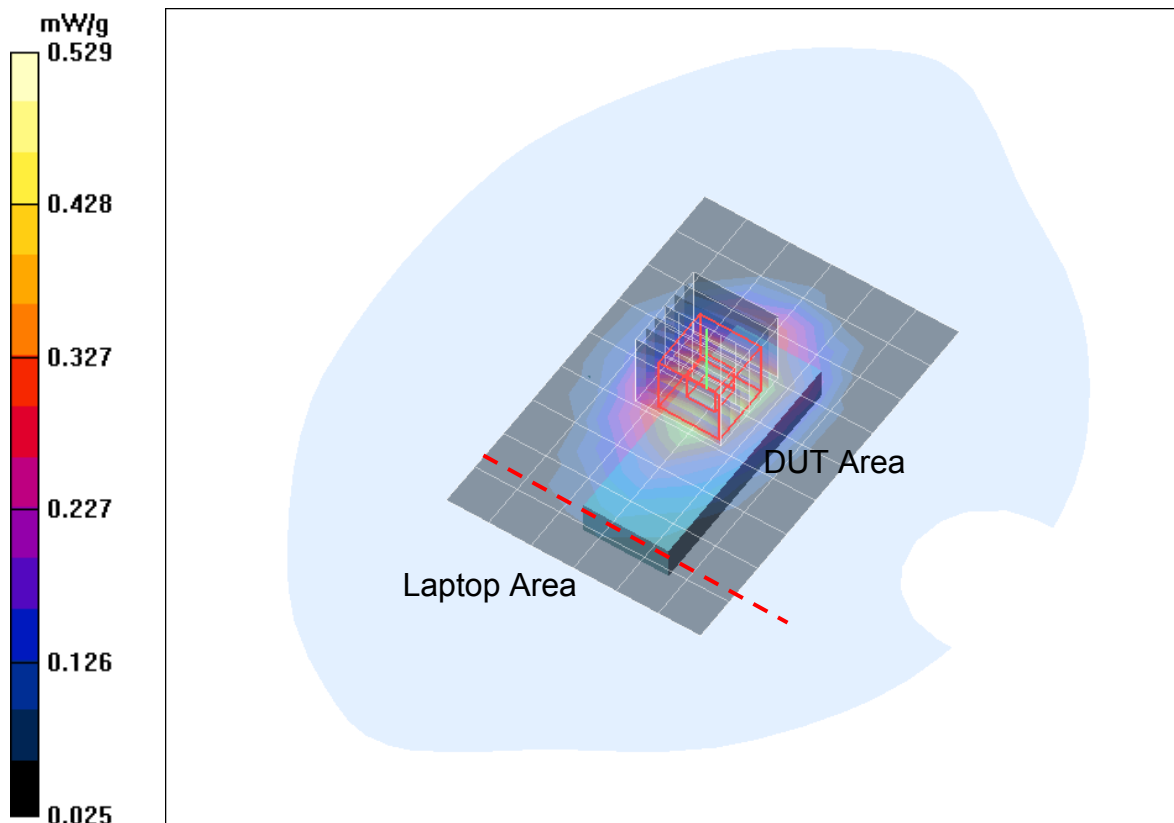


Fig. 1: SAR distribution for WCDMA V, channel 4183, Position 1 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_2_5mm.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.577 mW/g

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

Reference Value = 23.8 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.528 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.575 mW/g

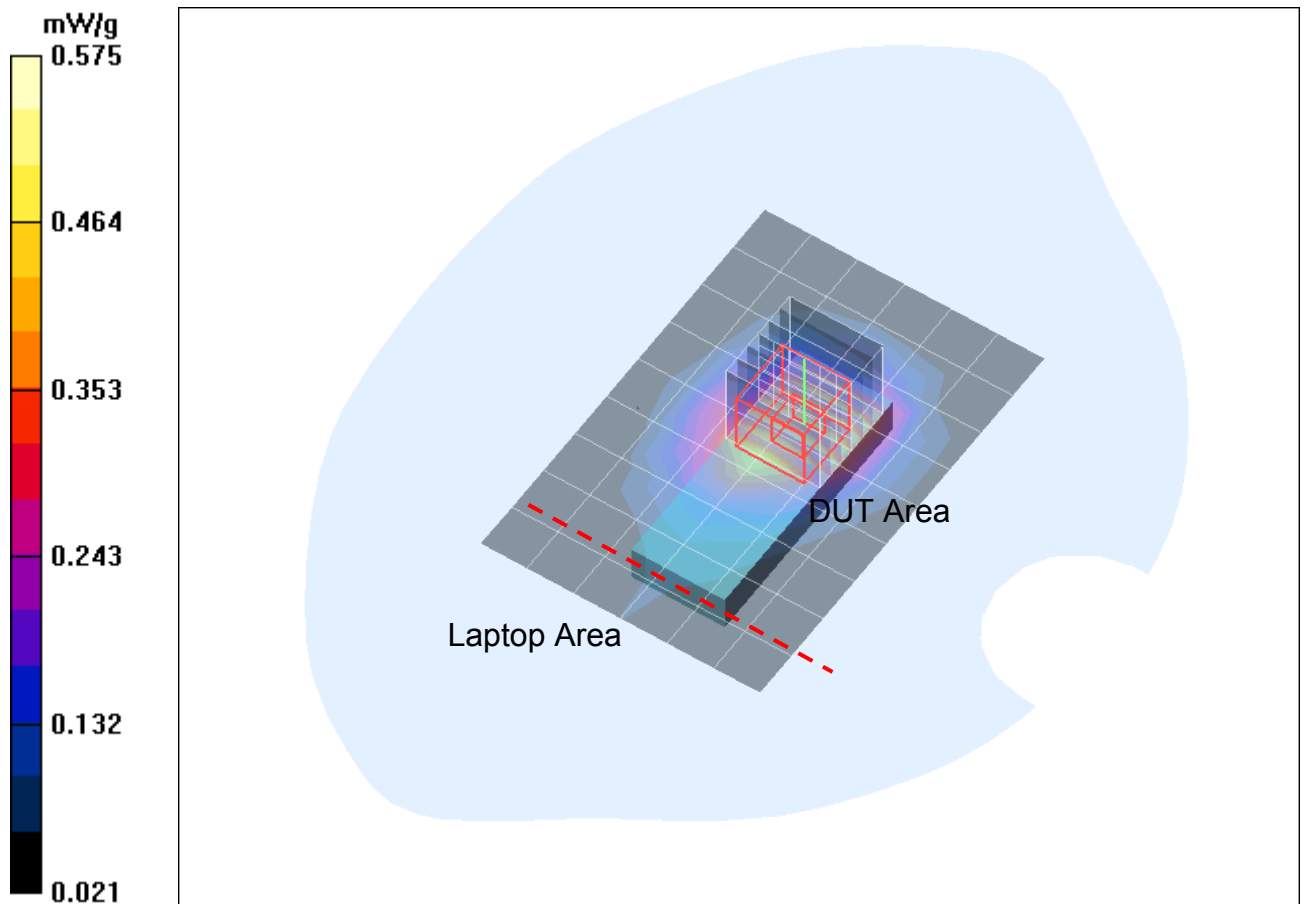


Fig. 2: SAR distribution for WCDMA V, channel 4183, Position 2 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_3_5mm.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

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

Reference Value = 18.1 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.298 mW/g

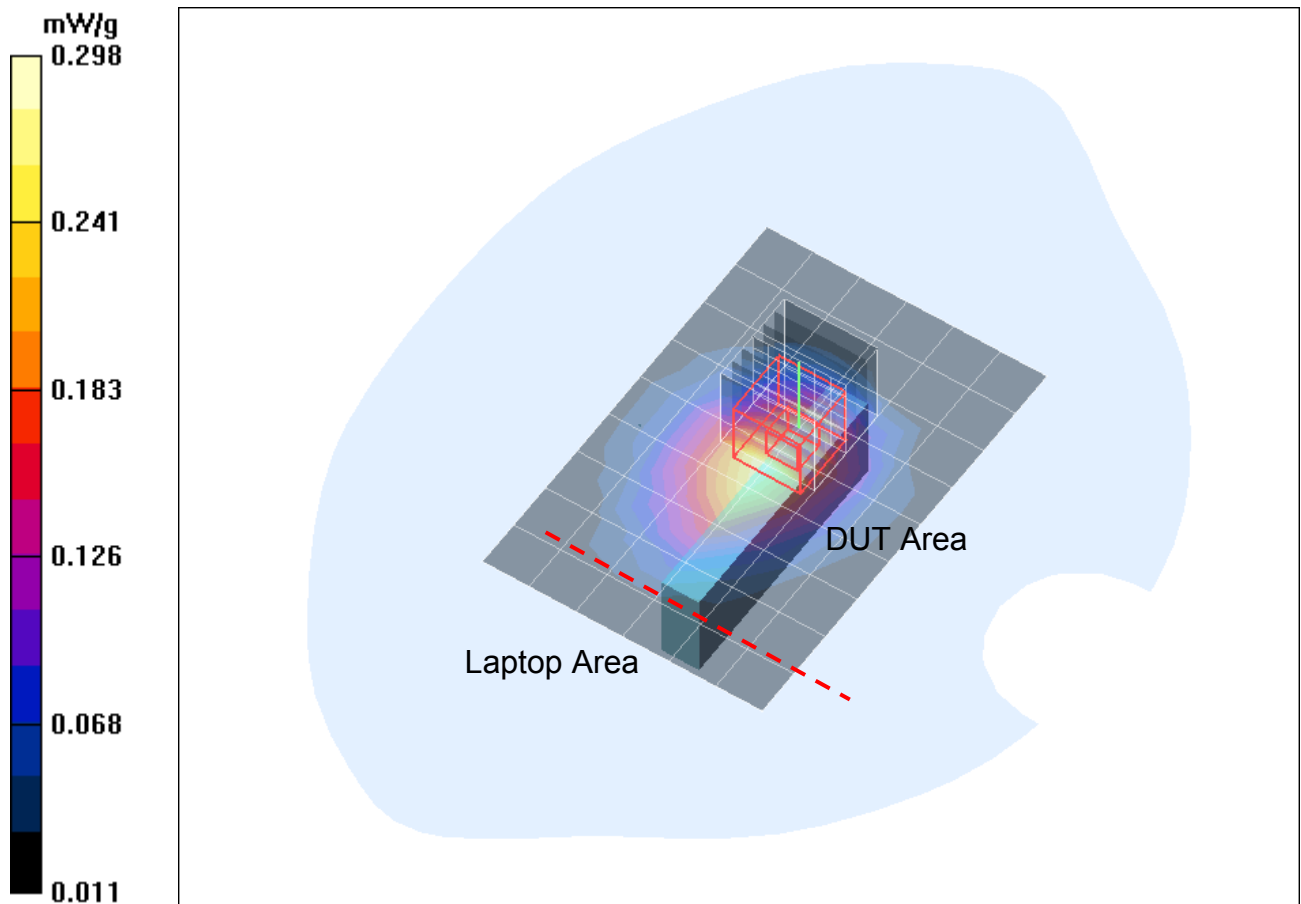


Fig. 3: SAR distribution for WCDMA V, channel 4183, Position 3 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_4_5mm.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.506 mW/g

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

Reference Value = 18.8 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 1.03 W/kg

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.253 mW/g

Maximum value of SAR (measured) = 0.505 mW/g

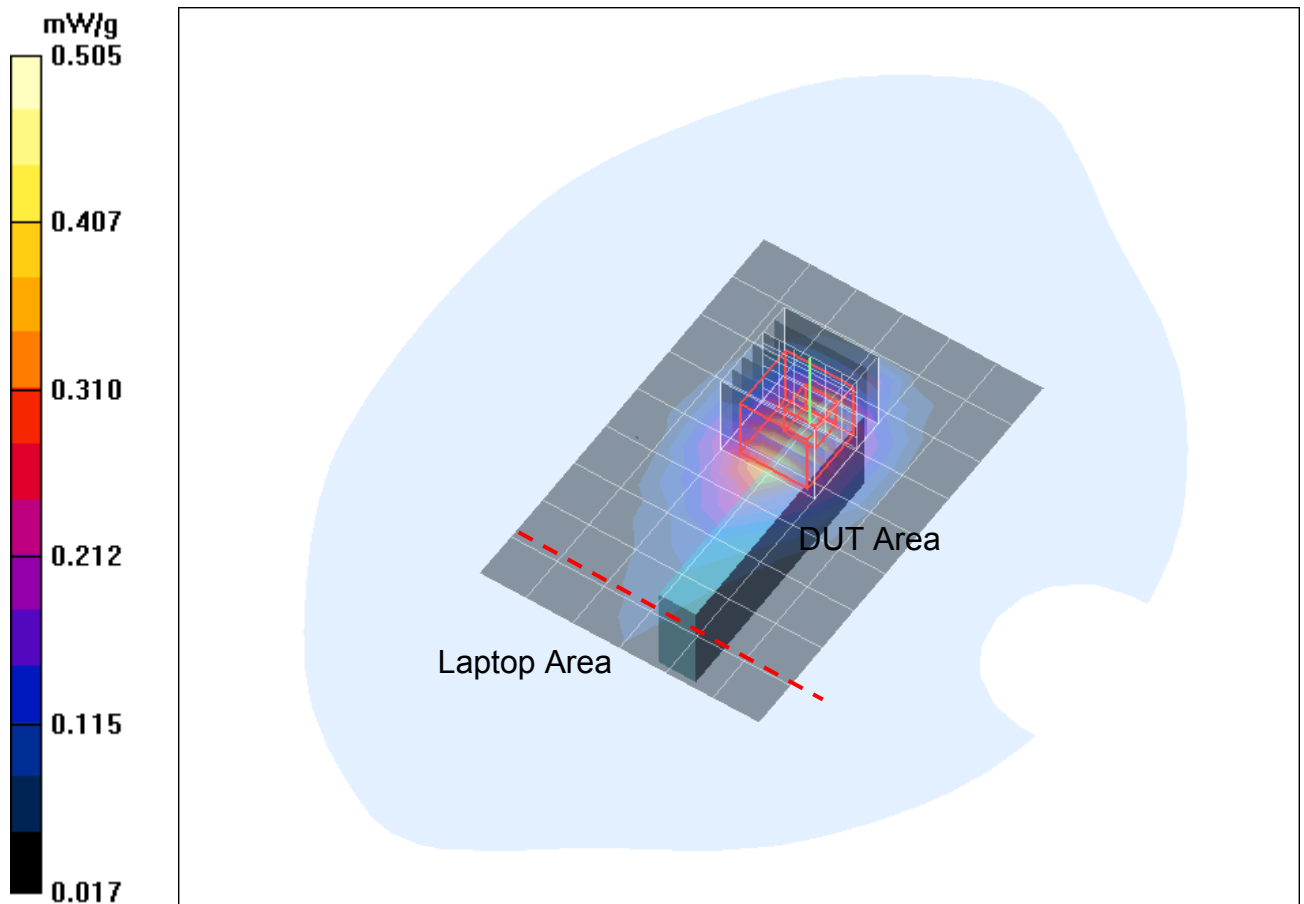


Fig. 4: SAR distribution for WCDMA V, channel 4183, Position 4 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_5_5mm.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x8x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.114 mW/g

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

Reference Value = 14.7 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 0.576 W/kg

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.200 mW/g

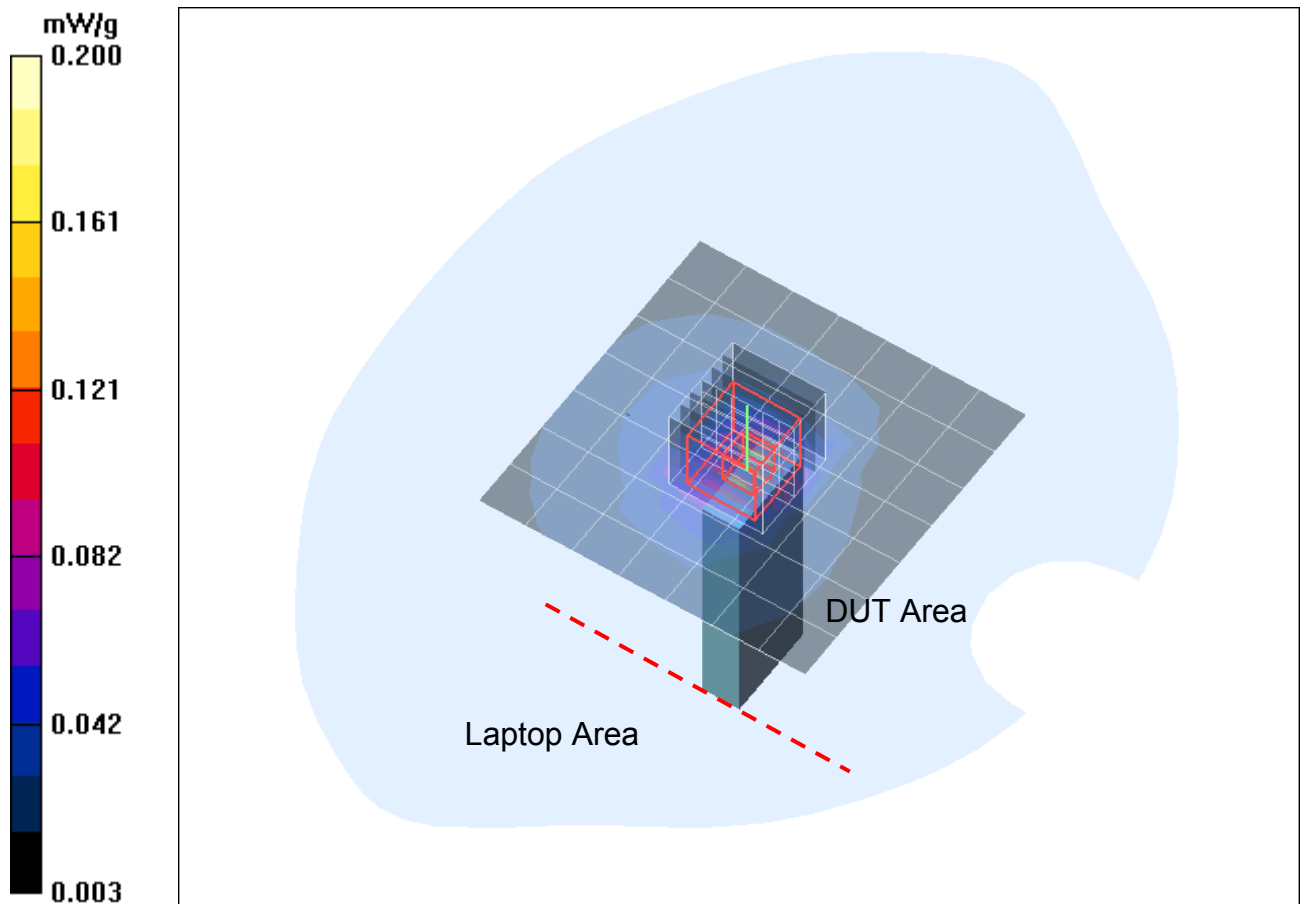


Fig. 5: SAR distribution for WCDMA V, channel 4183, Position 5 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_6_5mm.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (8x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.040 mW/g

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

Reference Value = 5.64 V/m; Power Drift = -0.116 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.043 mW/g

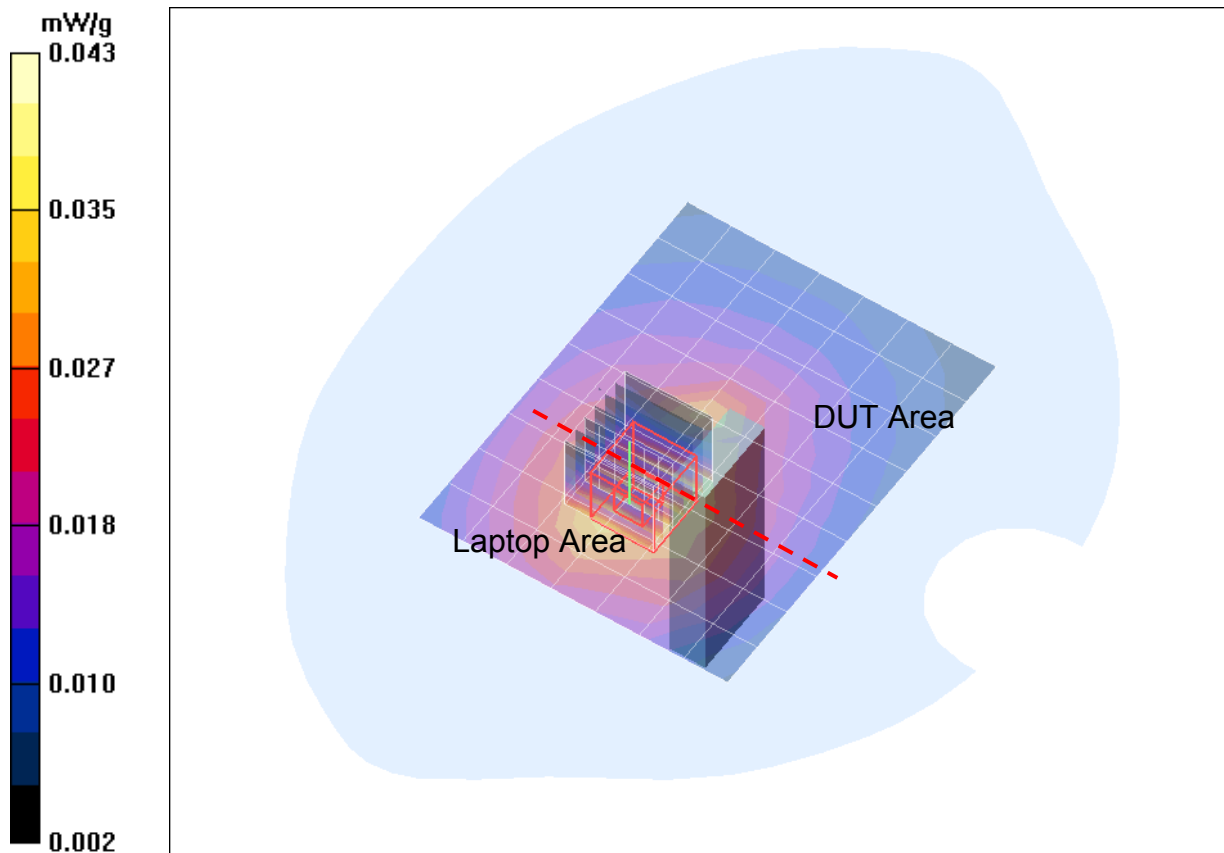


Fig. 6: SAR distribution for WCDMA V, channel 4183, Position 6, bottom tip (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_2_5mm_hsdpa.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

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

Reference Value = 20.7 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.470 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.509 mW/g

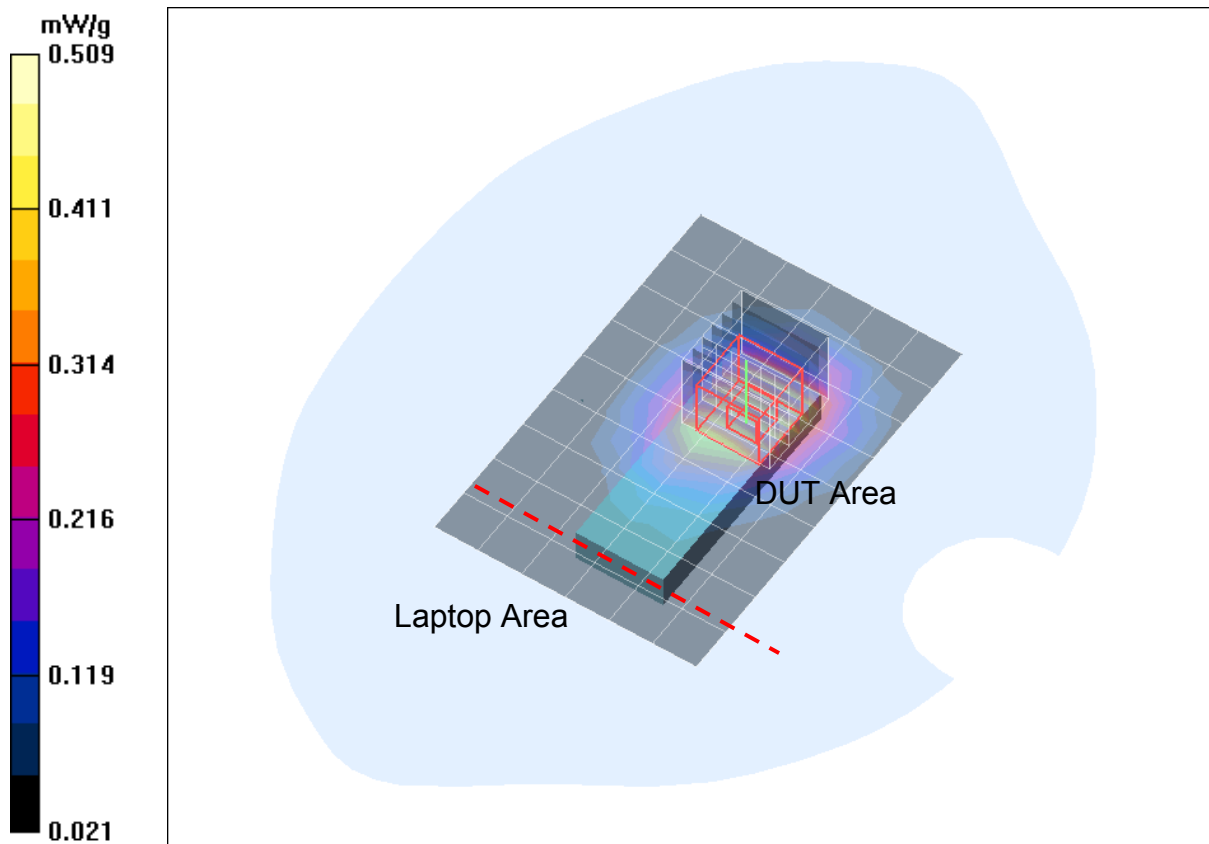


Fig. 7: SAR distribution for WCDMA V with HSDPA activated, channel 4183, Position 1 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_2_5mm_hsupa.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.490 mW/g

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

Reference Value = 20.3 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.719 W/kg

SAR(1 g) = 0.474 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.515 mW/g

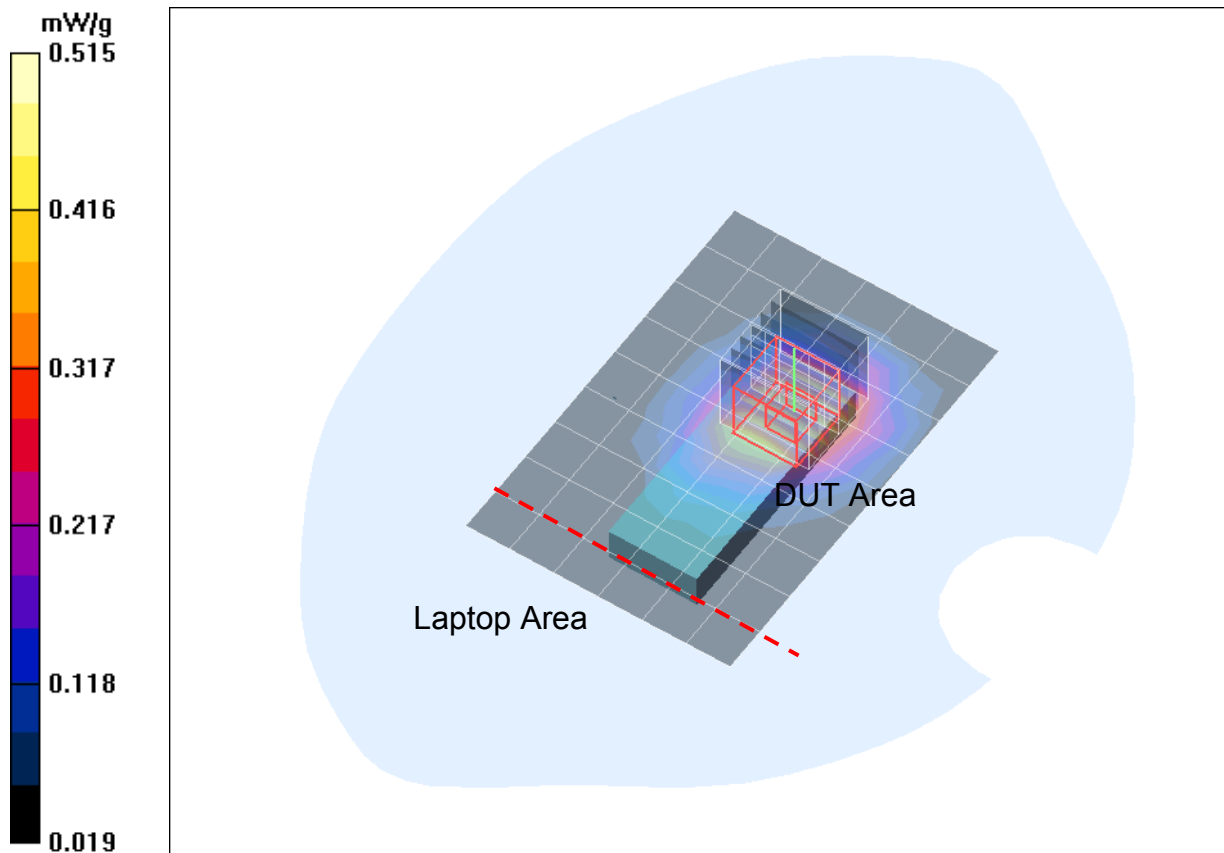


Fig. 8: SAR distribution for WCDMA V with HSUPA activated, channel 4183, Position 1 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

Test Laboratory: IMST GmbH, DASY Blue (I); **File Name:** [679_buhm_2_5mm_90.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA V

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

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (10x7x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.516 mW/g

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

Reference Value = 22.0 V/m; Power Drift = -0.175 dB

Peak SAR (extrapolated) = 0.779 W/kg

SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 0.515 mW/g

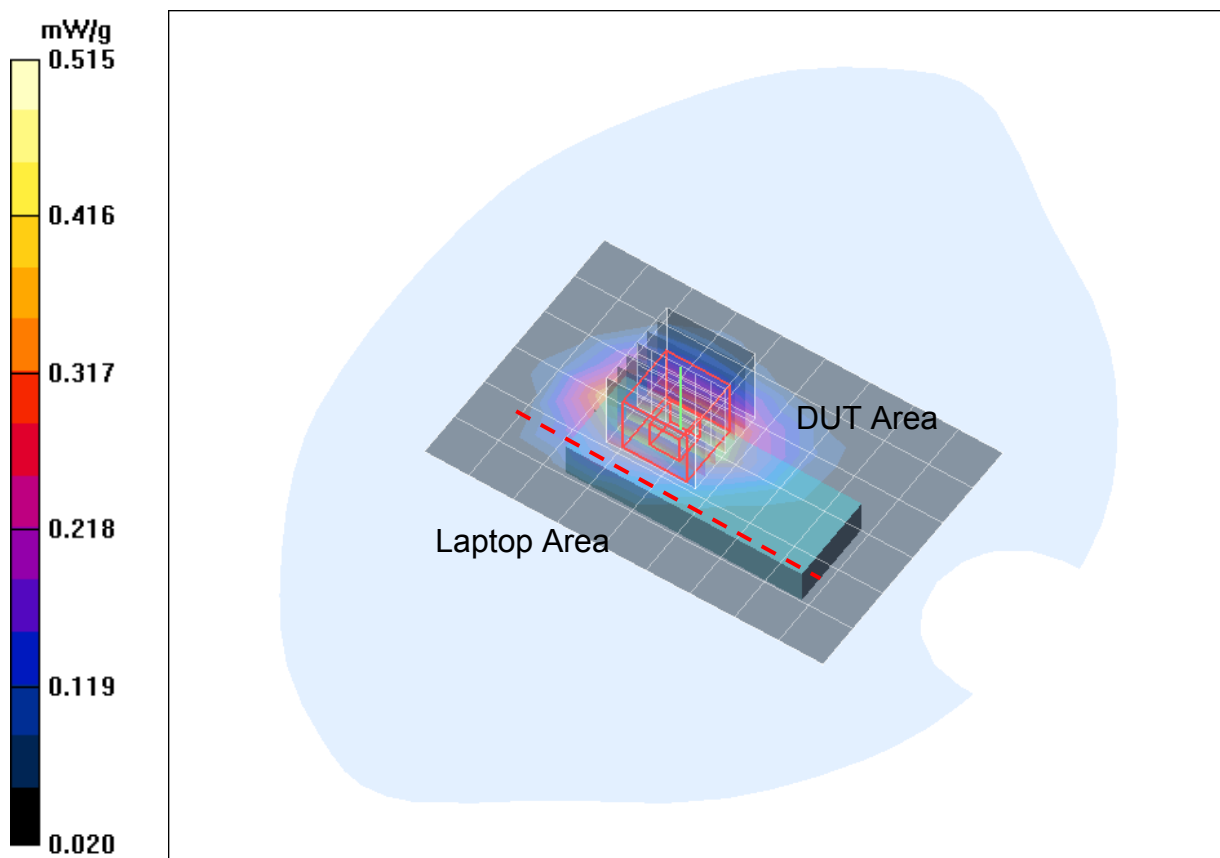


Fig. 9: SAR distribution for WCDMA V, channel 4183, position 2 in 90° configuration (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

2 SAR Distribution Plots, Worst Case GPRS 850 Body

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [679_bahm_2_5mm.da4](#)

DUT: Option; Type: GI0644; Serial: 004401441450679

Program Name: GPRS 850

Communication System: GPRS 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.67

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 - SN1579; ConvF(6.24, 6.24, 6.24); Calibrated: 25.01.2012
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 20.02.2012
- Phantom: SAM Sugar 1059; Type: Speag; Serial: 1059
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.858 mW/g

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

Reference Value = 29.9 V/m; Power Drift = 0.072 dB

Peak SAR (extrapolated) = 1.20 W/kg

SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.492 mW/g

Maximum value of SAR (measured) = 0.849 mW/g

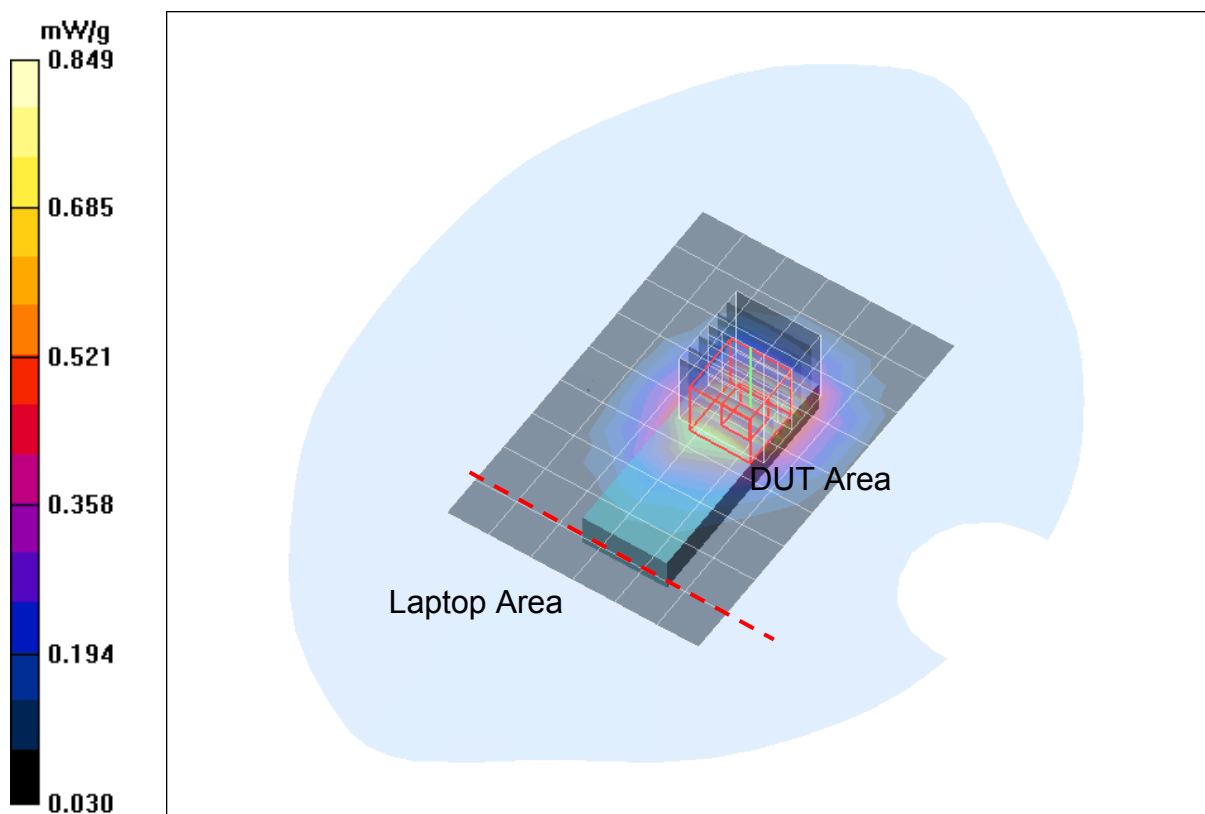


Fig. 10: SAR distribution for GPRS 850 (Class 11), channel 190, Position 2 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

3 SAR Distribution Plots, Worst Case GPRS 1900 Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [679_yphl_1_5mm.da4](#)

DUT: Option; Type: GI0644; Serial: 004401441450679

Program Name: GPRS 1900

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

Medium parameters used (extrapolated): $f = 1850.2$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 54.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.03, 8.03, 8.03); Calibrated: 26.09.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 21.09.2011
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 1.15 mW/g

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

Reference Value = 29.2 V/m; Power Drift = -0.033 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.655 mW/g

Maximum value of SAR (measured) = 1.27 mW/g

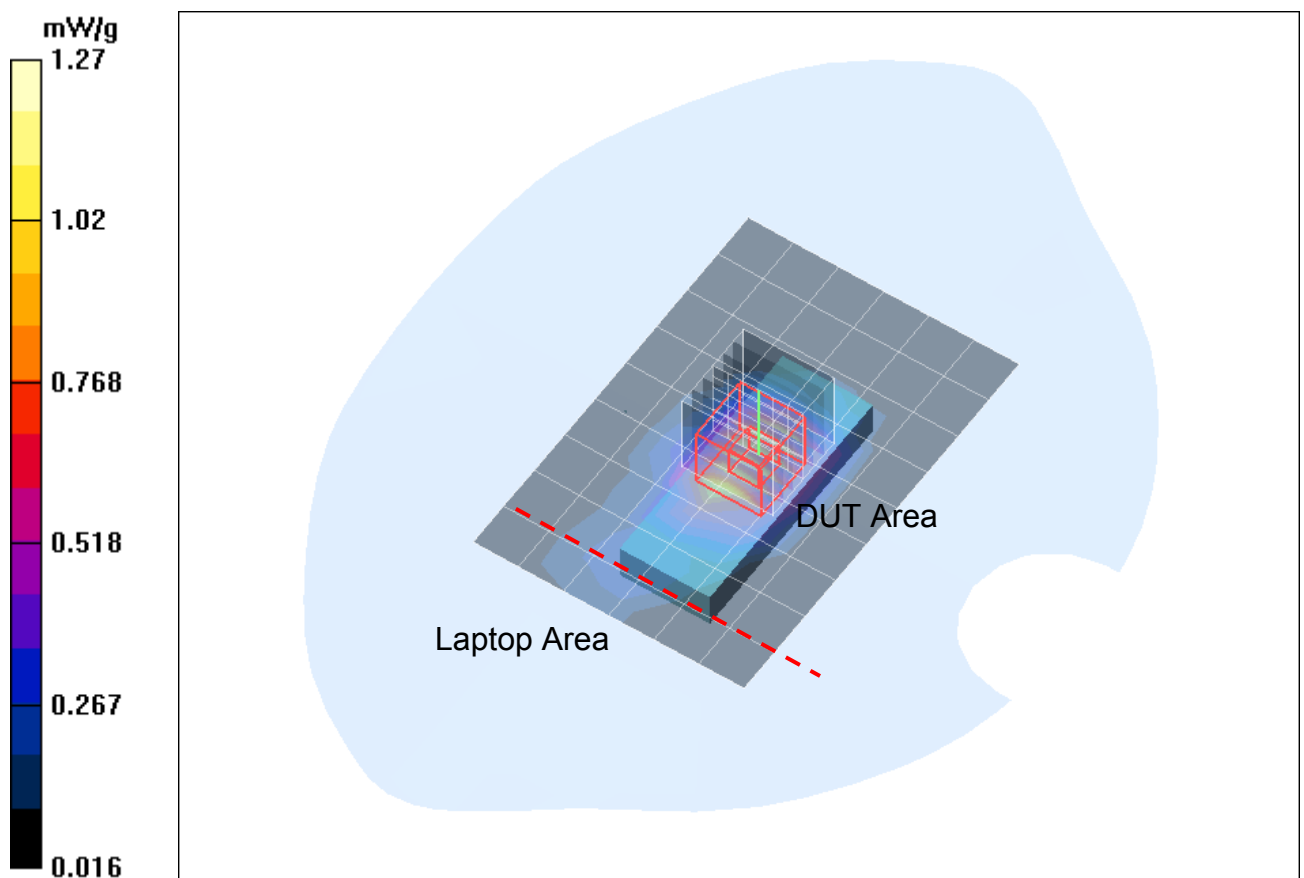


Fig. 11: SAR distribution for GPRS 1900 (Class 12), channel 512, Position 1 (Dell Latitude X300, March 02, 2012; Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C).

4 SAR Distribution Plots, Worst Case WCDMA FDD II Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [679_yullhm_1_5mm.da4](#)

DUT: Option; Type: GI0644; Serial: 004401441450679

Program Name: WCDMA II

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.03, 8.03, 8.03); Calibrated: 26.09.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 21.09.2011
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

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

Reference Value = 31.2 V/m; Power Drift = -0.144 dB

Peak SAR (extrapolated) = 2.24 W/kg

SAR(1 g) = 1.38 mW/g; SAR(10 g) = 0.803 mW/g

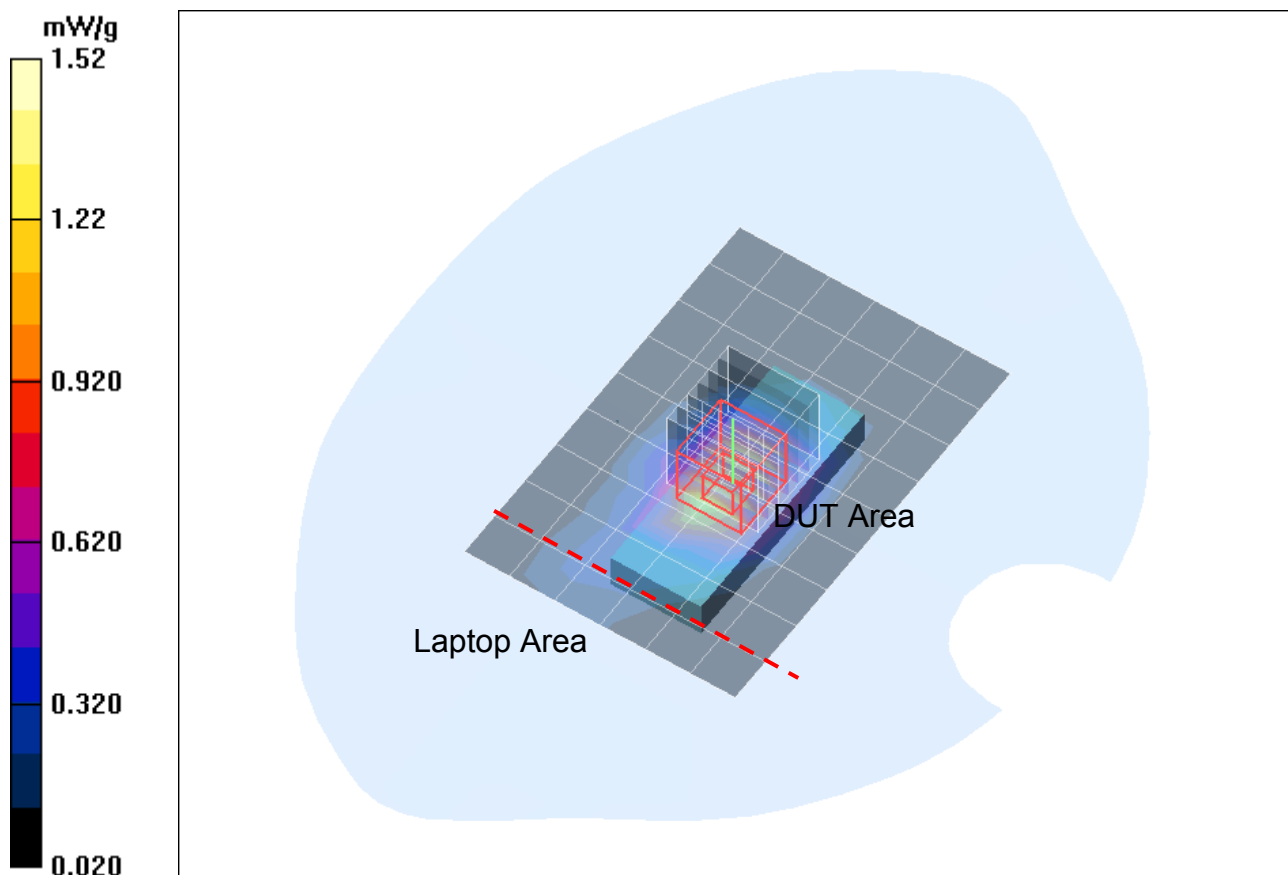


Fig. 12: SAR distribution for WCDMA II, channel 9400, Position 1 (Dell Latitude X300, March 02, 2012; Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [679_yullhm_1_5mm_90.da4](#)

DUT: Option; **Type:** GI0644; **Serial:** 004401441450679

Program Name: WCDMA II

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(8.03, 8.03, 8.03); Calibrated: 26.09.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 21.09.2011
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Body Worn/Area Scan (10x7x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 1.25 mW/g

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

Reference Value = 28.2 V/m; Power Drift = 0.063 dB

Peak SAR (extrapolated) = 2.03 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.712 mW/g

Maximum value of SAR (measured) = 1.31 mW/g

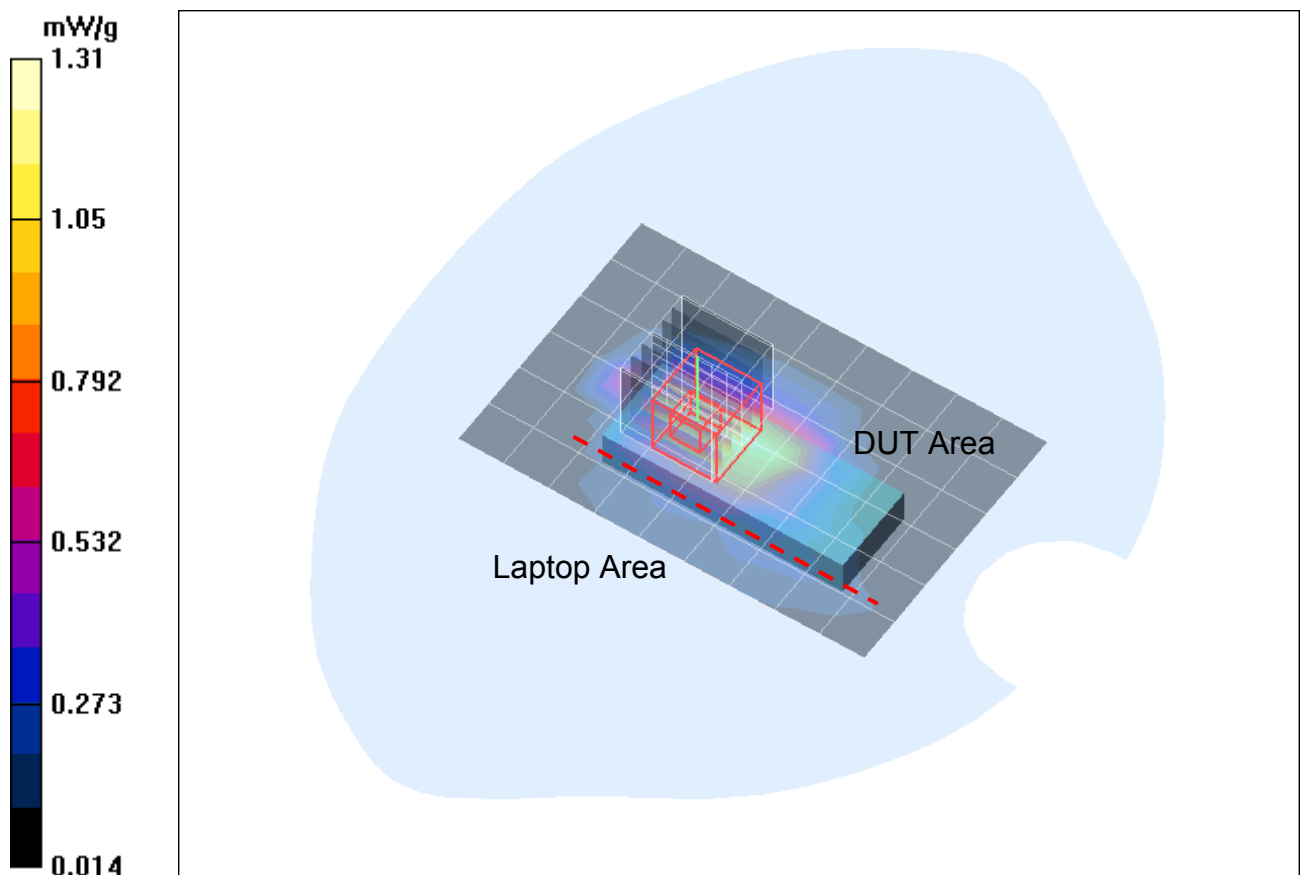


Fig. 13: SAR distribution for WCDMA II, channel 9400, position 1 in 90° configuration (Dell Latitude X300, March 02, 2012; Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C).

5 SAR Distribution Plots, Worst Case IEEE 802.11b Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [679_ywhm_2_CH6_5mm_b.da4](#)

DUT: Option; Type: GI0644; Serial: 004401441450679

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.42, 7.42, 7.42); Calibrated: 26.09.2011
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 21.09.2011
- Phantom: SAM Glycol 1340; Type: QD 000 P40 CB; Serial: TP-1340
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (measured) = 0.201 mW/g

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

Reference Value = 9.43 V/m; Power Drift = -0.078 dB

Peak SAR (extrapolated) = 0.396 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.287 mW/g

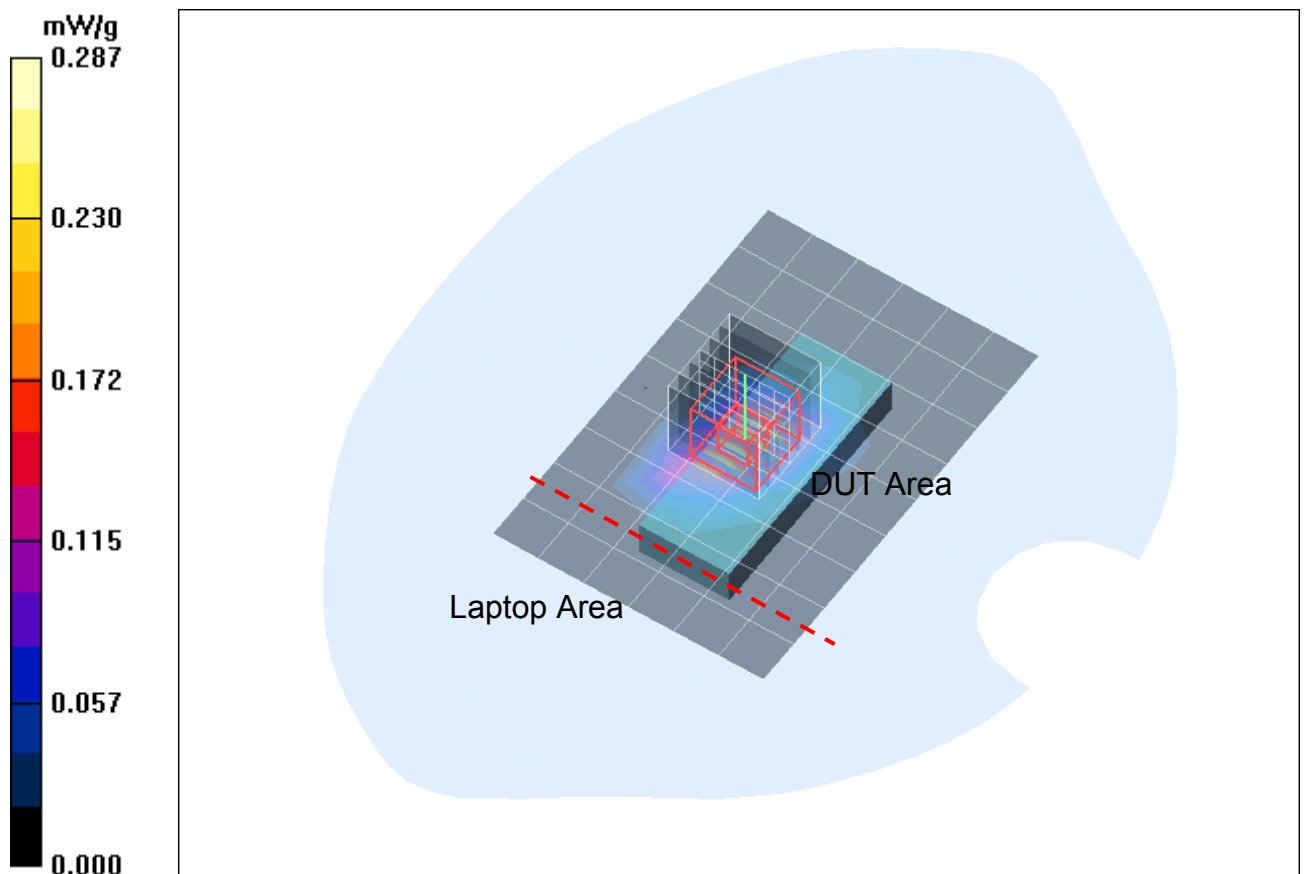


Fig. 14: SAR distribution for IEEE 802.11 b, channel 6, Position 2 (Dell Latitude X300, March 08, 2012; Ambient Temperature: 21.8°C; Liquid Temperature: 21.7°C).

6 SAR Z-Axis Scans (Validation)

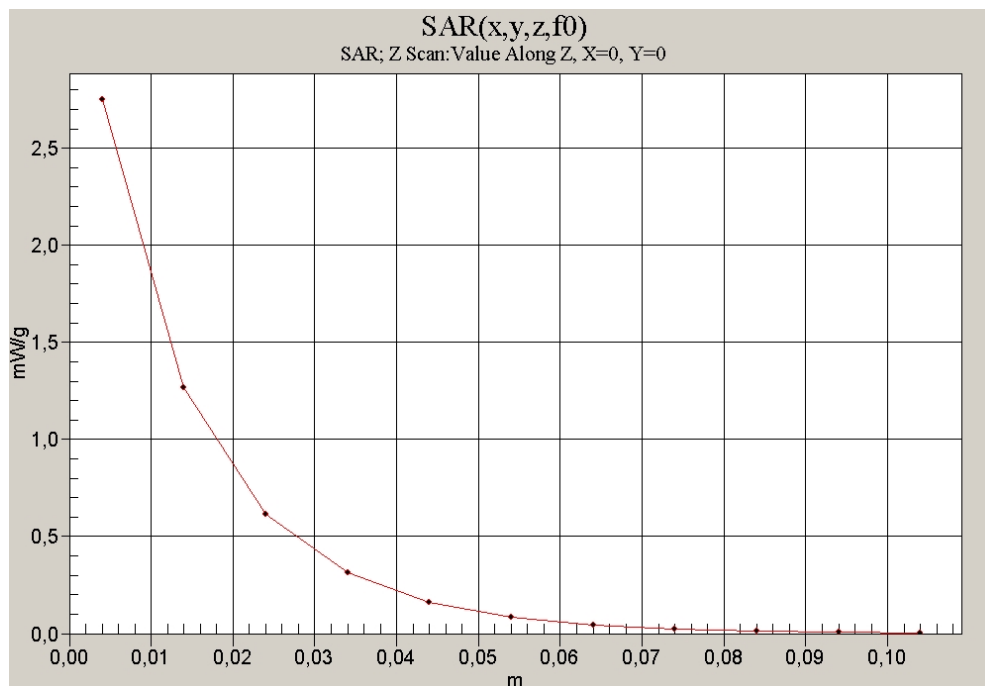


Fig. 15: SAR versus liquid depth, 835 MHz, body (March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.0°C).

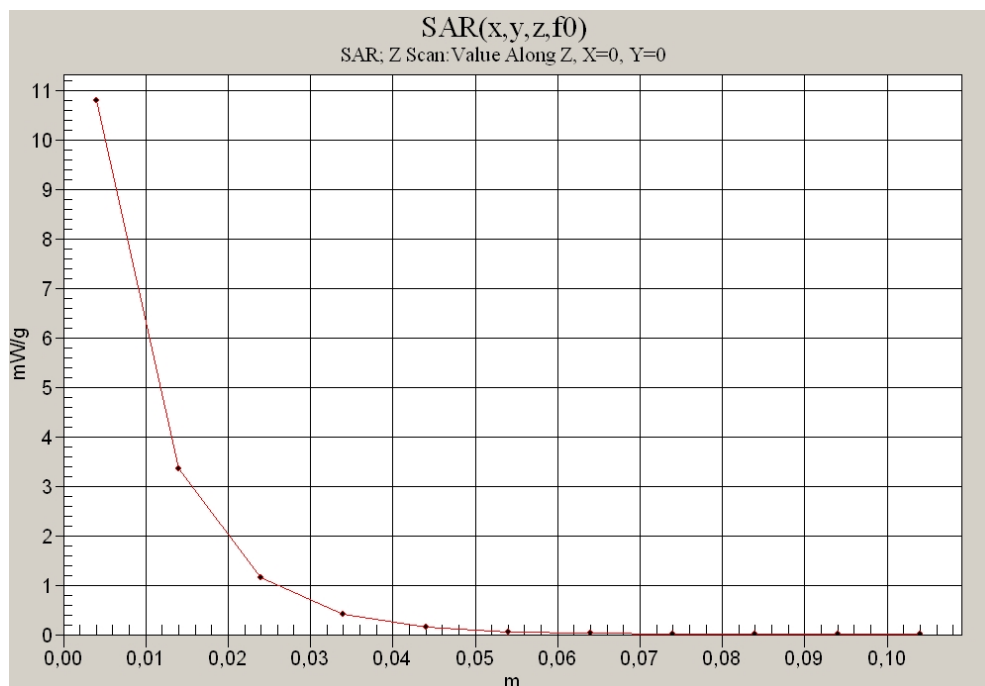


Fig. 16: SAR versus liquid depth, 1900 MHz, body (March 02, 2012; Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C).

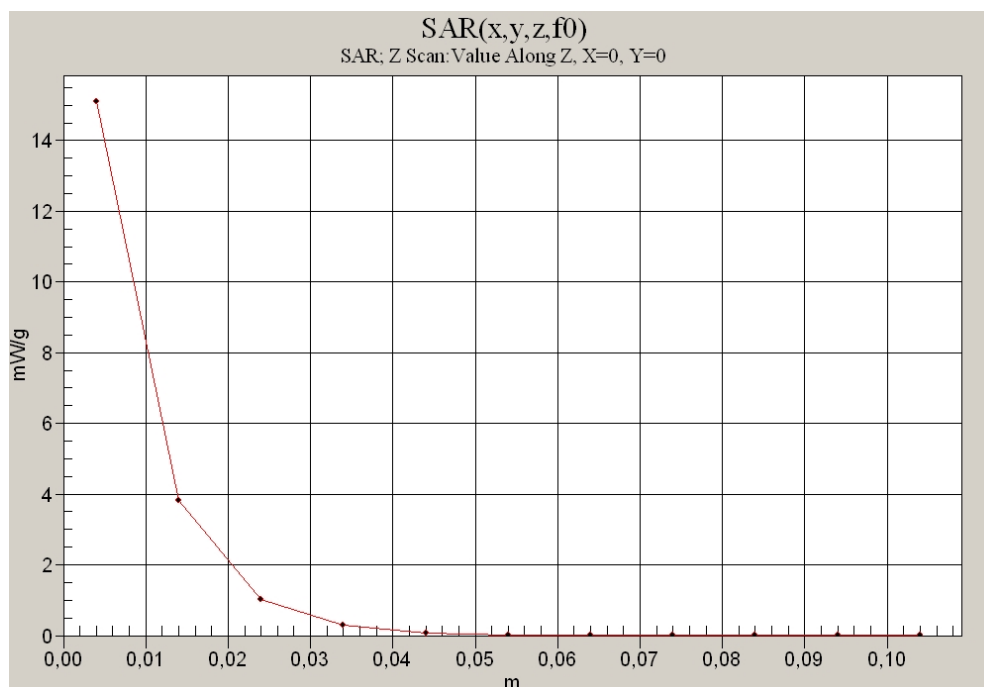


Fig. 17: SAR versus liquid depth, 2450 MHz, body (March 08, 2012; Ambient Temperature: 21.8°C; Liquid Temperature: 21.7°C).

7 SAR Z-Axis Scans (Measurements)

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

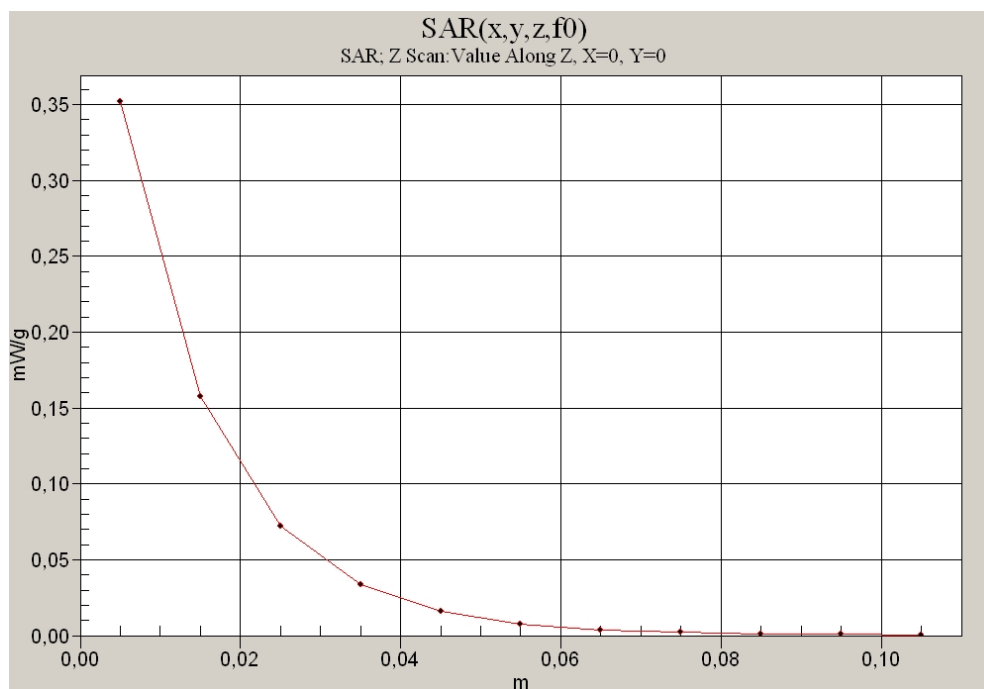


Fig. 18: SAR versus liquid depth, body: WCDMA V (FDD), channel 4183, Position 2 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.1°C).

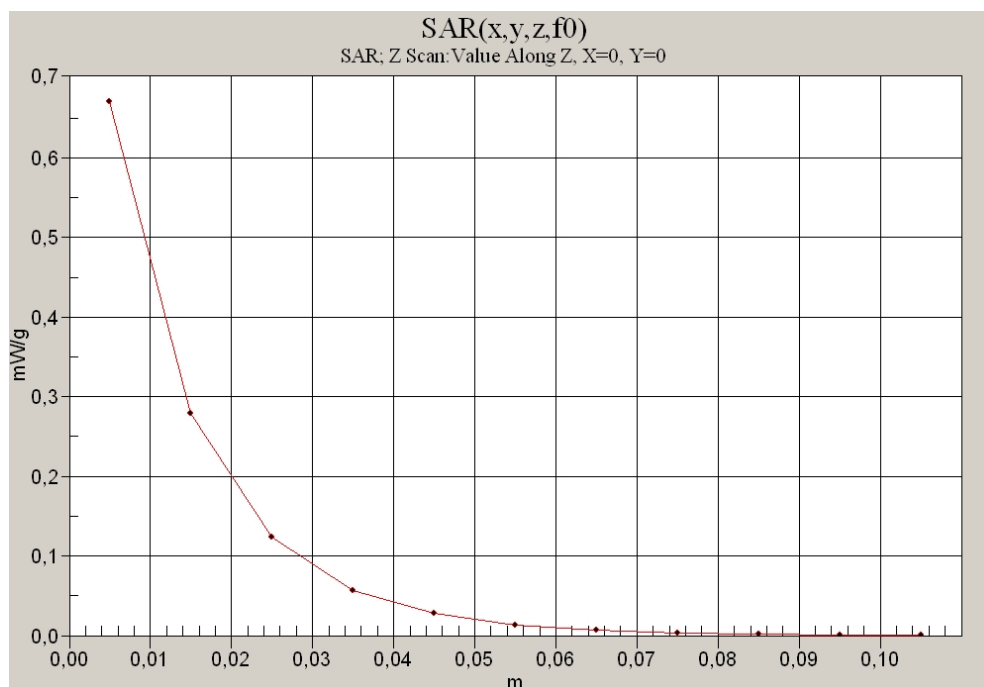


Fig. 19: SAR versus liquid depth, body: GPRS 850 (Class 11), channel 190, Position 2 (Dell Latitude X300, March 01, 2012; Ambient Temperature: 22.4°C; Liquid Temperature: 22.0°C).

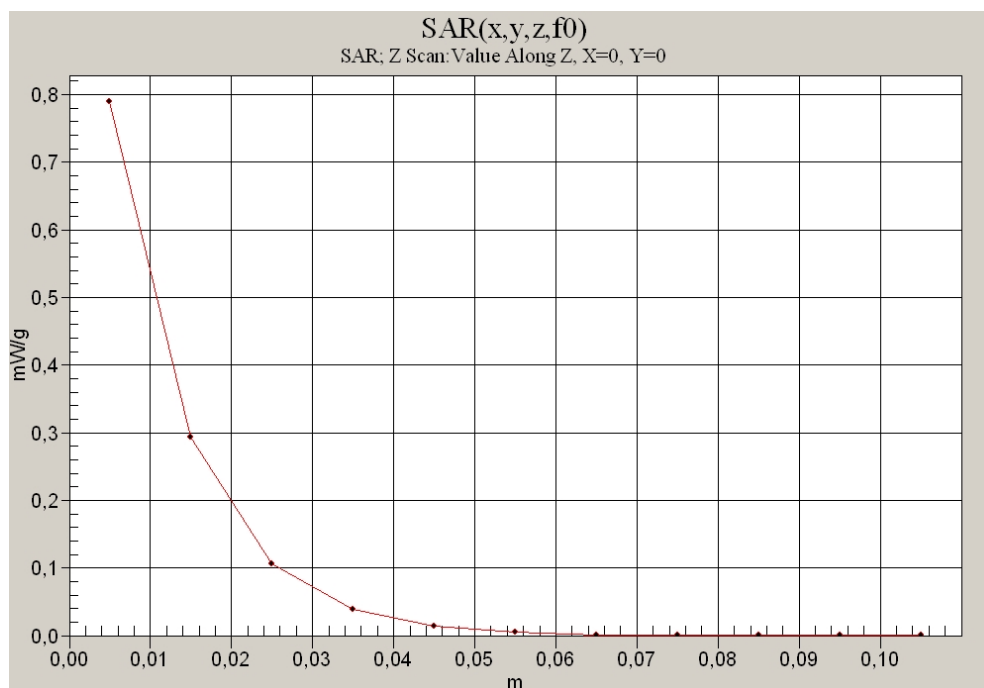


Fig. 20: SAR versus liquid depth, body: GPRS 1900 (Class 12), channel 512, Position 1 (Dell Latitude X300, March 02, 2012; Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C).

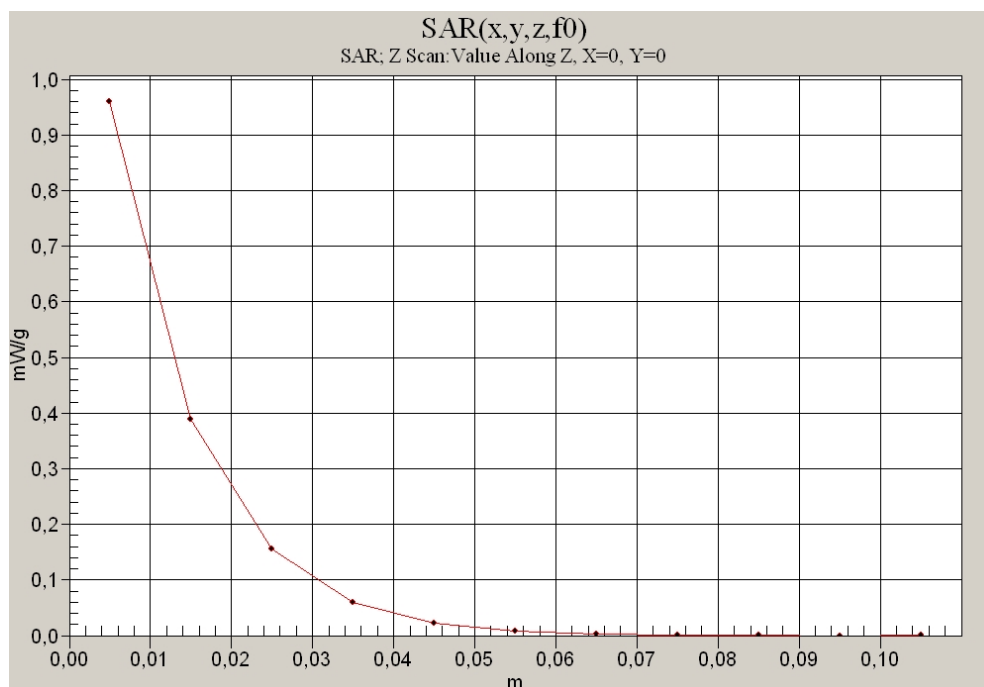


Fig. 21: SAR versus liquid depth, body: WCDMA II, channel 9400, Position 1 (Dell Latitude X300, March 02, 2012; Ambient Temperature: 22.1°C; Liquid Temperature: 21.9°C).

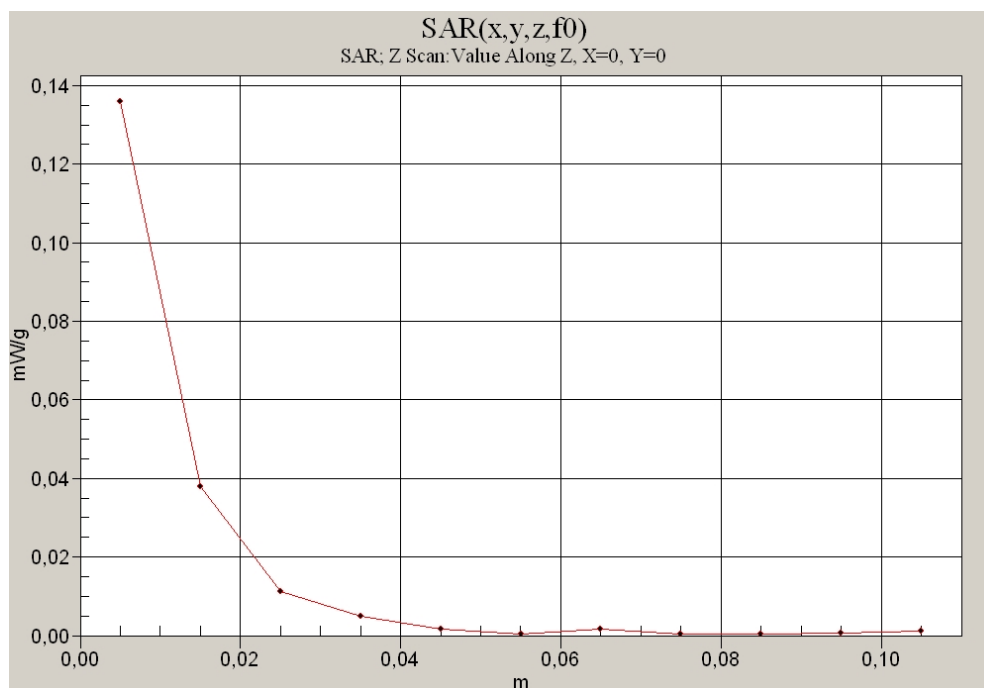


Fig. 22: SAR versus liquid depth, body: IEEE 802.11 b, channel 6, Position 2 (Dell Latitude X300, March 08, 2012; Ambient Temperature: 21.8°C; Liquid Temperature: 21.7°C).