

Appendix for the Report

Dosimetric Assessment of the Kyocera F42 (FCC ID: V65OASY1)

According to the FCC Requirements

SAR Distribution Plots

November 24, 2011

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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, PCS 1900, Head

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_yplm_1.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: PCS 1900

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

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

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

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

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

Reference Value = 7.27 V/m; Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.880 W/kg

SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.286 mW/g

Maximum value of SAR (measured) = 0.539 mW/g

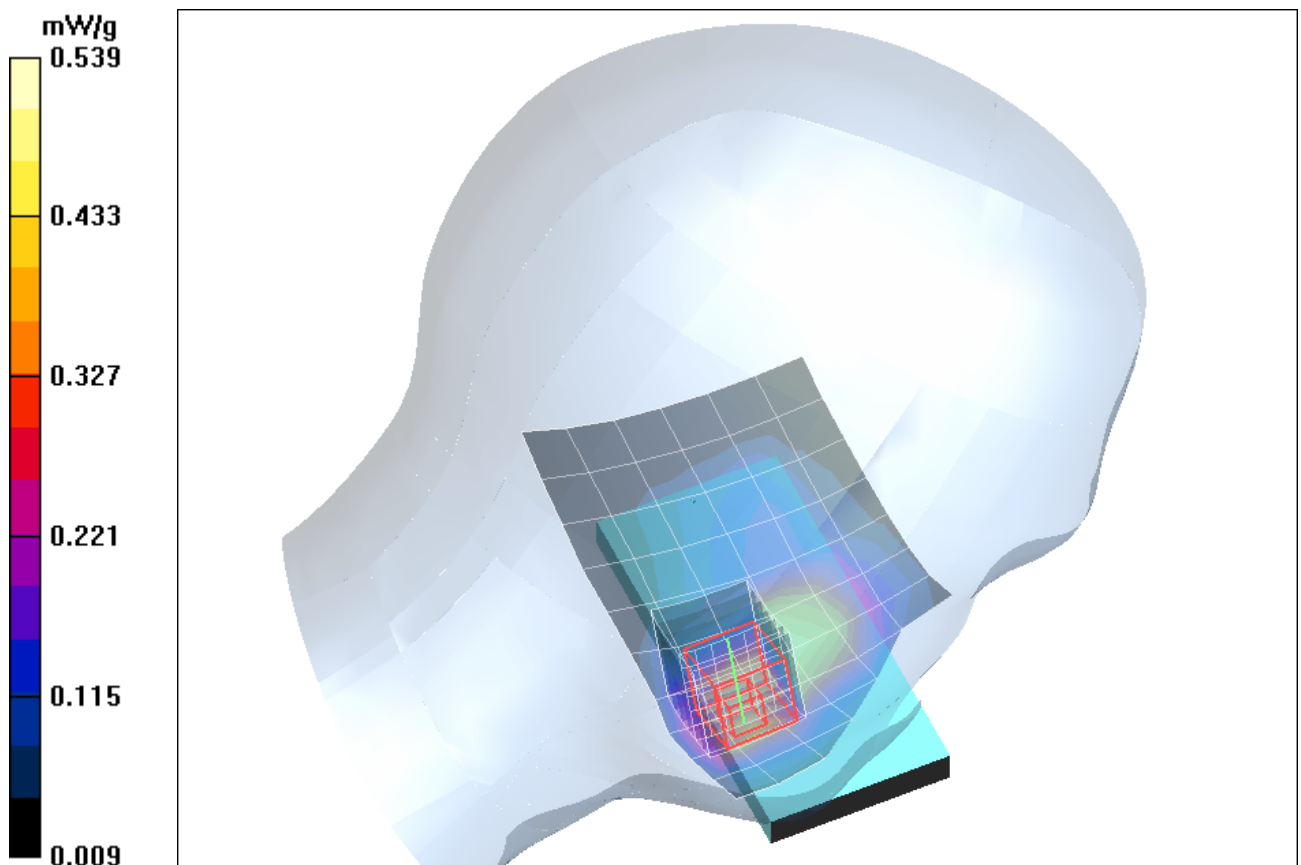


Fig. 1: SAR distribution for PCS 1900, channel 661, cheek position, left side of head (November 11, 2011; Ambient Temperature: 22.1° C; Liquid Temperature: 21.7° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [F42_yplm_2.da4](#)

DUT: Kyocera; **Type:** F42; **Serial:** 004401564900005

Program Name: PCS 1900

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

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

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

Maximum value of SAR (measured) = 0.341 mW/g

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

Reference Value = 12.5 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.587 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 0.374 mW/g

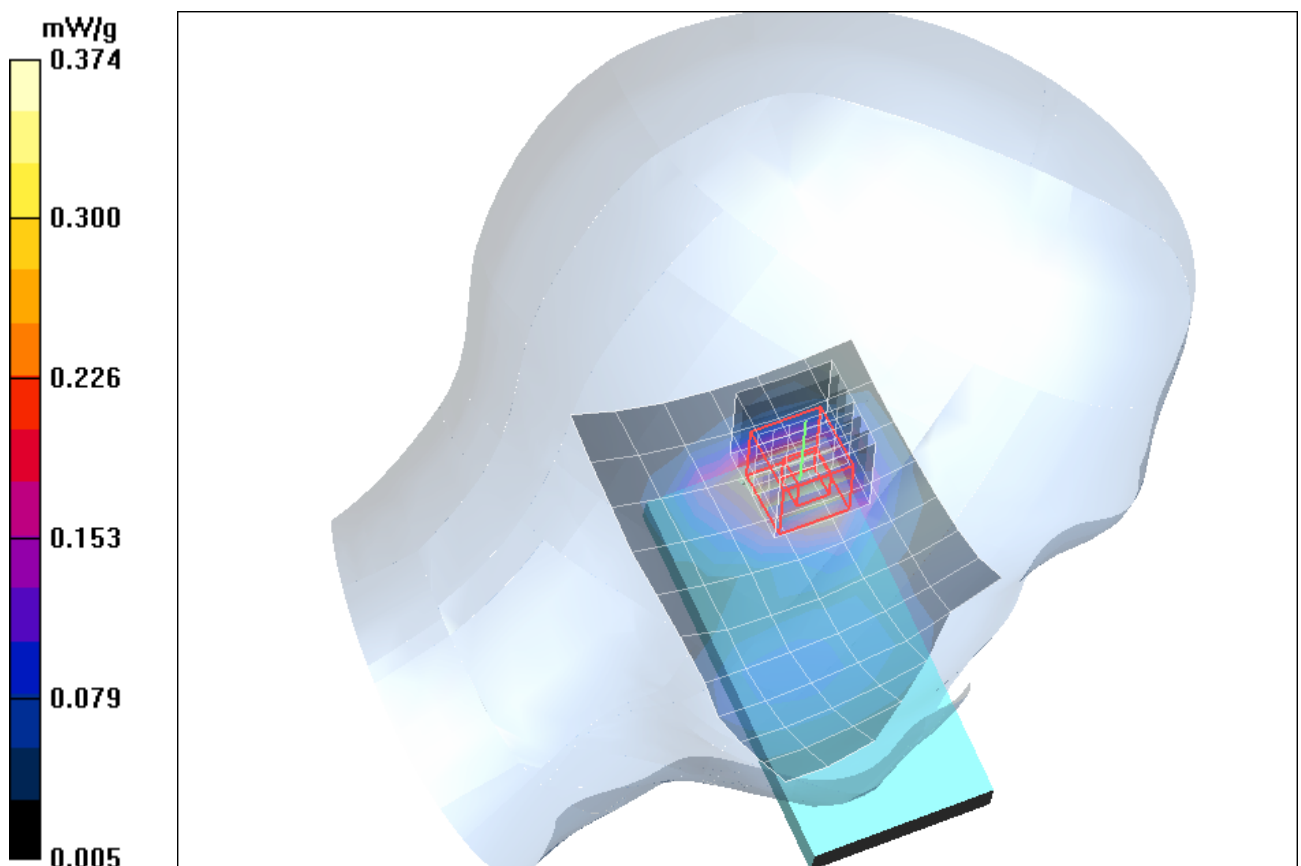


Fig. 2: SAR distribution for PCS 1900, channel 661, tilted position, left side of head (November 11, 2011; Ambient Temperature: 22.1° C; Liquid Temperature: 21.7° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [F42_yprm_1.da4](#)

DUT: Kyocera; **Type:** F42; **Serial:** 004401564900005

Program Name: PCS 1900

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

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

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

Maximum value of SAR (measured) = 0.738 mW/g

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

Reference Value = 8.75 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 1.21 W/kg

SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.463 mW/g

Maximum value of SAR (measured) = 0.855 mW/g

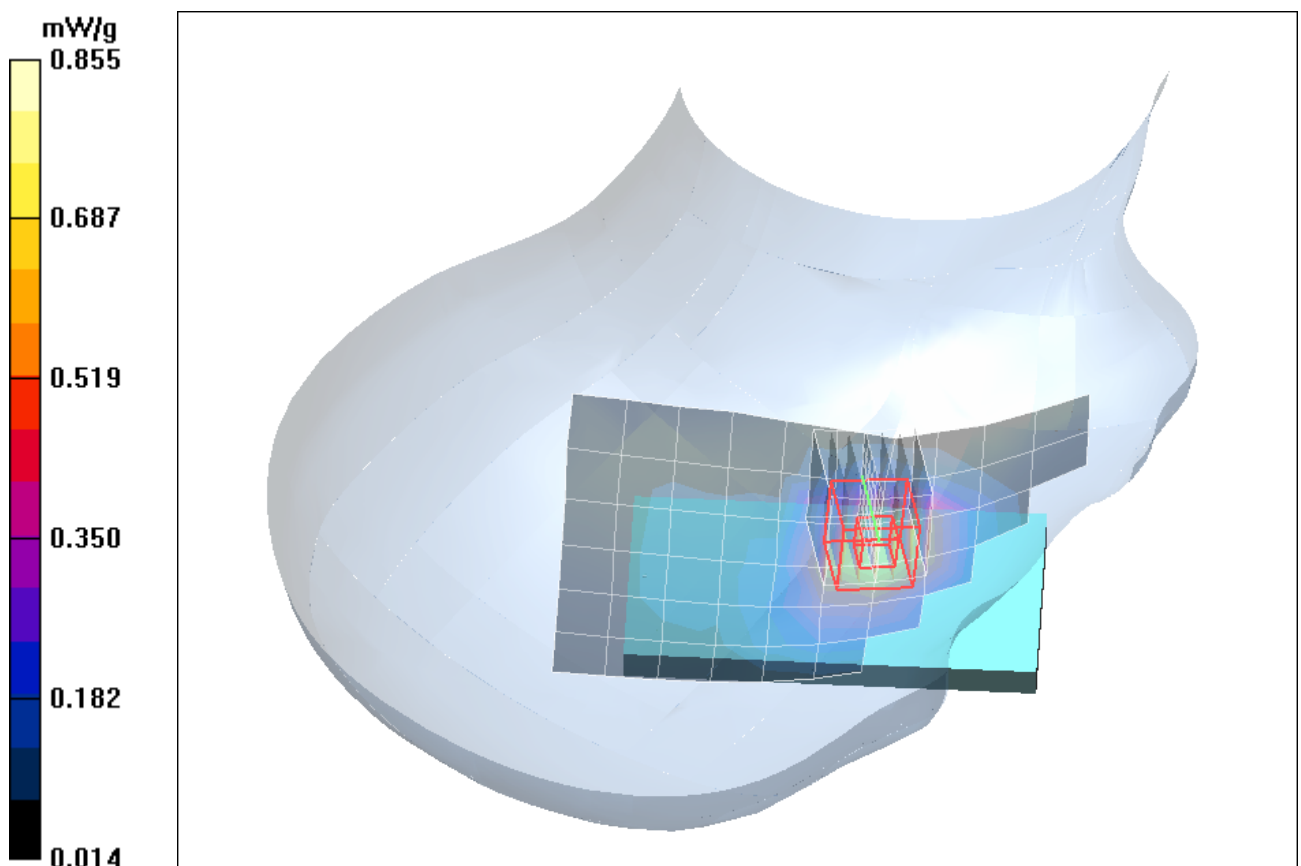


Fig. 3: SAR distribution for PCS 1900, channel 661, cheek position, right side of head (November 11, 2011; Ambient Temperature: 22.1° C; Liquid Temperature: 21.7° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [F42_yprm_2.da4](#)

DUT: Kyocera; **Type:** F42; **Serial:** 004401564900005

Program Name: PCS 1900

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 40.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

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

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

Maximum value of SAR (measured) = 0.265 mW/g

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

Reference Value = 13.7 V/m; Power Drift = -0.029 dB

Peak SAR (extrapolated) = 0.390 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.272 mW/g

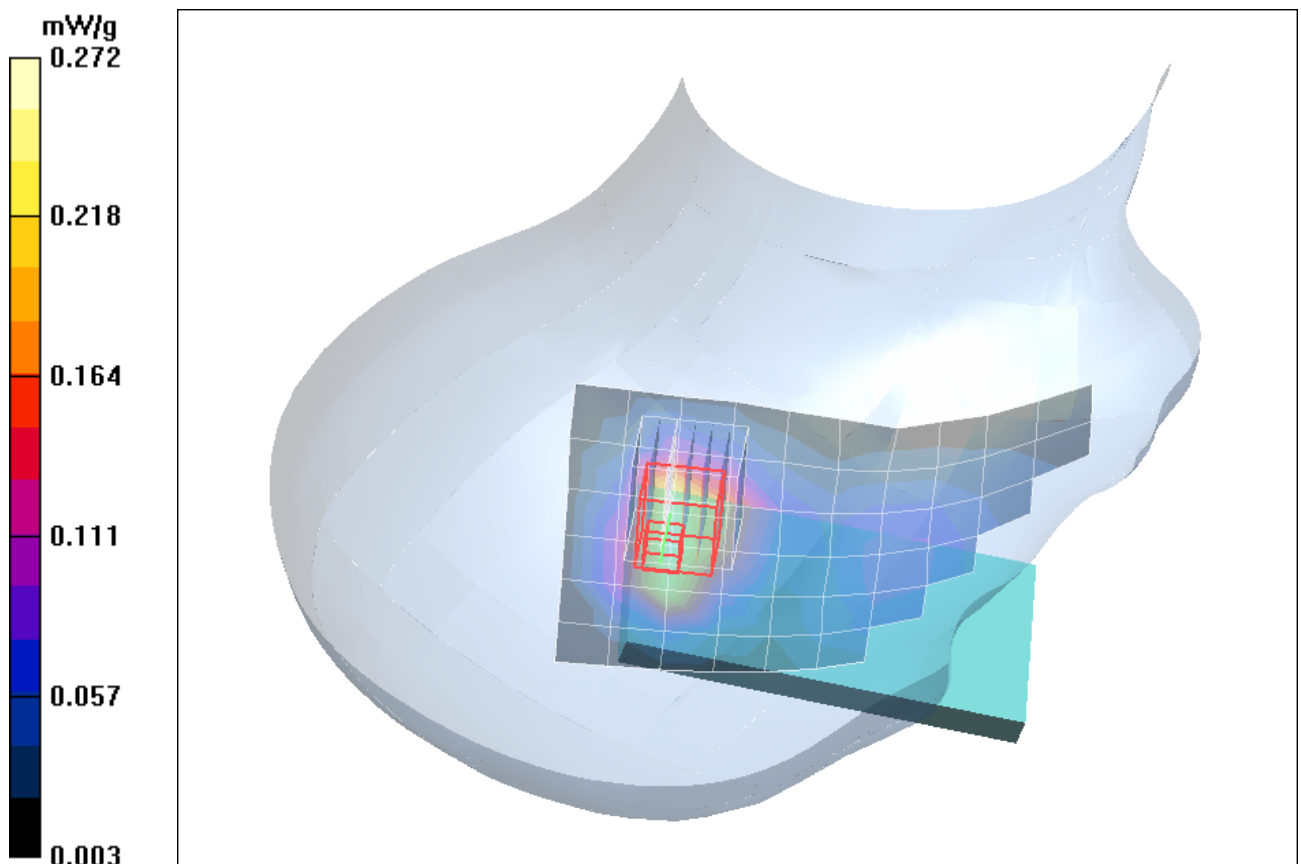


Fig. 4: SAR distribution for PCS 1900, channel 661, tilted position, right side of head (November 11, 2011; Ambient Temperature: 22.1° C; Liquid Temperature: 21.7° C).

2 SAR Distribution Plots, PCS/GPRS 1900, Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_yphm_1_dspl_up_gprs_15mm.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: GPRS 1900

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.66

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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 (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 6.22 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.448 W/kg

SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.294 mW/g

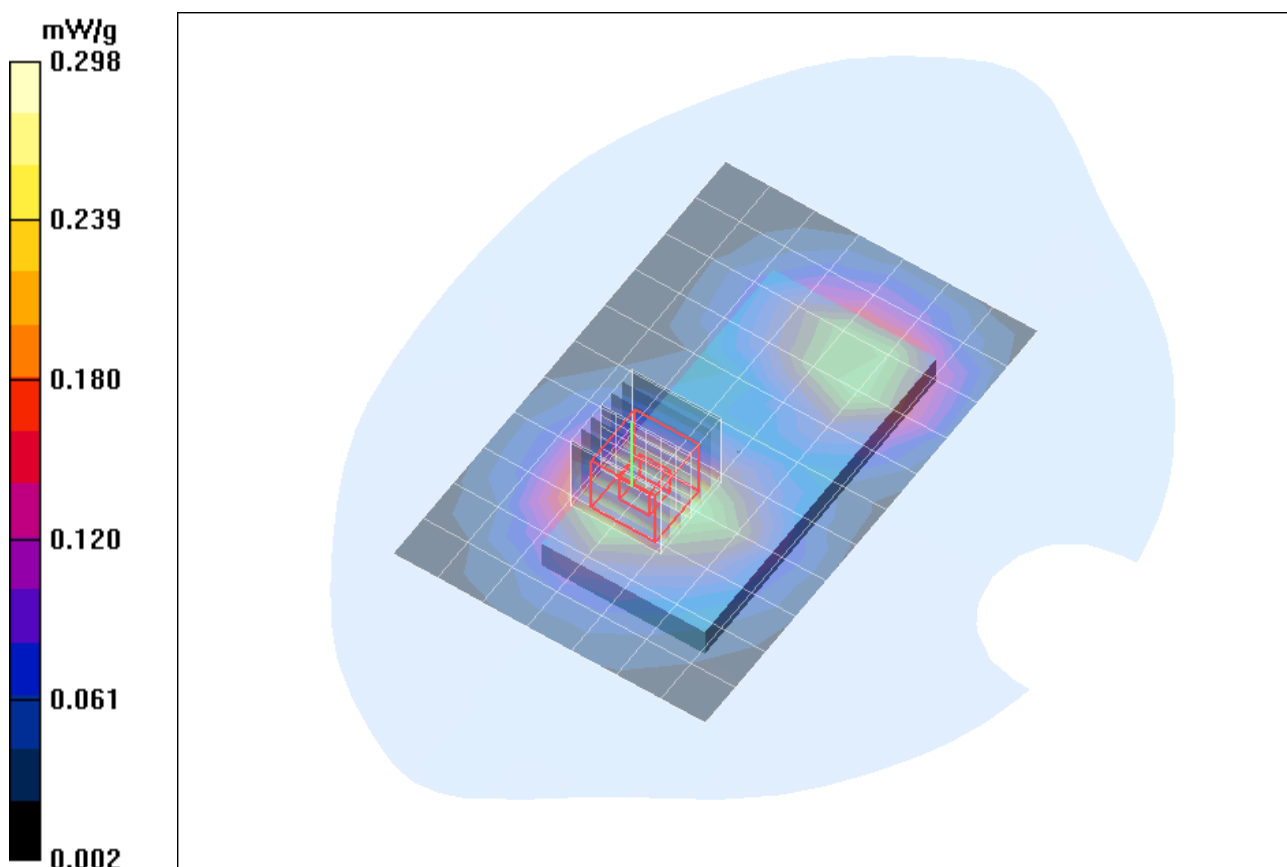


Fig. 5: SAR distribution for GPRS 1900 (Class 11), channel 661, body worn configuration without accessory, display towards the phantom, 15 mm distance (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:**

[F42_yphm_2_dspl_down_gprs_15mm.da4](#)

DUT: Kyocera; **Type:** F42; **Serial:** 004401564900005

Program Name: GPRS 1900

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.66

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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 (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.318 mW/g

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

Reference Value = 5.67 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.174 mW/g

Maximum value of SAR (measured) = 0.322 mW/g

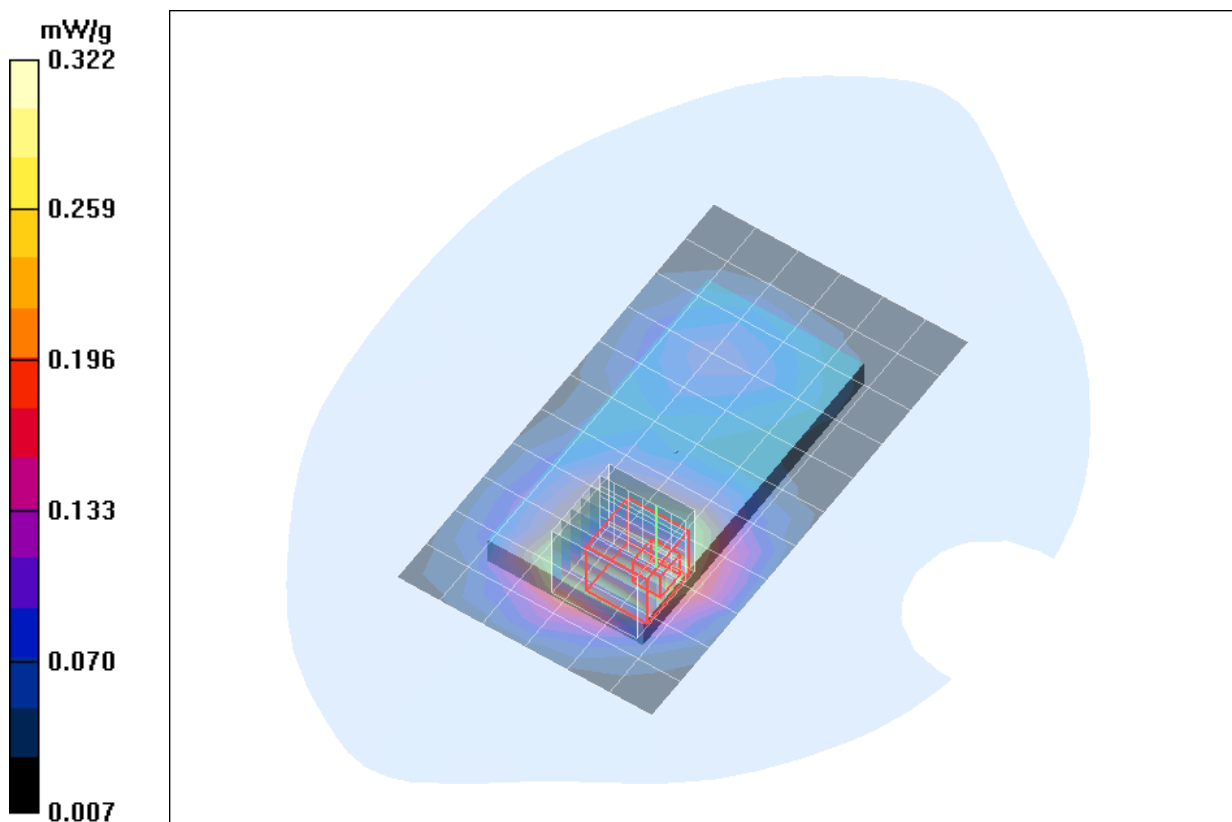


Fig. 6: SAR distribution for GPRS 1900 (Class 11), channel 661, body worn configuration without accessory, display towards the ground, 15 mm distance (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_yphm_1_dspl_up_15mm_hs.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: PCS 1900

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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 (7x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.235 mW/g

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

Reference Value = 6.26 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.392 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.145 mW/g

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

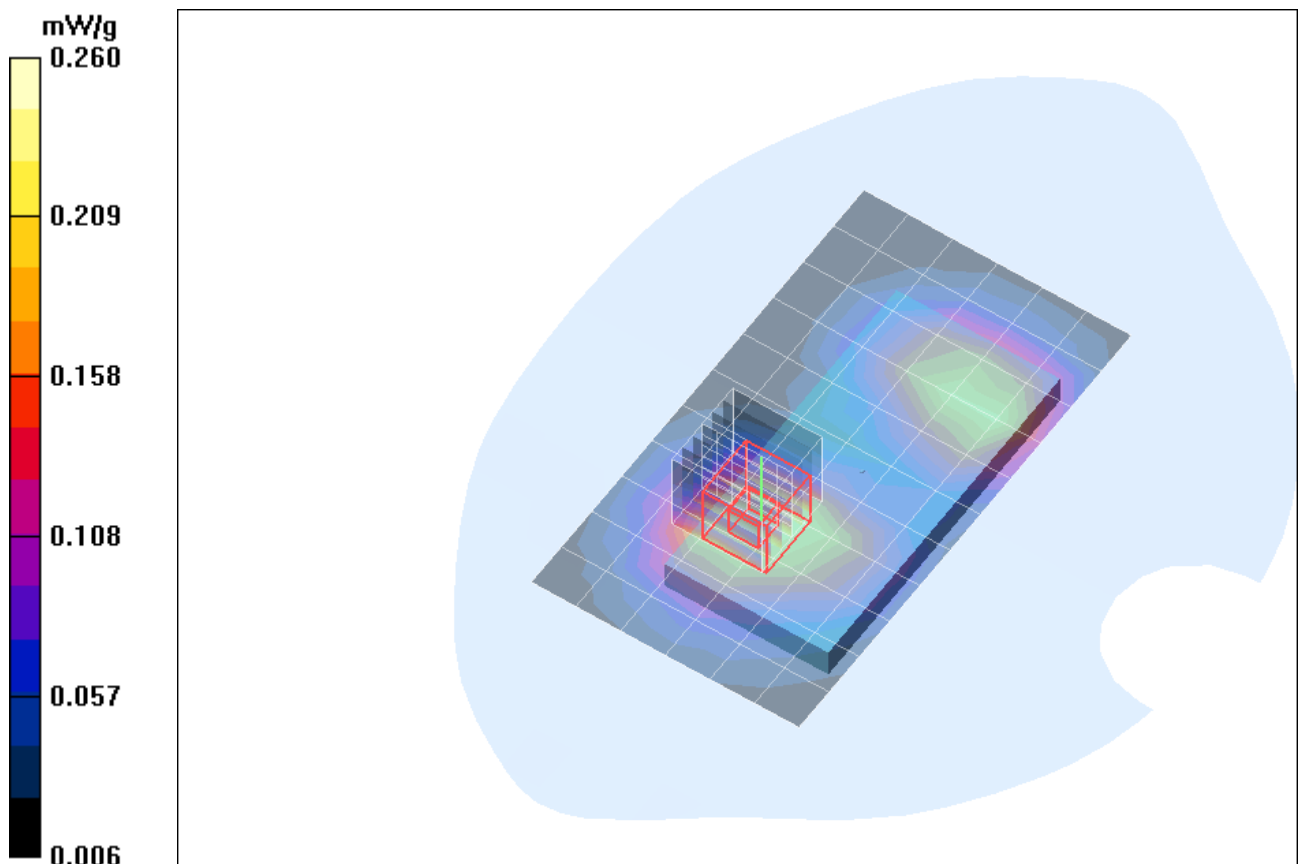


Fig. 7: SAR distribution for PCS 1900, channel 661, body worn configuration with attached headset, display towards the phantom, 15 mm distance (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_yphm 2_dspl_down 15mm_hs.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: PCS 1900

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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 (7x12x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 5.12 V/m; Power Drift = 0.166 dB

Peak SAR (extrapolated) = 0.413 W/kg

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.262 mW/g

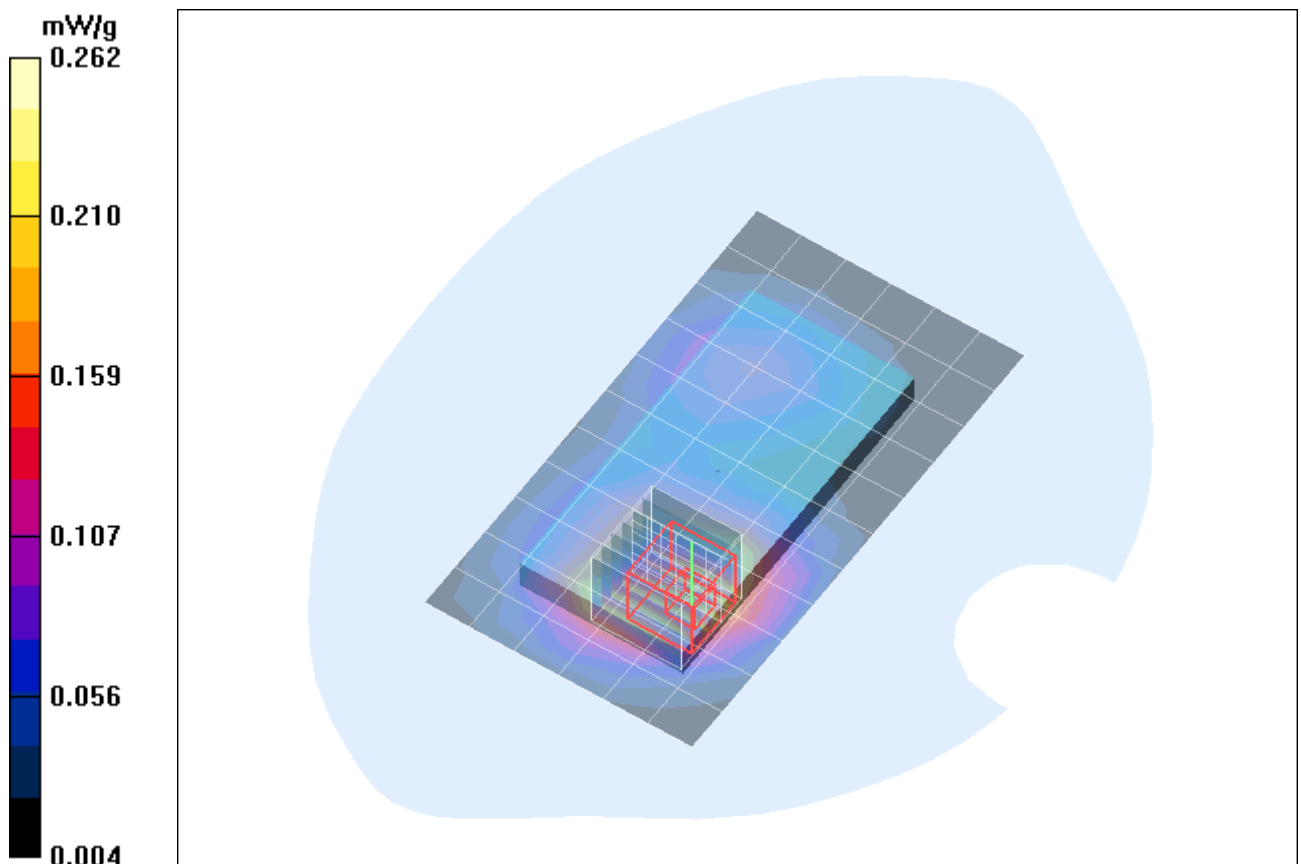


Fig. 8: SAR distribution for PCS 1900, channel 661, body worn configuration with attached headset, display towards the ground, 15 mm distance (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name:

[F42_yphm_2_dspl_down_gprs_10mm.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: GPRS 1900

Communication System: GPRS 1900; Frequency: 1880 MHz; Duty Cycle: 1:2.66

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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 (7x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.578 mW/g

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

Reference Value = 7.70 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.308 mW/g

Maximum value of SAR (measured) = 0.598 mW/g

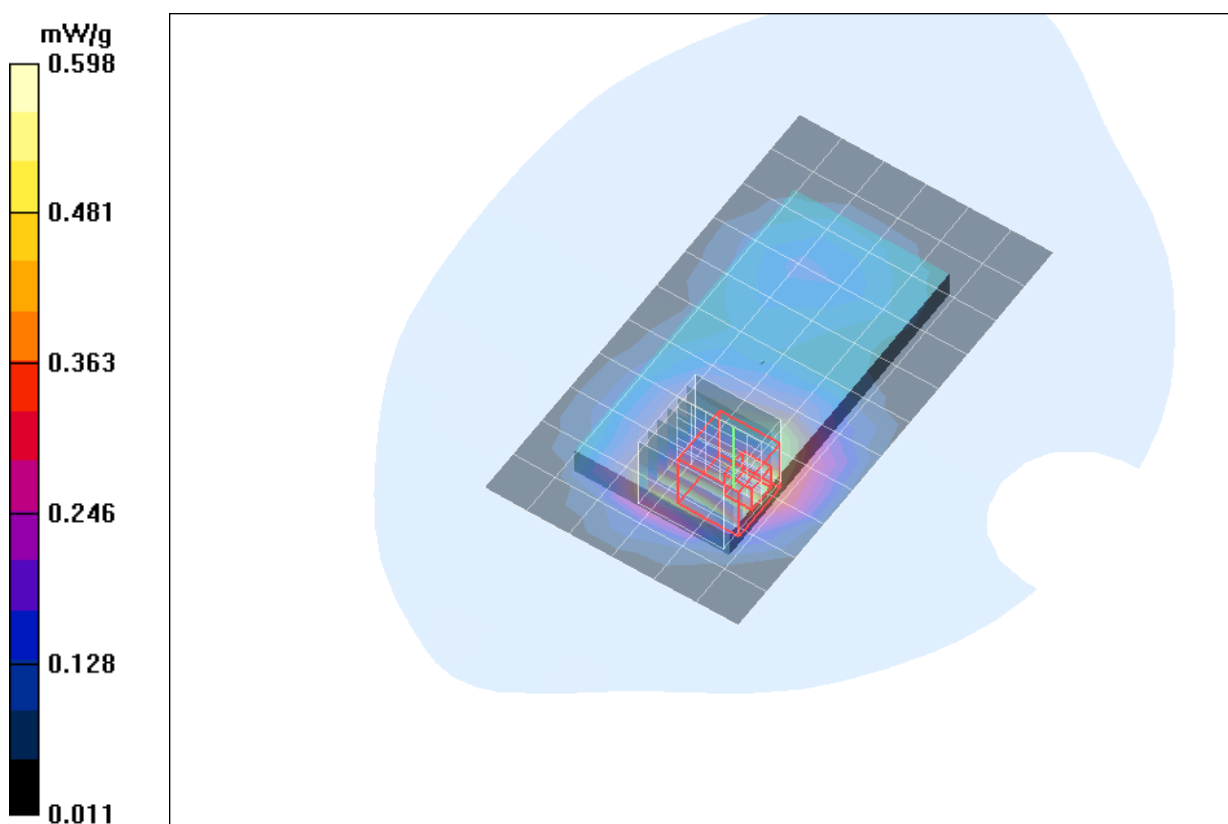


Fig. 9: SAR distribution for GPRS 1900 (Class 11), channel 661, body worn configuration, display towards the ground, 10 mm distance (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

3 SAR Distribution Plots, IEEE 802.11 b, Body

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_ywhm_1_dspl_up_15mm_b.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: IEEE 802.11 b

Communication System: 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.42, 7.42, 7.42); Calibrated: 26.09.2011
- Sensor-Surface: 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 (8x12x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (measured) = 0.015 mW/g

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

Reference Value = 2.01 V/m; Power Drift = 0.093 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00776 mW/g

Maximum value of SAR (measured) = 0.018 mW/g

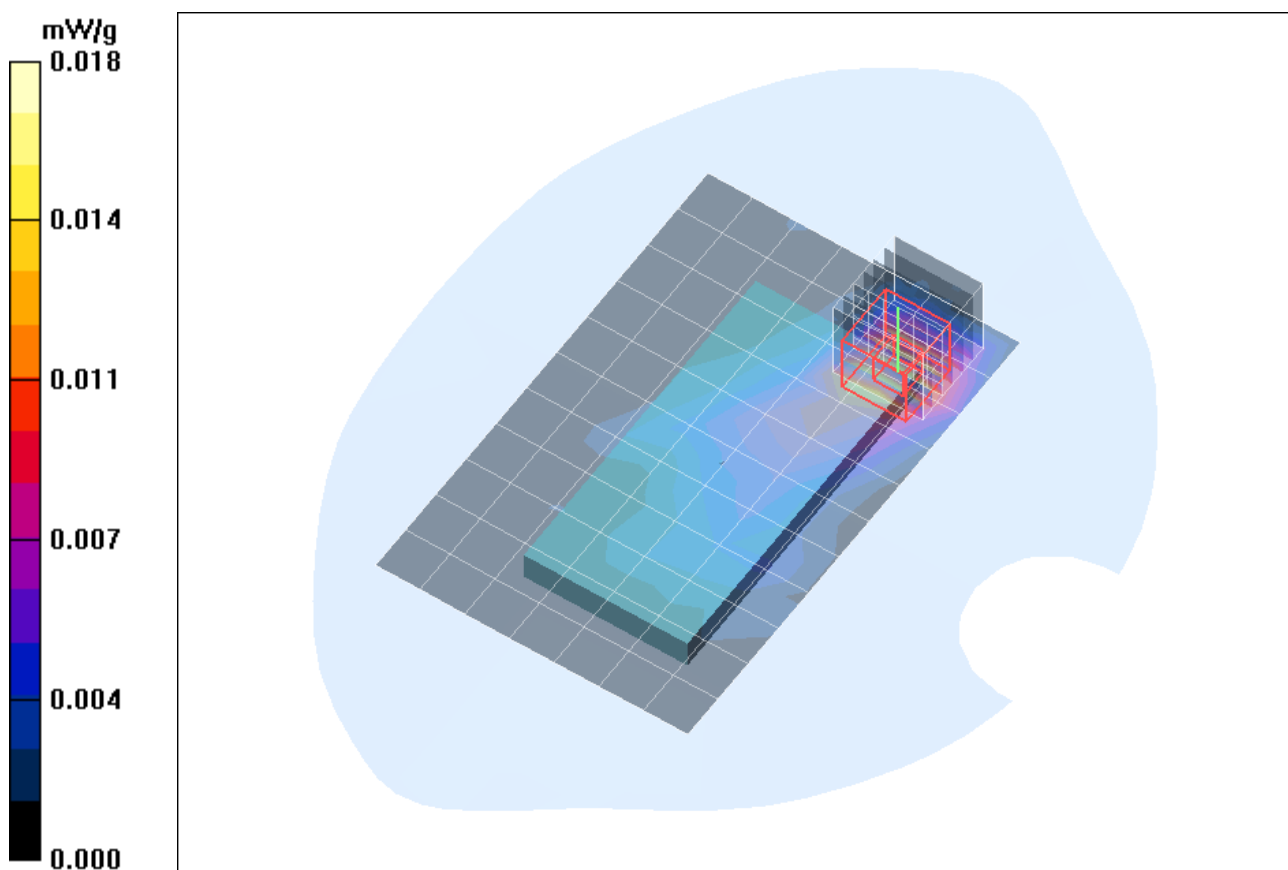


Fig. 10: SAR distribution for b-mode, channel 6, body worn configuration without accessory, display towards the phantom, 15 mm distance (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_ywhh 2 dspl down 15mm b.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401564900005

Program Name: IEEE 802.11 b

Communication System: 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.42, 7.42, 7.42); Calibrated: 26.09.2011
- Sensor-Surface: 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.014 mW/g

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

Reference Value = 2.37 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.045 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00764 mW/g

Maximum value of SAR (measured) = 0.019 mW/g

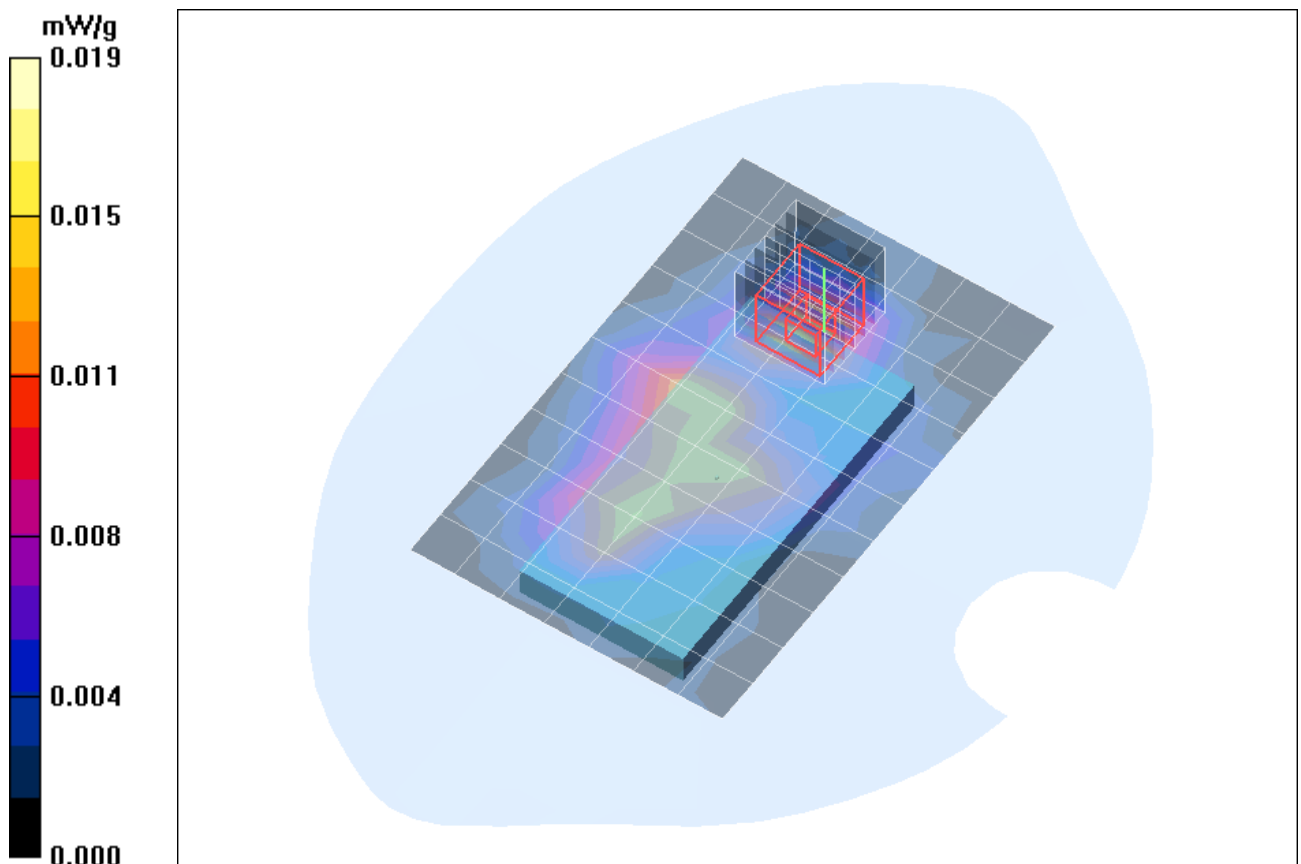


Fig. 11: SAR distribution for b-mode, channel 11, body worn configuration without accessory, display towards the ground, 15 mm distance (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); **File Name:** [F42_ywhm 1 dspl up 15mm g.da4](#)

DUT: Kyocera; **Type:** F42; **Serial:** 004401350042053

Program Name: IEEE 802.11 g

Communication System: 2.4 GHz; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437$ MHz; $\sigma = 1.96$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.42, 7.42, 7.42); Calibrated: 26.09.2011
- Sensor-Surface: 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.017 mW/g

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

Reference Value = 1.94 V/m; Power Drift = 0.146 dB

Peak SAR (extrapolated) = 0.042 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00718 mW/g

Maximum value of SAR (measured) = 0.018 mW/g

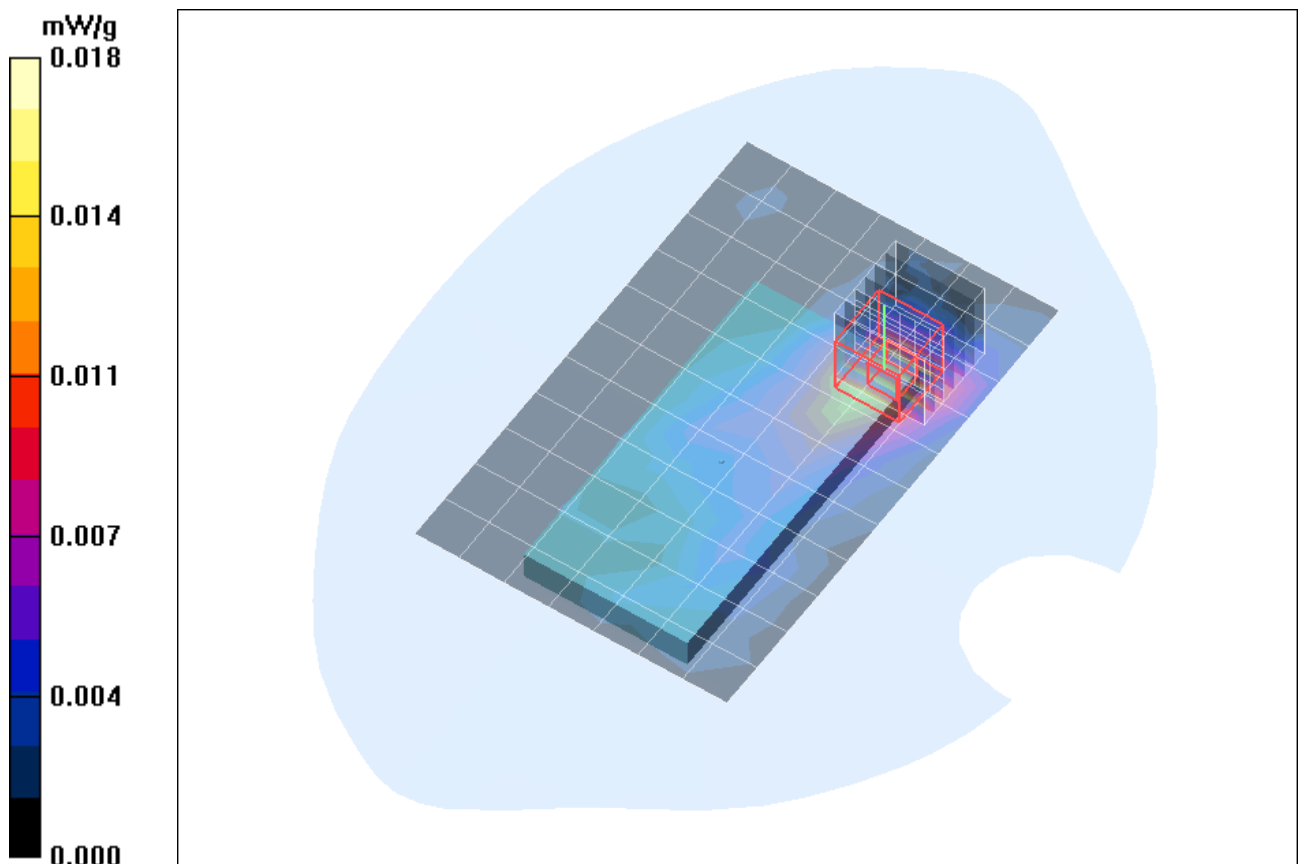


Fig. 12: SAR distribution for g-mode, channel 6, body worn configuration without accessory, display towards the phantom, 15 mm distance (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_ywhh_2_dspl_down_15mm_g.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401350042053

Program Name: IEEE 802.11 g

Communication System: 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.42, 7.42, 7.42); Calibrated: 26.09.2011
- Sensor-Surface: 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.017 mW/g

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

Reference Value = 2.46 V/m; Power Drift = 0.064 dB

Peak SAR (extrapolated) = 0.039 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00833 mW/g

Maximum value of SAR (measured) = 0.020 mW/g

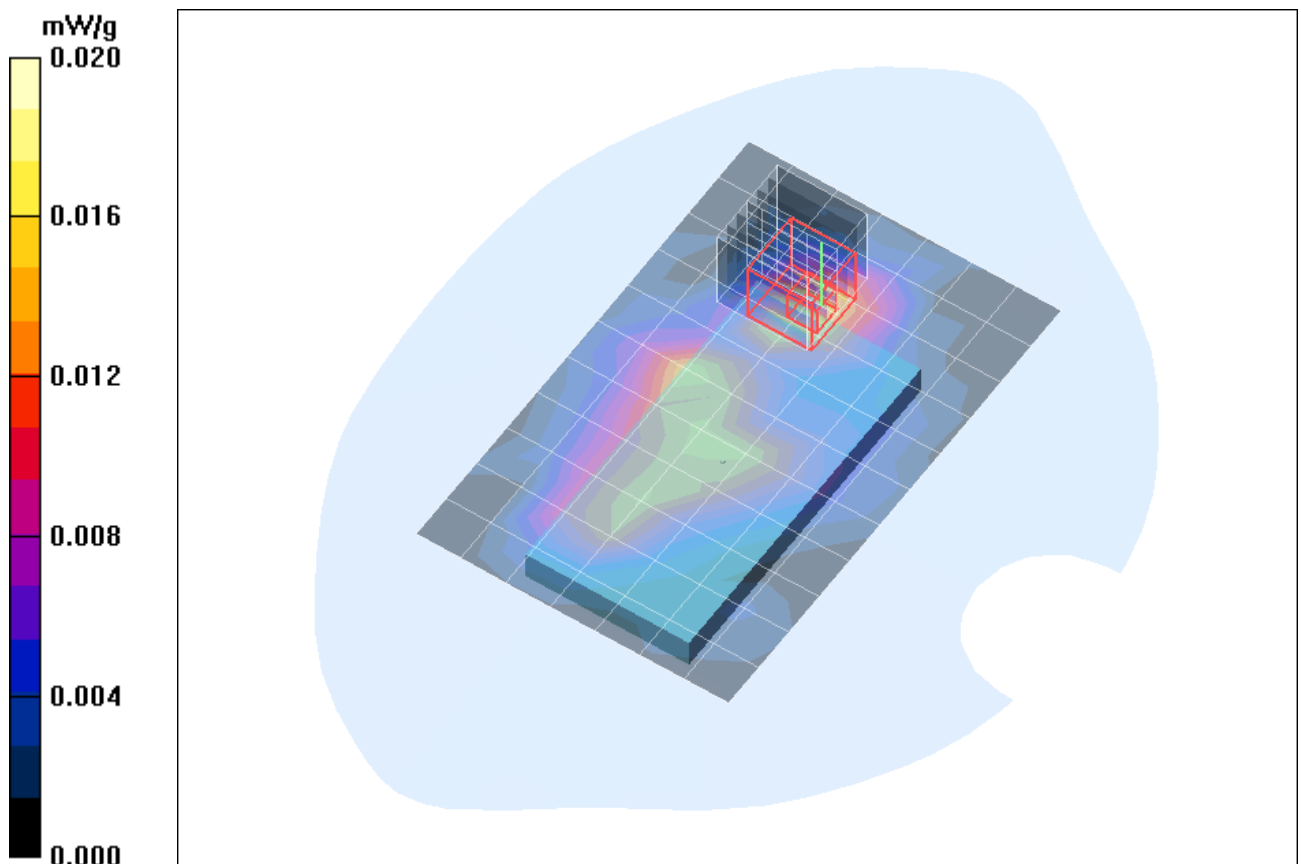


Fig. 13: SAR distribution for g-mode, channel 11, body worn configuration without accessory, display towards the ground, 15 mm distance (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [F42_ywhh_2_dspl_down_15mm_n.da4](#)

DUT: Kyocera; Type: F42; Serial: 004401350042053

Program Name: IEEE 802.11 n

Communication System: 2.4 GHz; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2462$ MHz; $\sigma = 2$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3536; ConvF(7.42, 7.42, 7.42); Calibrated: 26.09.2011
- Sensor-Surface: 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 (8x12x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.018 mW/g

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

Reference Value = 2.38 V/m; Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.035 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00755 mW/g

Maximum value of SAR (measured) = 0.017 mW/g

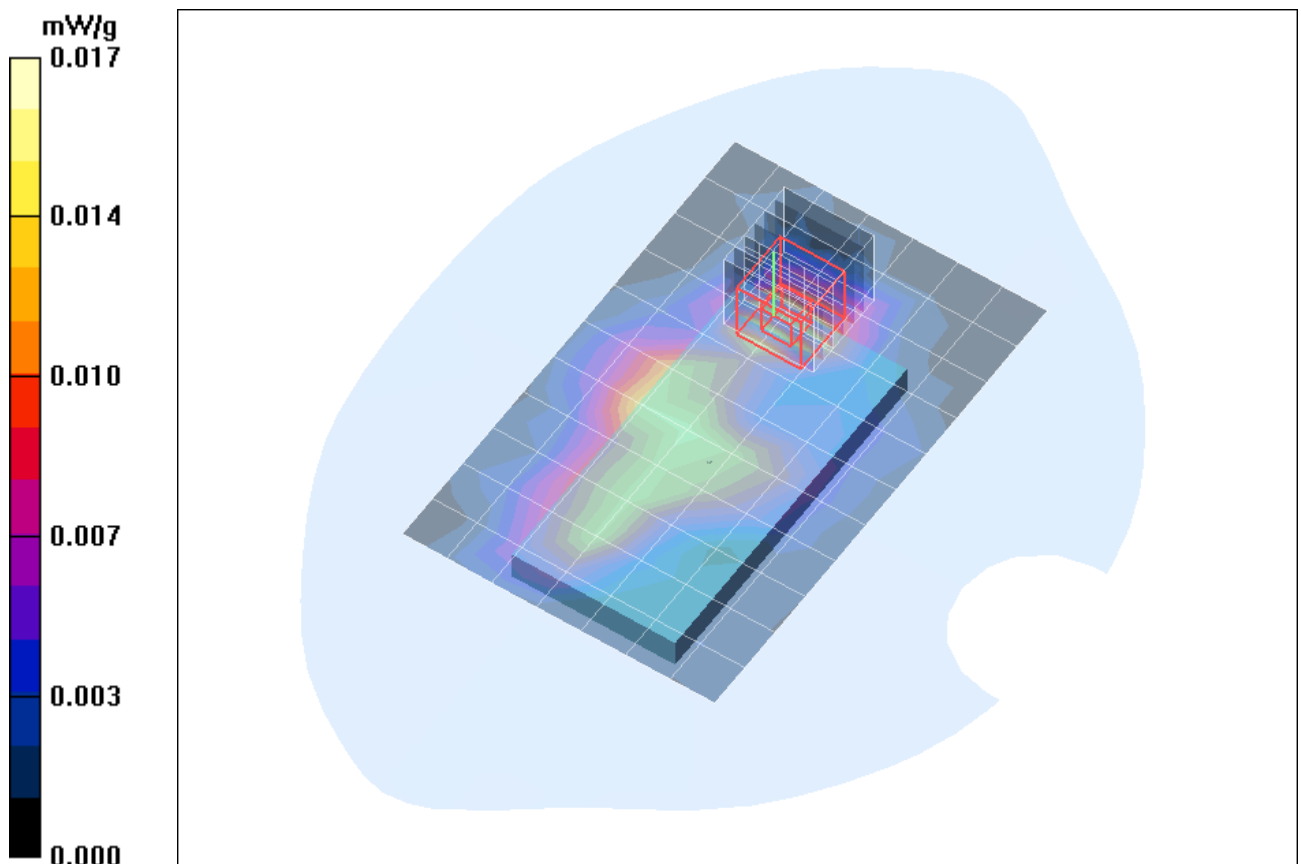


Fig. 14: SAR distribution for n-mode, channel 11, body worn configuration without accessory, display towards the ground, 15 mm distance (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).

4 SAR Z-axis Scans (Validation)

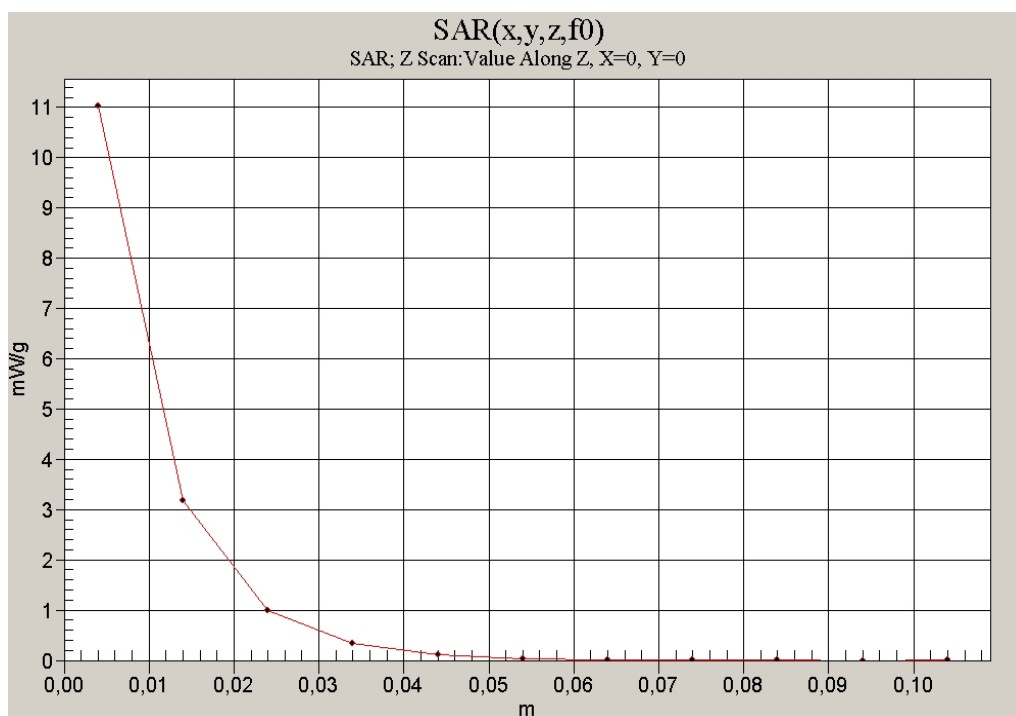


Fig. 15: SAR versus liquid depth, 1900 MHz, head (PCS 1900) (November 11, 2011; Ambient Temperature: 22.3° C; Liquid Temperature: 21.8° C).

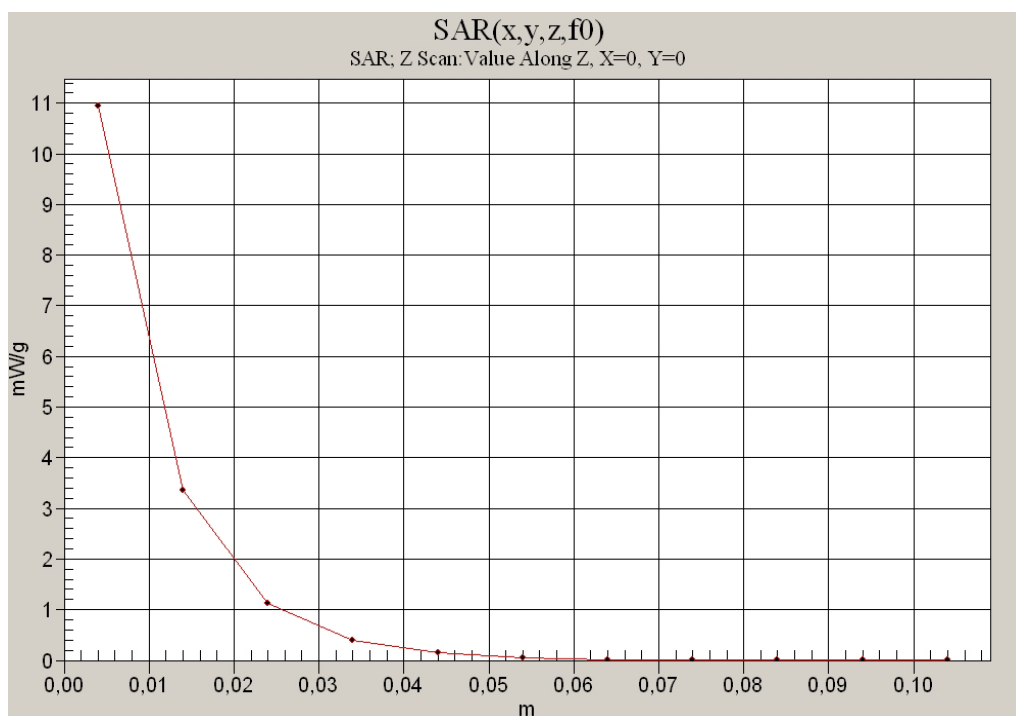


Fig. 16: SAR versus liquid depth, 1900 MHz, body (GPRS 1900) (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

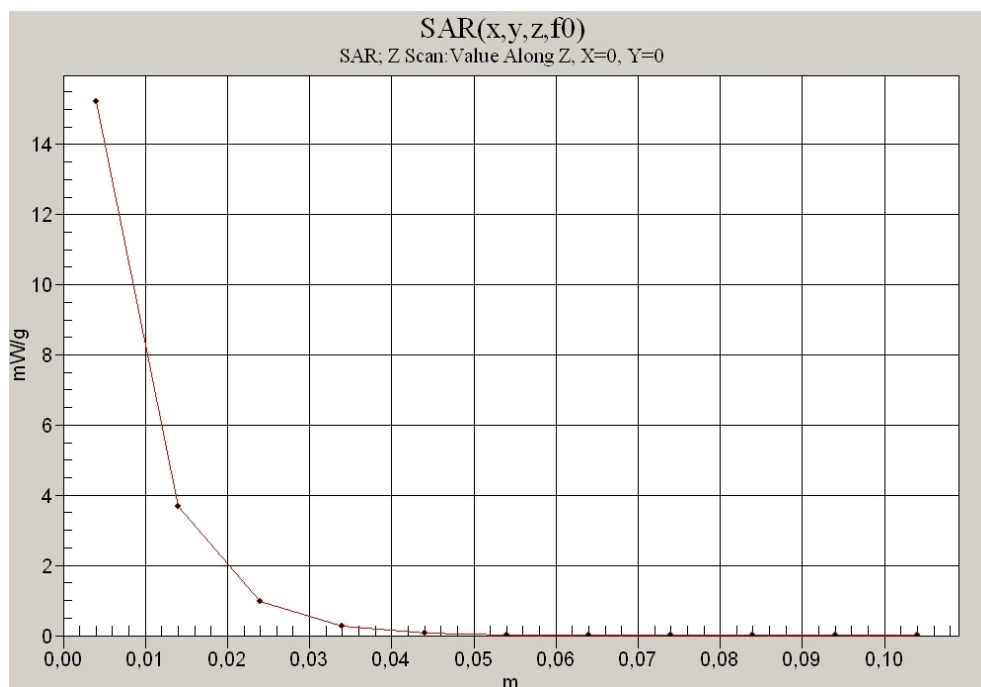


Fig. 17: SAR versus liquid depth, 2450 MHz, body (IEEE 802.11) (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).

5 SAR Z-axis Scans (Measurements)

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

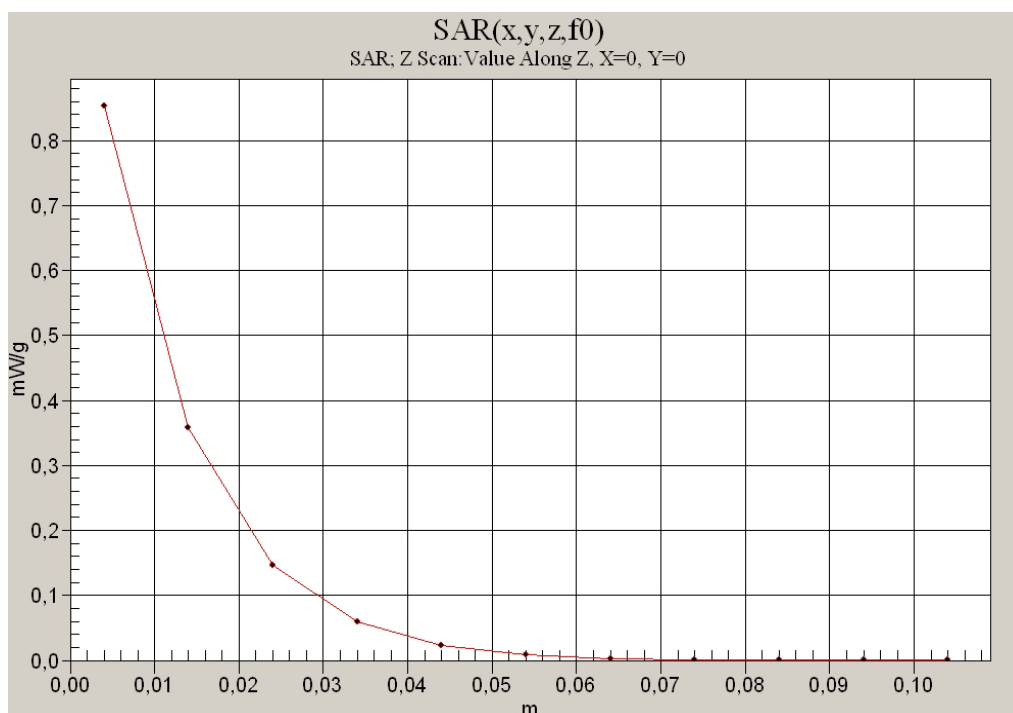


Fig. 18: SAR versus liquid depth, head: PCS 1900, channel 661, cheek position, right side of head (November 11, 2011; Ambient Temperature: 22.1° C; Liquid Temperature: 21.7° C).

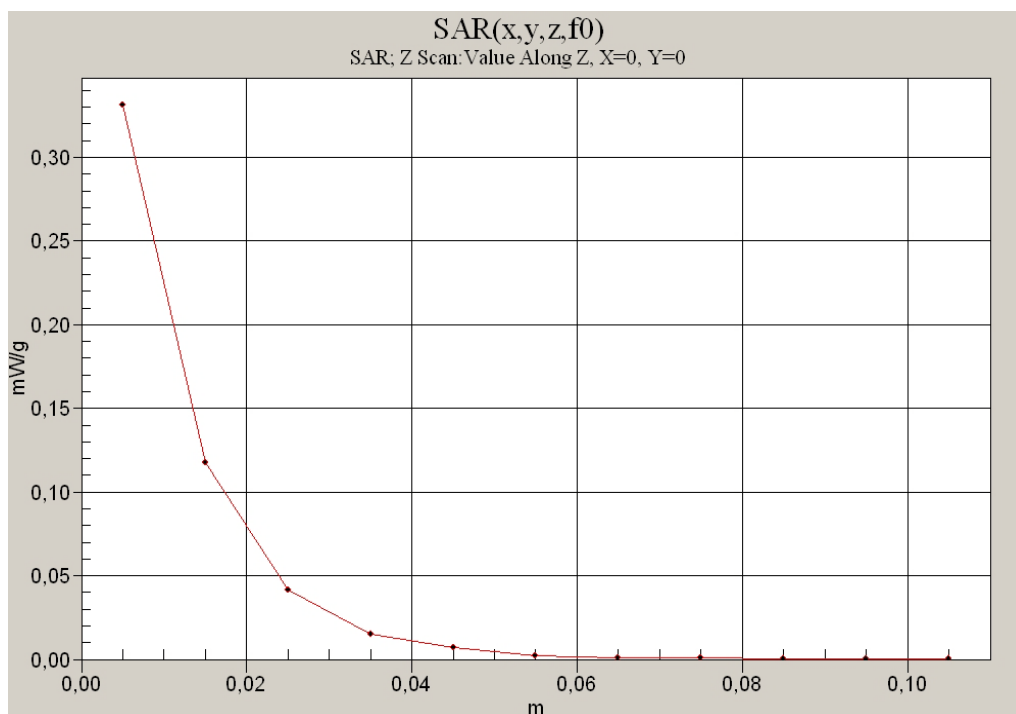


Fig. 19: SAR versus liquid depth, body: GPRS 1900 (Class 11), channel 661, display towards the ground (November 11, 2011; Ambient Temperature: 21.8° C; Liquid Temperature: 21.6° C).

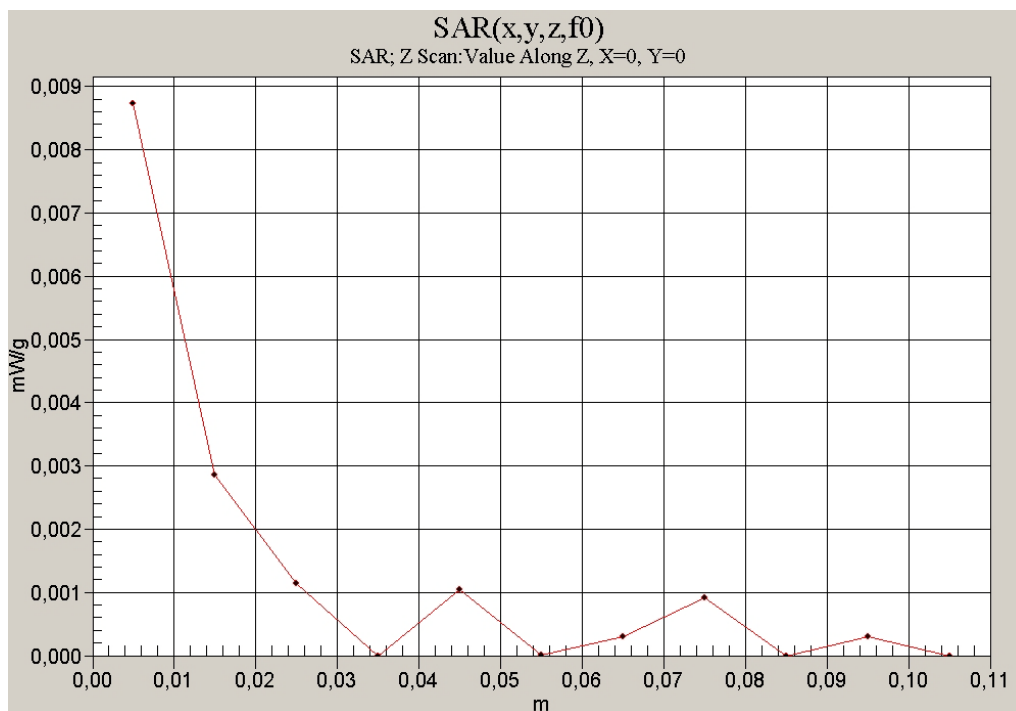


Fig. 20: SAR versus liquid depth, body: 802.11 g, channel 11, display towards the ground (November 14, 2011; Ambient Temperature: 22.0° C; Liquid Temperature: 21.6° C).