

# **Appendix for the Report**

## **Dosimetric Assessment of the Inari8-3GAN-1 Tablet PC from Aava Mobile Oy (FCC ID: 2ABVH-INARI81) (IC: 11875A-INARI81)**

### **According to the FCC Requirements SAR Distribution Plots**

April 11, 2014

**IMST GmbH**  
Carl-Friedrich-Gauß-Str. 2 - 4  
D-47475 Kamp-Lintfort

**Customer**  
7layers AG  
Borsigstrasse 11  
D-40880 Ratingen

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.

## 1 SAR Distribution Plots

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Inari\\_118\\_bahh\\_back\\_3TX\\_rp.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: GPRS850 3TX

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

Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 55.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.25, 6.25, 6.25); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (7x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.387 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 = 0.046 dB

Peak SAR (extrapolated) = 1.40 W/kg

**SAR(1 g) = 0.541 mW/g; SAR(10 g) = 0.272 mW/g**

Maximum value of SAR (measured) = 0.609 mW/g

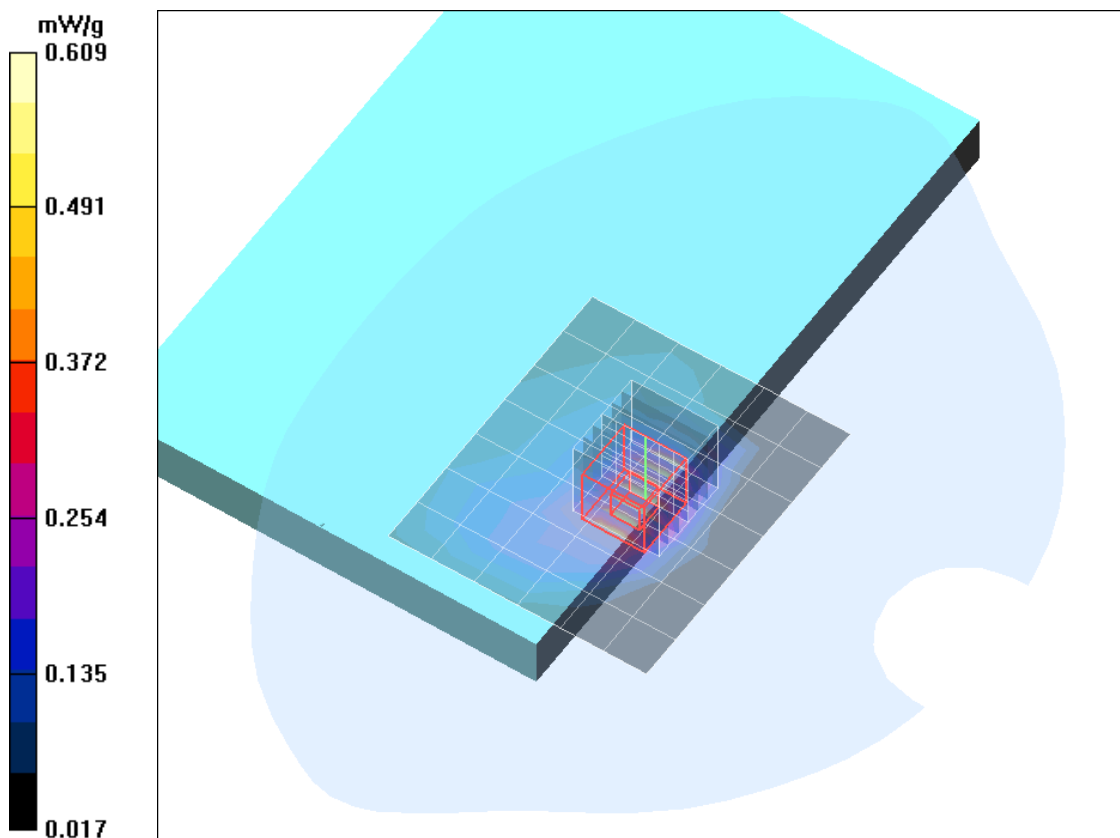


Fig. 1: SAR distribution for GPRS 850 (3TX), channel 251, back side, 0 mm (March 20, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari\\_118\\_bphm\\_back\\_3TX\\_rp.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: GPRS1900 3TX

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.49, 4.49, 4.49); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (7x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.545 mW/g

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

Reference Value = 8.52 V/m; Power Drift = 0.168 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.311 mW/g**

Maximum value of SAR (measured) = 0.666 mW/g

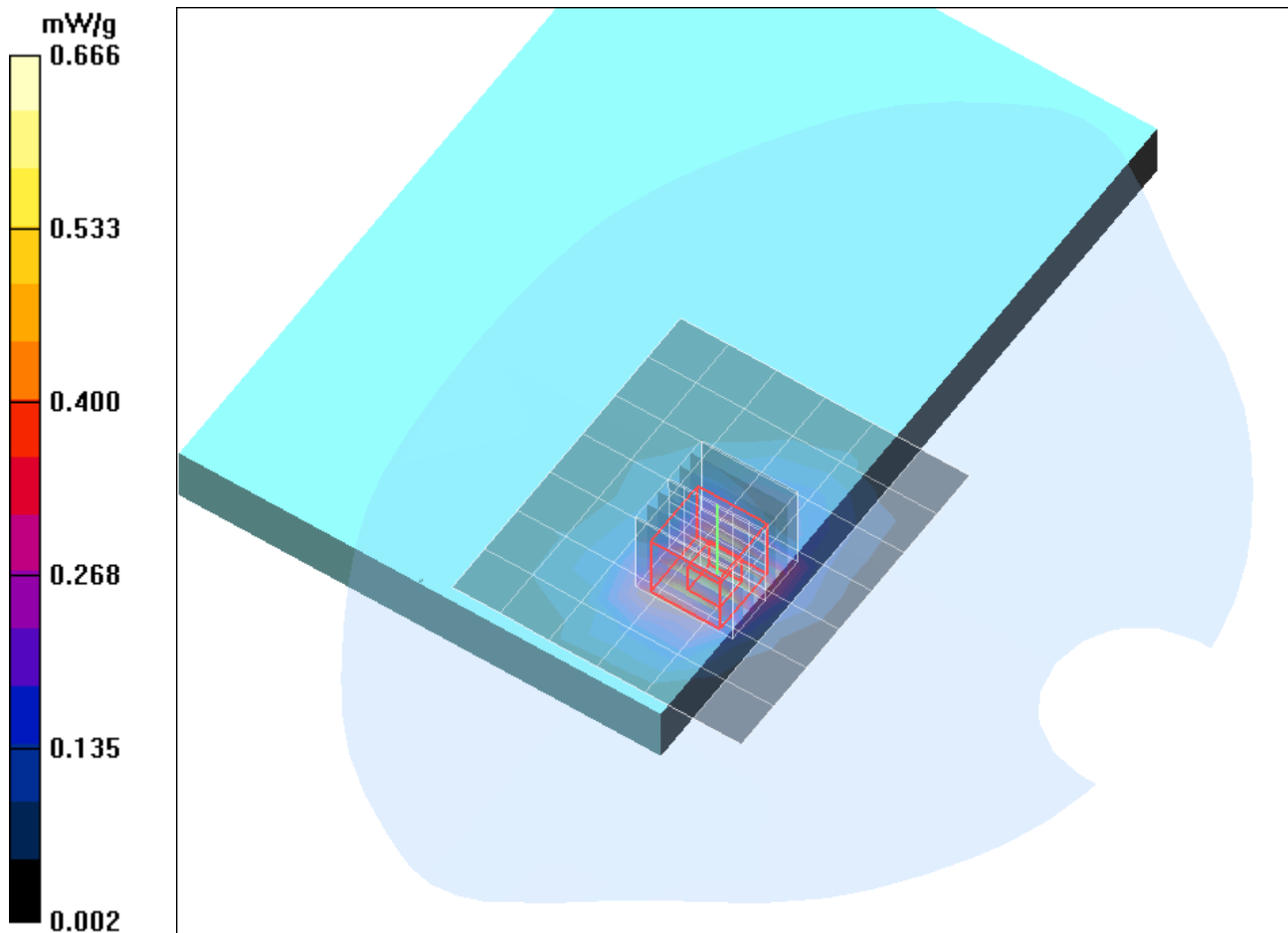


Fig. 2: SAR distribution for GPRS 1900 (3TX), channel 661, back side, 0 mm (March 26, 2014)

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Inari 118 bu5hl back rp.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: WCDMA 5

Communication System: WCDMA (FDD) Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 55.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.25, 6.25, 6.25); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (7x8x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.661 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 = 0.027 dB

Peak SAR (extrapolated) = 1.97 W/kg

**SAR(1 g) = 0.906 mW/g; SAR(10 g) = 0.467 mW/g**

Maximum value of SAR (measured) = 0.997 mW/g

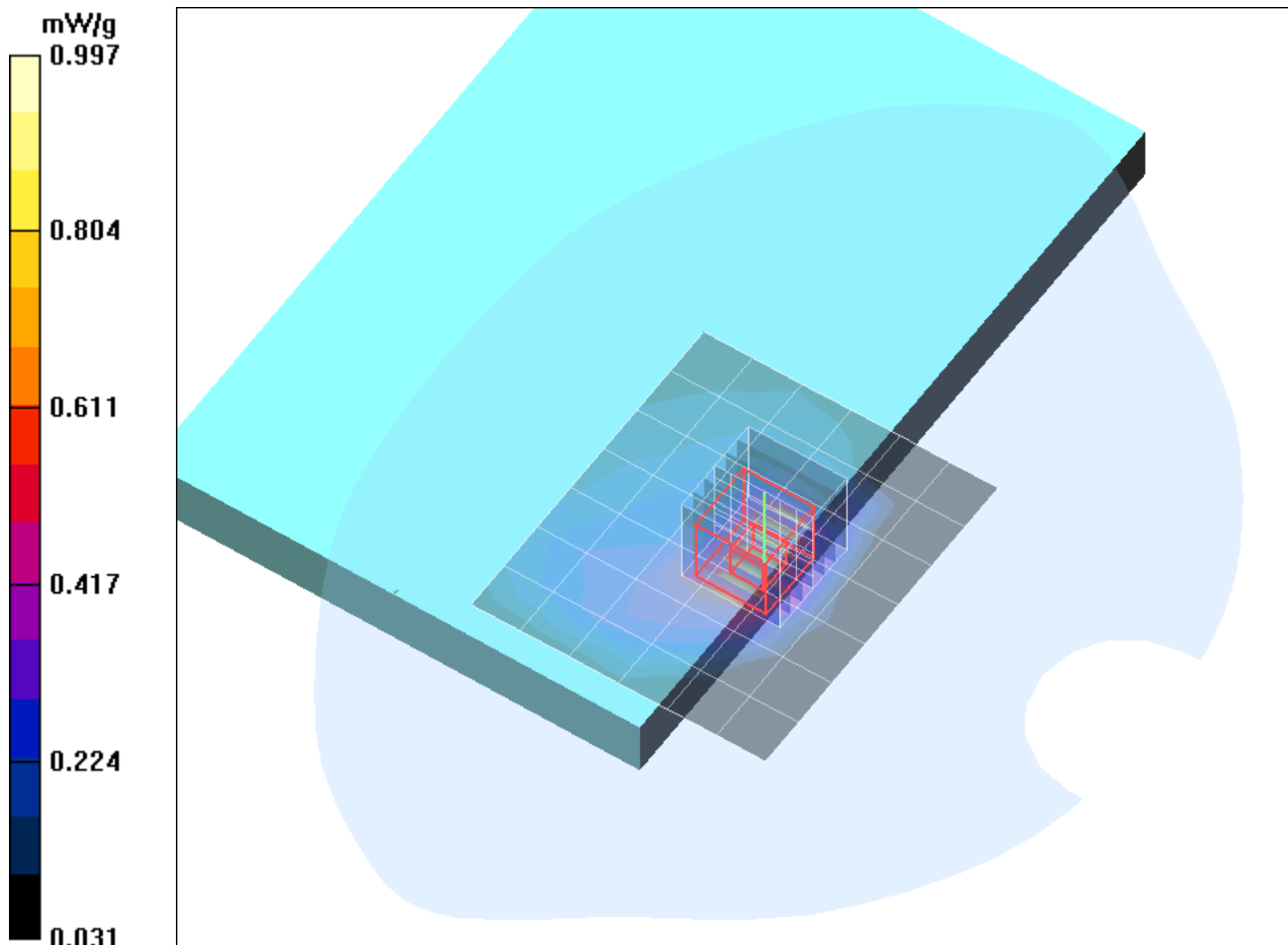


Fig. 3: SAR distribution for WCDMA 5 (FDD), channel 4132, back side, 0 mm (March 19, 2014)

Test Laboratory: IMST GmbH, DASY Blue (I); File Name: [Inari 118 bu5hl back rp variab.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: WCDMA 5

Communication System: WCDMA (FDD) Band V; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 826.4$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r = 55.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(6.25, 6.25, 6.25); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (7x8x1):** Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 32.4 V/m; Power Drift = 0.043 dB

Peak SAR (extrapolated) = 2.73 W/kg

**SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.432 mW/g**

Maximum value of SAR (measured) = 1.01 mW/g

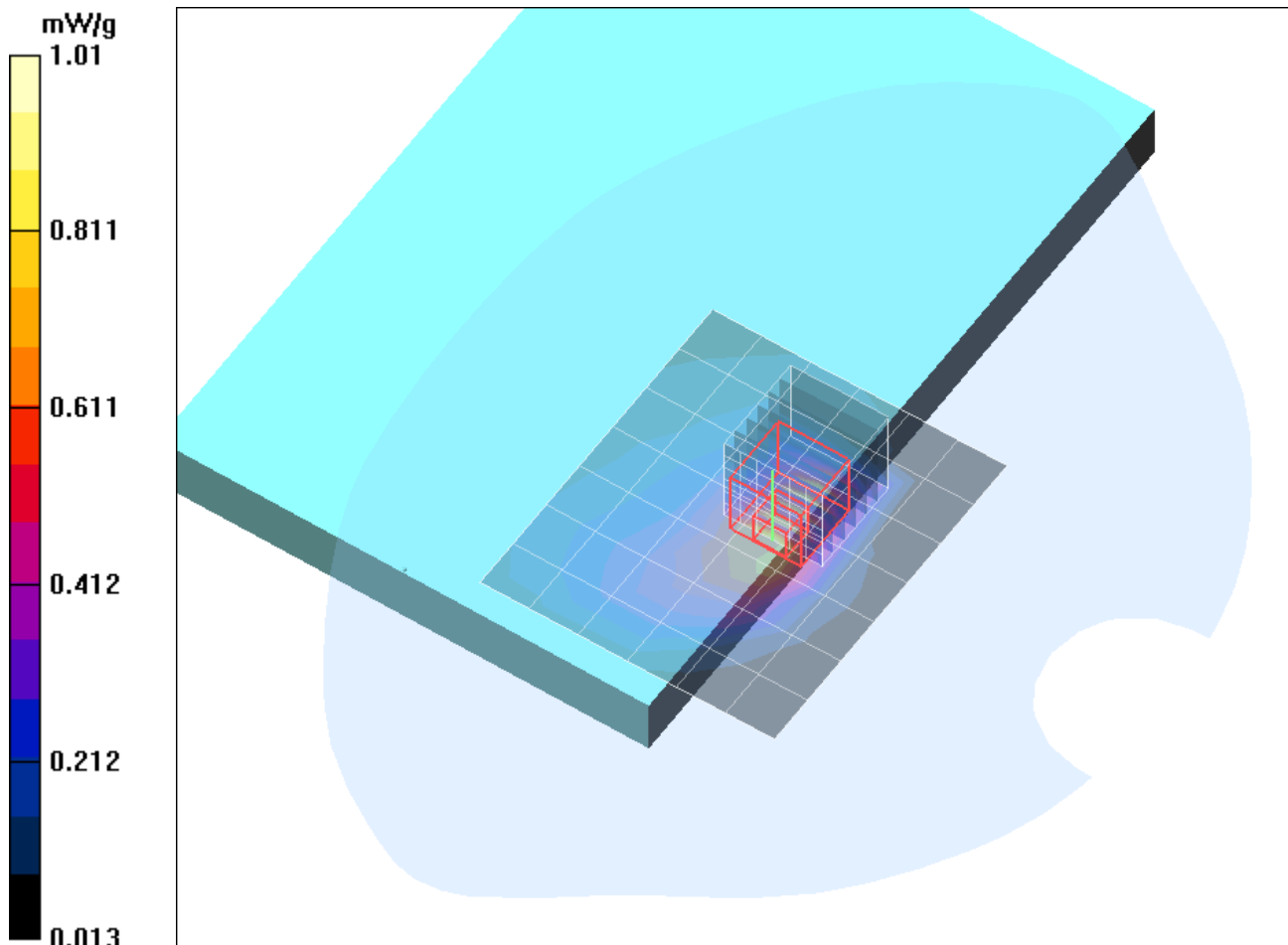


Fig. 4: Variability test for WCDMA 5 (FDD), channel 4132, back side, 0 mm (March 19, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari\\_118\\_yu4hh\\_back\\_rp.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: WCDMA4

Communication System: WCDMA (FDD) Band IV; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1752.6$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 52.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.75, 4.75, 4.75); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.852 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 = -0.034 dB

Peak SAR (extrapolated) = 1.95 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.513 mW/g**

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

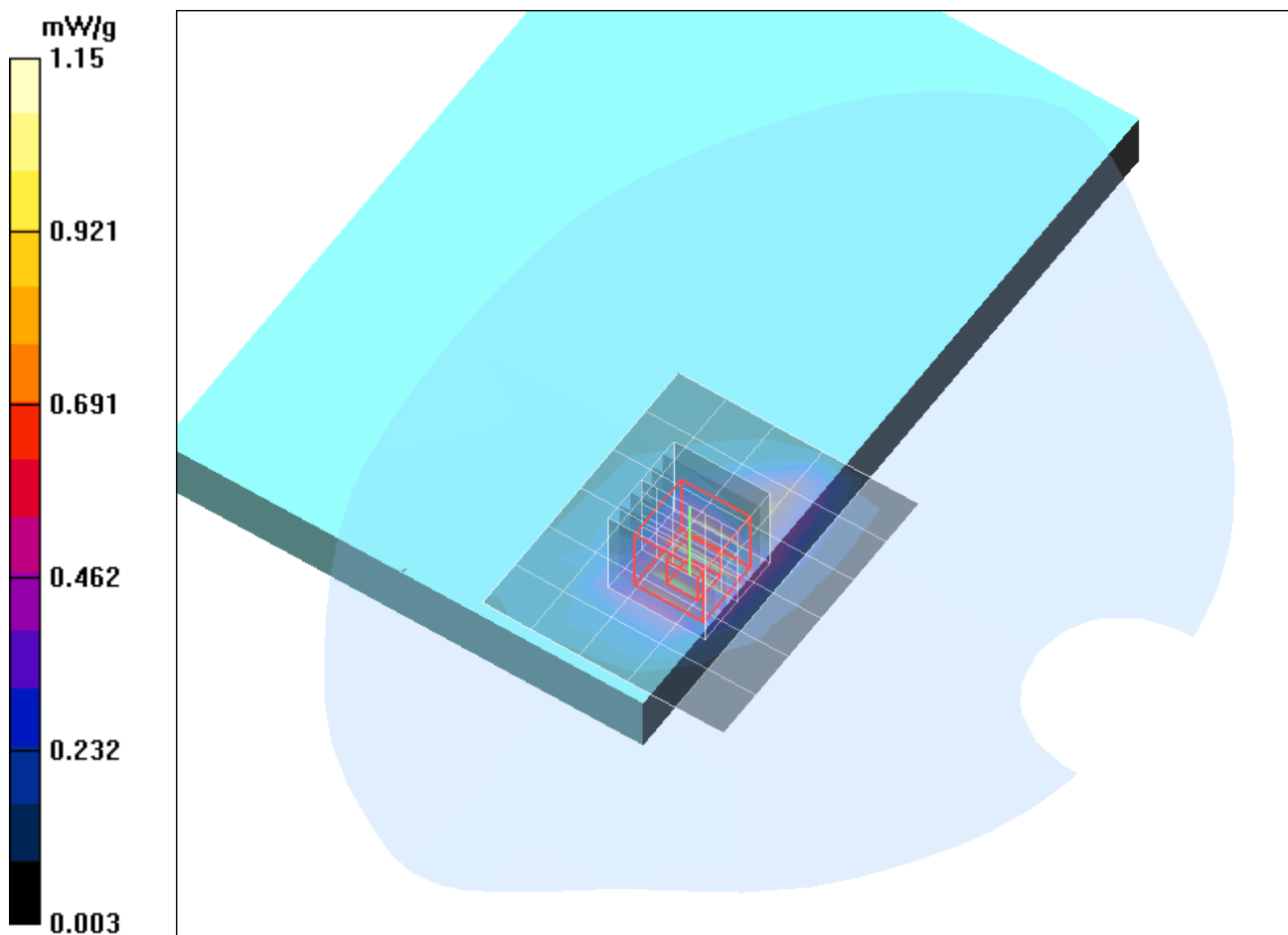


Fig. 5: SAR distribution for WCDMA 4 (FDD), channel 1513, back side, 0 mm (March 27, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari\\_118\\_yu4hl\\_top\\_rp\\_variab.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: WCDMA4

Communication System: WCDMA (FDD) Band IV; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 1712.4$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.75, 4.75, 4.75); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.938 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 = -0.076 dB

Peak SAR (extrapolated) = 2.29 W/kg

**SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.529 mW/g**

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

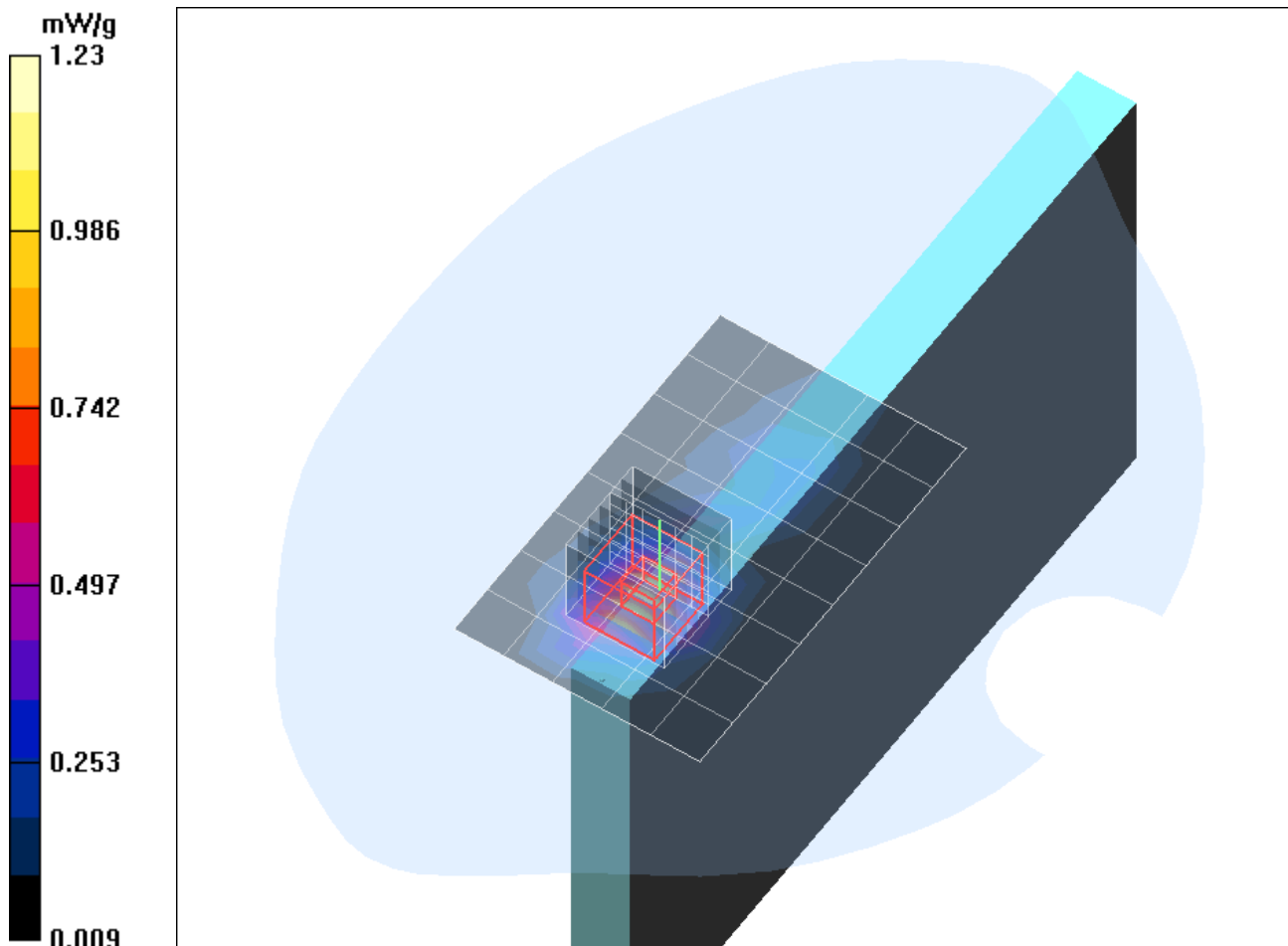


Fig. 6: Variability test for WCDMA 4 (FDD), channel 1312, top edge, 0 mm (March 27, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari 118\\_yu2m\\_top\\_np\\_12mm.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: WCDMA2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.49, 4.49, 4.49); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (6x7x1):** 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 = 13.0 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 1.58 W/kg

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.607 mW/g**

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

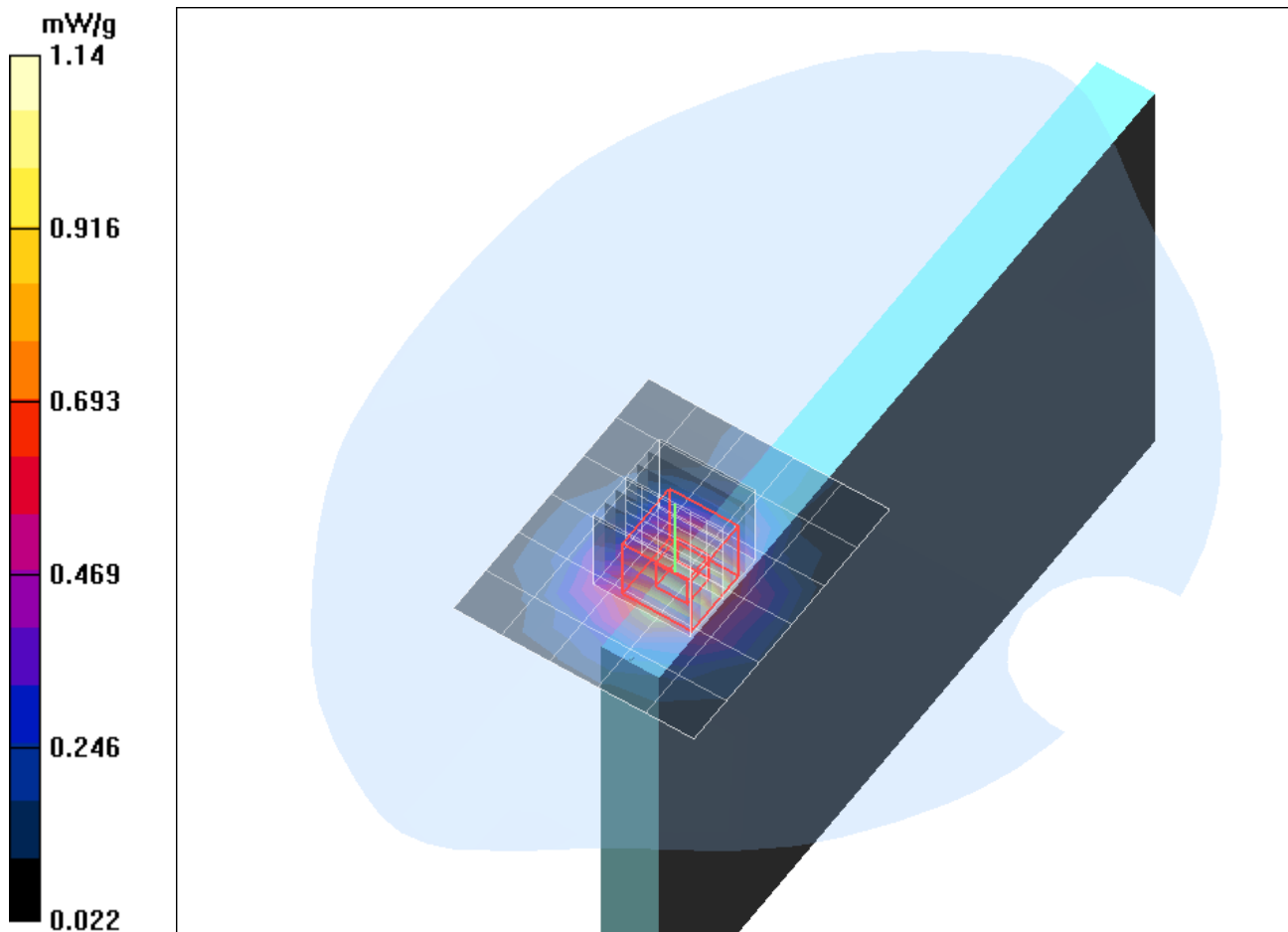


Fig. 7: SAR distribution for WCDMA 2 (FDD), channel 9400, top edge, 12 mm (March 27, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari 118\\_yu2m\\_top\\_np\\_12mm\\_variab.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: WCDMA2

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

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.51$  mho/m;  $\epsilon_r = 54.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6R - SN1579; ConvF(4.49, 4.49, 4.49); Calibrated: 28.01.2014
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- 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 (6x7x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.06 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 = 0.012 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.582 mW/g**

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

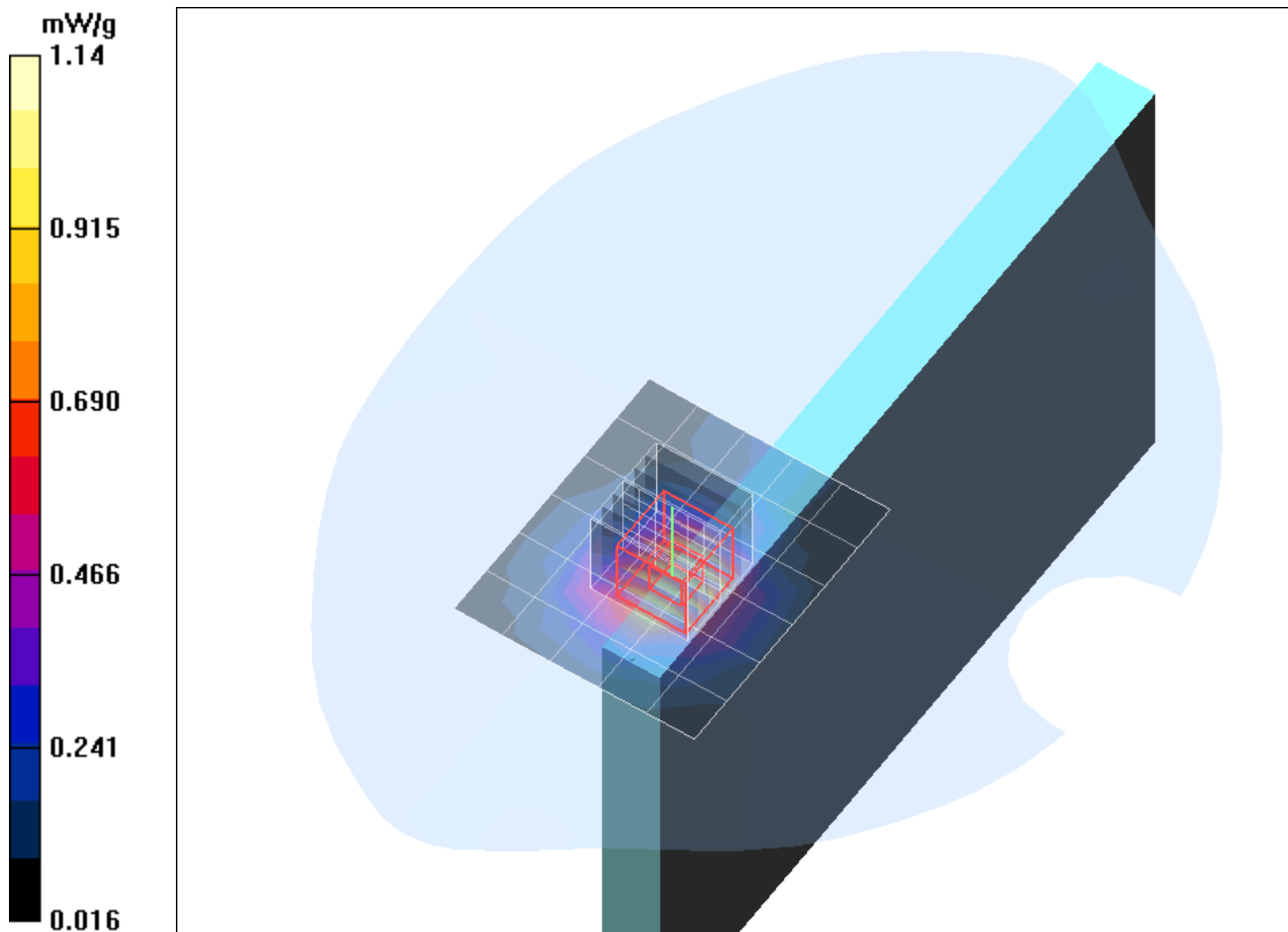


Fig. 8: Variability test for WCDMA 2 (FDD), channel 9400, top edge, 12 mm (March 27, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari\\_118\\_ywhh\\_back\\_ch11\\_b\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 b

Communication System: WLAN 2450; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.01$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(7.47, 7.47, 7.47); Calibrated: 29.07.2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.09.2013
- 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 (8x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.492 mW/g

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

Reference Value = 12.0 V/m; Power Drift = -0.027 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.187 mW/g**

Maximum value of SAR (measured) = 0.534 mW/g

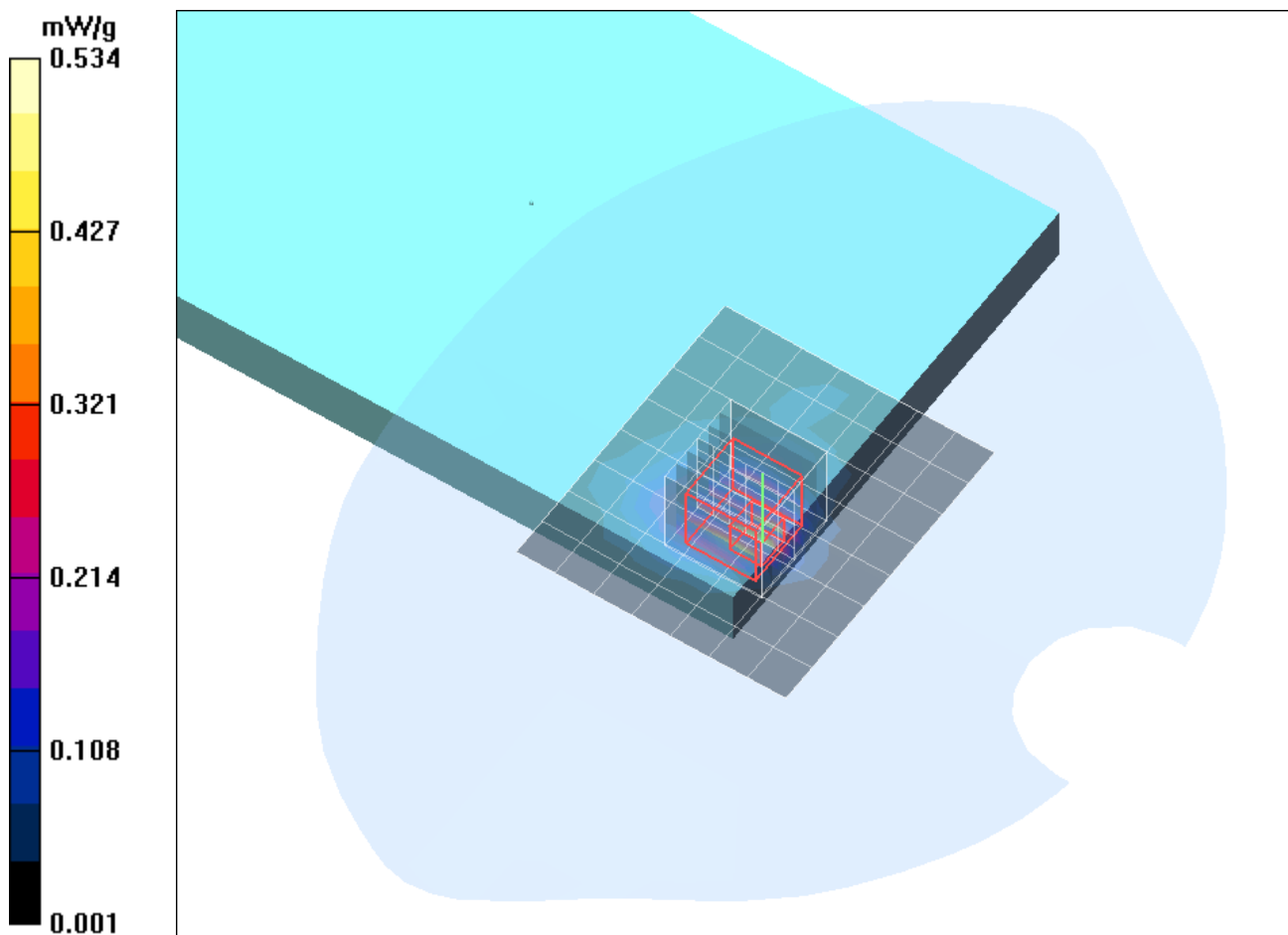


Fig. 9: SAR distribution for IEEE 802.11 b, MAIN ant., channel 11, back side, 0 mm (March 18, 2014)

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

[Inari\\_118\\_ywhm\\_back\\_ch6\\_n\\_ht40\\_mcs8\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 n

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

Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.97$  mho/m;  $\epsilon_r = 53.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(7.47, 7.47, 7.47); Calibrated: 29.07.2013
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn631; Calibrated: 23.09.2013
- 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 (8x9x1):** Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (measured) = 0.368 mW/g

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

Reference Value = 10.3 V/m; Power Drift = -0.043 dB

Peak SAR (extrapolated) = 1.08 W/kg

**SAR(1 g) = 0.344 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.410 mW/g

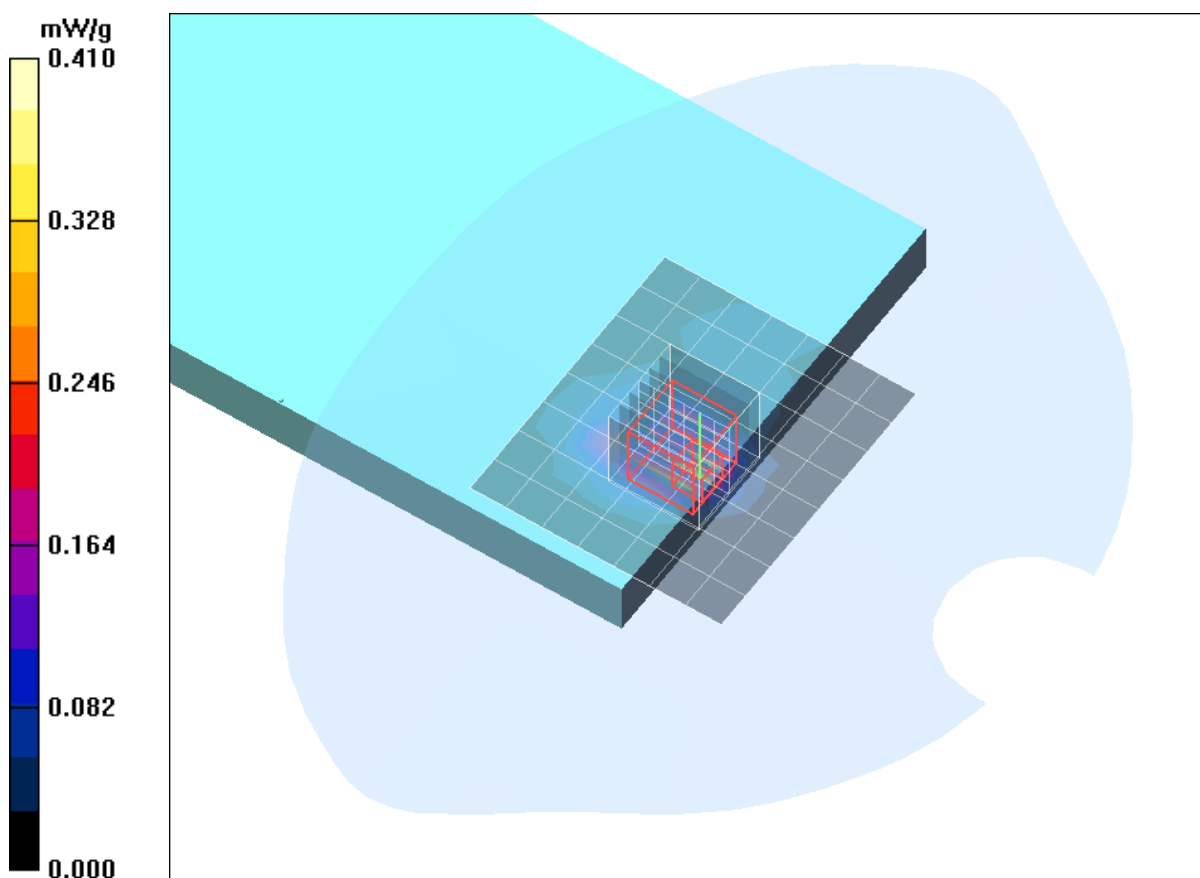


Fig. 10: SAR distribution for IEEE 802.11 n (HT40, MCS8), MAIN ant., channel 6, back side, 0 mm (March 27, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari 118 ywhm right ch52 a main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 a

Communication System: 5 GHz ; Frequency: 5260 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.15$  mho/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(4.18, 4.18, 4.18); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.66 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.33 V/m; Power Drift = 0.108 dB

Peak SAR (extrapolated) = 5.56 W/kg

**SAR(1 g) = 1.32 mW/g; SAR(10 g) = 0.367 mW/g**

Maximum value of SAR (measured) = 2.68 mW/g

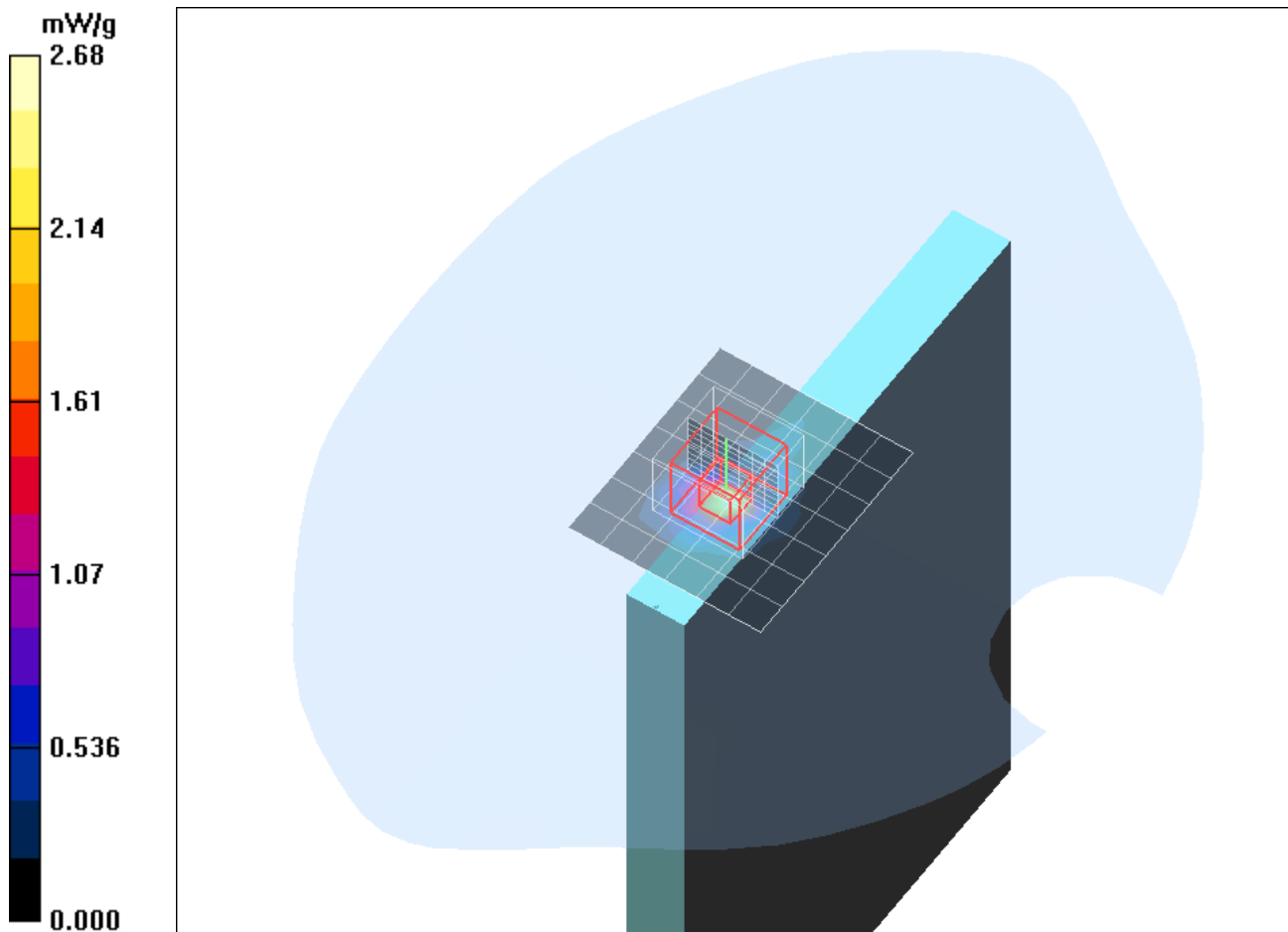


Fig. 11: SAR distribution for IEEE 802.11 a, MAIN ant., channel 52, right edge, 0 mm (April 02, 2014)

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

[Inari\\_118\\_ywhm\\_right\\_ch52\\_a\\_main\\_variab.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 a

Communication System: 5 GHz ; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.15$  mho/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(4.18, 4.18, 4.18); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 2.55 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 9.93 V/m; Power Drift = 0.020 dB

Peak SAR (extrapolated) = 5.00 W/kg

**SAR(1 g) = 1.35 mW/g; SAR(10 g) = 0.394 mW/g**

Maximum value of SAR (measured) = 2.61 mW/g

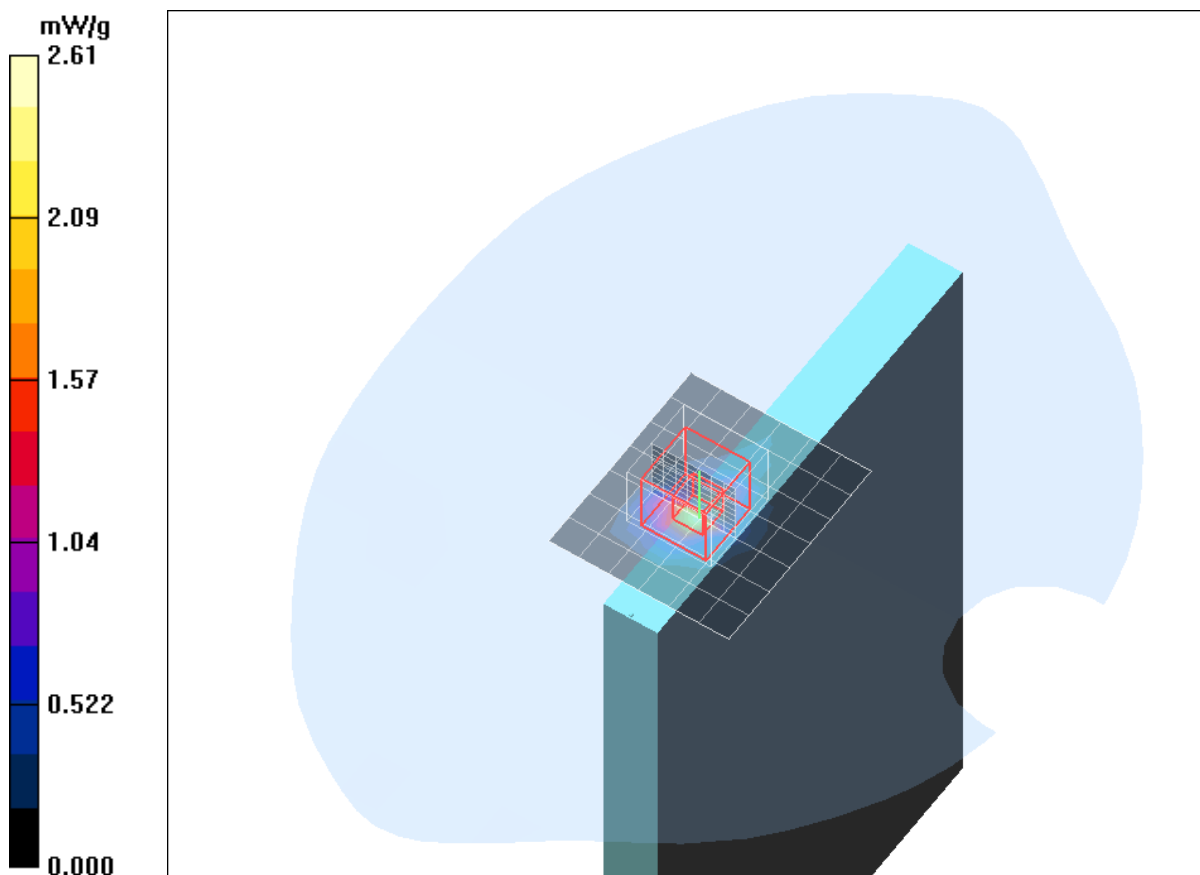


Fig. 12: Variability test for IEEE 802.11 n (HT40, MCS8), MAIN ant., channel 52, right edge, 0 mm (April 02, 2014)

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

[Inari\\_118\\_ywhm\\_right\\_ch52\\_n\\_ht40\\_mcs8\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 n

Communication System: 5 GHz ; Frequency: 5270 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5270$  MHz;  $\sigma = 5.17$  mho/m;  $\epsilon_r = 47.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(4.18, 4.18, 4.18); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.945 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.37 V/m; Power Drift = -0.105 dB

Peak SAR (extrapolated) = 4.05 W/kg

**SAR(1 g) = 0.615 mW/g; SAR(10 g) = 0.162 mW/g**

Maximum value of SAR (measured) = 1.26 mW/g

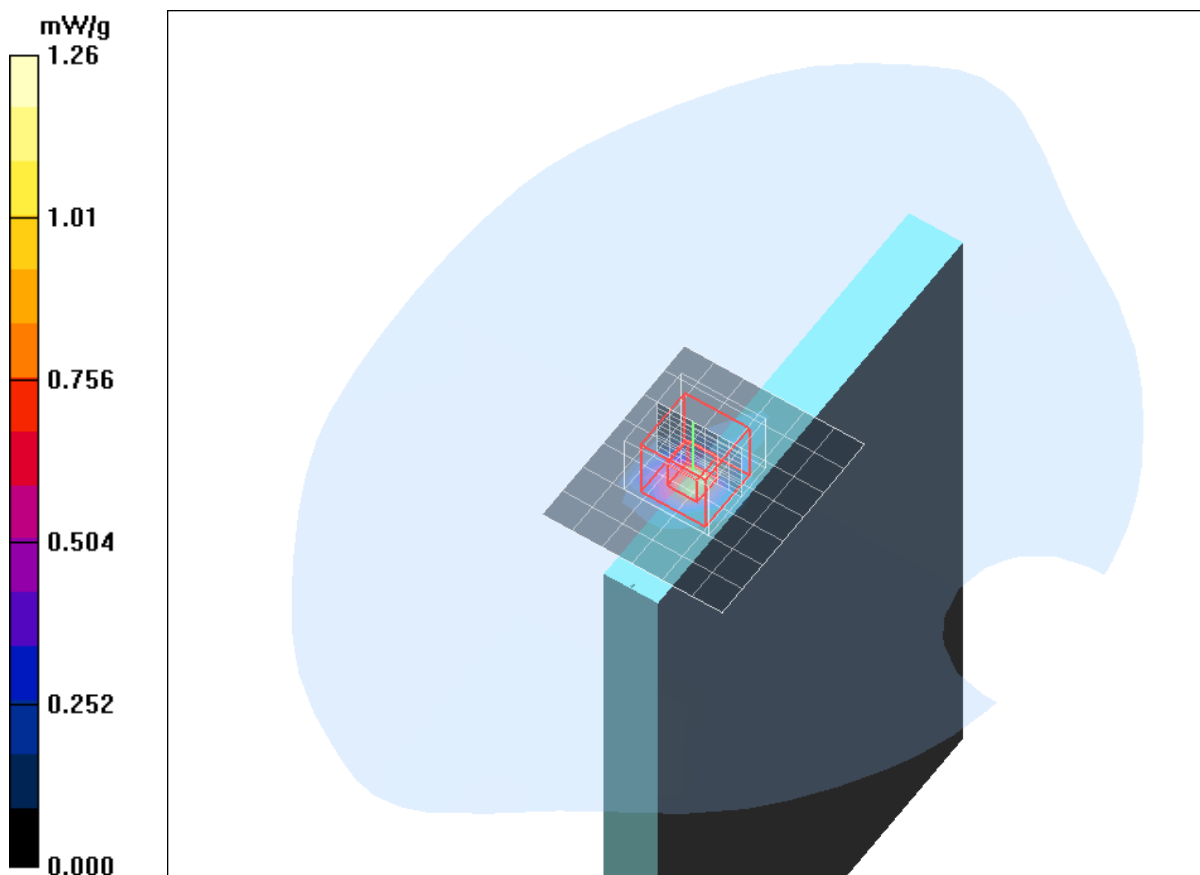


Fig. 13: SAR distribution for IEEE 802.11 n (HT40, MCS8), MAIN ant., channel 52, right edge, 0 mm (April 02, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari\\_118\\_ywhm\\_back\\_ch104\\_a\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 a

Communication System: 5 GHz ; Frequency: 5520 MHz;Duty Cycle: 1:1

Medium parameters used:  $f = 5520$  MHz;  $\sigma = 5.65$  mho/m;  $\epsilon_r = 47.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(3.78, 3.78, 3.78); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.21 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 7.74 V/m; Power Drift = -0.060 dB

Peak SAR (extrapolated) = 7.62 W/kg

**SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.237 mW/g**

Maximum value of SAR (measured) = 1.88 mW/g

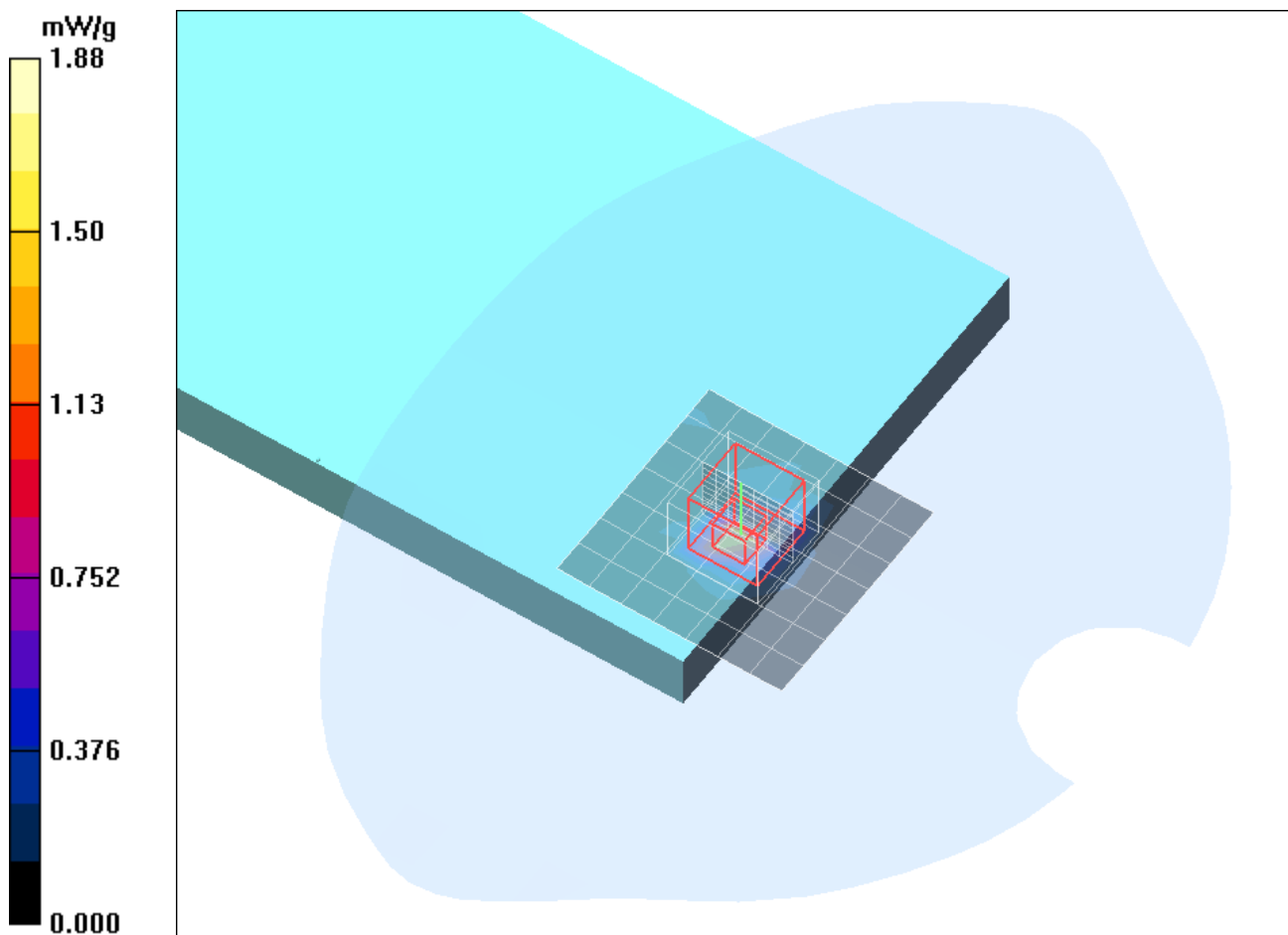


Fig. 14: SAR distribution for IEEE 802.11 a, MAIN ant., channel 104, back side, 0 mm (April 04, 2014)

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

[Inari\\_118\\_ywhm\\_right\\_ch116\\_n\\_ht40\\_mcs8\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 n

Communication System: 5 GHz ; Frequency: 5590 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5590$  MHz;  $\sigma = 5.74$  mho/m;  $\epsilon_r = 47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(4.01, 4.01, 4.01); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (7x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 0.400 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 3.40 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.731 W/kg

**SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.048 mW/g**

Maximum value of SAR (measured) = 0.416 mW/g

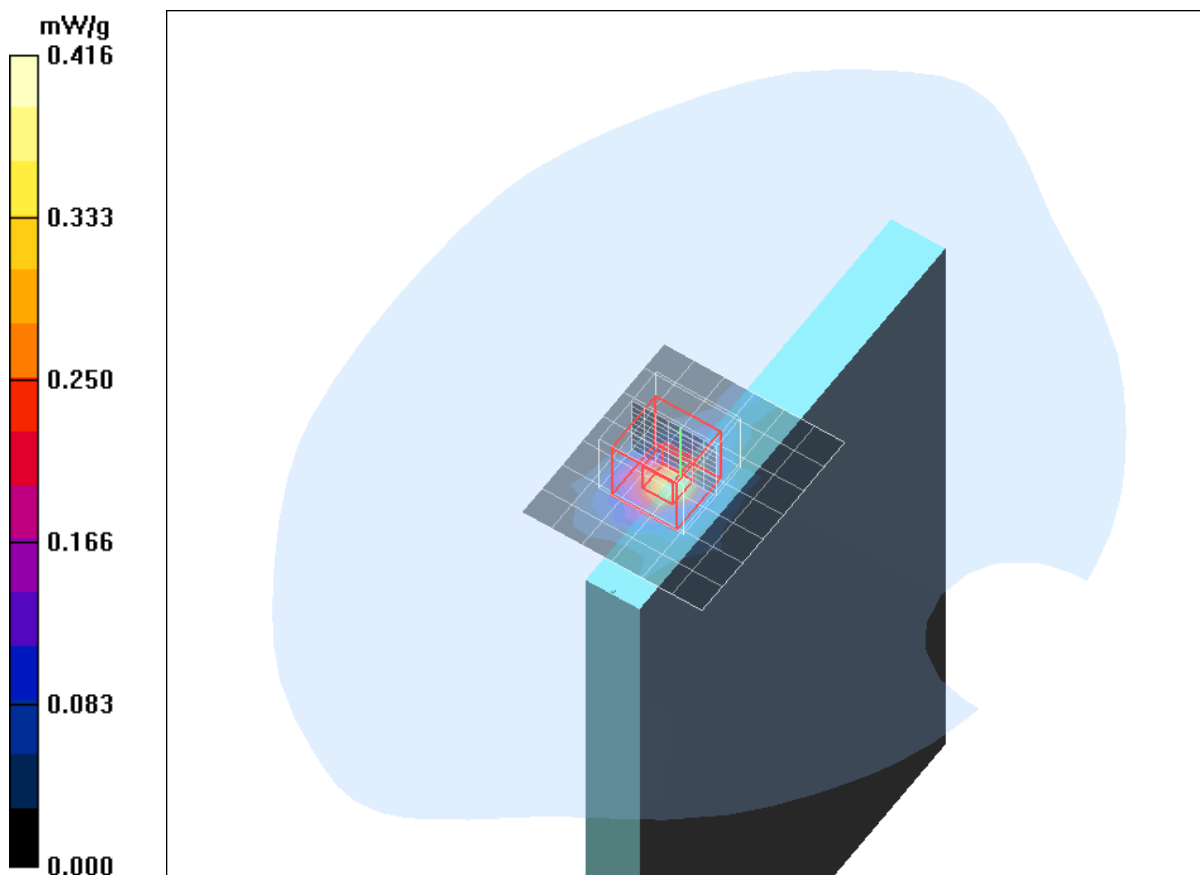


Fig. 15: SAR distribution for IEEE 802.11 n (HT40, MCS8), MAIN ant., channel 116, right edge, 0 mm (April 04, 2014)

Test Laboratory: Imst GmbH, DASY Yellow (II); File Name: [Inari\\_118\\_ywhm\\_back\\_ch149\\_a\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 a

Communication System: 5 GHz ; Frequency: 5745 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 5745$  MHz;  $\sigma = 6.02$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(3.76, 3.76, 3.76); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (8x8x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 1.28 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid: dx=4mm, dy=4mm, dz=2.5mm

Reference Value = 5.74 V/m; Power Drift = -0.079 dB

Peak SAR (extrapolated) = 2.28 W/kg

**SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 1.37 mW/g

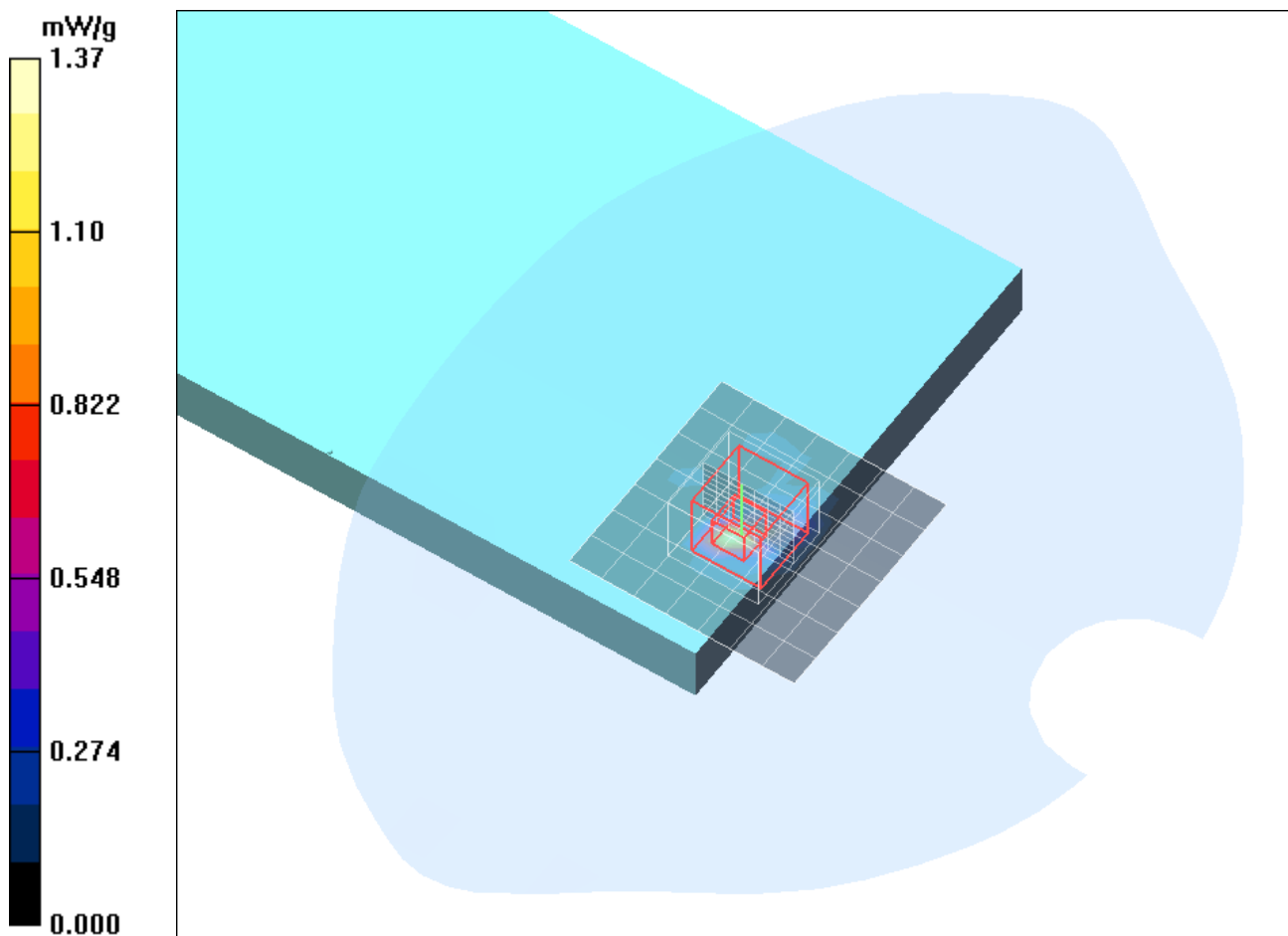


Fig. 16: SAR distribution for IEEE 802.11 a, MAIN ant., channel 149, back side, 0 mm (April 07, 2014)

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

[Inari\\_118\\_ywhm\\_right\\_ch149\\_n\\_ht40\\_mcs8\\_main.da4](#)

DUT: AAVAmobile; Type: Inari8-3GAN-C1; Serial: 866274011175118

Program Name: IEEE 802.11 n

Communication System: 5 GHz ; Frequency: 5755 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated):  $f = 5755$  MHz;  $\sigma = 6.03$  mho/m;  $\epsilon_r = 46.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3860; ConvF(3.76, 3.76, 3.76); Calibrated: 29.07.2013
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn335; Calibrated: 23.01.2014
- Phantom: SAM Sugar 1341; Type: QD 000 P40 CB; Serial: TP-1341
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

**Body Worn/Area Scan (7x8x1):** Measurement grid:  $dx=10$ mm,  $dy=10$ mm

Maximum value of SAR (measured) = 0.270 mW/g

**Body Worn/Zoom Scan (8x8x10)/Cube 0:** Measurement grid:  $dx=4$ mm,  $dy=4$ mm,  $dz=2.5$ mm

Reference Value = 1.48 V/m; Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.620 W/kg

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.034 mW/g**

Maximum value of SAR (measured) = 0.329 mW/g

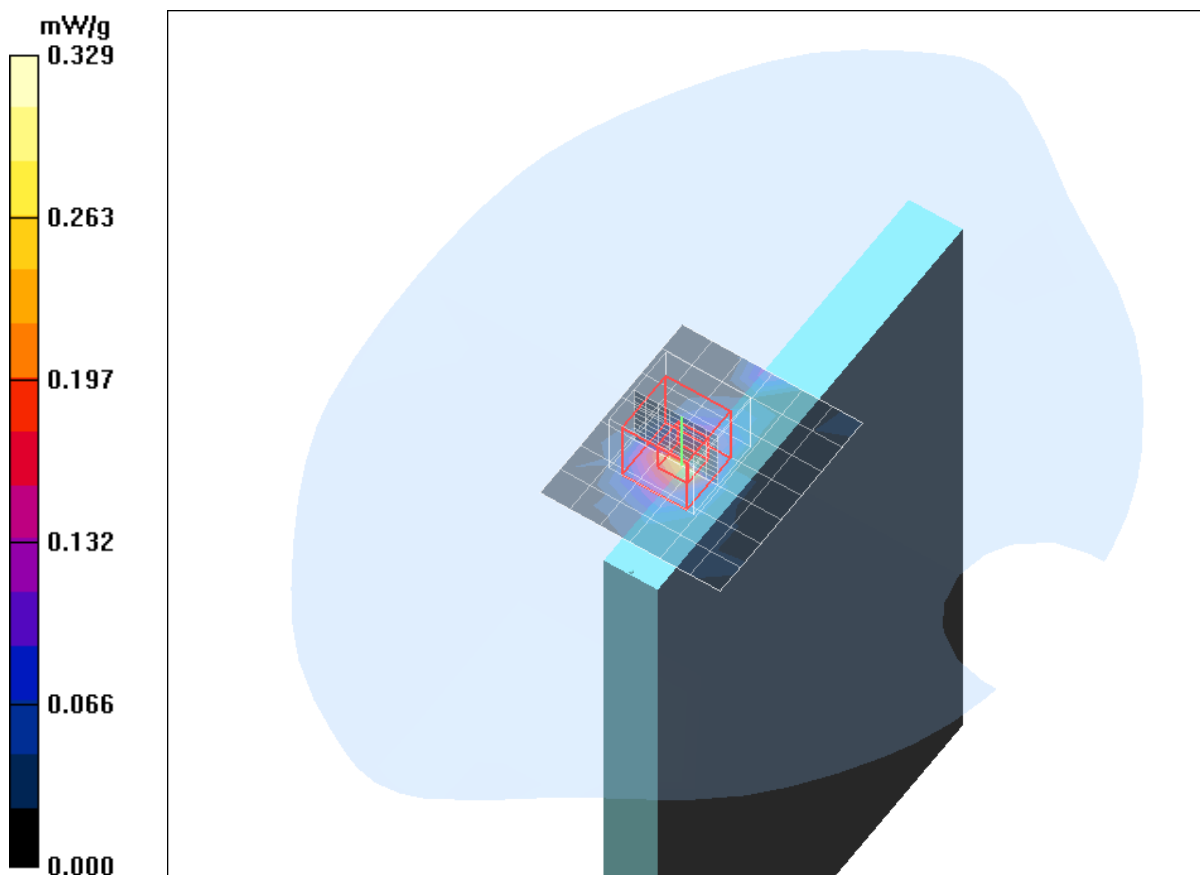


Fig. 17: SAR distribution for IEEE 802.11 n (HT40, MCS8), MAIN ant., channel 149, right edge, 0 mm (April 07, 2014)