

APPENDIX 2 : SAR Measurement data

1. Evaluation procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the E-field at a fixed location above the central position of flat phantom was used as a reference value for assessing the power drop.

Step 2: The SAR distribution at the exposed side of body position was measured at a distance of each device from the inner surface of the shell. The area covered the entire dimension of the antenna of EUT and the horizontal grid spacing was 15 mm x 15 mm . Based on these data, the area of the maximum absorption was determined by spline interpolation.

Step 3: Around this point found in the Step 2 (area scan) , a volume of 30mm x 30mm x 30mm was assessed by measuring 7 x 7 x 7 points. And for any secondary peaks found in the Step2 which are within 2dB of maximum peak (level more than ambient noise (≥ 0.012 W/kg)) and not with this Step3 (Zoom scan) is repeated. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:

(1). The data at the surface were extrapolated, since the center of the dipoles is 1mm away from the tip of the probe and the distance between the surface and the lowest measuring point is 1.3 mm. The extrapolation was based on a least square algorithm [4]. A polynomial of the fourth order was calculated through the points in z-axes. This polynomial was then used to evaluate the points between the surface and the probe tip.

(2). The maximum interpolated value was searched with a straightforward algorithm. Around this maximum the SAR values averaged over the spatial volumes (1 g or 10 g) were computed by the 3D-Spline interpolation algorithm. The 3D-Spline is composed of three one-dimensional splines with the "Not a knot"-condition (in x, y and z-directions) [4], [5]. The volume was integrated with the trapezoidal-algorithm. One thousand points (10 x 10 x 10) were interpolated to calculate the average.

(3). All neighboring volumes were evaluated until no neighboring volume with a higher average value was found.

Step 4: Re-measurement of the E-field at the same location as in Step 1.

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2. Measurement data (Body SAR 2450MHz)

COM-2_Body_Front_CCK(11Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.011 mW/g

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

Reference Value = 1.64 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 0.015 W/kg

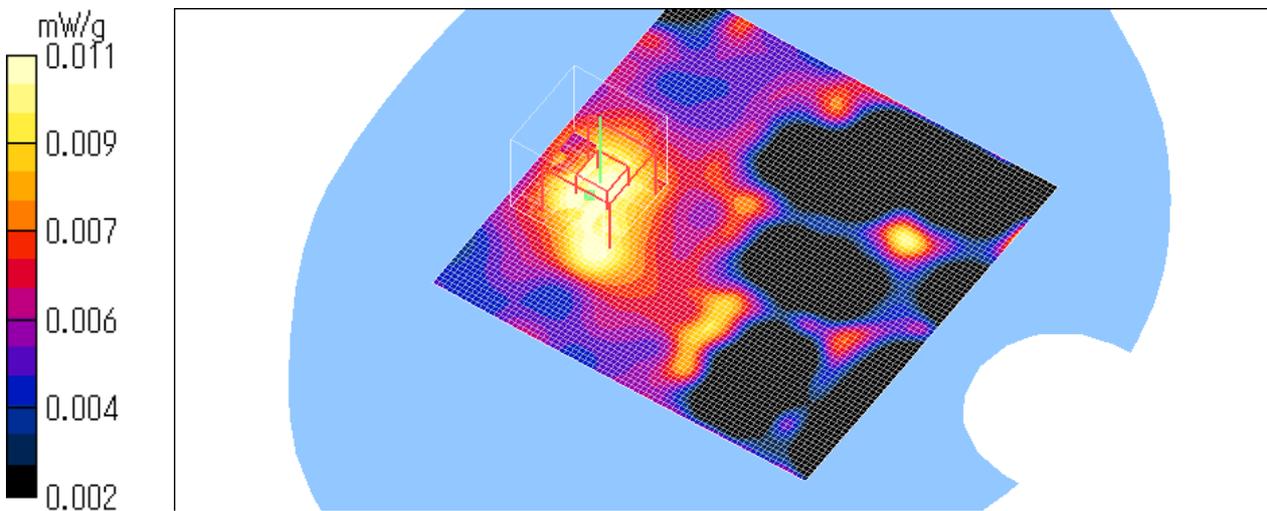
SAR(1 g) = 0.00859 mW/g; SAR(10 g) = 0.00573 mW/g

Maximum value of SAR (measured) = 0.011 mW/g

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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COM-2_Body_Bottom_CCK(11Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.245 mW/g

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

Reference Value = 7.26 V/m; Power Drift = -0.010 dB

Peak SAR (extrapolated) = 0.530 W/kg

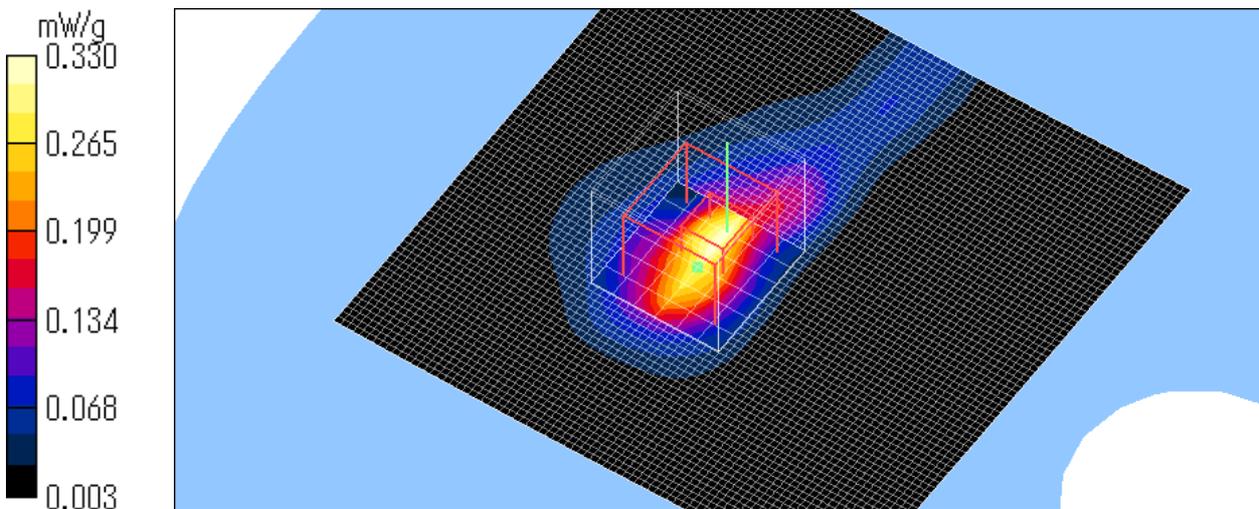
SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.330 mW/g

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Body_Top_CCK(11Mbps)_2437MHz

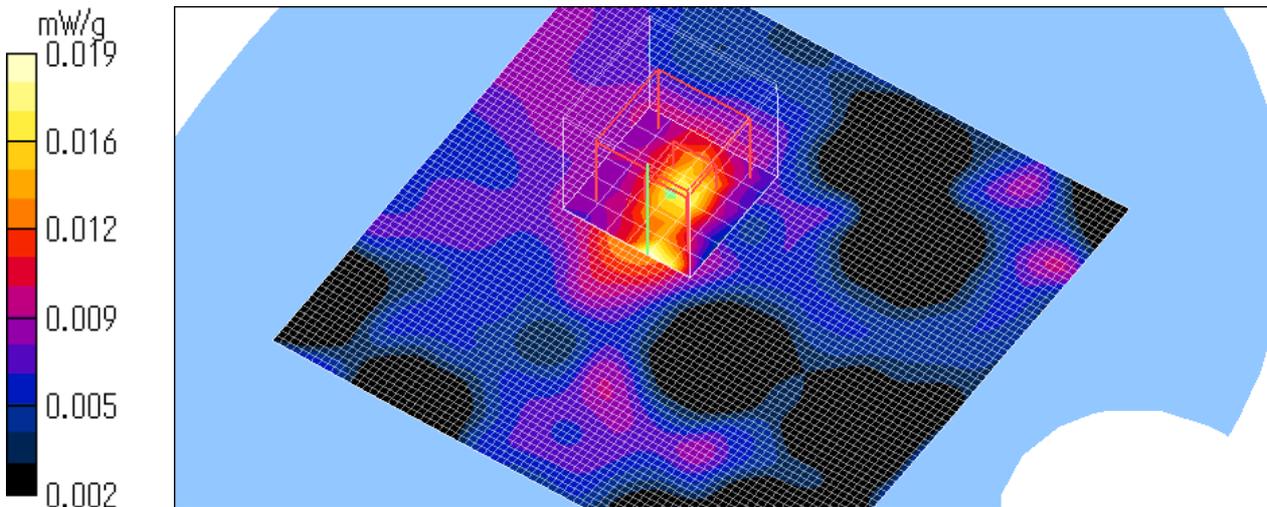
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.018 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.79 V/m; Power Drift = -0.037 dB
Peak SAR (extrapolated) = 0.042 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00702 mW/g
Maximum value of SAR (measured) = 0.019 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Left side_CCK(11Mbps)_2437MHz

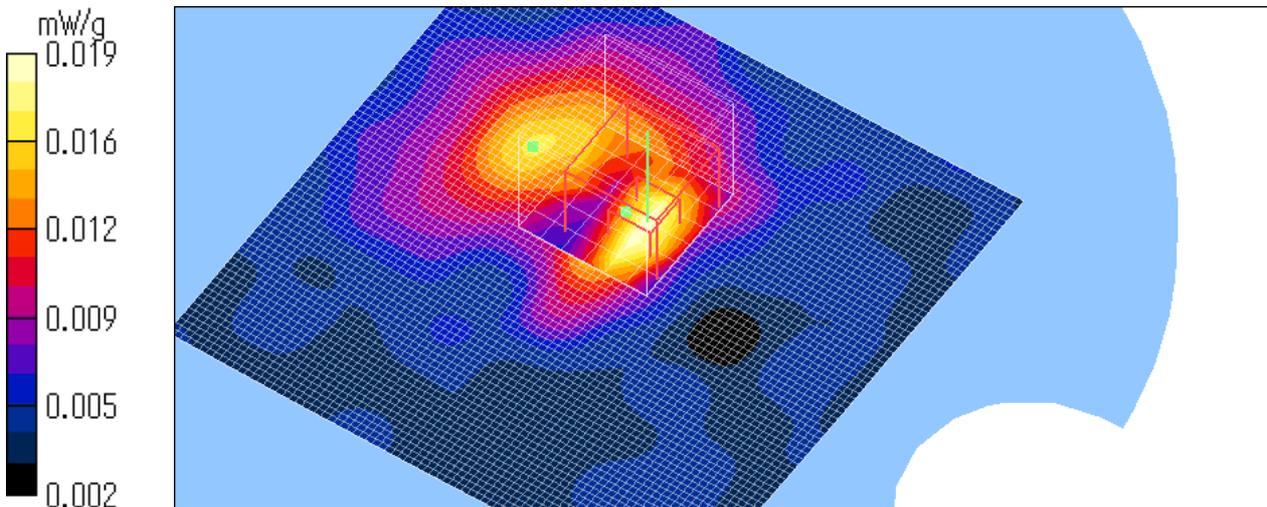
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.020 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.60 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 0.027 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00761 mW/g
Maximum value of SAR (measured) = 0.019 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



COM-2_Body_Rear_CCK(11Mbps)_2437MHz

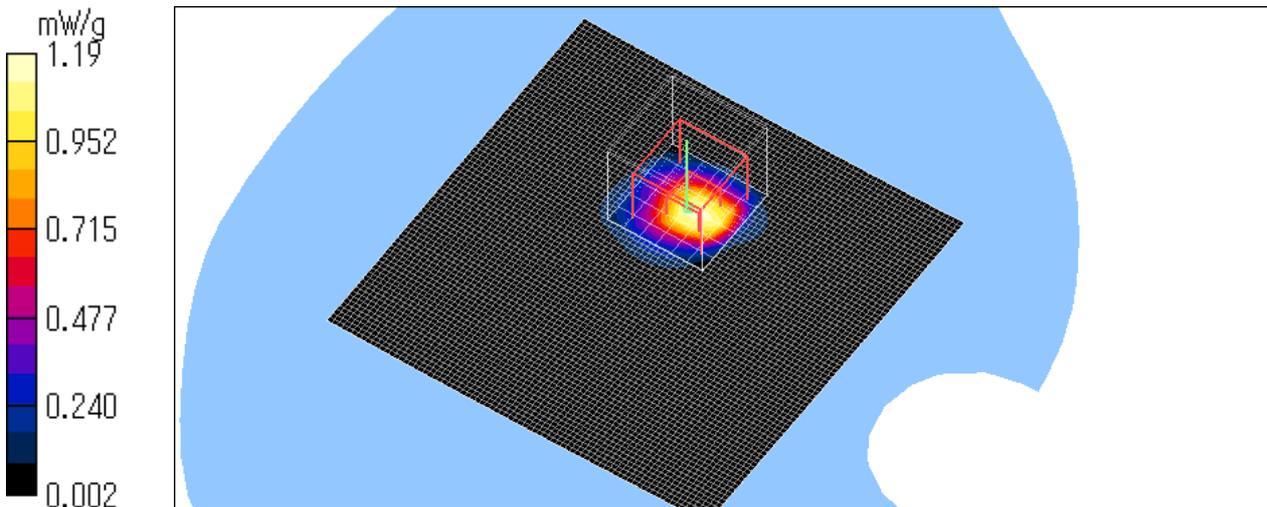
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.50 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.02 V/m; Power Drift = -0.076 dB
Peak SAR (extrapolated) = 1.97 W/kg

SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.330 mW/g
Maximum value of SAR (measured) = 1.19 mW/g

Test Date = 11/15/07
Ambient Temperature = 23.9 degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Rear slide_CCK(11Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.00 mW/g

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

Reference Value = 1.63 V/m; Power Drift = 0.132 dB

Peak SAR (extrapolated) = 1.40 W/kg

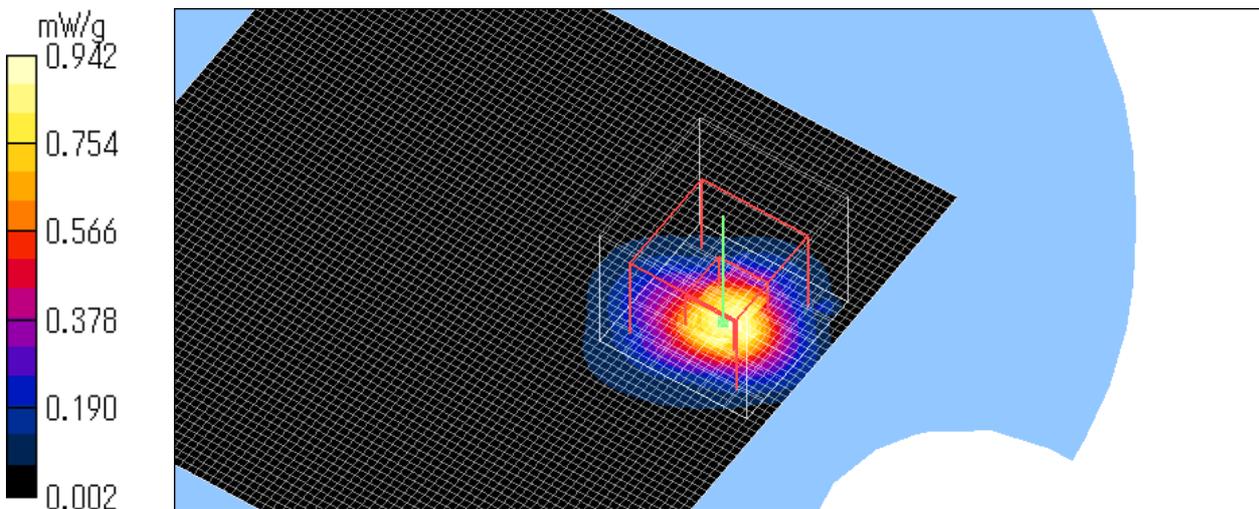
SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (measured) = 0.942 mW/g

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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COM-2_Body_Rear (with belt clip)_CCK(11Mbps)_2437MHz

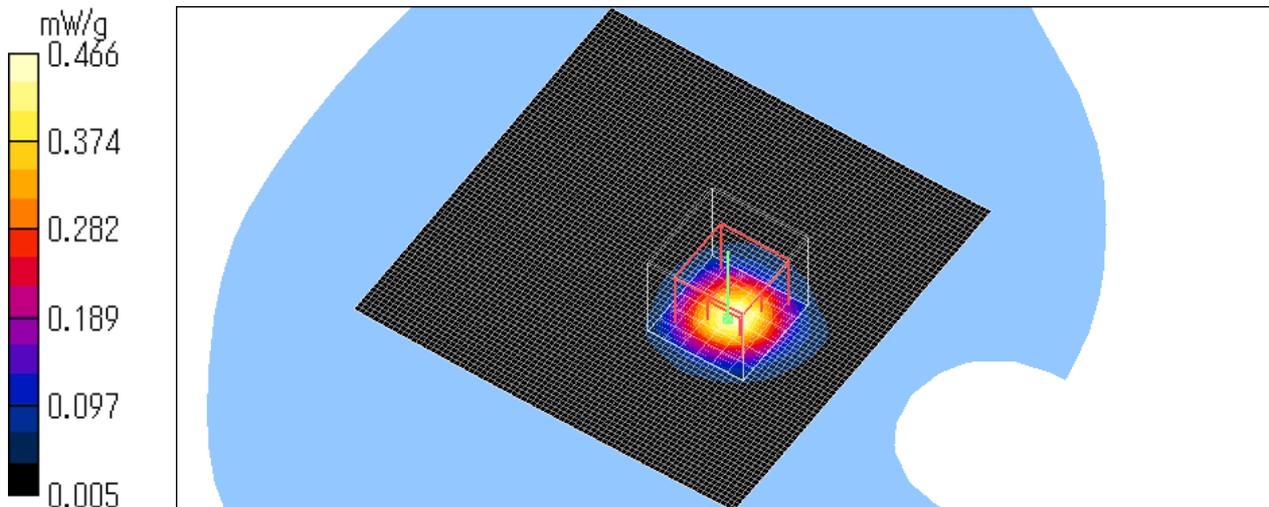
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.616 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.30 V/m; Power Drift = -0.029 dB
Peak SAR (extrapolated) = 0.604 W/kg

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.157 mW/g
Maximum value of SAR (measured) = 0.466 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Rear slide_CCK(11Mbps)_2412MHz

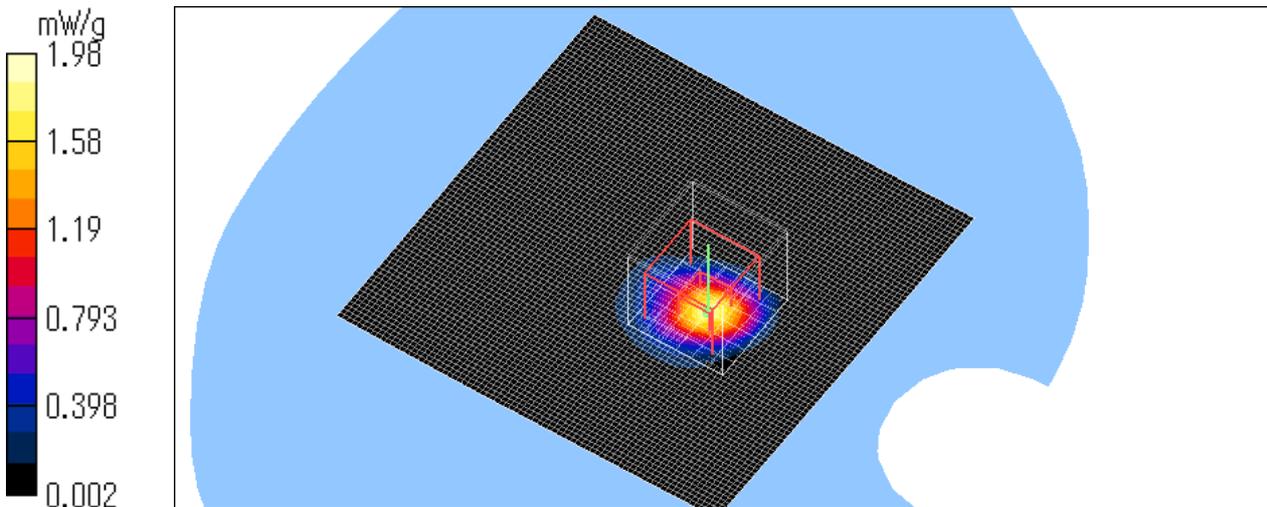
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 2.04 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 12.4 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 2.79 W/kg

SAR(1 g) = 1.22 mW/g; SAR(10 g) = 0.498 mW/g
Maximum value of SAR (measured) = 1.98 mW/g

Test Date = 11/15/07
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



COM-2_Body_Rear slide_CCK(11Mbps)_2462MHz

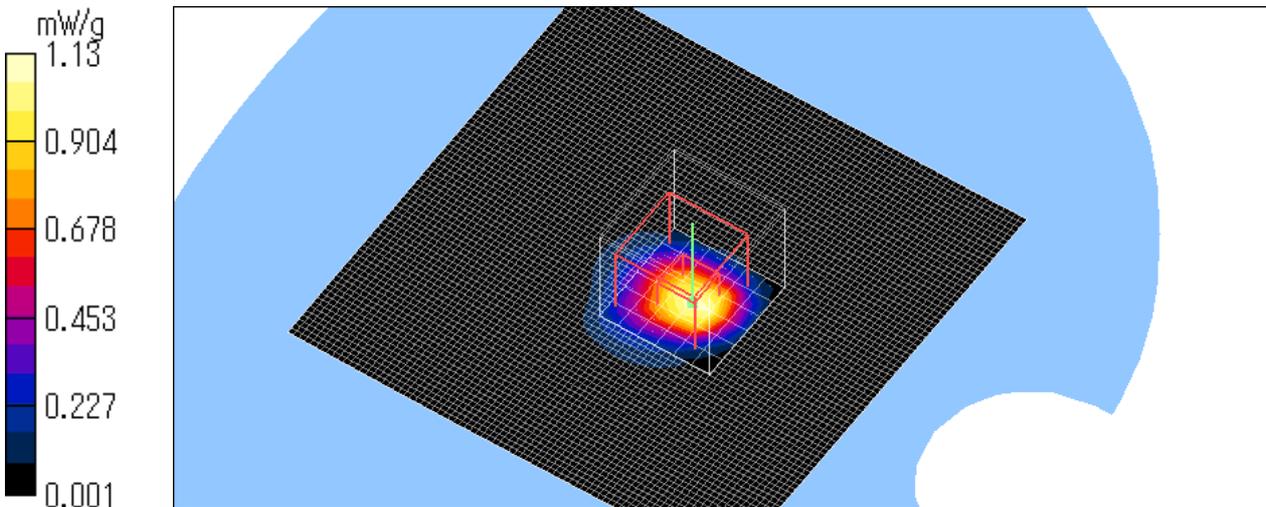
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 1.43 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 18.5 V/m; Power Drift = 0.030 dB
Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 0.732 mW/g; SAR(10 g) = 0.302 mW/g
Maximum value of SAR (measured) = 1.13 mW/g

Test Date = 11/15/07
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



COM-2_Body_Rear_BPSK(6Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 13.1 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 2.08 W/kg

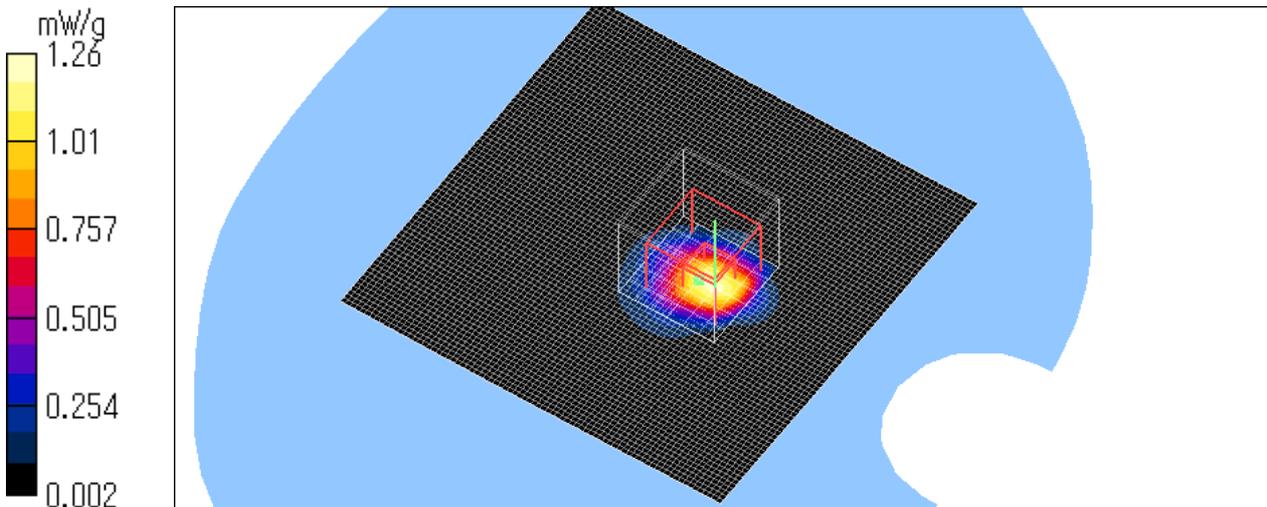
SAR(1 g) = 0.826 mW/g; SAR(10 g) = 0.340 mW/g

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

Test Date = 11/15/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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COM-2_Body_Rear slide_BPSK(12Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.58 mW/g

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

Reference Value = 15.5 V/m; Power Drift = 0.005 dB

Peak SAR (extrapolated) = 2.32 W/kg

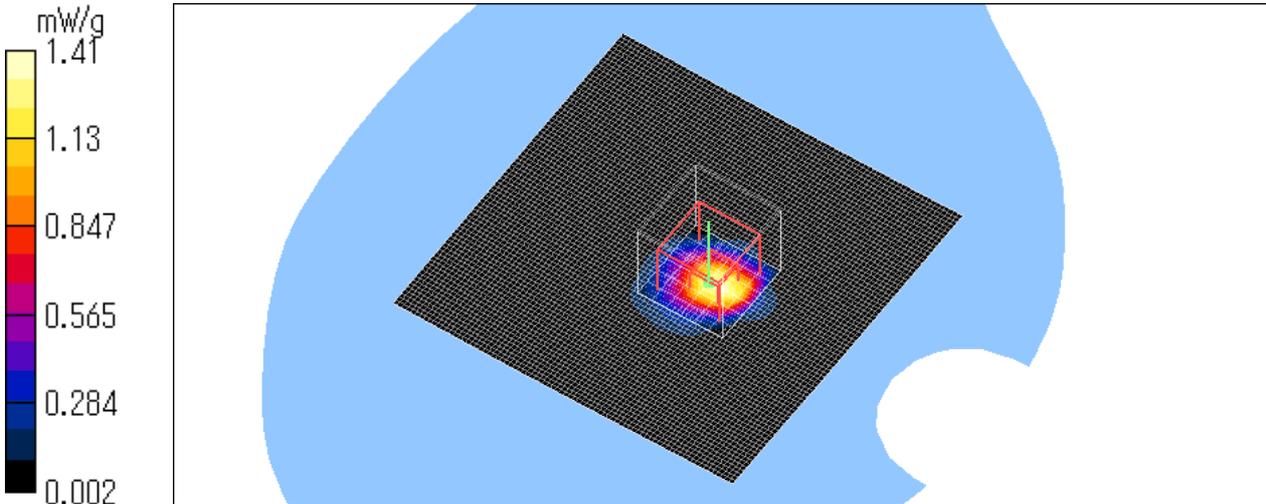
SAR(1 g) = 0.927 mW/g; SAR(10 g) = 0.384 mW/g

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

Test Date = 11/15/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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COM-2_Body_Rear_16QAM(36Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.87 mW/g

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

Reference Value = 19.9 V/m; Power Drift = -0.163 dB

Peak SAR (extrapolated) = 2.87 W/kg

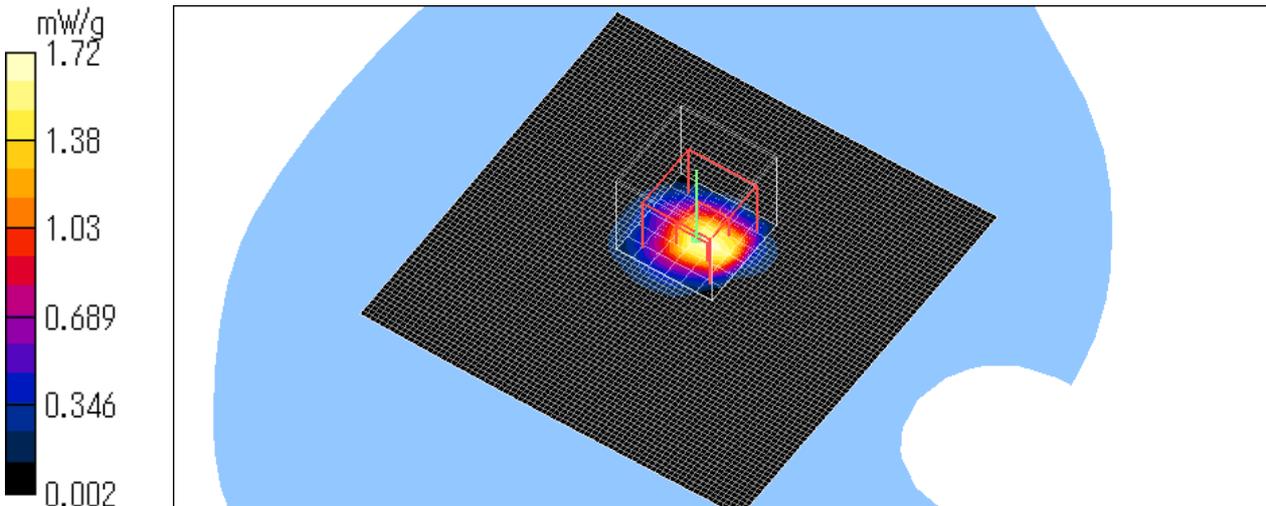
SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.477 mW/g

Maximum value of SAR (measured) = 1.72 mW/g

Test Date = 11/15/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Body_Rear_64QAM(48Mbps)_2437MHz

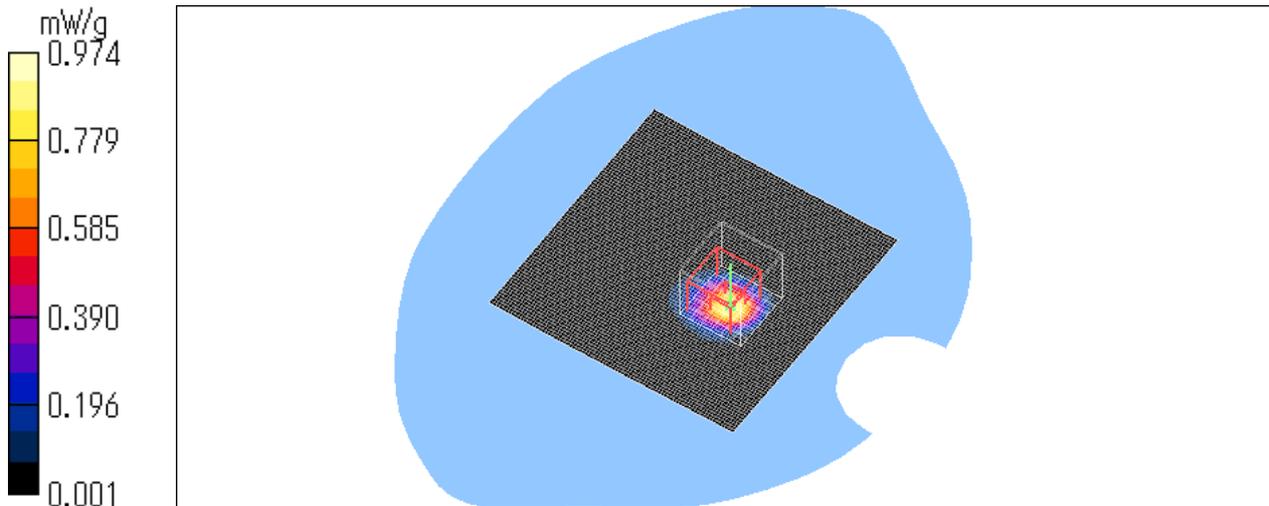
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.57 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.86 V/m; Power Drift = -0.195 dB
Peak SAR (extrapolated) = 1.52 W/kg

SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.253 mW/g
Maximum value of SAR (measured) = 0.974 mW/g

Test Date = 11/15/07
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Front_16QAM(36Mbps)_2437MHz

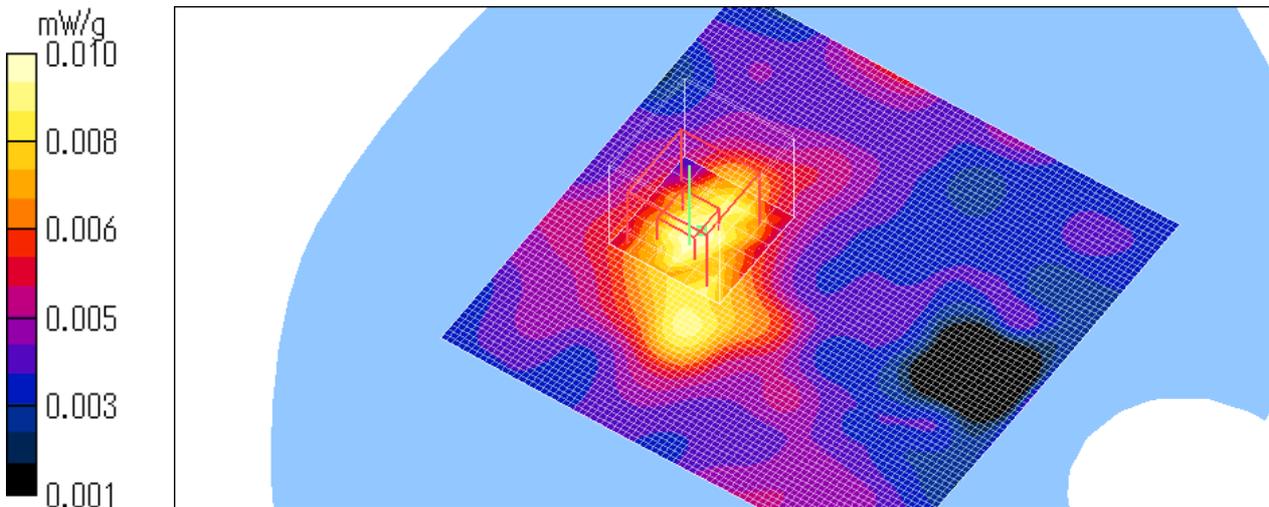
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.011 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.36 V/m; Power Drift = -0.125 dB
Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00714 mW/g; SAR(10 g) = 0.00431 mW/g
Maximum value of SAR (measured) = 0.010 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Bottom_16QAM(36Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.285 mW/g

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

Reference Value = 6.71 V/m; Power Drift = -0.055 dB

Peak SAR (extrapolated) = 0.459 W/kg

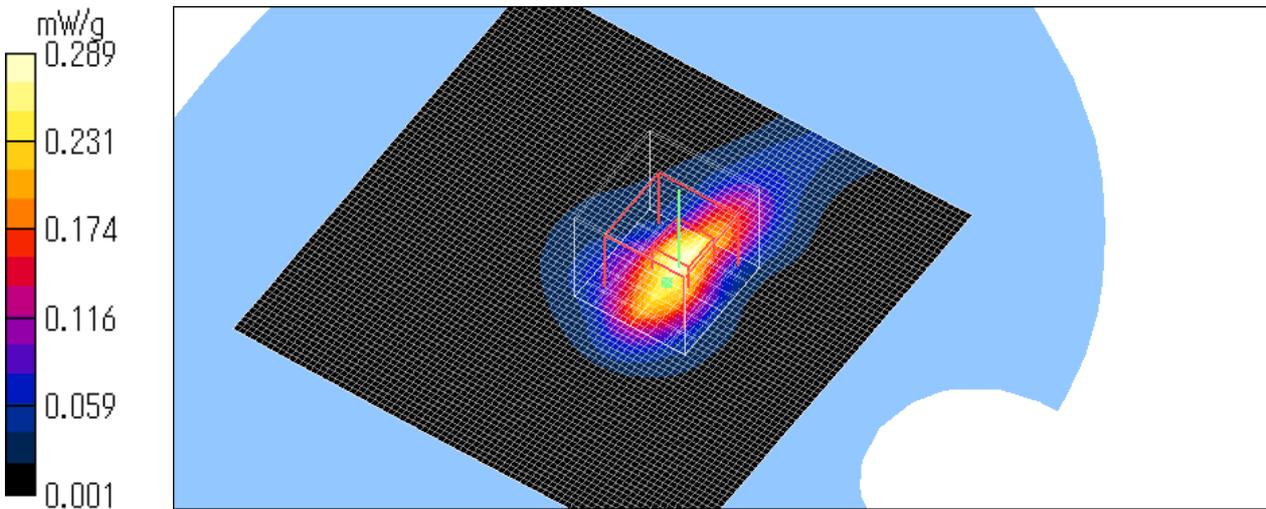
SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.074 mW/g

Maximum value of SAR (measured) = 0.289 mW/g

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Body_Top_16QAM(36Mbps)_2437MHz

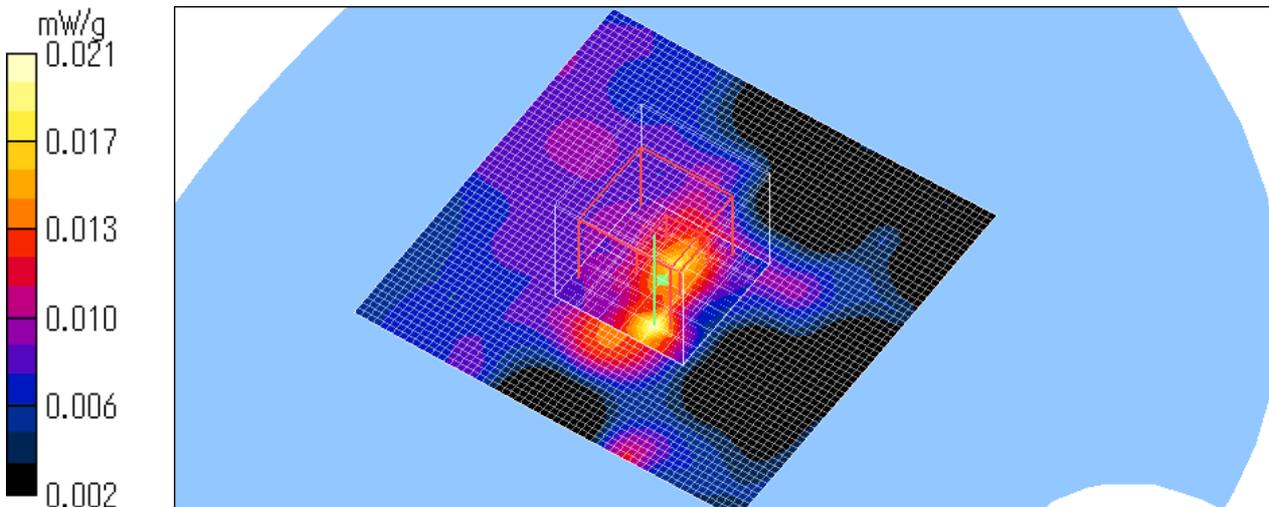
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.018 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.80 V/m; Power Drift = 0.071 dB
Peak SAR (extrapolated) = 0.039 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00702 mW/g
Maximum value of SAR (measured) = 0.021 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Left side_16QAM(36Mbps)_2437MHz

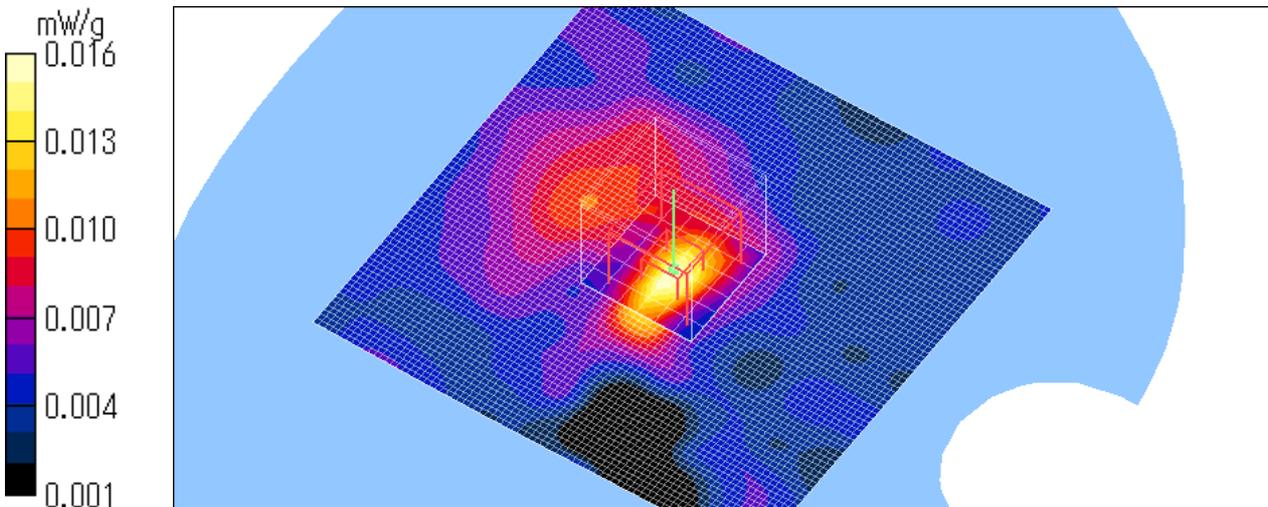
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.015 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.86 V/m; Power Drift = 0.124 dB
Peak SAR (extrapolated) = 0.024 W/kg

SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00583 mW/g
Maximum value of SAR (measured) = 0.016 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Rear slide_16QAM(36Mbps)_2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.846 mW/g

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

Reference Value = 5.00 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 1.24 W/kg

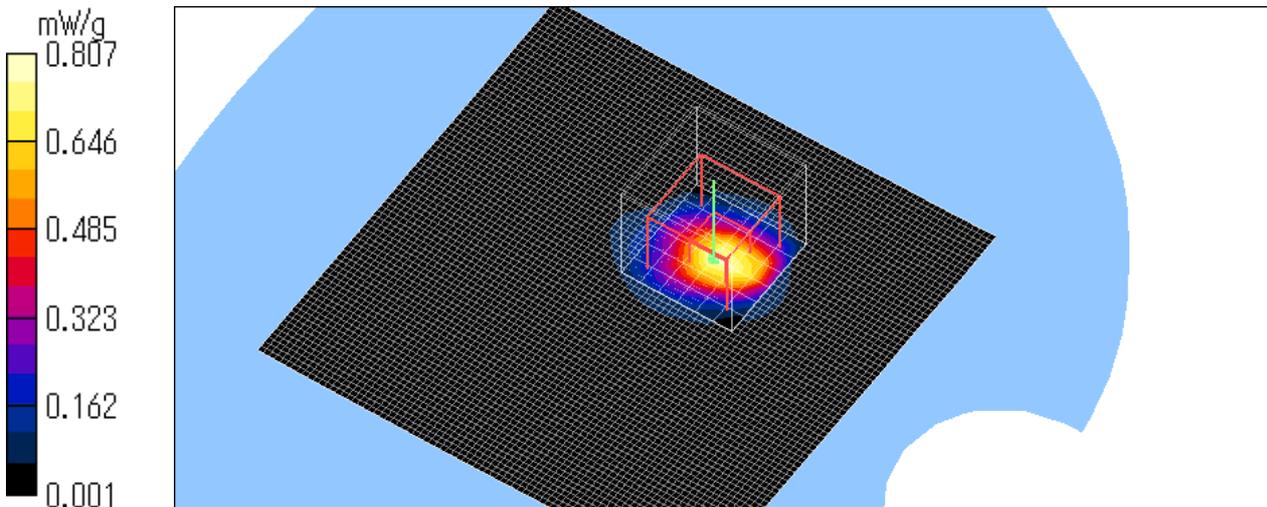
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.211 mW/g

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

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Body_Rear (with belt clip)_16QAM(36Mbps)_2437MHz

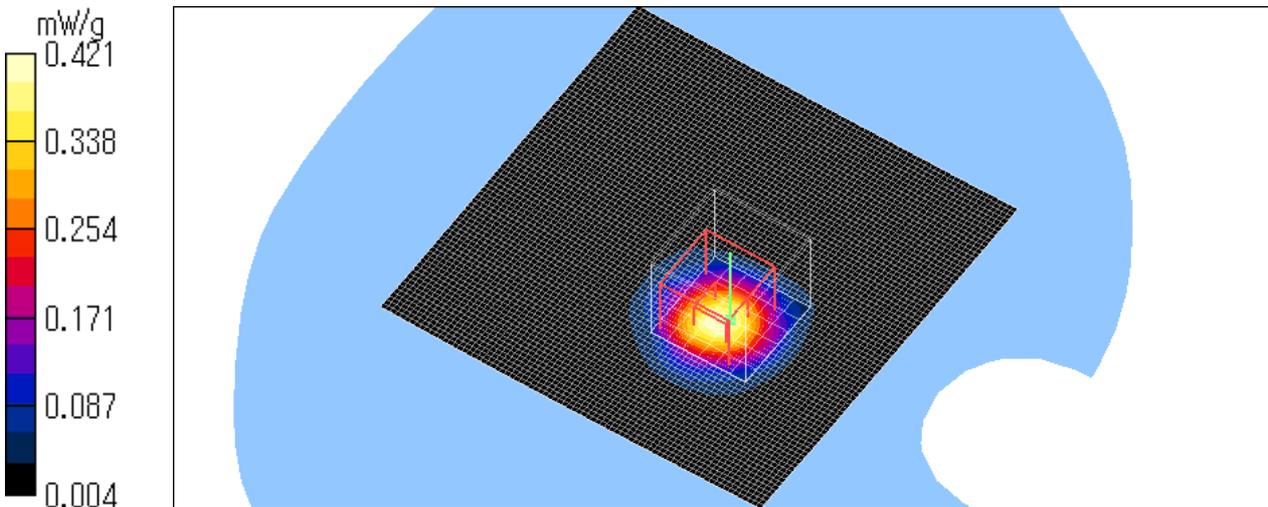
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.453 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 5.65 V/m; Power Drift = -0.080 dB
Peak SAR (extrapolated) = 0.549 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.145 mW/g
Maximum value of SAR (measured) = 0.421 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Body_Rear_16QAM(36Mbps)_2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.52 mW/g

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

Reference Value = 26.5 V/m; Power Drift = 0.016 dB

Peak SAR (extrapolated) = 3.20 W/kg

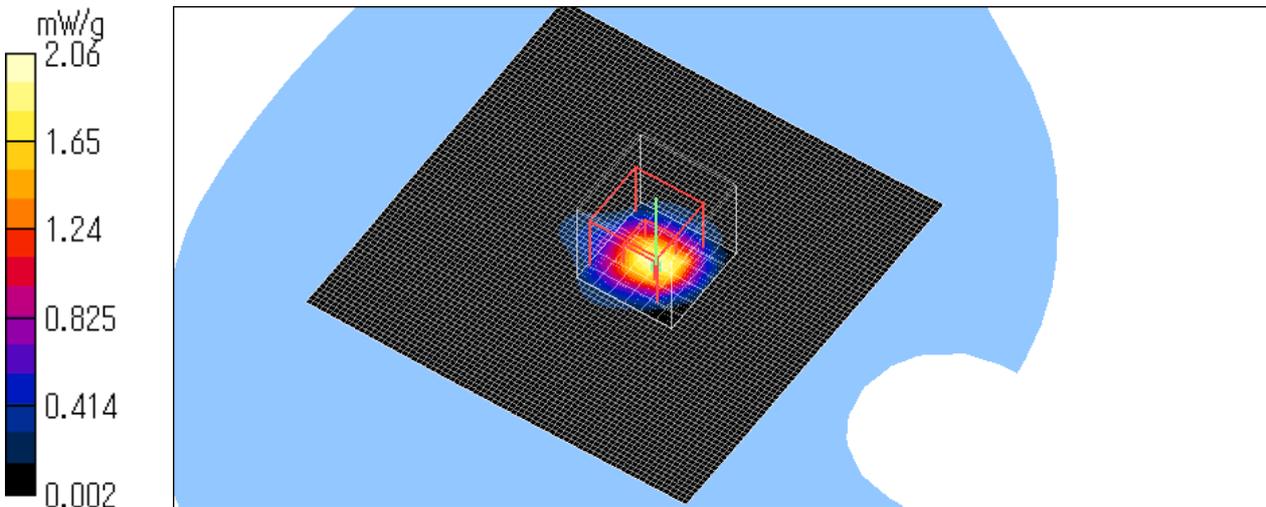
SAR(1 g) = 1.31 mW/g; SAR(10 g) = 0.544 mW/g

Maximum value of SAR (measured) = 2.06 mW/g

Test Date = 11/15/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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Z-axis scan at max SAR location

COM-2_Body_Rear_16QAM(36Mbps)_2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

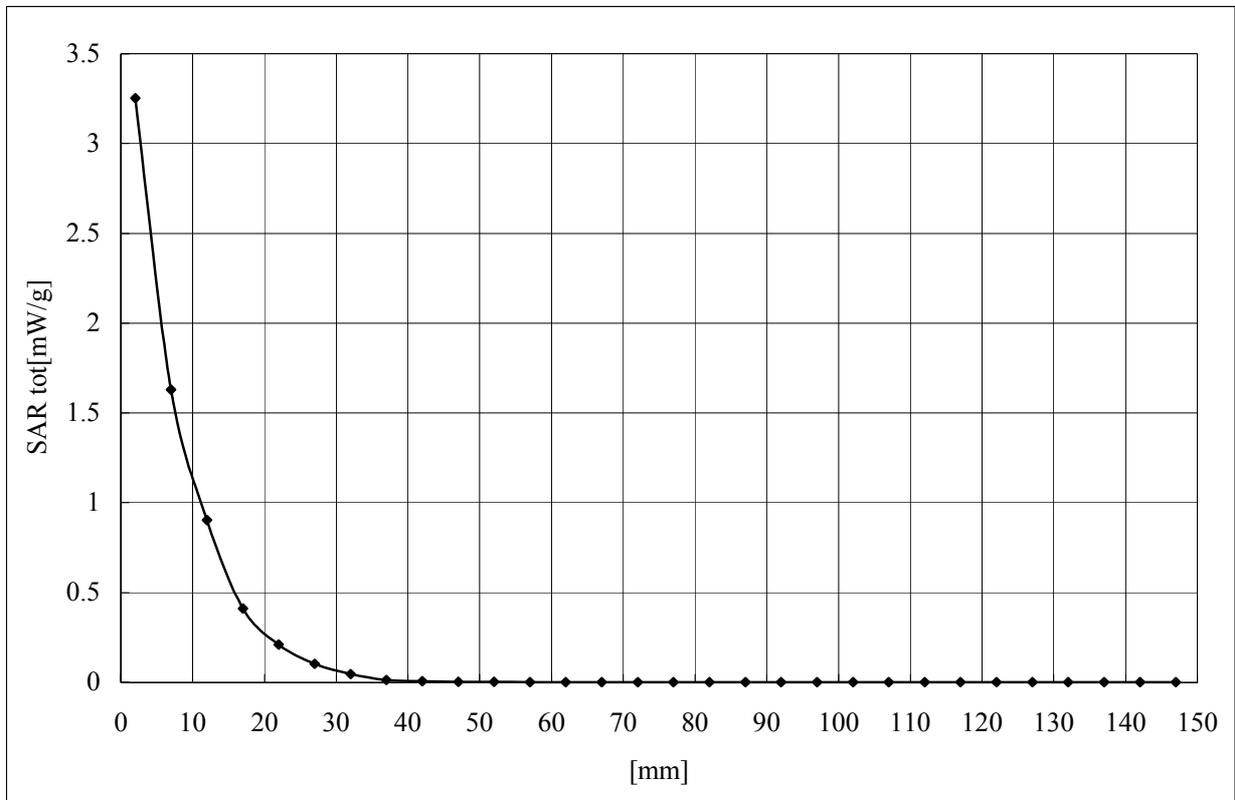
DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160



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COM-2_Body_Rear_16QAM(36Mbps)_2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.05 mW/g

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

Reference Value = 11.7 V/m; Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.74 W/kg

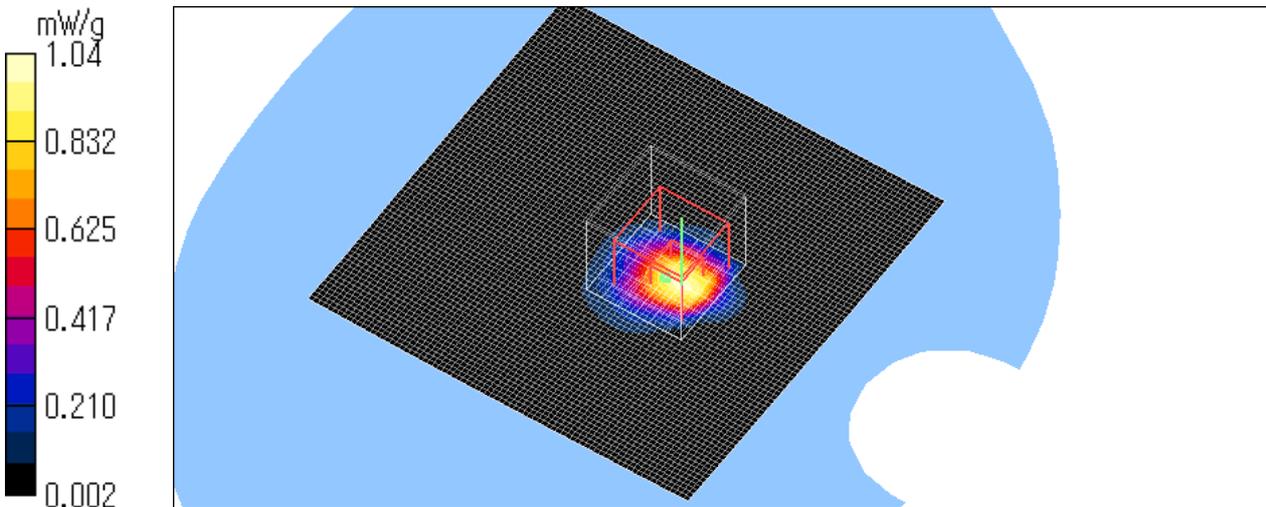
SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 1.04 mW/g

Test Date = 11/15/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.6 degree.C , After 23.6 degree.C



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COM-2_Body_Rear_16QAM(36Mbps)_2412MHz_Separation 5mm

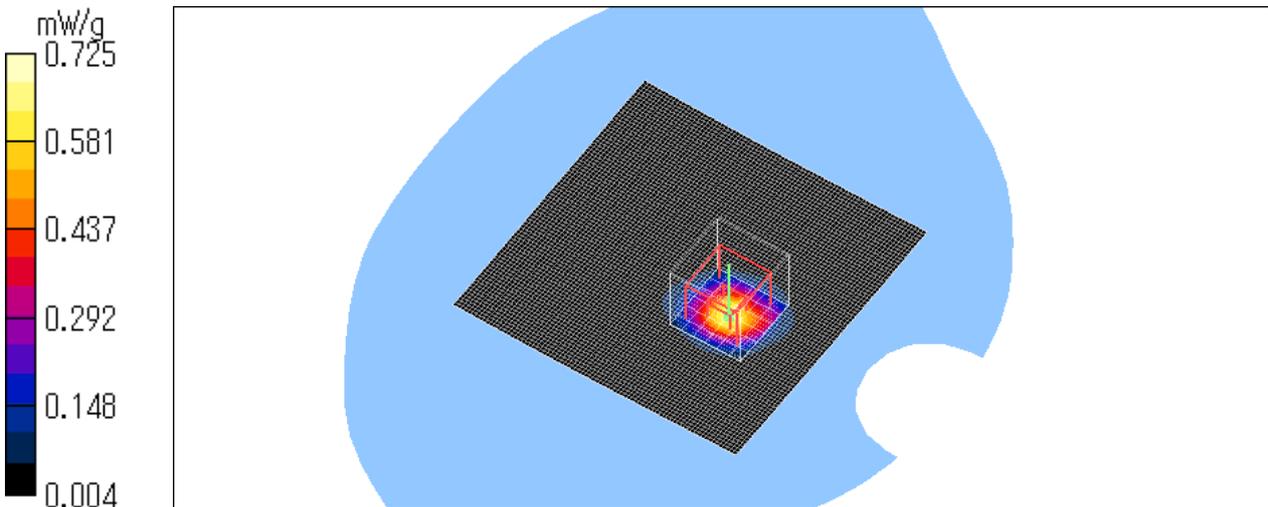
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.890 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 4.59 V/m; Power Drift = 0.175 dB
Peak SAR (extrapolated) = 0.951 W/kg

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.725 mW/g

Test Date = 11/28/07
Ambient Temperature = 24.1degree.c
Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



COM-2_Body_Rear_16QAM(36Mbps)_2412MHz_Separation 10mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 4.21 V/m; Power Drift = 0.172 dB

Peak SAR (extrapolated) = 0.331 W/kg

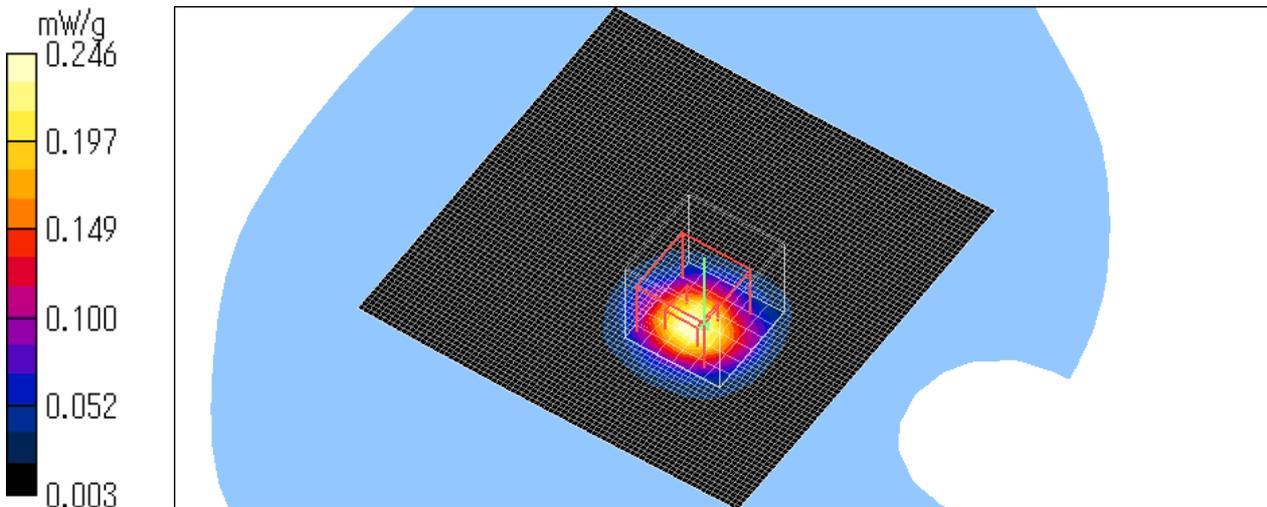
SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.246 mW/g

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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COM-2_Body_Rear_16QAM(36Mbps)_2412MHz_Separation 15mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.94$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.8, 7.8, 7.8); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.143 mW/g

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

Reference Value = 3.44 V/m; Power Drift = 0.097 dB

Peak SAR (extrapolated) = 0.163 W/kg

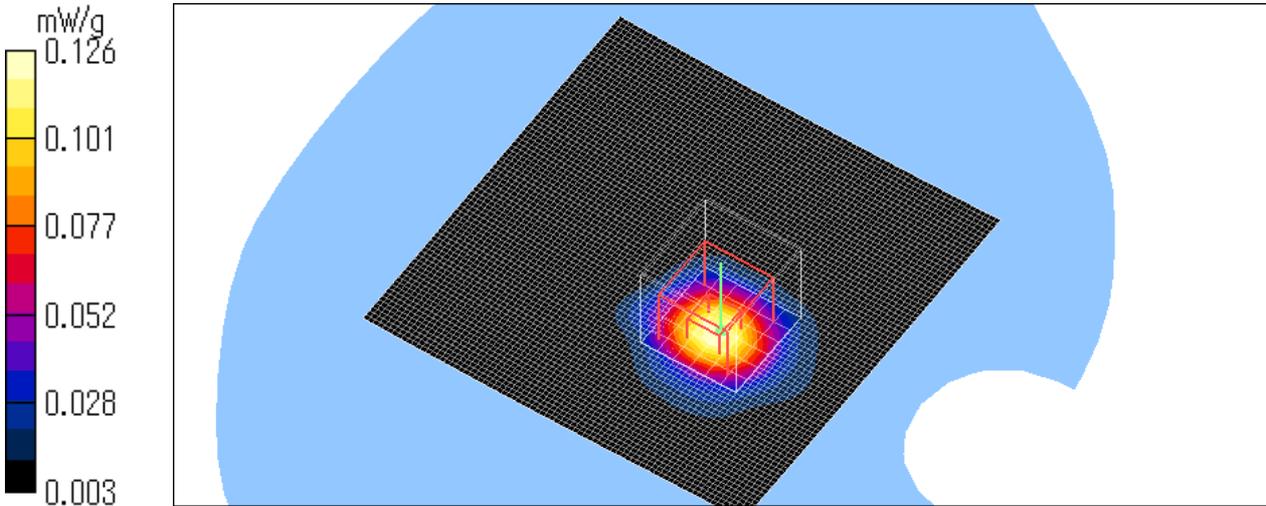
SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.046 mW/g

Maximum value of SAR (measured) = 0.126 mW/g

Test Date = 11/28/07

Ambient Temperature = 24.1degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.5 degree.C



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3. Measurement data (Head SAR 2450MHz)

COM-2_Head_Right tilt_CCK(11Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 1.51 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.008 W/kg

SAR(1 g) = 0.0038 mW/g; SAR(10 g) = 0.00229 mW/g

Maximum value of SAR (measured) = 0.006 mW/g

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

Reference Value = 1.51 V/m; Power Drift = -0.186 dB

Peak SAR (extrapolated) = 0.014 W/kg

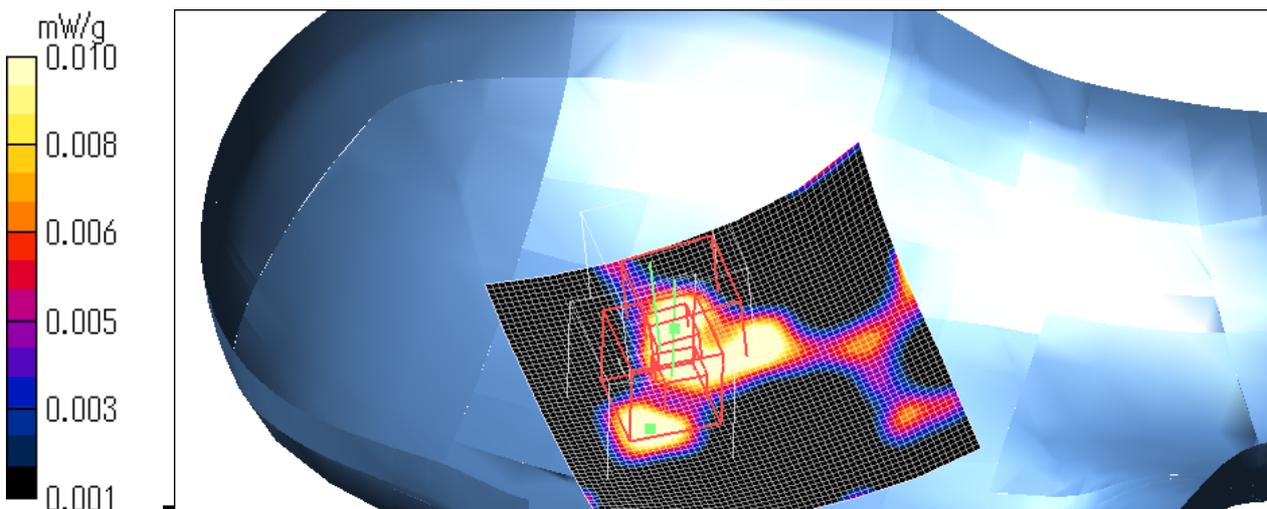
SAR(1 g) = 0.00609 mW/g; SAR(10 g) = 0.00369 mW/g

Maximum value of SAR (measured) = 0.010 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Head_Right cheek_CCK(11Mbps)_2437MHz

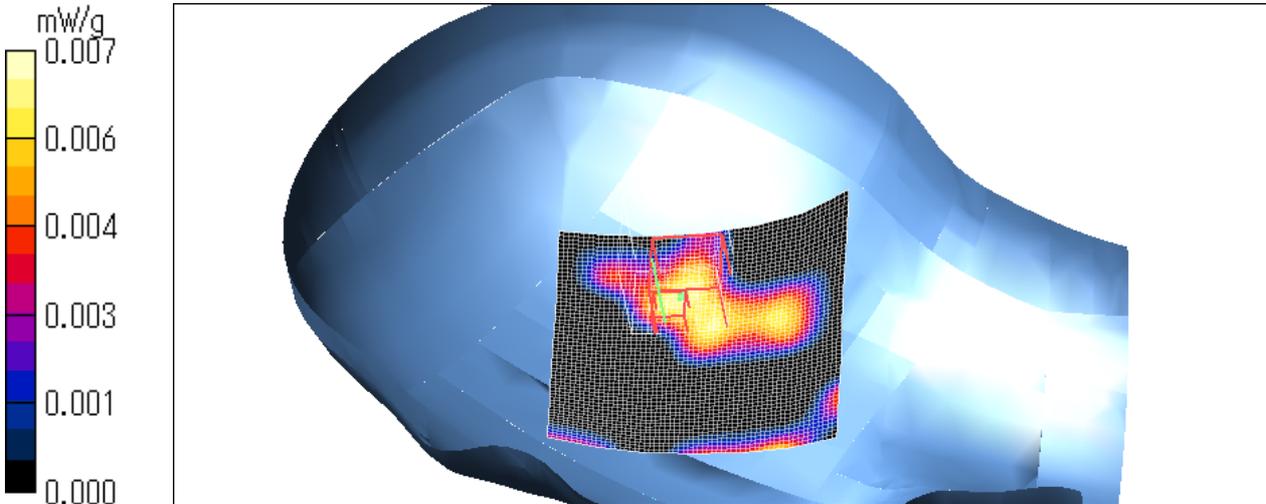
Crest factor: 1
Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³
Phantom section: Right Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.007 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.28 V/m; Power Drift = -0.130 dB
Peak SAR (extrapolated) = 0.013 W/kg

SAR(1 g) = 0.00335 mW/g; SAR(10 g) = 0.00198 mW/g
Maximum value of SAR (measured) = 0.007 mW/g

Test Date = 11/29/07
Ambient Temperature = 23.9degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Head_Left tilt_CCK(11Mbps)_2437MHz

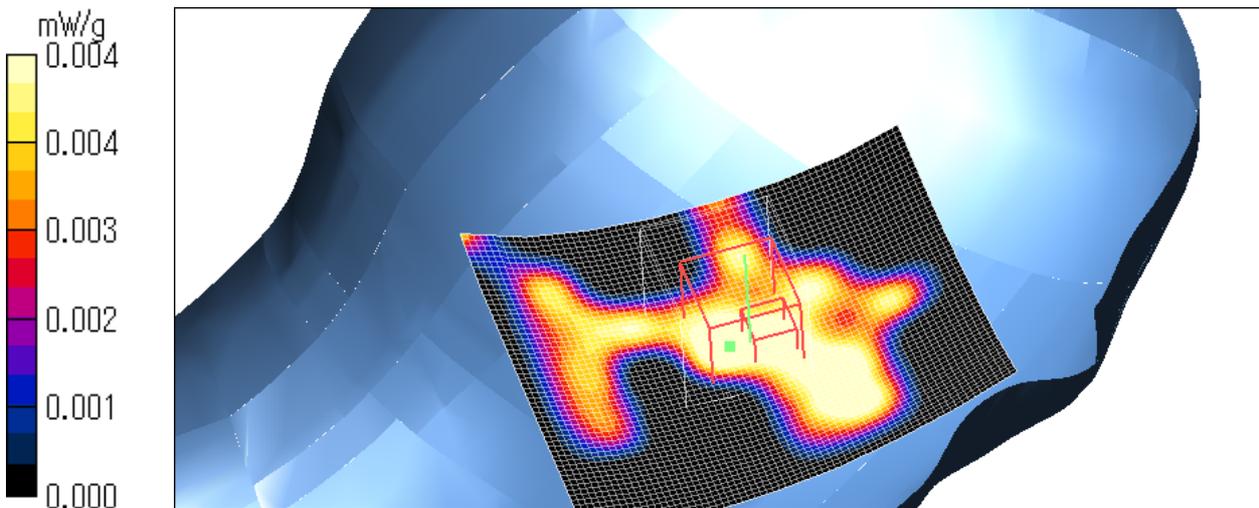
Crest factor: 1
Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

/Area Scan (71x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.006 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 1.31 V/m; Power Drift = -0.111 dB
Peak SAR (extrapolated) = 0.009 W/kg

SAR(1 g) = 0.00291 mW/g; SAR(10 g) = 0.00145 mW/g
Maximum value of SAR (measured) = 0.004 mW/g

Test Date = 11/29/07
Ambient Temperature = 23.9degree.c
Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



COM-2_Head_Leftcheek_CCK(11Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 1.28 V/m; Power Drift = -0.174 dB

Peak SAR (extrapolated) = 0.010 W/kg

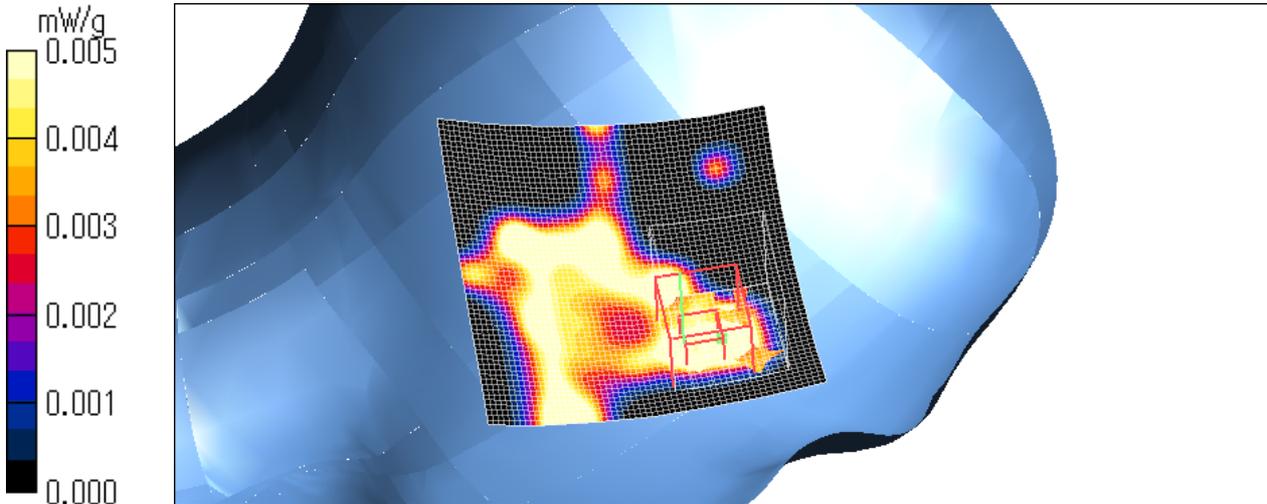
SAR(1 g) = 0.0038 mW/g; SAR(10 g) = 0.00188 mW/g

Maximum value of SAR (measured) = 0.005 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Head_Right tilt_CCK(11Mbps)_2412MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.013 mW/g

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

Reference Value = 2.10 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.017 W/kg

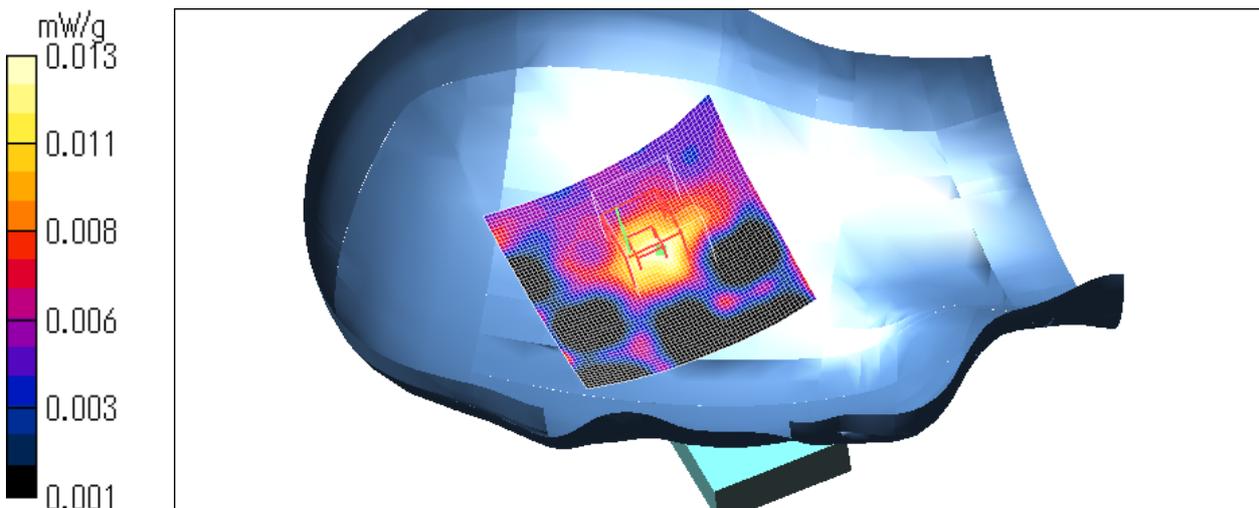
SAR(1 g) = 0.00976 mW/g; SAR(10 g) = 0.00582 mW/g

Maximum value of SAR (measured) = 0.013 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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Z-axis scan at max SAR location

COM-2_Head_Right tilt_CCK(11Mbps)_2412MHz

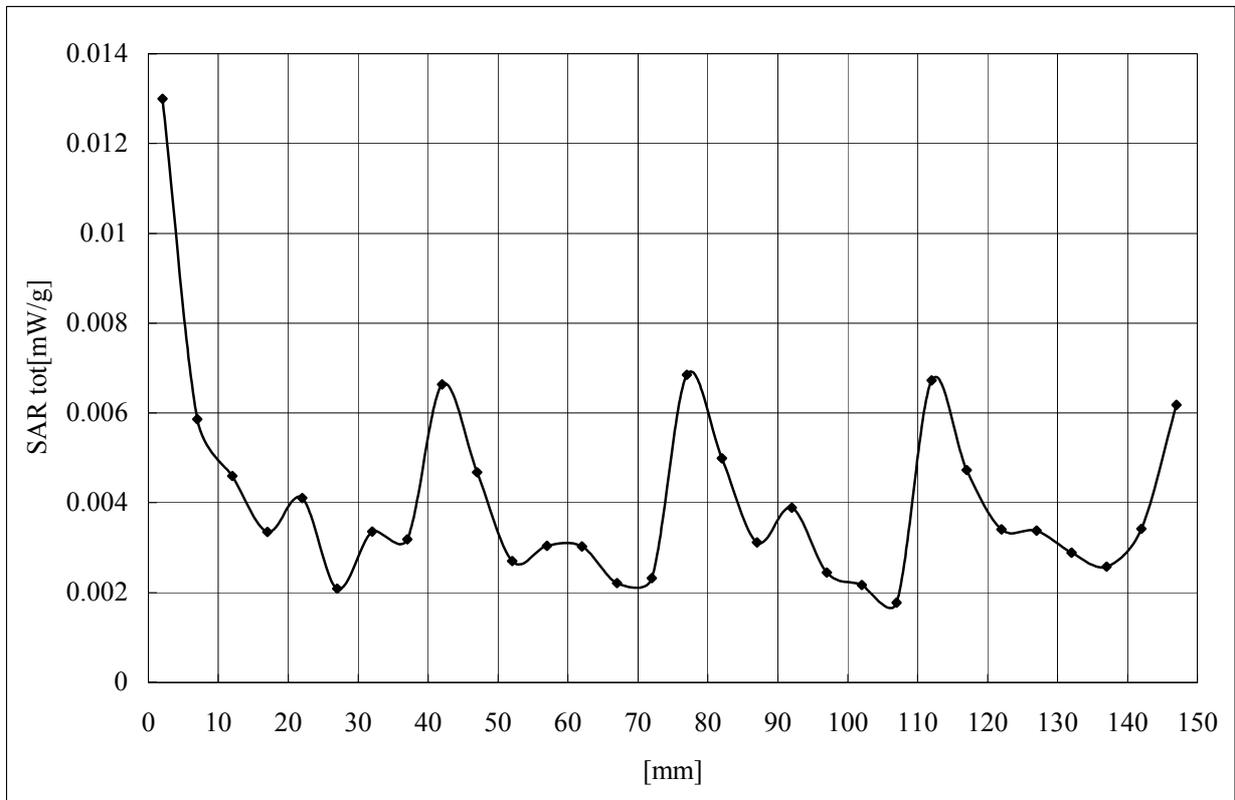
Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160



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COM-2_Head_Right tilt_CCK(11Mbps)_2462MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.023 mW/g

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

Reference Value = 1.72 V/m; Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.015 W/kg

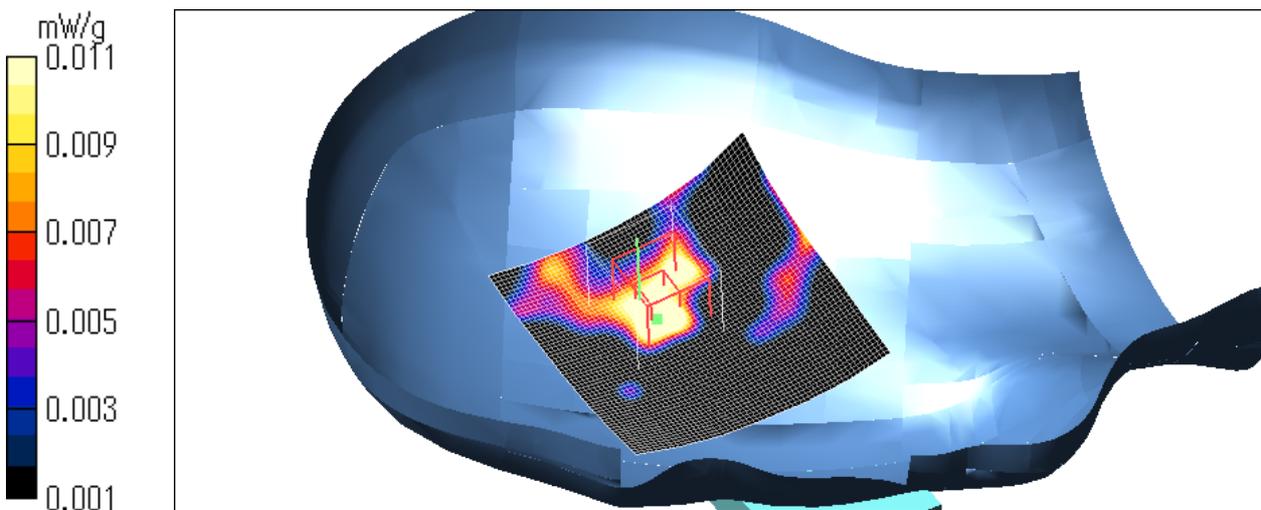
SAR(1 g) = 0.0074 mW/g; SAR(10 g) = 0.00475 mW/g

Maximum value of SAR (measured) = 0.011 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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COM-2_Head_Right tilt_BPSK(6Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.021 mW/g

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

Reference Value = 1.88 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.019 W/kg

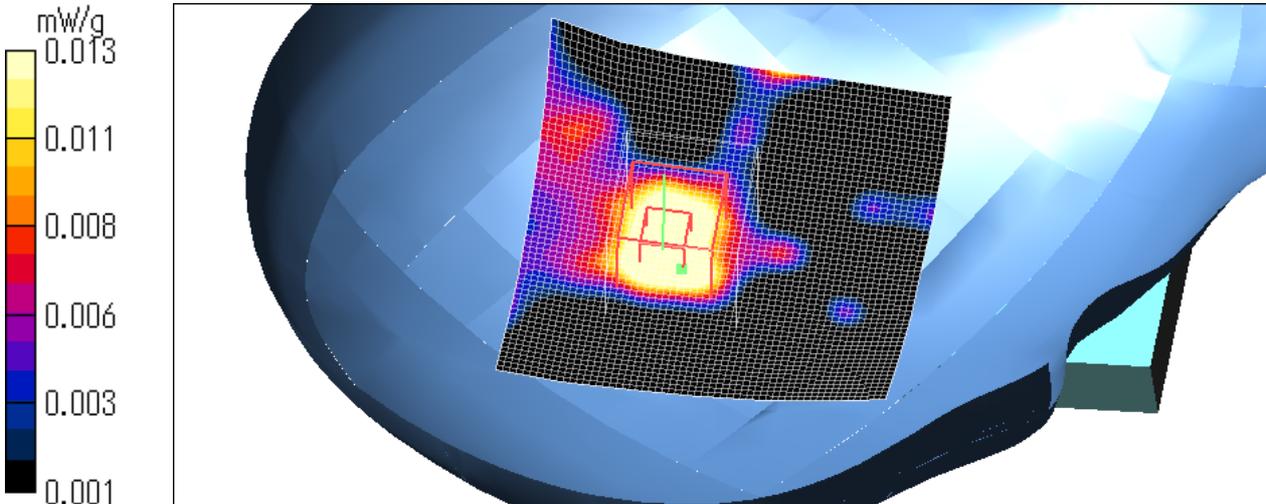
SAR(1 g) = 0.00966 mW/g; SAR(10 g) = 0.00578 mW/g

Maximum value of SAR (measured) = 0.013 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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COM-2_Head_Right tilt_QPSK(12Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.025 mW/g

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

Reference Value = 1.93 V/m; Power Drift = -0.123 dB

Peak SAR (extrapolated) = 0.017 W/kg

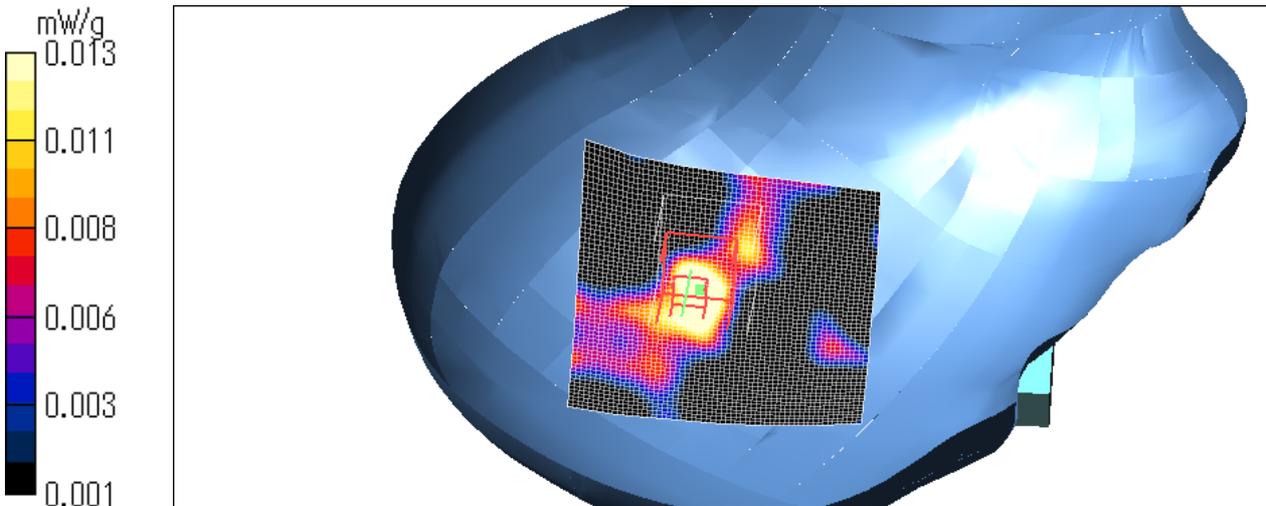
SAR(1 g) = 0.0086 mW/g; SAR(10 g) = 0.0053 mW/g

Maximum value of SAR (measured) = 0.013 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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COM-2_Head_Right tilt_16QAM(36Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 1.69 V/m; Power Drift = -0.143 dB

Peak SAR (extrapolated) = 0.018 W/kg

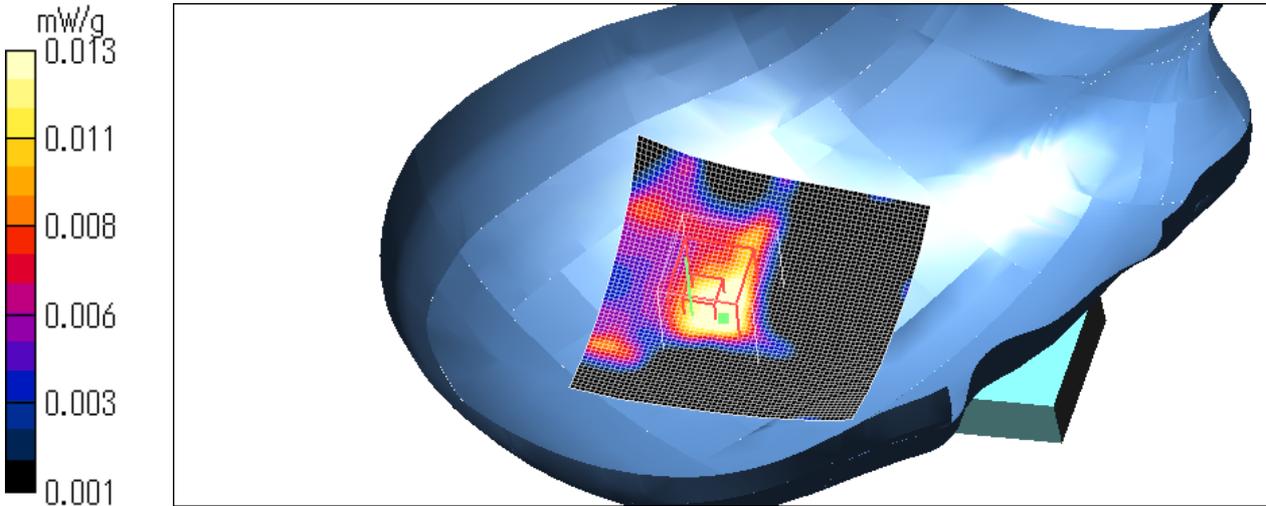
SAR(1 g) = 0.00881 mW/g; SAR(10 g) = 0.00527 mW/g

Maximum value of SAR (measured) = 0.013 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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COM-2_Head_Right tilt_64QAM(48Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.022 mW/g

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

Reference Value = 1.68 V/m; Power Drift = -0.135 dB

Peak SAR (extrapolated) = 0.014 W/kg

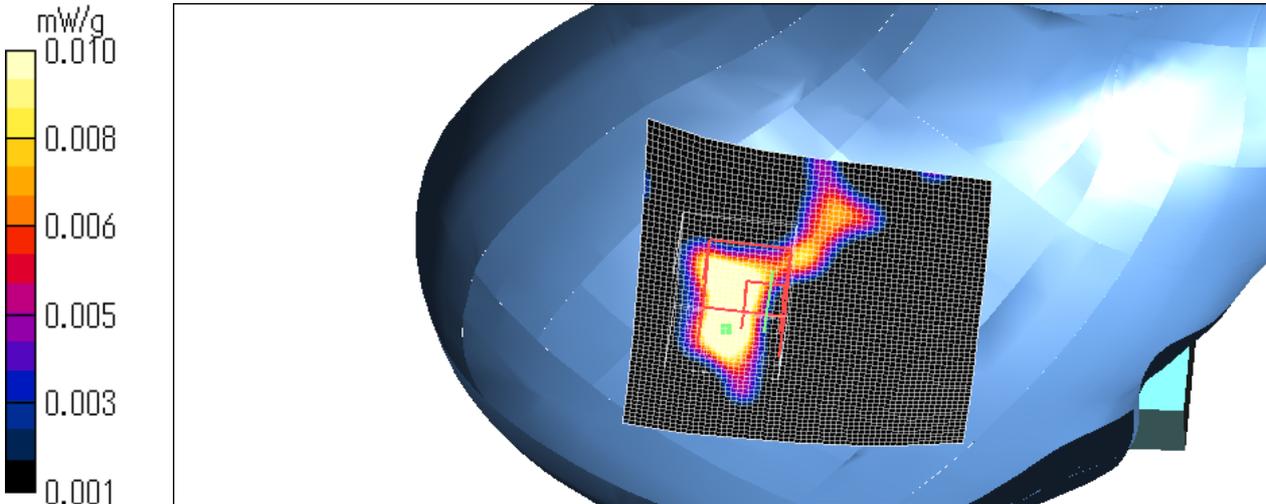
SAR(1 g) = 0.00683 mW/g; SAR(10 g) = 0.00388 mW/g

Maximum value of SAR (measured) = 0.010 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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COM-2_Head_Right cheek_BPSK(6Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 1.68 V/m; Power Drift = -0.134 dB

Peak SAR (extrapolated) = 0.010 W/kg

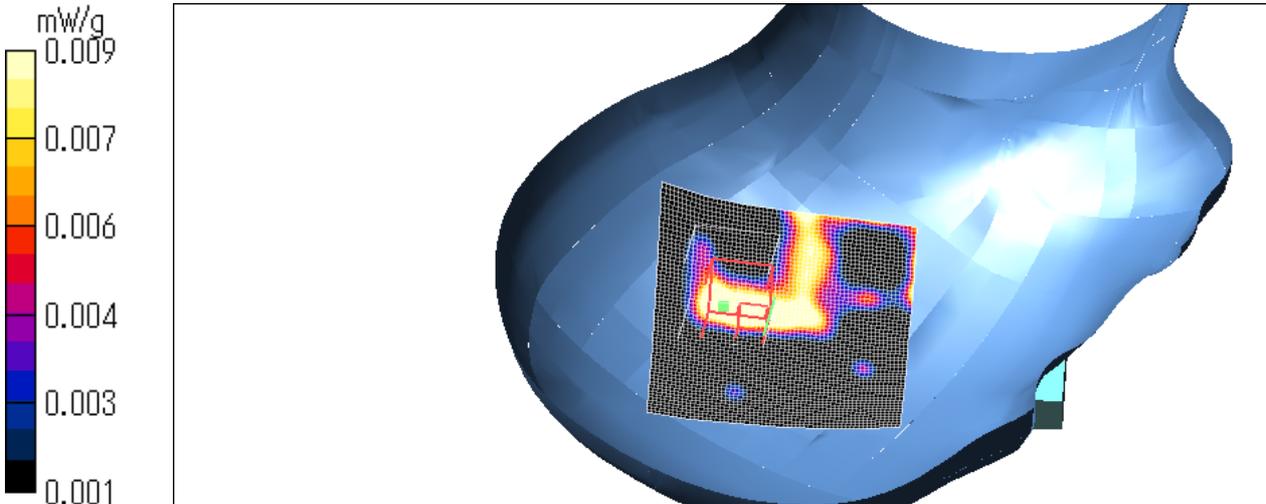
SAR(1 g) = 0.00641 mW/g; SAR(10 g) = 0.00402 mW/g

Maximum value of SAR (measured) = 0.009 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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COM-2_Head_Left tilt_BPSK(6Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (71x61x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 1.49 V/m; Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.011 W/kg

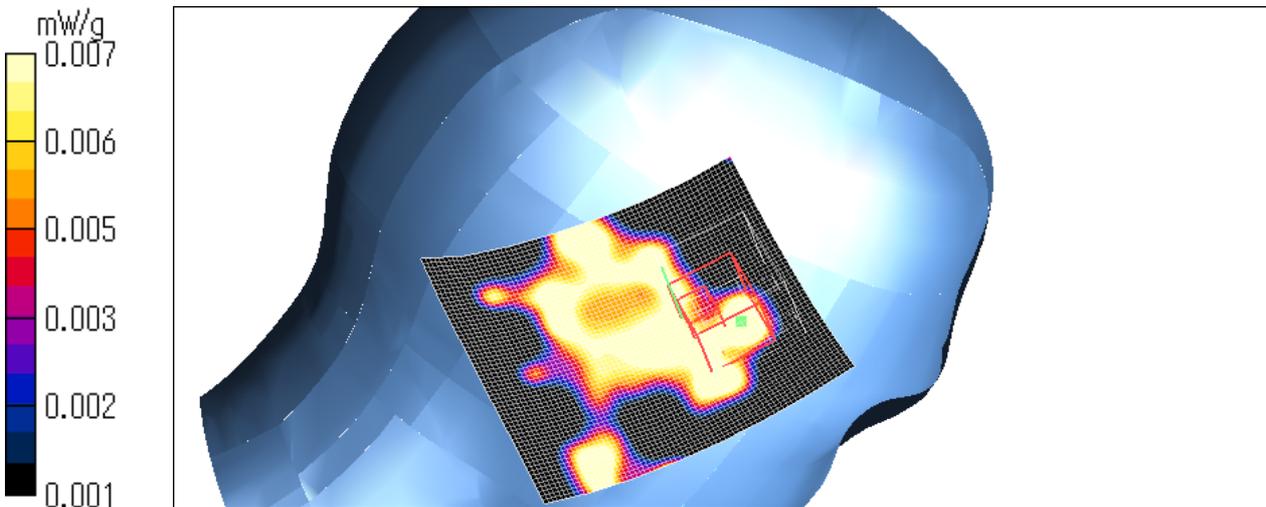
SAR(1 g) = 0.0045 mW/g; SAR(10 g) = 0.00337 mW/g

Maximum value of SAR (measured) = 0.007 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.1 degree.C



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COM-2_Head_Left cheek_BPSK(6Mbps)_2437MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.012 mW/g

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

Reference Value = 1.74 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.020 W/kg

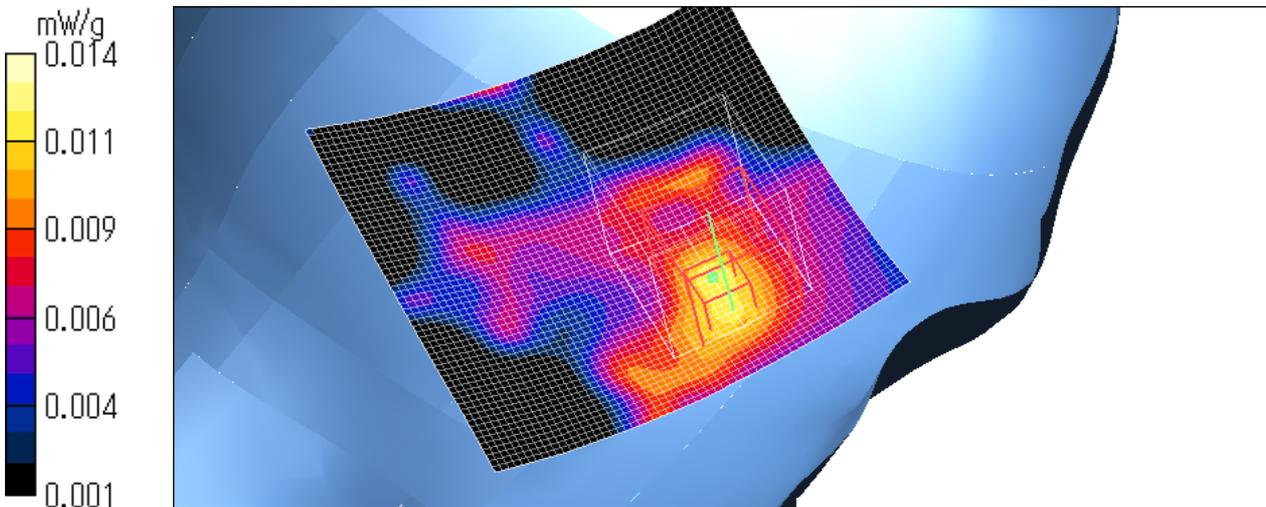
SAR(1 g) = 0.00997 mW/g; SAR(10 g) = 0.00558 mW/g

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

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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COM-2_Head_Left cheek_BPSK(6Mbps)_2412MHz

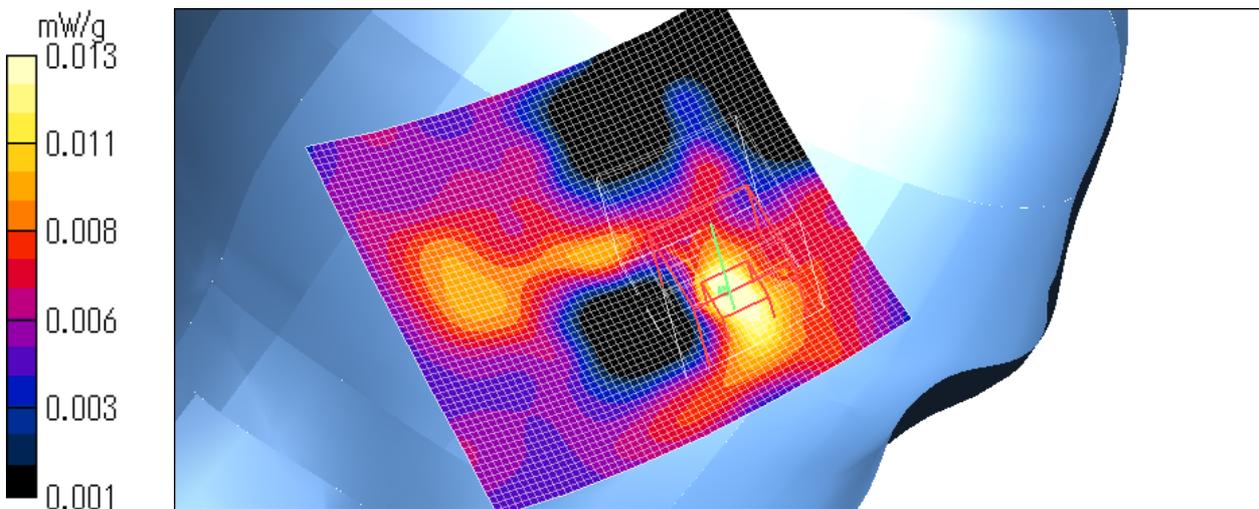
Crest factor: 1
Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³
Phantom section: Left Section
DASY4 Configuration:
- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: SAM 1196
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.016 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 2.34 V/m; Power Drift = -0.170 dB
Peak SAR (extrapolated) = 0.017 W/kg

SAR(1 g) = 0.00918 mW/g; SAR(10 g) = 0.00555 mW/g
Maximum value of SAR (measured) = 0.013 mW/g

Test Date = 11/29/07
Ambient Temperature = 23.9degree.c
Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



COM-2_Head_Left cheek_BPSK(6Mbps)_2462MHz

Crest factor: 1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.89$ mho/m; $\epsilon_r = 37.4$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3540; ConvF(7.76, 7.76, 7.76); Calibrated: 2007/01/19

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Phantom: SAM 1196

- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.011 mW/g

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

Reference Value = 1.74 V/m; Power Drift = -0.192 dB

Peak SAR (extrapolated) = 0.010 W/kg

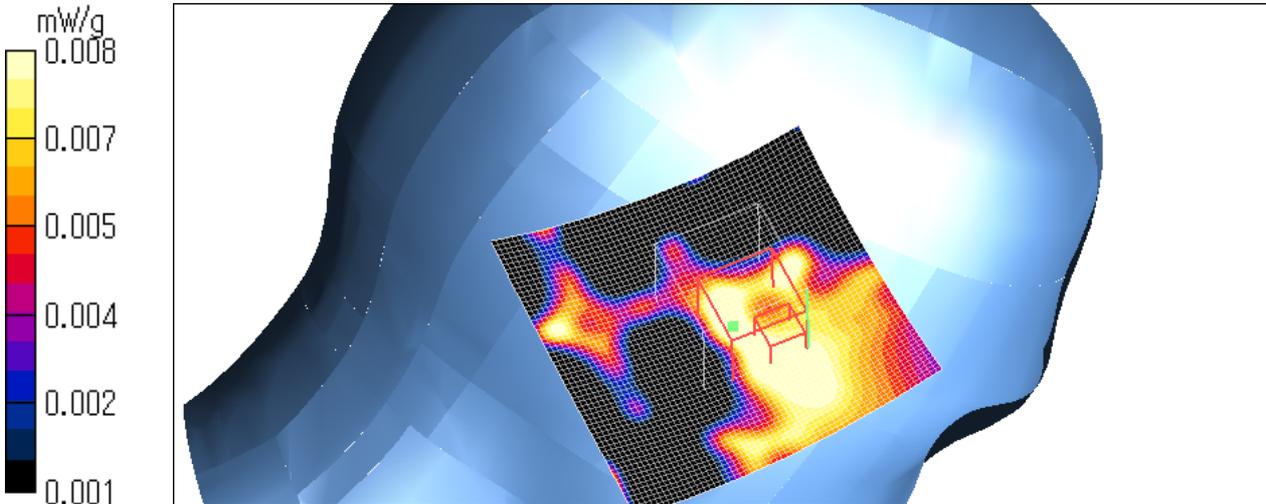
SAR(1 g) = 0.00569 mW/g; SAR(10 g) = 0.00362 mW/g

Maximum value of SAR (measured) = 0.008 mW/g

Test Date = 11/29/07

Ambient Temperature = 23.9degree.c

Liquid Temperature = Before 23.3 degree.C , After 23.3 degree.C



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