

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 ear point or 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 head or 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 10 mm x 10 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 25.2mm x 25.2mm x 21mm was assessed by measuring 7 x 7 x 8 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.

2. Head measurement data

KX-TGA600 / Left Head / Cheek / Ant.1 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 2.68 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.194 W/kg

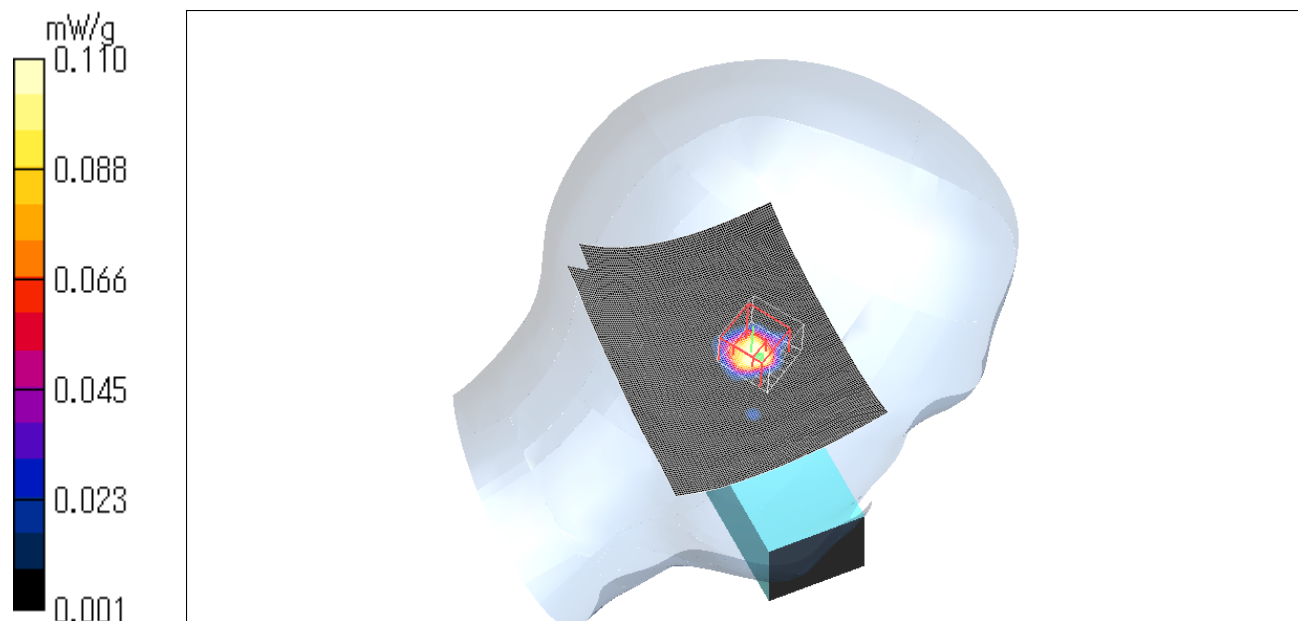
SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.110 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



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KX-TGA600 / Left Head / Tilt / Ant.1 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 33.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.127 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 2.59 V/m ; Power Drift = 0.230 dB

Peak SAR (extrapolated) = 0.166 W/kg

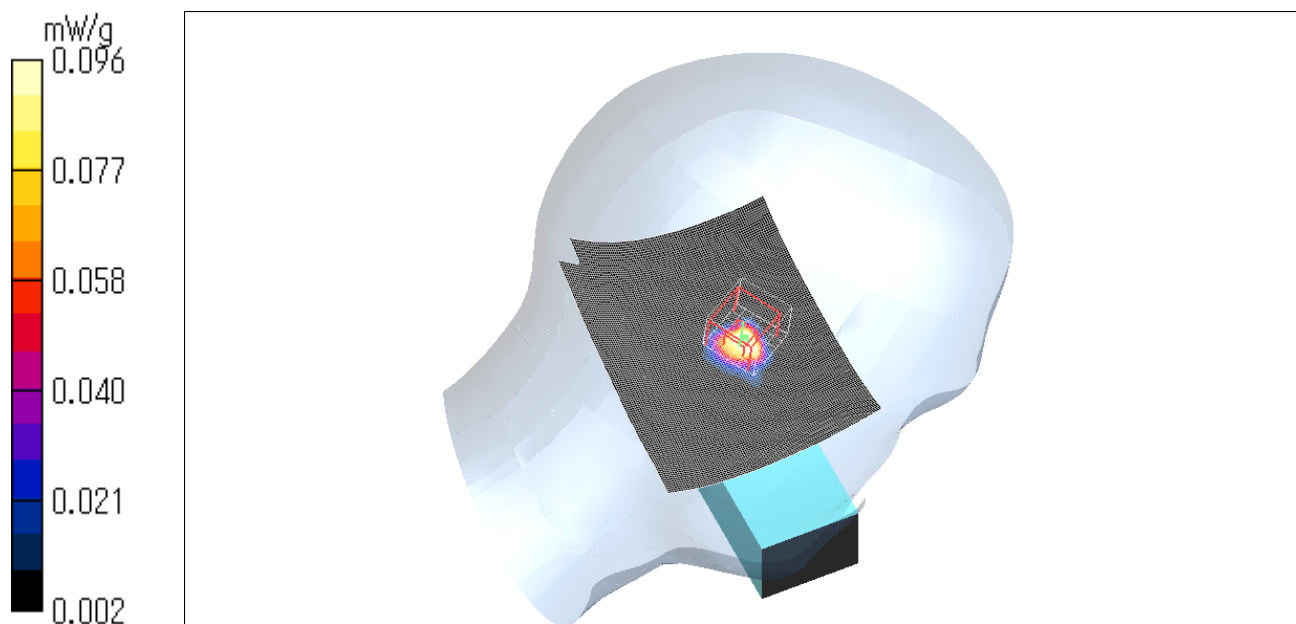
SAR(1 g) = 0.047 mW/g ; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.096 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



KX-TGA600 / Right Head /Cheek / Ant.1 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 2.72 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 0.228 W/kg

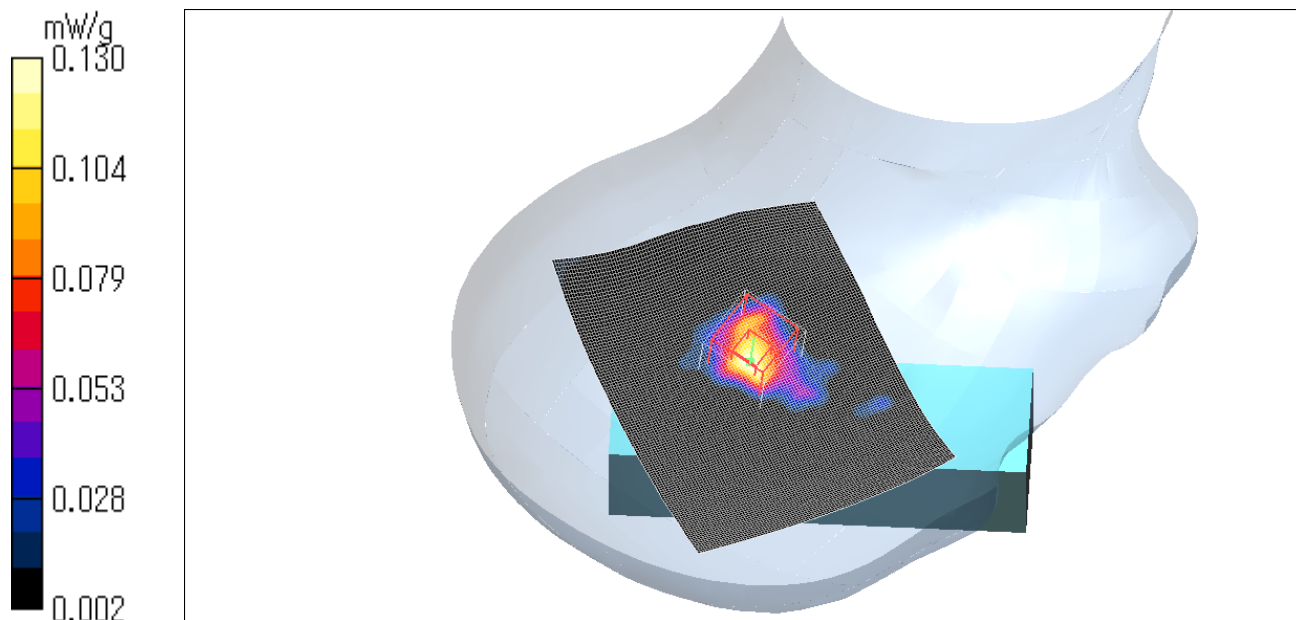
SAR(1 g) = 0.066 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.130 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.6 degree C. , After 24.6 degree C.



KX-TGA600 / Right Head / Tilt / Ant.1 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.117 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.62 V/m; Power Drift = 0.176 dB

Peak SAR (extrapolated) = 0.193 W/kg

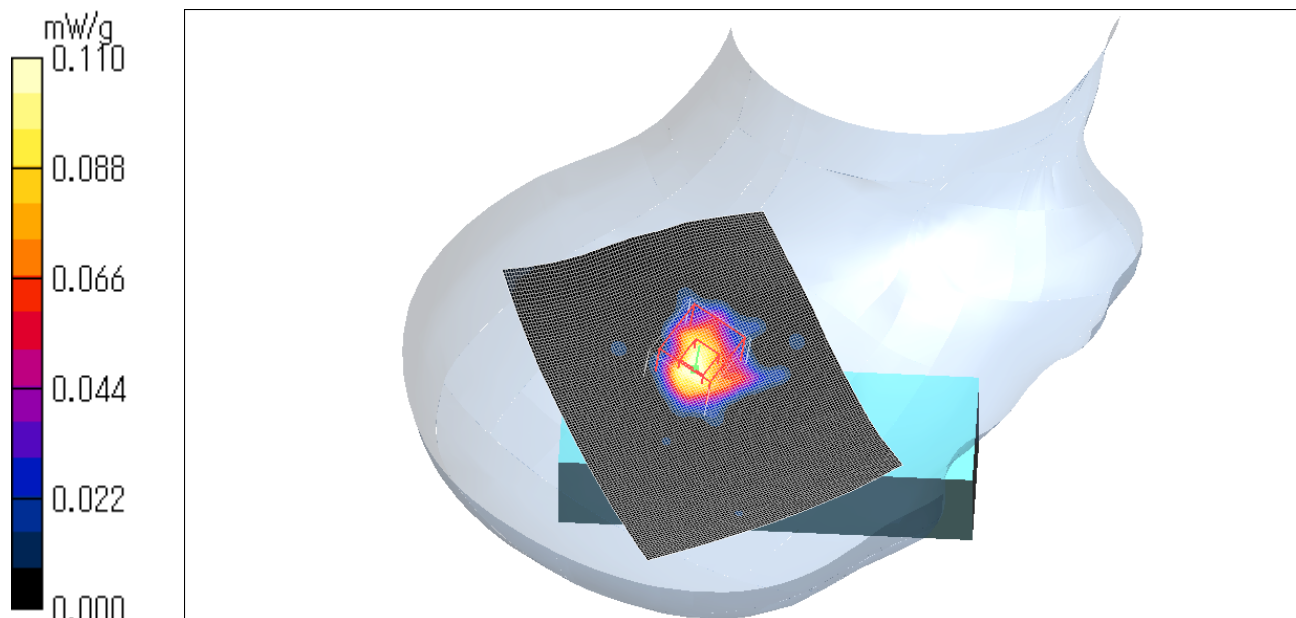
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.110 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.6 degree C. , After 24.6 degree C.



KX-TGA600 / Left Head /Cheek / Ant.2 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 33.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.106 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 2.03 V/m; Power Drift = 0.163 dB

Peak SAR (extrapolated) = 0.220 W/kg

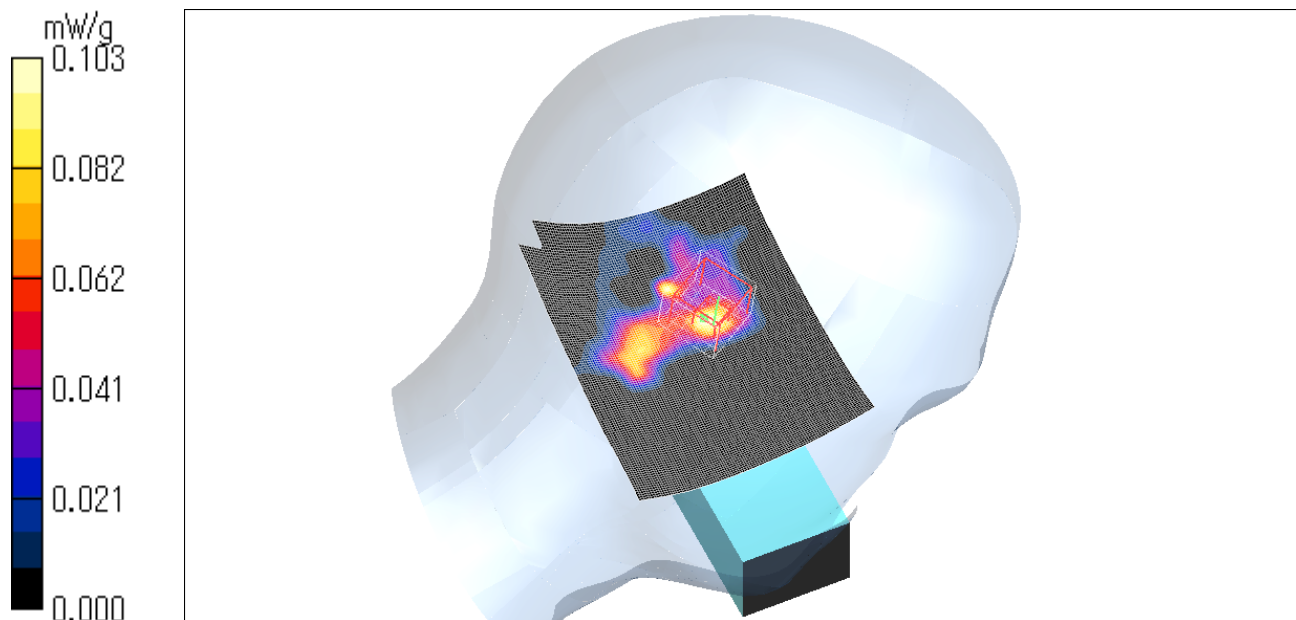
SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.103 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.6 degree C. , After 24.6 degree C.



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KX-TGA600 / Left tilt /Tilt / Ant.2 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.169 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.16 V/m; Power Drift = 0.182 dB

Peak SAR (extrapolated) = 0.162 W/kg

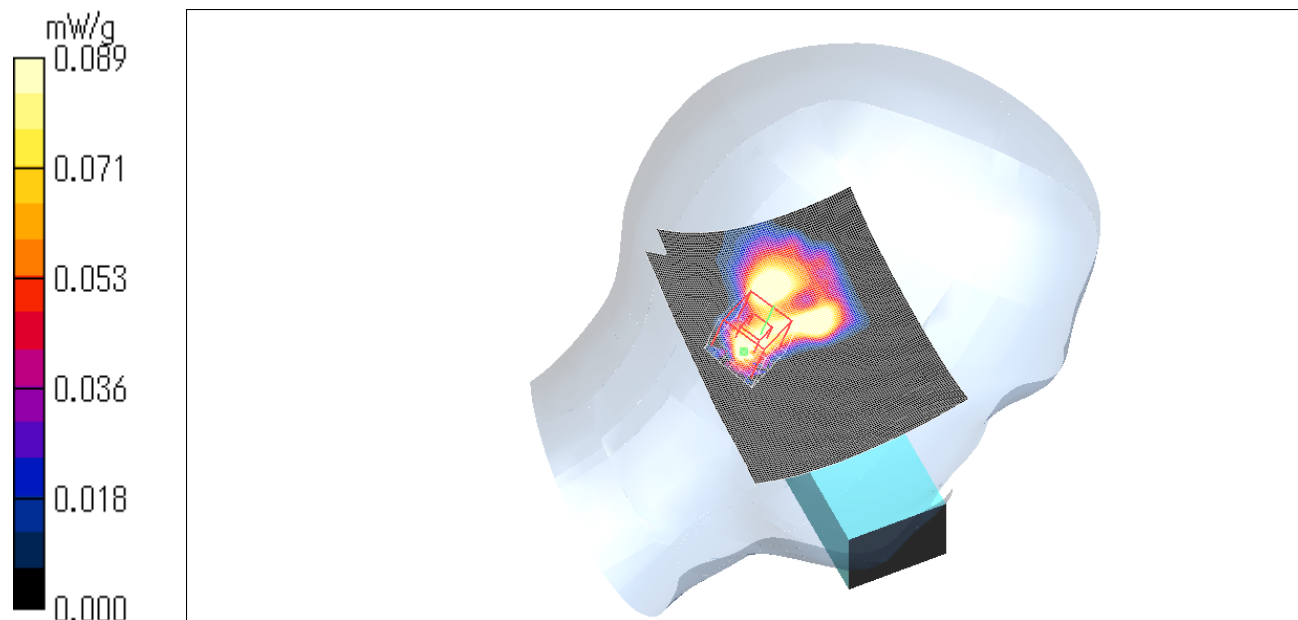
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.089 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.6 degree C. , After 24.6 degree C.



KX-TGA600 / Right Head /Cheek / Ant.2 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.115 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.12 V/m; Power Drift = 0.224 dB

Peak SAR (extrapolated) = 0.228 W/kg

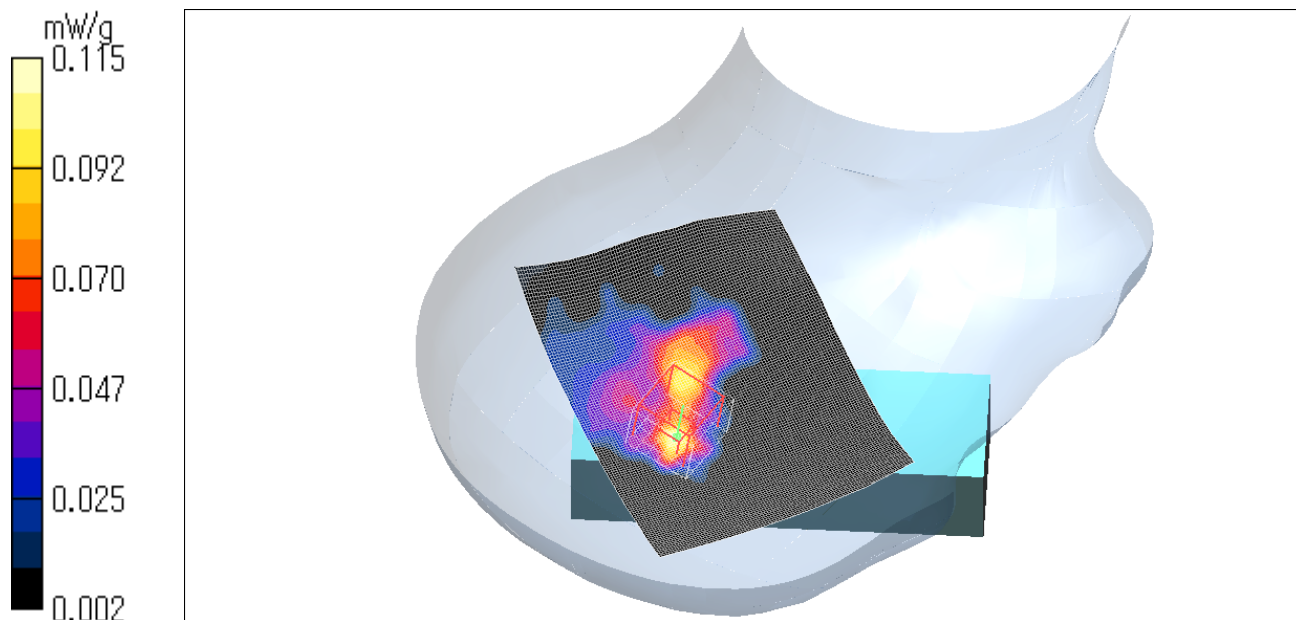
SAR(1 g) = 0.057 mW/g; SAR(10 g) = 0.022 mW/g

Maximum value of SAR (measured) = 0.115 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



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KX-TGA600 / Right Head / Tilt / Ant.2 / 44ch(5798.053MHz)

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.142 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.17 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 0.304 W/kg

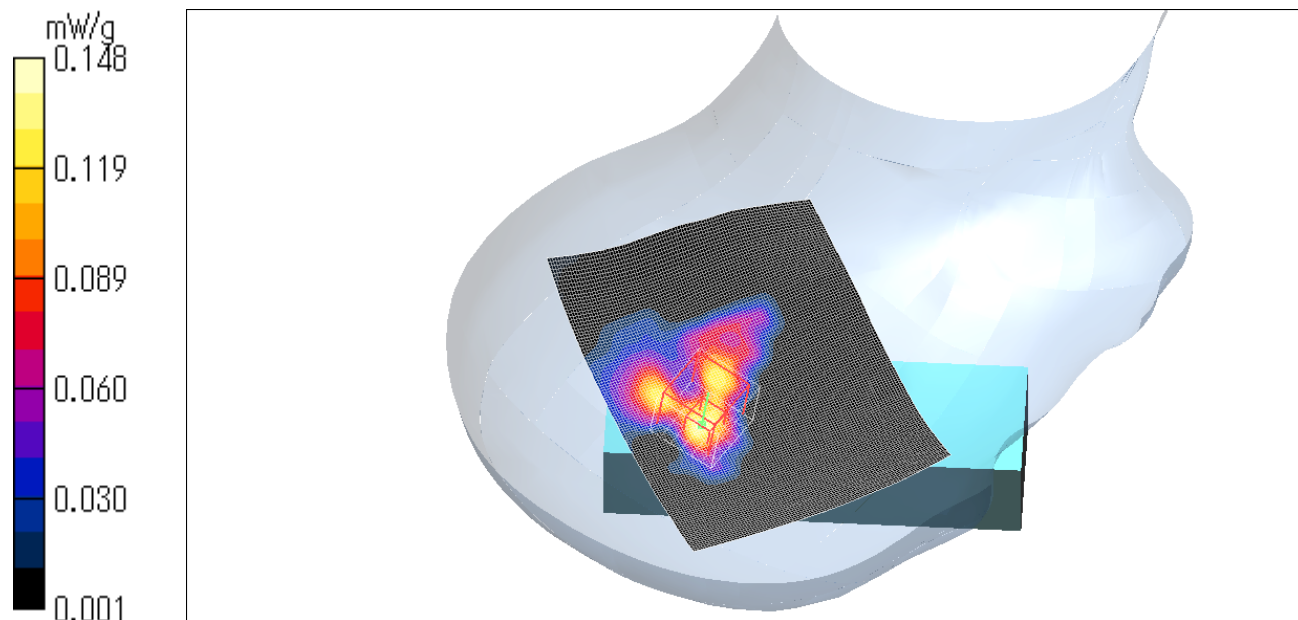
SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.148 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



KX-TGA600 / Right Head / Tilt / Ant.2 / 1ch(5759.7024MHz)

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 5.49 \text{ mho/m}$; $\epsilon_r = 33.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.184 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 1.87 V/m ; Power Drift = -0.112 dB

Peak SAR (extrapolated) = 0.378 W/kg

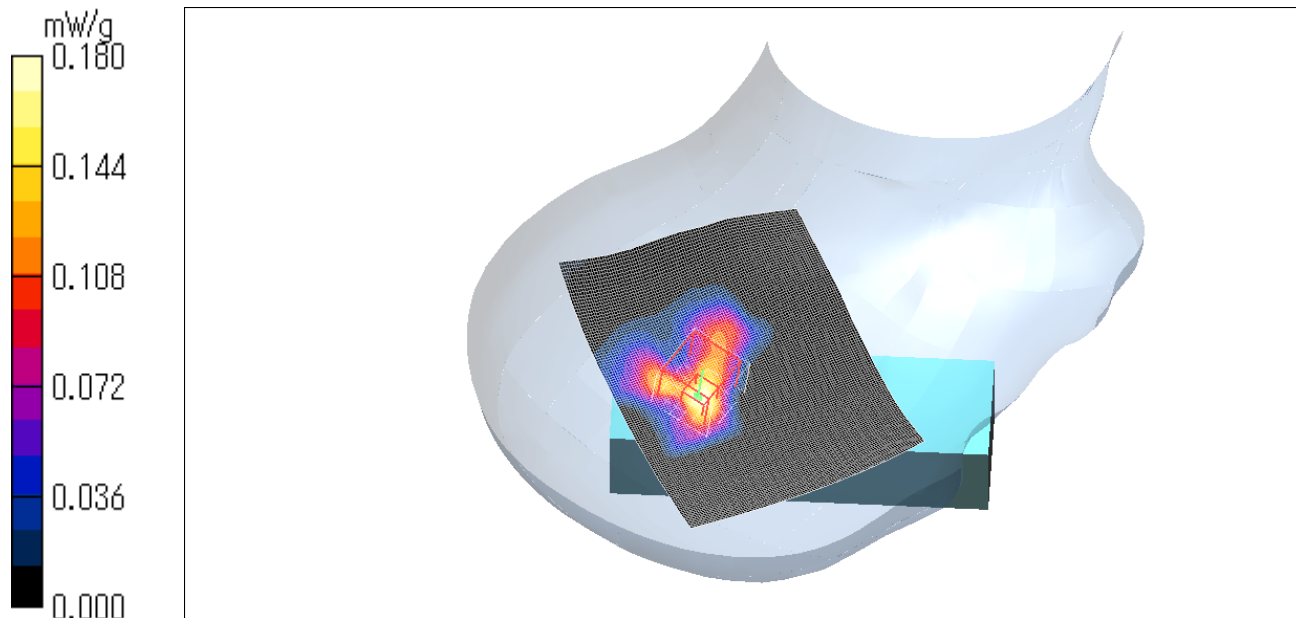
SAR(1 g) = 0.090 mW/g ; SAR(10 g) = 0.033 mW/g

Maximum value of SAR (measured) = 0.180 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



KX-TGA600 / Right Head / Tilt / Ant.2 / 89ch / 5838.187MHz

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 5.49$ mho/m; $\epsilon_r = 33.7$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (101x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.141 mW/g

Zoom Scan (7x7x8)/Cube 0: Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm

Reference Value = 2.43 V/m; Power Drift = -0.213 dB

Peak SAR (extrapolated) = 0.186 W/kg

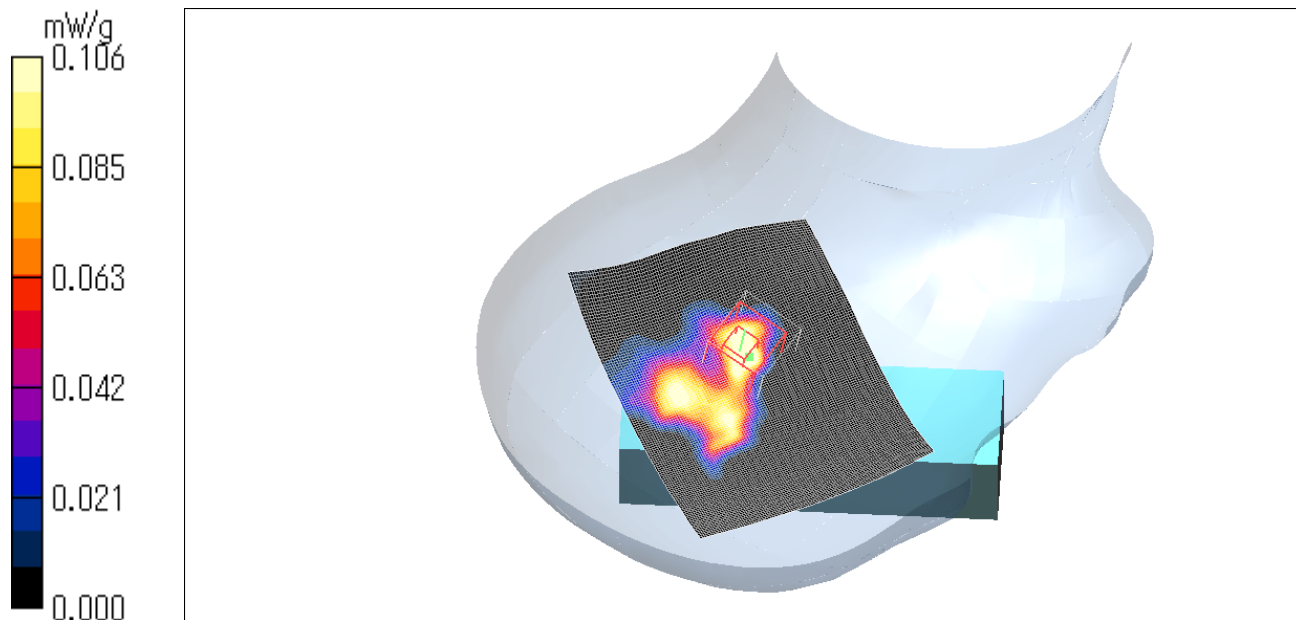
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.021 mW/g

Maximum value of SAR (measured) = 0.106 mW/g

Test Date = 10/04/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



3. Body measurement data

KX-TGA600 / Body / Front / Ant.1 / 44ch / 5798.053MHz

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.19$ mho/m; $\epsilon_r = 46$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (81x101x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

Maximum value of SAR (interpolated) = 0.167 mW/g

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3$ mm, $dy=4.3$ mm, $dz=3$ mm

Reference Value = 0.946 V/m; Power Drift = -0.210 dB

Peak SAR (extrapolated) = 0.264 W/kg

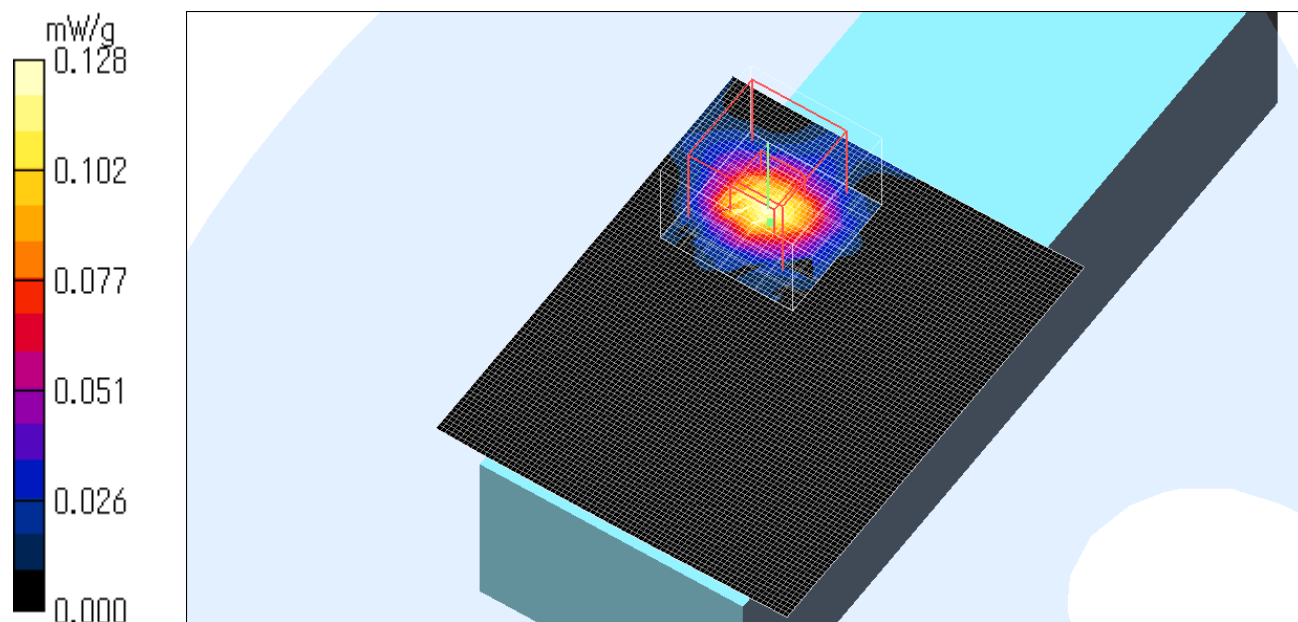
SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.128 mW/g

Test Date = 10/05/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.8 degree C. , After 24.8 degree C.



KX-TGA600 / Body / Back / Ant.1 / 44ch / 5798.053MHz

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.19 \text{ mho/m}$; $\epsilon_r = 46$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 0.949 V/m ; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.019 mW/g ; SAR(10 g) = 0.00656 mW/g

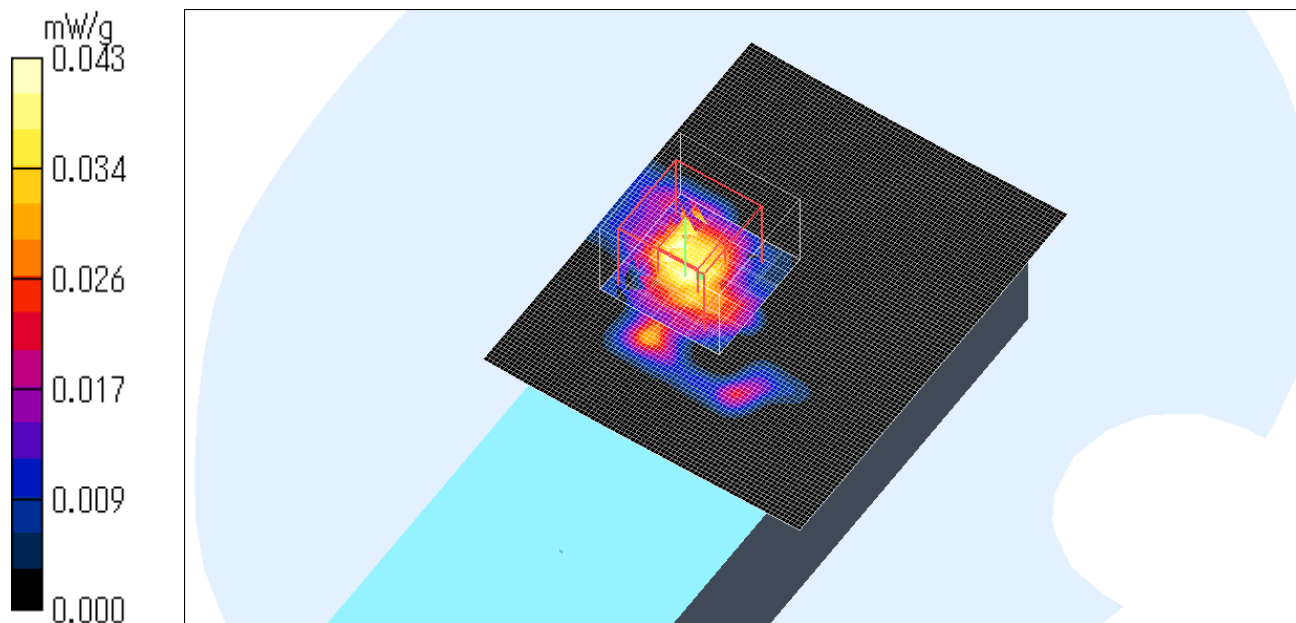
Maximum value of SAR (interpolated) = 0.066 mW/g

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

Test Date = 10/05/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.8 degree C. , After 24.8 degree C.



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KX-TGA600 / Body / Front / Ant.2 / 44ch / 5798.053MHz

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.19 \text{ mho/m}$; $\epsilon_r = 46$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.180 mW/g

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.03 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.321 W/kg

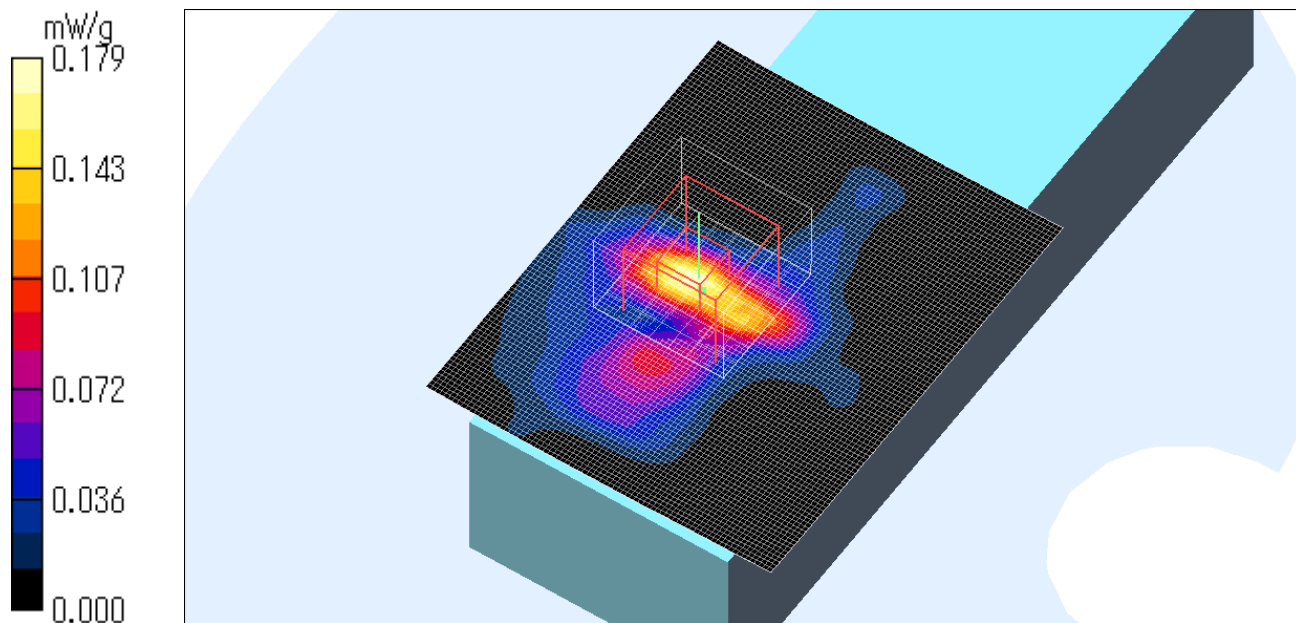
SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.179 mW/g

Test Date = 10/05/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



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KX-TGA600 / Body / Back / Ant.2 / 44ch / 5798.053MHz

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.19 \text{ mho/m}$; $\epsilon_r = 46$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.679 mW/g

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 4.44 V/m ; Power Drift = -0.229 dB

Peak SAR (extrapolated) = 1.42 W/kg

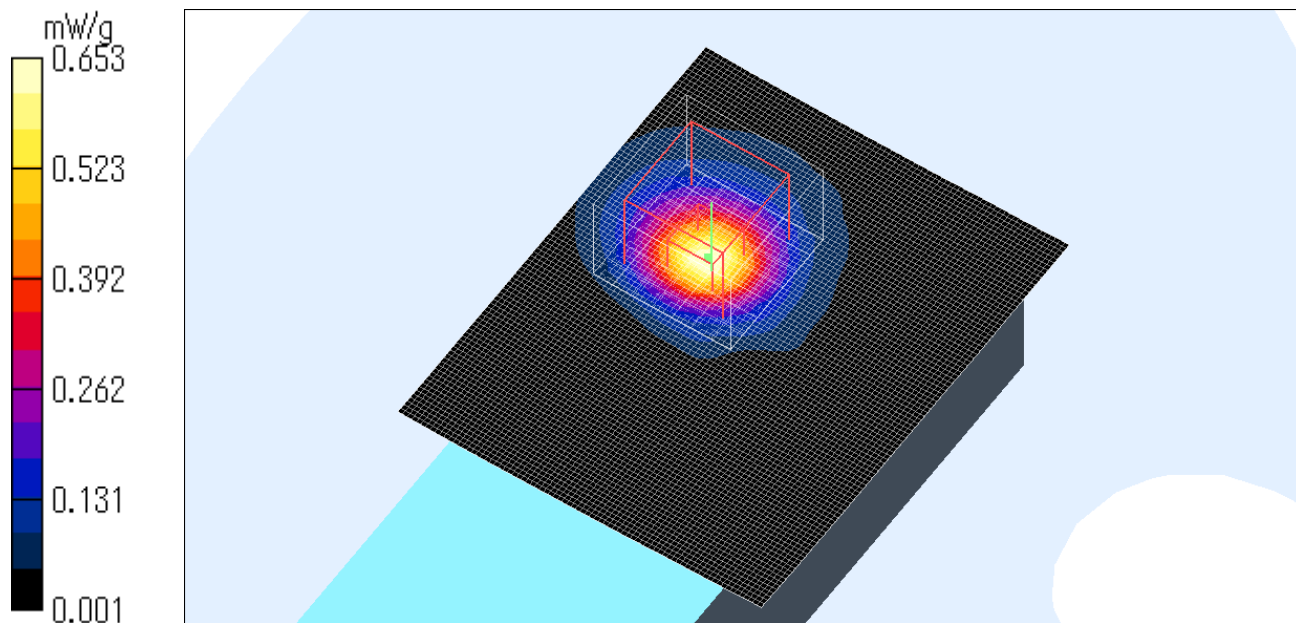
SAR(1 g) = 0.340 mW/g ; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.653 mW/g

Test Date = 10/05/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



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KX-TGA600 / Body / Back / Ant.2 / 1ch / 5759.702MHz

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.19 \text{ mho/m}$; $\epsilon_r = 46$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 8.64 V/m; Power Drift = 0.021 dB

Peak SAR (extrapolated) = 2.78 W/kg

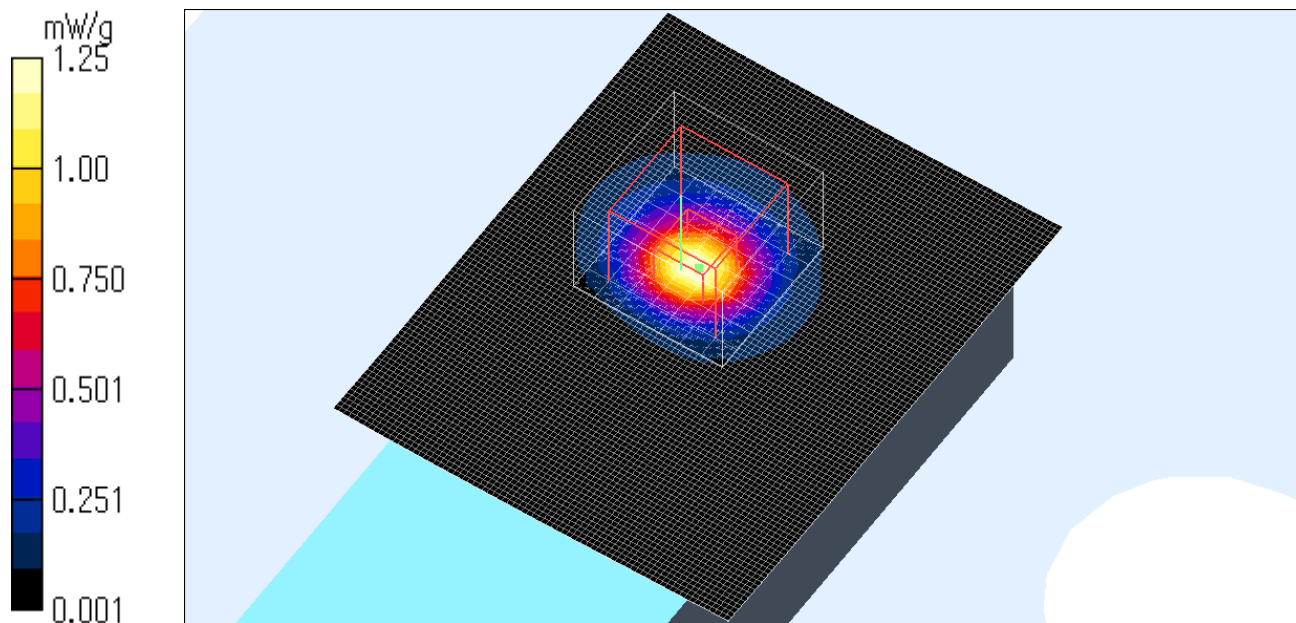
SAR(1 g) = 0.639 mW/g; SAR(10 g) = 0.194 mW/g

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

Test Date = 10/05/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



Z-axis scan at max SAR location

KX-TGA600 / Body / Back / Ant.2 / 1ch / 5759.702MHz

Crest factor: 5

Medium parameters used: $f = 5800$ MHz; $\sigma = 6.19$ mho/m; $\epsilon_r = 46$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

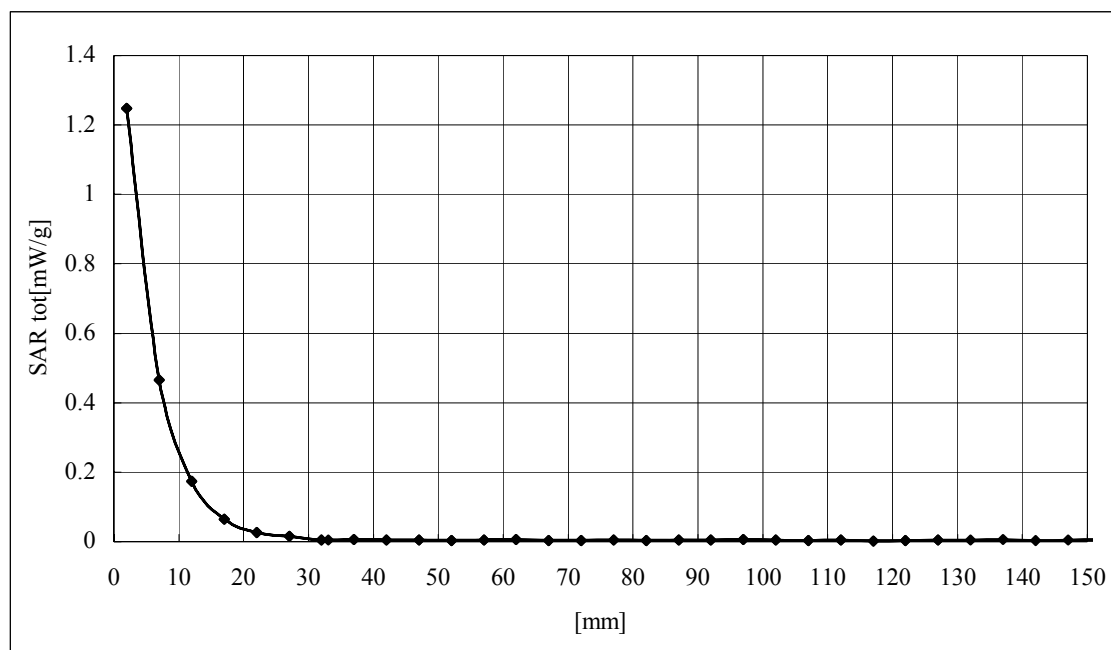
Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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



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KX-TGA600 / Body / Back / Ant.2 / 89ch / 5838.187MHz

Crest factor: 5

Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.19 \text{ mho/m}$; $\epsilon_r = 46$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY4 (High Precision Assessment)

DASY4 Configuration:

Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn509; Calibrated: 2006/06/15

Phantom: SAM 1196

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

Area Scan (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.798 mW/g

Zoom Scan (8x8x8)/Cube 0: Measurement grid: $dx=4.3\text{mm}$, $dy=4.3\text{mm}$, $dz=3\text{mm}$

Reference Value = 5.69 V/m ; Power Drift = 0.090 dB

Peak SAR (extrapolated) = 1.72 W/kg

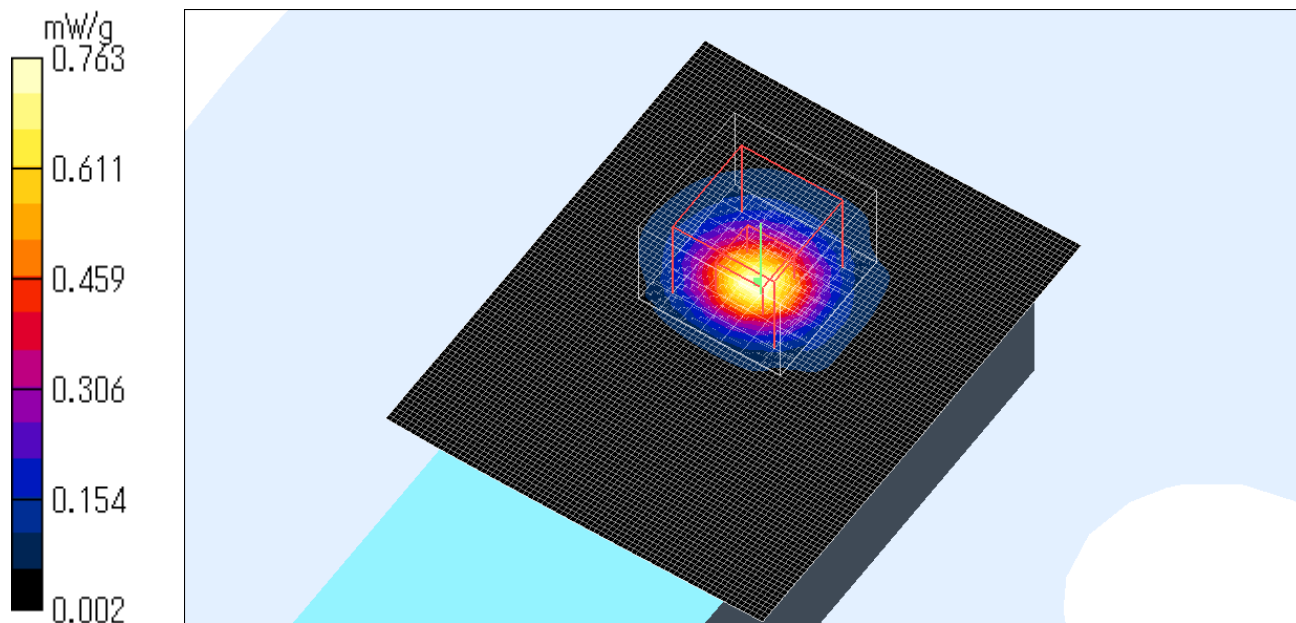
SAR(1 g) = 0.388 mW/g ; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.763 mW/g

Test Date = 10/05/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.5 degree C. , After 24.5 degree C.



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