

**APPENDIX 3 : 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 25.8mm x 25.8mm 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 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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MF060a (01.06.05)

## 2. Measurement data

### BCL-D10 / Left head / Cheek position / 71ch (5788.240269MHz)

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 34.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.082 mW/g

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

Reference Value = 2.21 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 0.400 W/kg

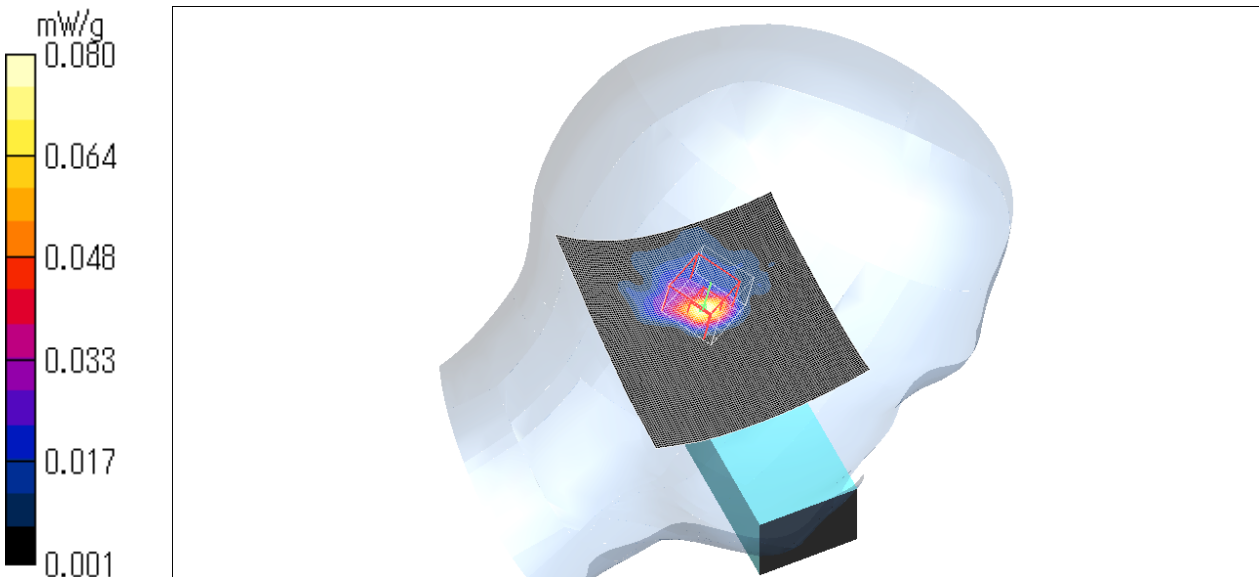
**SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.080 mW/g

Test Date = 07/04/06

Ambient Temperature = 24.2 degree C.

Liquid Temperature = Before 24.0 degree C. , After 24.0 degree C.



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**BCL-D10 / Left head / Tilt position / 71ch (5788.240269MHz)**

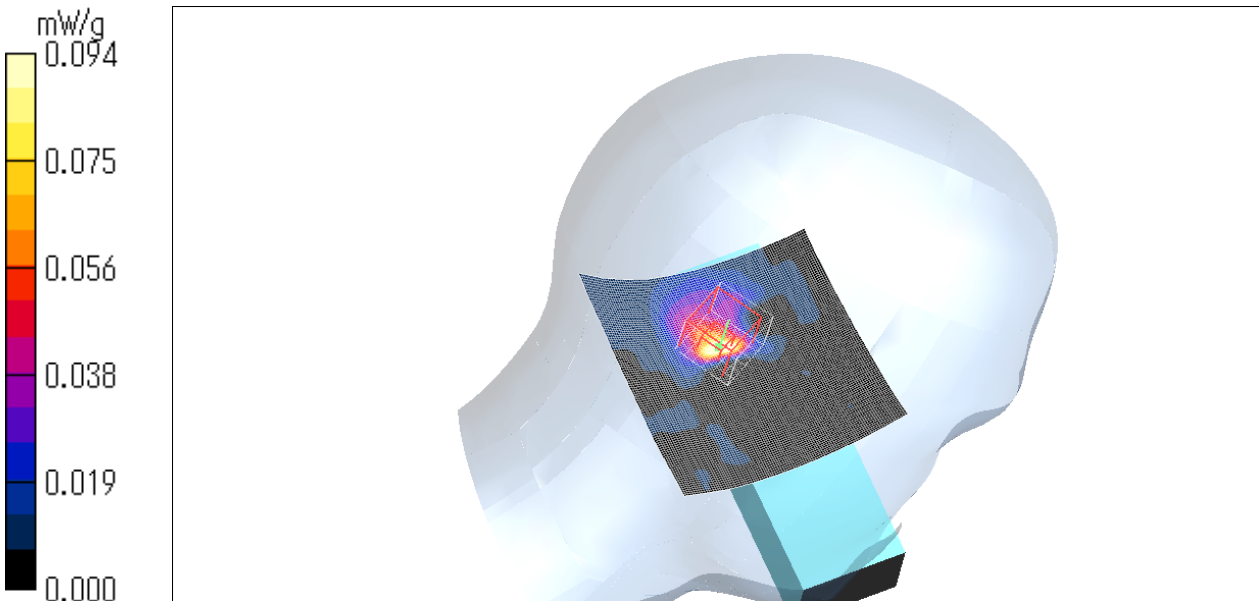
Crest factor: 10  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 34.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS4 (High Precision Assessment)  
DASY4 Configuration:  
Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Electronics: DAE3 Sn518; Calibrated: 2005/08/31  
Phantom: SAM 1196  
Measurement SW: DASYS4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.122 mW/g

**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 0.711 V/m; Power Drift = -0.030 dB  
Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.014 mW/g**  
Maximum value of SAR (measured) = 0.094 mW/g

Test Date = 07/04/06  
Ambient Temperature = 24.2 degree C.  
Liquid Temperature = Before 24.0 degree C. , After 24.0 degree C.



**BCL-D10 / Right head / Cheek position / 71ch (5788.240269MHz)**

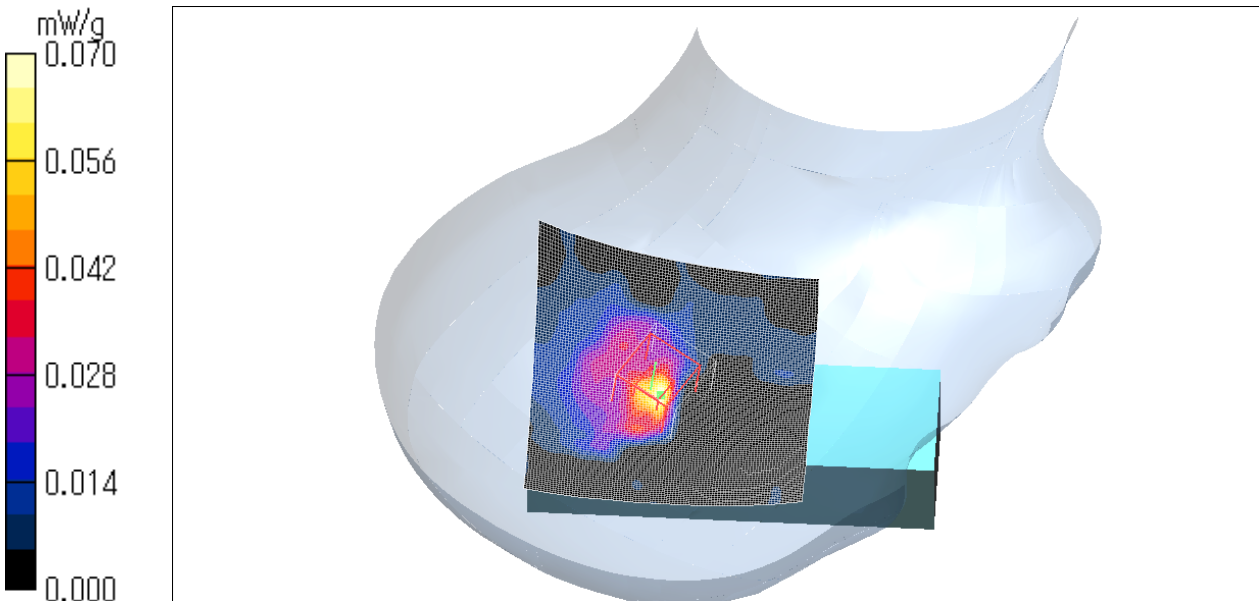
Crest factor: 10  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 34.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASY4 (High Precision Assessment)  
DASY4 Configuration:  
Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Electronics: DAE3 Sn518; Calibrated: 2005/08/31  
Phantom: SAM 1196  
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.072 mW/g

**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 2.74 V/m; Power Drift = -0.208 dB  
Peak SAR (extrapolated) = 0.117 W/kg

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.010 mW/g**  
Maximum value of SAR (measured) = 0.070 mW/g

Test Date = 07/04/06  
Ambient Temperature = 24.2 degree C.  
Liquid Temperature = Before 24.0 degree C. , After 24.0 degree C.



**BCL-D10 / Right head / Tilt position / 71ch (5788.240269MHz)**

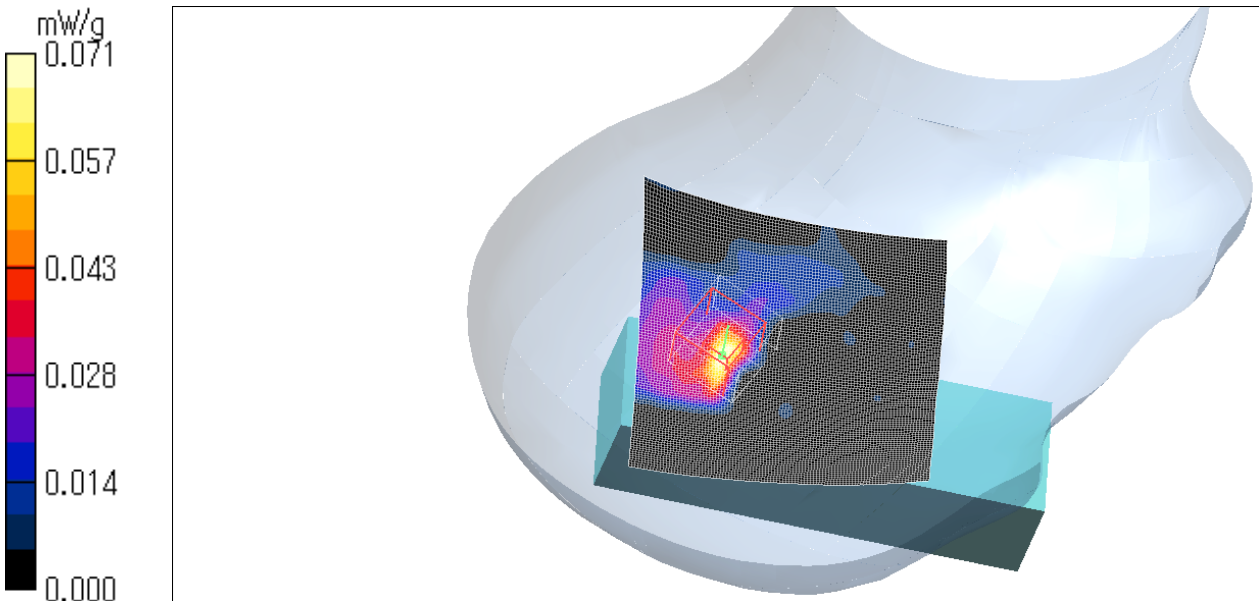
Crest factor: 10  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 34.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section  
Measurement Standard: DASY4 (High Precision Assessment)  
DASY4 Configuration:  
Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Electronics: DAE3 Sn518; Calibrated: 2005/08/31  
Phantom: SAM 1196  
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.074 mW/g

**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 0.848 V/m; Power Drift = -0.110 dB  
Peak SAR (extrapolated) = 0.124 W/kg

**SAR(1 g) = 0.036 mW/g; SAR(10 g) = 0.012 mW/g**  
Maximum value of SAR (measured) = 0.071 mW/g

Test Date = 07/04/06  
Ambient Temperature = 24.2 degree C.  
Liquid Temperature = Before 24.0 degree C. , After 24.0 degree C.



**BCL-D10 / Left head / Tilt position / 1ch (5725.809328MHz)**

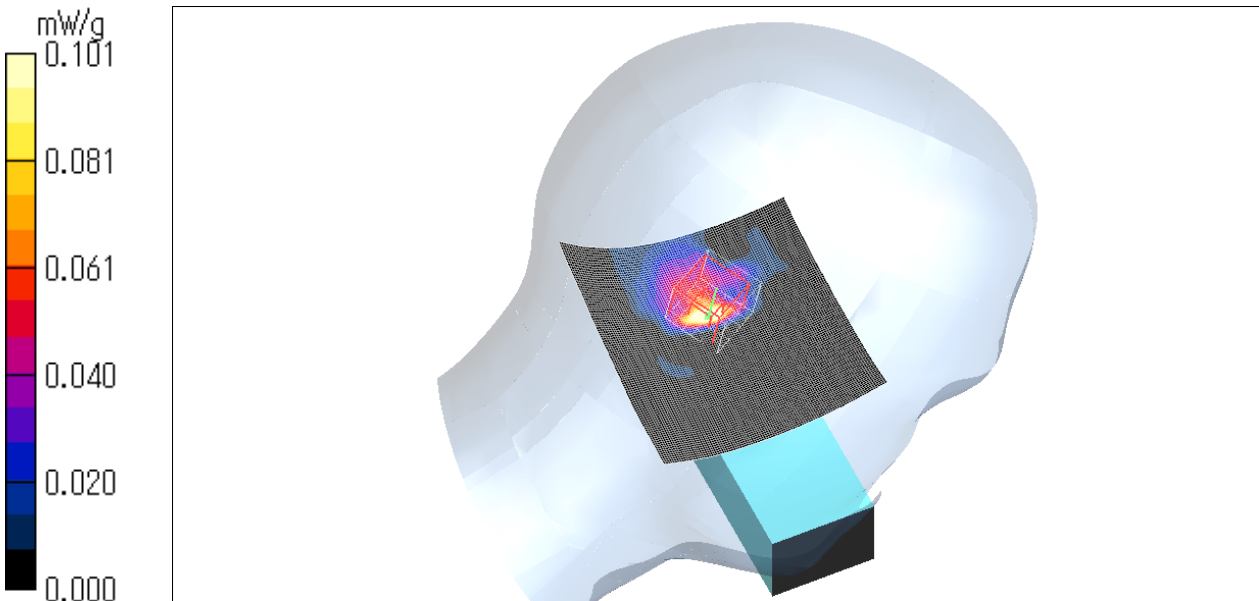
Crest factor: 10  
Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 34.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section  
Measurement Standard: DASYS4 (High Precision Assessment)  
DASY4 Configuration:  
Probe: EX3DV3 - SN3507; ConvF(4.82, 4.82, 4.82); Calibrated: 2006/05/26  
Sensor-Surface: 2mm (Mechanical Surface Detection)  
Electronics: DAE3 Sn518; Calibrated: 2005/08/31  
Phantom: SAM 1196  
Measurement SW: DASYS4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm  
Maximum value of SAR (interpolated) = 0.158 mW/g

**Zoom Scan (7x7x8)/Cube 0:** Measurement grid: dx=4.3mm, dy=4.3mm, dz=3mm  
Reference Value = 1.13 V/m; Power Drift = -0.120 dB  
Peak SAR (extrapolated) = 0.182 W/kg

**SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.014 mW/g**  
Maximum value of SAR (measured) = 0.101 mW/g

Test Date = 07/04/06  
Ambient Temperature = 24.2 degree C.  
Liquid Temperature = Before 24.0 degree C. , After 24.0 degree C.



**BCL-D10 / Left head / Tilt position / 139ch (5848.889420MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 5.48$  mho/m;  $\epsilon_r = 34.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

Measurement Standard: DASYS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

**Area Scan (101x101x1):** Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.118 mW/g

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

Reference Value = 0.803 V/m; Power Drift = 0.151 dB

Peak SAR (extrapolated) = 0.348 W/kg

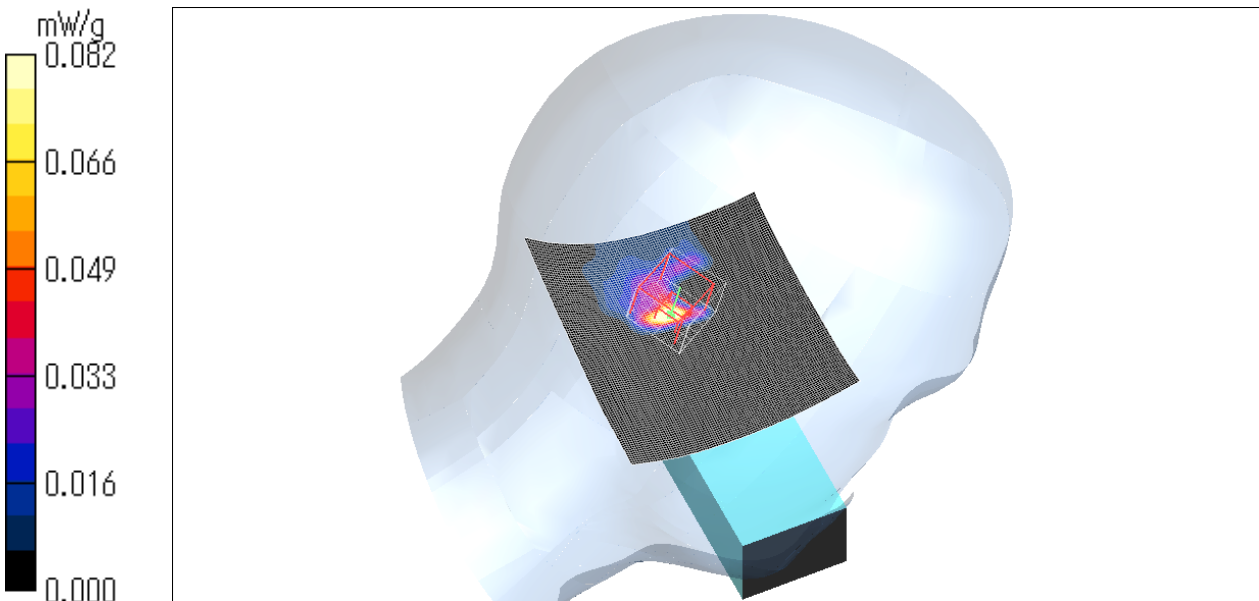
**SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.012 mW/g**

Maximum value of SAR (measured) = 0.082 mW/g

Test Date = 07/04/06

Ambient Temperature = 24.2 degree C.

Liquid Temperature = Before 24.0 degree C. , After 24.0 degree C.



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**BCL-D10 / Front position / 71ch (5788.240269MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, 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) = 0.092 mW/g

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

Reference Value = 0.423 V/m; Power Drift = 0.197 dB

Peak SAR (extrapolated) = 0.176 W/kg

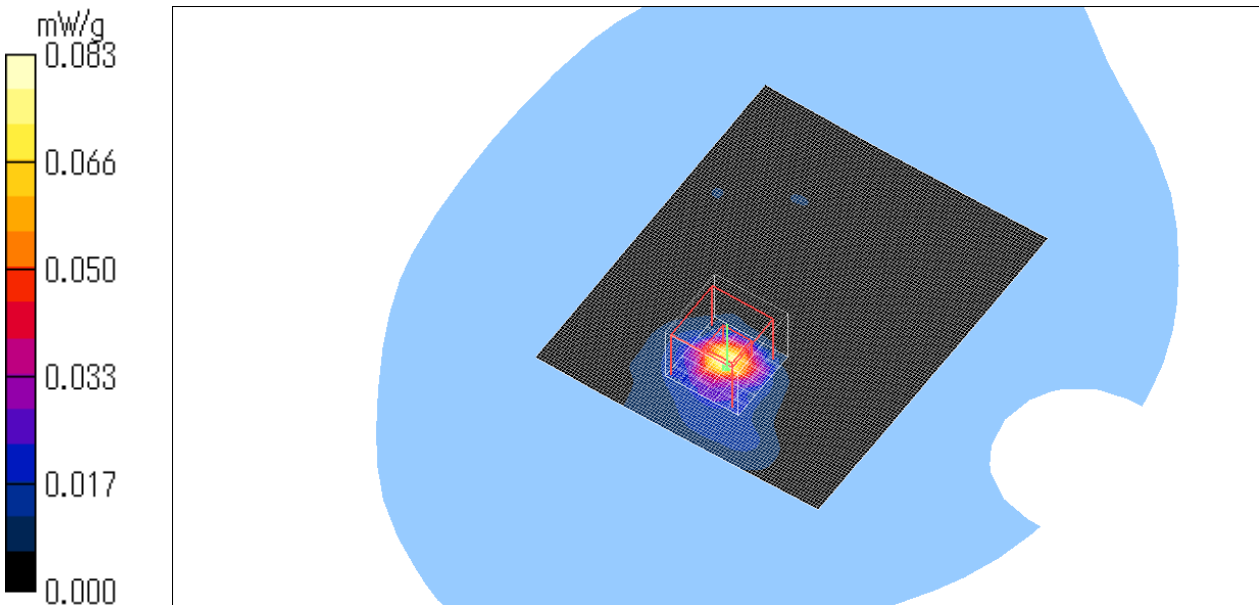
**SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.010 mW/g**

Maximum value of SAR (measured) = 0.083 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.3 degree C. , After 24.3 degree C.



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**BCL-D10 / Back position / 71ch (5788.240269MHz MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 6.29 \text{ mho/m}$ ;  $\epsilon_r = 46.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn518; Calibrated: 2005/08/31

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) = 0.245 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 = 4.16 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 0.450 W/kg

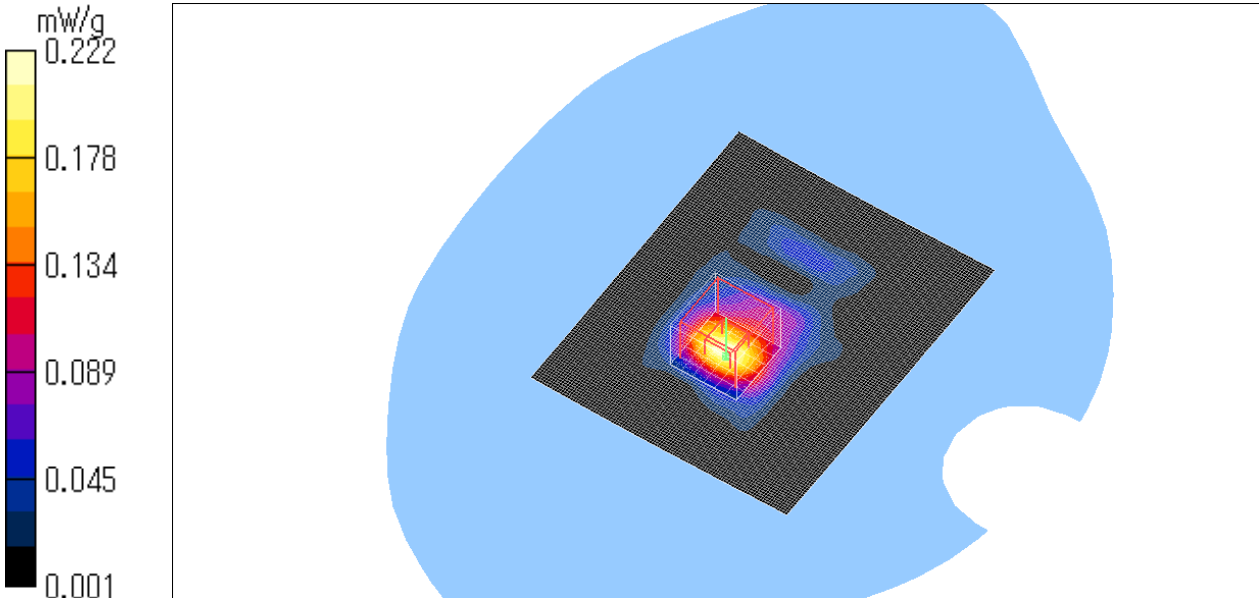
**SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.044 mW/g**

Maximum value of SAR (measured) = 0.222 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.3 degree C. , After 24.3 degree C.



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**BCL-D10 / Left side position / 71ch (5788.240269MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn518; Calibrated: 2005/08/31

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) = 0.060 mW/g

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

Reference Value = 1.98 V/m; Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.125 W/kg

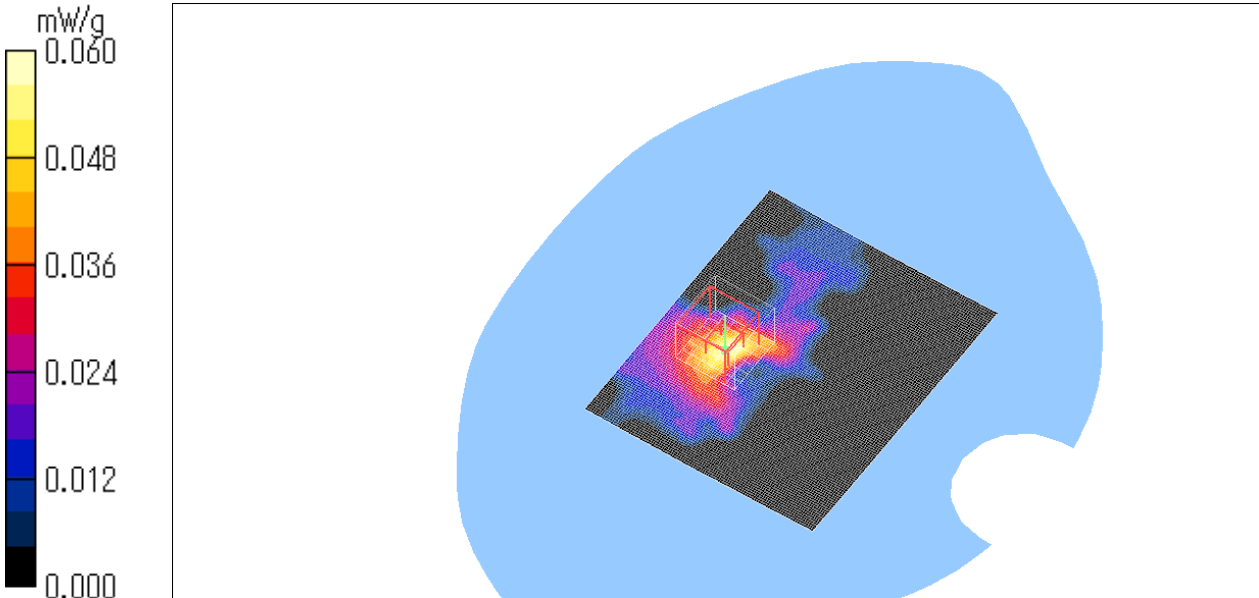
**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.00978 mW/g**

Maximum value of SAR (measured) = 0.060 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.2 degree C. , After 24.2 degree C.



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**BCL-D10 / Right side position / 71ch (5788.240269MHz MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn518; Calibrated: 2005/08/31

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) = 0.094 mW/g

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

Reference Value = 0.478 V/m; Power Drift = -0.206 dB

Peak SAR (extrapolated) = 0.221 W/kg

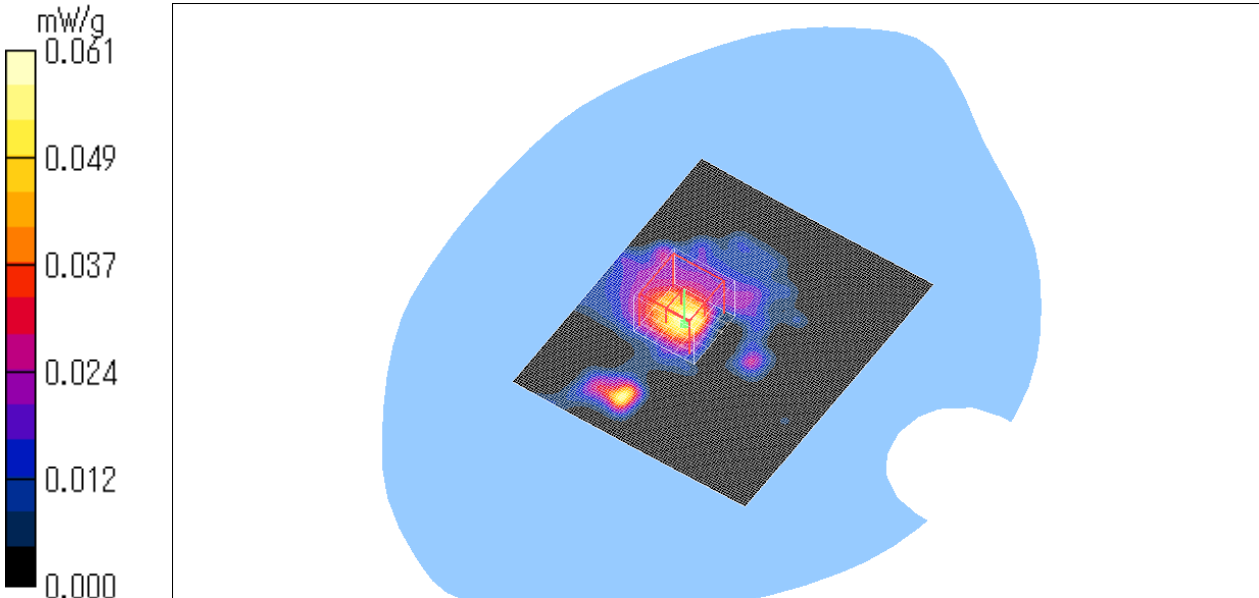
**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.011 mW/g**

Maximum value of SAR (measured) = 0.061 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.2 degree C. , After 24.2 degree C.



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**BCL-D10 / Top position / 71ch (5788.240269MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn518; Calibrated: 2005/08/31

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) = 0.083 mW/g

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

Reference Value = 3.08 V/m; Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.174 W/kg

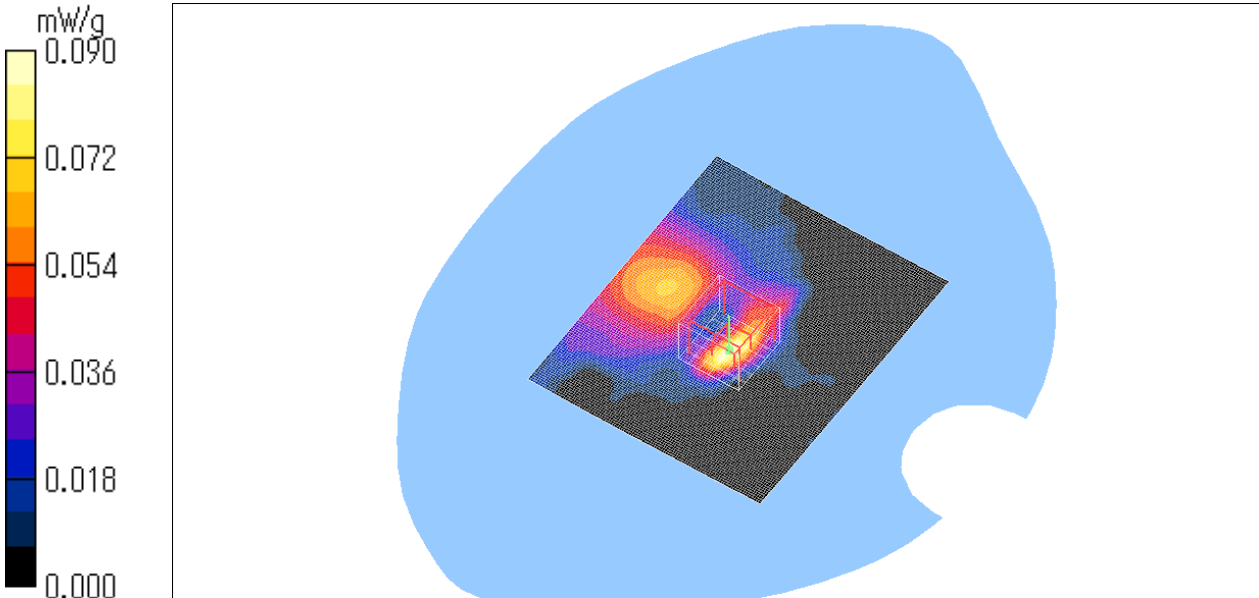
**SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.090 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.2 degree C. , After 24.3 degree C.



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**BCL-D10 / Bottom position / 71ch (5788.240269MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DAS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DAS4, 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) = 0.028 mW/g

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

Reference Value = 1.22 V/m; Power Drift = 0.080 dB

Peak SAR (extrapolated) = 0.056 W/kg

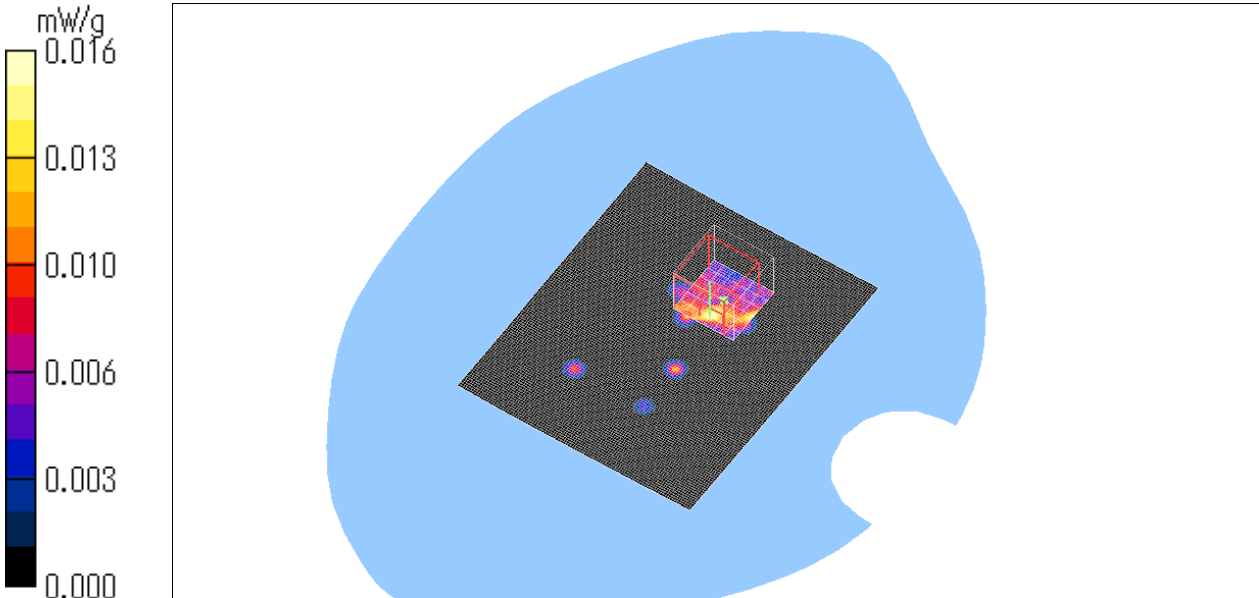
**SAR(1 g) = 0.00581 mW/g; SAR(10 g) = 0.00171 mW/g**

Maximum value of SAR (measured) = 0.016 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.3 degree C. , After 24.3 degree C.



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**BCL-D10 / Back position / 1ch (5725.809328MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800 \text{ MHz}$ ;  $\sigma = 6.29 \text{ mho/m}$ ;  $\epsilon_r = 46.2$ ;  $\rho = 1000 \text{ kg/m}^3$

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 Sn518; Calibrated: 2005/08/31

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) = 0.469 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 = 4.29 V/m; Power Drift = 0.116 dB

Peak SAR (extrapolated) = 0.880 W/kg

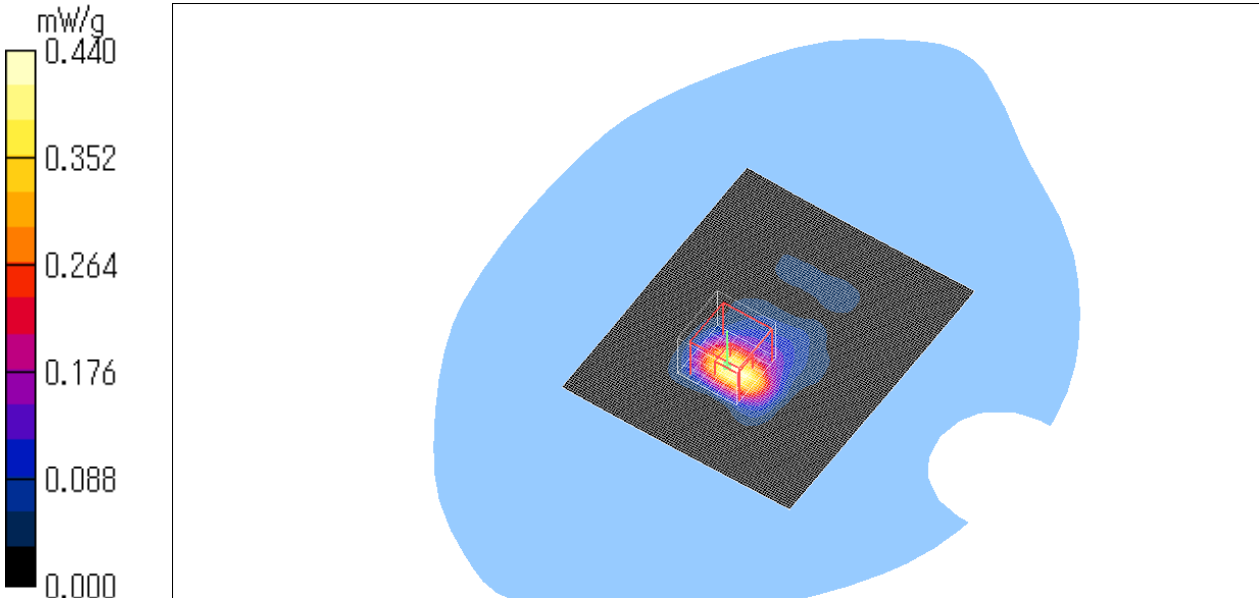
**SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.079 mW/g**

Maximum value of SAR (measured) = 0.440 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.3 degree C. , After 24.3 degree C.



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MF060a (01.06.05)

**Z-axis scan at max SAR location**

**BCL-D10 / Back position / 1ch (5725.809328MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (High Precision Assessment)

DASY4 Configuration:

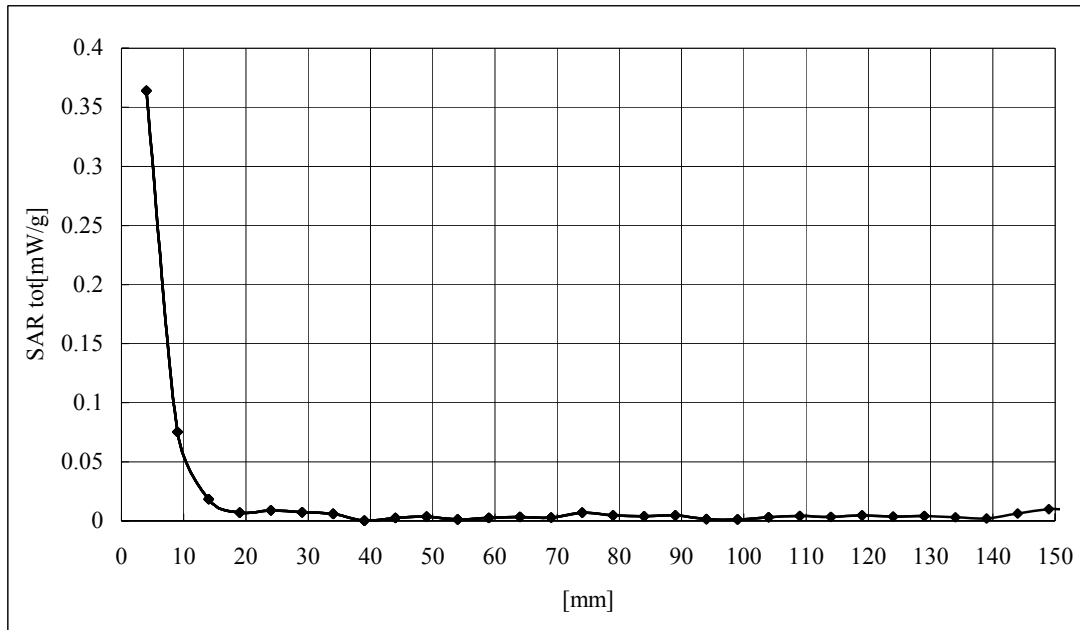
Probe: EX3DV3 - SN3507; ConvF(4.77, 4.77, 4.77); Calibrated: 2006/05/26

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE3 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160



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**BCL-D10 / Back position / 139ch (5848.889420MHz)**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, 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) = 0.251 mW/g

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

Reference Value = 5.56 V/m; Power Drift = 0.075 dB

Peak SAR (extrapolated) = 0.502 W/kg

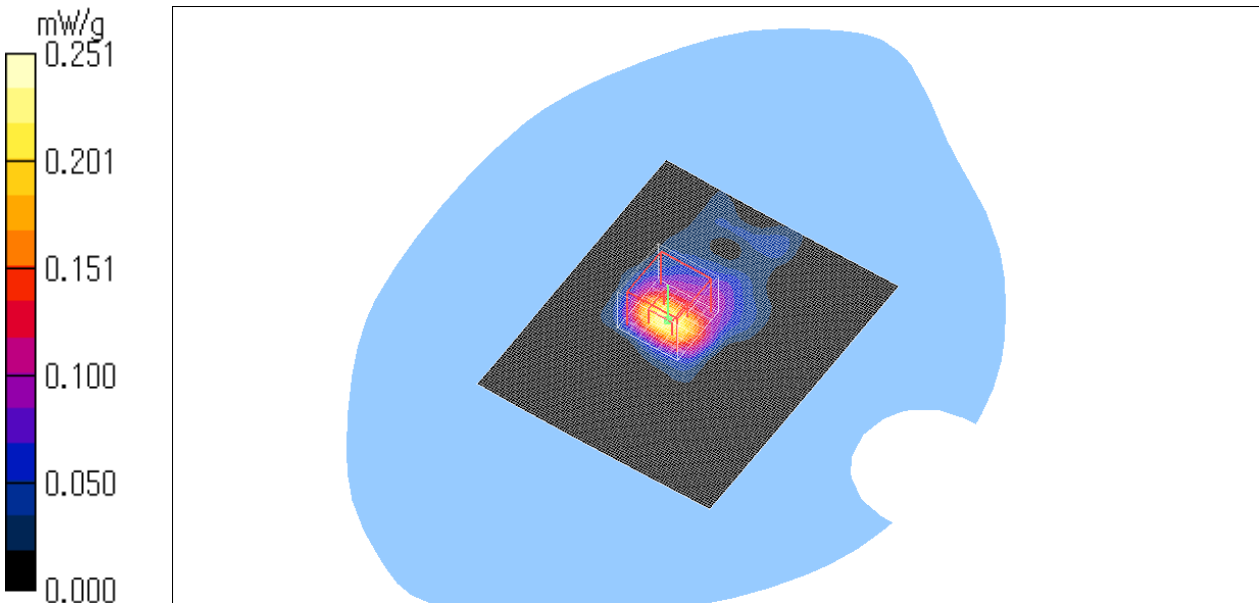
**SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.046 mW/g**

Maximum value of SAR (measured) = 0.251 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.2 degree C. , After 24.2 degree C.



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MF060a (01.06.05)

**BCL-D10 / Back position / 1ch (5725.809328MHz) / Separation 5mm**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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 Sn518; Calibrated: 2005/08/31

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) = 0.181 mW/g

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

Reference Value = 5.38 V/m; Power Drift = 0.074 dB

Peak SAR (extrapolated) = 0.360 W/kg

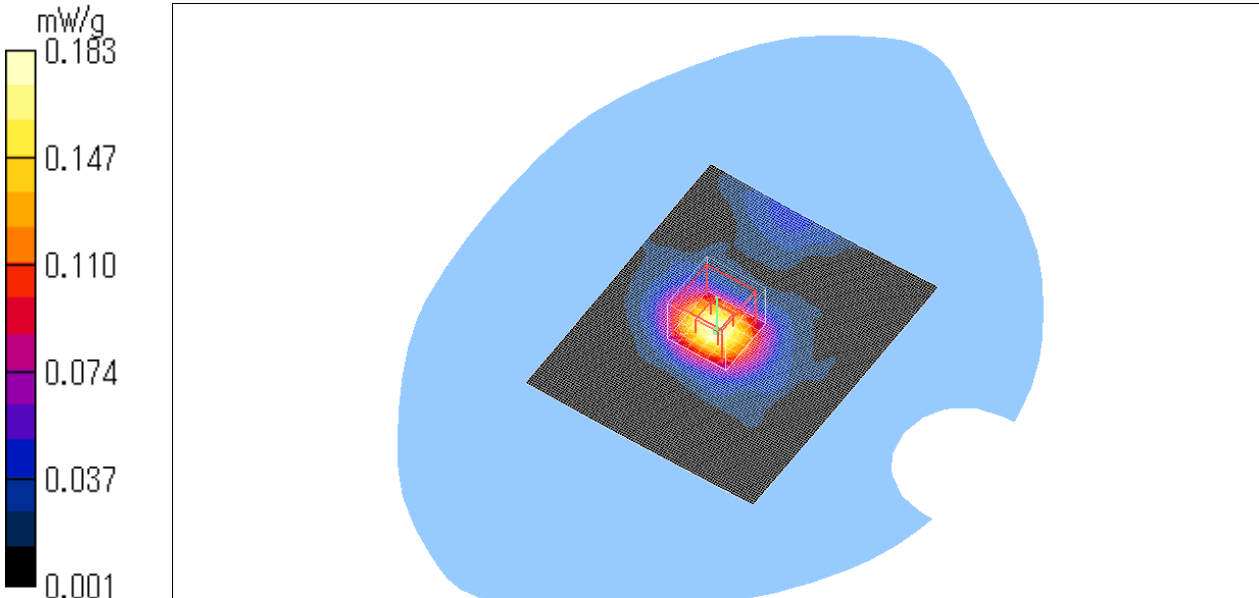
**SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.183 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.3 degree C. , After 24.3 degree C.



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MF060a (01.06.05)

**BCL-D10 / Back position / 1ch (5725.809328MHz) / Separation 10mm**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, 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) = 0.184 mW/g

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

Reference Value = 3.06 V/m; Power Drift = 0.173 dB

Peak SAR (extrapolated) = 0.348 W/kg

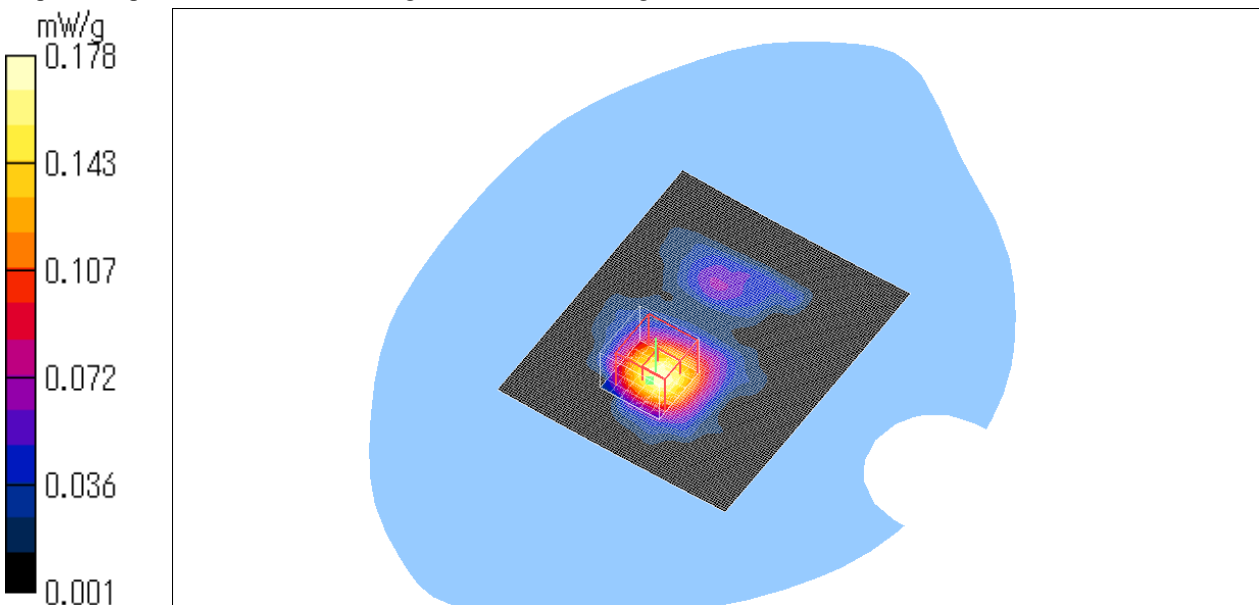
**SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.039 mW/g**

Maximum value of SAR (measured) = 0.178 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.3 degree C. , After 24.3 degree C.



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**BCL-D10 / Back position / 1ch (5725.809328MHz) / Separation 15mm**

Crest factor: 10

Medium parameters used:  $f = 5800$  MHz;  $\sigma = 6.29$  mho/m;  $\epsilon_r = 46.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

Measurement Standard: DASYS4 (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 Sn518; Calibrated: 2005/08/31

Phantom: SAM 1196

Measurement SW: DASYS4, 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) = 0.165 mW/g

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

Reference Value = 1.52 V/m; Power Drift = -0.203 dB

Peak SAR (extrapolated) = 0.363 W/kg

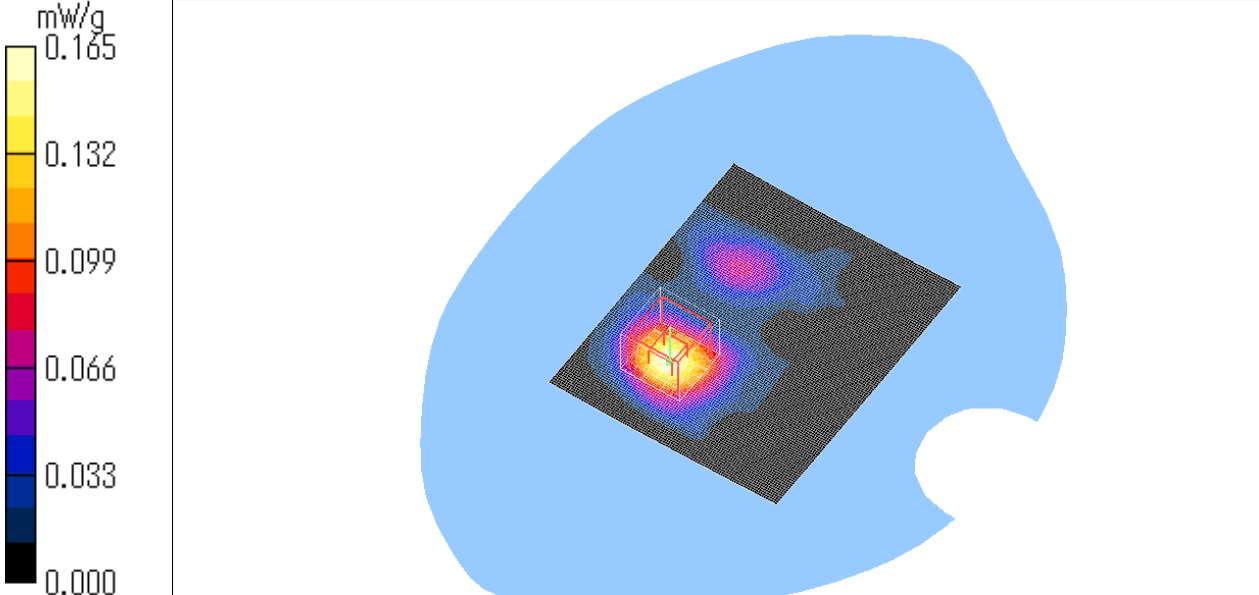
**SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.036 mW/g**

Maximum value of SAR (measured) = 0.165 mW/g

Test Date = 07/03/06

Ambient Temperature = 25.0 degree C.

Liquid Temperature = Before 24.2 degree C. , After 24.2 degree C.



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