

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 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.

2. Measurement data (Body SAR 2450MHz)

GC-131 / Body / Front / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.121 mW/g

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

Reference Value = 7.88 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 0.148 W/kg

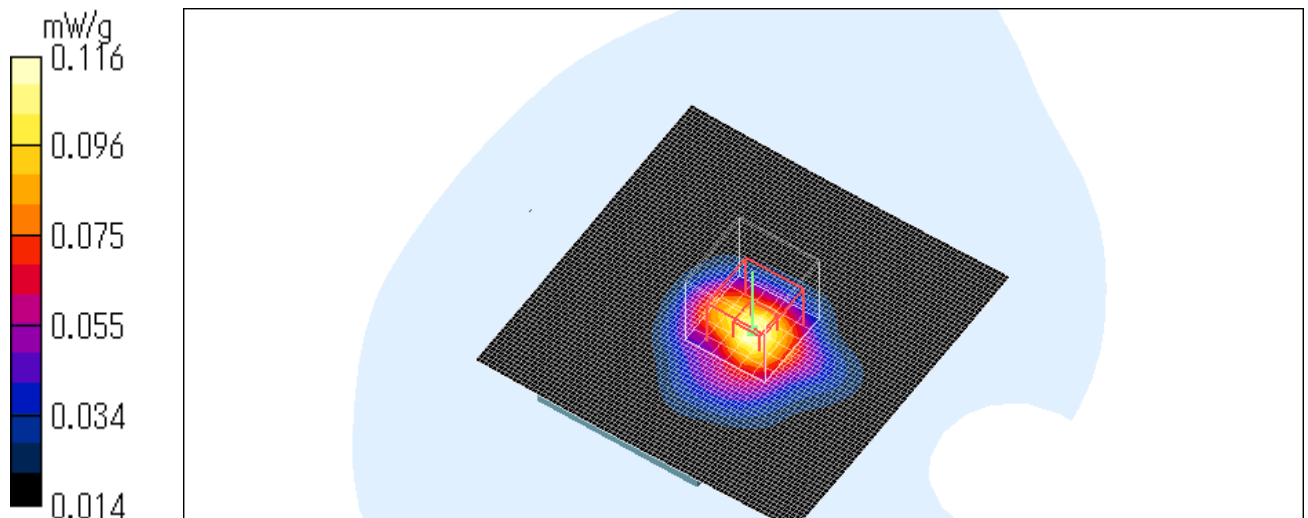
SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.116 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Rear / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.296 mW/g

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

Reference Value = 7.91 V/m; Power Drift = 0.222 dB

Peak SAR (extrapolated) = 0.373 W/kg

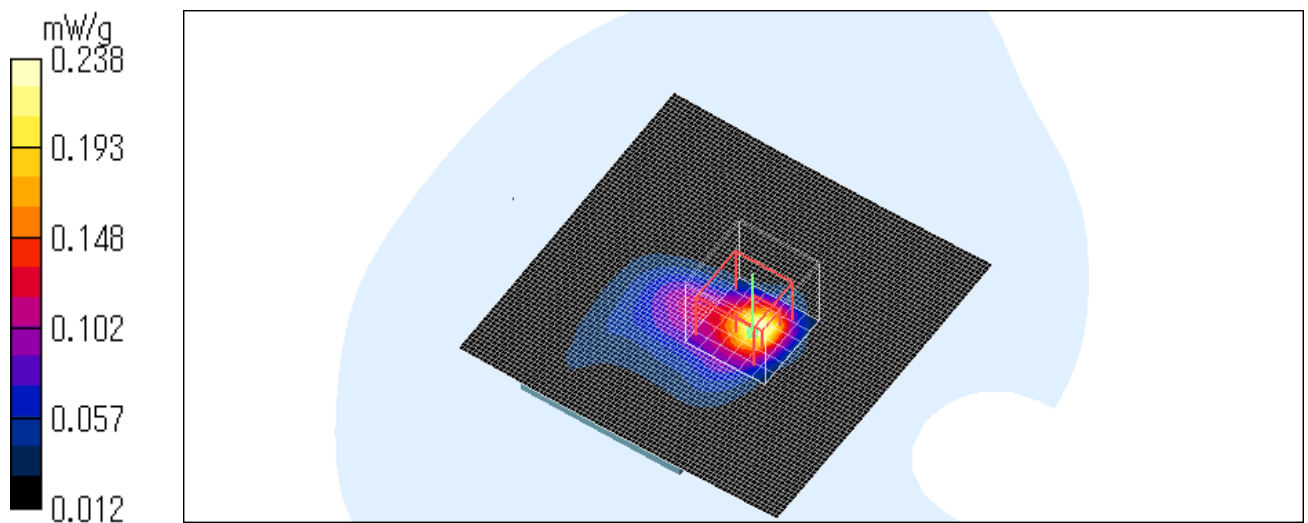
SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.238 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Left side / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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

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

Reference Value = 12.9 V/m; Power Drift = -0.247 dB

Peak SAR (extrapolated) = 0.798 W/kg

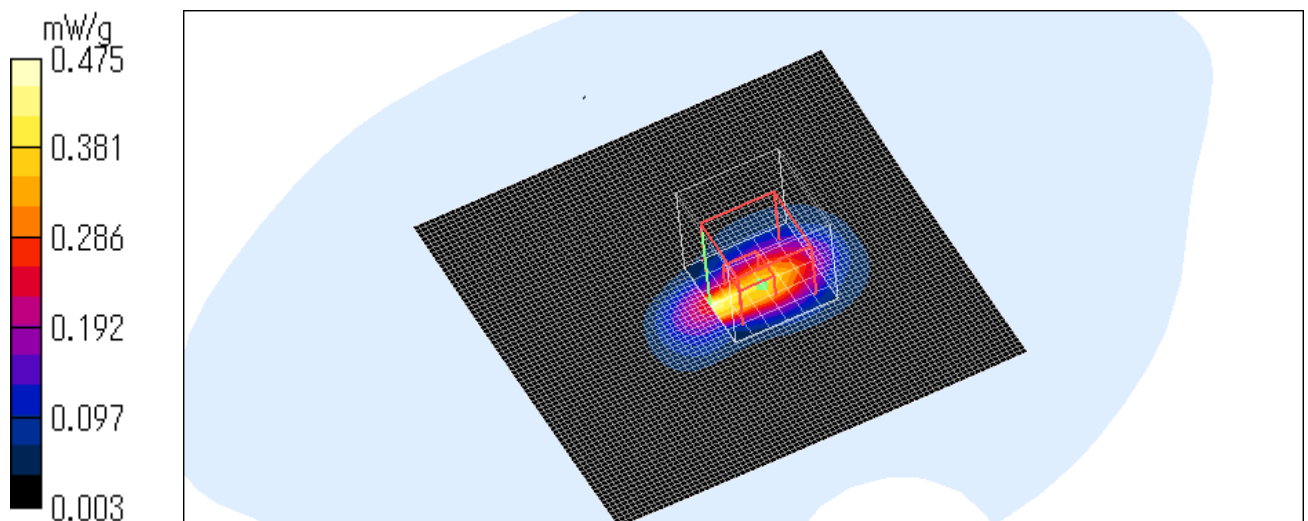
SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.475 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Right side / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.045 mW/g

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

Reference Value = 5.90 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 0.066 W/kg

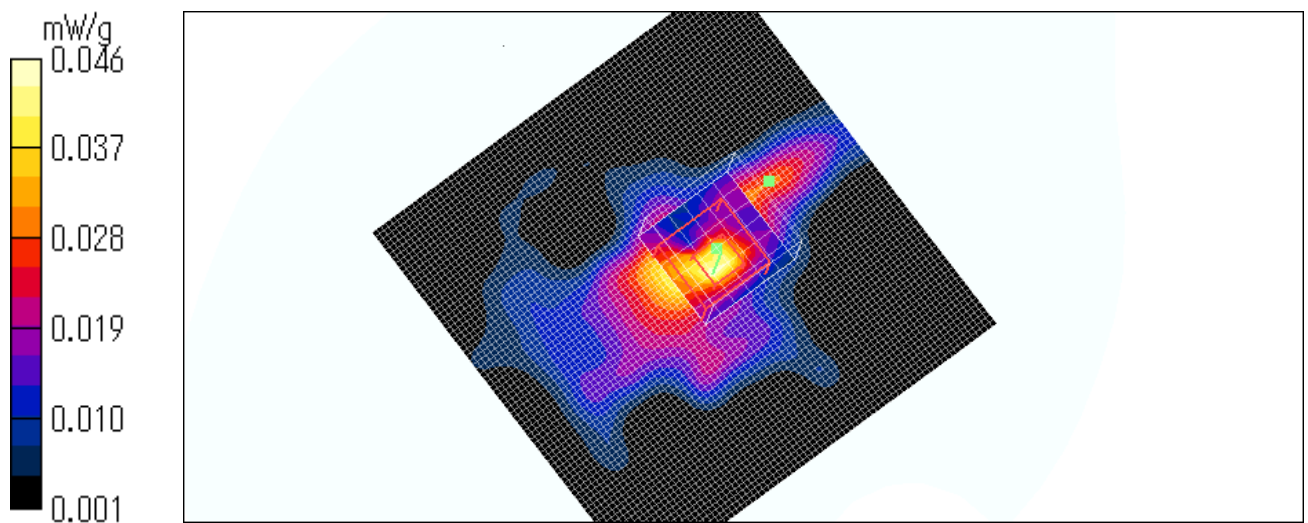
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.046 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Top / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.234 mW/g

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

Reference Value = 11.3 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.309 W/kg

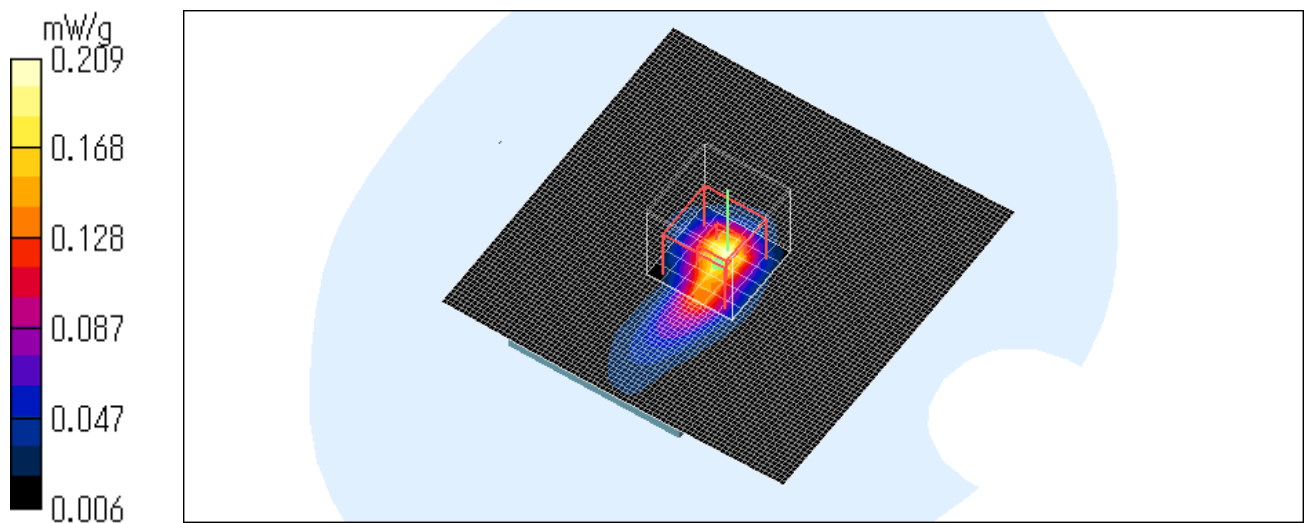
SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.209 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Body / Bottom / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.049 mW/g

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

Reference Value = 4.65 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.062 W/kg

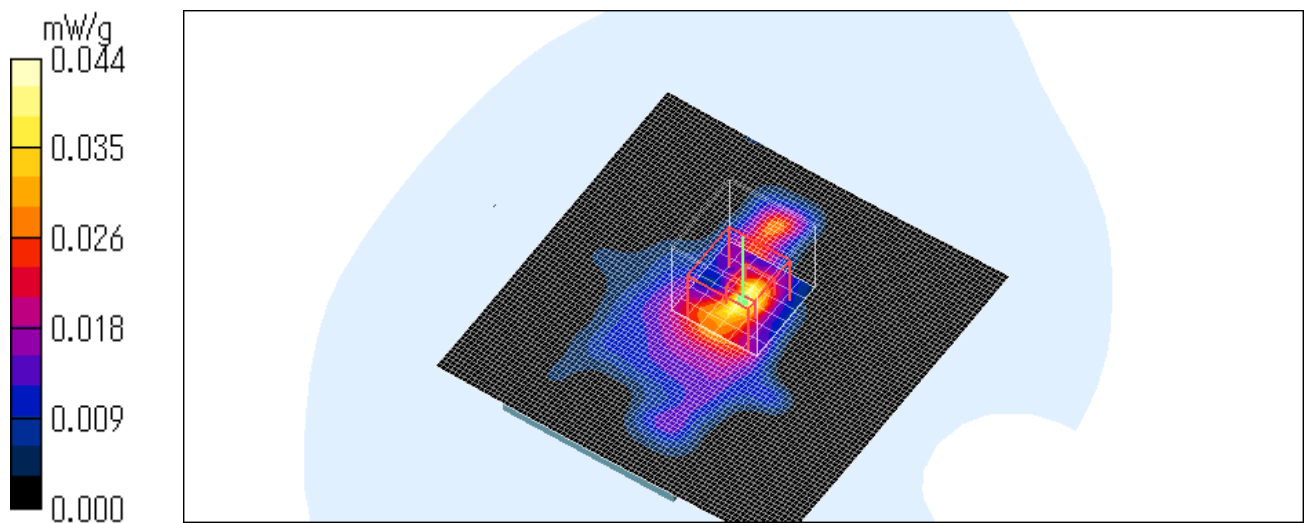
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.044 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.8 degree.C



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GC-131 / Body / Left side / 11b CCK (11Mbps) / 2412MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.695 mW/g

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

Reference Value = 16.2 V/m; Power Drift = 0.236 dB

Peak SAR (extrapolated) = 1.18 W/kg

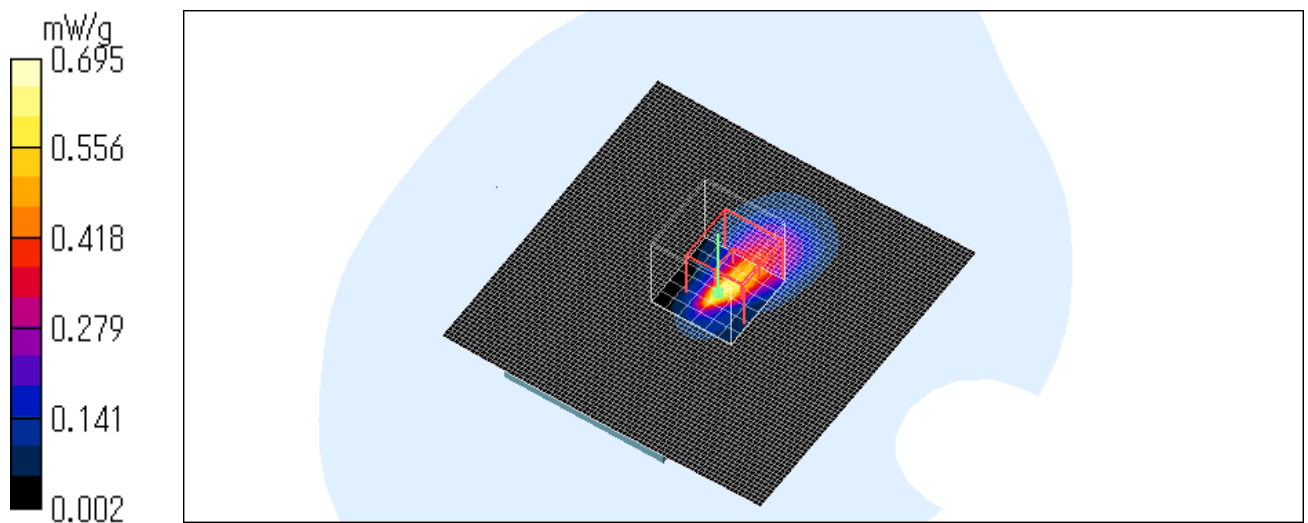
SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.695 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Body / Left side / 11b CCK (11Mbps) / 2462MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.826 mW/g

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

Reference Value = 15.7 V/m; Power Drift = 0.199 dB

Peak SAR (extrapolated) = 1.54 W/kg

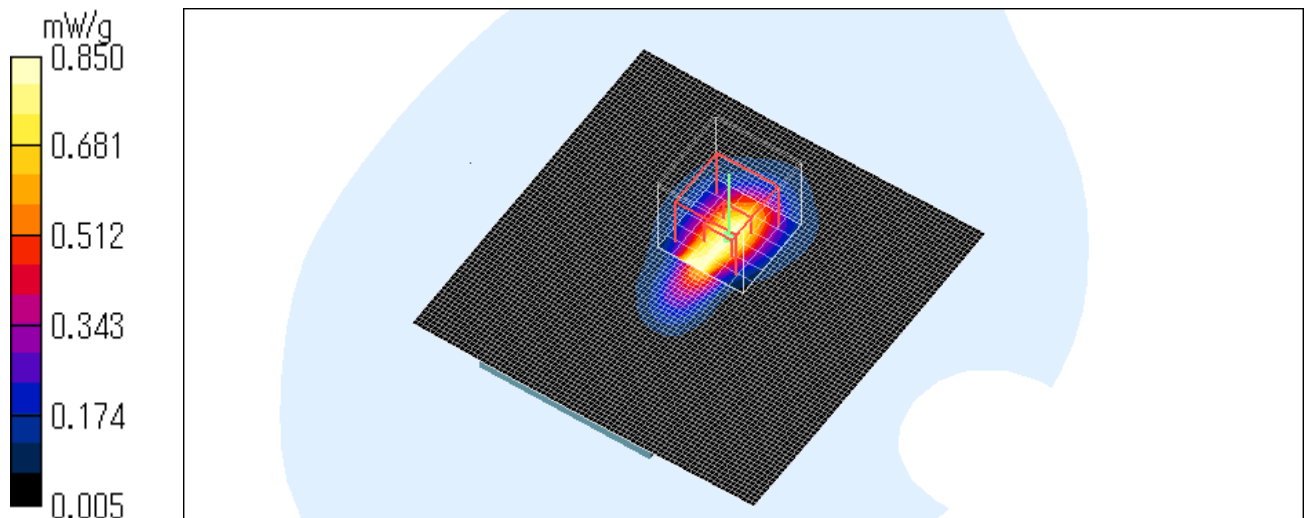
SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.259 mW/g

Maximum value of SAR (measured) = 0.850 mW/g

Test Date = 05/10/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.8 degree.C



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Z-axis scan at max SAR location

GC-131 / Body / Left side / 11b CCK (11Mbps) / 2462MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

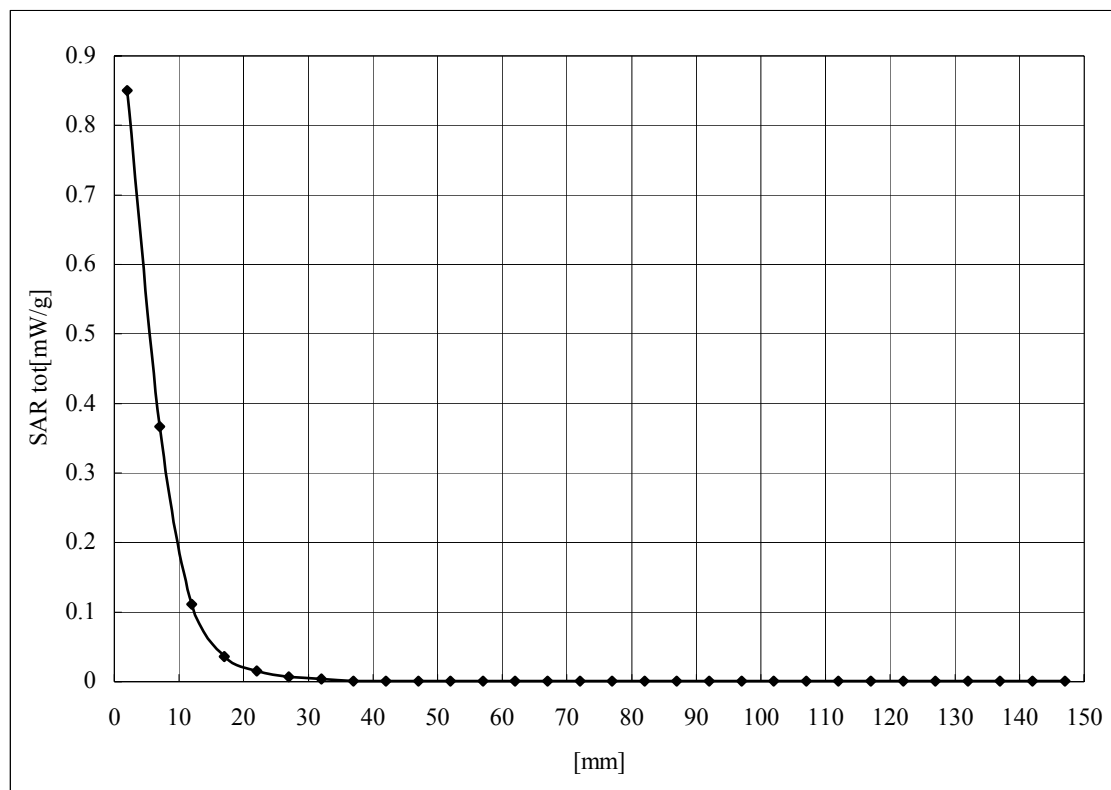
DASY4 Configuration:

- 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



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GC-131 / Body / Left side / 11g BPSK (6Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.581 mW/g

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

Reference Value = 15.0 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 1.21 W/kg

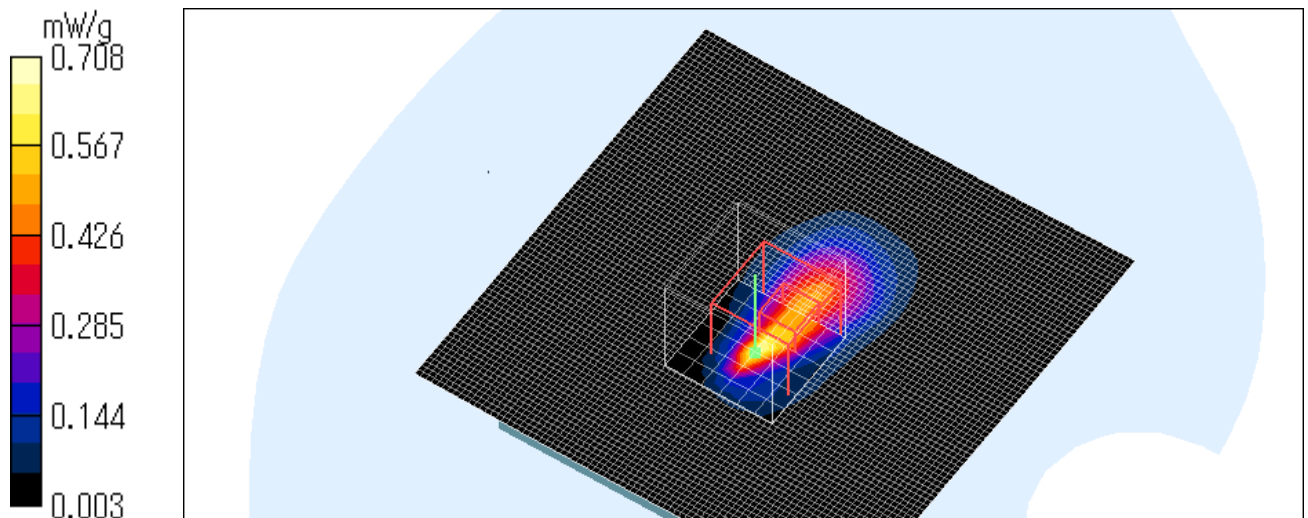
SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.708 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.8 degree.C



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GC-131 / Body / Left side / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.788 mW/g

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

Reference Value = 19.5 V/m; Power Drift = -0.265 dB

Peak SAR (extrapolated) = 1.37 W/kg

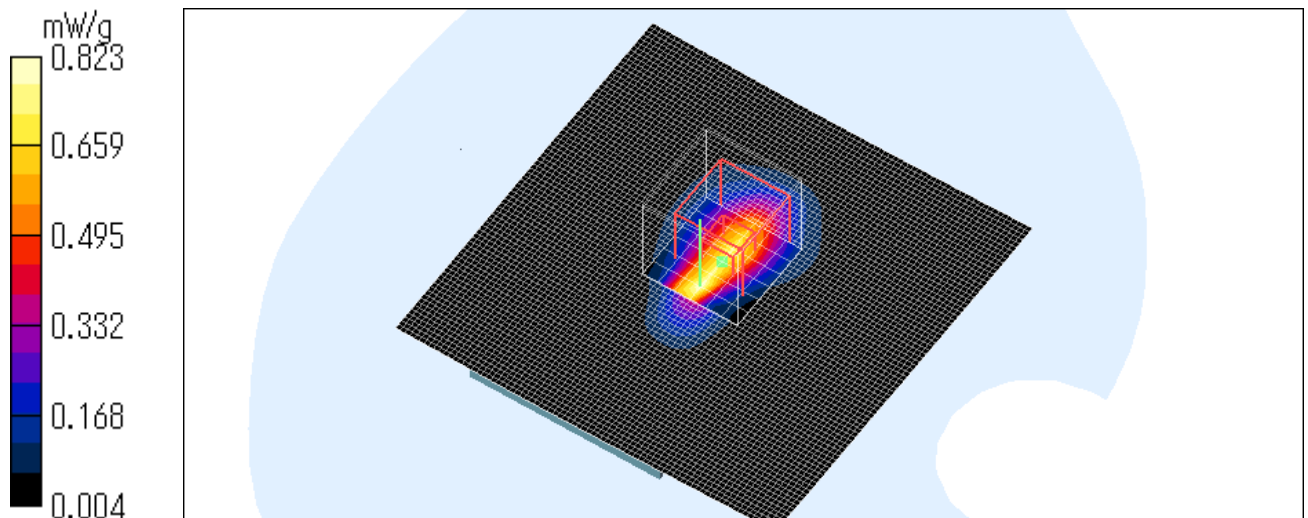
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.823 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.8 degree.C



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GC-131 / Body / Left side / 11g 16QAM (24Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.684 mW/g

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

Reference Value = 18.6 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 1.16 W/kg

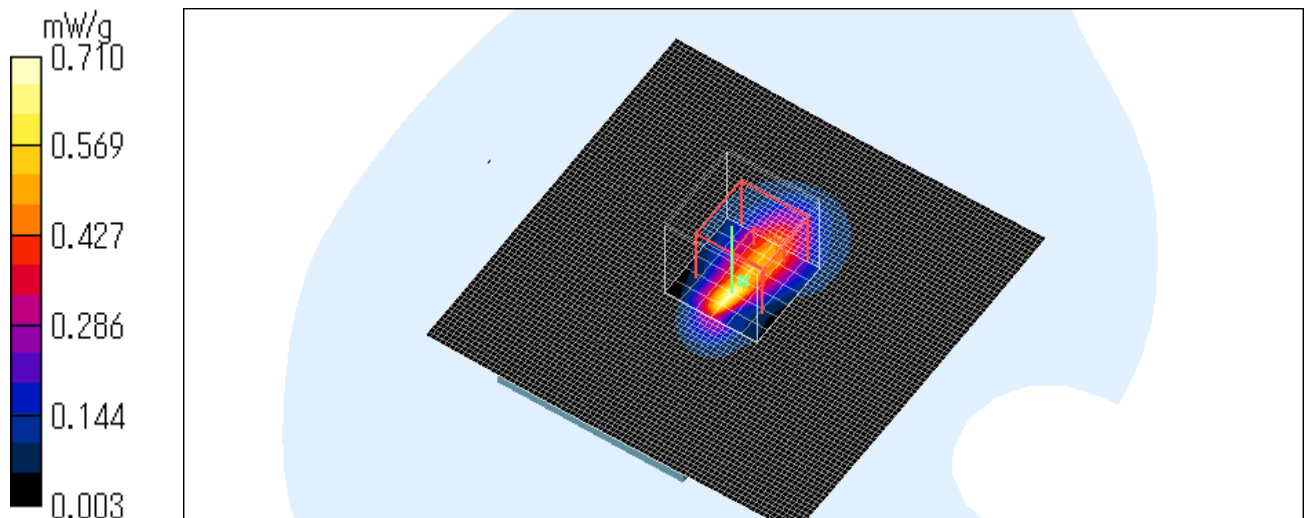
SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.710 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.8 degree.C



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GC-131 / Body / Left side / 11g 64QAM (54Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.462 mW/g

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

Reference Value = 14.3 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 1.12 W/kg

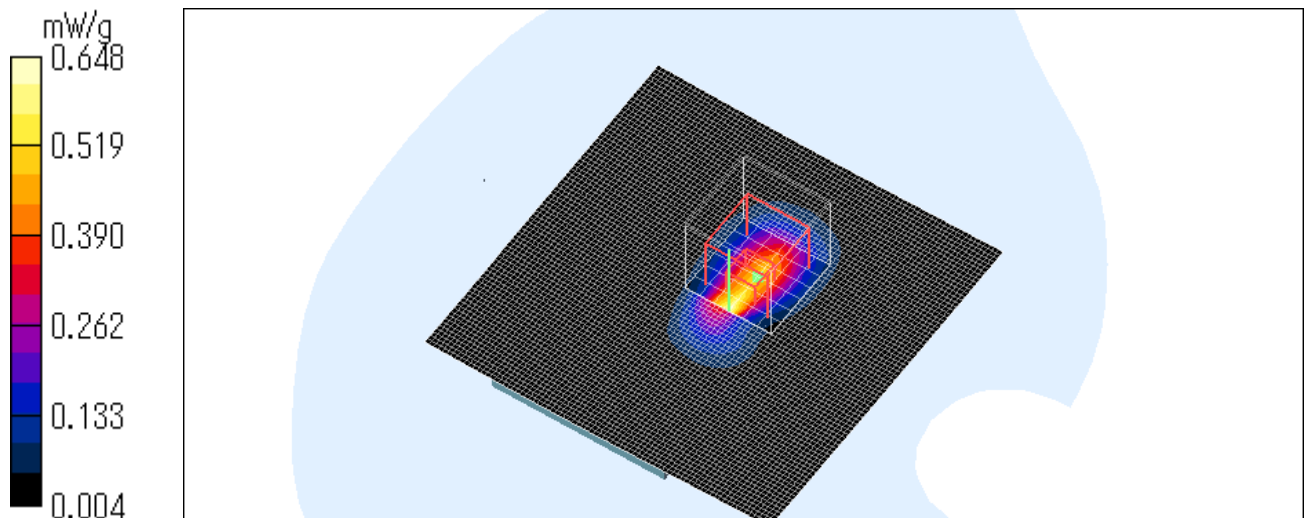
SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.648 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.8 degree.C , After 23.9 degree.C



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GC-131 / Body / Front / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 9.36 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 0.219 W/kg

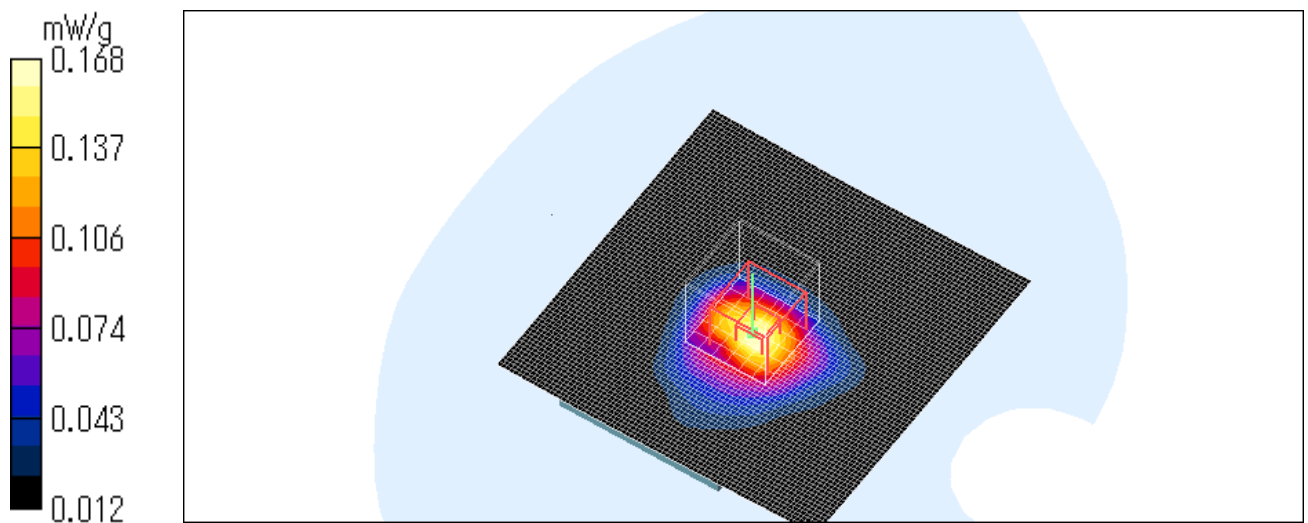
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.066 mW/g

Maximum value of SAR (measured) = 0.168 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Body / Rear / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.268 mW/g

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

Reference Value = 8.80 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.475 W/kg

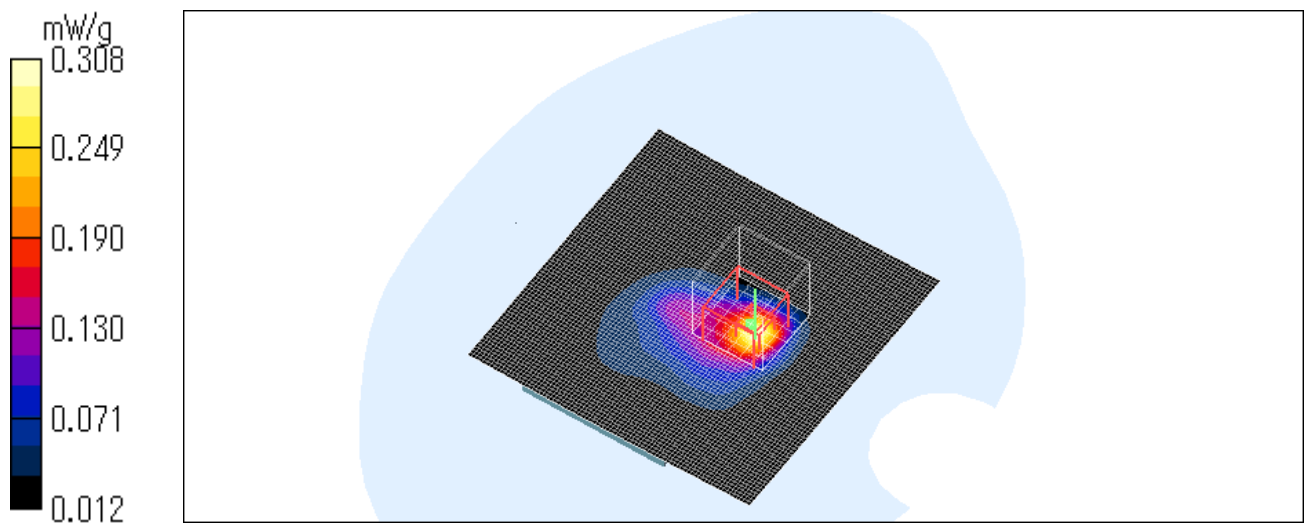
SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.308 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.9 degree.C



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GC-131 / Body / Right side / 11g QPSK (12Mbps) / 2437MHz

Duty Cycle: 1:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 50.7$; $\rho = 1000$ 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 = 1.66 V/m; Power Drift = 0.163 dB

Peak SAR (extrapolated) = 0.016 W/kg

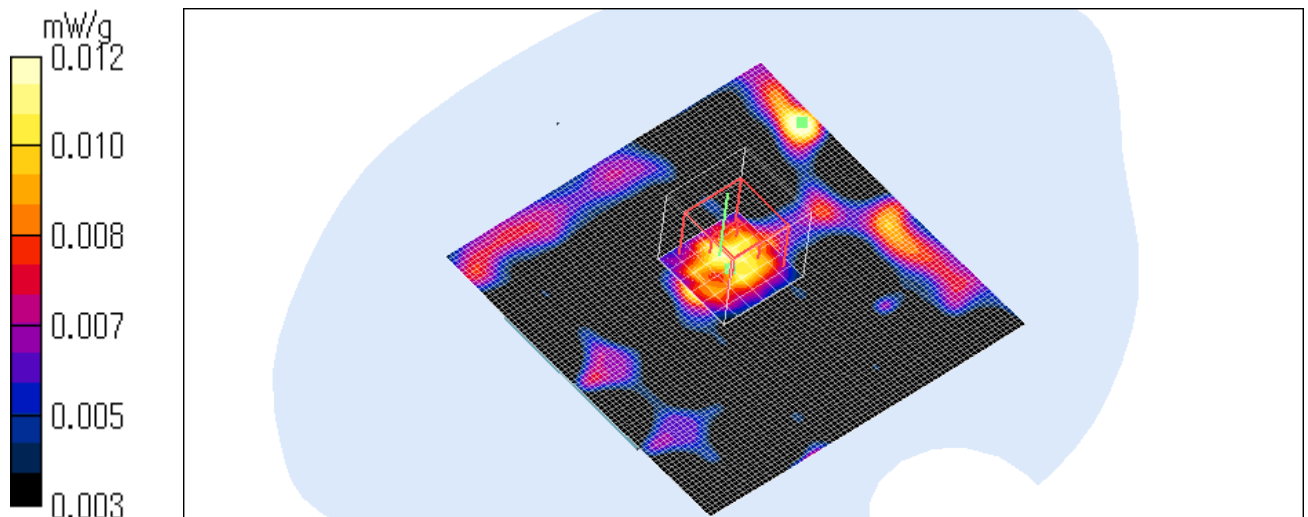
SAR(1 g) = 0.00897 mW/g; SAR(10 g) = 0.00621 mW/g

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

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.9 degree.C , After 23.9degree.C



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GC-131 / Body / Top / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.159 mW/g

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

Reference Value = 9.14 V/m; Power Drift = -0.099 dB

Peak SAR (extrapolated) = 0.270 W/kg

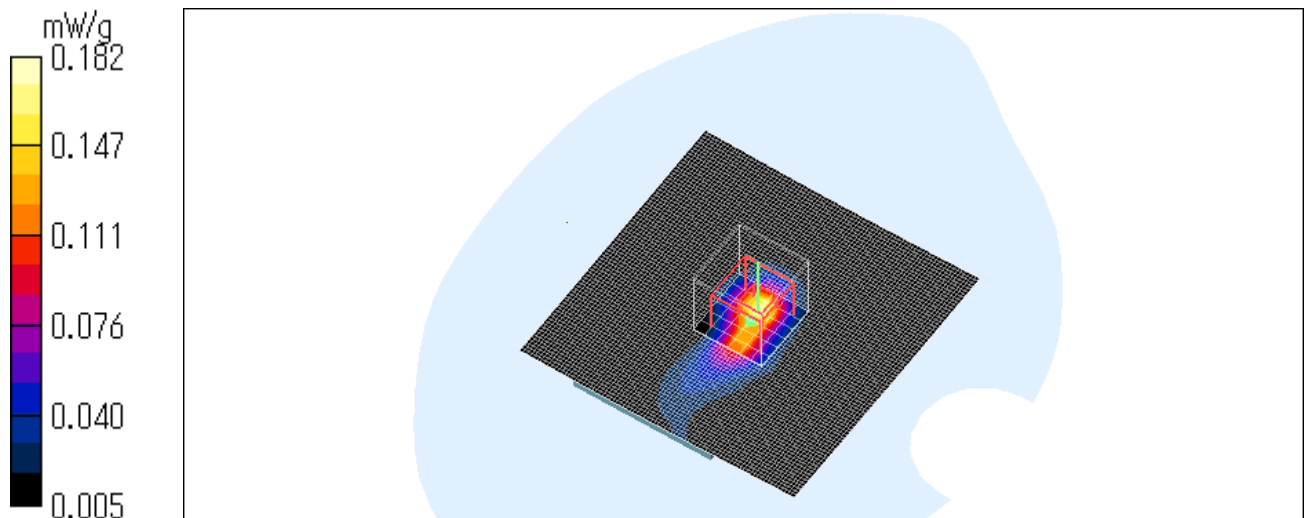
SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.182 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.9 degree.C , After 24.0 degree.C



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GC-131 / Body / Bottom / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.068 mW/g

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

Reference Value = 5.41 V/m; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.102 W/kg

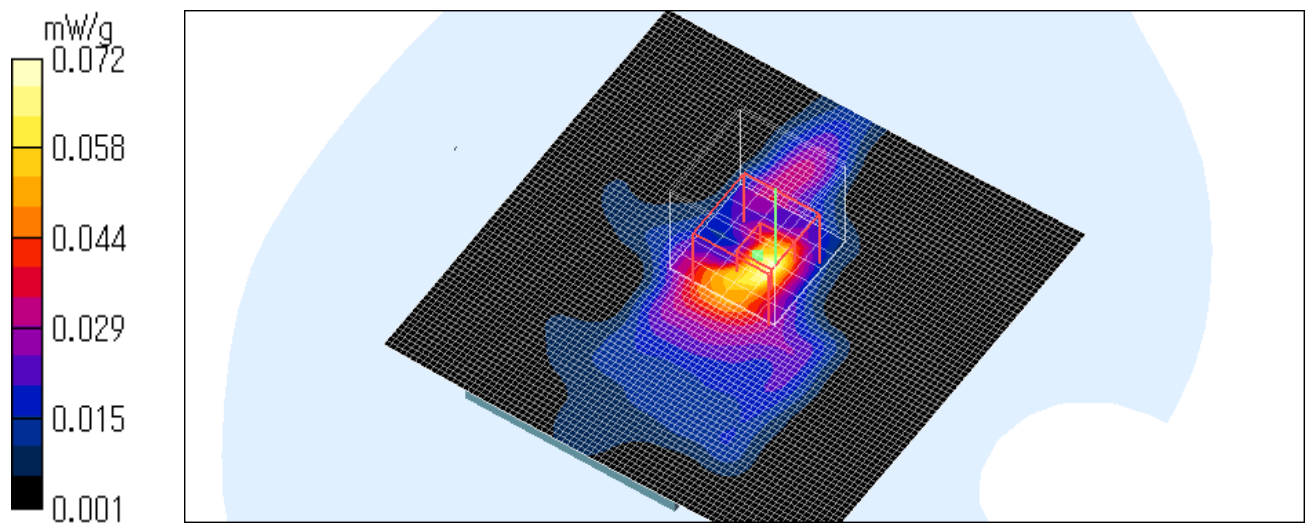
SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.072 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Left side / 11g QPSK (12Mbps) / 2412MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.449 mW/g

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

Reference Value = 12.5 V/m; Power Drift = 0.257 dB

Peak SAR (extrapolated) = 1.09 W/kg

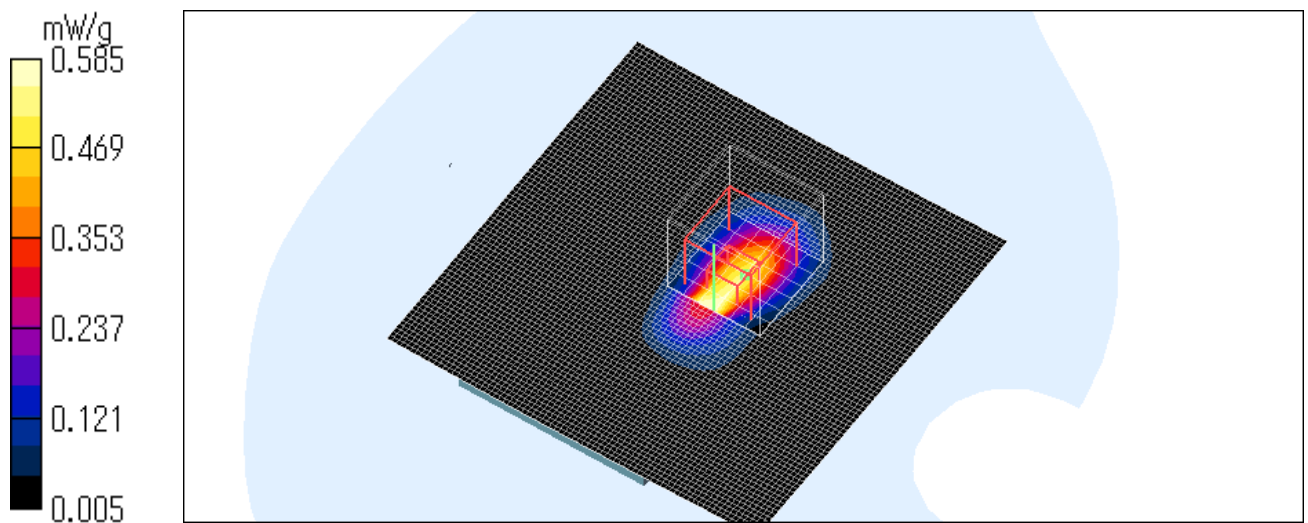
SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.585 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Left side / 11g QPSK (12Mbps) / 2462MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.777 mW/g

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

Reference Value = 18.2 V/m; Power Drift = -0.247 dB

Peak SAR (extrapolated) = 1.32 W/kg

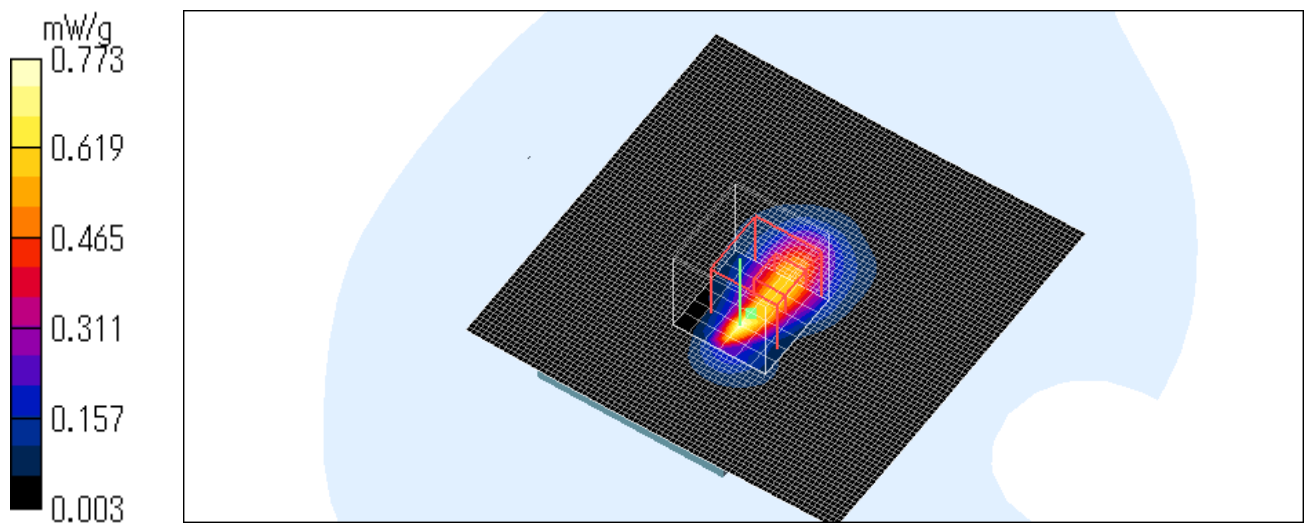
SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.773 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Left side 5mm / 11b CCK (11Mbps) / 2462MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.247 mW/g

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

Reference Value = 8.13 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 0.319 W/kg

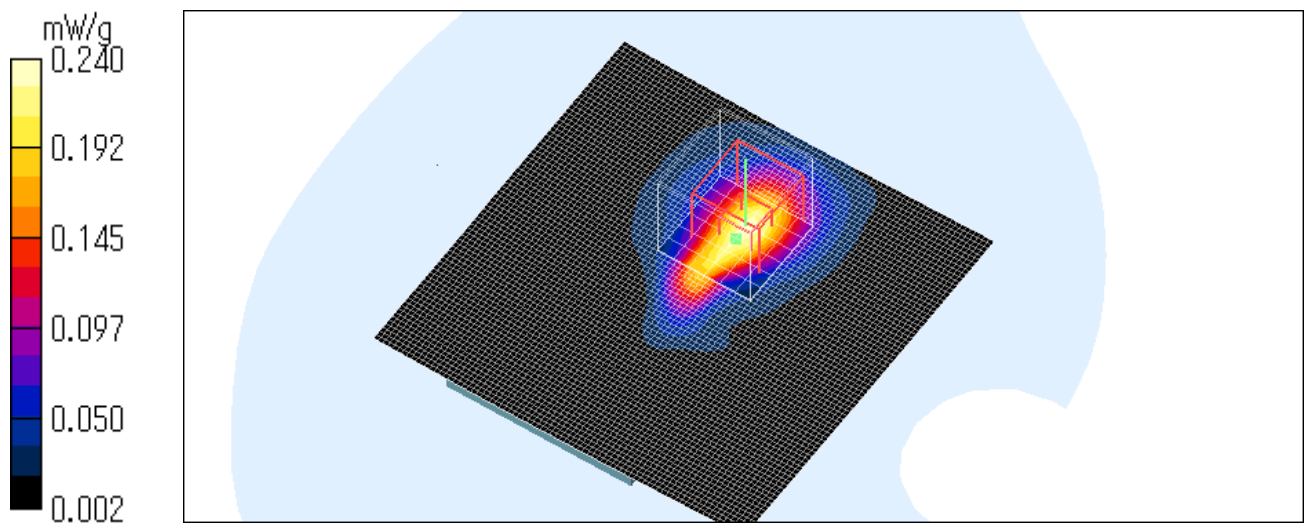
SAR(1 g) = 0.164 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.240 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Left side 10mm / 11b CCK (11Mbps) / 2462MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.108 mW/g

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

Reference Value = 4.41 V/m; Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.149 W/kg

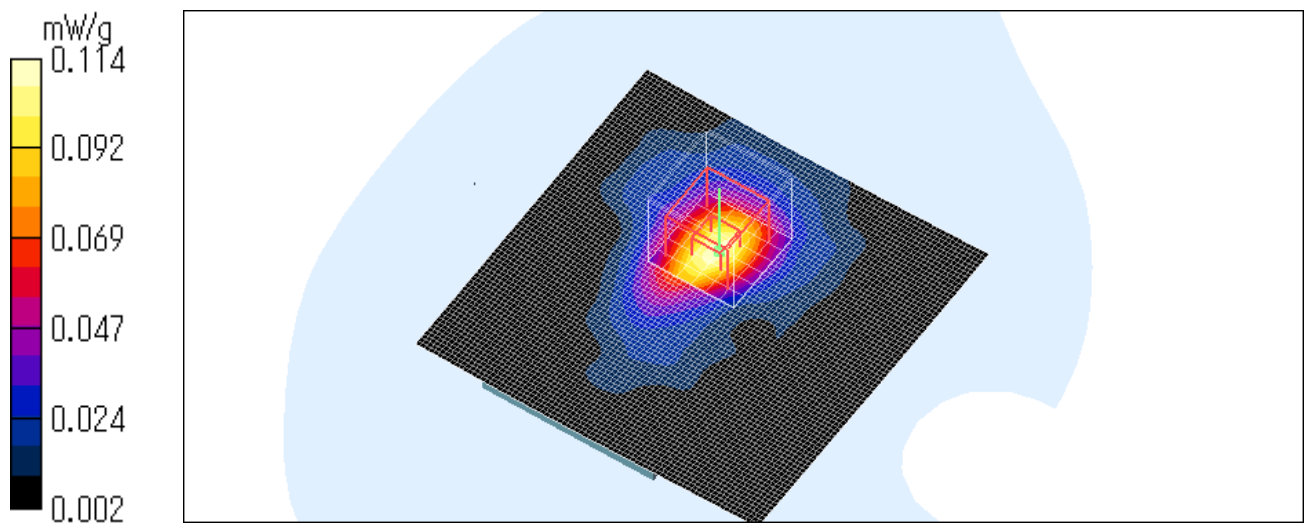
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.114 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Body / Left side 15mm / 11b CCK (11Mbps) / 2462MHz

Crest factor:1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ 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: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.069 mW/g

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

Reference Value = 3.88 V/m; Power Drift = -0.096 dB

Peak SAR (extrapolated) = 0.090 W/kg

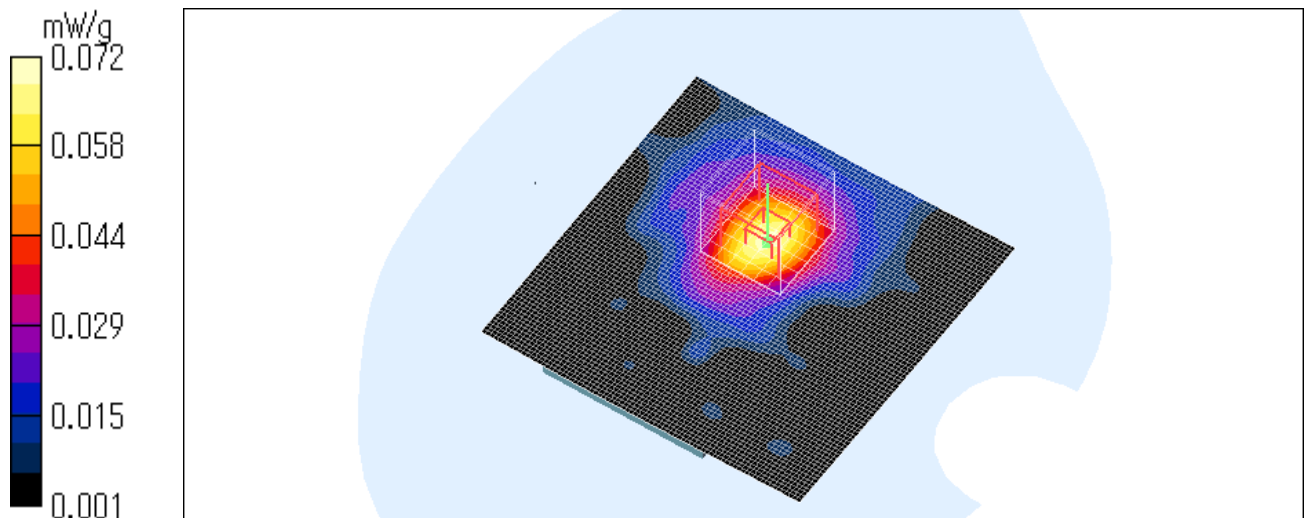
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.072 mW/g

Test Date = 05/11/07

Ambient Temperature = 24.5 degree.c

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



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3. Measurement data (Reference data Head SAR 2450MHz) GC-131 / Head / Front / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450 \text{ MHz}$; $\sigma = 1.88 \text{ mho/m}$; $\epsilon_r = 37.5$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat 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

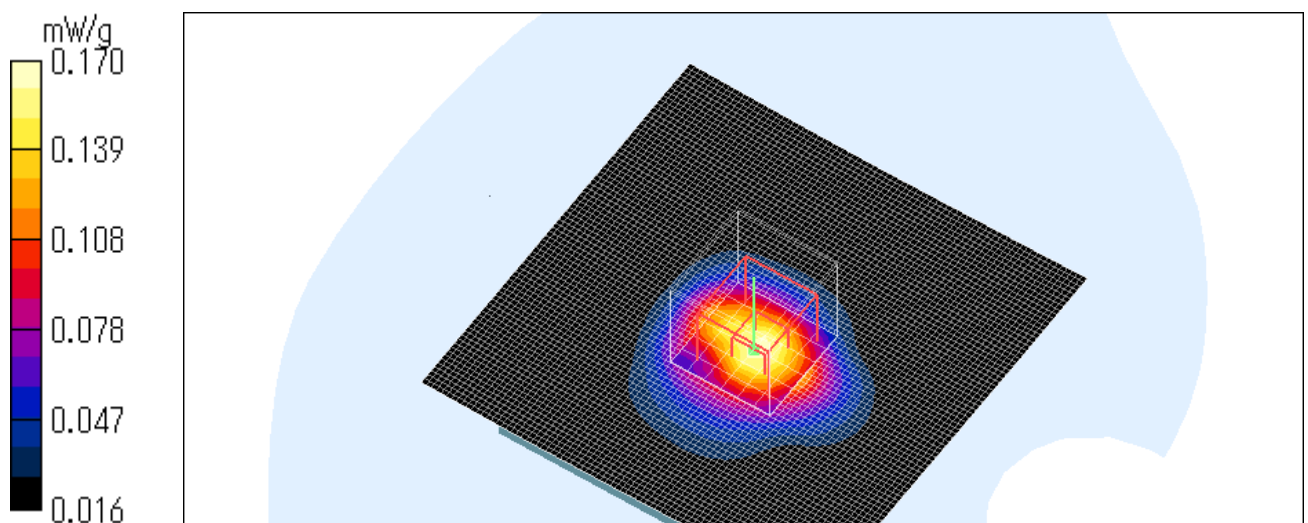
Area Scan (81x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Maximum value of SAR (interpolated) = 0.185 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Reference Value = 11.2 V/m; Power Drift = -0.121 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.117 mW/g; SAR(10 g) = 0.063 mW/g
Maximum value of SAR (measured) = 0.170 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Rear / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.408 mW/g

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

Reference Value = 15.1 V/m; Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.591 W/kg

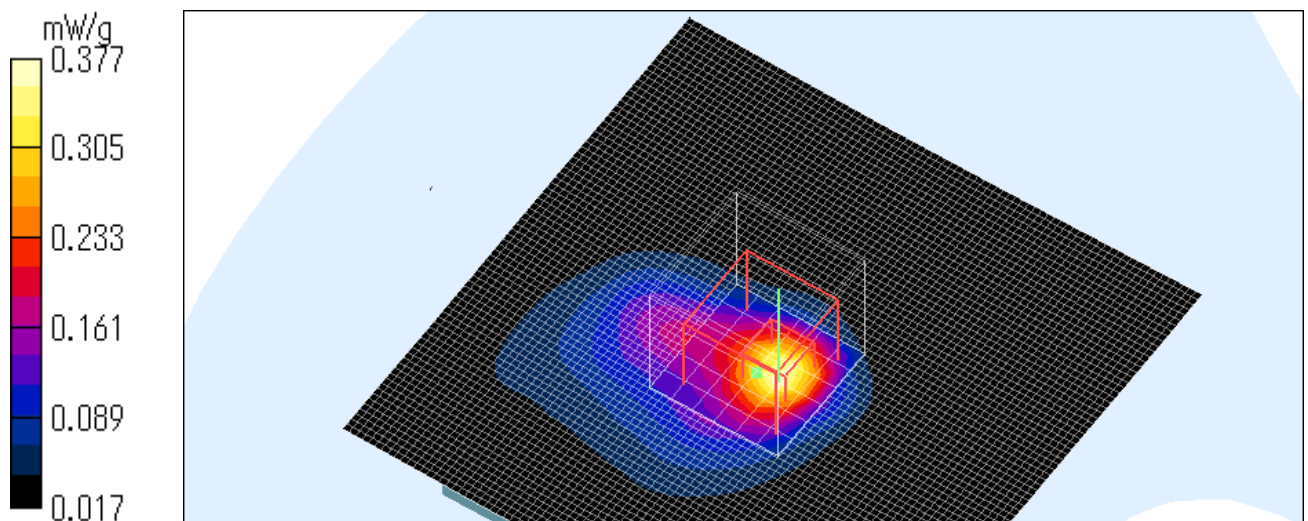
SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.377 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Left side / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.977 mW/g

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

Reference Value = 21.5 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 1.51 W/kg

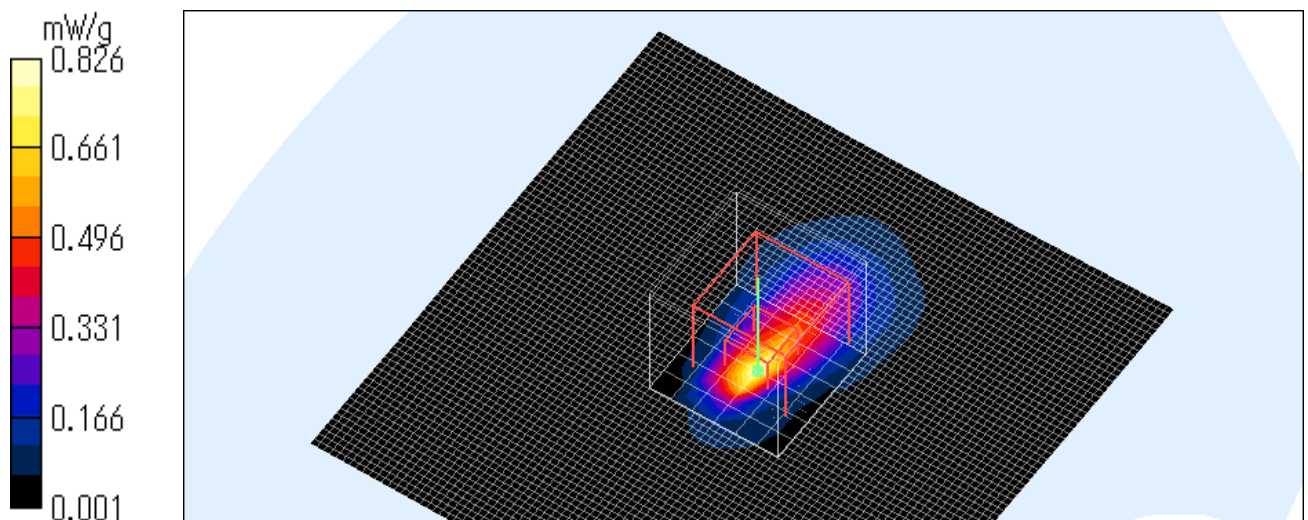
SAR(1 g) = 0.391 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.826 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.5 degree.C , After 23.6 degree.C



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GC-131 / Head / Right side / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.046 mW/g

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

Reference Value = 4.47 V/m; Power Drift = -0.117 dB

Peak SAR (extrapolated) = 0.047 W/kg

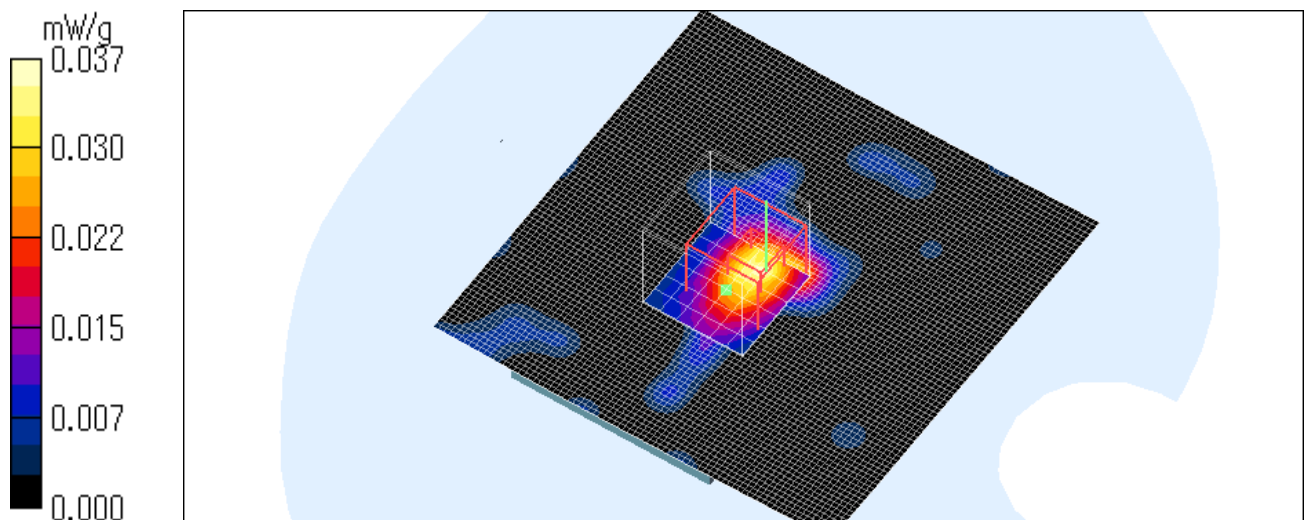
SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.037 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Top / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.93 V/m; Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.281 W/kg

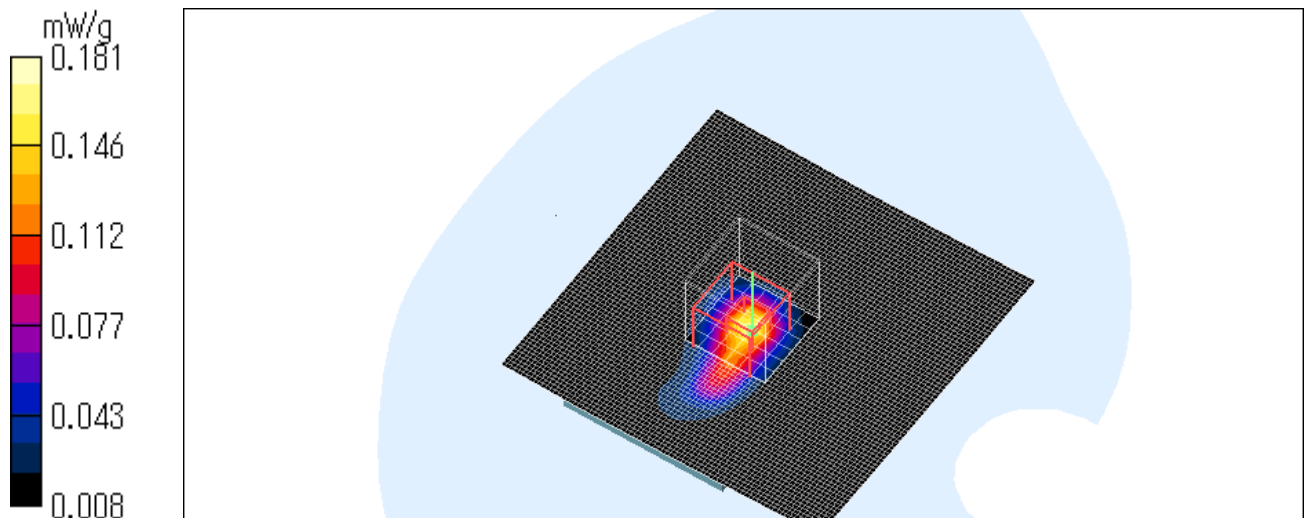
SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.181 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Bottom / 11b CCK (11Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.072 mW/g

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

Reference Value = 5.68 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.116 W/kg

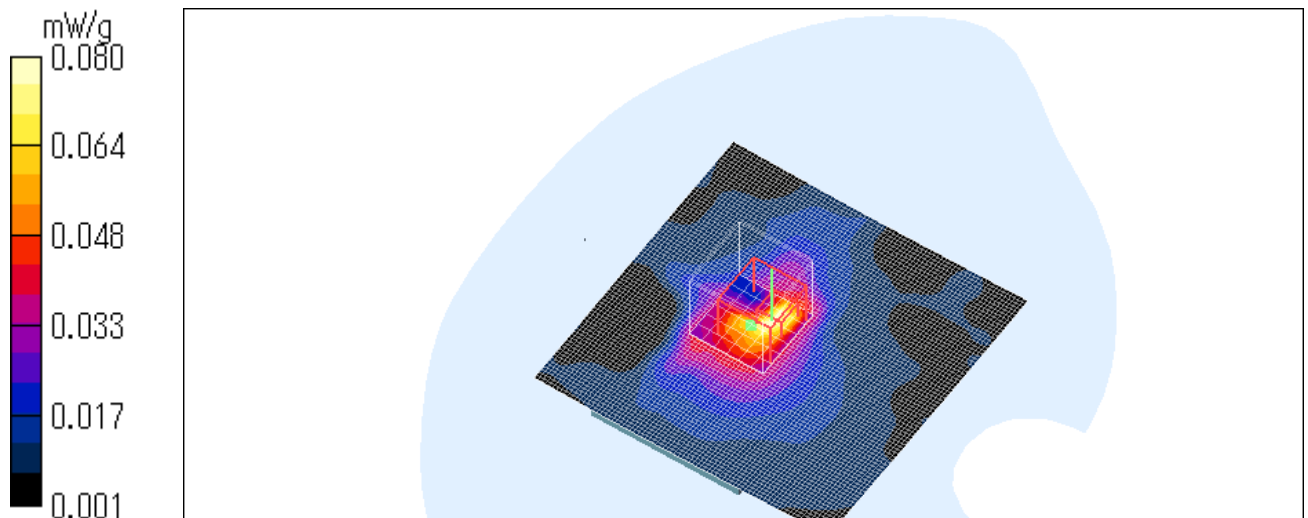
SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.023 mW/g

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

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Left side / 11b CCK (11Mbps) / 2412MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.770 mW/g

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

Reference Value = 16.0 V/m; Power Drift = 0.030 dB

Peak SAR (extrapolated) = 1.63 W/kg

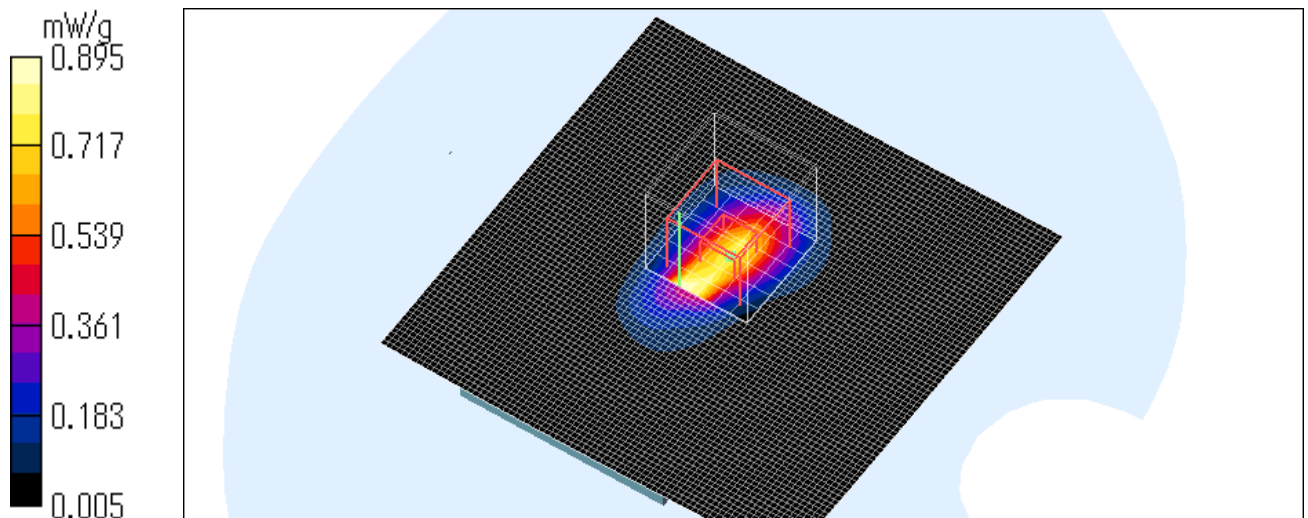
SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.895 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.C

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



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GC-131 / Head / Left side / 11b CCK (11Mbps) / 2462MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.821 mW/g

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

Reference Value = 9.98 V/m; Power Drift = -0.089 dB

Peak SAR (extrapolated) = 2.07 W/kg

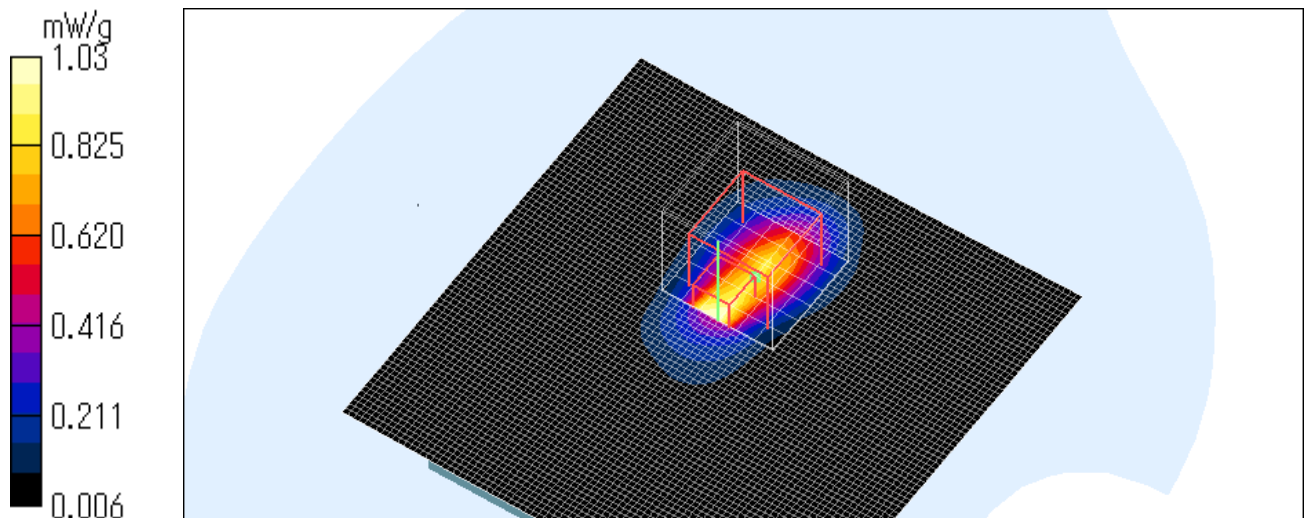
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 1.03 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Left Side / 11g BPSK (6Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.554 mW/g

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

Reference Value = 9.34 V/m; Power Drift = -0.289 dB

Peak SAR (extrapolated) = 1.42 W/kg

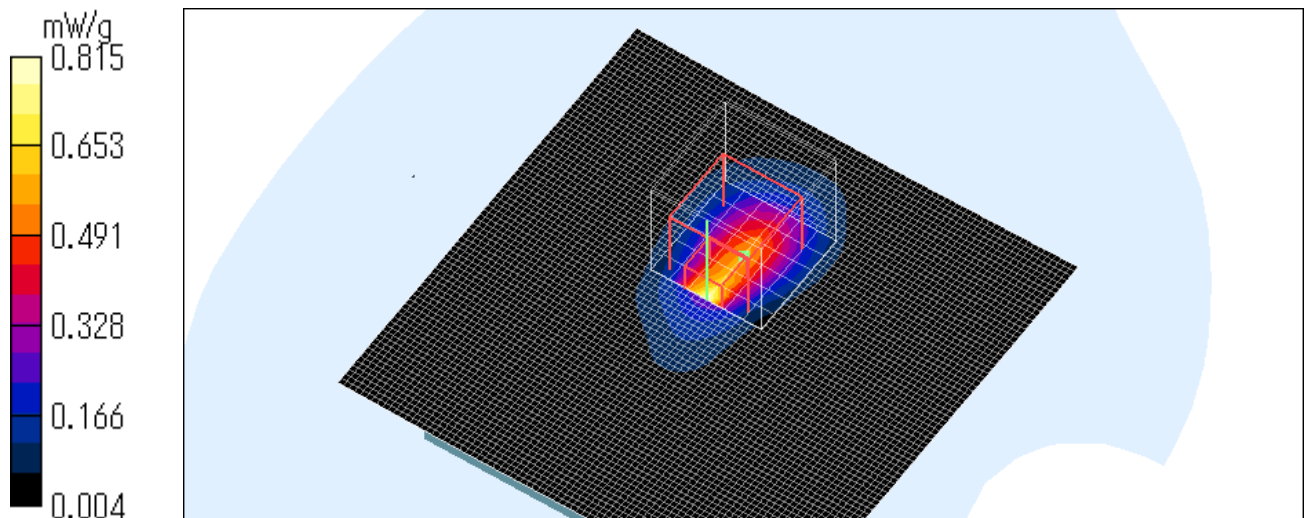
SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.815 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Head / Left side / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.699 mW/g

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

Reference Value = 17.5 V/m; Power Drift = -0.150 dB

Peak SAR (extrapolated) = 1.61 W/kg

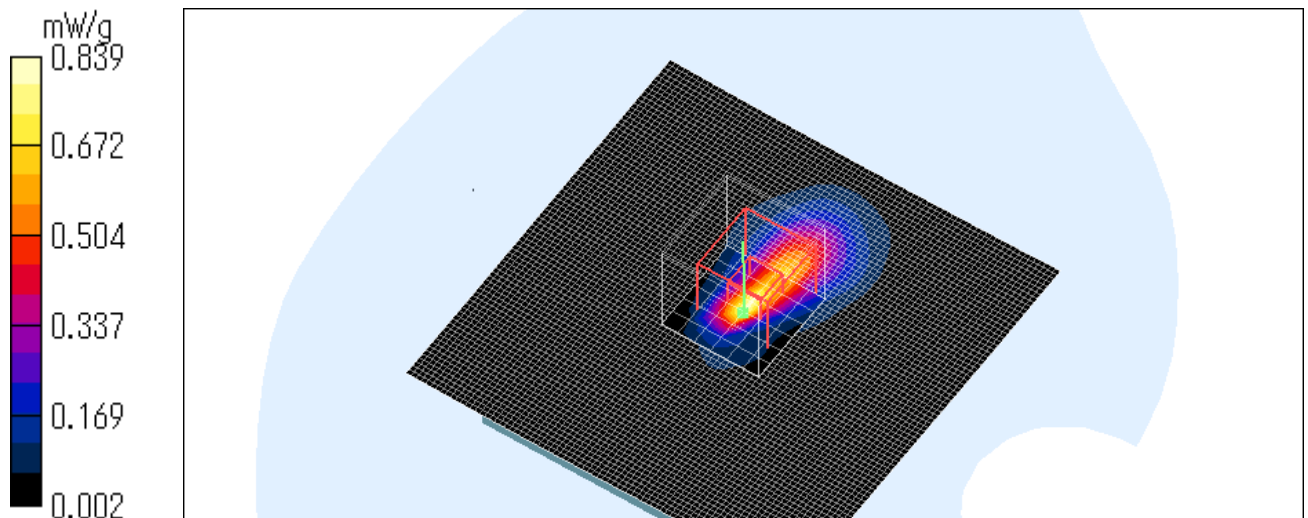
SAR(1 g) = 0.412 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.839 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Head / Left side / 11g 16QAM (24Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.781 mW/g

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

Reference Value = 20.4 V/m; Power Drift = -0.243 dB

Peak SAR (extrapolated) = 1.45 W/kg

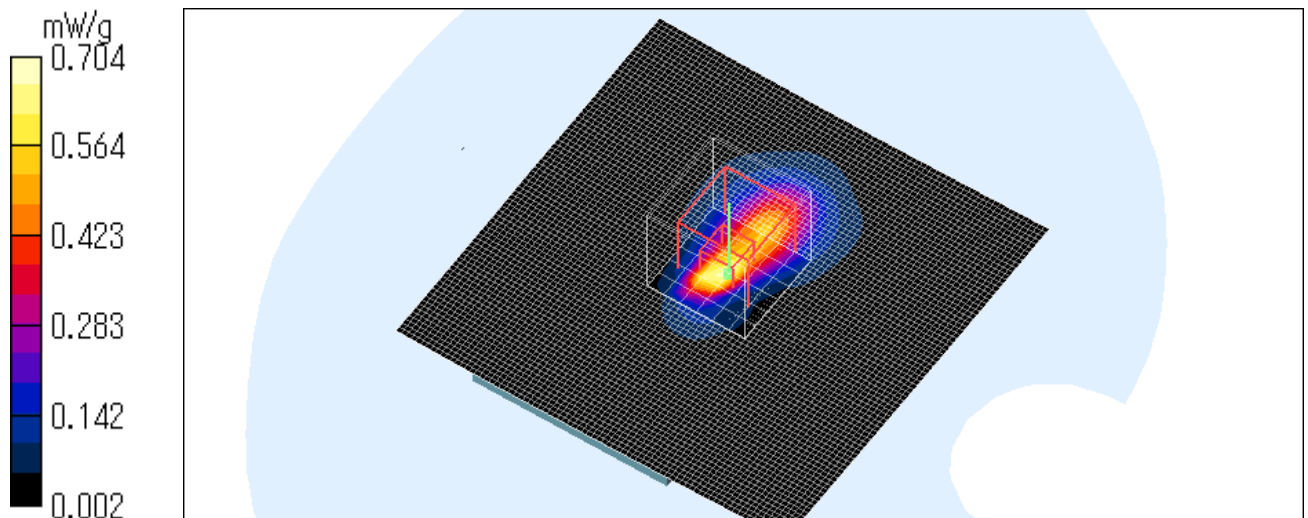
SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.153 mW/g

Maximum value of SAR (measured) = 0.704 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Head / Left side / 11g 64QAM (54Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.510 mW/g

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

Reference Value = 16.1 V/m; Power Drift = -0.254 dB

Peak SAR (extrapolated) = 1.28 W/kg

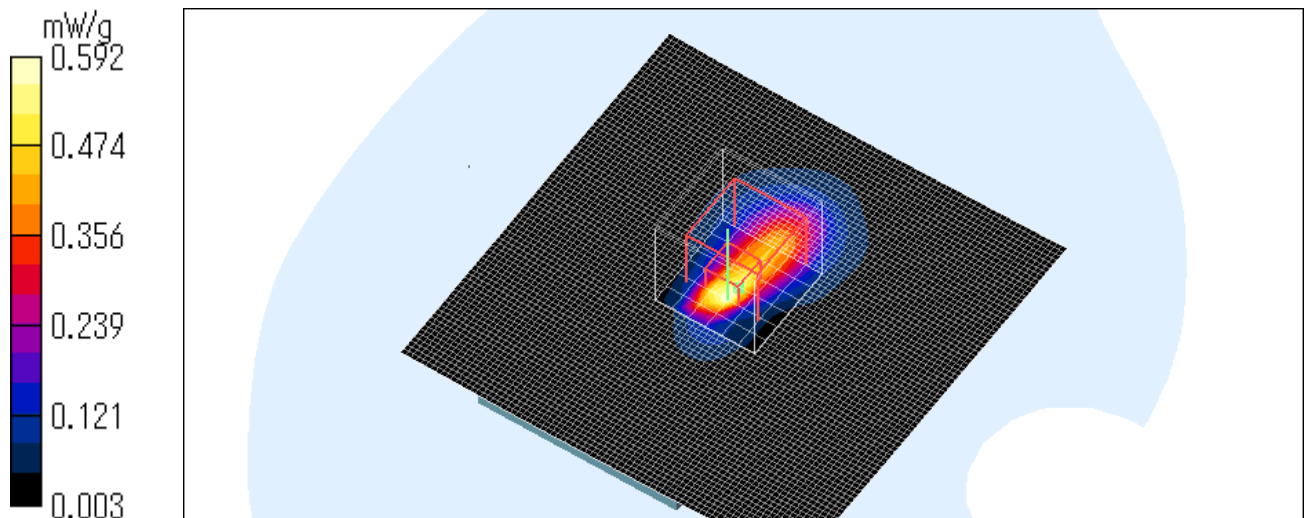
SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.592 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7degree.C , After 23.7 degree.C



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GC-131 / Head / Front / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 8.70 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 0.150 W/kg

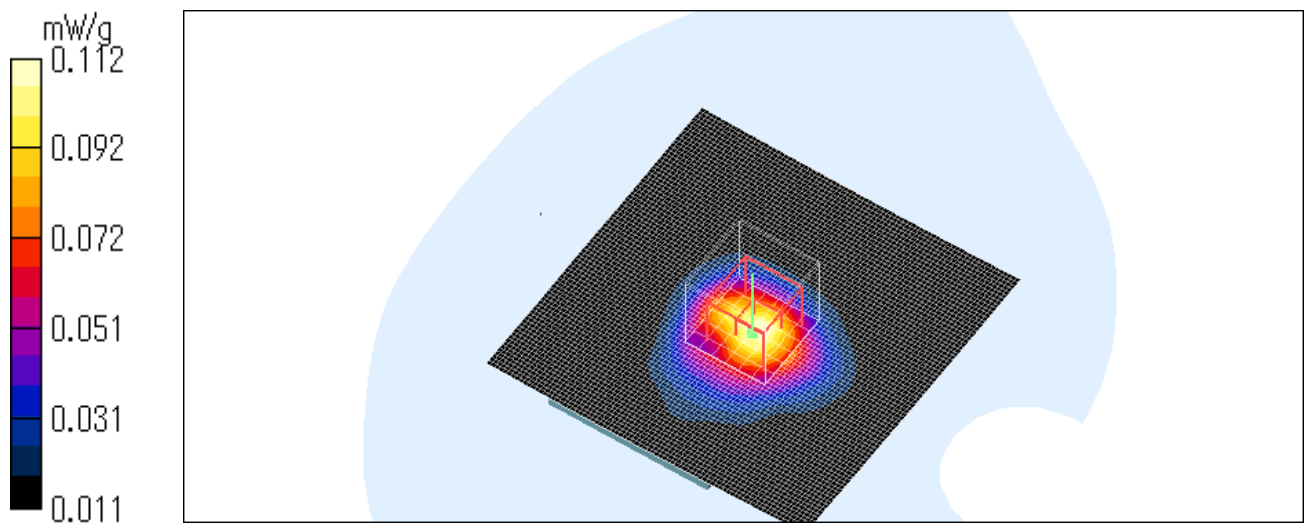
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.112 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.7 degree.C



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GC-131 / Head / Rear / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.176 mW/g

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

Reference Value = 9.15 V/m; Power Drift = -0.208 dB

Peak SAR (extrapolated) = 0.340 W/kg

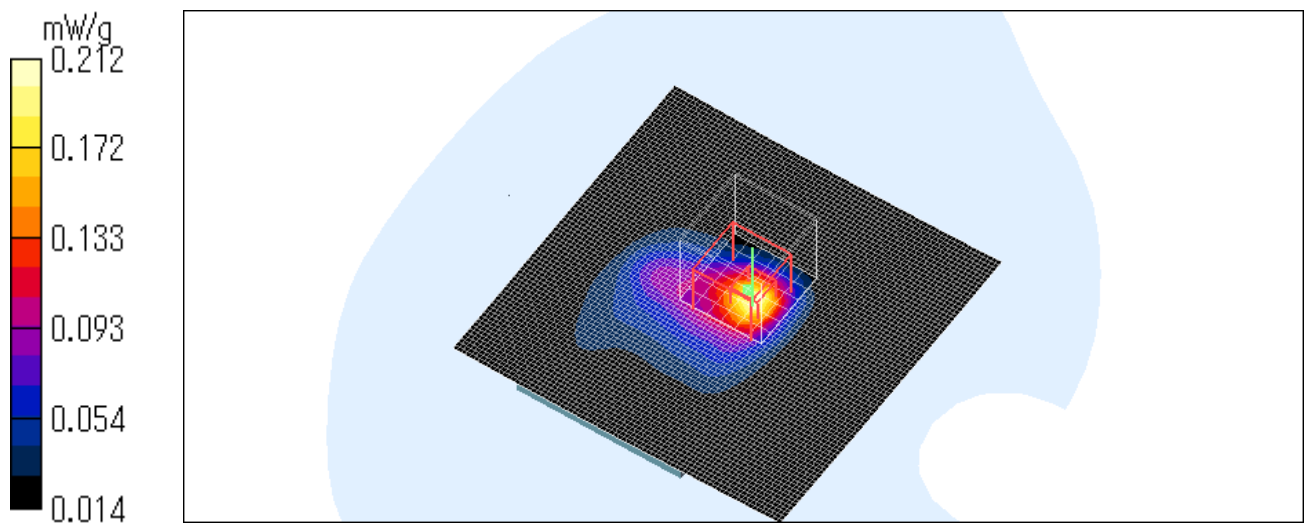
SAR(1 g) = 0.131 mW/g; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.212 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.7 degree.C , After 23.9 degree.C



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GC-131 / Head / Right side / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 1.67 V/m; Power Drift = -0.242 dB

Peak SAR (extrapolated) = 0.014 W/kg

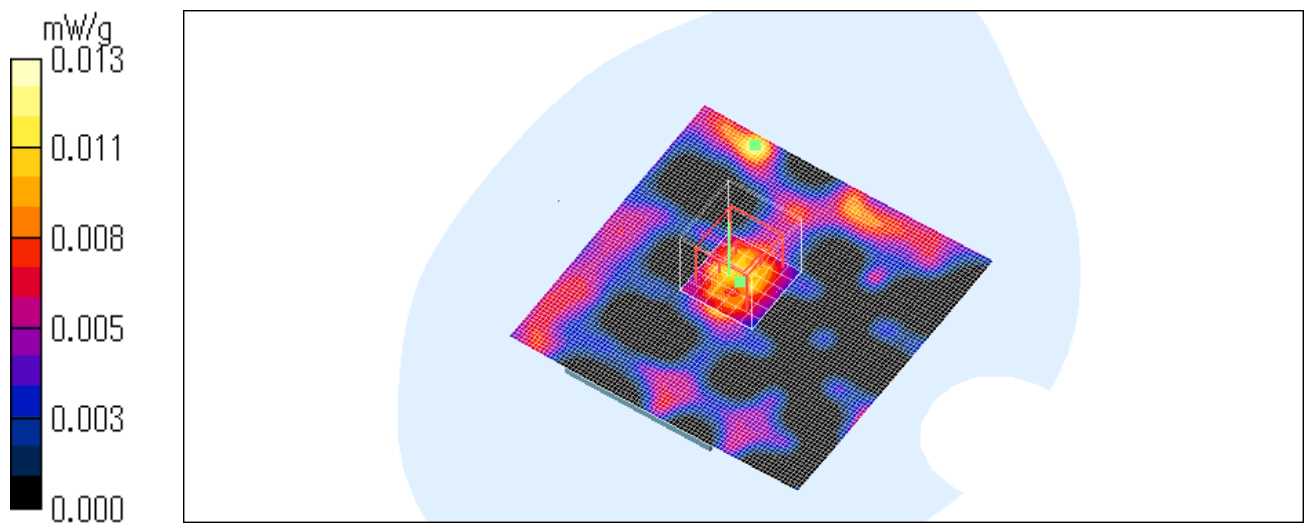
SAR(1 g) = 0.00835 mW/g; SAR(10 g) = 0.00579 mW/g

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

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.9 degree.C , After 23.9 degree.C



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GC-131 / Head / Top / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.136 mW/g

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

Reference Value = 4.37 V/m; Power Drift = -0.120 dB

Peak SAR (extrapolated) = 0.202 W/kg

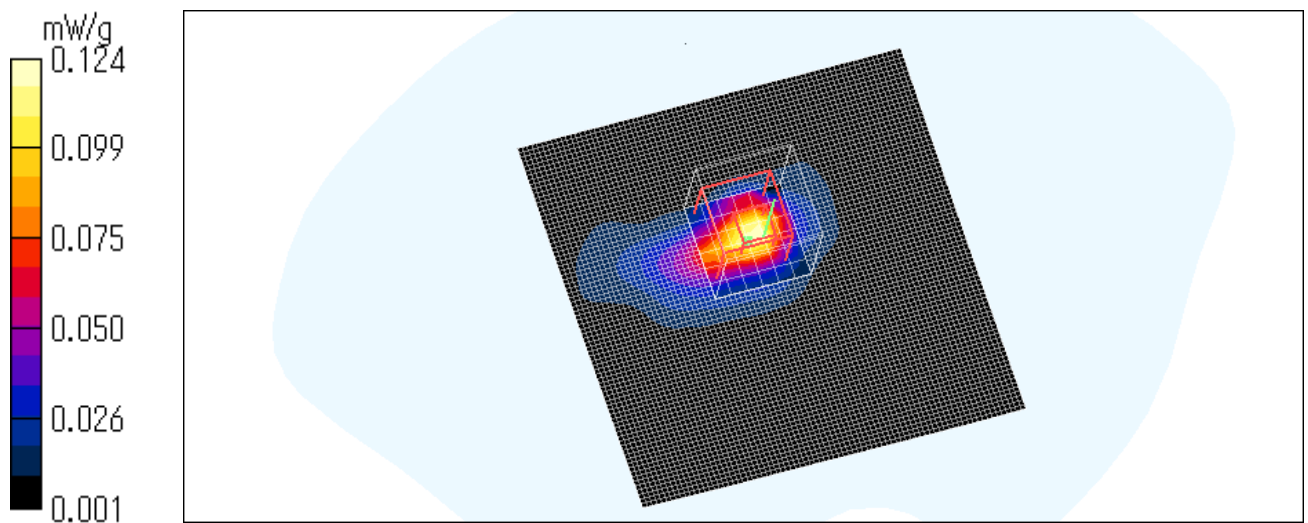
SAR(1 g) = 0.079 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.124 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.9 degree.C , After 23.9 degree.C



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GC-131 / Head / Bottom / 11g QPSK (12Mbps) / 2437MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 7.20 V/m; Power Drift = -0.199 dB

Peak SAR (extrapolated) = 0.113 W/kg

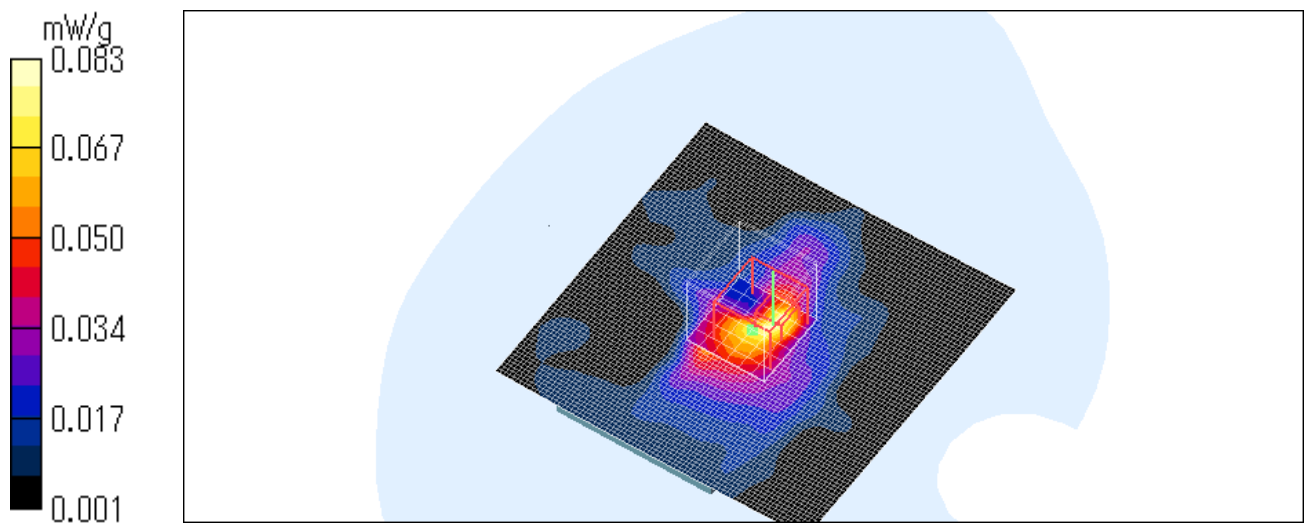
SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.024 mW/g

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

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.9 degree.C , After 24.0 degree.C



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GC-131 / Head / Left side / 11g QPSK (12Mbps) / 2412MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.523 mW/g

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

Reference Value = 12.5 V/m; Power Drift = -0.207 dB

Peak SAR (extrapolated) = 1.24 W/kg

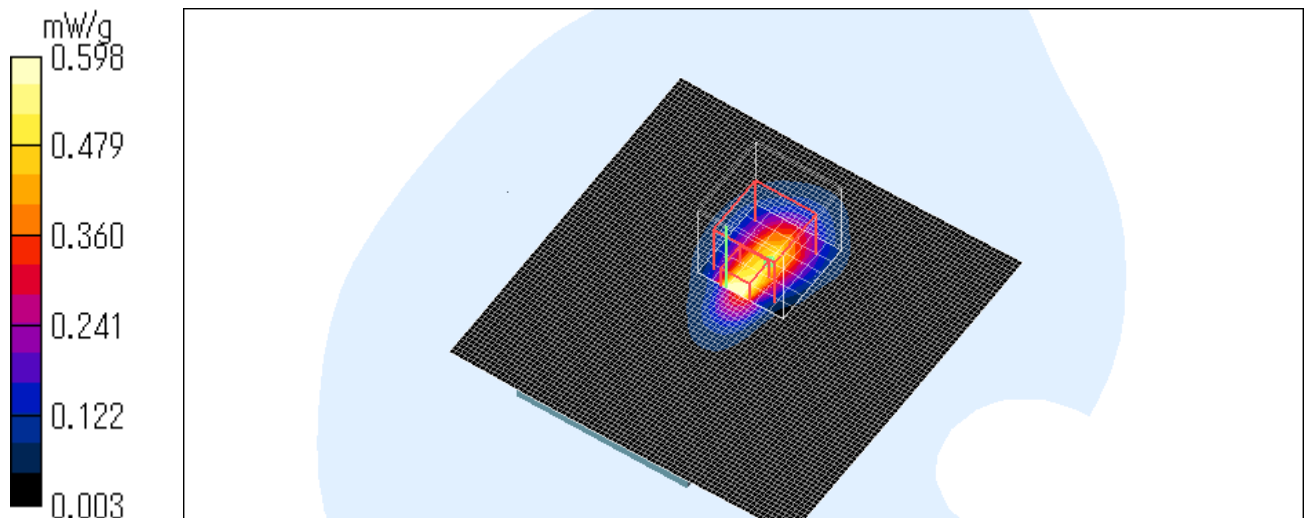
SAR(1 g) = 0.355 mW/g; SAR(10 g) = 0.160 mW/g

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

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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GC-131 / Head / Left side / 11g QPSK (12Mbps) / 2462MHz

Crest factor:1

Medium: HSL2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.88$ mho/m; $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³

Phantom section: Flat 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.735 mW/g

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

Reference Value = 13.3 V/m; Power Drift = -0.331 dB

Peak SAR (extrapolated) = 1.73 W/kg

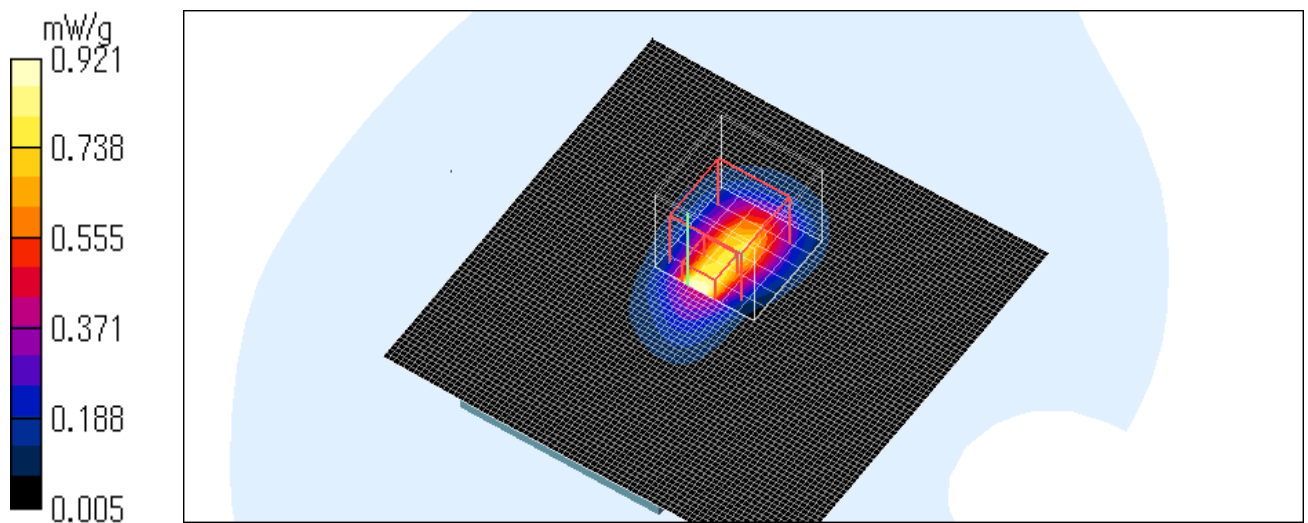
SAR(1 g) = 0.537 mW/g; SAR(10 g) = 0.245 mW/g

Maximum value of SAR (measured) = 0.921 mW/g

Test Date = 05/09/07

Ambient Temperature = 24.5 degree.c

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



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