

Test report No. : 29CE0014-HO-01-C-R1
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APPENDIX 2 : SAR Measurement data

UL Japan, Inc.
Head Office EMC Lab.
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8116
Facsimile : +81 596 24 8124

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 2.7mm 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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Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Facsimile : +81 596 24 8124

2. Measurement data (SAR 2450MHz)

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm
Maximum value of SAR (interpolated) = 0.606 mW/g

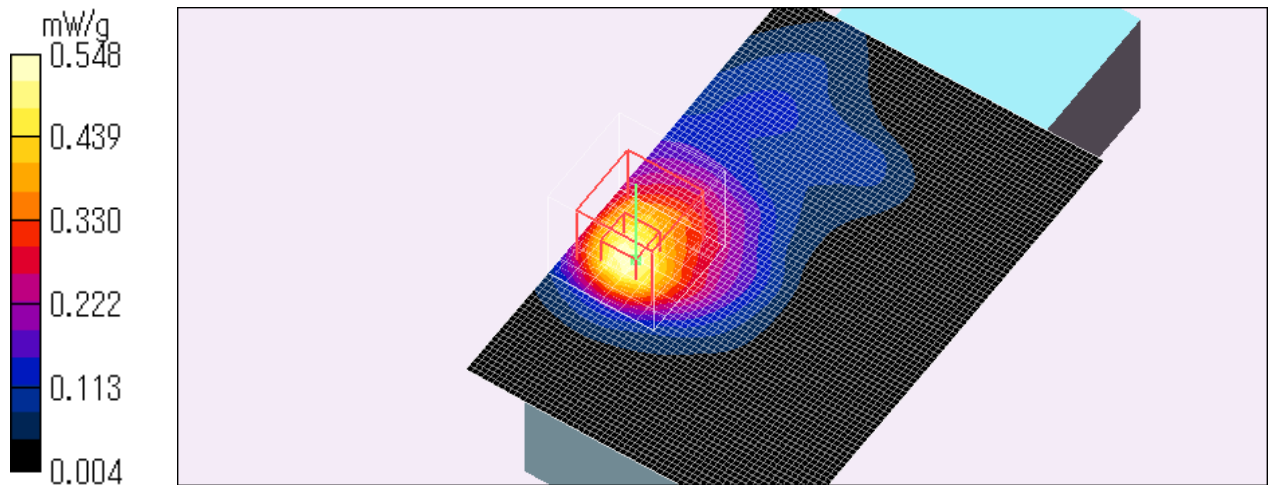
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm
Reference Value = 8.13 V/m; Power Drift = 0.129 dB
Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.198 mW/g
Maximum value of SAR (measured) = 0.548 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Right side/ 11b CCK(11Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.058 mW/g

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

Reference Value = 3.20 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.076 W/kg

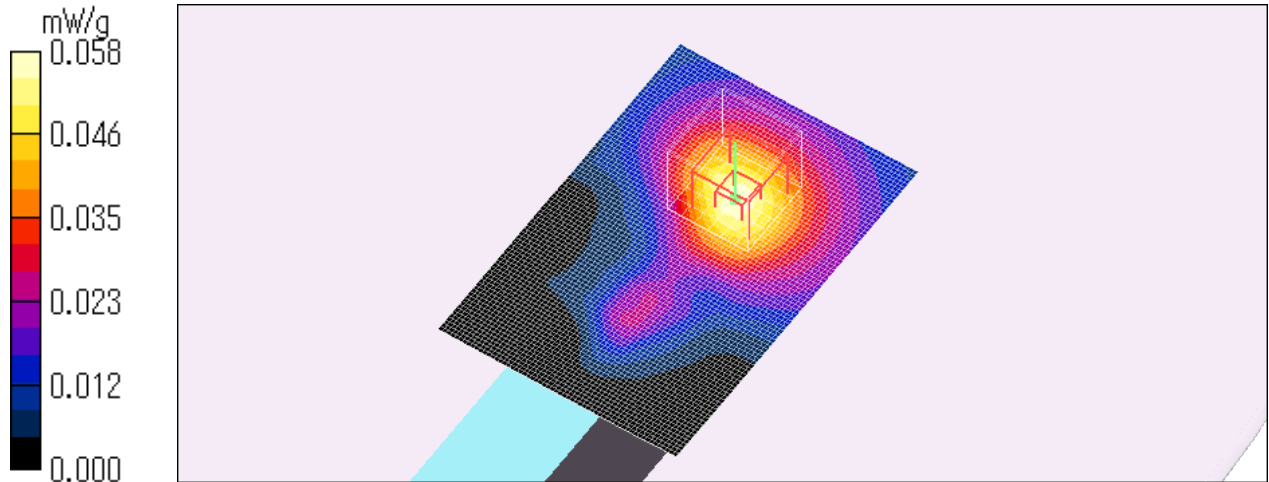
SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.058 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



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PI-13700-W / Body/ Left side/ 11b CCK(11Mbps)/ 2437MHz

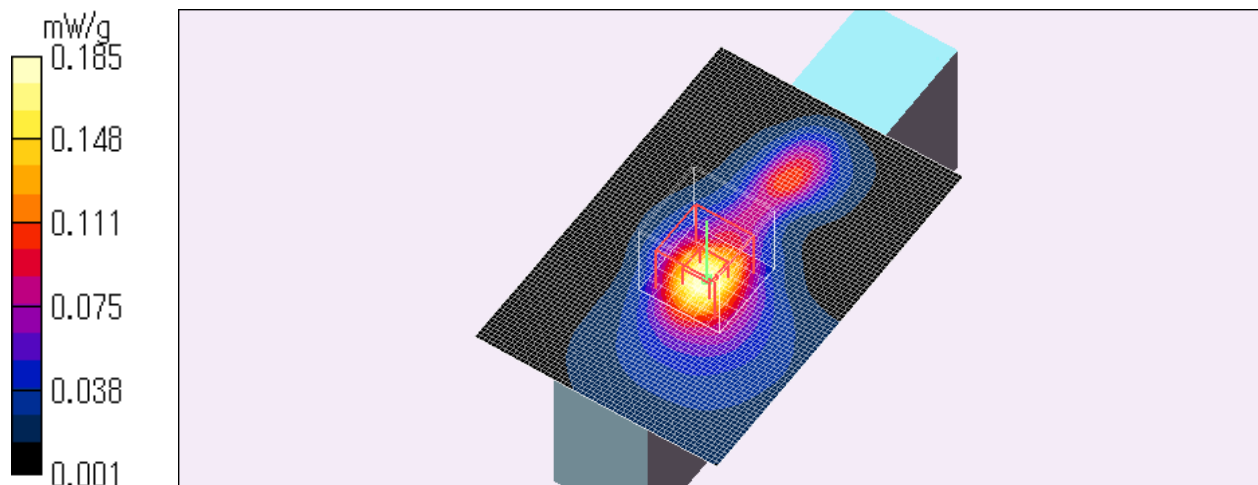
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.185 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 7.40 V/m; Power Drift = 0.021 dB
Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.065 mW/g
Maximum value of SAR (measured) = 0.185 mW/g

Test Date = 12/17/08
Ambient Temperature = 24.5 degree.c
Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



PI-13700-W / Body/ Rear/ 11b CCK(11Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 4.10 V/m; Power Drift = -0.159 dB

Peak SAR (extrapolated) = 0.096 W/kg

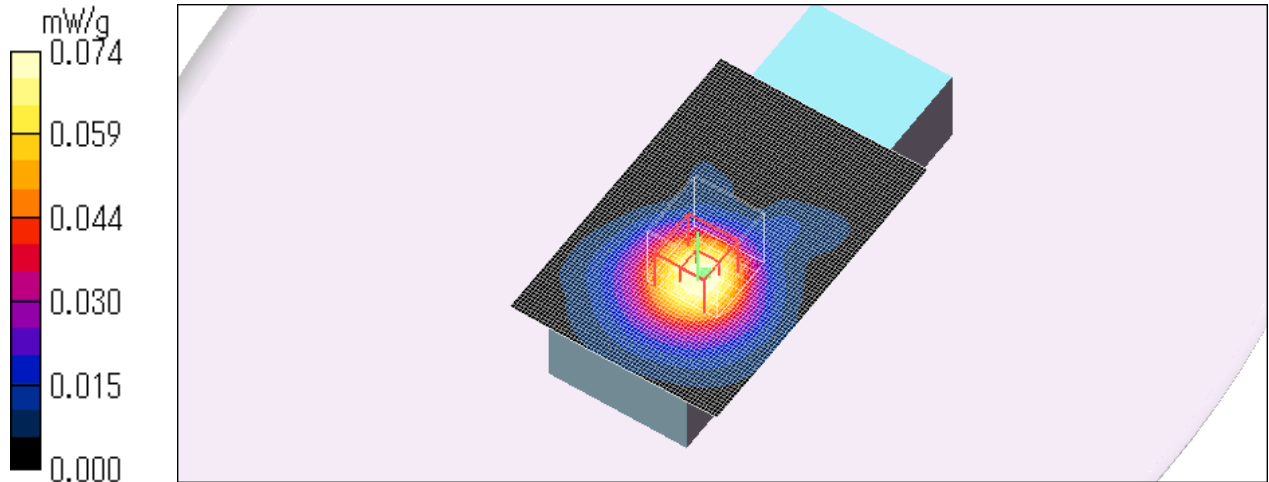
SAR(1 g) = 0.054 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.074 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.561 mW/g

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

Reference Value = 13.3 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.667 W/kg

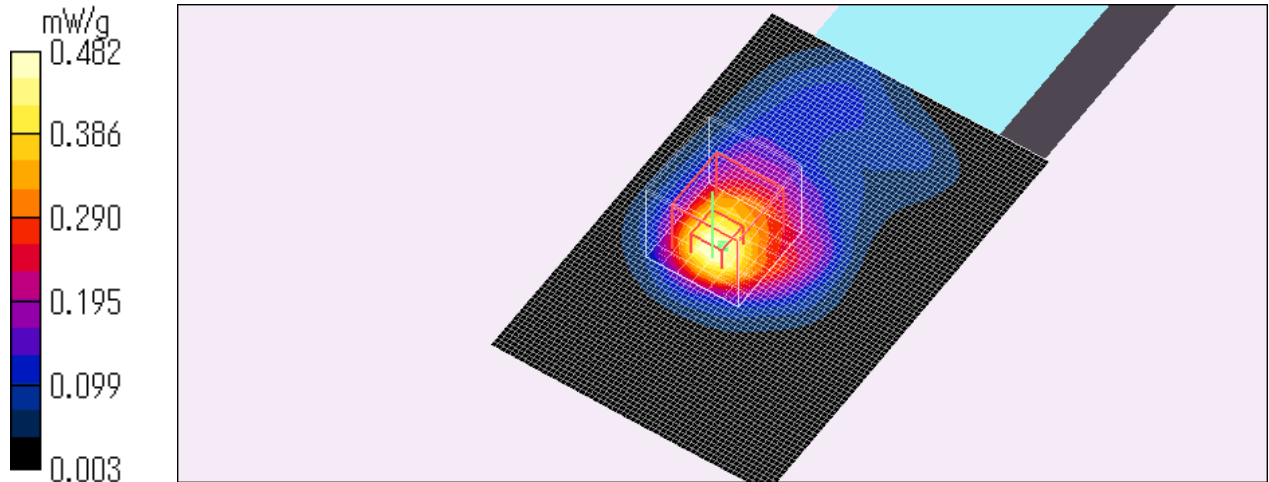
SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.482 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.832 mW/g

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

Reference Value = 17.1 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 1.13 W/kg

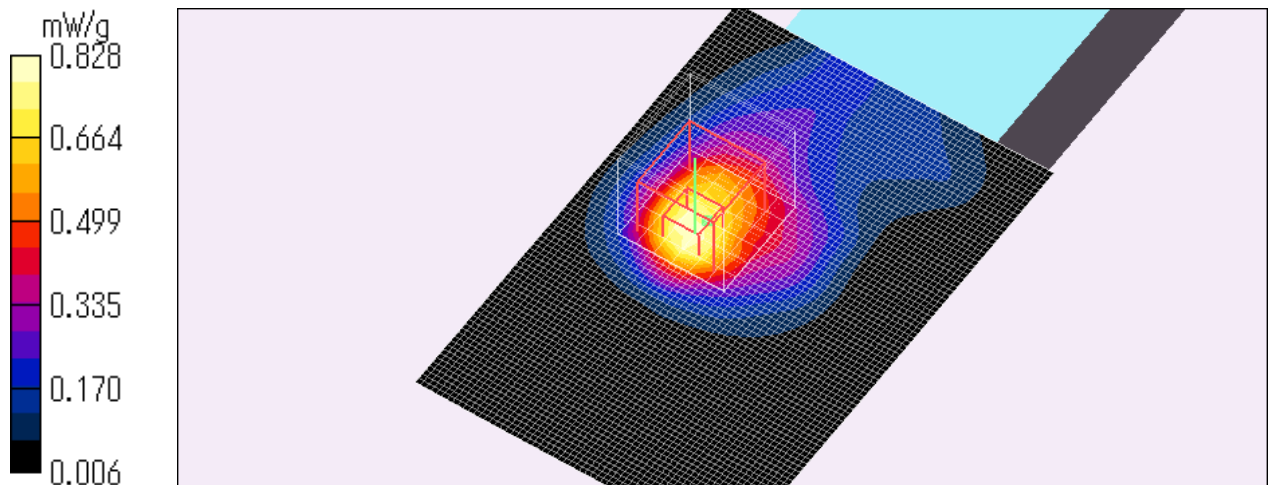
SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.828 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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Z-axis scan at max SAR location

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

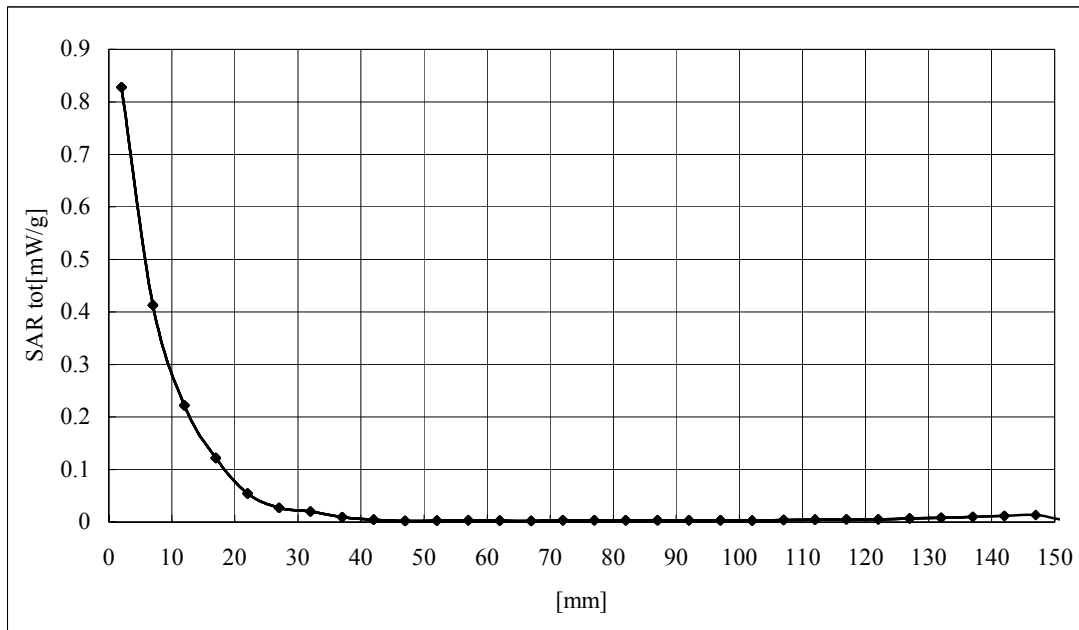
DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184



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Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g BPSK(6Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.332 mW/g

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

Reference Value = 9.14 V/m; Power Drift = -0.115 dB

Peak SAR (extrapolated) = 0.434 W/kg

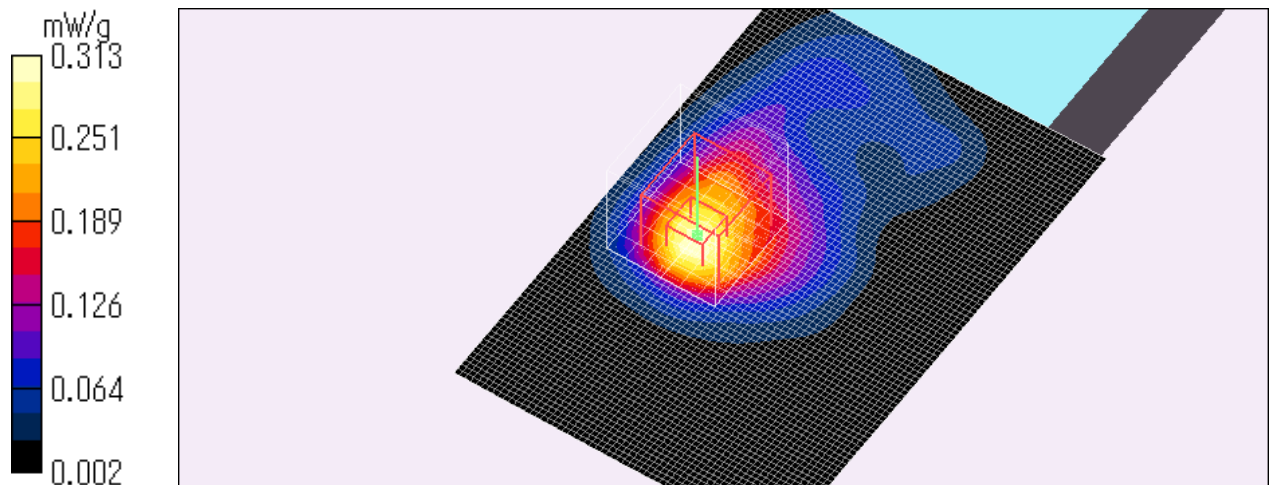
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.313 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g QPSK(12Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.320 mW/g

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

Reference Value = 12.6 V/m; Power Drift = -0.114 dB

Peak SAR (extrapolated) = 0.427 W/kg

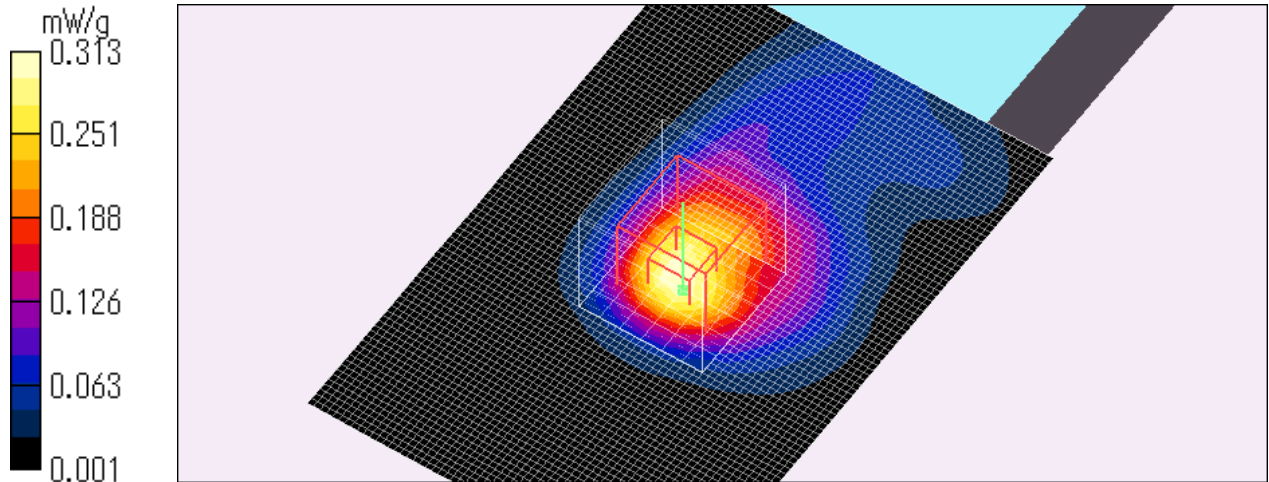
SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.313 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g 16QAM(36Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.337 mW/g

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

Reference Value = 8.24 V/m; Power Drift = -0.136 dB

Peak SAR (extrapolated) = 0.444 W/kg

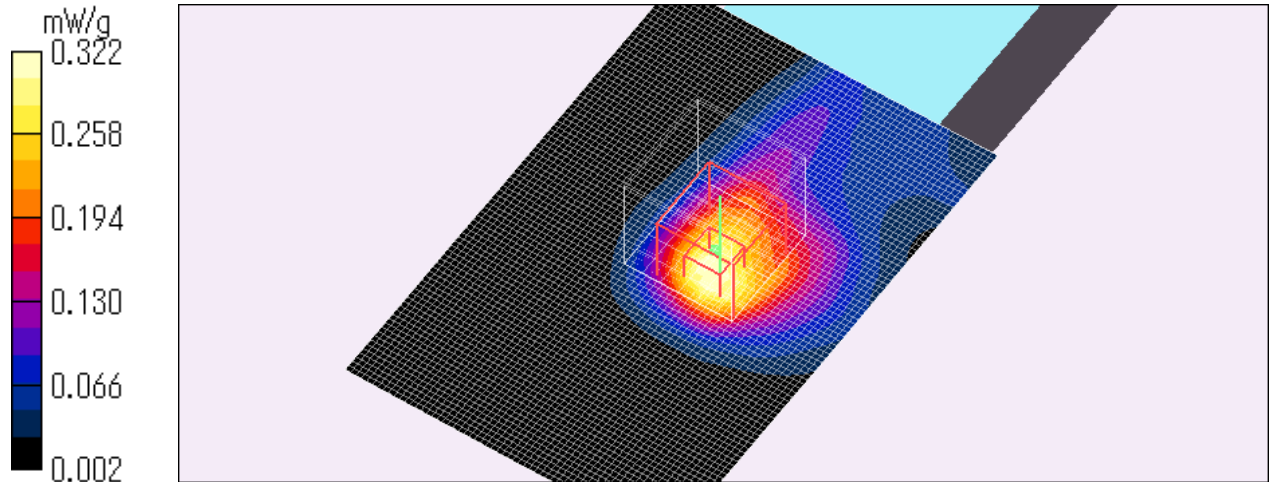
SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.322 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g 64QAM(48Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.334 mW/g

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

Reference Value = 12.2 V/m; Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.431 W/kg

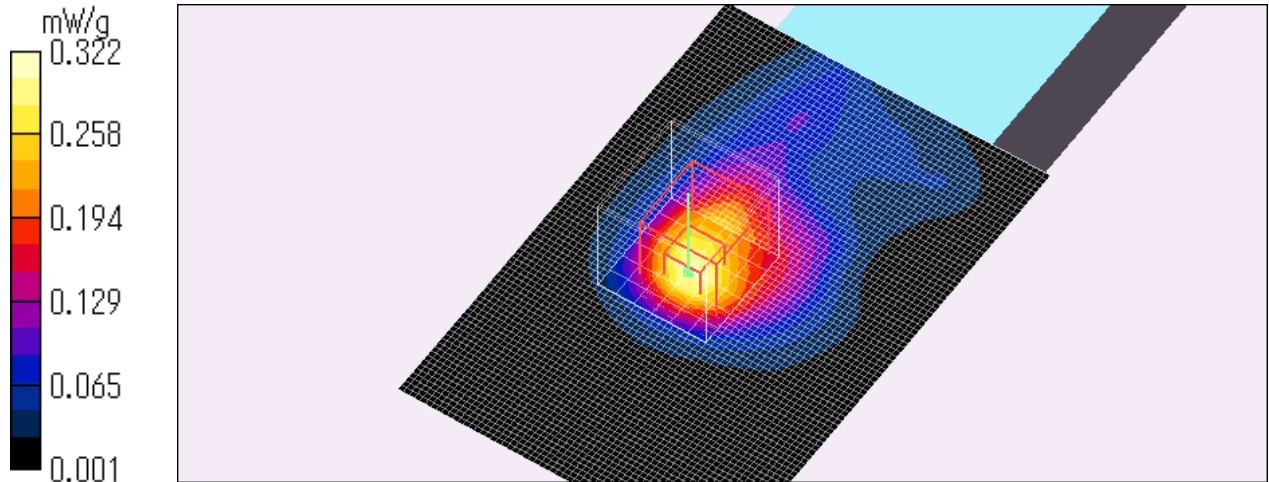
SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.322 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Right side/ 11g 16QAM(36Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.036 mW/g

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

Reference Value = 4.28 V/m; Power Drift = -0.158 dB

Peak SAR (extrapolated) = 0.049 W/kg

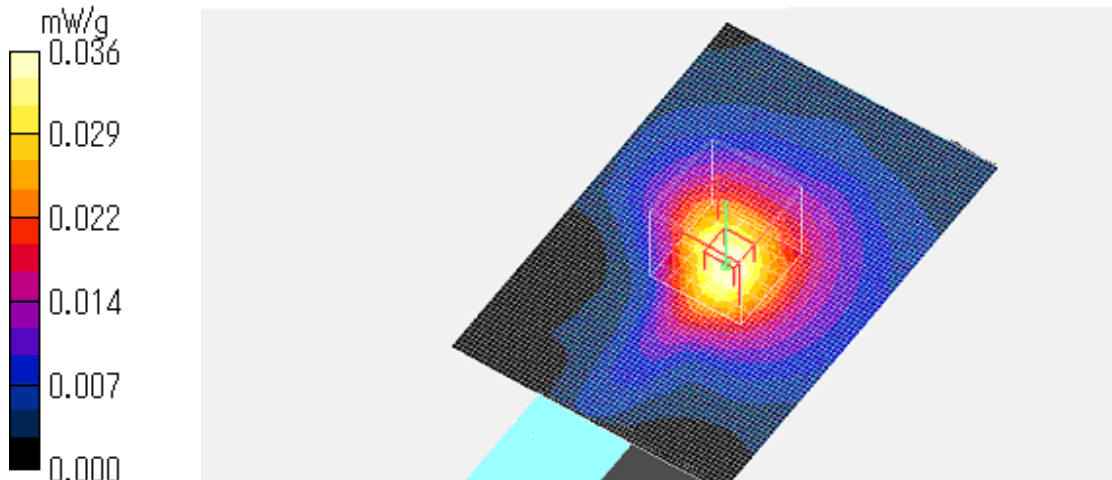
SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.036 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



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PI-13700-W / Body/ Left side/ 11g 16QAM(36Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.125 mW/g

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

Reference Value = 6.91 V/m; Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.173 W/kg

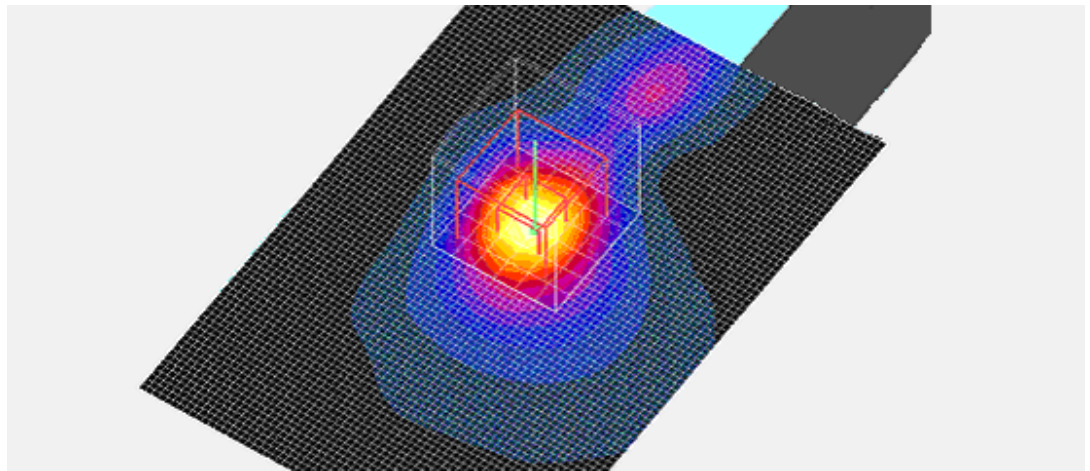
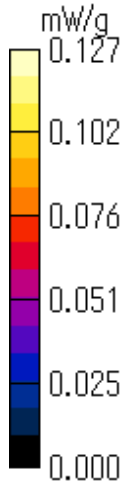
SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.041 mW/g

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

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



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PI-13700-W / Body/ Rear/ 11g 16QAM(36Mbps)/ 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 6.73 V/m; Power Drift = -0.176 dB

Peak SAR (extrapolated) = 0.114 W/kg

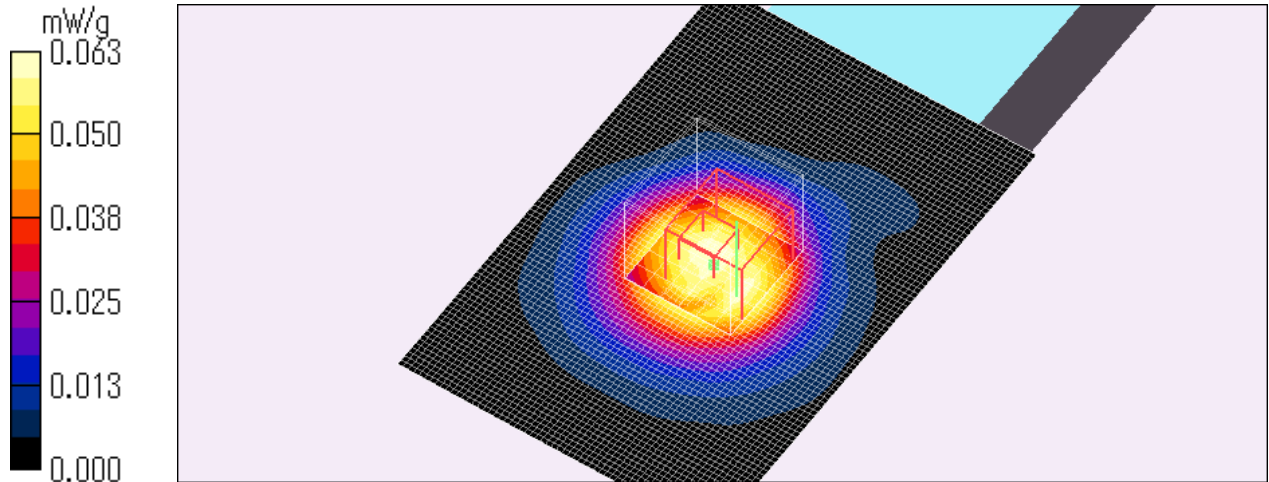
SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.063 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g 16QAM(36Mbps)/ 2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.215 mW/g

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

Reference Value = 10.2 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.281 W/kg

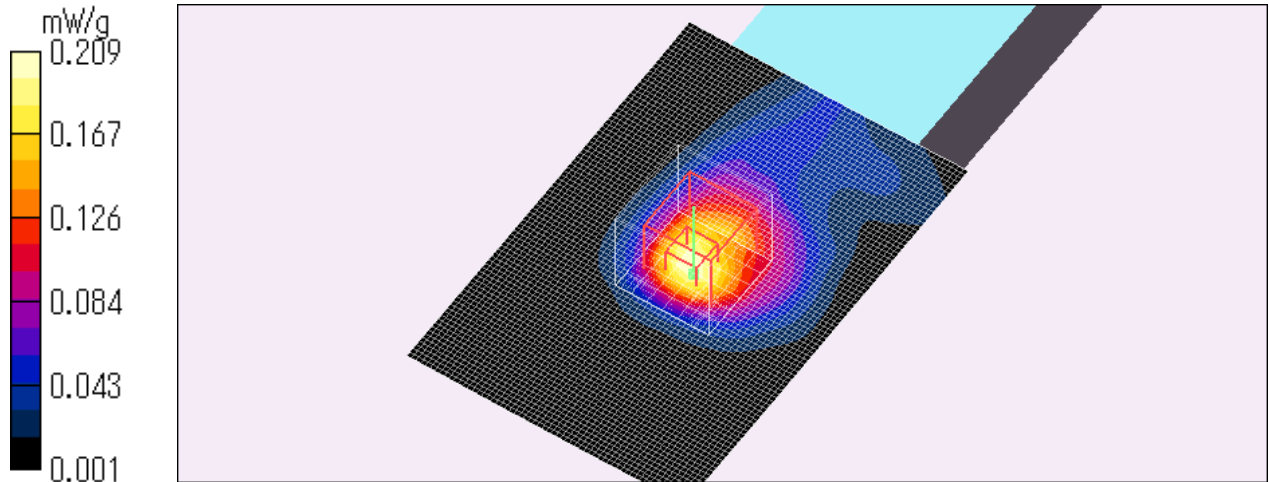
SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.075 mW/g

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

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g 16QAM(36Mbps)/ 2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.404 mW/g

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

Reference Value = 11.0 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 0.537 W/kg

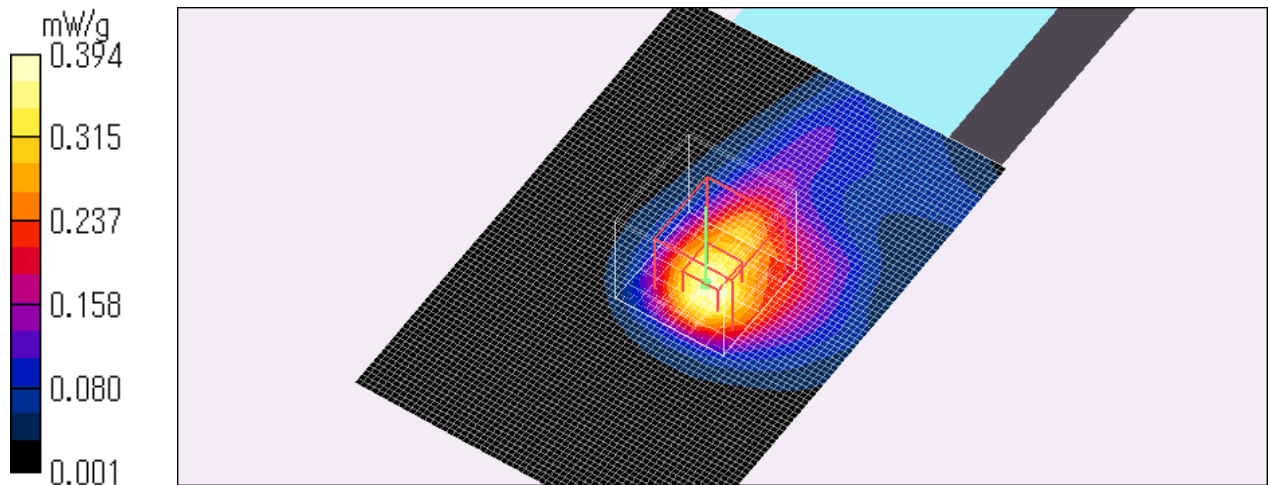
SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.394 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz/ Separation 5mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom ELI4.0
- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.539 mW/g

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

Reference Value = 8.89 V/m; Power Drift = -0.141 dB

Peak SAR (extrapolated) = 0.660 W/kg

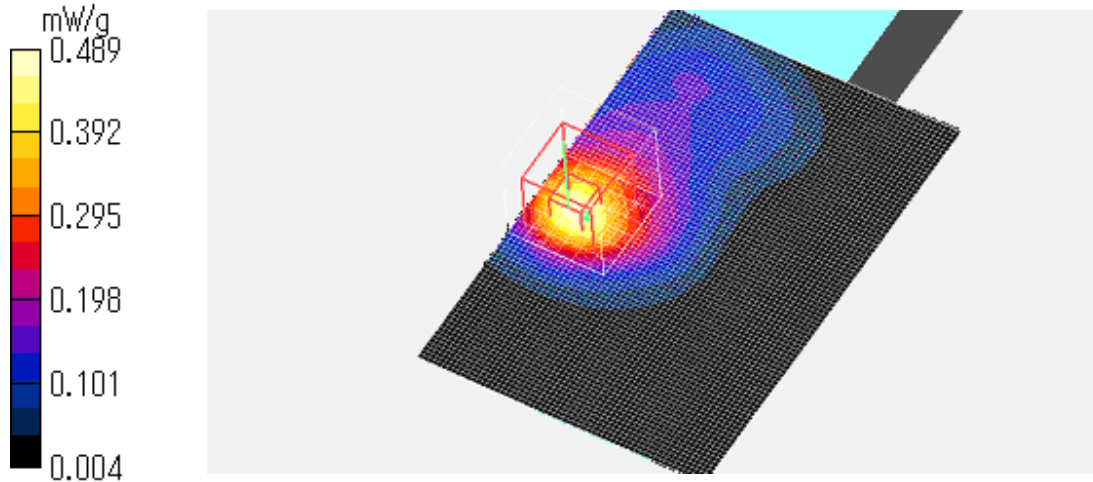
SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.489 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz/ Separation 10mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.303 mW/g

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

Reference Value = 11.8 V/m; Power Drift = -0.191 dB

Peak SAR (extrapolated) = 0.383 W/kg

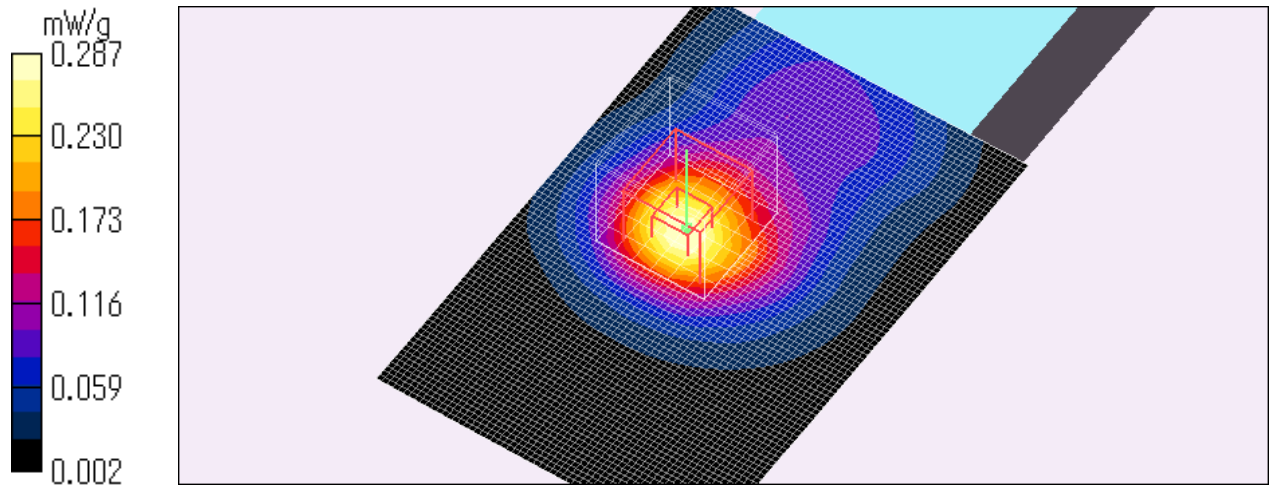
SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.287 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz/ Separation 15mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 7.73 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 0.182 W/kg

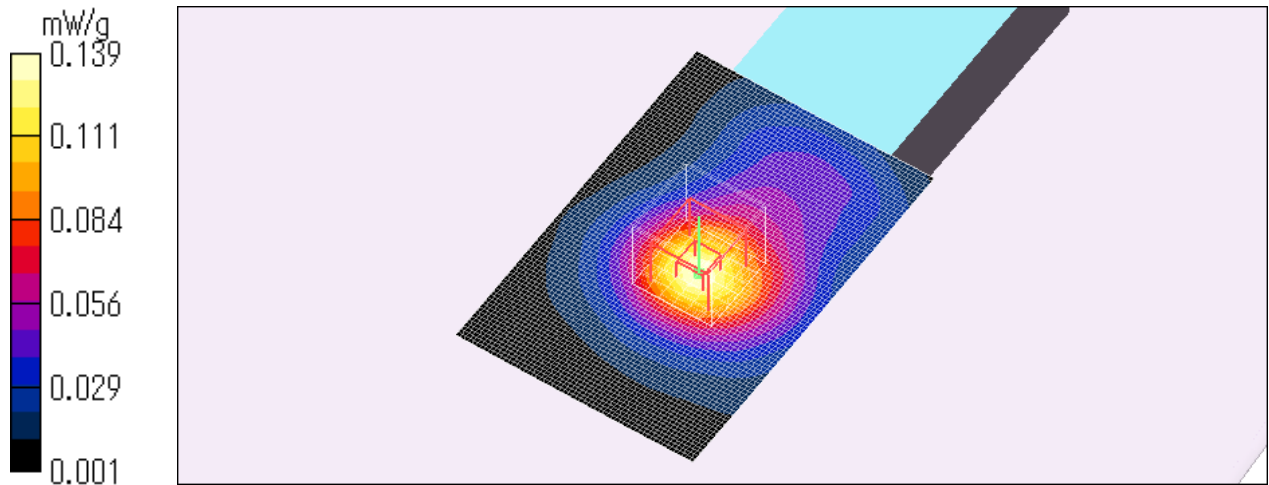
SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.055 mW/g

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

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz/ Change to the crest factor (PAR)

Crest factor: 1.6

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.837 mW/g

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

Reference Value = 17.2 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 1.14 W/kg

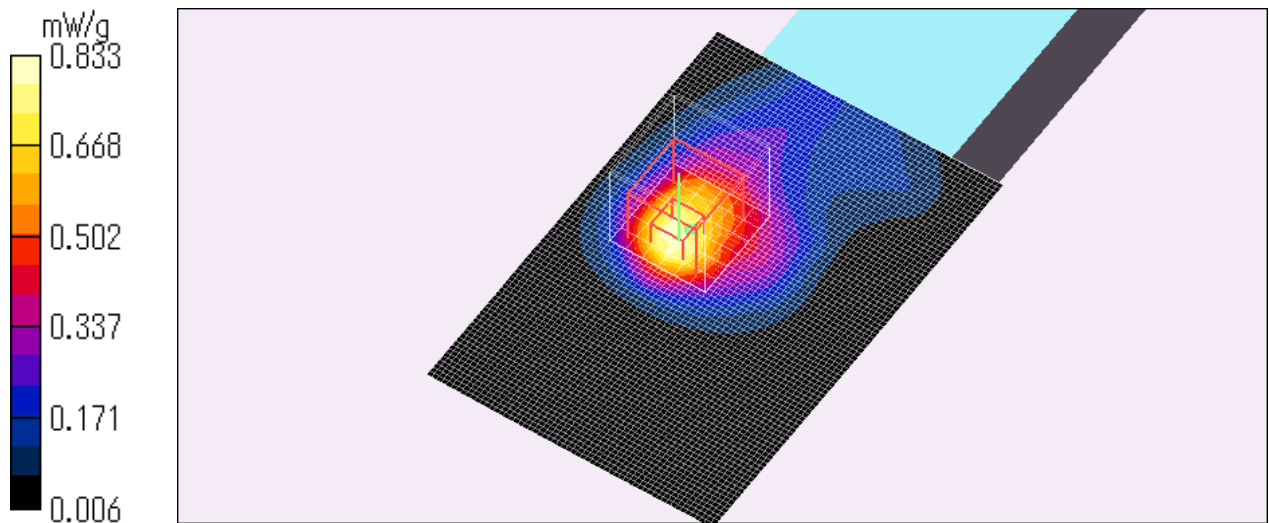
SAR(1 g) = 0.573 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.833 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g 16QAM(36Mbps)/ 2412MHz/ Change to the crest factor (PAR)

Crest factor: 7.3

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.218 mW/g

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

Reference Value = 10.3 V/m; Power Drift = -0.184 dB

Peak SAR (extrapolated) = 0.287 W/kg

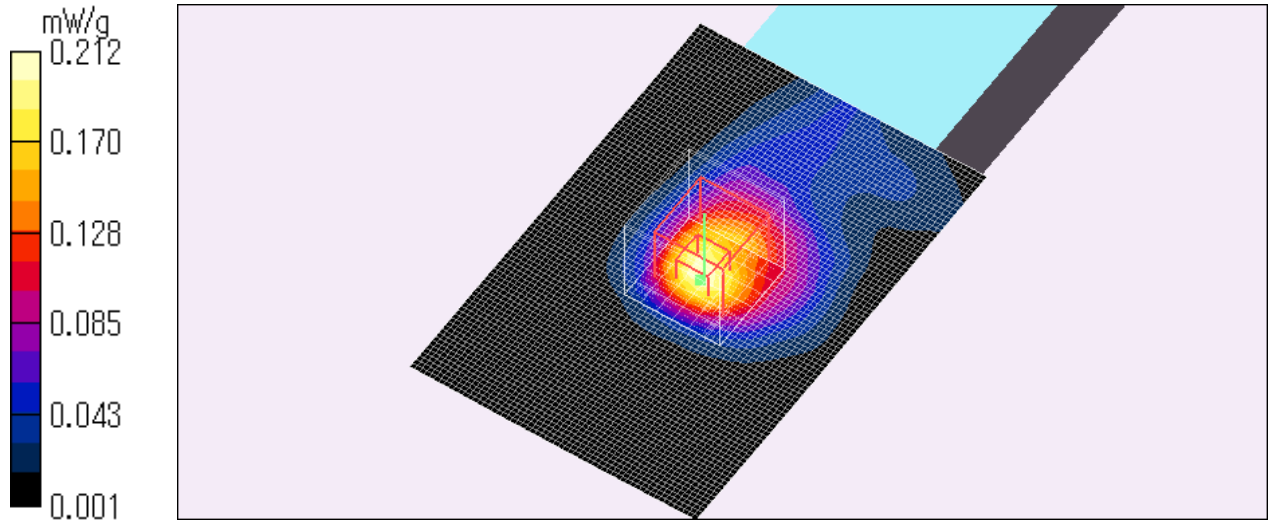
SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.076 mW/g

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

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13700-W / Body/ Front/ 11g 16QAM(36Mbps)/ 2462MHz/ Change to the crest factor (PAR)

Crest factor: 6.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.415 mW/g

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

Reference Value = 11.1 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 0.556 W/kg

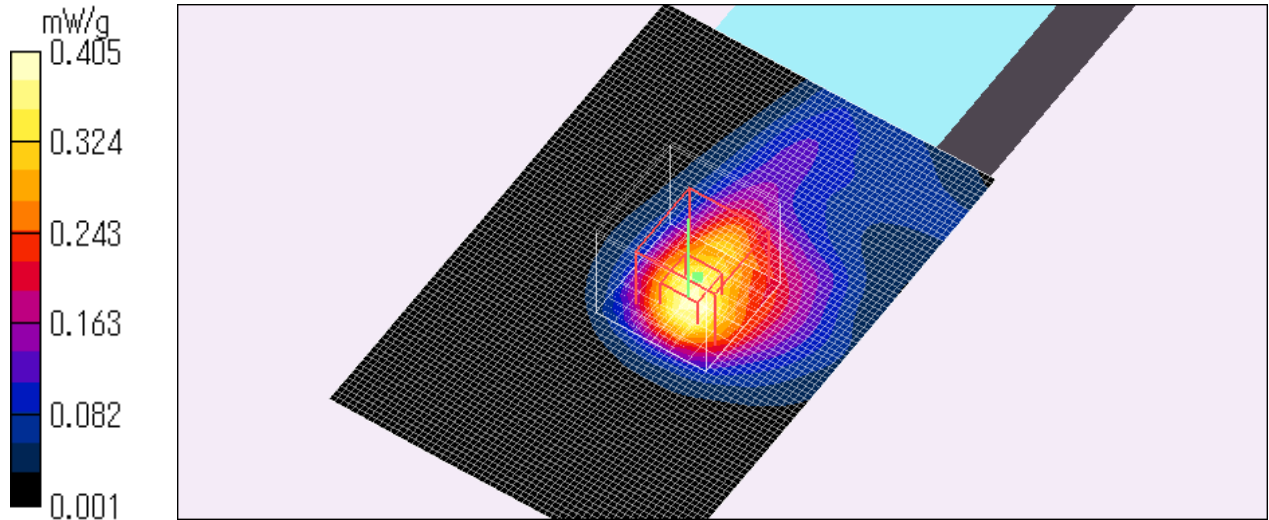
SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.405 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



UL Japan, Inc.

Head Office EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124

PI-13703-W / Body/ Front/ 11b CCK(11Mbps)/ 2462MHz/ Reference data of variant model

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.98$ mho/m; $\epsilon_r = 50.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(7.9, 7.9, 7.9); Calibrated: 2008/01/25

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

- Phantom: Flat Phantom ELI4.0

- Measurement SW: DASY4, V4.7 Build 71; Postprocessing SW: SEMCAD, V1.8 Build 184

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 20.6 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.910 W/kg

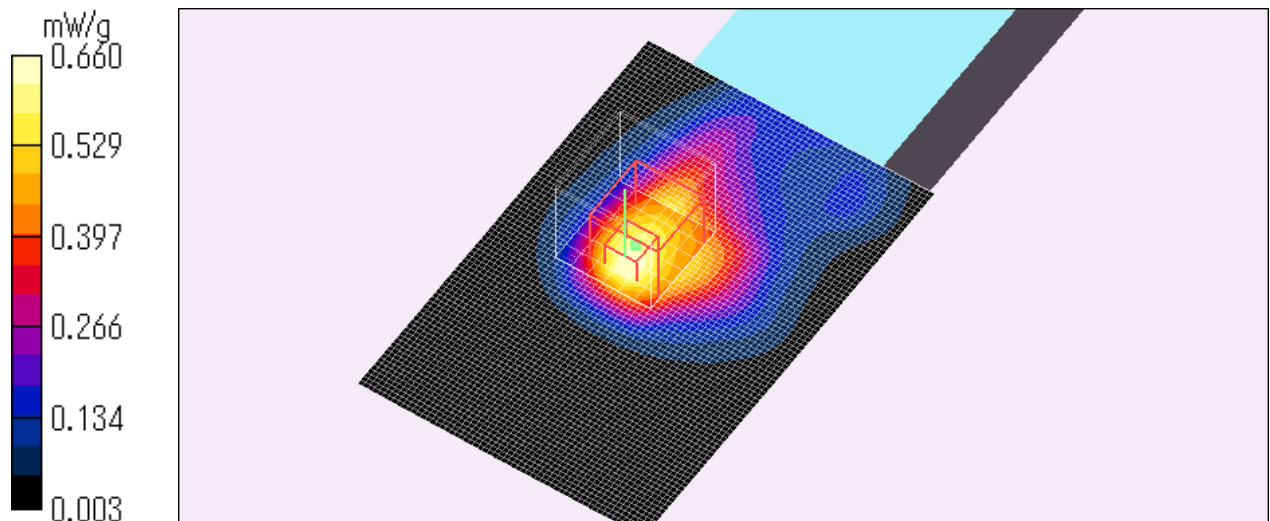
SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.660 mW/g

Test Date = 12/17/08

Ambient Temperature = 24.5 degree.c

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



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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8116

Facsimile : +81 596 24 8124