

Test report No. : 27IE0024-HO-E-R1
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APPENDIX 2 : SAR Measurement data

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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 and not with this Step3 (Zoom scan) is repeated. On the basis of this data set, the spatial peak SAR value was evaluated under the following procedure:

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

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

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

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

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2. SAR Measurement data

NJT-511/ Top / CCK (11Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.620 mW/g

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

Reference Value = 19.9 V/m; Power Drift = -0.171 dB

Peak SAR (extrapolated) = 0.973 W/kg

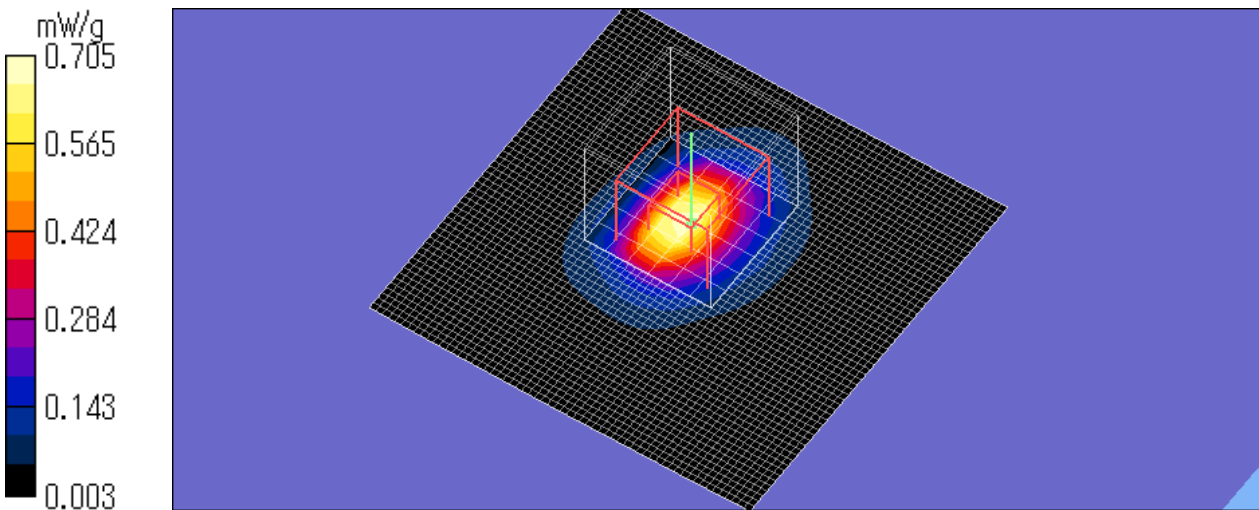
SAR(1 g) = 0.483 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.705 mW/g

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Front / CCK (11Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (81x101x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.101 mW/g

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

Reference Value = 6.46 V/m; Power Drift = -0.052 dB

Peak SAR (extrapolated) = 0.139 W/kg

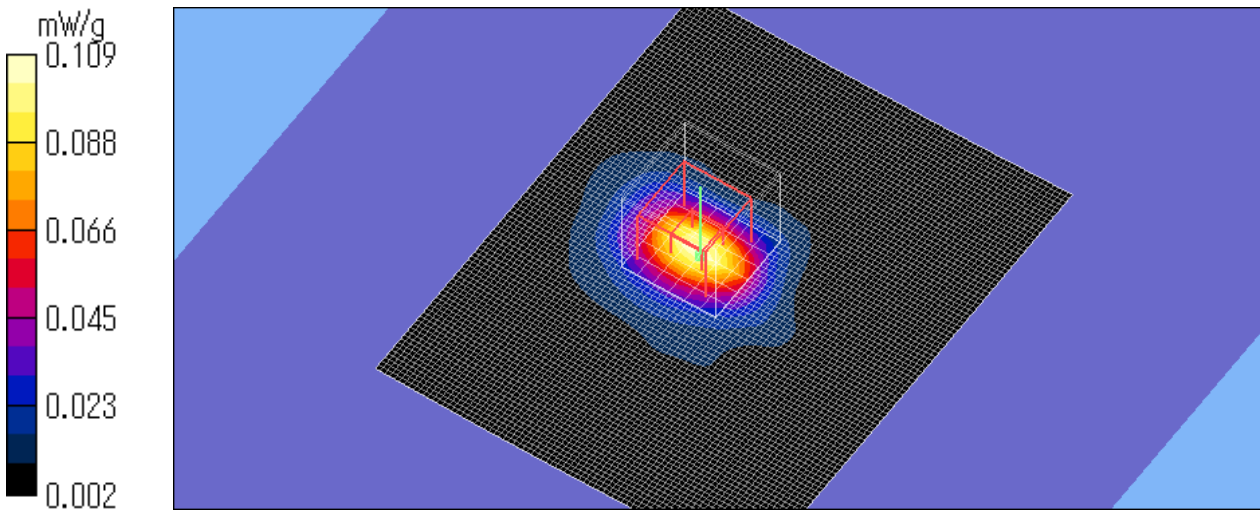
SAR(1 g) = 0.077 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.109 mW/g

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Rear / CCK (11Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (81x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.024 mW/g

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

Reference Value = 1.87 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.029 W/kg

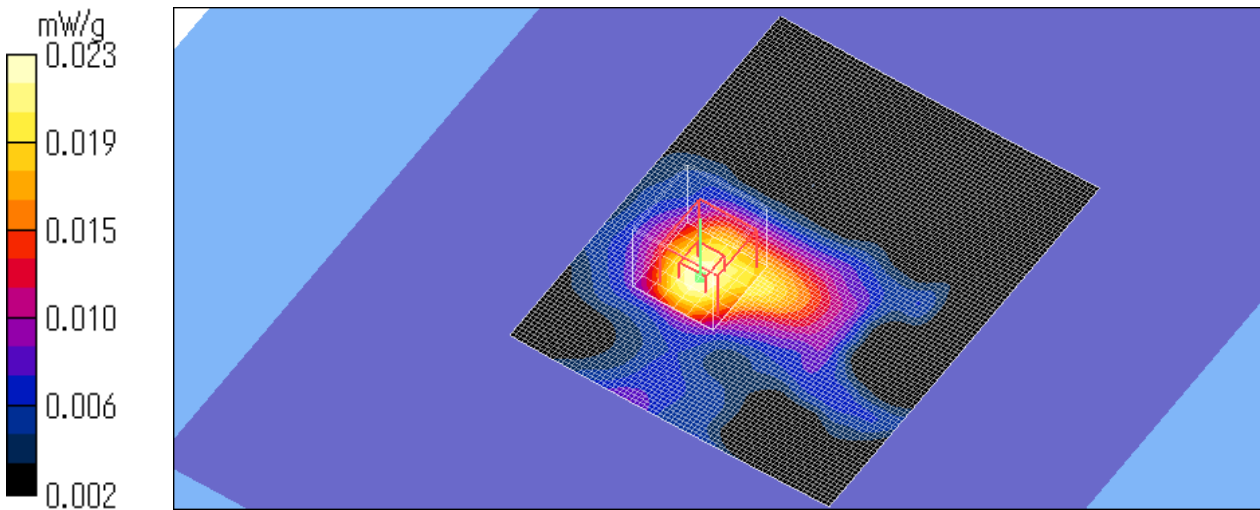
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g

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

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Left side / CCK (11Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 2.07 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.012 W/kg

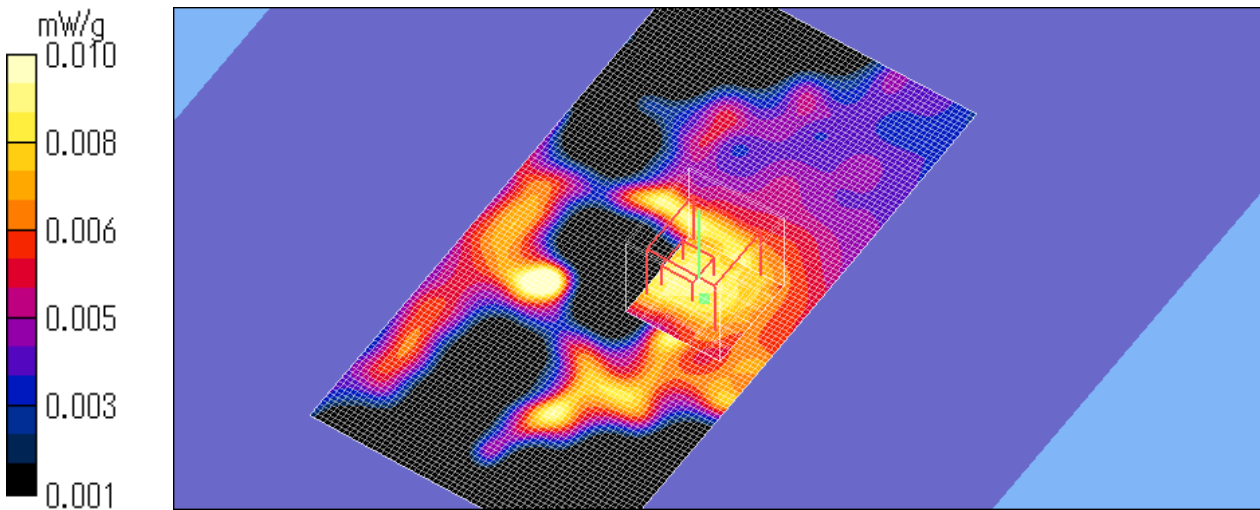
SAR(1 g) = 0.00712 mW/g; SAR(10 g) = 0.00452 mW/g

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

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Right side / CCK (11Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (61x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 1.55 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 0.110 W/kg

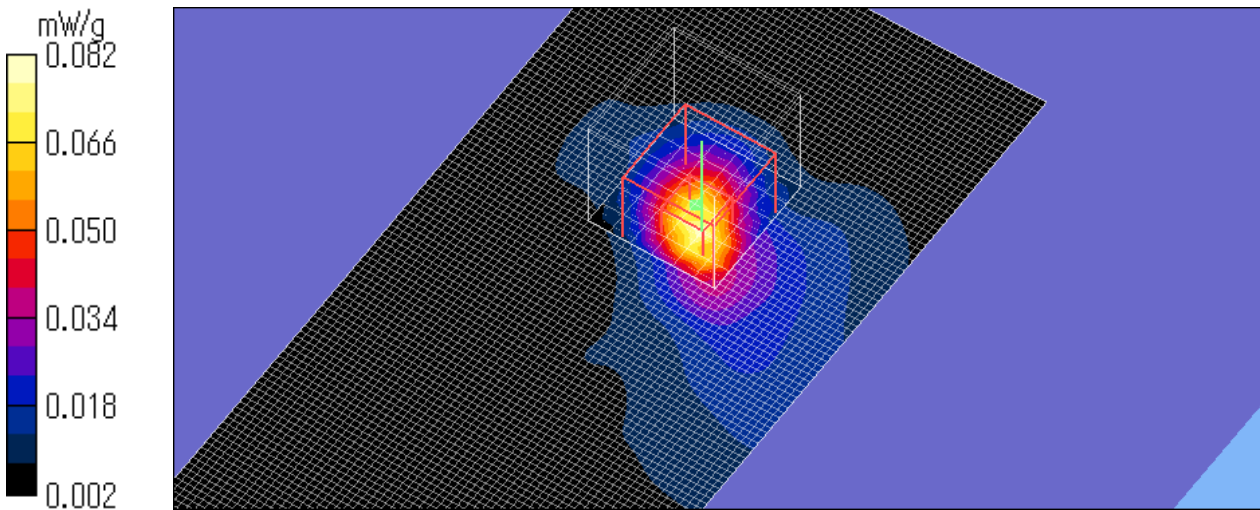
SAR(1 g) = 0.052 mW/g; SAR(10 g) = 0.024 mW/g

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

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / CCK (11Mbps) / 2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.936 mW/g

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

Reference Value = 10.4 V/m; Power Drift = -0.176 dB

Peak SAR (extrapolated) = 1.27 W/kg

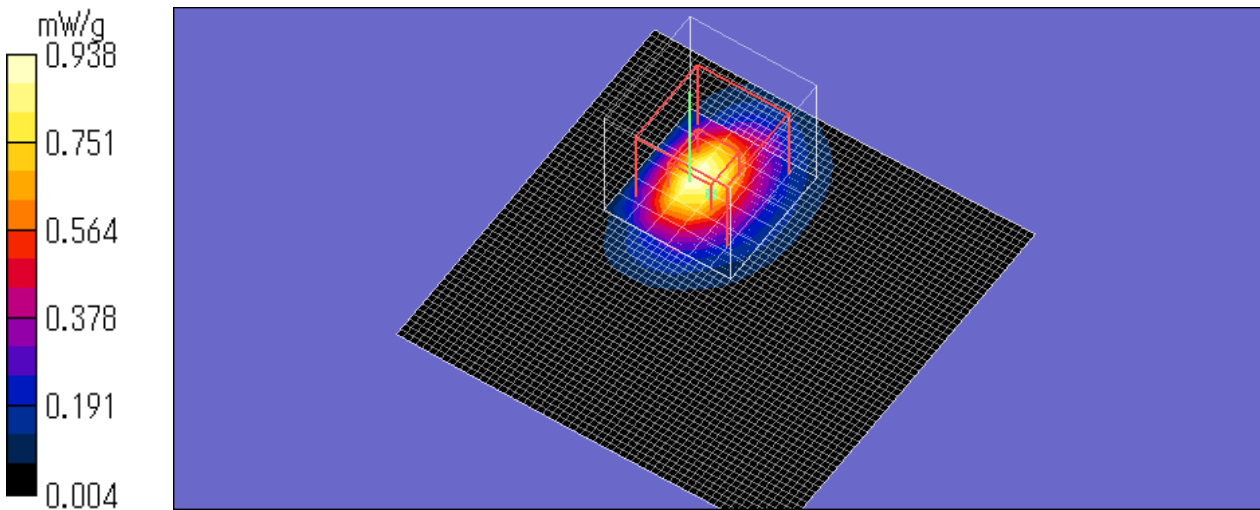
SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.282 mW/g

Maximum value of SAR (measured) = 0.938 mW/g

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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Z-axis scan at max SAR location

NJT-511/ Top / CCK (11Mbps) / 2412MHz

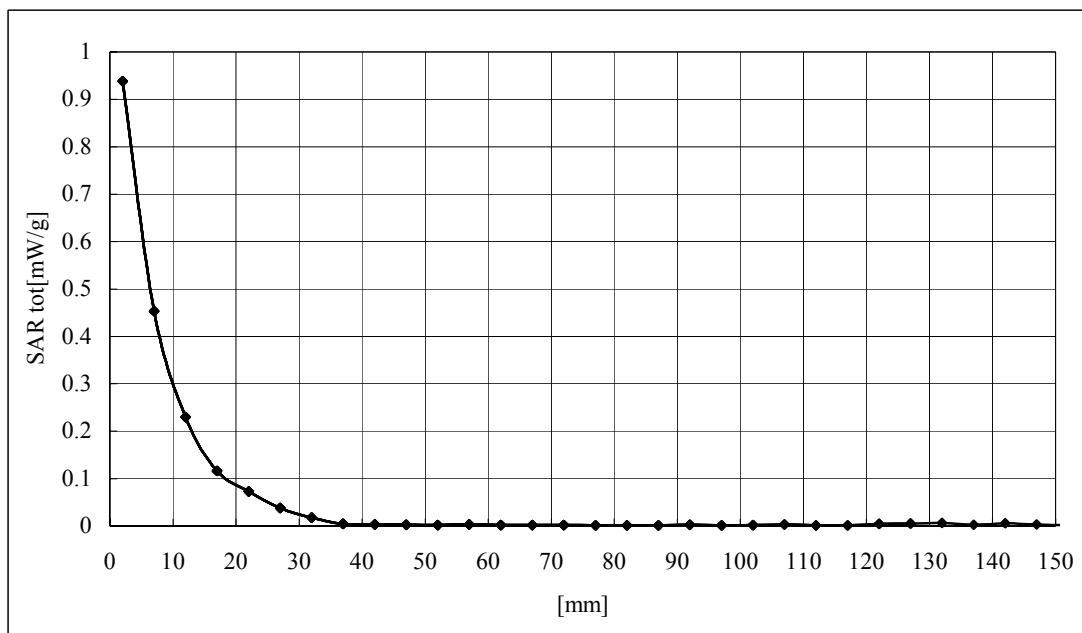
Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom 4.3
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160



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NJT-511/ Top / CCK (11Mbps) / 2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.01$ mho/m; $\epsilon_r = 51.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.845 mW/g

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

Reference Value = 8.90 V/m; Power Drift = -0.126 dB

Peak SAR (extrapolated) = 1.18 W/kg

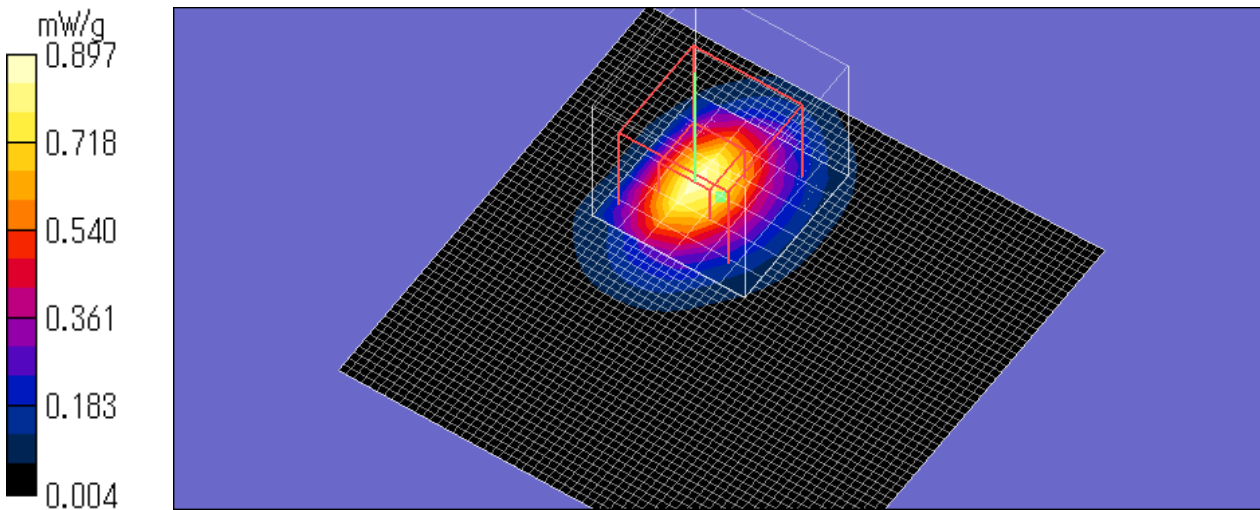
SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.897 mW/g

Test Date = 09/10/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / BPSK (9Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

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

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

Reference Value = 8.49 V/m; Power Drift = -0.133 dB

Peak SAR (extrapolated) = 0.921 W/kg

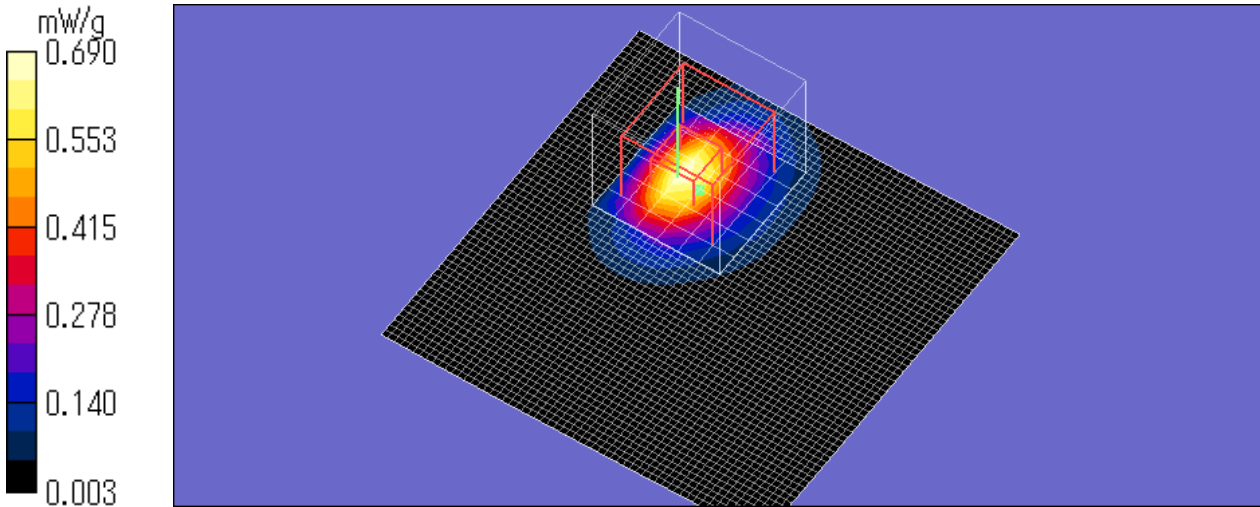
SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.690 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / QPSK (18Mbps) / 2437MHz

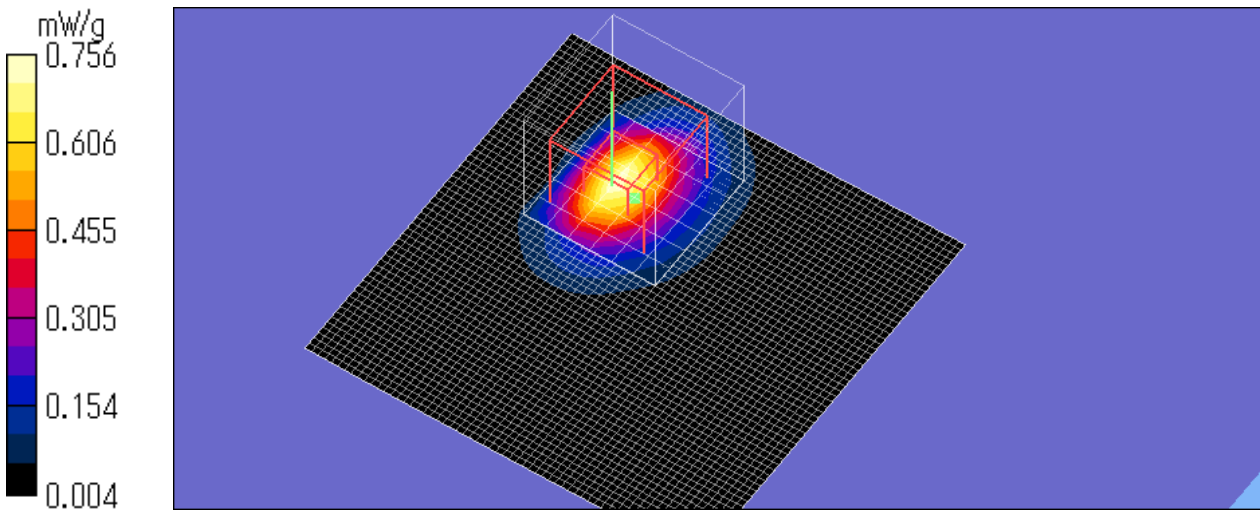
Crest factor: 1
Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
DASY4 Configuration:
- Probe: EX3DV3 - SN3507; ConvF(8, 8, 8); Calibrated: 2007/06/15
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Phantom: Flat Phantom 4.3
- Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Area Scan (61x61x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.716 mW/g

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 8.27 V/m; Power Drift = -0.146 dB
Peak SAR (extrapolated) = 1.00 W/kg

SAR(1 g) = 0.503 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.756 mW/g

Test Date = 09/11/07
Ambient Temperature = 25.0 degree.c
Liquid Temperature = Before 24.1 degree.C , After 24.1 degree.C



NJT-511/ Top / 16QAM (36Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.728 mW/g

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

Reference Value = 8.38 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 1.04 W/kg

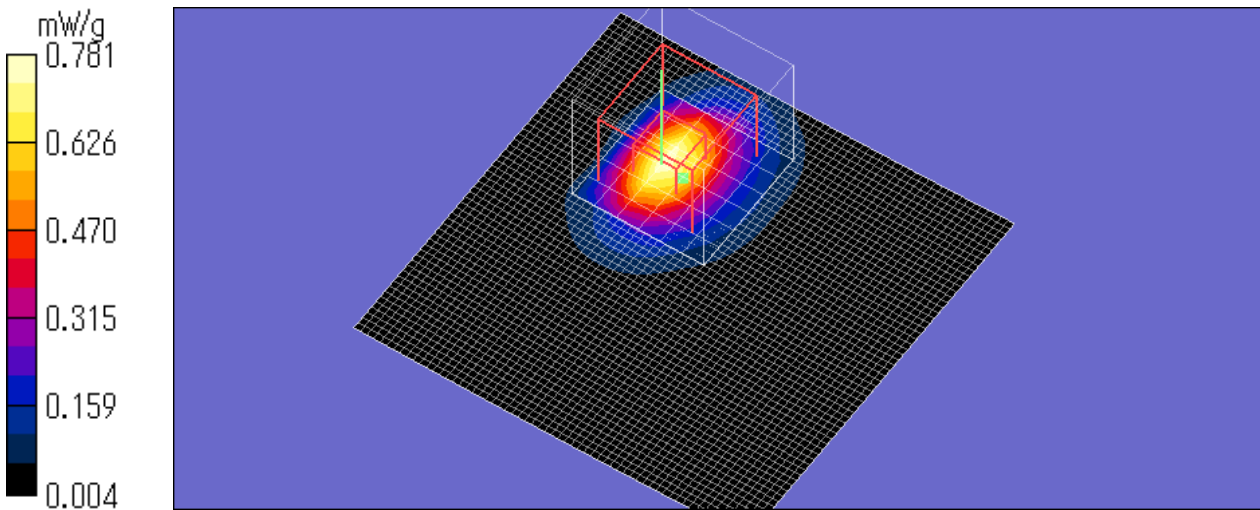
SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.230 mW/g

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

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / 64QAM (48Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.700 mW/g

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

Reference Value = 8.51 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 0.988 W/kg

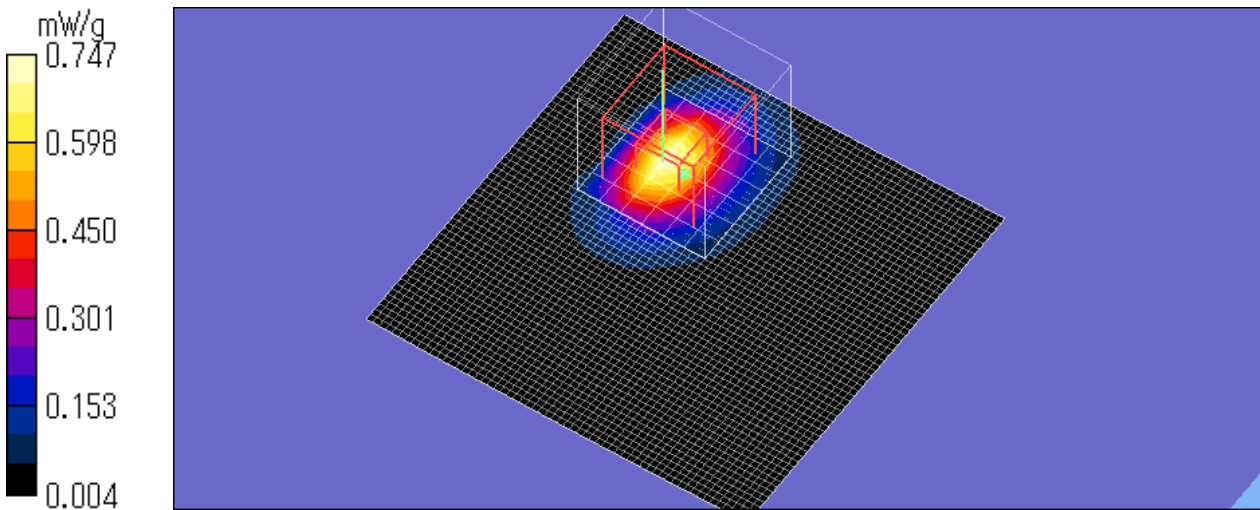
SAR(1 g) = 0.495 mW/g; SAR(10 g) = 0.217 mW/g

Maximum value of SAR (measured) = 0.747 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Front / 16QAM (36Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.122 mW/g

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

Reference Value = 7.29 V/m; Power Drift = -0.168 dB

Peak SAR (extrapolated) = 0.164 W/kg

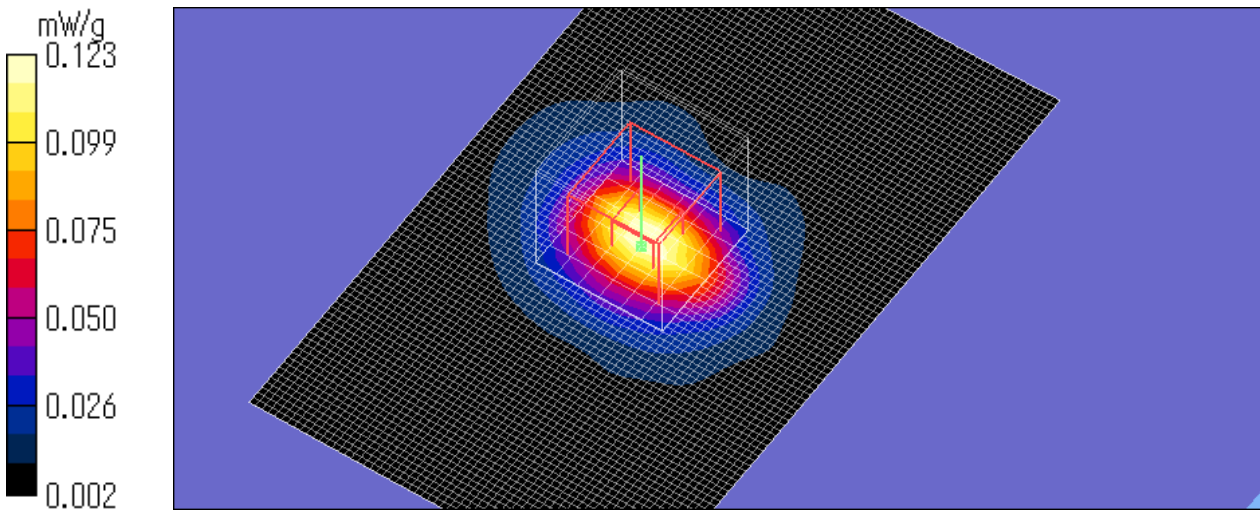
SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.123 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Rear / 16QAM (36Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 1.43 V/m; Power Drift = 0.181 dB

Peak SAR (extrapolated) = 0.029 W/kg

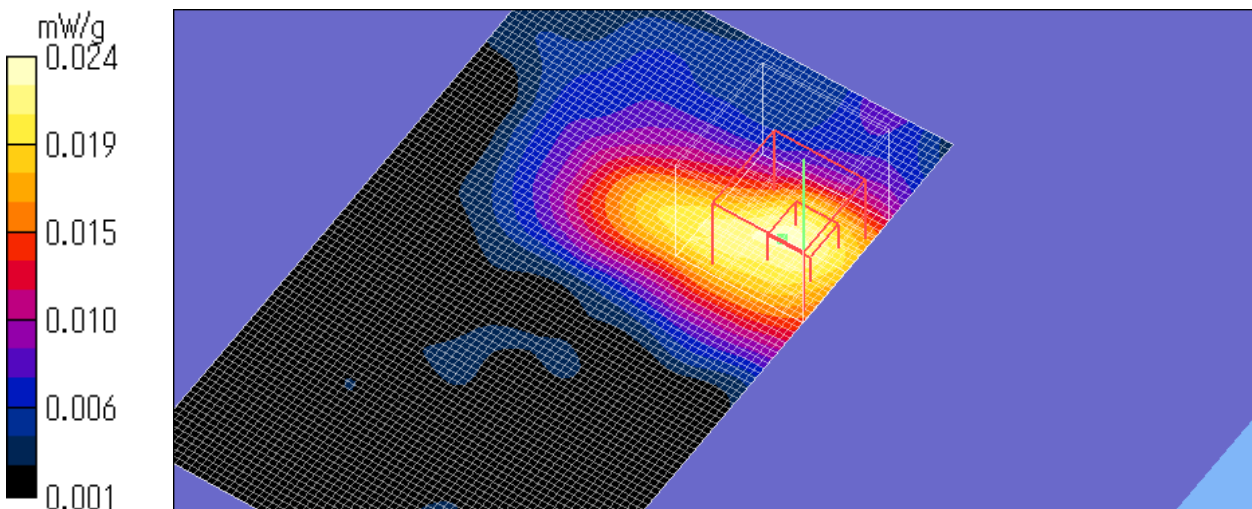
SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.024 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Left side / 16QAM (36Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 2.42 V/m; Power Drift = -0.127 dB

Peak SAR (extrapolated) = 0.015 W/kg

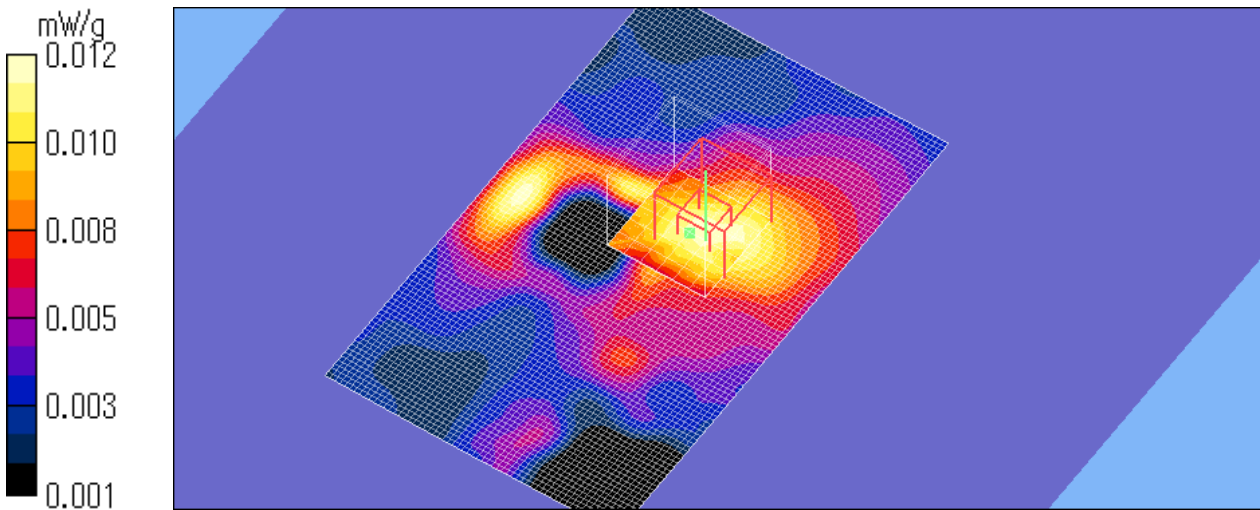
SAR(1 g) = 0.00894 mW/g; SAR(10 g) = 0.00547 mW/g

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

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Right side / 16QAM (36Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.157 mW/g

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

Reference Value = 3.29 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.198 W/kg

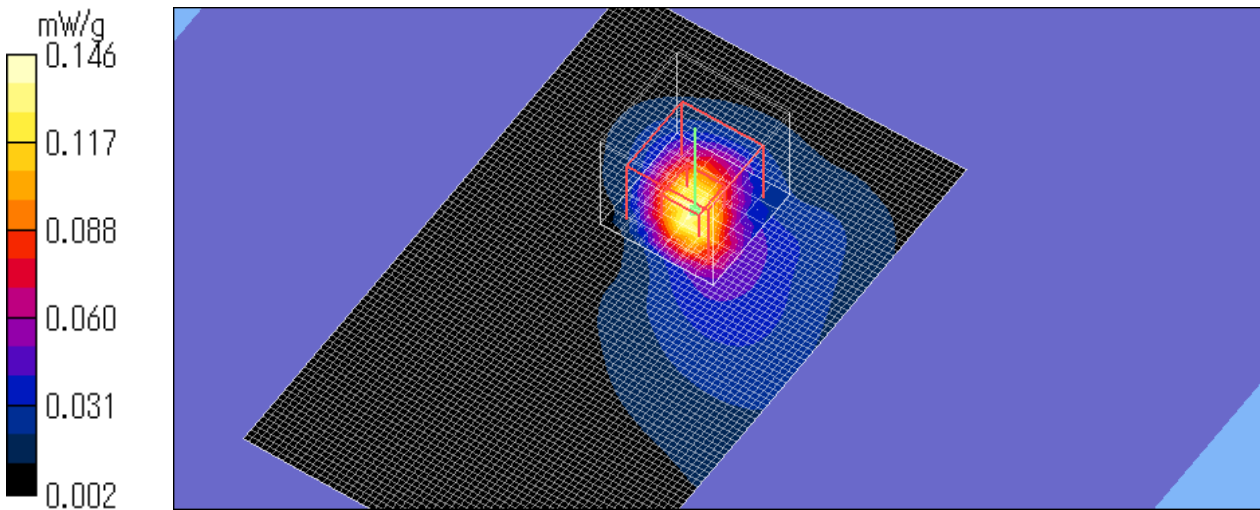
SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.146 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / 16QAM (36Mbps) / 2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.723 mW/g

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

Reference Value = 9.11 V/m; Power Drift = -0.179 dB

Peak SAR (extrapolated) = 1.02 W/kg

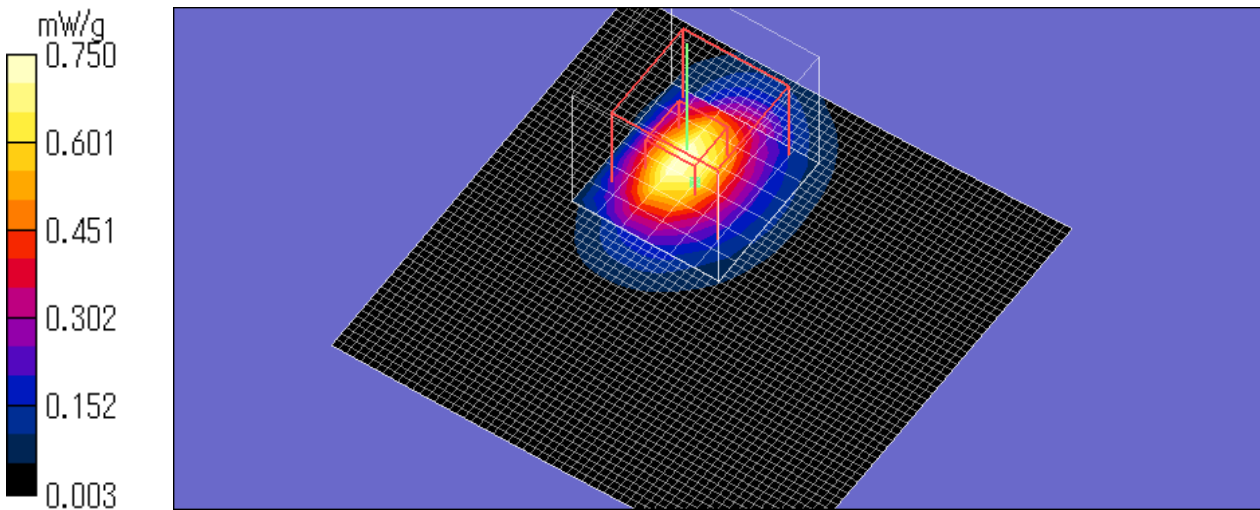
SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.750 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / 16QAM (36Mbps) / 2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.804 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 = -0.125 dB

Peak SAR (extrapolated) = 1.09 W/kg

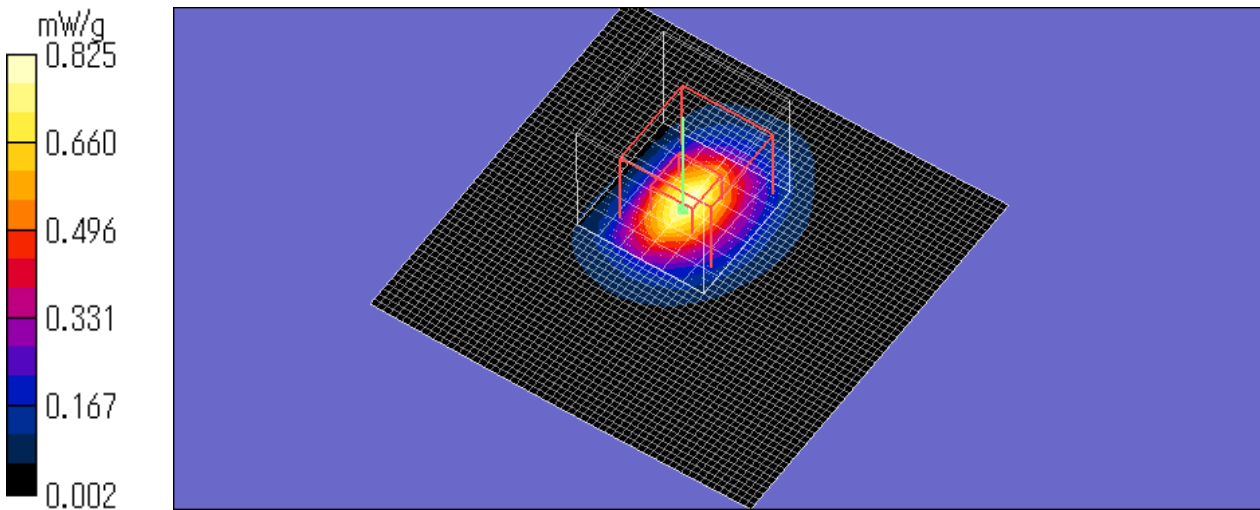
SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.825 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / CCK (11Mbps) / 2412MHz / Separation 5mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

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

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

Reference Value = 9.45 V/m; Power Drift = -0.104 dB

Peak SAR (extrapolated) = 0.225 W/kg

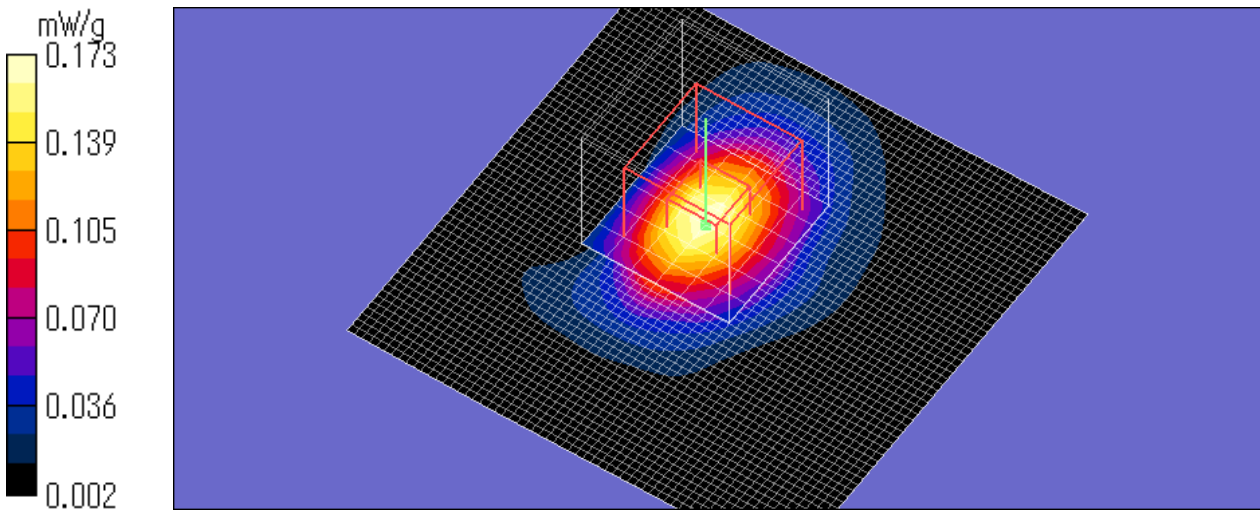
SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.173 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / CCK (11Mbps) / 2412MHz / Separation 10mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

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

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

Reference Value = 6.88 V/m; Power Drift = -0.165 dB

Peak SAR (extrapolated) = 0.099 W/kg

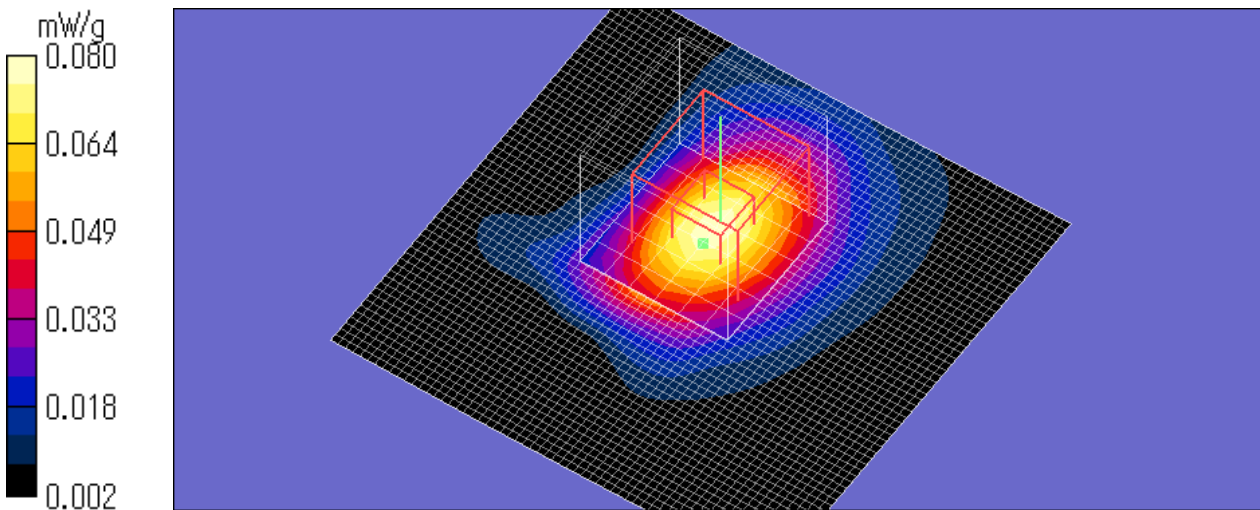
SAR(1 g) = 0.058 mW/g; SAR(10 g) = 0.031 mW/g

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

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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NJT-511/ Top / CCK (11Mbps) / 2412MHz / Separation 15mm

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.95$ mho/m; $\epsilon_r = 50.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

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

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

- Phantom: Flat Phantom 4.3

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

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

Maximum value of SAR (interpolated) = 0.062 mW/g

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

Reference Value = 5.36 V/m; Power Drift = -0.145 dB

Peak SAR (extrapolated) = 0.071 W/kg

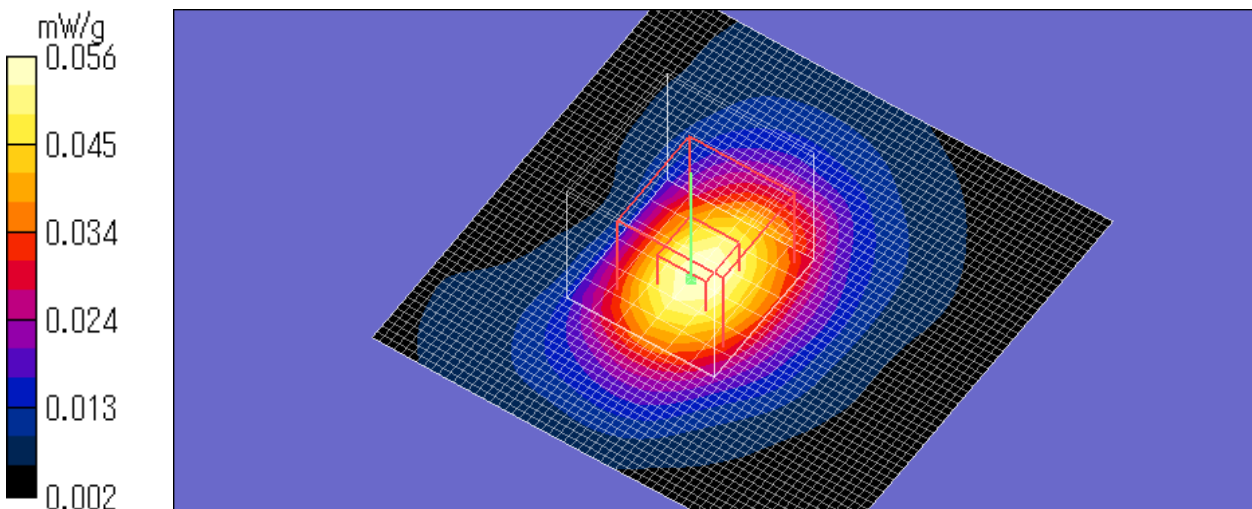
SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.056 mW/g

Test Date = 09/11/07

Ambient Temperature = 25.0 degree.c

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



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