

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 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 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.

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2. Measurement data (Body SAR 2450MHz)

FC-N21S/BY5SS/ Body/ Main antenna/ Top (Notebook type) / 11b DBPSK (1Mbps) / 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.542 mW/g

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

Reference Value = 10.4 V/m; Power Drift = -0.188 dB

Peak SAR (extrapolated) = 0.639 W/kg

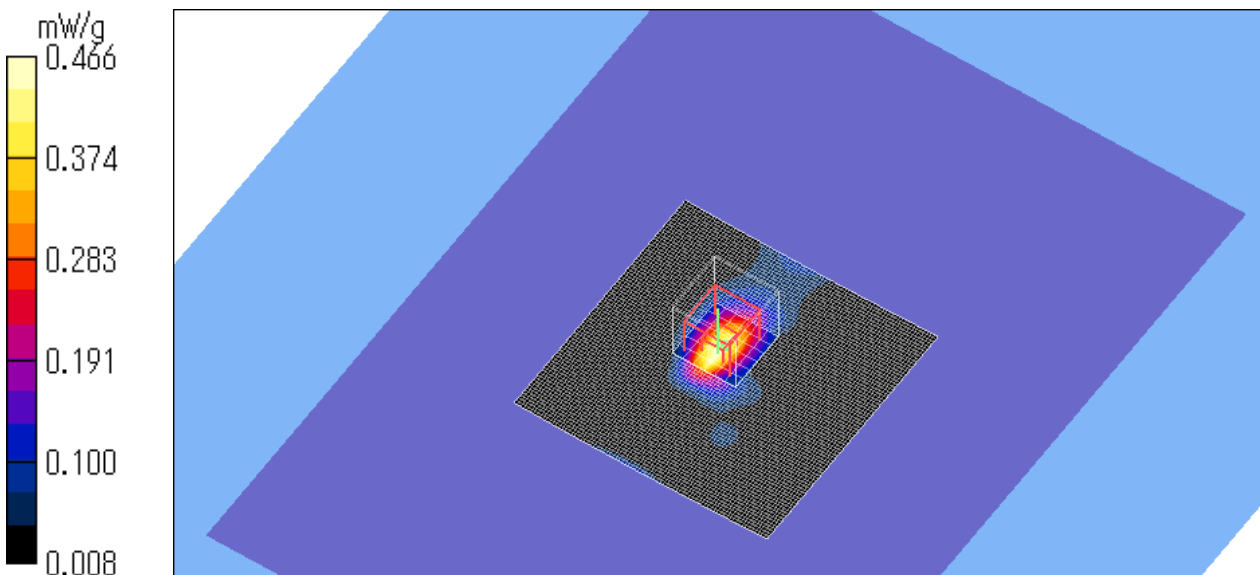
SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.466 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Notebook type) / 11b CCK (11Mbps) / 2437MHz

Crest factor: 1.2

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 (51x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.426 mW/g

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

Reference Value = 9.43 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 0.571 W/kg

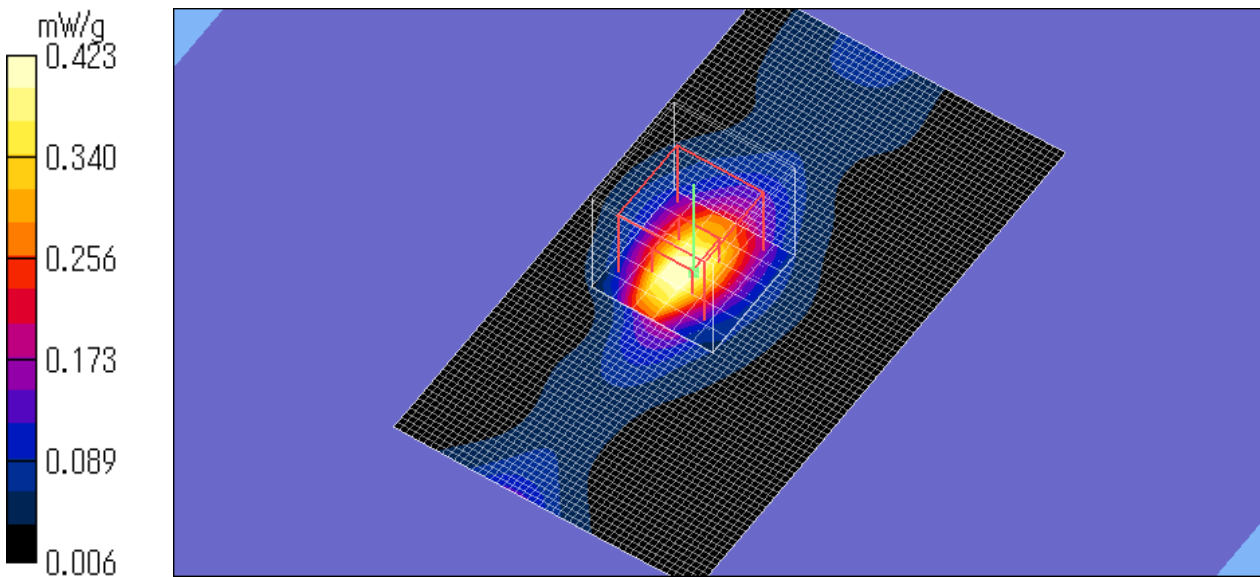
SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.423 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Tablet type) / 11b DBPSK (1Mbps) / 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 (51x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.200 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 = -0.130 dB

Peak SAR (extrapolated) = 0.121 W/kg

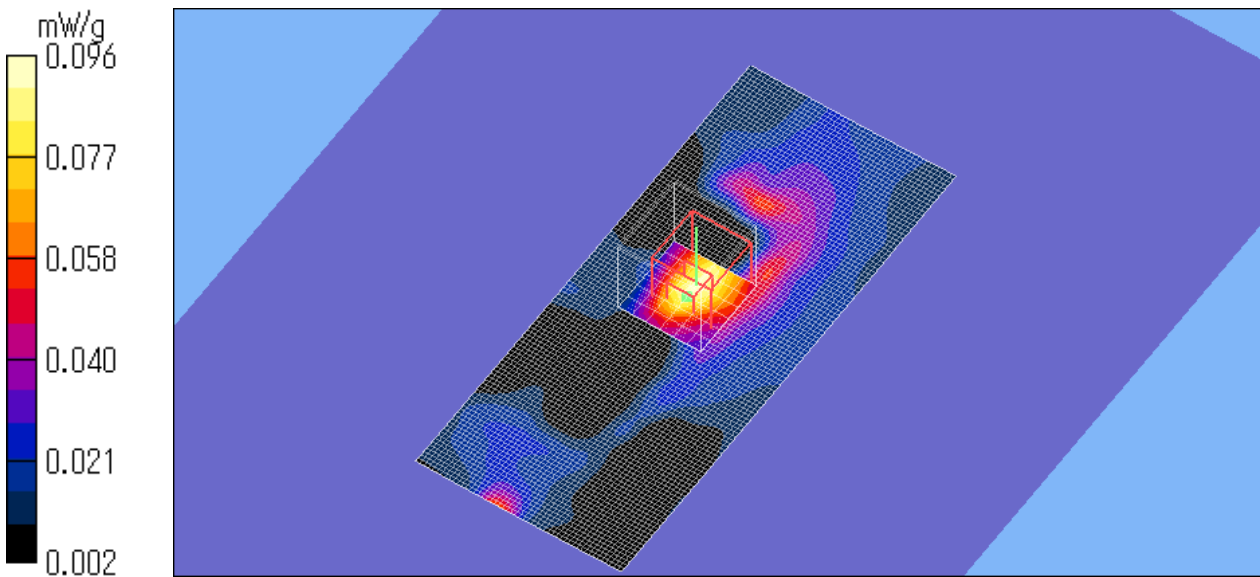
SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.033 mW/g

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

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 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 (61x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.17 mW/g

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

Reference Value = 11.0 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 1.57 W/kg

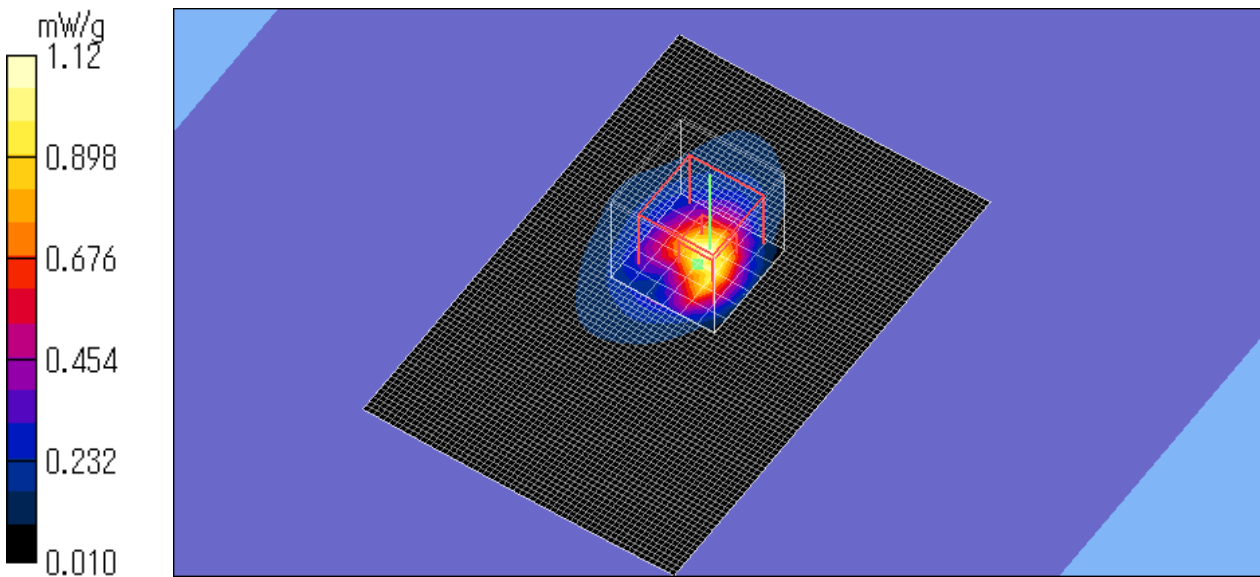
SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 1.12 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Bottom (Notebook type) / 11b DBPSK (1Mbps) / 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 (121x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 2.17 V/m; Power Drift = 0.179 dB

Peak SAR (extrapolated) = 0.053 W/kg

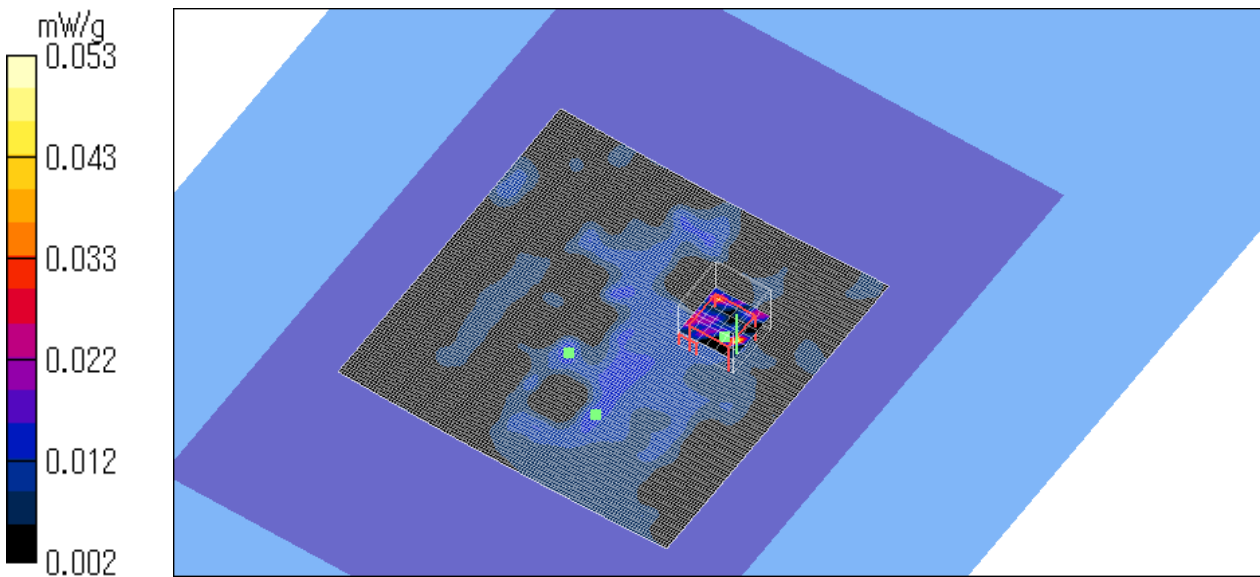
SAR(1 g) = 0.00558 mW/g; SAR(10 g) = 0.00236 mW/g

Maximum value of SAR (measured) = 0.053 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Front of display (Tablet type) / 11b DBPSK (1Mbps) / 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 (61x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.260 mW/g

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

Reference Value = 10.6 V/m; Power Drift = 0.066 dB

Peak SAR (extrapolated) = 0.343 W/kg

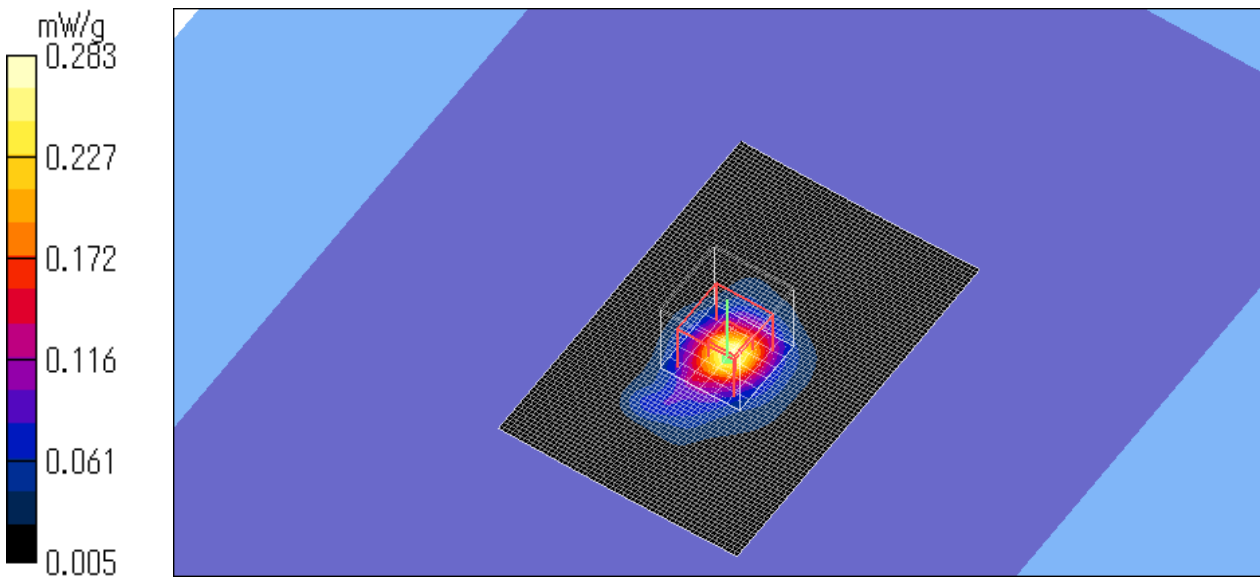
SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.283 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Right side (Tablet type) / 11b DBPSK (1Mbps) / 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) = 0.059 mW/g

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

Reference Value = 2.97 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.060 W/kg

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00449 mW/g

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

Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.97 V/m; Power Drift = -0.122 dB

Peak SAR (extrapolated) = 0.131 W/kg

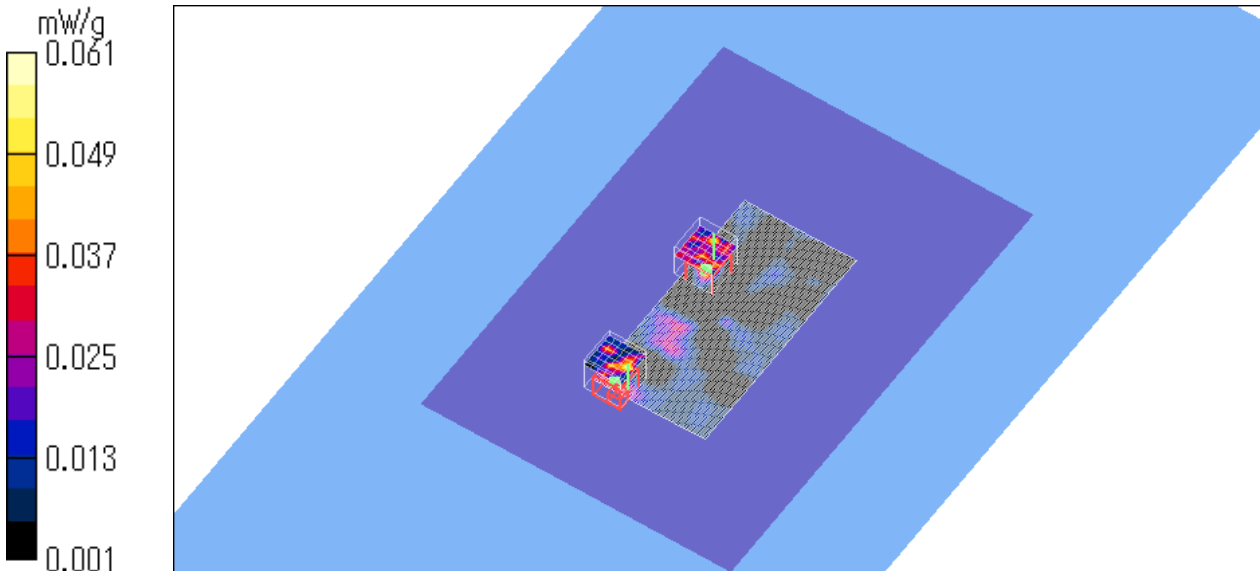
SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00607 mW/g

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

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Bottom (Tablet type) / 11b DBPSK (1Mbps) / 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 (91x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 1.39 V/m; Power Drift = -0.167 dB

Peak SAR (extrapolated) = 0.127 W/kg

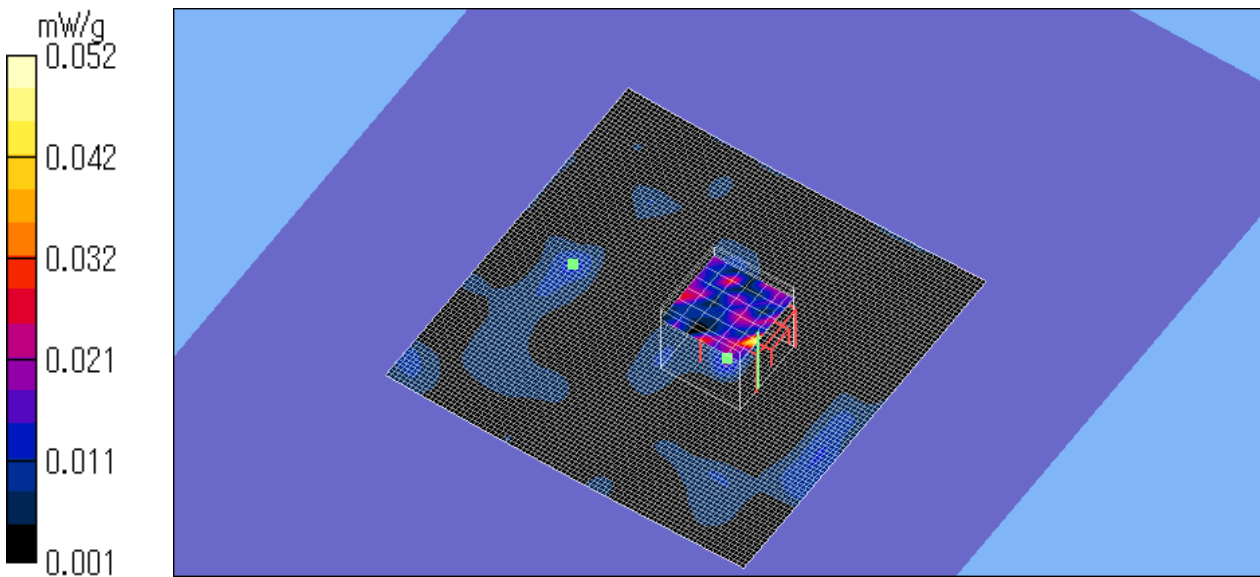
SAR(1 g) = 0.0046 mW/g; SAR(10 g) = 0.00147 mW/g

Maximum value of SAR (measured) = 0.052 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 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 (61x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

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

Reference Value = 21.9 V/m; Power Drift = 0.013 dB

Peak SAR (extrapolated) = 1.27 W/kg

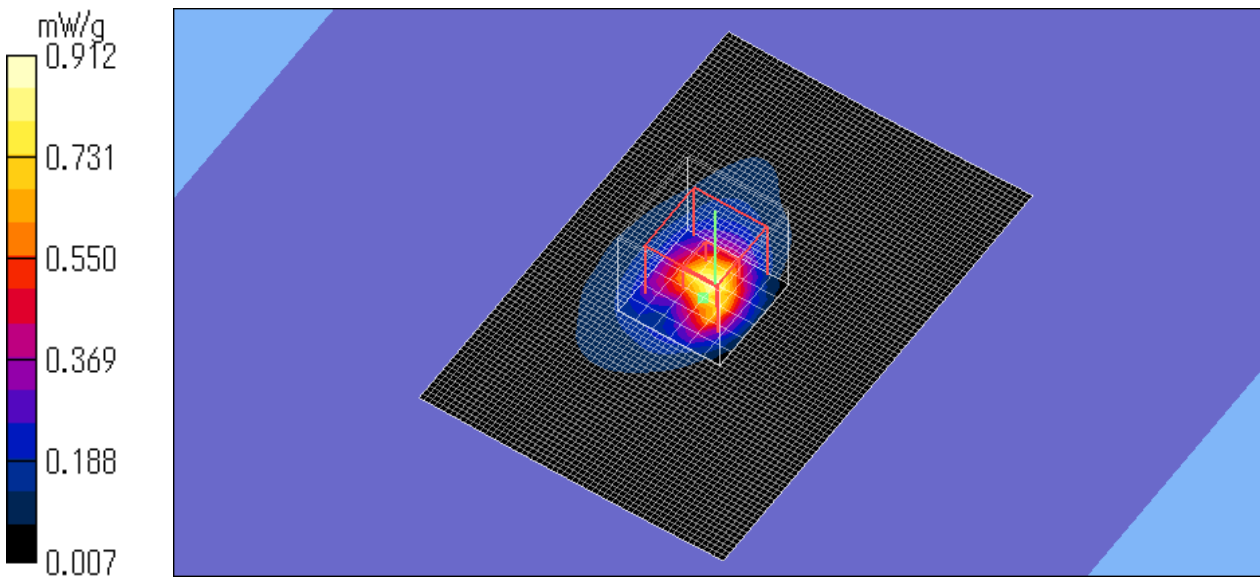
SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.246 mW/g

Maximum value of SAR (measured) = 0.912 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 mW/g

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

Reference Value = 12.9 V/m; Power Drift = 0.139 dB

Peak SAR (extrapolated) = 1.44 W/kg

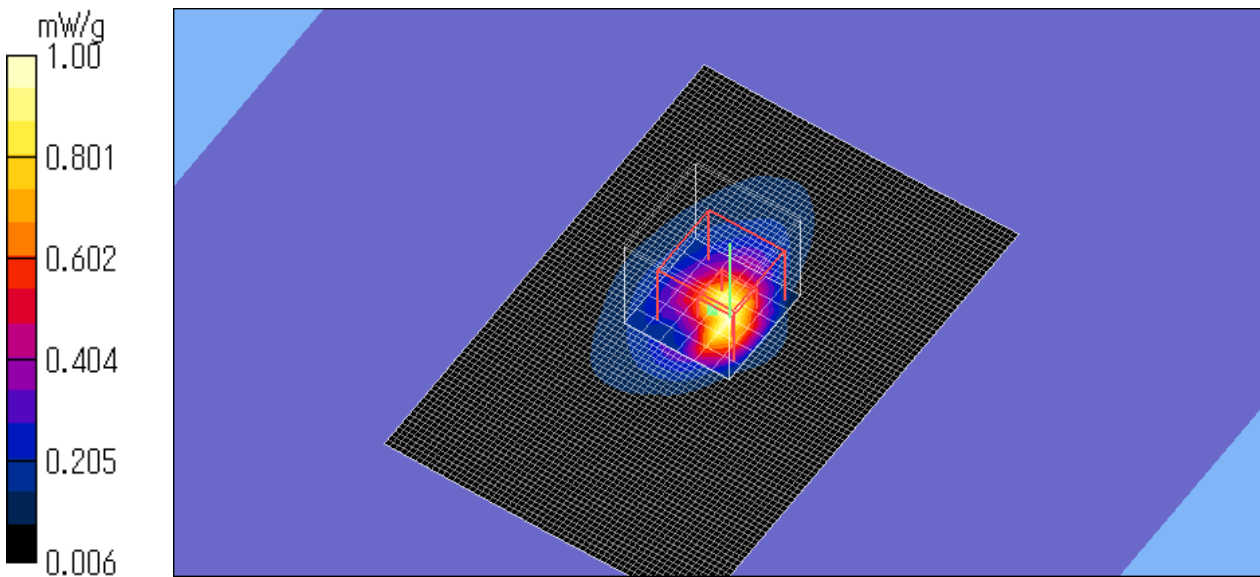
SAR(1 g) = 0.619 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 1.00 mW/g

Test Date = 08/21/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Notebook type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.341 mW/g

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

Reference Value = 6.15 V/m; Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.499 W/kg

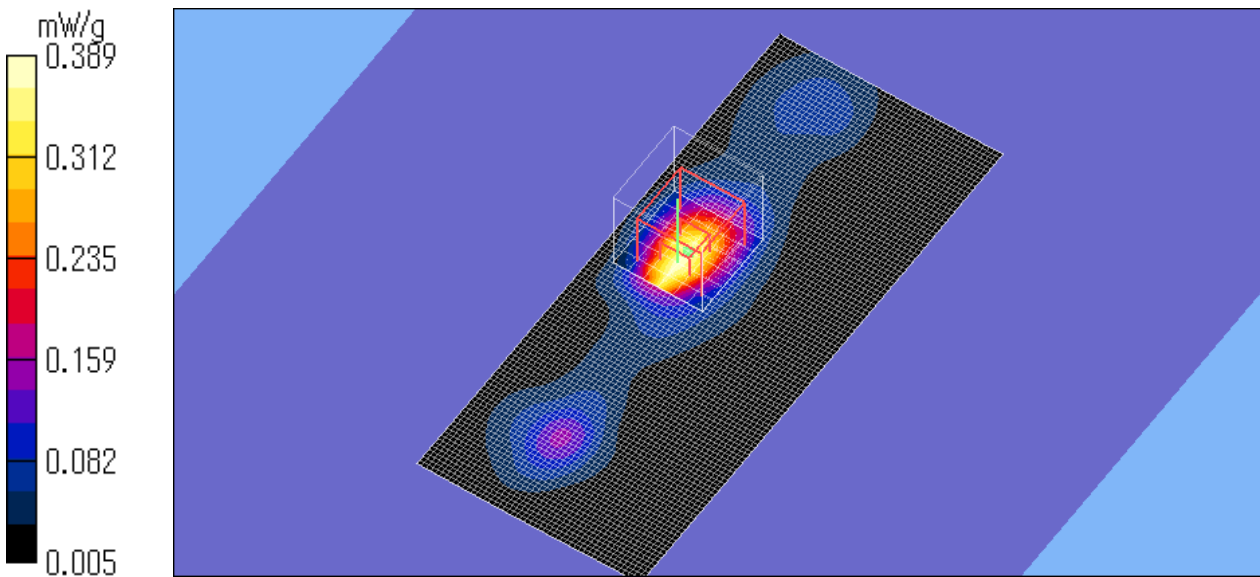
SAR(1 g) = 0.269 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.389 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Notebook type) / 11g QPSK (12Mbps) / 2437MHz

Crest factor: 1.2

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.367 mW/g

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

Reference Value = 5.77 V/m; Power Drift = -0.142 dB

Peak SAR (extrapolated) = 0.512 W/kg

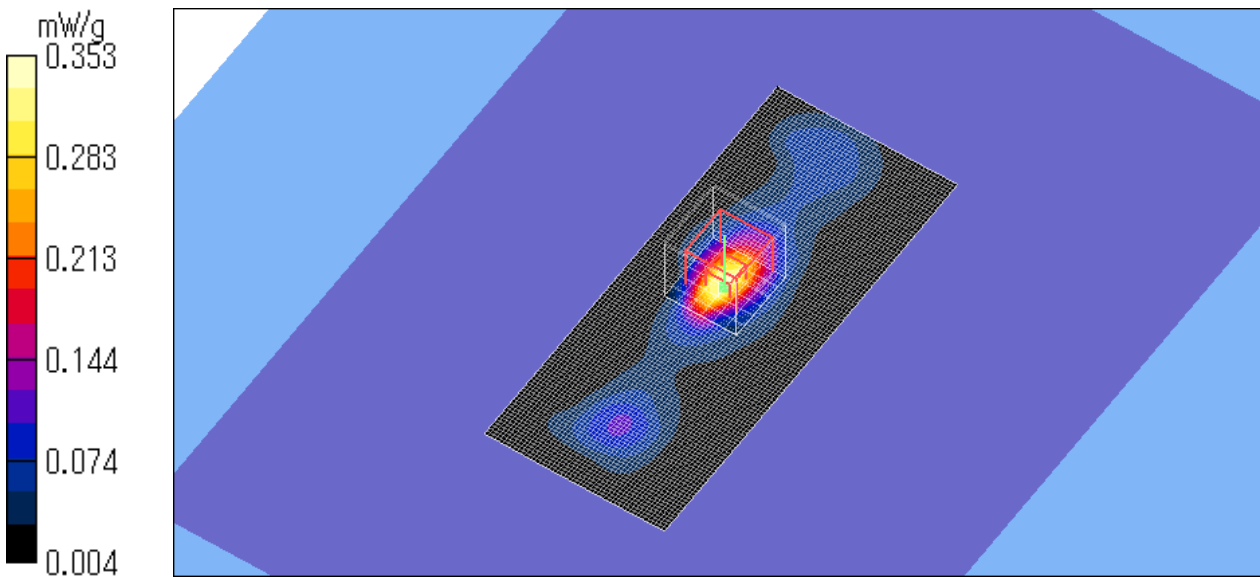
SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.353 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Notebook type) / 11g 16QAM (24Mbps) / 2437MHz

Crest factor: 1.4

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.318 mW/g

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

Reference Value = 5.56 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 0.441 W/kg

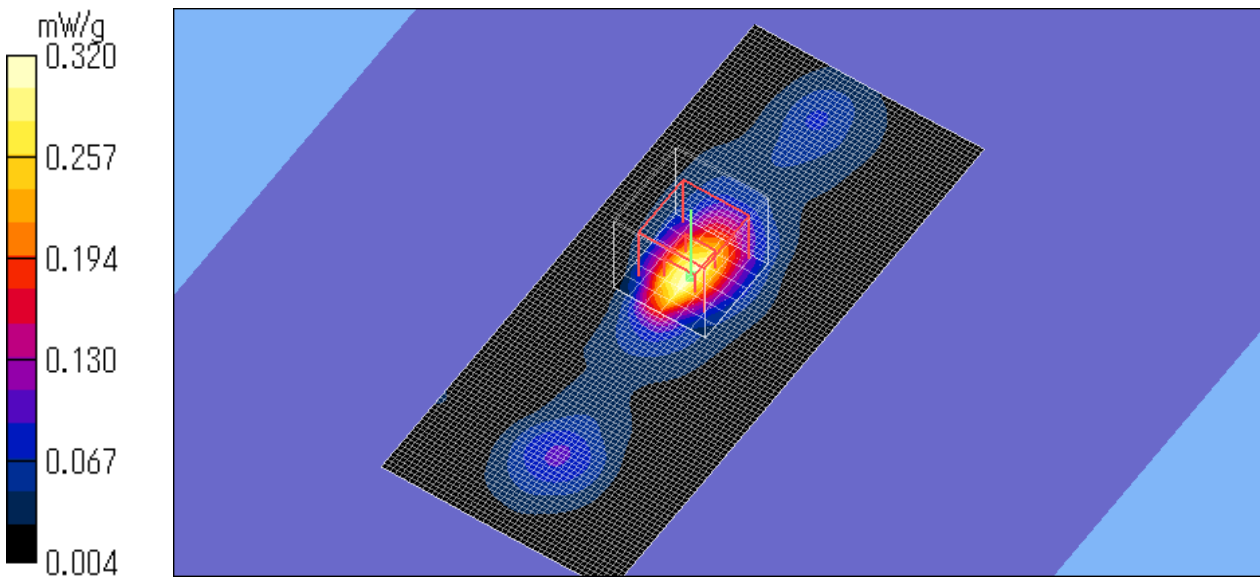
SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.106 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Notebook type) / 11g 64QAM (48Mbps) / 2437MHz

Crest factor: 1.7

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.274 mW/g

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

Reference Value = 5.07 V/m; Power Drift = -0.201 dB

Peak SAR (extrapolated) = 0.351 W/kg

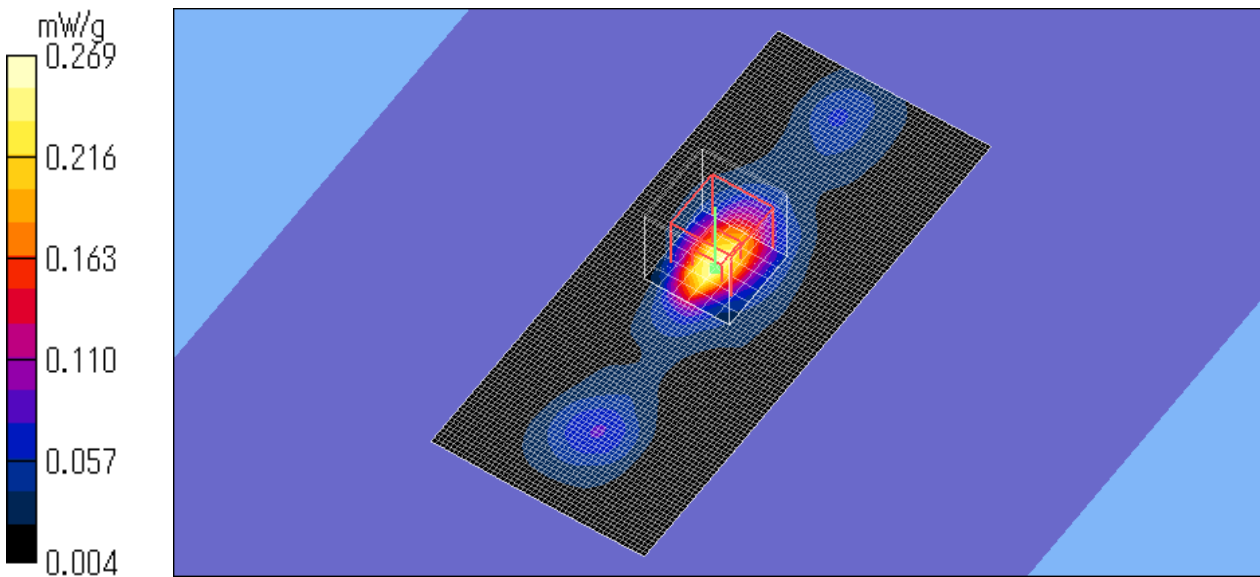
SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.269 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Top (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.094 mW/g

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

Reference Value = 5.97 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.133 W/kg

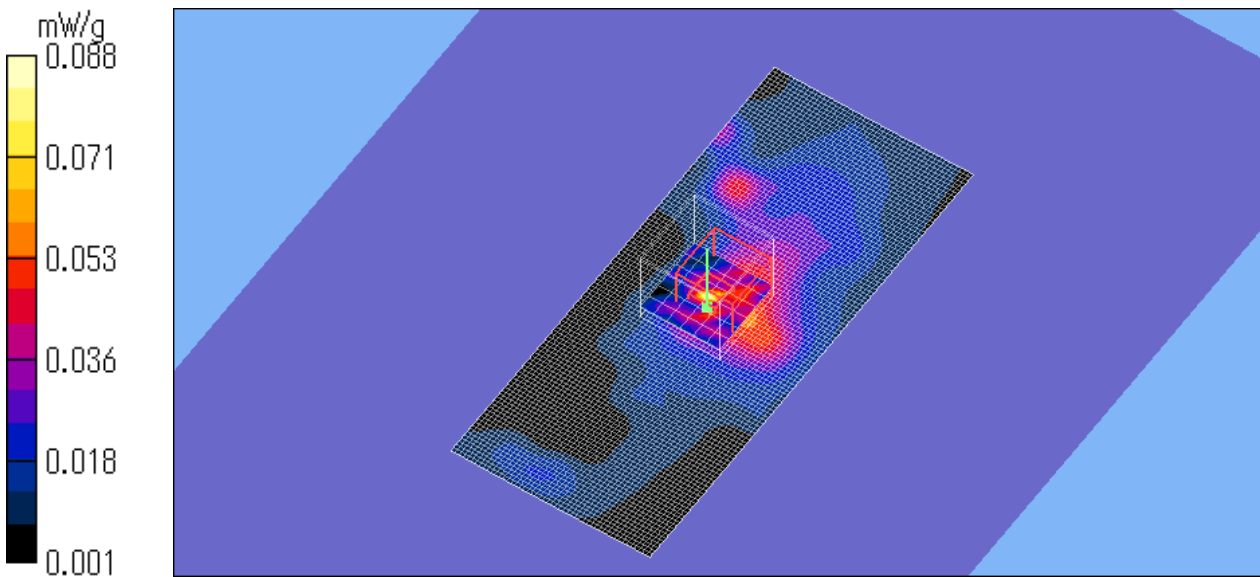
SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.019 mW/g

Maximum value of SAR (measured) = 0.088 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Back of display(Notebook type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.702 mW/g

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

Reference Value = 17.6 V/m; Power Drift = -0.178 dB

Peak SAR (extrapolated) = 1.19 W/kg

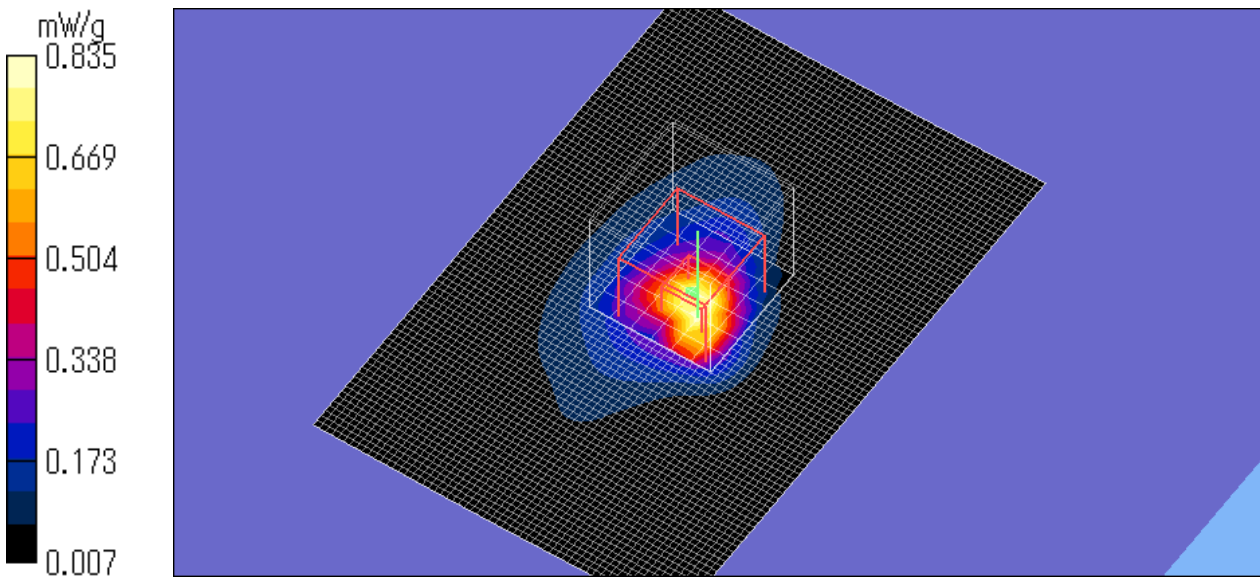
SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.229 mW/g

Maximum value of SAR (measured) = 0.835 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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FC-N21S/BY5SS/ Body/ Main antenna/ Bottom (Notebook type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (67x67x1): 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 = 1.24 V/m; Power Drift = -0.196 dB

Peak SAR (extrapolated) = 0.014 W/kg

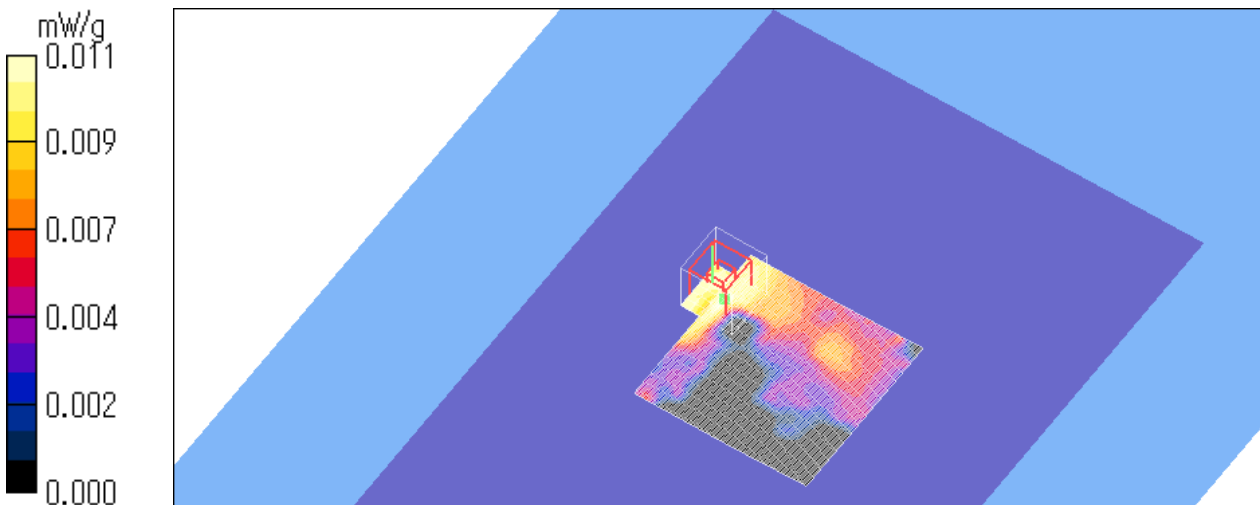
SAR(1 g) = 0.00768 mW/g; SAR(10 g) = 0.00388 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Front of display (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.239 mW/g

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

Reference Value = 6.33 V/m; Power Drift = -0.180 dB

Peak SAR (extrapolated) = 0.344 W/kg

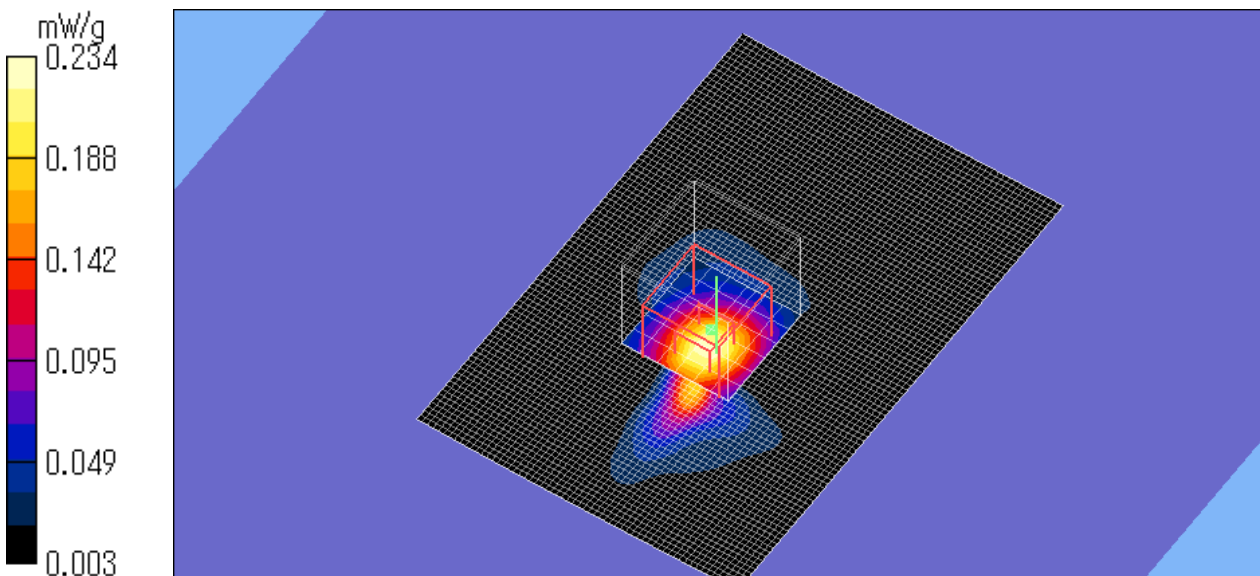
SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.070 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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FC-N21S/BY5SS/ Body/ Main antenna/ Right side (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.019 mW/g

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

Reference Value = 1.98 V/m; Power Drift = -0.108 dB

Peak SAR (extrapolated) = 0.054 W/kg

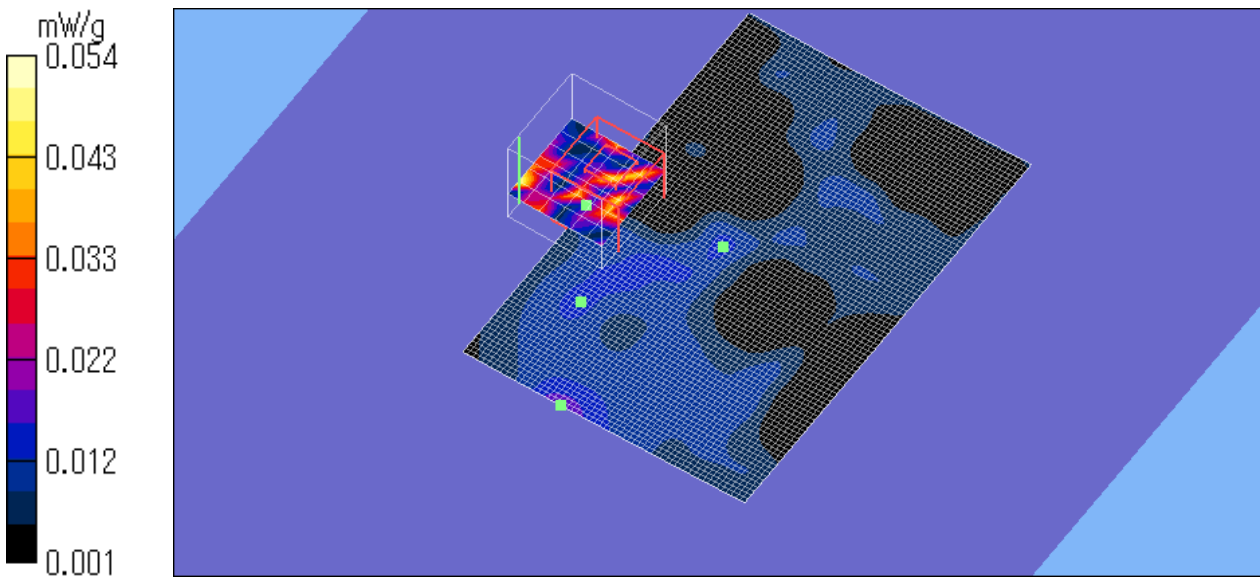
SAR(1 g) = 0.00807 mW/g; SAR(10 g) = 0.00435 mW/g

Maximum value of SAR (measured) = 0.054 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Bottom (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (91x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.021 mW/g

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

Reference Value = 1.73 V/m; Power Drift = -0.131 dB

Peak SAR (extrapolated) = 0.109 W/kg

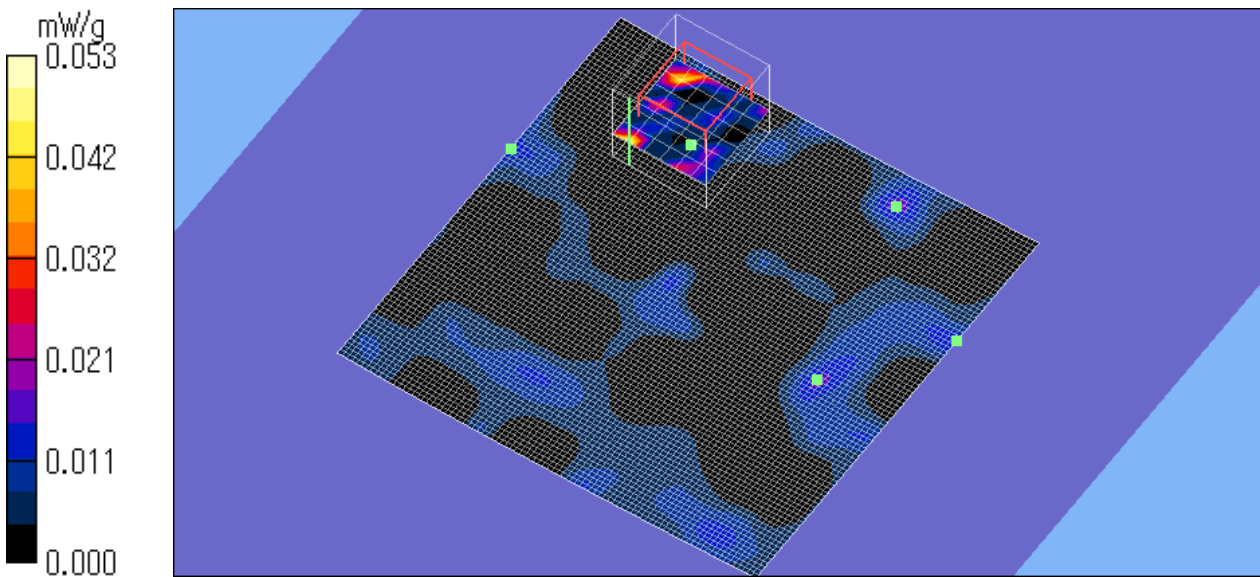
SAR(1 g) = 0.00451 mW/g; SAR(10 g) = 0.00144 mW/g

Maximum value of SAR (measured) = 0.053 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Main antenna/ Back of display(Notebook type) / 11g BPSK (6Mbps) / 2412MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.07 mW/g

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

Reference Value = 19.6 V/m; Power Drift = -0.118 dB

Peak SAR (extrapolated) = 1.00 W/kg

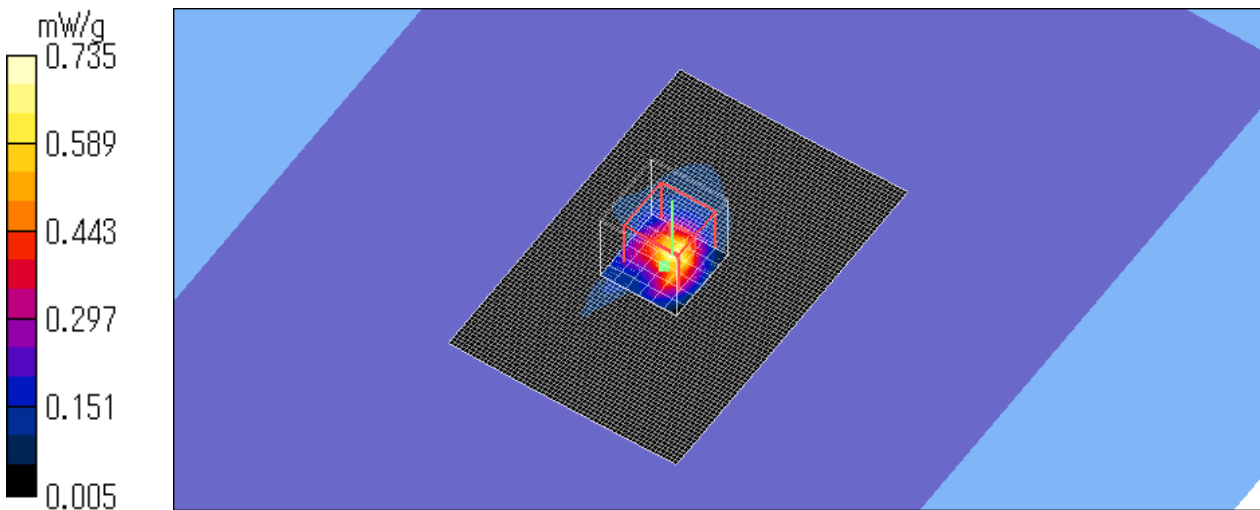
SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.192 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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FC-N21S/BY5SS/ Body/ Main antenna/ Back of display(Notebook type) / 11g BPSK (6Mbps) / 2462MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.969 mW/g

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

Reference Value = 21.1 V/m; Power Drift = -0.132 dB

Peak SAR (extrapolated) = 1.28 W/kg

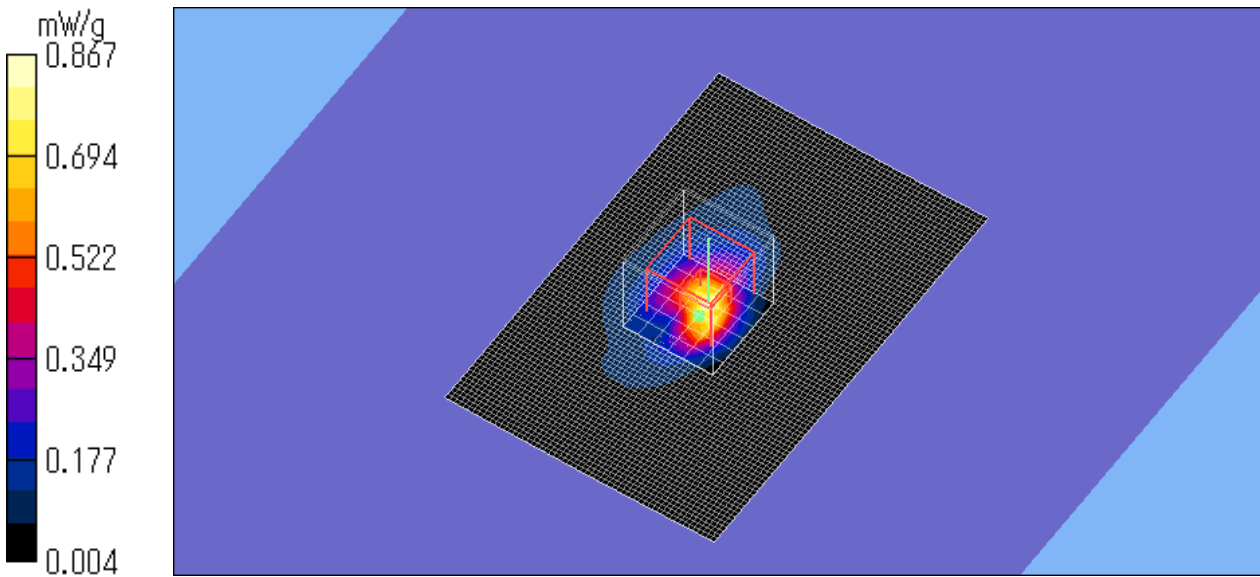
SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.227 mW/g

Maximum value of SAR (measured) = 0.867 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

Liquid Temperature = Before 23.4 degree.C , After 23.4 degree.C



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.529 mW/g

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

Reference Value = 11.4 V/m; Power Drift = 0.172 dB

Peak SAR (extrapolated) = 0.753 W/kg

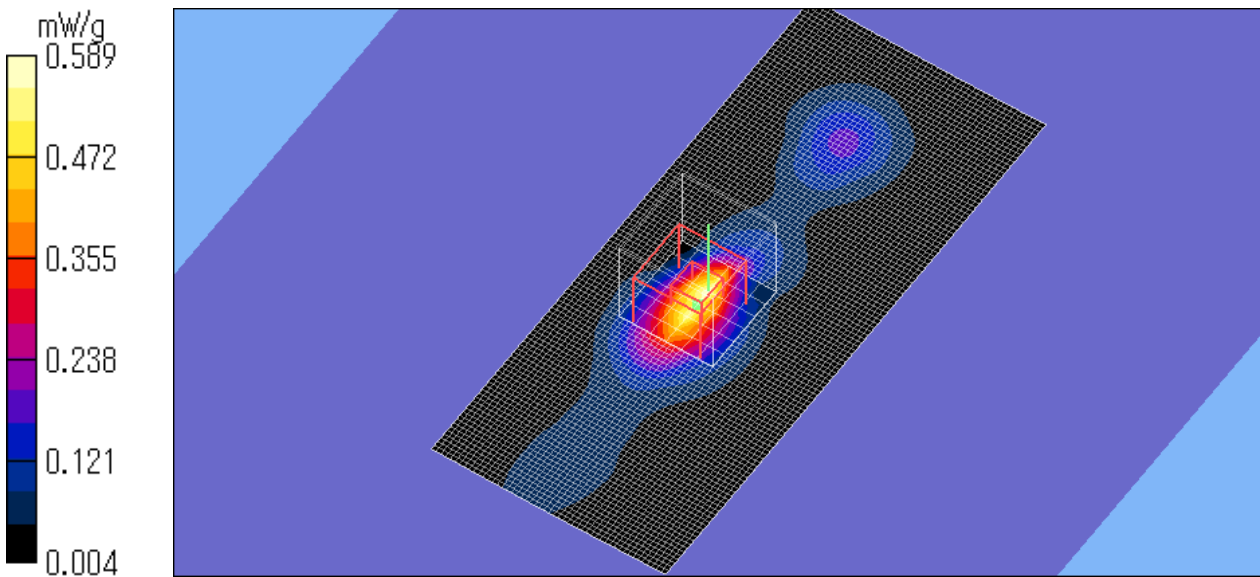
SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 0.589 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Notebook type) / 11b CCK (11Mbps) / 2437MHz

Crest factor: 1.2

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.601 mW/g

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

Reference Value = 12.3 V/m; Power Drift = 0.167 dB

Peak SAR (extrapolated) = 0.649 W/kg

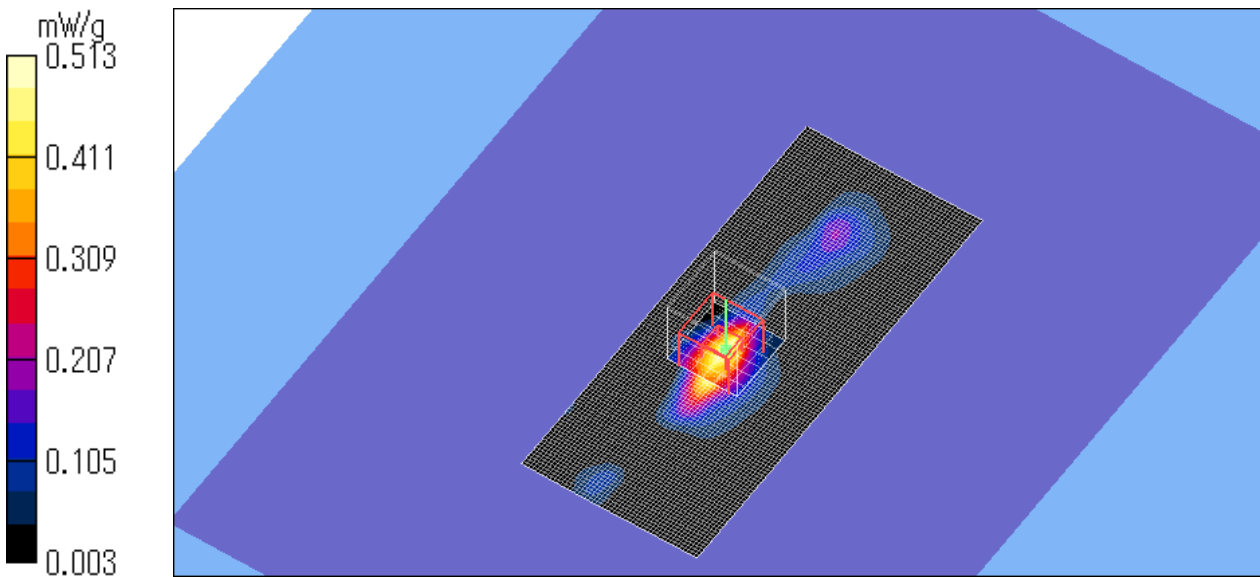
SAR(1 g) = 0.335 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.513 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Tablet type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (51x121x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 8.01 V/m; Power Drift = -0.170 dB

Peak SAR (extrapolated) = 0.222 W/kg

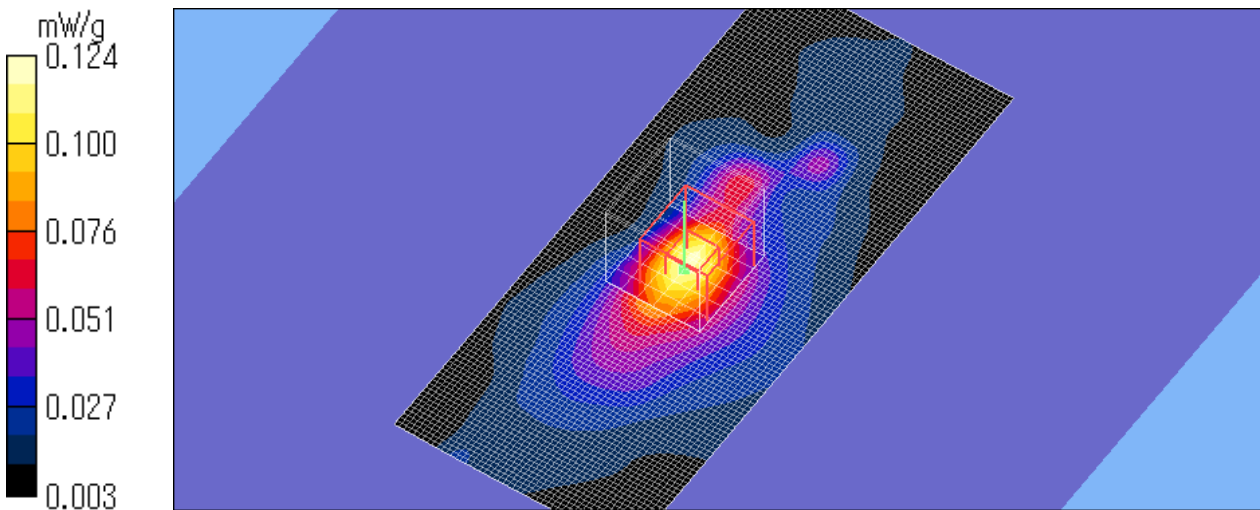
SAR(1 g) = 0.094 mW/g; SAR(10 g) = 0.037 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.34 mW/g

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

Reference Value = 12.3 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.78 W/kg

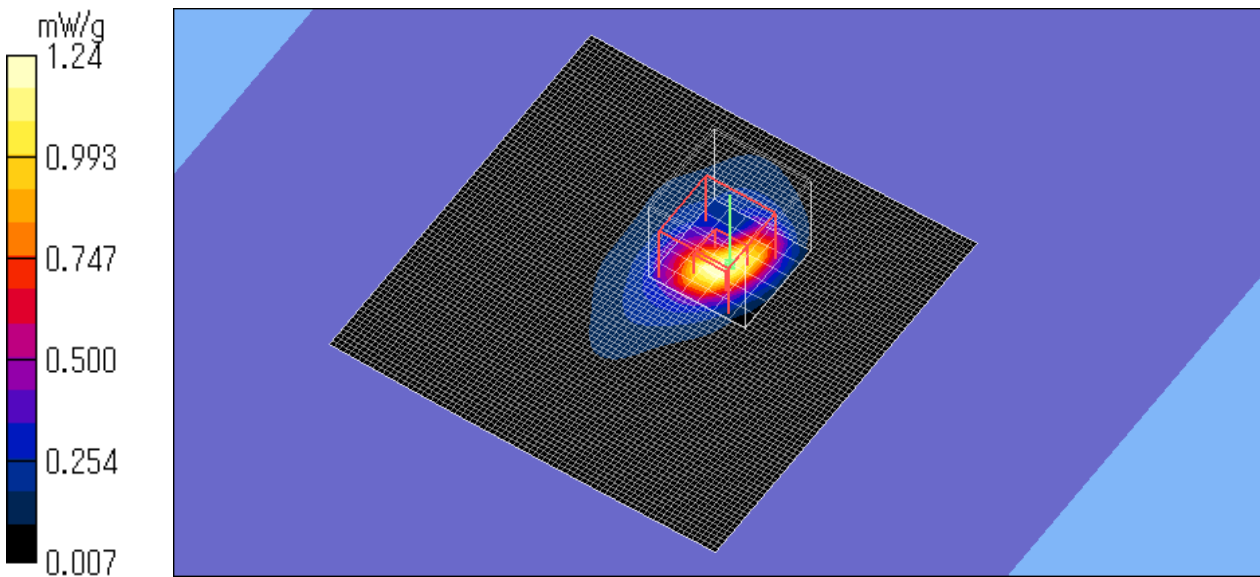
SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 1.24 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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Z-axis scan at max SAR location

FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

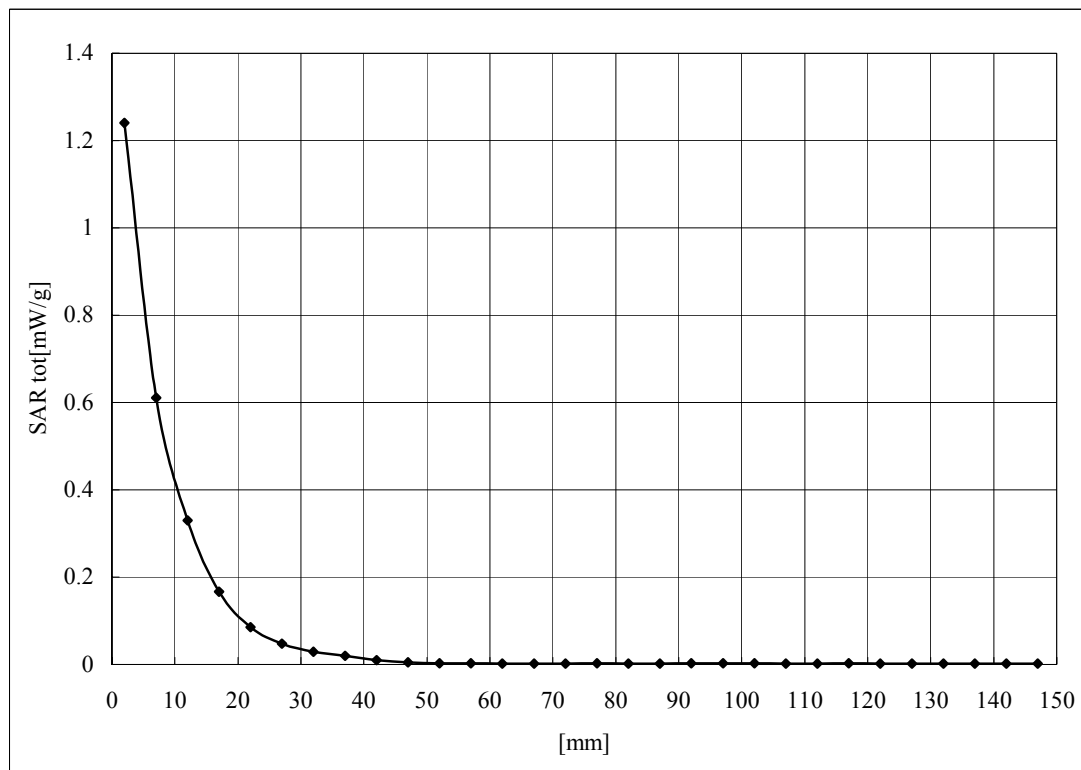
DASY4 Configuration:

- 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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FC-N21S/BY5SS/ Body/ Aux antenna/ Bottom (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.041 mW/g

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

Reference Value = 2.01 V/m; Power Drift = 0.201 dB

Peak SAR (extrapolated) = 0.062 W/kg

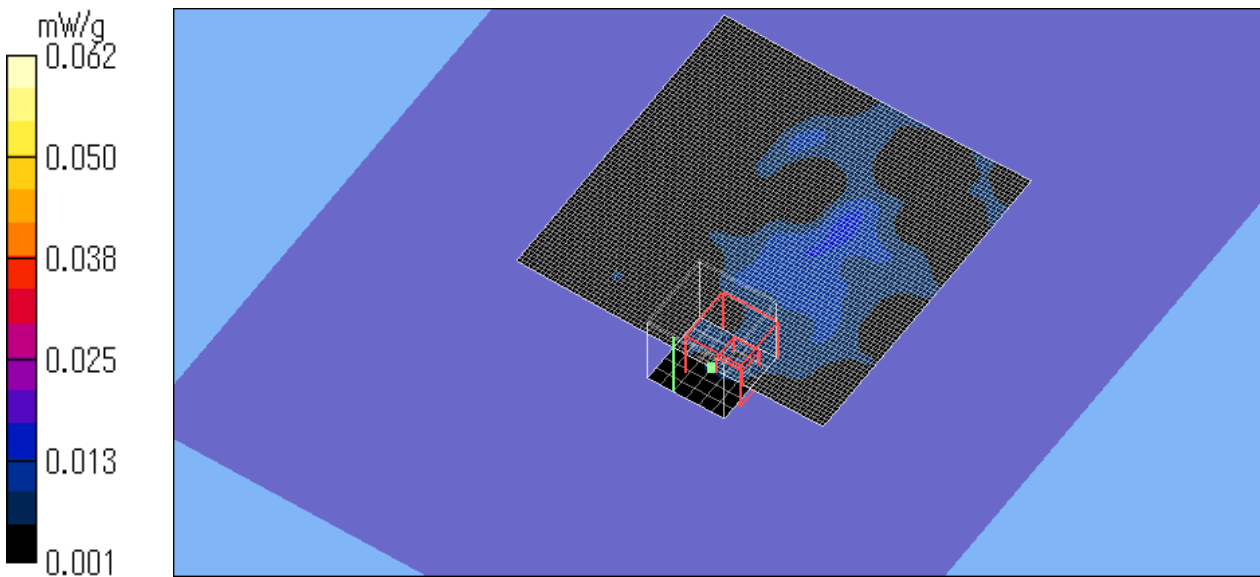
SAR(1 g) = 0.00402 mW/g; SAR(10 g) = 0.00118 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Front of display (Tablet type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.458 mW/g

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

Reference Value = 9.33 V/m; Power Drift = -0.128 dB

Peak SAR (extrapolated) = 0.593 W/kg

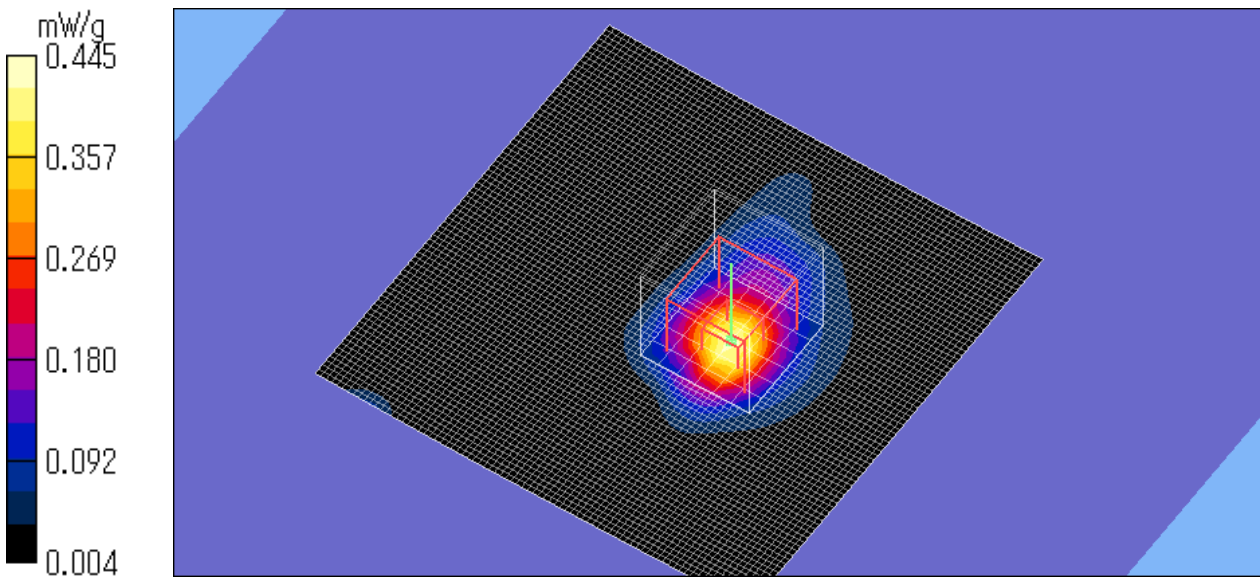
SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.445 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Left side (Tablet type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.029 mW/g

Zoom Scan (7x7x7)/Cube 1: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 2.50 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 0.050 W/kg

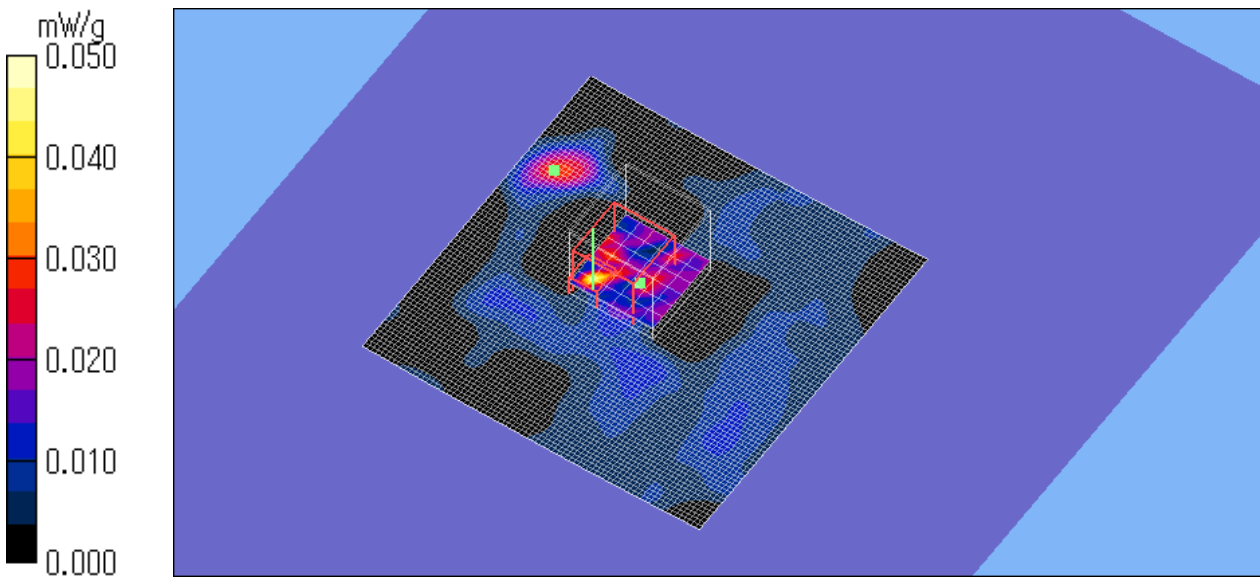
SAR(1 g) = 0.00853 mW/g; SAR(10 g) = 0.0039 mW/g

Maximum value of SAR (measured) = 0.050 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Bottom (Tablet type) / 11b DBPSK (1Mbps) / 2437MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.029 mW/g

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

Reference Value = 2.35 V/m; Power Drift = 0.112

Peak SAR (extrapolated) = 0.106 W/kg

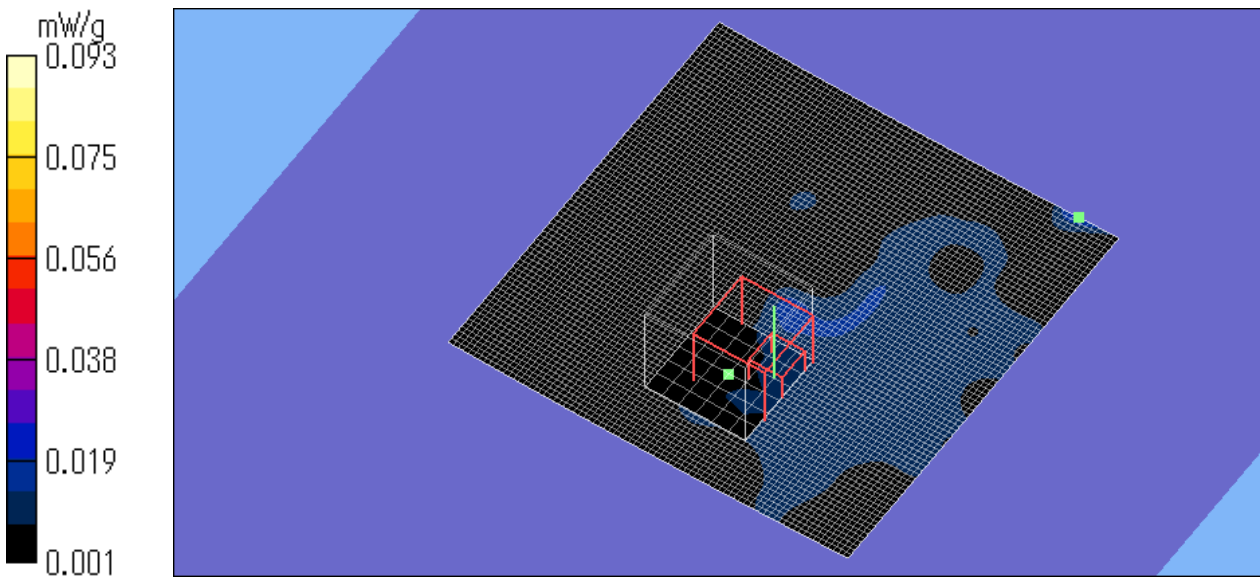
SAR(1 g) = 0.00812 mW/g; SAR(10 g) = 0.00279 mW/g

Maximum value of SAR (measured) = 0.093 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2412MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.984 mW/g

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

Reference Value = 15.4 V/m; Power Drift = -0.121 dB

Peak SAR (extrapolated) = 1.41 W/kg

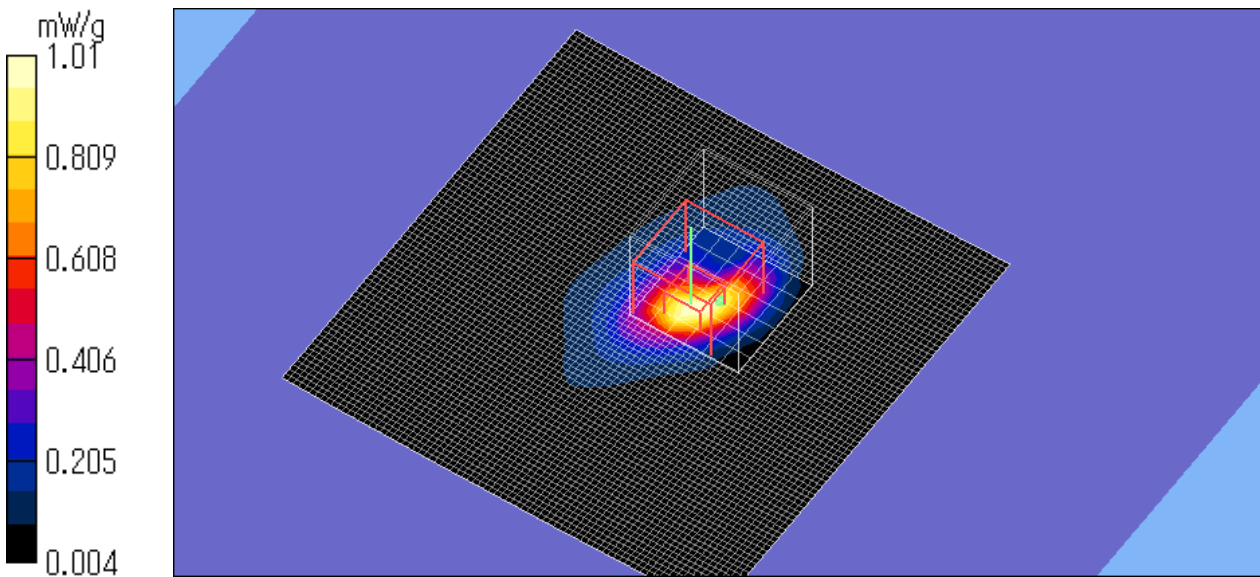
SAR(1 g) = 0.645 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 1.01 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2462MHz

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.19 mW/g

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

Reference Value = 19.6 V/m; Power Drift = -0.161 dB

Peak SAR (extrapolated) = 1.57 W/kg

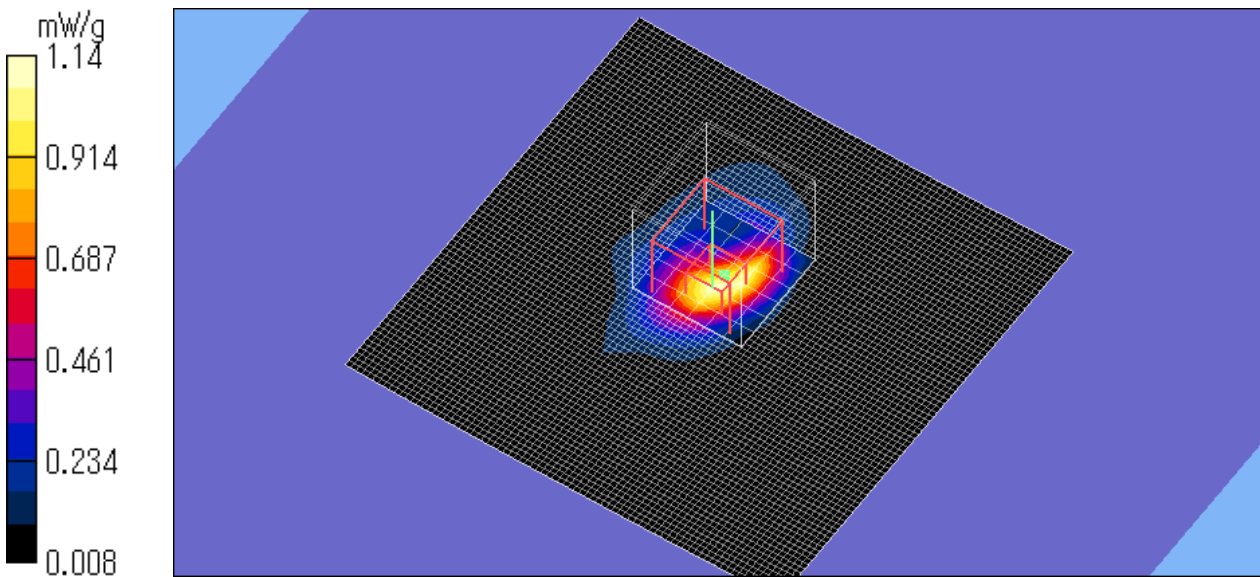
SAR(1 g) = 0.700 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 1.14 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Notebook type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.538 mW/g

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

Reference Value = 13.1 V/m; Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.694 W/kg

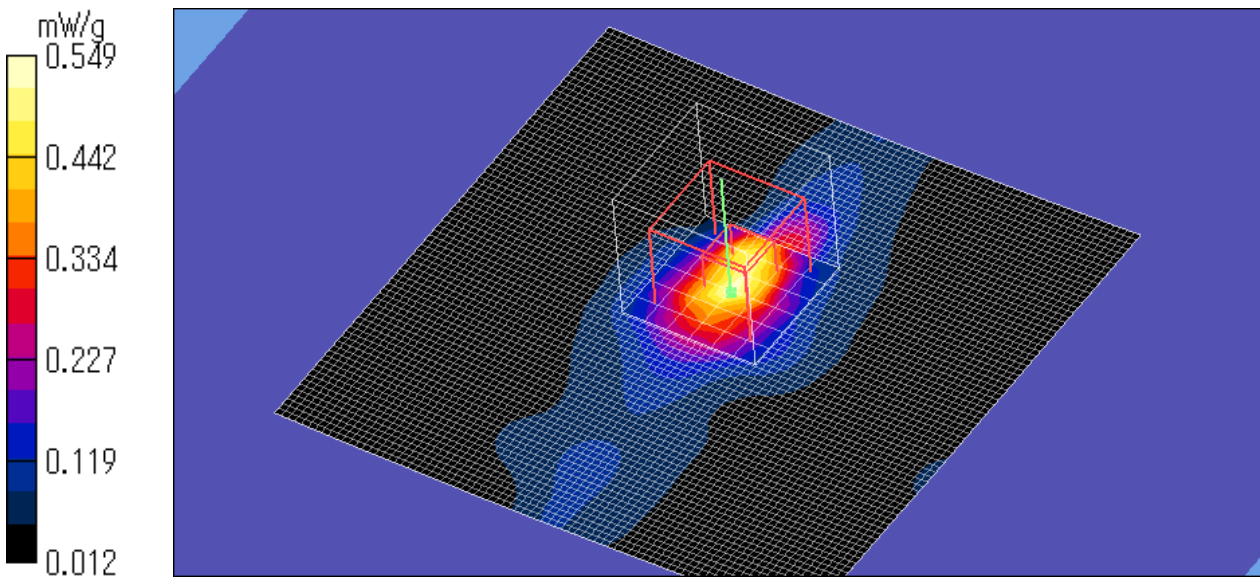
SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.188 mW/g

Maximum value of SAR (measured) = 0.549 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Notebook type) / 11g QPSK (12Mbps) / 2437MHz

Crest factor: 1.2

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.455 mW/g

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

Reference Value = 12.8 V/m; Power Drift = 0.037 dB

Peak SAR (extrapolated) = 0.641 W/kg

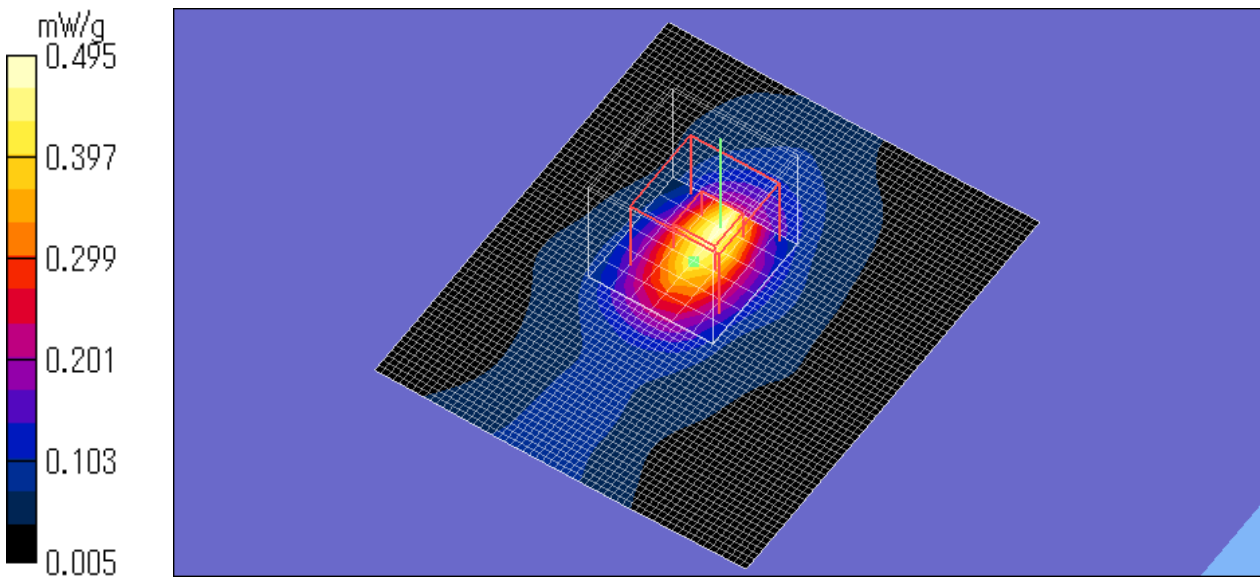
SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.173 mW/g

Maximum value of SAR (measured) = 0.495 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Notebook type) / 11g 16QAM (24Mbps) / 2437MHz

Crest factor: 1.4

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.425 mW/g

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

Reference Value = 12.1 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.605 W/kg

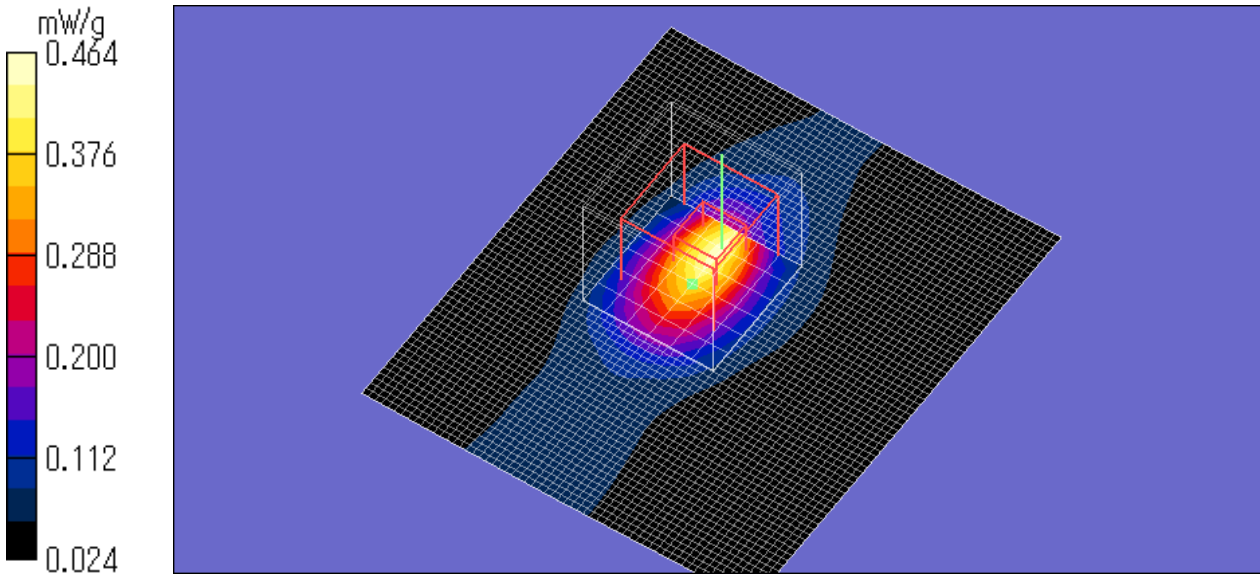
SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.464 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Notebook type) / 11g 64QAM (48Mbps) / 2437MHz

Crest factor: 1.7

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (61x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.305 mW/g

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

Reference Value = 10.8 V/m; Power Drift = -0.092 dB

Peak SAR (extrapolated) = 0.416 W/kg

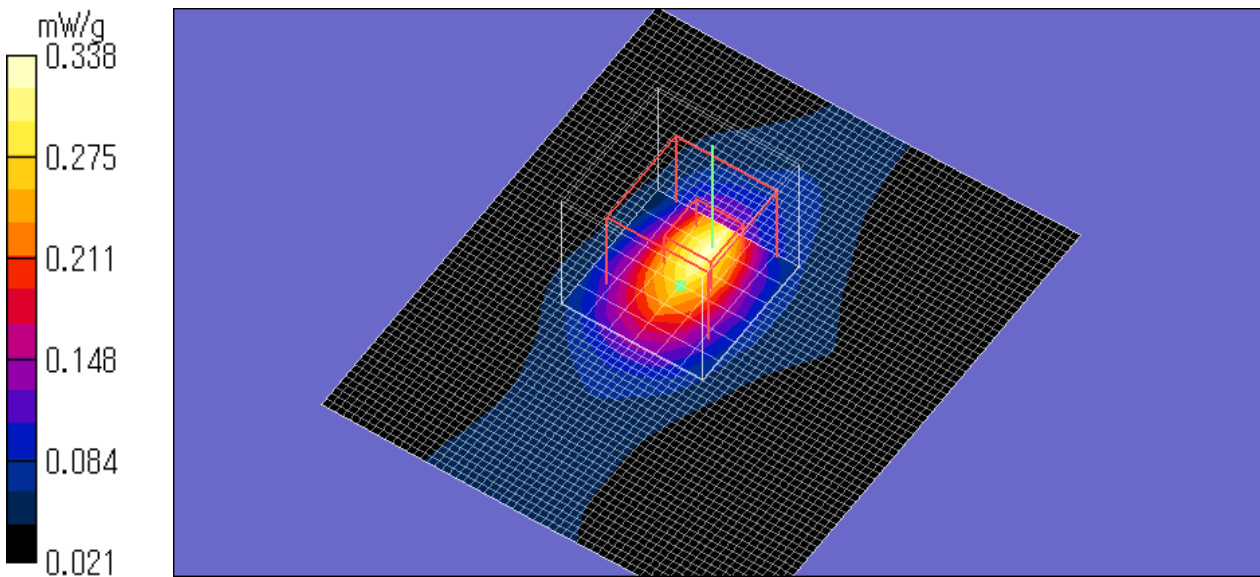
SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.338 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Top (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.120 mW/g

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

Reference Value = 7.67 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 0.144 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.129 mW/g

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.67 V/m; Power Drift = -0.103 dB

Peak SAR (extrapolated) = 0.098 W/kg

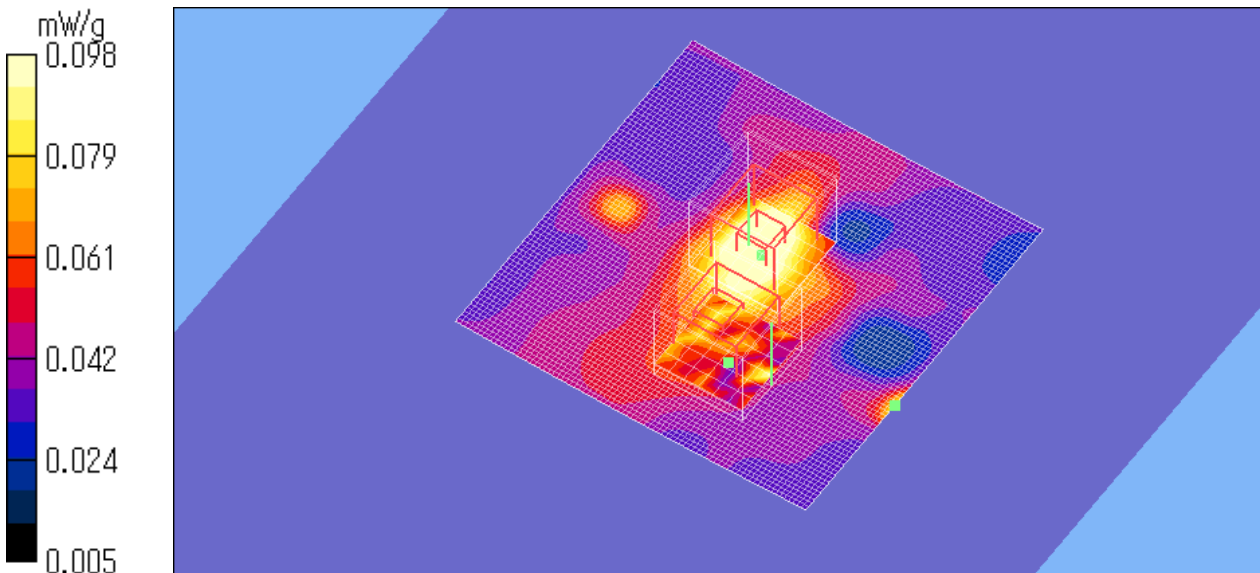
SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.050 mW/g

Maximum value of SAR (measured) = 0.098 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Back of Display(Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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) = 0.832 mW/g

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

Reference Value = 18.0 V/m; Power Drift = 0.140 dB

Peak SAR (extrapolated) = 1.65 W/kg

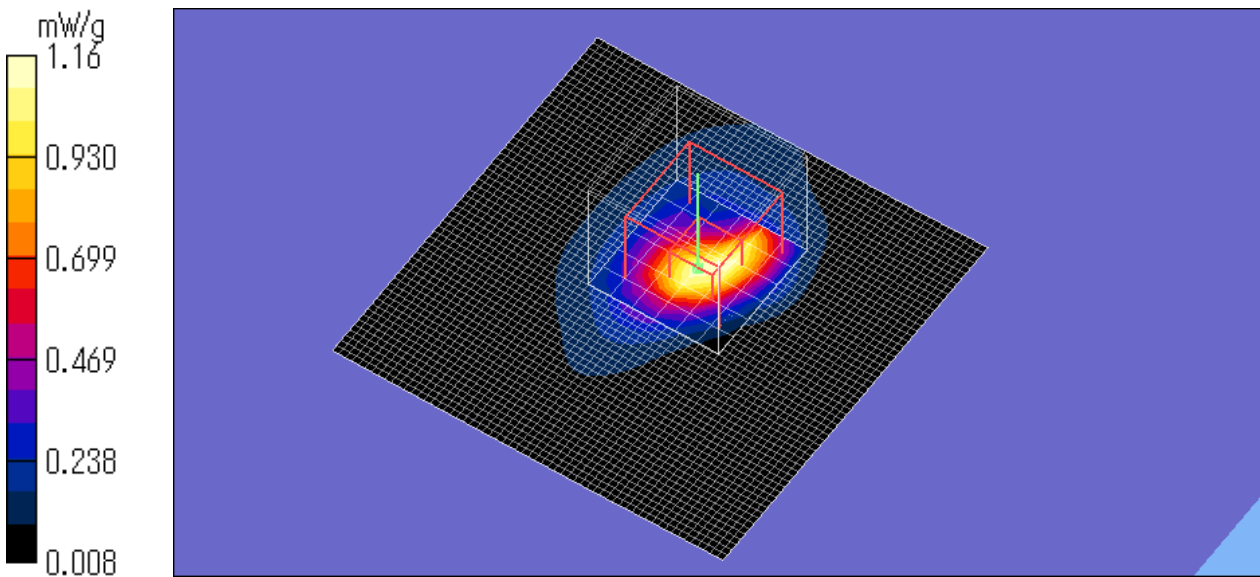
SAR(1 g) = 0.730 mW/g; SAR(10 g) = 0.311 mW/g

Maximum value of SAR (measured) = 1.16 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Bottom (Notebook type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.050 mW/g

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

Reference Value = 1.88 V/m; Power Drift = -0.193 dB

Peak SAR (extrapolated) = 0.057 W/kg

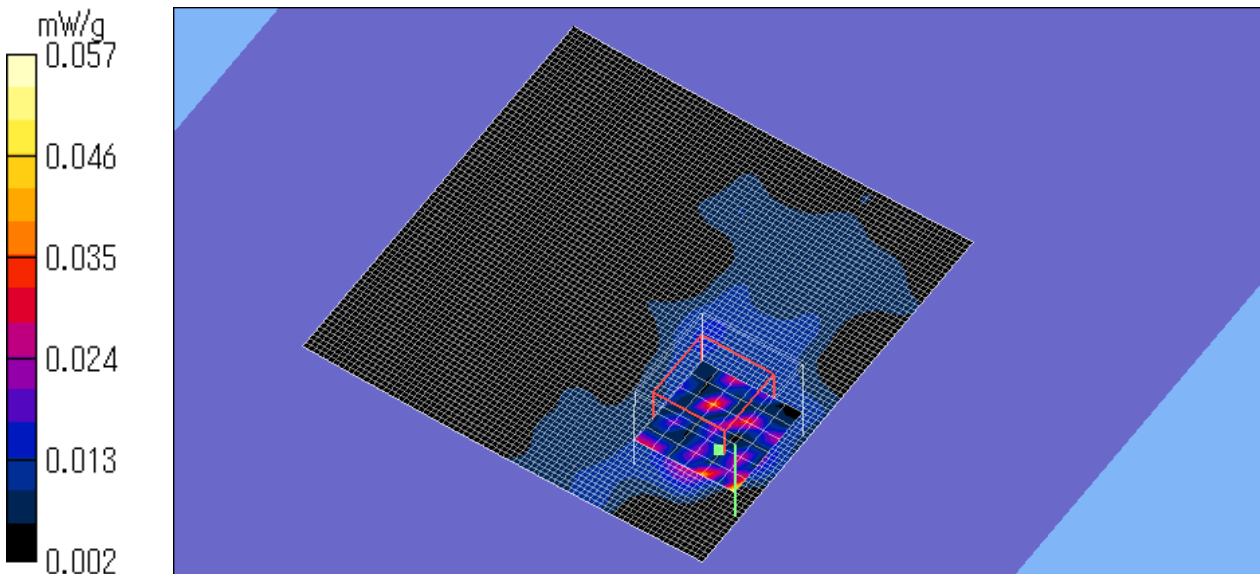
SAR(1 g) = 0.00951 mW/g; SAR(10 g) = 0.00358 mW/g

Maximum value of SAR (measured) = 0.057 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.C

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Front (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.390 mW/g

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

Reference Value = 10.3 V/m; Power Drift = -0.101 dB

Peak SAR (extrapolated) = 0.397 W/kg

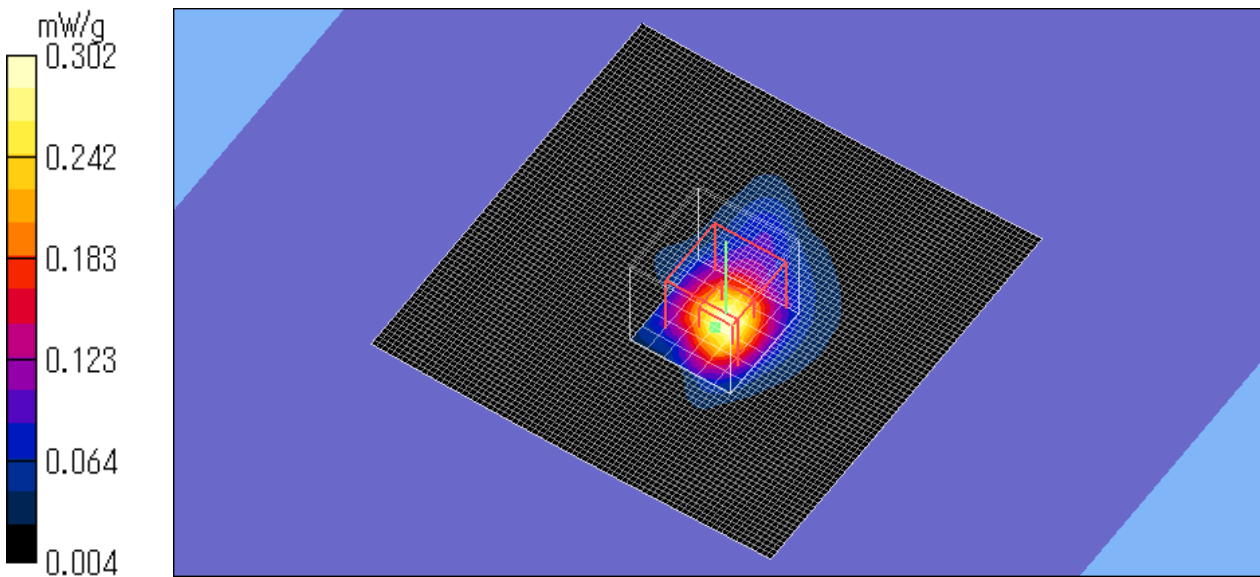
SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.103 mW/g

Maximum value of SAR (measured) = 0.302 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Right side (Notebook type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.022 mW/g

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

Reference Value = 2.99 V/m; Power Drift = 0.195 dB

Peak SAR (extrapolated) = 0.041 W/kg

SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.00387 mW/g

Maximum value of SAR (measured) = 0.041 mW/g

Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.99 V/m; Power Drift = 0.195 dB

Peak SAR (extrapolated) = 0.066 W/kg

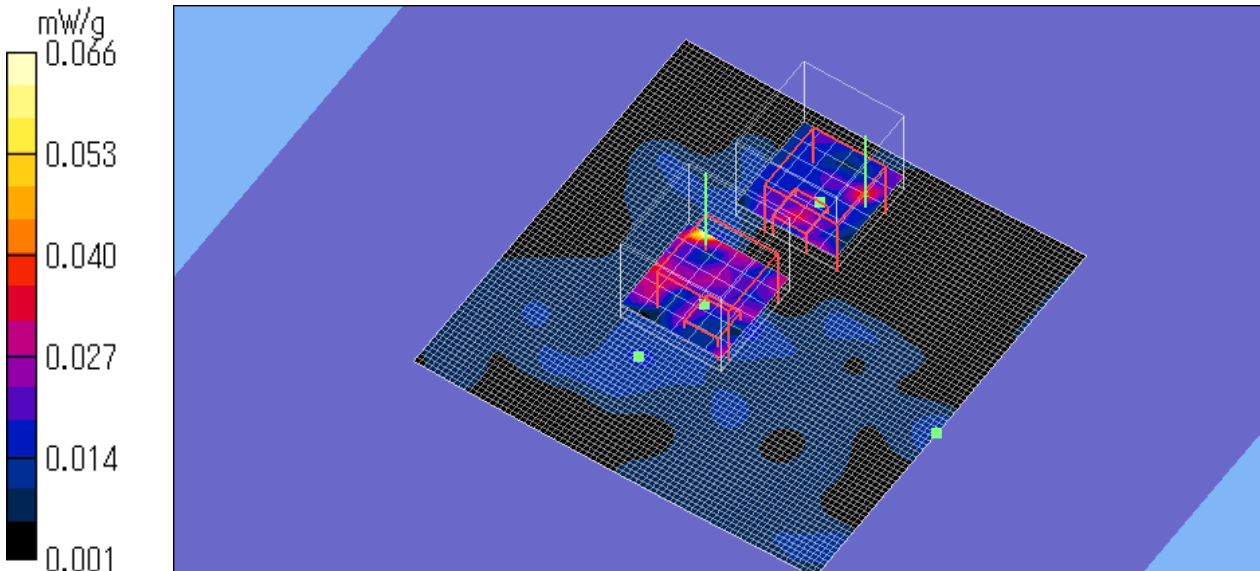
SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00484 mW/g

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

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Bottom (Tablet type) / 11g BPSK (6Mbps) / 2437MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.047 mW/g

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

Reference Value = 2.26 V/m; Power Drift = 0.177 dB

Peak SAR (extrapolated) = 0.047 W/kg

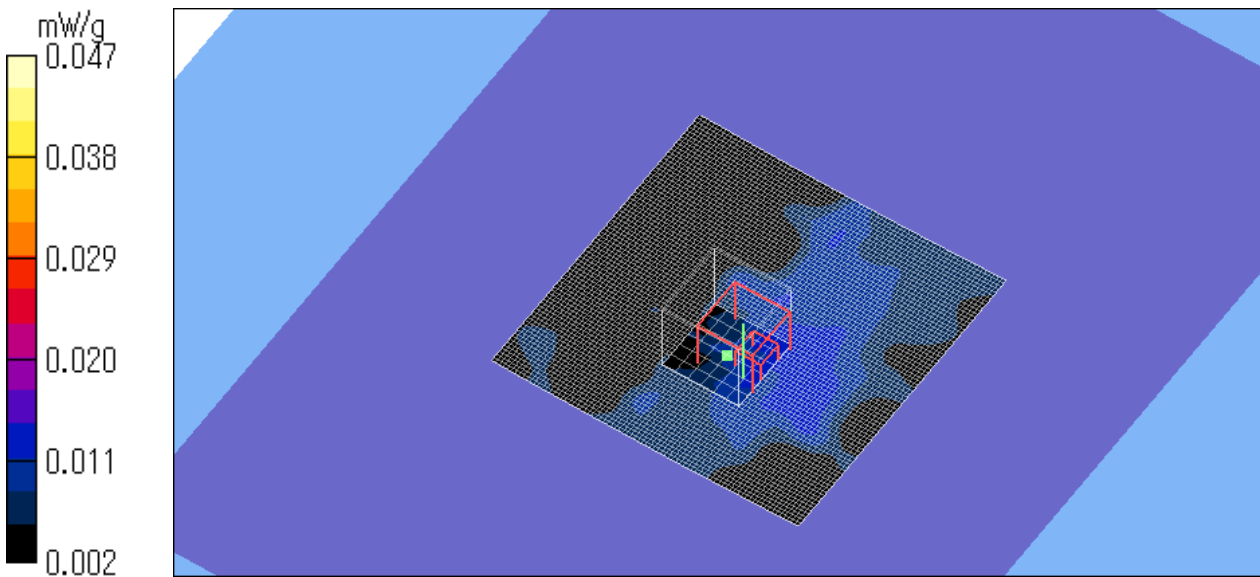
SAR(1 g) = 0.00738 mW/g; SAR(10 g) = 0.00297 mW/g

Maximum value of SAR (measured) = 0.047 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11g BPSK (6Mbps) / 2412MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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) = 0.649 mW/g

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

Reference Value = 16.8 V/m; Power Drift = -0.185 dB

Peak SAR (extrapolated) = 1.23 W/kg

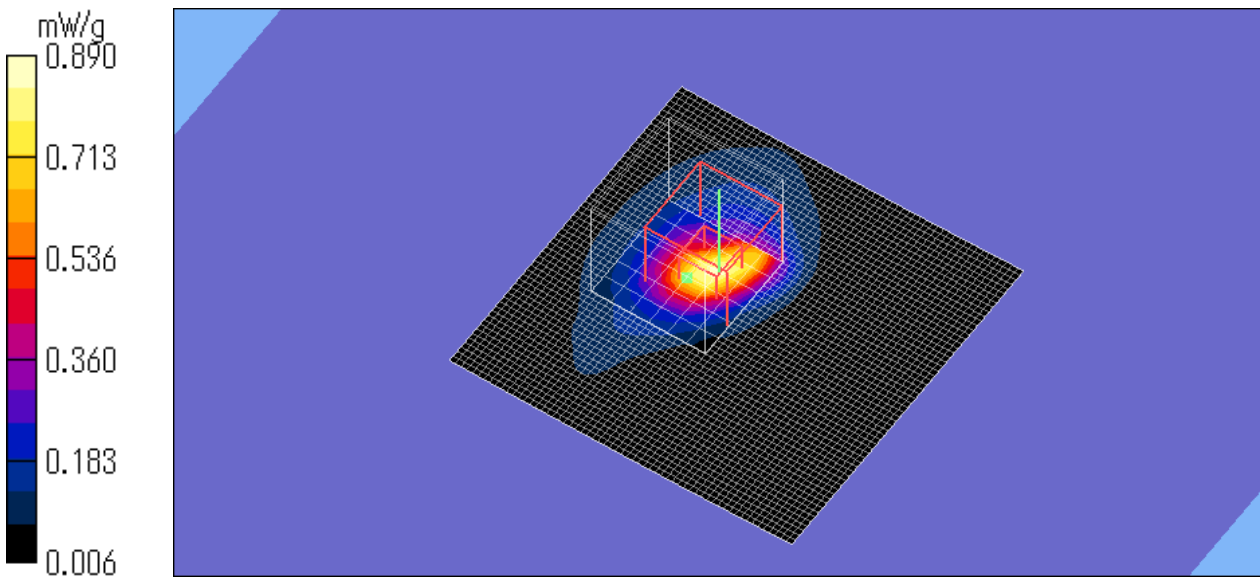
SAR(1 g) = 0.557 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.890 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11g BPSK (6Mbps) / 2462MHz

Crest factor: 1.1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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) = 0.830 mW/g

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

Reference Value = 14.9 V/m; Power Drift = -0.147 dB

Peak SAR (extrapolated) = 1.30 W/kg

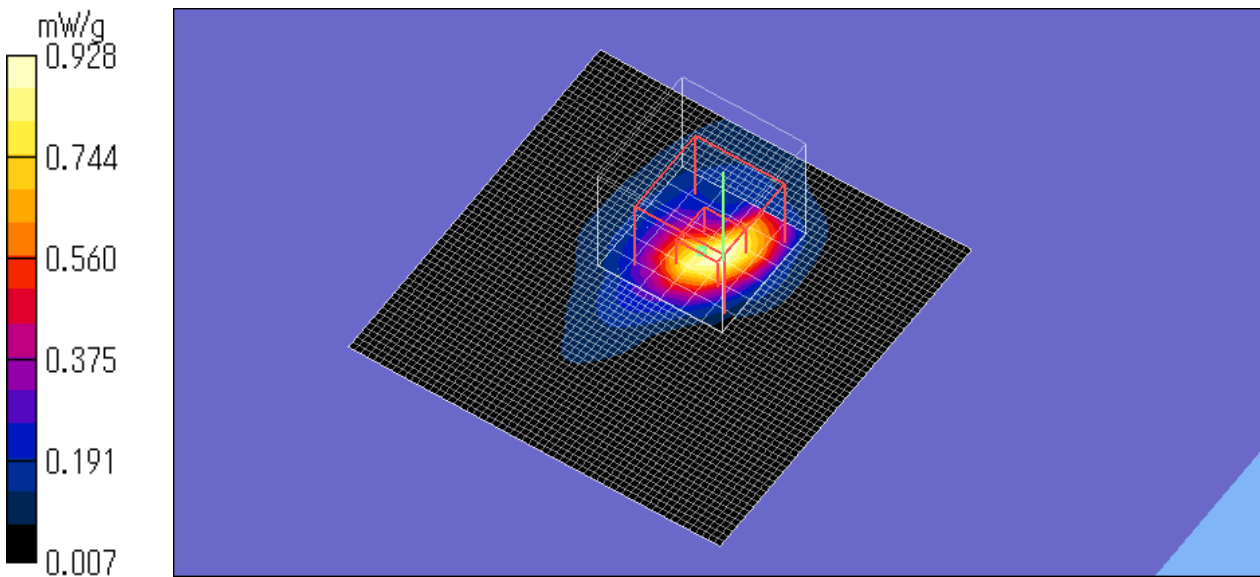
SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.247 mW/g

Maximum value of SAR (measured) = 0.928 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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**FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz
/ Separation 5mm**

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.593 mW/g

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

Reference Value = 10.1 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.885 W/kg

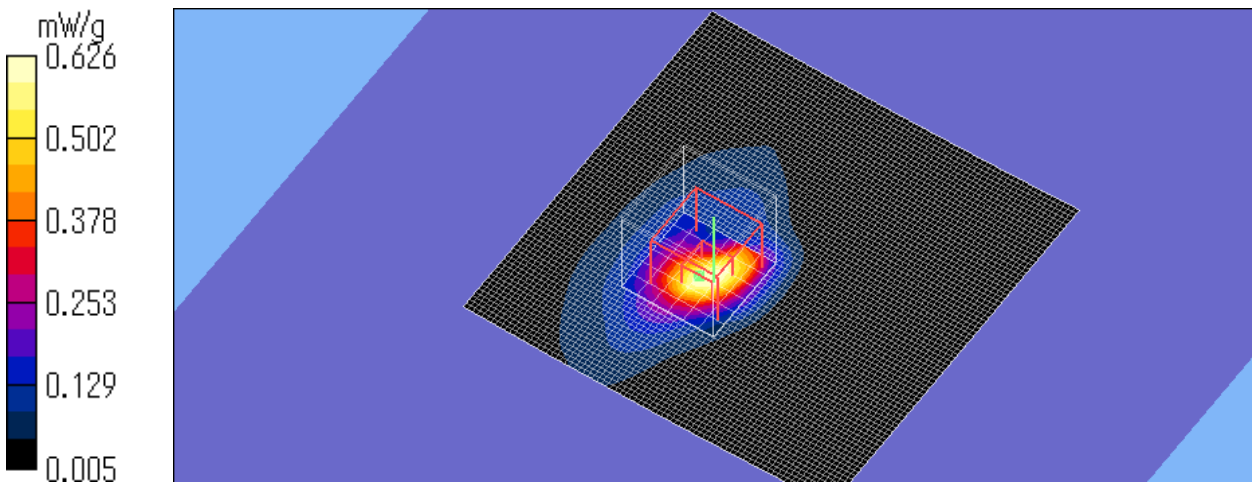
SAR(1 g) = 0.420 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 0.626 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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**FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz
/ Separation 10mm**

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.284 mW/g

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

Reference Value = 9.54 V/m; Power Drift = -0.172 dB

Peak SAR (extrapolated) = 0.387 W/kg

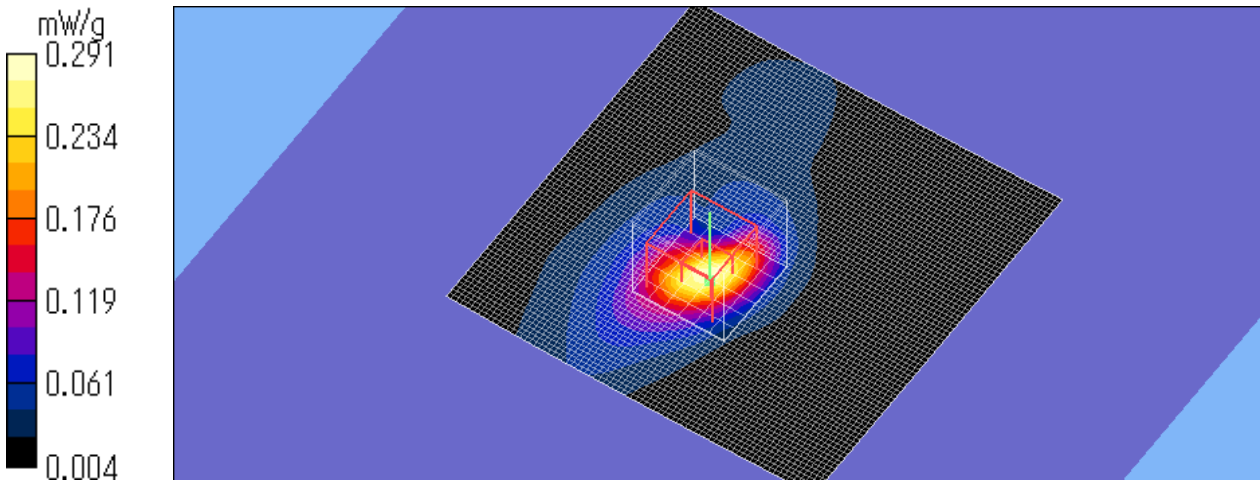
SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.291 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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**FC-N21S/BY5SS/ Body/ Aux antenna/ Back of display (Notebook type) / 11b DBPSK (1Mbps) / 2437MHz/
Separation 15mm**

Crest factor: 1

Medium: M2450 Medium parameters used: $f = 2450$ MHz; $\sigma = 2.02$ mho/m; $\epsilon_r = 51$; $\rho = 1000$ 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 (81x81x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.111 mW/g

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

Reference Value = 5.22 V/m; Power Drift = -0.082 dB

Peak SAR (extrapolated) = 0.145 W/kg

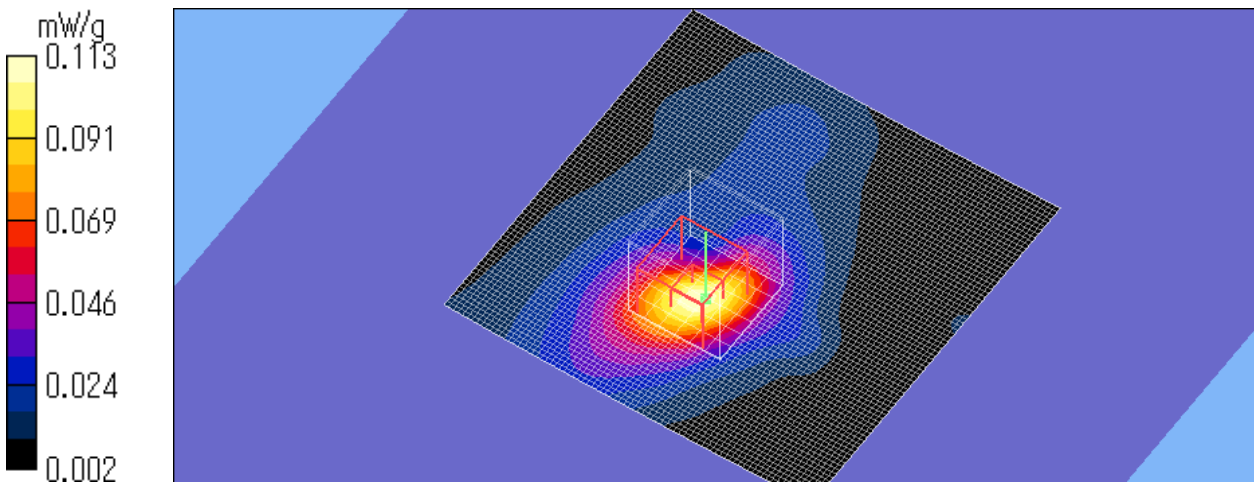
SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.113 mW/g

Test Date = 08/22/07

Ambient Temperature = 24.5 degree.c

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



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