

APPENDIX 1 : SAR Measurement data

1. Evaluation procedure

The evaluation was performed with the following procedure:

Step 1: Measurement of the E-field at a fixed location above the ear point or central position of flat phantom was used as a reference value for assessing the power drop.

Step 2: The SAR distribution at the exposed side of head or body position was measured at a distance of each device from the inner surface of the shell. The area covered the entire dimension of the antenna of EUT and the horizontal grid spacing was 15 mm x 15 mm for below 3GHz. (or 10mm x 10mm for above 3GHz.). 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 or more was assessed by measuring 7 x 7 x 7 points at least for below 3GHz and a volume of 28 mm x 28mm x 22.5mm or more was assessed by measuring 8 x 8 x 6(ratio step method (*1)) points at least for 5GHz band.

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(EX3DV4) 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.

***1. Ratio step method parameters used;**

The first measurement point: 2mm from the phantom surface, the initial grid separation: 2mm, subsequent graded grid ratio: 1.5

These parameters comply with the requirement of the KDB 865664.

In the section of SAR Scan Procedures-Zoom Scan, in KDB 865664 (October 2006 revised, publication date: April 16, 2007): SAR Measurement Requirements

for 3-6GHz, the graded grids requirement is as follows;

“When graded grids are used (z), the first measurement point should be within 3mm of the phantom surface for measurements below 4.5GHz and within 2mm at or above 4.5GHz. The initial grid separation, closest to the phantom, should be 2.0mm. A subsequent graded ration of 1.5 is recommended and less than 2.0 is required. “

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

2. Measurement data

i) WLAN 2.4GHz

Ant.1 Laptop Bottom WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS52, Version 52.8 (0);

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.00593 mW/g

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

Reference Value = 0.443 V/m; Power Drift = 0.15 dB

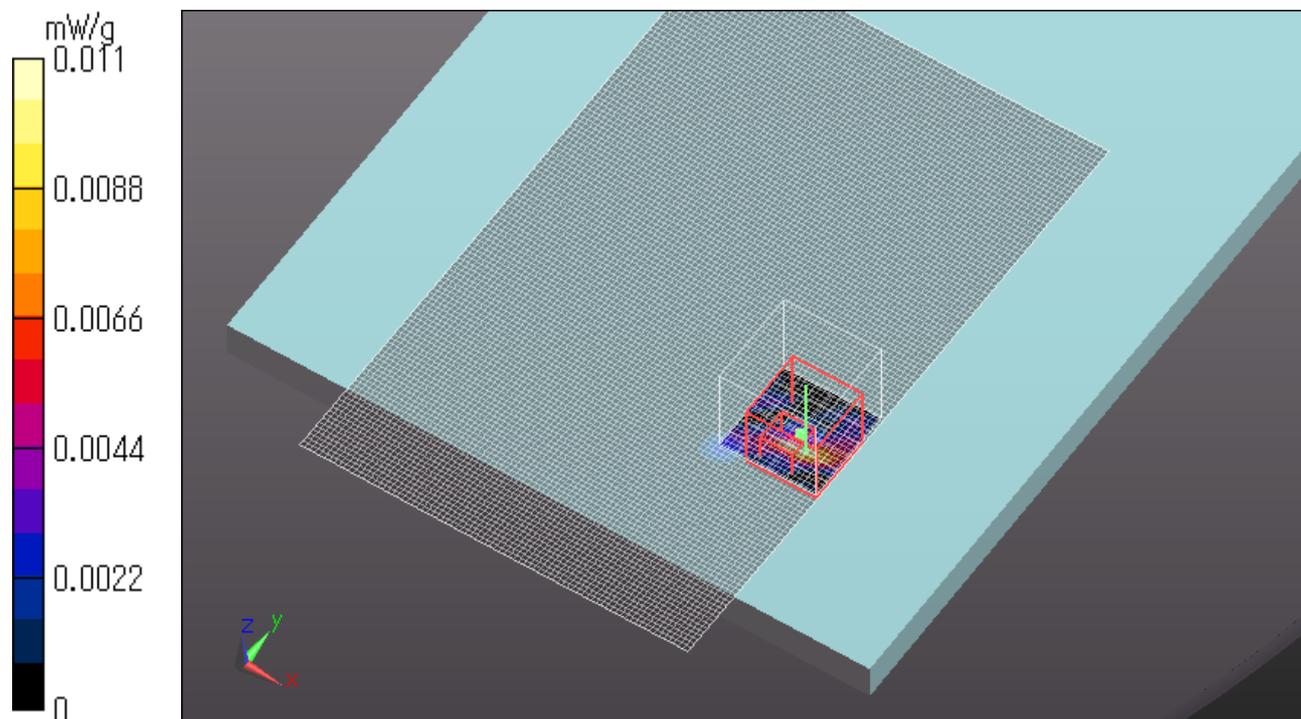
Peak SAR (extrapolated) = 0.0190

SAR(1 g) = 0.00292 mW/g; SAR(10 g) = 0.000717 mW/g

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

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Rear WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 0.914 V/m; Power Drift = -0.11 dB

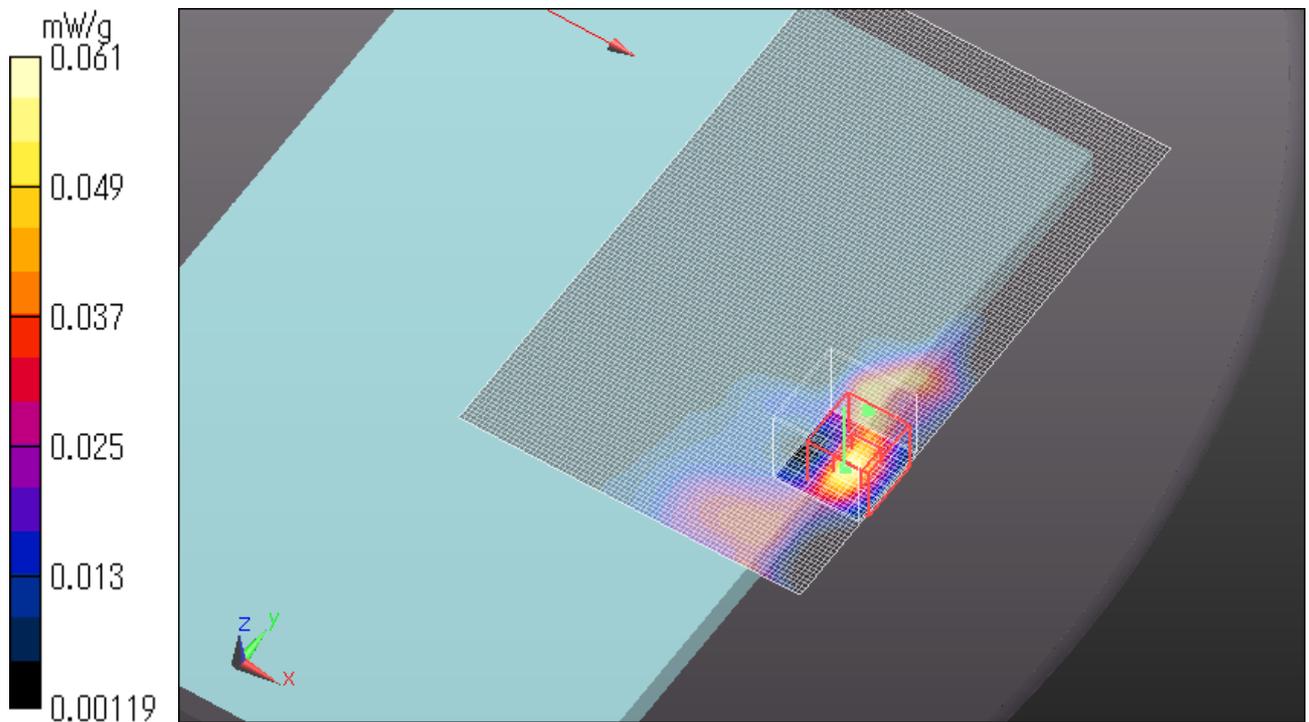
Peak SAR (extrapolated) = 0.1060

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.017 mW/g

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

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Long Edge WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r = 50.468$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.317 mW/g

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

Reference Value = 2.134 V/m; Power Drift = 0.20 dB

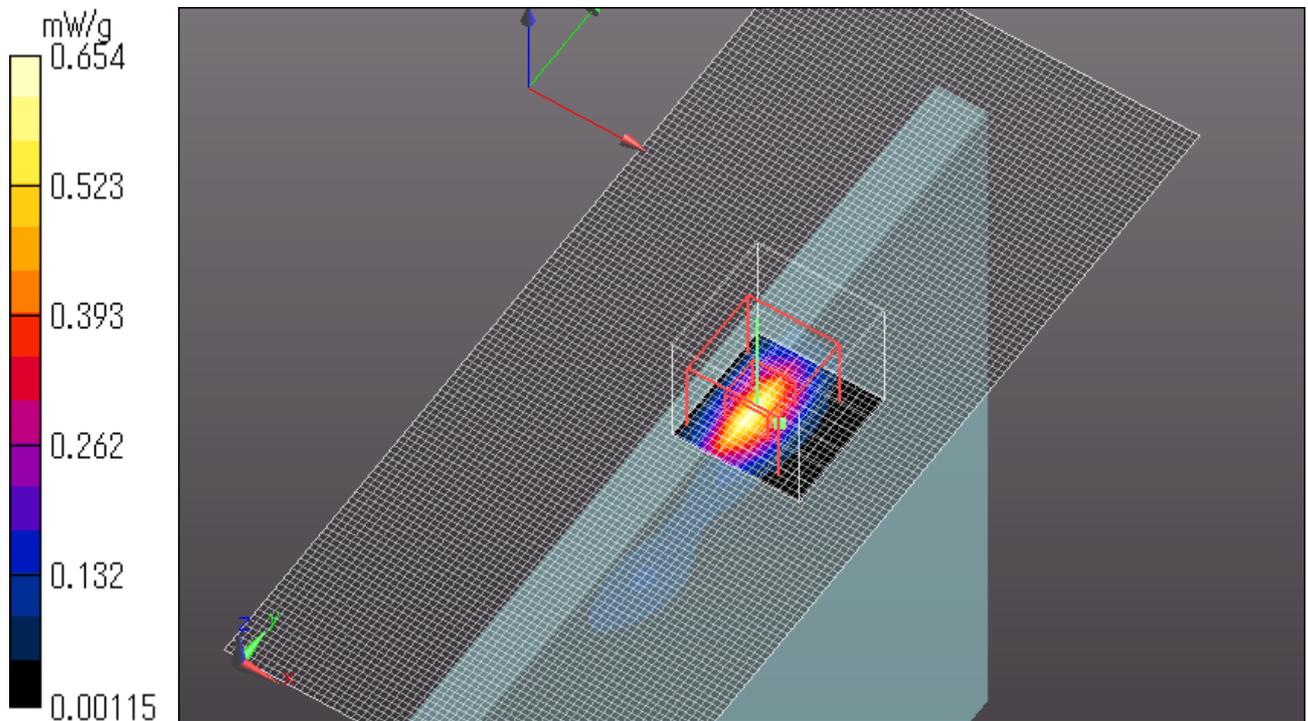
Peak SAR (extrapolated) = 1.0890

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.654 mW/g

Date: 2012/08/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Fixed Short Edge WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (61x101x1): 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 = 0.198 V/m; Power Drift = 0.13 dB

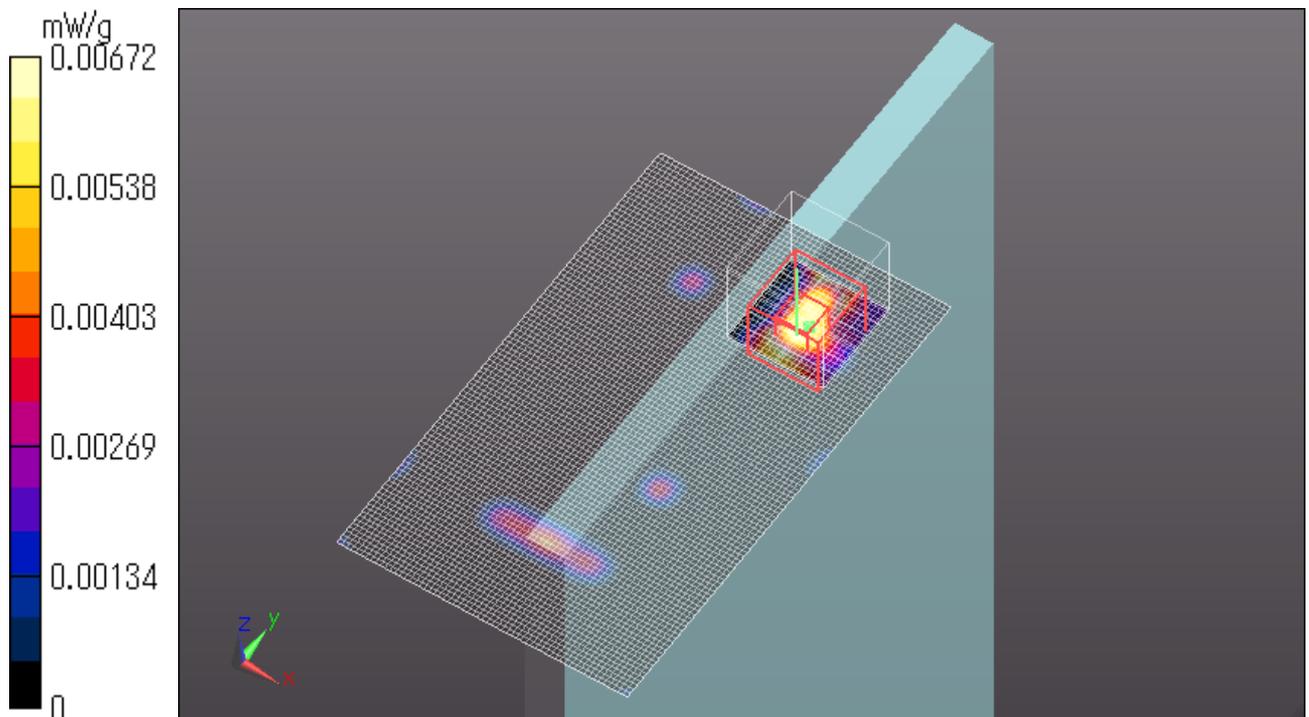
Peak SAR (extrapolated) = 0.00890

SAR(1 g) = 0.00514 mW/g; SAR(10 g) = 0.00227 mW/g

Maximum value of SAR (measured) = 0.00672 mW/g

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Fixed Long Edge WLAN 11b 1Mbps 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r = 50.468$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.360 mW/g

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

Reference Value = 2.996 V/m; Power Drift = -0.13 dB

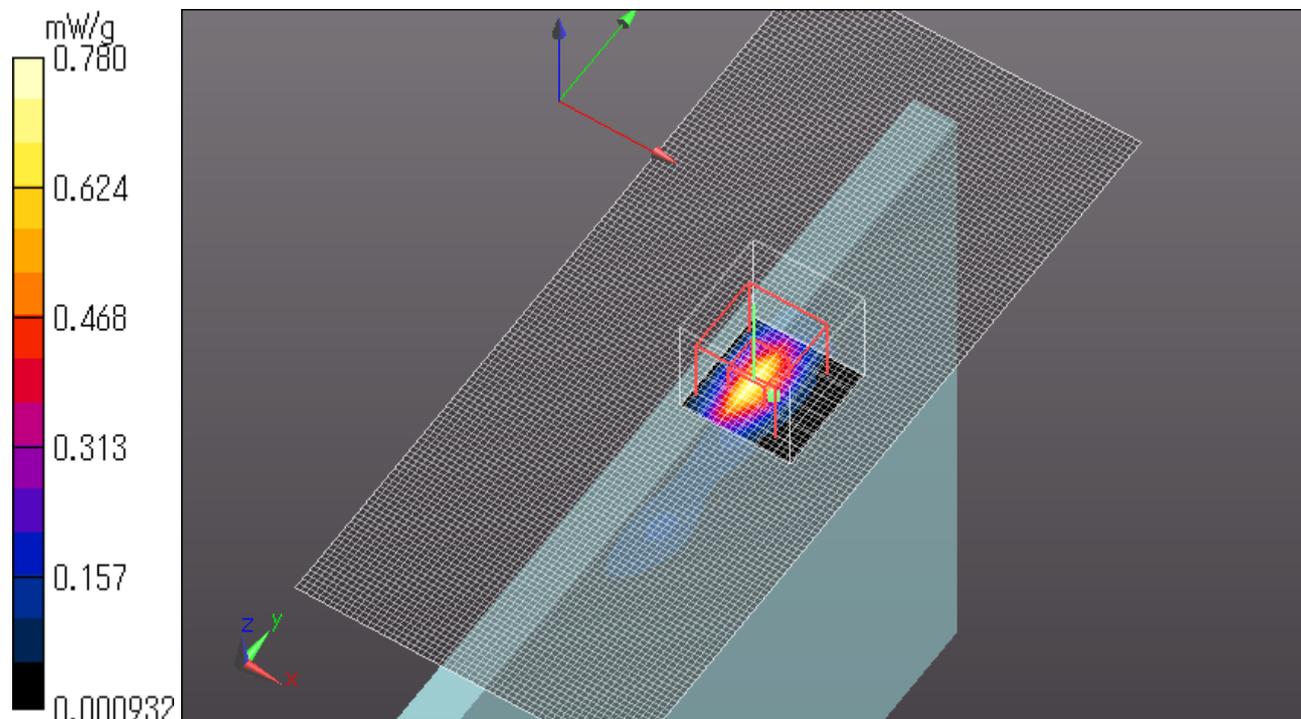
Peak SAR (extrapolated) = 1.1890

SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 0.780 mW/g

Date: 2012/08/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Z Scan at Maximum BODY SAR position in WLAN 2412MHz - 2462MHz

Ant.1 Tablet Long Edge WLAN 11b 1Mbps 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r = 50.468$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

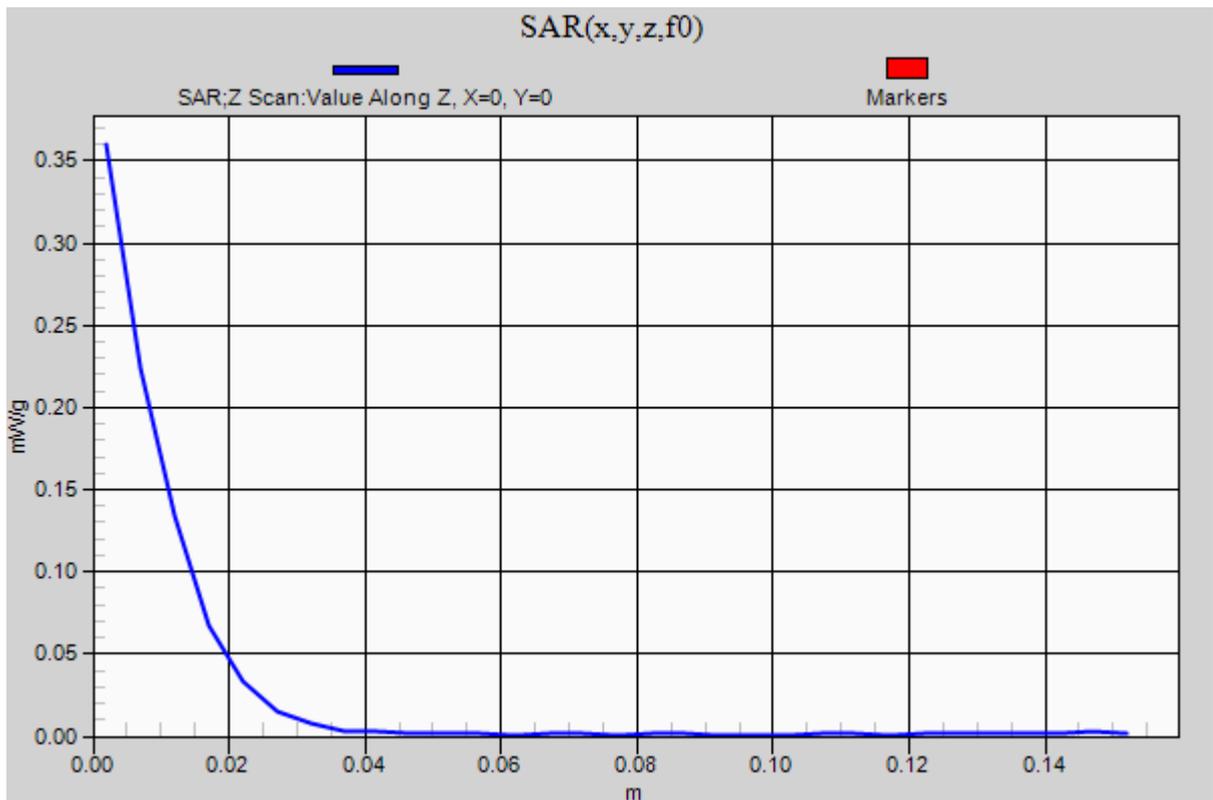
Measurement SW: DASYS2, Version 52.8 (0);

Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

Maximum value of SAR (measured) = 0.360 mW/g

Date: 2012/08/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Laptop Bottom WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.018 mW/g

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

Reference Value = 0.435 V/m; Power Drift = 0.17 dB

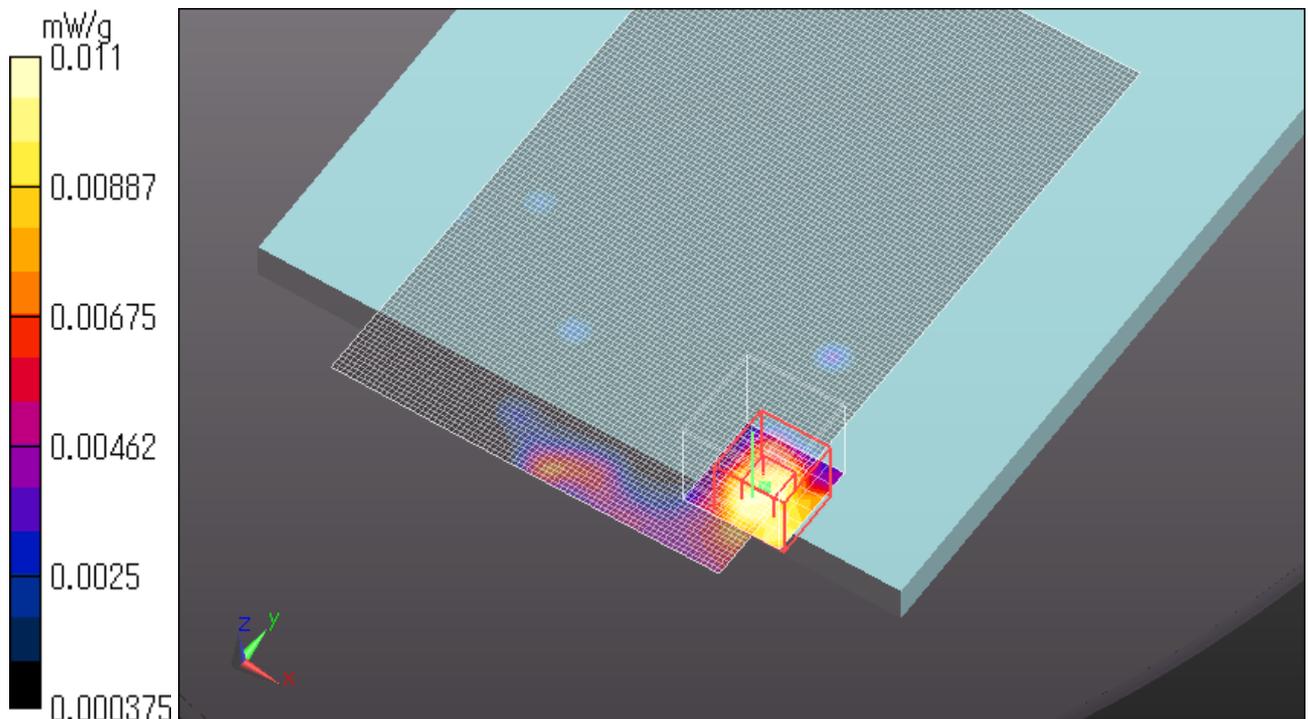
Peak SAR (extrapolated) = 0.0150

SAR(1 g) = 0.00745 mW/g; SAR(10 g) = 0.00412 mW/g

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

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Rear WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x131x1): Measurement grid: dx=15mm, dy=15mm

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

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

Reference Value = 0.739 V/m; Power Drift = 0.11 dB

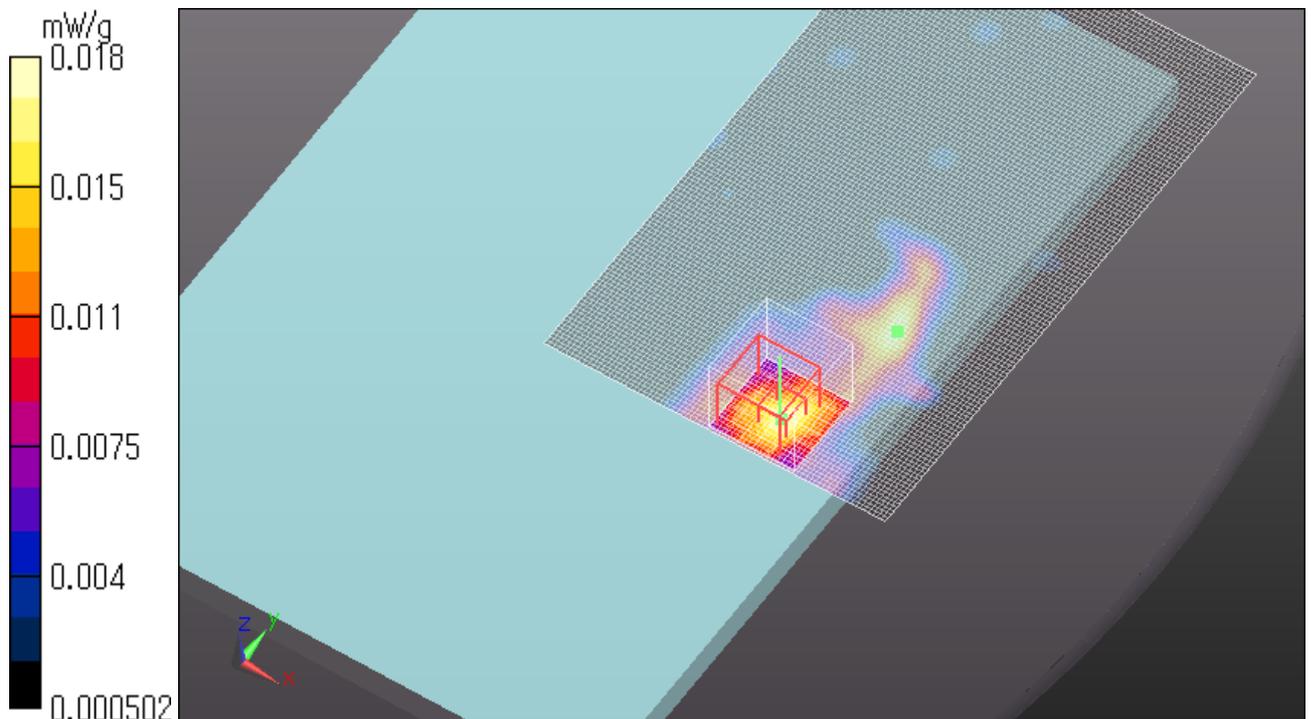
Peak SAR (extrapolated) = 0.0250

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00612 mW/g

Maximum value of SAR (measured) = 0.018 mW/g

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.051 mW/g

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

Reference Value = 1.757 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0930

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.017 mW/g

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

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.757 V/m; Power Drift = 0.11 dB

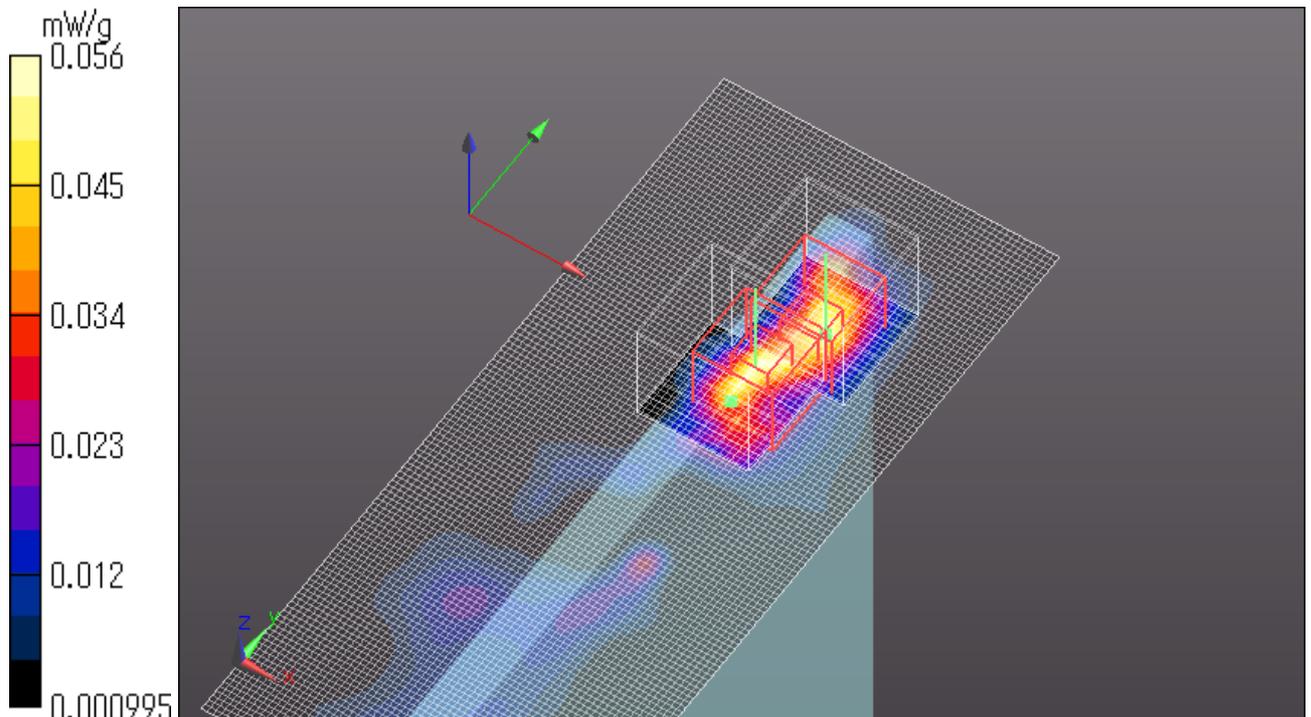
Peak SAR (extrapolated) = 0.1770

SAR(1 g) = 0.031 mW/g; SAR(10 g) = 0.013 mW/g

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

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Short Edge WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r = 50.337$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

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

Maximum value of SAR (interpolated) = 0.00986 mW/g

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

Reference Value = 0.782 V/m; Power Drift = 0.17 dB

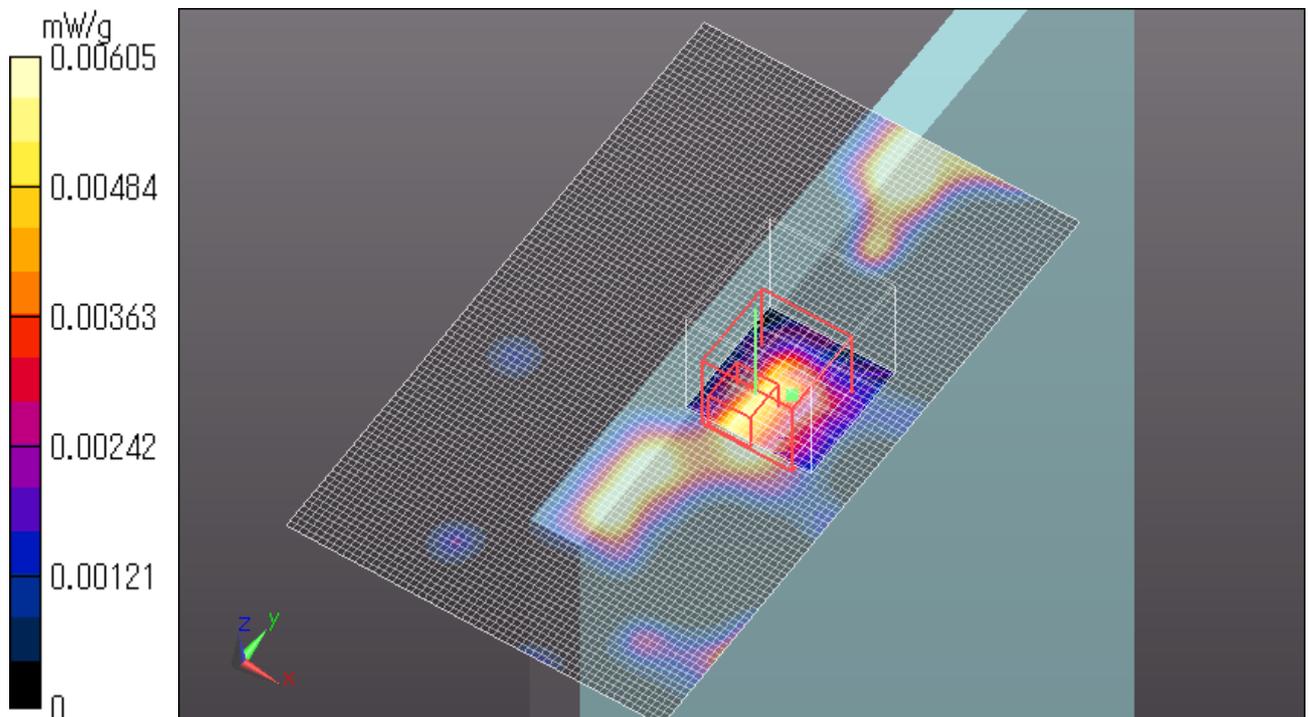
Peak SAR (extrapolated) = 0.008590

SAR(1 g) = 0.00408 mW/g; SAR(10 g) = 0.00184 mW/g

Maximum value of SAR (measured) = 0.00605 mW/g

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Fixed Long Edge WLAN 11b 1Mbps 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437 \text{ MHz}$; $\sigma = 1.947 \text{ mho/m}$; $\epsilon_r = 50.468$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS52, Version 52.8 (0);

Area Scan (61x141x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

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

Reference Value = 1.644 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.0730

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

Maximum value of SAR (measured) = 0.051 mW/g

Zoom Scan 2 (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 1.644 V/m; Power Drift = -0.18 dB

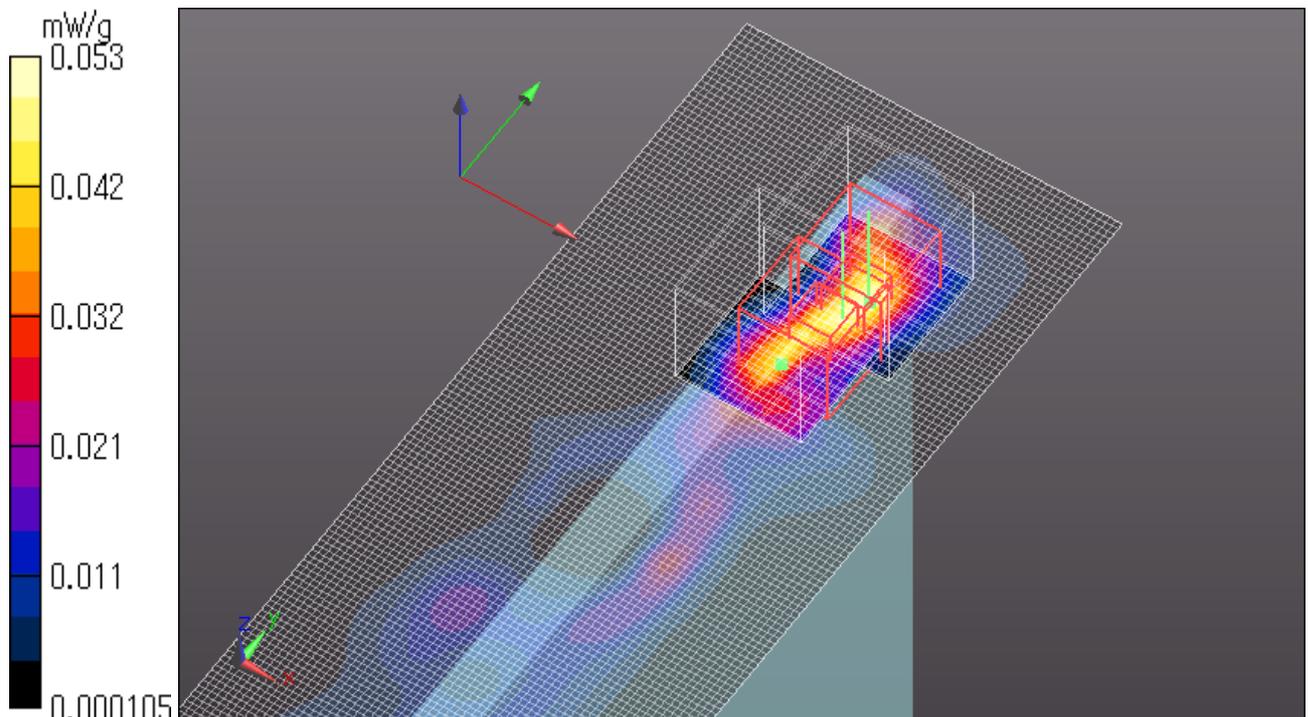
Peak SAR (extrapolated) = 0.0760

SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.013 mW/g

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

Date: 2012/08/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long edge WLAN 11n 20MHz BW MCS0 2437MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: WLAN 11b/g/n; Frequency: 2437 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 2437$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r = 50.468$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.23, 7.23, 7.23); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (61x141x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.154 mW/g

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

Reference Value = 1.729 V/m; Power Drift = 0.14 dB

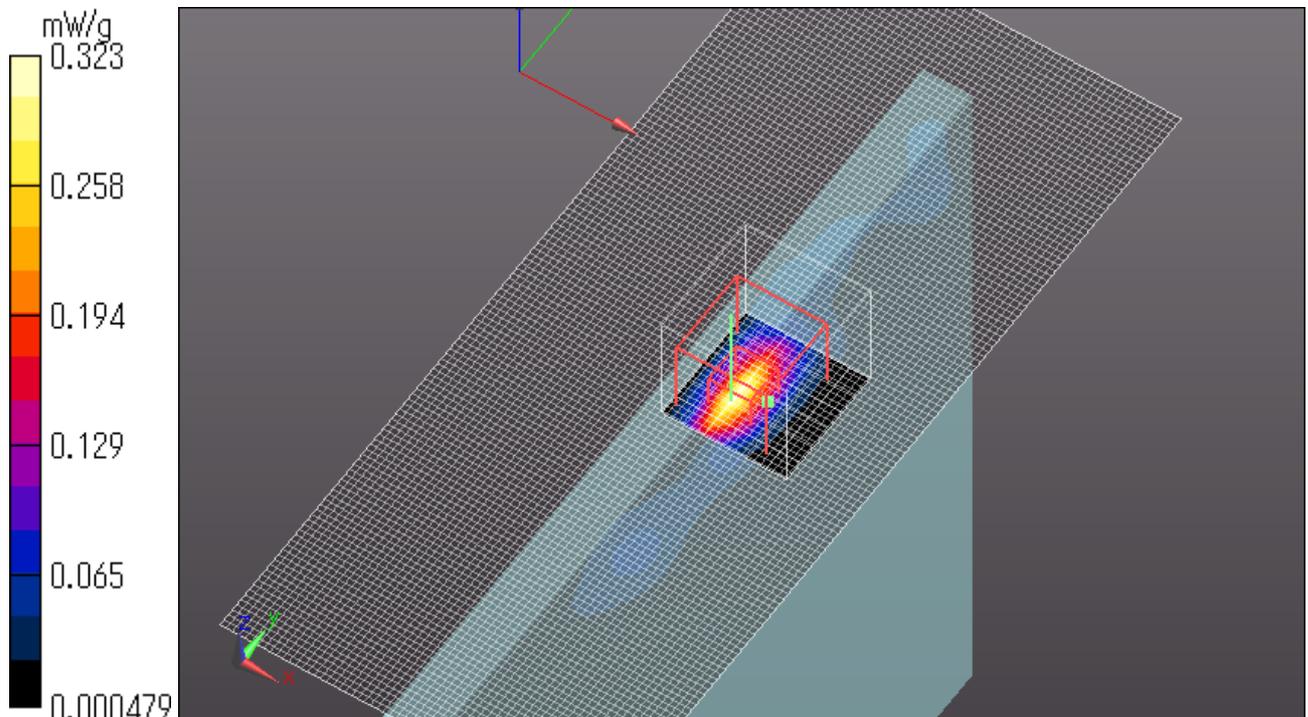
Peak SAR (extrapolated) = 0.5170

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (measured) = 0.323 mW/g

Date: 2012/08/20

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

ii) WLAN 5180MHz-5320MHz

Ant.1 Laptop Bottom WLAN 11a 6Mbps 5320MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.637$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (0);

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.130 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0320

SAR(1 g) = 0.00309 mW/g; SAR(10 g) = 0.000754 mW/g

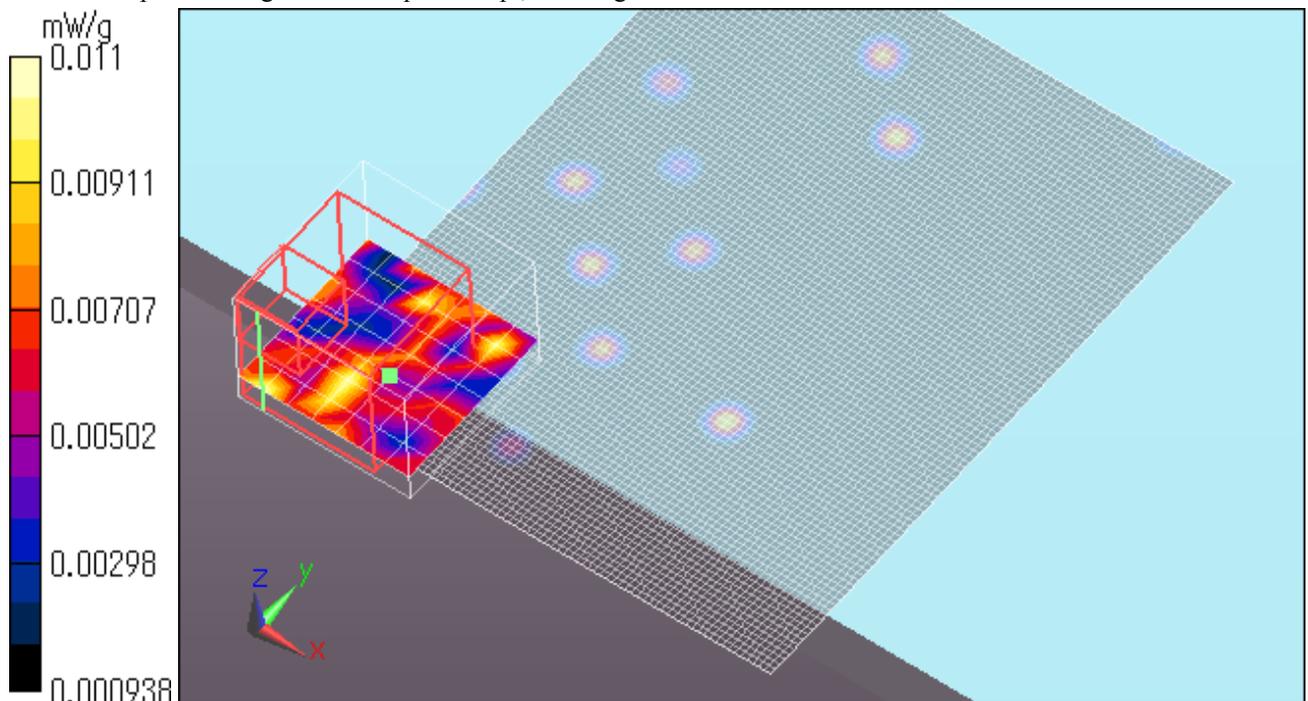
Maximum value of SAR (measured) = 0.011 mW/g

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.00969 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Rear WLAN 11a 6Mbps 5320MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.637$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (121x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.243 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.888 V/m; Power Drift = -0.15 dB

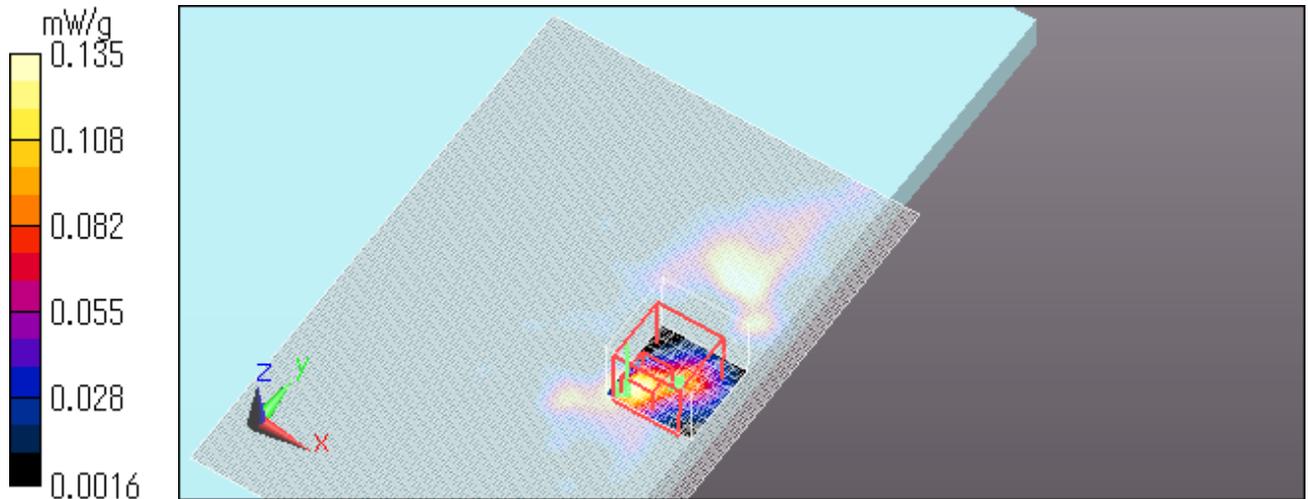
Peak SAR (extrapolated) = 0.3990

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.018 mW/g

Maximum value of SAR (measured) = 0.135 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5320MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.637$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.596 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.051 V/m; Power Drift = 0.20 dB

Peak SAR (extrapolated) = 2.2220

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.097 mW/g

Maximum value of SAR (measured) = 0.754 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.051 V/m; Power Drift = 0.20 dB

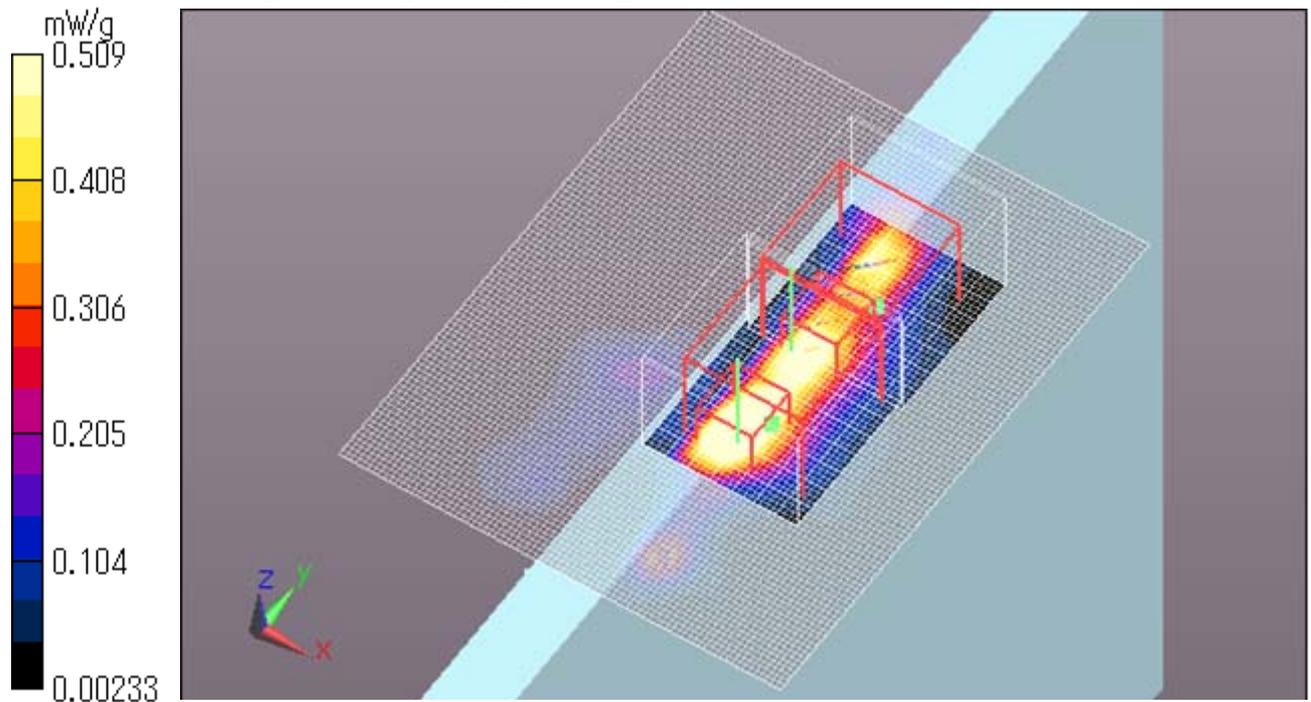
Peak SAR (extrapolated) = 1.4010

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.578 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Short Edge WLAN 11a 6Mbps 5320MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.637$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.135 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.0790

SAR(1 g) = 0.0098 mW/g; SAR(10 g) = 0.00335 mW/g

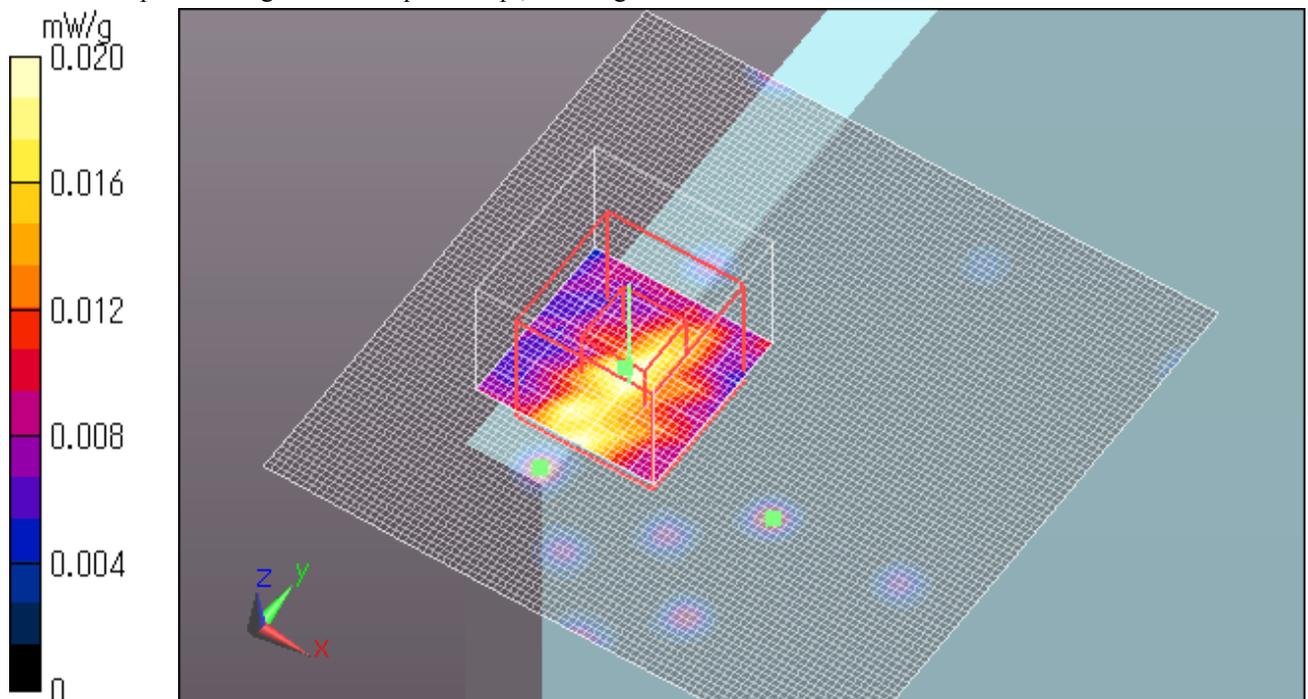
Maximum value of SAR (measured) = 0.021 mW/g

Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.020 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Laptop Bottom WLAN 11a 6Mbps 5200MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.474$ mho/m; $\epsilon_r = 46.895$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.45, 4.45, 4.45); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.106 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.394 V/m; Power Drift = 0.10 dB

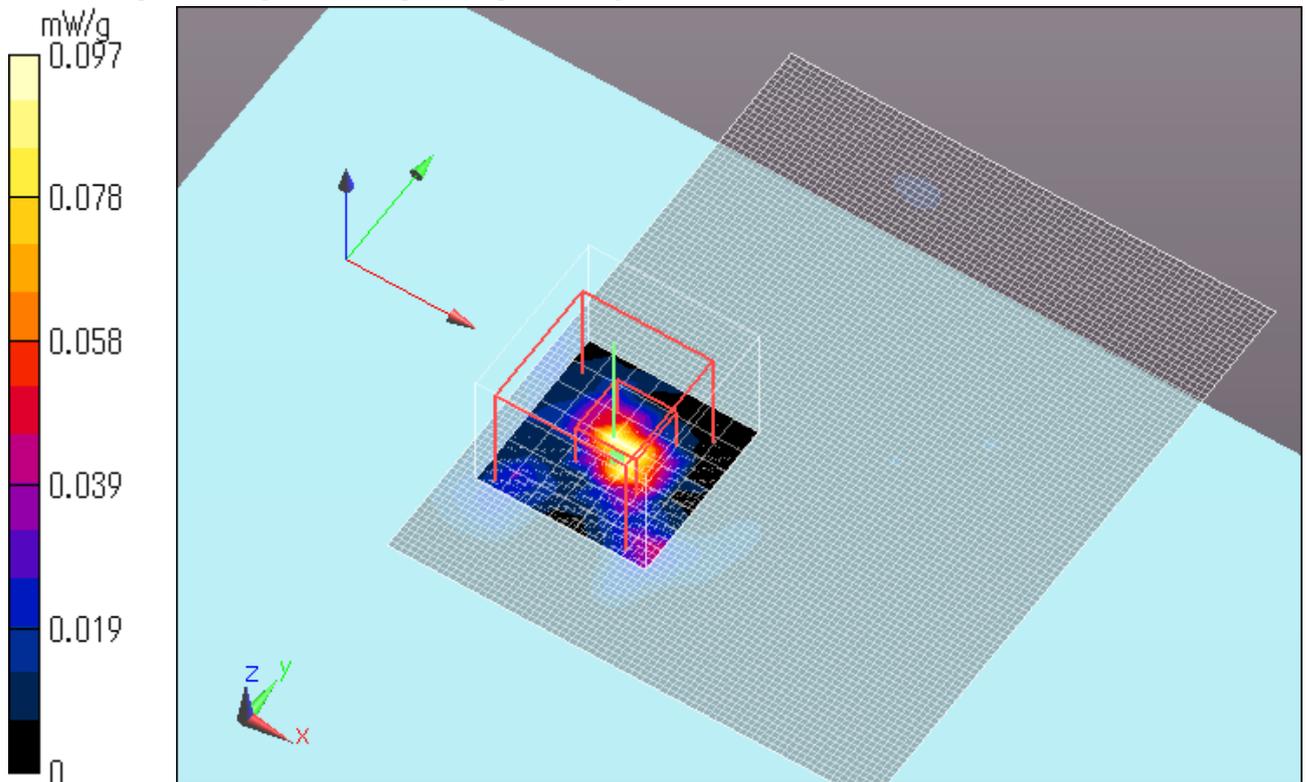
Peak SAR (extrapolated) = 0.3070

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.00699 mW/g

Maximum value of SAR (measured) = 0.097 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Rear WLAN 11a 6Mbps 5200MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.474$ mho/m; $\epsilon_r = 46.895$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.45, 4.45, 4.45); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 2 (61x61x1): Measurement grid: dx=10mm, dy=10mm

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

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.935 V/m; Power Drift = -0.19 dB

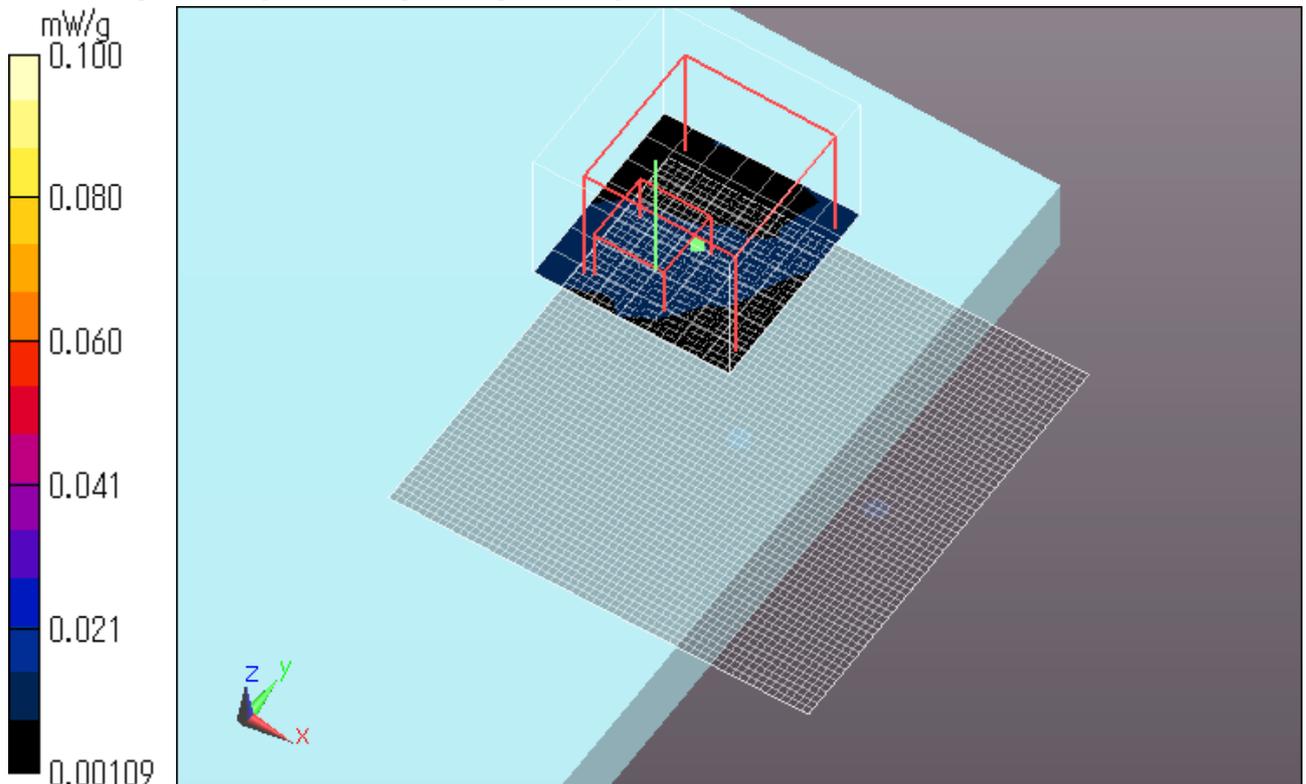
Peak SAR (extrapolated) = 0.0520

SAR(1 g) = 0.00666 mW/g; SAR(10 g) = 0.00216 mW/g

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

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5200MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.474$ mho/m; $\epsilon_r = 46.895$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.45, 4.45, 4.45); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.444 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.502 V/m; Power Drift = -0.13 dB

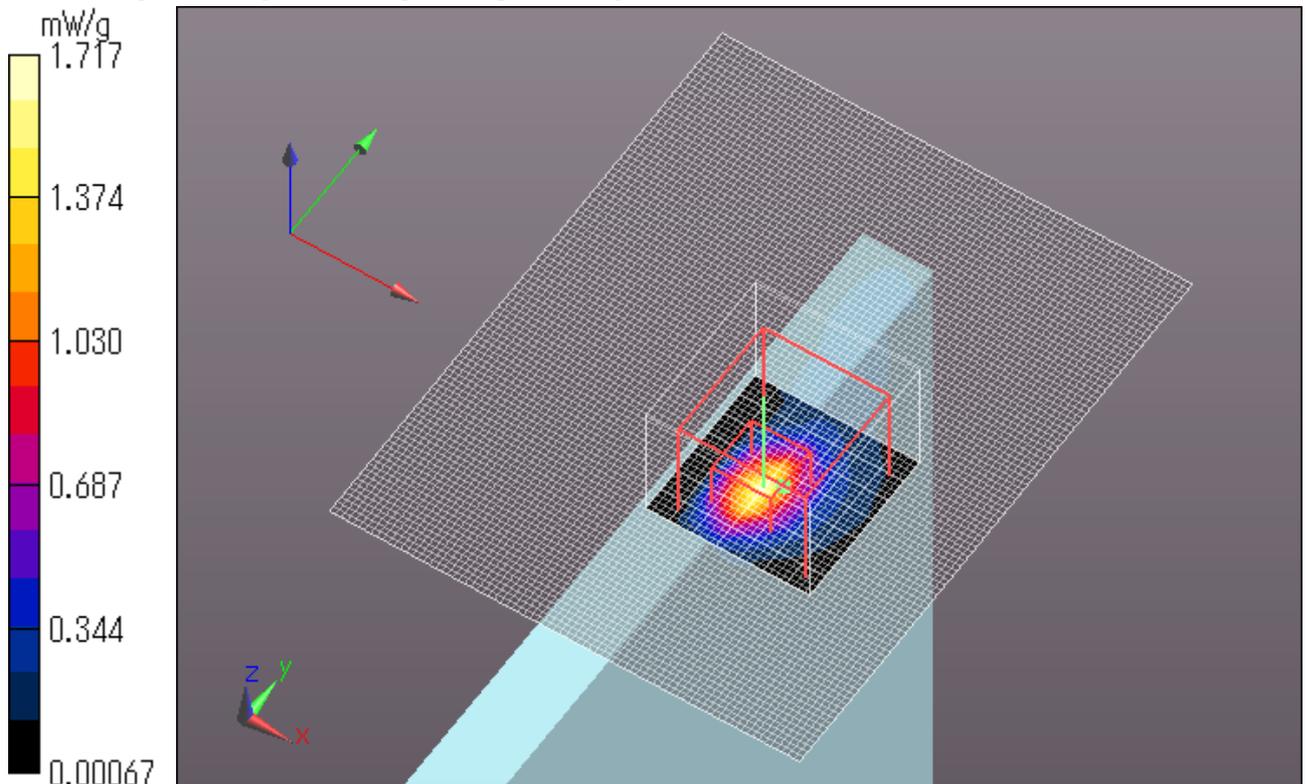
Peak SAR (extrapolated) = 3.6220

SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 1.717 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Short Edge WLAN 11a 6Mbps 5200MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5200$ MHz; $\sigma = 5.474$ mho/m; $\epsilon_r = 46.895$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.45, 4.45, 4.45); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.091 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.900 V/m; Power Drift = 0.12 dB

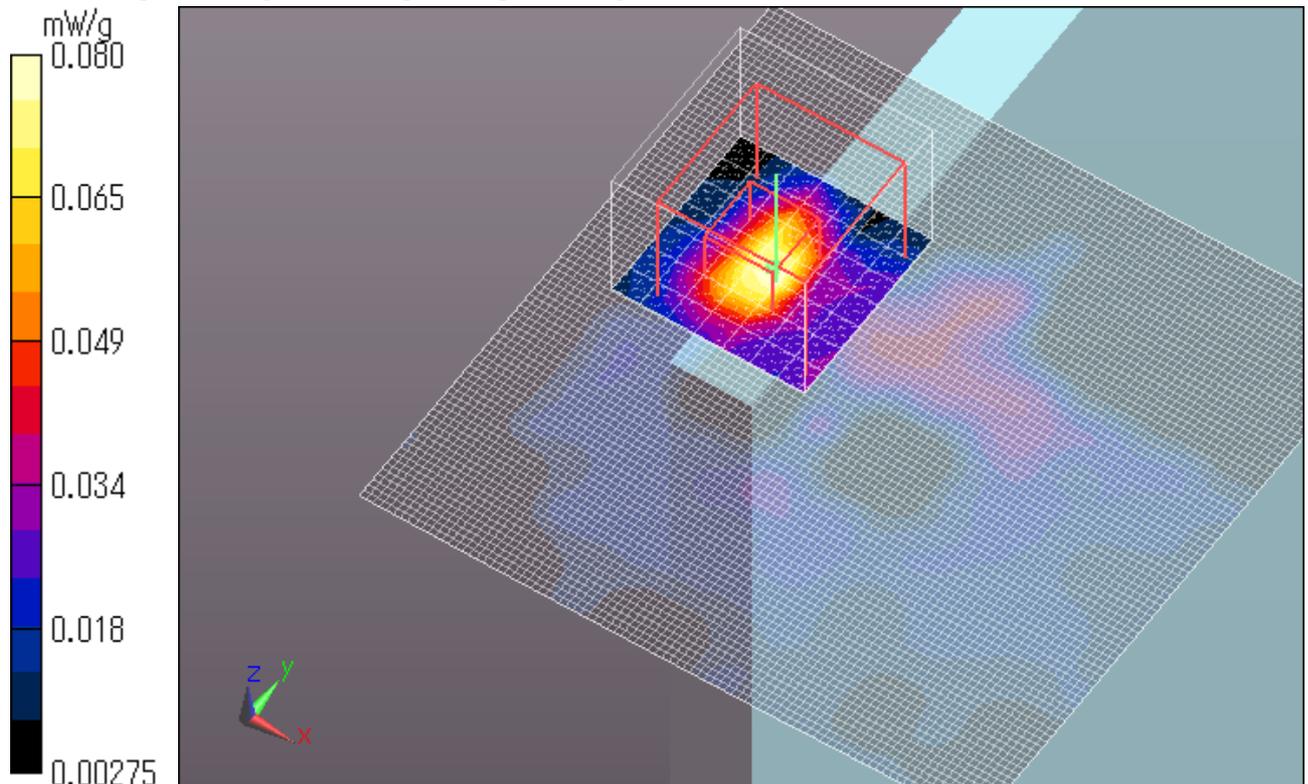
Peak SAR (extrapolated) = 0.3610

SAR(1 g) = 0.037 mW/g; SAR(10 g) = 0.010 mW/g

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

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5240MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5240$ MHz; $\sigma = 5.532$ mho/m; $\epsilon_r = 46.789$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.45, 4.45, 4.45); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.795 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.532 V/m; Power Drift = 0.10 dB

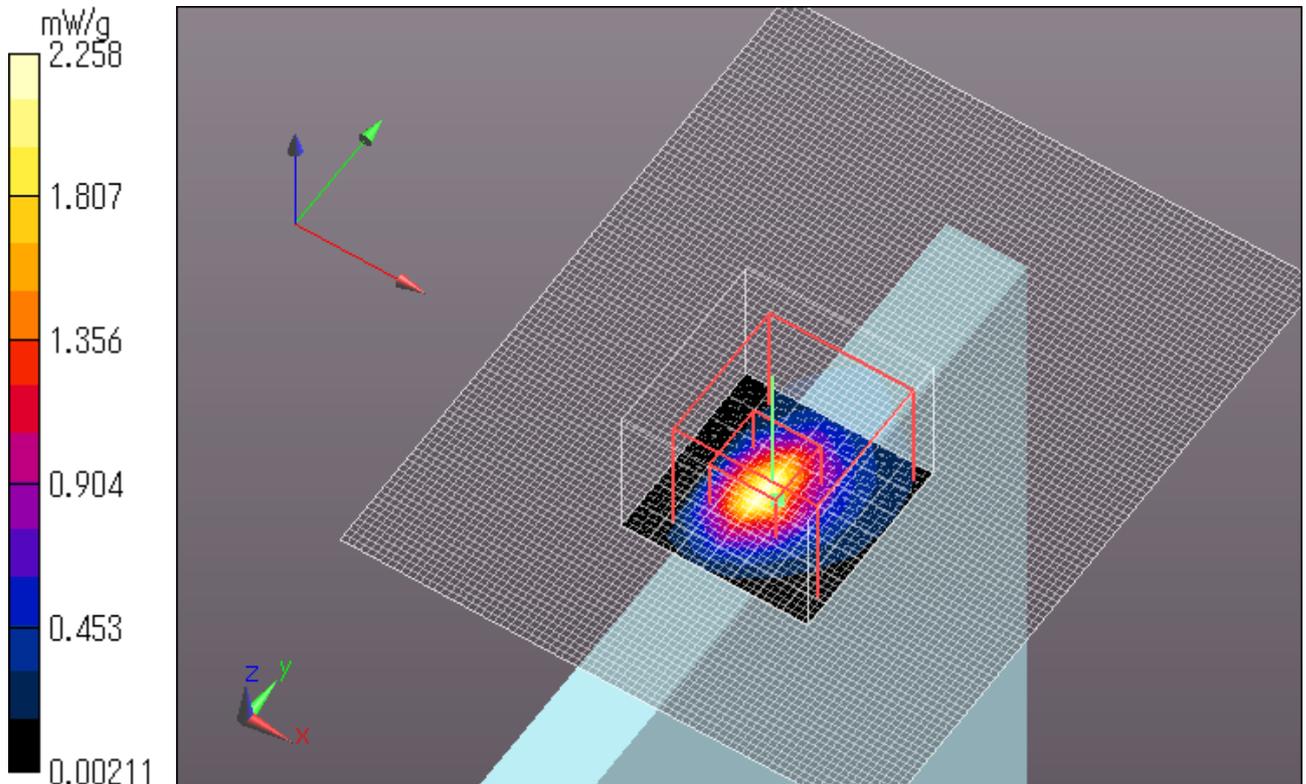
Peak SAR (extrapolated) = 5.2150

SAR(1 g) = 0.960 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 2.258 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5260MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5260 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5260$ MHz; $\sigma = 5.558$ mho/m; $\epsilon_r = 46.754$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.536 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.363 V/m; Power Drift = 0.18 dB

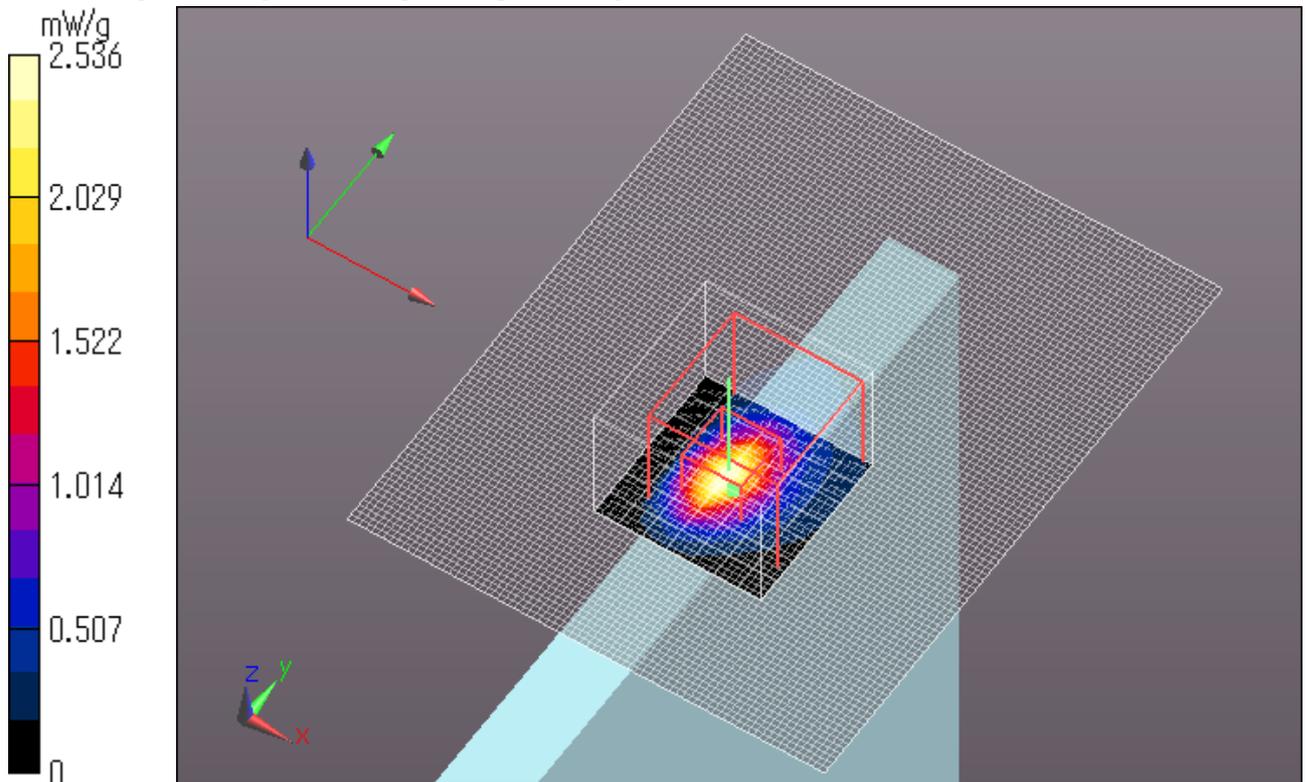
Peak SAR (extrapolated) = 5.9540

SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.257 mW/g

Maximum value of SAR (measured) = 2.775 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5320MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5320 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.637$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 2.466 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.017 V/m Power Drift = -0.13 dB

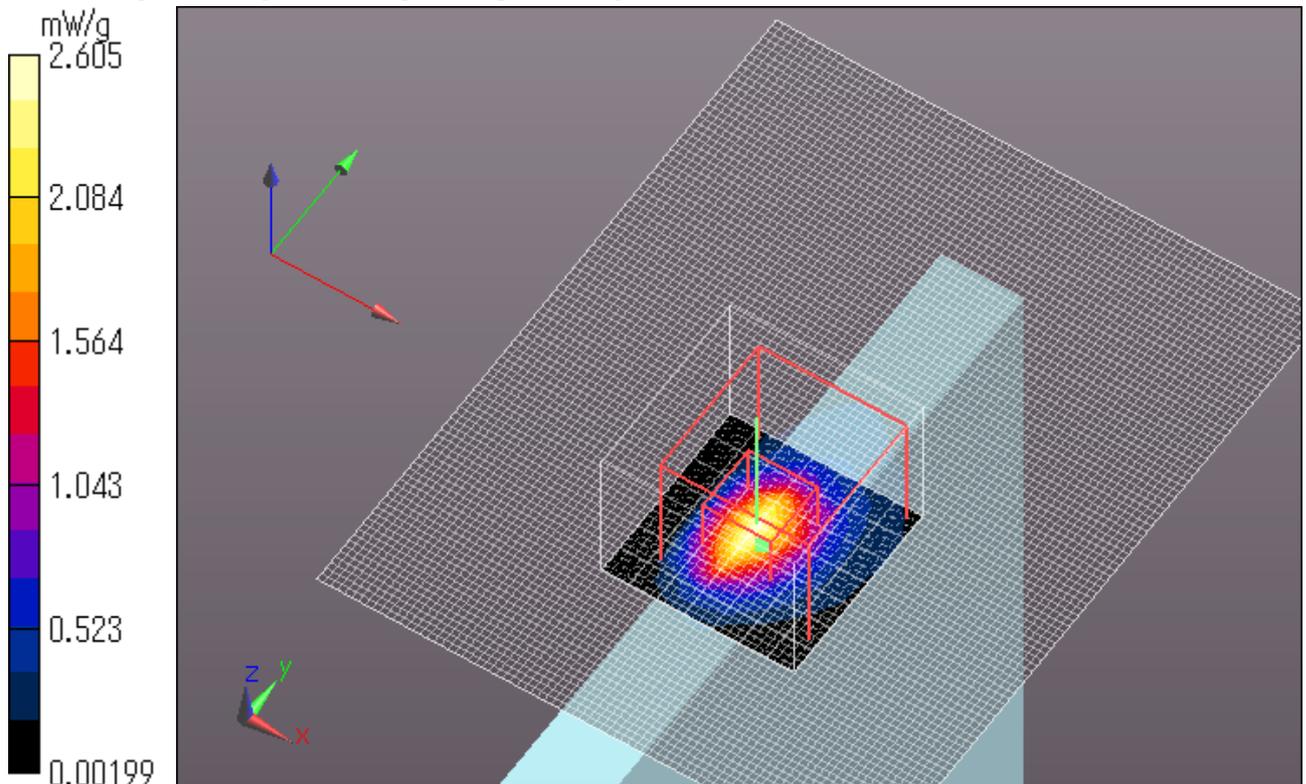
Peak SAR (extrapolated) = 5.9520

SAR(1 g) = 1.16 mW/g; SAR(10 g) = 0.262 mW/g

Maximum value of SAR (measured) = 2.605 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Z Scan at Maximum BODY SAR position in WLAN 5180MHz - 5320MHz

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5320MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5320$ MHz; $\sigma = 5.637$ mho/m; $\epsilon_r = 46.584$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

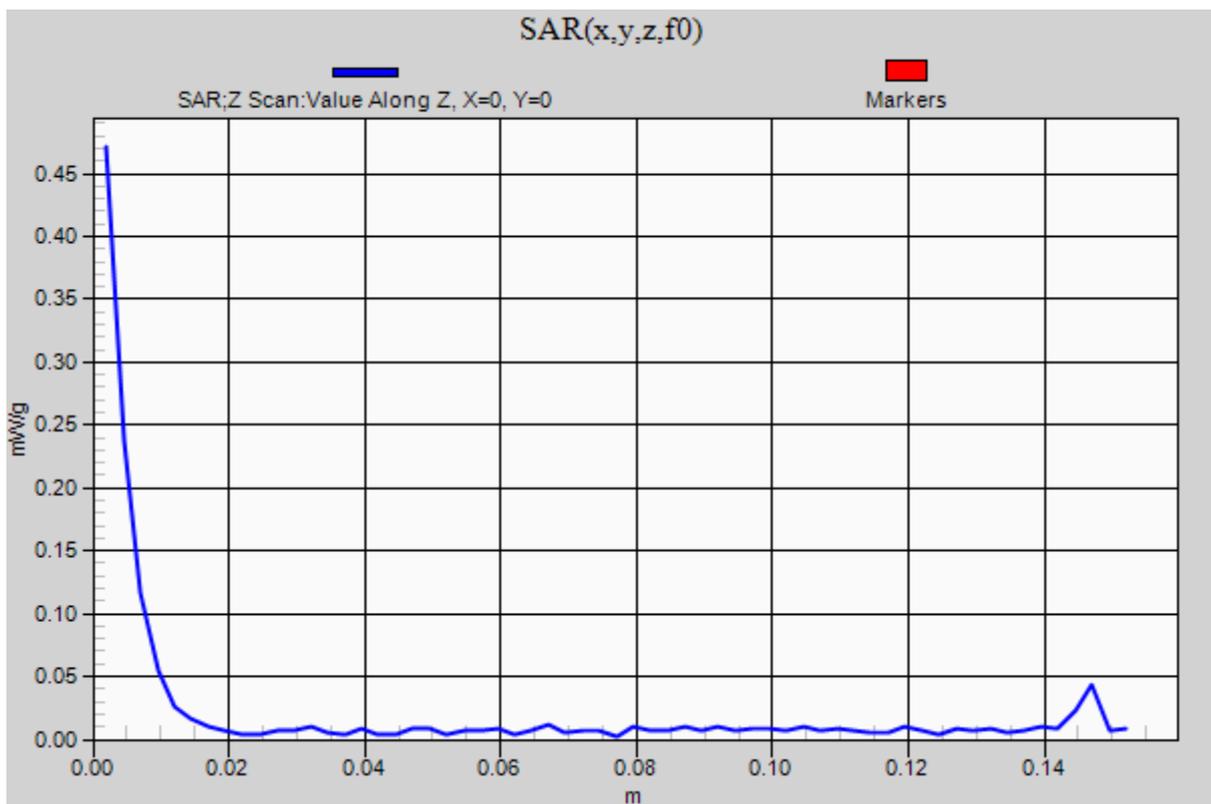
Measurement SW: DASYS2, Version 52.8 (0);

Z Scan (1x1x61): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Maximum value of SAR (measured) = 0.471 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS8 5300MHz

Communication System: WLAN 11a/n; Communication System Band: WLAN 11a/n Low band; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5300$ MHz; $\sigma = 5.611$ mho/m; $\epsilon_r = 46.649$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.22, 4.22, 4.22); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (81x181x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.995 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.941 V/m; Power Drift = -0.12 dB

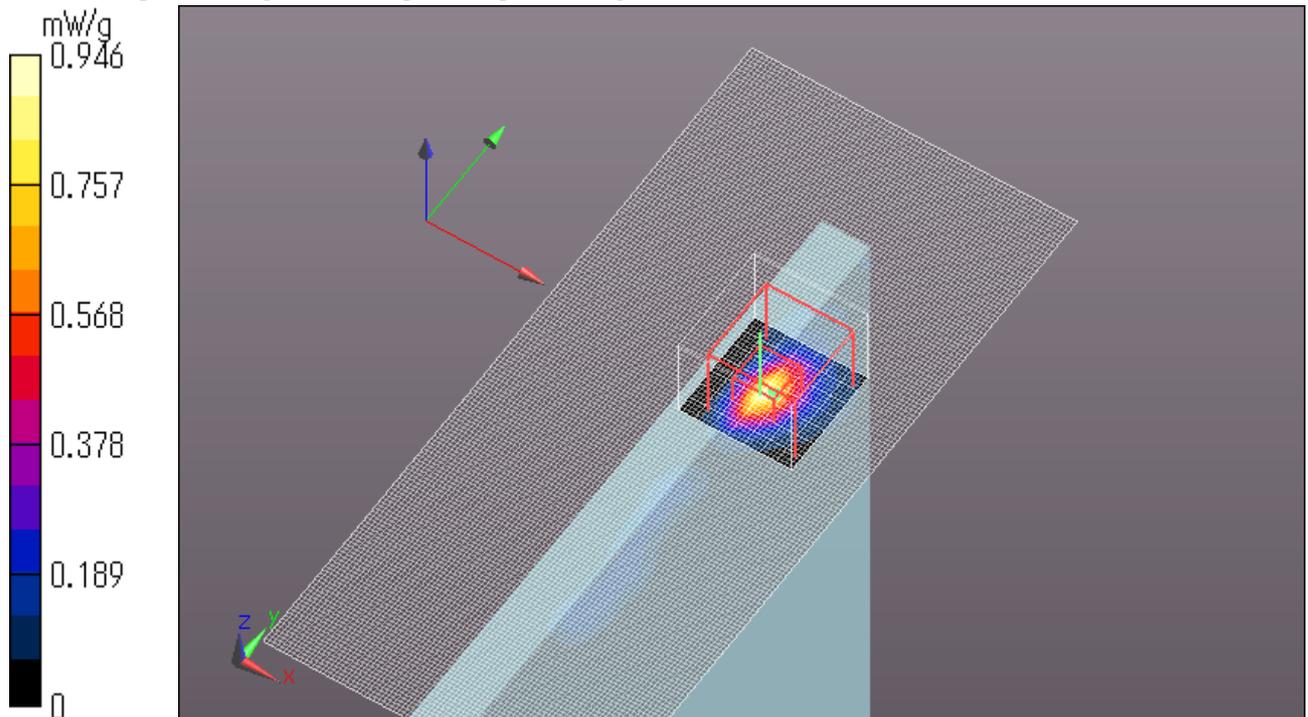
Peak SAR (extrapolated) = 1.9050

SAR(1 g) = 0.394 mW/g; SAR(10 g) = 0.094 mW/g

Maximum value of SAR (measured) = 0.946 mW/g

Date: 2012/08/08

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

iii) WLAN 5500MHz-5700MHz

Ant.1 Laptop Bottom WLAN 11a 6Mbps 5540MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5540 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5540$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 2 (121x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.025 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.244 V/m; Power Drift = 0.17 dB

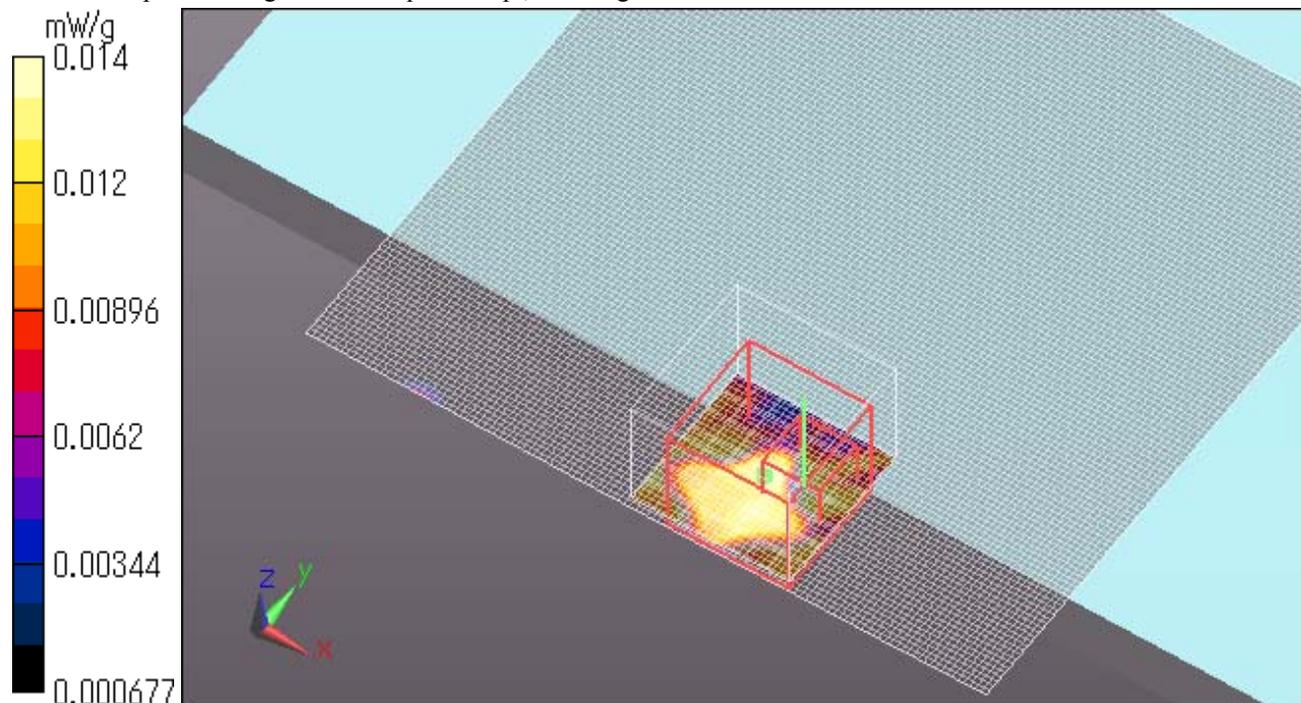
Peak SAR (extrapolated) = 0.0660

SAR(1 g) = 0.00586 mW/g; SAR(10 g) = 0.00237 mW/g

Maximum value of SAR (measured) = 0.014 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Rear WLAN 11a 6Mbps 5540MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5540 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5540$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 2 (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.152 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.112 V/m; Power Drift = -0.12 dB

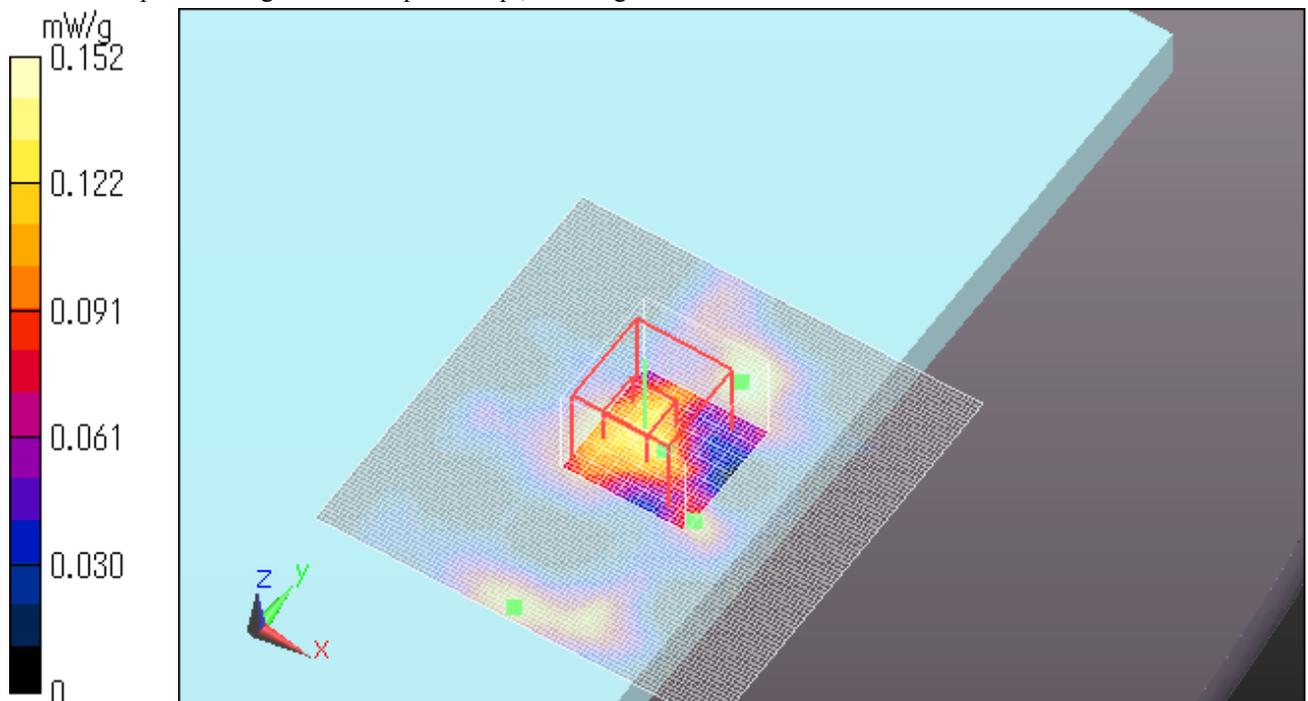
Peak SAR (extrapolated) = 0.4440

SAR(1 g) = 0.063 mW/g; SAR(10 g) = 0.023 mW/g

Maximum value of SAR (measured) = 0.133 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5540MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5540 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5540$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (0);

Area Scan 2 3 (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.942 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.26 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 5.5820

SAR(1 g) = 0.894 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 2.011 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.260 V/m; Power Drift = -0.17 dB

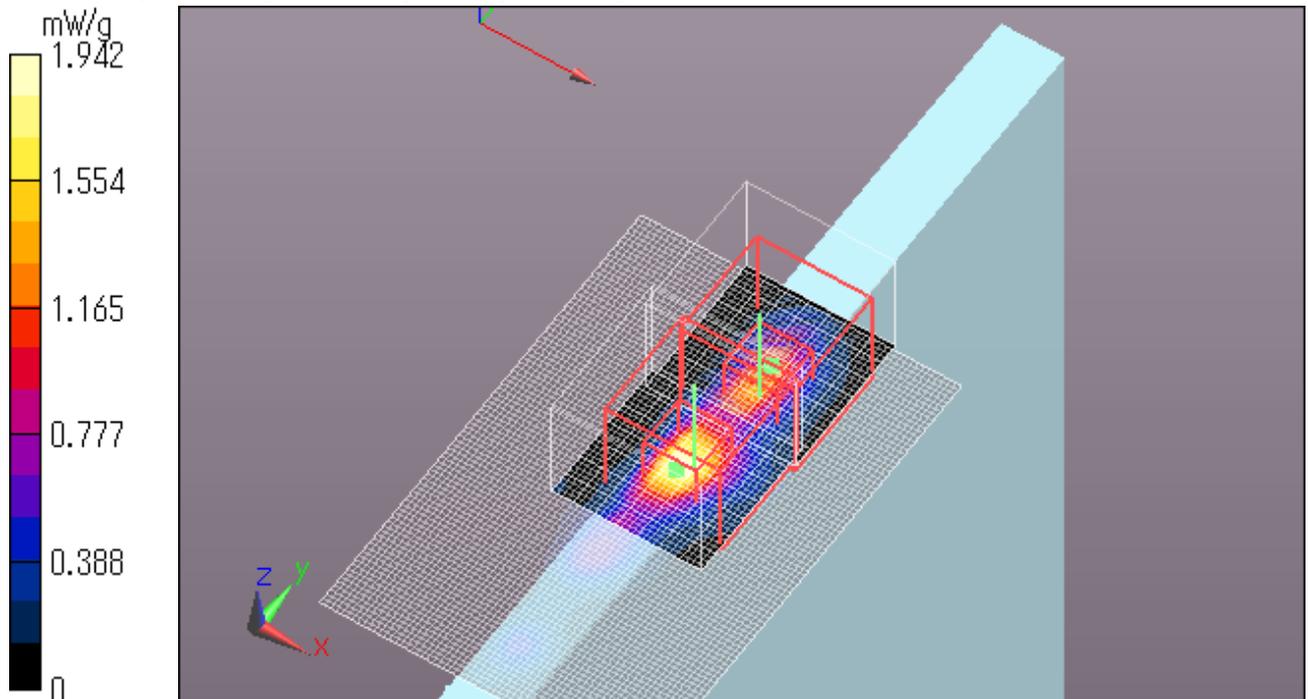
Peak SAR (extrapolated) = 2.4490

SAR(1 g) = 0.561 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 1.349 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Z Scan at Maximum BODY SAR position in WLAN 5500MHz - 5700MHz

Ant.1Long Edge WLAN 11a 6Mbps 5540MHz Z axis

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5540 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5540$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

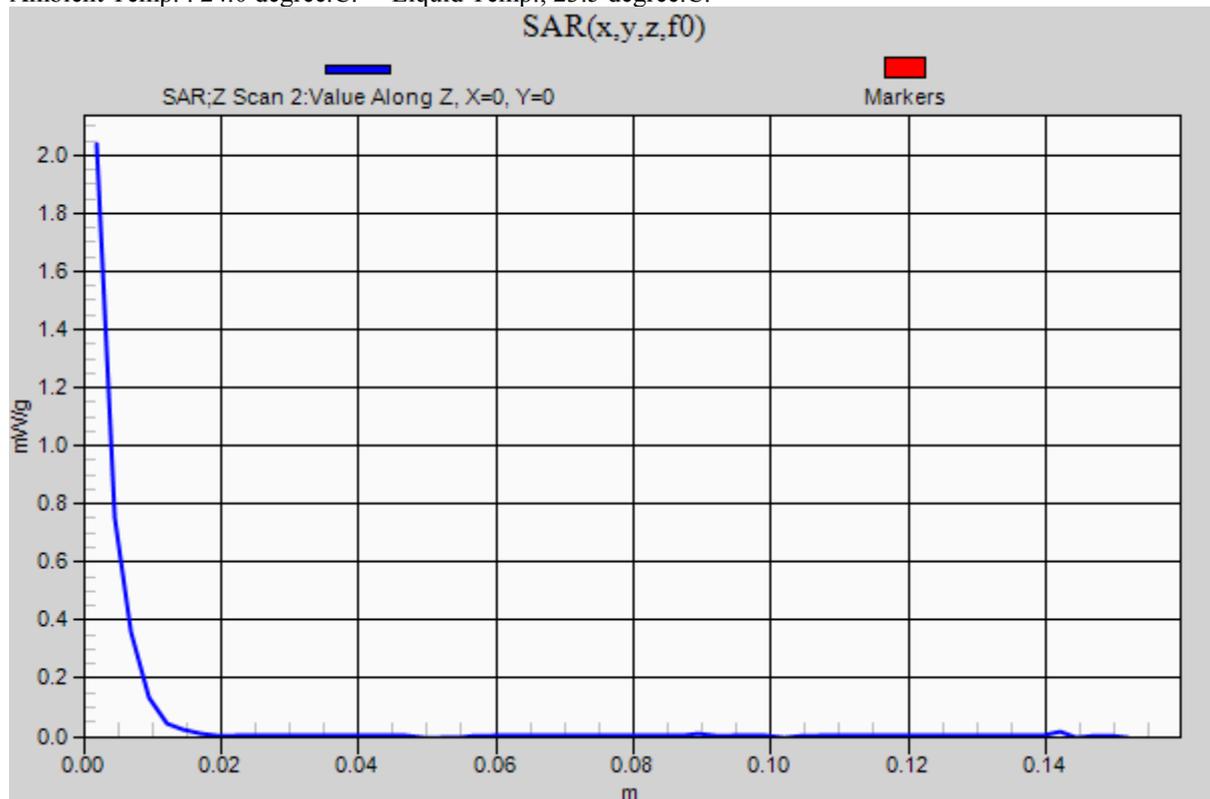
Measurement SW: DASYS2, Version 52.8 (0);

Z Scan 2 (1x1x61): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm

Maximum value of SAR (measured) = 2.038 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Short Edge WLAN 11a 6Mbps 5540MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5540 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5540$ MHz; $\sigma = 5.82$ mho/m; $\epsilon_r = 46.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

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

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = -1.077 V/m; Power Drift = -0.18 dB

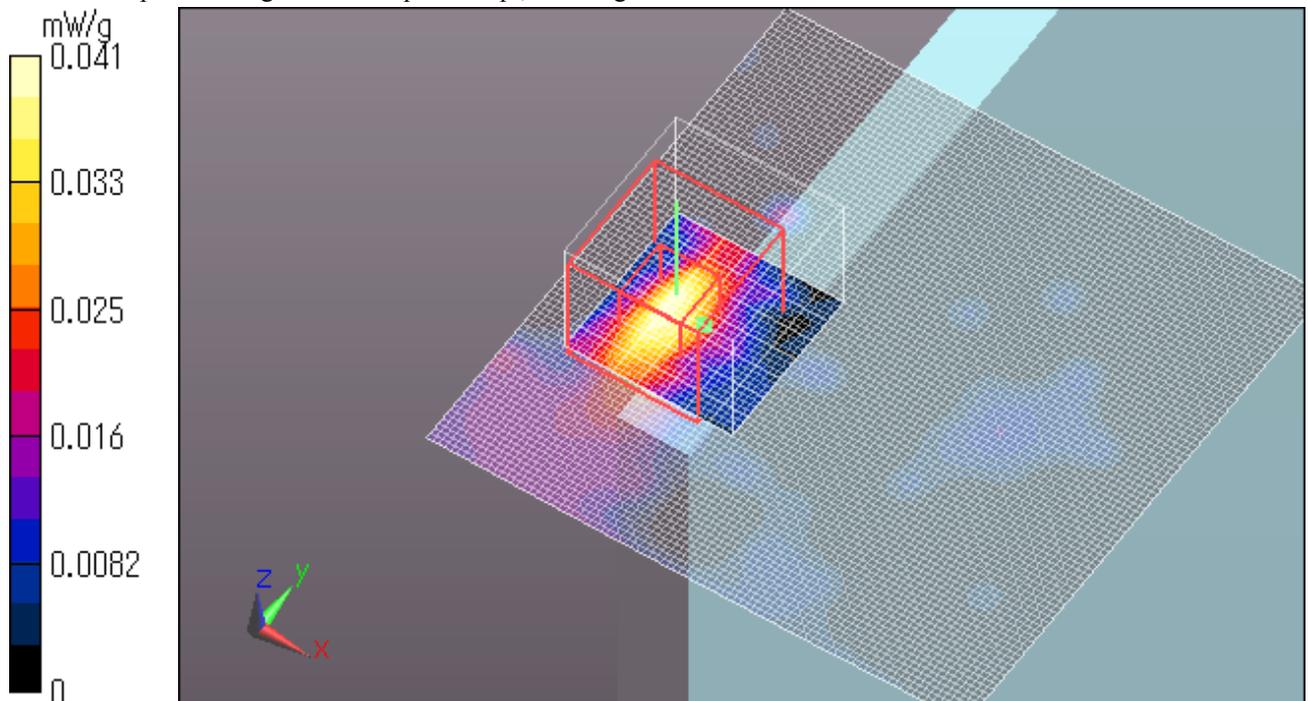
Peak SAR (extrapolated) = 0.2350

SAR(1 g) = 0.019 mW/g; SAR(10 g) = 0.00498 mW/g

Maximum value of SAR (measured) = 0.042 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5580MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5580$ MHz; $\sigma = 5.876$ mho/m; $\epsilon_r = 46.434$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 3 (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.771 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.068 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 4.7220

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.192 mW/g

Maximum value of SAR (measured) = 1.907 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.068 V/m; Power Drift = -0.16 dB

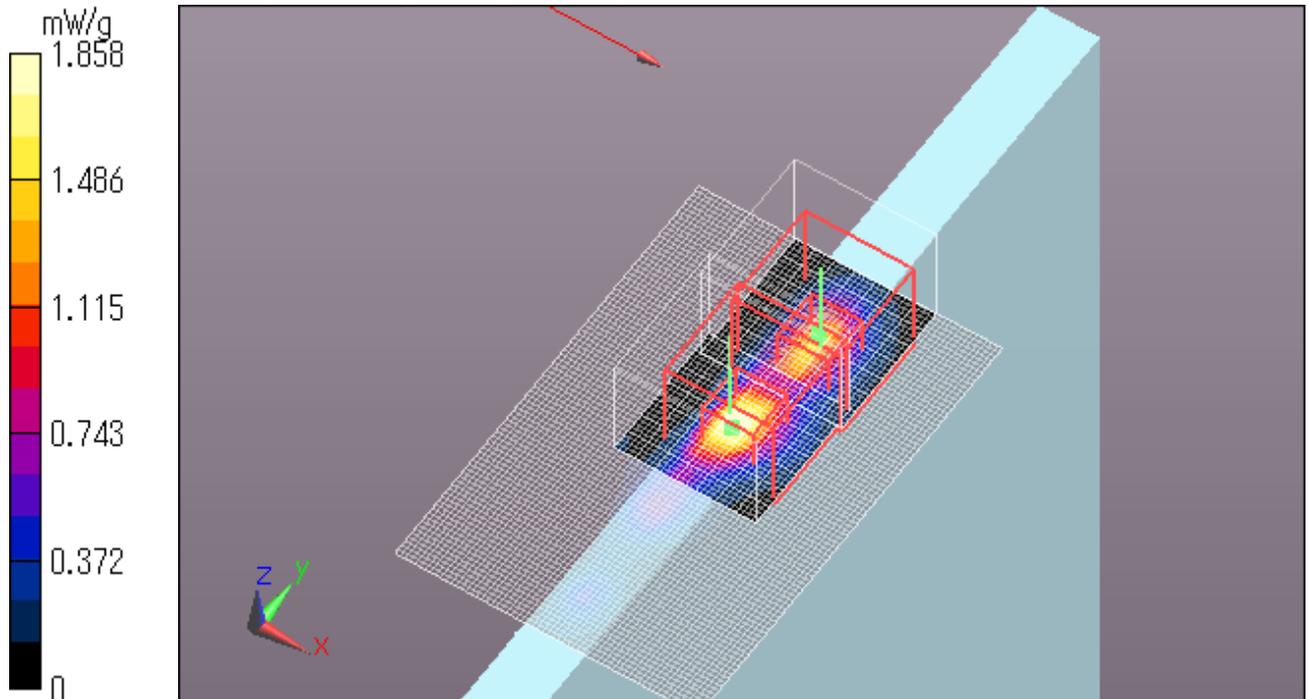
Peak SAR (extrapolated) = 7.2250

SAR(1 g) = 0.708 mW/g; SAR(10 g) = 0.154 mW/g

Maximum value of SAR (measured) = 1.858 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5640MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5640 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5640$ MHz; $\sigma = 5.951$ mho/m; $\epsilon_r = 46.285$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 3 (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.797 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.231 V/m; Power Drift = -0.20 dB

Peak SAR (extrapolated) = 5.5640

SAR(1 g) = 0.887 mW/g; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 1.964 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.231 V/m; Power Drift = -0.20 dB

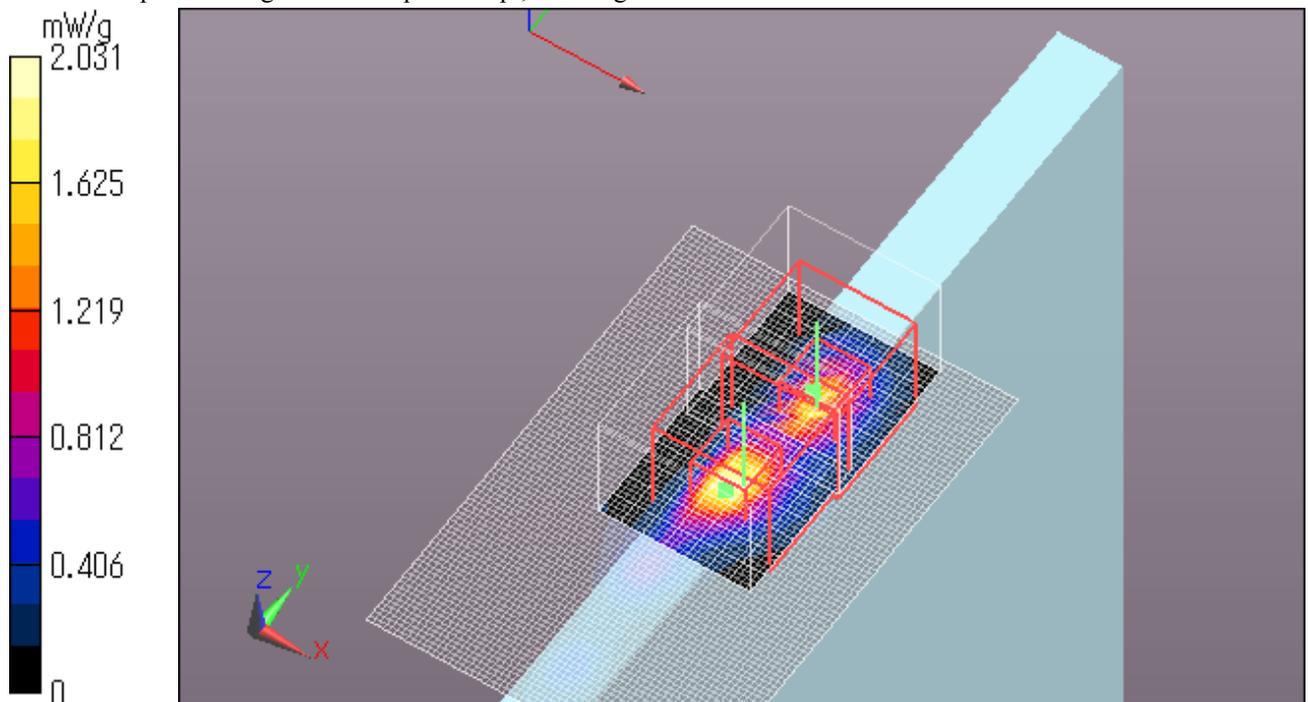
Peak SAR (extrapolated) = 5.2800

SAR(1 g) = 0.769 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR (measured) = 2.031 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5660MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5660 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5660$ MHz; $\sigma = 5.981$ mho/m; $\epsilon_r = 46.252$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 3 (61x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.761 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.059 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 4.5890

SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 1.832 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 1.059 V/m; Power Drift = 0.15 dB

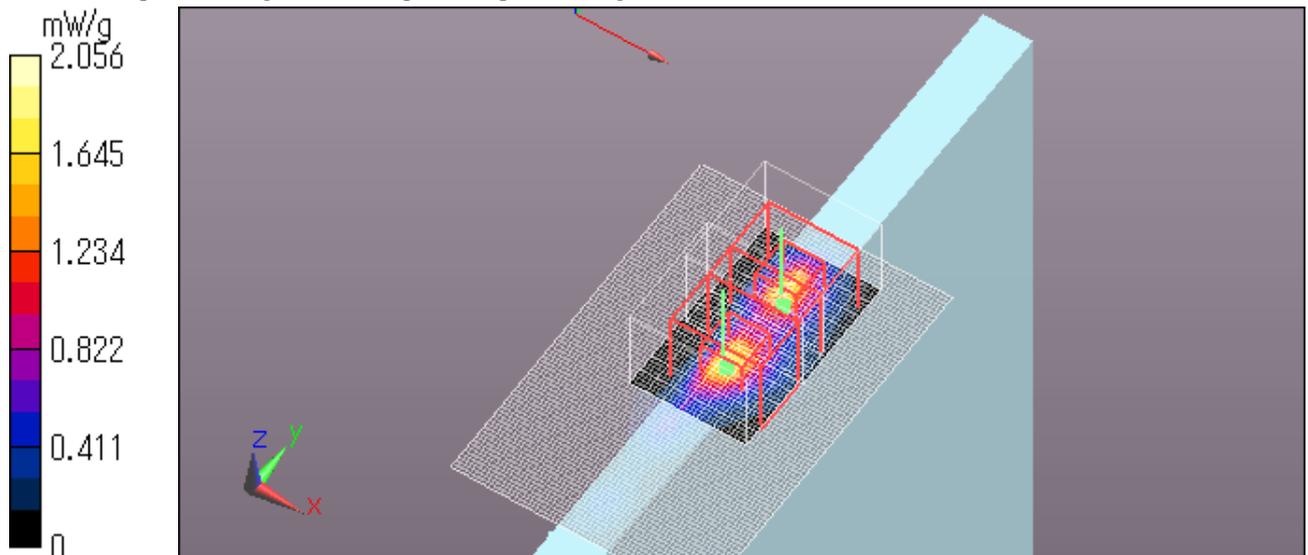
Peak SAR (extrapolated) = 4.9170

SAR(1 g) = 0.801 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 2.056 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Laptop Bottom WLAN 11a 6Mbps 5680MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 6.009$ mho/m; $\epsilon_r = 46.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 2 (121x121x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.158 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.8108 V/m; Power Drift = 0.14 dB

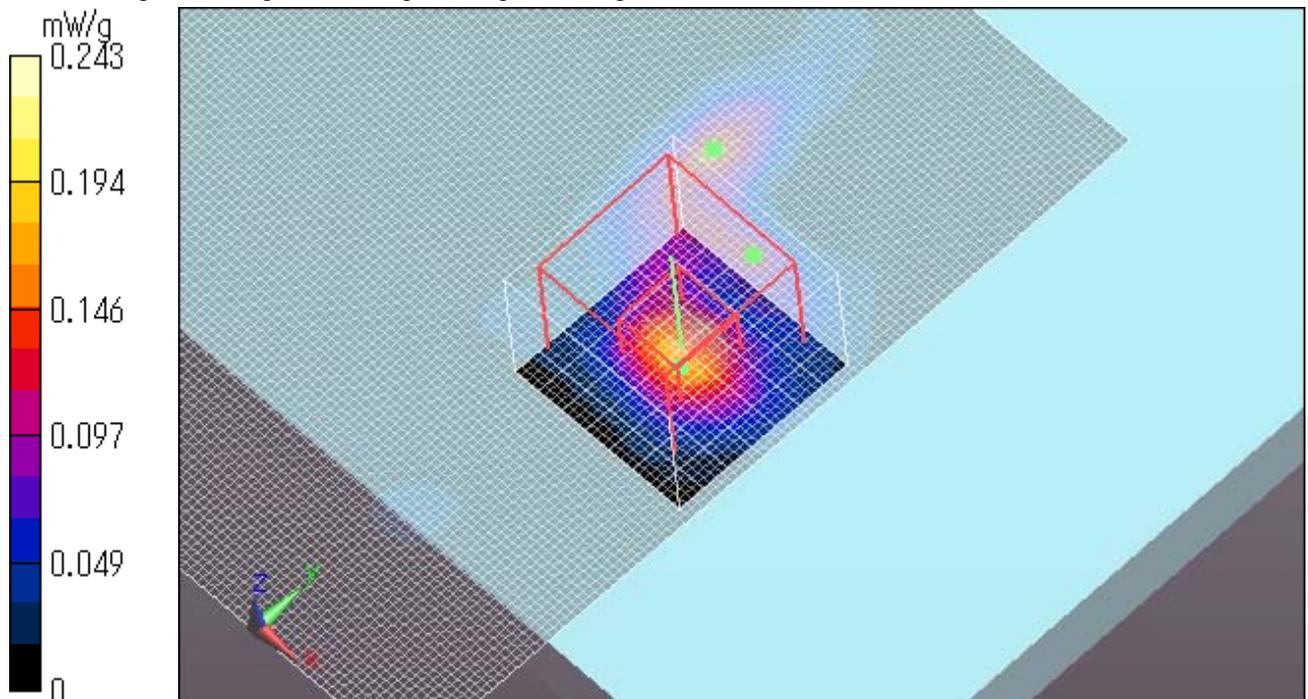
Peak SAR (extrapolated) = 0.4540

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.243 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Rear WLAN 11a 6Mbps 5680MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 6.009$ mho/m; $\epsilon_r = 46.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 3 (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.020 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.811 V/m; Power Drift = 0.19 dB

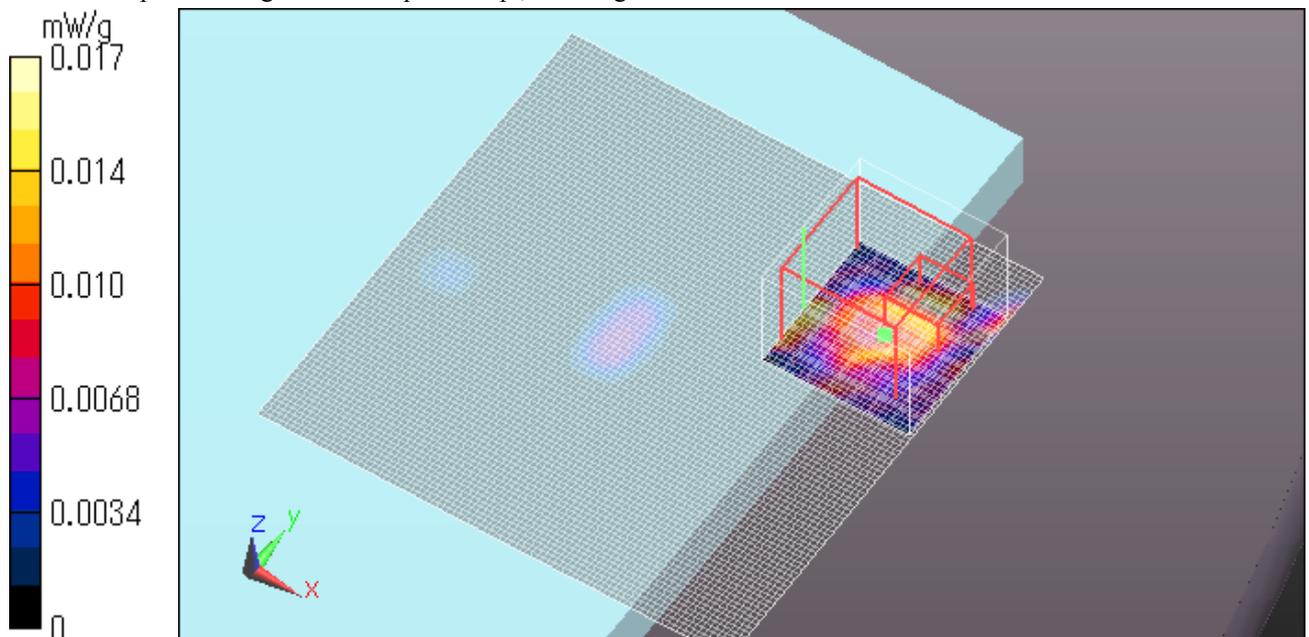
Peak SAR (extrapolated) = 0.0830

SAR(1 g) = 0.00591 mW/g; SAR(10 g) = 0.00176 mW/g

Maximum value of SAR (measured) = 0.017 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5680MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5680 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 6.009$ mho/m; $\epsilon_r = 46.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (81x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.028 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.759 V/m; Power Drift = -0.12 dB

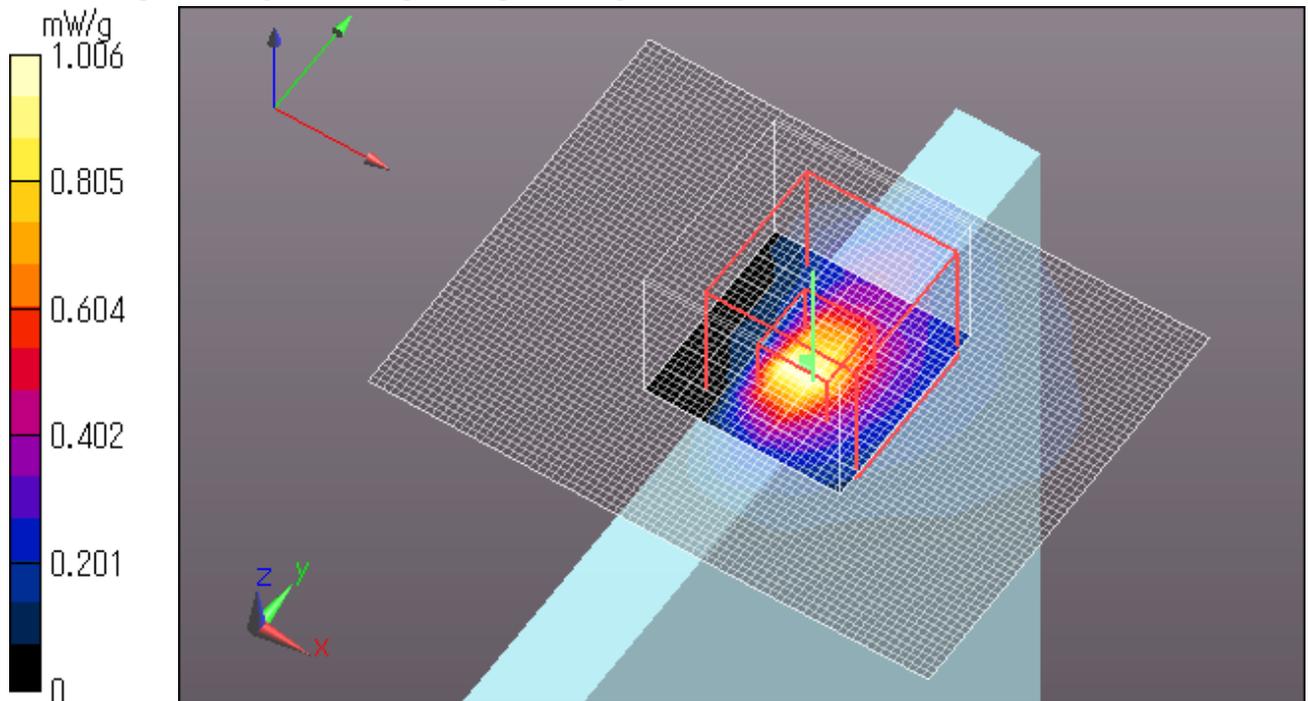
Peak SAR (extrapolated) = 2.6690

SAR(1 g) = 0.454 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 1.006 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Short Edge WLAN 11a 6Mbps 5680MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5680 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5680$ MHz; $\sigma = 6.009$ mho/m; $\epsilon_r = 46.198$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (91x91x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.206 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.111 V/m; Power Drift = -0.17 dB

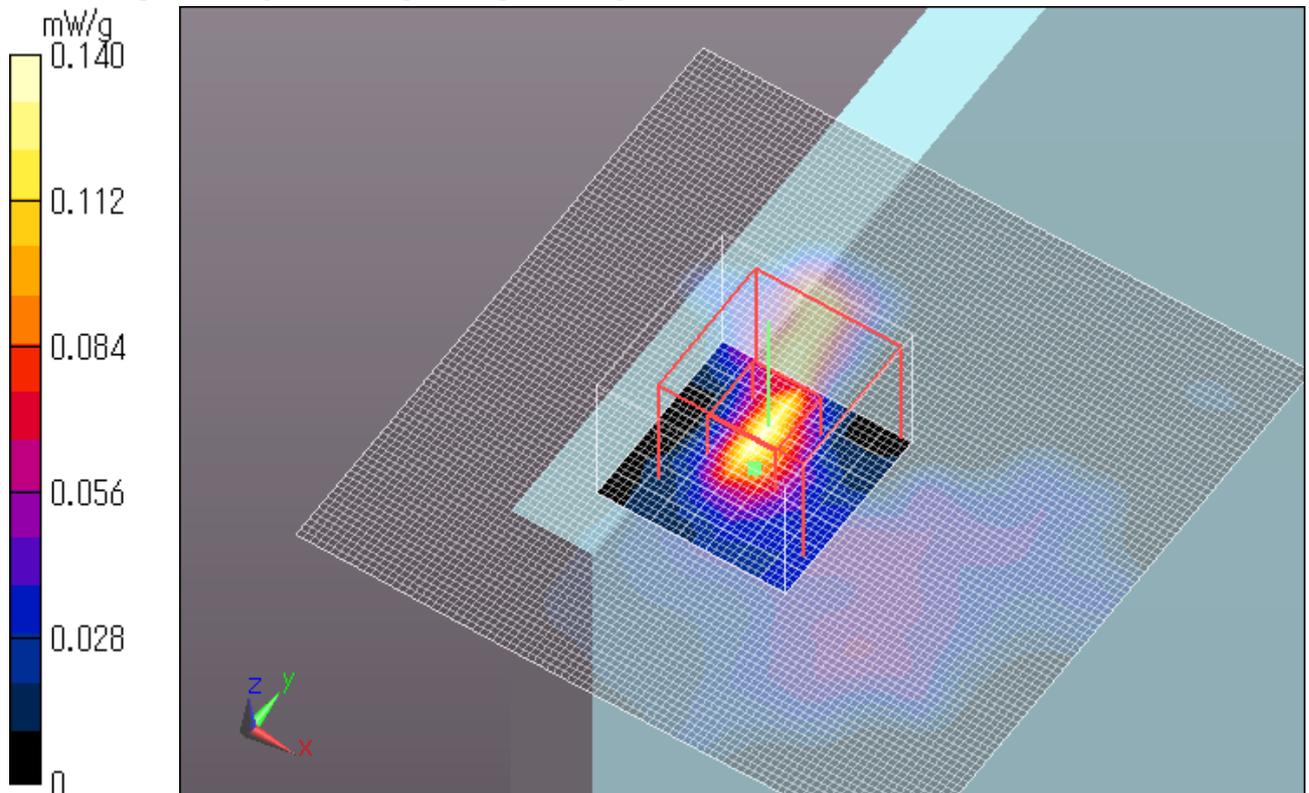
Peak SAR (extrapolated) = 0.3590

SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.140 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5500MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.762$ mho/m; $\epsilon_r = 46.603$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (81x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.019 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.471 V/m; Power Drift = -0.17 dB

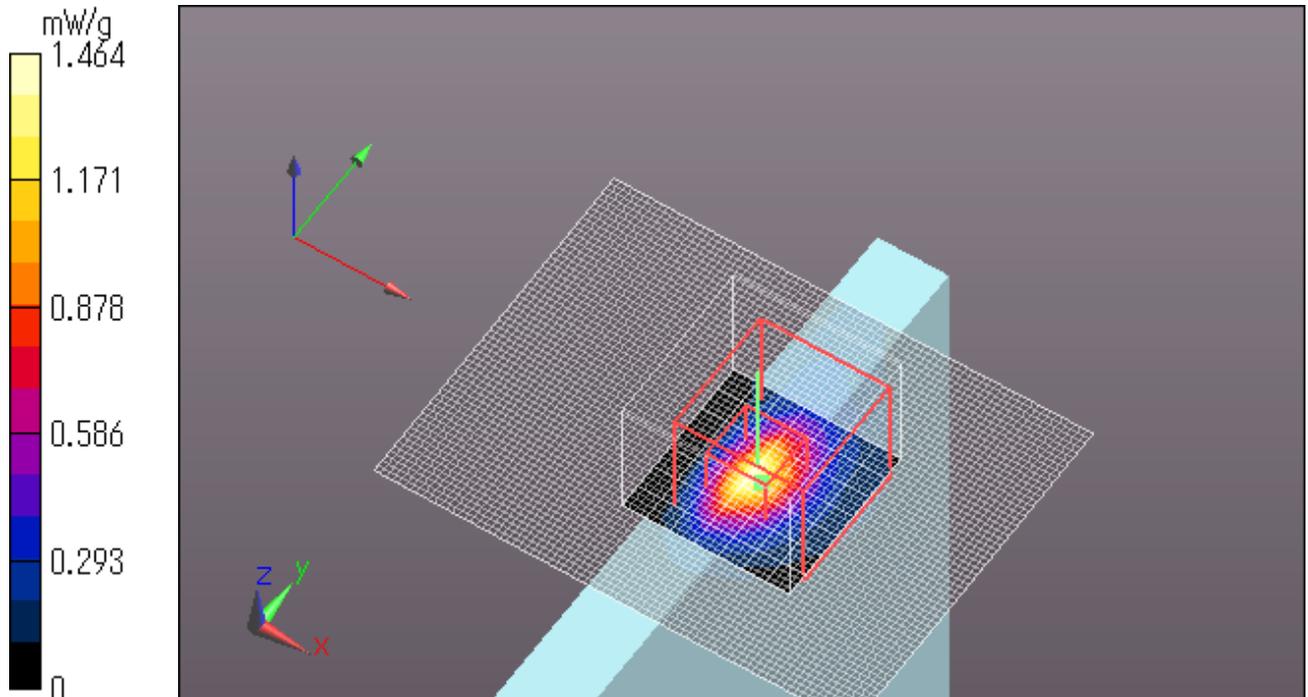
Peak SAR (extrapolated) = 3.1540

SAR(1 g) = 0.620 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 1.464 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5560MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5560 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5560$ MHz; $\sigma = 5.847$ mho/m; $\epsilon_r = 46.461$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (81x61x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.872 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 7.312 V/m; Power Drift = -0.10 dB

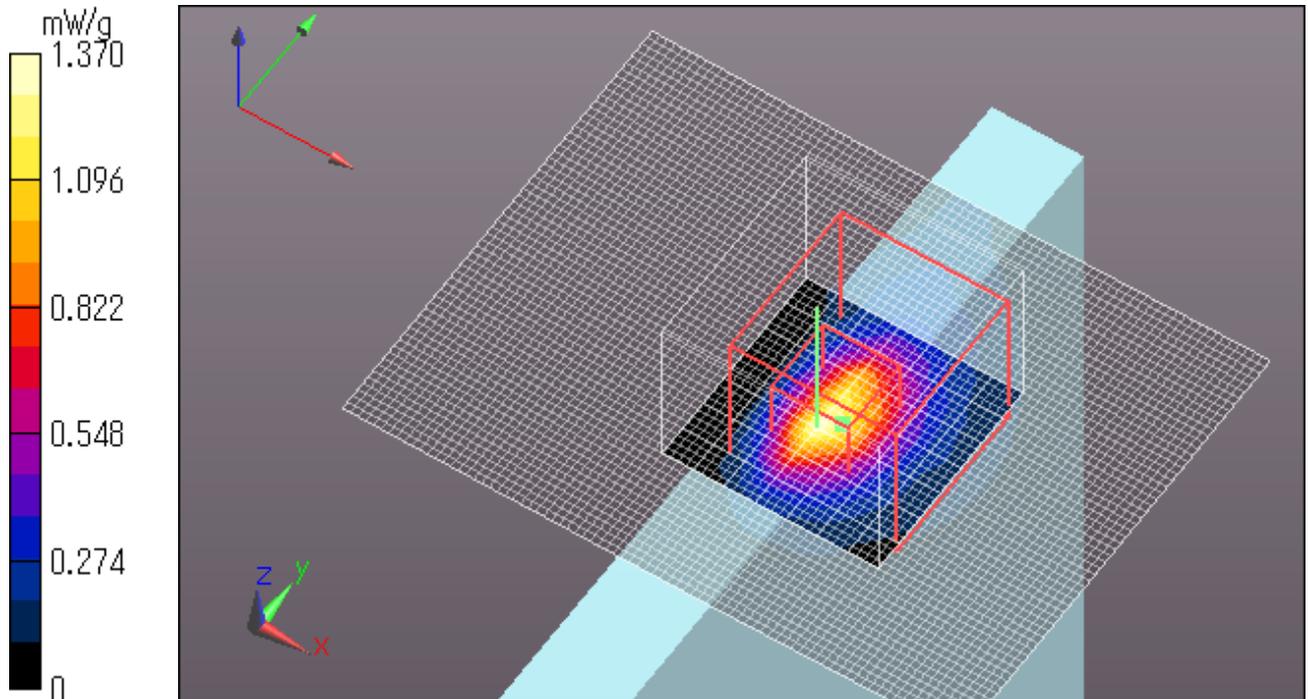
Peak SAR (extrapolated) = 2.6380

SAR(1 g) = 0.566 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 1.370 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5600MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.901$ mho/m; $\epsilon_r = 46.392$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (81x61x1): Measurement grid: dx=10mm, dy=10mm

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

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.218 V/m; Power Drift = -0.12 dB

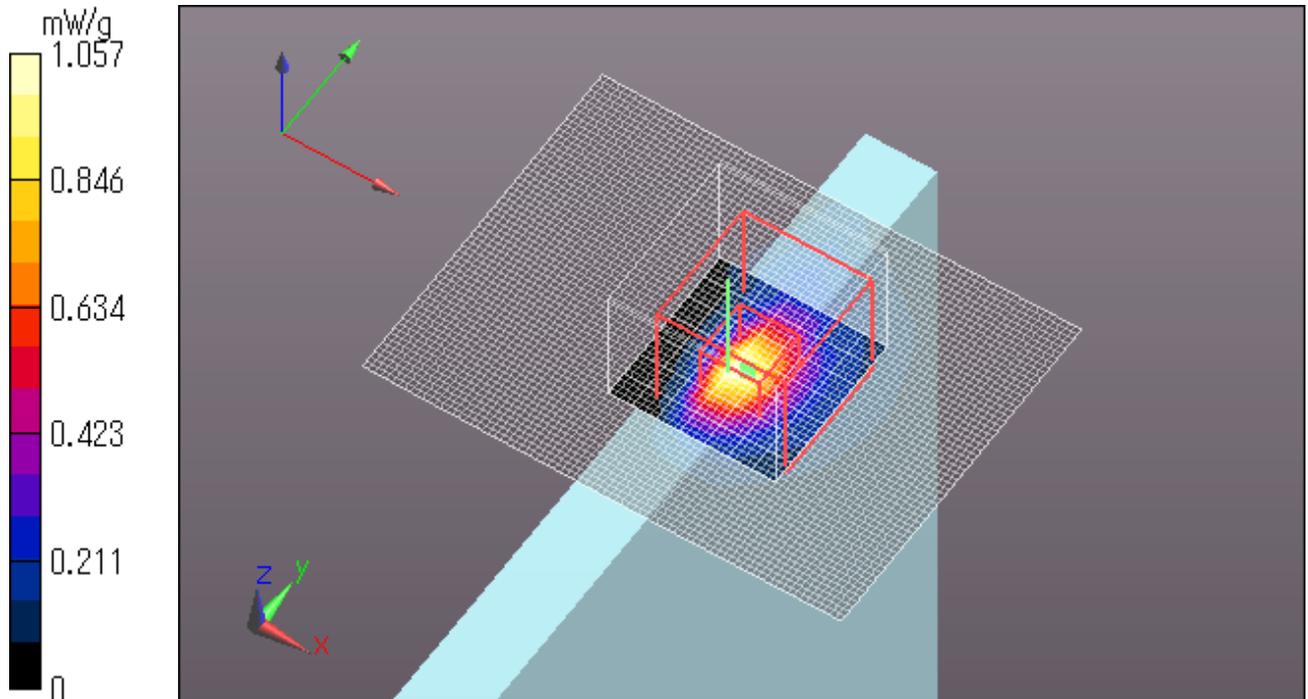
Peak SAR (extrapolated) = 2.4670

SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 1.057 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS8 5500MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5500$ MHz; $\sigma = 5.762$ mho/m; $\epsilon_r = 46.603$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.76, 3.76, 3.76); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (61x211x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.998 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.980 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 2.2840

SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 1.010 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.980 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.3830

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.674 mW/g

Zoom Scan 2 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 8.980 V/m; Power Drift = -0.13 dB

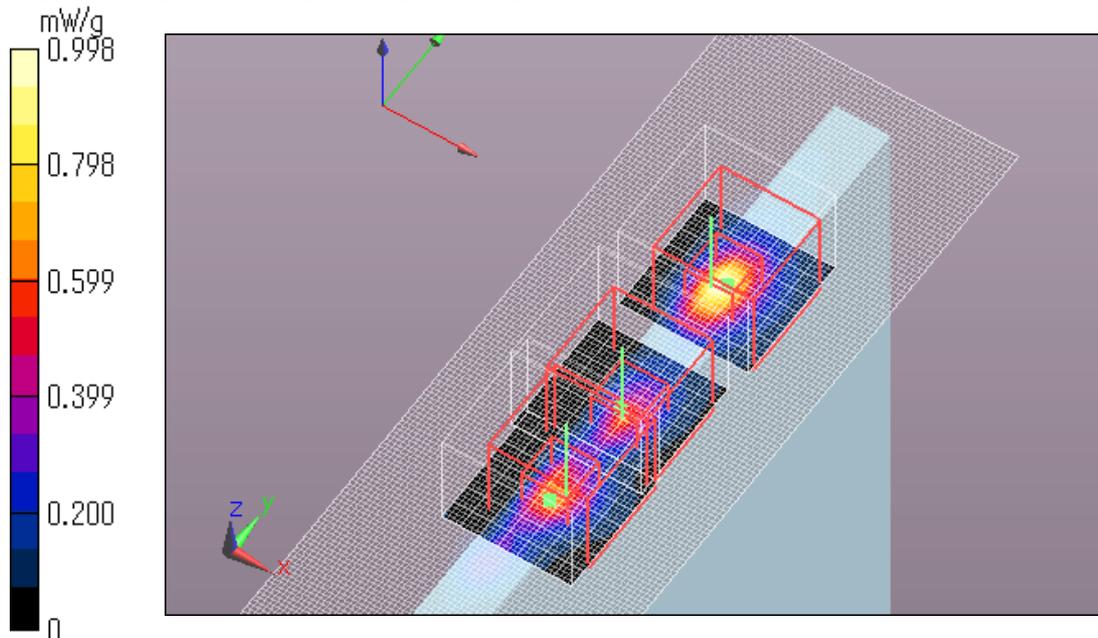
Peak SAR (extrapolated) = 1.1460

SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.657 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS8 5600MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5600 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5600$ MHz; $\sigma = 5.901$ mho/m; $\epsilon_r = 46.392$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (61x211x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.000 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.712 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.3660

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.961 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 6.712 V/m; Power Drift = -0.11 dB

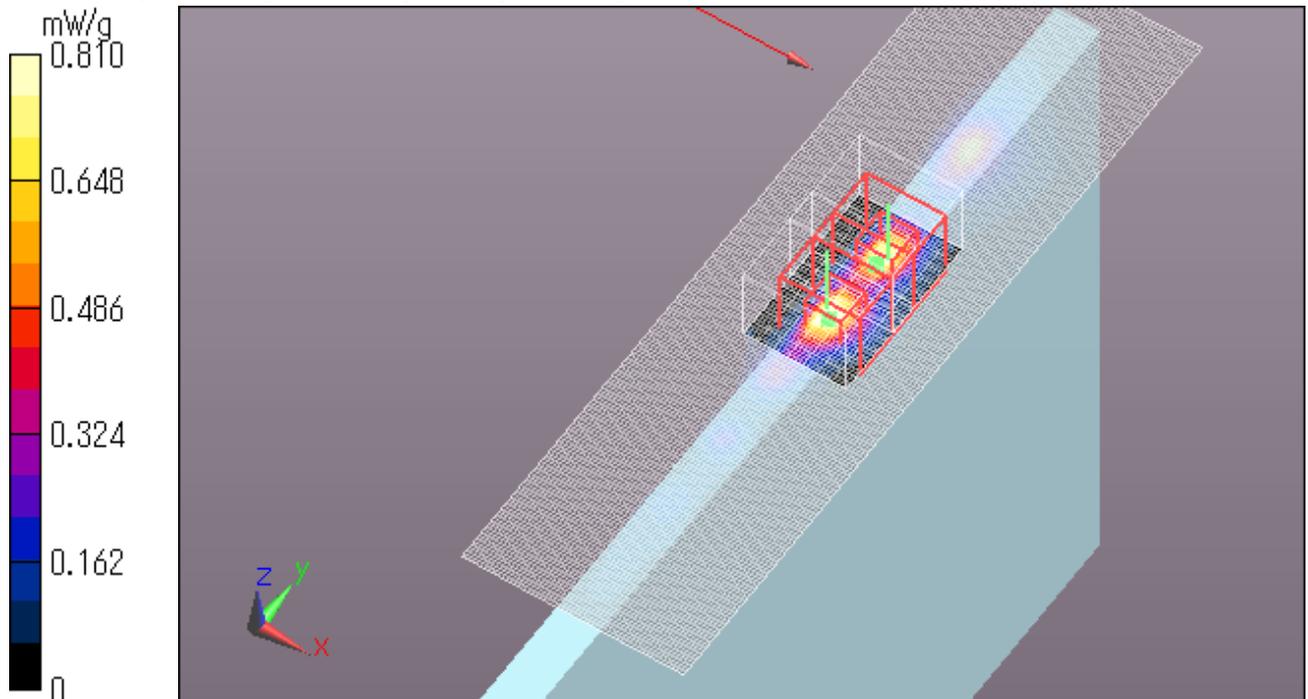
Peak SAR (extrapolated) = 2.4050

SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.810 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS8 5640MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5640 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5640 \text{ MHz}$; $\sigma = 5.951 \text{ mho/m}$; $\epsilon_r = 46.285$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (0);

Area Scan 2 (61x211x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 1.172 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 9.392 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 3.3840

SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.975 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 9.392 V/m; Power Drift = -0.17 dB

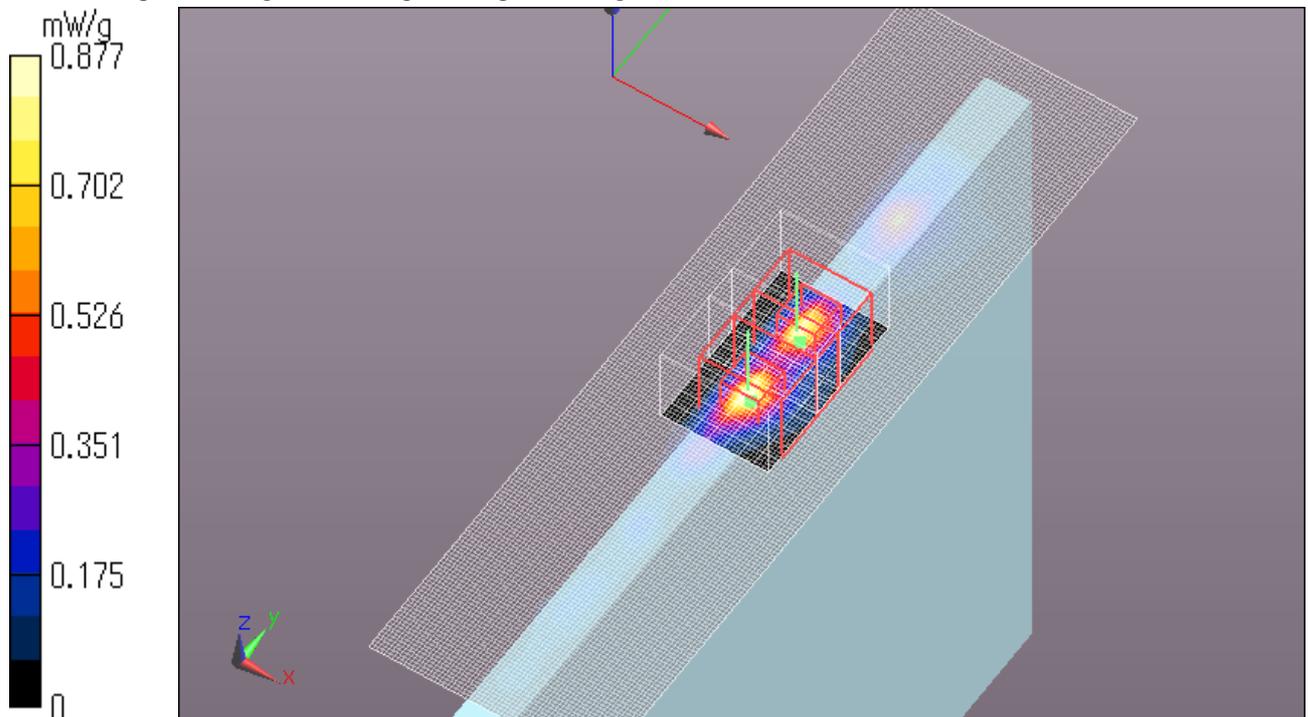
Peak SAR (extrapolated) = 3.7030

SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.877 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS0 5700MHz

Communication System: WLAN 5GHz; Communication System Band: WLAN 5GHz Mid; Frequency: 5700 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5700$ MHz; $\sigma = 6.034$ mho/m; $\epsilon_r = 46.159$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.59, 3.59, 3.59); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (61x211x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.638 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.899 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.1530

SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.586 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.899 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.0950

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.507 mW/g

Zoom Scan 2 2 (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 4.899 V/m; Power Drift = -0.17 dB

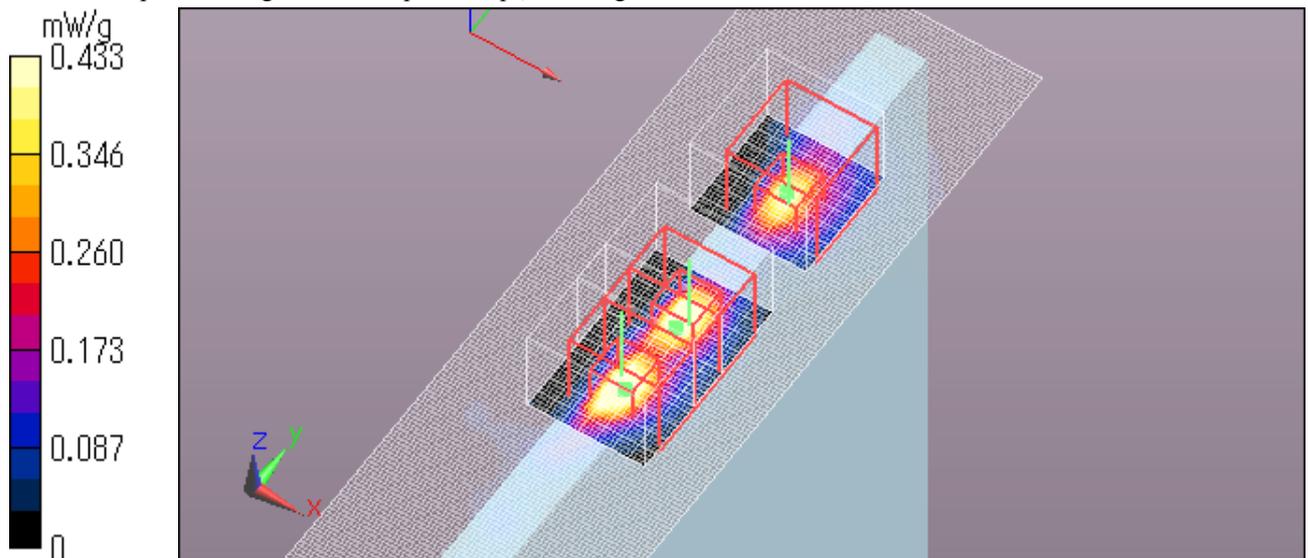
Peak SAR (extrapolated) = 0.9170

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.433 mW/g

Date: 2012/08/16

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

iv) WLAN 5745MHz-5825MHz

Ant.1 Laptop Bottom WLAN 11a 6Mbps 5785MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5785 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5785 \text{ MHz}$; $\sigma = 6.266 \text{ mho/m}$; $\epsilon_r = 45.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (121x121x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.00806 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.899 V/m; Power Drift = -0.12 dB

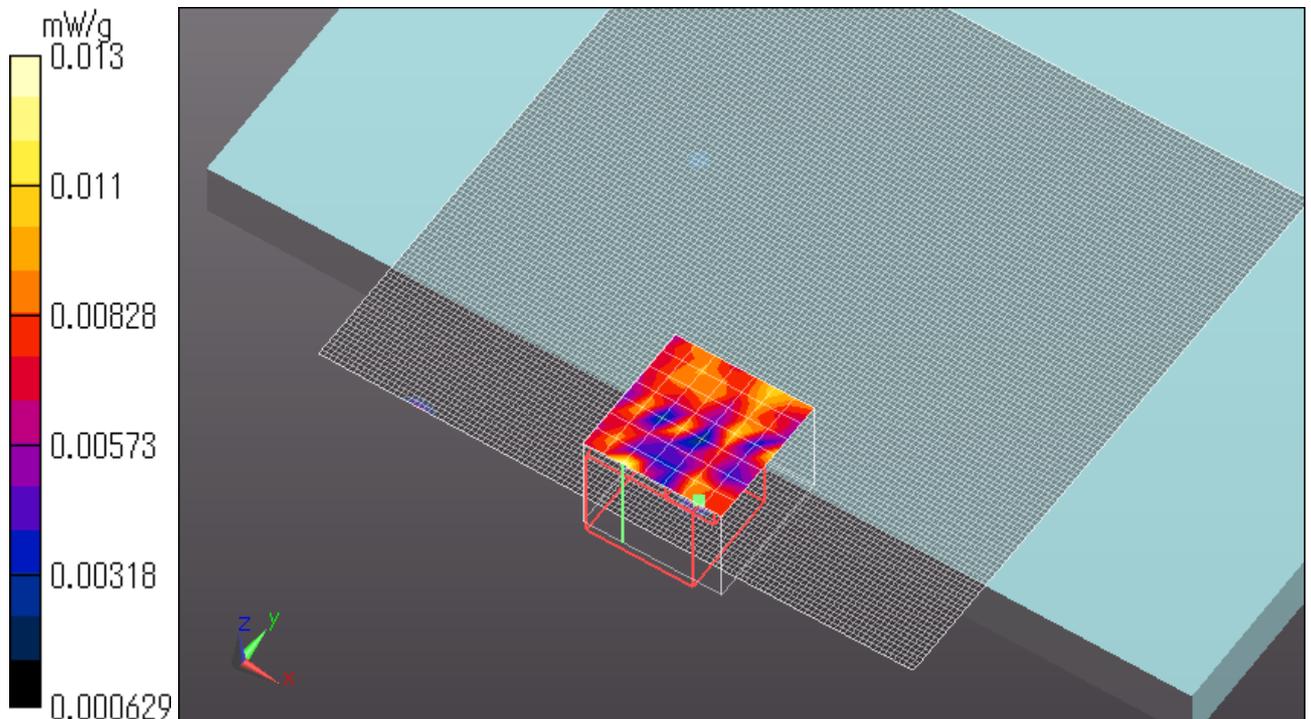
Peak SAR (extrapolated) = 0.0470

SAR(1 g) = 0.00301 mW/g; SAR(10 g) = 0.00143 mW/g

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

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Rear WLAN 11a 6Mbps 5785MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5785 MHz;Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5785 \text{ MHz}$; $\sigma = 6.266 \text{ mho/m}$; $\epsilon_r = 45.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan 2 (61x61x1): Measurement grid: dx=10mm, dy=10mm

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

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.837 V/m; Power Drift = 0.14 dB

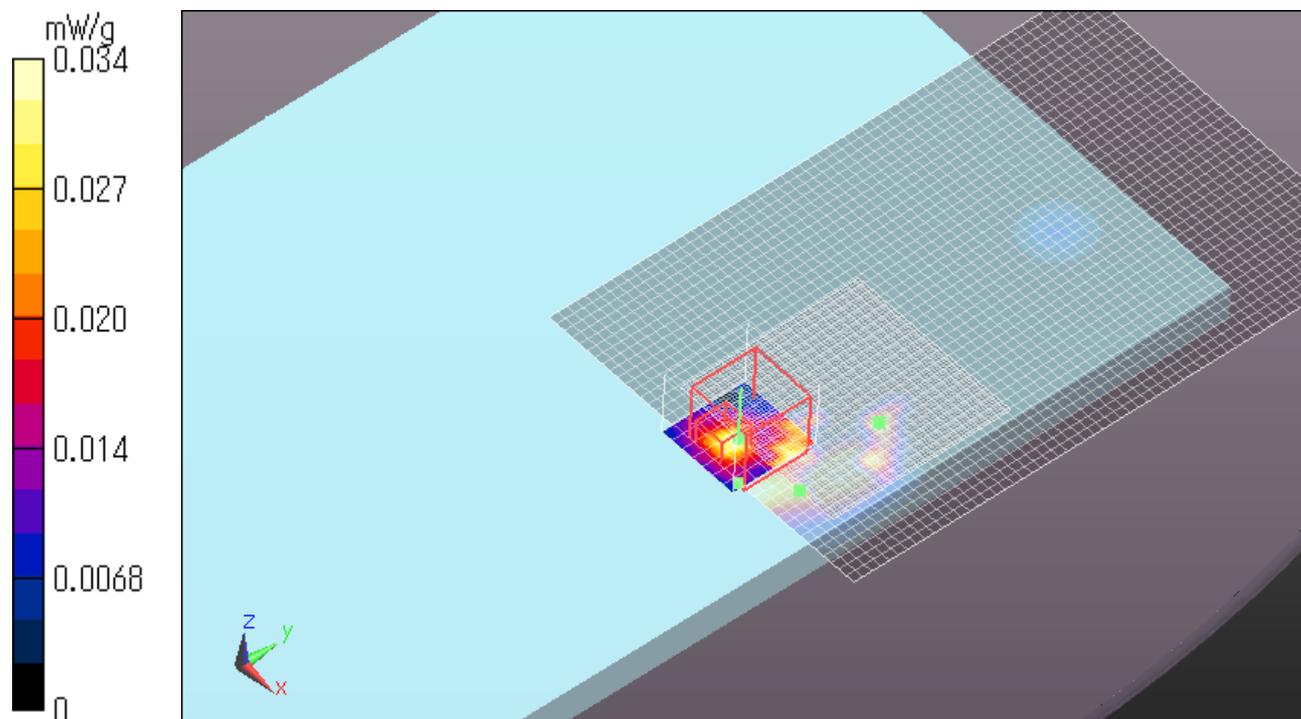
Peak SAR (extrapolated) = 0.1680

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00442 mW/g

Maximum value of SAR (measured) = 0.034 mW/g

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5785MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5785 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5785 \text{ MHz}$; $\sigma = 6.266 \text{ mho/m}$; $\epsilon_r = 45.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

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

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.973 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.7430

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.951 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.973 V/m; Power Drift = 0.13 dB

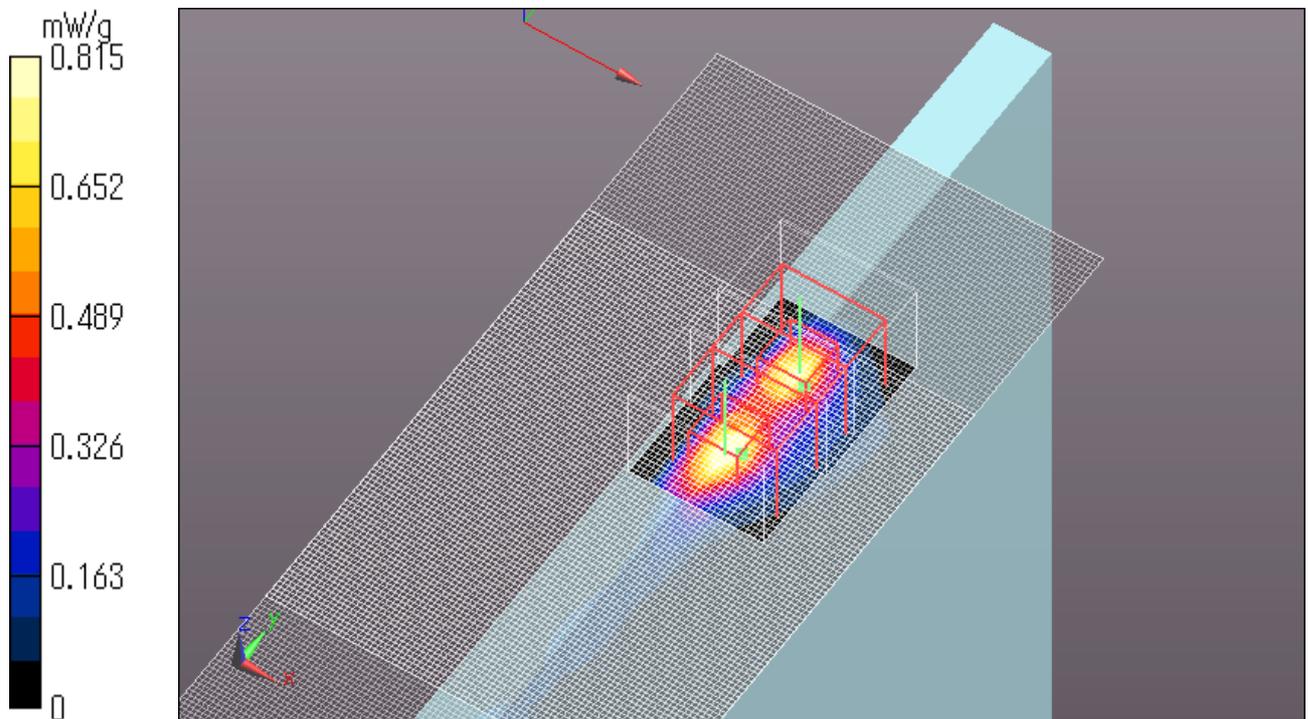
Peak SAR (extrapolated) = 1.9860

SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.089 mW/g

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

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

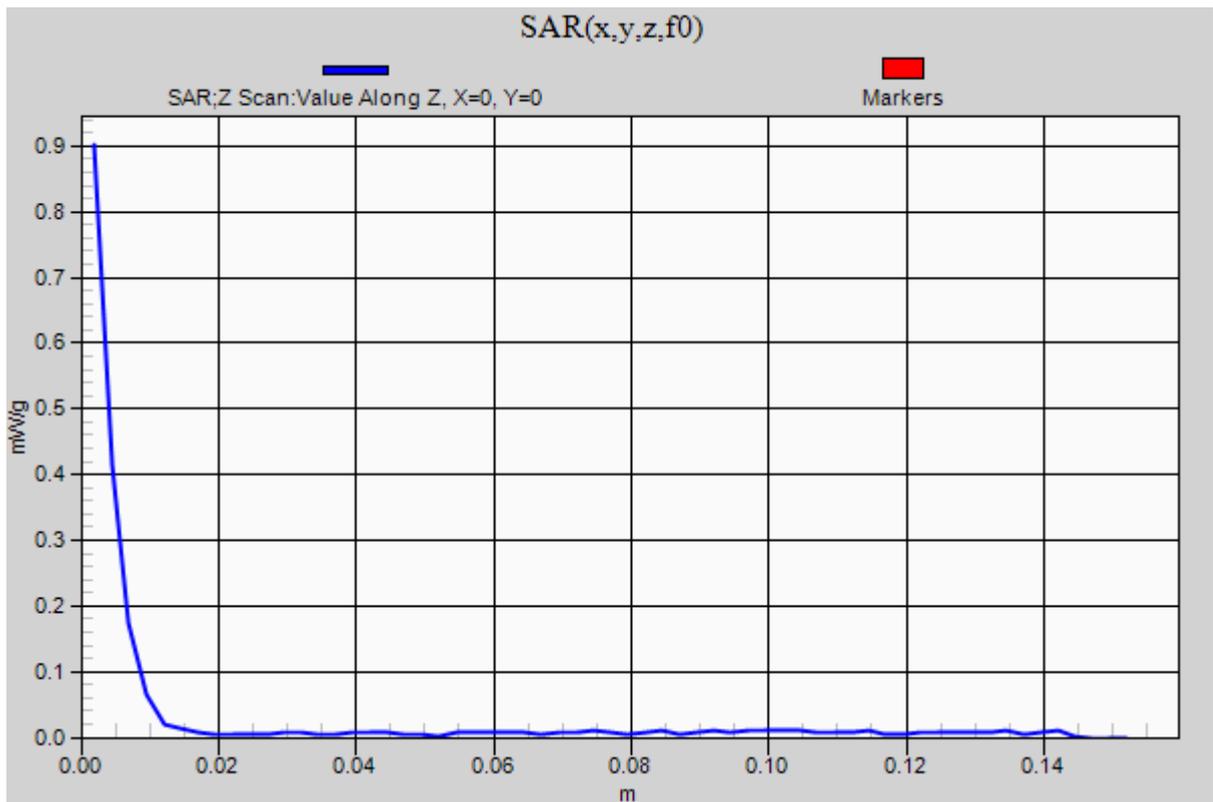
Z Scan at Maximum BODY SAR position in WLAN 5745MHz - 5825MHz

Ant.1 Tablet Long Edge WLAN 11a 6Mbps 5785MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5785 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5785$ MHz; $\sigma = 6.266$ mho/m; $\epsilon_r = 45.838$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16
Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2012/07/13
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASYS2, Version 52.8 (0);

Z Scan (1x1x61): Measurement grid: dx=20mm, dy=20mm, dz=2.5mm
Maximum value of SAR (measured) = 0.902 mW/g

Date: 2012/08/18
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.1 Tablet Short Edge WLAN 11a 6Mbps 5785MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5785 MHz;Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5785 \text{ MHz}$; $\sigma = 6.266 \text{ mho/m}$; $\epsilon_r = 45.838$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$
 Maximum value of SAR (interpolated) = 0.018 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.876 V/m; Power Drift = 0.18 dB

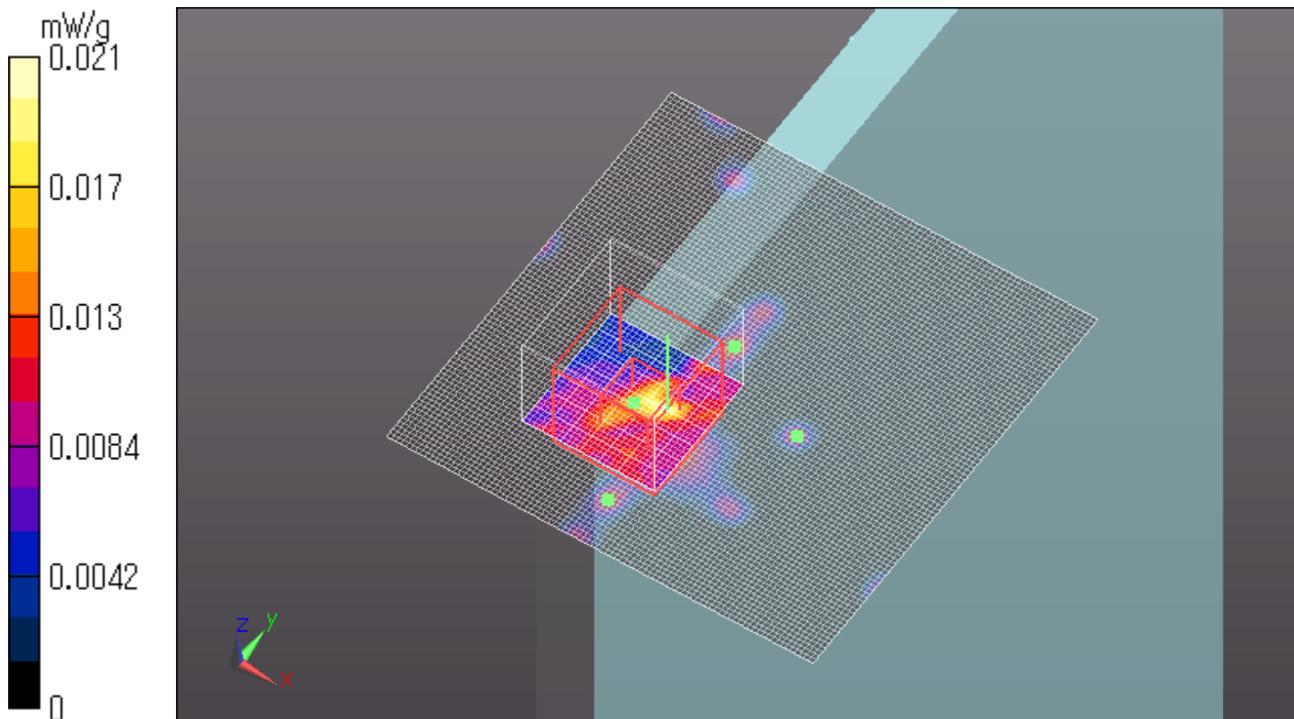
Peak SAR (extrapolated) = 0.0800

SAR(1 g) = 0.0071 mW/g; SAR(10 g) = 0.00196 mW/g

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

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

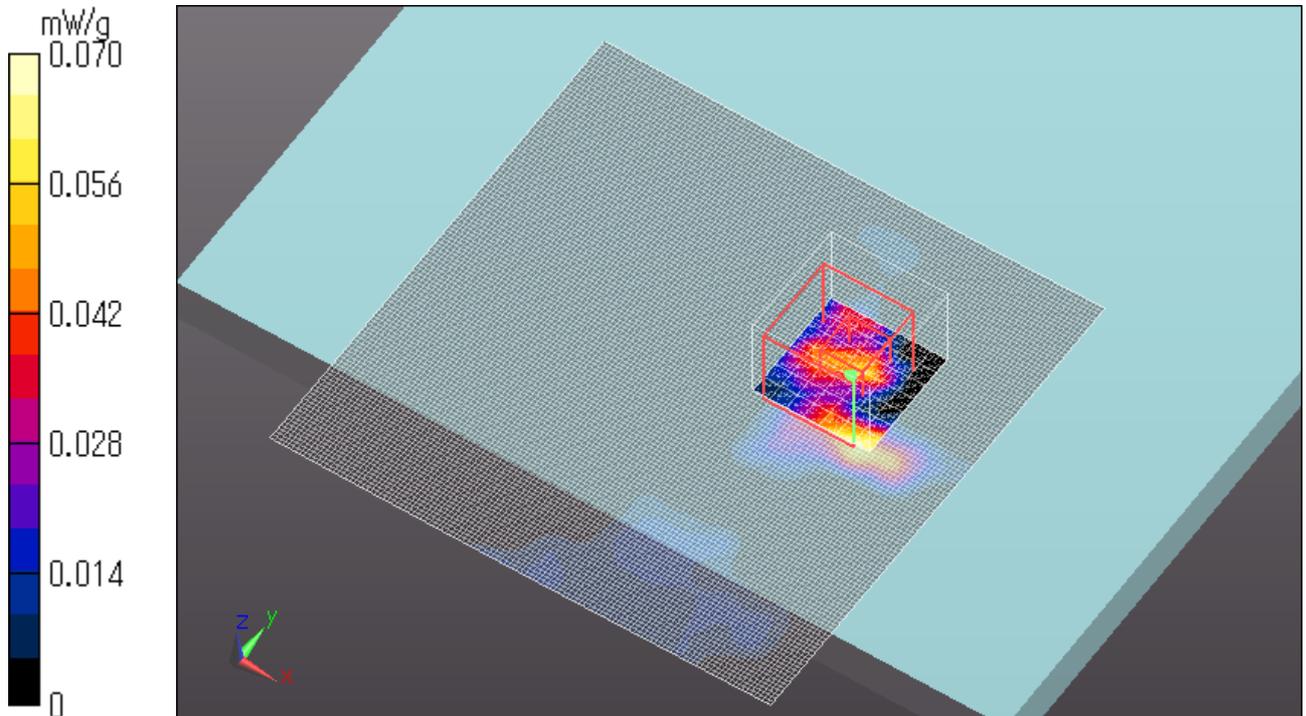
Ant.2 Laptop Bottom WLAN 11a 6Mbps 5745MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5745 MHz;Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 6.203$ mho/m; $\epsilon_r = 45.927$; $\rho = 1000$ kg/m³
Phantom section: Flat Section
Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)
DASY5 Configuration
Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16
Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)
Electronics: DAE4 Sn509; Calibrated: 2012/07/13
Phantom: ELI 4.0; Type: QDOVA001BA;
Measurement SW: DASY52, Version 52.8 (0);

Area Scan (121x121x1): Measurement grid: dx=10mm, dy=10mm
Maximum value of SAR (interpolated) = 0.095 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm
Reference Value = 0.889 V/m; Power Drift = -0.19 dB
Peak SAR (extrapolated) = 0.3550
SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00735 mW/g
Maximum value of SAR (measured) = 0.070 mW/g

Date: 2012/08/18
Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



Ant.2 Tablet Rear WLAN 11a 6Mbps 5745MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5745 MHz; Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5745 \text{ MHz}$; $\sigma = 6.203 \text{ mho/m}$; $\epsilon_r = 45.927$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (0);

Area Scan (41x61x1): Measurement grid: $dx=30\text{mm}$, $dy=30\text{mm}$

Maximum value of SAR (interpolated) = 0.026 mW/g

Area Scan 2 (61x61x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.034 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0.836 V/m; Power Drift = 0.16 dB

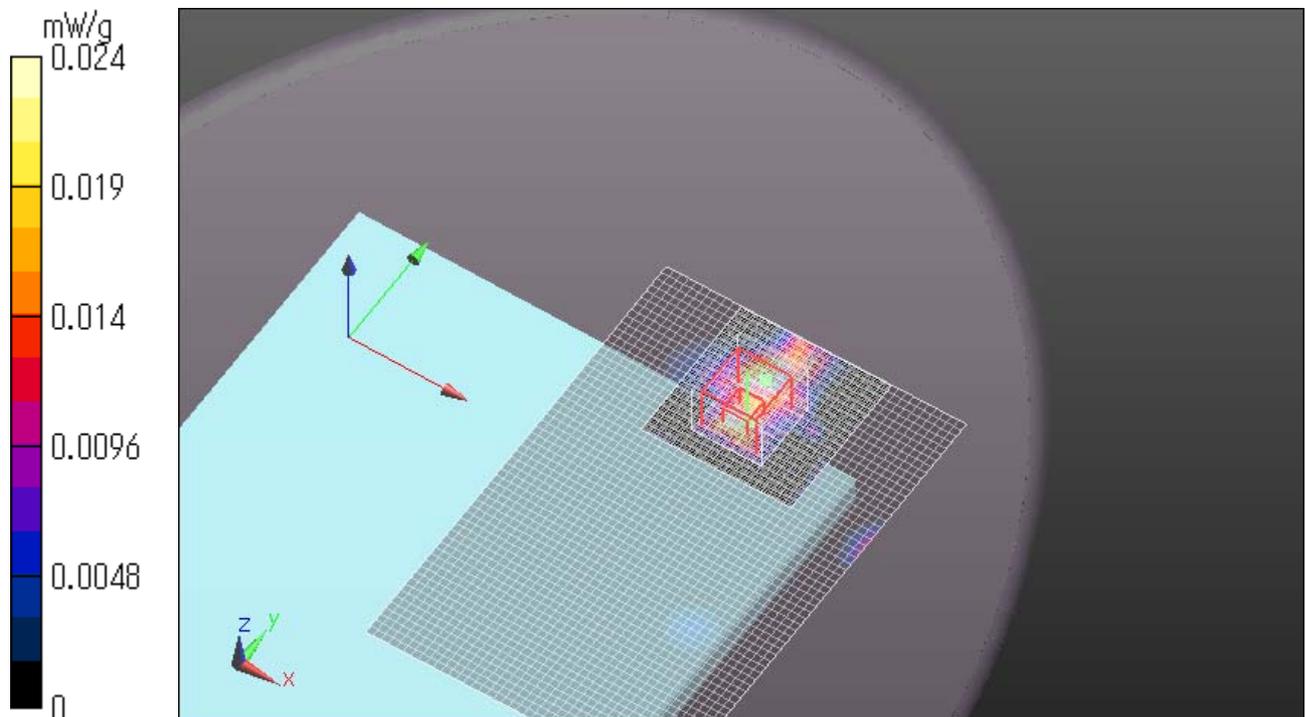
Peak SAR (extrapolated) = 0.1310

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0036 mW/g

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

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Long Edge WLAN 11a 6Mbps 5745MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5745$ MHz; $\sigma = 6.203$ mho/m; $\epsilon_r = 45.927$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASYS (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASYS2, Version 52.8 (0);

Area Scan (81x101x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.505 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=2mm

Reference Value = 0.709 V/m; Power Drift = 0.16 dB

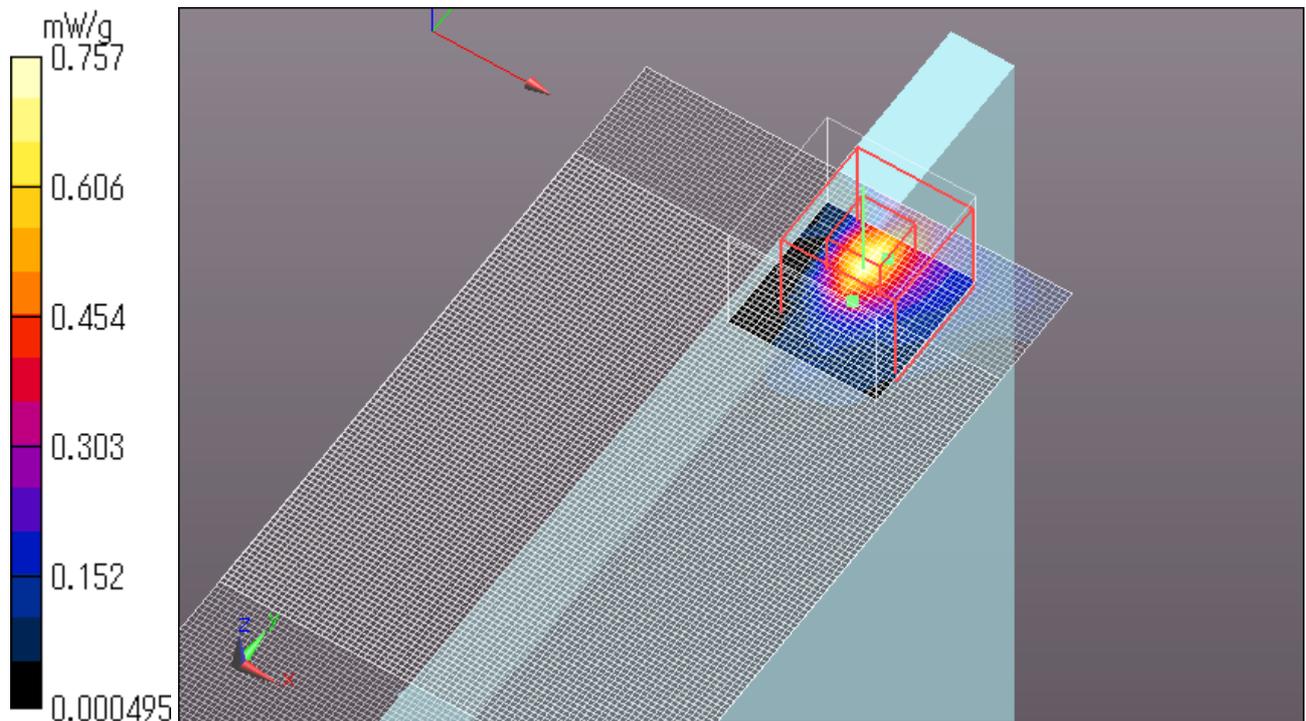
Peak SAR (extrapolated) = 1.4350

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.757 mW/g

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.2 Tablet Short Edge WLAN 11a 6Mbps 5745MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5745 MHz;Duty Cycle: 1:1
 Medium parameters used (interpolated): $f = 5745 \text{ MHz}$; $\sigma = 6.203 \text{ mho/m}$; $\epsilon_r = 45.927$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection (Locations From Previous Scan Used)), Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.8 (0);

Area Scan (91x91x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 0.079 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 1.684 V/m; Power Drift = -0.15 dB

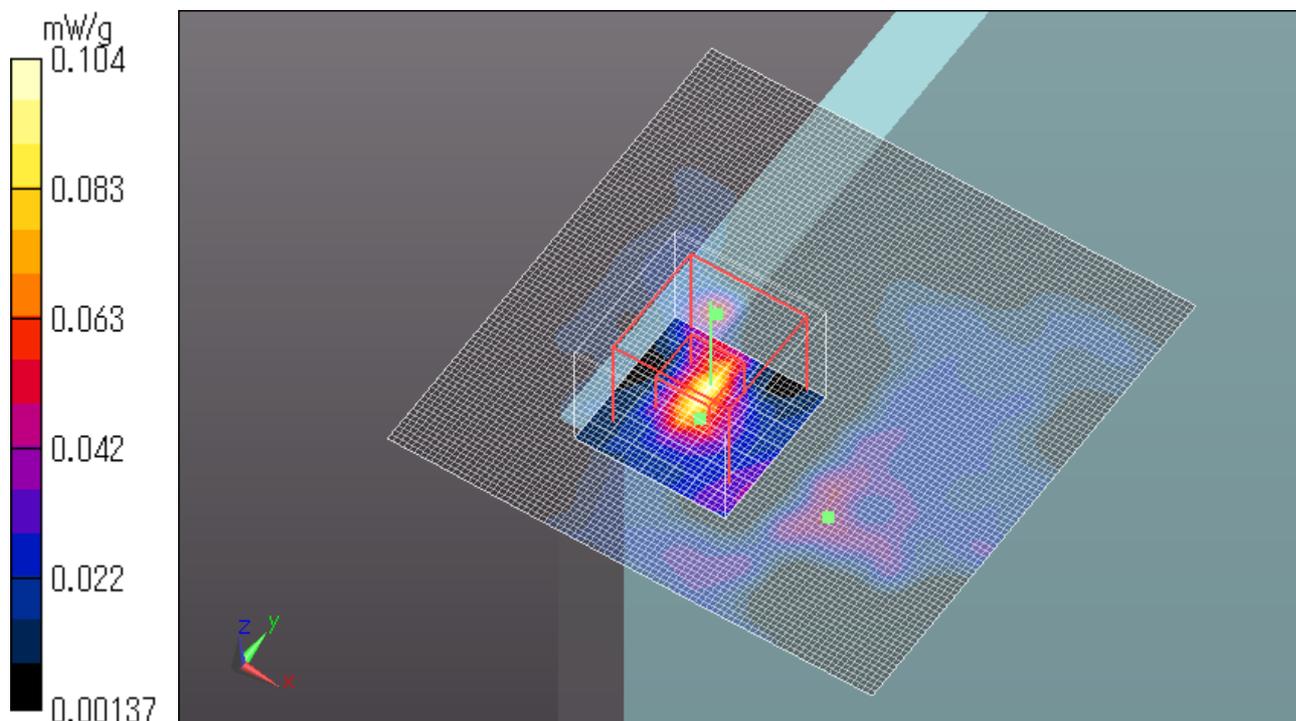
Peak SAR (extrapolated) = 0.3650

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.00914 mW/g

Maximum value of SAR (measured) = 0.104 mW/g

Date: 2012/08/18

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 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

Ant.1+Ant.2 Tablet Long Edge WLAN 11n 20MHz BW MCS8 5805MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5805 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5805 \text{ MHz}$; $\sigma = 6.299 \text{ mho/m}$; $\epsilon_r = 45.851$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DASY5 (IEEE/IEC/ANSI C63.19-2007)

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.07, 4.07, 4.07); Calibrated: 2011/12/16

Sensor-Surface: 2mm (Mechanical Surface Detection)

Electronics: DAE4 Sn509; Calibrated: 2012/07/13

Phantom: ELI 4.0; Type: QDOVA001BA;

Measurement SW: DASY52, Version 52.2 (0);

Area Scan 2 (81x101x1): Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (interpolated) = 0.290 mW/g

Zoom Scan (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.9300

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.046 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.478 mW/g

Zoom Scan 2 (8x8x6)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=2\text{mm}$

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.8930

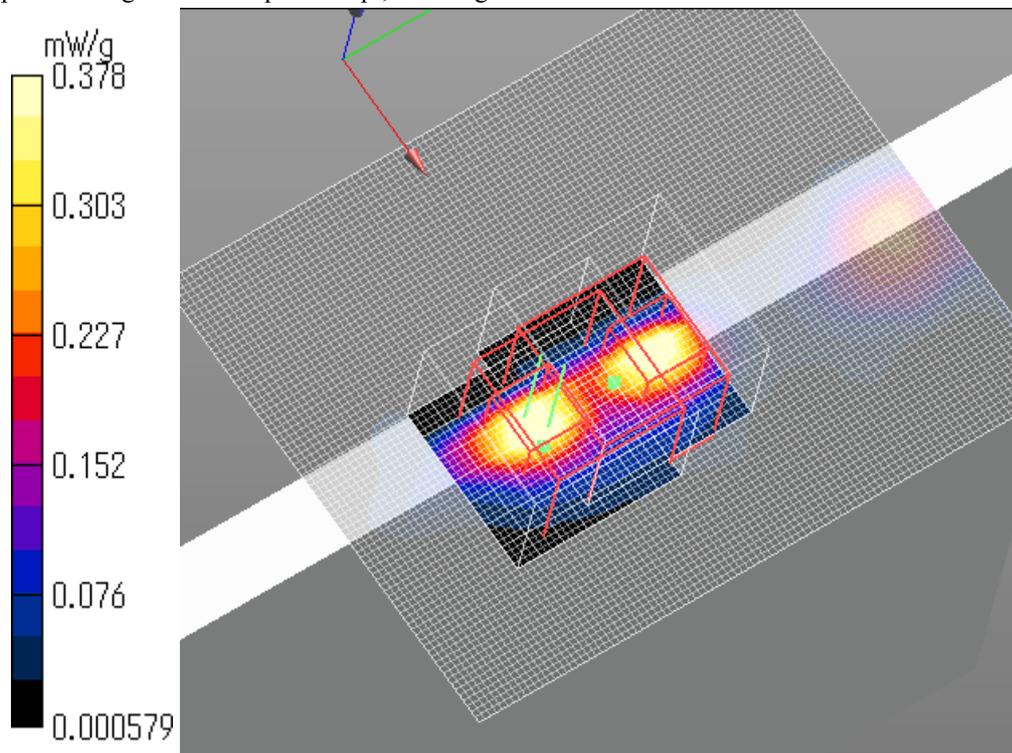
SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.044 mW/g

[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.446 mW/g

Date: 2012/08/19

Ambient Temp. : 24.0 degree.C. Liquid Temp.; 23.5 degree.C.



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

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