

vii) WCDMA II Head

GT-I9105P WCDMA II 12.2k RMC Left cheek 1880MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.469$ mho/m; $\epsilon_r = 38.499$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(8.43, 8.43, 8.43); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.385 W/kg

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

Reference Value = 1.453 V/m; Power Drift = 0.13 dB

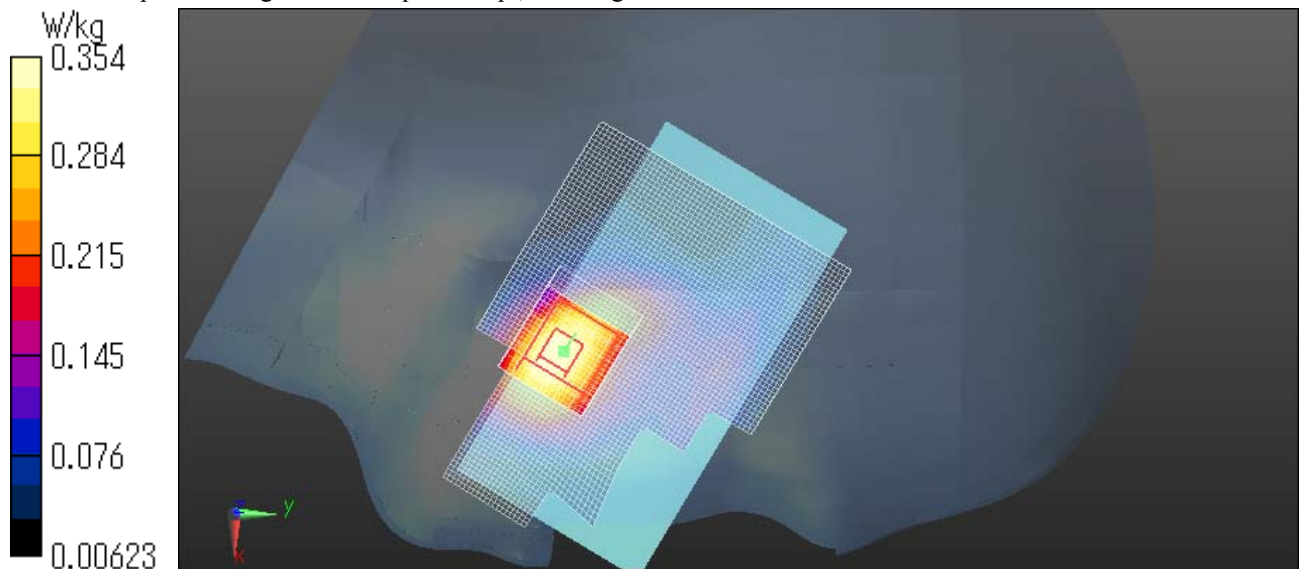
Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.276 W/kg; SAR(10 g) = 0.166 W/kg

Maximum value of SAR (measured) = 0.354 W/kg

Date: 2012/11/01

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



GT-I9105P WCDMA II 12.2k RMC Left tilt 1880MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.469$ mho/m; $\epsilon_r = 38.499$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(8.43, 8.43, 8.43); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.124 W/kg

Area Scan 2 (61x21x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0903 W/kg

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

Reference Value = 1.467 V/m; Power Drift = -0.19 dB

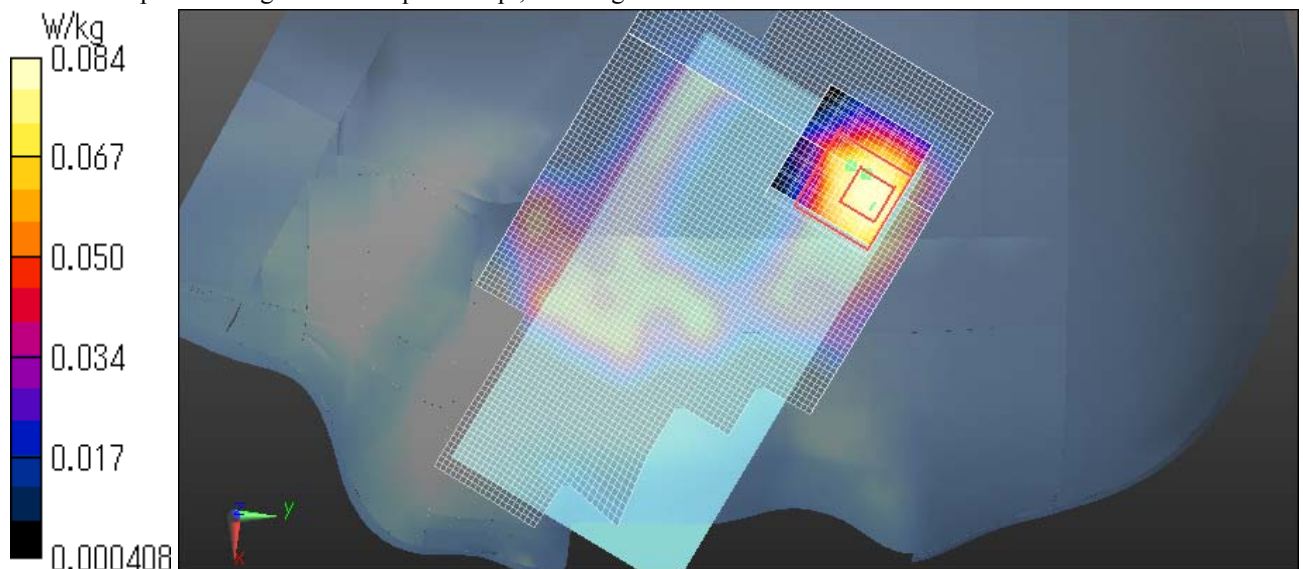
Peak SAR (extrapolated) = 0.0980 W/kg

SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.036 W/kg

Maximum value of SAR (measured) = 0.0836 W/kg

Date: 2012/11/01

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



GT-I9105P WCDMA II 12.2k RMC Right cheek 1880MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.469$ mho/m; $\epsilon_r = 38.499$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(8.43, 8.43, 8.43); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.304 W/kg

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

Reference Value = 2.671 V/m; Power Drift = -0.14 dB

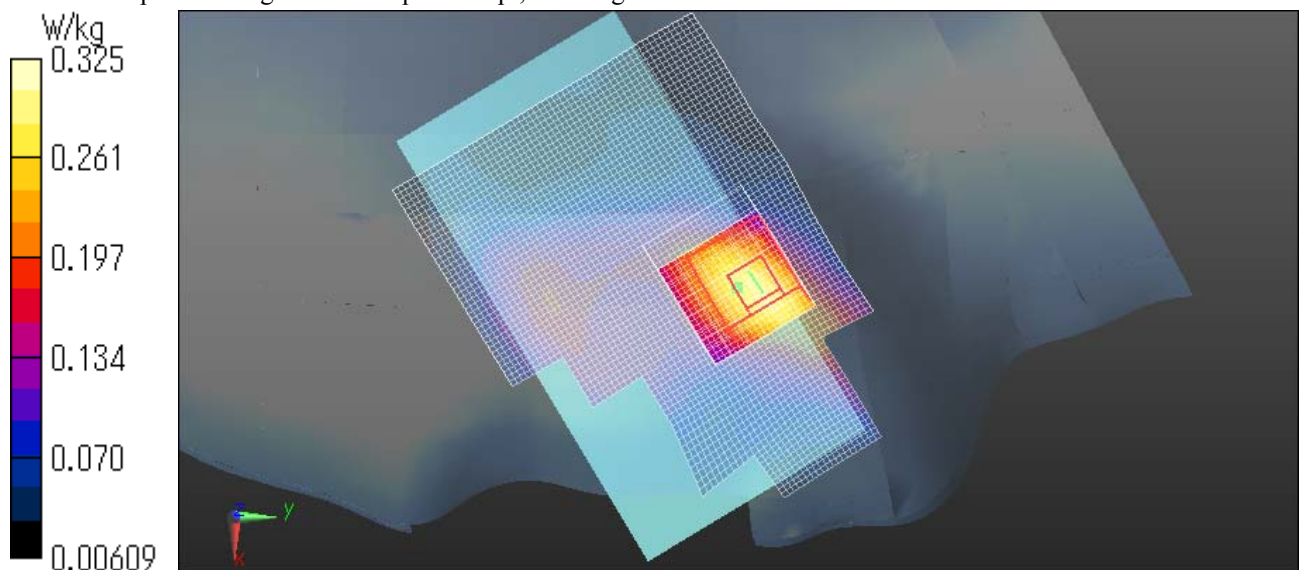
Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.138 W/kg

Maximum value of SAR (measured) = 0.325 W/kg

Date: 2012/11/01

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



GT-I9105P WCDMA II 12.2k RMC Right tilt 1880MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.469$ mho/m; $\epsilon_r = 38.499$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(8.43, 8.43, 8.43); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0639 W/kg

Area Scan 2 (61x21x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0570 W/kg

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

Reference Value = 2.687 V/m; Power Drift = -0.10 dB

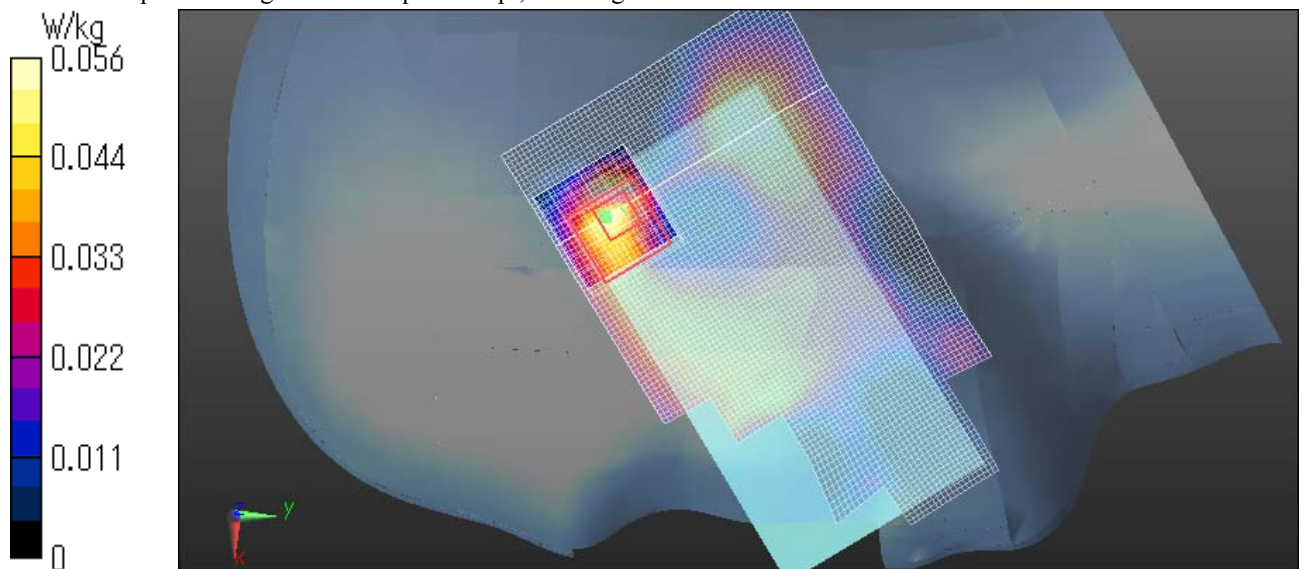
Peak SAR (extrapolated) = 0.0700 W/kg

SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.021 W/kg

Maximum value of SAR (measured) = 0.0556 W/kg

Date: 2012/11/01

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



viii) WCDMA II Body

GT-I9105P WCDMA II 12.2k RMC Front 10mm 1880MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.512$ mho/m; $\epsilon_r = 51.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.653 W/kg

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

Reference Value = 10.910 V/m; Power Drift = -0.19 dB

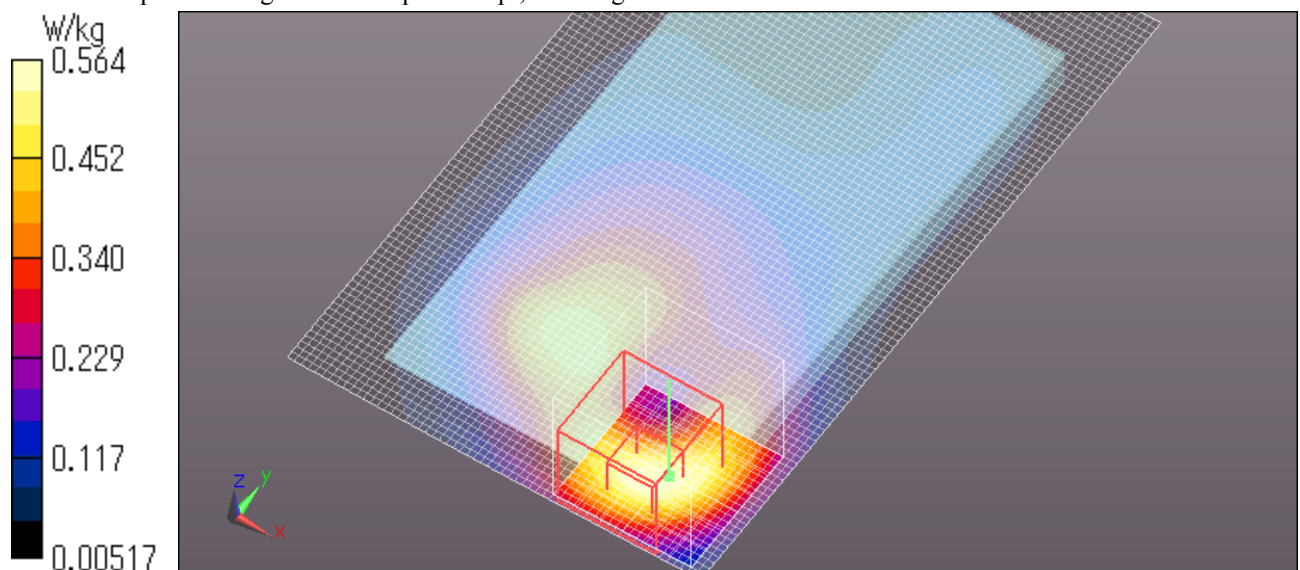
Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.217 W/kg

Maximum value of SAR (measured) = 0.564 W/kg

Date: 2012/10/31

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



GT-I9105P WCDMA II 12.2k RMC Rear 10mm 1880.0MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.512$ mho/m; $\epsilon_r = 51.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.25 W/kg

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

Reference Value = 14.357 V/m; Power Drift = -0.11 dB

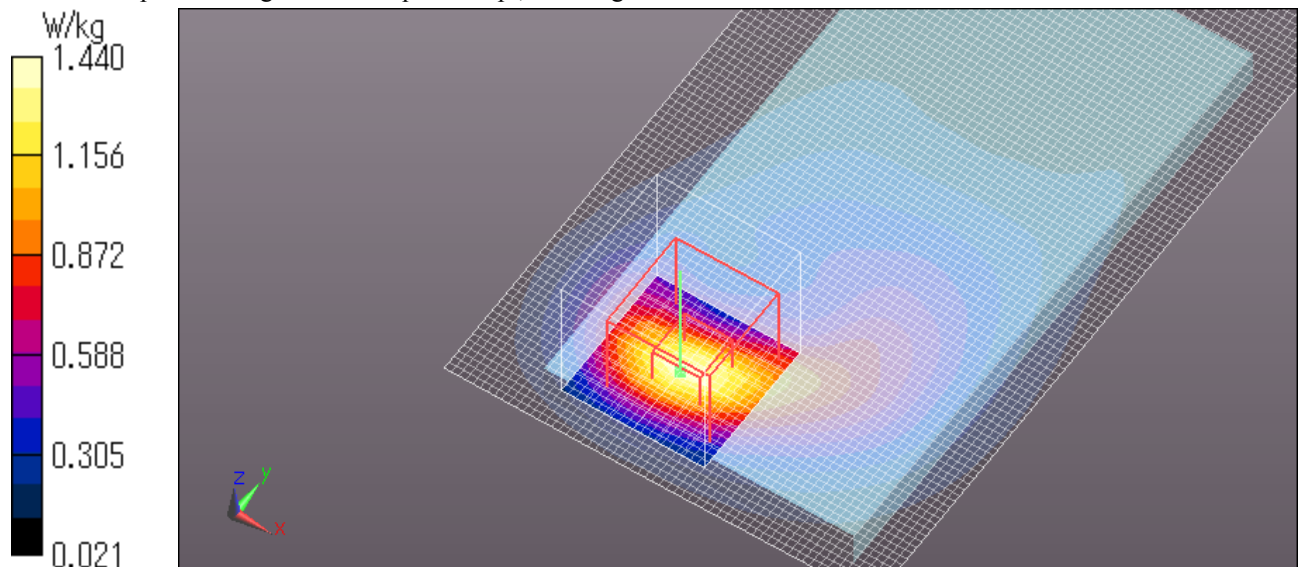
Peak SAR (extrapolated) = 1.82 W/kg

SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.517 W/kg

Maximum value of SAR (measured) = 1.44 W/kg

Date: 2012/10/31

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



GT-I9105P WCDMA II 12.2k RMC Left edge 10mm 1880.0MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.512$ mho/m; $\epsilon_r = 51.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.332 W/kg

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

Reference Value = 5.993 V/m; Power Drift = 0.06 dB

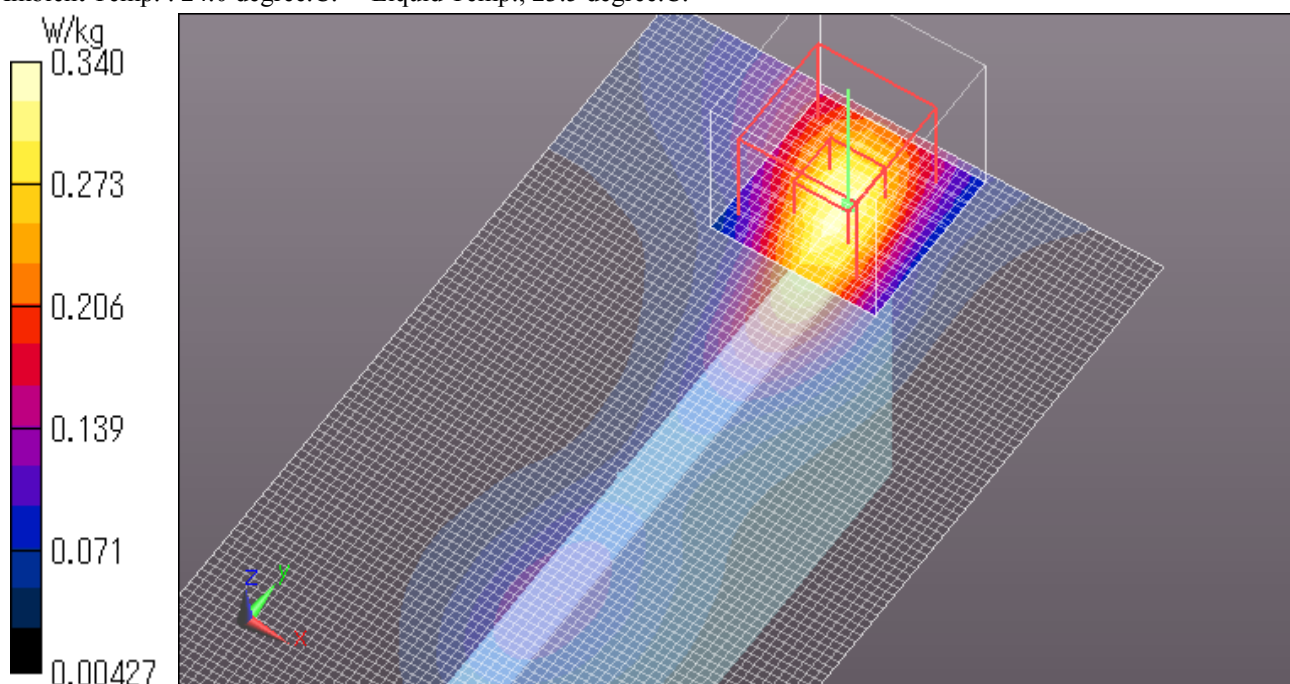
Peak SAR (extrapolated) = 0.433 W/kg

SAR(1 g) = 0.240 W/kg; SAR(10 g) = 0.127 W/kg

Maximum value of SAR (measured) = 0.340 W/kg

Date: 2012/10/31

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



GT-I9105P WCDMA II 12.2k RMC Bottom edge 10mm 1880.0MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.512$ mho/m; $\epsilon_r = 51.062$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

Area Scan (61x101x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.789 W/kg

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

Reference Value = 1.685 V/m; Power Drift = 0.17 dB

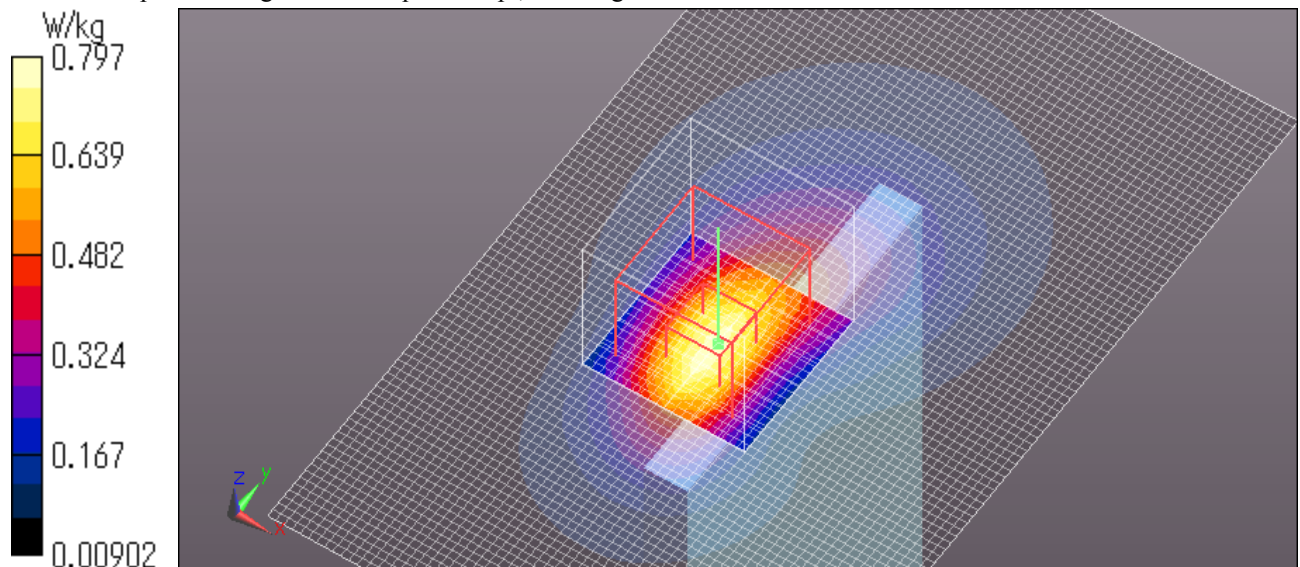
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.290 W/kg

Maximum value of SAR (measured) = 0.797 W/kg

Date: 2012/10/31

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



GT-I9105P WCDMA II 12.2k RMC Rear 10mm 1852.4MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4 \text{ MHz}$; $\sigma = 1.484 \text{ mho/m}$; $\epsilon_r = 51.15$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

Maximum value of SAR (interpolated) = 1.22 W/kg

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

Reference Value = 13.791 V/m ; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.83 W/kg

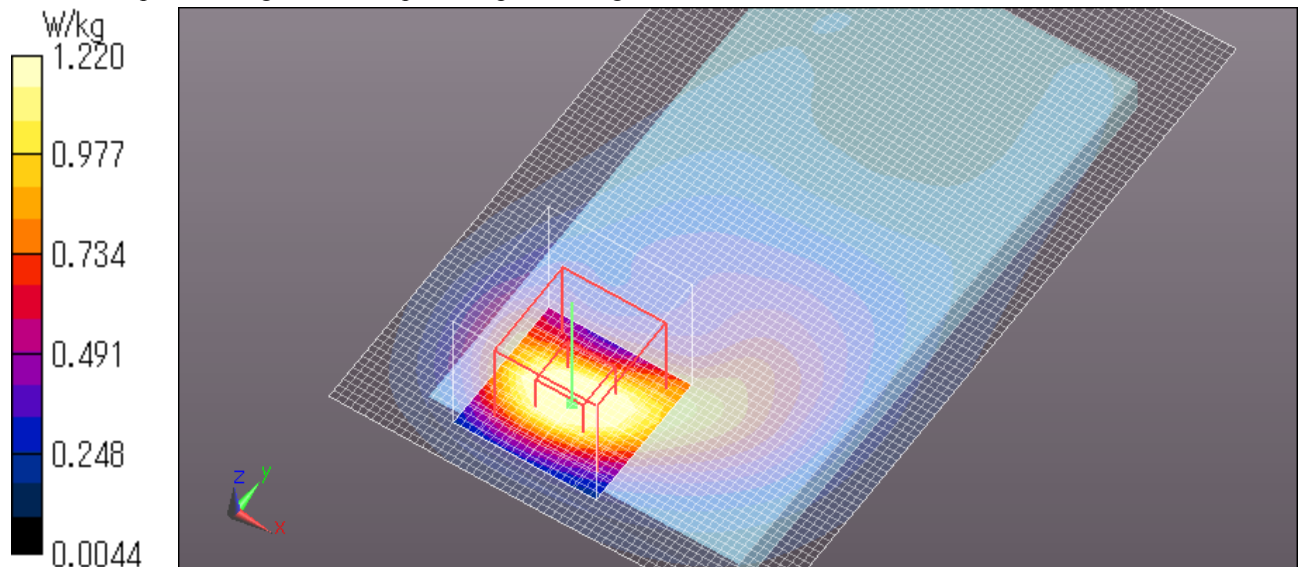
SAR(1 g) = 1.04 W/kg ; SAR(10 g) = 0.534 W/kg

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

Maximum value of SAR (measured) = 1.47 W/kg

Date: 2012/10/31

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 WCDMA II band**GT-I9105P WCDMA II 12.2k RMC Rear 10mm 1852.4MHz**

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 51.15$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

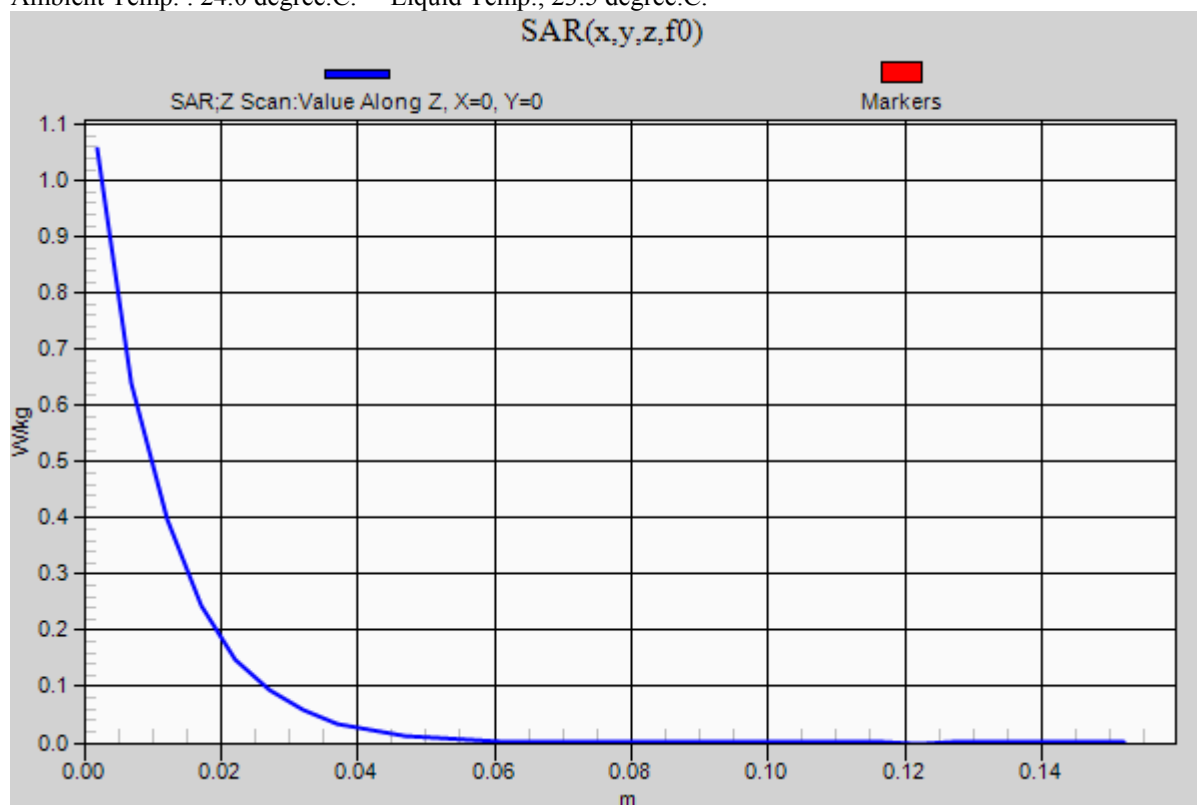
Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 1.06 W/kg

Date: 2012/10/31

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

GT-I9105P WCDMA II 12.2k RMC Rear 10mm 1907.6MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1907.6 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1907.6$ MHz; $\sigma = 1.542$ mho/m; $\epsilon_r = 50.981$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.48, 7.48, 7.48); 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 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 1.16 W/kg

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

Reference Value = 12.348 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.78 W/kg

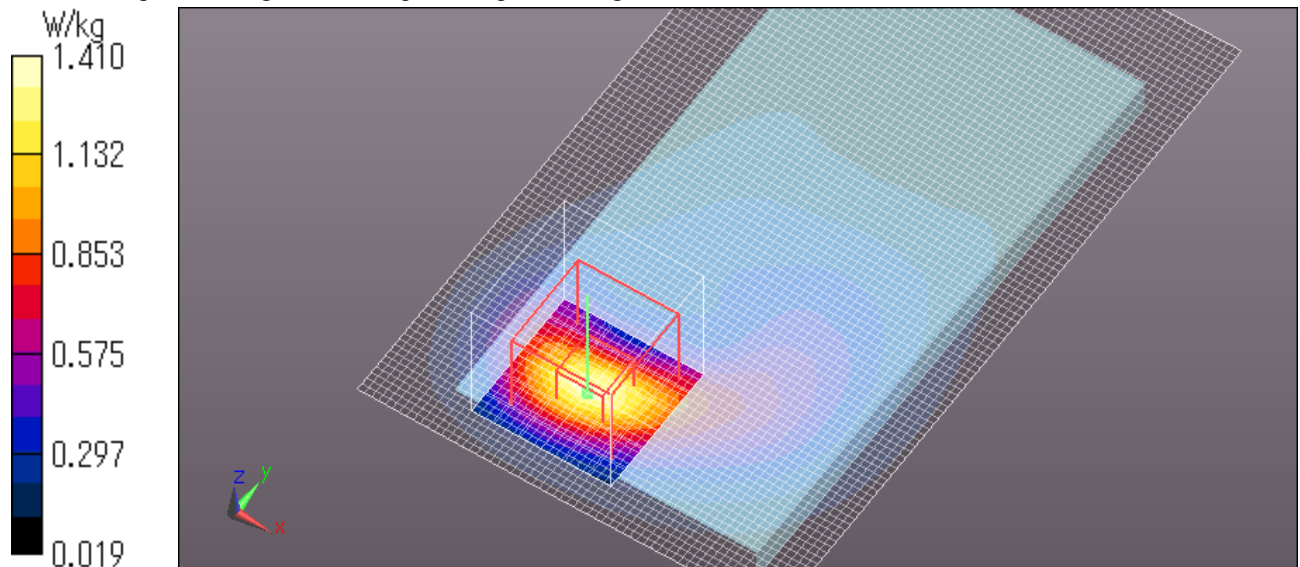
SAR(1 g) = 0.980 W/kg; SAR(10 g) = 0.489 W/kg

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

Maximum value of SAR (measured) = 1.41 W/kg

Date: 2012/10/31

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



GT-I9105P WCDMA II 12.2k RMC Rear 10mm 1852.4MHz Repetition

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4 \text{ MHz}$; $\sigma = 1.541 \text{ mho/m}$; $\epsilon_r = 51.202$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.59, 7.59, 7.59); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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 (3);

Area Scan 3 (51x71x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

Maximum value of SAR (interpolated) = 1.33 W/kg

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

Reference Value = 4.162 V/m ; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.64 W/kg

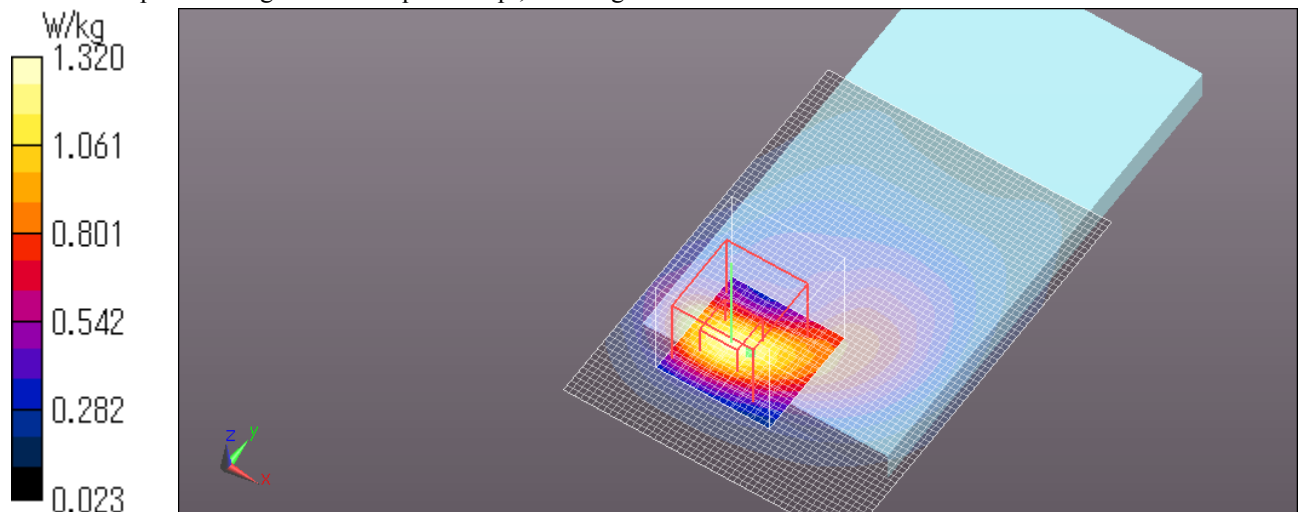
SAR(1 g) = 0.934 W/kg ; SAR(10 g) = 0.484 W/kg

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

Maximum value of SAR (measured) = 1.32 W/kg

Date: 2013/01/14

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

ix) **WLAN 2.4GHz Head**

GT-I9105P WLAN 11b 1Mbps Left cheek 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; $\sigma = 1.852$ mho/m; $\epsilon_r = 37.38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.44, 7.44, 7.44); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.194 W/kg

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

Reference Value = 1.432 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.244 W/kg

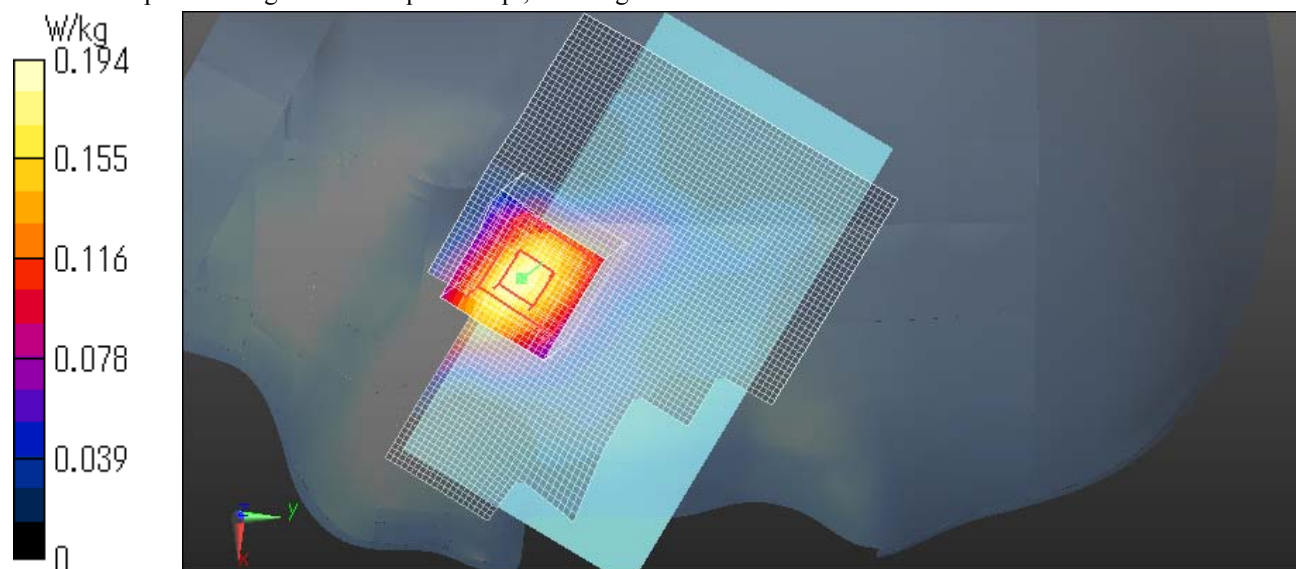
SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.065 W/kg

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

Maximum value of SAR (measured) = 0.182 W/kg

Date: 2012/11/12

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



Z Scan at Maximum Head SAR position in WLAN 2.4GHz band

GT-I9105P WLAN 11b 1Mbps Left cheek 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; $\sigma = 1.852$ mho/m; $\epsilon_r = 37.38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.44, 7.44, 7.44); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

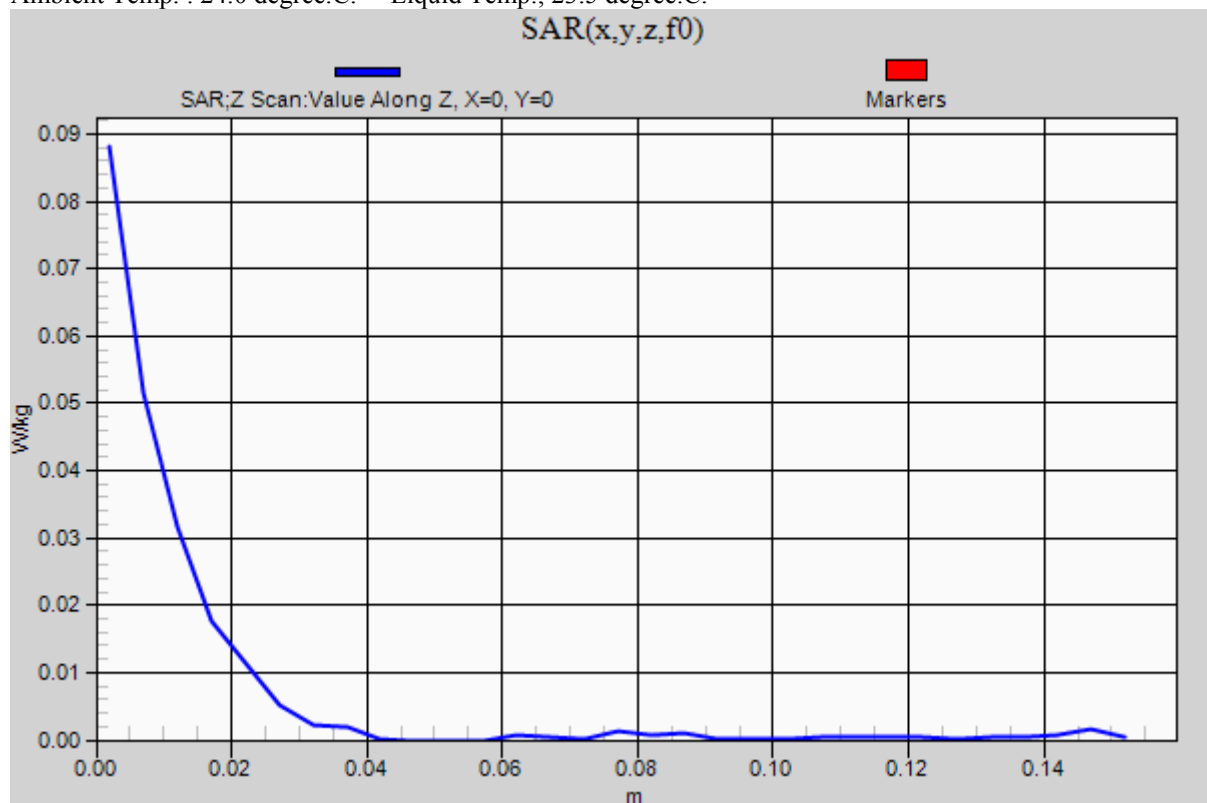
Z Scan (1x1x31): Measurement grid: dx=20mm, dy=20mm, dz=5mm

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

Maximum value of SAR (measured) = 0.0881 W/kg

Date: 2012/11/12

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

GT-I9105P WLAN 11b 1Mbps Left tilt 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; $\sigma = 1.852$ mho/m; $\epsilon_r = 37.38$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.44, 7.44, 7.44); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.0612 W/kg

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

Reference Value = 2.736 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0660 W/kg

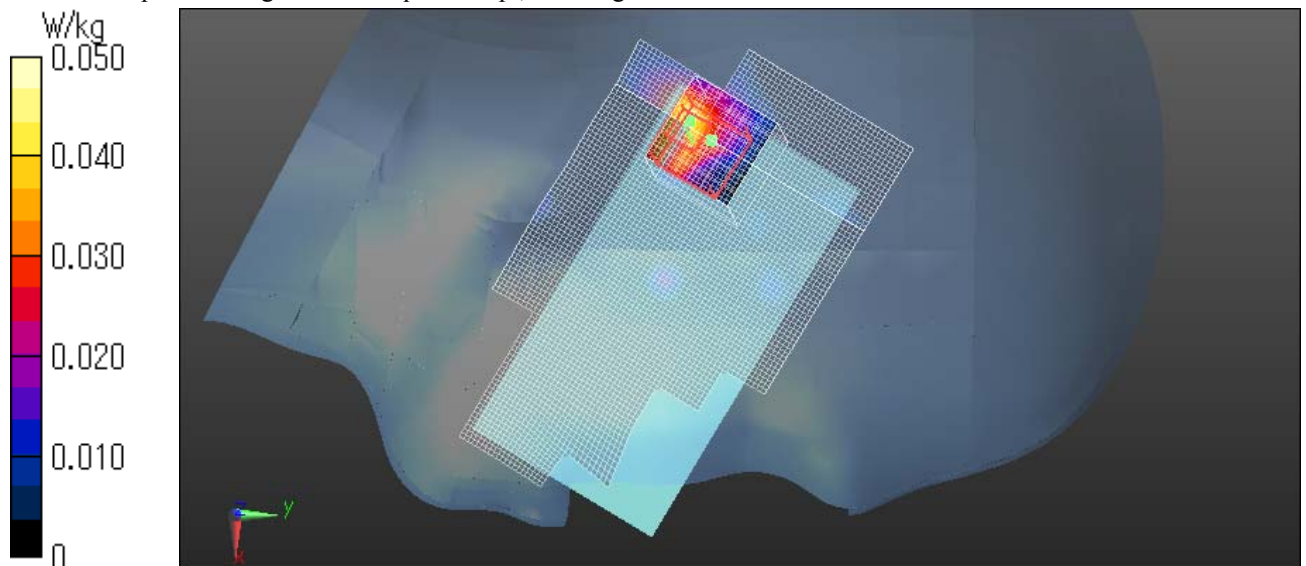
SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.011 W/kg

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

Maximum value of SAR (measured) = 0.0500 W/kg

Date: 2012/11/12

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



GT-I9105P WLAN 11b 1Mbps Right cheek 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; $\sigma = 1.852$ mho/m; $\epsilon_r = 37.38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.44, 7.44, 7.44); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.136 W/kg

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

Reference Value = 1.405 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.127 W/kg

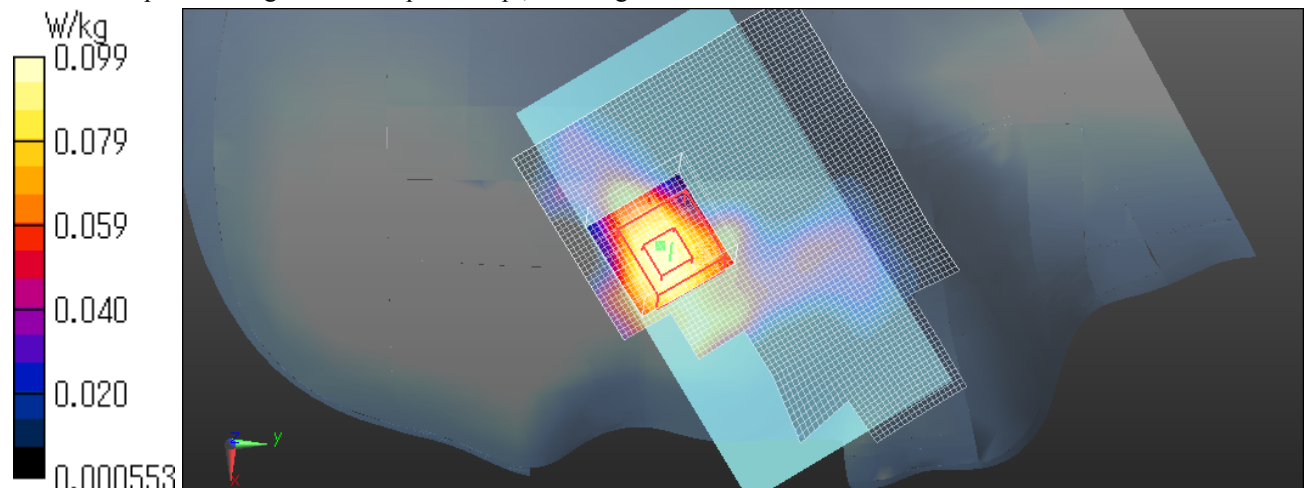
SAR(1 g) = 0.070 W/kg; SAR(10 g) = 0.038 W/kg

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

Maximum value of SAR (measured) = 0.0986 W/kg

Date: 2012/11/12

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



GT-I9105P WLAN 11b 1Mbps Right tilt 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; $\sigma = 1.852$ mho/m; $\epsilon_r = 37.38$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.44, 7.44, 7.44); 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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.156 W/kg

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

Reference Value = 1.987 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0930 W/kg

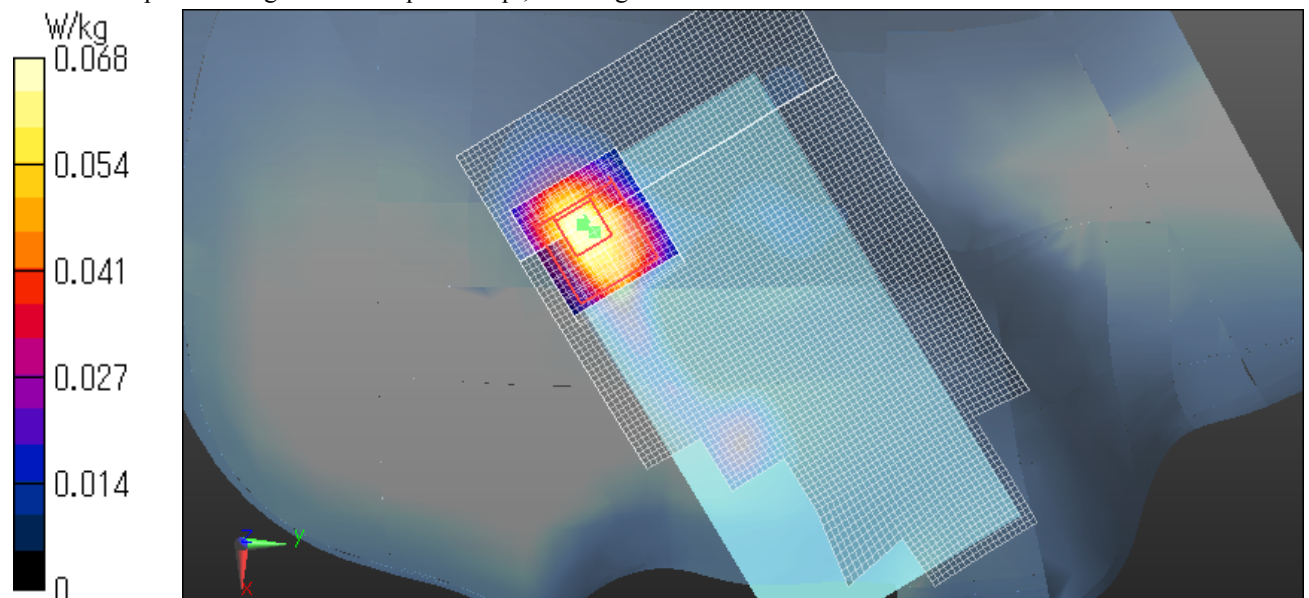
SAR(1 g) = 0.047 W/kg; SAR(10 g) = 0.021 W/kg

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

Maximum value of SAR (measured) = 0.0681 W/kg

Date: 2012/11/12

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



x) **WLAN 2.4GHz Body**

GT-I9105P WLAN 11b 1Mbps Front 10mm 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): $f = 2437 \text{ MHz}$; $\sigma = 1.987 \text{ mho/m}$; $\epsilon_r = 50.351$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(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: DASY52, Version 52.8 (3);

Area Scan (61x101x1): Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.174 W/kg

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

Reference Value = 5.000 V/m ; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.174 W/kg

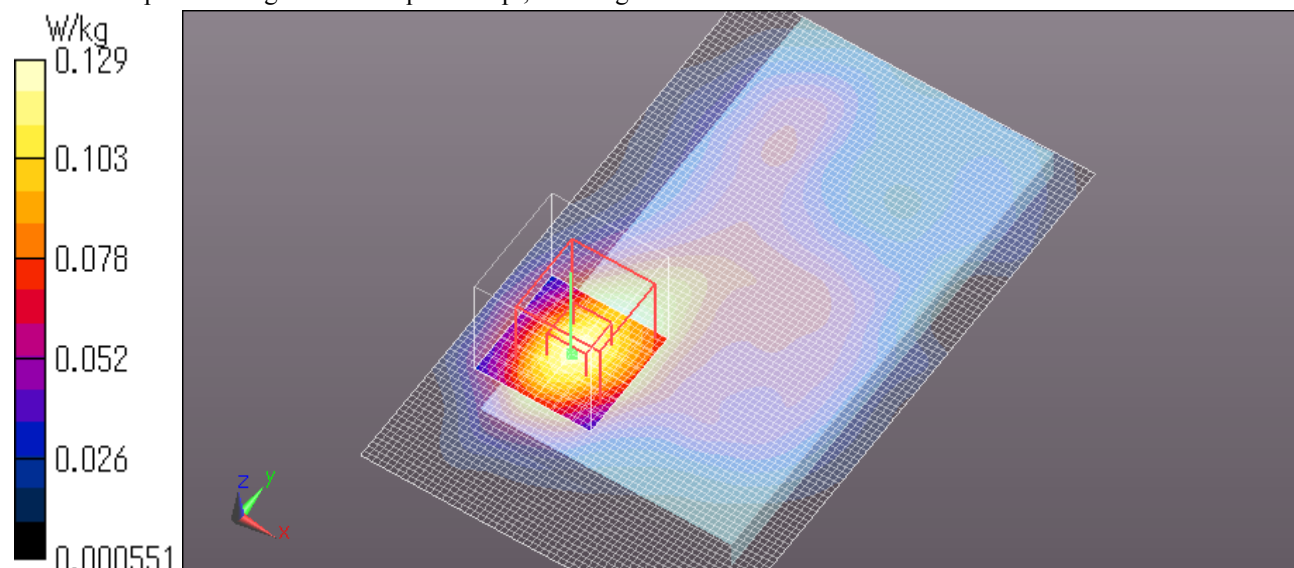
SAR(1 g) = 0.087 W/kg ; SAR(10 g) = 0.044 W/kg

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

Maximum value of SAR (measured) = 0.129 W/kg

Date: 2012/11/11

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



GT-I9105P WLAN 11b 1Mbps Rear 10mm 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; $\sigma = 1.987$ mho/m; $\epsilon_r = 50.351$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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: DASY52, Version 52.8 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.200 W/kg

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

Reference Value = 6.900 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.206 W/kg

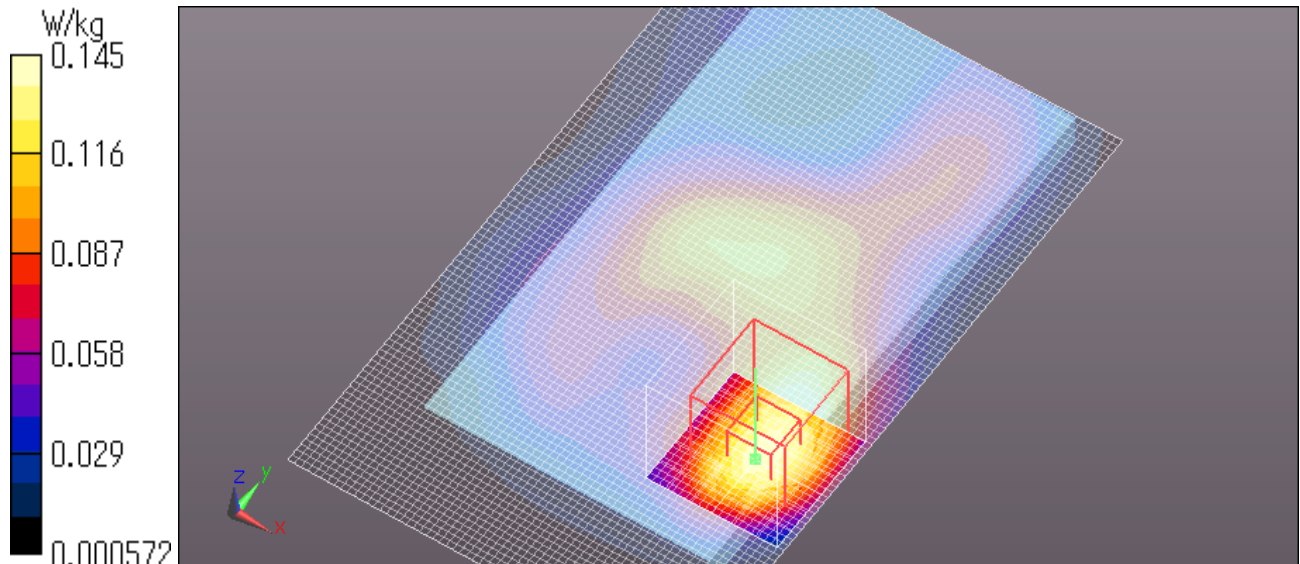
SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.048 W/kg

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

Maximum value of SAR (measured) = 0.145 W/kg

Date: 2012/11/11

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



GT-I9105P WLAN11b 1Mbps Right edge 10mm 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; $\sigma = 1.987$ mho/m; $\epsilon_r = 50.351$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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: DASY52, Version 52.8 (3);

Area Scan (61x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.150 W/kg

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

Reference Value = 5.395 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.131 W/kg

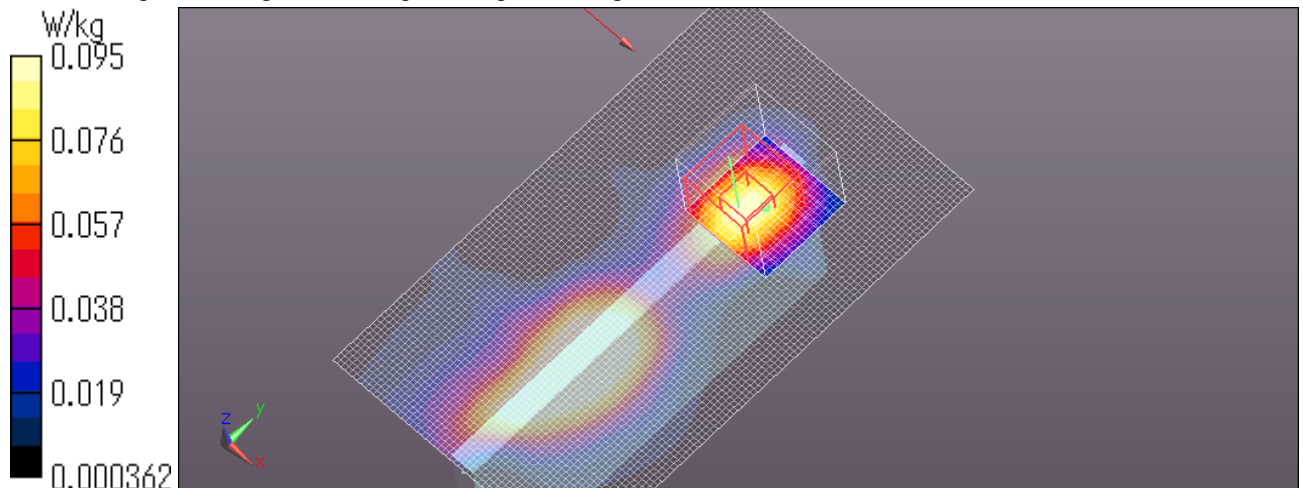
SAR(1 g) = 0.067 W/kg; SAR(10 g) = 0.034 W/kg

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

Maximum value of SAR (measured) = 0.0952 W/kg

Date: 2012/11/11

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



GT-I9105P WLAN 11b 1Mbps Bottom edge 10mm 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; $\sigma = 1.987$ mho/m; $\epsilon_r = 50.351$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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: DASY52, Version 52.8 (3);

Area Scan (61x81x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.0626 W/kg

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

Reference Value = 5.104 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0700 W/kg

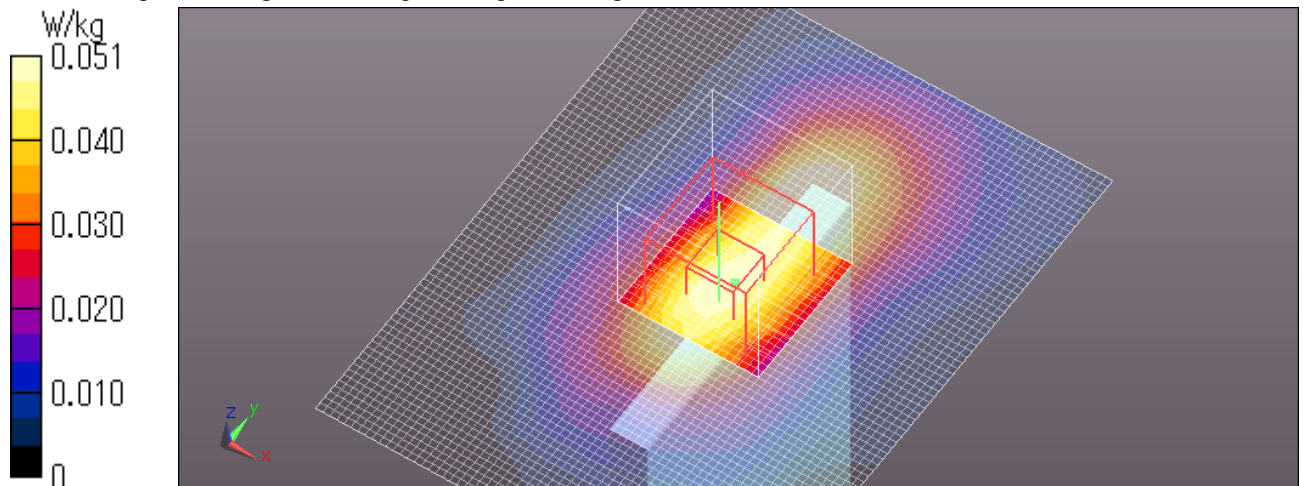
SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.018 W/kg

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

Maximum value of SAR (measured) = 0.0505 W/kg

Date: 2012/11/11

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



xi) **WLAN 5180-5320MHz Head**

GT-I9105P WLAN 11a 6Mbps Left cheek 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.668 \text{ mho/m}$; $\epsilon_r = 35.06$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(5.35, 5.35, 5.35); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 (81x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0685 W/kg

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

Reference Value = 1.015 V/m ; Power Drift = 0.18 dB

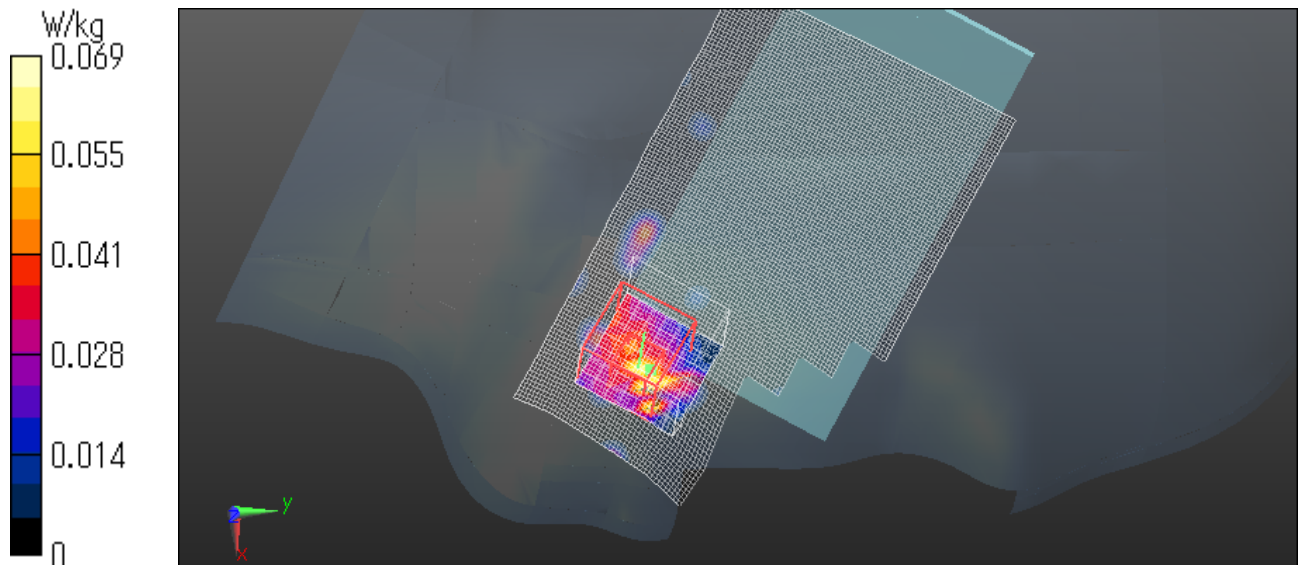
Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.027 W/kg ; SAR(10 g) = 0.010 W/kg

Maximum value of SAR (measured) = 0.0690 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Left tilt 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.668 \text{ mho/m}$; $\epsilon_r = 35.06$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(5.35, 5.35, 5.35); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASYS2, Version 52.8 (3);

Area Scan 2 3 (81x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$
Maximum value of SAR (interpolated) = 0.0401 W/kg

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

Reference Value = 1.023 V/m ; Power Drift = 0.17 dB

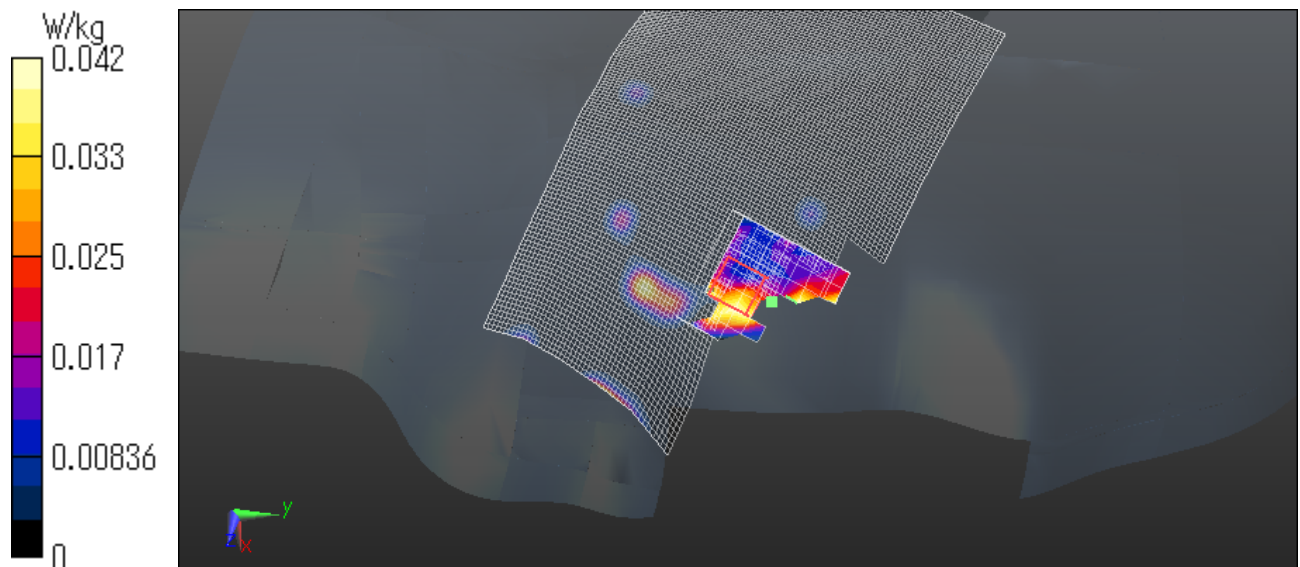
Peak SAR (extrapolated) = 0.150 W/kg

SAR(1 g) = 0.012 W/kg ; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.0418 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Right cheek 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 4.668$ mho/m; $\epsilon_r = 35.06$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(5.35, 5.35, 5.35); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

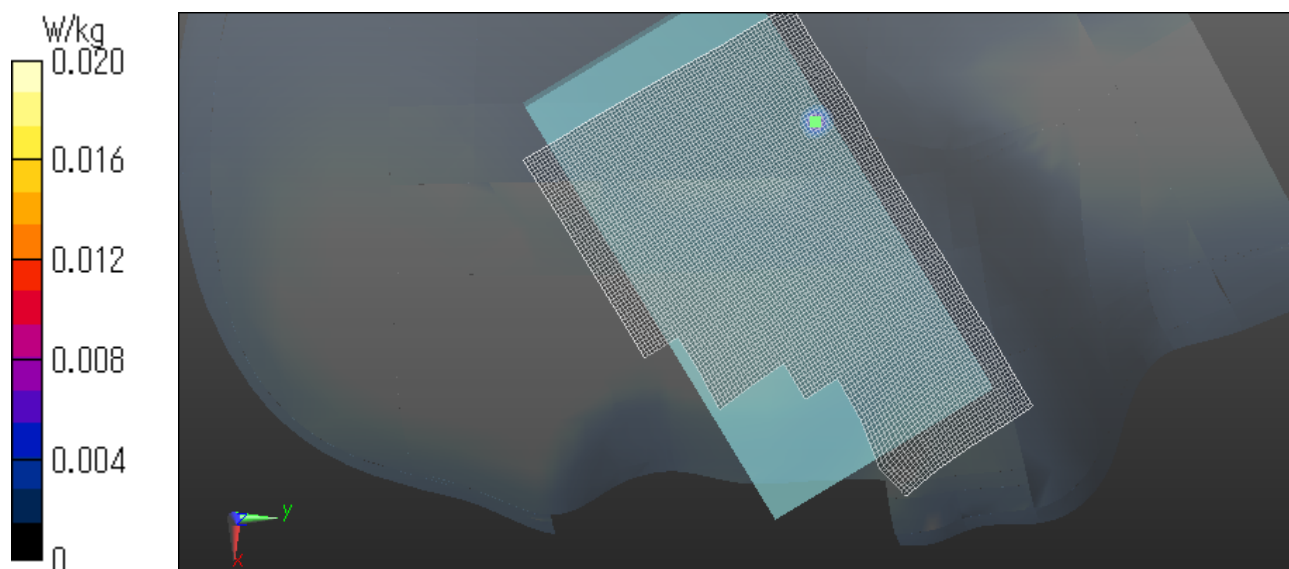
Measurement SW: DASYS2, Version 52.8 (3);

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.00999 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Right tilt 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 4.668 \text{ mho/m}$; $\epsilon_r = 35.06$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(5.35, 5.35, 5.35); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

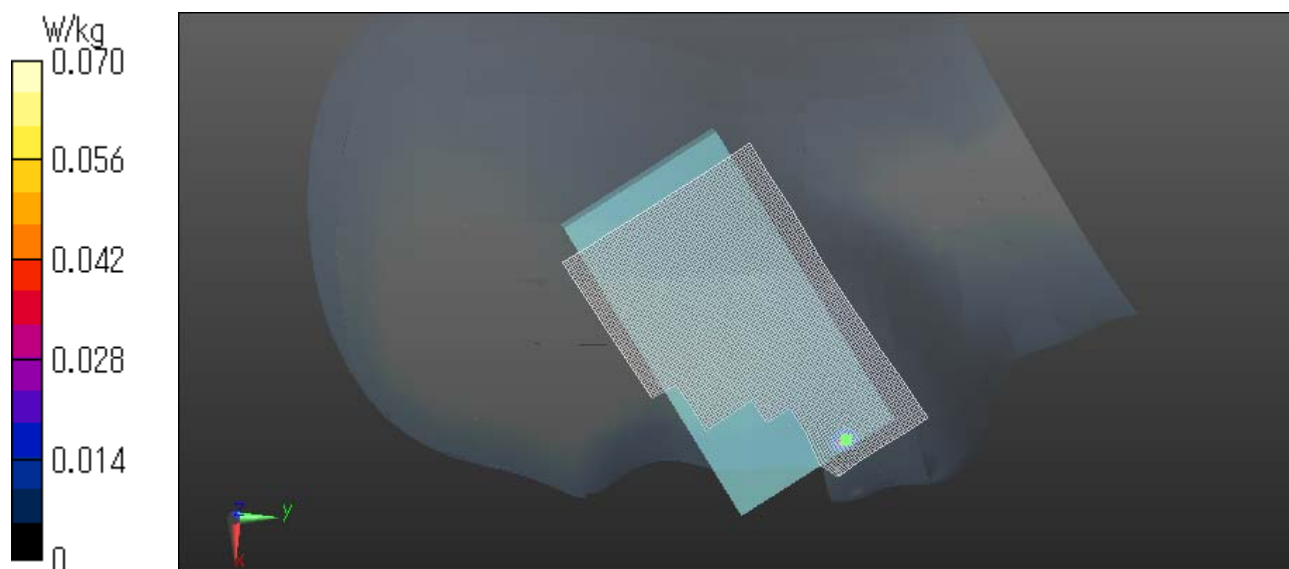
Measurement SW: DASY52, Version 52.8 (3);

Area Scan (81x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0538 W/kg

Date: 2012/11/13

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



xii) WLAN 5500-5700MHz Head

GT-I9105P WLAN 11a 6Mbps Left cheek 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5620 \text{ MHz}$; $\sigma = 5.169 \text{ mho/m}$; $\epsilon_r = 34.256$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.38, 4.38, 4.38); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 (81x121x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.0804 W/kg

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

Reference Value = 0.821 V/m ; Power Drift = 0.13 dB

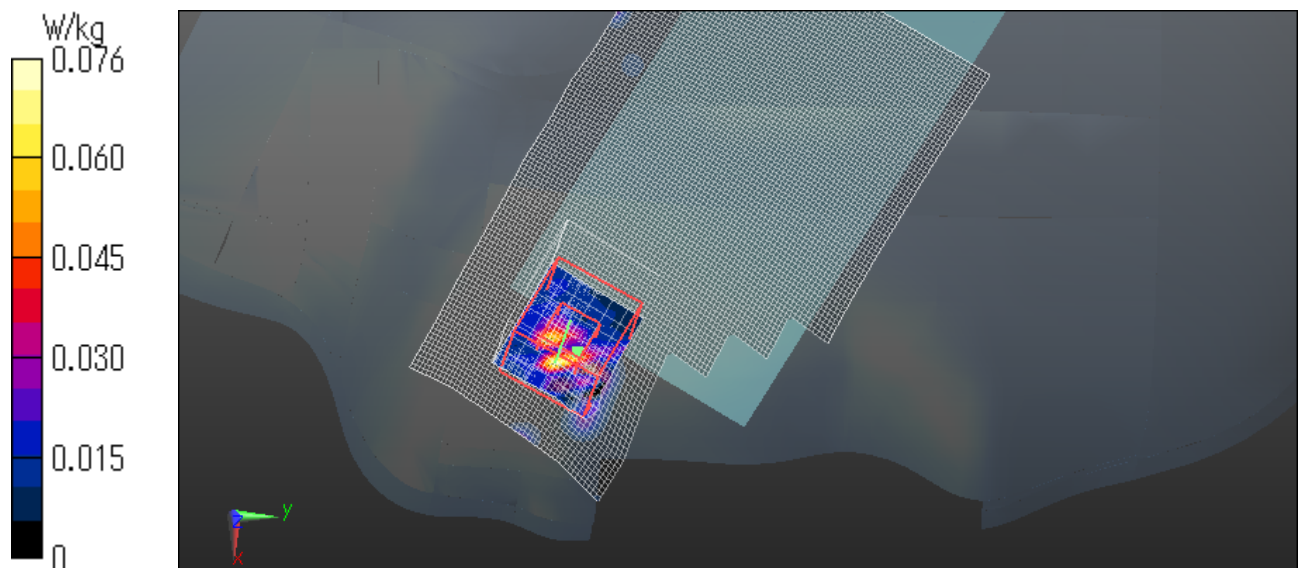
Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.019 W/kg ; SAR(10 g) = 0.00336 W/kg

Maximum value of SAR (measured) = 0.0756 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Left tilt 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5620$ MHz; $\sigma = 5.169$ mho/m; $\epsilon_r = 34.256$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.38, 4.38, 4.38); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0594 W/kg

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

Reference Value = 0.723 V/m; Power Drift = 0.15 dB

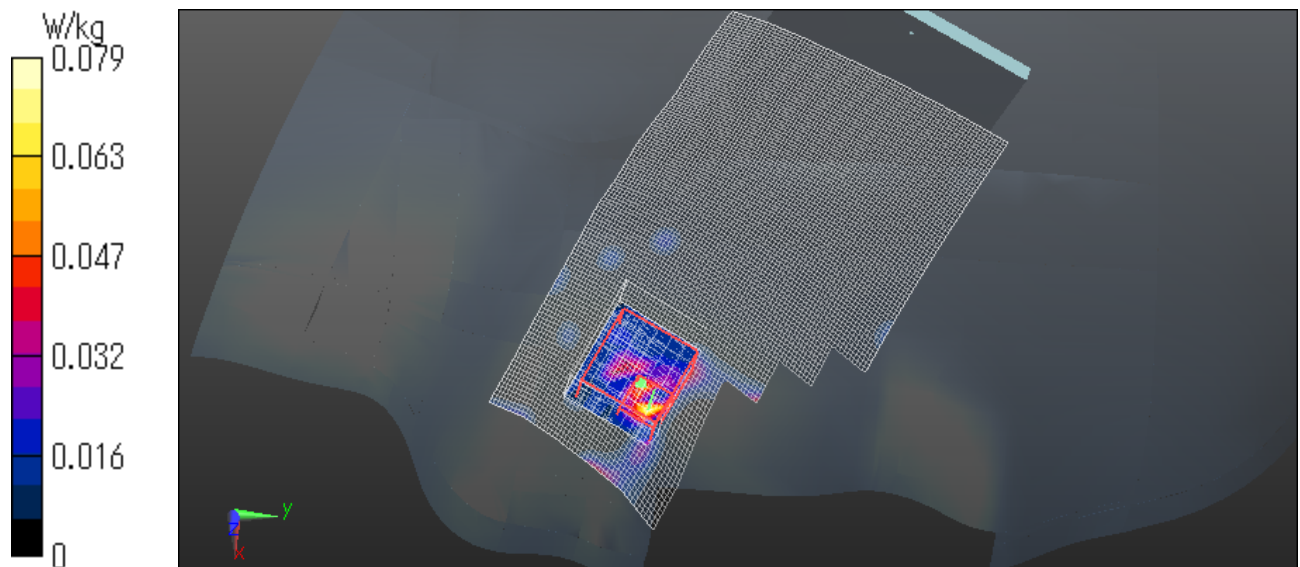
Peak SAR (extrapolated) = 0.222 W/kg

SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00507 W/kg

Maximum value of SAR (measured) = 0.0791 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Right cheek 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 5.169$ mho/m; $\epsilon_r = 34.256$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.38, 4.38, 4.38); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

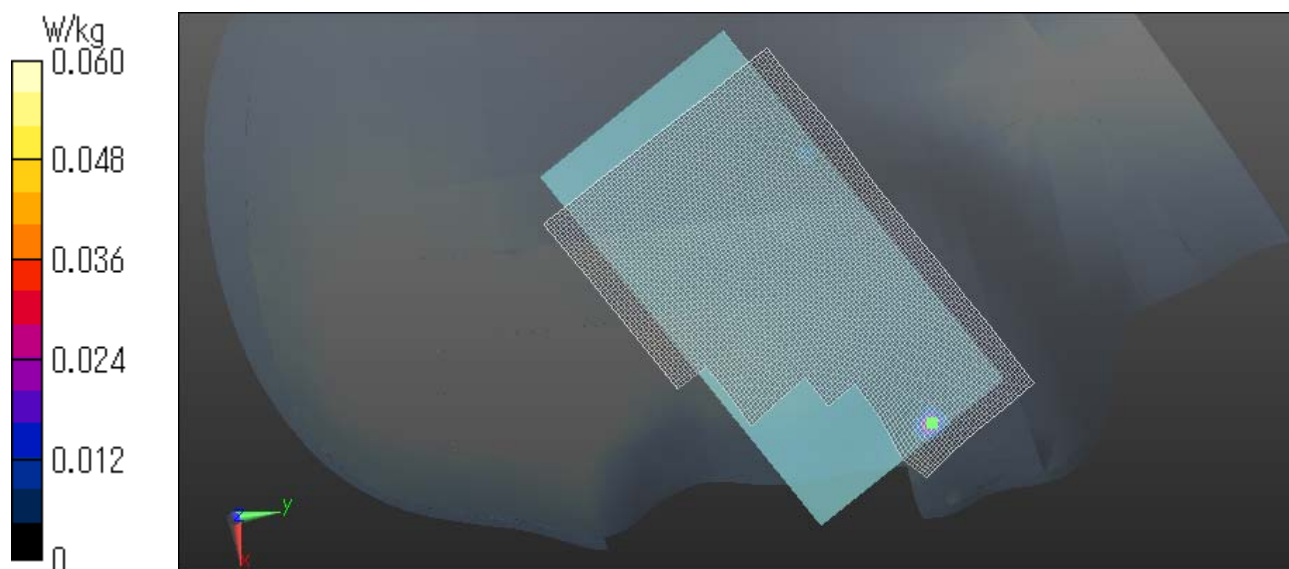
Measurement SW: DASY52, Version 52.8 (3);

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0369 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Right tilt 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 5.169$ mho/m; $\epsilon_r = 34.256$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.38, 4.38, 4.38); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

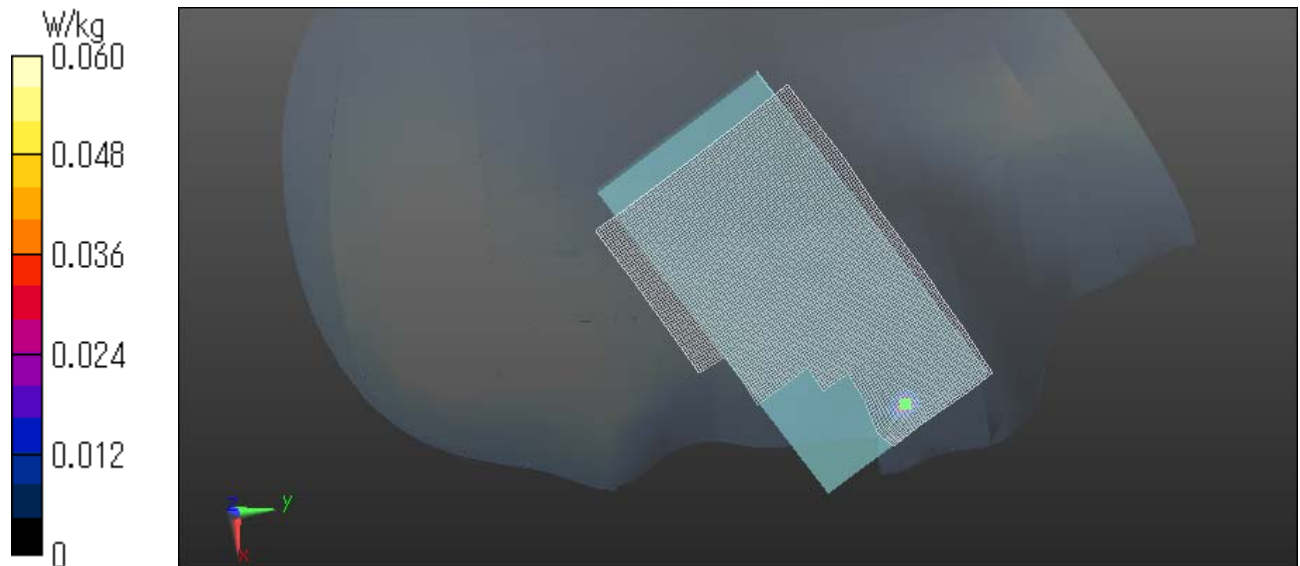
Measurement SW: DASY52, Version 52.8 (3);

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0530 W/kg

Date: 2012/11/13

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



xiii) WLAN 5745-5825MHz Head

GT-I9105P WLAN 11a 6Mbps Left cheek 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; $\sigma = 5.312$ mho/m; $\epsilon_r = 34.036$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 (81x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.107 W/kg

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

Reference Value = 0.611 V/m; Power Drift = 0.11 dB

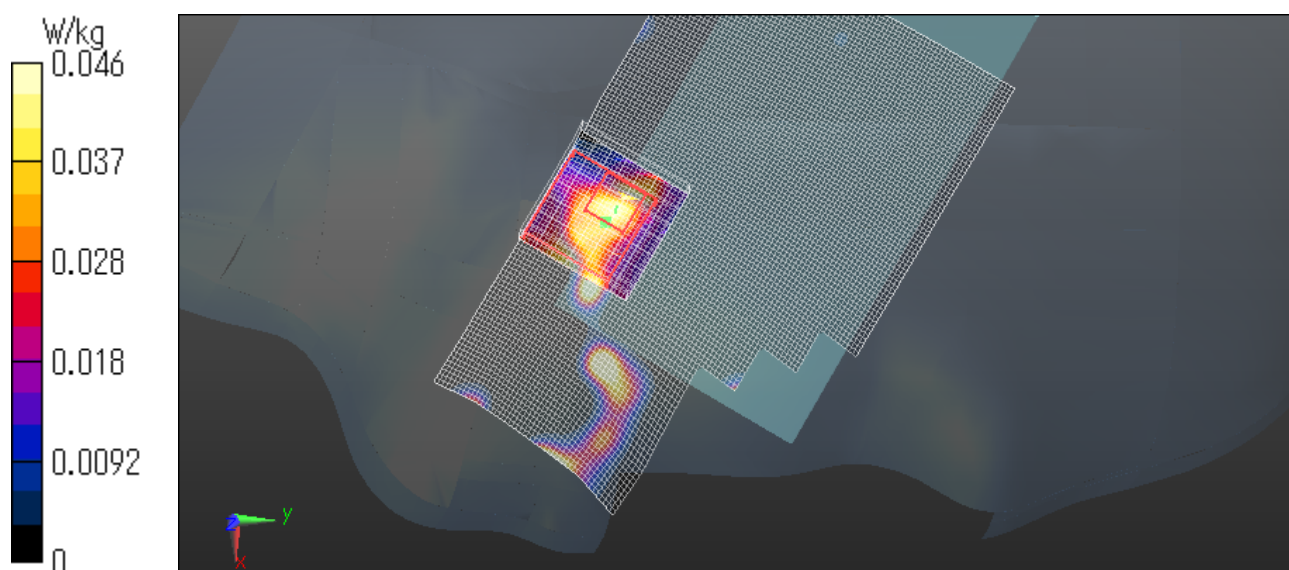
Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00742 W/kg

Maximum value of SAR (measured) = 0.0460 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Left tilt 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; $\sigma = 5.312$ mho/m; $\epsilon_r = 34.036$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASYS2, Version 52.8 (3);

Area Scan 2 3 (81x121x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm
Maximum value of SAR (interpolated) = 0.0588 W/kg

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

Reference Value = 0.538 V/m; Power Drift = 0.13 dB

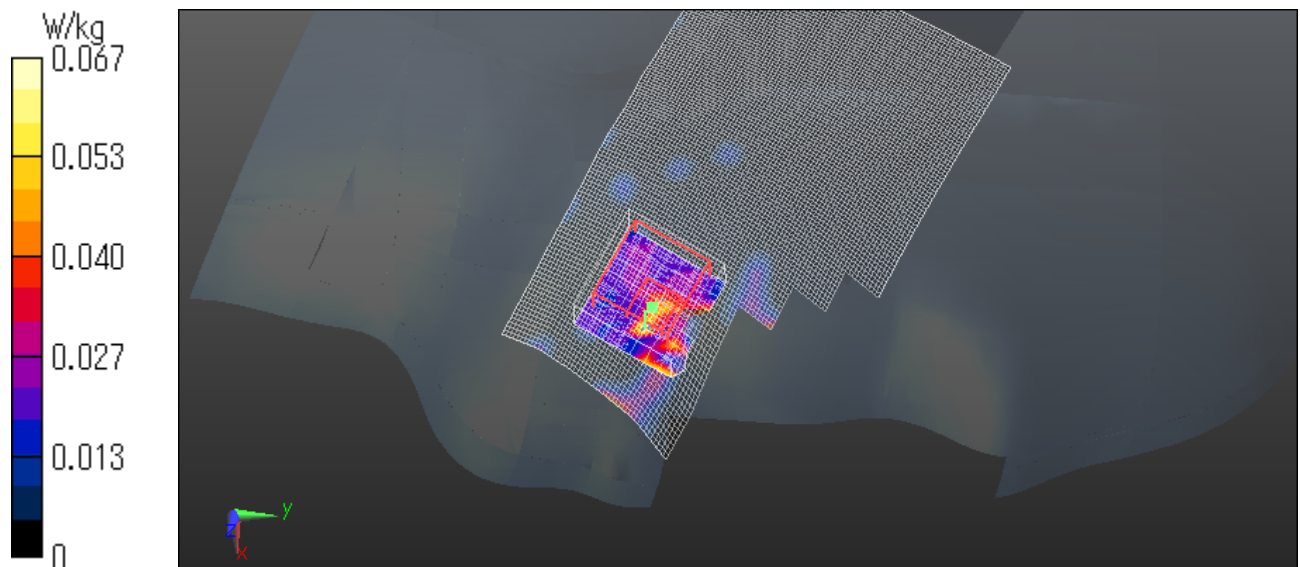
Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.020 W/kg; SAR(10 g) = 0.00712 W/kg

Maximum value of SAR (measured) = 0.0665 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Right cheek 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; $\sigma = 5.312$ mho/m; $\epsilon_r = 34.036$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

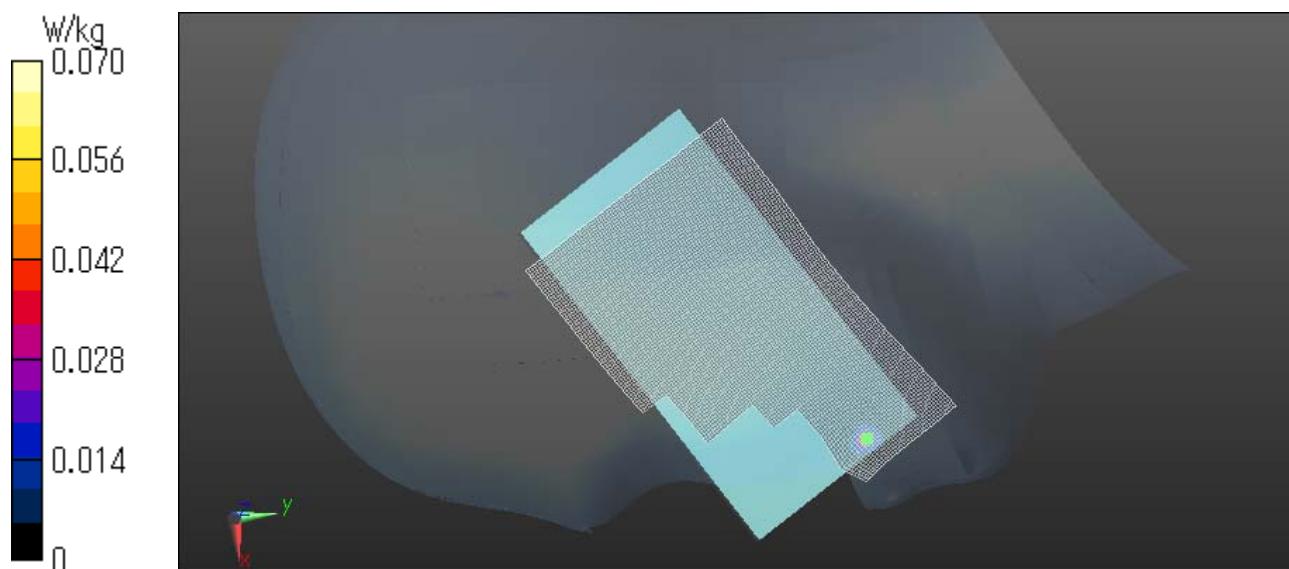
Measurement SW: DASYS2, Version 52.8 (3);

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0562 W/kg

Date: 2012/11/13

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



GT-I9105P WLAN 11a 6Mbps Right tilt 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; $\sigma = 5.312$ mho/m; $\epsilon_r = 34.036$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.48, 4.48, 4.48); Calibrated: 2011/12/16;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

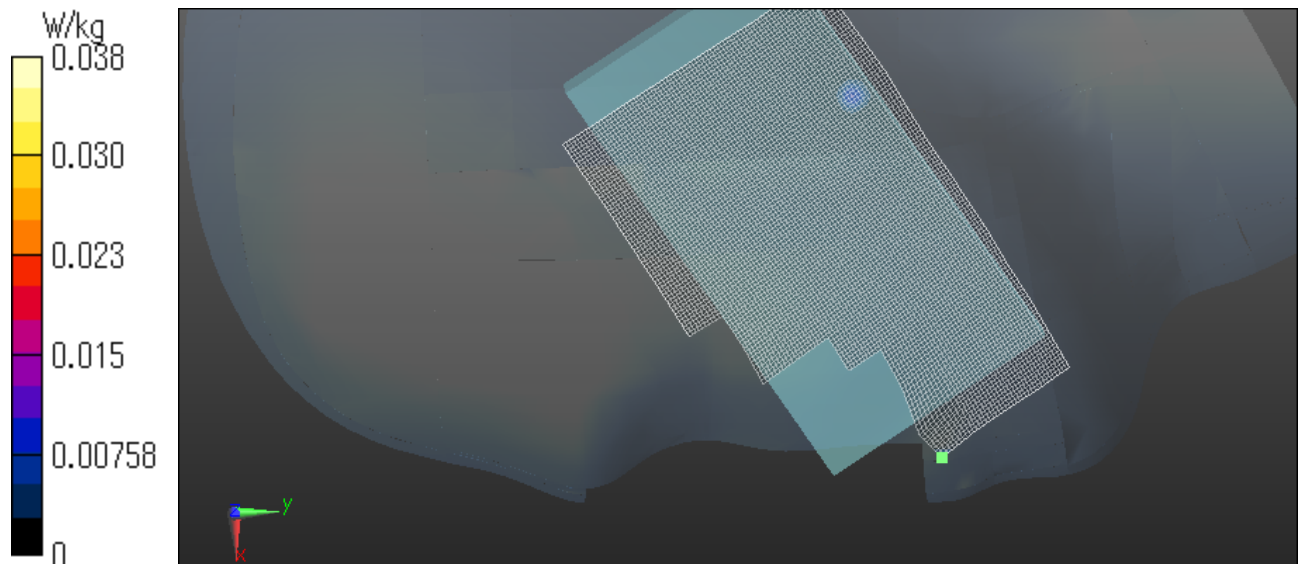
Measurement SW: DASYS2, Version 52.8 (3);

Area Scan (81x121x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0379 W/kg

Date: 2012/11/13

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



xiv) **WLAN 5180-5320MHz Body**

GT-I9105P WLAN 11a 6Mbps Front 10mm 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.401 \text{ mho/m}$; $\epsilon_r = 47.106$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(4.16, 4.16, 4.16); Calibrated: 2012/07/19;

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.110 W/kg

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

Reference Value = 1.139 V/m ; Power Drift = -0.16 dB

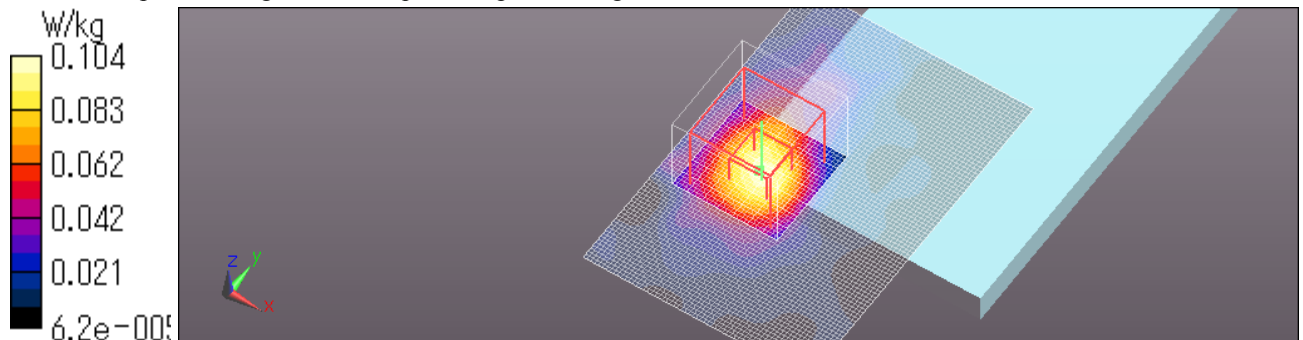
Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.055 W/kg ; SAR(10 g) = 0.023 W/kg

Maximum value of SAR (measured) = 0.104 W/kg

Date: 2012/12/03

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



GT-I9105P WLAN 11a 6Mbps Rear 10mm 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.401 \text{ mho/m}$; $\epsilon_r = 47.106$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(4.16, 4.16, 4.16); Calibrated: 2012/07/19;

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.200 W/kg

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

Reference Value = 1.342 V/m ; Power Drift = -0.19 dB

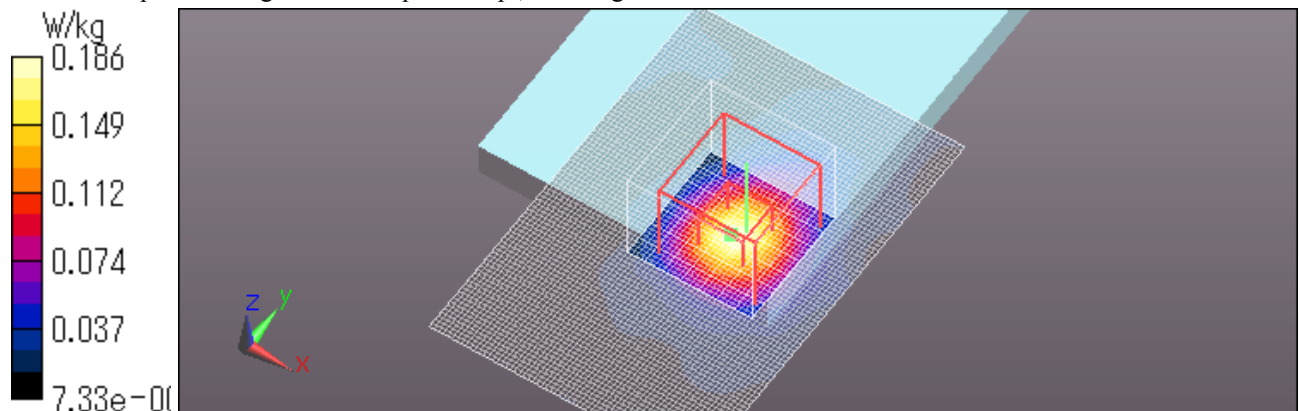
Peak SAR (extrapolated) = 0.422 W/kg

SAR(1 g) = 0.100 W/kg ; SAR(10 g) = 0.035 W/kg

Maximum value of SAR (measured) = 0.186 W/kg

Date: 2012/12/03

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



Z Scan at Maximum Body SAR position in WLAN 5180-5320 band

GT-I9105P WLAN 11a 6Mbps Rear 10mm 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.401 \text{ mho/m}$; $\epsilon_r = 47.106$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(4.16, 4.16, 4.16); Calibrated: 2012/07/19;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

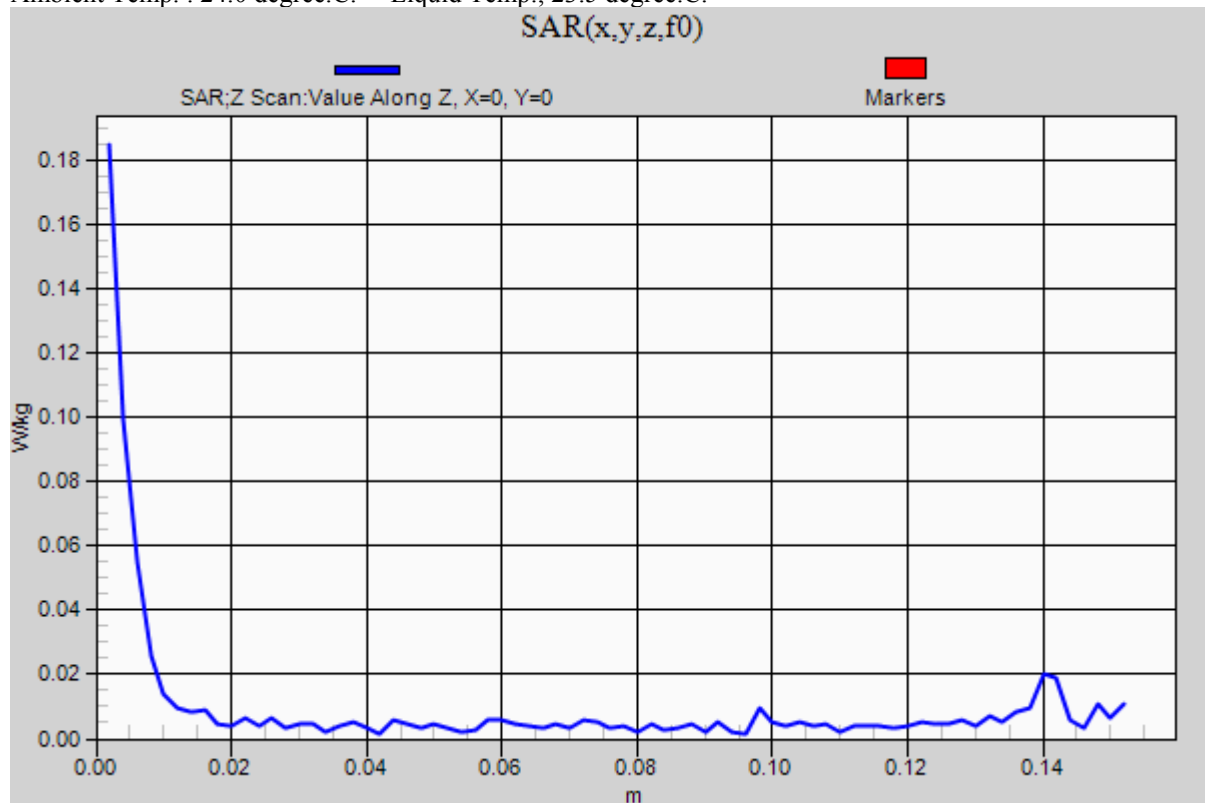
Measurement SW: DASY52, Version 52.8 (3);

Z Scan (1x1x76): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$, $dz=2\text{mm}$

Maximum value of SAR (measured) = 0.185 W/kg

Date: 2012/12/03

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



xv) **WLAN 5500-5700MHz Body**

GT-I9105P WLAN 11a 6Mbps Front 10mm 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5620$ MHz; $\sigma = 6.027$ mho/m; $\epsilon_r = 46.199$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(3.69, 3.69, 3.69); Calibrated: 2012/07/19;

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: $dx=1.000$ mm, $dy=1.000$ mm

Maximum value of SAR (interpolated) = 0.0777 W/kg

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

Reference Value = 1.282 V/m; Power Drift = -0.17 dB

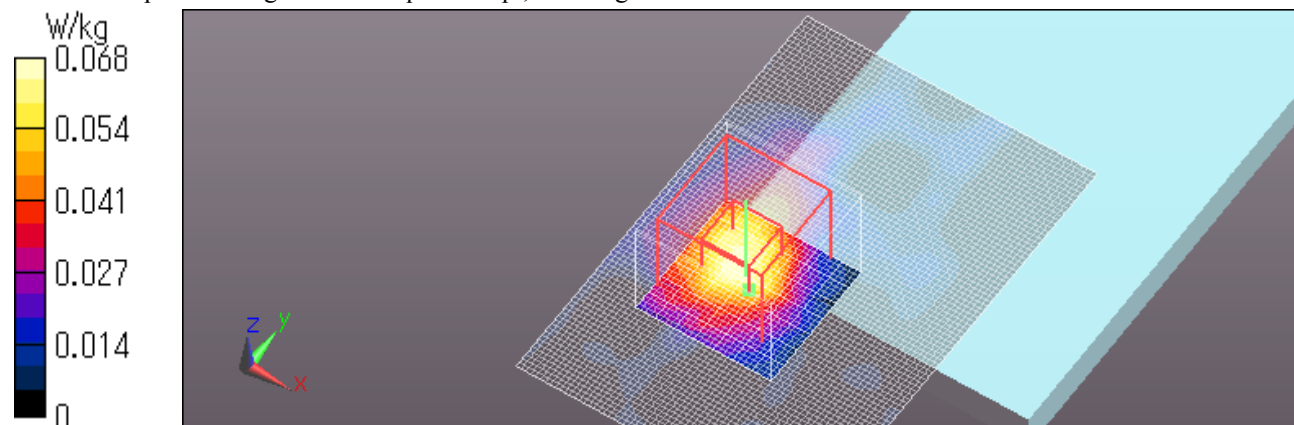
Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0679 W/kg

Date: 2012/12/03

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 5500-5700 band**GT-I9105P WLAN 11a 6Mbps Front 10mm 5620MHz**

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 6.027$ mho/m; $\epsilon_r = 46.199$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(3.69, 3.69, 3.69); Calibrated: 2012/07/19;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

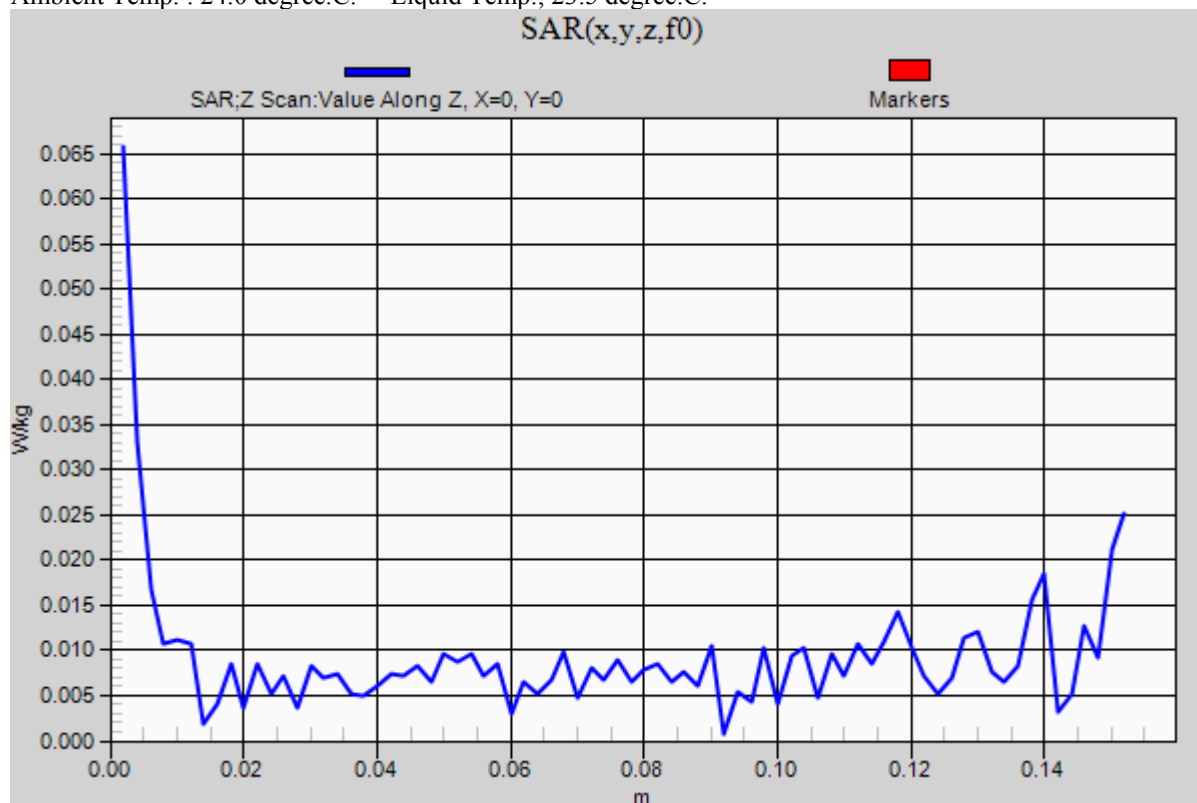
Measurement SW: DASY52, Version 52.8 (3);

Z Scan (1x1x76): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Maximum value of SAR (measured) = 0.0658 W/kg

Date: 2012/12/03

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



GT-I9105P WLAN 11a 6Mbps Rear 10mm 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 6.027$ mho/m; $\epsilon_r = 46.199$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(3.69, 3.69, 3.69); Calibrated: 2012/07/19;

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0759 W/kg

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

Reference Value = 1.109 V/m; Power Drift = -0.15 dB

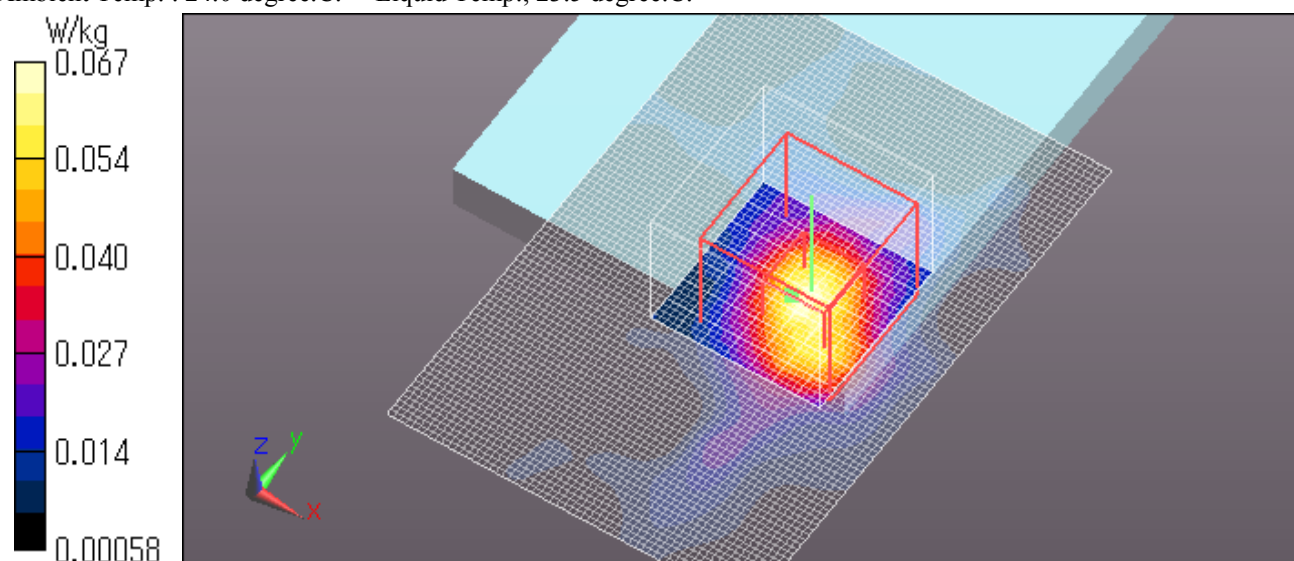
Peak SAR (extrapolated) = 0.134 W/kg

SAR(1 g) = 0.034 W/kg; SAR(10 g) = 0.014 W/kg

Maximum value of SAR (measured) = 0.0669 W/kg

Date: 2012/12/03

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



xvi) **WLAN 5745-5825MHz Body**

GT-I9105P WLAN 11a 6Mbps Front 10mm 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; $\sigma = 6.217$ mho/m; $\epsilon_r = 45.976$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(3.61, 3.61, 3.61); Calibrated: 2012/07/19;

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.148 W/kg

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

Reference Value = 1.321 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.273 W/kg

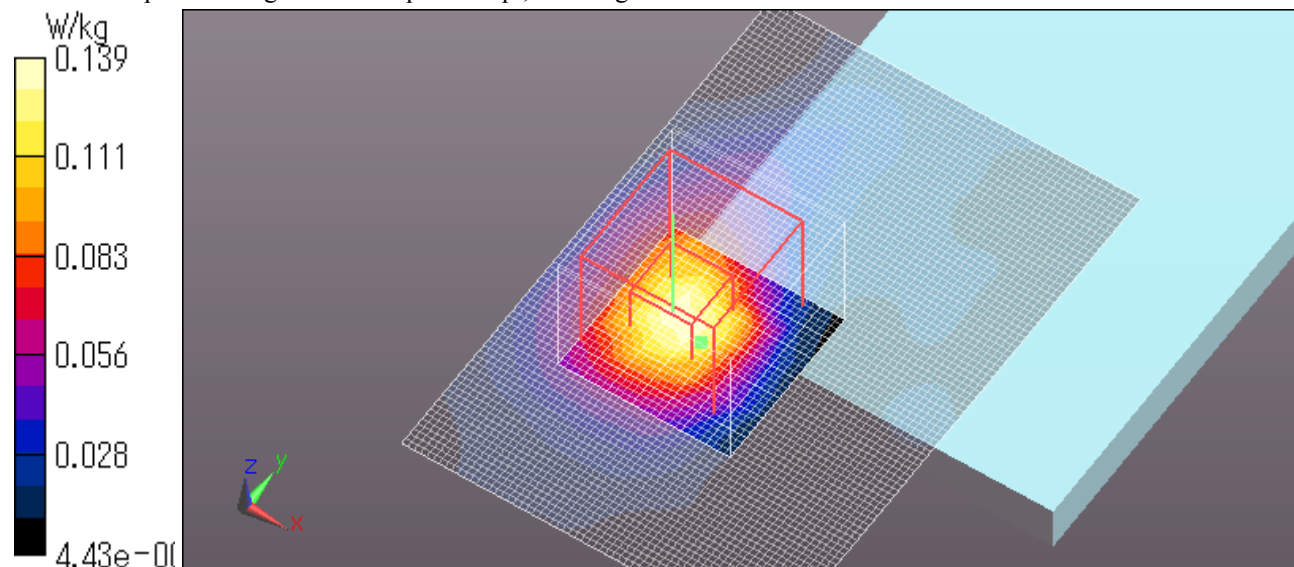
SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.027 W/kg

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

Maximum value of SAR (measured) = 0.139 W/kg

Date: 2012/12/03

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



Z Scan at Maximum Body SAR position in WLAN 5745-5825 band**GT-I9105P WLAN 11a 6Mbps Front 10mm 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; $\sigma = 6.217$ mho/m; $\epsilon_r = 45.976$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(3.61, 3.61, 3.61); Calibrated: 2012/07/19;

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

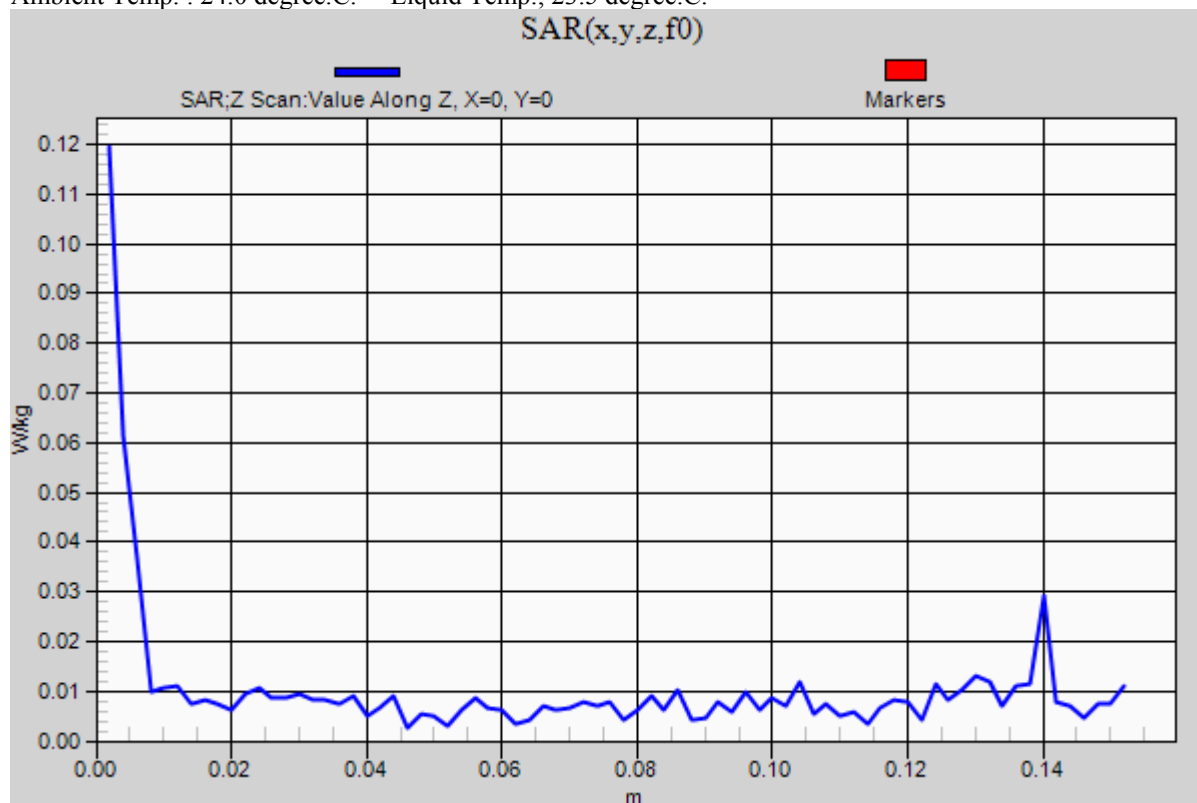
Measurement SW: DASY52, Version 52.8 (3);

Z Scan (1x1x76): Measurement grid: dx=20mm, dy=20mm, dz=2mm[Info: Interpolated medium parameters used for SAR evaluation.](#)

Maximum value of SAR (measured) = 0.120 W/kg

Date: 2012/12/03

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



GT-I9105P WLAN 11a 6Mbps Rear 10mm 5745MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5745 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 5745 \text{ MHz}$; $\sigma = 6.217 \text{ mho/m}$; $\epsilon_r = 45.976$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(3.61, 3.61, 3.61); Calibrated: 2012/07/19;

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.0924 W/kg

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

Reference Value = 1.149 V/m ; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.164 W/kg

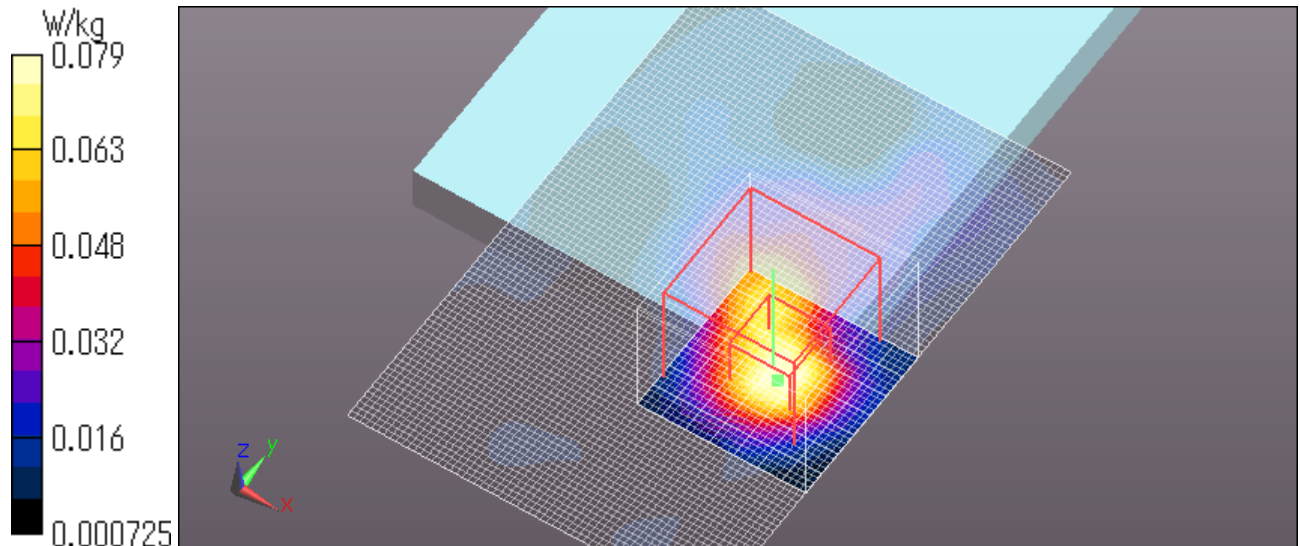
SAR(1 g) = 0.039 W/kg ; SAR(10 g) = 0.015 W/kg

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

Maximum value of SAR (measured) = 0.0791 W/kg

Date: 2012/12/03

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



3. Measurement data of stand alone SAR(Model No.: GT-I9105 (FCC ID: A3LGTI9105))

i) GSM850 Head

GT-I9105 GSM850 EGPRS 4slots Right cheek 836.6MHz

Communication System: GSM850; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.6 MHz; Duty Cycle: 1:2.09991

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.879$ mho/m; $\epsilon_r = 41.219$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(9.5, 9.5, 9.5); Calibrated: 2012/12/10; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 0.0668 W/kg

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

Reference Value = 2.948 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.0710 W/kg

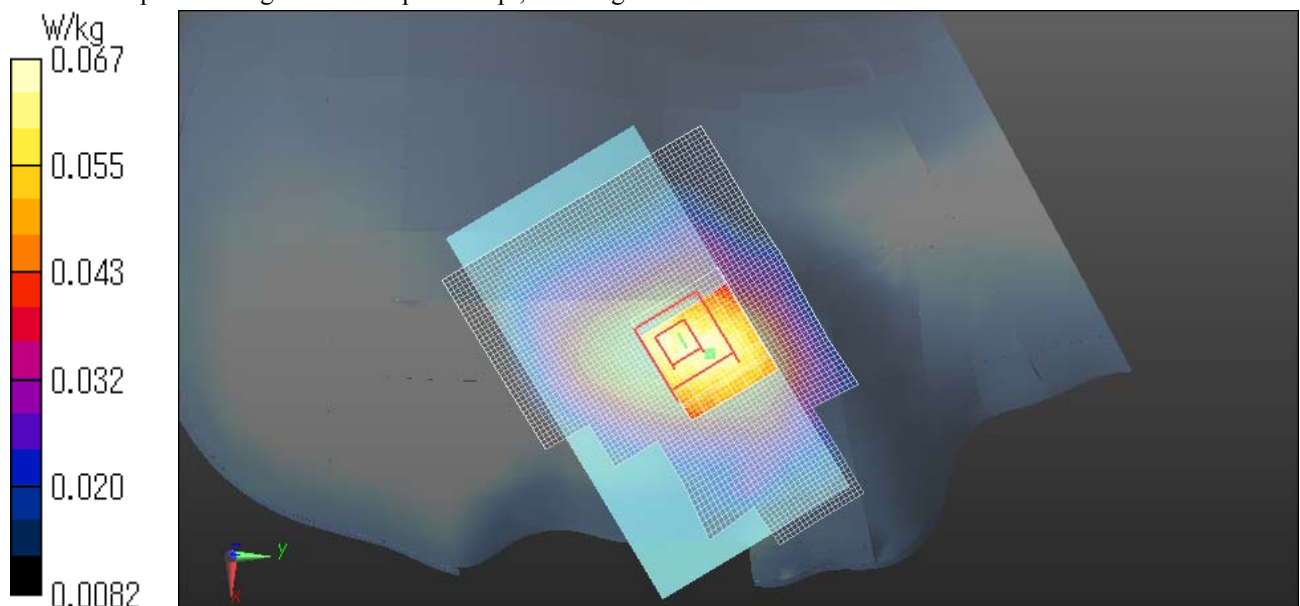
SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.043 W/kg

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

Maximum value of SAR (measured) = 0.0666 W/kg

Date: 2013/01/31

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



ii) GSM850 Body

GT-I9105 GSM850 GPRS 4slots Rear 10mm 836.6MHz

Communication System: GSM850; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.6 MHz; Duty Cycle: 1:2.09991

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 55.519$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(10.24, 10.24, 10.24); Calibrated: 2012/07/19; \${Probe: Calibration Date}

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 (3);

Area Scan 3 (51x101x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.930 W/kg

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

Reference Value = 32.411 V/m; Power Drift = -0.18 dB

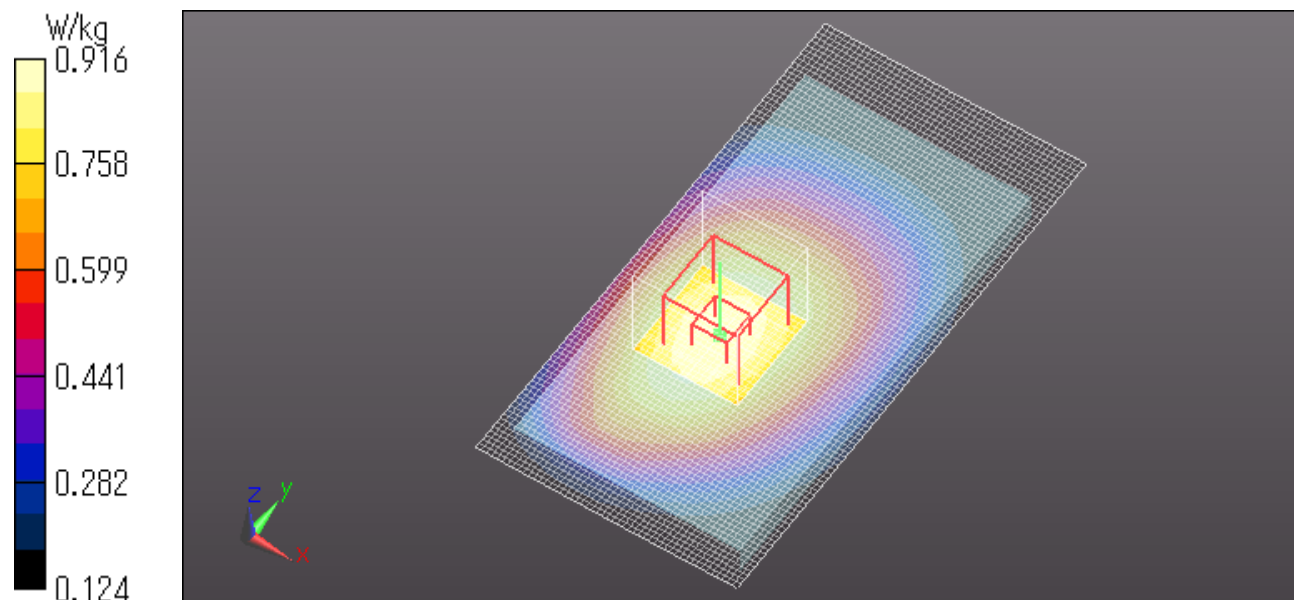
Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.602 W/kg

Maximum value of SAR (measured) = 0.916 W/kg

Date: 2012/12/05

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



Z Scan at Maximum Body SAR position in GSM850 band**GT-I9105 GSM850 GPRS 4slots Rear 10mm 836.6MHz**

Communication System: GSM850; Communication System Band: Exported from older format (data unavailable - please correct).; Frequency: 836.6 MHz; Duty Cycle: 1:2.09991

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 55.519$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF(10.24, 10.24, 10.24); Calibrated: 2012/07/19; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

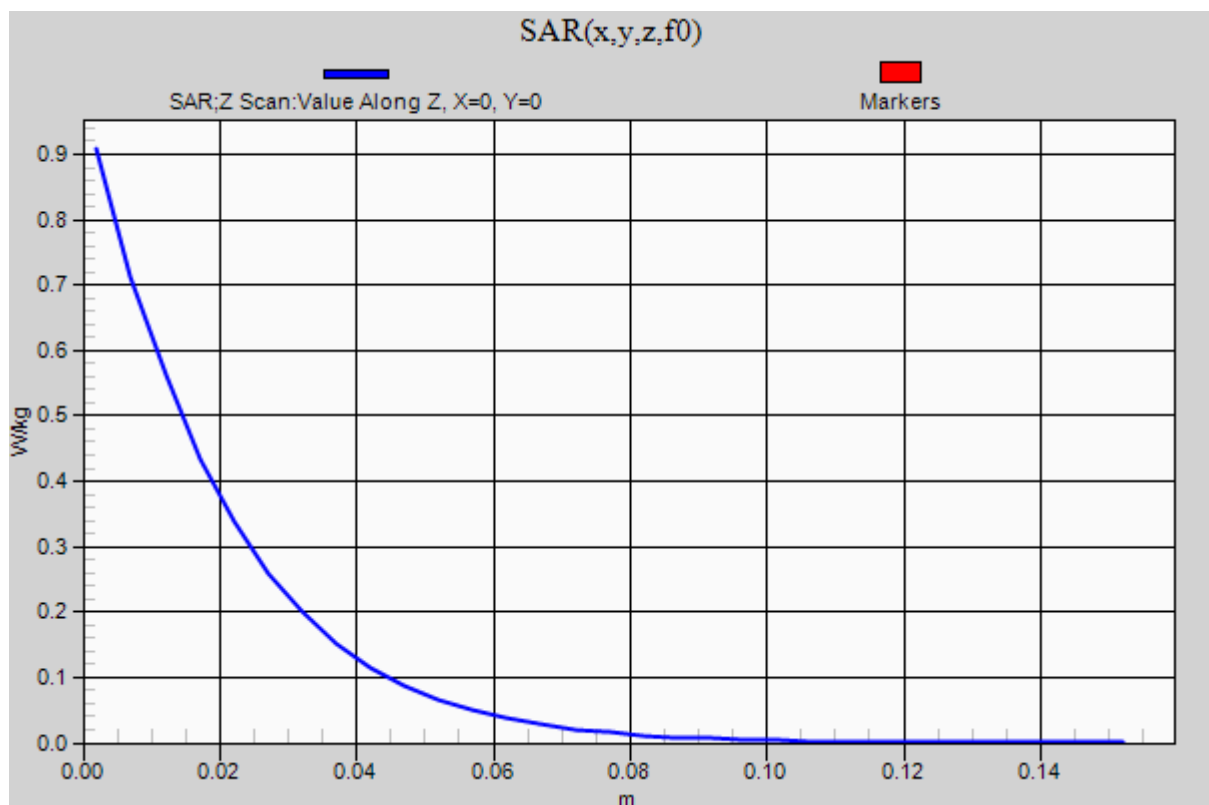
Measurement SW: DASY52, Version 52.8 (3);

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

Maximum value of SAR (measured) = 0.908 W/kg

Date: 2012/12/05

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) WCDMA II Head

GT-19105 WCDMA II 12.2k RMC Left cheek 1880MHz

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1880 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.442$ mho/m; $\epsilon_r = 38.454$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.93, 7.93, 7.93); Calibrated: 2012/12/10; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (61x91x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 0.398 W/kg

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

Reference Value = 2.658 V/m; Power Drift = -0.11 dB

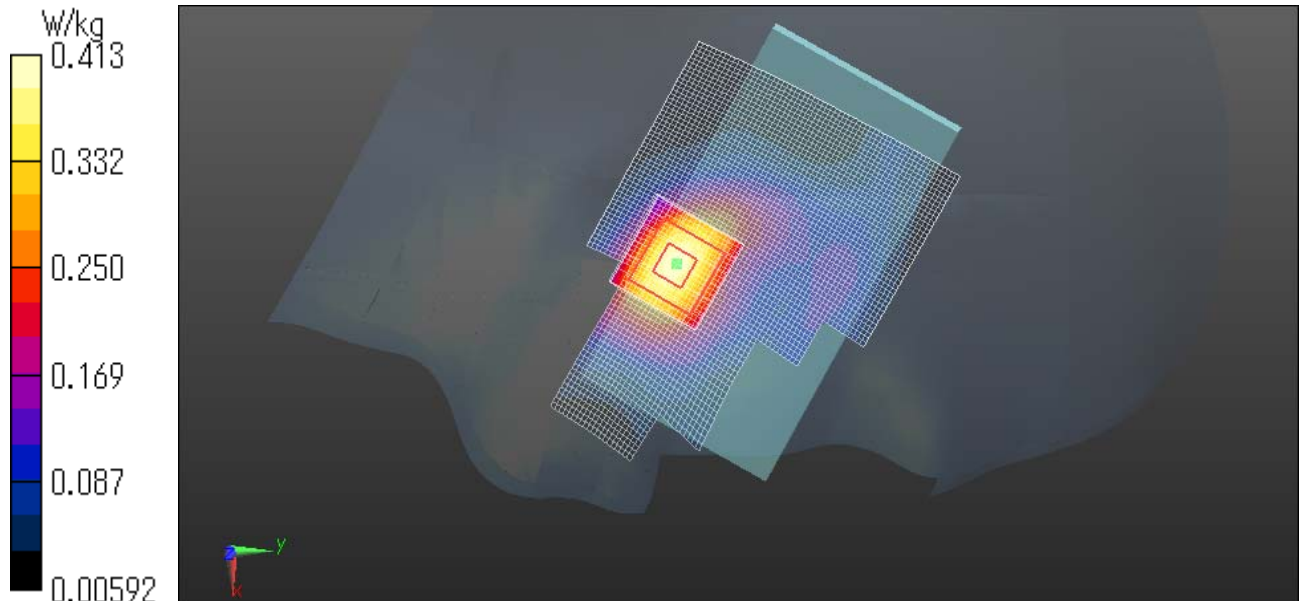
Peak SAR (extrapolated) = 0.504 W/kg

SAR(1 g) = 0.314 W/kg; SAR(10 g) = 0.186 W/kg

Maximum value of SAR (measured) = 0.411 W/kg

Date: 2013/01/31

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



iv) WCDMA II Body

GT-I9105 WCDMA Band II 12.2k RMC Rear 10mm 1852.4MHz

Communication System: WCDMA Band II; Communication System Band: WCDMA II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.004$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF (8.24, 8.24, 8.24); Calibrated: 2012/07/19; $\{\text{Probe: Calibration Date}\}$

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 (3);

Area Scan 3 (51x61x1): Interpolated grid: $dx=1.500$ mm, $dy=1.500$ mm

Maximum value of SAR (interpolated) = 1.36 W/kg

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

Reference Value = 12.500 V/m; Power Drift = -0.19 dB

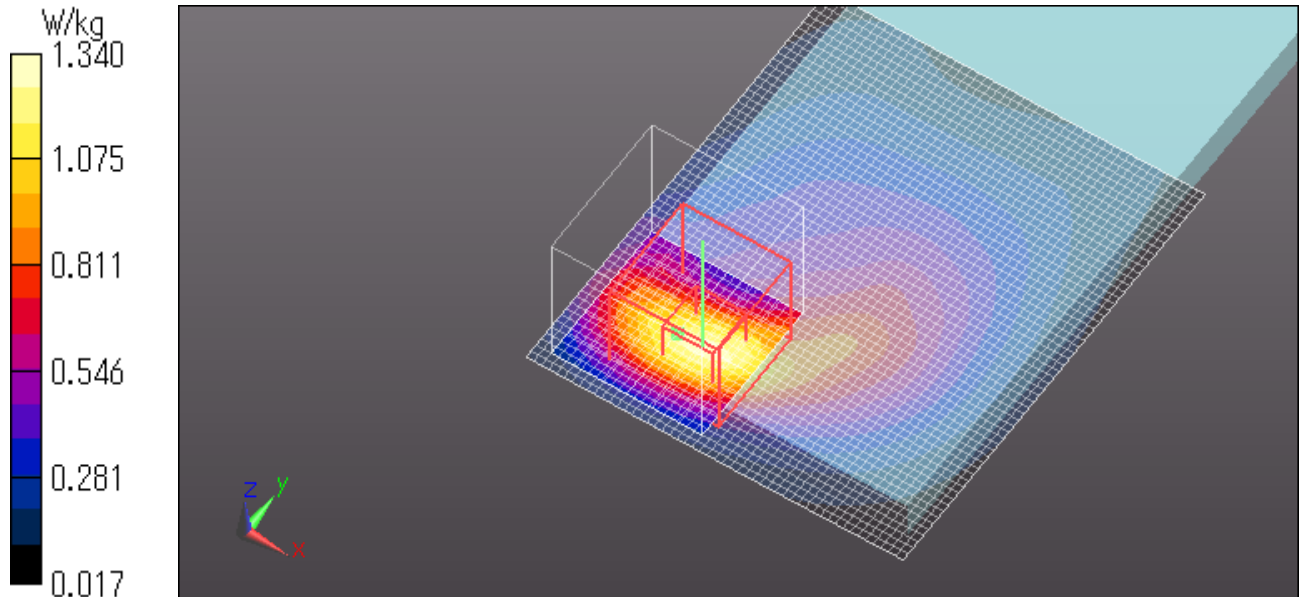
Peak SAR (extrapolated) = 1.68 W/kg

SAR(1 g) = 0.939 W/kg; SAR(10 g) = 0.483 W/kg

Maximum value of SAR (measured) = 1.34 W/kg

Date: 2012/12/03

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



Z Scan at Maximum Body SAR position in WCDMA II band

GT-I9105 WCDMA Band II 12.2k RMC Rear 10mm 1852.4MHz

Communication System: WCDMA Band II; Communication System Band: WCDMA II; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.536$ mho/m; $\epsilon_r = 51.004$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF (8.24, 8.24, 8.24); Calibrated: 2012/07/19; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

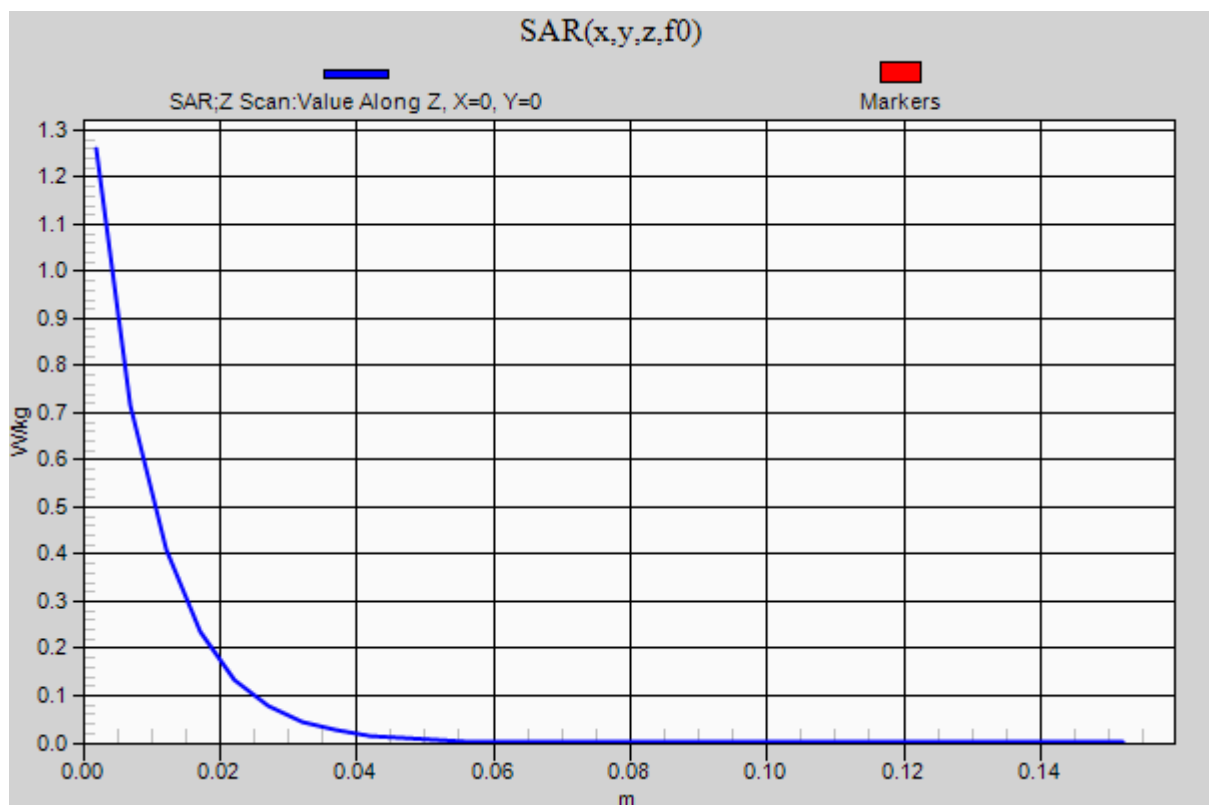
Measurement SW: DASY52, Version 52.8 (3);

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

Maximum value of SAR (measured) = 1.26 W/kg

Date: 2012/12/03

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



GT-I9105 WCDMA II 12.2k RMC Rear 10mm 1850.4MHz Repetition

Communication System: WCDMA Bnad II; Communication System Band: WCDMA II; Frequency: 1852.4 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.541$ mho/m; $\epsilon_r = 51.202$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.59, 7.59, 7.59); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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 (3);

Area Scan 3 (51x61x1): Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

Maximum value of SAR (interpolated) = 1.25 W/kg

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

Reference Value = 10.902 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.65 W/kg

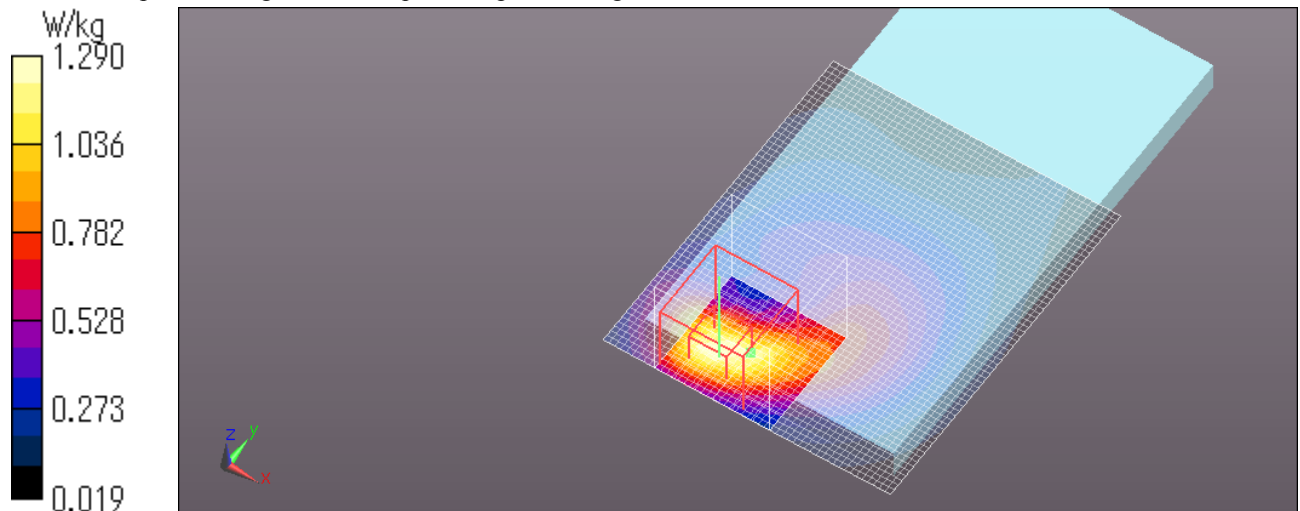
SAR(1 g) = 0.934 W/kg; SAR(10 g) = 0.485 W/kg

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

Maximum value of SAR (measured) = 1.29 W/kg

Date: 2013/01/14

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

v) WLAN 2.4GHz Head

GT-I9105 WLAN 11b 1Mbps Left cheek 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): $f = 2437 \text{ MHz}$; $\sigma = 1.872 \text{ mho/m}$; $\epsilon_r = 37.771$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF (7.62, 7.62, 7.62); Calibrated: 2012/07/19; $\{ \text{Probe: Calibration Date} \}$

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan (81x111x1): Interpolated grid: $dx=1.200 \text{ mm}$, $dy=1.200 \text{ mm}$

Maximum value of SAR (interpolated) = 0.193 W/kg

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

Reference Value = 2.114 V/m ; Power Drift = -0.11 dB

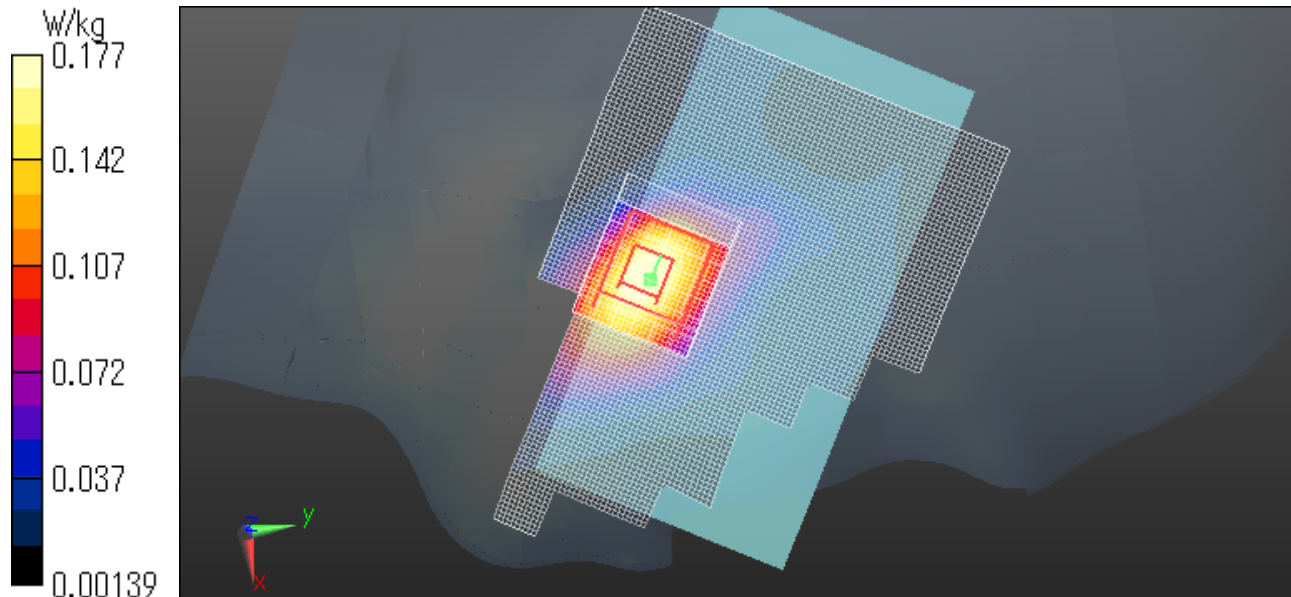
Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.125 W/kg ; SAR(10 g) = 0.064 W/kg

Maximum value of SAR (measured) = 0.177 W/kg

Date: 2012/12/03

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 Head SAR position in WLAN 2.4GHz band**GT-I9105 WLAN 11b 1Mbps Left cheek 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; $\sigma = 1.872$ mho/m; $\epsilon_r = 37.771$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF (7.62, 7.62, 7.62); Calibrated: 2012/07/19; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

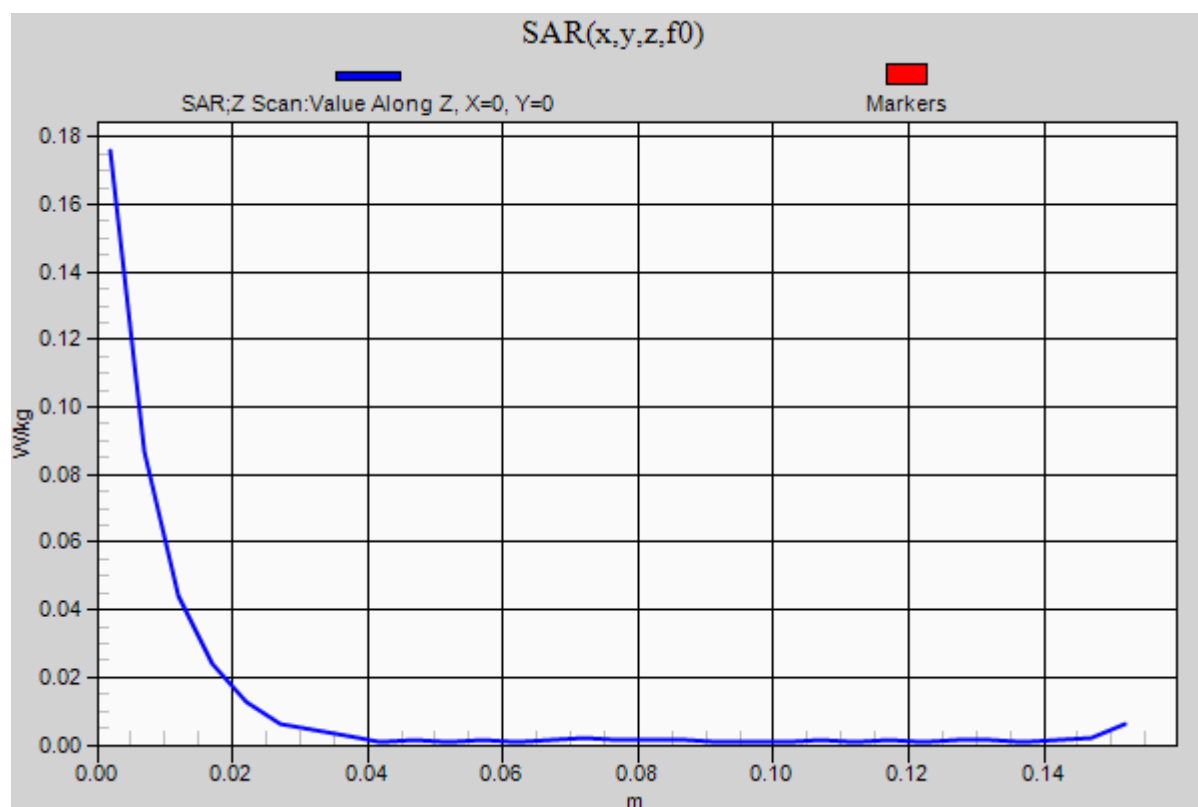
Measurement SW: DASY52, Version 52.8 (3);

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

Maximum value of SAR (measured) = 0.176 W/kg

Date: 2012/12/03

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



vi) **WLAN 2.4GHz Body**

GT-I9105 WLAN 11b 1Mbps Rear 10mm 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; $\sigma = 2.011$ mho/m; $\epsilon_r = 50.902$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(7.33, 7.33, 7.33); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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 (3);

Area Scan (71x121x1): Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

Maximum value of SAR (interpolated) = 0.126 W/kg

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

Reference Value = 5.463 V/m; Power Drift = -0.12 dB

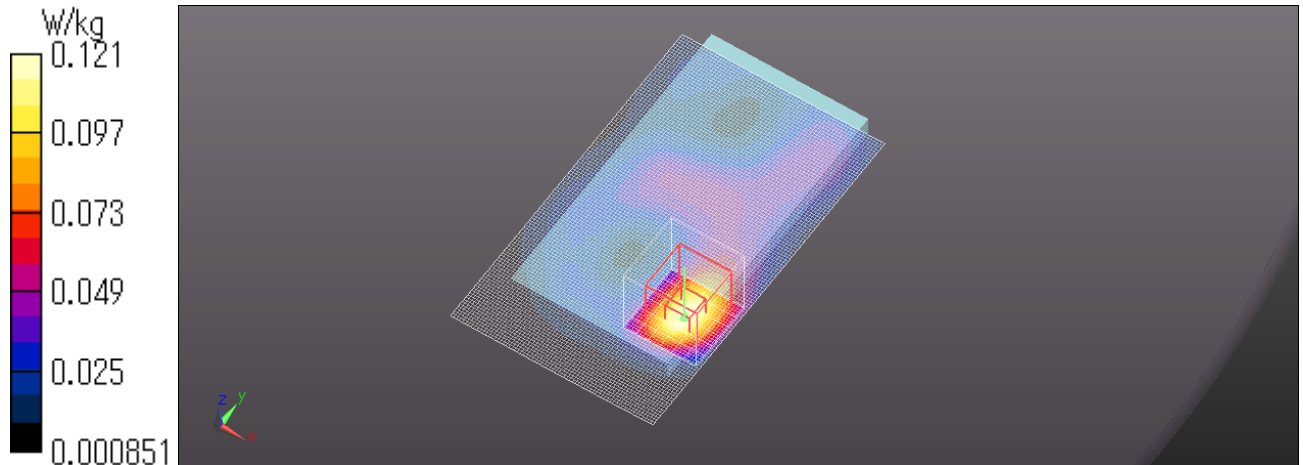
Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.042 W/kg

Maximum value of SAR (measured) = 0.121 W/kg

Date: 2013/01/31

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



vii) WLAN 5180-5320MHz Head

GT-I9105 WLAN 11a 6Mbps Left cheek 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 4.681$ mho/m; $\epsilon_r = 35.118$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(5.39, 5.39, 5.39); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 2 2 2 (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

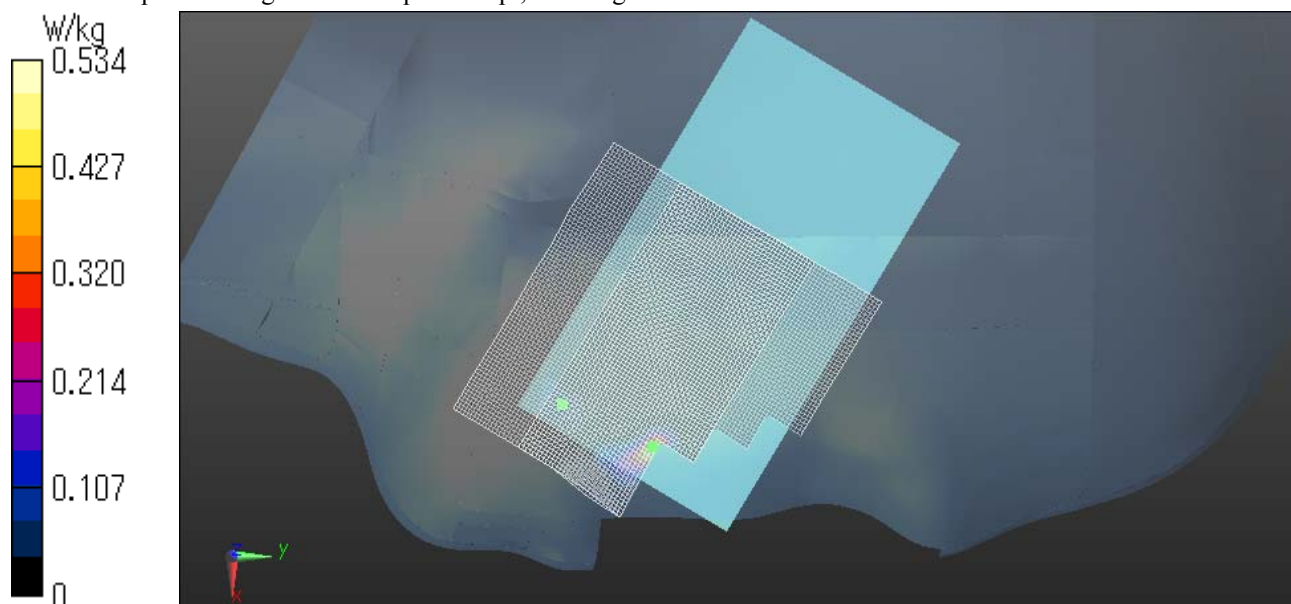
Maximum value of SAR (interpolated) = 0.133 W/kg

Area Scan 2 3 (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.534 W/kg

Date: 2013/02/01

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



GT-I9105P WLAN 11a 6Mbps Front(Top 4mm, Bottom 14mm) 5180MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n ; Frequency: 5180 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5180$ MHz; $\sigma = 4.681$ mho/m; $\epsilon_r = 35.118$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(5.39, 5.39, 5.39); Calibrated: 2012/12/10; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 2 (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.108 W/kg

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

Reference Value = 2.423 V/m; Power Drift = 0.15 dB

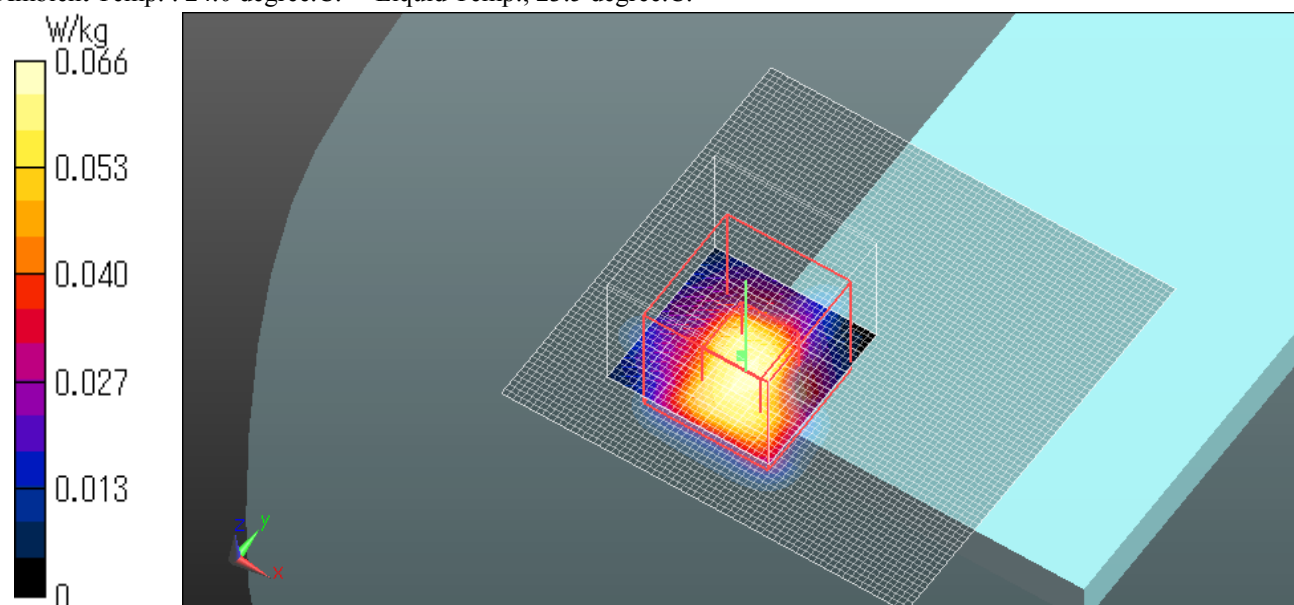
Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.010 W/kg

Maximum value of SAR (measured) = 0.0664 W/kg

Date: 2013/02/01

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



viii) WLAN 5180-5320MHz Body

GT-I9105 WLAN 11a 6Mbps Rear 10mm 5180MHz

Communication System: WLAN 11a/b/g/n; Communication System Band: 11a/n ; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 5180 \text{ MHz}$; $\sigma = 5.401 \text{ mho/m}$; $\epsilon_r = 47.106$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF (4.16, 4.16, 4.16); Calibrated: 2012/07/19; \${Probe: Calibration Date}

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.216 W/kg

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

Reference Value = 1.251 V/m ; Power Drift = -0.05 dB

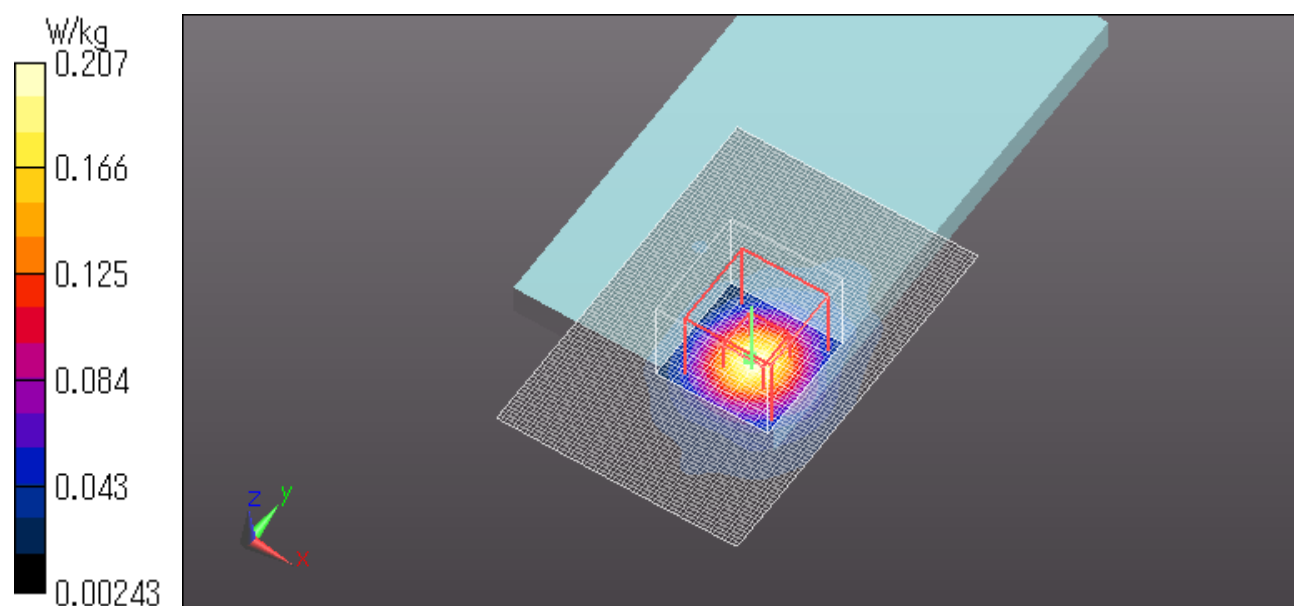
Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.109 W/kg ; SAR(10 g) = 0.039 W/kg

Maximum value of SAR (measured) = 0.207 W/kg

Date: 2012/12/03

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 5180-5320 band**GT-I9105 WLAN 11a 6Mbps Rear 10mm 5180MHz**

Communication System: WLAN 11a/b/g/n; Communication System Band: 11a/n ; Frequency: 5180 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5180$ MHz; $\sigma = 5.401$ mho/m; $\epsilon_r = 47.106$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3540; ConvF (4.16, 4.16, 4.16); Calibrated: 2012/07/19; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

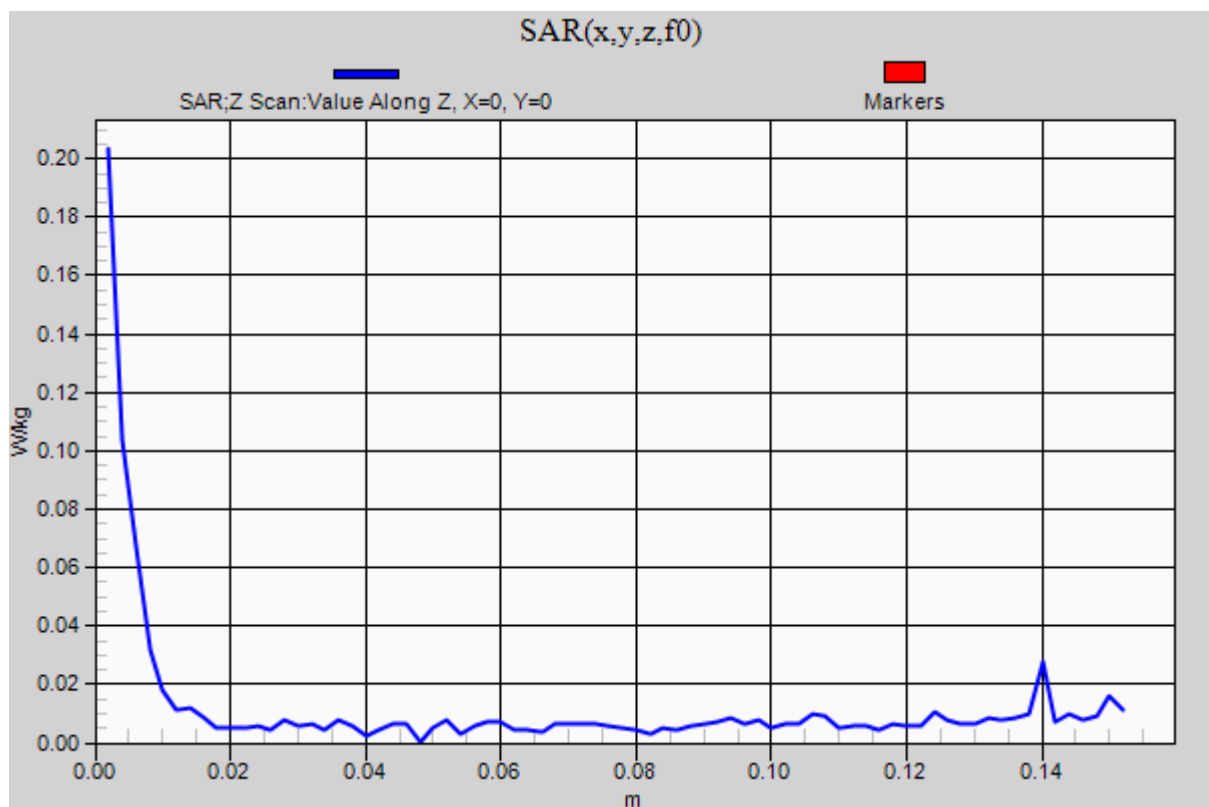
Measurement SW: DASY52, Version 52.8 (3);

Z Scan (1x1x76): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Maximum value of SAR (measured) = 0.203 W/kg

Date: 2012/12/03

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

ix) **WLAN 5500-5700MHz Head**

GT-I9105 WLAN 11a 6Mbps Left cheek 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 5.183$ mho/m; $\epsilon_r = 34.314$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.68, 4.68, 4.68); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 2 2 2 (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

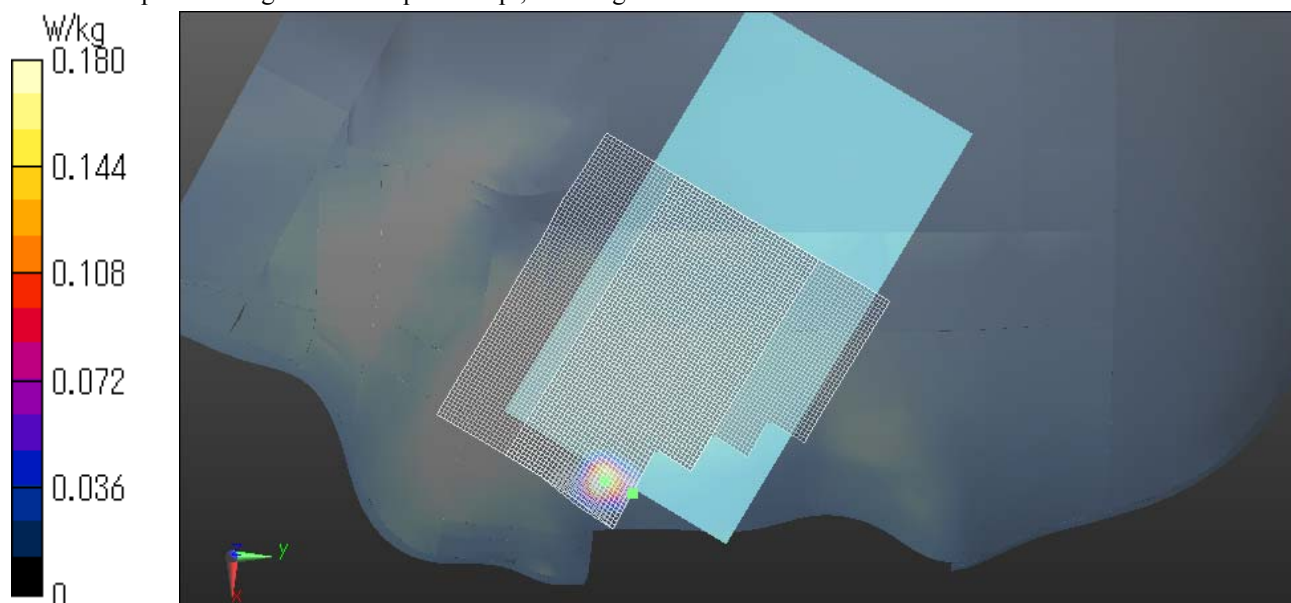
Maximum value of SAR (interpolated) = 0.220 W/kg

Area Scan 2 3 2 2 2 (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.180 W/kg

Date: 2013/02/01

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



GT-I9105P WLAN 11a 6Mbps Front(Top 4mm, Bottom 14mm) 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz;Duty Cycle: 1:1

Medium parameters used: $f = 5620$ MHz; $\sigma = 5.183$ mho/m; $\epsilon_r = 34.314$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.68, 4.68, 4.68); Calibrated: 2012/12/10; {Probe: Calibration Date}

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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 2 (71x71x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0784 W/kg

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

Reference Value = 2.131 V/m; Power Drift = 0.17 dB

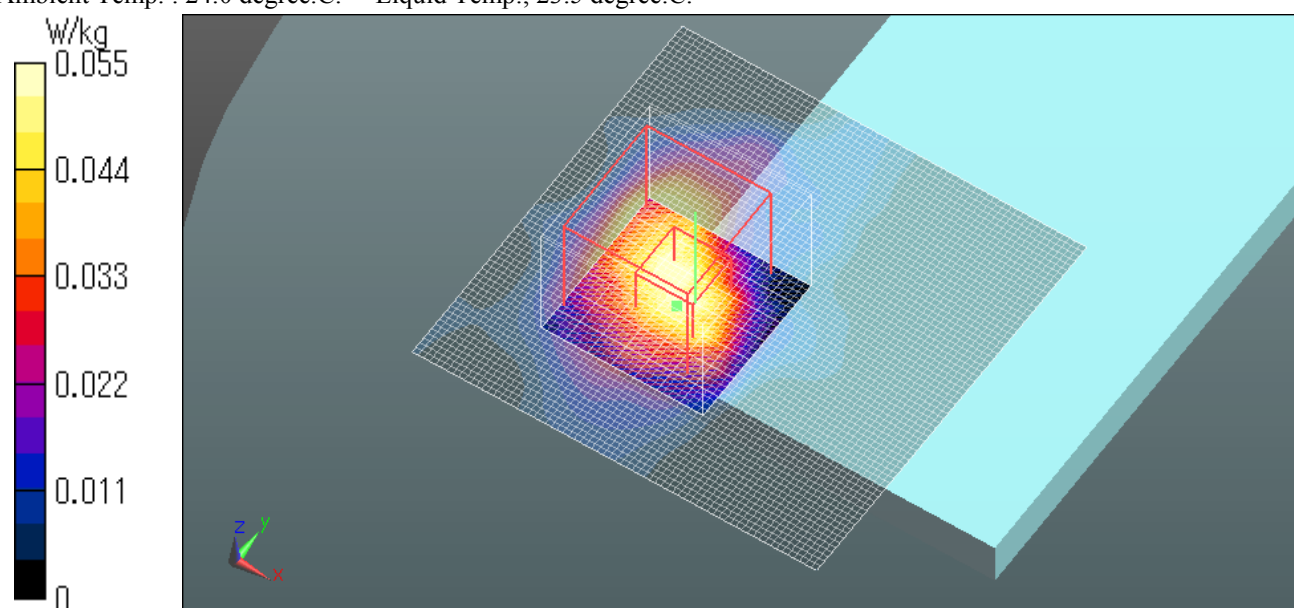
Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.024 W/kg; SAR(10 g) = 0.00819 W/kg

Maximum value of SAR (measured) = 0.0547 W/kg

Date: 2013/02/01

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



x) **WLAN 5500-5700MHz Body**

GT-I9105 WLAN 11a 6Mbps Front 10mm 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 6.024$ mho/m; $\epsilon_r = 46.255$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.85, 3.85, 3.85); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.136 W/kg

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

Reference Value = 3.114 V/m; Power Drift = -0.10 dB

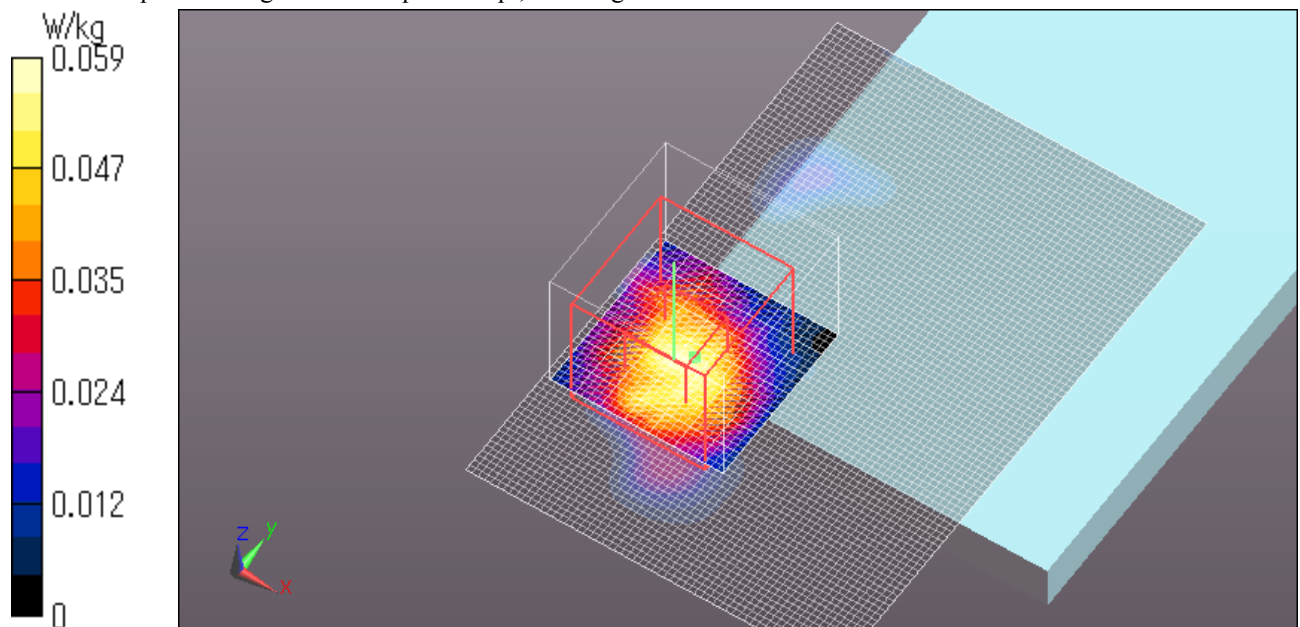
Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.00937 W/kg

Maximum value of SAR (measured) = 0.0590 W/kg

Date: 2013/01/21

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



Z Scan at Maximum Body SAR position in WLAN 5500-5700 band

GT-I9105 WLAN 11a 6Mbps Front 10mm 5620MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5620 MHz;Duty Cycle: 1:1
Medium parameters used: $f = 5620$ MHz; $\sigma = 6.024$ mho/m; $\epsilon_r = 46.255$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(3.85, 3.85, 3.85); Calibrated: 2012/12/10; \${Probe: Calibration Date}

Sensor-Surface: 2mm (Mechanical Surface Detection)

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

Phantom: ELI 4.0; Type: QDOVA001BA;

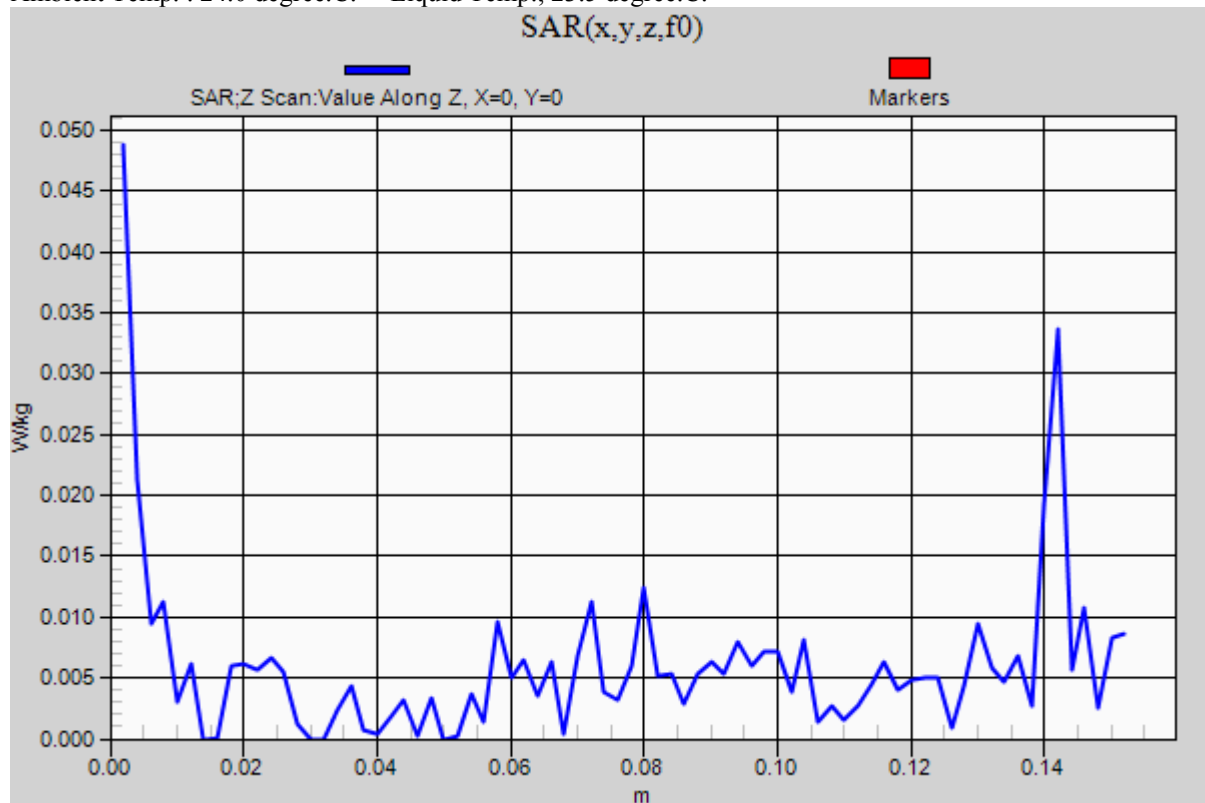
Measurement SW: DASY52, Version 52.8 (3);

Z Scan (1x1x76): Measurement grid: dx=20mm, dy=20mm, dz=2mm

Maximum value of SAR (measured) = 0.0488 W/kg

Date: 2013/01/21

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



xi) WLAN 5745-5825MHz Head

GT-I9105 WLAN 11a 6Mbps Left cheek 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; $\sigma = 5.326$ mho/m; $\epsilon_r = 34.094$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.84, 4.84, 4.84); Calibrated: 2012/12/10; {Probe: Calibration Date}

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

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

Phantom: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 3 2 2 2 (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.00994 W/kg

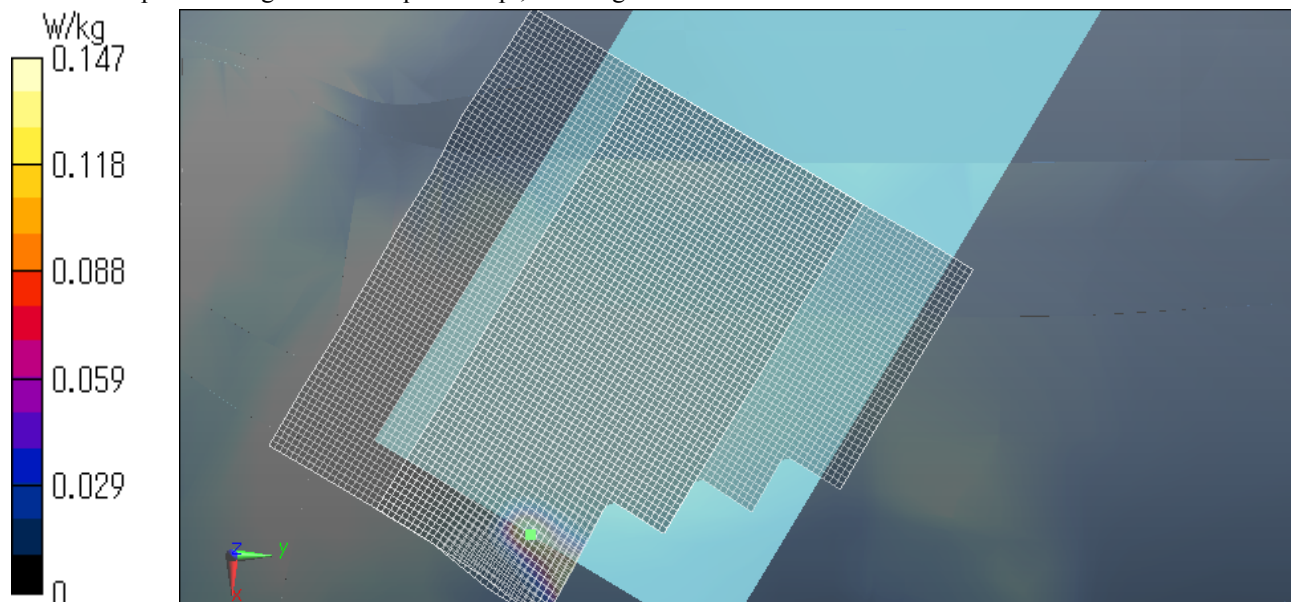
Area Scan 2 3 2 2 2 (61x81x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.147 W/kg

Date: 2013/02/01

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



GT-I9105P WLAN 11a 6Mbps Front(Top 4mm, Bottom 14mm) 5745MHz

Communication System: WLAN 11a/b/g/n ; Communication System Band: 11a/n; Frequency: 5745 MHz;Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 5745 \text{ MHz}$; $\sigma = 5.326 \text{ mho/m}$; $\epsilon_r = 34.094$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.84, 4.84, 4.84); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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: SAM with CRP; Type: SAM;

Measurement SW: DASY52, Version 52.8 (3);

Area Scan 2 2 (71x71x1): Interpolated grid: $dx=1.000 \text{ mm}$, $dy=1.000 \text{ mm}$

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

Maximum value of SAR (interpolated) = 0.0964 W/kg

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

Reference Value = 2.381 V/m ; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.184 W/kg

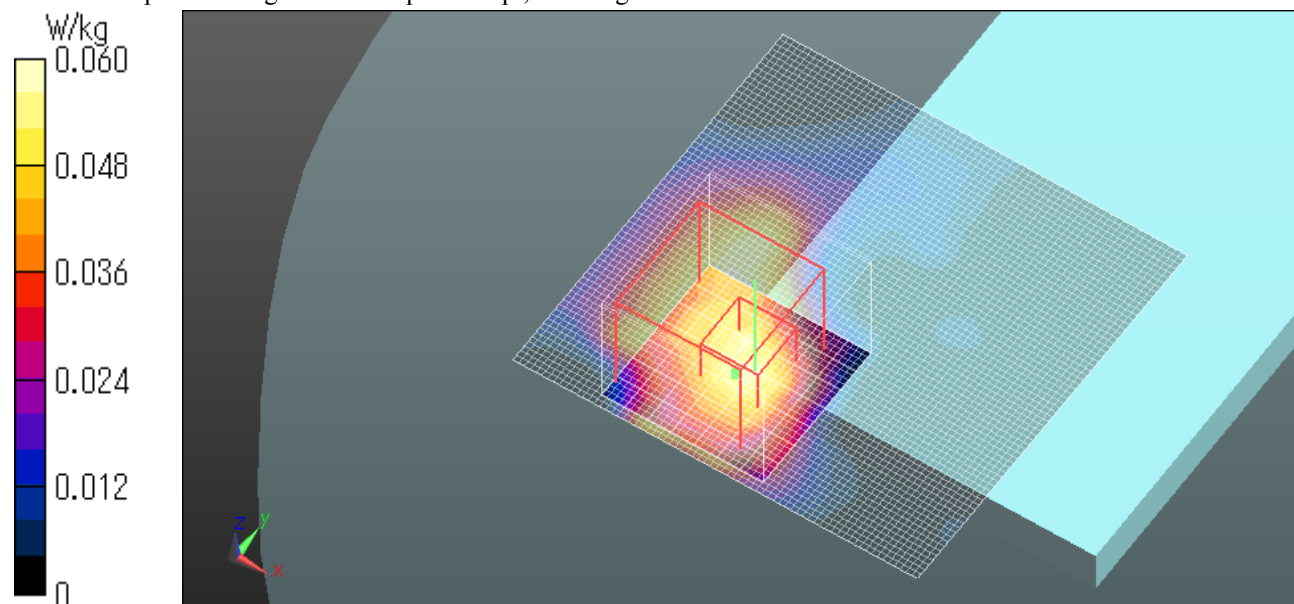
SAR(1 g) = 0.025 W/kg ; SAR(10 g) = 0.00903 W/kg

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

Maximum value of SAR (measured) = 0.0601 W/kg

Date: 2013/02/01

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

xii) WLAN 5745-5825MHz Body

GT-I9105 WLAN 11a 6Mbps Front 10mm 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; $\sigma = 6.213$ mho/m; $\epsilon_r = 46.032$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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 (3);

Area Scan 3 (61x91x1): Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

Maximum value of SAR (interpolated) = 0.192 W/kg

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

Reference Value = 4.119 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.288 W/kg

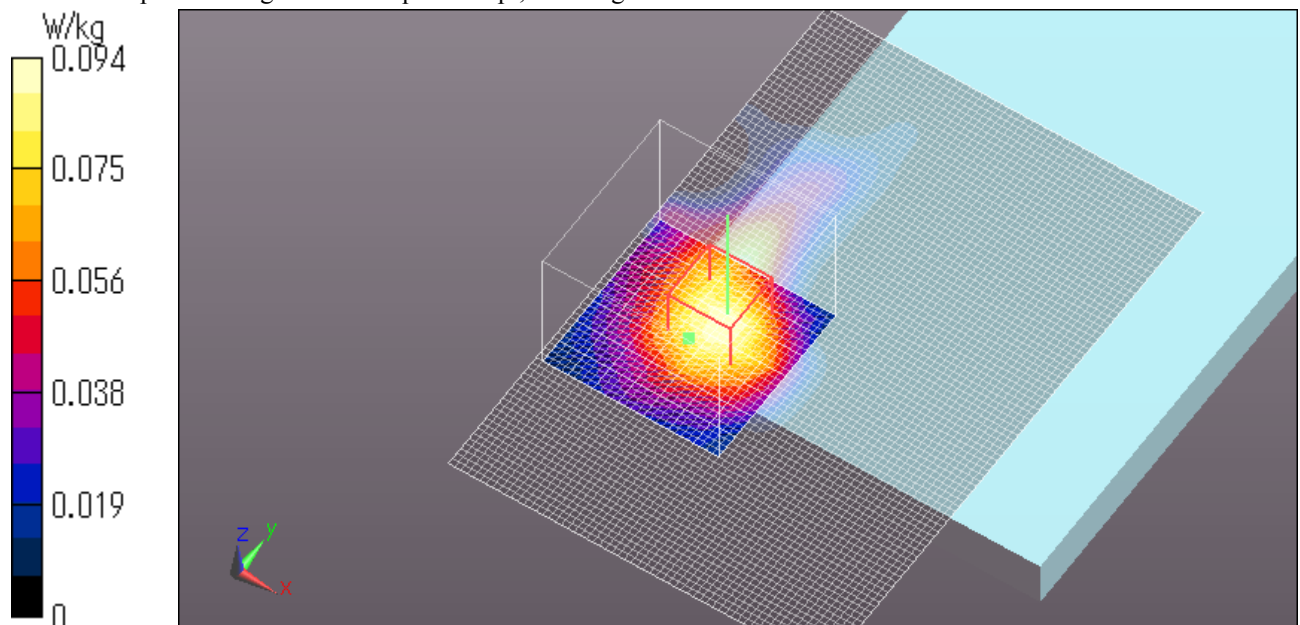
SAR(1 g) = 0.040 W/kg; SAR(10 g) = 0.015 W/kg

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

Maximum value of SAR (measured) = 0.0941 W/kg

Date: 2013/01/21

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 5745-5825 band

GT-I9105 WLAN 11a 6Mbps Front 10mm 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; $\sigma = 6.213$ mho/m; $\epsilon_r = 46.032$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration

Probe: EX3DV4 - SN3825; ConvF(4.2, 4.2, 4.2); Calibrated: 2012/12/10; \${Probe: Calibration Date}

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 (3);

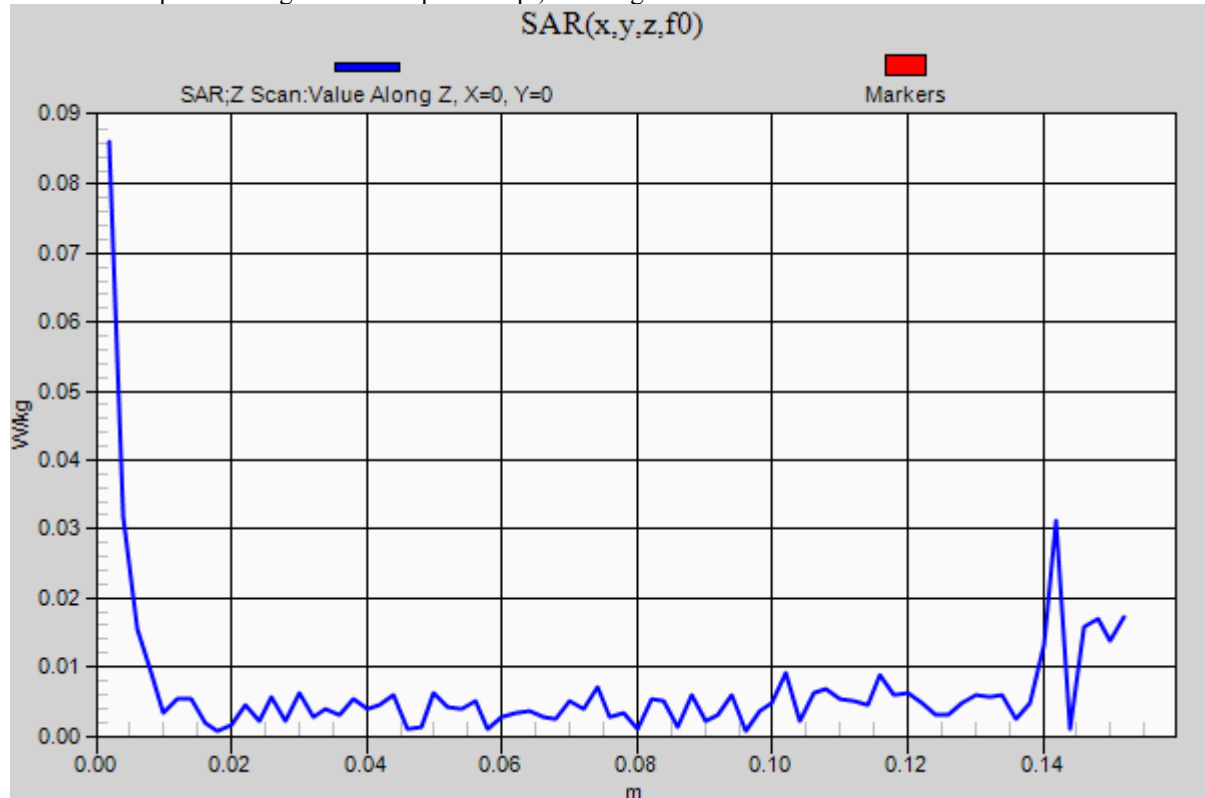
Z Scan (1x1x76): Measurement grid: dx=20mm, dy=20mm, dz=2mm

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

Maximum value of SAR (measured) = 0.0862 W/kg

Date: 2013/01/21

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