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Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Right Head Cheek Low CH128**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.88$  mho/m;  $\epsilon_r = 41.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM850/Right Head Cheek Low CH128/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

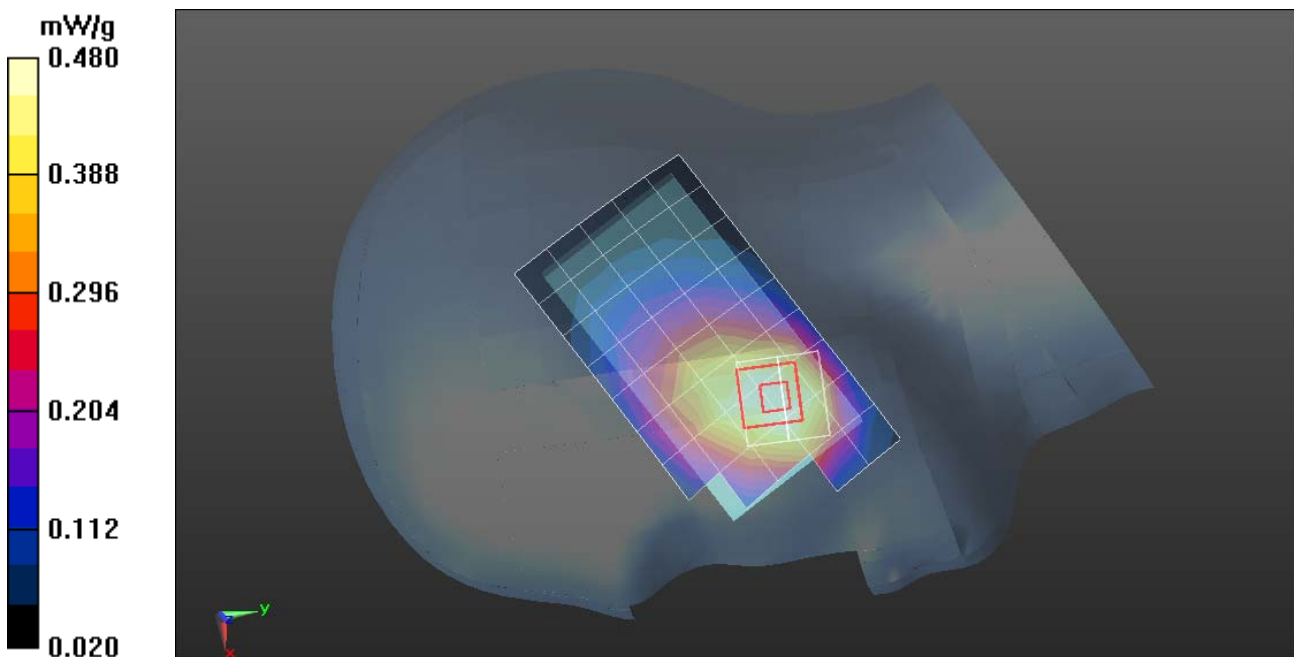
**GSM850/Right Head Cheek Low CH128/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.404 V/m; Power Drift = 0.27 dB

Peak SAR (extrapolated) = 0.7100

**SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.296 mW/g**

Maximum value of SAR (measured) = 0.480 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Right Head Cheek Middle CH190**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 9.191 dB

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.478$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM850/Right Head Cheek Middle CH190/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.585 mW/g

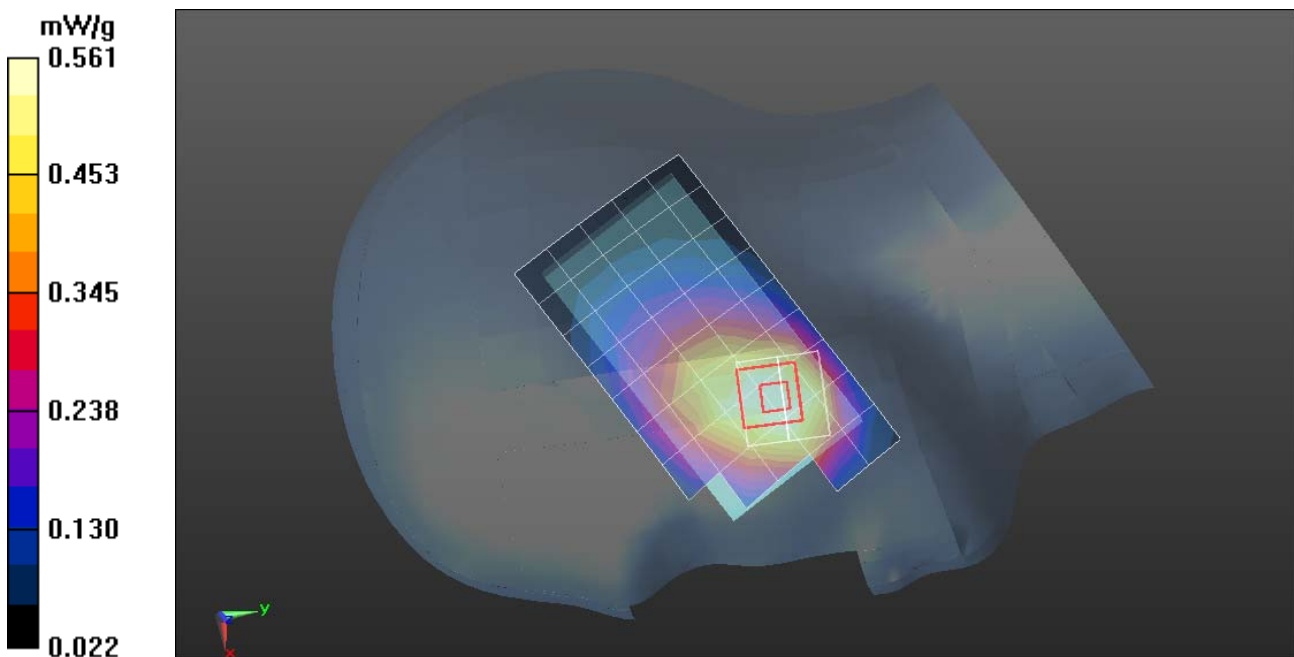
**GSM850/Right Head Cheek Middle CH190/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.332 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.8370

**SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.347 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Right Head Cheek High CH251**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 41.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM850/Right Head Cheek High CH251/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.670 mW/g

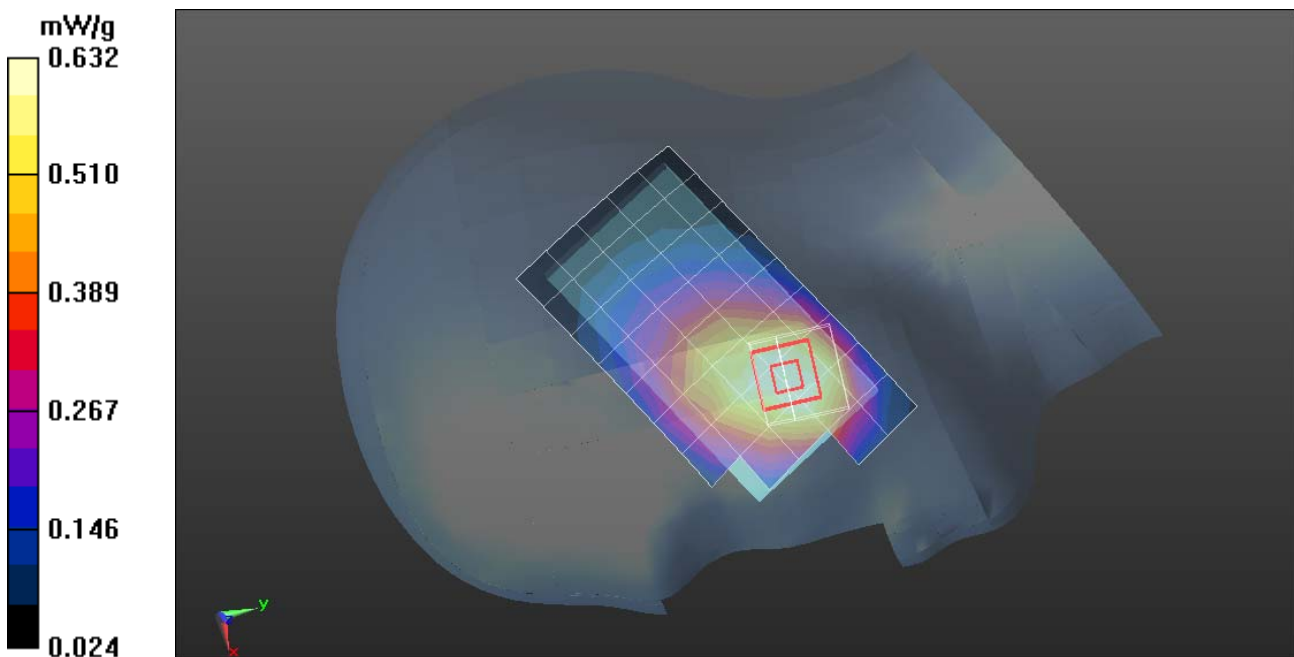
**GSM850/Right Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.060 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.9430

**SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.388 mW/g**

Maximum value of SAR (measured) = 0.632 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Right Head Tilted High CH251**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 41.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM850/Right Head Tilted High CH251/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.454 mW/g

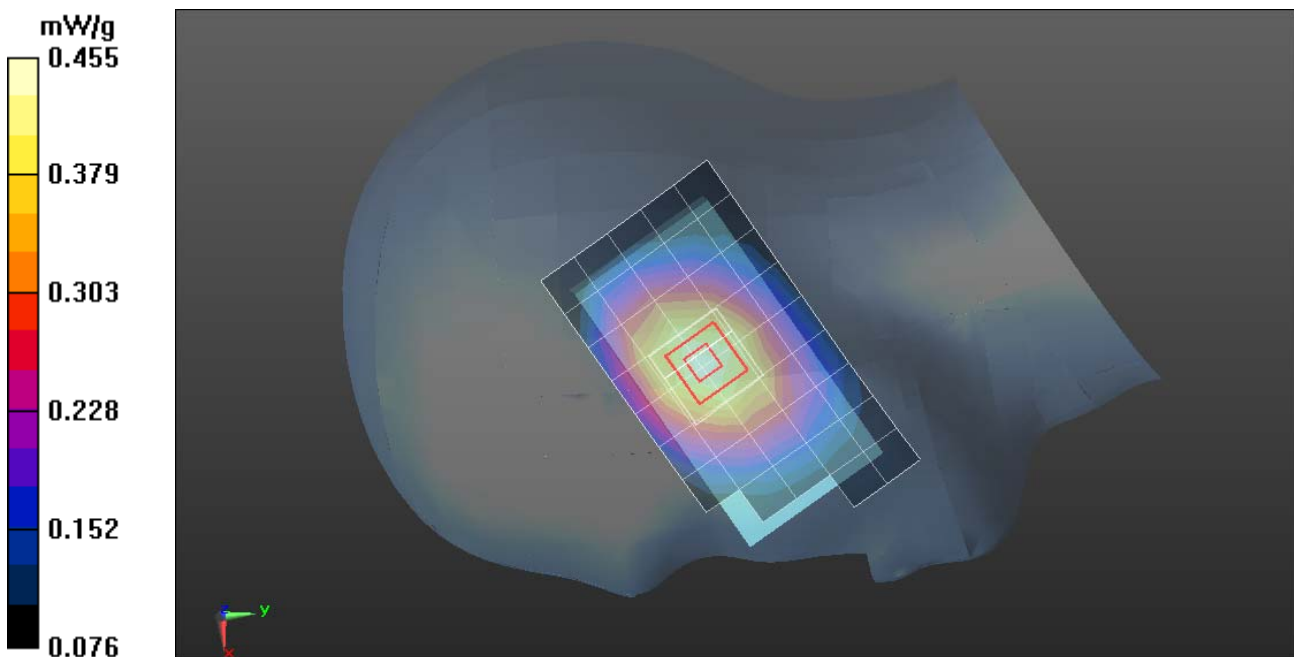
**GSM850/Right Head Tilted High CH251/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 17.678 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.5280

**SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.285 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Left Head Cheek High CH251**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 41.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM850/Left Head Cheek High CH251/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.670 mW/g

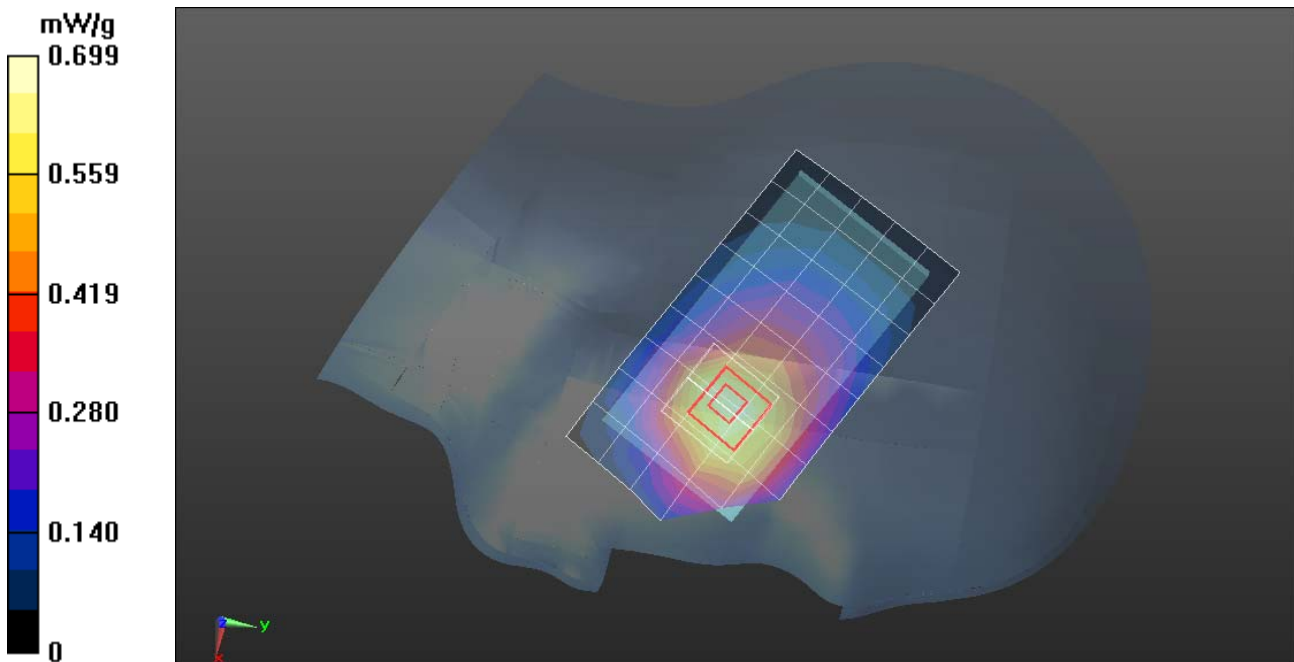
**GSM850/Left Head Cheek High CH251/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 12.826 V/m; Power Drift = -34.23 dB

Peak SAR (extrapolated) = 1.2260

**SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.419 mW/g**

Maximum value of SAR (measured) = 0.699 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Left Head Tilted High CH251**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.899$  mho/m;  $\epsilon_r = 41.327$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection),  $z = 1.0, 25.0$
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM850/Left Head Tilted High CH251/Area Scan (6x10x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (measured) = 0.428 mW/g

**GSM850/Left Head Tilted High CH251/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5$ mm,

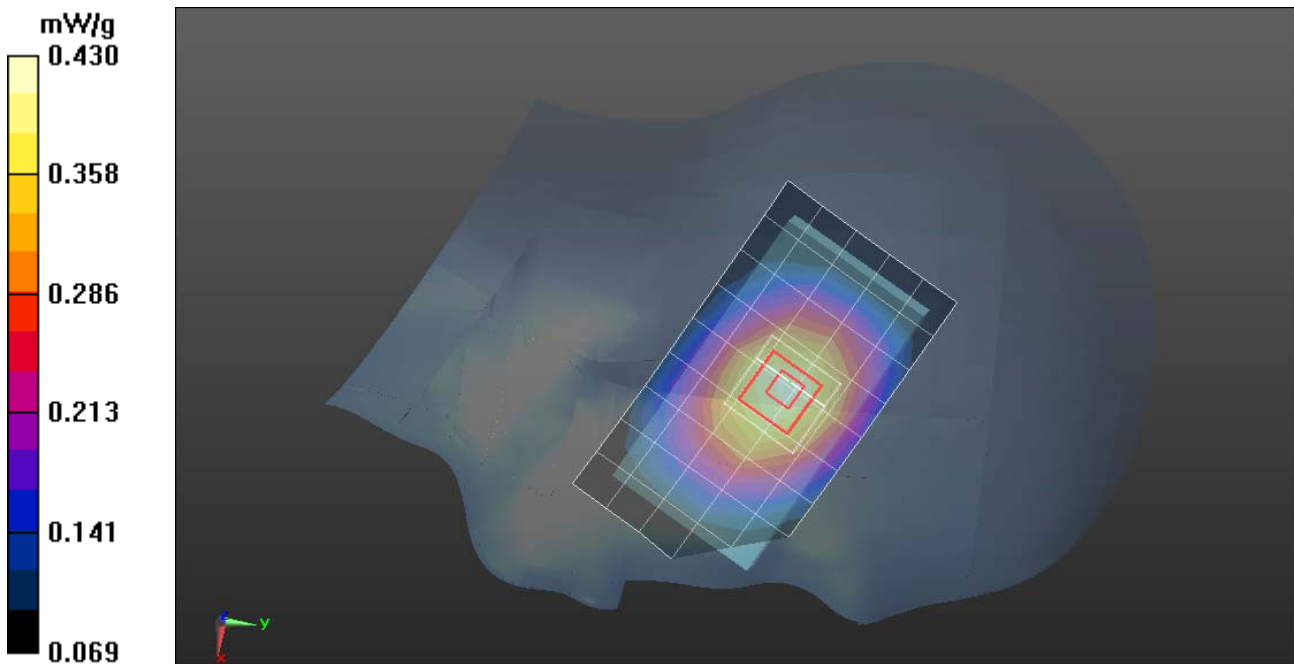
$dy=5$ mm,  $dz=3$ mm

Reference Value = 16.763 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.5010

**SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.271 mW/g**

Maximum value of SAR (measured) = 0.430 mW/g







Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS-1900-Right Head Cheek Low CH512**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/Right Head Cheek Low CH512/Area Scan (6x9x1):**

Measurement grid: dx=15mm, dy=15mm

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

**PCS1900/Right Head Cheek Low CH512/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm,

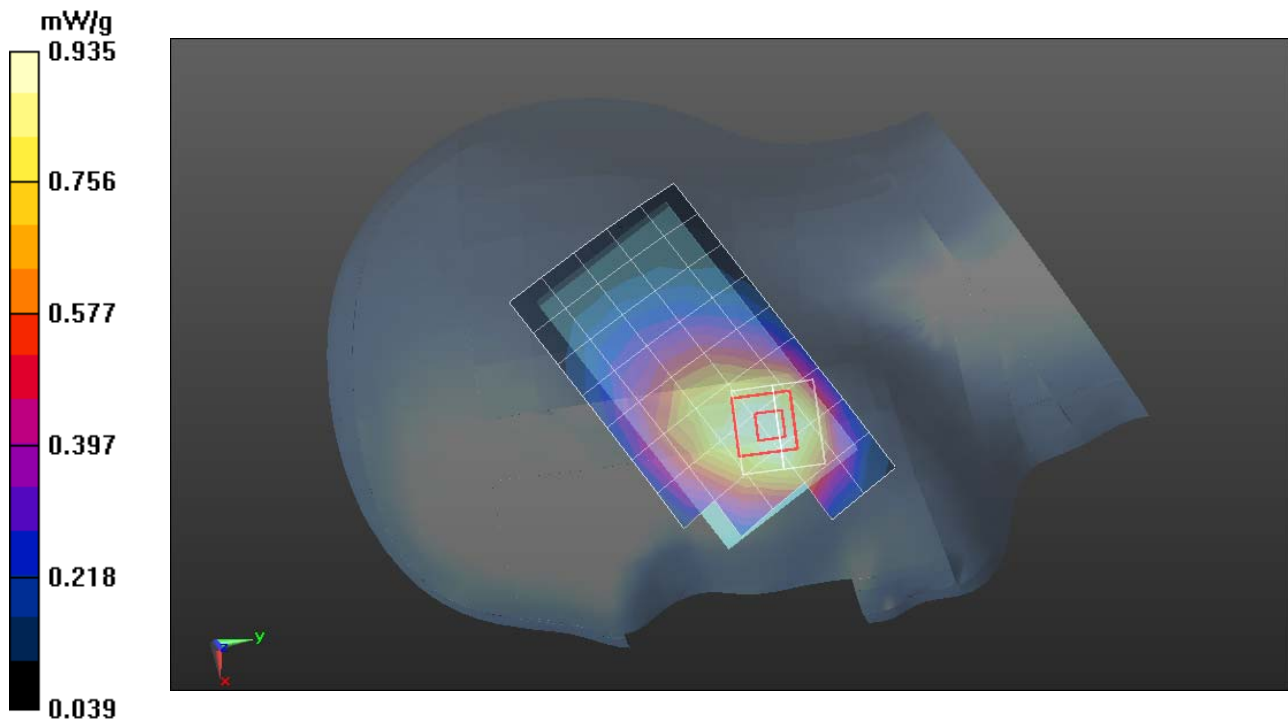
dy=5mm, dz=5mm

Reference Value = 18.833 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.285 W/kg

**SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.399 mW/g**

Maximum value of SAR (measured) = 0.935 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS-1900-Right Head Cheek Middle CH661**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1880 MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.45$  mho/m;  $\epsilon_r = 39.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/Right Head Cheek Middle CH661/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.727 mW/g

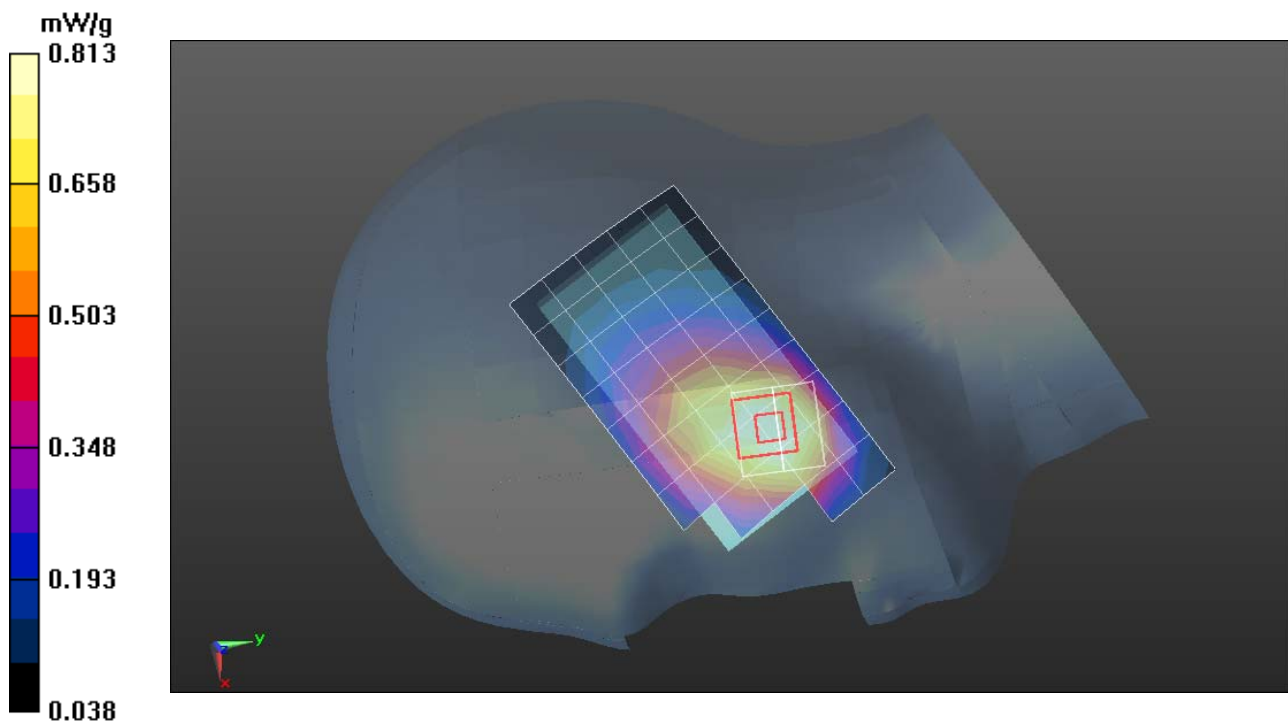
**PCS1900/Right Head Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.306 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.085 W/kg

**SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.813 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS-1900-Right Head Cheek High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47\text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000\text{ kg/m}^3$

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/Right Head Cheek High CH810/Area Scan (6x9x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.769 mW/g

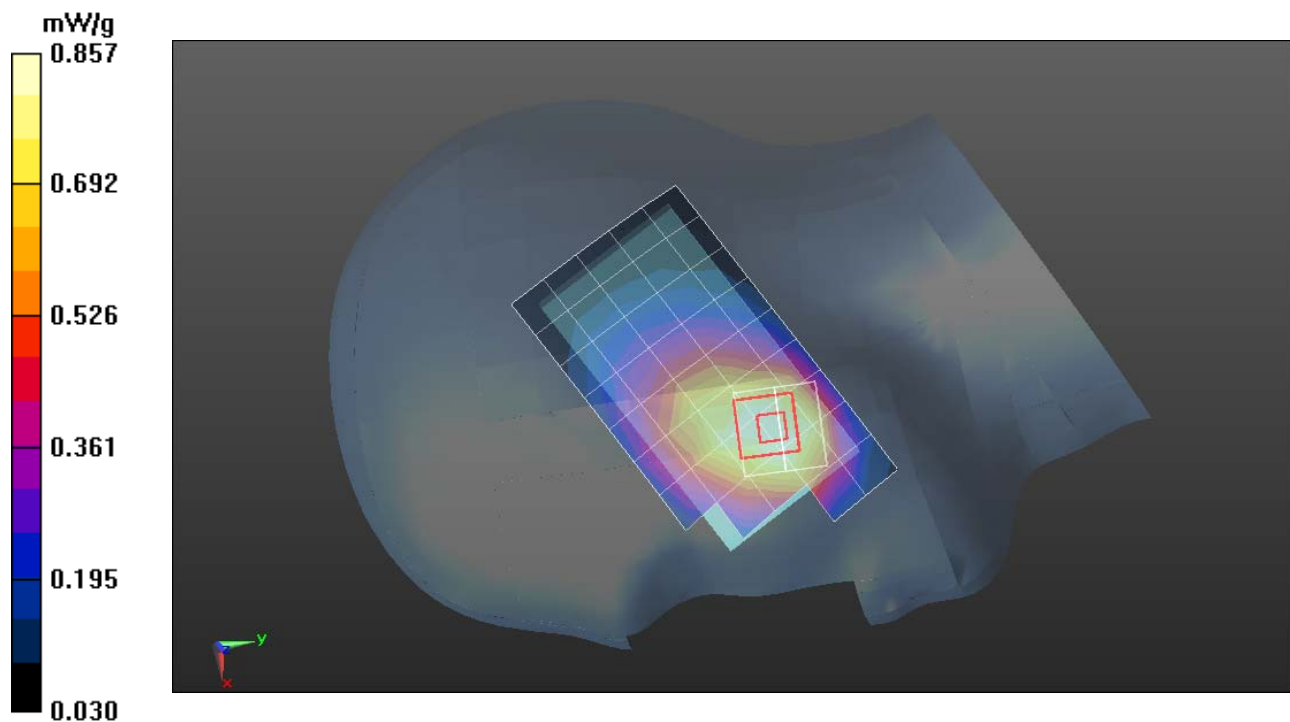
**PCS1900/Right Head Cheek High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.426 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.154 W/kg

**SAR(1 g) = 0.553 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.857 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS-1900-Right Head Tilted High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47 \text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/Right Head Tilted High CH810/Area Scan (6x9x1):**

Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.703 mW/g

**PCS1900/Right Head Tilted High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,

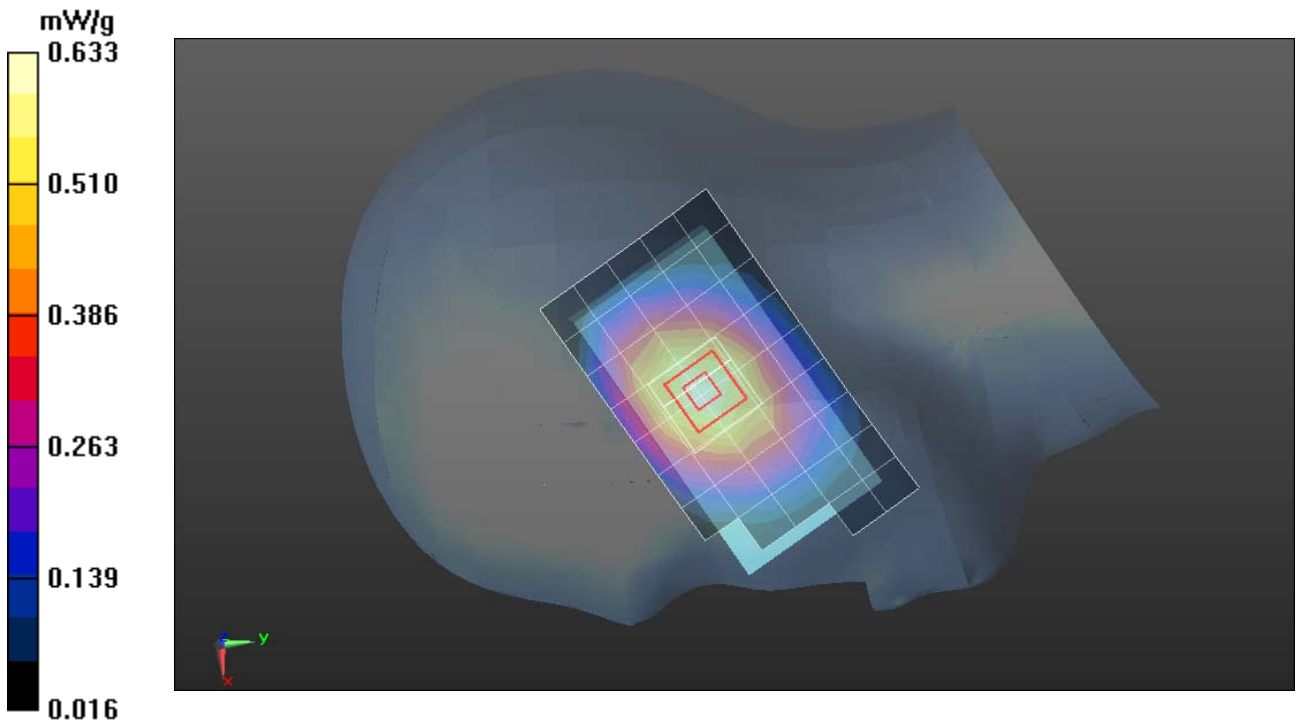
$dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 18.947 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.126 W/kg

**SAR(1 g) = 0.476 mW/g; SAR(10 g) = 0.302 mW/g**

Maximum value of SAR (measured) = 0.633 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS 1900-Left Head Cheek High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47\text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/Left Head Cheek High CH810/Area Scan (6x9x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.533 mW/g

**PCS1900/Left Head Cheek High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,

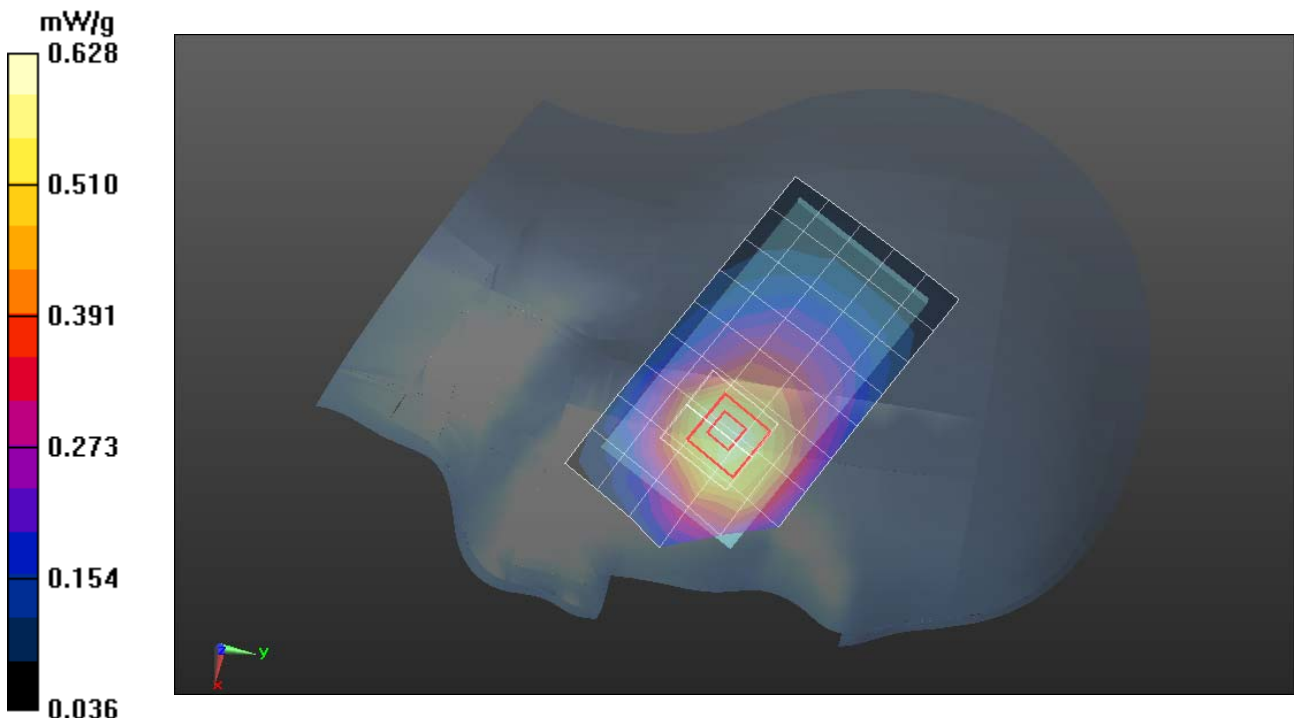
$dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 16.367 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.796 W/kg

**SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.237mW/g**

Maximum value of SAR (measured) = 0.628 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS 1900-Left Head Tilted High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47\text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000\text{ kg/m}^3$

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/Left Head Tilted High CH810/Area Scan (6x9x1):**

Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.454 mW/g

**PCS1900/Left Head Tilted High CH810/Zoom Scan (7x7x9)/Cube 0: Measurement grid:  $dx=5\text{mm}$ ,**

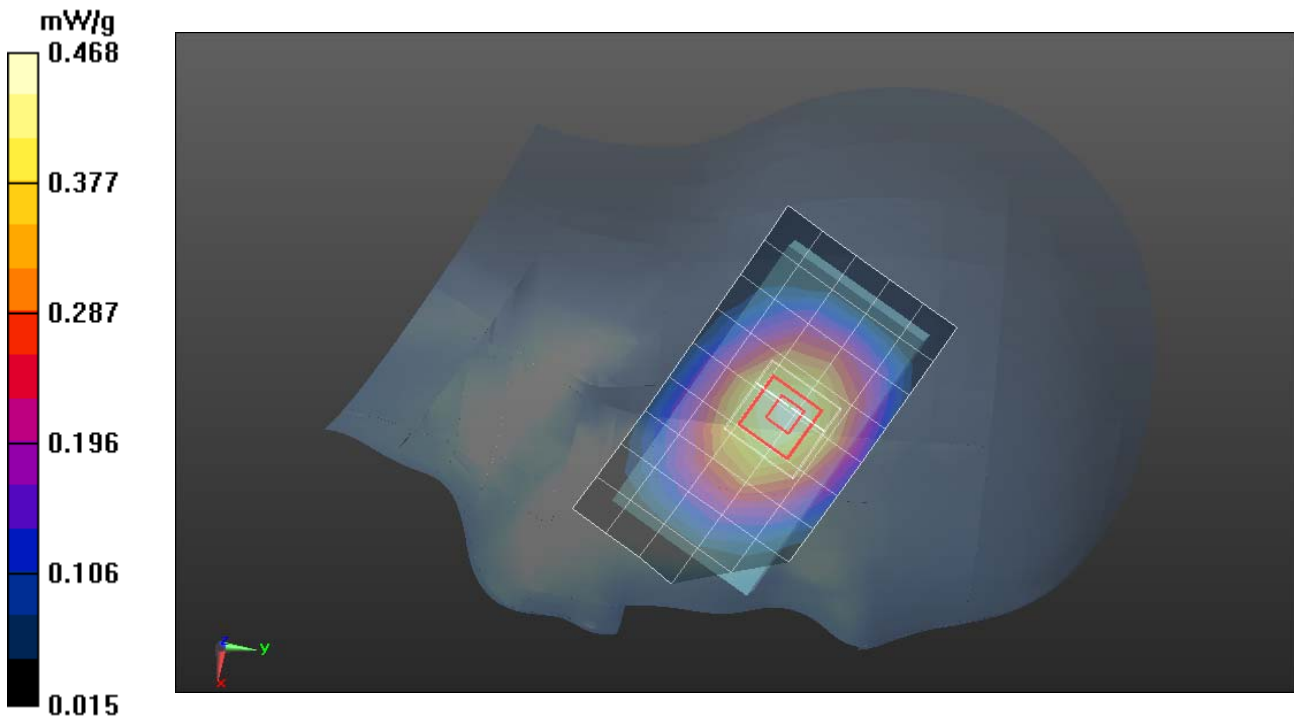
$dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 12.272 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.615 W/kg

**SAR(1 g) = 0.360 mW/g; SAR(10 g) = 0.205 mW/g**

Maximum value of SAR (measured) = 0.468 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Body Up High CH251**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.969$  mho/m;  $\epsilon_r = 55.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM 850/GSM850 Body Up High CH251/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.746 mW/g

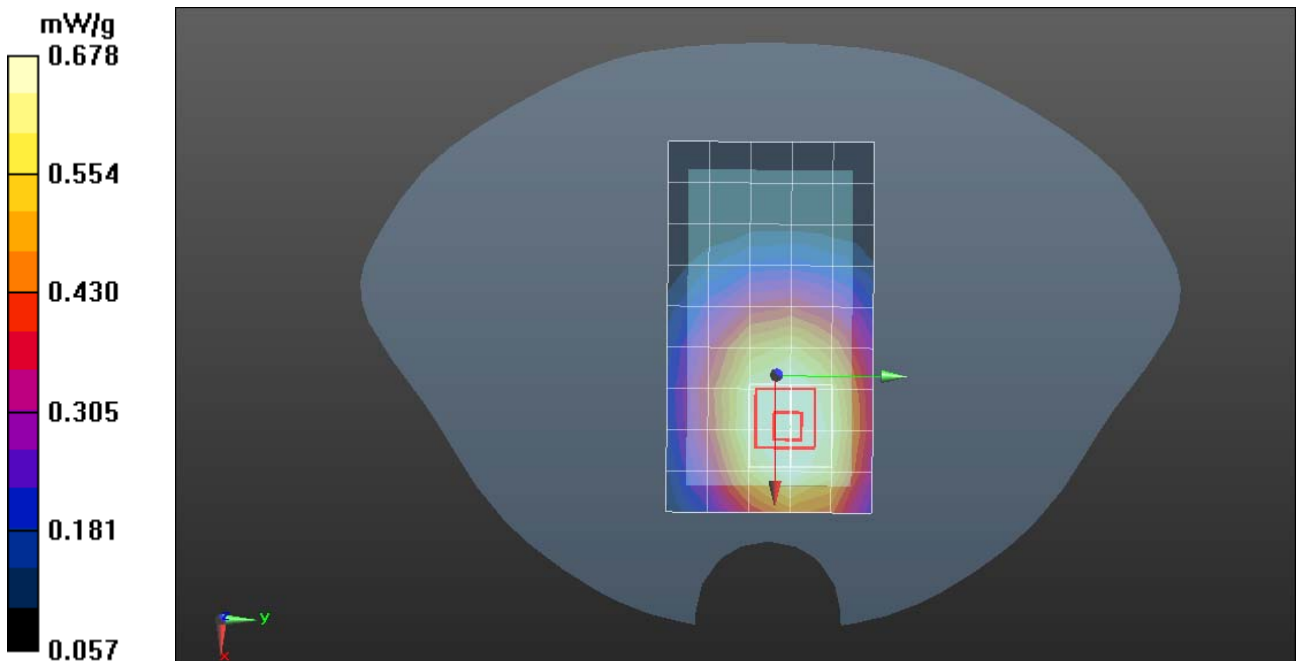
**GSM 850/GSM850 Body Up High CH251/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.215 V/m; Power Drift = -0.0017 dB

Peak SAR (extrapolated) = 0.8660

**SAR(1 g) = 0.540 mW/g; SAR(10 g) = 0.358 mW/g**

Maximum value of SAR (measured) = 0.678 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Body Down Low CH128**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55.959$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM 850/GSM850 Body Down Low CH128/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.693 mW/g

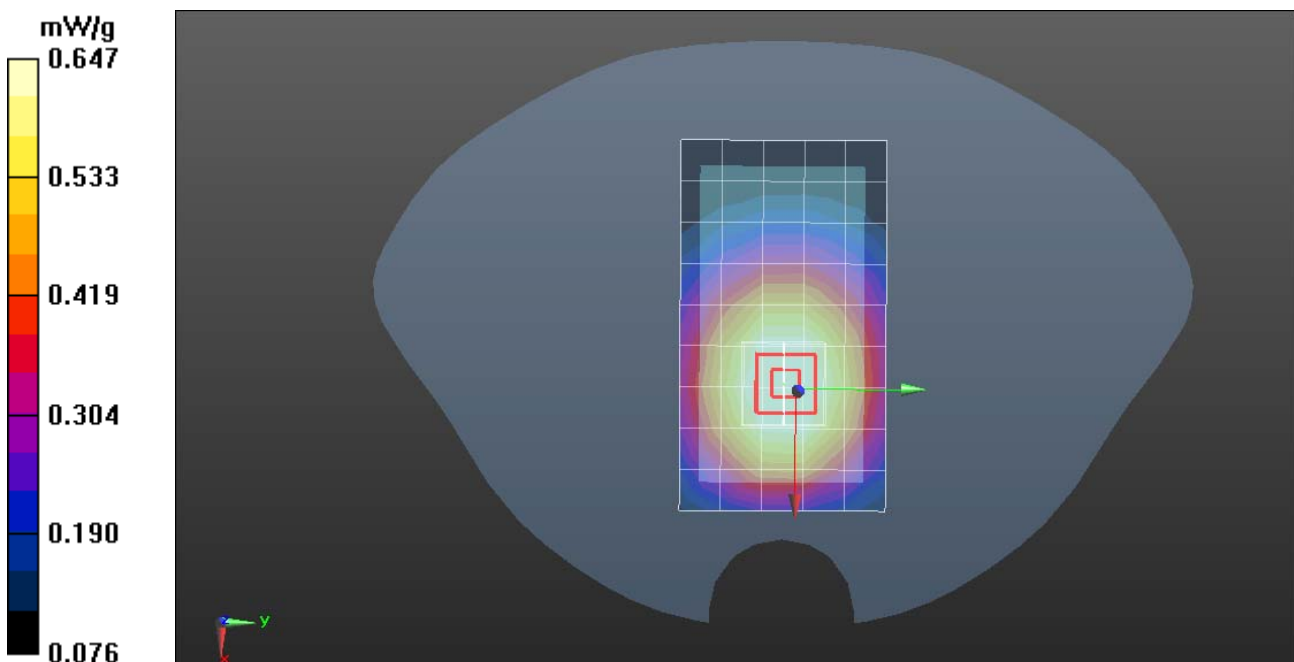
**GSM 850/GSM850 Body Down Low CH128/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 25.748 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.8140

**SAR(1 g) = 0.511 mW/g; SAR(10 g) = 0.342 mW/g**

Maximum value of SAR (measured) = 0.647 mW/g







Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Body Down Middle CH190**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 836.6$  MHz;  $\sigma = 0.96$  mho/m;  $\epsilon_r = 55.858$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM 850/GSM850 Body Down Middle CH190/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.703 mW/g

**GSM 850/GSM850 Body Down Middle CH190/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:

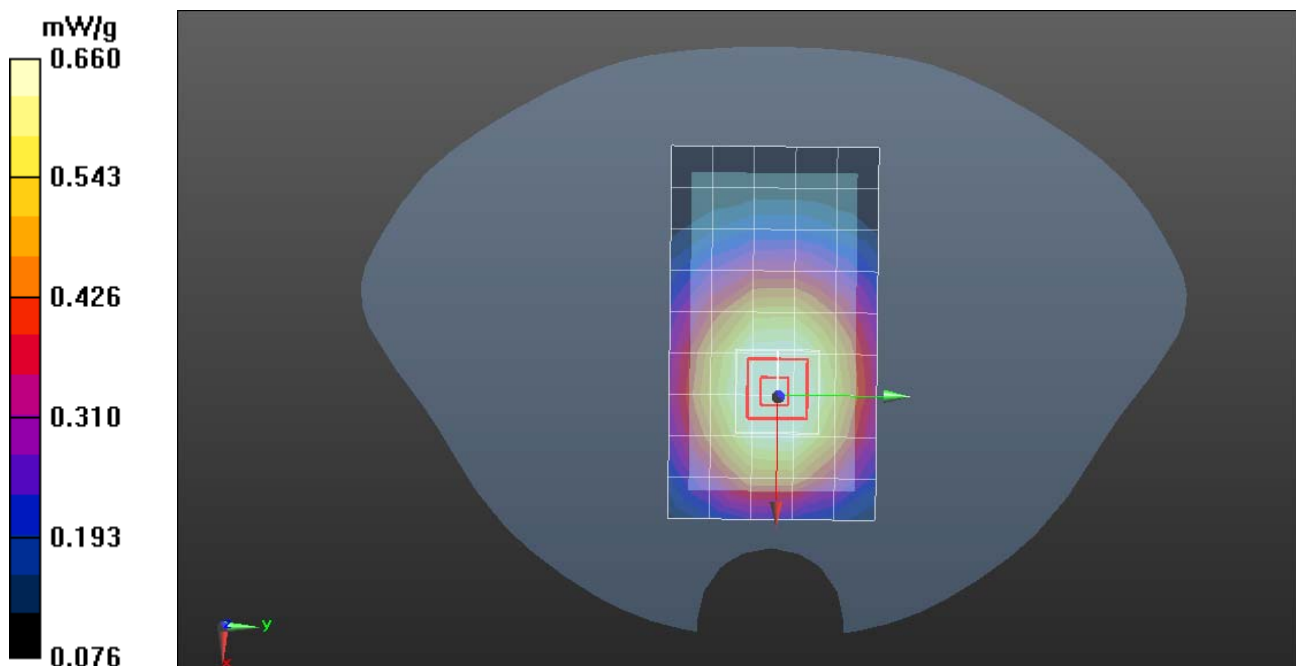
dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.131 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.8390

**SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.349 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GSM 850-Body Down High CH251**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GSM 850 (824.0 - 849.0 MHz);

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated):  $f = 848.6$  MHz;  $\sigma = 0.969$  mho/m;  $\epsilon_r = 55.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**GSM 850/GSM850 Body Down High CH251/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.707 mW/g

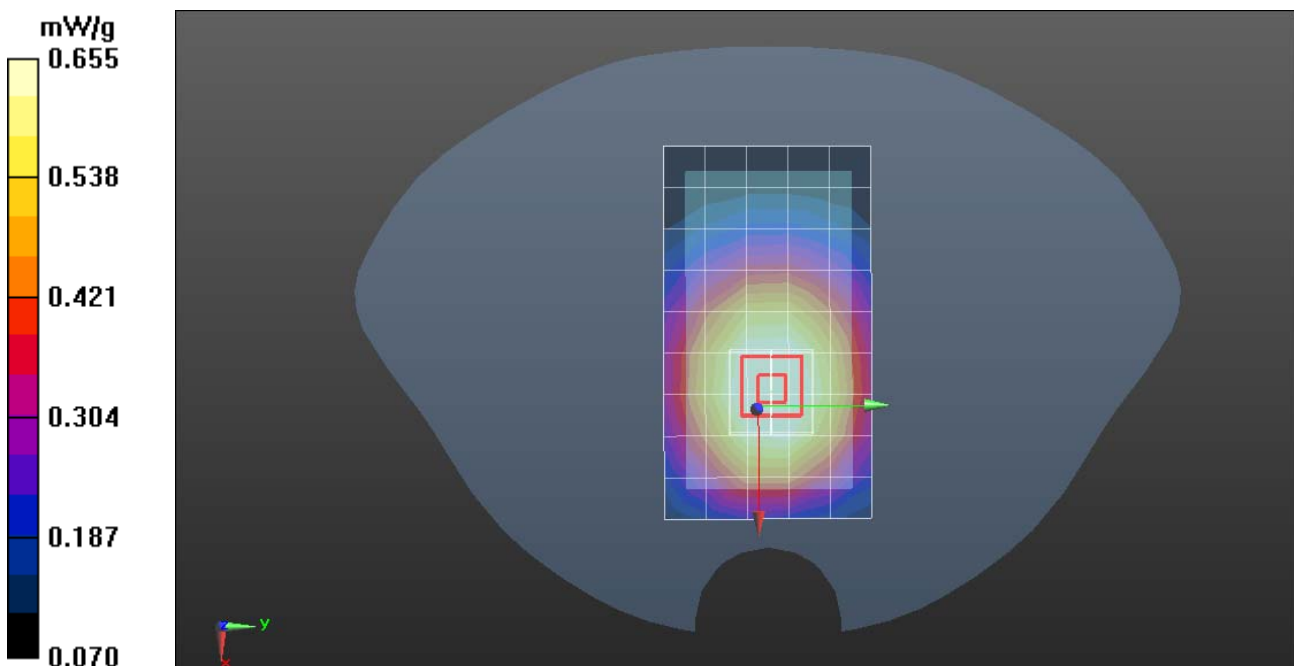
**GSM 850/GSM850 Body Down High CH251/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.161 V/m; Power Drift = -0.0046 dB

Peak SAR (extrapolated) = 0.8330

**SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.344 mW/g**

Maximum value of SAR (measured) = 0.655 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GPRS 850-Body Up Low CH128**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 3.01 dB

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**GPRS 850/GPRS850 Body Up Low CH128/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.327 mW/g

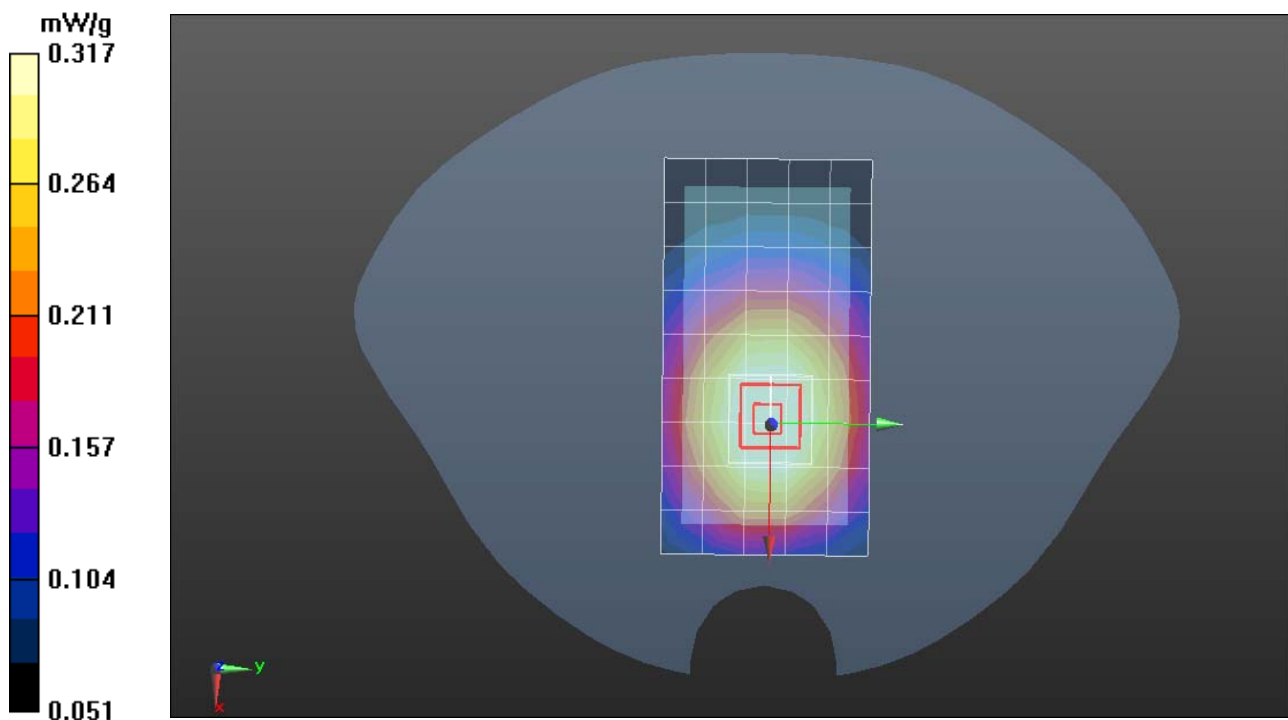
**GPRS 850/GPRS850 Body Up Low CH128/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.903 V/m; Power Drift = 0.0022 dB

Peak SAR (extrapolated) = 0.384 W/kg

**SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.130 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GPRS 850-Body Down Low CH128**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GPRS; Communication System Band: GPRS 850 (824.0 - 849.0 MHz);

Frequency: 824.2 MHz; Communication System PAR: 3.01 dB

Medium parameters used (interpolated):  $f = 824.2$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 55.628$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**GPRS 850/GPRS850 Body Down Low CH128/Area Scan (6x9x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.808 mW/g

**GPRS 850/GPRS850 Body Down Low CH128/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

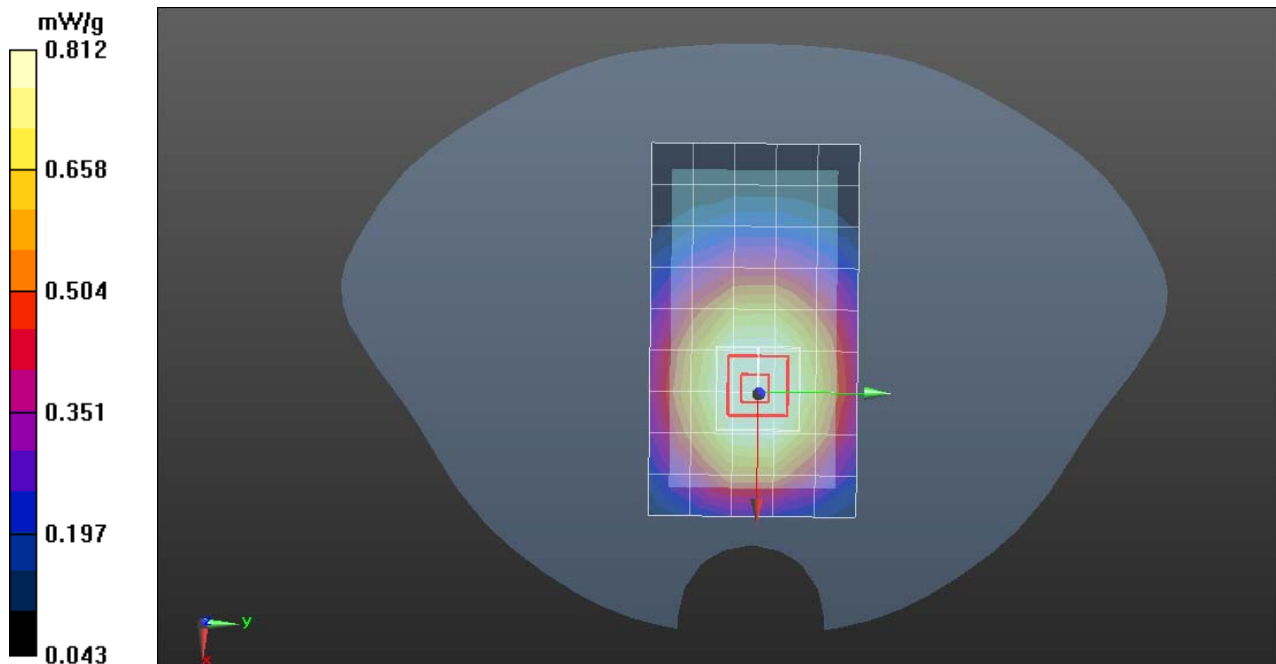
dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.993 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.084 W/kg

**SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.324 mW/g**

Maximum value of SAR (measured) = 0.812 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS1900-Body Up High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47\text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/ PCS1900 Body Up High CH810/Area Scan (6x9x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.380 mW/g

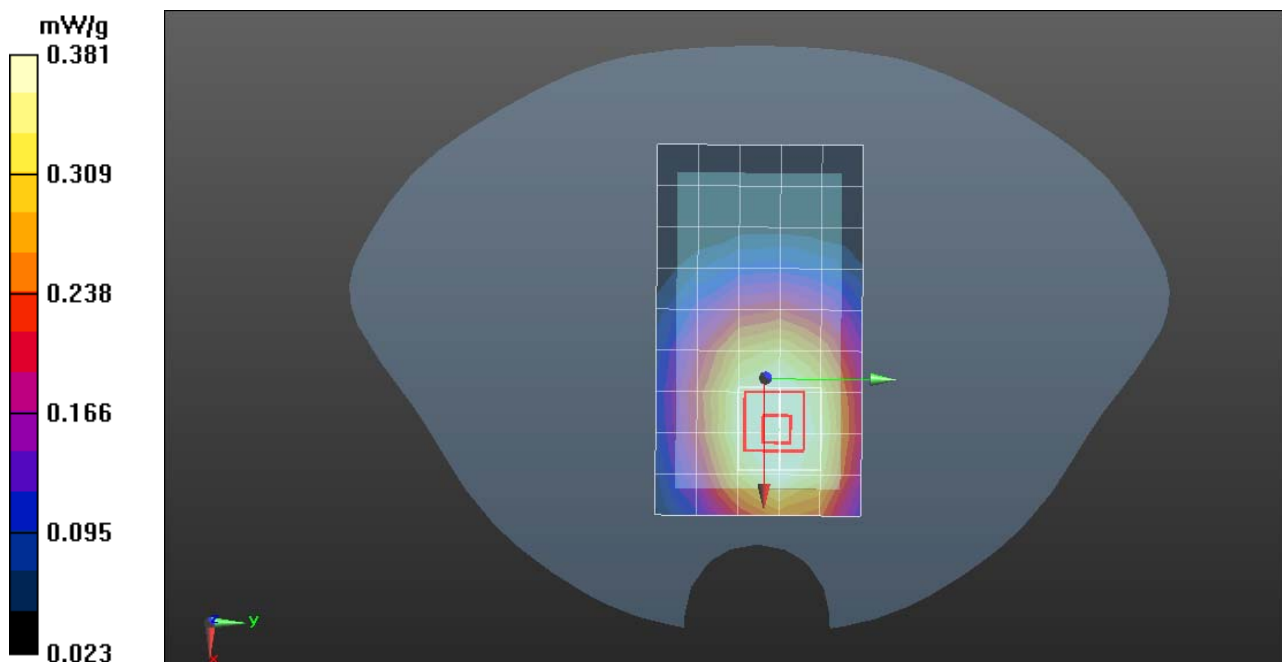
**PCS1900/ PCS1900 Body Up High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.177 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.496 W/kg

**SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.175 mW/g**

Maximum value of SAR (measured) = 0.381 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**PCS1900-Body Down High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47 \text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**PCS1900/ PCS1900 Body Down High CH810/Area Scan (6x9x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.753 mW/g

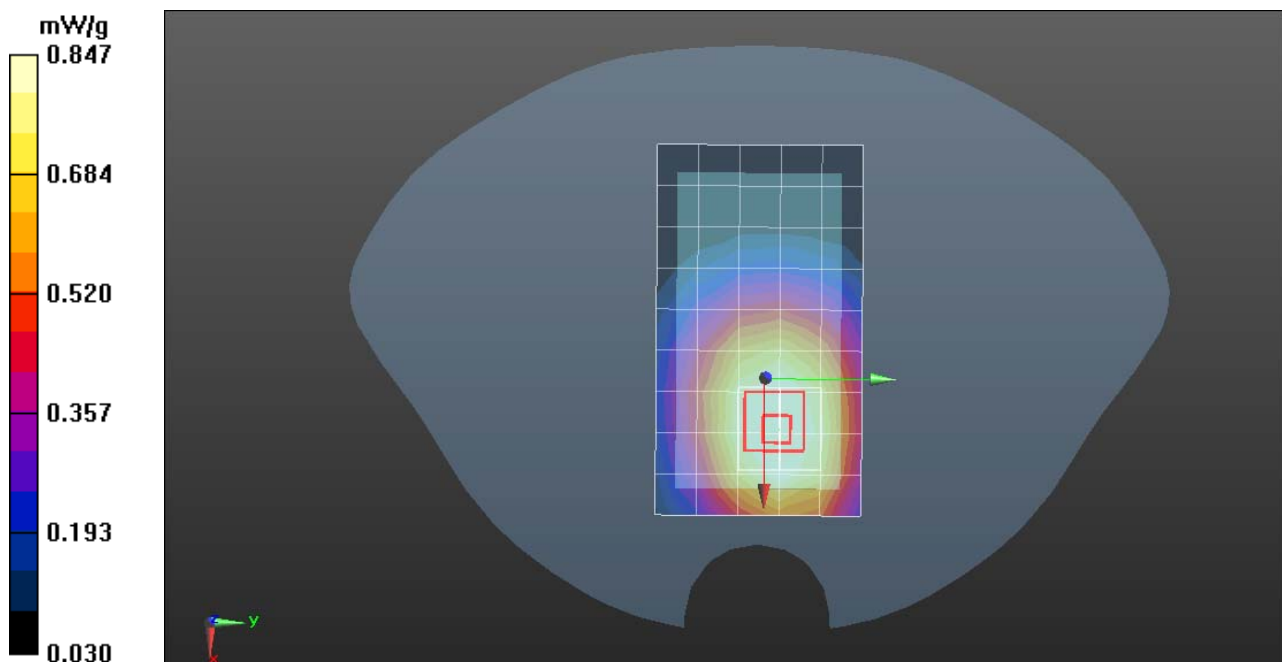
**PCS1900/ PCS1900 Body Down High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.972 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.127 W/kg

**SAR(1 g) = 0.598 mW/g; SAR(10 g) = 0.376 mW/g**

Maximum value of SAR (measured) = 0.847 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GPRS1900-Body Up High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GPRS 1900 (1850.0 - 1910.0 MHz); Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47\text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**GPRS1900/GPRS1900 Body Up High CH810/Area Scan (6x9x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

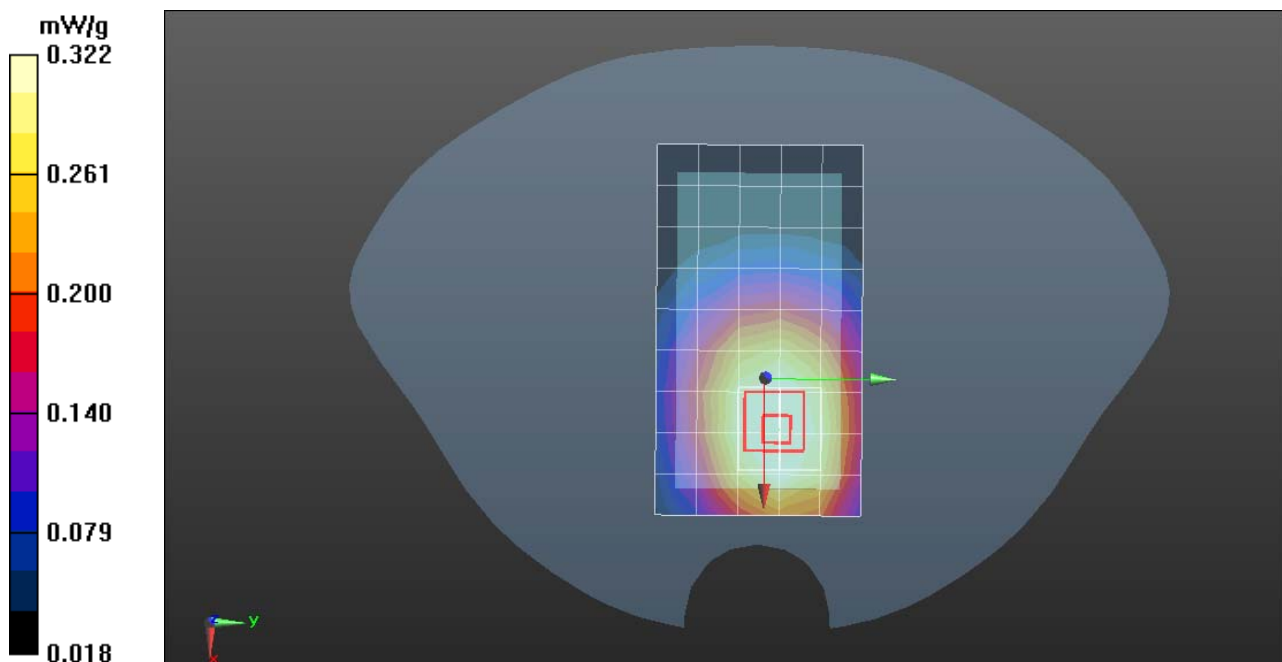
**GPRS1900/GPRS1900 Body Up High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 10.728 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.423 W/kg

**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.145 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**GPRS1900-Body Down High CH810**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: Generic GSM; Communication System Band: GPRS 1900 (1850.0 - 1910.0 MHz); Frequency: 1910MHz; Communication System PAR: 9.03 dB

Medium parameters used:  $f = 1910\text{MHz}$ ;  $\sigma = 1.47\text{ mho/m}$ ;  $\epsilon_r = 39.6$ ;  $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**GPRS1900/GPRS1900 Body Down High CH810/Area Scan (6x9x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (measured) = 0.701 mW/g

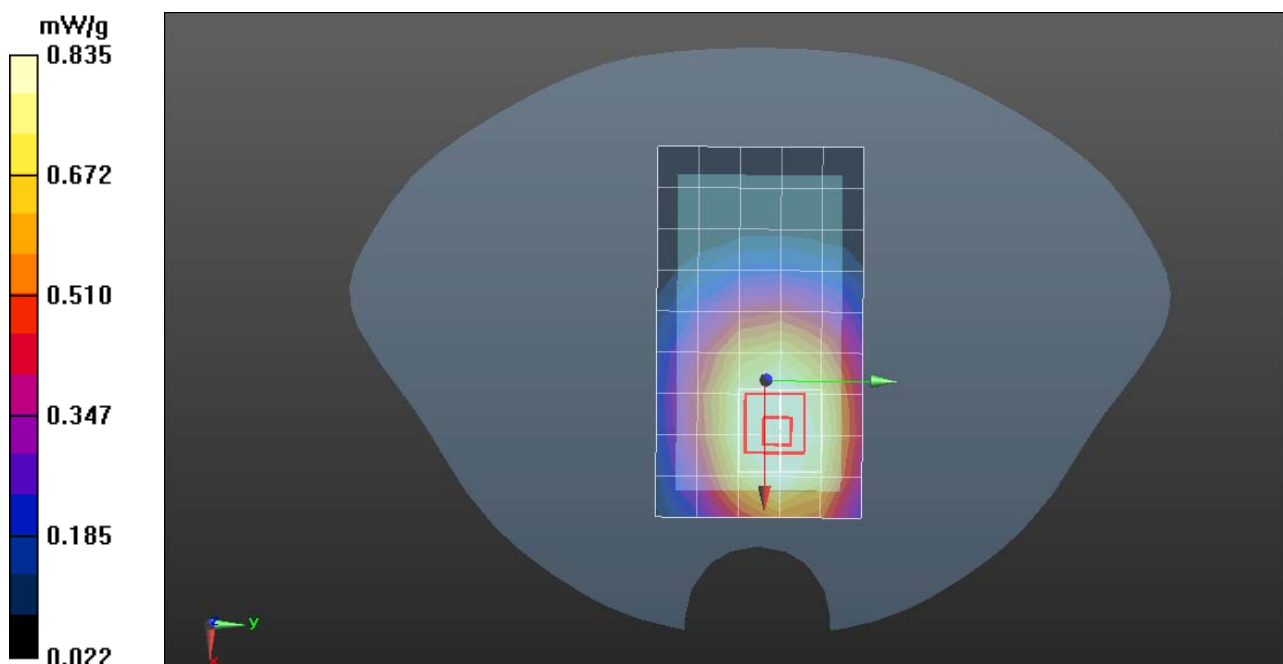
**GPRS1900/GPRS1900 Body Down High CH810/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 20.020 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.138 W/kg

**SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.354 mW/g**

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







Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Right Head Cheek Low CH9262**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.412$  mho/m;  $\epsilon_r = 38.955$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Right Head Cheek Low CH9262/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 2.339 mW/g

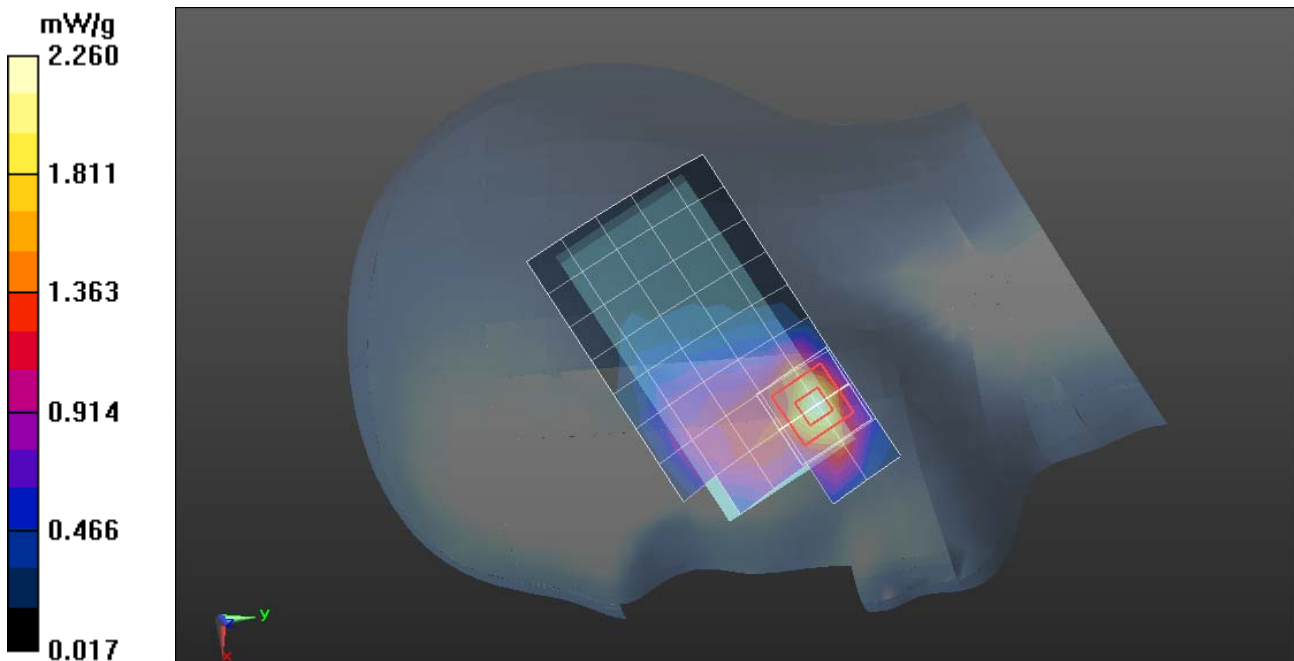
**WCDMA/Right Head Cheek Low CH9262/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 10.677 V/m; Power Drift = -0.28 dB

Peak SAR (extrapolated) = 3.4790

**SAR(1 g) = 0.922 mW/g; SAR(10 g) = 0.644 mW/g**

Maximum value of SAR (measured) = 2.260 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Right Head Cheek Middle CH9400**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Right Head Cheek Middle CH9400/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

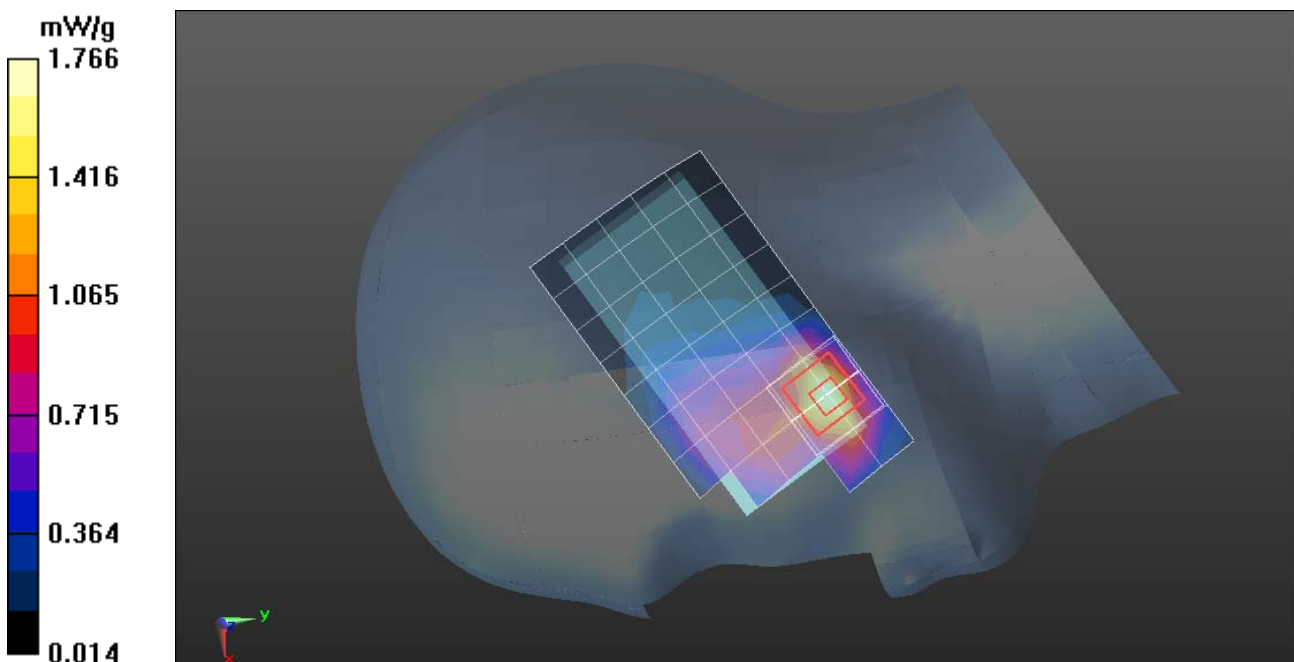
**WCDMA/Right Head Cheek Middle CH9400/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.864 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.7400

**SAR(1 g) = 0.875 mW/g; SAR(10 g) = 0.485 mW/g**

Maximum value of SAR (measured) = 1.766 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Right Head Cheek High CH9538**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1907.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.397$  mho/m;  $\epsilon_r = 41.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Right Head Cheek High CH9538/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.432 mW/g

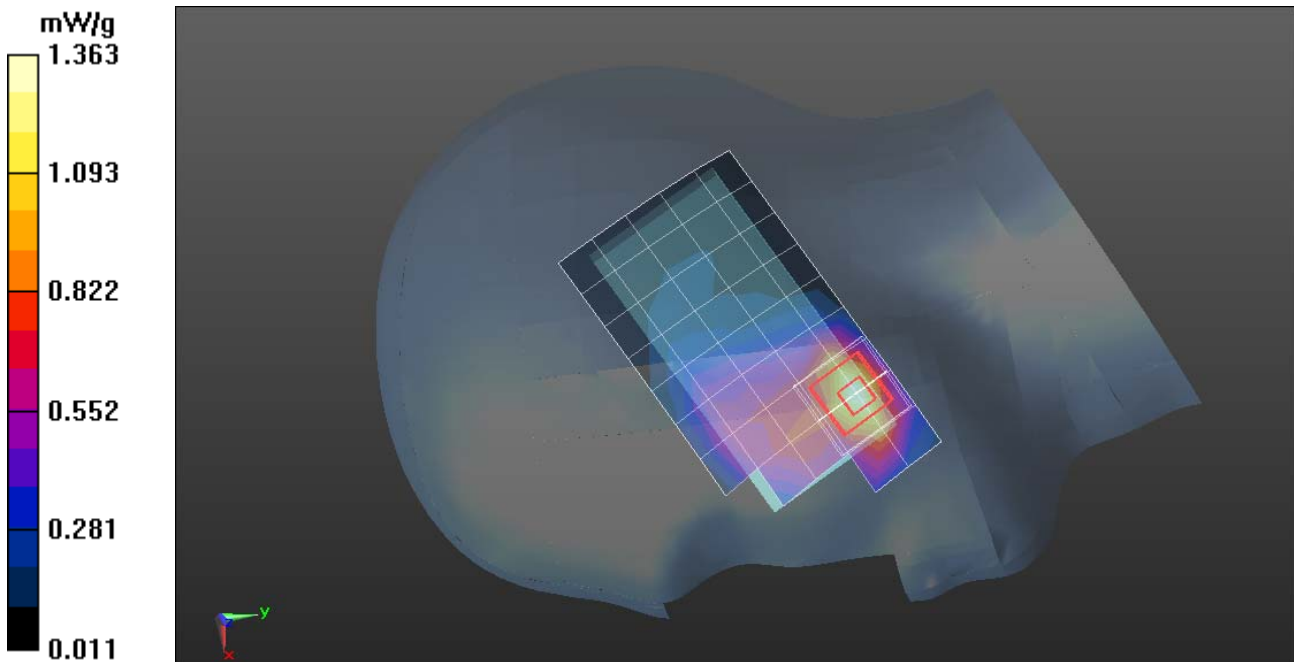
**WCDMA/Right Head Cheek High CH9538/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 7.360 V/m; Power Drift = 2.27 dB

Peak SAR (extrapolated) = 2.1450

**SAR(1 g) = 0.869 mW/g; SAR(10 g) = 0.460 mW/g**

Maximum value of SAR (measured) = 1.363 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Right Head Tilted Low CH9262**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.412$  mho/m;  $\epsilon_r = 38.955$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Right Head Tilted Low CH9262/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.262 mW/g

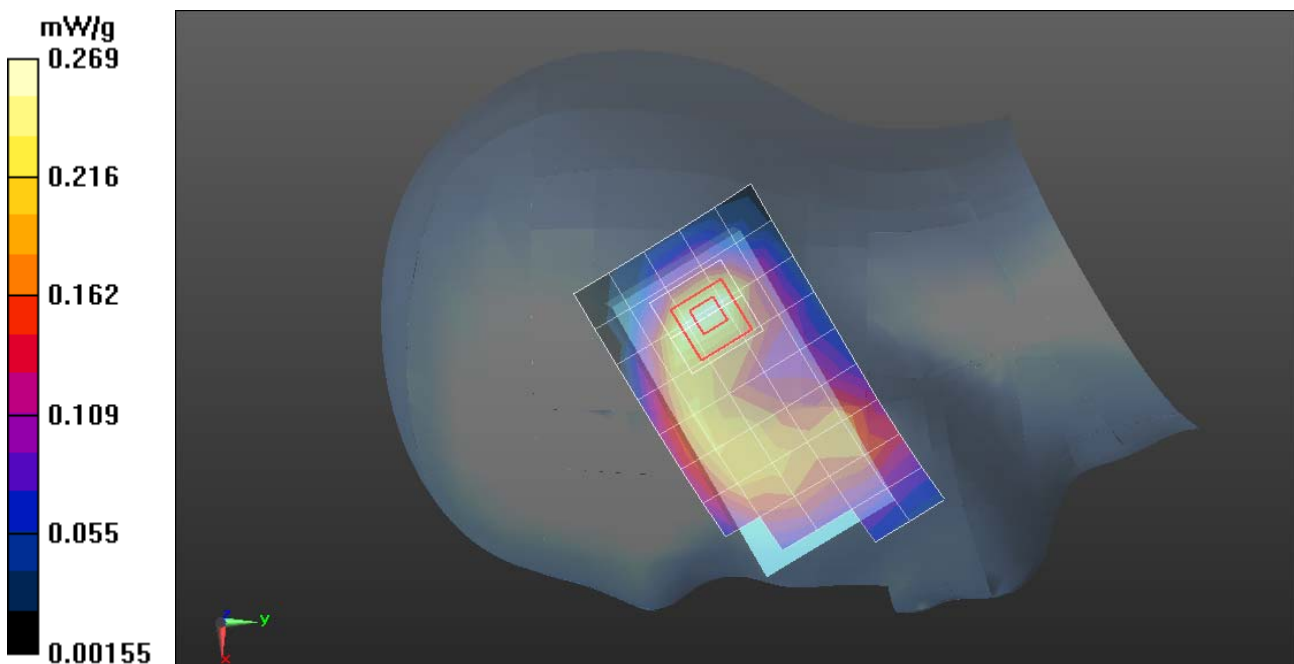
**WCDMA/Right Head Tilted Low CH9262/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 14.332 V/m; Power Drift = -0.46 dB

Peak SAR (extrapolated) = 0.3870

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.101 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Left Head Cheek Low CH9262**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.412$  mho/m;  $\epsilon_r = 38.957$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Left Head Cheek Low CH9262/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.568 mW/g

**WCDMA/Left Head Cheek Low CH9262/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm,

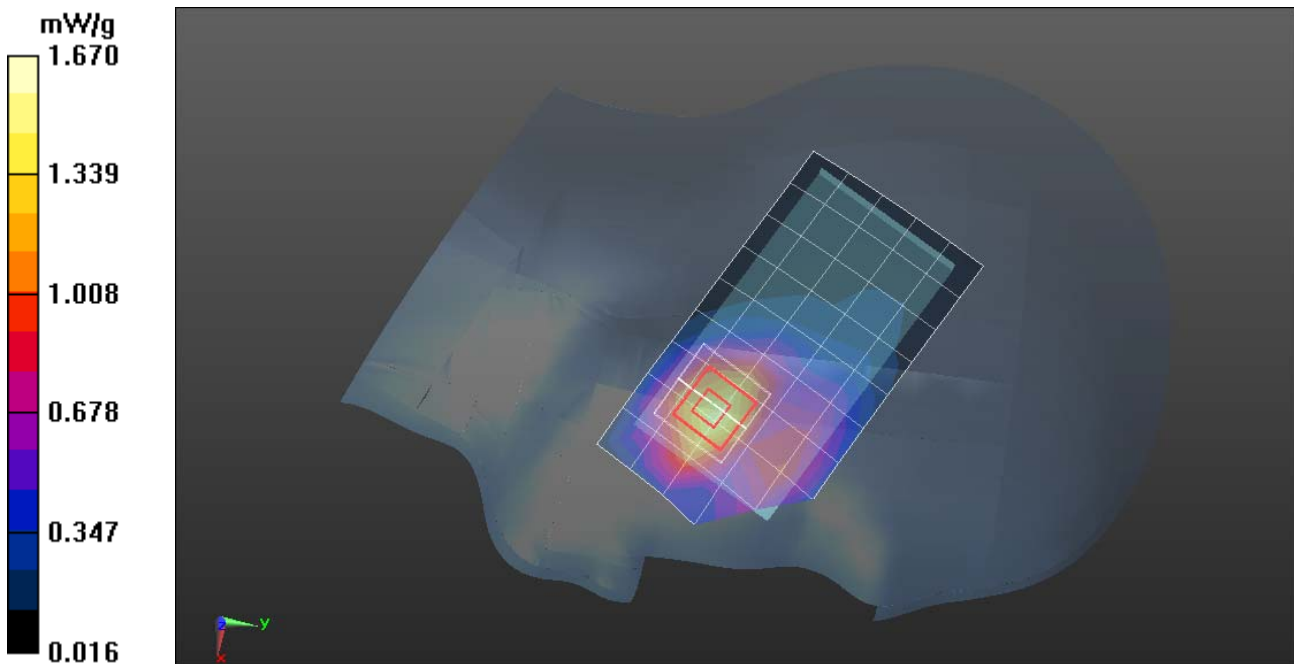
dy=5mm, dz=3mm

Reference Value = 9.008 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 2.3860

**SAR(1 g) = 0.962 mW/g; SAR(10 g) = 0.519 mW/g**

Maximum value of SAR (measured) = 1.670 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Left Head Cheek Middle CH9400**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.403$  mho/m;  $\epsilon_r = 40$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Left Head Cheek Middle CH9400/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.100 mW/g

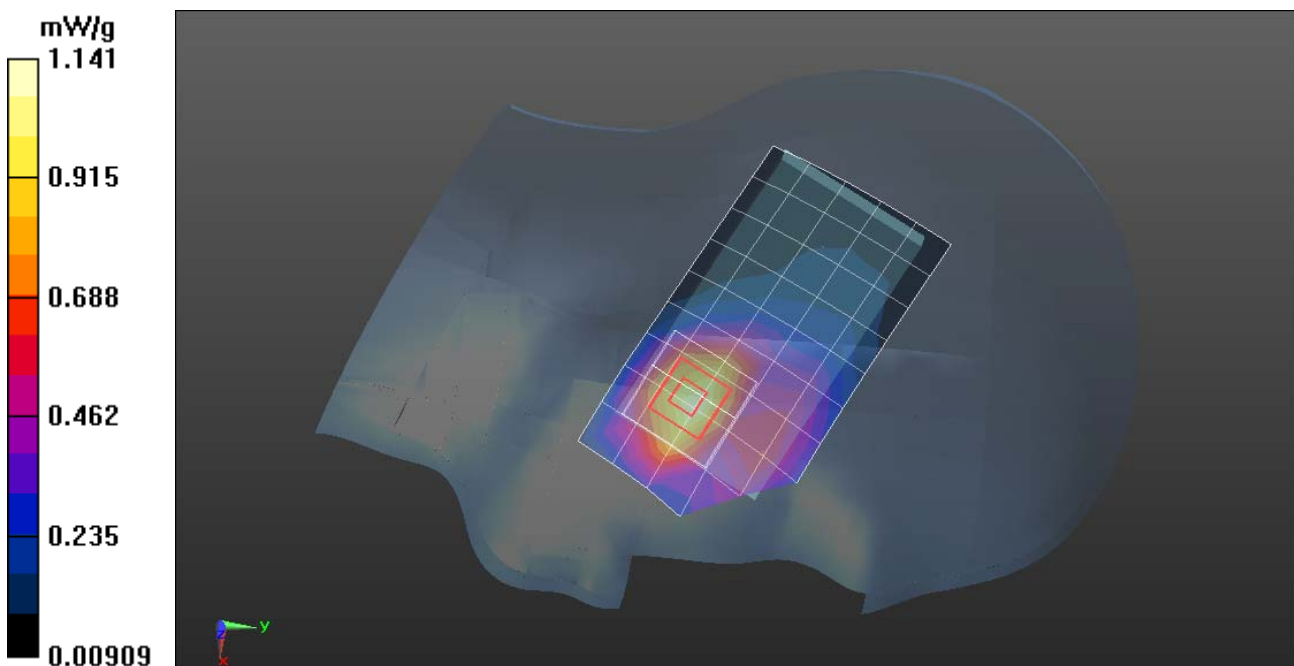
**WCDMA/Left Head Cheek Middle CH9400/Zoom Scan (8x8x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 9.051 V/m; Power Drift = -0.38 dB

Peak SAR (extrapolated) = 1.6660

**SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.431 mW/g**

Maximum value of SAR (measured) = 1.141 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Left Head Cheek High CH9538**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1907.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.397$  mho/m;  $\epsilon_r = 41.154$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Left Head Cheek High CH9538/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.766 mW/g

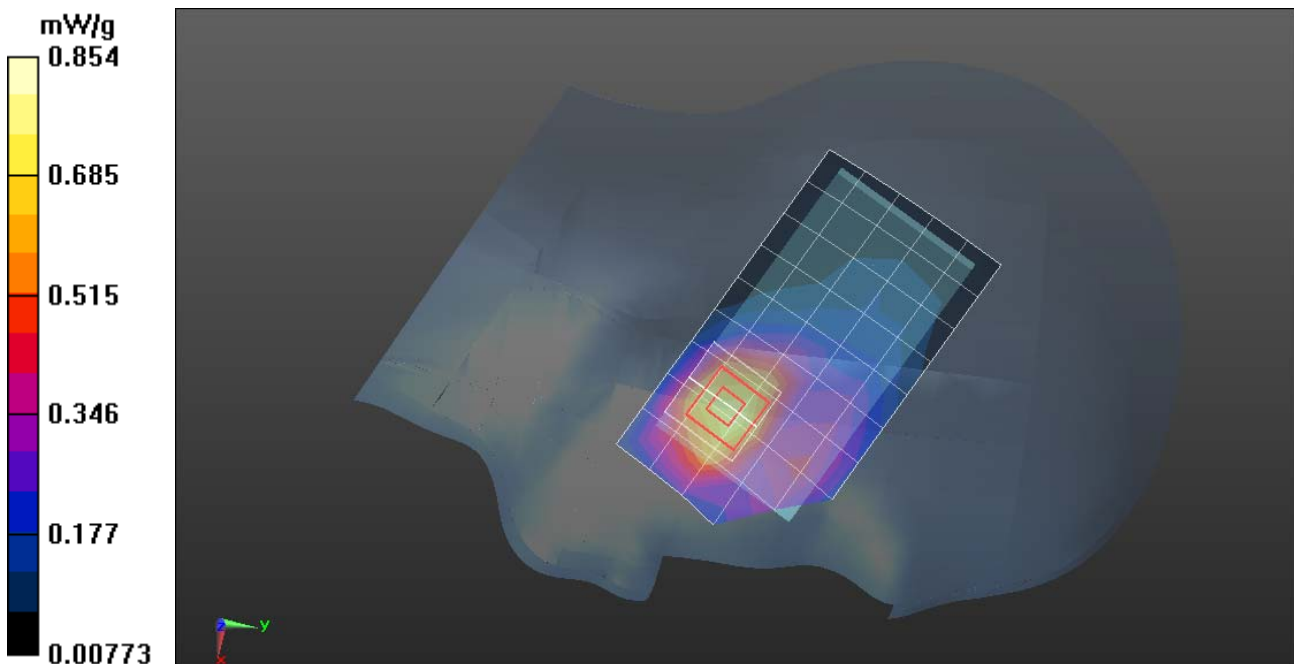
**WCDMA/Left Head Cheek High CH9538/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 8.682 V/m; Power Drift = -0.29 dB

Peak SAR (extrapolated) = 1.2460

**SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.315 mW/g**

Maximum value of SAR (measured) = 0.854 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band II-Left Head Tilted Low CH9262**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.412$  mho/m;  $\epsilon_r = 38.957$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.84, 7.84, 7.84); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Left Head Tilted Low CH9262/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm  
Maximum value of SAR (measured) = 0.269 mW/g

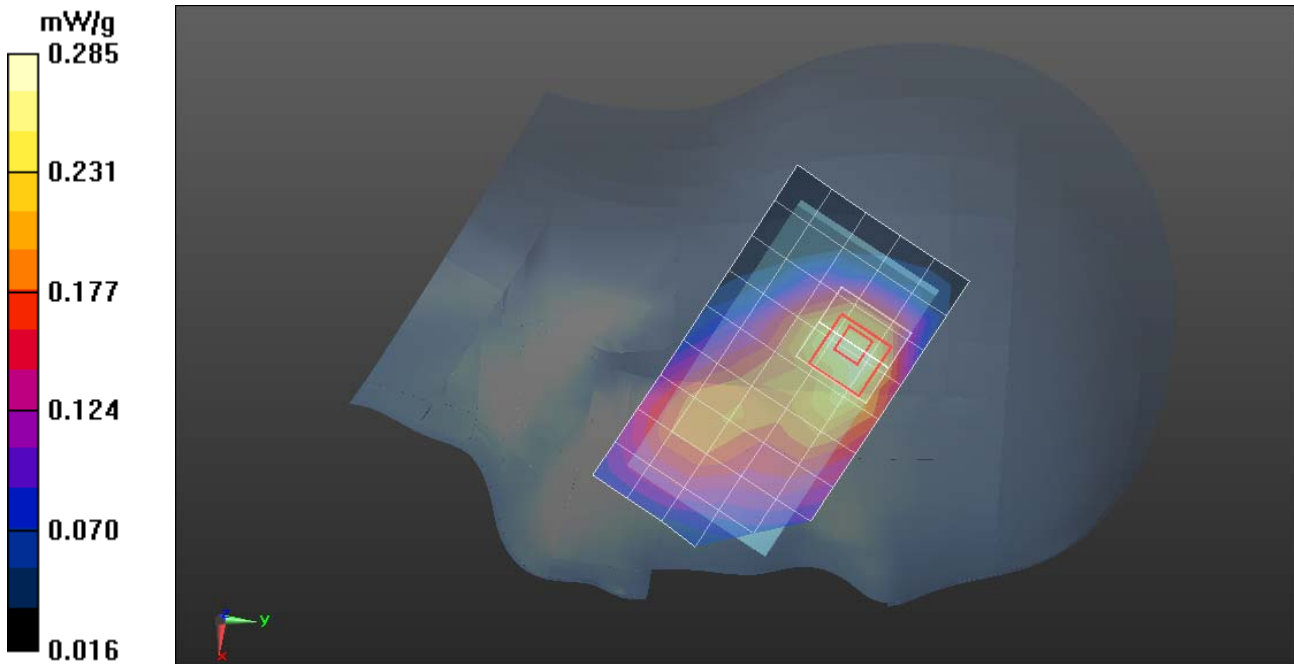
**WCDMA/Left Head Tilted Low CH9262/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 13.580 V/m; Power Drift = -2.47 dB

Peak SAR (extrapolated) = 0.4020

**SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.123 mW/g**

Maximum value of SAR (measured) = 0.285 mW/g







Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band V-Right Head Cheek Low CH4132**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 826.4 MHz; Communication System PAR: 0 dB;

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 41.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012 :
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Band V/Right Cheek Low CH4132/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.051 mW/g

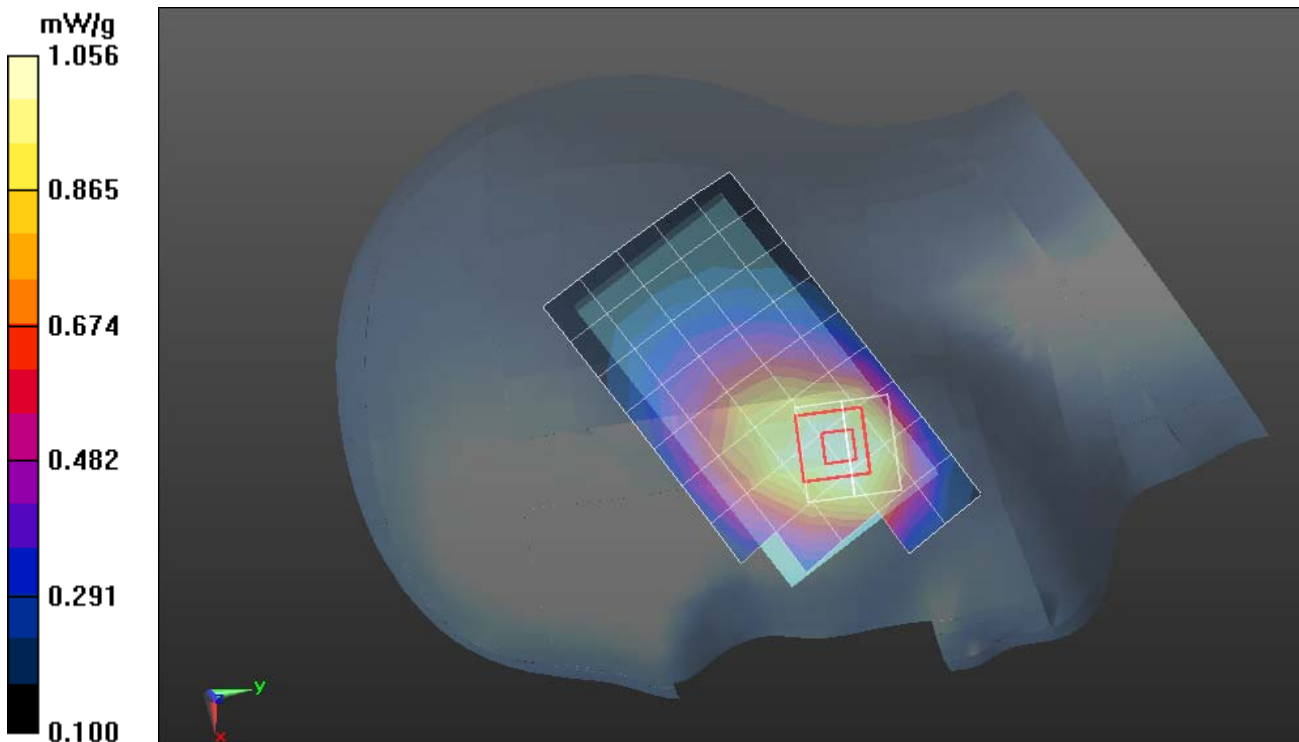
**Band V/Right Cheek Low CH4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 3.955 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.560 mW/g

**SAR(1 g) = 0.646 mW/g; SAR(10 g) = 0.433 mW/g**

Maximum value of SAR (measured) = 1.056 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band V-Right Head Tilted Low CH4132**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 826.4 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 41.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Band V/Right Tilted Low CH4132/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.242 mW/g

**Band V/Right Tilted Low CH4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm,

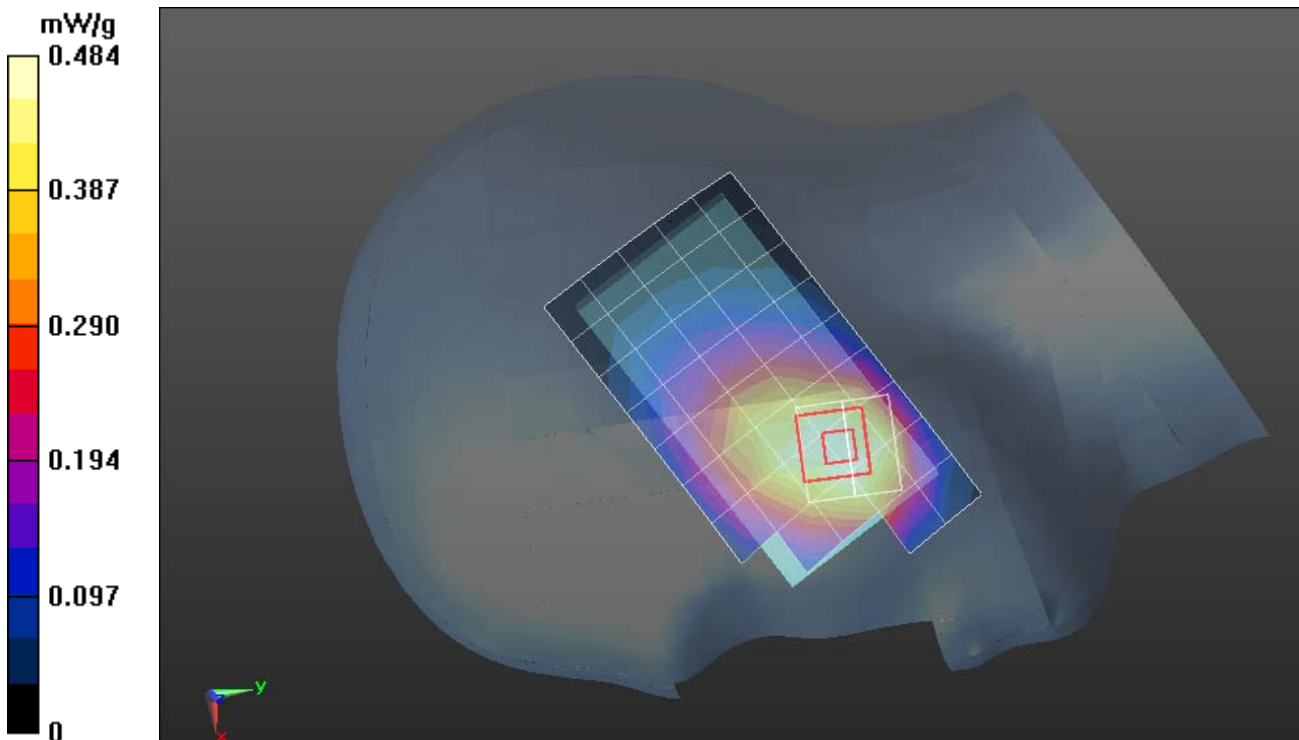
dy=7.5mm, dz=5mm

Reference Value = 5.571 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.610 mW/g

**SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.107 mW/g**

Maximum value of SAR (measured) = 0.484 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band V-Left Head Cheek Low CH4132**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 826.4 MHz; Communication System PAR: 0 dB;

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 41.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Band V/Left Cheek Low CH4132/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.854 mW/g

**Band V/Left Cheek Low CH4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

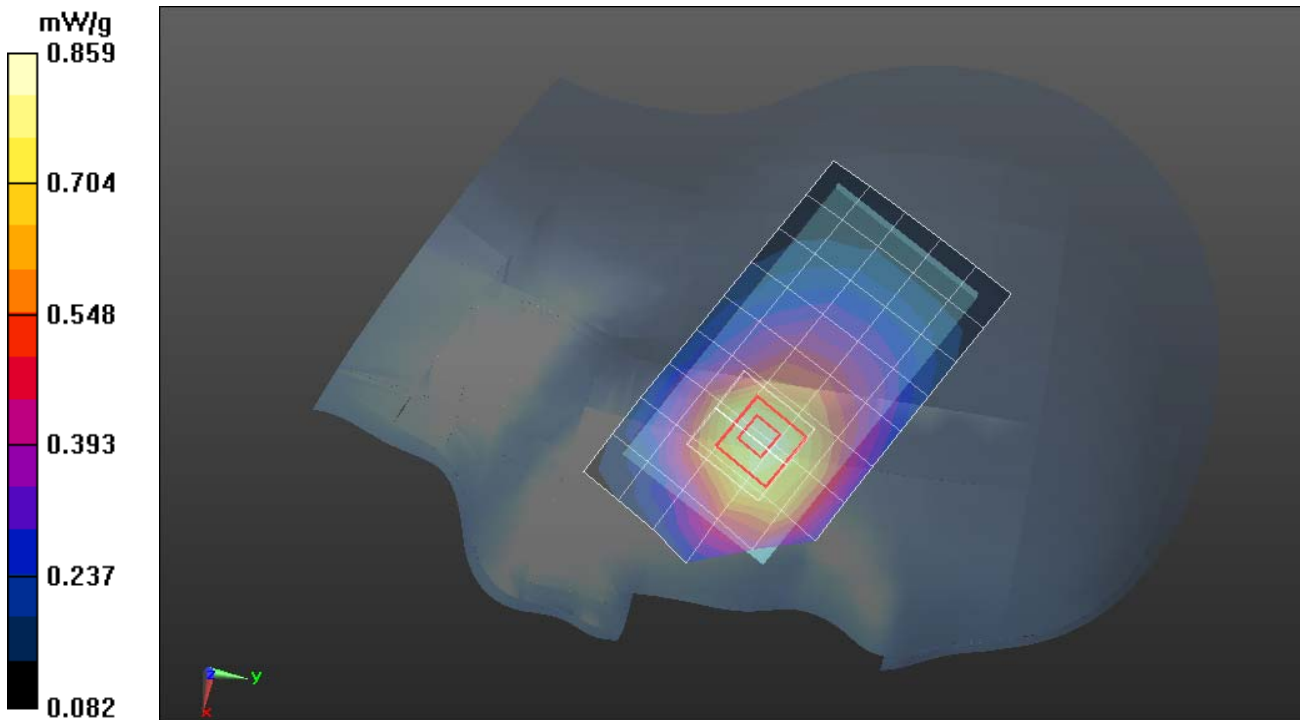
Reference Value = 4.336 V/m; Power Drift = 0.21 dB

Peak SAR (extrapolated) = 1.537 mW/g

Peak SAR (extrapolated) = 1.537 mW/g

**SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.135 mW/g**

Maximum value of SAR (measured) = 0.859 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA Band V-Left Head Tilted Low CH4132**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 826.4 MHz; Communication System PAR: 0 dB;

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 41.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Band V/Left Tilted Low CH4132/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.251 mW/g

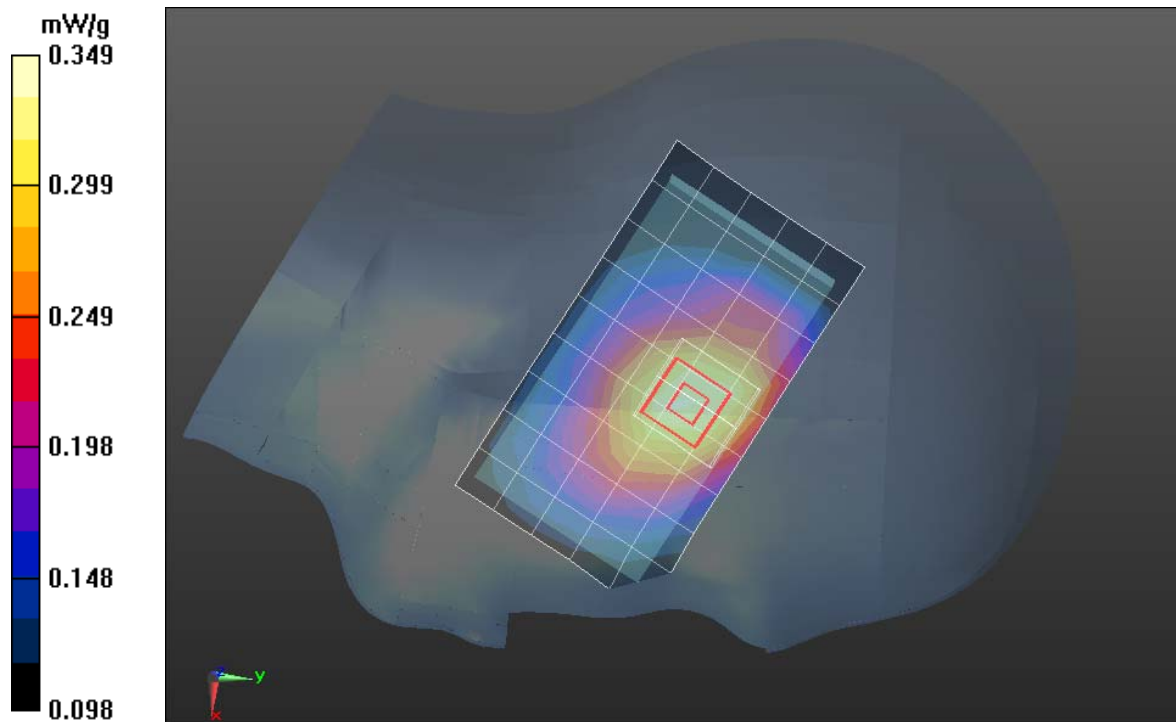
**Band V/Left Tilted Low CH4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 4.458 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.452 mW/g

**SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.124 mW/g**

Maximum value of SAR (measured) = 0.349 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA HSDPA Band II-Body Up Low CH9262**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.527$  mho/m;  $\epsilon_r = 52.807$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Body Up Low CH9262/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.023 mW/g

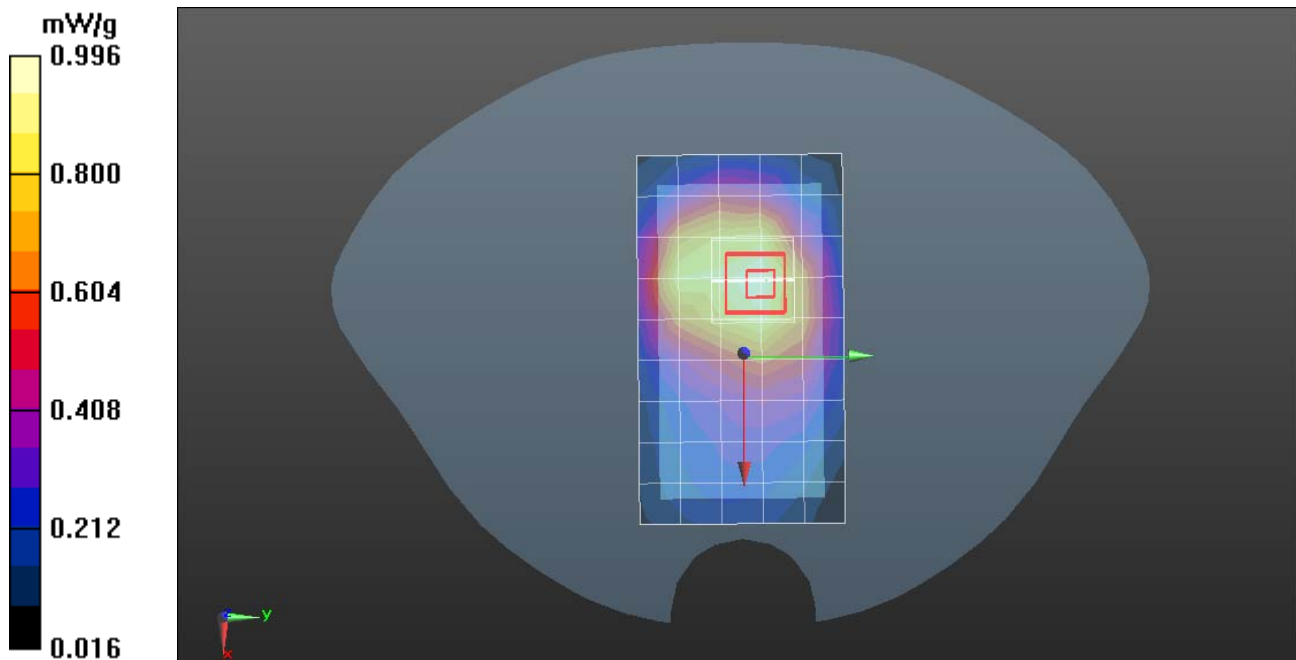
**WCDMA/Body Up Low CH9262/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 21.767 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.4860

**SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.396 mW/g**

Maximum value of SAR (measured) = 0.996 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA HSDPA Band II-Body Down Low CH9262**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1852.4 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1852.4$  MHz;  $\sigma = 1.527$  mho/m;  $\epsilon_r = 52.807$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Body Down Low CH9262/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.640 mW/g

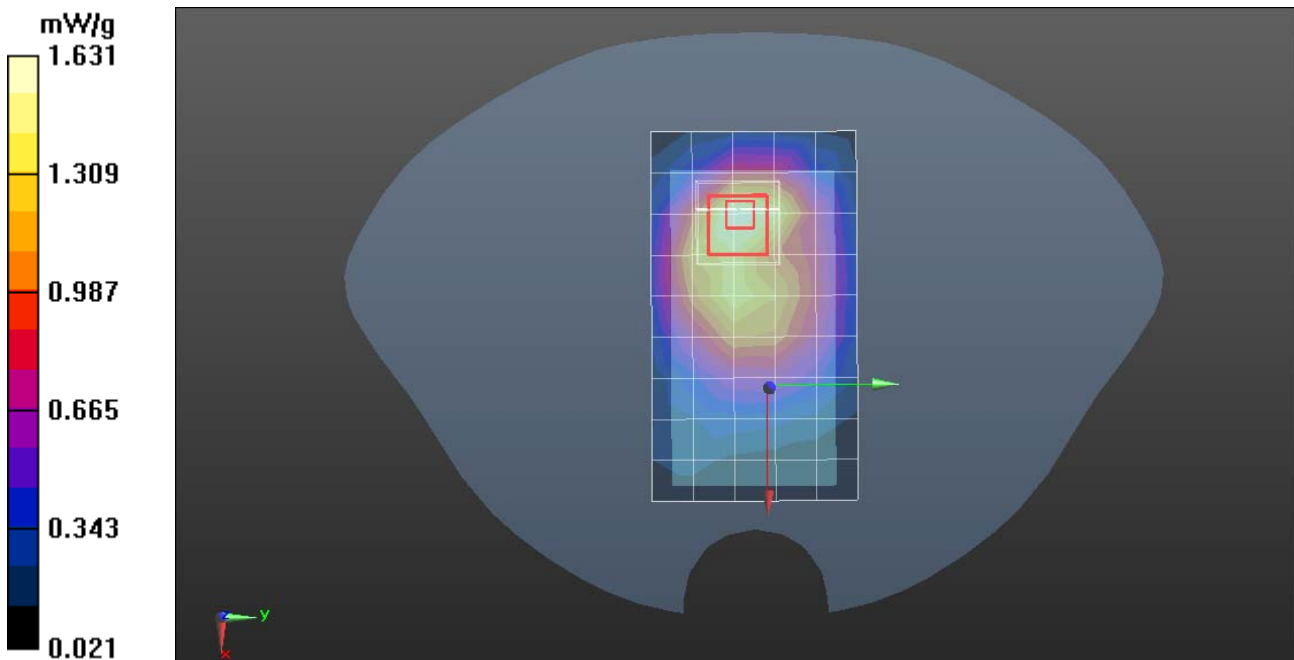
**WCDMA/Body Down Low CH9262/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 29.137 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.4310

**SAR(1 g) = 1.023 mW/g; SAR(10 g) = 0.632 mW/g**

Maximum value of SAR (measured) = 1.631 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA HSDPA Band II-Body Down Middle CH9400**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1880 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.522$  mho/m;  $\epsilon_r = 53.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Body Down Middle CH9400/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.230 mW/g

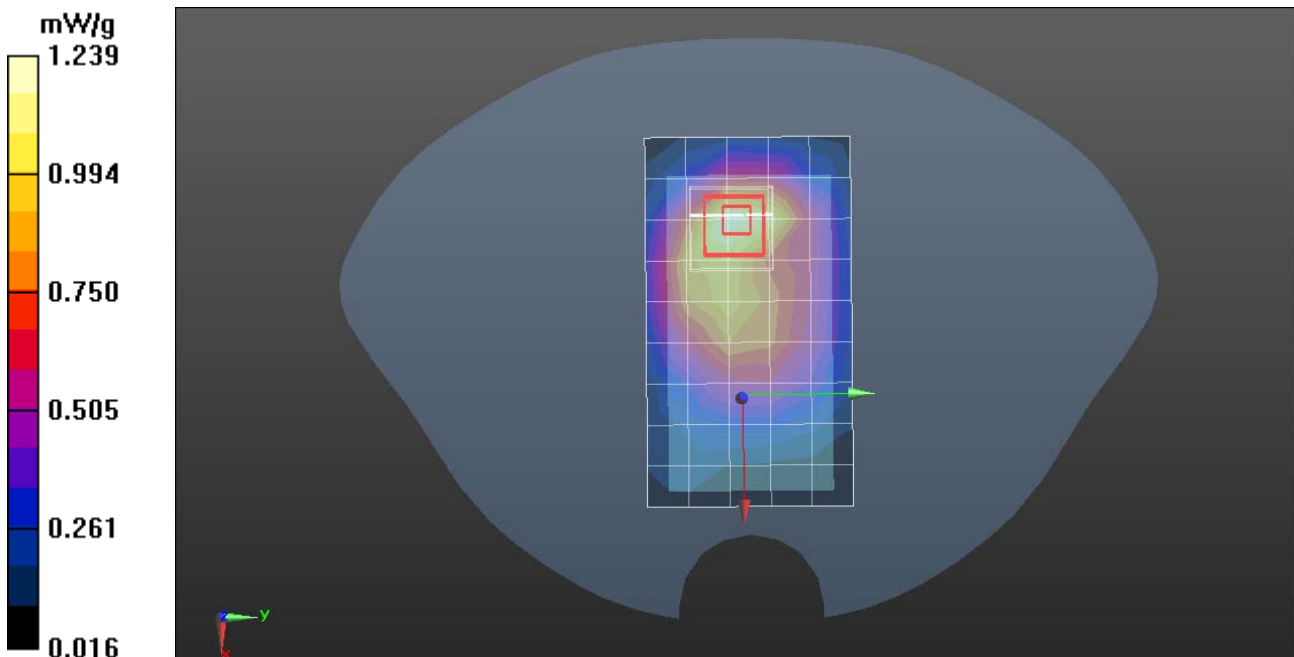
**WCDMA/Body Down Middle CH9400/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 24.489 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.8520

**SAR(1 g) = 0.904 mW/g; SAR(10 g) = 0.469 mW/g**

Maximum value of SAR (measured) = 1.239 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA HSDPA Band II-Body Down High CH9538**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band II; Frequency: 1907.6 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 1907.6$  MHz;  $\sigma = 1.518$  mho/m;  $\epsilon_r = 53.392$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.23, 7.23, 7.23); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**WCDMA/Body Down High CH9538/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.899 mW/g

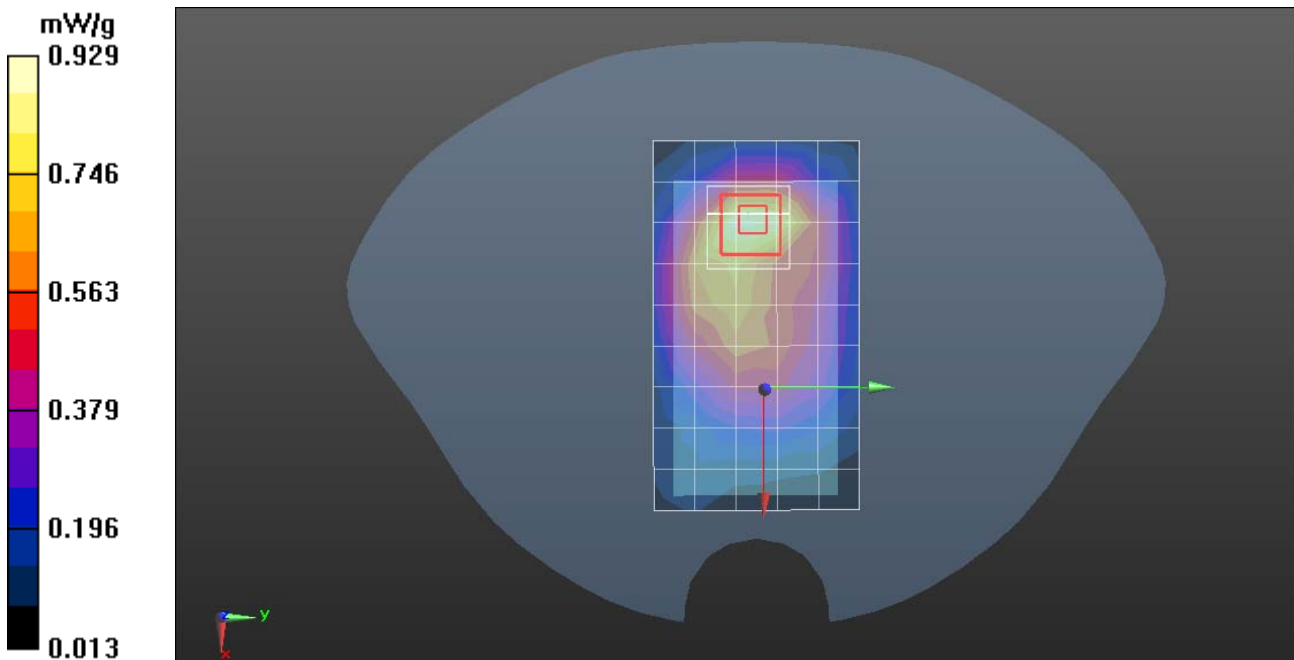
**WCDMA/Body Down High CH9538/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=3mm

Reference Value = 20.092 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.4120

**SAR(1 g) = 0.683 mW/g; SAR(10 g) = 0.351 mW/g**

Maximum value of SAR (measured) = 0.929 mW/g







Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA HSDPA Band V-Body Up Low CH4132**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 826.4 MHz; Communication System PAR: 0 dB;

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 41.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 3mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Band V/Body Up Low CH4132/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.378 mW/g

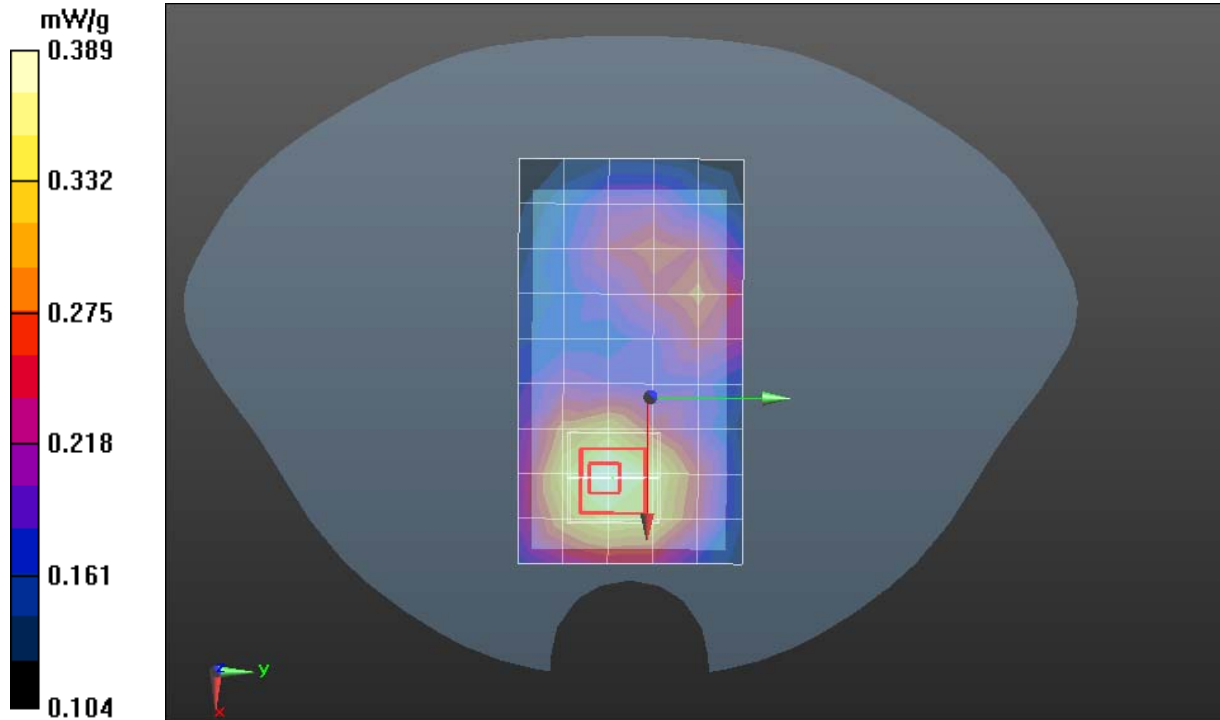
**Band V/Body Up Low CH4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.621 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.415 mW/g

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.138 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**WCDMA HSDPA Band V-Body Down Low CH4132**

**DUT: Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: FDD WCDMA; Communication System Band: Band V; Frequency: 826.4 MHz; Communication System PAR: 0 dB

Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.897$  mho/m;  $\epsilon_r = 41.78$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY Configuration:

- Probe: EX3DV4 - SN3755; ConvF(8.99, 8.99, 8.99); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

**Band V/Body Down Low CH4132/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.309 mW/g

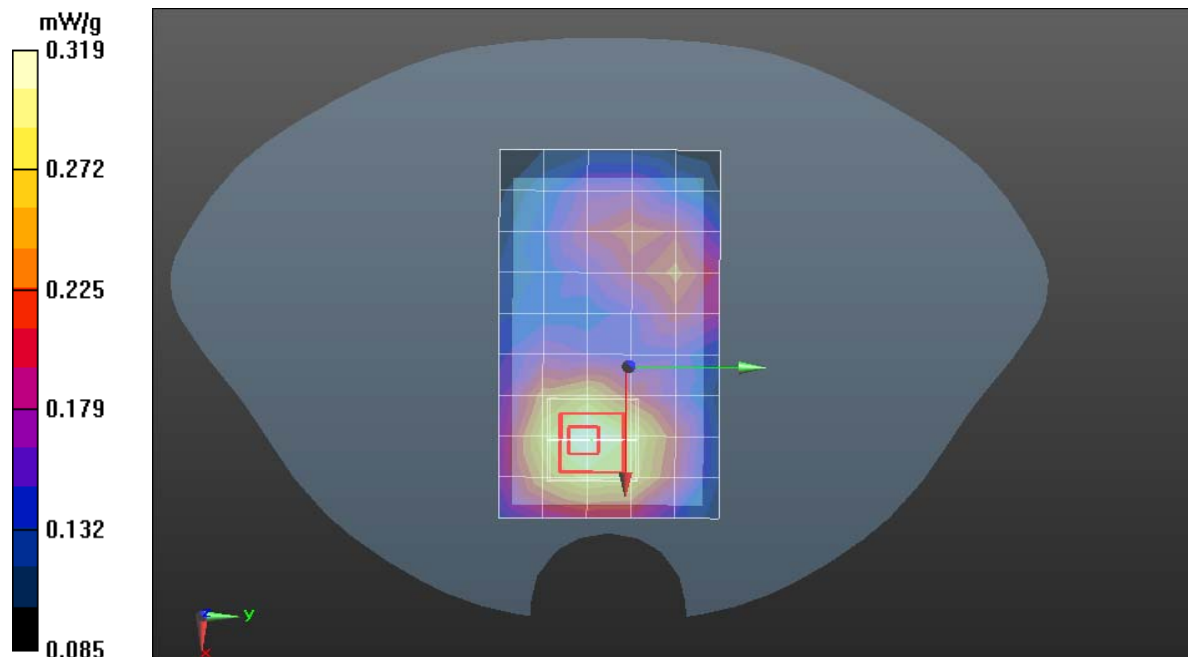
**Band V/Body Down Low CH4132/Zoom Scan (6x6x7)/Cube 0:** Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 7.524 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.389 mW/g

**SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.117 mW/g**

Maximum value of SAR (measured) = 0.319 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b-Right Head Cheek Low CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.817$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$ kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b/Right Cheek Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.219 mW/g

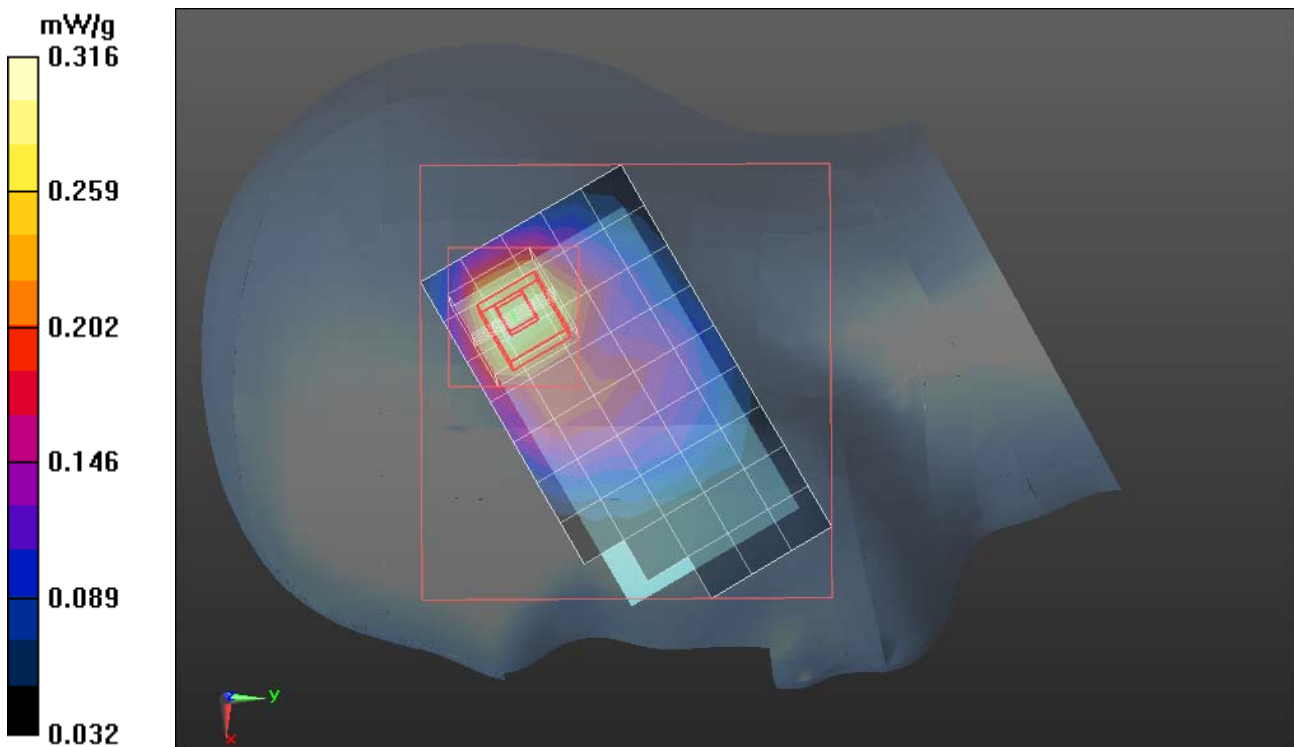
**IEEE 802.11b/Right Cheek Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.366 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.673 W/kg

**SAR(1 g) = 0.285mW/g; SAR(10 g) = 0.134mW/g**

Maximum value of SAR (measured) = 0.316 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b-Right Head Cheek Middle CH6**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.818$  mho/m;  $\epsilon_r = 37.997$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b/Right Cheek Middle CH6/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.247 mW/g

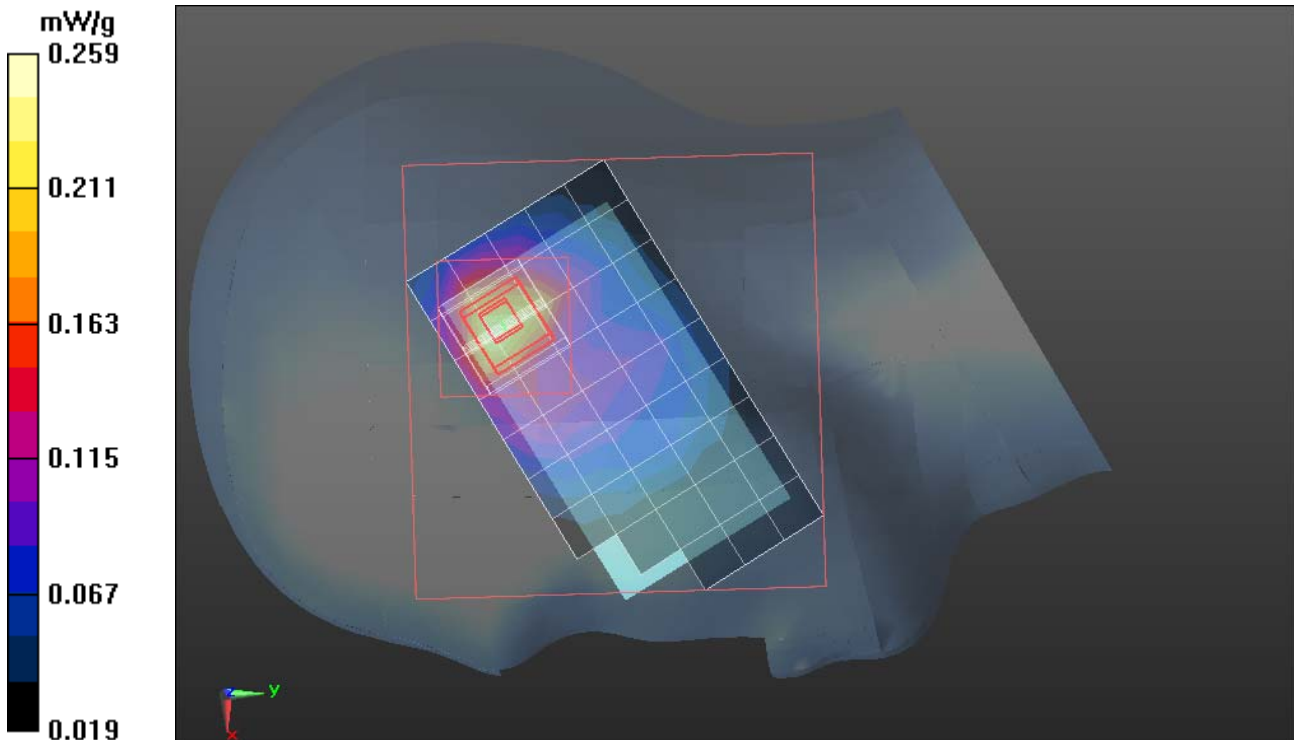
**IEEE 802.11b/Right Cheek Middle CH6/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.730 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.562 W/kg

**SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.259 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b-Right Head Cheek High CH11**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2462 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 37.772$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b/Right Cheek High CH11/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.128 mW/g

**IEEE 802.11b/Right Cheek High CH11/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

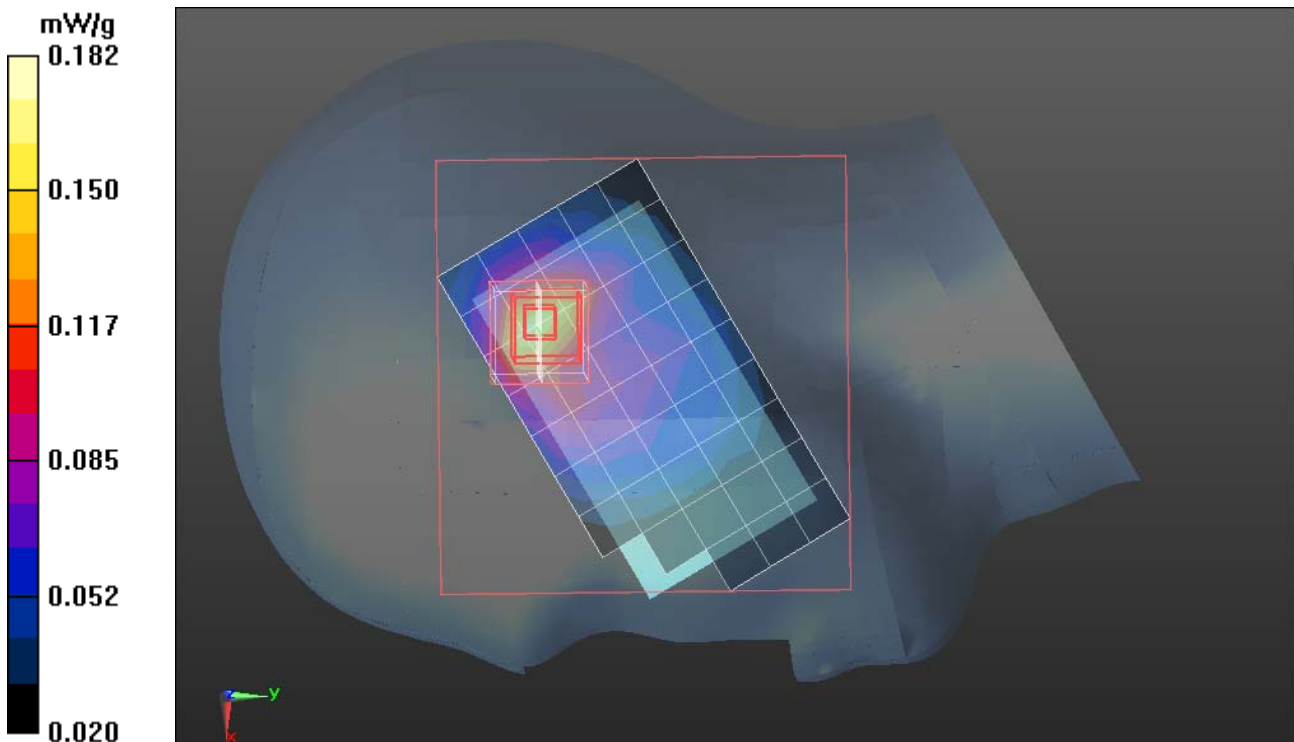
Reference Value = 12.756 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.527 W/kg

Peak SAR (extrapolated) = 0.527 W/kg

**SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.182 mW/g





Test Laboratory: Compliance Certification Services Inc.

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**IEEE 802.11b-Right Head Tilted Low CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.817$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b/Right Tilted Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.462 mW/g

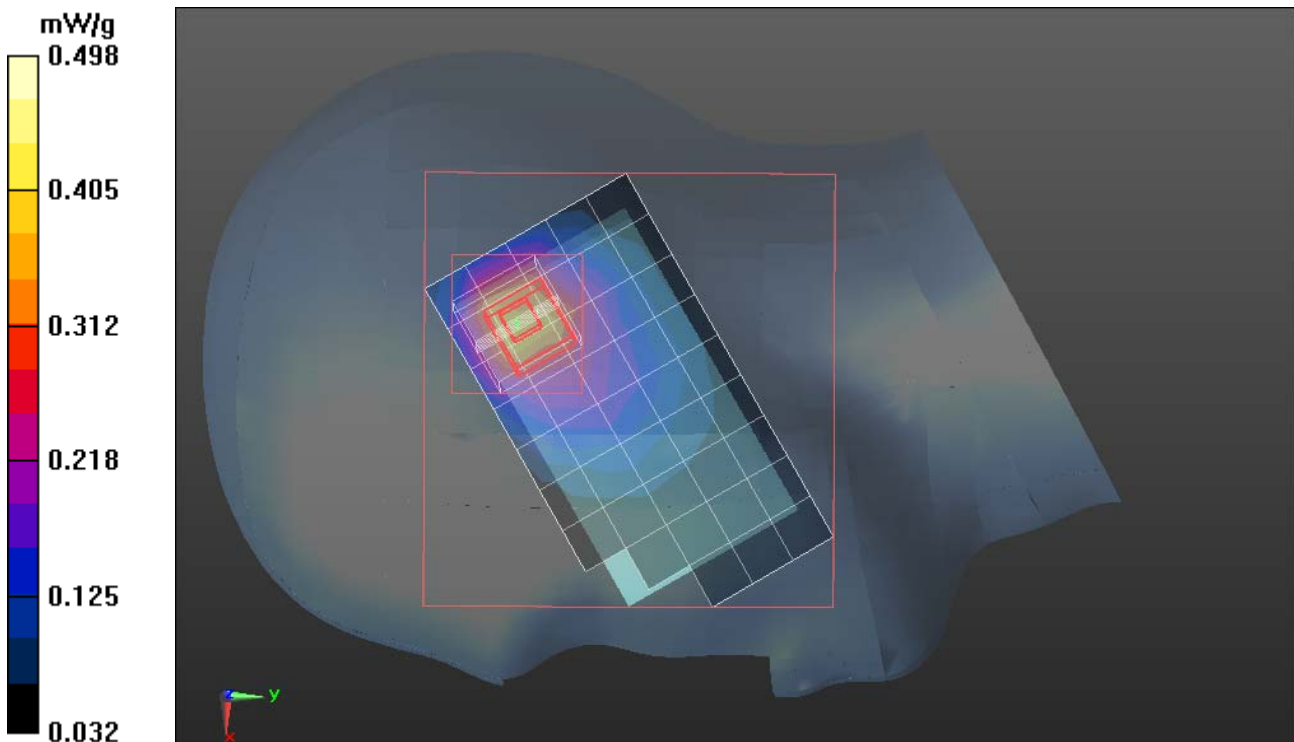
**IEEE 802.11b/Right Tilted Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.717 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.755 W/kg

**SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.126 mW/g**

Maximum value of SAR (measured) = 0.498 mW/g





Test Laboratory: Compliance Certification Services Inc.

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**IEEE 802.11b-Left Head Cheek Low CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.823$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /Left Cheek Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.307 mW/g

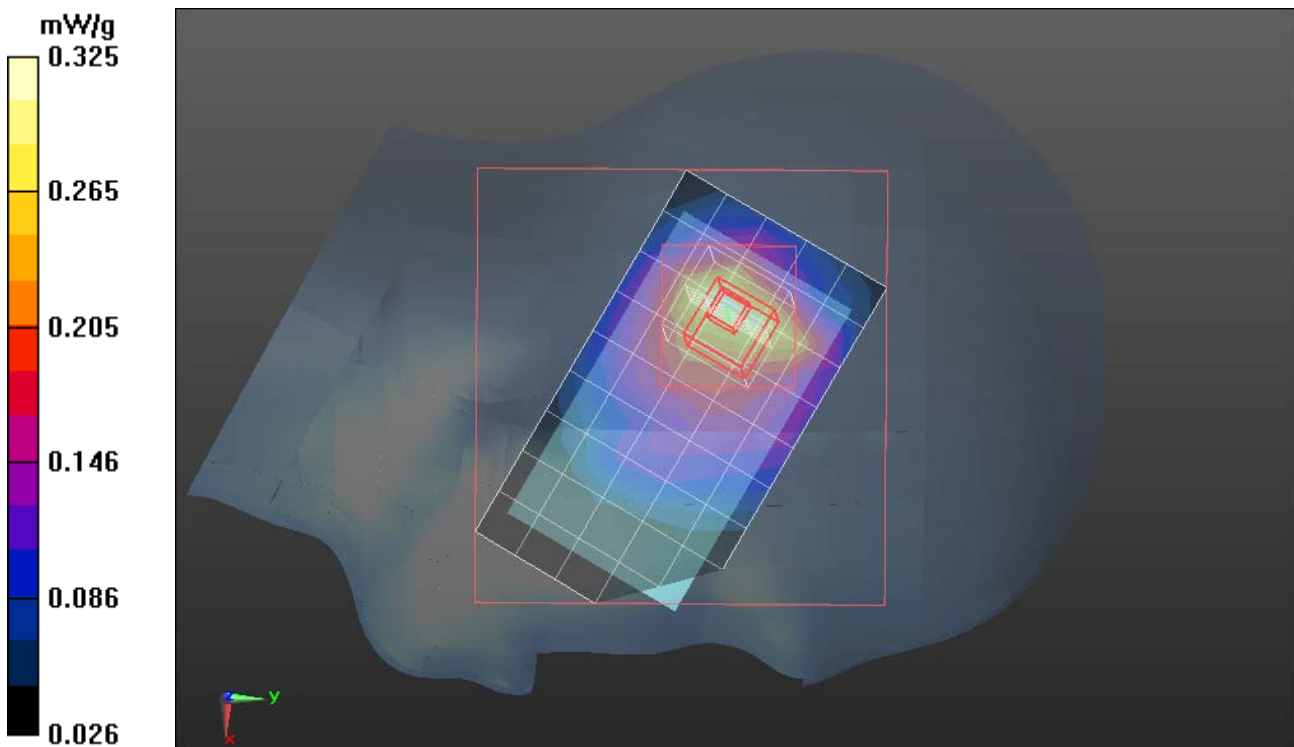
**IEEE 802.11b /Left Cheek Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.497 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.736 W/kg

**SAR(1 g) = 0.237 mW/g; SAR(10 g) = 0.158 mW/g**

Maximum value of SAR (measured) = 0.325 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b-Left Head Tilted Low CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.823$  mho/m;  $\epsilon_r = 38.149$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.07, 7.07, 7.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /Left Tilted Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.312 mW/g

**IEEE 802.11b /Left Tilted Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

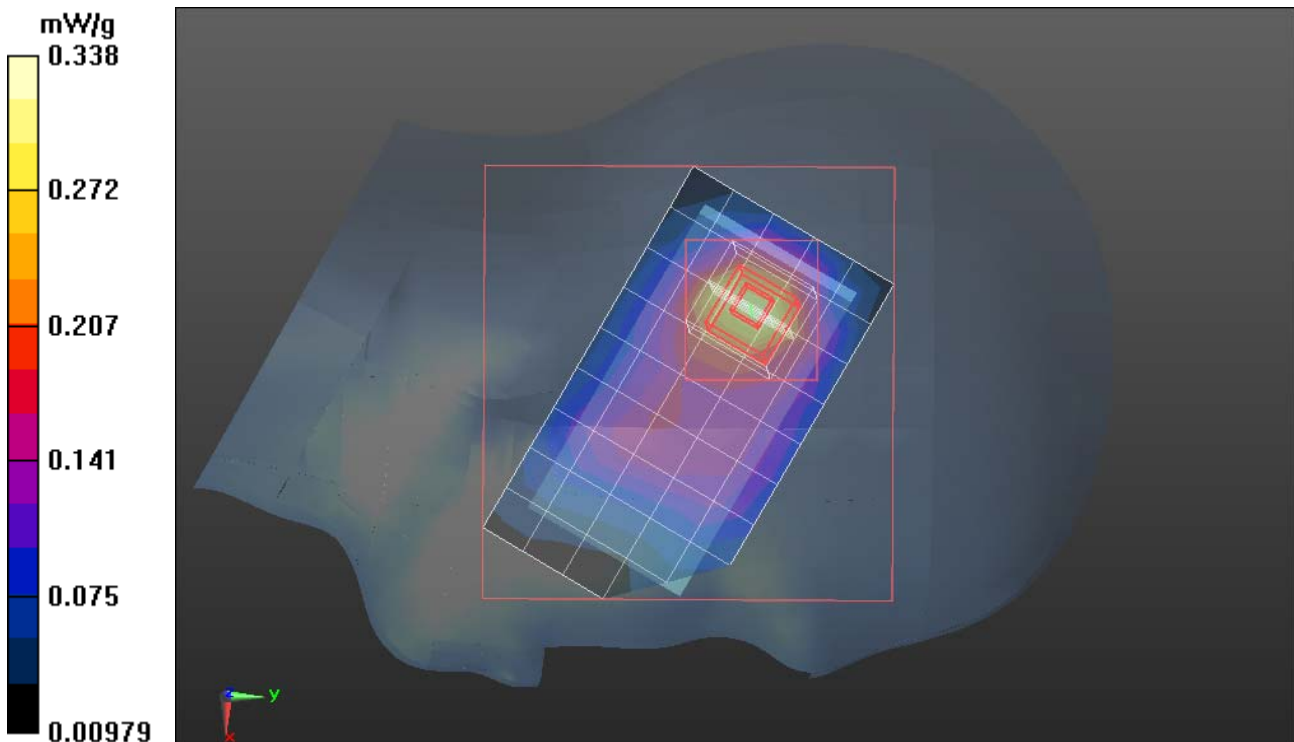
Reference Value = 13.032 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.460 W/kg

Peak SAR (extrapolated) = 0.460 W/kg

**SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.147 mW/g**

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







Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b (hotspot) -Body Up Low CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.68$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /802.11b Body Up Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

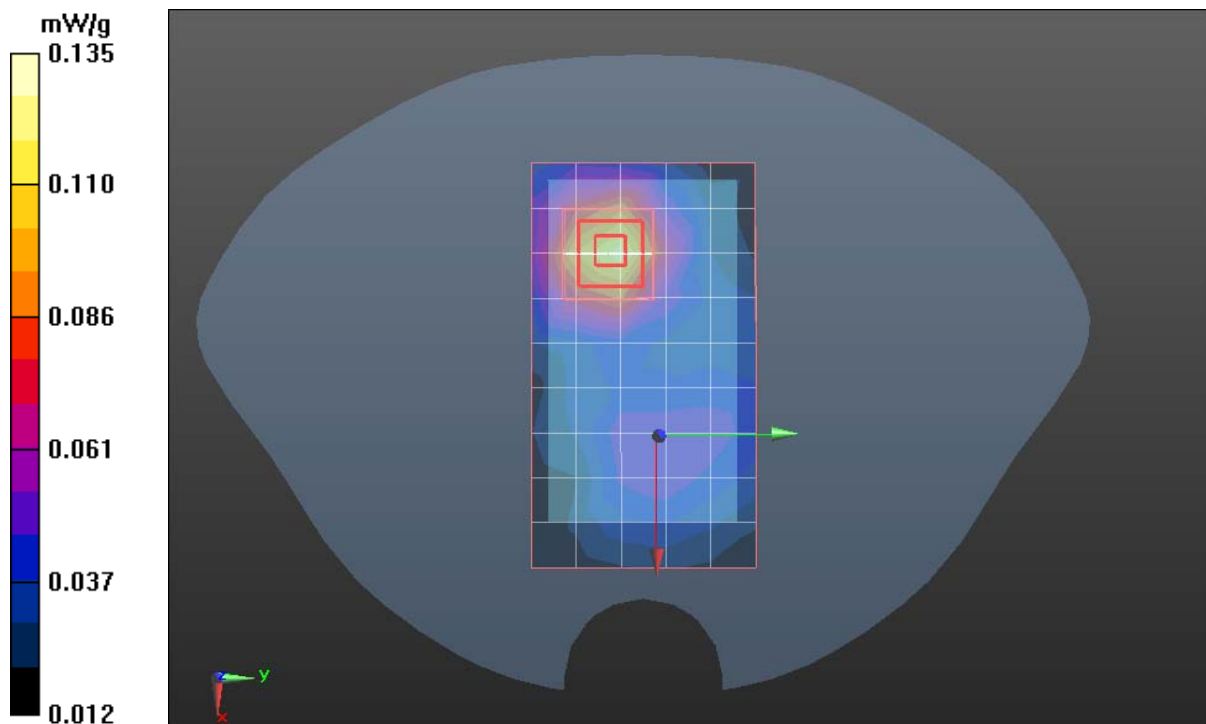
**IEEE 802.11b /802.11b Body Up Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.785 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.378 W/kg

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.085 mW/g**

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





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b (hotspot) -Body Down Low CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 51.68$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /802.11b Body Down Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

**IEEE 802.11b /802.11b Body Down Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

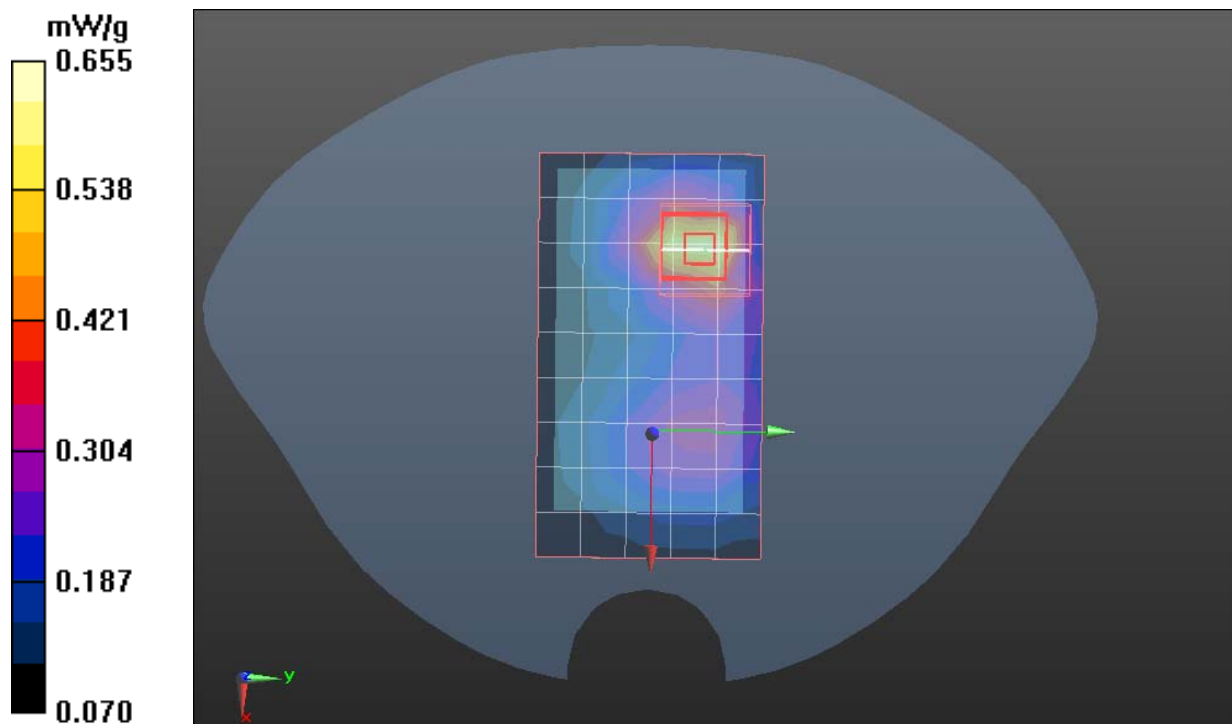
dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.220 V/m; Power Drift = -0.0029 dB

Peak SAR (extrapolated) = 0.842 W/kg

**SAR(1 g) = 0.432 mW/g; SAR(10 g) = 0.244 mW/g**

Maximum value of SAR (measured) = 0.655 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b (hotspot) -Body Down Middle CH6**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2437 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2437$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 52.70$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /802.11b Body Down Middle CH6/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.544 mW/g

**IEEE 802.11b /802.11b Body Down Middle CH6/Zoom Scan (7x7x9)/Cube 0:** Measurement grid:

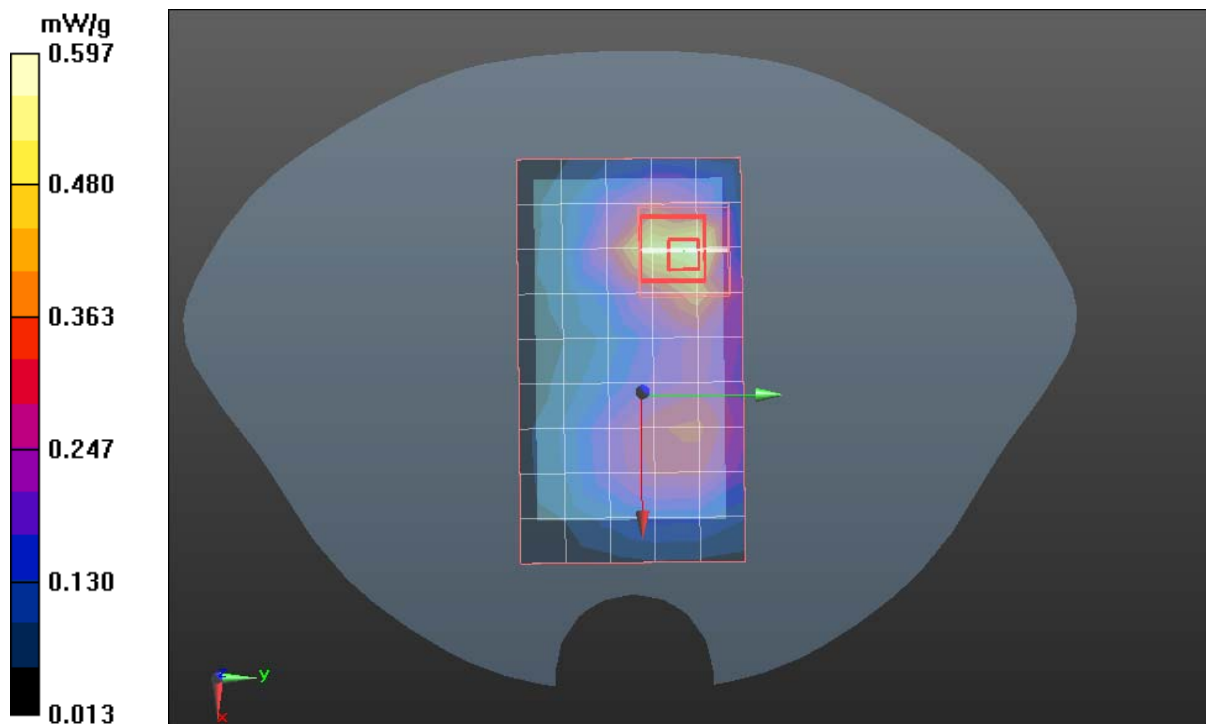
dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.250 V/m; Power Drift = 0.0013 dB

Peak SAR (extrapolated) = 0.688 W/kg

**SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.225 mW/g**

Maximum value of SAR (measured) = 0.597 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b (hotspot) -Body Down High CH11**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2462 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2462$  MHz;  $\sigma = 1.96$  mho/m;  $\epsilon_r = 53.84$ ;  $\rho = 1000$  kg/mPP<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /802.11b Body Down HighCH11/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.450 mW/g

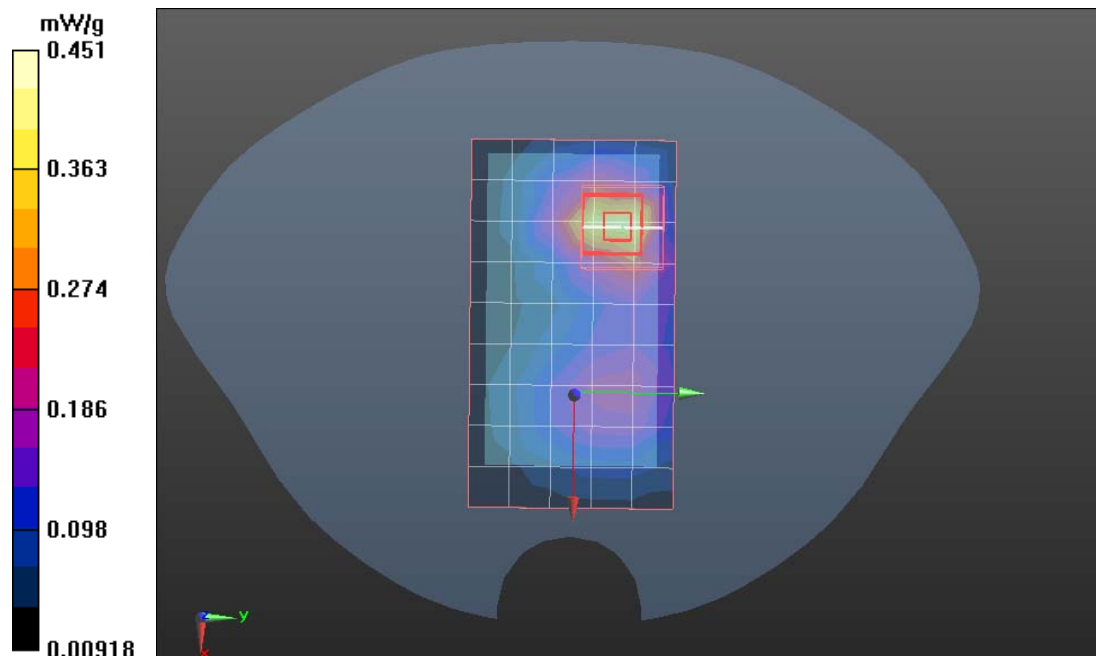
**IEEE 802.11b /802.11b Body Down HighCH11/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.317 V/m; Power Drift = -0.0085 dB

Peak SAR (extrapolated) = 0.782 W/kg

**SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.225 mW/g**

Maximum value of SAR (measured) = 0.451 mW/g





Test Laboratory: Compliance Certification Services Inc.

March 4, 2012

**IEEE 802.11b (hotspot) -Body Top CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.68$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASYS2, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /802.11b Body Top Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

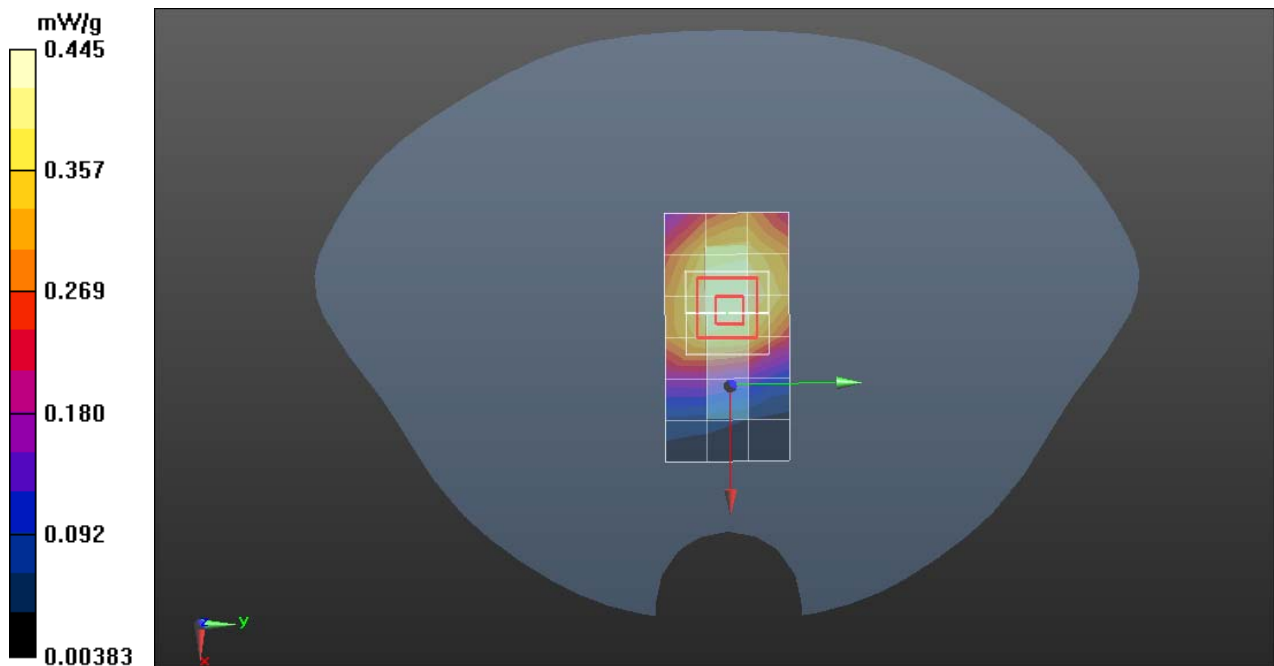
**IEEE 802.11b /802.11b Body Top Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.785 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.378 W/kg

**SAR(1 g) = 0.342mW/g; SAR(10 g) = 0.186mW/g**

Maximum value of SAR (measured) = 0.445/g





Test Laboratory: Compliance Certification Services Inc.

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**IEEE 802.11b (hotspot) -Body Left CH1**

**DUT:Mobile Phone; Type: AX520; Serial: 352099001761481**

Communication System: IEEE 802.11b; Communication System Band: ISM 2.4GHz Band; Frequency: 2412 MHz; Communication System PAR: 0 dB

Medium parameters used (interpolated):  $f = 2412$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 51.68$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(7.06, 7.06, 7.06); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

**IEEE 802.11b /802.11b Body Left Low CH1/Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

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

**IEEE 802.11b /802.11b Body Left Low CH1/Zoom Scan (7x7x9)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.785 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.378 W/kg

**SAR(1 g) = 0.357mW/g; SAR(10 g) = 0.143 mW/g**

Maximum value of SAR (measured) = 0.608/g

