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Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Right Head Cheek Low CH128

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.628$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Right Head Cheek Low CH128/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.489 mW/g

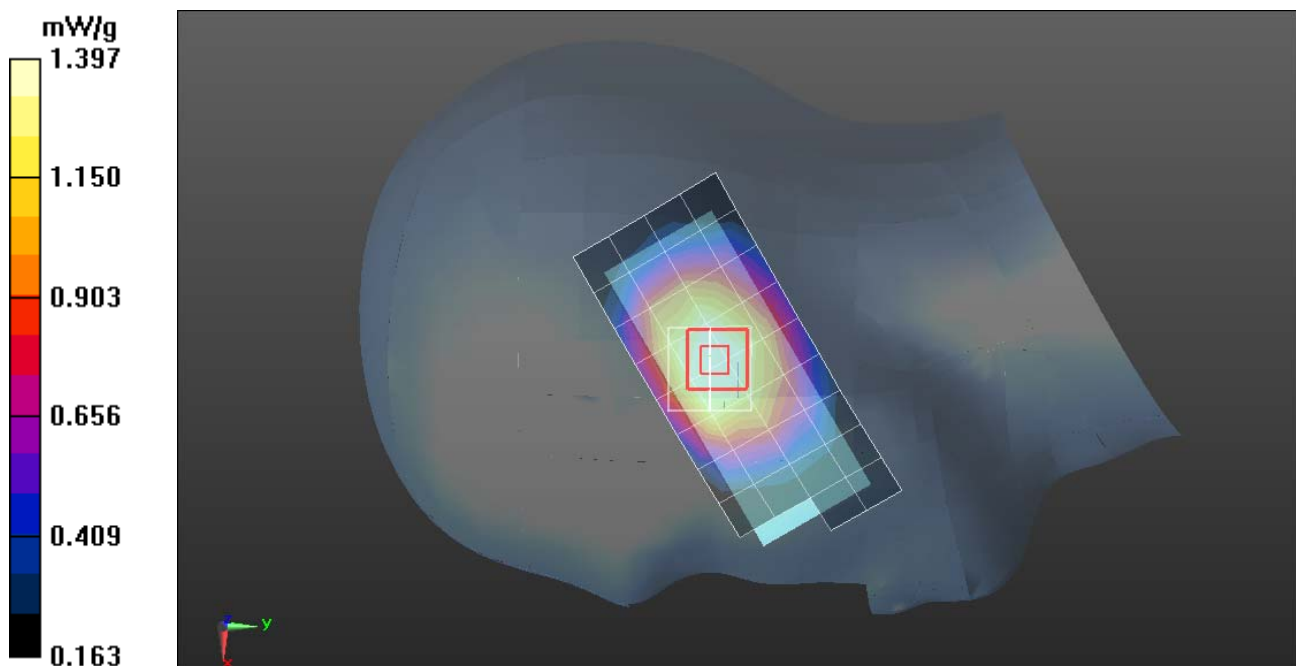
GSM850/Right Head Cheek Low CH128/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 35.315 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.751 mW/g

SAR(1 g) = 1.33 mW/g; SAR(10 g) = 0.982 mW/g

Maximum value of SAR (measured) = 1.397 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Right Head Cheek Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 9.03

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Right Head Cheek Middle CH190/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.512 mW/g

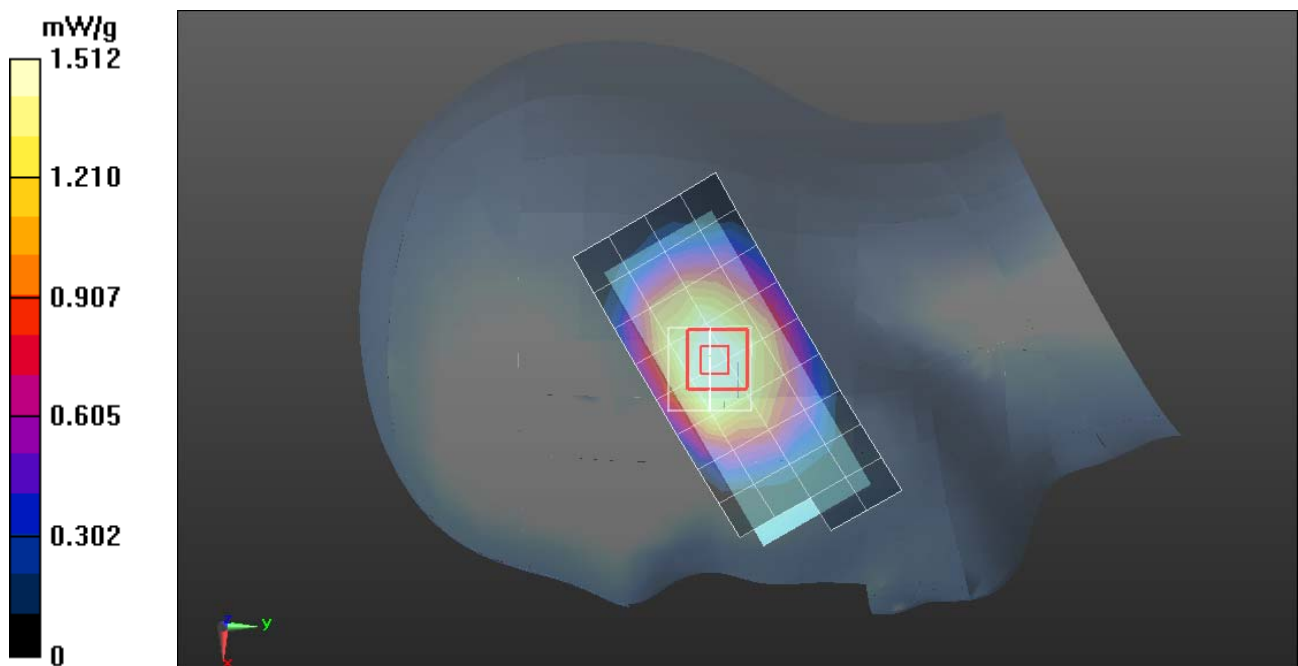
GSM850/Right Head Cheek Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.994 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.759 mW/g

SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.983 mW/g

Maximum value of SAR (measured) = 1.404 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Right Head Cheek High CH251

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 848.6$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 41.327$; $\rho = 1000$ kg/m³

Phantom section: Right Section

Measurement Standard: DASY5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Right Head Cheek High CH251/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.352 mW/g

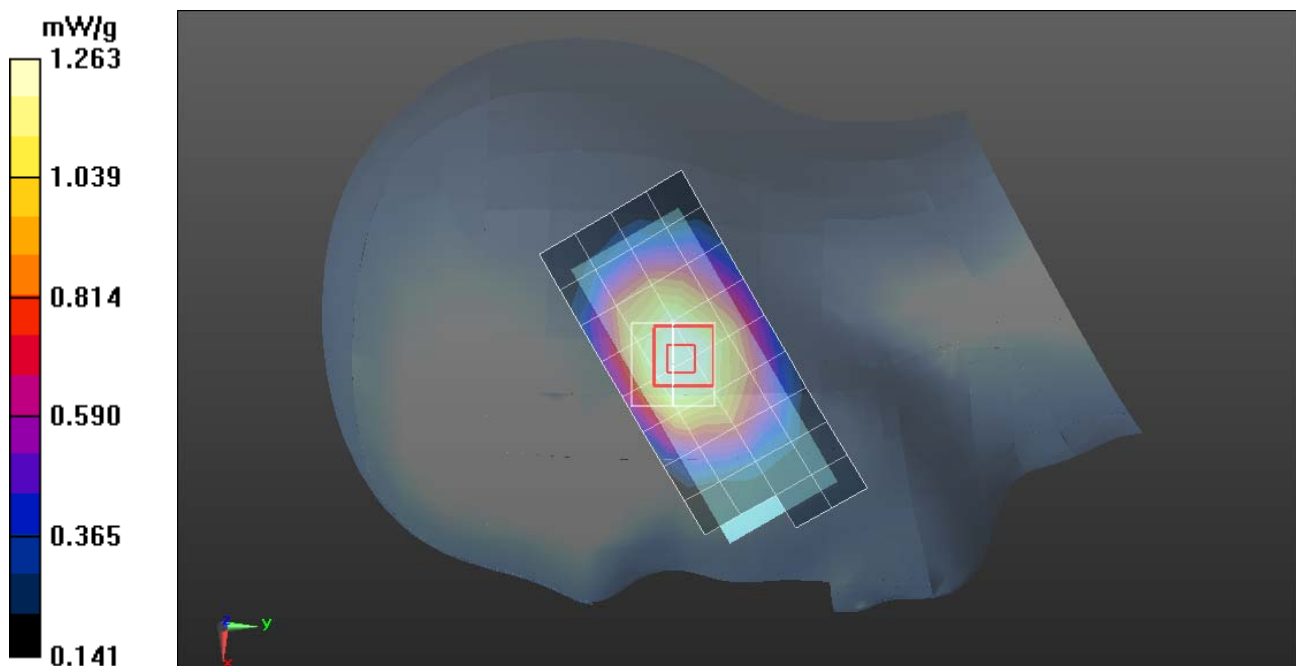
GSM850/Right Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.520 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.599 mW/g

SAR(1 g) = 1.21 mW/g; SAR(10 g) = 0.884 mW/g

Maximum value of SAR (measured) = 1.263 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Right Head Tilted Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Right Head Tilted Middle CH190/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.932 mW/g

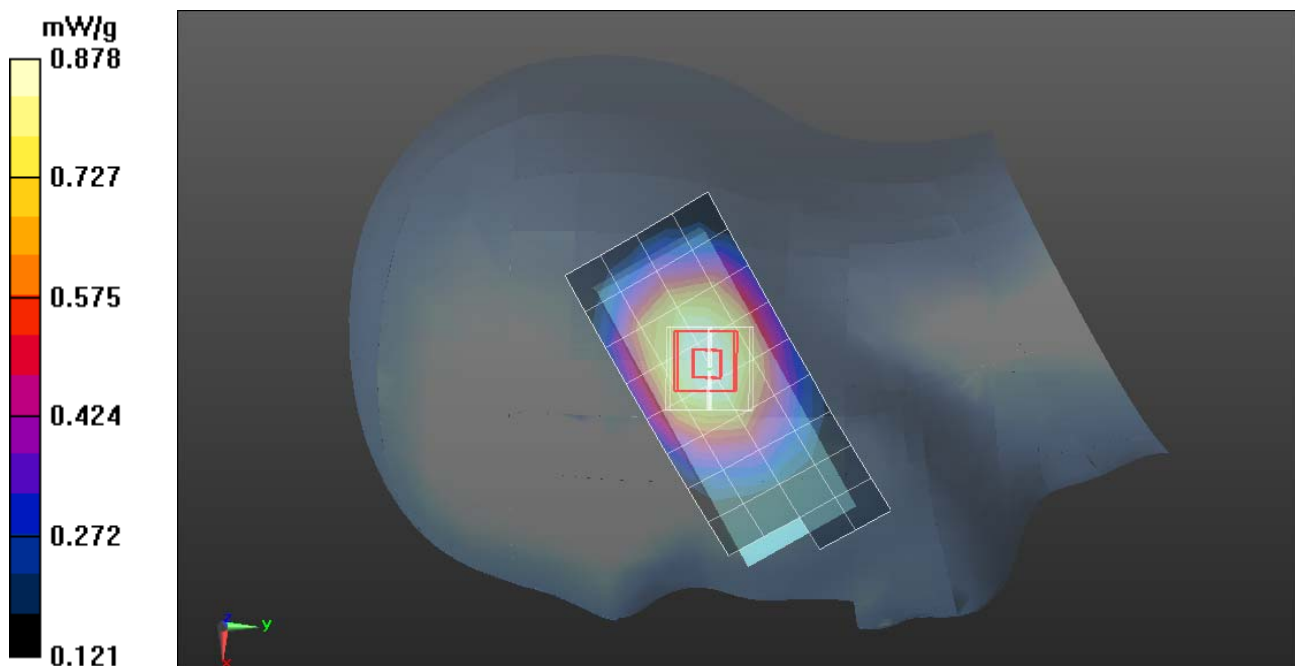
GSM850/Right Head Tilted Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 29.585 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.138 mW/g

SAR(1 g) = 0.765 mW/g; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (measured) = 0.878 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Left Head Cheek Low CH128

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 41.628$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Left Head Cheek Low CH128/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.216 mW/g

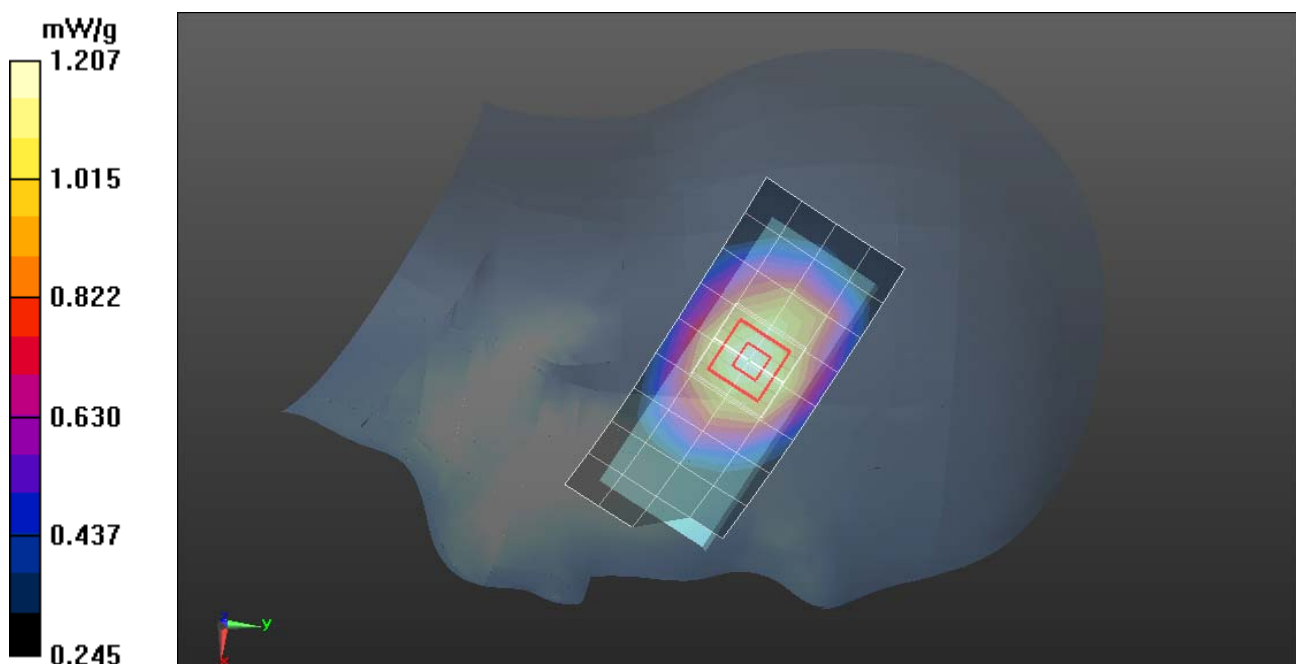
GSM850/Left Head Cheek Low CH128/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 32.762 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.413 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.771 mW/g

Maximum value of SAR (measured) = 1.207 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Left Head Cheek Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Left Head Cheek Middle CH190/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.185 mW/g

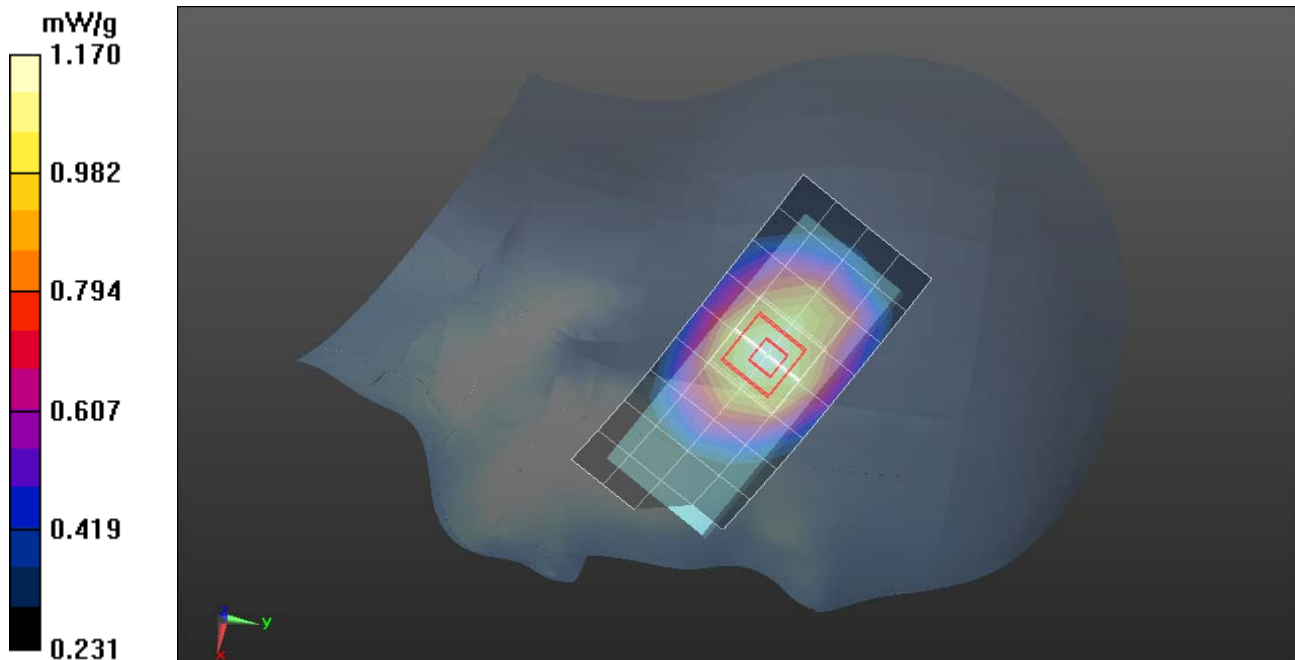
GSM850/Left Head Cheek Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 31.733 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.371 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.748 mW/g

Maximum value of SAR (measured) = 1.170 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Left Head Cheek High CH251

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 848.6$ MHz; $\sigma = 0.904$ mho/m; $\epsilon_r = 41.327$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Left Head Cheek High CH251/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.138 mW/g

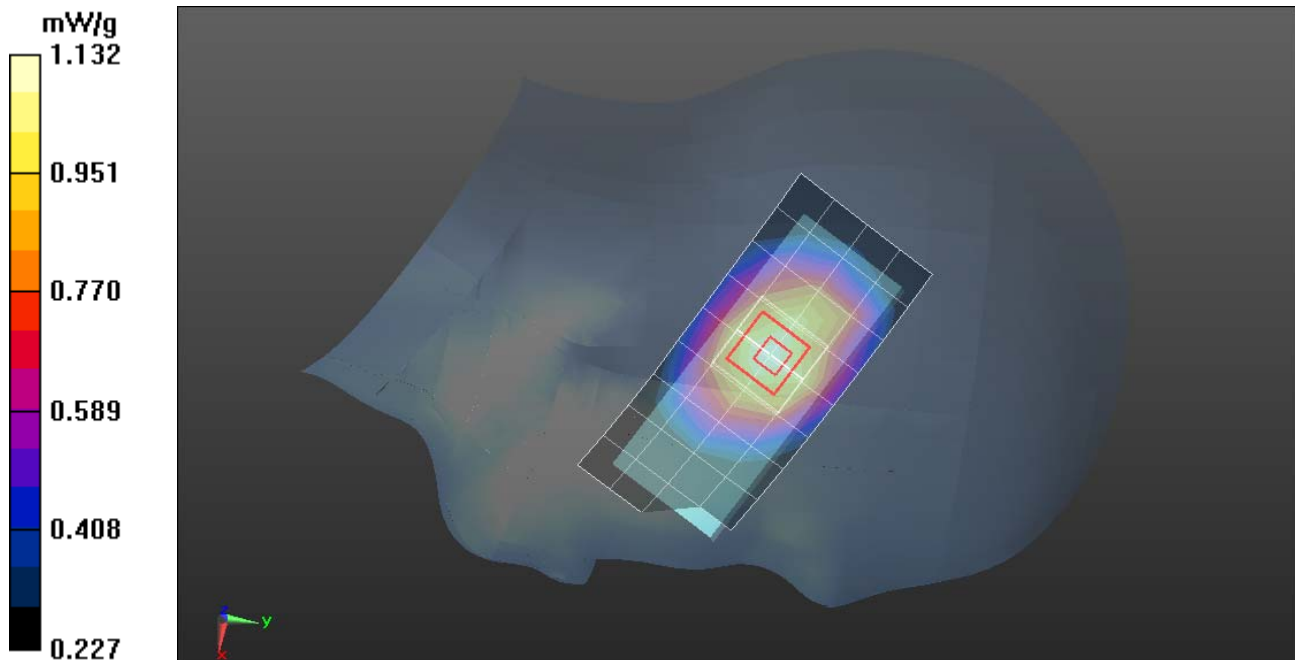
GSM850/Left Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.771 V/m; Power Drift = 0.0032 dB

Peak SAR (extrapolated) = 1.334 mW/g

SAR(1 g) = 0.988 mW/g; SAR(10 g) = 0.723 mW/g

Maximum value of SAR (measured) = 1.132 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Left Head Tilted Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.894$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM850/Left Head Tilted Middle CH190/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.947 mW/g

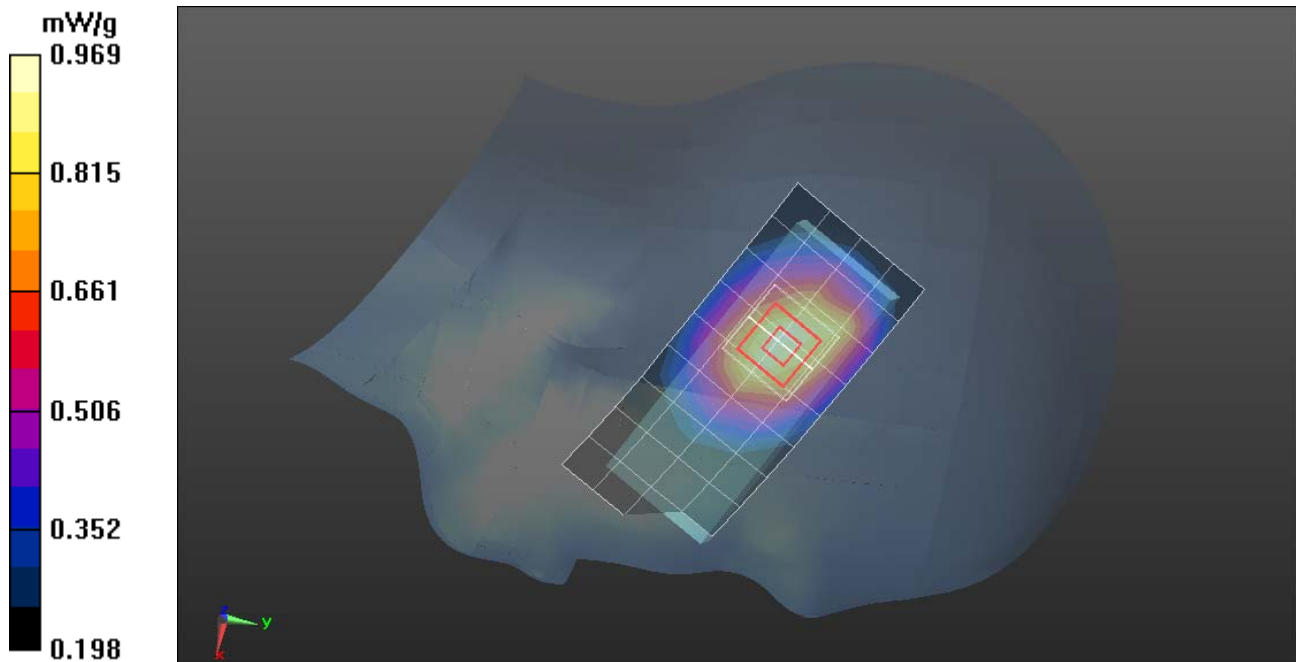
GSM850/Left Head Tilted Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 30.258 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.164 mW/g

SAR(1 g) = 0.735 mW/g; SAR(10 g) = 0.511 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

PCS-1900-Right Head Cheek Low CH512

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 1850.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.42$ mho/m; $\epsilon_r = 39.87$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

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

PCS1900/Right Head Cheek Low CH512/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm,

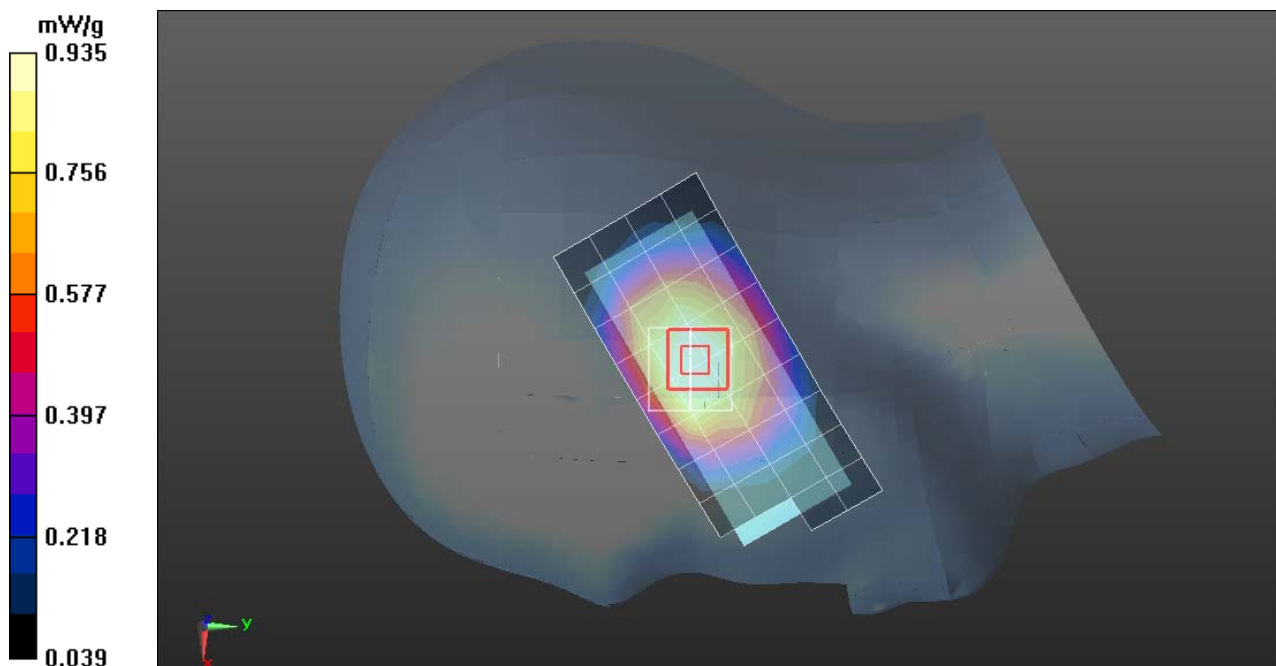
$dy=5$ mm, $dz=5$ mm

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.

May 10, 2012

PCS-1900-Right Head Cheek Middle CH661

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);
Frequency: 1880 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.45 \text{ mho/m}$; $\epsilon_r = 39.74$; $\rho = 1000 \text{ kg/m}^3$

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

PCS1900/Right Head Cheek Middle CH661/Area Scan (6x9x1): Measurement grid: $dx=15\text{mm}$,
 $dy=15\text{mm}$

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

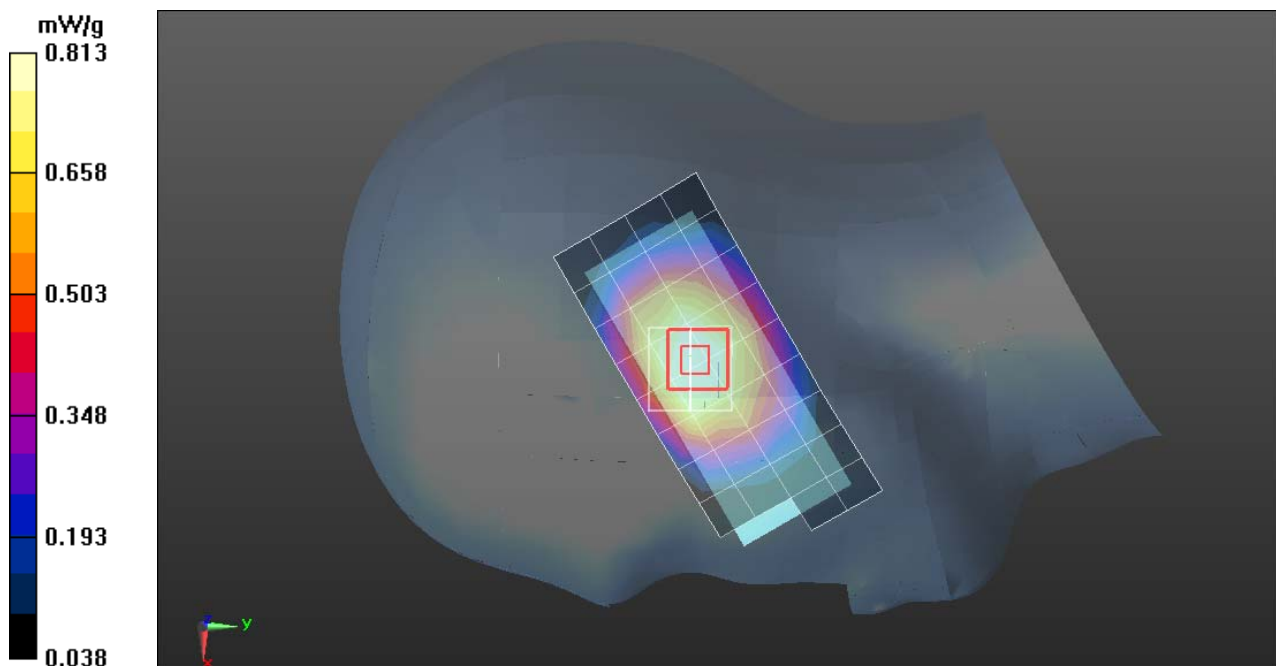
PCS1900/Right Head Cheek Middle CH661/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$,
 $dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

PCS-1900-Right Head Cheek High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

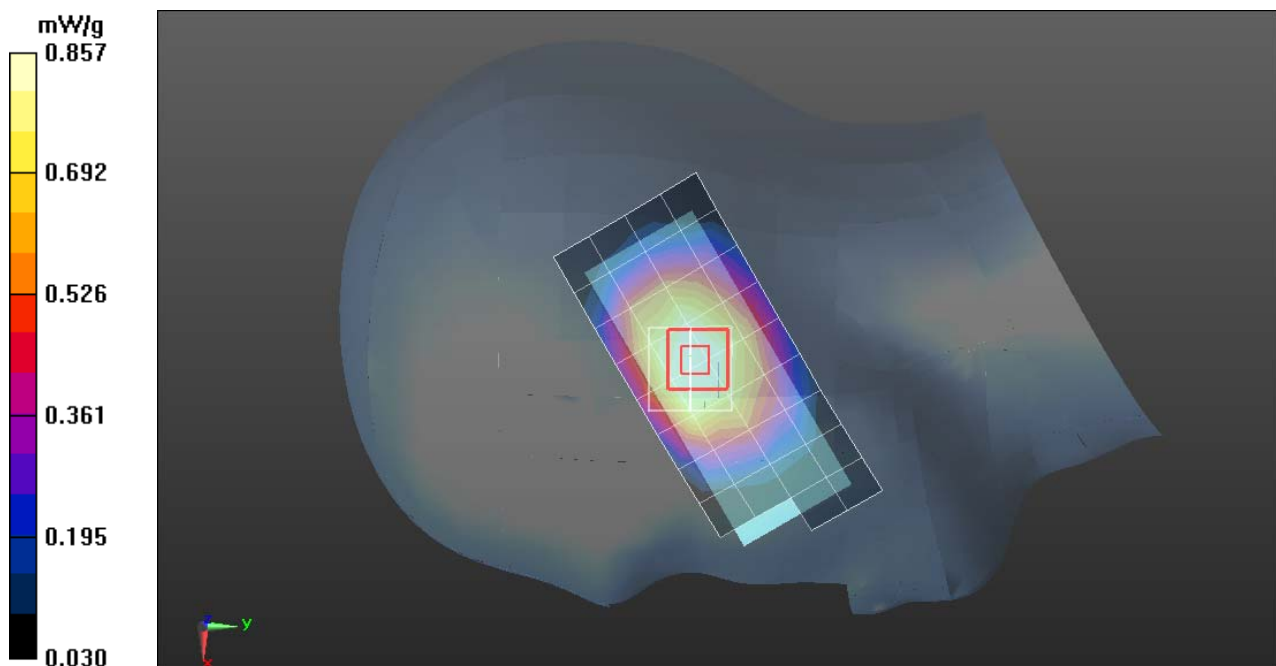
PCS1900/Right Head Cheek High CH810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$,
 $dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

PCS-1900-Right Head Tilted High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

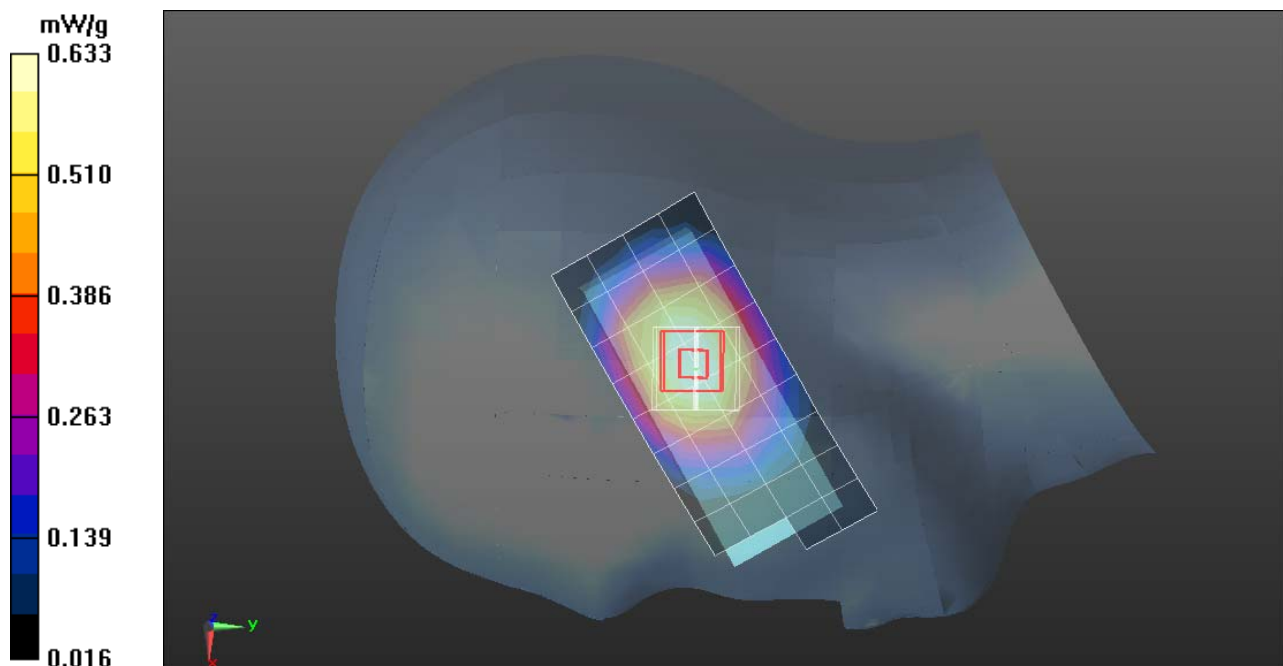
$dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

PCS 1900-Left Head Cheek High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

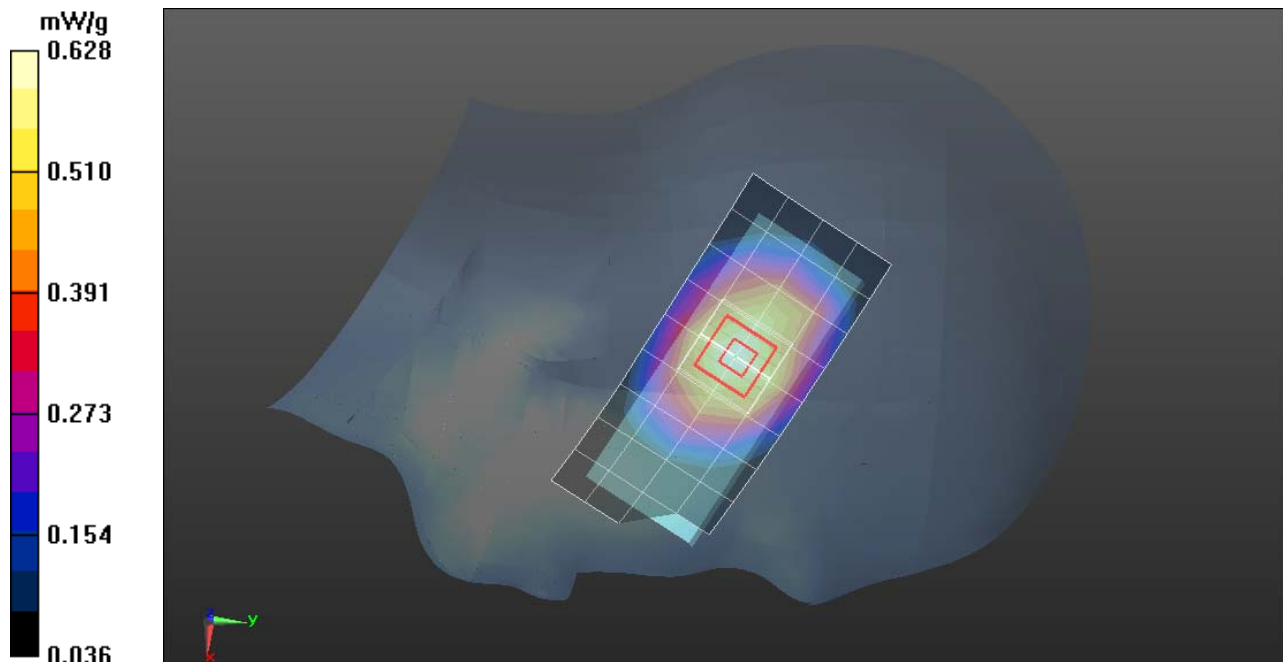
PCS1900/Left Head Cheek High CH810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

PCS 1900-Left Head Tilted High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 1910MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

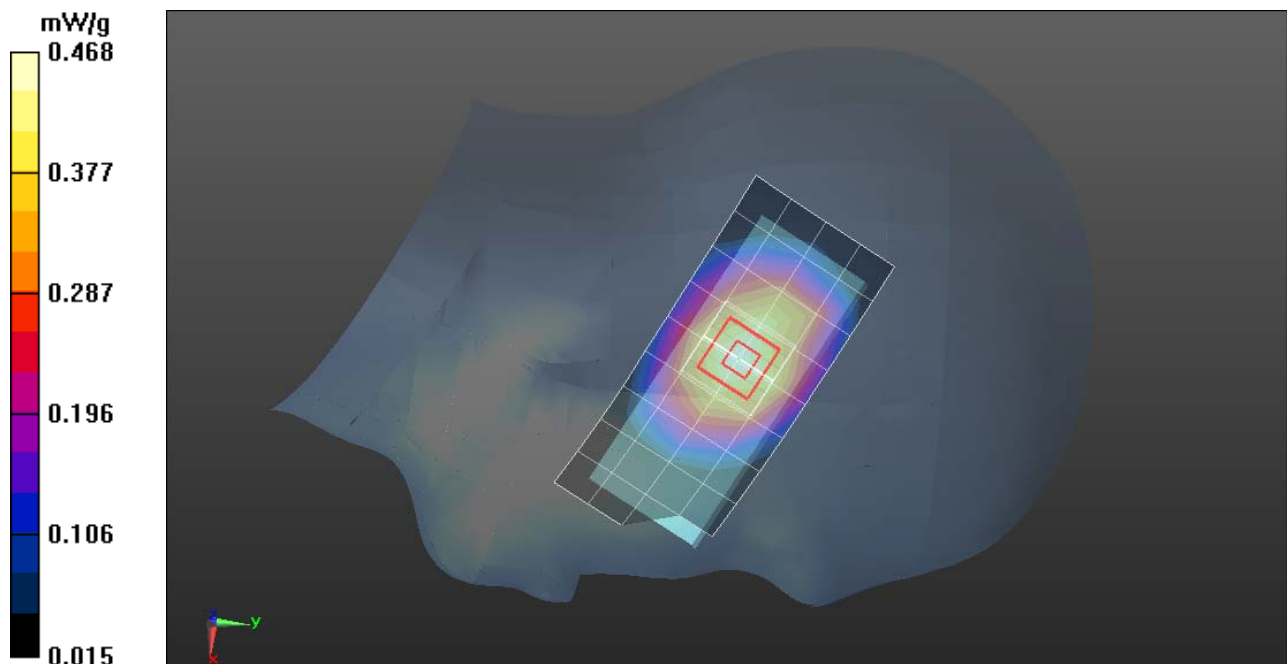
$dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

GSM 850-Body Up Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

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

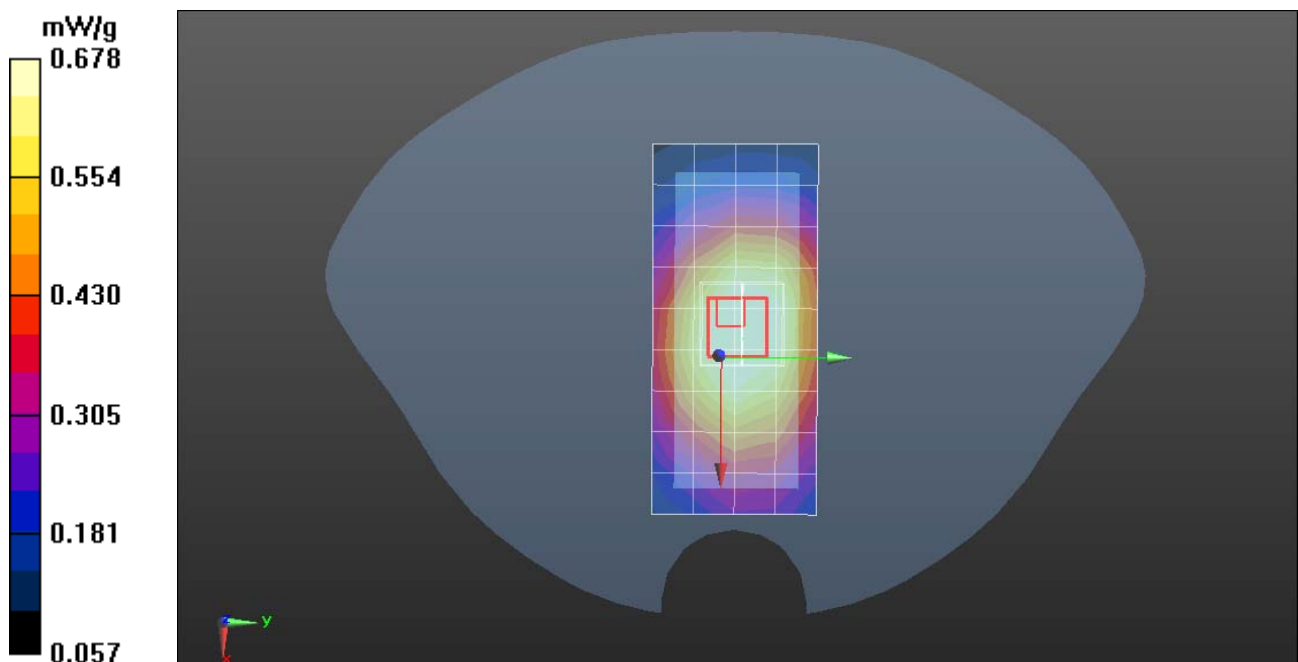
GSM 850/GSM850 Body Up Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.866 mW/g

SAR(1 g) = 0.502 mW/g; SAR(10 g) = 0.358 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Body Down Low CH128

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 824.2 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 824.2$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 55.959$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASy5 (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
- DASy52 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

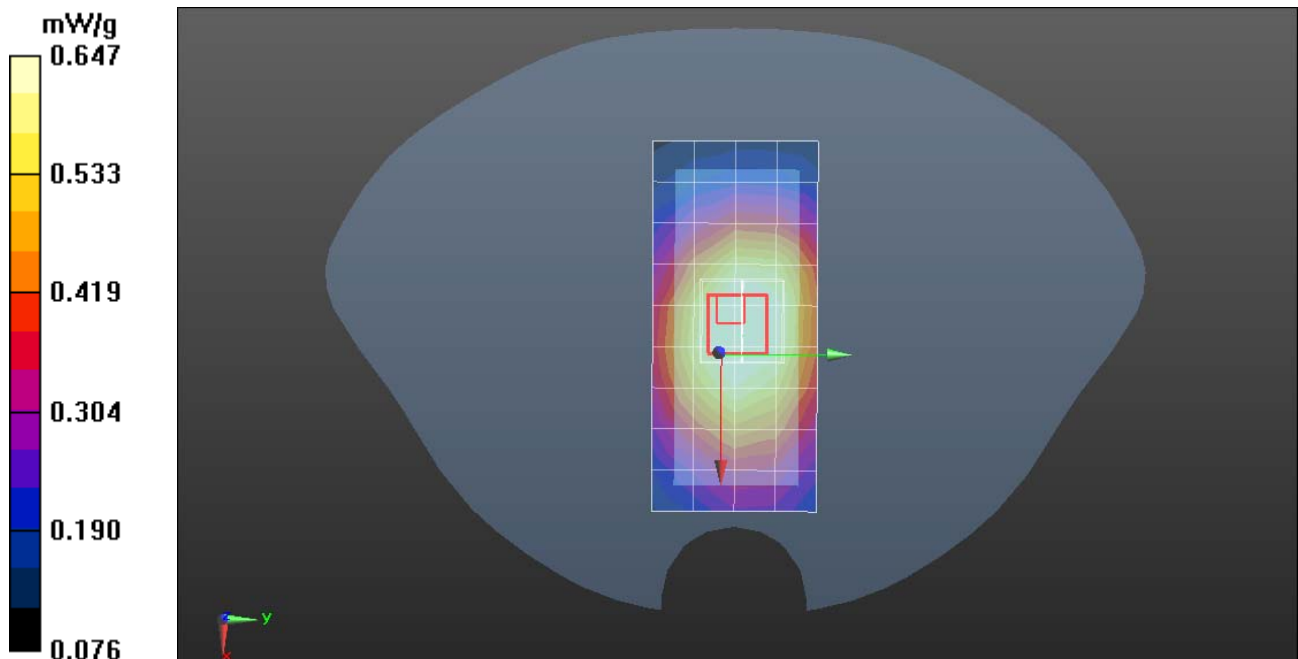
GSM 850/GSM850 Body Down Low CH128/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.814 mW/g

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.

May 10, 2012

GSM 850-Body Down Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DASY5 (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
- DASY52 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) = 0.903 mW/g

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

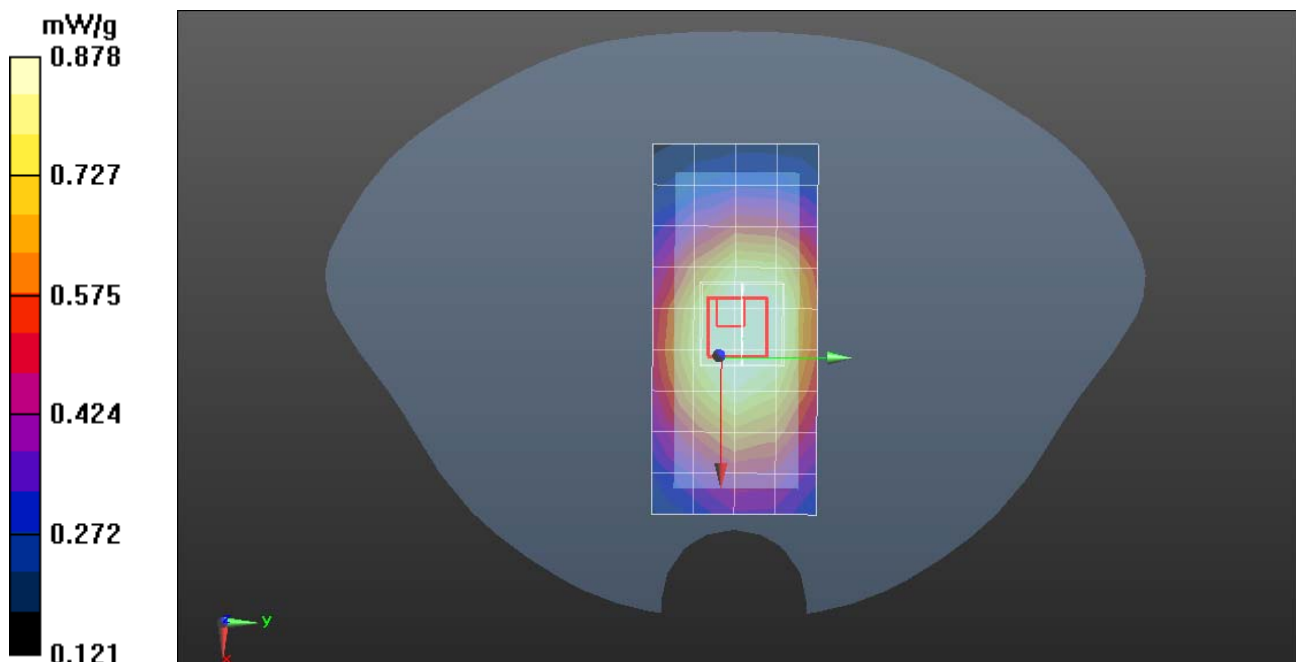
dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 1.039 mW/g

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.349 mW/g

Maximum value of SAR (measured) = 0.878 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

GSM 850-Body Down High CH251

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 848.6 MHz; Communication System PAR: 9.03 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 848.6$ MHz; $\sigma = 0.969$ mho/m; $\epsilon_r = 55.752$; $\rho = 1000$ kg/m³

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
- DASY52 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

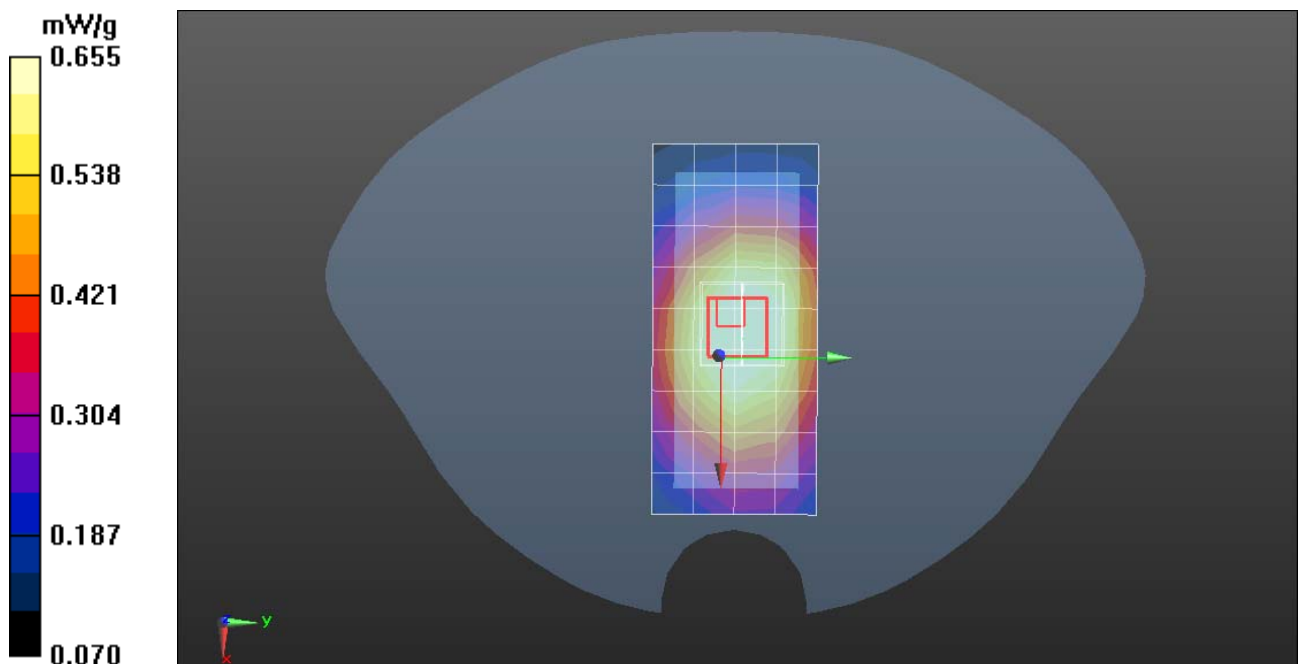
GSM 850/GSM850 Body Down High CH251/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.833 mW/g

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.

GPRS 850-Body Up Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 6.02 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.965$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GPRS 850/GPRS850 Body Up Middle CH190/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 0.636 mW/g

GPRS 850/GPRS850 Body Up Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

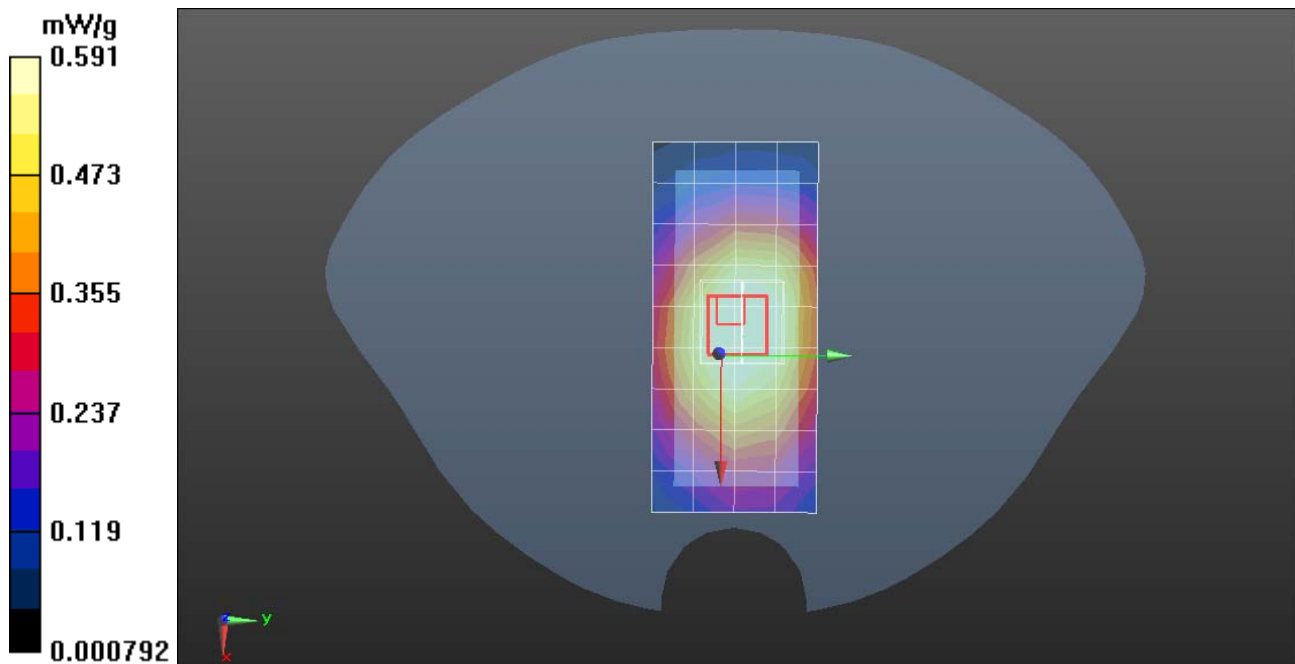
dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.394 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.170 mW/g

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.591 mW/g





Test Laboratory: Compliance Certification Services Inc.

GPRS 850-Body Down Middle CH190

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

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

Frequency: 836.6 MHz; Communication System PAR: 6.02 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.965$ mho/m; $\epsilon_r = 55.858$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

Measurement Standard: DAS5 (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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

GPRS 850/GPRS850 Body Down Middle CH190/Area Scan (5x10x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (measured) = 1.001 mW/g

GPRS 850/GPRS850 Body Down Middle CH190/Zoom Scan (7x7x7)/Cube 0: Measurement grid:

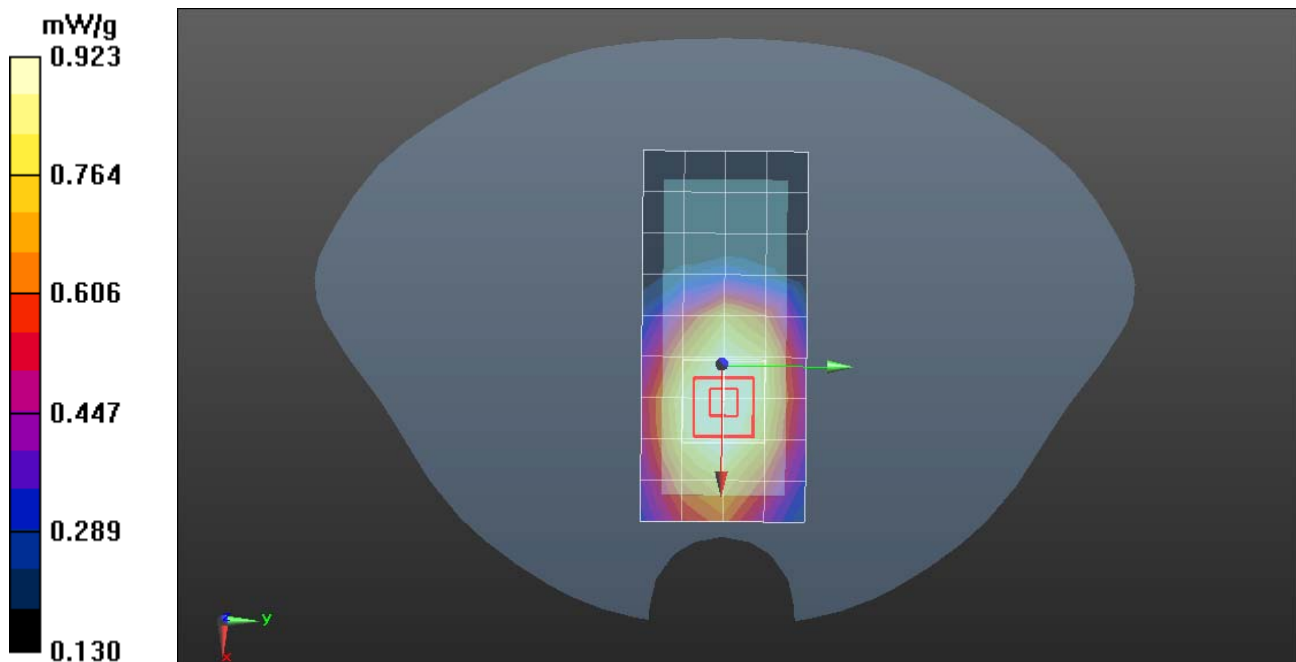
dx=5mm, dy=5mm, dz=5mm

Reference Value = 28.956 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.133 mW/g

SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.450 mW/g

Maximum value of SAR (measured) = 0.923 mW/g





Test Laboratory: Compliance Certification Services Inc.

May 10, 2012

PCS1900-Body Up High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);
Frequency: 1910MHz; Communication System PAR: 6.02 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used: $f = 1910\text{MHz}$; $\sigma = 1.54\text{ mho/m}$; $\epsilon_r = 54.85$; $\rho = 1000\text{ kg/m}^3$

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

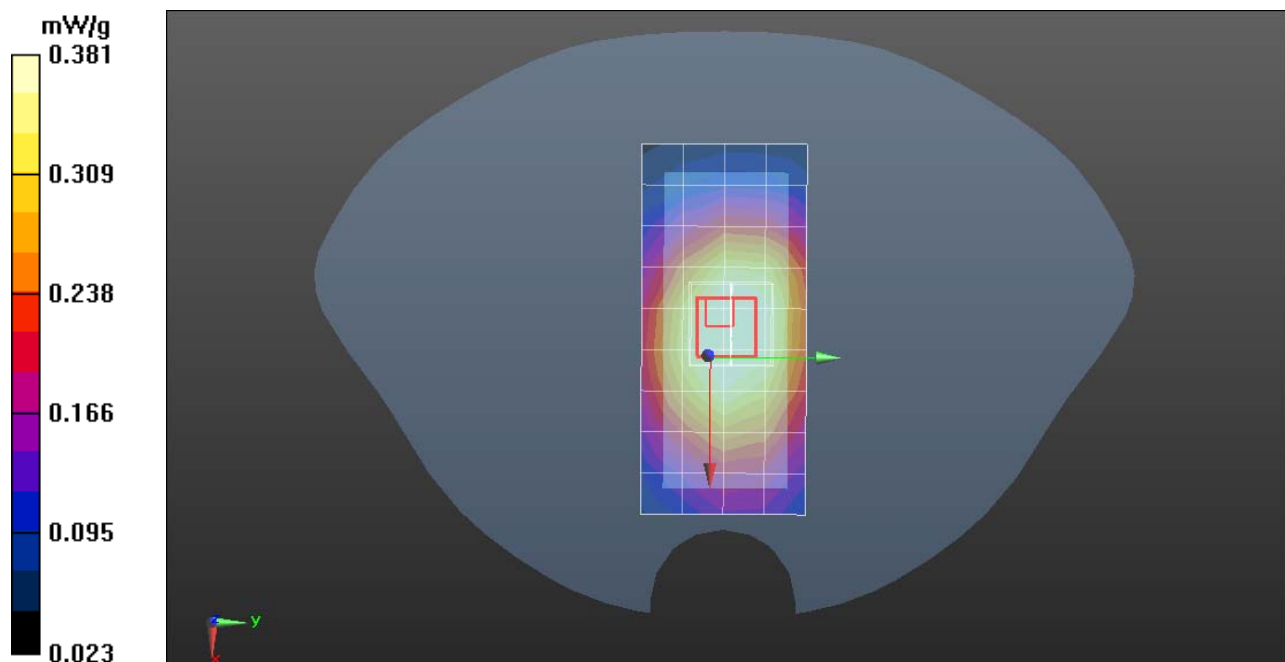
PCS1900/ PCS1900 Body Up High CH810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$,
 $dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

PCS1900-Body Down High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz);
Frequency: 1910MHz; Communication System PAR: 6.02 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used: $f = 1910\text{MHz}$; $\sigma = 1.54\text{ mho/m}$; $\epsilon_r = 54.85$; $\rho = 1000\text{ kg/m}^3$

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

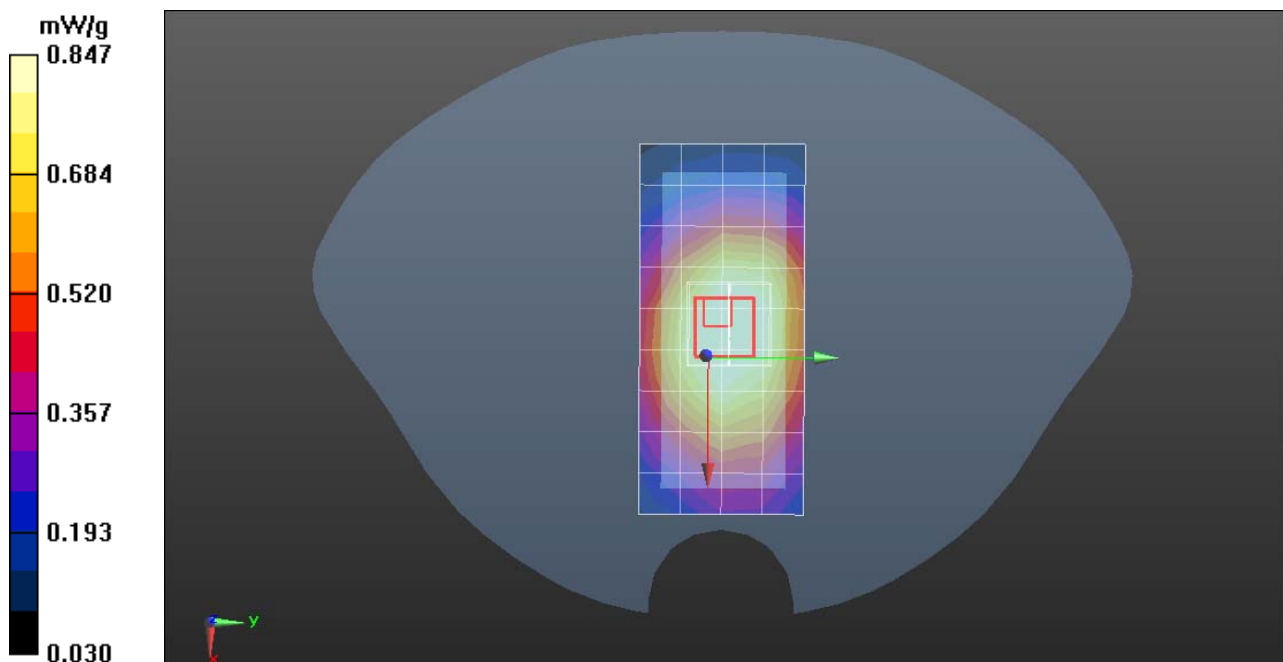
PCS1900/ PCS1900 Body Down High CH810/Zoom Scan (7x7x7)/Cube 0: Measurement grid:
 $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

GPRS1900-Body Up High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

Communication System: Generic GSM; Communication System Band: GPRS 1900 (1850.0 - 1910.0 MHz); Frequency: 1910MHz; Communication System PAR: 6.02 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used: $f = 1910\text{MHz}$; $\sigma = 1.54\text{ mho/m}$; $\epsilon_r = 54.85$; $\rho = 1000\text{ kg/m}^3$

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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

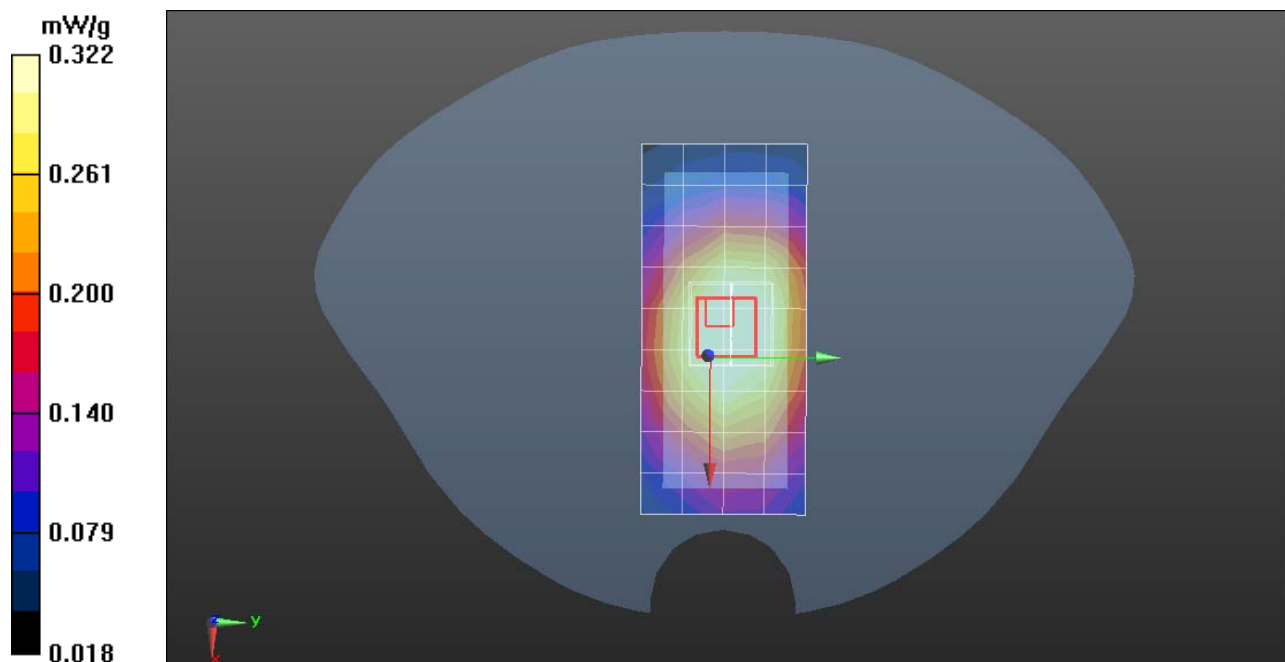
GPRS1900/GPRS1900 Body Up High CH810/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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.

May 10, 2012

GPRS1900-Body Down High CH810

DUT: Mobile Phone; Type: Cylinder2200; Serial: 352273017386340

Communication System: Generic GSM; Communication System Band: GPRS 1900 (1850.0 - 1910.0 MHz); Frequency: 1910MHz; Communication System PAR: 6.02 dB

Ambient: Temperature: 21 °C Relative humidity: 58% Liquid : Temperature: 20 °C

Medium parameters used: $f = 1910\text{MHz}$; $\sigma = 1.54\text{ mho/m}$; $\epsilon_r = 54.85$; $\rho = 1000\text{ kg/m}^3$

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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

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 (7x7x7)/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

