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Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Right Head Cheek Low CH128

DUT: GSM Mobile Phone; Type: X1; 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 (6x10x1):

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

Maximum value of SAR (measured) = 0.413 mW/g

GSM850/Right Head Cheek Low CH128/Zoom Scan (7x7x7)/Cube 0:

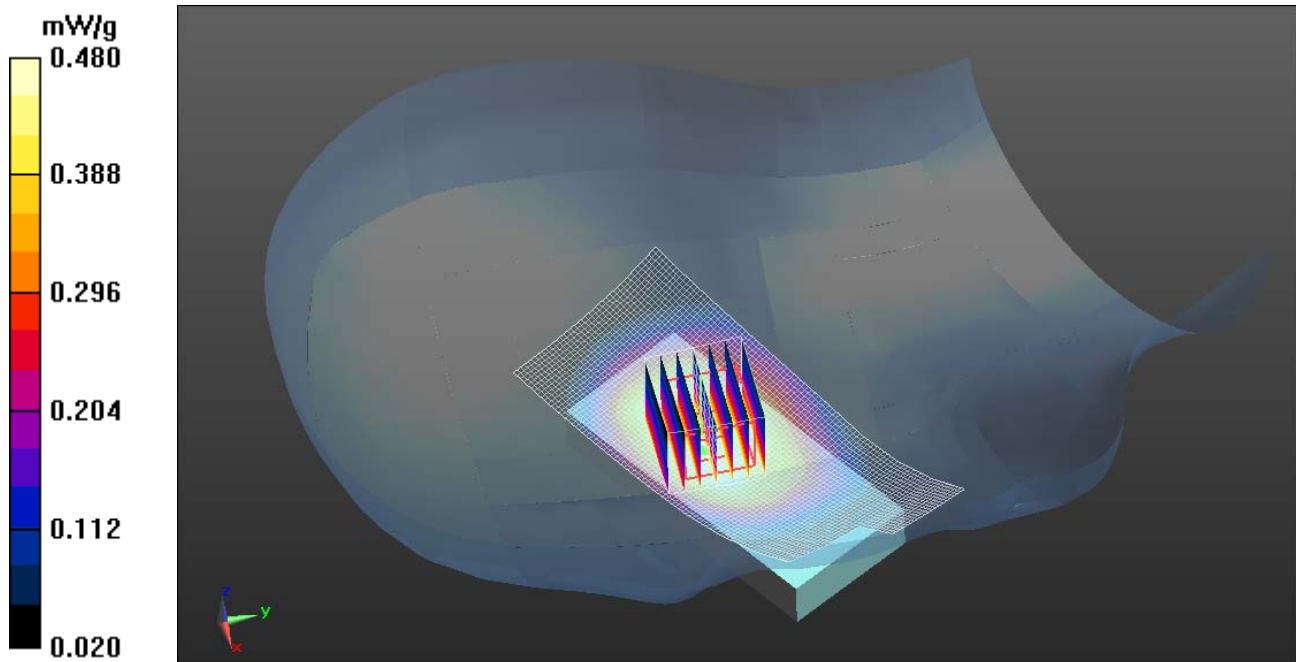
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.404 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.445mW/g; SAR(10 g) = 0.236 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Right Head Cheek Middle CH190

DUT: GSM Mobile Phone; Type: X1; 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; $\sigma = 0.89$ 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 Cheek Middle CH190/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.555 mW/g

GSM850/Right Head Cheek Middle CH190/Zoom Scan (7x7x7)/Cube 0:

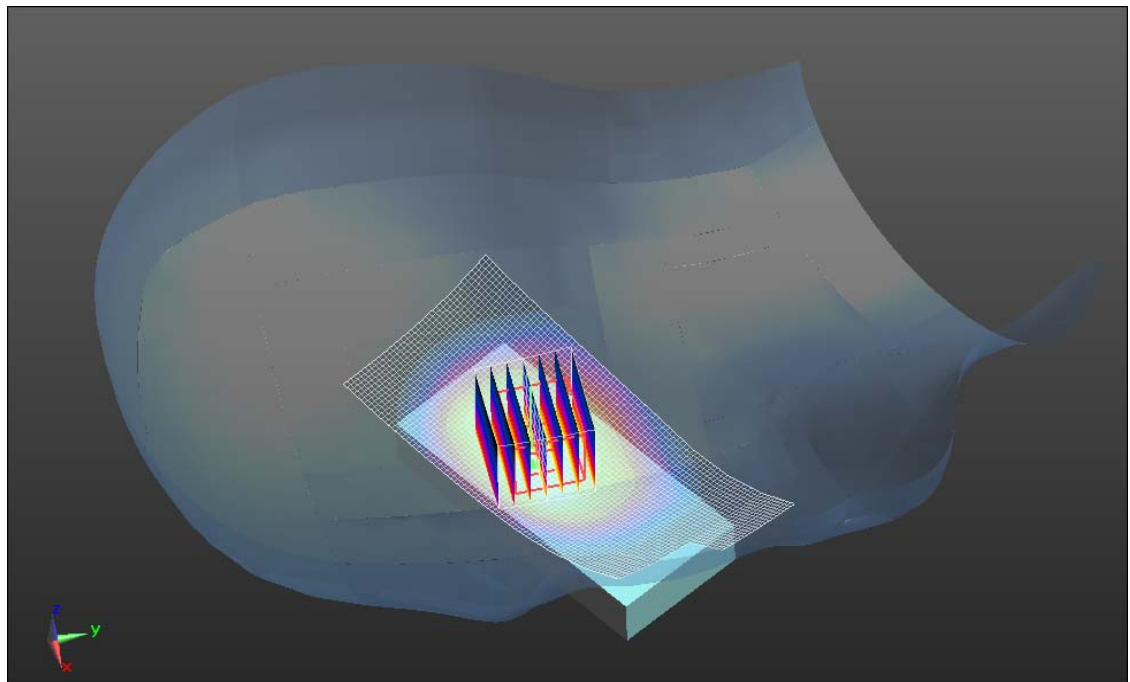
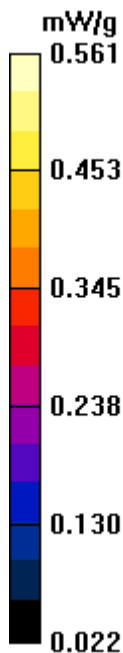
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.359 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Right Head Cheek High CH251

DUT: GSM Mobile Phone; Type: X1; 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; $\sigma = 0.899$ 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 (6x10x1):

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

Maximum value of SAR (measured) = 0.618 mW/g

GSM850/Right Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0:

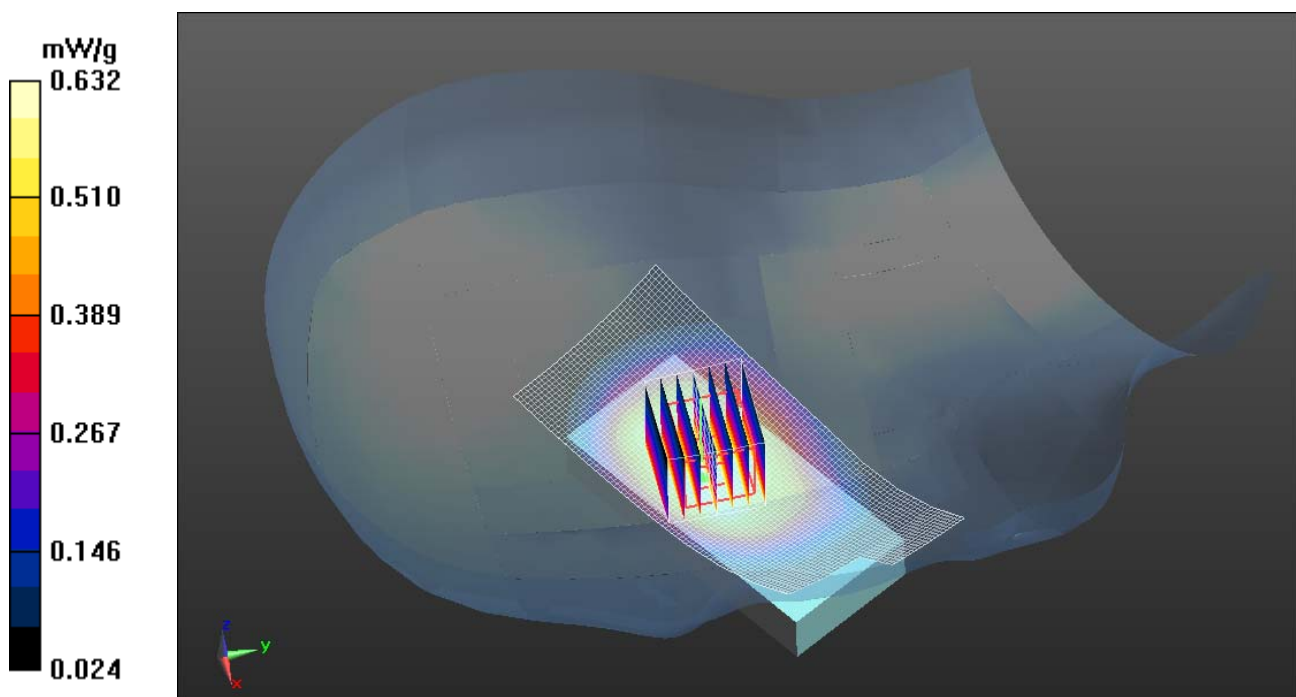
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.943 W/kg

SAR(1 g) = 0.588 mW/g; SAR(10 g) = 0.381 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Right Head Tilted High CH251

DUT: GSM Mobile Phone; Type: X1; 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; $\sigma = 0.899$ 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 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 (7x7x7)/Cube 0:

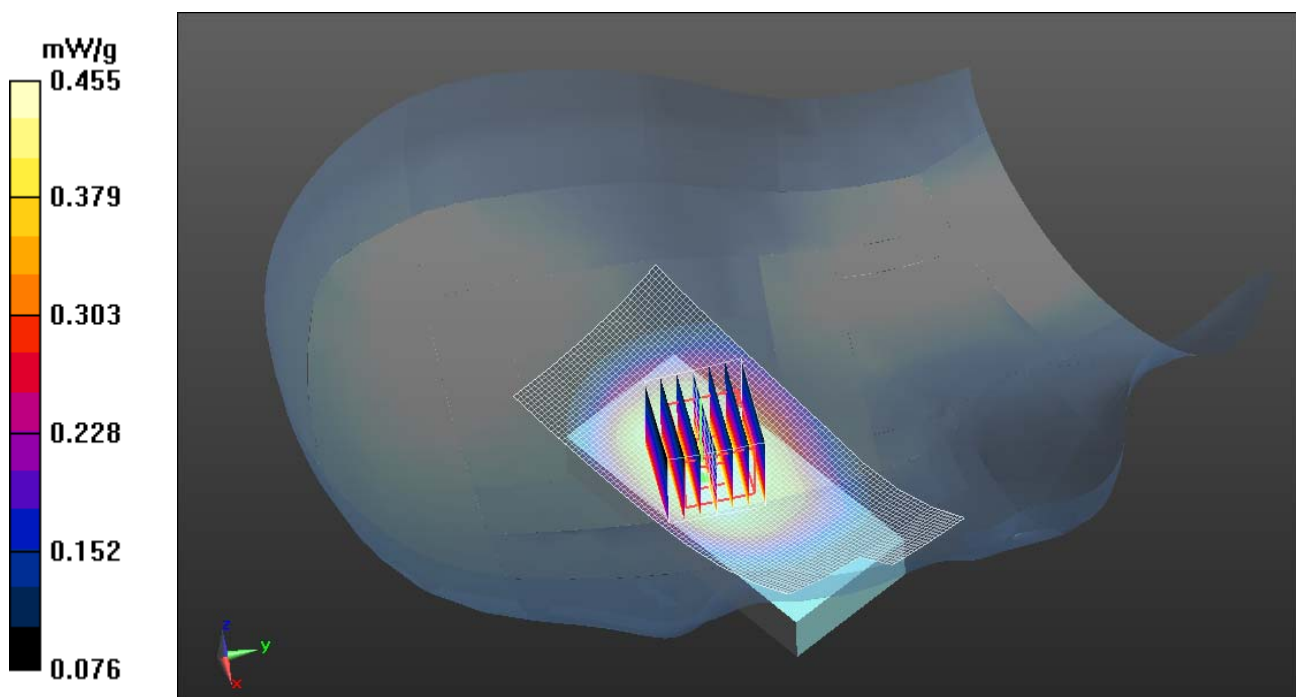
Measurement grid: dx=5mm, dy=5mm, dz=3mm

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

Peak SAR (extrapolated) = 0.528 W/kg

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.275 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Left Head Cheek High CH251

DUT: GSM Mobile Phone; Type: X1; 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; $\sigma = 0.899$ mho/m; $\epsilon_r = 41.327$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DAS5 (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 (6x10x1):

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

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

GSM850/Left Head Cheek High CH251/Zoom Scan (7x7x7)/Cube 0:

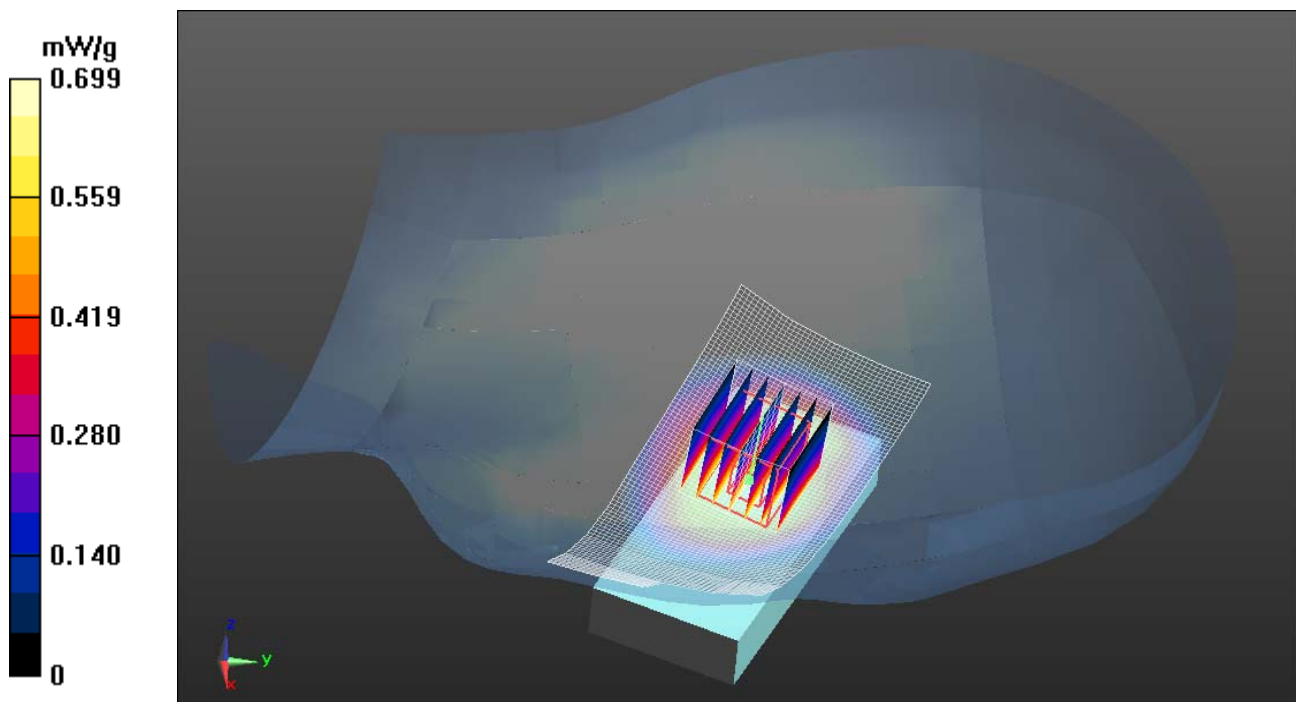
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

Reference Value = 12.826 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.226 W/kg

SAR(1 g) = 0.569 mW/g; SAR(10 g) = 0.405 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Left Head Tilted High CH251

DUT: GSM Mobile Phone; Type: X1; 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; $\sigma = 0.899$ mho/m; $\epsilon_r = 41.327$; $\rho = 1000$ kg/m³

Phantom section: Left Section

Measurement Standard: DAS5 (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
- DASY52 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 (7x7x7)/Cube 0:

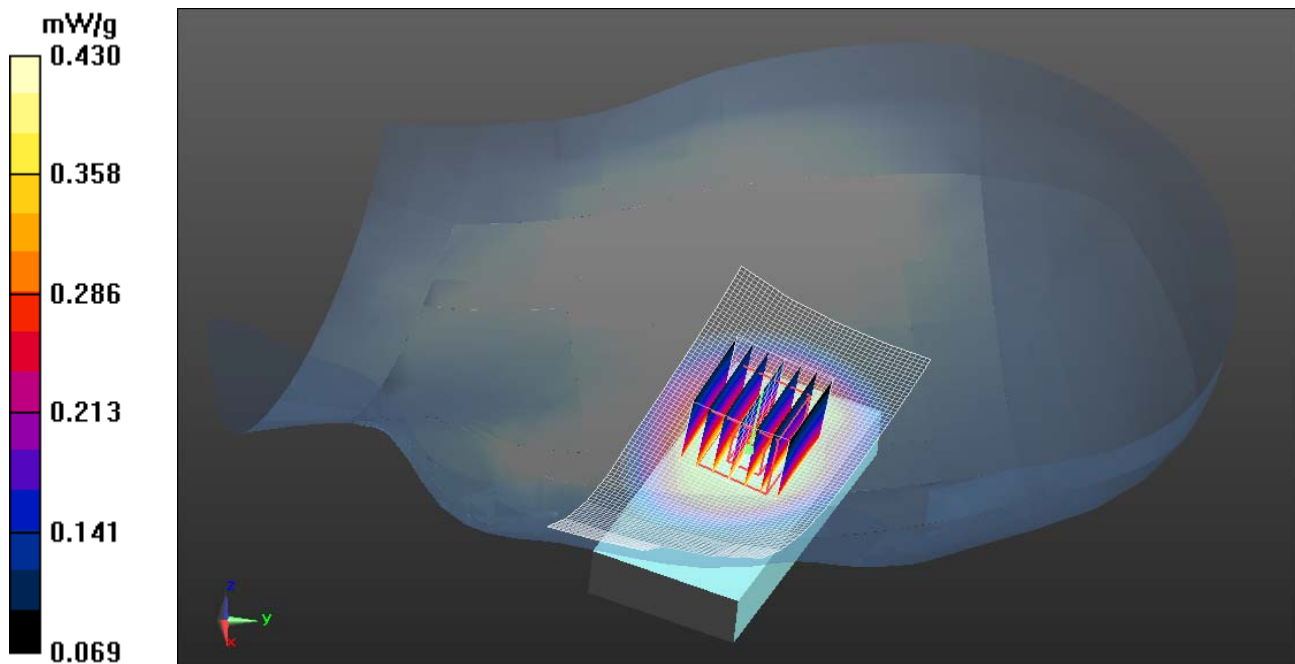
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=3$ mm

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

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.261 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS-1900-Right Head Cheek Low CH512

DUT: GSM Mobile Phone; Type: X1; 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:

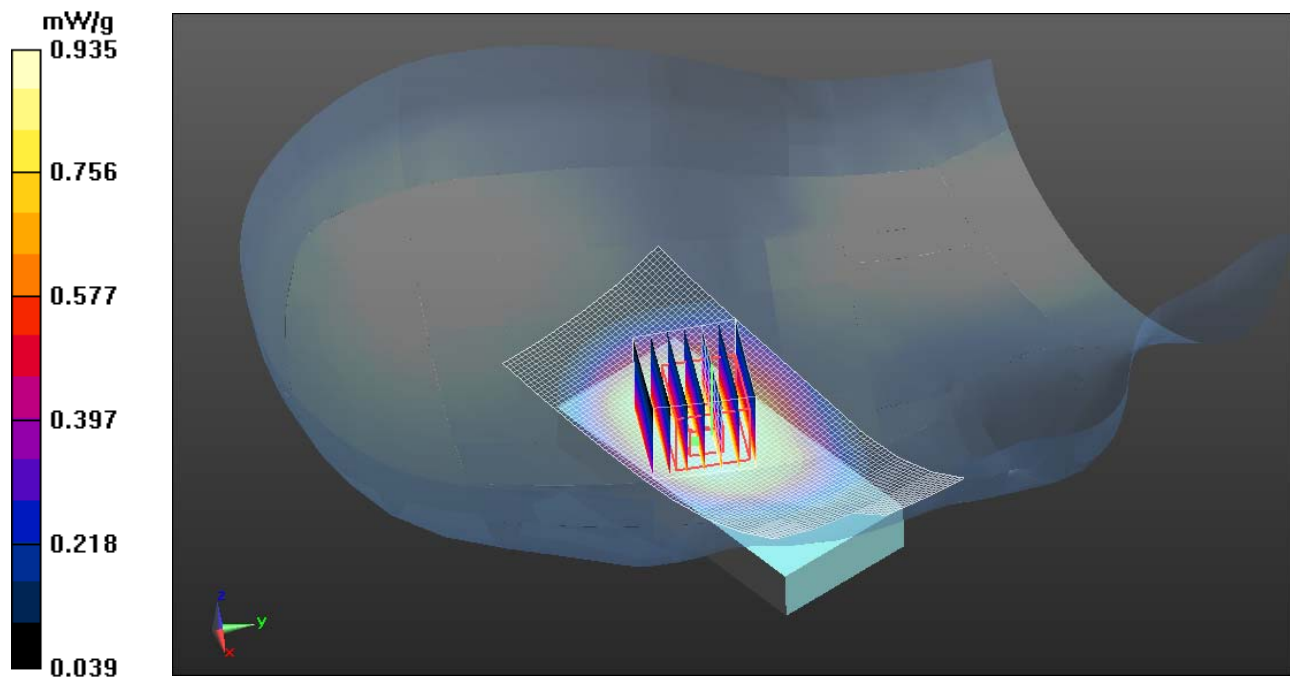
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

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

Peak SAR (extrapolated) = 1.285 W/kg

SAR(1 g) = 0.523 mW/g; SAR(10 g) = 0.316 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS-1900-Right Head Cheek Middle CH661

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1880 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.74$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

Measurement Standard: DASY5 (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:

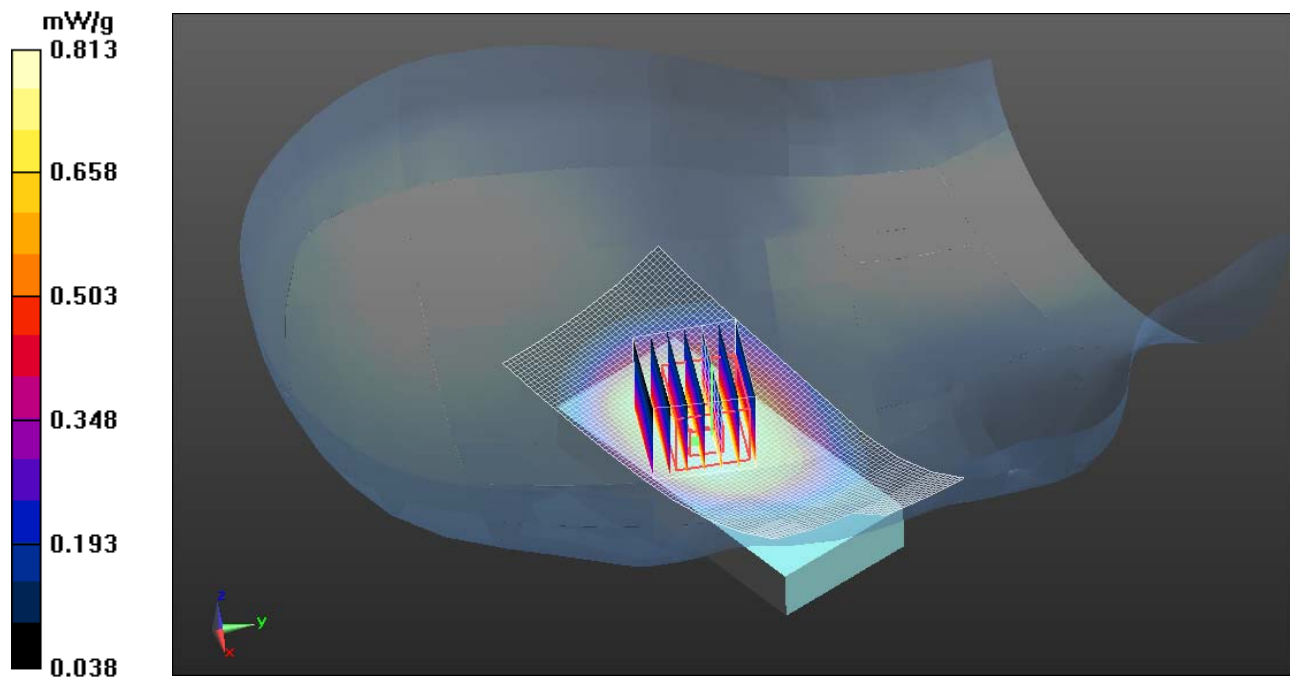
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.306 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.085 W/kg

SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.146 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS-1900-Right Head Cheek High CH810

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1910\text{MHz}$; $\sigma = 1.41\text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000\text{ kg/m}^3$

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:

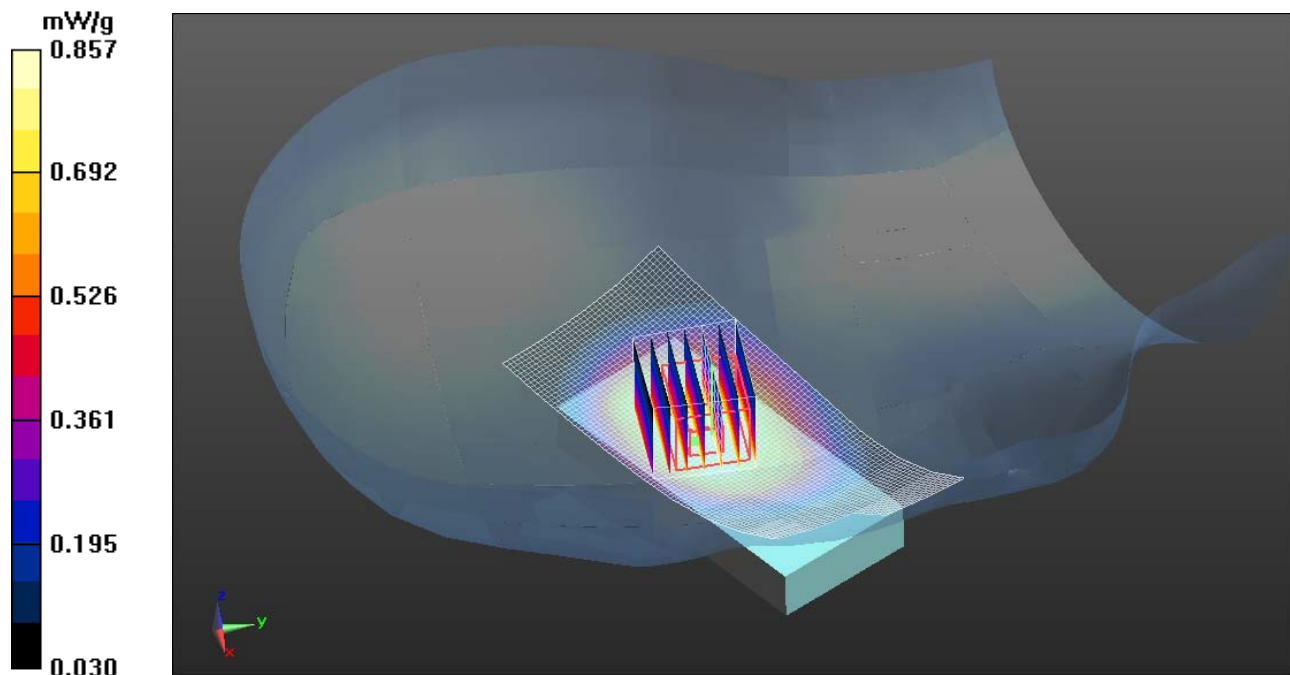
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 16.426 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.154 W/kg

SAR(1 g) = 0.554 mW/g; SAR(10 g) = 0.357 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS-1900-Right Head Tilted High CH810

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1910\text{MHz}$; $\sigma = 1.42\text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000\text{ kg/m}^3$

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) = 0.603 mW/g

PCS1900/Right Head Tilted High CH810/Zoom Scan (7x7x7)/Cube 0:

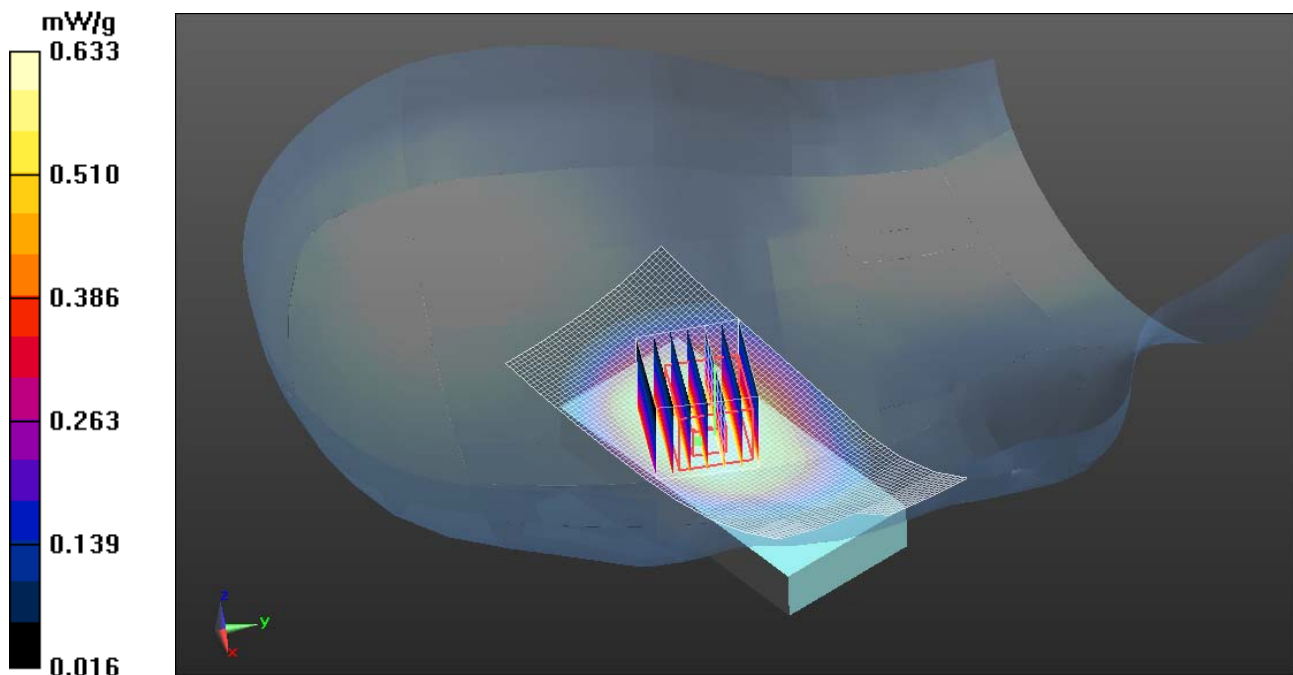
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 1.126 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.302 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS 1900-Left Head Cheek High CH810

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1910\text{MHz}$; $\sigma = 1.43\text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000\text{ kg/m}^3$

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:

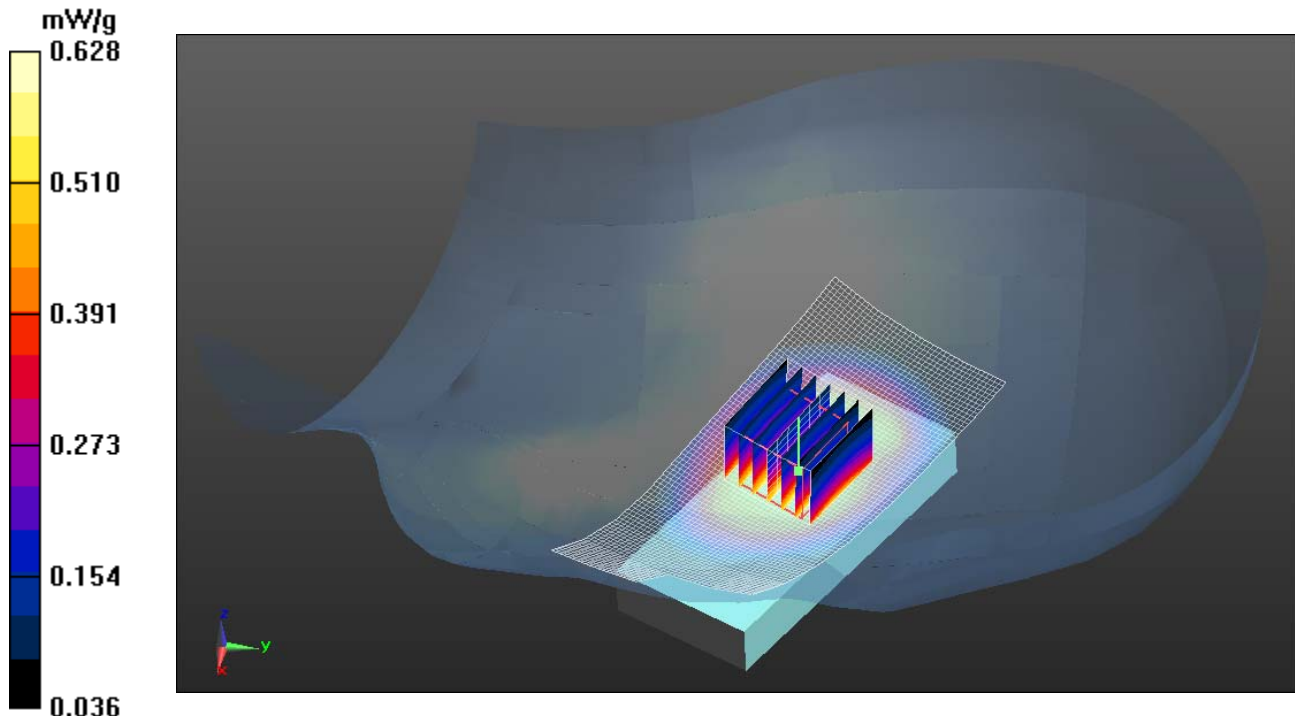
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 0.796 W/kg

SAR(1 g) = 0.536 mW/g; SAR(10 g) = 0.237mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS 1900-Left Head Tilted High CH810

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1910\text{MHz}$; $\sigma = 1.42\text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000\text{ kg/m}^3$

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:

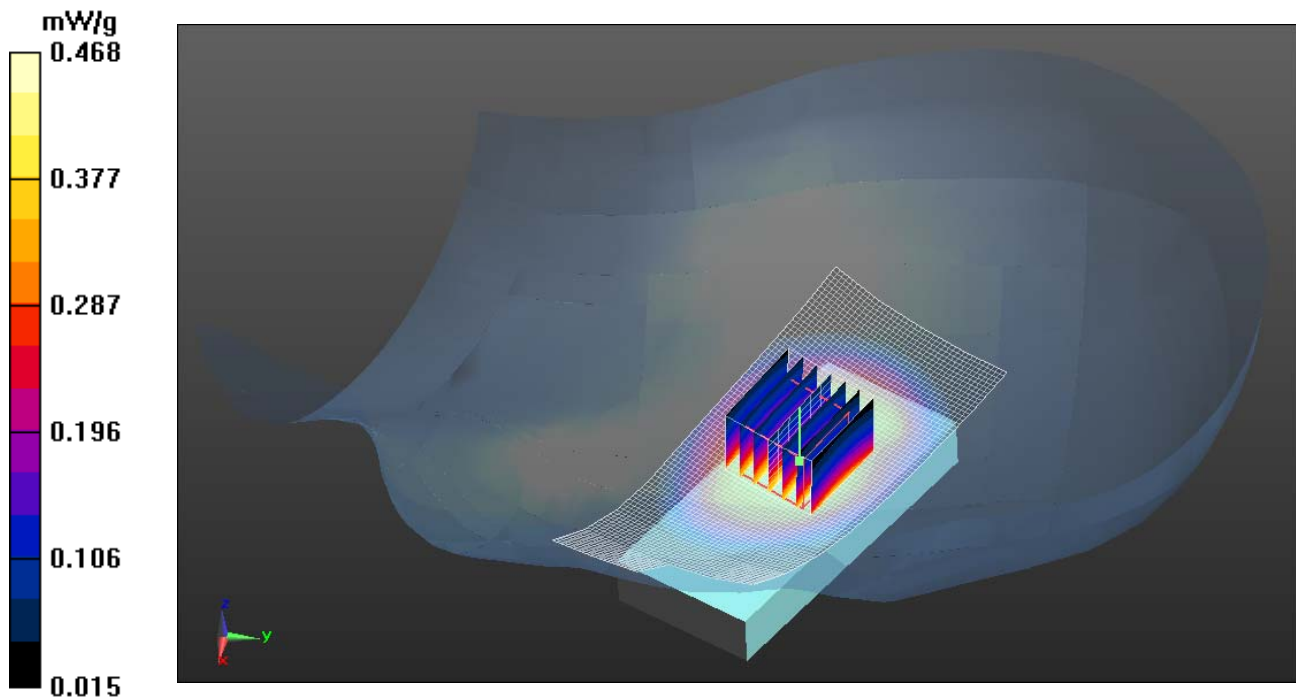
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.205 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Body Up High CH251

DUT: GSM Mobile Phone; Type: X1; 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: 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)

GSM 850/GSM850 Body Up High CH251/Area Scan (6x10x1):

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

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

GSM 850/GSM850 Body Up High CH251/Zoom Scan (7x7x7)/Cube 0:

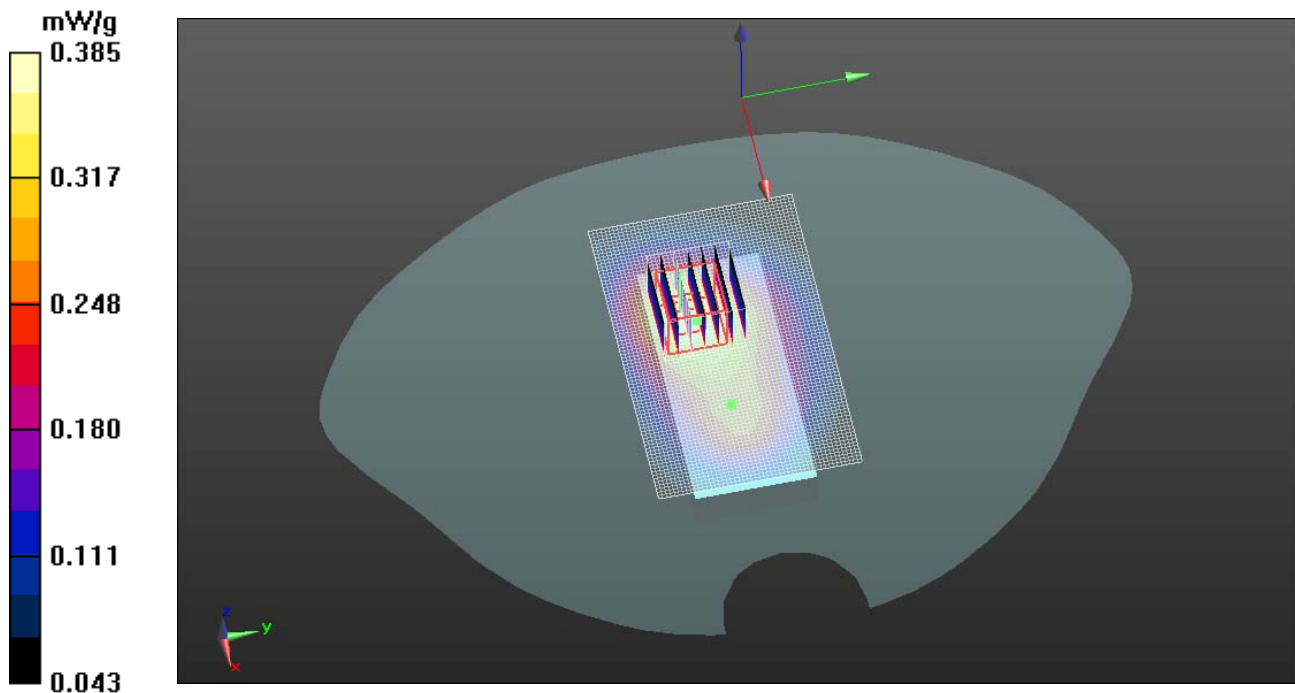
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 23.215 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.866 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.208 mW/g

Maximum value of SAR (measured) = 0.385 mW/g





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Body Down Low CH128

DUT: GSM Mobile Phone; Type: X1; 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: 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 Low CH128/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.613 mW/g

GSM 850/GSM850 Body Down Low CH128/Zoom Scan (7x7x7)/Cube 0:

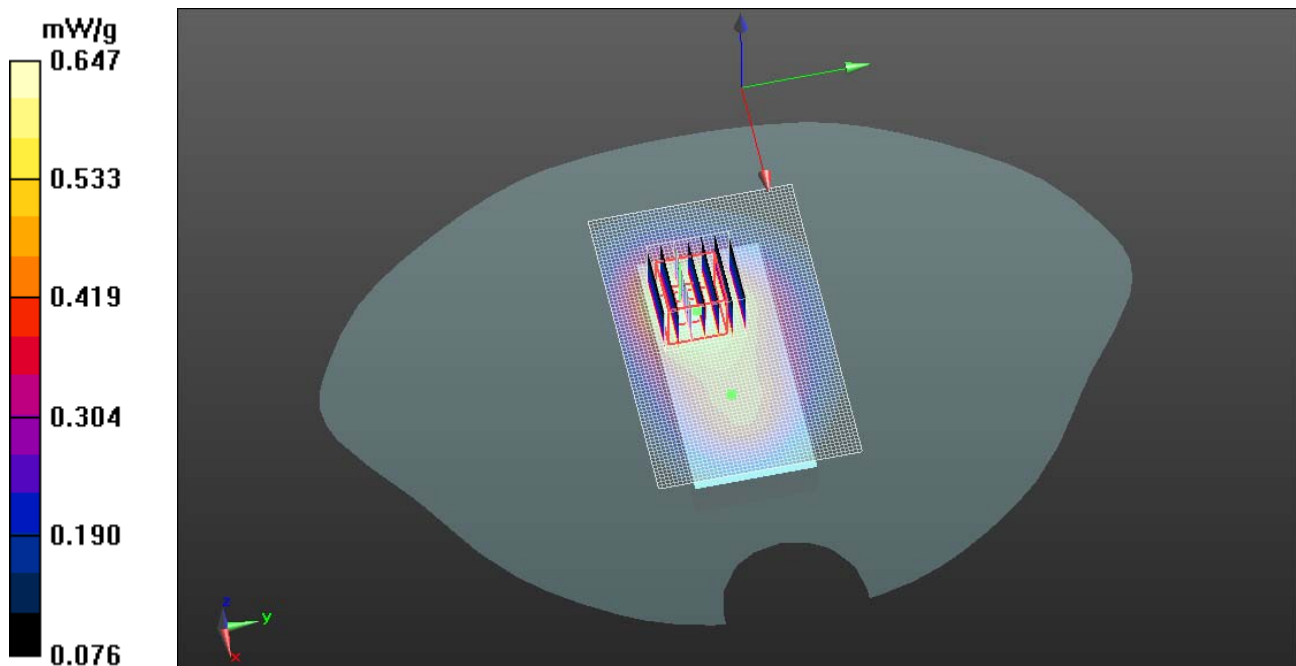
Measurement grid: dx=5mm, dy=5mm, dz=5mm

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

Peak SAR (extrapolated) = 0.814 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.336 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Body Down Middle CH190

DUT: GSM Mobile Phone; Type: X1; 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: 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)

GSM 850/GSM850 Body Down Middle CH190/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.648 mW/g

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

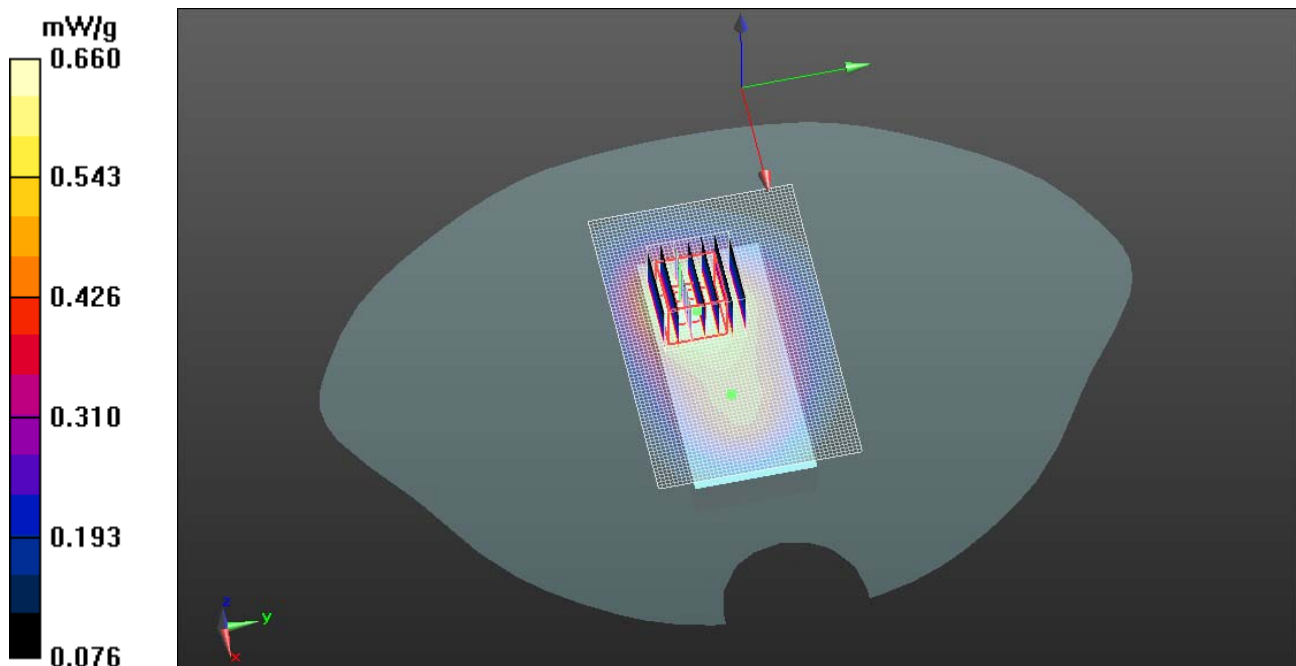
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.131 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.839 W/kg

SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.335 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

GSM 850-Body Down High CH251

DUT: GSM Mobile Phone; Type: X1; 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:

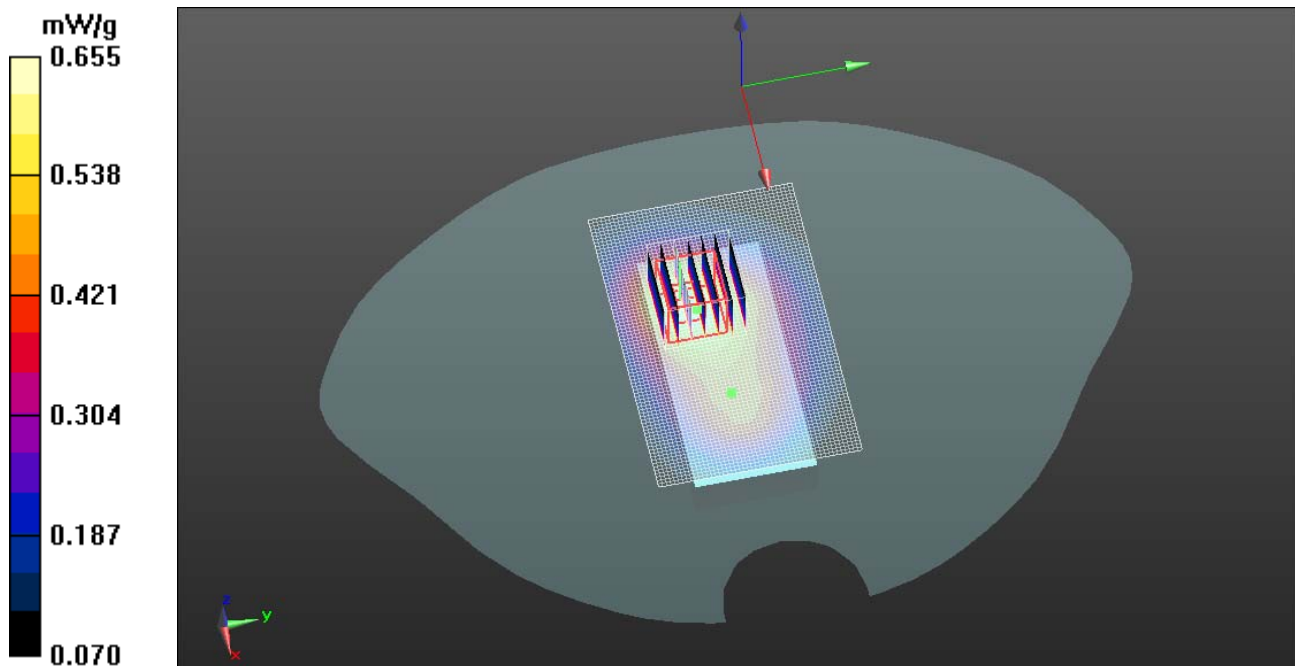
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 26.161 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.833 W/kg

SAR(1 g) = 0.549 mW/g; SAR(10 g) = 0.322 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS1900-Body Up High CH810

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1910\text{MHz}$; $\sigma = 1.49\text{ mho/m}$; $\epsilon_r = 54.21$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

Measurement Standard: DAS5 (IEEE/IEC/ANSI C63.19-2007)

DAS5 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
- DAS52 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) = 0.377 mW/g

PCS1900/ PCS1900 Body Up High CH810/Zoom Scan (7x7x7)/Cube 0:

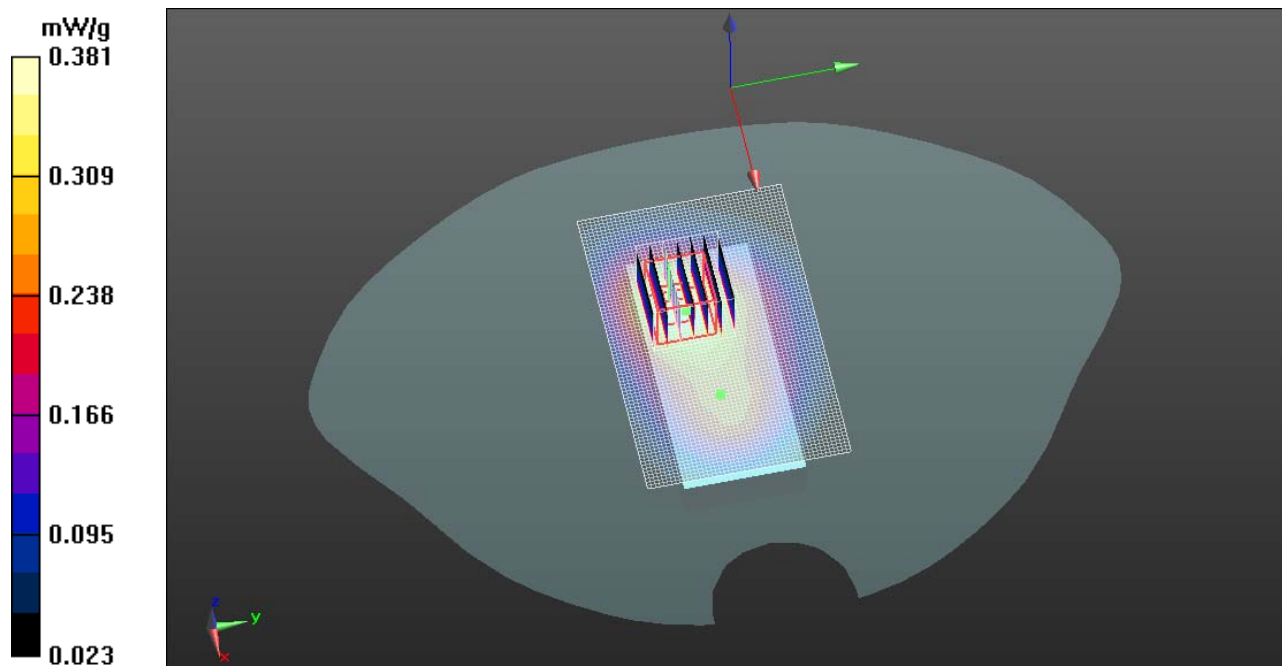
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

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) = 0.189 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

June 06, 2012

PCS1900-Body Down High CH810

DUT: GSM Mobile Phone; Type: X1; 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: $f = 1910\text{MHz}$; $\sigma = 1.51\text{ mho/m}$; $\epsilon_r = 52.98$; $\rho = 1000\text{ kg/m}^3$

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) = 0.599 mW/g; SAR(10 g) = 0.359 mW/g

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

