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Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Right Head Cheek Low CH128

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.628$; $\rho = 1000$ 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 Low CH128/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 0.964 mW/g

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

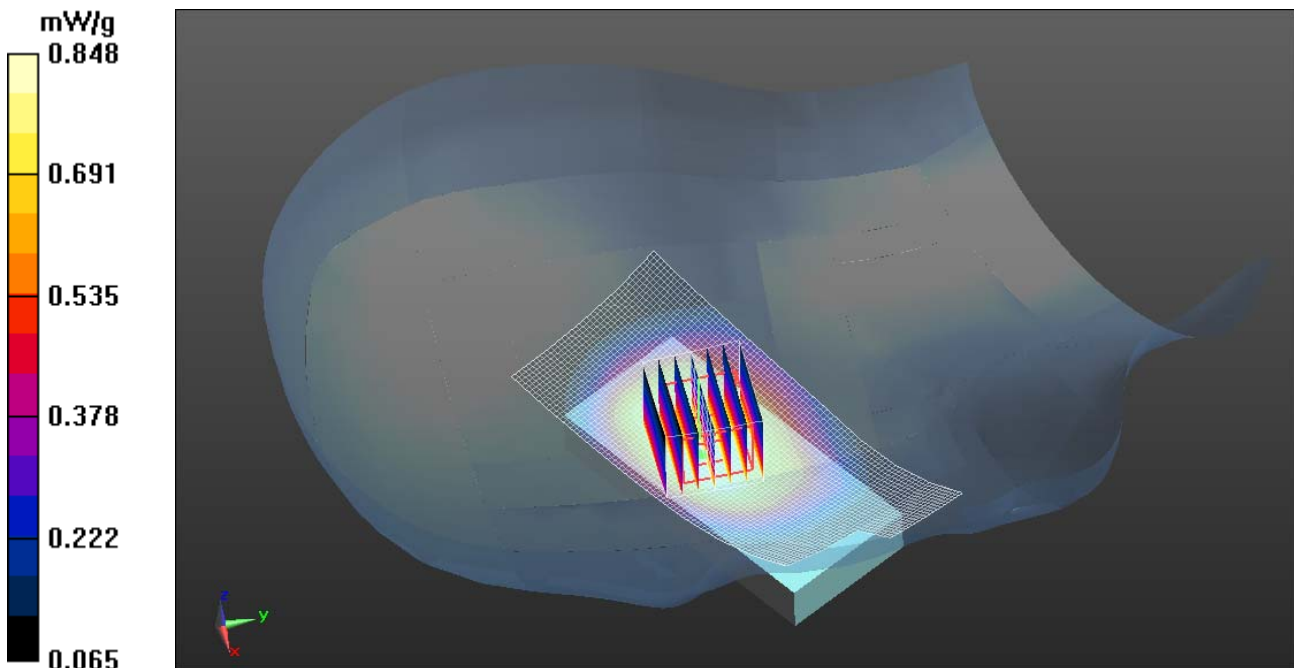
Measurement grid: dx=5mm, dy=5mm, dz=5mm

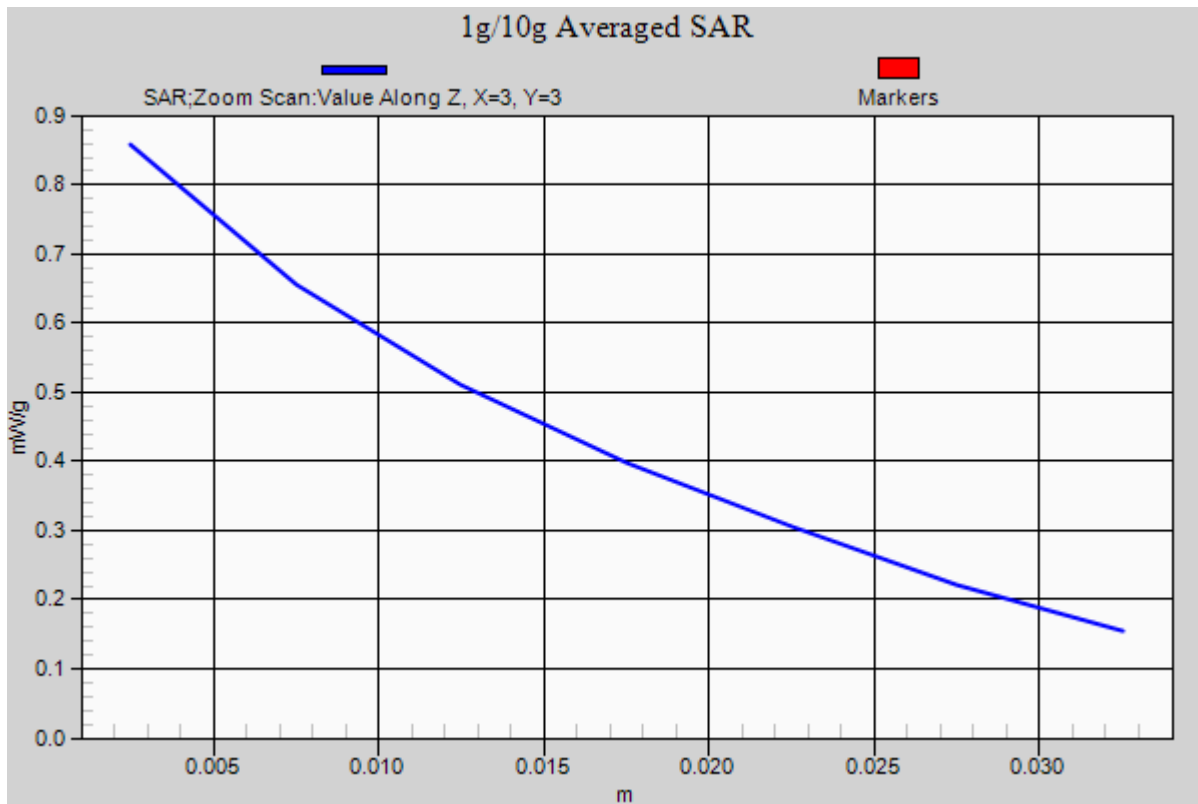
Reference Value = 29.858 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.170 W/kg

SAR(1 g) = 0.653 mW/g; SAR(10 g) = 0.458 mW/g

Maximum value of SAR (measured) = 0.848 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Right Head Cheek Middle CH190

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.90$ 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 (41x91x1):

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

Maximum value of SAR (measured) = 1.116 mW/g

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

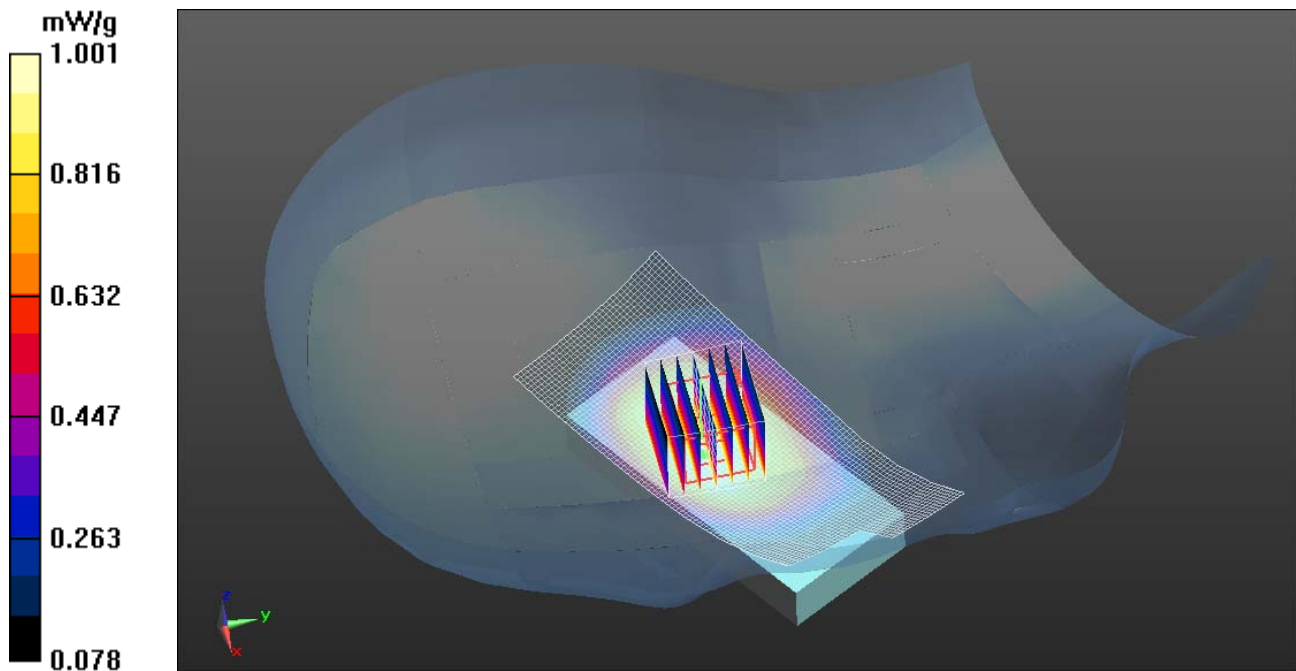
Measurement grid: dx=5mm, dy=5mm, dz=5mm

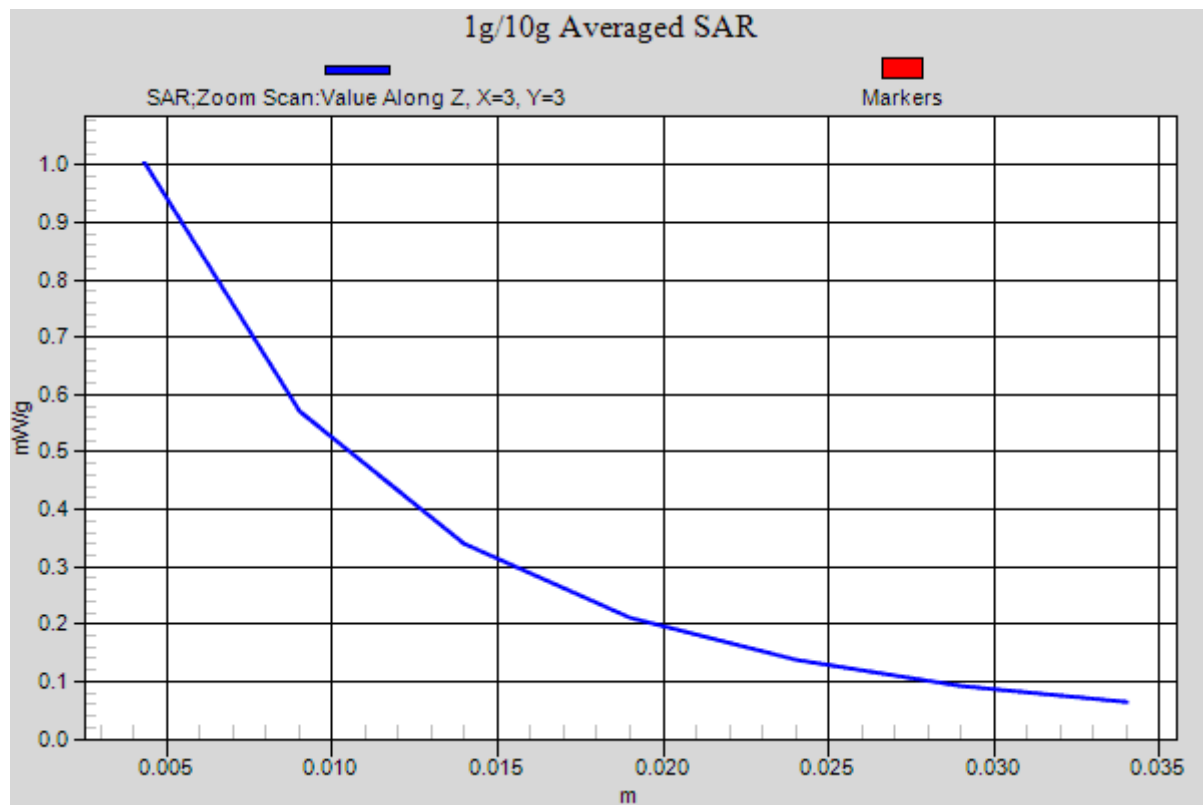
Reference Value = 32.003 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.385 W/kg

SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.442 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Right Head Cheek High CH251

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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): $f = 848.6 \text{ MHz}$; $\sigma = 0.903 \text{ mho/m}$; $\epsilon_r = 41.327$; $\rho = 1000 \text{ kg/m}^3$

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 (41x91x1):

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

Maximum value of SAR (measured) = 1.383 mW/g

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

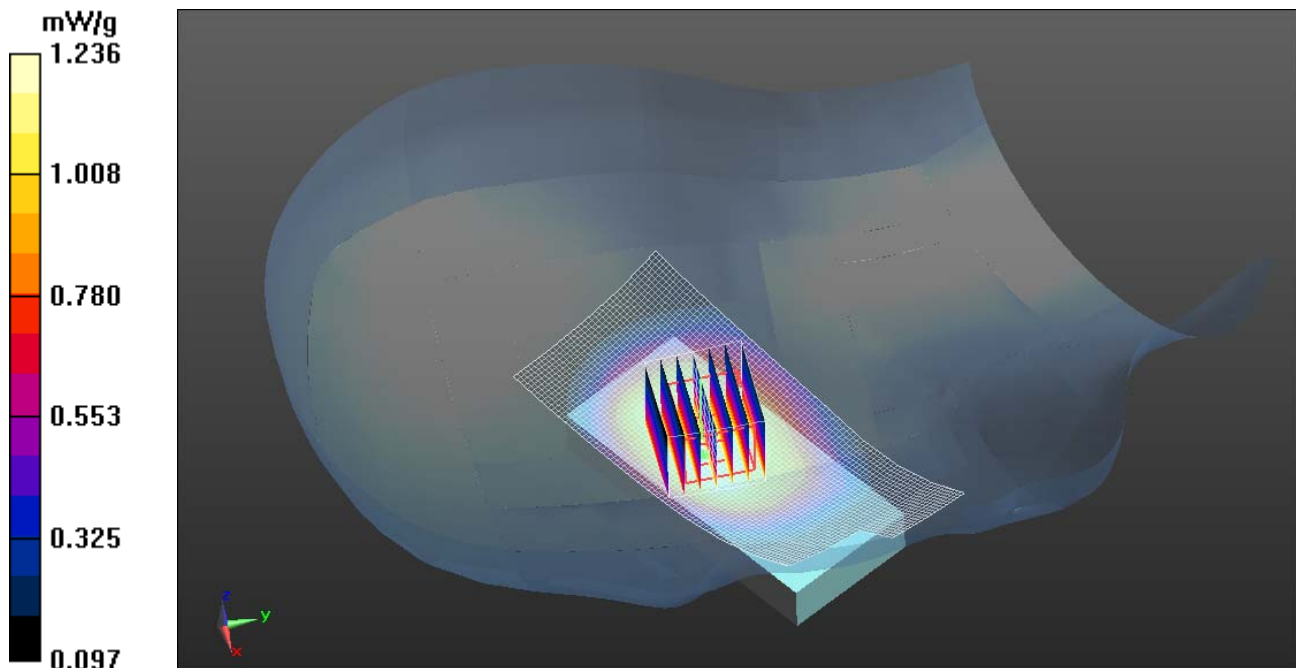
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

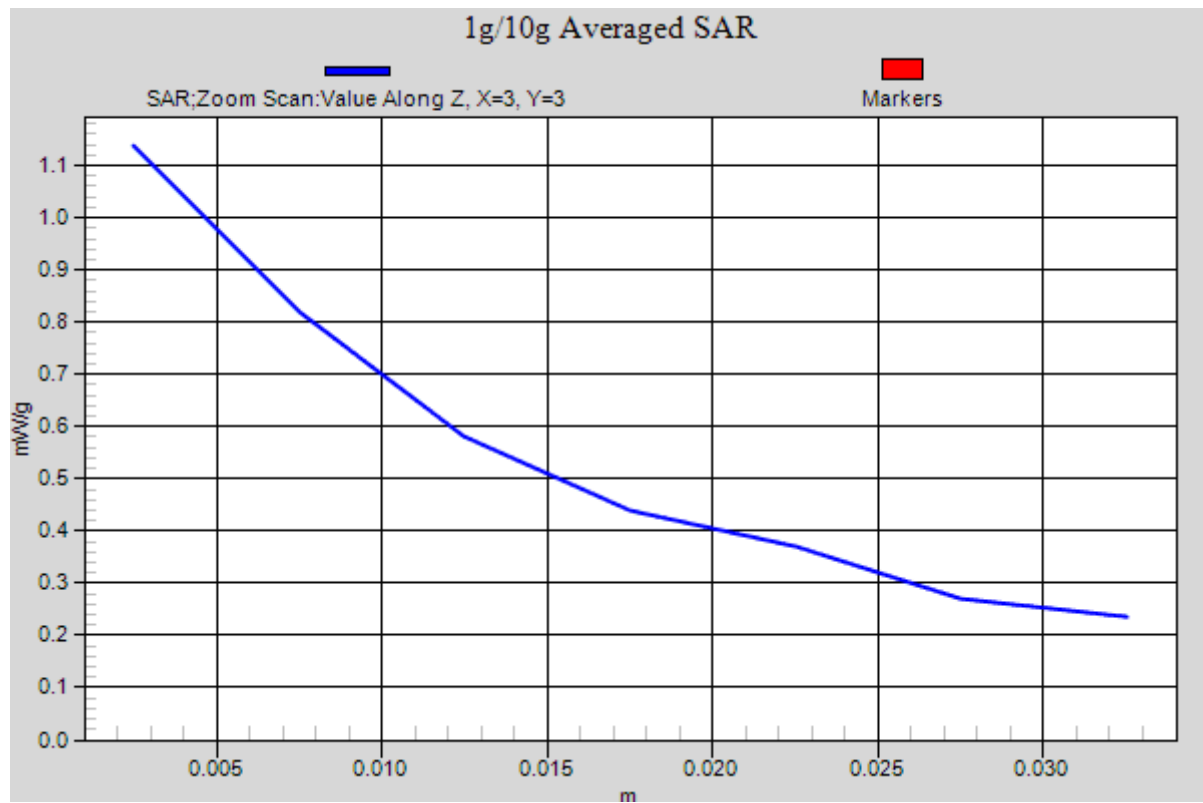
Reference Value = 34.532 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.616 W/kg

SAR(1 g) = 0.741 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 1.136 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Right Head Tilted High CH251

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.903$ mho/m; $\epsilon_r = 41.327$; $\rho = 1000$ 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 High CH251/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.268 mW/g

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

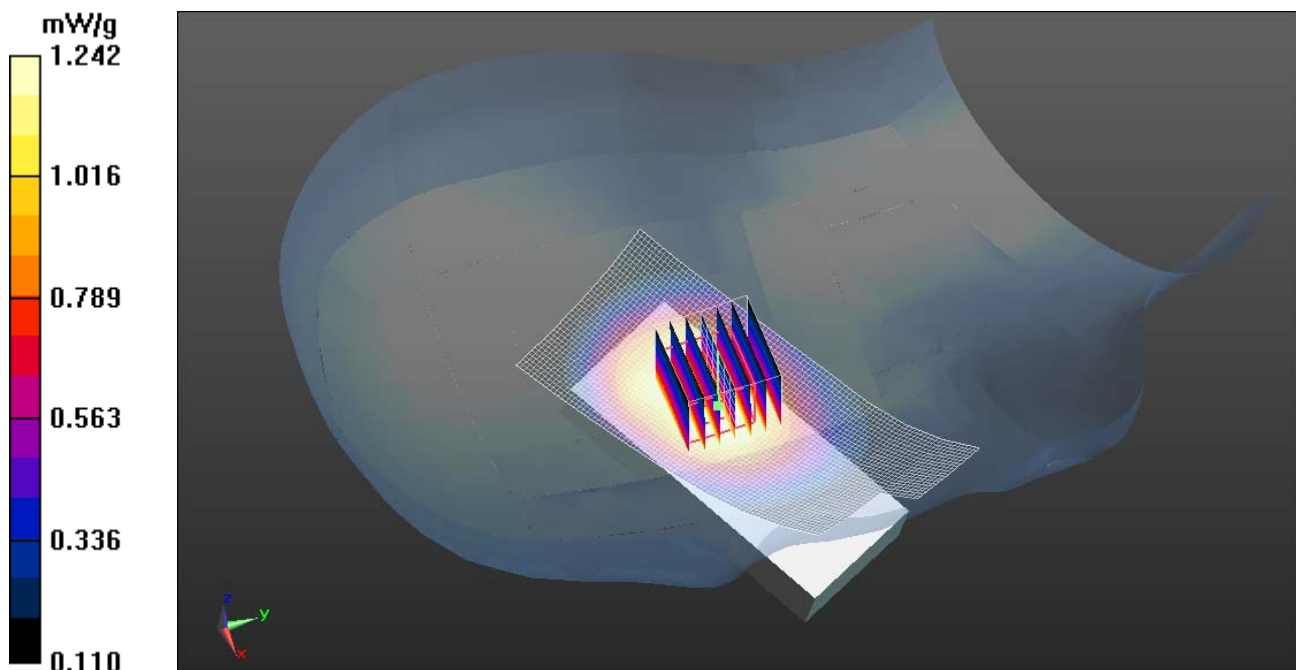
Measurement grid: dx=5mm, dy=5mm, dz=5mm

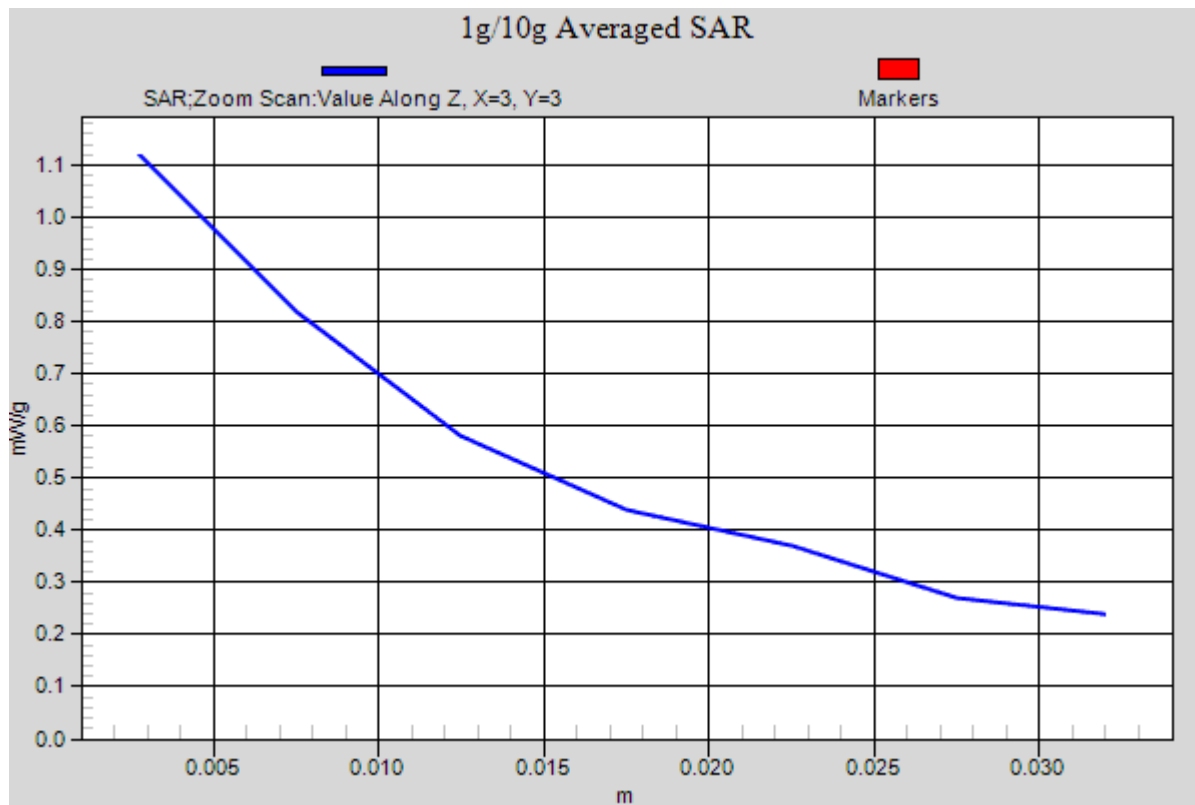
Reference Value = 34.586 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.557 W/kg

SAR(1 g) = 0.632 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 1.131 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Left Head Cheek High CH251

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.903$ 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 (41x91x1):

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

Maximum value of SAR (measured) = 1.151 mW/g

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

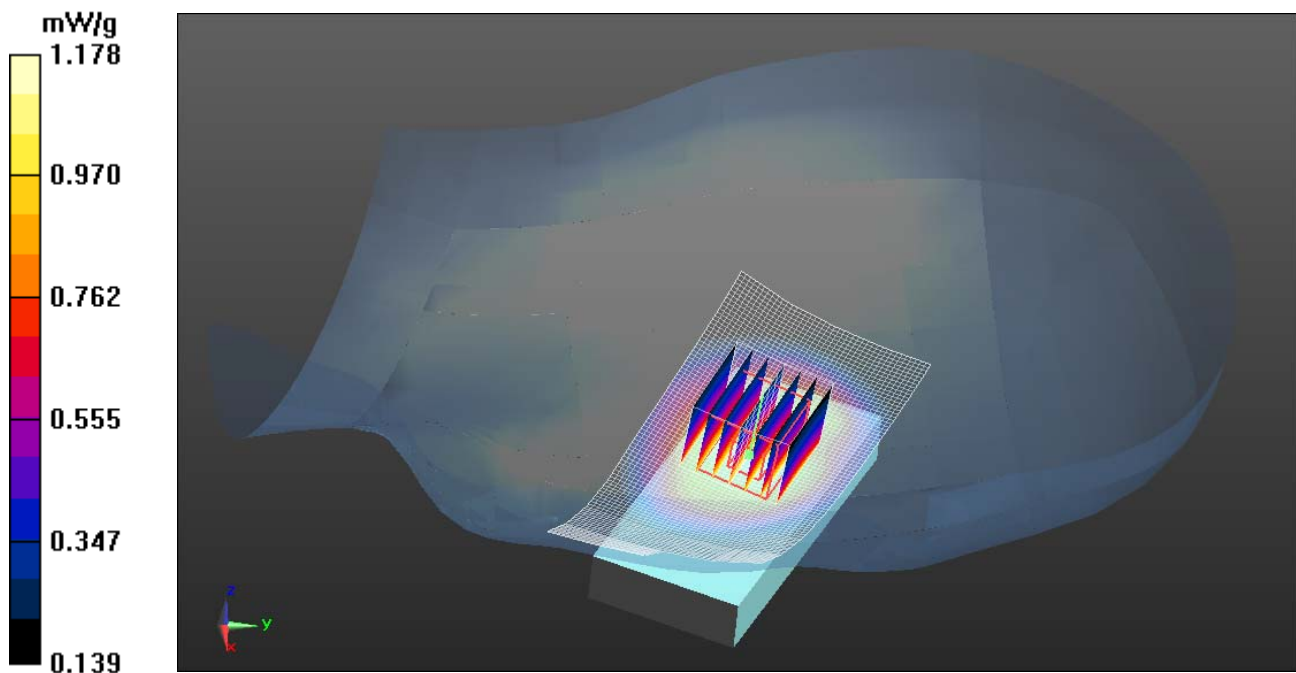
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

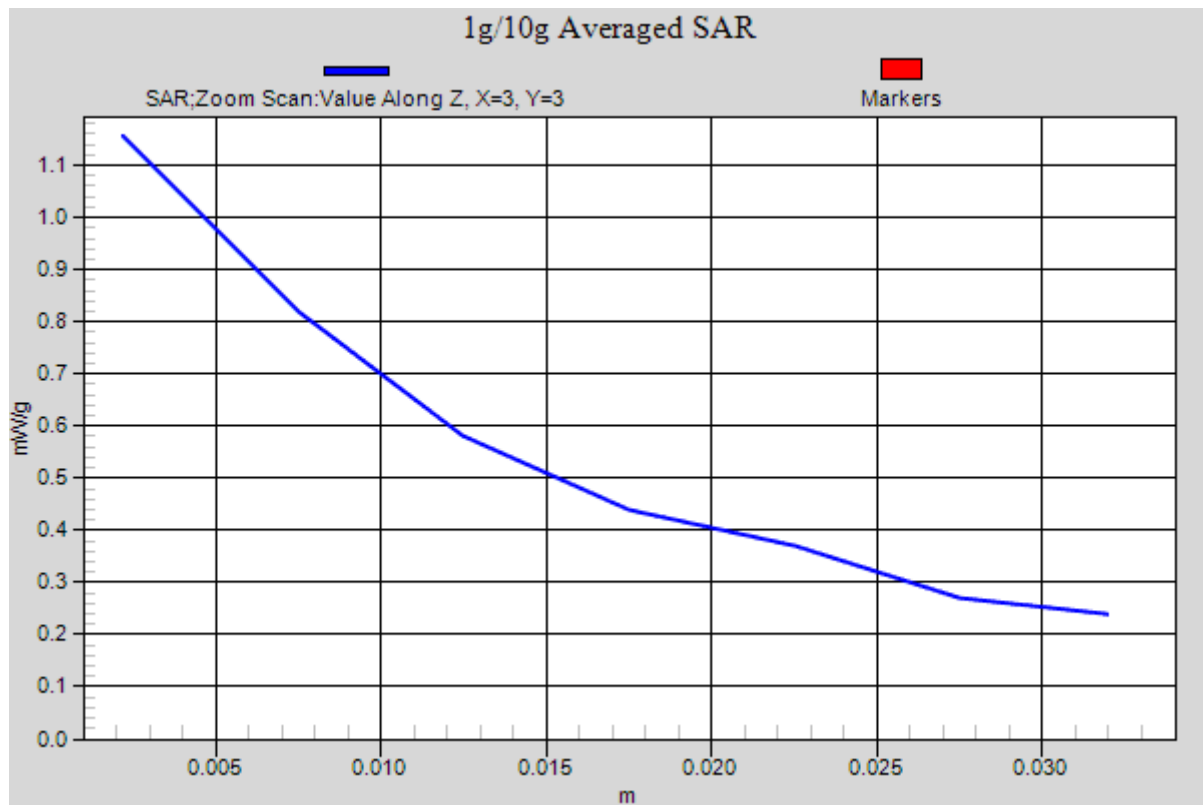
Reference Value = 34.329 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.337 W/kg

SAR(1 g) = 0.544 mW/g; SAR(10 g) = 0.352 mW/g

Maximum value of SAR (measured) = 1.178 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Left Head Tilted High CH251

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.903$ mho/m; $\epsilon_r = 41.327$; $\rho = 1000$ kg/m³

Phantom section: Left 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/Left Head Tilted High CH251/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.088 mW/g

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

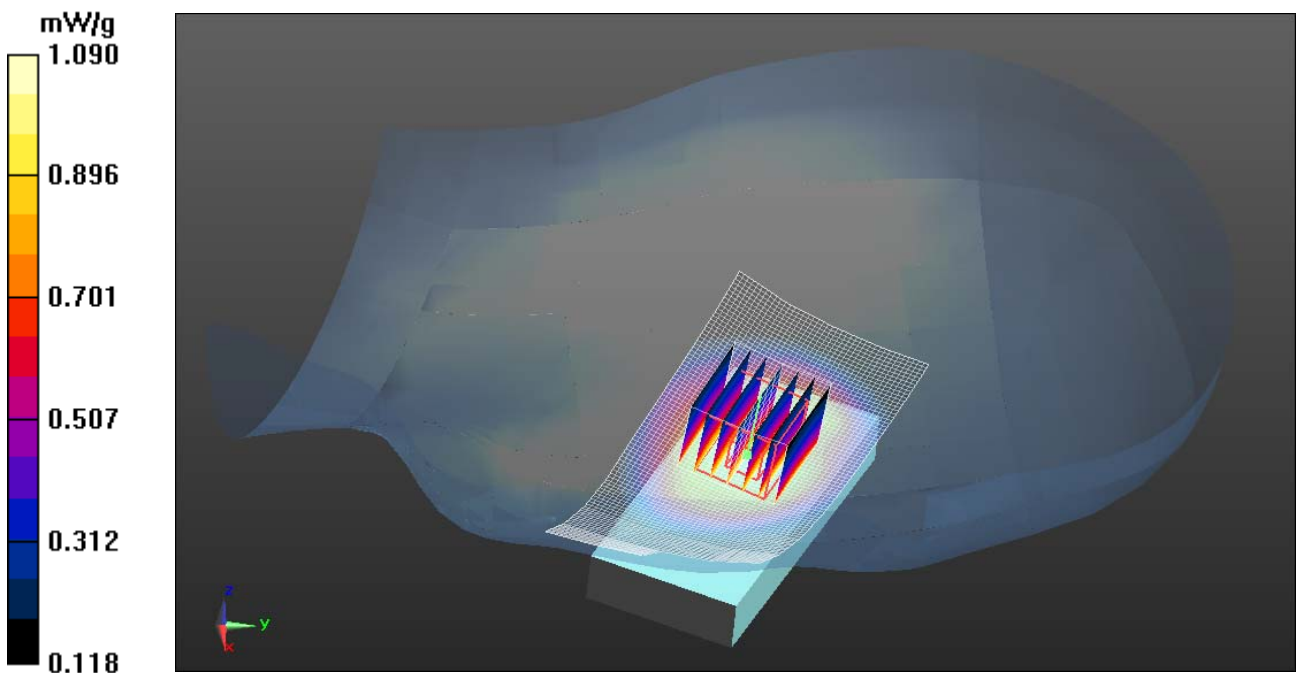
Measurement grid: dx=5mm, dy=5mm, dz=5mm

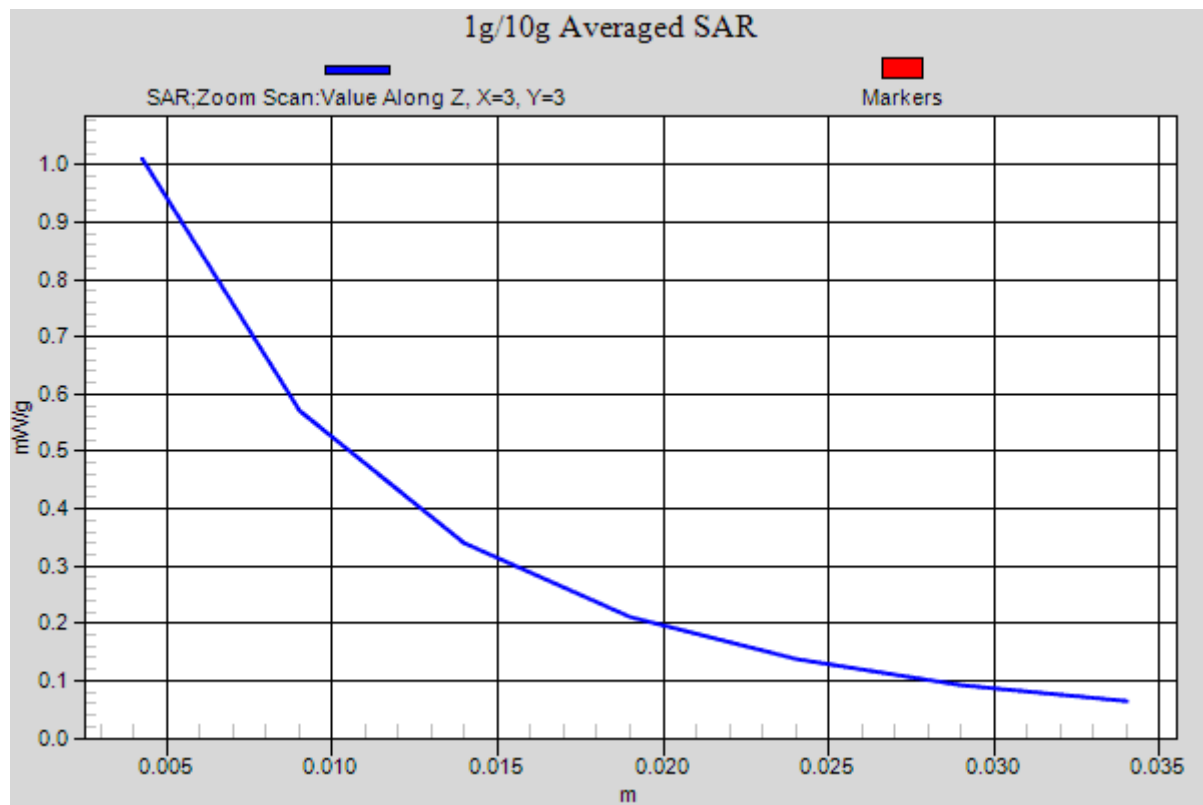
Reference Value = 34.376 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.429 W/kg

SAR(1 g) = 0.488 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 1.090 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS-1900-Right Head Cheek Low CH512

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 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: 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)

PCS1900/Right Head Cheek Low CH512/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 2.130 mW/g

PCS1900/Right Head Cheek Low CH512/Zoom Scan (7x7x7)/Cube 0:

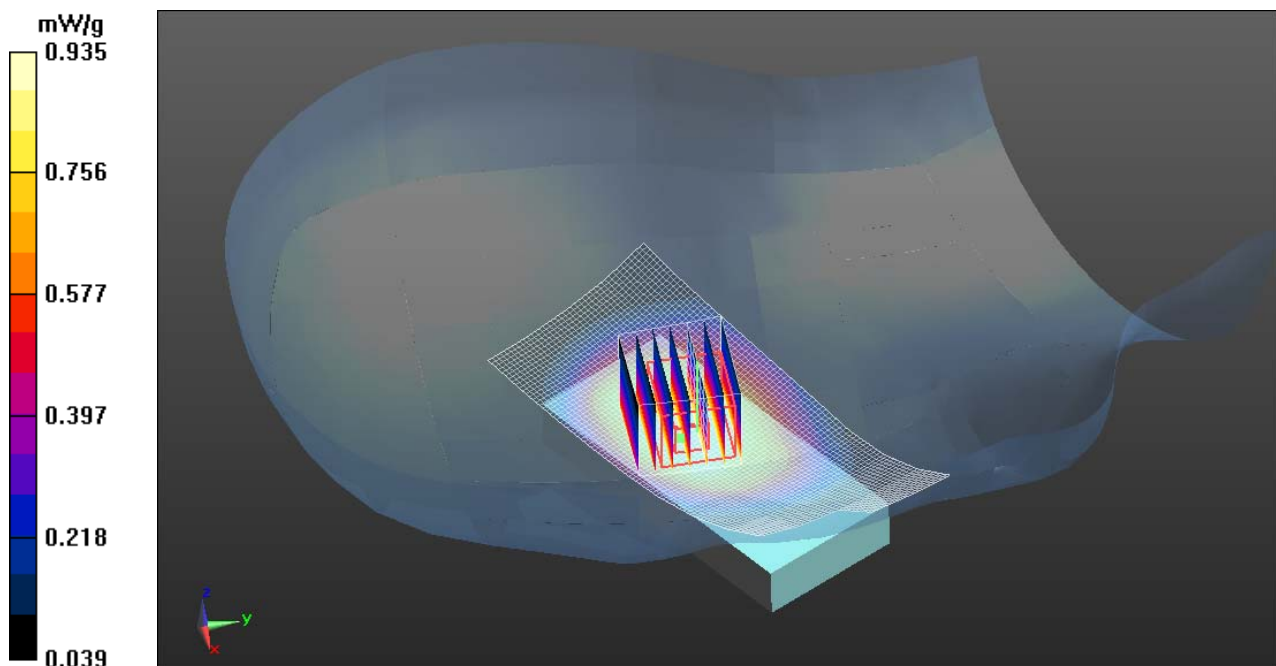
Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

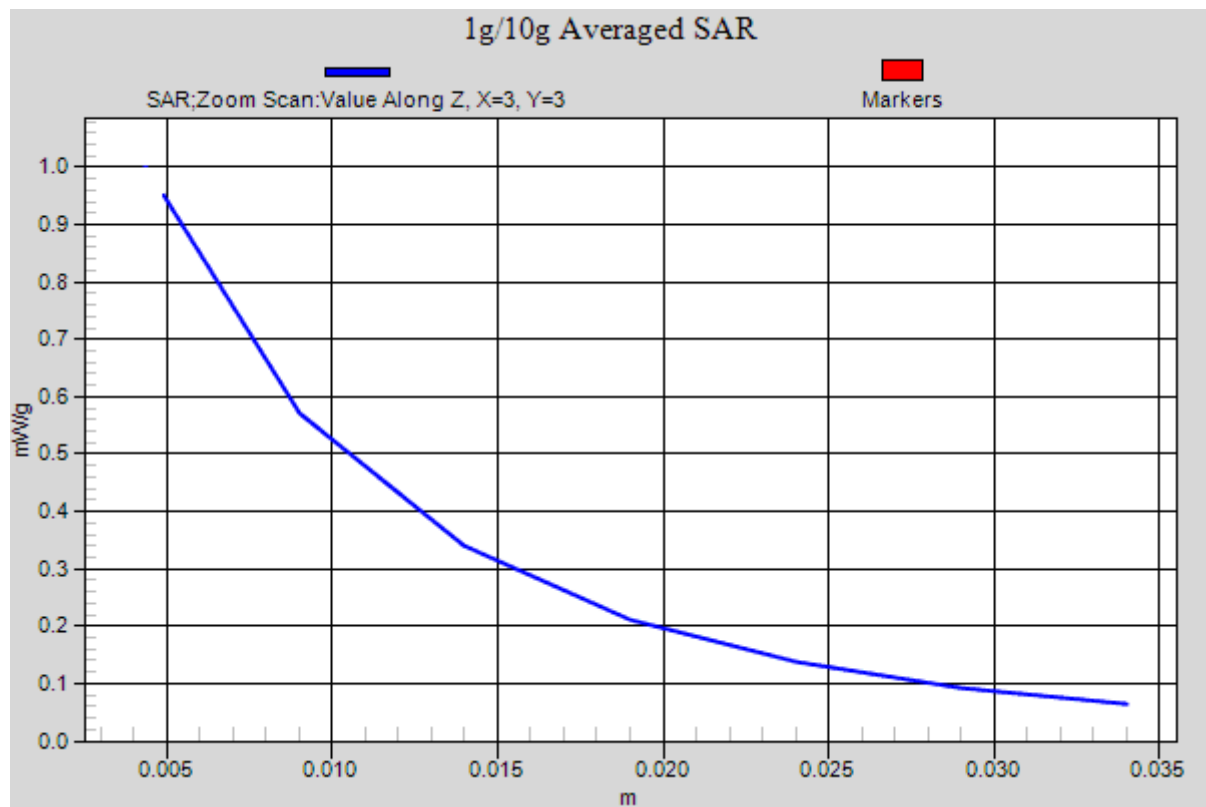
Reference Value = 18.833 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.285 W/kg

SAR(1 g) = 0.574 mW/g; SAR(10 g) = 0.364 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS-1900-Right Head Cheek Middle CH661

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1880 MHz; Communication System PAR: 9.03 dB

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

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.74$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

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)

PCS1900/Right Head Cheek Middle CH661/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.998 mW/g

PCS1900/Right Head Cheek Middle CH661/Zoom Scan (7x7x7)/Cube 0:

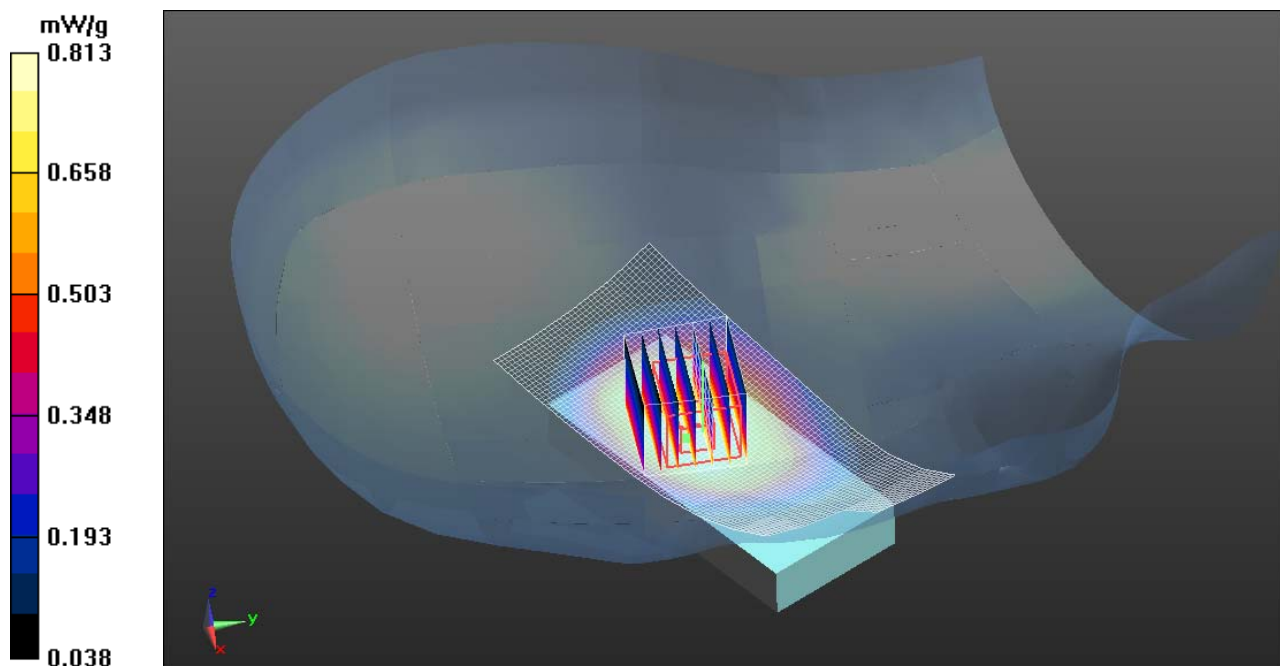
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

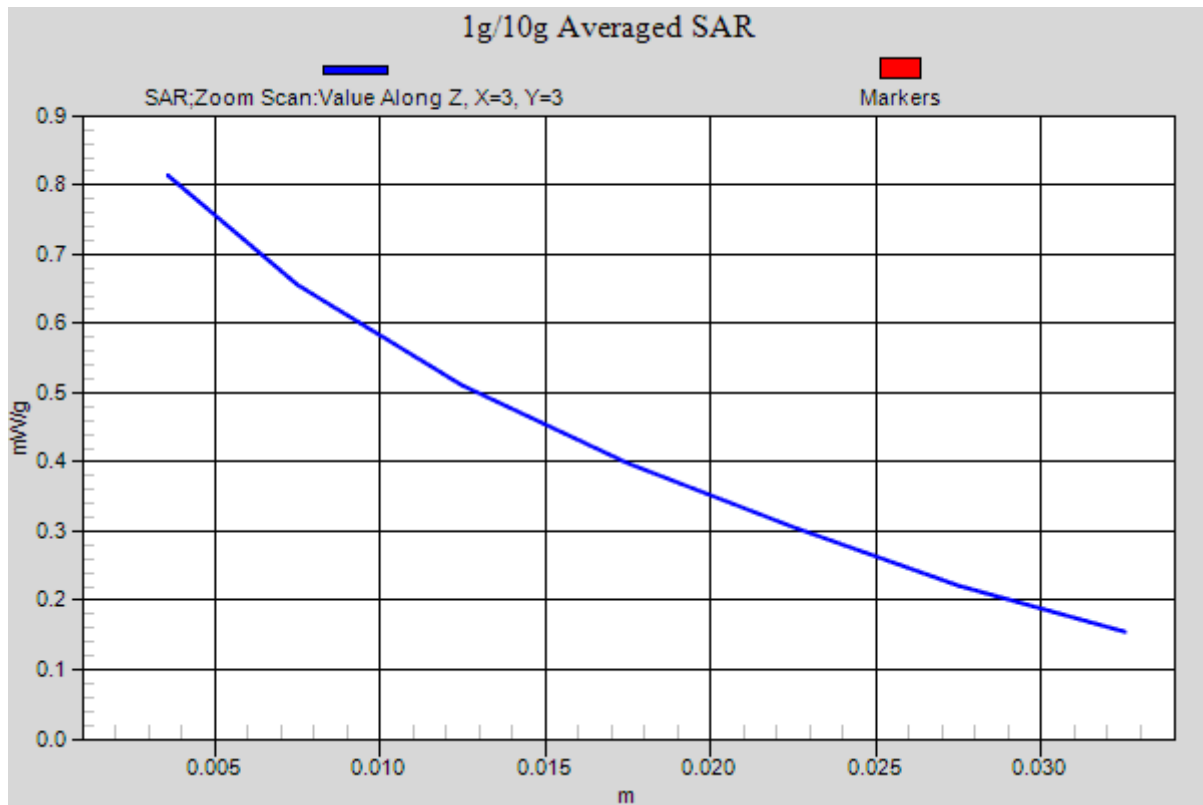
Reference Value = 16.306 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.085 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.161 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS-1900-Right Head Cheek High CH810

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1909.8 MHz; Communication System PAR: 9.03 dB

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.6$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

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

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)

PCS1900/Right Head Cheek High CH810/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 2.020 mW/g

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

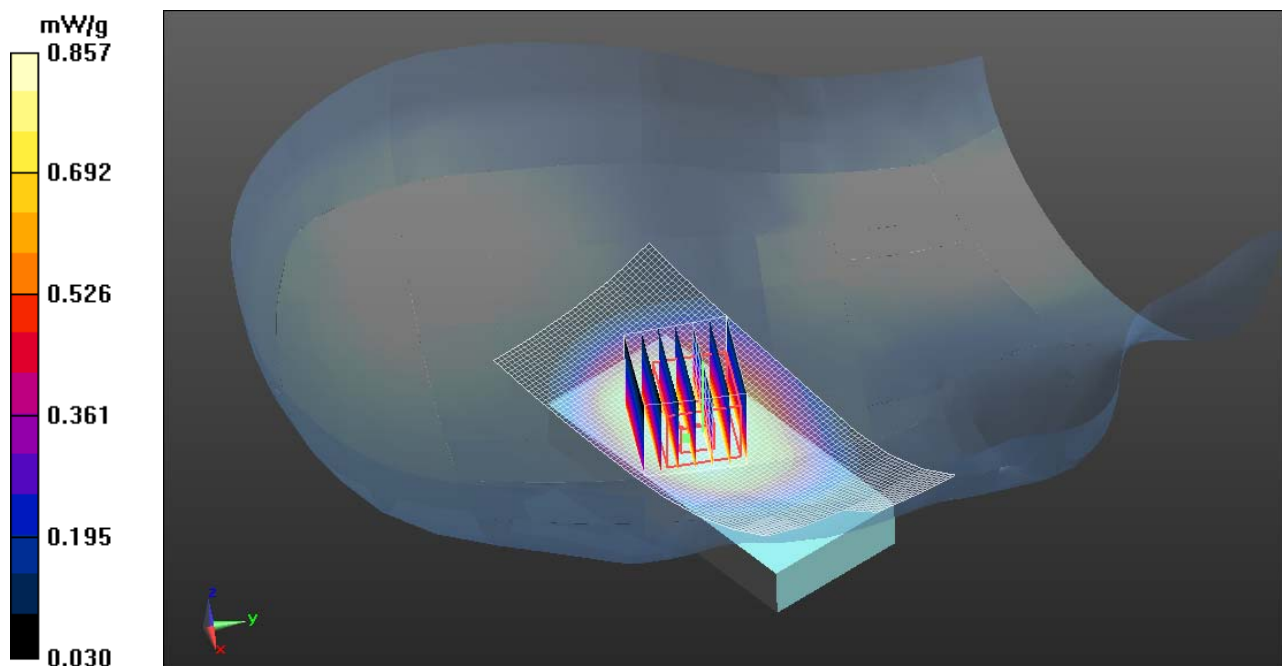
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

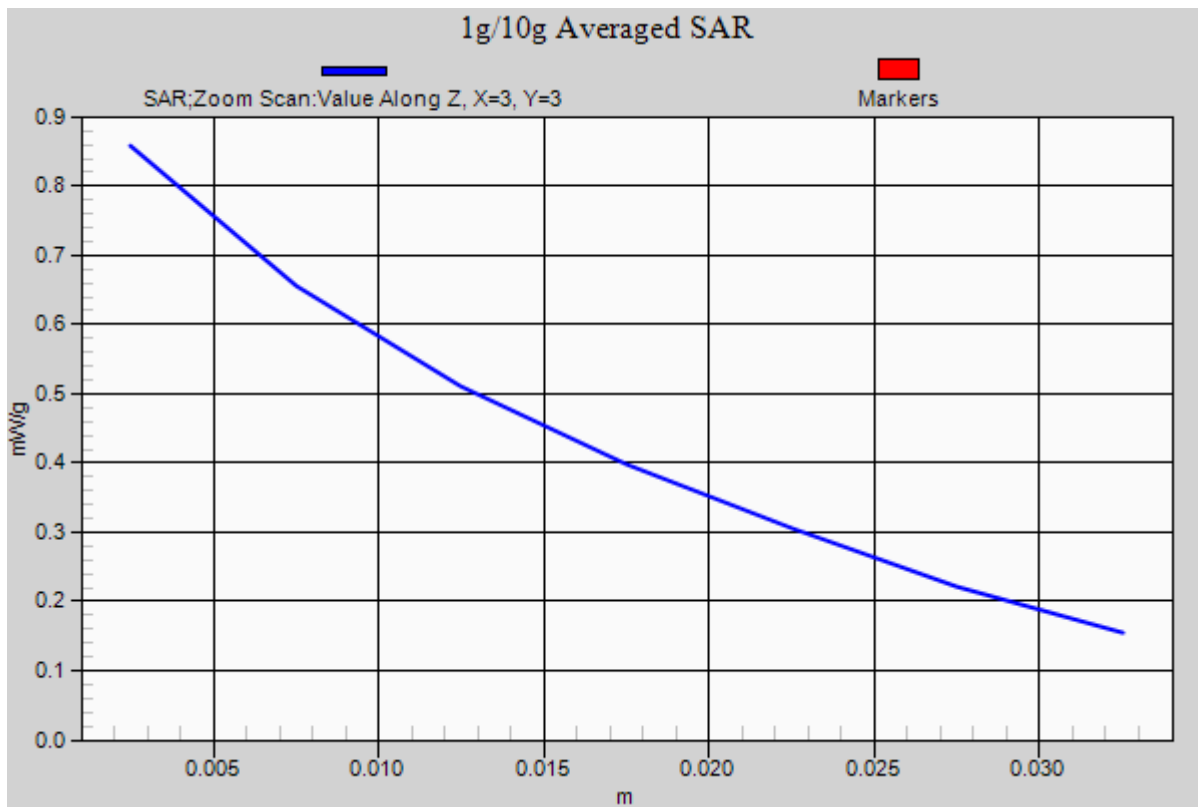
Reference Value = 16.426 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.154 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.217 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS-1900-Right Head Tilted Low CH512

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 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; $\sigma = 1.41$ mho/m; $\epsilon_r = 39.87$; $\rho = 1000$ kg/m³

Phantom section: Right 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)

PCS1900/Right Head Tilted Low CH512/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.923 mW/g

PCS1900/Right Head Tilted Low CH512/Zoom Scan (7x7x7)/Cube 0:

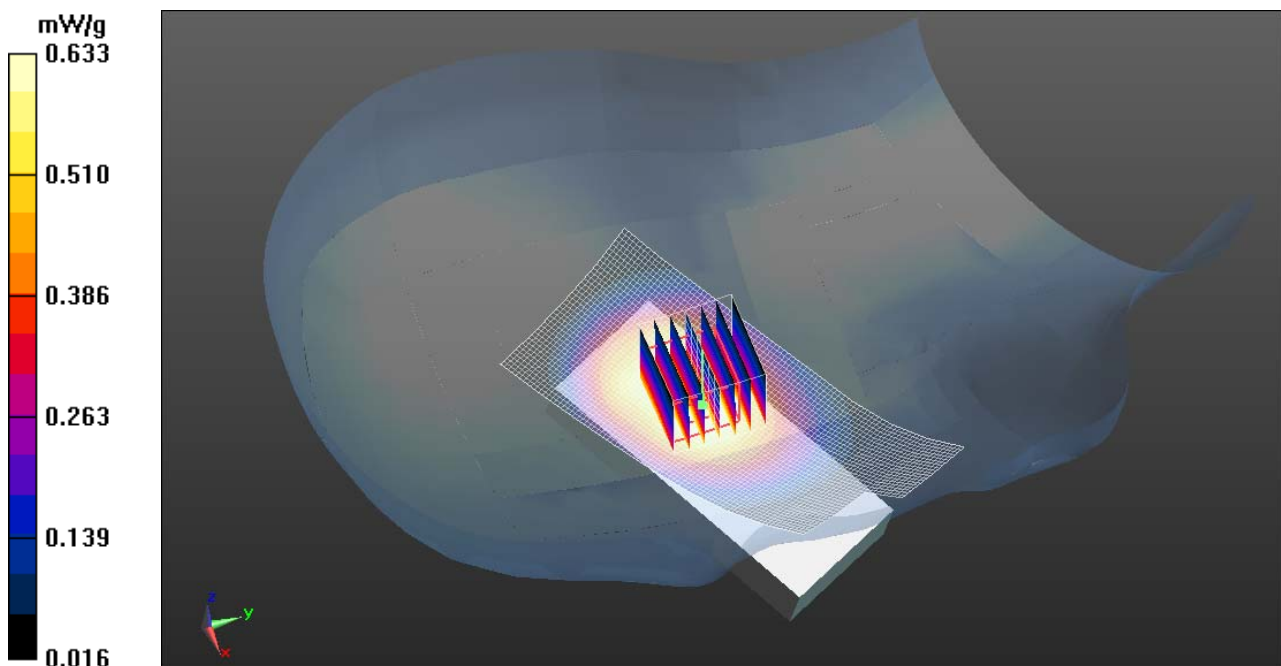
Measurement grid: dx=5mm, dy=5mm, dz=5mm

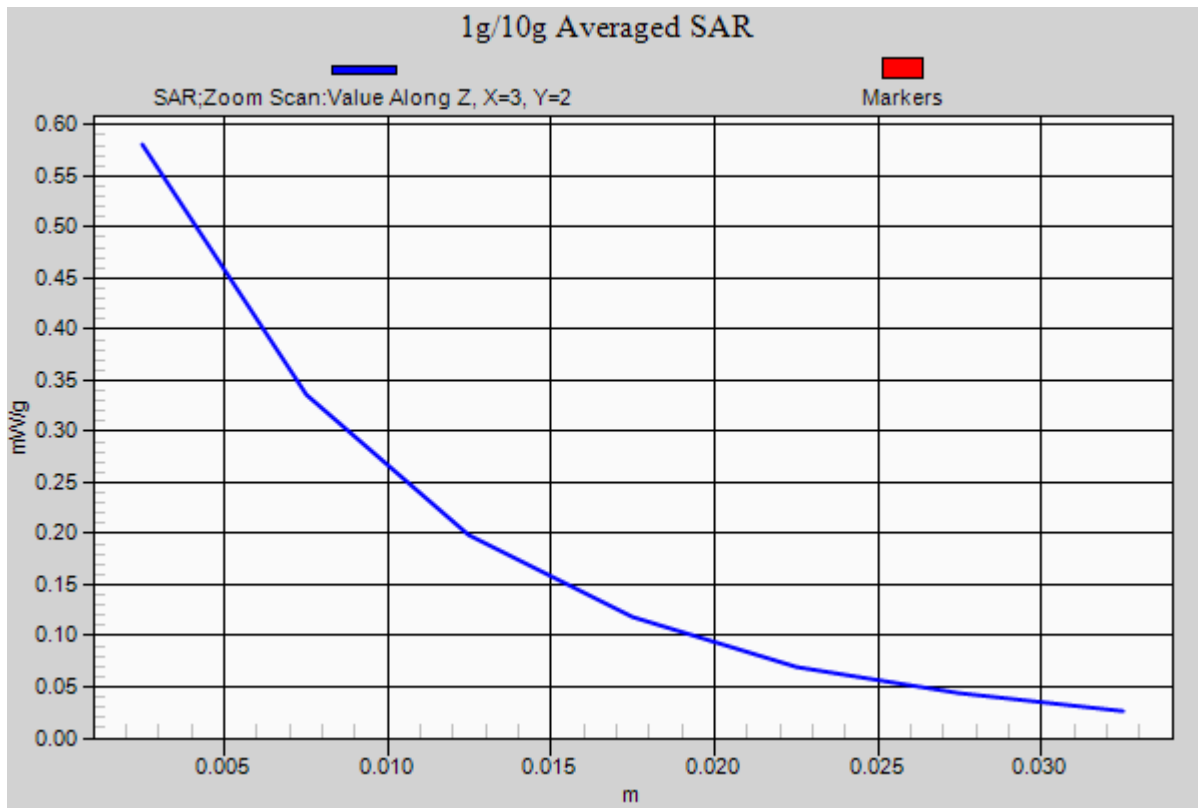
Reference Value = 18.947 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.126 W/kg

SAR(1 g) = 0.498 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 27, 2012

PCS 1900-Left Head Cheek Low CH512

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 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: $f = 1850.2 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 39.87$; $\rho = 1000 \text{ kg/m}^3$

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)

PCS1900/Left Head Cheek Low CH512/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.401 mW/g

PCS1900/Left Head Cheek Low CH512/Zoom Scan (7x7x7)/Cube 0:

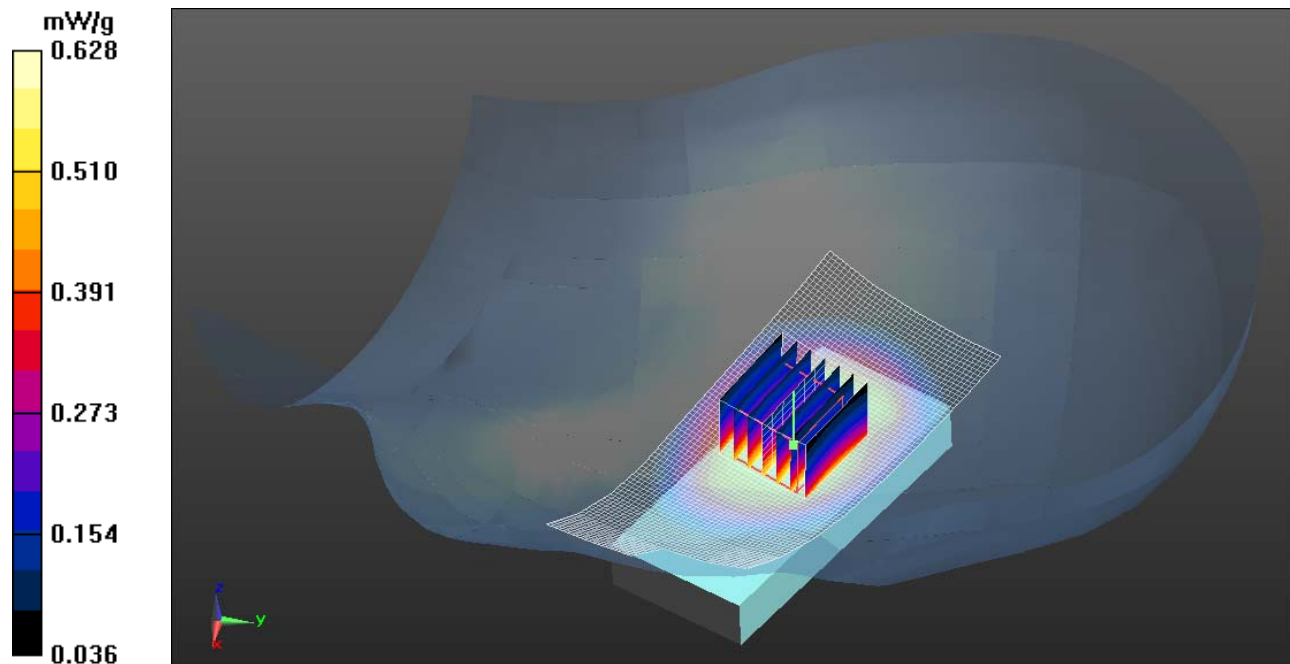
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

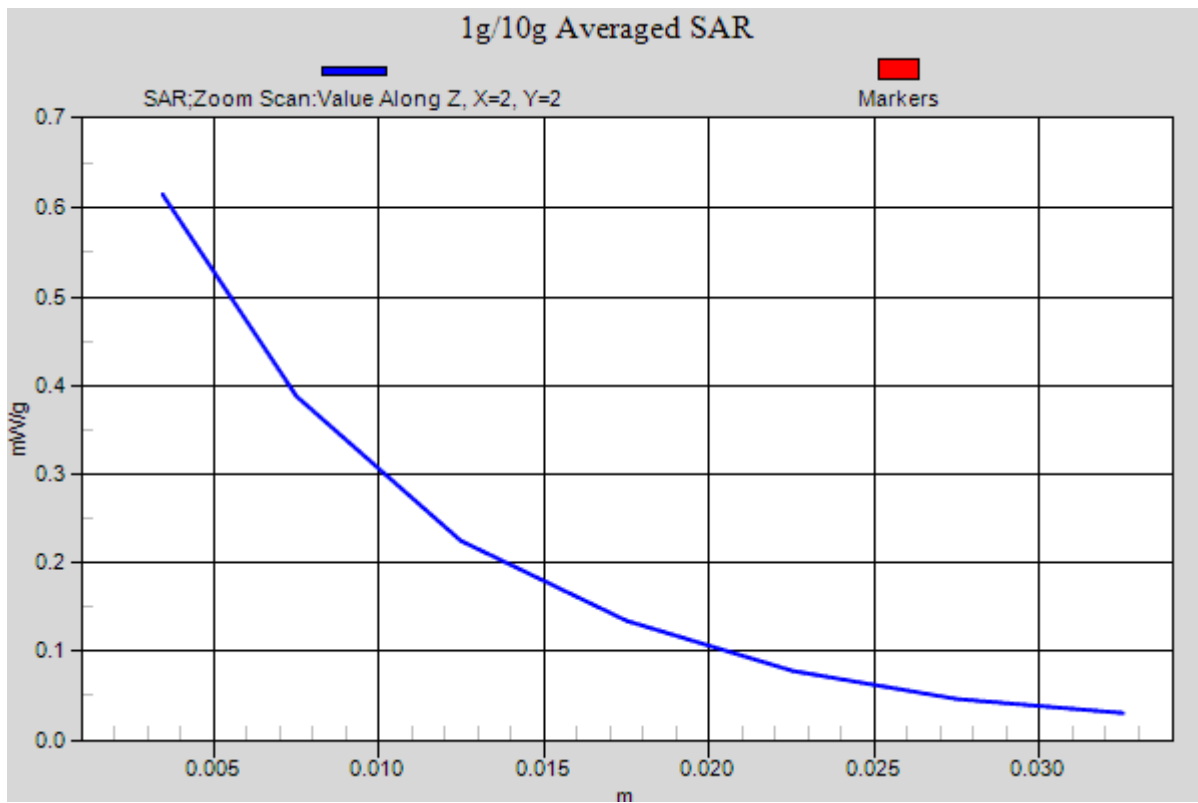
Reference Value = 16.367 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.796 W/kg

SAR(1 g) = 0.513 mW/g; SAR(10 g) = 0.207mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS 1900-Left Head Tilted Low CH512

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 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: 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
- DASY52 52.8.0(692); SEMCAD X 14.6.4(4989)

PCS1900/Left Head Tilted Low CH512/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.553 mW/g

PCS1900/Left Head Tilted Low CH512/Zoom Scan (7x7x7)/Cube 0:

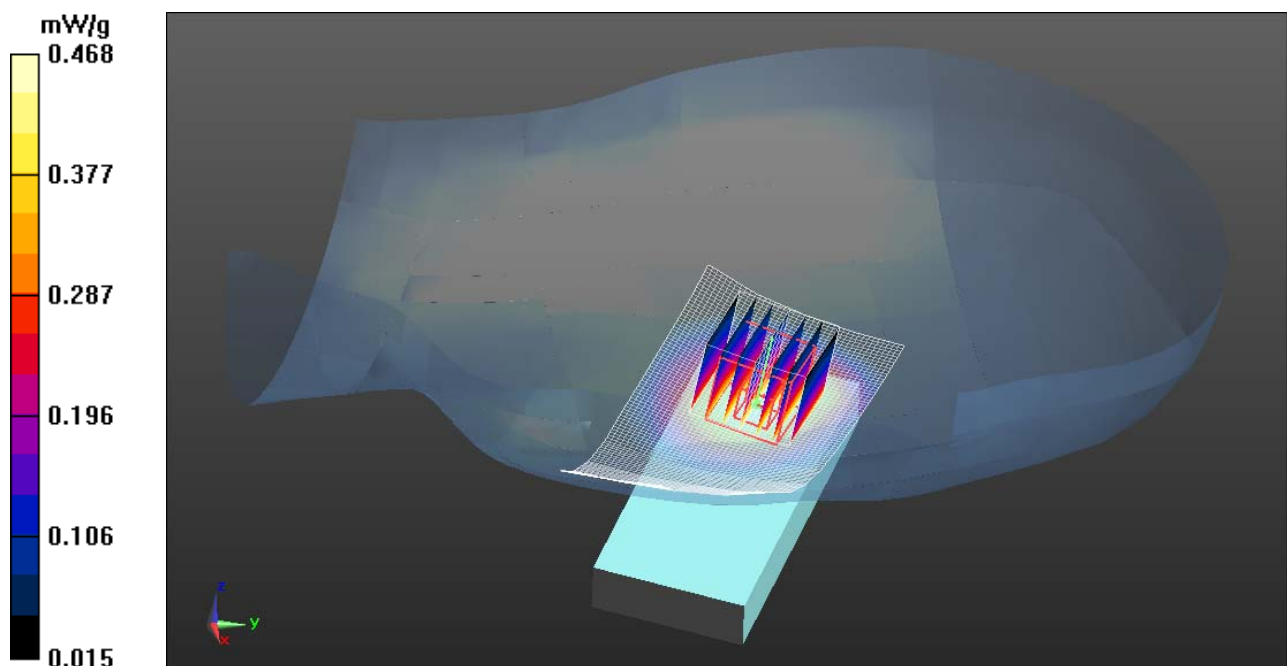
Measurement grid: dx=5mm, dy=5mm, dz=5mm

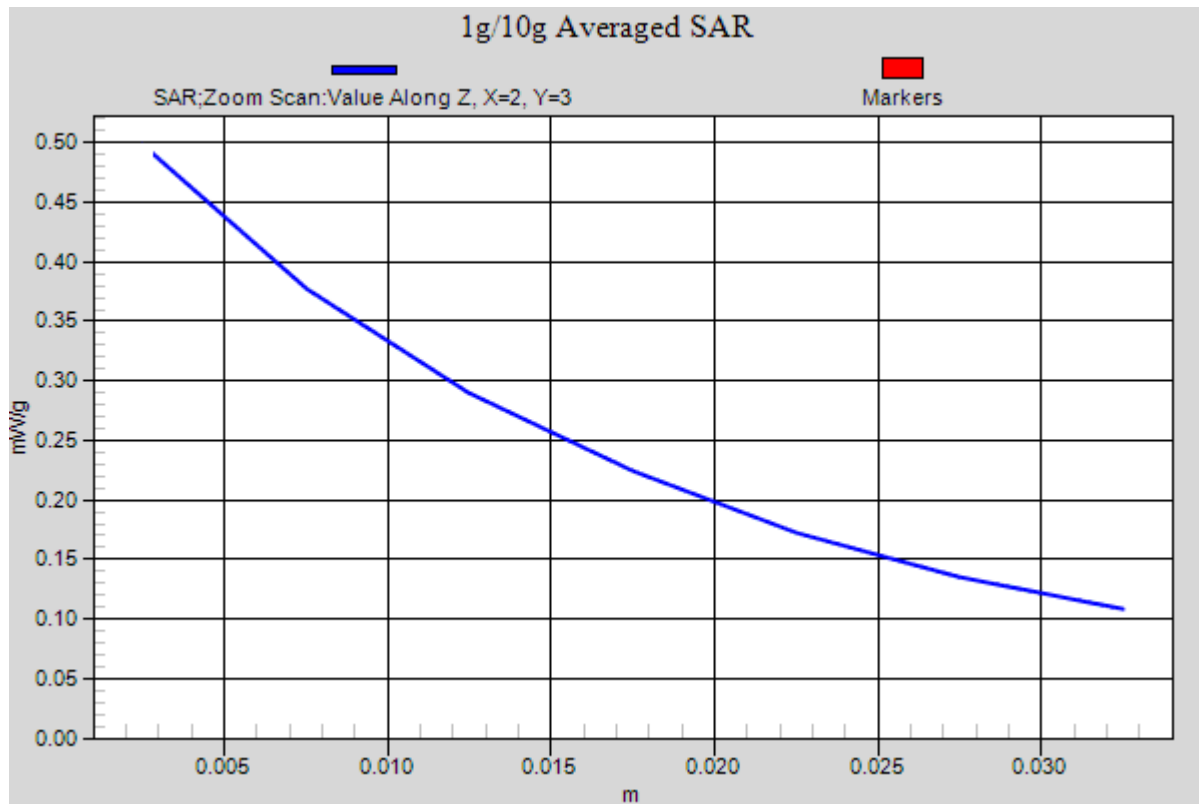
Reference Value = 12.272 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.615 W/kg

SAR(1 g) = 0.462 mW/g; SAR(10 g) = 0.301 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Body Up High CH251

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\epsilon_r = 55.252$; $\rho = 1000$ 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 High CH251/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 0.485 mW/g

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

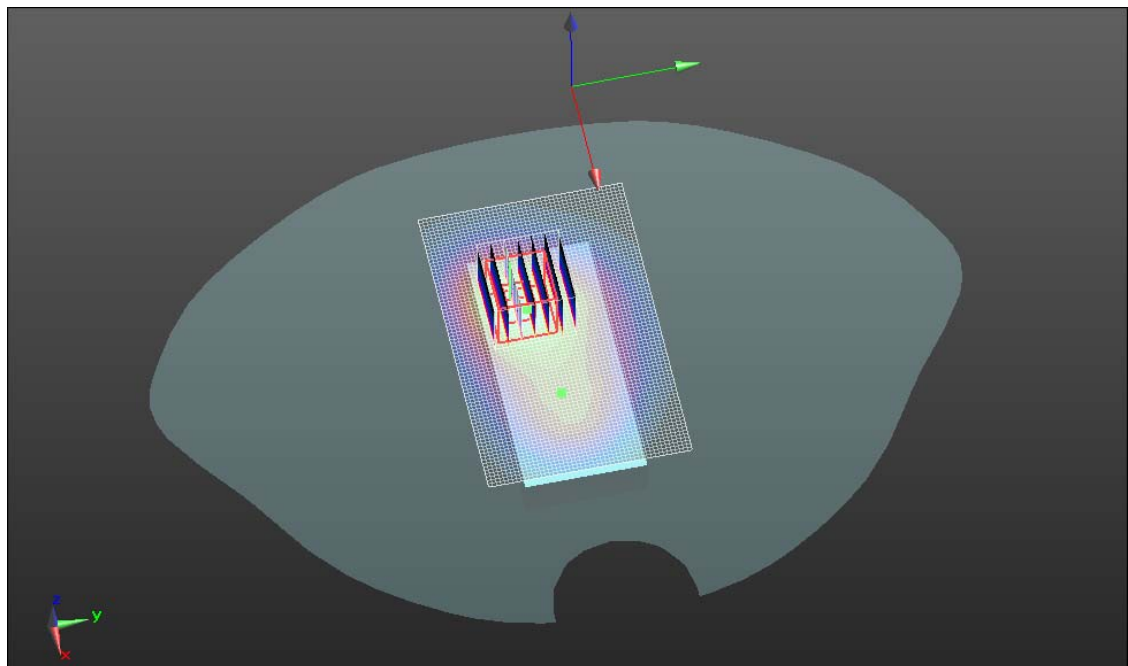
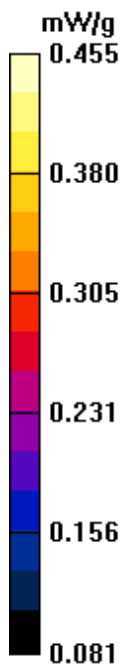
Measurement grid: dx=5mm, dy=5mm, dz=5mm

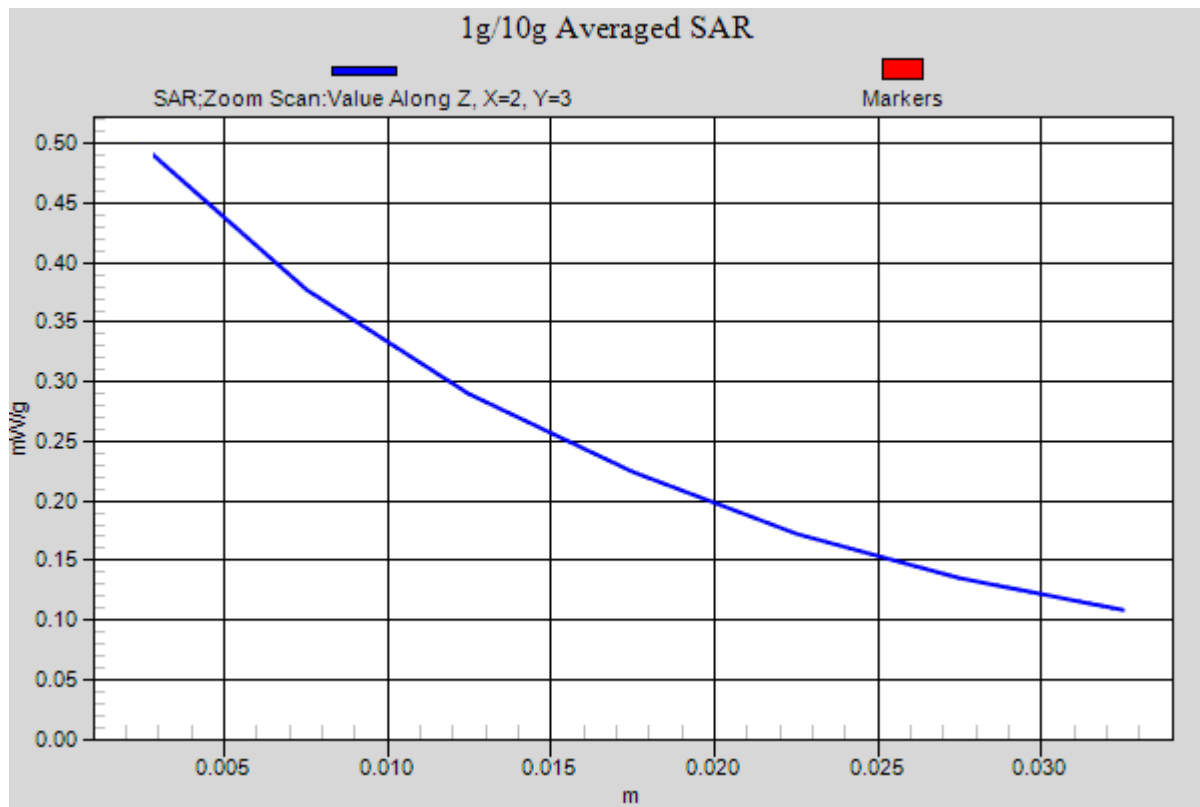
Reference Value = 19.732 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.552 W/kg

SAR(1 g) = 0.384 mW/g; SAR(10 g) = 0.291 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Body Down Low CH128

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.96$ mho/m; $\epsilon_r = 55.359$; $\rho = 1000$ 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 (41x91x1):

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

Maximum value of SAR (measured) = 0.583 mW/g

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

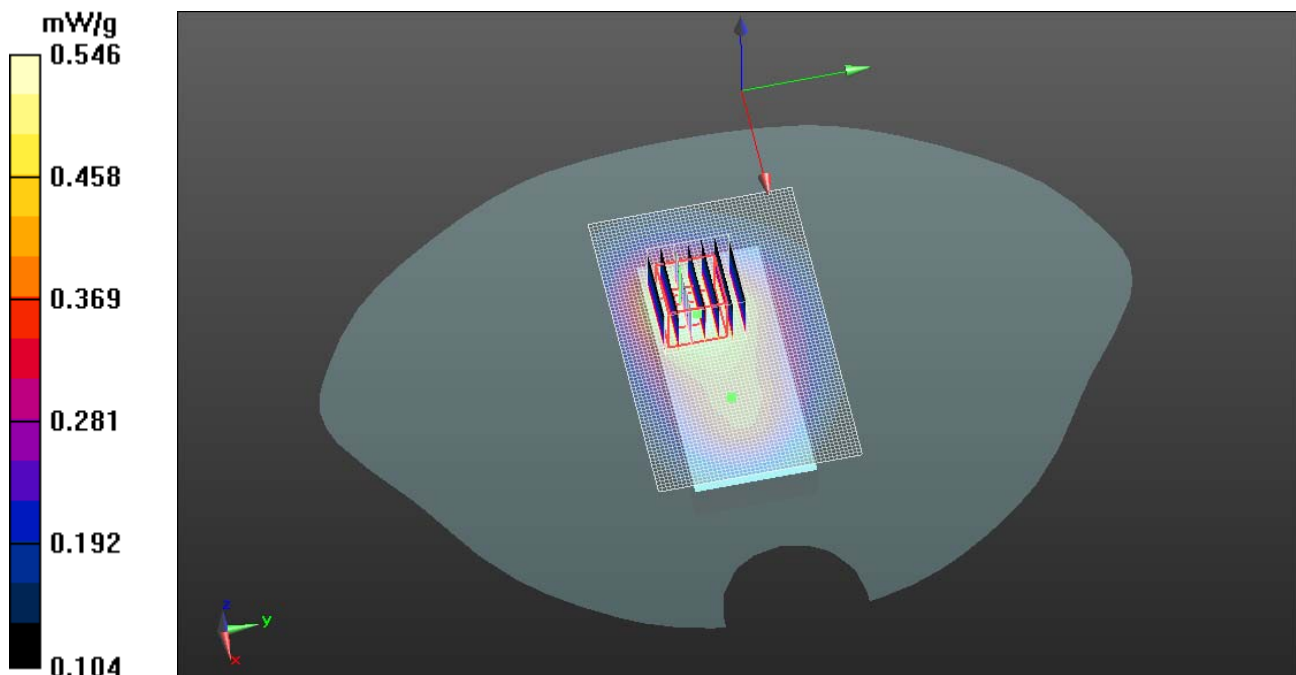
Measurement grid: dx=5mm, dy=5mm, dz=5mm

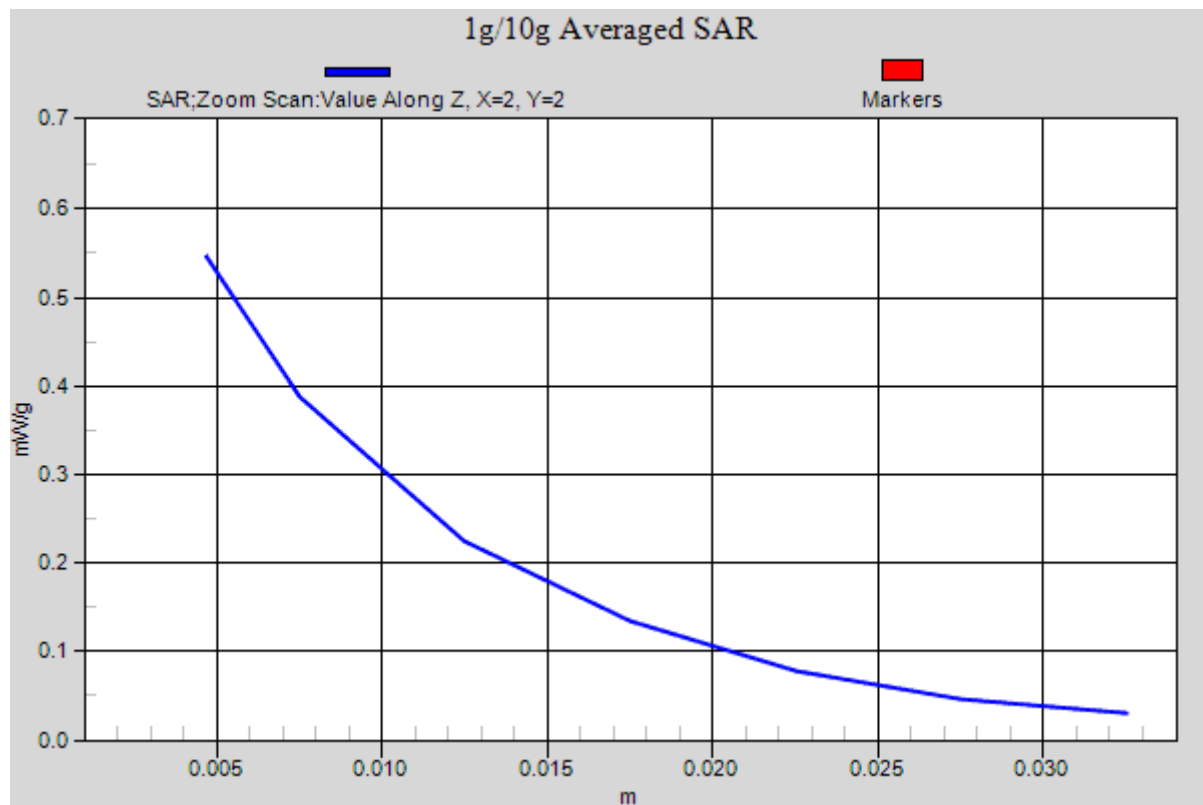
Reference Value = 21.909 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.665 W/kg

SAR(1 g) = 0.536mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.546 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Body Down Middle CH190

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\sigma = 0.962$ mho/m; $\epsilon_r = 55.358$; $\rho = 1000$ 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
- DASYS 52.8.0(692); SEMCAD X 14.6.4(4989)

GSM 850/GSM850 Body Down Middle CH190/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 0.868 mW/g

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

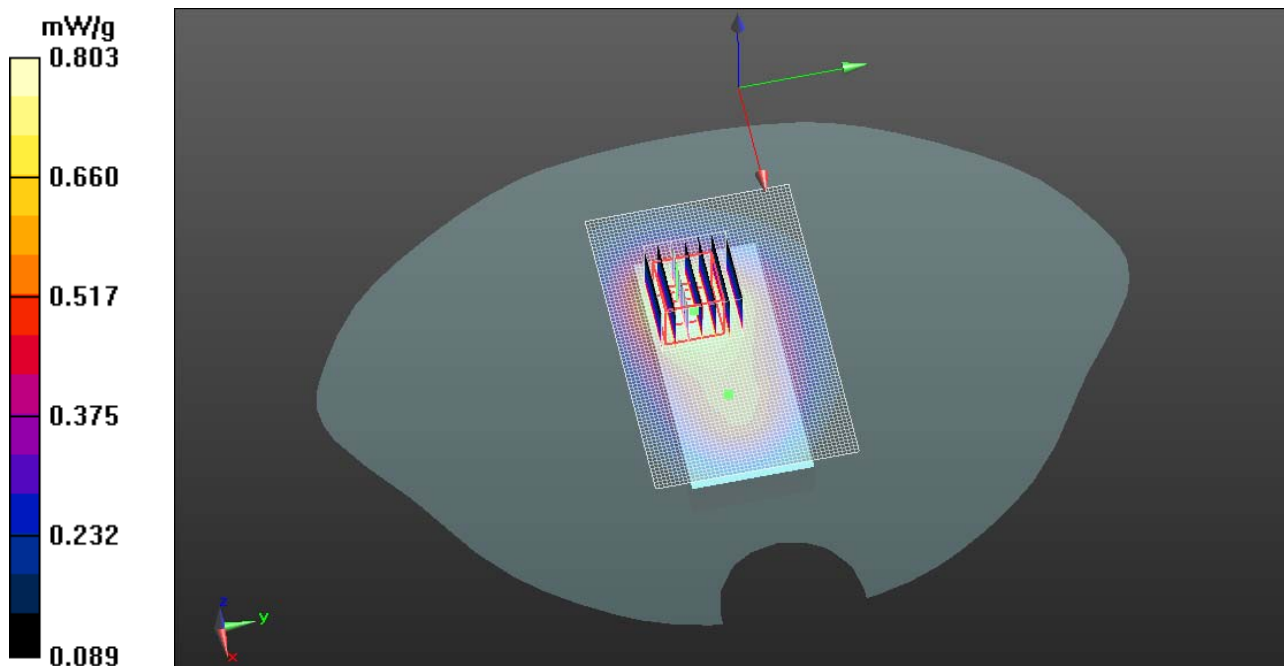
Measurement grid: dx=5mm, dy=5mm, dz=5mm

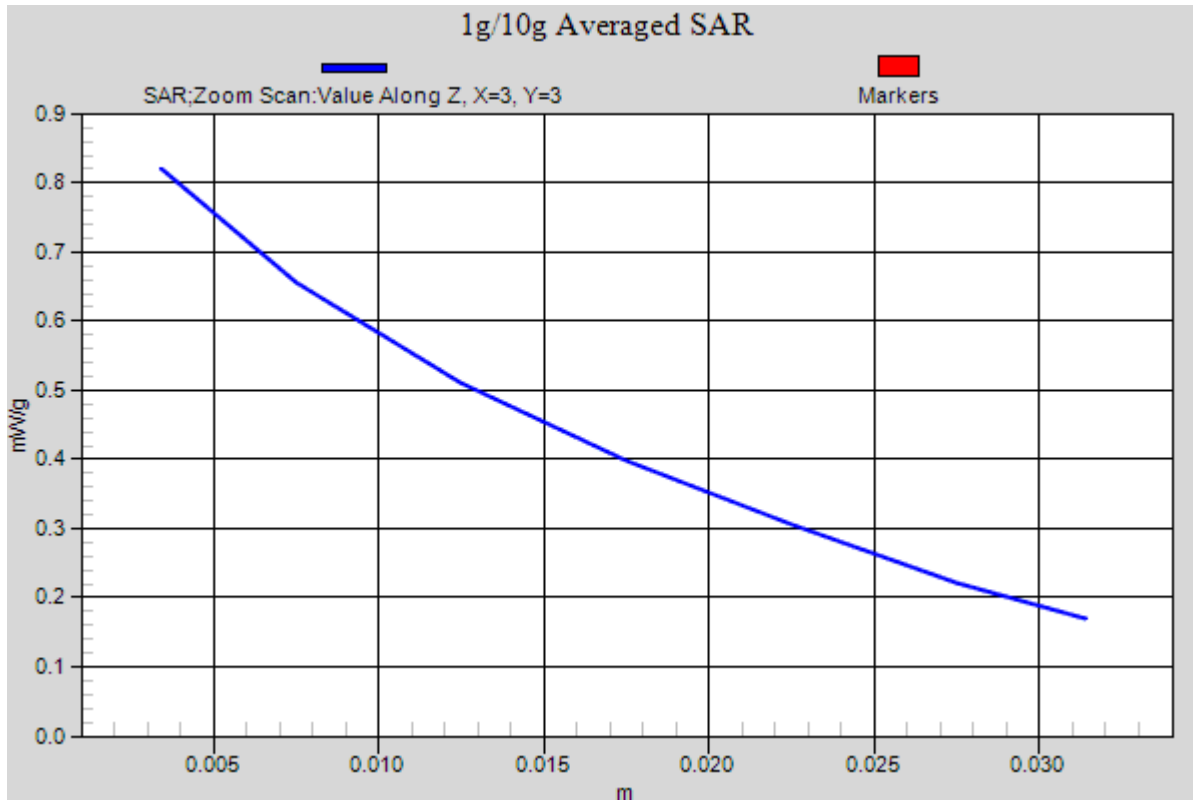
Reference Value = 25.038 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.985 W/kg

SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.803 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

GSM 850-Body Down High CH251

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

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; $\epsilon_r = 55.352$; $\rho = 1000$ 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 High CH251/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 1.148 mW/g

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

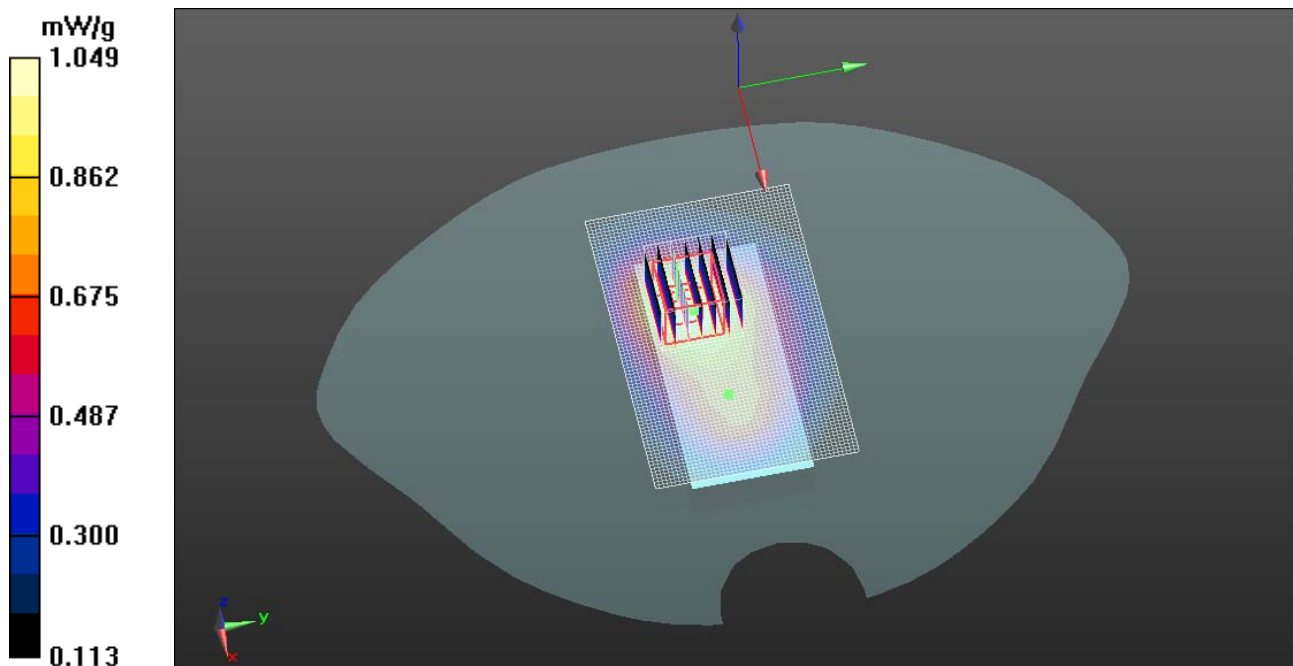
Measurement grid: dx=5mm, dy=5mm, dz=5mm

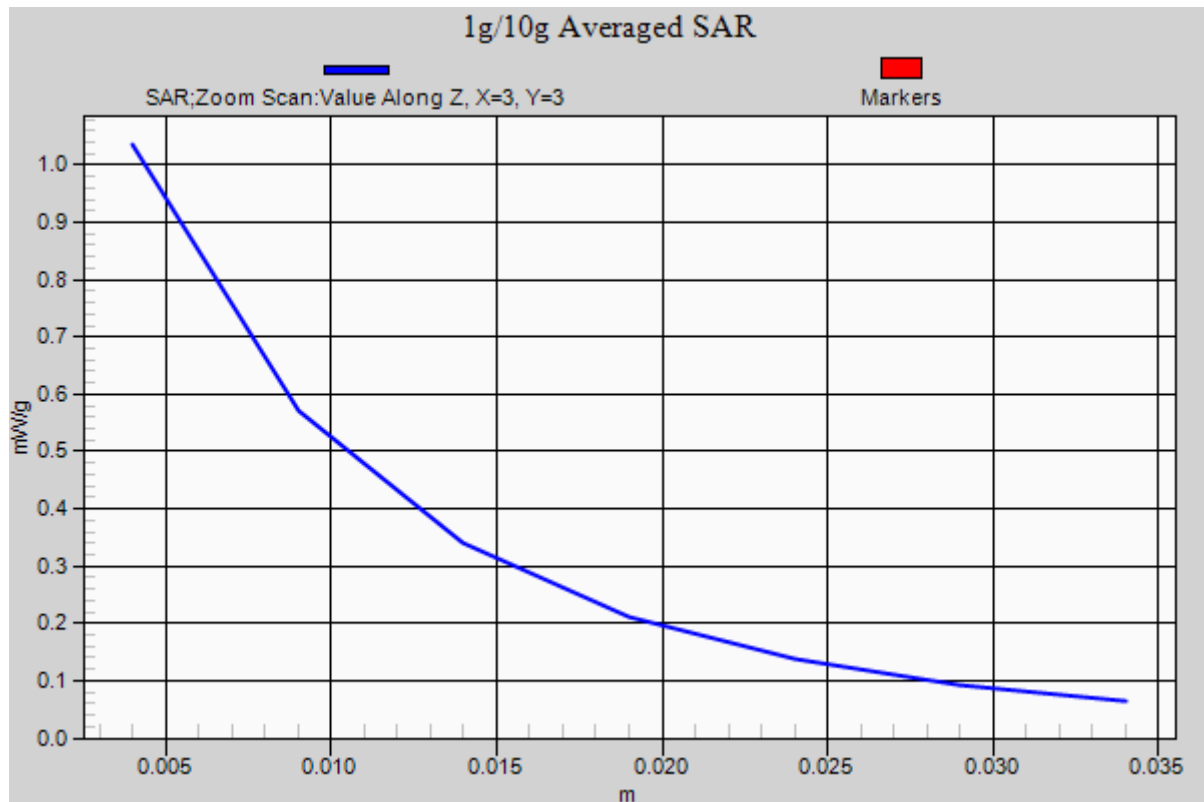
Reference Value = 33.443 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.299 W/kg

SAR(1 g) = 0.699 mW/g; SAR(10 g) = 0.561 mW/g

Maximum value of SAR (measured) = 1.049 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS-1900- Body Up Low CH512

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 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: $f = 1850.2 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.24$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

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

PCS1900/Right Body Up Low CH512/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 0.395 mW/g

PCS1900/Right Body Up Low CH512/Zoom Scan (7x7x7)/Cube 0:

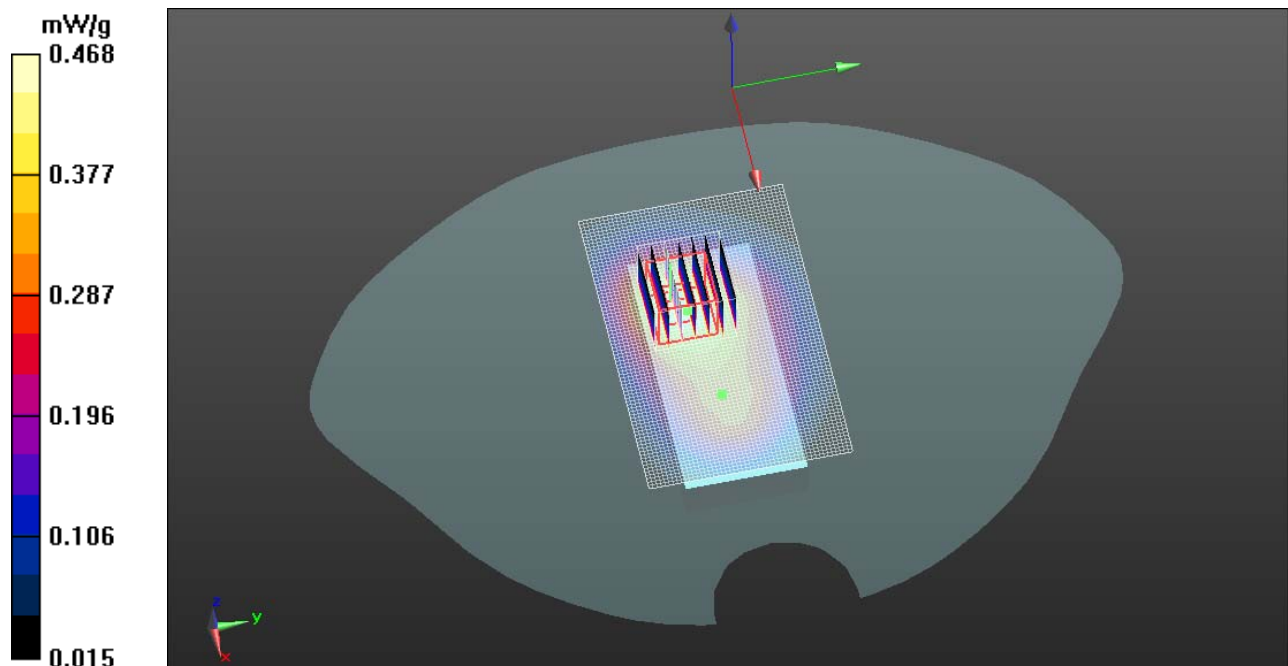
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

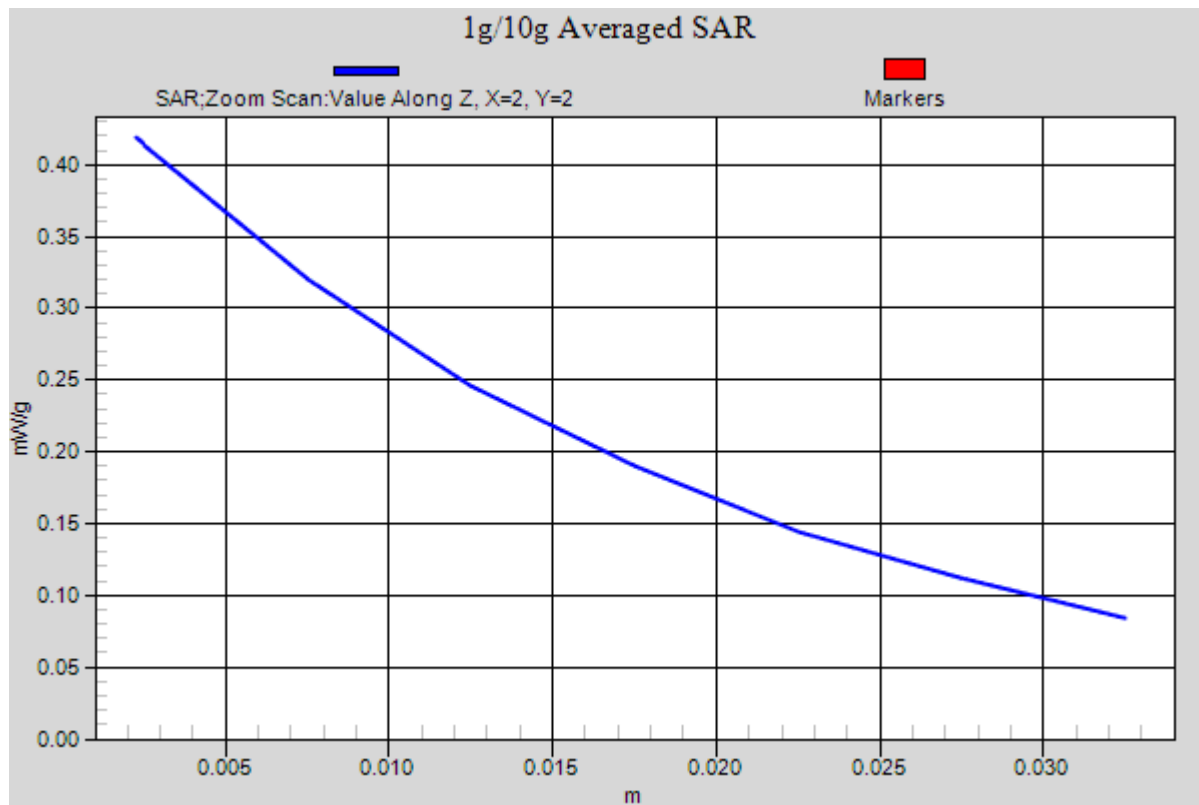
Reference Value = 20.105 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.685W/kg

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.298 mW/g

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







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS1900-Body Down Low CH512

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 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; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.24$; $\rho = 1000$ kg/m³

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

GSM1900/GSM1900 Body Down Low CH512/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 0.836 mW/g

GSM1900/GSM1900 Body Down Low CH512/Zoom Scan (7x7x7)/Cube 0:

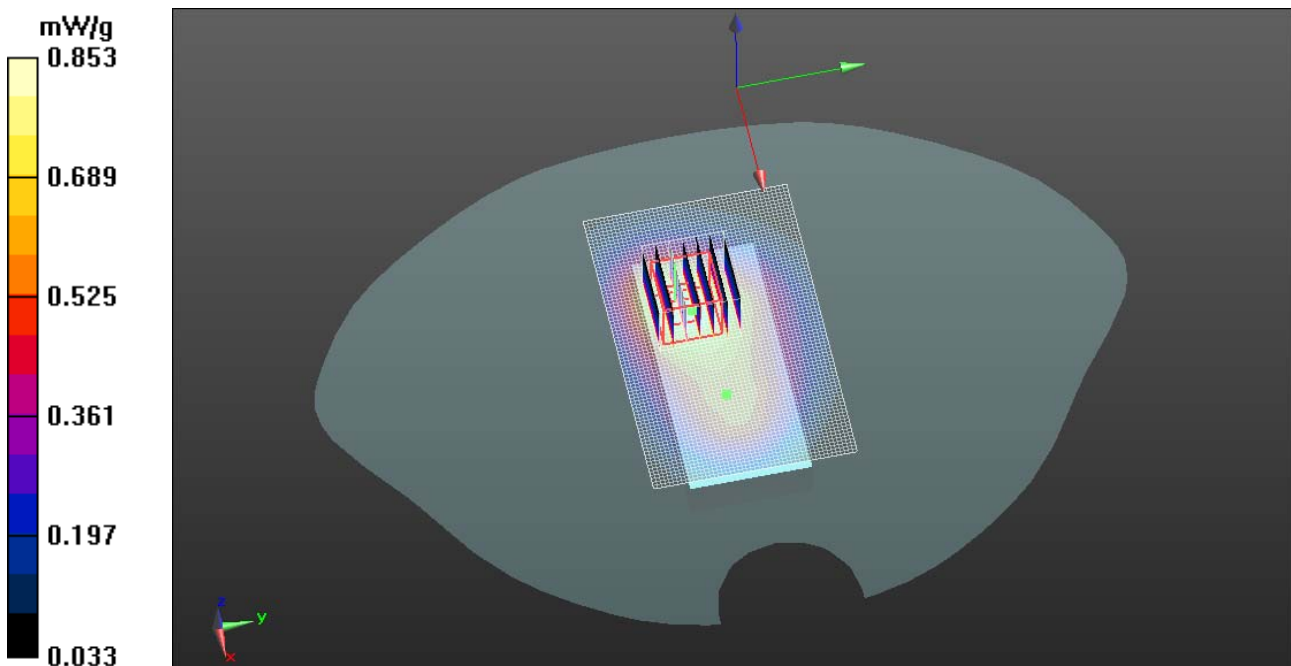
Measurement grid: dx=5mm, dy=5mm, dz=5mm

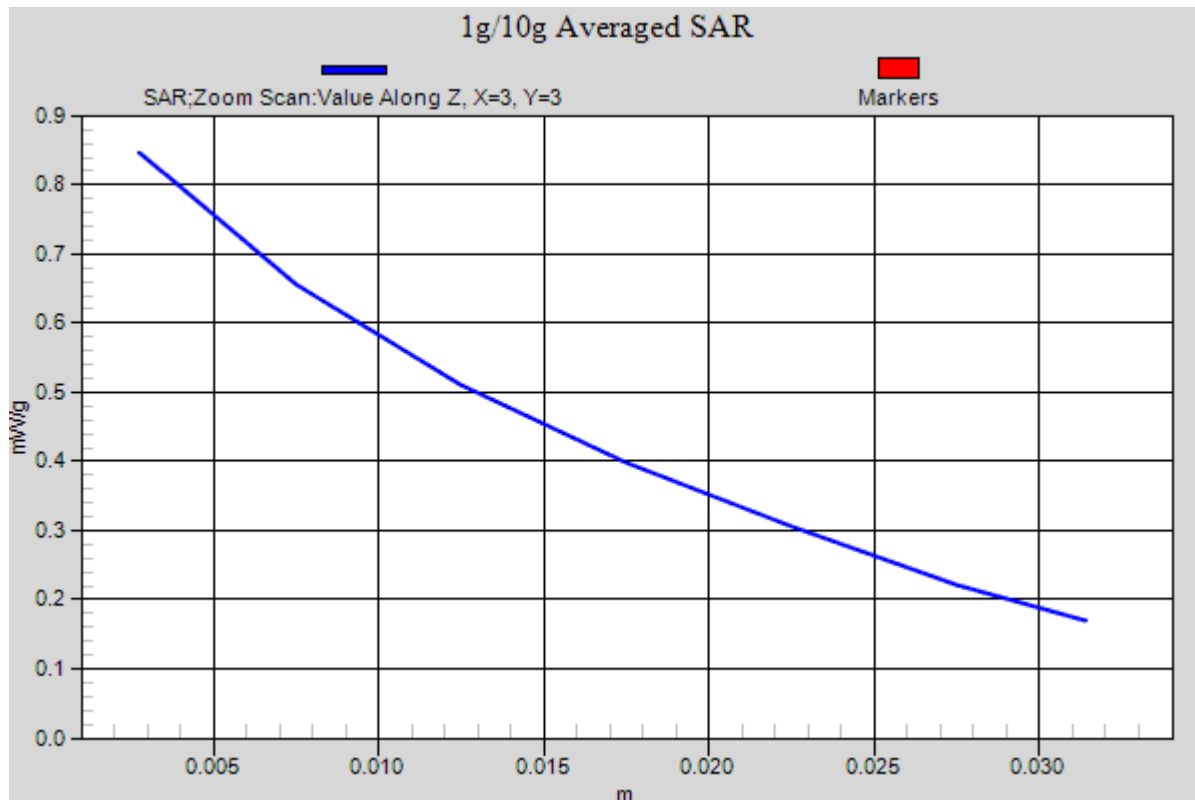
Reference Value = 22.617 V/m; Power Drift = -0.013 dB

Peak SAR (extrapolated) = 1.090 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.423 mW/g

Maximum value of SAR (measured) = 0.853 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS1900-Body Down Middle CH661

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1880 MHz; Communication System PAR: 9.03 dB

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.534$ mho/m; $\epsilon_r = 52.14$; $\rho = 1000$ kg/m³

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

GSM1900/GSM1900 Body Down Middle CH661/Area Scan (41x91x1):

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

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

GSM1900/GSM1900 Body Down Middle CH661/Zoom Scan (7x7x7)/Cube 0:

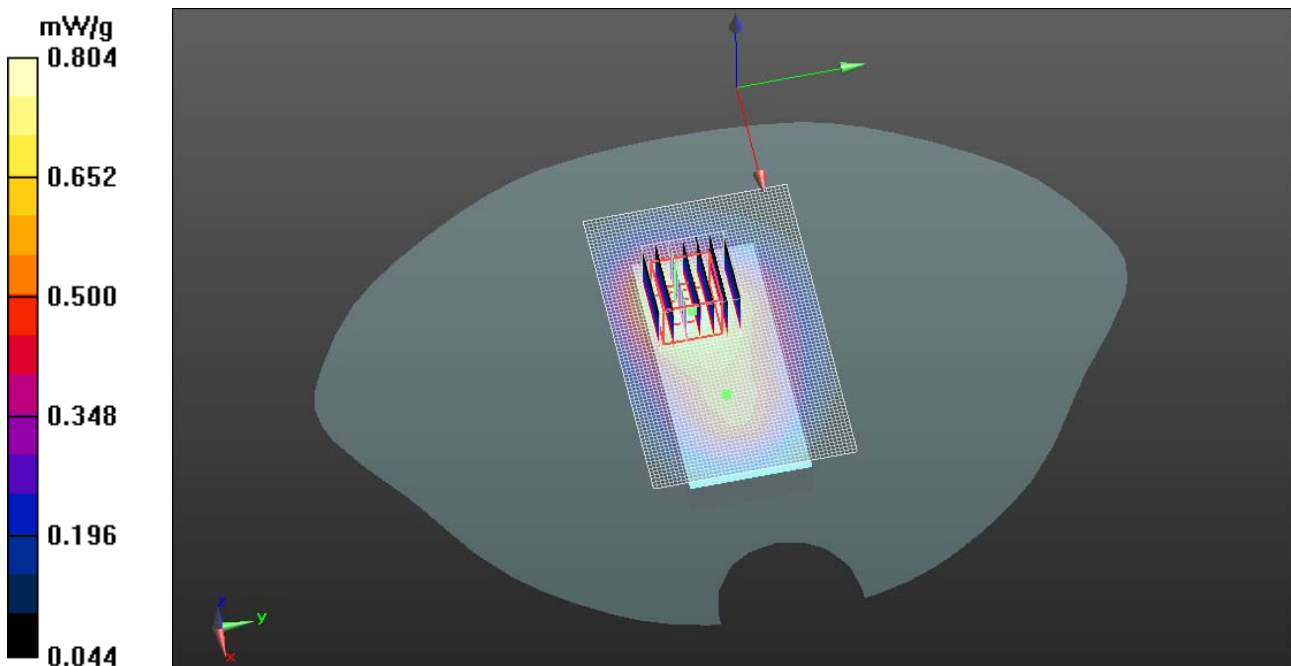
Measurement grid: dx=5mm, dy=5mm, dz=5mm

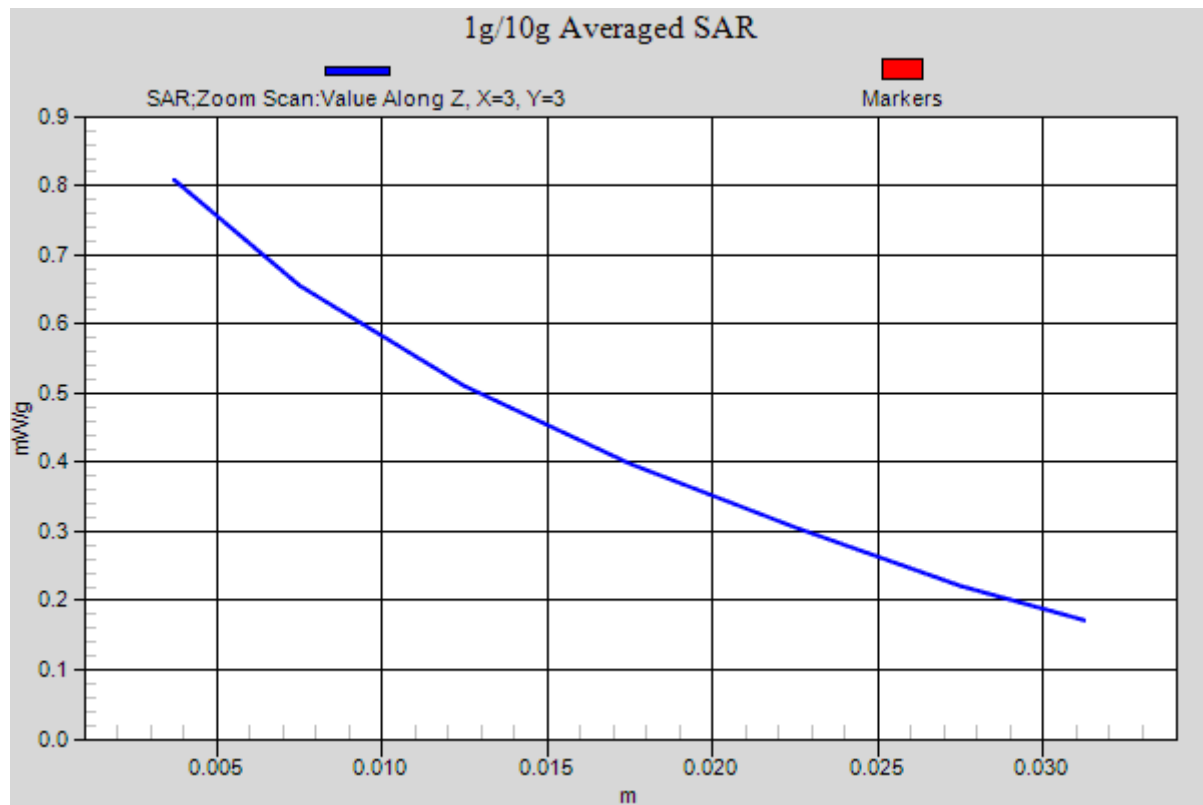
Reference Value = 22.907 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 1.020 W/kg

SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.419 mW/g

Maximum value of SAR (measured) = 0.804 mW/g







Test Laboratory: Compliance Certification Services Inc.

June 27, 2012

PCS1900-Body Down High CH810

DUT: Cellular Phone; Type: Hercules; Serial: 3567510404623

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.2 - 1909.8 MHz);

Frequency: 1909.8 MHz; Communication System PAR: 9.03 dB

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

Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$

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

GSM1900/GSM1900 Body Down High CH810/Area Scan (41x91x1):

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

Maximum value of SAR (measured) = 0.797 mW/g

GSM1900/GSM1900 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 = 22.482 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.107 W/kg

SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.365 mW/g

Maximum value of SAR (measured) = 0.830 mW/g

