



Compliance Certification Services Inc.

GSM 850-Right Head Cheek Middle CH190	2
GSM 850-Right Head Tilted Middle CH190.....	3
GSM 850-Left Head Cheek Middle CH190	4
GSM 850-Left Head Tilted Middle CH190	5
GSM 850-Body Up Middle CH190	6
GSM 850-Body Down Middle CH190	7
PCS-1900-Right Head Cheek Middle CH661	8
PCS-1900-Right Head Tilted Middle CH661	9
PCS 1900-Left Head Cheek Middle CH661	10
PCS 1900-Left Head Tilted Middle CH661.....	11
PCS1900-Body Up Middle CH661	12
PCS1900-Body Down Middle CH661	13



Test Laboratory: Compliance Certification Services Inc.

February 15, 2012

GSM 850-Right Head Cheek Middle CH190

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850

(824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

GSM850/Right Head Cheek Middle CH190/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.266 mW/g

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

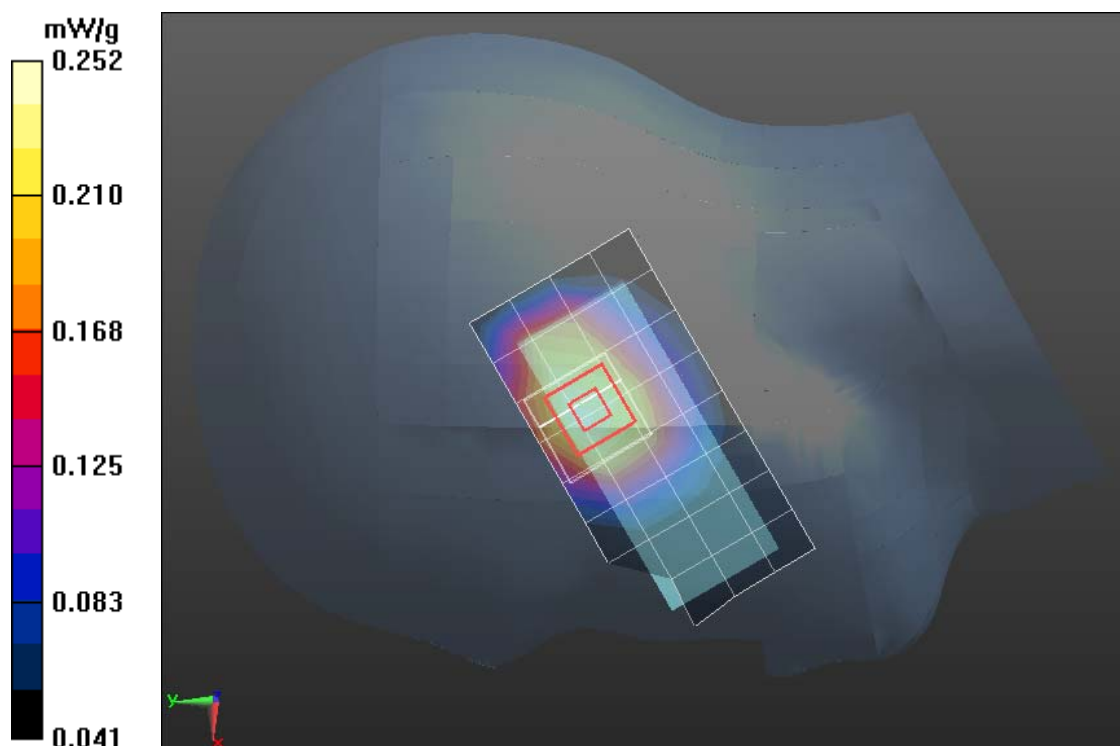
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.995 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.252 mW/g





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February 15, 2012

GSM 850-Right Head Tilted Middle CH190

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850

(824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

Phantom section: Right Section

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

DASY5 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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

GSM850/Right Head Tilted Middle CH190/Area Scan (6x10x1):

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

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

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

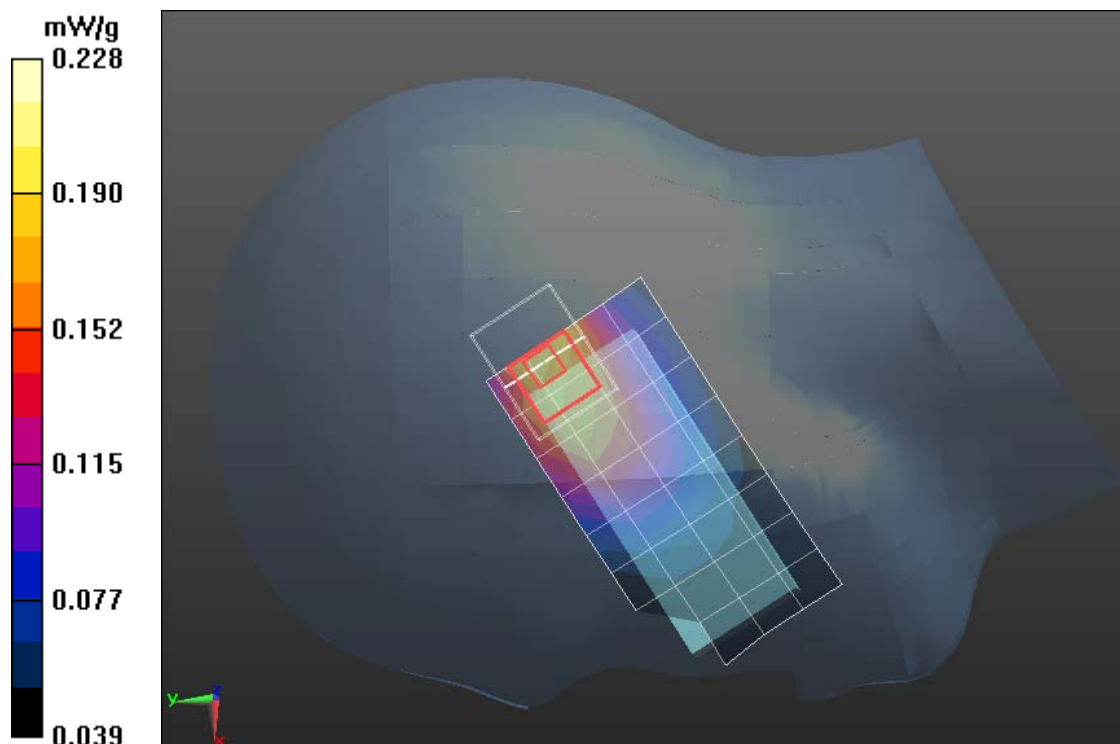
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.260 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.275 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.164 mW/g

Maximum value of SAR (measured) = 0.228 mW/g





Test Laboratory: Compliance Certification Services Inc.

February 15, 2012

GSM 850-Left Head Cheek Middle CH190

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850

(824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

GSM850/Left Head Cheek Middle CH190/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.179 mW/g

GSM850/Left Head Cheek Middle CH190/Zoom Scan (7x7x9)/Cube 0:

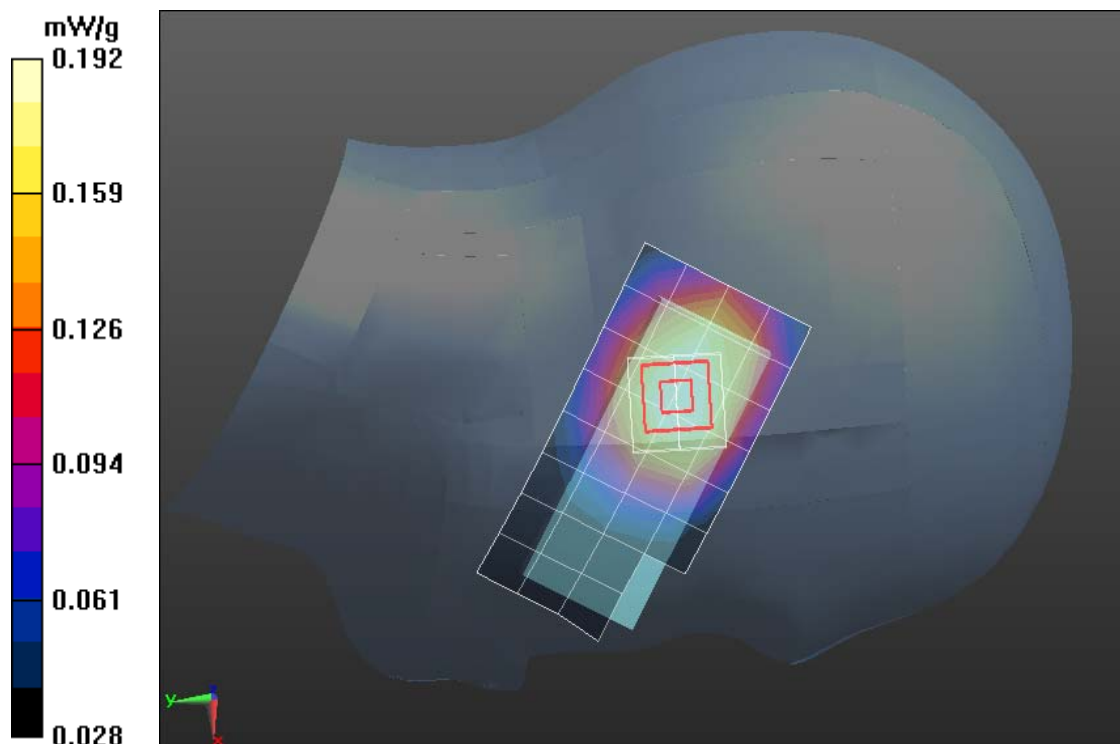
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.415 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.220 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.192 mW/g





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February 15, 2012

GSM 850-Left Head Tilted Middle CH190

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850

(824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.89$ mho/m; $\epsilon_r = 41.478$; $\rho = 1000$ kg/m³

Phantom section: Left Section

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

DASY5 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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

GSM850/Left Head Tilted Middle CH190/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.139 mW/g

GSM850/Left Head Tilted Middle CH190/Zoom Scan (7x7x9)/Cube 0:

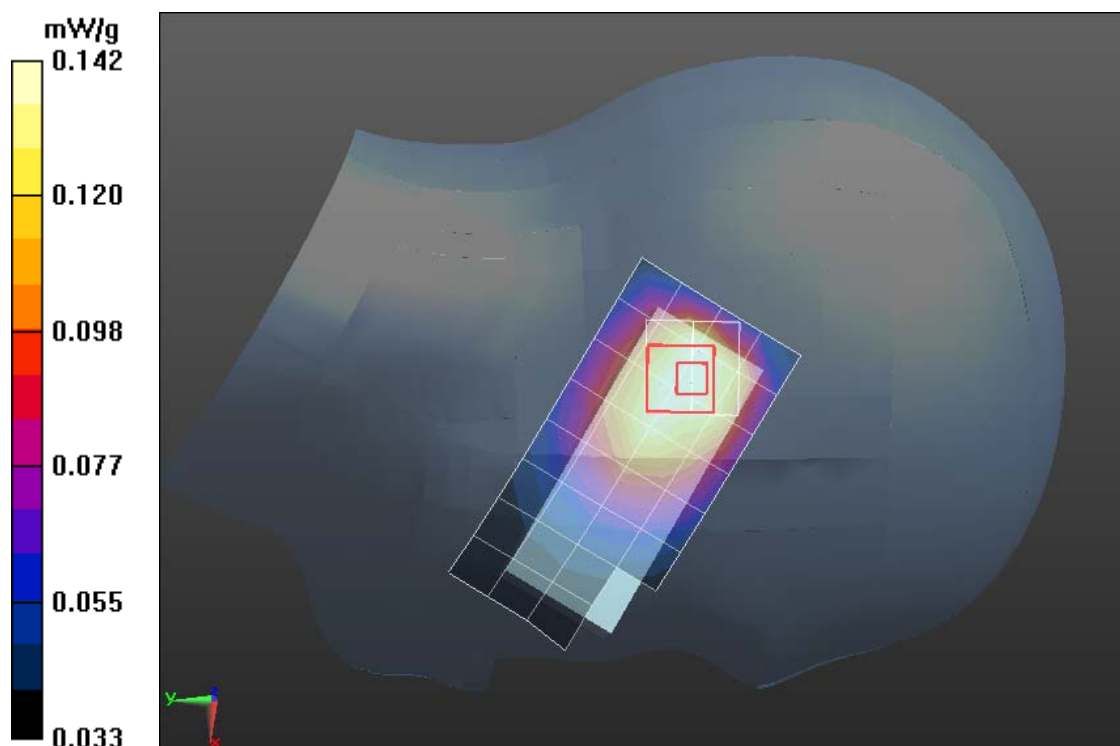
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.193 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.162 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.142 mW/g





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GSM 850-Body Up Middle CH190

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850

(824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated): $f = 836.6\text{MHz}$; $\sigma = 0.95\text{ mho/m}$; $\epsilon_r = 55.959$; $\rho = 1000\text{ kg/m}^3$

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

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

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

Maximum value of SAR (measured) = 0.311 mW/g

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

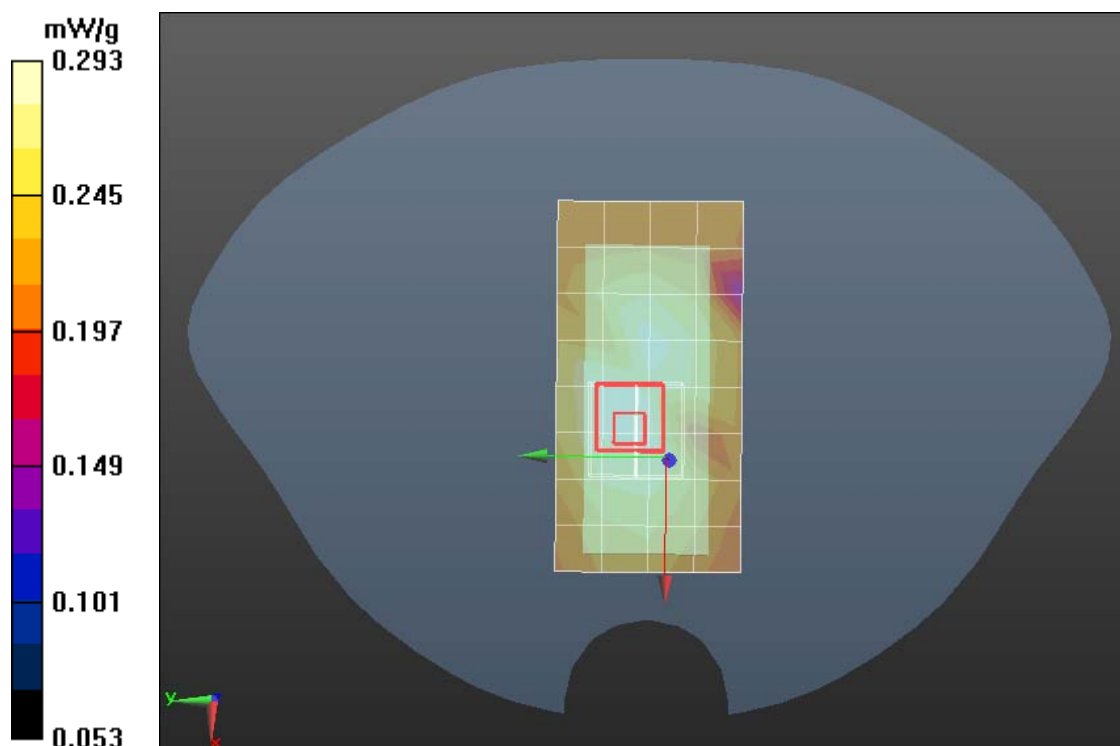
Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.341 V/m ; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.219 mW/g ; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.293 mW/g





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February 15, 2012

GSM 850-Body Down Middle CH190

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: GSM 850

(824.0 - 849.0 MHz); Frequency: 836.6 MHz; Communication System PAR: 9.03 dB

Medium parameters used (interpolated): $f = 836.6$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 55.959$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3755; ConvF(9.07, 9.07, 9.07); Calibrated: 1/20/2012
- Sensor-Surface: 2.5mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1245; Calibrated: 1/11/2012
- Phantom: Twin SAM Phantom; Type: QD 000 P40 CD; Serial: 1609
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

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

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

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

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

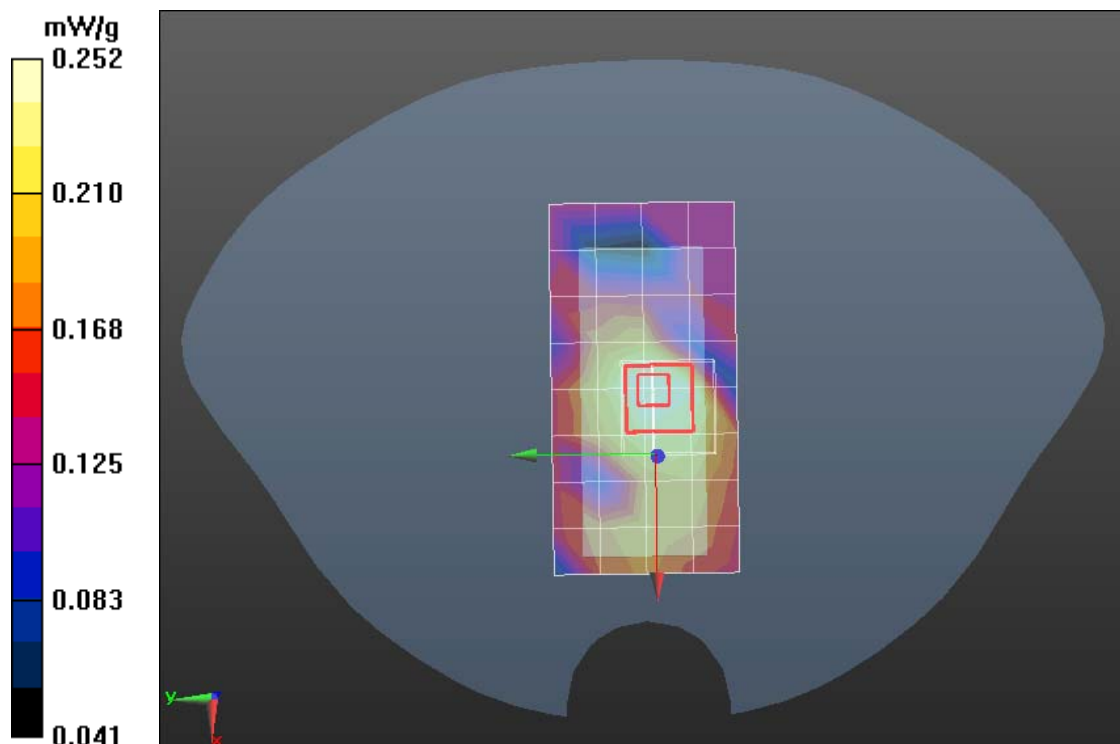
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 24.025 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.647 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.184 mW/g

Maximum value of SAR (measured) = 0.252 mW/g





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February 15, 2012

PCS-1900-Right Head Cheek Middle CH661

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900

(1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.03 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.74$; $\rho = 1000$ kg/m³

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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

PCS1900/Right Head Cheek Middle CH661/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.311 mW/g

PCS1900/Right Head Cheek Middle CH661/Zoom Scan (7x7x9)/Cube 0:

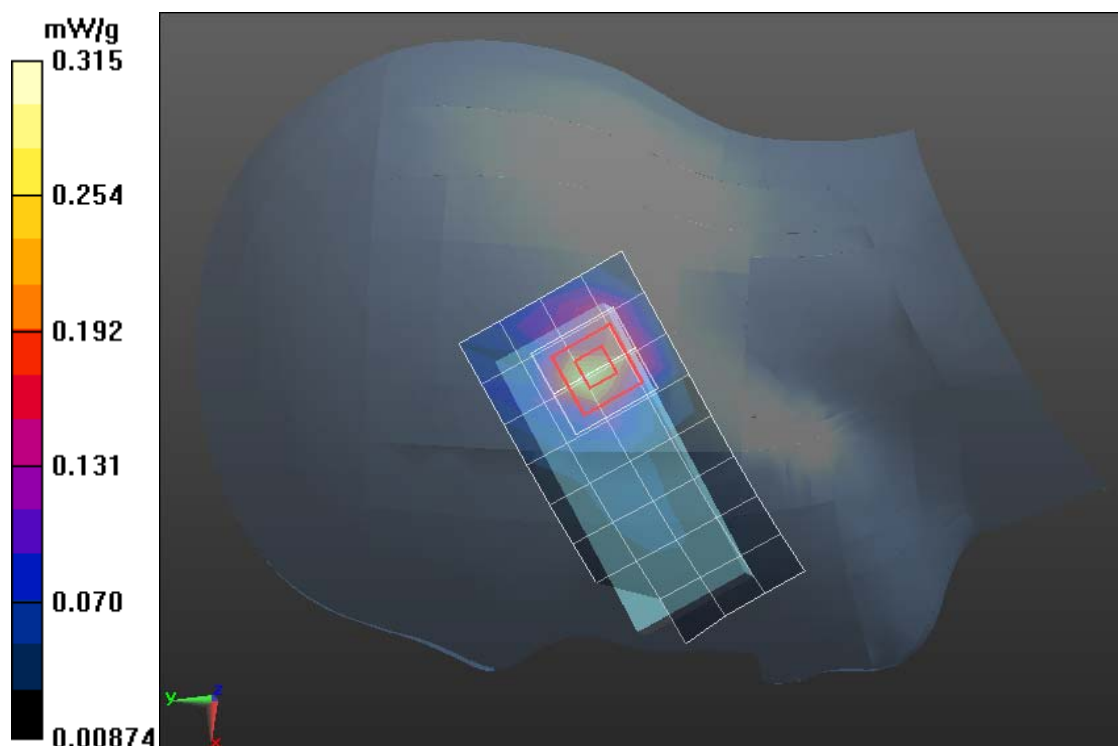
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.728 V/m; Power Drift = 0.0066 dB

Peak SAR (extrapolated) = 0.395 W/kg

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.315 mW/g





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February 15, 2012

PCS-1900-Right Head Tilted Middle CH661

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

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

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39.74$; $\rho = 1000$ kg/m³

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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

PCS1900/Right Head Tilted Middle CH661/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.244 mW/g

PCS1900/Right Head Tilted Middle CH661/Zoom Scan (7x7x9)/Cube 0:

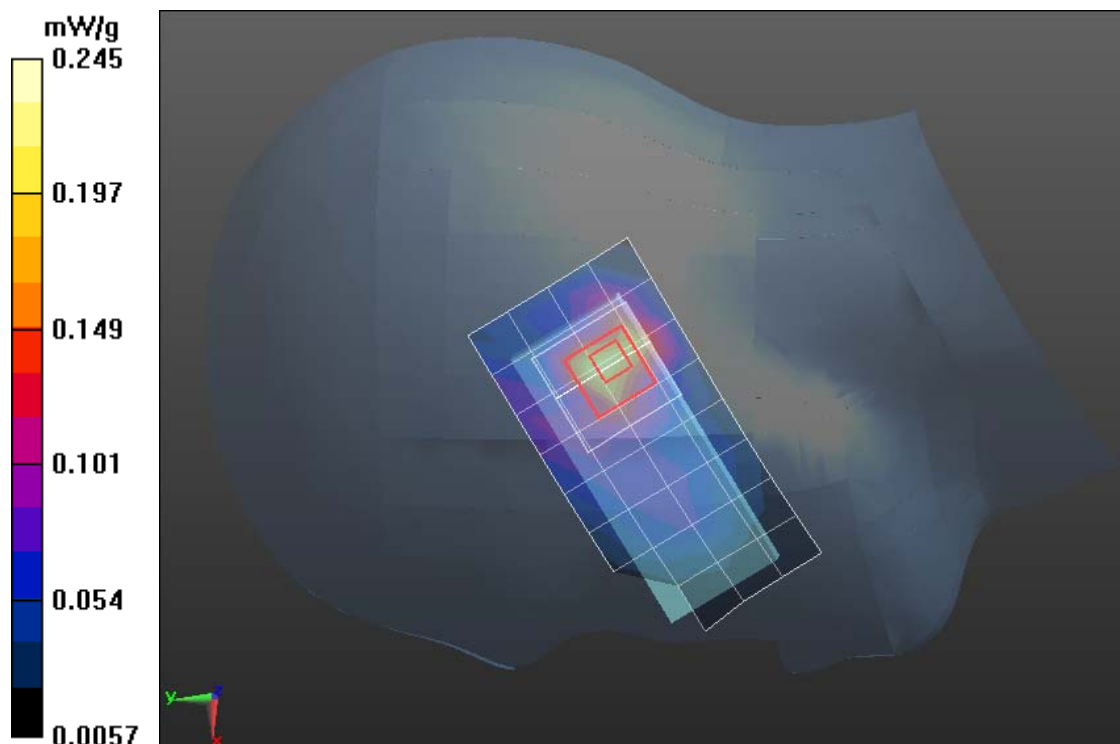
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.243 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.750 W/kg

SAR(1 g) = 0.191mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.245 mW/g





Test Laboratory: Compliance Certification Services Inc.

February 15, 2012

PCS 1900-Left Head Cheek Middle CH661

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.03 dB
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.443$ mho/m; $\epsilon_r = 39.74$; $\rho = 1000$ kg/m³
Phantom section: Left 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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

PCS1900/Left Head Cheek Middle CH661/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.515 mW/g

PCS1900/Left Head Cheek Middle CH661/Zoom Scan (8x8x9)/Cube 0:

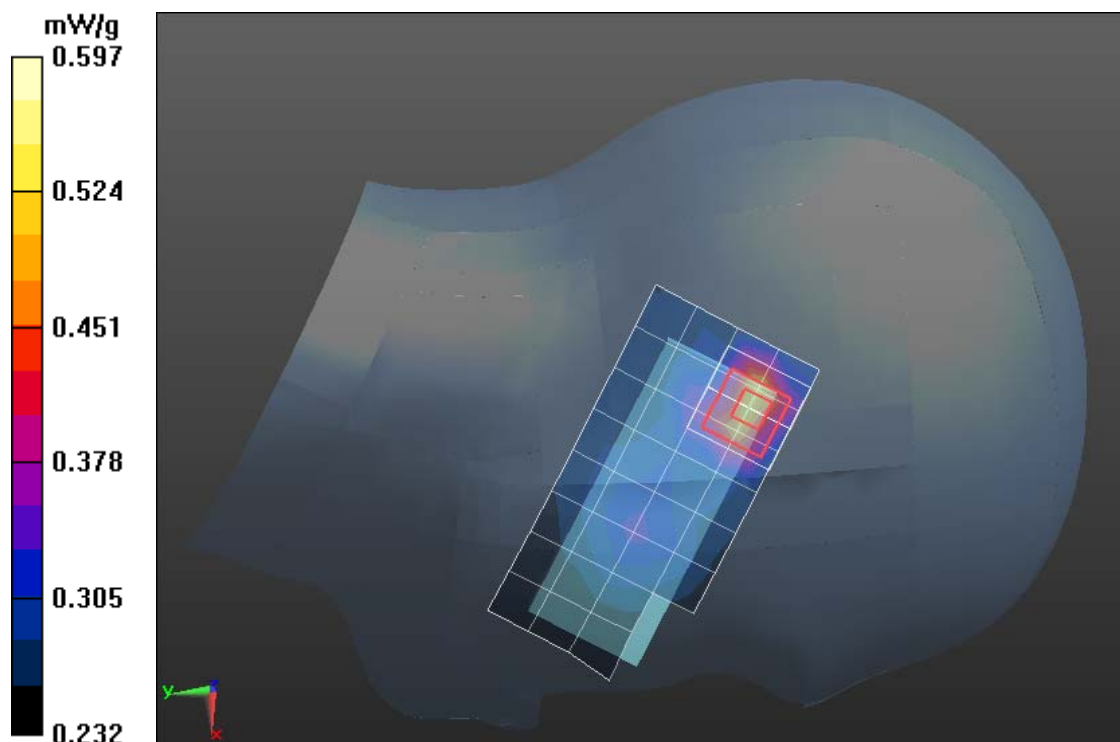
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.167 V/m; Power Drift = 0.02dB

Peak SAR (extrapolated) = 0.916 W/kg

SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.258 mW/g

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





Test Laboratory: Compliance Certification Services Inc.

February 15, 2012

PCS 1900-Left Head Tilted Middle CH661

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900

(1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.03 dB

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.44$ mho/m; $\epsilon_r = 39.74$; $\rho = 1000$ kg/m³

Phantom section: Left 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
- Measurement SW: DASY52, Version 52.6 (1); SEMCAD X Version 14.4.2 (2595)

PCS1900/Left Head Tilted Middle CH661/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.311 mW/g

PCS1900/Left Head Tilted Middle CH661/Zoom Scan (7x7x9)/Cube 0:

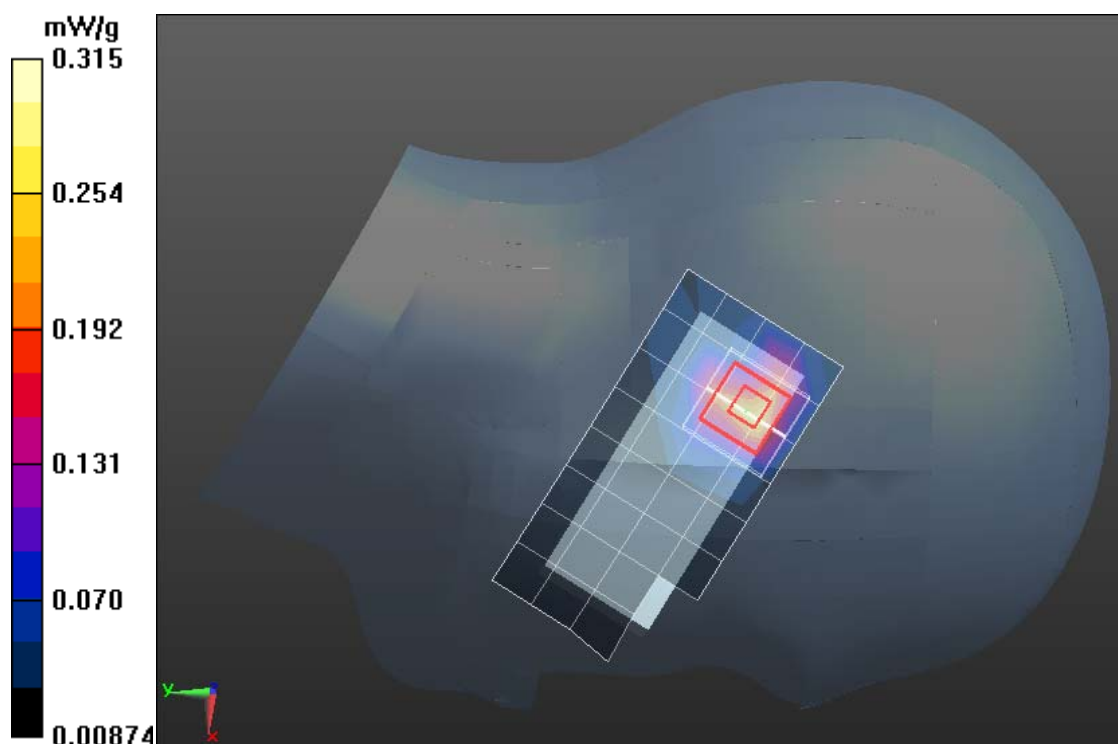
Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.385 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.337 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.315 mW/g





Test Laboratory: Compliance Certification Services Inc.

February 15, 2012

PCS1900-Body Up Middle CH661

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.03 dB
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.24$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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

DASY5 Configuration:

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

GSM1900/GSM1900 Body Up Middle CH661/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.246 mW/g

GSM1900/GSM1900 Body Up Middle CH661/Zoom Scan (7x7x9)/Cube

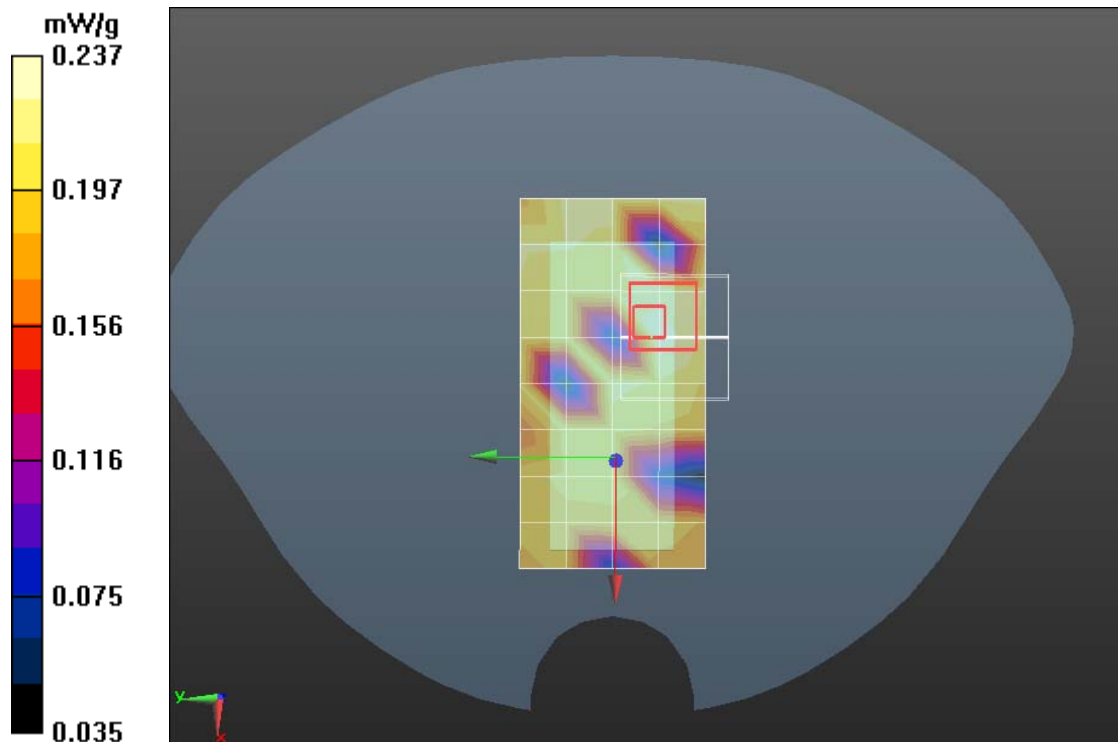
0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Reference Value = 10.347 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.714 W/kg

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.168 mW/g

Maximum value of SAR (measured) = 0.237 mW/g





Test Laboratory: Compliance Certification Services Inc.

February 15, 2012

PCS1900-Body Down Middle CH661

DUT: Mobile Phone; Type: CR108; Serial: 358688000000158

Communication System: Generic GSM; Communication System Band: PCS 1900 (1850.0 - 1910.0 MHz); Frequency: 1880 MHz; Communication System PAR: 9.03 dB
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 51.24$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

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

DASY5 Configuration:

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

GSM1900/GSM1900 Body Down Middle CH661/Area Scan (6x10x1):

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

Maximum value of SAR (measured) = 0.523 mW/g

GSM1900/GSM1900 Body Down Middle CH661/Zoom Scan

(7x8x9)/Cube 0:

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

Reference Value = 12.691 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.687 W/kg

SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.251 mW/g

Maximum value of SAR (measured) = 0.525 mW/g

