

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Right Head, Touch, Mid.ch, Standard Battery**

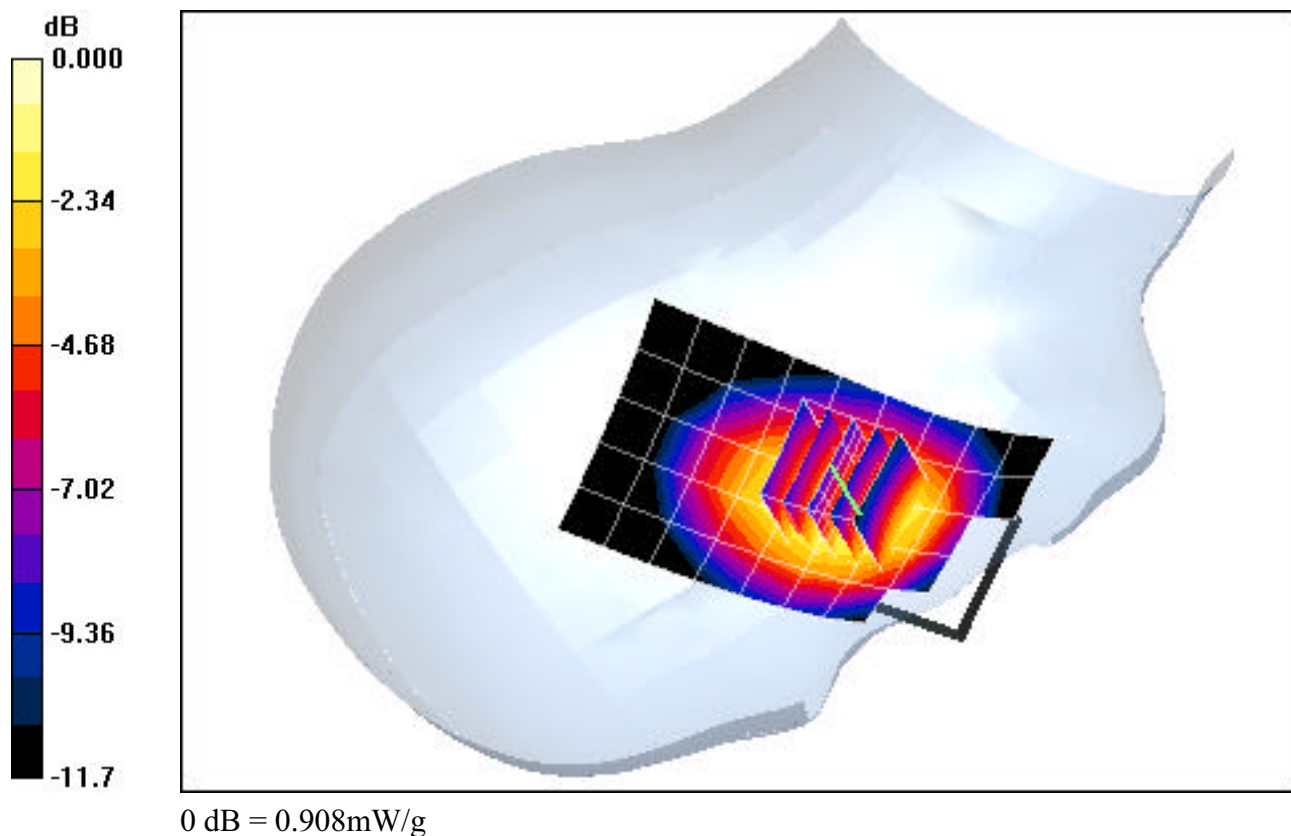
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.3 V/m

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.539 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Right Head, Tilt, Mid.ch, Standard Battery**

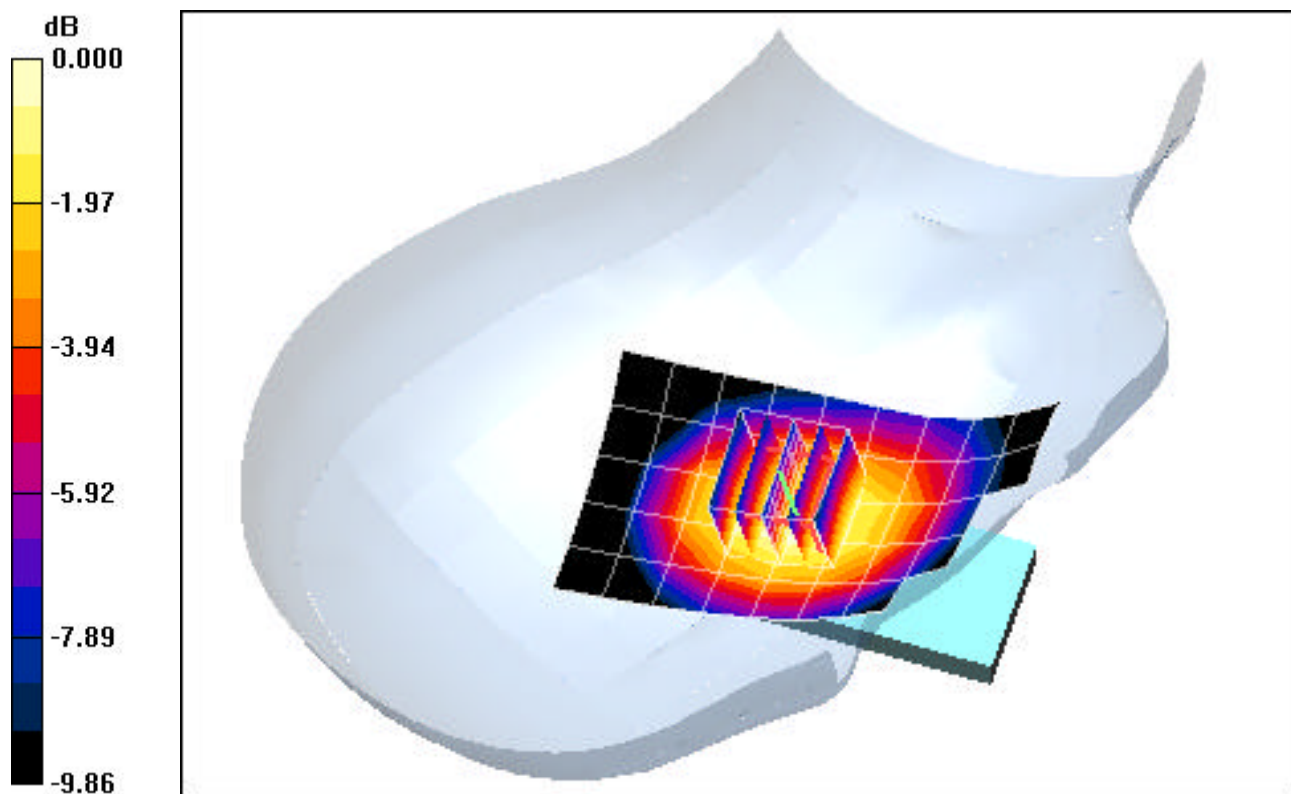
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.4 V/m

Peak SAR (extrapolated) = 0.557 W/kg

**SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.290 mW/g**



0 dB = 0.463mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 824.04 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Left Head, Touch, Low.ch, Standard Battery**

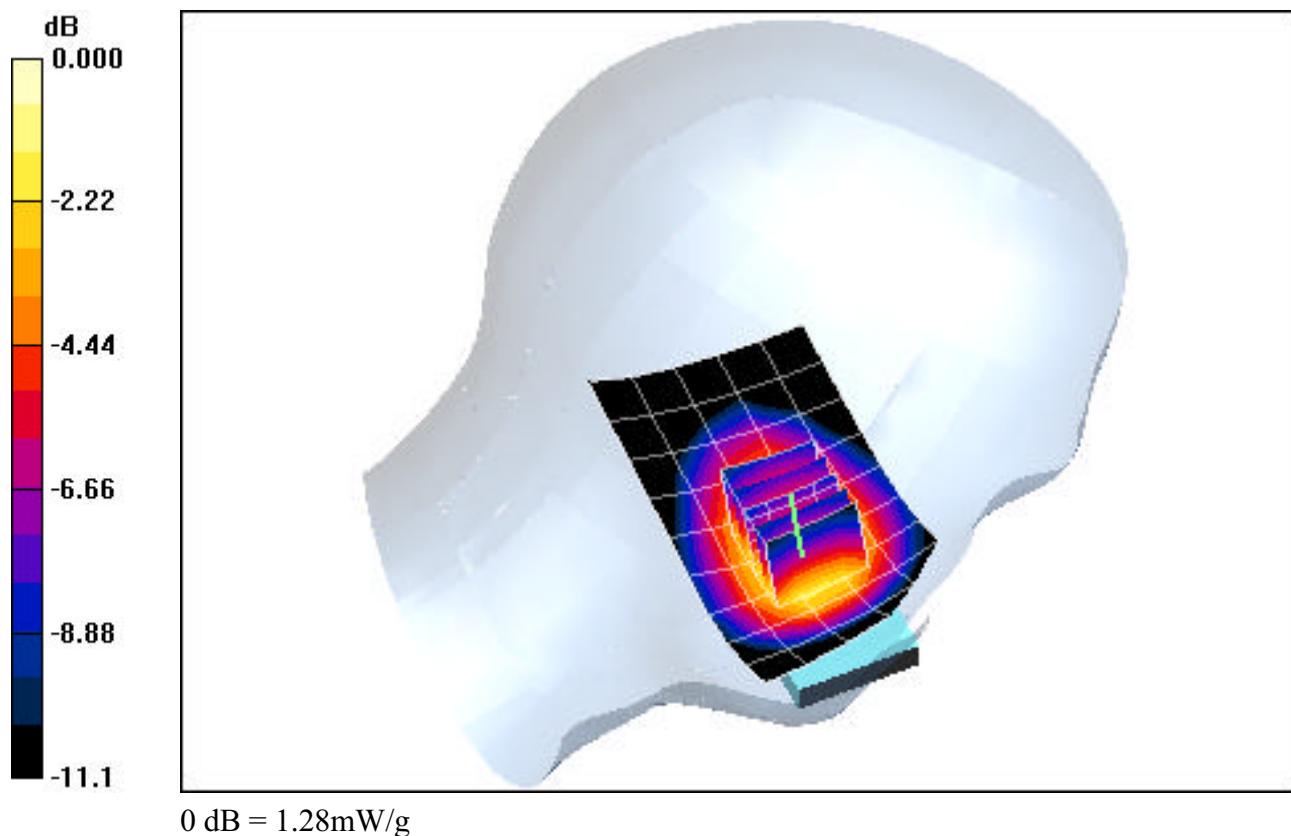
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.763 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Left Head, Tilt, Mid.ch, Standard Battery**

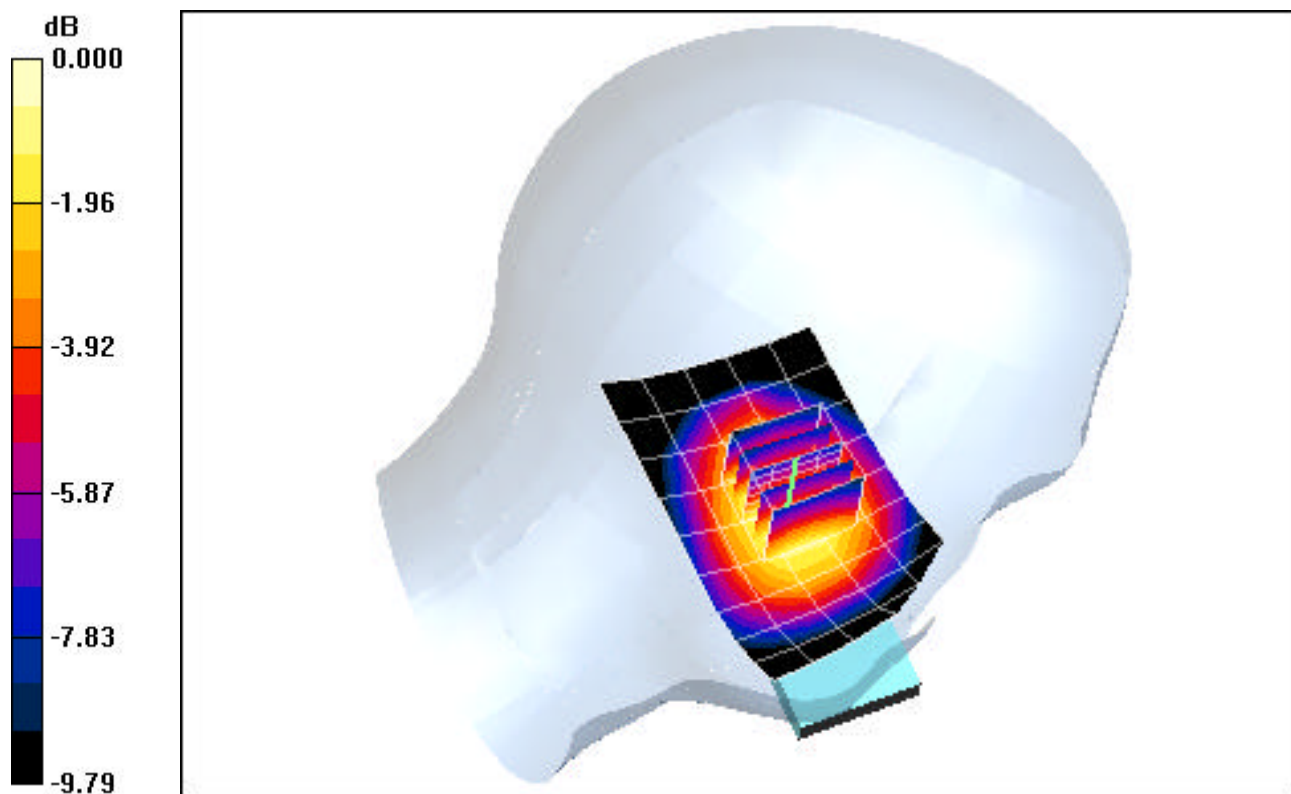
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.2 V/m

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.325 mW/g**



0 dB = 0.515mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Right Head, Touch, Low.ch, Standard Battery**

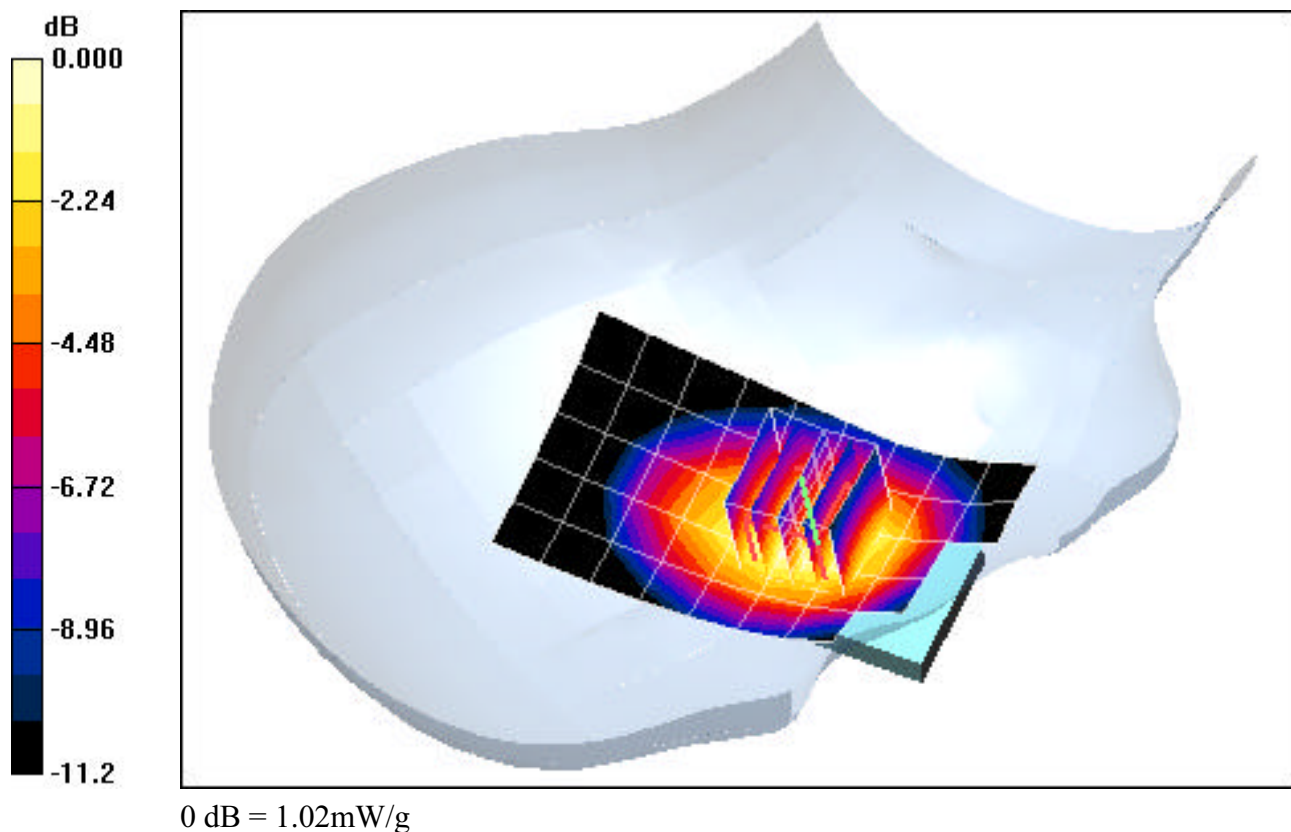
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.6 V/m

Peak SAR (extrapolated) = 1.23 W/kg

**SAR(1 g) = 0.889 mW/g; SAR(10 g) = 0.614 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Right Head, Tilt, Mid.ch, Standard Battery**

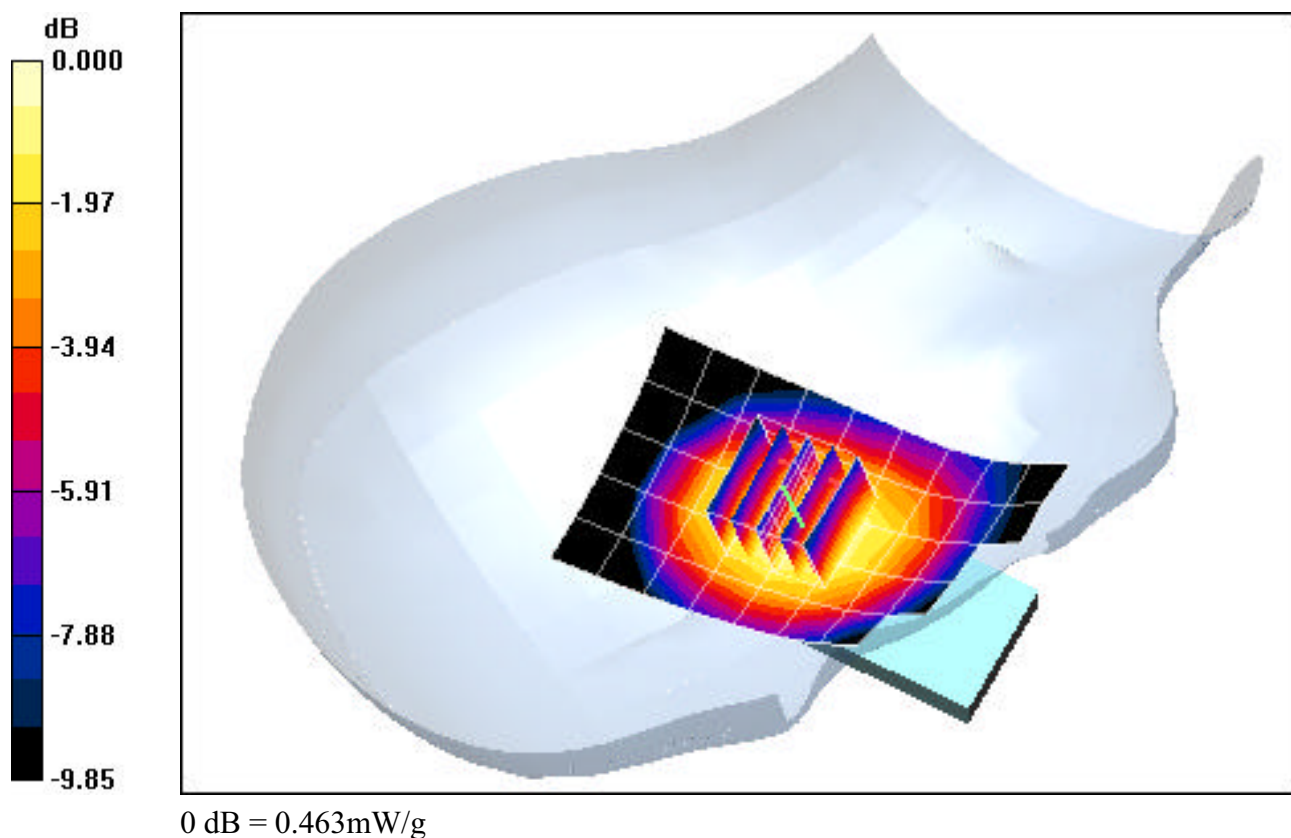
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.4 V/m

Peak SAR (extrapolated) = 0.558 W/kg

**SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.293 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Left Head, Touch, Low.ch, Standard Battery**

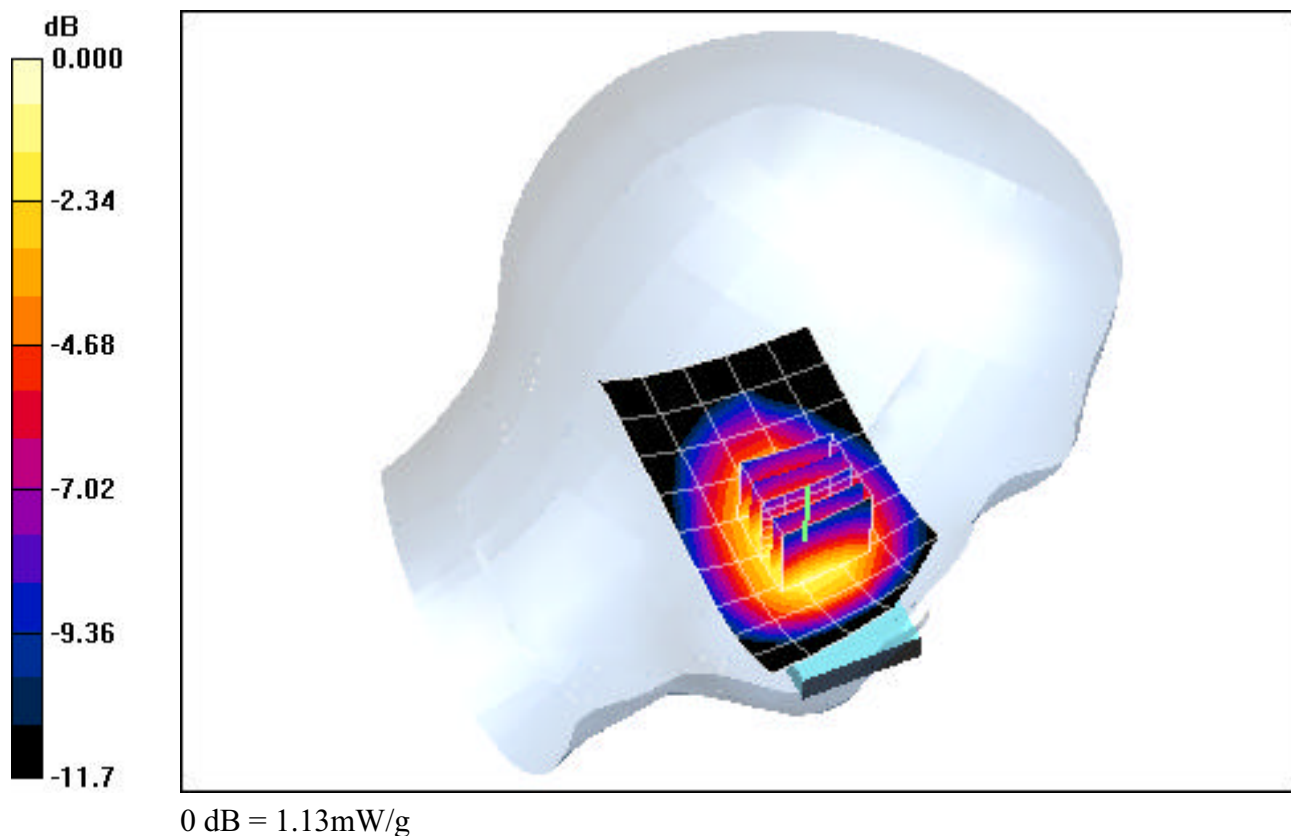
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.4 V/m

Peak SAR (extrapolated) = 1.36 W/kg

**SAR(1 g) = 0.994 mW/g; SAR(10 g) = 0.683 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Left Head, Tilt, Mid.ch, Standard Battery**

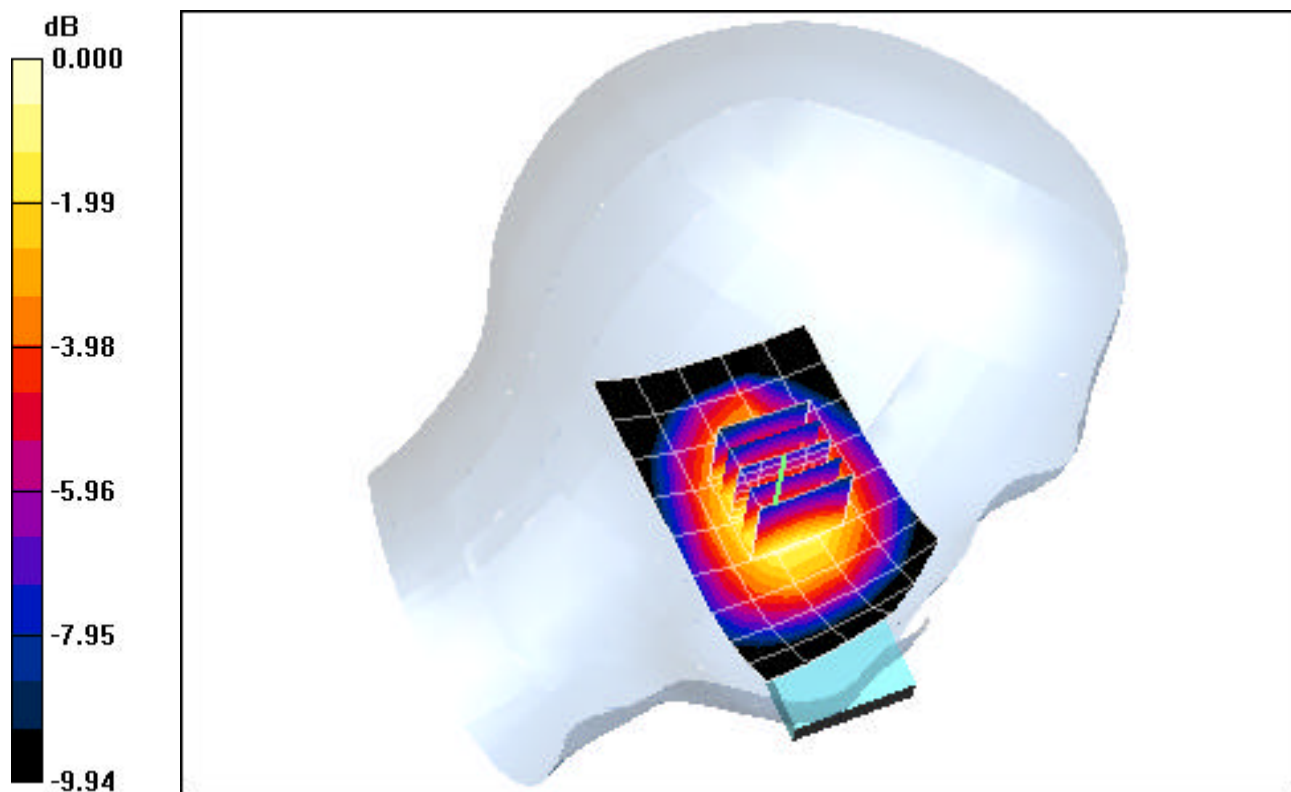
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.2 V/m

Peak SAR (extrapolated) = 0.701 W/kg

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.365 mW/g**



0 dB = 0.587mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ( $\sigma = 1.40$  mho/m,  $\epsilon_r = 39.18$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Right Head, Touch, Mid.ch, Standard Battery**

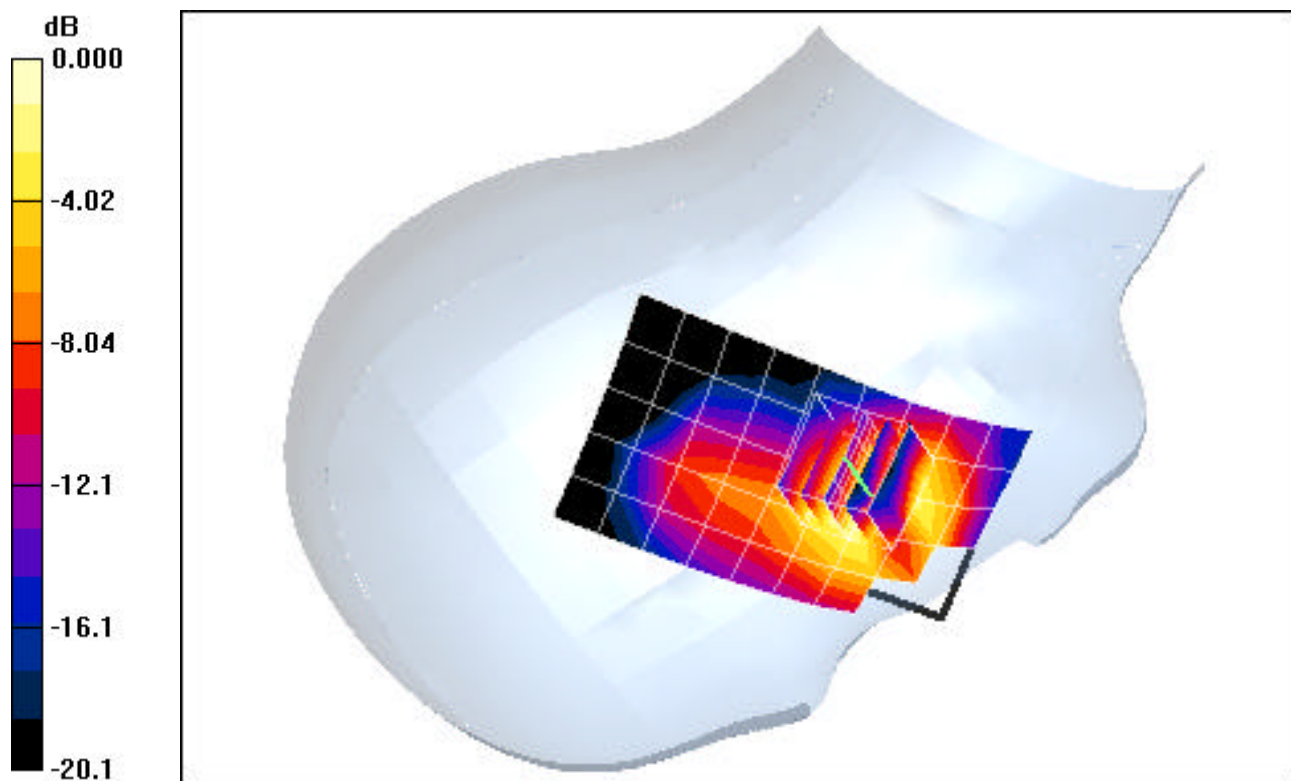
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.44 V/m

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.335 mW/g**



0 dB = 0.737 mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ( $\sigma = 1.40$  mho/m,  $\epsilon_r = 39.18$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Right Head, Tilt, Mid.ch, Standard Battery**

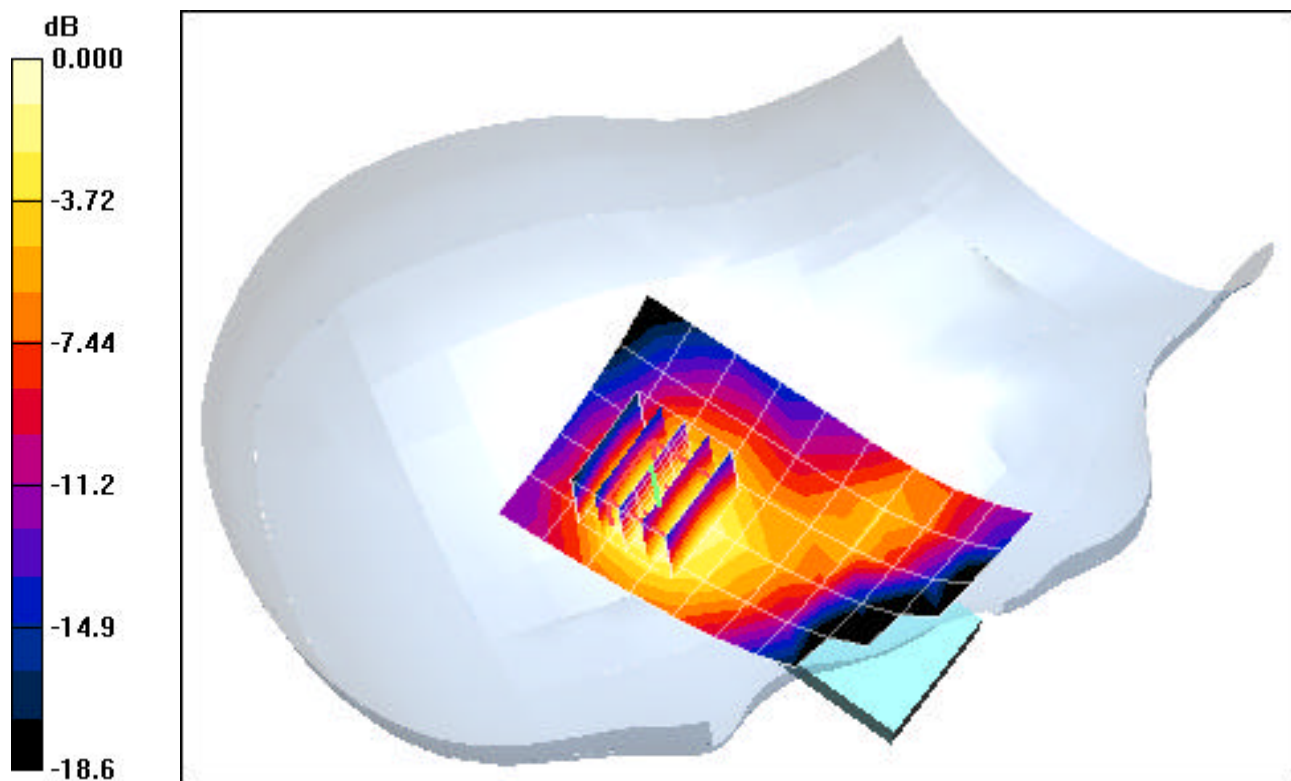
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.10 V/m

Peak SAR (extrapolated) = 0.224 W/kg

**SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.085 mW/g**



0 dB = 0.170mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ( $\sigma = 1.40$  mho/m,  $\epsilon_r = 39.18$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Left Head, Touch, Mid.ch, Standard Battery**

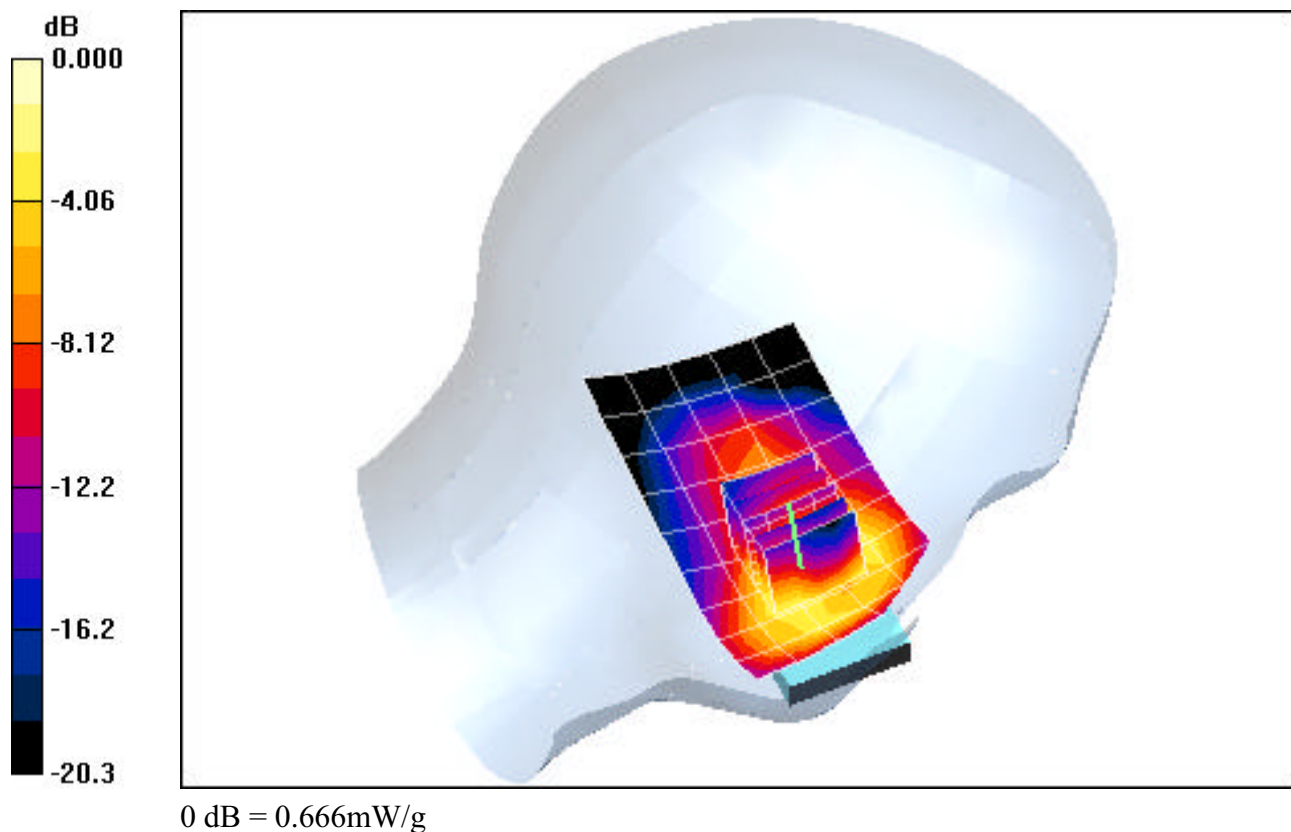
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.57 V/m

Peak SAR (extrapolated) = 0.903 W/kg

**SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.325 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ( $\sigma = 1.40$  mho/m,  $\epsilon_r = 39.18$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Left Head, Tilt Mid.ch, Standard Battery**

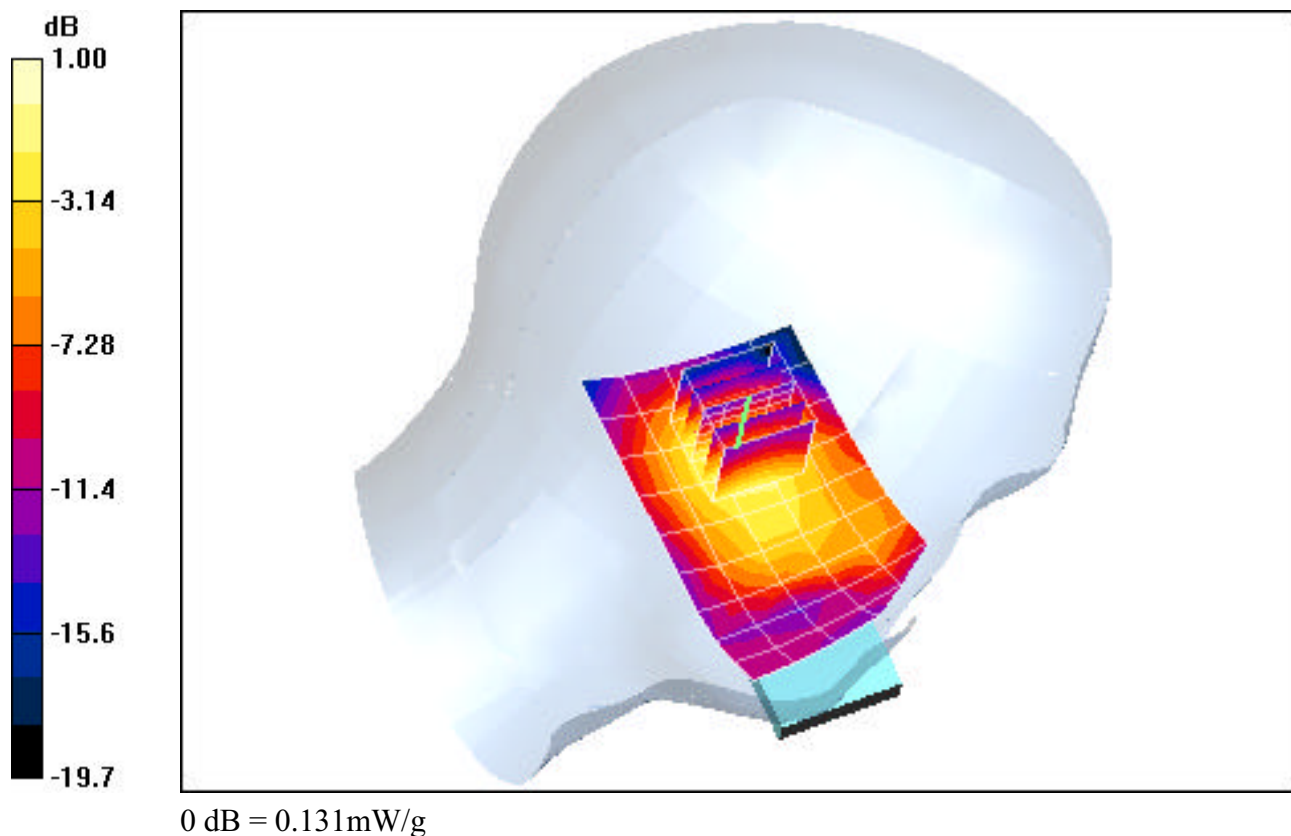
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.78 V/m

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.067 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ( $\sigma = 0.96$  mho/m,  $\epsilon_r = 54.39$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Body SAR, Mid.ch, Standard Battery, Backside**

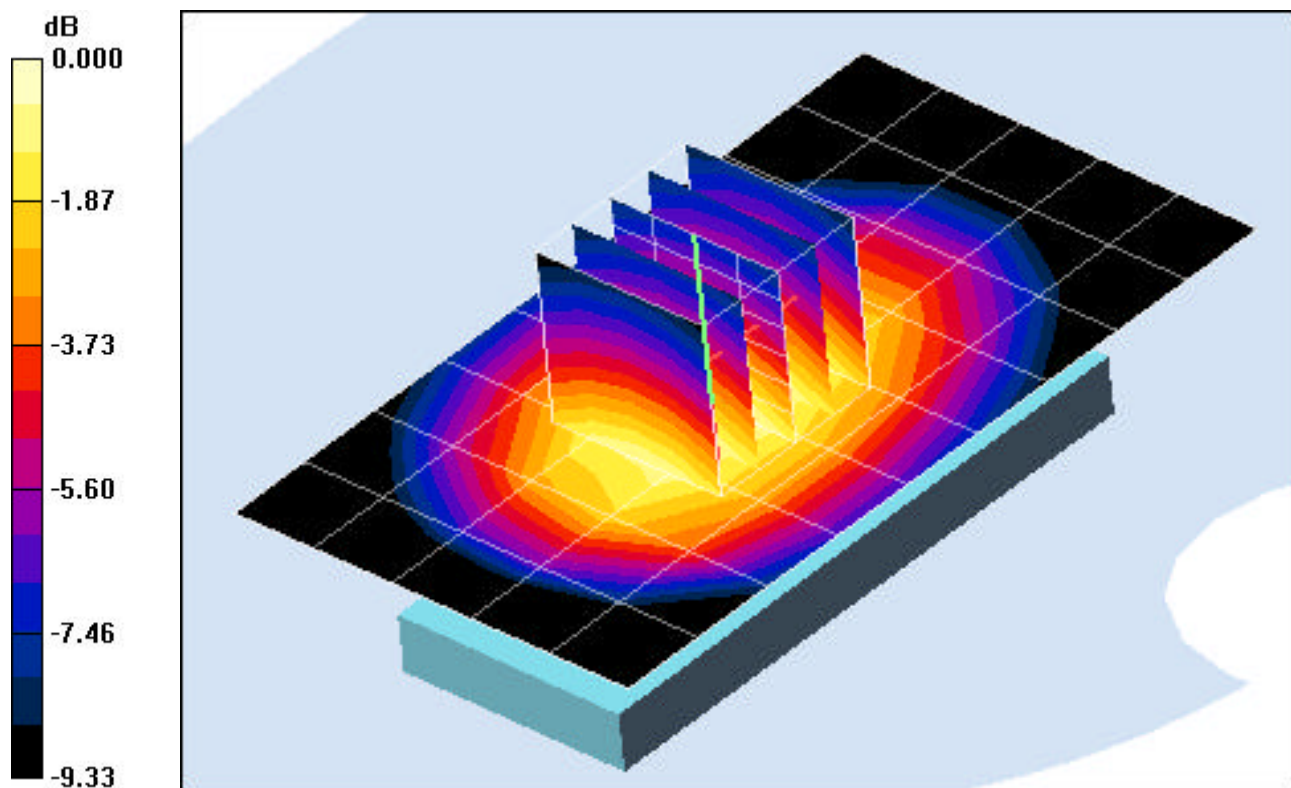
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.6 V/m

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.774 mW/g; SAR(10 g) = 0.557 mW/g**



0 dB = 0.869mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ( $\sigma = 0.96$  mho/m,  $\epsilon_r = 54.39$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Body SAR, Frontside, Mid.ch, Standard Battery**

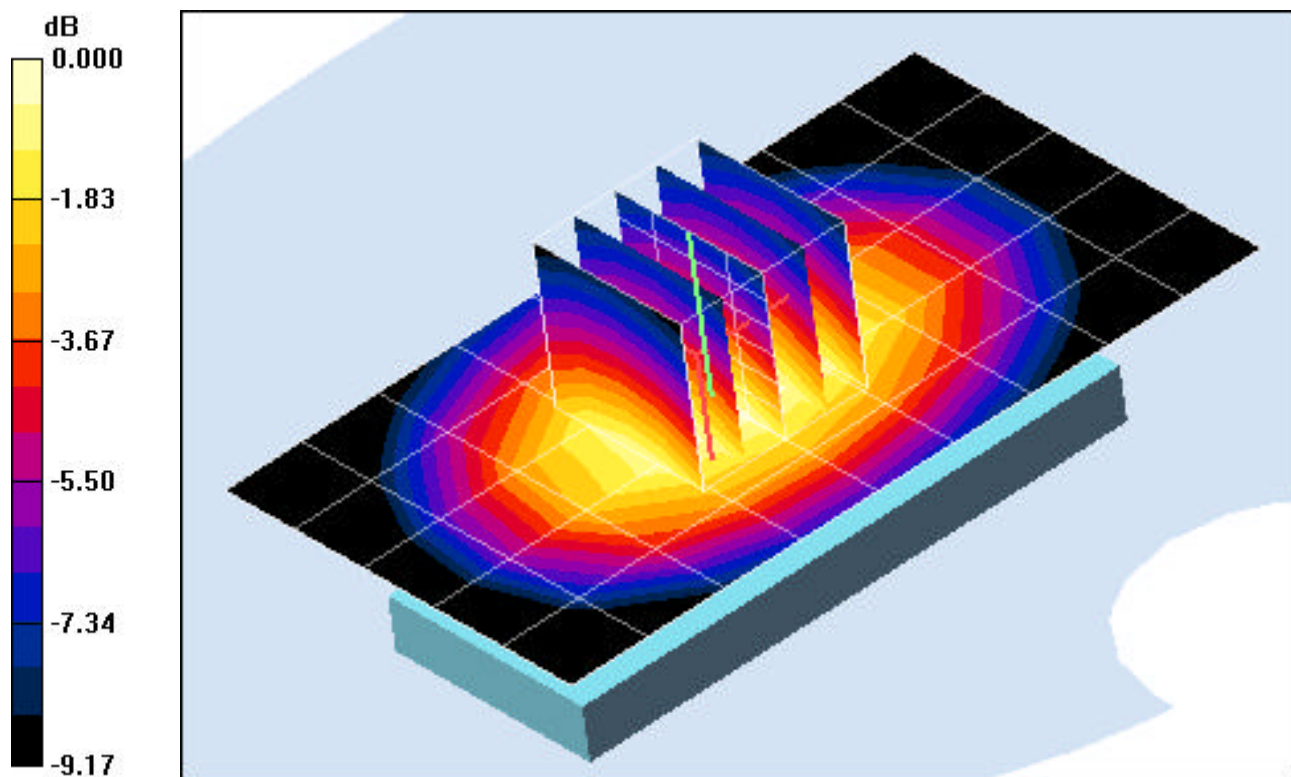
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.8 V/m

Peak SAR (extrapolated) = 0.663 W/kg

**SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.359 mW/g**



0 dB = 0.560mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ( $\sigma = 0.96$  mho/m,  $\epsilon_r = 54.39$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Body SAR, Backside, Low.ch, Standard Battery**

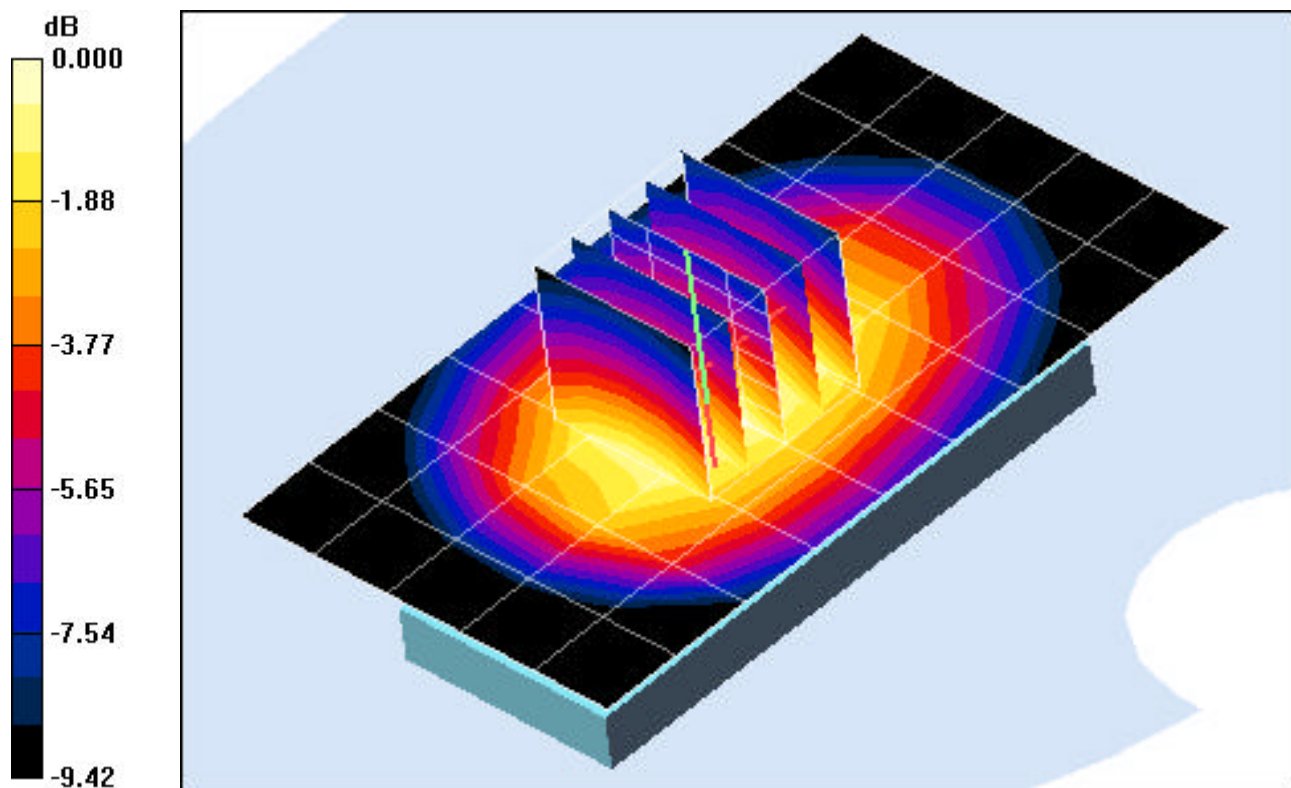
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.4 V/m

Peak SAR (extrapolated) = 1.34 W/kg

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.727 mW/g



0 dB = 1.13mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ( $\sigma = 0.96$  mho/m,  $\epsilon_r = 54.39$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Body SAR, Frontside, Mid.ch, Standard Battery**

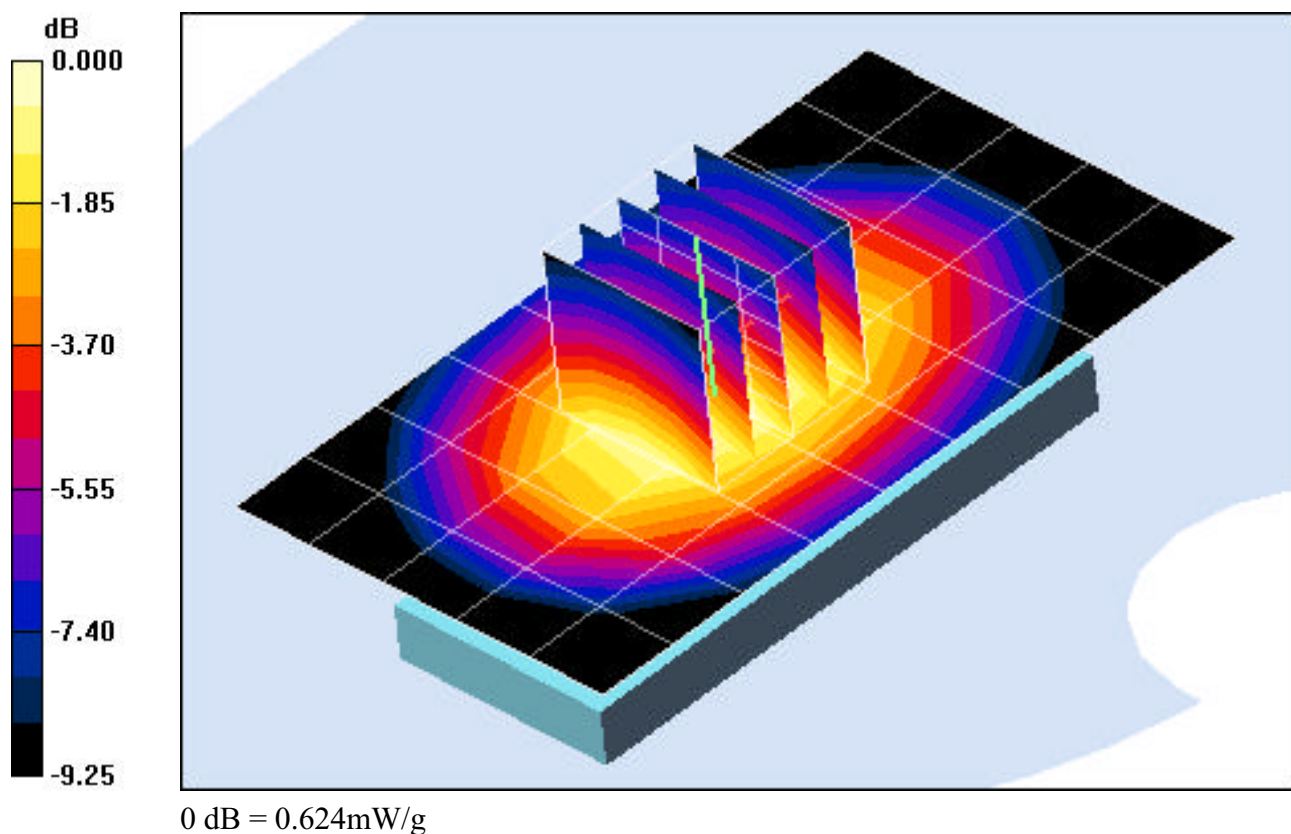
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.1 V/m

Peak SAR (extrapolated) = 0.738 W/kg

**SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.399 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Muscle ( $\sigma = 1.58$  mho/m,  $\epsilon_r = 55.80$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Sapce: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(6.79, 6.79, 6.79); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Body SAR, Backside, Mid.ch, Standard Battery**

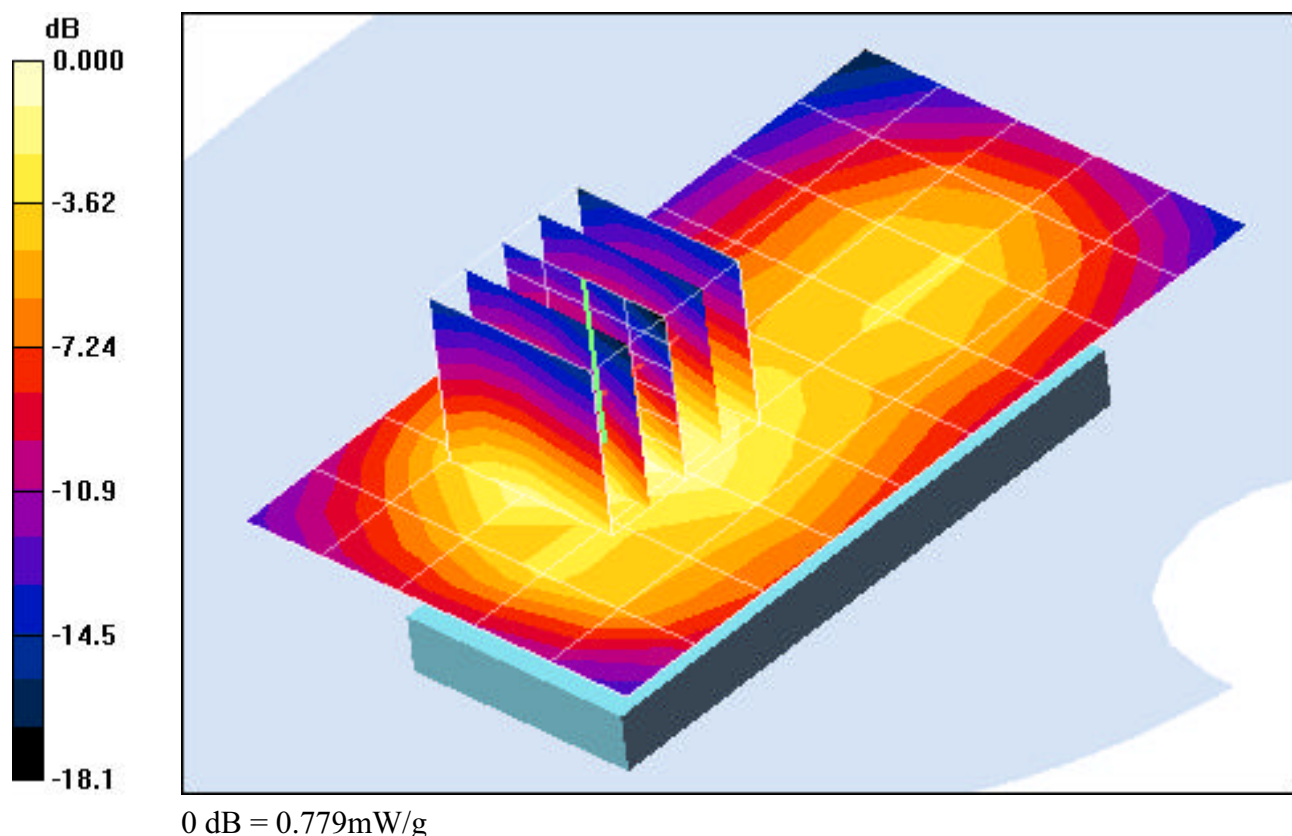
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.5 V/m

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.360 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Muscle ( $\sigma = 1.58$  mho/m,  $\epsilon_r = 55.80$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(6.79, 6.79, 6.79); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Body SAR, Frontside, Mid.ch, Standard Battery**

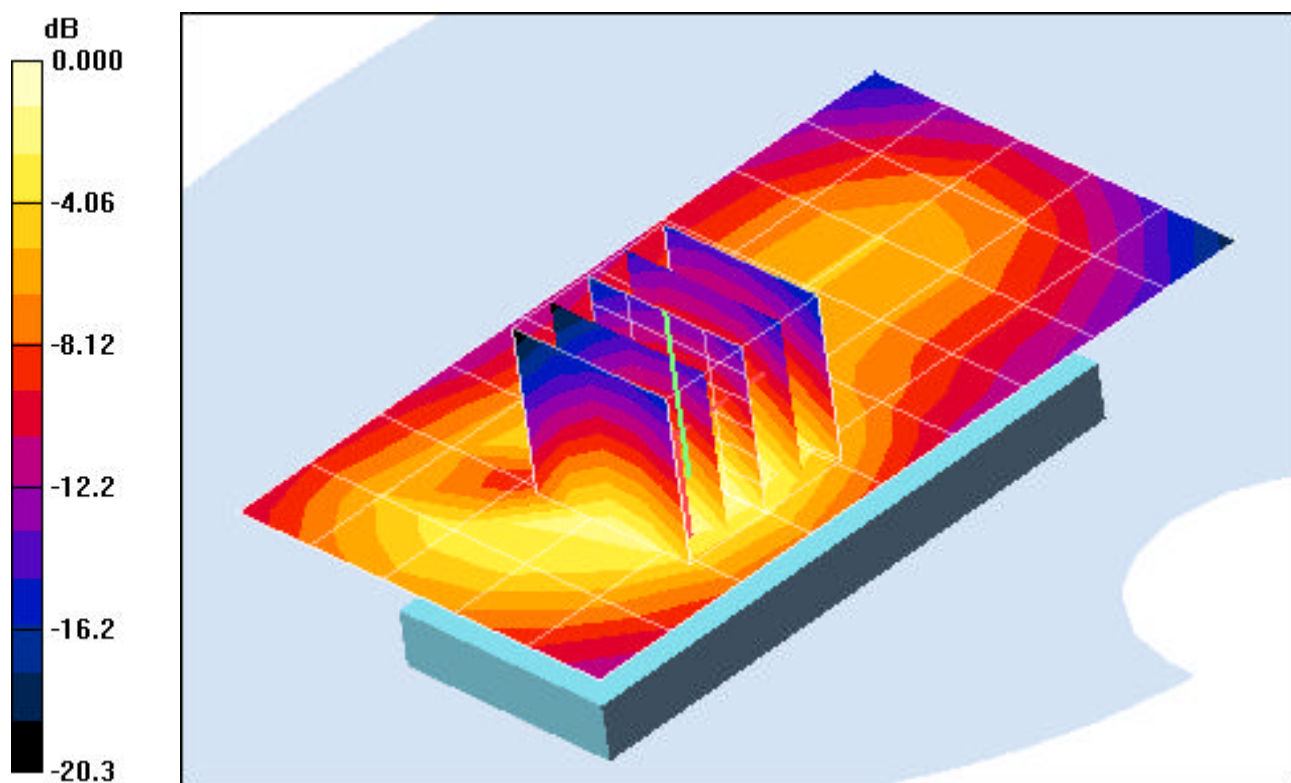
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.32 V/m dB

Peak SAR (extrapolated) = 0.696 W/kg

**SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.229 mW/g**



0 dB = 0.502mW/g

# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: AMPS; Frequency: 824.04 MHz; Duty Cycle: 1:1

Medium: 835 Brain ( $\sigma = 0.86$  mho/m,  $\epsilon_r = 40.43$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Left Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3589; ConvF(8.28, 8.28, 8.28); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: AMPS, Left Head, Touch, Low.ch, Standard Battery**

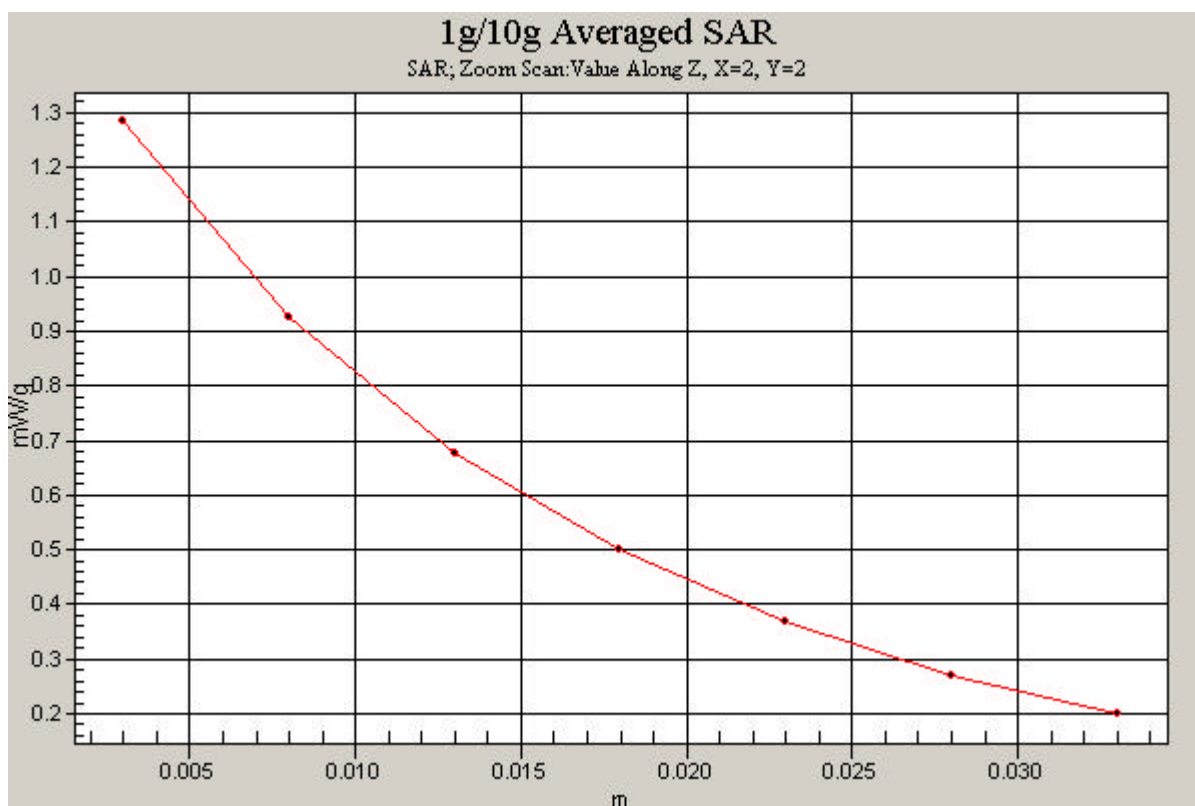
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m

Peak SAR (extrapolated) = 1.54 W/kg

**SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.763 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: Cellular CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ( $\sigma = 0.96$  mho/m,  $\epsilon_r = 54.39$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3589; ConvF(8.3, 8.3, 8.3); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: Cellular CDMA, Body SAR, Backside, Low.ch, Standard Battery**

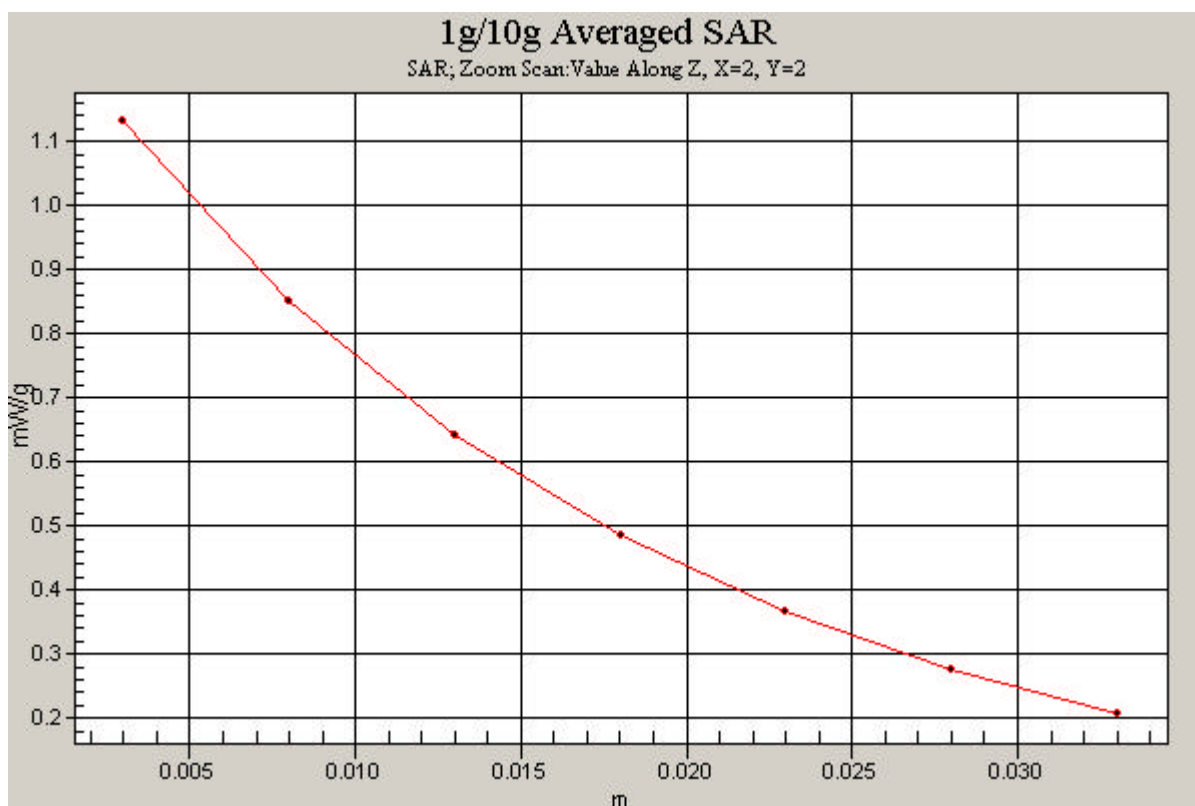
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.4 V/m

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.727 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ( $\sigma = 1.40$  mho/m,  $\epsilon_r = 39.18$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Right Section

Test Date: 08-15-2007; Ambient Temp: 23.7°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3589; ConvF(6.71, 6.71, 6.71); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Sub; Type: SAM 4.0; Serial: TP-1403

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Right Head, Touch, Mid.ch, Standard Battery**

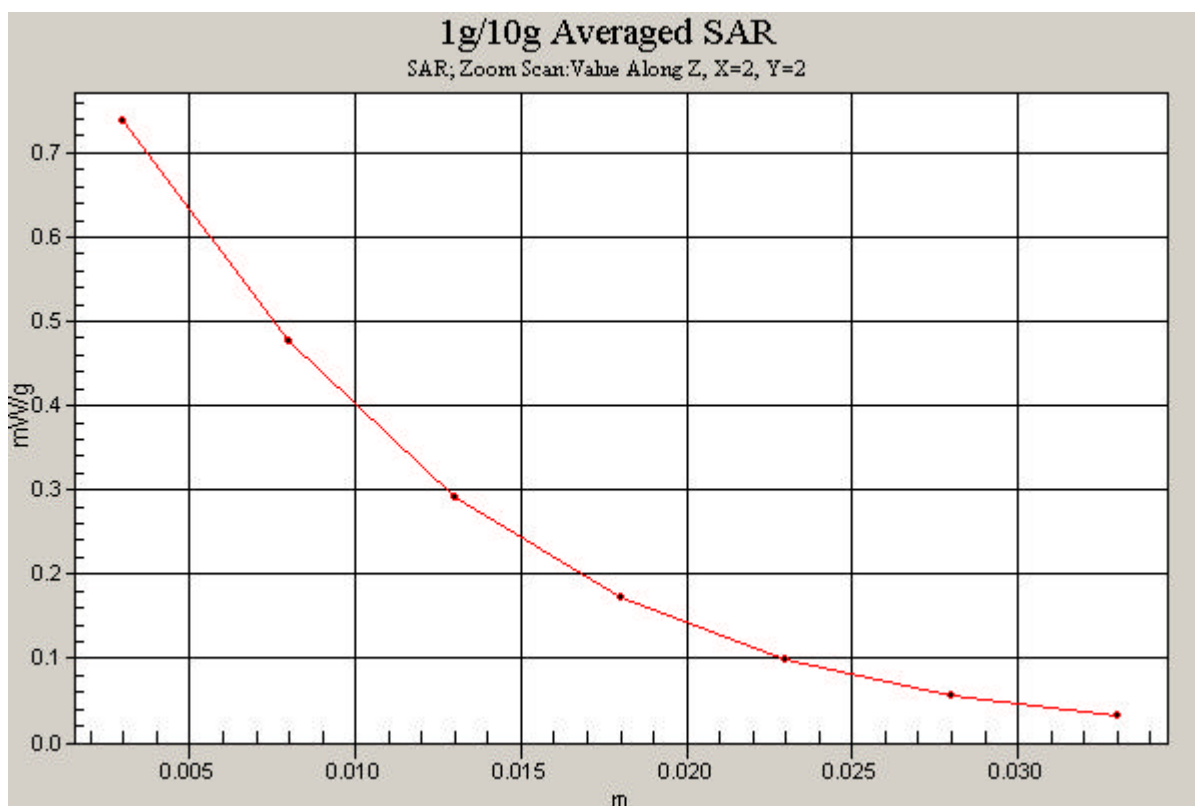
**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.44 V/m

Peak SAR (extrapolated) = 1.12 W/kg

**SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.335 mW/g**



# PCTEST ENGINEERING LABORATORY, INC.

**DUT: SCH-R200; Type: Cellular/PCS CDMA Phone with AMPS; Serial: FE-139-M**

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Muscle ( $\sigma = 1.58$  mho/m,  $\epsilon_r = 55.80$ ,  $\rho = 1000$  kg/m<sup>3</sup>)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 08-16-2007; Ambient Temp: 23.8°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3589; ConvF(6.79, 6.79, 6.79); Calibrated: 5/28/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn704; Calibrated: 5/25/2007

Phantom: SAM Main; Type: SAM 4.0; Serial: TP-1406

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**Mode: PCS CDMA, Body SAR, Backside, Mid.ch, Standard Battery**

**Area Scan (6x10x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.5 V/m

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.641 mW/g; SAR(10 g) = 0.360 mW/g**

