

APPENDIX A - SAR MEASUREMENT DATA

Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Mid Channel - Right Ear - Cheek/Touch Position

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA
Frequency: 836.52 MHz; Duty Cycle: 1:1
RF Output Power: 24.46 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

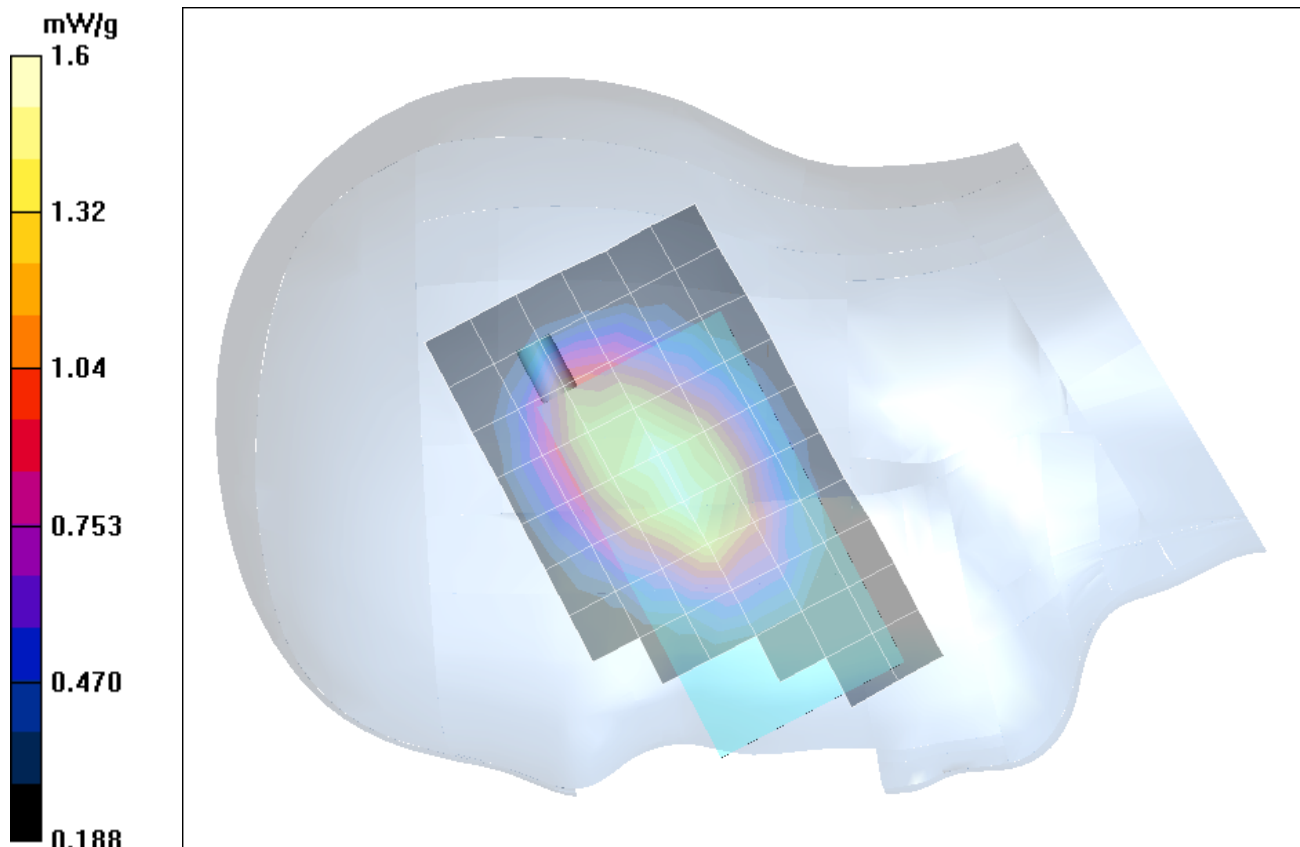
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 384/Area Scan (7x11x1):

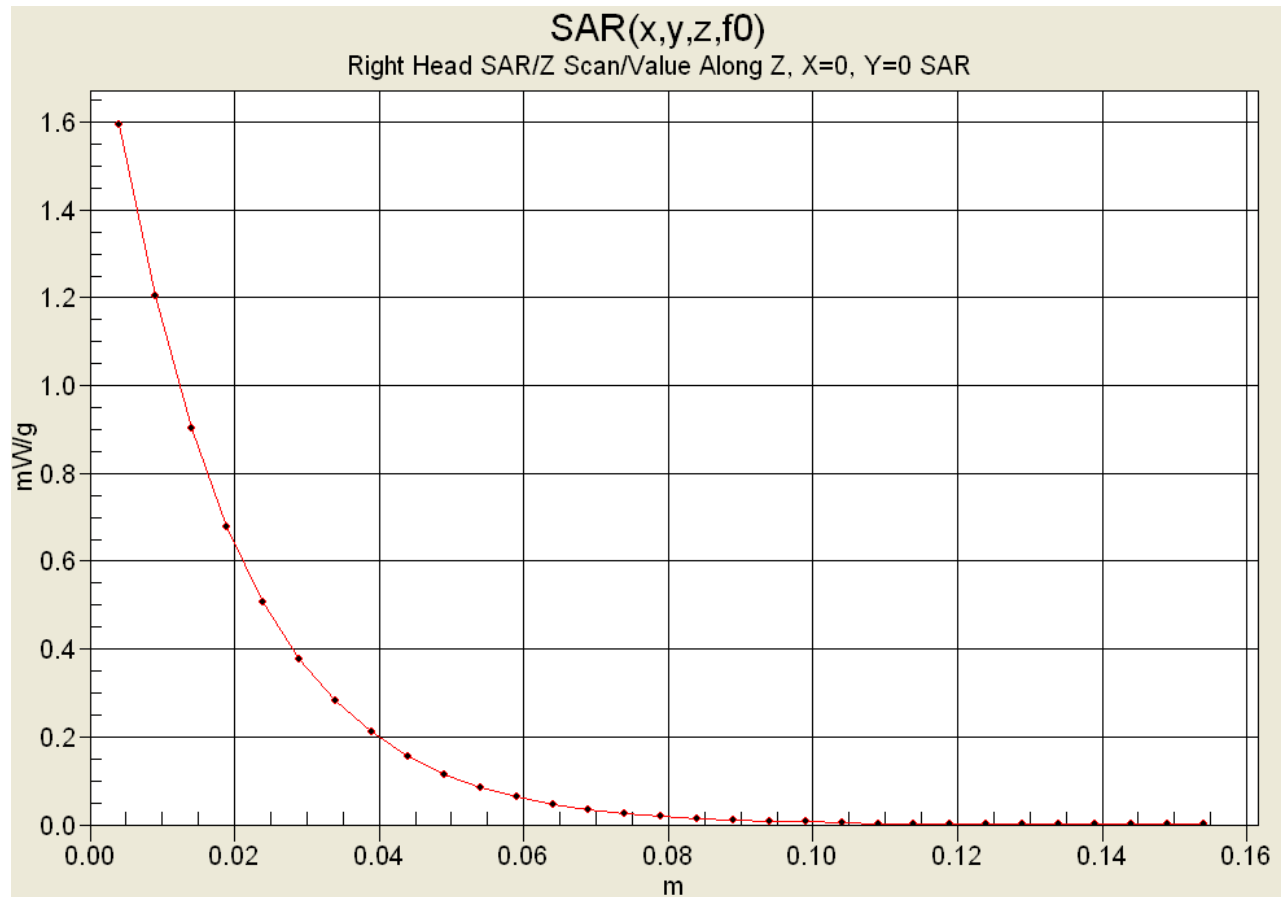
Measurement grid: dx=15mm, dy=15mm

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 384/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 35 V/m; Power Drift = 0.0201 dB
Peak SAR (extrapolated) = 1.98 W/kg
SAR(1 g) = 1.50 mW/g; SAR(10 g) = 1.08 mW/g



Z-Axis Scan



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Low Channel - Right Ear - Cheek/Touch Position

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA
Frequency: 824.70 MHz; Duty Cycle: 1:1
RF Output Power: 24.37 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

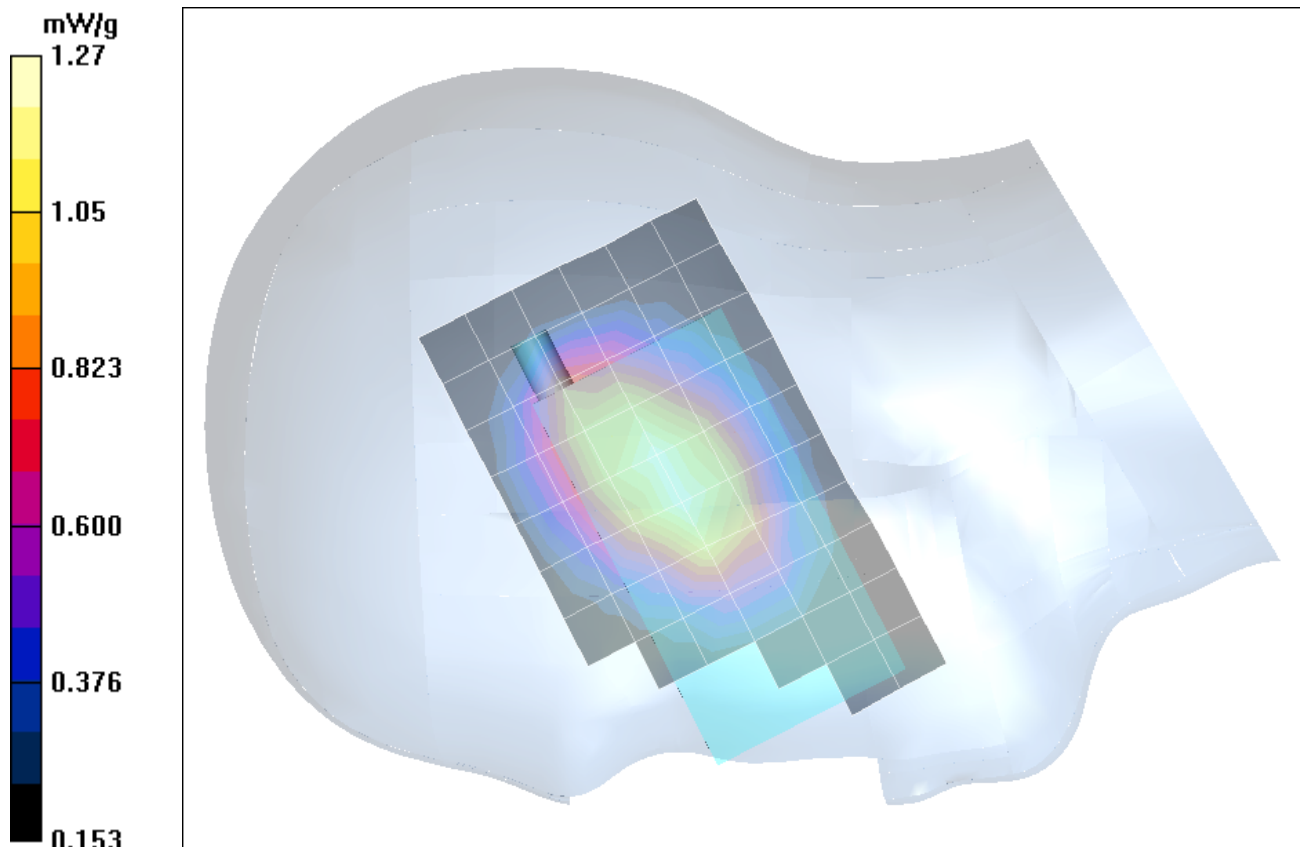
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 1013/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 1013/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 31 V/m; Power Drift = -0.00454 dB
Peak SAR (extrapolated) = 1.6 W/kg
SAR(1 g) = 1.20 mW/g; SAR(10 g) = 0.861 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - High Channel - Right Ear - Cheek/Touch Position

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA
Frequency: 848.31 MHz; Duty Cycle: 1:1
RF Output Power: 24.41 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

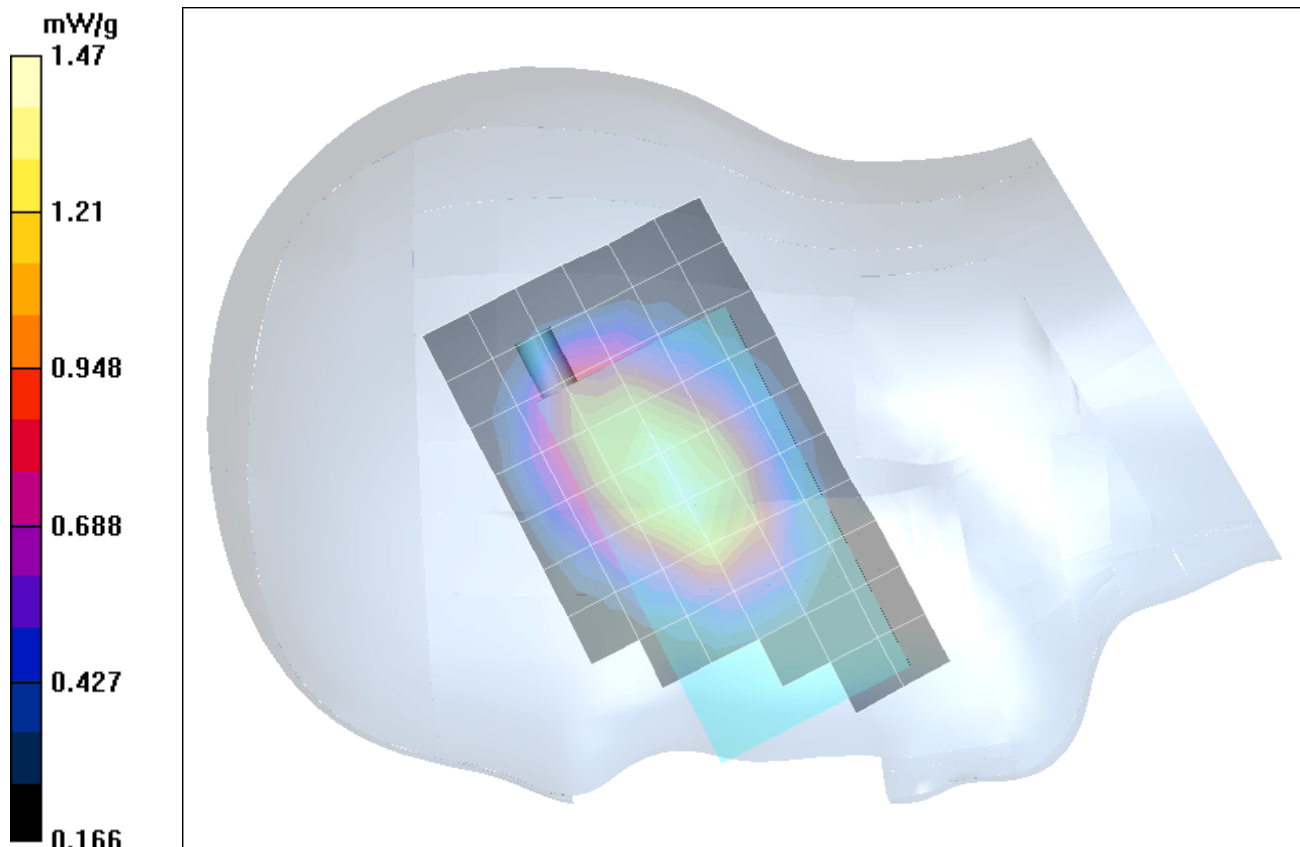
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 777/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 777/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33 V/m; Power Drift = -0.0221 dB
Peak SAR (extrapolated) = 1.87 W/kg
SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.991 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Mid Channel - Right Ear - Tilt Position (15°)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA

Frequency: 836.52 MHz; Duty Cycle: 1:1

RF Output Power: 24.46 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 384/Area Scan (7x11x1):

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

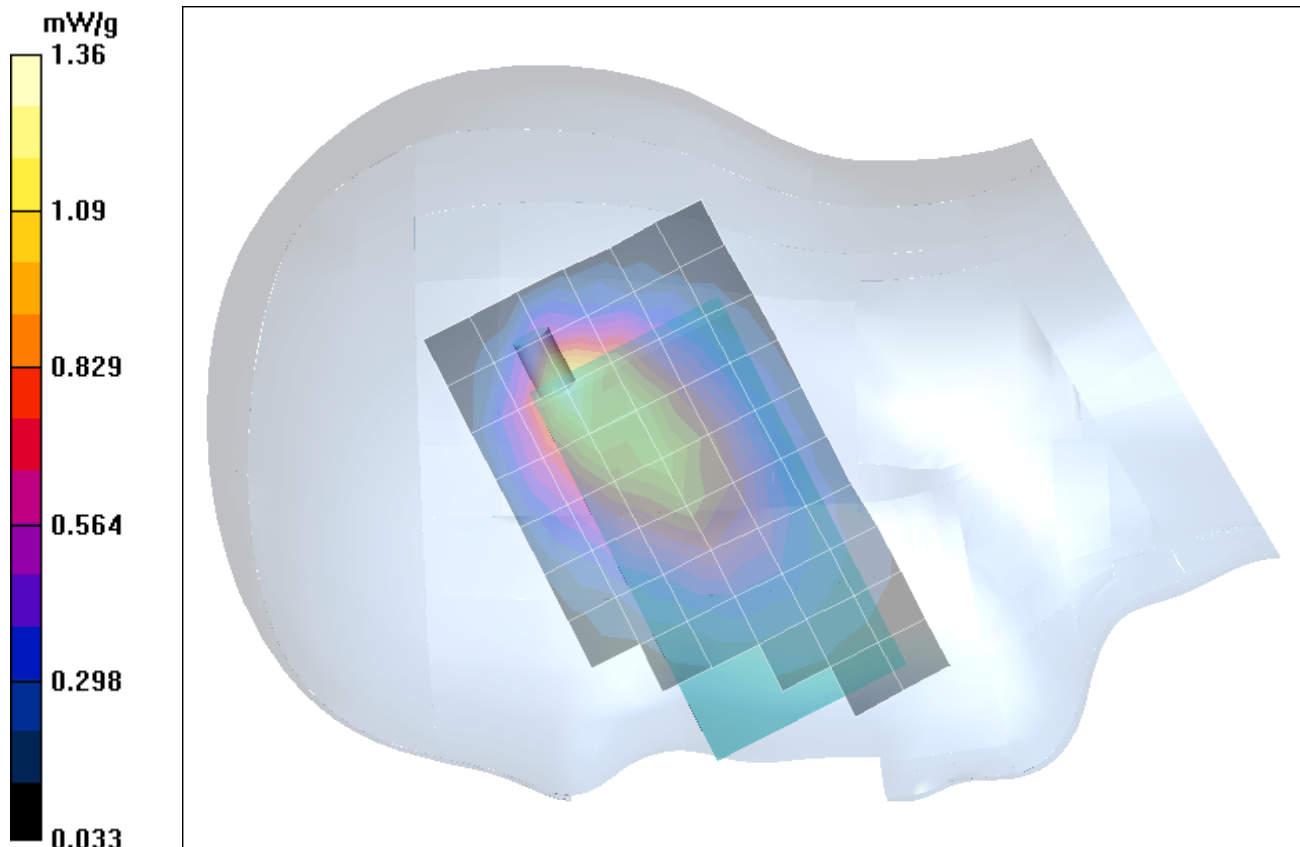
Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 384/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 33.8 V/m; Power Drift = 0.0316 dB

Peak SAR (extrapolated) = 3.35 W/kg

SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.781 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Low Channel - Right Ear - Tilt Position (15°)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA

Frequency: 824.70 MHz; Duty Cycle: 1:1

RF Output Power: 24.37 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 1013/Area Scan (7x11x1):

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

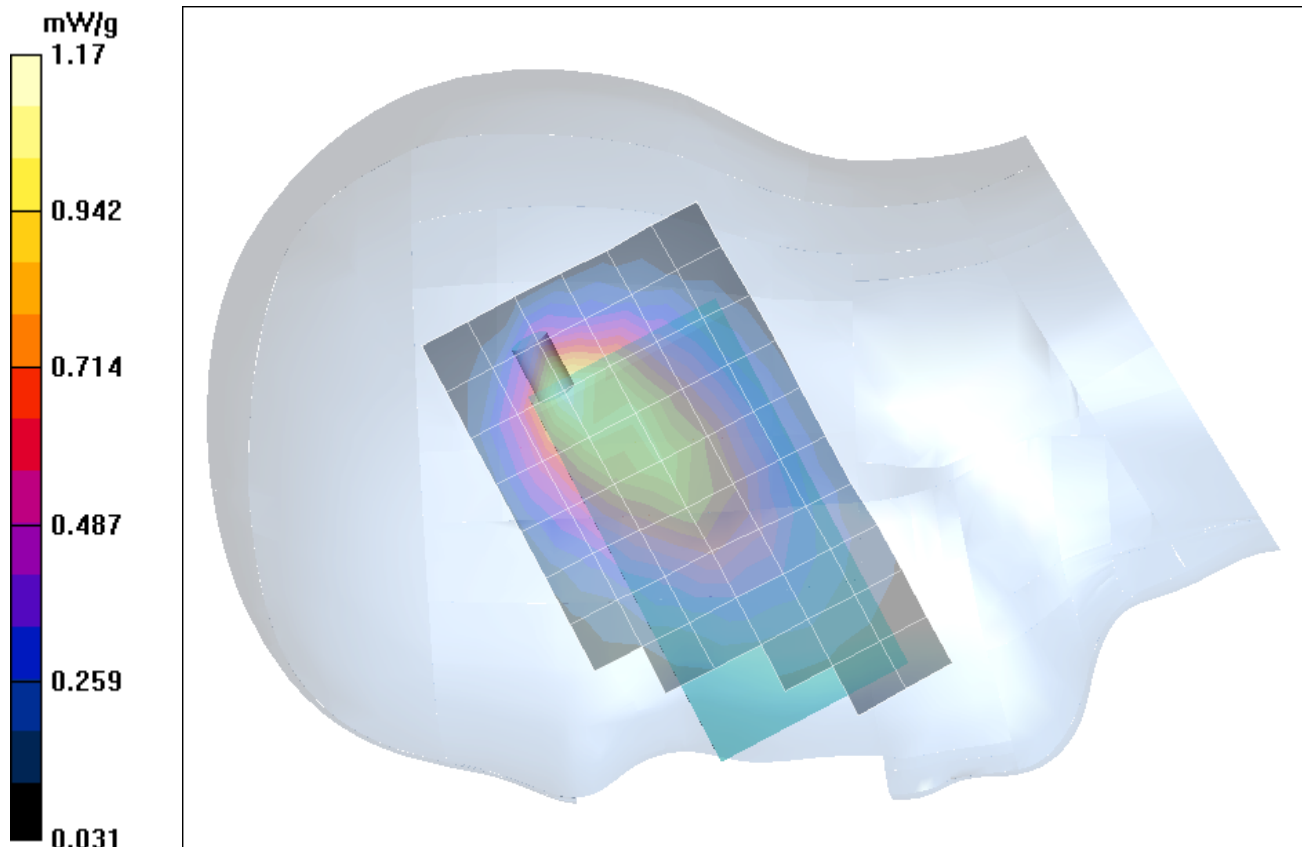
Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 1013/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 32 V/m; Power Drift = -0.0431 dB

Peak SAR (extrapolated) = 2.62 W/kg

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.685 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - High Channel - Right Ear - Tilt Position (15°)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA

Frequency: 848.31 MHz; Duty Cycle: 1:1

RF Output Power: 24.41 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 777/Area Scan (7x11x1):

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

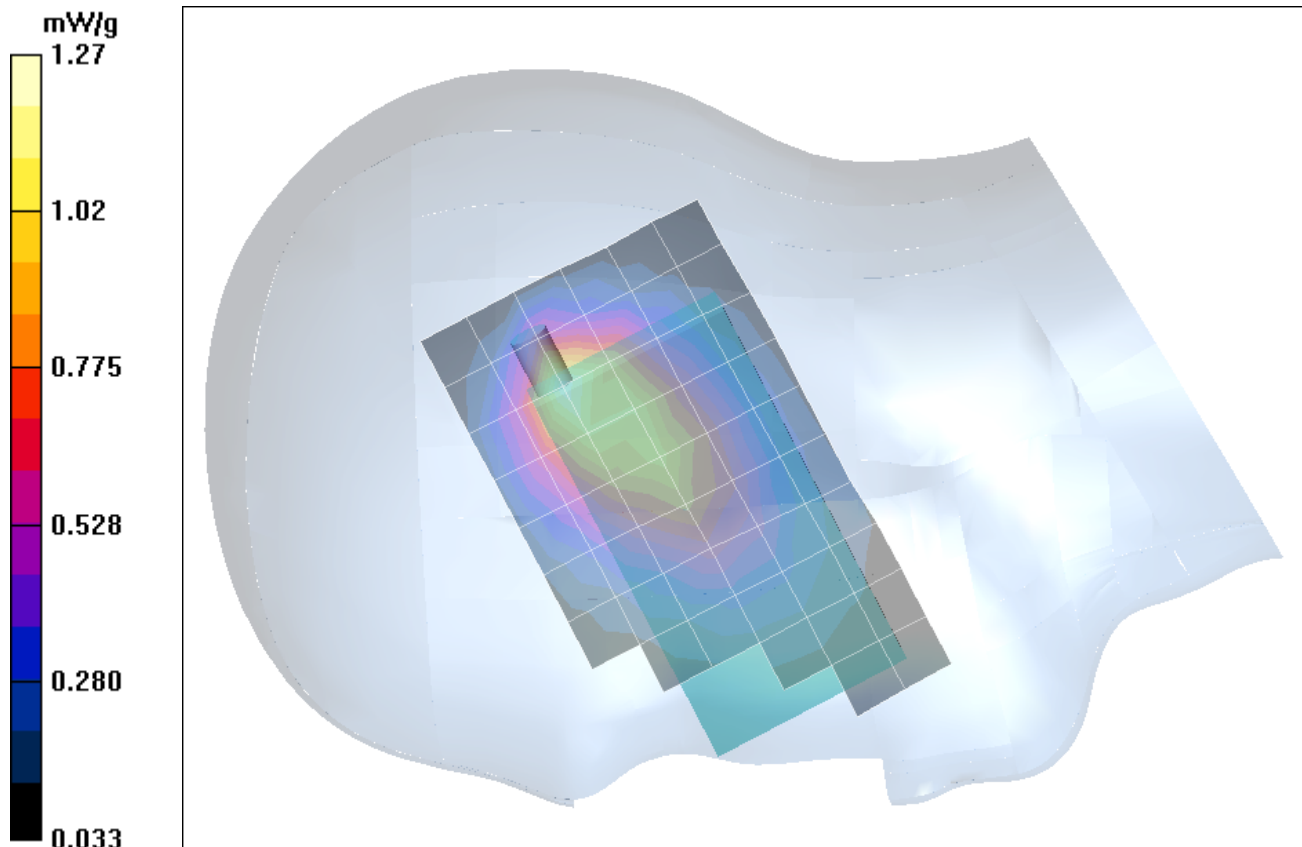
Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 777/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 32.7 V/m; Power Drift = 0.014 dB

Peak SAR (extrapolated) = 2.89 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.735 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Mid Channel - Left Ear - Cheek/Touch Position

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA
Frequency: 836.52 MHz; Duty Cycle: 1:1
RF Output Power: 24.46 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

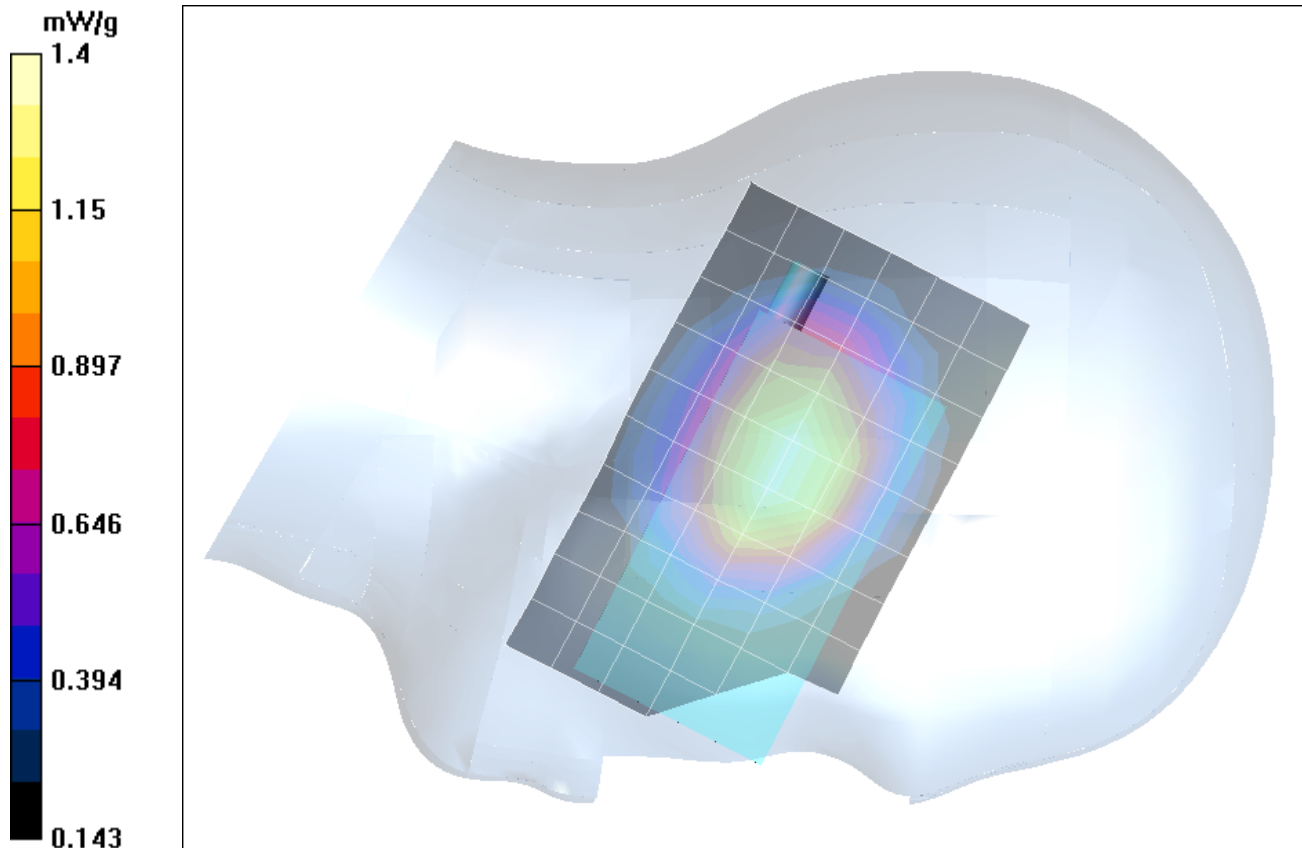
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Left Ear - Cheek/Touch Position - Channel 384/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Left Ear - Cheek/Touch Position - Channel 384/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 33.6 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 1.73 W/kg
SAR(1 g) = 1.34 mW/g; SAR(10 g) = 0.963 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Low Channel - Left Ear - Cheek/Touch Position

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA
Frequency: 824.70 MHz; Duty Cycle: 1:1
RF Output Power: 24.37 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

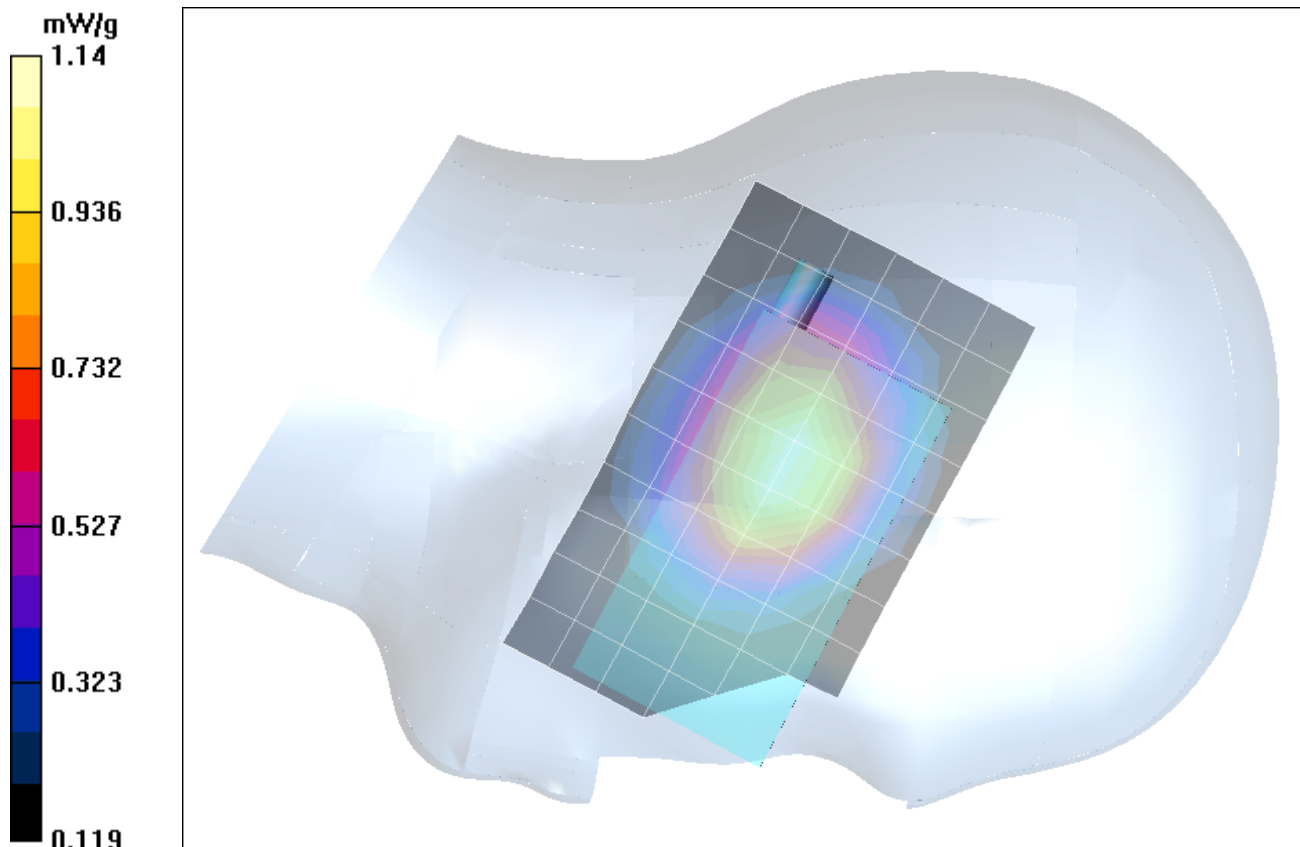
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglas; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Left Ear - Cheek/Touch Position - Channel 1013/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Left Ear - Cheek/Touch Position - Channel 1013/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 29.9 V/m; Power Drift = -0.0791 dB
Peak SAR (extrapolated) = 1.43 W/kg
SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.778 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - High Channel - Left Ear - Cheek/Touch Position

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA
Frequency: 848.31 MHz; Duty Cycle: 1:1
RF Output Power: 24.41 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

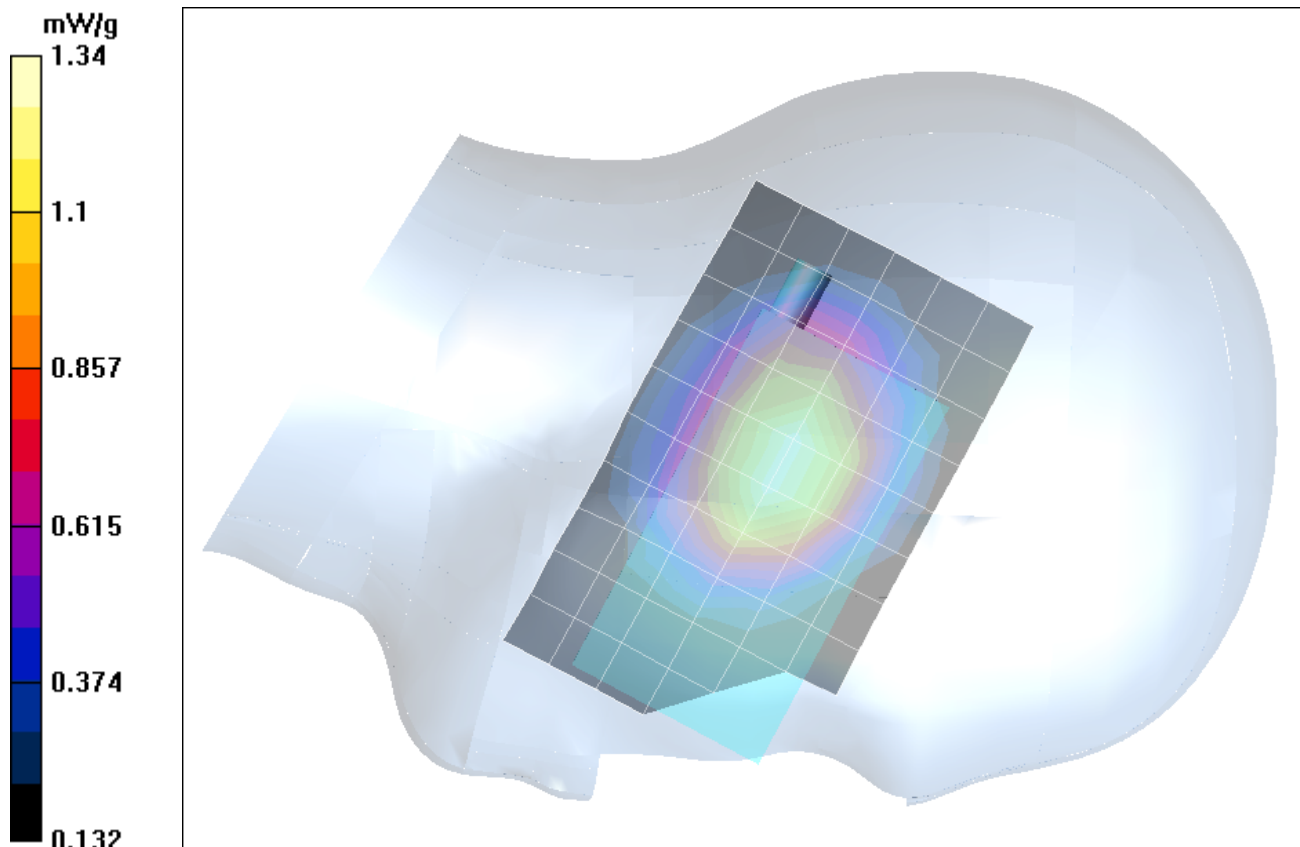
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglas; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Left Ear - Cheek/Touch Position - Channel 777/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Left Ear - Cheek/Touch Position - Channel 777/Zoom Scan (7x7x7)/Cube 0:

Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 32.3 V/m; Power Drift = -0.114 dB
Peak SAR (extrapolated) = 1.65 W/kg
SAR(1 g) = 1.26 mW/g; SAR(10 g) = 0.908 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Mid Channel - Left Ear - Tilt Position (15°)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA

Frequency: 836.52 MHz; Duty Cycle: 1:1

RF Output Power: 24.46 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE3 Sn370; Calibrated: 14/05/2004

- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 384/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 384/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 31.9 V/m; Power Drift = -0.00272 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 0.912 mW/g; SAR(10 g) = 0.632 mW/g

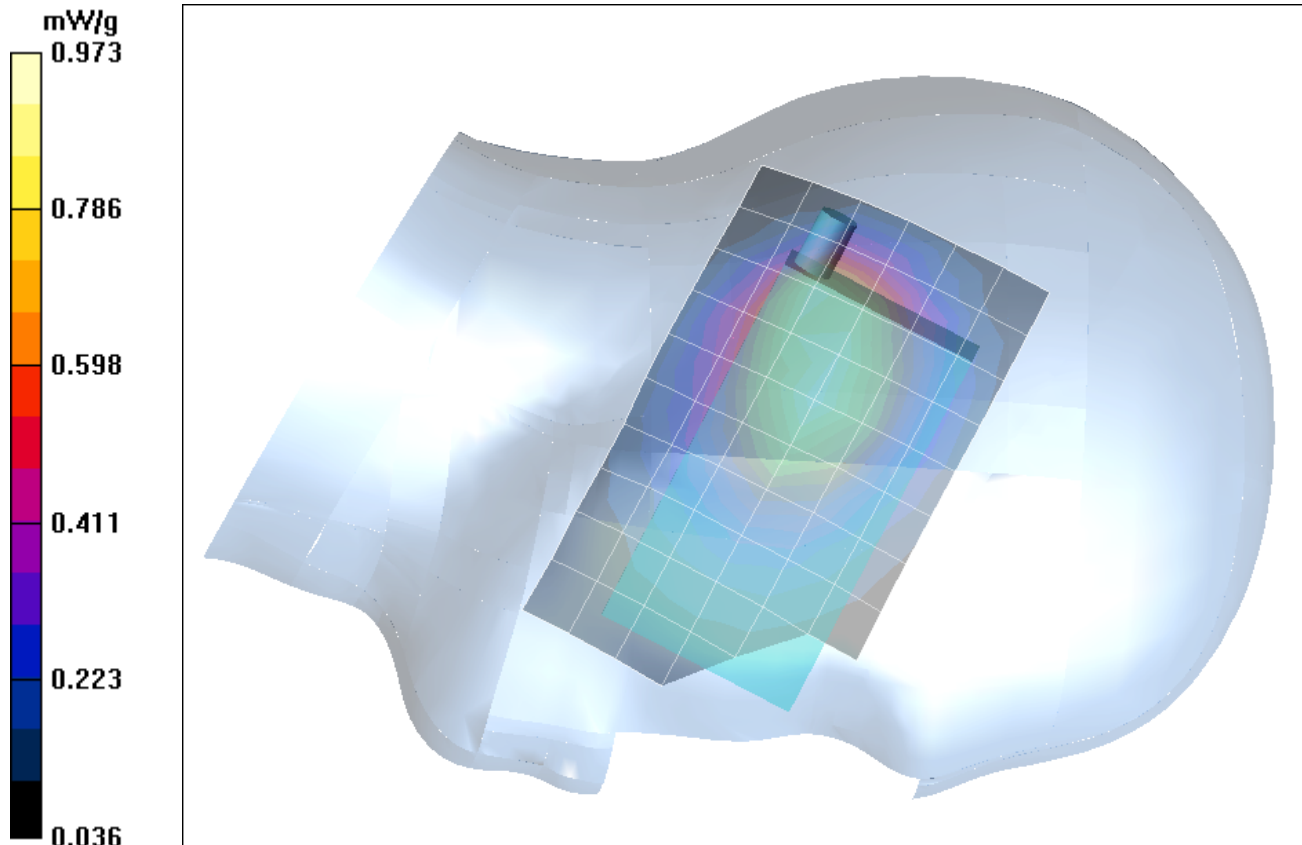
Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 384/Zoom Scan (7x7x7)/Cube 1:

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

Reference Value = 31.9 V/m; Power Drift = -0.00272 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.895 mW/g; SAR(10 g) = 0.655 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - Low Channel - Left Ear - Tilt Position (15°)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA

Frequency: 824.70 MHz; Duty Cycle: 1:1

RF Output Power: 24.37 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE3 Sn370; Calibrated: 14/05/2004

- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 1013/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 1013/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 29.3 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.756 mW/g; SAR(10 g) = 0.527 mW/g

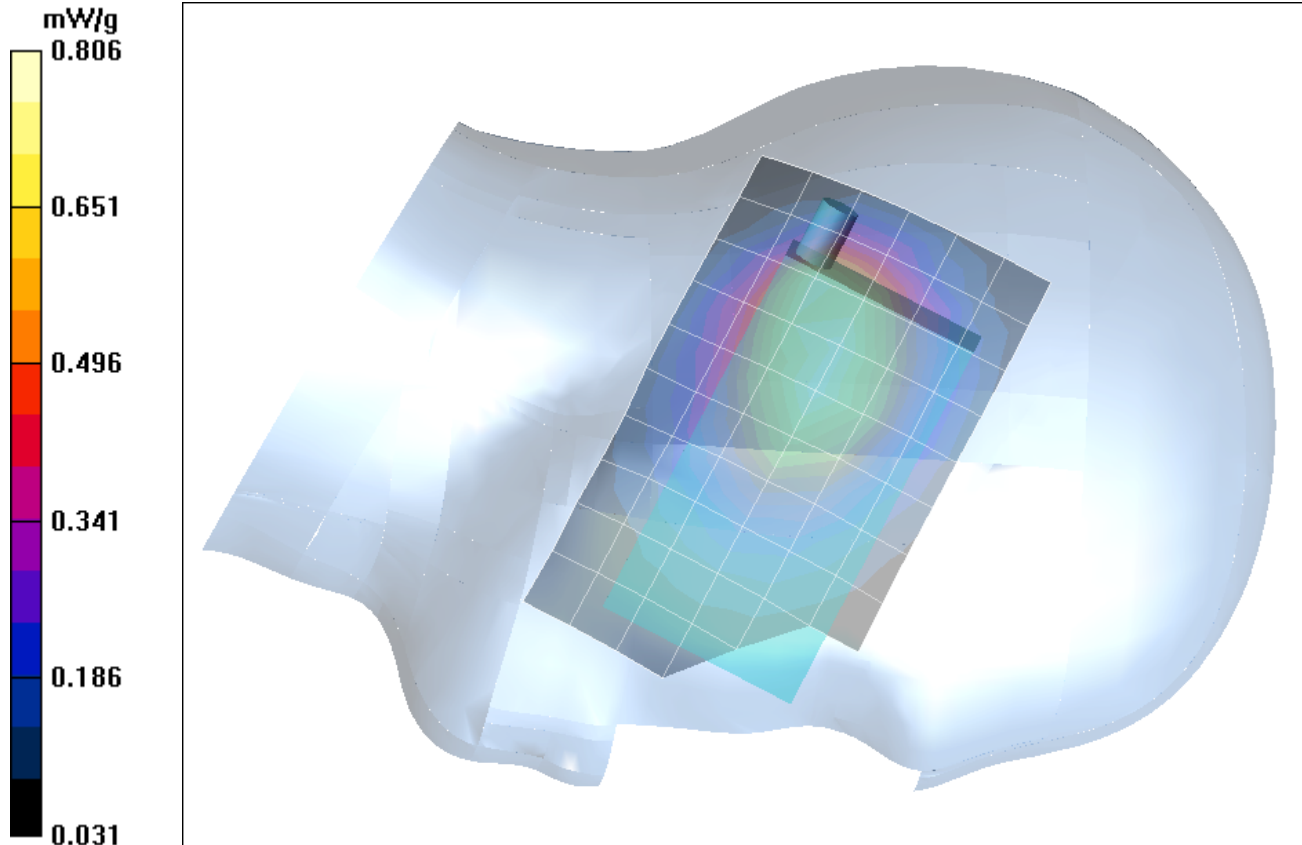
Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 1013/Zoom Scan (7x7x7)/Cube 1:

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

Reference Value = 29.3 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.979 W/kg

SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.545 mW/g



Date Tested: 07/27/04

Head SAR - Cellular CDMA Mode - High Channel - Left Ear - Tilt Position (15°)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.5 °C; Fluid Temp: 22.2 °C; Barometric Pressure: 102.6 kPa; Humidity: 34%

Communication System: Cellular CDMA

Frequency: 848.31 MHz; Duty Cycle: 1:1

RF Output Power: 24.41 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE3 Sn370; Calibrated: 14/05/2004

- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 777/Area Scan (7x11x1):

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

Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 777/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 31.4 V/m; Power Drift = -0.0498 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.610 mW/g

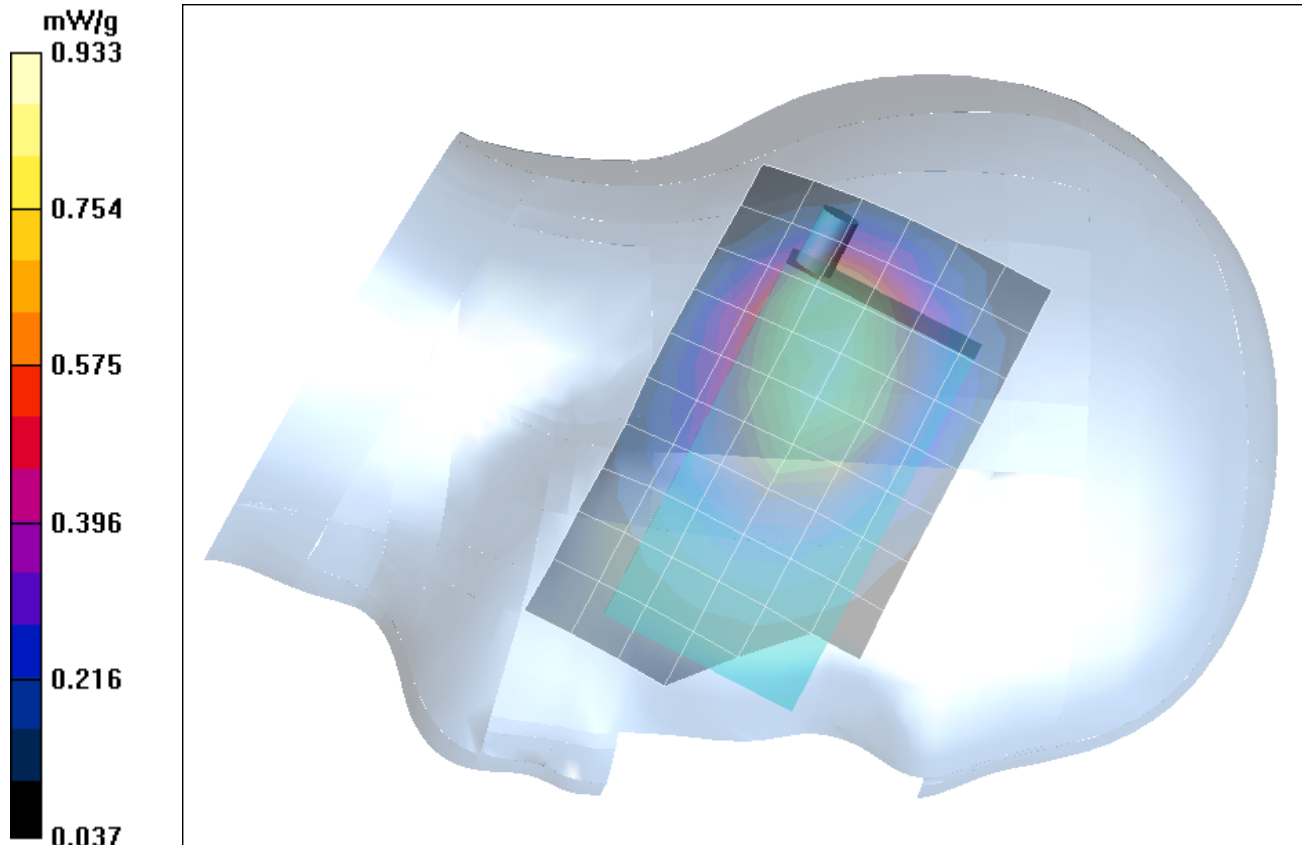
Head SAR - Cellular CDMA - Left Ear - Tilt Position (15°) - Channel 777/Zoom Scan (7x7x7)/Cube 1:

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

Reference Value = 31.4 V/m; Power Drift = -0.0498 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.622 mW/g



Date Tested: 07/29/04

Head SAR - Cellular CDMA Mode - Mid Channel - Right Ear - Cheek/Touch Position With Aluminum Case Accessory (SKU#3202WW)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.8 °C; Fluid Temp: 22.5 °C; Barometric Pressure: 102.1 kPa; Humidity: 38%

Communication System: Cellular CDMA

Frequency: 836.52 MHz; Duty Cycle: 1:1

RF Output Power: 24.46 dBm (Conducted)

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)

Medium: HSL835 ($\sigma = 0.90$ mho/m; $\epsilon_r = 40.4$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004

- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)

- Electronics: DAE3 Sn370; Calibrated: 14/05/2004

- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033

- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 384/Area Scan (7x11x1):

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

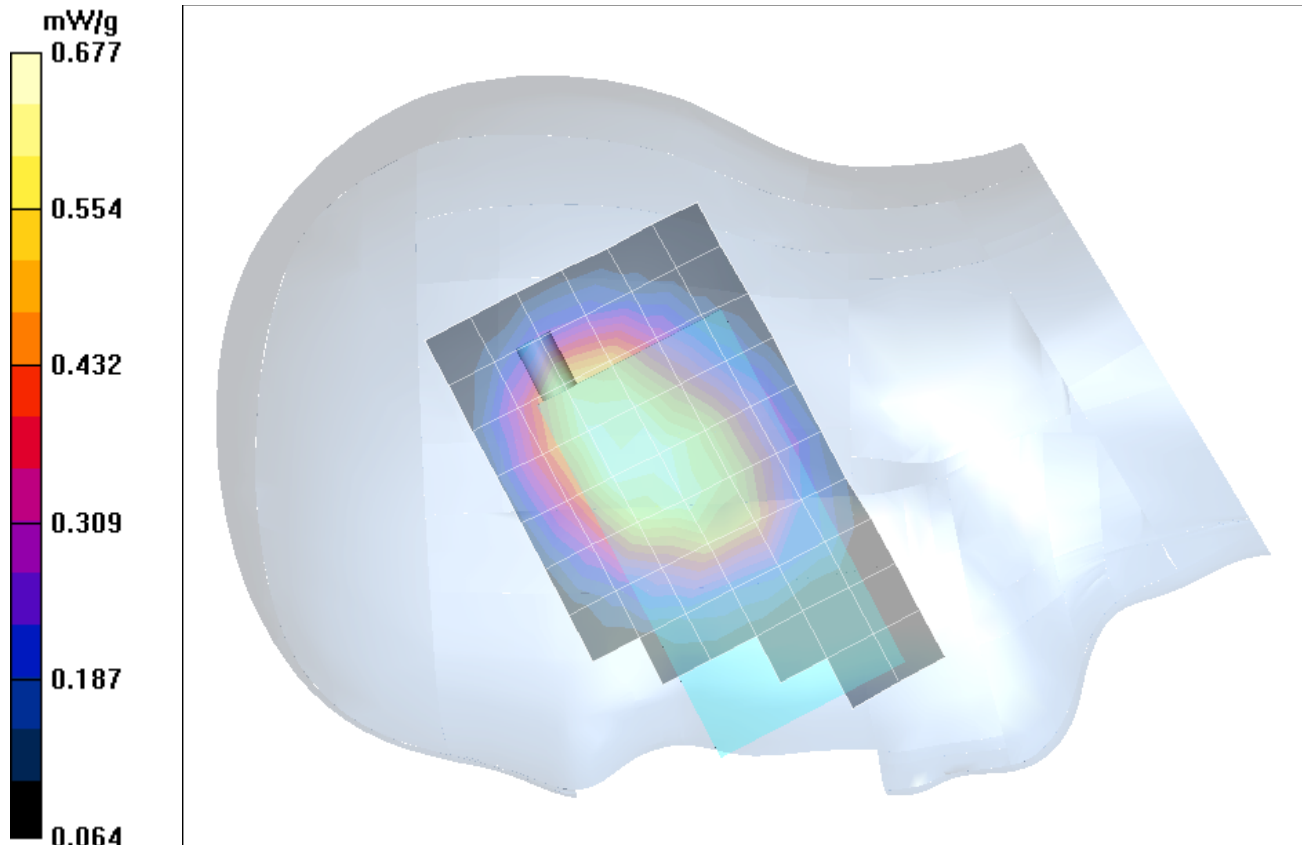
Head SAR - Cellular CDMA - Right Ear - Cheek/Touch Position - Channel 384/Zoom Scan (7x7x7)/Cube 0:

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

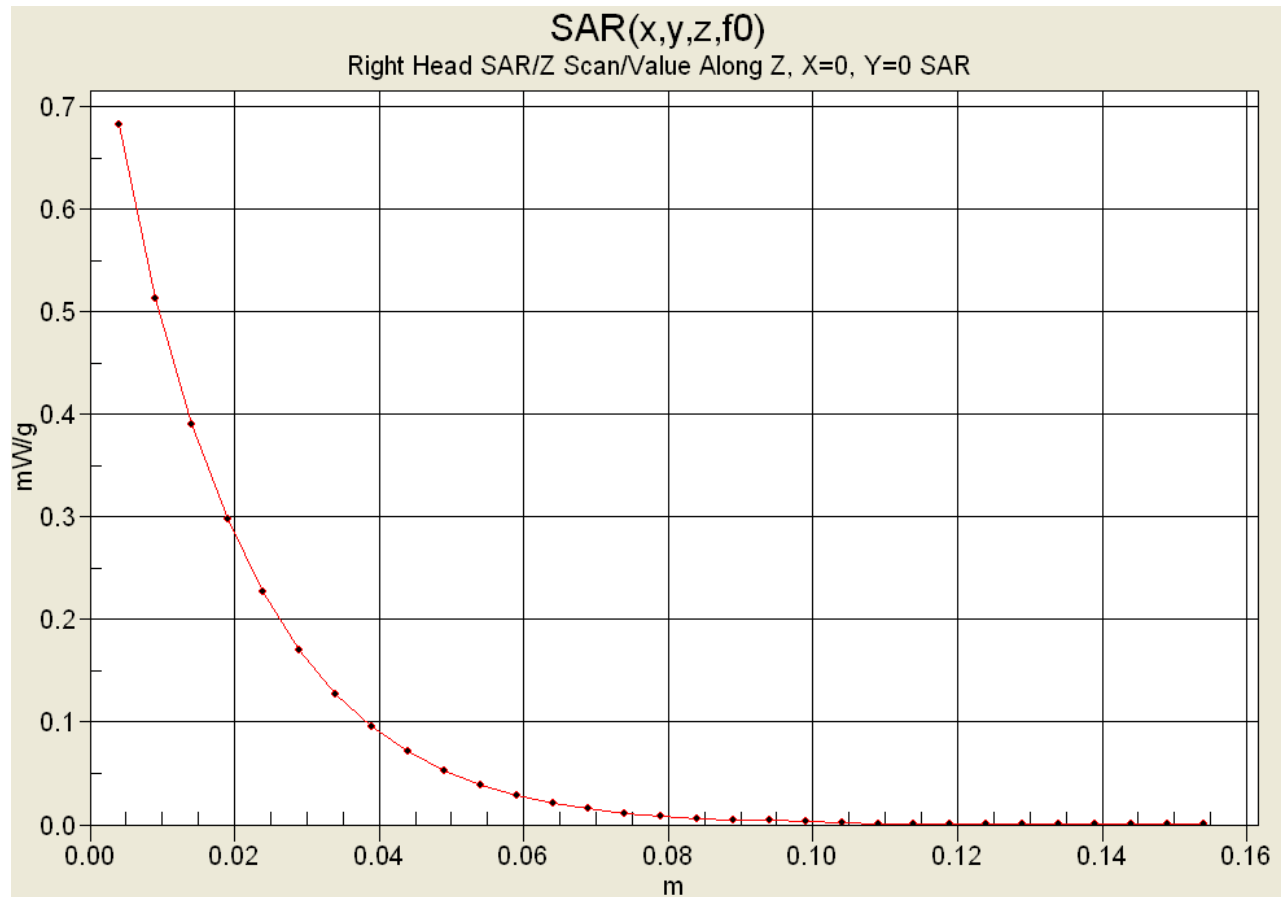
Reference Value = 25.3 V/m; Power Drift = -0.0306 dB

Peak SAR (extrapolated) = 0.864 W/kg

SAR(1 g) = 0.643 mW/g; SAR(10 g) = 0.471 mW/g



Z-Axis Scan



Date Tested: 07/29/04

Head SAR - Cellular CDMA Mode - Mid Channel - Right Ear - Tilt Position (15°) With Aluminum Case Accessory (SKU#3202WW)

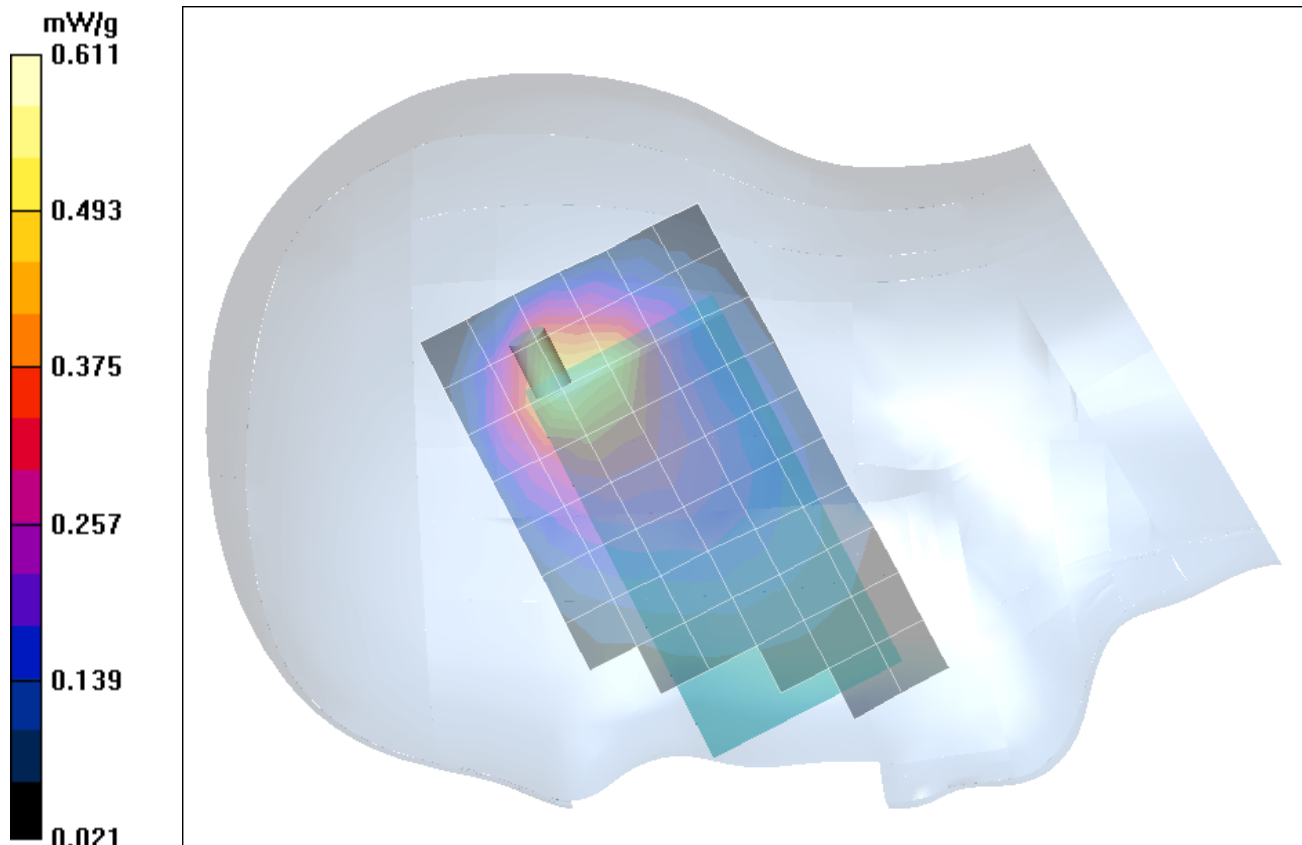
DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027

Ambient Temp: 23.8 °C; Fluid Temp: 22.5 °C; Barometric Pressure: 102.1 kPa; Humidity: 38%

Communication System: Cellular CDMA
Frequency: 836.52 MHz; Duty Cycle: 1:1
RF Output Power: 24.46 dBm (Conducted)
3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Medium: HSL835 ($\sigma = 0.90 \text{ mho/m}$; $\epsilon_r = 40.4$; $\rho = 1000 \text{ kg/m}^3$)
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 384/Area Scan (7x11x1):
Measurement grid: dx=15mm, dy=15mm

Head SAR - Cellular CDMA - Right Ear - Tilt Position (15°) - Channel 384/Zoom Scan (7x7x7)/Cube 0:
Measurement grid: dx=5mm, dy=5mm, dz=5mm
Reference Value = 21.6 V/m; Power Drift = -0.203 dB
Peak SAR (extrapolated) = 1.17 W/kg
SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.345 mW/g



Date Tested: 08/18/04

Head SAR - Cellular CDMA Mode - Mid Channel - Right Ear - Cheek/Touch Position Simultaneous Transmit with Co-located Bluetooth Transmitter (Broadcom BCM-2035)

DUT: palmOne Model: Treo 650; Type: Portable Dual-Band PCS/Cellular CDMA2000 Phone; Serial: HT427D900027
Ambient Temp: 23.1 °C; Fluid Temp: 23.6 °C; Barometric Pressure: 102.7 kPa; Humidity: 36%

3.7V 1900mAh Li-ion Battery Pack (P/N: 167-10165-00)
Communication System: Cellular CDMA
Frequency: 836.52 MHz; Duty Cycle: 1:1
RF Output Power: 24.44 dBm (Conducted)
Frequency: 2441 MHz; Duty Cycle: 1:1 (Bluetooth)
RF Output Power: -5.1 dBm (Peak Conducted) Bluetooth
Communication System: Modulated Fixed Frequency (Bluetooth)
Medium: HSL835 ($\sigma = 0.91$ mho/m; $\epsilon_r = 40.6$; $\rho = 1000$ kg/m³)
- Probe: ET3DV6 - SN1590; ConvF(6.71, 6.71, 6.71); Calibrated: 24/05/2004
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 14/05/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.2 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 112

Head SAR - Cellular CDMA & Bluetooth - Right Ear - Cheek/Touch Position - Channel 384

Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

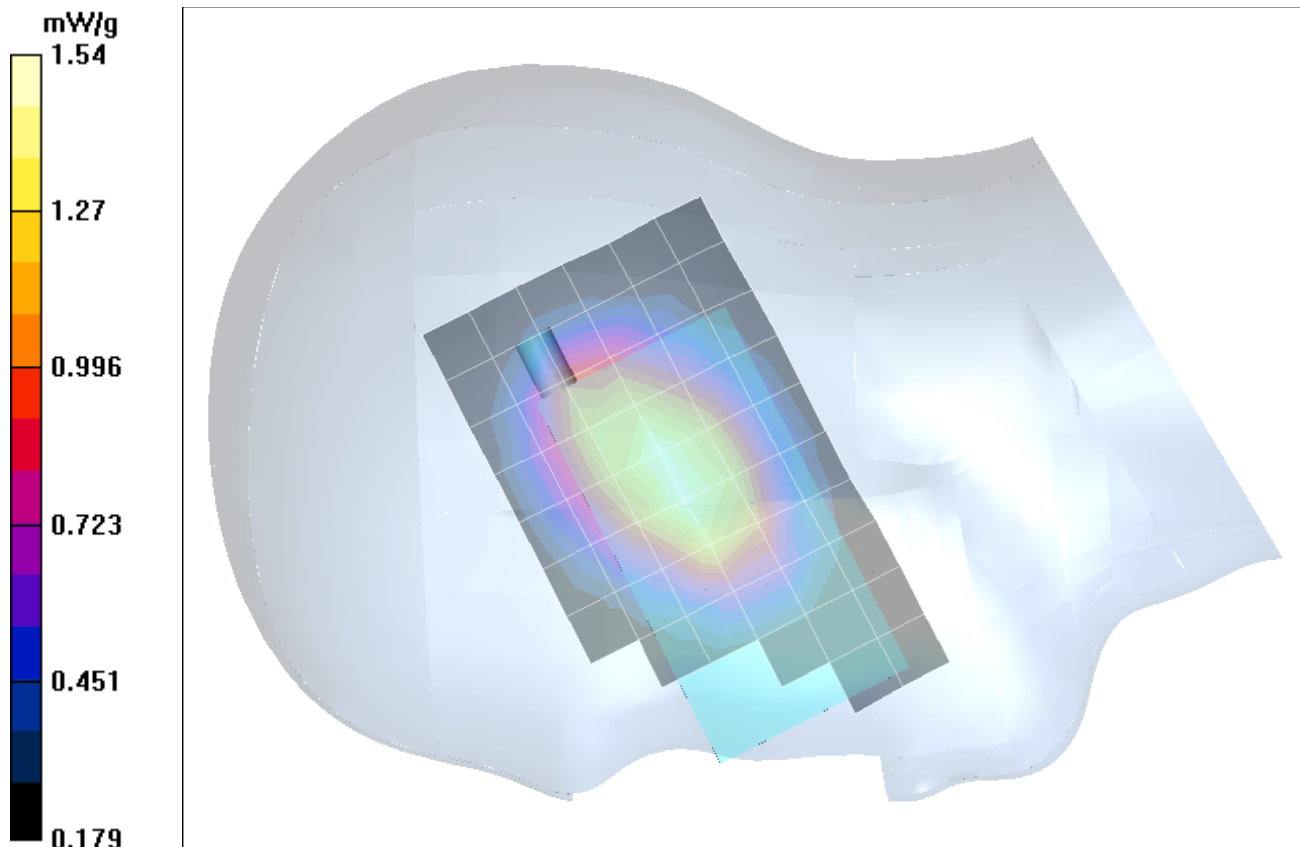
Head SAR - Cellular CDMA & Bluetooth - Right Ear - Cheek/Touch Position - Channel 384

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 34.5 V/m; Power Drift = -0.0006 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.45 mW/g; SAR(10 g) = 1.04 mW/g



Z-Axis Scan

