

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Right Ear - Tilt Position (15°) - Channel 1 - Volume Scan

DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTVC03Q5H055

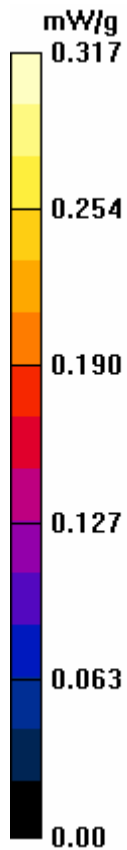
Ambient Temp: 24.8 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 102.9 kPa; Humidity: 31%

Communication System: DSSS WLAN
RF Output Power: 15.2 dBm (Conducted)
Frequency: 2412 MHz; Channel 1; Duty Cycle: 1:1
Power: Li-ion Battery Pack in Treo Phone (P/N: 157-10014-00)
Medium: HSL2450 ($\sigma = 1.85 \text{ mho/m}$, $\epsilon_r = 37.5$; $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(4.56, 4.56, 4.56); Calibrated: 18/03/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn353; Calibrated: 06/07/2004
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Tilt Position (15°) - Low Channel/Volume Scan (9x13x7):

Measurement grid: $dx=7.5\text{mm}$, $dy=7.5\text{mm}$, $dz=5\text{mm}$
Reference Value = 9.70 V/m; Power Drift = -0.127 dB
Peak SAR (extrapolated) = 0.639 W/kg
SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.151 mW/g
Total Absorbed Power = 0.00614085 W



Date Tested: 08/23/2005 (Cellular CDMA)
Date Tested: 05/26/2005 (802.11b SDIO)

Cellular CDMA Head SAR - 802.11b SDIO Head SAR - Multi-Band Grid Summation

Head SAR - Right Ear - Tilt Position (15°)

DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PWVC0835H0AX

Cellular CDMA: Ambient Temp: 22.9 °C; Fluid Temp: 22.7 °C; Barometric Pressure: 101.8 kPa; Humidity: 31%

802.11b WLAN: Ambient Temp: 24.8 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 102.9 kPa; Humidity: 31%

Li-ion Battery Pack (P/N: 157-10014-00)

Communication System: Cellular CDMA

Frequency: 848.31 MHz; Channel 777; Duty Cycle: 1:1

RF Output Power: 24.0 dBm (Conducted) Cellular CDMA

Medium: HSL835 ($\sigma = 0.87$ mho/m; $\epsilon_r = 41.3$; $\rho = 1000$ kg/m³)

Communication System: DSSS WLAN

Frequency: 2412 MHz; Channel 1; Duty Cycle: 1:1

RF Output Power: 15.2 dBm (Conducted) 802.11b WLAN

Medium: HSL2450 ($\sigma = 1.85$ mho/m, $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF (6.47, 6.47, 6.47) & (4.56, 4.56, 4.56); Calibrated: 18/03/2005

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

- Electronics: DAE3 Sn370; Calibrated: 25/01/2005

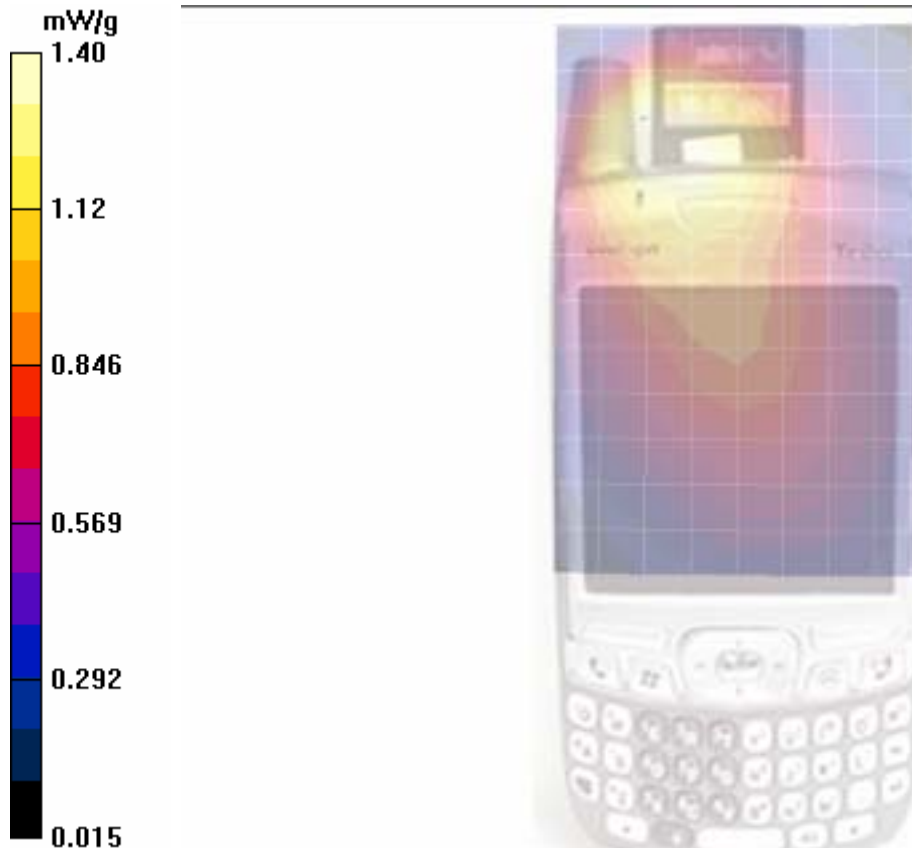
- Electronics: DAE3 Sn353; Calibrated: 06/07/2004

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Multi-Band Grid Summation:

SAR(1 g) = 1.39 mW/g; SAR(10 g) = 0.813 mW/g



Date Tested: 08/23/2005 (PCS CDMA)
Date Tested: 05/26/2005 (802.11b SDIO)

PCS CDMA Head SAR - 802.11b SDIO Head SAR - Multi-Band Grid Summation

Head SAR - Left Ear - Tilt Position (15°)

DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PWVC0835H0AX

PCS CDMA: Ambient Temp: 25.3 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 101.5 kPa; Humidity: 30%

802.11b WLAN: Ambient Temp: 24.8 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 102.9 kPa; Humidity: 31%

Li-ion Battery Pack (P/N: 157-10014-00)

Communication System: PCS CDMA

Frequency: 1851.25 MHz Channel 25; Duty Cycle: 1:1

RF Output Power: 23.8 dBm (Conducted) PCS CDMA

Medium: HSL1880 ($\sigma = 1.40$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³)

Communication System: DSSS WLAN

Frequency: 2412; Channel 1; Duty Cycle: 1:1

RF Output Power: 15.2 dBm (Conducted) 802.11b WLAN

Medium: HSL2450 ($\sigma = 1.85$ mho/m, $\epsilon_r = 37.5$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF (5.18, 5.18, 5.18) & (4.56, 4.56, 4.56); Calibrated: 18/03/2005

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

- Electronics: DAE3 Sn370; Calibrated: 25/01/2005

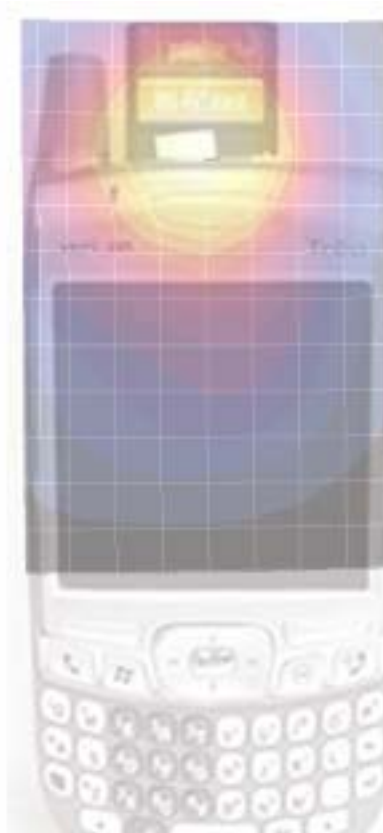
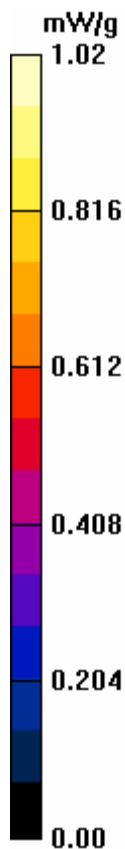
- Electronics: DAE3 Sn353; Calibrated: 06/07/2004

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

- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Multi-Band Grid Summation:

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.597 mW/g



Date Tested: 08/26/2005

Body SAR - 802.11b WLAN SDIO - 1.5 cm Air-Gap Spacing - Back Side of DUT - Channel 6 - Area/Zoom Scan

DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PWVC0835H0AX

Body-Worn Accessories: None (1.5 cm Air-Gap Spacing); Audio Accessory: Generic Ear-Microphone

Ambient Temp: 25.3 °C; Fluid Temp: 23.9 °C; Barometric Pressure: 101.5 kPa; Humidity: 31%

Communication System: DSSS WLAN
RF Output Power: 14.7 dBm (Conducted)
Frequency: 2437 MHz; Channel 6; Duty Cycle: 1:1
Power: Li-ion Battery Pack in Treo Phone (P/N: 157-10014-00)
Medium: M2450 ($\sigma = 1.92 \text{ mho/m}$; $\epsilon_r = 50.7$; $\rho = 1000 \text{ kg/m}^3$)

- Probe: ET3DV6 - SN1387; ConvF(4.3, 4.3, 4.3); Calibrated: 18/03/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 25/01/2005
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

**Body-Worn SAR - 802.11b SDIO in Treo XXX Phone - 1.5 cm Air-Gap Separation Distance from Back of DUT
Mid Channel/Area Scan (7x11x1):** Measurement grid: dx=15mm, dy=15mm

**Body-Worn SAR - 802.11b SDIO in Treo XXX Phone - 1.5 cm Air-Gap Separation Distance from Back of DUT
Mid Channel/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.59 V/m; Power Drift = 0.255 dB
Peak SAR (extrapolated) = 0.137 W/kg
SAR(1 g) = 0.0685 mW/g; SAR(10 g) = 0.038 mW/g



Date Tested: 08/30/2005 (Cellular CDMA)
Date Tested: 08/30/2005 (802.11b SDIO & Bluetooth)

Cellular CDMA Body SAR - 802.11b SDIO & Bluetooth Body SAR - Multi-Band Grid Summation

Body-Worn SAR - 1.5 cm Air-Gap Spacing - Back Side of Treo XXX Phone

DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PWVC0835H0AX

Body-Worn Accessories: None (1.5 cm Air-Gap Spacing); Audio Accessory: Generic Ear-Microphone

Cellular CDMA: Ambient Temp: 24.2 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 102.2 kPa; Humidity: 34%
802.11b WLAN: Ambient Temp: 25.0 °C; Fluid Temp: 22.8 °C; Barometric Pressure: 102.2 kPa; Humidity: 30%

Li-ion Battery Pack in Treo Phone (P/N: 157-10014-00)

Communication System: Cellular CDMA
Frequency: 836.52 MHz; Channel 384; Duty Cycle: 1:1
RF Output Power: 23.8 dBm (Conducted)
Medium: M835 ($\sigma = 0.97$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³)

Communication System: DSSS WLAN
Frequency: 2437 MHz; Channel 6; Duty Cycle: 1:1
RF Output Power: 14.7 dBm (Conducted)
Medium: M2450 ($\sigma = 2.01$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³)

Communication System: FHSS Bluetooth
RF Output Power: 0 dBm (Peak Conducted)

- Probe: ET3DV6 - SN1387; ConvF(6.1, 6.1, 6.1) & ConvF(4.3, 4.3, 4.3); Calibrated: 18/03/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 25/01/2005
- Phantom: SAM 4.0; Type: Fiberglass; Serial: 1033
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Multi-Band Grid Summation:

SAR(1 g) = 0.586 mW/g; SAR(10 g) = 0.425 mW/g



Date Tested: 08/30/2005 (PCS CDMA)
Date Tested: 08/30/2005 (802.11b SDIO)

PCS CDMA Body SAR - 802.11b SDIO Body SAR - Multi-Band Grid Summation

Body-Worn SAR - 1.5 cm Air-Gap Spacing - Back Side of Treo XXX Phone

DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PWVC0835H0AX

Body-Worn Accessories: None (1.5 cm Air-Gap Spacing); **Audio Accessory:** Generic Ear-Microphone

PCS CDMA: Ambient Temp: 23.4 °C; Fluid Temp: 23.5 °C; Barometric Pressure: 102.2 kPa; Humidity: 34%
802.11b WLAN: Ambient Temp: 25.0 °C; Fluid Temp: 22.8 °C; Barometric Pressure: 102.2 kPa; Humidity: 30%

Li-ion Battery Pack in Treo Phone (P/N: 157-10014-00)

Communication System: PCS CDMA
Frequency: 1880.00 MHz; Channel 600; Duty Cycle: 1:1
RF Output Power: 23.8 dBm (Conducted)
Medium: M1880 ($\sigma = 1.58$ mho/m; $\epsilon_r = 50.9$; $\rho = 1000$ kg/m³)

Communication System: DSSS WLAN
Frequency: 2437 MHz; Channel 6; Duty Cycle: 1:1
RF Output Power: 14.7 dBm (Conducted)
Medium: M2450 ($\sigma = 2.01$ mho/m; $\epsilon_r = 50.3$; $\rho = 1000$ kg/m³)

- Probe: ET3DV6 - SN1387; ConvF(4.75, 4.75, 4.75) & ConvF(4.3, 4.3, 4.3); Calibrated: 18/03/2005
- Sensor-Surface: 4mm (Mechanical And Optical Surface Detection)
- Electronics: DAE3 Sn370; Calibrated: 25/01/2005
- Phantom: SAM 4.0; Type: Fiberglas; Serial: 1033
- Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 146

Multi-Band Grid Summation:

SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.328 mW/g

