

|                                                                                   |                         |                      |                  |                                 |
|-----------------------------------------------------------------------------------|-------------------------|----------------------|------------------|---------------------------------|
|  | Test Report Serial No.: | 082205O8F-T664-S24CW | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:      | Oct. 01, 2005        | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:    | RF Exposure          | SAR              | FCC §2.1093 IC RSS-102          |

## APPENDIX A - SAR MEASUREMENT DATA

|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Right Ear - Cheek/Touch Position - Channel 6 - Area/Zoom Scan

**DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTV03Q5H055**

Ambient Temp: 24.8 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 102.9 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: 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 - Cheek/Touch Position - Mid Channel/Area Scan (7x11x1):**

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

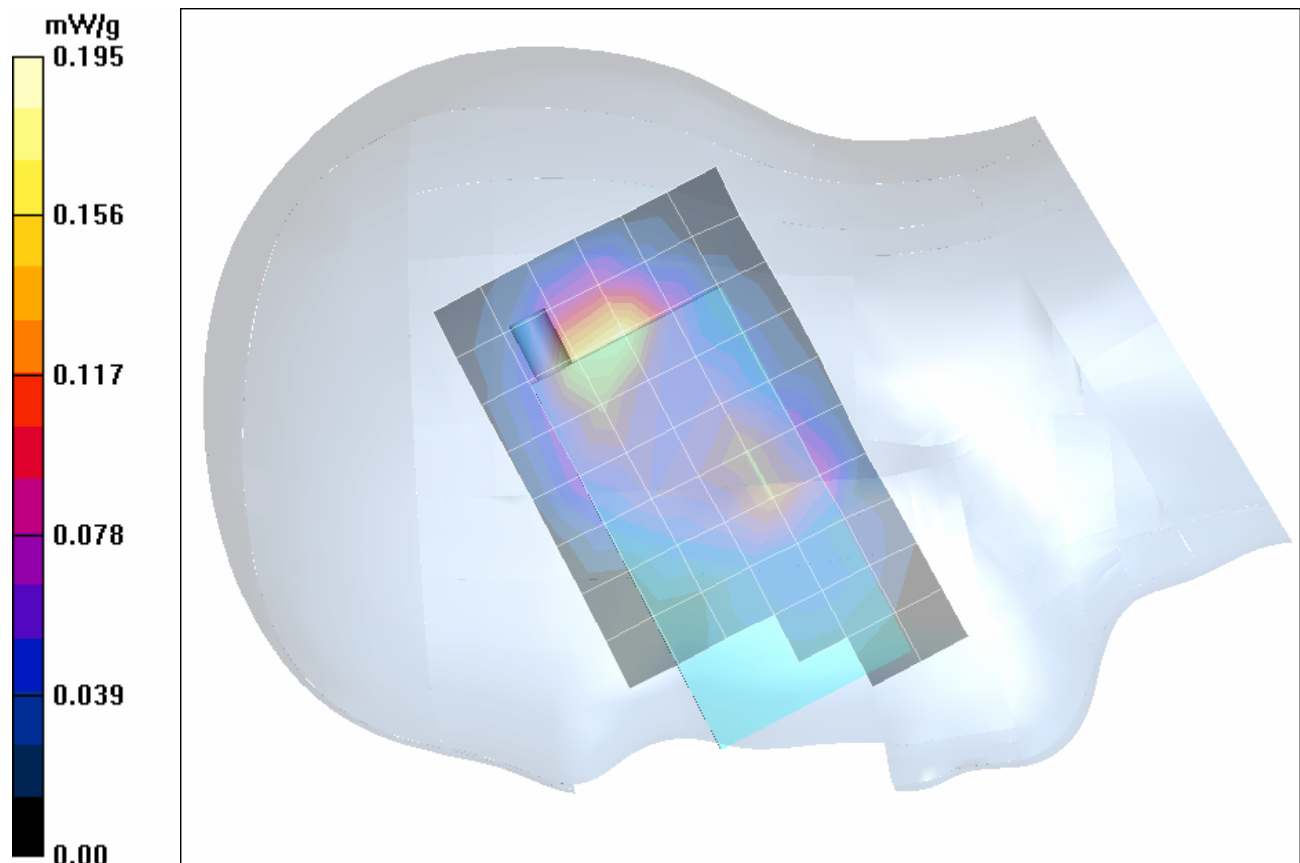
**Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Cheek/Touch Position - Mid Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 8.31 V/m; Power Drift = 0.0101 dB

Peak SAR (extrapolated) = 0.357 W/kg

**SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.090 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

## Head SAR - 802.11b WLAN SDIO - Right Ear - Cheek/Touch Position - Channel 1 - Area/Zoom Scan

**DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTV03Q5H055**

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 - Cheek/Touch Position - Low Channel/Area Scan (7x11x1):

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

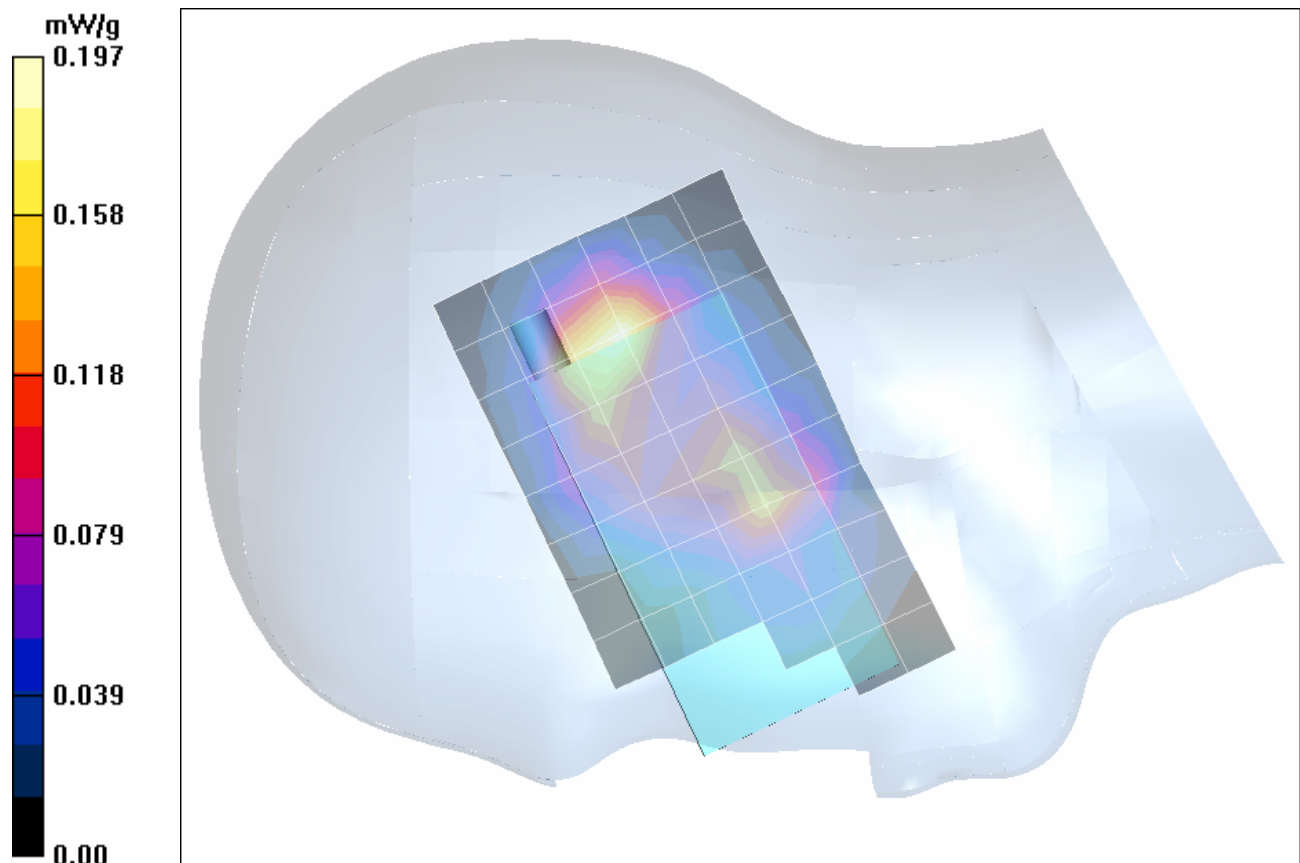
### Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Cheek/Touch Position - Low Channel/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 8.82 V/m; Power Drift = -0.0254 dB

Peak SAR (extrapolated) = 0.361 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.095 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Right Ear - Cheek/Touch Position - Channel 11 - Area/Zoom Scan

**DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTV03Q5H055**

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

Communication System: DSSS WLAN

RF Output Power: 14.2 dBm (Conducted)

Frequency: 2462 MHz; Channel 11; 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 - Cheek/Touch Position - High Channel/Area Scan (7x11x1):**

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

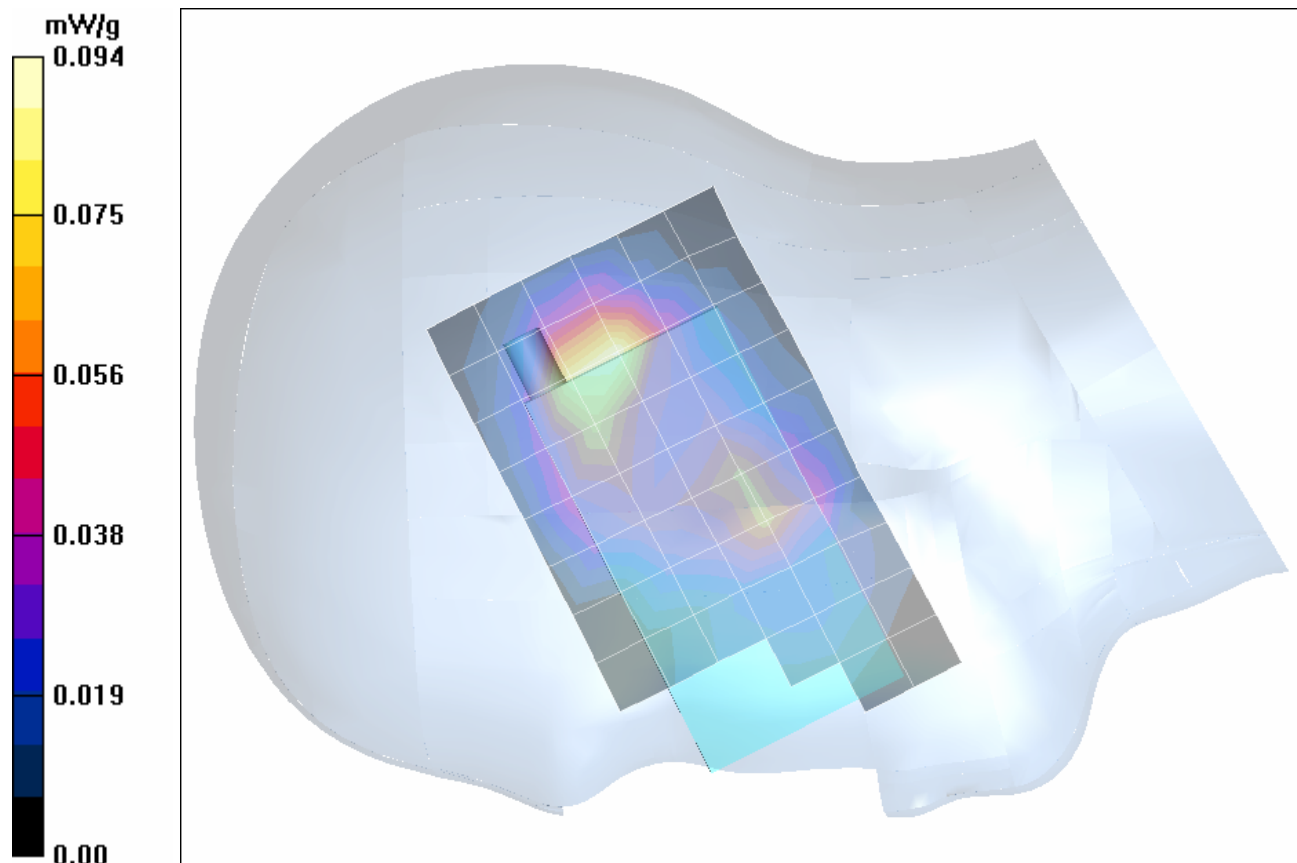
**Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Cheek/Touch Position - High Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 6.04 V/m; Power Drift = -0.177 dB

Peak SAR (extrapolated) = 0.178 W/kg

**SAR(1 g) = 0.0869 mW/g; SAR(10 g) = 0.045 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

## Head SAR - 802.11b WLAN SDIO - Right Ear - Cheek/Touch Position - Channel 1 - Volume Scan

**DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTV03Q5H055**

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 - Cheek/Touch Position - Low Channel/Volume Scan (9x13x7):

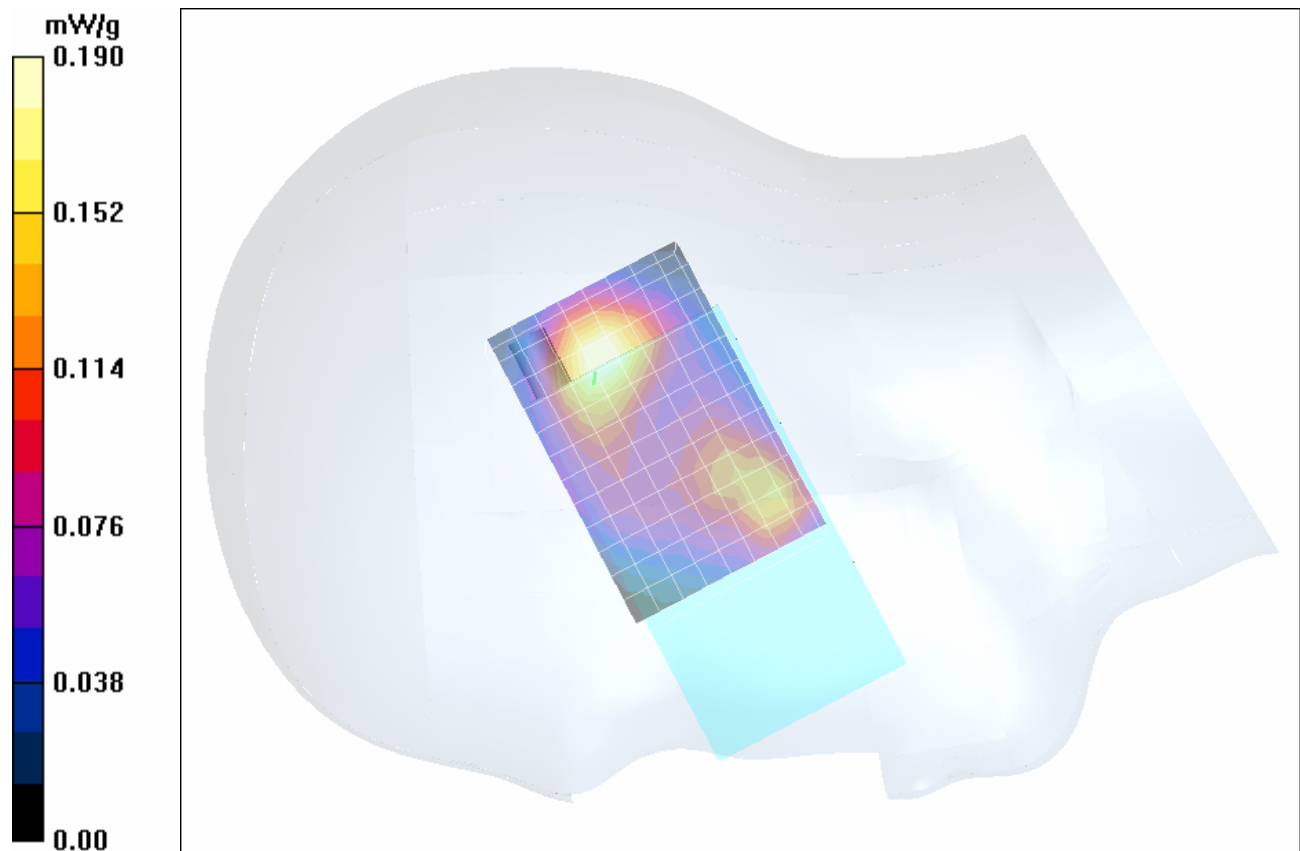
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.46 V/m; Power Drift = 0.0475 dB

Peak SAR (extrapolated) = 0.367 W/kg

**SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.095 mW/g**

Total Absorbed Power = 0.00629559 W



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Right Ear - Tilt Position (15°) - Channel 6 - Area/Zoom 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: 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: 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°) - Mid Channel/Area Scan (7x11x1):**

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

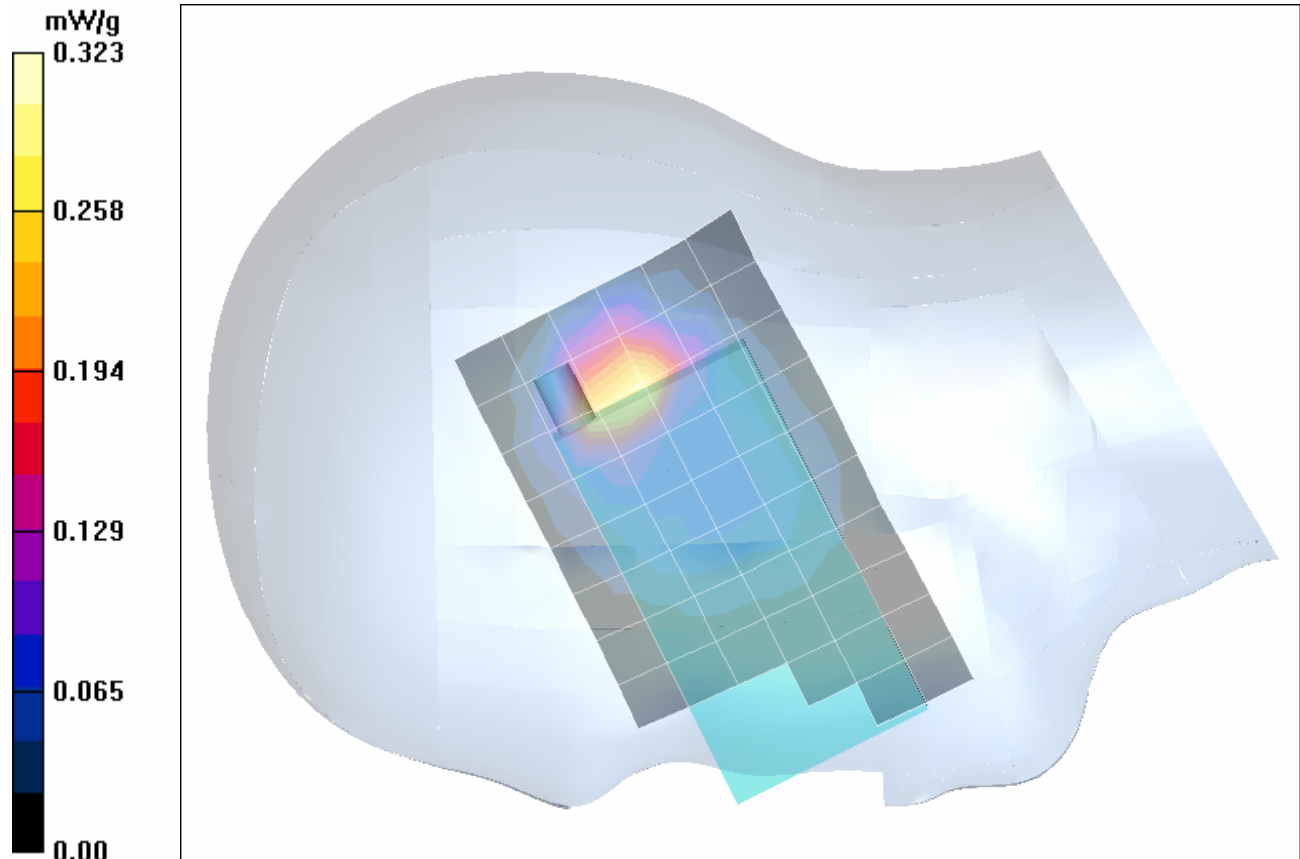
**Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Tilt Position (15°) - Mid Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 9.18 V/m; Power Drift = -0.0402 dB

Peak SAR (extrapolated) = 0.584 W/kg

**SAR(1 g) = 0.292 mW/g; SAR(10 g) = 0.143 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

## Head SAR - 802.11b WLAN SDIO - Right Ear - Tilt Position (15°) - Channel 1 - Area/Zoom 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 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 37.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>)

- 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/Area Scan (7x11x1):

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

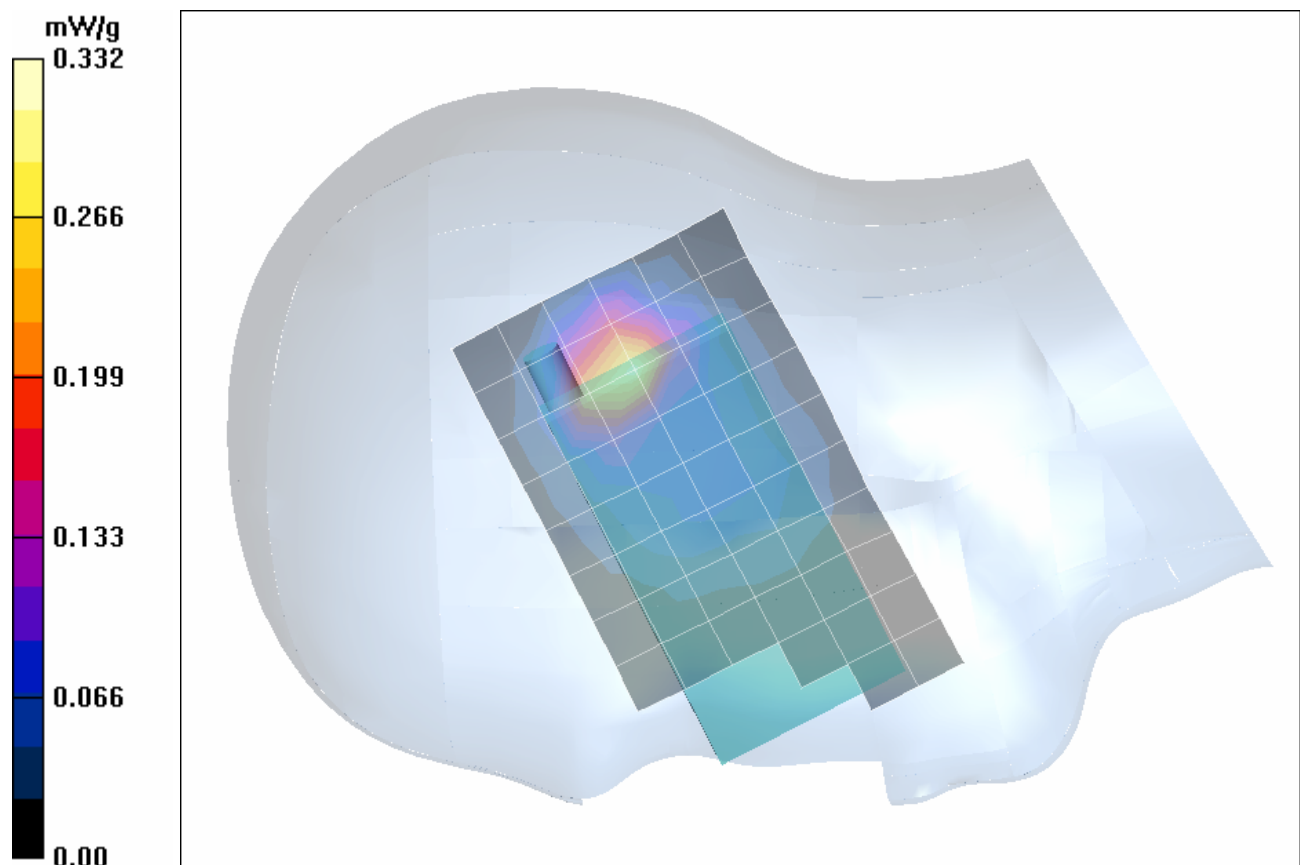
### Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Tilt Position (15°) - Low Channel/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 9.34 V/m; Power Drift = -0.0158 dB

Peak SAR (extrapolated) = 0.582 W/kg

**SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.146 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Right Ear - Tilt Position (15°) - Channel 11 - Area/Zoom 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: 14.2 dBm (Conducted)

Frequency: 2462 MHz; Channel 11; Duty Cycle: 1:1

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

Medium: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 37.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>)

- 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°) - High Channel/Area Scan (7x11x1):**

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

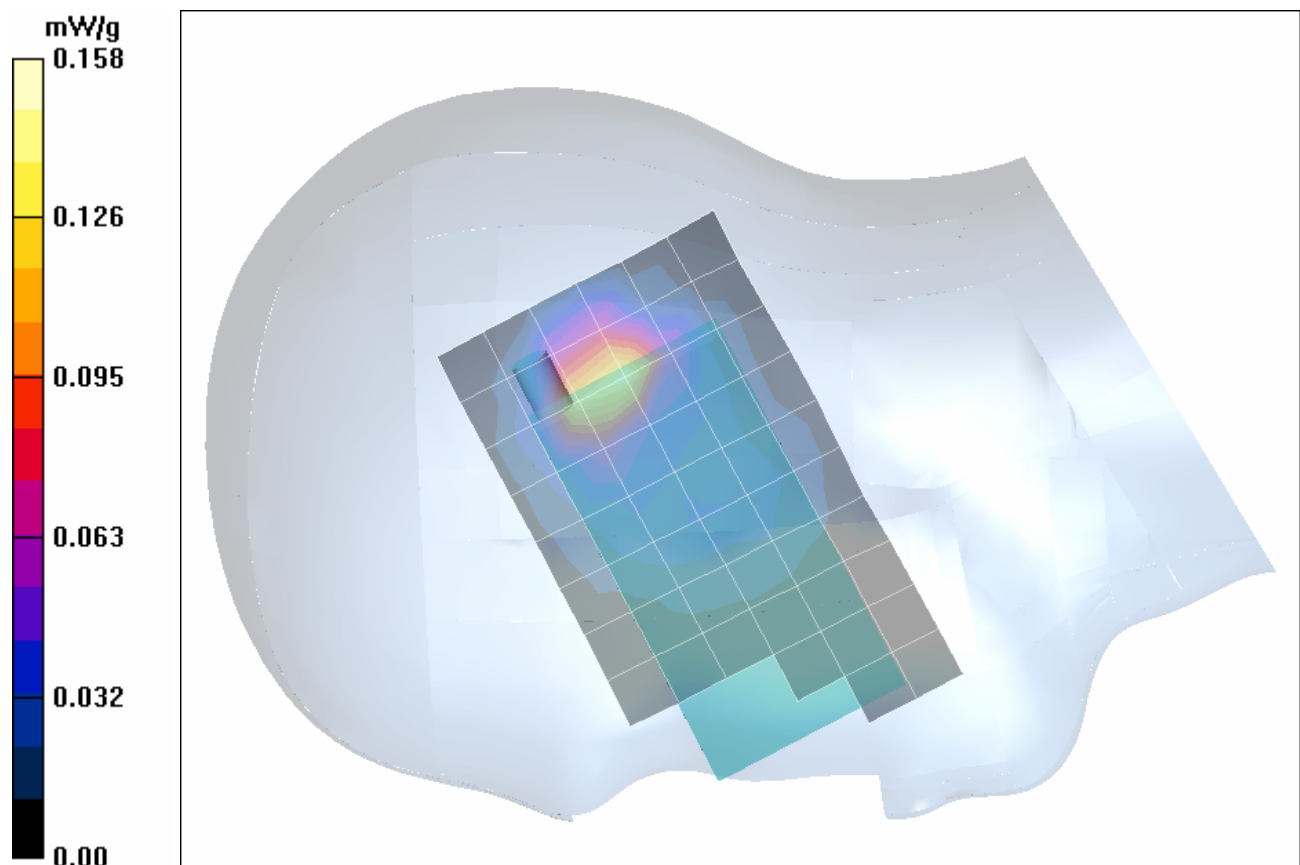
**Head SAR - 802.11b SDIO in Treo XXX Phone - Right Ear - Tilt Position (15°) - High Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 6.52 V/m; Power Drift = -0.0641 dB

Peak SAR (extrapolated) = 0.287 W/kg

**SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.070 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

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):

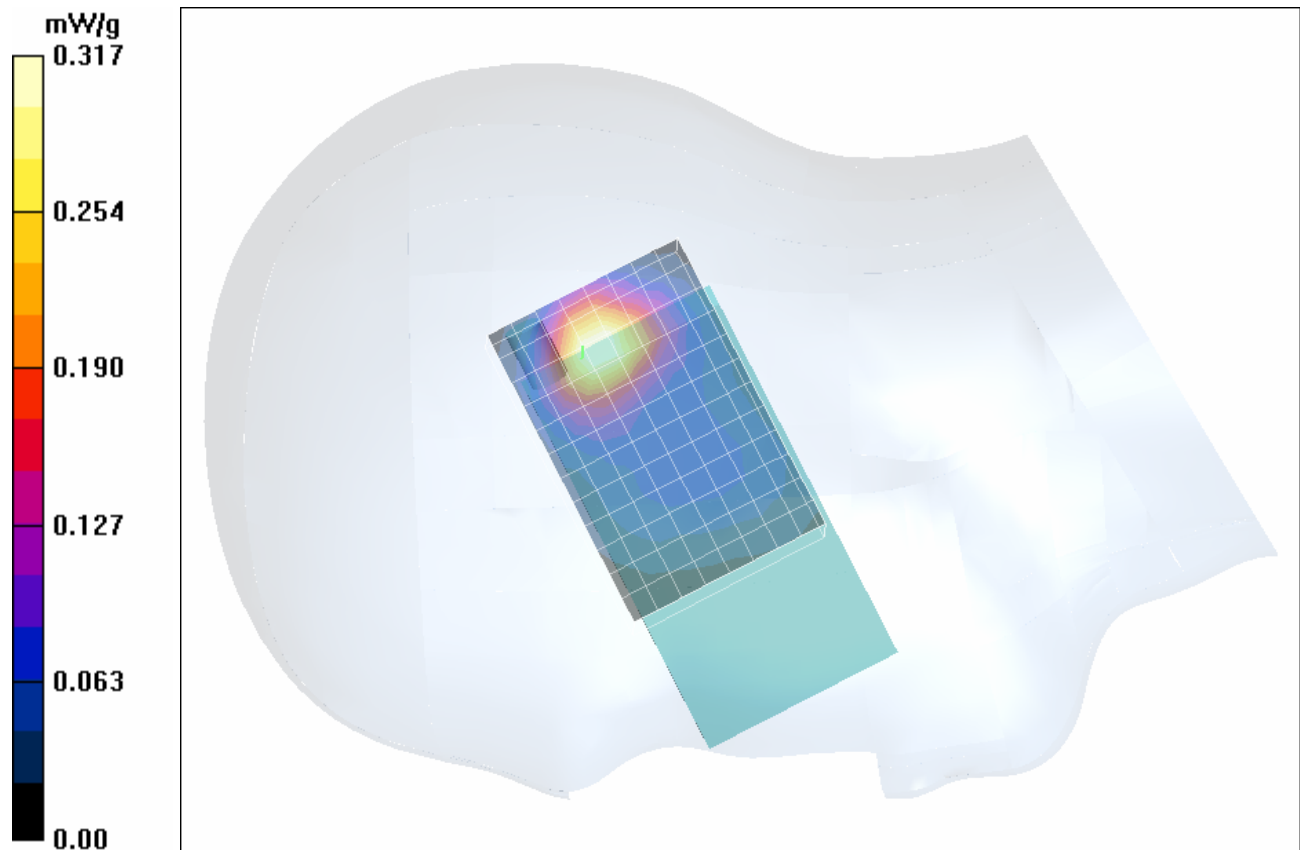
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

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**

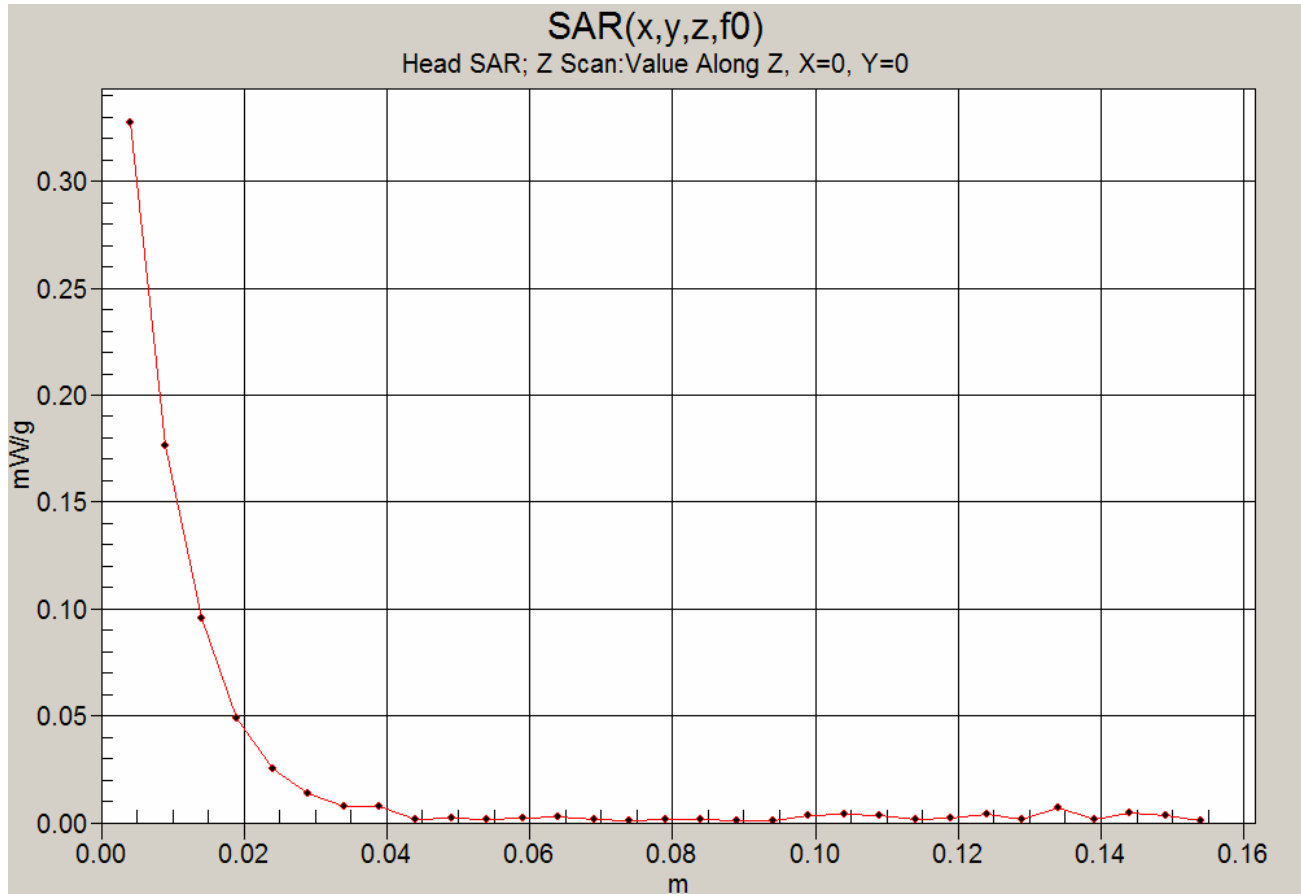
Total Absorbed Power = 0.00614085 W



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|-----------------------------------------------------------------------------------|----------------------------------------------|---------------|------------------|---------------------------------|
|  | Test Report Serial No.: 082205O8F-T664-S24CW |               | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

## Z-Axis Scan



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|-----------------------------------------------------------------------------------|----------------------------------------------|---------------|------------------|---------------------------------|
|  | Test Report Serial No.: 08220508F-T664-S24CW |               | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Left Ear - Cheek/Touch Position - Channel 6 - Area/Zoom Scan

**DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTV03Q5H055**

Ambient Temp: 24.8 °C; Fluid Temp: 23.3 °C; Barometric Pressure: 102.9 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: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 37.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>)

- 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 - Left Ear - Cheek/Touch Position - Mid Channel/Area Scan (7x11x1):**

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

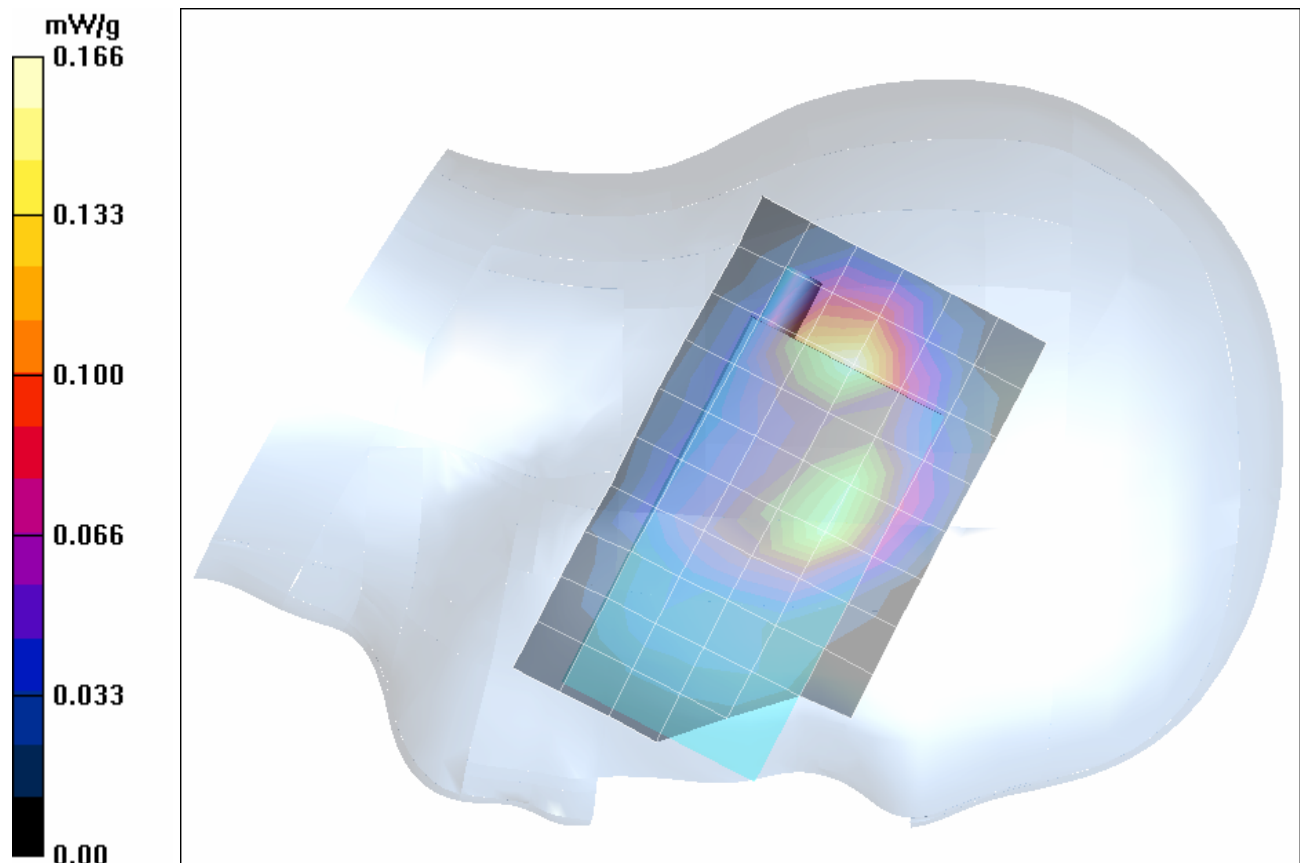
**Head SAR - 802.11b SDIO in Treo XXX Phone - Left Ear - Cheek/Touch Position - Mid Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 8.18 V/m; Power Drift = -0.0749 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.153 mW/g; SAR(10 g) = 0.080 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|-----------------------------------------------------------------------------------|----------------------------------------------|---------------|------------------|---------------------------------|
|  | Test Report Serial No.: 08220508F-T664-S24CW |               | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

## Head SAR - 802.11b WLAN SDIO - Left Ear - Cheek/Touch Position - Channel 1 - Area/Zoom 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 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 37.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>)

- 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 - Left Ear - Cheek/Touch Position - Low Channel/Area Scan (7x11x1):

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

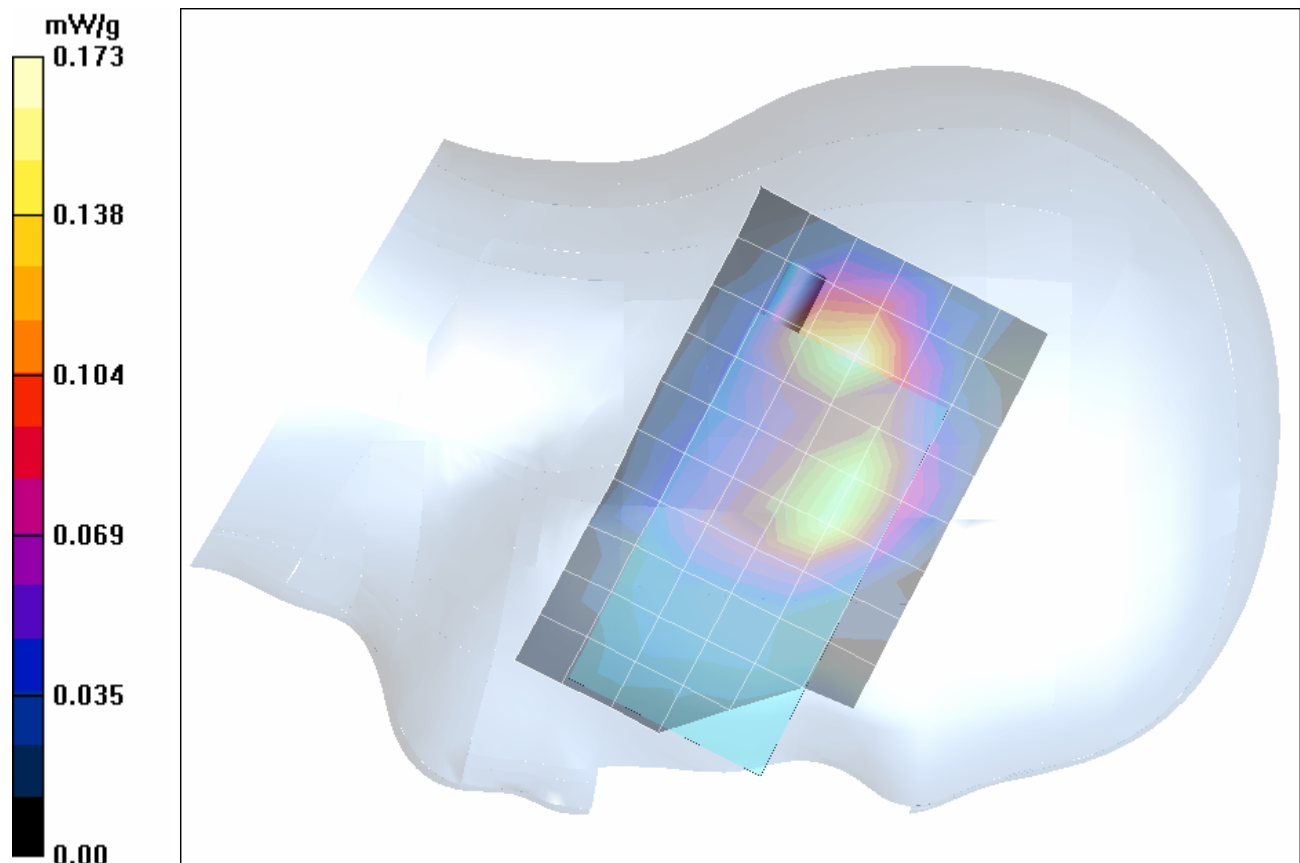
### Head SAR - 802.11b SDIO in Treo XXX Phone - Left Ear - Cheek/Touch Position - Low Channel/Zoom Scan (7x7x7)/Cube 0:

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

Reference Value = 8.44 V/m; Power Drift = -0.0342 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.159 mW/g; SAR(10 g) = 0.088 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|-----------------------------------------------------------------------------------|----------------------------------------------|---------------|------------------|---------------------------------|
|  | Test Report Serial No.: 08220508F-T664-S24CW |               | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Left Ear - Cheek/Touch Position - Channel 11 - Area/Zoom 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: 14.2 dBm (Conducted)

Frequency: 2462 MHz; Channel 11; 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 - Left Ear - Cheek/Touch Position - High Channel/Area Scan (7x11x1):**

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

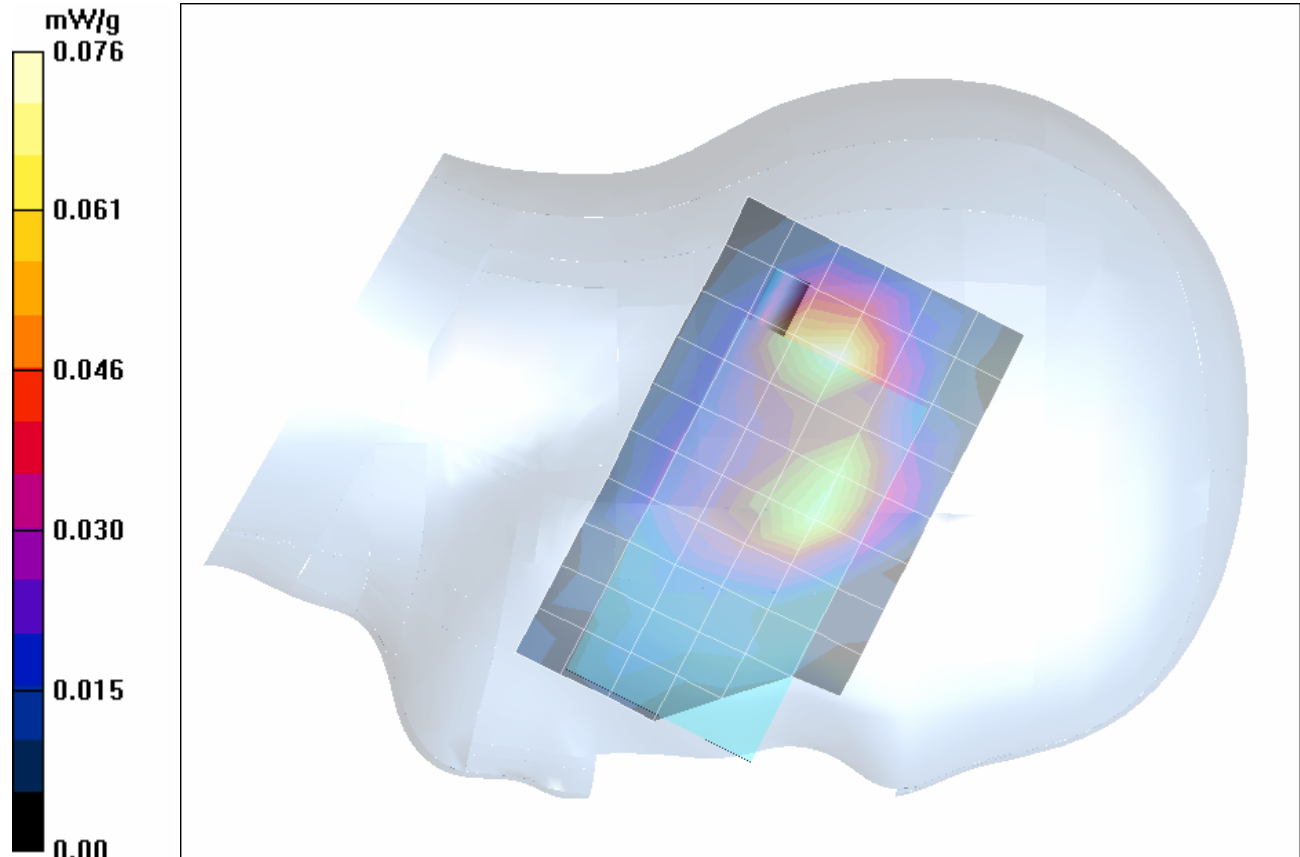
**Head SAR - 802.11b SDIO in Treo XXX Phone - Left Ear - Cheek/Touch Position - High Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 5.72 V/m; Power Drift = -0.0664 dB

Peak SAR (extrapolated) = 0.115 W/kg

**SAR(1 g) = 0.0677 mW/g; SAR(10 g) = 0.035 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|-----------------------------------------------------------------------------------|----------------------------------------------|---------------|------------------|---------------------------------|
|  | Test Report Serial No.: 08220508F-T664-S24CW |               | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

## Head SAR - 802.11b WLAN SDIO - Left Ear - Cheek/Touch Position - Channel 1 - Volume Scan

**DUT: Palm Inc. Model: Treo XXX; Type: Portable Dual-Band CDMA 2000 Phone with 802.11b & Bluetooth; Serial: PTV03Q5H055**

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 - Left Ear - Cheek/Touch Position - Low Channel/Volume Scan (9x13x7):

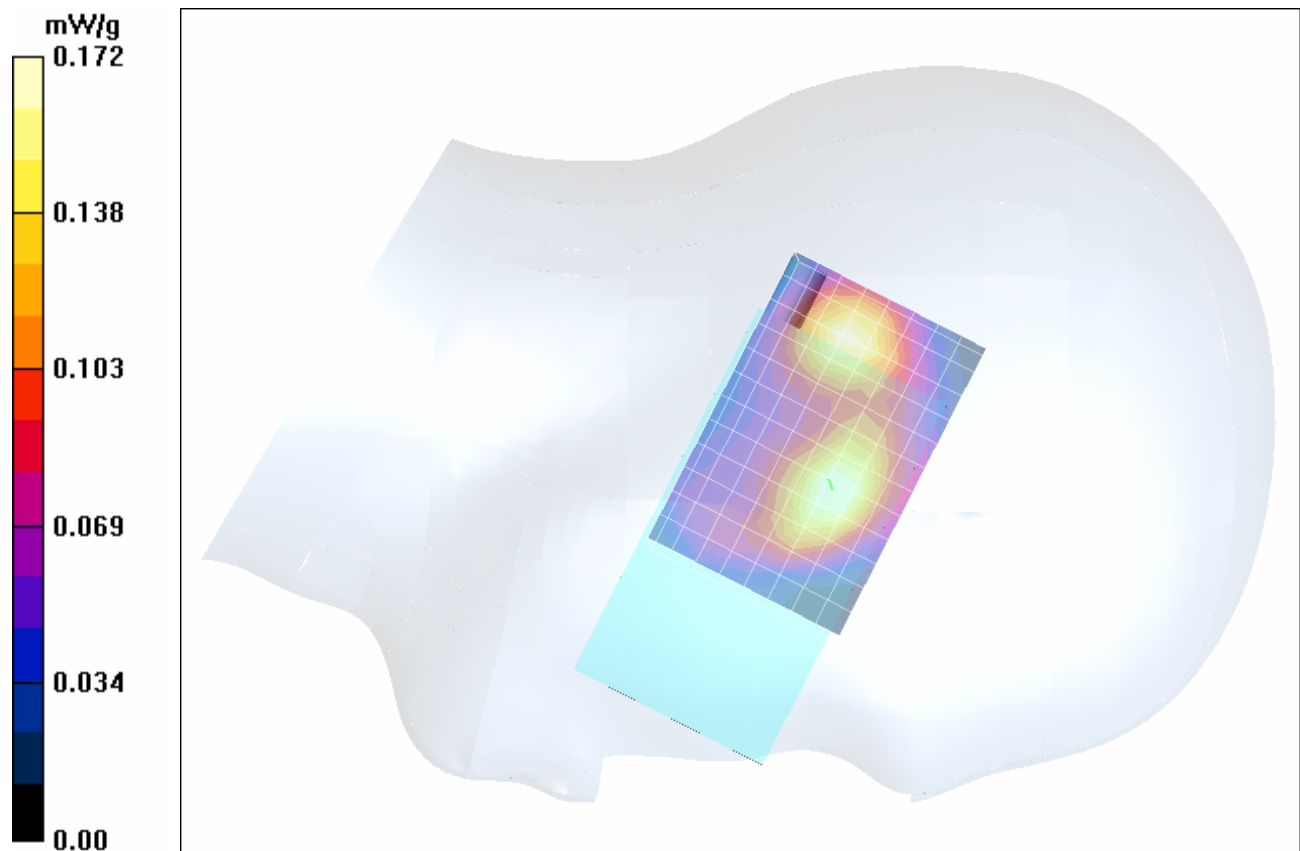
Measurement grid: dx=7.5mm, dy=7.5mm, dz=5mm

Reference Value = 8.24 V/m; Power Drift = -0.102 dB

Peak SAR (extrapolated) = 0.272 W/kg

**SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.095 mW/g**

Total Absorbed Power = 0.00582471 W



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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|-----------------------------------------------------------------------------------|----------------------------------------------|---------------|------------------|---------------------------------|
|  | Test Report Serial No.: 08220508F-T664-S24CW |               | Report Rev. No.: | Revision 0                      |
|                                                                                   | Report Issue Date:                           | Oct. 01, 2005 | Test Date(s):    | May 26, August 22-26 & 30, 2005 |
|                                                                                   | Description of Test:                         | RF Exposure   | SAR              | FCC §2.1093 IC RSS-102          |

Date Tested: 05/26/2005

Head SAR - 802.11b WLAN SDIO - Left Ear - Tilt Position (15°) - Channel 6 - Area/Zoom 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: 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: HSL2450 ( $\sigma = 1.85$  mho/m,  $\epsilon_r = 37.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>)

- 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 - Left Ear - Tilt Position (15°) - Mid Channel/Area Scan (7x11x1):**

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

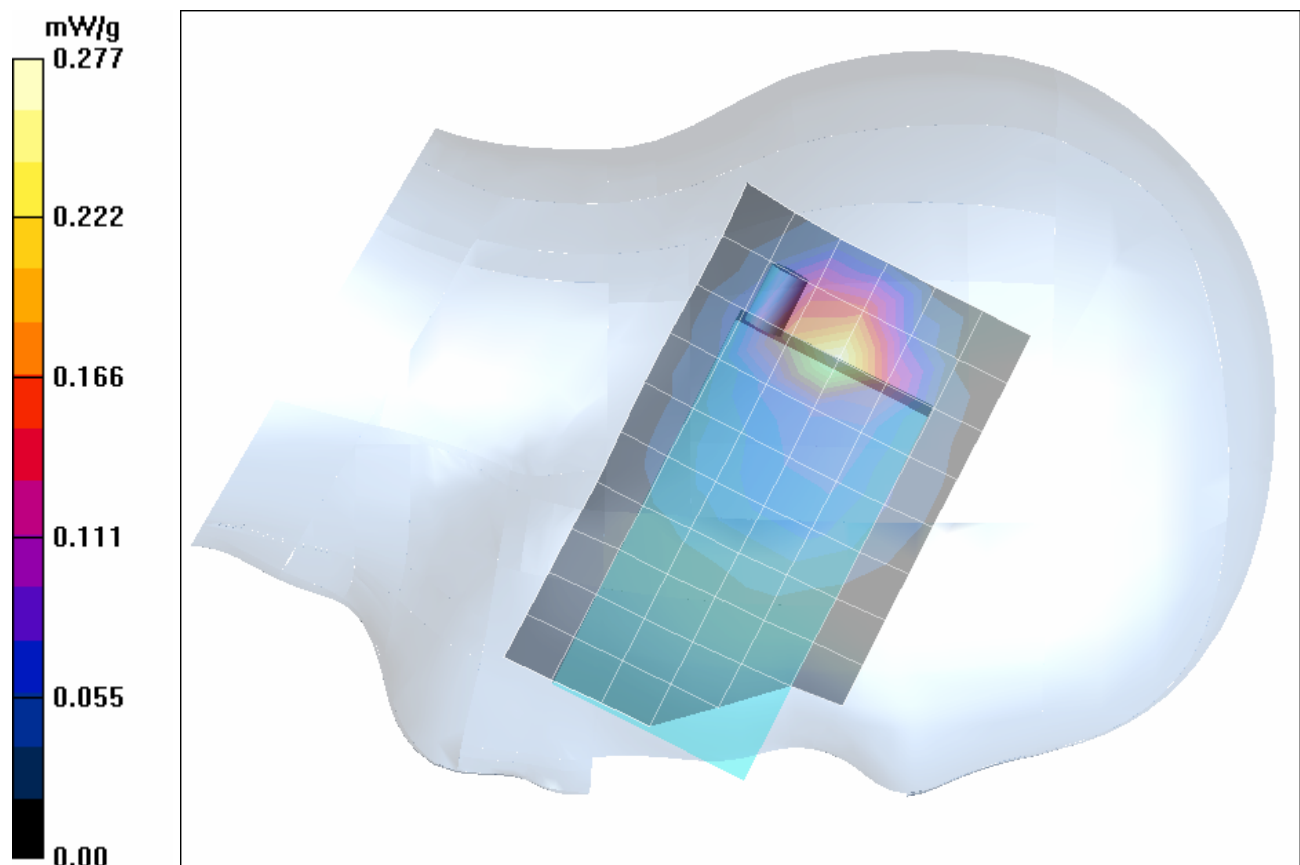
**Head SAR - 802.11b SDIO in Treo XXX Phone - Left Ear - Tilt Position (15°) - Mid Channel/Zoom Scan (7x7x7)/Cube 0:**

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

Reference Value = 9.08 V/m; Power Drift = -0.0294 dB

Peak SAR (extrapolated) = 0.474 W/kg

**SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.127 mW/g**



|                         |                                                                                           |                                                                                                                      |         |        |            |        |          |                                                                                       |
|-------------------------|-------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------|---------|--------|------------|--------|----------|---------------------------------------------------------------------------------------|
| Applicant:              | Palm, Inc.                                                                                | FCC ID:                                                                                                              | O8FJIMI | IC ID: | 3905A-JIMI | Model: | Treo XXX |  |
| DUT Type:               | Portable Dual-Band PCS/Cellular CDMA 2000 Phone with Bluetooth and 802.11b WLAN SDIO Card |                                                                                                                      |         |        |            |        |          |                                                                                       |
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