

ATTACHMENT O – SAR TEST PLOTS (3 of 4)

TX-180A

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39

 $\rho_{\text{ho/m}}$ ρ_r = 40.3 ρ_r = 1.00 g/cm³

Cube 5x5x7; SAR (1g): 1.04 mW/g, SAR (10g): 0.579 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.04 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

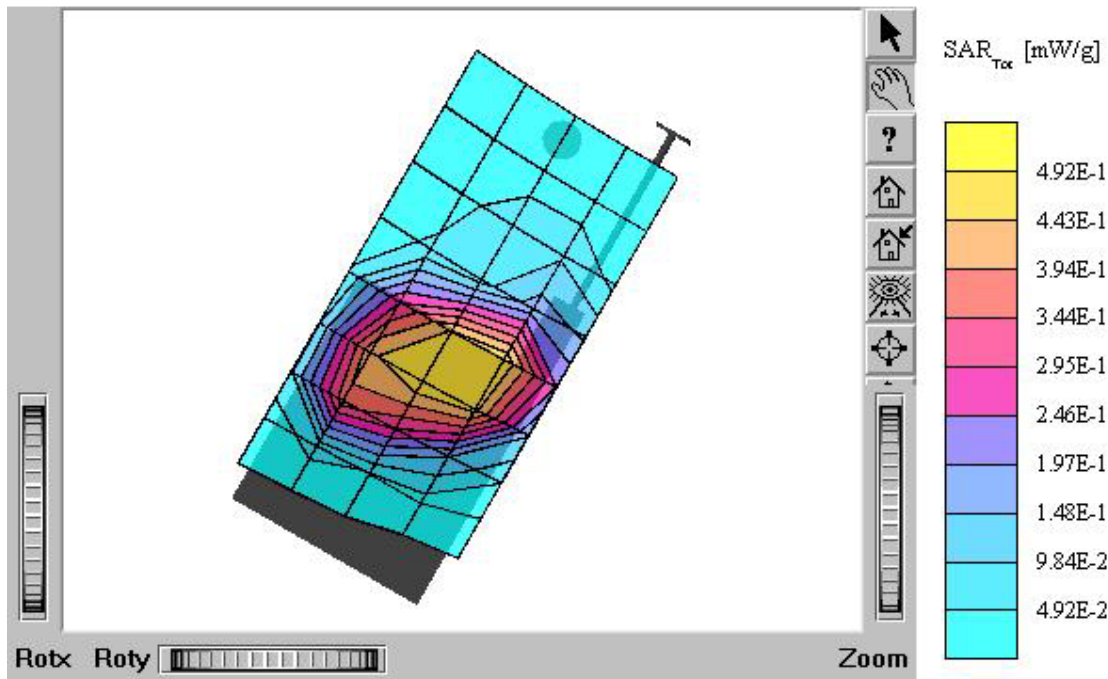
Test Position: Left Touch / Antenna: in

Mode: PCS CDMA / Channel: 25 (1851.25MHz)

Conducted Power : 25.0 dBm

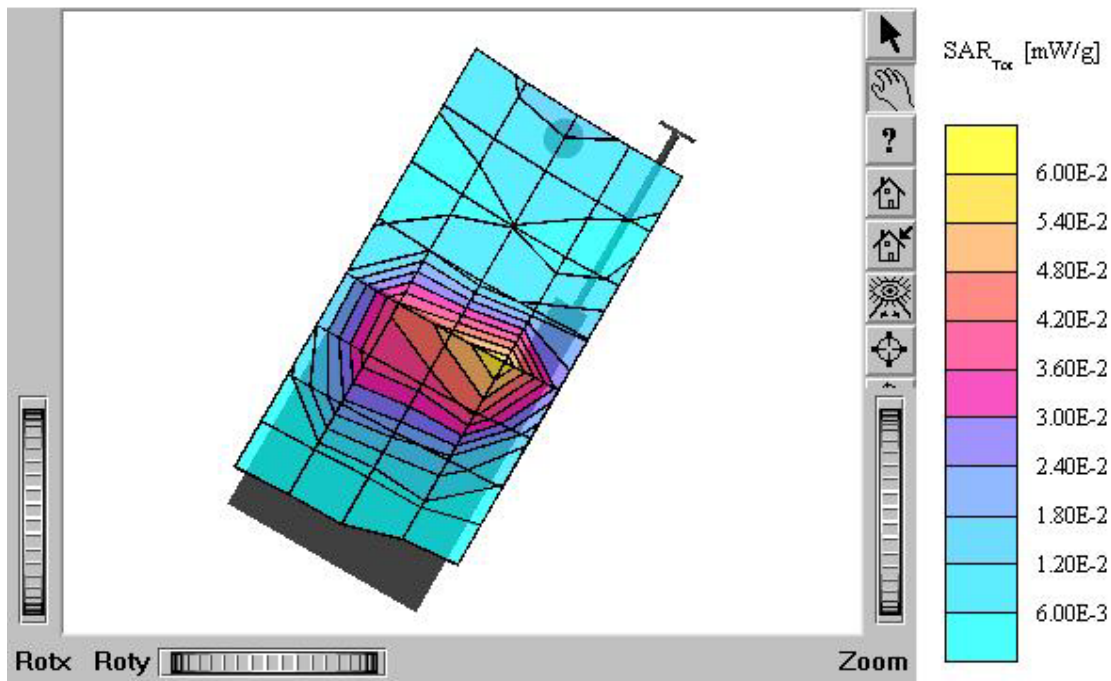
Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



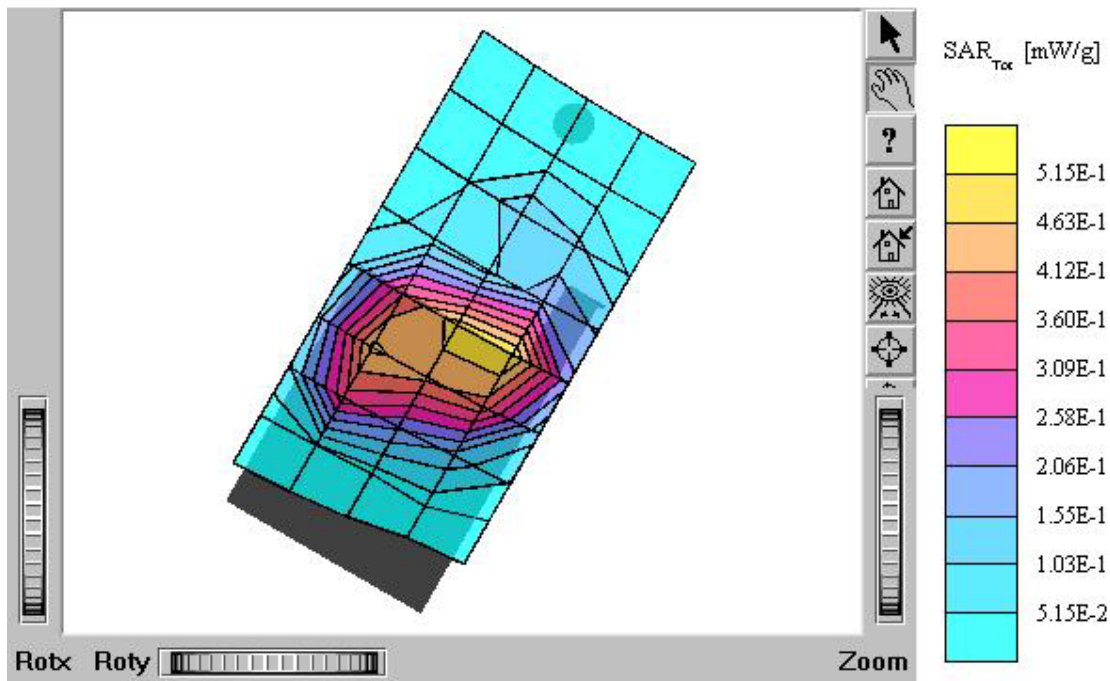
TX-180A

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39
rho/m ϵ_r = 40.3 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.142 mW/g, SAR (10g): 0.0785 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.22 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Left Touch / Antenna: out
Mode: PCS CDMA / Channel: 25 (1851.25MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



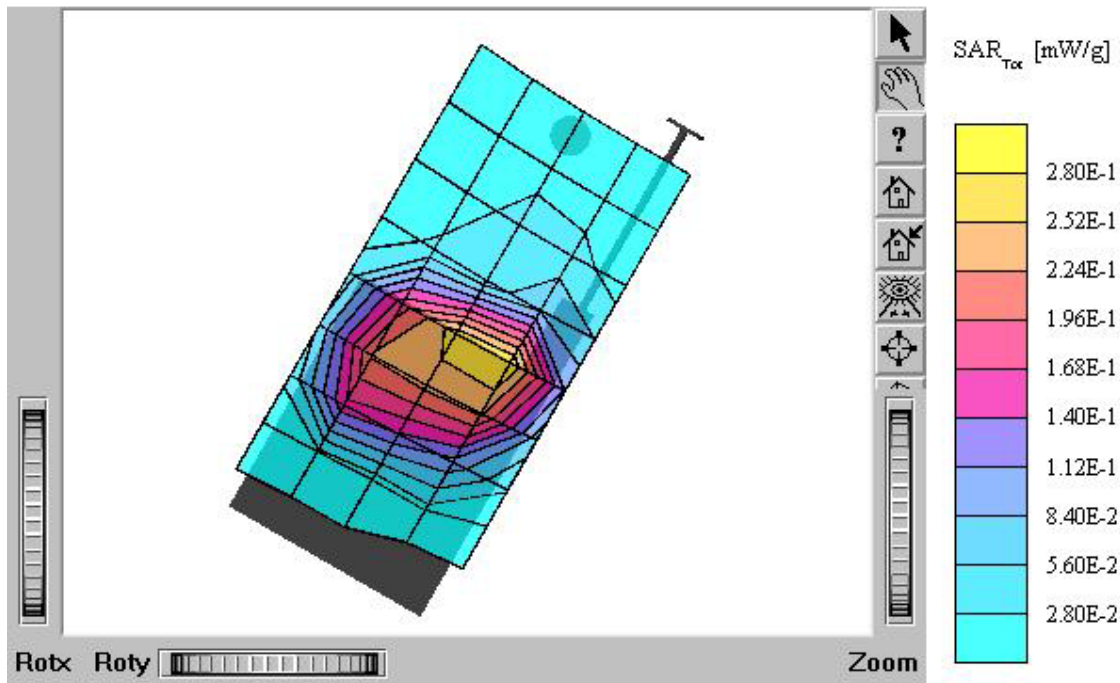
TX-180A

SAM II Phantom: Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$
 $\rho_{\text{ho}}/\text{m } \epsilon_r = 40.3$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.37 mW/g, SAR (10g): 0.760 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.21 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Left Touch / Antenna: in
Mode: PCS CDMA / Channel: 600 (1880.00MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$
 $\rho_{\text{ho/m}}$ $\epsilon_r = 40.3$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.696 mW/g, SAR (10g): 0.402 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.05 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Left Touch / Antenna: out
Mode: PCS CDMA / Channel: 600 (1880.00MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39
rho/m ϵ_r = 40.3 r = 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.944 mW/g, SAR (10g): 0.514 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.11 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

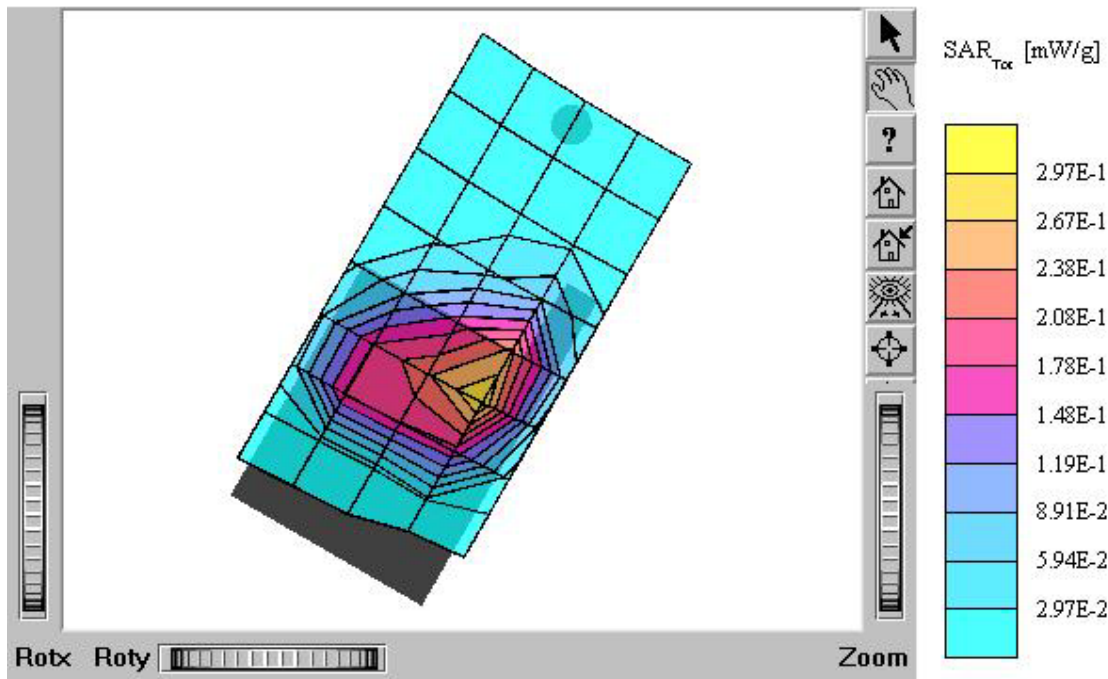
Test Position: Left Touch / Antenna: in

Mode: PCS CDMA / Channel: 1175 (1908.75MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39

$\rho_{\text{ho/m}}$ $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.428 mW/g, SAR (10g): 0.242 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.23 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

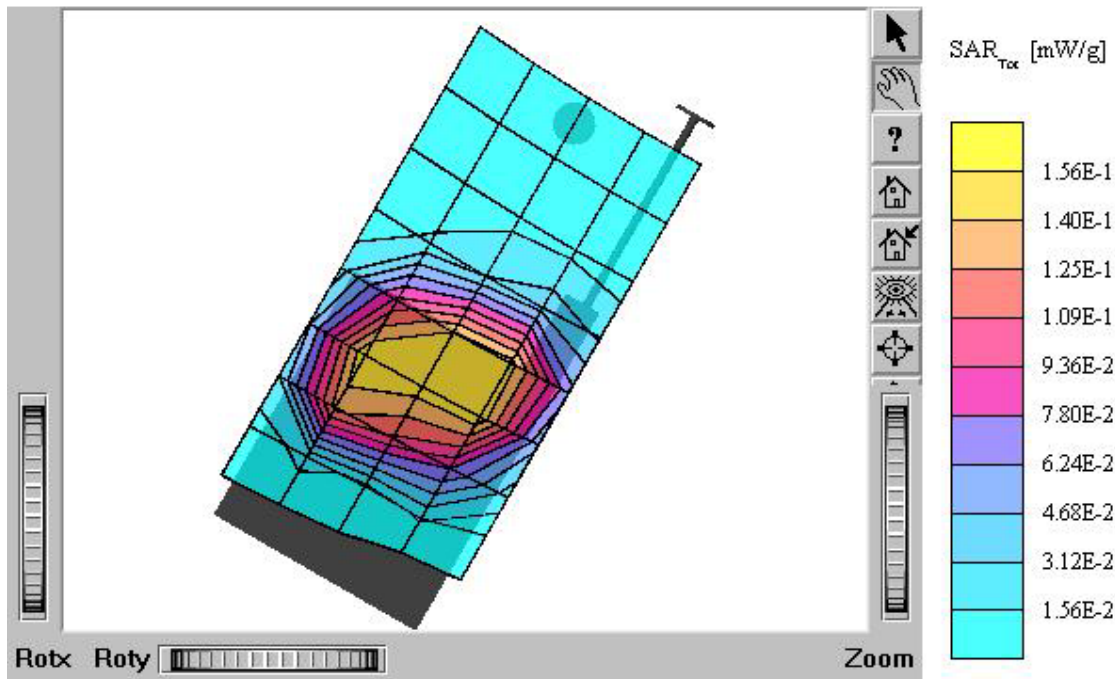
Test Position: Left Touch / Antenna: out

Mode: PCS CDMA / Channel: 1175 (1908.75MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Right Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$ ρ/m $\epsilon_r = 40.3$ $r = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.26 mW/g, SAR (10g): 0.699 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.05 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

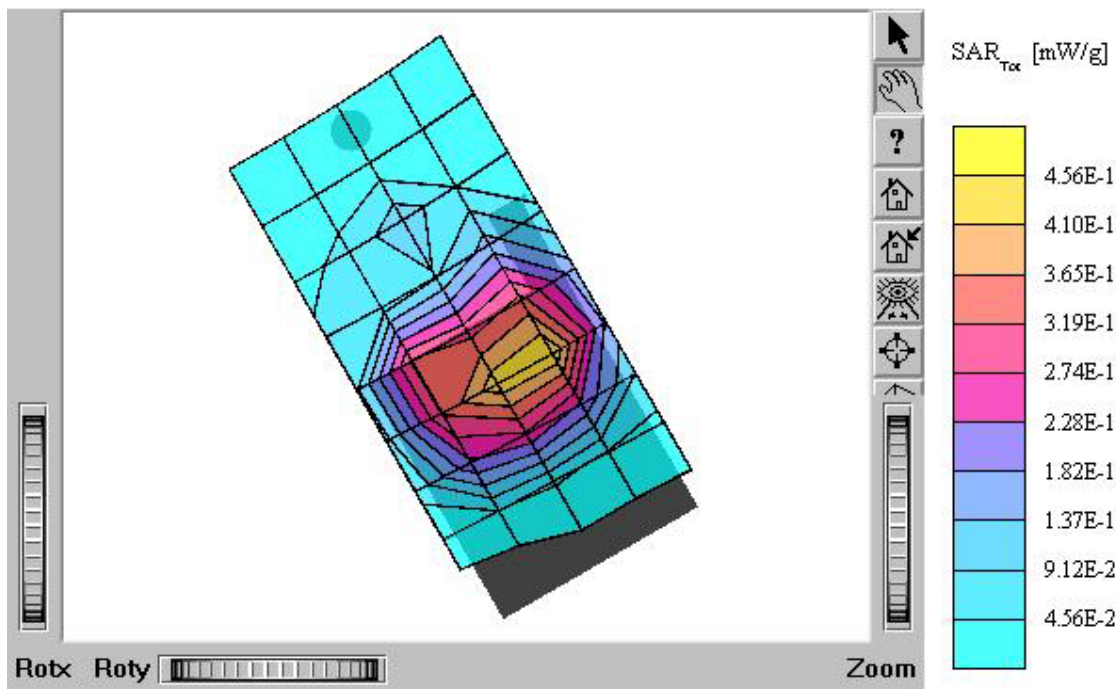
Test Position: Right Touch / Antenna: in

Mode: PCS CDMA / Channel: 25 (1851.25MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Right Hand [CRP] Section; Position: (90°, 180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34, 5.34, 5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$ $\rho_{\text{ho/m}}$, $\rho_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.660 mW/g, SAR (10g): 0.383 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.09 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

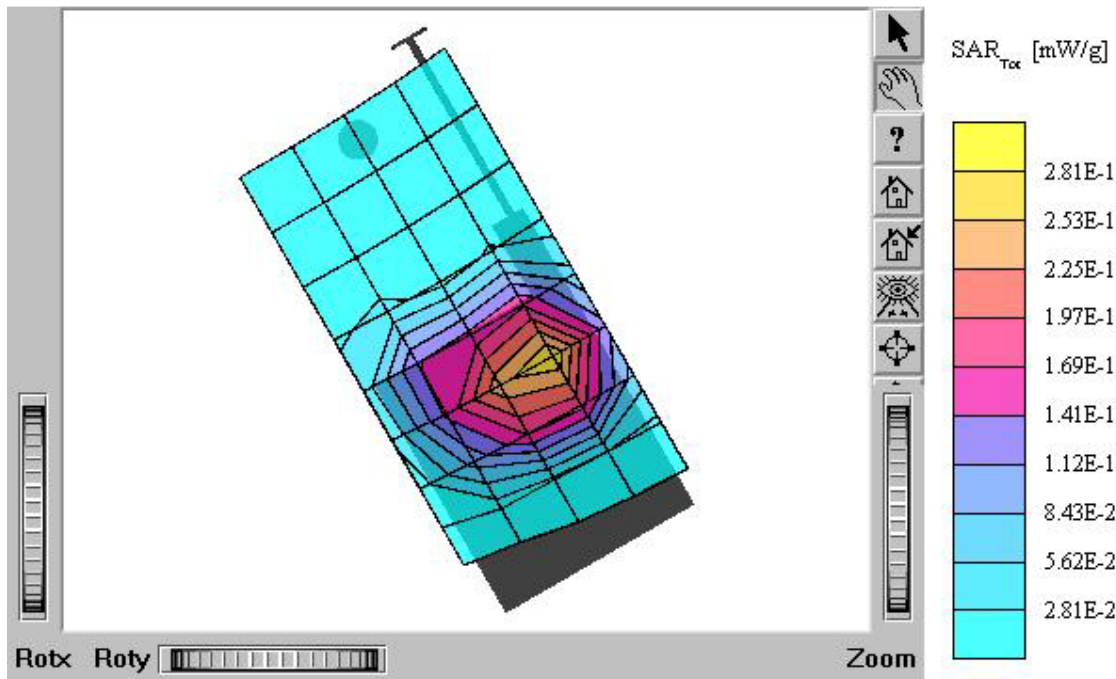
Test Position: Right Touch / Antenna: out

Mode: PCS CDMA / Channel: 25 (1851.25MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom; Right Hand [CRP] Section; Position: (90°, 180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34, 5.34, 5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$ $\rho_{\text{ho/m}}$, $\epsilon_r = 40.3$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.38 mW/g, SAR (10g): 0.768 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.16 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

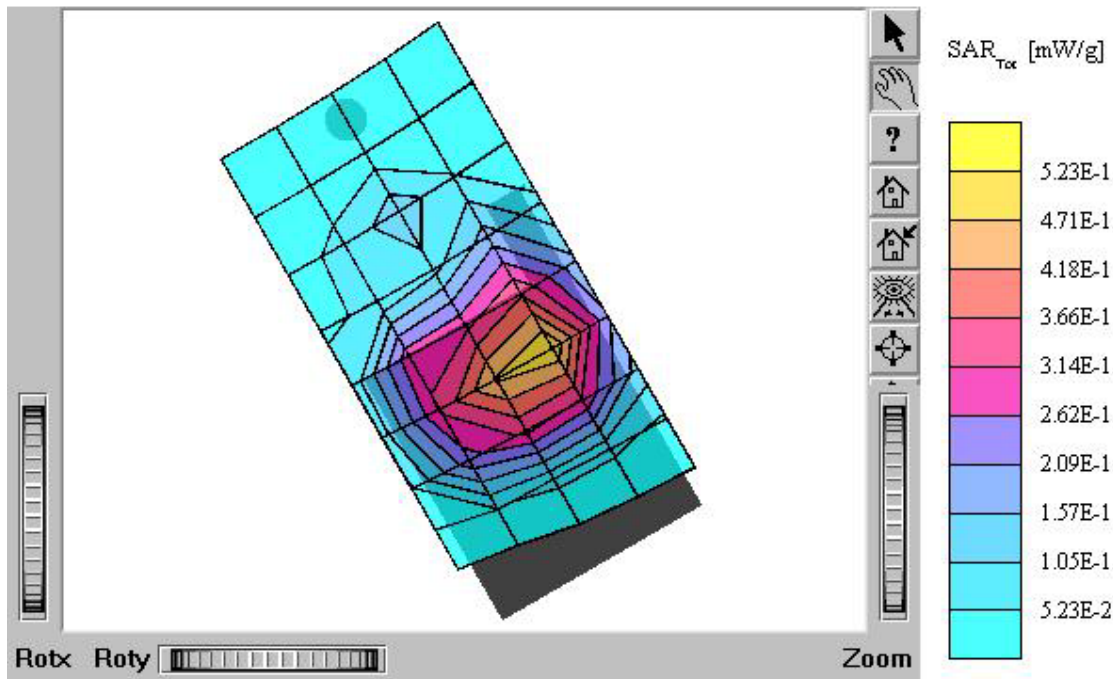
Test Position: Right Touch / Antenna: in

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Right Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$

$\rho_{\text{ho/m}}$ $\epsilon_r = 40.3$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.36 mW/g, SAR (10g): 0.745 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.18 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A (E-battery)

Company: Hyundai Curitel Inc.

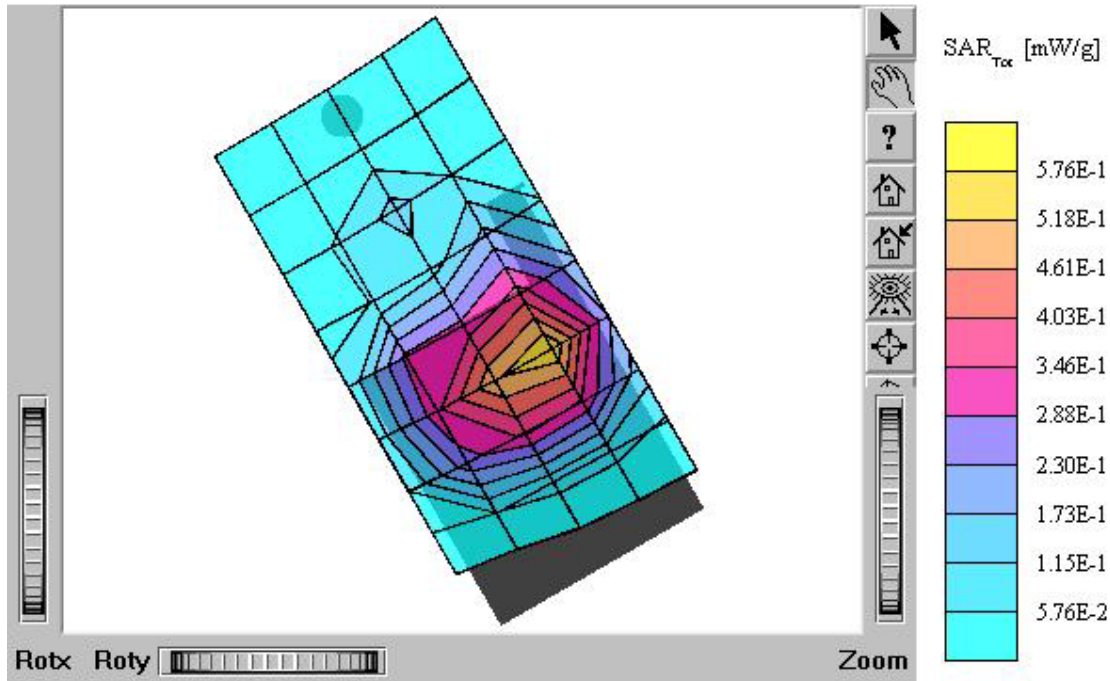
Test Position: Right Touch / Antenna: in

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Right Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$ $\rho_{\text{ho/m}}$ $\epsilon_r = 40.3$ $r = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.670 mW/g, SAR (10g): 0.389 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.21 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

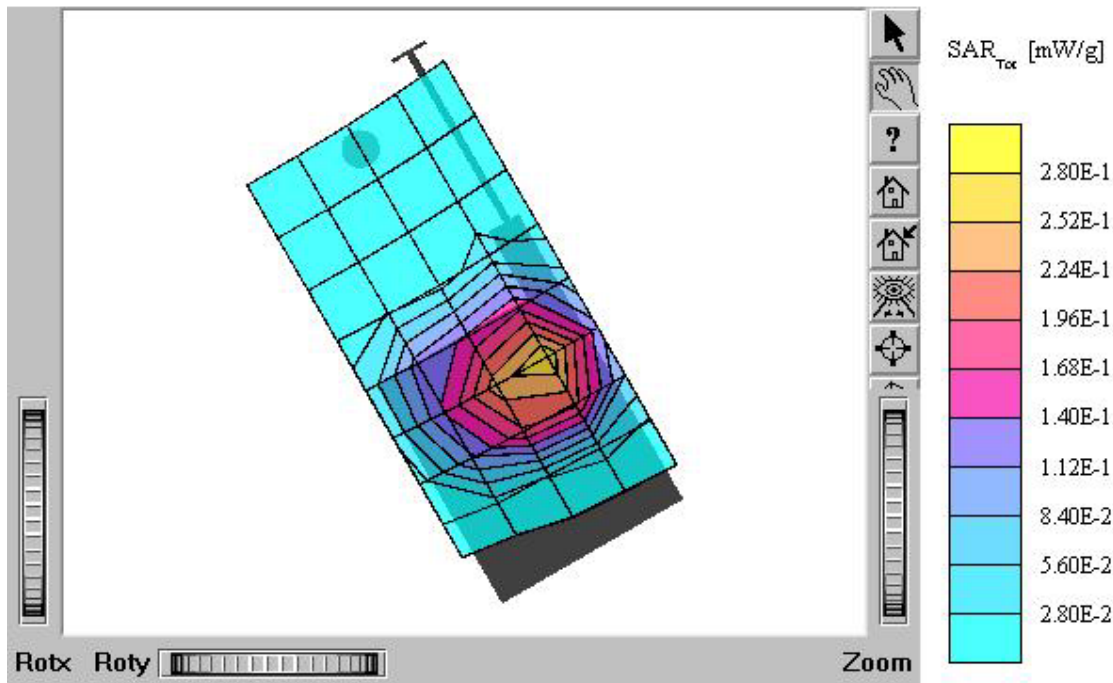
Test Position: Right Touch / Antenna: out

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$ $\rho_{\text{ho/m}}$, $\epsilon_r = 40.3$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 1.09 mW/g, SAR (10g): 0.585 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.22 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

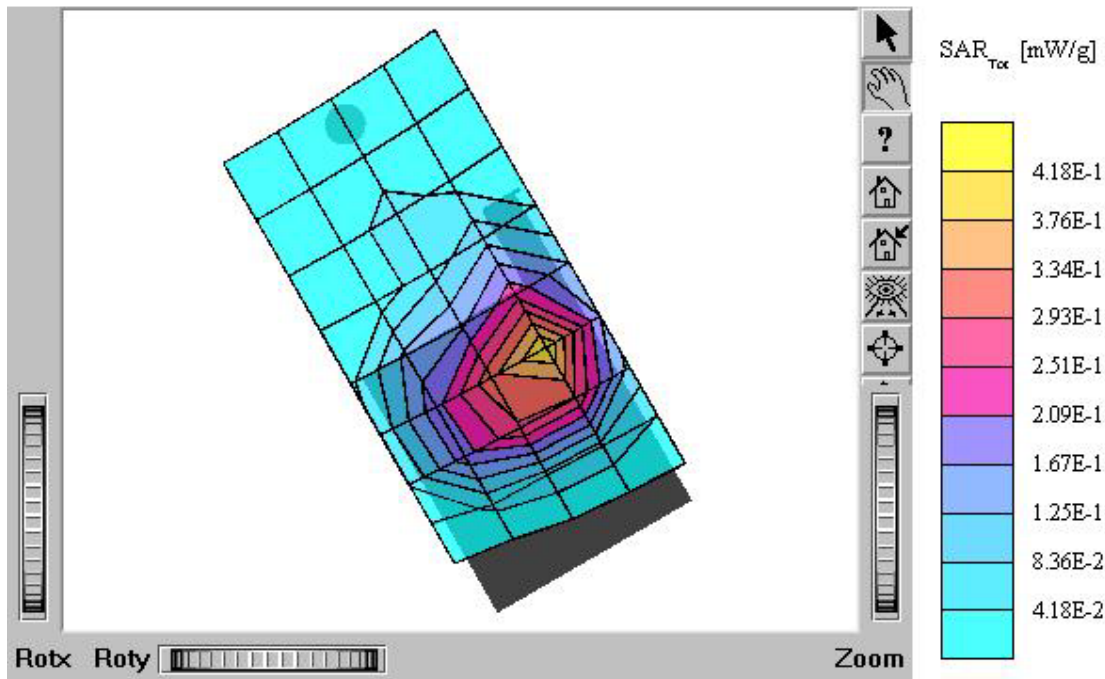
Test Position: Right Touch / Antenna: in

Mode: PCS CDMA / Channel: 1175 (1908.75MHz)

Conducted Power : 25.0 dBm

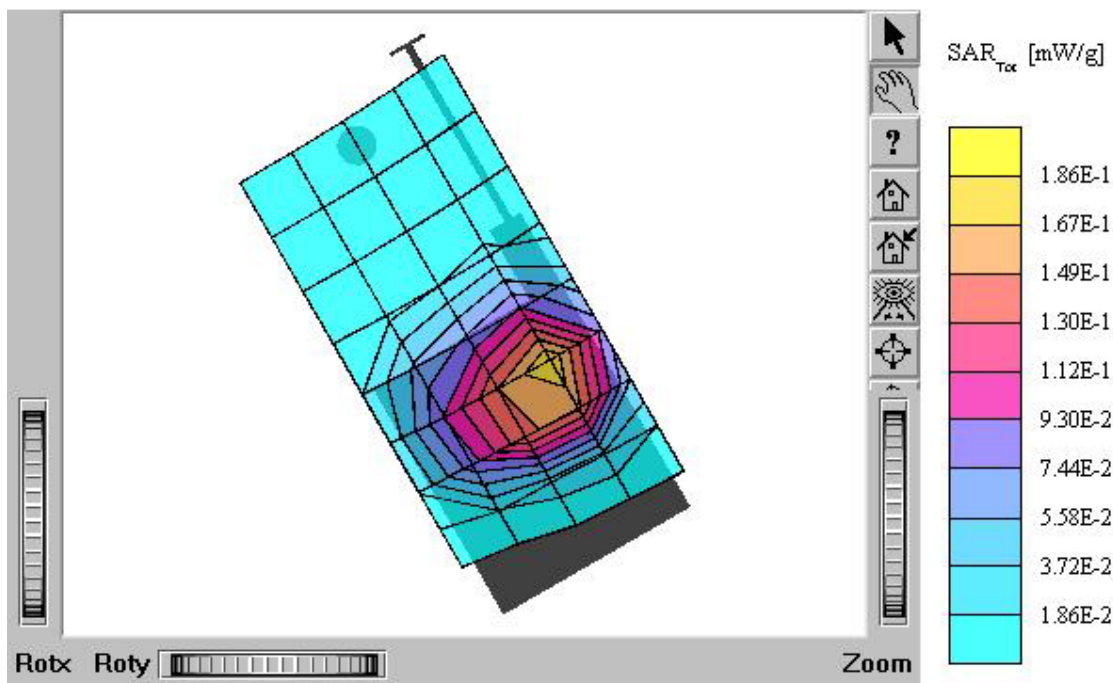
Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



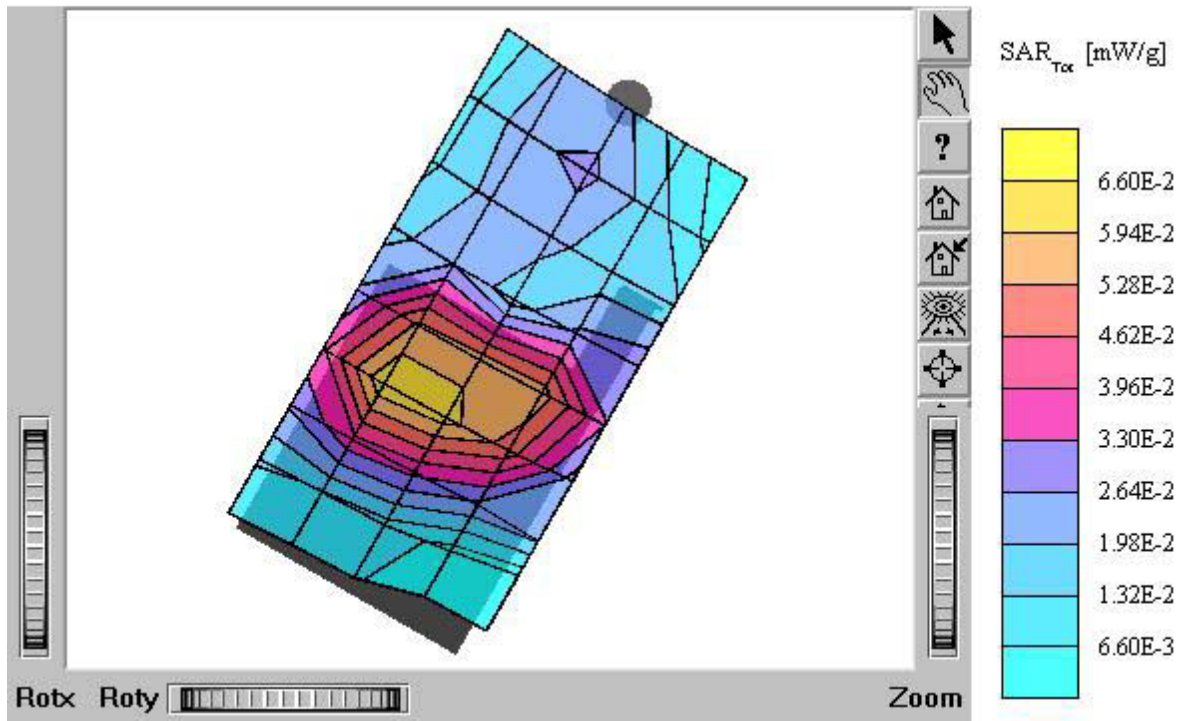
TX-180A

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39
rho/m ϵ_r = 40.3 r = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.473 mW/g, SAR (10g): 0.273 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.02 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Right Touch / Antenna: out
Mode: PCS CDMA / Channel: 1175 (1908.75MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



TX-180A

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: $s = 1.39$
 $\rho_{\text{ho/m}} e_r = 40.3$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.163 mW/g, SAR (10g): 0.104 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.19 dB
Comment:
FCC ID: PP4TX-180A / MODEL: TX-180A
Company: Hyundai Curitel Inc.
Test Position: Left Tilt 15° / Antenna: in
Mode: PCS CDMA / Channel: 600 (1880.00MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.7°C
Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39

rho/m ϵ_r = 40.3 r = 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.136 mW/g, SAR (10g): 0.0780 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.18 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

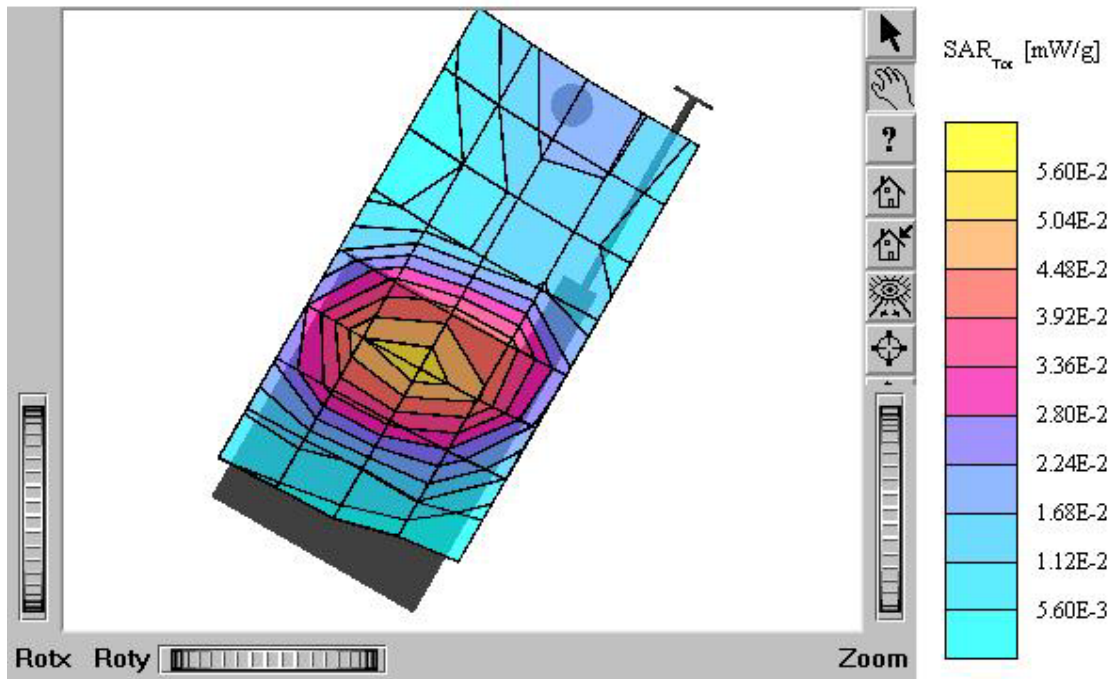
Test Position: Left Tilt 15° / Antenna: out

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom; Right Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39

$\rho_{\text{ho/m}}$ $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.220 mW/g, SAR (10g): 0.130 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.02 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

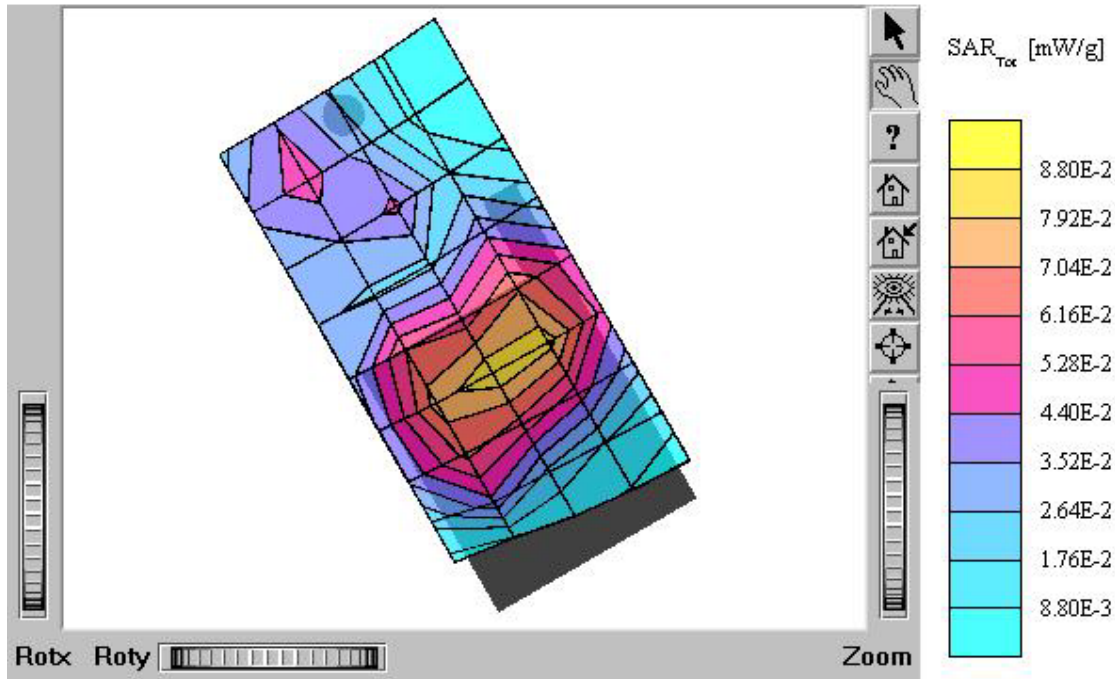
Test Position: Right Tilt 15° / Antenna: in

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004



TX-180A

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 1.0; Brain 1900 MHz: s = 1.39

 $\rho_{\text{ho/m}}$ $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.119 mW/g, SAR (10g): 0.0721 mW/g

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.11 dB

Comment:

FCC ID: PP4TX-180A / MODEL: TX-180A

Company: Hyundai Curitel Inc.

Test Position: Right Tilt 15° / Antenna: out

Mode: PCS CDMA / Channel: 600 (1880.00MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.7°C

Date Tested : November 10, 2004

