

ATTACHMENT O – SAR TEST PLOTS (1 of 3)

TX-180

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: s = 0.88

rho/m e_r = 42.4 r = 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.793 mW/g, SAR (10g): 0.529 mW/g

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

Powerdrift: -0.27 dB

Comment:

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

Company: Hyundai Curitel Inc.

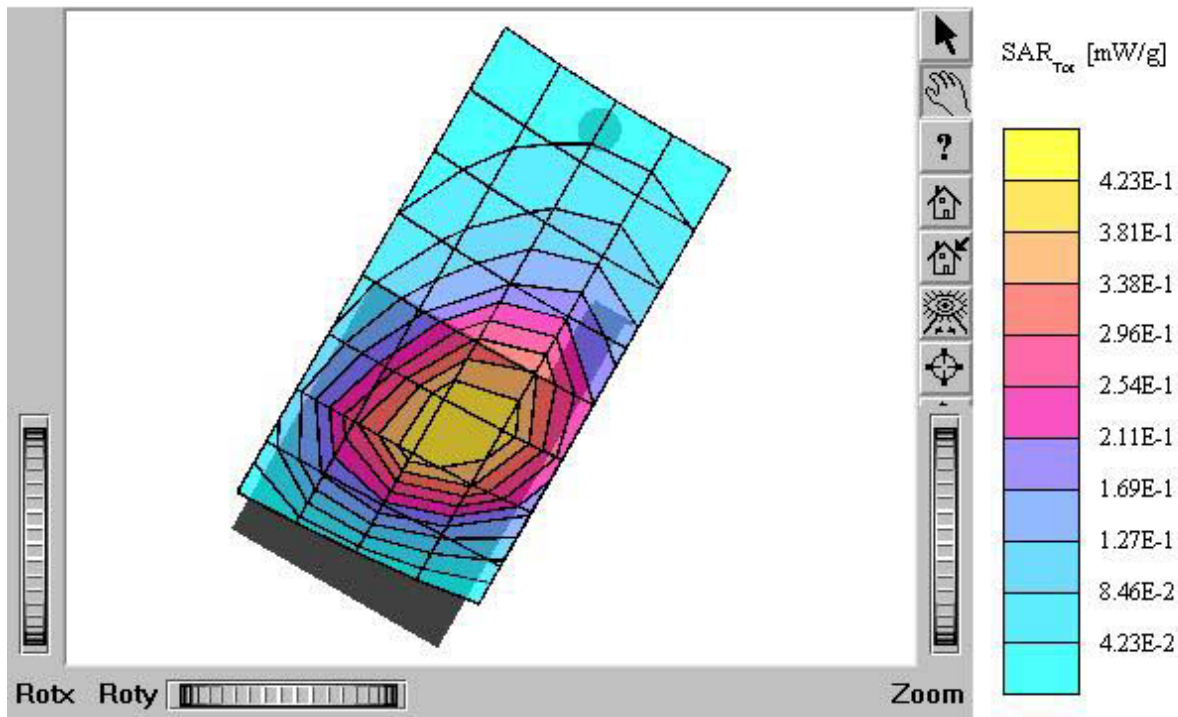
Test Position: Left Touch / Antenna: in

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$ $\rho_{\text{mho/m}}$, $\epsilon_r = 42.4$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.509 mW/g, SAR (10g): 0.337 mW/g

Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$

Powerdrift: -0.19 dB

Comment:

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

Company: Hyundai Curitel Inc.

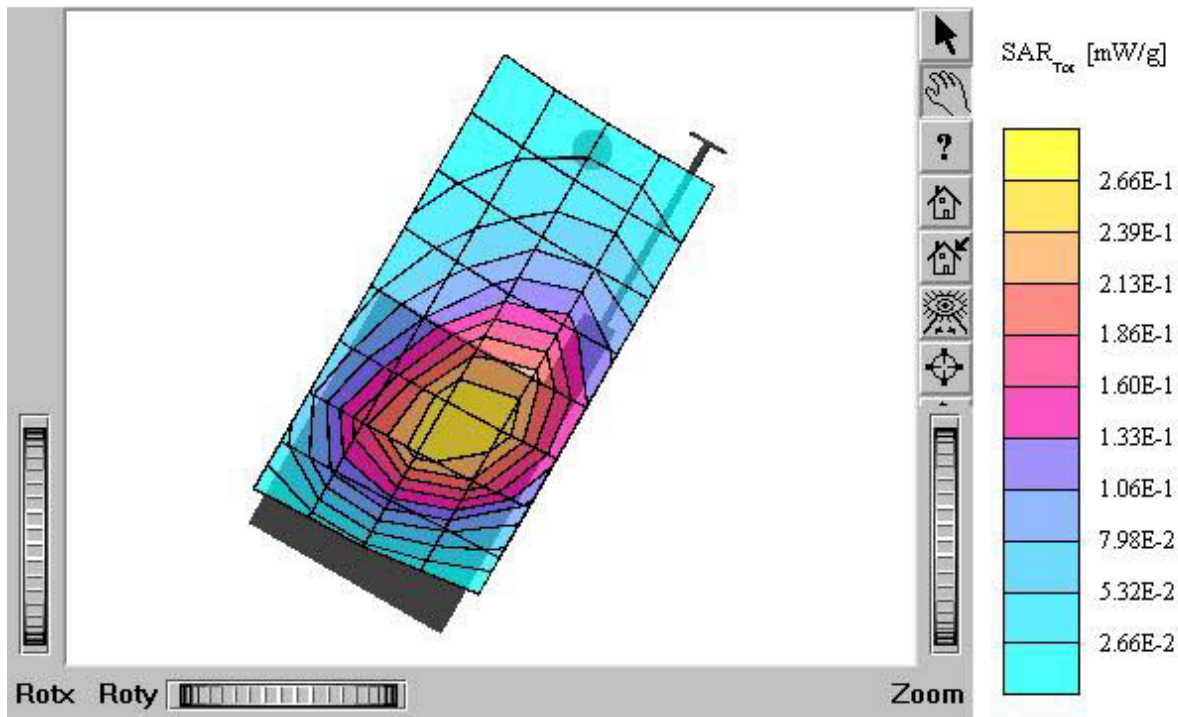
Test Position: Left Touch / Antenna: out

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 25.0 dBm

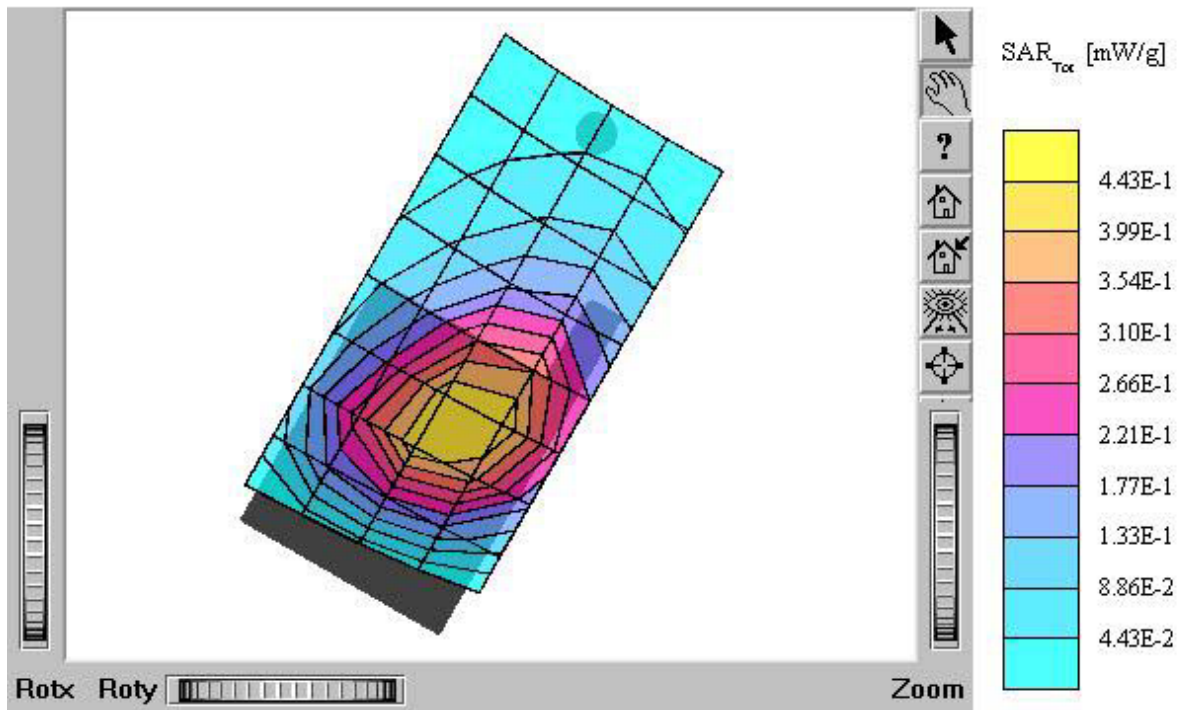
Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



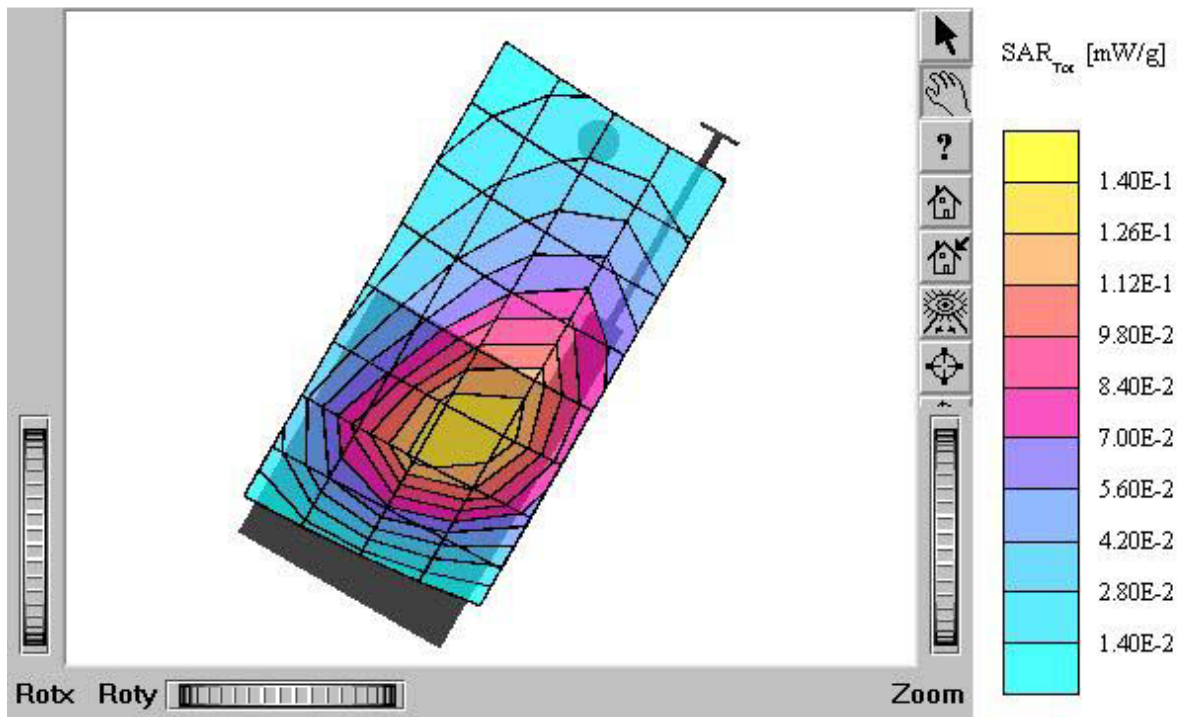
TX-180

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: s = 0.88
 mho/m $\epsilon_r = 42.4$ $\rho = 1.00$ g/cm³
 Cube 5x5x7: SAR (1g): 0.843 mW/g, SAR (10g): 0.562 mW/g
 Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
 Powerdrift: -0.24 dB
 Comment:
 FCC ID: PP4TX-180 / MODEL: TX-180
 Company: Hyundai Curitel Inc.
 Test Position: Left Touch / Antenna: in
 Mode: CDMA / Channel: 363 (853.89MHz)
 Conducted Power : 25.0 dBm
 Liquid Temperature : 21.5°C
 Date Tested : November 4, 2004



TX-180

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 $\text{mho/m } e_r = 42.4$ $r = 1.00$ g/cm^3
Cube 5x5x7: SAR (1g): 0.268 mW/g, SAR (10g): 0.176 mW/g
Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$
Powerdrift: -0.05 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Left Touch / Antenna: out
Mode: CDMA / Channel: 363 (853.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004



TX-180

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: s = 0.88
rho/m e_r = 42.4 r = 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.983 mW/g, SAR (10g): 0.657 mW/g

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

Powerdrift: -0.11 dB

Comment:

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

Company: Hyundai Curitel Inc.

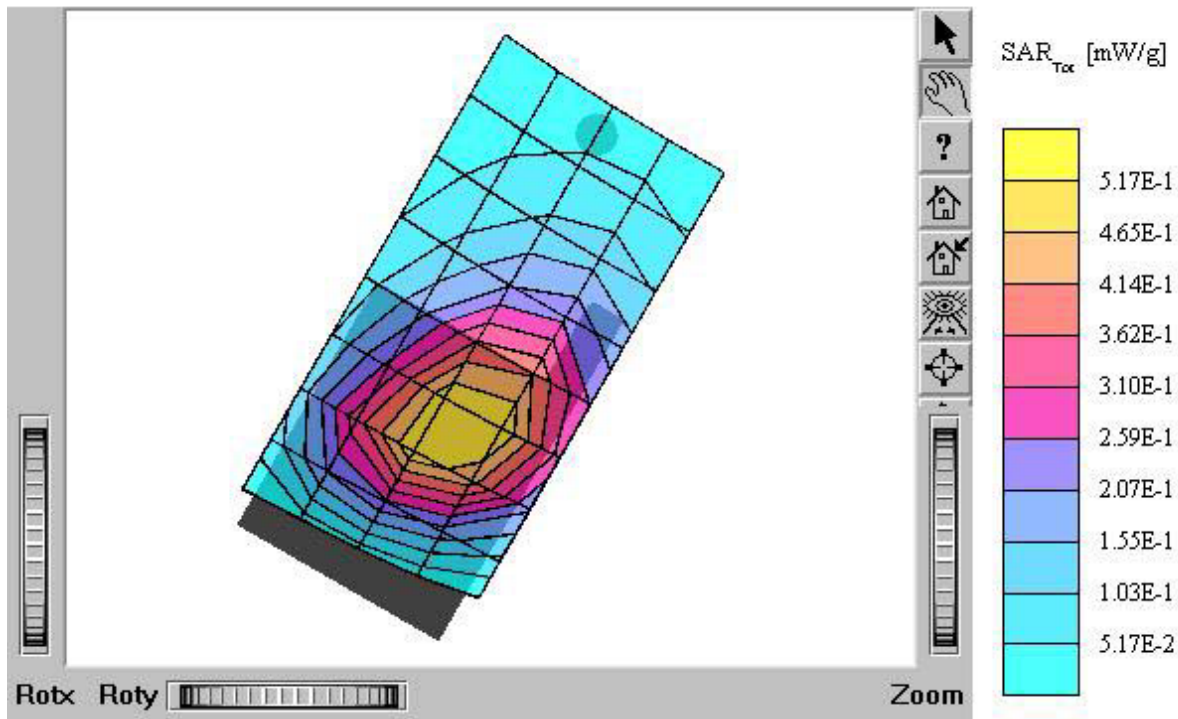
Test Position: Left Touch / Antenna: in

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$

$\rho_{\text{ho}}/\text{m} \cdot \text{e}_r = 42.4$ $r = 1.00$ g/cm^3

Cube 5x5x7: SAR (1g): 0.555 mW/g, SAR (10g): 0.368 mW/g

Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$

Powerdrift: -0.19 dB

Comment:

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

Company: Hyundai Curitel Inc.

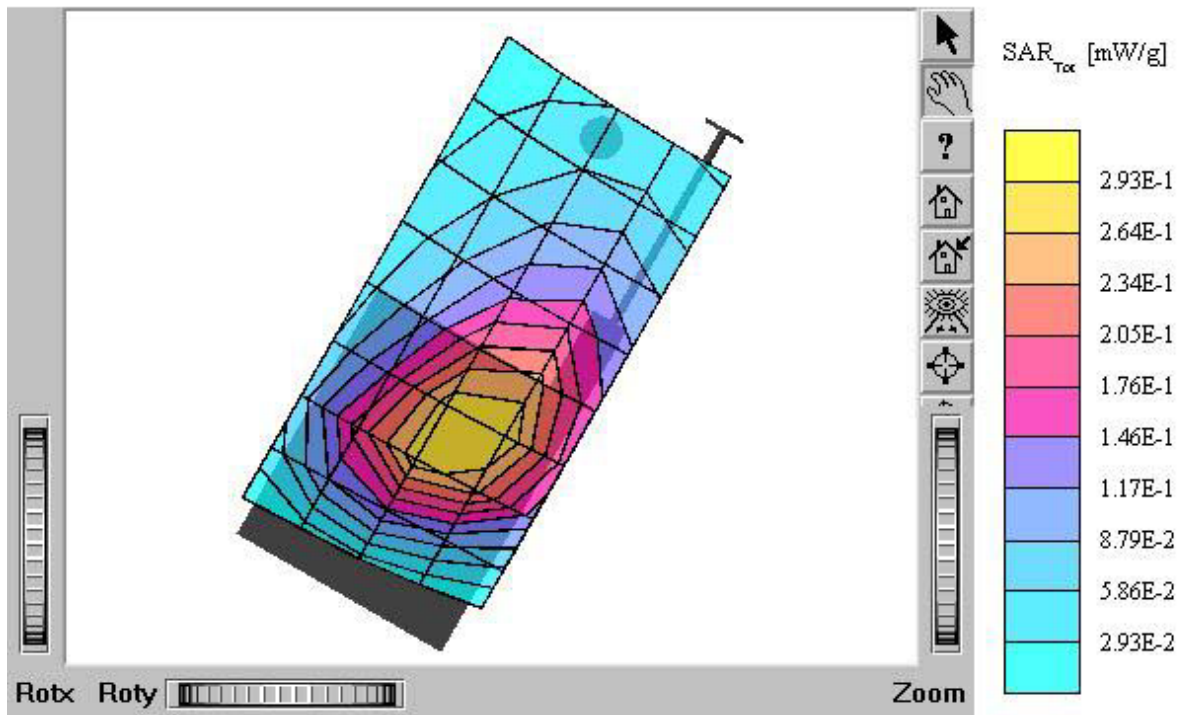
Test Position: Left Touch / Antenna: out

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom; Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$ mho/m $\epsilon_r = 42.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.772 mW/g, SAR (10g): 0.508 mW/g

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

Powerdrift: -0.13 dB

Comment:

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

Company: Hyundai Curitel Inc.

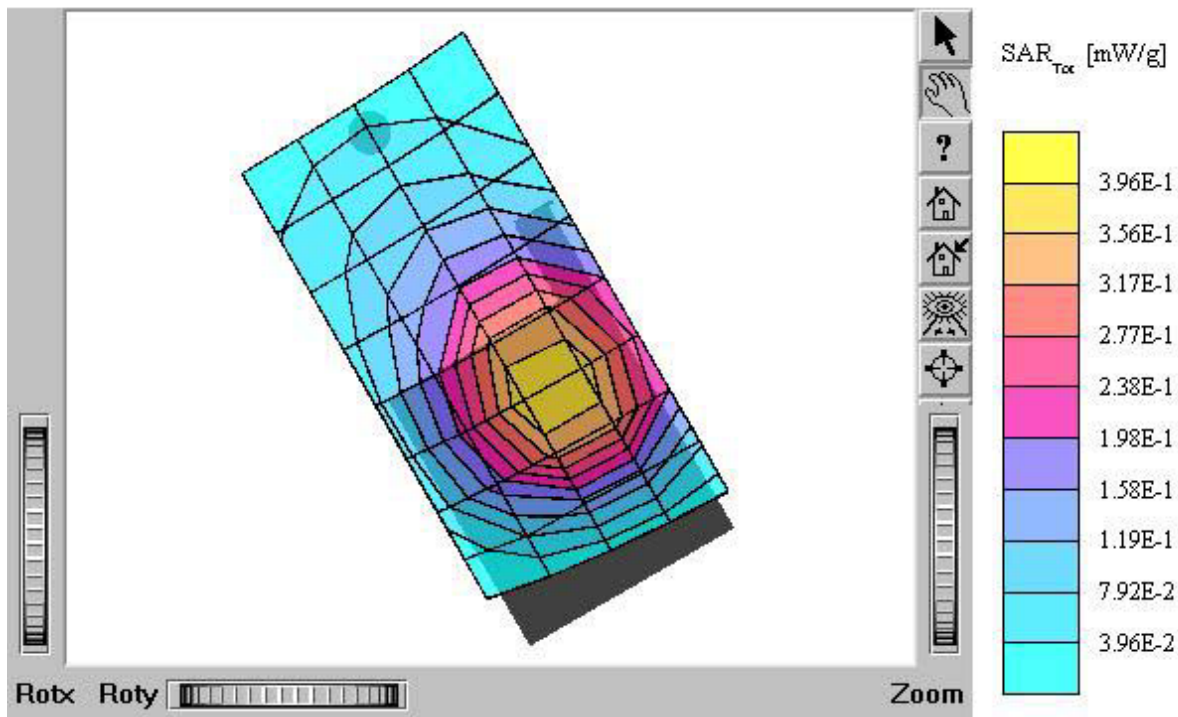
Test Position: Right Touch / Antenna: in

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom; Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$ $\text{mho/m } e_r = 42.4$ $r = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.486 mW/g, SAR (10g): 0.317 mW/g

Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$

Powerdrift: -0.03 dB

Comment:

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

Company: Hyundai Curitel Inc.

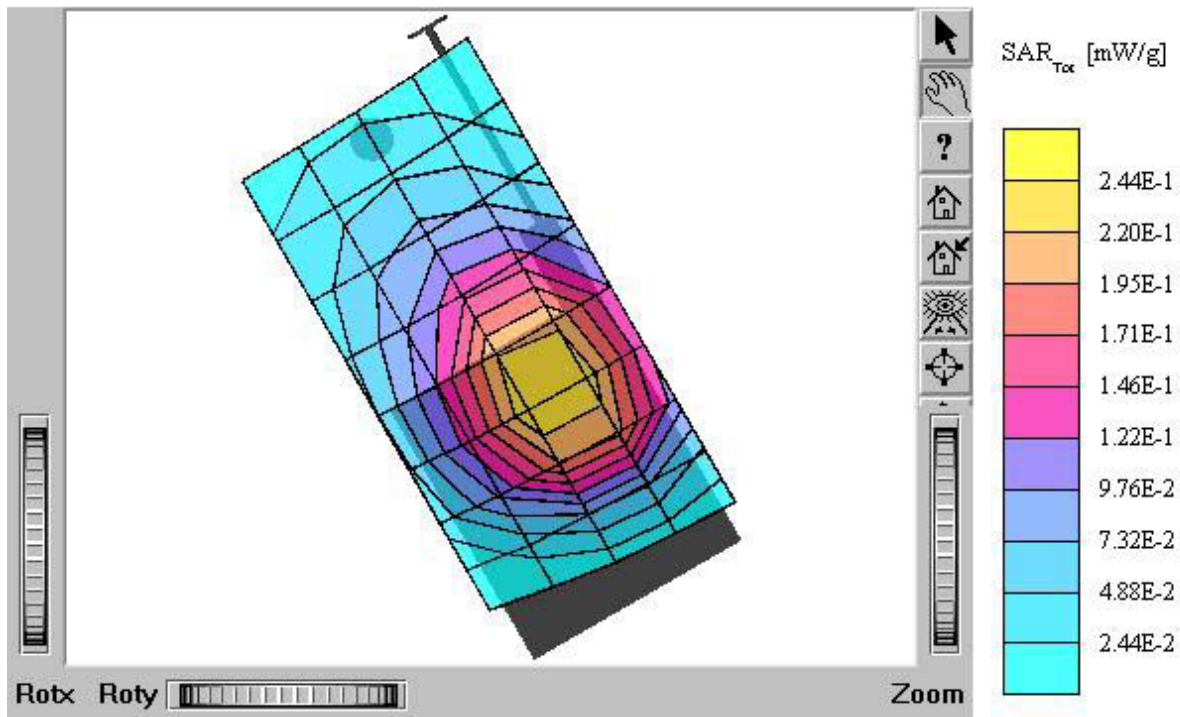
Test Position: Right Touch / Antenna: out

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$ $\rho_{\text{ho}}/\text{m} \ \rho_r = 42.4 \ \text{r} = 1.00 \ \text{g}/\text{cm}^3$

Cube 5x5x7: SAR (1g): 0.863 mW/g, SAR (10g): 0.561 mW/g

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

Powerdrift: -0.14 dB

Comment:

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

Company: Hyundai Curitel Inc.

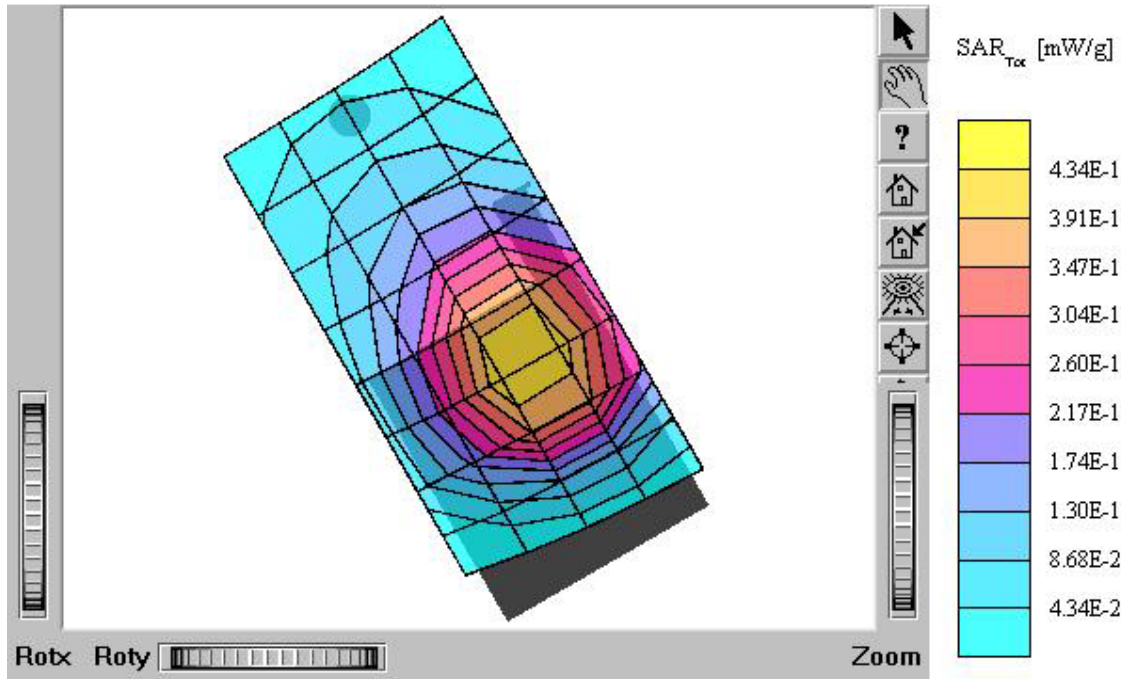
Test Position: Right Touch / Antenna: in

Mode: CDMA / Channel: 363 (853.89MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom; Right Hand [CRP] Section; Position: (90°, 180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22, 6.22, 6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 $\text{mho/m } e_r = 42.4$ $r = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.259 mW/g, SAR (10g): 0.167 mW/g

Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$

Powerdrift: 0.09 dB

Comment:

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

Company: Hyundai Curitel Inc.

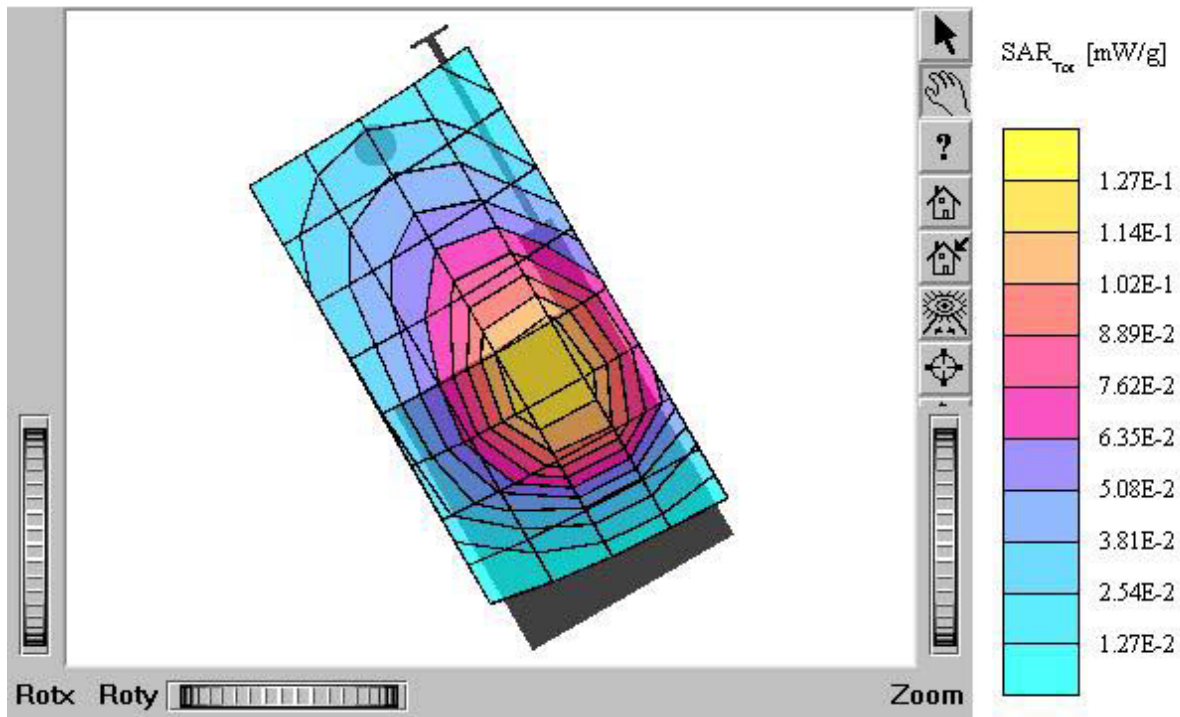
Test Position: Right Touch / Antenna: out

Mode: CDMA / Channel: 363 (853.89MHz)

Conducted Power : 25.0 dBm

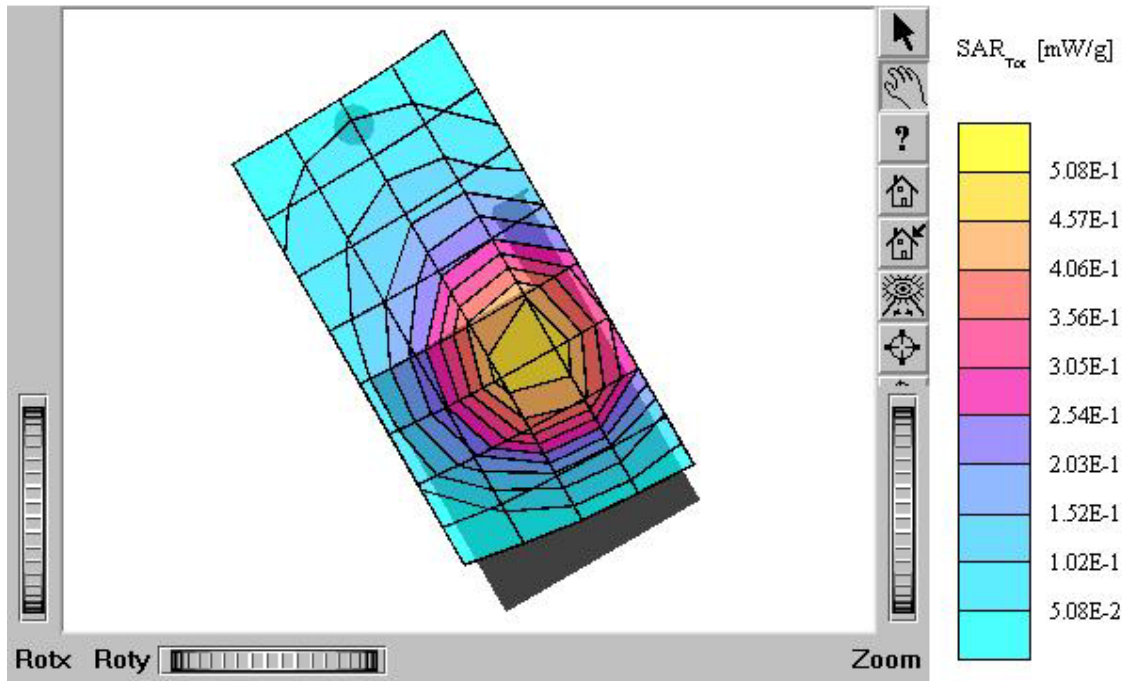
Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



TX-180

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 $\rho_{\text{ho}}/\text{m} \text{ } \rho_r = 42.4 \text{ } r = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 1.02 mW/g, SAR (10g): 0.662 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.01 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Right Touch / Antenna: in
Mode: CDMA / Channel: 777 (848.31MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004



TX-180

SAM II Phantom; Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: s = 0.88

mho/m $\epsilon_r = 42.4$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.00 mW/g, SAR (10g): 0.656 mW/g

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

Powerdrift: -0.12 dB

Comment:

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

Company: Hyundai Curitel Inc.

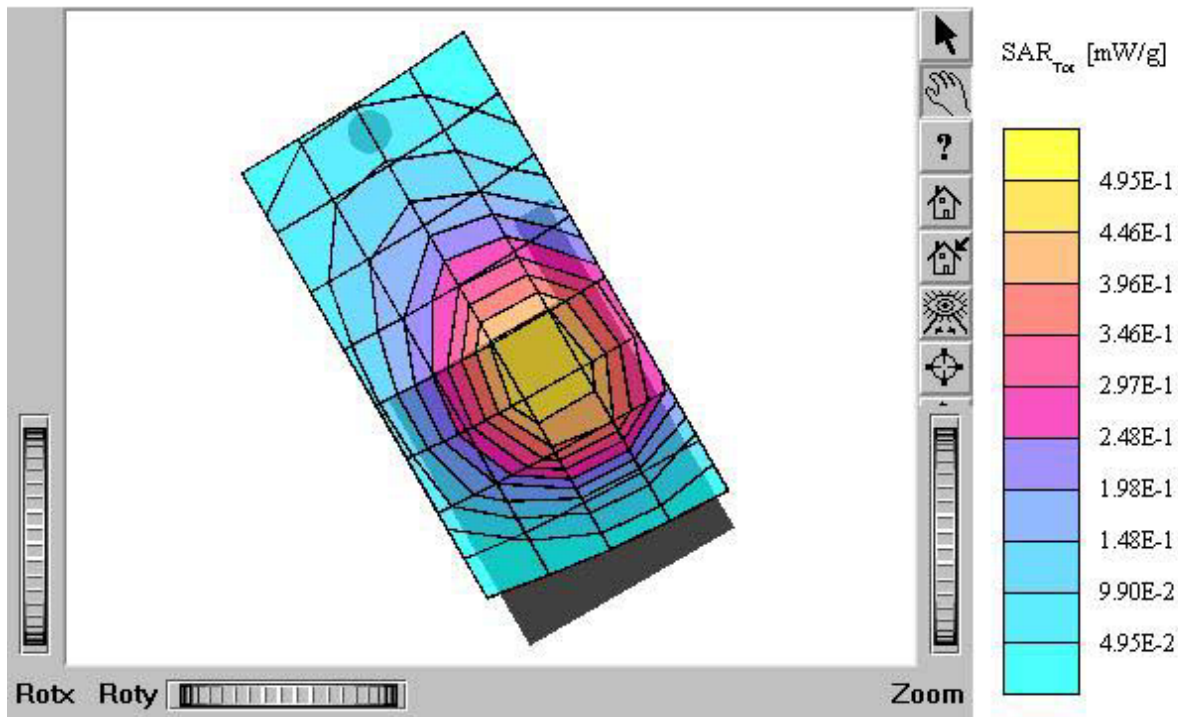
Test Position: Right Touch / Antenna: in

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 25.0 dBm

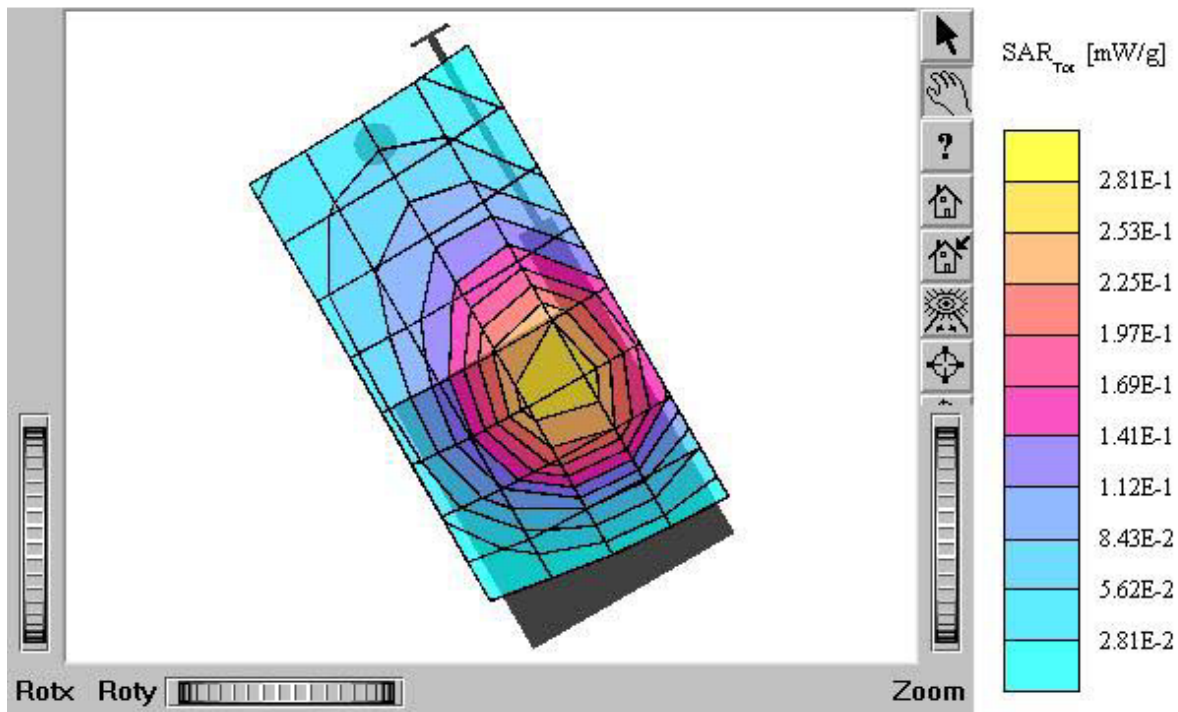
Liquid Temperature : 21.5°C

Date Tested : November 4, 2004



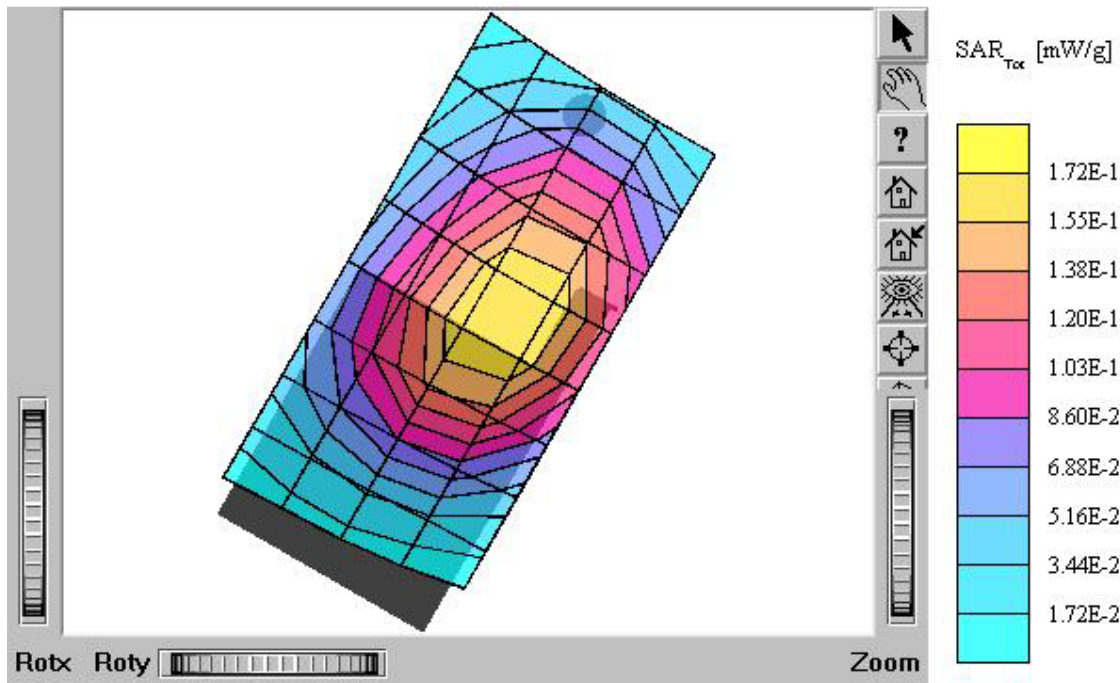
TX-180

SAM II Phantom; Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 $\rho_{ho}/m e_r = 42.4$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.568 mW/g, SAR (10g): 0.364 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Right Touch / Antenna: out
Mode: CDMA / Channel: 777 (848.31MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004



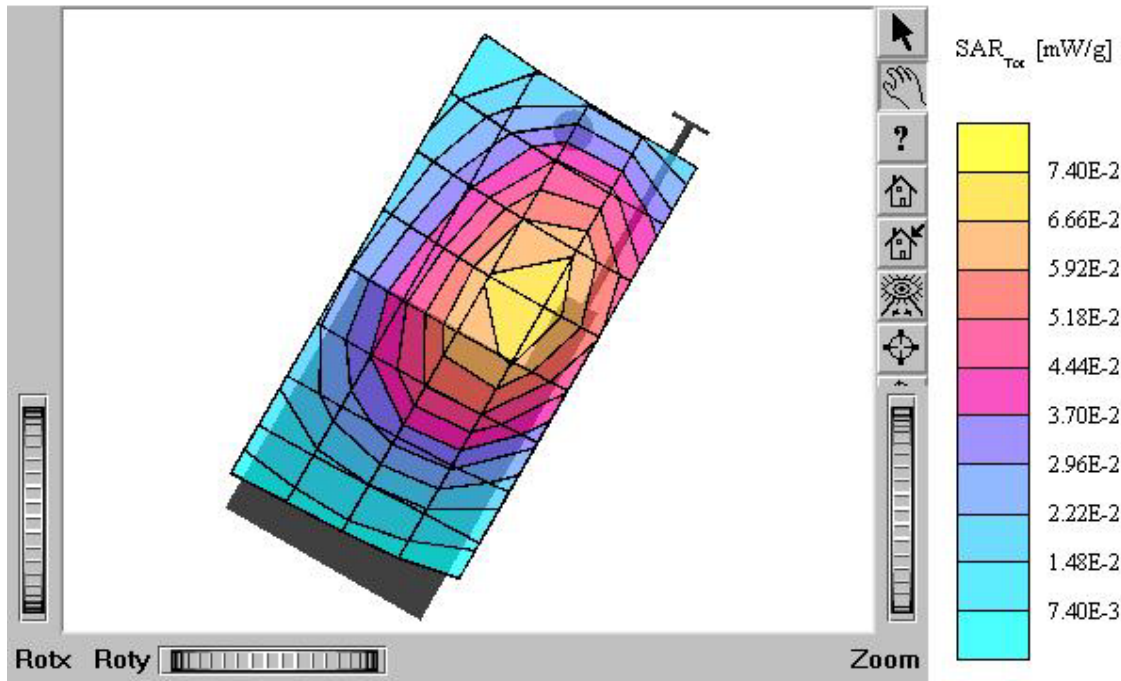
TX-180

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 ρ_{ho}/m $\epsilon_r = 42.4$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.300 mW/g, SAR (10g): 0.214 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.31 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Left Tilt 15° / Antenna: in
Mode: CDMA / Channel: 363 (853.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004



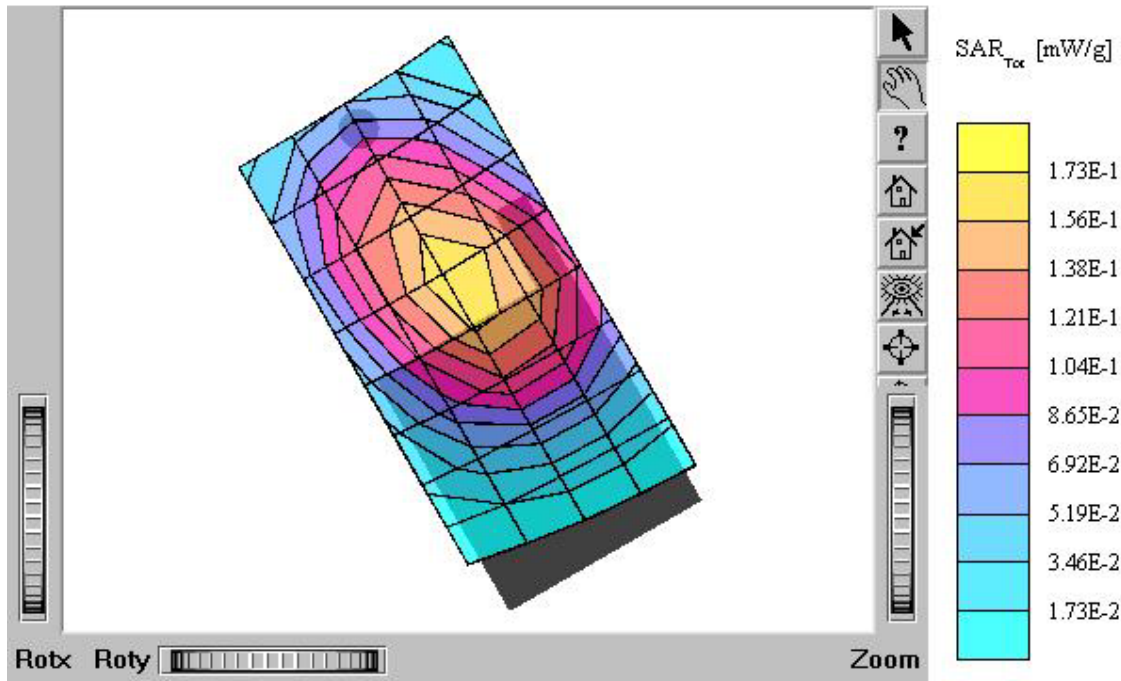
TX-180

SAM II Phantom: Left Hand [CRP] Section: Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: s = 0.88
 $\rho_{\text{ho/m}} \epsilon_r = 42.4$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.123 mW/g, SAR (10g): 0.0886 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.13 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Left Tilt 15° / Antenna: out
Mode: CDMA / Channel: 363 (853.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004



TX-180

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 $\rho_{ho}/m \rho_r = 42.4$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.290 mW/g, SAR (10g): 0.206 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.04 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Right Tilt 15° / Antenna: in
Mode: CDMA / Channel: 363 (853.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004



TX-180

SAM II Phantom: Right Hand [CRP] Section; Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $s = 0.88$
 $\rho_{\text{ho}}/\text{m} \rho_r = 42.4$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.110 mW/g, SAR (10g): 0.0782 mW/g
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.29 dB
Comment:
FCC ID: PP4TX-180 / MODEL: TX-180
Company: Hyundai Curitel Inc.
Test Position: Right Tilt 15° / Antenna: out
Mode: CDMA / Channel: 363 (853.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 21.5°C
Date Tested : November 4, 2004

