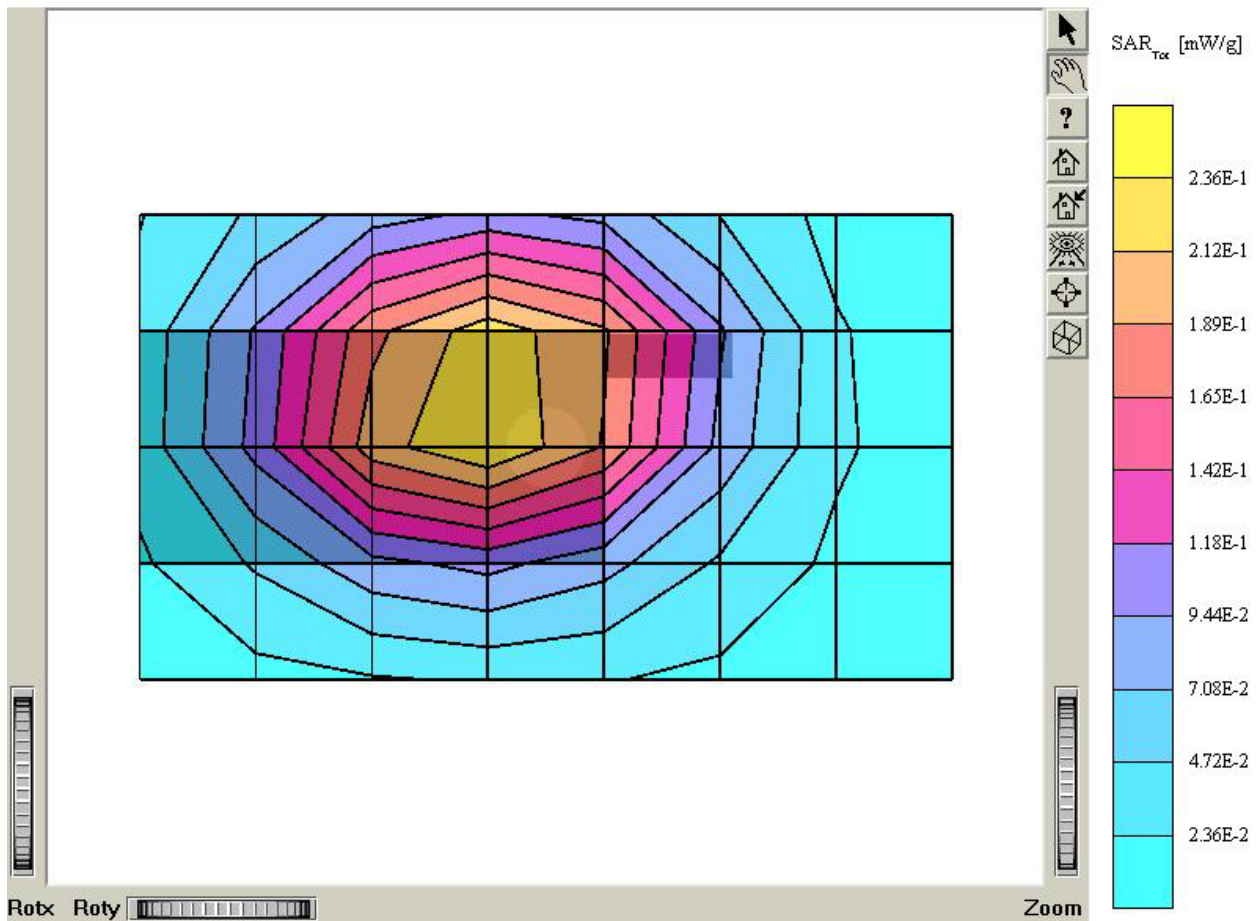


ATTACHMENT O – SAR TEST PLOTS (3 of 3)

■ Body SAR (AMPS)

TX-55C

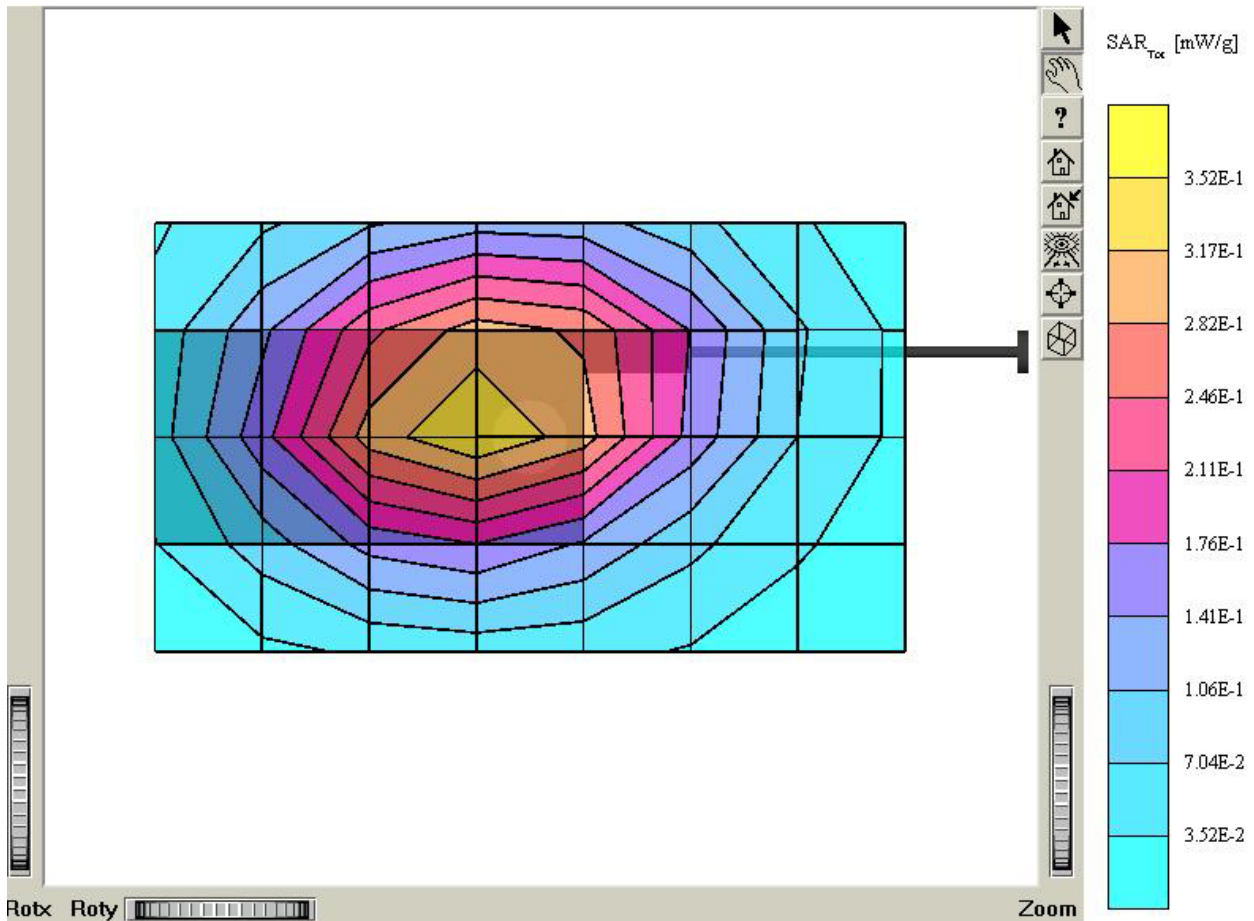
SAM I Phantom: Flat Section: Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.239 mW/g, SAR (10g): 0.168 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.20 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : in
Mode : AMPS / Channel : 991 (824.04MHz)
Conducted Power : 26.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (AMPS)

TX-55C

SAM I Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.30, 6.30, 6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.341 mW/g, SAR (10g): 0.240 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.17 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : out
Mode : AMPS / Channel : 991 (824.04MHz)
Conducted Power : 26.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (AMPS)

TX-55C

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99$ mho/m $e_r = 54.2$ $r = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.258 mW/g, SAR (10g): 0.180 mW/g, Worst-case extrapolation

Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

: Powerdrift: -0.19 dB

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

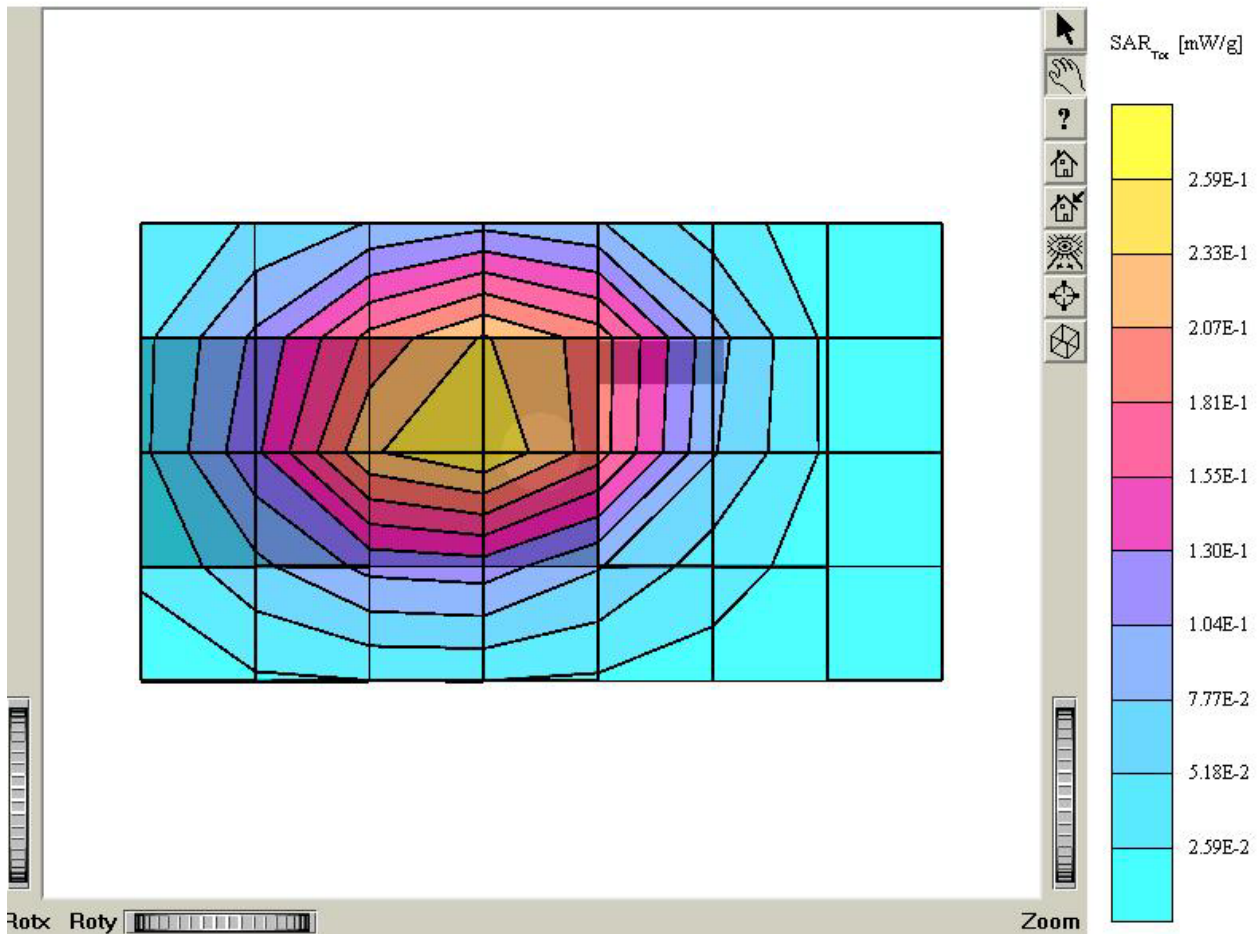
Antenna : in

Mode : AMPS / Channel : 383 (836.49MHz)

Conducted Power : 26.5 dBm

Liquid Temperature : 22.2 °C

Date Tested : November 9, 2002



■ Body SAR (AMPS)

TX-55C

SAM I Phantom: Flat Section: Position: (90°,90°); Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.583 mW/g, SAR (10g): 0.409 mW/g, Worst-case extrapolation

Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$

: Powerdrift: -0.07 dB

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

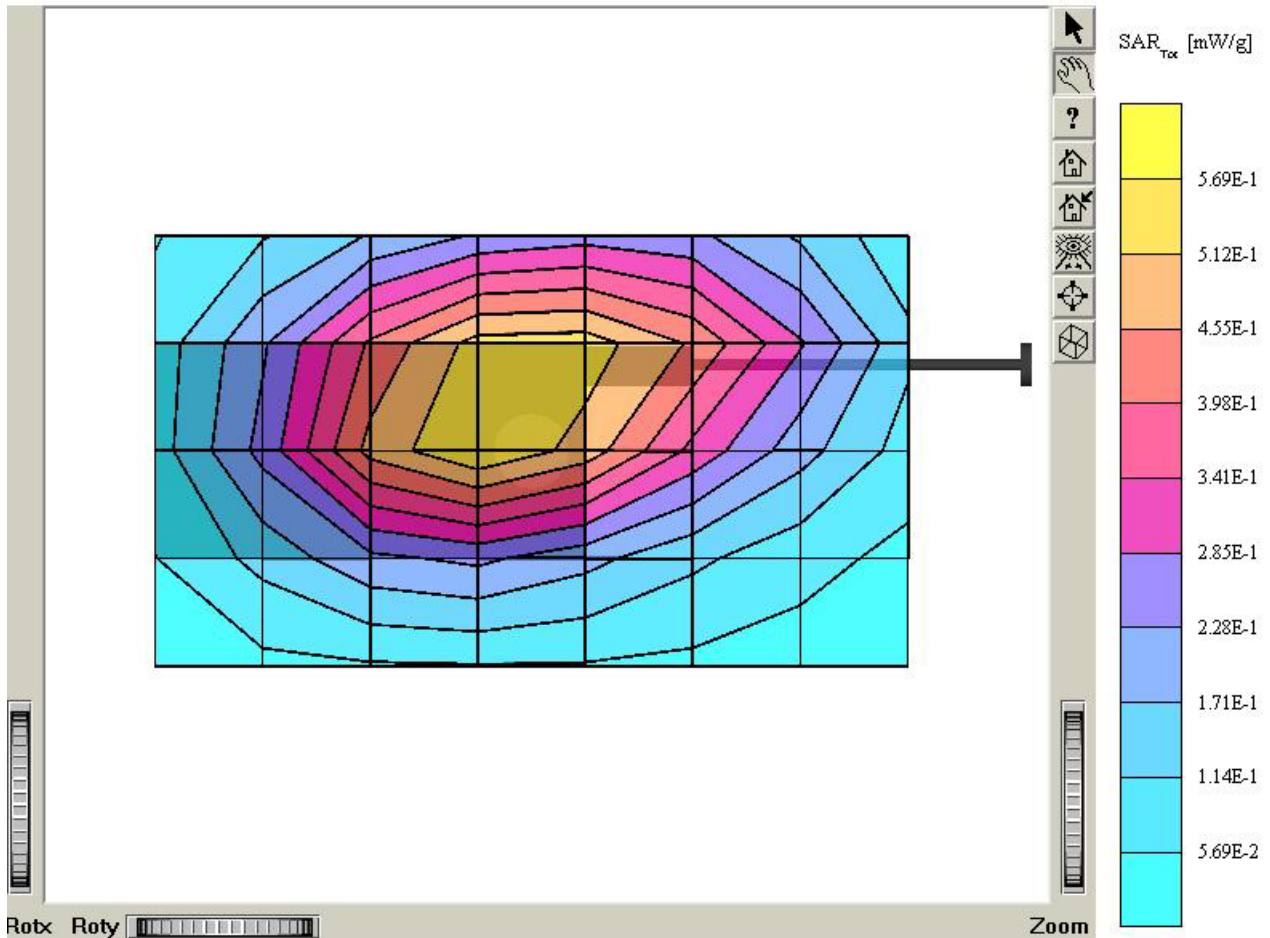
Antenna : out

Mode : AMPS / Channel : 383 (836.49MHz)

Conducted Power : 26.5 dBm

Liquid Temperature : 22.2 °C

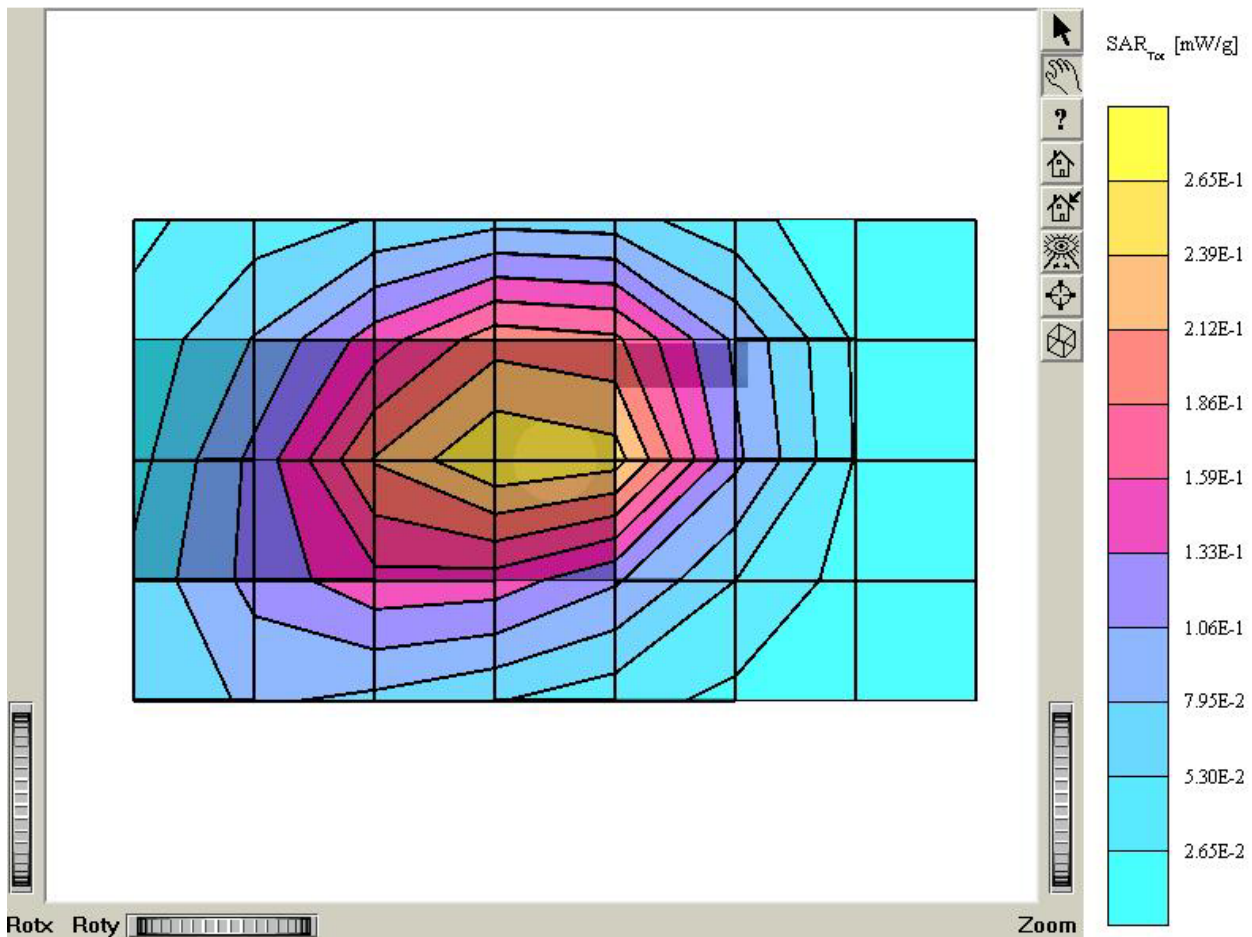
Date Tested : November 9, 2002



■ Body SAR (AMPS)

TX-55C

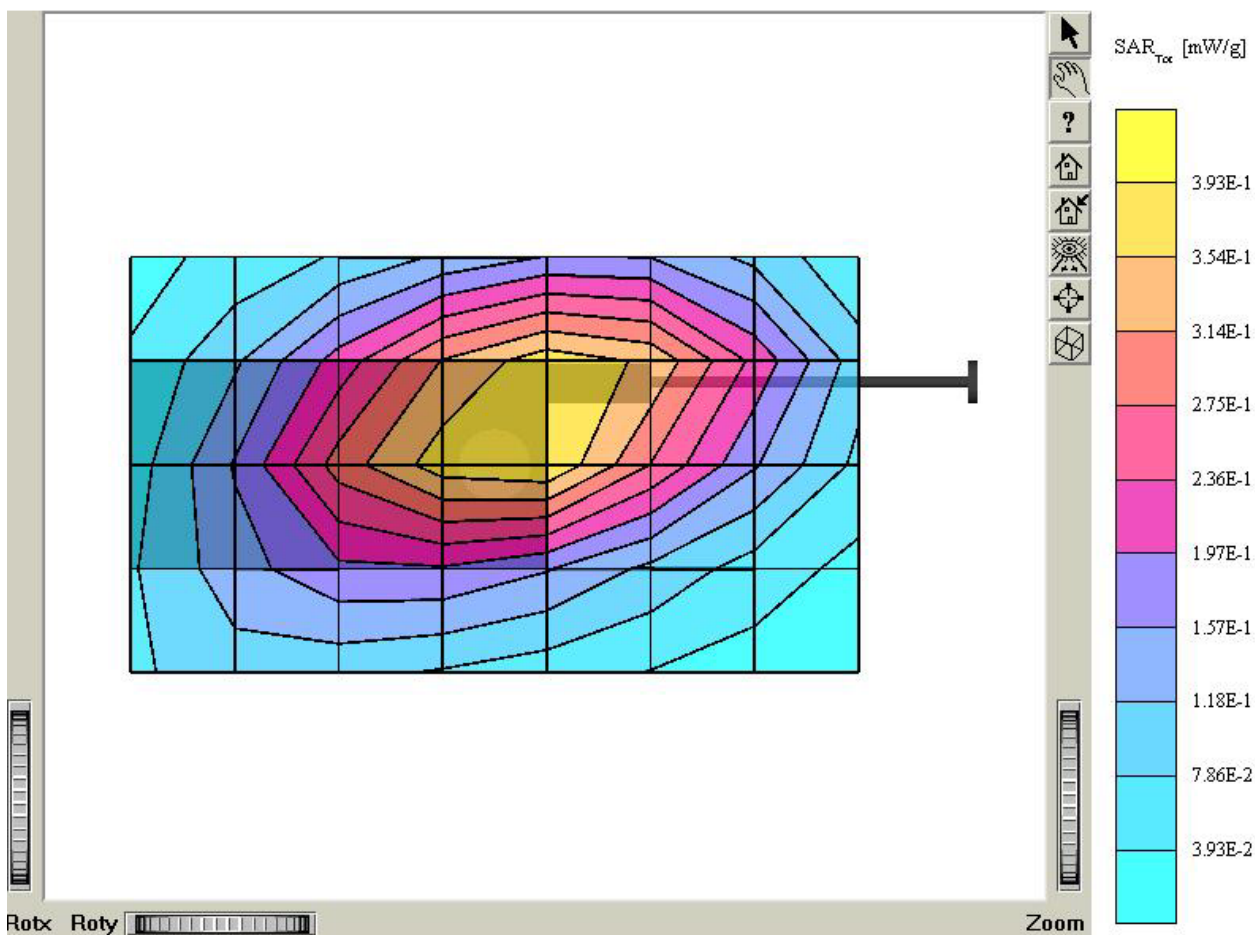
SAM I Phantom: Flat Section: Position: (90°,90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $r = 1.00 \text{ g/cm}^3$
 Cube 5x5x7: SAR (1g): 0.250 mW/g, SAR (10g): 0.171 mW/g, Worst-case extrapolation
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 : Powerdrift: -0.35 dB
 Comment:
 FCC ID : PP4TX-55C / MODEL : TX-55C
 Company : Hyundai Curitel inc.
 Antenna : in
 Mode : AMPS / Channel : 799 (848.97MHz)
 Conducted Power : 26.5 dBm
 Liquid Temperature : 22.2 °C
 Date Tested : November 9, 2002



■ Body SAR (AMPS)

TX-55C

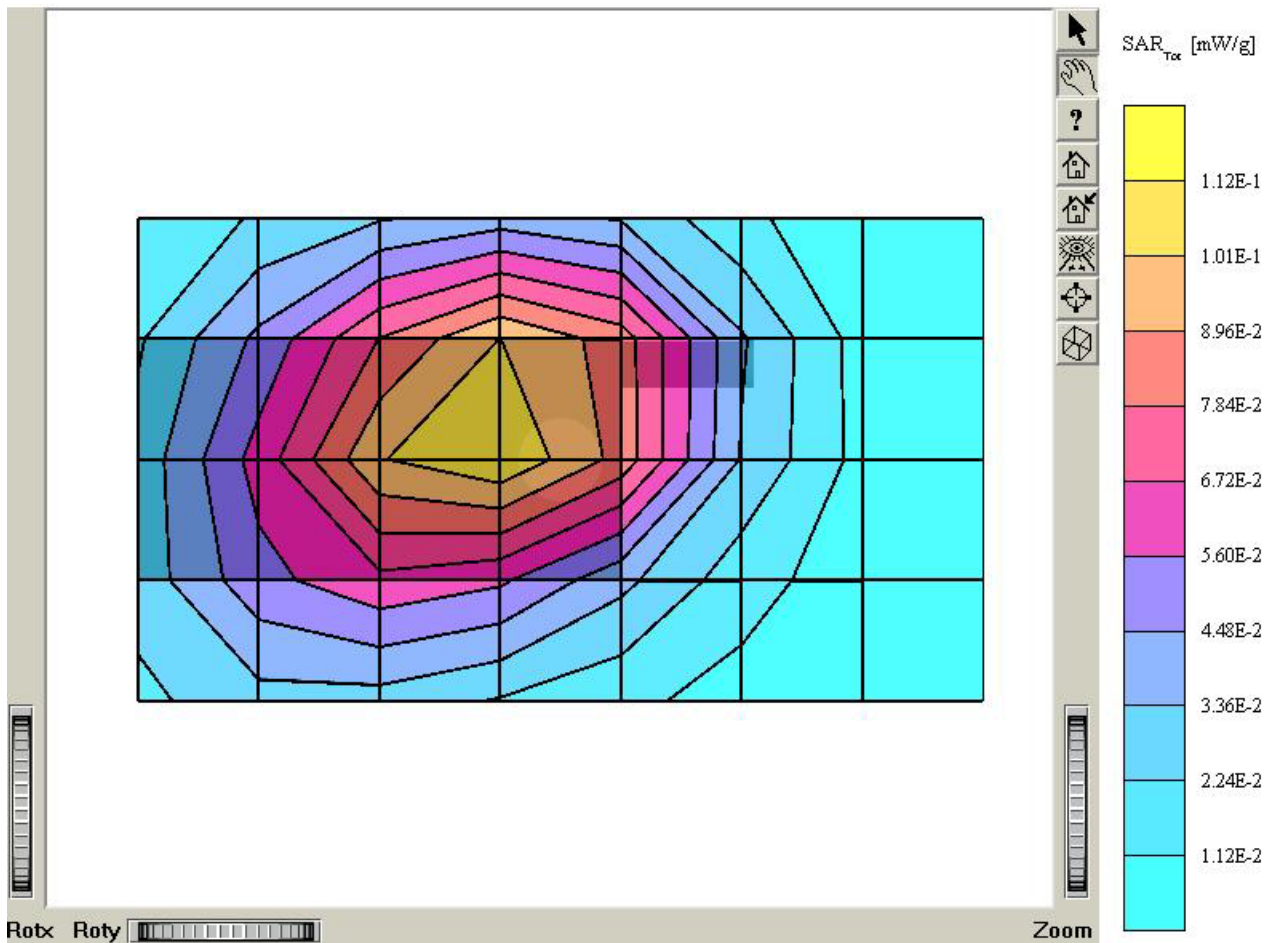
SAM I Phantom: Flat Section: Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609: ConvF(6.30,6.30,6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99$ mho/m $e_r = 54.2$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.402 mW/g, SAR (10g): 0.271 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.30 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : out
Mode : AMPS / Channel : 799 (848.97MHz)
Conducted Power : 26.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (CDMA)

TX-55C

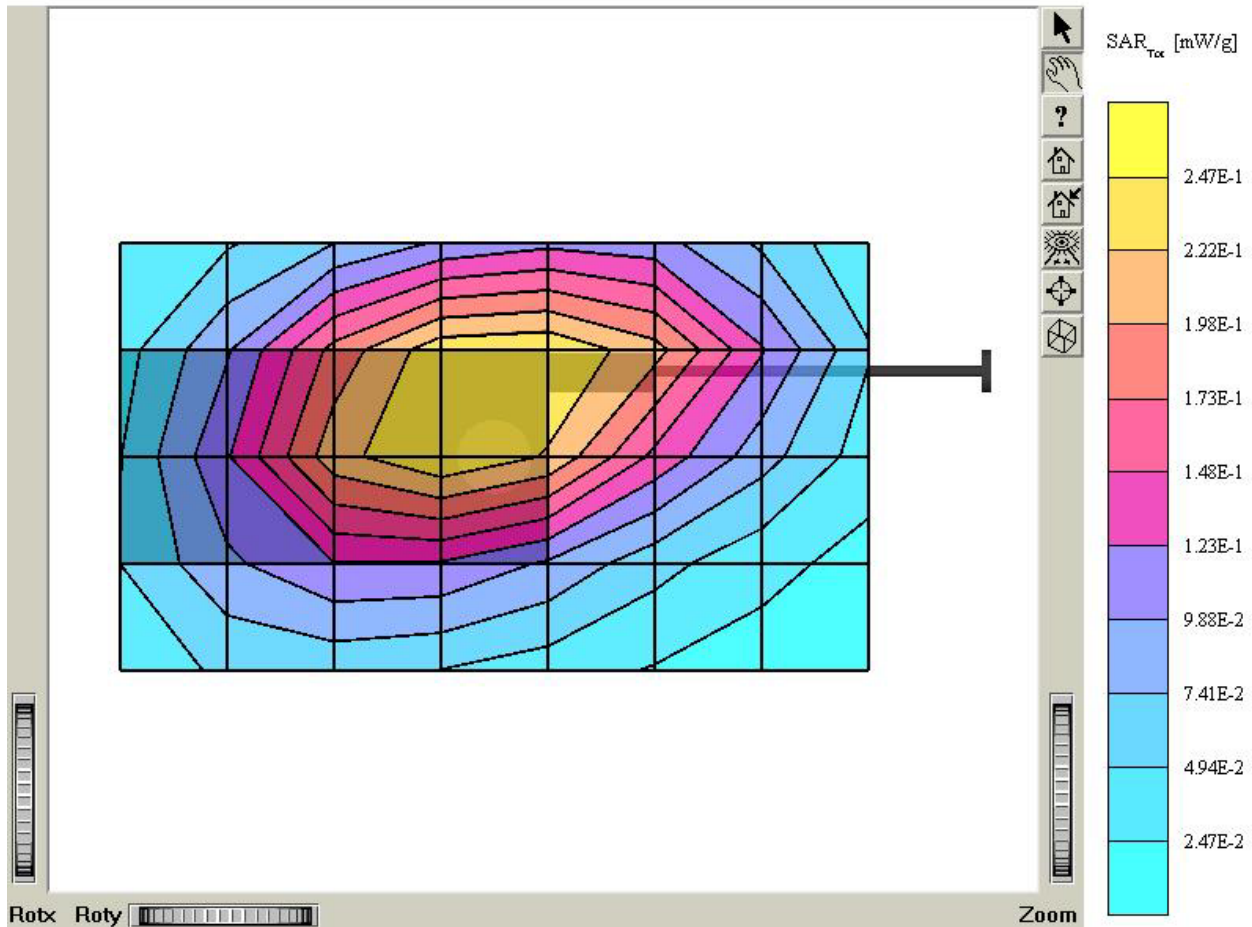
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.112 mW/g, SAR (10g): 0.0776 mW/g, Worst-case extrapolation
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
: Powerdrift: 0.04 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : in
Mode : CDMA / Channel : 1013 (824.70MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (CDMA)

TX-55C

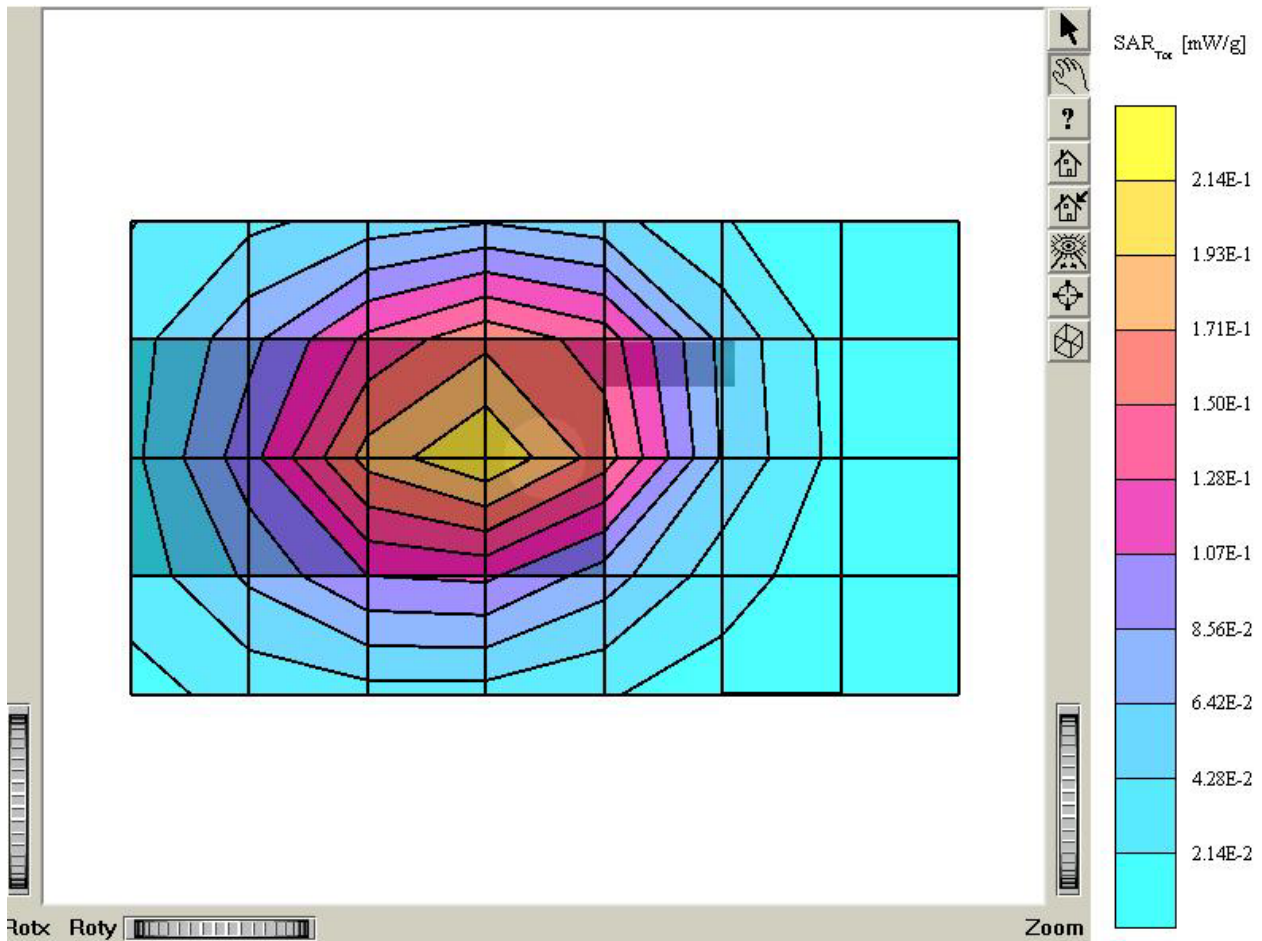
SAM I Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.30, 6.30, 6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99$ mho/m $e_r = 54.2$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.253 mW/g, SAR (10g): 0.173 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.11 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : out
Mode : CDMA / Channel : 1013 (824.70MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (CDMA)

TX-55C

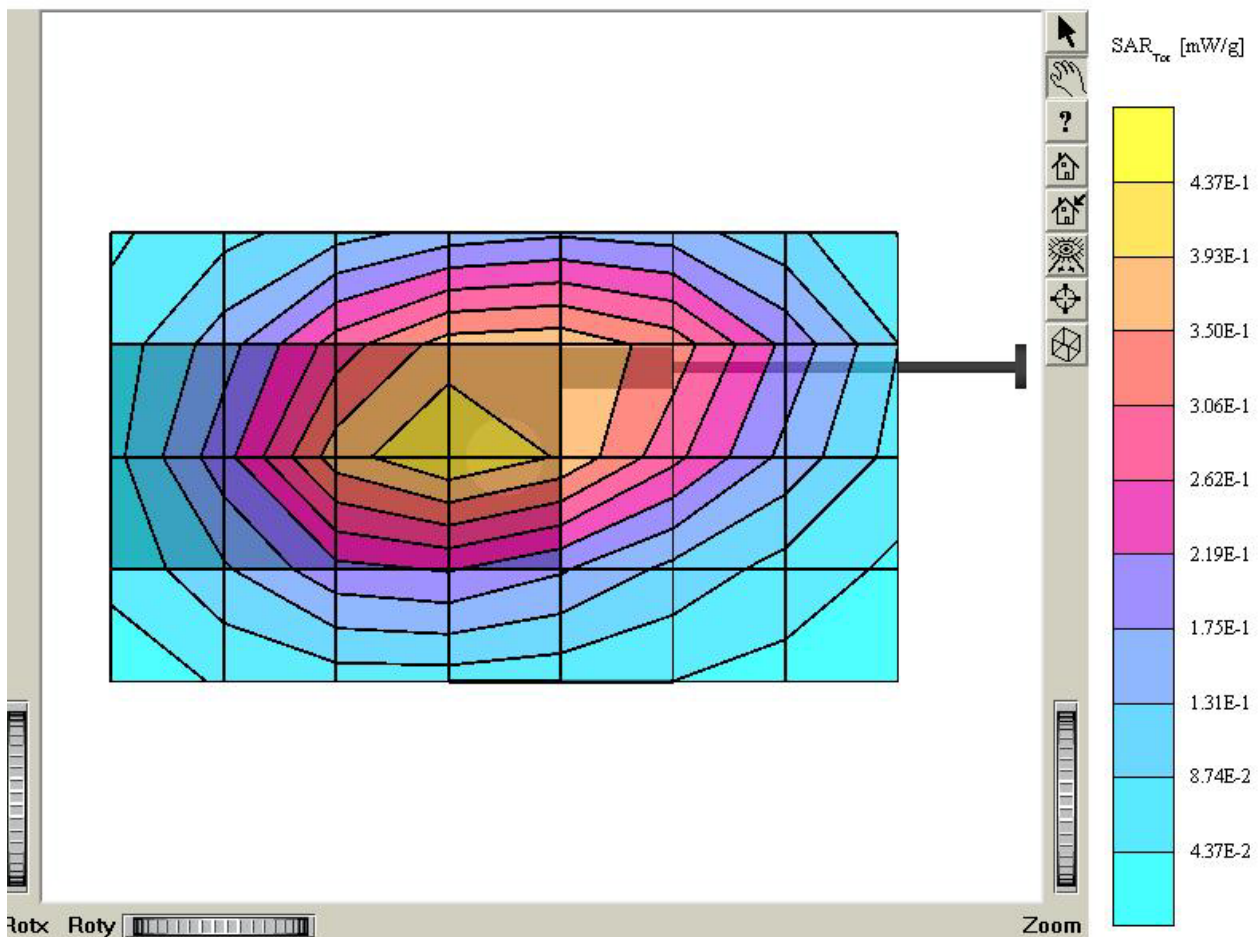
SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
 Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $r = 1.00 \text{ g/cm}^3$
 Cube 5x5x7; SAR (1g): 0.201 mW/g, SAR (10g): 0.139 mW/g, Worst-case extrapolation
 Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
 : Powerdrift: -0.15 dB
 Comment:
 FCC ID : PP4TX-55C / MODEL : TX-55C
 Company : Hyundai Curitel inc.
 Antenna : in
 Mode : CDMA / Channel : 363 (835.89MHz)
 Conducted Power : 25.0 dBm
 Liquid Temperature : 22.2 °C
 Date Tested : November 9, 2002



■ Body SAR (CDMA)

TX-55C

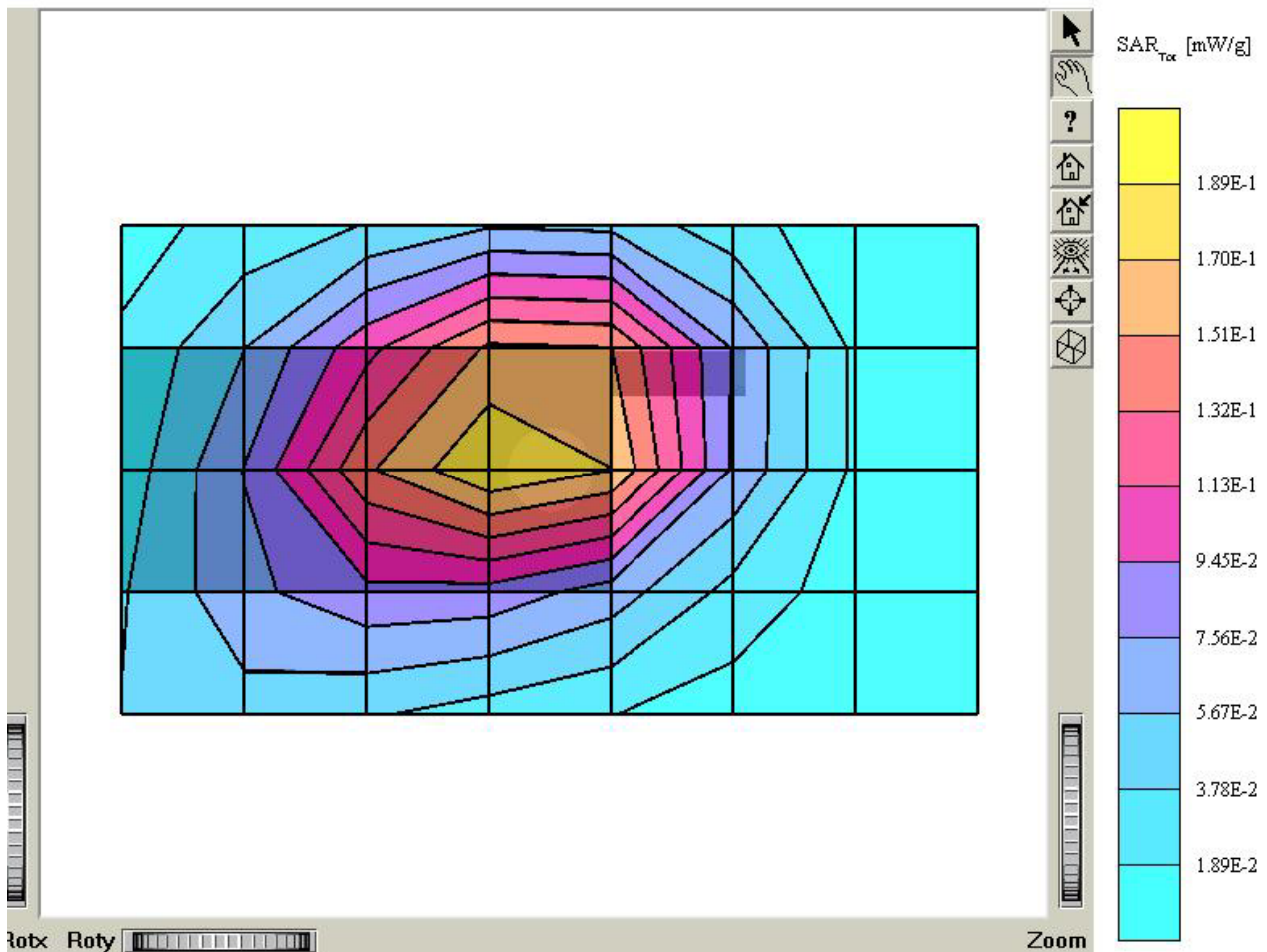
SAM I Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.437 mW/g, SAR (10g): 0.303 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: 0.04 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : out
Mode : CDMA / Channel : 363 (835.89MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (CDMA)

TX-55C

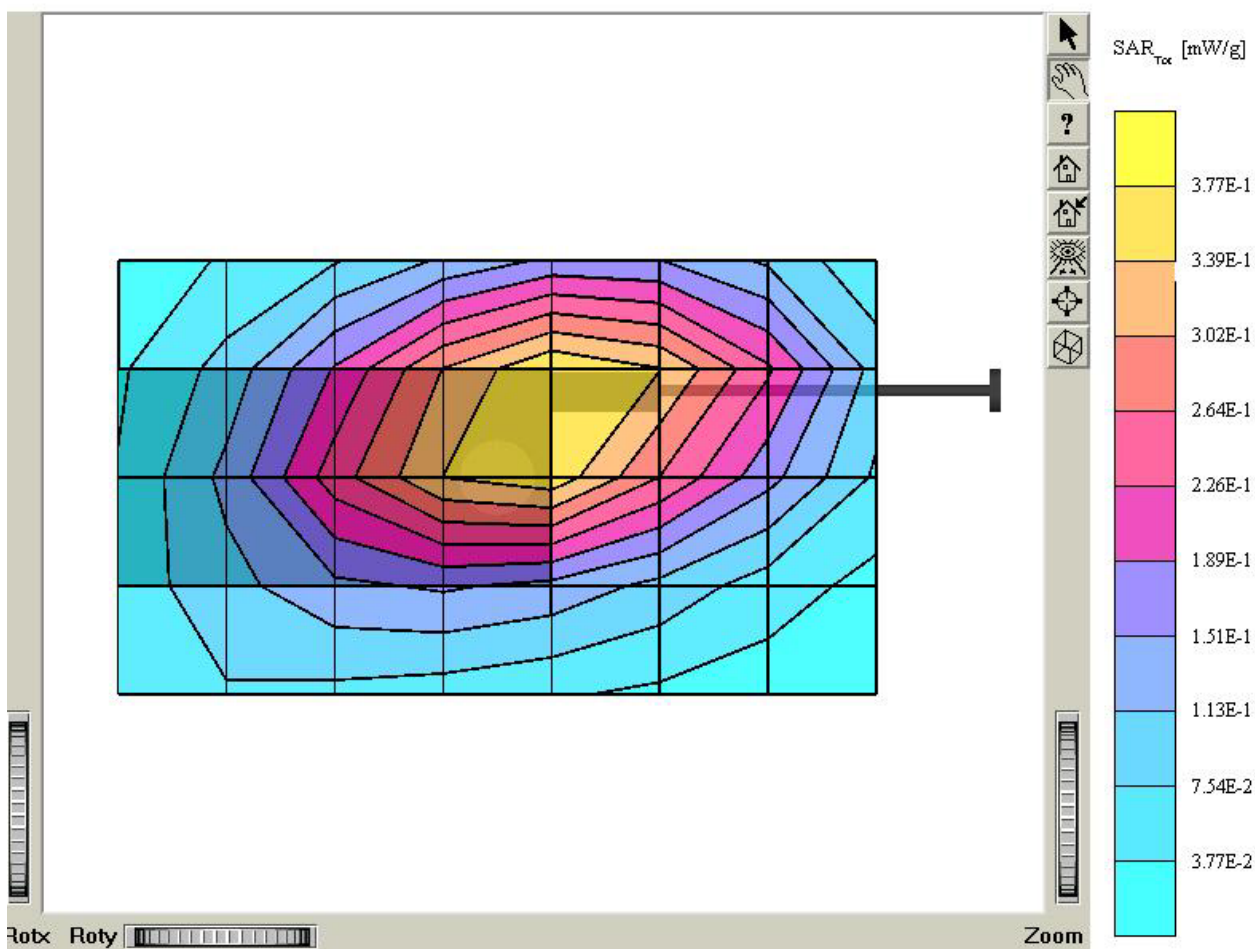
SAM I Phantom: Flat Section: Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $\epsilon_r = 54.2$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.194 mW/g, SAR (10g): 0.131 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.12 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : in
Mode : CDMA / Channel : 777 (848.31MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (CDMA)

TX-55C

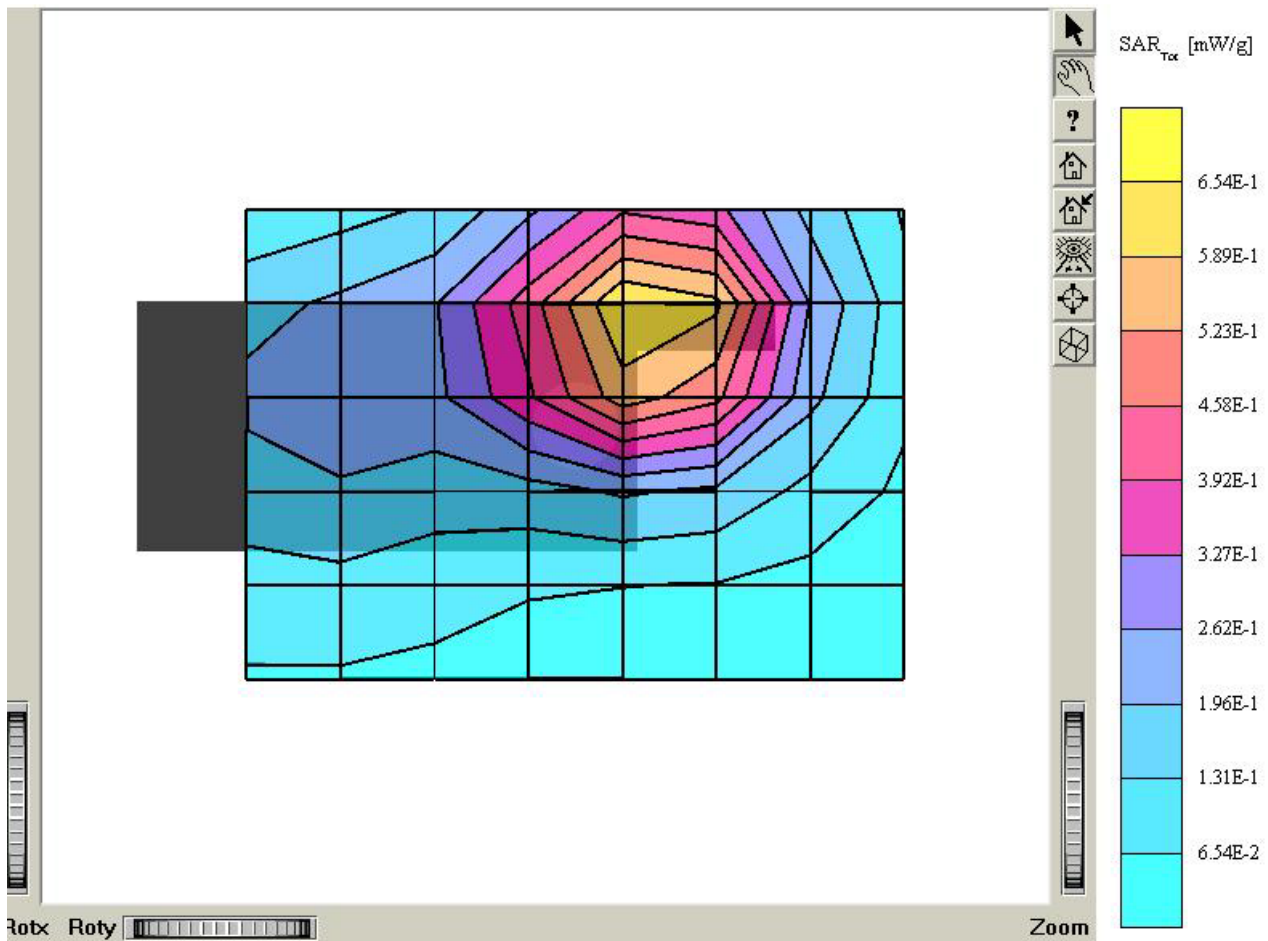
SAM : I Phantom; Flat Section; Position: (90°, 90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6,30,6,30,6,30); Crest factor: 1.0; Body 835 MHz: $s = 0.99$ mho/m $\epsilon_r = 54.2$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.389 mW/g, SAR (10g): 0.264 mW/g, Worst-case extrapolation
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrift: -0.03 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel Inc.
Antenna : out
Mode : CDMA / Channel : 777 (848.31MHz)
Conducted Power : 25.0 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (PCS CDMA)

TX-55C

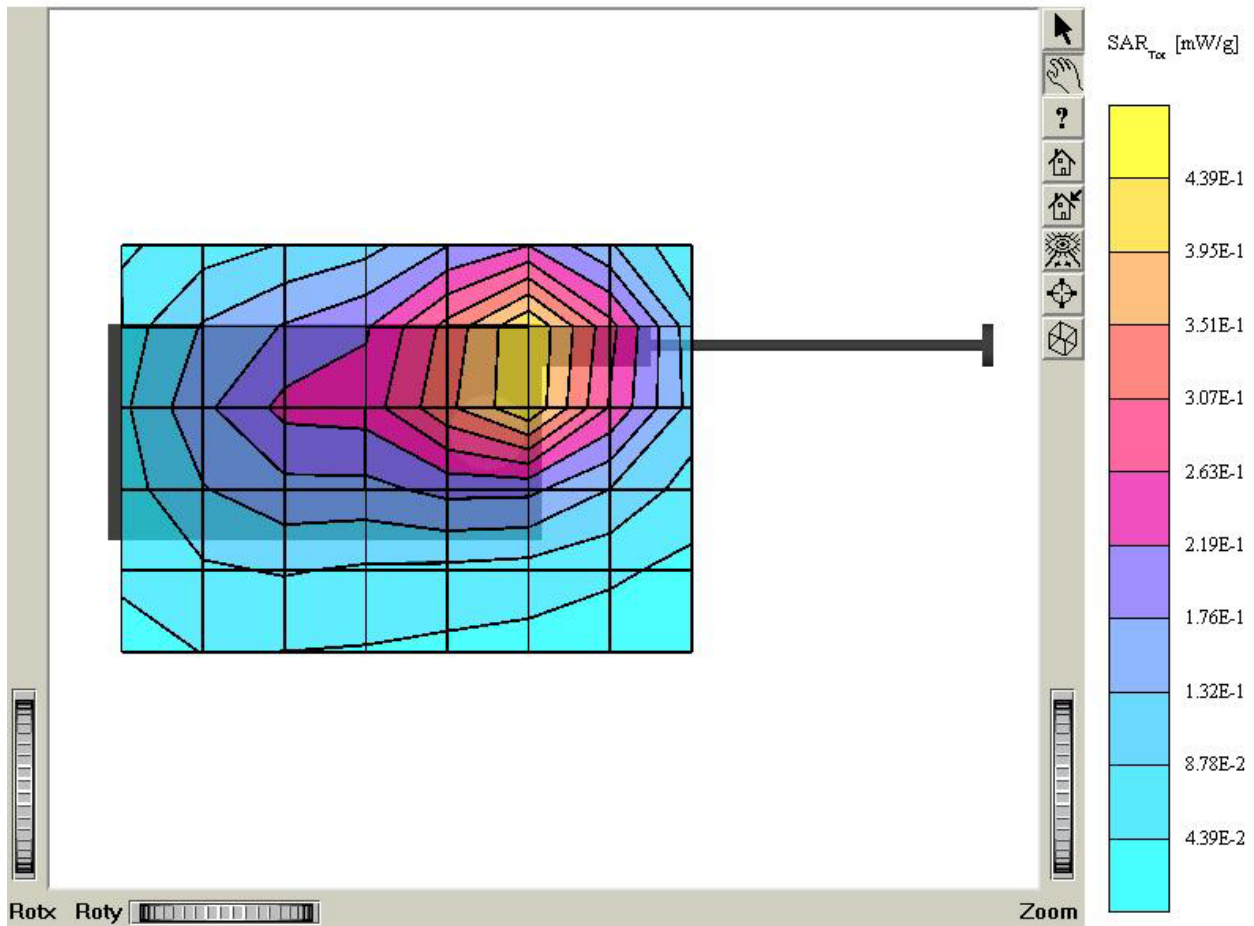
SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4,90,4,90,4,90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57 \text{ mho/m}$, $e_r = 52.6$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.659 mW/g, SAR (10g): 0.382 mW/g, Worst-case extrapolation
Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$
: Powerdrift: 0.03 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : in
Mode : PCS / Channel : 25 (1851.25MHz)
Conducted Power : 24.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (PCS CDMA)

TX-55C

SAM II Phantom: Flat Section; Position: (90°, 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.90,4.90,4.90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57 \text{ mho/m}$, $\epsilon_r = 52.6$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.426 mW/g, SAR (10g): 0.248 mW/g, Worst-case extrapolation
Coarse: $D_x = 15.0$, $D_y = 15.0$, $D_z = 10.0$
Powerdrift: -0.27 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : out
Mode : PCS / Channel : 25 (1851.25MHz)
Conducted Power : 24.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (PCS CDMA)

TX-55C

SAM II Phantom: Flat Section: Position: (90°, 90°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(4.90, 4.90, 4.90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57$ mho/m, $e_r = 52.6$, $r = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.641 mW/g, SAR (10g): 0.380 mW/g, Worst-case extrapolation

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

: Powerdrift: 0.23 dB

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

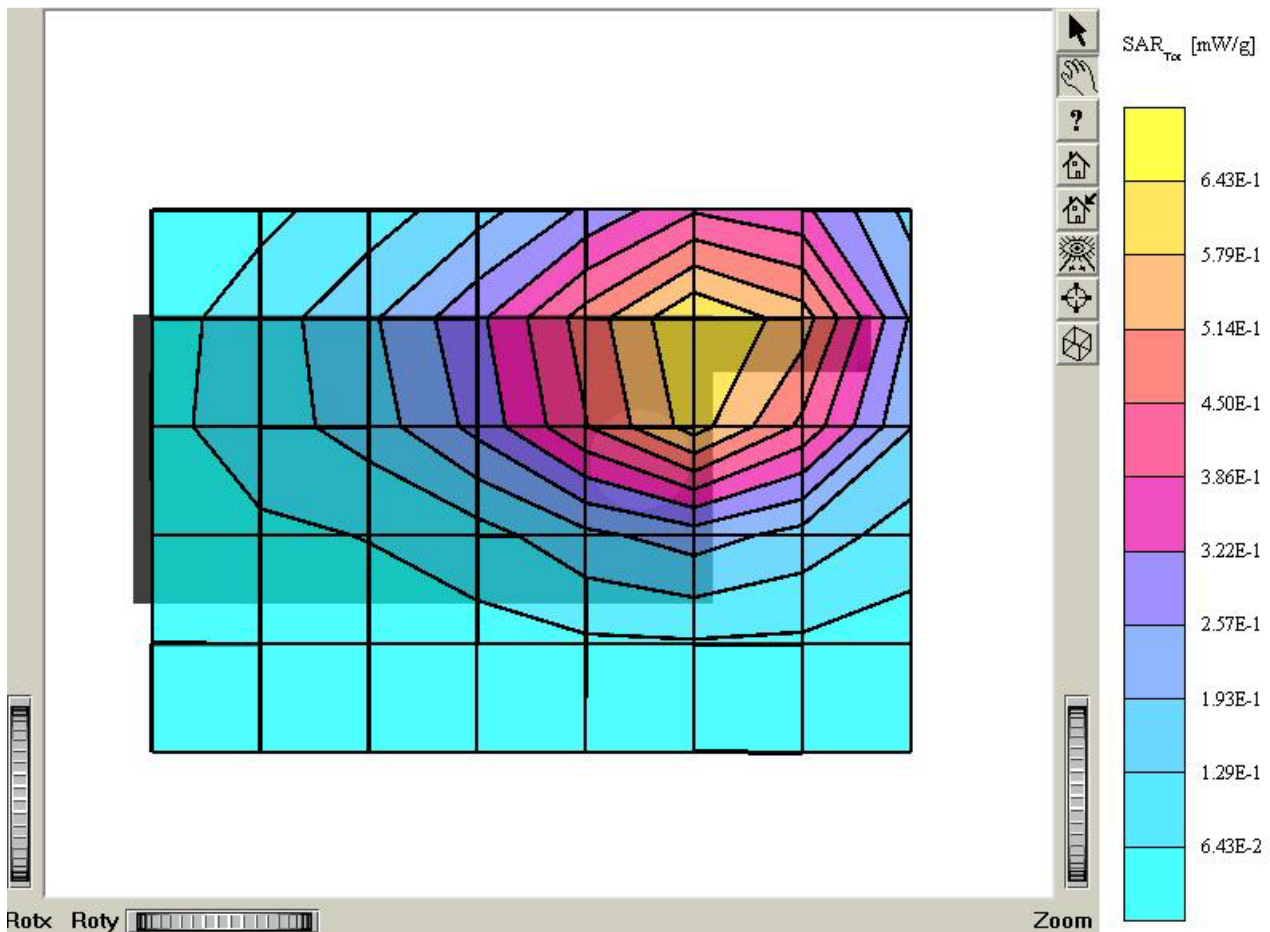
Antenna : in

Mode : PCS / Channel : 600 (1880.00MHz)

Conducted Power : 24.5 dBm

Liquid Temperature : 22.2 °C

Date Tested : November 9, 2002



■ Body SAR (PCS CDMA)

TX-55C

SAM II Phantom: Flat Section: Position: (90°, 90°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(4.90, 4.90, 4.90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57$ mho/m, $e_r = 52.6$, $r = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.641 mW/g, SAR (10g): 0.380 mW/g, Worst-case extrapolation

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

: Powerdrift: 0.23 dB

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

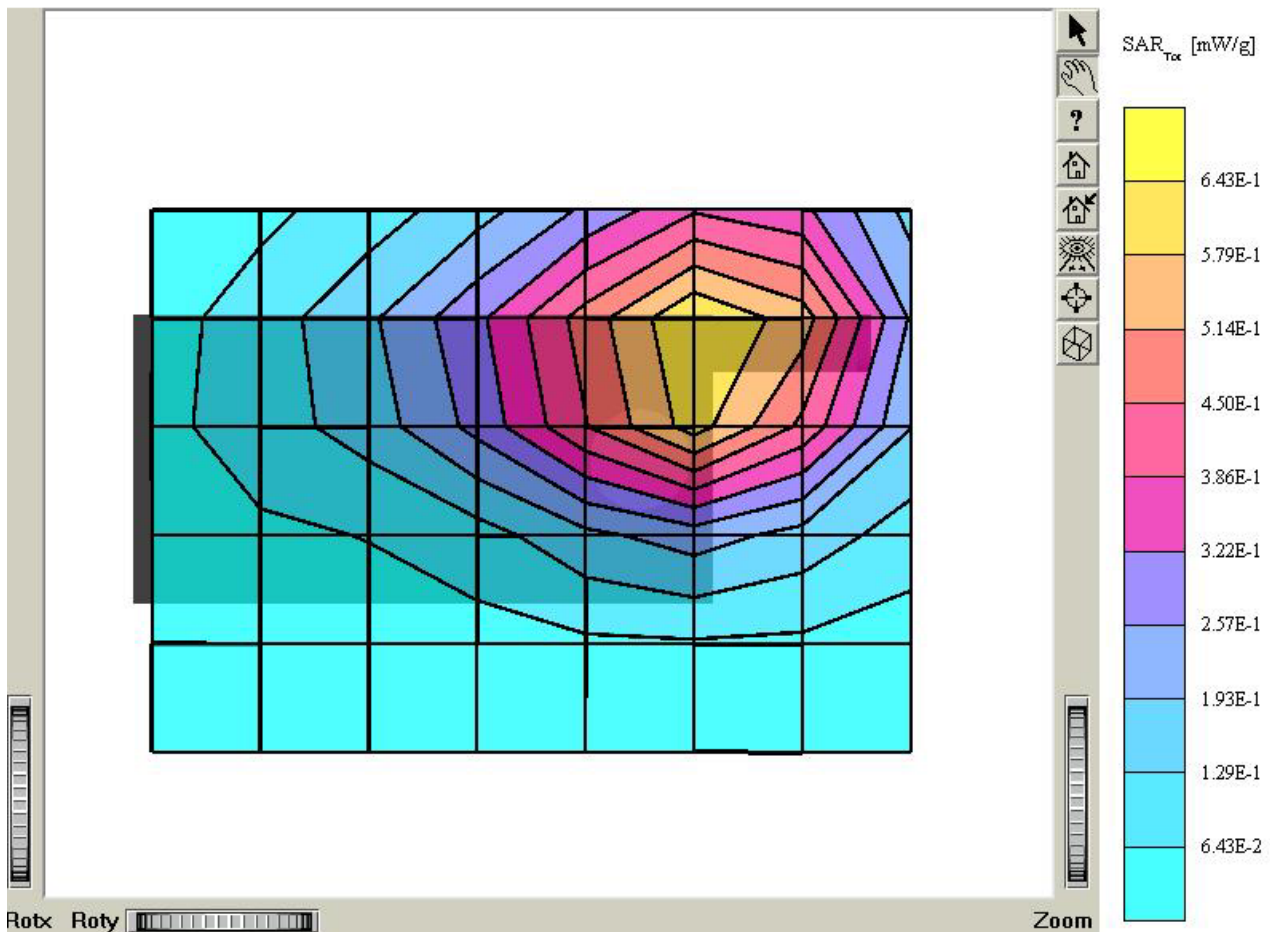
Antenna : in

Mode : PCS / Channel : 600 (1880.00MHz)

Conducted Power : 24.5 dBm

Liquid Temperature : 22.2 °C

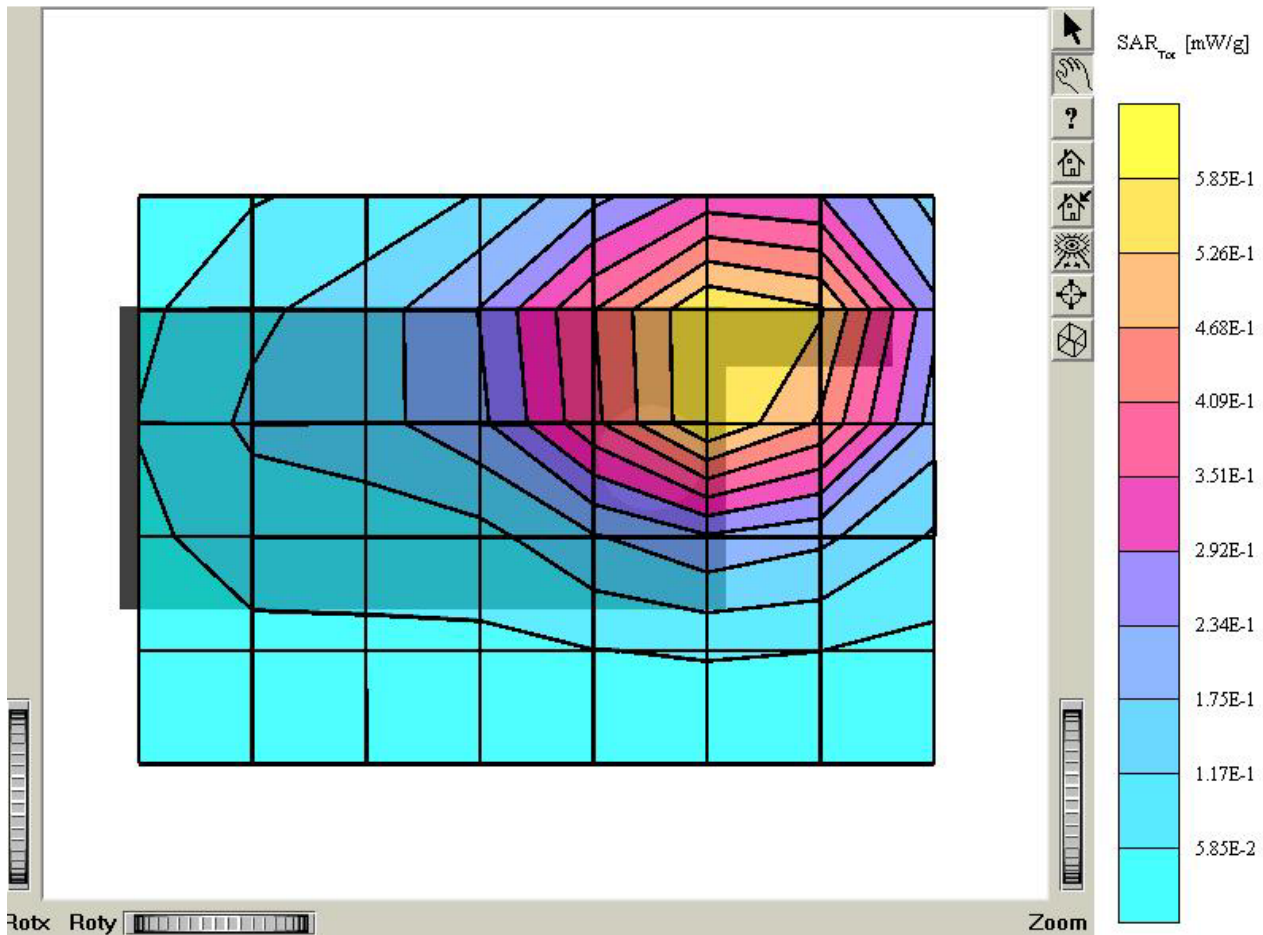
Date Tested : November 9, 2002



■ Body SAR (PCS CDMA)

TX-55C

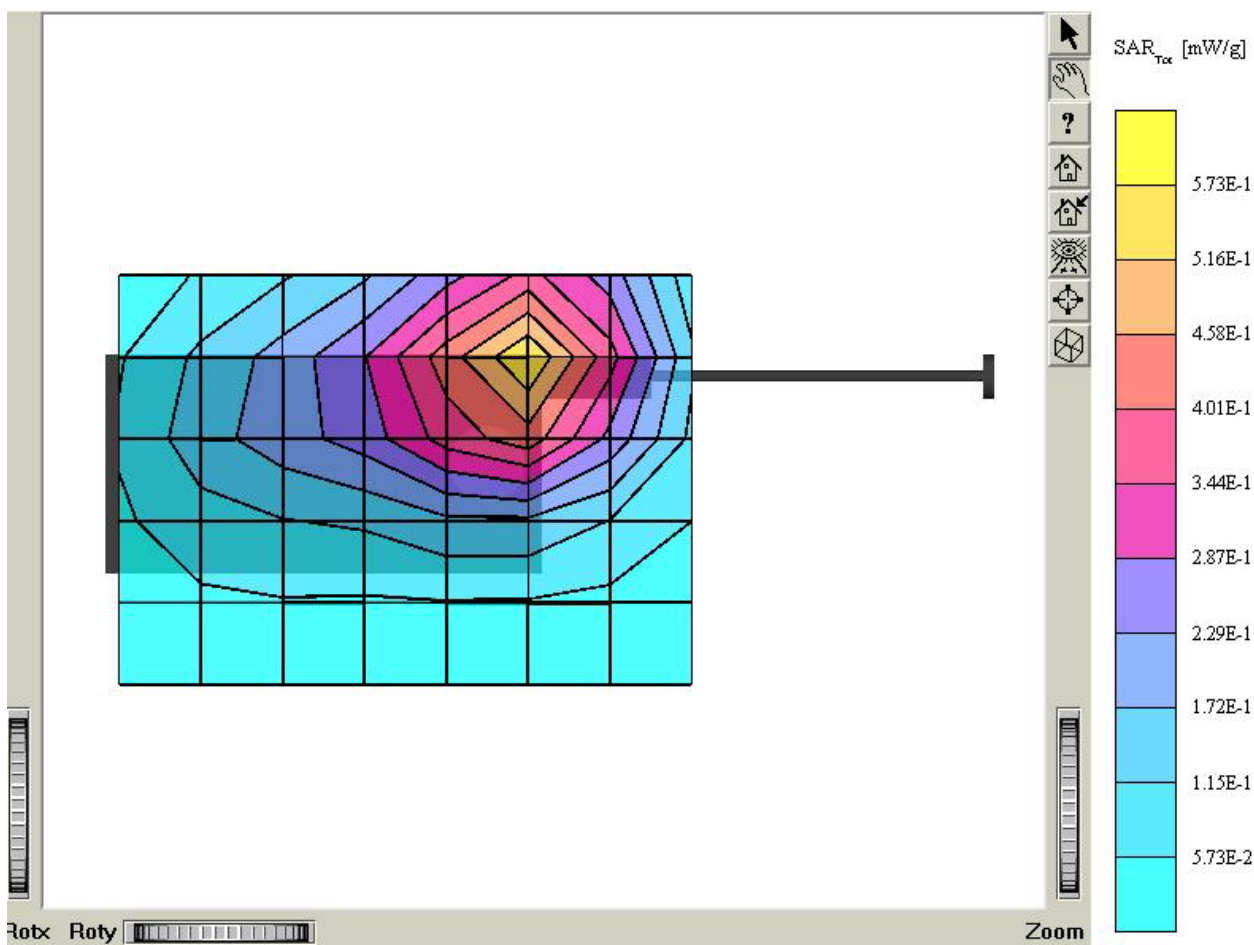
SAM II Phantom: Flat Section; Position: (90°, 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4,90,4,90,4,90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57$ mho/m $e_r = 52.6$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.596 mW/g, SAR (10g): 0.350 mW/g, Worst-case extrapolation
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
: Powerdrift: -0.15 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : in
Mode : PCS / Channel : 1175 (1908.75MHz)
Conducted Power : 24.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



■ Body SAR (PCS CDMA)

TX-55C

SAM II Phantom; Flat Section; Position: (90°, 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4,90,4,90,4,90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57$ mho/m, $\epsilon_r = 52.6$, $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.527 mW/g, SAR (10g): 0.307 mW/g, Worst-case extrapolation
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
: Powerdrift: 0.04 dB
Comment:
FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : out
Mode : PCS / Channel : 1175 (1908.75MHz)
Conducted Power : 24.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002



TX-55C

SAM I Phantom: Left Hand (CRP) Section: Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Brain 835 MHz: $s = 0.90 \text{ mho/m}$, $\epsilon = 41.1$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 1.21 mW/g, SAR (10g): 0.777 mW/g, Worst-case extrapolation
Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

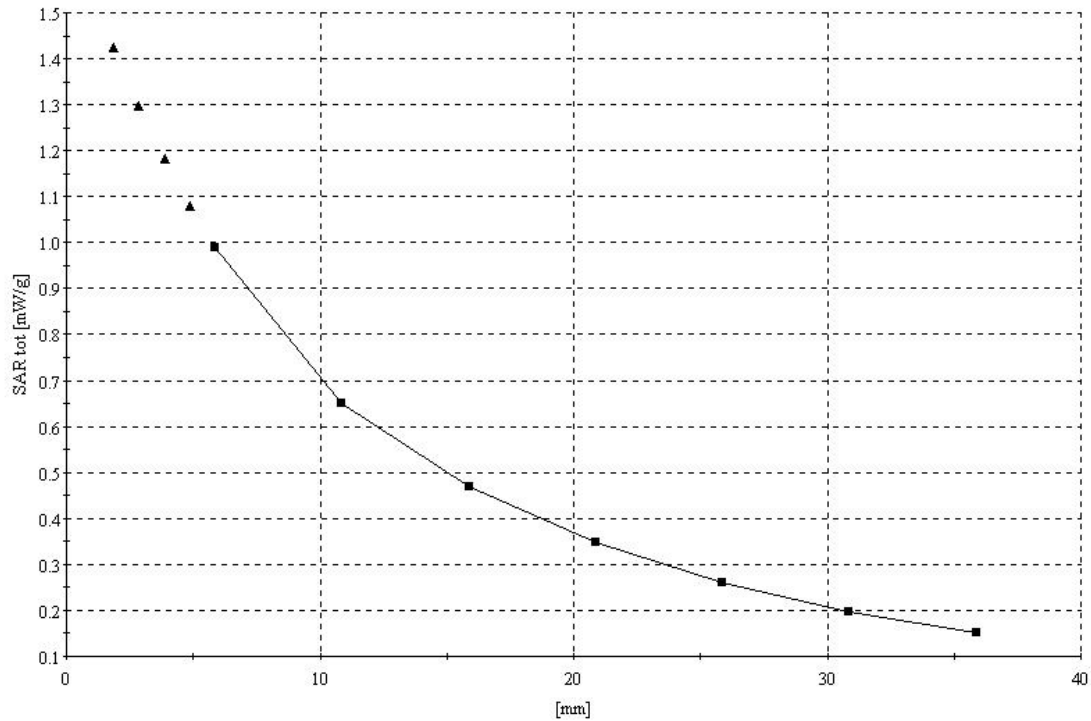
Test Position : Left Touch / Antenna : out

Mode : AMPS / Channel : 799 (848.97MHz)

Conducted Power : 26.5 dBm

Liquid Temperature : 22.1 °C

Date Tested : November 5, 2002



TX-55C

SAM 1 Phantom: Left Hand (CRP) Section: Position: (90°,180°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Brain 835 MHz: $s = 0.89 \text{ mho/m}$, $\epsilon_r = 41.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.990 mW/g, SAR (10g): 0.623 mW/g, Worst-case extrapolation
Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

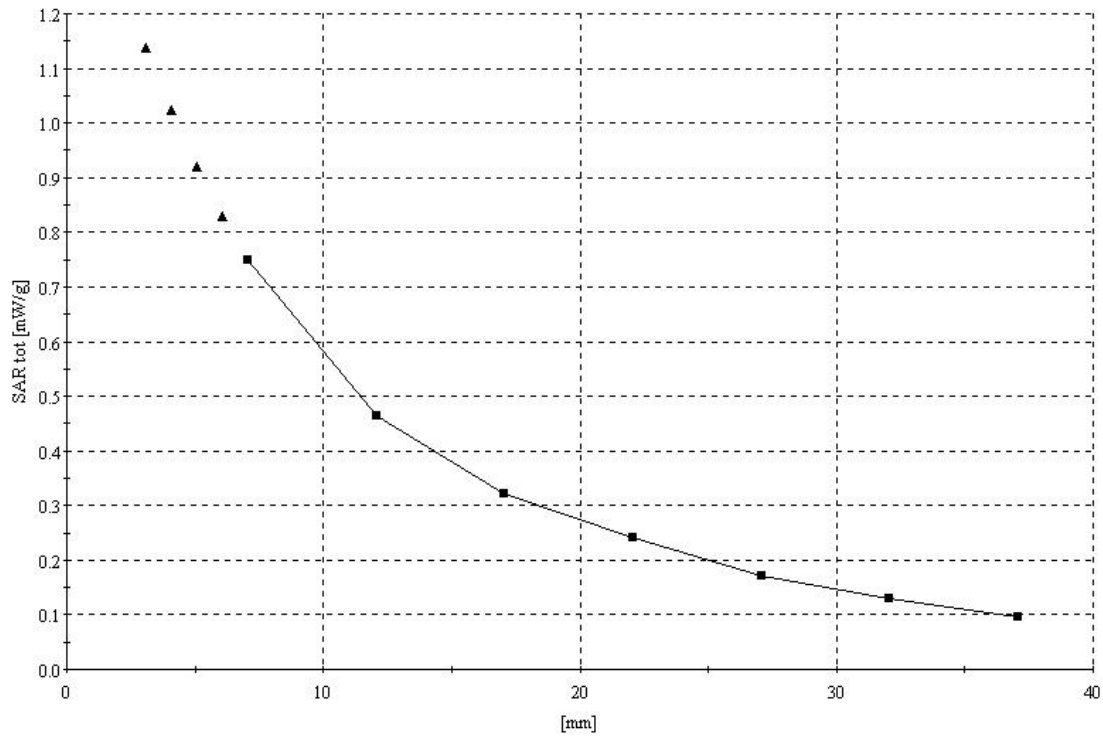
Test Position : Left Touch / Antenna : out

Mode : CDMA / Channel : 777 (848.31MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 22.5 °C

Date Tested : November 7, 2002



TX-55C

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5.40,5.40,5.40); Crest factor: 1.0; Brain 1900 MHz: $s = 1.42 \text{ mho/m}$, $e_r = 38.8$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.681 mW/g, Worst-case extrapolation
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

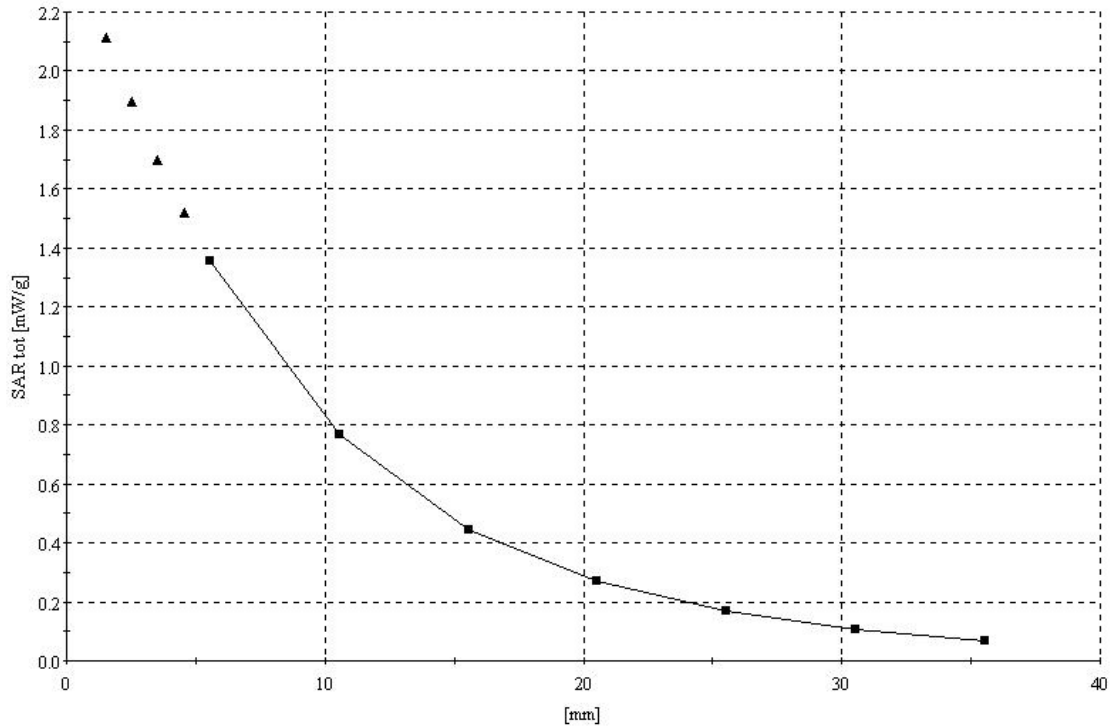
Test Position : Left Touch / Antenna : in

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

Conducted Power : 24.5 dBm

Liquid Temperature : 22.3 °C

Date Tested : November 8, 2002



TX-55C

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.583 mW/g, SAR (10g): 0.409 mW/g, Worst-case extrapolation
Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel Inc.

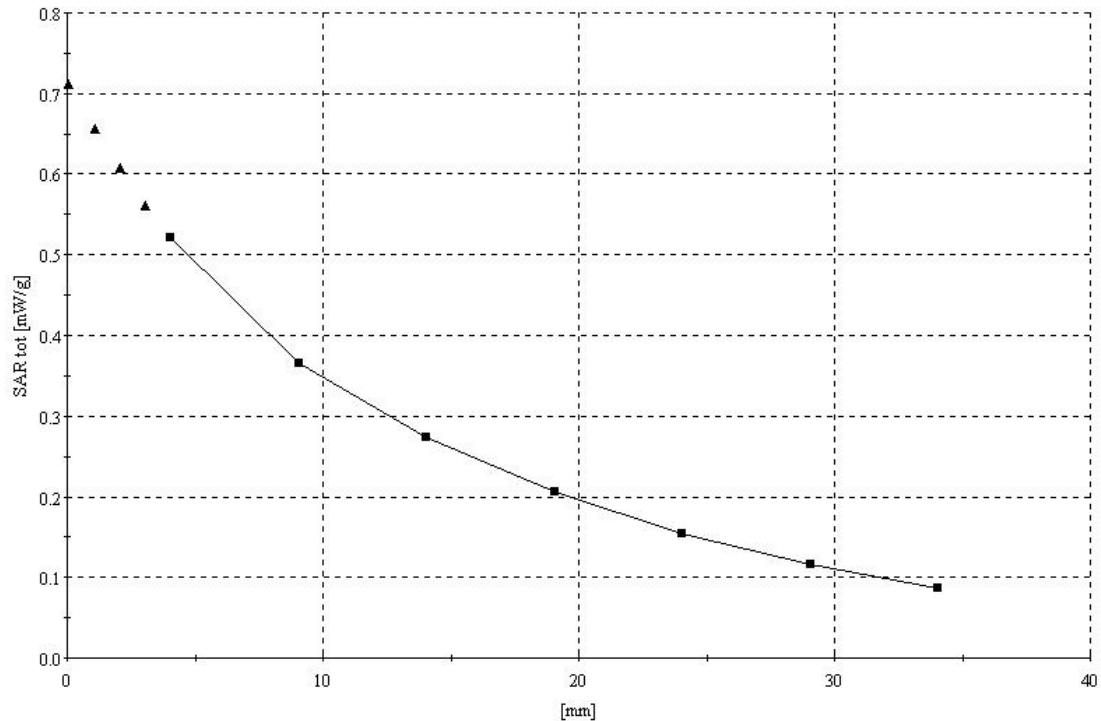
Antenna : out

Mode : AMPS / Channel : 383 (836.49MHz)

Conducted Power : 26.5 dBm

Liquid Temperature : 22.2 °C

Date Tested : November 9, 2002



TX-55C

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.30,6.30,6.30); Crest factor: 1.0; Body 835 MHz: $s = 0.99 \text{ mho/m}$, $e_r = 54.2$, $r = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.437 mW/g, SAR (10g): 0.303 mW/g, Worst-case extrapolation
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C

Company : Hyundai Curitel inc.

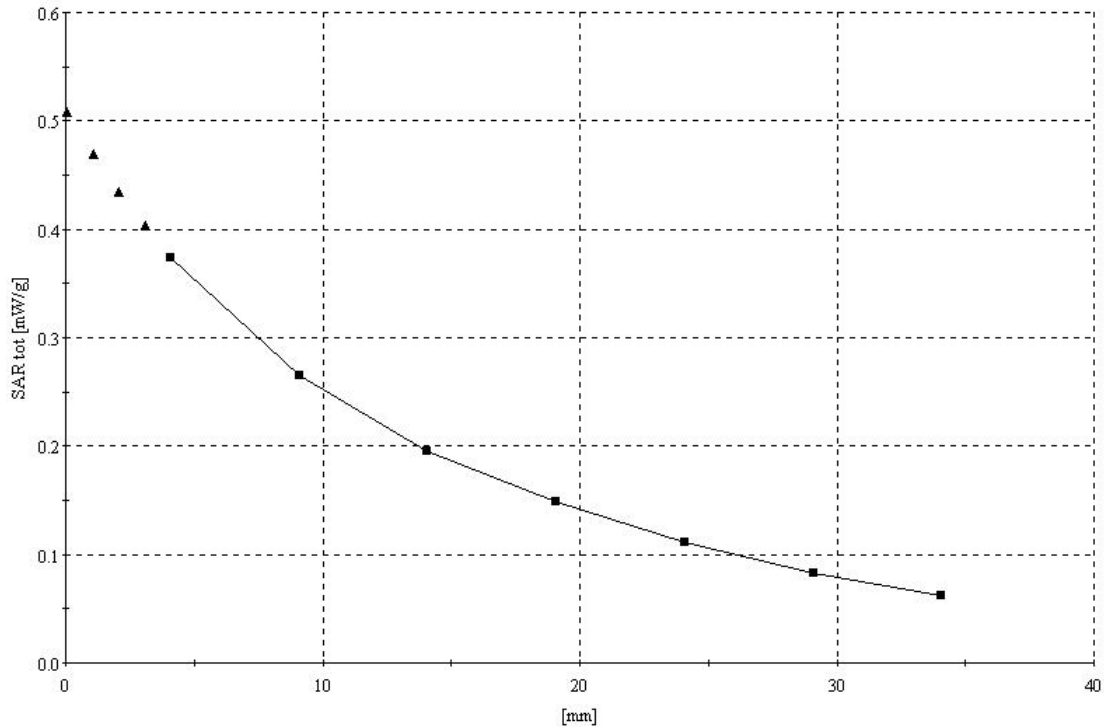
Antenna : out

Mode : CDMA / Channel : 363 (835.89MHz)

Conducted Power : 25.0 dBm

Liquid Temperature : 22.2 °C

Date Tested : November 9, 2002



TX-55C

SAM II Phantom: Flat Section; Position: (90°, 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.90, 4.90, 4.90); Crest factor: 1.0; Body 1900 MHz: $s = 1.57 \text{ mho/m}$, $\epsilon_r = 52.6$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.659 mW/g, SAR (10g): 0.382 mW/g, Worst-case extrapolation
Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

Comment:

FCC ID : PP4TX-55C / MODEL : TX-55C
Company : Hyundai Curitel inc.
Antenna : in
Mode : PCS / Channel : 25 (1851.25MHz)
Conducted Power : 24.5 dBm
Liquid Temperature : 22.2 °C
Date Tested : November 9, 2002

