

ATTACHMENT O – SAR TEST PLOTS (4 of 4)

TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97 \text{ mho/m}$ $\epsilon_r = 53.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.261 mW/g; SAR (10g): 0.180 mW/g

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

Powerdrift: 0.02 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

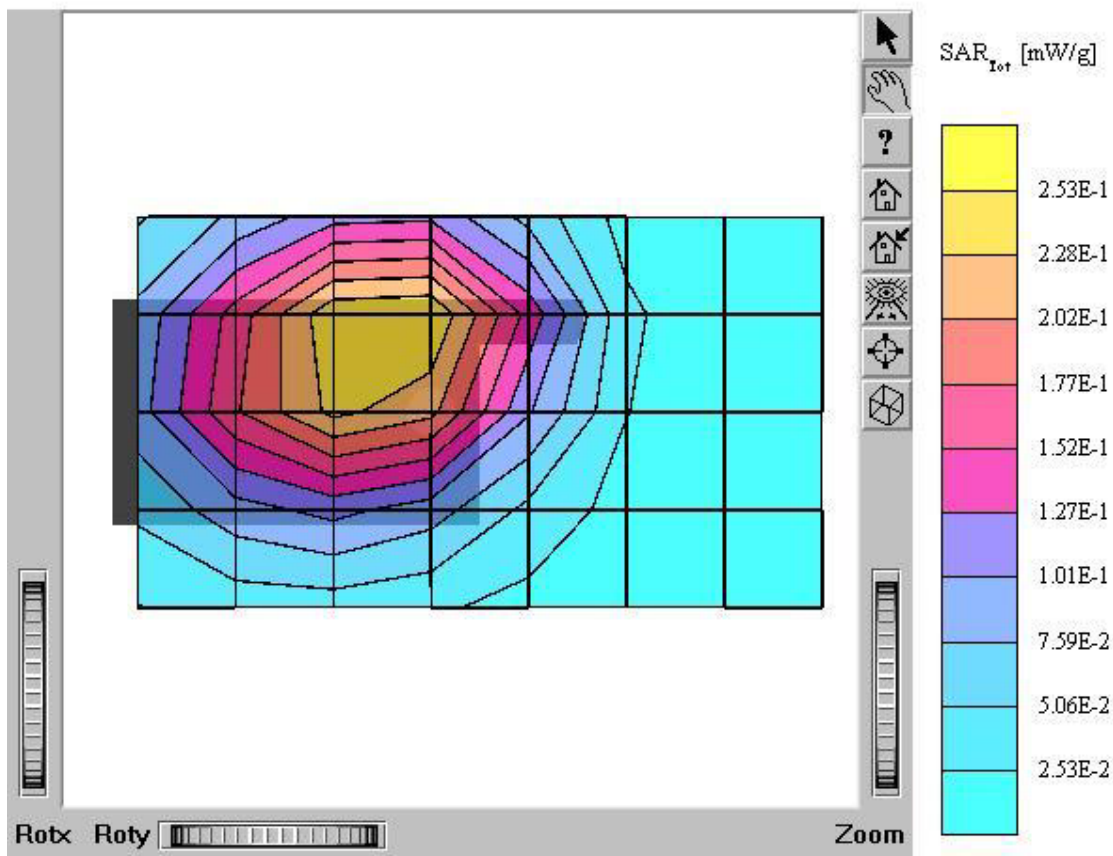
Test Position: Body / Antenna: in

Mode: AMPS / Channel: 991 (824.04MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ ρ

$= 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.376 mW/g, SAR (10g): 0.261 mW/g

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

Powerdrift: -0.07 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

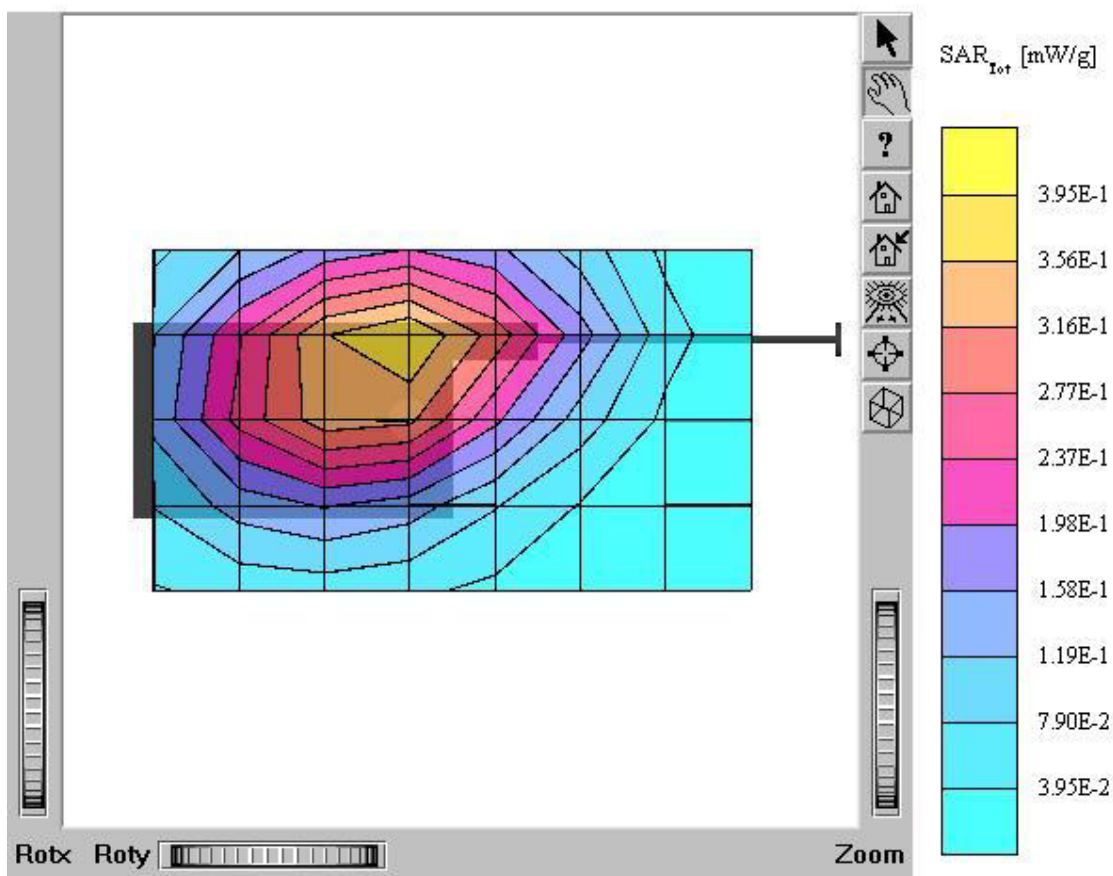
Test Position: Body / Antenna: out

Mode: AMPS / Channel: 991 (824.04MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.296 mW/g, SAR (10g): 0.205 mW/g

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

Powerdrift: 0.01 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

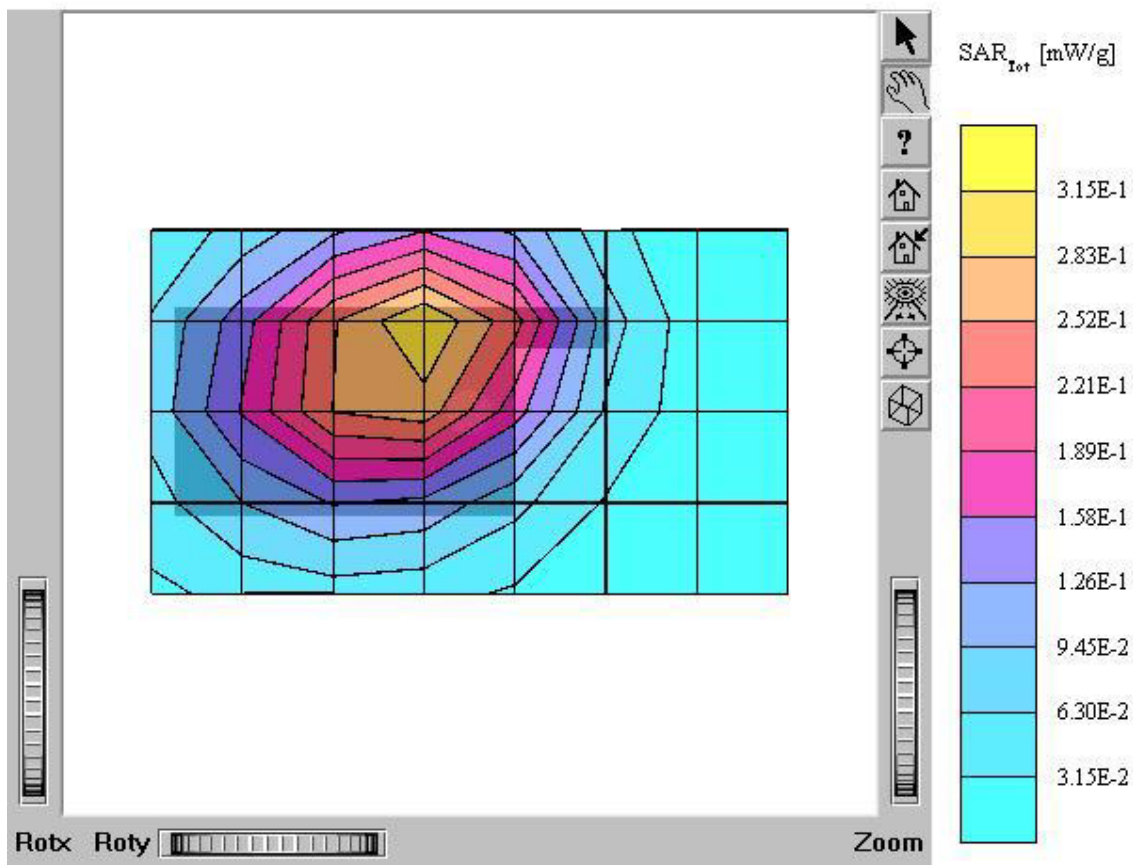
Test Position: Body / Antenna: in

Mode: AMPS / Channel: 383 (836.49MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.504 mW/g, SAR (10g): 0.350 mW/g

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

Powerdrift: -0.02 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

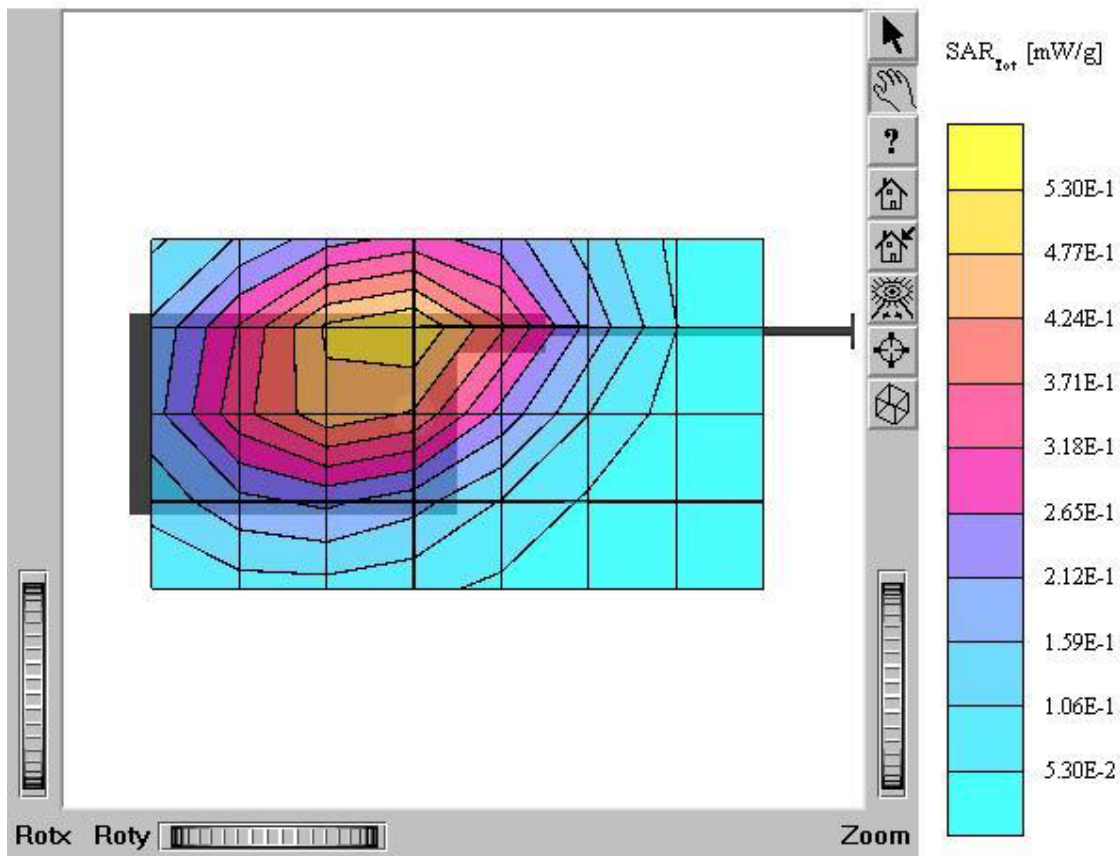
Test Position: Body / Antenna: out

Mode: AMPS / Channel: 383 (836.49MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.372 mW/g, SAR(10g): 0.256 mW/g

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

Powerdrift: -0.10 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

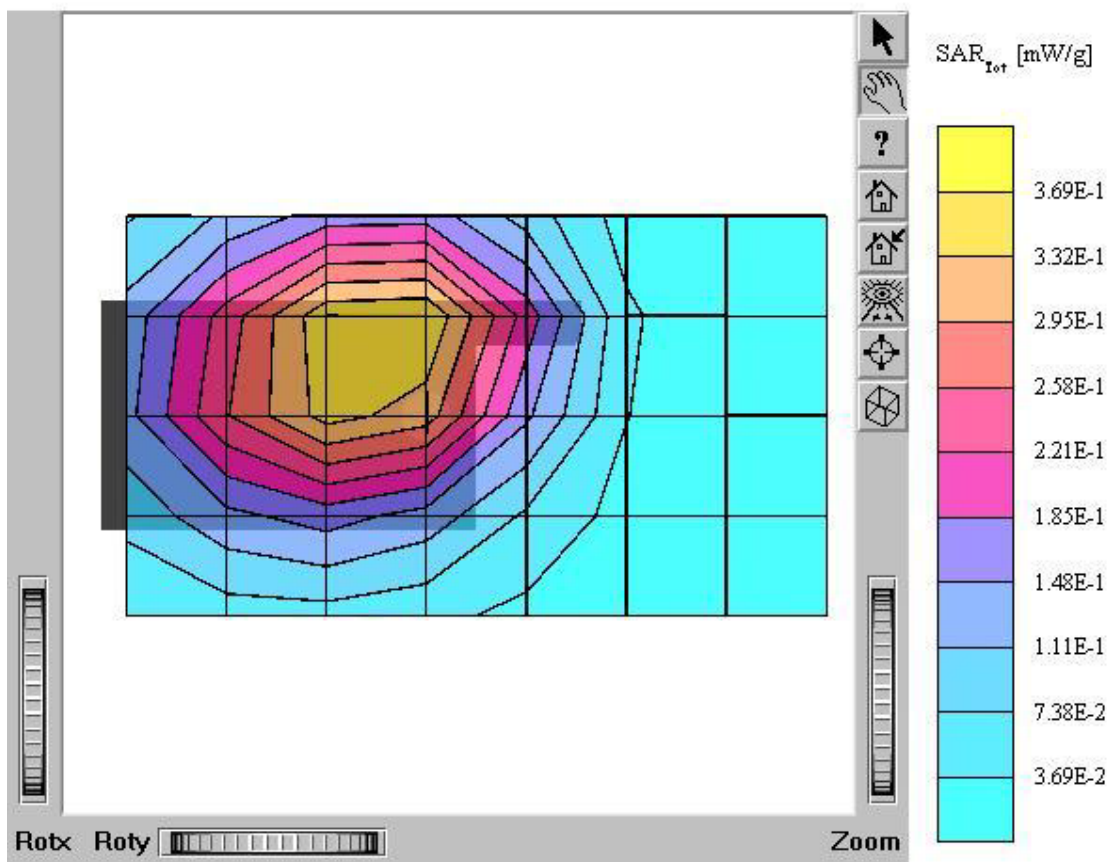
Test Position: Body / Antenna: in

Mode: AMPS / Channel: 799 (848.97MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.577 mW/g, SAR(10g): 0.399 mW/g

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

Powerdrift: -0.00 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

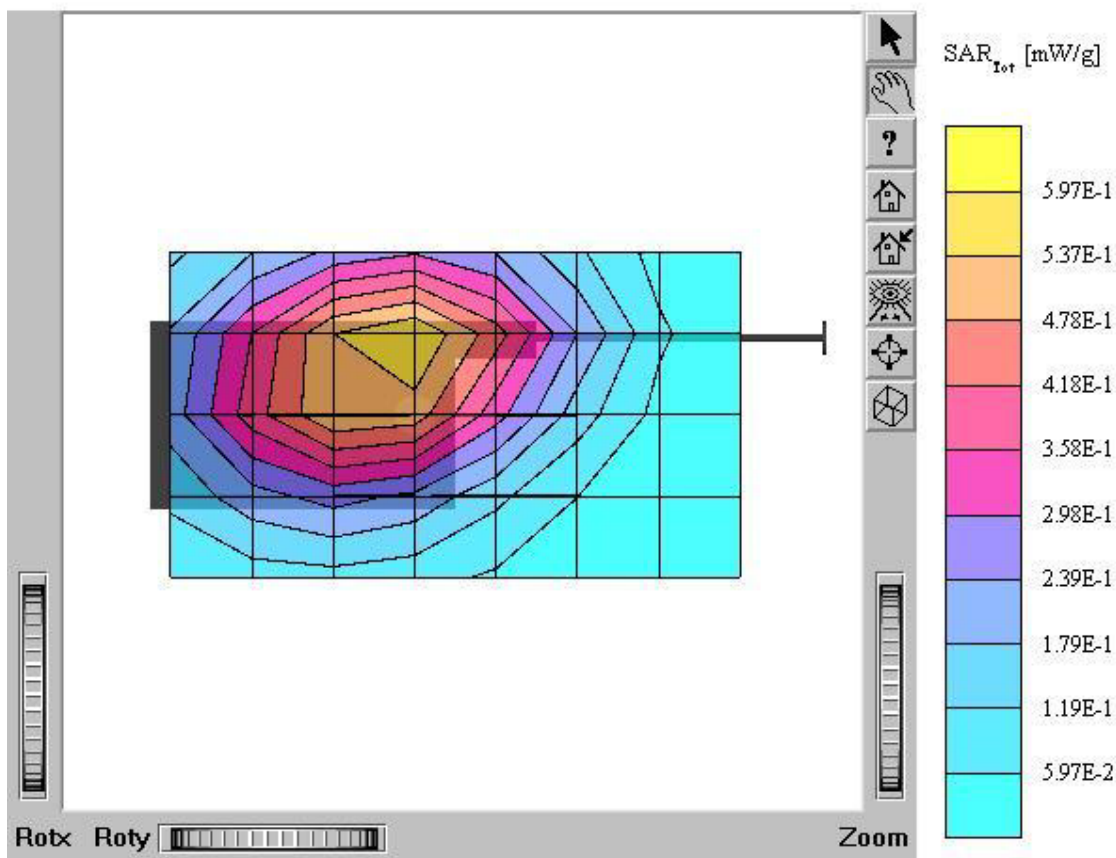
Test Position: Body / Antenna: out

Mode: AMPS / Channel: 799 (848.97MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.684 mW/g, SAR (10g): 0.473 mW/g

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

Powerdrift: -0.02 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210 (E-battery)

Company: Hyundai Curitel Inc.

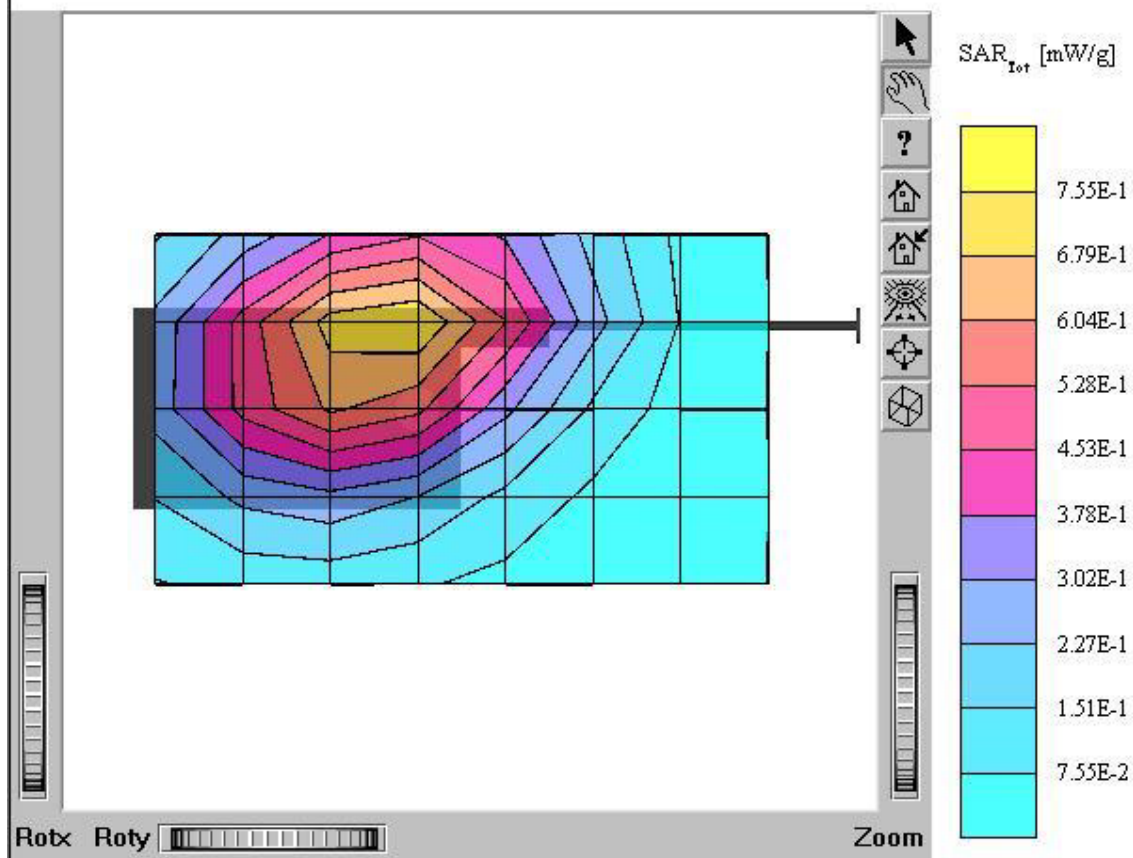
Test Position: Body / Antenna: out

Mode: AMPS / Channel: 799 (848.97MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95 \text{ mho/m}$ $\epsilon_r = 53.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.364 mW/g, SAR (10g): 0.253 mW/g

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

Powerdrift: 0.05 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

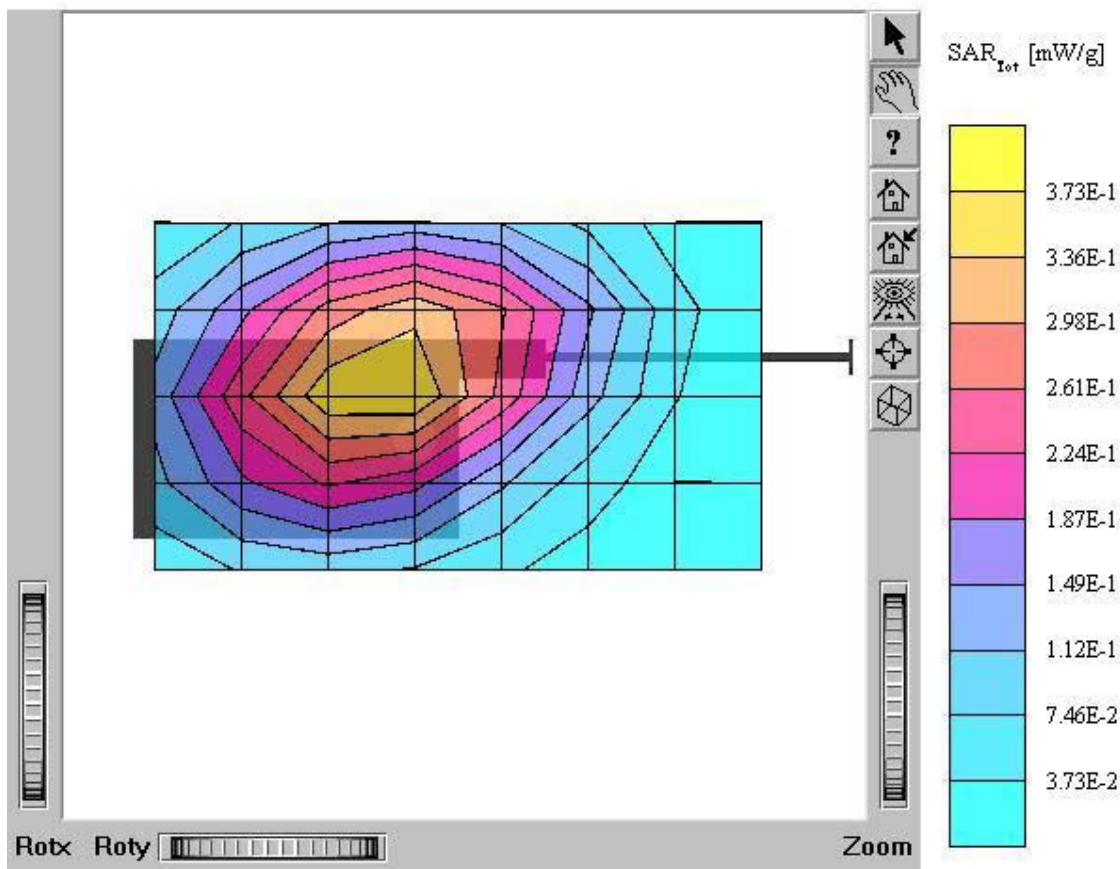
Test Position: Body / Antenna: out

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power: 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 53.9$

$\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.235 mW/g, SAR (10g): 0.163 mW/g

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

Powerdrift: -0.03 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

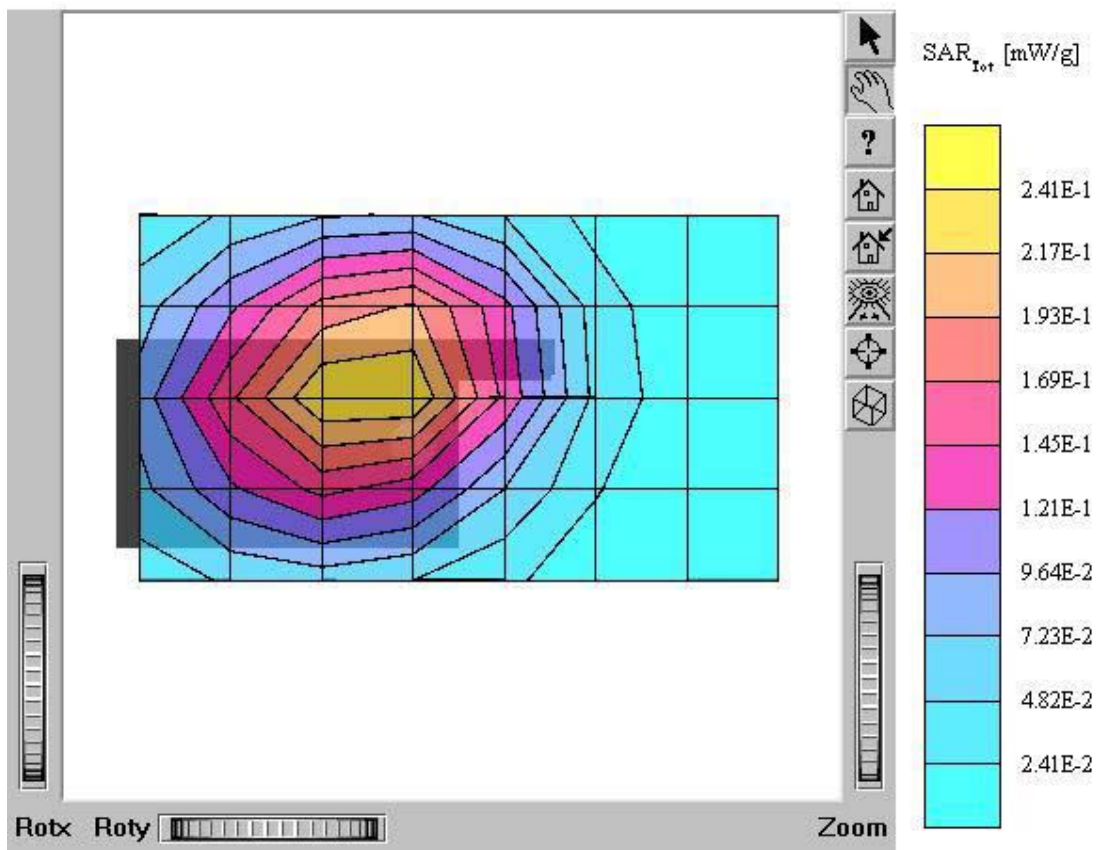
Test Position: Body / Antenna: in

Mode: CDMA / Channel: 363 (833.89MHz)

Conducted Power: 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.412 mW/g, SAR(10g): 0.286 mW/g

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

Powerdrift: -0.07 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

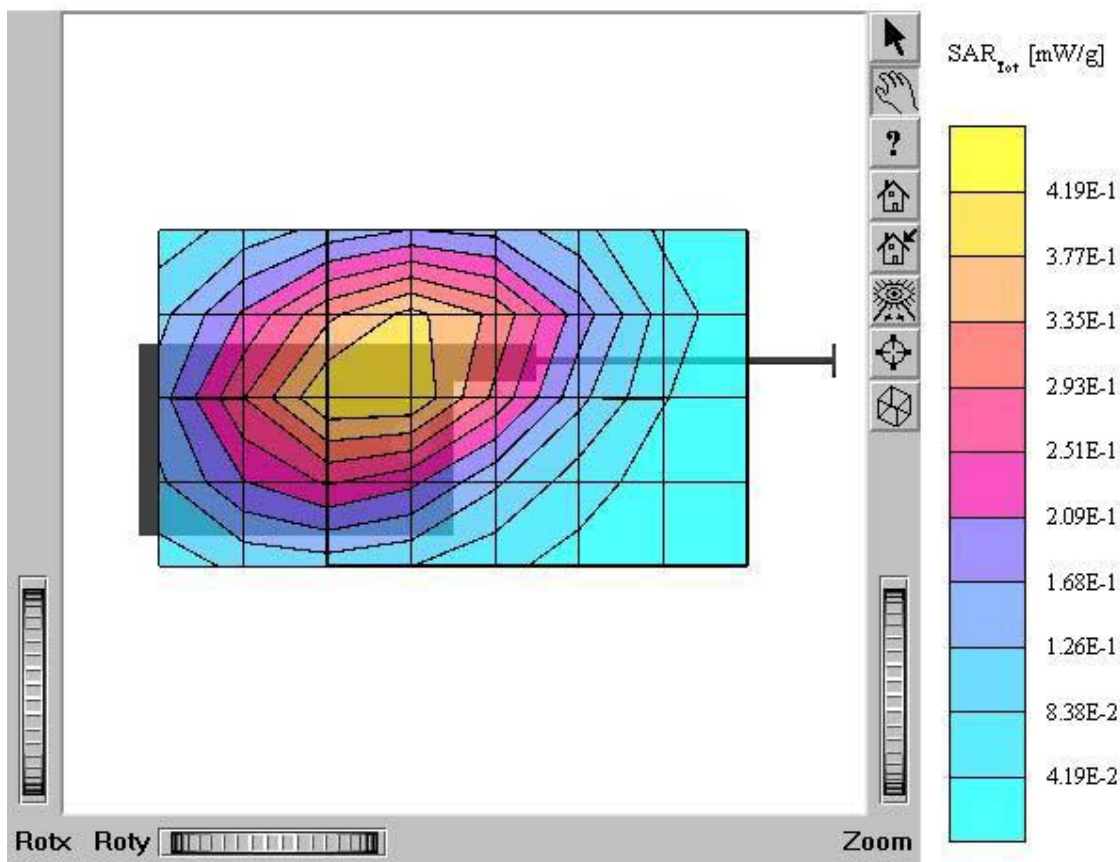
Test Position: Body / Antenna: out

Mode: CDMA / Channel: 363 (833.89MHz)

Conducted Power: 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95 \text{ mho/m}$ $\epsilon_r = 53.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.374 mW/g, SAR(10g): 0.259 mW/g

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

Powerdrift: -0.14 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

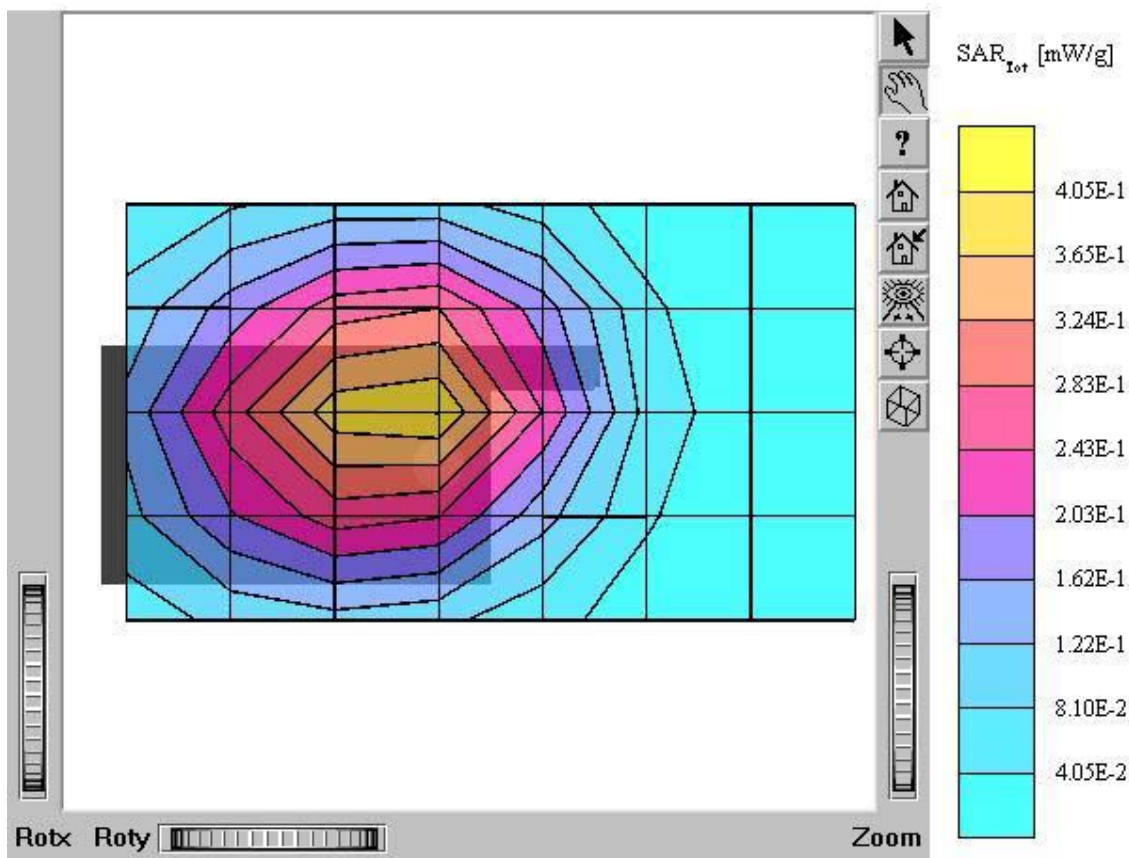
Test Position: Body / Antenna: in

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power: 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.579 mW/g, SAR (10g): 0.403 mW/g

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

Powerdrift: -0.10 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

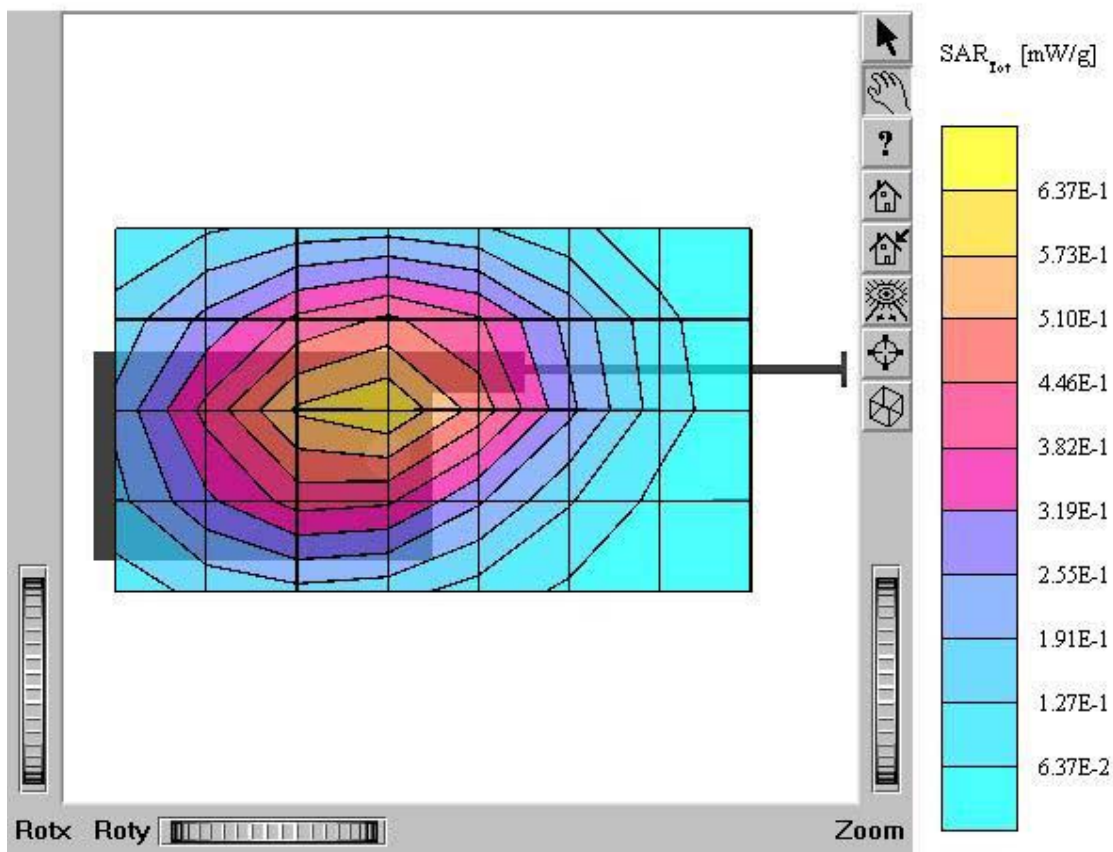
Test Position: Body / Antenna: out

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power: 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR(1g): 0.563 mW/g, SAR(10g): 0.392 mW/g

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

Powerdrift: -0.09 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210 (E-battery)

Company: Hyundai Curitel Inc.

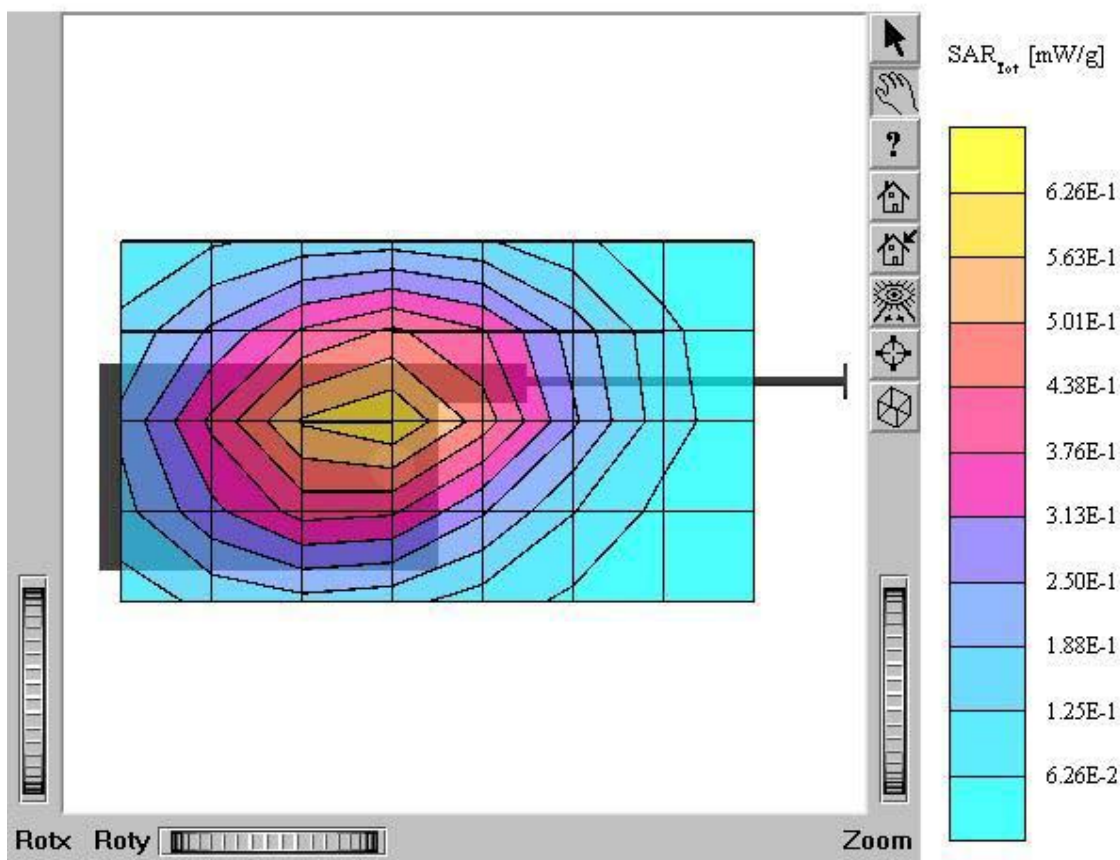
Test Position: Body / Antenna: out

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power: 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54,4.54,4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$

$\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.412 mW/g, SAR (10g): 0.249 mW/g

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

Powerdrift: 0.00 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

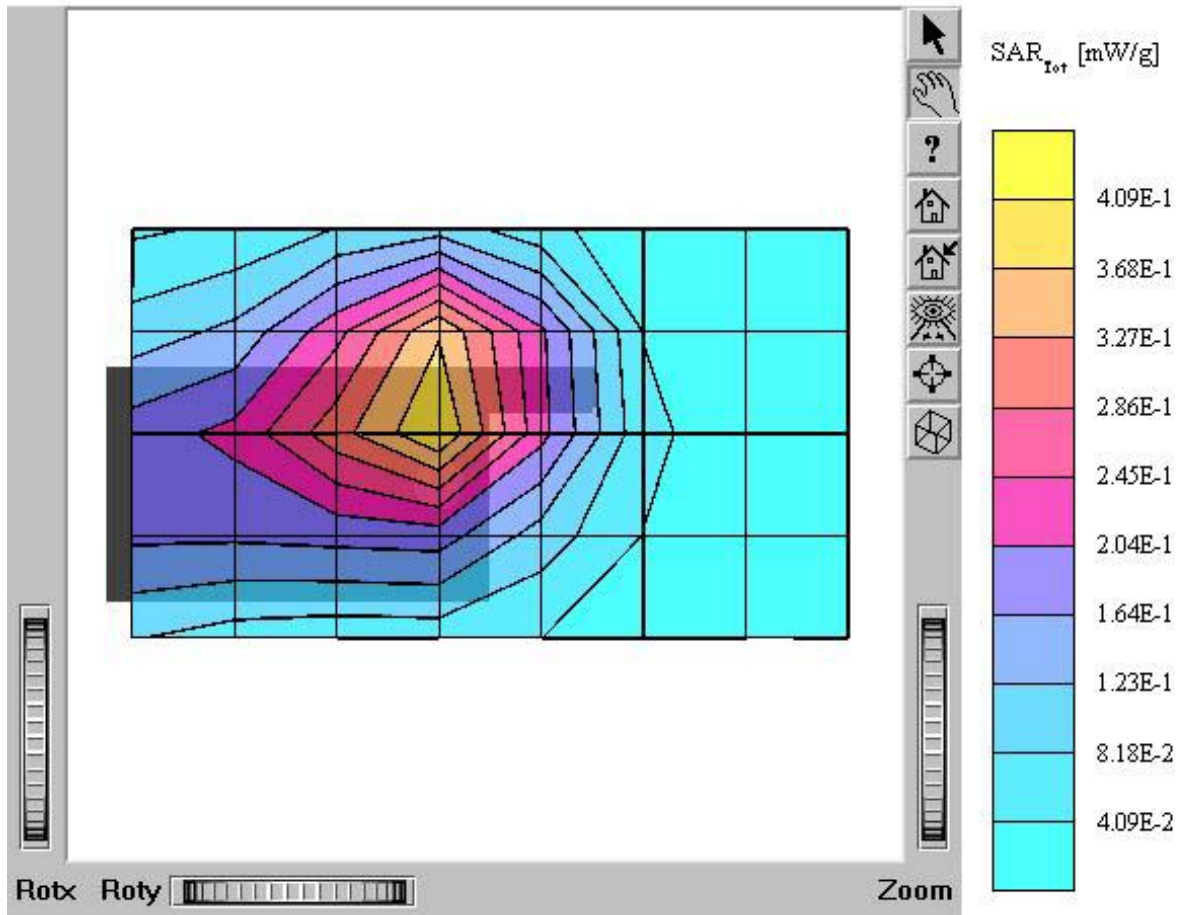
Test Position: Body / Antenna: in

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1°C

Date Tested : February 20, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54,4.54,4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$, $\epsilon_r = 50.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.05 mW/g, SAR (10g): 0.614 mW/g

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

Powerdrift: -0.09 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

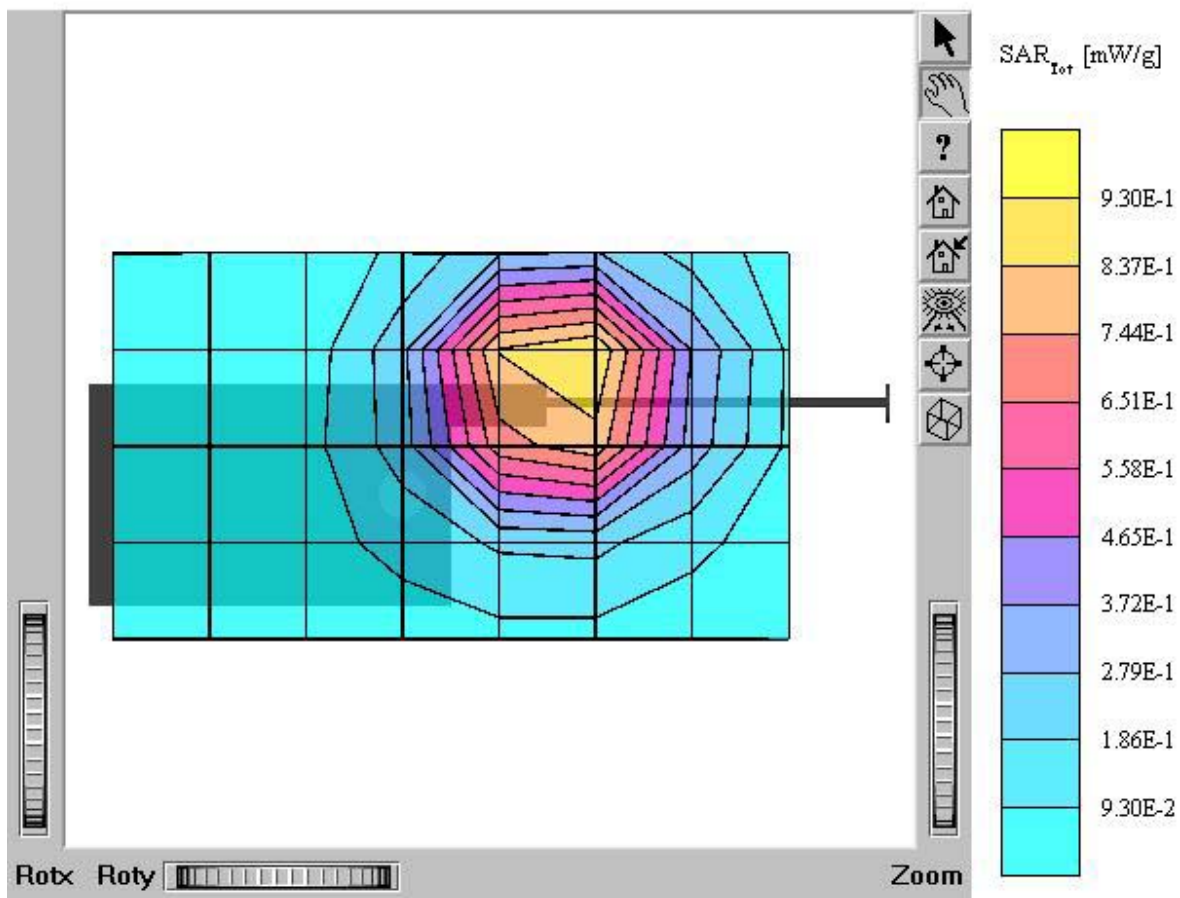
Test Position: Body / Antenna: out

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54,4.54,4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.04 mW/g, SAR (10g): 0.610 mW/g

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

Powerdrift: -0.05 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210 (E-battery)

Company: Hyundai Curitel Inc.

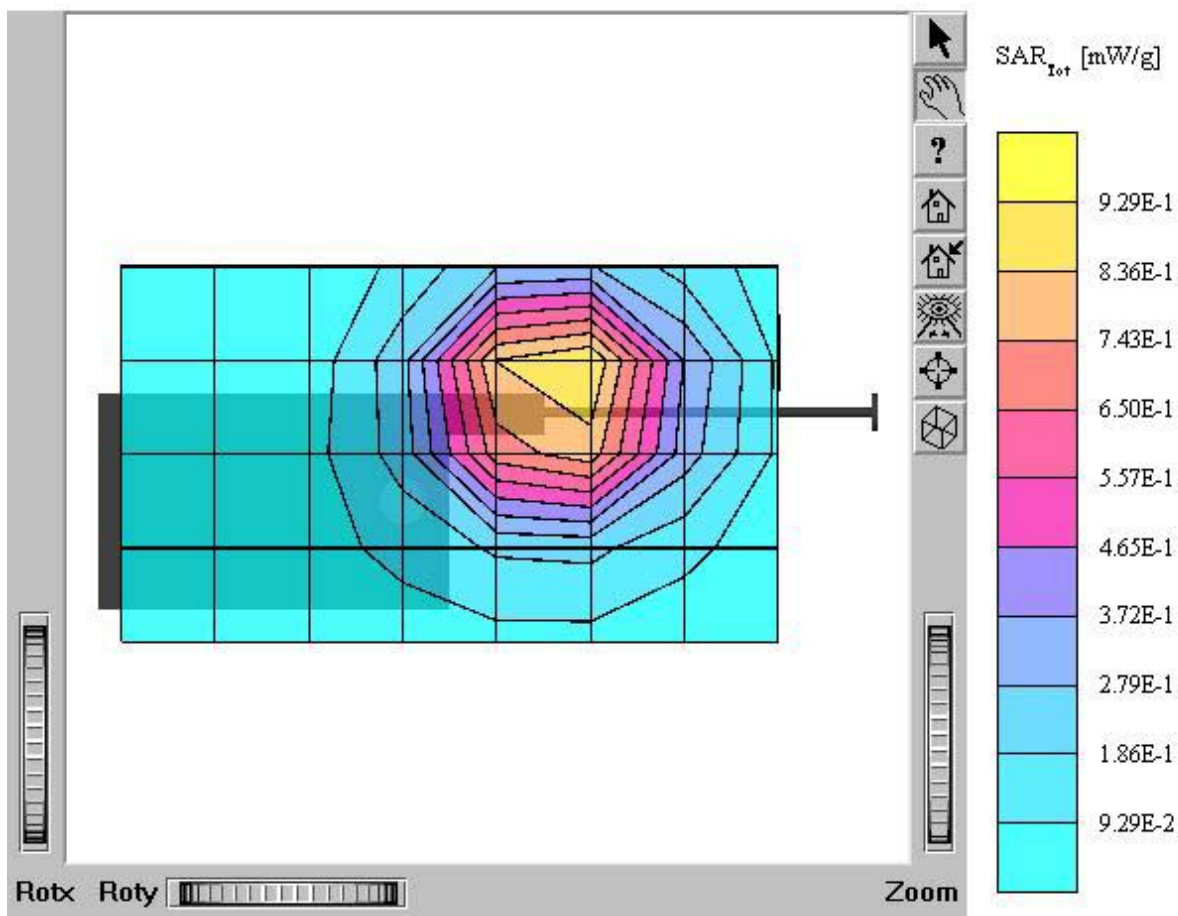
Test Position: Body / Antenna: out

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54,4.54,4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.468 mW/g, SAR(10g): 0.280 mW/g

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

Powerdrift: -0.10 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

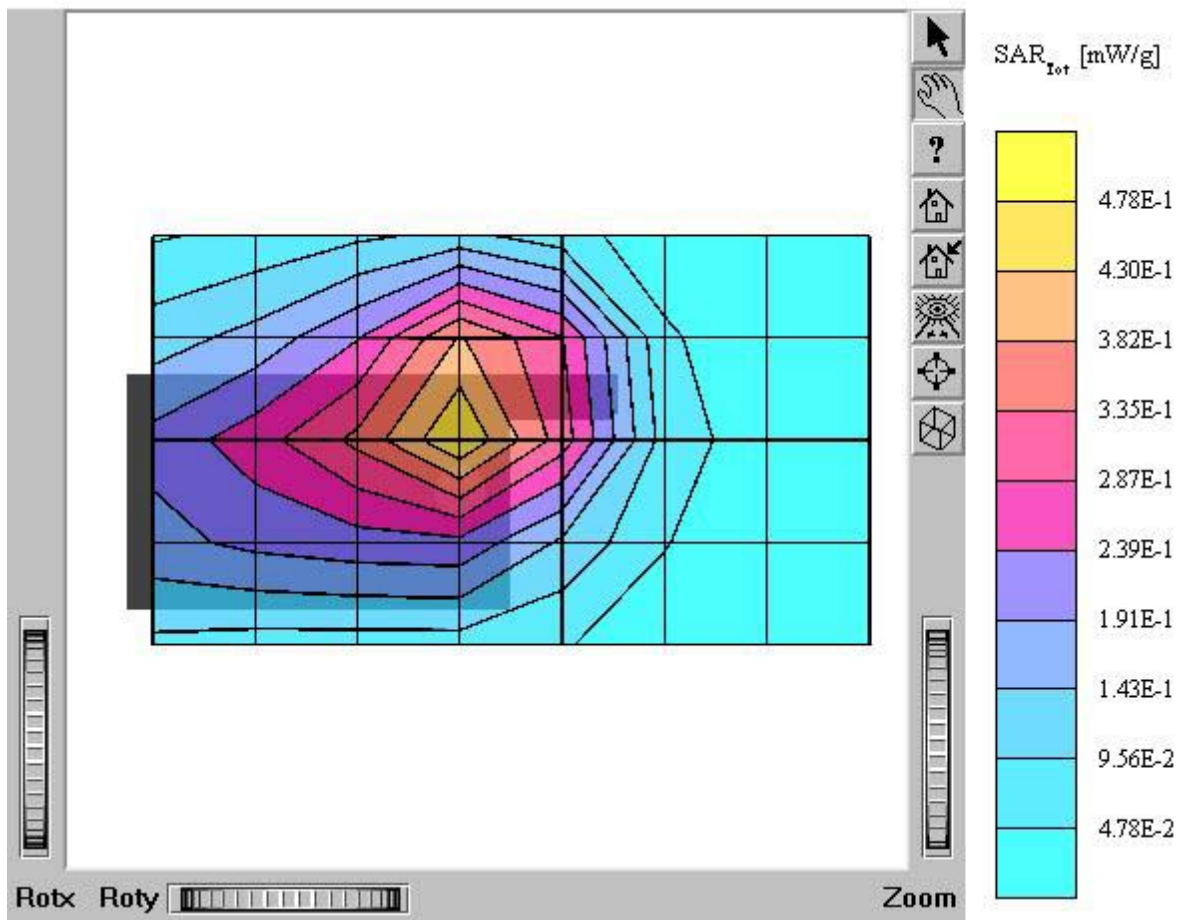
Test Position: Body / Antenna: in

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54, 4.54, 4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$, $\epsilon_r = 50.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.874 mW/g, SAR (10g): 0.512 mW/g

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

Powerdrift: 0.04 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

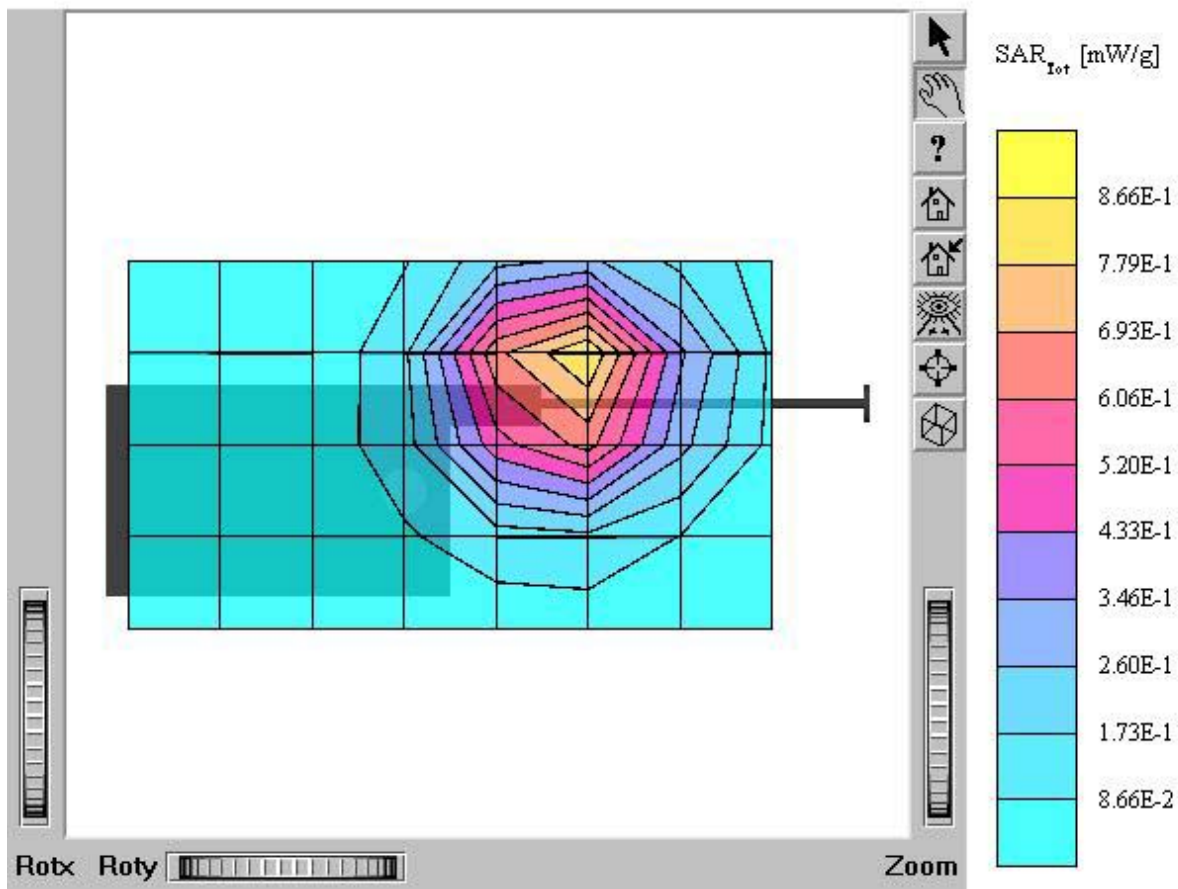
Test Position: Body / Antenna: out

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54,4.54,4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.620 mW/g, SAR(10g): 0.367 mW/g

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

Powerdrift: -0.30 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

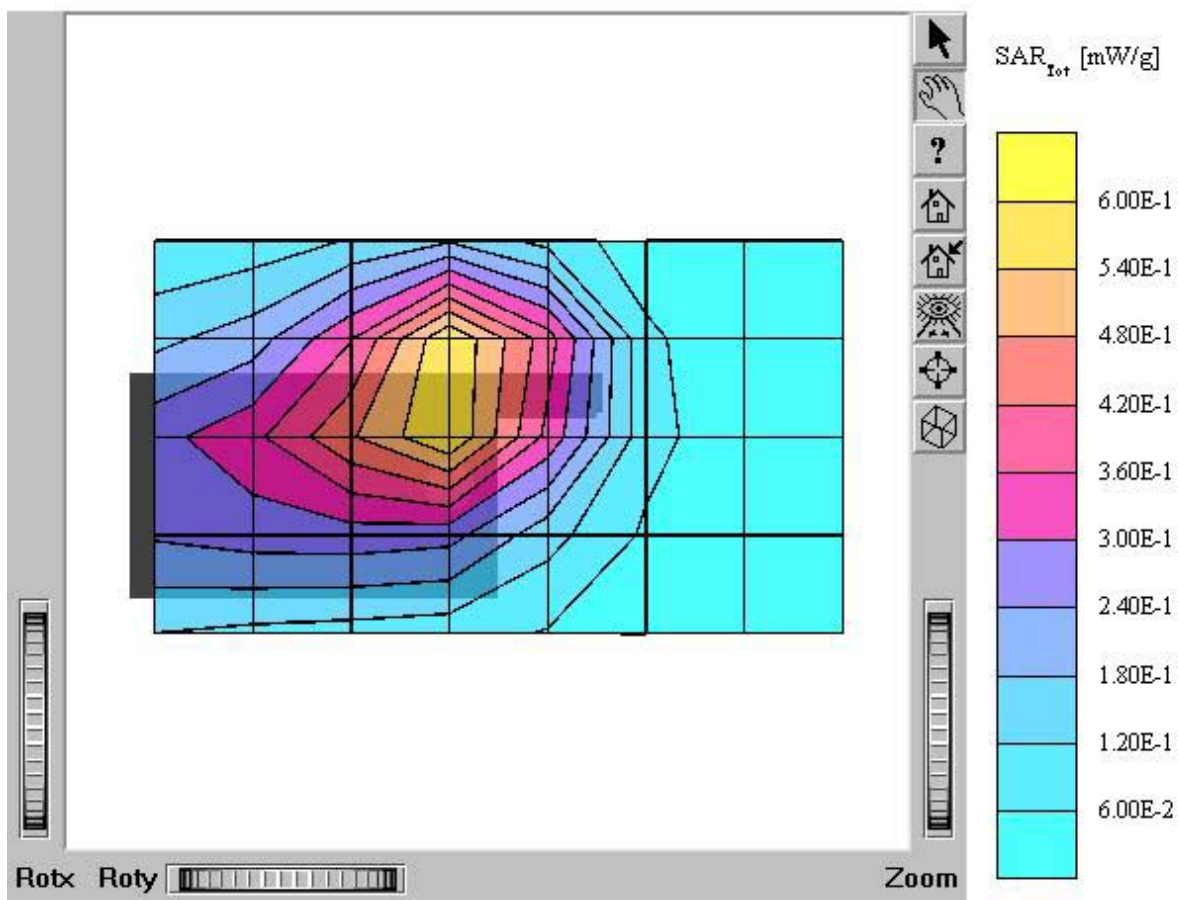
Test Position: Body / Antenna: in

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005



TX-210 (Body)

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

Probe: ET3DV6 - SN1607; ConvF(4.54, 4.54, 4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.922 mW/g, SAR (10g): 0.534 mW/g

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

Powerdrift: 0.06 dB

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

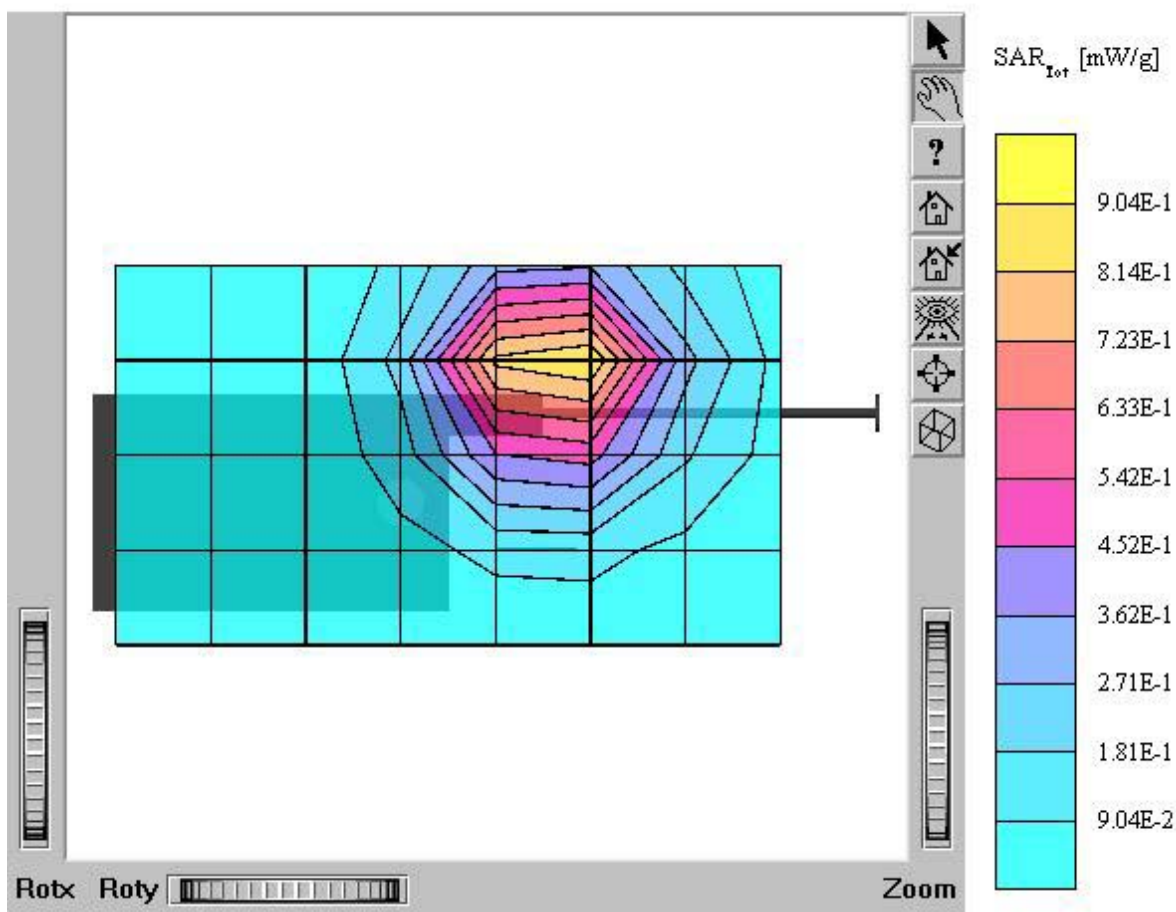
Test Position: Body / Antenna: out

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005



TX-210

SAM I Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $\sigma = 0.89 \text{ mho/m}$ $\epsilon_r = 41.0$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

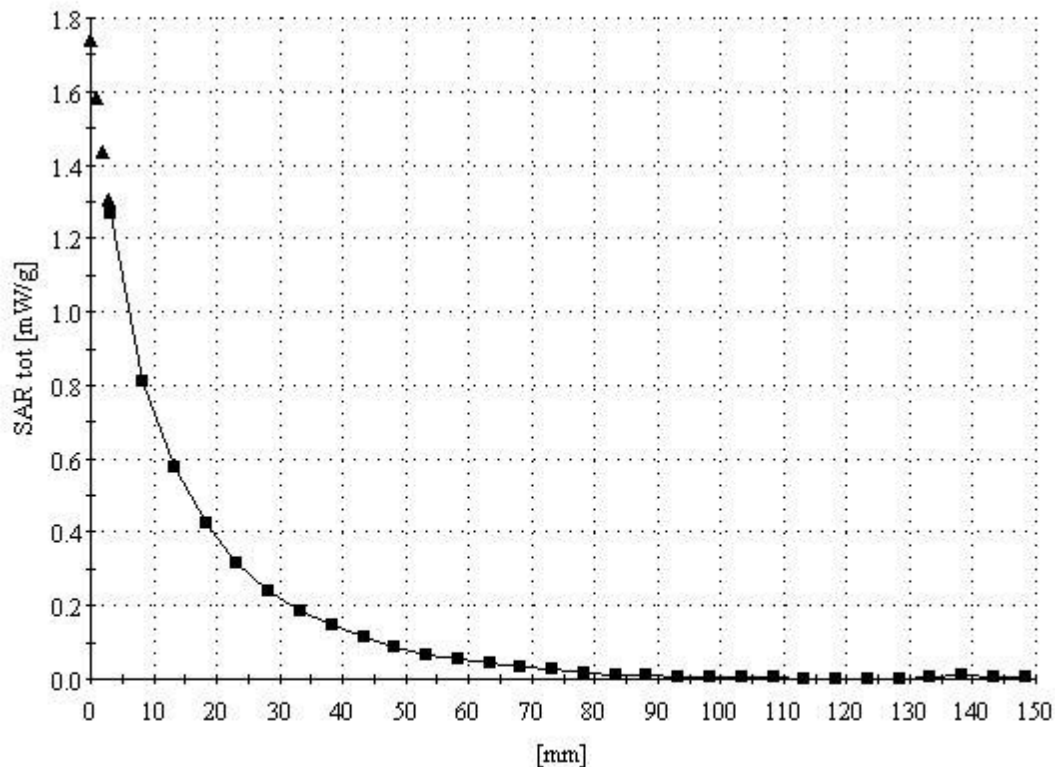
Test Position: Right Touch / Antenna: out

Mode: AMPS / Channel: 799 (848.97MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210

SAM I Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 1.0; Head 835 MHz: $\sigma = 0.88 \text{ mho/m}$ $\epsilon_r = 41.1$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: $D_x = 0.0$, $D_y = 0.0$, $D_z = 5.0$

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

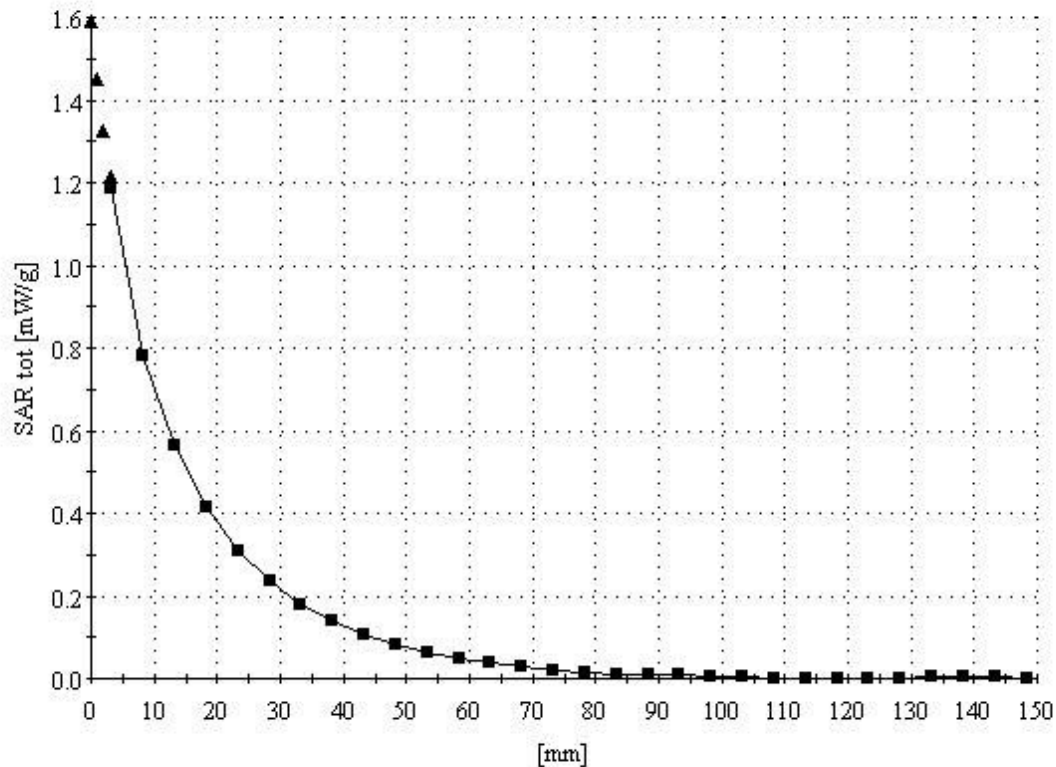
Test Position: Left Touch / Antenna: out

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210

SAM II Phantom; Section; Position: ; Frequency: 1900 MHz

Probe: ET3DV6 - SN1607; ConvF(3.10,5.10,5.10); Crest factor: 1.0; Head 1900 MHz: $\sigma = 1.39 \text{ mho/m}$ $\epsilon_r = 40.4$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

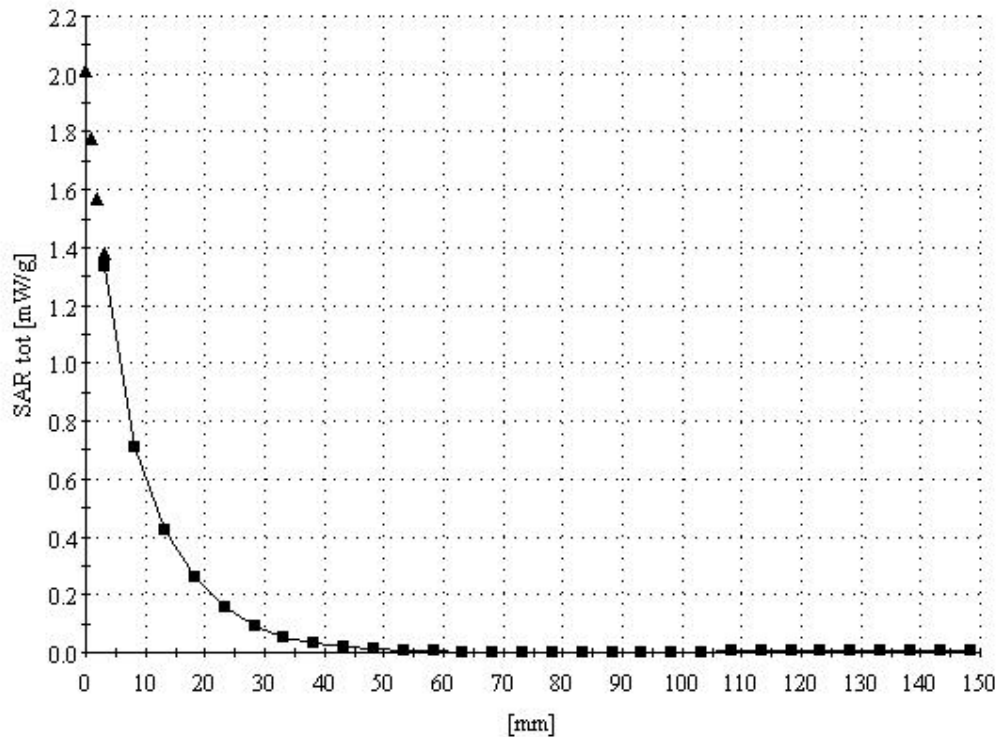
Test Position: Right Touch / Antenna: in

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

Conducted Power : 25.0 dBm

Liquid Temperature: 21.1°C

Date Tested : February 20, 2005



TX-210 (Body)

SAM I Phantom; Section; Position ; Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.97 \text{ mho/m}$ $\epsilon_r = 53.9$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

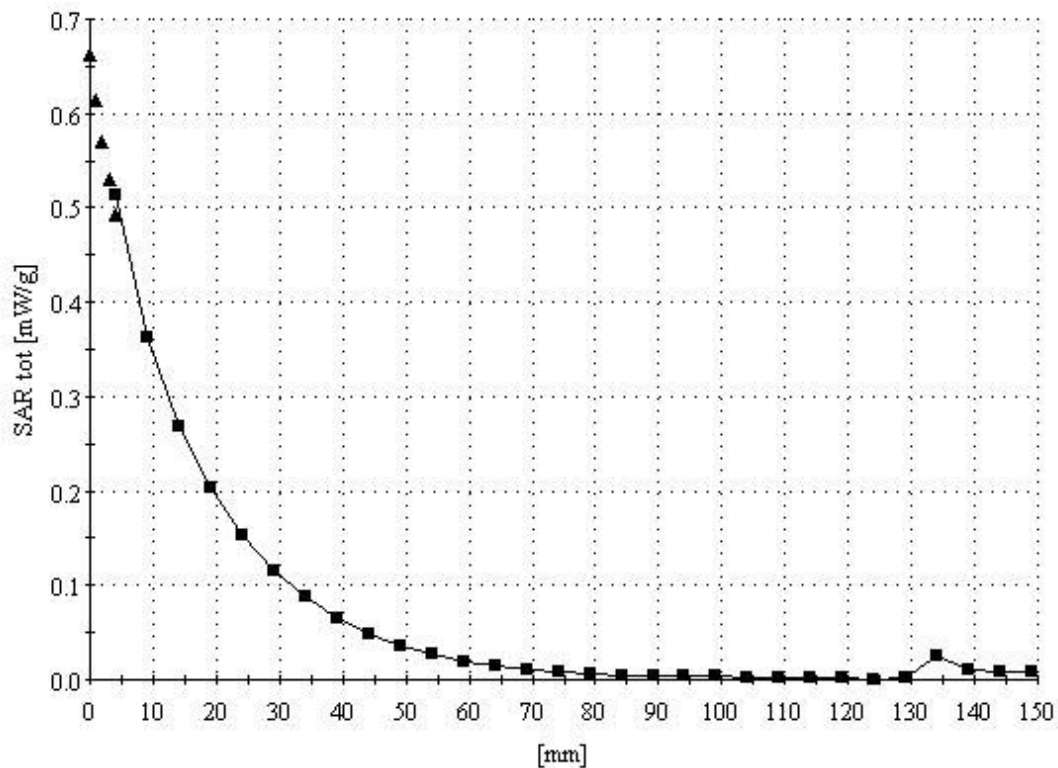
Test Position: Body / Antenna: out

Mode: AMPS / Channel: 799 (848.97MHz)

Conducted Power: 27.0 dBm

Liquid Temperature: 21.7°C

Date Tested : February 18, 2005



TX-210 (Body)

SAM I Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.95$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

:

Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

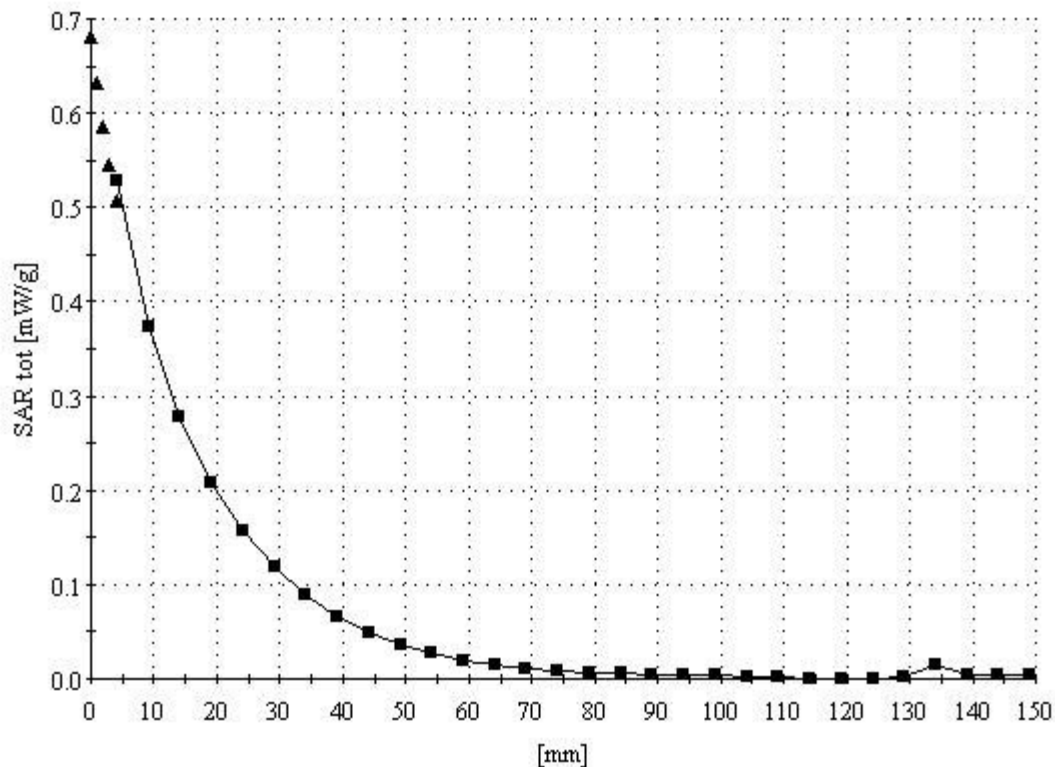
Test Position: Body / Antenna: out

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 25.5 dBm

Liquid Temperature: 21.5°C

Date Tested : February 19, 2005



TX-210 (Body)

SAM II Phantom; Section; Position: ; Frequency: 1900 MHz

Probe: ET3DV6 - SN1607; ConvF(4.54,4.54,4.54); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

:

Z-Axis: $D_x = 0.0$, $D_y = 0.0$, $D_z = 5.0$

Comment:

FCC ID: PP4TX-210 / MODEL: TX-210

Company: Hyundai Curitel Inc.

Test Position: Body / Antenna: out

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

Conducted Power: 25.0 dBm

Liquid Temperature: 21.1 °C

Date Tested : February 20, 2005

