

ATTACHMENT O – SAR TEST PLOTS

ACH-700P

SAM II Phantom; Left hand Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$

mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.889 mW/g, SAR (10g): 0.484 mW/g

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

Powerdrift: 0.09 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

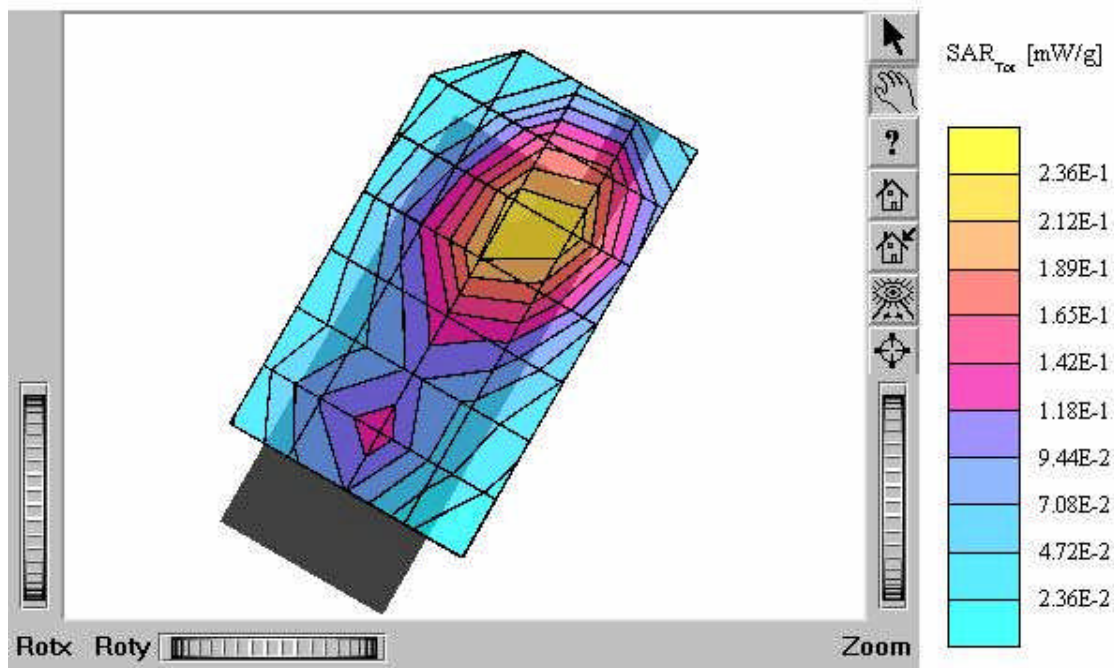
Test Position: Left / touch / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

SAM II Phantom; Left hand Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.311 mW/g, SAR (10g): 0.169 mW/g

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

Powerdrift: 0.12 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

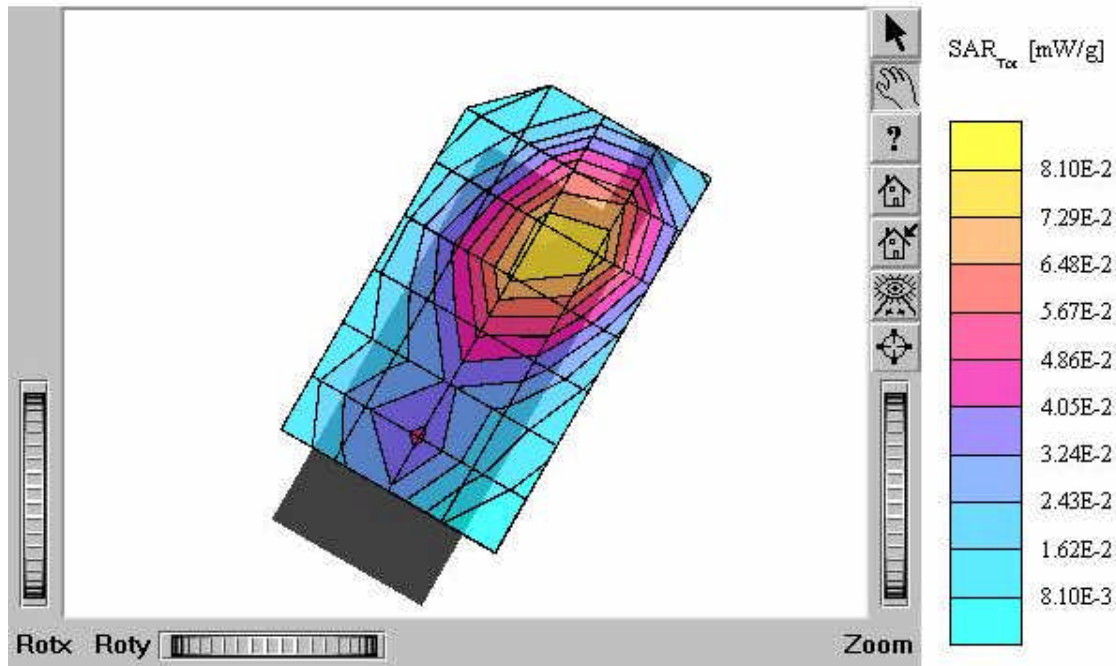
Test Position: Left / touch / Antenna: Fixed

Mode: PCS CDMA / Channel: 600 (1880 MHz)

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

SAM II Phantom; Left hand Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5,29,5,29,5,29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.375 mW/g, SAR (10g): 0.201 mW/g

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

Powerdrift: -0.10 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

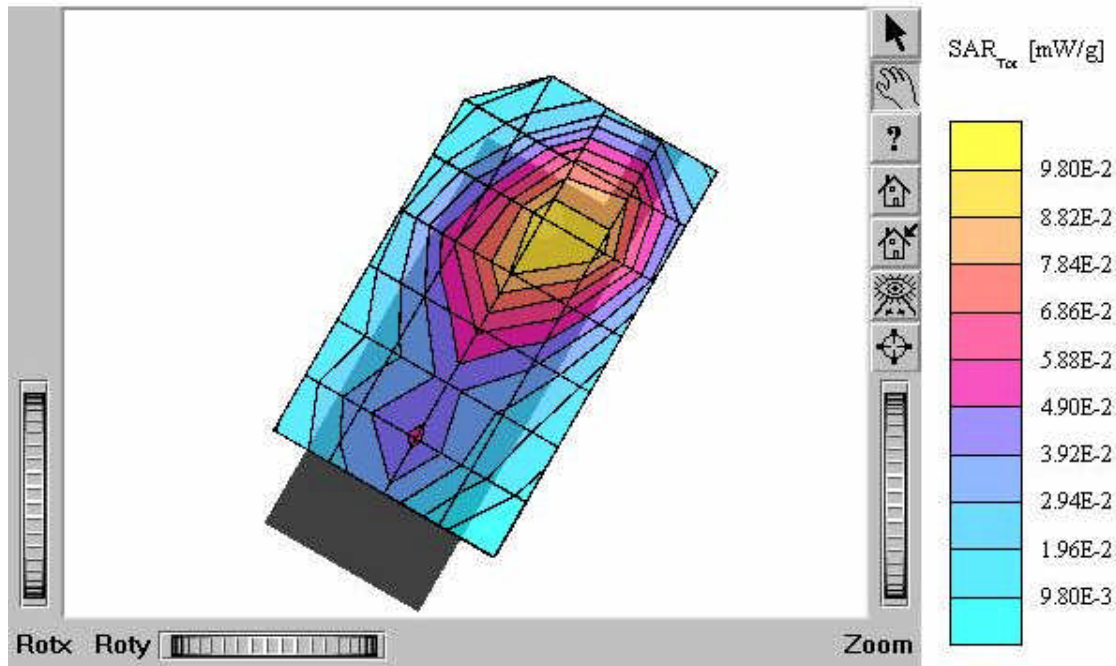
Test Position: Left / touch / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

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

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$

mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.744 mW/g, SAR (10g): 0.426 mW/g

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

Powerdrift: -0.10 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

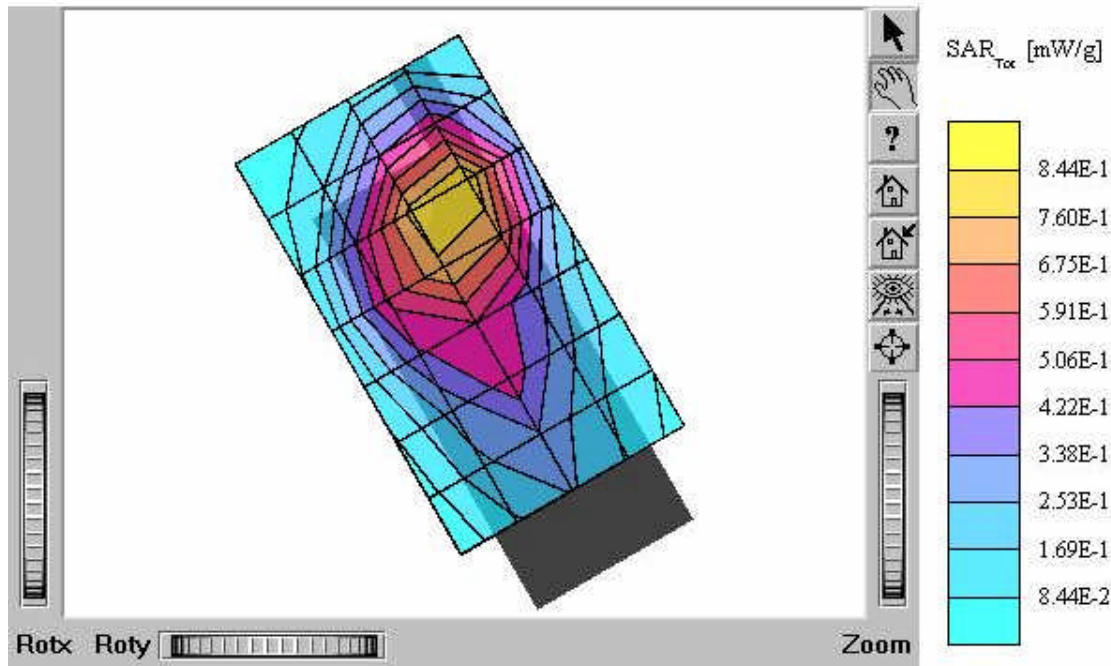
Test Position: Right / touch / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

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

Probe: ET3DV6 - SN1609; ConvF(5,29,5,29,5,29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.294 mW/g, SAR (10g): 0.169 mW/g

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

Powerdrift: 0.03 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

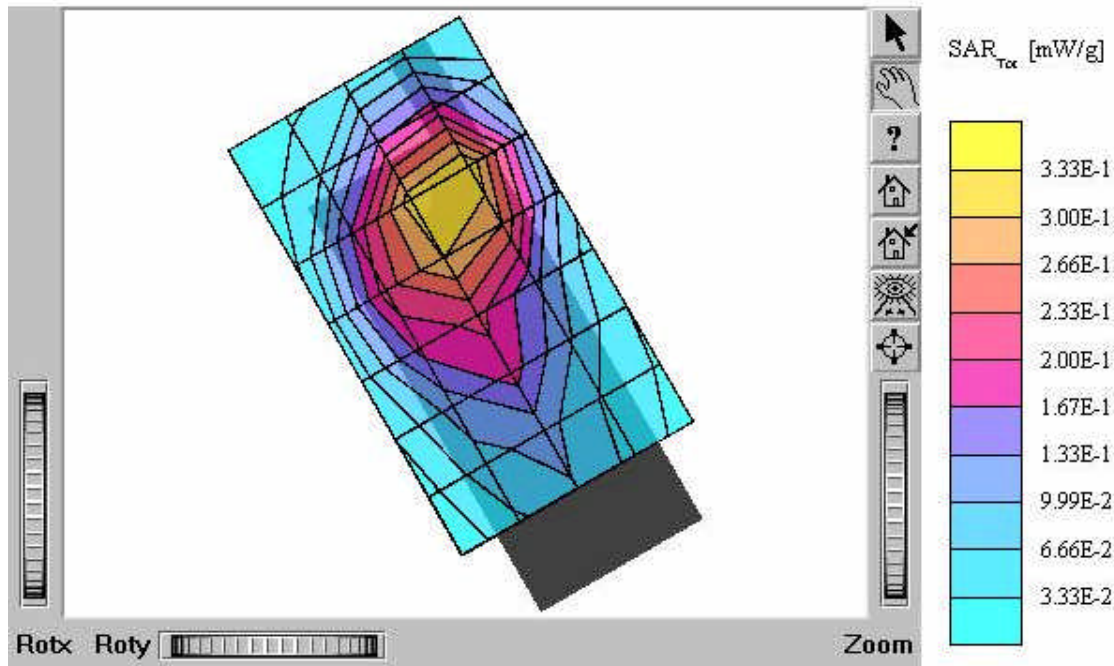
Test Position: Right / touch / Antenna: Fixed

Mode: PCS CDMA / Channel: 600 (1880 MHz)

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

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

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.319 mW/g, SAR (10g): 0.182 mW/g

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

Powerdrift: -0.06 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

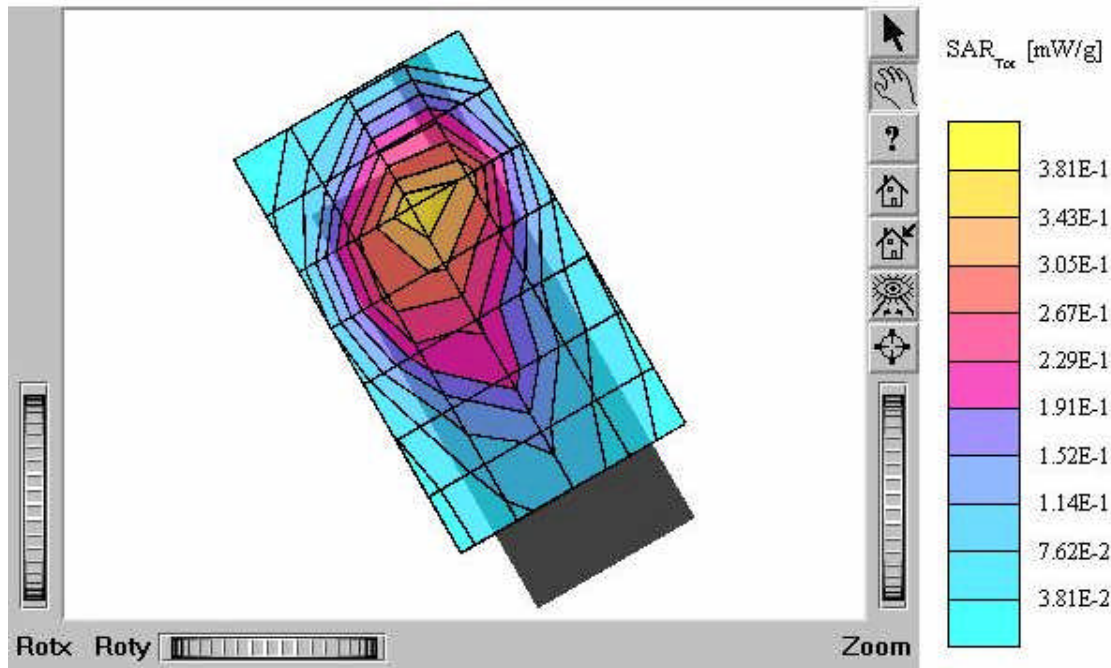
Test Position: Right / touch / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

SAM II Phantom: Left hand Section: Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$

mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.15 mW/g, SAR (10g): 0.599 mW/g

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

Powerdrift: -0.19 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

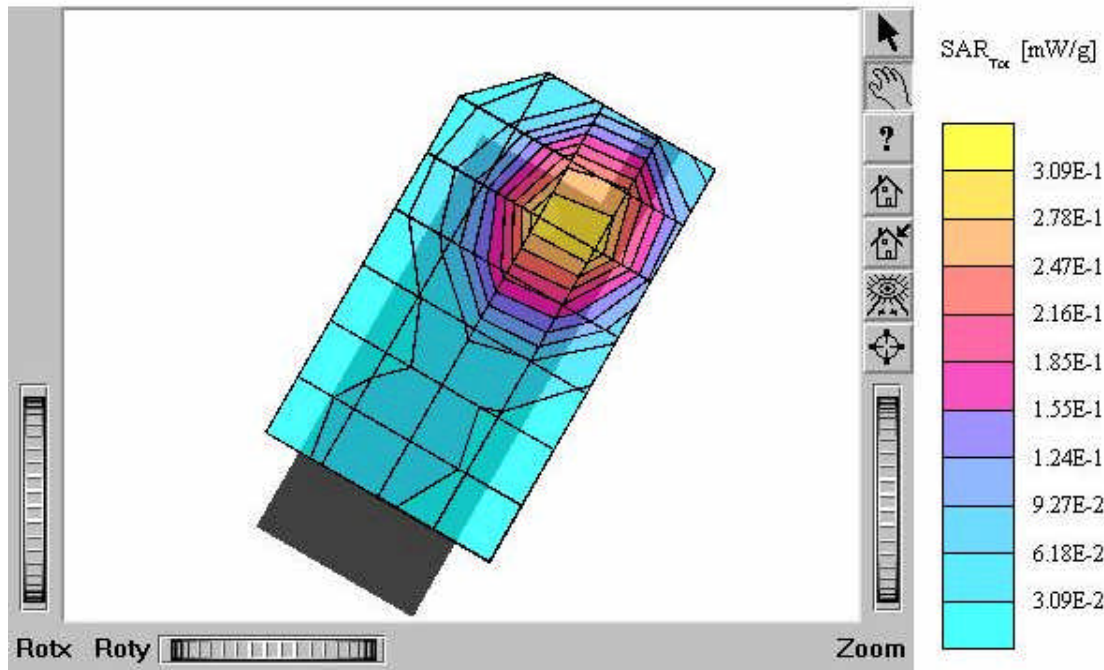
Test Position: Left / tilt 15° / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

SAM II Phantom; Left hand Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.459 mW/g, SAR (10g): 0.239 mW/g

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

Powerdrift: -0.02 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

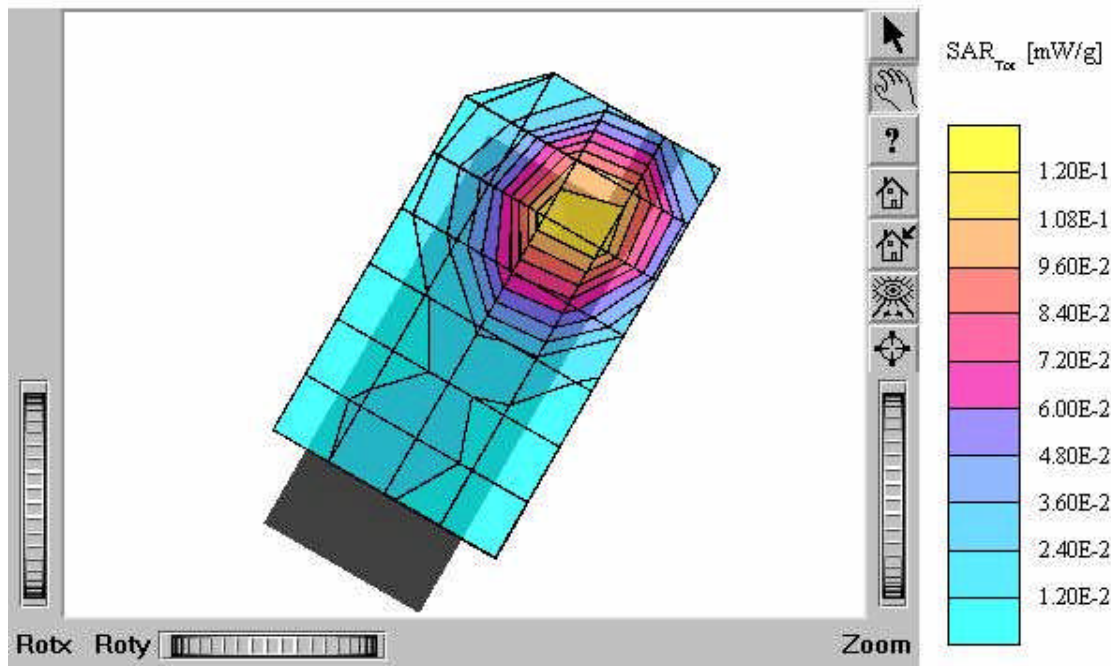
Test Position: Left / tilt 15° / Antenna: Fixed

Mode: PCS CDMA / Channel: 600 (1880 MHz)

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

SAM II Phantom; Left hand Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.563 mW/g, SAR (10g): 0.294 mW/g

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

Powerdrift: 0.13 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

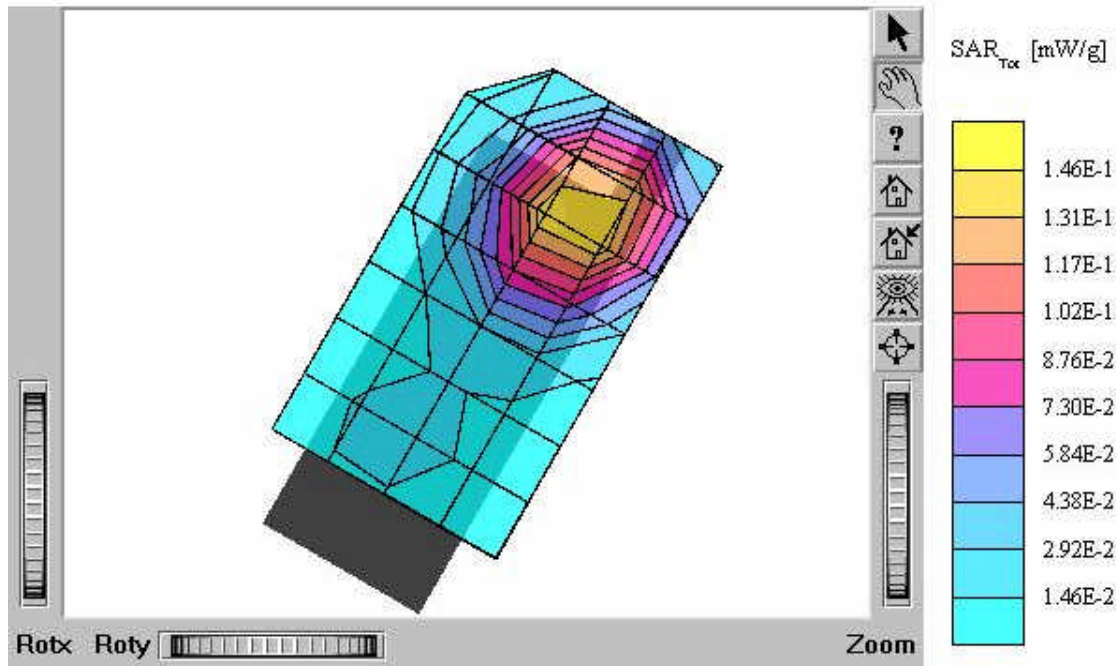
Test Position: Left / tilt 15 ° / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

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

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 1.13 mW/g, SAR (10g): 0.607 mW/g

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

Powerdrift: 0.00 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

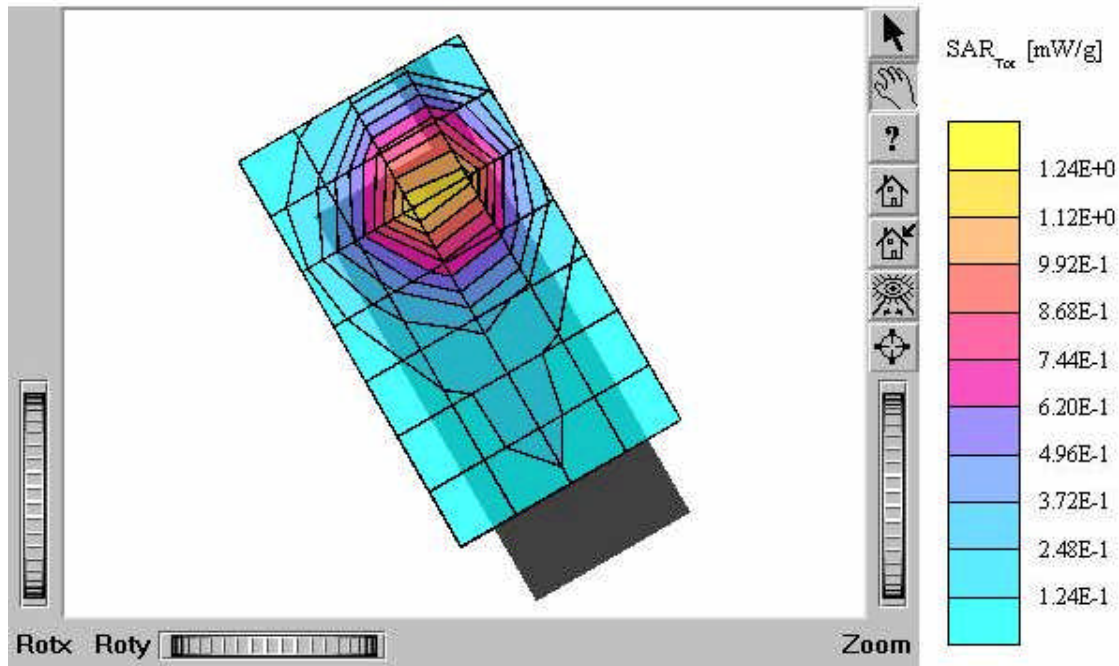
Test Position: Right / tilt 15 ° / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

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

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$

mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.459 mW/g, SAR (10g): 0.246 mW/g

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

Powerdrift: 0.04 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

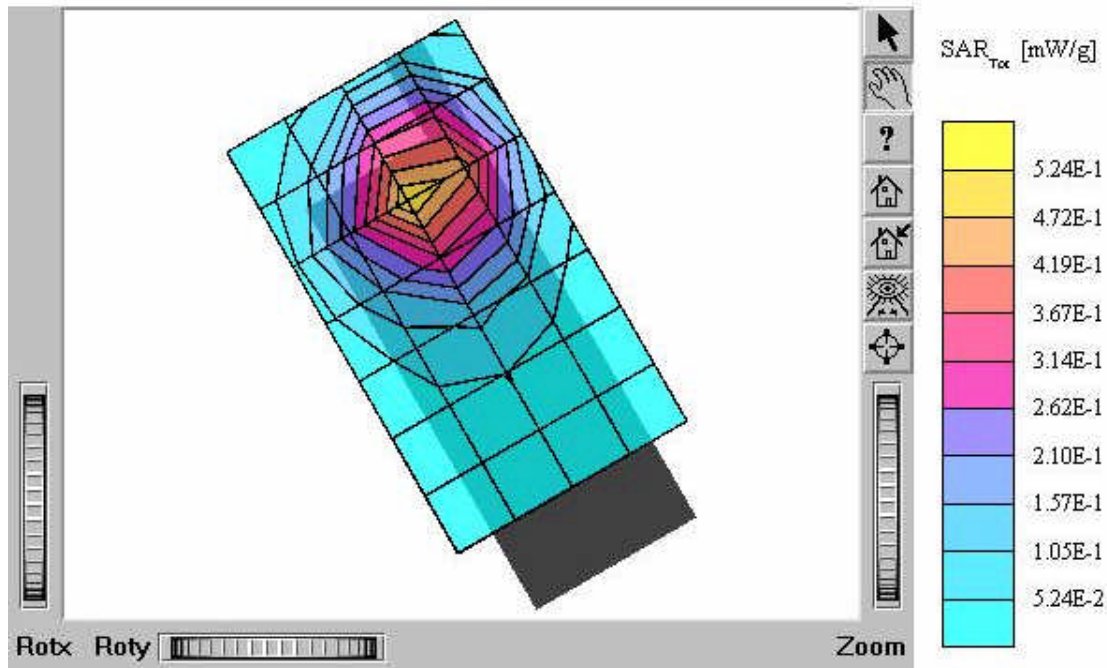
Test Position: Right / tilt 15 ° / Antenna: Fixed

Mode: PCS CDMA / Channel:600 (1880 MHz)

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P

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

Probe: ET3DV6 - SN1609; ConvF(5.29,5.29,5.29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$

mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.528 mW/g, SAR (10g): 0.279 mW/g

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

Powerdrift: -0.12 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

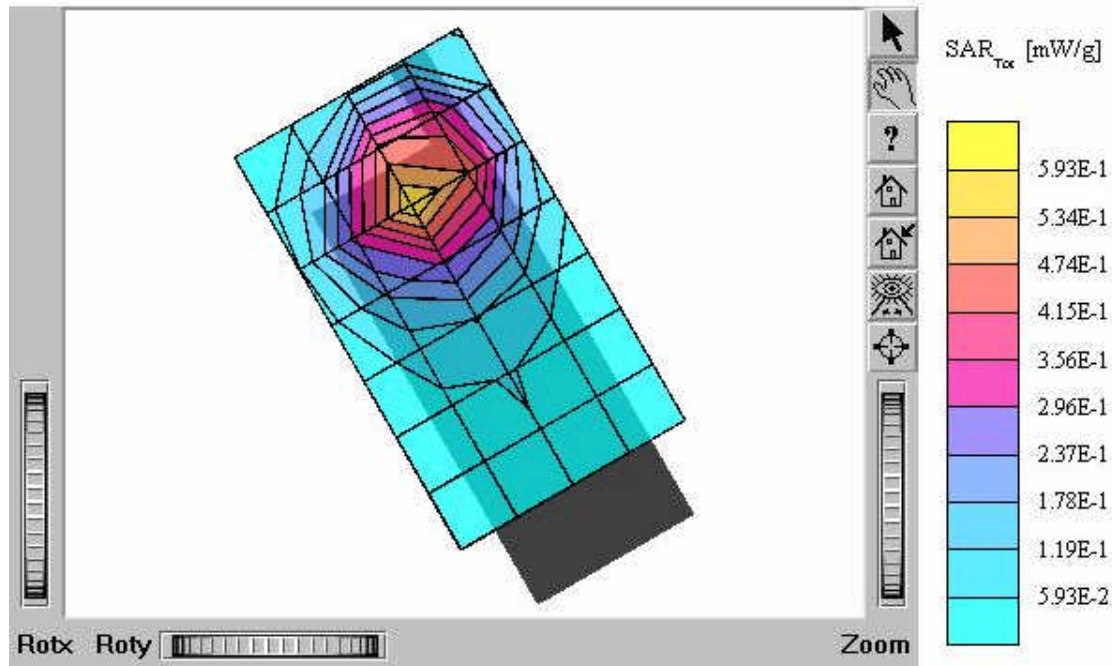
Test Position: Right Tilt 15° / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.69,4.69,4.69); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.57$ mho/m $\epsilon_r = 53.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.170 mW/g, SAR (10g): 0.102 mW/g

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

Powerdrift: -0.09 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

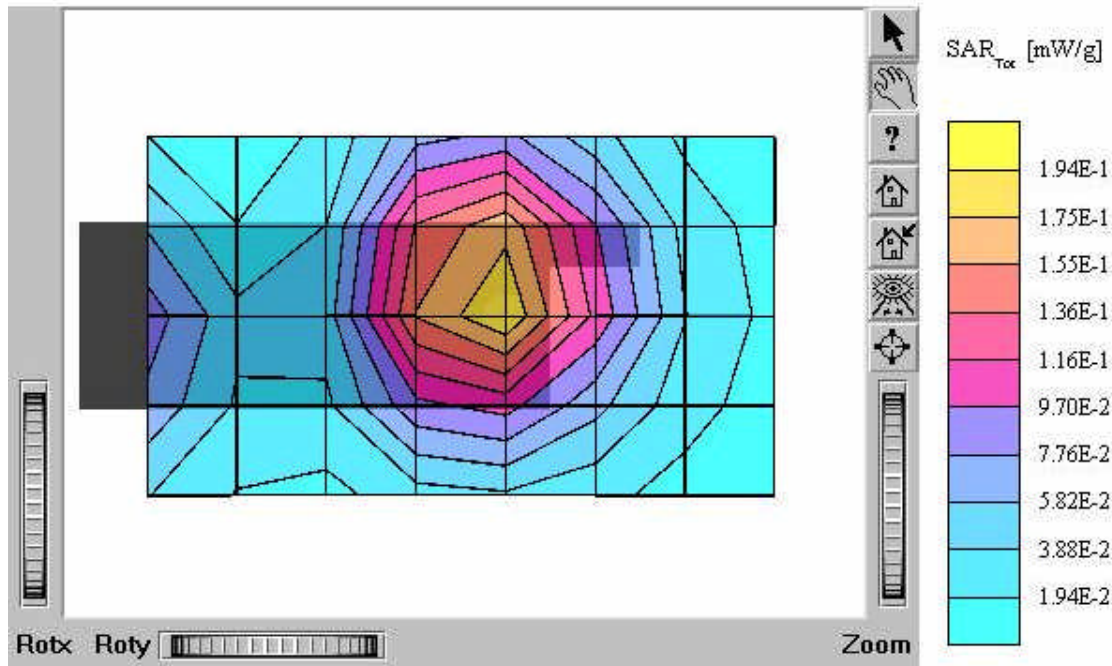
Test Position: Body / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.69,4.69,4.69); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.57$ mho/m $\epsilon_r = 53.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.0680 mW/g, SAR (10g): 0.0409 mW/g

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

Powerdrift: 0.02 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

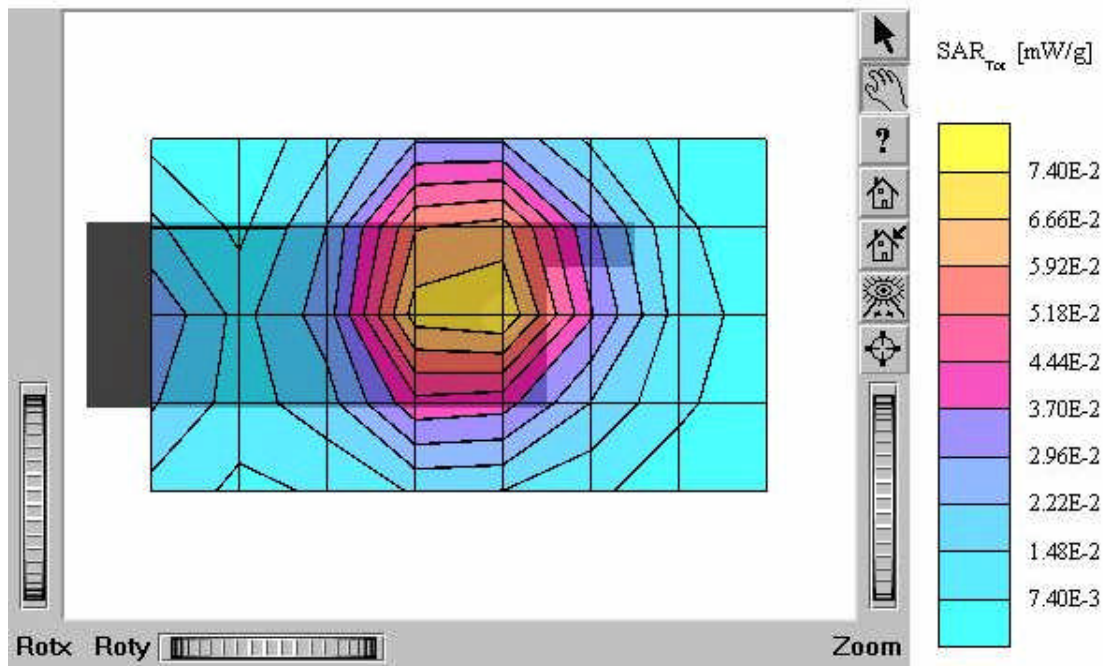
Test Position: Body / Antenna: Fixed

Mode: PCS CDMA / Channel: 600 (1880 MHz)

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004



ACH-700P (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.69,4.69,4.69); Crest factor: 1.0; Body 1900 MHz; $\sigma = 1.57$

mho/m $\epsilon_r = 53.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.0682 mW/g, SAR (10g): 0.0413 mW/g

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

Powerdrift: 0.06 dB

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

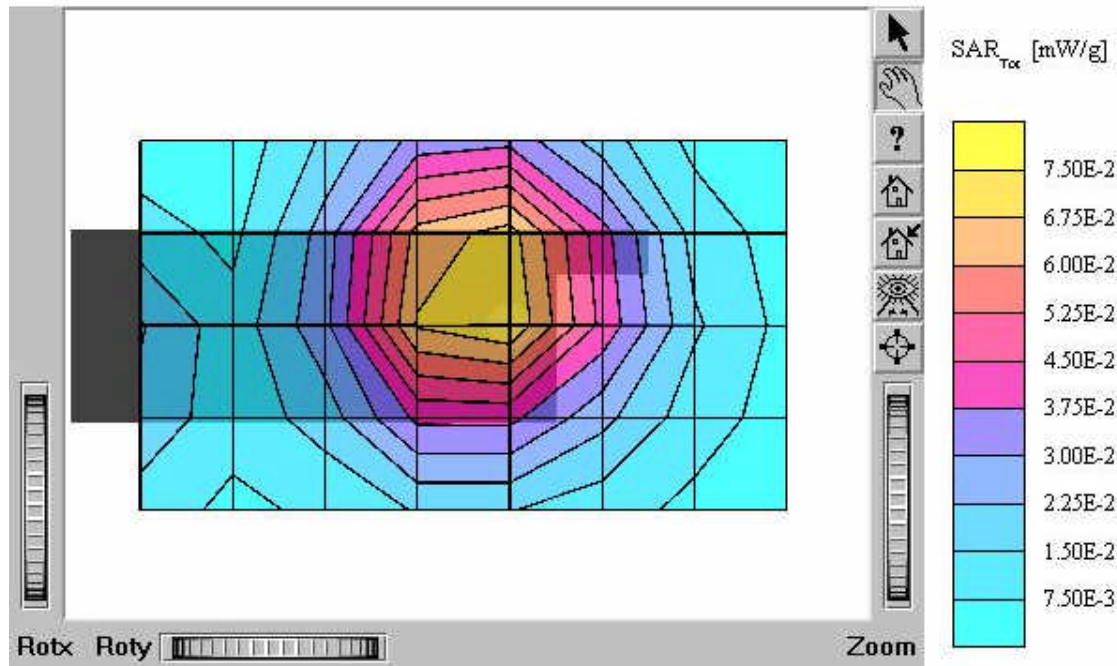
Test Position: Body / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004

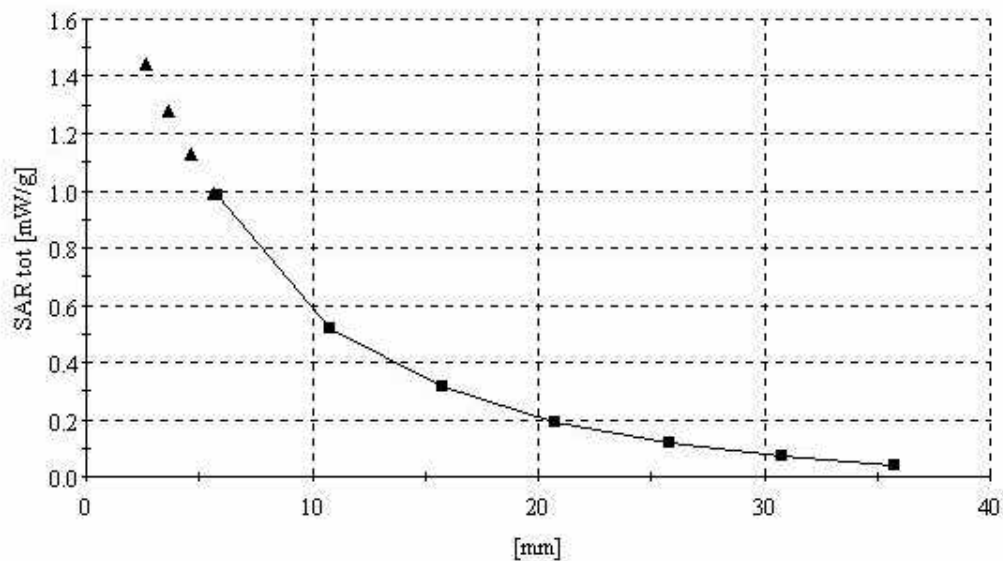


ACH-700P

SAM II Phantom: Left hand Section; Position: (90°,180°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(5,29,5,29,5,29); Crest factor: 1.0; Brain 1900 MHz: $\sigma = 1.39$
 mho/m $\epsilon_r = 40.3$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 1.15 mW/g, SAR (10g): 0.599 mW/g
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P
Company : AL Communication Co., Ltd.
Test Position: Left / tilt 15 ° / Antenna: Fixed
Mode: PCS CDMA / Channel: 25 (1851.25MHz)
Conducted Power: 22.0 dBm
Liquid Temperature: 22.3 °C
Date Tested: February 19, 2004



ACH-700P (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.69,4.69,4.69); Crest factor: 1.0; Body 1900 MHz: $\sigma = 1.57$ mho/m $\epsilon_r = 53.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.170 mW/g, SAR (10g): 0.102 mW/g

Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:

FCC ID : RURACH-700P / MODEL: ACH-700P

Company : AL Communication Co., Ltd.

Test Position: Body / Antenna: Fixed

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

Conducted Power: 22.0 dBm

Liquid Temperature: 22.3 °C

Date Tested: February 19, 2004

