

ATTACHMENT O – SAR TEST PLOTS

ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 54.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.674 mW/g, SAR (10g): 0.405 mW/g

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

Powerdrift: -0.01 dB

Comment :

MODEL: ICU-E640(FUJITSU)

Company: INNOMTEK Co.,Ltd.

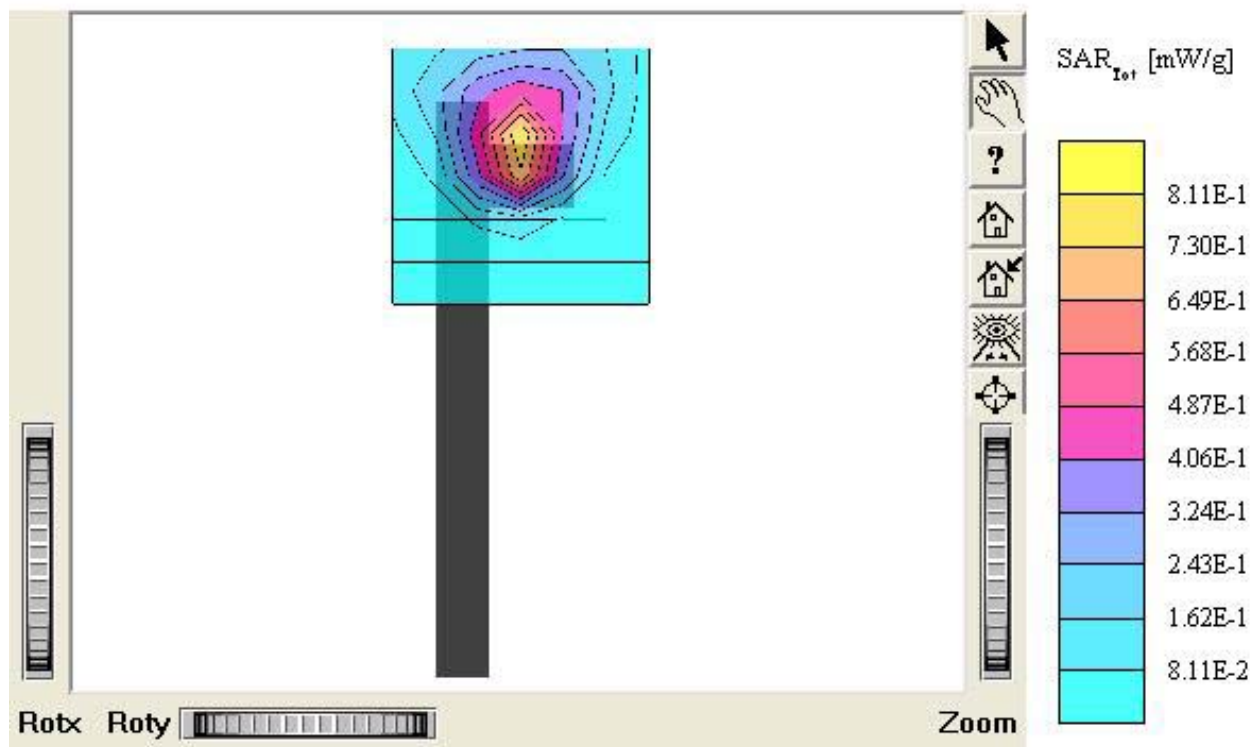
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$, $\epsilon_r = 54.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.594 mW/g, SAR (10g): 0.360 mW/g

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

Powerdrift: 0.01 dB

Comment :

MODEL: ICU-E640(FUJITSU)

Company: INNOMTEK Co.,Ltd.

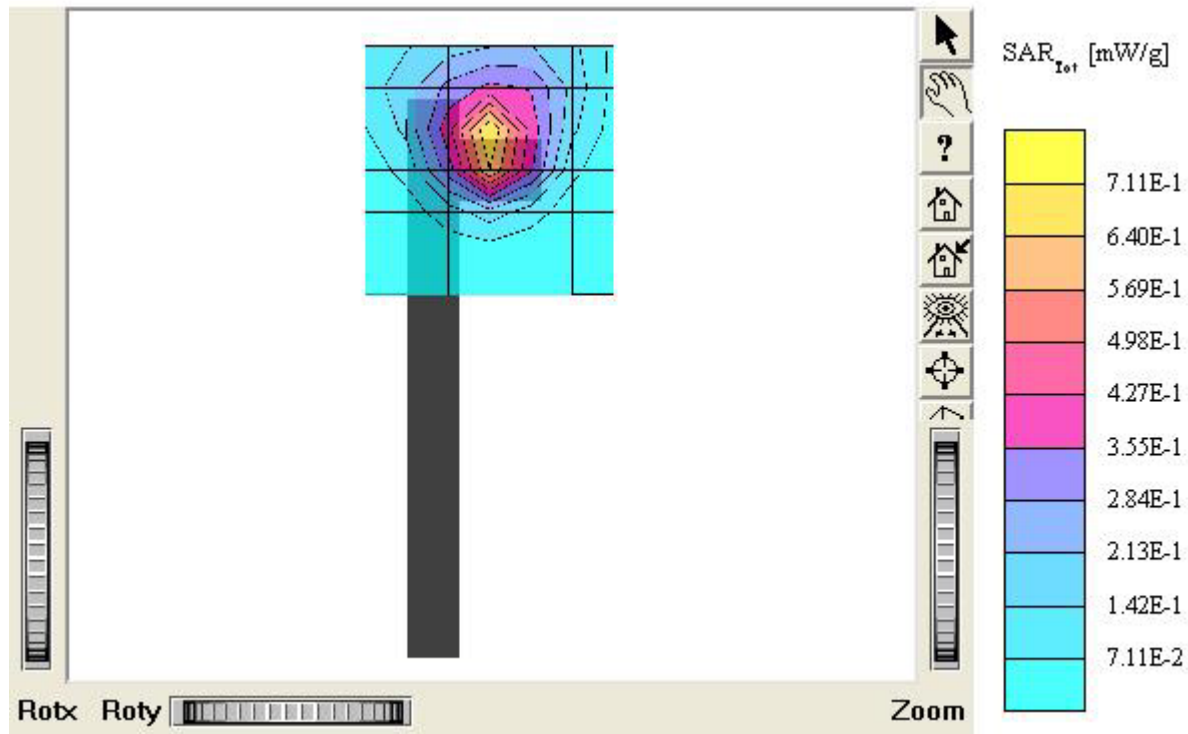
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 363 (835.89MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$ $\epsilon_r = 54.8 \rho$ $= 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.684 mW/g, SAR (10g): 0.410 mW/g

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

Powerdrift: -0.01 dB

Comment :

MODEL: ICU-E640(FUJITSU)

Company: INNOMTEK Co.,Ltd.

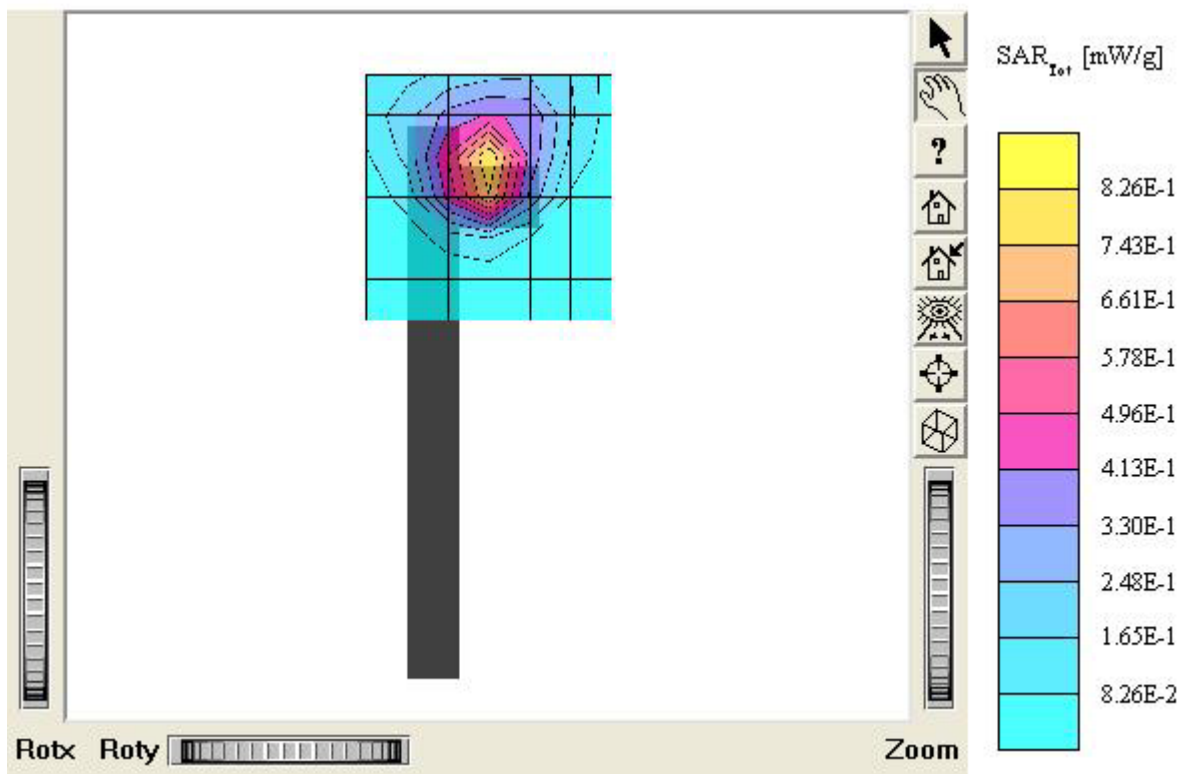
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 54.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.542 mW/g, SAR (10g): 0.345 mW/g

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

Peak: 0.957 mW/g; Powerdrift: -0.01 dB

Comment :

MODEL: ICU-E640(FUJITSU)

Company: INNOMTEK Co.,Ltd.

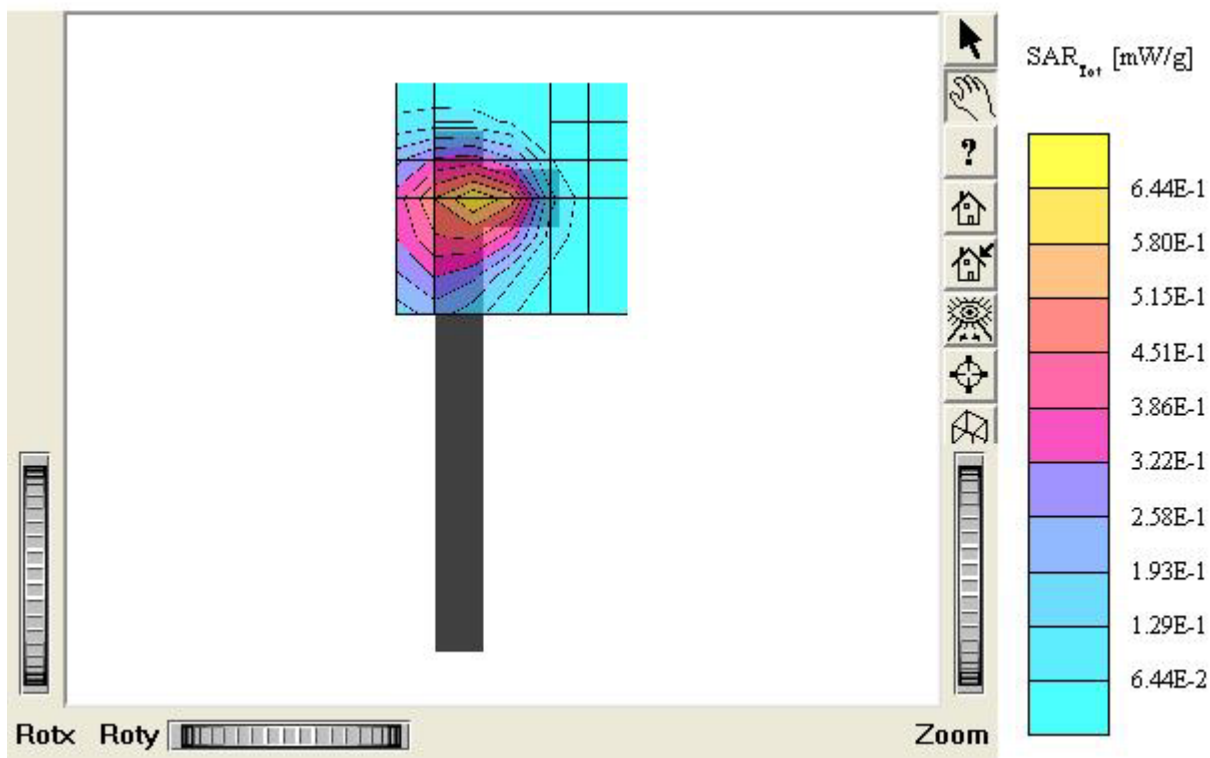
Test Position: Body(Lap-EVDO) / Antenna: Fixed

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 54.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.901 mW/g, SAR (10g): 0.548 mW/g

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

Powerdrift: 0.05 dB

Comment :

MODEL: ICU-E640(TOSHIBA)

Company: INNOMTEK Co.,Ltd.

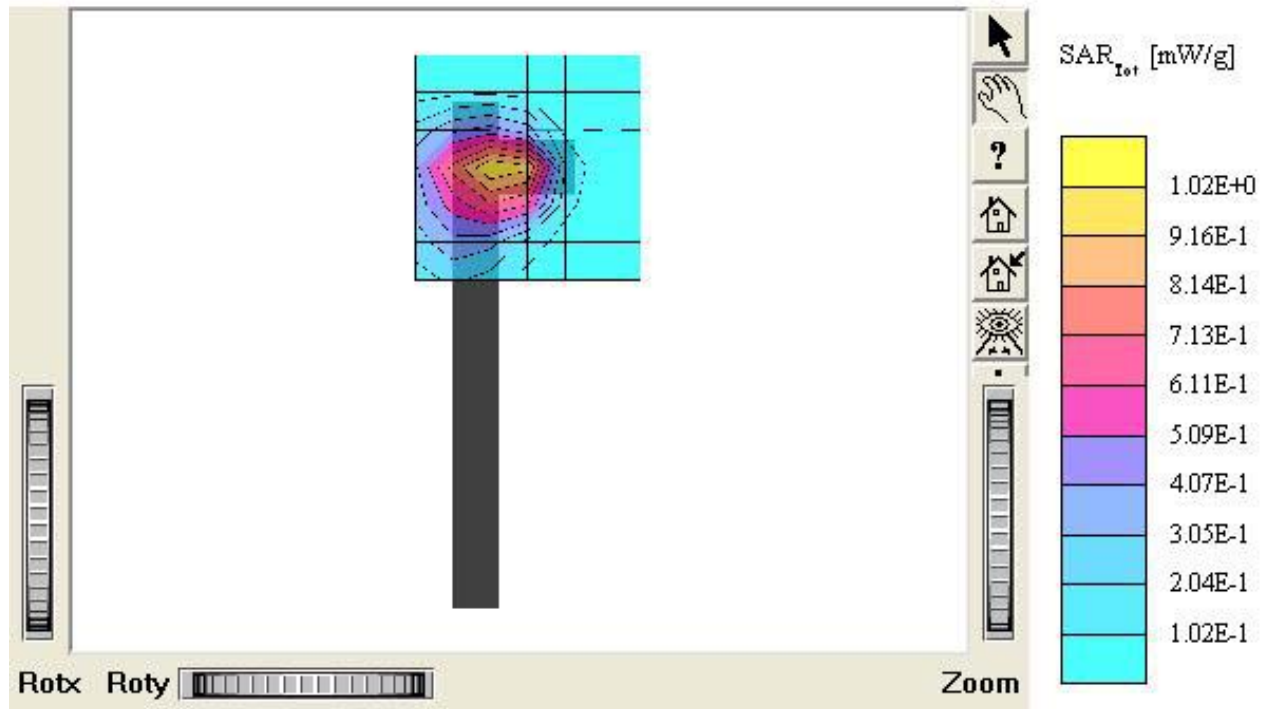
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$, $\epsilon_r = 54.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.18 mW/g, SAR (10g): 0.703 mW/g

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

Powerdrift: -0.05 dB

Comment :

MODEL: ICU-E640(TOSHIBA)

Company: INNOMTEK Co.,Ltd.

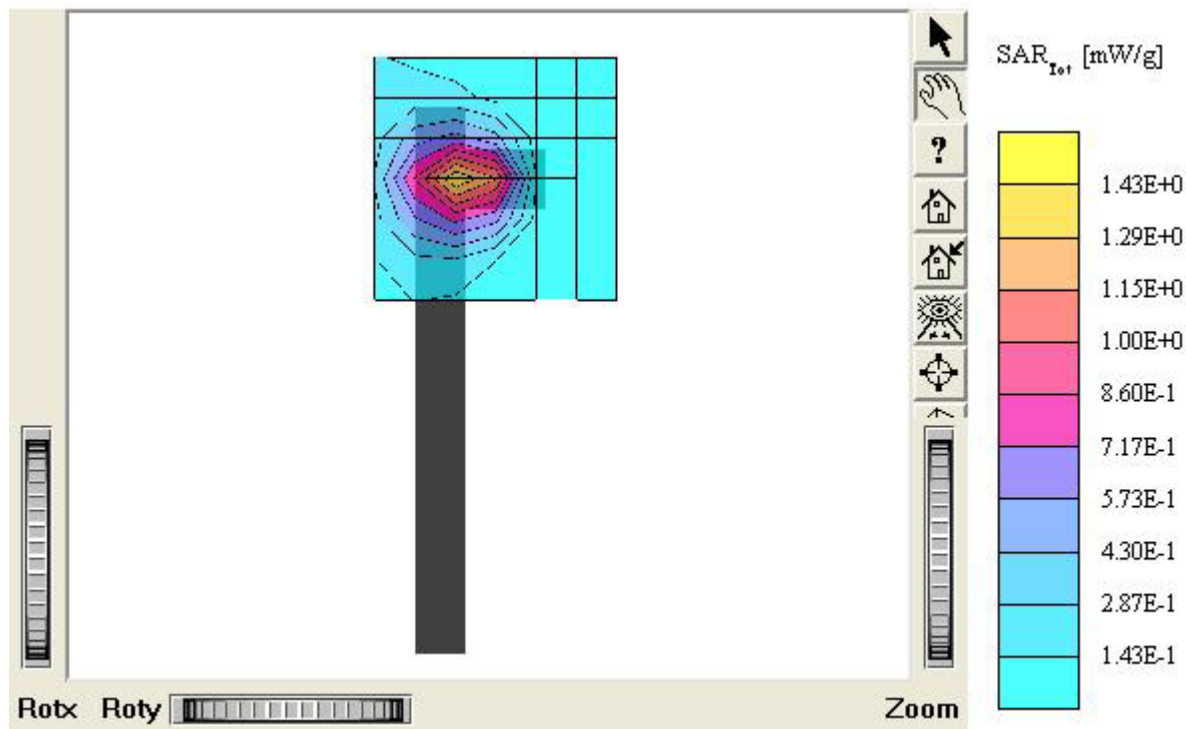
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 363 (835.89MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$, $\epsilon_r = 54.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.931 mW/g, SAR (10g): 0.558 mW/g

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

Powerdrift: -0.02 dB

Comment :

MODEL: ICU-E640(TOSHIBA)

Company: INNOMTEK Co.,Ltd.

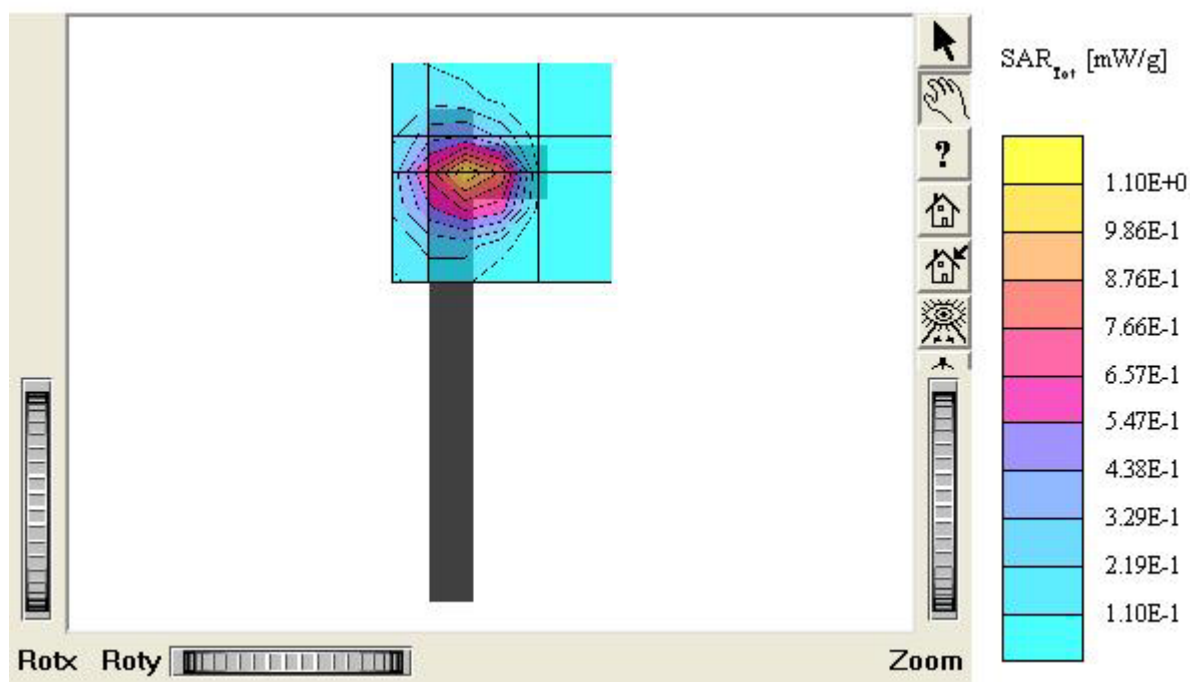
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



Test Laboratory: HCT

MODEL: ICU-E640 (TOSHIBA)

Company : INNOMTEK CO., Ltd.

Mode : CDMA835 BODY (Lap) / Channel : 1013 (EVDO)

Liquid Temperature : 21.6 °C

Date Tested : April 24, 2006

DUT: ICU-E640

Communication System: CDMA 835MHz FCC, Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 825$ MHz; $\sigma = 0.975$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE3 Sn446; Calibrated: 2006-03-17

- Phantom: SAM with CRP 835MHz; Type: SAM

Left touch 1013/Area Scan (91x101x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.860 mW/g

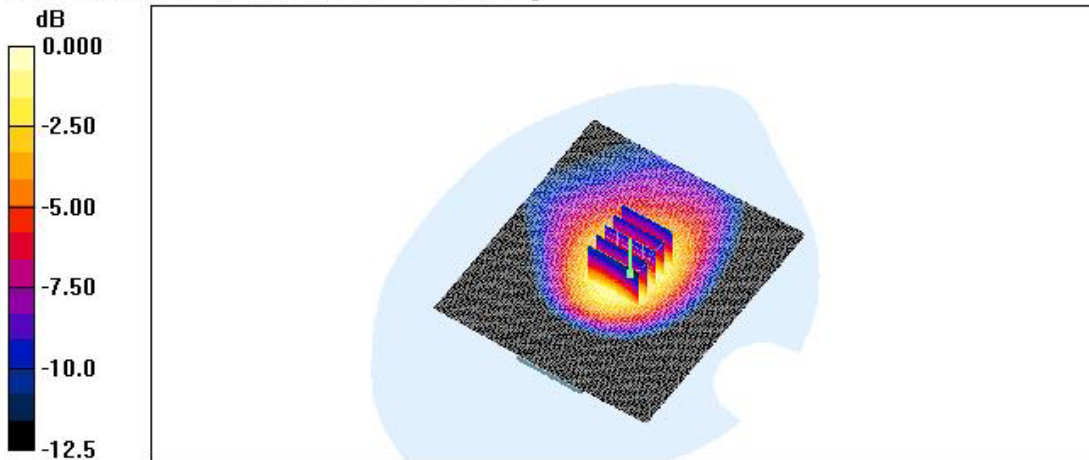
Left touch 1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 26.3 V/m; Power Drift = -0.194 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.507 mW/g

Maximum value of SAR (measured) = 0.847 mW/g



0 dB = 0.847mW/g

ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$, $\epsilon_r = 54.8$ ρ $= 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.885 mW/g, SAR (10g): 0.533 mW/g

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

Powerdrift: 0.03 dB

Comment :

MODEL: ICU-E640(TOSHIBA)

Company: INNOMTEK Co.,Ltd.

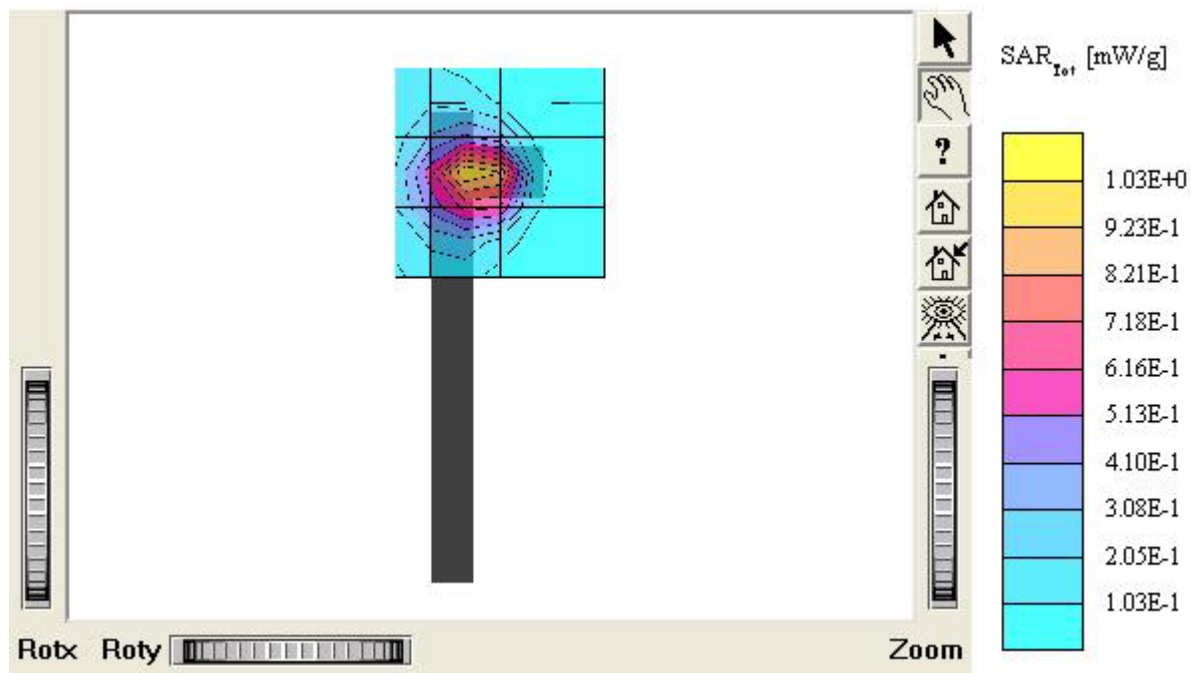
Test Position: Body(Lap-EVDO) / Antenna: Fixed

Mode: CDMA / Channel: 363 (835.89MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



Test Laboratory: HCT

MODEL: ICU-E640 (TOSHIBA)

Company : INNOMTEK CO., Ltd.
Mode : CDMA835 BODY (Lap) / Channel : 777 (EVDO)
Liquid Temperature : 21.6 °C
Date Tested : April 24, 2006

DUT: ICU-E640

Communication System: CDMA 835MHz FCC; Frequency: 848.31 MHz; Duty Cycle: 1:1
Medium parameters used (interpolated): $f = 848.31 \text{ MHz}$; $\sigma = 1.01 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

- Probe: ET3DV6 - SN1609; ConvF(6.42, 6.42, 6.42); Calibrated: 2006-03-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn446; Calibrated: 2006-03-17
- Phantom: SAM with CRP 835MHz; Type: SAM

Left touch 777/Area Scan (91x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (interpolated) = 1.01 mW/g

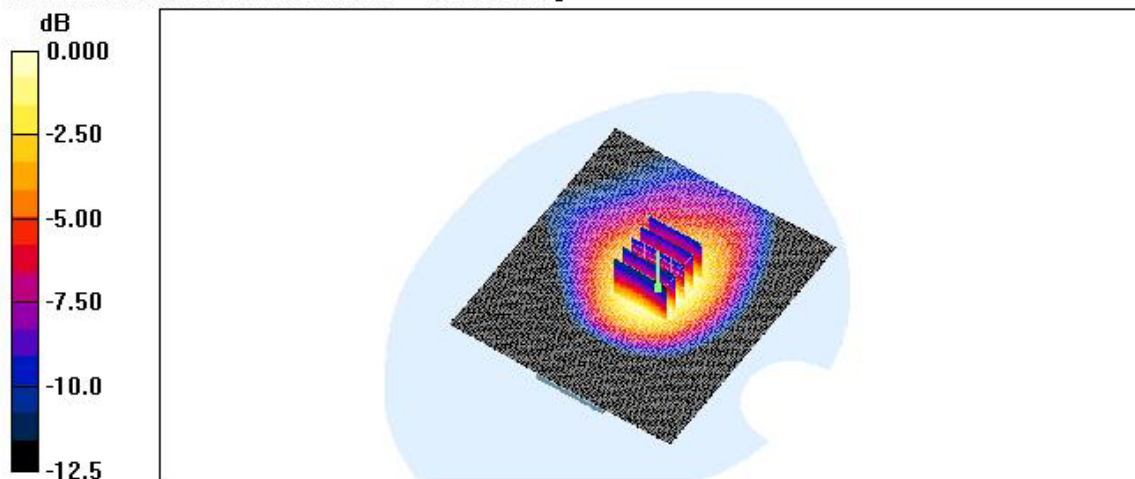
Left touch 777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 27.5 V/m; Power Drift = -0.004 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.572 mW/g

Info: Interpolated medium parameters used for SAR evaluation.
Maximum value of SAR (measured) = 0.944 mW/g



0 dB = 0.944mW/g

ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$, $\epsilon_r = 54.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.425 mW/g, SAR (10g): 0.268 mW/g

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

Powerdrift: -0.02 dB

Comment :

MODEL: ICU-E640(LG IBM)

Company: INNOMTEK Co.,Ltd.

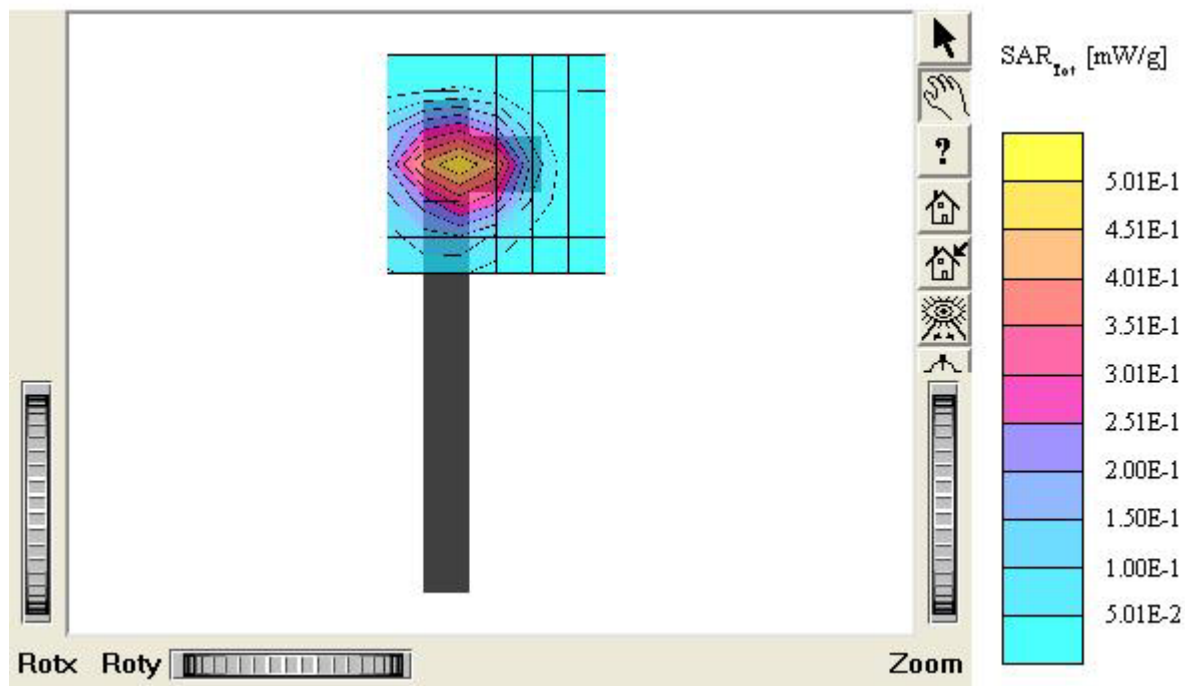
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 1013 (824.70MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$, $\epsilon_r = 54.8$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.431 mW/g, SAR (10g): 0.271 mW/g

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

Powerdrift: 0.01 dB

Comment :

MODEL: ICU-E640(LG IBM)

Company: INNOMTEK Co.,Ltd.

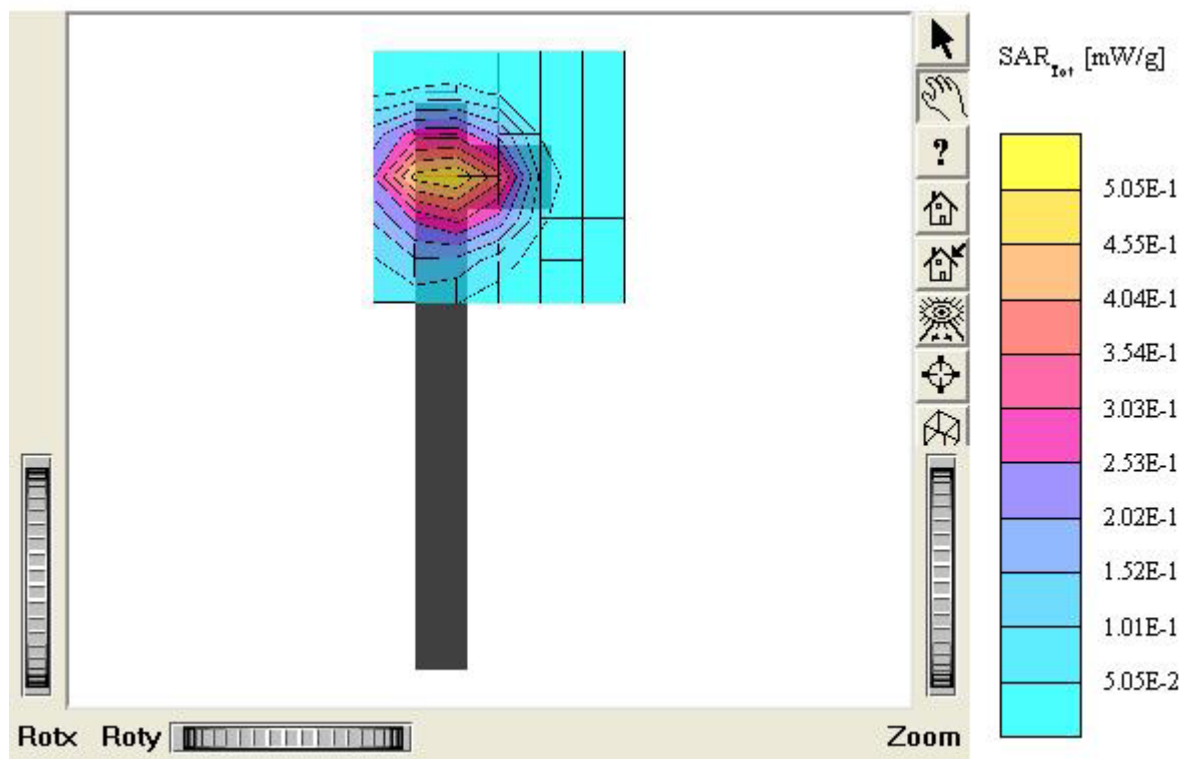
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 363 (835.89MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$ $\epsilon_r = 54.8$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.438 mW/g, SAR (10g): 0.276 mW/g

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

Powerdrift: 0.03 dB

Comment :

MODEL: ICU-E640(LG IBM)

Company: INNOMTEK Co.,Ltd.

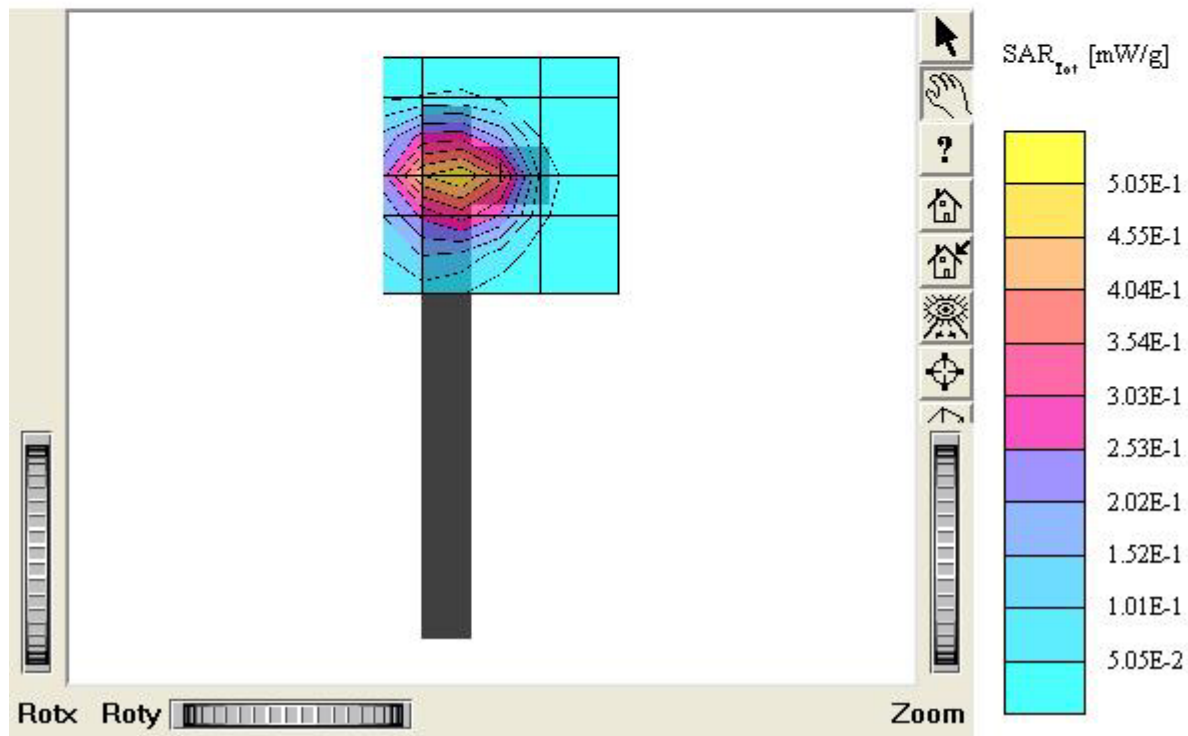
Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$ $\epsilon_r = 54.8 \rho$ $= 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.335 mW/g, SAR (10g): 0.214 mW/g

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

Powerdrift: 0.05 dB

Comment :

MODEL: ICU-E640(LG IBM)

Company: INNOMTEK Co.,Ltd.

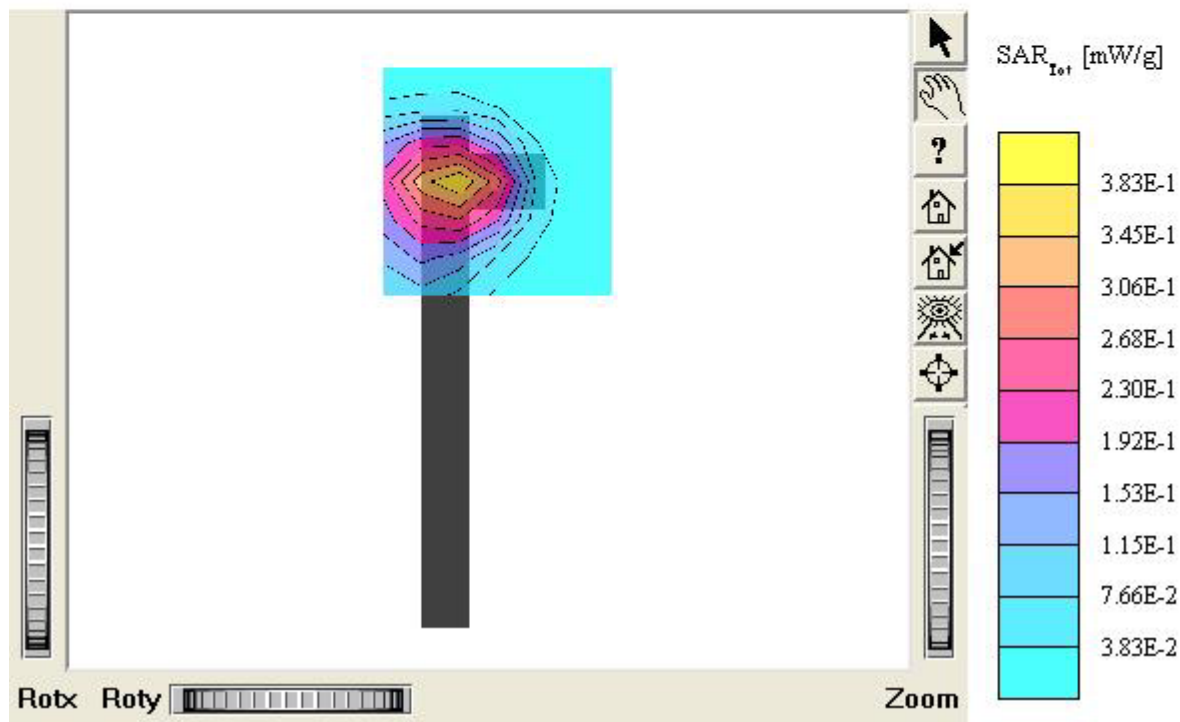
Test Position: Body(Lap-EVDO) / Antenna: Fixed

Mode: CDMA / Channel: 777 (848.31MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006



ICU-E640

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

Probe: ET3DV6 - SN1798; ConvF(6.84,6.84,6.84); Crest factor: 1.0; Body 835 MHz: $\sigma = 0.99 \text{ mho/m}$ $\epsilon_r = 54.8$ $\rho = 1.00 \text{ g/cm}^3$

:

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

Comment :

MODEL: ICU-E640(TOSHIBA)

Company: INNOMTEK Co.,Ltd.

Test Position: Body(Lap) / Antenna: Fixed

Mode: CDMA / Channel: 363 (835.89MHz)

Conducted Power : 24.0 dBm

Liquid Temperature : 21.6°C

Date Tested : March 24, 2006

