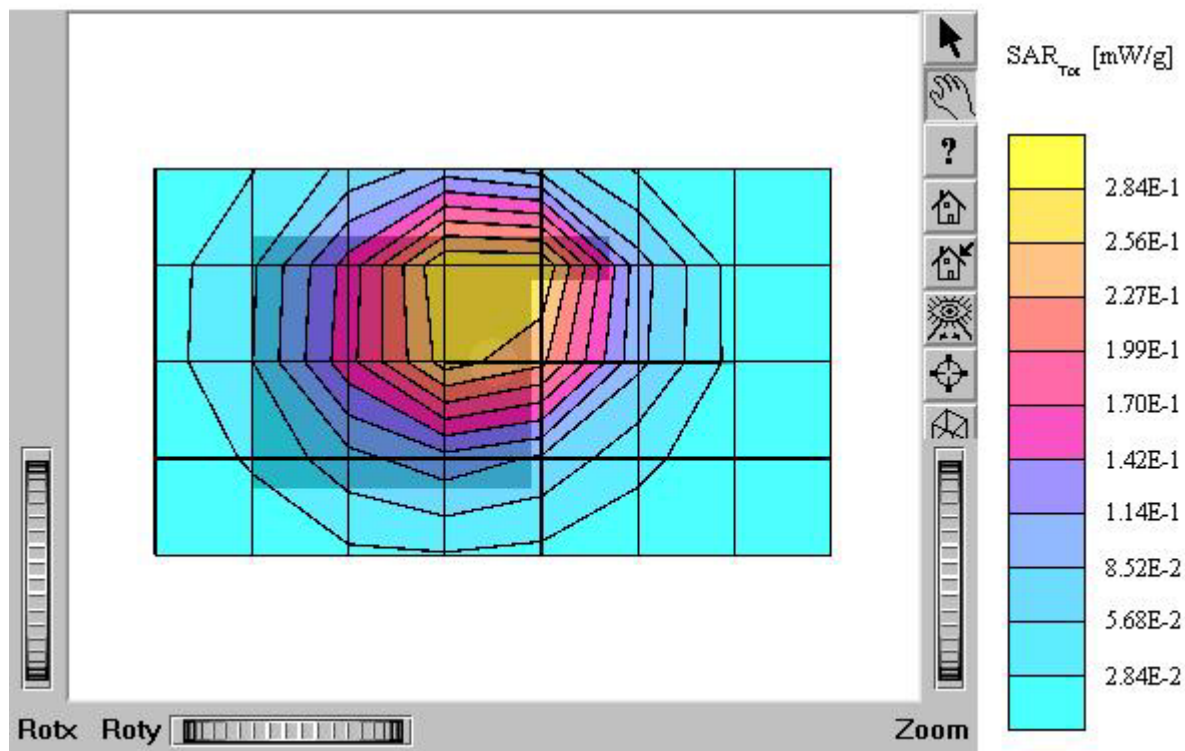


ATTACHMENT O – SAR TEST PLOTS (3 of 3)

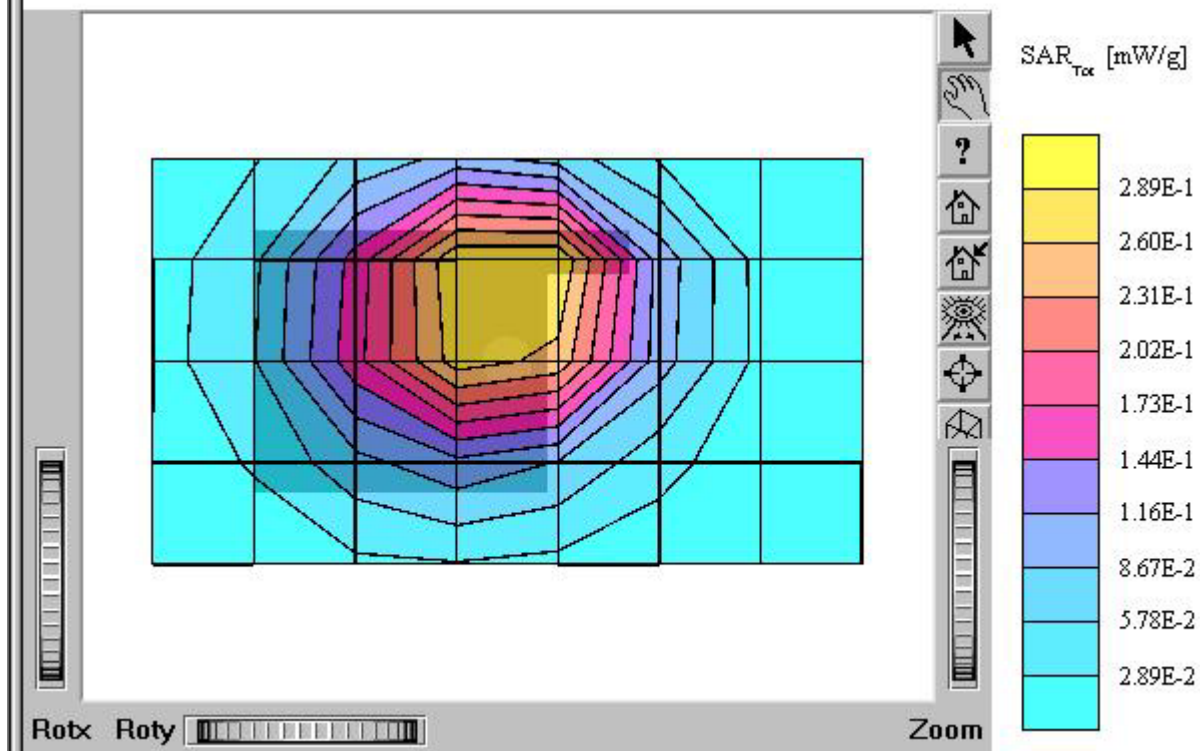
C640 (Body)

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.47,6.47,6.47); Crest factor: 8.0; Body 835 MHz: $s = 0.97$
 ρ_{ho}/m $e_r = 53.9$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.303 mW/g, SAR (10g): 0.204 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.04 dB
Comment:
MODEL : C640
Company : Newgen Telecom Co.,Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM850 / Channel : 128
Liquid Temperature: 21.4°C
Date Tested : March 21, 2005



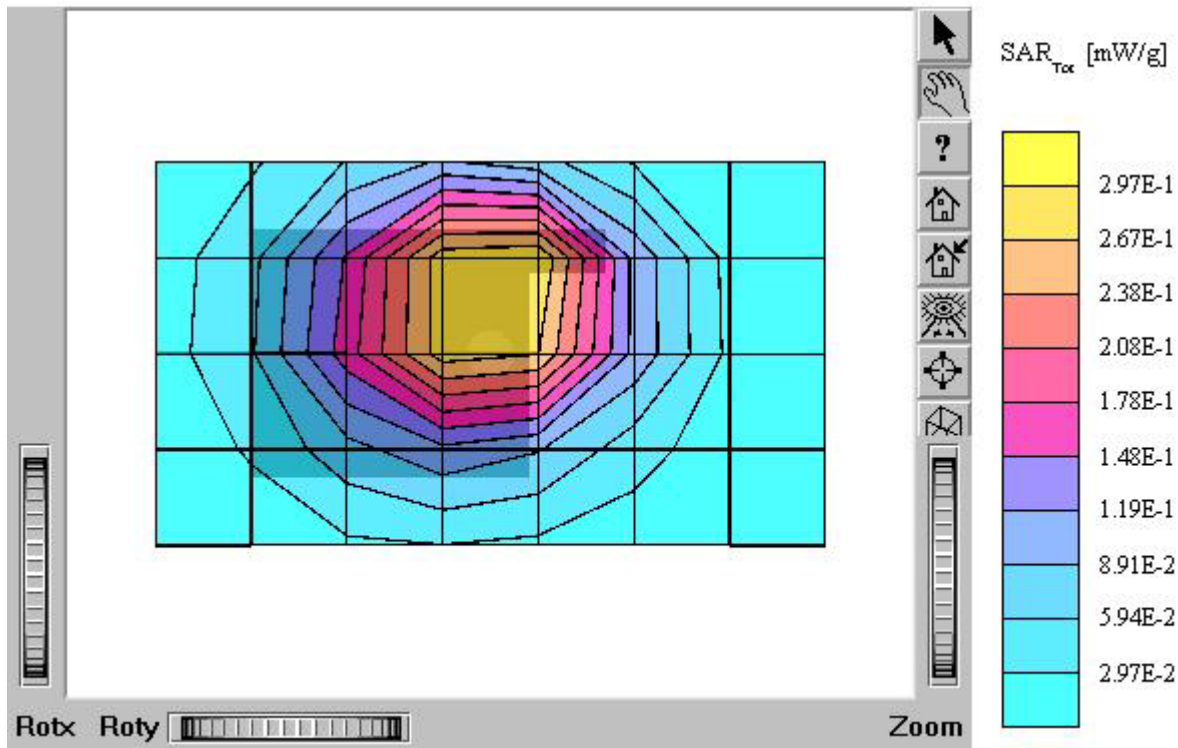
C640 (Body)

SAM 1 Phantom: Flat Section: Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.47,6.47,6.47); Crest factor: 8.0; Body 835 MHz: s = 0.97
mho/m ϵ_r = 53.9 ρ = 1.00 g/cm³
Cube 5x5x7: SAR (1g): 0.313 mW/g, SAR (10g): 0.209 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.04 dB
Comment:
MODEL: C640
Company: Newgen Telecom Co.,Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM850 / Channel: 190
Liquid Temperature: 21.4°C
Date Tested: March 21, 2005



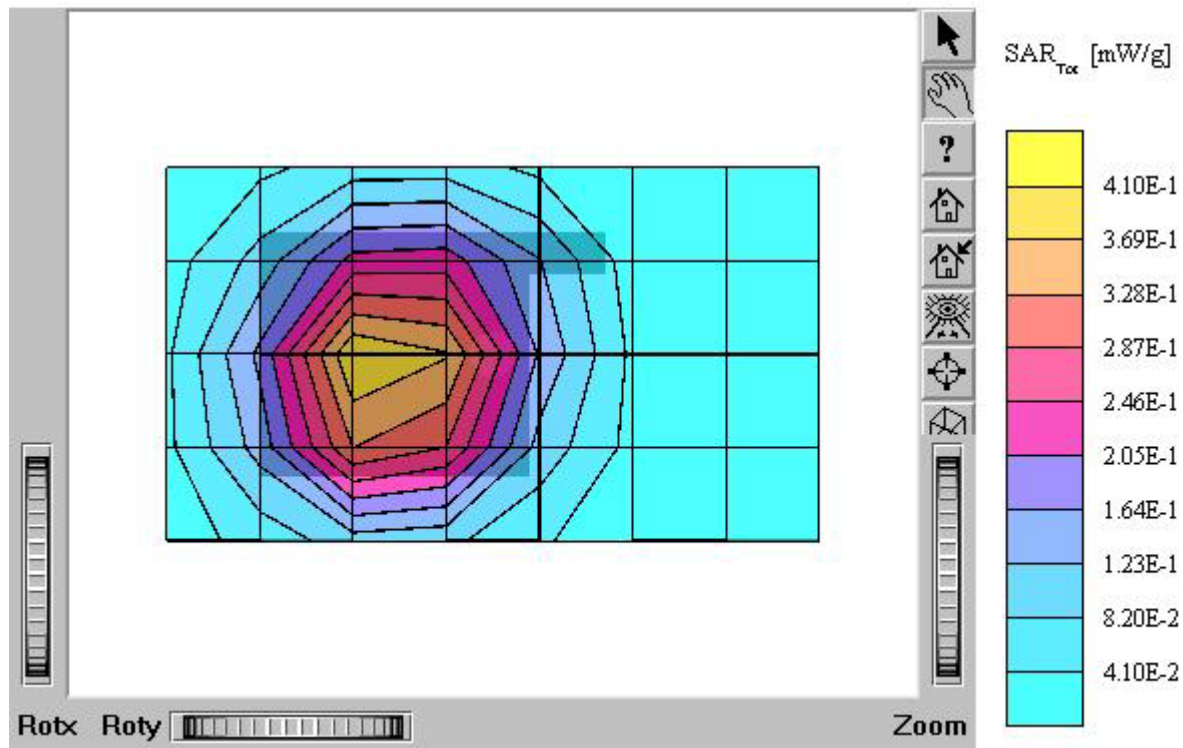
C640 (Body)

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1609; ConvF(6.47,6.47,6.47); Crest factor: 8.0; Body 835 MHz: $s = 0.97$
 $\rho_{\text{ho/m}}$ $e_r = 53.9$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.320 mW/g; SAR (10g): 0.214 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.07 dB
Comment:
MODEL : C640
Company : Newgen Telecom Co.,Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM850 / Channel : 251
Liquid Temperature: 21.4°C
Date Tested : March 21, 2005



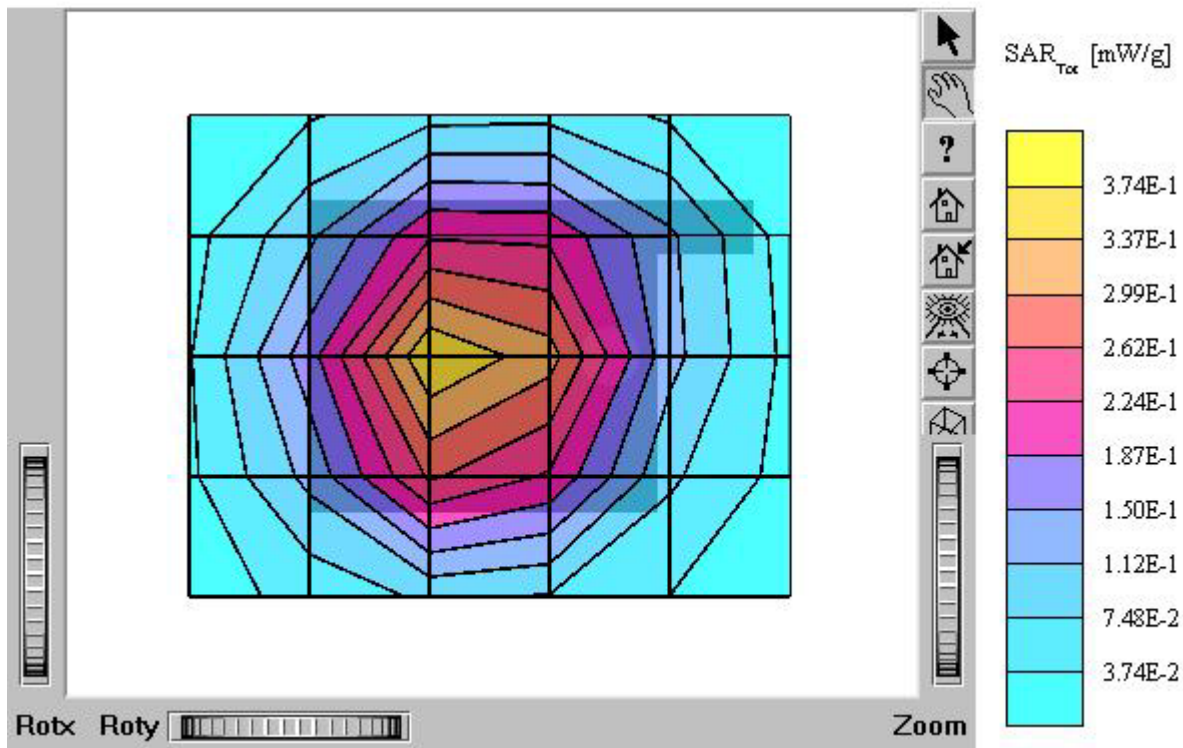
C640 (Body)

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 8.0; Body 1900 MHz: $s = 1.58$
 ρ_{ho}/m $e_r = 50.9$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.391 mW/g, SAR (10g): 0.247 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.01 dB
Comment:
MODEL : C640
Company : Newgen Telecom Co.,Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM1900 / Channel : 512
Liquid Temperature: 21.4°C
Date Tested : March 21, 2005



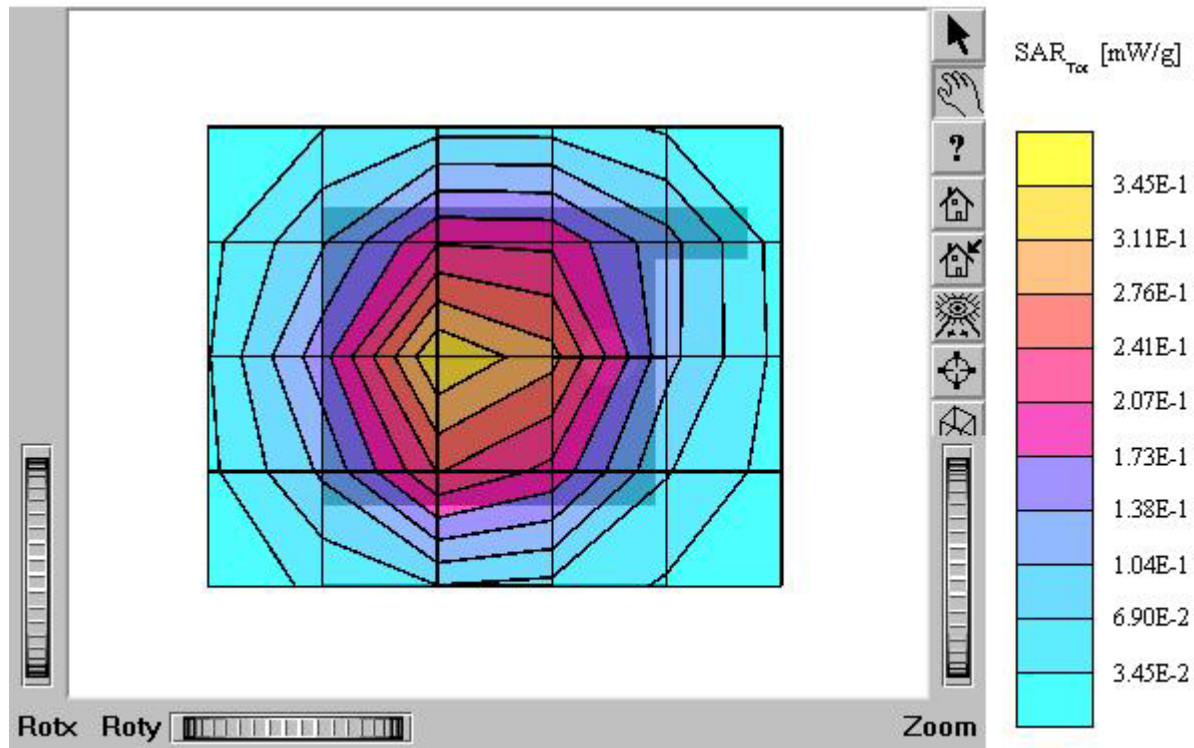
C640 (Body)

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 8.0; Body 1900 MHz: $s = 1.58$
 mho/m $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.345 mW/g, SAR (10g): 0.215 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.04 dB
Comment:
MODEL : C640
Company : Newgen Telecom Co.,Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM1900 / Channel : 661
Liquid Temperature: 21.4°C
Date Tested : March 21, 2005



C640 (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 8.0; Body 1900 MHz: $s = 1.58$
 mho/m $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.315 mW/g, SAR (10g): 0.195 mW/g
Coarse: $D_x = 20.0$, $D_y = 20.0$, $D_z = 10.0$
Powerdrift: -0.00 dB
Comment:
MODEL : C640
Company : Newgen Telecom Co.,Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM1900 / Channel : 810
Liquid Temperature: 21.4°C
Date Tested : March 21, 2005



C640

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

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 8.0; Brain 835 MHz: $s = 0.91$
 $\rho = 39.9$ g/cm³

:

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

Comment:

MODEL : C640

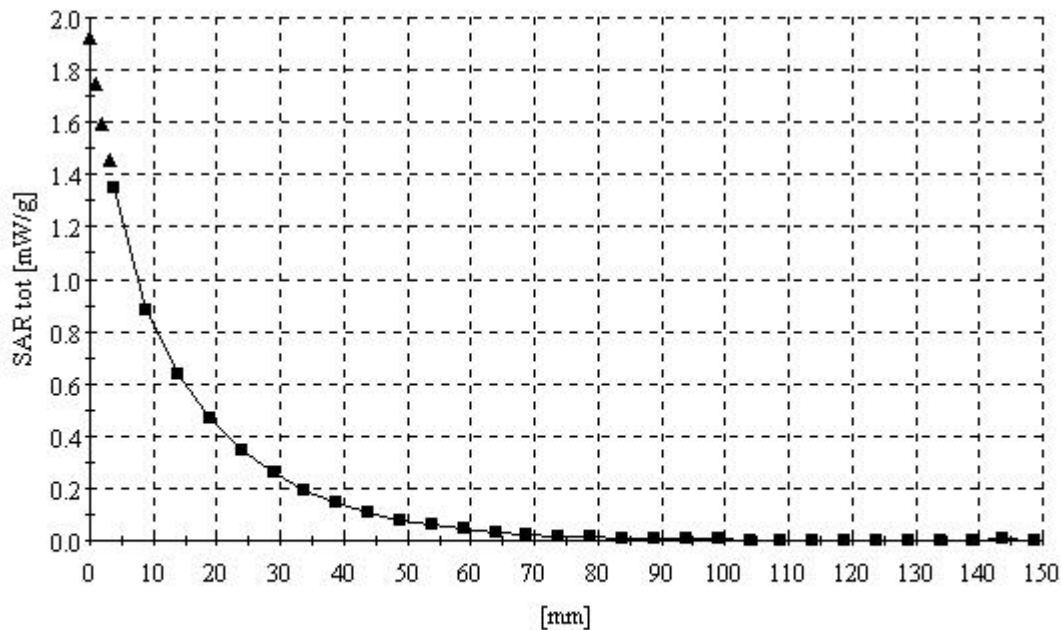
Company : Newgen Telecom Co.,Ltd

Test Position: Left Touch / Antenna: Fixed

Mode: GSM850 / Channel : 128

Liquid Temperature: 21.4°C

Date Tested : March 21, 2005



C640

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

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Brain 1900 MHz: $s = 1.39$
 ρ_{ho}/m $e_r = 40.4$ $r = 1.00$ g/cm^3

:

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

Comment:

MODEL : C640

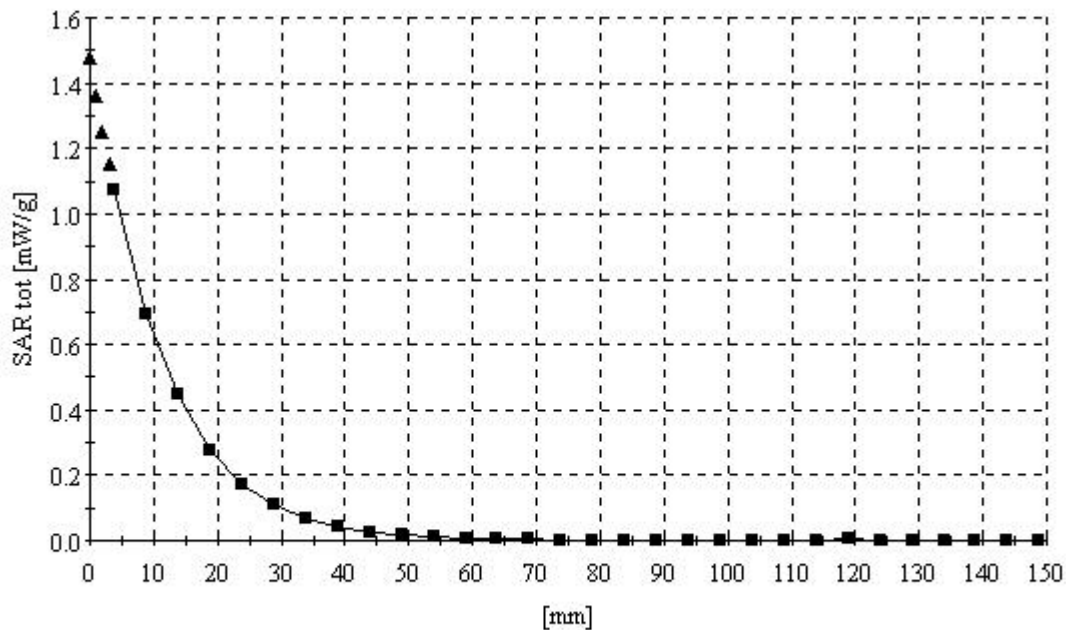
Company : Newgen Telecom Co.,Ltd

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.4°C

Date Tested : March 21, 2005



C640 (Body)

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

Probe: ET3DV6 - SN1609; ConvF(6.47,6.47,6.47); Crest factor: 8.0; Body 835 MHz: $s = 0.97$
 ρ_{ho}/m $e_r = 53.9$ $r = 1.00$ g/cm³

:

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

Comment:

MODEL : C640

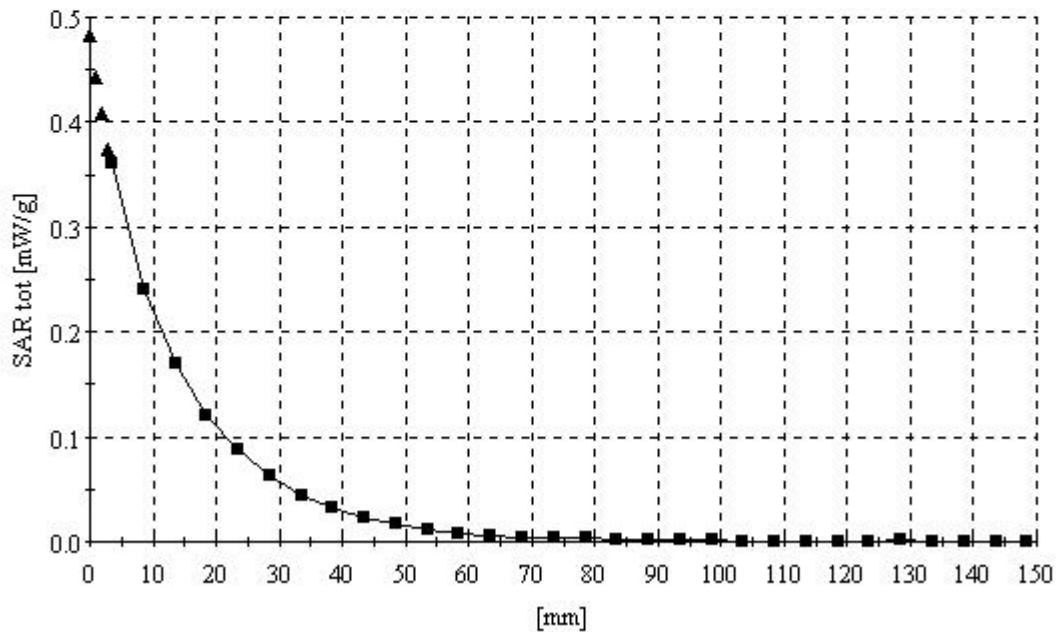
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 251

Liquid Temperature: 21.4°C

Date Tested : March 21, 2005



C640 (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 8.0; Body 1900 MHz: $s = 1.58$
 $\rho = 50.9$ g/cm³ $r = 1.00$ g/cm³

:

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

Comment:

MODEL : C640

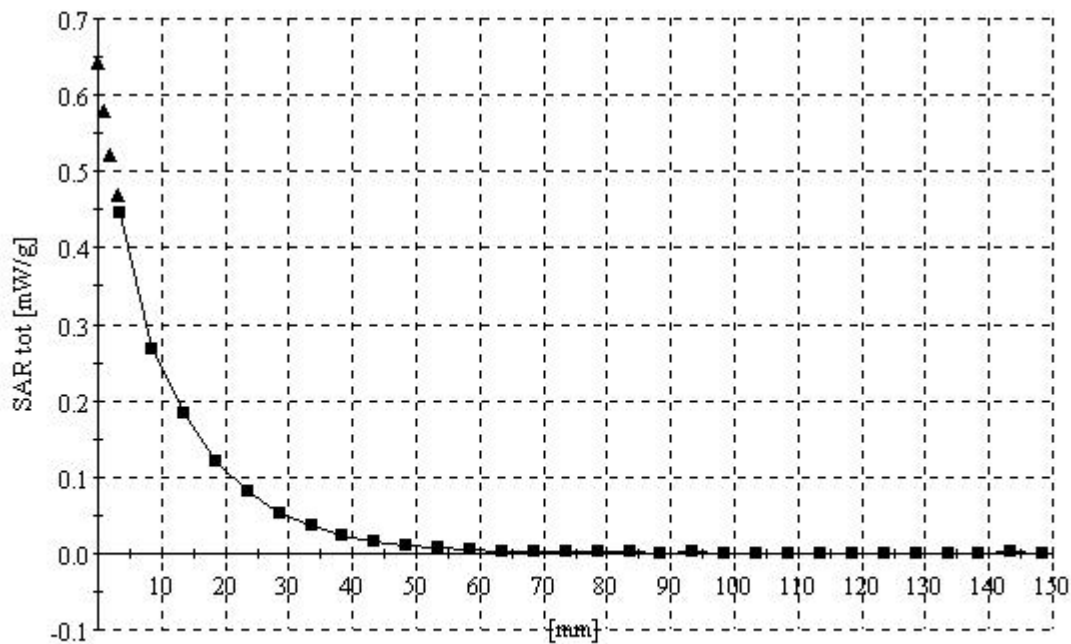
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.4°C

Date Tested : March 21, 2005



C640 (Body)

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

Probe: ET3DV6 - SN1609; ConvF(6.47,6.47,6.47); Crest factor: 8.0; Body 835 MHz: $\sigma = 0.98 \text{ mho/m}$, $\epsilon_r = 53.7$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.249 mW/g, SAR(10g): 0.164 mW/g

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

Powerdrift: -0.06 dB

Comment:

MODEL : C640 (GPRS)

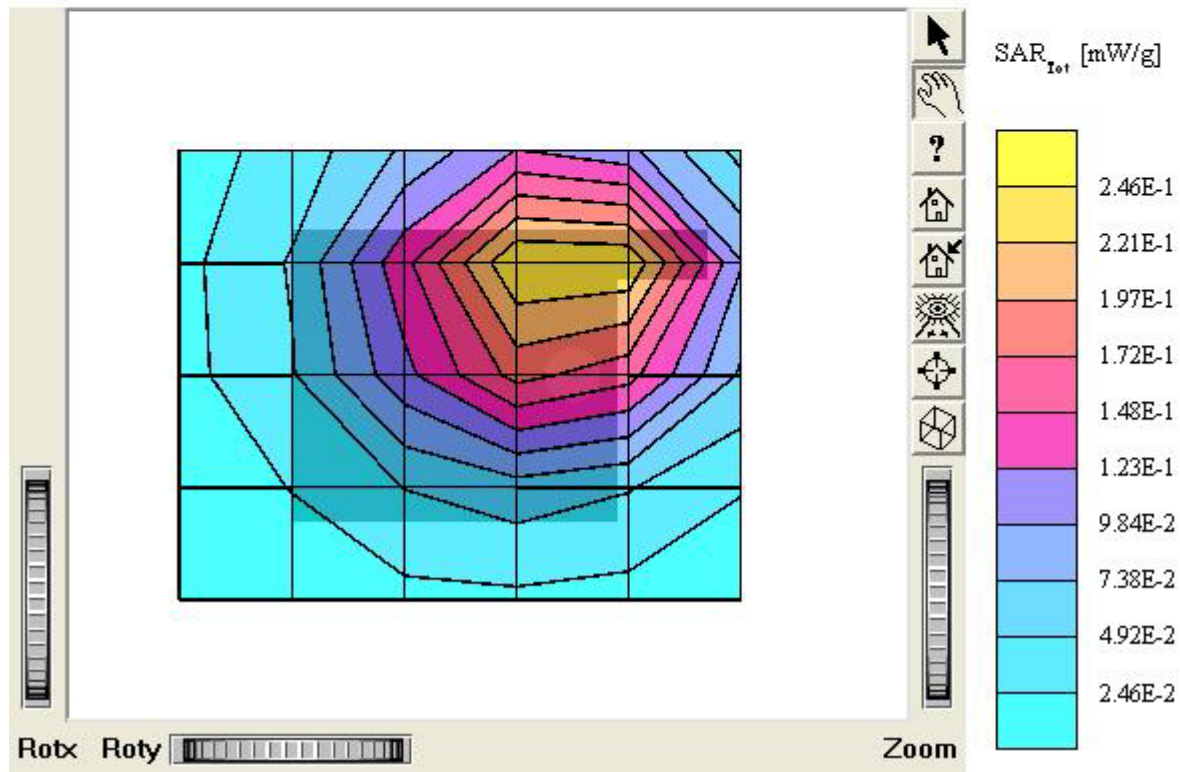
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.3°C

Date Tested : April 8, 2005



C640 (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 8.0; Body 1900 MHz: $\sigma = 1.51 \text{ mho/m}$ $\epsilon_r = 52.6$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.212 mW/g, SAR (10g): 0.134 mW/g

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

Powerdrift: -0.01 dB

Comment:

MODEL : C640 (GPRS)

Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.3°C

Date Tested : April 8, 2005

