

ATTACHMENT O – SAR TEST PLOTS (3 of 3)

N551 (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: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.251 mW/g, SAR (10g): 0.169 mW/g

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

Powerdrift: -0.25 dB

Comment:

MODEL : N551

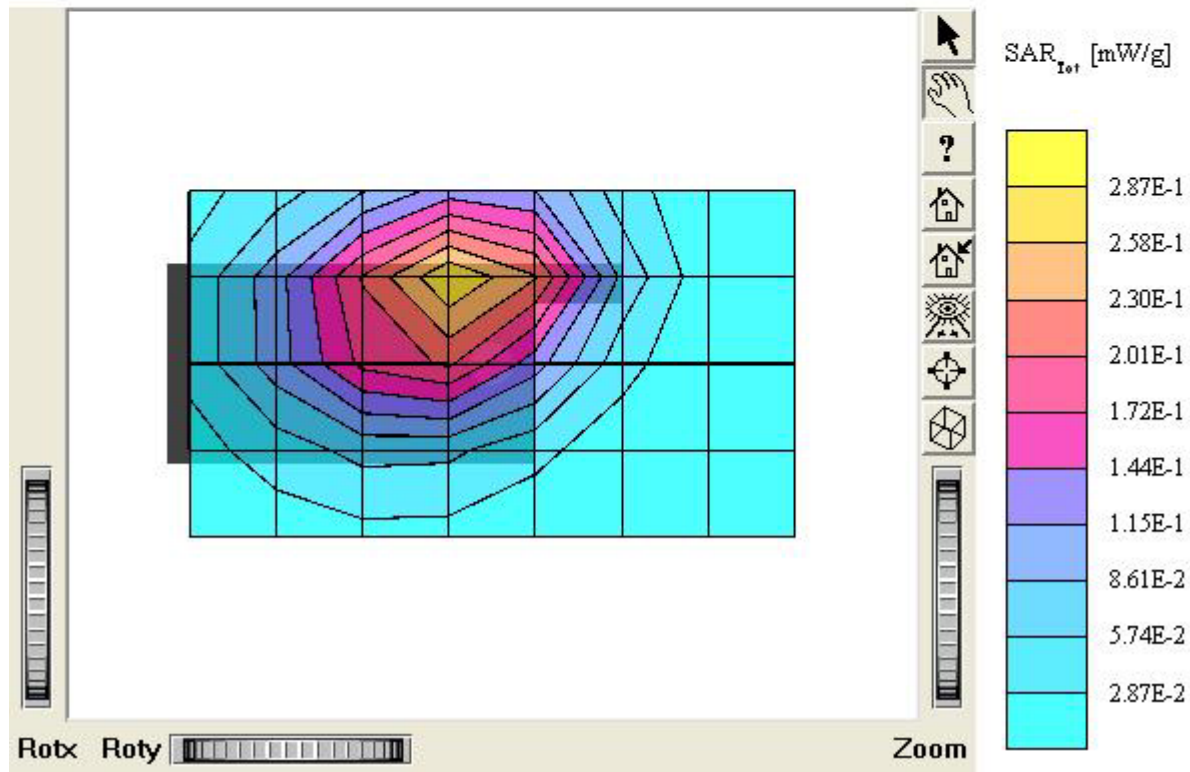
Company : Newgen Telecom Co., Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 128

Liquid Temperature: 21.6°C

Date Tested : March 17, 2004



N551 (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: $\sigma = 0.97 \text{ mho/m}$, $\epsilon_r = 53.9$

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

Cube 5x5x7: SAR (1g): 0.259 mW/g, SAR (10g): 0.175 mW/g

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

Powerdrift: 0.02 dB

Comment:

MODEL : N551

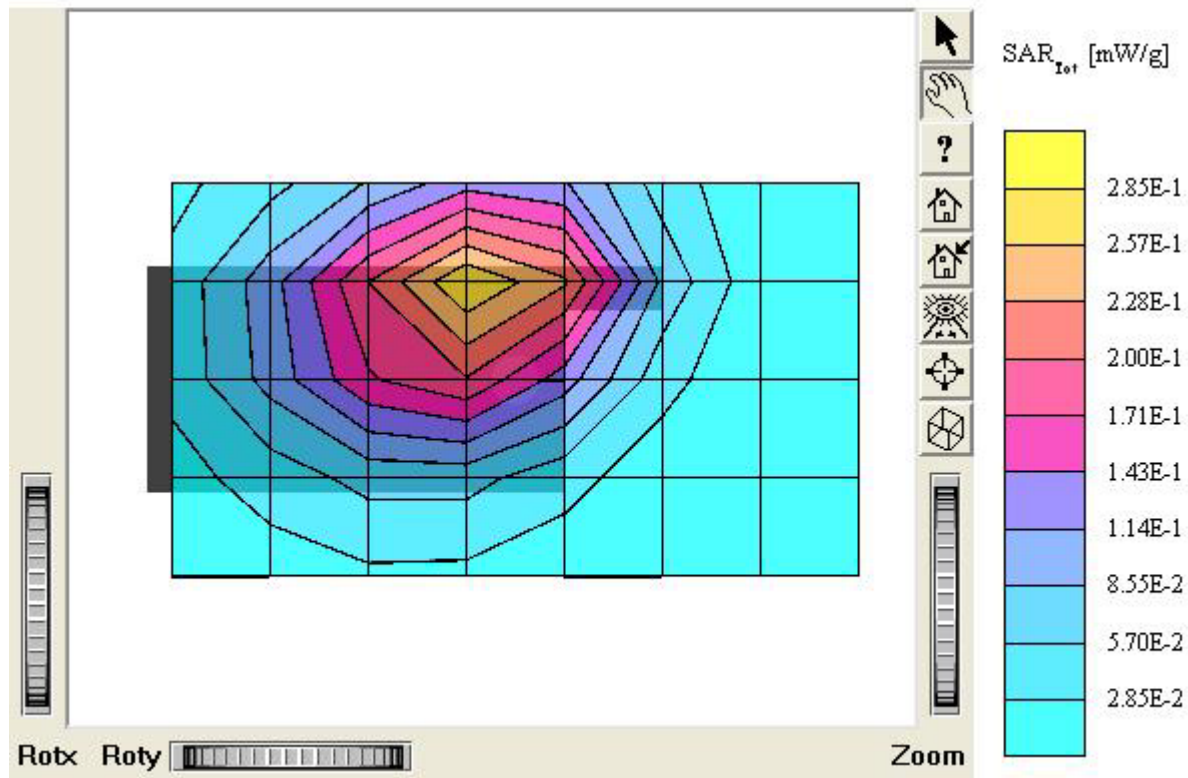
Company : Newgen Telecom Co., Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.6°C

Date Tested : March 17, 2004



N551 (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: $\sigma = 0.97 \text{ mho/m}$, $\epsilon_r = 53.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.277 mW/g, SAR (10g): 0.185 mW/g

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

Powerdrift: -0.02 dB

Comment:

MODEL : N551

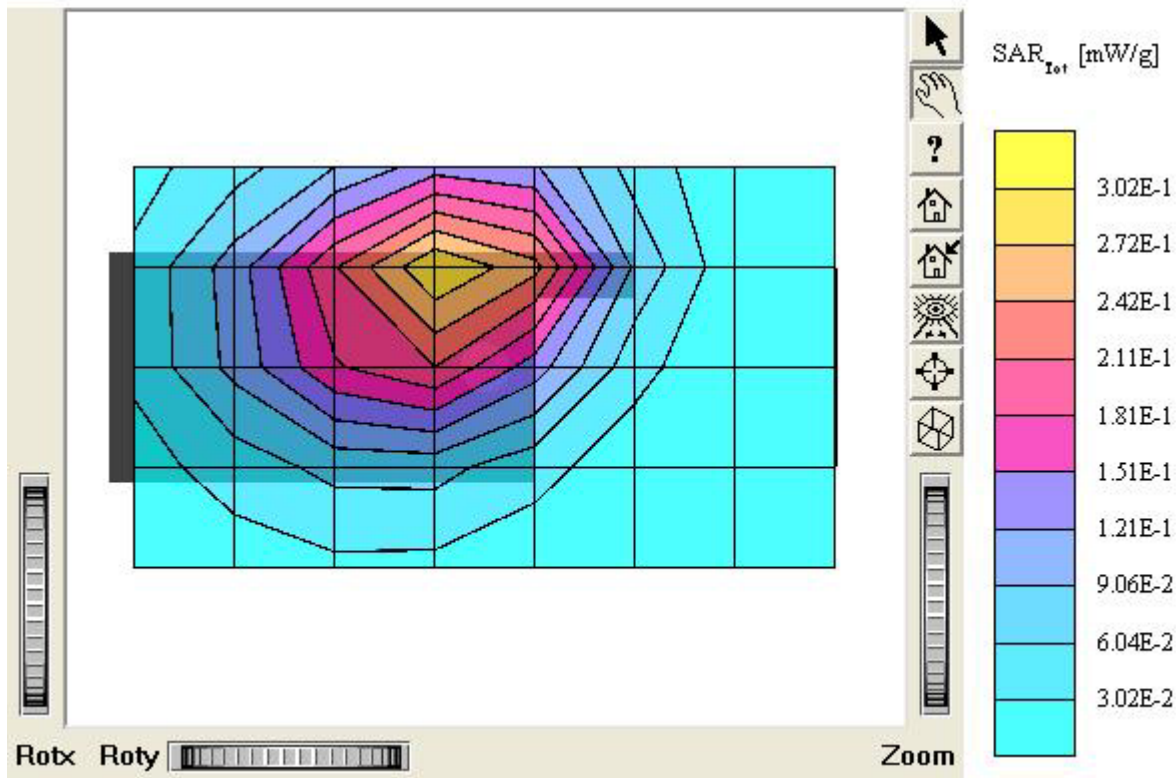
Company : Newgen Telecom Co., Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 251

Liquid Temperature: 21.6°C

Date Tested : March 17, 2004



N551 (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: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.213 mW/g, SAR (10g): 0.127 mW/g

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

Powerdrift: -0.04 dB

Comment:

MODEL : N551

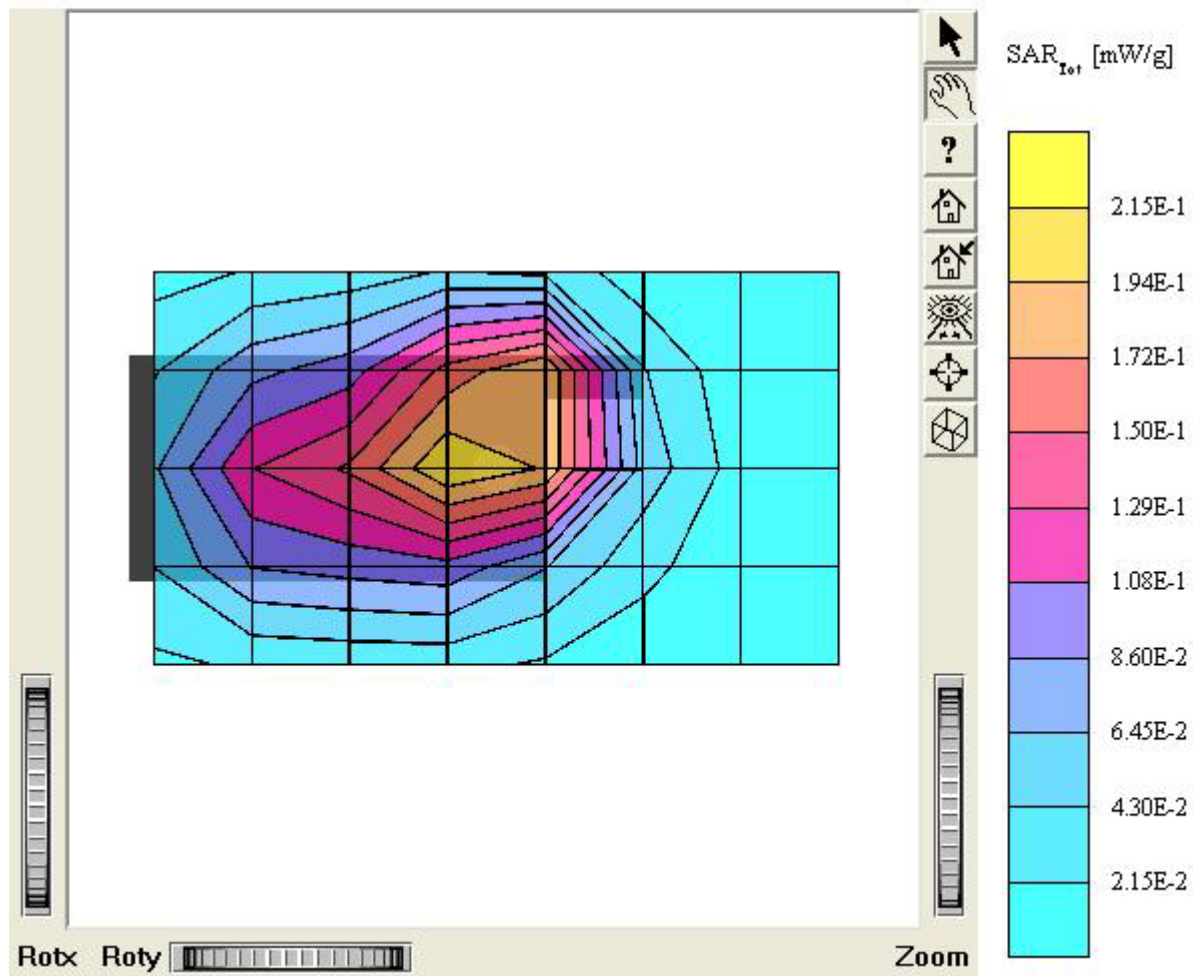
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.6°C

Date Tested : March 17, 2005



N551 (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: $\sigma = 1.58 \text{ mho/m}$, $\epsilon_r = 50.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.245 mW/g, SAR (10g): 0.144 mW/g

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

Powerdrift: 0.04 dB

Comment:

MODEL : N551

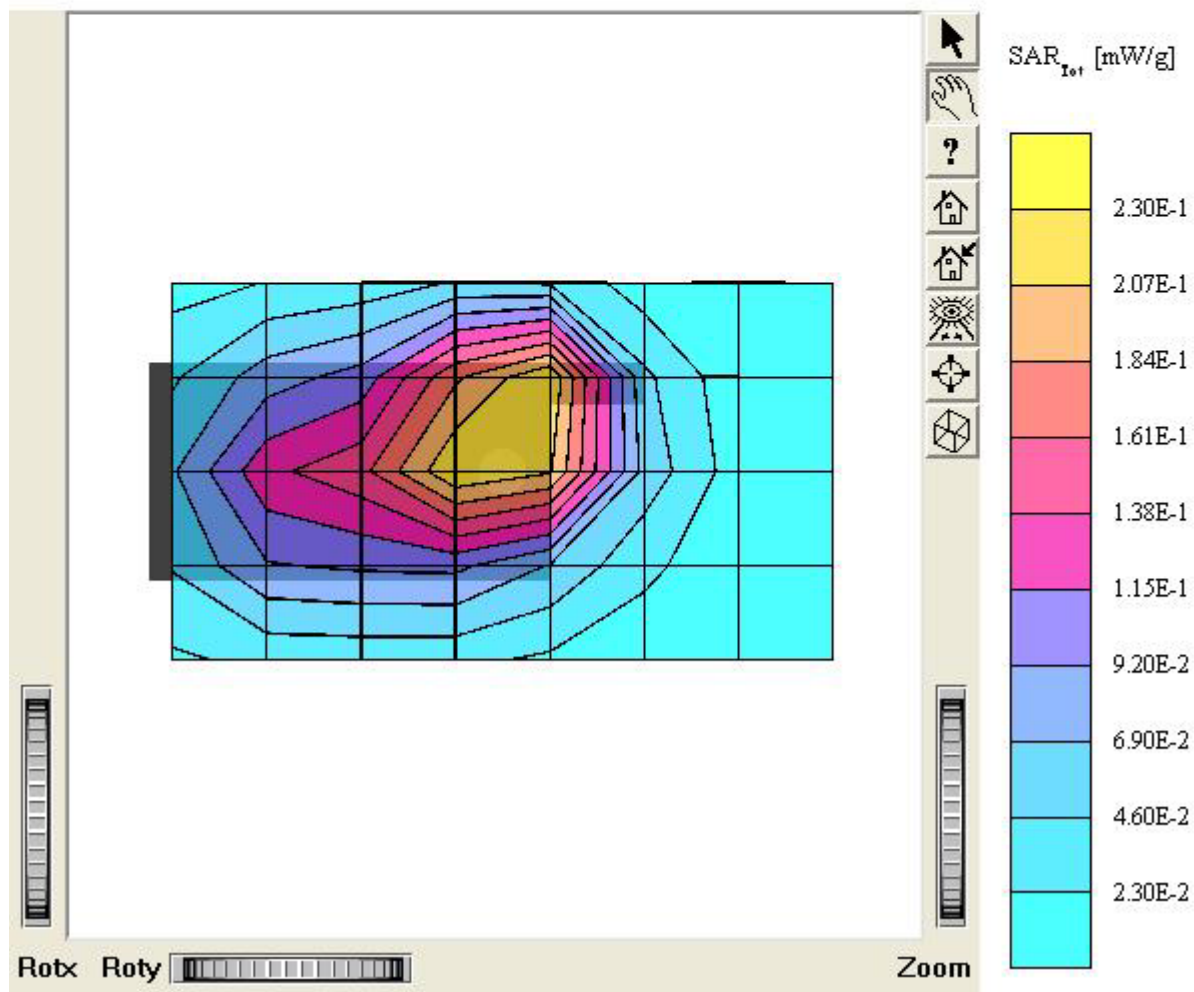
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.6°C

Date Tested : March 17, 2005



N551 (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: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.280 mW/g, SAR (10g): 0.165 mW/g

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

Powerdrift: 0.03 dB

Comment:

MODEL : N551

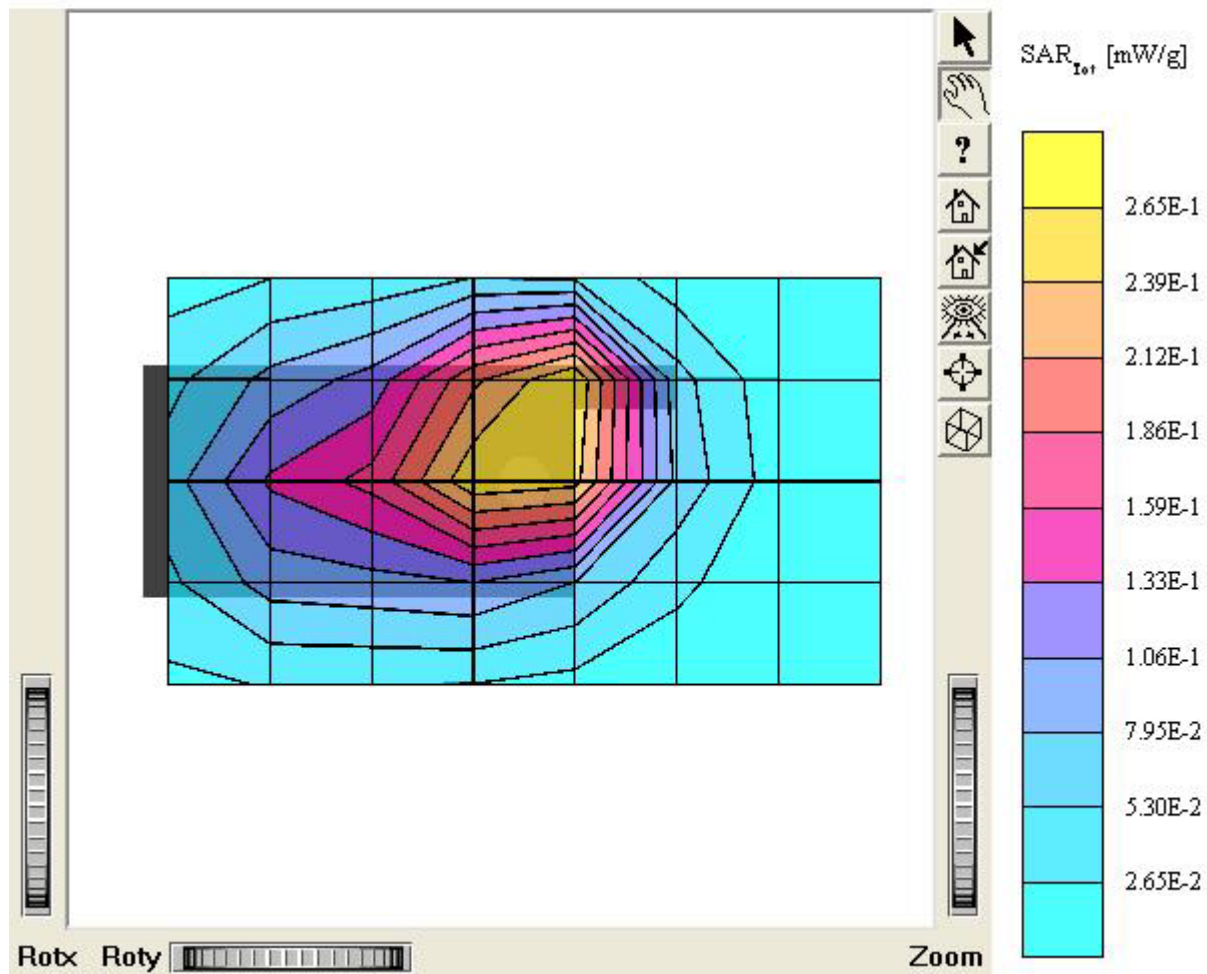
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 810

Liquid Temperature: 21.6°C

Date Tested : March 17, 2005



N551

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: $\sigma = 0.89$ mho/m $\epsilon_r = 41.0$ $\rho = 1.00$ g/cm³

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

Comment:

MODEL : N551

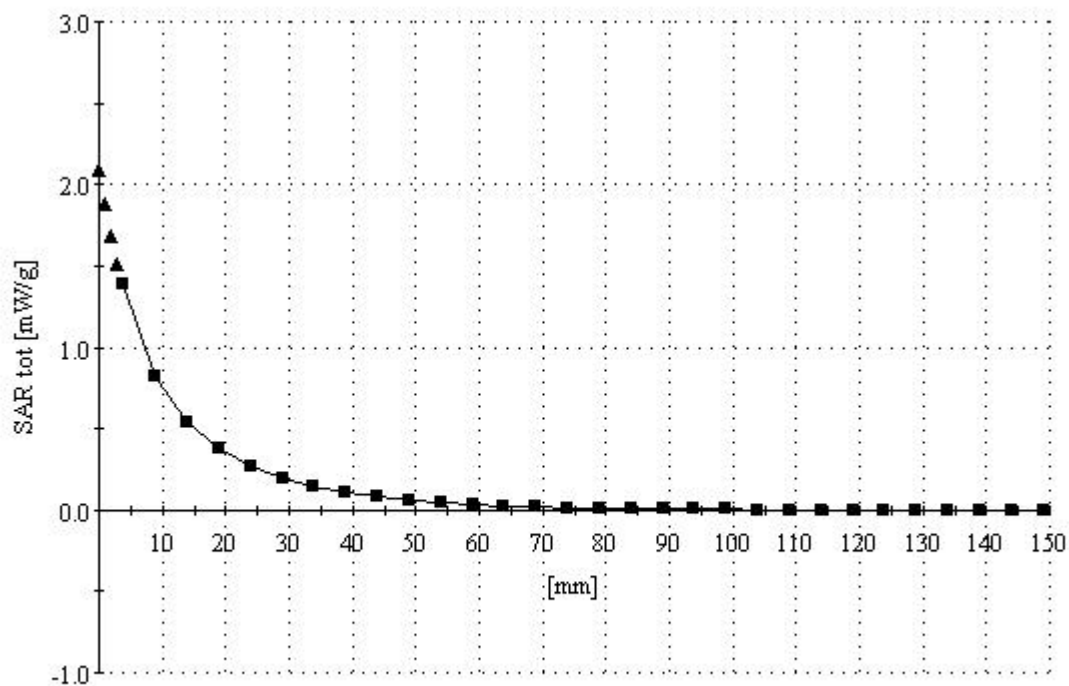
Company : Newgen Telecom Co.,Ltd

Test Position: Right Touch / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.6°C

Date Tested : March 17, 2005



N551 (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: $\sigma = 0.97$ mho/m $\epsilon_r = 53.9$ $\rho = 1.00$ g/cm³

:

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

Comment:

MODEL : N551

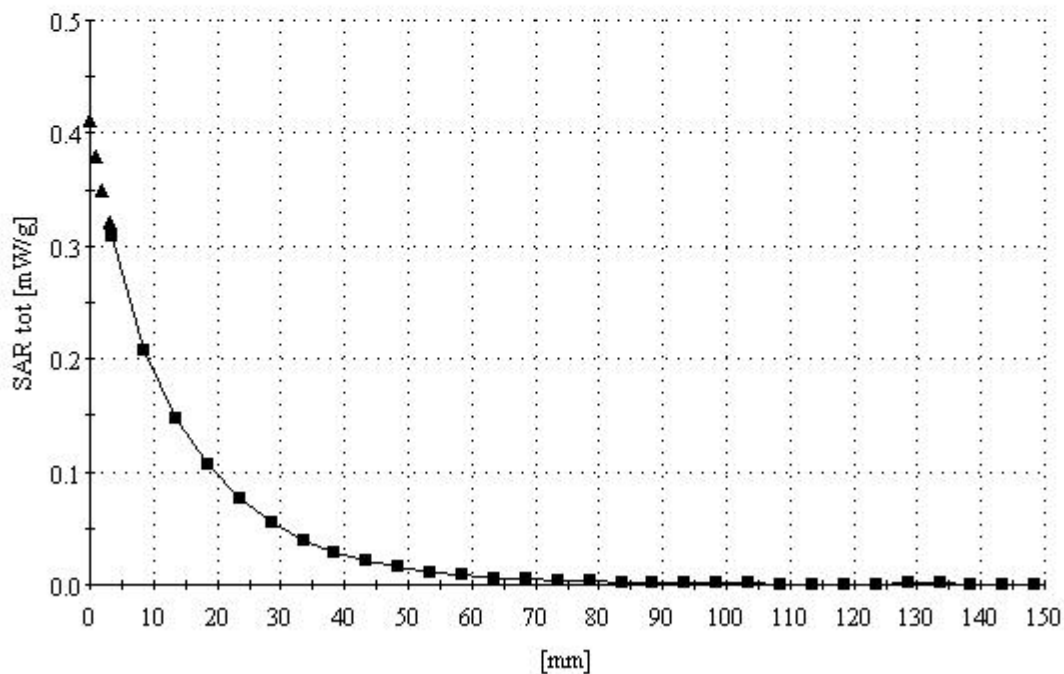
Company : Newgen Telecom Co., Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 251

Liquid Temperature: 21.6°C

Date Tested : March 17, 2004



N551

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: $\sigma = 1.42 \text{ mho/m}$ $\epsilon_r = 39.6$ $\rho = 1.00 \text{ g/cm}^3$

:

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

Comment:

MODEL : N551

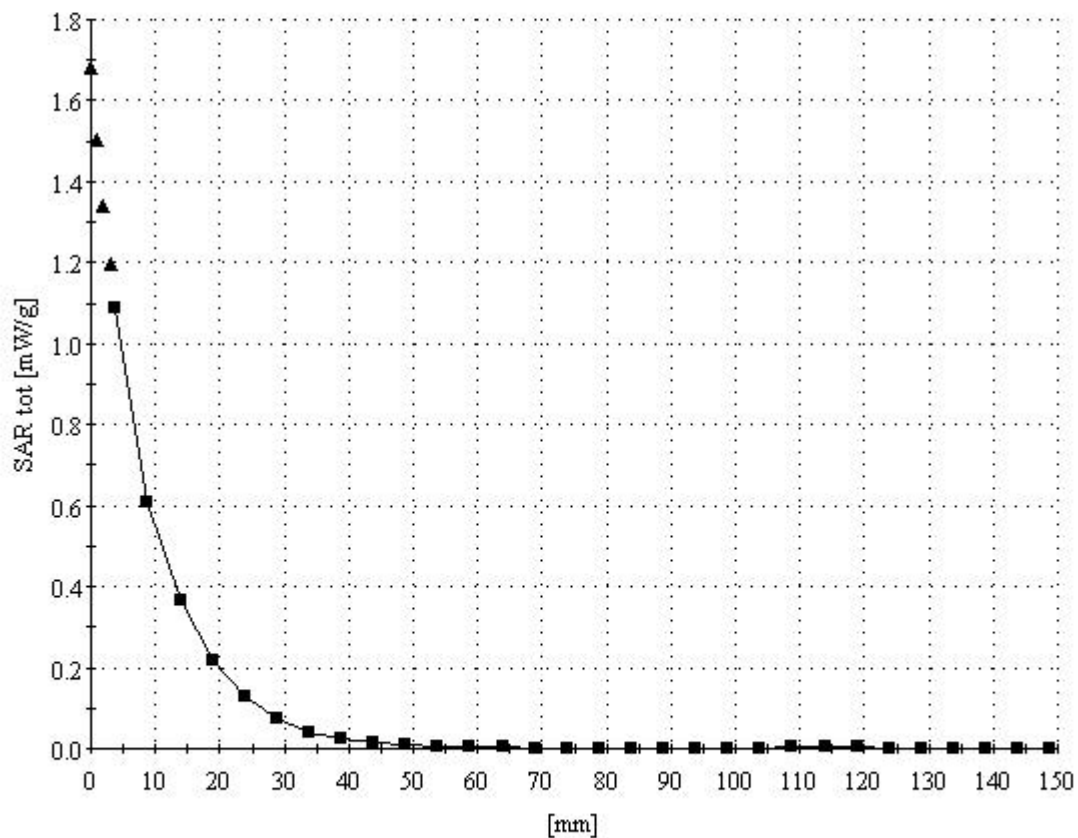
Company : Newgen Telecom Co.,Ltd

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel: 810

Liquid Temperature: 21.6°C

Date Tested : March 17, 2005



N551 (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: $\sigma = 1.58 \text{ mho/m}$ $\epsilon_r = 50.9$ $\rho = 1.00 \text{ g/cm}^3$

:

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

Comment:

MODEL : N551

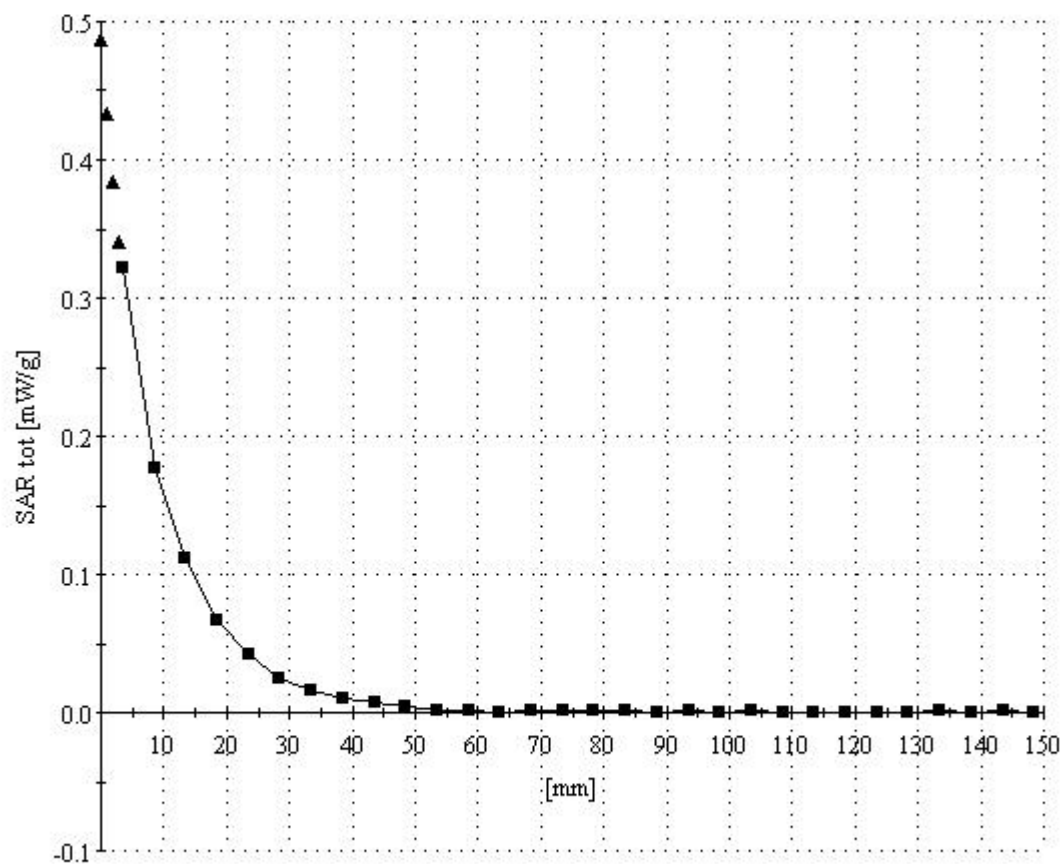
Company : Newgen Telecom Co.,Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel: 810

Liquid Temperature: 21.6°C

Date Tested : March 17, 2005



N551 (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: $\sigma = 0.96 \text{ mho/m}$, $\epsilon_r = 53.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.267 mW/g, SAR (10g): 0.179 mW/g

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

Powerdrift: -0.06 dB

Comment:

MODEL : N551 (GPRS)

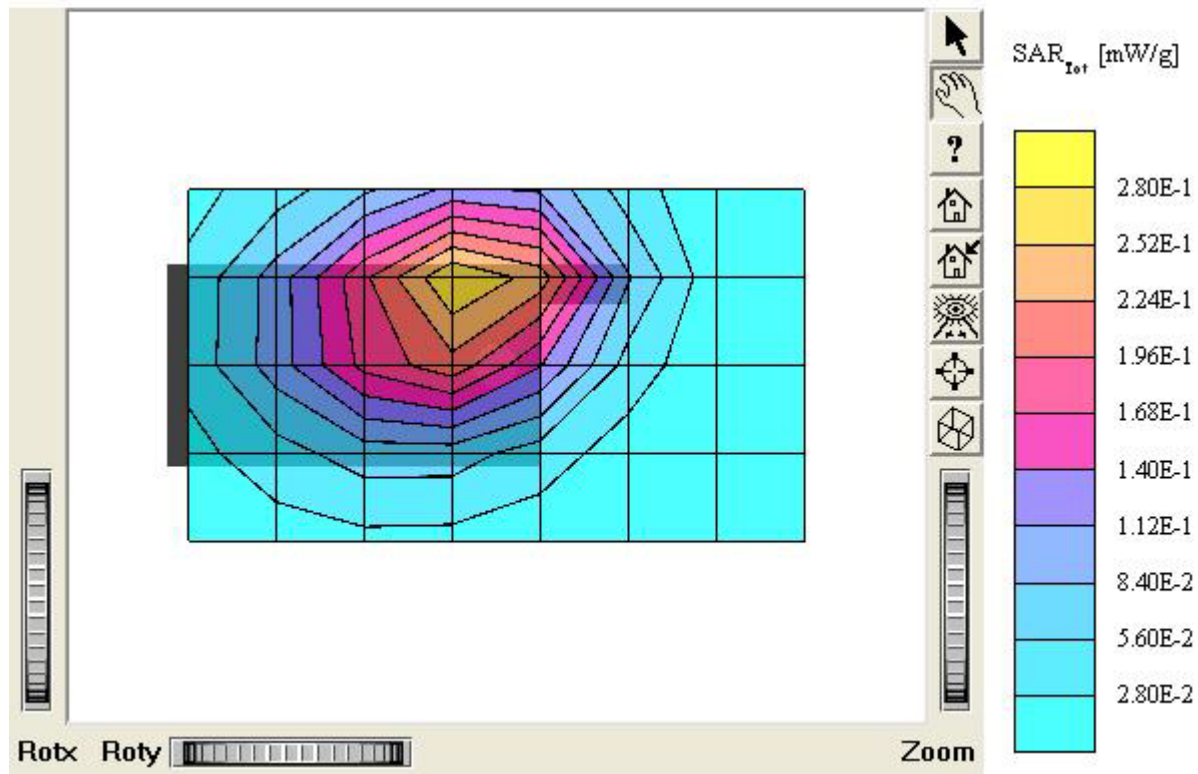
Company : Newgen Telecom Co., Ltd

Test Position: Body / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.3°C

Date Tested : April 8, 2005



N551 (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: $s = 1.47$
 ρ/m $\epsilon_r = 51.8$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.221 mW/g, SAR (10g): 0.133 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.09 dB
Comment:
MODEL : N551 (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

