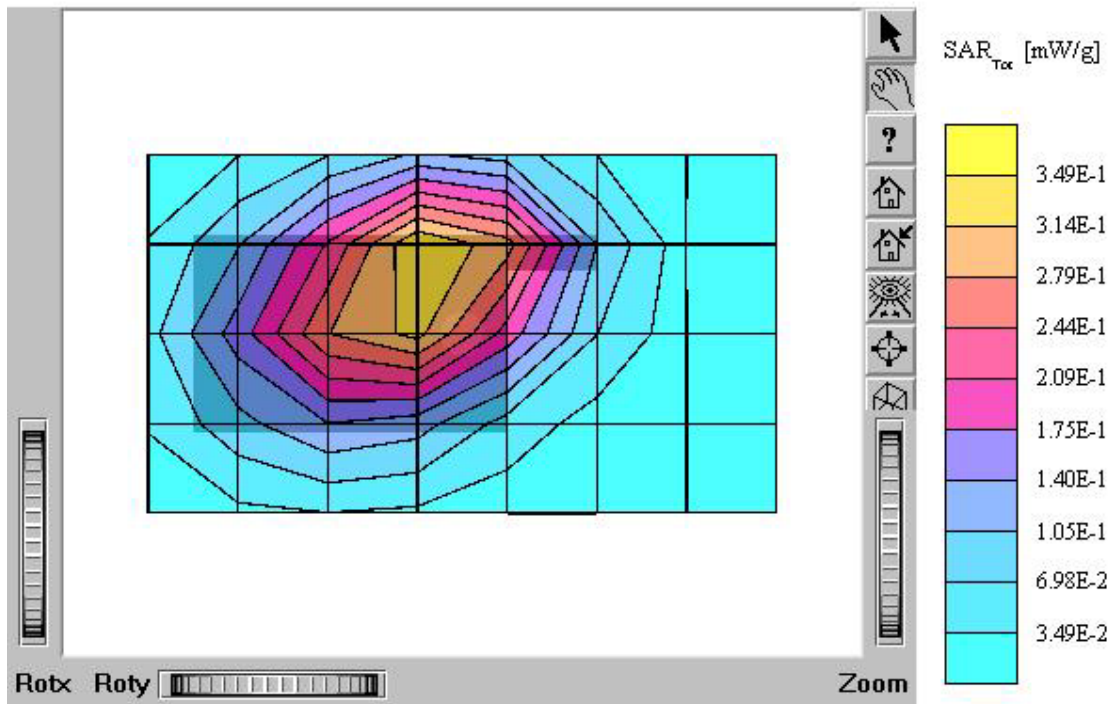


ATTACHMENT O – SAR TEST PLOTS (1 of 3)

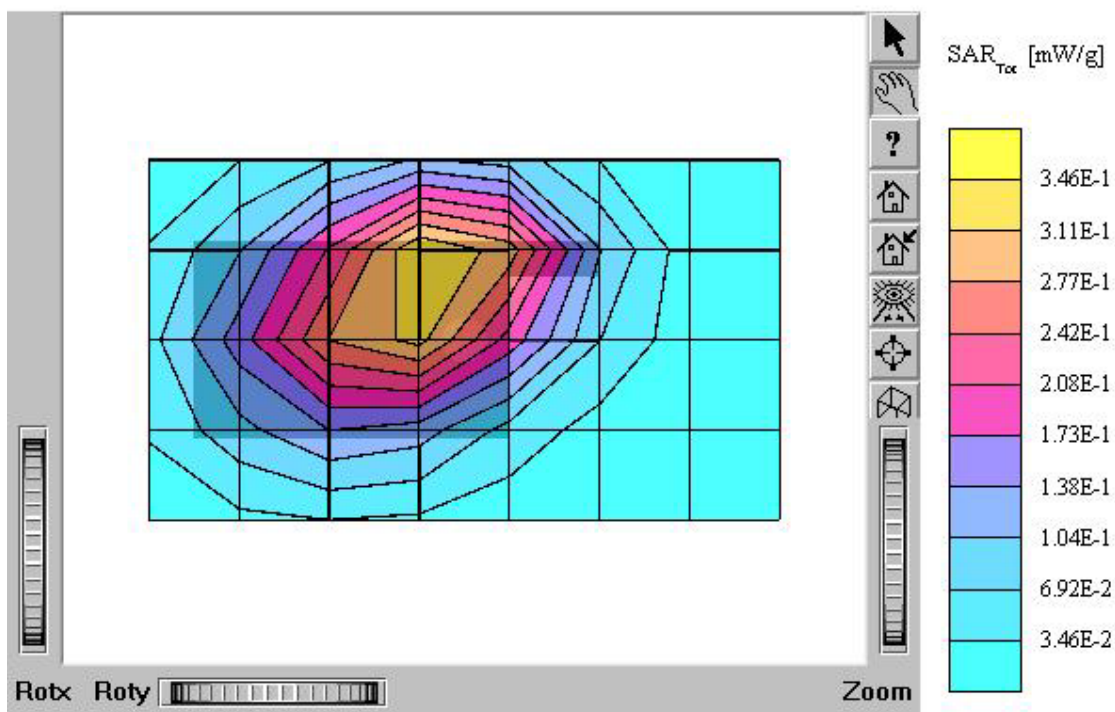
S510 (Body)

SAM II Phantom: Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 8.0; Body 835 MHz: $s = 0.96$
 $\rho_{\text{ho}}/\text{m}$, $\rho_r = 55.8$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.343 mW/g, SAR (10g): 0.226 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.01 dB
Comment:
FCC ID : R5WNGTS510T / MODEL : S510
Company : Newgen Telecom Co., Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM850 / Channel : 190
Liquid Temperature: 21.3°C
Date Tested : October 7, 2004



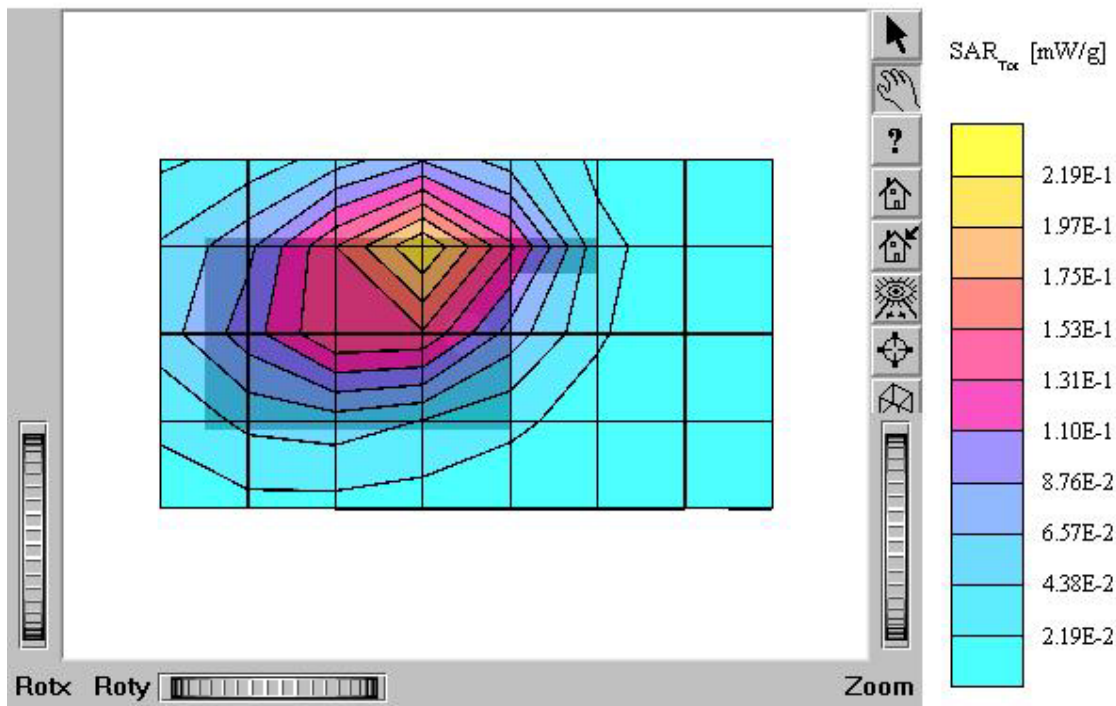
S510 (Body)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 835 MHz
Probe: ET3DV6 - SN1607: ConvF(6.26,6.26,6.26): Crest factor: 8.0: Body 835 MHz: $s = 0.96$
 ρ_{ho}/m $\epsilon_r = 55.8$ $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.336 mW/g, SAR (10g): 0.221 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.01 dB
Comment:
FCC ID : R5WNGTS510T / MODEL : S510 (GPRS)
Company : Newgen Telecom Co., Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM850 / Channel : 190
Liquid Temperature: 21.3°C
Date Tested : October 7, 2004



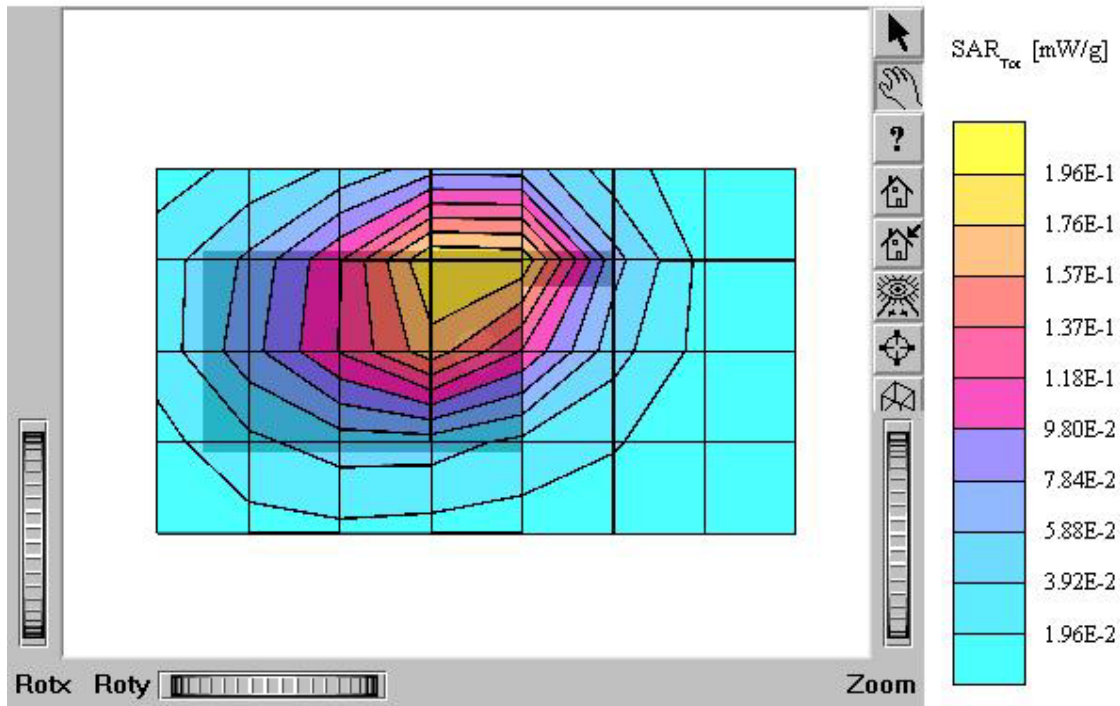
S510 (Body)

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: $s = 1.48$
 $\rho_{\text{ho}}/\text{m}$, $\epsilon_r = 51.7$, $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.199 mW/g, SAR (10g): 0.121 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.09 dB
Comment:
FCC ID : R5WNGTS510T / MODEL : S510
Company : Newgen Telecom Co., Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM1900 / Channel : 661
Liquid Temperature: 21.3°C
Date Tested : October 7, 2004



S510 (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: $s = 1.48$
 $\rho_{\text{ho}}/\text{m}$, $\epsilon_r = 51.7$, $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.195 mW/g, SAR (10g): 0.119 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB
Comment:
FCC ID : R5WNGTS510T / MODEL : S510 (GPRS)
Company : Newgen Telecom Co., Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM1900 / Channel : 661
Liquid Temperature: 21.3°C
Date Tested : October 7, 2004



S510

SAM II Phantom: Section: Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.22,6.22,6.22); Crest factor: 8.0; Brain 835 MHz: $s = 0.89$
 $\rho_{\text{ho/m}} e_r = 42.9$ $r = 1.00$ g/cm³

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

Comment:

FCC ID : R5WNGTS510T / MODEL : S510

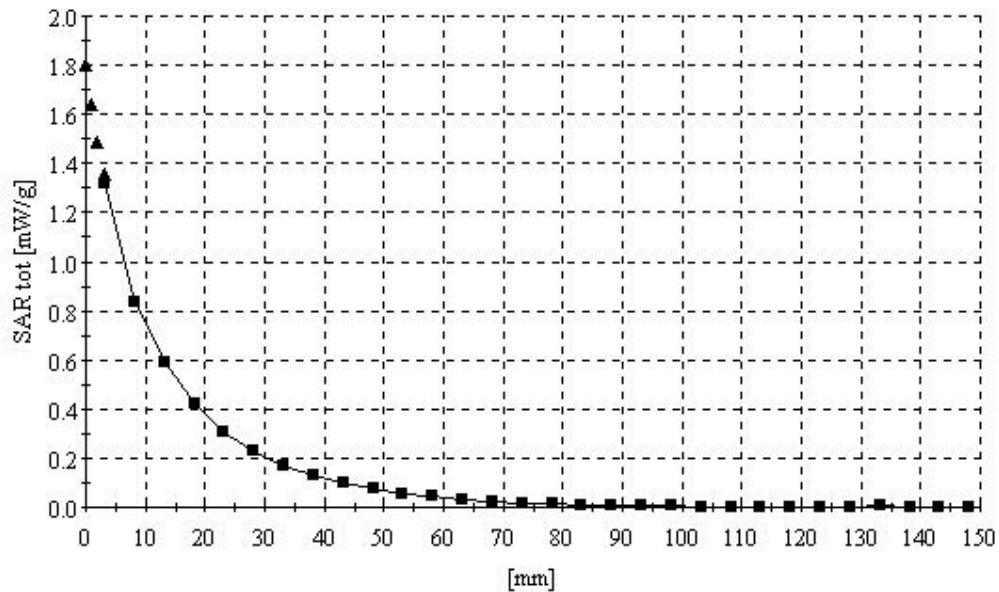
Company : Newgen Telecom Co., Ltd

Test Position: Right Touch / Antenna: Fixed

Mode: GSM850 / Channel : 251

Liquid Temperature: 21.3°C

Date Tested : October 7, 2004



S510

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 $e_r = 40.3$ $r = 1.00$ g/cm^3

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

Comment:

FCC ID : R5WNGTS510T / MODEL : S510

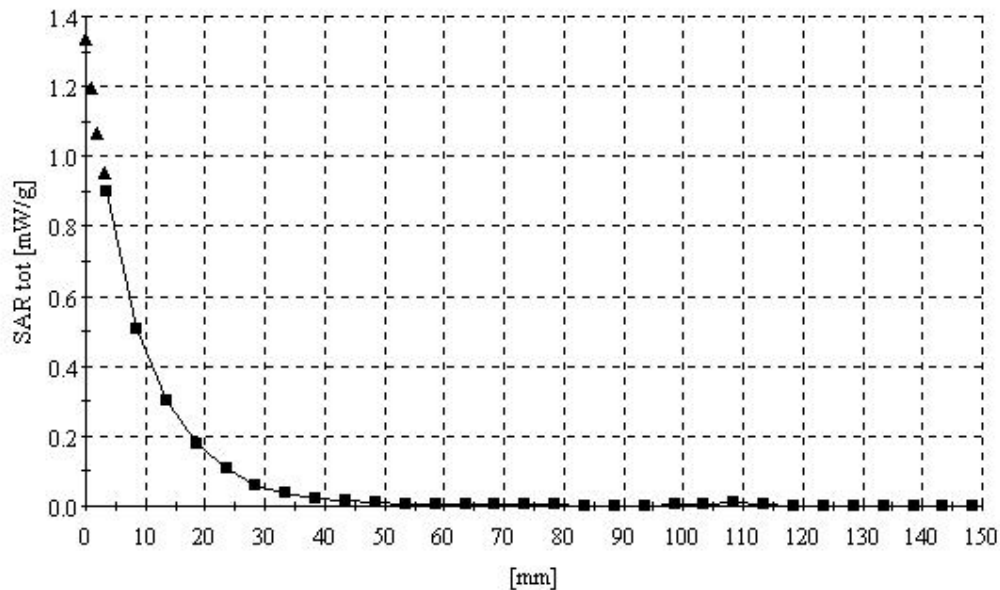
Company : Newgen Telecom Co., Ltd

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.3°C

Date Tested : October 7, 2004



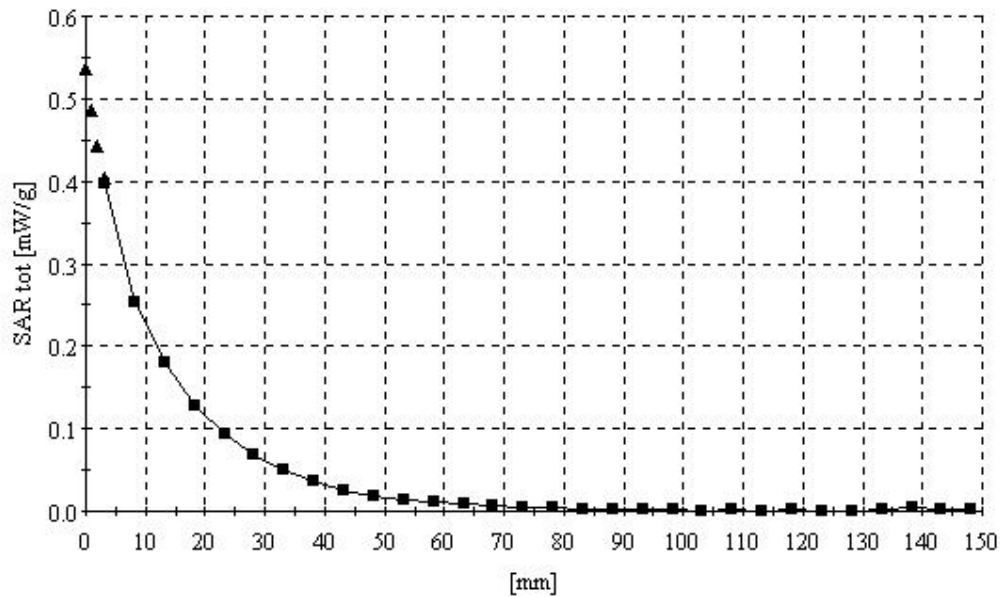
S510 (Body)

SAM II Phantom: Section: Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1607; ConvF(6.26,6.26,6.26); Crest factor: 8.0; Body 835 MHz: $s = 0.96$
 $\rho_{\text{ho}}/\text{m e}_r = 55.8$ $r = 1.00$ g/cm^3

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

Comment:

FCC ID : R5WNGTS510T / MODEL : S510
Company : Newgen Telecom Co., Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM850 / Channel : 190
Liquid Temperature: 21.3°C
Date Tested : October 7, 2004



S510 (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: $s = 1.48$
 ρ_{ho}/m $e_r = 51.7$ $r = 1.00$ g/cm^3

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

Comment:

FCC ID : R5WNGTS510T / MODEL : S510
Company : Newgen Telecom Co., Ltd
Test Position: Body / Antenna: Fixed
Mode: GSM1900 / Channel : 661
Liquid Temperature: 21.3°C
Date Tested : October 7, 2004

