

ATTACHMENT O – SAR TEST PLOTS

INNO-A21

SAM I Phantom; Left Hand (CRP) Section; Position: (90°,180°); Frequency: 835MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 8.0; Brain 835 MHz: $\sigma = 0.89$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.984 mW/g, SAR (10g): 0.656 mW/g

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

Powerdrift: -0.02 dB

Comment :

MODEL : INNO-A21

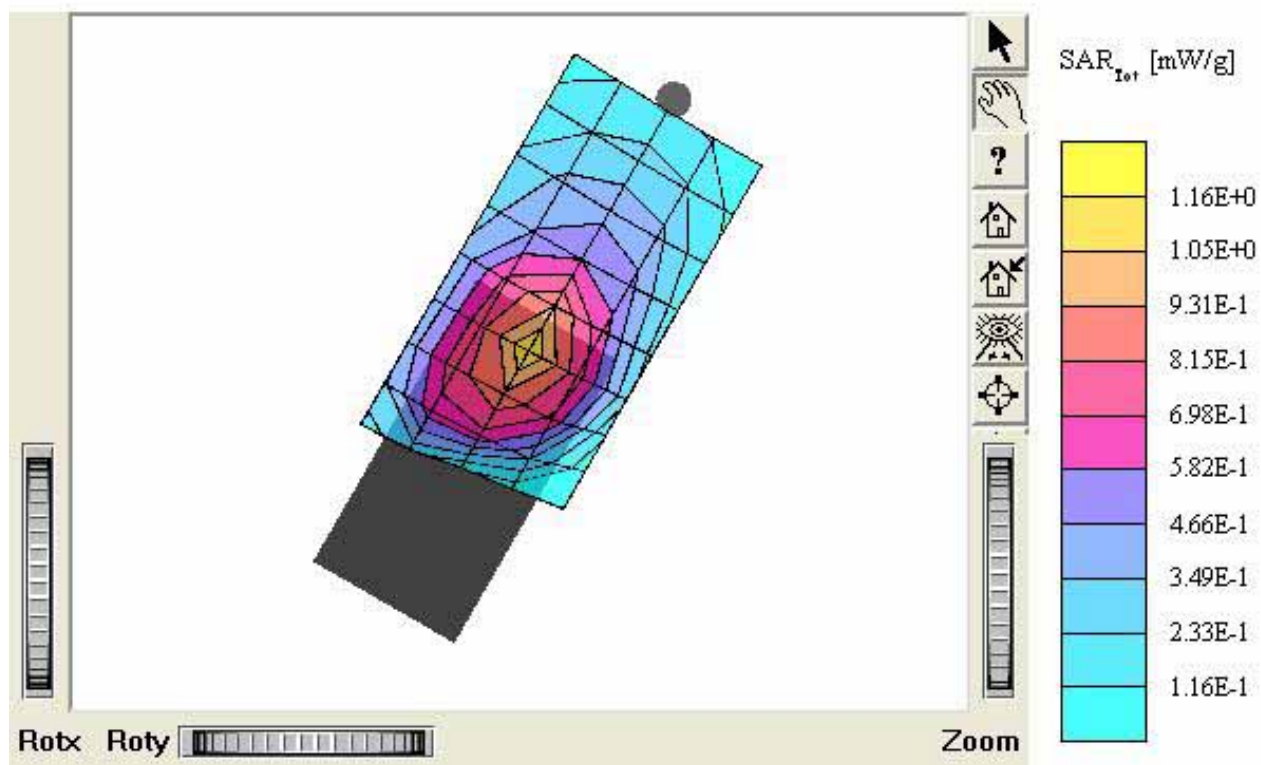
Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM850 / Channel : 128

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Left Hand (CRP) Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 8.0; Brain 835MHz: $\sigma = 0.89$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR(1g): 1.02 mW/g, SAR(10g): 0.681 mW/g

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

Powerdrift: -0.06 dB

Comment :

MODEL : INNO-A21

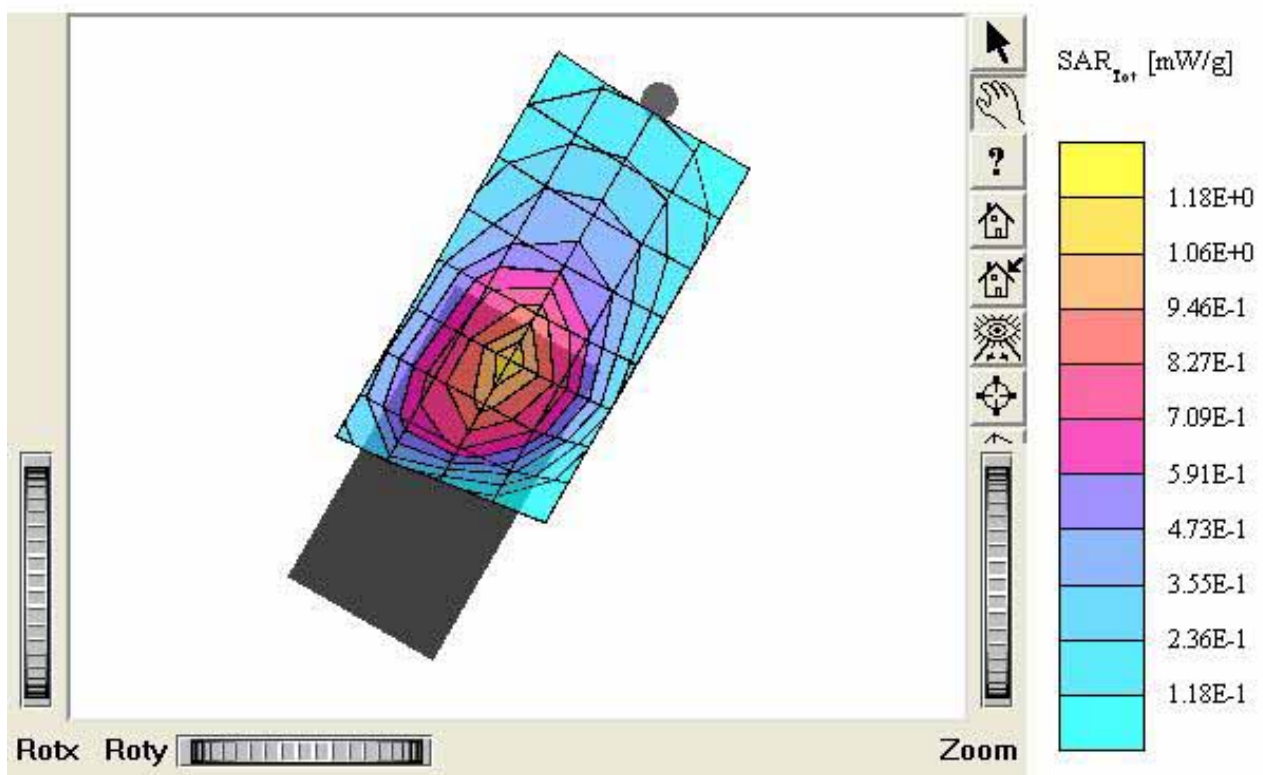
Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Left Hand (CRP) Section; Position: (90°,180°); Frequency: 835MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 8.0; Brain 835 MHz: $\sigma = 0.89$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.01 mW/g, SAR (10g): 0.678 mW/g

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

Powerdrift: -0.16 dB

Comment :

MODEL : INNO-A21

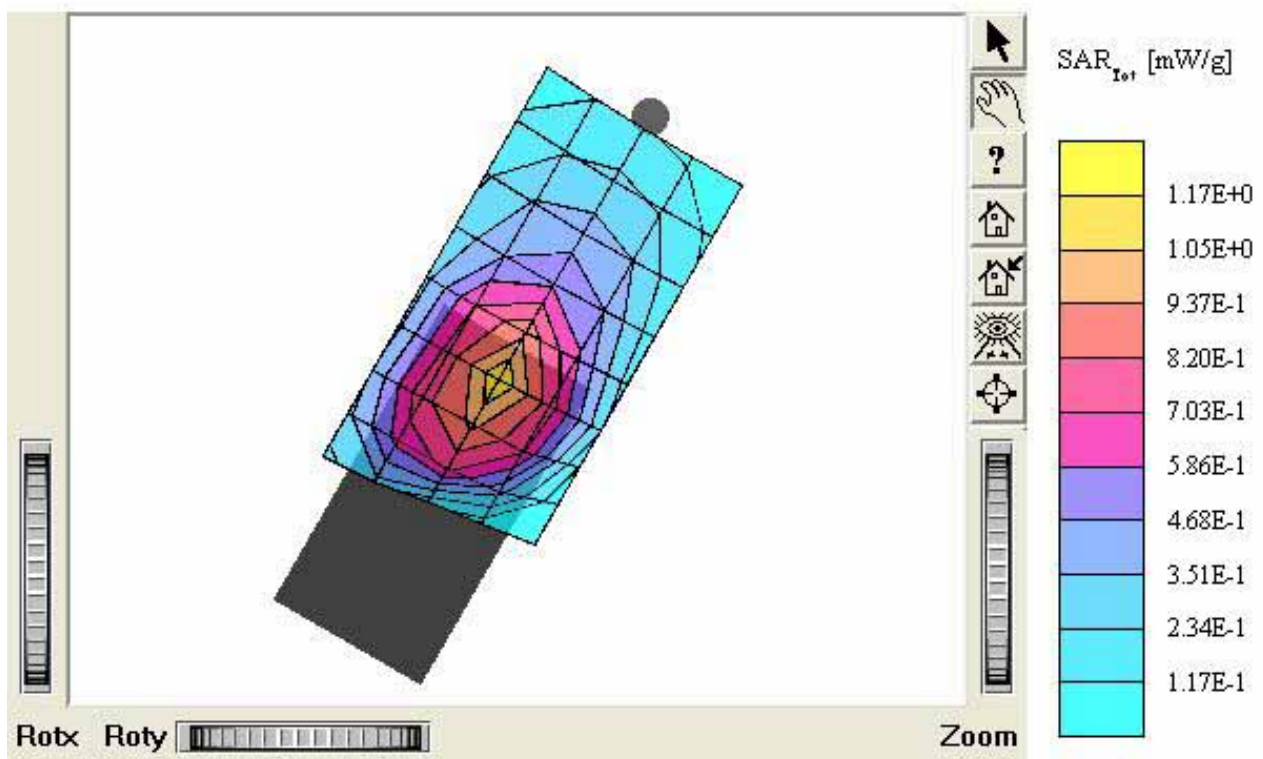
Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM850 / Channel : 251

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Right Hand (CRP) Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 8.0; Brain 835MHz: $\sigma = 0.89$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR(1g): 0.840 mW/g, SAR(10g): 0.552 mW/g

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

Powerdrift: -0.05 dB

Comment :

MODEL : INNO-A21

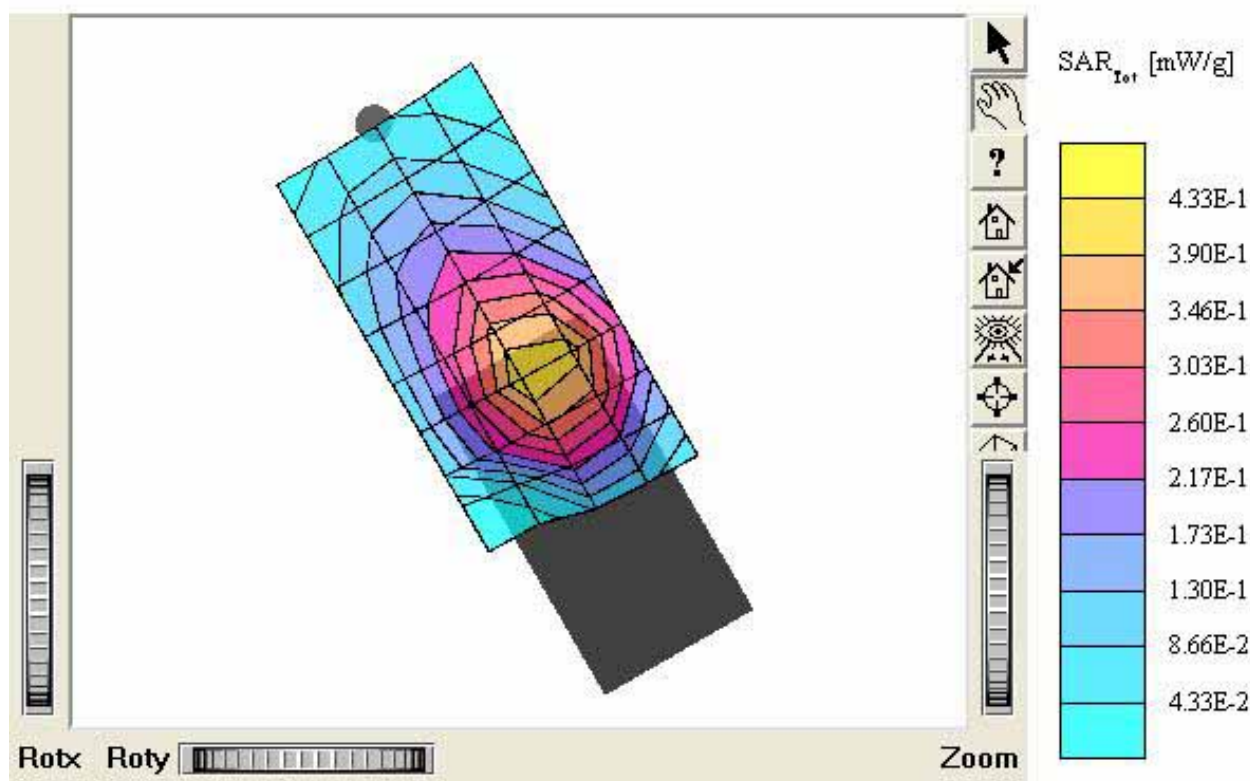
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM850 / Channel : 128

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Right Hand (CRP) Section; Position: (90°,180°); 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 $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.938 mW/g, SAR (10g): 0.637 mW/g

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

Powerdrift: -0.02 dB

Comment :

MODEL : INNO-A21

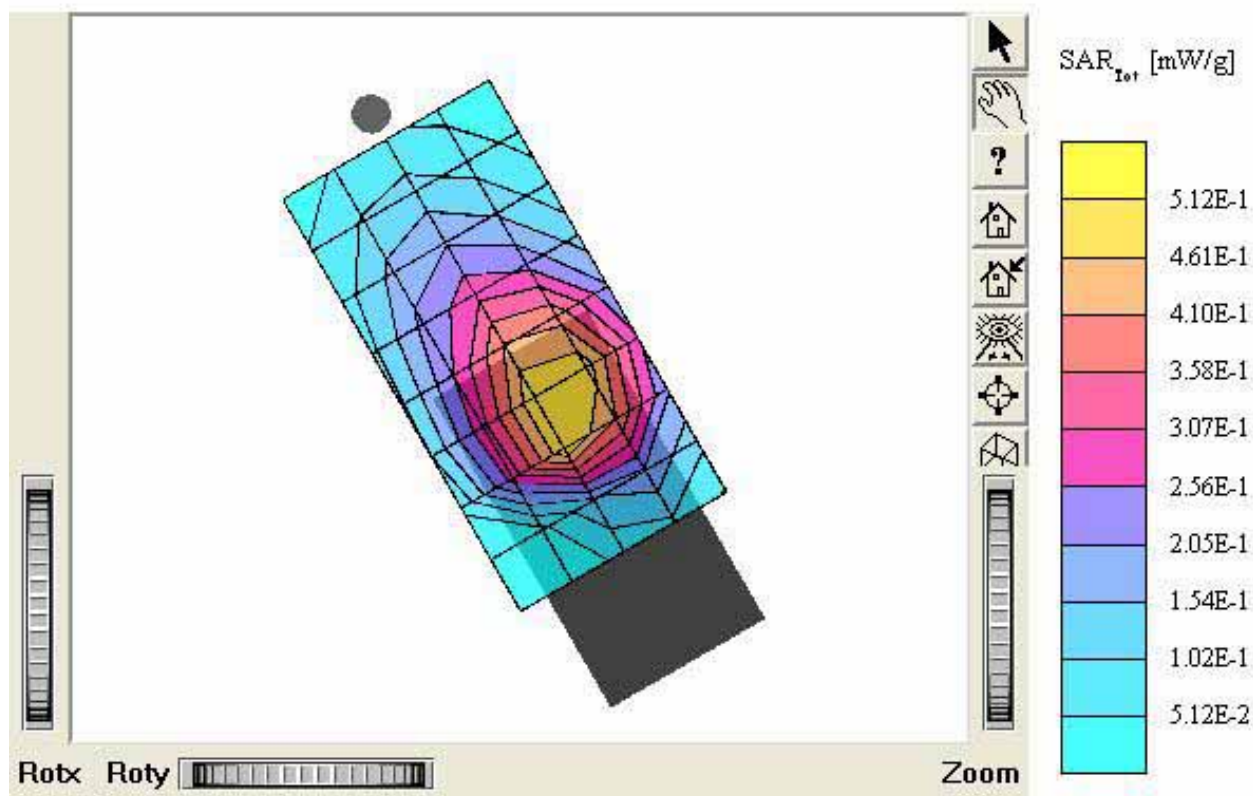
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Right Hand (CRP) Section; Position: (90°,180°); 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 $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.921 mW/g, SAR (10g): 0.602 mW/g

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

Powerdrift: 0.03 dB

Comment :

MODEL : INNO-A21

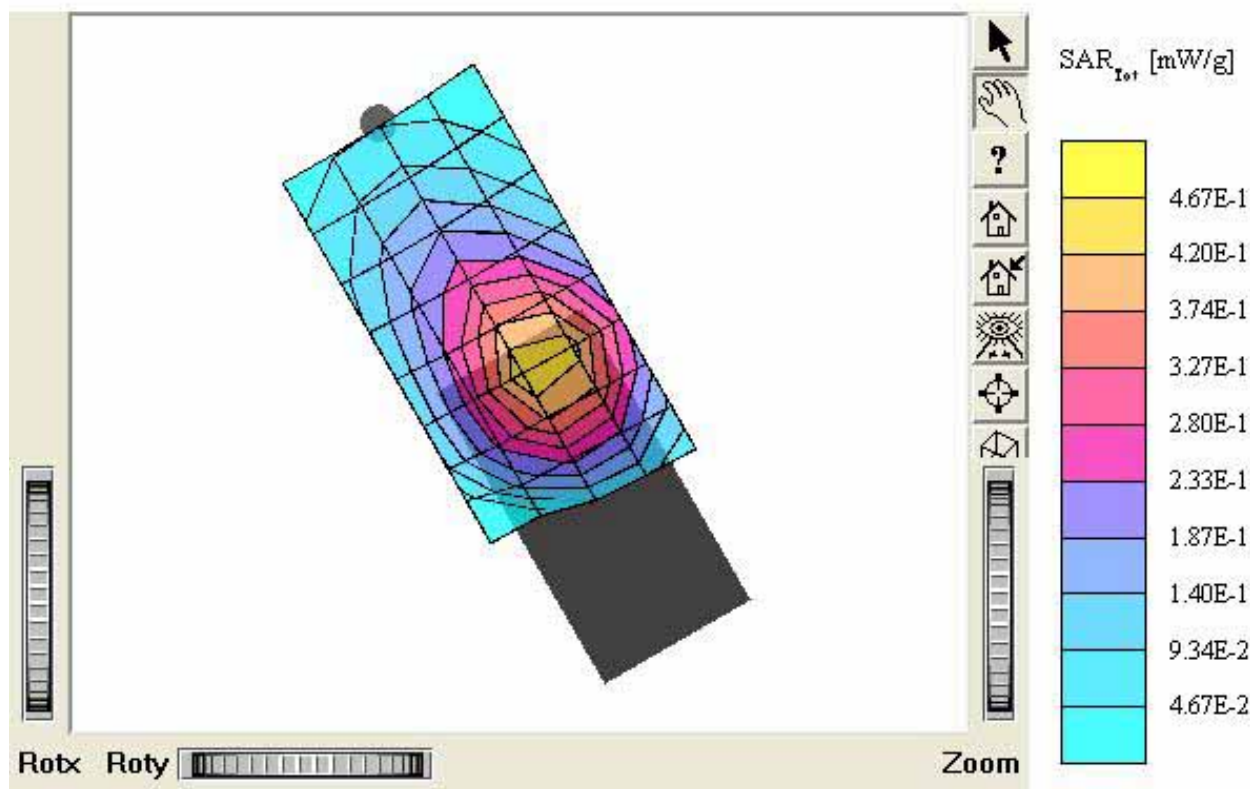
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM850 / Channel : 251

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Left Hand (CRP) Section; Position: (90°,180°); 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 $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.261 mW/g, SAR (10g): 0.195 mW/g

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

Powerdrift: -0.00 dB

Comment :

MODEL : INNO-A21

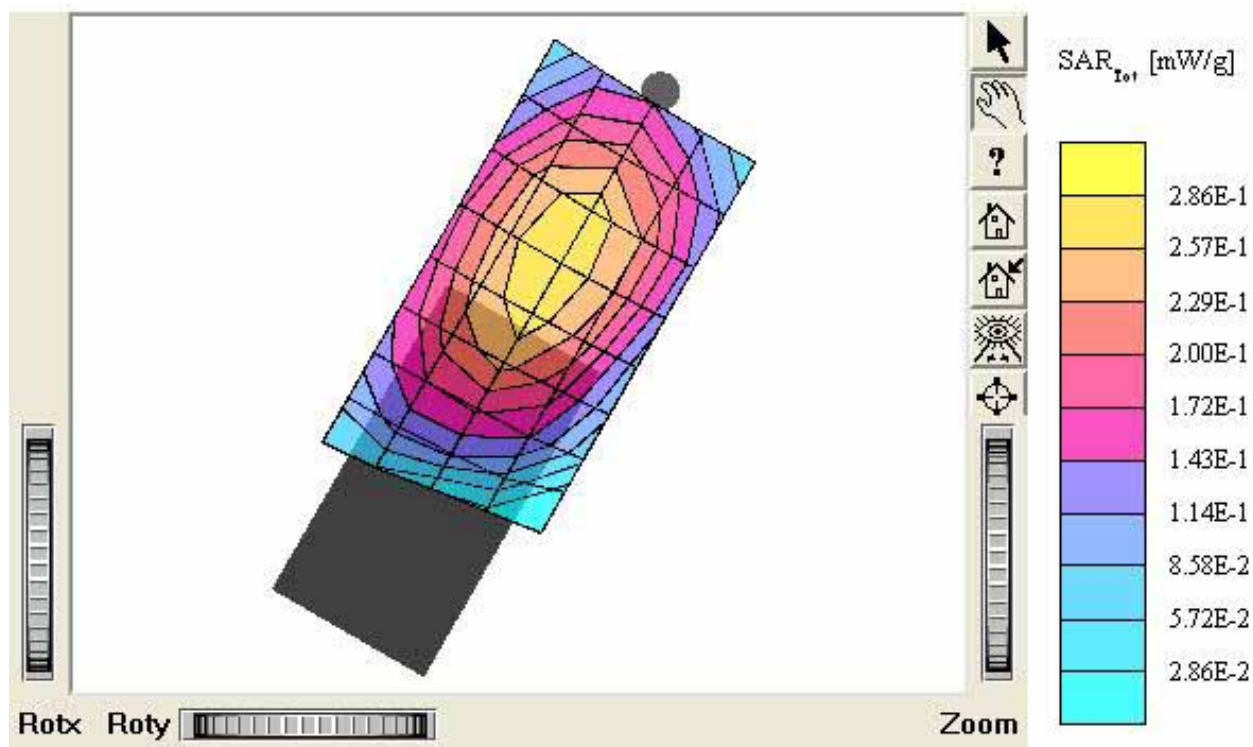
Company : Innostream Inc.

Test Position: Left Tilt / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM I Phantom; Right Hand (CRP) Section; Position: (90°,180°); Frequency: 835 MHz

Probe: ET3DV6 - SN1609; ConvF(6.63,6.63,6.63); Crest factor: 8.0; Brain 835MHz: $\sigma = 0.89$ mho/m $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.274 mW/g, SAR (10g): 0.202 mW/g

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

Powerdrift: -0.06 dB

Comment :

MODEL : INNO-A21

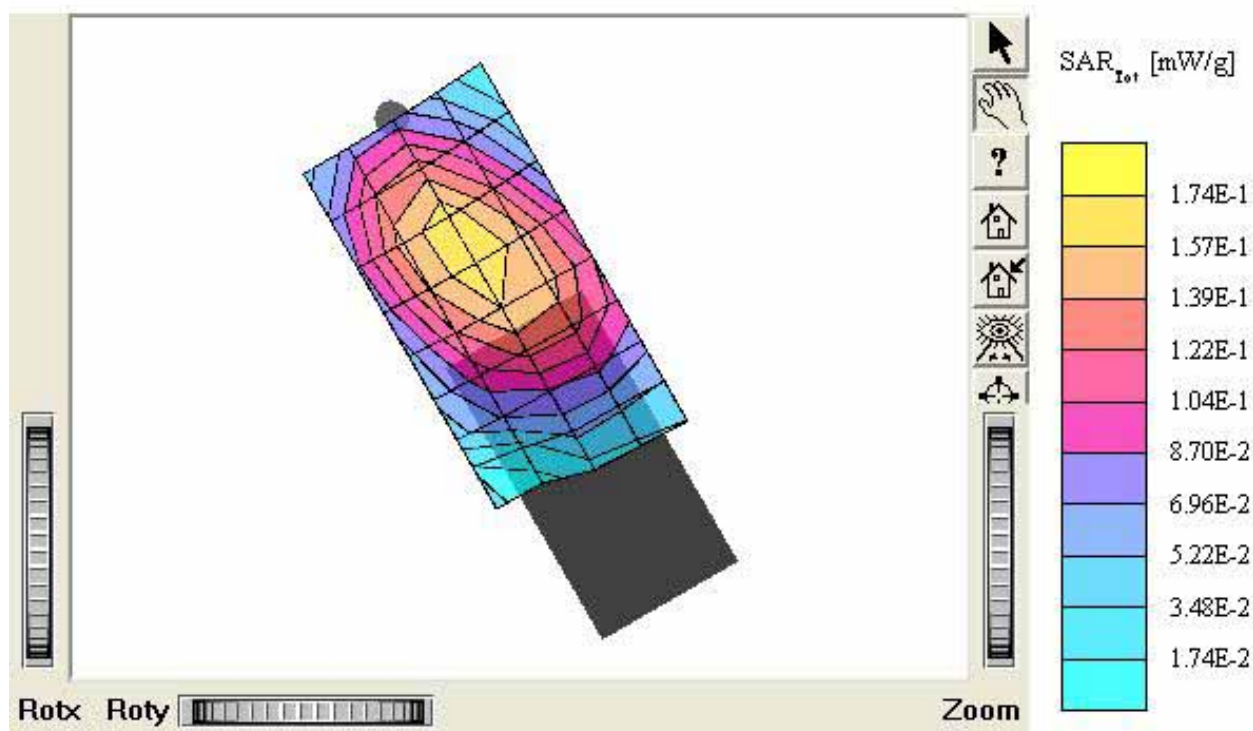
Company : Innostream Inc.

Test Position: Right Tilt / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

SAM II Phantom, Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.799 mW/g, SAR (10g): 0.478 mW/g

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

Powerdrift: -0.03 dB

Comment :

MODEL : INNO-A21

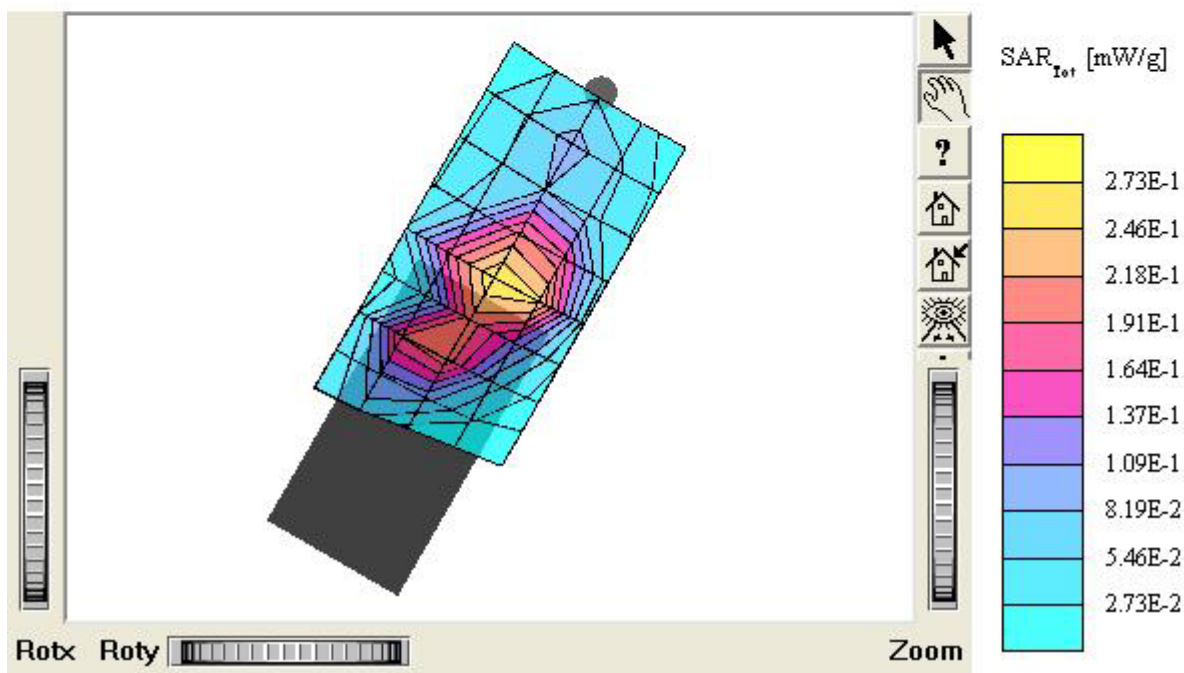
Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.08 mW/g, SAR (10g): 0.599 mW/g

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

Powerdrift: -0.05 dB

Comment :

MODEL : INNO-A21

Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$, $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.947 mW/g, SAR (10g): 0.516 mW/g

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

Powerdrift: -0.01 dB

Comment :

MODEL : INNO-A21

Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 810

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

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

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 1.17 mW/g, SAR(10g): 0.623 mW/g

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

Powerdrift: 0.05 dB

Comment :

MODEL : INNO-A21

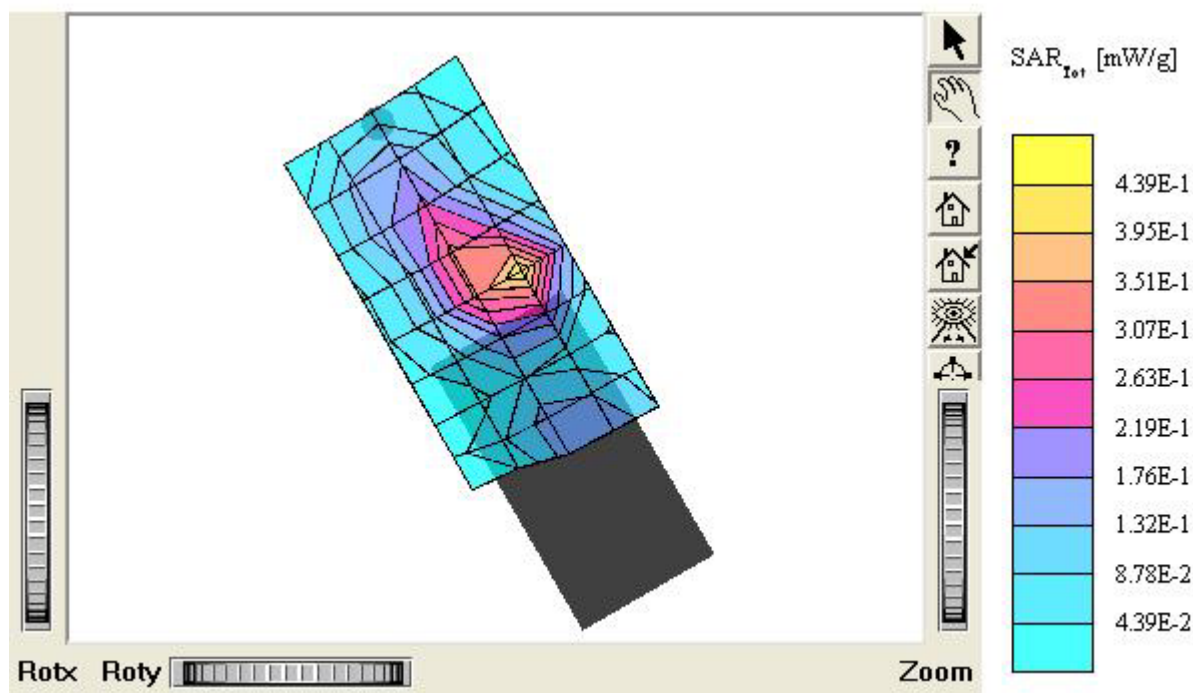
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

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

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9 \rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 1.27 mW/g, SAR(10g): 0.684 mW/g

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

Powerdrift: 0.00 dB

Comment :

MODEL : INNO-A21

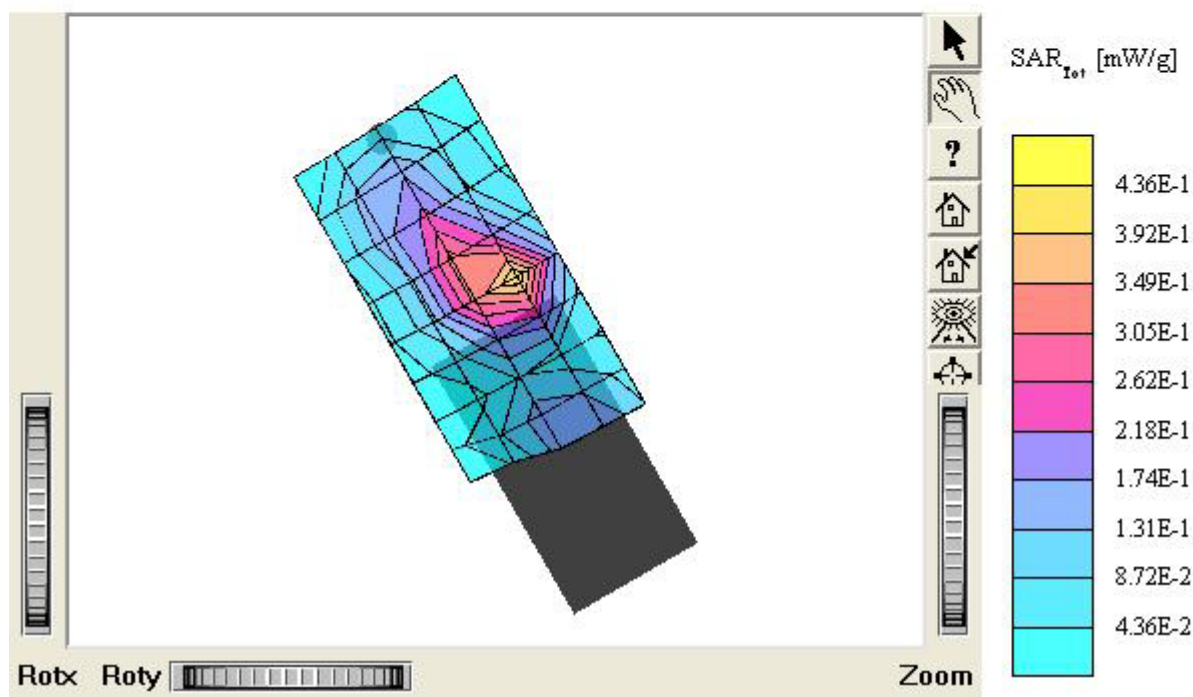
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

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

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$, $\epsilon_r = 39.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.05 mW/g, SAR (10g): 0.553 mW/g

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

Powerdrift: -0.01 dB

Comment :

MODEL : INNO-A21

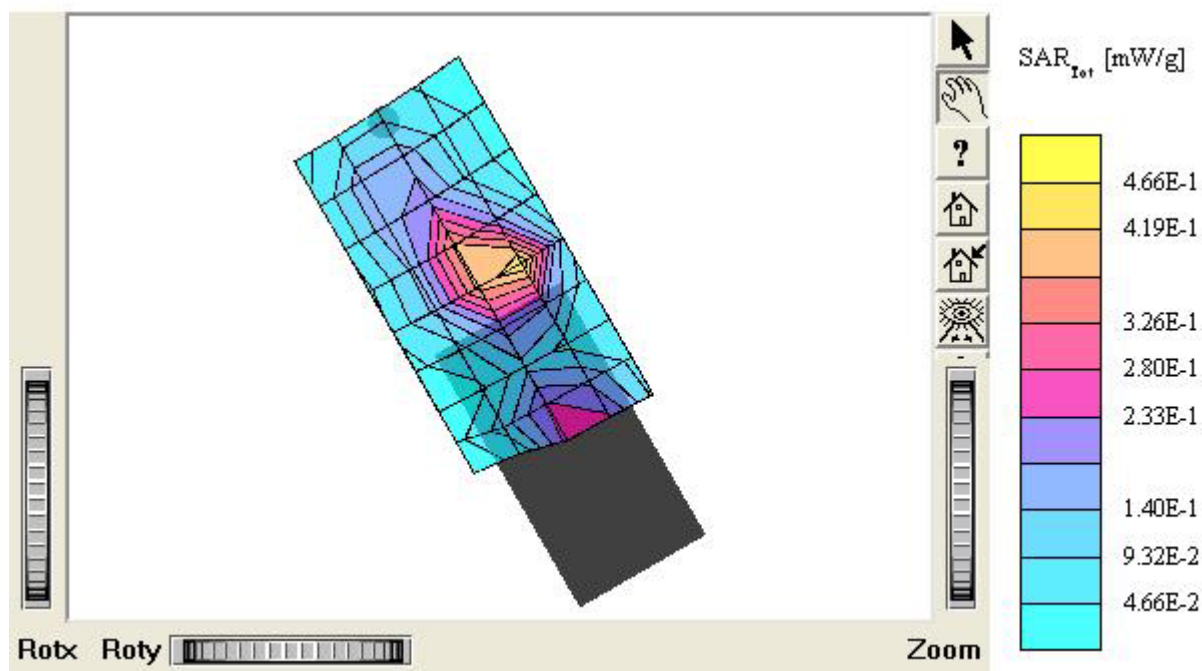
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 810

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

SAM II Phantom; Left Hand [CRP] Section; Position: (90°,180°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.539 mW/g, SAR (10g): 0.318 mW/g

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

Powerdrift: -0.02 dB

Comment :

MODEL : INNO-A21

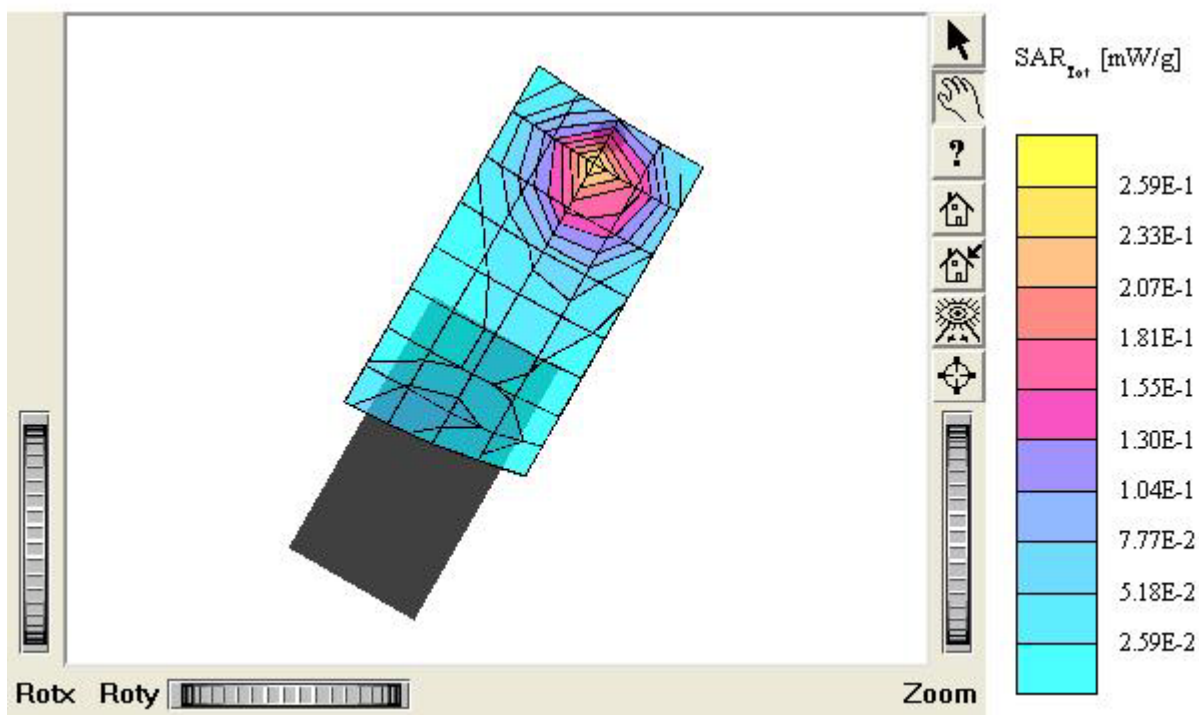
Company : Innostream Inc.

Test Position: Left Tilt / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

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

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.420 mW/g, SAR (10g): 0.258 mW/g

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

Powerdrift: 0.01 dB

Comment :

MODEL : INNO-A21

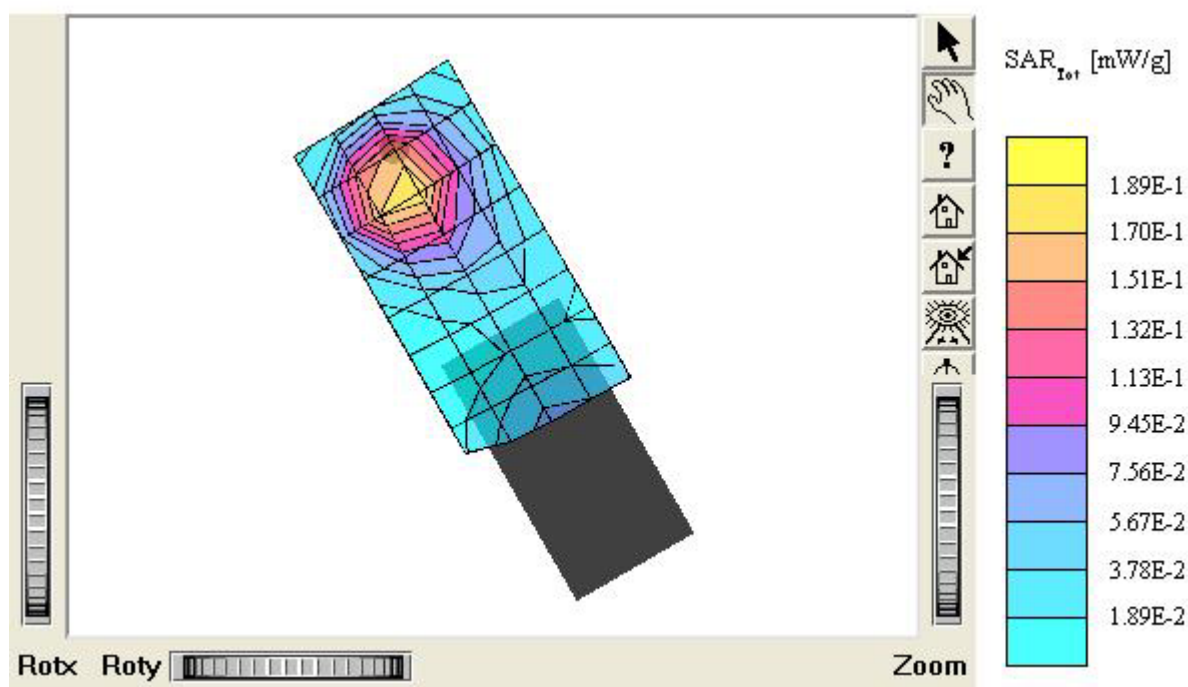
Company : Innostream Inc.

Test Position: Right Tilt / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21 (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 $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.562 mW/g, SAR (10g): 0.382 mW/g

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

Powerdrift: -0.15 dB

Comment :

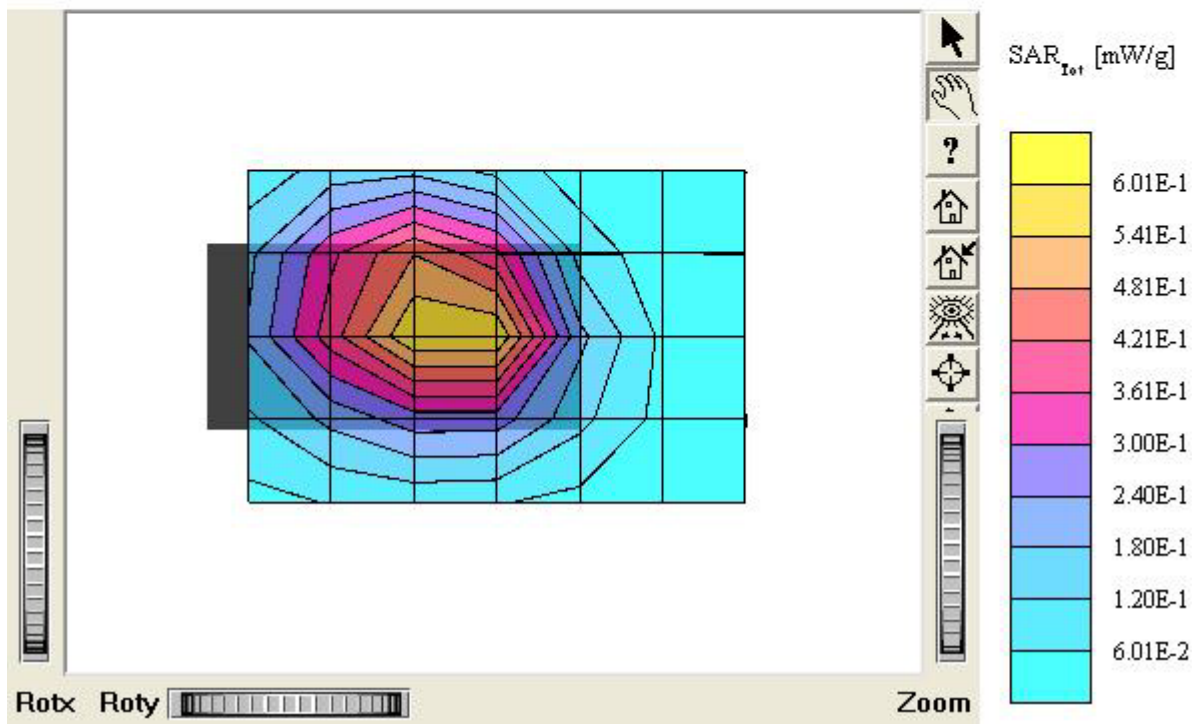
MODEL : INNO-A21

Company : Innostream Inc.

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21 (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 $\epsilon_r = 54.1$ $\rho =$ 1.00 g/cm³

Cube 5x5x7: SAR (1g): 0.171 mW/g, SAR (10g): 0.120 mW/g

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

Powerdrift: -0.20 dB

Comment :

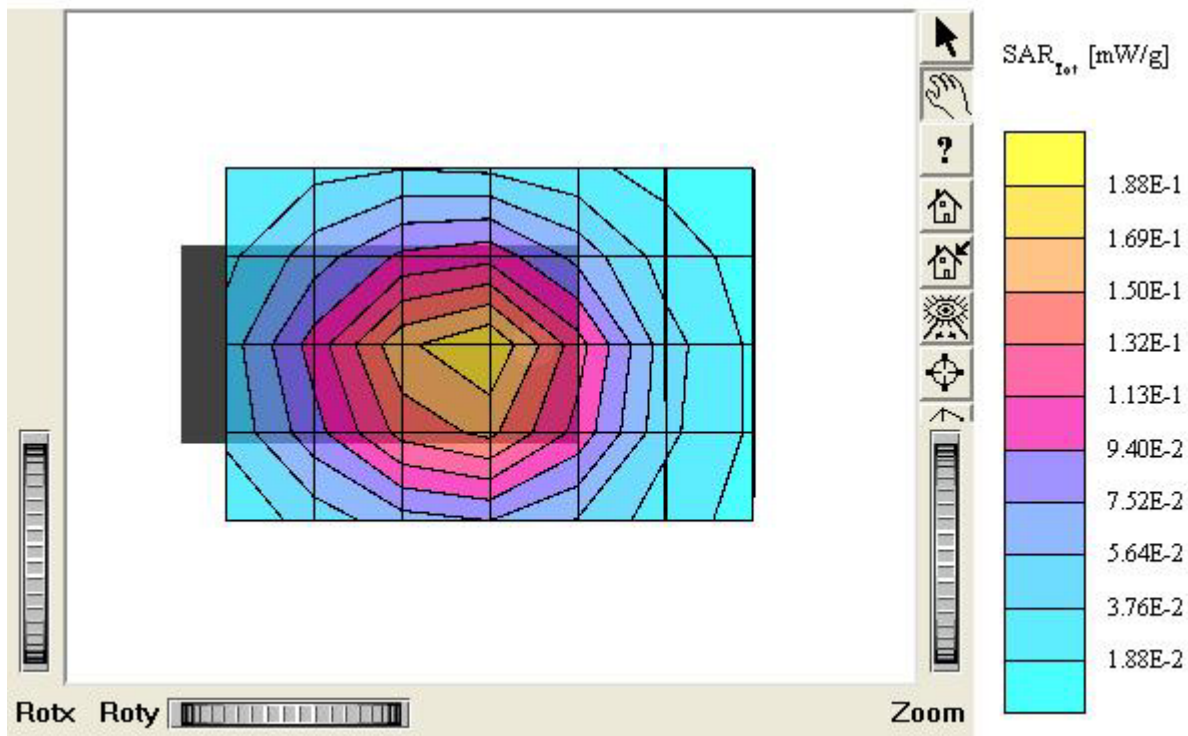
MODEL : INNO-A21(GPRS)

Company : Innostream Inc.

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21 (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: $\sigma = 1.50 \text{ mho/m}$ $\epsilon_r = 52.9$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.245 mW/g, SAR (10g): 0.145 mW/g

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

Powerdrift: -0.01 dB

Comment :

MODEL : INNO-A21

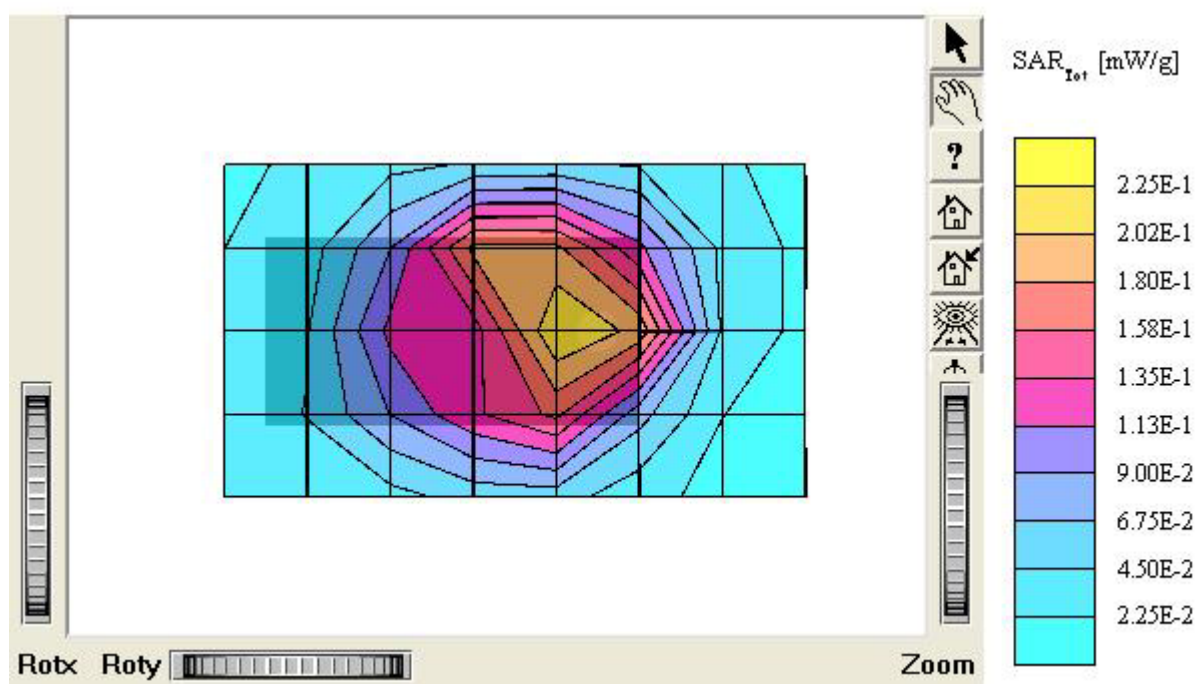
Company : Innostream Inc.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21 (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: $\sigma = 1.50 \text{ mho/m}$, $\epsilon_r = 52.9$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.110 mW/g, SAR (10g): 0.0642 mW/g

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

Powerdrift: 0.09 dB

Comment :

MODEL : INNO-A21(GPRS)

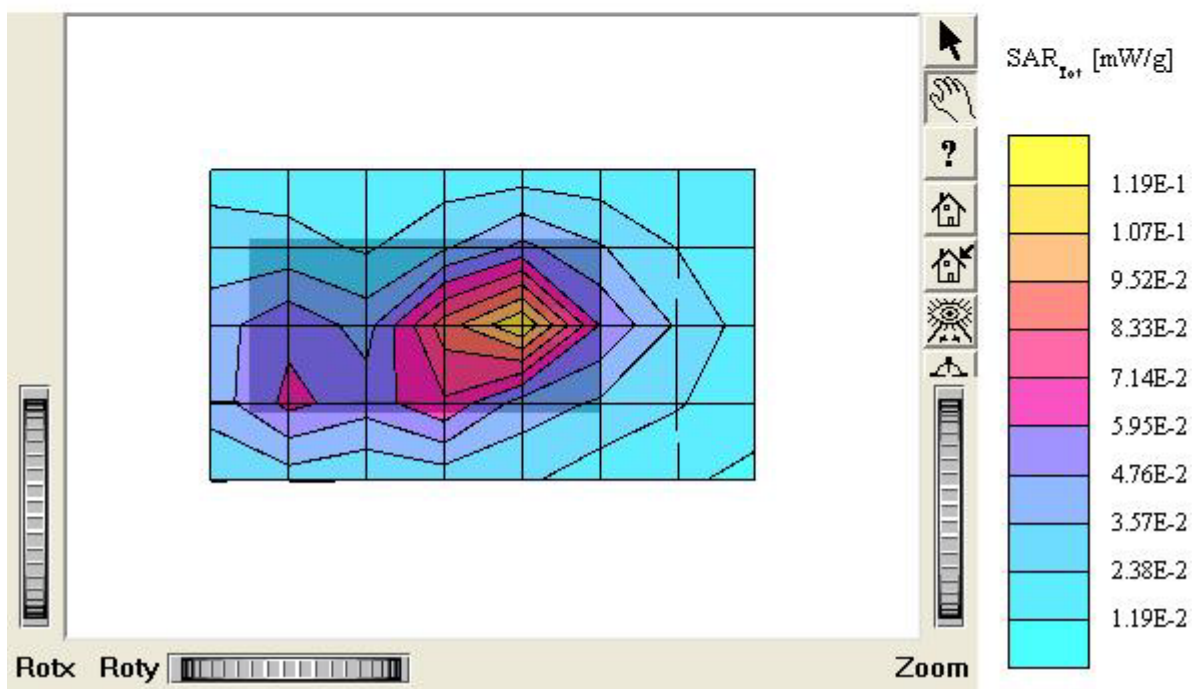
Company : Innostream Inc.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21

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 $\epsilon_r = 41.9$ $\rho = 1.00$ g/cm³

:

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

Comment :

MODEL : INNO-A21

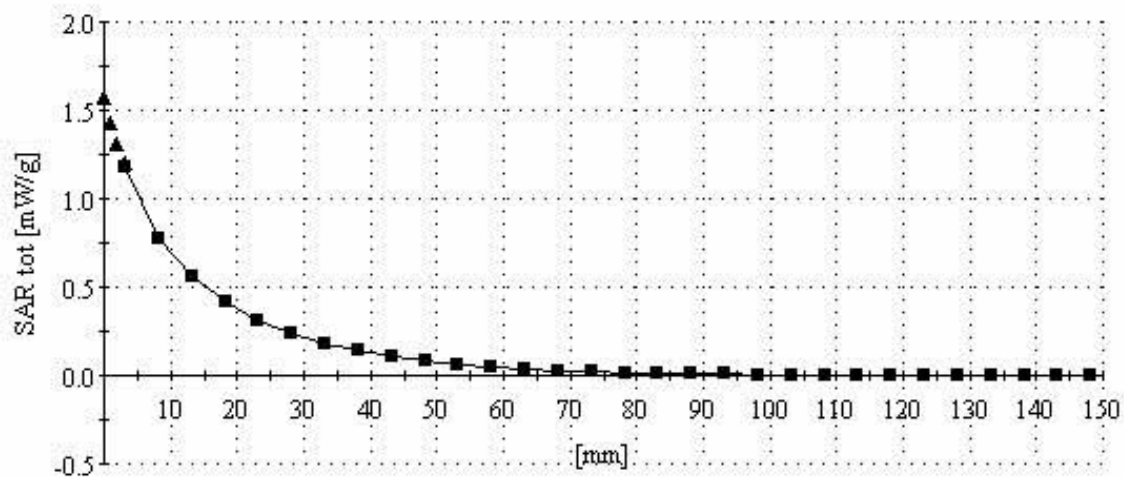
Company : Innostream Inc.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21

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

Probe: ET3DV6 - SN1609; ConvF(5.34,5.34,5.34); Crest factor: 8.0; Head 1900 MHz: $\sigma = 1.44 \text{ mho/m}$ $\epsilon_r = 39.9$ $\rho = 1.00 \text{ g/cm}^3$

:

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

Comment :

MODEL : INNO-A21

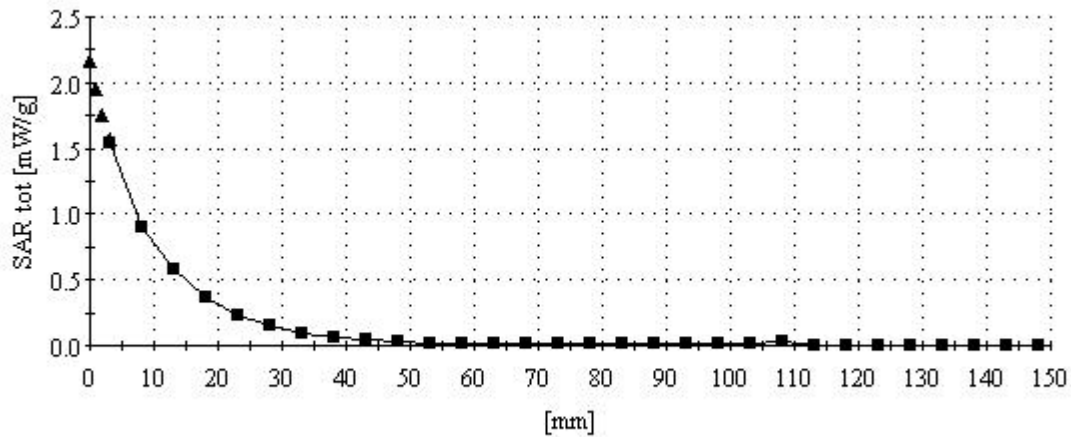
Company : Innostream Inc.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005



INNO-A21 (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 $\epsilon_r = 54.1$ $\rho = 1.00$ g/cm³

:

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

Comment :

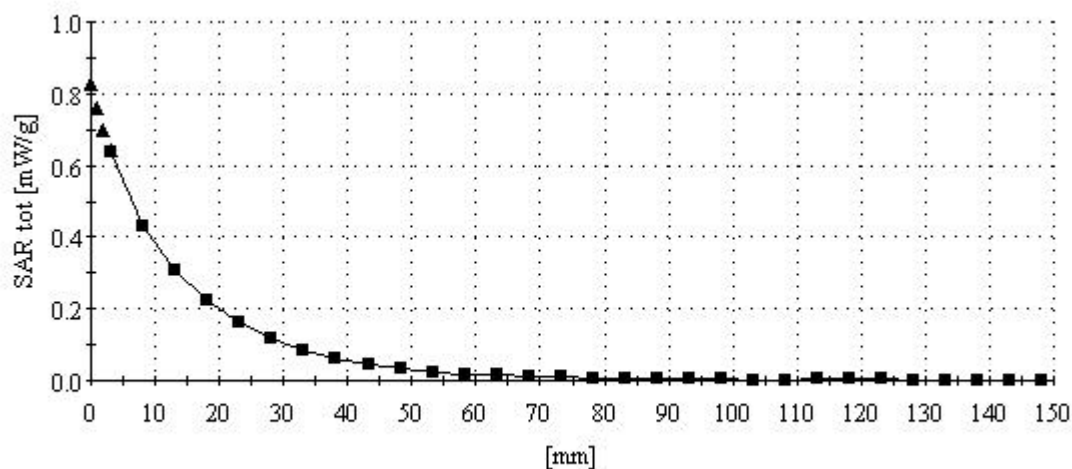
MODEL : INNO-A21

Company : Innostream Inc.

Mode: GSM850 / Channel : 190

Liquid Temperature: 21.7°C

Date Tested : August 18, 2005



INNO-A21 (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: $\sigma = 1.50 \text{ mho/m}$, $\epsilon_r = 52.9$, $\rho = 1.00 \text{ g/cm}^3$

:

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

Comment :

MODEL : INNO-A21

Company : Innostream Inc.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : August 19, 2005

