

ATTACHMENT O – SAR TEST PLOTS

EM201

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: $\sigma = 1.45$ mho/m $\epsilon_r = 38.6$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.409 mW/g, SAR (10g): 0.251 mW/g

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

Peak: 0.688 mW/g; Powerdrift: 0.02 dB

Comment :

MODEL : EM201

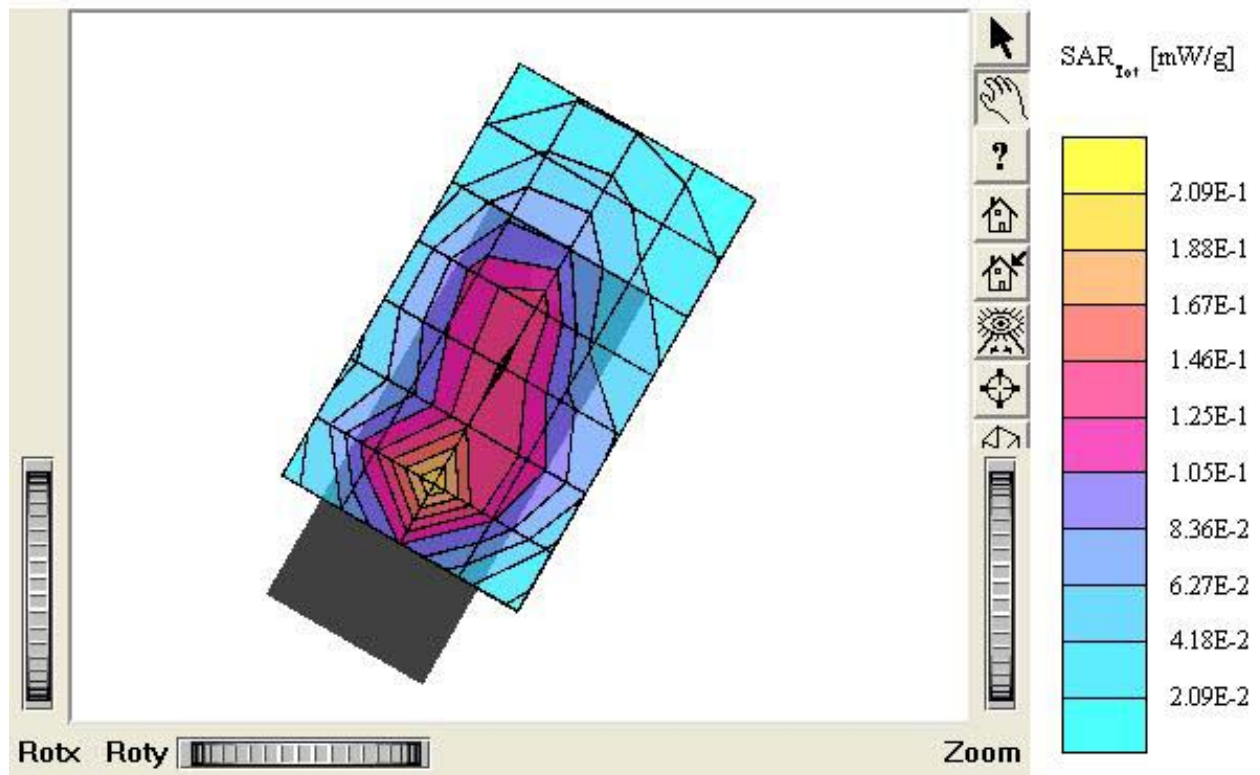
Company: Bellwave Co., Ltd.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$, $\epsilon_r = 38.6$
 $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.359 mW/g, SAR (10g): 0.216 mW/g

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

Peak: 0.590 mW/g; Powerdrift: 0.02 dB

Comment :

MODEL : EM201

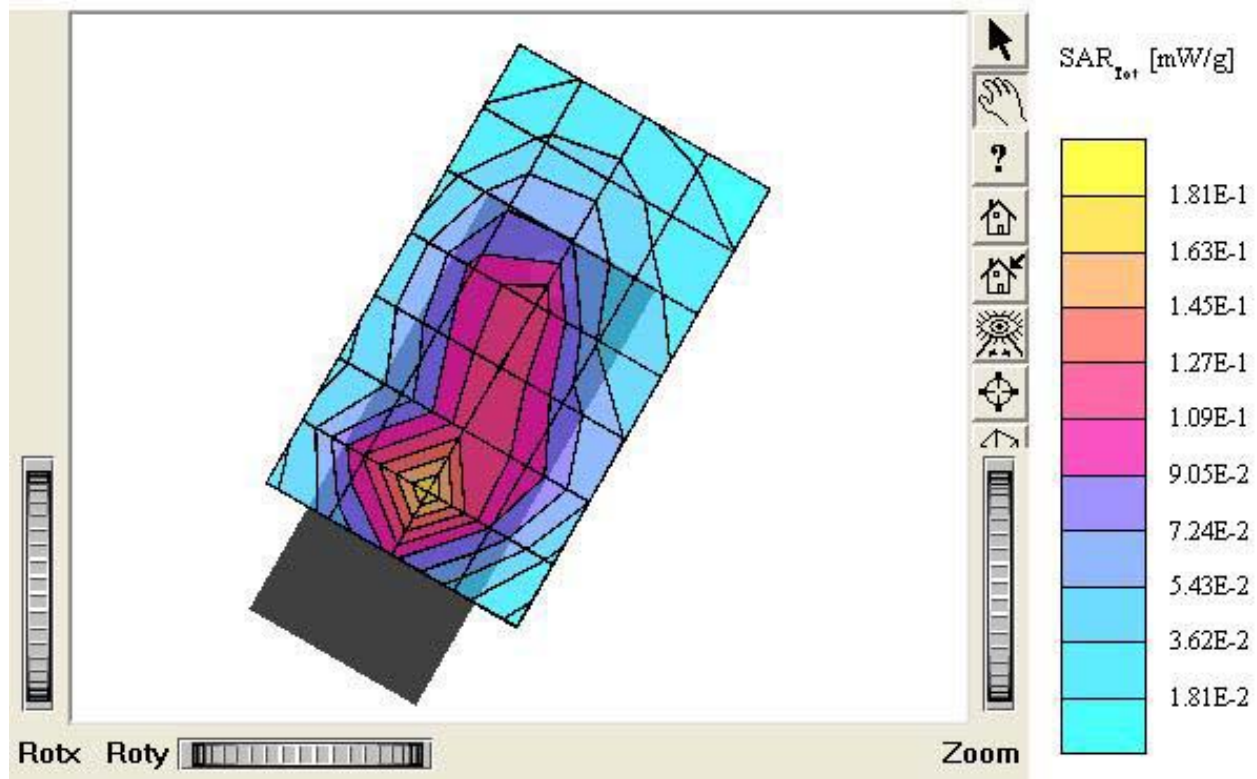
Company: Bellwave Co., Ltd.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$ $\epsilon_r = 38.6 \rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.353 mW/g, SAR (10g): 0.211 mW/g

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

Peak: 0.584 mW/g; Powerdrift: 0.06 dB

Comment :

MODEL : EM201

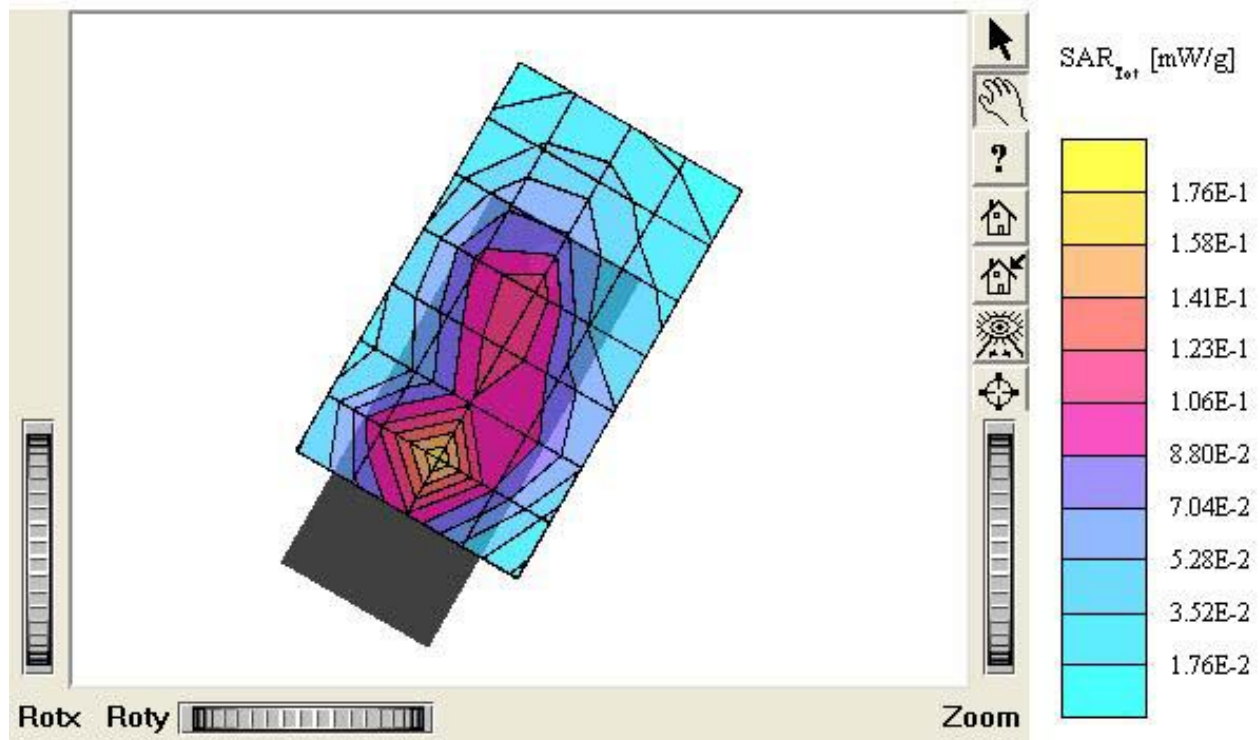
Company: Bellwave Co., Ltd.

Test Position: Left Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 810

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$ $\epsilon_r = 38.6$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.491 mW/g, SAR(10g): 0.270 mW/g

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

Peak: 0.887 mW/g; Powerdrift: -0.08 dB

Comment :

MODEL : EM201

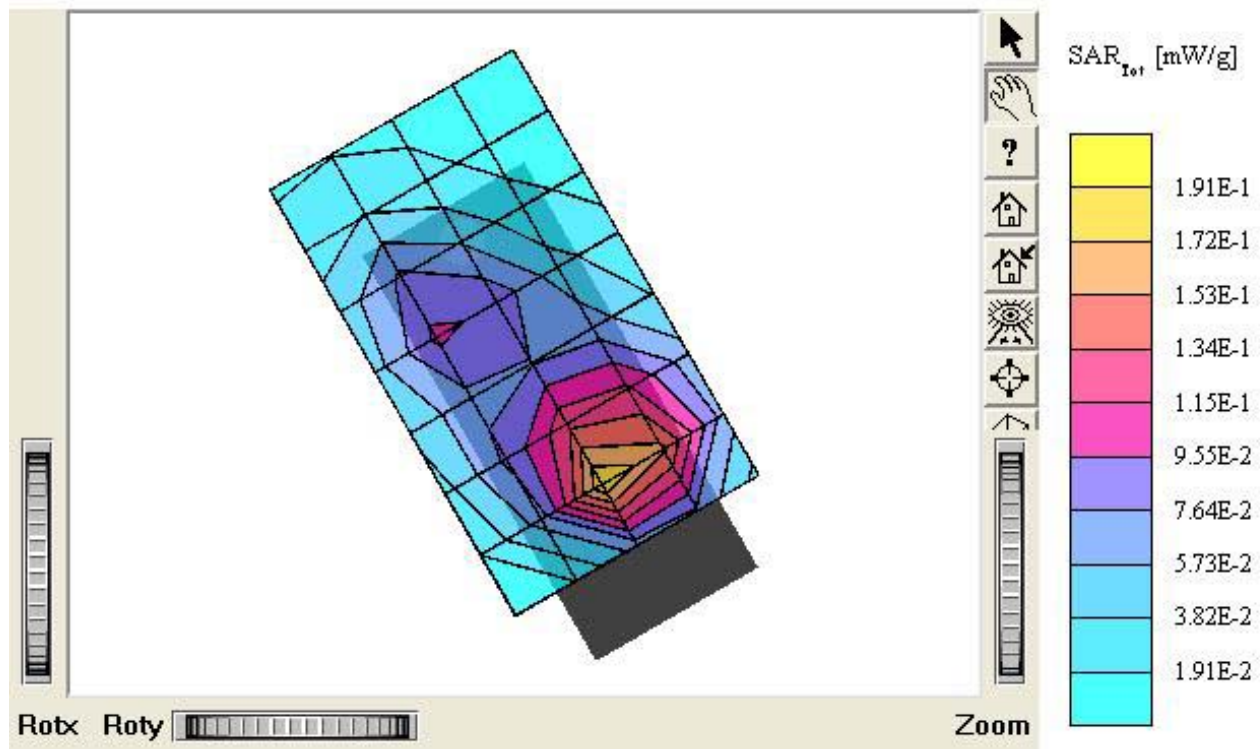
Company: Bellwave Co., Ltd.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$, $\epsilon_r = 38.6$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.405 mW/g, SAR(10g): 0.222 mW/g

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

Peak: 0.734 mW/g; Powerdrift: -0.12 dB

Comment :

MODEL : EM201

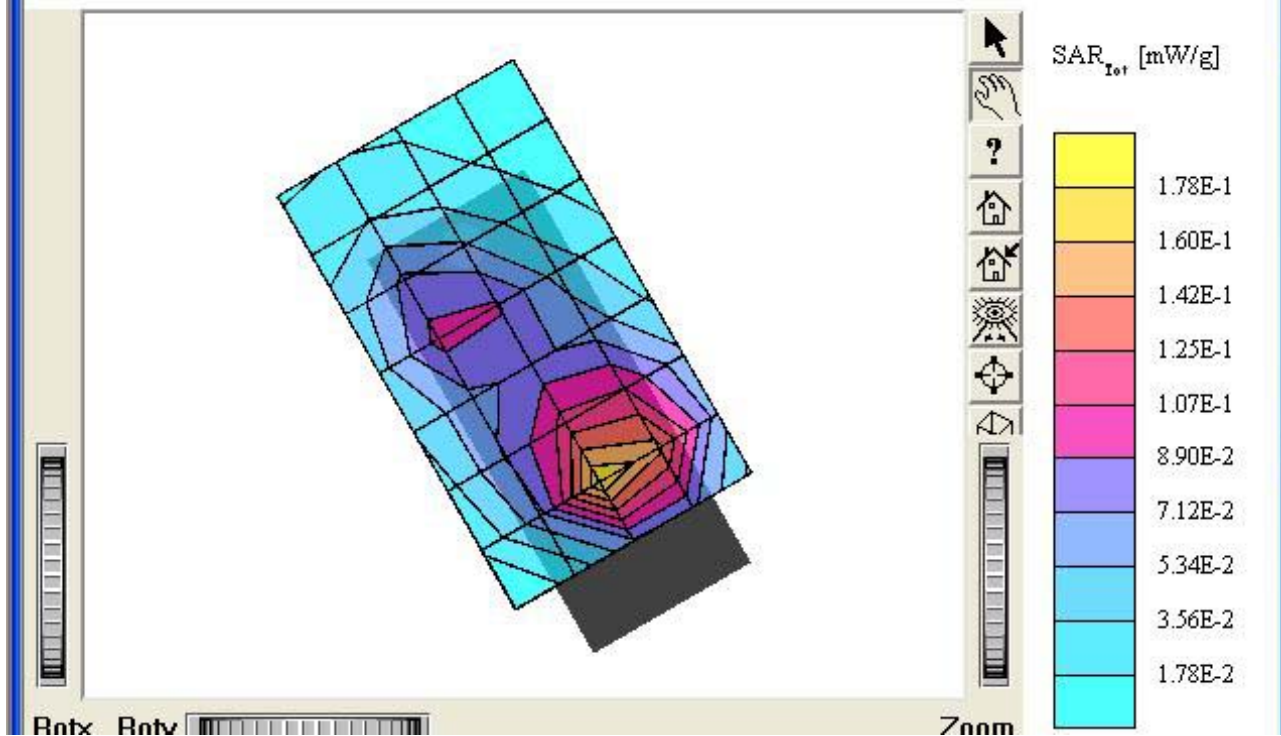
Company: Bellwave Co., Ltd.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$, $\epsilon_r = 38.6$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.390 mW/g, SAR(10g): 0.213 mW/g

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

Peak: 0.707 mW/g; Powerdrift: -0.04 dB

Comment :

MODEL : EM201

Company: Bellwave Co., Ltd.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 810

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$, $\epsilon_r = 38.6$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.315 mW/g, SAR(10g): 0.177 mW/g

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

Peak: 0.560 mW/g; Powerdrift: 0.06 dB

Comment :

MODEL : EM201

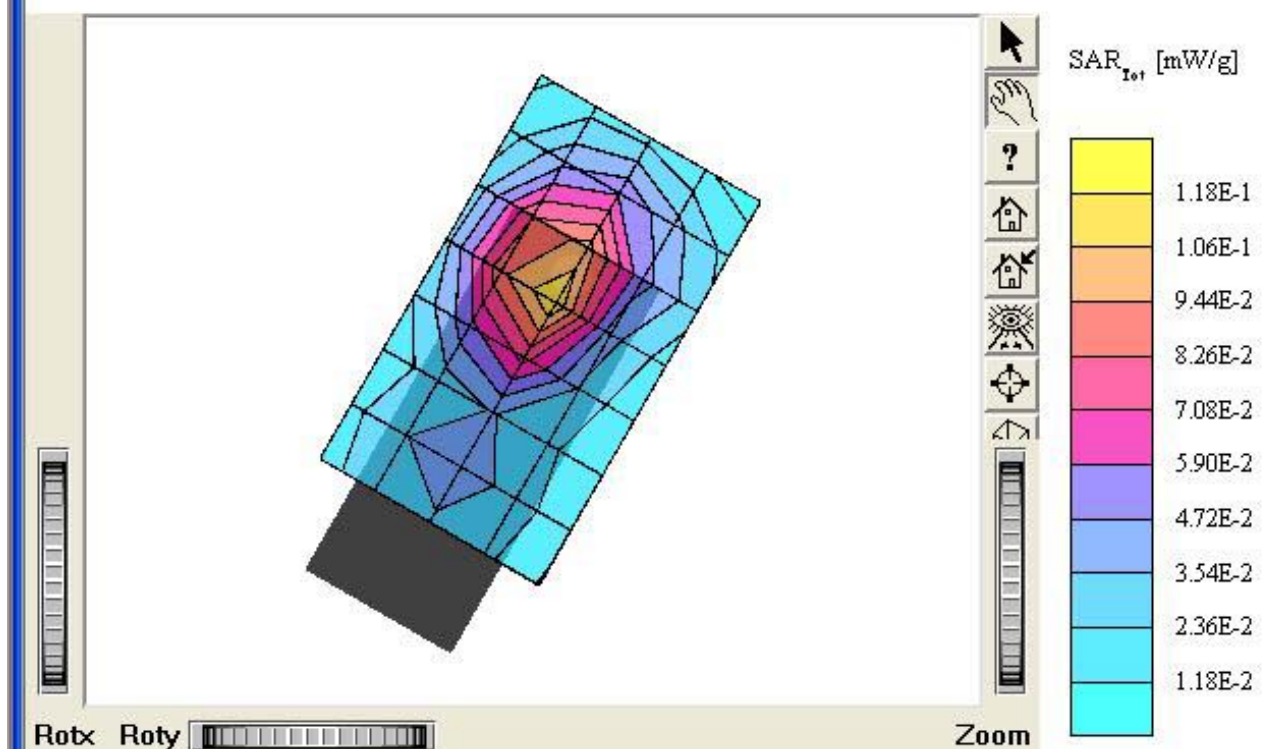
Company: Bellwave Co., Ltd.

Test Position: Left Tilt / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$, $\epsilon_r = 38.6$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.330 mW/g, SAR(10g): 0.183 mW/g

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

Peak: 0.587 mW/g; Powerdrift: -0.02 dB

Comment :

MODEL : EM201

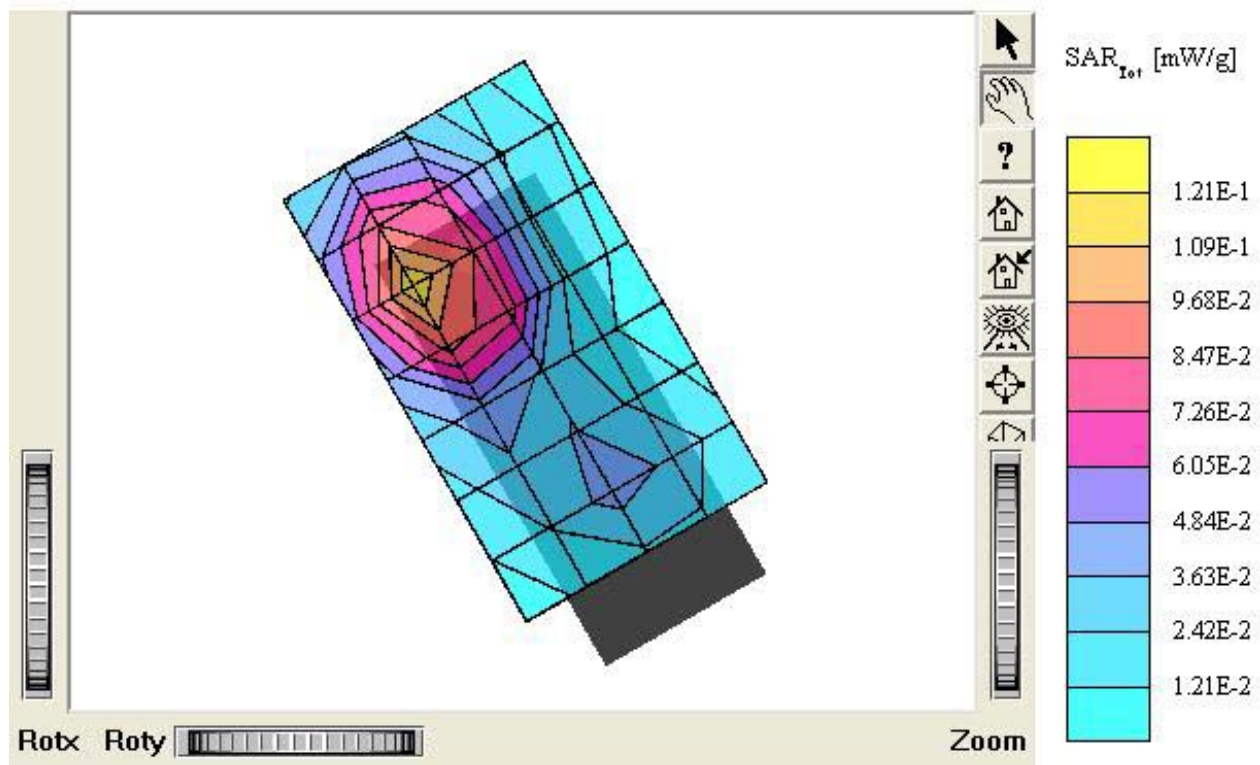
Company: Bellwave Co., Ltd.

Test Position: Right Tilt / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201 (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: $\sigma = 1.47$ mho/m $\epsilon_r = 50.8$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.405 mW/g, SAR (10g): 0.234 mW/g

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

Peak: 0.722 mW/g; Powerdrift: -0.04 dB

Comment :

MODEL : EM201

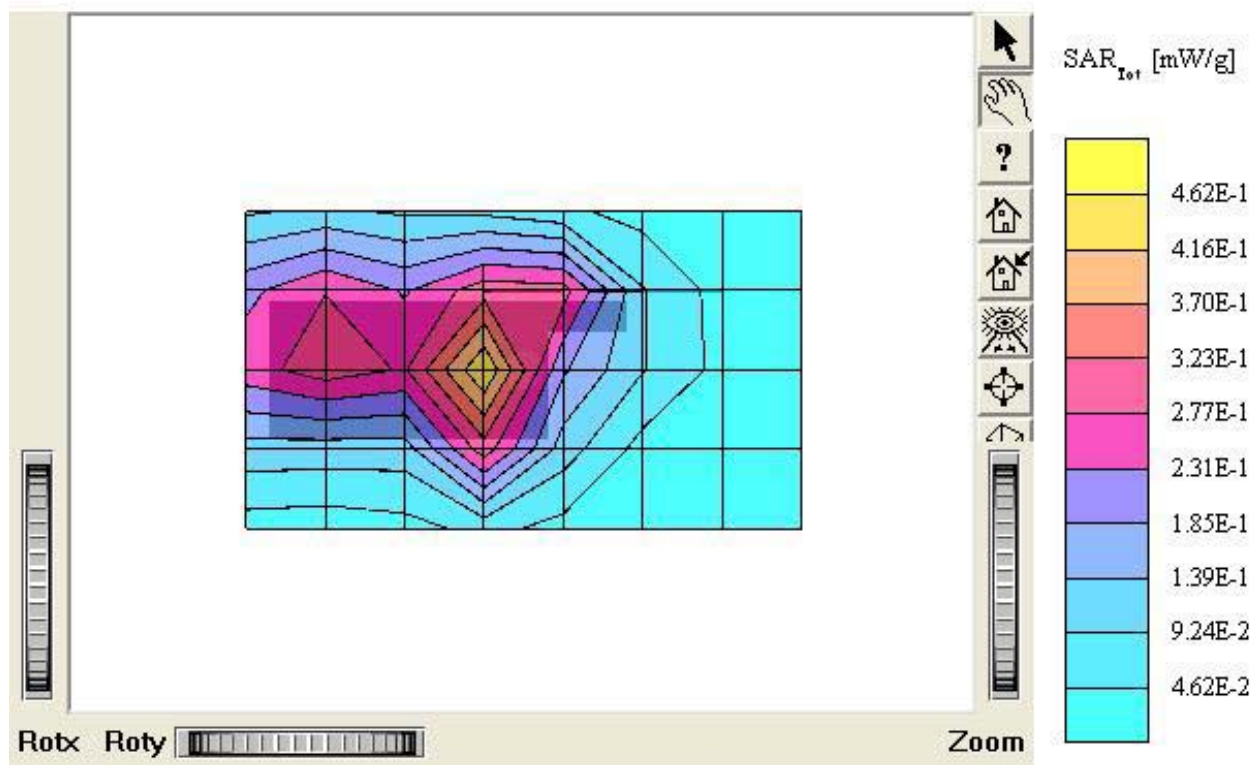
Company: Bellwave Co., Ltd.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201 (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: $\sigma = 1.47 \text{ mho/m}$ $\epsilon_r = 50.8$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.379 mW/g, SAR(10g): 0.221 mW/g

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

Peak: 0.684 mW/g; Powerdrift: 0.00 dB

Comment :

MODEL : EM201

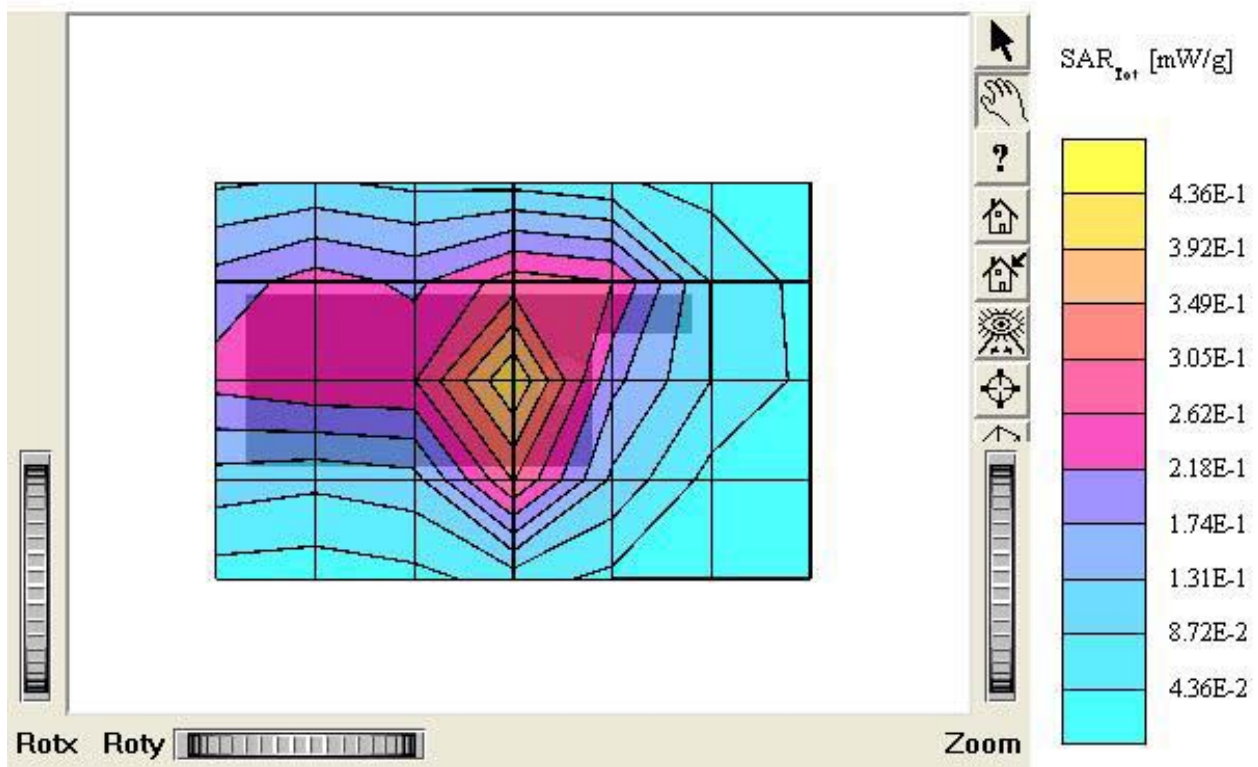
Company: Bellwave Co., Ltd.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201 (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: $\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 50.8$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 0.401 mW/g, SAR (10g): 0.233 mW/g

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

Peak: 0.722 mW/g; Powerdrift: -0.03 dB

Comment :

MODEL : EM201

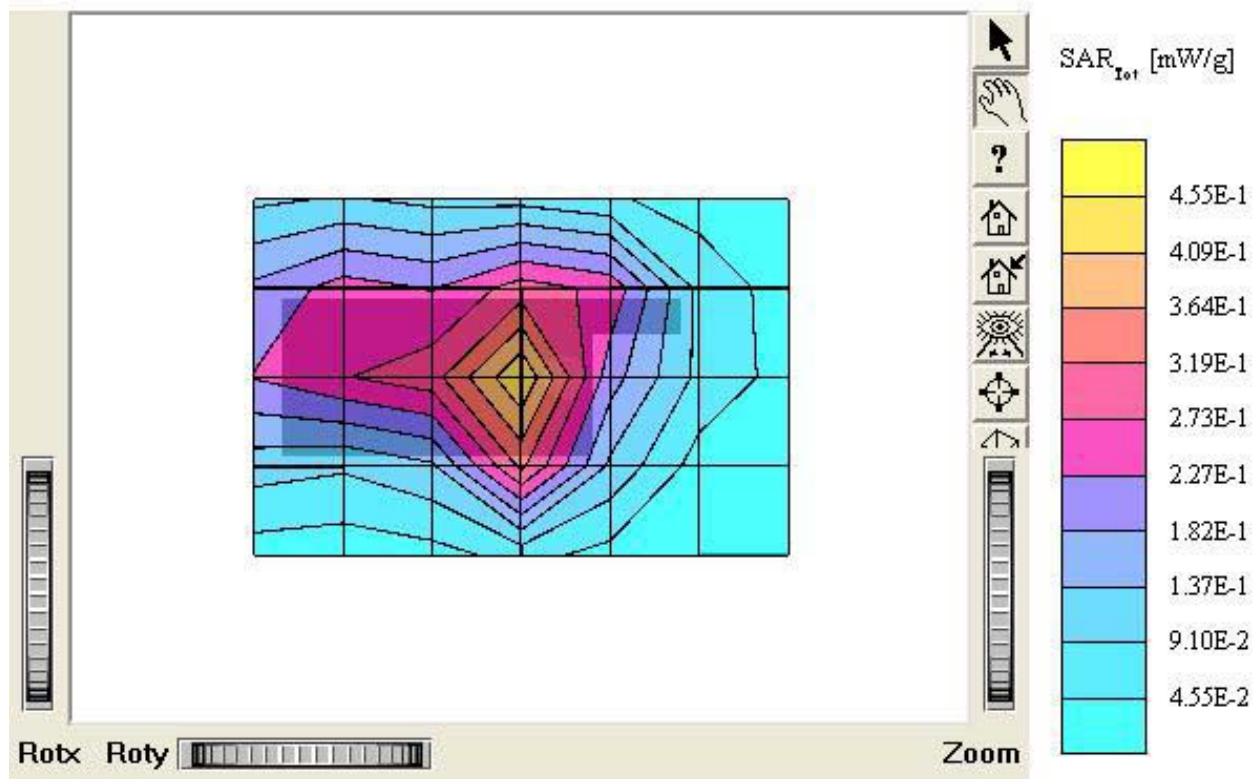
Company: Bellwave Co., Ltd.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 810

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201 (Body)

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

Probe: ET3DV6 - SN1609; ConvF(4.60,4.60,4.60); Crest factor: 4.0; Body 1900 MHz: $\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 50.8$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR(1g): 0.353 mW/g, SAR(10g): 0.211 mW/g

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

Powerdrift: -0.07 dB

Comment:

MODEL : EM201(GPRS)

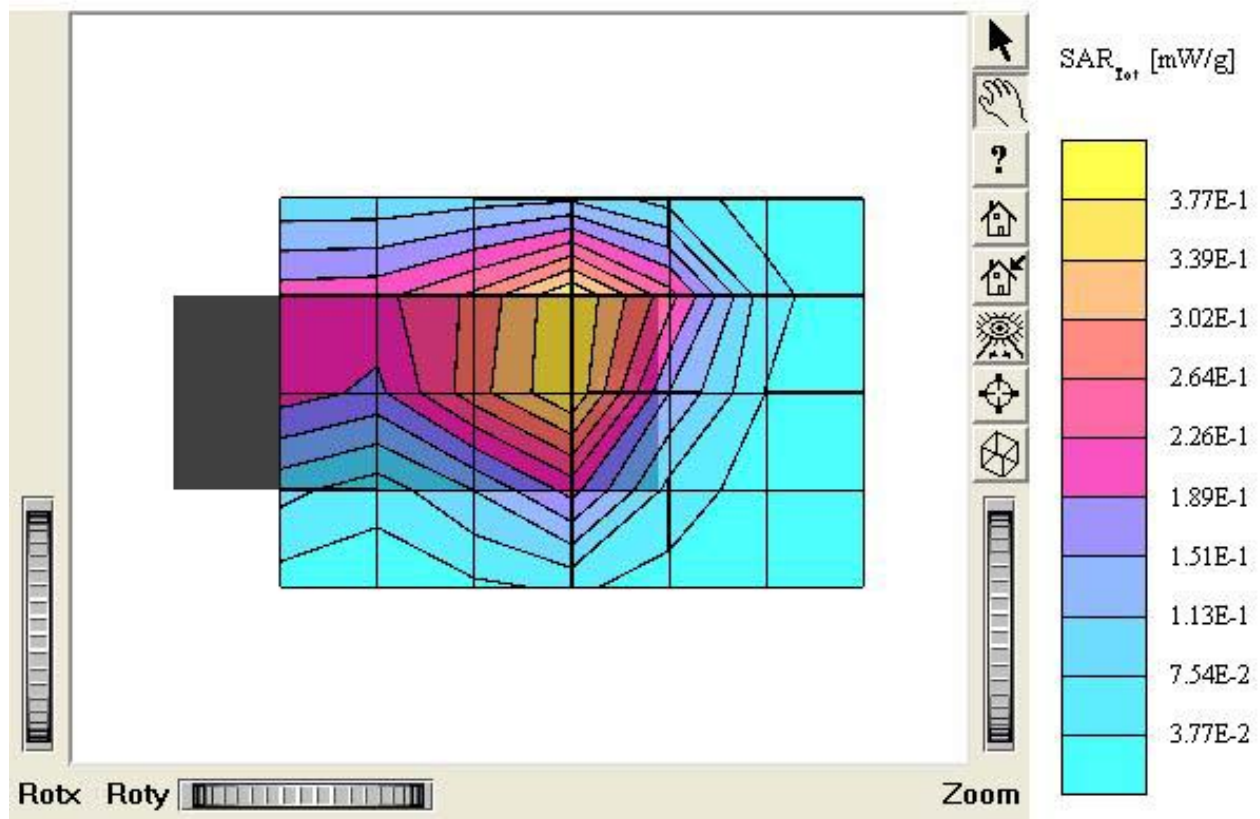
Company: Bellwave Co., Ltd.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 661

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201

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: $\sigma = 1.45 \text{ mho/m}$ $\epsilon_r = 38.6$ $\rho = 1.00 \text{ g/cm}^3$

:

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

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Comment :

MODEL : EM201

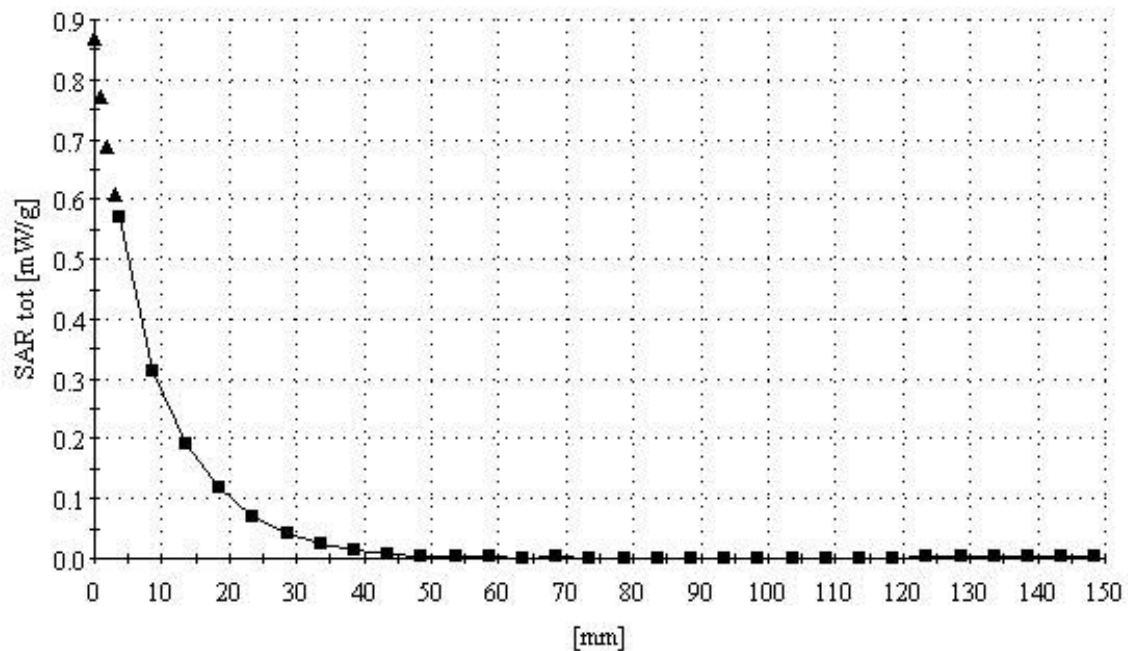
Company: Bellwave Co., Ltd.

Test Position: Right Touch / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

Date Tested : April 21, 2005



EM201 (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: $\sigma = 1.47$ mho/m $\epsilon_r = 50.8$ $\rho = 1.00$ g/cm³

:

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

:

Comment :

MODEL : EM201

Company: Bellwave Co., Ltd.

Test Position: Body / Antenna: Fixed

Mode: GSM1900 / Channel : 512

Liquid Temperature: 21.5°C

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