

APPENDIX A – SAR TEST PLOTS

d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV5 - SN1609; ConvP(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.85$ mho/m, $\epsilon_r = 45.2$, $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.48 mW/g, SAR (10g): 1.09 mW/g

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

Powerdrift: -1.26 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

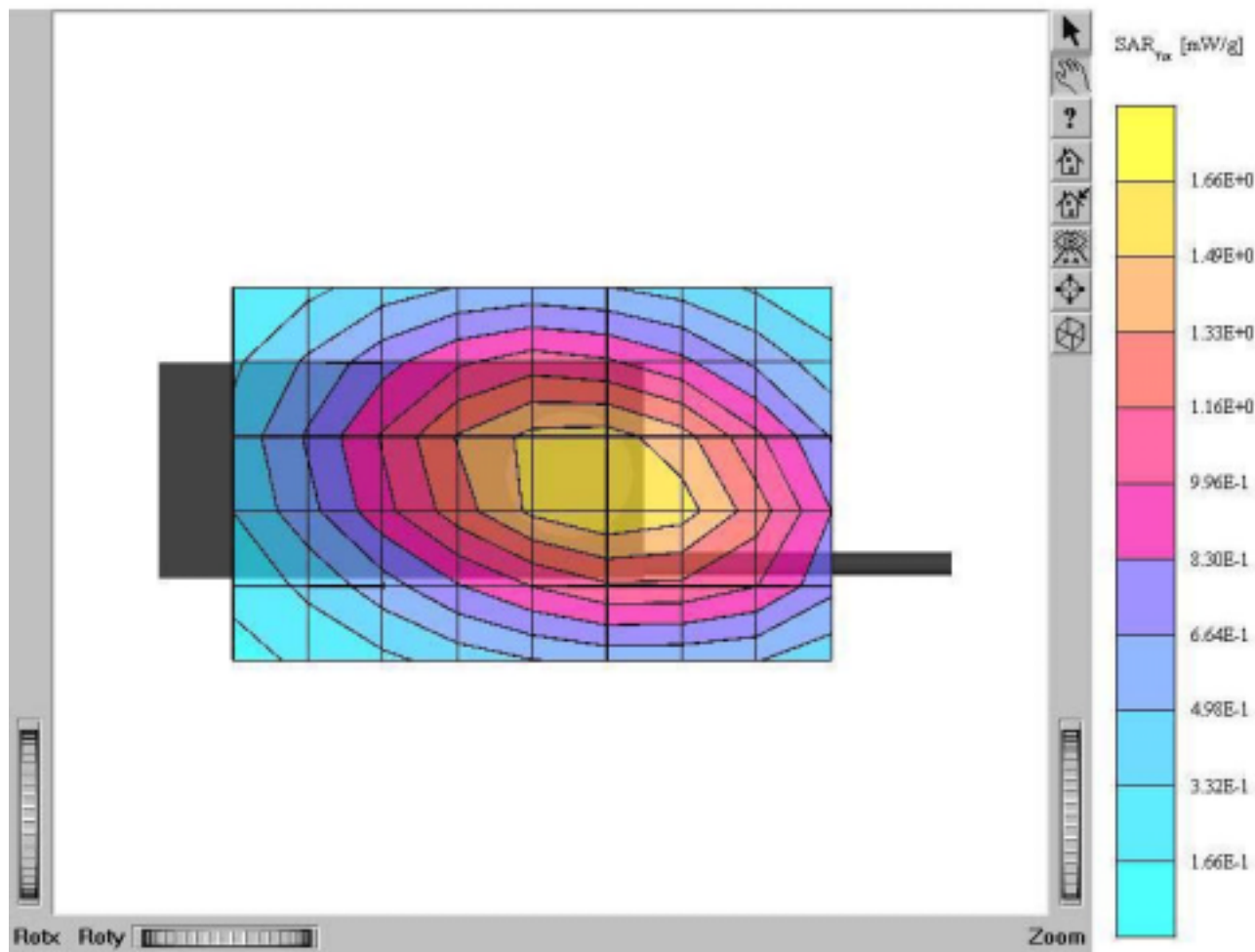
Antenna: out

Conducted Power: 1.86W (Battery Type: Rocket)

Channel: 1 (462.5625 MHz)

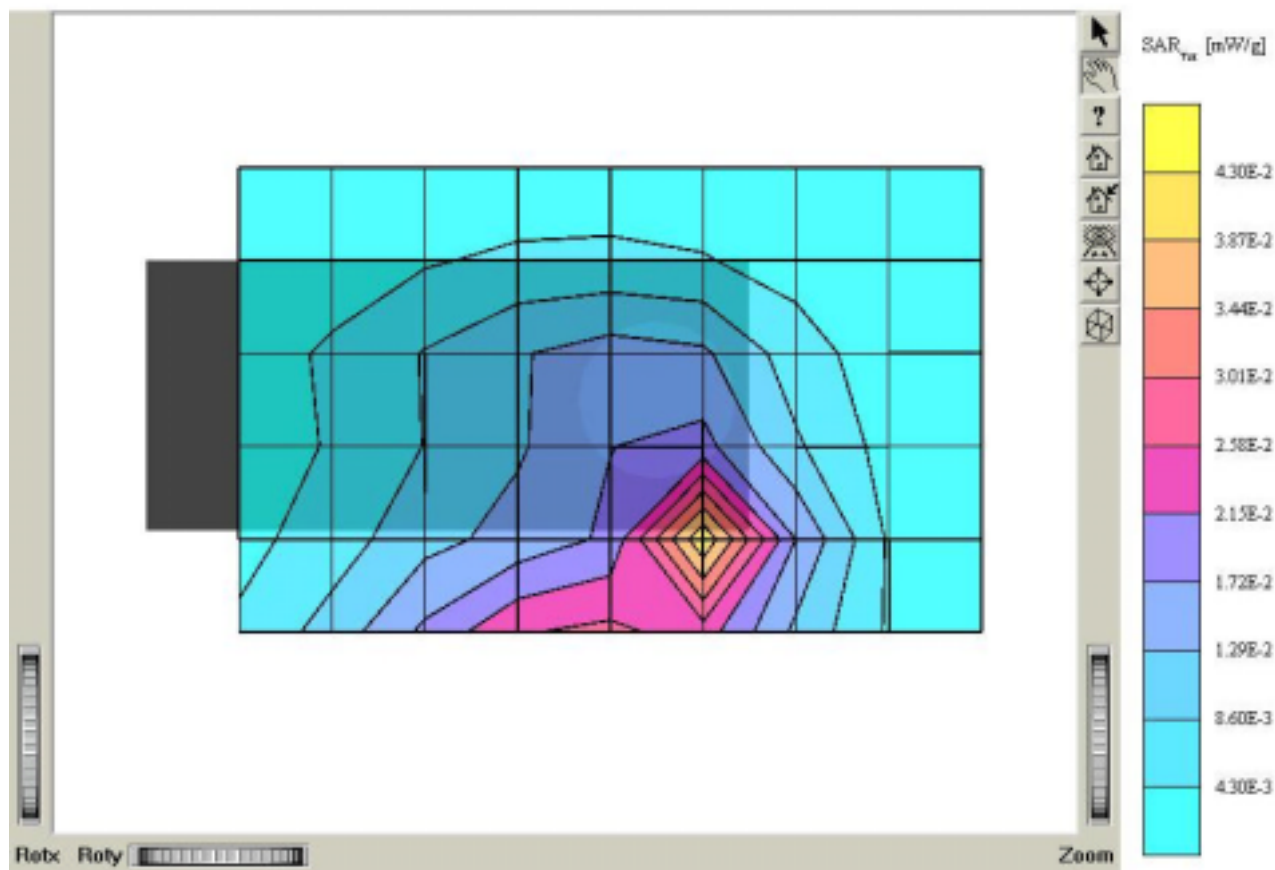
Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



JGG-2002 (FACE)

SAM II Phantom: Flat Section; Position: (90°, 90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1608; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Brain 450 MHz: $\epsilon = 0.65$ mho/m $\epsilon_r = 45.2$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.0355 mW/g; SAR (10g): 0.0191 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
: Powerdrt: -0.55 dB
Comment:
FCC ID : OAJJGG-2002
Company: J Communications Co., Ltd.
Antenna: in
Conducted Power: 1.87W (Battery Type: Rocket)
Channel: 1 (462.5625 MHz)
Liquid Temperature: 21.8 °C
Date Tested: November 18, 2002



d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 45.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.39 mW/g, SAR (10g): 1.02 mW/g

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

Powerdrift: -0.77 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

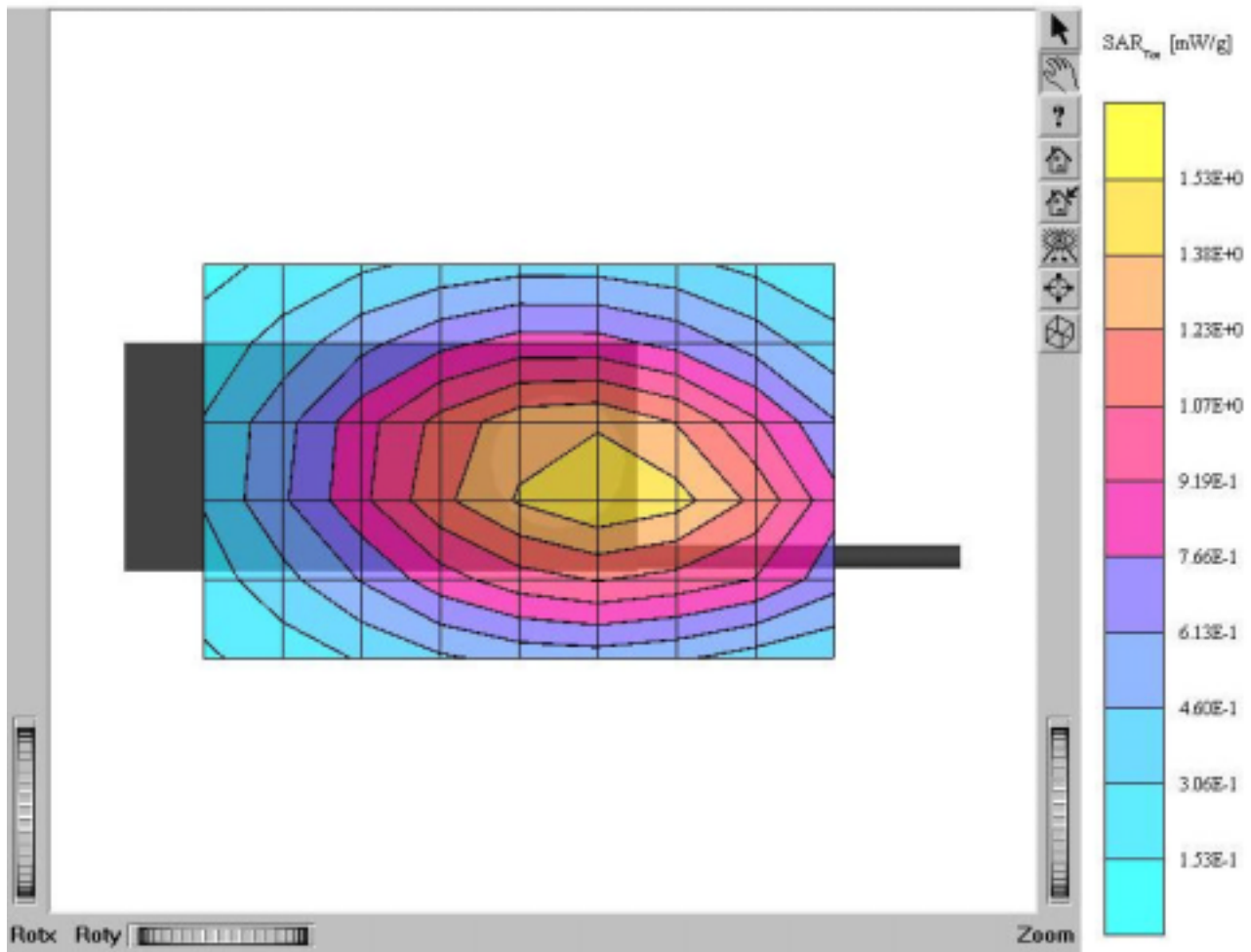
Antenna: out

Conducted Power: 1.85W (Battery Type: Rocket)

Channel: 7 (462.7125 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvP(7.40,7.40,7.40): Crest factor: 1.0; Beam 450 MHz: $\sigma = 0.85 \text{ mho/m}$, $\epsilon_r = 45.2$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 0.0493 mW/g, SAR (10g): 0.0260 mW/g

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

Powerdrift: -0.77 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

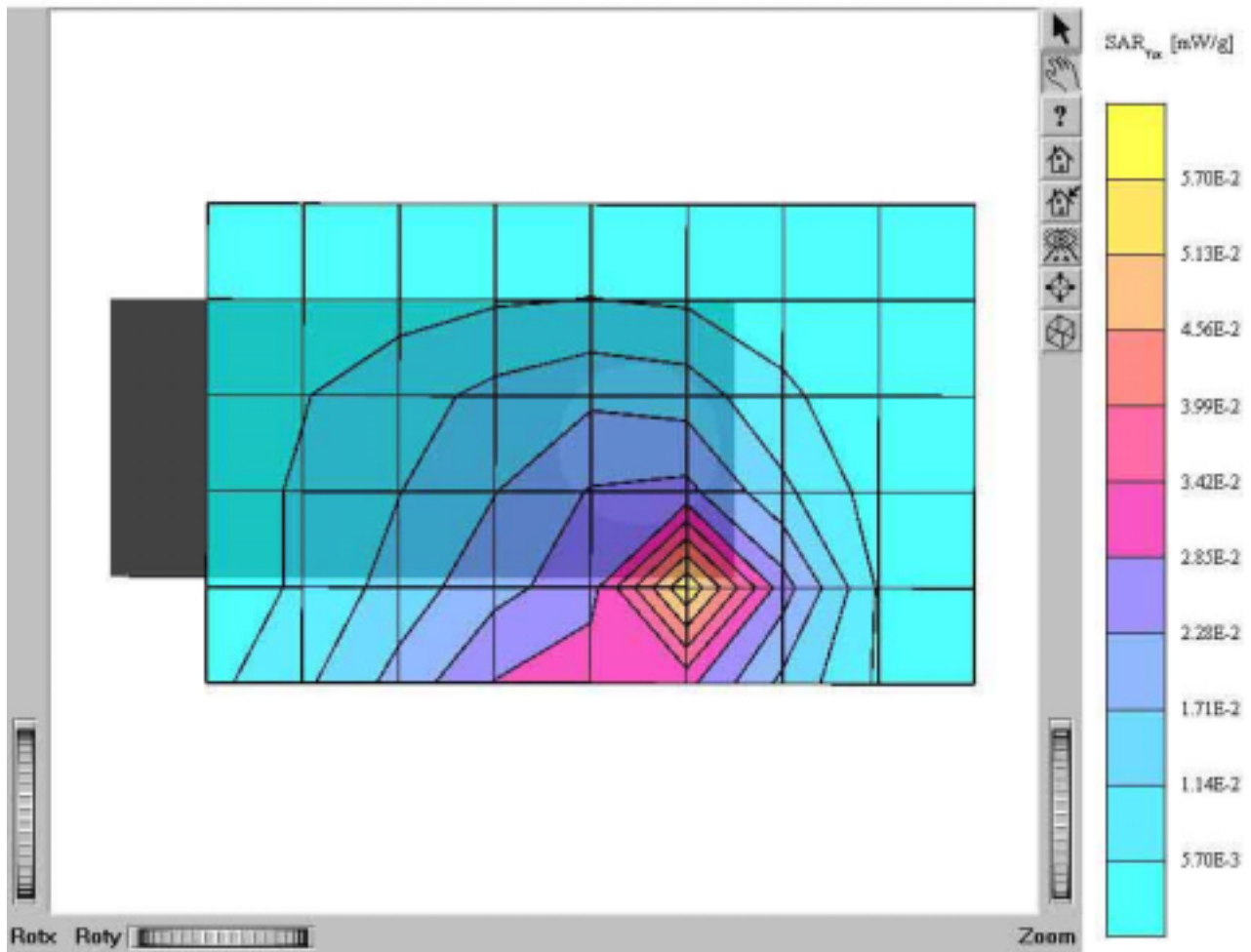
Antenna: in

Conducted Power: 1.85W (Battery Type: Rocket)

Channel: 7 (462.7125 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 45.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.45 mW/g, SAR (10g): 1.04 mW/g

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

Powerdrift: -0.95 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

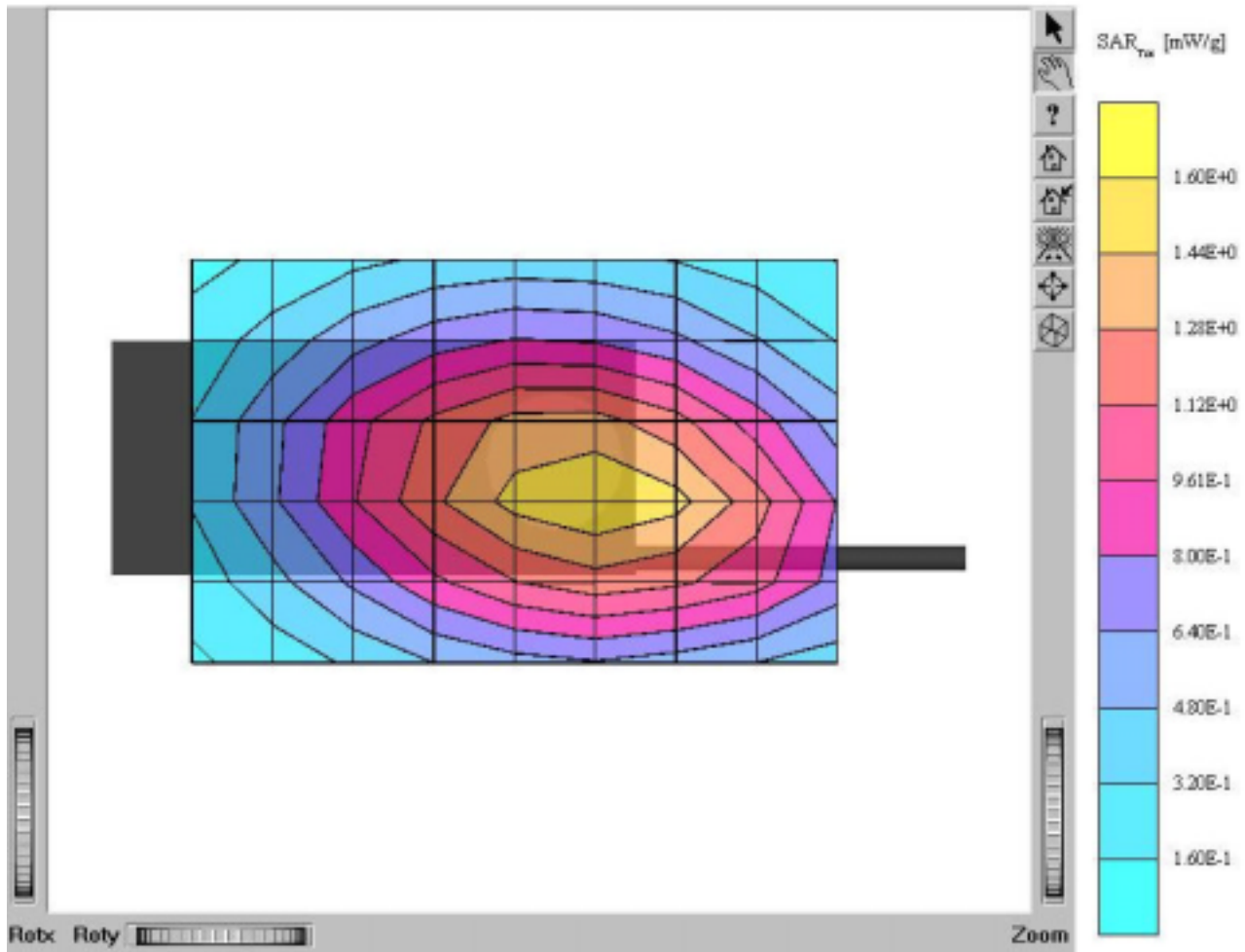
Antenna: out

Conducted Power: 1.87W (Battery Type: Rocket)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 45.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.0366 mW/g, SAR (10g): 0.0191 mW/g

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

Powerdrift: -0.69 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

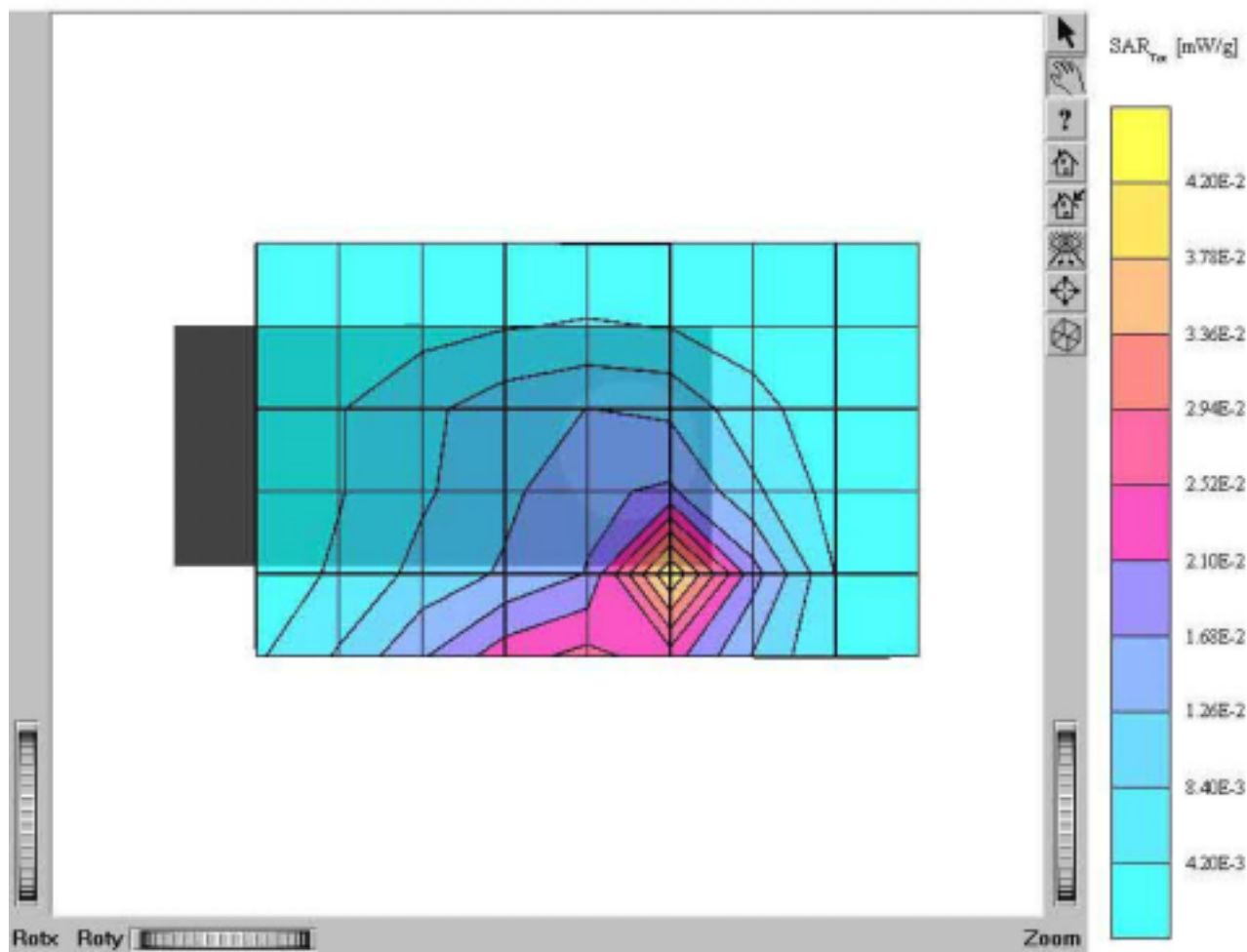
Antenna: in

Conducted Power: 1.86W (Battery Type: Rocket)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.40,7.40,7.40): Crest factor: 1.0: Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 45.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.34 mW/g, SAR (10g): 0.973 mW/g

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

Powerdrift: -1.22 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

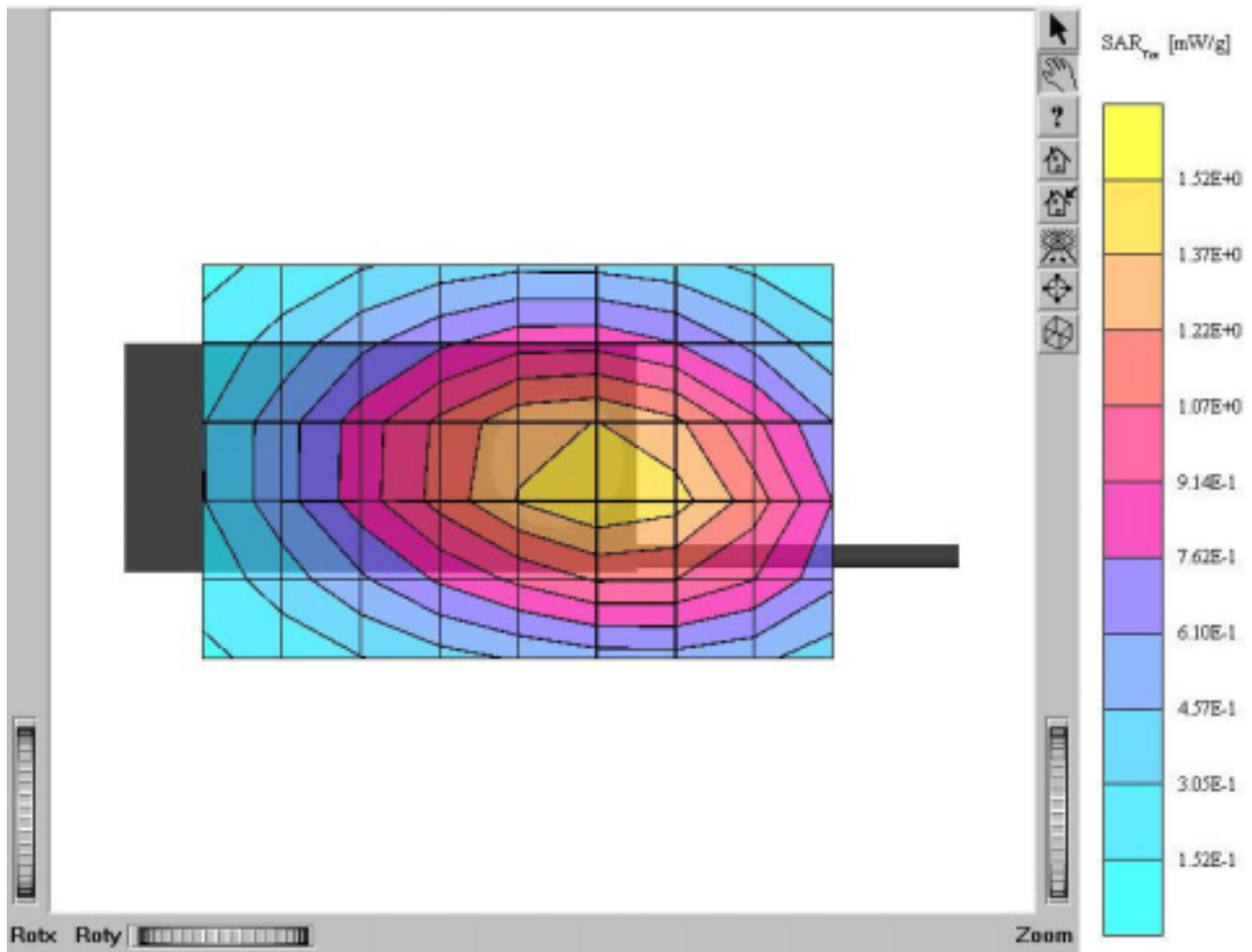
Antenna: out

Conducted Power: 1.87W (Battery Type: Bezzel)

Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (FACE)

SAM II Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Brain 450 MHz: $\sigma = 0.85$ mho/m $\epsilon_r = 45.2$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 1.34 mW/g, SAR (10g): 0.976 mW/g

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

Powerdrift: -1.04 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

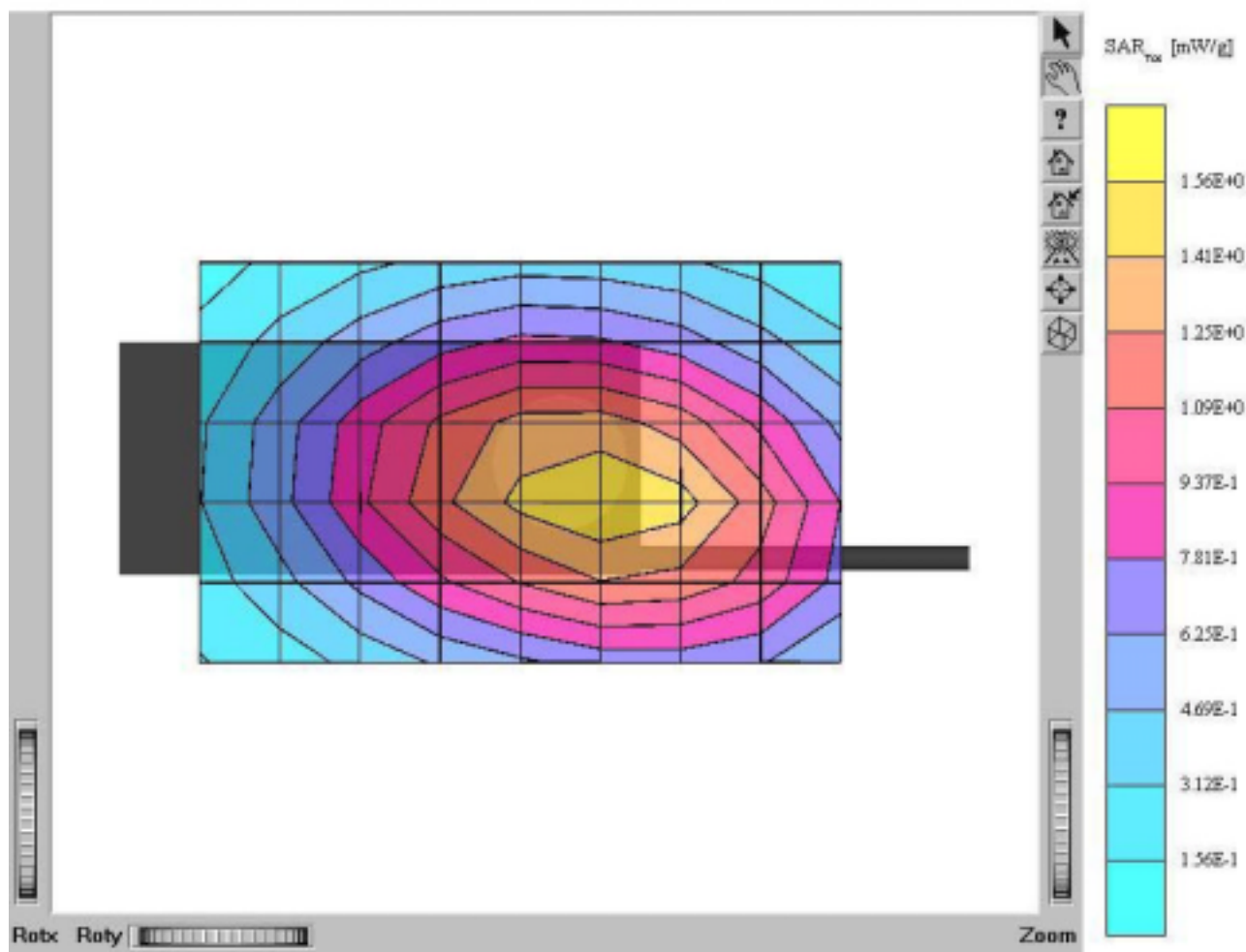
Antenna: out

Conducted Power: 1.86W (Battery Type: Toshiba)

Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM Phantom: Flat Section: Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV5 - SN1609; ConvF(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.94$ mho/m, $\epsilon_r = 56.1$, $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.02 mW/g, SAR (10g): 1.47 mW/g

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

Powerdrift: -0.65 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

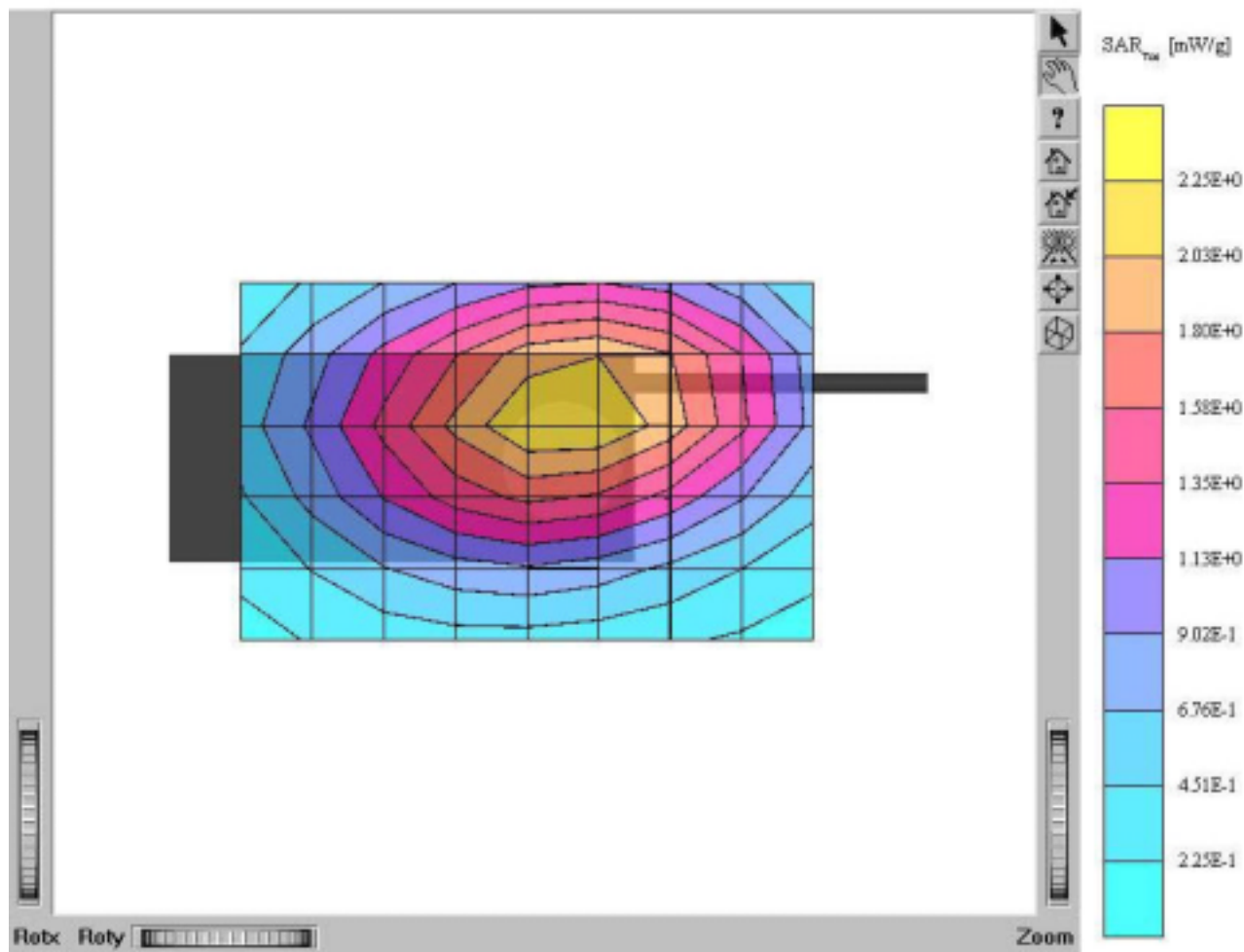
Antenna: out

Conducted Power: 1.86W (Battery Type: Rocket)

Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM I Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.60,7.60,7.60): Crest factor: 1.0: Body 450 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.0580 mW/g. SAR (10g): 0.0385 mW/g

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

Powerdrift: -0.76 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

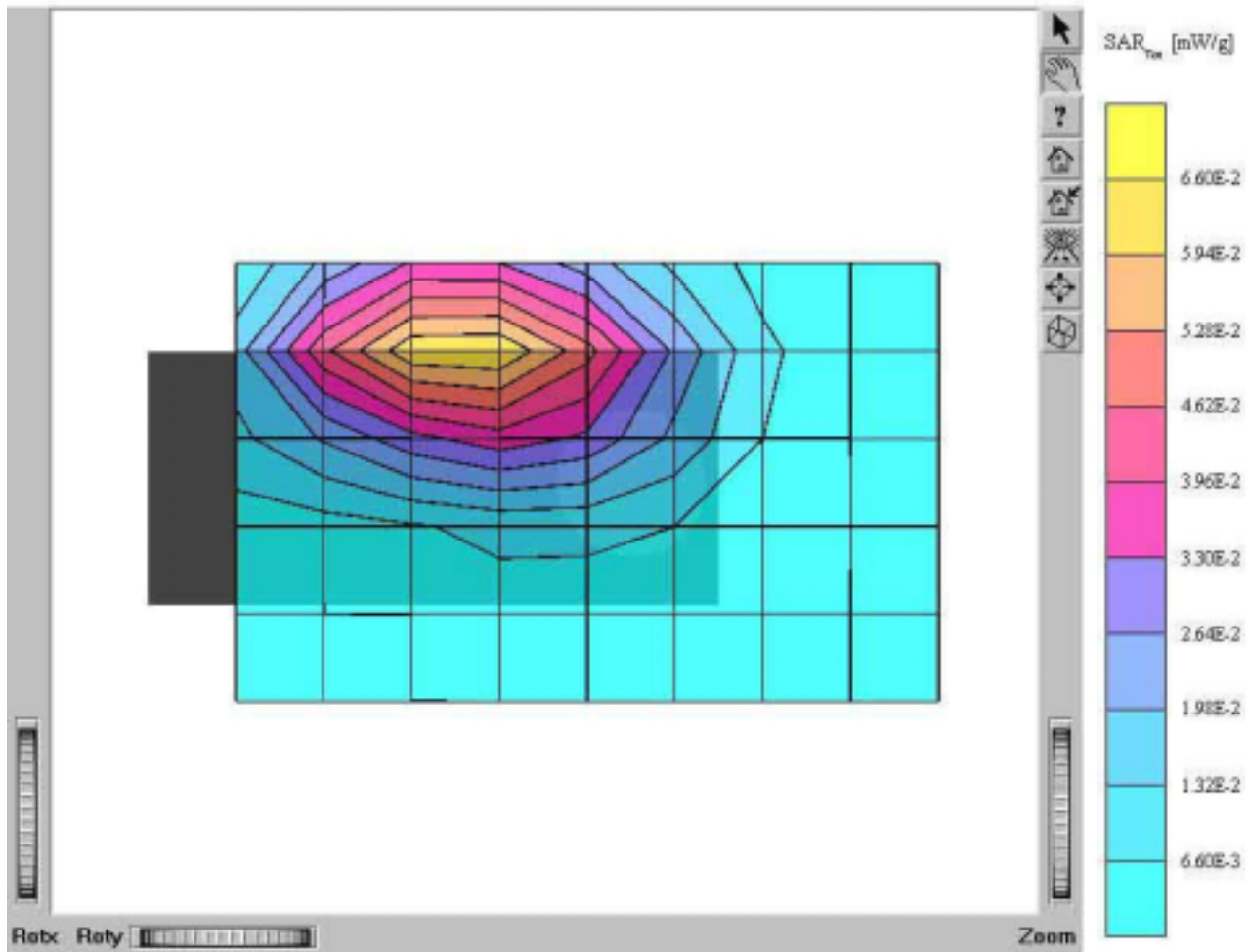
Antenna: in

Conducted Power: 1.87W (Battery Type: Rocket)

Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM 1 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV5 - SN1609; ConvF(7.60,7.60,7.60): Crest factor: 1.0; Body 450 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.09 mW/g, SAR (10g): 1.51 mW/g

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

Powerdrift: -1.10 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

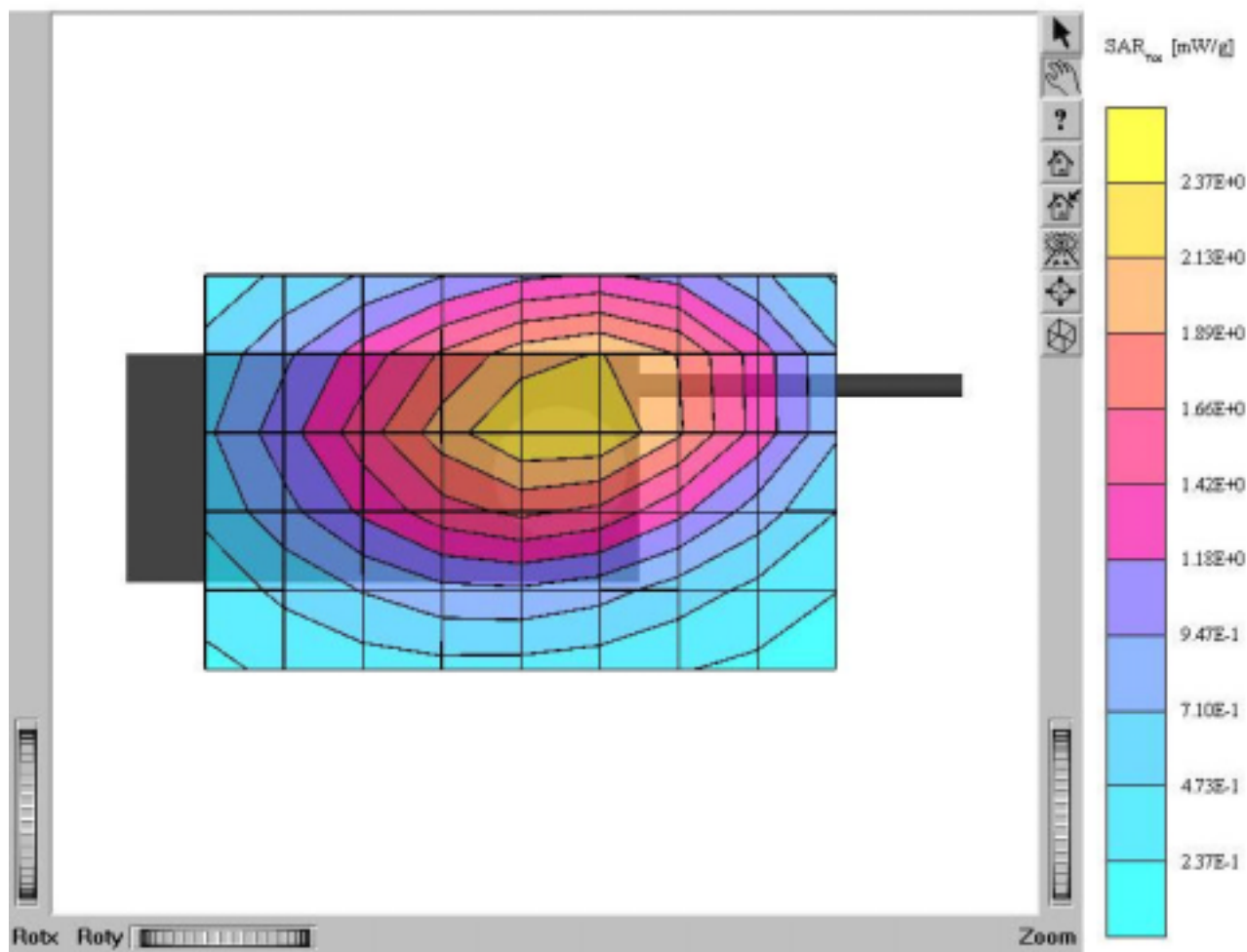
Antenna: out

Conducted Power: 1.86W (Battery Type: Rocket)

Channel: 7 (462.7125 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM I Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvP(7.60,7.60,7.60): Crest factor: 1.0: Body 450 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.0601 mW/g, SAR (10g): 0.0395 mW/g

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

Powerdrift: -0.59 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

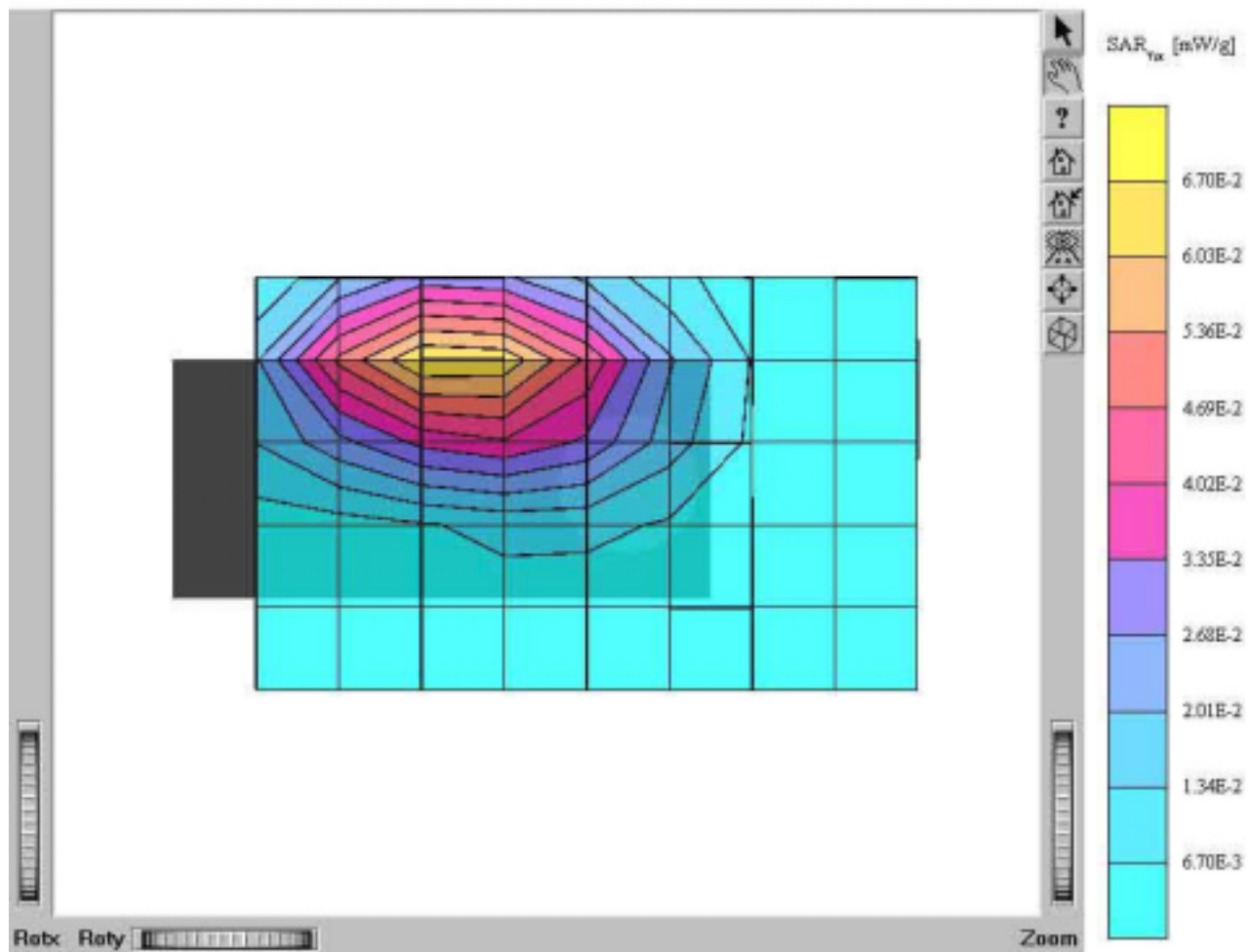
Antenna: in

Conducted Power: 1.85W (Battery Type: Rocket)

Channel: 7 (462.7125 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM 1 Phantom; Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.60, 7.60, 7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.94$ mho/m, $\epsilon_r = 56.1$, $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.13 mW/g, SAR (10g): 1.53 mW/g

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

Powerdrift: -1.08 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

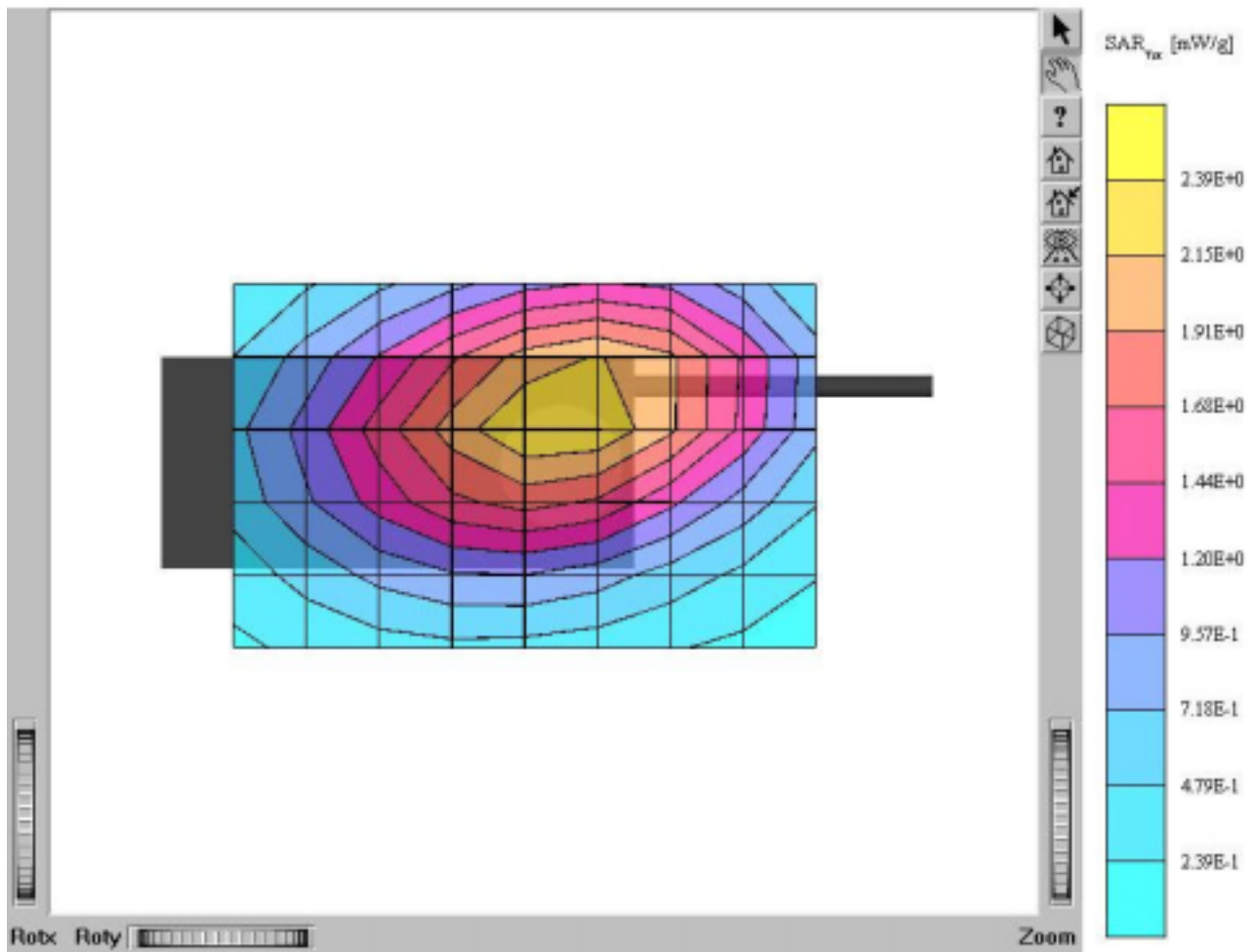
Antenna: out

Conducted Power: 1.87W (Battery Type: Rocket)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvP(7.60,7.60,7.60); Crest factor: 1.0; Body 450 MHz: $\sigma = 0.94$ mho/m, $\epsilon_r = 56.1$, $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.0753 mW/g, SAR (10g): 0.0495 mW/g

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

Powerdrift: -0.71 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

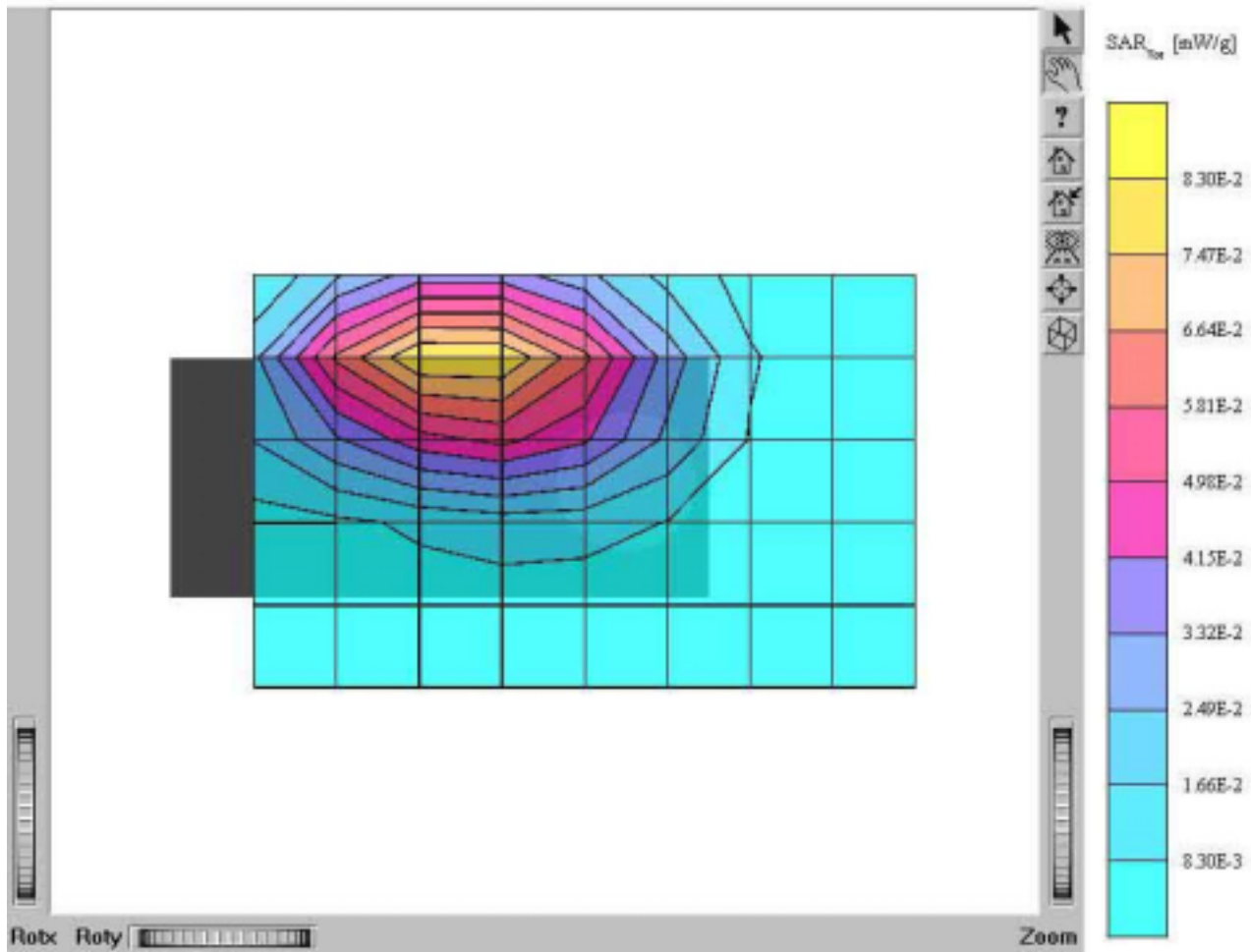
Antenna: in

Conducted Power: 1.87W (Battery Type: Rocket)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM I Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.60,7.60,7.60): Crest factor: 1.0: Body 450 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.17 mW/g. SAR (10g): 1.56 mW/g

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

Powerdrift: -1.32 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

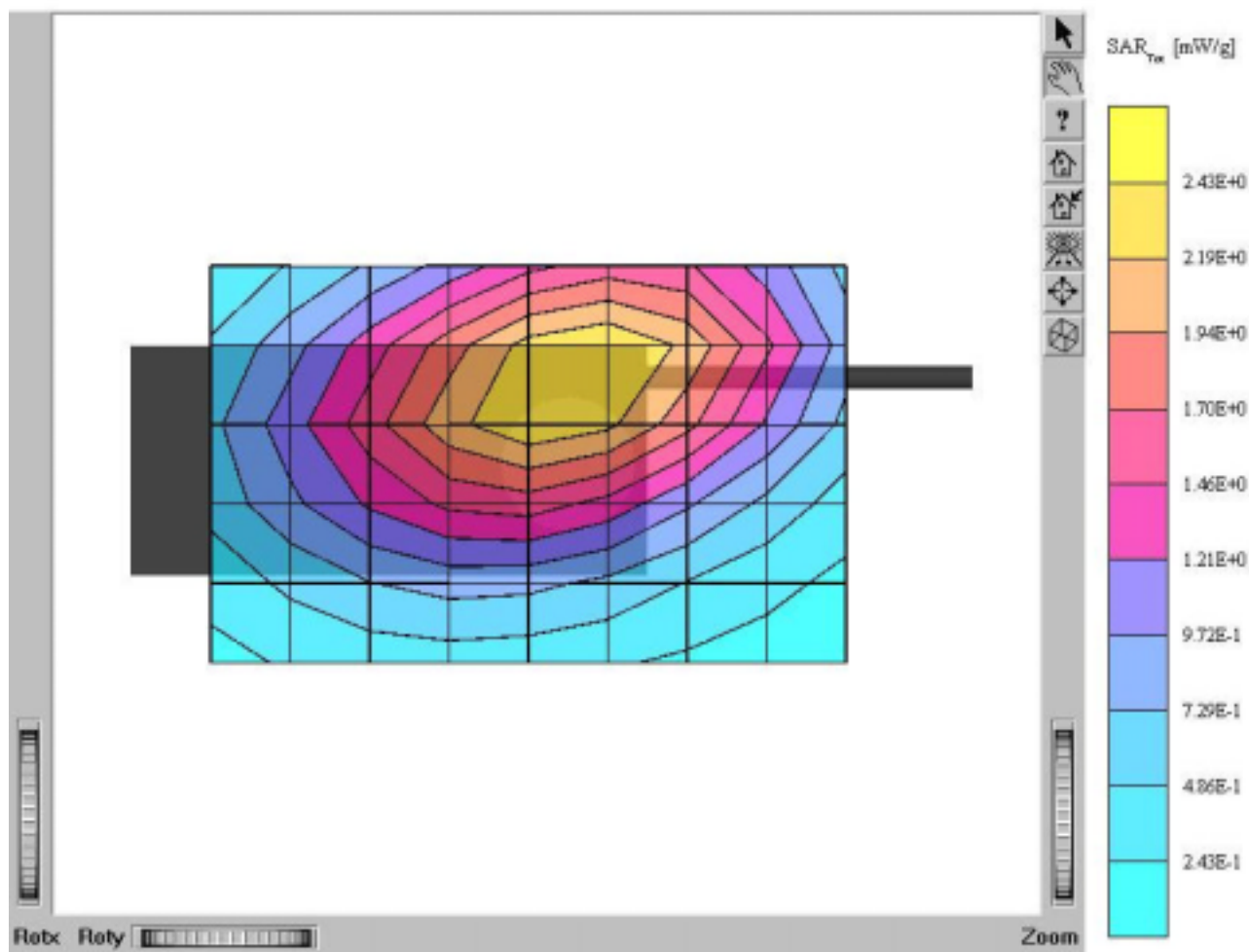
Antenna: out

Conducted Power: 1.85W (Battery Type: Bezzel)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM 1 Phantom: Flat Section: Position: (90°,90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.60,7.60,7.60): Crest factor: 1.0: Body 450 MHz: $\sigma = 0.94$ mho/m $\epsilon_r = 56.1$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 2.24 mW/g, SAR (10g): 1.61 mW/g

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

Powerdrift: -1.10 dB

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

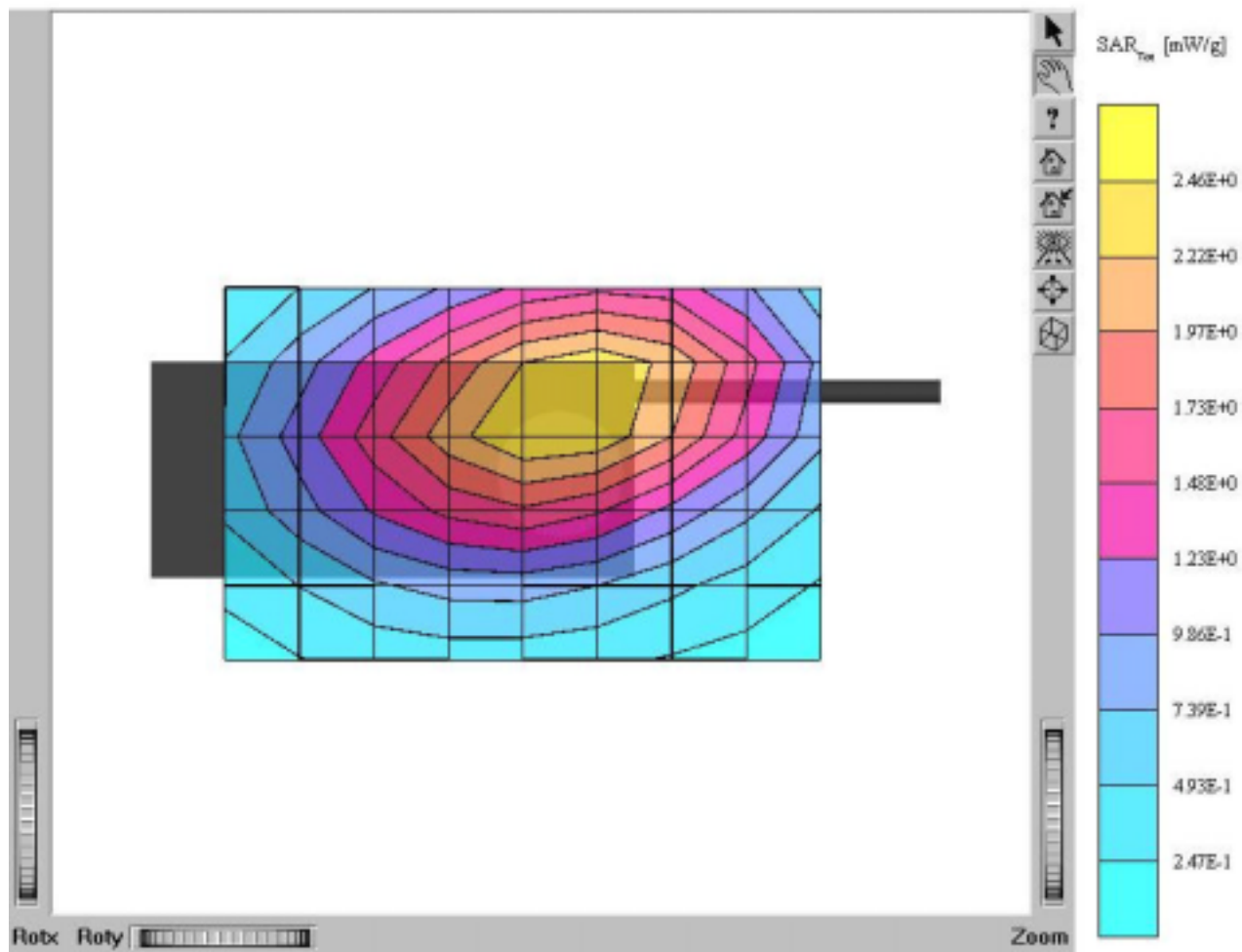
Antenna: out

Conducted Power: 1.85W (Battery Type: Toshiba)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



JGG-2002 (FACE)

SAM II Phantom: Flat Section; Position: (90°, 90°); Frequency: 450 MHz

Probe: ET3DV6 - SN1609; ConvF(7.40, 7.40, 7.40); Crest factor: 1.0; Brain 450 MHz: $s = 0.85 \text{ mho/m}$, $\epsilon_r = 45.2$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 1.48 mW/g, SAR (10g): 1.09 mW/g

Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

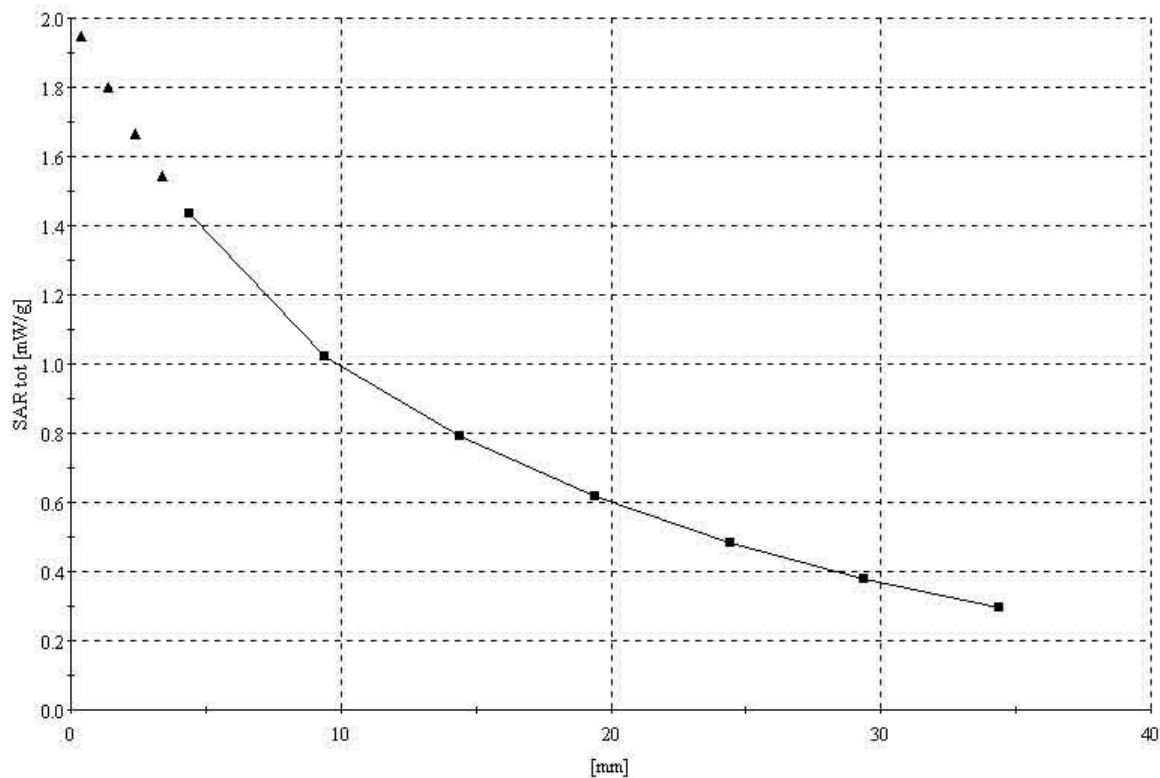
Antenna: out

Conducted Power: 1.86W (Battery Type: Rocket)

Channel: 1 (462.5625 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d

JGG-2002 (body)

SAM : Phantom: Flat Section: Position: (90°, 90°): Frequency: 450 MHz

Probe: ET3DV6 - SN1609: ConvF(7.60, 7.60, 7.60): Crest factor: 1.0: Body 450 MHz: $s = 0.94 \text{ mho/m}$, $\epsilon_r = 56.1$, $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7: SAR (1g): 2.24 mW/g, SAR (10g): 1.61 mW/g

Cube 5x5x7: $D_x = 8.0$, $D_y = 8.0$, $D_z = 5.0$

:

Comment:

FCC ID : OAJJGG-2002

Company: J Communications Co., Ltd.

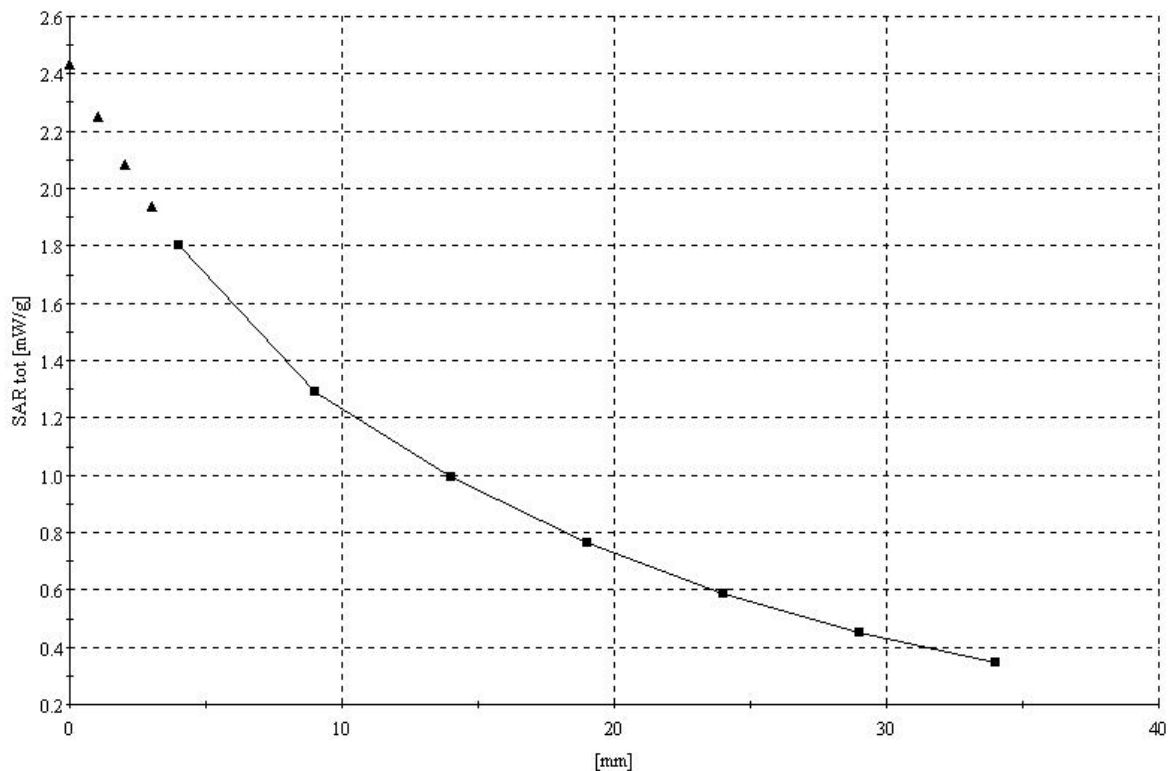
Antenna: out

Conducted Power: 1.86W (Battery Type: Toshiba)

Channel: 15 (462.5500 MHz)

Liquid Temperature: 21.8 °C

Date Tested: November 18, 2002



d