

APPENDIX A – SAR TEST PLOTS

HL-10U1

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

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $s = 0.86$ $\rho_{\text{ho/m}}$ $\epsilon_r = 43.7$ $\rho = 1.00 \text{ g/cm}^3$

Cube 5x5x7; SAR (1g): 2.42 mW/g, SAR (10g): 1.74 mW/g

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

Powerdrift: -0.24 dB

Comment:

FCC ID : QREHL-10U1 / MODEL: HL-10U1

Company : Headline I&C Ltd.

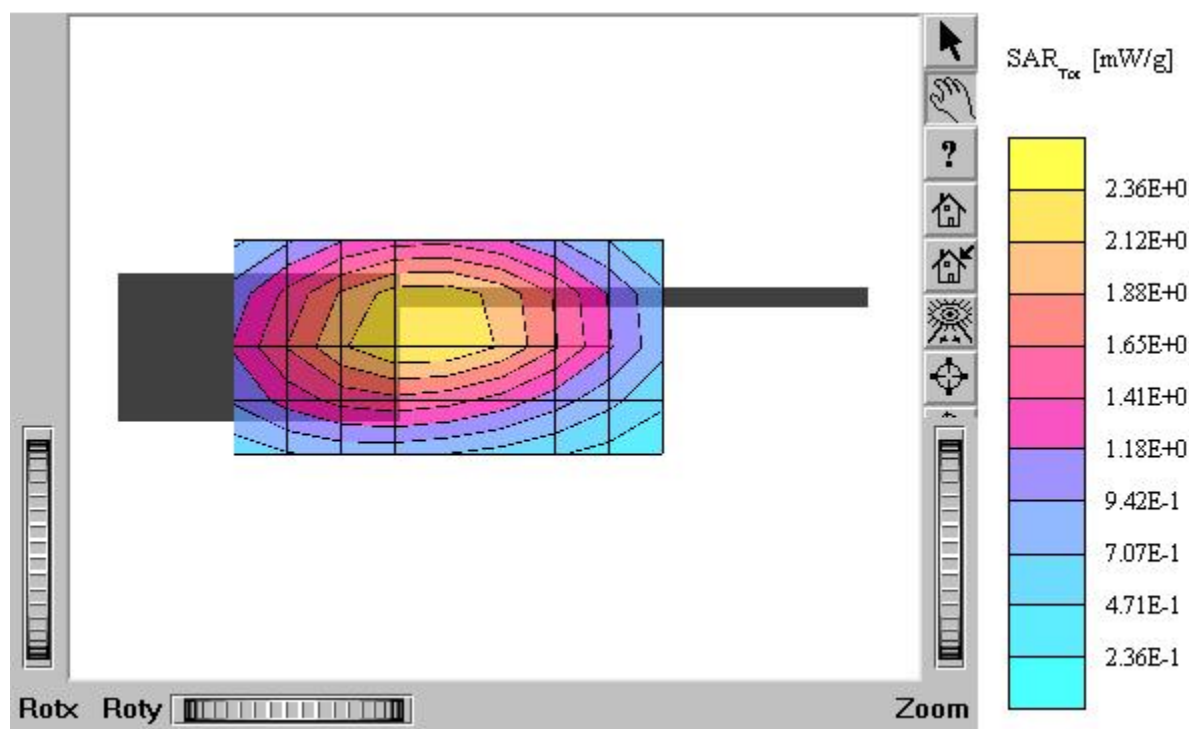
Face / Antenna: Fixed

Mode : LMR / Channel: F1 (406.025 MHz)

Conducted Power : 3.63 W

Liquid Temperature: 21.5°C

Date Tested : November 24 , 2004



HL-10U1

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

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $s = 0.86$ ρ/m , $\epsilon_r = 43.7$, $r = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.94 mW/g, SAR (10g): 2.10 mW/g

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

Powerdrift: -0.09 dB

Comment:

FCC ID : QREHL-10U1 / MODEL: HL-10U1

Company : Headline I&C Ltd.

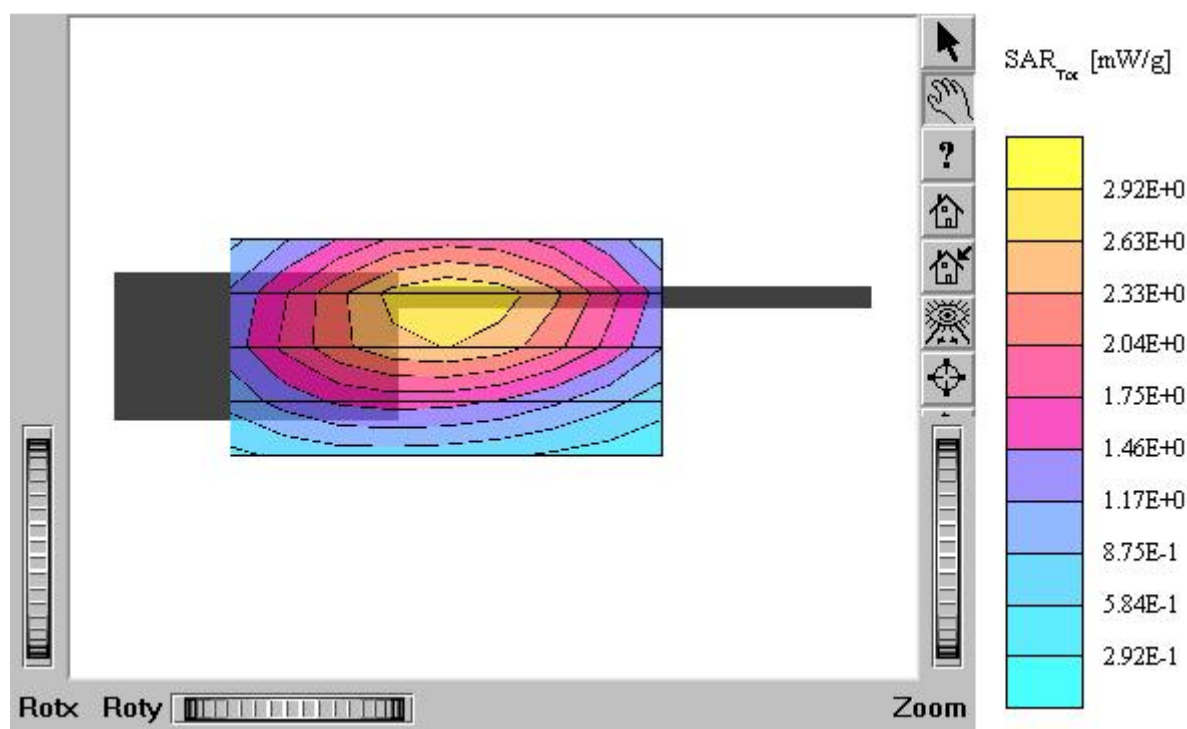
Face / Antenna: Fixed

Mode : LMR / Channel: F2 (438.025 MHz)

Conducted Power : 3.60 W

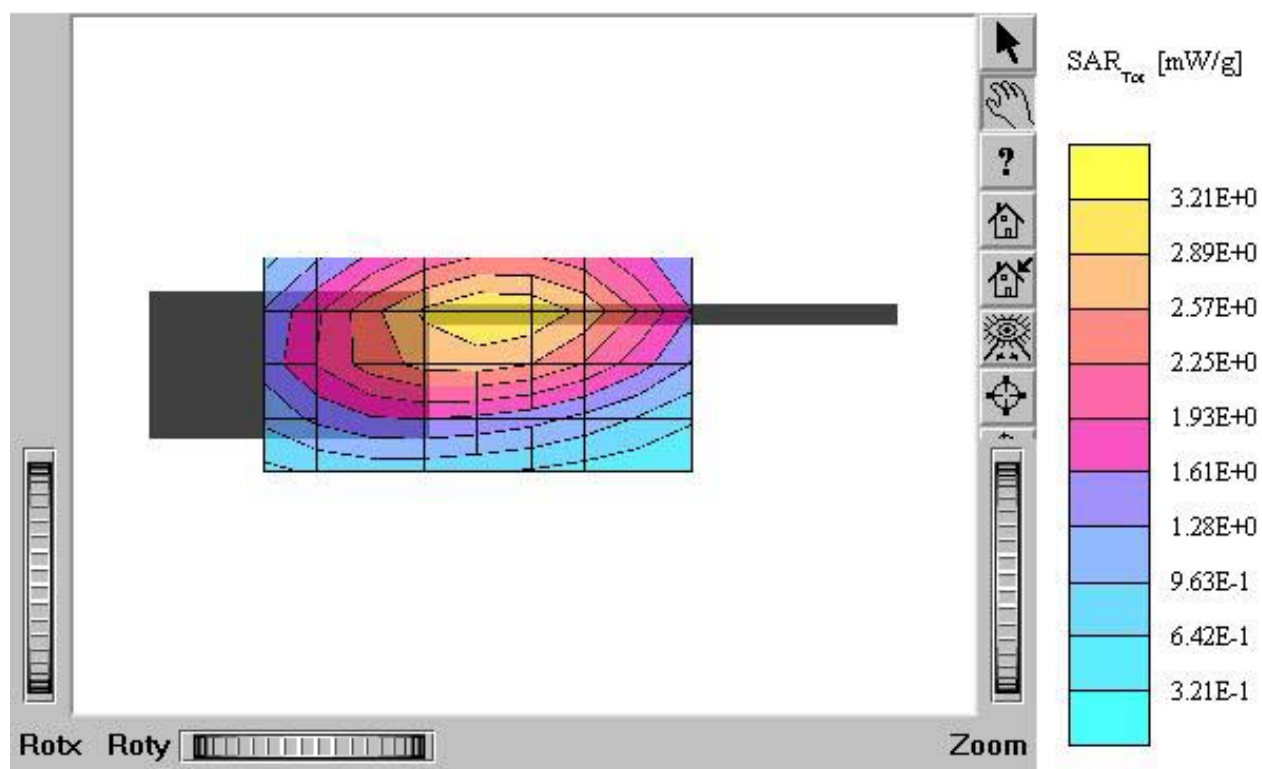
Liquid Temperature: 21.5°C

Date Tested : November 24 , 2004



HL-10U1

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $s = 0.86$
 $\rho = 43.7$ g/cm³
Cube 5x5x7; SAR (1g): 3.13 mW/g, SAR (10g): 2.23 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.33 dB
Comment:
FCC ID : QREHL-10U1 / MODEL: HL-10U1
Company : Headline I&C Ltd.
Face / Antenna: Fixed
Mode : LMR / Channel: F3 (469.975 MHz)
Conducted Power : 3.57 W
Liquid Temperature: 21.5°C
Date Tested : November 24 , 2004



HL-10U1

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

Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $s = 0.86$ ρ/m , $\epsilon_r = 43.7$, $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.682 mW/g, SAR (10g): 0.487 mW/g

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

Powerdrift: 0.06 dB

Comment:

FCC ID : QREHL-10U1 / MODEL: HL-10U1

Company : Headline I&C Ltd.

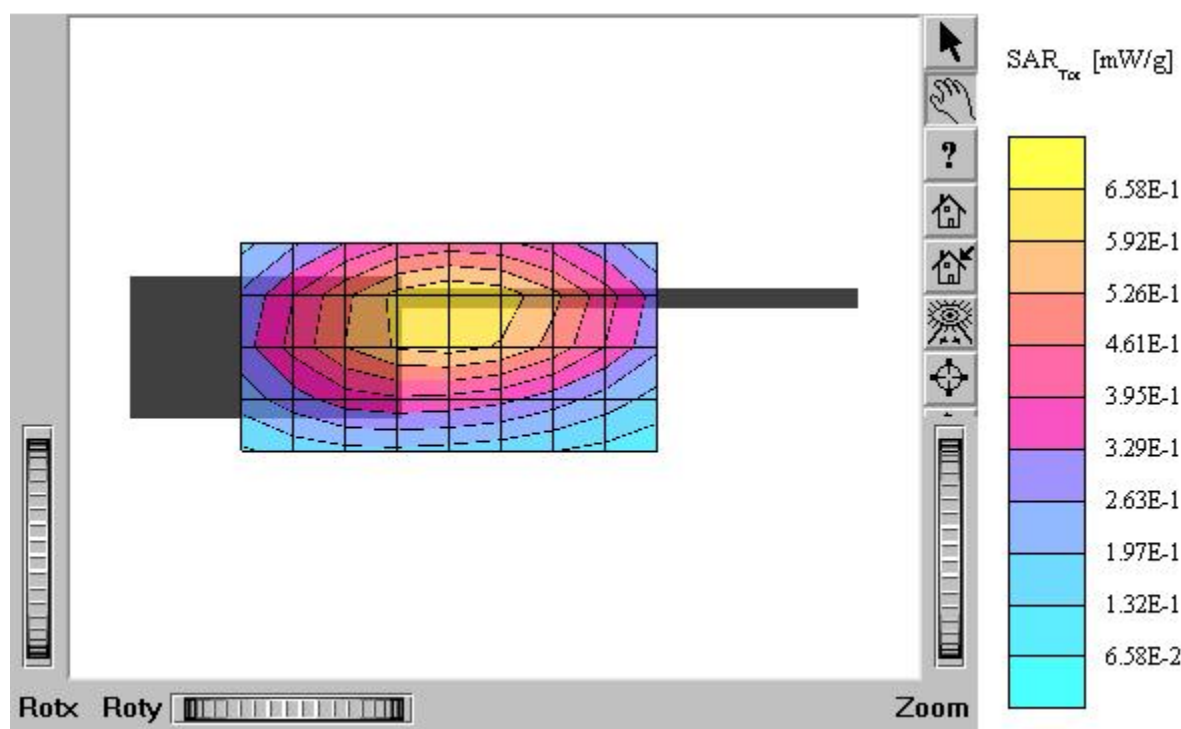
Face / Antenna: Fixed

Mode : LMR / Channel: F2 (438.025 MHz)

Conducted Power : 0.650W

Liquid Temperature: 21.5°C

Date Tested : November 24 , 2004



HL-10U1

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

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.94$ ρ/m , $\epsilon_r = 54.9$, $\rho = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 5.12 mW/g, SAR (10g): 3.67 mW/g

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

Powerdrift: -0.02 dB

Comment:

FCC ID : QREHL-10U1 / MODEL: HL-10U1

Company : Headline I&C Ltd.

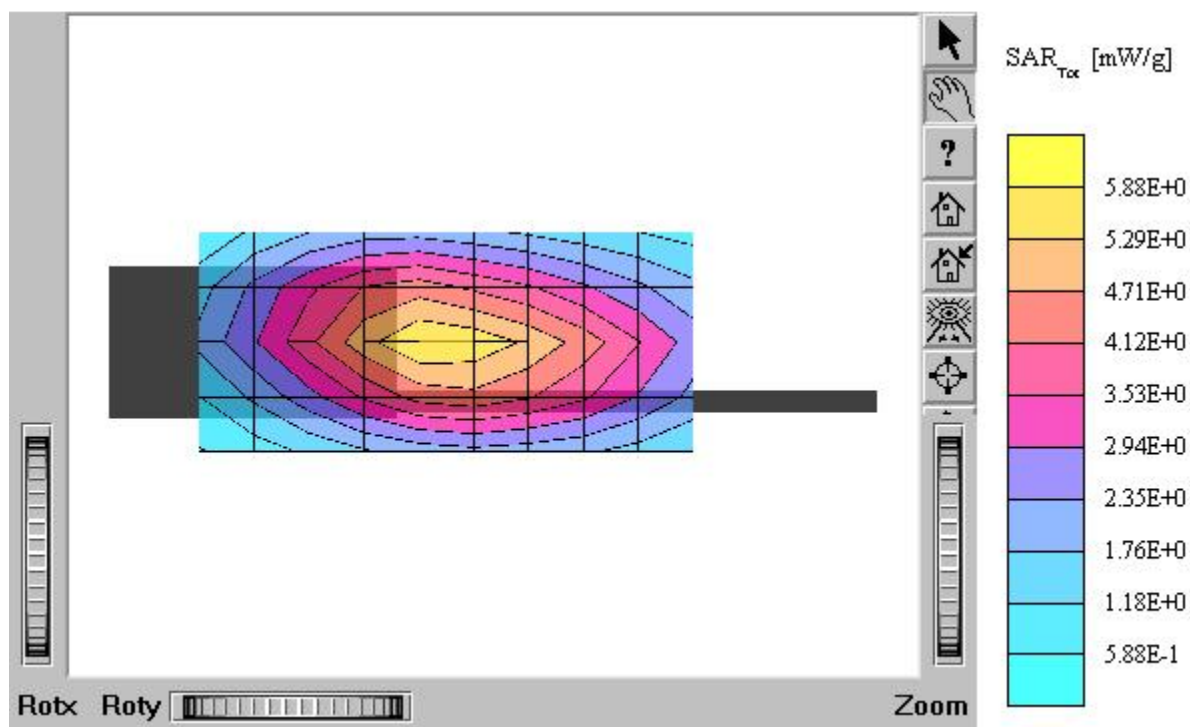
Body / Antenna: Fixed

Mode : LMR / Channel: F1 (406.025 MHz)

Conducted Power : 3.62 W

Liquid Temperature: 21.5°C

Date Tested : November 24 , 2004



HL-10U1

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

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.94$ ρ/m , $\epsilon_r = 54.9$, $r = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 2.93 mW/g, SAR (10g): 2.11 mW/g

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

Powerdrift: -0.26 dB

Comment:

FCC ID : QREHL-10U1 / MODEL: HL-10U1

Company : Headline I&C Ltd.

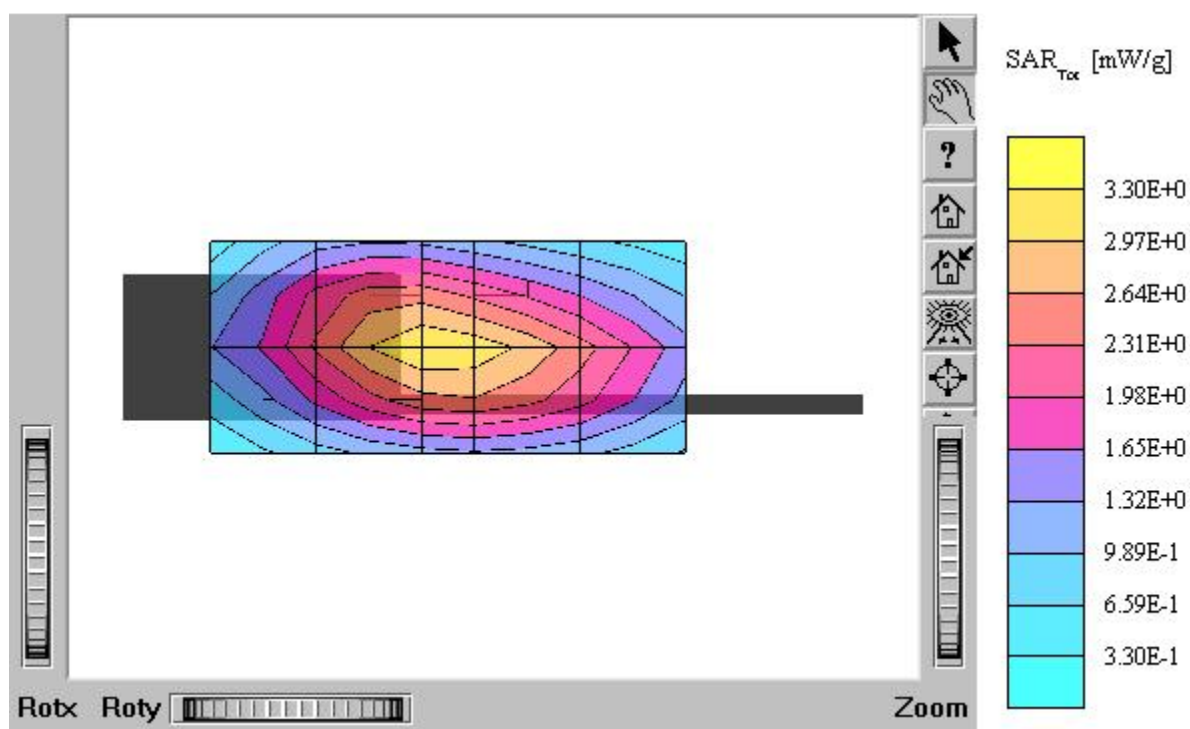
Body / Antenna: Fixed

Mode : LMR / Channel: F2 (438.025 MHz)

Conducted Power : 3.59 W

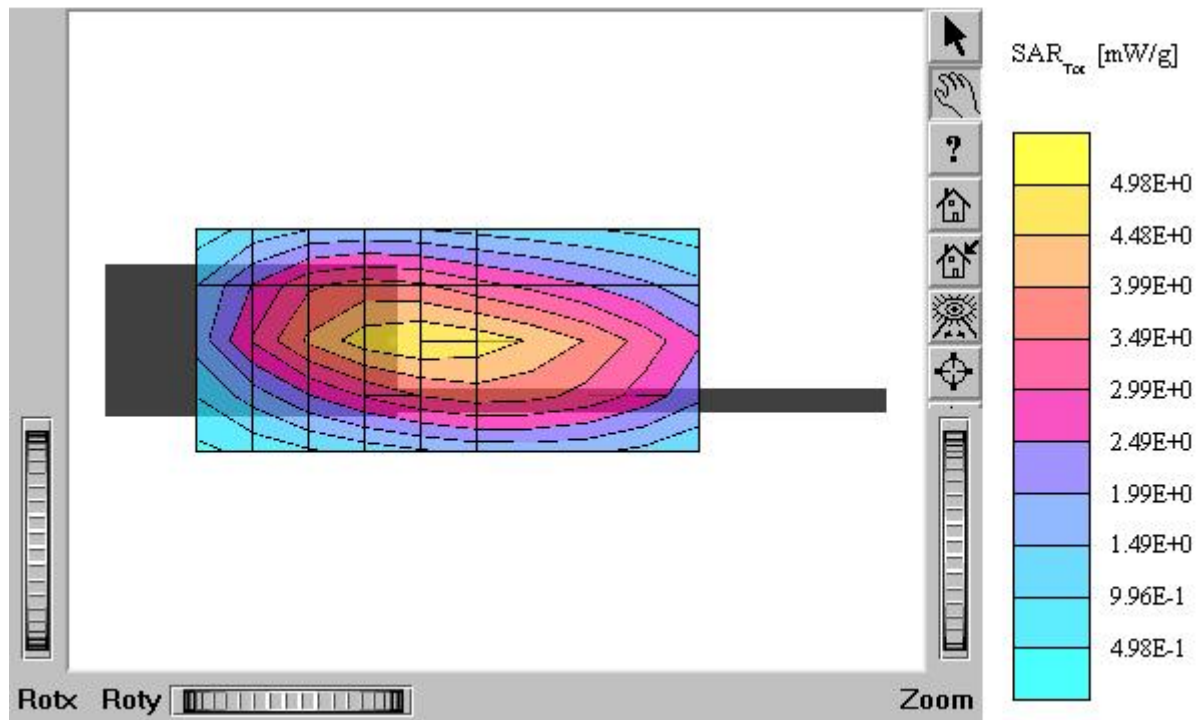
Liquid Temperature: 21.5°C

Date Tested : November 24 , 2004



HL-10U1

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.94$
 $\rho/m_e = 54.9$ $r = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 4.40 mW/g, SAR (10g): 3.11 mW/g
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.09 dB
Comment:
FCC ID : QREHL-10U1 / MODEL: HL-10U1
Company : Headline I&C Ltd.
Body / Antenna: Fixed
Mode : LMR / Channel: F3 (469.975 MHz)
Conducted Power : 3.57 W
Liquid Temperature: 21.5°C
Date Tested : November 24 , 2004



HL-10U1

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

Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.94$ $\rho/\rho_0 = 54.9$ $r = 1.00$ g/cm³

Cube 5x5x7; SAR (1g): 0.579 mW/g, SAR (10g): 0.407 mW/g

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

Powerdrift: 0.16 dB

Comment:

FCC ID : QREHL-10U1 / MODEL: HL-10U1

Company : Headline I&C Ltd.

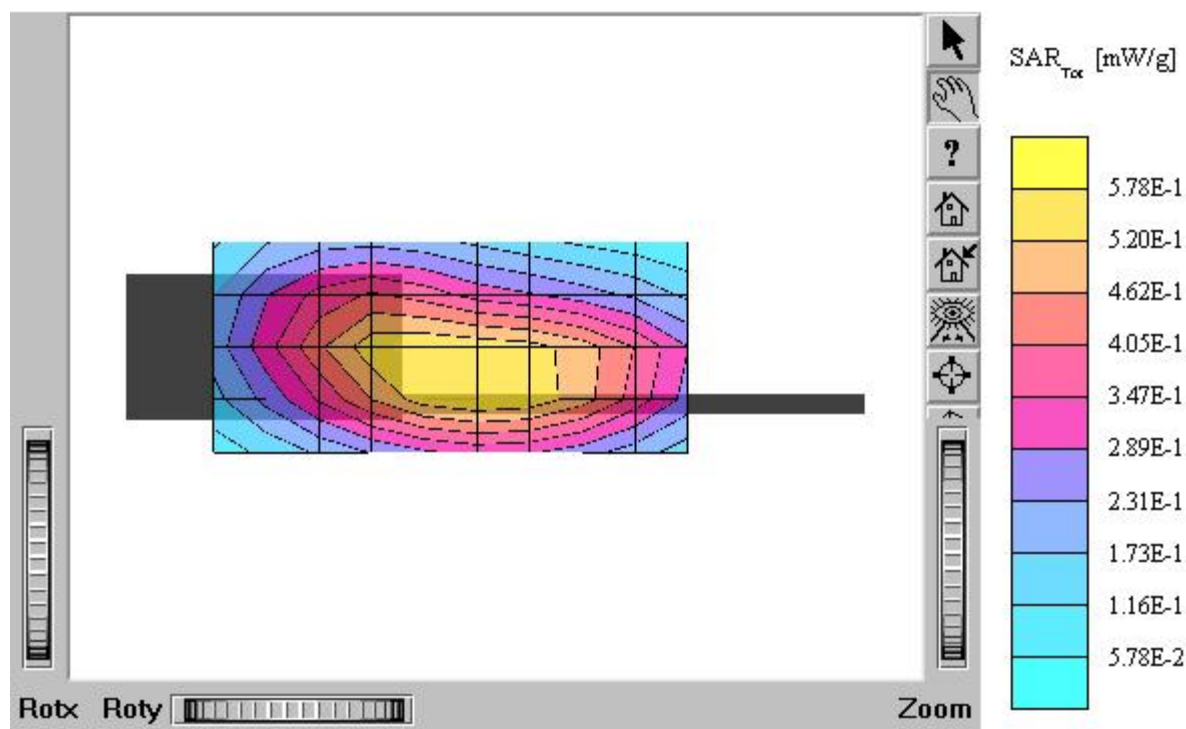
Body / Antenna: Fixed

Mode : LMR / Channel: F2 (438.025 MHz)

Conducted Power : 0.654W

Liquid Temperature: 21.5°C

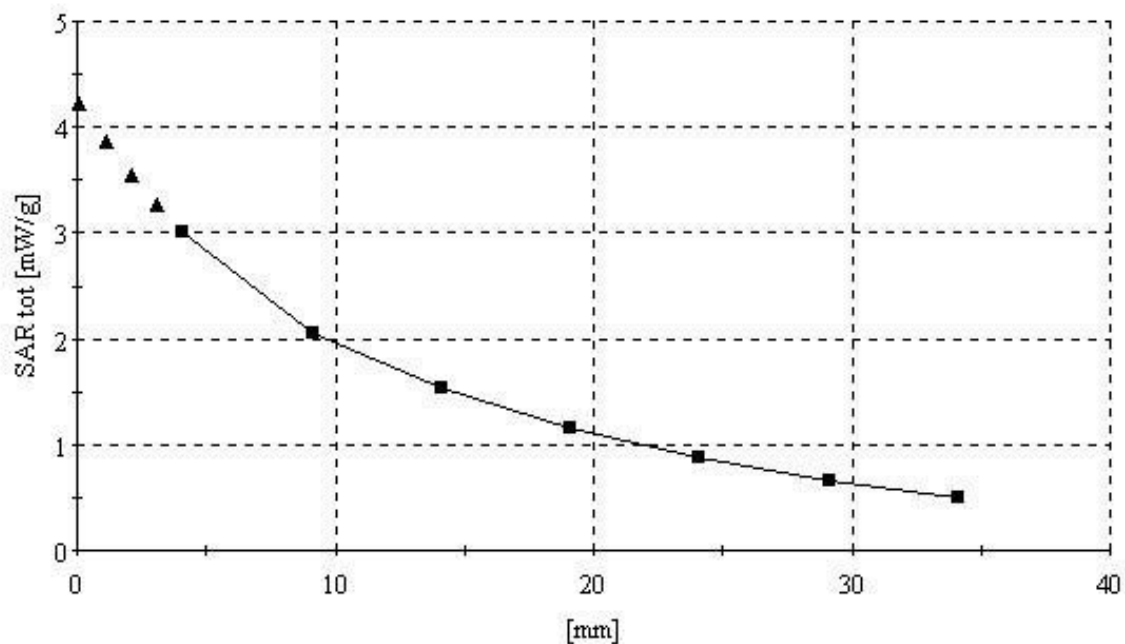
Date Tested : November 24 , 2004



HL-10U1

SAM II Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.69,7.69,7.69); Crest factor: 1.0; Brain 450 MHz: $s = 0.86$
 $\rho = 43.7$ mho/m, $r = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 3.13 mW/g, SAR (10g): 2.23 mW/g
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:
FCC ID : QREHL-10U1 / MODEL: HL-10U1
Company : Headline I&C Ltd.
Face / Antenna: Fixed
Mode : LMR / Channel: F3 (469.975 MHz)
Conducted Power : 3.57 W
Liquid Temperature: 21.5°C
Date Tested : November 24 , 2004



HL-10U1

SAM I Phantom; Flat Section; Position: (90°,90°); Frequency: 450 MHz
Probe: ET3DV6 - SN1609; ConvF(7.40,7.40,7.40); Crest factor: 1.0; Body 450 MHz: $s = 0.94$
 mho/m , $\epsilon_r = 54.9$, $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 5.12 mW/g, SAR (10g): 3.67 mW/g
Cube 5x5x7; Dx = 8.0, Dy = 8.0, Dz = 5.0

Comment:
FCC ID : QREHL-10U1 / MODEL: HL-10U1
Company : Headline I&C Ltd.
Body / Antenna: Fixed
Mode : LMR / Channel: F1 (406.025 MHz)
Conducted Power : 3.62 W
Liquid Temperature: 21.5°C
Date Tested : November 24 , 2004

