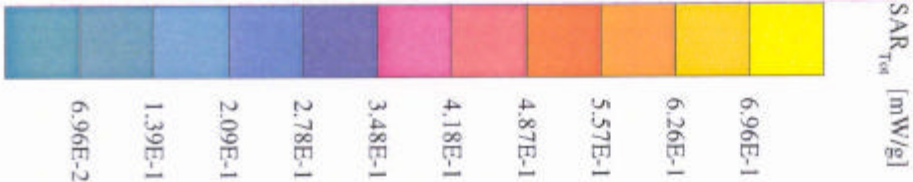


PY71021012

SAM 4 Phantom; Flat Section; Position: (90°,270°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900; $\sigma = 1.50$ mho/m $\epsilon_r = 48.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.634 mW/g; SAR (10g): 0.356 mW/g; (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.15 dB
Phone:s/nCB500LP146 & PY71021012;1850MHz(ch512), Flat Phantom Position.Back phone
in the belt holder(KRY104157R1A) ;Phone(90/270°) Position, Output Power=29.29dBm,
Norm.Power=29.3dBm;Room's temprature 25.2 ; Liquid's temprature 22.6; 030916



PY71021012

SAM 4 Phantom; Flat Section; Position: (90°,270°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900; $\sigma = 1.50 \text{ mho/m}$ $\epsilon_r = 48.7$ $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7; SAR (1g): 0.629 mW/g, SAR (10g): 0.353 mW/g. (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrit: -0.14 dB
Phone:s/nCB500L P146 & PY71021012;1850MHz(ch512), Flat Phantom Position,Back phone
in the belt holder(KRY104157R1A):Phone(90/270°) Position:Output Power=29.29dBm,
Bluetooth ON;Norm.Power=29.3dBm;Room's temperature 25.2 ; Liquid's temperature 22.6; 030916



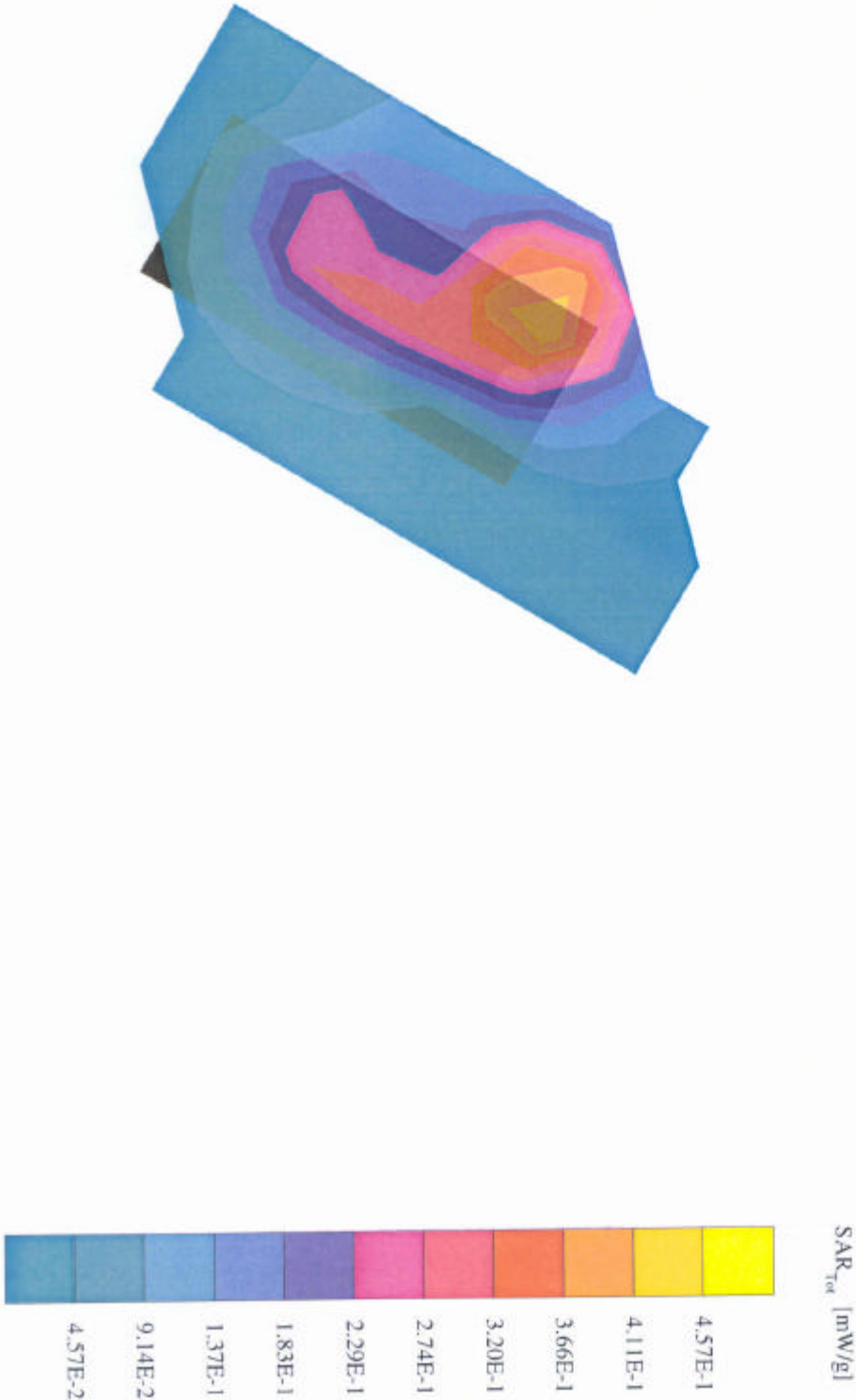
PY71021012

SAM 4 Phantom; Flat Section; Position: (90°;270°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900: $\sigma = 1.50$ mho/m $\epsilon_r = 48.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0730 mW/g; SAR (10g): 0.0447 mW/g; (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.12 dB
Phone:s/nCB500L.P146 & PY71021012;1850MHz(ch512), Flat Phantom Position;Front phone
in the belt holder(KRY104157R1A);Phone(90/270°) Position;Output Power=29.29dBm,
Norm.Power=29.3dBm;Room's temperature 25.2 ; Liquid's temperature 22.5; 030916



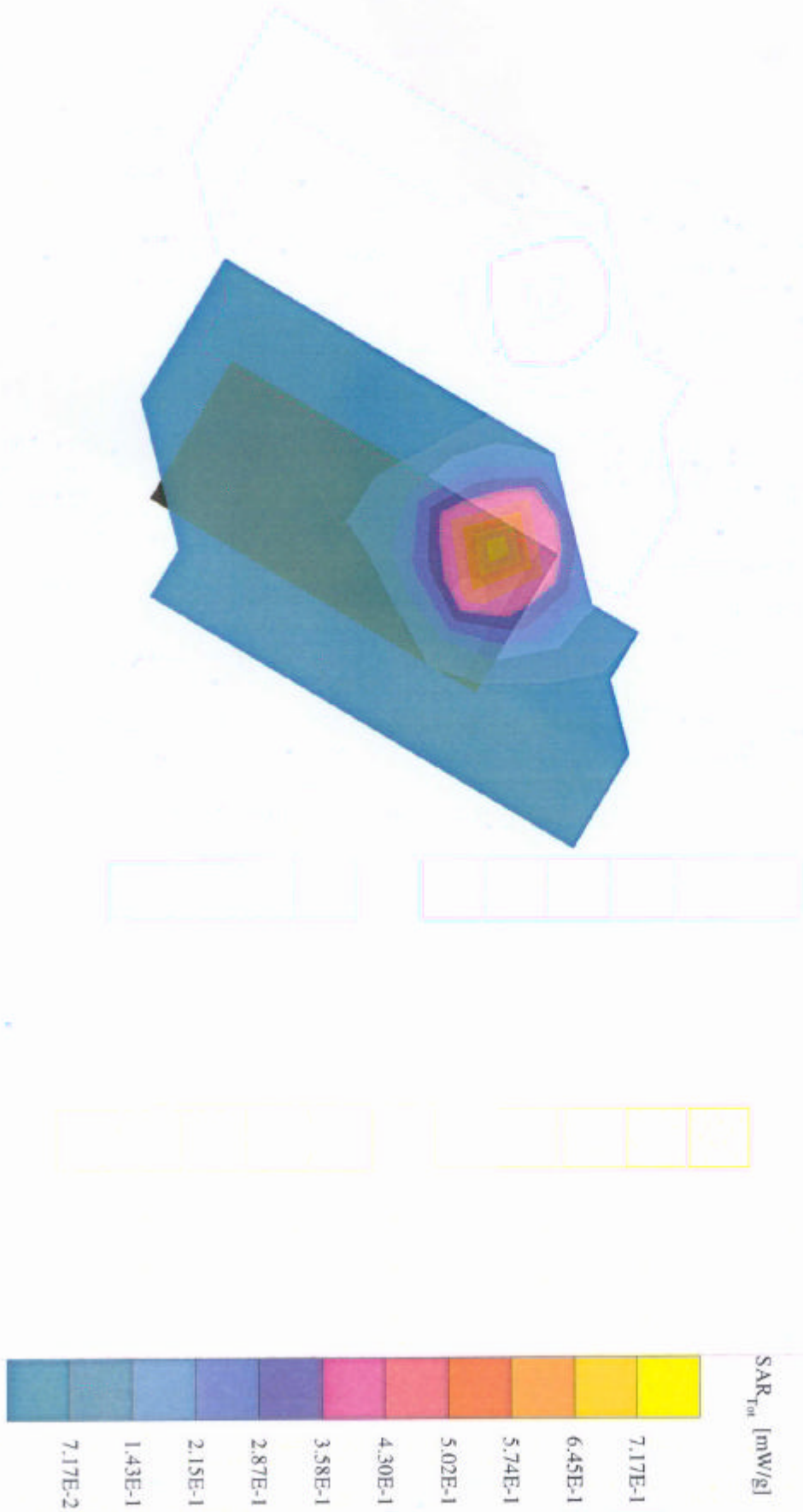
PY71021012

SAM 4 Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1850 MHz
Probe: ET3DV6 - SNI582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.440 mW/g; SAR (10g): 0.251 mW/g; (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.01 dB
Phone:s/nCB500LP146 & PY71021012;1850MHz(ch512); Left Hand Side,Cheek(90°)
Phone Position, meas. Power=29.29dBmNorm.Power=29.3dBm;Room's temprature 25.2c ;
Liquid's temprature 22.6c; 030915



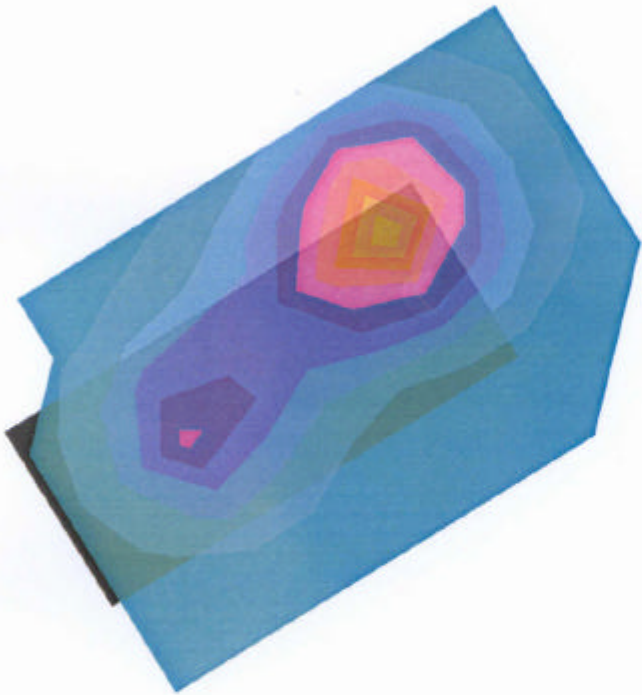
PY71021012

SAM 4 Phantom; Left Hand Section; Position: (105°,59°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.619 mW/g; SAR (10g): 0.351 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.04 dB
Phone:s/nCB500LP146 & PY71021012;1850MHz(ch512): Left Hand Side, Tilt(105°) Phone
Position, Output Power=29.29dBm;Norm.Power=29.3dBm;Room's temperature 25.2c ;
Liquid's temprature 22.8c; 030915



PY71021012

SAM 4 Phantom; Righ Hand Section; Position: (90°,301°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30,5,30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47 \text{ mho/m}$, $\epsilon_r = 38.0$, $\rho = 1.00 \text{ g/cm}^3$
Cube 5x5x7: SAR (1g): 0.754 mW/g; SAR (10g): 0.407 mW/g; (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.13 dB
Phone:s/nCB500L,P146 & PY71021012;1850MHz(ch512); Right Hand Side,Cheek(90°)
Phone Position;OutputPower=29,29dBm;Norm.Power=29,3dBm;Room's temperature 25.2c ;
Liquid's temperature 22.6c; 030915

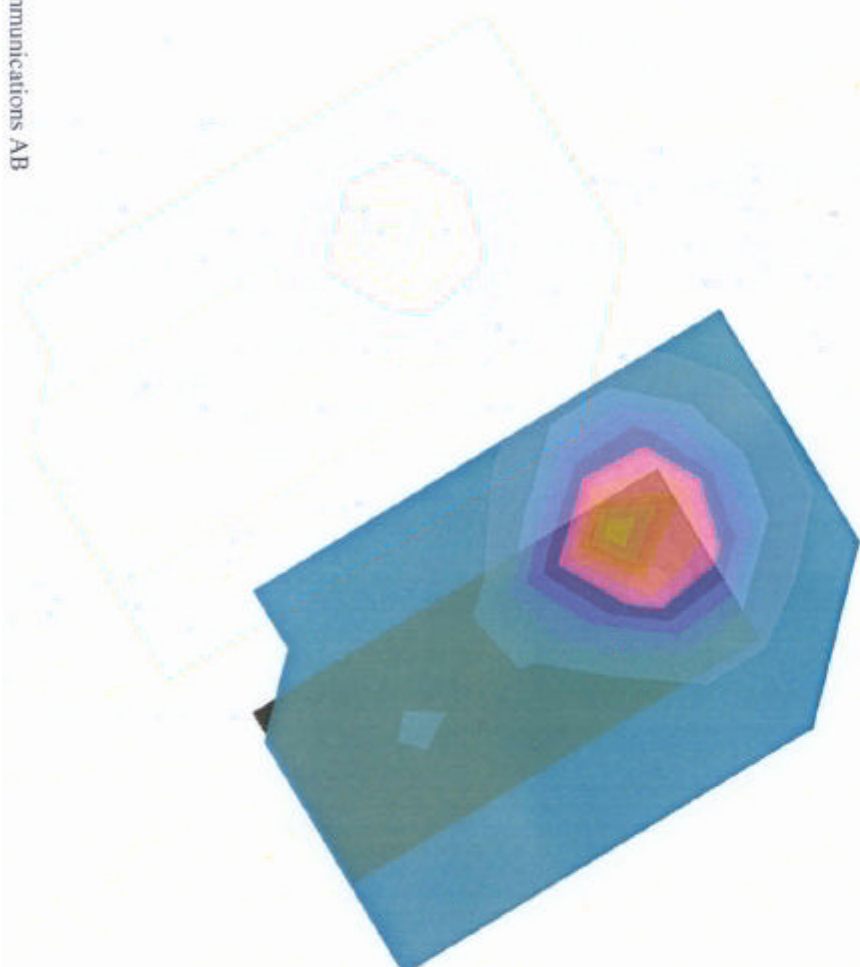


SAR_{Tot} [mW/g]



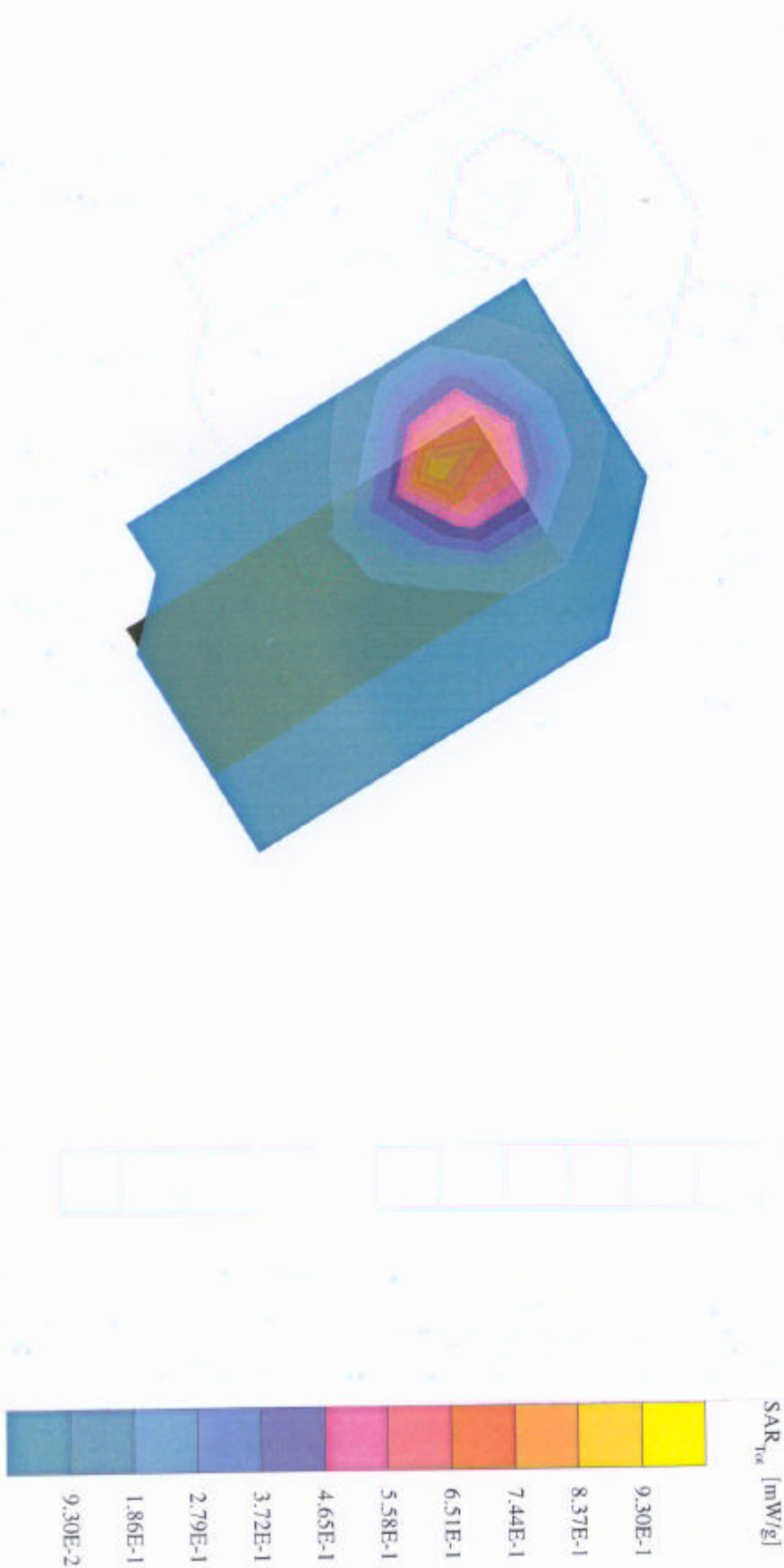
PY71021012

SAM 4 Phantom; Righ Hand Section; Position: (105°,301°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30,5,30); Crest factor: 8,0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.771 mW/g, SAR (10g): 0.428 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.13 dB
Phone:s/nCB500L/P146 & PY71021012;1850MHz(ch512); Right Hand Side,Tilt(105°) Phone
Position,Output Power=29,29dBm;Norm.Power=29,3dBm;Room's temprature 25,2c ;
Liquid's temprature 22,5c; 030915



PY71021012

SAM 4 Phantom; Right Hand Section; Position: (105°,301°); Frequency: 1850 MHz
Probe: ET3DV6 - SN1582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/cm $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.833 mW/g; SAR (10g): 0.451 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.04 dB
Phone:s/mCB500LP146 & PY71021012;1850MHz(ch512); Right Hand Side,Tilt(105°) Phone
Position,Output Power=29.29dBm;Norm.Power=29.3dBm;Room's temprature 25.2c ;
Liquid's temprature 22.8c;Bluetooth is ON ; 030915



PY71021012

SAM 4 Phantom; Flat Section; Position: (90°,270°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900: $\sigma = 1.50$ mho/m $\epsilon_r = 48.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.354 mW/g, SAR (10g): 0.202 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.05 dB
Phone:s/nCB500LP146 & PY71021012;1880MHz(ch661), Flat Phantom Position,Back phone
in the belt holder(KRY104157R1A) :Phone(90/270°) Position, Output Power=29.15dBm,
Norm.Power=29.3dBm;Room's temprature 25.2c ; Liquid's temprature 22.6c; 030916



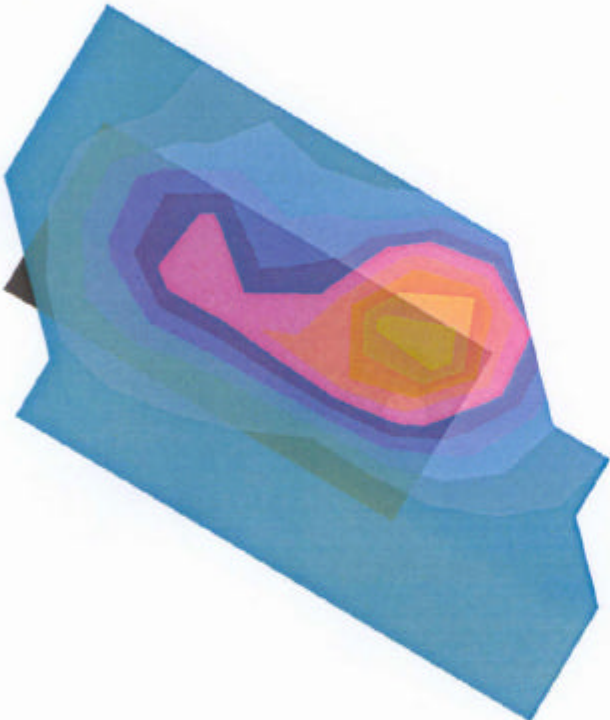
PY71021012

SAM 4 Phantom: Flat Section; Position: (90° 270°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscfe 1900; $\sigma = 1.50$ mho/m $\epsilon_r = 48.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.0580 mW/g; SAR (10g): 0.0352 mW/g; (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB
Phone:s/nCB500LP146 & PY71021012;1880MHz/ch661). Flat Phantom Position;Front phone
in the belt holder(KRY104157R1A);Phone(90/270°) Position;Output Power=29.15dBm,
Norm.Power=29.3dBm;Room's temperature 25.2 ; Liquid's temperature 22.5; 030916



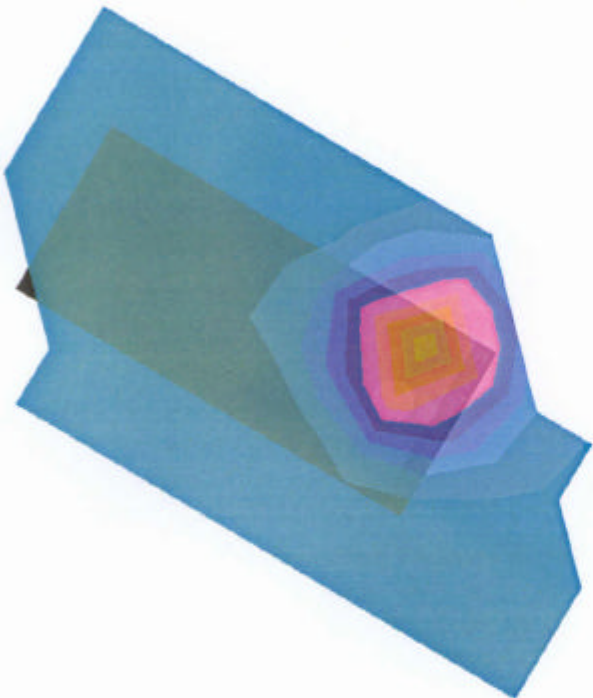
PY71021012

SAM 4 Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.370 mW/g, SAR (10g): 0.206 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.07 dB
Phone:s/nCB500LP146 & PY71021012;1880MHz(ch661). Left Hand Side,Cheek(90.°)
Phone Position, Output Power=29.15dBm, Norm.Power=29.3dBm;Room's temprature 25.2c ;
Liquid's temprature 22.6c; 030915



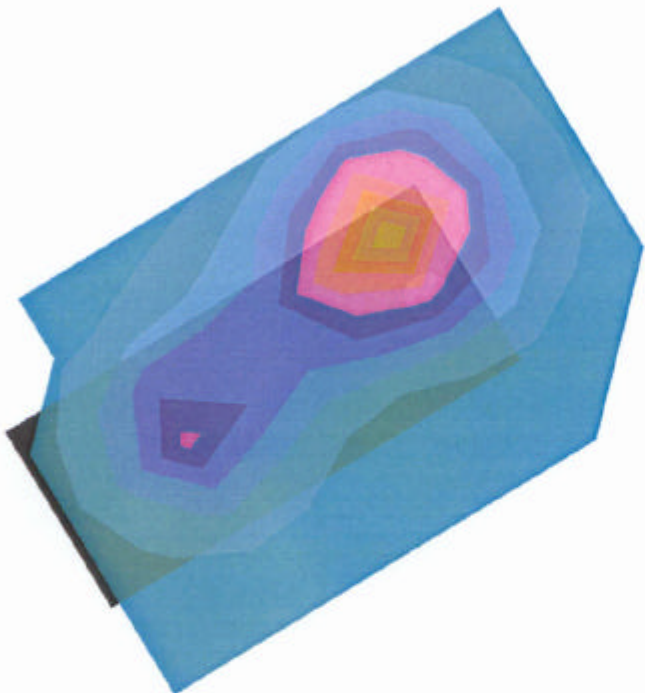
PY71021012

SAM 4 Phantom; Left Hand Section; Position: (105°,59°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30,5,30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.496 mW/g, SAR (10g): 0.273 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.05 dB
Phone:s/nCB500LP146 & PY71021012:1880MHz(ch661), Left Hand Side,Tilt(105°) Phone
Position, Output Power=29,15dBm, Norm.Power=29,3dBm;Room's temperature 25,2c ;
Liquid's temperature 22,9c; 030915



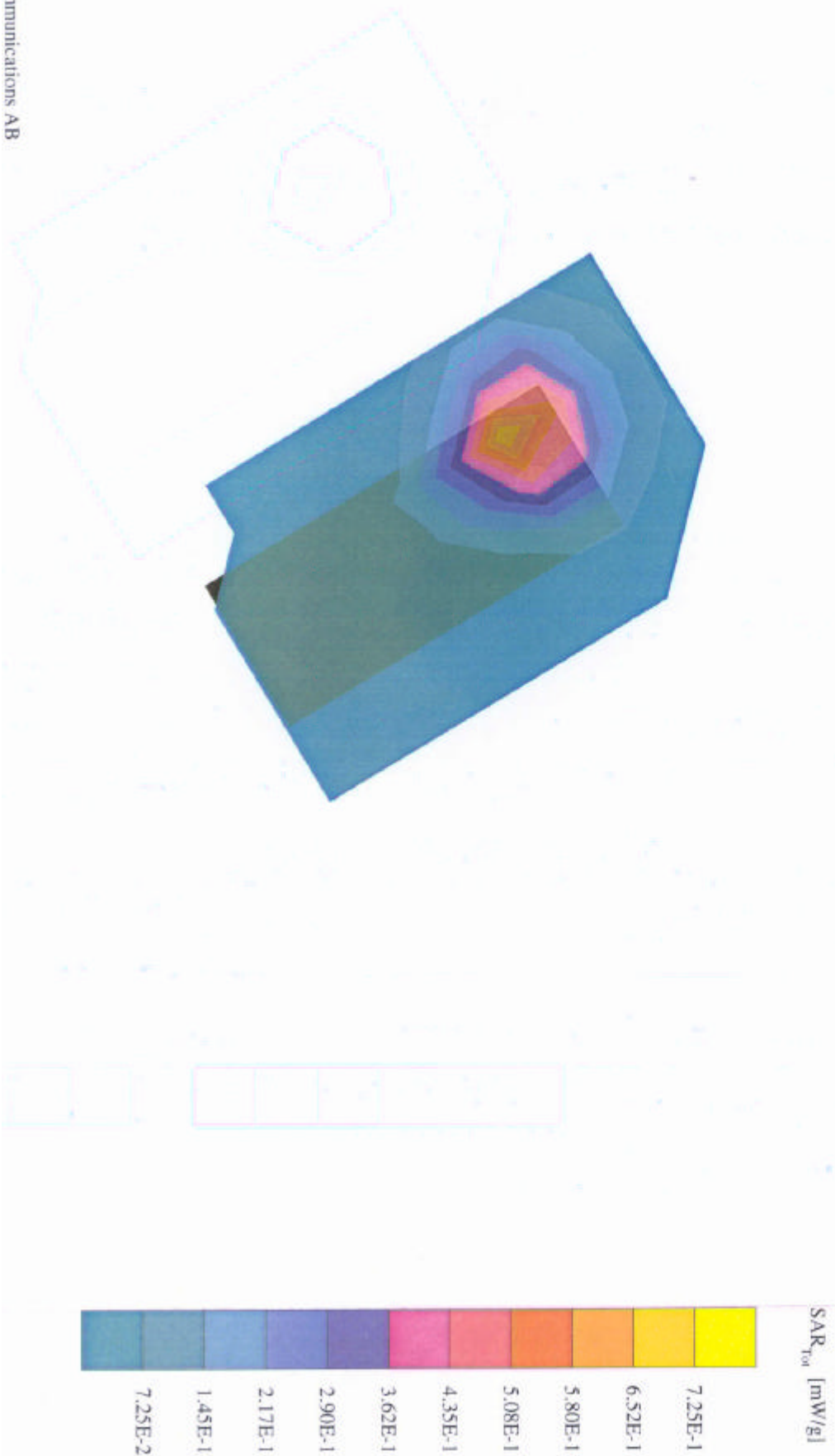
PY71021012

SAM 4 Phantom; Righ Hand Section; Position: (90°,301°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.507 mW/g, SAR (10g): 0.274 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrit: 0.02 dB
Phone:s/CB500LP146 & PY71021012; 1880MHz(ch661),Right Hand Side,Cheek(90°)
Phone Position;Output Power=29.15dBm, Norm.Power=29.3dBm;Room's temperature 25.2c ;
Liquid's temperature 22.5c; 030915



PY71021012

SAM 4 Phantom; Righ Hand Section; Position: (105°,301°); Frequency: 1880 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.631 mW/g, SAR (10g): 0.340 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.01 dB
Phone:s/nCB500LP146 & PY71021012; 1880MHz/ch661). Right Hand Side,Tilt(105°) Phone
Position,Output Power=29.15dBm, Norm.Power=29.3dBm;Room's temprature 25.2c ;
Liquid's temprature 22.8c; 030915



Dipole 1900 MHz

SAM 4 Phantom; Flat Section; Position: (90° 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 1.0; Muscle 1900: $\sigma = 1.50 \text{ mho/m}$, $\epsilon_r = 48.7$, $\rho = 1.00 \text{ g/cm}^3$
Cubes (2): SAR (1g): $4.35 \text{ mW/g} \pm 0.01 \text{ dB}$, SAR (10g): $2.25 \text{ mW/g} \pm 0.01 \text{ dB}$, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.03 dB
P=100mW, d=10mm, 1900MHz dipol D1900V2 s/n 5d002
Target values: 1g mass 43.2 mW/g , 10g mass 22.4 mW/g
Measured values: 1g mass $43.5 \text{ mW/g}(+0.7\%)$, 10g mass $22.5 \text{ mW/g}(+0.5\%)$
BODY LIQUIDS Temperature 22.5 C



Dipole 1900 MHz

SAM 4 Phantom; Flat Section; Position: (90° 90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30); Crest factor: 1.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cubes (2): SAR (1g): 4.46 mW/g ± 0.01 dB, SAR (10g): 2.27 mW/g ± 0.01 dB, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB
P=100mW, d=10mm, 1900MHz dipol D1900V2 s/n 5d002
Target values: 1g mass 41.6 mW/g, 10g mass 21.5 mW/g
Measured values: 1g mass 44.6 mW/g(+7.2%), 10g mass 22.7 mW/g(+5.6%)



PY71021012

SAM 4 Phantom; Flat Section; Position: (90° 270°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900: $\sigma = 1.50 \text{ mho/m}$ $\epsilon_r = 48.7$ $\rho = 1.00 \text{ g/cm}^3$
Cubes (2): SAR (1g): $0.267 \text{ mW/g} \pm 0.11 \text{ dB}$, SAR (10g): $0.151 \text{ mW/g} \pm 0.08 \text{ dB}$, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.07 dB
Phone:s/nCB500L.P146 &PY71021012.1910MHz(ch810), Flat Phantom Position,Back phone
in the Beltholder KRY104157R1A (90/270°) Phone Position,Output Power=29.20dBm,
Norm.Power=29.3dBm;Room's temperature 25.7c and liquid's temperature 22.6c; 030916



SAR_{10g} [mW/g]



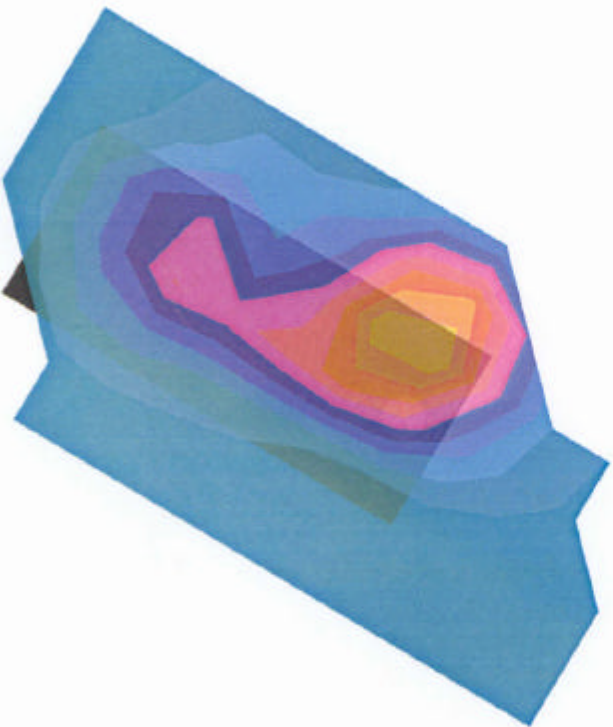
PY71021012

SAM 4 Phantom; Flat Section; Position: (90°,270°); Frequency: 1910 MHz
Probe: ET3DY6 - SN1582; Conv(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900: $\sigma = 1.50$ mho/m $\epsilon_r = 48.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.0467 mW/g, SAR (10g): 0.0283 mW/g, (Worst-case extrapolation)
Coarse: Dx = 10.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.03 dB
Phone:s/nCB500LP146 & PY71021012:1910MHz(ch810), Flat Phantom Position;Front phone
in the belt holder(KRY104157R1A);Phone(90/270°) Position;Output Power=29.20dBm,
Norm.Power=29.3dBm;Room's temperature 25.2c ; Liquid's temperature 22.5c; 030916



PY71021012

SAM 4 Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30,5,30); Crest factor: 8,0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.269 mW/g, SAR (10g): 0.151 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.03 dB
Phone:s/nCB500LP146 & PY71021012;1910MHz(ch810). Left Hand Side,Cheek(90.°)
Phone Position, meas. Power=29,20dBm,Norm.Power=29,3dBm;Room's temperature 25,2c ;
Liquid's temperature 22,6c; 030915

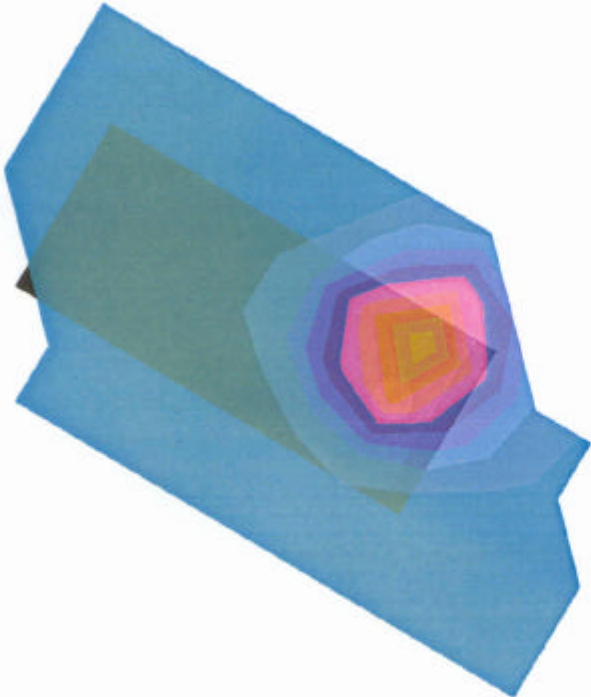


SAR_{tot} [mW/g]



PY71021012

SAM 4 Phantom; Left Hand Section; Position: (105°,59°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30,5,30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.337 mW/g, SAR (10g): 0.187 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.04 dB
Phone:s/nCB500LP146 & PY71021012;1910MHz(ch810),Left Hand Side,Tilt(105°) Phone
Position, Output Power=29.3dBm;Norm.Power=29.3dBm;Room's temperature 25.2c ;
Liquid's temperature 23.0c; 030915

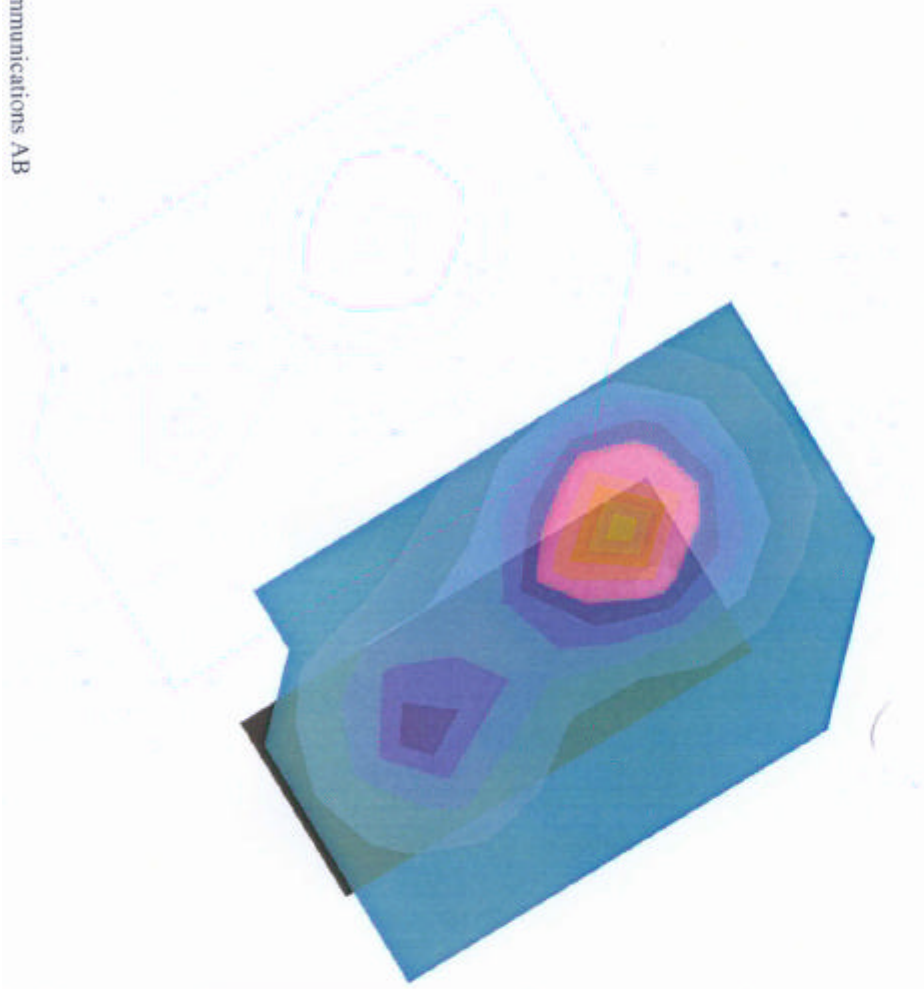


SAR_{Tot} [mW/g]



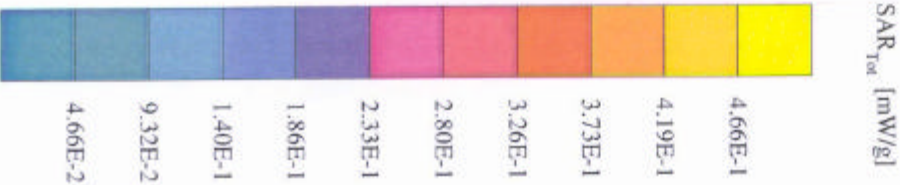
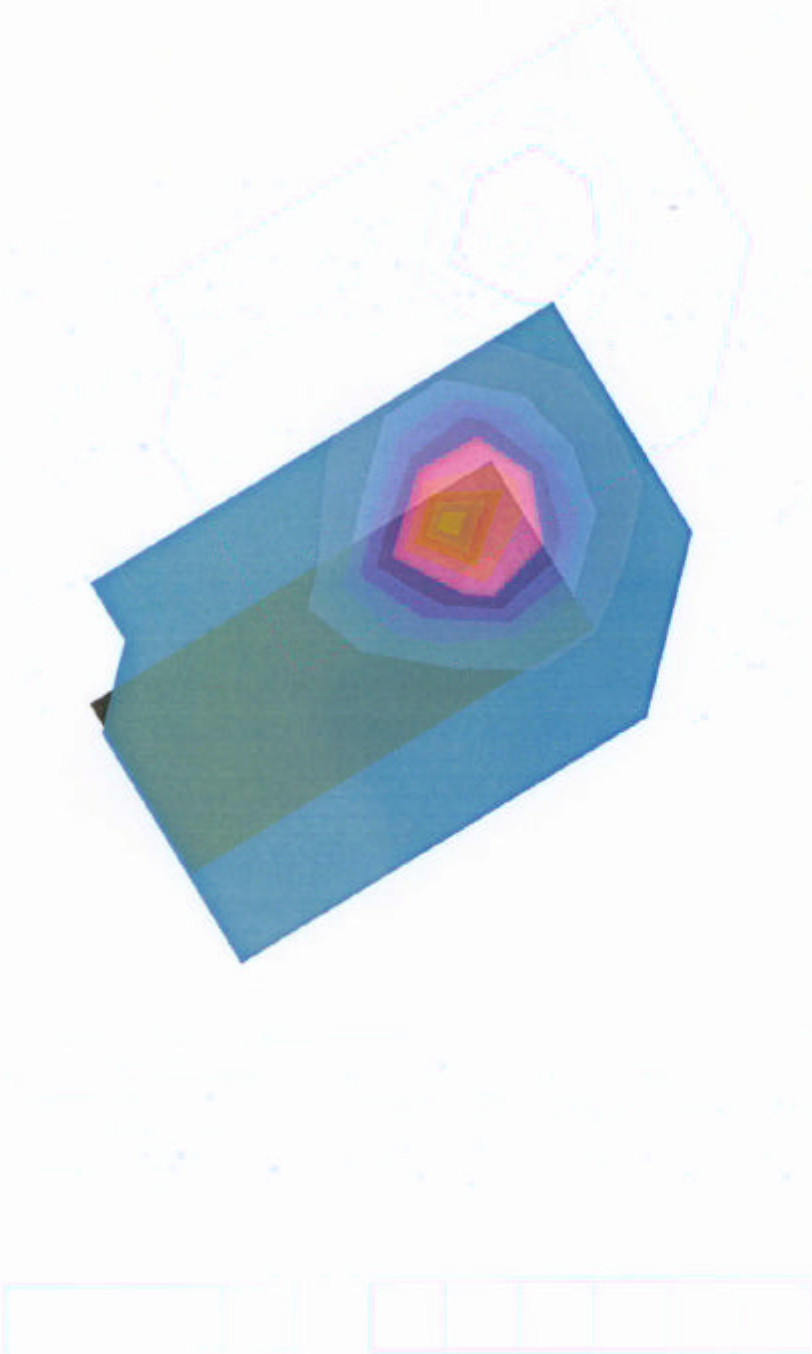
PY71021012

SAM 4 Phantom; Righ Hand Section; Position: (90°,301°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.363 mW/g, SAR (10g): 0.196 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.03 dB
Phone:s/nCB500LP146 & PY71021012;1910MHz(ch810), Right Hand Side,Cheek(90°)
Phone Position, Output Power=29.20dBm ; Norm.Power=29.3dBm;Room's temperature 25.2c ;
Liquids temperature 22.5c; 030915



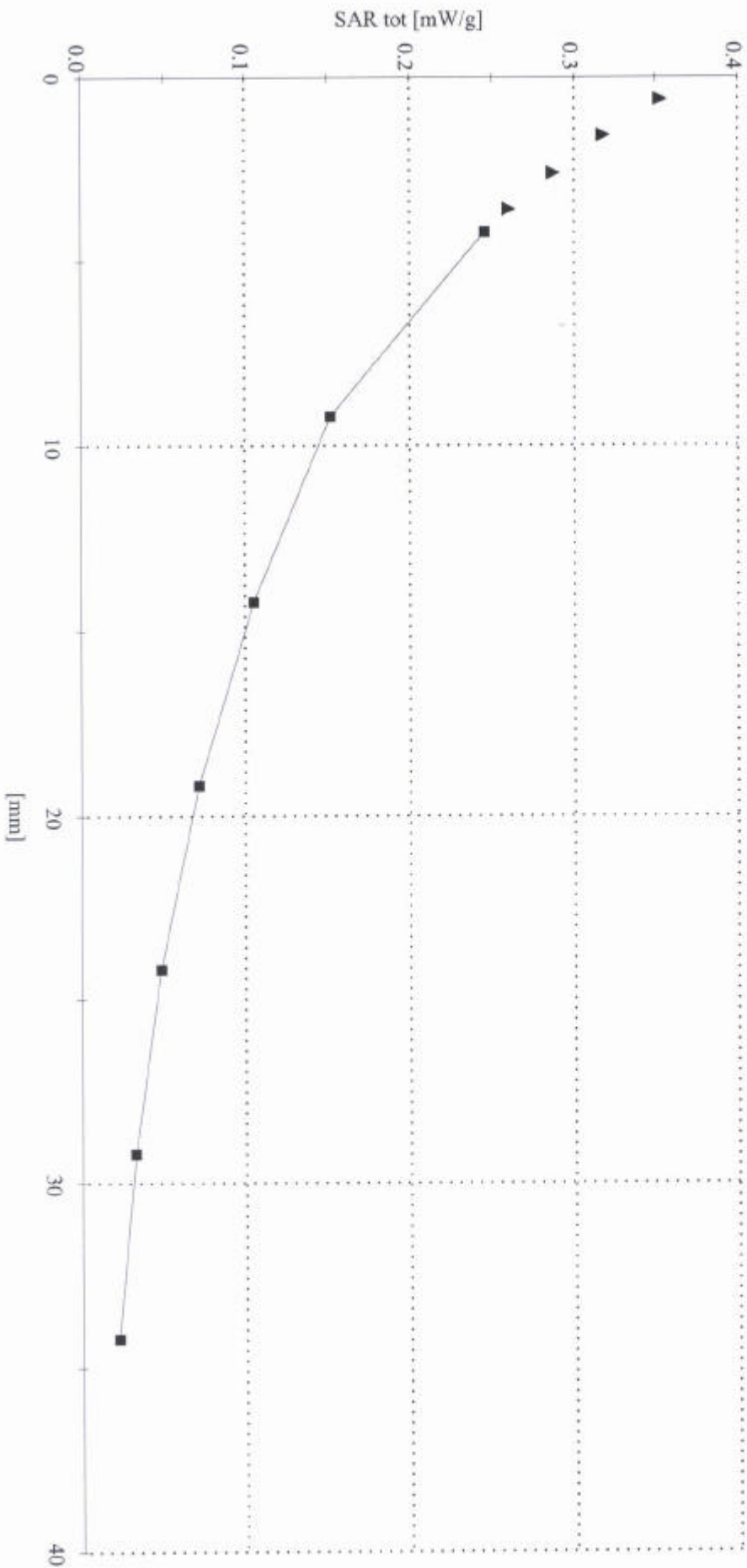
PY71021012

SAM 4 Phantom; Righ Hand Section; Position: (105°,301°); Frequency: 1910 MHz
Probe: ET3DV6 - SN1582; ConvF(5,30,5,30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³
Cube 5x5x7; SAR (1g): 0.396 mW/g; SAR (10g): 0.213 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.01 dB
Phone:s/rCB500LP146 & PY71021012;1910MHz(ch810), Right Hand Side,Tilt(105°) Phone
Position,Output Power=29.3dBm; Norm.Power=29.3dBm;Room's temperature 25.2c ;
Liquid's temperature 22.5c; 030915



PY71021012

SAM 4 Phantom; Flat Section; Position: (90°,270°); Frequency: 1850 MHz
Probe: ET3DY6 - SN1582; ConvF(5.00,5.00,5.00); Crest factor: 8.0; Muscle 1900: $\sigma = 1.50$ mho/m $\epsilon_r = 48.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.634 mW/g, SAR (10g): 0.356 mW/g. (Worst-case extrapolation)
Cube 5x5x7: Dx = 8.0, Dy = 8.0, Dz = 5.0



PY71021012

SAM 4 Phantom; Right Hand Section; Position: (105°,301°); Frequency: 1850 MHz

Probe: ET3DV6 - SN1582; ConvF(5.30,5.30,5.30); Crest factor: 8.0; Head 1900MHz: $\sigma = 1.47$ mho/m $\epsilon_r = 38.0$ $\rho = 1.00$ g/cm³

Cube 5x5x7: SAR (1g): 0.771 mW/g; SAR (10g): 0.428 mW/g; (Worst-case extrapolation)

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

