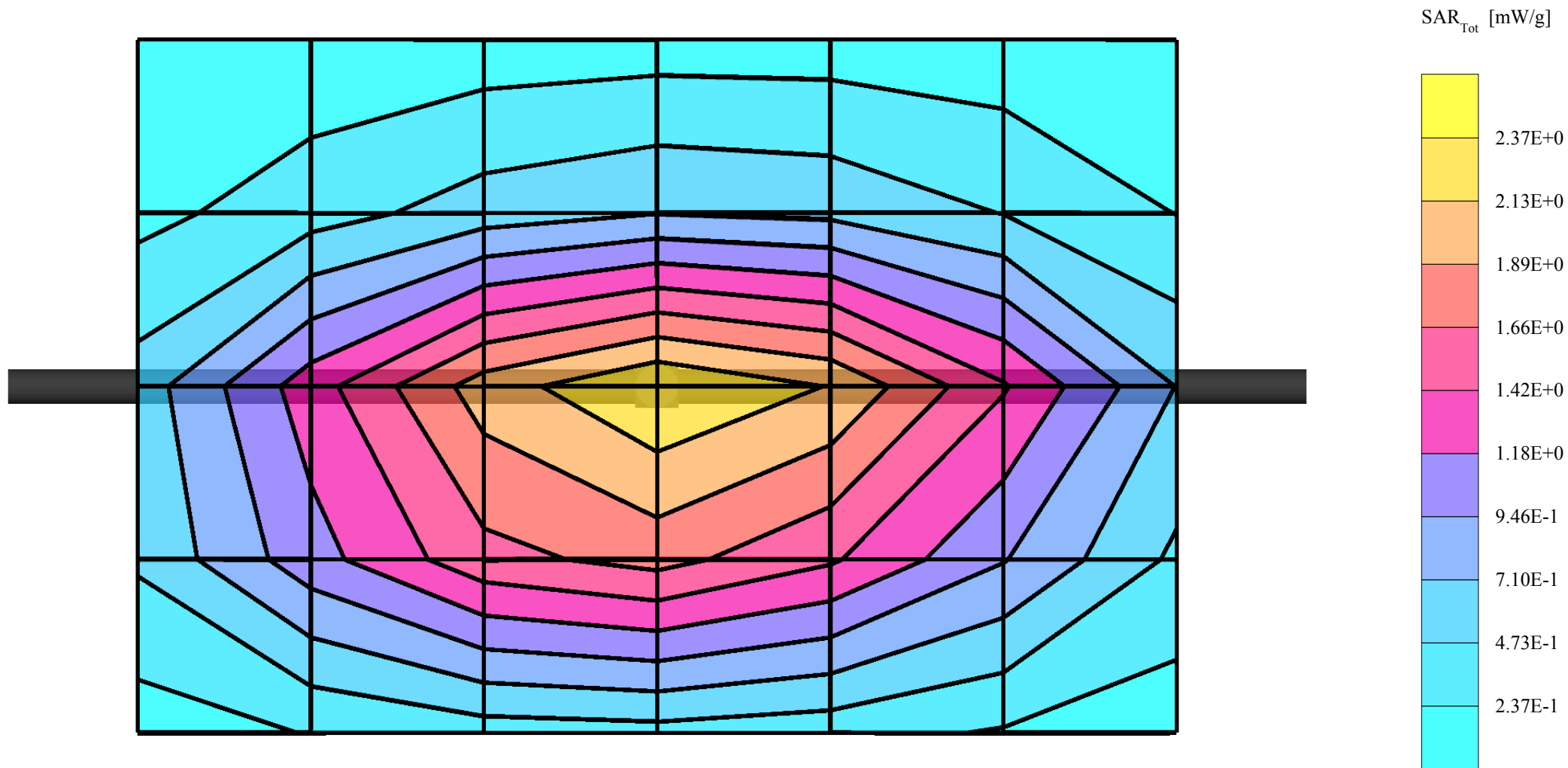


835MHz Dipole Validation

SAM(835MHz) Phantom; Flat Section; Probe: ET3DV6 - SN1702; ConvF(6.52,6.52,6.52);
Med. parameter 835 MHz Brain: $\sigma = 0.88$ mho/m $\epsilon_r = 40.3$ $\rho = 1.00$ g/cm³; Crest factor: 1.0;
SAR (1g): 2.43 mW/g, SAR (10g): 1.56 mW/g;

Dipole validation:
for $f < 1$ GHz, distance to the liquid $d = 15$ mm
for $f > 1$ GHz, distance to the liquid $d = 10$ mm
Test Date -- July 5, 2004



Dipole 1900 MHz

SAM(1800MHz) Phantom; Flat Section; Probe: ET3DV6 - SN1702; ConvF(5.21,5.21,5.21);

1900 MHz Head: $\sigma = 1.46$ mho/m $\epsilon_r = 38.5$ $\rho = 1.00$ g/cm³; Crest factor: 1.0;

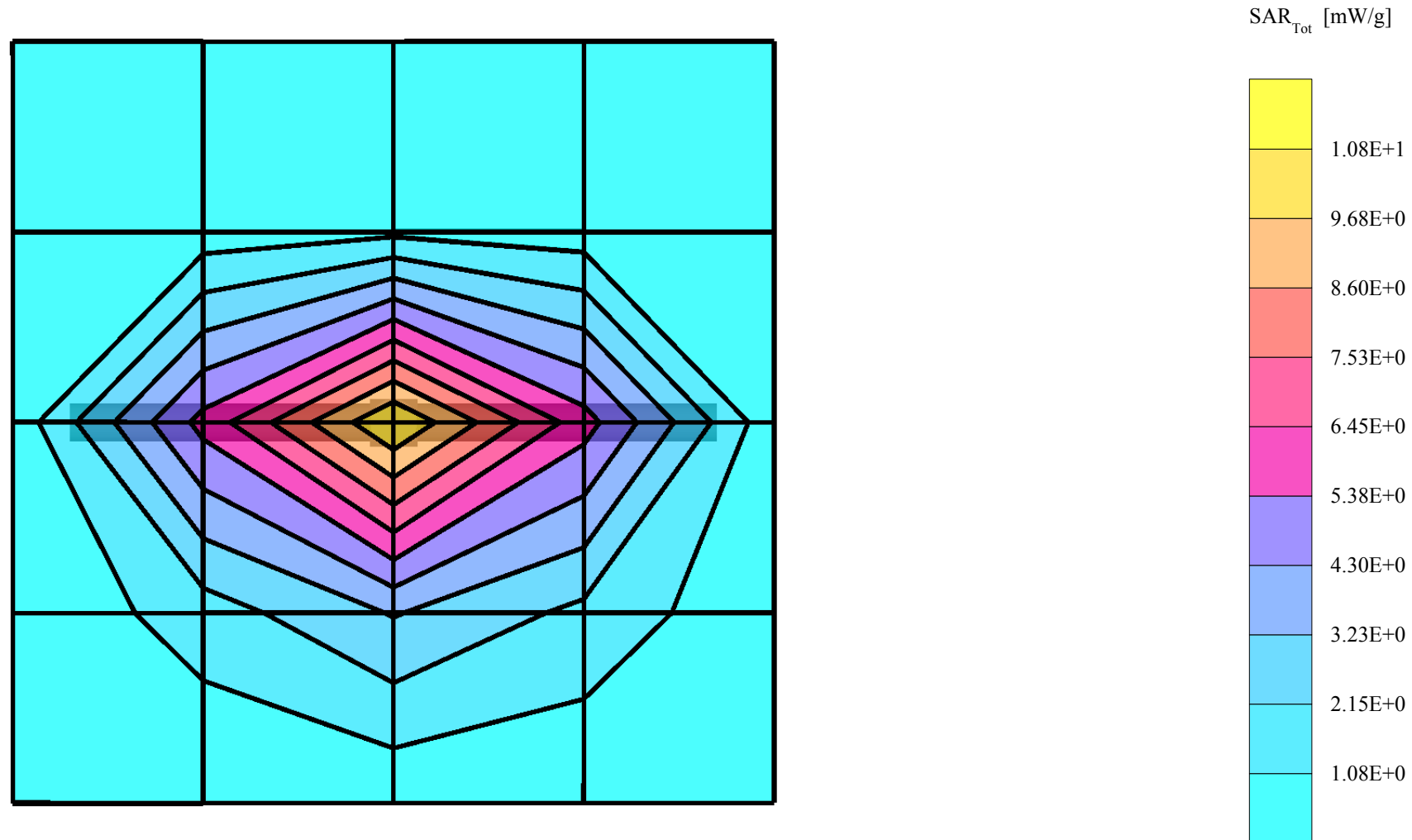
SAR (1g): 10.5 mW/g, SAR (10g): 5.34 mW/g;

Dipole validation:

for $f < 1$ GHz, distance to the liquid $d = 15$ mm

for $f > 1$ GHz, distance to the liquid $d = 10$ mm

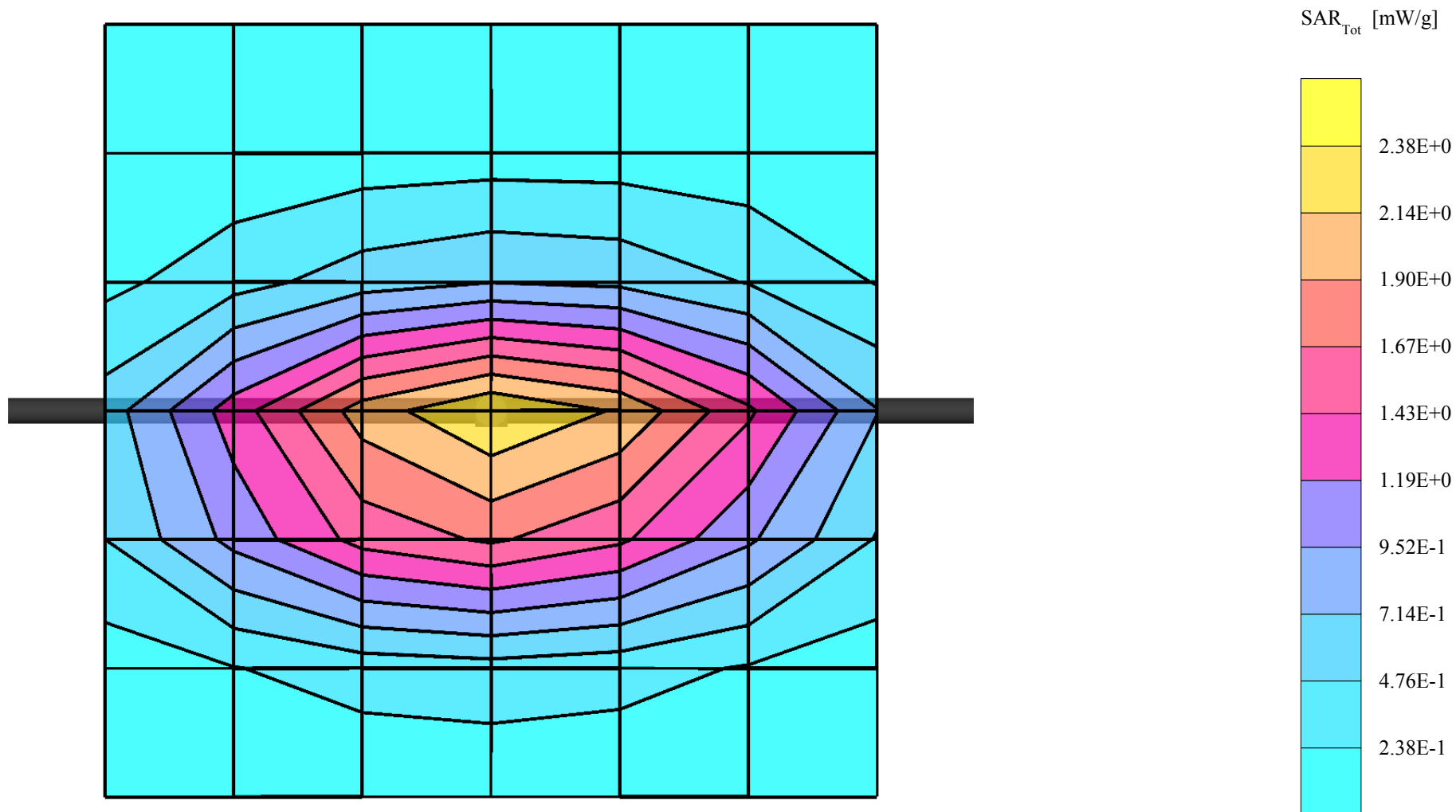
Test Date -- July 1, 2004



835MHz Dipole Validation

SAM(835MHz) Phantom; Flat Section; Probe: ET3DV6 - SN1702; ConvF(6.52,6.52,6.52);
Med. parameter 835 MHz Brain: $\sigma = 0.91$ mho/m $\epsilon_r = 41.5$ $\rho = 1.00$ g/cm³; Crest factor: 1.0;
SAR (1g): 2.42 mW/g, SAR (10g): 1.56 mW/g;

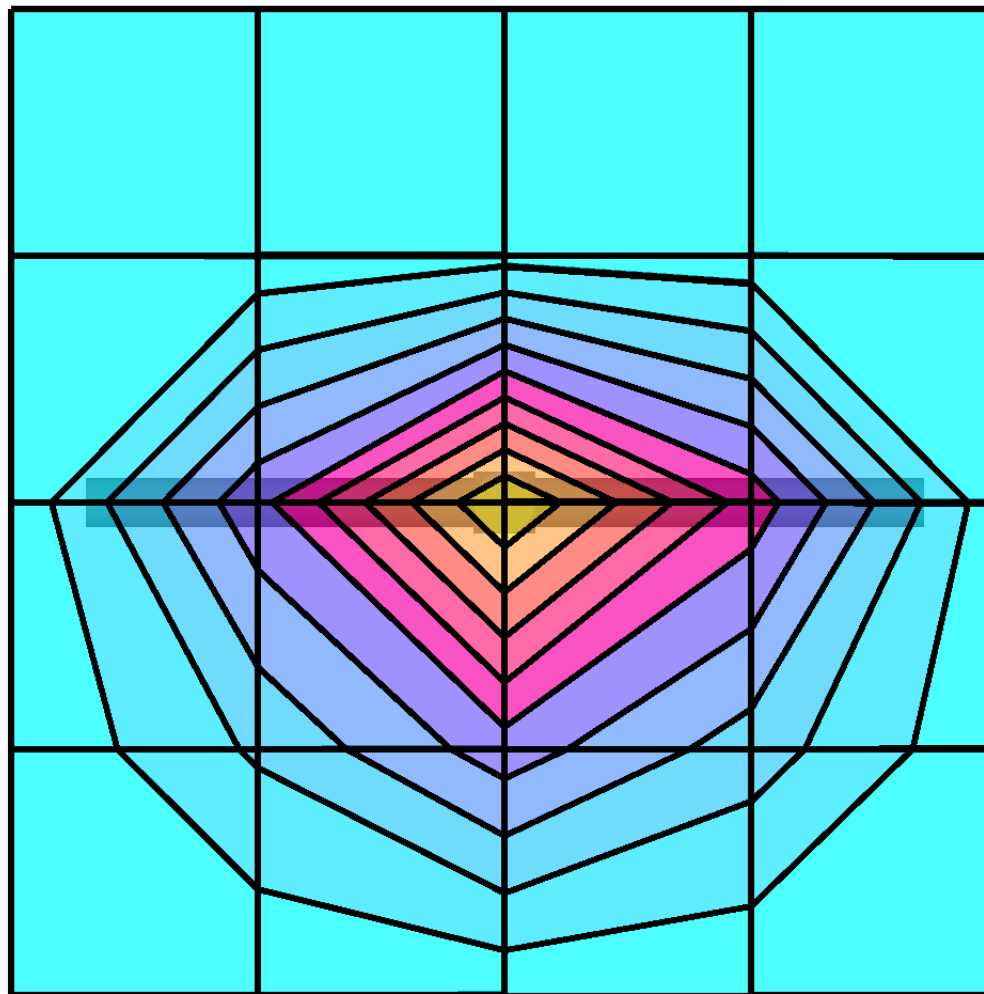
Dipole validation:
for $f < 1$ GHz, distance to the liquid $d = 15$ mm
for $f > 1$ GHz, distance to the liquid $d = 10$ mm
Test Date -- July 20, 2004



1900MHz Dipole Validation

SAM(1800MHz) Phantom; Flat Section; Probe: ET3DV6 - SN1702; ConvF(5.21,5.21,5.21);
Med. parameter 1900 MHz Head: $\sigma = 1.45$ mho/m $\epsilon_r = 38.6$ $\rho = 1.00$ g/cm³; Crest factor: 1.0;
SAR (1g): 10.2 mW/g, SAR (10g): 5.26 mW/g;

Dipole validation:
for $f < 1$ GHz, distance to the liquid $d = 15$ mm
for $f > 1$ GHz, distance to the liquid $d = 10$ mm
Test Date -- July 20, 2004



SAR_{Tot} [mW/g]

