

Appendix 9

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VERIFY WITH DIPOLE VALIDATION KITS

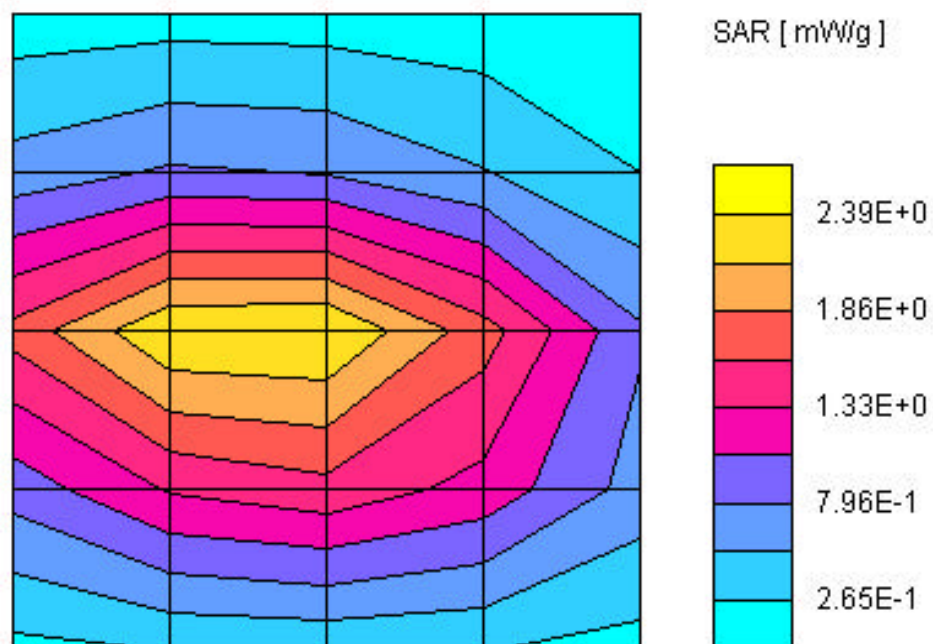
Validation Kit 900 MHz, SN: 003, d = 15 mm, f = 900 MHz, Pin = 250 mW, Generic Flat Phantom, Measured 2000-10-6/NMP

$$\sigma = 0.87 \text{ [mho/m]} \quad \epsilon_r = 44.1 \quad \rho = 1.00 \text{ [g/cm}^3\text{]}$$

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 2.39

SAR (1g): 2.45 [mW/g] SAR (10g): 1.60 [mW/g]



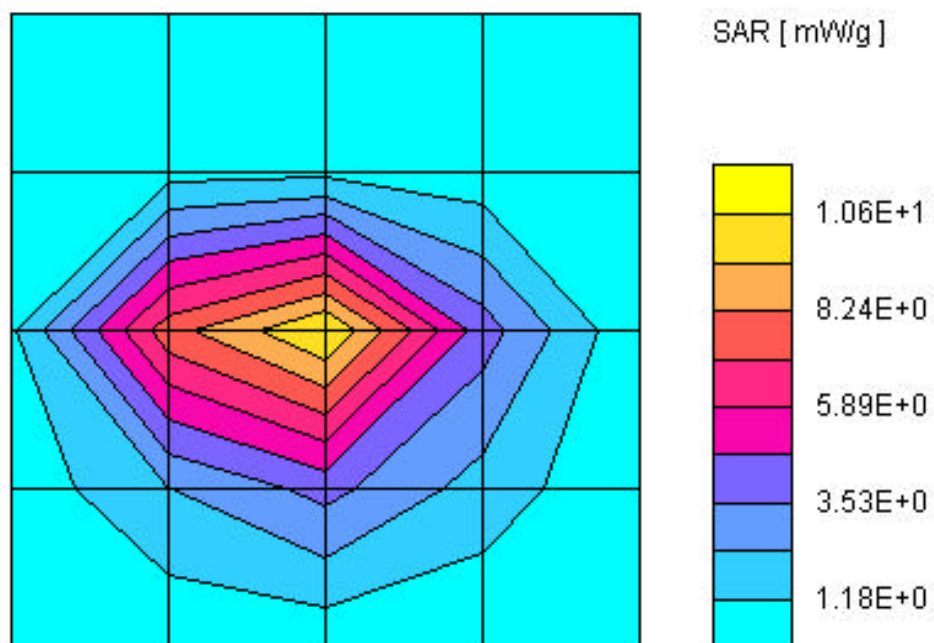
Validation Kit 1800 MHz, SN: 207, d = 10 mm, f = 1800 MHz, Pin = 250 mW, Generic Flat Phantom, Measured 2000-10-6/NMP

$$\sigma = 1.66 \text{ [mho/m]} \quad \epsilon_r = 42.4 \quad \rho = 1.00 \text{ [g/cm}^3\text{]}$$

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 10.60

SAR (1g): 10.3 [mW/g] SAR (10g): 5.24 [mW/g]



Appendix 10

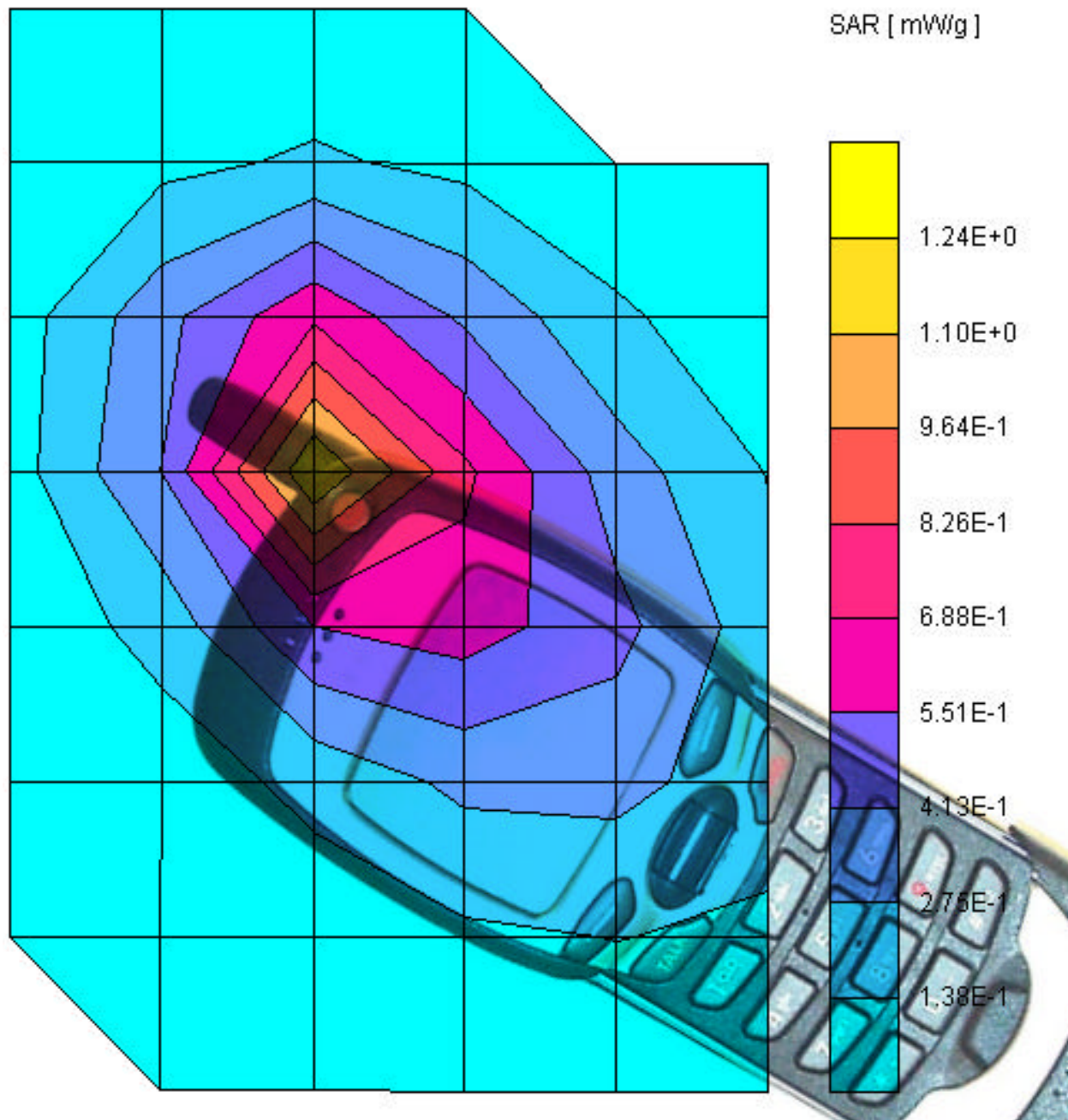
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SAR MEASUREMENT RESULTS

Meas 1

$\sigma = 0.79$ [mho/m] $\epsilon_r = 44.8$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]



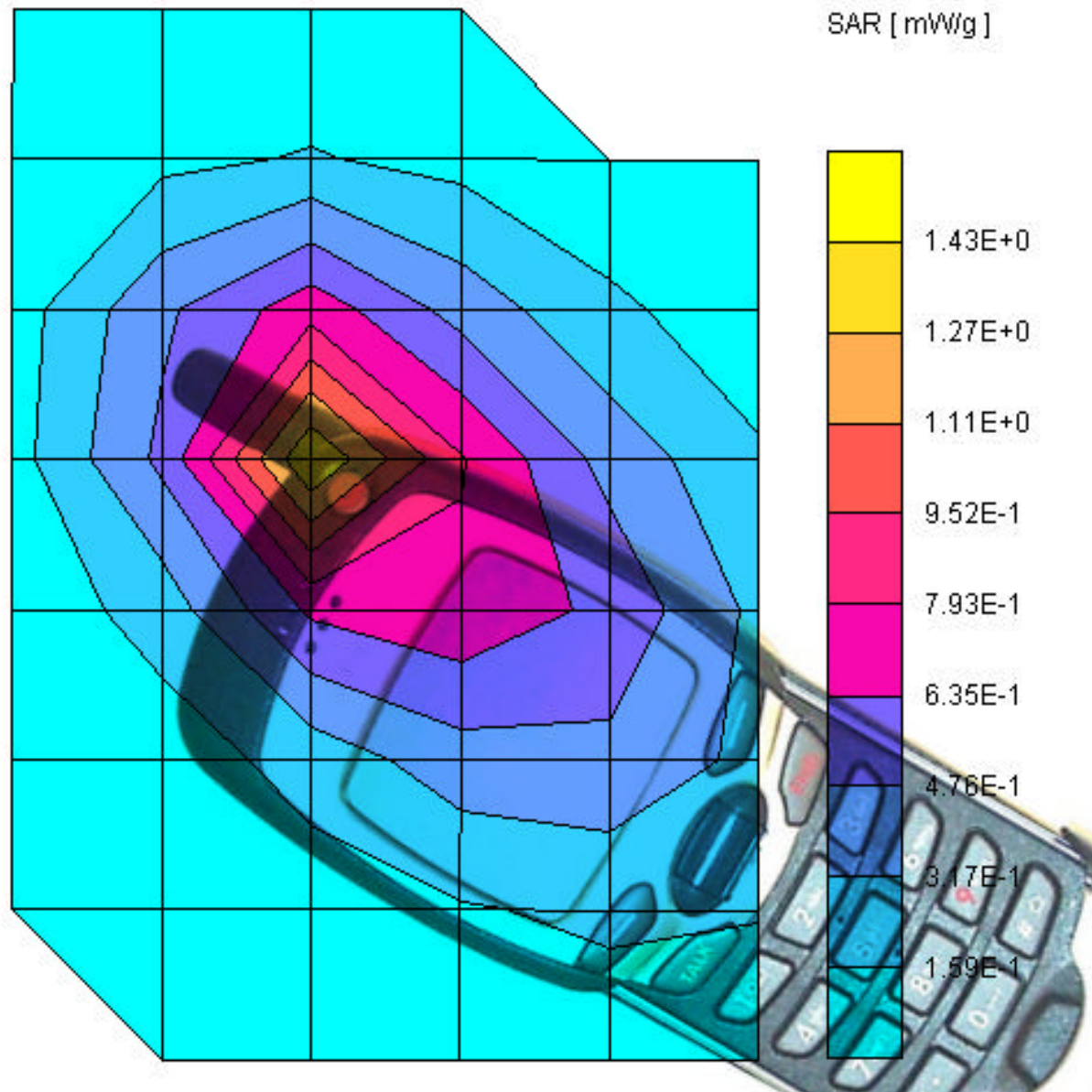
Meas 2

$\sigma = 0.80$ [mho/m] $\epsilon_r = 44.6$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 1.43

SAR (1g): 1.23 [mW/g] SAR (10g): 0.768 [mW/g]



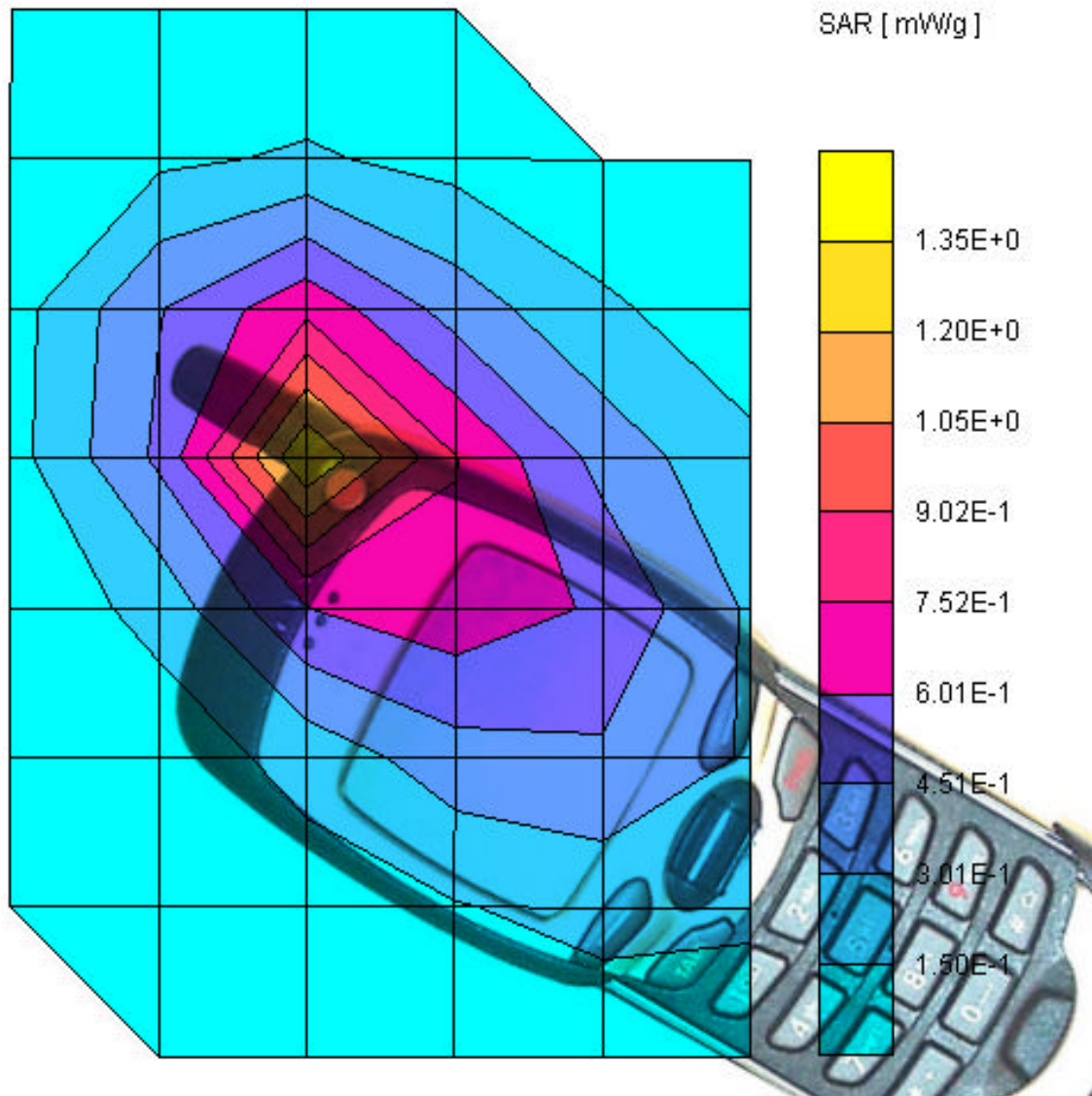
Meas 3

$\sigma = 0.82$ [mho/m] $\epsilon_r = 44.5$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 1.35

SAR (1g): 1.19 [mW/g] SAR (10g): 0.739 [mW/g]



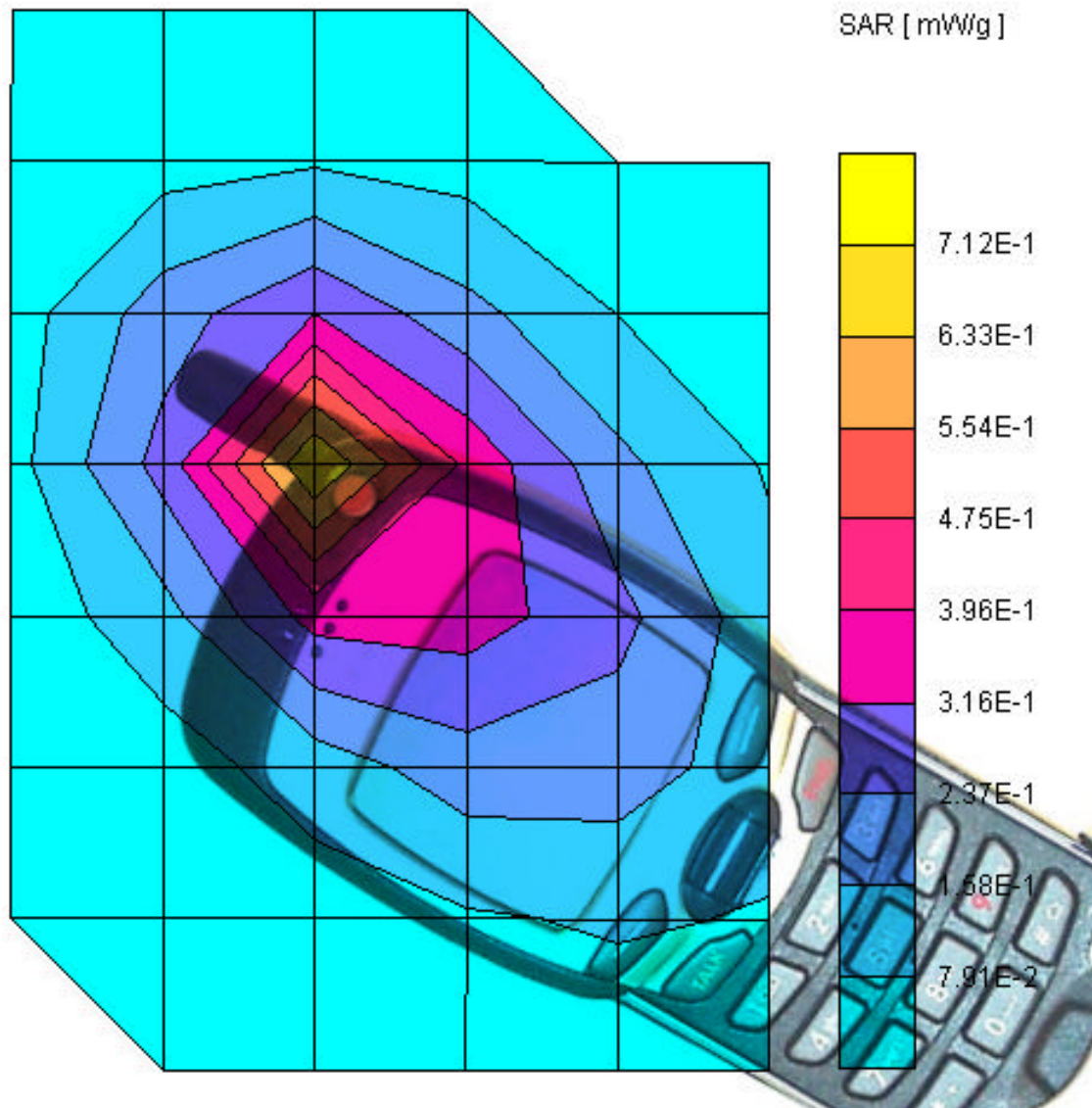
Meas 4

$\sigma = 0.79$ [mho/m] $\epsilon_r = 44.8$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.71

SAR (1g): 0.595 [mW/g] SAR (10g): 0.375 [mW/g]



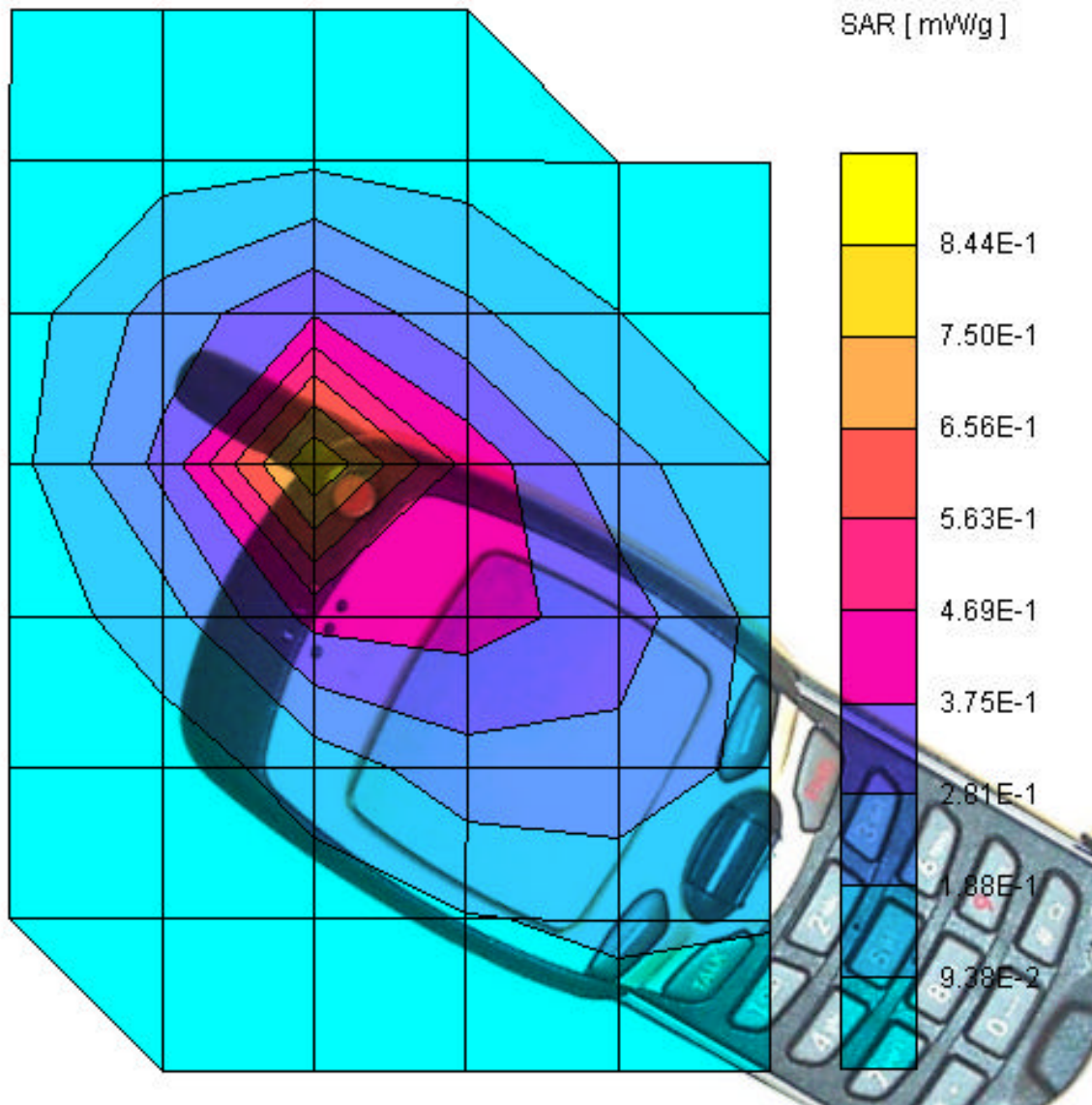
Meas 5

$\sigma = 0.80$ [mho/m] $\epsilon_r = 44.6$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.84

SAR (1g): 0.709 [mW/g] SAR (10g): 0.443 [mW/g]



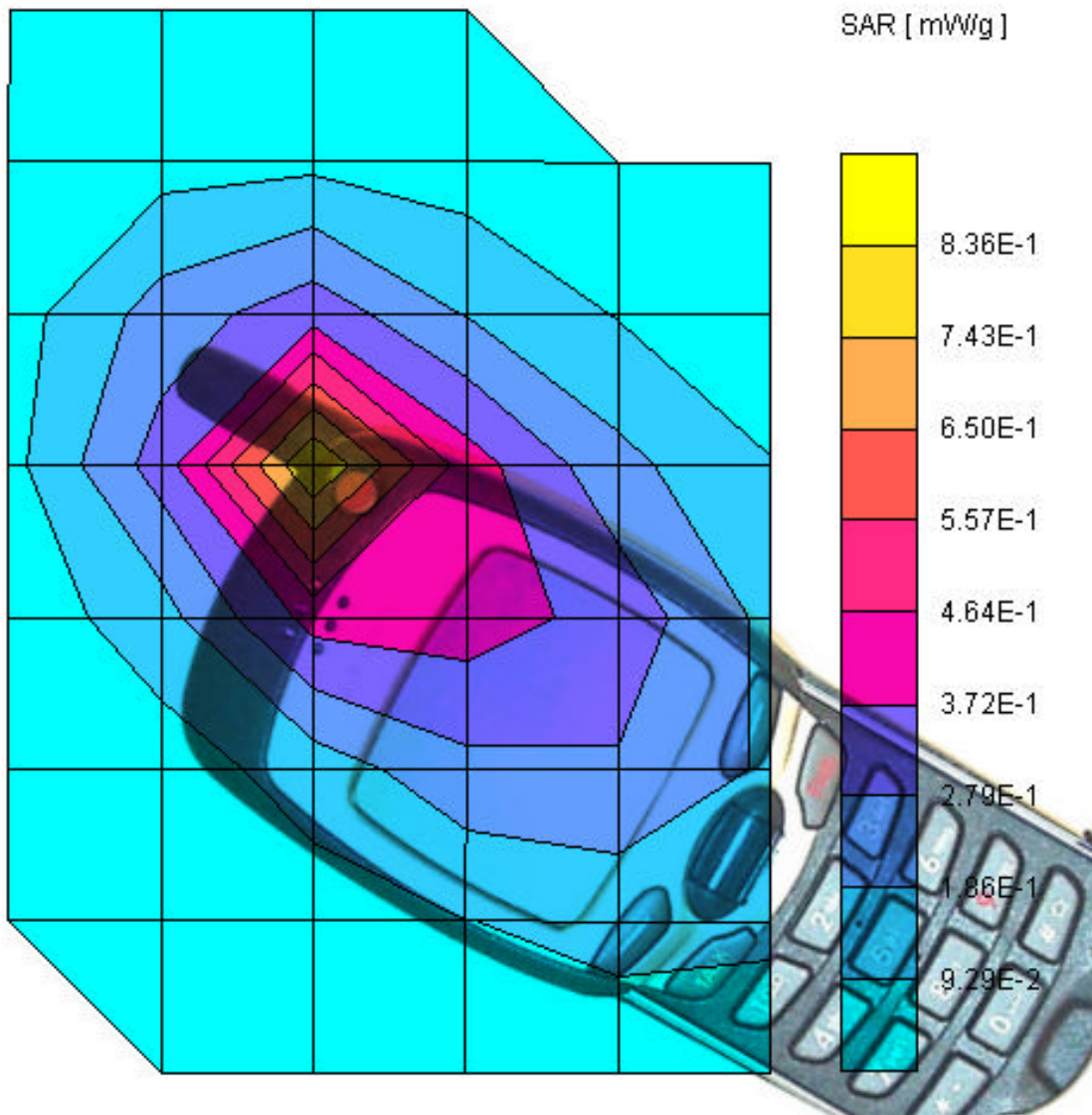
Meas 6

$\sigma = 0.82$ [mho/m] $\epsilon_r = 44.5$ $\rho = 1.00$ [g/cm³]

Coarse Grid $Dx = 20.0$ $Dy = 20.0$ $Dz = 5.0$ [mm]

SAR [mW/g] Max: 0.84

SAR (1g): 0.688 [mW/g] SAR (10g): 0.428 [mW/g]



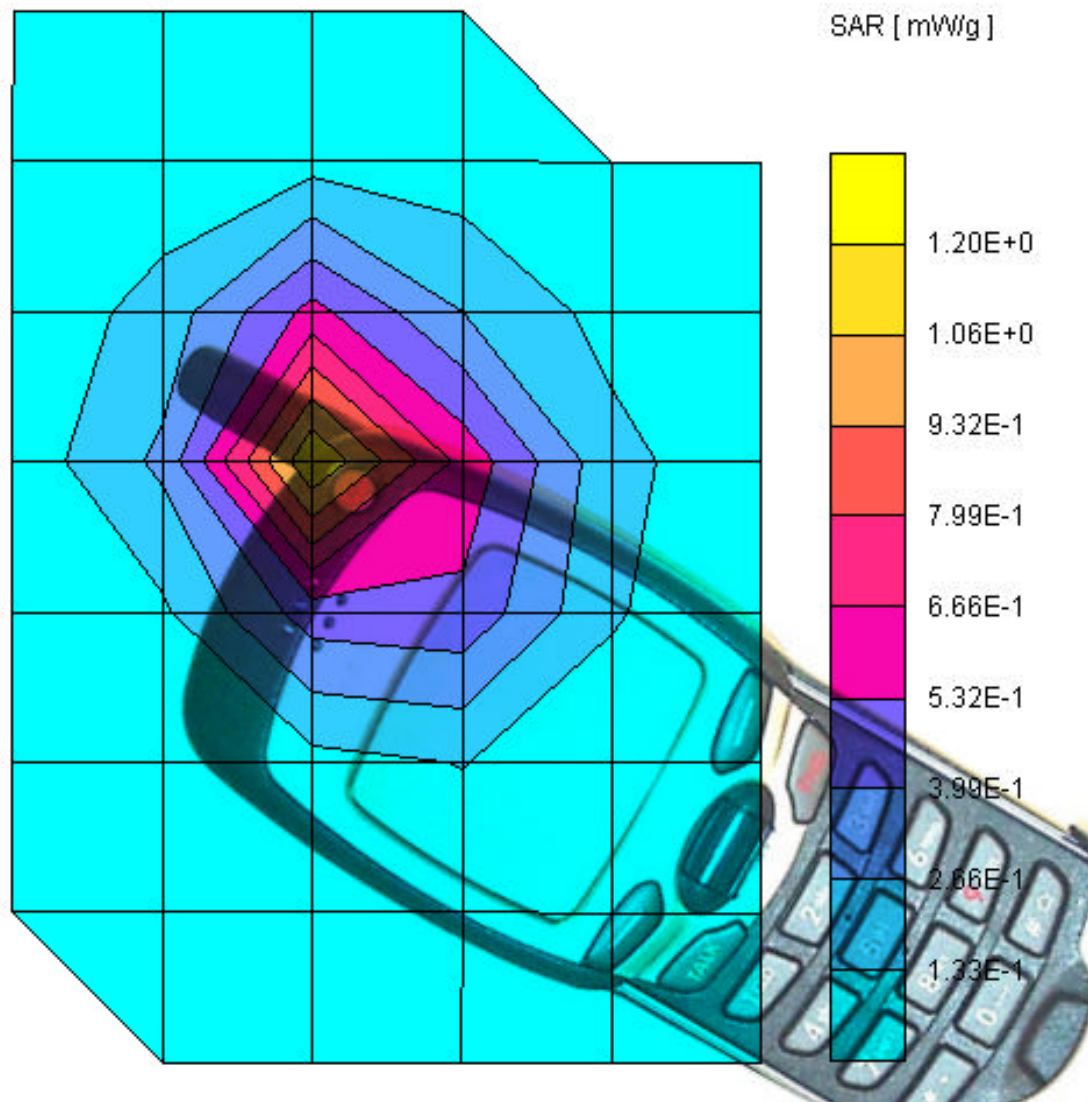
Meas 7

$\sigma = 1.71$ [mho/m] $\epsilon_r = 42.1$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 1.20

SAR (1g): 1.03 [mW/g] SAR (10g): 0.540 [mW/g]



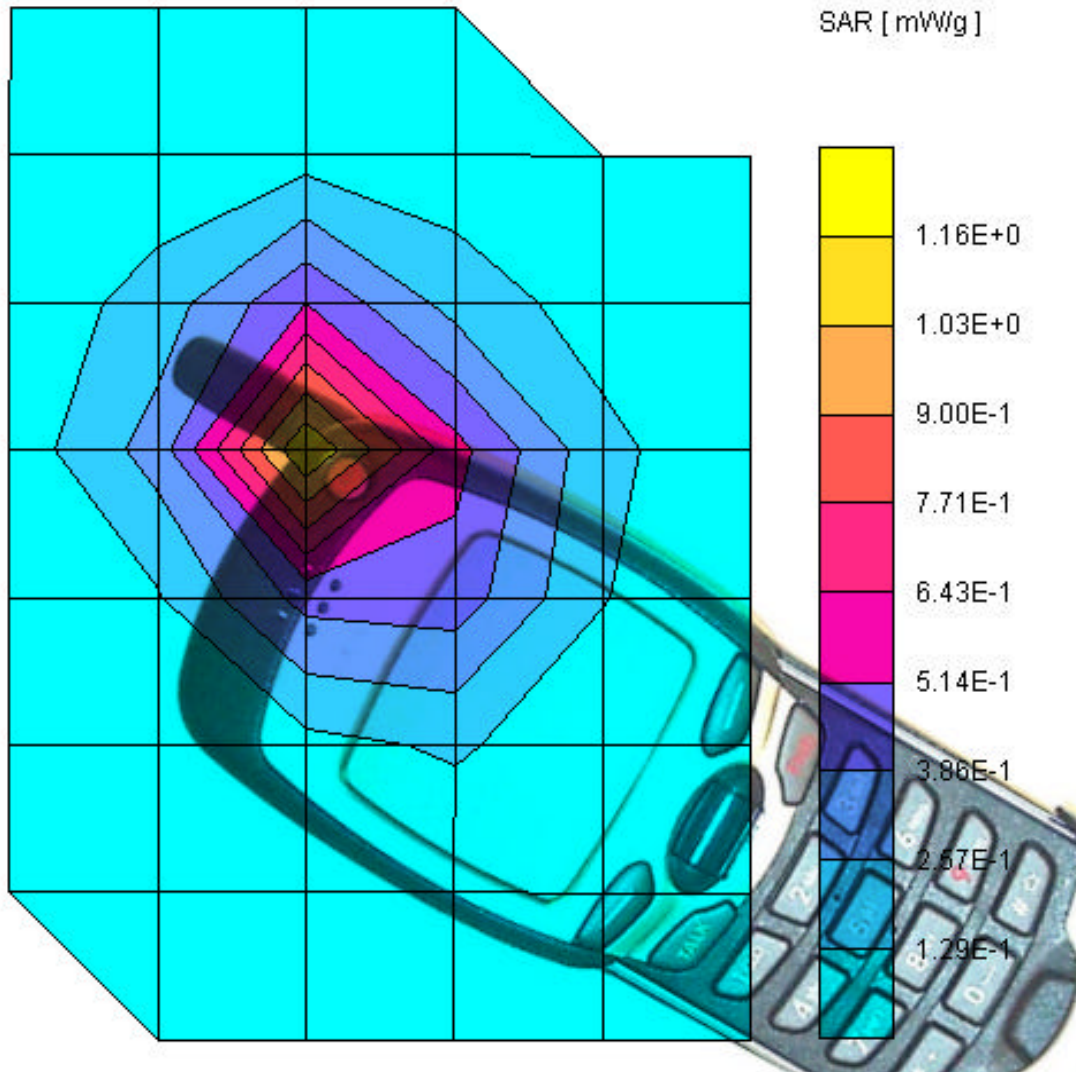
Meas 8

$\sigma = 1.74$ [mho/m] $\epsilon_r = 41.9$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 1.16

SAR (1g): 0.977 [mW/g] SAR (10g): 0.500 [mW/g]



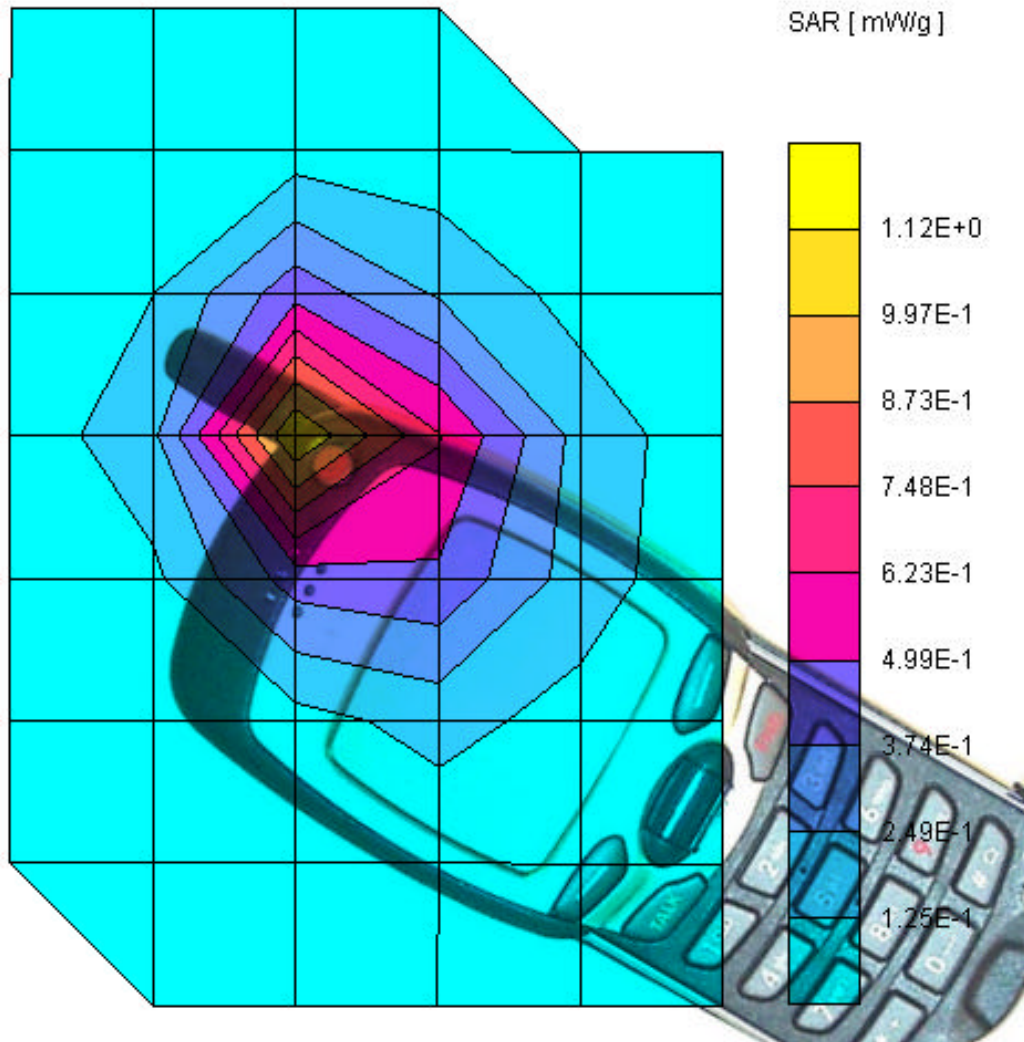
Meas 9

$\sigma = 1.77$ [mho/m] $\epsilon_r = 41.7$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 1.12

SAR (1g): 0.981 [mW/g] SAR (10g): 0.501 [mW/g]



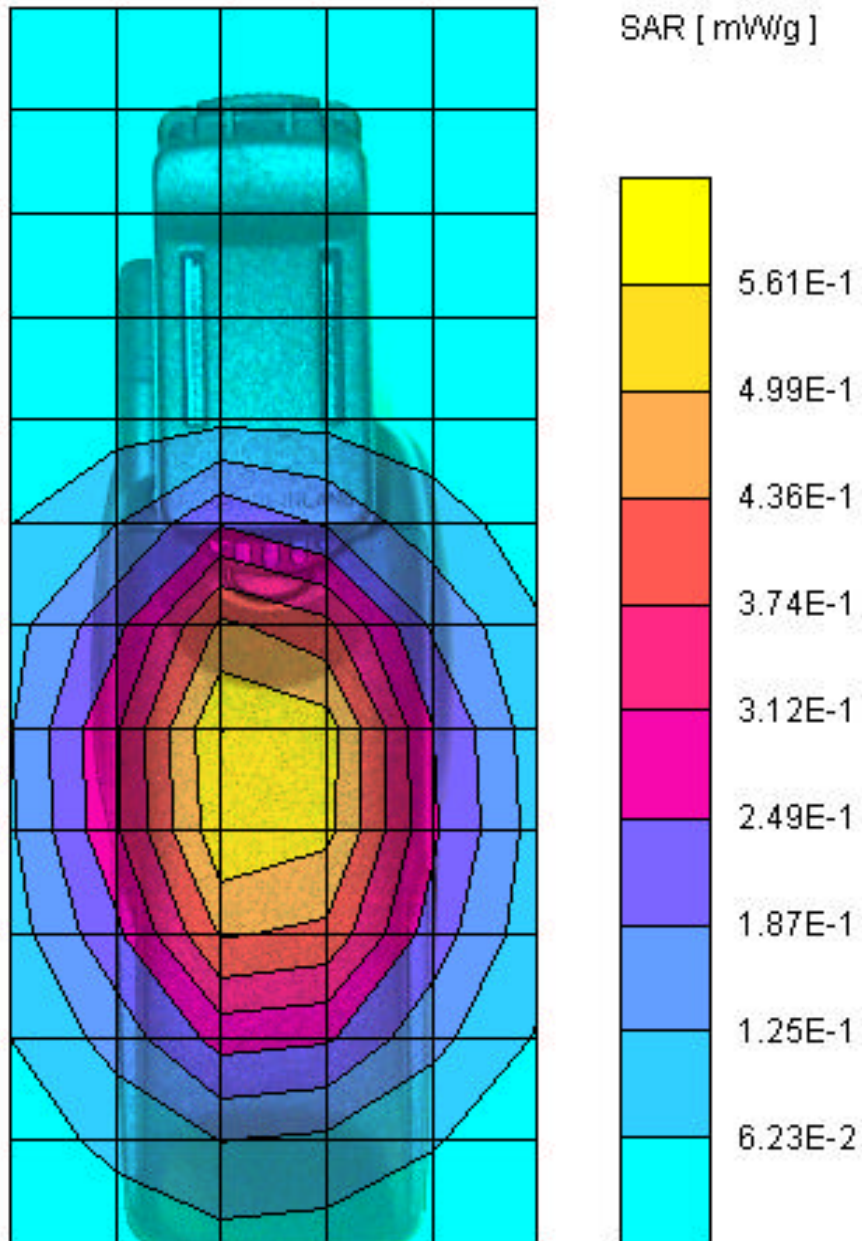
Meas 10

$\sigma = 0.79$ [mho/m] $\epsilon_r = 44.8$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.56

SAR (1g): 0.567 [mW/g] SAR (10g): 0.415 [mW/g]



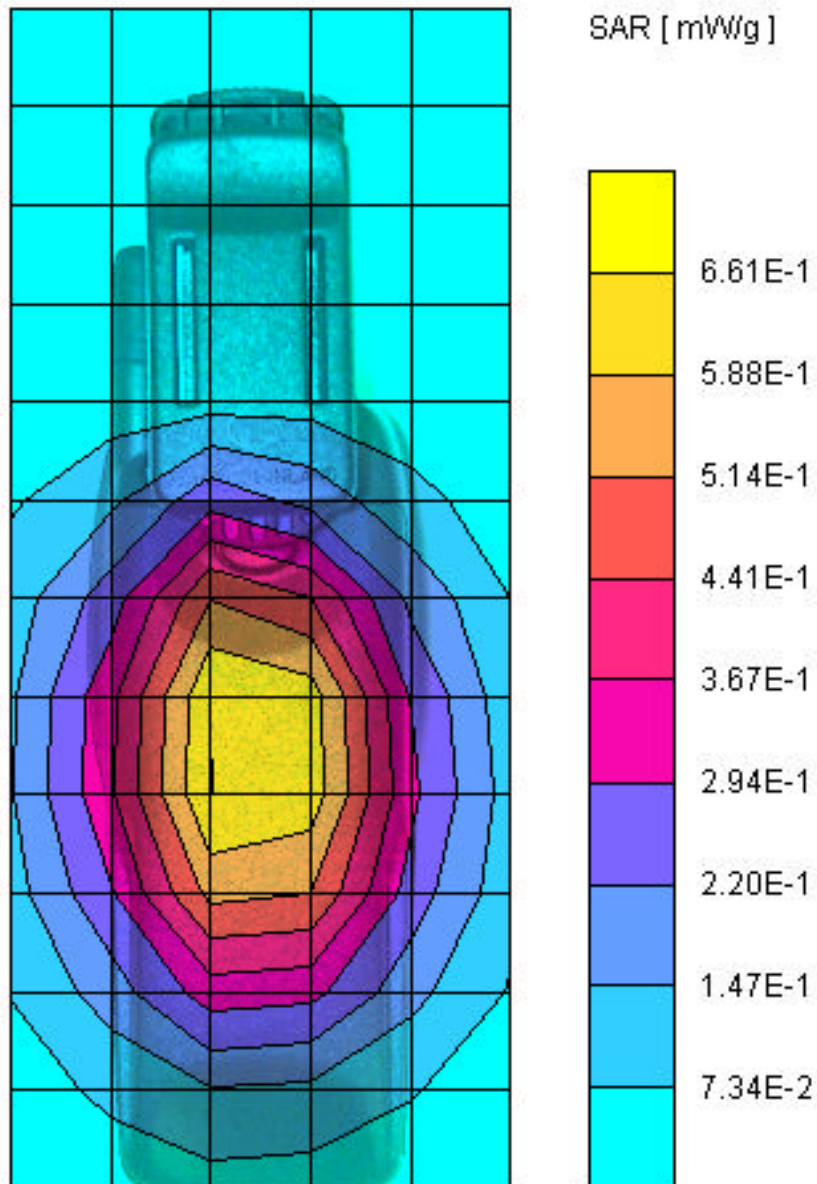
Meas 11

$\sigma = 0.80$ [mho/m] $\epsilon_r = 44.6$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.66

SAR (1g): 0.671 [mW/g] SAR (10g): 0.492 [mW/g]



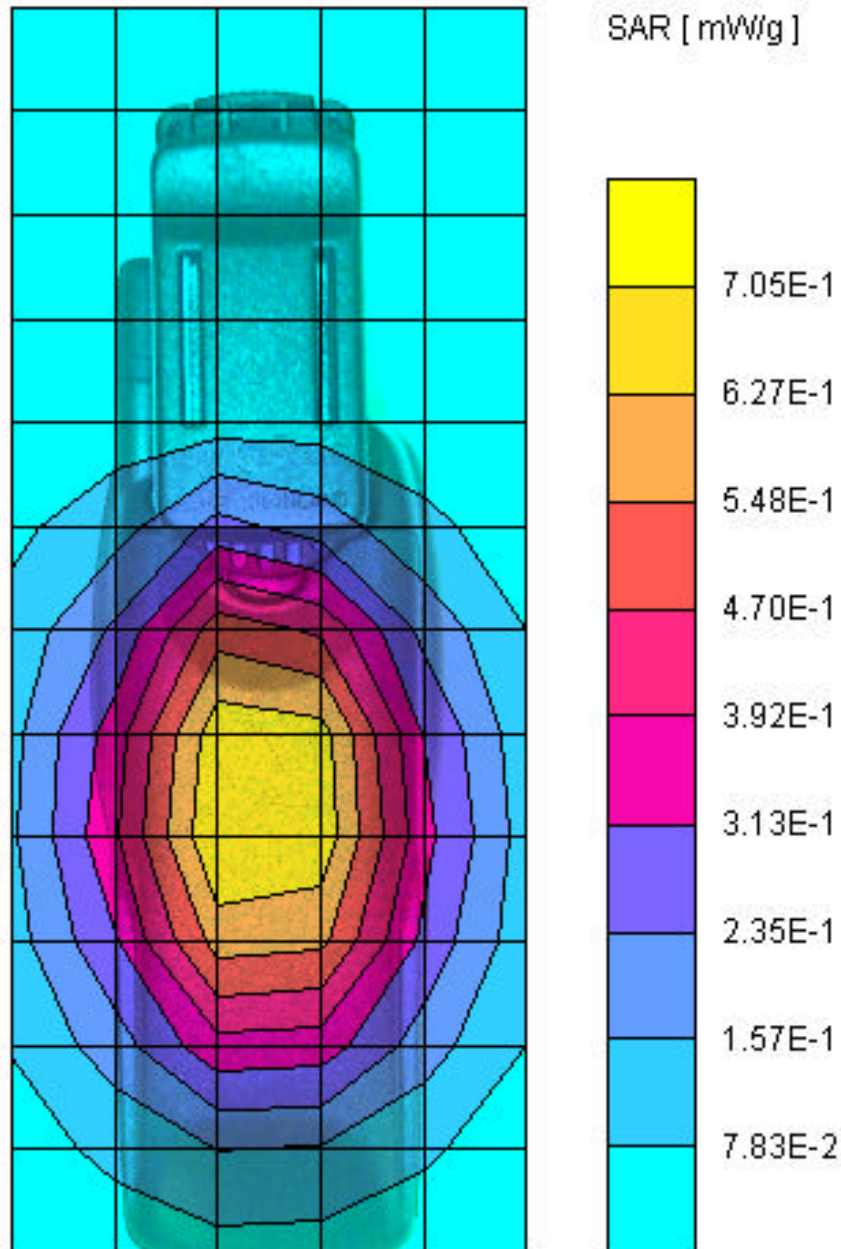
Meas 12

$\sigma = 0.82$ [mho/m] $\epsilon_r = 44.5$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.71

SAR (1g): 0.710 [mW/g] SAR (10g): 0.520 [mW/g]



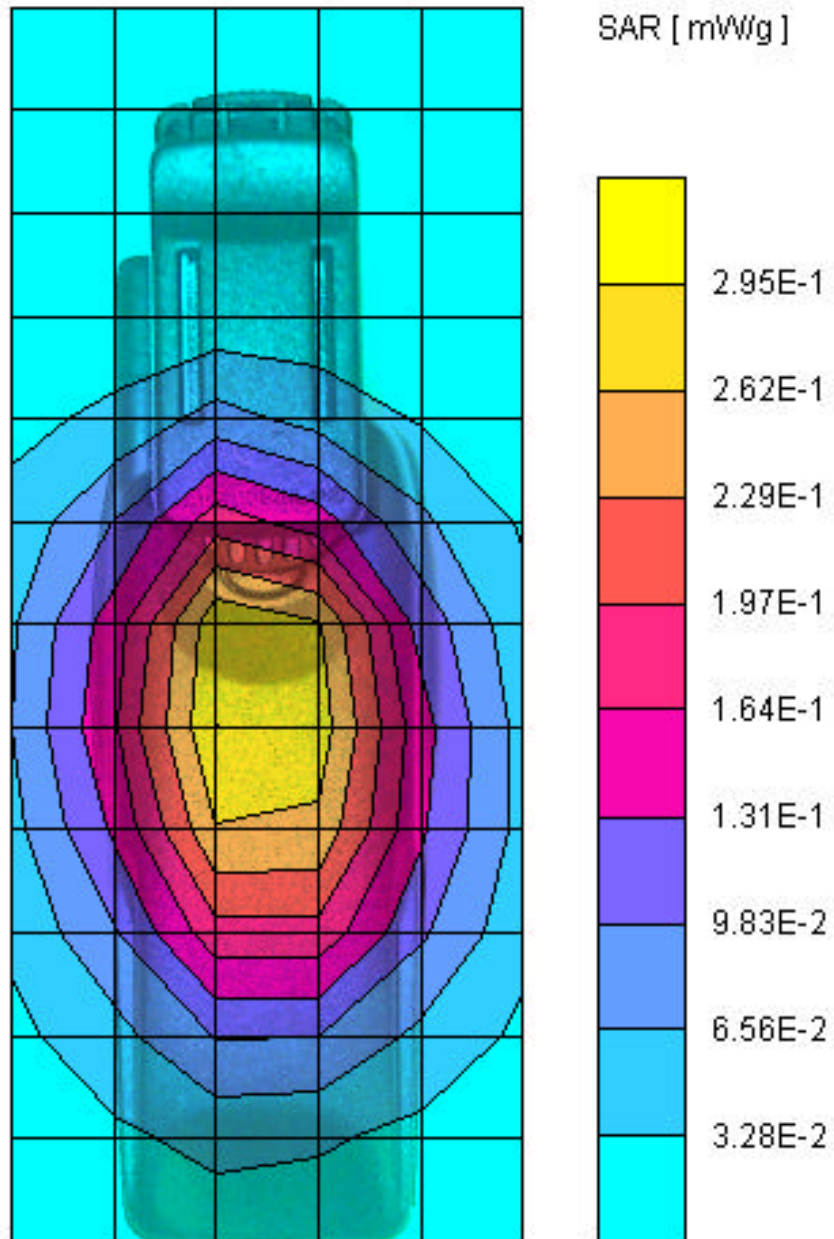
Meas 13

$\sigma = 0.79$ [mho/m] $\epsilon_r = 44.8$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.30

SAR (1g): 0.300 [mW/g] SAR (10g): 0.218 [mW/g]



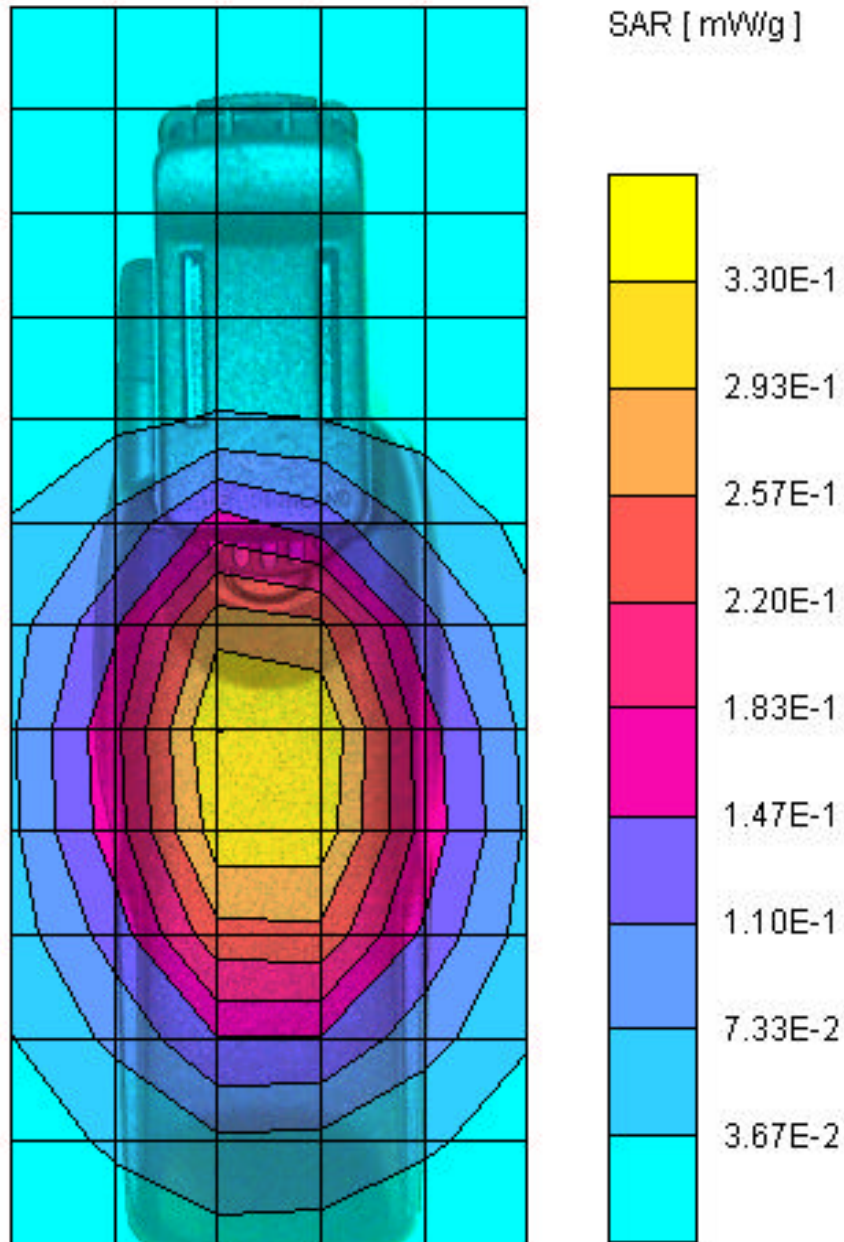
Meas 14

$\sigma = 0.80$ [mho/m] $\epsilon_r = 44.6$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.33

SAR (1g): 0.339 [mW/g] SAR (10g): 0.248 [mW/g]



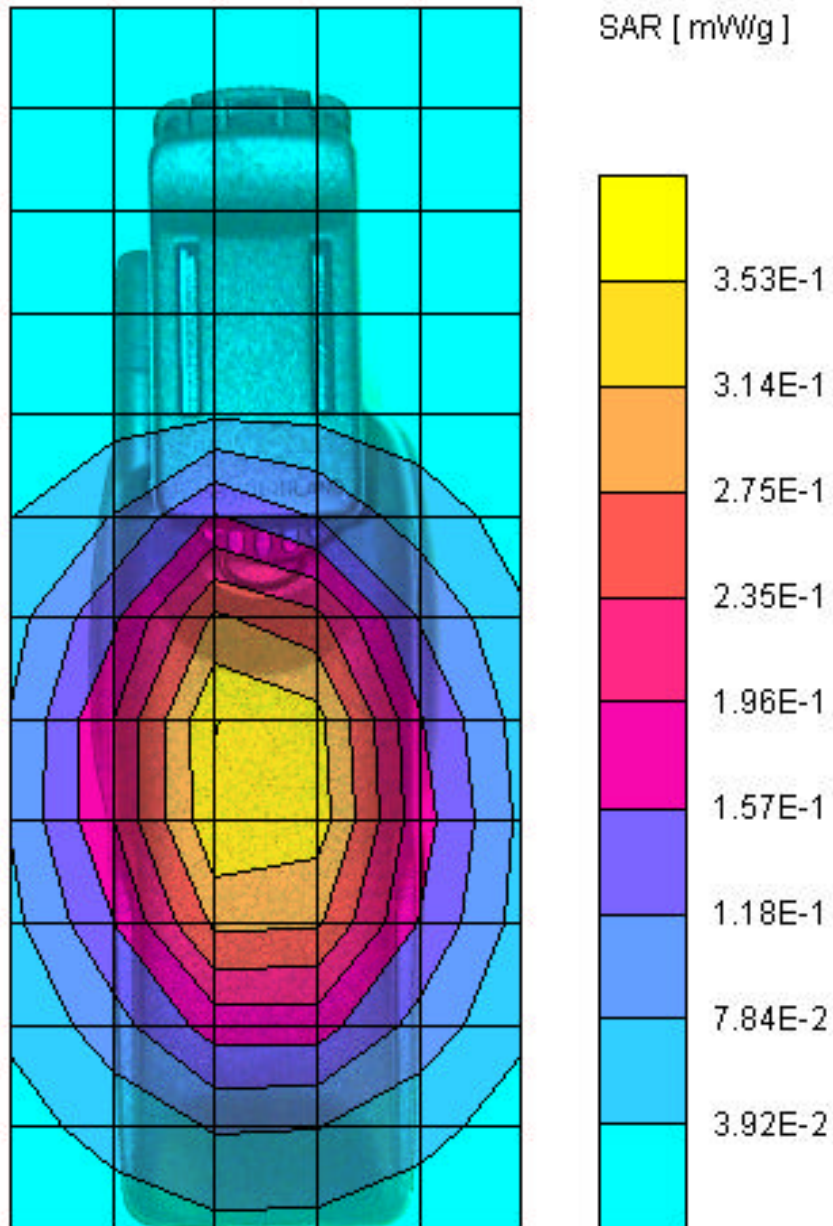
Meas 15

$\sigma = 0.82$ [mho/m] $\epsilon_r = 44.5$ $\rho = 1.00$ [g/cm³]

Coarse Grid $Dx = 20.0$ $Dy = 20.0$ $Dz = 5.0$ [mm]

SAR [mW/g] Max: 0.35

SAR (1g): 0.352 [mW/g] SAR (10g): 0.257 [mW/g]



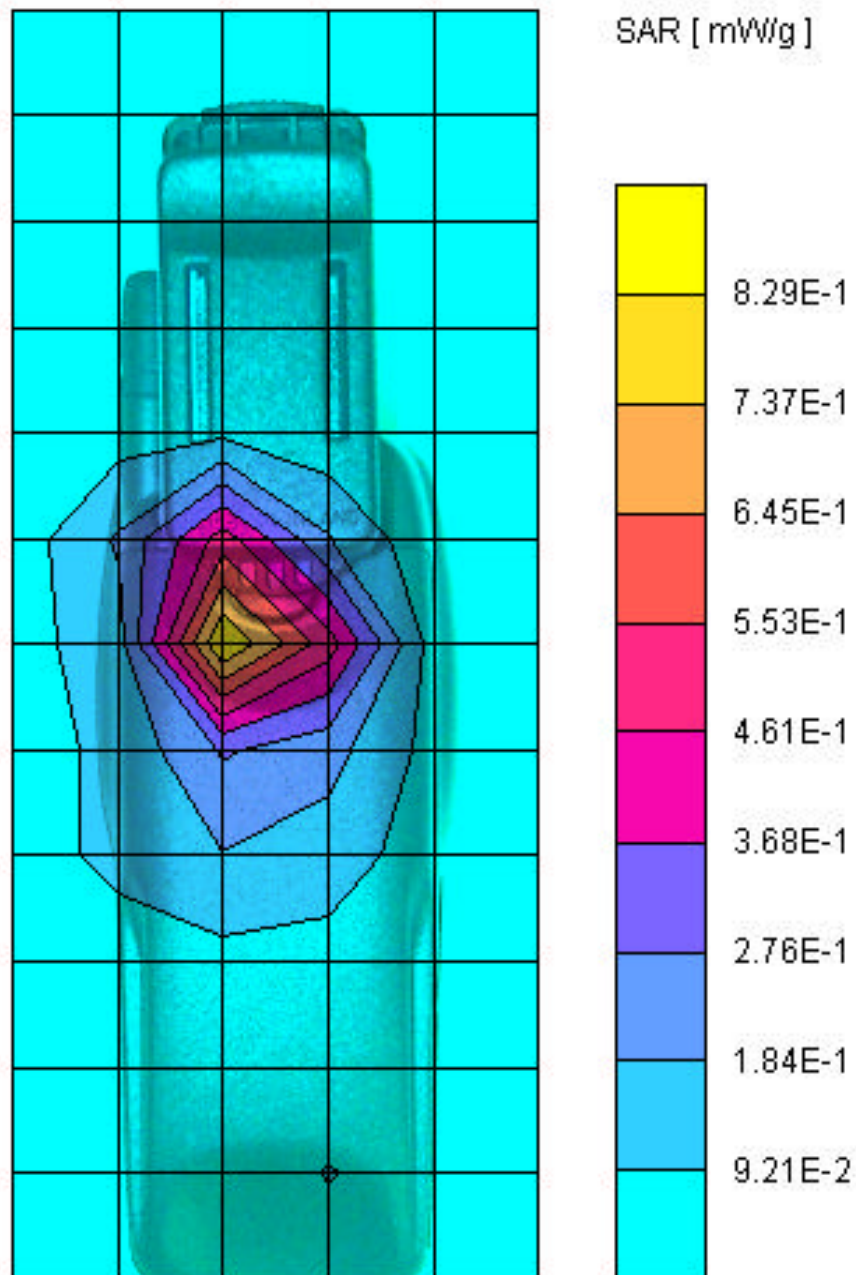
Meas 16

$\sigma = 1.71$ [mho/m] $\epsilon_r = 42.1$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.83

SAR (1g): 0.808 [mW/g] SAR (10g): 0.426 [mW/g]



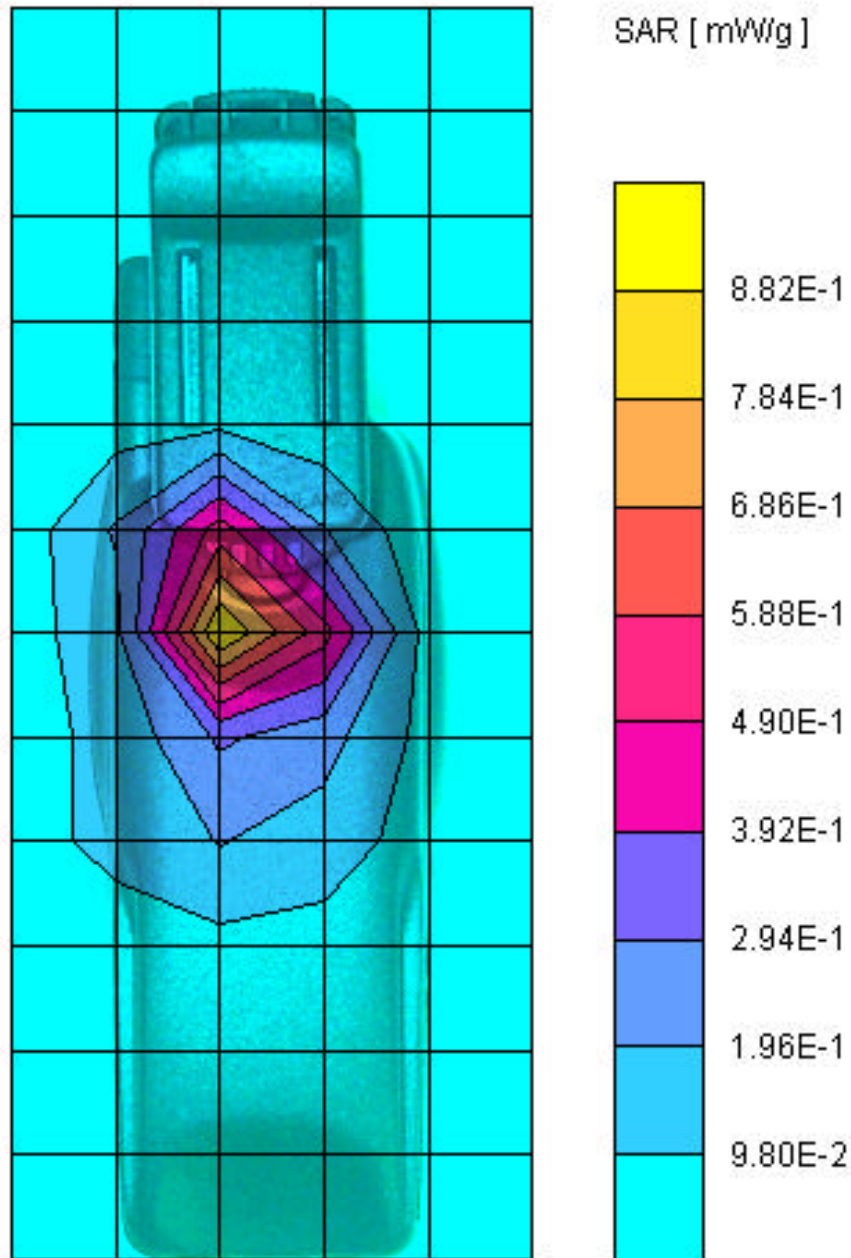
Meas 17

$\sigma = 1.74$ [mho/m] $\epsilon_r = 41.9$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.88

SAR (1g): 0.856 [mW/g] SAR (10g): 0.450 [mW/g]



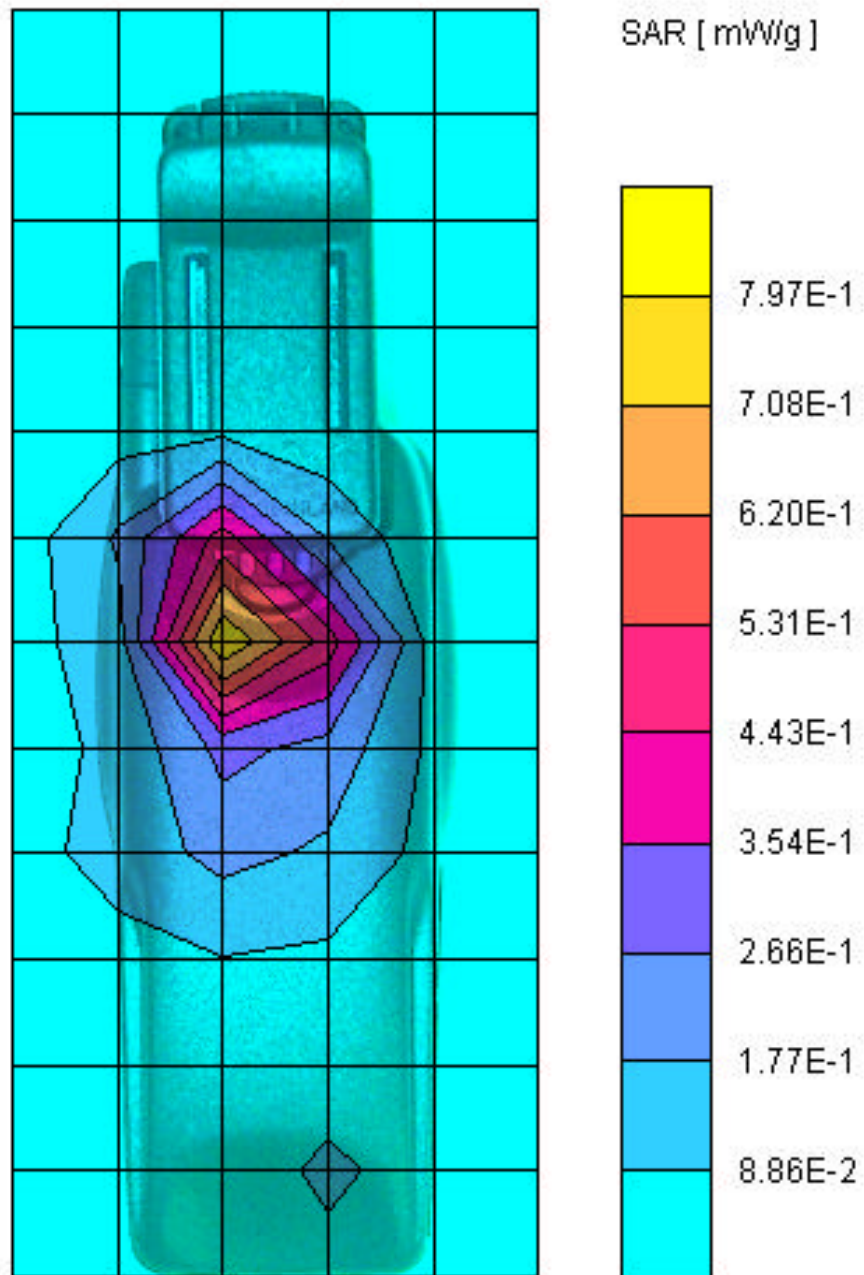
Meas 18

$$\sigma = 1.77 \text{ [mho/m]} \quad \epsilon_r = 41.7 \quad \rho = 1.00 \text{ [g/cm}^3\text{]}$$

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.80

SAR (1g): 0.804 [mW/g] SAR (10g): 0.419 [mW/g]



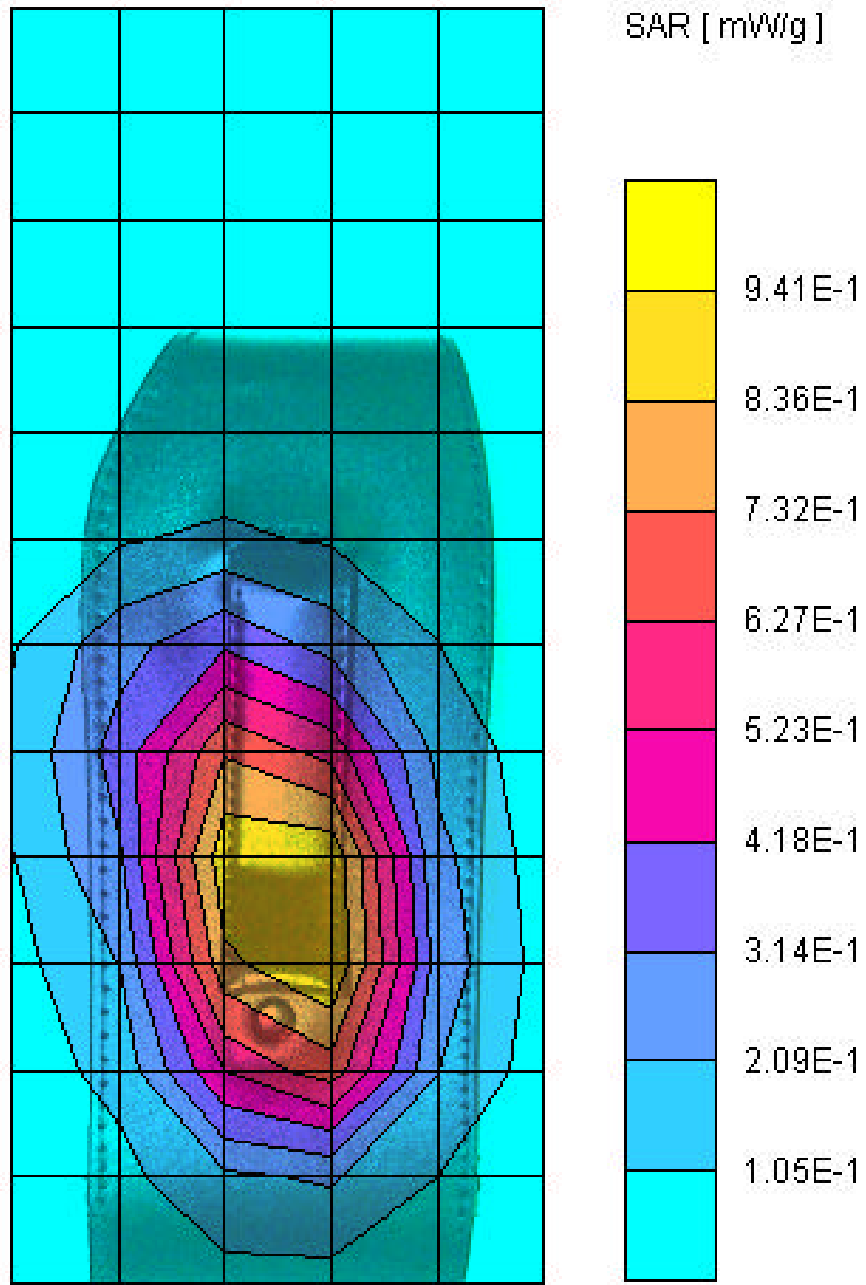
Meas 19

$\sigma = 0.79$ [mho/m] $\epsilon_r = 44.8$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.94

SAR (1g): 1.07 [mW/g] SAR (10g): 0.720 [mW/g]



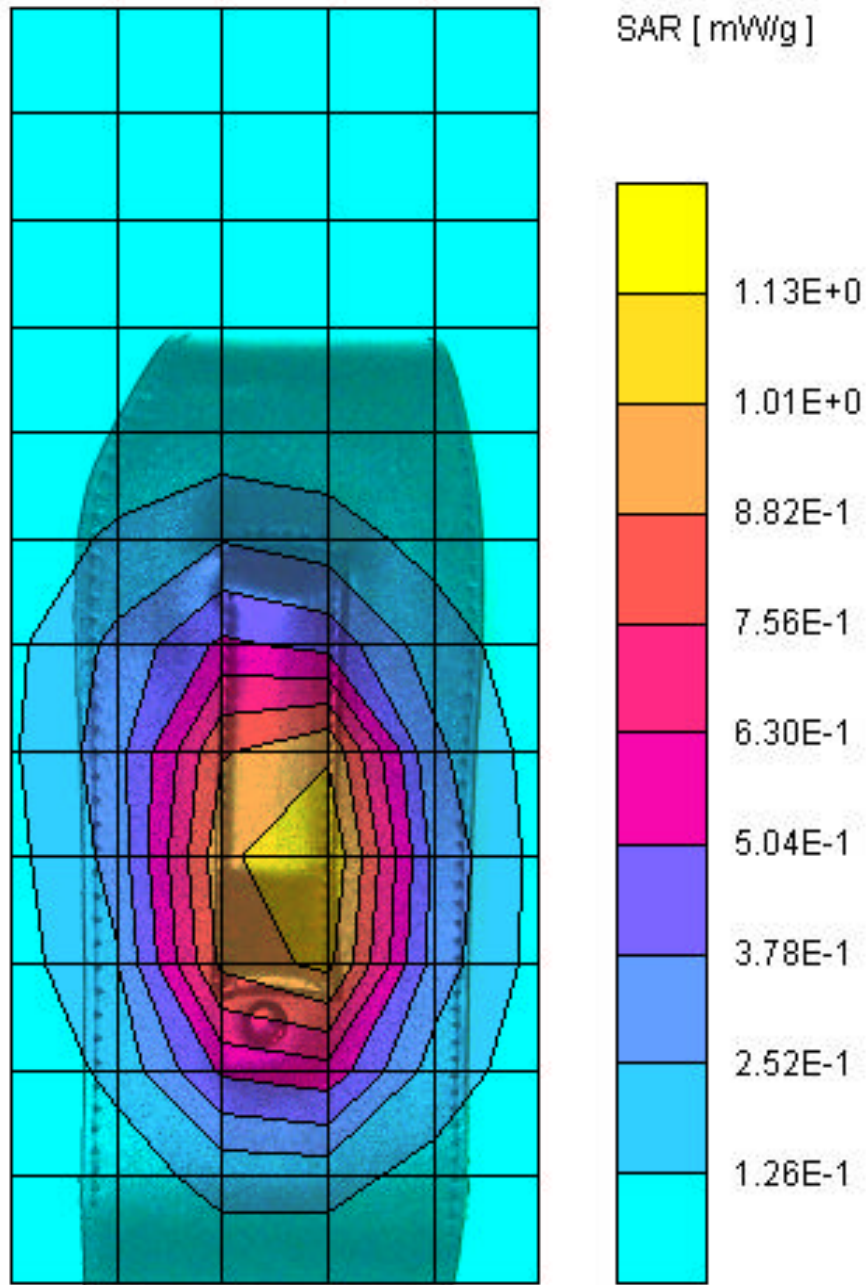
Meas 20

$\sigma = 0.80$ [mho/m] $\epsilon_r = 44.6$ $\rho = 1.00$ [g/cm³]

Coarse Grid $Dx = 20.0$ $Dy = 20.0$ $Dz = 5.0$ [mm]

SAR [mW/g] Max: 1.13

SAR (1g): 1.19 [mW/g] SAR (10g): 0.828 [mW/g]



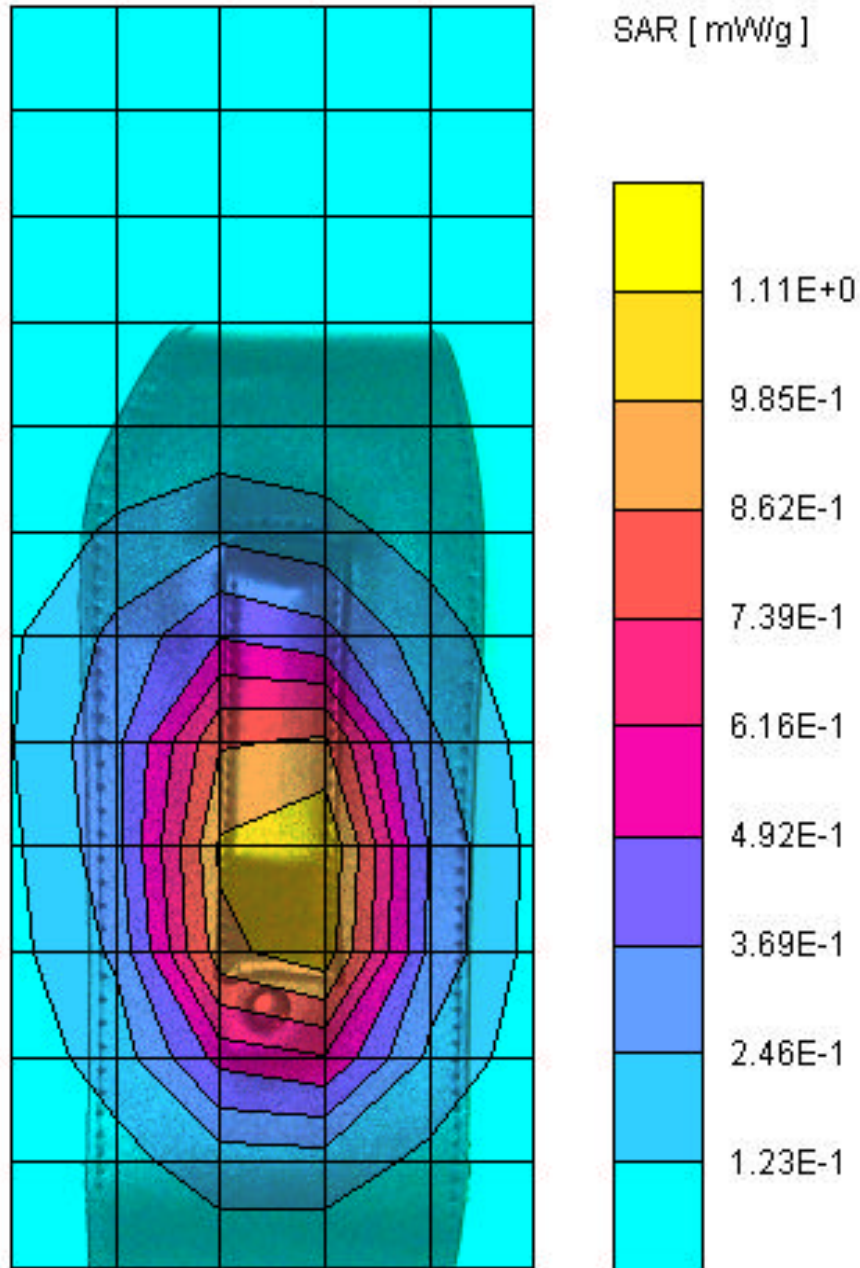
Meas 21

$\sigma = 0.82$ [mho/m] $\epsilon_r = 44.5$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 1.11

SAR (1g): 1.20 [mW/g] SAR (10g): 0.829 [mW/g]



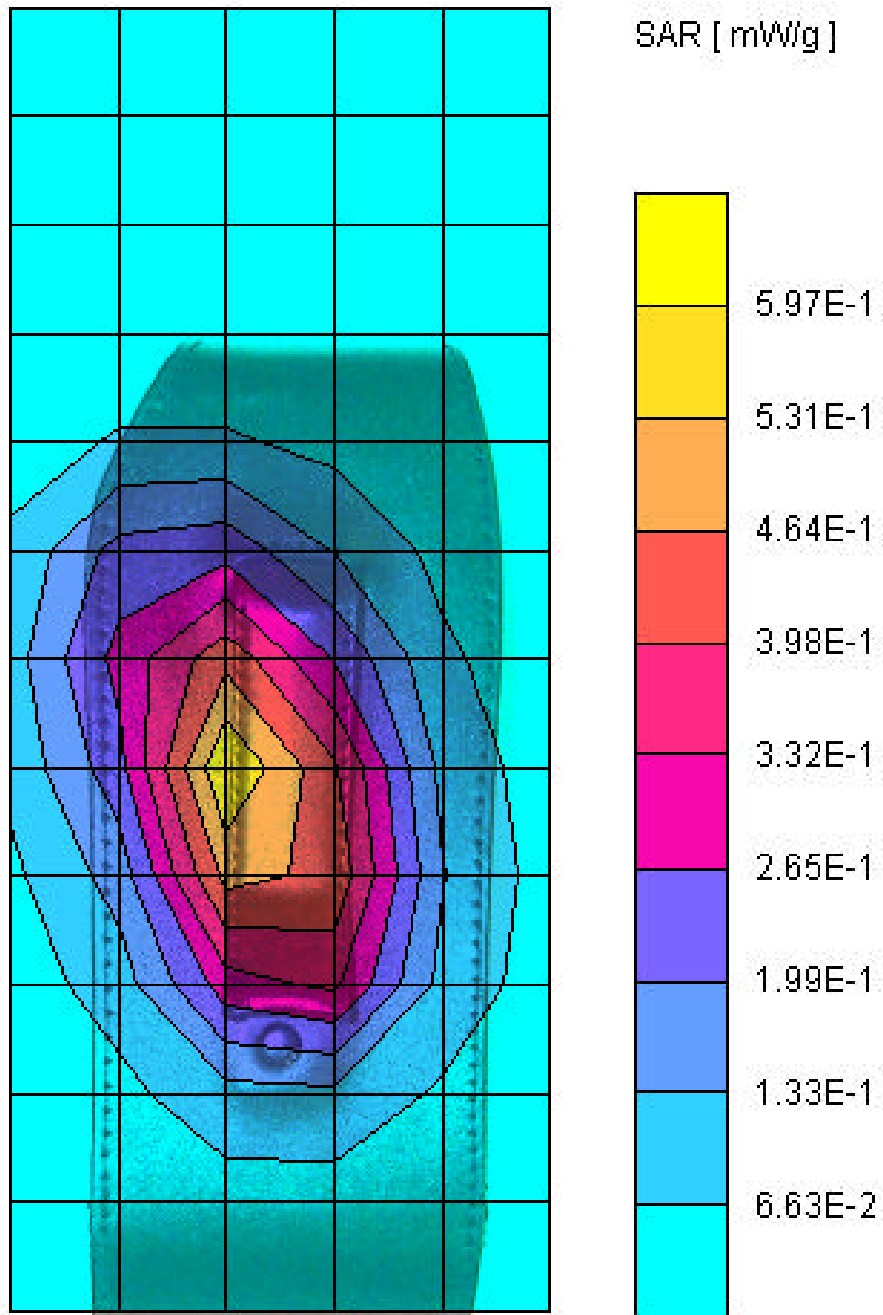
Meas 22

$\sigma = 0.79$ [mho/m] $\epsilon_r = 44.8$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.60

SAR (1g): 0.621 [mW/g] SAR (10g): 0.393 [mW/g]



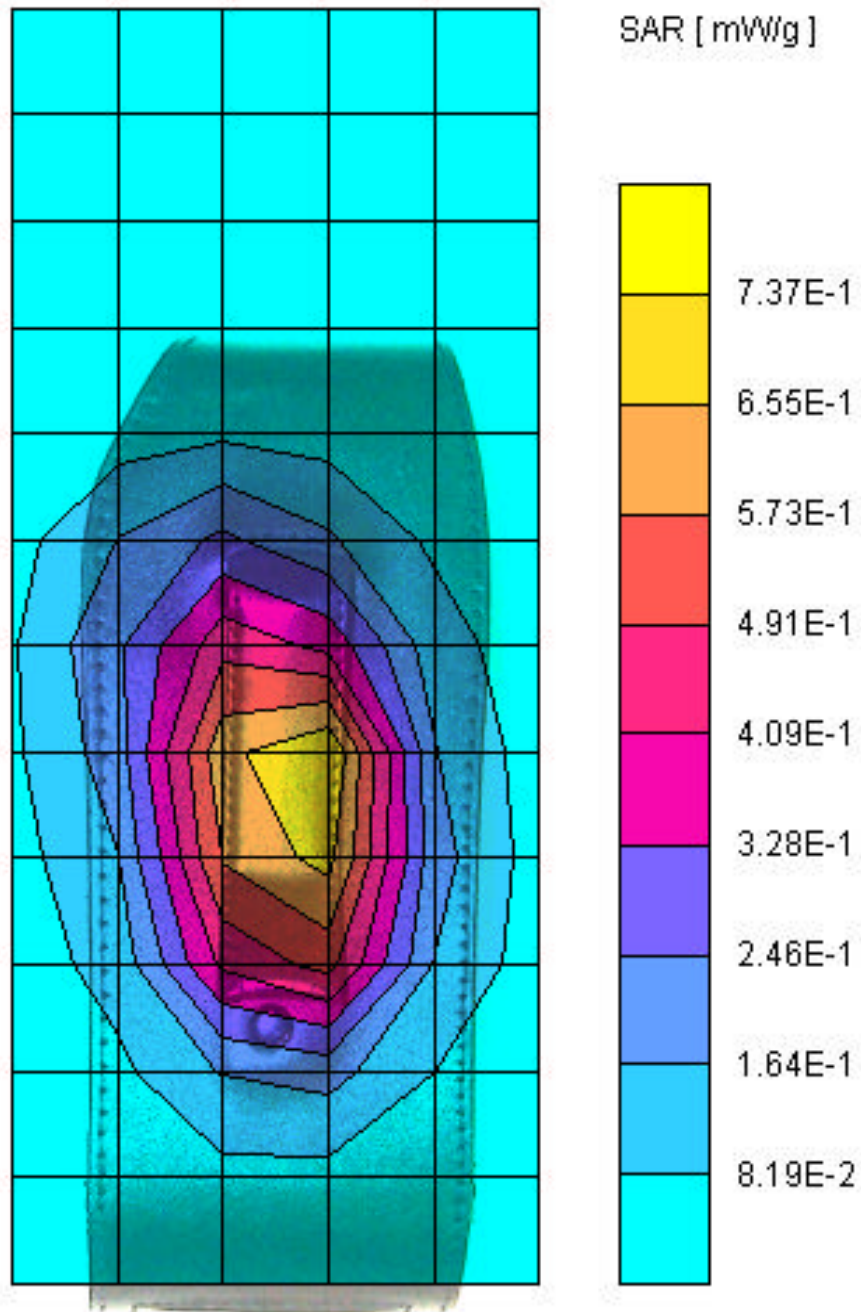
Meas 23

$\sigma = 0.80$ [mho/m] $\epsilon_r = 44.6$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.74

SAR (1g): 0.797 [mW/g] SAR (10g): 0.510 [mW/g]



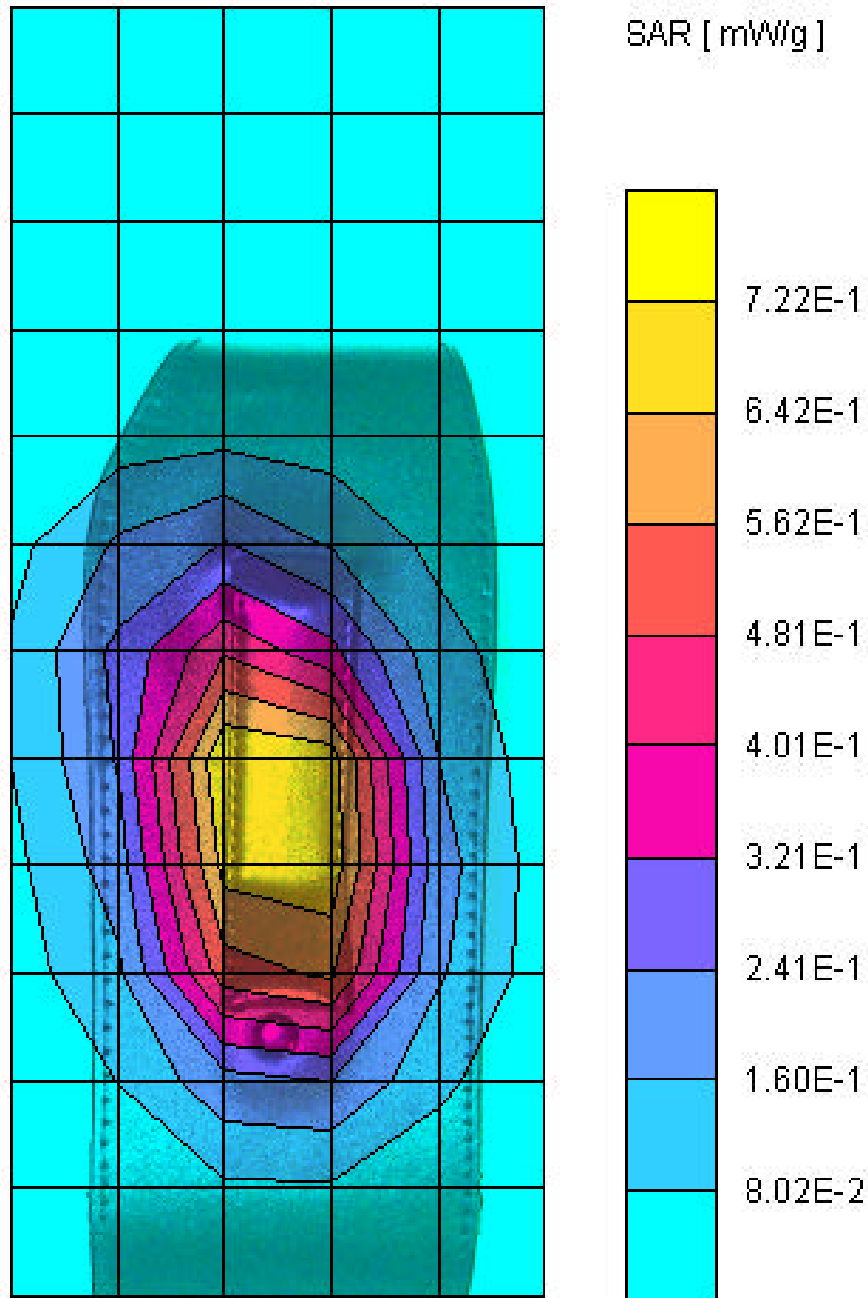
Meas 24

$\sigma = 0.82$ [mho/m] $\epsilon_r = 44.5$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.72

SAR (1g): 0.840 [mW/g] SAR (10g): 0.540 [mW/g]



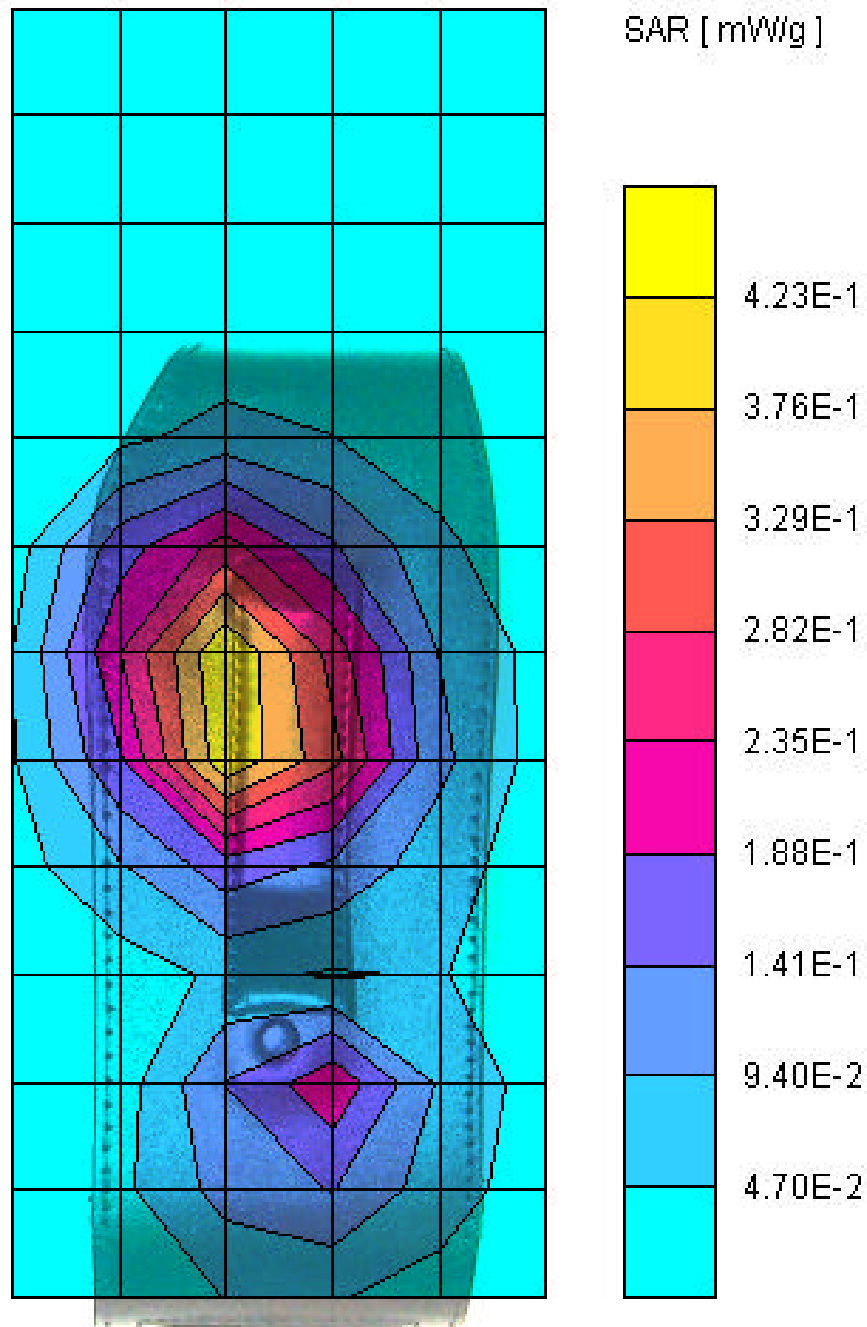
Meas 25

$\sigma = 1.71$ [mho/m] $\epsilon_r = 42.1$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx = 20.0 Dy = 20.0 Dz = 5.0 [mm]

SAR [mW/g] Max: 0.42

SAR (1g): 0.421 [mW/g] SAR (10g): 0.244 [mW/g]



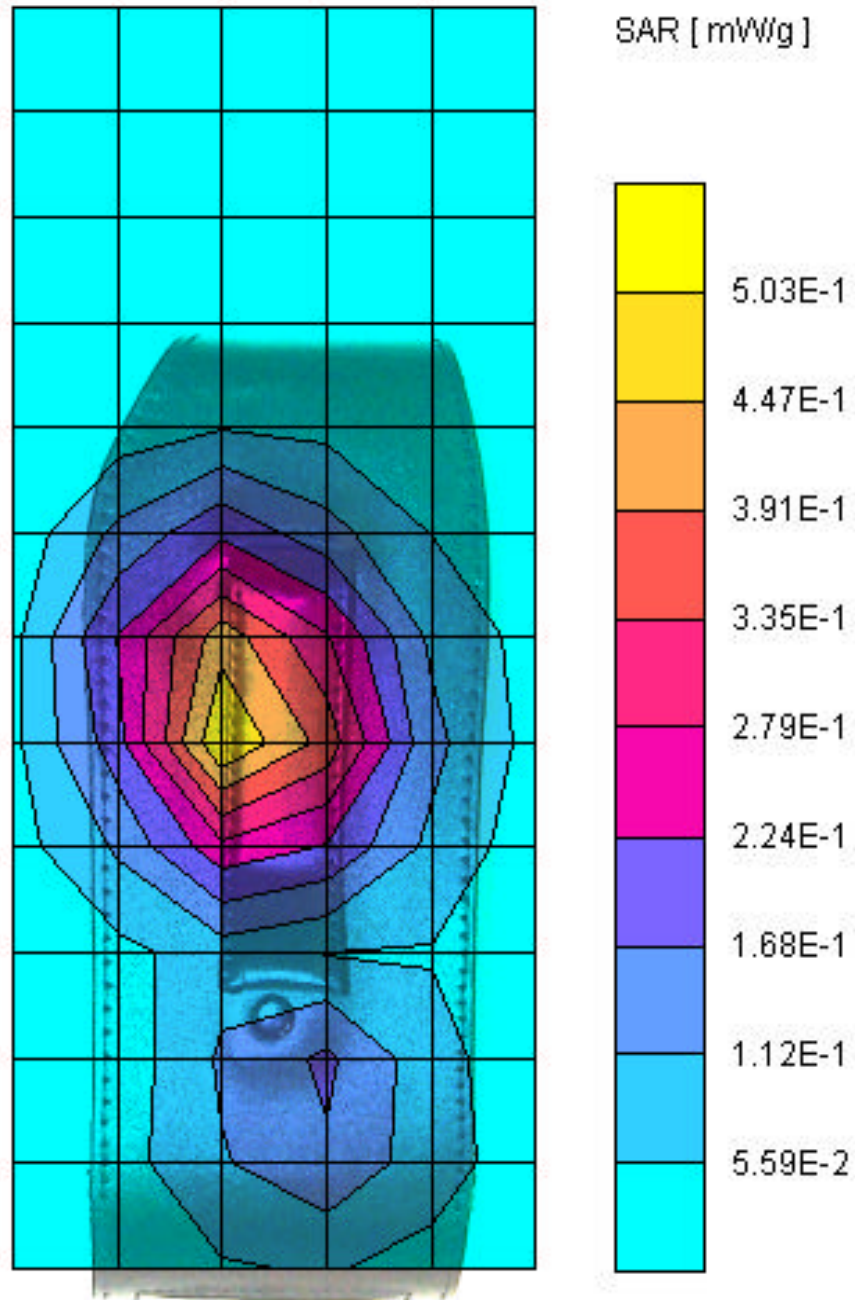
Meas 26

$\sigma = 1.74$ [mho/m] $\epsilon_r = 41.9$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.50

SAR (1g): 0.454 [mW/g] SAR (10g): 0.261 [mW/g]



Meas 27

$\sigma = 1.77$ [mho/m] $\epsilon_r = 41.7$ $\rho = 1.00$ [g/cm³]

Coarse Grid Dx= 20.0 Dy= 20.0 Dz= 5.0 [mm]

SAR [mW/g] Max: 0.52

SAR (1g): 0.462 [mW/g] SAR (10g): 0.262 [mW/g]

