APPENDIX B: SAR DISTRIBUTION PRINTOUT

KWC-2325, Head 835MHz, Left Cheek Position, FM Ch799, Antenna retracted, 05-16-02

K1.5

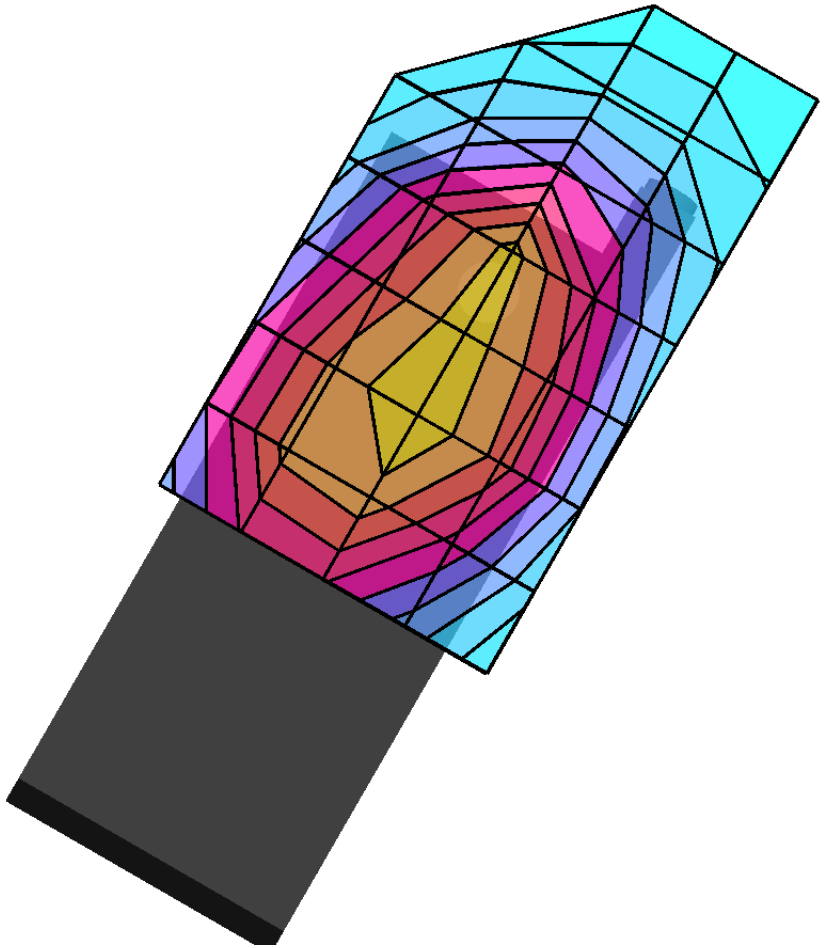
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 835 MHz

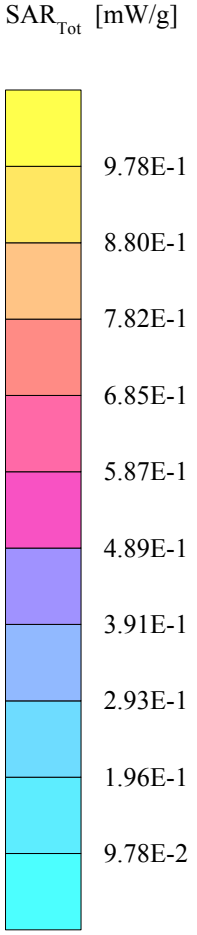
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.921 mW/g, SAR (10g): 0.658 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.03 dB





KWC-2325, Head 835MHz, Left Cheek Position, FM Ch991, Antenna extended, 05-16-02

K1.5

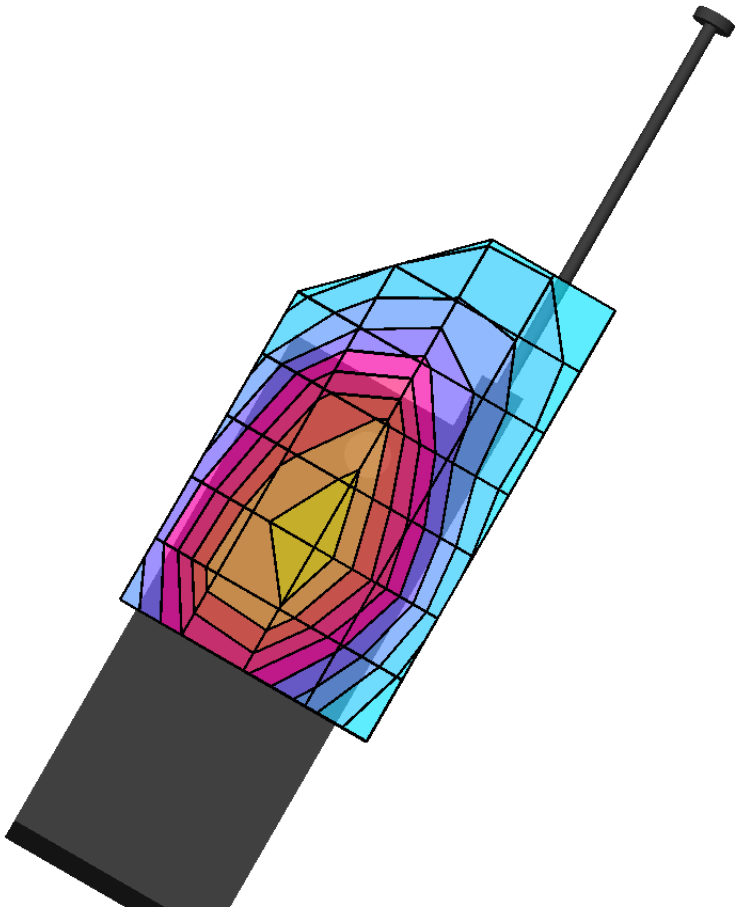
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 835 MHz

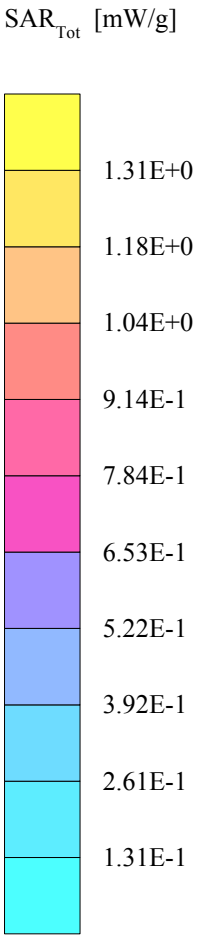
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.892 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.01 dB





KWC-2325, Head 835MHz, Left Tilted Position, FM Ch383, Antenna retracted, 05-16-02

K1.5

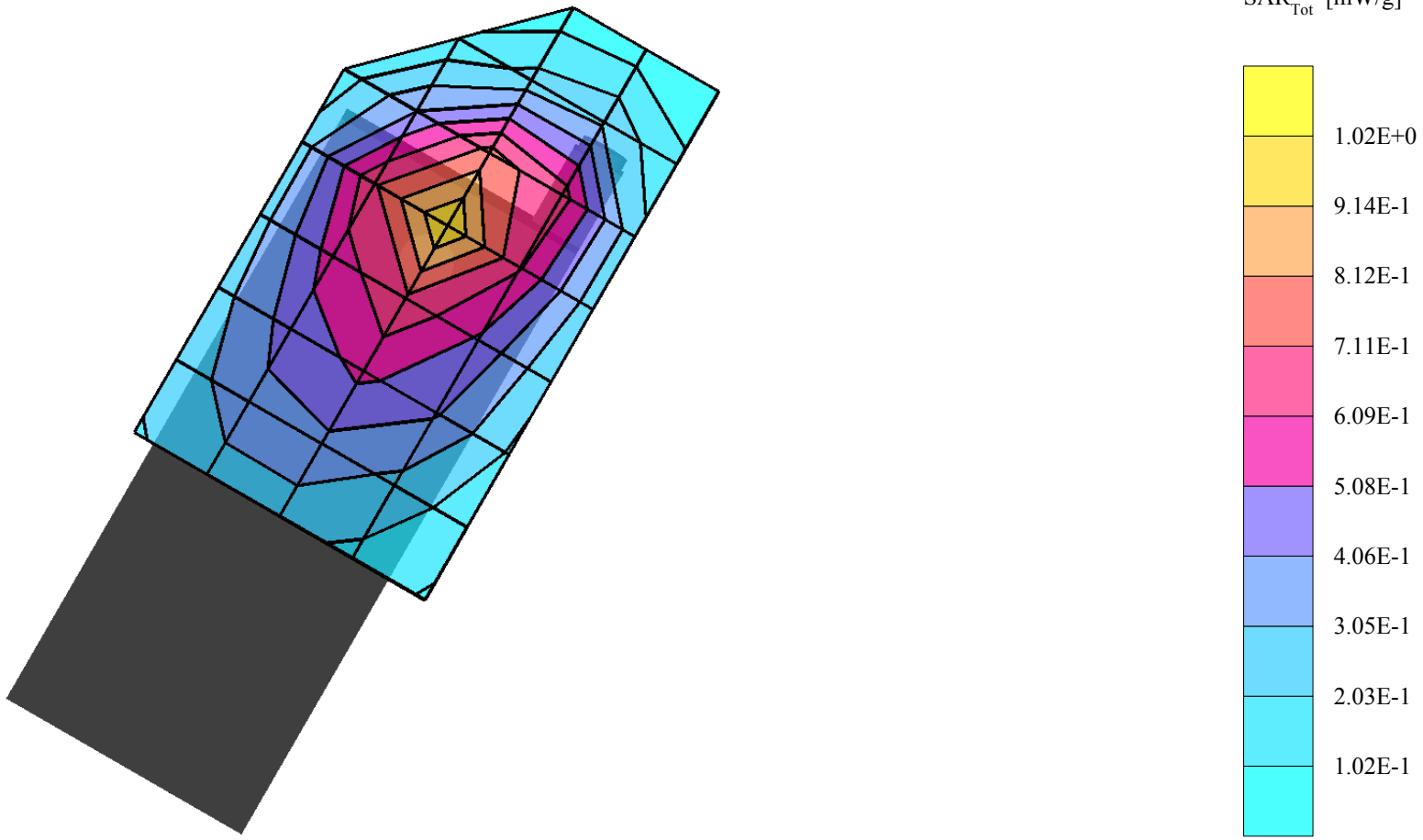
SAM Phantom; Left Hand Section; Position: (95°,60°); Frequency: 835 MHz

Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.907 mW/g, SAR (10g): 0.463 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.03 dB



KWC-2325, Head 835MHz, Left Tilted Position, FM Ch799, Antenna extended, 05-16-02

K1.5

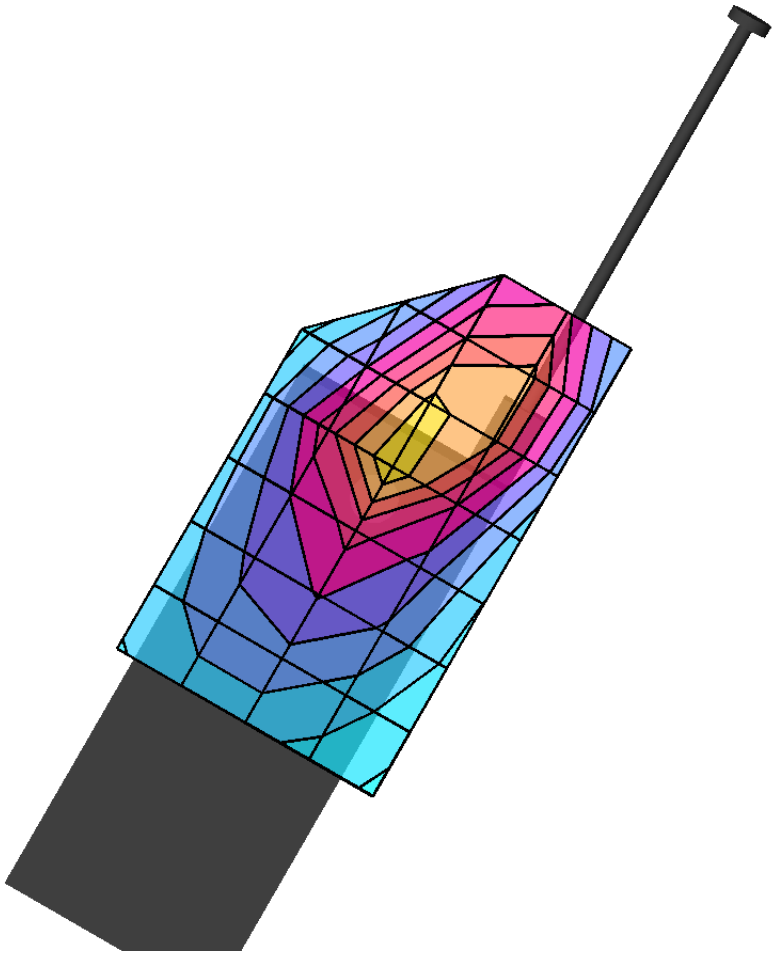
SAM Phantom; Left Hand Section; Position: (95°,60°); Frequency: 835 MHz

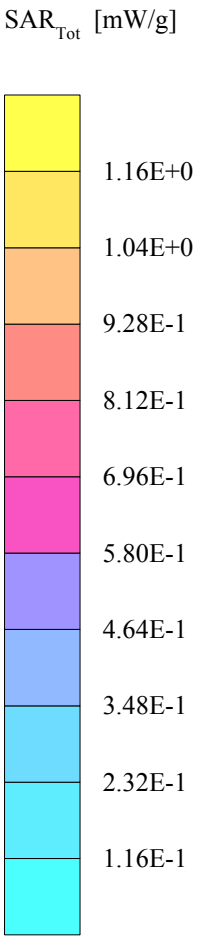
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.10 mW/g, SAR (10g): 0.689 mW/g * Max outside, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.01 dB





KWC-2325, Head 835MHz, Left Cheek Position, CDMA Ch1013, Antenna retracted, 05-16-02

K1.5

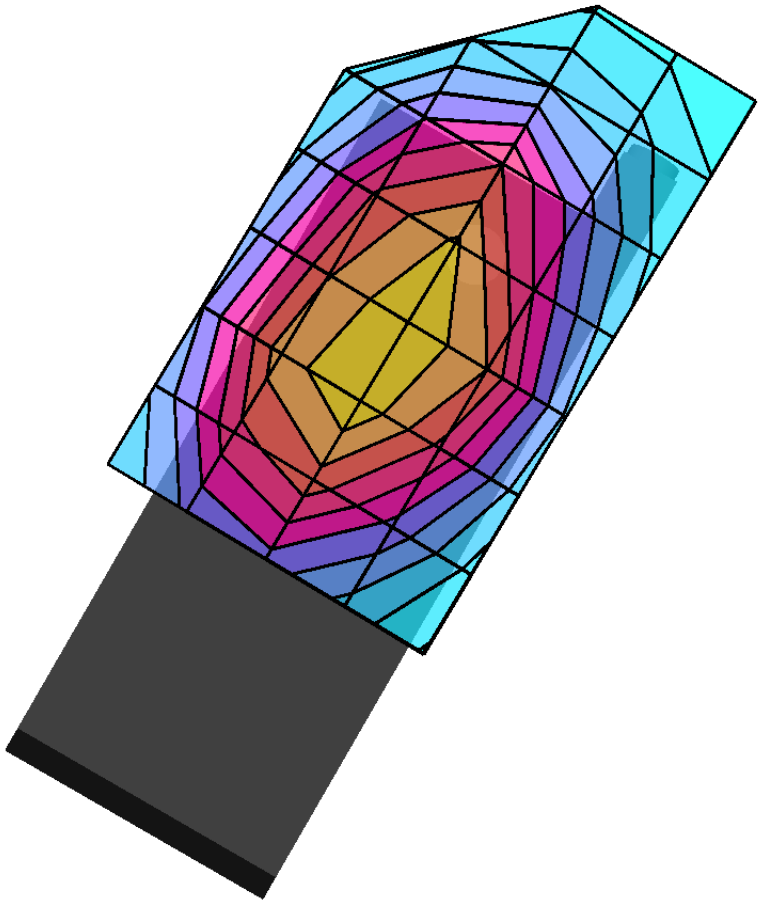
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 835 MHz

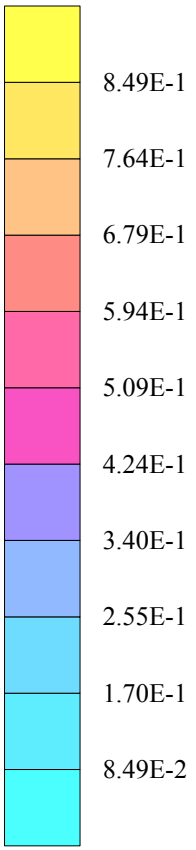
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.816 mW/g, SAR (10g): 0.589 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.04 dB





KWC-2325, Head 835MHz, Left Cheek Position, CDMA Ch1013, Antenna extended, 05-16-02

K1.5

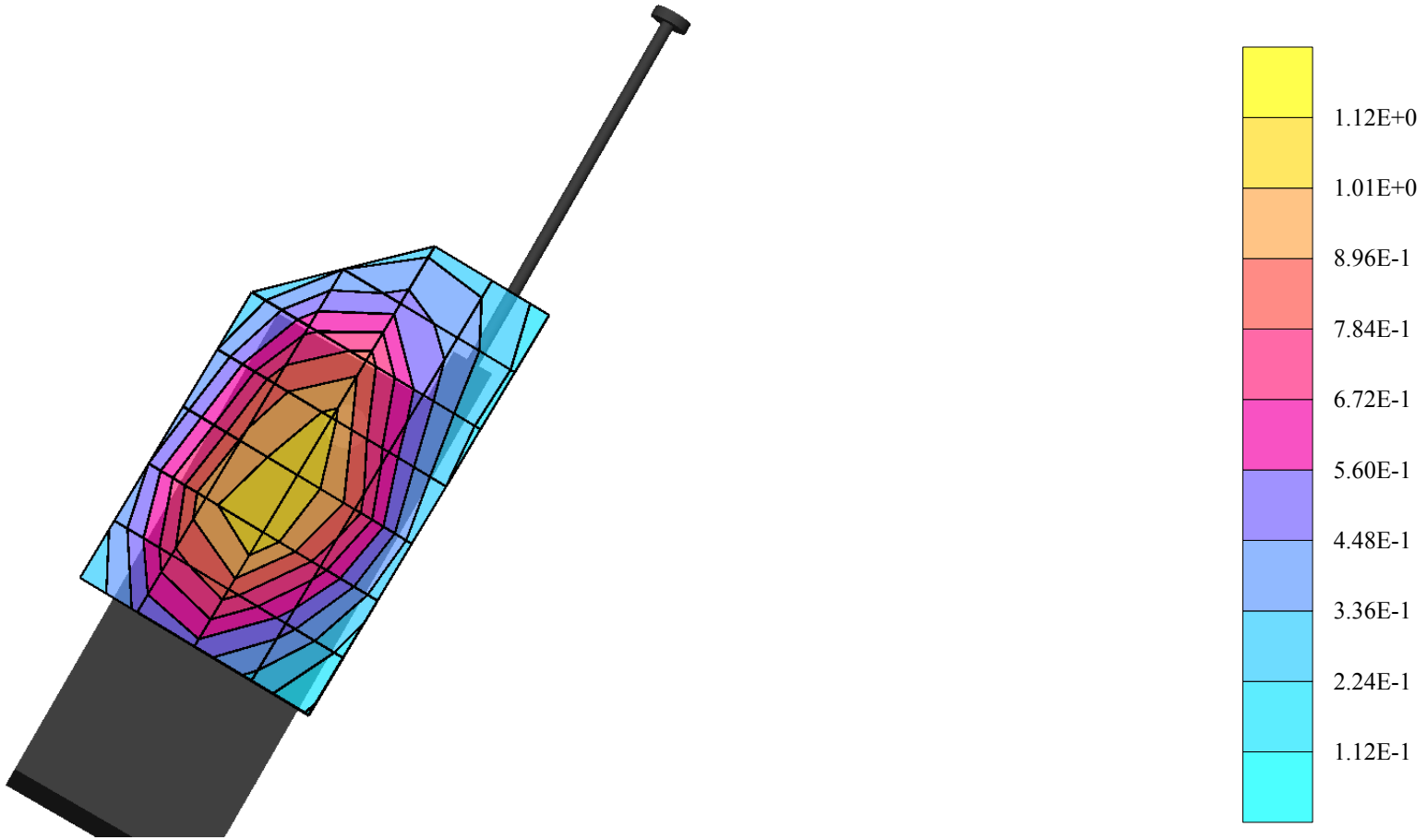
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 835 MHz

Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.09 mW/g, SAR (10g): 0.782 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.06 dB



KWC-2325, Head 835MHz, Left Tilted Position, CDMA Ch383, Antenna retracted, 05-16-02

K1.5

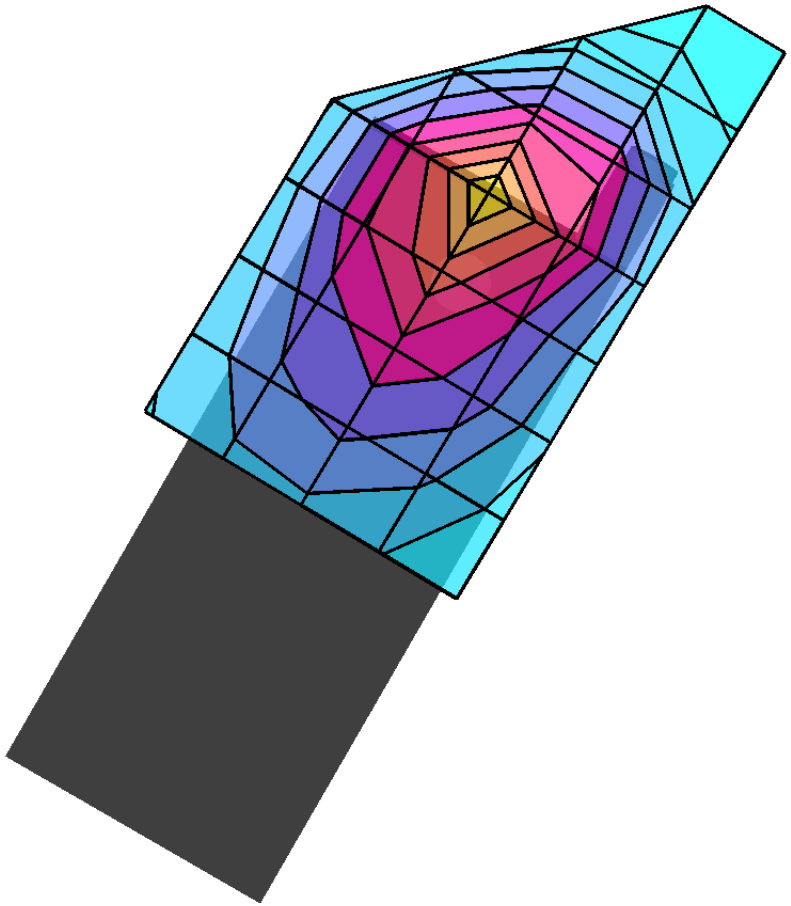
SAM Phantom; Left Hand Section; Position: (95°,60°); Frequency: 835 MHz

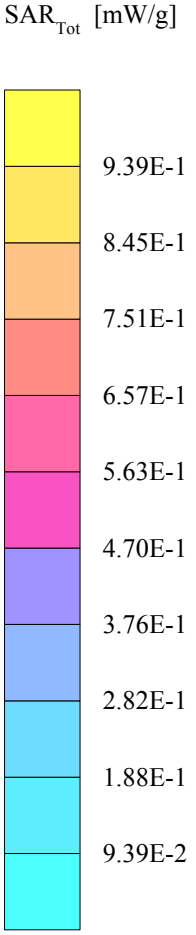
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.840 mW/g, SAR (10g): 0.511 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.08 dB





KWC-2325, Head 835MHz, Left Tilted Position, CDMA Ch1013, Antenna extended, 05-16-02

K1.5

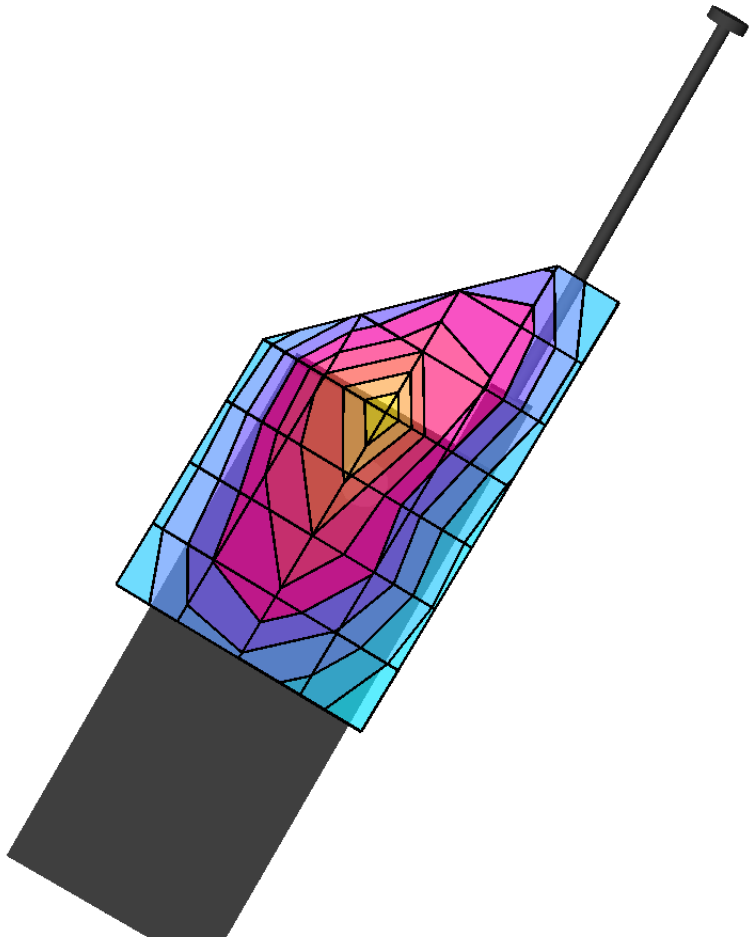
SAM Phantom; Left Hand Section; Position: (95°,60°); Frequency: 835 MHz

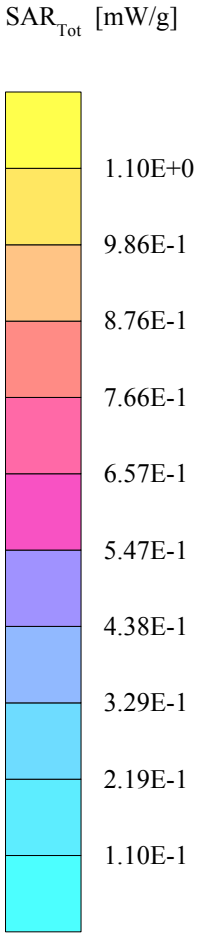
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.991 mW/g, SAR (10g): 0.616 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.05 dB





05/15/02

KWC-2325, Head 1900MHz, Left Cheek Position, PCS Ch25, Antenna retracted, 05-15-02

K1.5

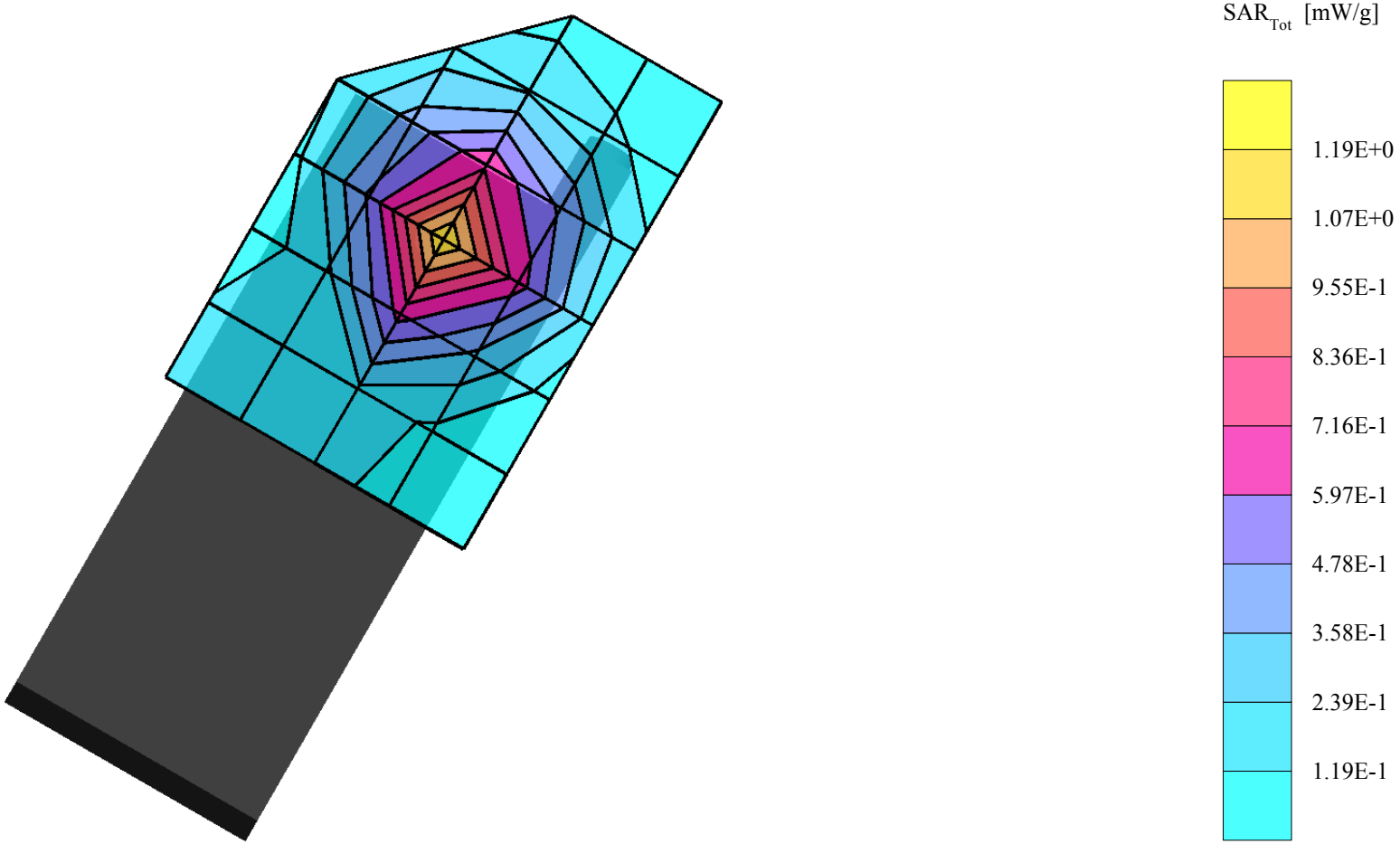
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.03 mW/g, SAR (10g): 0.555 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.10 dB



<ENTER HERE YOUR COMPANY NAME>

KWC-2325, Head 1900MHz, Left Cheek Position, PCS Ch25, Antenna extended, 05-15-02

K1.5

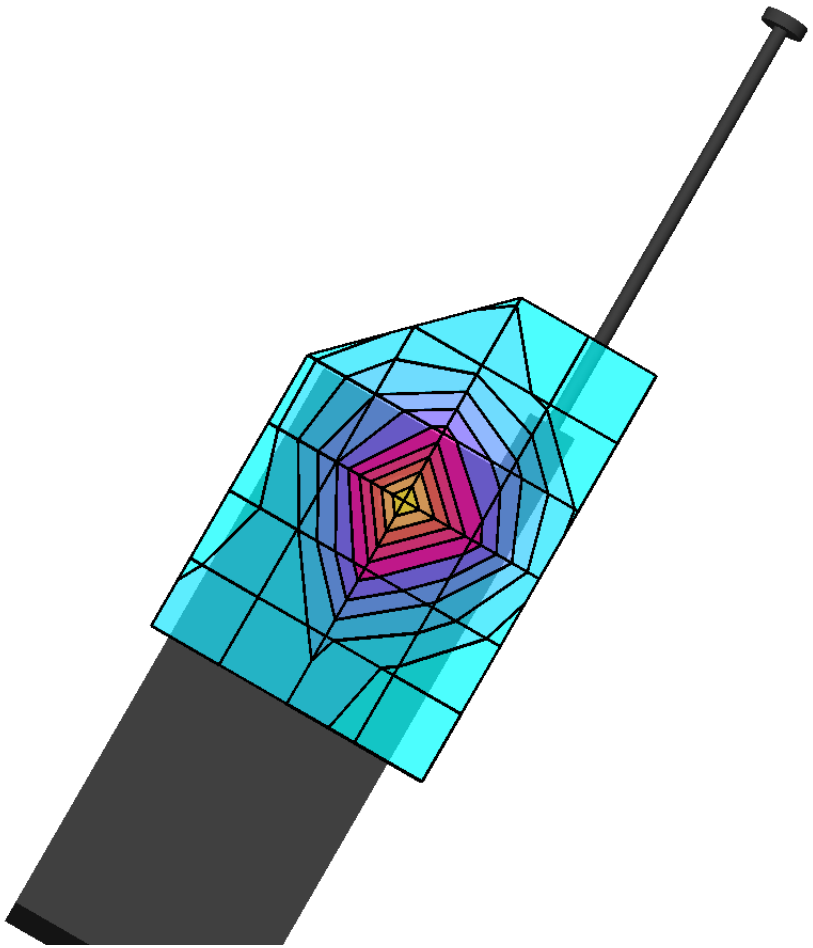
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 1900 MHz

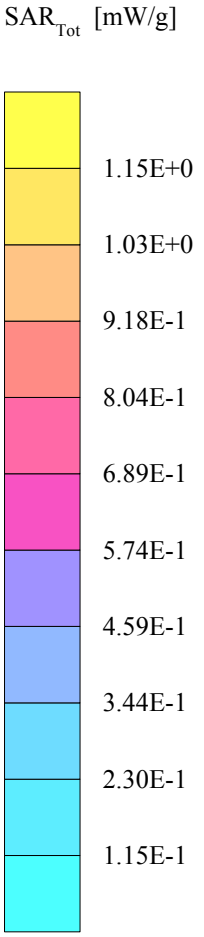
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.981 mW/g, SAR (10g): 0.525 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

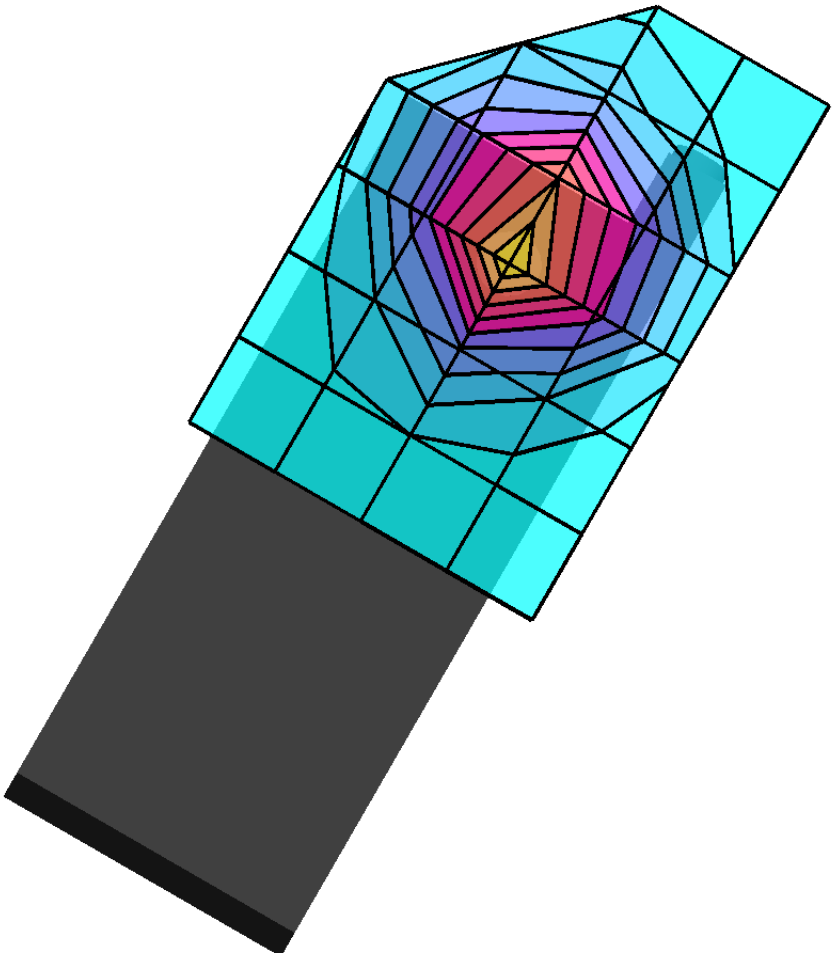
Powerdrift: -0.15 dB





KWC-2325, Head 1900MHz, Left Tilted Position, PCS Ch25, Antenna retracted, 05-15-02

K1.5
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.01 mW/g, SAR (10g): 0.558 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.03 dB



KWC-2325, Head 1900MHz, Left Tilted Position, PCS Ch25, Antenna extended, 05-15-02

K1.5

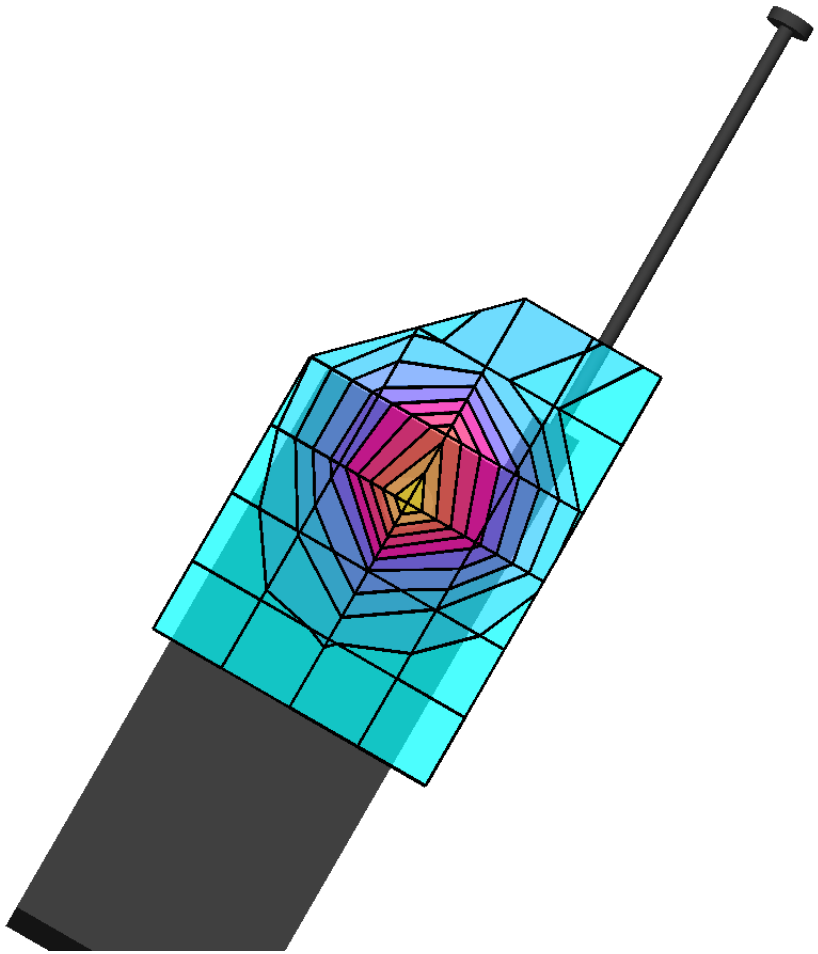
SAM Phantom; Left Hand Section; Position: (80°,60°); Frequency: 1900 MHz

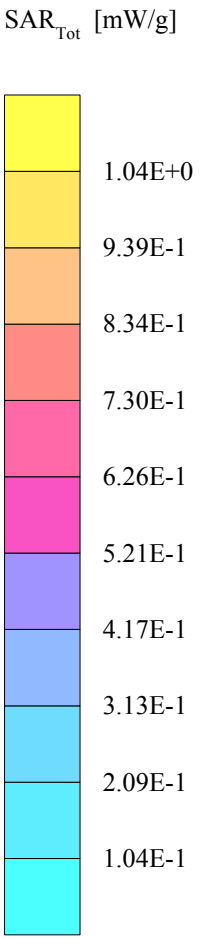
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.930 mW/g, SAR (10g): 0.508 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.07 dB





KWC-2325, Head 835MHz, Right Cheek Position, FM Ch991, Antenna retracted, 05-16-02

K1.5

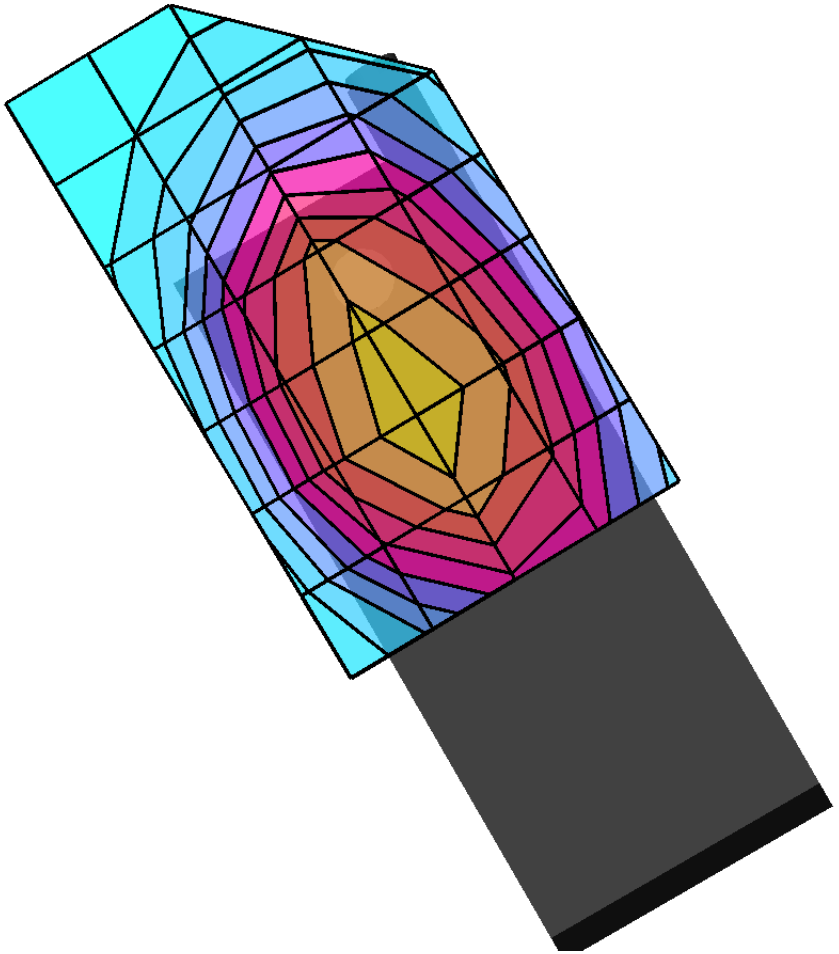
SAM Phantom; Righ Hand Section; Position: (80°,300°); Frequency: 835 MHz

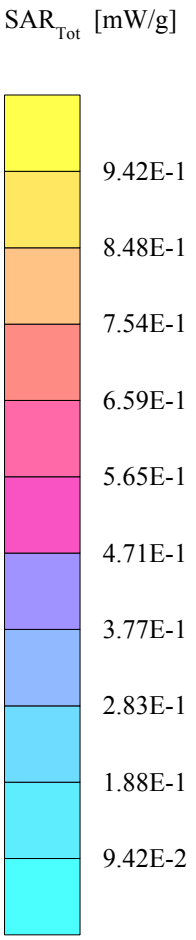
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.885 mW/g, SAR (10g): 0.647 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.01 dB





KWC-2325, Head 835MHz, Right Cheek Position, FM Ch991, Antenna extended, 05-16-02

K1.5

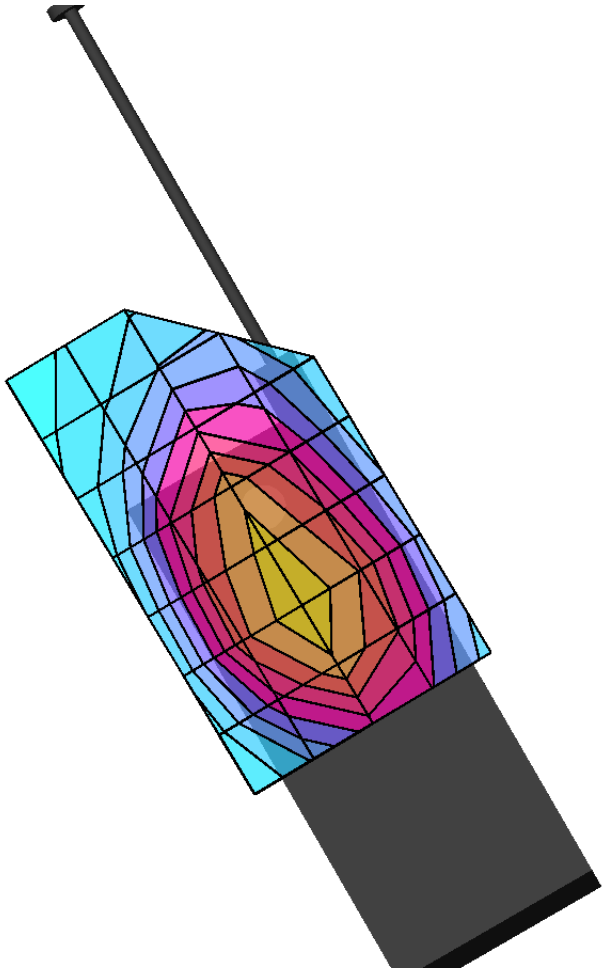
SAM Phantom; Righ Hand Section; Position: (80°,300°); Frequency: 835 MHz

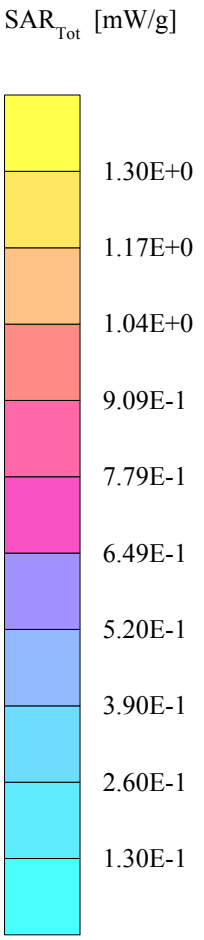
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.22 mW/g, SAR (10g): 0.885 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.09 dB





KWC-2325, Head 835MHz, Right Tilted Position, FM Ch799, Antenna retracted, 05-16-02

K1.5

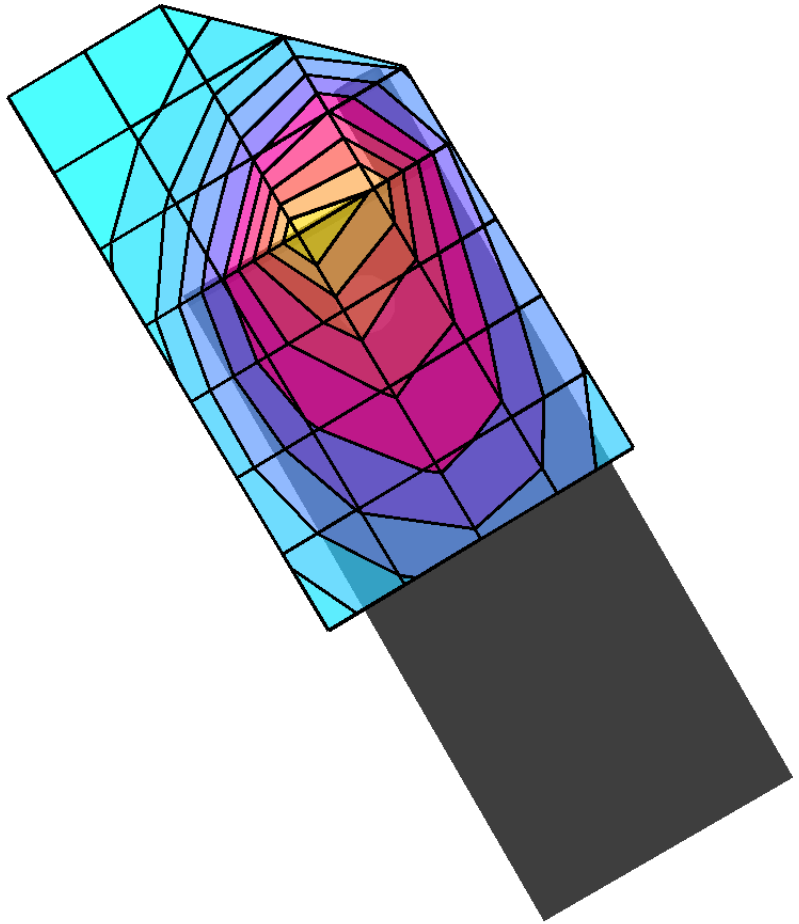
SAM Phantom; Righ Hand Section; Position: (95°,300°); Frequency: 835 MHz

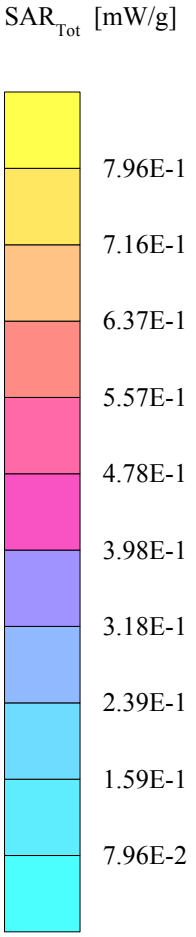
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.747 mW/g, SAR (10g): 0.460 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.13 dB





KWC-2325, Head 835MHz, Right Tilted Position, FM Ch991, Antenna extended, 05-16-02

K1.5

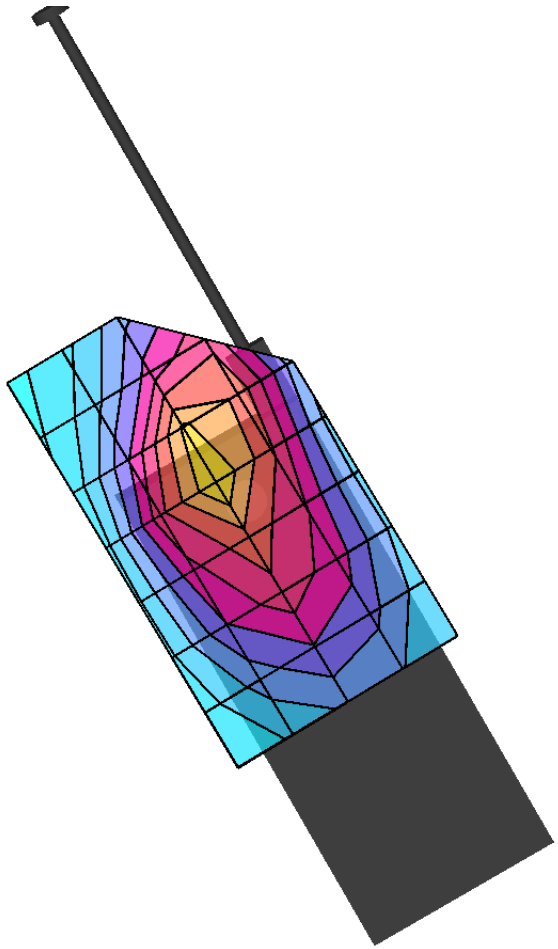
SAM Phantom; Righ Hand Section; Position: (95°,300°); Frequency: 835 MHz

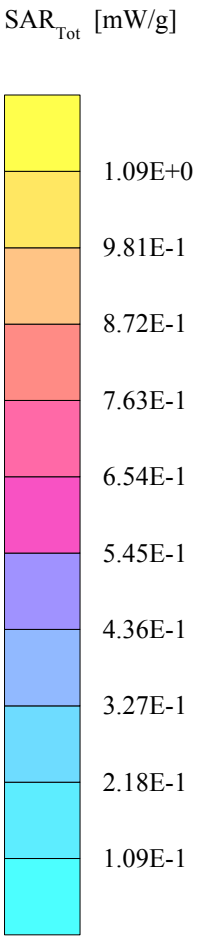
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.06 mW/g, SAR (10g): 0.679 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.05 dB





KWC-2325, Head 835MHz, Right Cheek Position, CDMA Ch1013, Antenna retracted, 05-16-02

K1.5

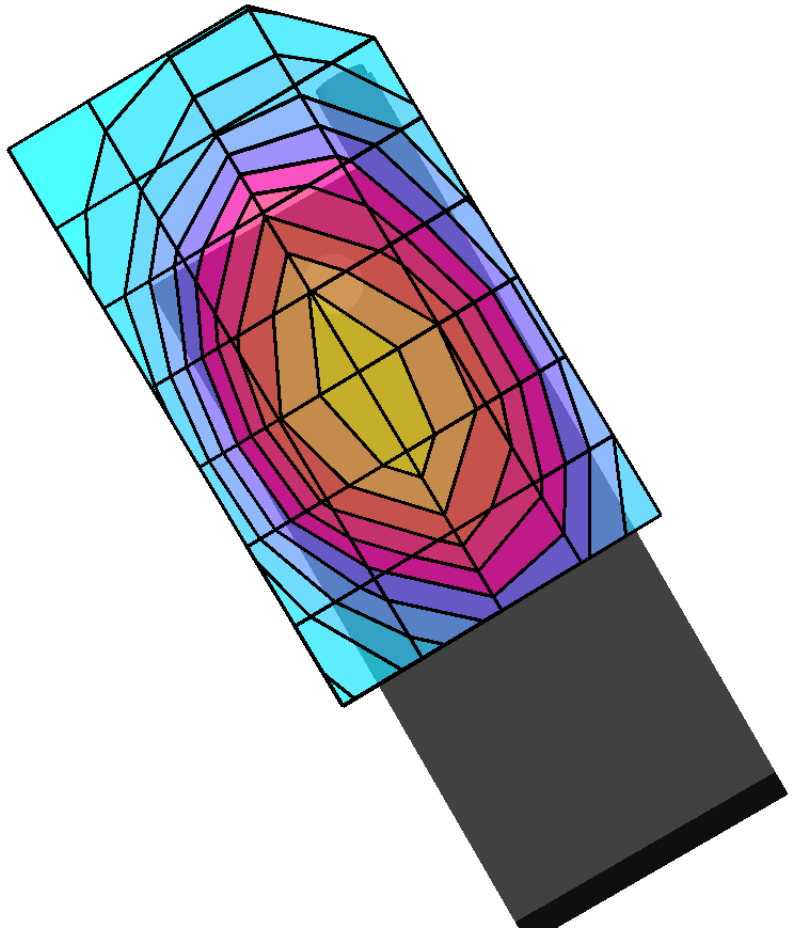
SAM Phantom; Righ Hand Section; Position: (80°,300°); Frequency: 835 MHz

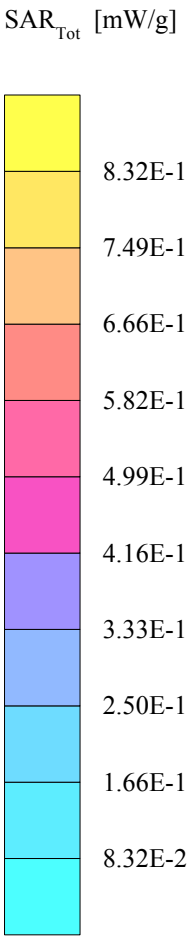
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.792 mW/g, SAR (10g): 0.580 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.00 dB





KWC-2325, Head 835MHz, Right Cheek Position, CDMA Ch1013, Antenna extented, 05-16-02

K1.5

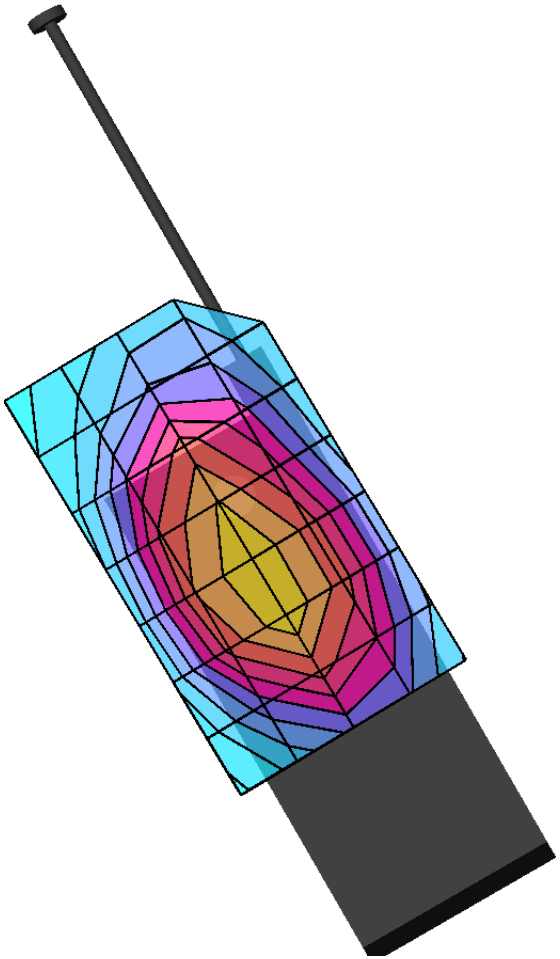
SAM Phantom; Righ Hand Section; Position: (80°,300°); Frequency: 835 MHz

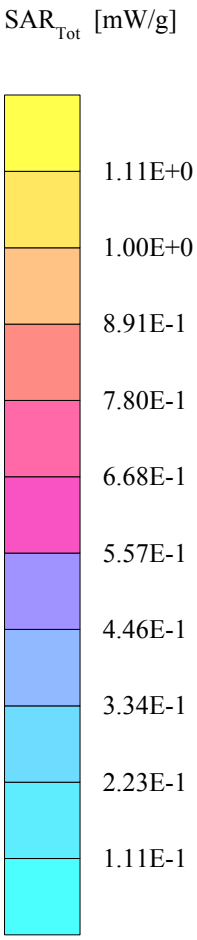
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 1.07 mW/g, SAR (10g): 0.776 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

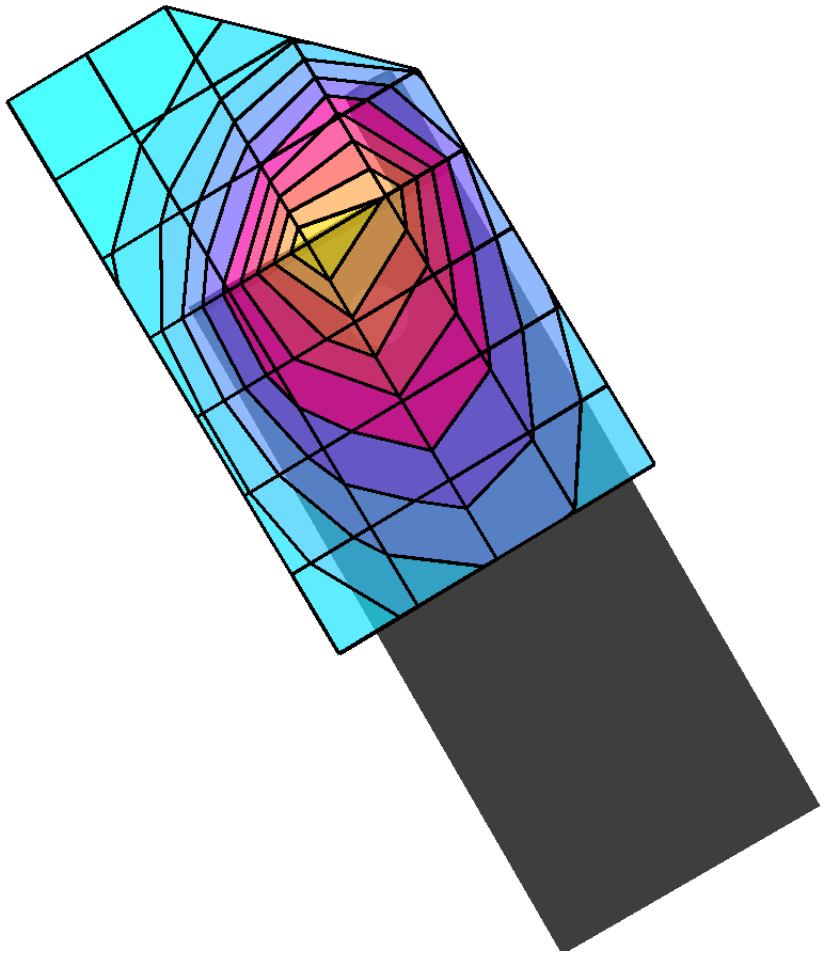
Powerdrift: 0.09 dB

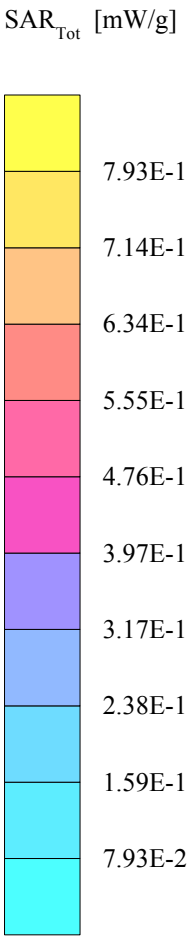




KWC-2325, Head 835MHz, Right Tilted Position, CDMA Ch383, Antenna retracted, 05-16-02

K1.5
SAM Phantom; Righ Hand Section; Position: (95°,300°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.743 mW/g, SAR (10g): 0.465 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.14 dB





KWC-2325, Head 835MHz, Right Tilted Position, CDMA Ch1013, Antenna extended, 05-16-02

K1.5

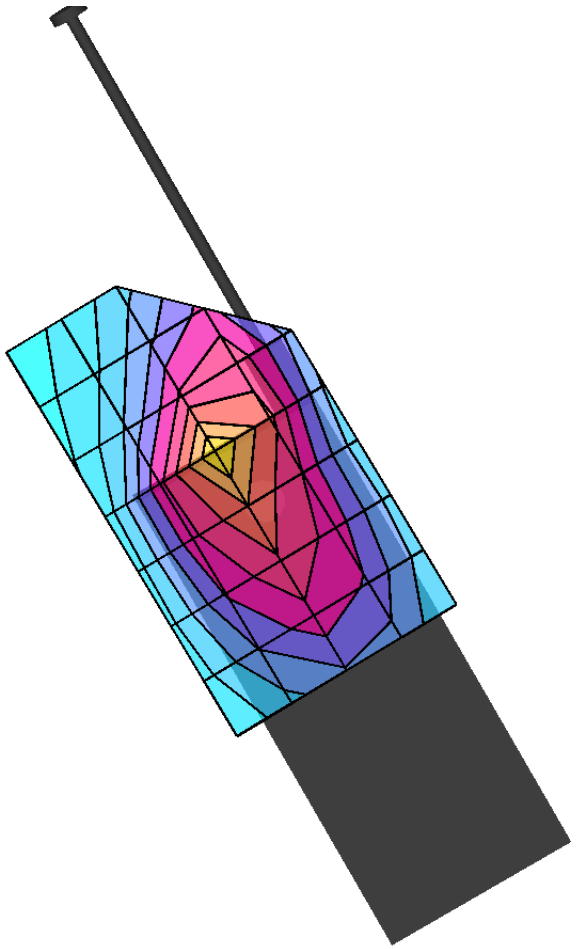
SAM Phantom; Righ Hand Section; Position: (95°,300°); Frequency: 835 MHz

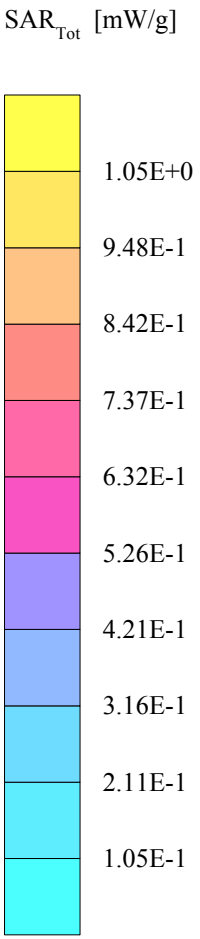
Probe: ET3DV6 - SN1663; ConvF(6.70,6.70,6.70); Crest factor: 1.0; Head 835 MHz: σ = 0.88 mho/m ε_r = 41.5 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.972 mW/g, SAR (10g): 0.617 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.00 dB





KWC-2325, Head 1900MHz, Right Cheek Position, PCS Ch25, Antenna retracted, 05-15-02

K1.5

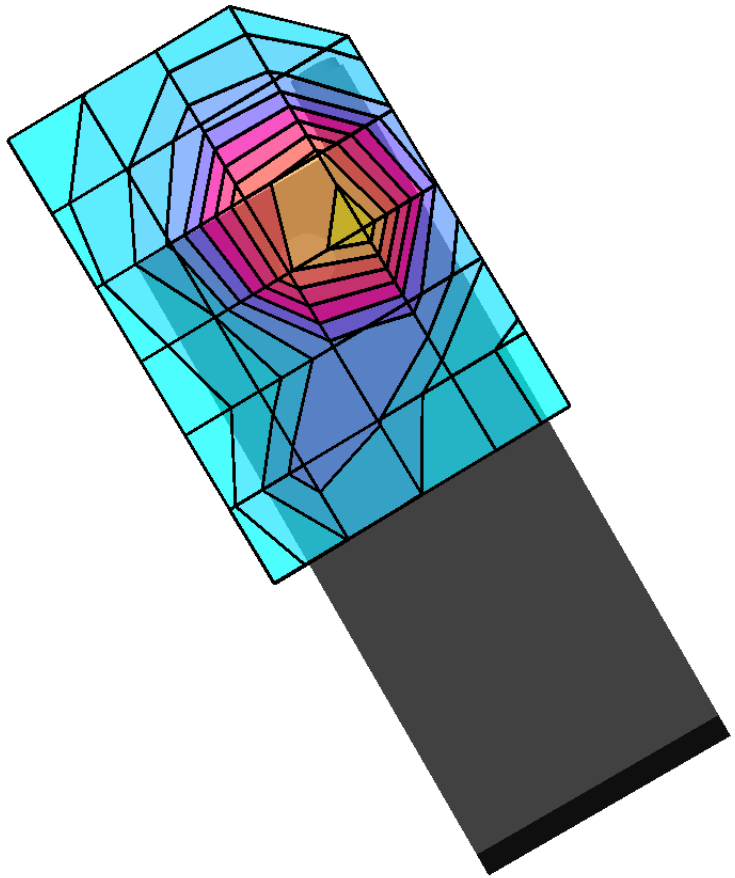
SAM Phantom; Righ Hand Section; Position: (80°,300°); Frequency: 1900 MHz

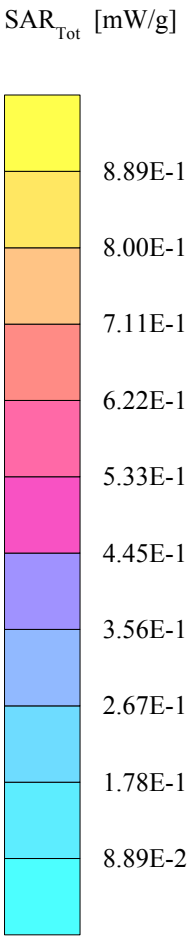
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.862 mW/g, SAR (10g): 0.484 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.07 dB





KWC-2325, Head 1900MHz, Right Cheek Position, PCS Ch25, Antenna extended, 05-15-02

K1.5

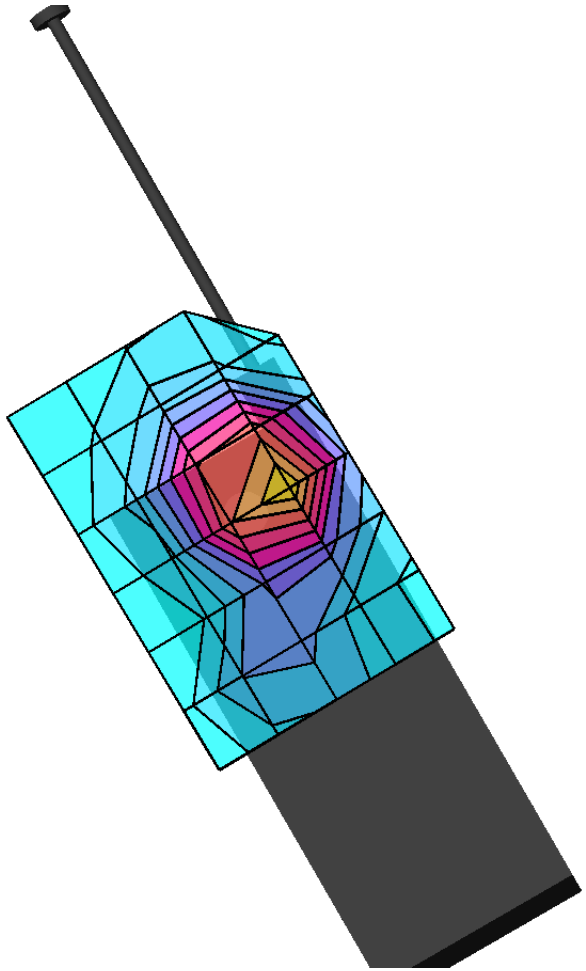
SAM Phantom; Righ Hand Section; Position: (80°,300°); Frequency: 1900 MHz

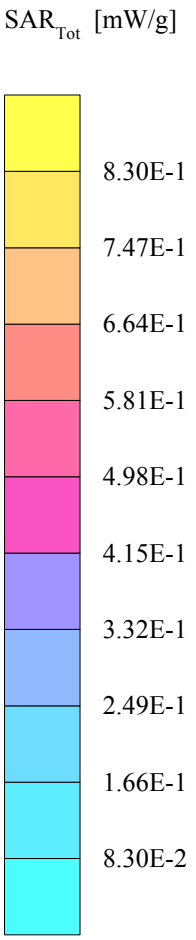
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.817 mW/g, SAR (10g): 0.452 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: 0.06 dB





KWC-2325, Head 1900MHz, Right Tilted Position, PCS Ch25, Antenna retracted, 05-15-02

K1.5

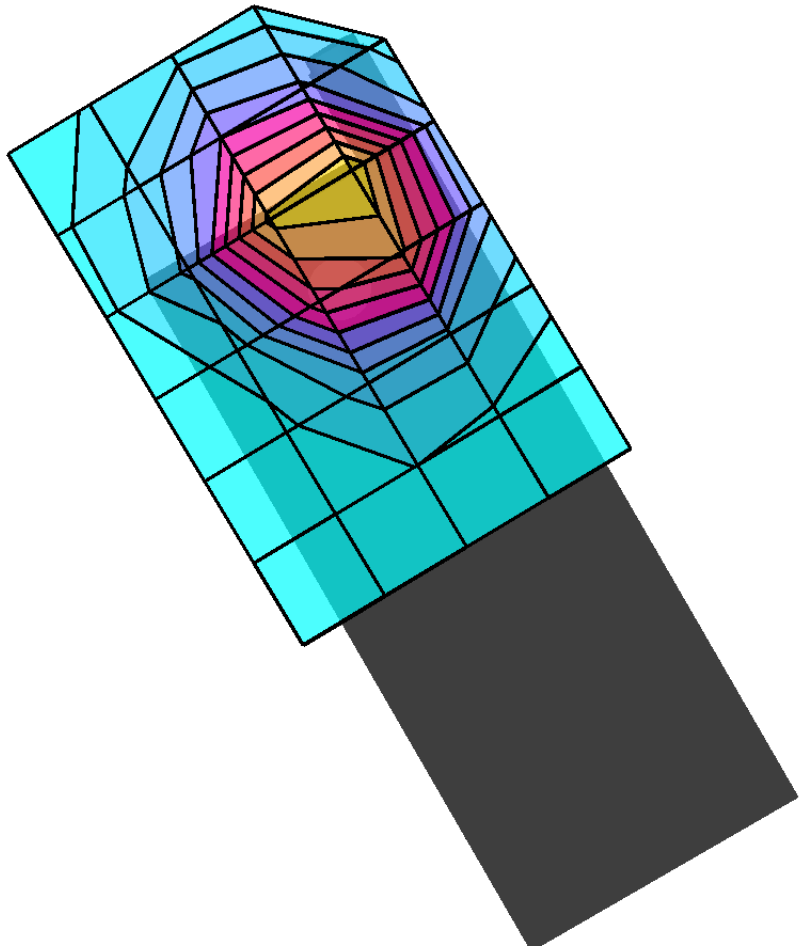
SAM Phantom; Righ Hand Section; Position: (95°,300°); Frequency: 1900 MHz

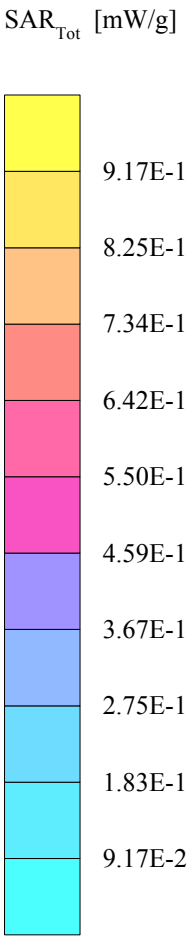
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.915 mW/g, SAR (10g): 0.510 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

Powerdrift: -0.10 dB





KWC-2325, Head 1900MHz, Right Tilted Position, PCS Ch25, Antenna extended, 05-15-02

K1.5

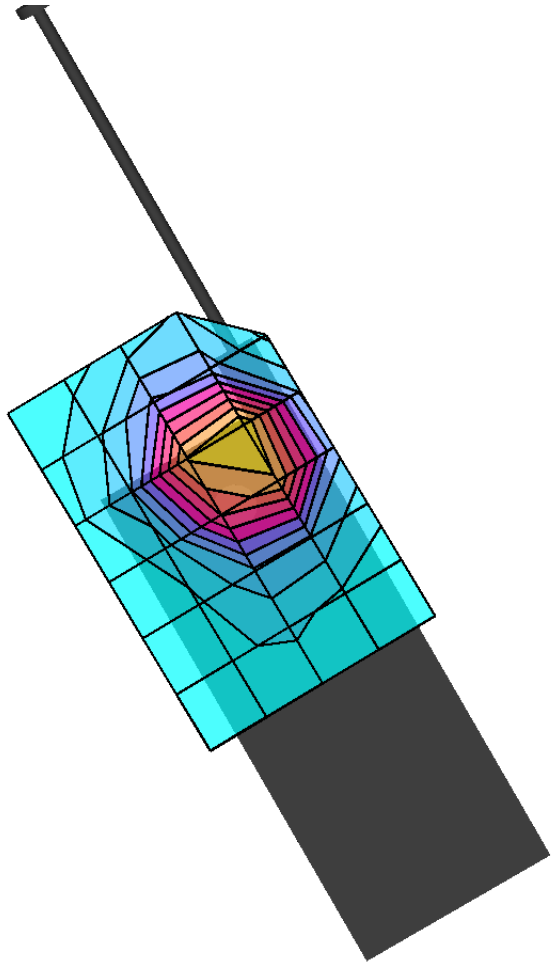
SAM Phantom; Righ Hand Section; Position: (95°,300°); Frequency: 1900 MHz

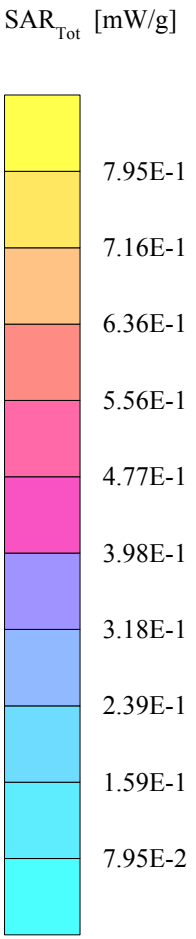
Probe: ET3DV6 - SN1663; ConvF(5.30,5.30,5.30); Crest factor: 1.0; Head 1900 MHz: σ = 1.44 mho/m ε_r = 40.0 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.837 mW/g, SAR (10g): 0.458 mW/g, (Worst-case extrapolation)

Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0

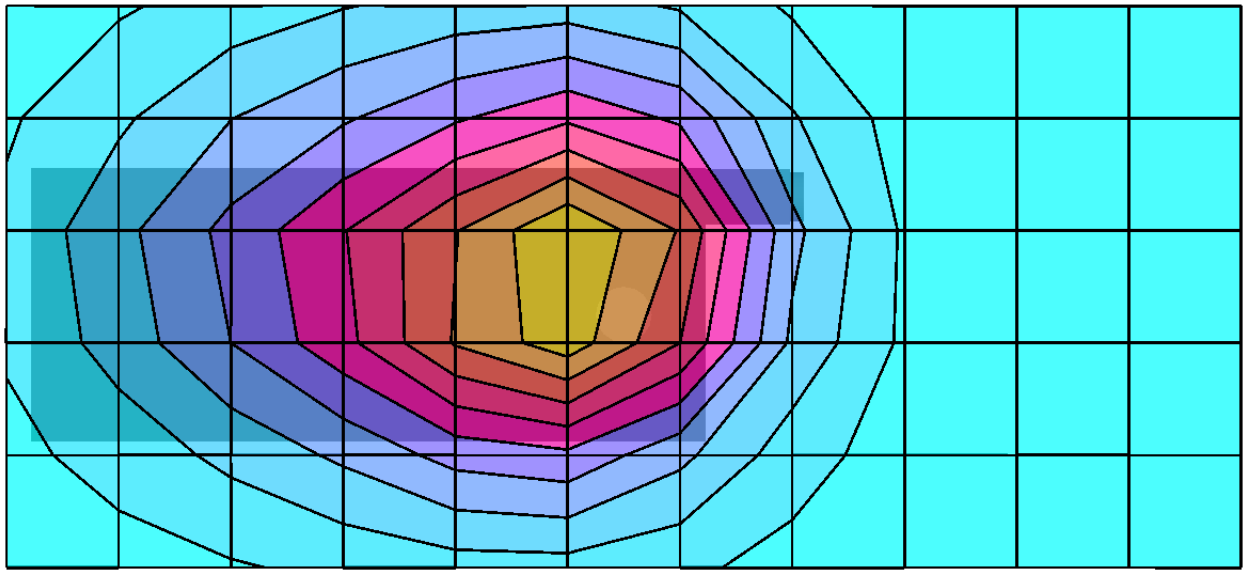
Powerdrift: 0.10 dB





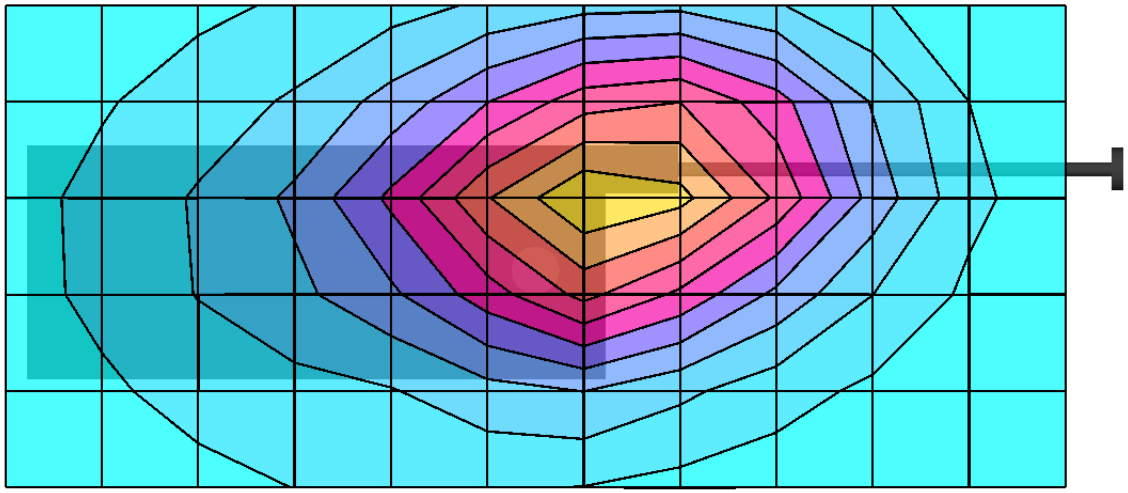
KWC-2325, Muscle 835MHz, Flat Position, With KWC accessoris, FM Ch383, Antenna retracted, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: σ = 0.96 mho/m ε_r = 56.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.310 mW/g, SAR (10g): 0.220 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.32 dB



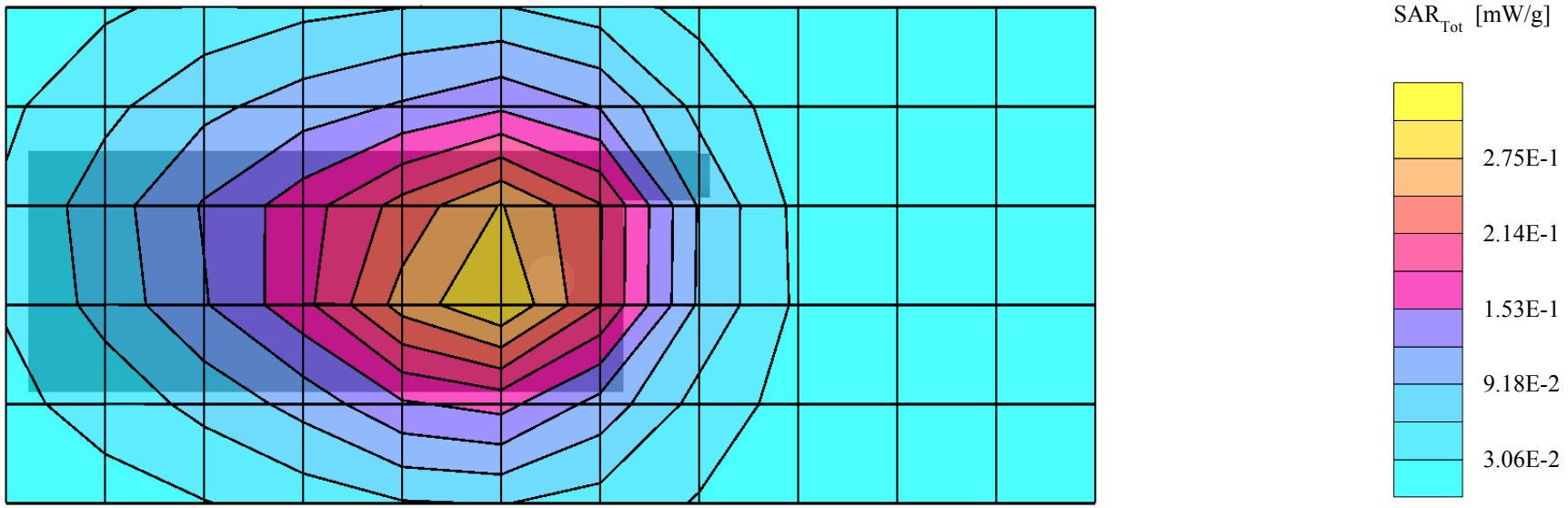
KWC-2325, Muscle 835MHz, Flat Position, With KWC accessoris, FM Ch991, Antenna extended, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.96$ mho/m $\varepsilon_r = 56.1$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.360 mW/g, SAR (10g): 0.256 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.02 dB



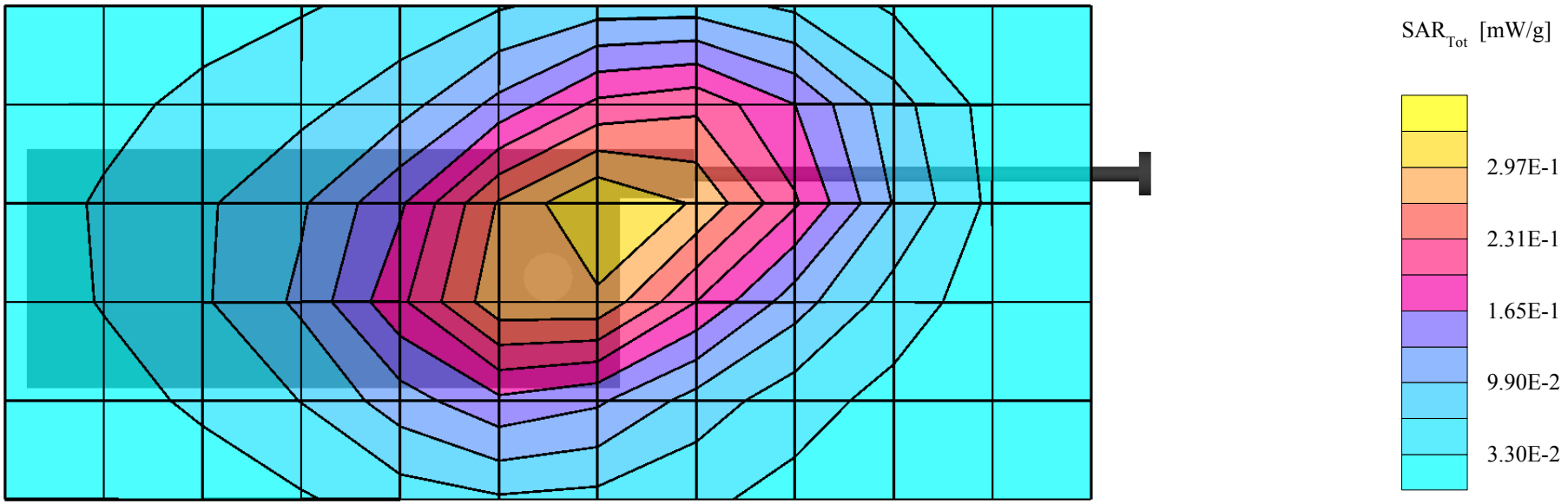
KWC-2325, Muscle 835MHz, Flat Position, With KWC accessoris, CDMA Ch383, Antenna retracted, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: σ = 0.96 mho/m ε_r = 56.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.287 mW/g, SAR (10g): 0.205 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.18 dB



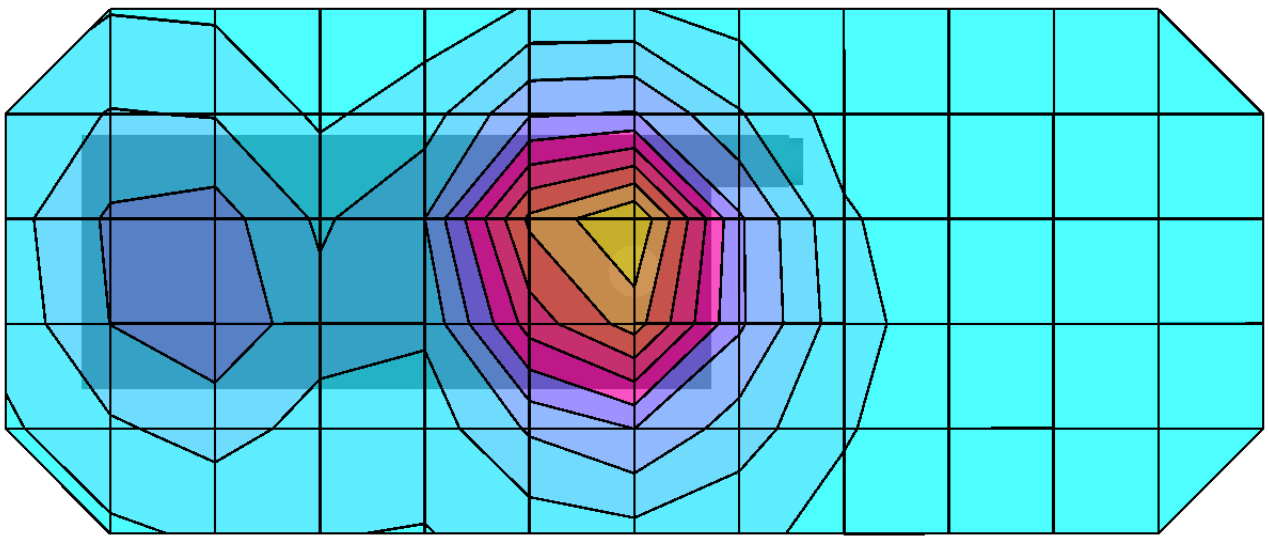
KWC-2325, Muscle 835MHz, Flat Position, With KWC accessoris, CDMA Ch383, Antenna extended, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: $\sigma = 0.96$ mho/m $\varepsilon_r = 56.1$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 0.324 mW/g, SAR (10g): 0.231 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.07 dB



KWC-2325, Muscle 1900MHz, Flat Position, With KWC accessoris, PCS Ch25, Antenna retracted, 05-16-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.77,4.77,4.77); Crest factor: 1.0; Muscle 1900 MHz: σ = 1.54 mho/m ε_r = 54.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.197 mW/g, SAR (10g): 0.120 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.19 dB



KWC-2325, Muscle 1900MHz, Flat Position, With KWC accessoris, PCS Ch25, Antenna extended, 05-16-02

K1.5 Waist

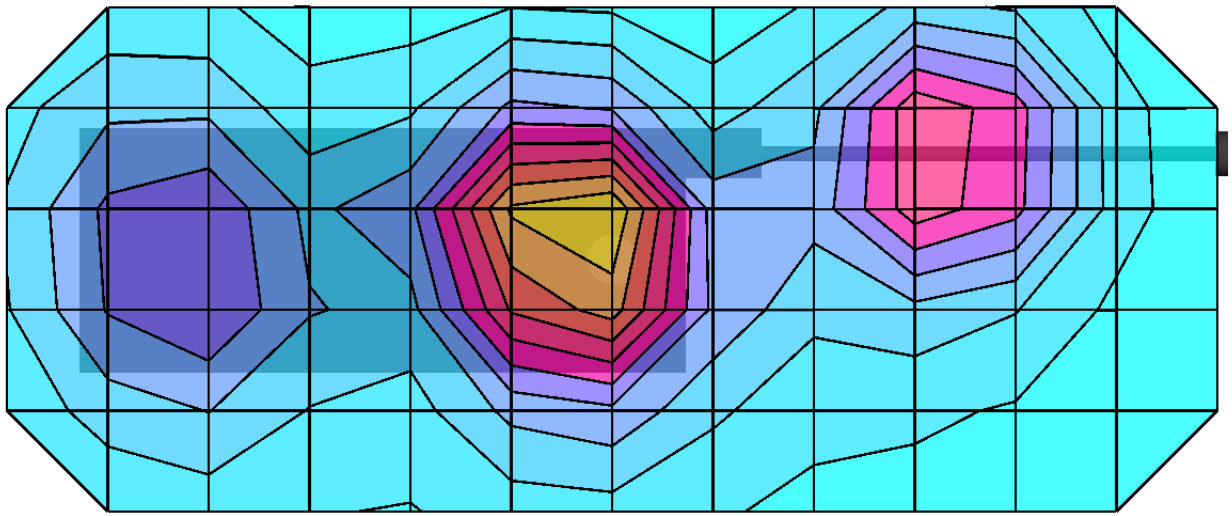
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz

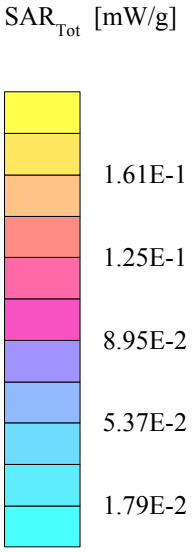
Probe: ET3DV6 - SN1663; ConvF(4.77,4.77,4.77); Crest factor: 1.0; Muscle 1900 MHz: σ = 1.54 mho/m ε_r = 54.2 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.199 mW/g, SAR (10g): 0.118 mW/g, (Worst-case extrapolation)

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

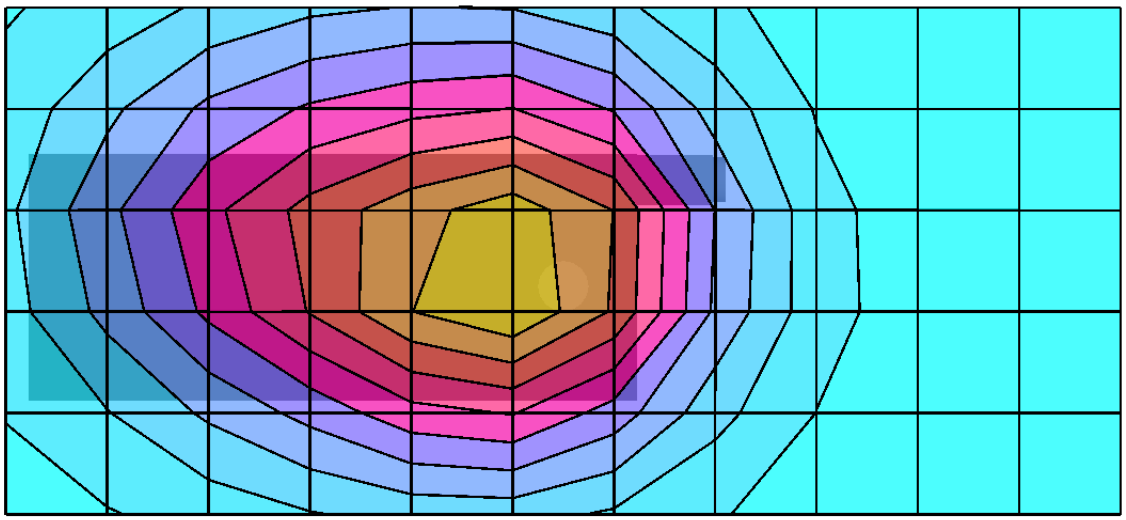
Powerdrift: 0.10 dB





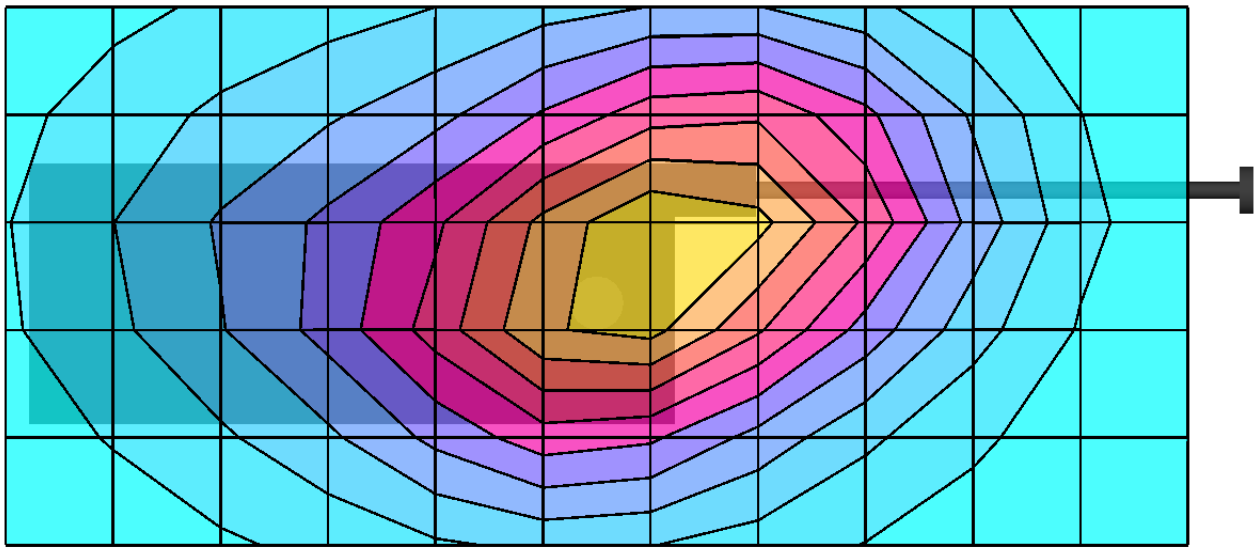
KWC-2325, Muscle 835MHz, Flat Position, 22.5mm separation, FM Ch799, Antenna retracted, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: σ = 0.96 mho/m ε_r = 56.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.217 mW/g, SAR (10g): 0.157 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.23 dB



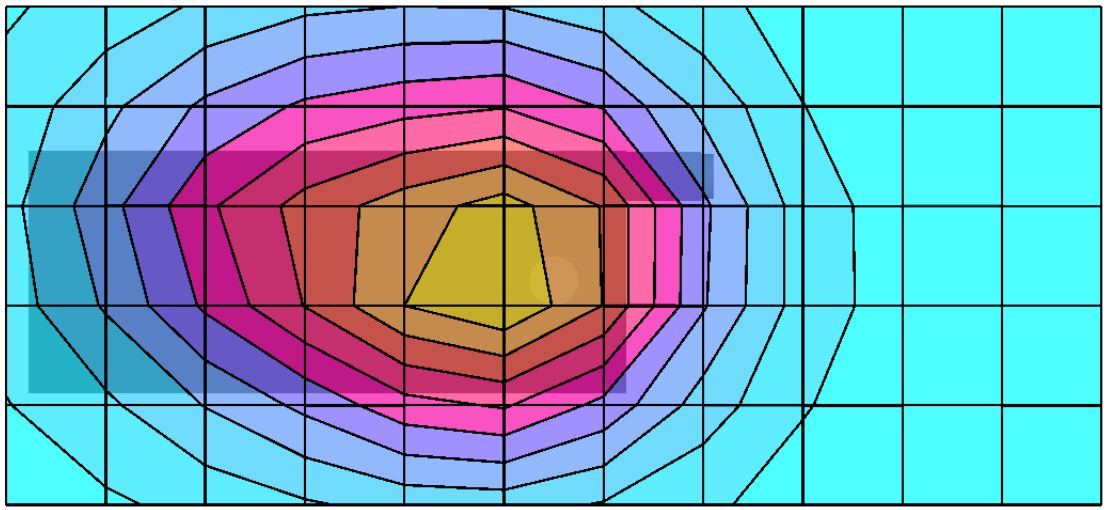
KWC-2325, Muscle 835MHz, Flat Position, 22.5mm separation, FM Ch799, Antenna extended, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: σ = 0.96 mho/m ε_r = 56.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.267 mW/g, SAR (10g): 0.193 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.17 dB



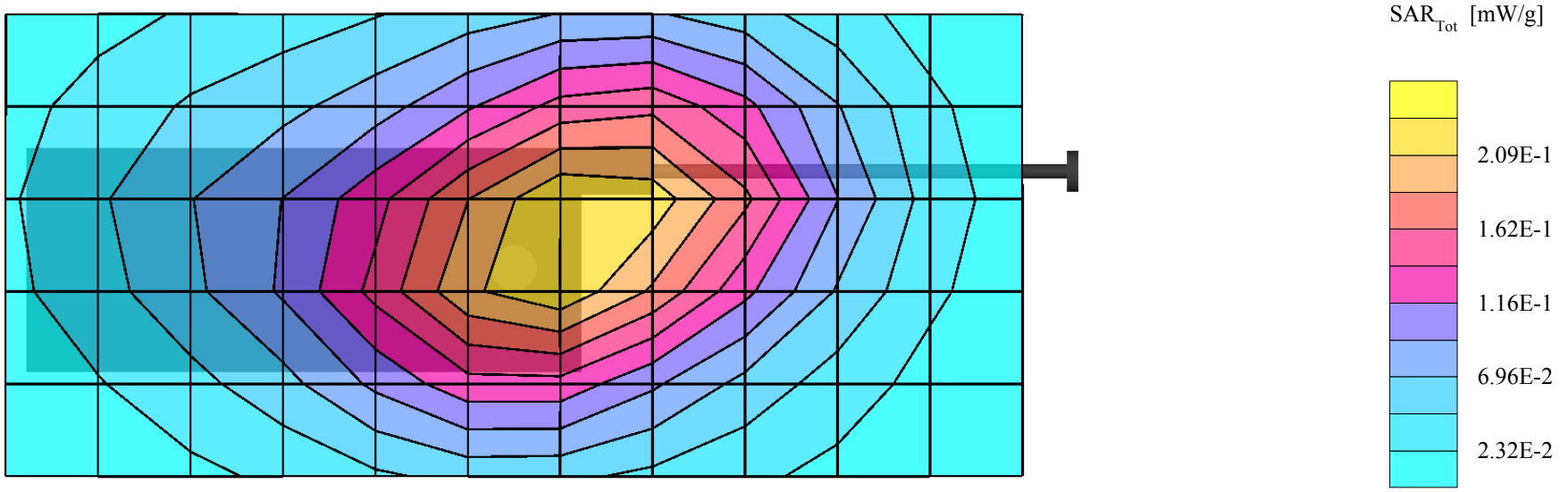
KWC-2325, Muscle 835MHz, Flat Position, 22.5mm separation, CDMA Ch777, Antenna retracted, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: σ = 0.96 mho/m ε_r = 56.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.190 mW/g, SAR (10g): 0.137 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.04 dB



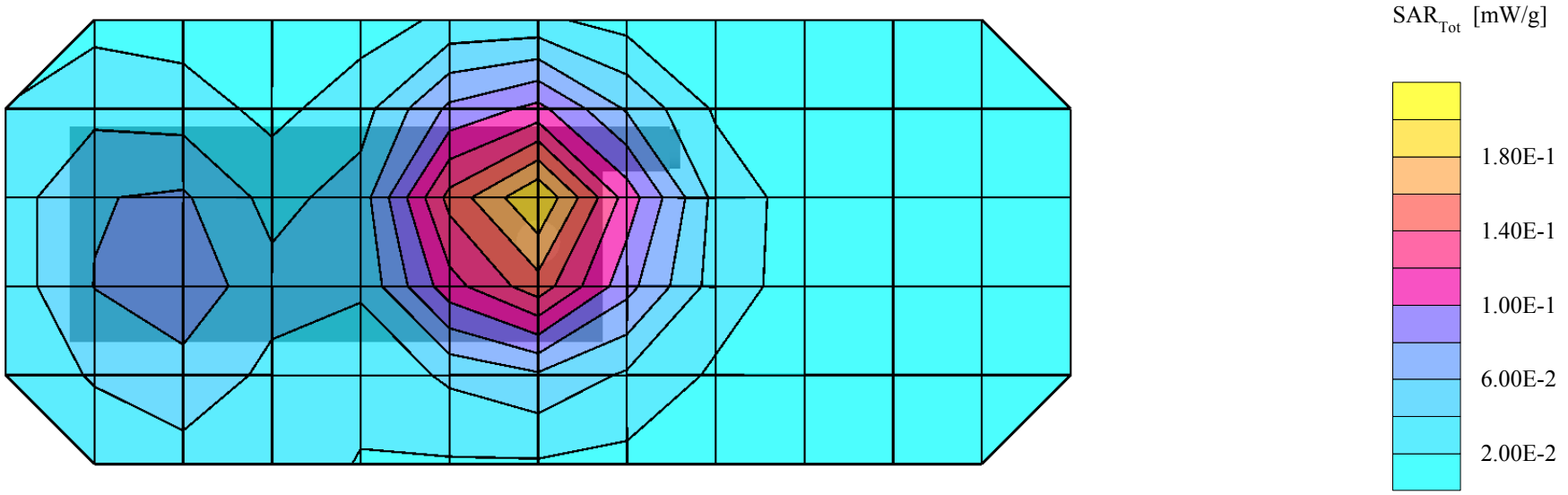
KWC-2325, Muscle 835MHz, Flat Position, 22.5mm separation, CDMA Ch777, Antenna extended, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 835 MHz
Probe: ET3DV6 - SN1663; ConvF(6.50,6.50,6.50); Crest factor: 1.0; Muscle 835 MHz: σ = 0.96 mho/m ε_r = 56.1 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.228 mW/g, SAR (10g): 0.165 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.03 dB



KWC-2325, Muscle 1900MHz, Flat Position, 22.5mm separation, PCS Ch25, Antenna retracted, 05-17-02

K1.5 Waist
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1663; ConvF(4.77,4.77,4.77); Crest factor: 1.0; Muscle 1900 MHz: σ = 1.54 mho/m ε_r = 54.2 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 0.182 mW/g, SAR (10g): 0.114 mW/g, (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: -0.08 dB



KWC-2325, Muscle 1900MHz, Flat Position, 22.5mm separation, PCS Ch25, Antenna extended, 05-17-02

K1.5 Waist

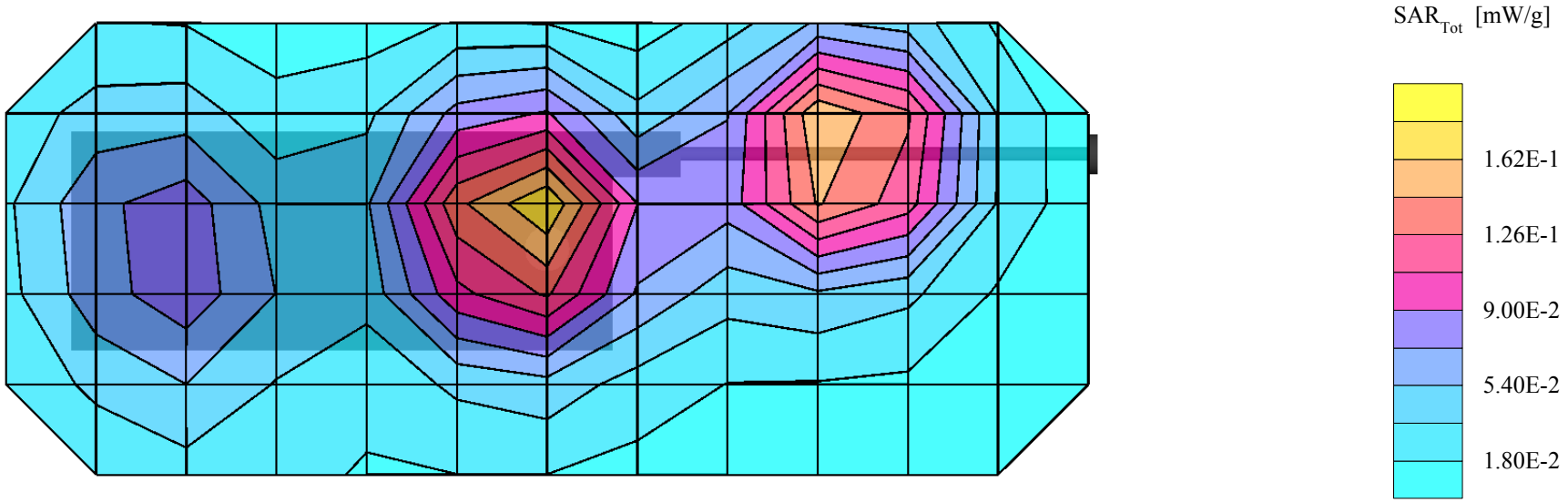
SAM Phantom; Flat Section; Position: (90°,90°); Frequency: 1900 MHz

Probe: ET3DV6 - SN1663; ConvF(4.77,4.77,4.77); Crest factor: 1.0; Muscle 1900 MHz: σ = 1.54 mho/m ε_r = 54.2 ρ = 1.00 g/cm^3

Cube 7x7x7: SAR (1g): 0.168 mW/g, SAR (10g): 0.104 mW/g, (Worst-case extrapolation)

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

Powerdrift: 0.03 dB



APPENDIX C: PROBE CALIBRATION CERTIFICATE

Schmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland, Phone +41 1 245 97 00, Fax +41 1 245 97 79

Calibration Certificate

Dosimetric E-Field Probe

Type:	**ET3DV6**
Serial Number:	**1663**
Place of Calibration:	**Zurich**
Date of Calibration:	**February 21, 2002**
Calibration Interval:	**12 months**

asset#
039933

Schmid & Partner Engineering AG hereby certifies, that this device has been calibrated on the date indicated above. The calibration was performed in accordance with specifications and procedures of Schmid & Partner Engineering AG.

Wherever applicable, the standards used in the calibration process are traceable to international standards. In all other cases the standards of the Laboratory for EMF and Microwave Electronics at the Swiss Federal Institute of Technology (ETH) in Zurich, Switzerland have been applied.

Calibrated by:

Approved by:

Schmid & Partner
Engineering AG

Zeughausstrasse 43, 8004 Zurich, Switzerland, Telephone +41 1 245 97 00, Fax +41 1 245 97 79

Probe ET3DV6

SN:1663

Manufactured: February 8, 2002
Last calibration: February 21, 2002

Calibrated for System DASY3

DASY3 - Parameters of Probe: ET3DV6 SN:1663

Sensitivity in Free Space

NormX	**1.84** $\mu V/(V/m)^2$
NormY	**1.83** $\mu V/(V/m)^2$
NormZ	**1.64** $\mu V/(V/m)^2$

Diode Compression

DCP X	**100**	mV
DCP Y	**100**	mV
DCP Z	**100**	mV

Sensitivity in Tissue Simulating Liquid

Head	**900 MHz**	ε_r = **41.5 ± 5%**	σ = **0.97 ± 5% mho/m**
Head	**835 MHz**	ε_r = **41.5 ± 5%**	σ = **0.90 ± 5% mho/m**

ConvF X	**6.7** ± 9.5% (k=2)	Boundary effect:	
ConvF Y	**6.7** ± 9.5% (k=2)	Alpha	**0.34**
ConvF Z	**6.7** ± 9.5% (k=2)	Depth	**2.52**

Head	**1800 MHz**	ε_r = **40.0 ± 5%**	σ = **1.40 ± 5% mho/m**
Head	**1900 MHz**	ε_r = **40.0 ± 5%**	σ = **1.40 ± 5% mho/m**

ConvF X	**5.3** ± 9.5% (k=2)	Boundary effect:	
ConvF Y	**5.3** ± 9.5% (k=2)	Alpha	**0.48**
ConvF Z	**5.3** ± 9.5% (k=2)	Depth	**2.34**

Boundary Effect

Head **900 MHz** **Typical SAR gradient: 5 % per mm**

Probe Tip to Boundary		**1 mm**	**2 mm**
SAR_{be} [%]	Without Correction Algorithm	8.8	5.0
SAR_{be} [%]	With Correction Algorithm	0.3	0.5

Head **1800 MHz** **Typical SAR gradient: 10 % per mm**

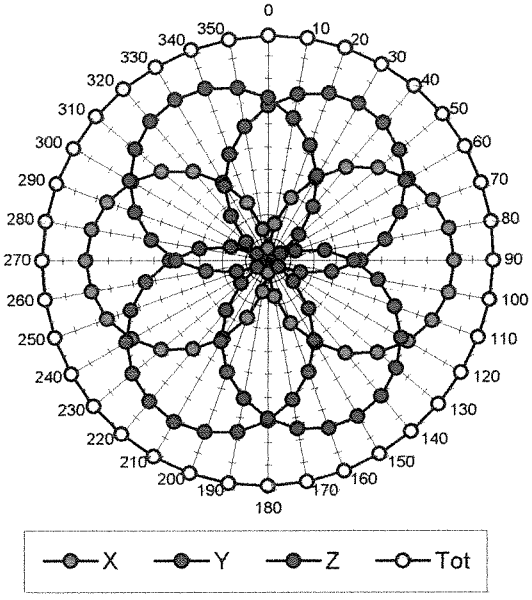
Probe Tip to Boundary		**1 mm**	**2 mm**
SAR_{be} [%]	Without Correction Algorithm	10.8	7.1
SAR_{be} [%]	With Correction Algorithm	0.1	0.3

Sensor Offset

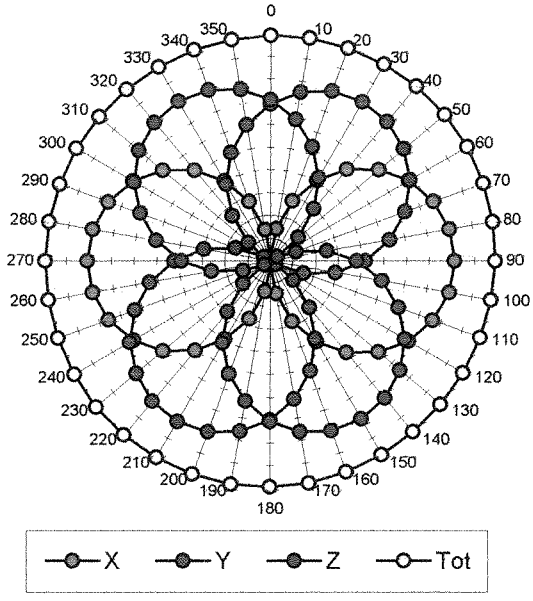
Probe Tip to Sensor Center	**2.7**	mm
Optical Surface Detection	**1.0 ± 0.2**	mm

Receiving Pattern (ϕ), θ = 0°

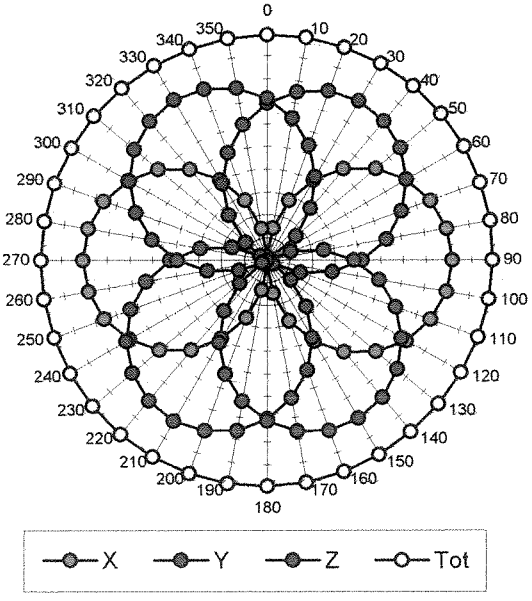
f = 30 MHz, TEM cell ifi110



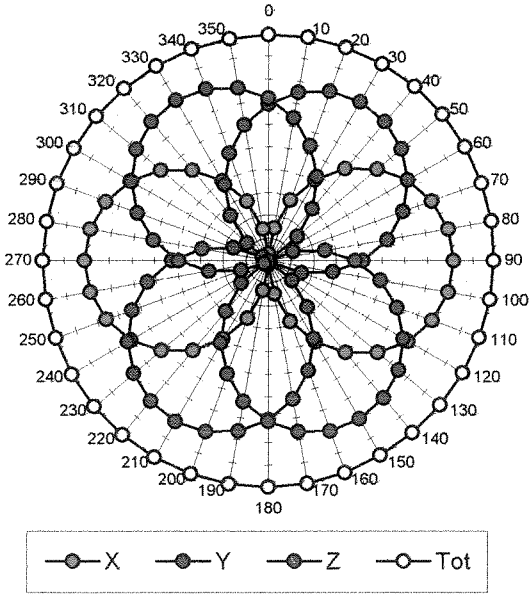
f = 100 MHz, TEM cell ifi110

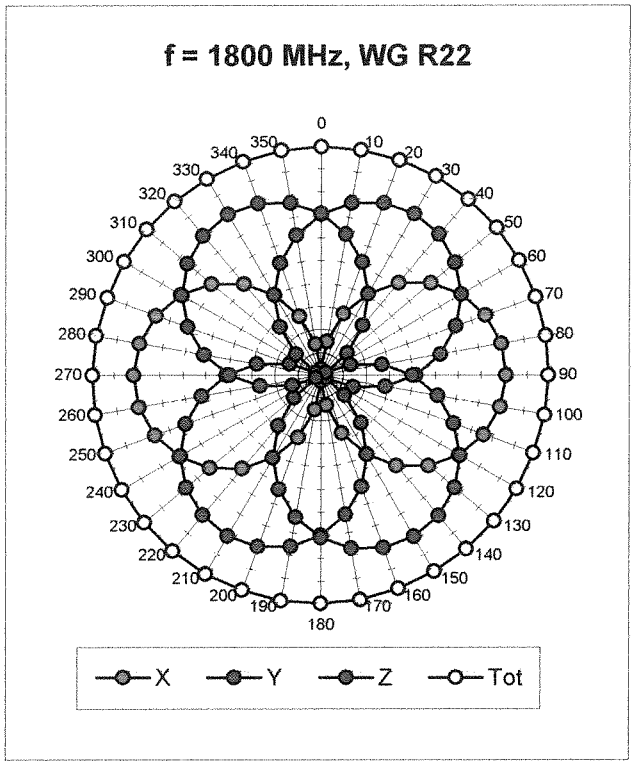


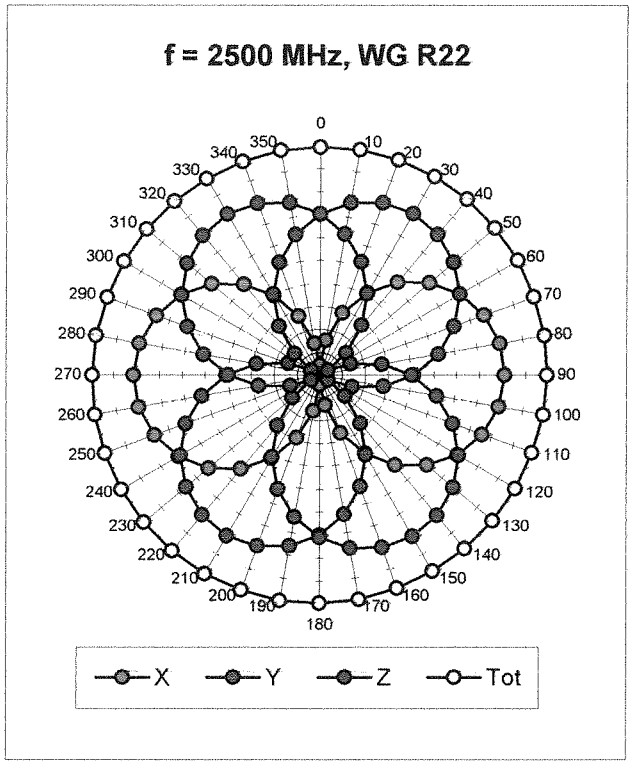
f = 300 MHz, TEM cell ifi110



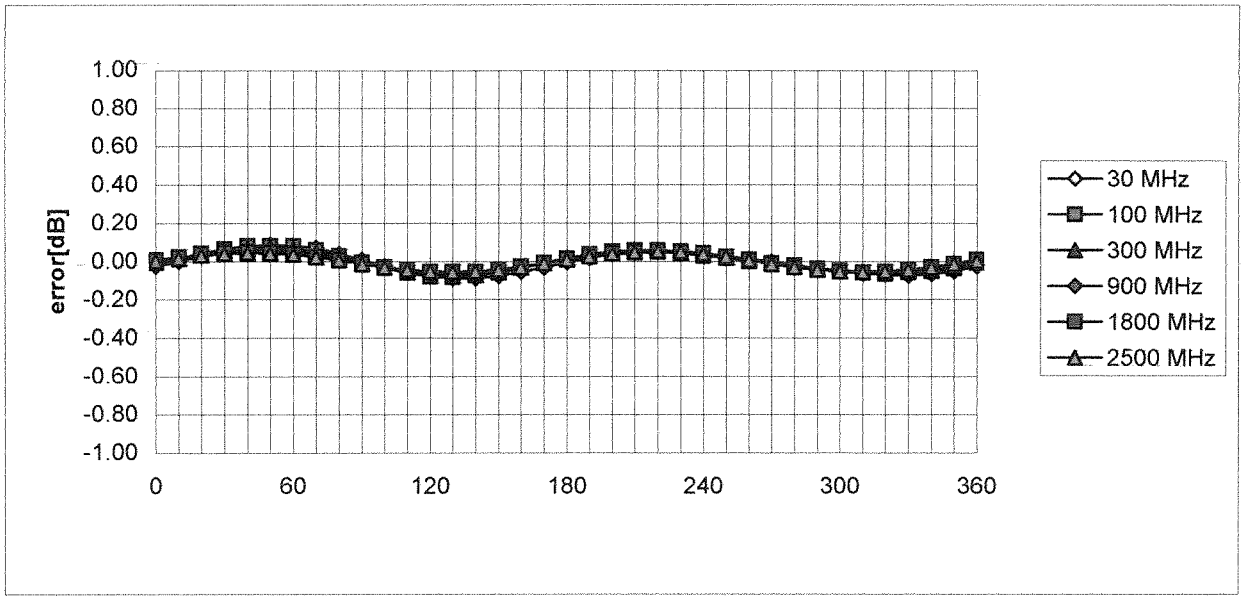
f = 900 MHz, TEM cell ifi110





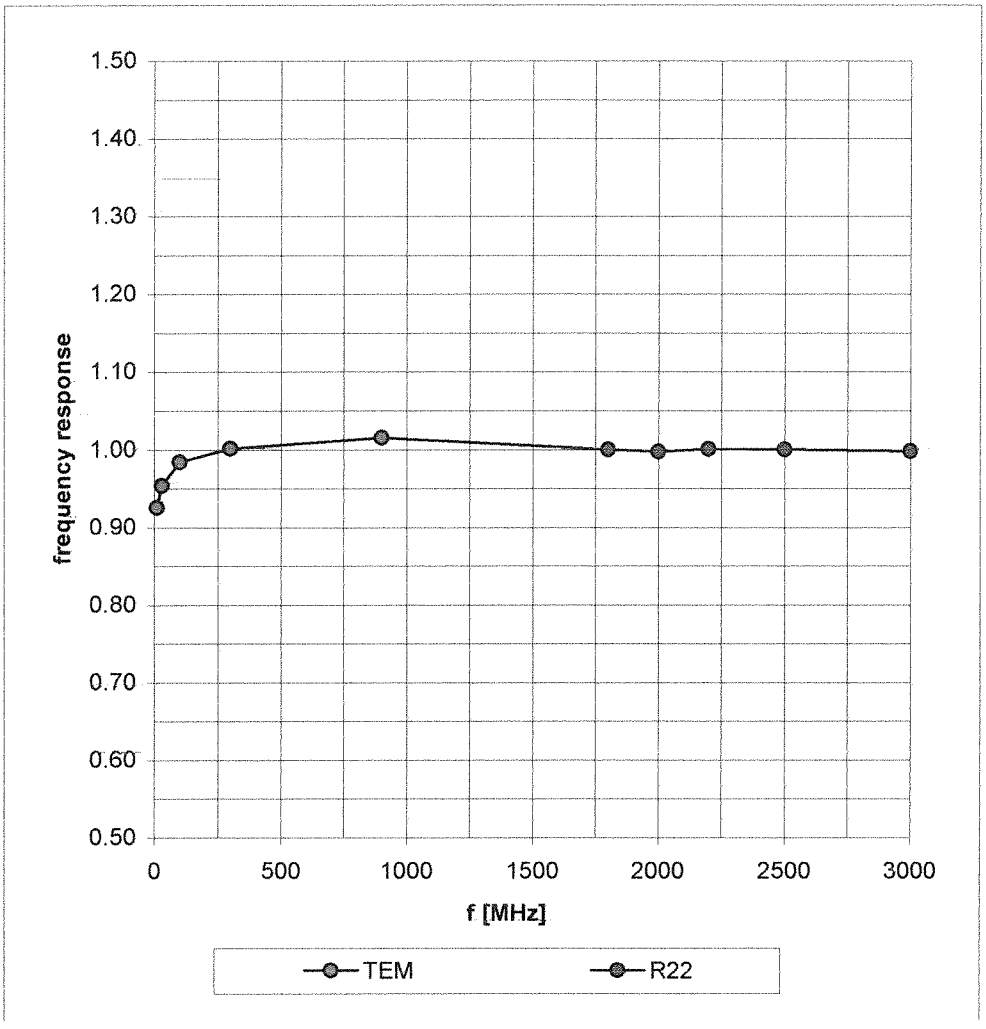


Isotropy Error (ϕ), θ = 0°



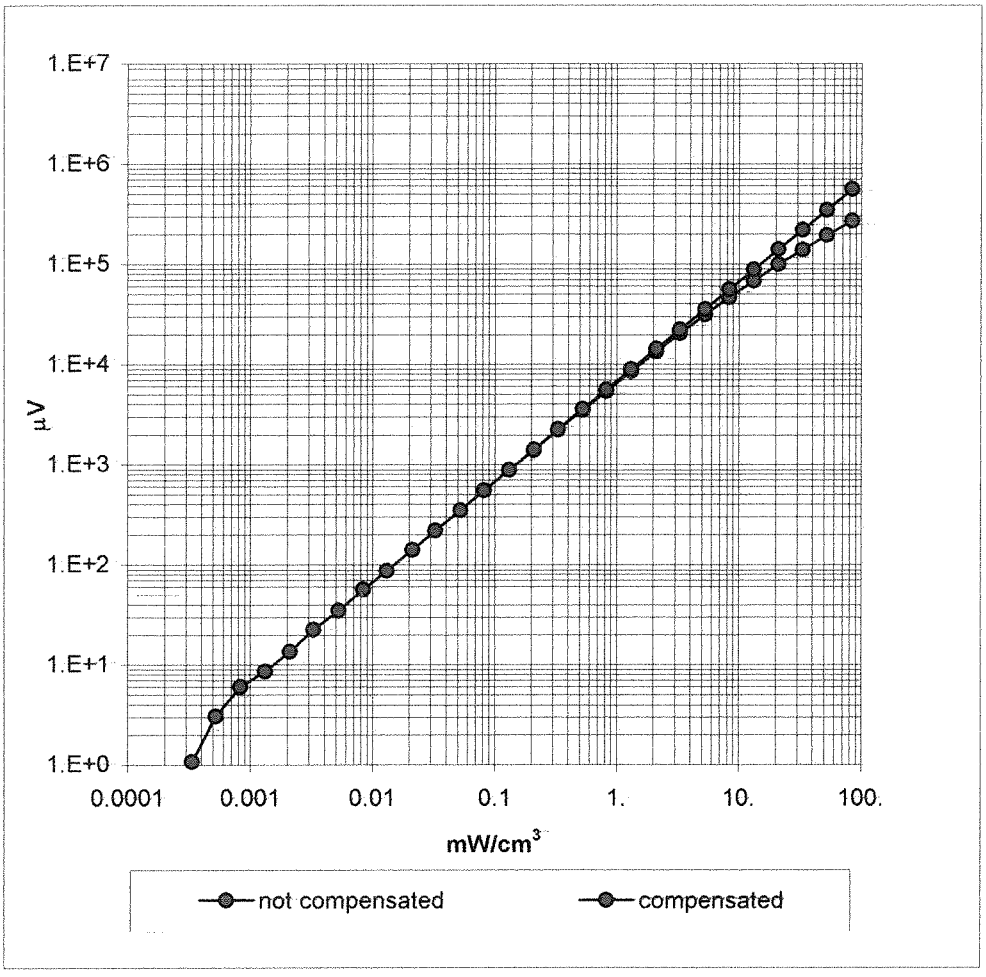
Frequency Response of E-Field

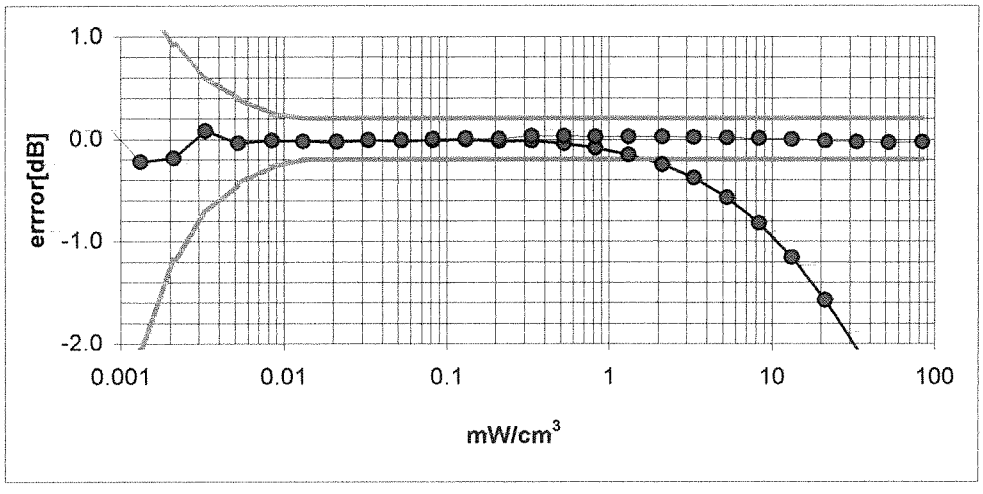
(TEM-Cell:ifi110, Waveguide R22)



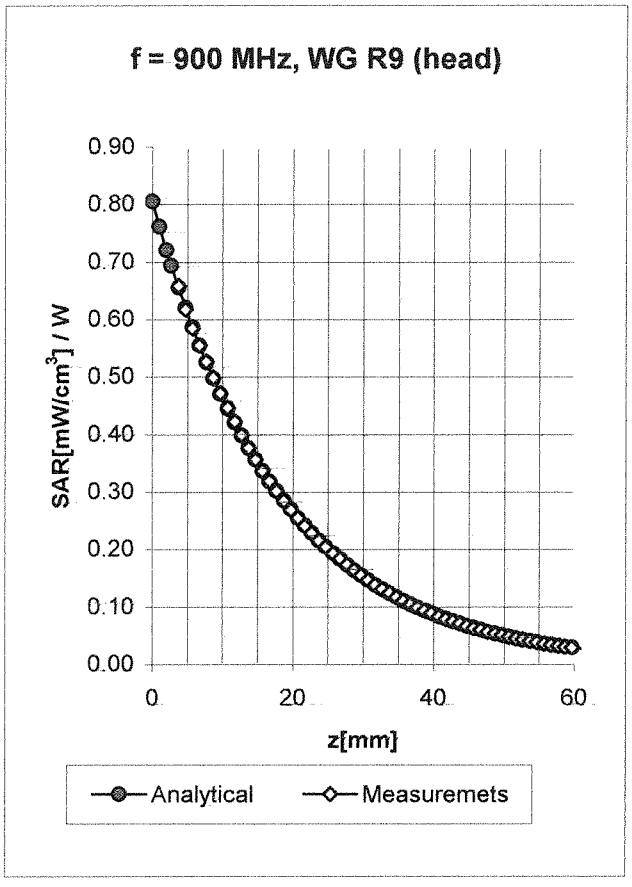
Dynamic Range f(SAR_{brain})

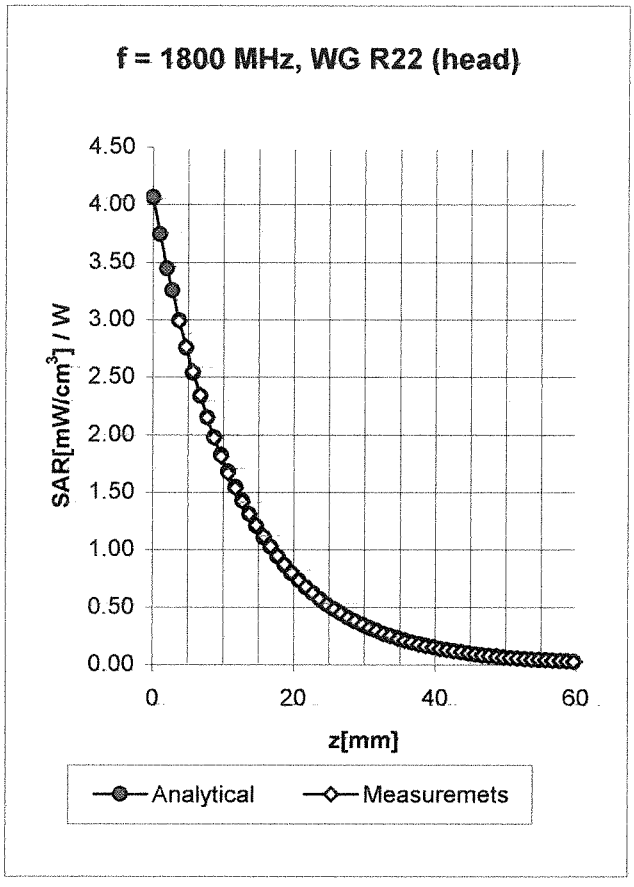
(Waveguide R22)





Conversion Factor Assessment





Head	**900 MHz**	ε_r = **41.5 ± 5%**	σ = **0.97 ± 5% mho/m**	
Head	**835 MHz**	ε_r = **41.5 ± 5%**	σ = **0.90 ± 5% mho/m**	
	ConvF X	**6.7** ± 9.5% (k=2)	Boundary effect:	
	ConvF Y	**6.7** ± 9.5% (k=2)	Alpha	**0.34**
	ConvF Z	**6.7** ± 9.5% (k=2)	Depth	**2.52**

Head	**1800 MHz**	ε_r = **40.0 ± 5%**	σ = **1.40 ± 5% mho/m**	
Head	**1900 MHz**	ε_r = **40.0 ± 5%**	σ = **1.40 ± 5% mho/m**	
	ConvF X	**5.3** ± 9.5% (k=2)	Boundary effect:	
	ConvF Y	**5.3** ± 9.5% (k=2)	Alpha	**0.48**
	ConvF Z	**5.3** ± 9.5% (k=2)	Depth	**2.34**