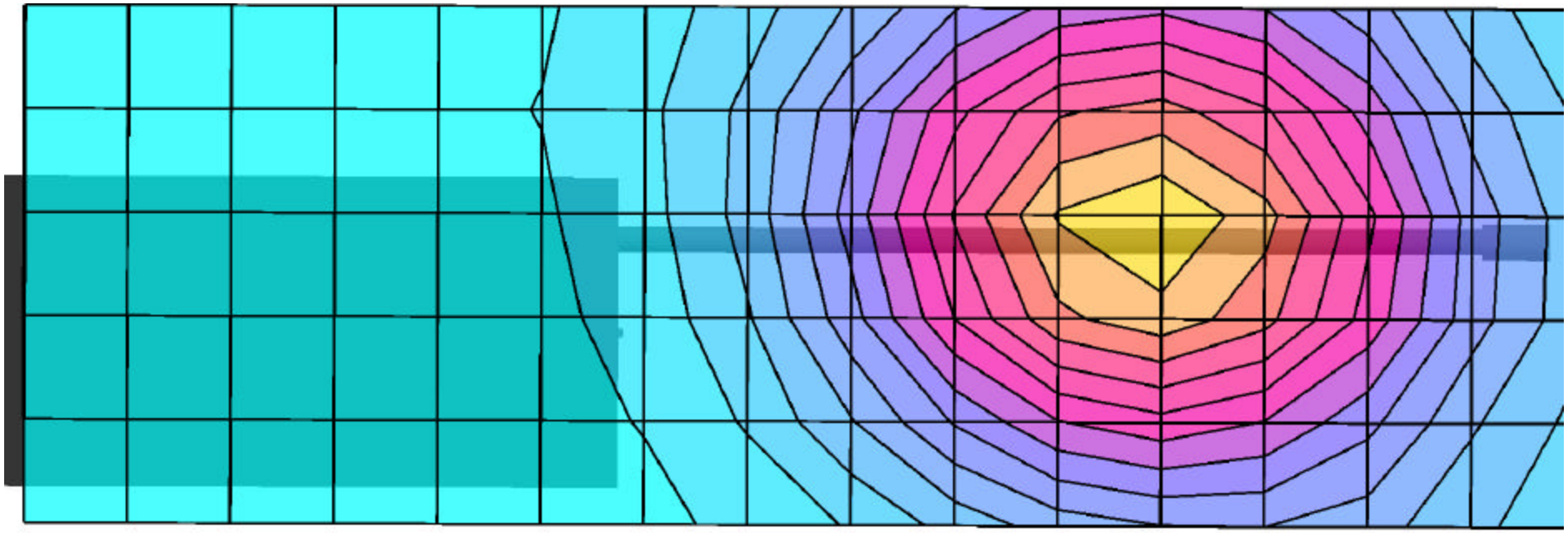
APPENDIX A - SAR MEASUREMENT DATA

M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

This large area scan is intended to show the peak SAR location relative to the device

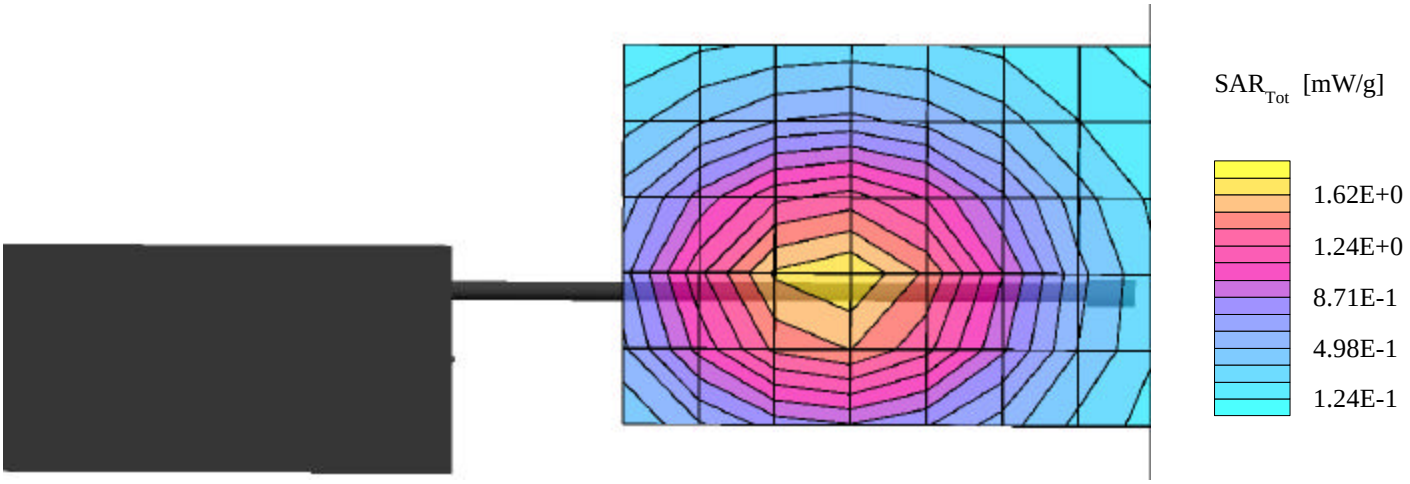
Body-Worn Scan with 2.5cm Belt-Loop and Swivel Separation Distance - FULL AREA SCAN
M/A-Com Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
Mid1 Channel [814.037 MHz]
Conducted Power: 3.06 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.04 dB
SAR (1g): 1.62 mW/g, SAR (10g): 1.08 mW/g

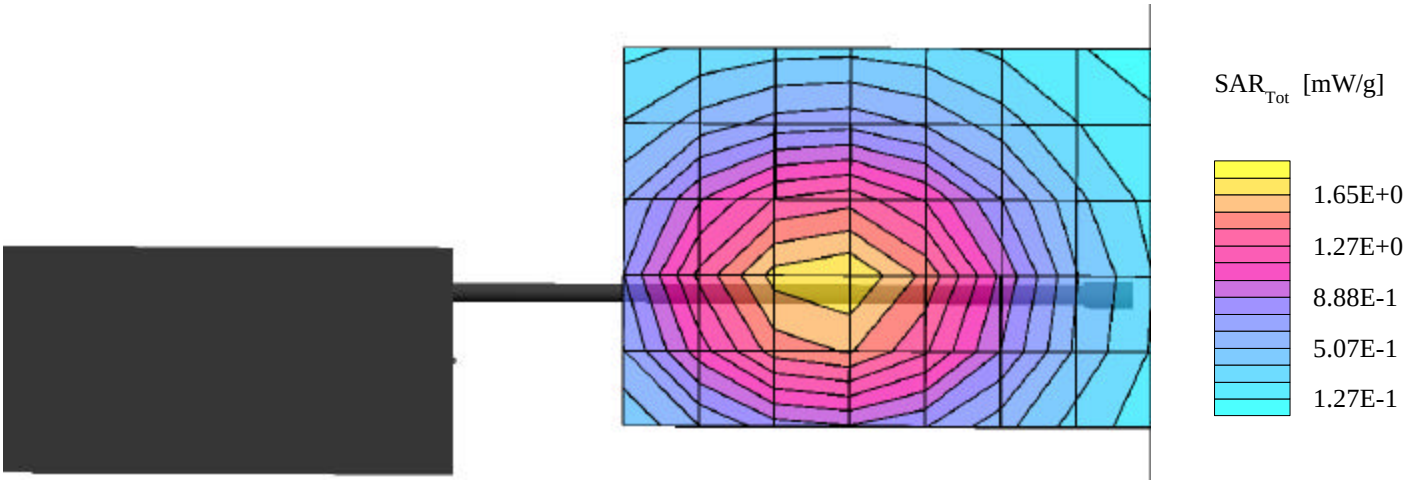
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
Low1 Channel [806.025 MHz]
Conducted Power: 3.08 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.06 dB
SAR (1g): 1.64 mW/g, SAR (10g): 1.09 mW/g

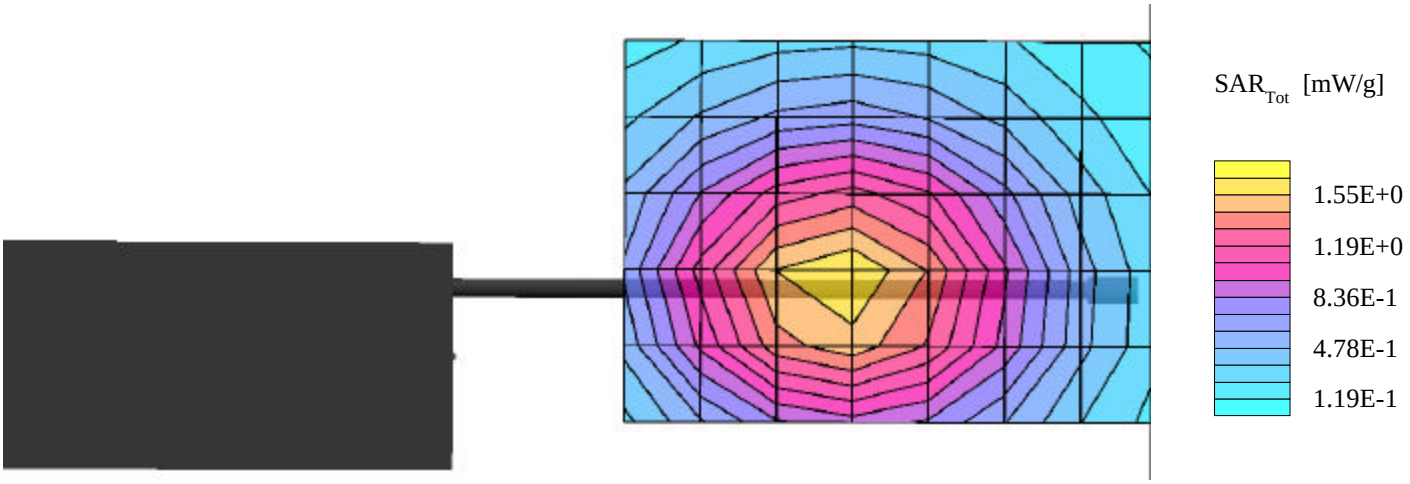
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
Mid1 Channel [814.037 MHz]
Conducted Power: 3.06 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.10 dB
SAR (1g): 1.53 mW/g, SAR (10g): 1.02 mW/g

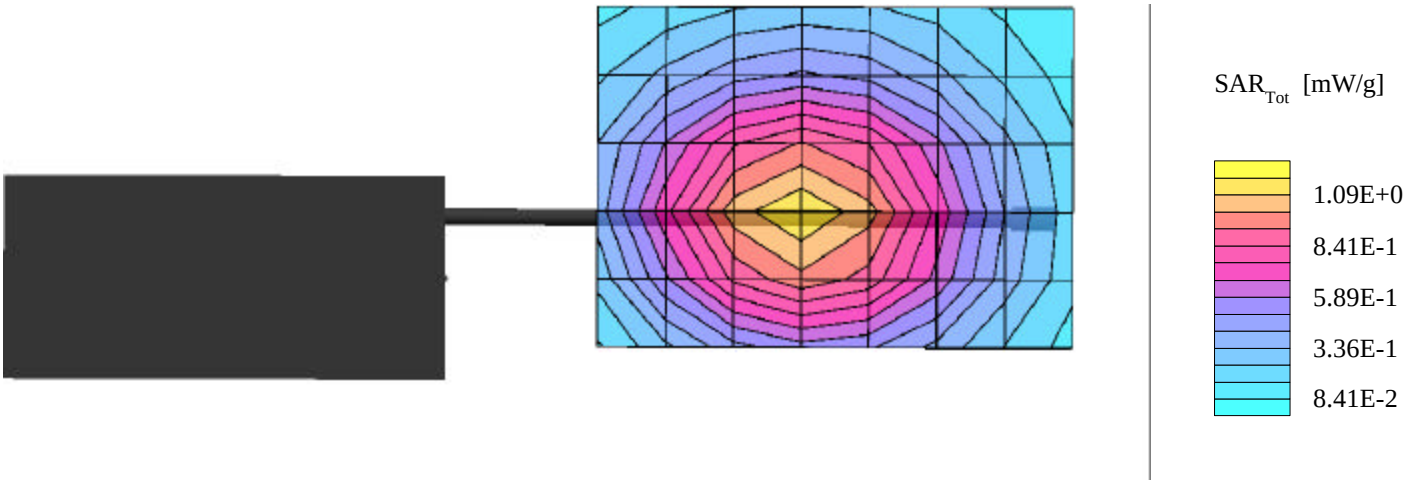
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
High1 Channel [823.970 MHz]
Conducted Power: 3.00 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.14 dB
SAR (1g): 1.00 mW/g, SAR (10g): 0.667 mW/g

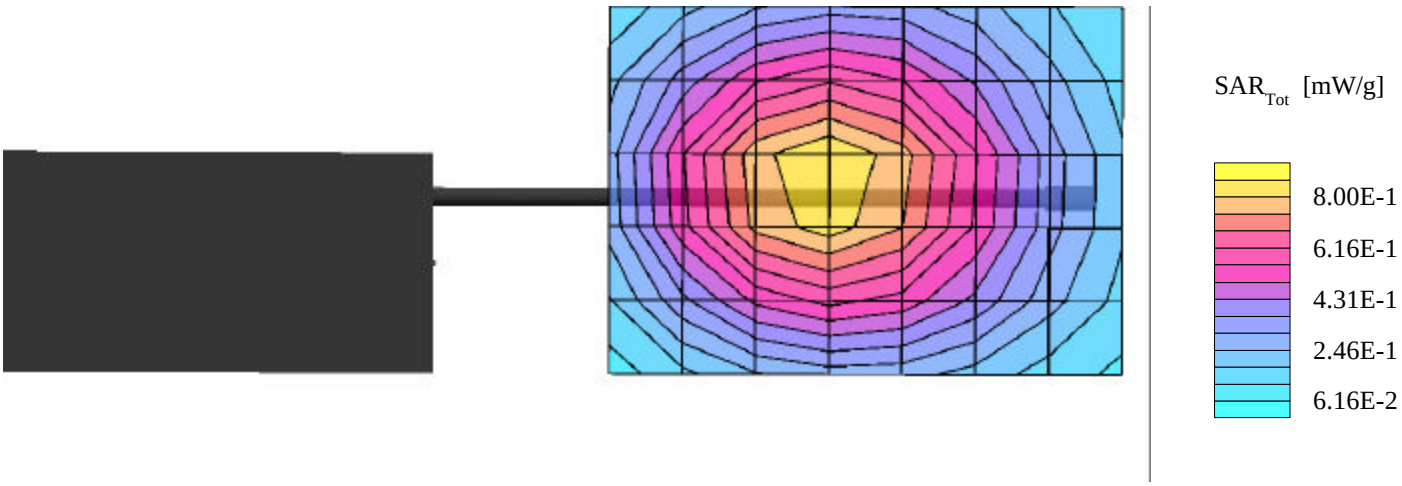
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
Low2 Channel [851.037 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.11 dB
SAR (1g): 0.736 mW/g, SAR (10g): 0.492 mW/g

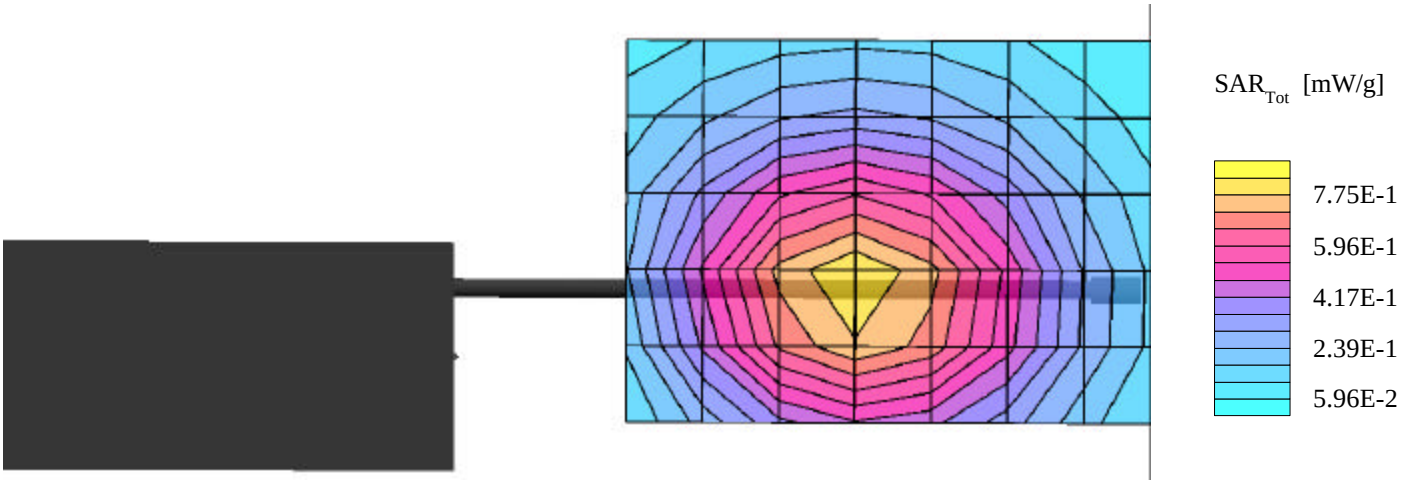
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
Mid2 Channel [859.037 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.14 dB
SAR (1g): 0.735 mW/g, SAR (10g): 0.486 mW/g

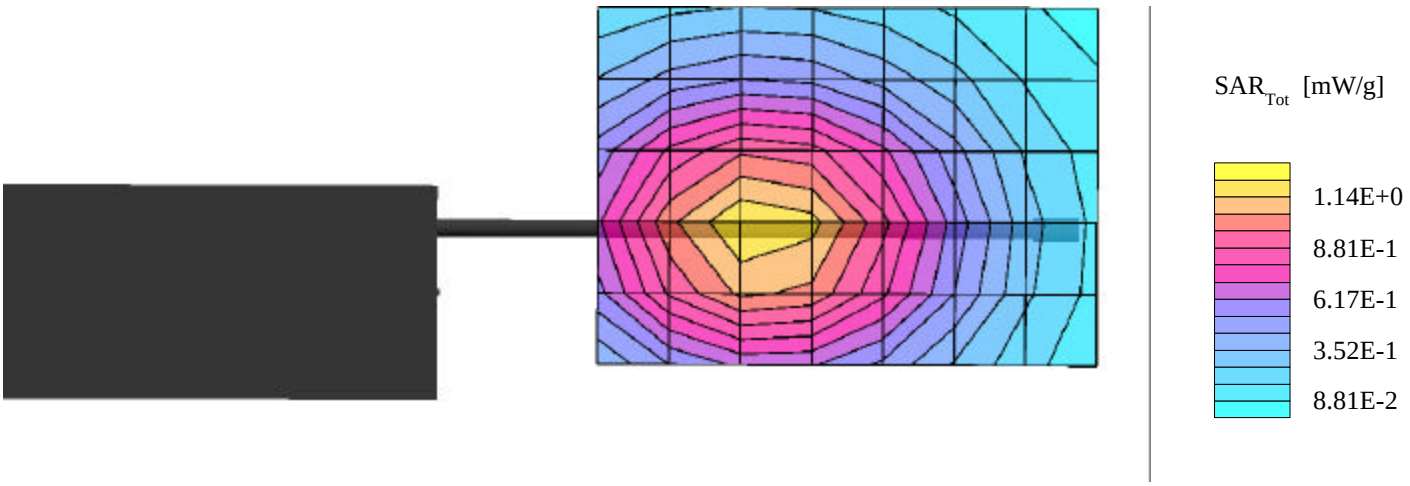
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
High Capacity Battery
Continuous Wave Mode
High2 Channel [868.970 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.03 dB
SAR (1g): 1.12 mW/g, SAR (10g): 0.751 mW/g

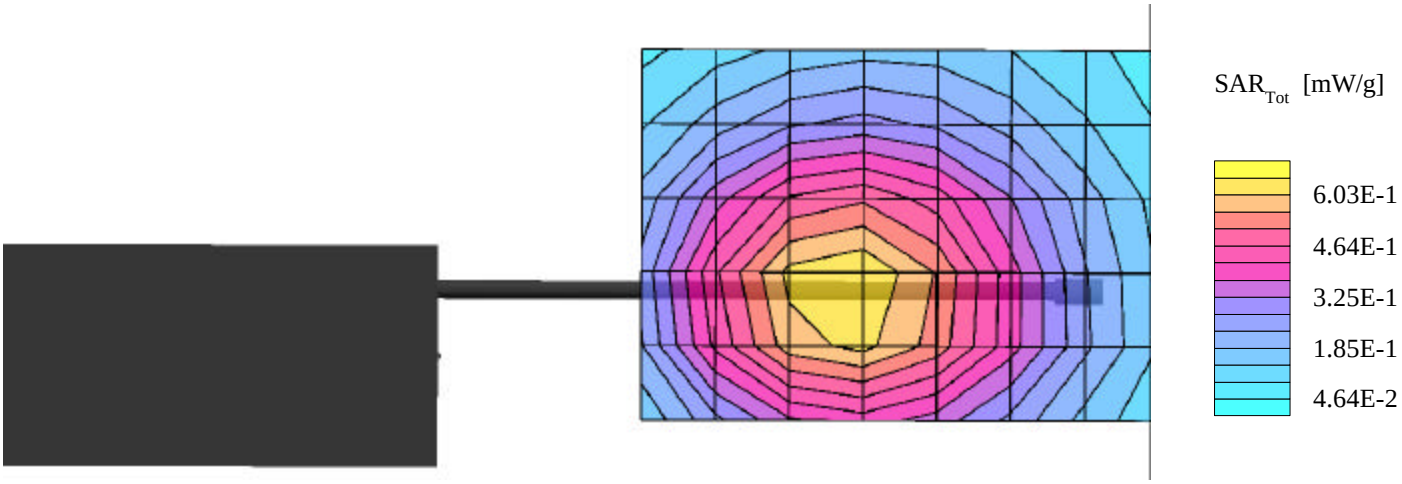
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
Extra High Capacity Battery
Continuous Wave Mode
Mid1 Channel [814.037 MHz]
Conducted Power: 3.06 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.04 dB
SAR (1g): 0.574 mW/g, SAR (10g): 0.388 mW/g

Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/2 Wave Antenna: KRE1011215/1
Extra High Capacity Battery
Continuous Wave Mode
Low2 Channel [851.037 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001

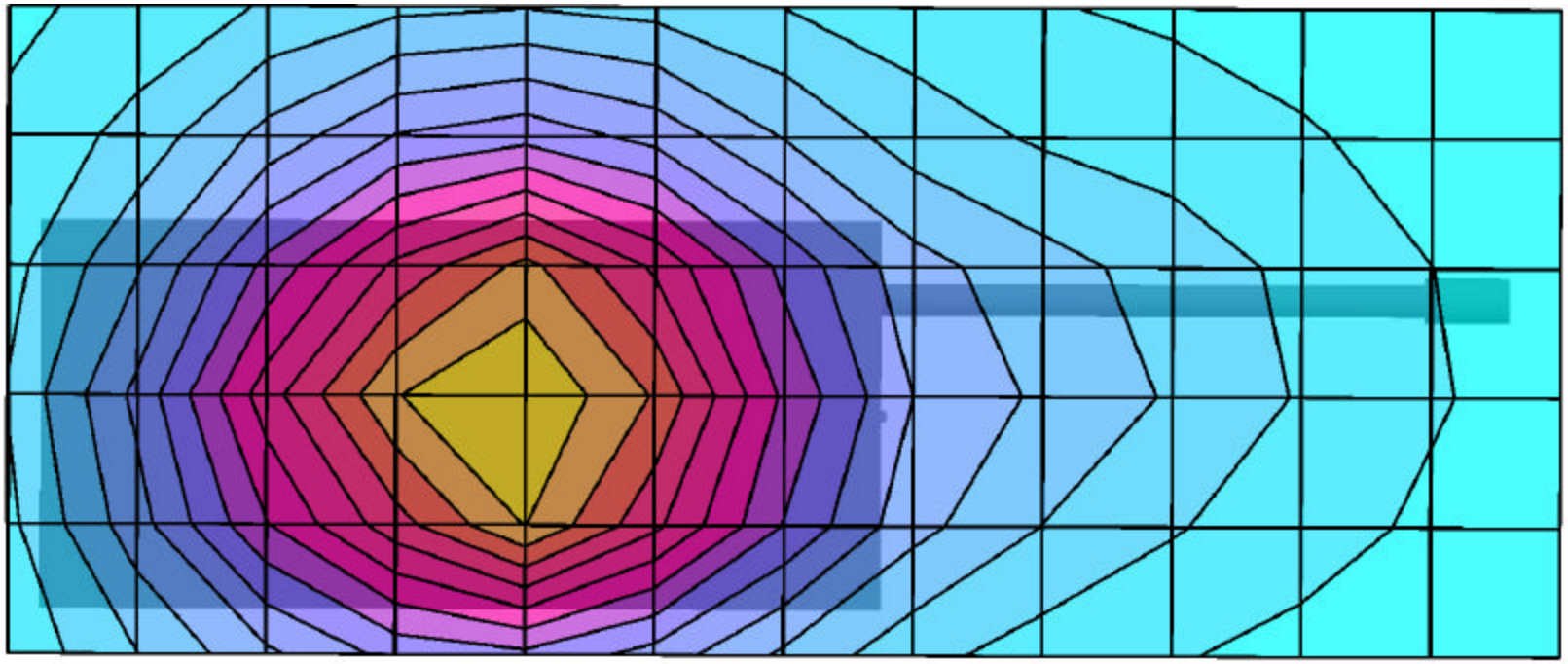


M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0

This large area scan is intended to show the peak SAR location relative to the device

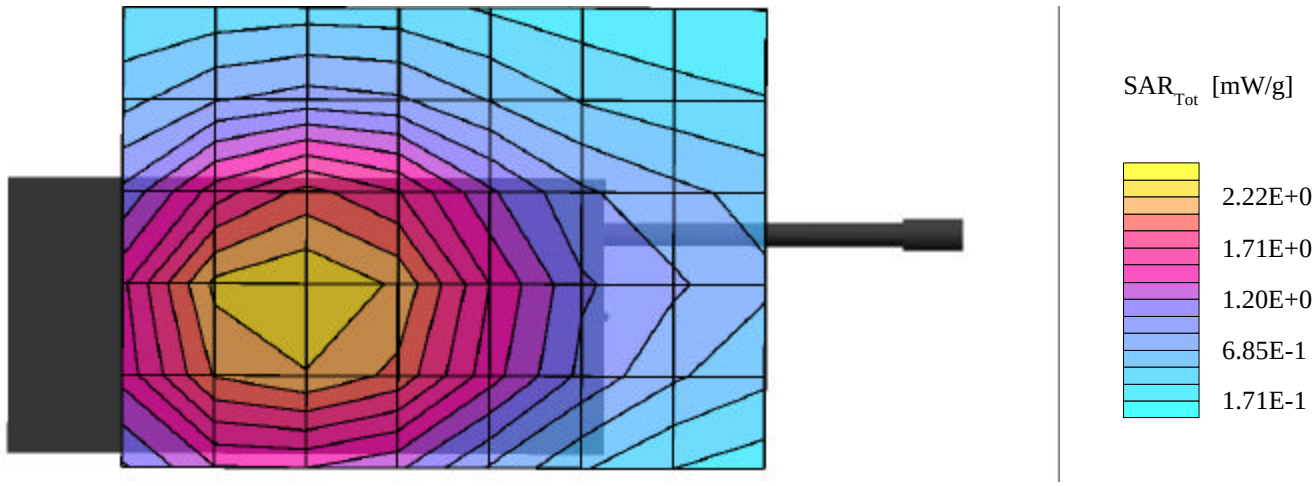
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance - FULL AREA SCAN
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
Mid1 Channel [814.037 MHz]
Conducted Power: 3.06 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.06 dB
SAR (1g): 2.23 mW/g, SAR (10g): 1.53 mW/g

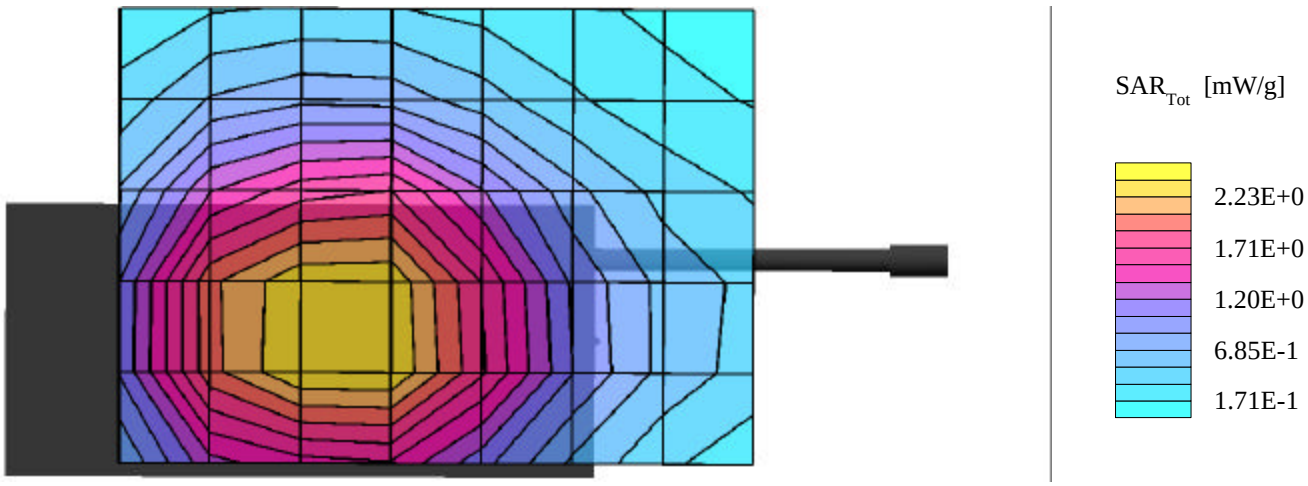
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
Low1 Channel [806.025 MHz]
Conducted Power: 3.08 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.07 dB
SAR (1g): 2.27 mW/g, SAR (10g): 1.54 mW/g

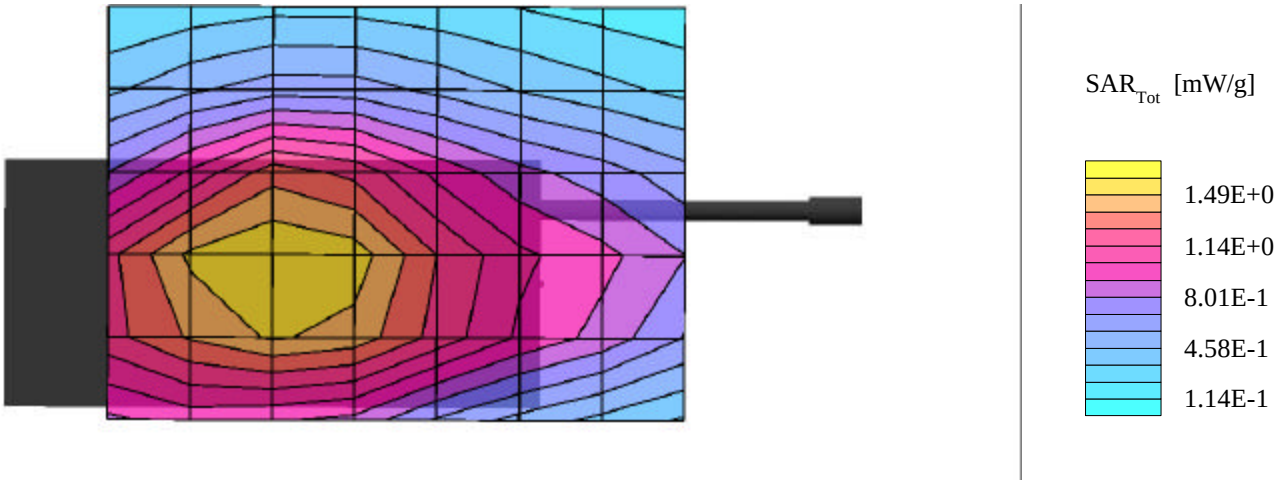
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
Mid1 Channel [814.037 MHz]
Conducted Power: 3.06 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.14 dB
SAR (1g): 1.50 mW/g , SAR (10g): 1.00 mW/g

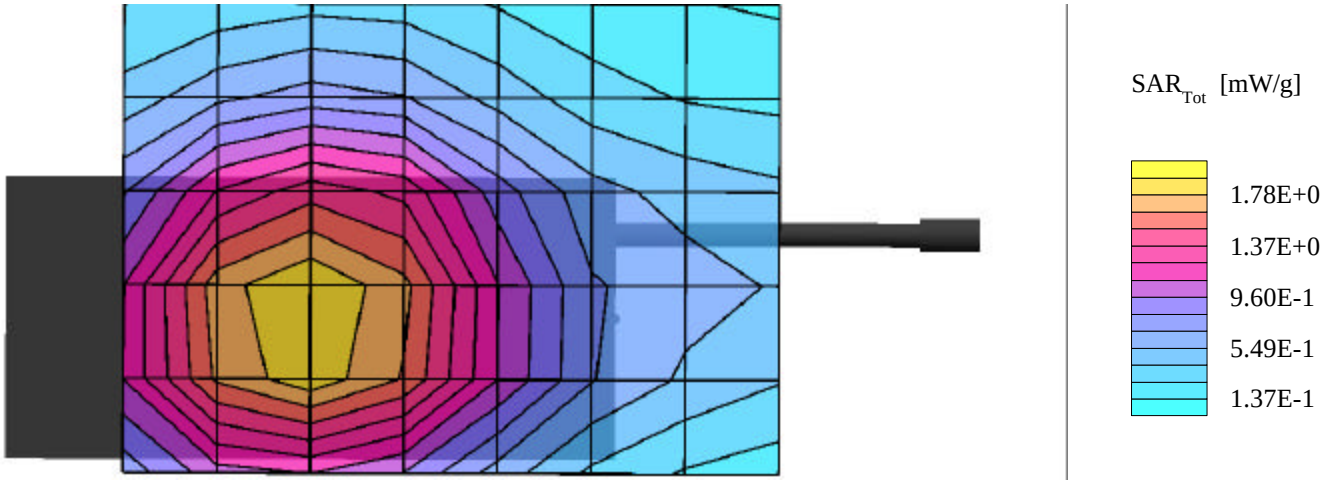
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
High1 Channel [823.970 MHz]
Conducted Power: 3.00 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.10 dB
SAR (1g): 1.79 mW/g, SAR (10g): 1.21 mW/g

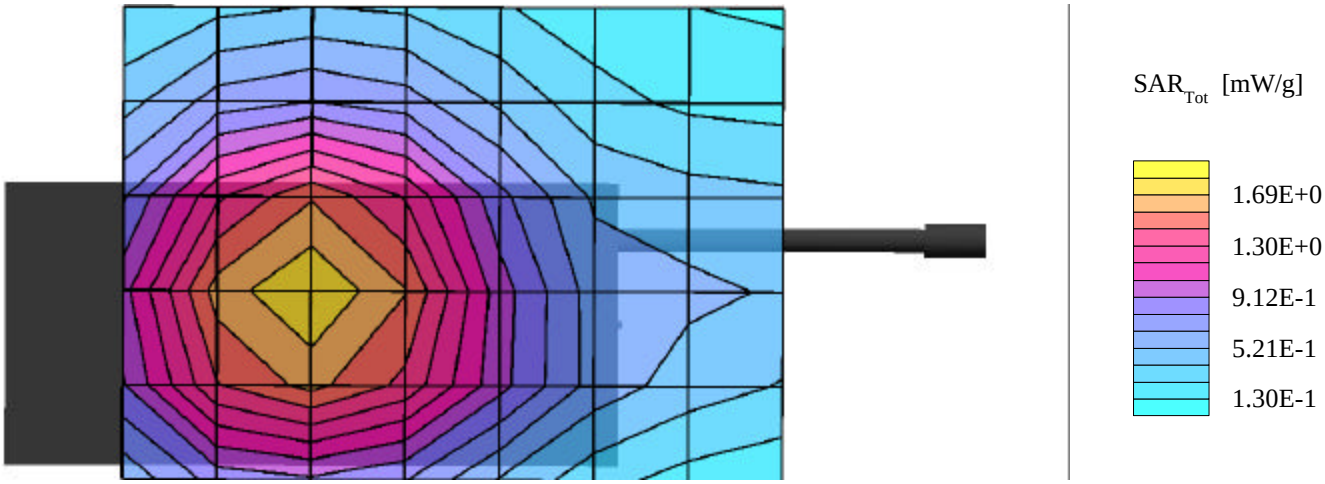
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
Low2 Channel [851.037 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.14 dB
SAR (1g): 1.65 mW/g, SAR (10g): 1.12 mW/g

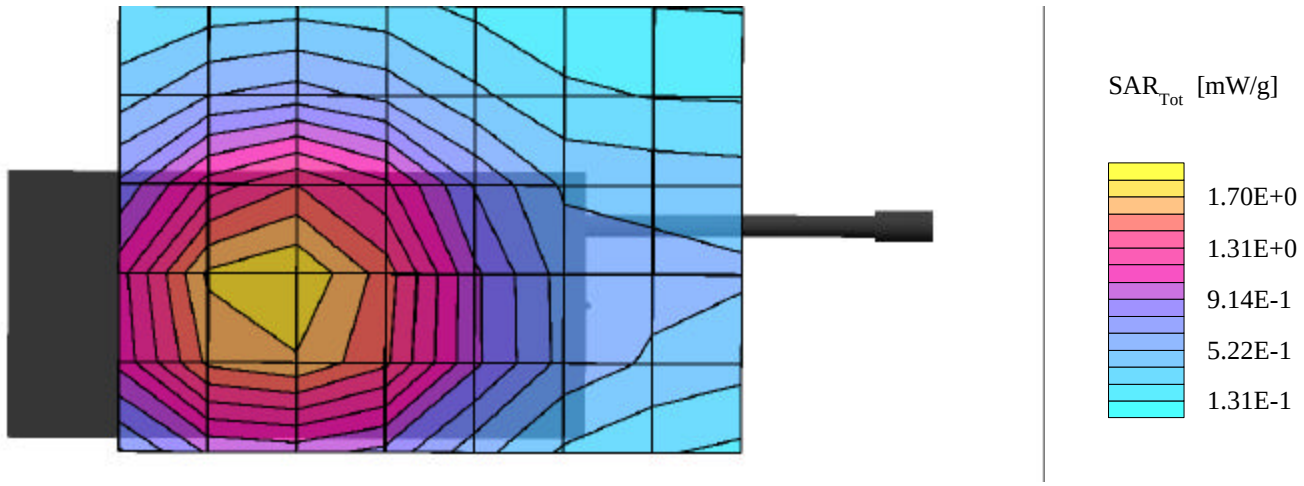
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
Mid2 Channel [859.037 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.18 dB
SAR (1g): 1.73 mW/g, SAR (10g): 1.16 mW/g

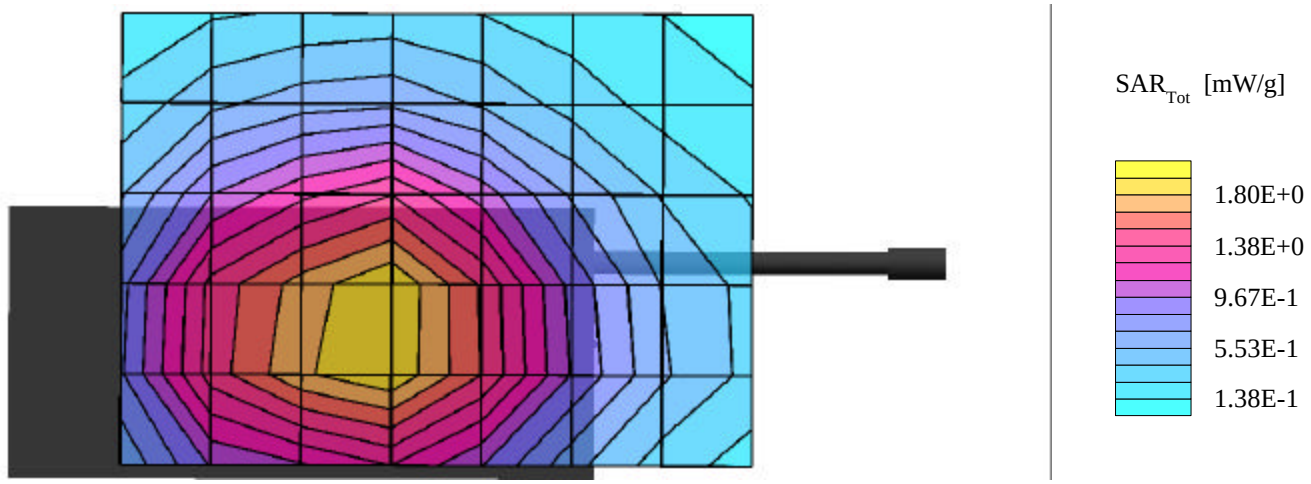
Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
High Capacity Battery
Continuous Wave Mode
High2 Channel [868.970 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.10 dB
SAR (1g): 1.76 mW/g, SAR (10g): 1.19 mW/g

Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
Extra High Capacity Battery
Continuous Wave Mode
Mid1 Channel [814.037 MHz]
Conducted Power: 3.06 Watts
Date Tested: November 27, 2001



M/A-COM FCC ID: OWDTR0001-E

Small Planar Phantom; Planar Section; Position: (270°,0°)
Probe: ET3DV6 - SN1590; ConvF(6.70,6.70,6.70); Crest factor: 1.0
835 MHz Muscle: σ = 0.97 mho/m ε_r = 55.2 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7; Powerdrift: -0.03 dB
SAR (1g): 1.77 mW/g, SAR (10g): 1.16 mW/g

Body-Worn SAR with 2.5cm Belt-Loop and Swivel Separation Distance
M/A-COM Model: EDACS 300P
1/4 Wave Antenna: KRE1011215/2
Extra High Capacity Battery
Continuous Wave Mode
Low2 Channel [851.037 MHz]
Conducted Power: 2.55 Watts
Date Tested: November 27, 2001