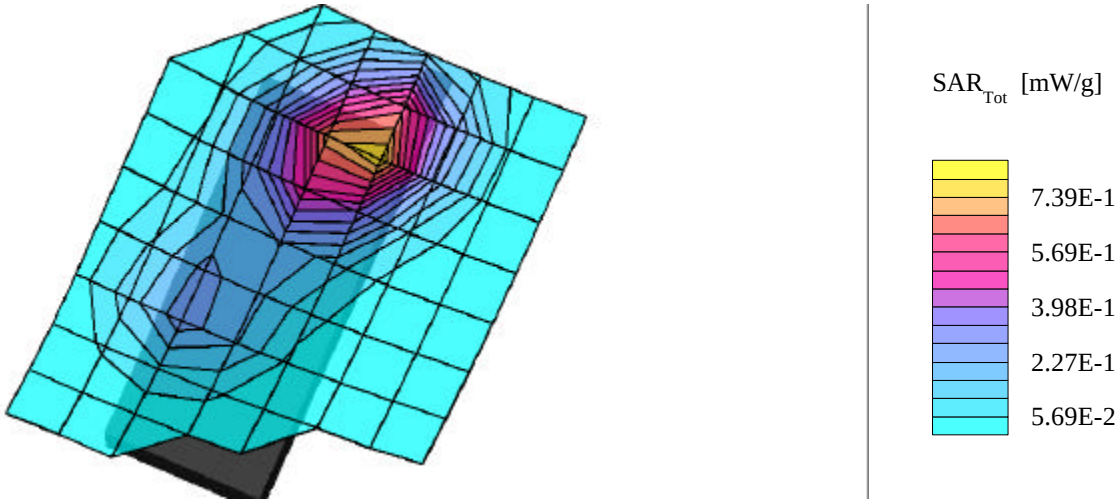
APPENDIX A - SAR MEASUREMENT DATA

VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (94°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.15dB
SAR (1g): 0.778 mW/g, SAR (10g): 0.425 mW/g

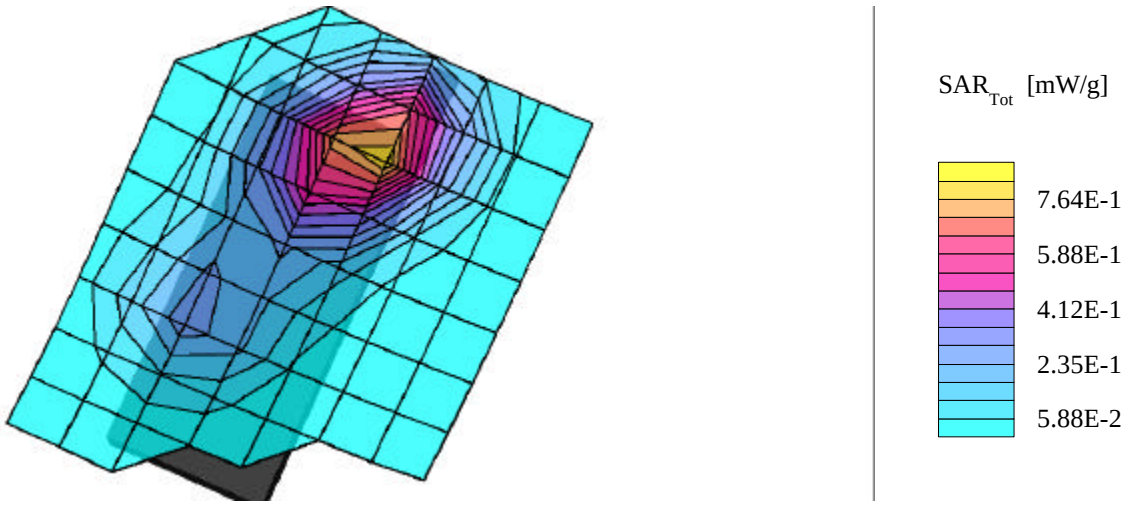
Head SAR - Left Cheek/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.21 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (94°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.12dB
SAR (1g): 0.799 mW/g, SAR (10g): 0.436 mW/g

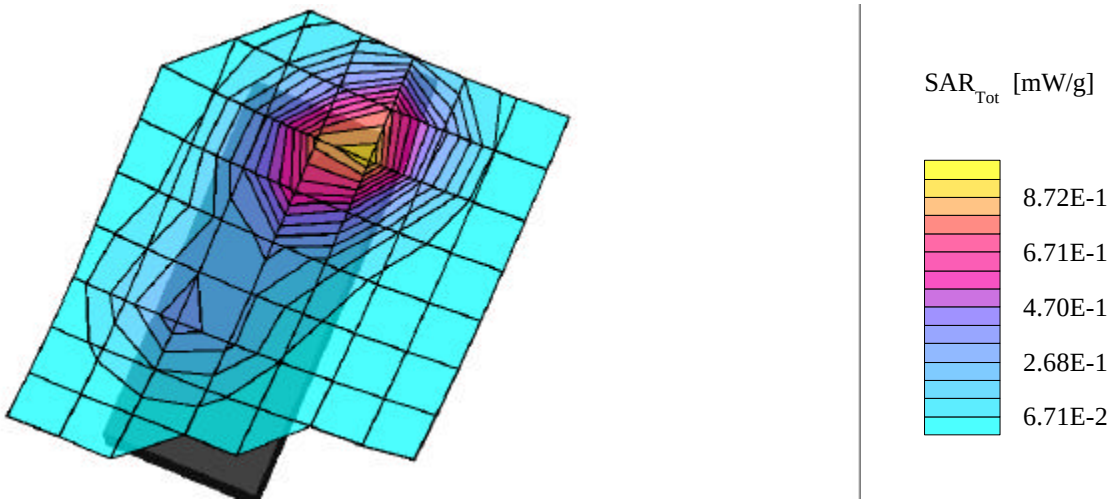
Head SAR - Left Cheek/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.28 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (94°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.11dB
SAR (1g): 0.918 mW/g, SAR (10g): 0.500 mW/g

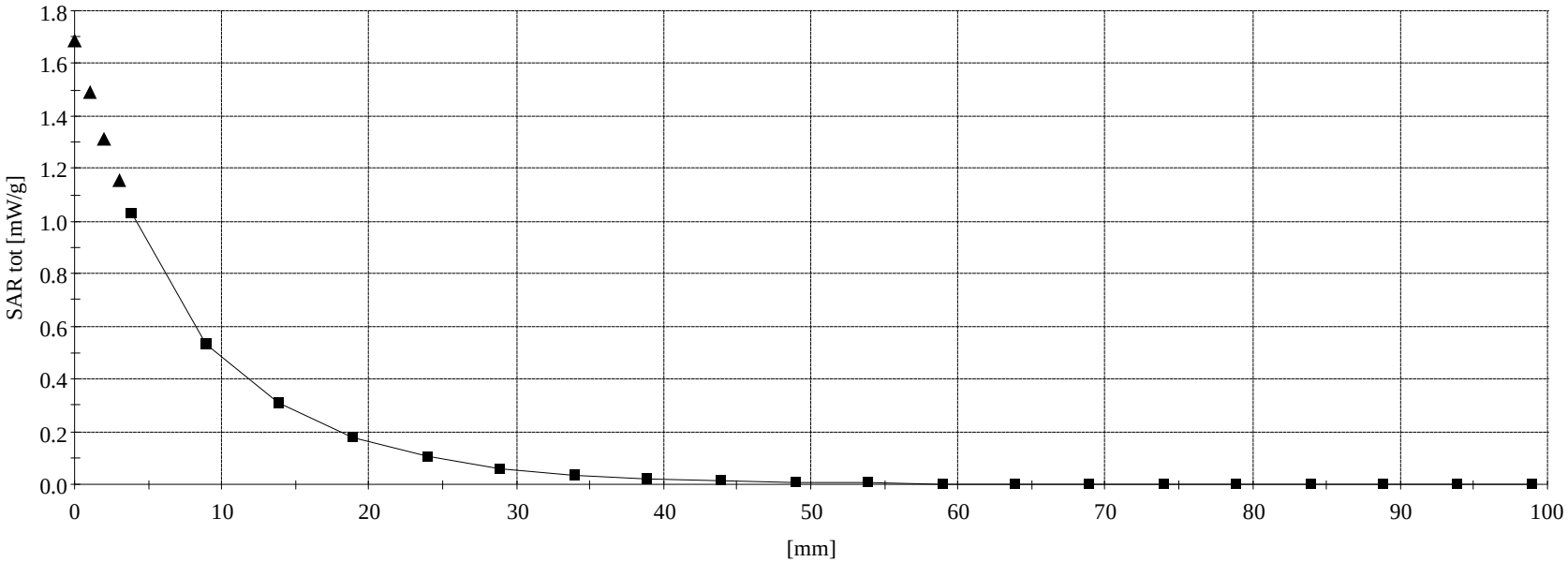
Head SAR - Left Cheek/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.48 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

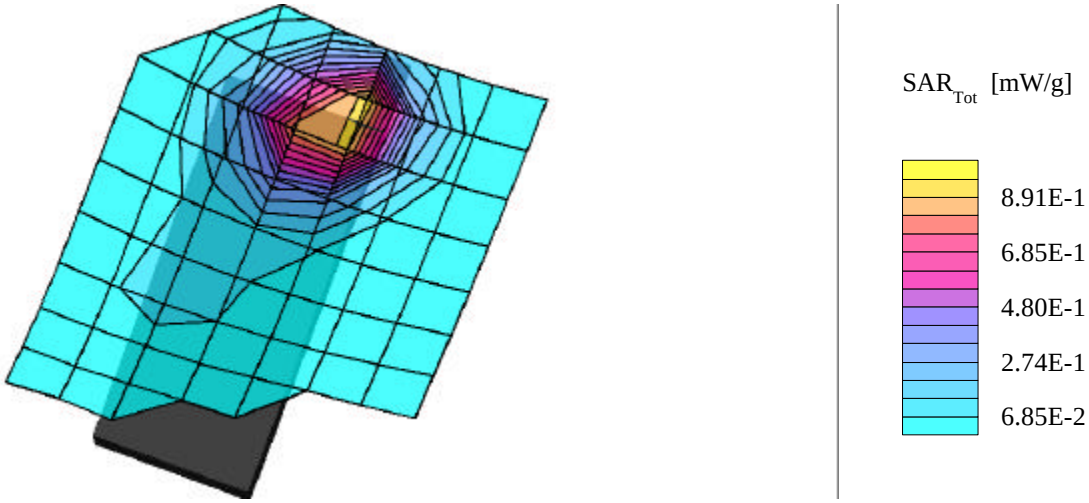
Head SAR - Left Cheek/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.48 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (109°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.05dB
SAR (1g): 1.02 mW/g, SAR (10g): 0.535 mW/g

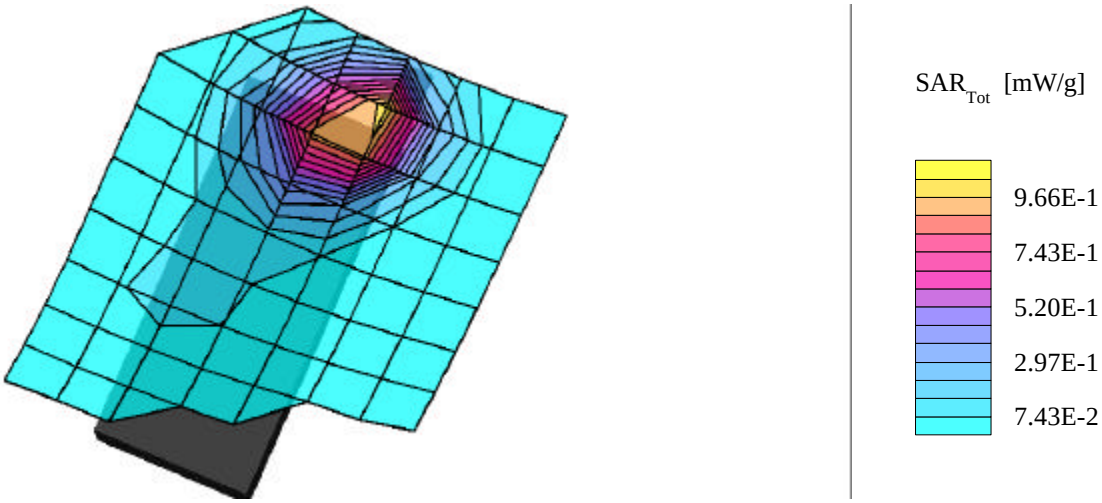
Head SAR - Left Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.15 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (106°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.09 dB
SAR (1g): 1.10 mW/g, SAR (10g): 0.570 mW/g

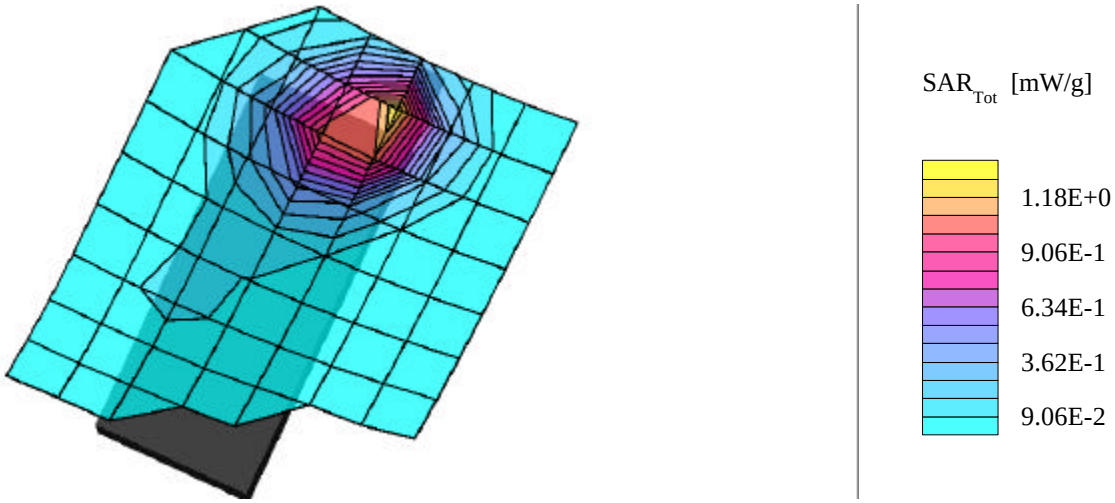
Head SAR - Left Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power: 29.24 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (106°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.12 dB
SAR (1g): 1.30 mW/g, SAR (10g): 0.672 mW/g

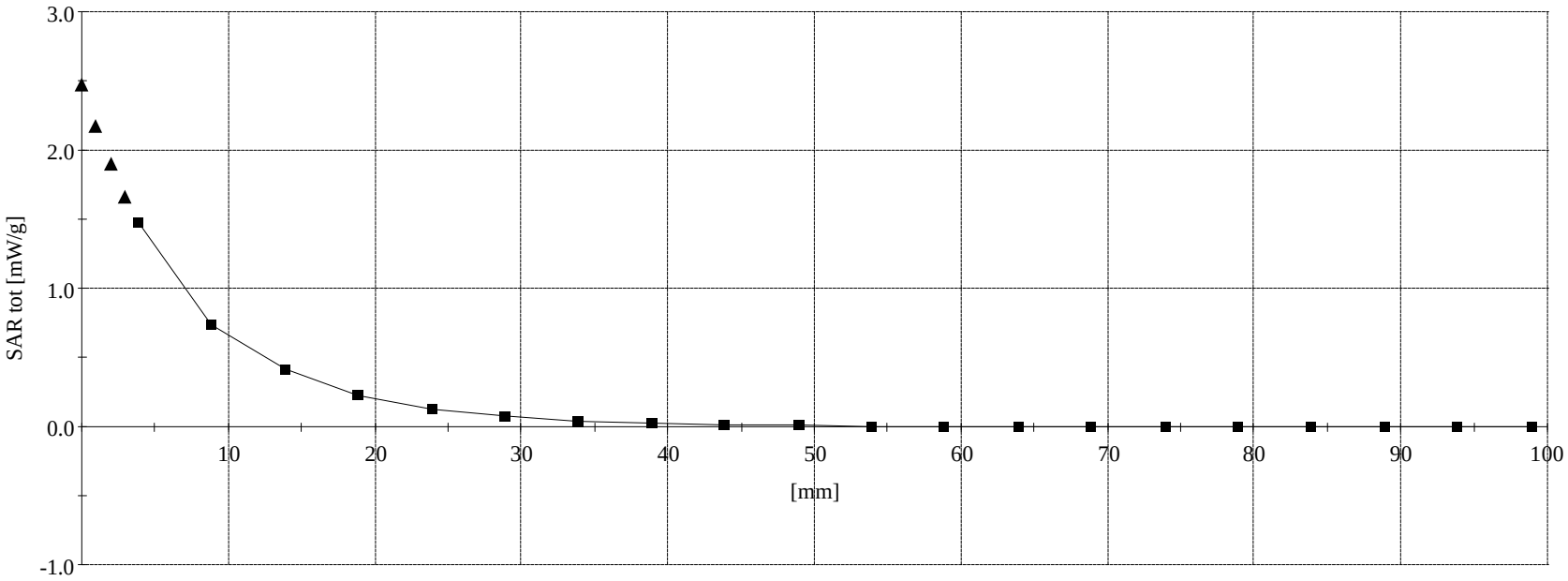
Head SAR - Left Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.42 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

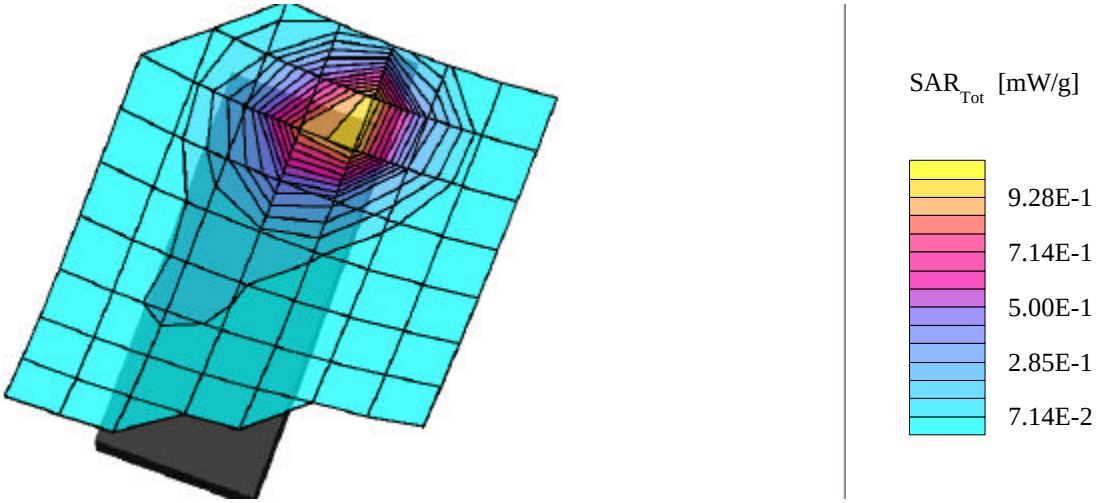
Head SAR - Left Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.42 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (106°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.07dB
SAR (1g): 1.07 mW/g, SAR (10g): 0.556 mW/g

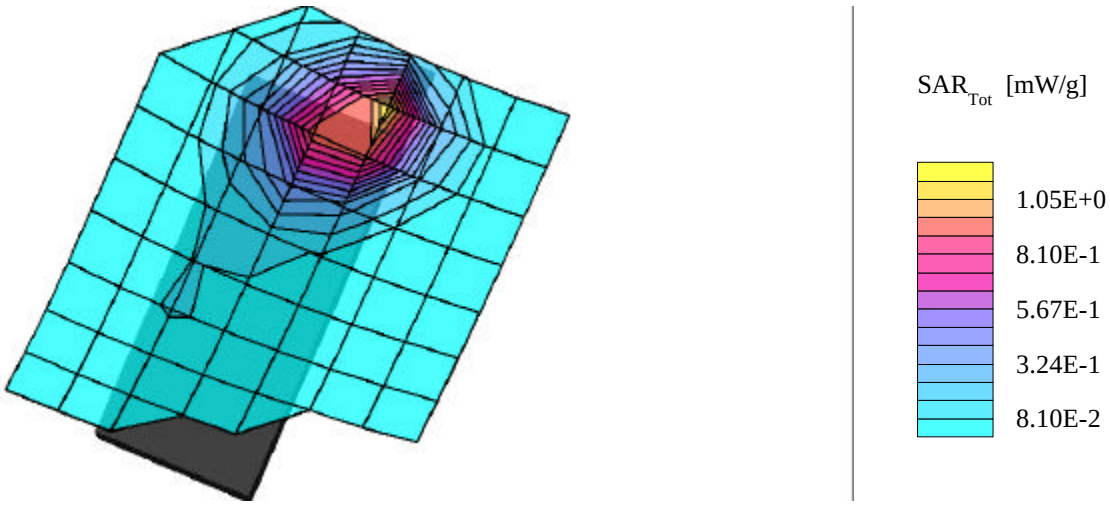
Head SAR - Left Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.35 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (106°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.04dB
SAR (1g): 1.13 mW/g, SAR (10g): 0.587 mW/g

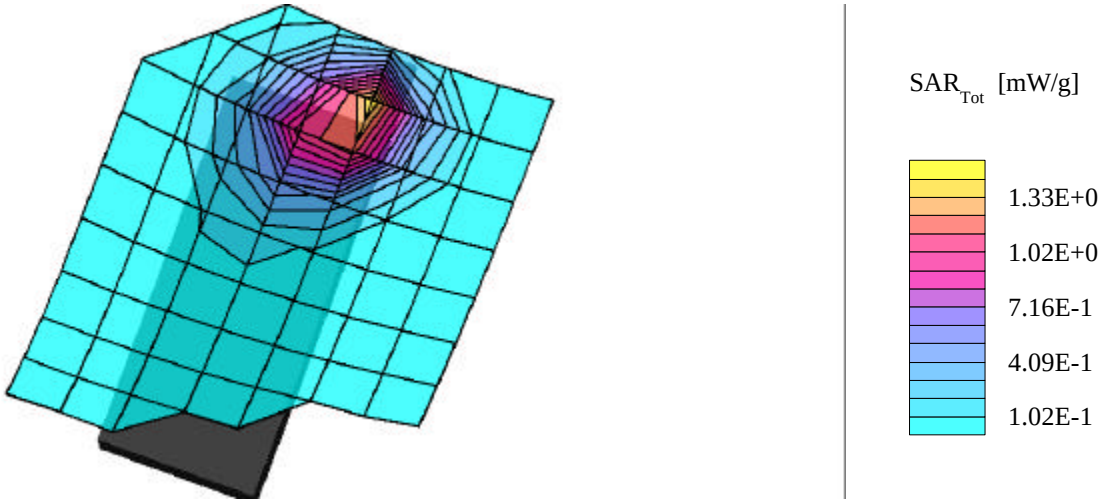
Head SAR - Left Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.42 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Left Hand Section; Position: (106°,65°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.06dB
SAR (1g): 1.40 mW/g, SAR (10g): 0.718 mW/g

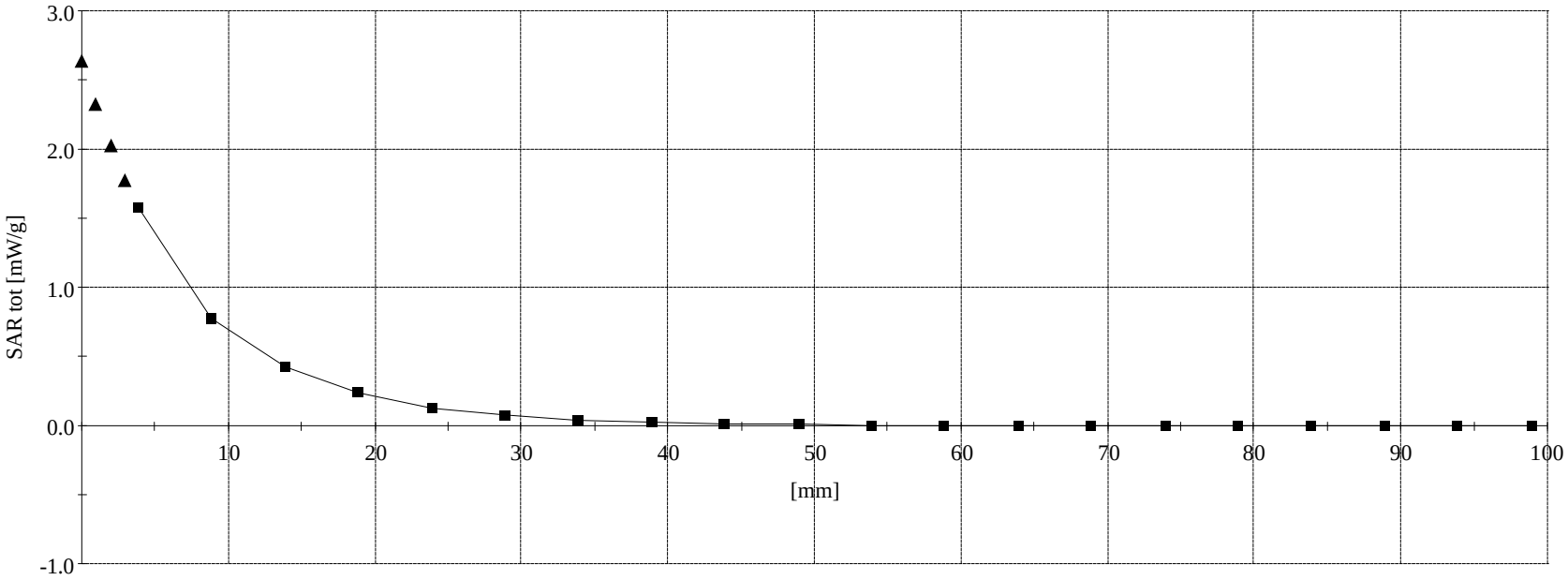
Head SAR - Left Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

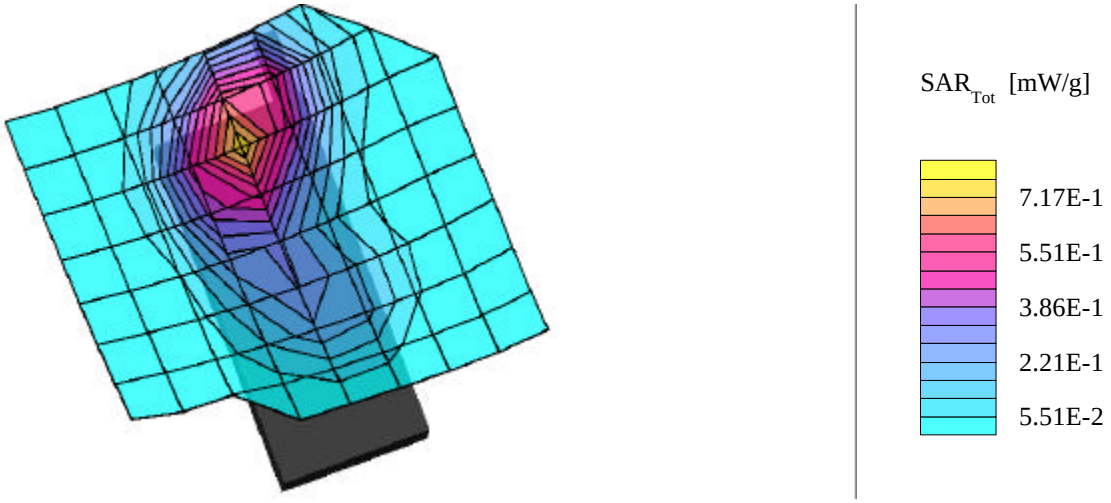
Head SAR - Left Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (106°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.07 dB
SAR (1g): 0.709 mW/g, SAR (10g): 0.403 mW/g

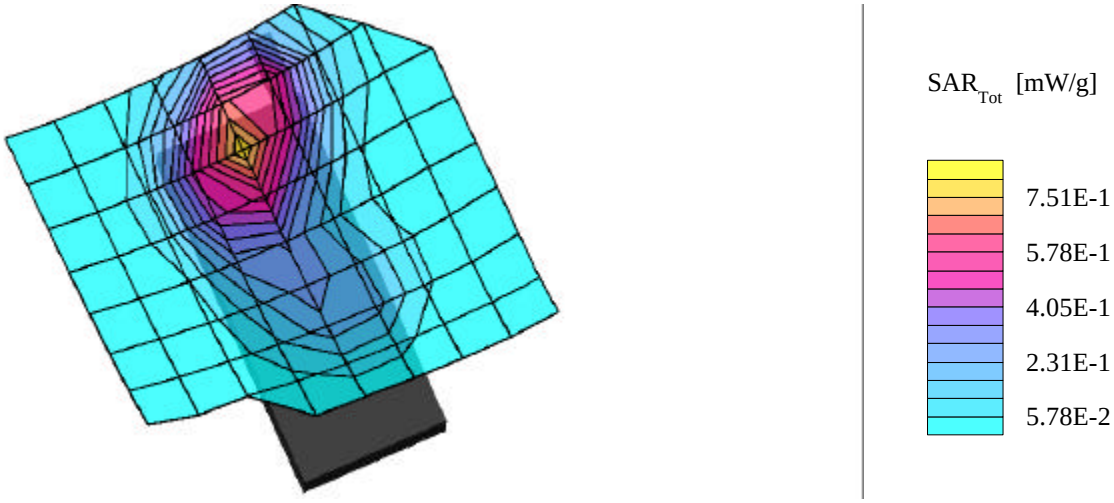
Head SAR - Right Ear/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.17 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (106°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.05 dB
SAR (1g): 0.744 mW/g, SAR (10g): 0.424 mW/g

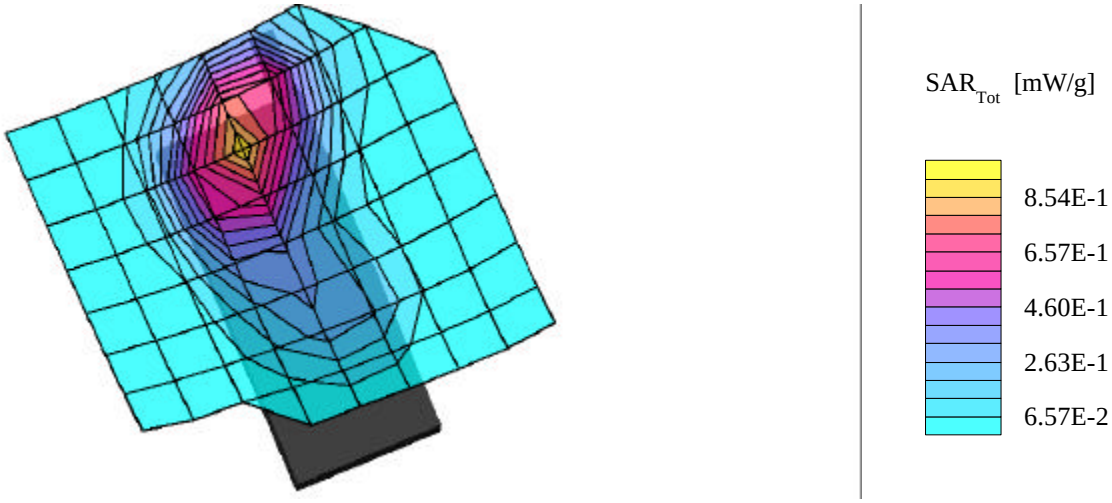
Head SAR - Right Ear/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.21 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (106°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.08dB
SAR (1g): 0.847 mW/g, SAR (10g): 0.482 mW/g

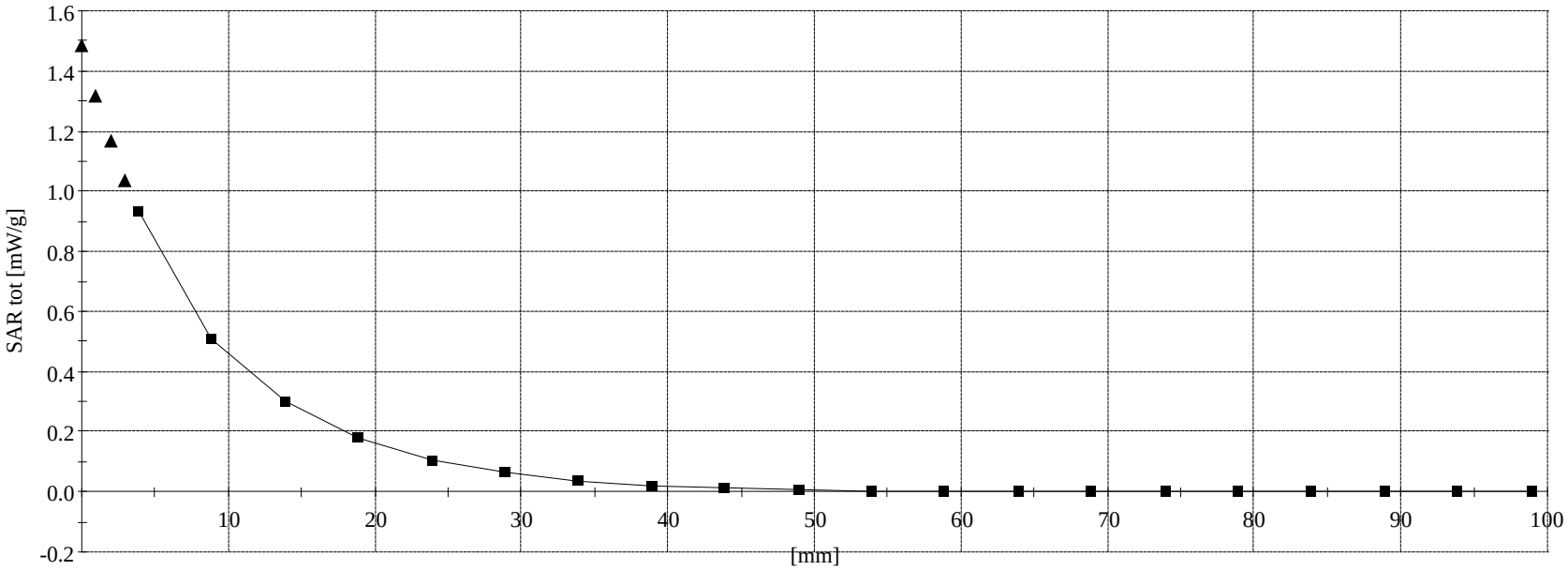
Head SAR - Right Ear/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.39 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

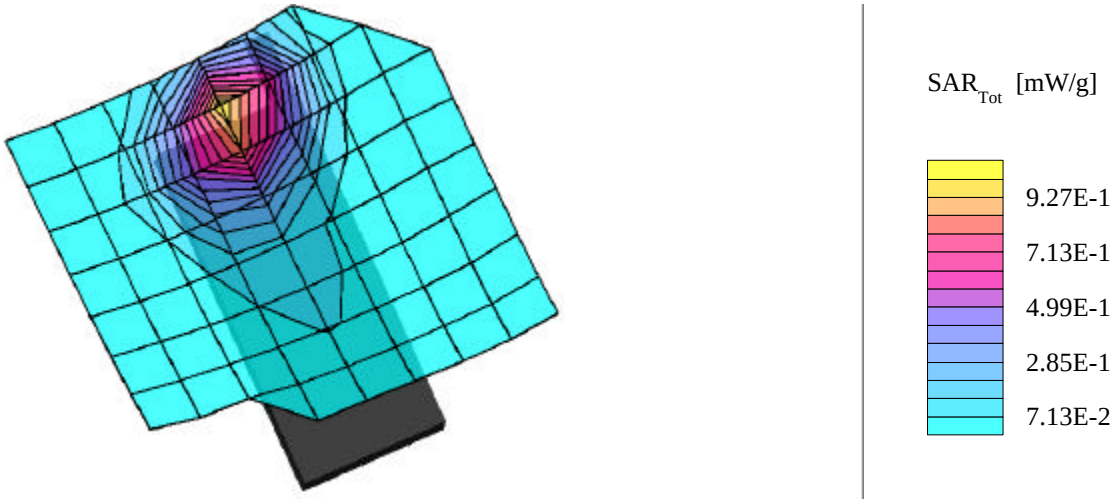
Head SAR - Right Ear/Touch Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.39 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (107°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: 0.01 dB
SAR (1g): 0.967 mW/g, SAR (10g): 0.516 mW/g

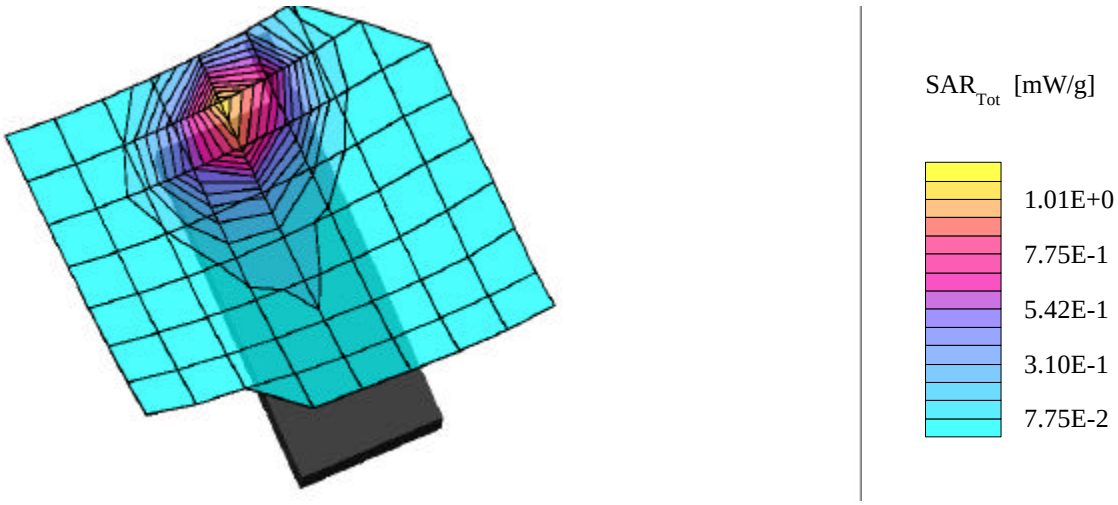
Head SAR - Right Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.19 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (107°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.10 dB
SAR (1g): 1.04 mW/g, SAR (10g): 0.556 mW/g

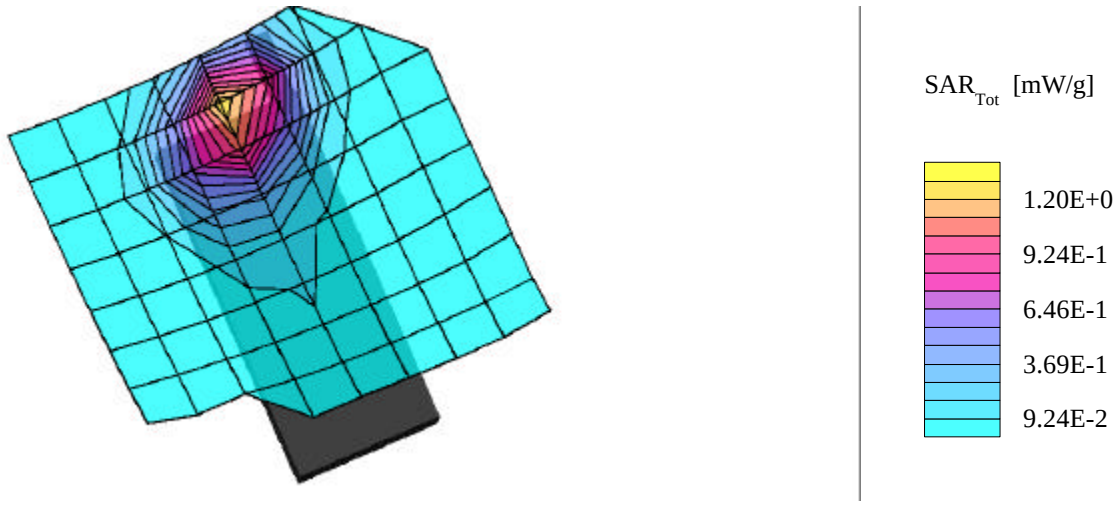
Head SAR - Right Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.27 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (107°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.03 dB
SAR (1g): 1.25 mW/g, SAR (10g): 0.665 mW/g

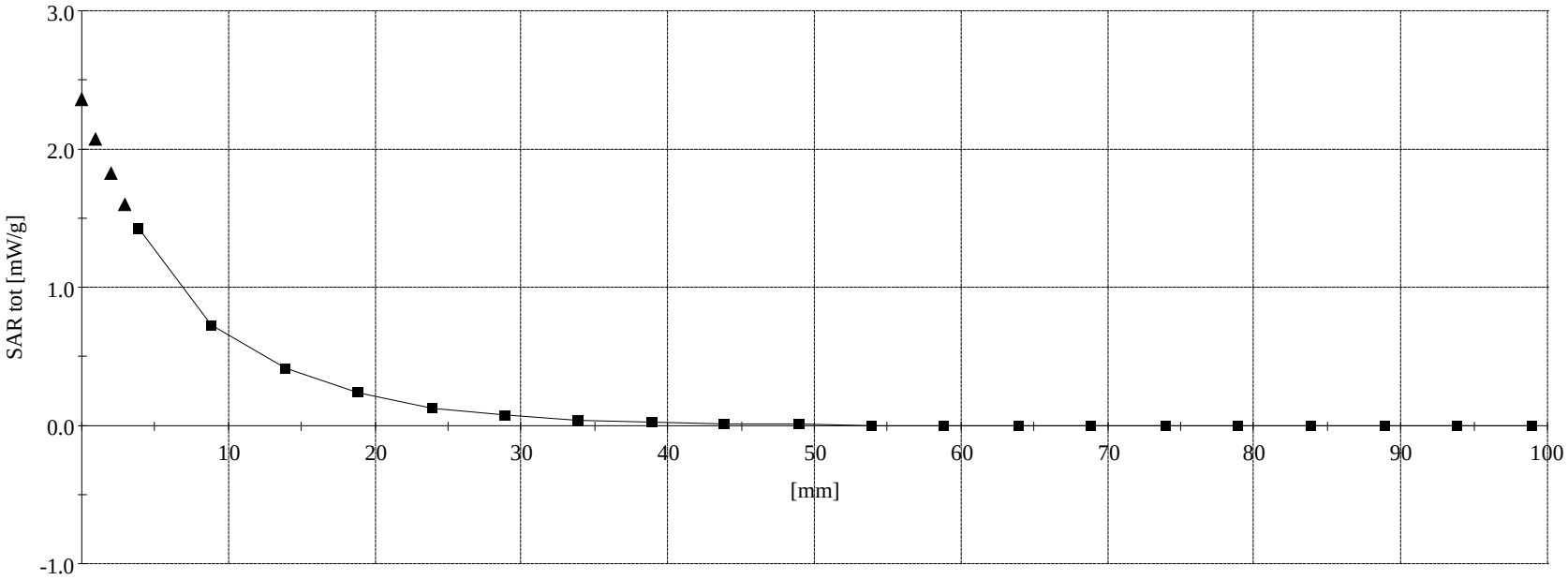
Head SAR - Right Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.40 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.5 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

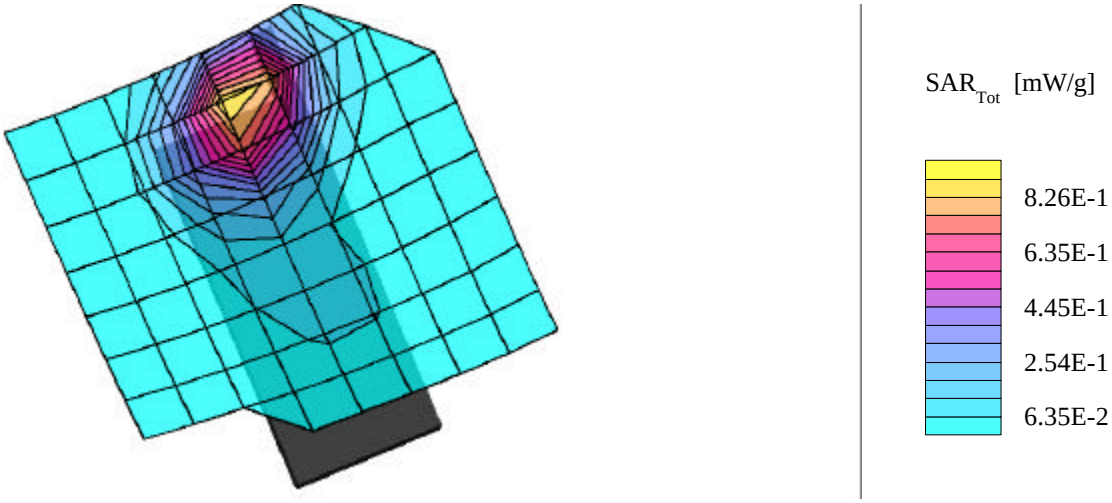
Head SAR - Right Ear/Tilt Position
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.40 dBm
Date Tested: January 4, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (106°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.08dB
SAR (1g): 0.889 mW/g, SAR (10g): 0.478 mW/g

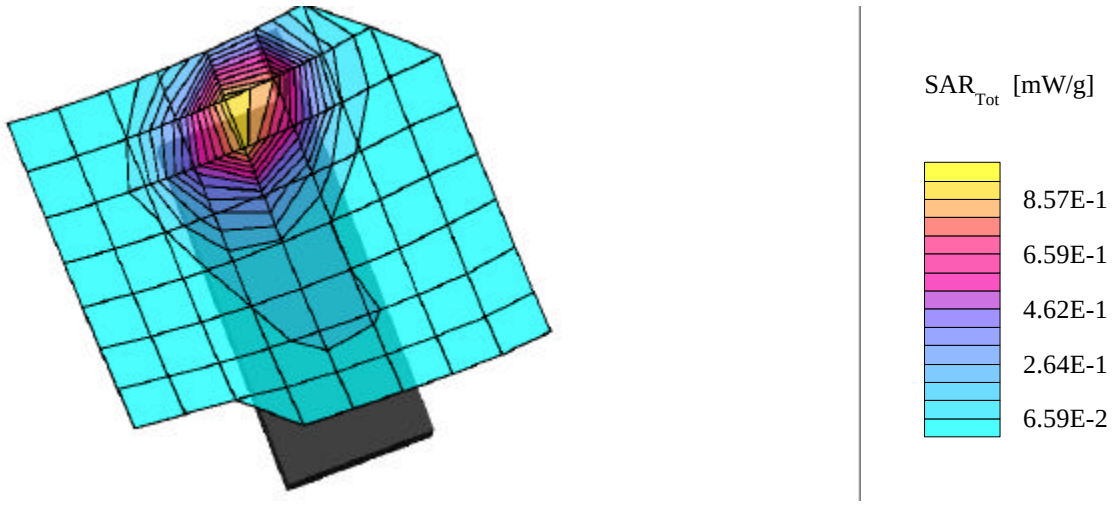
Head SAR - Right Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.44 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Right Hand Section; Position: (107°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.02dB
SAR (1g): 0.957 mW/g, SAR (10g): 0.514 mW/g

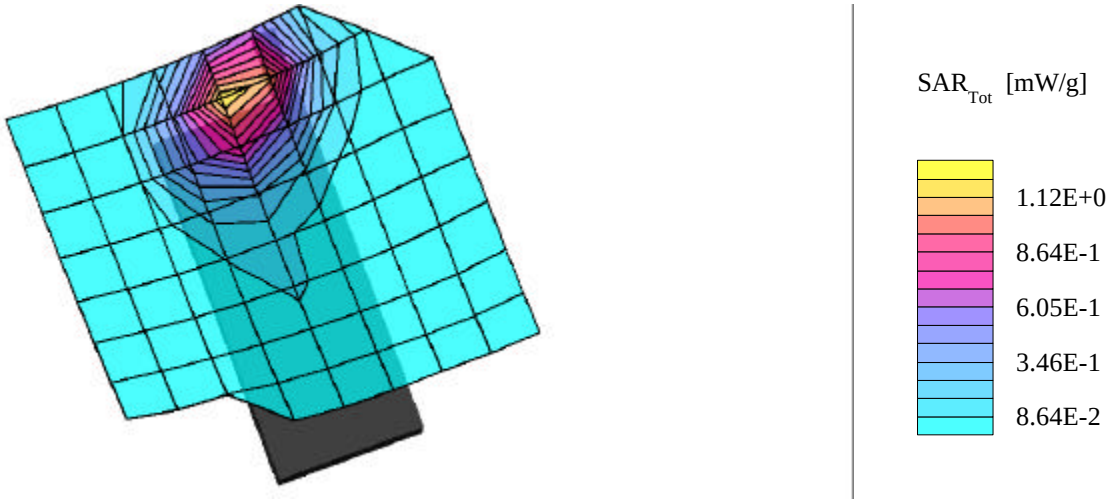
Head SAR - Right Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; RightHand Section; Position: (107°,295°)
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.03dB
SAR (1g): 1.18 mW/g, SAR (10g): 0.629 mW/g

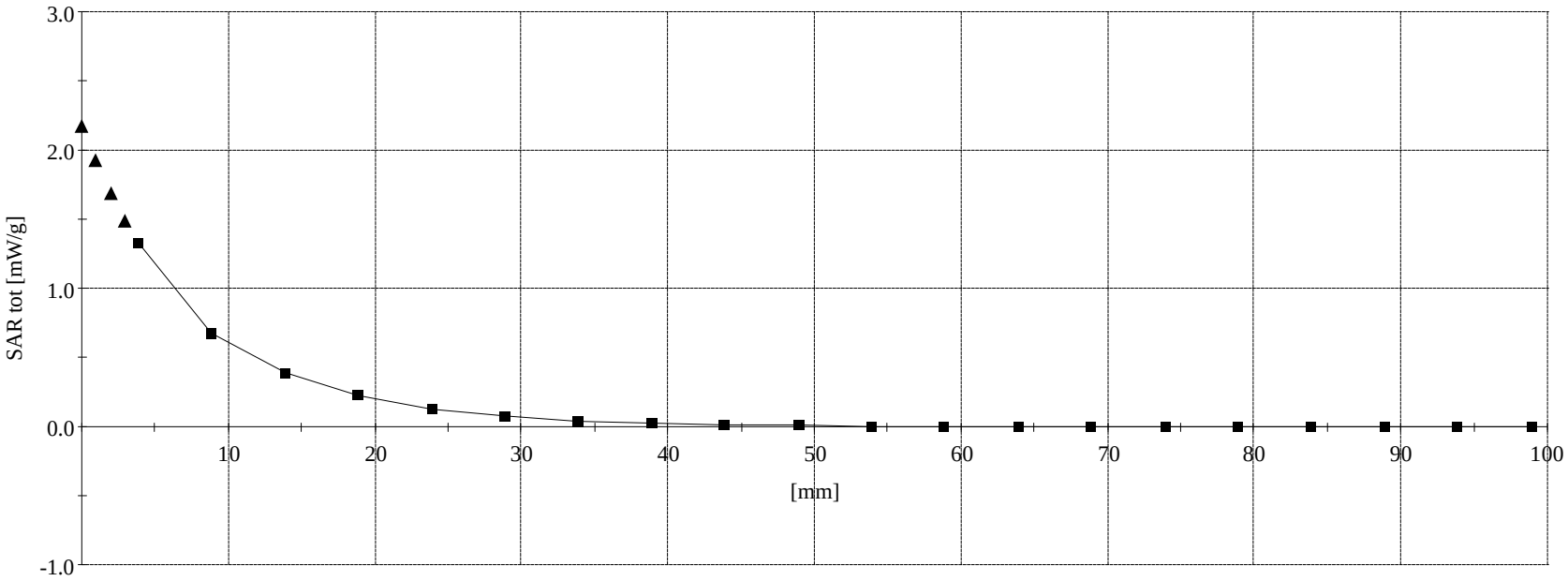
Head SAR - Right Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.78,5.78,5.78); Crest factor: 8.0
1800 MHz Brain: σ = 1.40 mho/m ε_r = 39.4 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

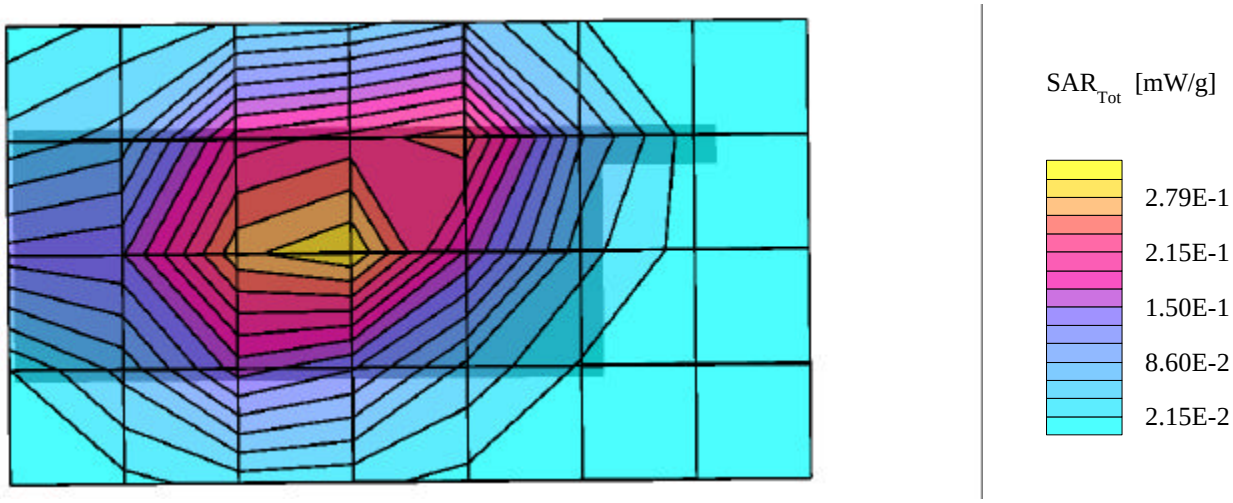
Head SAR - Right Ear/Tilt Position
Extended Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Flat Section; Position: (270°,270°)
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.09dB
SAR (1g): 0.295 mW/g, SAR (10g): 0.186 mW/g

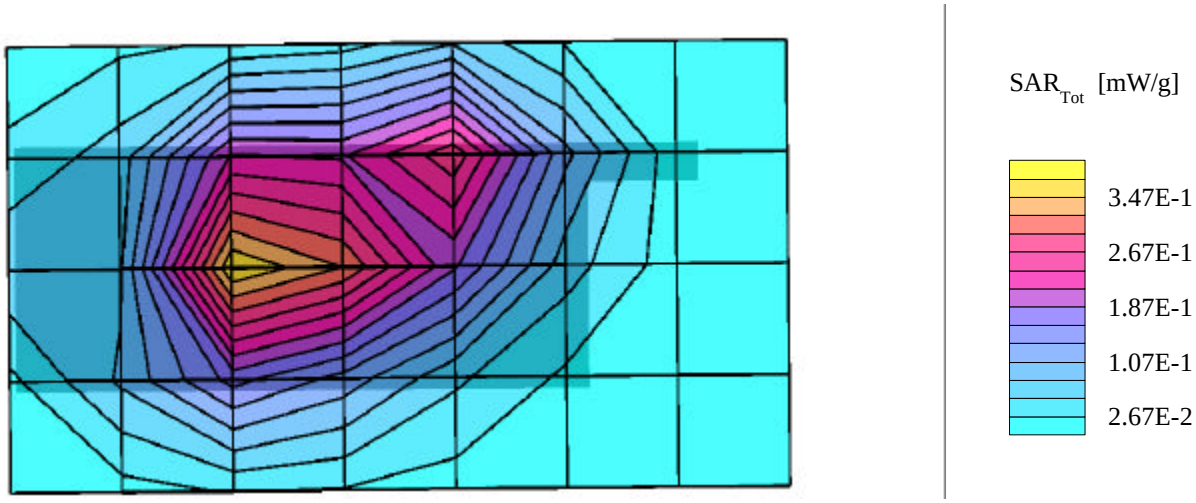
Body SAR with 1.5cm Belt Holster
Standard Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.36 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Flat Section; Position: (270°,270°)
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.15dB
SAR (1g): 0.367 mW/g, SAR (10g): 0.215 mW/g

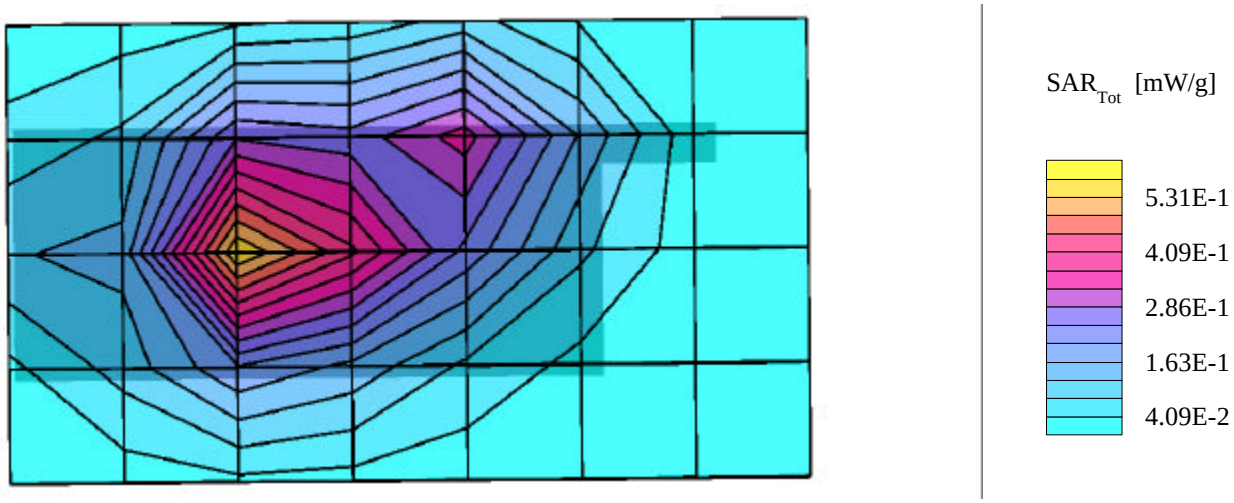
Body SAR with 1.5cm Belt Holster
Standard Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.48 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Flat Section; Position: (270°,270°)
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.06dB
SAR (1g): 0.538 mW/g, SAR (10g): 0.306 mW/g

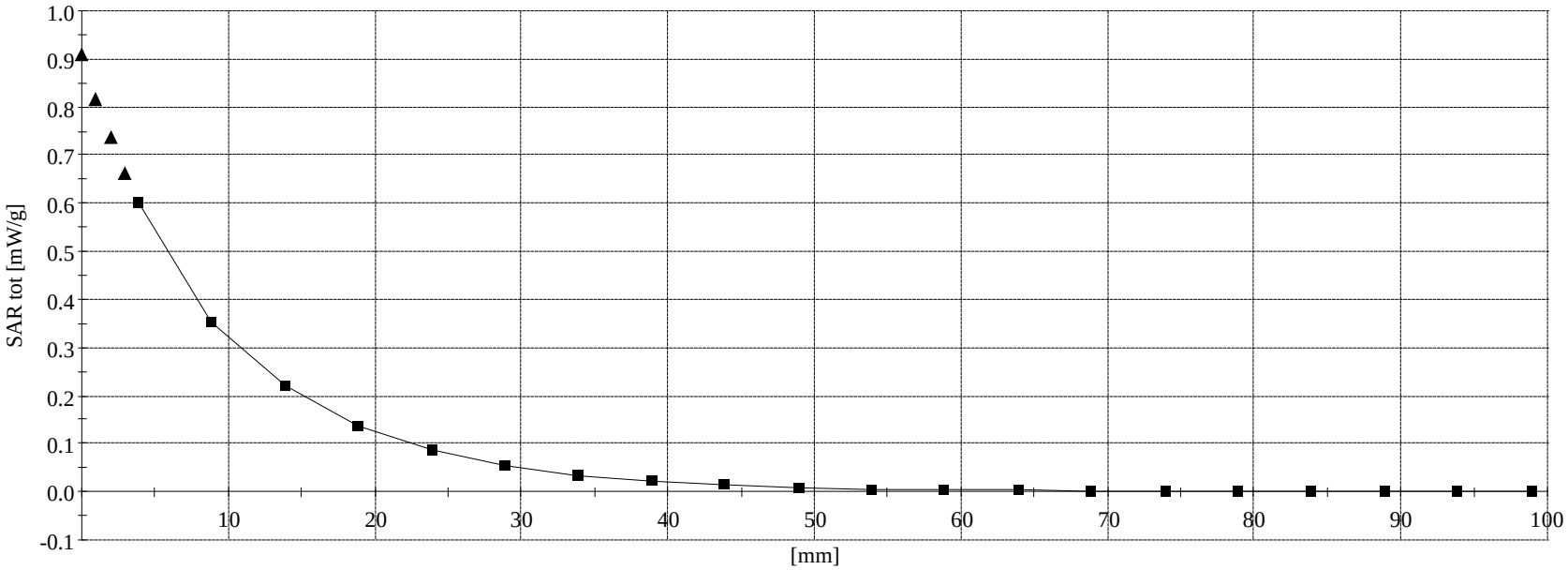
Body SAR with 1.5cm Belt Holster
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

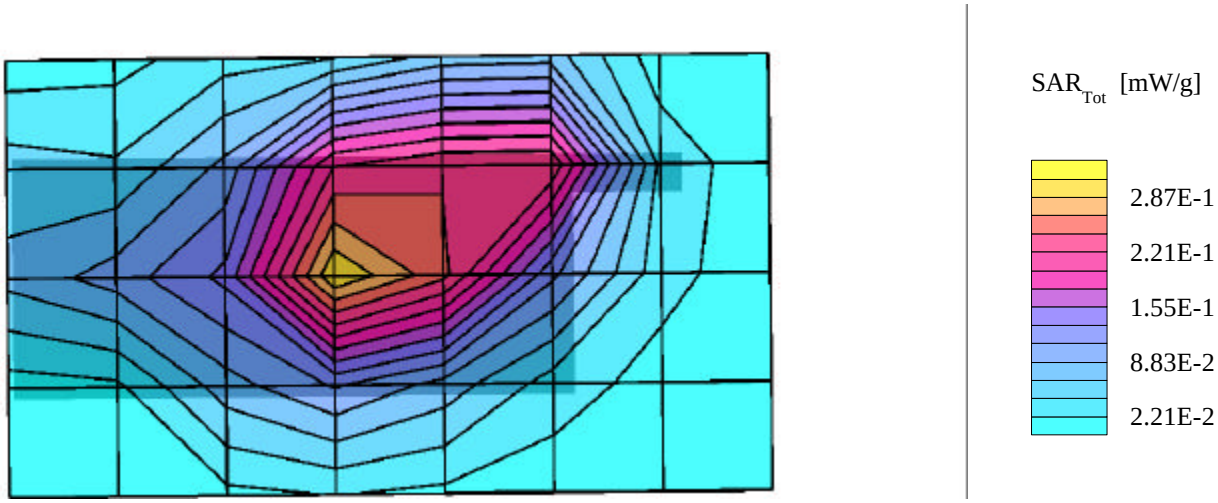
Body SAR with 1.5cm Belt Holster
Standard Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Flat Section; Position: (270°,270°)
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.07dB
SAR (1g): 0.298 mW/g, SAR (10g): 0.183 mW/g

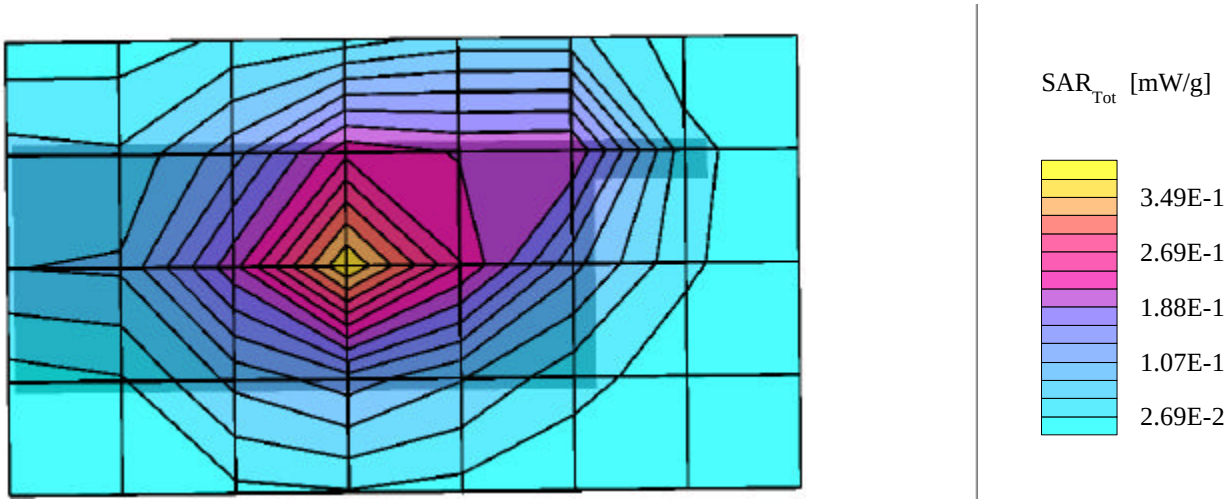
Body SAR with 1.5cm Belt Holster
Extended Battery
Vtech Model: A700
PCS GSM Mode
Low Channel 512 [1850.2 MHz]
Conducted Power 29.44 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Flat Section; Position: (270°,270°)
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7 Powerdrift: 0.01dB
SAR (1g): 0.363 mW/g, SAR (10g): 0.212 mW/g

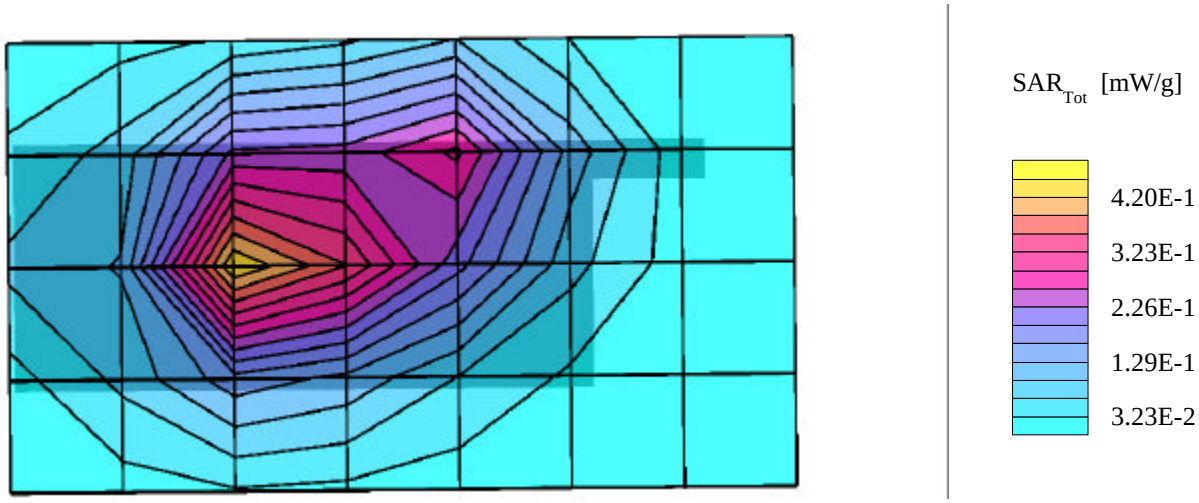
Body SAR with 1.5cm Belt Holster
Extended Battery
Vtech Model: A700
PCS GSM Mode
Mid Channel 661 [1880.0 MHz]
Conducted Power 29.48 dBm
Date Tested: January 7, 2002



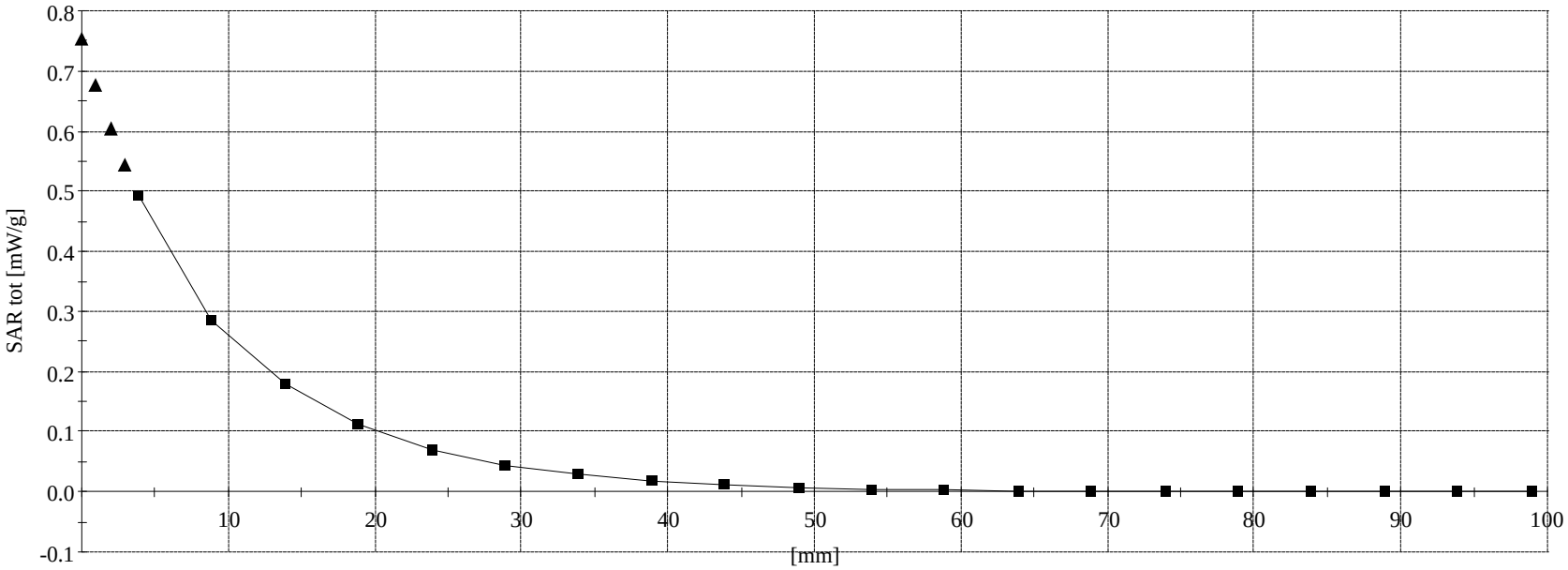
VTECH FCC ID: P5680-5196-00

SAM Phantom; Flat Section; Position: (270°,270°)
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7 Powerdrift: -0.06dB
SAR (1g): 0.438 mW/g, SAR (10g): 0.251 mW/g

Body SAR with 1.5cm Belt Holster
Extended Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002



VTECH FCC ID: P5680-5196-00

SAM Phantom; Section; Position:
Probe: ET3DV6 - SN1590; ConvF(5.36,5.36,5.36); Crest factor: 8.0
1800 MHz Muscle: σ = 1.52 mho/m ε_r = 53.4 ρ = 1.00 g/cm^3
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

Body SAR with 1.5cm Belt Holster
Extended Battery
Vtech Model: A700
PCS GSM Mode
High Channel 810 [1909.8 MHz]
Conducted Power 29.60 dBm
Date Tested: January 7, 2002