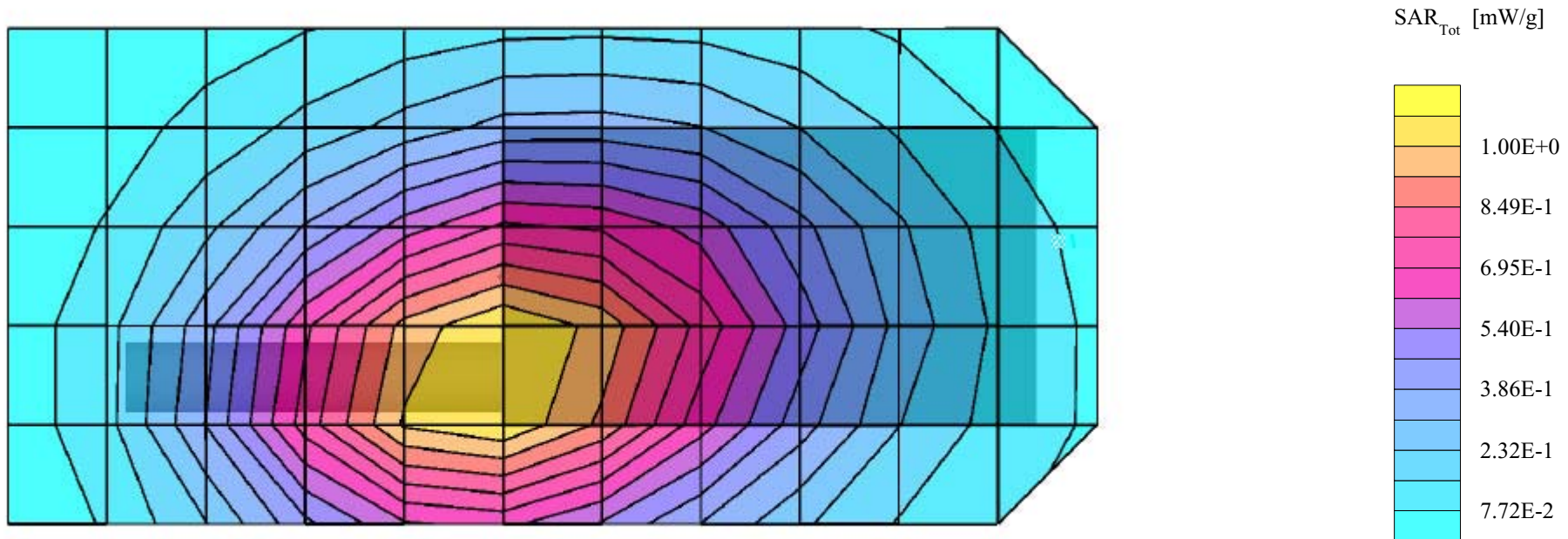


APPENDIX A - SAR MEASUREMENT DATA

Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section; Position: (90°,270°)
Probe: ET3DV6 - SN1387; ConvF(7.50,7.50,7.50); Crest factor: 1.0
450 MHz Brain: $\sigma = 0.84$ mho/m $\epsilon_r = 43.2$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.757 mW/g, SAR (10g): 0.538 mW/g

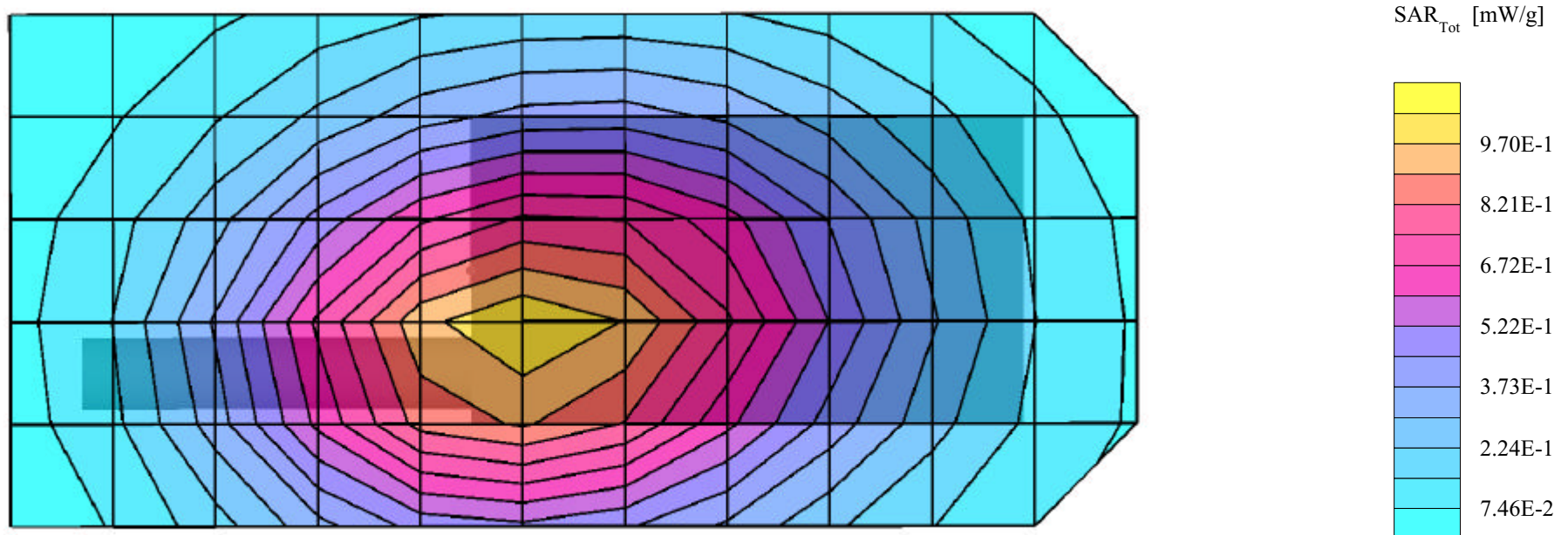
Face-held SAR at 2.5 cm Separation Distance
AWR2108 UHF Portable Radio Transceiver
8.4V Lithium-ion Battery
Continuous Wave Mode
Low Channel [450.1 MHz]
Conducted Power: 2.70 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.4 °C
Date Tested: April 3, 2003



Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section; Position: (90°,270°)
Probe: ET3DV6 - SN1387; ConvF(7.50,7.50,7.50); Crest factor: 1.0
450 MHz Brain: $\sigma = 0.84$ mho/m $\epsilon_r = 43.2$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 0.954 mW/g, SAR (10g): 0.676 mW/g

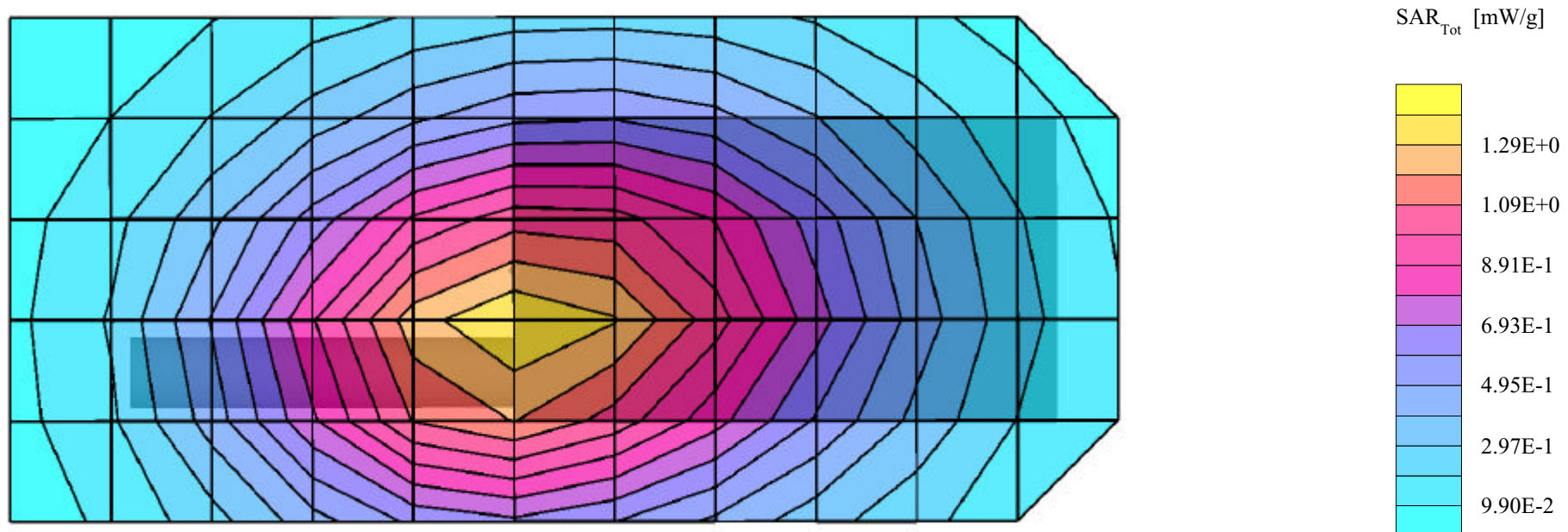
Face-held SAR at 2.5 cm Separation Distance
AWR2108 UHF Portable Radio Transceiver
8.4V Lithium-ion Battery
Continuous Wave Mode
Mid Channel [460.1 MHz]
Conducted Power: 2.73 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.4 °C
Date Tested: April 3, 2003



Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section; Position: (90°,270°)
Probe: ET3DV6 - SN1387; ConvF(7.50,7.50,7.50); Crest factor: 1.0
450 MHz Brain: $\sigma = 0.84$ mho/m $\epsilon_r = 43.2$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.21 mW/g, SAR (10g): 0.866 mW/g

Face-held SAR at 2.5 cm Separation Distance
AWR2108 UHF Portable Radio Transceiver
8.4V Lithium-ion Battery
Continuous Wave Mode
High Channel [469.9 MHz]
Conducted Power: 2.72 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.4 °C
Date Tested: April 3, 2003

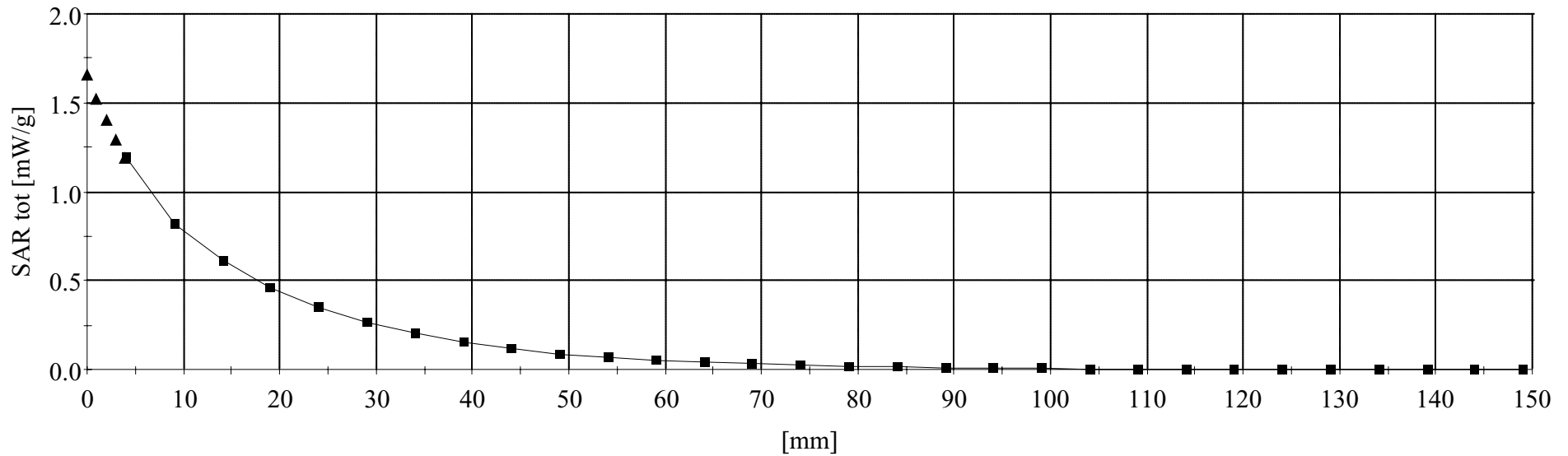


Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section
Probe: ET3DV6 - SN1387; ConvF(7.50,7.50,7.50); Crest factor: 1.0
450 MHz Brain: $\sigma = 0.84$ mho/m $\epsilon_r = 43.2$ $\rho = 1.00$ g/cm³

Z-Axis Extrapolation at Peak SAR Location

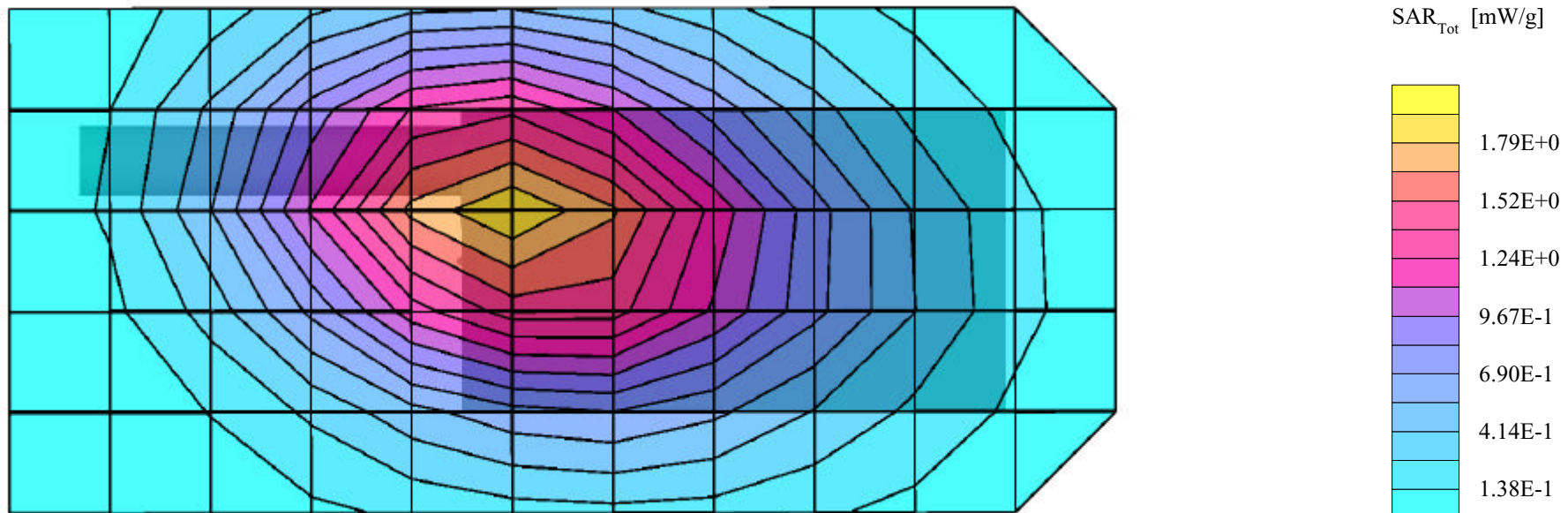
Face-held SAR at 2.5 cm Separation Distance
AWR2108 UHF Portable Radio Transceiver
8.4V Lithium-ion Battery
Continuous Wave Mode
High Channel [469.9 MHz]
Conducted Power: 2.72 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.4 °C
Date Tested: April 3, 2003



Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section; Position: (270°,90°)
Probe: ET3DV6 - SN1387; ConvF(7.70,7.70,7.70); Crest factor: 1.0
450 MHz Muscle: $\sigma = 0.93$ mho/m $\epsilon_r = 58.5$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 1.71 mW/g, SAR (10g): 1.20 mW/g

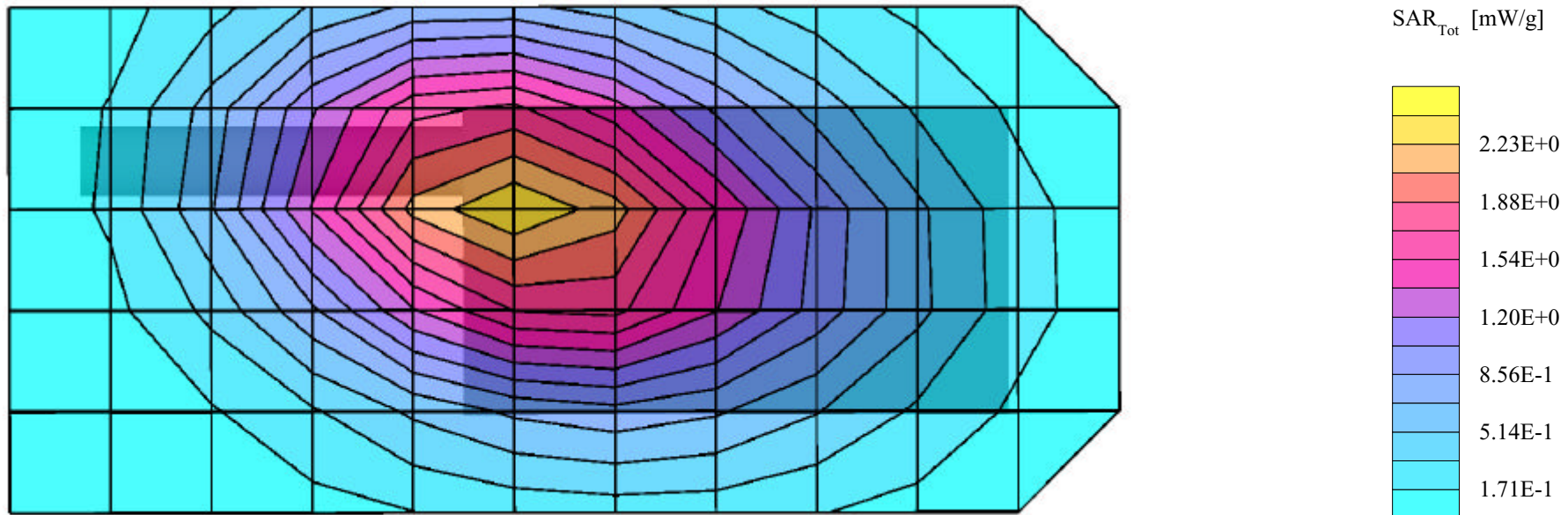
Body SAR with 1.3 cm Belt-Clip Separation Distance
AWR2108 UHF Portable Radio Transceiver
with Lapel Ear-Microphone Accessory
8.4V Lithium-ion Battery
Continuous Wave Mode
Low Channel [450.1 MHz]
Conducted Power: 2.70 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.3 °C
Date Tested: April 3, 2003



Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section; Position: (270°,90°)
Probe: ET3DV6 - SN1387; ConvF(7.70,7.70,7.70); Crest factor: 1.0
450 MHz Muscle: $\sigma = 0.93$ mho/m $\epsilon_r = 58.5$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.15 mW/g, SAR (10g): 1.50 mW/g

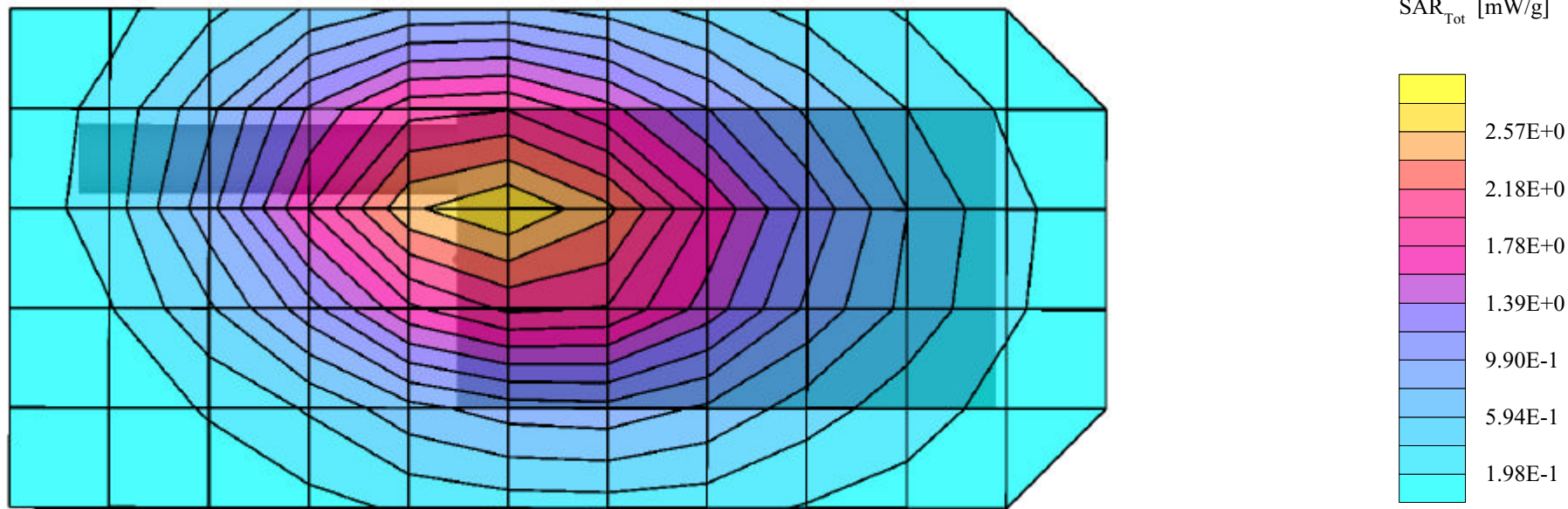
Body SAR with 1.3 cm Belt-Clip Separation Distance
AWR2108 UHF Portable Radio Transceiver
with Lapel Ear-Microphone Accessory
8.4V Lithium-ion Battery
Continuous Wave Mode
Mid Channel [460.1 MHz]
Conducted Power: 2.72 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.3 °C
Date Tested: April 3, 2003



Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section; Position: (270°,90°)
Probe: ET3DV6 - SN1387; ConvF(7.70,7.70,7.70); Crest factor: 1.0
450 MHz Muscle: $\sigma = 0.93$ mho/m $\epsilon_r = 58.5$ $\rho = 1.00$ g/cm³
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Cube 5x5x7
SAR (1g): 2.33 mW/g, SAR (10g): 1.65 mW/g

Body SAR with 1.3 cm Belt-Clip Separation Distance
AWR2108 UHF Portable Radio Transceiver
with Lapel Ear-Microphone Accessory
8.4V Lithium-ion Battery
Continuous Wave Mode
High Channel [469.9 MHz]
Conducted Power: 2.71 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.3 °C
Date Tested: April 3, 2003



Advanced Wireless Communications FCC ID: Q9S04032108

SAM Phantom; Flat Section
Probe: ET3DV6 - SN1387; ConvF(7.70,7.70,7.70); Crest factor: 1.0
450 MHz Muscle: $\sigma = 0.93$ mho/m $\epsilon_r = 58.5$ $\rho = 1.00$ g/cm³

Z-Axis Extrapolation at Peak SAR Location

Body SAR with 1.3 cm Belt-Clip Separation Distance
AWR2108 UHF Portable Radio Transceiver
with Lapel Ear-Microphone Accessory
8.4V Lithium-ion Battery
Continuous Wave Mode
High Channel [469.9 MHz]
Conducted Power: 2.71 Watts
Ambient Temp 23.1 °C; Fluid Temp 21.3 °C
Date Tested: April 3, 2003

