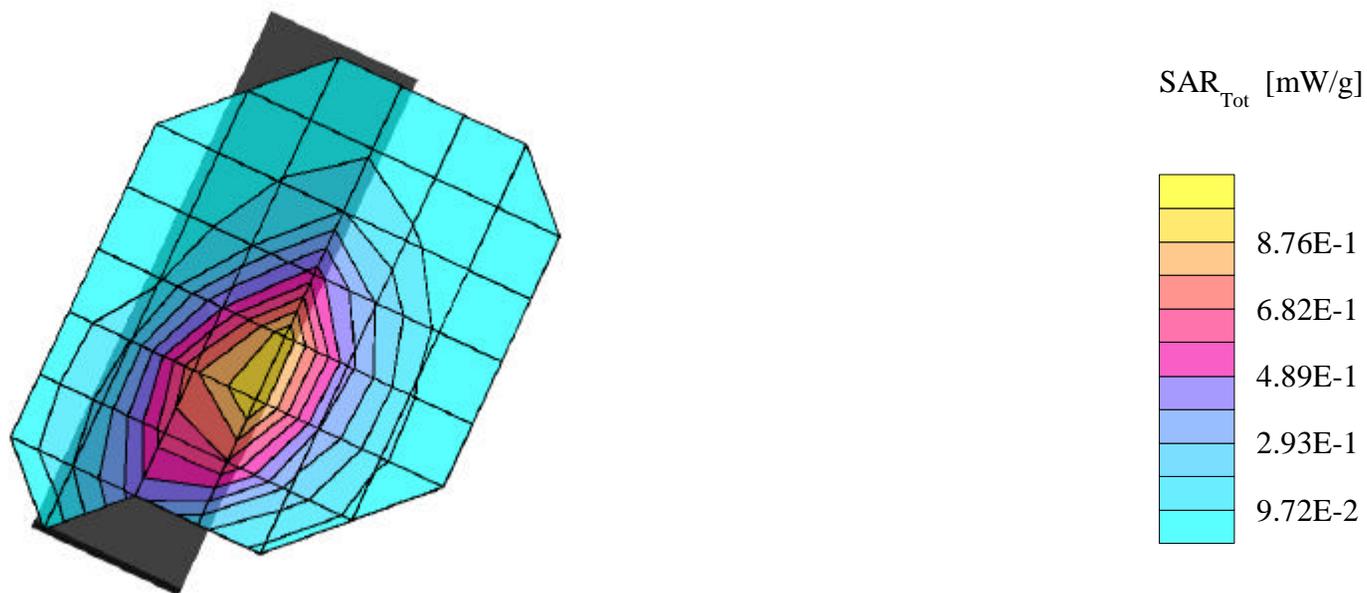


# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- In; Crest Factor 1.0  
**SAR (1g): 1.03 mW/g, SAR (10g): 0.706 mW/g**

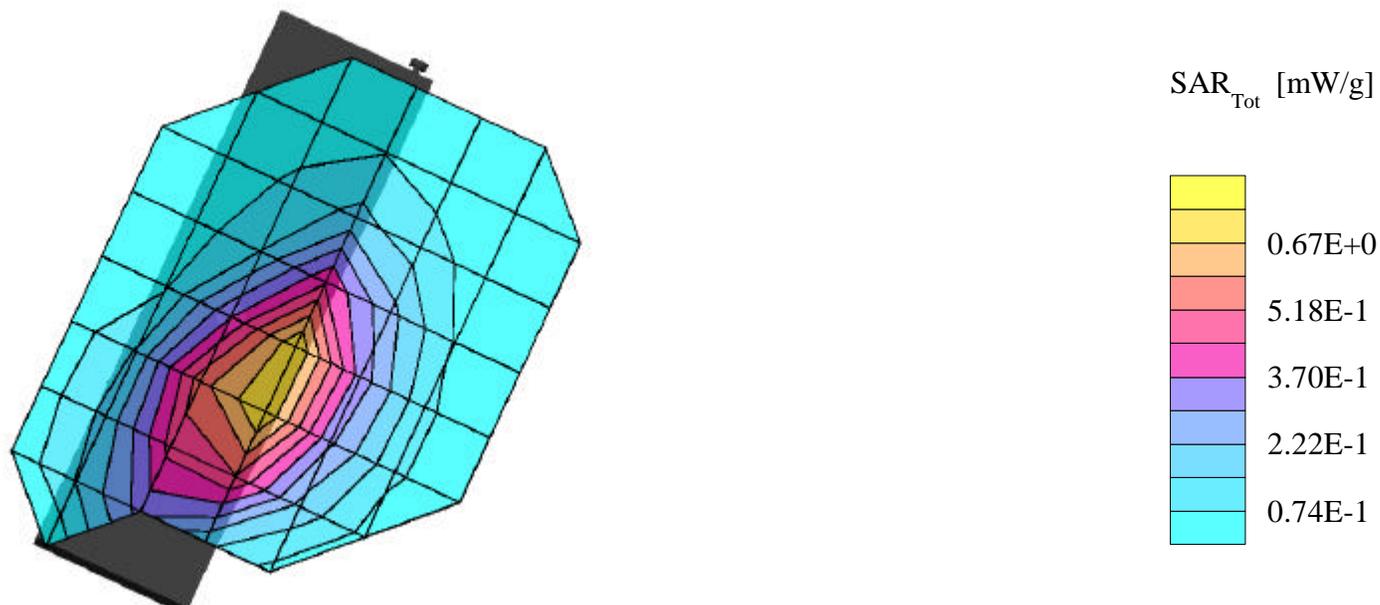
SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.1013 [824.70MHz]; Extended Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0  
**SAR (1g): 0.785 mW/g, SAR (10g): 0.550 mW/g**

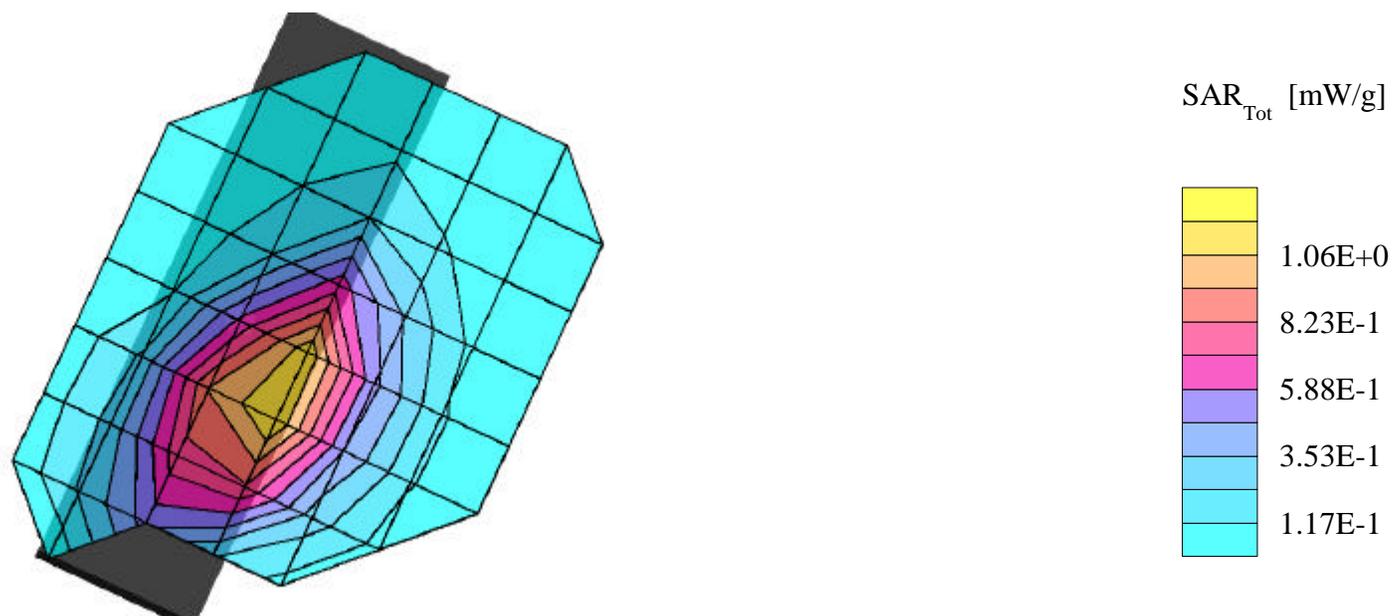
SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.1013 [824.70MHz]; Extended Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- In; Crest Factor 1.0  
**SAR (1g): 1.22 mW/g, SAR (10g): 0.848 mW/g**

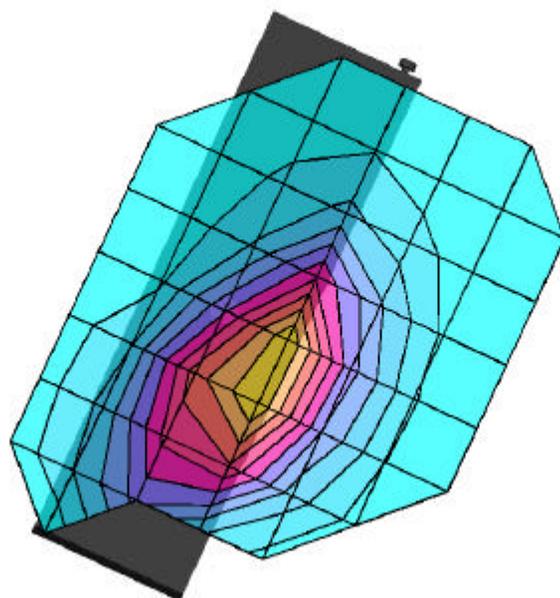
SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.0383 [836.49MHz]; Extended Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



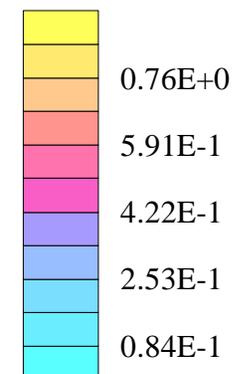
# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0  
**SAR (1g): 0.888 mW/g, SAR (10g): 0.613 mW/g**

SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.0383 [836.49MHz]; Extended Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



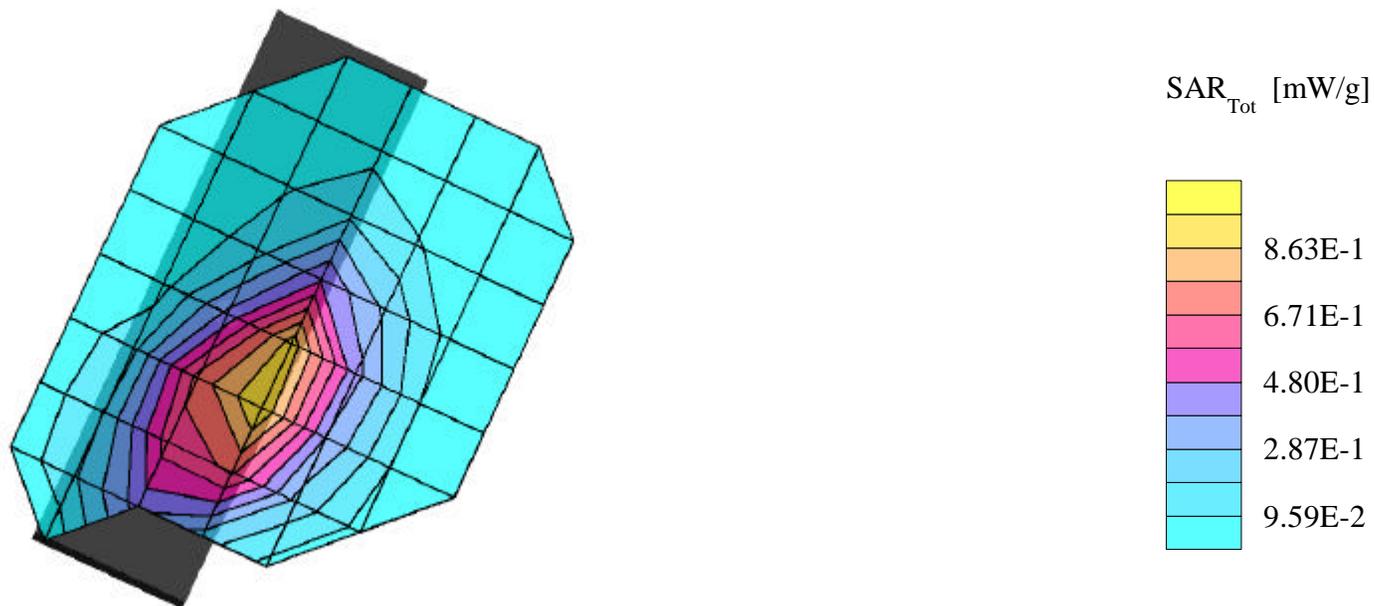
SAR<sub>Tot</sub> [mW/g]



# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- In; Crest Factor 1.0  
**SAR (1g): 1.01 mW/g, SAR (10g): 0.700 mW/g**

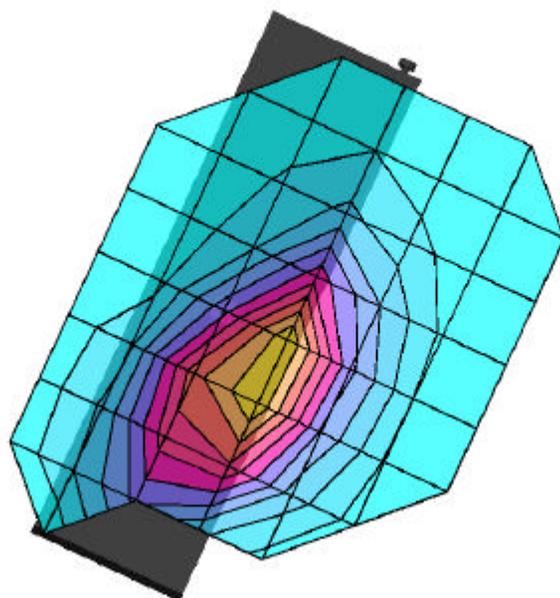
SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.0777 [848.31MHz]; Extended Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



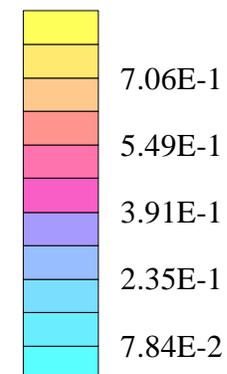
# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0  
**SAR (1g): 0.816 mW/g, SAR (10g): 0.566 mW/g**

SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.0777 [848.31MHz]; Extended Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



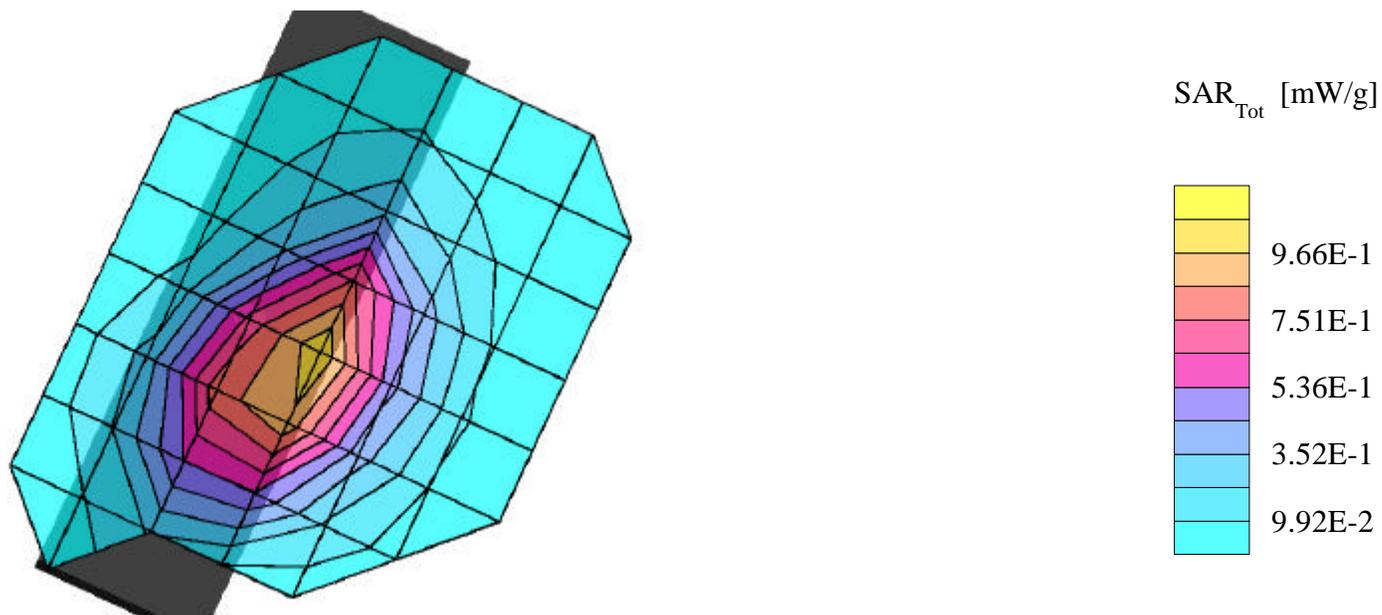
SAR<sub>Tot</sub> [mW/g]



# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- In; Crest Factor 1.0  
**SAR (1g): 1.09 mW/g, SAR (10g): 0.761 mW/g**

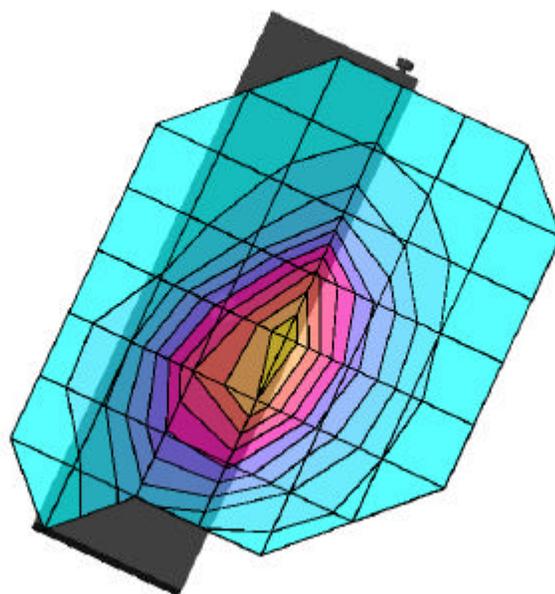
SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.0777 [848.31MHz]; Standard Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



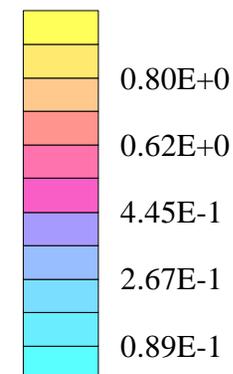
# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Head SAR

Generic Twin Phantom; Left Hand Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01  
Med. Parameters 835 MHz Brain:  $\sigma = 0.90$  mho/m  $\epsilon_r = 41.5$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0  
**SAR (1g): 0.824 mW/g, SAR (10g): 0.575 mW/g**

SAMSUNG TriMode Phone Model:SPH-A450  
Cellular CDMA Mode, Ch.0777 [848.31 MHz]; Standard Battery  
Conducted Power = 25.5dBm; Left Head Phantom, Cheek/Touch position  
Test Date -- 10/30/2001



SAR<sub>Tot</sub> [mW/g]



# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Body SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01

Med. Parameters 835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- In; Crest Factor 1.0

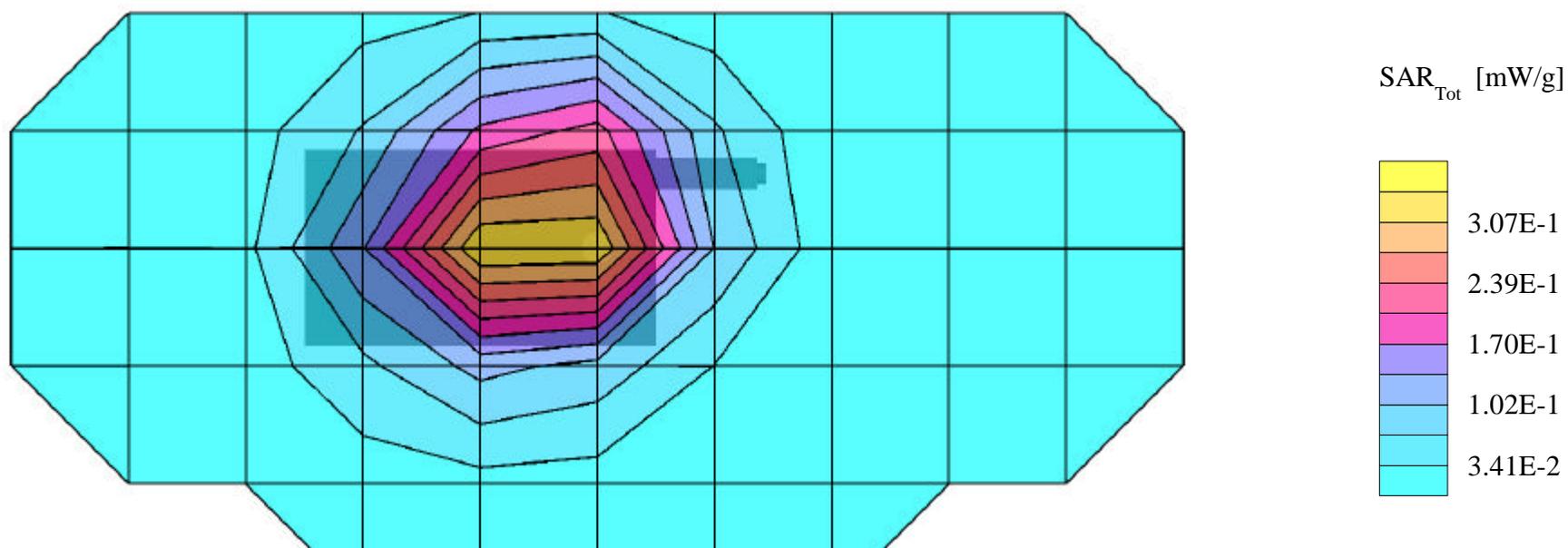
**SAR (1g): 0.382 mW/g, SAR (10g): 0.273 mW/g**

SAMSUNG TriMode Phone Model:SPH-A450

Cellular CDMA Mode, Ch.1013 [824.70MHz]; Flat Phantom; Extended Battery

Conducted Power = 25.5dBm; Spacing = 2.0cm from flat phantom to phone, NO BeltClip/NO Holster

Test Date -- 10/30/2001



# SAMSUNG FCC ID:A3LSPHA450 -- Cellular CDMA Body SAR

Generic Twin Phantom; Flat Section; Probe: ET3DV6 - SN1560 -- Probe Cal Date 20/02/01

Med. Parameters 835 MHz Muscle:  $\sigma = 0.97$  mho/m  $\epsilon_r = 55.2$   $\rho = 1.00$  g/cm<sup>3</sup>; Antenna Position -- Out; Crest Factor 1.0

**SAR (1g): 0.578 mW/g, SAR (10g): 0.415 mW/g**

SAMSUNG TriMode Phone Model:SPH-A450

Cellular CDMA Mode, Ch.1013 [824.70MHz]; Flat Phantom; Extended Battery

Conducted Power = 25.5dBm; Spacing = 2.0cm from flat phantom to phone, NO BeltClip/NO Holster

Test Date -- 10/30/2001

