

## **Validation Plots**

# 09-10-01, 900MHz Validation, Target=0.0944mW/g

SAR (1g): 0.0902 [mW/g]  $\pm$  0.07 dB, SAR (10g): 0.0589 [mW/g]  $\pm$  0.07 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

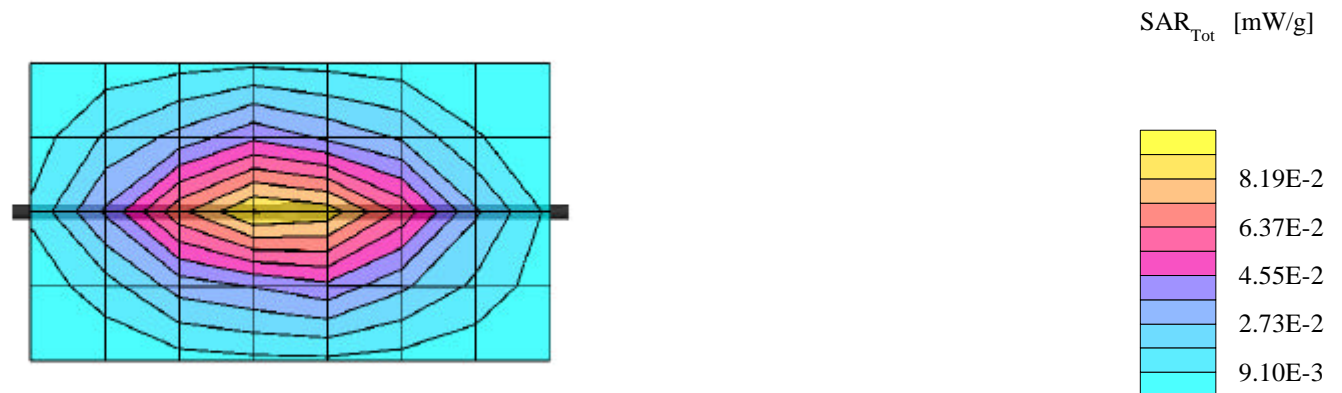
Probe: ET3DV5 - SN1353; ConvF(5.70,5.70,5.70)

Brain 900 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 42.8$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: Validation in Cellular band 09-10-01.DA3

Operator: DWS

Powerdrift: -0.12 dB



# 09-13-2001, 1800MHz Validation, Target=0.399mW/g

SAR (1g): 0.386 [mW/g]  $\pm$  0.05 dB, SAR (10g): 0.197 [mW/g]  $\pm$  0.05 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

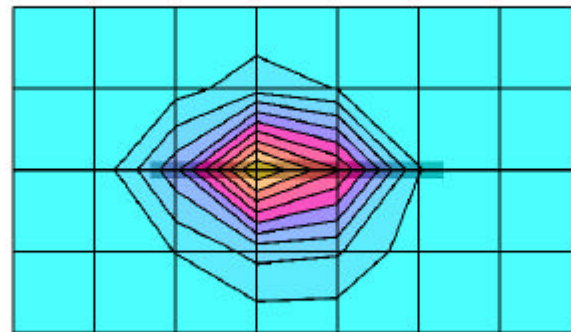
Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

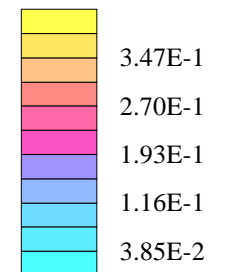
File Name: FCC ValidationFlat 1800MHz 09-13-2001.DA3

Operator: DWS

Powerdrift: -0.18 dB



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



## Brain SAR Result Plots

# K1 P4A #1617, FM ch991, hdet=413, conducted power=26.39dBm

SAR (1g): 1.25 [mW/g]  $\pm$  0.09 dB, SAR (10g): 0.899 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

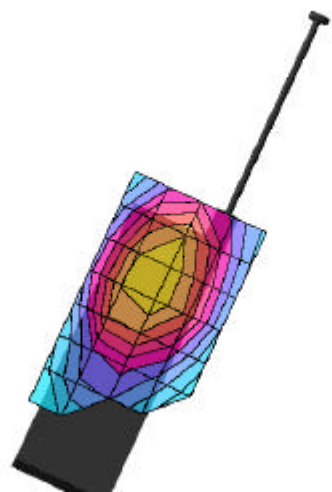
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

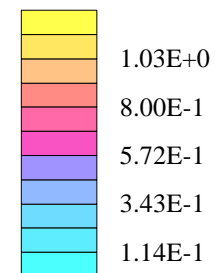
File Name: K1 P4A #1617, FCC Test, FM ch991, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.10 dB



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



# K1 P4A #1617, FM ch991, hdet=413, conducted power=26.39dBm

SAR (1g): 0.964 [mW/g]  $\pm$  0.09 dB, SAR (10g): 0.683 [mW/g]  $\pm$  0.13 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

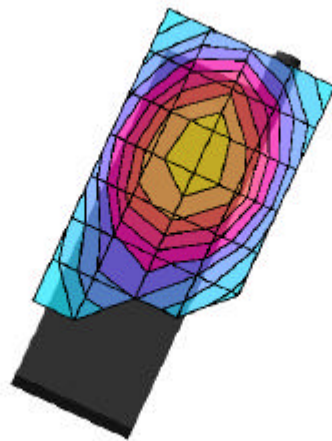
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

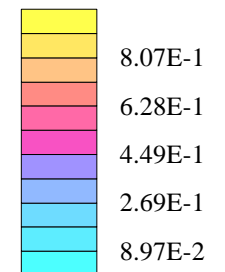
File Name: K1 P4A #1617, FCC Test, FM ch991, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.02 dB



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



# K1 P4A #1617, FM ch383, hdet=409, conducted power=26.35dBm

SAR (1g): 1.25 [mW/g]  $\pm$  0.00 dB, SAR (10g): 0.847 [mW/g]  $\pm$  0.03 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

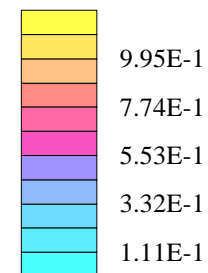
File Name: K1 P4A #1617, FCC Test, FM ch383, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.08 dB



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



# K1 P4A #1617, FM ch383, hdet=409, conducted power=26.35dBm

SAR (1g): 1.14 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.777 [mW/g]  $\pm$  0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

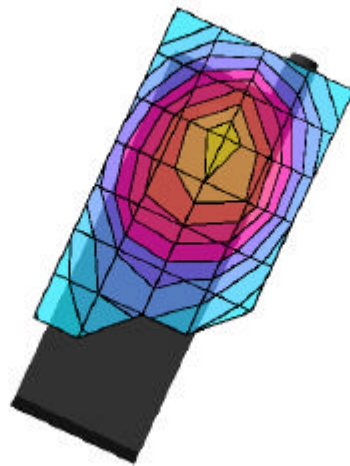
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

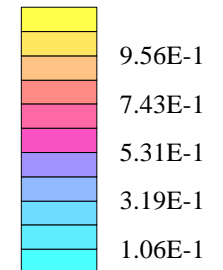
File Name: K1 P4A #1617, FCC Test, FM ch383, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.07 dB



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





# K1 P4A #1617, FM ch799, hdet=419, conducted power=26.35dBm

SAR (1g): 1.34 [mW/g]  $\pm$  0.02 dB, SAR (10g): 0.912 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

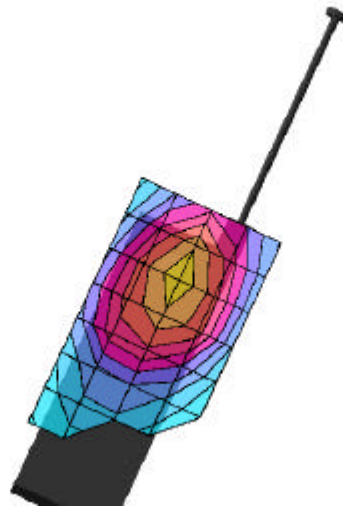
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

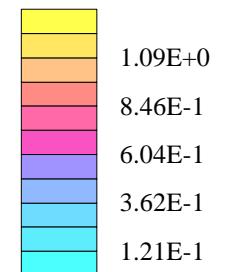
File Name: K1 P4A #1617, FCC Test, FM ch799, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.04 dB



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



# K1 P4A #1617, FM ch799, hdet=419, conducted power=26.35dBm

SAR (1g): 1.27 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.872 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

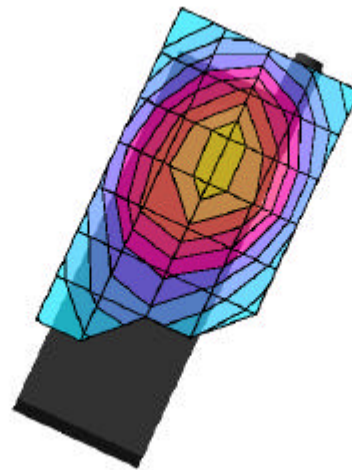
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

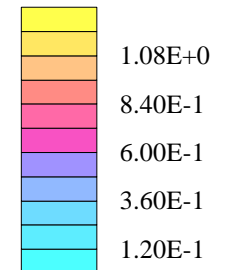
File Name: K1 P4A #1617, FCC Test, FM ch799, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.20 dB



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



# K1 P4A #1617, CDMA ch777, hdet=404, conducted power=24.91dBm

SAR (1g): 1.02 [mW/g]  $\pm$  0.09 dB, SAR (10g): 0.687 [mW/g]  $\pm$  0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

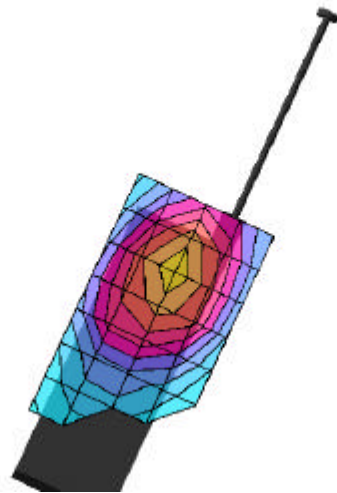
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, CDMA ch777, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.03 dB



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



# K1 P4A #1617, CDMA ch777, hdet=404, conducted power=24.91dBm

SAR (1g): 0.984 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.676 [mW/g]  $\pm$  0.10 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

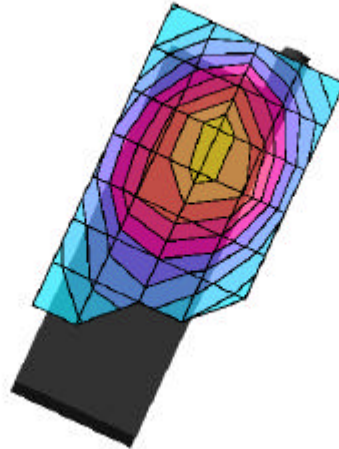
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Brain 835 MHz:  $\sigma = 0.85$  [mho/m]  $\epsilon_r = 43.5$   $\rho = 1.00$  [g/cm<sup>3</sup>]

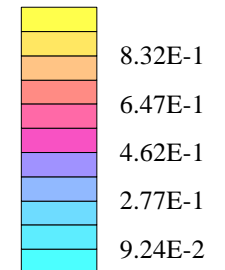
File Name: K1 P4A #1617, FCC Test, CDMA ch777, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.12 dB



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



# K1 P4A #1617, FM ch25, hdet=40, conducted power=23.16dBm

SAR (1g): 1.26 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.640 [mW/g]  $\pm$  0.06 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

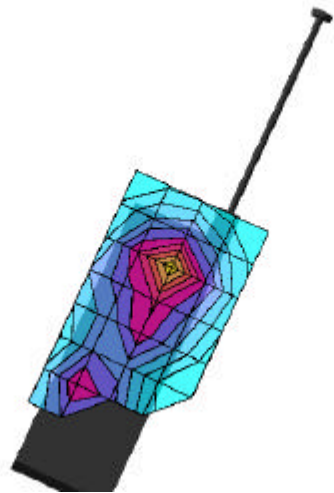
Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

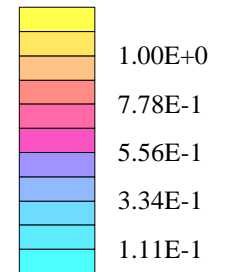
File Name: K1 P4A #1617, FCC Test, PCS ch25, 09-13-01.DA3

Operator: DWS

Powerdrift: 0.00 dB



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



# K1 P4A #1617, FM ch25, hdet=40, conducted power=23.16dBm

SAR (1g): 1.40 [mW/g]  $\pm$  0.17 dB, SAR (10g): 0.719 [mW/g]  $\pm$  0.17 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

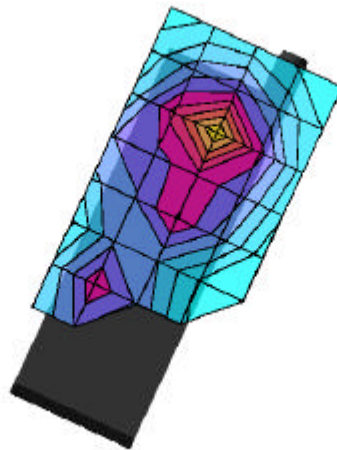
Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

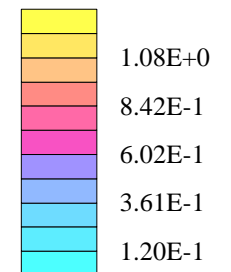
File Name: K1 P4A #1617, FCC Test, PCS ch25, 09-13-01.DA3

Operator: DWS

Powerdrift: 0.22 dB



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



# K1 P4A #1617, FM ch600, hdet=39, conducted power=23.19dBm

SAR (1g): 1.13 [mW/g]  $\pm$  0.10 dB, SAR (10g): 0.577 [mW/g]  $\pm$  0.09 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

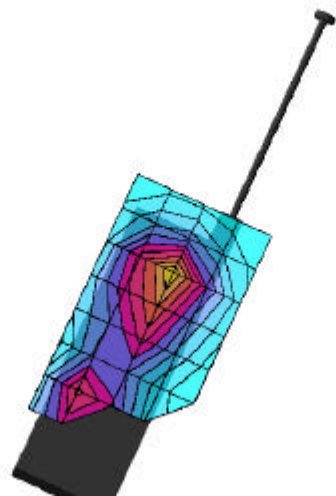
Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

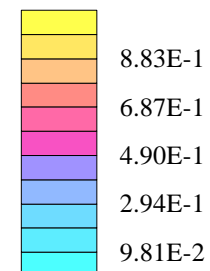
File Name: K1 P4A #1617, FCC Test, PCS ch600, 09-13-01.DA3

Operator: DWS

Powerdrift: 0.01 dB



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



# K1 P4A #1617, FM ch600, hdet=39, conducted power=23.19dBm

SAR (1g): 1.25 [mW/g]  $\pm$  0.13 dB, SAR (10g): 0.638 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

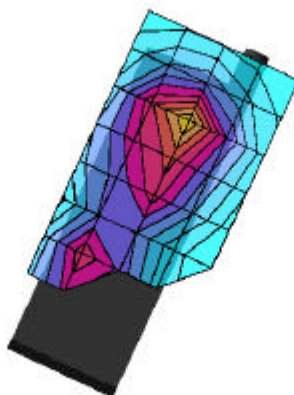
Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

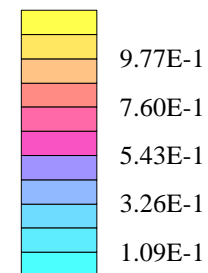
File Name: K1 P4A #1617, FCC Test, PCS ch600, 09-13-01.DA3

Operator: DWS

Powerdrift: -0.03 dB



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





# K1 P4A #1617, FM ch1175, hdet=47, conducted power=23.17dBm

SAR (1g): 1.05 [mW/g]  $\pm$  0.16 dB, SAR (10g): 0.545 [mW/g]  $\pm$  0.11 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch1175, 09-13-01.DA3

Operator: DWS

Powerdrift: 0.12 dB



# K1 P4A #1617, FM ch1175, hdet=47, conducted power=23.17dBm

SAR (1g): 1.16 [mW/g]  $\pm$  0.13 dB, SAR (10g): 0.600 [mW/g]  $\pm$  0.07 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Left Hand Section

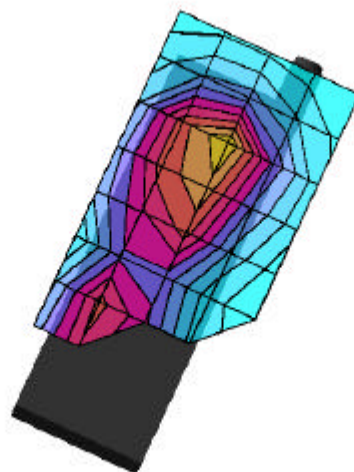
Probe: ET3DV5 - SN1353; ConvF(5.00,5.00,5.00)

Brain 1800 MHz:  $\sigma = 1.68$  [mho/m]  $\epsilon_r = 41.2$   $\rho = 1.00$  [g/cm<sup>3</sup>]

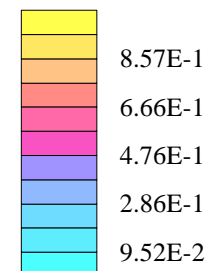
File Name: K1 P4A #1617, FCC Test, PCS ch1175, 09-13-01.DA3

Operator: DWS

Powerdrift: 0.14 dB



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



## **Muscle SAR Result Plots**

**With a Belt Clip**

# K1 P4A #1617, FM ch991, muscle with beltclip, conducted power=26.39dBm

SAR (1g): 0.496 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.369 [mW/g]  $\pm$  0.05 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

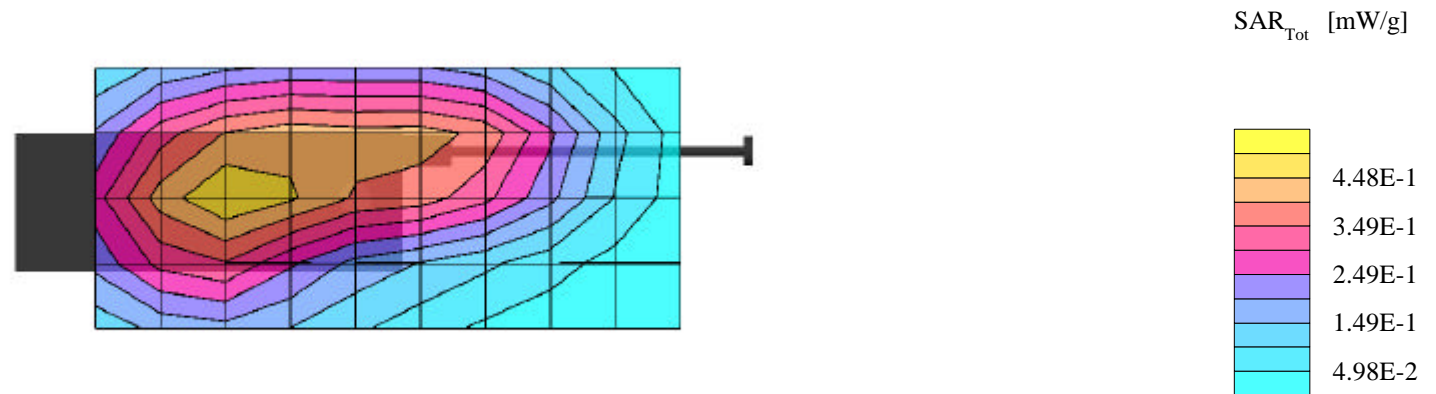
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch991, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.02 dB



# K1 P4A #1617, FM ch991, muscle with beltclip, conducted power=26.39dBm

SAR (1g): 0.443 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.327 [mW/g]  $\pm$  0.05 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

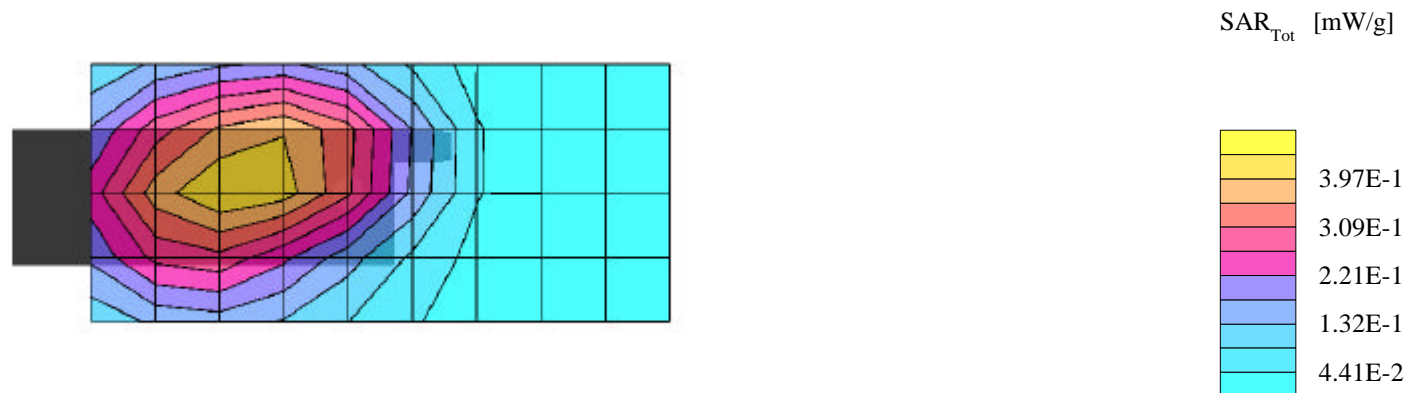
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch991, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.01 dB



# K1 P4A #1617, FM ch383, muscle with beltclip, conducted power=26.35dBm

SAR (1g): 0.512 [mW/g]  $\pm$  0.01 dB, SAR (10g): 0.364 [mW/g]  $\pm$  0.03 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

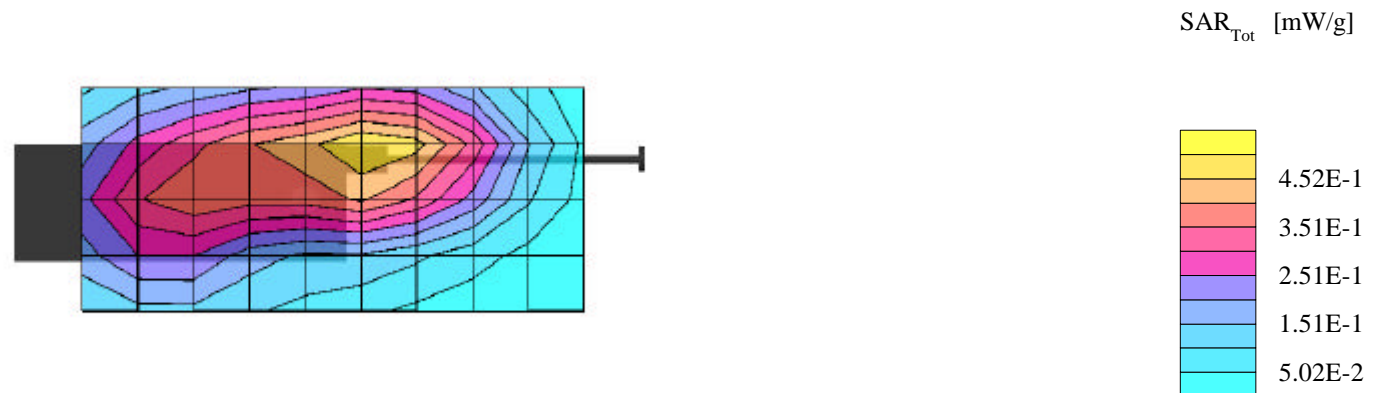
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch383, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.12 dB



# K1 P4A #1617, FM ch383, muscle with beltclip, conducted power=26.35dBm

SAR (1g): 0.403 [mW/g]  $\pm$  0.13 dB, SAR (10g): 0.287 [mW/g]  $\pm$  0.12 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

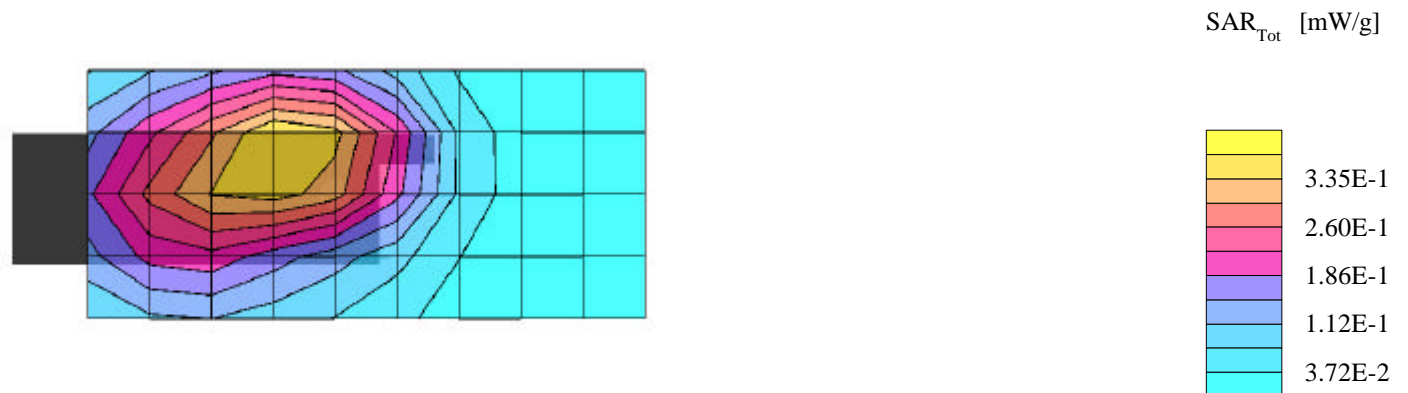
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch383, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.04 dB



# K1 P4A #1617, FM ch799, muscle with beltclip, conducted power=26.35dBm

SAR (1g): 0.657 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.469 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

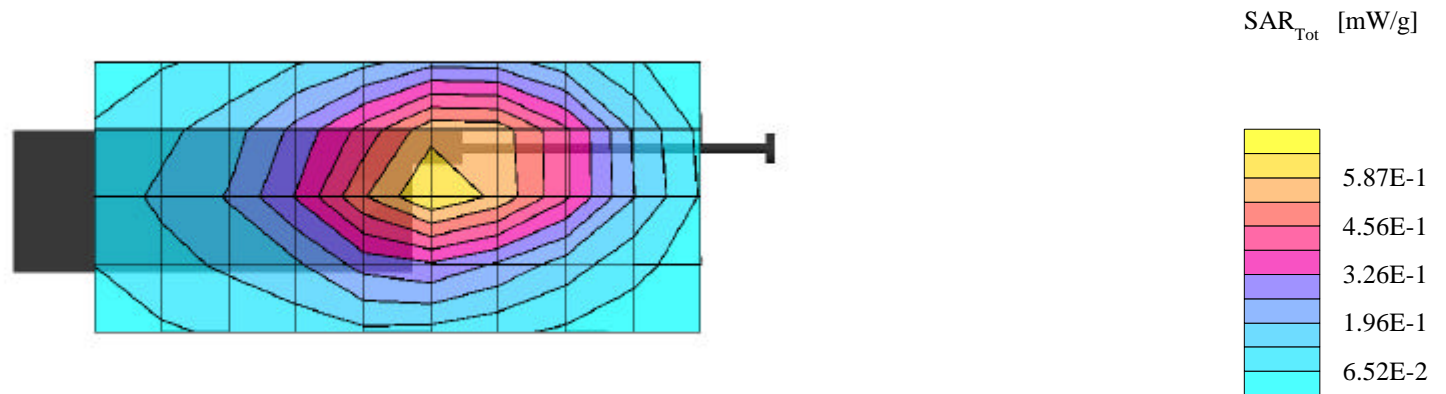
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch799, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.01 dB





# K1 P4A #1617, FM ch799, muscle with beltclip, conducted power=26.35dBm

SAR (1g): 0.432 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.302 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

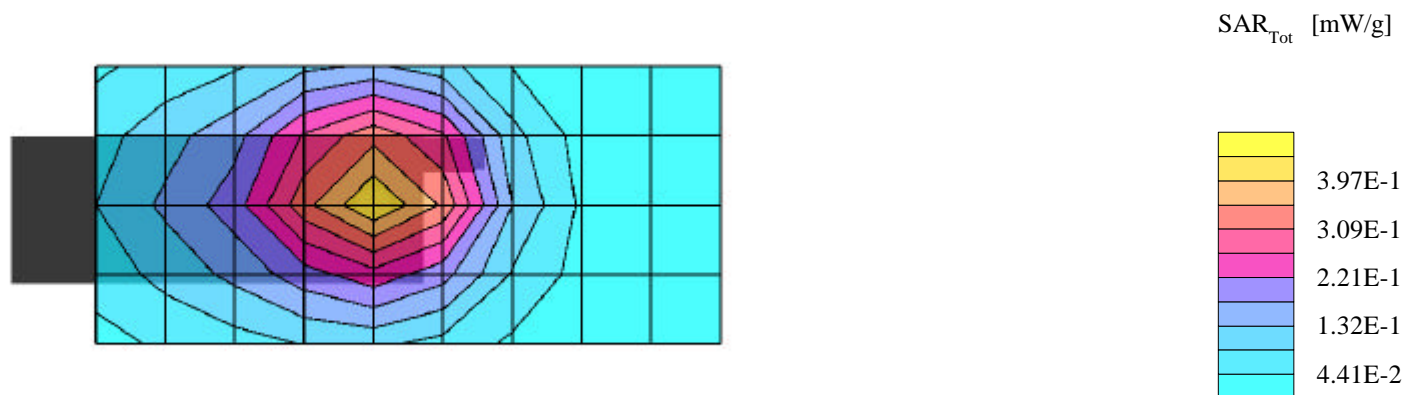
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch799, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.13 dB



# K1 P4A #1617, CDMA ch777, muscle with beltclip, conducted power=24.91dBm

SAR (1g): 0.516 [mW/g]  $\pm$  0.07 dB, SAR (10g): 0.368 [mW/g]  $\pm$  0.06 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

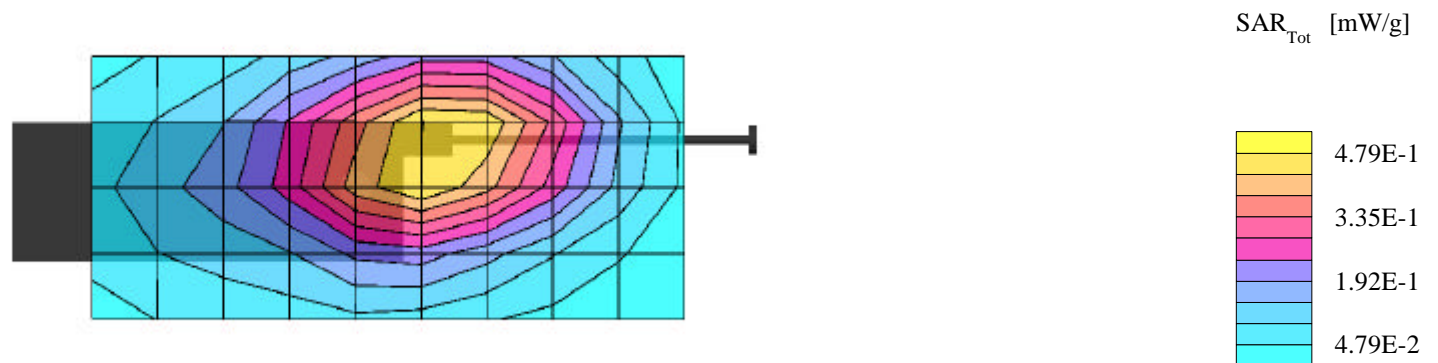
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, CDMA ch777, muscle with beltclip 09-10-01.DA3

Operator: DWS

Powerdrift: 0.09 dB



# K1 P4A #1617, CDMA ch777, muscle with beltclip, conducted power=24.91dBm

SAR (1g): 0.342 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.240 [mW/g]  $\pm$  0.05 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

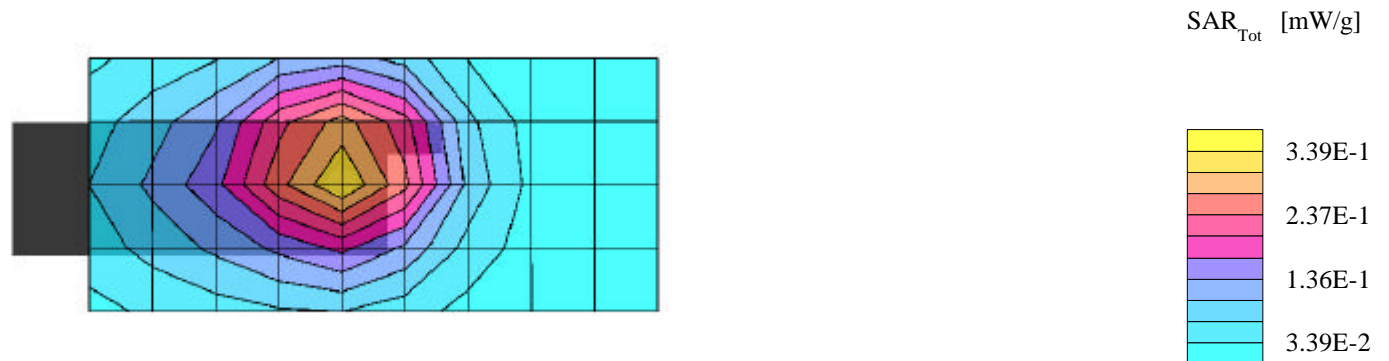
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, CDMA ch777, muscle with beltclip 09-10-01.DA3

Operator: DWS

Powerdrift: 0.00 dB



# K1 P4A #1617, PCS ch25, muscle with beltclip, conducted power=23.19dBm

SAR (1g): 0.323 [mW/g]  $\pm$  0.05 dB, SAR (10g): 0.196 [mW/g]  $\pm$  0.06 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

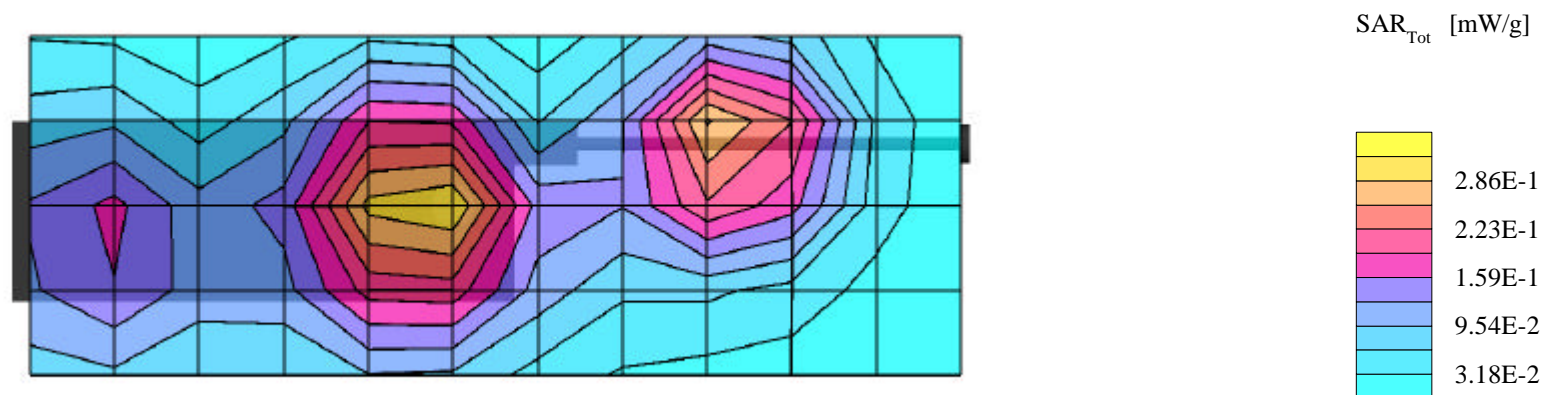
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch25, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.10 dB



# K1 P4A #1617, PCS ch25, muscle with beltclip, conducted power=23.19dBm

SAR (1g): 0.341 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.207 [mW/g]  $\pm$  0.05 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

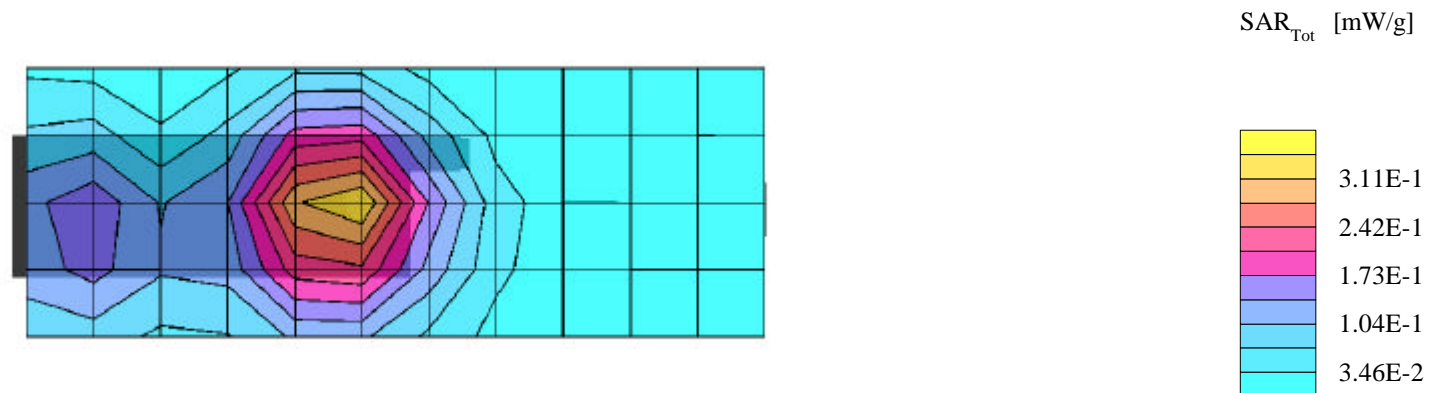
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch25, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.12 dB



# K1 P4A #1617, PCS ch600, muscle with beltclip, conducted power=23.19dBm

SAR (1g): 0.271 [mW/g]  $\pm$  0.09 dB, SAR (10g): 0.162 [mW/g]  $\pm$  0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

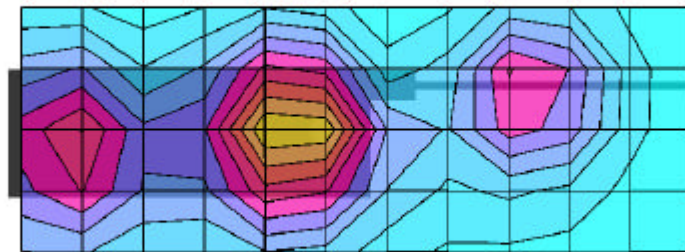
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

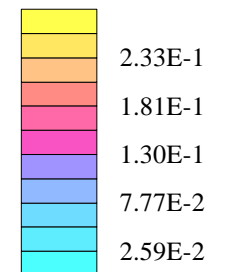
File Name: K1 P4A #1617, FCC Test, PCS ch600, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.04 dB



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



# K1 P4A #1617, PCS ch600, muscle with beltclip, conducted power=23.19dBm

SAR (1g): 0.290 [mW/g]  $\pm$  0.10 dB, SAR (10g): 0.174 [mW/g]  $\pm$  0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

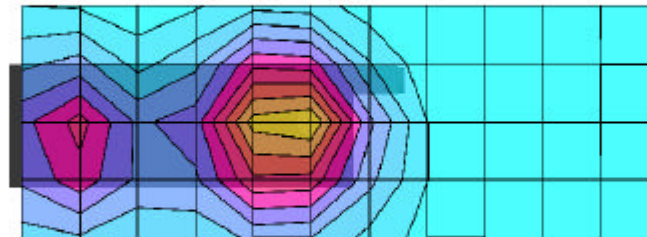
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

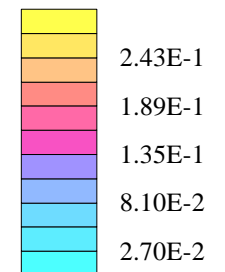
File Name: K1 P4A #1617, FCC Test, PCS ch600, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.00 dB



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



# K1 P4A #1617, PCS ch1175, muscle with beltclip, conducted power=23.17dBm

SAR (1g): 0.257 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.155 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

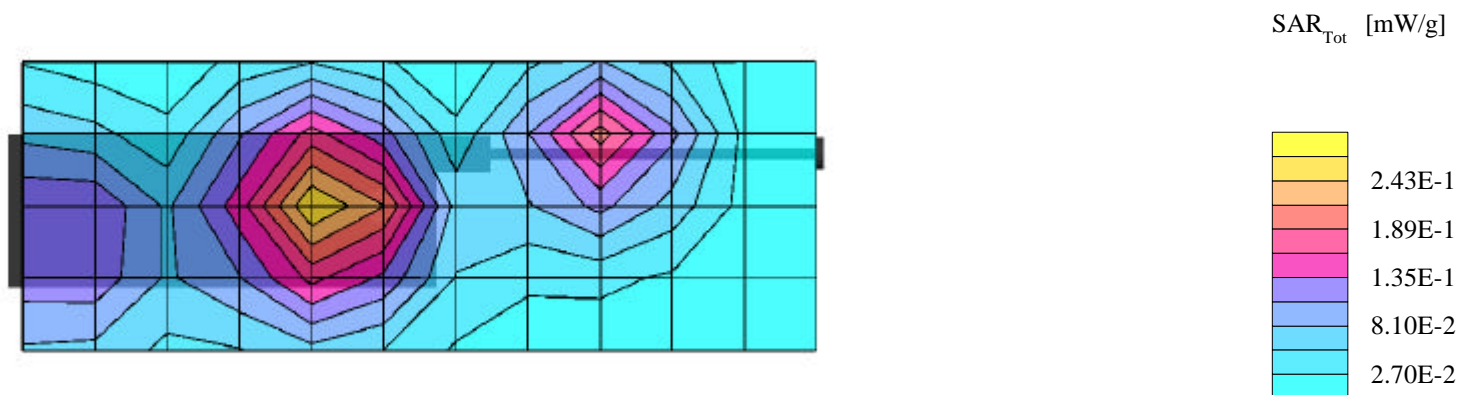
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch1175, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.05 dB





# K1 P4A #1617, PCS ch1175, muscle with beltclip, conducted power=23.17dBm

SAR (1g): 0.266 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.160 [mW/g]  $\pm$  0.00 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

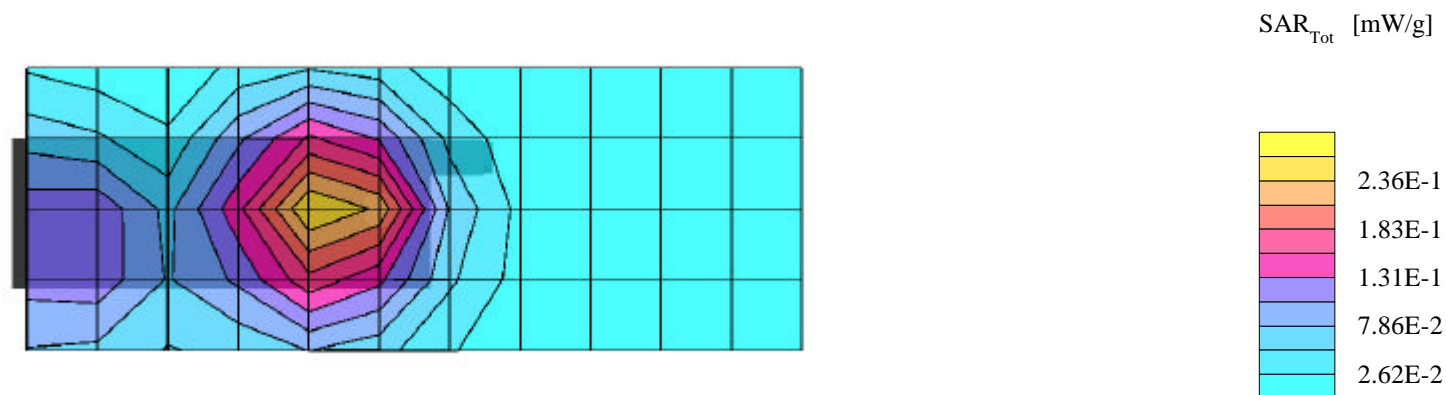
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch1175, muscle with beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.01 dB



## **Muscle SAR Result Plots**

**Without a Belt Clip, with 22.5mm Air Space**

# K1 P4A #1617, FM ch991, muscle without beltclip, conducted power=26.39dBm

SAR (1g): 0.532 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.373 [mW/g]  $\pm$  0.02 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

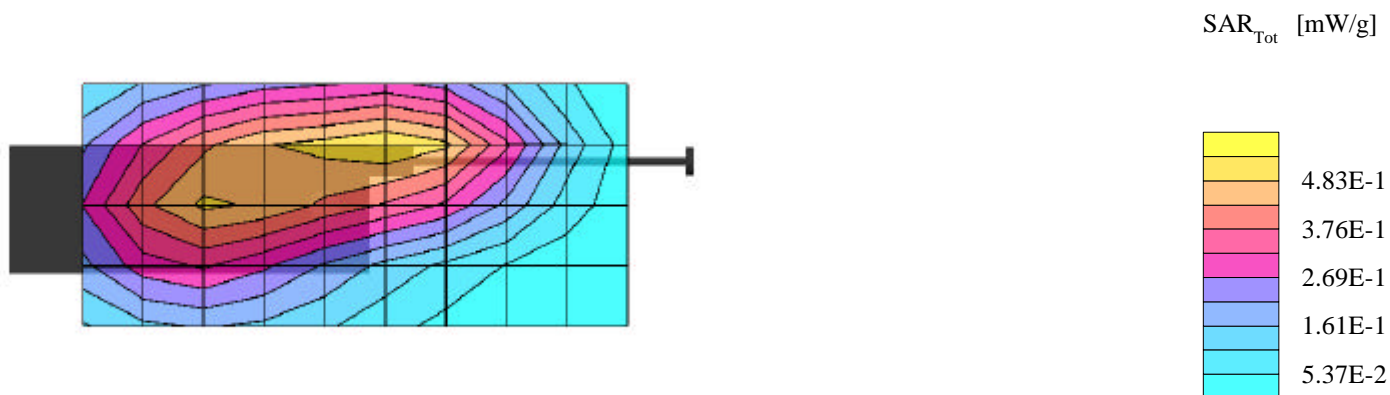
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch991, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.11 dB



# K1 P4A #1617, FM ch991, muscle without beltclip, conducted power=26.39dBm

SAR (1g): 0.509 [mW/g]  $\pm$  0.04 dB, SAR (10g): 0.375 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

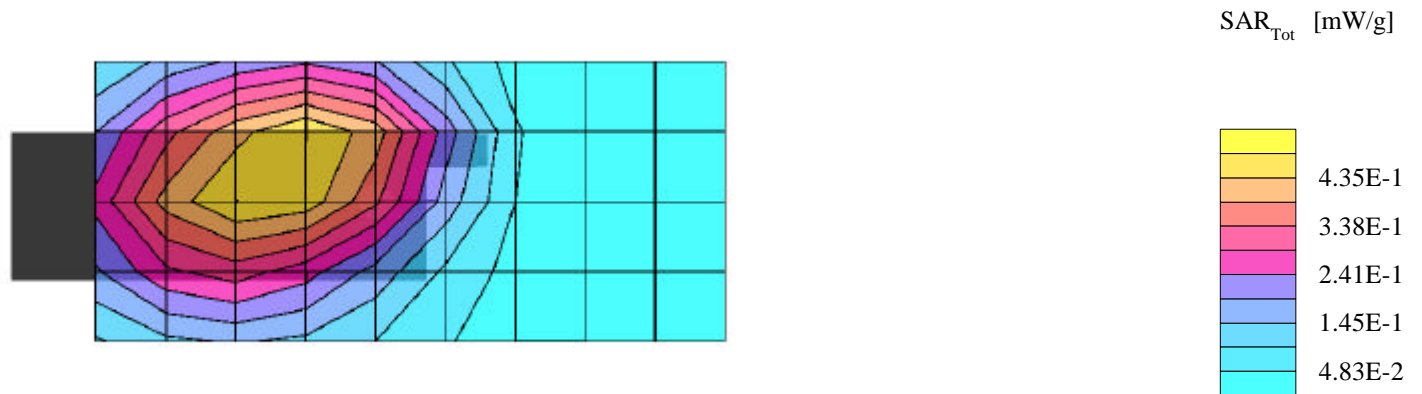
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch991, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.16 dB



# K1 P4A #1617, FM ch383, muscle without beltclip, conducted power=26.35dBm

SAR (1g): 0.552 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.409 [mW/g]  $\pm$  0.01 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

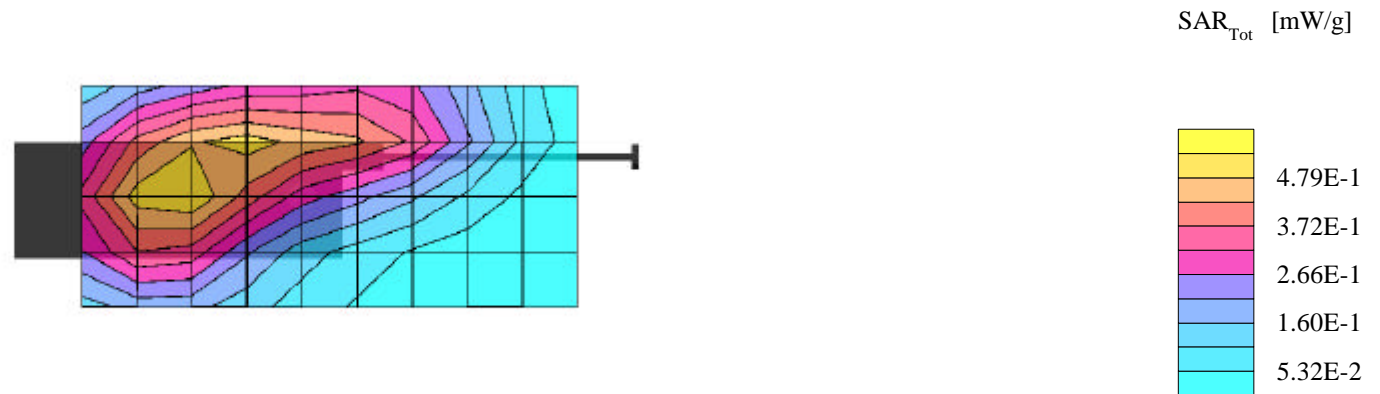
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch383, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.08 dB



# K1 P4A #1617, FM ch383, muscle without beltclip, conducted power=26.35dBm

SAR (1g): 0.486 [mW/g]  $\pm$  0.05 dB, SAR (10g): 0.356 [mW/g]  $\pm$  0.03 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

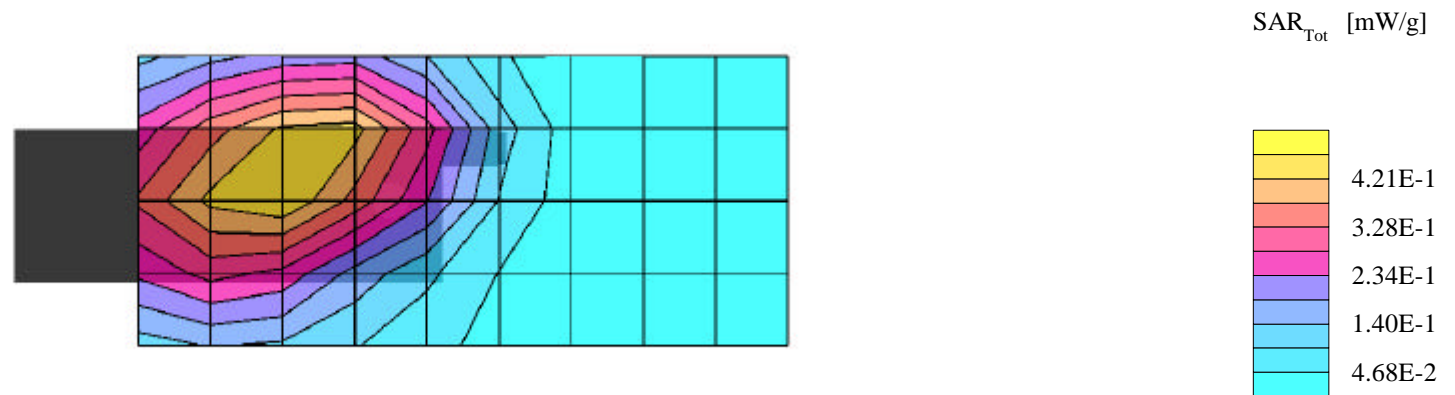
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch383, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.19 dB



# K1 P4A #1617, FM ch799, muscle without beltclip, conducted power=26.35dBm

SAR (1g): 0.512 [mW/g]  $\pm$  0.06 dB, SAR (10g): 0.363 [mW/g]  $\pm$  0.07 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

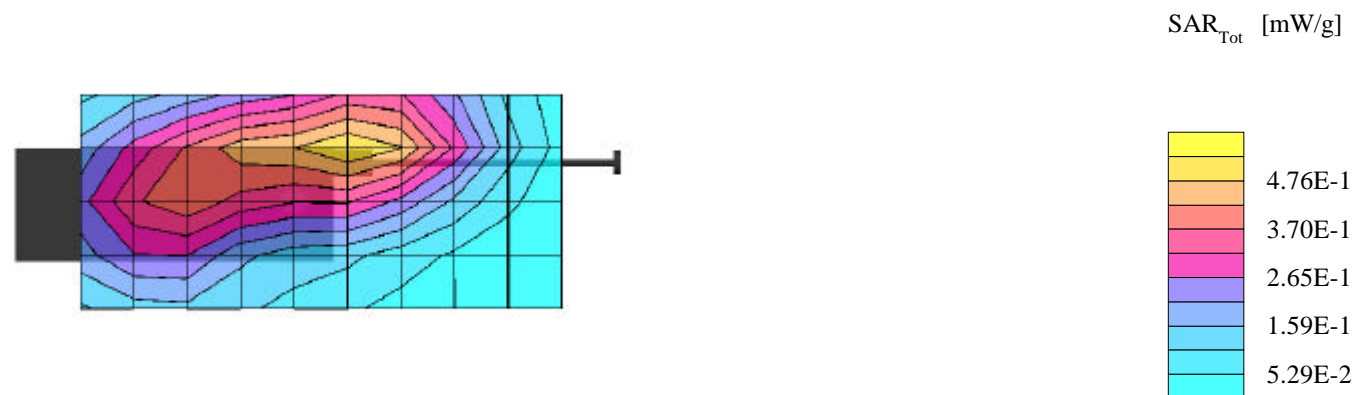
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch799, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.19 dB



# K1 P4A #1617, FM ch799, muscle without beltclip, conducted power=26.35dBm

SAR (1g): 0.424 [mW/g]  $\pm$  0.11 dB, SAR (10g): 0.304 [mW/g]  $\pm$  0.10 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

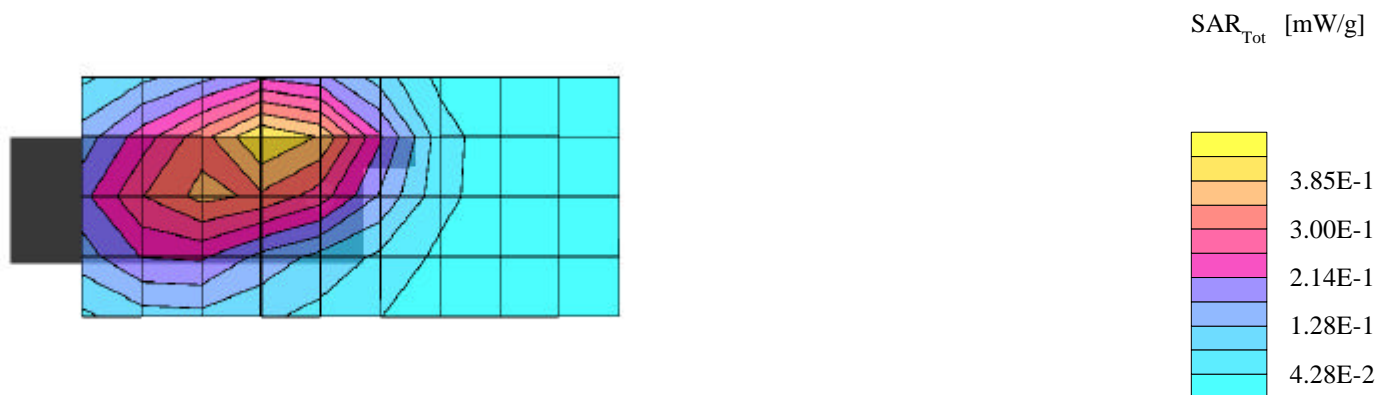
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, FM ch799, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.01 dB





# K1 P4A #1617, CDMA ch383, muscle without beltclip, conducted power=24.91dBm

SAR (1g): 0.356 [mW/g]  $\pm$  0.09 dB, SAR (10g): 0.251 [mW/g]  $\pm$  0.09 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

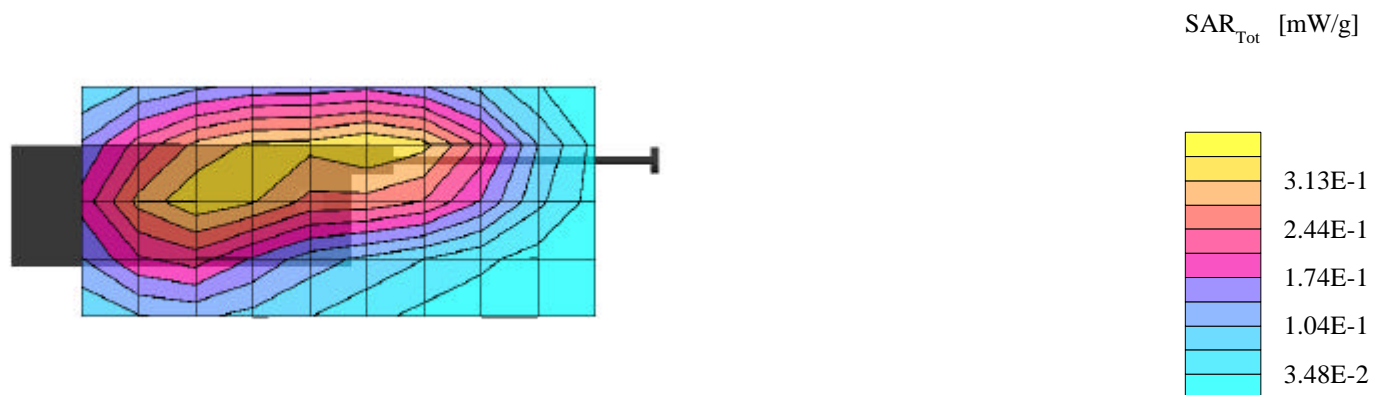
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, CDMA ch383, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.34 dB



# K1 P4A #1617, CDMA ch383, muscle without beltclip, conducted power=24.91dBm

SAR (1g): 0.394 [mW/g]  $\pm$  0.10 dB, SAR (10g): 0.288 [mW/g]  $\pm$  0.05 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

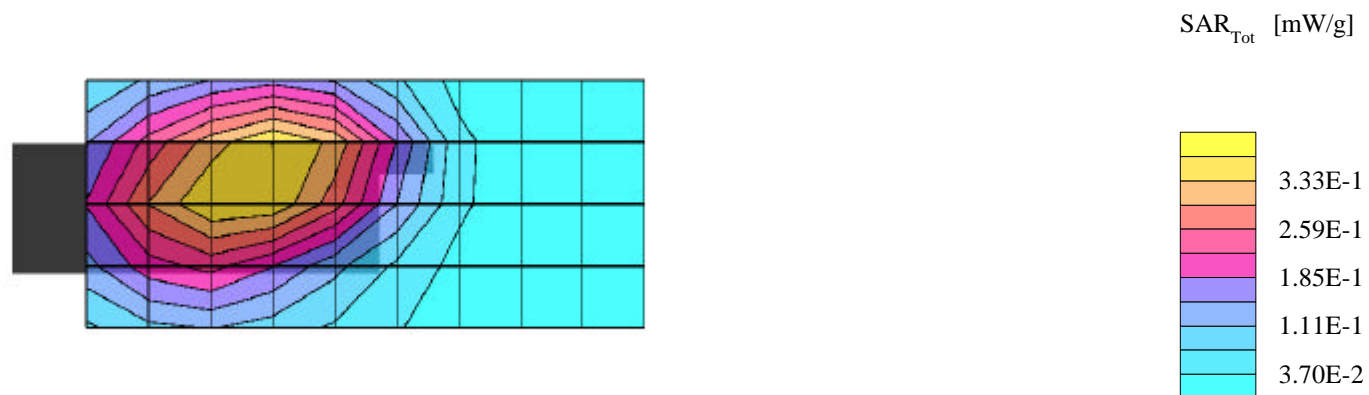
Probe: ET3DV5 - SN1353; ConvF(5.36,5.36,5.36)

Muscle 835 MHz:  $\sigma = 0.93$  [mho/m]  $\epsilon_r = 56.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, CDMA ch383, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.02 dB



# K1 P4A #1617, PCS ch25, muscle without beltclip, conducted power=23.16dBm

SAR (1g): 0.273 [mW/g]  $\pm$  0.02 dB, SAR (10g): 0.167 [mW/g]  $\pm$  0.03 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

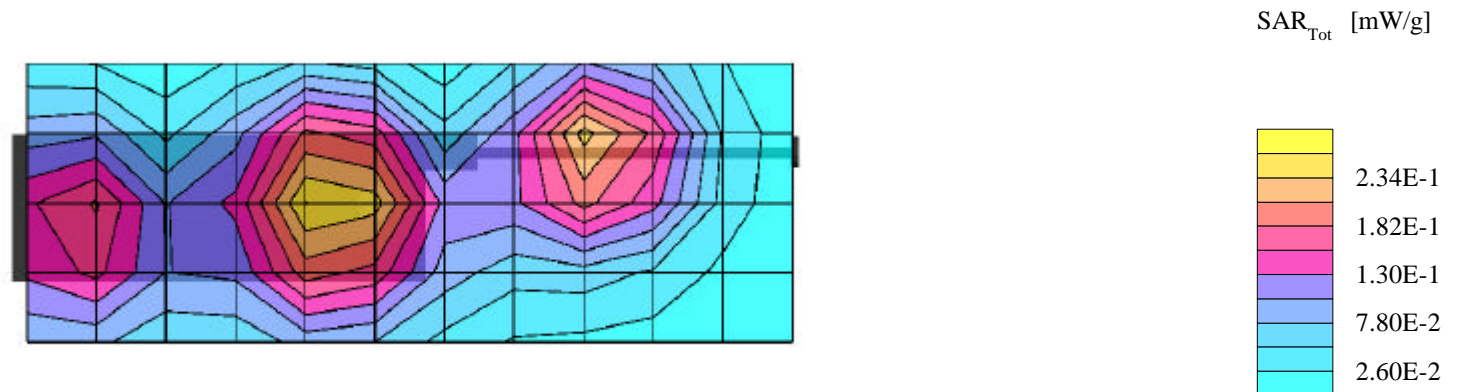
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch25, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: -0.06 dB



# K1 P4A #1617, PCS ch25, muscle without beltclip, conducted power=23.16dBm

SAR (1g): 0.296 [mW/g]  $\pm$  0.05 dB, SAR (10g): 0.182 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

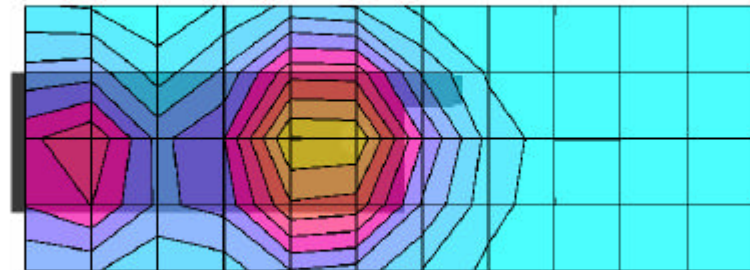
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

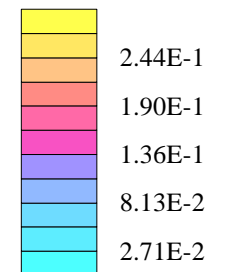
File Name: K1 P4A #1617, FCC Test, PCS ch25, muscle no beltclip, 09-10-01.DA3

Operator: DWS

Powerdrift: 0.09 dB



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



# K1 P4A #1617, PCS ch600, muscle without beltclip, conducted power=23.19dBm

SAR (1g): 0.243 [mW/g]  $\pm$  0.07 dB, SAR (10g): 0.148 [mW/g]  $\pm$  0.07 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

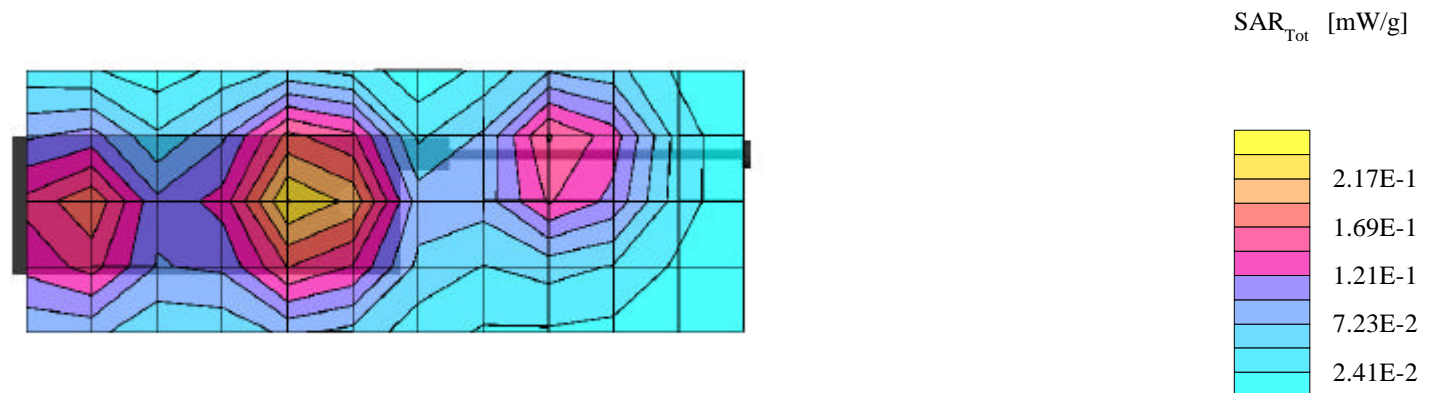
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch600, muscle no beltclip, 09-11-01.DA3

Operator: DWS

Powerdrift: -0.06 dB



# K1 P4A #1617, PCS ch600, muscle without beltclip, conducted power=23.19dBm

SAR (1g): 0.248 [mW/g]  $\pm$  0.07 dB, SAR (10g): 0.151 [mW/g]  $\pm$  0.08 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

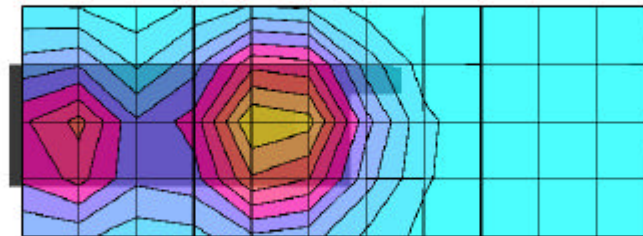
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

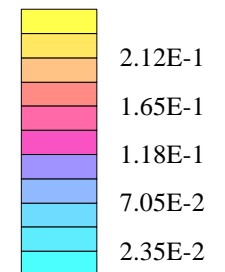
File Name: K1 P4A #1617, FCC Test, PCS ch600, muscle no beltclip, 09-11-01.DA3

Operator: DWS

Powerdrift: 0.21 dB



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



# K1 P4A #1617, PCS ch1175, muscle without beltclip, conducted power=23.17dBm

SAR (1g): 0.205 [mW/g]  $\pm$  0.08 dB, SAR (10g): 0.125 [mW/g]  $\pm$  0.07 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

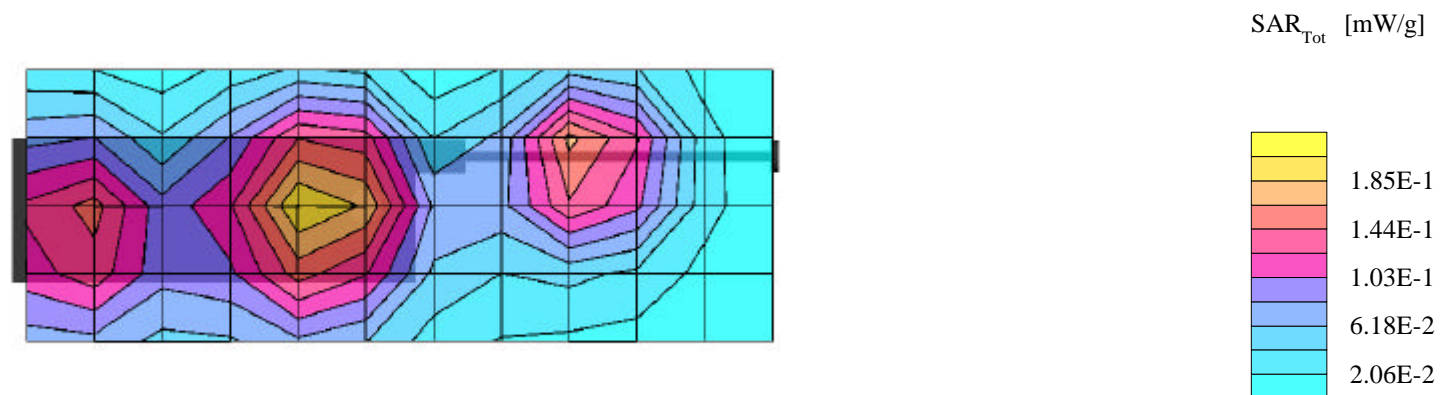
Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch1175, muscle no beltclip, 09-11-01.DA3

Operator: DWS

Powerdrift: -0.16 dB



# K1 P4A #1617, PCS ch1175, muscle without beltclip, conducted power=23.17dBm

SAR (1g): 0.214 [mW/g]  $\pm$  0.03 dB, SAR (10g): 0.130 [mW/g]  $\pm$  0.04 dB

Cubes (2) (Worst-case extrapolation)

Generic Twin Phantom; Flat Section

Probe: ET3DV5 - SN1353; ConvF(4.50,4.50,4.50)

Muscle 1800MHz:  $\sigma = 1.54$  [mho/m]  $\epsilon_r = 54.7$   $\rho = 1.00$  [g/cm<sup>3</sup>]

File Name: K1 P4A #1617, FCC Test, PCS ch1175, muscle no beltclip, 09-11-01.DA3

Operator: DWS

Powerdrift: 0.05 dB

