APPENDIX B-1:

SAR Distribution Plots

For

Model KE434

SAR Distribution plots for Head Adjacent Use Configuration

06/23/03

KE4X4
AMPS ch383 Left Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.8 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.35 mW/g, SAR (10g): 0.888 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.04 dB

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06/23/03

KE4X4
AMPS ch383 Left Cheek with Backpack Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 1.37 mW/g, SAR (10g): 0.904 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.05 dB

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06/23/03

KE4X4
AMPS ch383 Left Cheek with Backpack Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Section; Position: ; Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm^3
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Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

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06/23/03

KE4X4
AMPS ch383 Left Tilt
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (79°,60°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 1.19 mW/g, SAR (10g): 0.784 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.02 dB

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KE4X4

AMPS ch383 Right Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.8 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.827 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.01 dB

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06/23/03

KE4X4
AMPS ch383 Right Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.8 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.02 mW/g, SAR (10g): 0.679 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.01 dB

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KE4X4
CDMA-800 ch383 Left Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 1.30 mW/g, SAR (10g): 0.863 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.12 dB

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KE4X4

CDMA-800 ch383 Left Cheek

Liquid Temp = 22C+\- 1deg.C

SAM Phantom; Section; Position: ; Frequency: 835 MHz

Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm^3

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Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0

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06/23/03

KE433

CDMA-800 ch383 Left Cheek with Backpack Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm^3
Cube 7x7x7: SAR (1g): 1.30 mW/g, SAR (10g): 0.856 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.09 dB

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06/23/03

KE4X4
CDMA-800 ch383 Left Tilt
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.8 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.12 mW/g, SAR (10g): 0.743 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.06 dB

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06/23/03

KE4X4
CDMA-800 ch383 Right Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: σ = 0.89 mho/m ε_r = 41.8 ρ = 1.00 g/cm³
Cube 7x7x7: SAR (1g): 1.17 mW/g, SAR (10g): 0.795 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: 0.04 dB

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06/23/03

KE4X4
CDMA-800 ch383 Right Tilt
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 835 MHz
Probe: ET3DV6 - SN1712; ConvF(6.50,6.50,6.50); Crest factor: 1.0; 835 MHz Brain: $\sigma = 0.89$ mho/m $\varepsilon_r = 41.8$ $\rho = 1.00$ g/cm³
Cube 7x7x7: SAR (1g): 0.994 mW/g, SAR (10g): 0.665 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.02 dB

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KE4X4
CDMA-1900 ch1175 Left Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (90°,59°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.46 mho/m ε_r = 39.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.25 mW/g, SAR (10g): 0.697 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.15 dB

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06/24/03

KE4X4
CDMA-1900 ch25 Left Tilt
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (79°,60°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.46 mho/m ε_r = 39.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.23 mW/g, SAR (10g): 0.693 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.05 dB

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06/24/03

KE4X4
CDMA-1900 ch25 Left Tilt with Backpack Clip
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Left Hand Section; Position: (79°,60°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.46 mho/m ε_r = 39.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.27 mW/g, SAR (10g): 0.710 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.16 dB

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06/24/03

KE4X4

CDMA-1900 ch25 Left Tilt with Backpack Clip

Liquid Temp = 22C+\- 1deg.C

SAM Phantom; Section; Position: ; Frequency: 1900 MHz

Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.46 mho/m ε_r = 39.6 ρ = 1.00 g/cm^3

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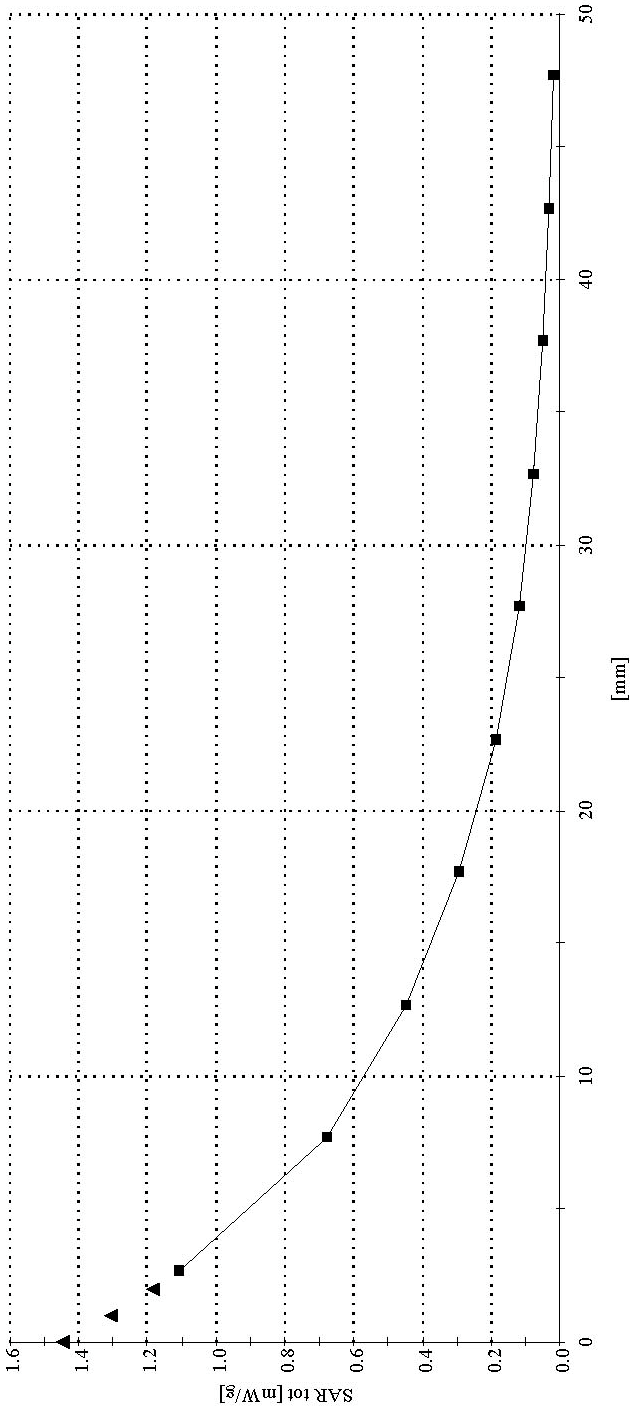
Z-Axis: Dx = 0.0, Dy = 0.0, Dz = 5.0



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06/24/03

KE4X4
CDMA-1900 ch1175 Right Cheek
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Right Hand Section; Position: (90°,300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.46 mho/m ε_r = 39.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.22 mW/g, SAR (10g): 0.692 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.13 dB

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06/24/03

KE4X4
CDMA-1900 ch25 Right Tilt
Liquid Temp = 22C+\- 1deg.C
SAM Phantom; Right Hand Section; Position: (79°,300°); Frequency: 1900 MHz
Probe: ET3DV6 - SN1712; ConvF(5.40,5.40,5.40); Crest factor: 1.0; 1900 MHz Brain: σ = 1.46 mho/m ε_r = 39.6 ρ = 1.00 g/cm^3
Cube 7x7x7: SAR (1g): 1.16 mW/g, SAR (10g): 0.659 mW/g, (Worst-case extrapolation)
Coarse: Dx = 15.0, Dy = 15.0, Dz = 10.0
Powerdrift: -0.16 dB

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