

6 APPENDIX A - SAR EVALUATION DATA

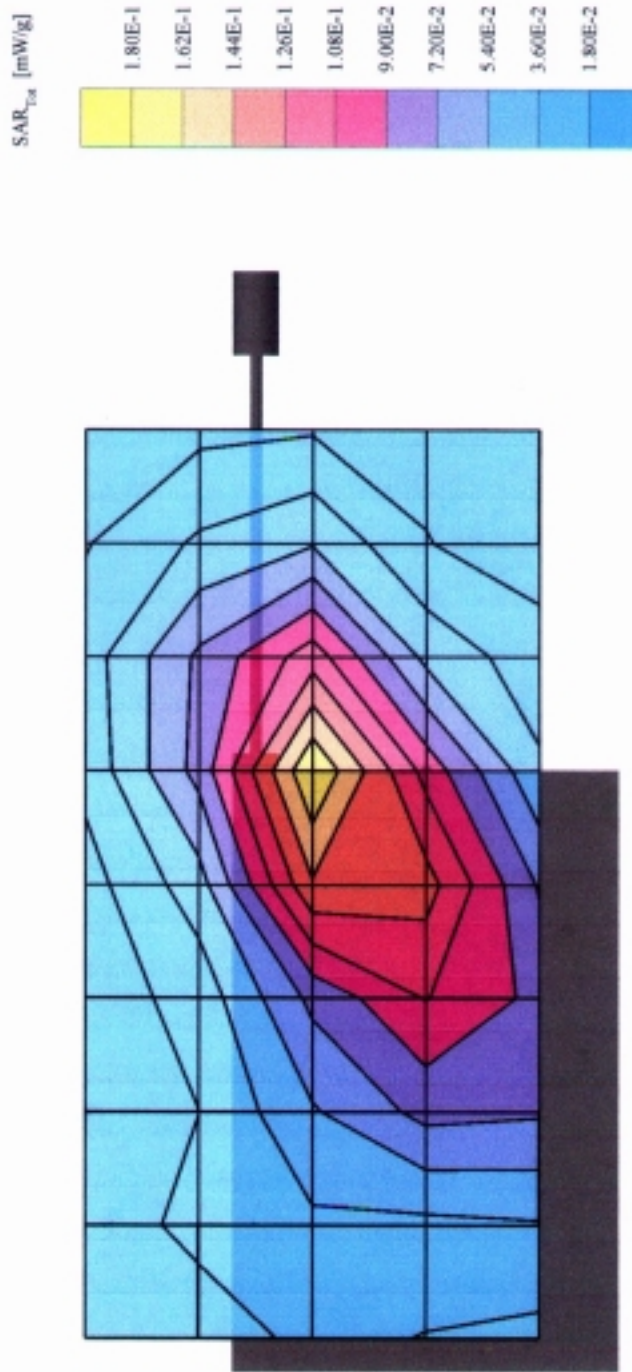
Please note that the graphical visualization of the phone position onto the SAR distribution gives only limited information on the current distribution of the device, since the curvature of the head results in graphical distortion. Full information can only be obtained either by H-field scans in free space or SAR evaluation with a flat phantom.

Powerdrift is the measurement of power drift of the device over one complete SAR scan.

05/09/00

CNI N79CNI-930M *Plot 1*

Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 896 MHz
 Probe: ET3DV5 - SN1333; ConvF(5.70, 5.70, 5.70); Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
 Cube 5x5x7: SAR (1g): 0.308 mW/g * , SAR (10g): 0.139 mW/g * Max outside, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: 0.02 dB

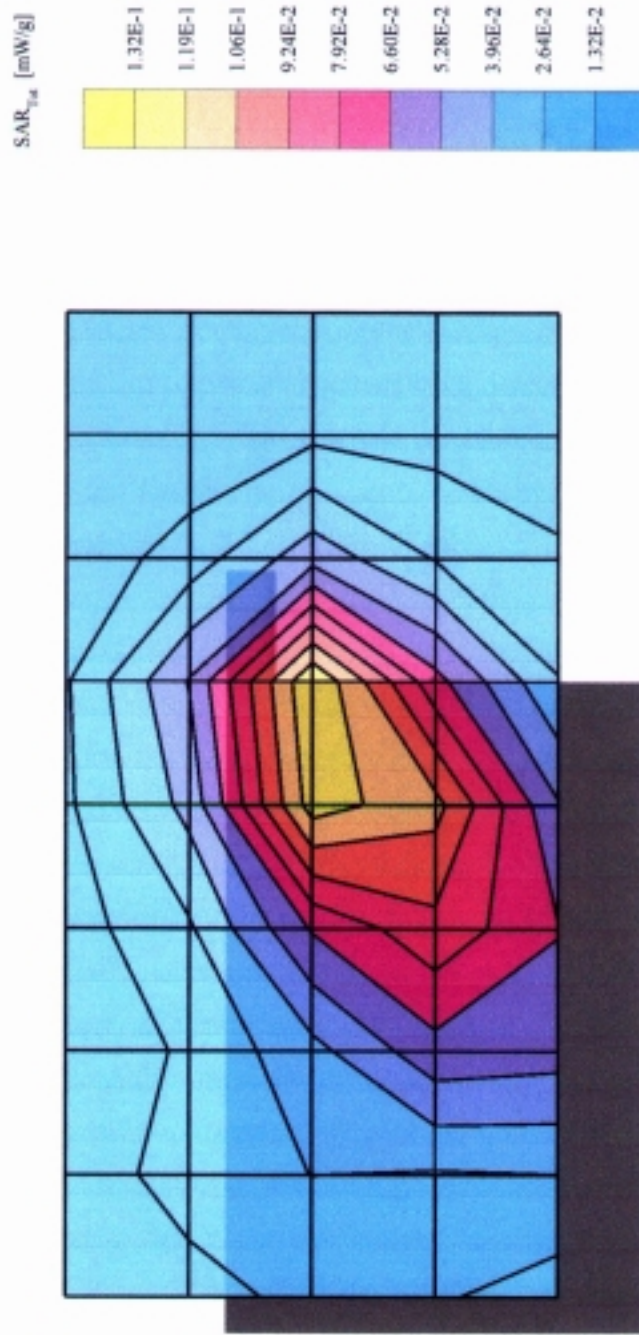


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CNI N79CNI-930M *Plot 2*

Generic Twin Phantom, Flat Section, Position: (90°, 90°), Frequency: 896 MHz
 Probe: ET3DV5 - SN1333; ConvF(5.70, 5.70); Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99 \text{ mho/m}$, $\rho = 55.7 \text{ g/cm}^3$
 Cubes (2): SAR (1g): $0.194 \text{ mW/g} \pm 1.24 \text{ dB}$, SAR (10g): $0.0964 \text{ mW/g} \pm 0.43 \text{ dB}$, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.03 dB
 Face up

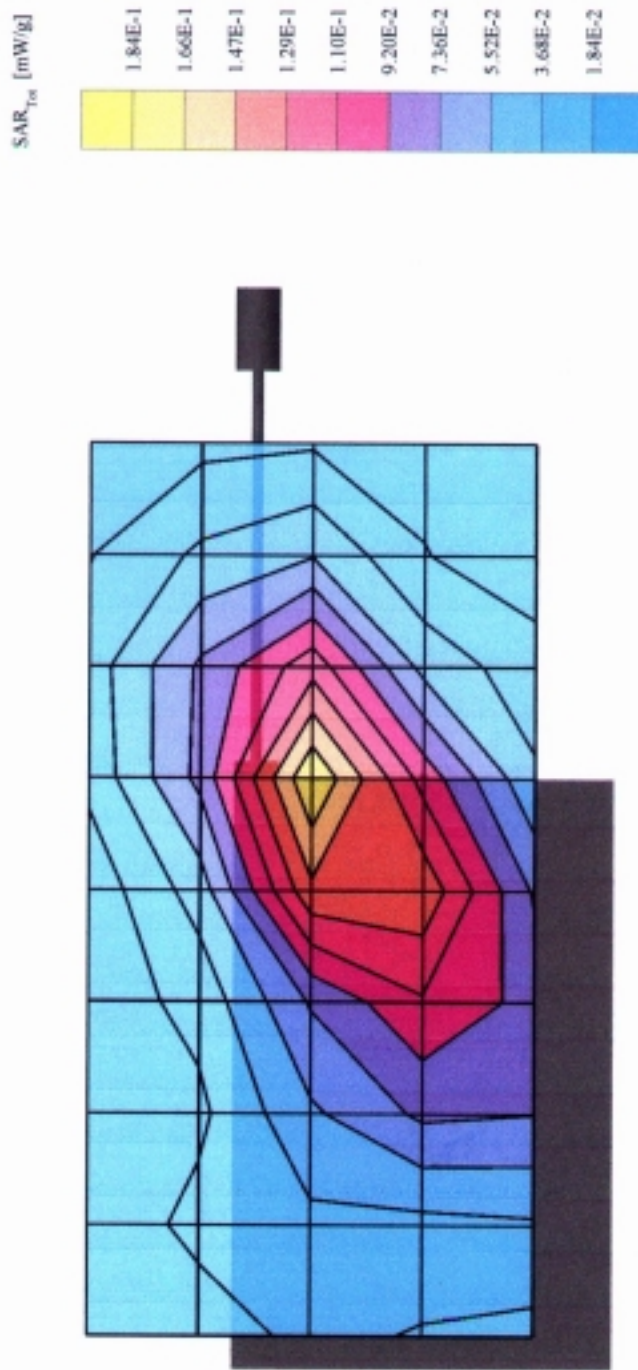


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CNI N79CNI-930M Plot 3

Generic Twin Phantom, Flat Section, Position: (90°, 90°), Frequency: 901 MHz
 Probe: ET3DV5 - SN1333, Const(S: 70, 5: 70), Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
 Cube 5x5x7: SAR (1g): 0.360 mW/g, SAR (10g): 0.148 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.00 dB
 Fact up

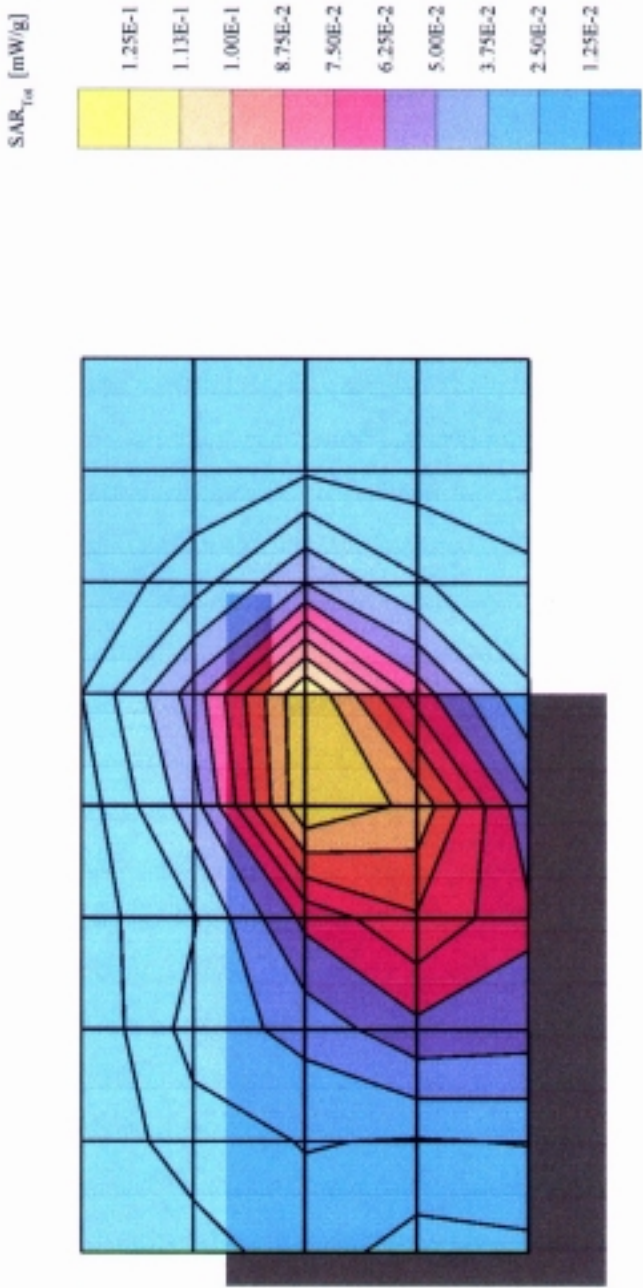


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CNI N79CNI-930M *Plot 4*

Generic: Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 901 MHz
Probe: ET3DV5 - SNI333; ConvF(5.70, 5.70); Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
Cube 5x5x7: SAR (1g): 0.190 mW/g; SAR (10g): 0.0682 mW/g. (Worst-case extrapolation)
Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
Powerdrift: 0.00 dB
Face up



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CNI N79CNI-930M *Plot 5*

Generic Twin Phantom, Flat Section, Position: (90°, 90°), Frequency: 896 MHz
 Probe: ET3DV5 - SN1333, ConvF(5.70, 5.70, 5.70), Crest factor: 12.0, Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
 Cube 5x5x7: SAR (1g): 0.472 mW/g, SAR (10g): 0.288 mW/g, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: 0.04 dB

Down

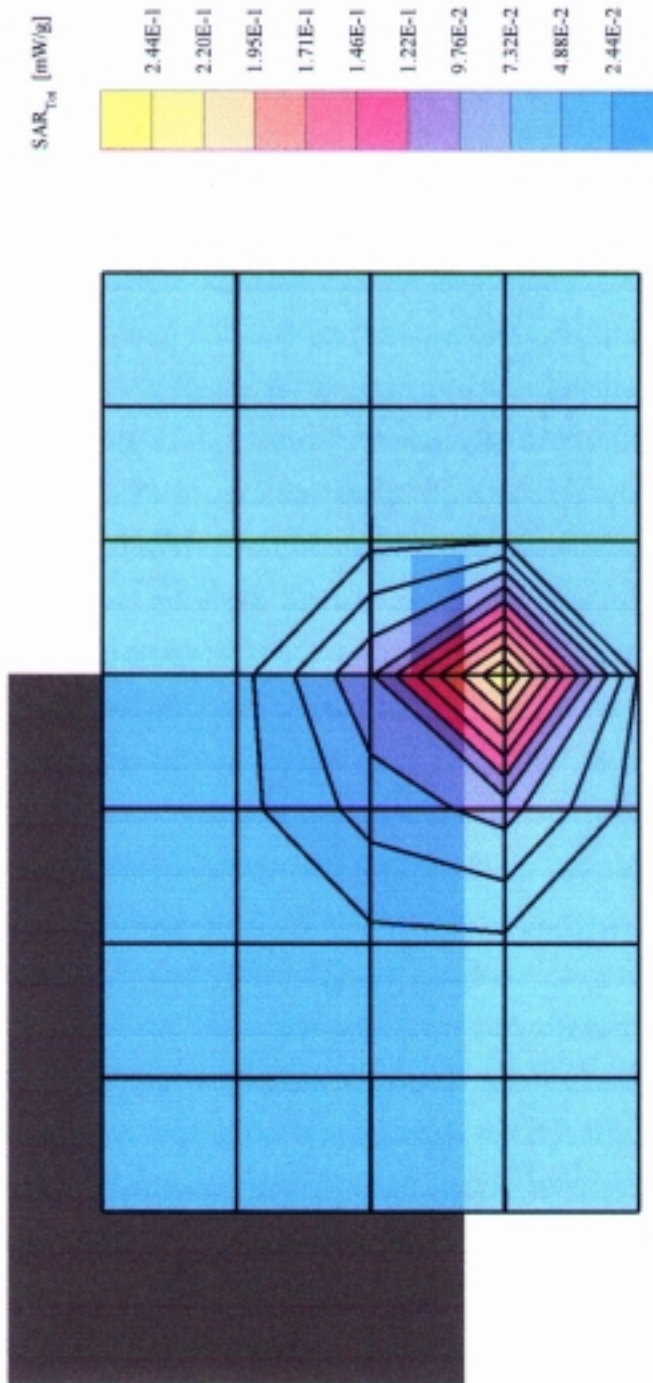


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CNI N79CNI-930M Plot 6

Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 896 MHz
 Probe: ET3DV5 - SN1333; ConvF(5.70, 5.70); Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
 Cubes (2): SAR (1g): 0.353 mW/g ± 0.28 dB, SAR (10g): 0.137 mW/g ± 0.13 dB, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.19 dB
 Face down

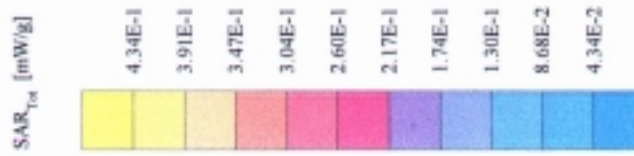


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CNI N79CNI-930M *Plot 7*

Generic Twin Phantom; Flat Section; Position: (90°, 90°); Frequency: 901 MHz
 Probe: ET3DV5 - SN1333; ConvF(5.70, 5.70); Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
 Cube 5x5x7: SAR (1g): 0.451 mW/g, SAR (10g): 0.275 mW/g, (Worst-case extrapolation)
 Course: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: -0.18 dB
 Face down



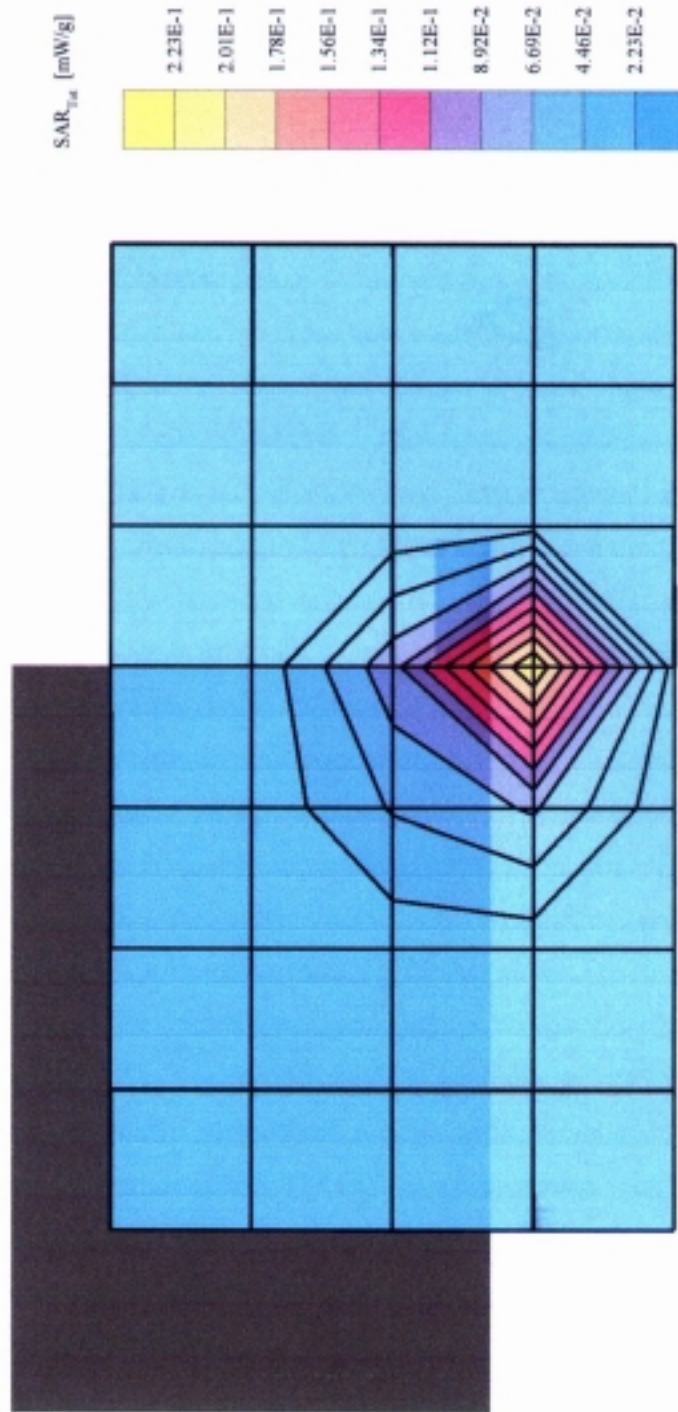
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CNI N79CNI-930M *Plot 8*

Generic Twin Phantom, Flat Section, Position: (90°, 90°); Frequency: 901 MHz
 Probe: ET3DV5 - SN1333, ConvF(5, 70, 5, 70), Crest factor: 12.0; Muscle 900 MHz: $\sigma = 0.99$ mho/m $\epsilon_r = 55.7$ $\rho = 1.00$ g/cm³
 Cubes (3): SAR (1g): 0.326 mW/g ± 0.26 dB, SAR (10g): 0.119 mW/g ± 0.15 dB, (Worst-case extrapolation)
 Coarse: Dx = 20.0, Dy = 20.0, Dz = 10.0
 Powerdrift: 0.20 dB

Deriv.



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