

APPENDIX A: SAR TEST DATA

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: VX8300; Type: CDMA Dual Band+BT+EVDO; SN: SAR #2

Communication System: Cellular CDMA; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 55.24$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5cm from DUT to Flat Phantom

Test Date: 04-12-2006; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3550; ConvF(7.56, 7.56, 7.56); Calibrated: 1/18/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 8/8/2005

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, No Beltclip, EVDO Mode, Mid.ch, 153.6kbps

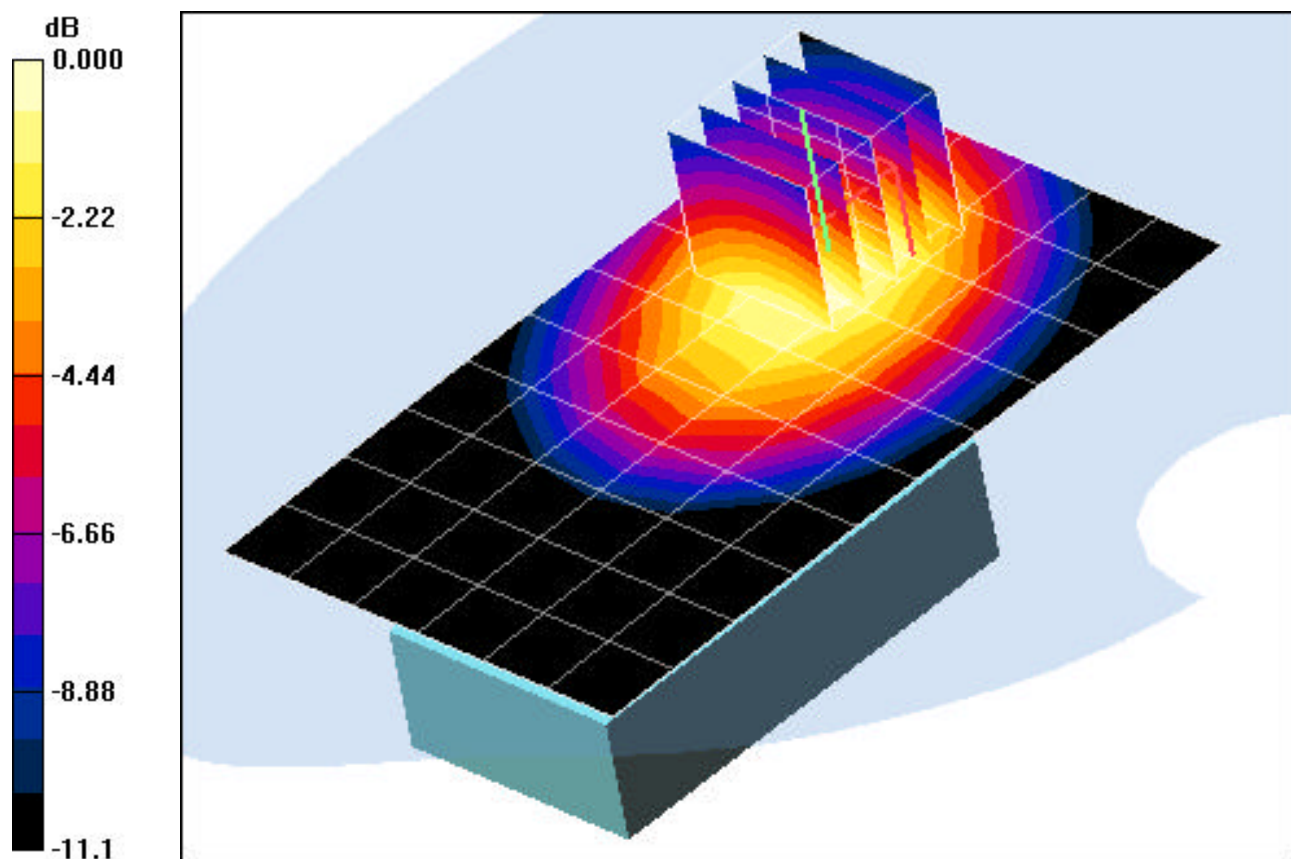
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.5 V/m

Peak SAR (extrapolated) = 1.15 W/kg

SAR(1 g) = 0.790 mW/g; SAR(10 g) = 0.529 mW/g



0 dB = 0.912mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: LGE Model: VX8300; Type: CDMA Dual Band+BT+EVDO; SN: SAR #2

Communication System: PCS CDMA; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 52.53$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5cm from DUT to Flat Phantom

Test Date: 04-12-2006; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3550; ConvF(6.3, 6.3, 6.3); Calibrated: 1/18/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 8/8/2005

Phantom: SAM with CRP; Type: SAM; Serial: TP1375

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

Body, No Beltclip, EVDO Mode, Mid ch, 153.6kbps

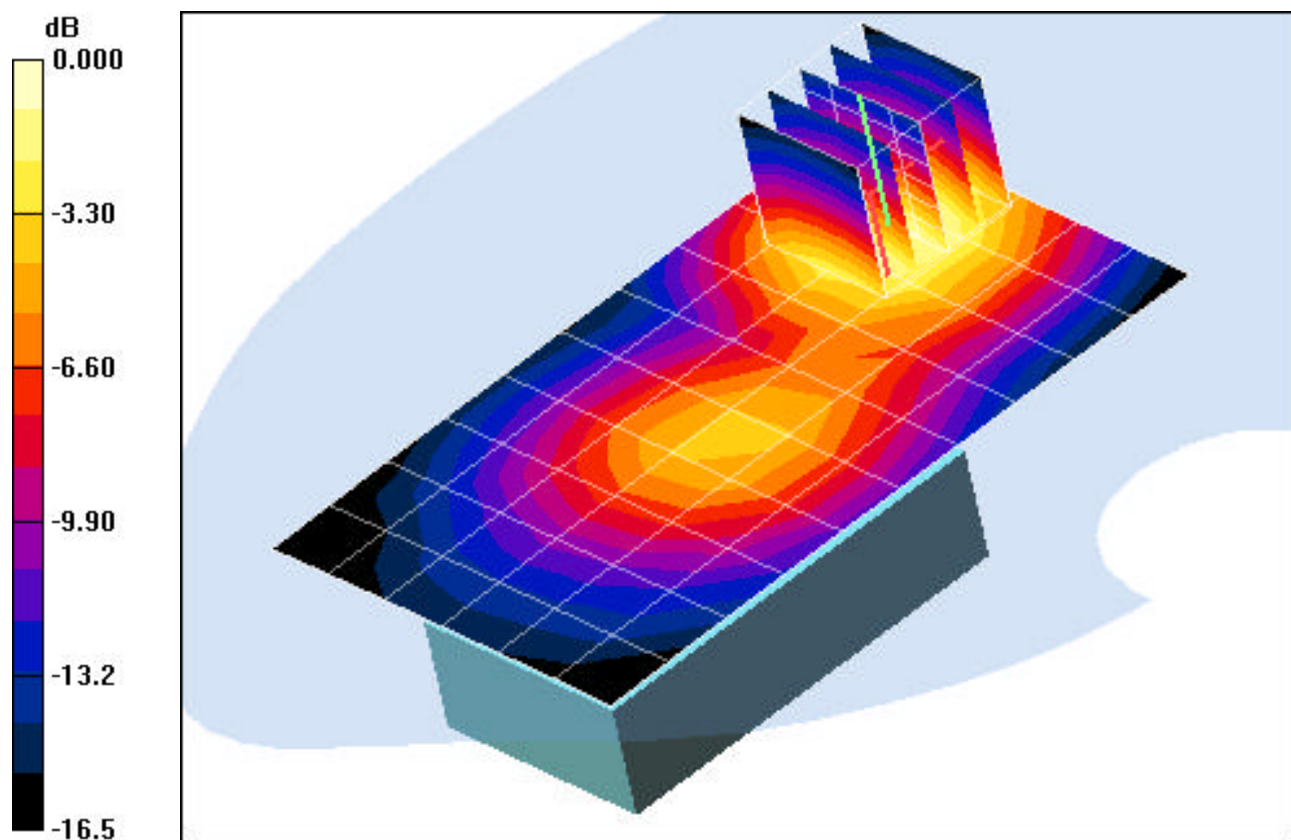
Area Scan (7x11x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.1 V/m

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.421 mW/g



0 dB = 0.950mW/g

APPENDIX B: DIPOLE VALIDATION

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 835 MHz; Type: D835V2; Serial: 4d026

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 41.98$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 04-12-2006; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3550; ConvF(7.71, 7.71, 7.71); Calibrated: 1/18/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 8/8/2005

Phantom: SAM with CRP; Type: SAM; Serial: TP:1375

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

835MHz Dipole Validation

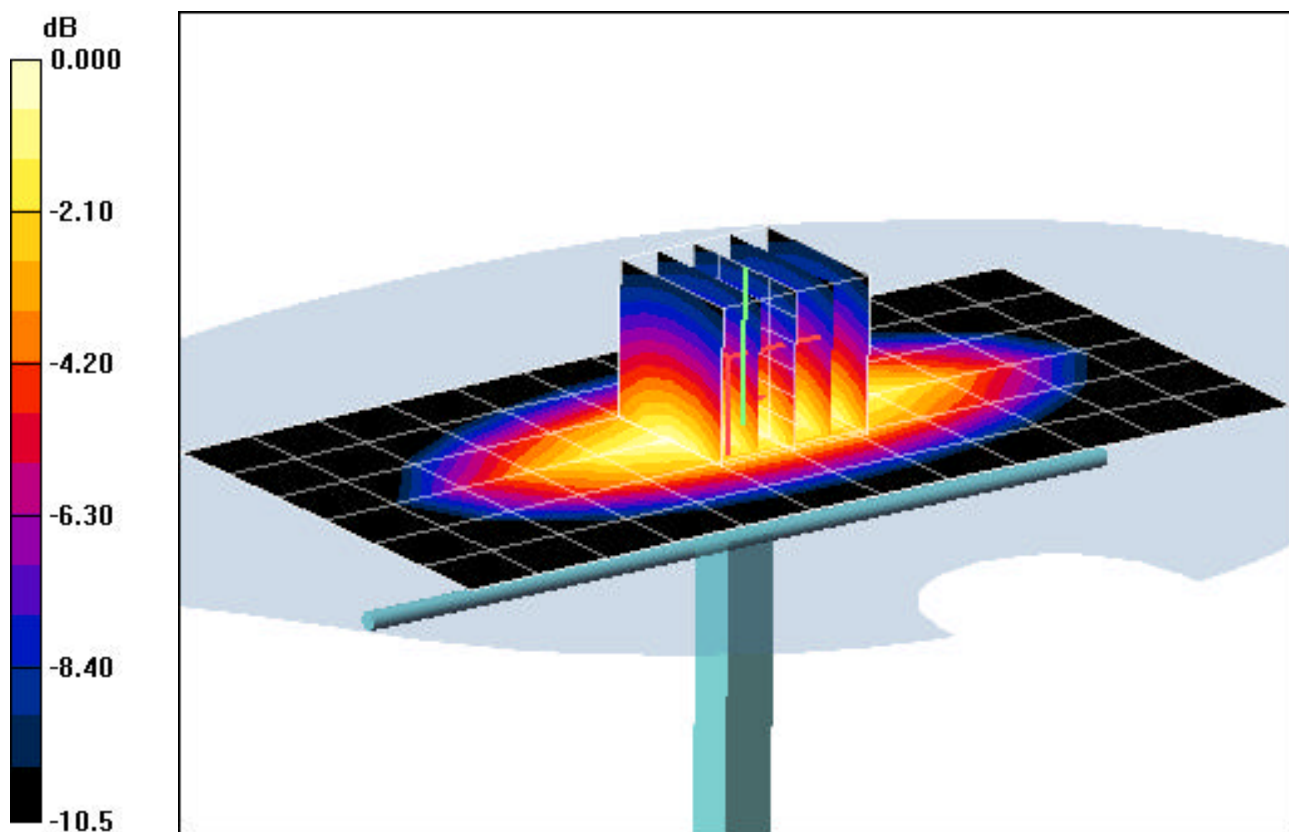
Area Scan (7x13x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Input Power = 24.0 dBm (250 mW)

SAR(1 g) = 2.46 mW/g; SAR(10 g) = 1.59 mW/g

Target SAR(1g) = 2.375 mW/g; Deviation = +3.57 %



0 dB = 2.88mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: 502

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.38$ mho/m, $\epsilon_r = 40.45$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section

Test Date: 04-12-2006; Ambient Temp: 23.5°C; Tissue Temp: 21.7°C

Probe: EX3DV4 - SN3550; ConvF(6.65, 6.65, 6.65); Calibrated: 1/18/2006

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 8/8/2005

Phantom: SAM with CRP; Type: SAM; Serial: TP:1375

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 160

1900MHz Dipole Validation

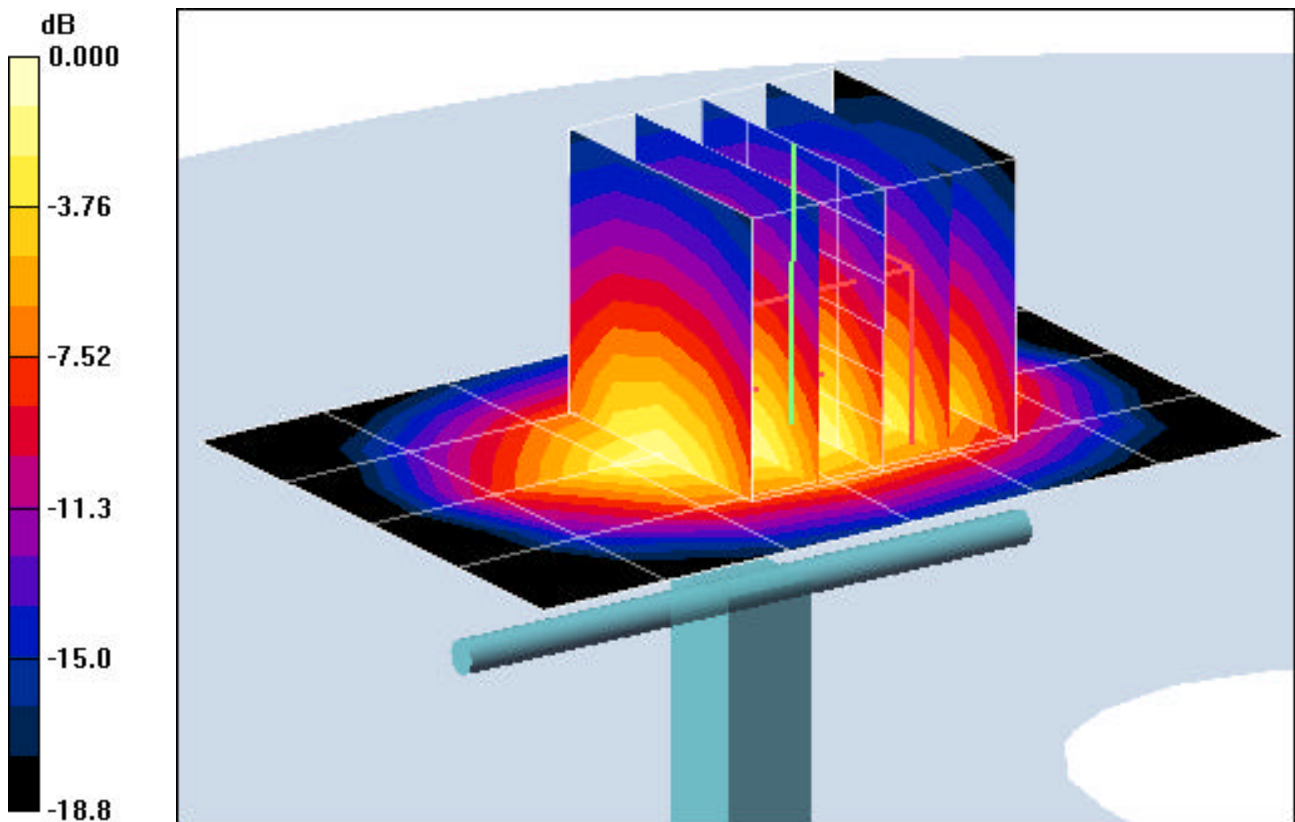
Area Scan (5x7x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Input Power = 20.0 dBm (100 mW)

SAR(1 g) = 4.13 mW/g; SAR(10 g) = 2.26 mW/g

Target SAR(1g) = 3.97 mW/g; Deviation = +4.03 %



0 dB = 5.25mW/g