DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

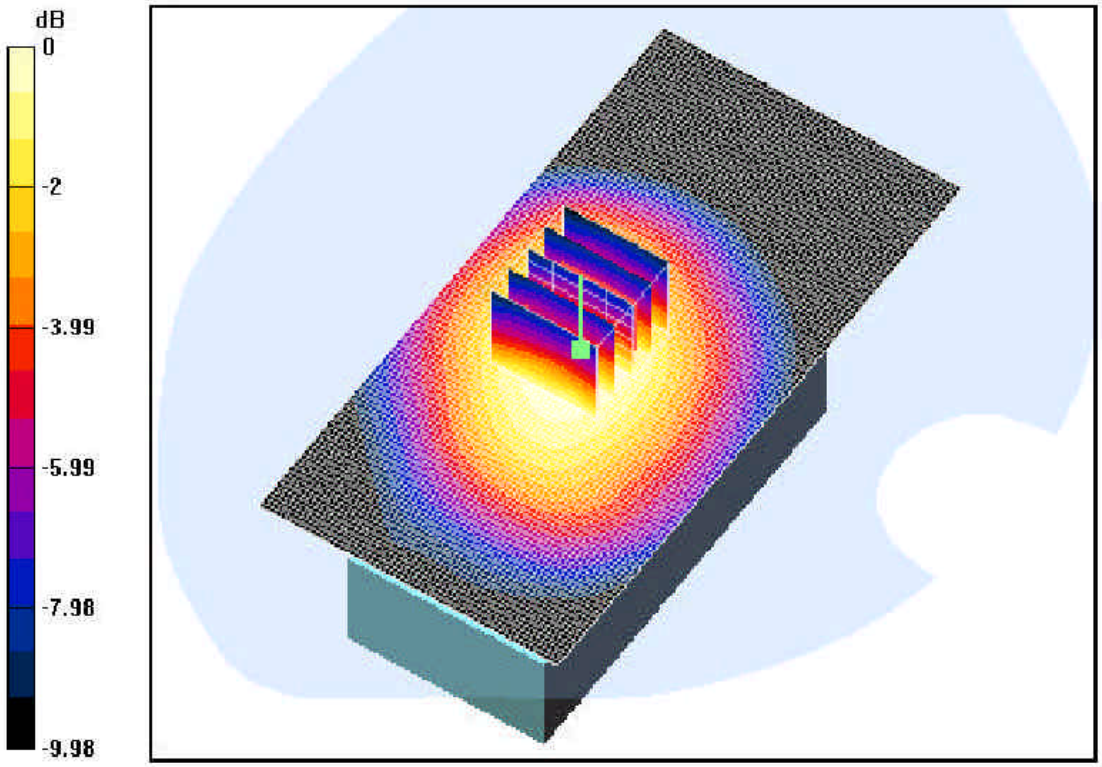
Communication System: iDEN33; Frequency: 813.513 MHz;Duty Cycle: 1:3
Medium: 835 Muscle (σ = 0.99 mho/m, ε_r = 55.48, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-16-2004; Ambient Temp: 22.8°C; Tissue Temp: 20.9°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, 2.5cm.Space, without Beltclip, Mid Ch, Antenna In, Extra Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.695 W/kg
SAR(1 g) = 0.490 mW/g; SAR(10 g) = 0.340 mW/g
Reference Value = 19.8 V/m



0 dB = 0.556mW/g

DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

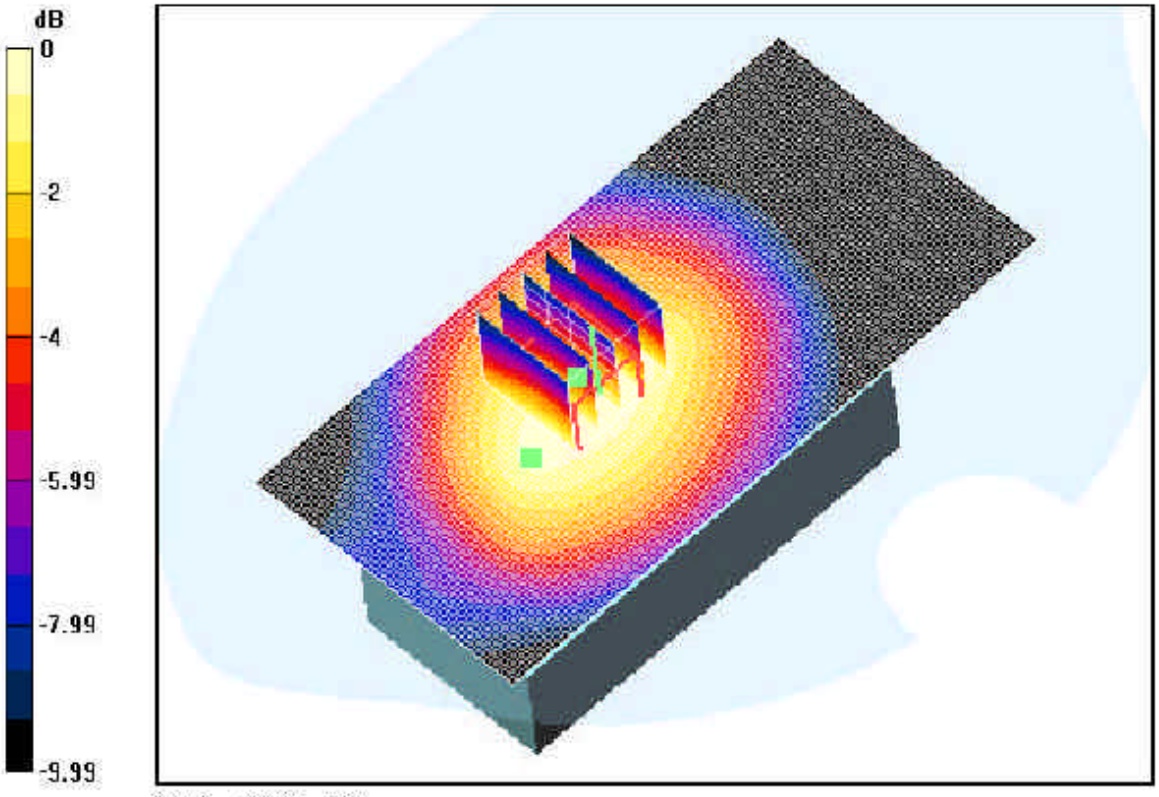
Communication System: iDEN33; Frequency: 813.513 MHz;Duty Cycle: 1:3
Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\varepsilon_r = 55.48$, $\rho = 1000$ kg/m^3)
Phantom section: Flat Section

Test Date: 04-17-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, with Beltclip, Mid Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.606 W/kg
SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.313 mW/g
Reference Value = 17.5 V/m



0 dB = 0.487mW/g

DUT: MOTOROLA i315iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

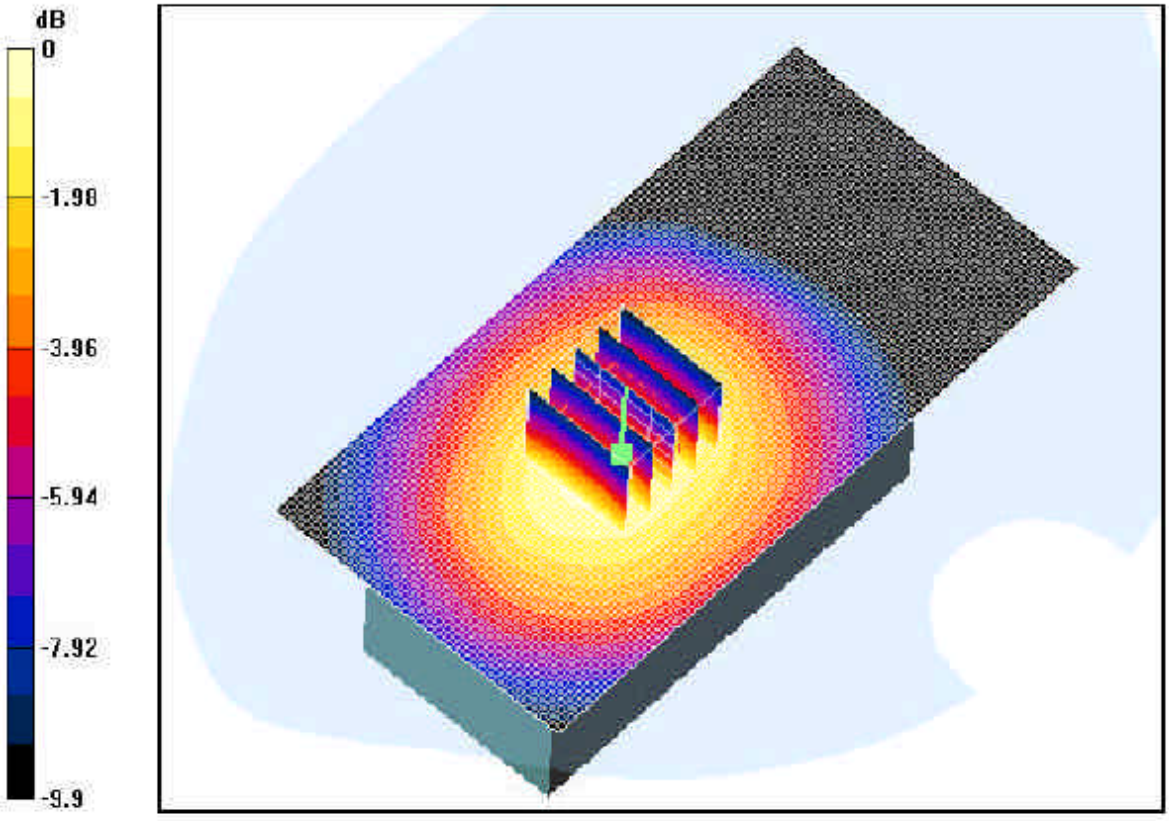
Communication System: iDENII 33; Frequency: 898.494 MHz;Duty Cycle: 1:3
Medium: 900 Muscle ($\sigma = 1.01$ mho/m, $\varepsilon_r = 53.7$, $\rho = 1000$ kg/m^3)
Phantom section: Flat Section

Test Date: 04-17-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, without Beltclip, Mid Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.331 W/kg
SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.168 mW/g
Reference Value = 12.1 V/m



0 dB = 0.274mW/g

DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

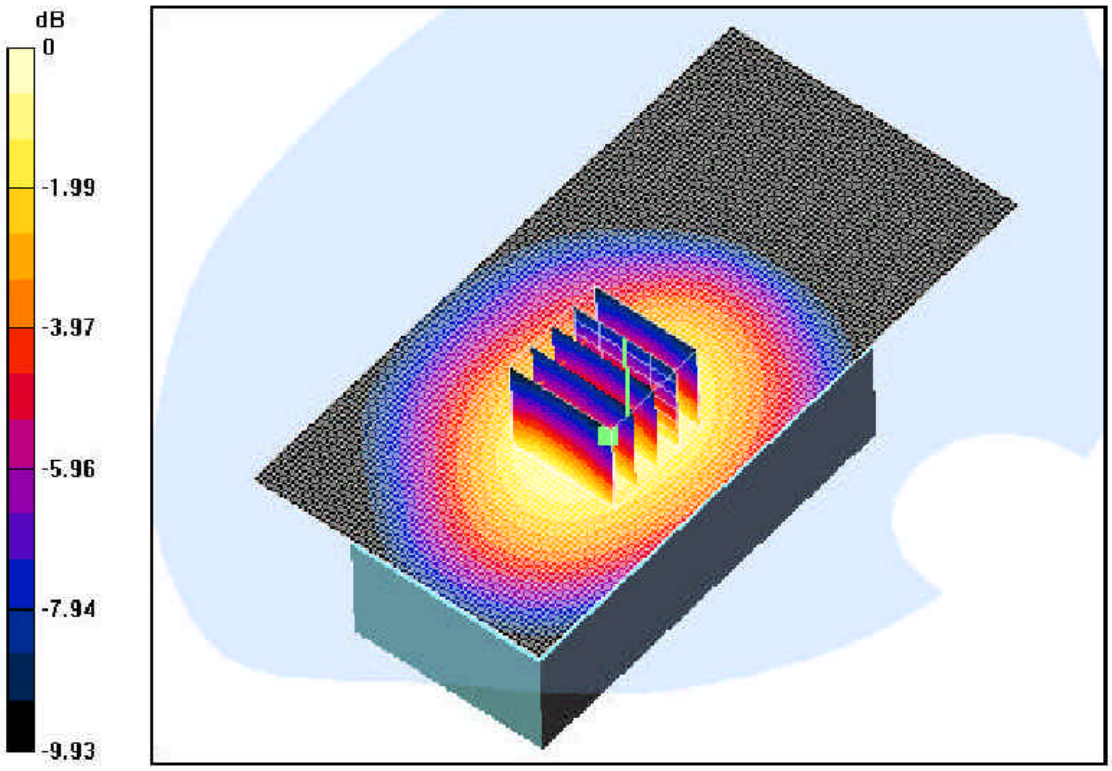
Communication System: iDENII 33; Frequency: 898.494 MHz;Duty Cycle: 1:3
Medium: 900 Muscle (σ = 1.01 mho/m, ε_r = 53.7, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-17-2004; Ambient Temp: 22.6°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, with Beltclip, Mid Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 0.454 W/kg
SAR(1 g) = 0.329 mW/g; SAR(10 g) = 0.232 mW/g
Reference Value = 13 V/m



0 dB = 0.370mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

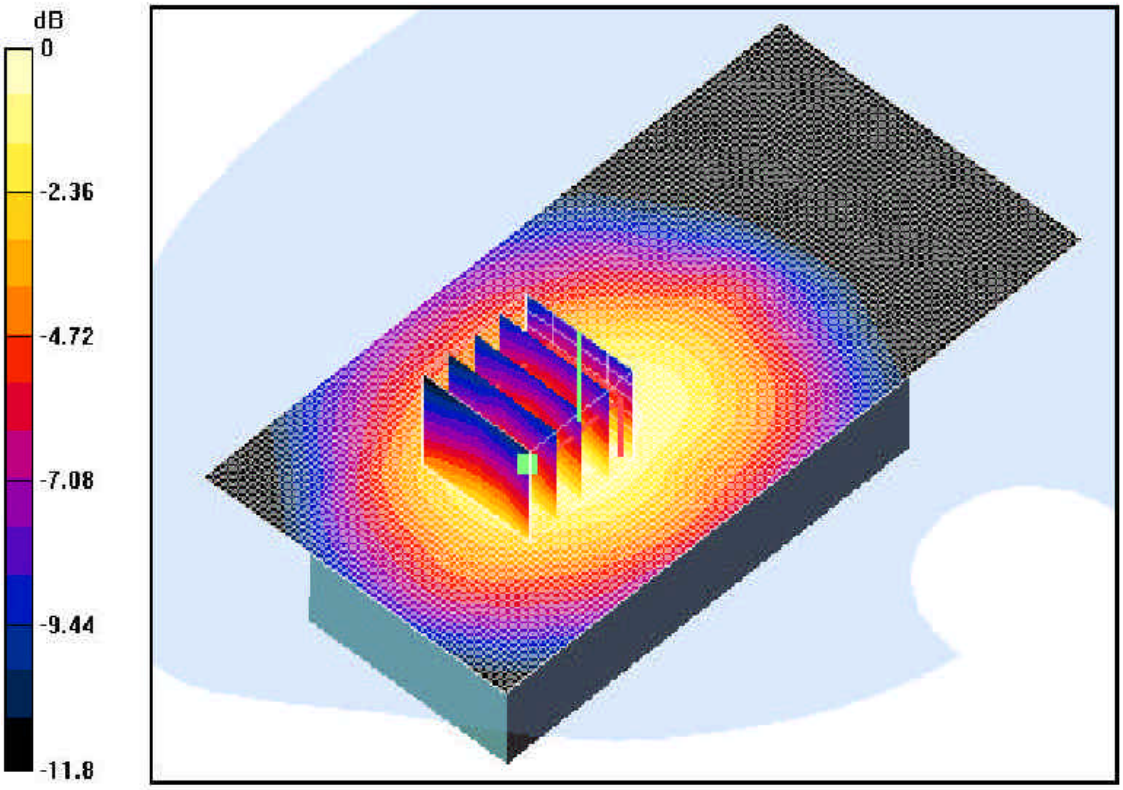
Communication System: iDEN66; Frequency: 813.513 MHz;Duty Cycle: 1:1.5
Medium: 900 Muscle (σ = 1.02 mho/m, ε_r = 53.9, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-08-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, without Beltclip, Mid Ch, Antenna In, High Performance Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.20 mW/g; SAR(10 g) = 0.783 mW/g
Reference Value = 25.3 V/m



0 dB = 0.919mW/g

DUT: MOTOROLA i315iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

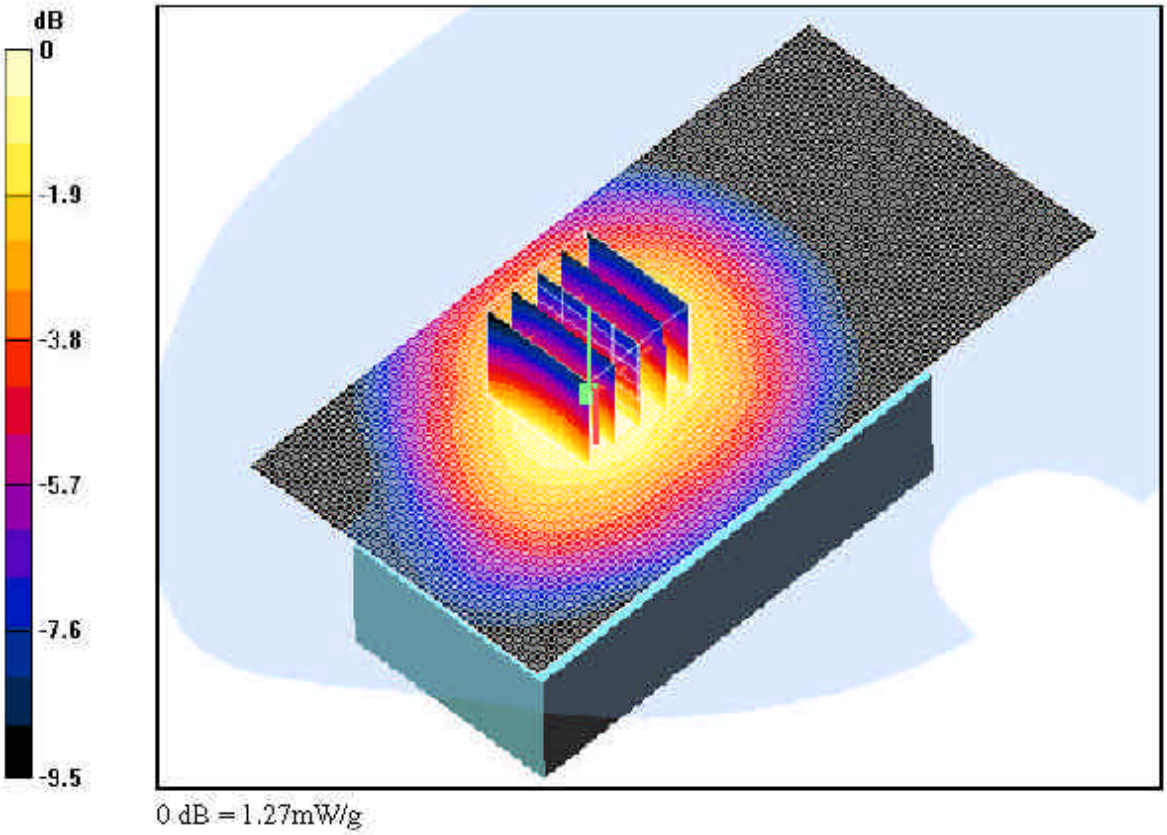
Communication System: iDEN66; Frequency: 813.513 MHz;Duty Cycle: 1:1.5
Medium: 835 Muscle (σ = 0.99 mho/m, ε_r = 56.4, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-08-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, with Beltclip, Mid Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.55 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.796 mW/g
Reference Value = 25.6 V/m



0 dB = 1.27mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

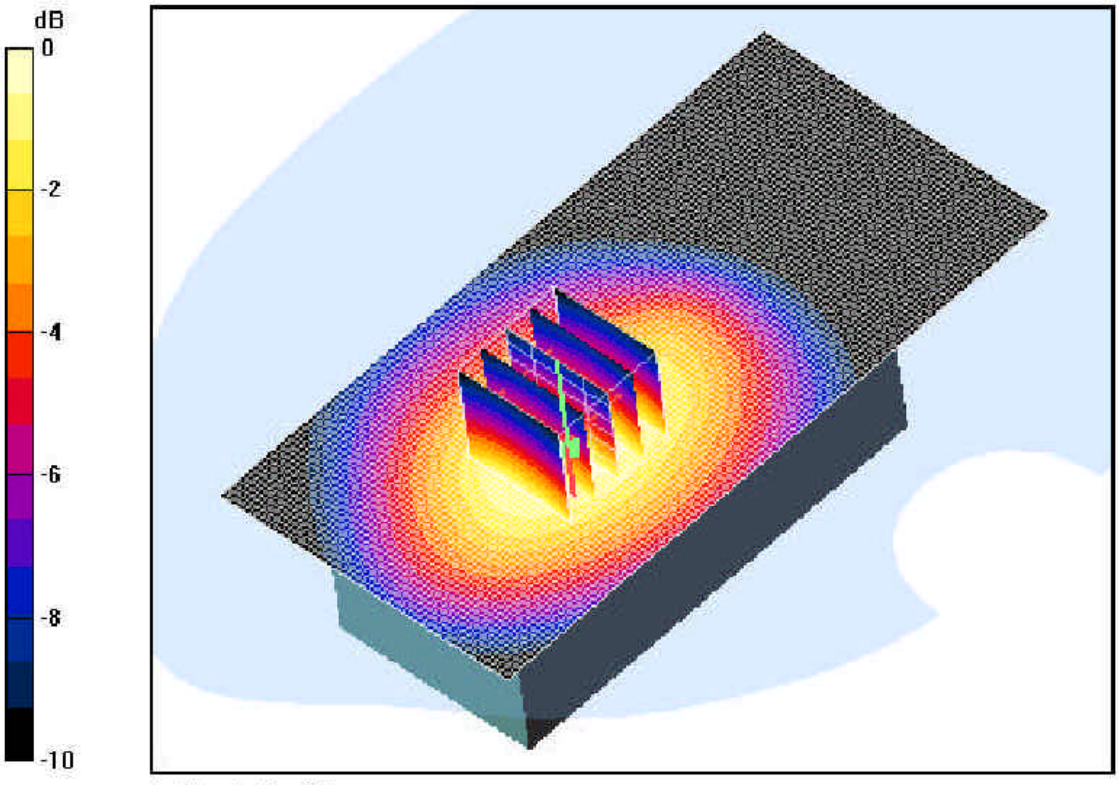
Communication System: ISM; Frequency: 927.475 MHz;Duty Cycle: 1:1
Medium: 900 Muscle (σ = 1.02 mho/m, ε_r = 53.9, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-08-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, PTT, without Beltclip, High Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.49 W/kg
SAR(1 g) = 1.134 mW/g; SAR(10 g) = 0.732 mW/g
Reference Value = 22.9 V/m



0 dB = 1.19mW/g

DUT: MOTOROLA i315iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

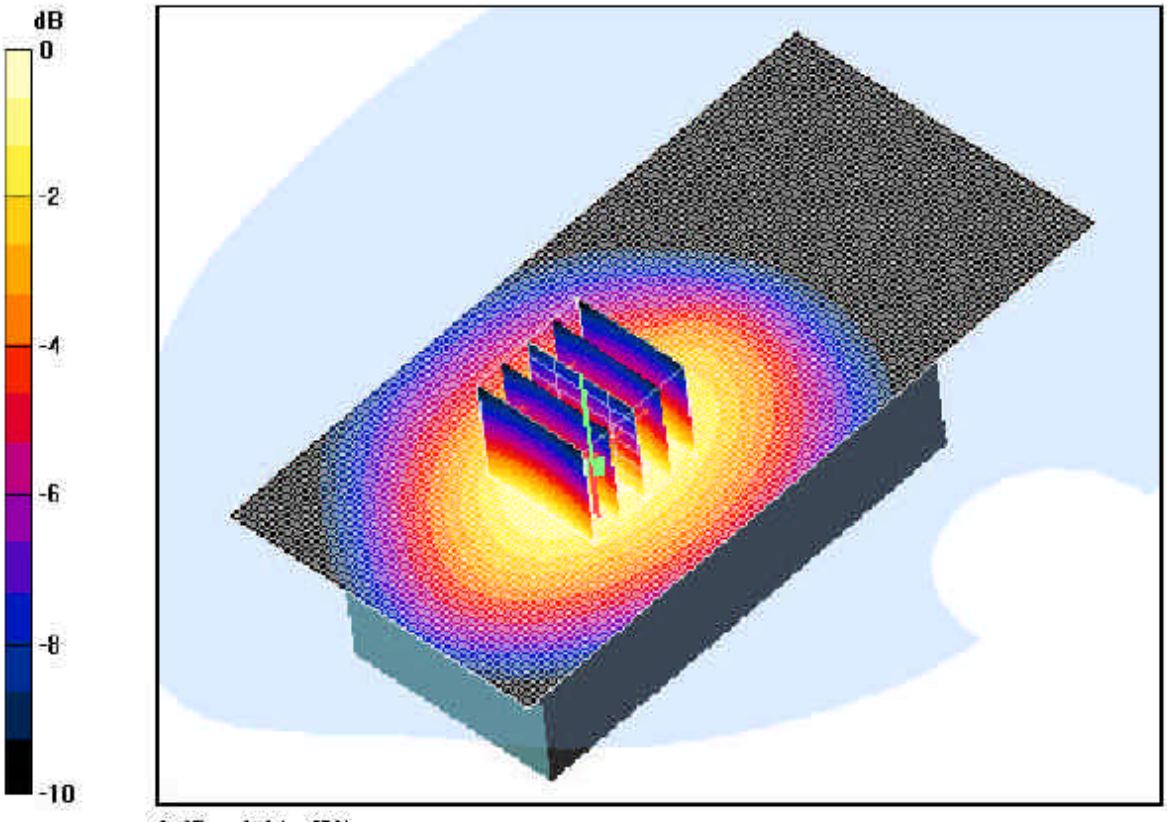
Communication System: ISM; Frequency: 902.525 MHz;Duty Cycle: 1:1
Medium: 900 Muscle (σ = 1.02 mho/m, ε_r = 53.9, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-08-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, PTT, with Beltclip, Low Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.44 W/kg
SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.725 mW/g
Reference Value = 22.5 V/m



0 dB = 1.19mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: MOTOROLA i315iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

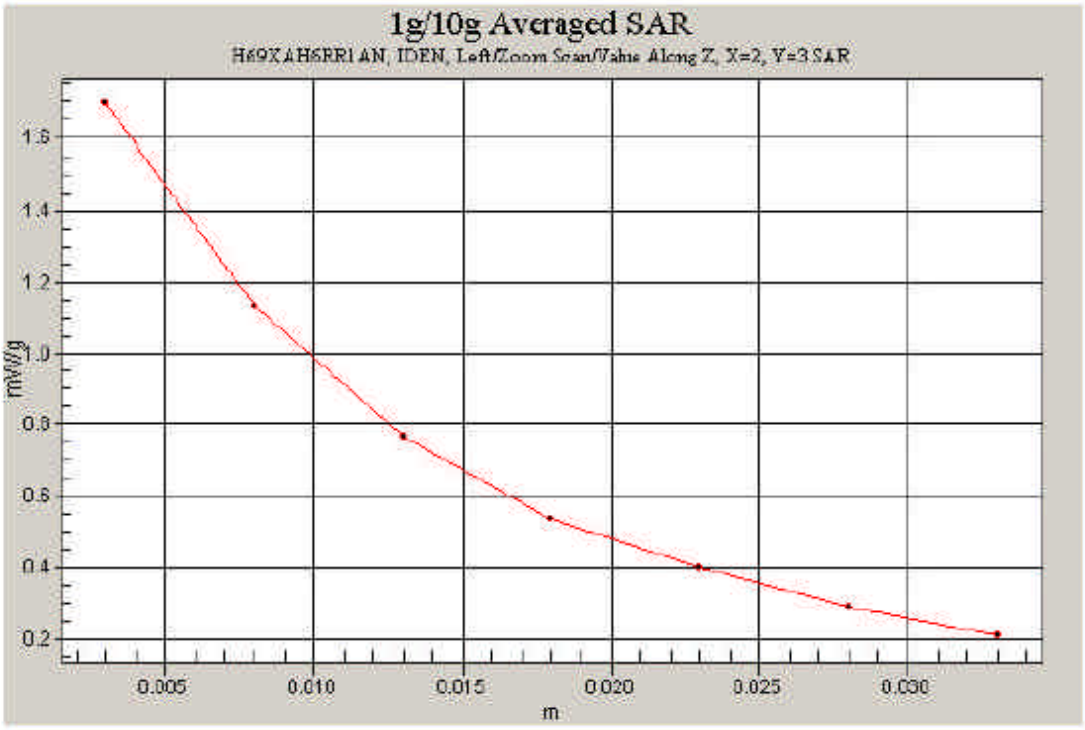
Communication System: iDEN33; Frequency: 813.513 MHz;Duty Cycle: 1:3
Medium: 835 Brain (σ = 0.89 mho/m, ε_r = 41.32, ρ = 1000 kg/m^3)
Phantom section: Left Section

Test Date: 04-05-2004; Ambient Temp: 22.3°C; Tissue Temp: 20.6°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Left Touch, Mid Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 2.09 W/kg
SAR(1 g) = 1.41 mW/g; SAR(10 g) = 0.920 mW/g
Reference Value = 28.9 V/m



DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

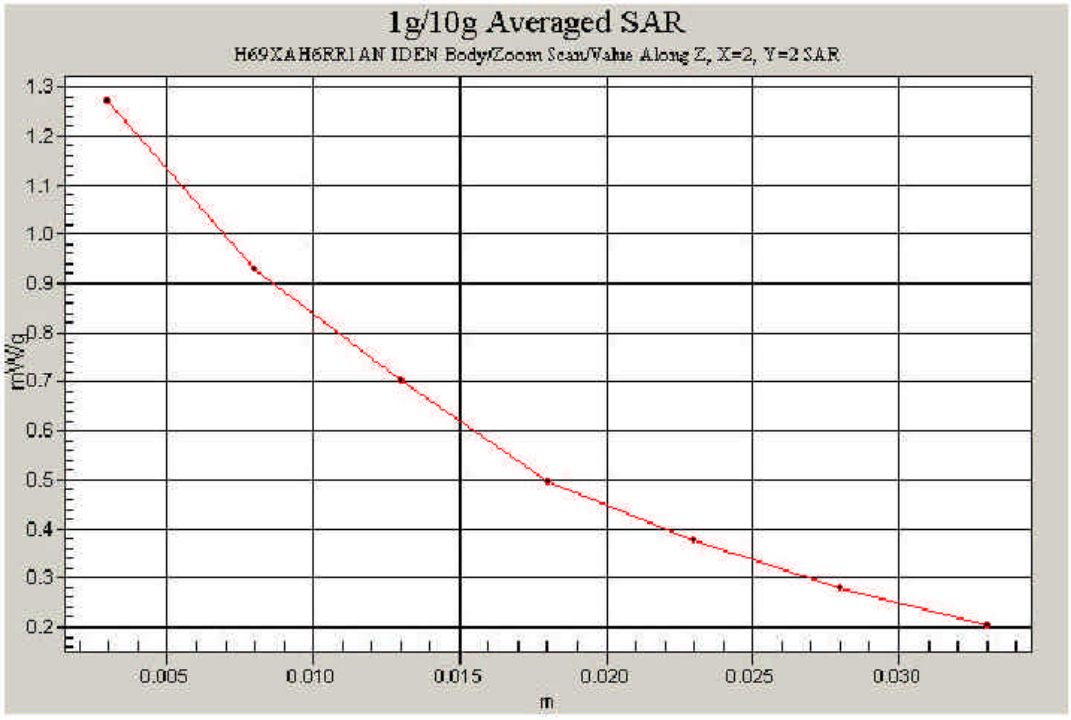
Communication System: iDEN66; Frequency: 813.513 MHz;Duty Cycle: 1:1.5
Medium: 835 Muscle (σ = 0.99 mho/m, ε_r = 56.4, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-08-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, with Beltclip, Mid Ch, Antenna In, High Performance Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.56 W/kg
SAR(1 g) = 1.20 mW/g; SAR(10 g) = 0.783 mW/g
Reference Value = 25.3 V/m



DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

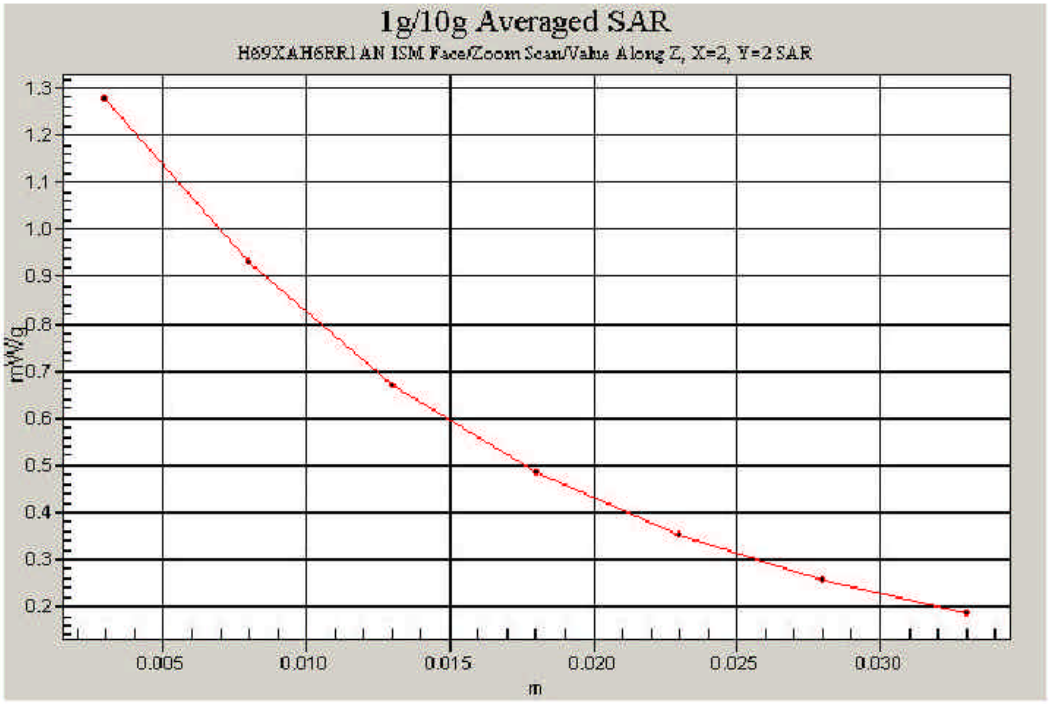
Communication System: ISM; Frequency: 927.475 MHz;Duty Cycle: 1:1
Medium: 900 Brain ($\sigma = 0.96$ mho/m, $\varepsilon_r = 41.7$, $\rho = 1000$ kg/m^3)
Phantom section: Flat Section

Test Date: 04-07-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Face, PTT, High Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.52 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.798 mW/g
Reference Value = 24 V/m



DUT: MOTOROLA i315 iDEN/ISM Phone; FCC ID: AZ489FT5832; SN: 364ADW003L

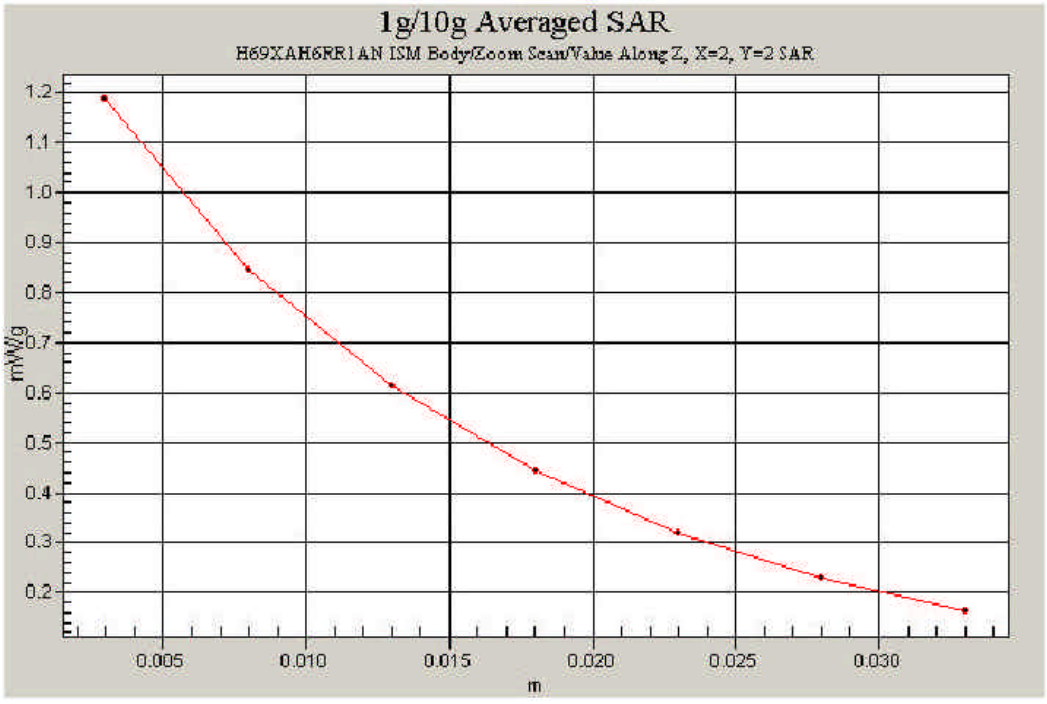
Communication System: ISM; Frequency: 902.525 MHz;Duty Cycle: 1:1
Medium: 900 Muscle (σ = 1.02 mho/m, ε_r = 53.9, ρ = 1000 kg/m^3)
Phantom section: Flat Section

Test Date: 04-08-2004; Ambient Temp: 22.5°C; Tissue Temp: 20.8°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003
Sensor-Surface: 3mm (Mechanical Surface Detection)
Electronics: DAE3 Sn455; Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197
Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Body, PTT, with Beltclip, High Ch, Antenna In, Maximum Capacity Battery

Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm
Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Peak SAR (extrapolated) = 1.47 W/kg
SAR(1 g) = 1.13 mW/g; SAR(10 g) = 0.730 mW/g
Reference Value = 22.7 V/m



APPENDIX B: SAR TEST SETUP PHOTOGRAPHS

Left Head – Cheek Touch Position

Left Head – Cheek Touch Position (Close-up)

Left Head –15° Tilt Position

Left Head –15° Tilt Position (Close-up)

Right Head – Cheek Touch Position

Right Head – Cheek Touch Position (Close-up)

Right Head –15° Tilt Position