

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 26.0 dBm

Communication System: AMPS; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0383, Extended Battery

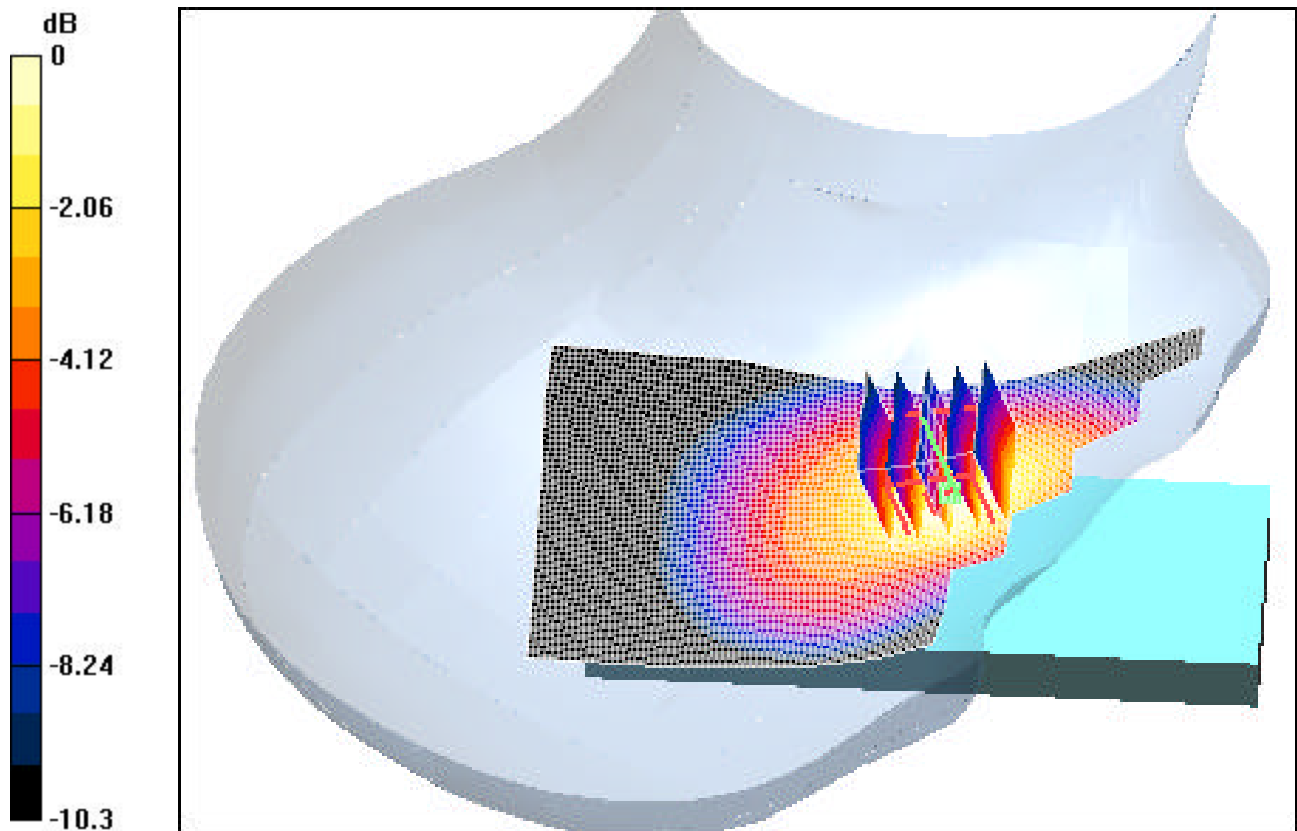
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.610 mW/g

Reference Value = 10.7 V/m



0 dB = 1.1mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 26.0 dBm

Communication System: AMPS; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Tilt, Ch.0383, Extended Battery

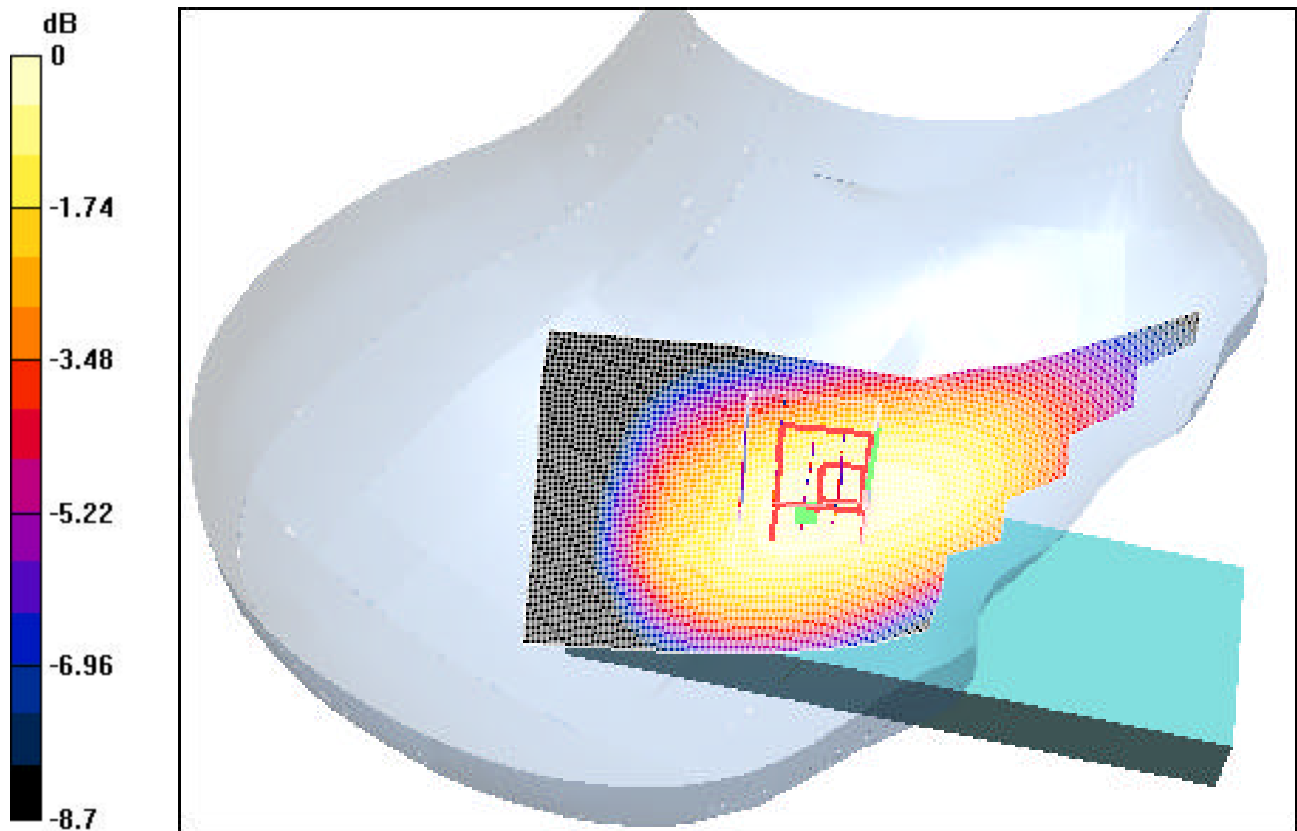
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.249 mW/g

Reference Value = 13.7 V/m



0 dB = 0.367mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 26.0 dBm

Communication System: AMPS; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0383, Extended Battery

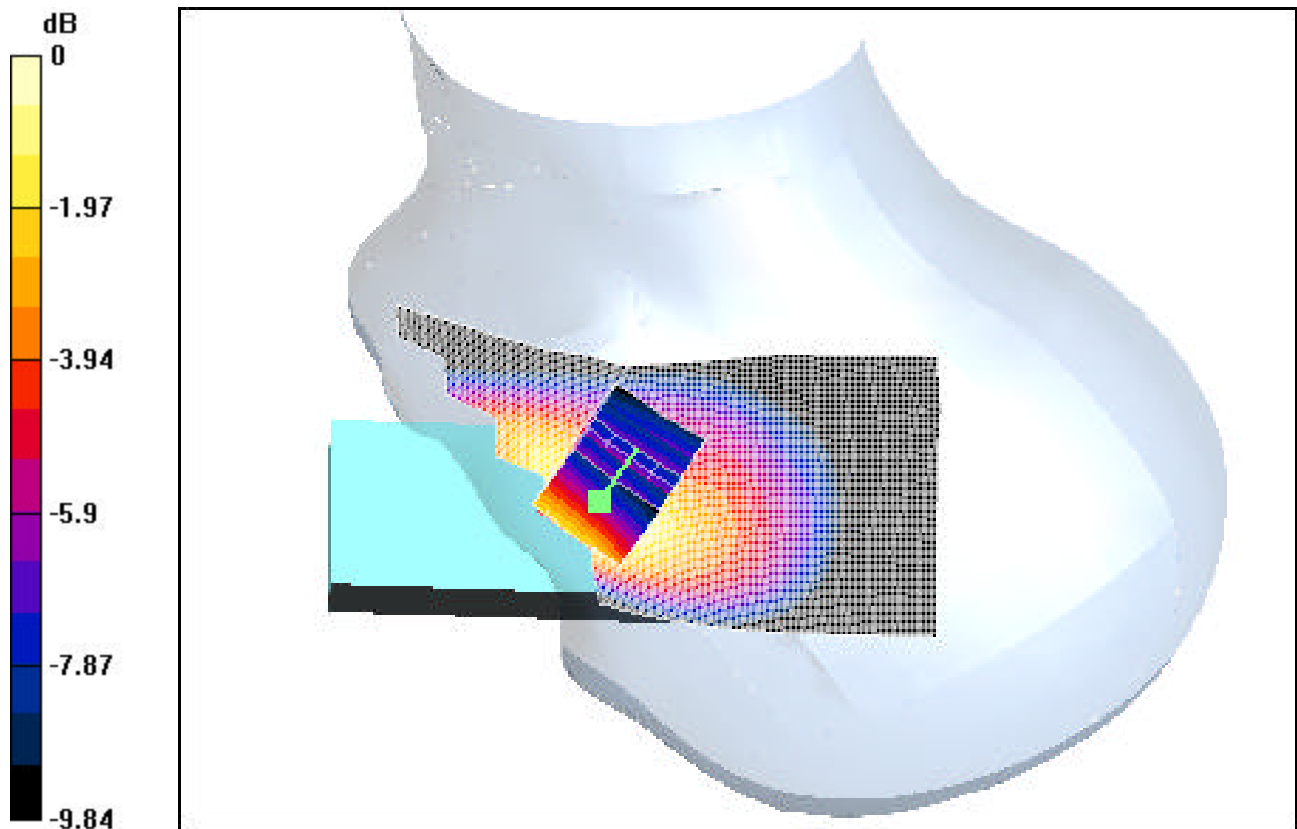
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.931 mW/g; SAR(10 g) = 0.620 mW/g

Reference Value = 11.5 V/m



0 dB = 1.08mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 26.0 dBm

Communication System: AMPS; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Tilt, Ch.0383, Extended Battery

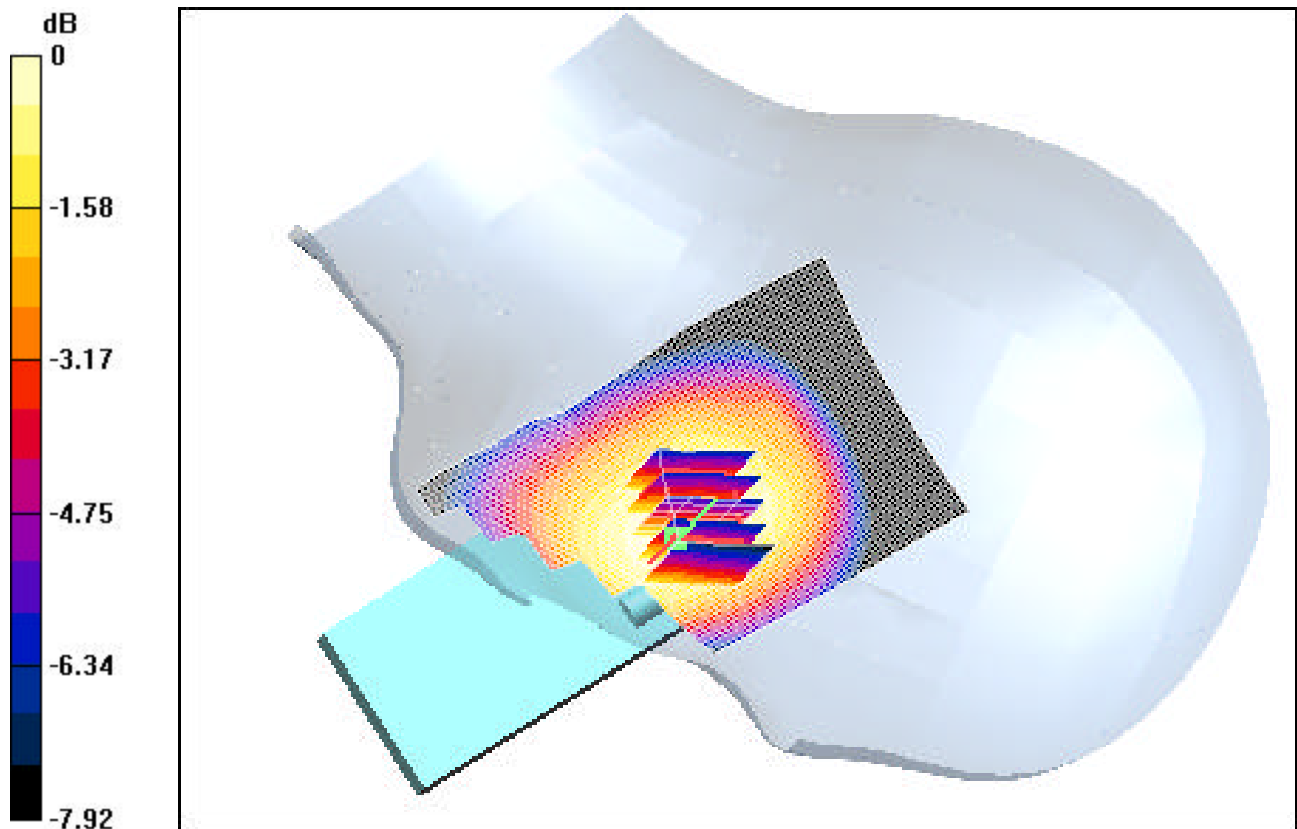
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.284 mW/g; SAR(10 g) = 0.216 mW/g

Reference Value = 12.1 V/m



0 dB = 0.315mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 25.0 dBm

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DAS4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0383, Extended Battery

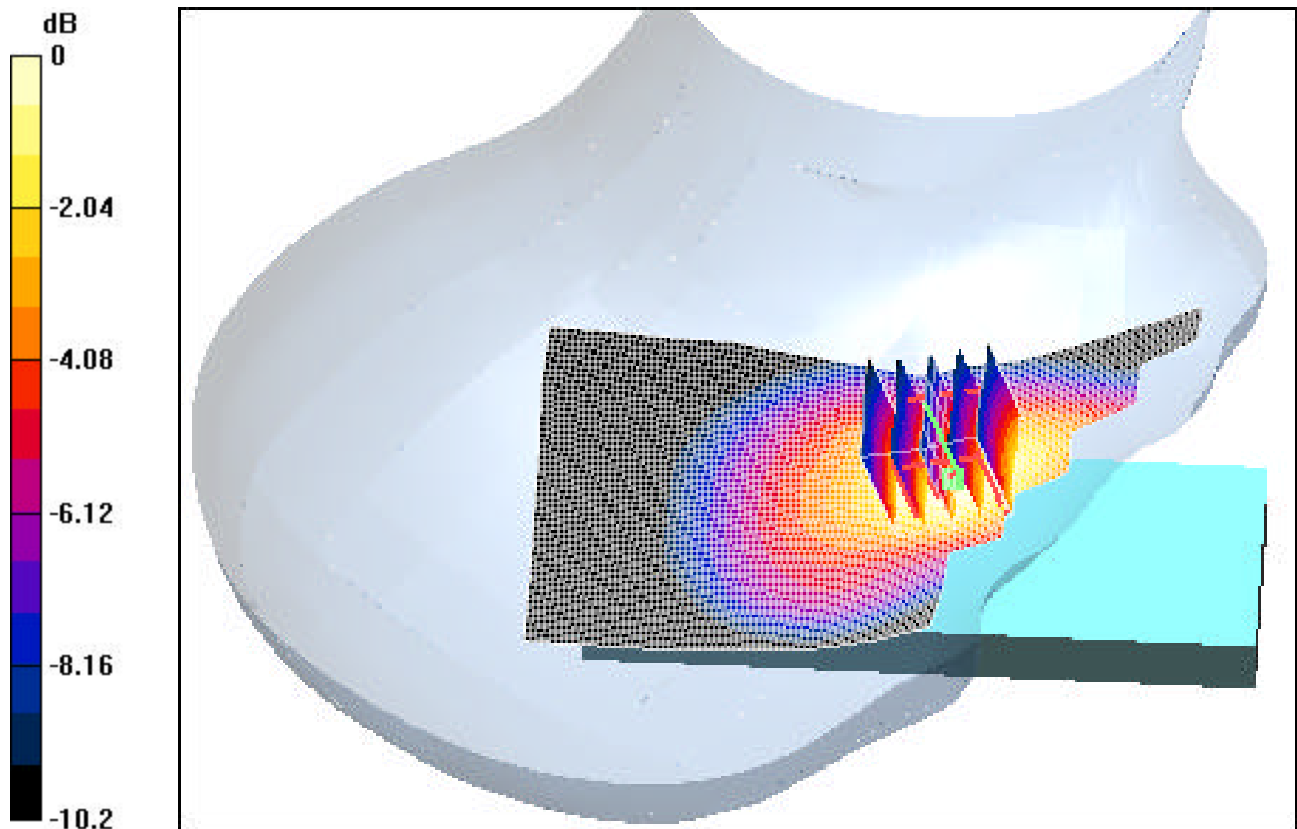
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.17 W/kg

SAR(1 g) = 0.749 mW/g; SAR(10 g) = 0.485 mW/g

Reference Value = 9.02 V/m



0 dB = 0.882mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 25.0 dBm

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Tilt, Ch.0383, Extended Battery

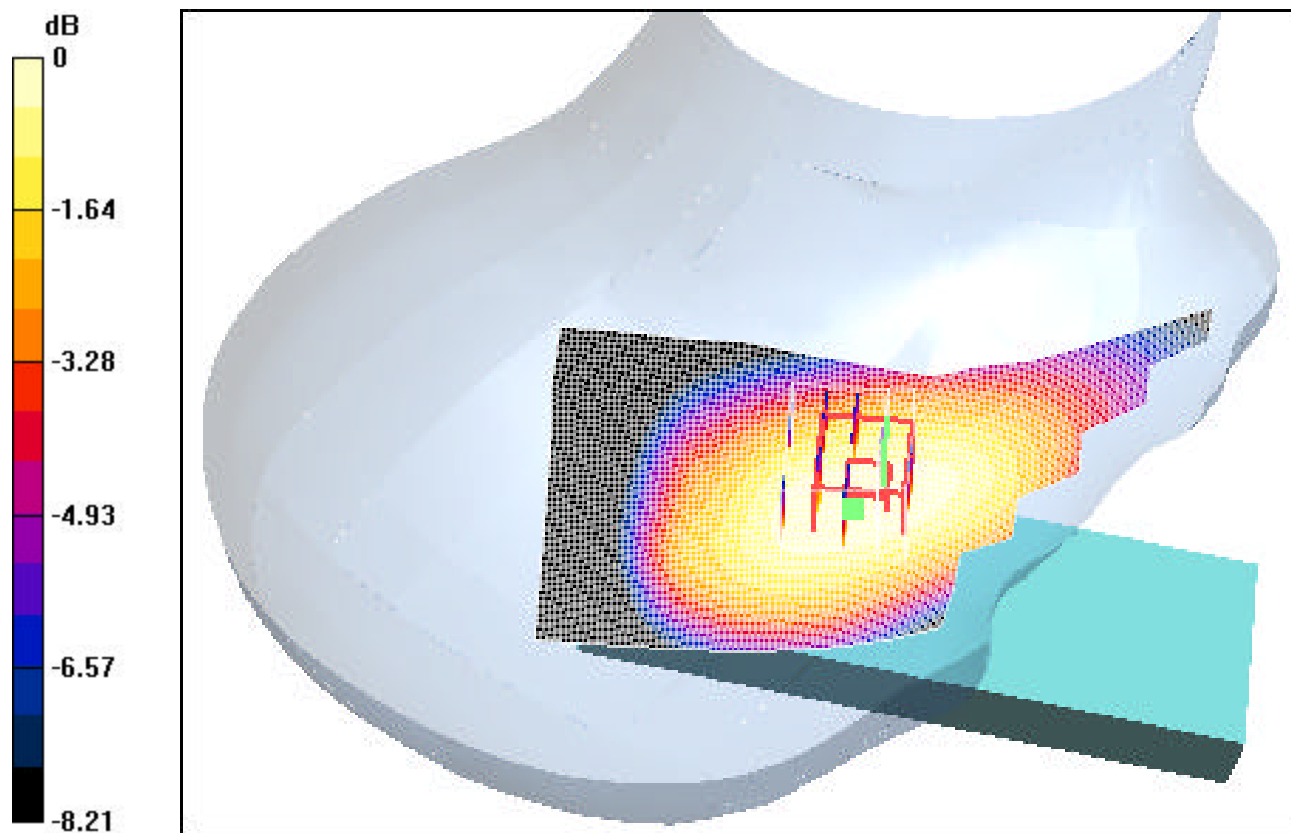
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.310 W/kg

SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.183 mW/g

Reference Value = 11.1 V/m



0 dB = 0.269mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 25.0 dBm

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0383, Extended Battery

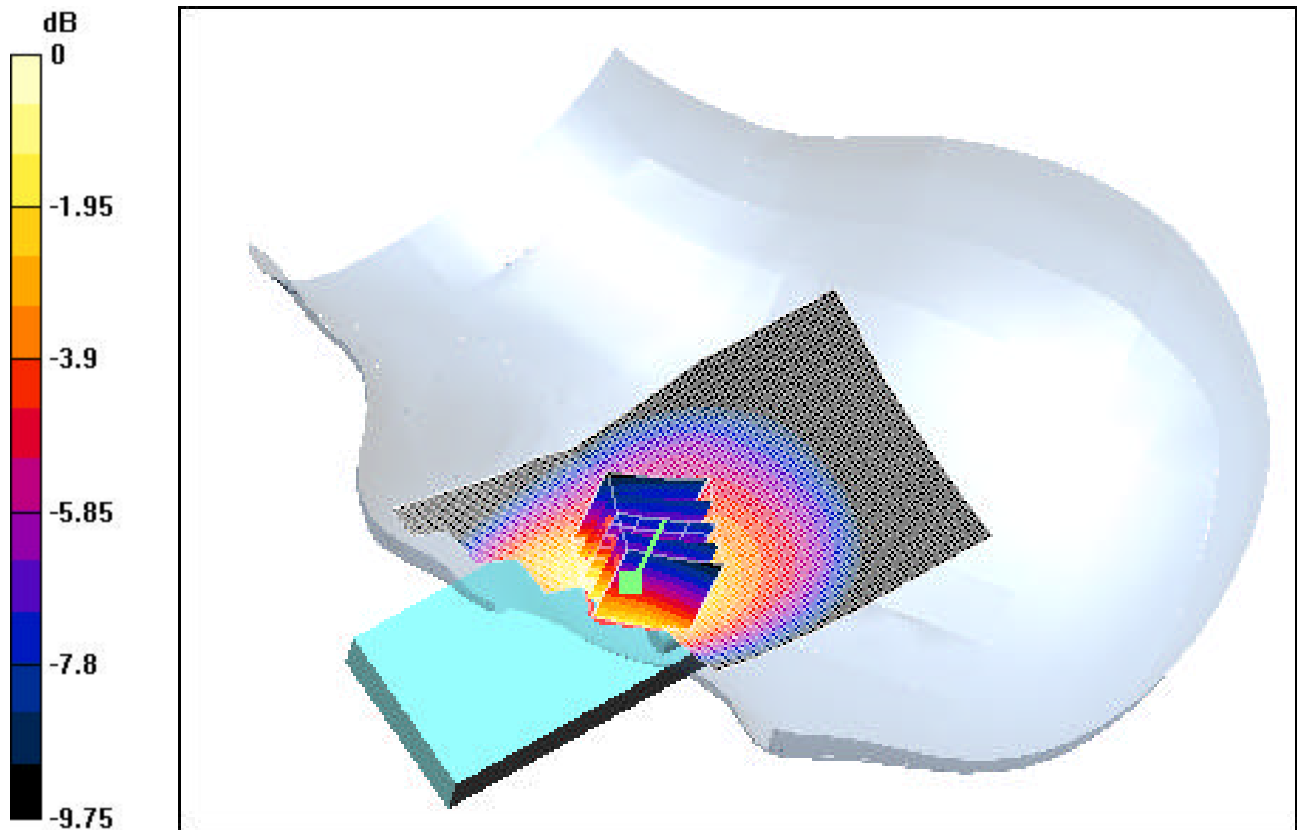
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.1 W/kg

SAR(1 g) = 0.716 mW/g; SAR(10 g) = 0.478 mW/g

Reference Value = 10.1 V/m



0 dB = 0.830mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 25.0 dBm

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

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DAS4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Tilt, Ch.0383, Extended Battery

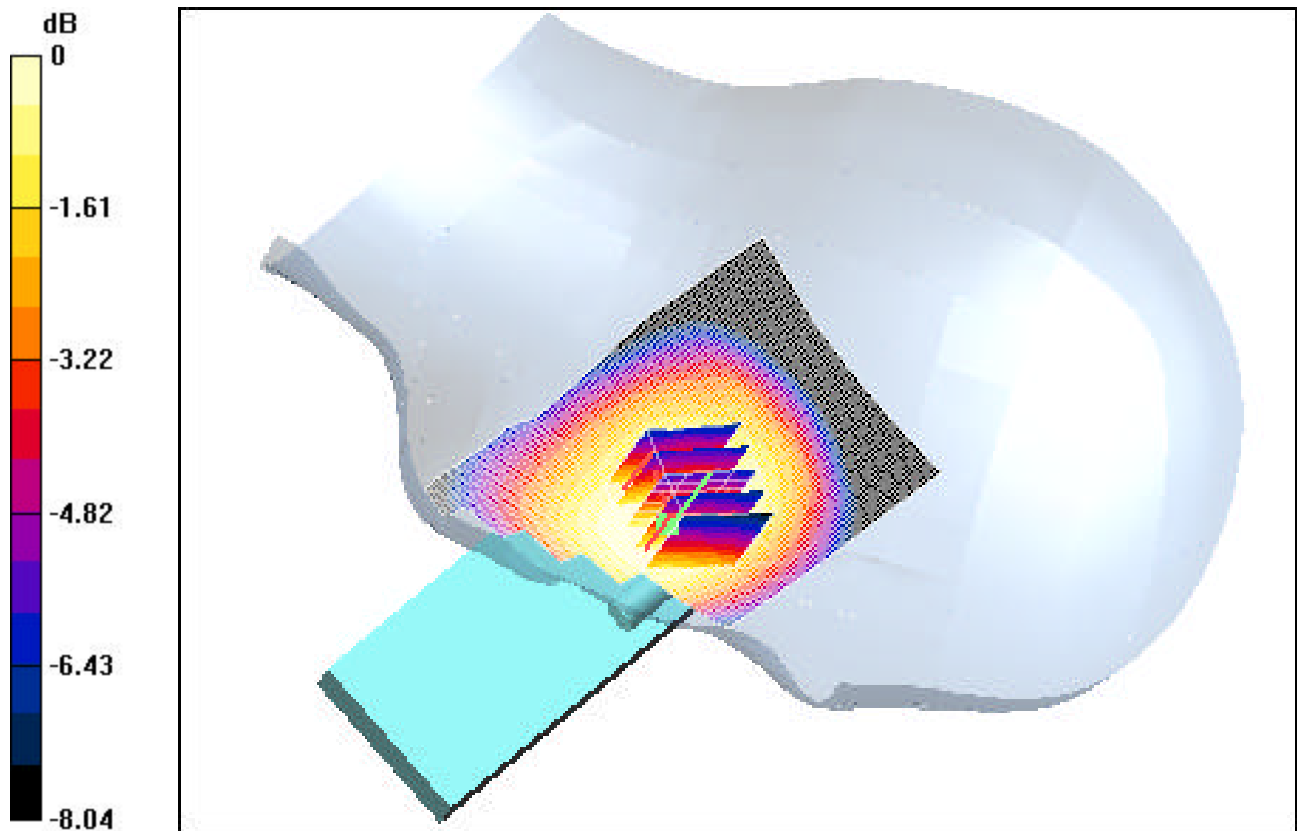
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.174 mW/g

Reference Value = 11.5 V/m



0 dB = 0.251mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

Communication System: PCS CDMA; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.38$ mho/m, $\epsilon_r = 39.71$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-12-2004; Ambient Temp: 22.7°C; Tissue Temp: 20.6°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.1175, Extended Battery

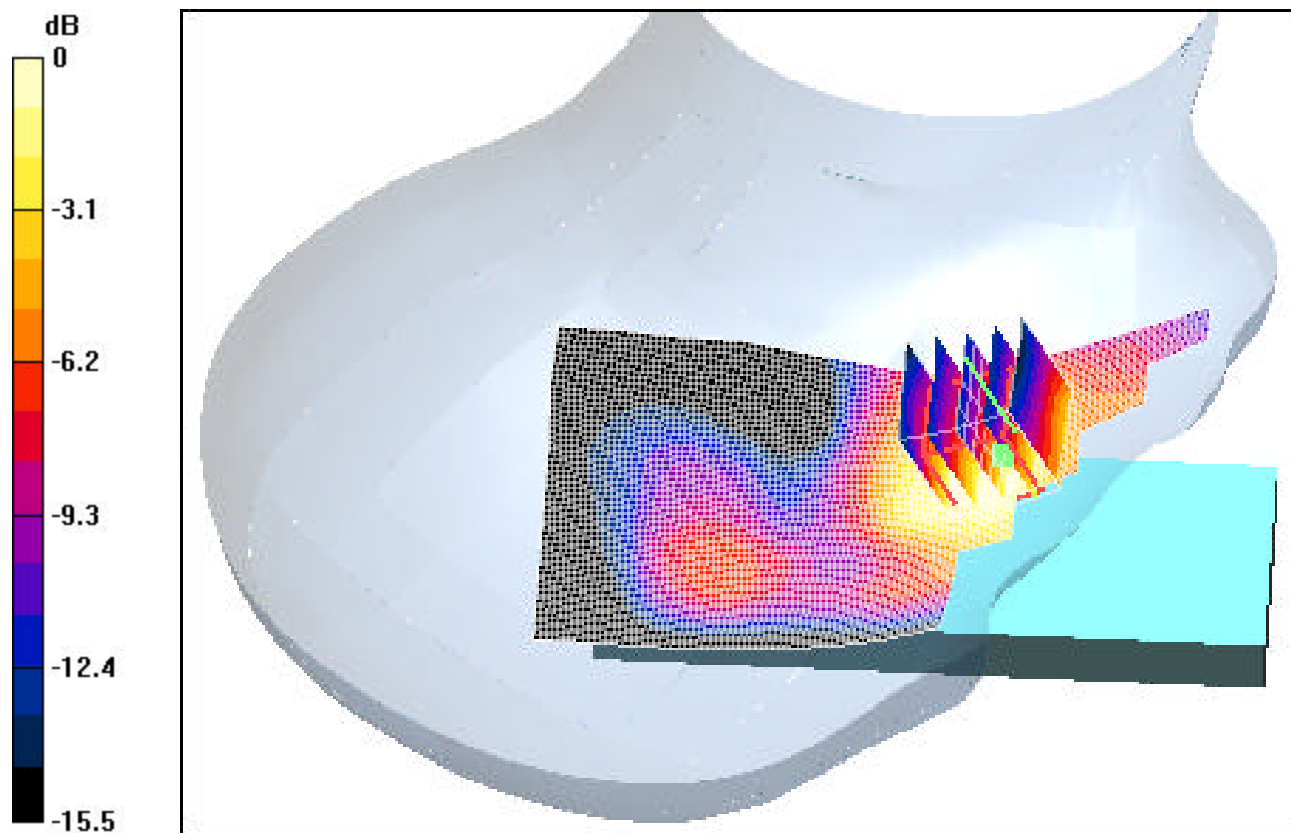
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.86 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.615 mW/g

Reference Value = 9.43 V/m



0 dB = 1.25mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

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

Medium: 1900 Brain ($\sigma = 1.38$ mho/m, $\epsilon_r = 39.71$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-12-2004; Ambient Temp: 22.7°C; Tissue Temp: 20.6°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Tilt, Ch.0600, Extended Battery

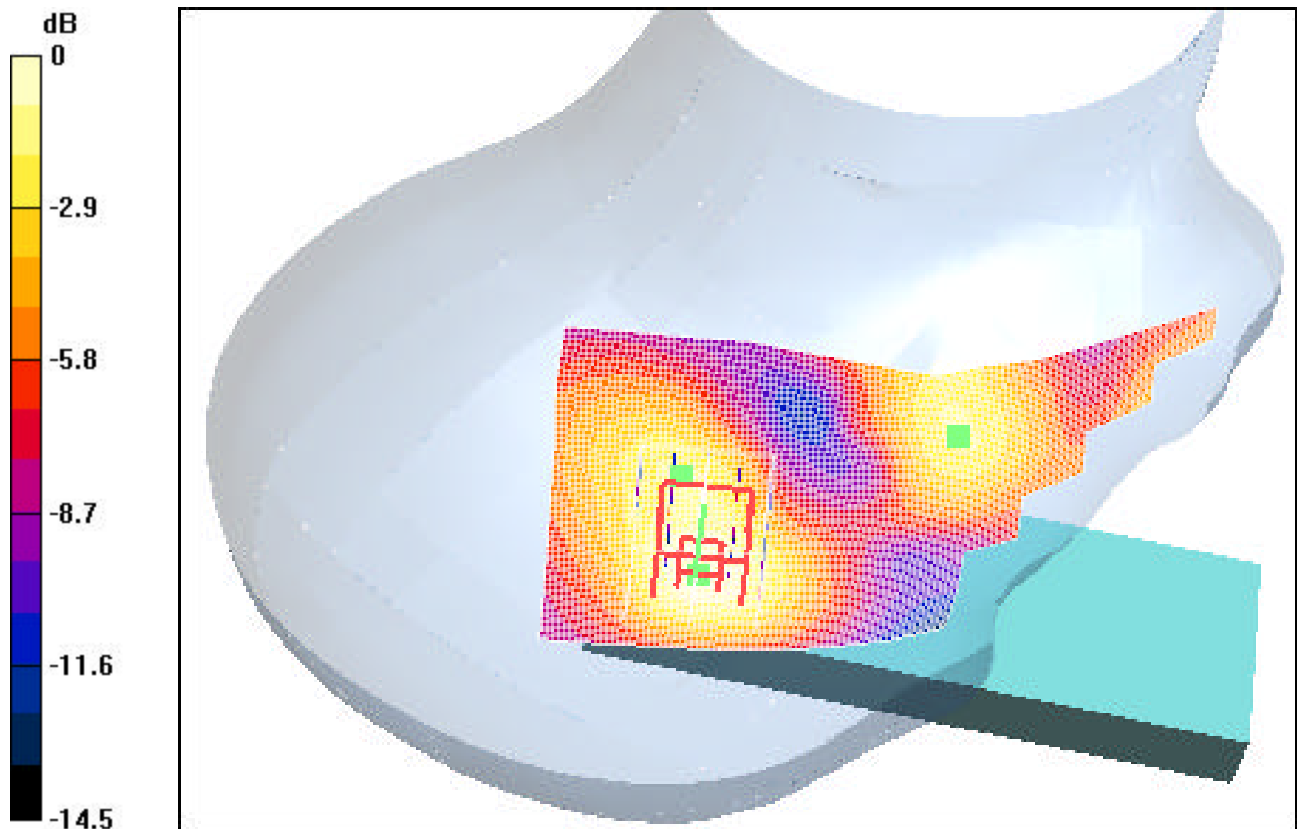
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.227 W/kg

SAR(1 g) = 0.149 mW/g; SAR(10 g) = 0.092 mW/g

Reference Value = 9.27 V/m



0 dB = 0.175mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

Communication System: PCS CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.38$ mho/m, $\epsilon_r = 39.71$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-12-2004; Ambient Temp: 22.7°C; Tissue Temp: 20.6°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0025, Extended Battery

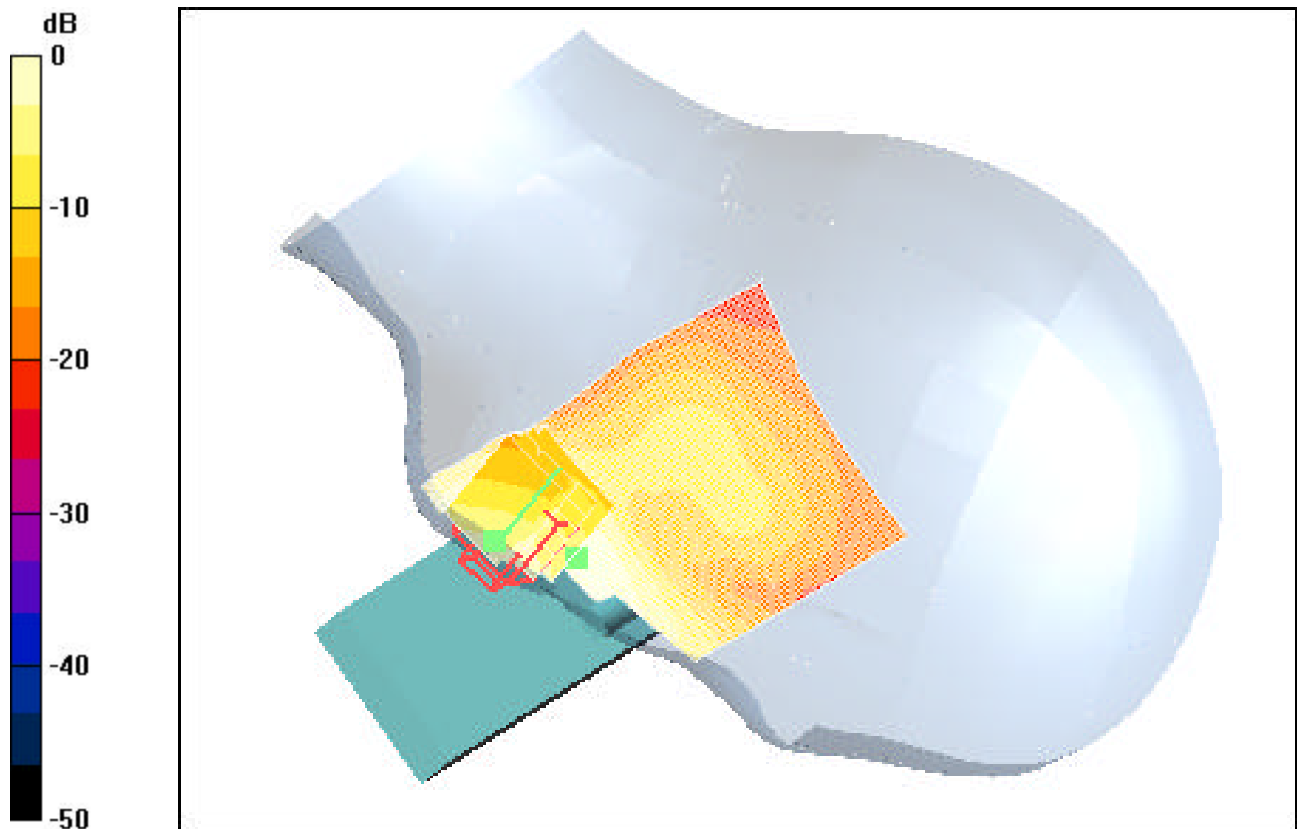
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.618 mW/g

Reference Value = 8.9 V/m



0 dB = 1.3mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

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

Medium: 1900 Brain ($\sigma = 1.38$ mho/m, $\epsilon_r = 39.71$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-12-2004; Ambient Temp: 22.7°C; Tissue Temp: 20.6°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Tilt, Ch.0600, Extended Battery

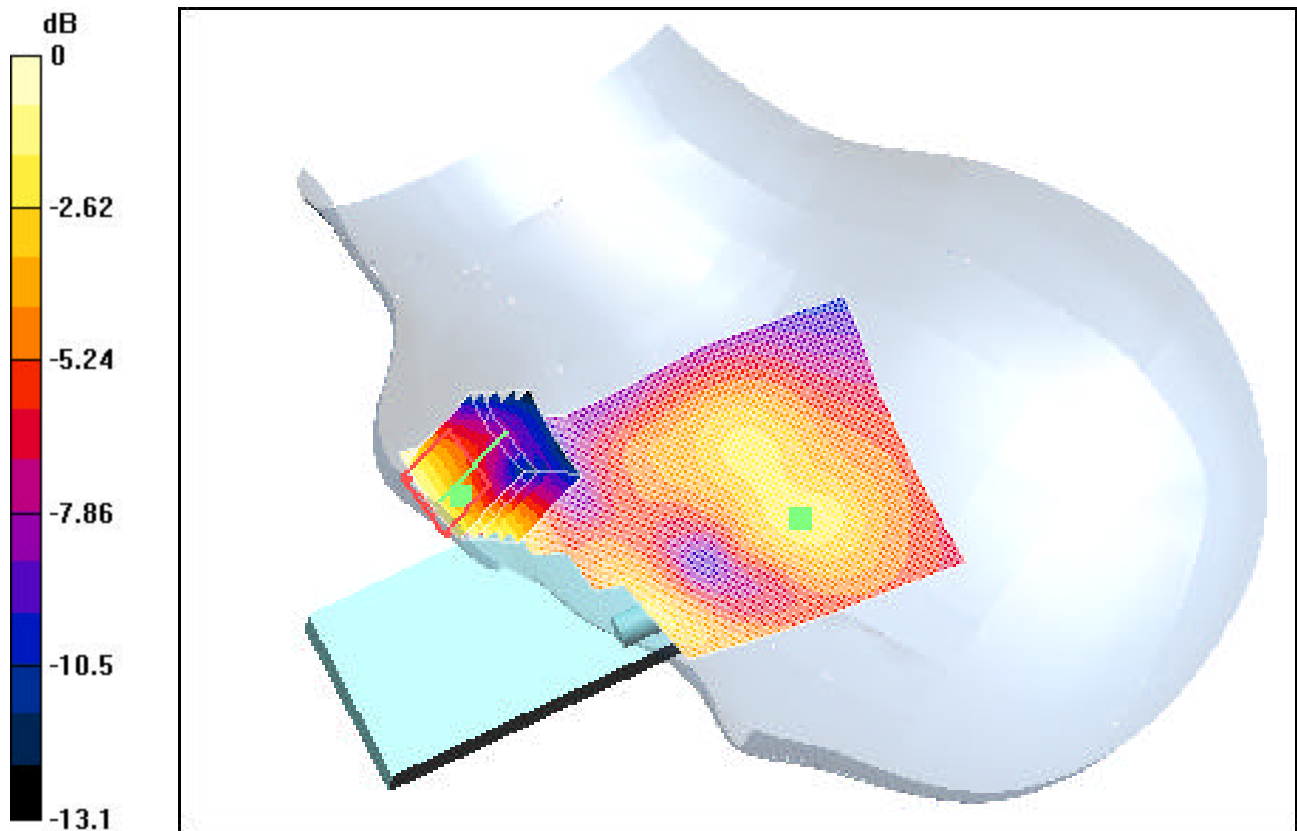
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.174 W/kg

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.081 mW/g

Reference Value = 6.9 V/m



0 dB = 0.137mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 26.0 dBm

Communication System: AMPS; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.01$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 0.0 cm; Tested with Beltclip

Test Date: 03-12-2004; Ambient Temp: 22.4°C; Tissue Temp: 20.5°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Ch.0383, Extended Battery

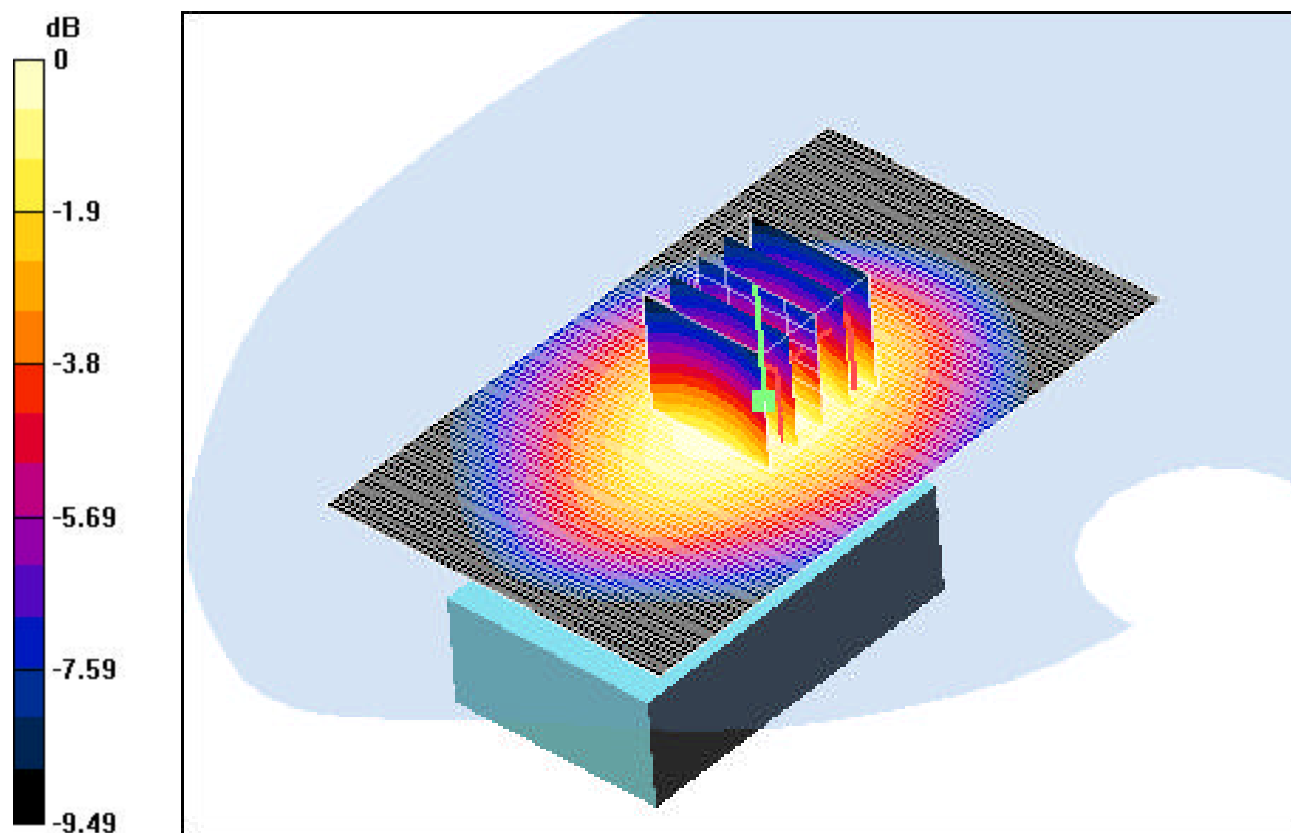
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.394 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.214 mW/g

Reference Value = 17 V/m



0 dB = 0.333mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 25.0 dBm

Communication System: Cellular CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.01$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 0.0 cm; Tested with Beltclip

Test Date: 03-12-2004; Ambient Temp: 22.4°C; Tissue Temp: 20.5°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Ch.0777, Extended Battery

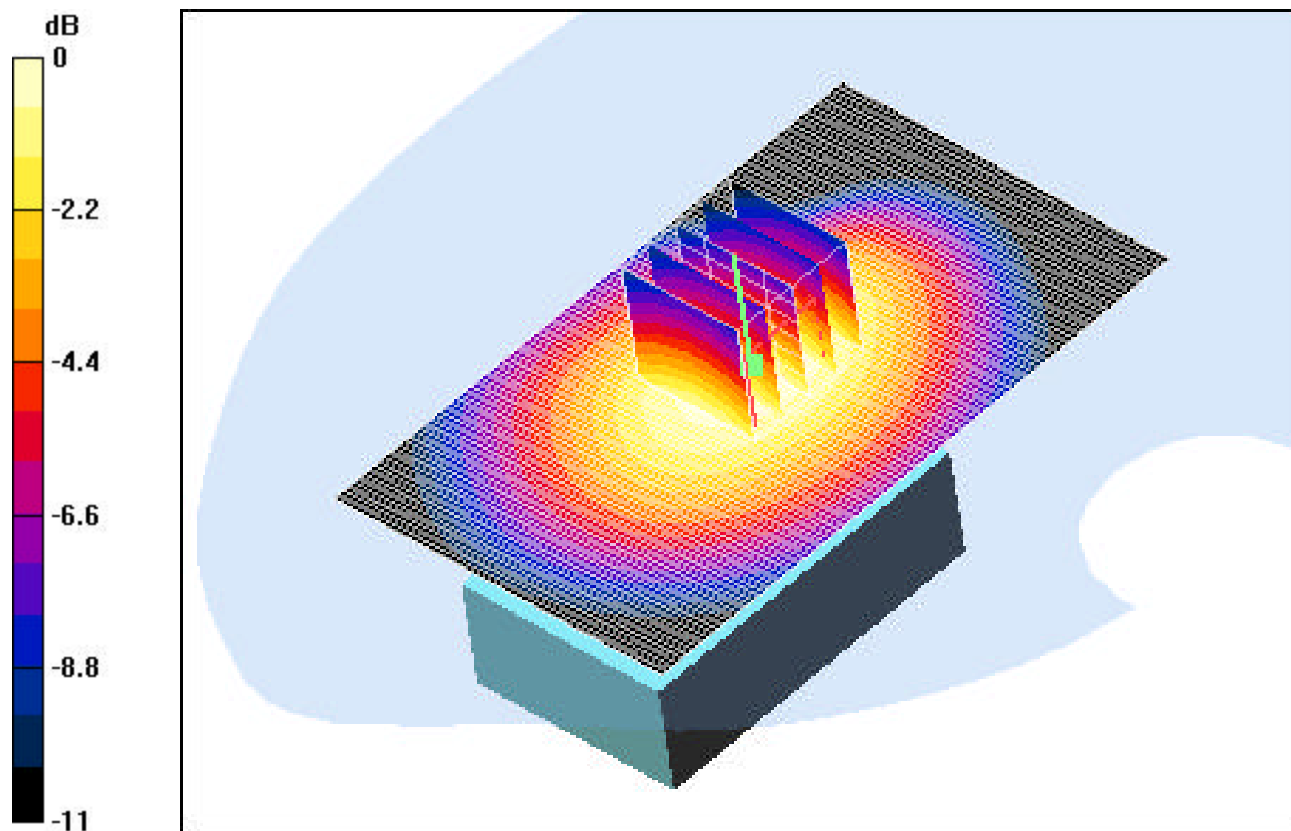
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.216 mW/g

Reference Value = 17.2 V/m



0 dB = 0.341mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

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

Medium: 1900 Muscle ($\sigma = 1.57$ mho/m, $\epsilon_r = 51.44$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 0.0 cm; Tested with Beltclip

Test Date: 03-12-2004; Ambient Temp: 23.5°C; Tissue Temp: 20.9°C

Probe: ES3DV2 - SN3022; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Ch.0600, Extended Battery

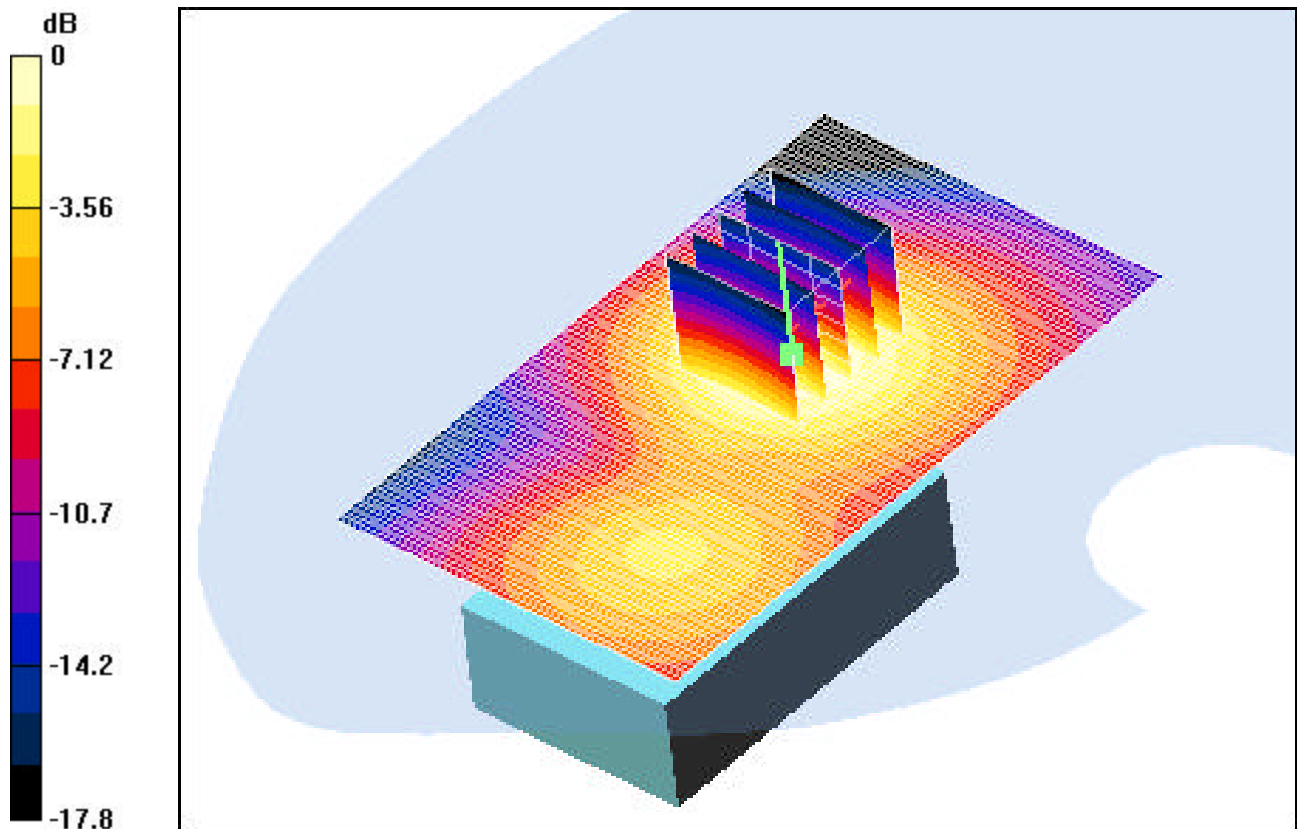
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.351 mW/g

Reference Value = 21.8 V/m



0 dB = 0.762mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 26.0 dBm

Communication System: AMPS; Frequency: 836.49 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.89$ mho/m, $\epsilon_r = 40.66$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 03-10-2004; Ambient Temp: 22.0°C; Tissue Temp: 20.2°C

Probe: ES3DV2 - SN3022; ConvF(6.1, 6.1, 6.1); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0383, Extended Battery

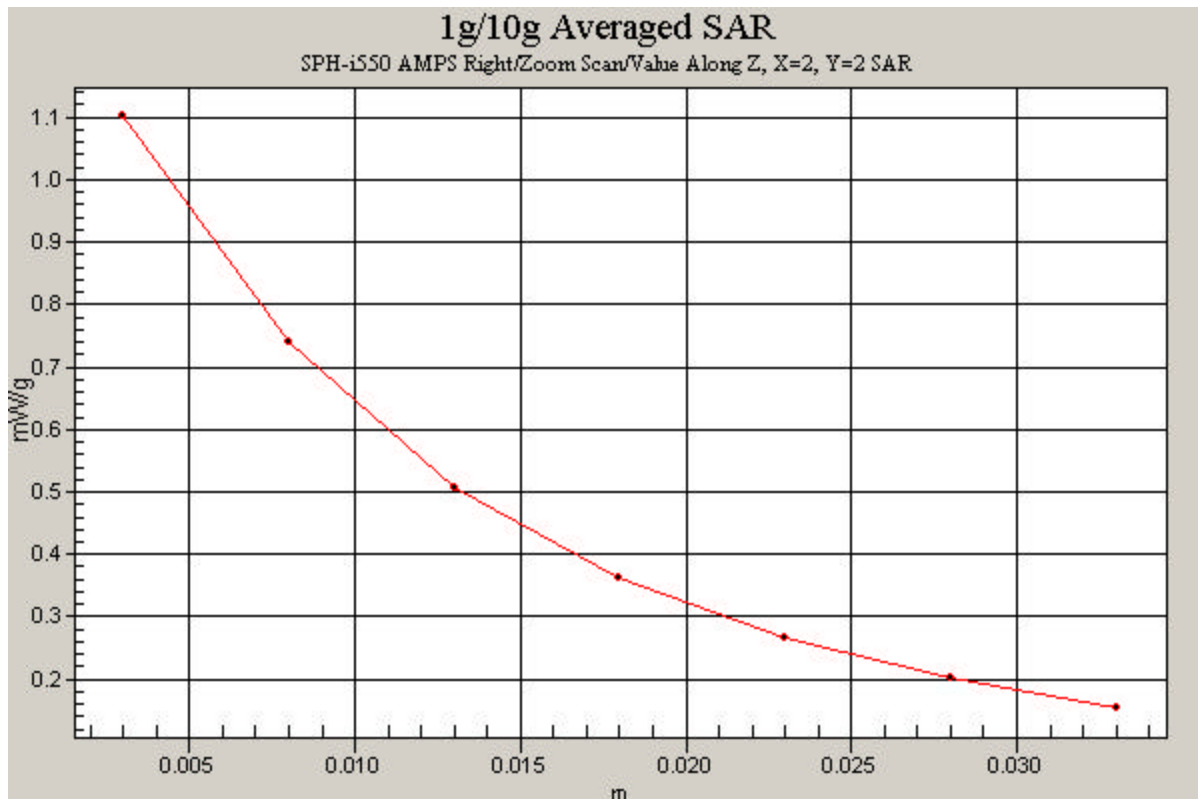
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 0.945 mW/g; SAR(10 g) = 0.610 mW/g

Reference Value = 10.7 V/m



PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

Communication System: PCS CDMA; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: 1900 Brain ($\sigma = 1.38$ mho/m, $\epsilon_r = 39.71$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 03-12-2004; Ambient Temp: 22.7°C; Tissue Temp: 20.6°C

Probe: ES3DV2 - SN3022; ConvF(5, 5, 5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Touch, Ch.0025, Extended Battery

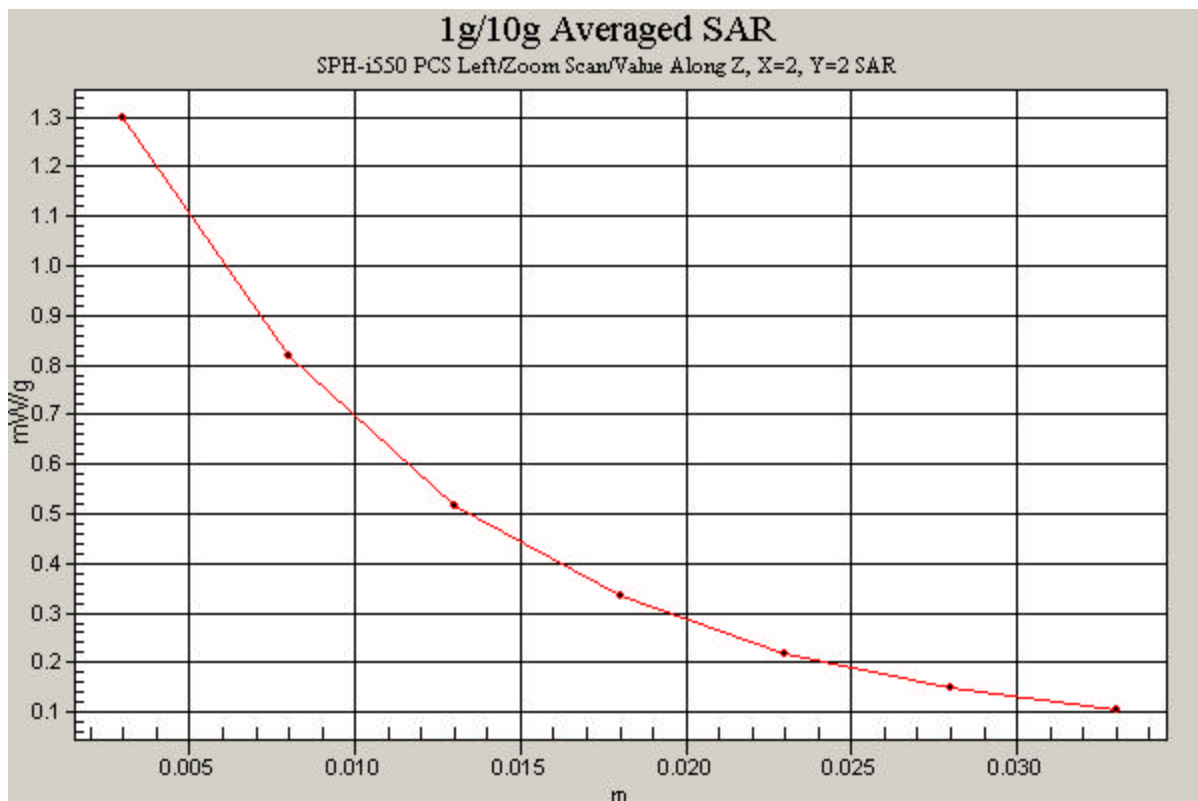
Area Scan (61x121x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.7 W/kg

SAR(1 g) = 1.2 mW/g; SAR(10 g) = 0.618 mW/g

Reference Value = 8.9 V/m



PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 25.0 dBm

Communication System: Cellular CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.99$ mho/m, $\epsilon_r = 53.01$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 0.0 cm; Tested with Beltclip

Test Date: 03-12-2004; Ambient Temp: 22.4°C; Tissue Temp: 20.5°C

Probe: ES3DV2 - SN3022; ConvF(6, 6, 6); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Ch.0777, Extended Battery

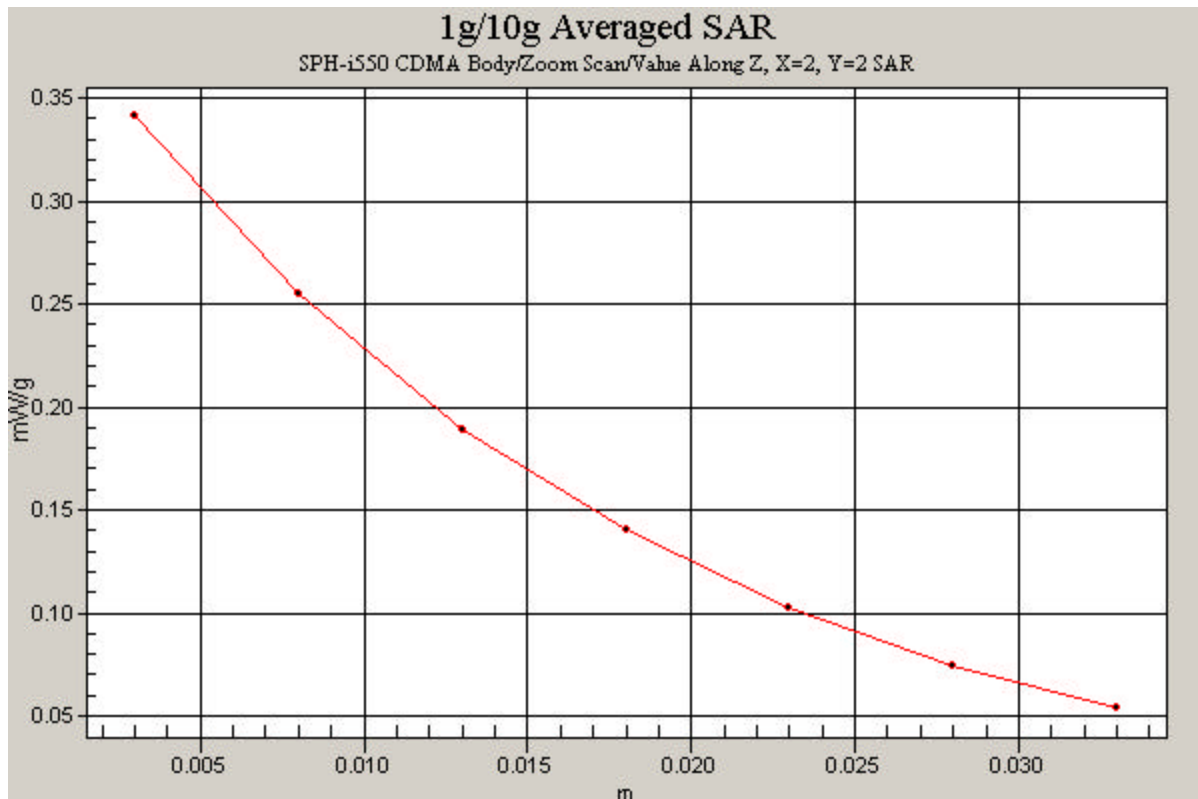
Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 0.402 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.216 mW/g

Reference Value = 17.2 V/m



PCTEST ENGINEERING LABORATORY, INC.

DUT: SPH-i550; Type: SAMSUNG Tri Mode Phone; Serial: #1; Conducted Power: 24.5 dBm

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

Medium: 1900 Muscle ($\sigma = 1.57$ mho/m, $\epsilon_r = 51.44$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 0.0 cm; Tested with Beltclip

Test Date: 03-12-2004; Ambient Temp: 23.5°C; Tissue Temp: 20.9°C

Probe: ES3DV2 - SN3022; ConvF(4.5, 4.5, 4.5); Calibrated: 9/23/2003

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE3 Sn455; Calibrated: 1/6/2004

Phantom: SAM 12b; Type: SAM 4.0; Serial: TP:1197

Measurement SW: DASY4, V4.2 Build 12; Postprocessing SW: SEMCAD, V1.8 Build 93

Ch.0600, Extended Battery

Area Scan (61x101x1): Measurement grid: dx=15mm, dy=15mm

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

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.351 mW/g

Reference Value = 21.8 V/m

