

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.56$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 3-12-2007; Ambient Temp: 23.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: WCDMA850, Right Head, Touch, Mid. ch

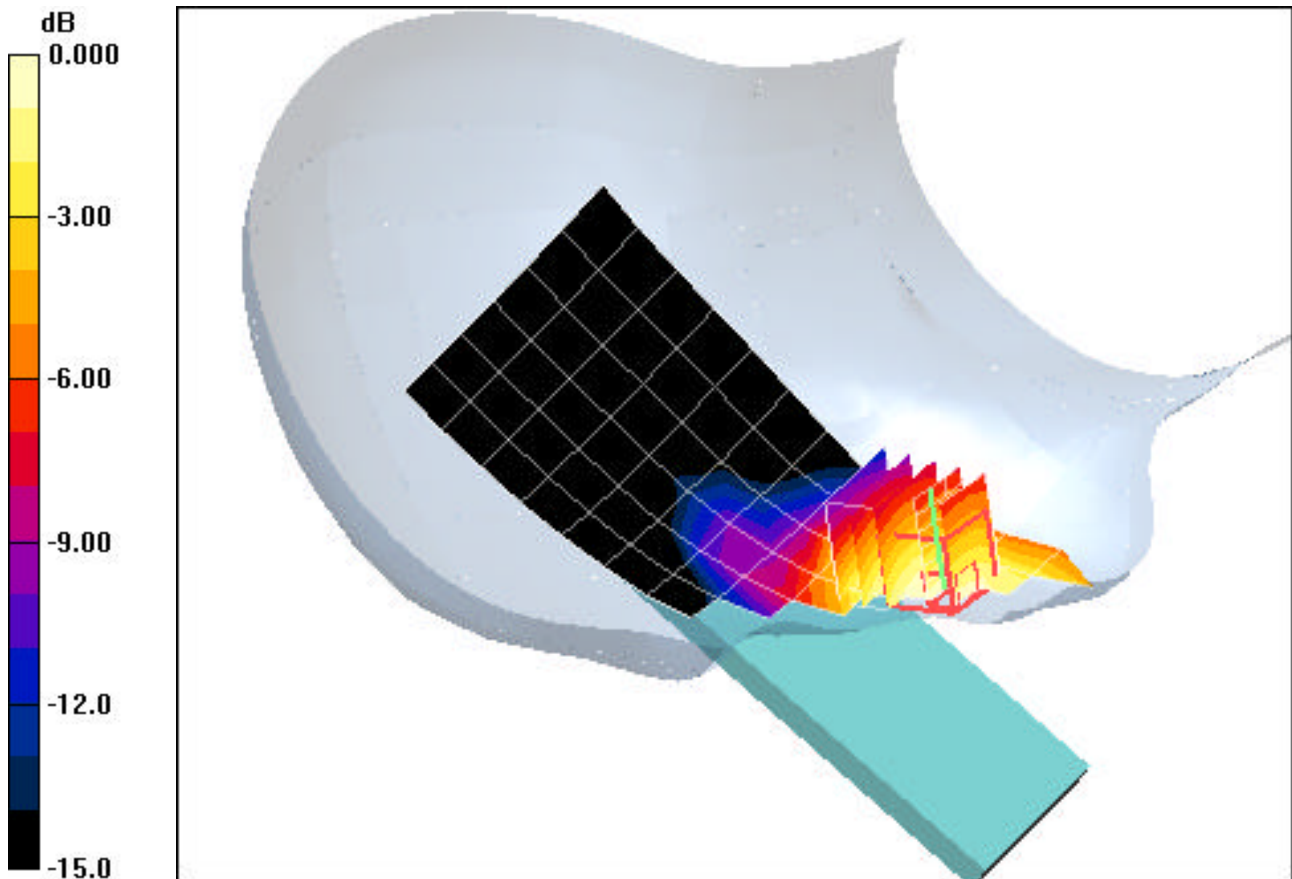
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 1.96 V/m

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.128 mW/g



0 dB = 0.196mW/g

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Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: WCDMA850, Right Head, Tilt, Mid.ch

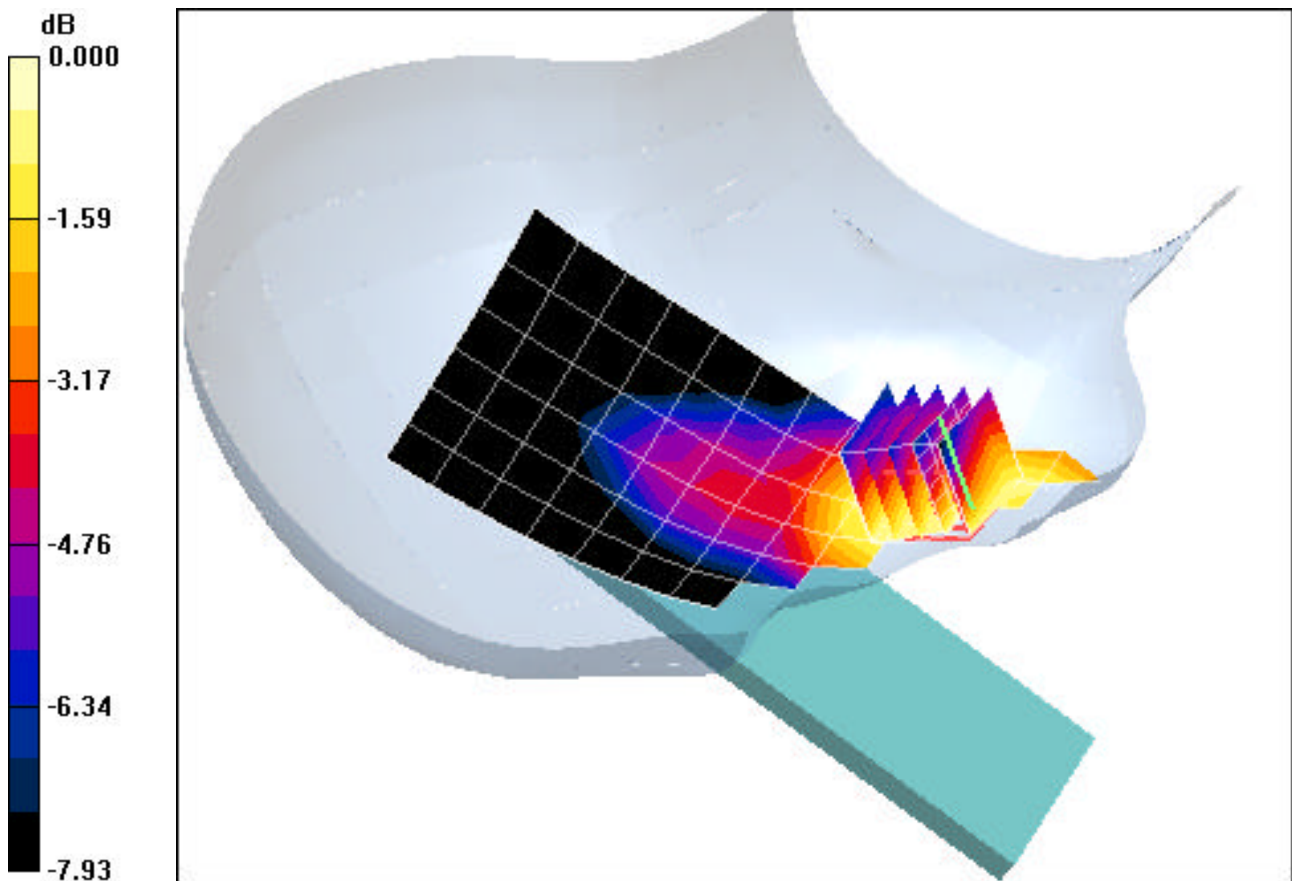
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.45 V/m

Peak SAR (extrapolated) = 0.045 W/kg

SAR(1 g) = 0.034 mW/g; SAR(10 g) = 0.027 mW/g



0 dB = 0.038mW/g

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Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.56$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-12-2007; Ambient Temp: 23.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: WCDMA850, Left Head, Touch, Mid.ch

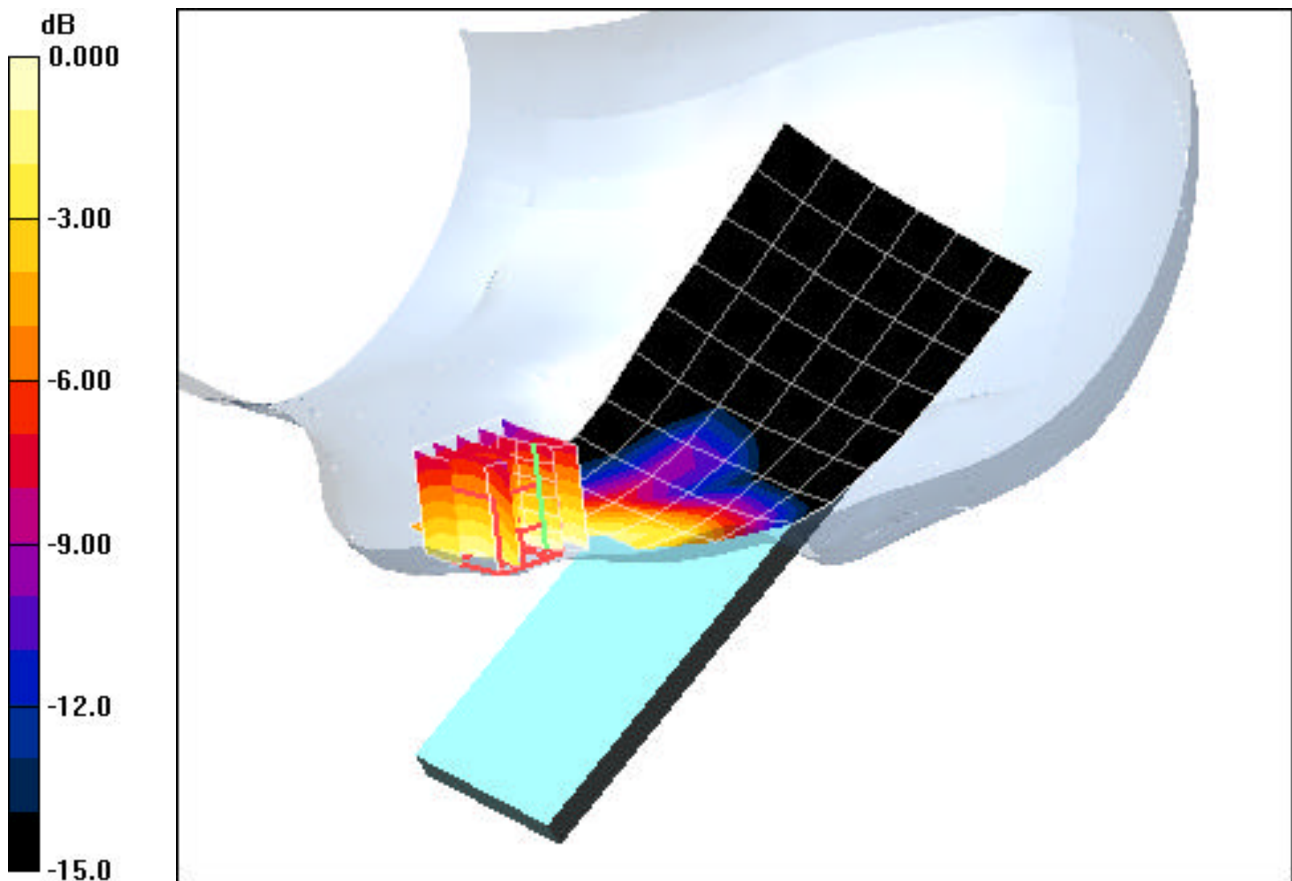
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 1.58 V/m

Peak SAR (extrapolated) = 0.287 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.136 mW/g



0 dB = 0.234mW/g

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DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 835 Brain ($\sigma = 0.91$ mho/m, $\epsilon_r = 41.56$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-12-2007; Ambient Temp: 23.3°C; Tissue Temp: 21.9°C

Probe: EX3DV4 - SN3550; ConvF(7.98, 7.98, 7.98); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: WCDMA850, Left Head, Tilt, Mid.ch

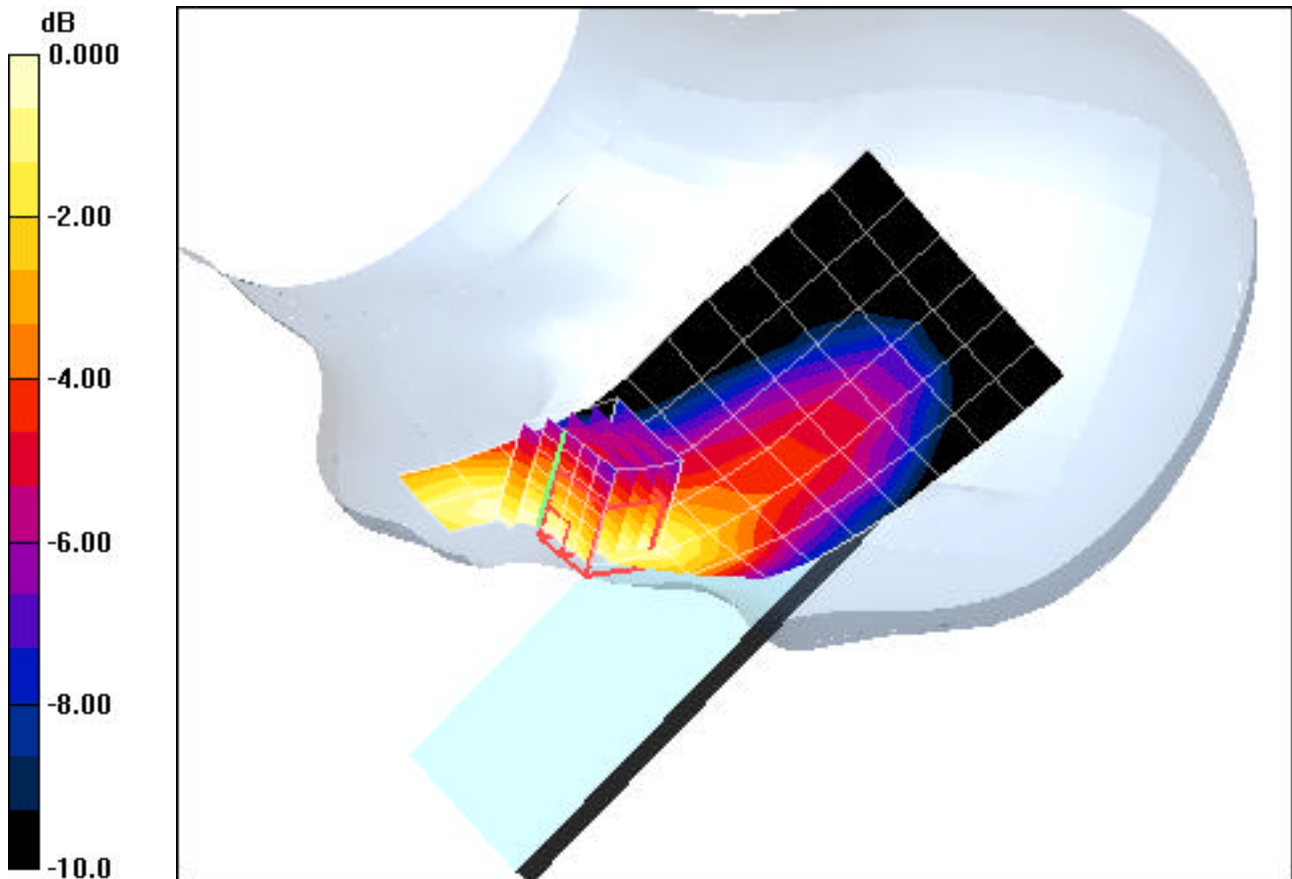
Area Scan (7x15x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.75 V/m

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.030 mW/g



0 dB = 0.045mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: GSM1900, Right Head, Touch, Mid.ch.

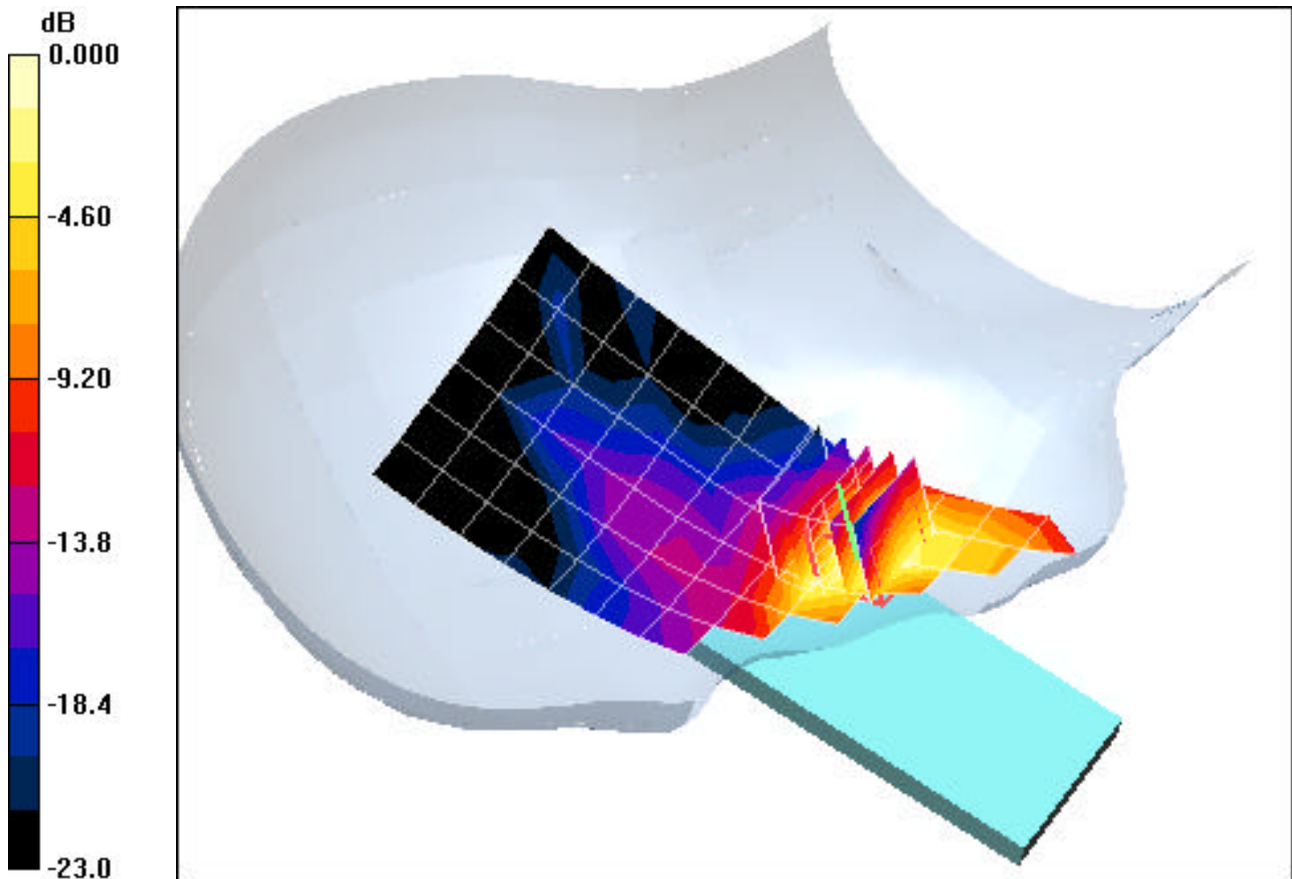
Area Scan (7x16x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 1.44 V/m

Peak SAR (extrapolated) = 0.326 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.098 mW/g



0 dB = 0.207mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Right Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: GSM 1900, Right Head, Tilt, Mid.ch

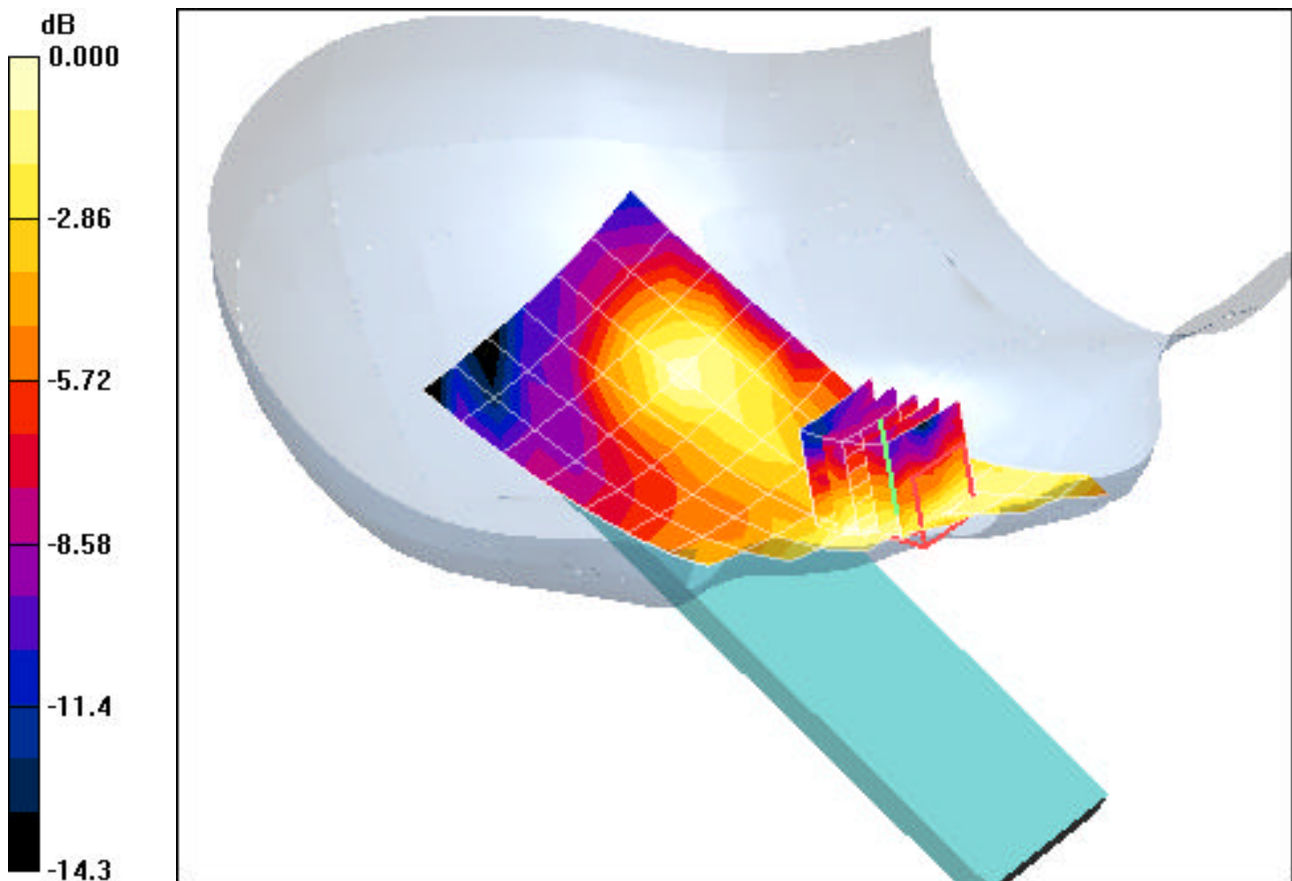
Area Scan (7x16x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 1.90 V/m

Peak SAR (extrapolated) = 0.026 W/kg

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.012 mW/g



0 dB = 0.020mW/g

PCTEST ENGINEERING LABORATORY, INC.

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Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: GSM1900, Left Head, Touch, Mid.ch.

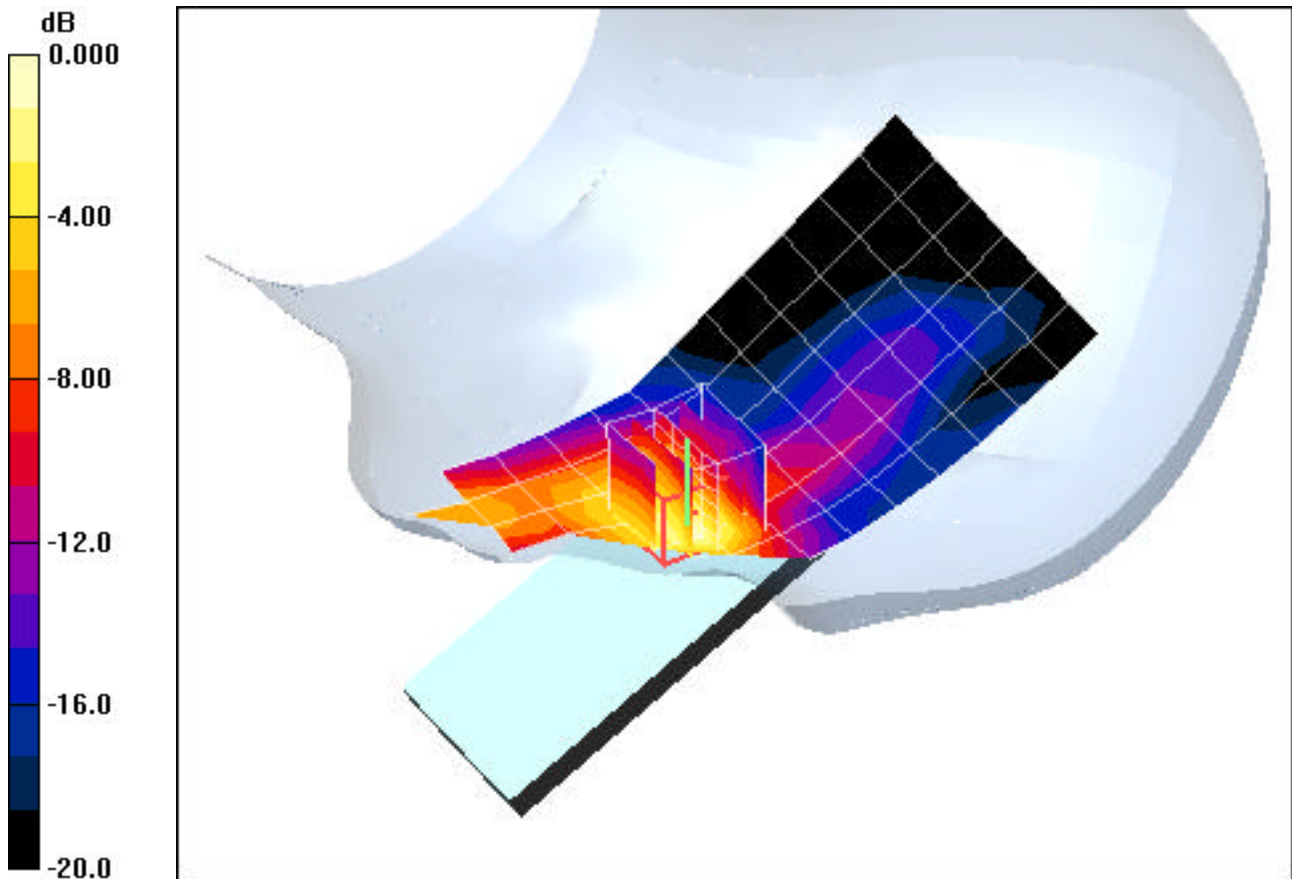
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 2.06 V/m

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.171 mW/g; SAR(10 g) = 0.101 mW/g



0 dB = 0.203mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: GSM1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: 1900 Brain ($\sigma = 1.45$ mho/m, $\epsilon_r = 38.60$, $\rho = 1000$ kg/m³)

Phantom section: Left Section

Test Date: 3-13-2007; Ambient Temp: 22.7°C; Tissue Temp: 21.6°C

Probe: EX3DV4 - SN3550; ConvF(6.74, 6.74, 6.74); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: GSM1900, Left Head, Tilt, Mid.ch

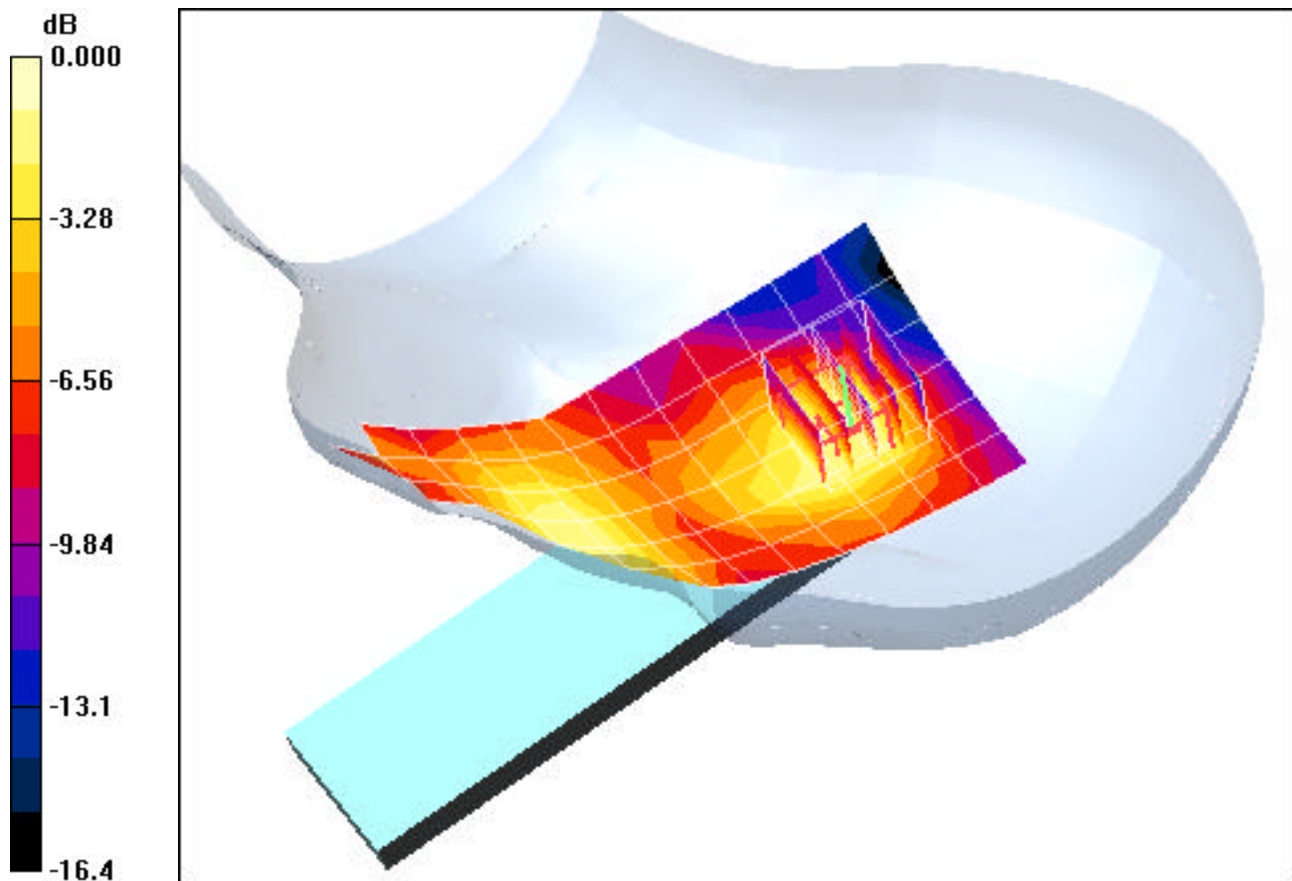
Area Scan (7x14x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 4.04 V/m

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.015 mW/g



0 dB = 0.028mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: WCDMA850; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: 835 Muscle ($\sigma = 0.98$ mho/m, $\epsilon_r = 52.59$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-12-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3550; ConvF(7.87, 7.87, 7.87); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: WCDMA850, Body SAR, Mid.ch.

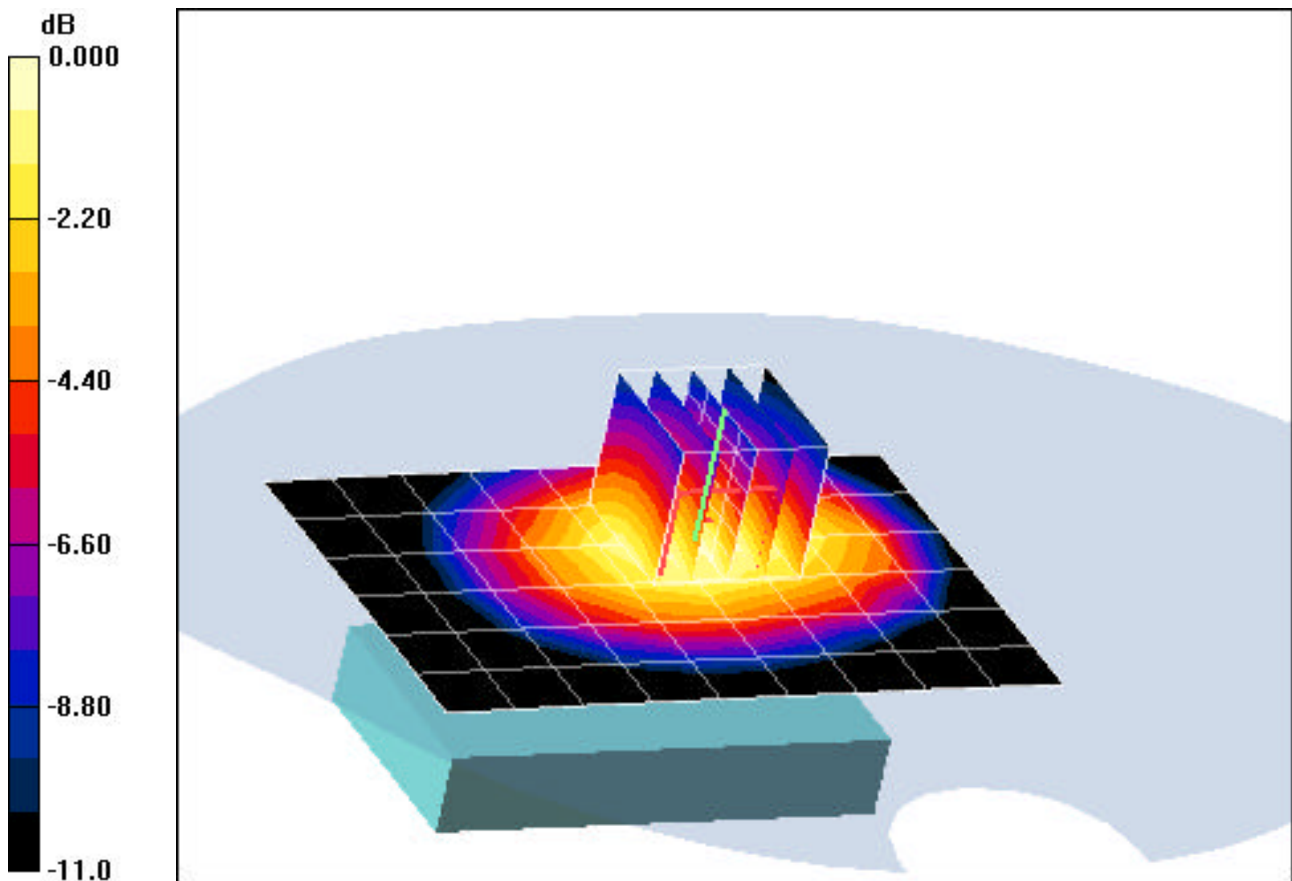
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 12.7 V/m

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.195 mW/g



0 dB = 0.322mW/g

PCTEST ENGINEERING LABORATORY, INC.

DUT: SGH-A711; Type: WCDMA Dual Band Phone; Serial: SAR #1

Communication System: GSM1900 GPRS; 4 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 54.34$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-13-2007; Ambient Temp: 22.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3550; ConvF(6.61, 6.61, 6.61); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: GSM1900, GPRS 1down/4up, Body SAR, Mid.ch

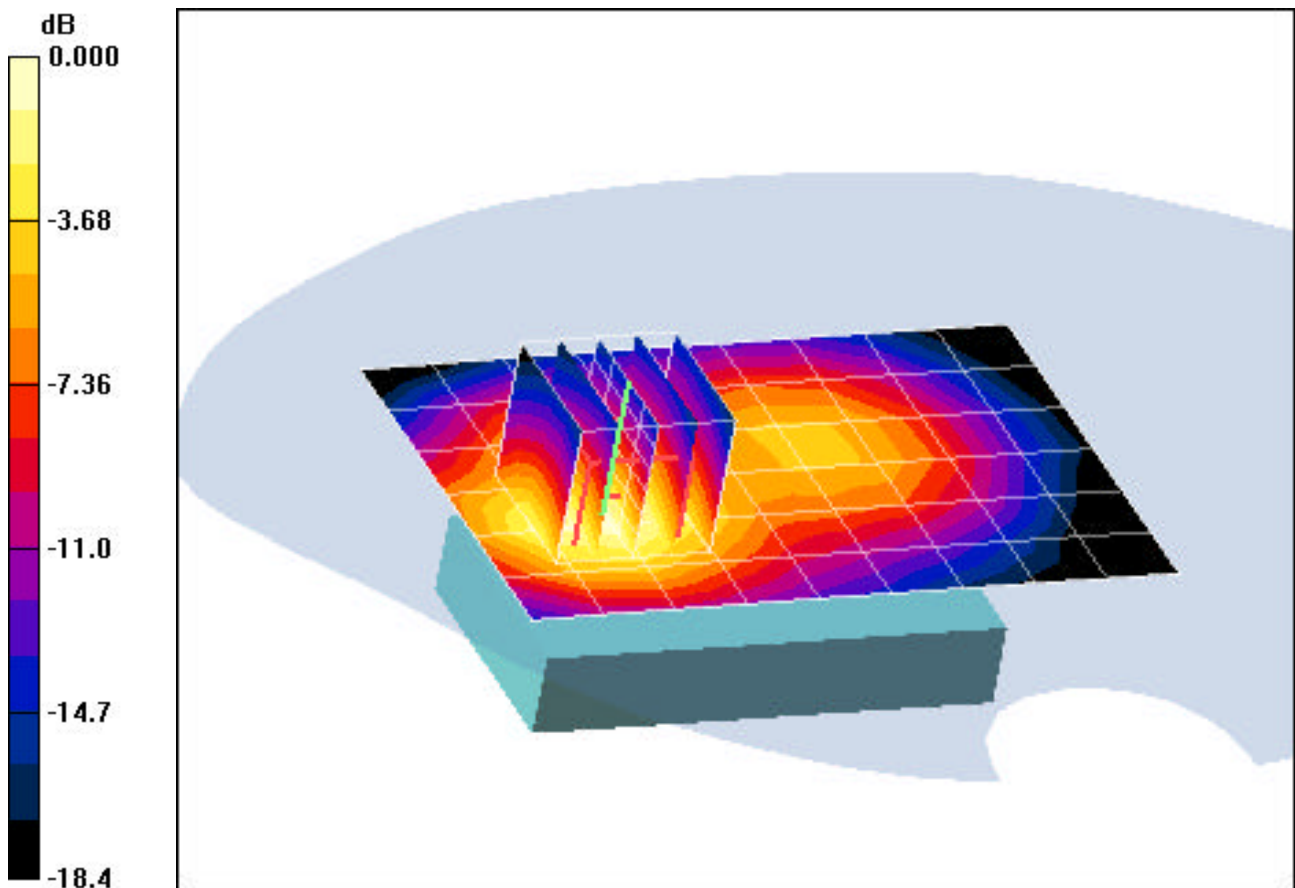
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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

Reference Value = 7.70 V/m

Peak SAR (extrapolated) = 0.677 W/kg

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.222 mW/g



0 dB = 0.486mW/g

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Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-12-2007; Ambient Temp: 23.2°C; Tissue Temp: 21.8°C

Probe: EX3DV4 - SN3550; ConvF(7.87, 7.87, 7.87); Calibrated: 1/22/2007

Sensor-Surface: 3mm (Mechanical Surface Detection)

Electronics: DAE4 Sn665; Calibrated: 9/4/2006

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

Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

Mode: WCDMA850, Body SAR, Mid.ch.

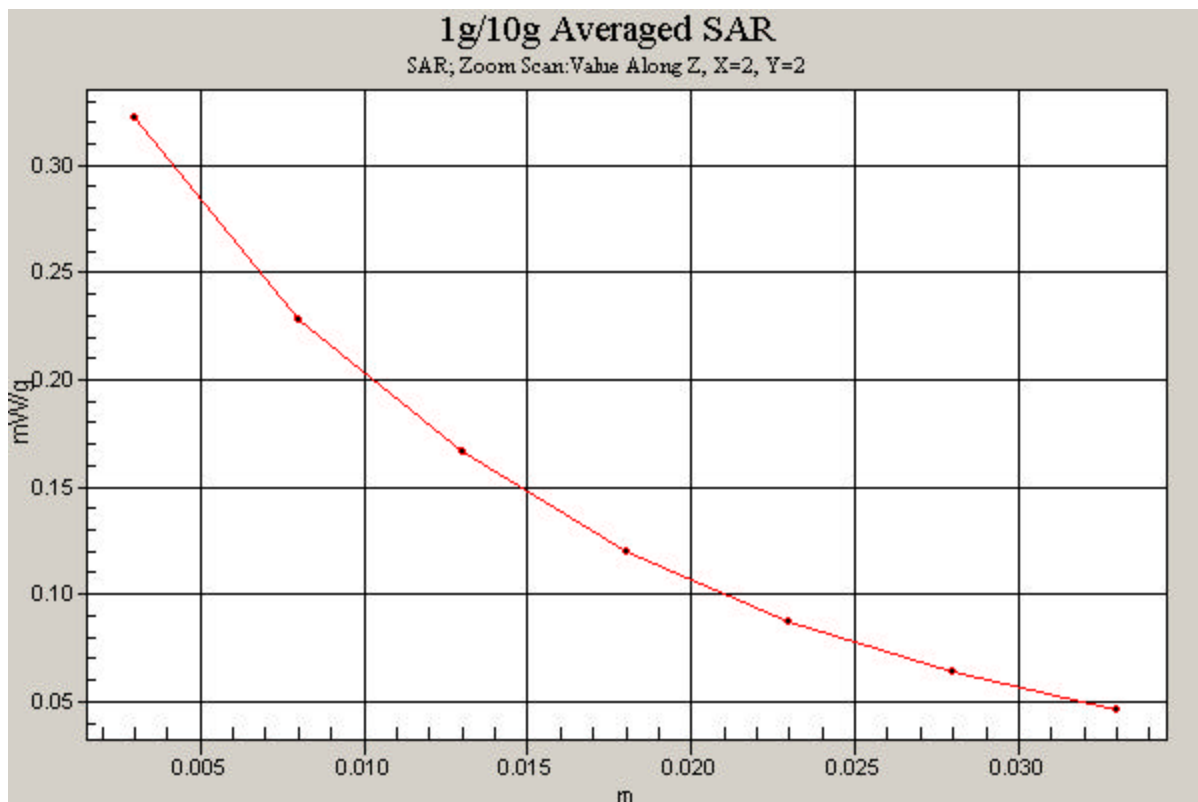
Area Scan (7x10x1): Measurement grid: dx=15mm, dy=15mm

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Reference Value = 12.7 V/m

Peak SAR (extrapolated) = 0.403 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.195 mW/g



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Communication System: GSM1900 GPRS; 4 Tx slots; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: 1900 Muscle ($\sigma = 1.58$ mho/m, $\epsilon_r = 54.34$, $\rho = 1000$ kg/m³)

Phantom section: Flat Section; Space: 1.5 cm

Test Date: 3-13-2007; Ambient Temp: 22.6°C; Tissue Temp: 21.5°C

Probe: EX3DV4 - SN3550; ConvF(6.61, 6.61, 6.61); Calibrated: 1/22/2007

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