

Attachment 1. – Dipole Validation Plots

DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.878 \text{ mho/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Dipole Validation

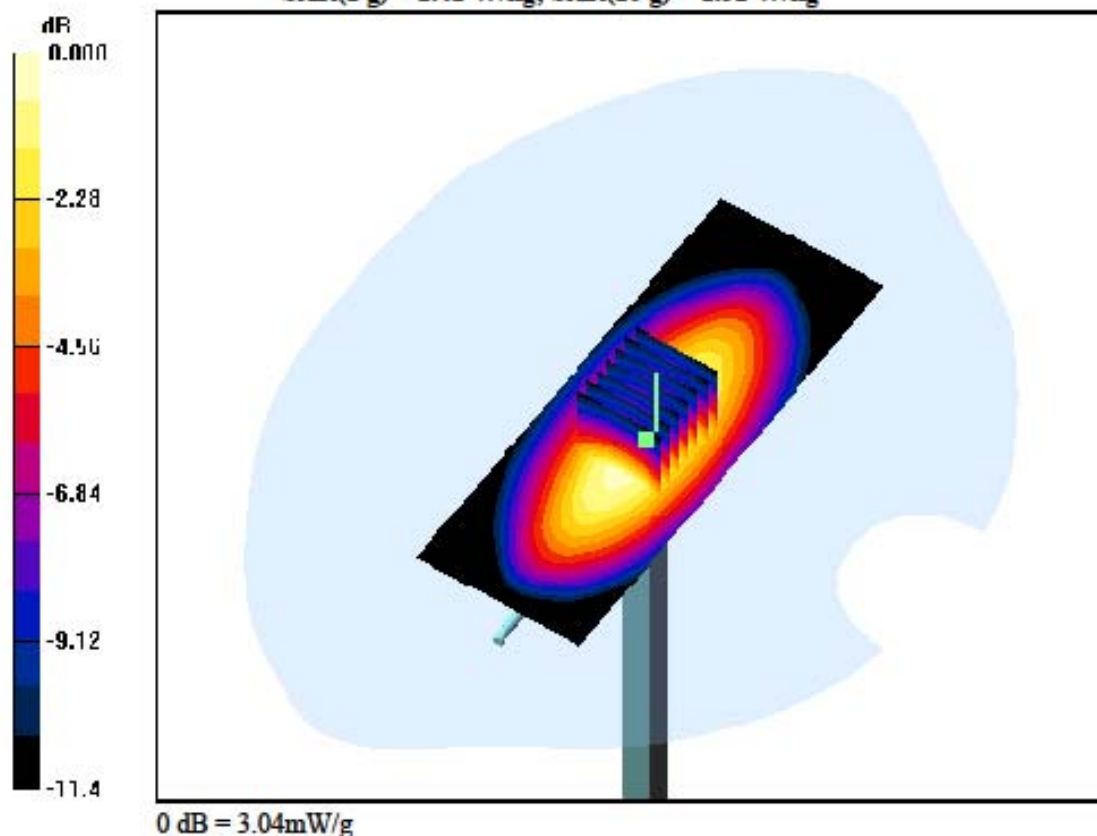
Area Scan (41x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.024 dB

Peak SAR (extrapolated) = 3.90 W/kg

SAR(1 g) = 2.42 W/kg; SAR(10 g) = 1.52 W/kg



DIGITAL EMC CO., LTD**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.958 \text{ mho/m}$; $\epsilon_r = 54.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

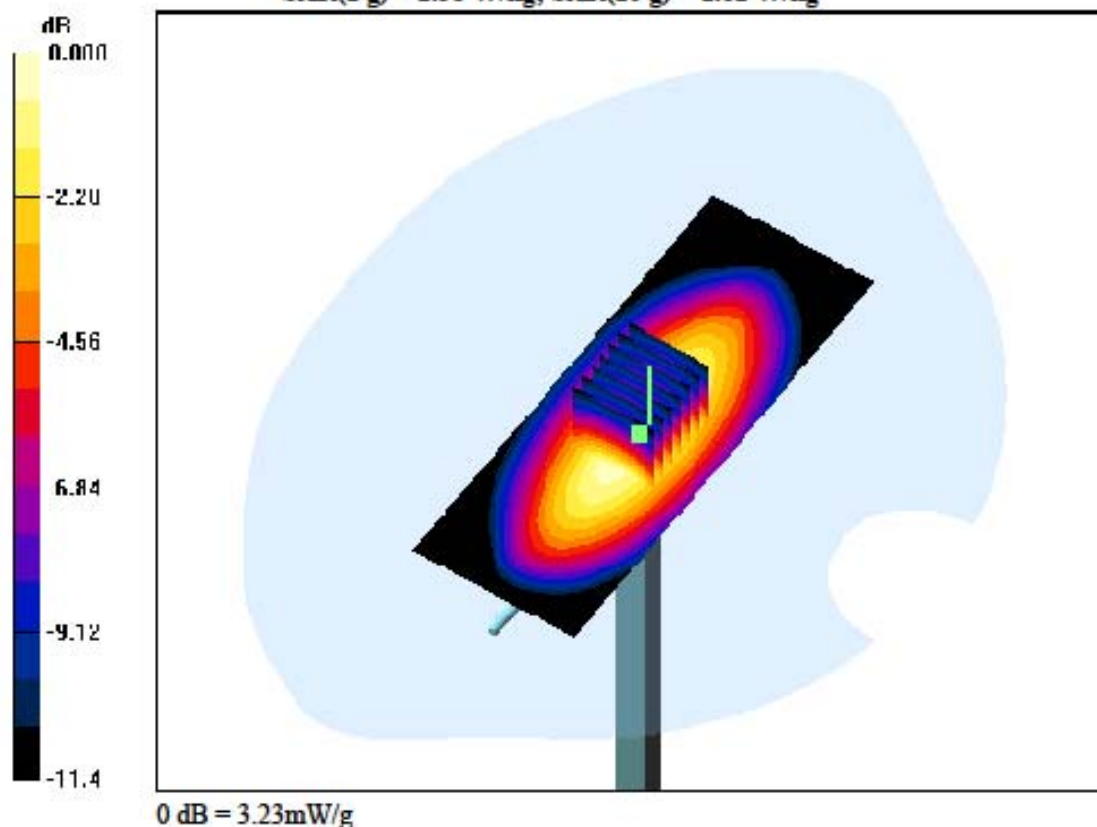
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Dipole Validation**Area Scan (41x111x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.024 dB

Peak SAR (extrapolated) = 4.12 W/kg

SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.62 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.876 \text{ mho/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Dipole Validation

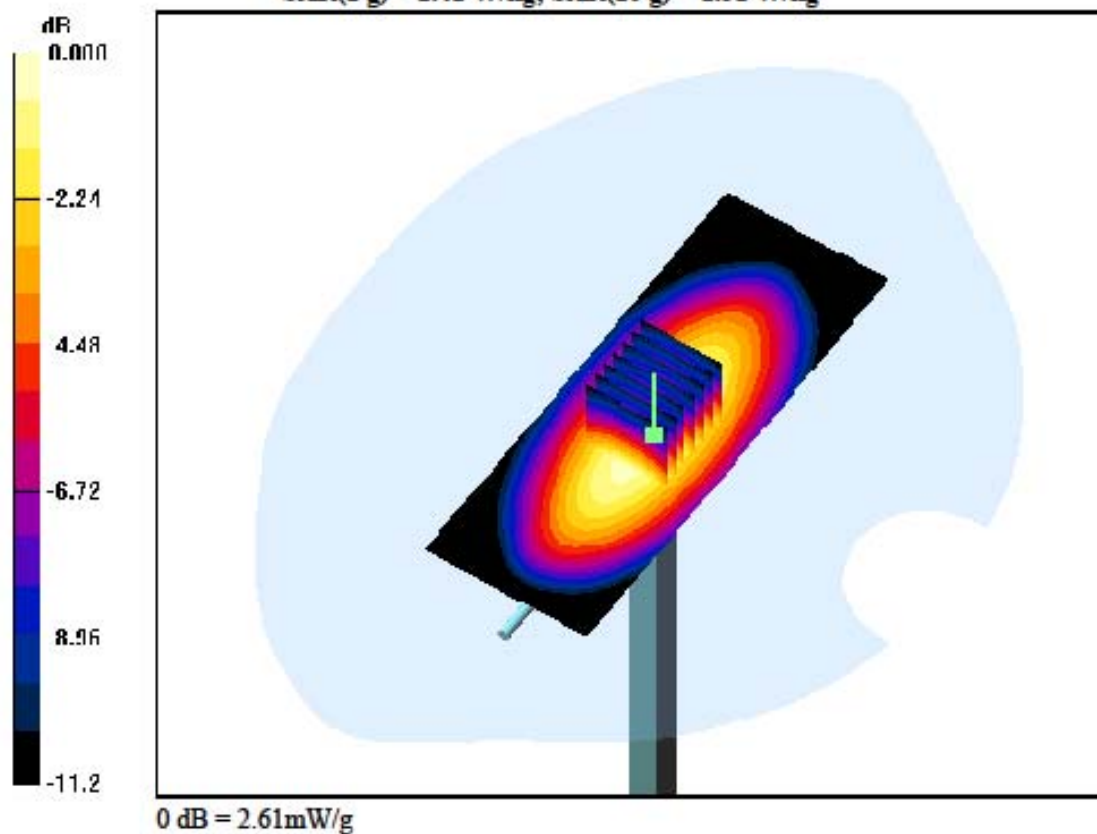
Area Scan (41x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.054 dB

Peak SAR (extrapolated) = 3.84 W/kg

SAR(1 g) = 2.41 W/kg; SAR(10 g) = 1.51 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.957 \text{ mho/m}$; $\epsilon_r = 53$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Dipole Validation

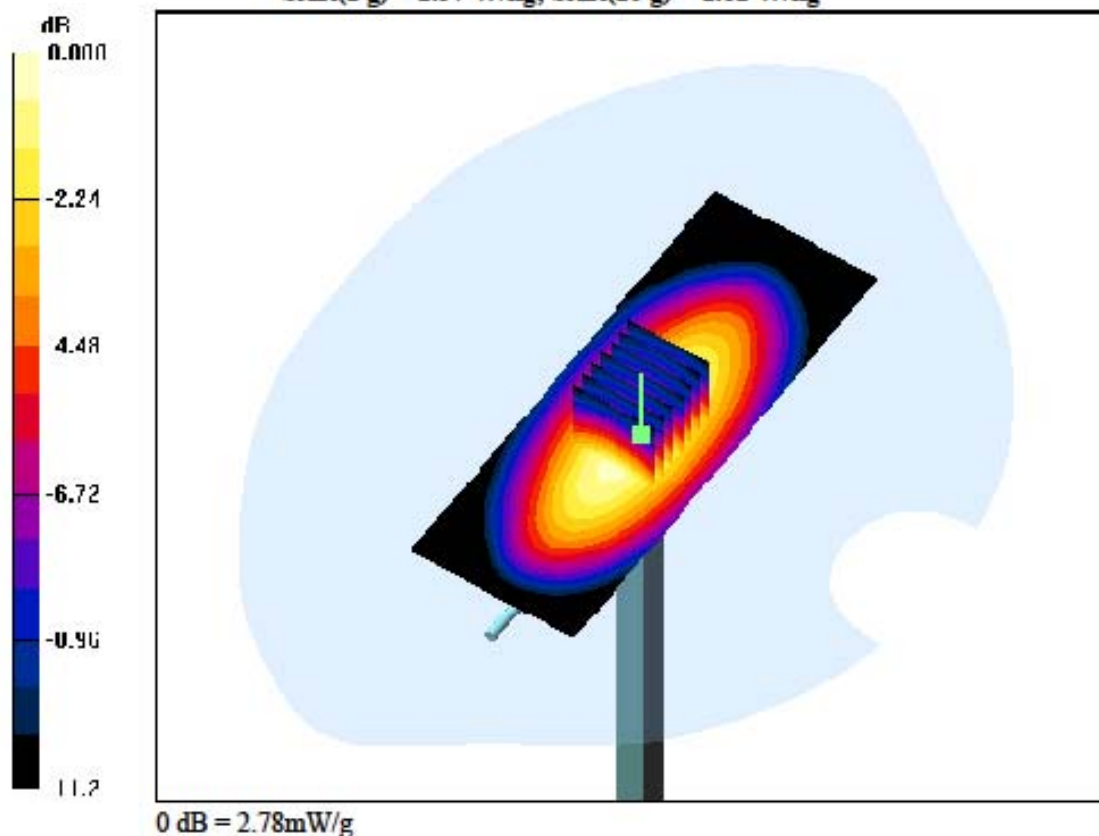
Area Scan (41x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.054 dB

Peak SAR (extrapolated) = 4.08 W/kg

SAR(1 g) = 2.57 W/kg; SAR(10 g) = 1.62 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.45$ mho/m; $\epsilon_r = 39$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Dipole Validation

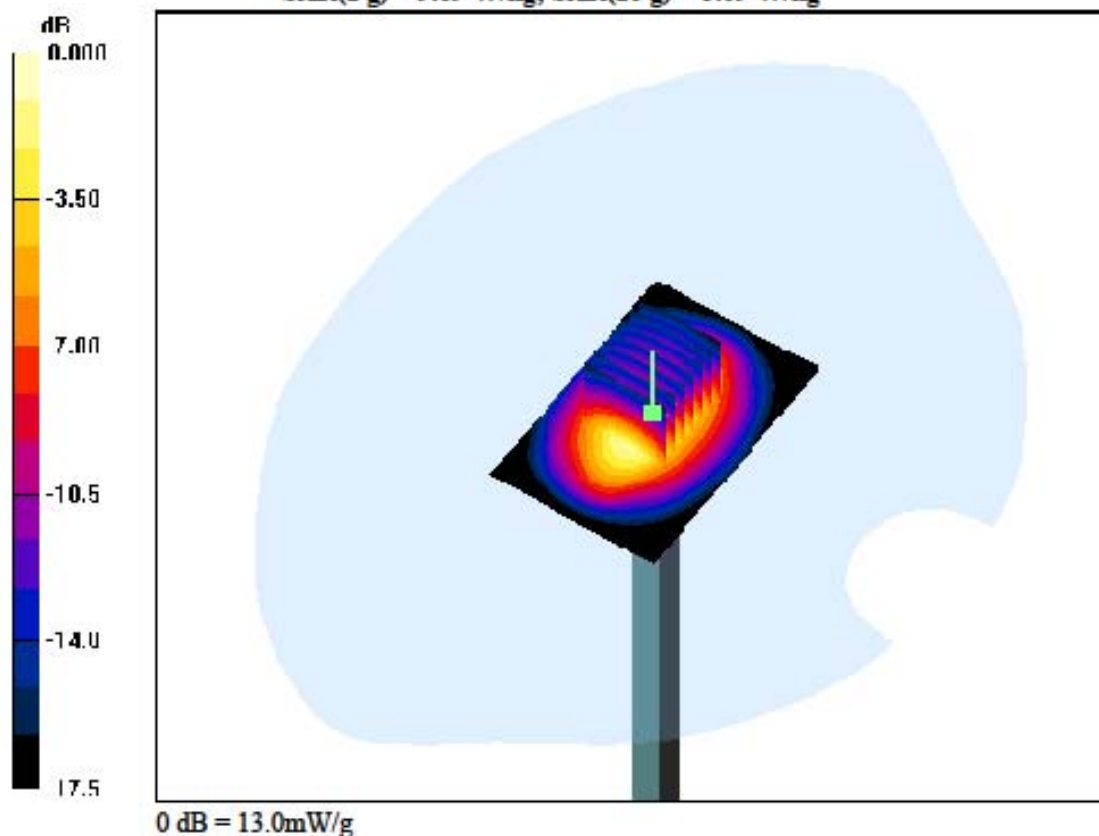
Area Scan (41x61x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Power Drift = 0.021 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.69 W/kg; SAR(10 g) = 5.09 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

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

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 52.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Dipole Validation

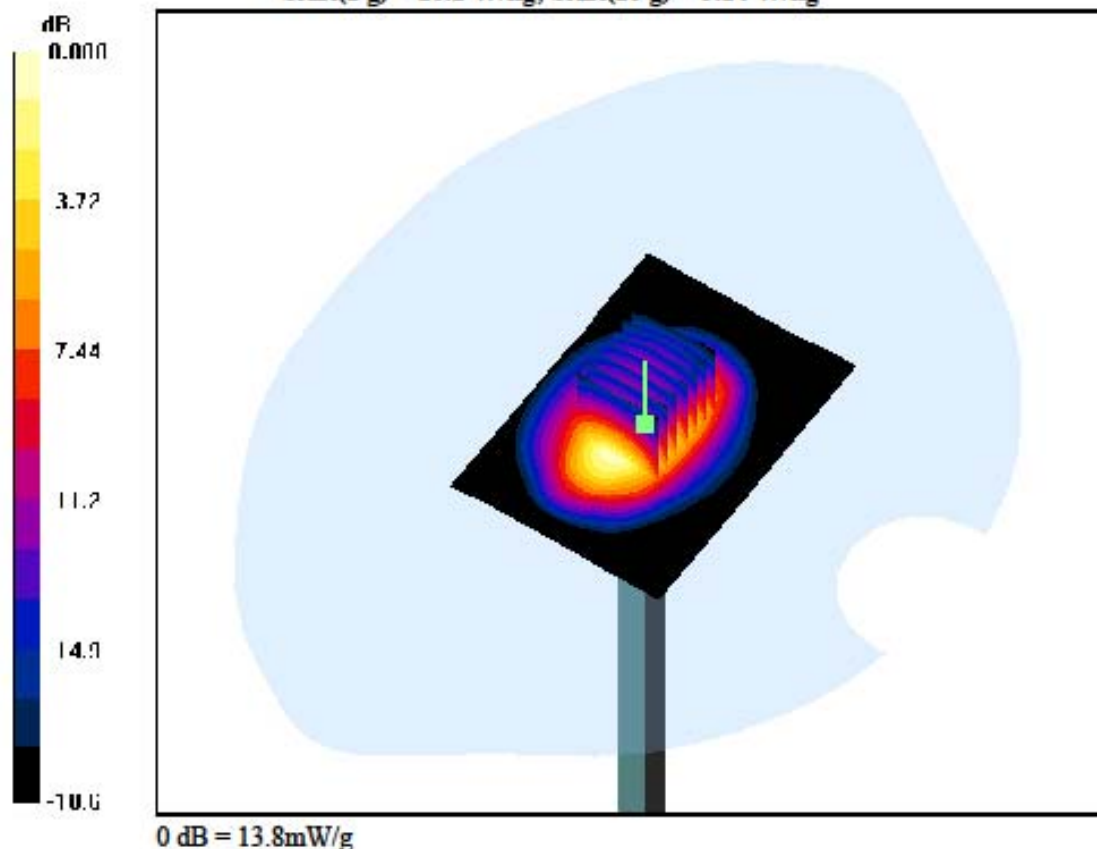
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.129 dB

Peak SAR (extrapolated) = 19.4 W/kg

SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.14 W/kg



DIGITAL EMC CO., LTD**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

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

Medium parameters used: $f = 1900 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

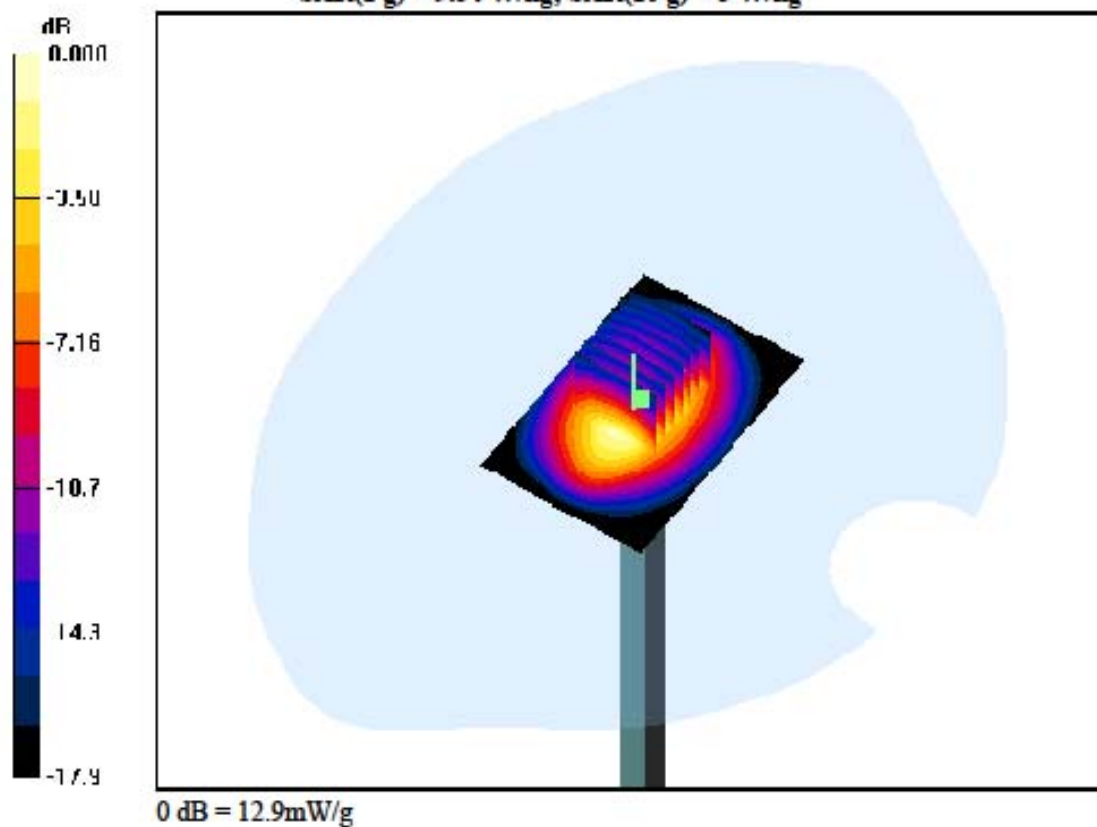
Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Dipole Validation**Area Scan (41x61x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.023 dB

Peak SAR (extrapolated) = 17.7 W/kg

SAR(1 g) = 9.54 W/kg; SAR(10 g) = 5 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Dipole Validation

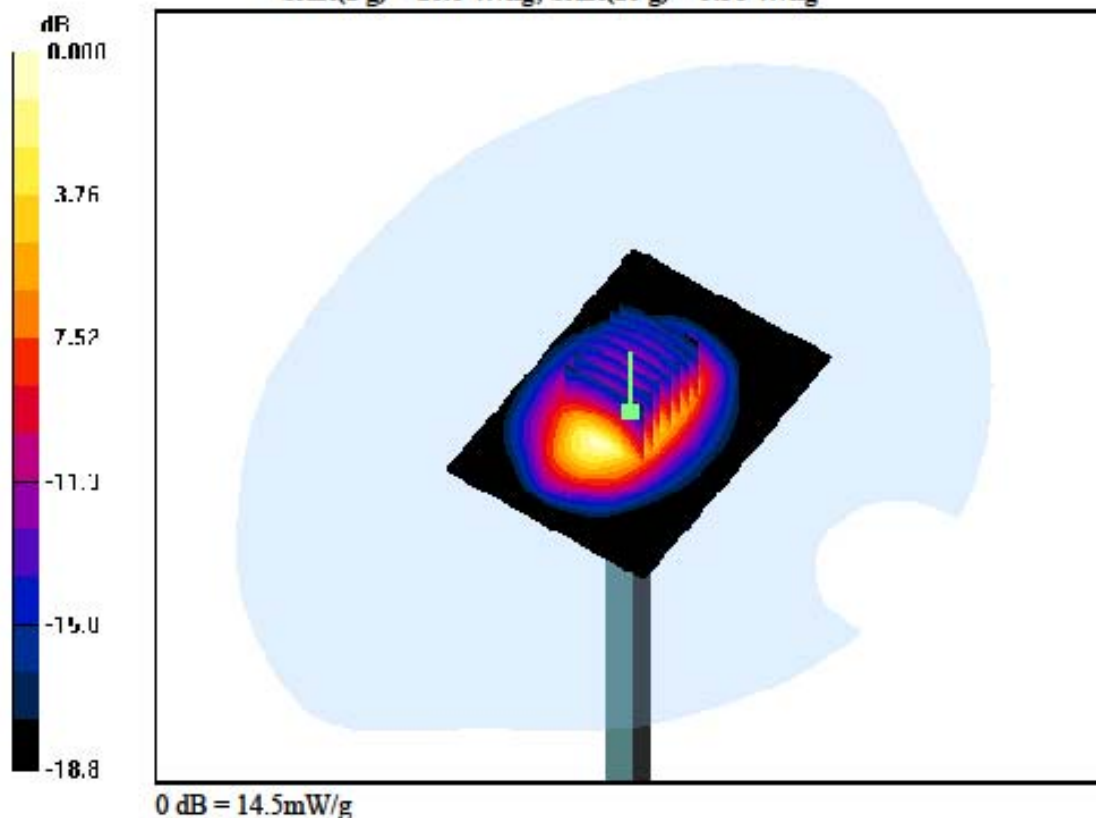
Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Power Drift = -0.146 dB

Peak SAR (extrapolated) = 20.4 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.36 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.85$ mho/m; $\epsilon_r = 38.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Dipole Validation

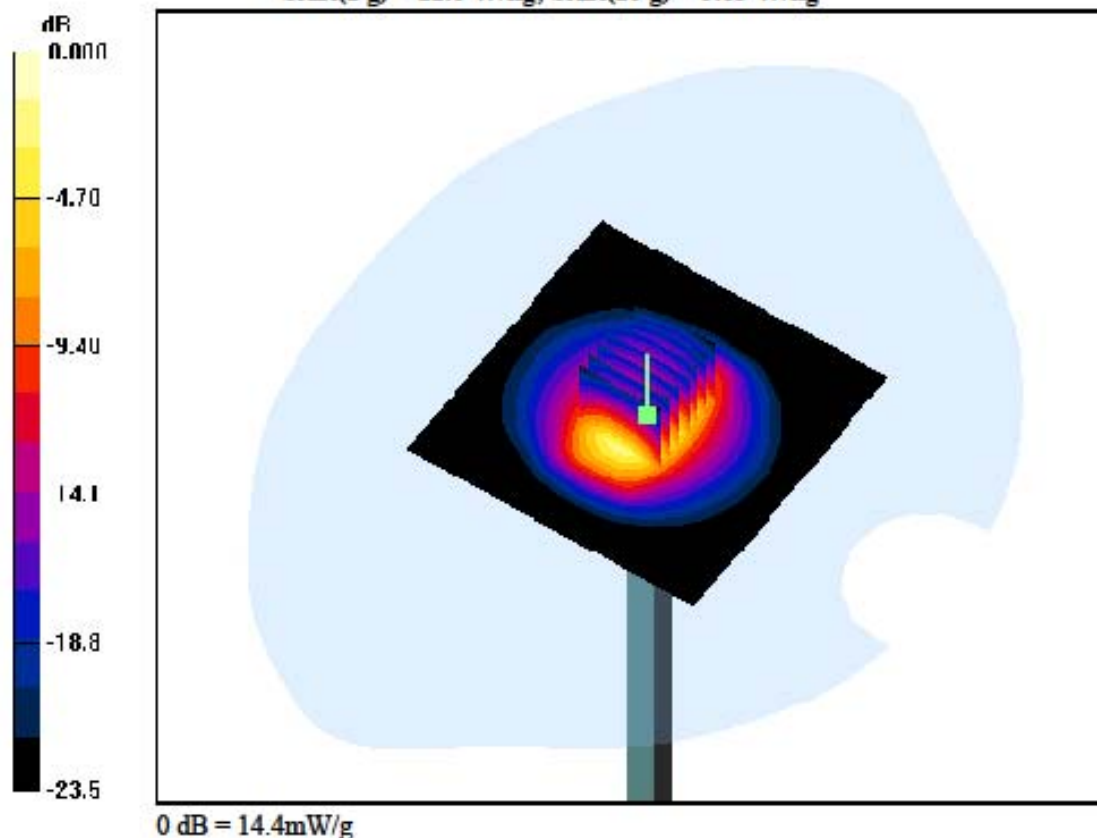
Area Scan (71x71x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Power Drift = 0.067 dB

Peak SAR (extrapolated) = 27.9 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.63 W/kg



DIGITAL EMC CO., LTD**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.99$ mho/m; $\epsilon_r = 51.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(6.95, 6.95, 6.95); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

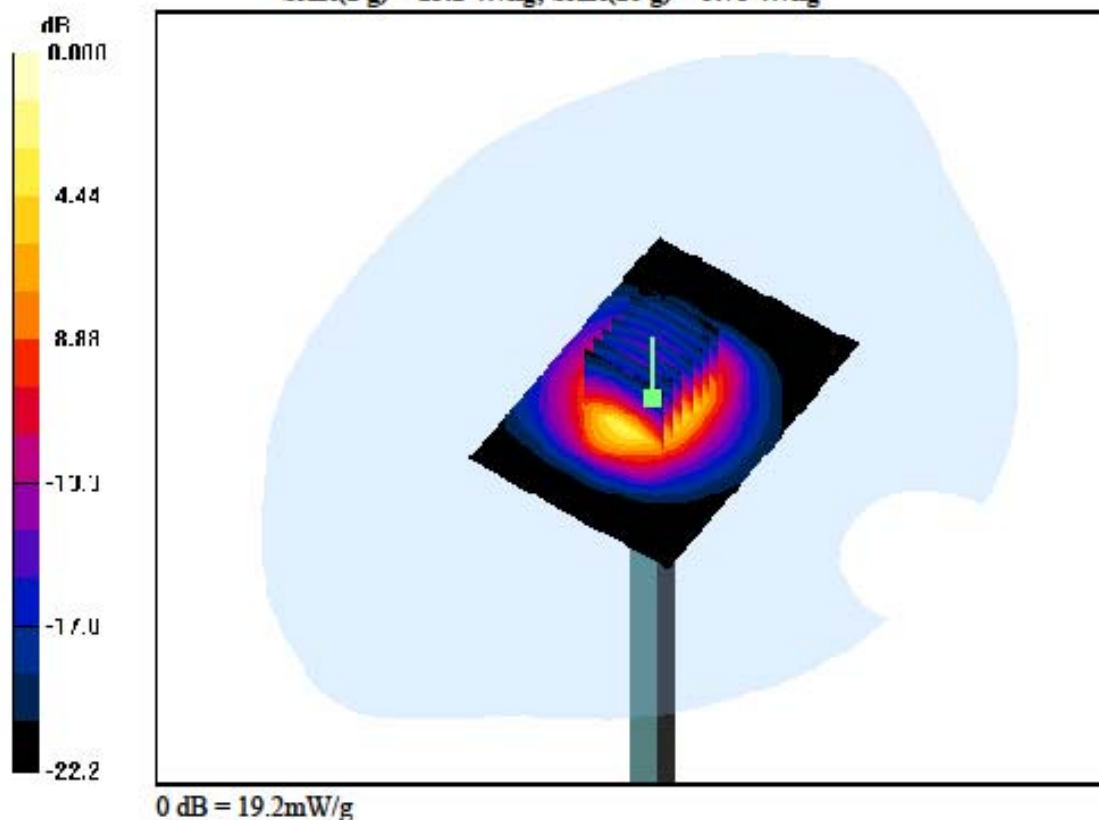
Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Dipole Validation**Area Scan (51x71x1):** Measurement grid: $dx=15$ mm, $dy=15$ mm**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5$ mm, $dy=5$ mm, $dz=5$ mm

Power Drift = 0.008 dB

Peak SAR (extrapolated) = 30.4 W/kg

SAR(1 g) = 13.2 W/kg; SAR(10 g) = 5.78 W/kg



Attachment 2. – SAR Test Plots

DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 824.333$ MHz; $\sigma = 0.868$ mho/m; $\epsilon_r = 43$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

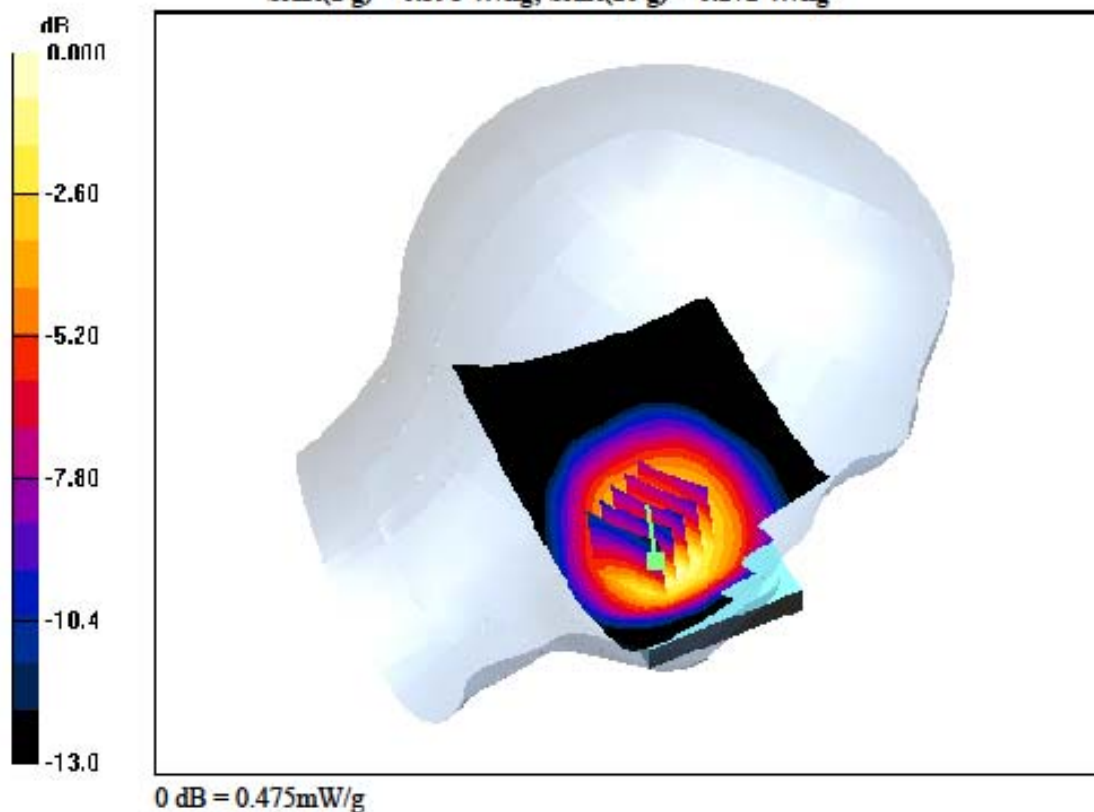
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Left Touch, GSM850 Ch. 128, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.398 W/kg; SAR(10 g) = 0.272 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

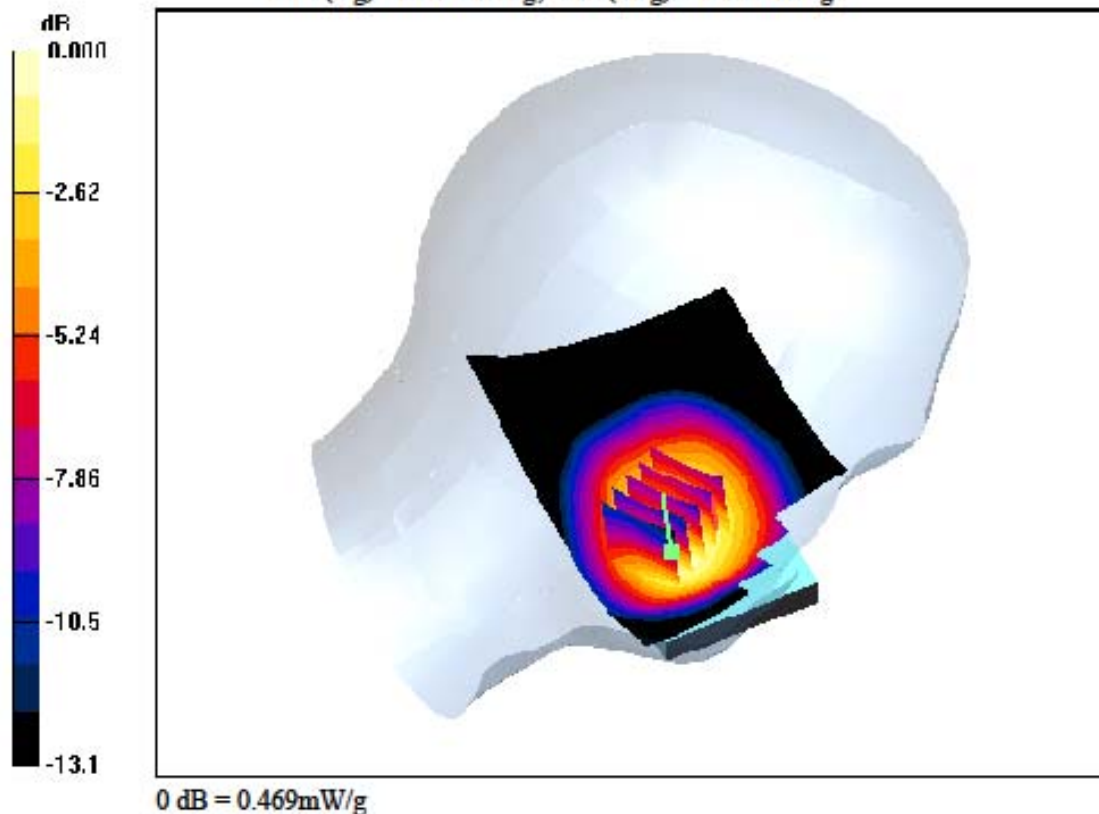
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.014 dB

Peak SAR (extrapolated) = 0.586 W/kg

SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.277 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 42.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

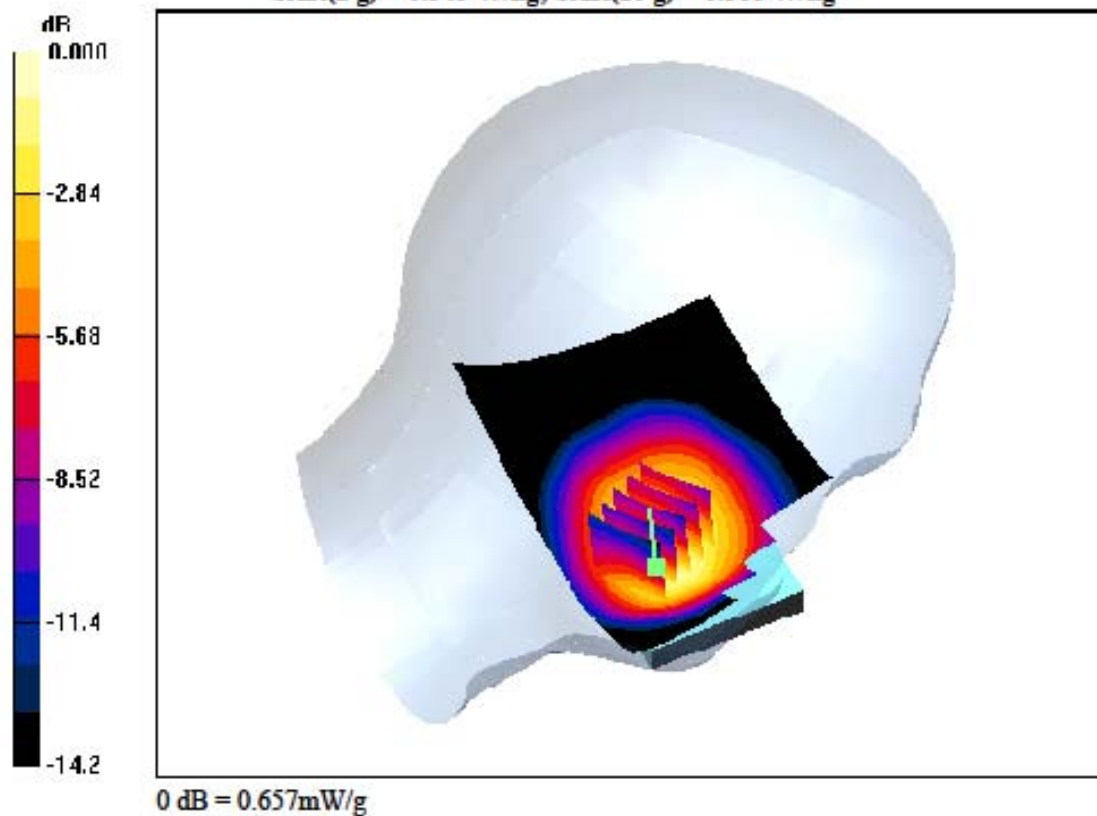
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Left Touch, GSM850 Ch. 251, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.823 W/kg

SAR(1 g) = 0.545 W/kg; SAR(10 g) = 0.366 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

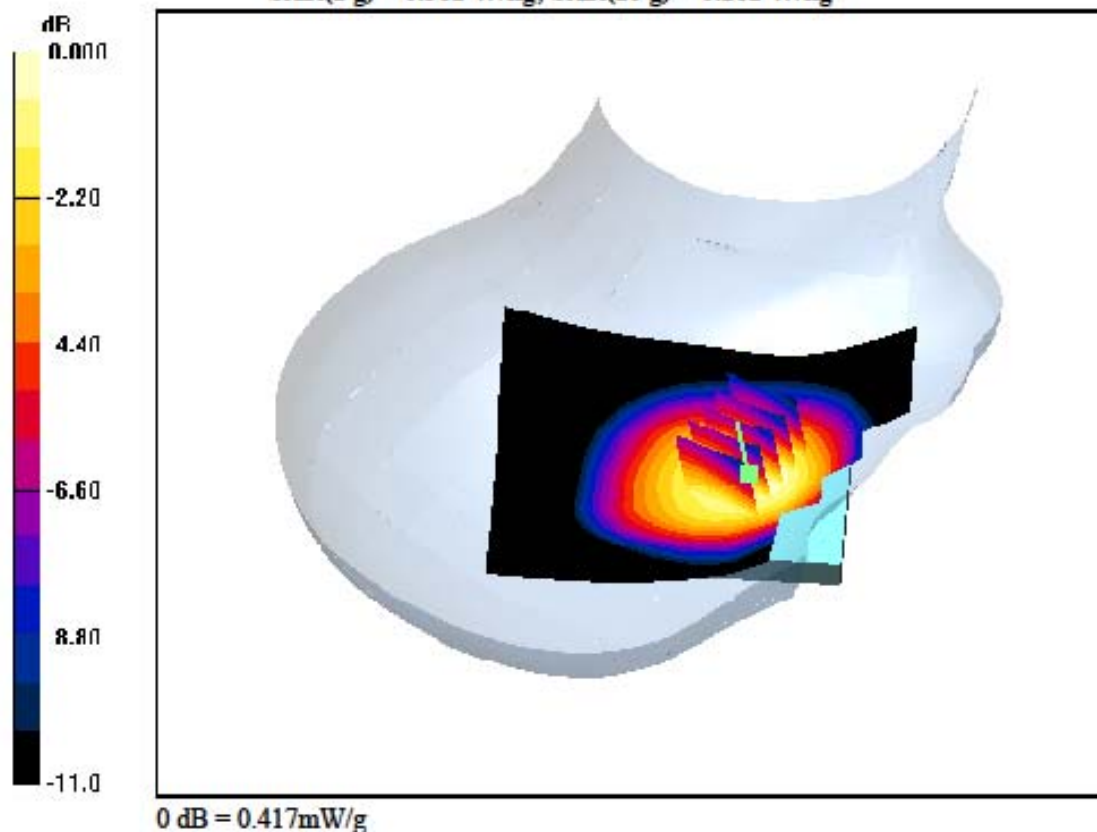
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.262 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.88$ mho/m; $\epsilon_r = 42.9$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

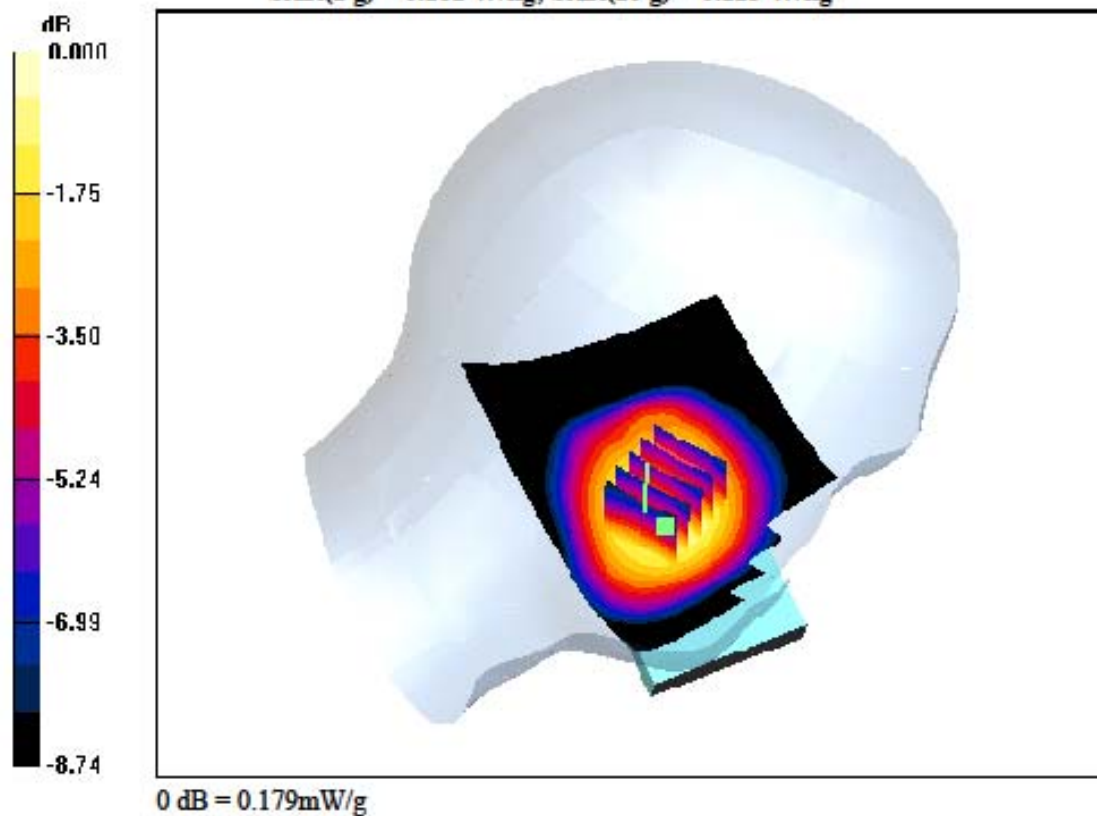
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Left Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.001 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.161 W/kg; SAR(10 g) = 0.123 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.667 \text{ MHz}$; $\sigma = 0.88 \text{ mho/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

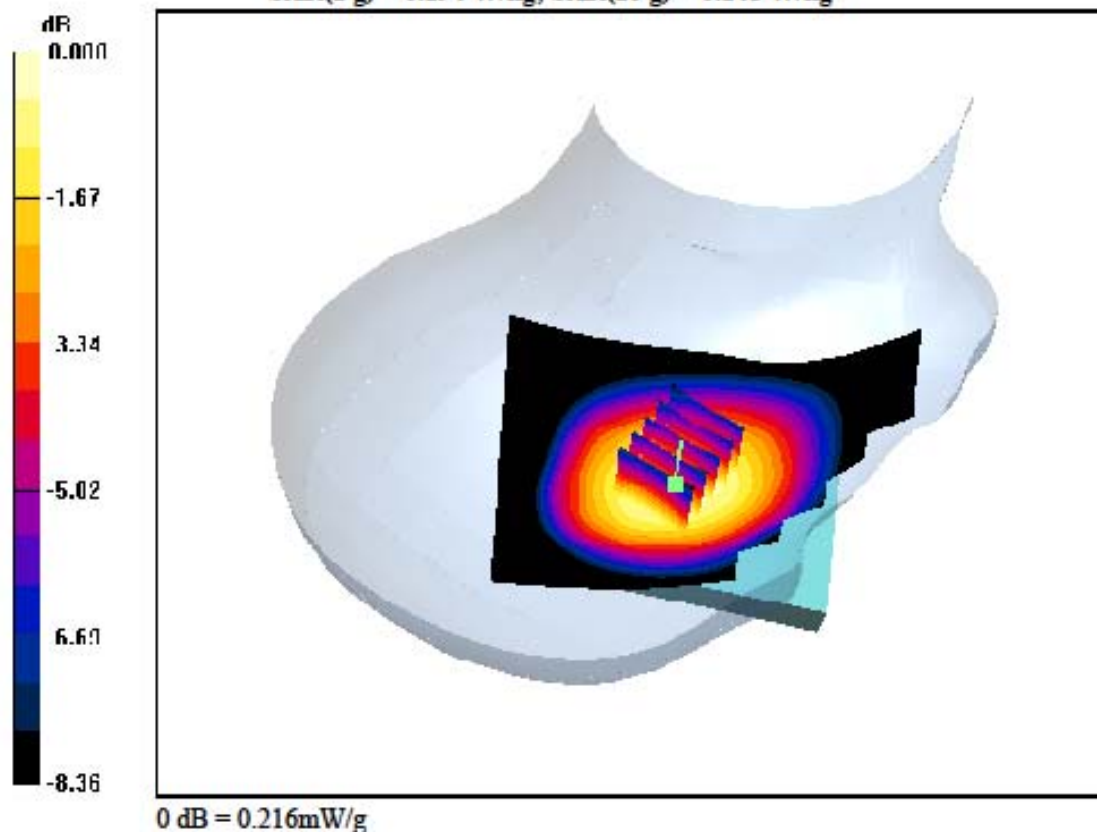
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

Right Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.148 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.33$ MHz; $\sigma = 1.4$ mho/m; $\epsilon_r = 39.2$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Left Touch, PCS1900 Ch. 512, Ant Internal, Standard Battery

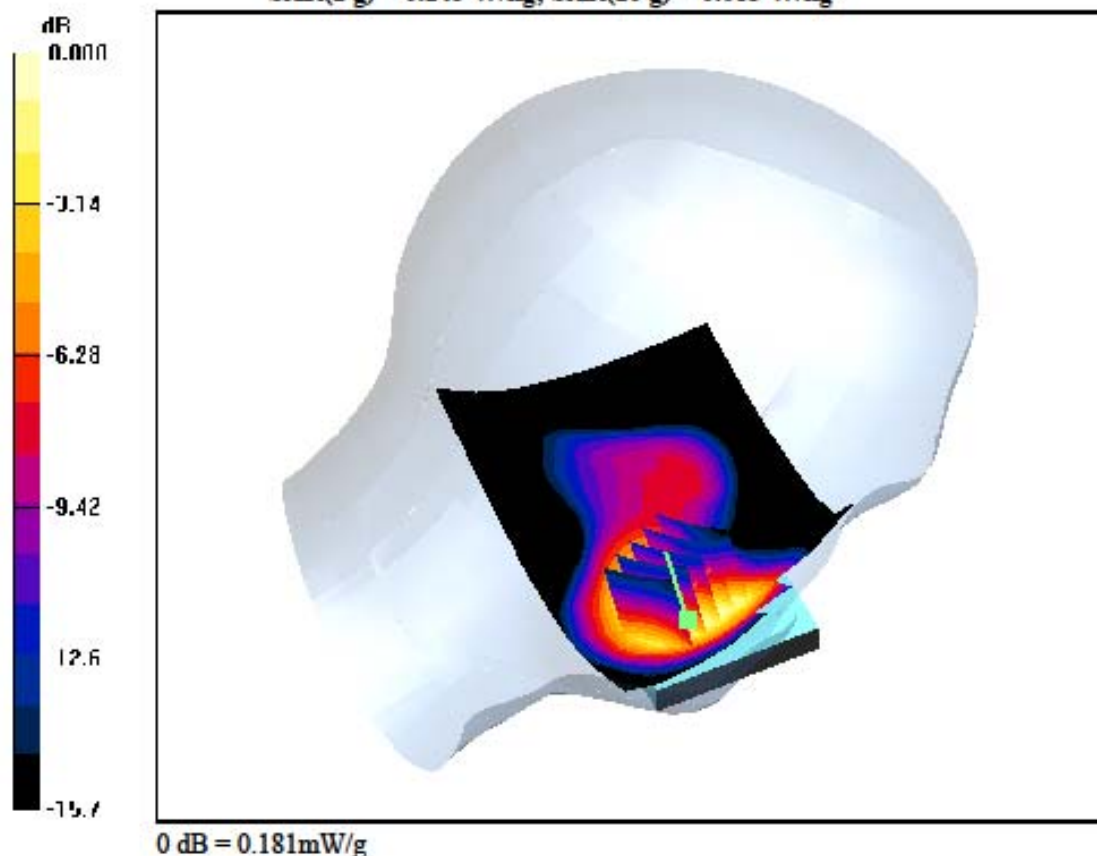
Area Scan (71x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.243 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.083 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Left Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery

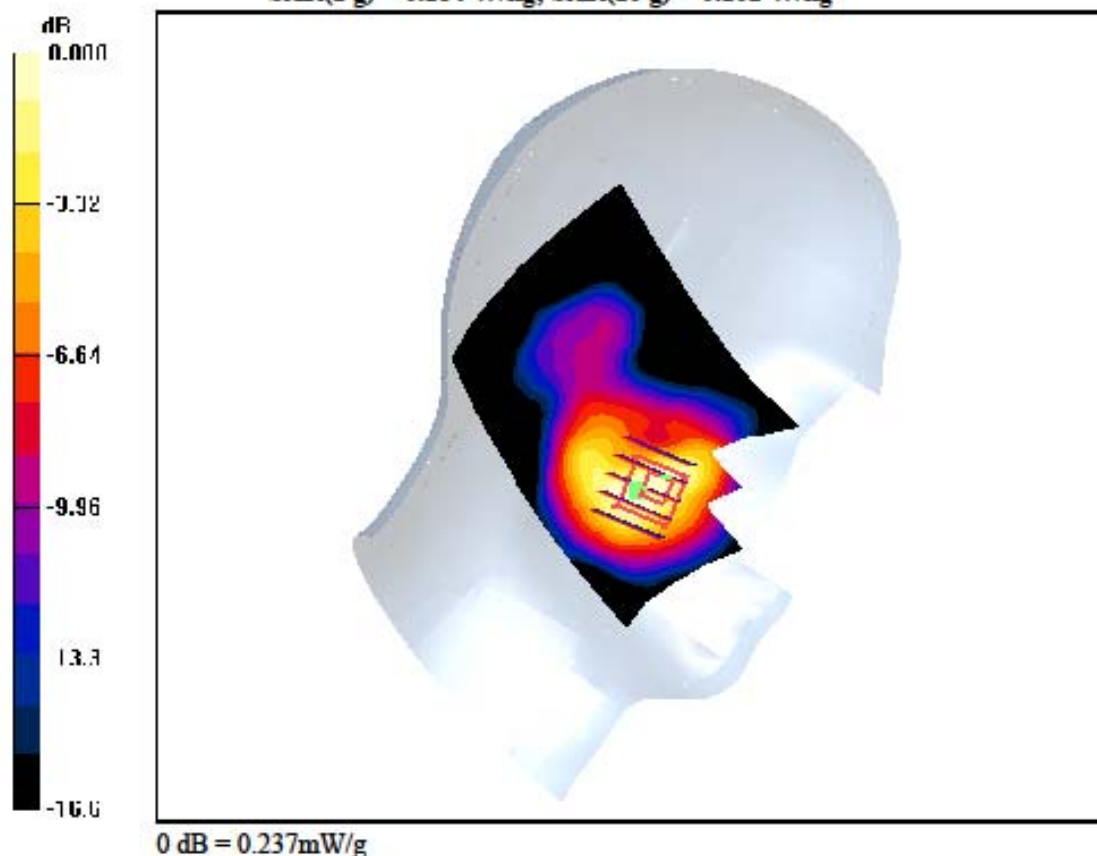
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.078 dB

Peak SAR (extrapolated) = 0.325 W/kg

SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.102 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.46 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

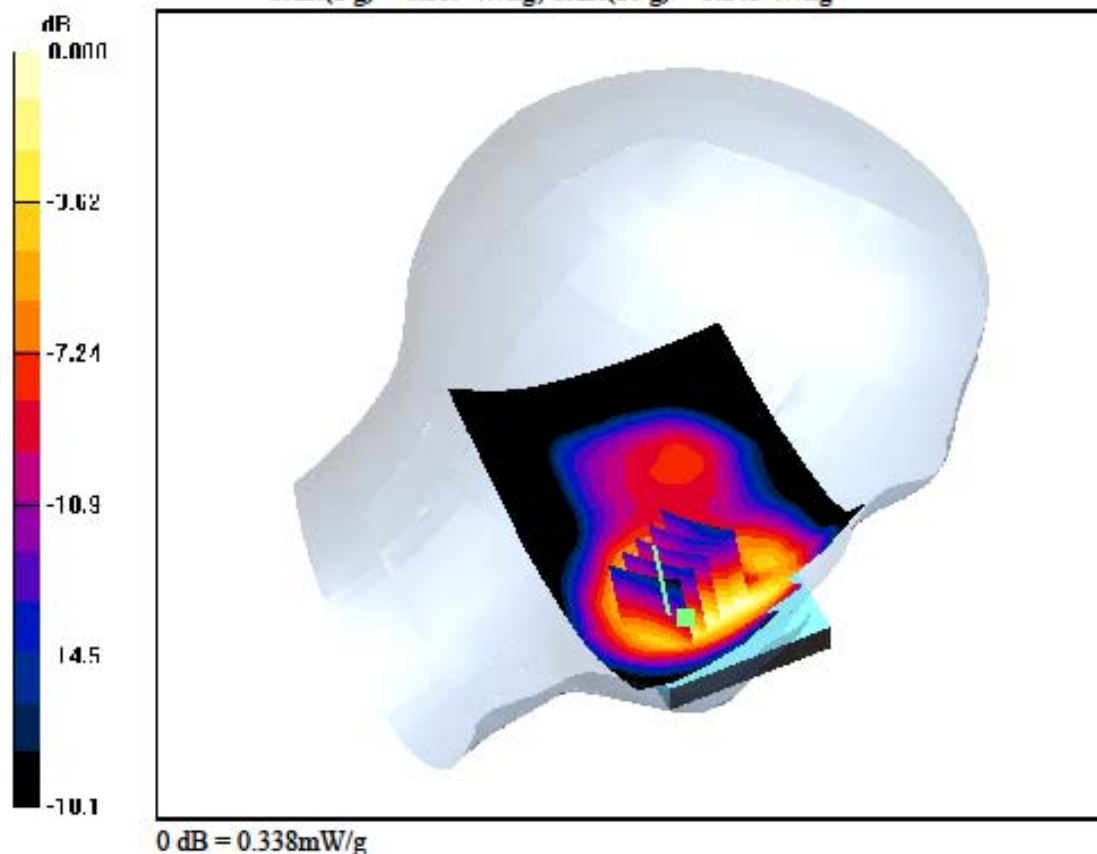
Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Left Touch, PCS1900 Ch. 810, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.192 dB

Peak SAR (extrapolated) = 0.450 W/kg

SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.148 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

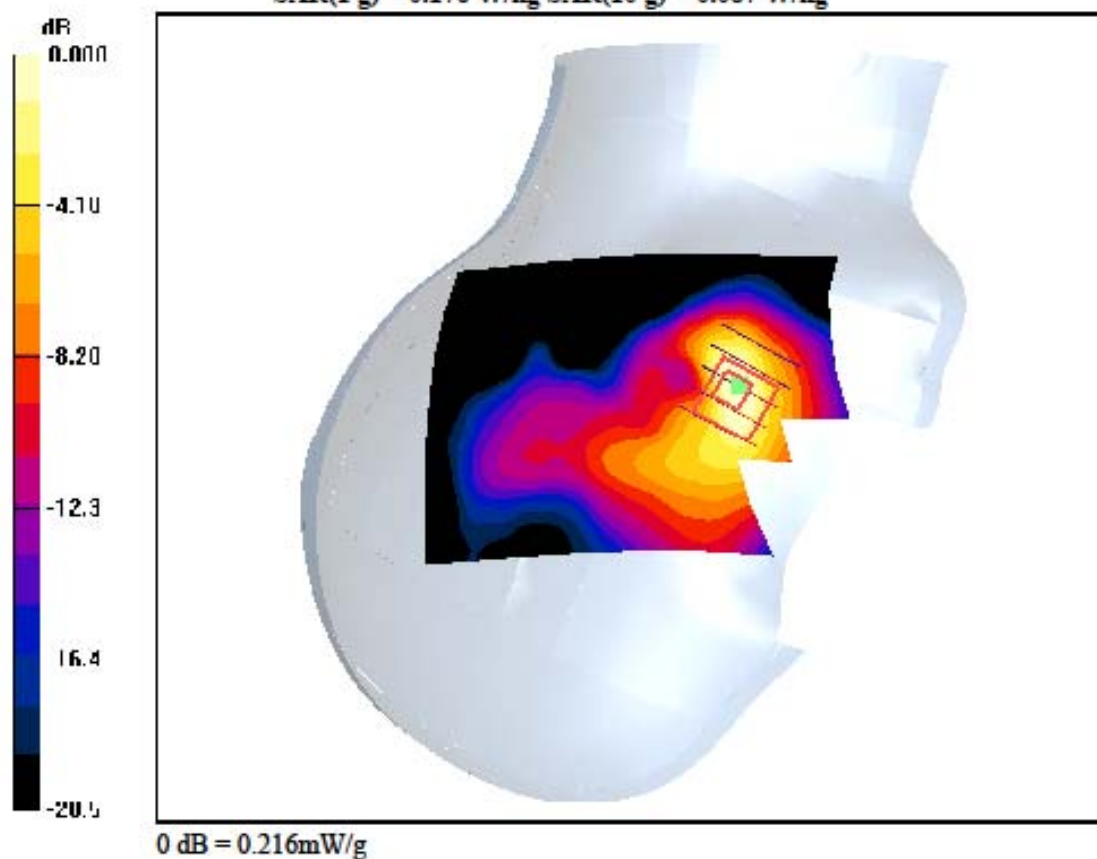
Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Right Touch, PCS1900 Ch. 661, Ant Internal, Standard Battery**Area Scan (71x101x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.176 W/kg SAR(10 g) = 0.087 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Left Tilt, PCS1900 Ch. 661, Ant Internal, Standard Battery

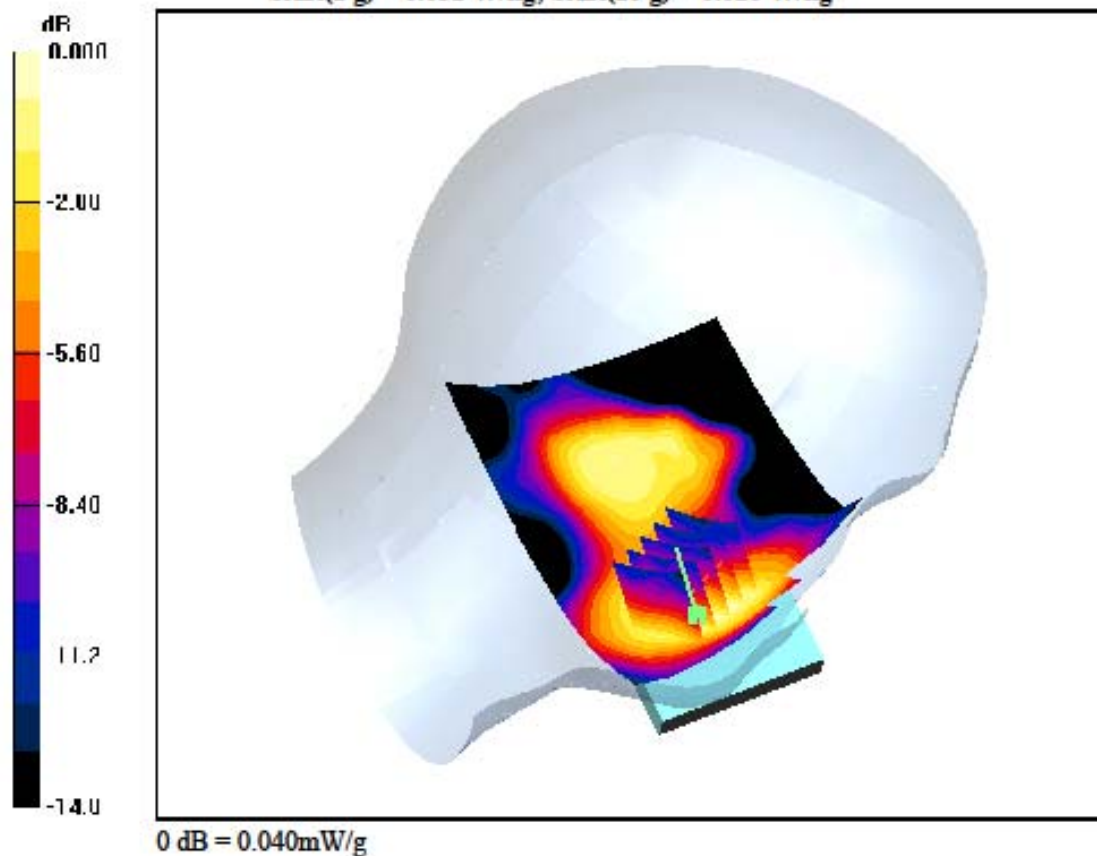
Area Scan (71x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.105 dB

Peak SAR (extrapolated) = 0.051 W/kg

SAR(1 g) = 0.032 W/kg; SAR(10 g) = 0.020 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 39.1$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-28; Ambient Temp: 22.1; Tissue Temp: 22.5

Right Tilt, PCS1900 Ch. 661, Ant Internal, Standard Battery

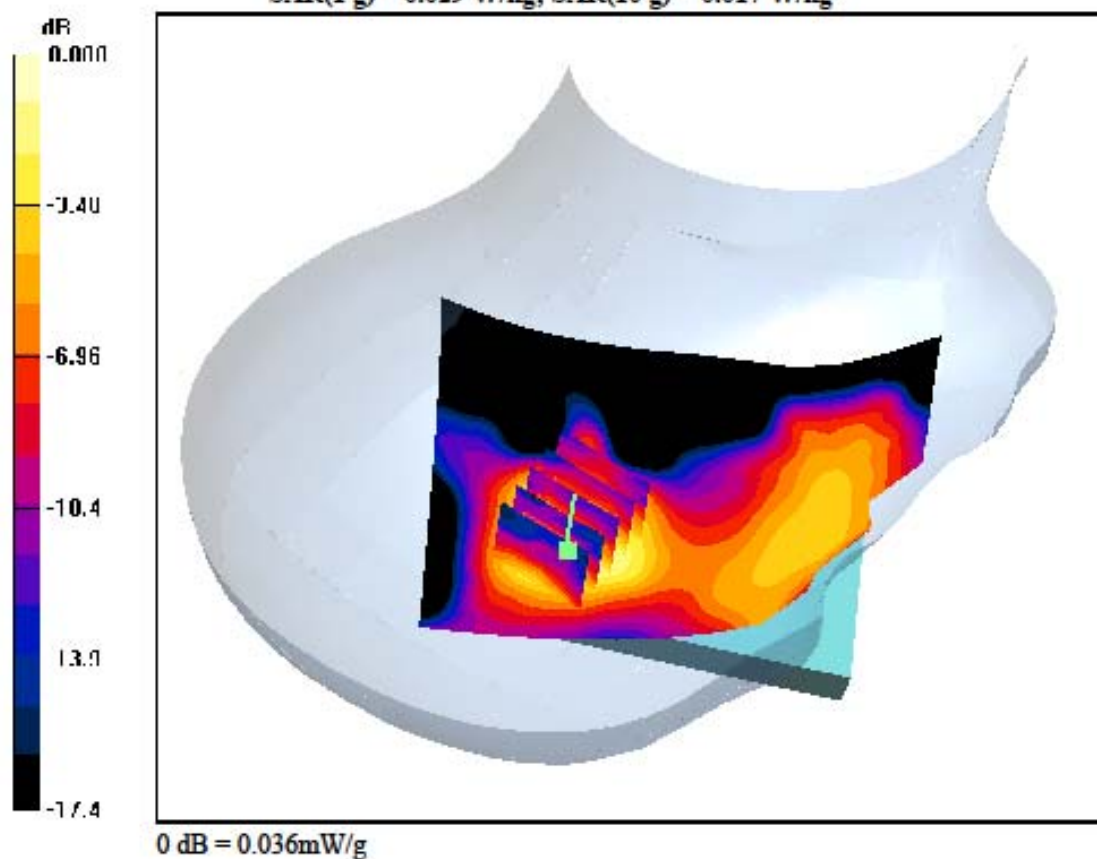
Area Scan (71x101x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.047 W/kg

SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.017 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 43.1$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

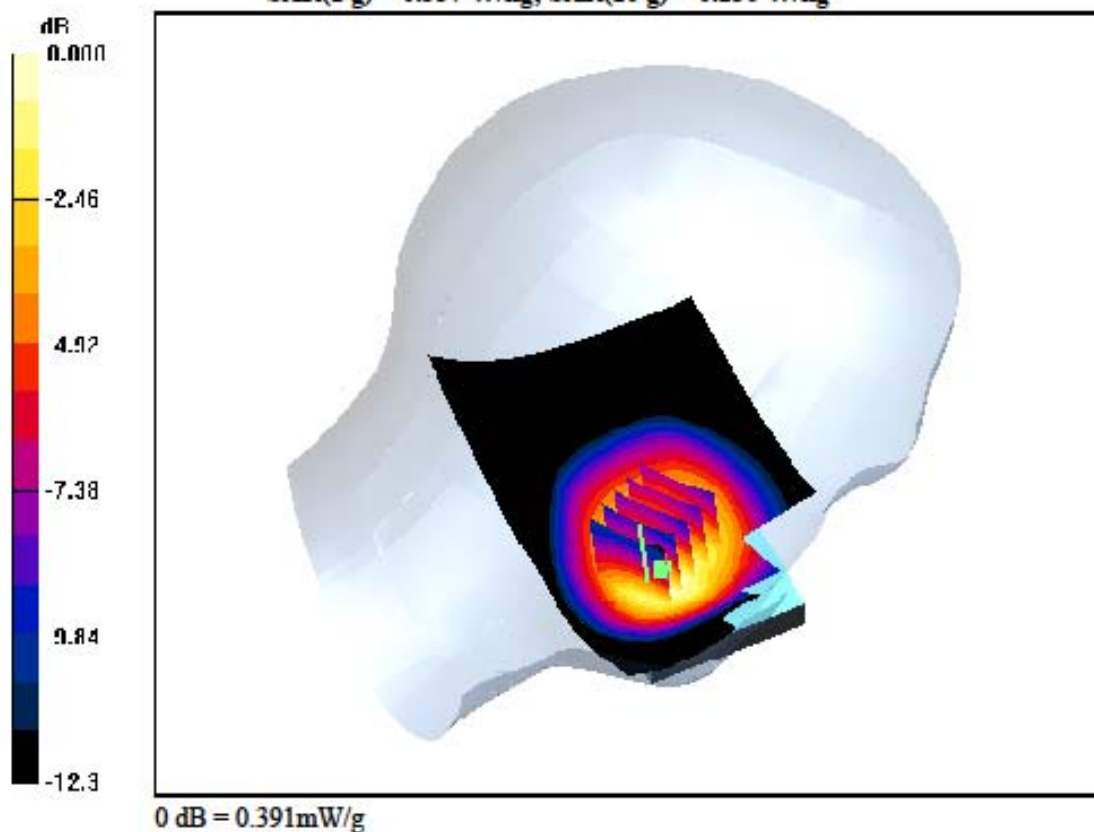
Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Left Touch, WCDMA850 Ch. 4132, Ant Internal, Standard Battery**Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.049 dB

Peak SAR (extrapolated) = 0.505 W/kg

SAR(1 g) = 0.337 W/kg; SAR(10 g) = 0.230 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667 \text{ MHz}$; $\sigma = 0.878 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

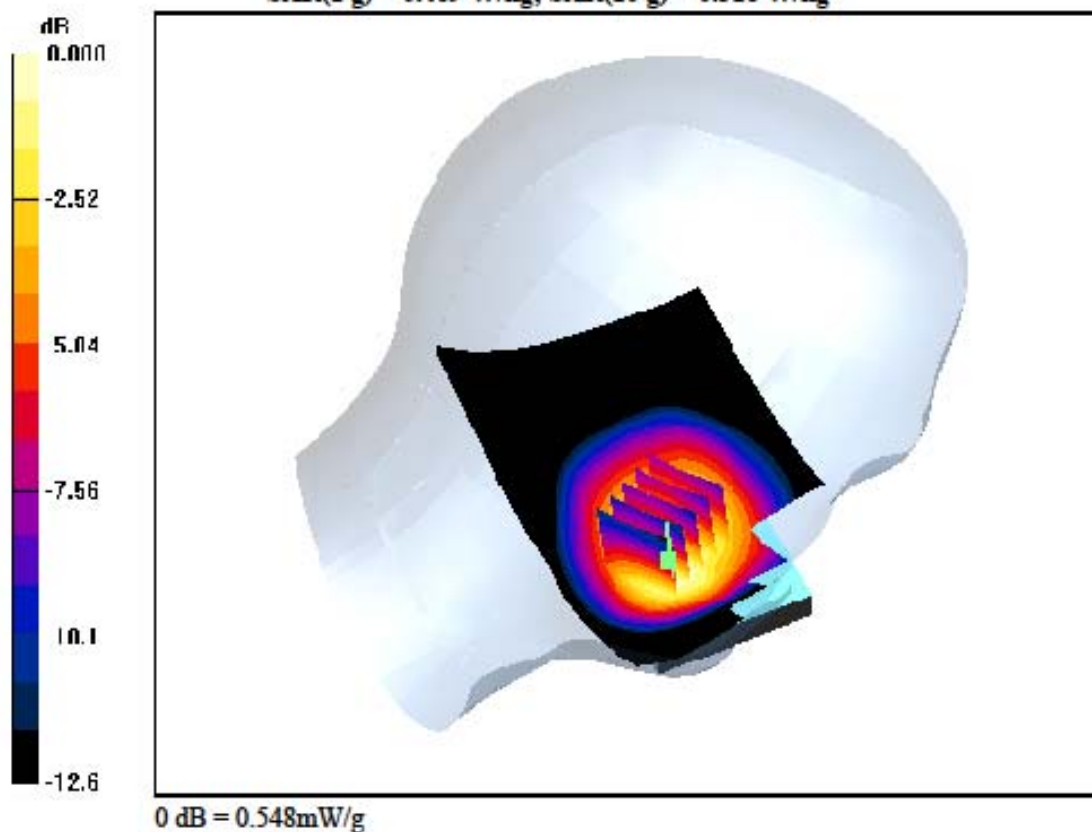
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.077 dB

Peak SAR (extrapolated) = 0.711 W/kg

SAR(1 g) = 0.469 W/kg; SAR(10 g) = 0.316 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 846.667 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Left Touch, WCDMA850 Ch. 4233, Ant Internal, Standard Battery

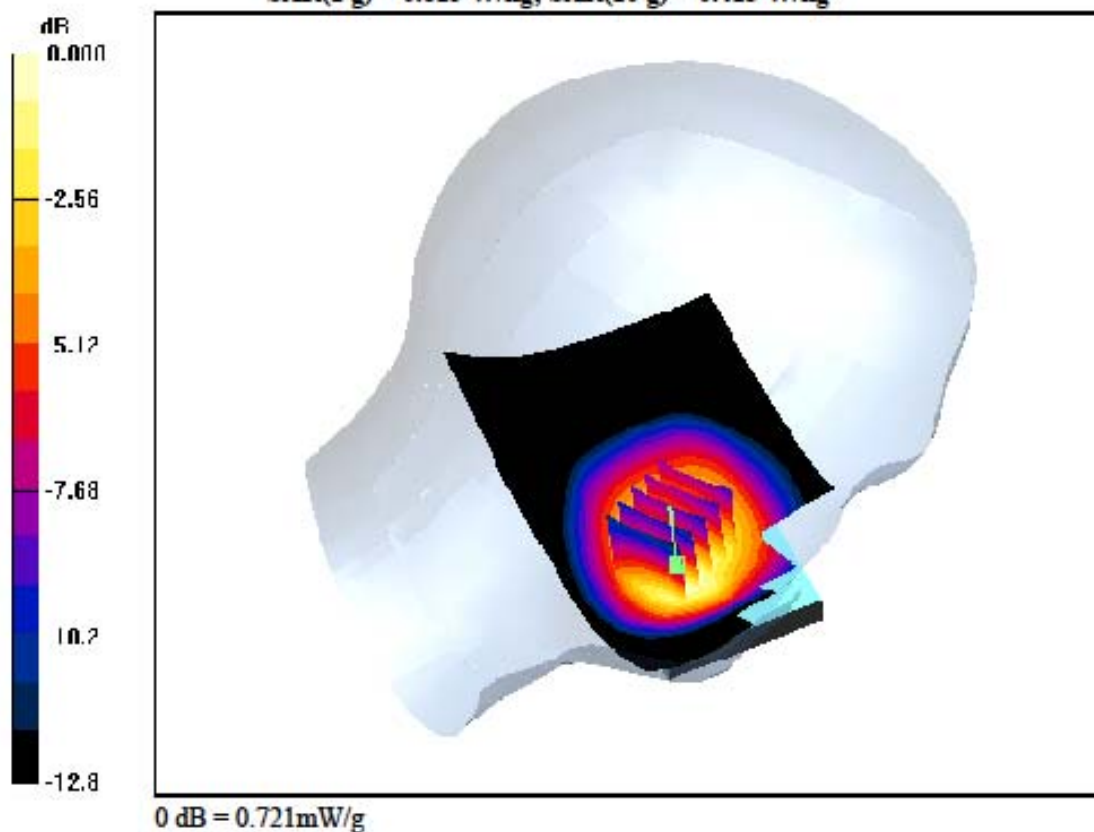
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.015 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.413 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667 \text{ MHz}$; $\sigma = 0.878 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Right Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

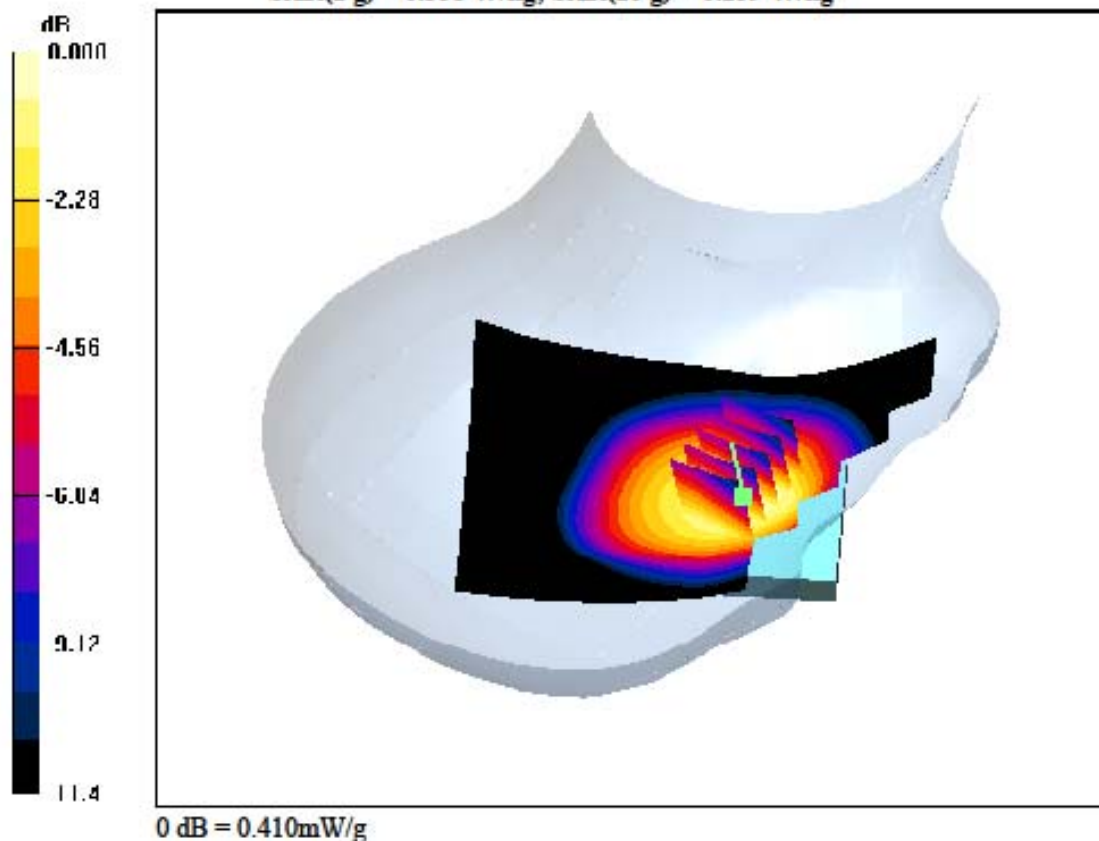
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.474 W/kg

SAR(1 g) = 0.358 W/kg; SAR(10 g) = 0.259 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.667 \text{ MHz}$; $\sigma = 0.878 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

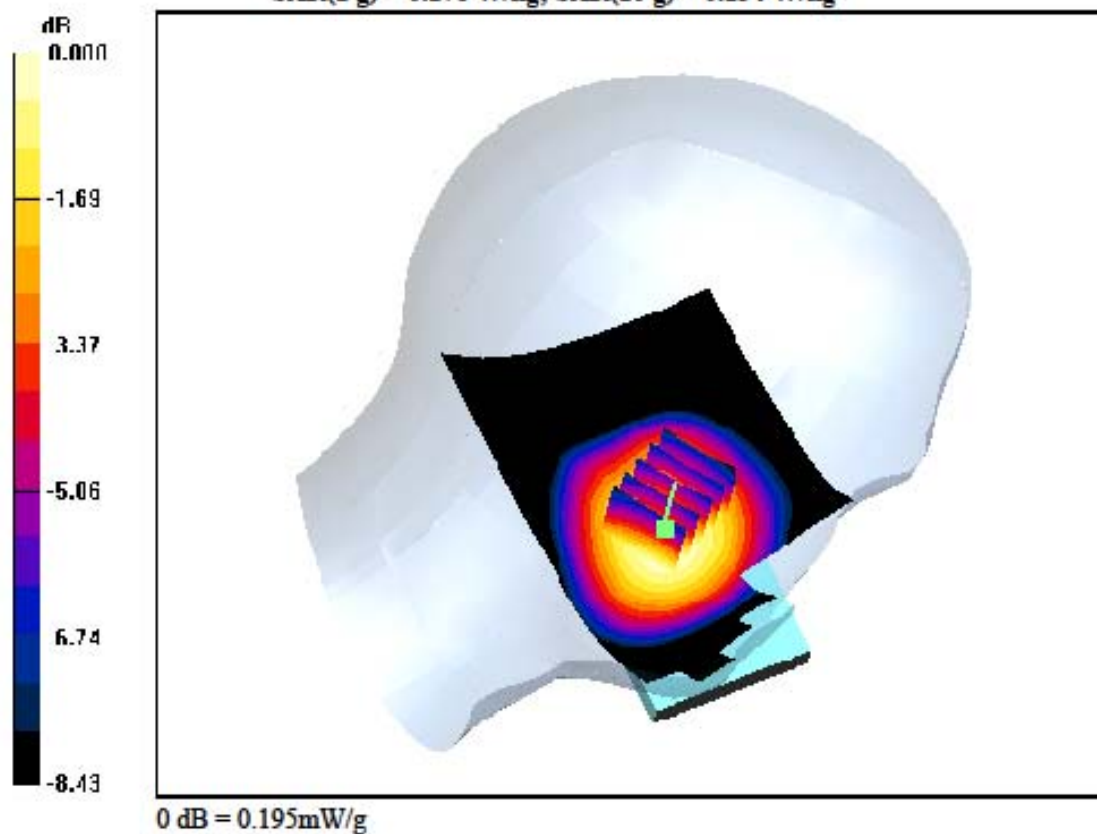
Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Left Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery**Area Scan (71x121x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.072 dB

Peak SAR (extrapolated) = 0.218 W/kg

SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.134 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 836.667 \text{ MHz}$; $\sigma = 0.878 \text{ mho/m}$; $\epsilon_r = 43$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.94, 8.94, 8.94); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
 Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
 Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-12; Ambient Temp: 22.2; Tissue Temp: 22.4

Right Tilt, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

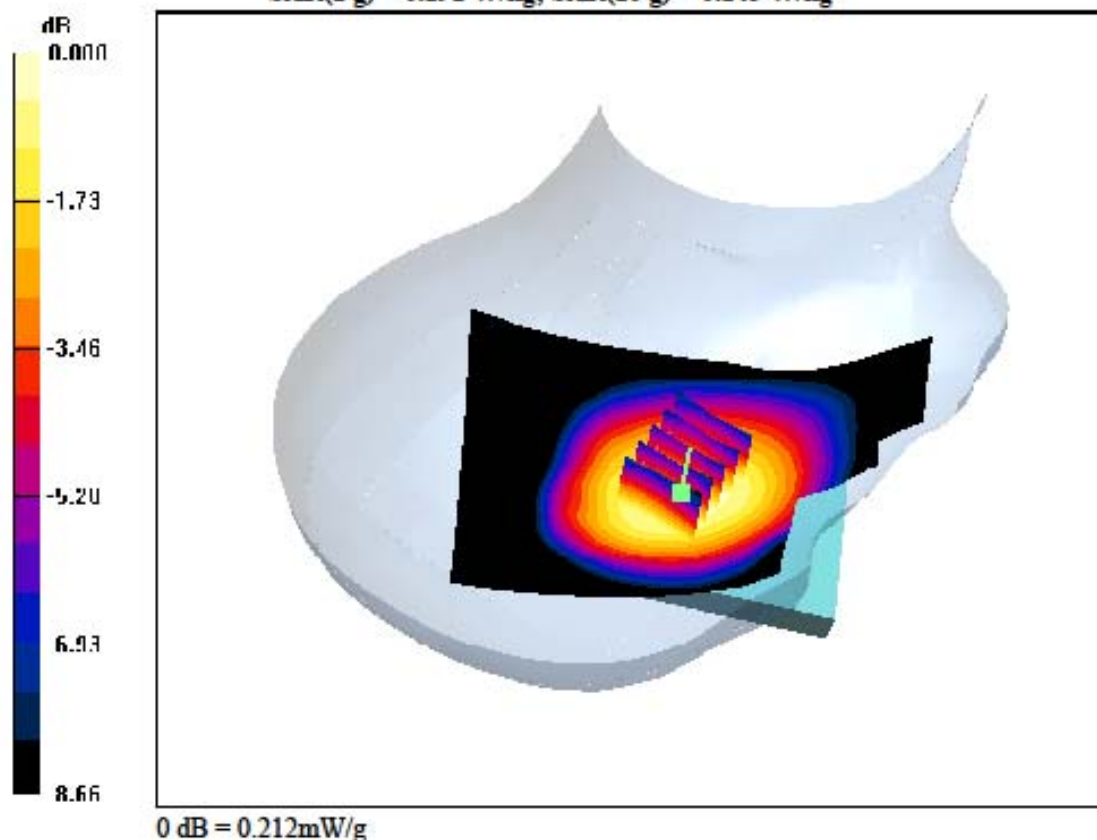
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.046 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.191 W/kg; SAR(10 g) = 0.145 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

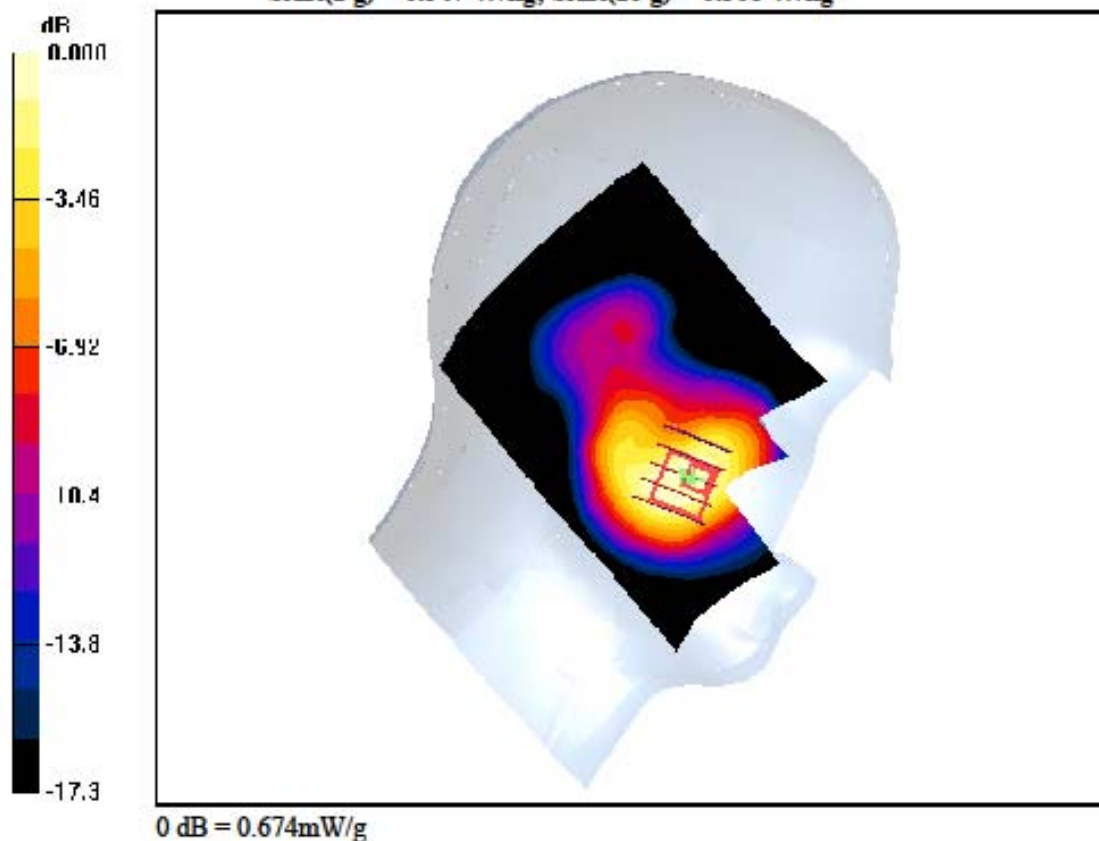
Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Left Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery**Area Scan (81x111x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.975 W/kg

SAR(1 g) = 0.547 W/kg; SAR(10 g) = 0.306 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 1900; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 38.9$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

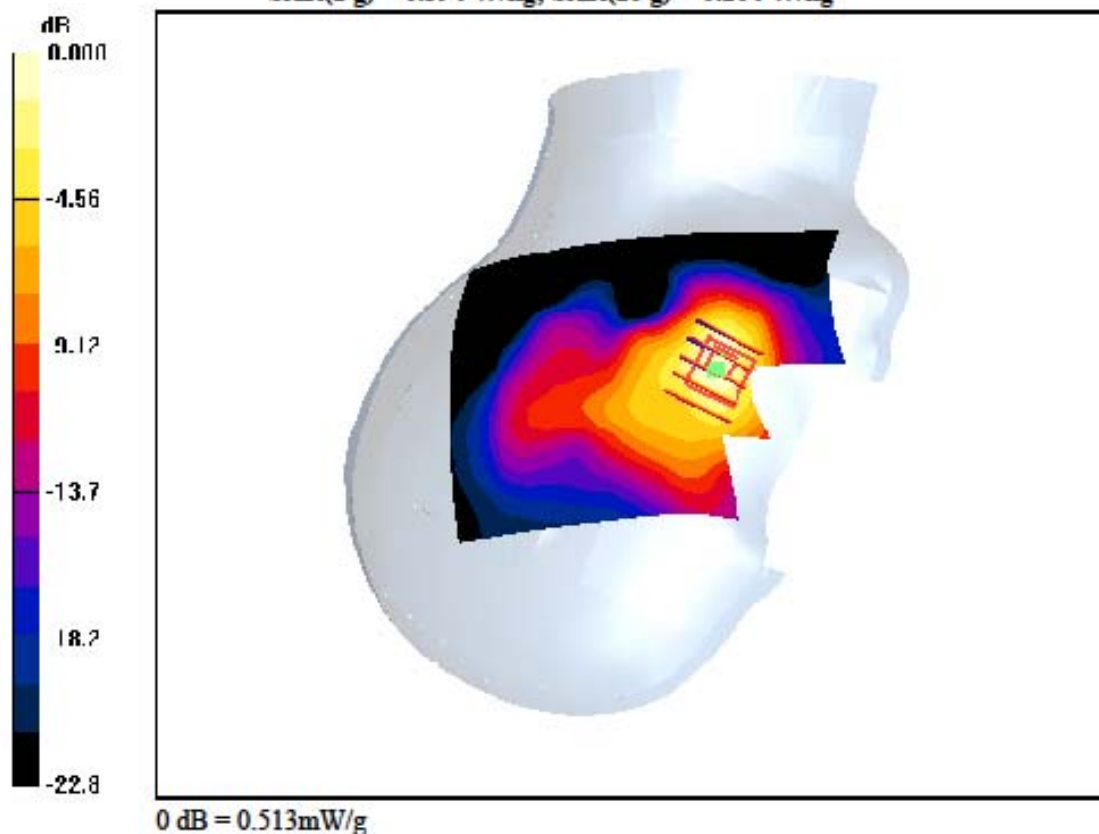
Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Right Touch, WCDMA1900 Ch. 9262, Ant Internal, Standard Battery**Area Scan (81x111x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.203 dB

Peak SAR (extrapolated) = 0.755 W/kg

SAR(1 g) = 0.394 W/kg; SAR(10 g) = 0.204 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Right Touch, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

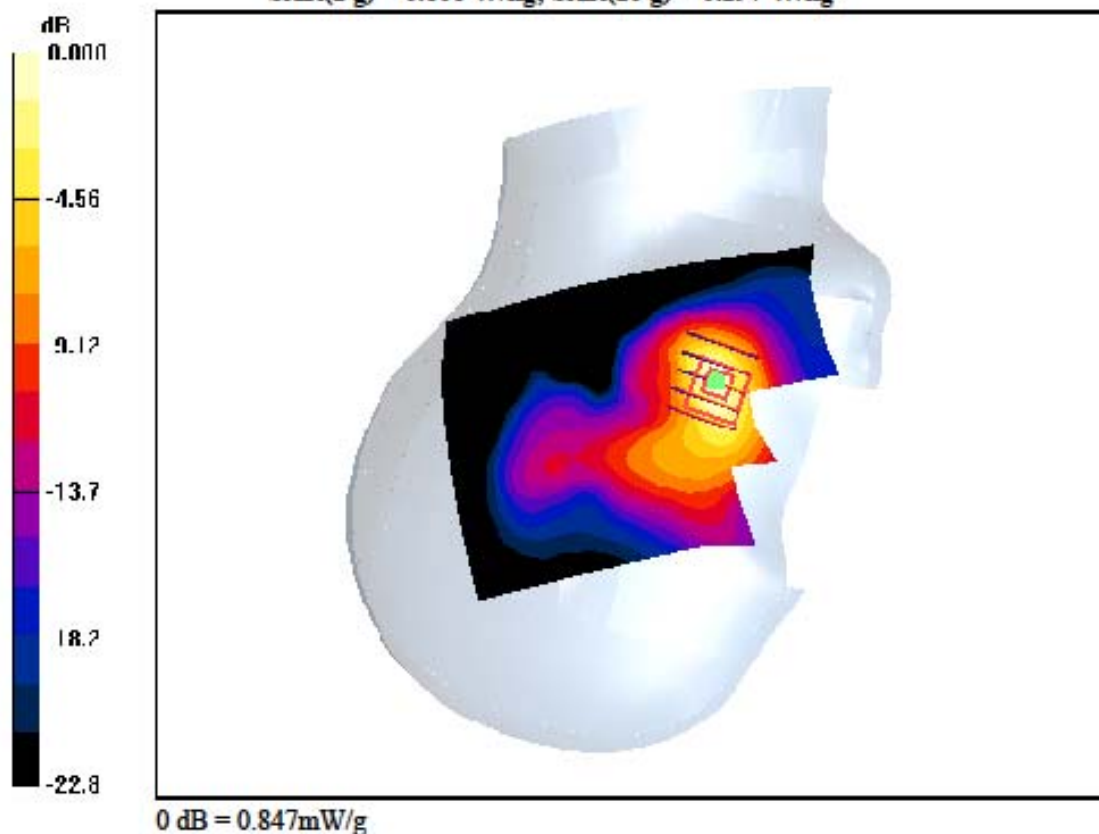
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.176 dB

Peak SAR (extrapolated) = 1.22 W/kg

SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.297 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 1900; Frequency: 1907.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1907.67 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

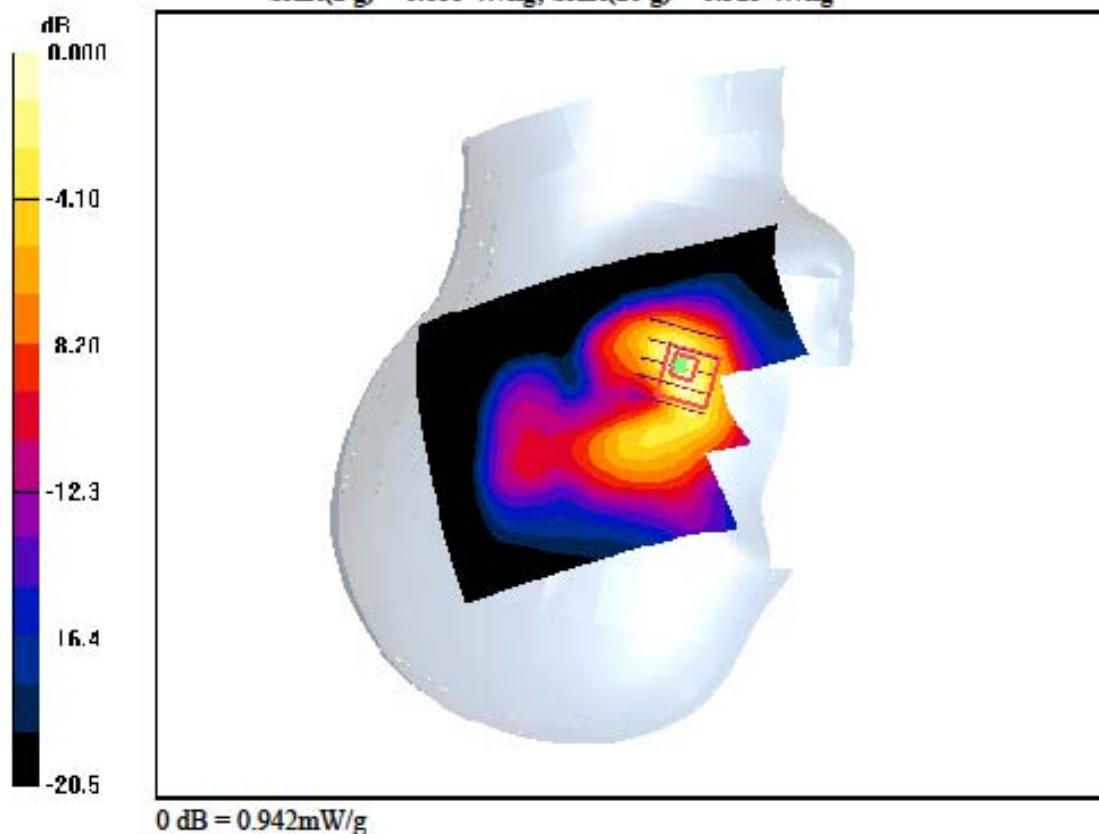
Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Right Touch, WCDMA1900 Ch. 9538, Ant Internal, Standard Battery**Area Scan (81x111x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.049 dB

Peak SAR (extrapolated) = 1.35 W/kg

SAR(1 g) = 0.655 W/kg; SAR(10 g) = 0.315 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.41$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Left Tilt, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery

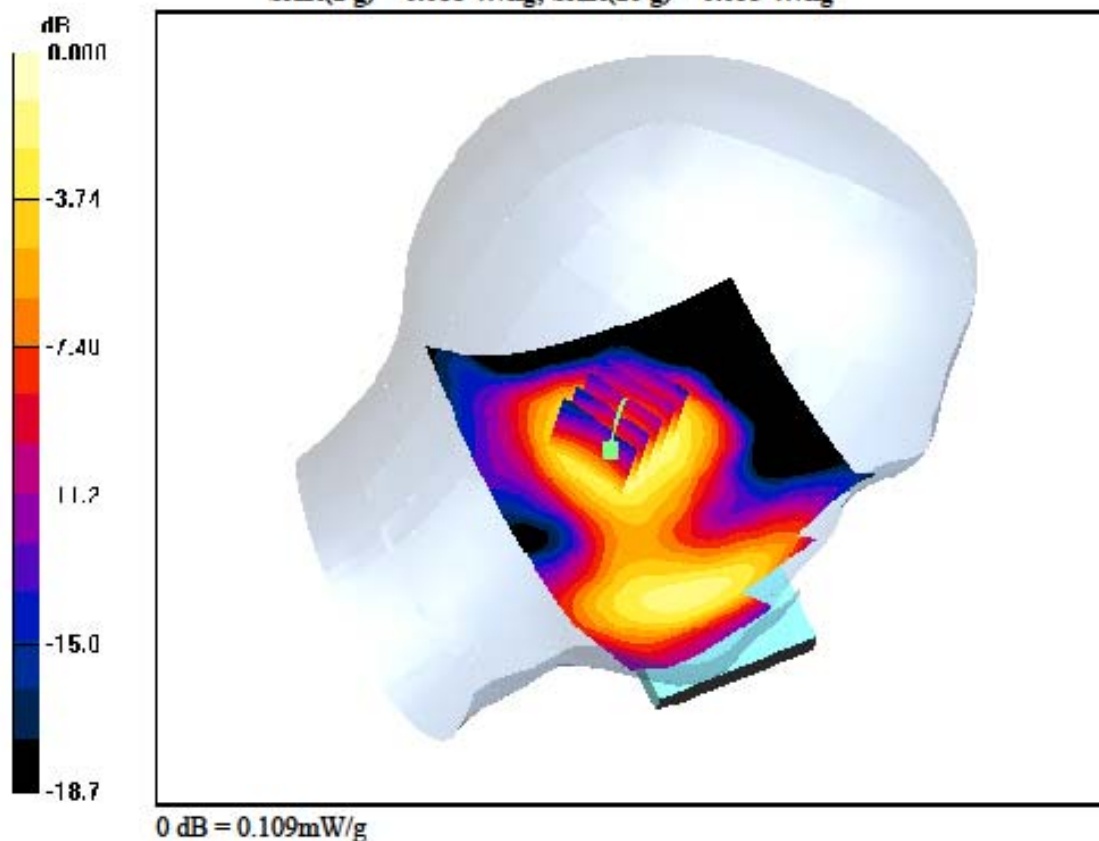
Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.087 dB

Peak SAR (extrapolated) = 0.140 W/kg

SAR(1 g) = 0.088 W/kg; SAR(10 g) = 0.053 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: WCDMA 1900; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.97, 7.97, 7.97); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

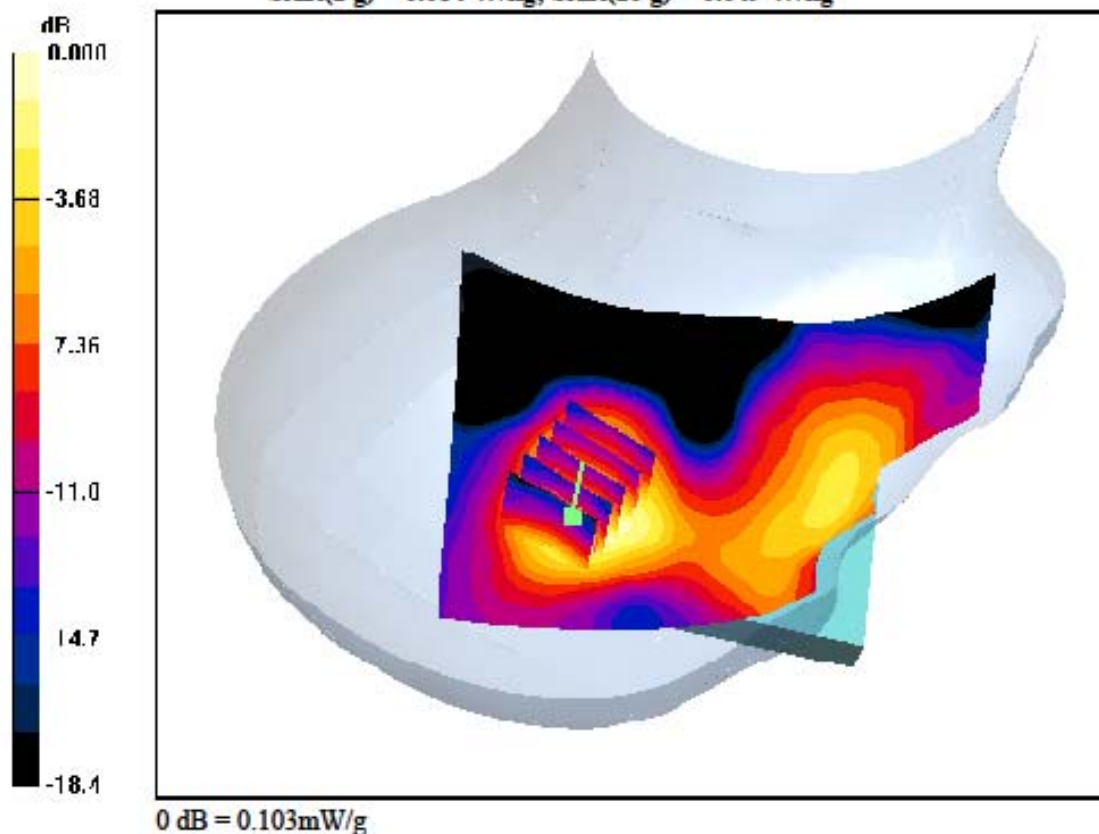
Test Date: 2012-02-27; Ambient Temp: 21.9; Tissue Temp: 22.3

Right Tilt, WCDMA1900 Ch. 9400, Ant Internal, Standard Battery**Area Scan (81x111x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.117 dB

Peak SAR (extrapolated) = 0.138 W/kg

SAR(1 g) = 0.084 W/kg; SAR(10 g) = 0.049 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.84 \text{ mho/m}$; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

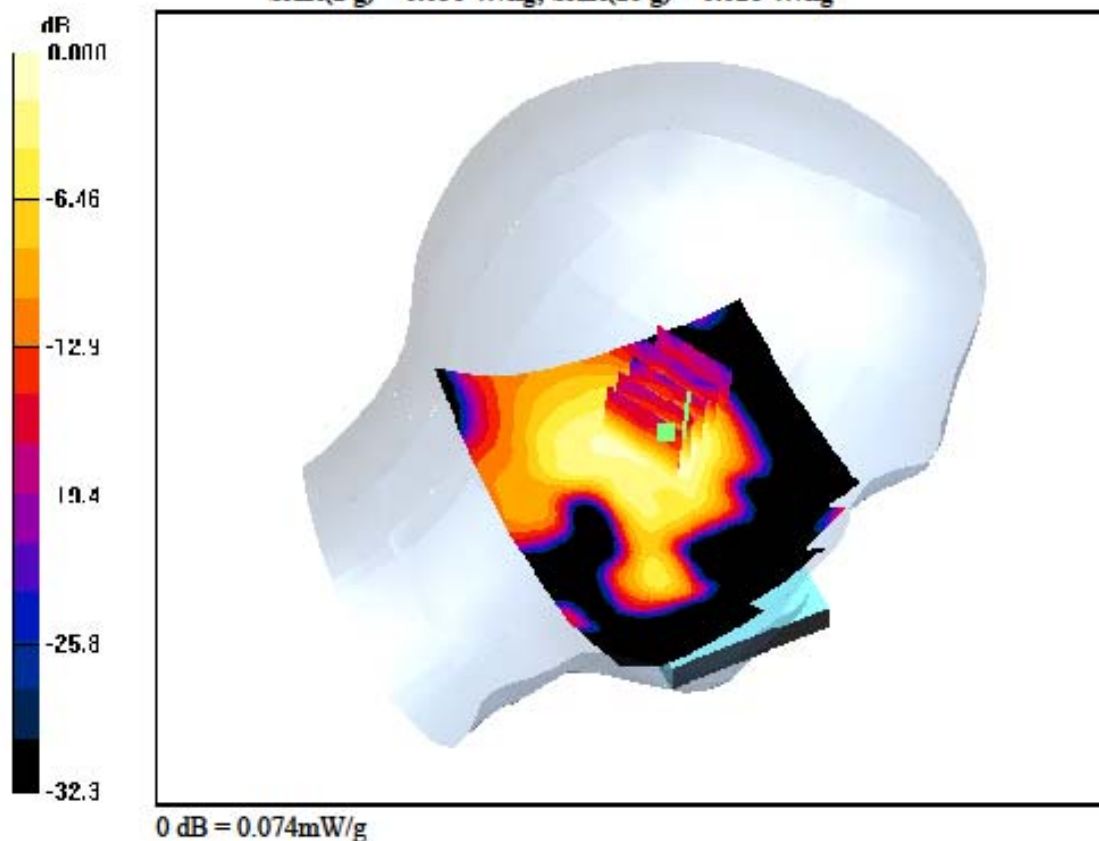
Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Left Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery**Area Scan (81x101x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.120 dB

Peak SAR (extrapolated) = 0.127 W/kg

SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.026 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Right Touch, W-LAN(802.11b) Ch. 1, Ant Internal, Standard Battery

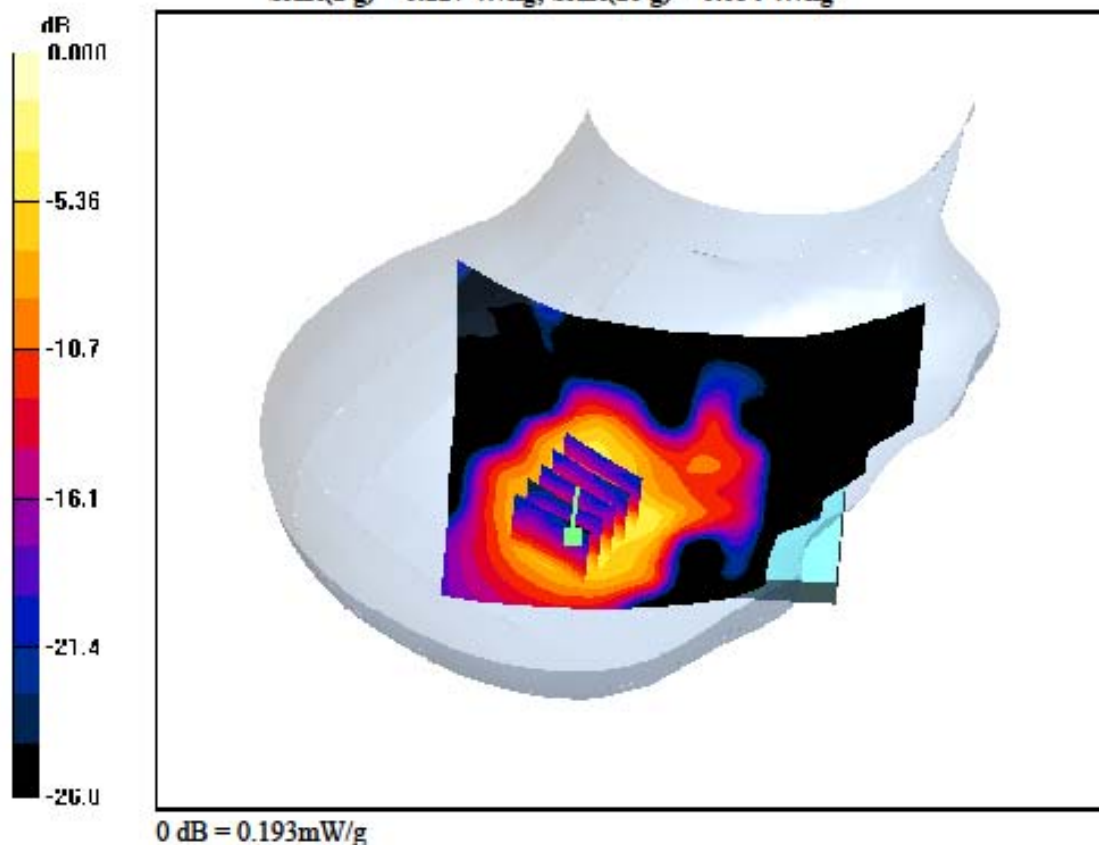
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.153 dB

Peak SAR (extrapolated) = 0.337 W/kg

SAR(1 g) = 0.127 W/kg; SAR(10 g) = 0.054 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.84 \text{ mho/m}$; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Right Touch, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

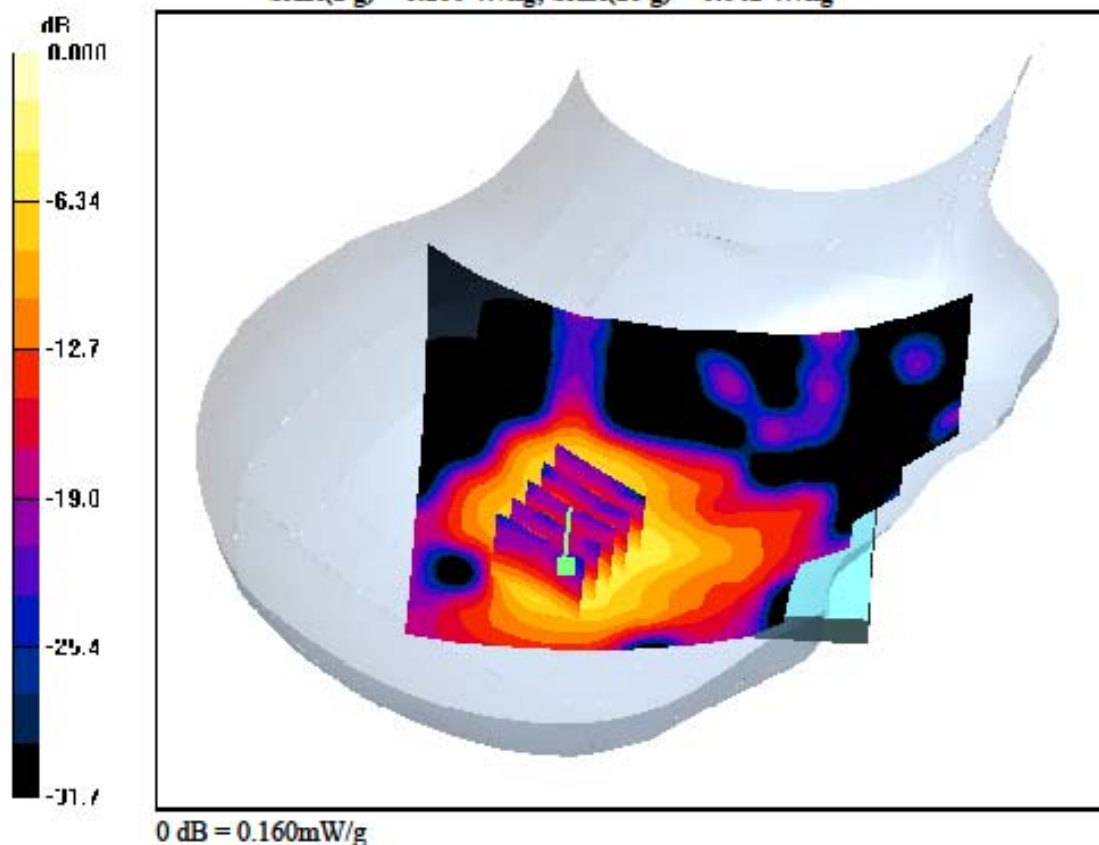
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.177 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.100 W/kg; SAR(10 g) = 0.042 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.86 \text{ mho/m}$; $\epsilon_r = 38.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

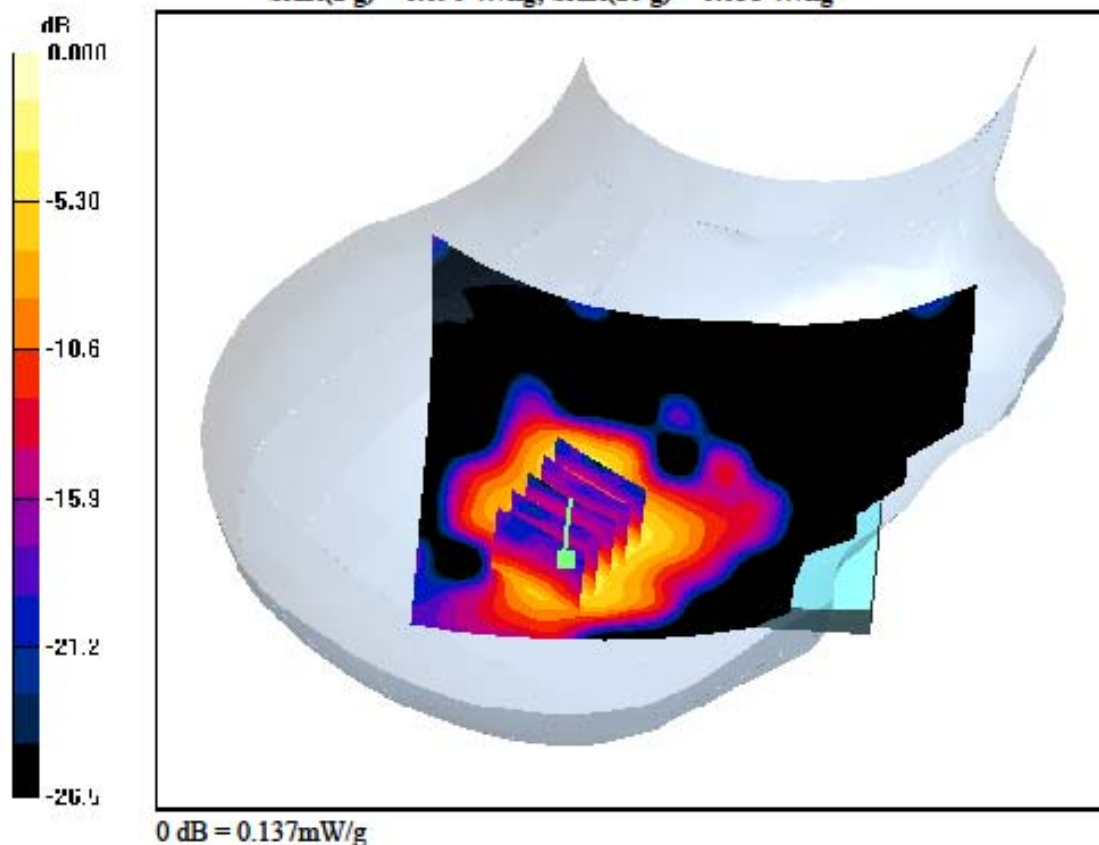
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = 0.170 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.090 W/kg; SAR(10 g) = 0.038 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.84 \text{ mho/m}$; $\epsilon_r = 38.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

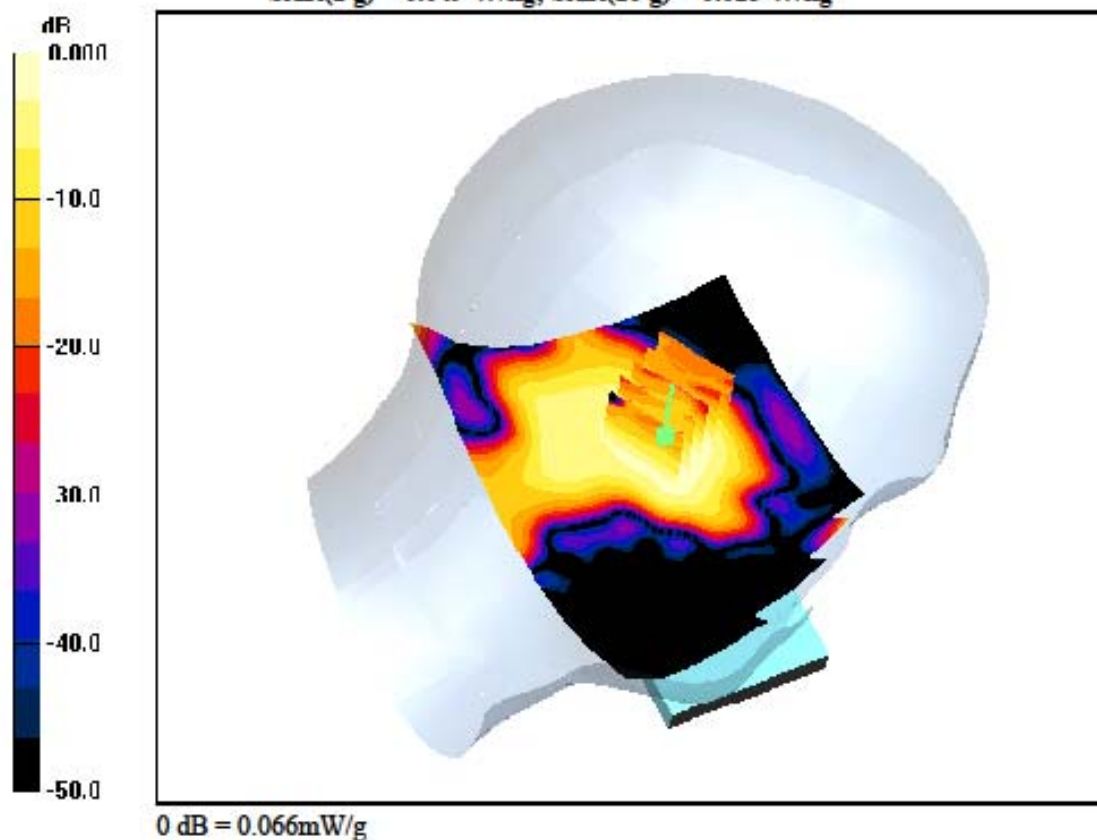
Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Left Tilt, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery**Area Scan (81x111x1):** Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$ **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.102 W/kg

SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.025 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 38.3$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.12, 7.12, 7.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-29; Ambient Temp: 22.3; Tissue Temp: 22.6

Right Tilt, W-LAN(802.11b) Ch. 6, Ant Internal, Standard Battery

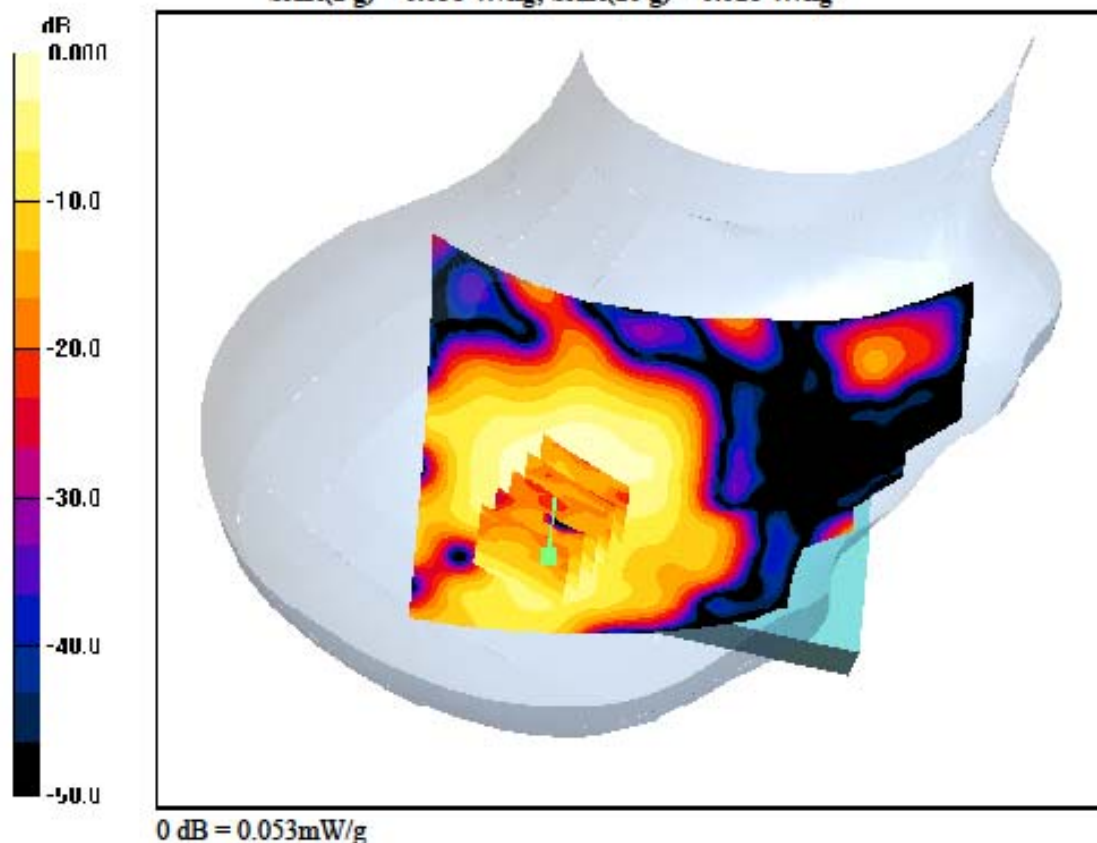
Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.162 dB

Peak SAR (extrapolated) = 0.092 W/kg

SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.016 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

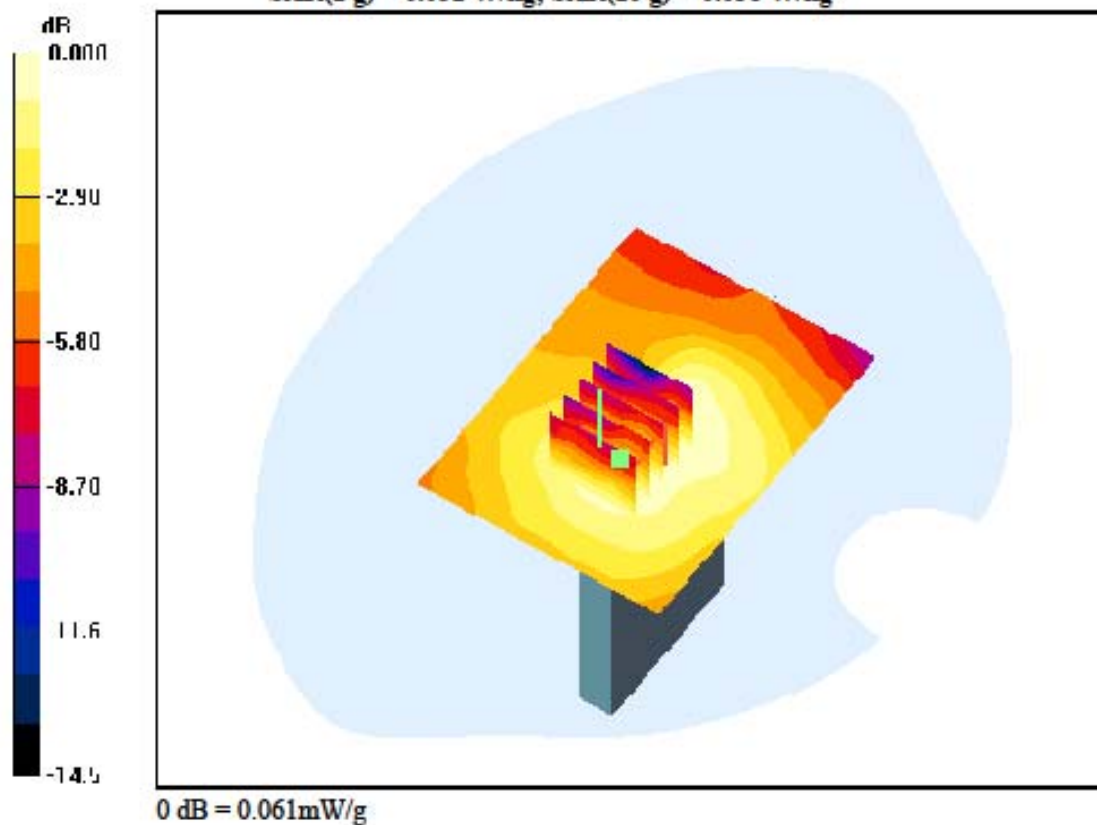
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

1 cm space from Body, Bottom, GSM850 GPRS Class 11, Ch. 190, Ant. Internal**Area Scan (61x81x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.146 dB

Peak SAR (extrapolated) = 0.074 W/kg

SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.036 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

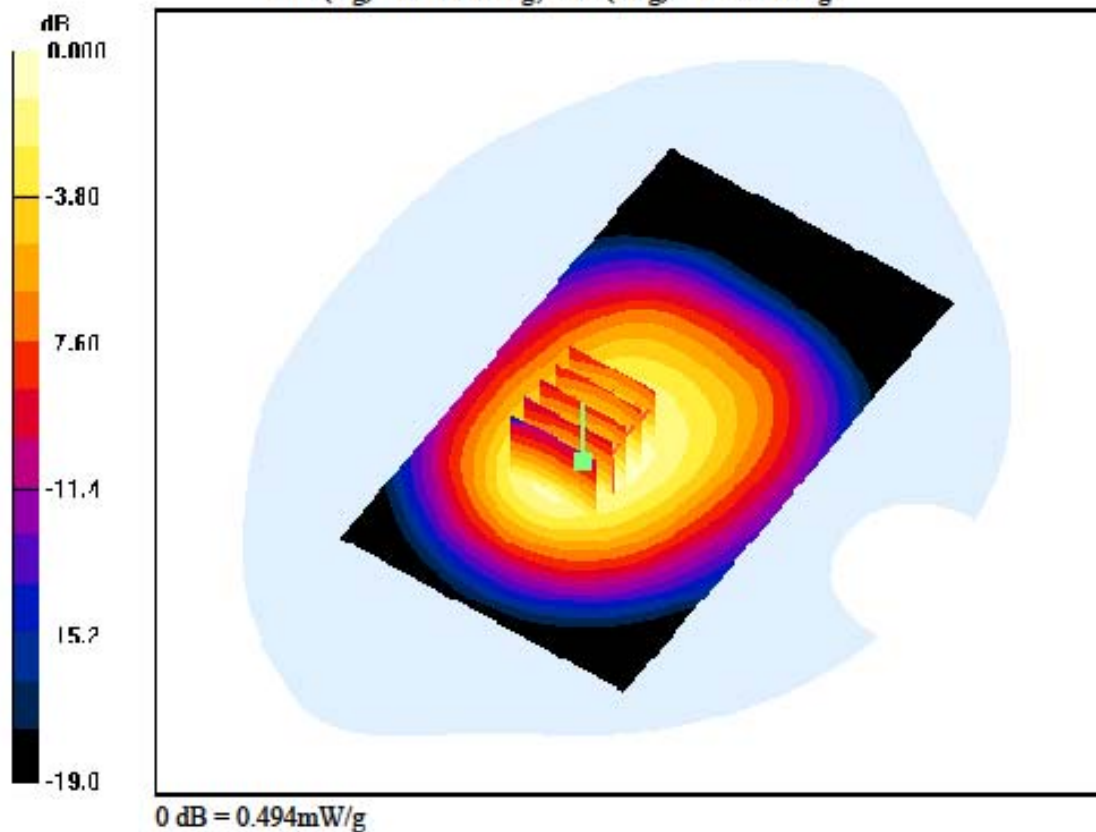
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

1 cm space from Body, Front, GSM850 GPRS Class 11, Ch. 190, Ant. Internal**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.089 dB

Peak SAR (extrapolated) = 0.591 W/kg

SAR(1 g) = 0.418 W/kg; SAR(10 g) = 0.295 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

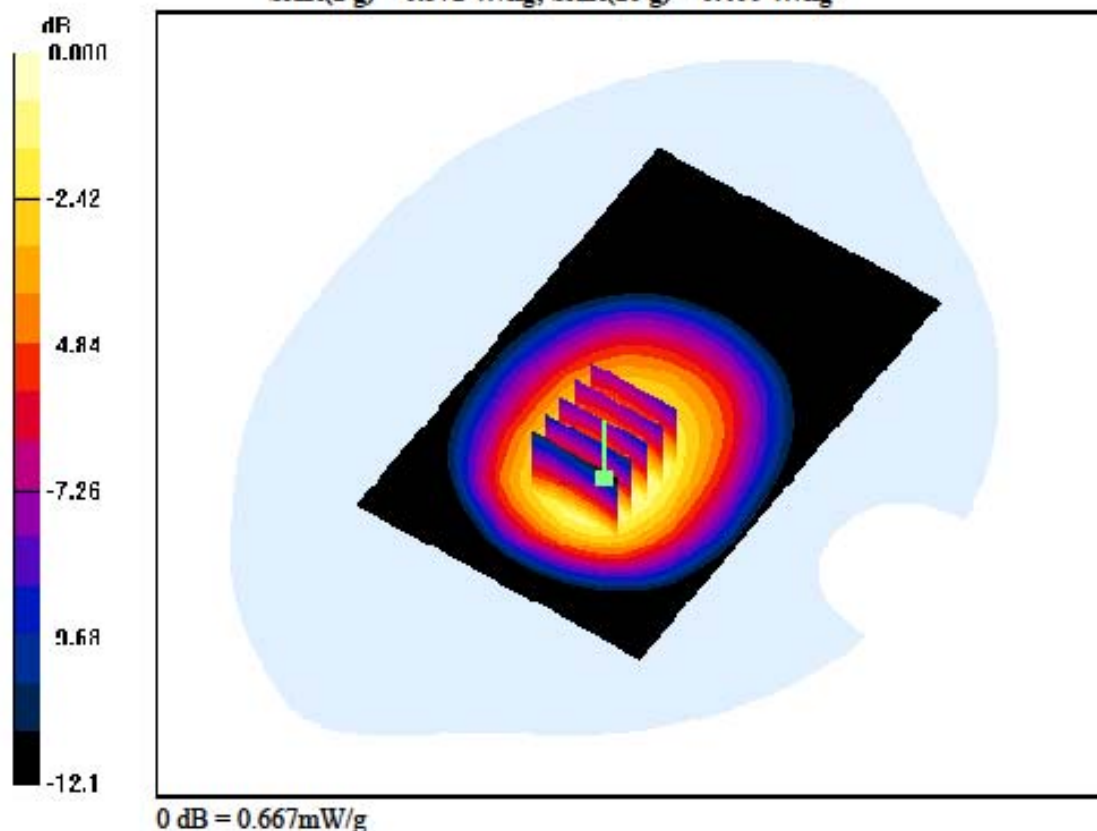
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

1 cm space from Body, Rear, GSM850, Ch. 190, Ant. Internal**Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.790 W/kg

SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.400 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

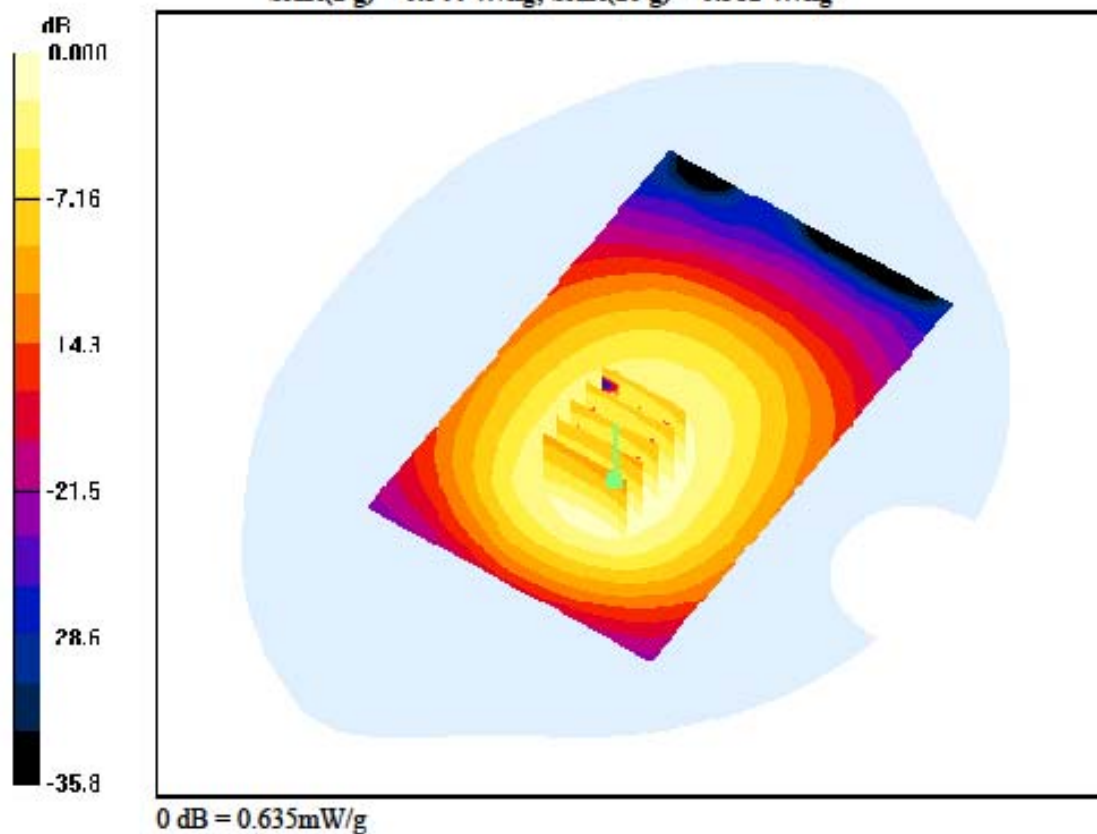
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

1 cm space from Body, Rear, GSM850 GPRS Class 8, Ch. 190, Ant. Internal**Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.754 W/kg

SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.382 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

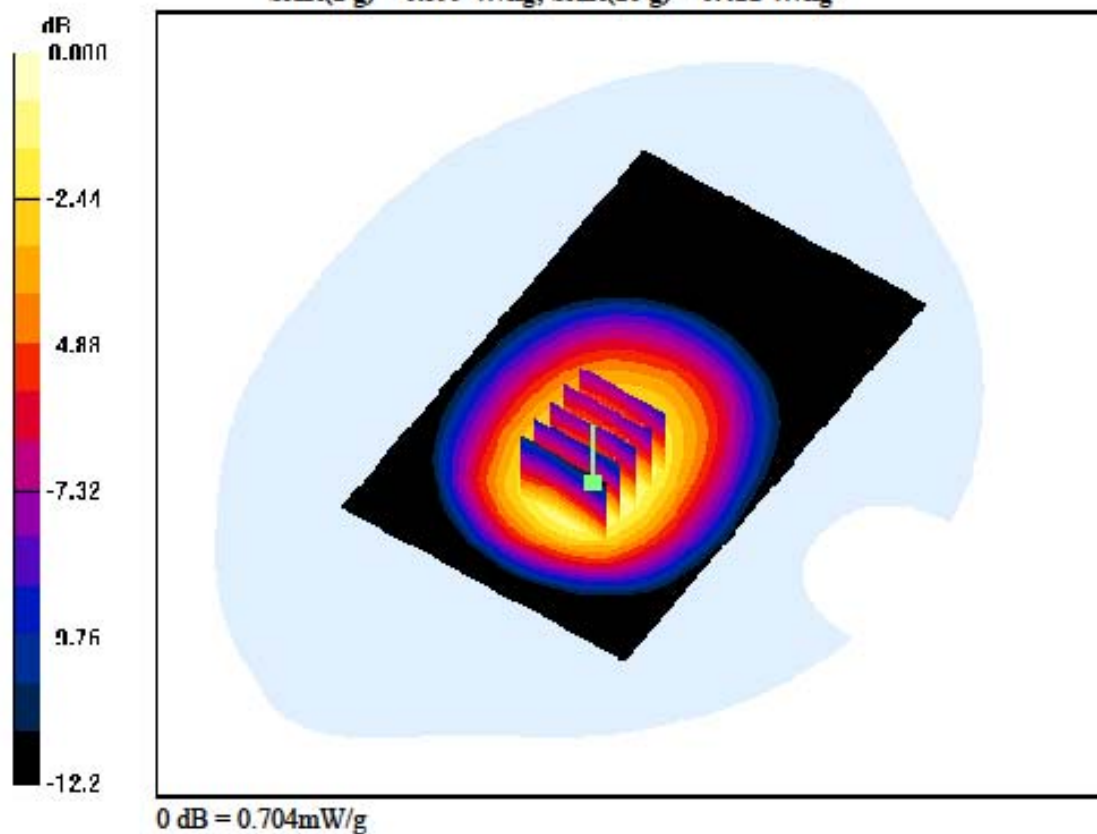
Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

1 cm space from Body, Rear, GSM850 GPRS Class 10, Ch. 190, Ant. Internal**Area Scan (71x111x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.147 dB

Peak SAR (extrapolated) = 0.835 W/kg

SAR(1 g) = 0.599 W/kg; SAR(10 g) = 0.421 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400g; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 824.333$ MHz; $\sigma = 0.95$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(9.12, 9.12, 9.12); Calibrated: 2012-01-27; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2012-02-11; Ambient Temp: 22.0; Tissue Temp: 22.2

1 cm space from Body, Rear, GSM850 GPRS Class 11, Ch. 128, Ant. Internal**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.435 W/kg

