

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: $f = 835 \text{ MHz}$; $\sigma = 0.879 \text{ mho/m}$; $\epsilon_r = 42.3$; $\rho = 1000 \text{ kg/m}^3$

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: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

Dipole Validation

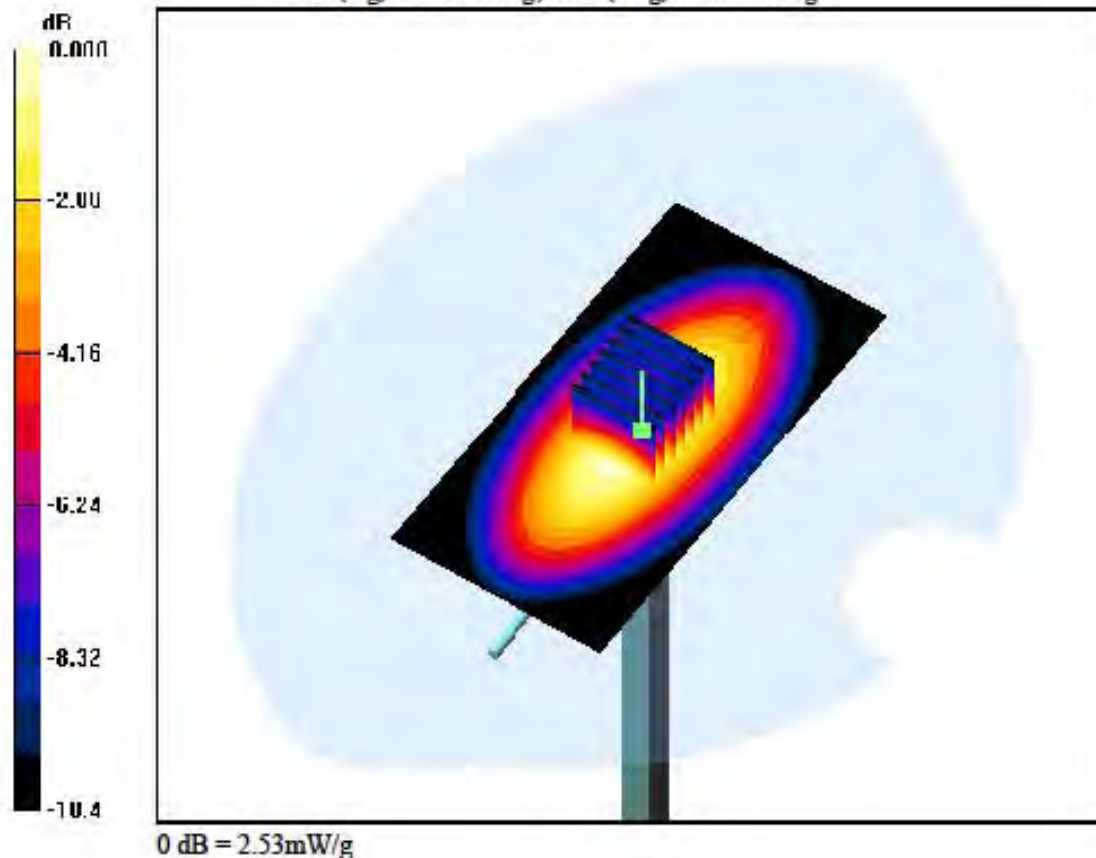
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.060 dB

Peak SAR (extrapolated) = 3.55 W/kg

SAR(1 g) = 2.34 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: $f = 835 \text{ MHz}$; $\sigma = 0.95 \text{ mho/m}$; $\epsilon_r = 53.3$; $\rho = 1000 \text{ kg/m}^3$

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

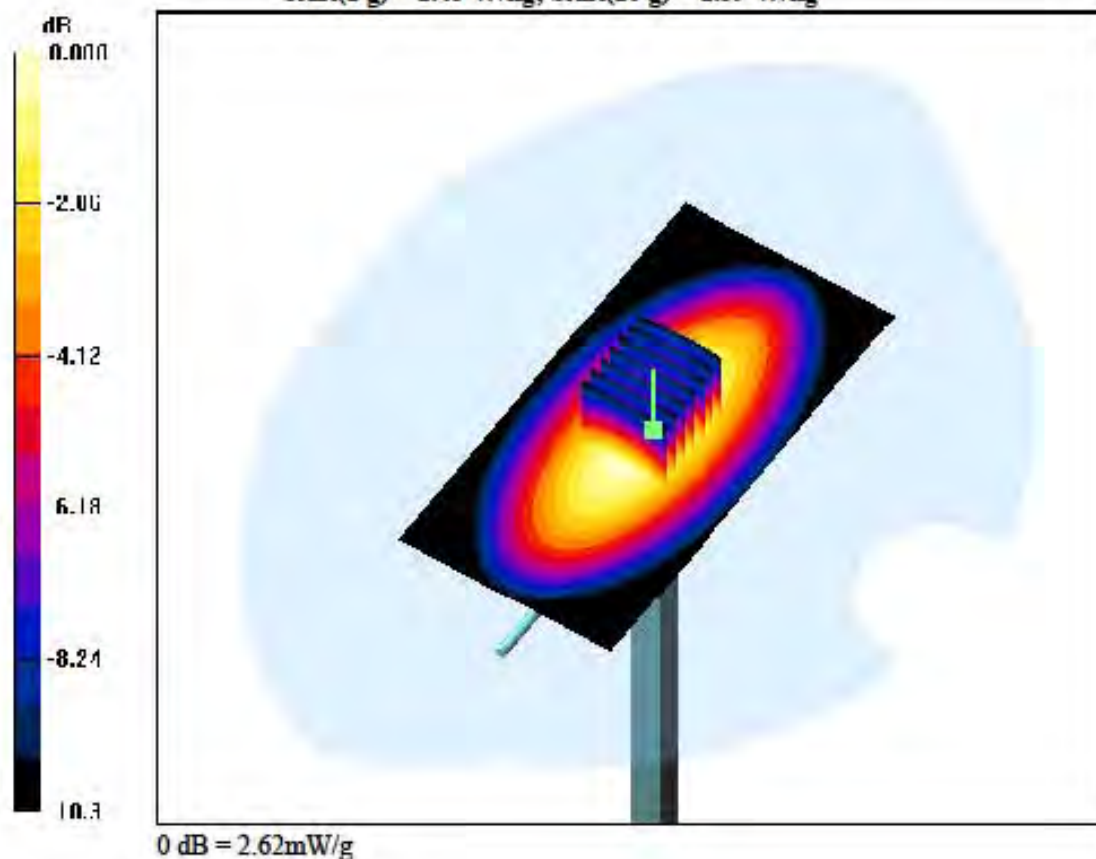
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

Dipole Validation**Area Scan (51x101x1):** 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 = -0.010 dB

Peak SAR (extrapolated) = 3.66 W/kg

SAR(1 g) = 2.43 W/kg; SAR(10 g) = 1.59 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: $f = 835 \text{ MHz}$; $\sigma = 0.881 \text{ mho/m}$; $\epsilon_r = 42.9$; $\rho = 1000 \text{ kg/m}^3$

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

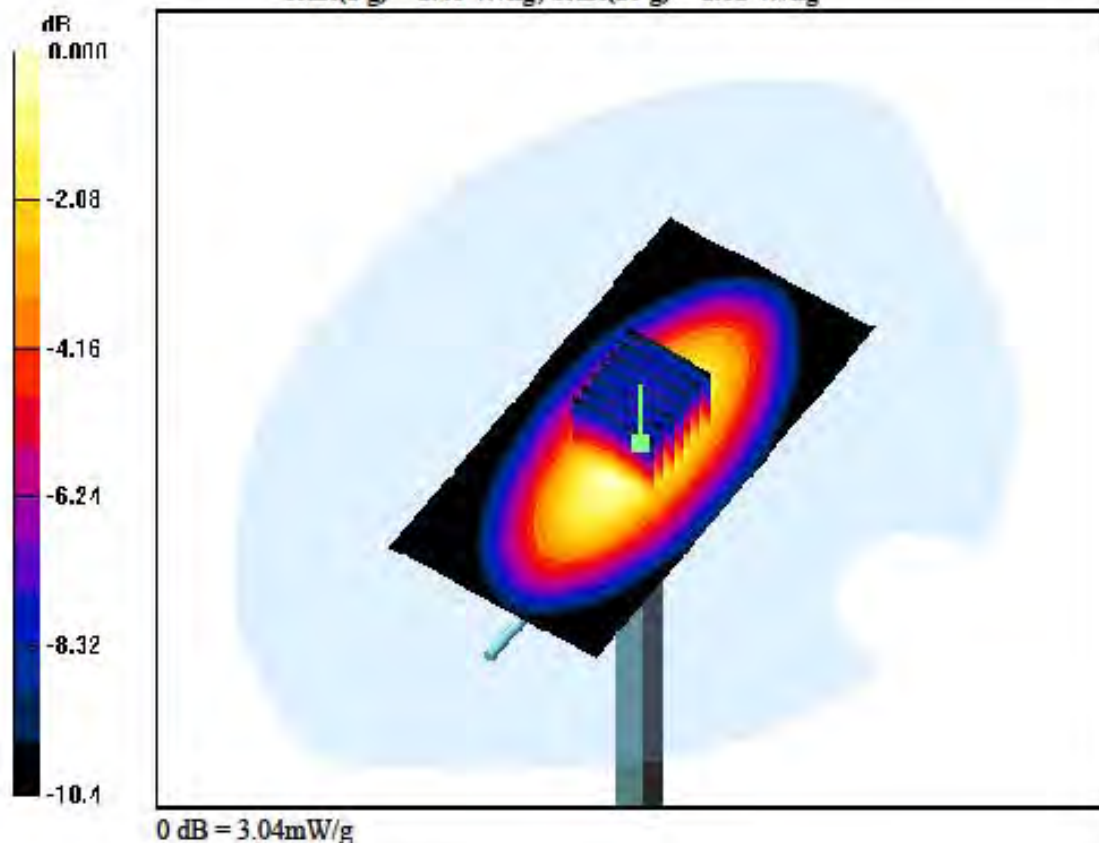
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Dipole Validation**Area Scan (51x101x1):** 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 = -0.015 dB

Peak SAR (extrapolated) = 3.79 W/kg

SAR(1 g) = 2.48 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: $f = 835 \text{ MHz}$; $\sigma = 0.961 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$

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

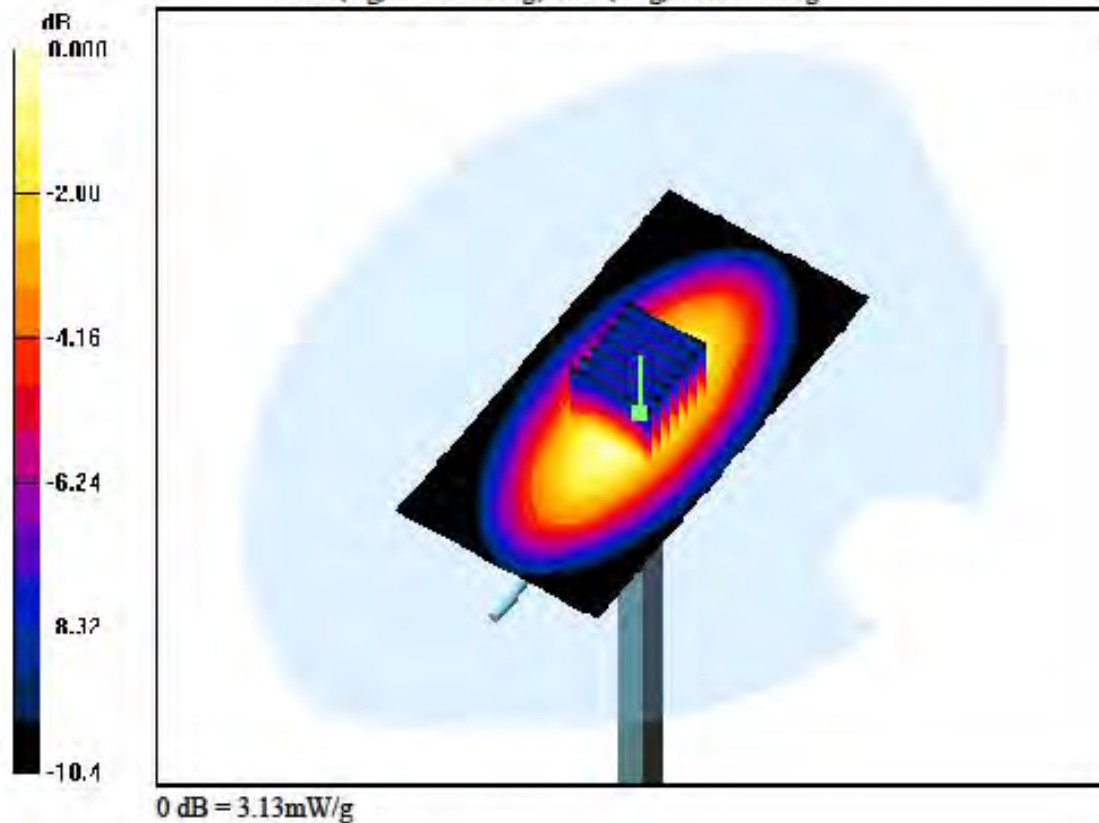
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Dipole Validation**Area Scan (51x101x1):** 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 = -0.080 dB

Peak SAR (extrapolated) = 3.87 W/kg

SAR(1 g) = 2.56 W/kg; SAR(10 g) = 1.68 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: $f = 1900 \text{ MHz}$; $\sigma = 1.43 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

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

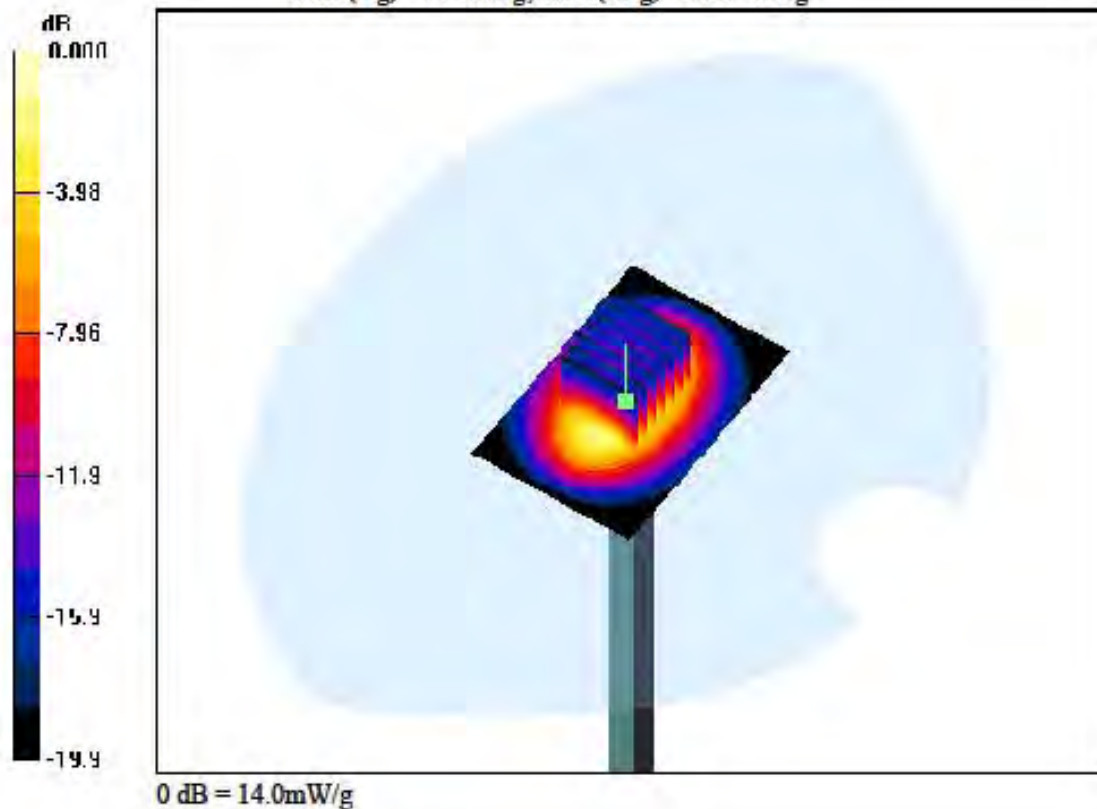
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

Dipole Validation**Area Scan (61x91x1):** Measurement grid: $dx=10\text{mm}$, $dy=10\text{mm}$ **Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.013 dB

Peak SAR (extrapolated) = 20.4 W/kg

SAR(1 g) = 10 W/kg; SAR(10 g) = 4.97 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: $f = 1900 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$

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

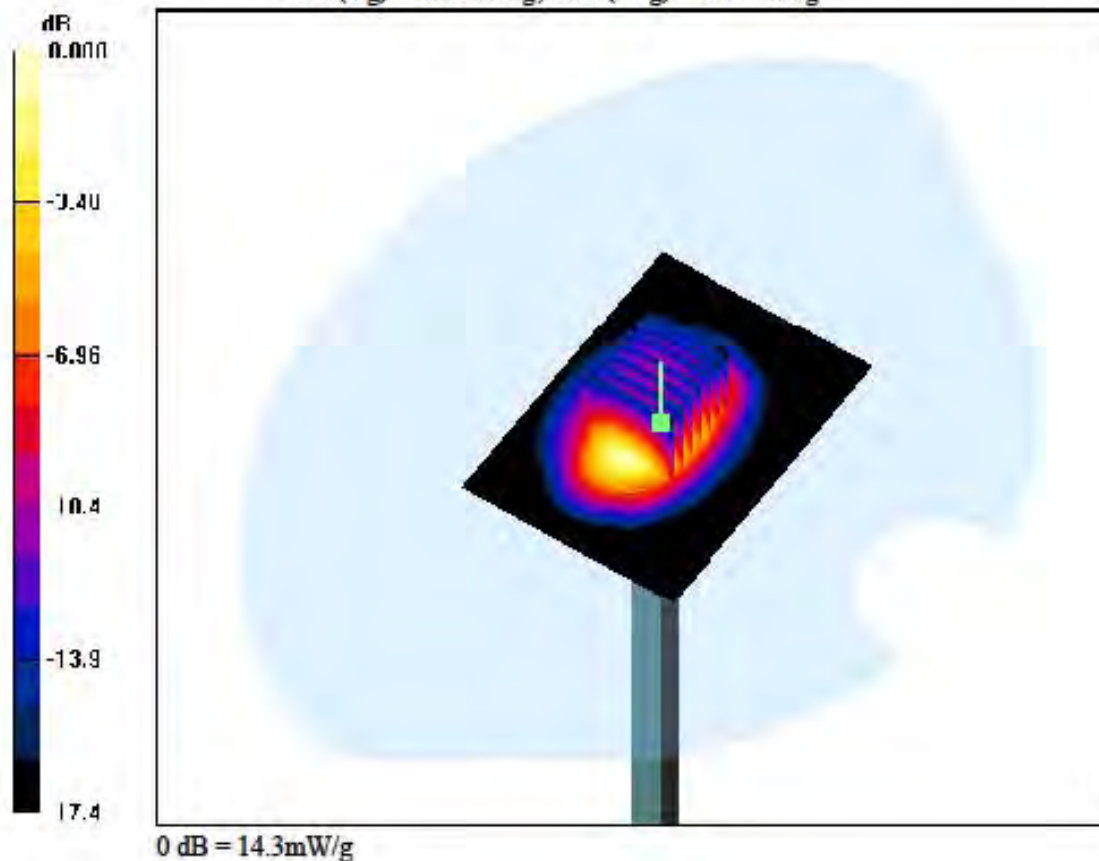
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

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 = 0.010 dB

Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 10.7 W/kg; SAR(10 g) = 5.57 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: $f = 2450 \text{ MHz}$; $\sigma = 1.81 \text{ mho/m}$; $\epsilon_r = 38.8$; $\rho = 1000 \text{ kg/m}^3$

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

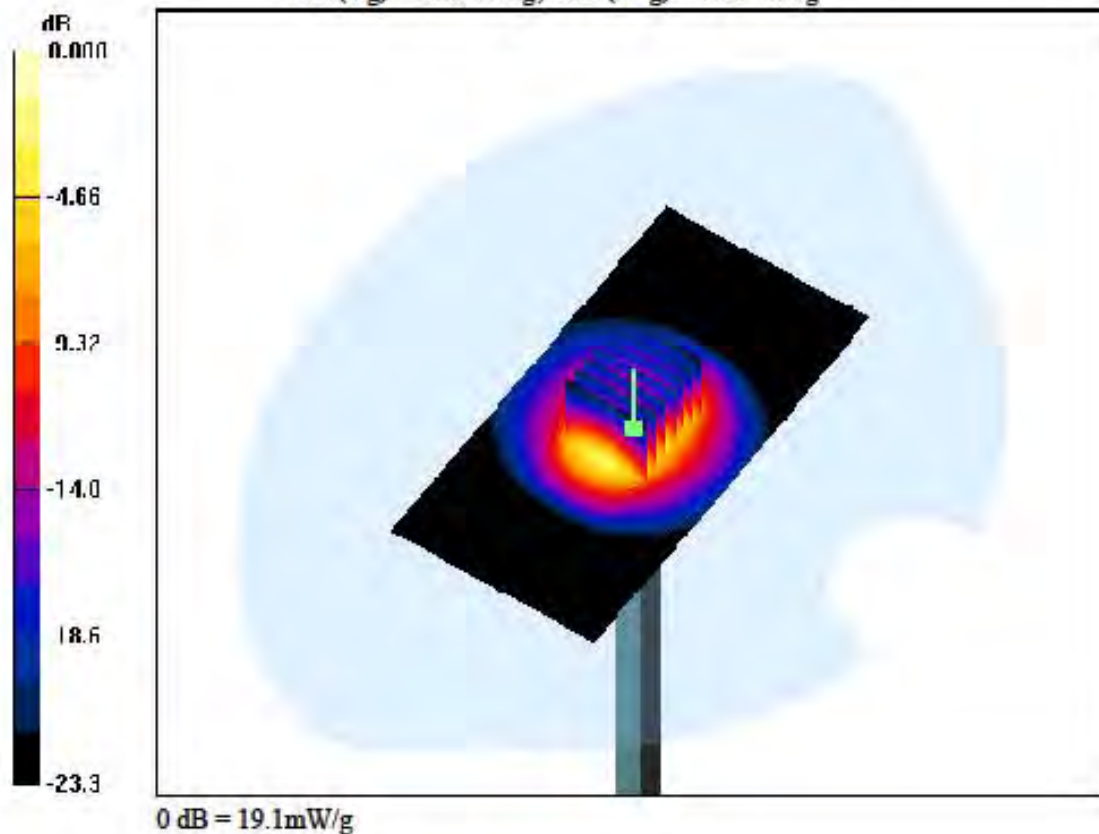
Test Date: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

Dipole Validation**Area Scan (51x101x1):** 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) = 29.0 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 5.93 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: $f = 2450 \text{ MHz}$; $\sigma = 1.98 \text{ mho/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$

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

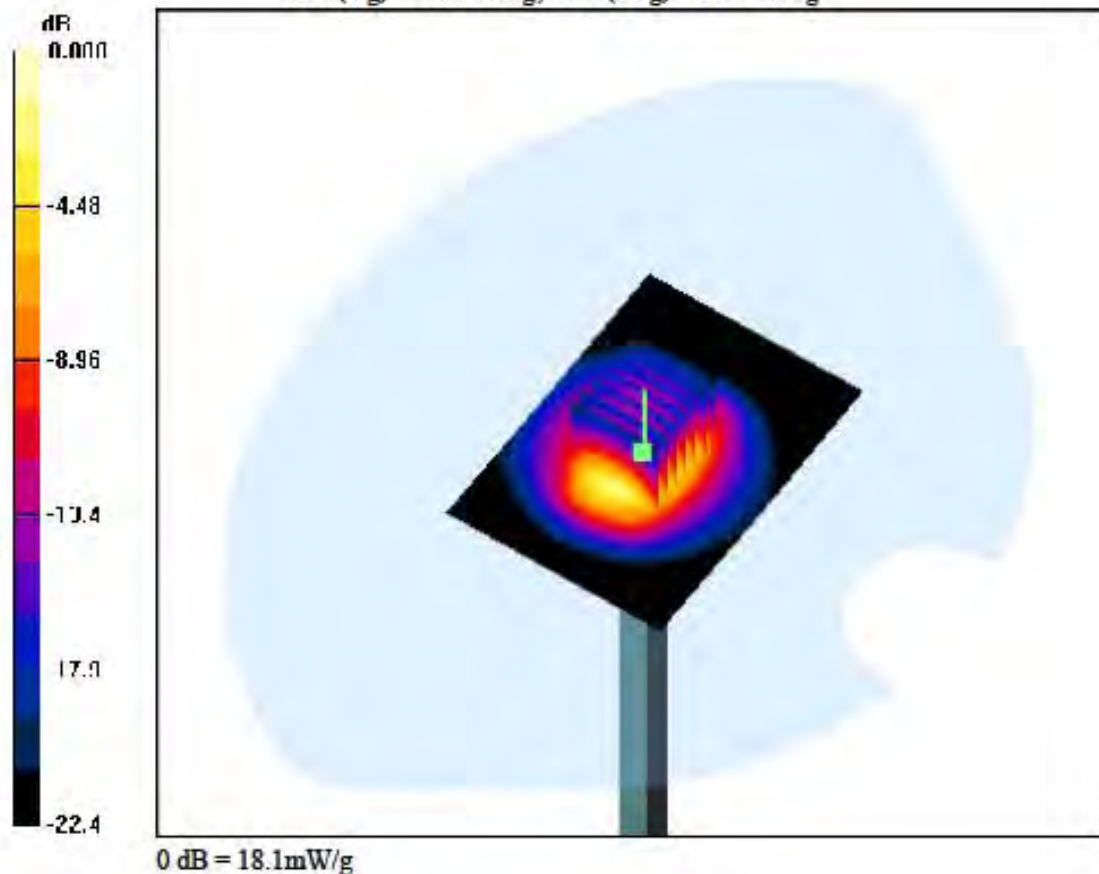
Test Date: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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 = -0.053 dB

Peak SAR (extrapolated) = 26.9 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.84 W/kg



Attachment 2. – SAR Test Plots

DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 824.333$ MHz; $\sigma = 0.87$ mho/m; $\epsilon_r = 42.4$; $\rho = 1000$ 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

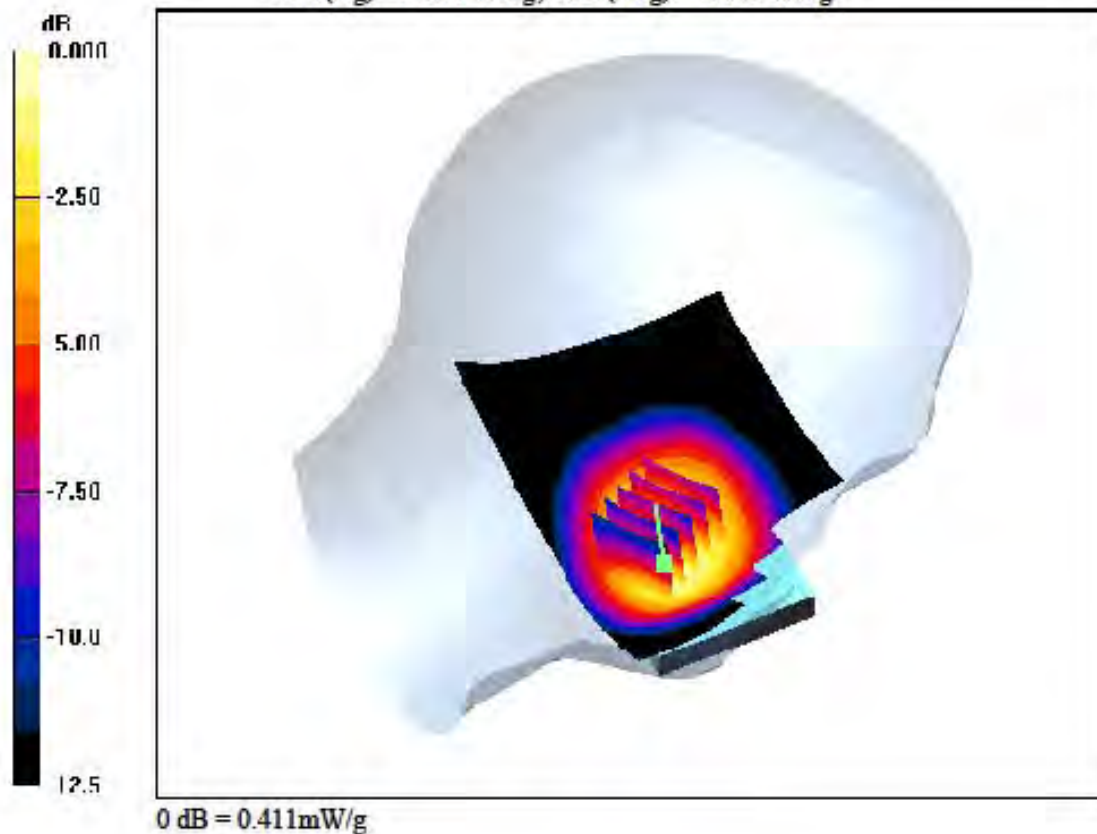
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = -0.040 dB

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.348 W/kg; SAR(10 g) = 0.245 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ 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

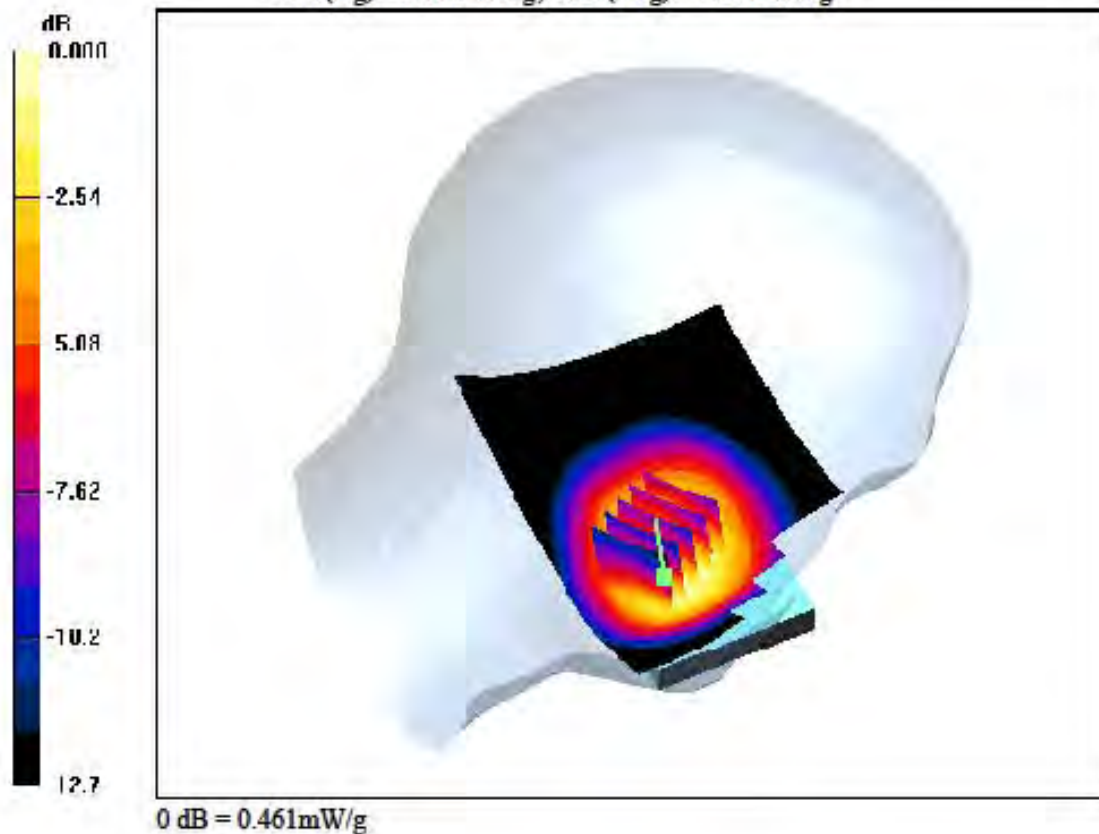
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = -0.065 dB

Peak SAR (extrapolated) = 0.565 W/kg

SAR(1 g) = 0.391 W/kg; SAR(10 g) = 0.271 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.892 \text{ mho/m}$; $\epsilon_r = 42.2$; $\rho = 1000 \text{ kg/m}^3$

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

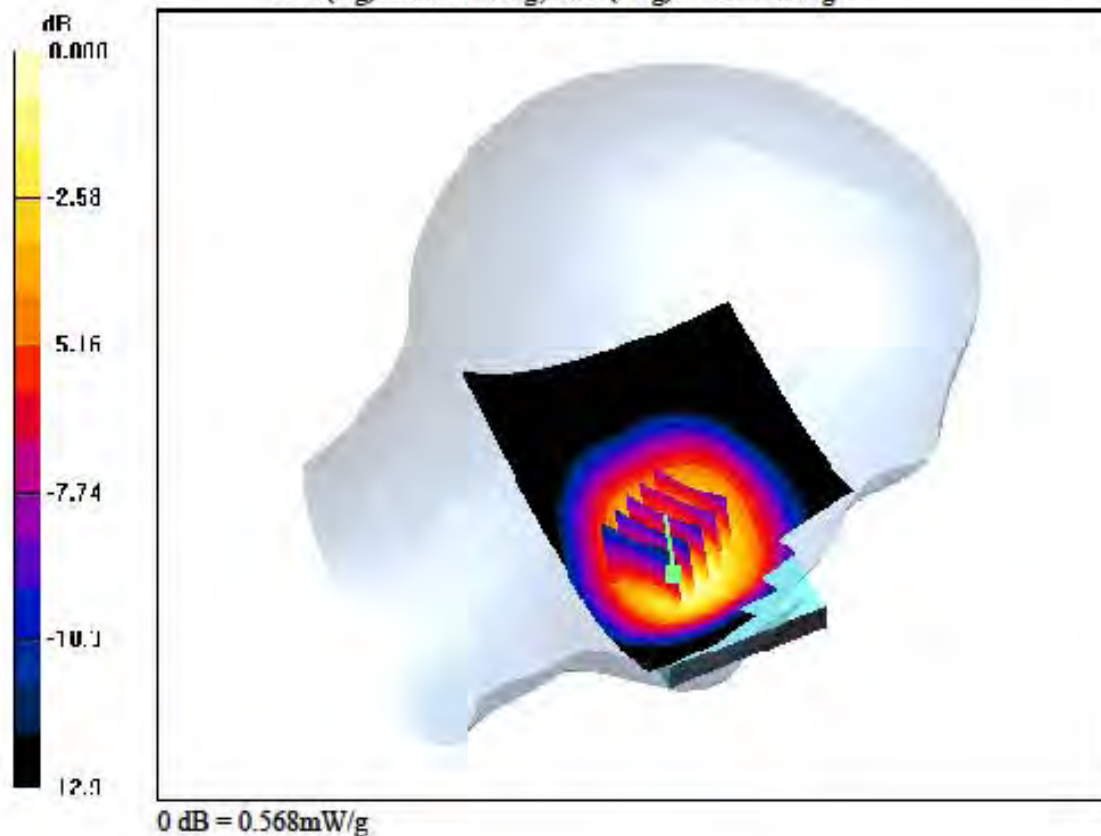
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = -0.055 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.338 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ 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

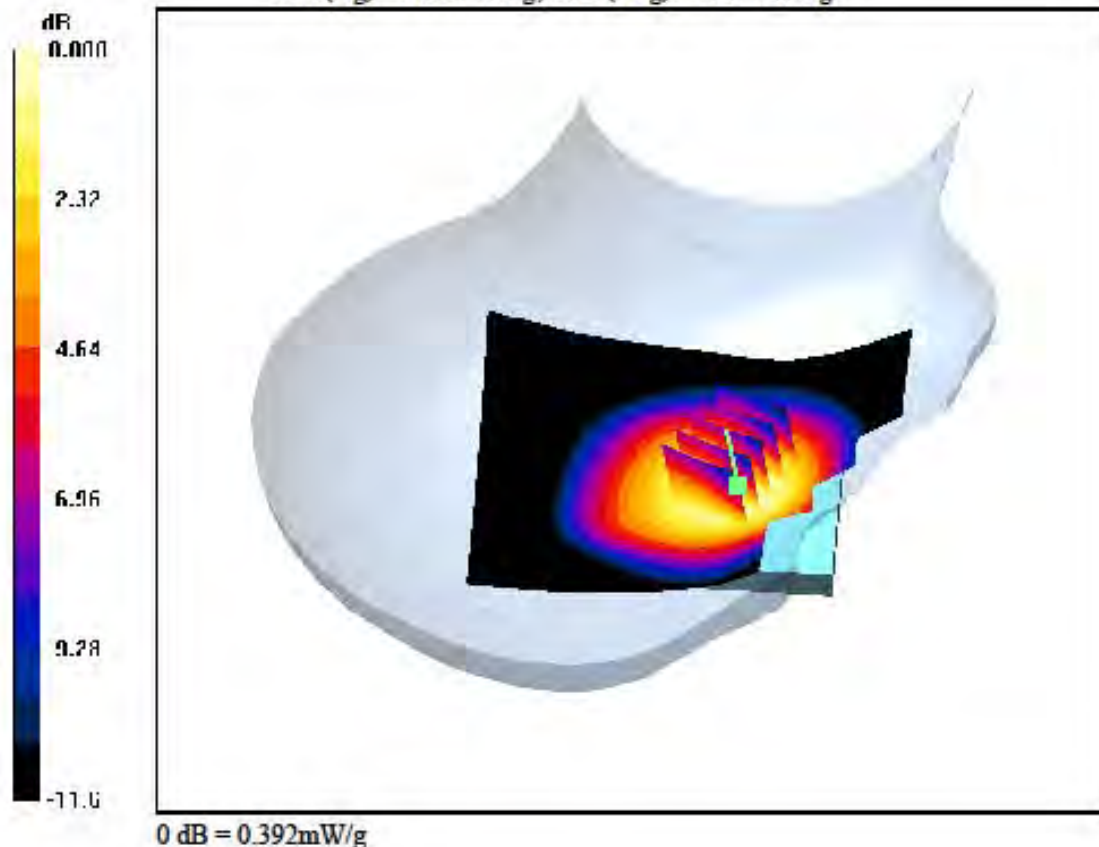
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = 0.114 dB

Peak SAR (extrapolated) = 0.446 W/kg

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.244 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ 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

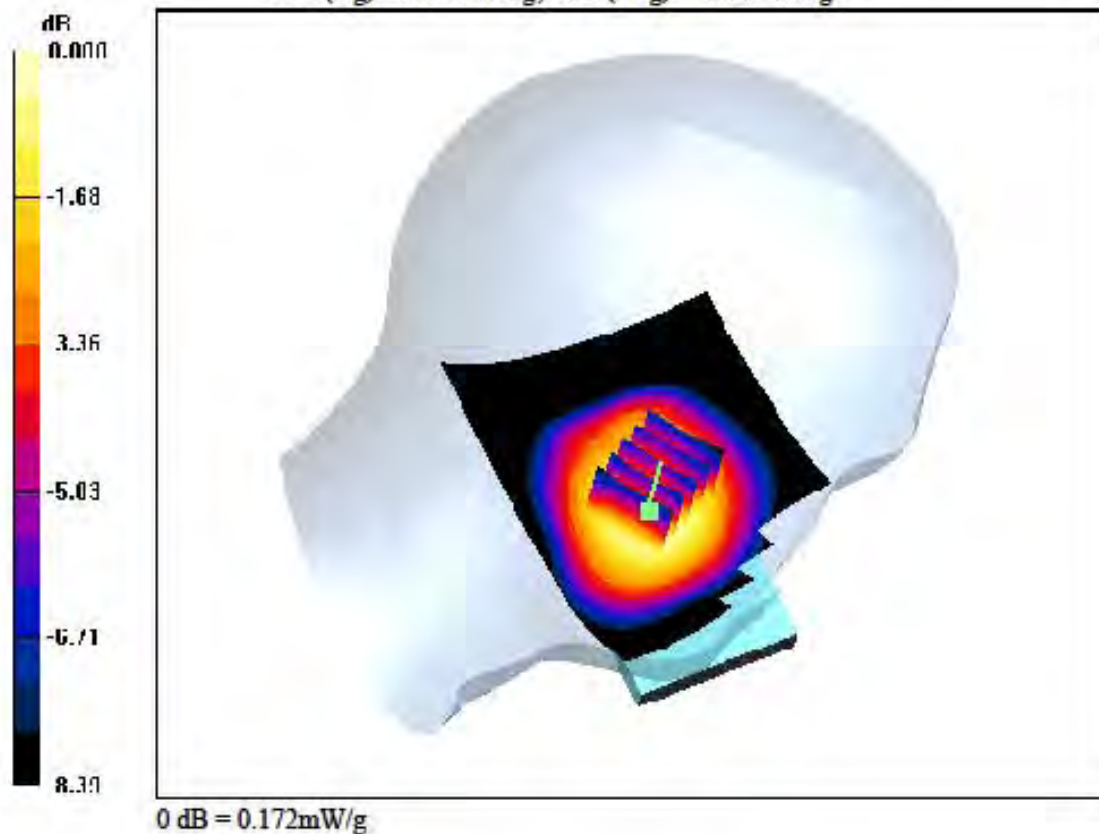
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = 0.090 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.154 W/kg; SAR(10 g) = 0.116 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.3$; $\rho = 1000$ 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

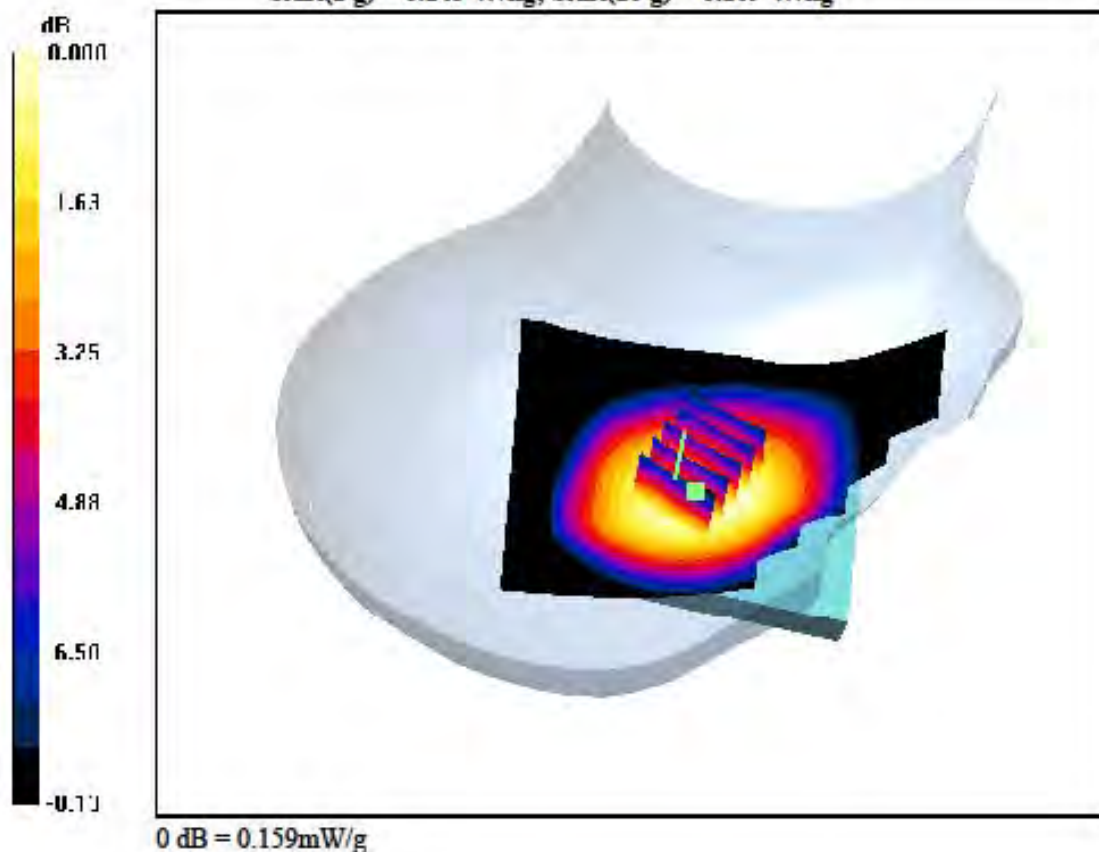
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

Right 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 = 0.091 dB

Peak SAR (extrapolated) = 0.178 W/kg

SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.109 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.33 \text{ MHz}$; $\sigma = 1.38 \text{ mho/m}$; $\epsilon_r = 39.3$; $\rho = 1000 \text{ kg/m}^3$

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

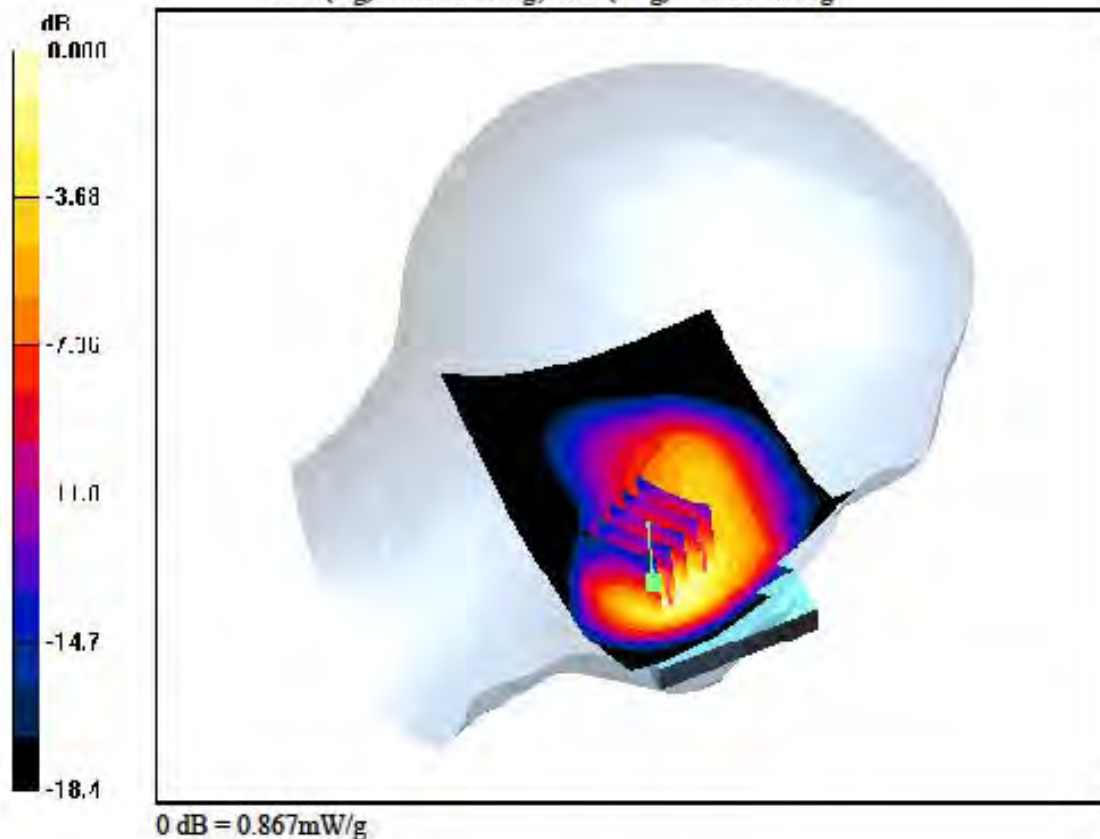
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

Left Touch, PCS1900 Ch. 512, 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 = 0.054 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.419 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

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

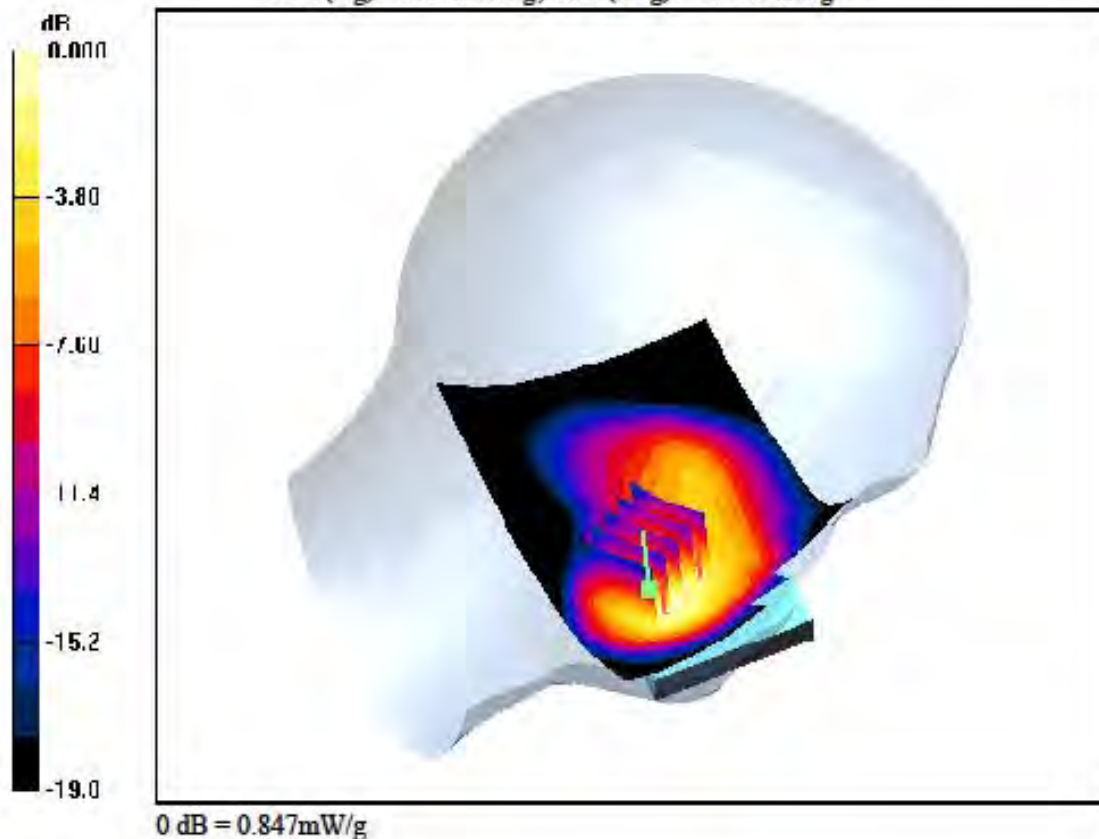
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

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 = -0.026 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.672 W/kg; SAR(10 g) = 0.403 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 39$; $\rho = 1000 \text{ kg/m}^3$

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

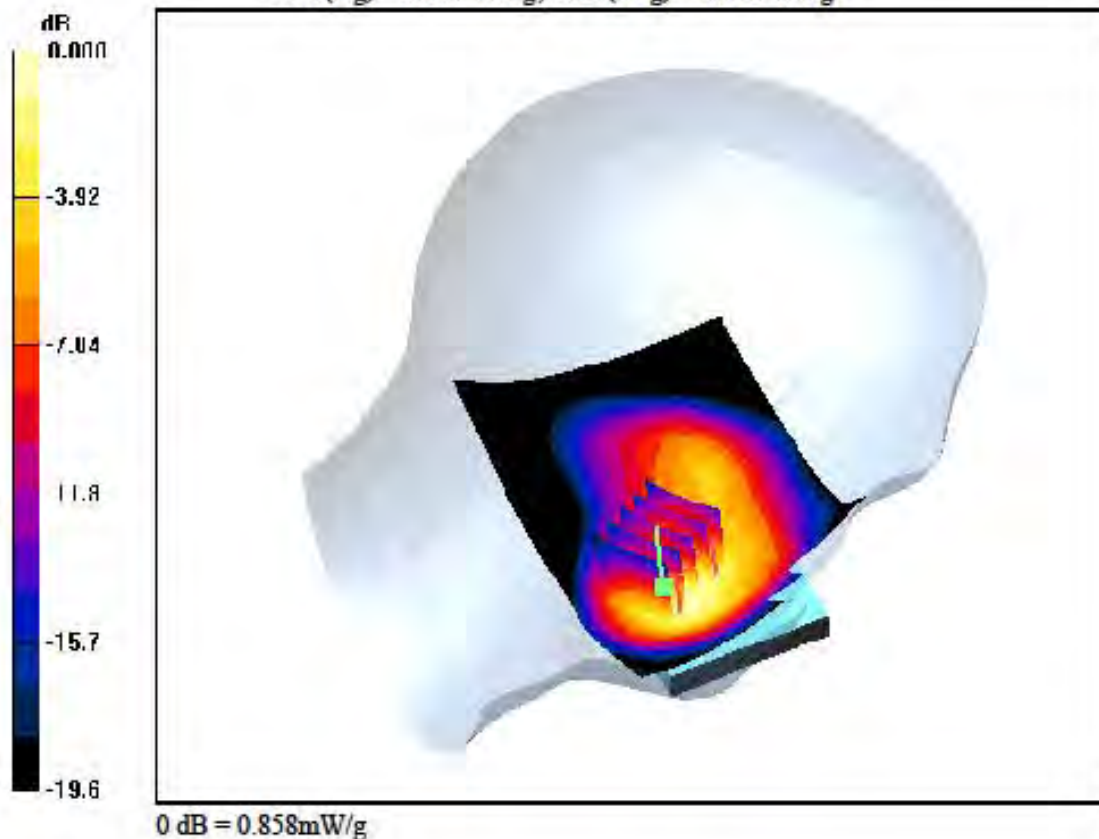
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

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 = 0.000 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.677 W/kg; SAR(10 g) = 0.402 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

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

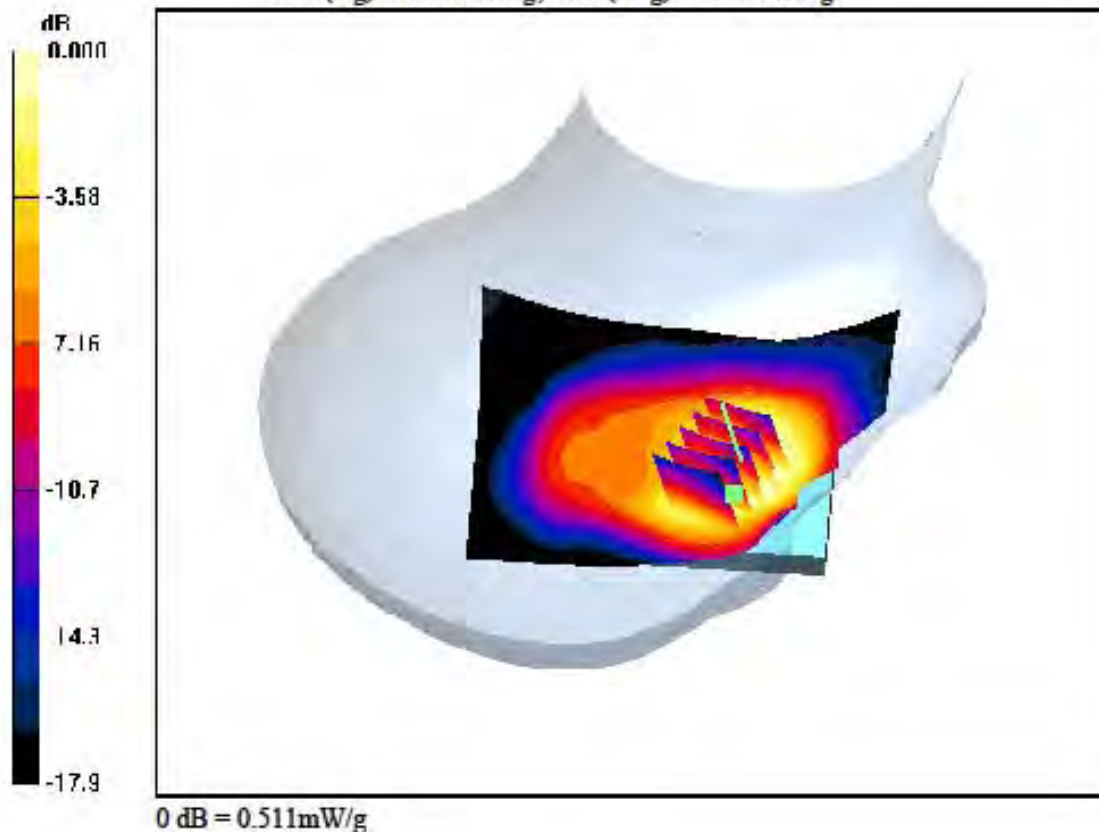
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

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 = 0.026 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.421 W/kg; SAR(10 g) = 0.275 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$
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

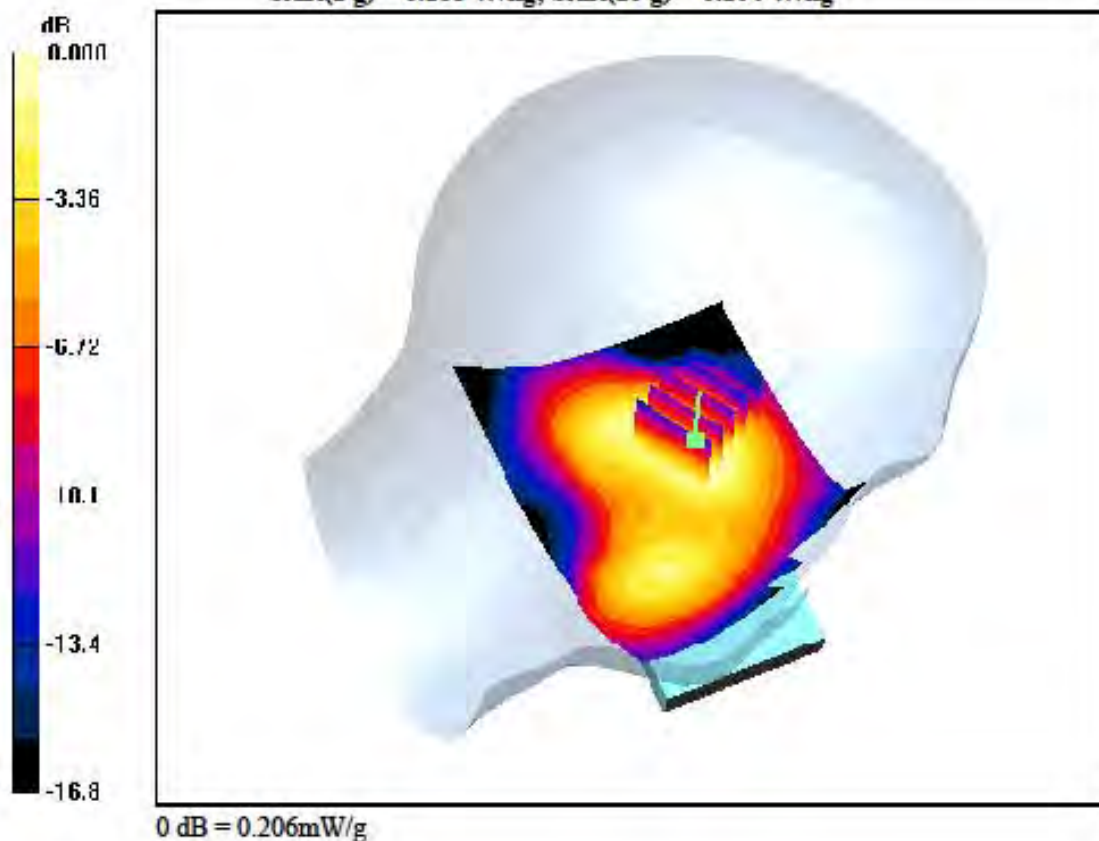
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

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 = 0.007 dB

Peak SAR (extrapolated) = 0.259 W/kg

SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.104 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.41 \text{ mho/m}$; $\epsilon_r = 39.1$; $\rho = 1000 \text{ kg/m}^3$

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

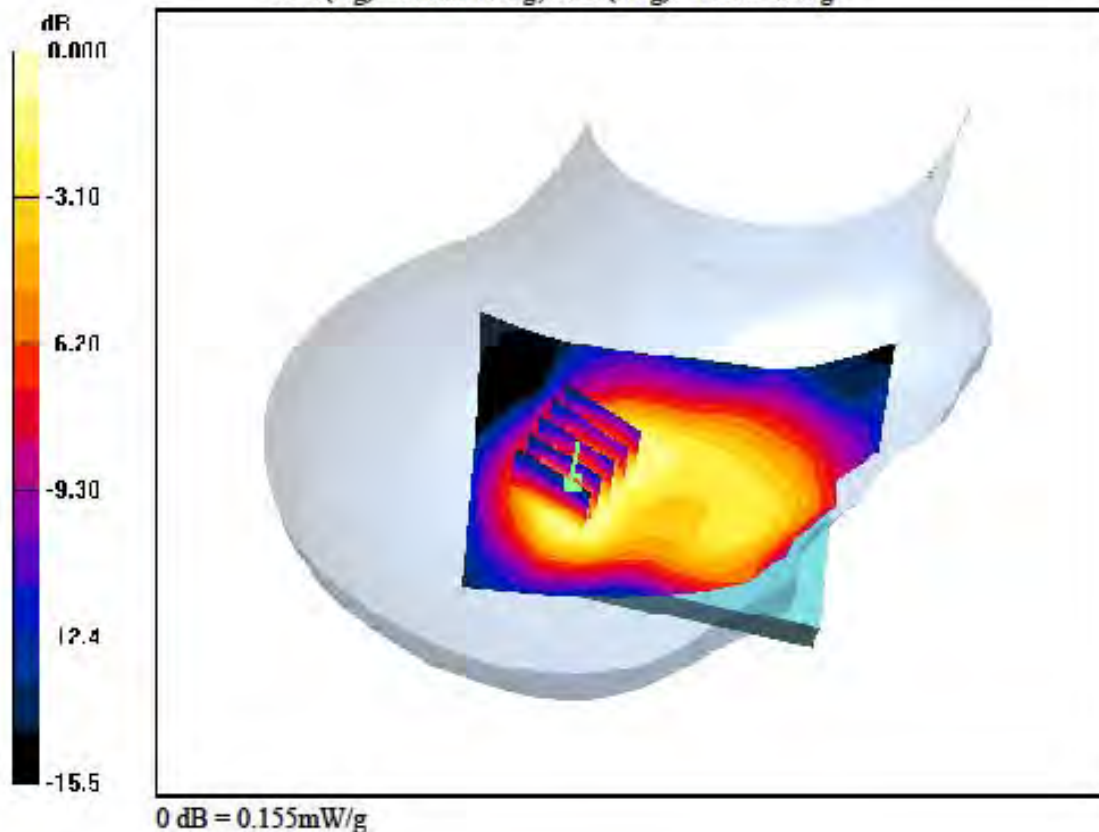
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

Right 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 = 0.021 dB

Peak SAR (extrapolated) = 0.193 W/kg

SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.076 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used (interpolated): $f = 826.4$ MHz; $\sigma = 0.873$ 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

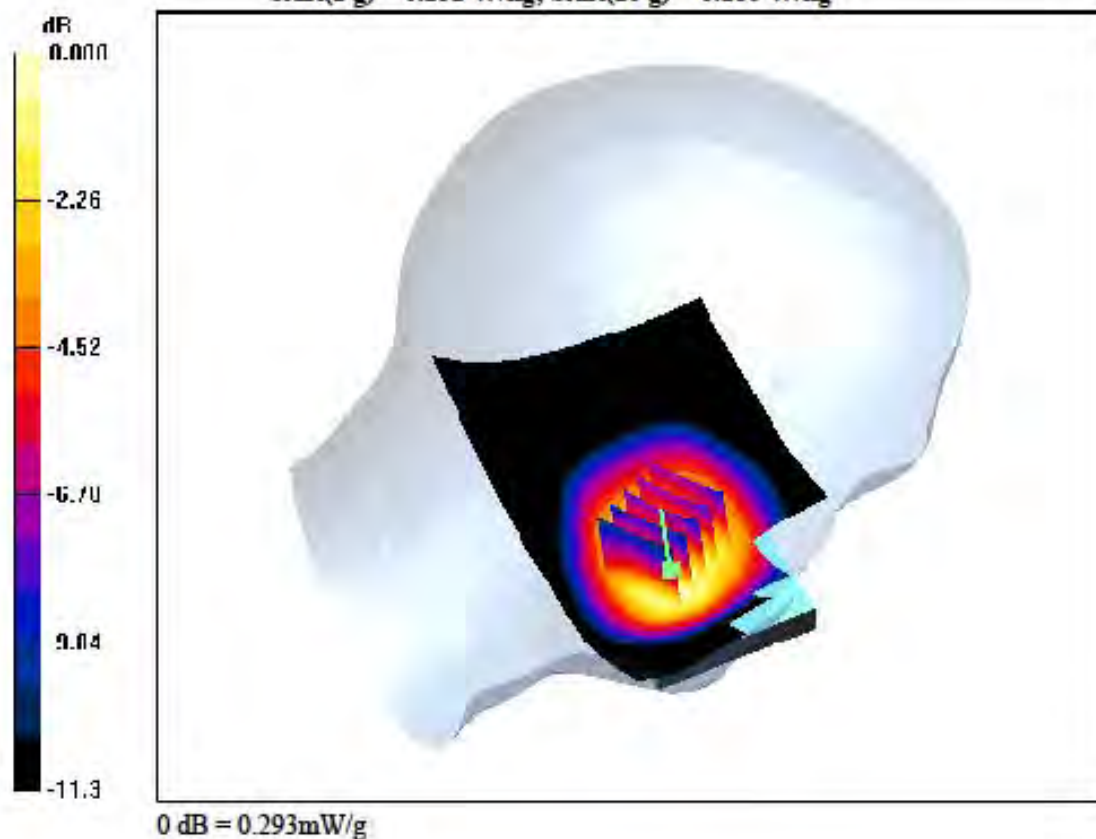
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

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 = 0.027 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.252 W/kg; SAR(10 g) = 0.180 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.883$ 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

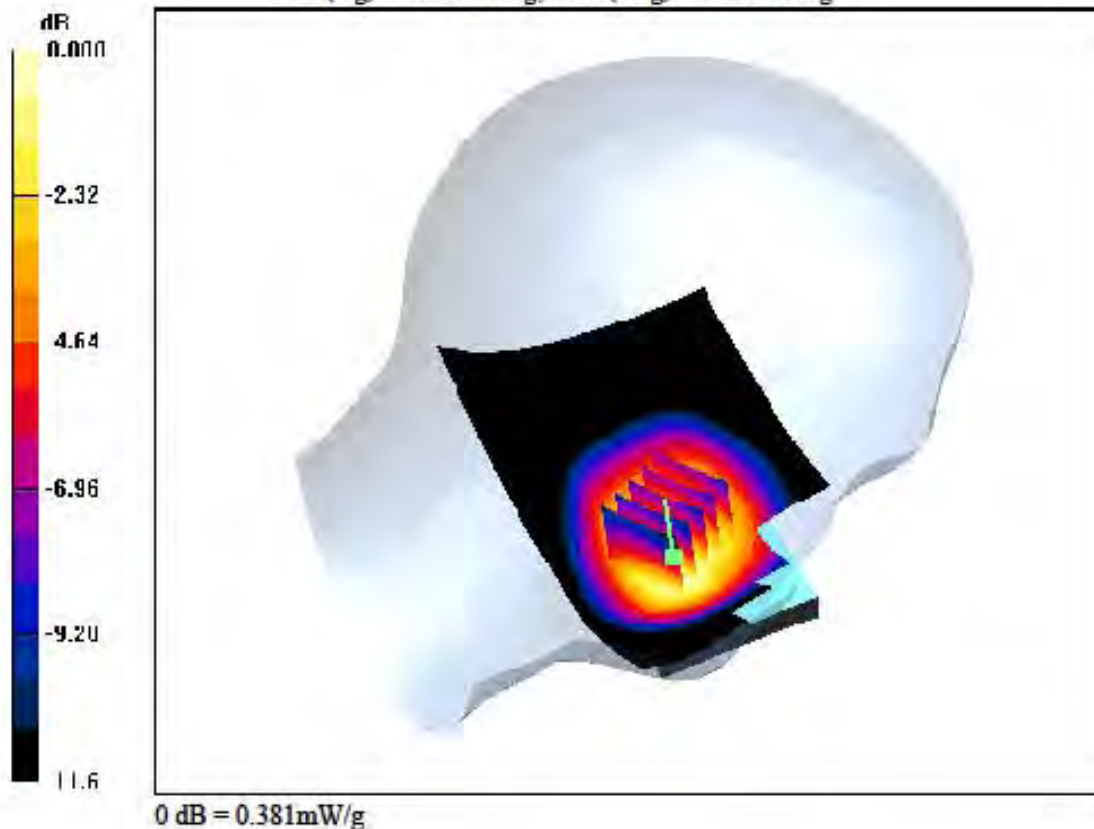
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Left Touch, WCDMA850 Ch. 4183, 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 = -0.096 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.231 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 846.667$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 42.8$; $\rho = 1000$ 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

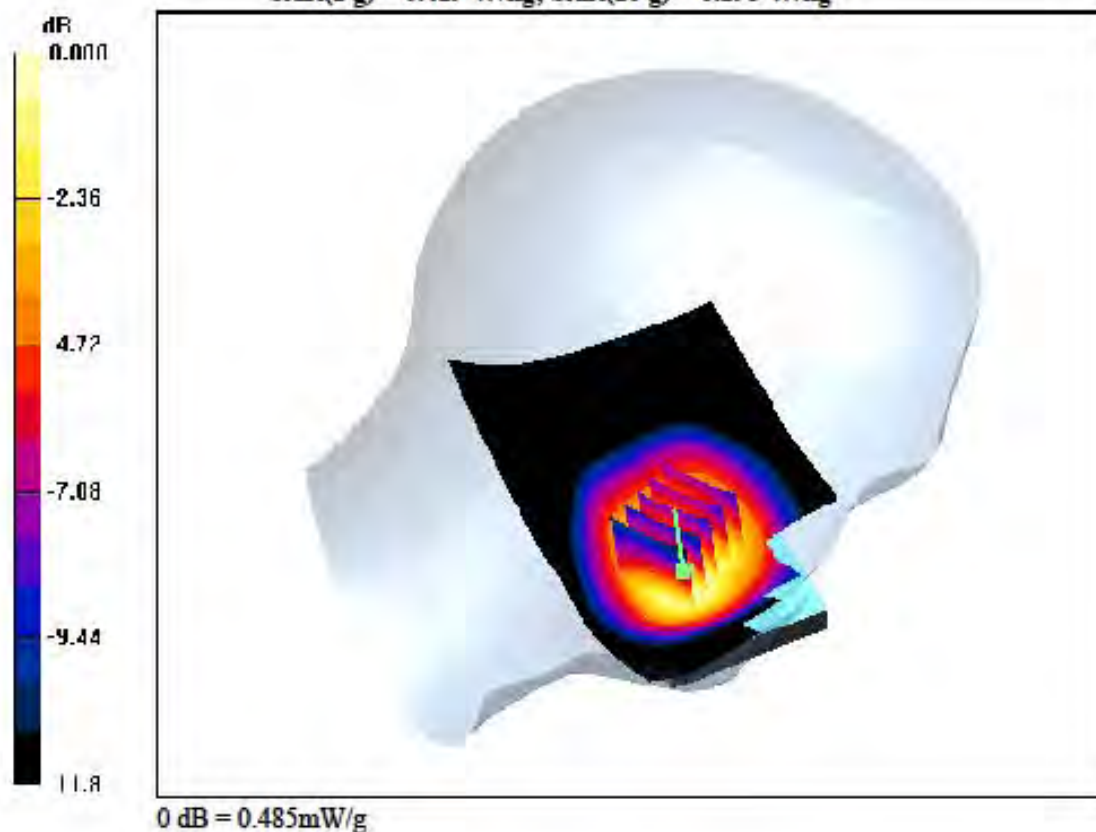
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Left Touch, WCDMA850 Ch. 4233, 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 = 0.019 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.295 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.883$ 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

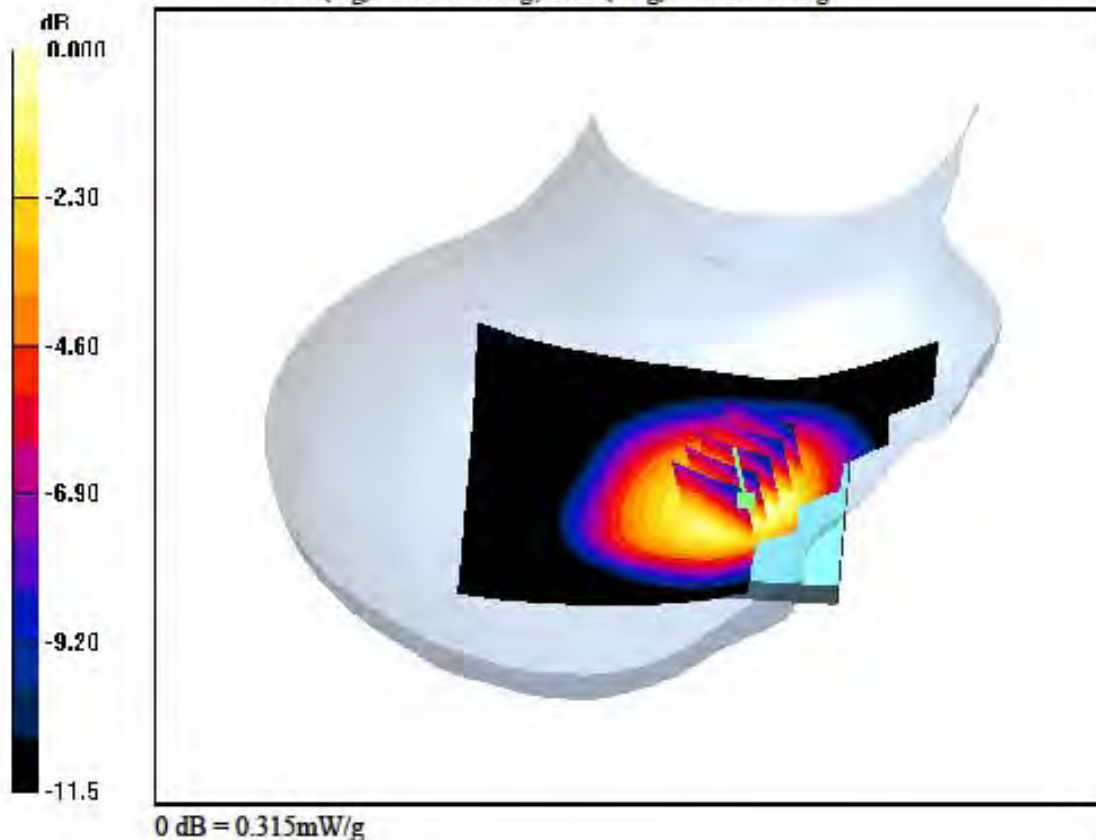
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Right Touch, WCDMA850 Ch. 4183, 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 = 0.159 dB

Peak SAR (extrapolated) = 0.364 W/kg

SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.199 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.883$ 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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

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

Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.172 W/kg; SAR(10 g) = 0.130 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.883$ 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

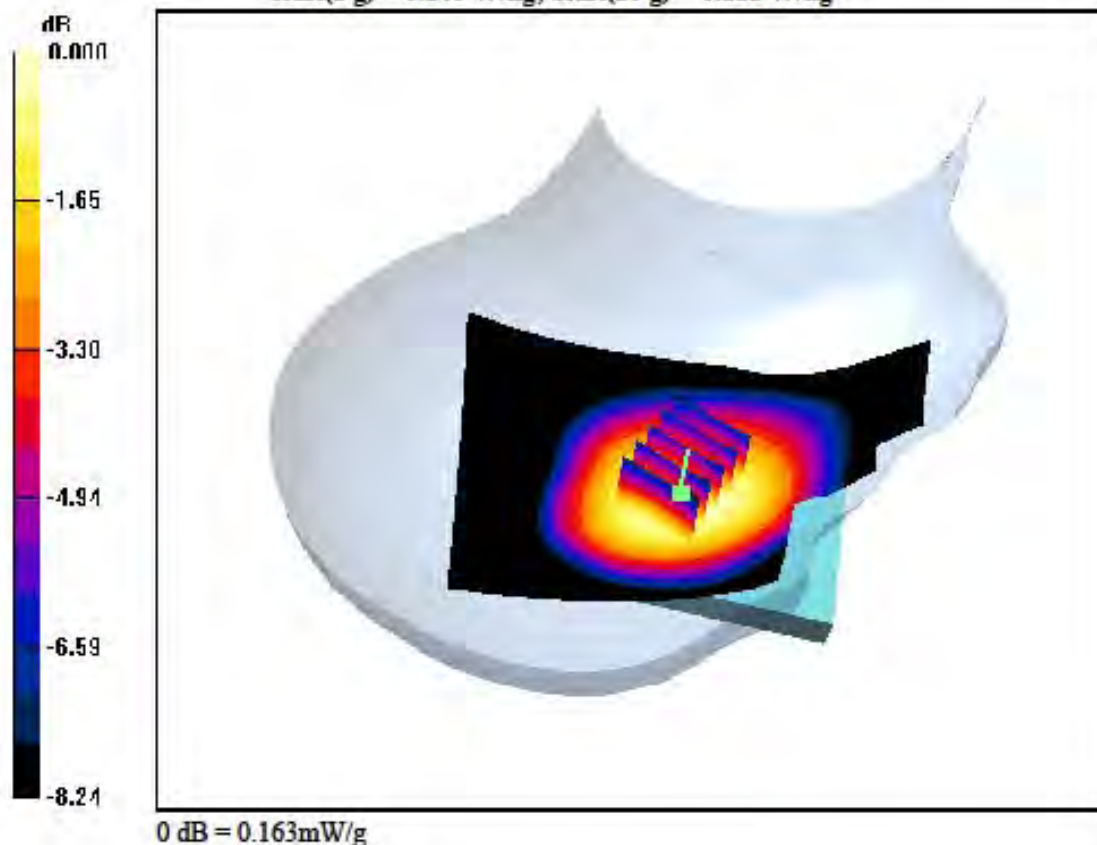
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Right Tilt, WCDMA850 Ch. 4183, 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 = -0.047 dB

Peak SAR (extrapolated) = 0.181 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.111 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.8 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$

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

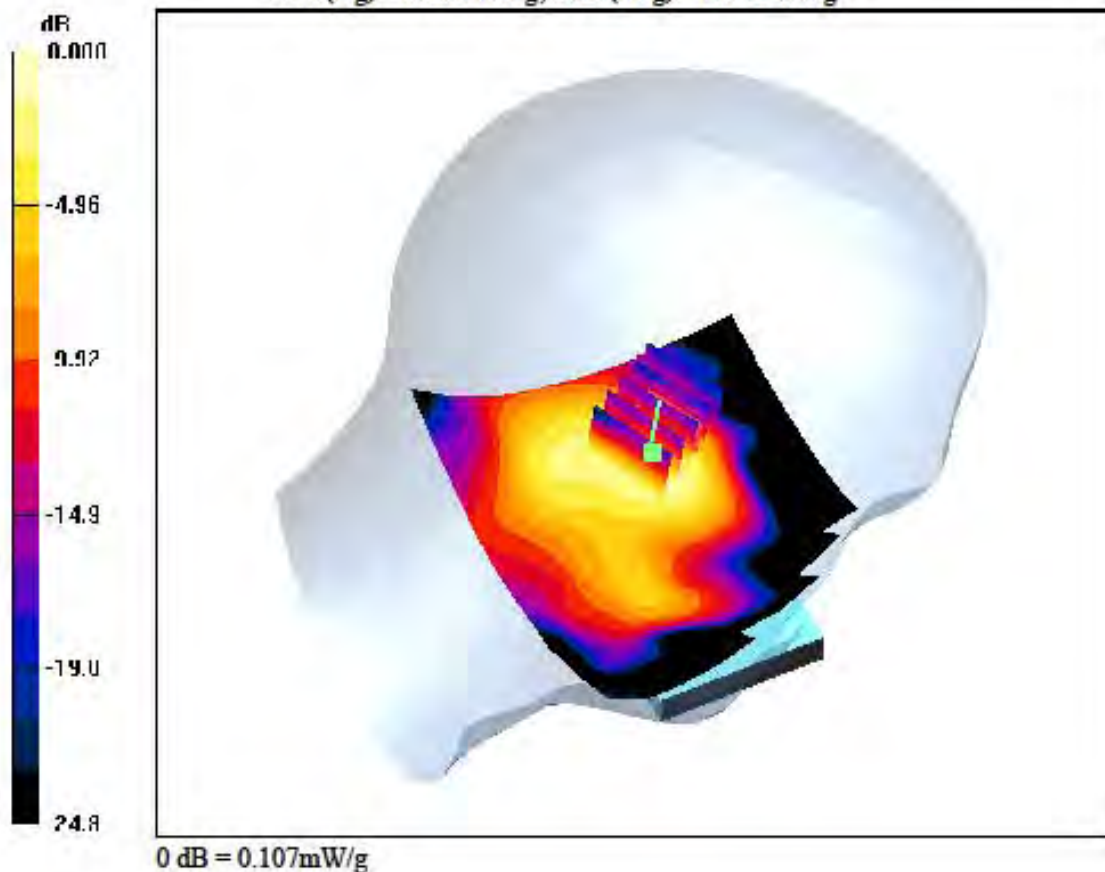
Test Date: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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 = 0.164 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.041 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.76 \text{ mho/m}$; $\epsilon_r = 38.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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

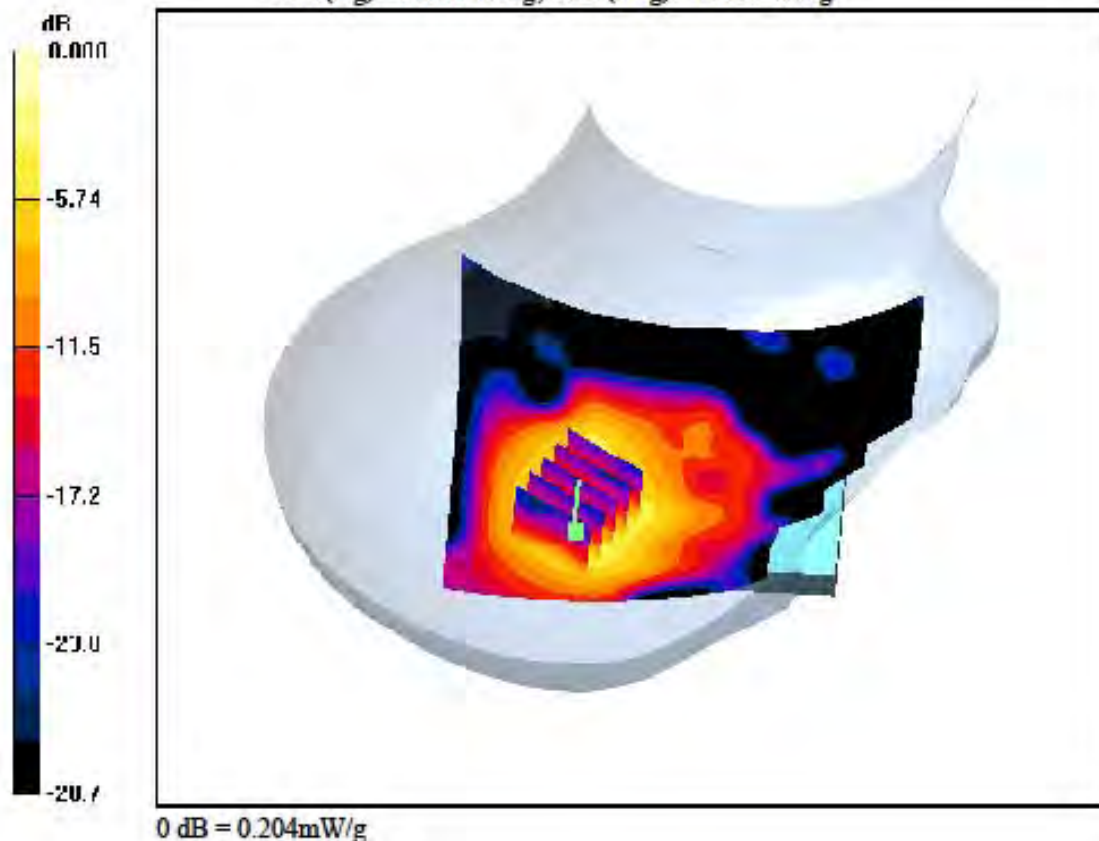
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.057 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.8 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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

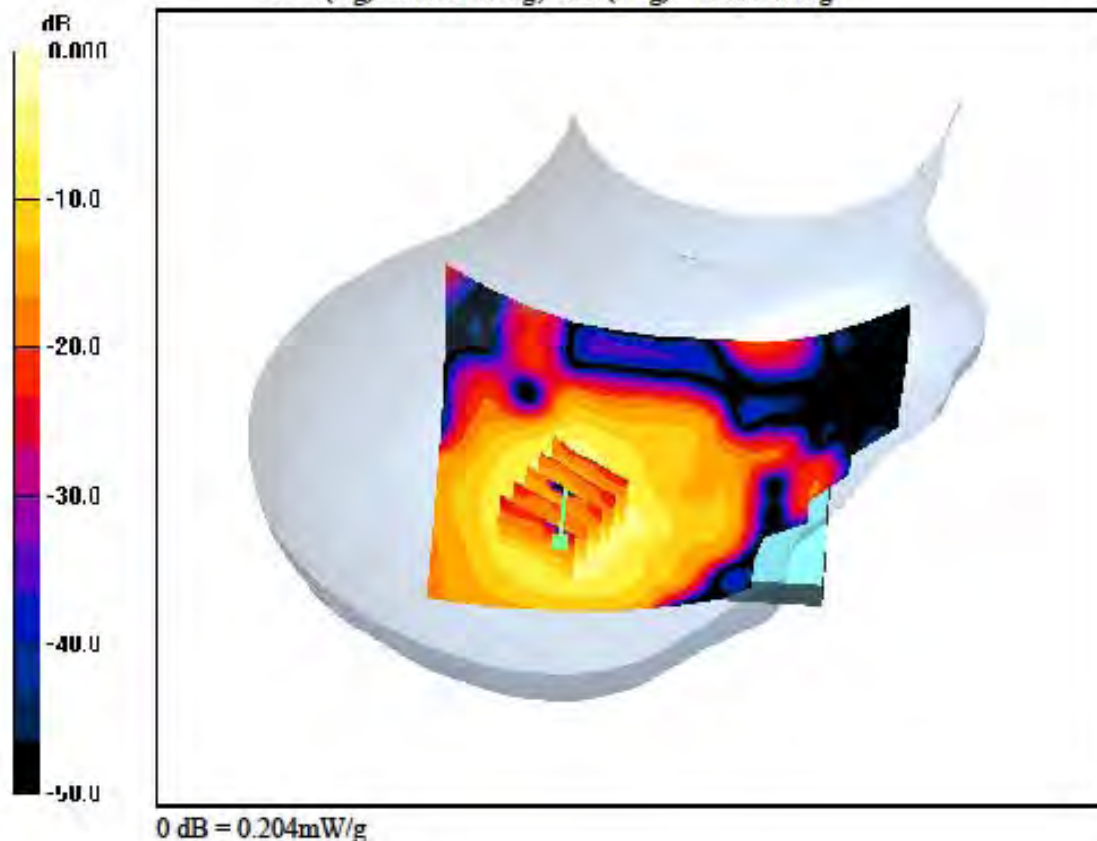
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.120 dB

Peak SAR (extrapolated) = 0.338 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.056 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.83 \text{ mho/m}$; $\epsilon_r = 38.9$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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

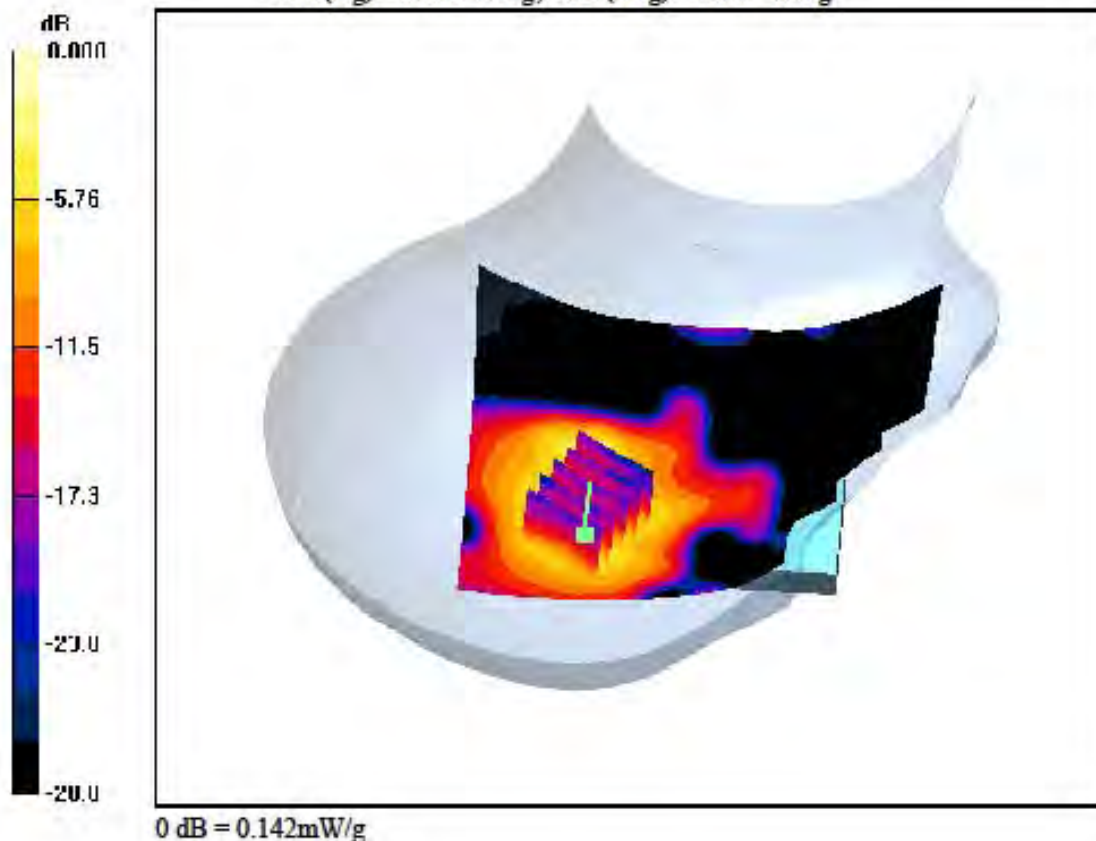
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.172 dB

Peak SAR (extrapolated) = 0.245 W/kg

SAR(1 g) = 0.093 W/kg; SAR(10 g) = 0.039 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437$ MHz; $\sigma = 1.8$ mho/m; $\epsilon_r = 38.7$; $\rho = 1000$ kg/m³
Phantom section: Left Section

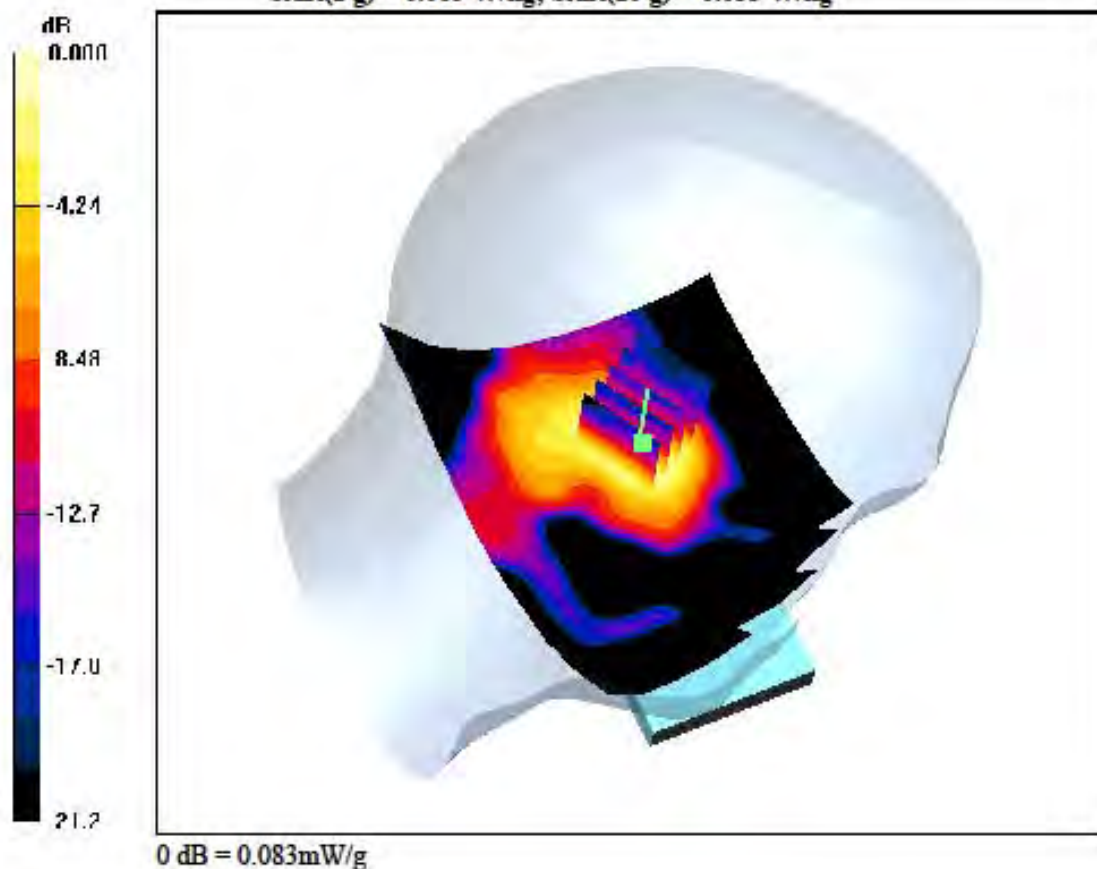
DASY4 Configuration:

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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

Left 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 = -0.168 dB
Peak SAR (extrapolated) = 0.127 W/kg
SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.033 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.8 \text{ mho/m}$; $\epsilon_r = 38.7$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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

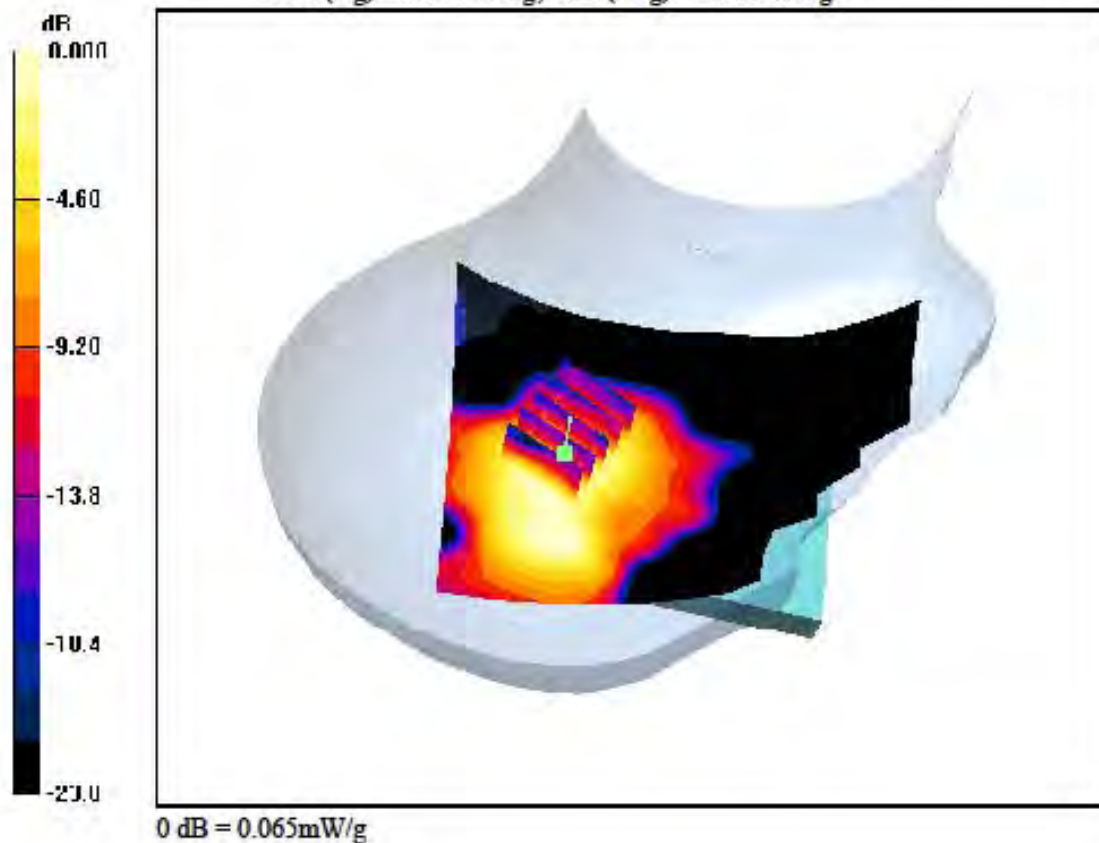
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.096 W/kg

SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.025 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Bottom, GSM850 GPRS Class 11, Ch. 190, Ant. Internal

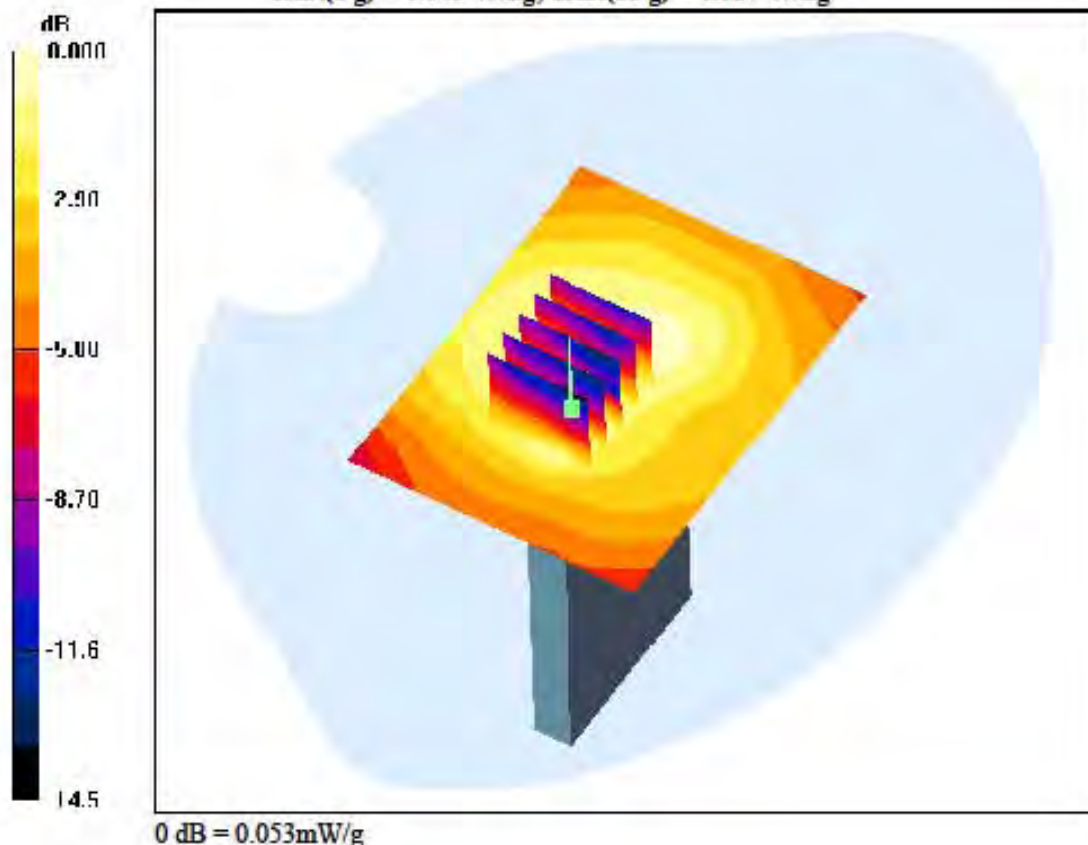
Area Scan (61x81x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.141 dB

Peak SAR (extrapolated) = 0.081 W/kg

SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.027 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

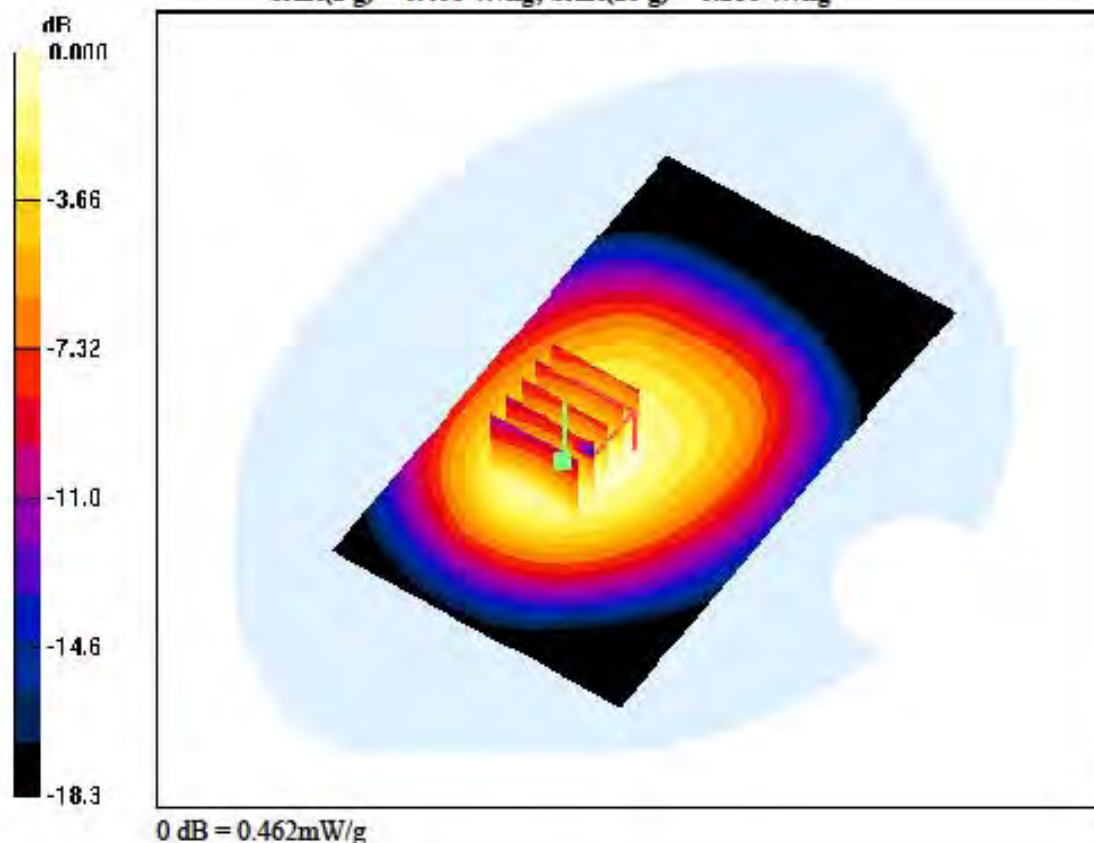
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = -0.025 dB

Peak SAR (extrapolated) = 0.569 W/kg

SAR(1 g) = 0.406 W/kg; SAR(10 g) = 0.286 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

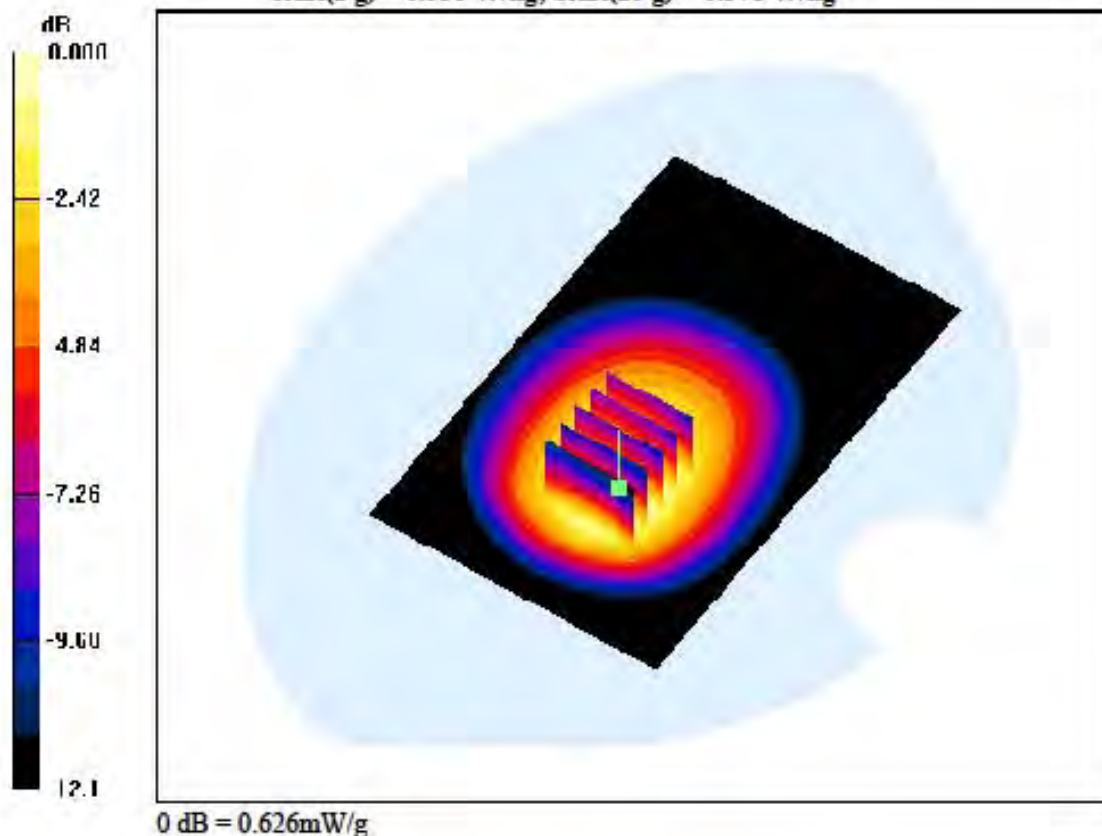
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = -0.016 dB

Peak SAR (extrapolated) = 0.741 W/kg

SAR(1 g) = 0.538 W/kg; SAR(10 g) = 0.378 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

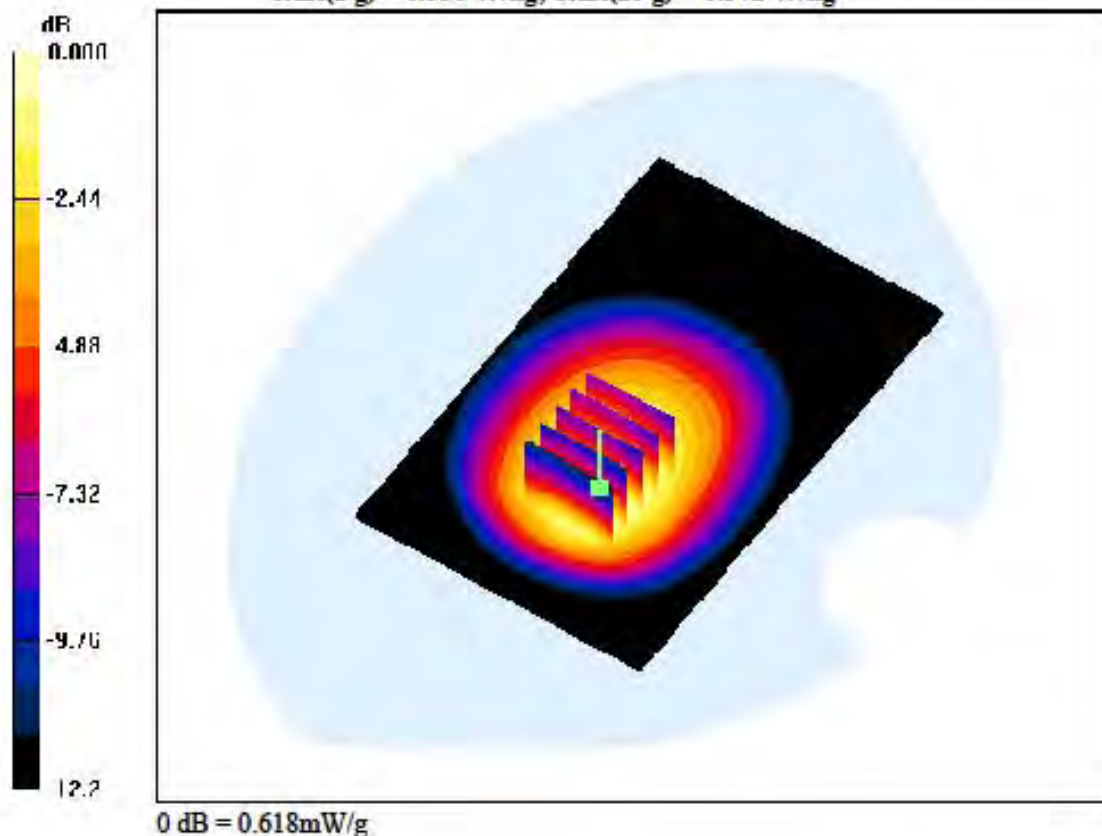
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = 0.007 dB

Peak SAR (extrapolated) = 0.729 W/kg

SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.372 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

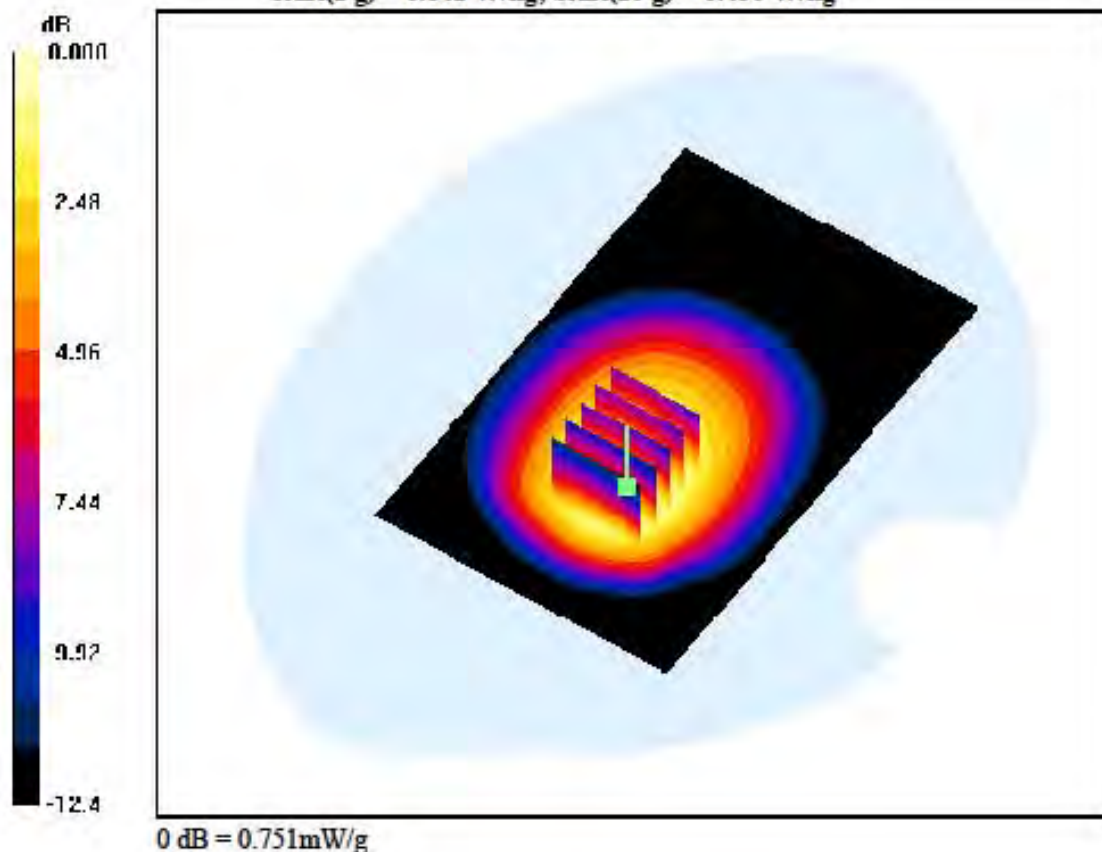
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = -0.102 dB

Peak SAR (extrapolated) = 0.896 W/kg

SAR(1 g) = 0.642 W/kg; SAR(10 g) = 0.450 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 824.333$ MHz; $\sigma = 0.94$ mho/m; $\epsilon_r = 53.4$; $\rho = 1000$ 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

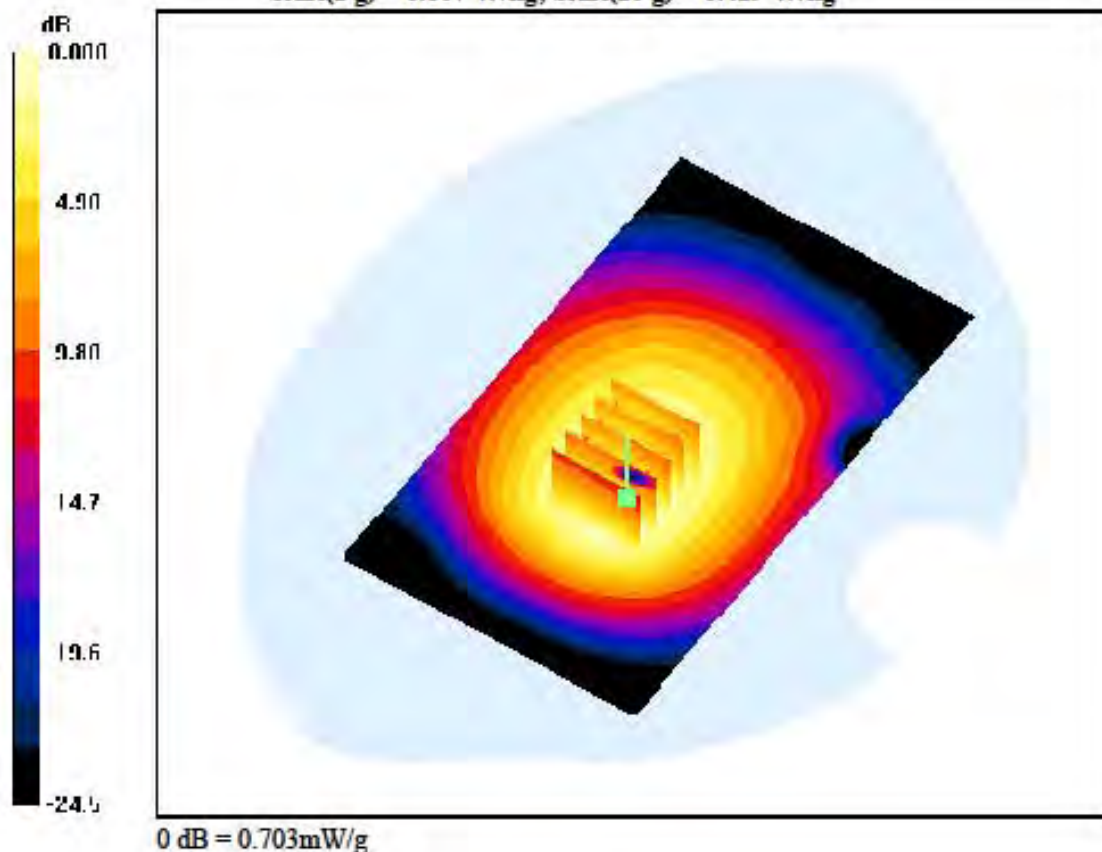
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

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 = 0.101 dB

Peak SAR (extrapolated) = 0.836 W/kg

SAR(1 g) = 0.607 W/kg; SAR(10 g) = 0.429 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

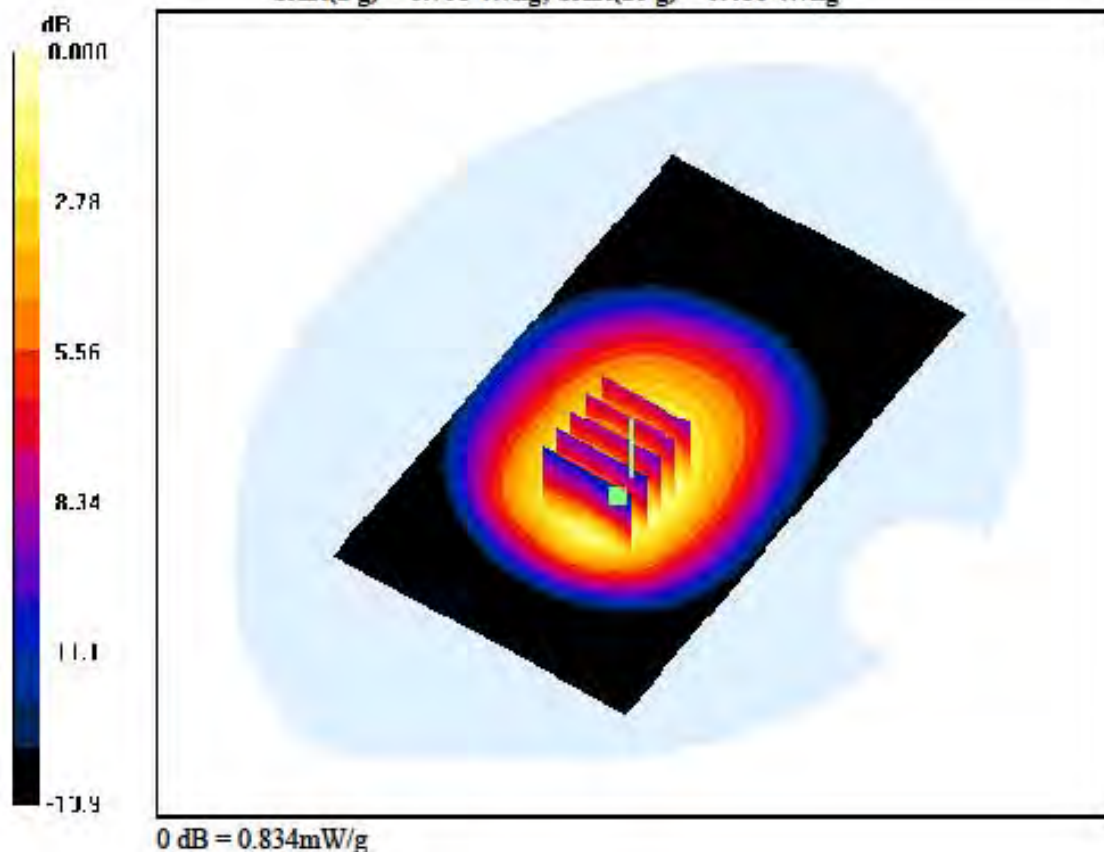
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Rear, 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 = -0.001 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.708 W/kg; SAR(10 g) = 0.486 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 848.8 \text{ MHz}$; $\sigma = 0.963 \text{ mho/m}$; $\epsilon_r = 53.2$; $\rho = 1000 \text{ kg/m}^3$

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

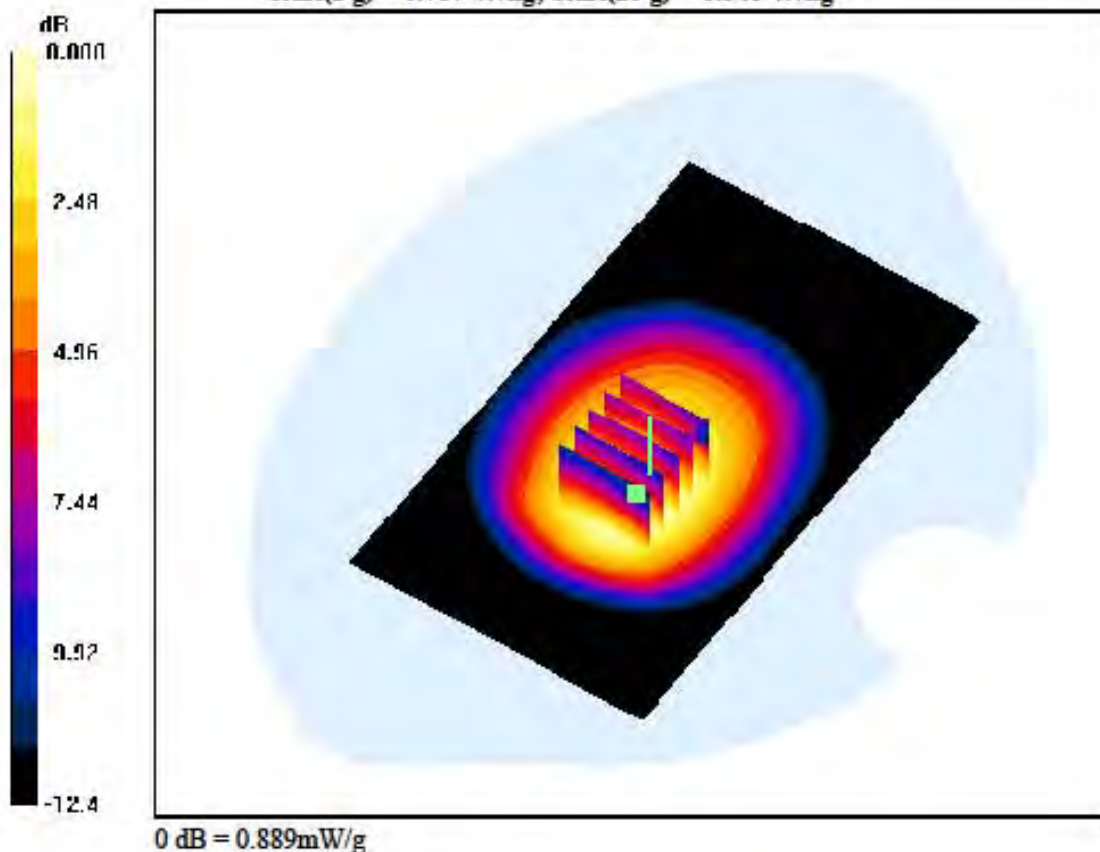
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Rear, GSM850 GPRS Class 11, Ch. 251, Ant. Internal**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 = -0.016 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.546 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

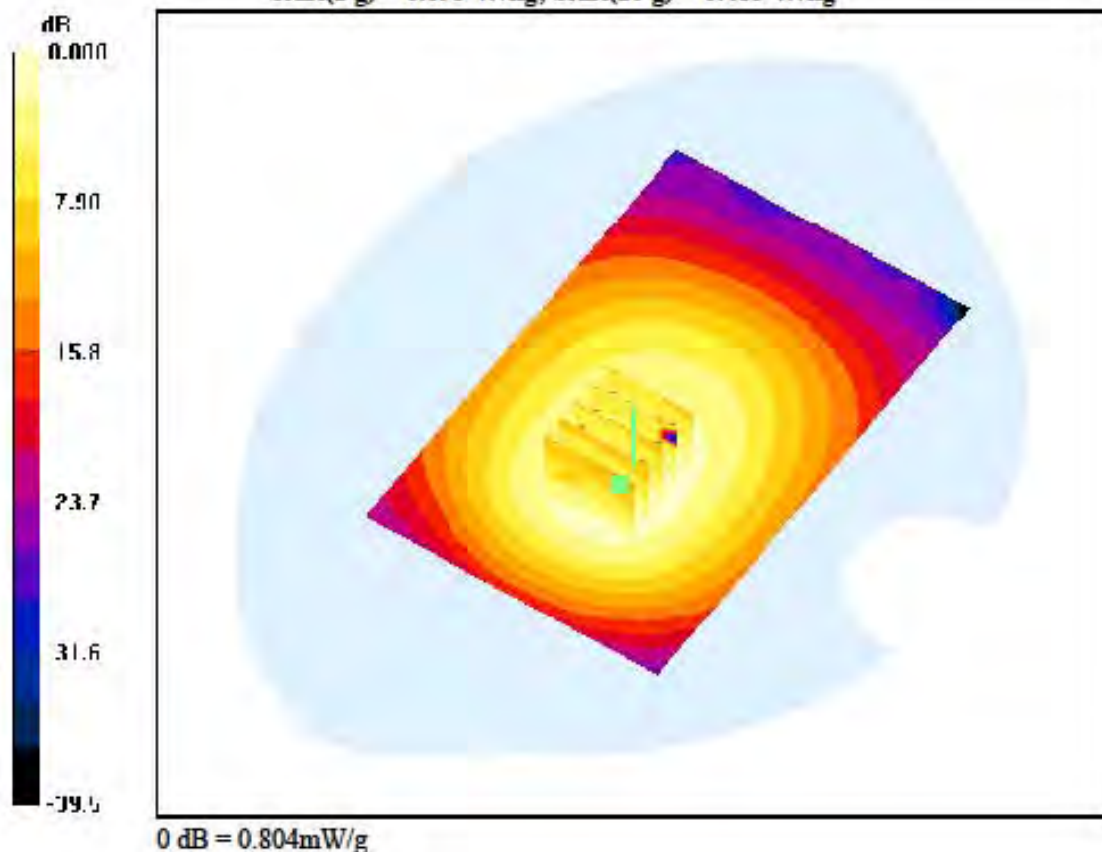
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Rear, GSM850 GPRS Class 12, 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 = 0.044 dB

Peak SAR (extrapolated) = 0.956 W/kg

SAR(1 g) = 0.693 W/kg; SAR(10 g) = 0.485 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

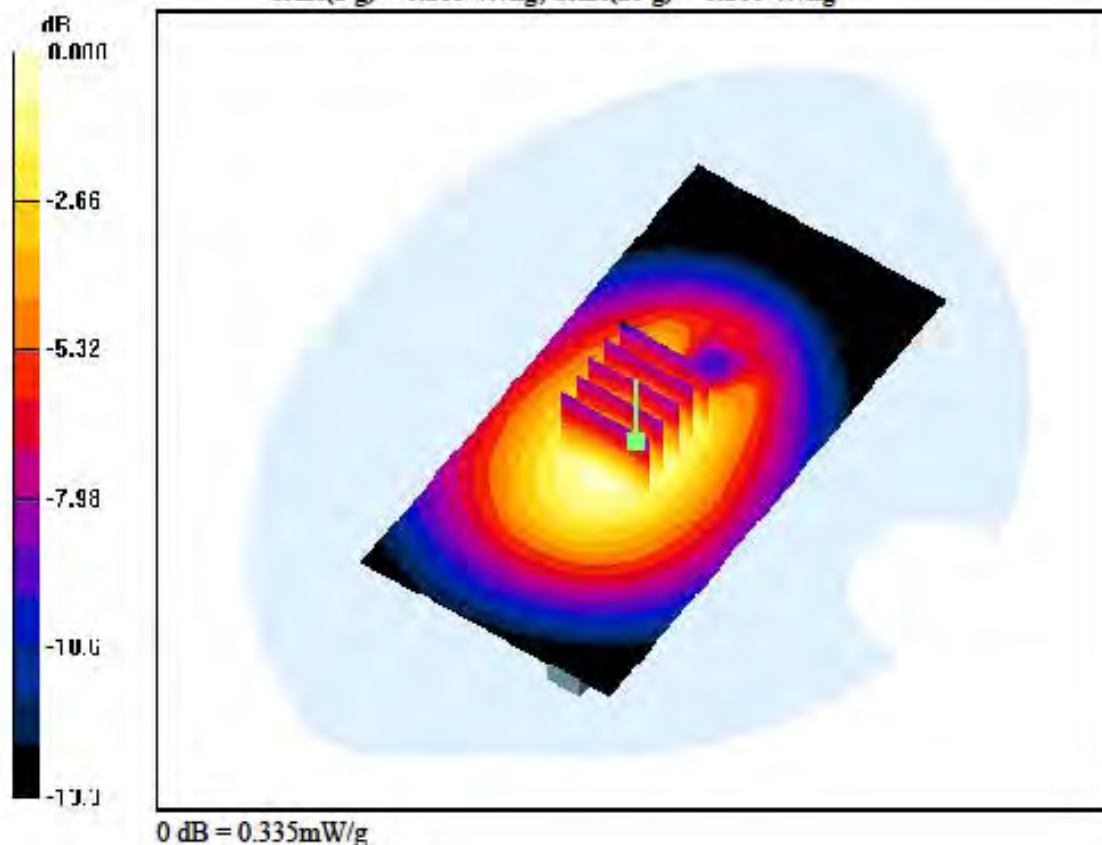
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Right, GSM850 GPRS Class 11, Ch. 190, Ant. Internal**Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.023 dB

Peak SAR (extrapolated) = 0.398 W/kg

SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.200 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used: $f = 836.667$ MHz; $\sigma = 0.951$ mho/m; $\epsilon_r = 53.3$; $\rho = 1000$ 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

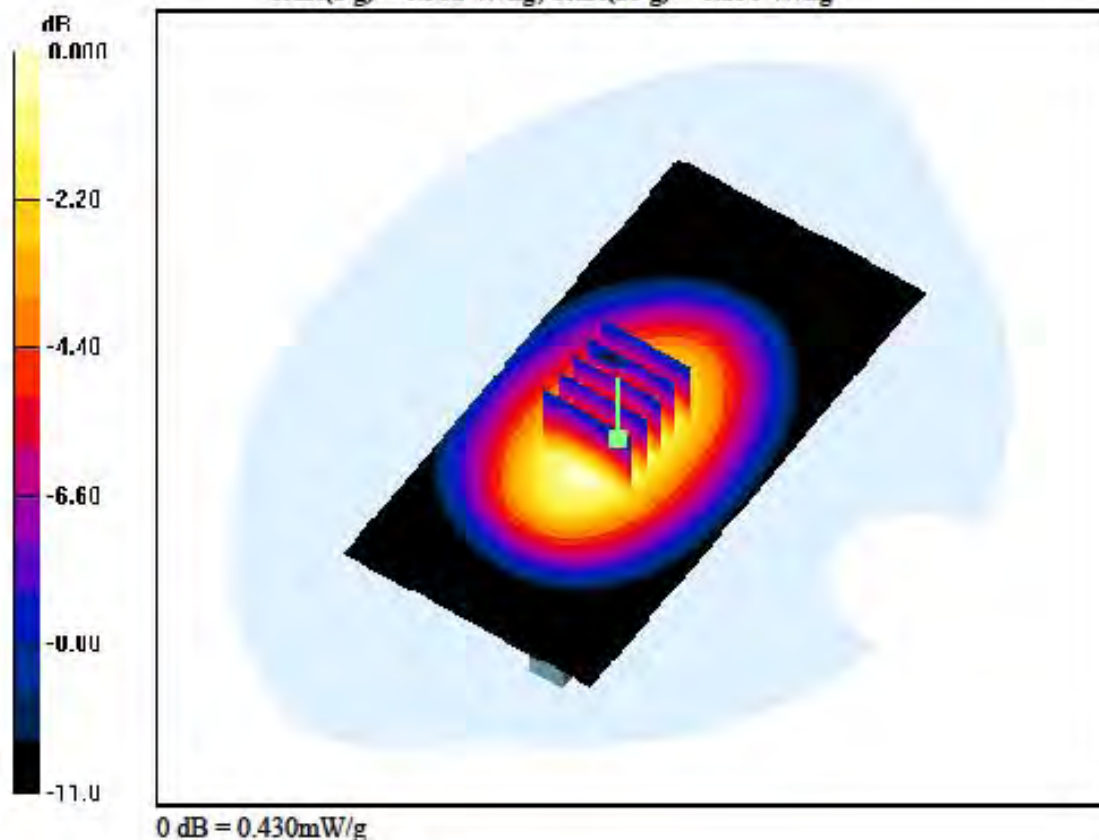
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Left, GSM850 GPRS Class 11, Ch. 190, Ant. Internal**Area Scan (61x121x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.054 dB

Peak SAR (extrapolated) = 0.514 W/kg

SAR(1 g) = 0.362 W/kg; SAR(10 g) = 0.250 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

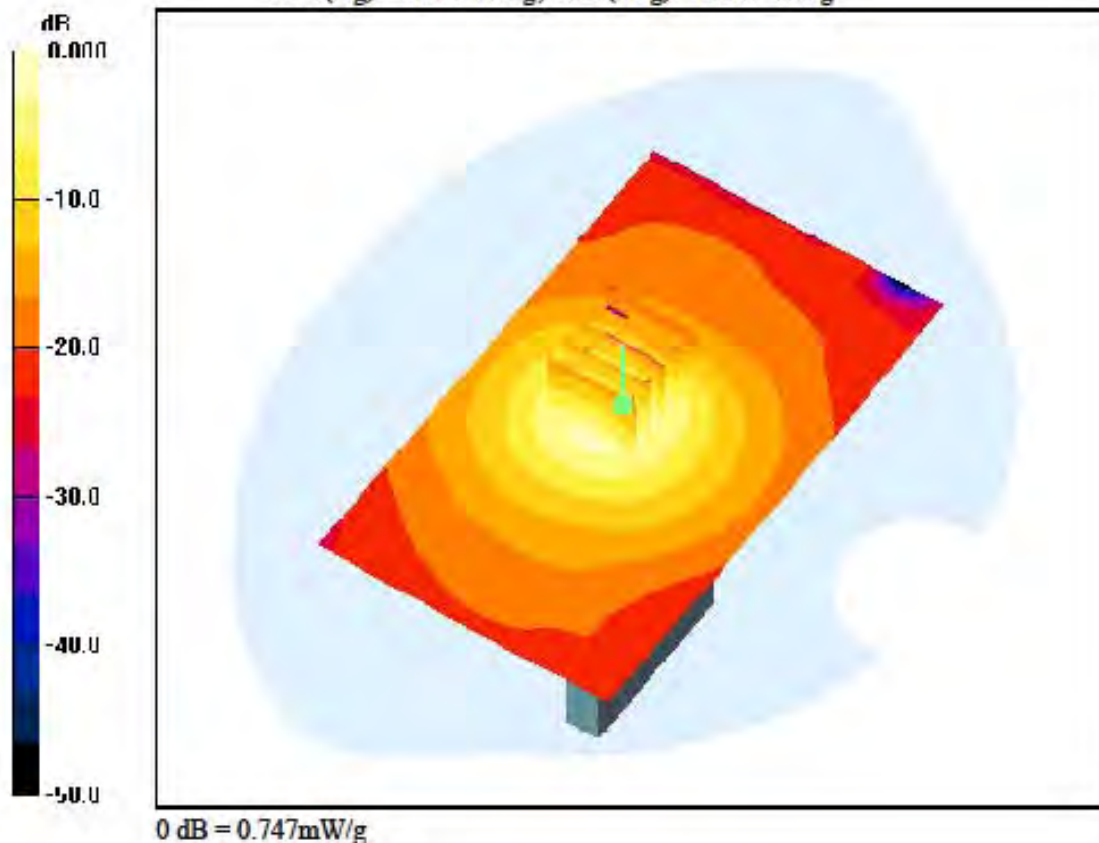
DASY4 Configuration:

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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Bottom, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

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 = 0.075 dB
Peak SAR (extrapolated) = 1.03 W/kg
SAR(1 g) = 0.569 W/kg; SAR(10 g) = 0.300 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Front, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

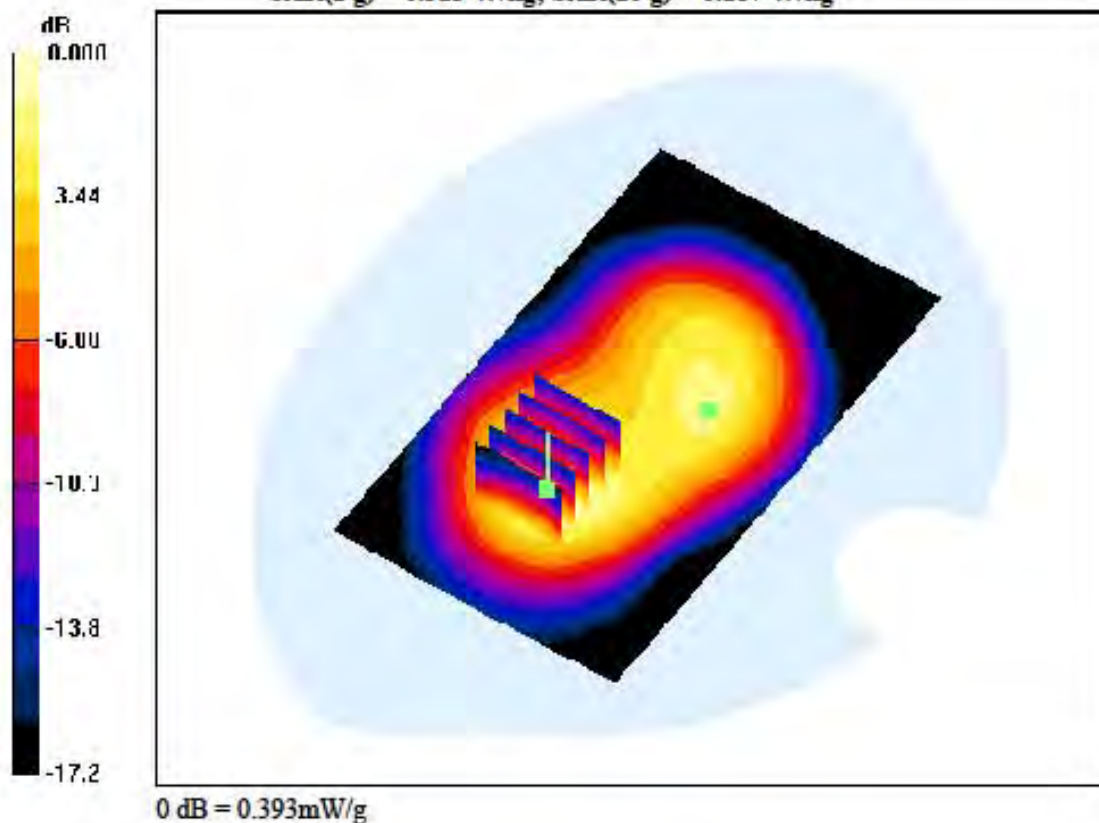
Area Scan (71x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

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

Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.313 W/kg; SAR(10 g) = 0.187 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Front, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

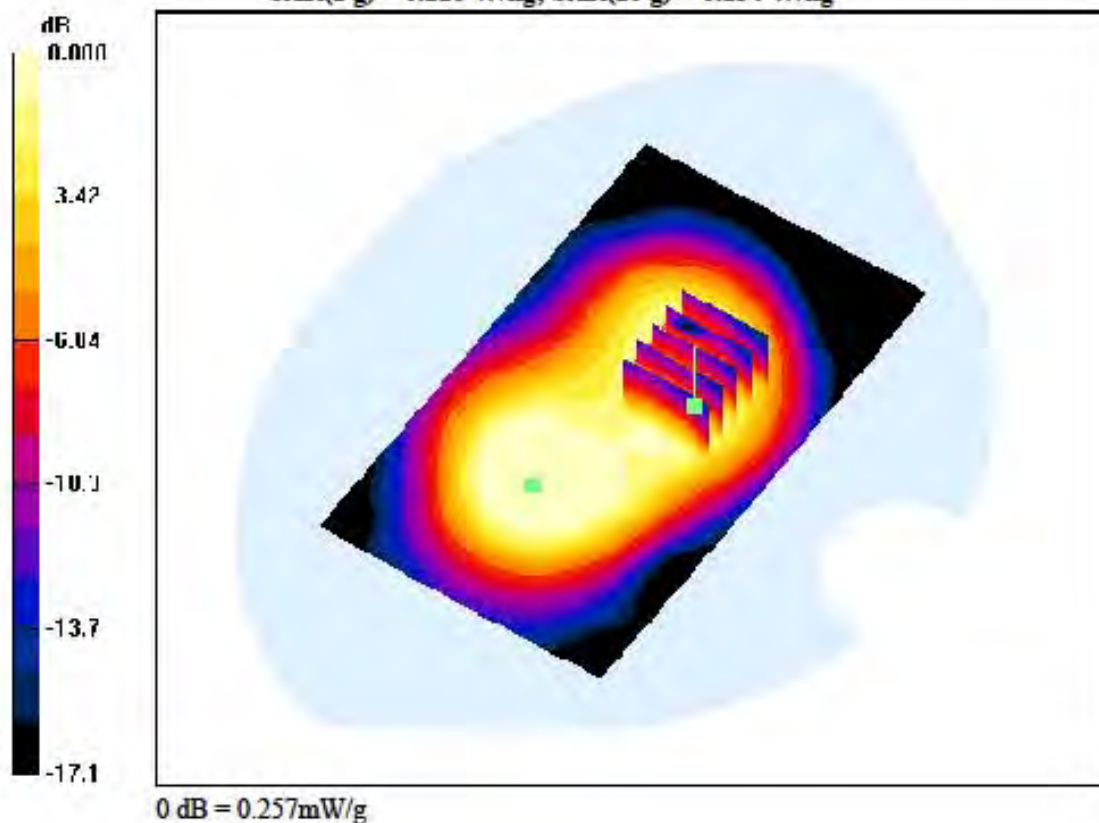
Area Scan (71x121x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Power Drift = -0.148 dB

Peak SAR (extrapolated) = 0.327 W/kg

SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.134 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900, Ch. 661, Ant. Internal

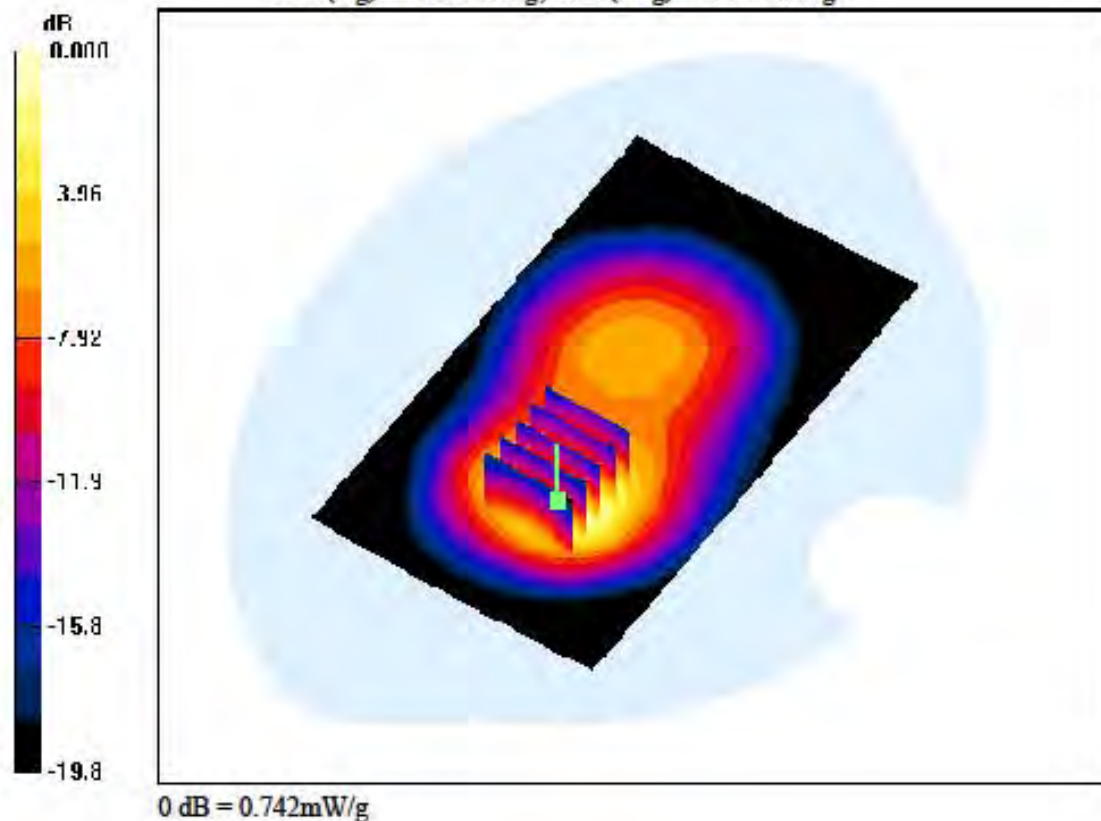
Area Scan (71x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.058 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.308 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 8, Ch. 661, Ant. Internal

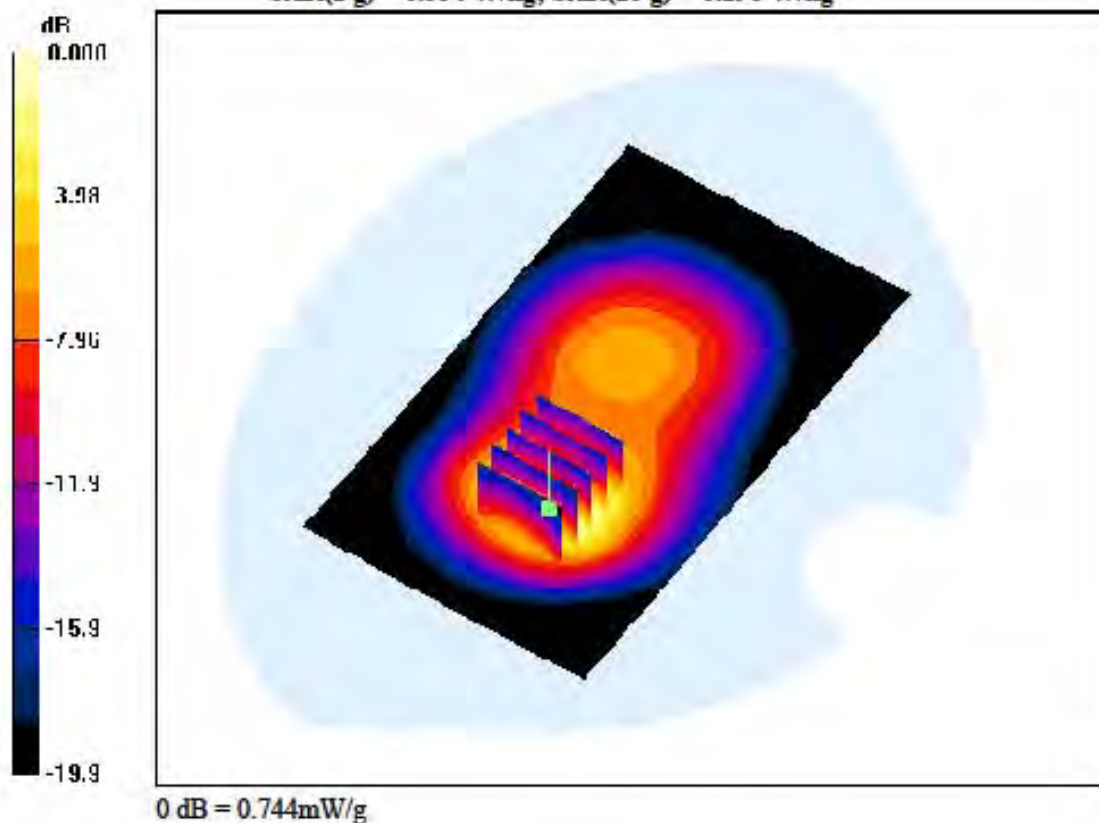
Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.042 dB

Peak SAR (extrapolated) = 1.02 W/kg

SAR(1 g) = 0.554 W/kg; SAR(10 g) = 0.296 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 10, Ch. 661, Ant. Internal

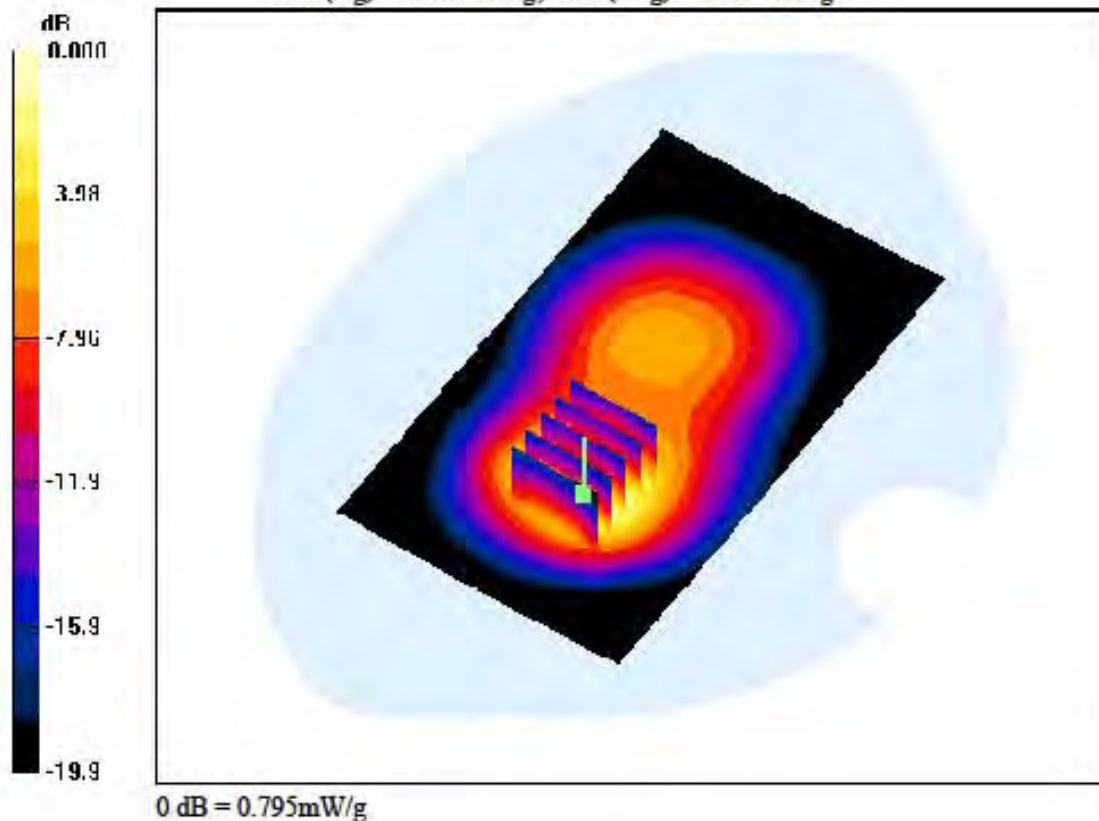
Area Scan (71x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.066 dB

Peak SAR (extrapolated) = 1.09 W/kg

SAR(1 g) = 0.594 W/kg; SAR(10 g) = 0.321 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1850.33 \text{ MHz}$; $\sigma = 1.47 \text{ mho/m}$; $\epsilon_r = 51.9$; $\rho = 1000 \text{ kg/m}^3$

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

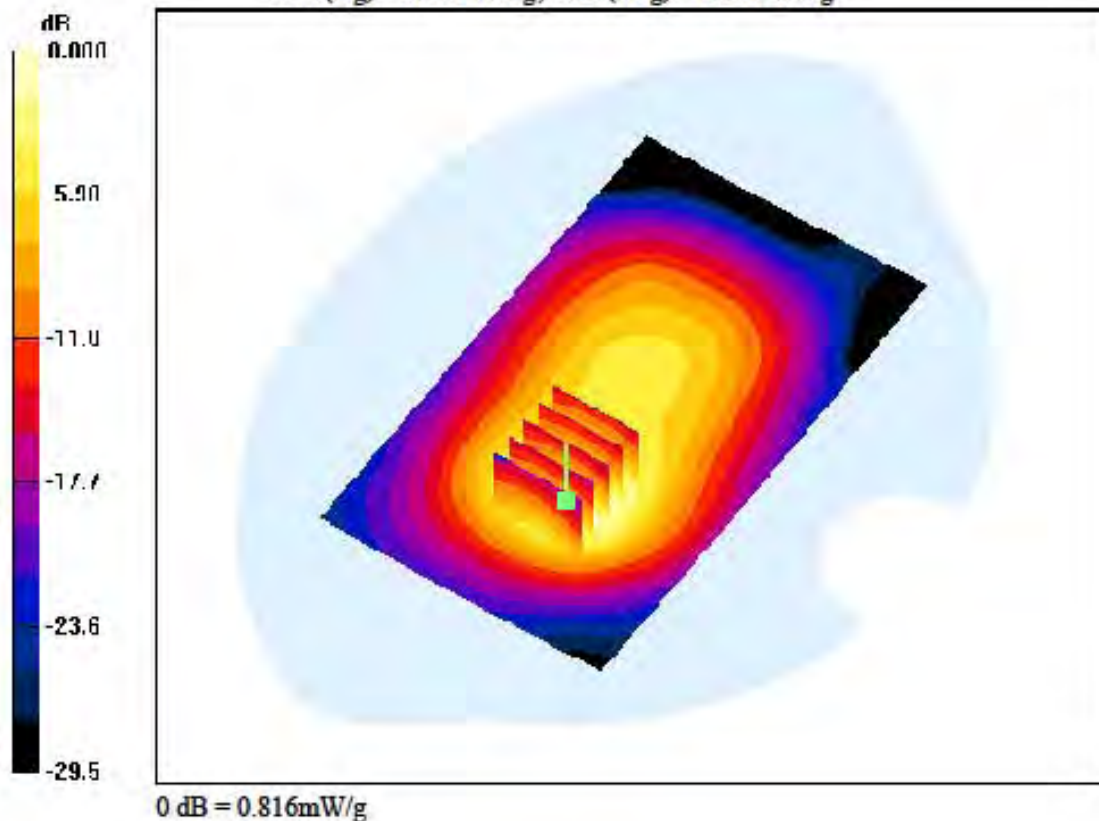
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 11, Ch. 512, Ant. Internal**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 = 0.015 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.620 W/kg; SAR(10 g) = 0.344 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

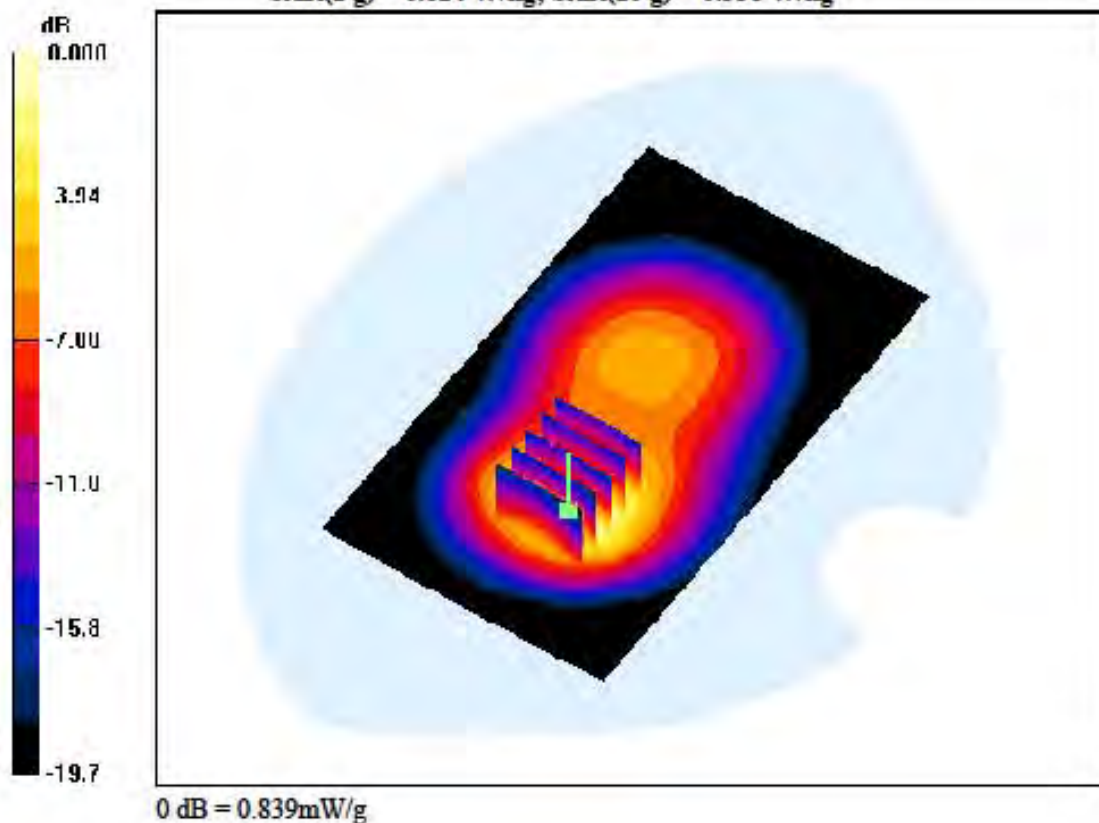
DASY4 Configuration:

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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

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 = 0.042 dB
Peak SAR (extrapolated) = 1.16 W/kg
SAR(1 g) = 0.624 W/kg; SAR(10 g) = 0.336 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1909.8 \text{ MHz}$; $\sigma = 1.54 \text{ mho/m}$; $\epsilon_r = 51.7$; $\rho = 1000 \text{ kg/m}^3$

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

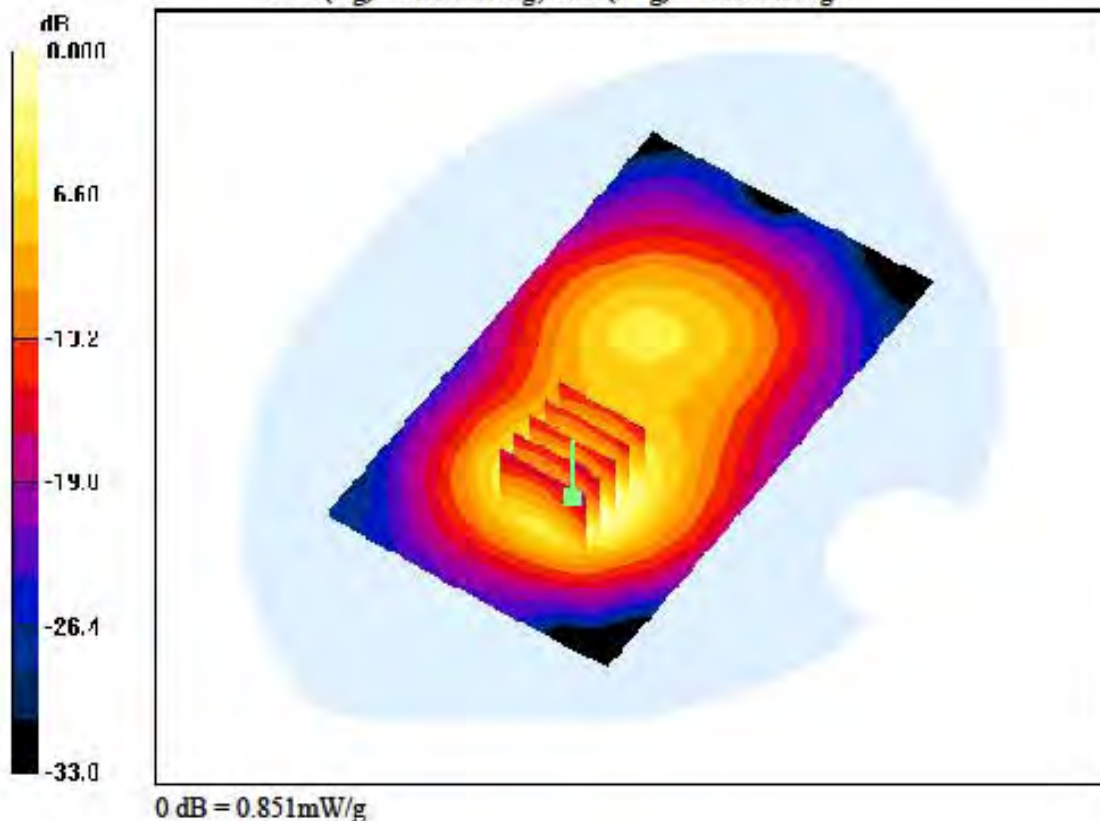
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 11, Ch. 810, Ant. Internal**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 = 0.078 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.335 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 12, Ch. 661, Ant. Internal

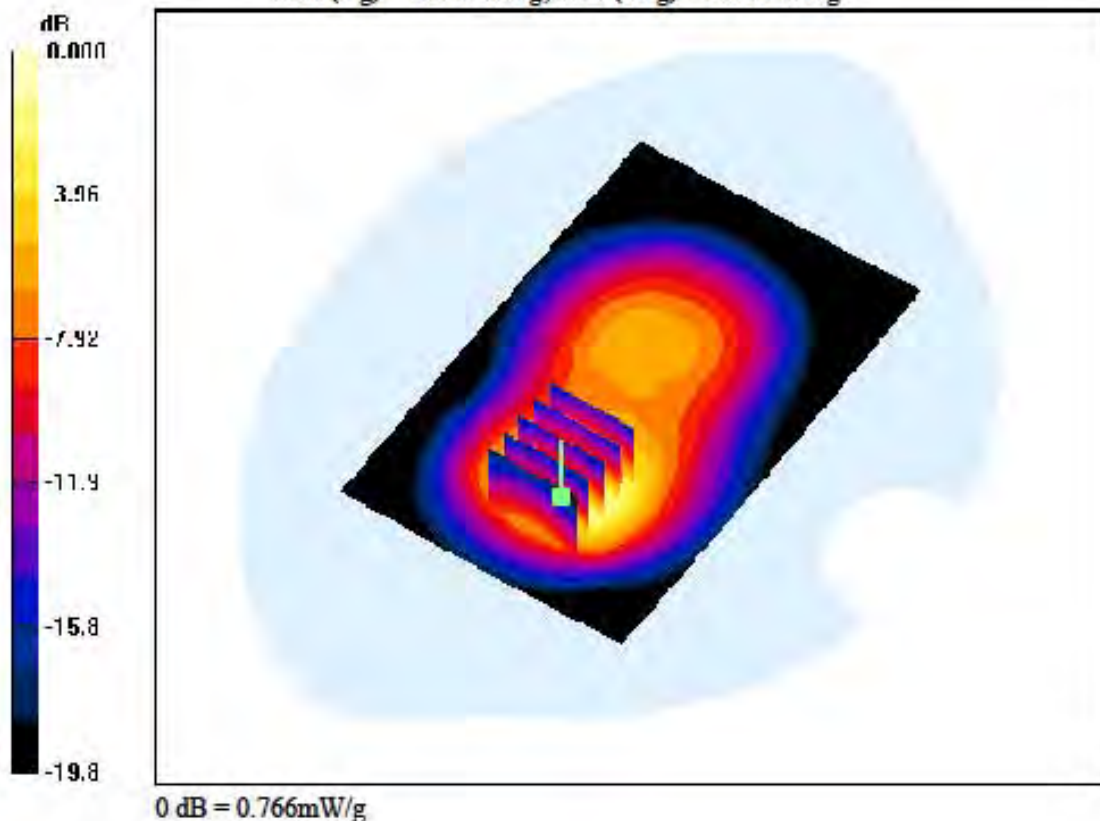
Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.117 dB

Peak SAR (extrapolated) = 1.08 W/kg

SAR(1 g) = 0.580 W/kg; SAR(10 g) = 0.313 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.5 \text{ mho/m}$; $\epsilon_r = 51.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

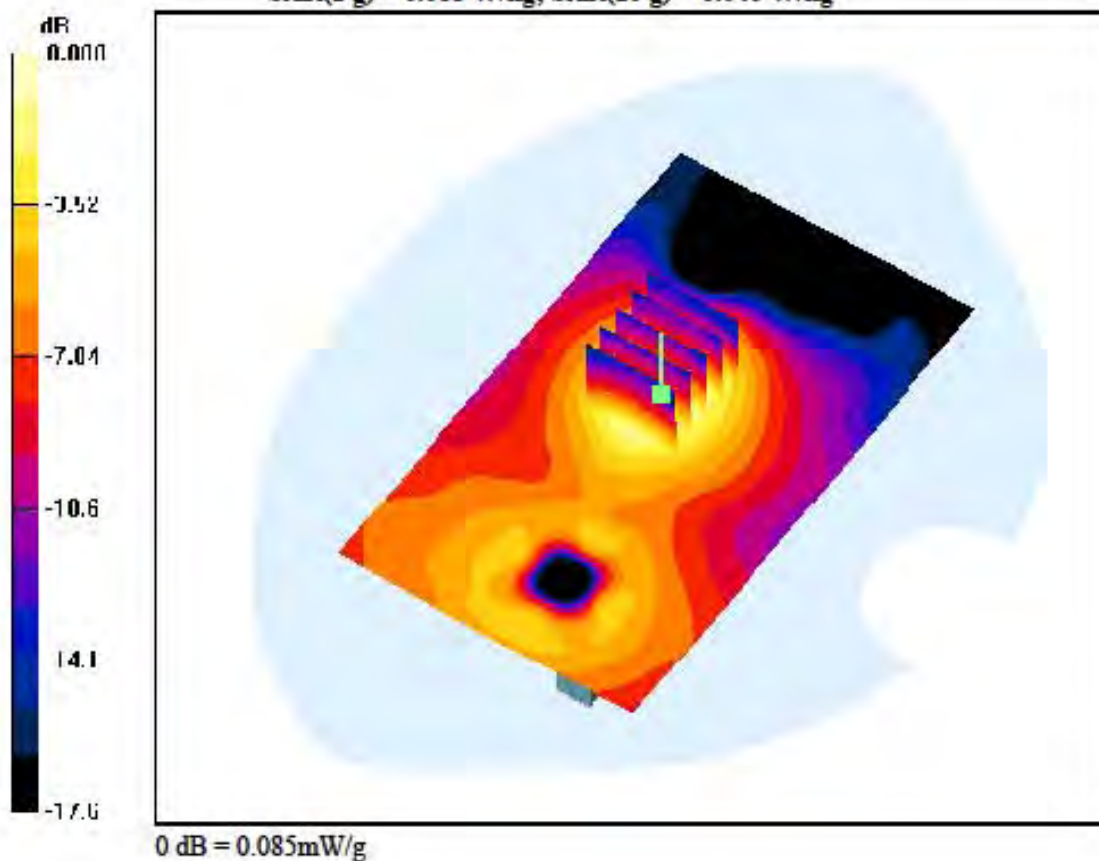
DASY4 Configuration:

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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Right, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

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 = 0.149 dB
Peak SAR (extrapolated) = 0.130 W/kg
SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.040 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

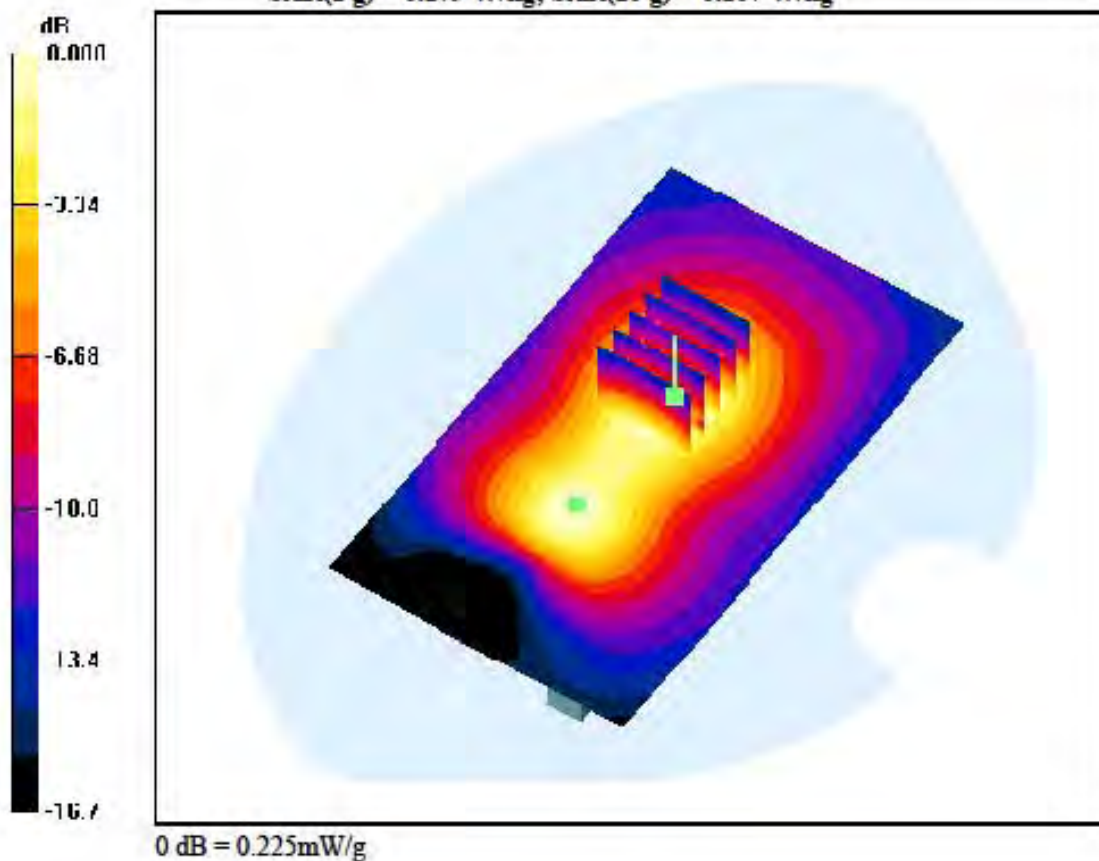
DASY4 Configuration:

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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Left, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

Area Scan (71x121x1): 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 = 0.017 dB
Peak SAR (extrapolated) = 0.300 W/kg
SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.107 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.5$ mho/m; $\epsilon_r = 51.8$; $\rho = 1000$ 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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Left, PCS1900 GPRS Class 11, Ch. 661, Ant. Internal

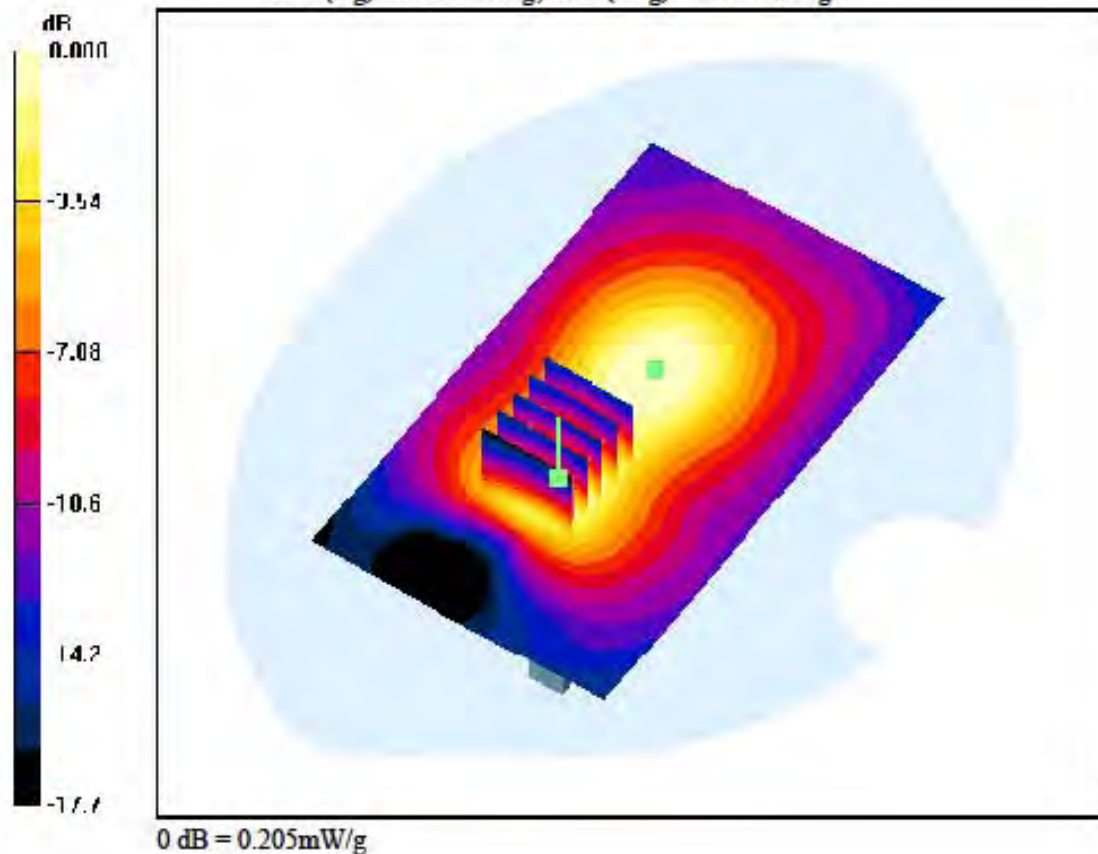
Area Scan (71x121x1): Measurement grid: dx=15mm, dy=15mm

Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = 0.017 dB

Peak SAR (extrapolated) = 0.277 W/kg

SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.090 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Bottom, WCDMA850, Ch. 4183, Ant. Internal

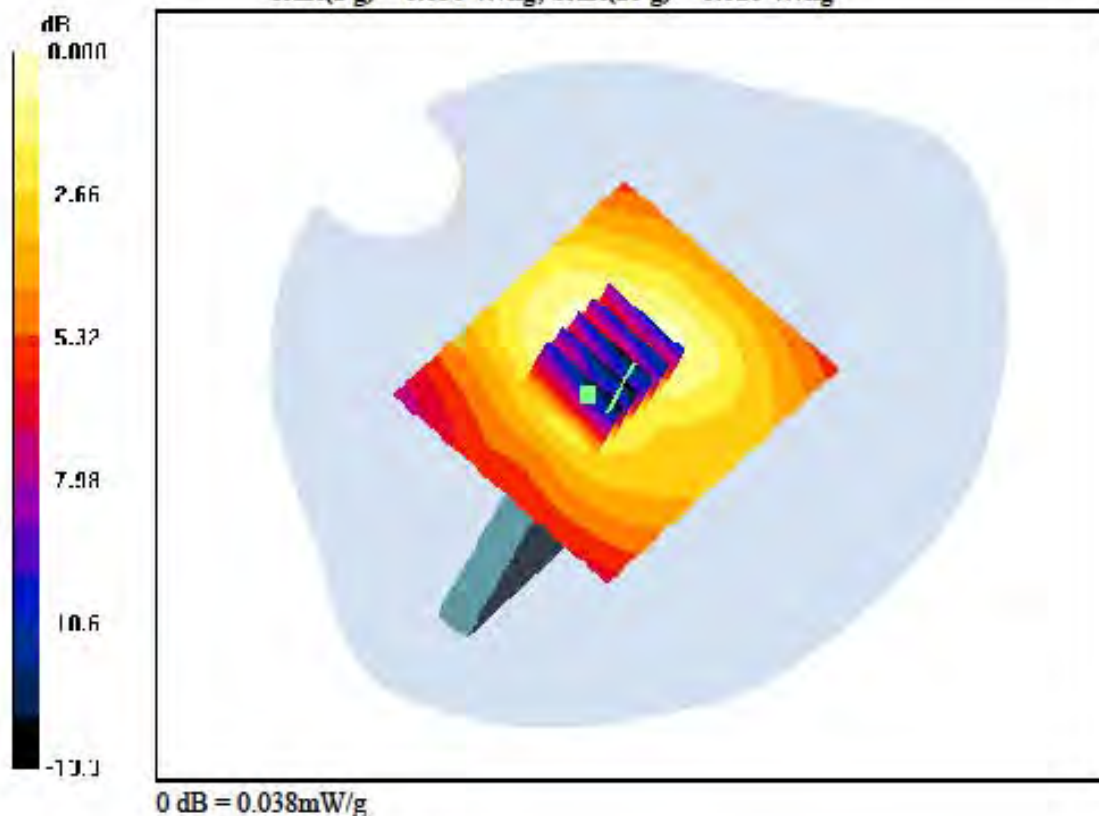
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.086 dB

Peak SAR (extrapolated) = 0.058 W/kg

SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.020 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Front, WCDMA850, Ch. 4183, Ant. Internal

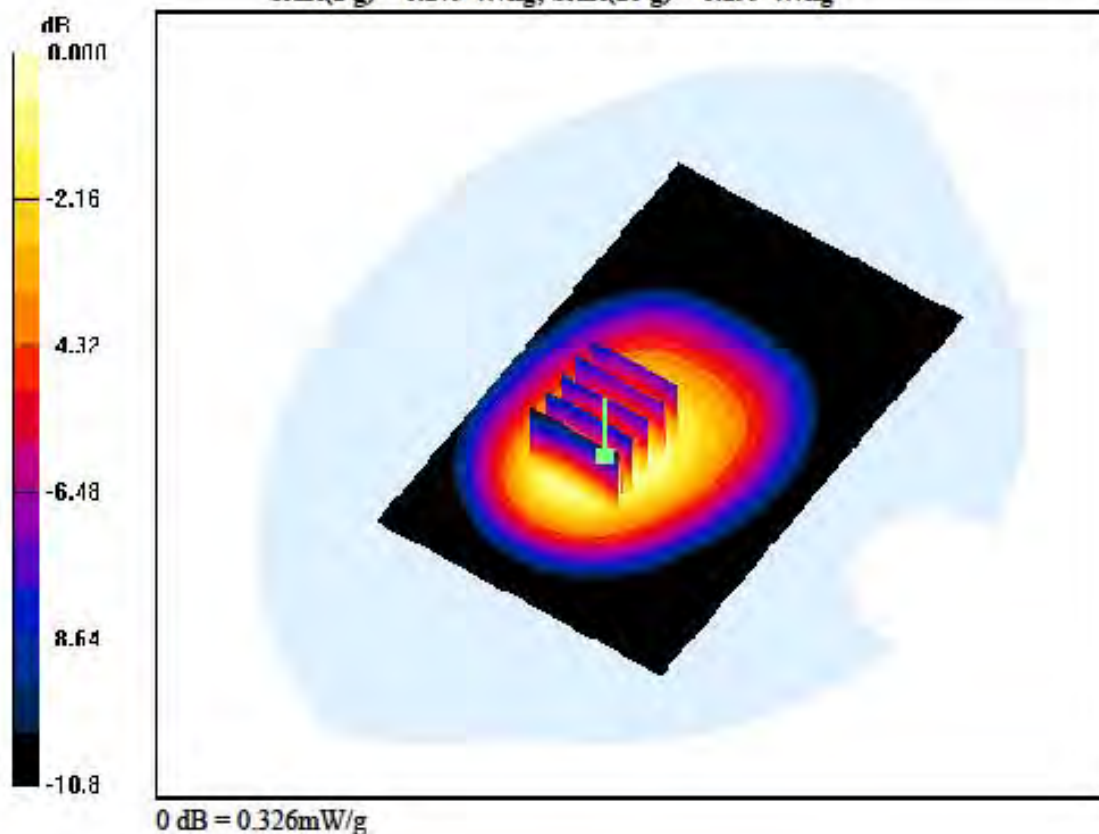
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.067 dB

Peak SAR (extrapolated) = 0.389 W/kg

SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.199 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 826.4 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.951 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Rear, WCDMA850, Ch. 4132, Ant. Internal

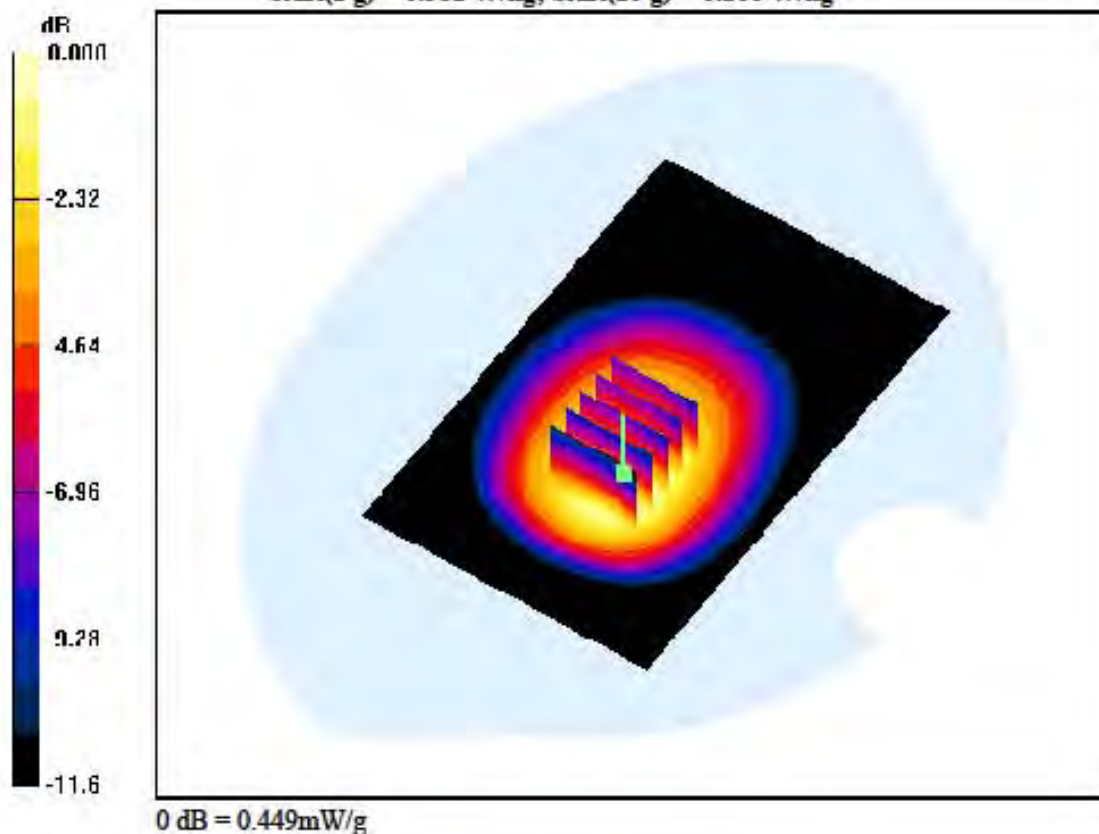
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.381 W/kg; SAR(10 g) = 0.266 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Rear, WCDMA850, Ch. 4183, Ant. Internal

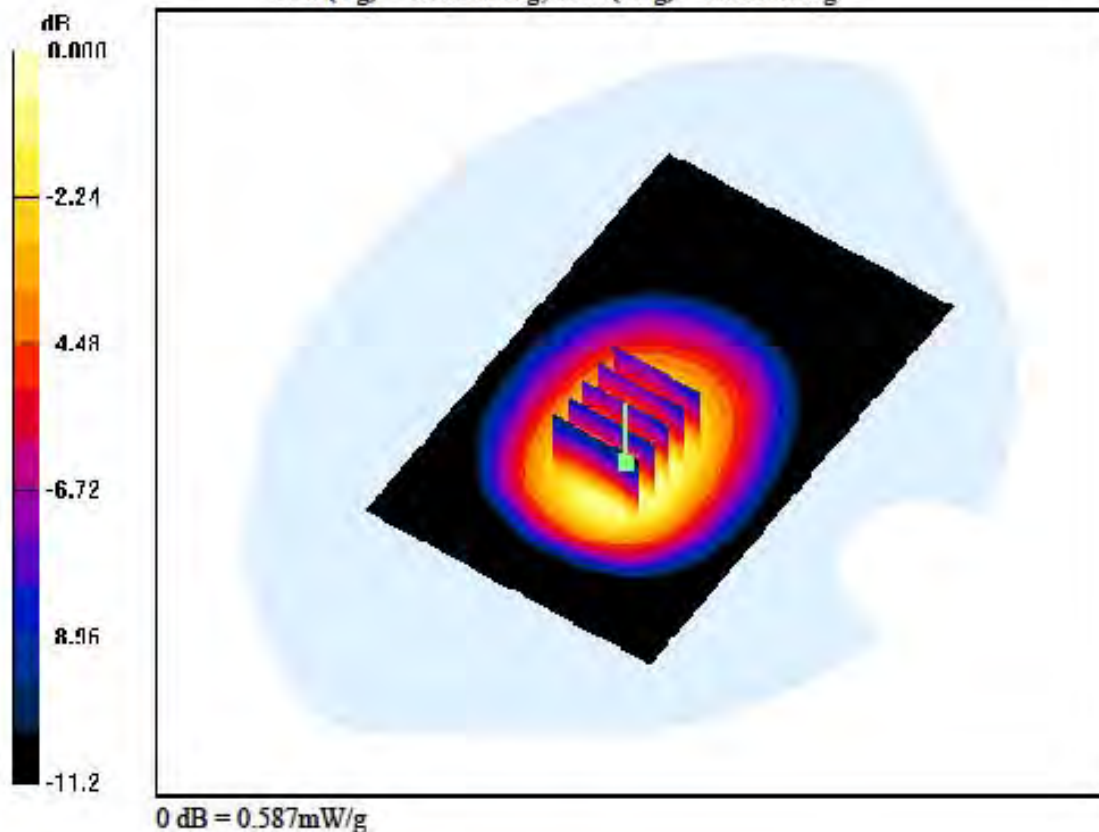
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.695 W/kg

SAR(1 g) = 0.502 W/kg; SAR(10 g) = 0.352 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 846.6 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 846.6 \text{ MHz}$; $\sigma = 0.998 \text{ mho/m}$; $\epsilon_r = 55$; $\rho = 1000 \text{ kg/m}^3$
 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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Rear, WCDMA850, Ch. 4233, Ant. Internal

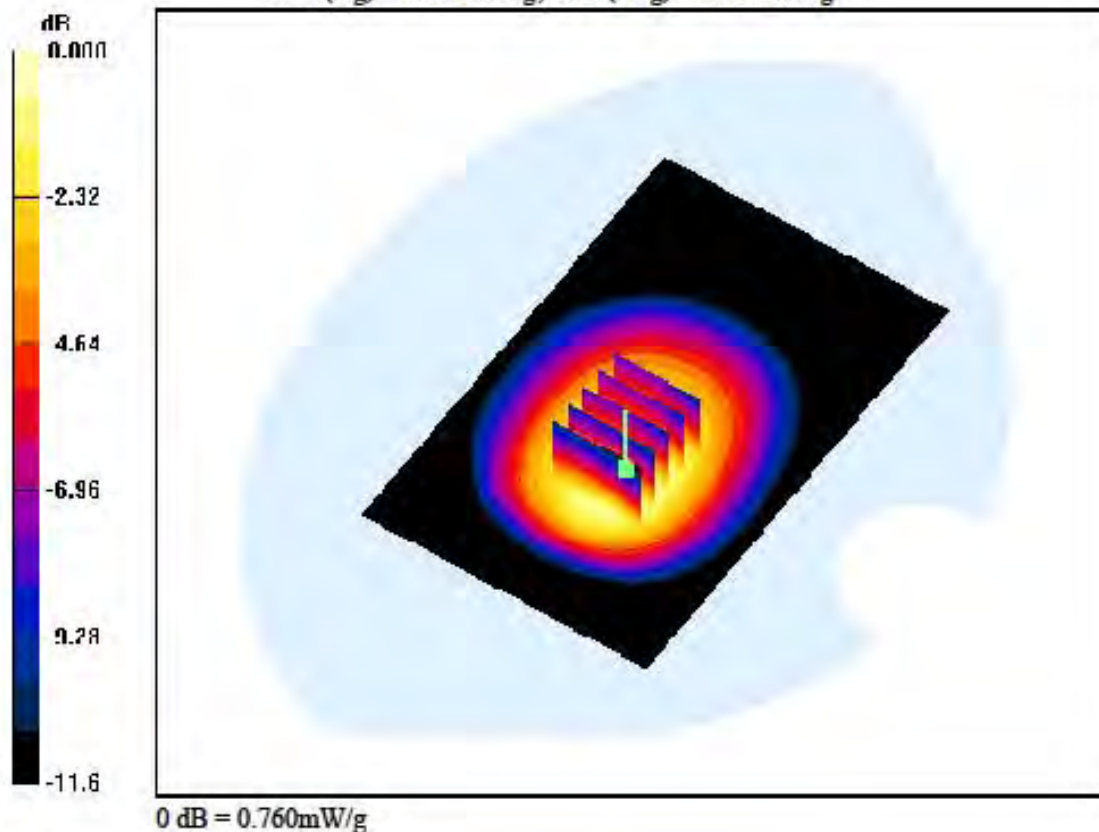
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.457 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Right, WCDMA850, Ch. 4183, Ant. Internal

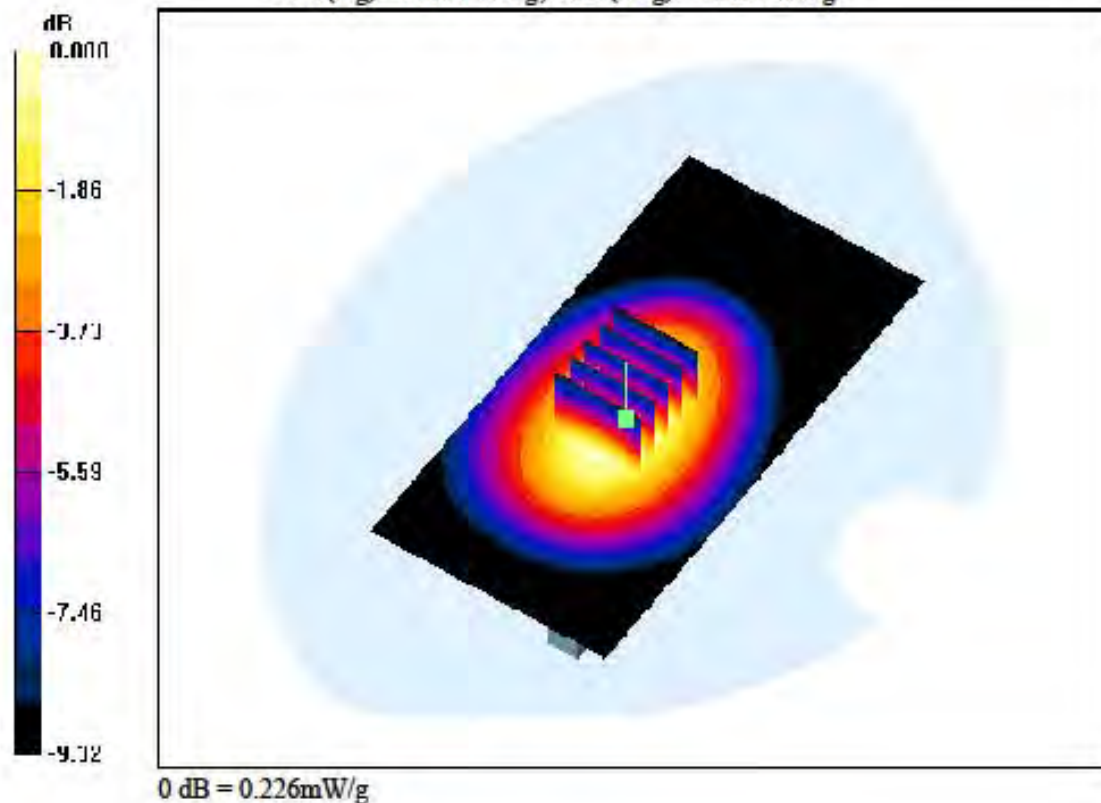
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.034 dB

Peak SAR (extrapolated) = 0.267 W/kg

SAR(1 g) = 0.192 W/kg; SAR(10 g) = 0.134 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.976 \text{ mho/m}$; $\epsilon_r = 54.8$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Left, WCDMA850, Ch. 4183, Ant. Internal

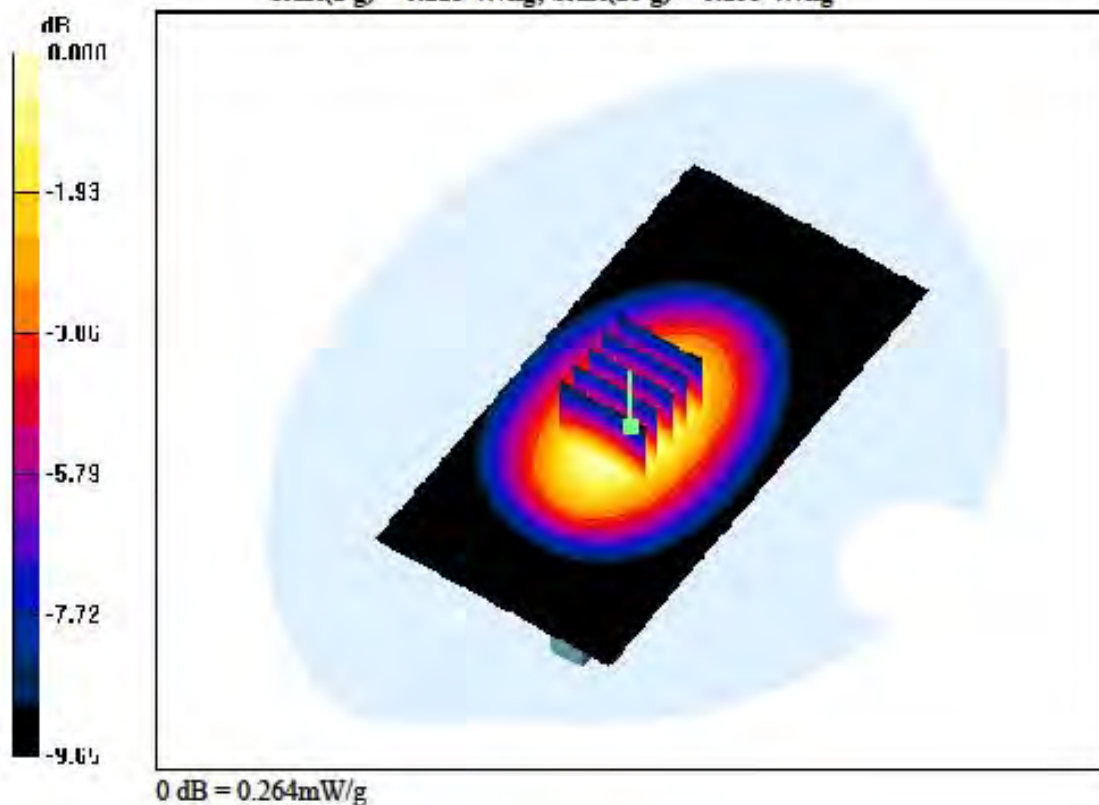
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.025 dB

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.155 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Top, W-LAN(802.11b), Ch. 6, Ant. Internal

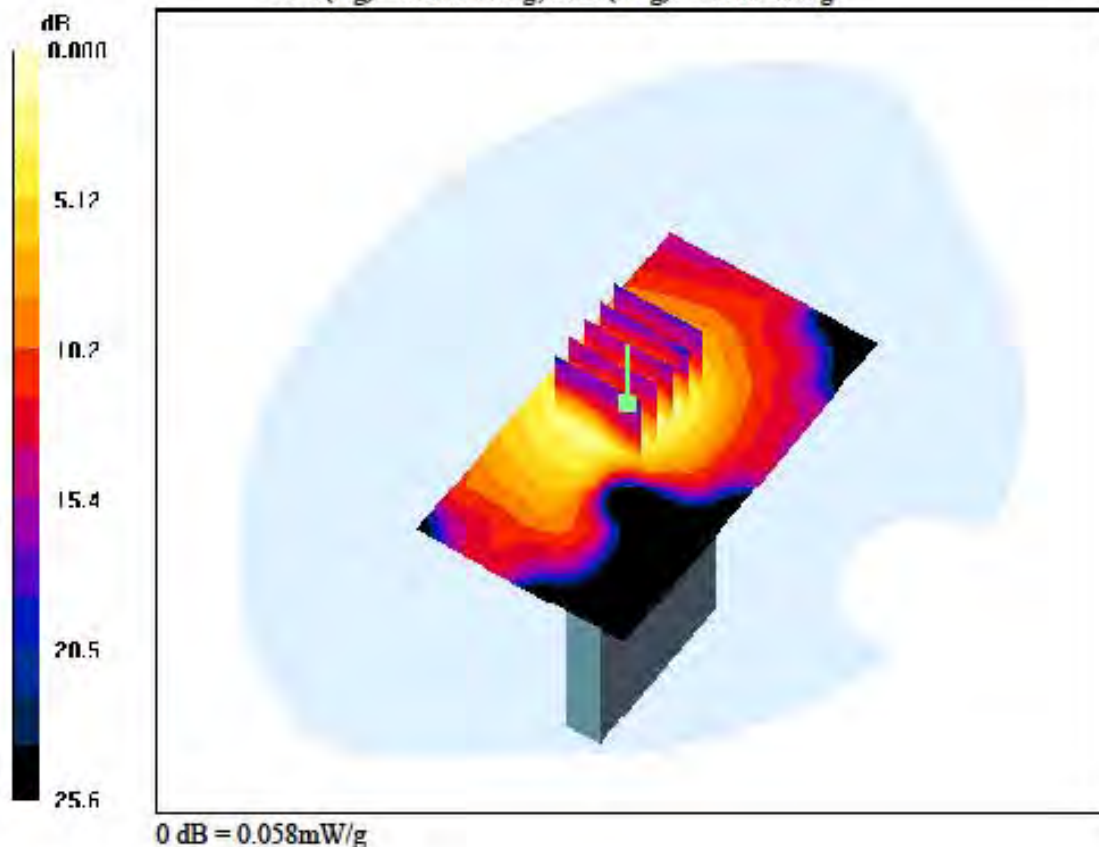
Area Scan (51x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.061 dB

Peak SAR (extrapolated) = 0.088 W/kg

SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.023 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Front, W-LAN(802.11b), Ch. 6, Ant. Internal

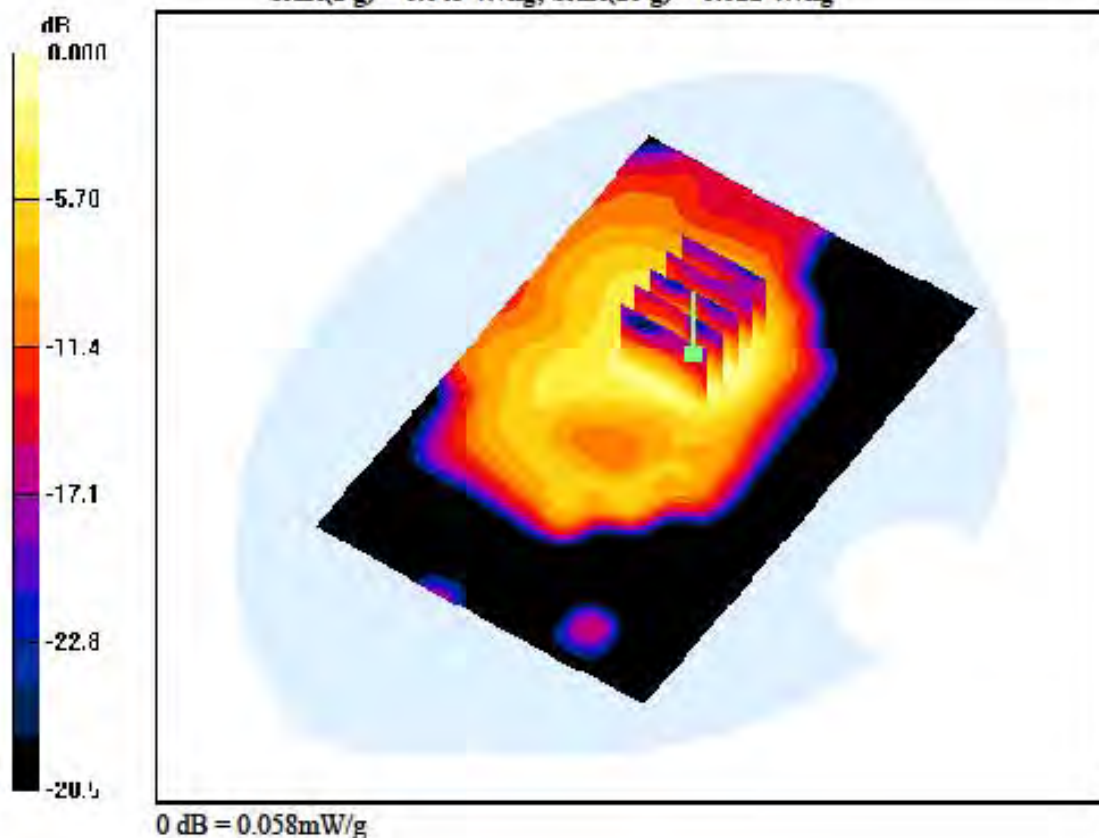
Area Scan (81x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.150 dB

Peak SAR (extrapolated) = 0.088 W/kg

SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.022 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ 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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Rear, W-LAN(802.11b), Ch. 1, Ant. Internal

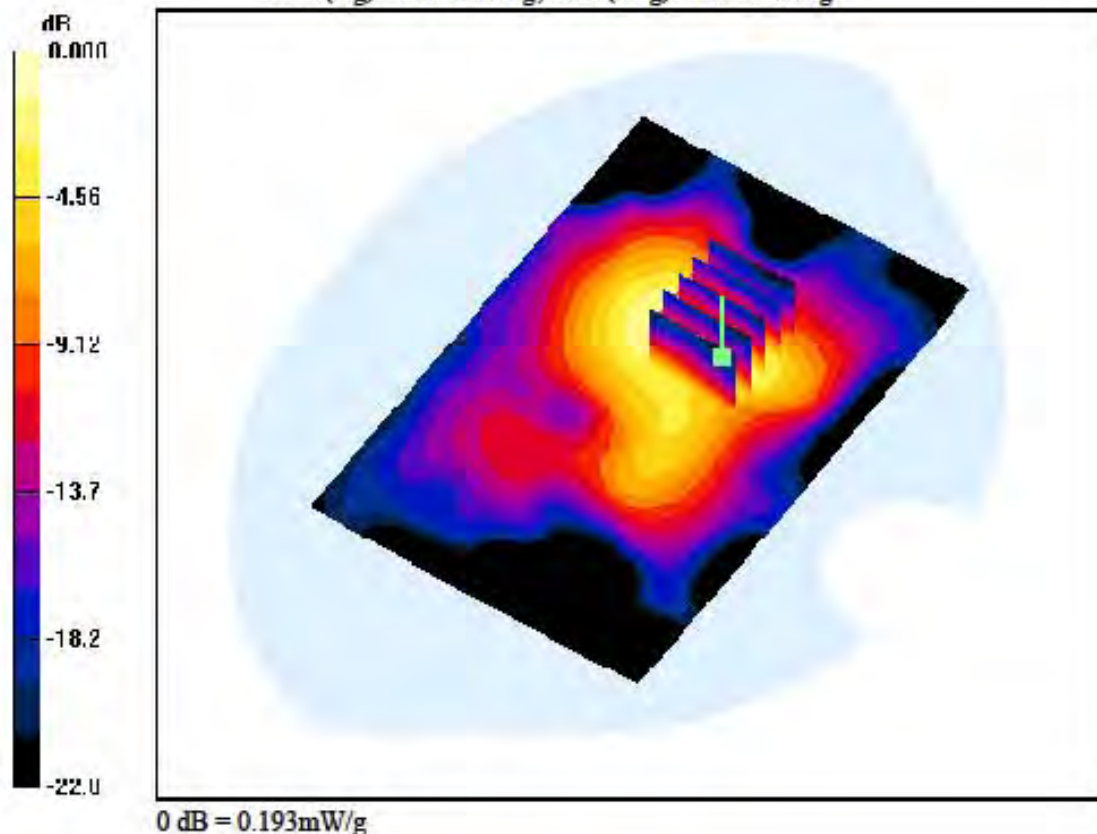
Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.067 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Rear, W-LAN(802.11b), Ch. 6, Ant. Internal

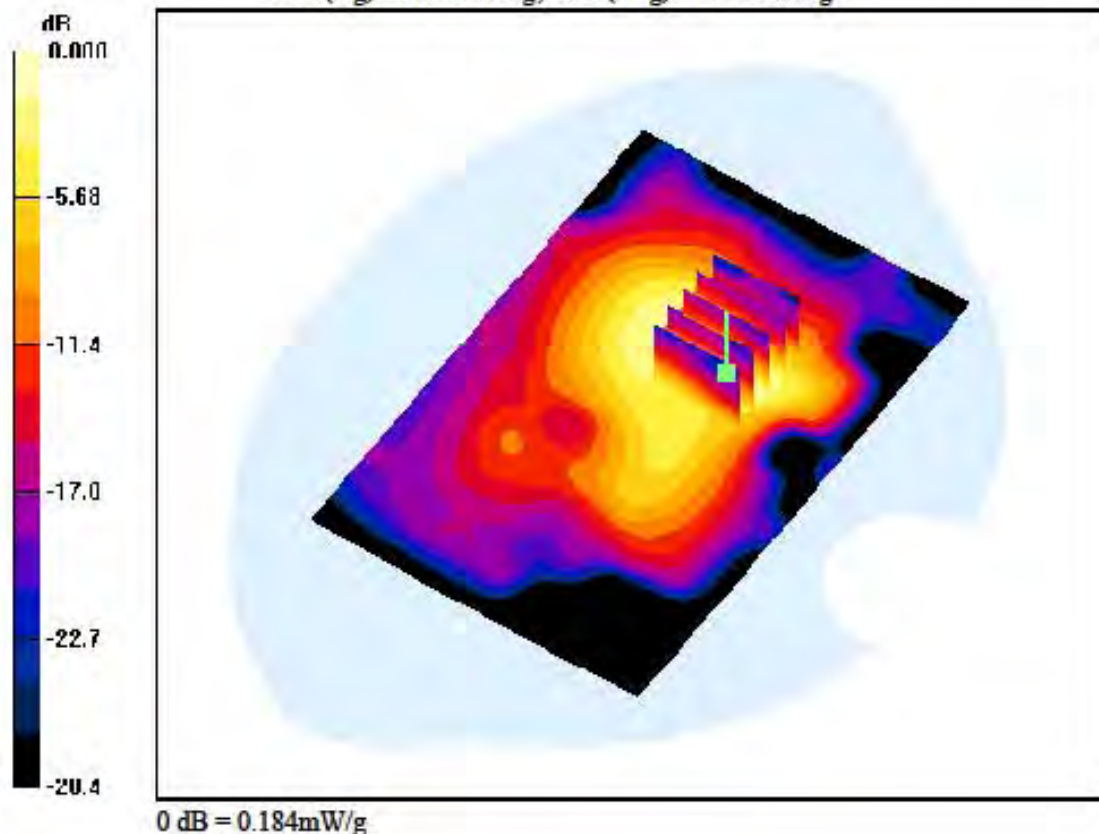
Area Scan (81x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.171 dB

Peak SAR (extrapolated) = 0.291 W/kg

SAR(1 g) = 0.135 W/kg; SAR(10 g) = 0.065 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2 \text{ mho/m}$; $\epsilon_r = 52.5$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Rear, W-LAN(802.11b), Ch. 11, Ant. Internal

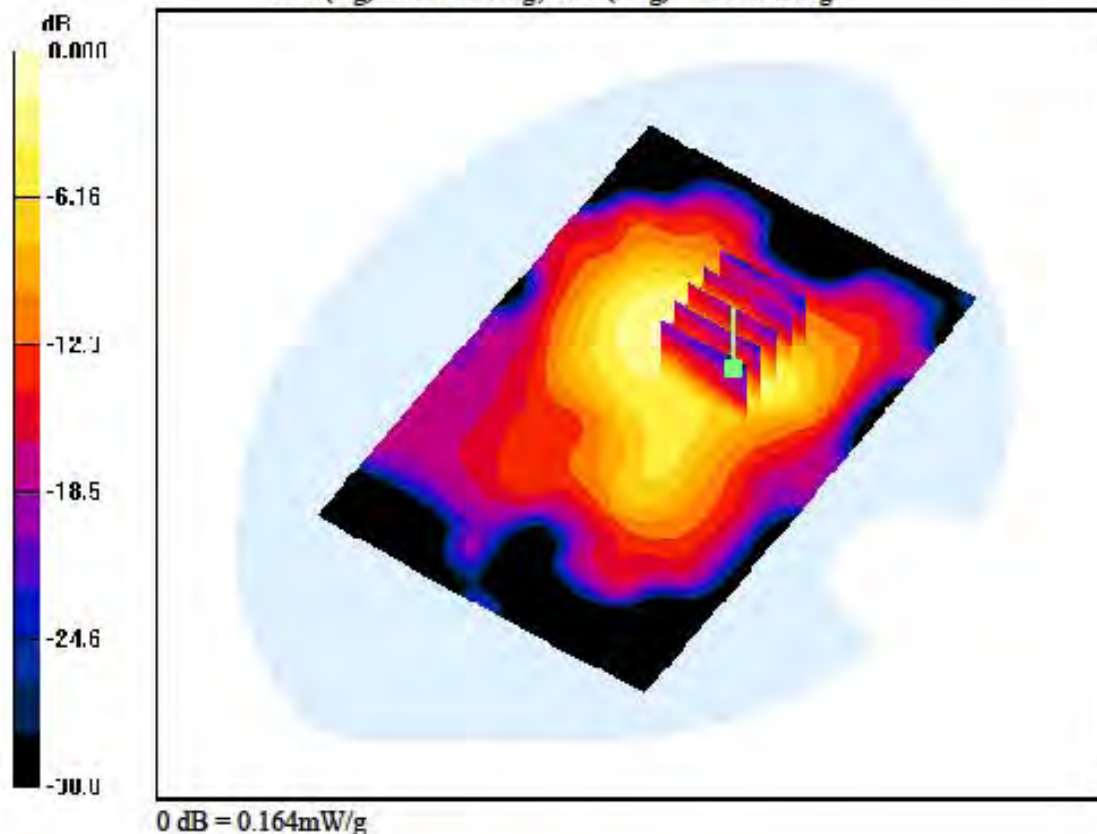
Area Scan (81x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.094 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.053 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2437 \text{ MHz}$; $\sigma = 1.96 \text{ mho/m}$; $\epsilon_r = 52.2$; $\rho = 1000 \text{ kg/m}^3$
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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Left, W-LAN(802.11b), Ch. 6, Ant. Internal

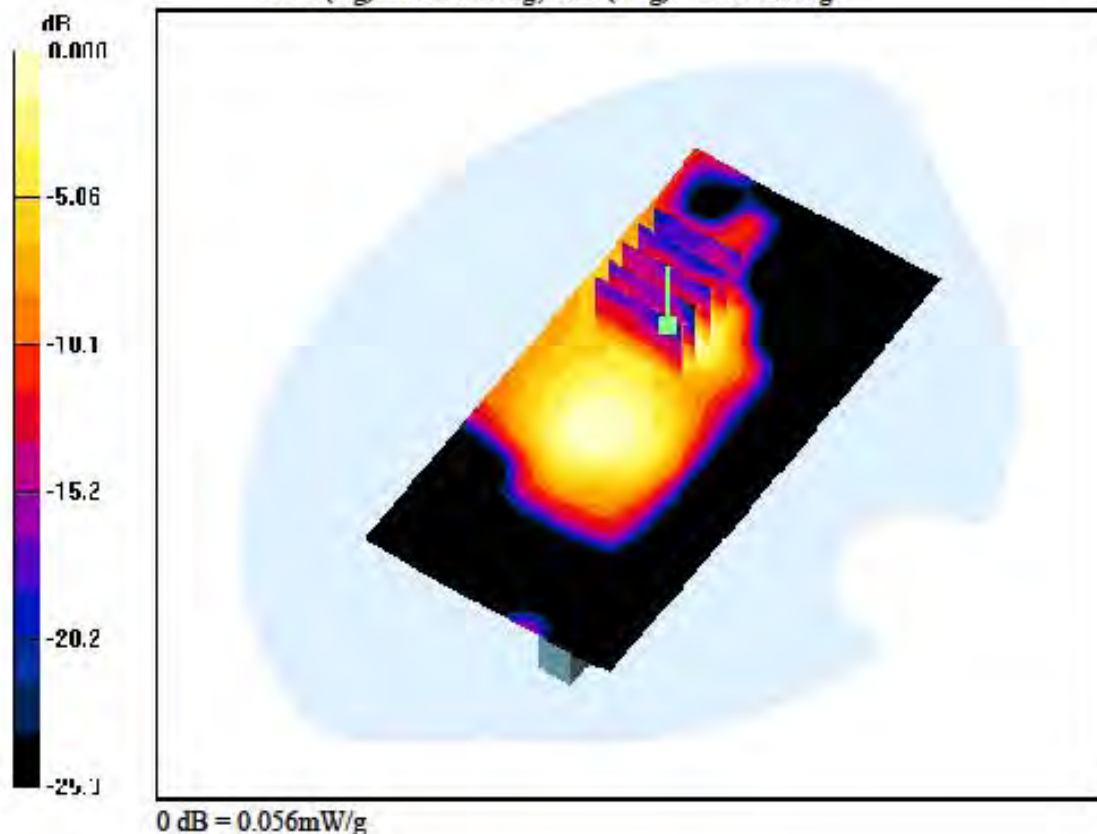
Area Scan (61x121x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.098 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.018 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

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

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.892$ mho/m; $\epsilon_r = 42.2$; $\rho = 1000$ 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

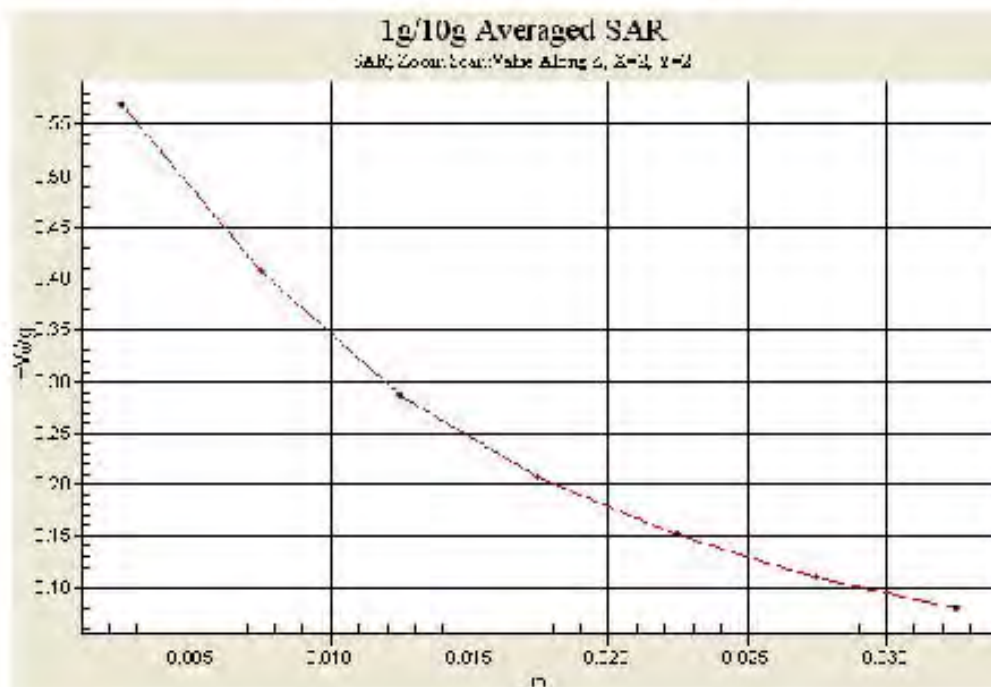
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

Left Touch, GSM850 Ch. 251, 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 = -0.055 dB

Peak SAR (extrapolated) = 0.699 W/kg

SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.338 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 848.8$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 53.2$; $\rho = 1000$ 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

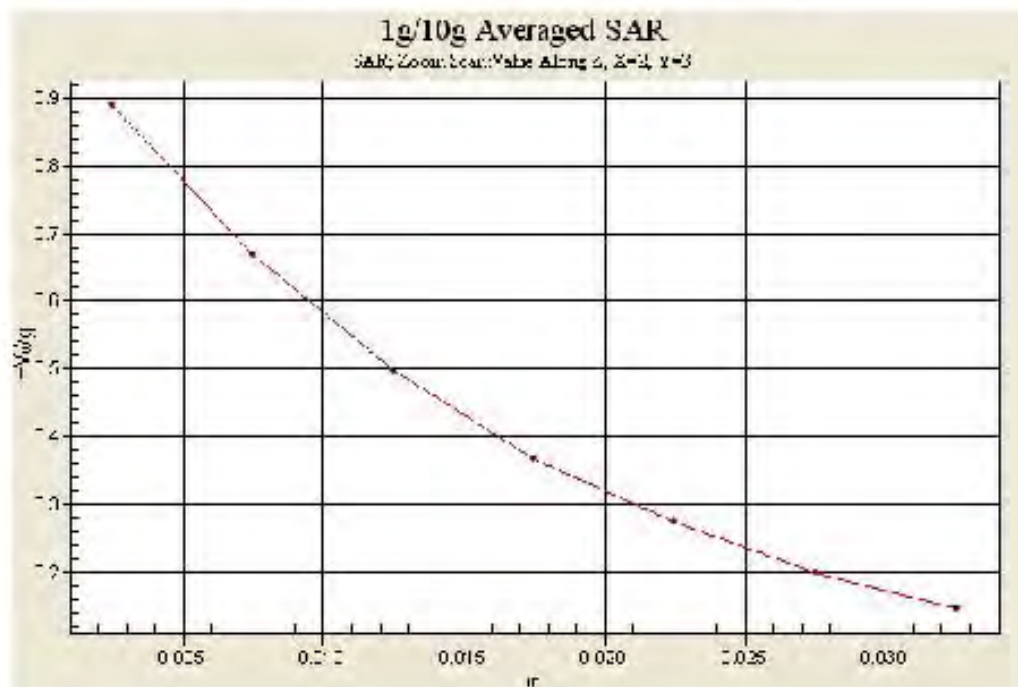
Test Date: 2012-02-08; Ambient Temp: 22.1; Tissue Temp: 22.3

1 cm space from Body, Rear, GSM850 GPRS Class 11, Ch. 251, 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 = -0.016 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.767 W/kg; SAR(10 g) = 0.546 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium parameters used: $f = 1850.33$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.3$; $\rho = 1000$ 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: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

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 = 0.054 dB

Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.692 W/kg; SAR(10 g) = 0.419 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77

Medium parameters used (interpolated): $f = 1909.8$ MHz; $\sigma = 1.54$ mho/m; $\epsilon_r = 51.7$; $\rho = 1000$ 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

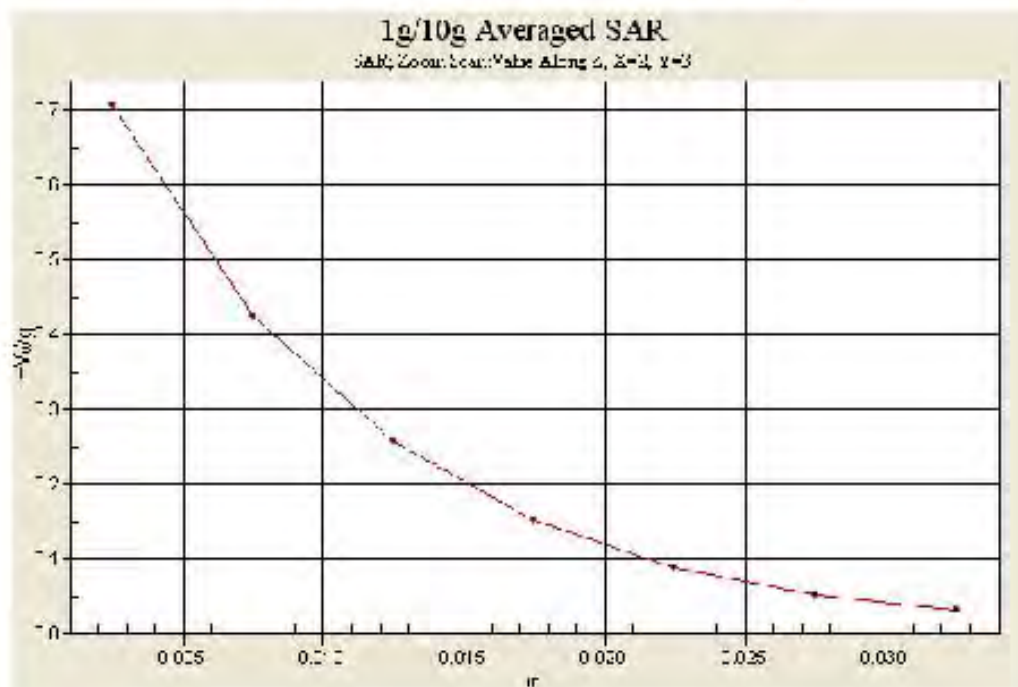
Test Date: 2012-02-09; Ambient Temp: 21.8; Tissue Temp: 22.2

1 cm space from Body, Rear, PCS1900 GPRS Class 11, Ch. 810, 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 = 0.078 dB

Peak SAR (extrapolated) = 1.16 W/kg

SAR(1 g) = 0.647 W/kg; SAR(10 g) = 0.335 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 846.667$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 42.8$; $\rho = 1000$ 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

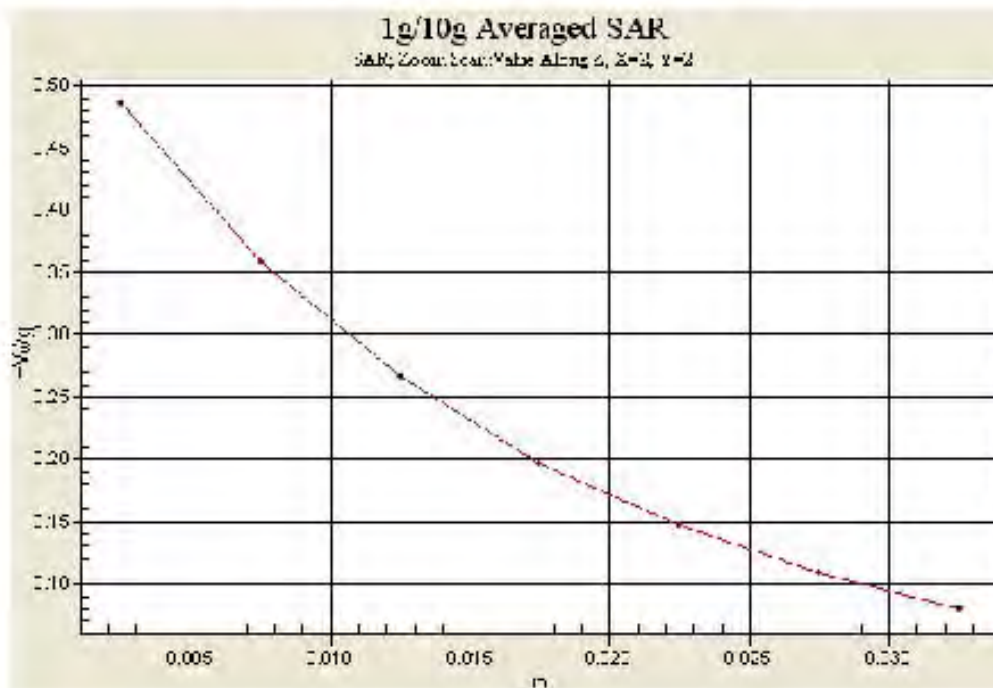
Test Date: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

Left Touch, WCDMA850 Ch. 4233, 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 = 0.019 dB

Peak SAR (extrapolated) = 0.603 W/kg

SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.295 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: WCDMA 850 ; Frequency: 846.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 846.6$ MHz; $\sigma = 0.998$ mho/m; $\epsilon_r = 55$; $\rho = 1000$ 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: 2012-02-10; Ambient Temp: 22.3; Tissue Temp: 22.5

1 cm space from Body, Rear, WCDMA850, Ch. 4233, Ant. Internal

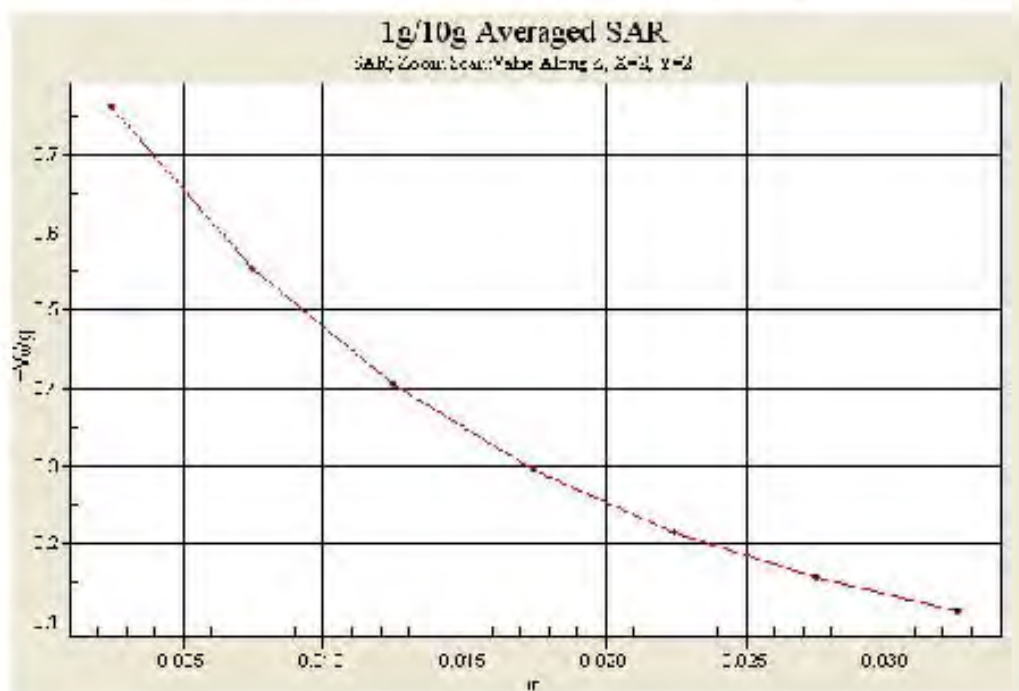
Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.021 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.650 W/kg; SAR(10 g) = 0.457 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
 Medium parameters used: $f = 2412 \text{ MHz}$; $\sigma = 1.76 \text{ mho/m}$; $\epsilon_r = 38.5$; $\rho = 1000 \text{ kg/m}^3$
 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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

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

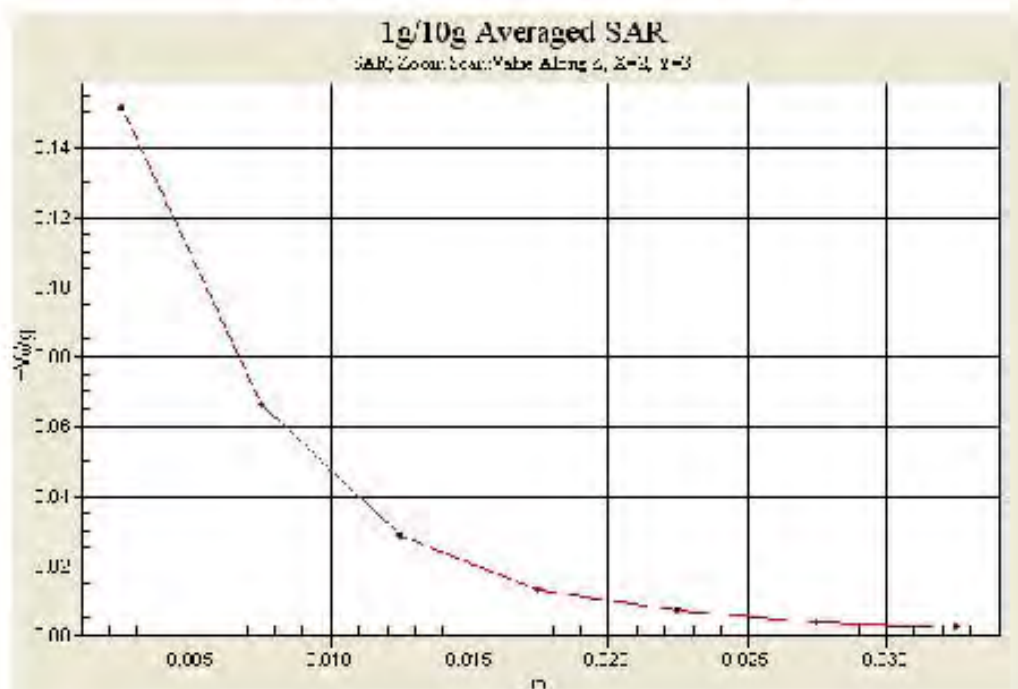
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.191 dB

Peak SAR (extrapolated) = 0.329 W/kg

SAR(1 g) = 0.131 W/kg; SAR(10 g) = 0.057 W/kg



DIGITAL EMC CO., LTD**DUT: LG-E400f; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ mho/m; $\epsilon_r = 52$; $\rho = 1000$ 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: 2012-02-07; Ambient Temp: 22.0; Tissue Temp: 22.4

1 cm space from Body, Rear, W-LAN(802.11b), Ch. 1, Ant. Internal

Area Scan (81x121x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.155 dB

Peak SAR (extrapolated) = 0.294 W/kg

SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.067 W/kg

