

## 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:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.895 \text{ mho/m}$ ;  $\epsilon_r = 42$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

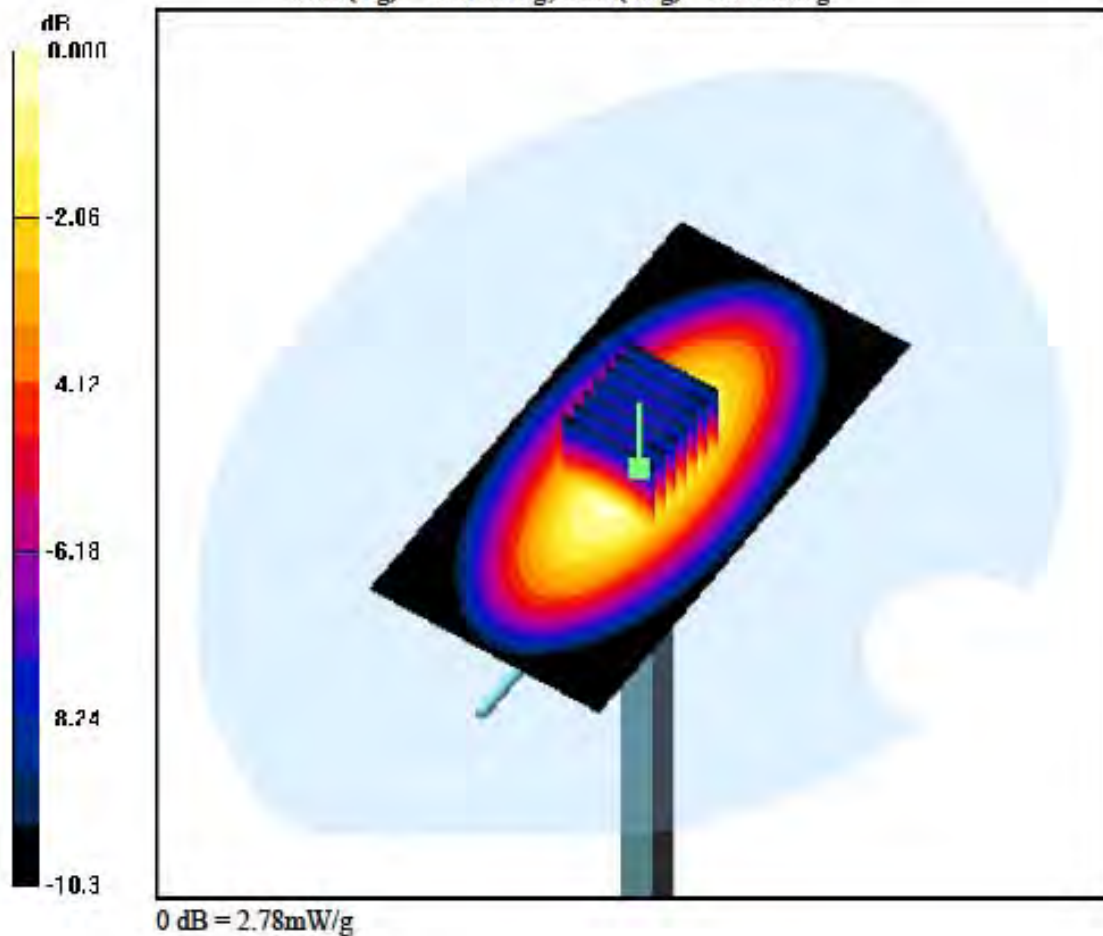
### DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; 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 = -0.047 dB  
 Peak SAR (extrapolated) = 3.92 W/kg  
 SAR(1 g) = 2.58 W/kg; SAR(10 g) = 1.68 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:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.965 \text{ mho/m}$ ;  $\epsilon_r = 54.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

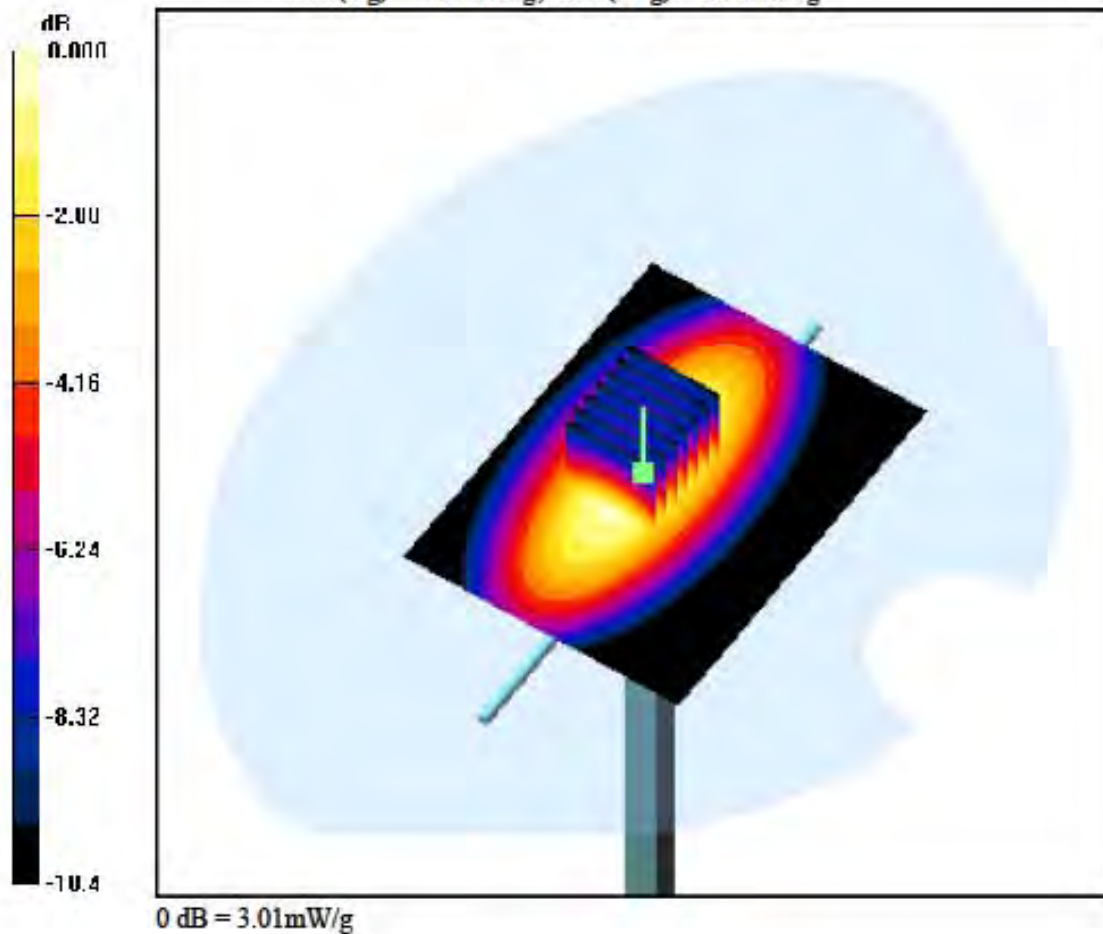
### DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

### Dipole Validation

**Area Scan (61x81x1):** 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 = 0.008 dB  
Peak SAR (extrapolated) = 3.74 W/kg  
SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.61 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:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.42 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

### DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

### Dipole Validation

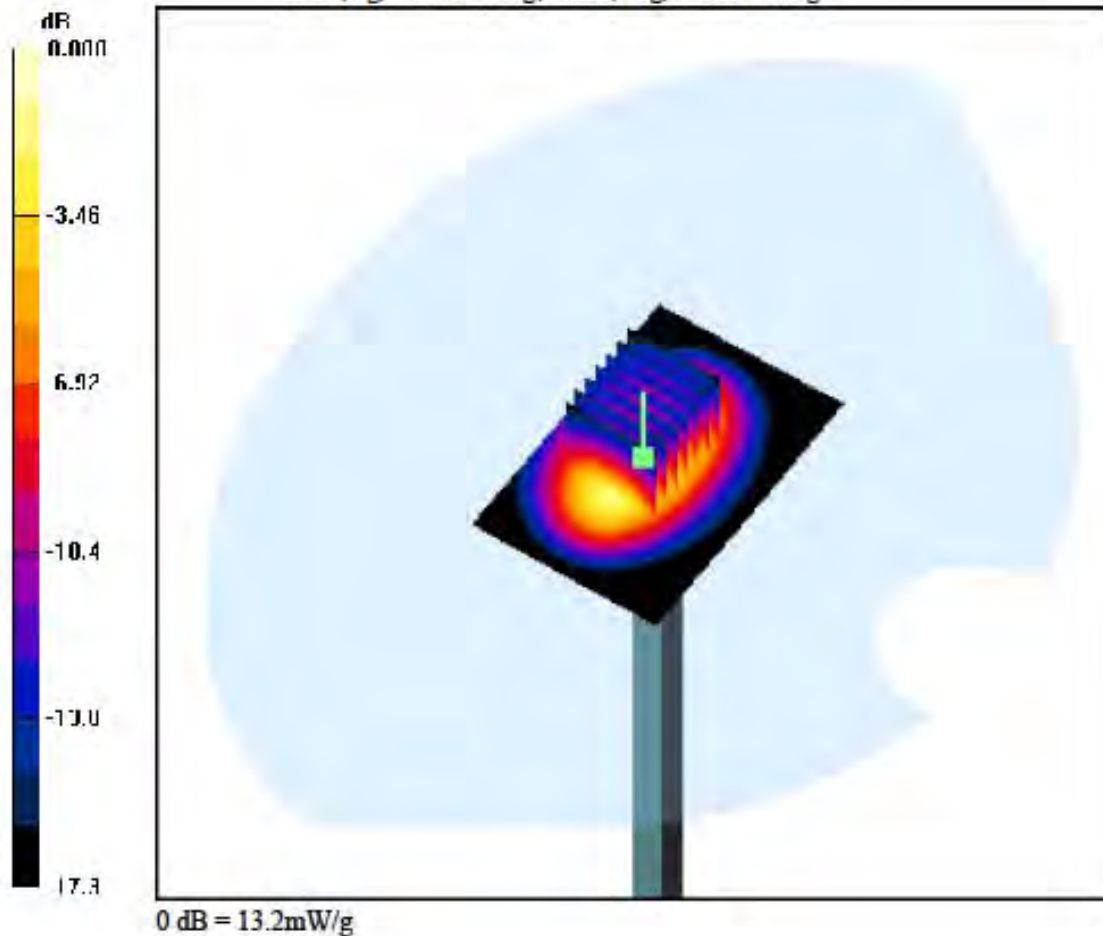
**Area Scan (61x91x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Power Drift = 0.054 dB

Peak SAR (extrapolated) = 17.9 W/kg

SAR(1 g) = 9.72 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:  $f = 1900$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

### Dipole Validation

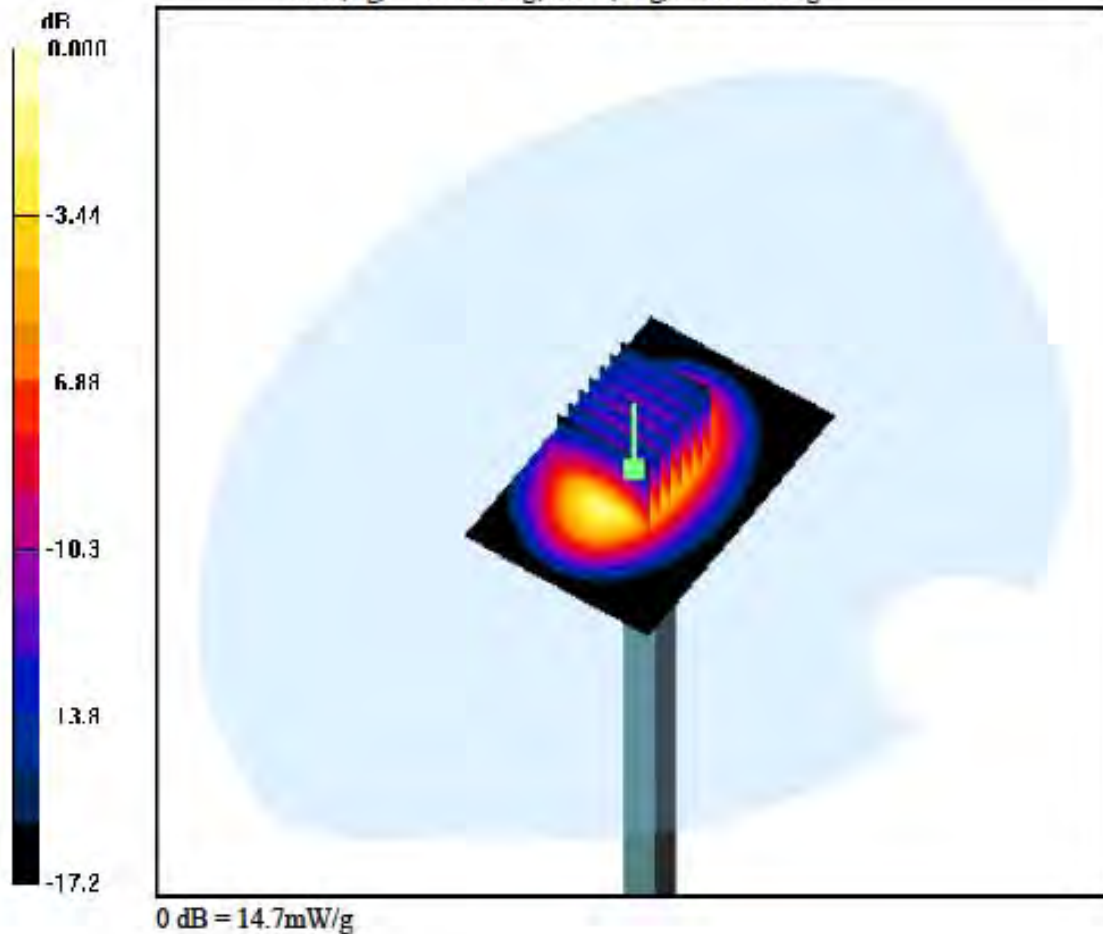
**Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.063 dB

Peak SAR (extrapolated) = 20.0 W/kg

SAR(1 g) = 10.8 W/kg; SAR(10 g) = 5.62 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;  $\sigma = 1.83$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

### Dipole Validation

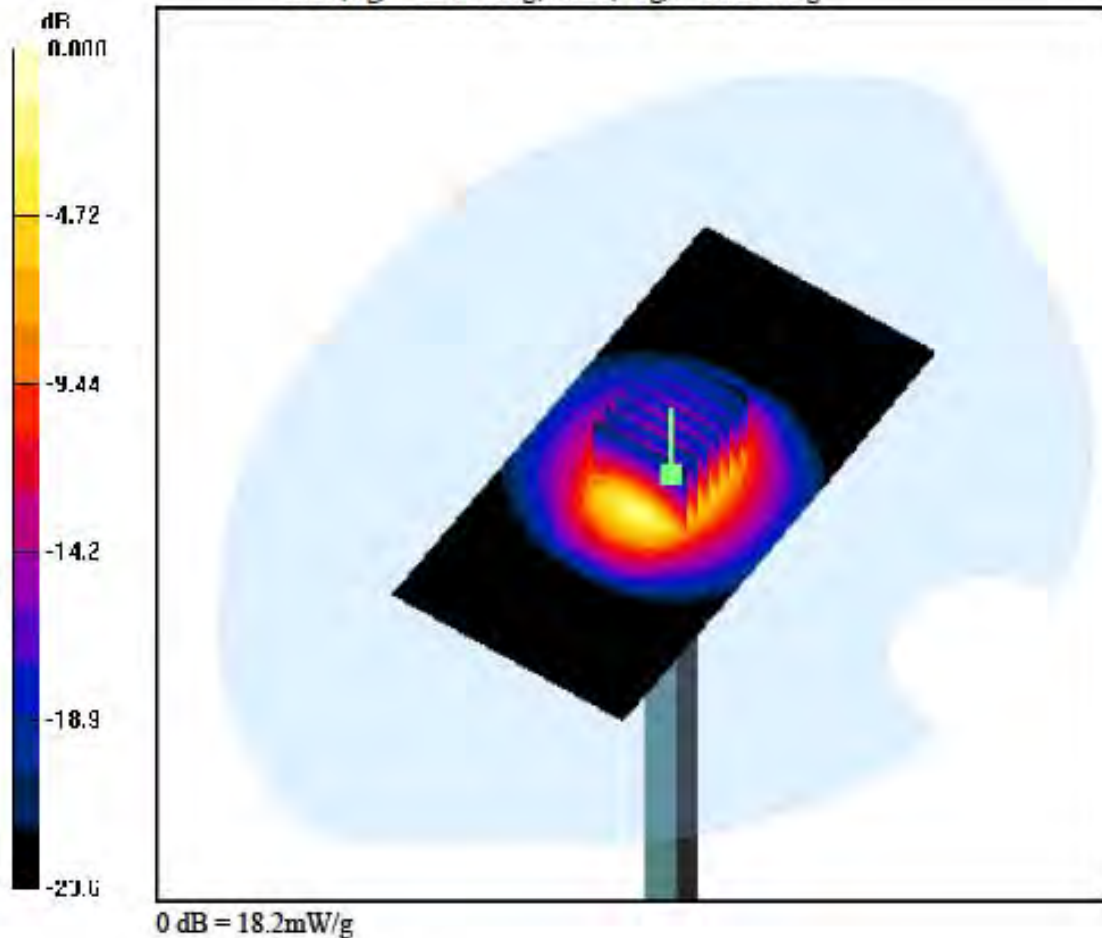
**Area Scan (51x101x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Power Drift = 0.046 dB

Peak SAR (extrapolated) = 27.7 W/kg

SAR(1 g) = 12.6 W/kg; SAR(10 g) = 5.71 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;  $\sigma = 1.98$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

### DASY4 Configuration:

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

### Dipole Validation

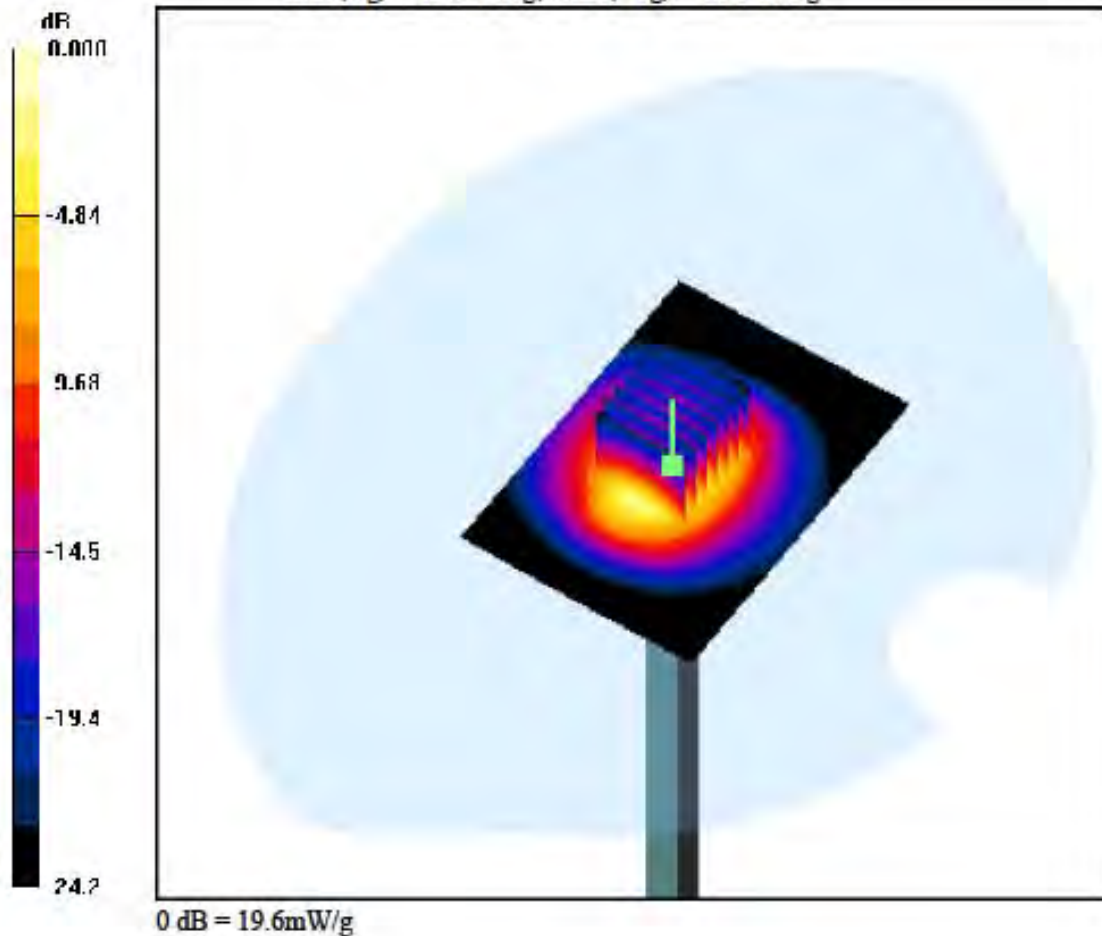
**Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.000 dB

Peak SAR (extrapolated) = 29.9 W/kg

SAR(1 g) = 13.5 W/kg; SAR(10 g) = 6.02 W/kg



## Attachment 2. – SAR Test Plots



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.881$  mho/m;  $\epsilon_r = 42$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

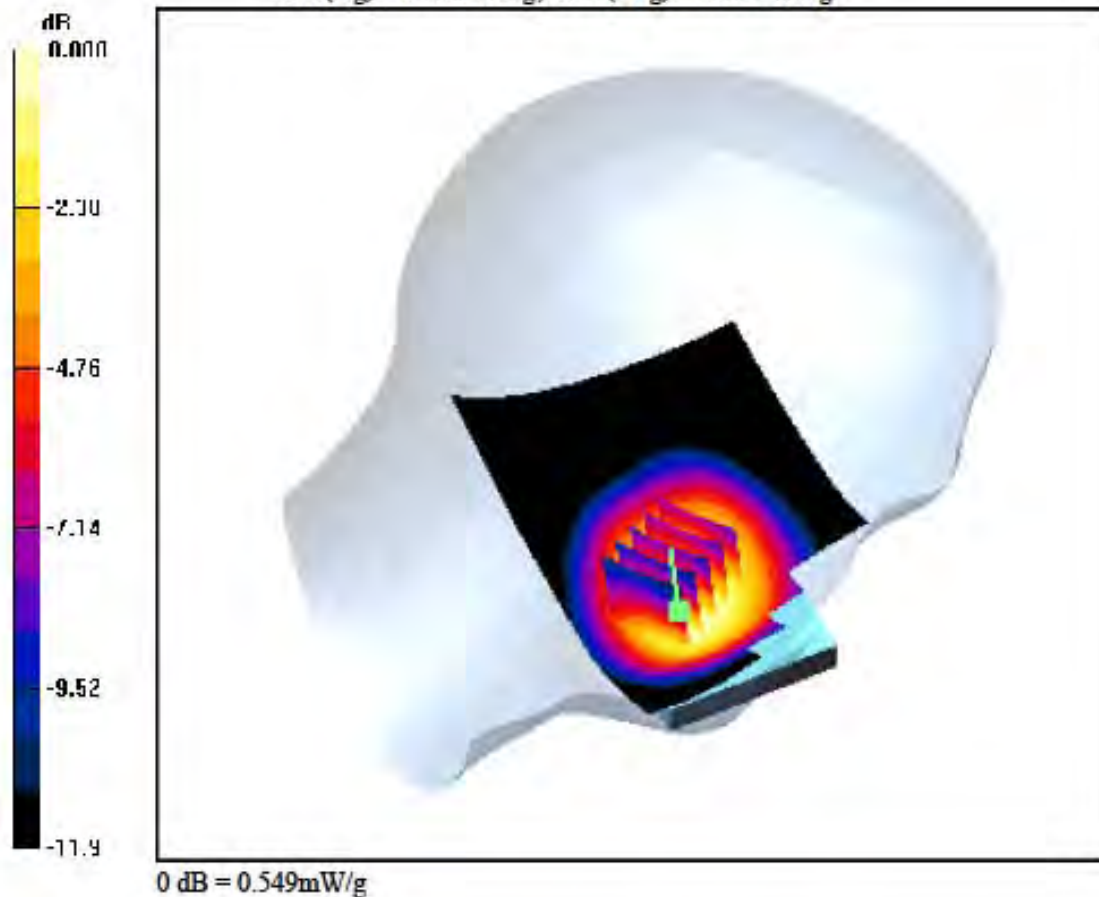
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**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 = 0.023 dB  
Peak SAR (extrapolated) = 0.671 W/kg  
SAR(1 g) = 0.472 W/kg; SAR(10 g) = 0.337 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

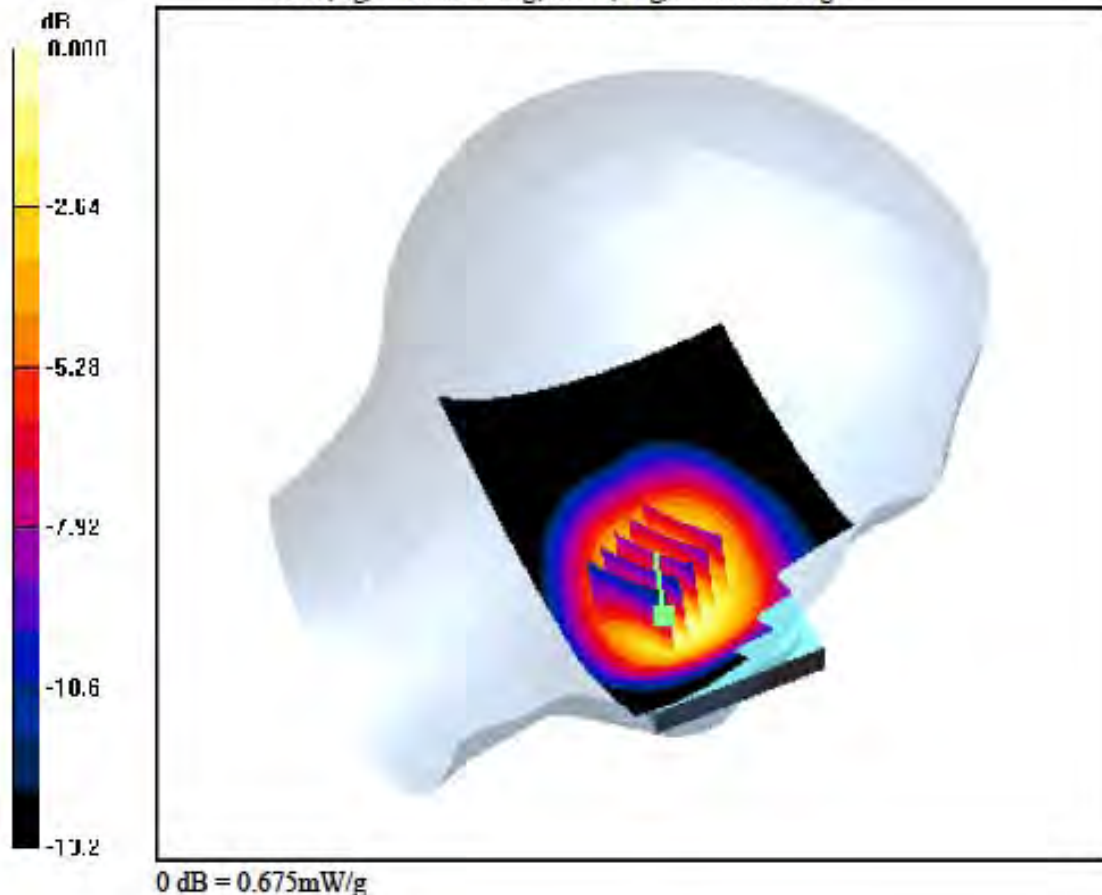
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**Left Touch, 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 = 0.051 dB  
 Peak SAR (extrapolated) = 0.835 W/kg  
 SAR(1 g) = 0.571 W/kg; SAR(10 g) = 0.402 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.921 \text{ mho/m}$ ;  $\epsilon_r = 42.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

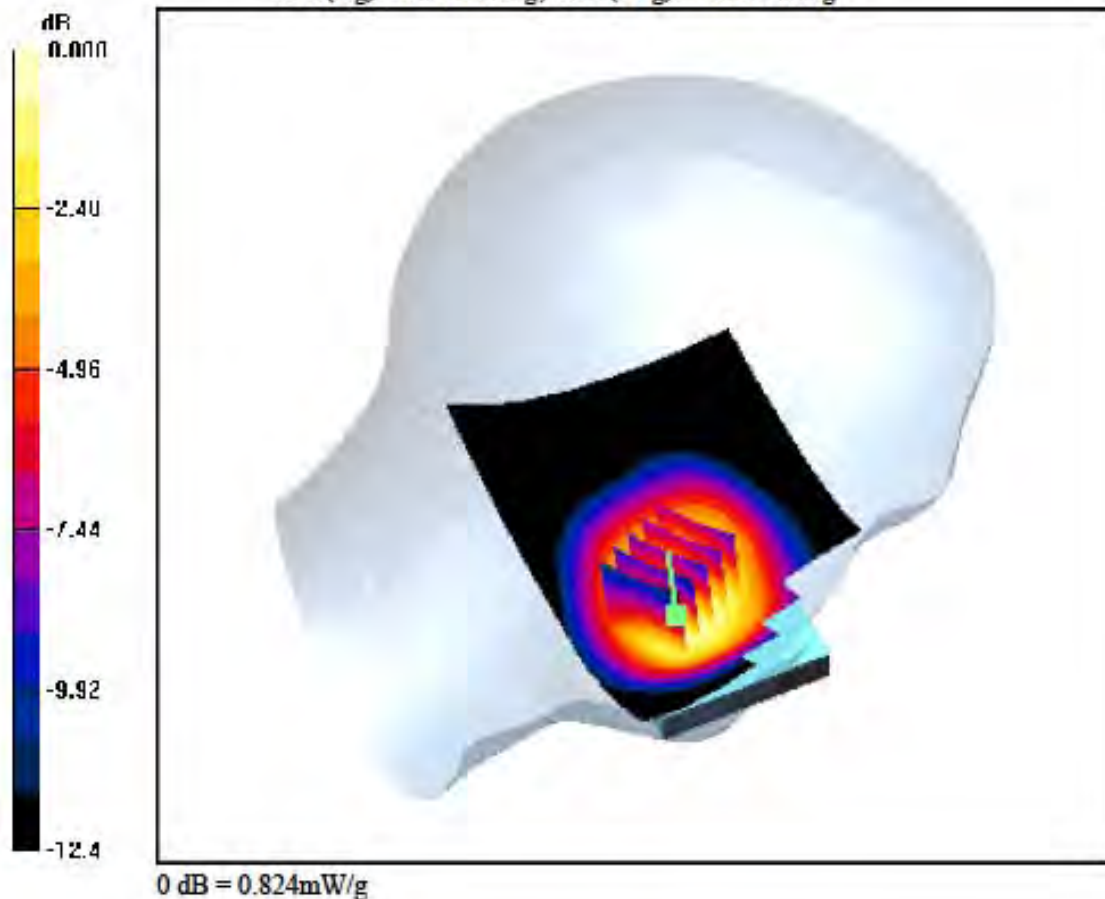
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**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 = 0.017 dB  
 Peak SAR (extrapolated) = 1.02 W/kg  
 SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.504 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Right Section

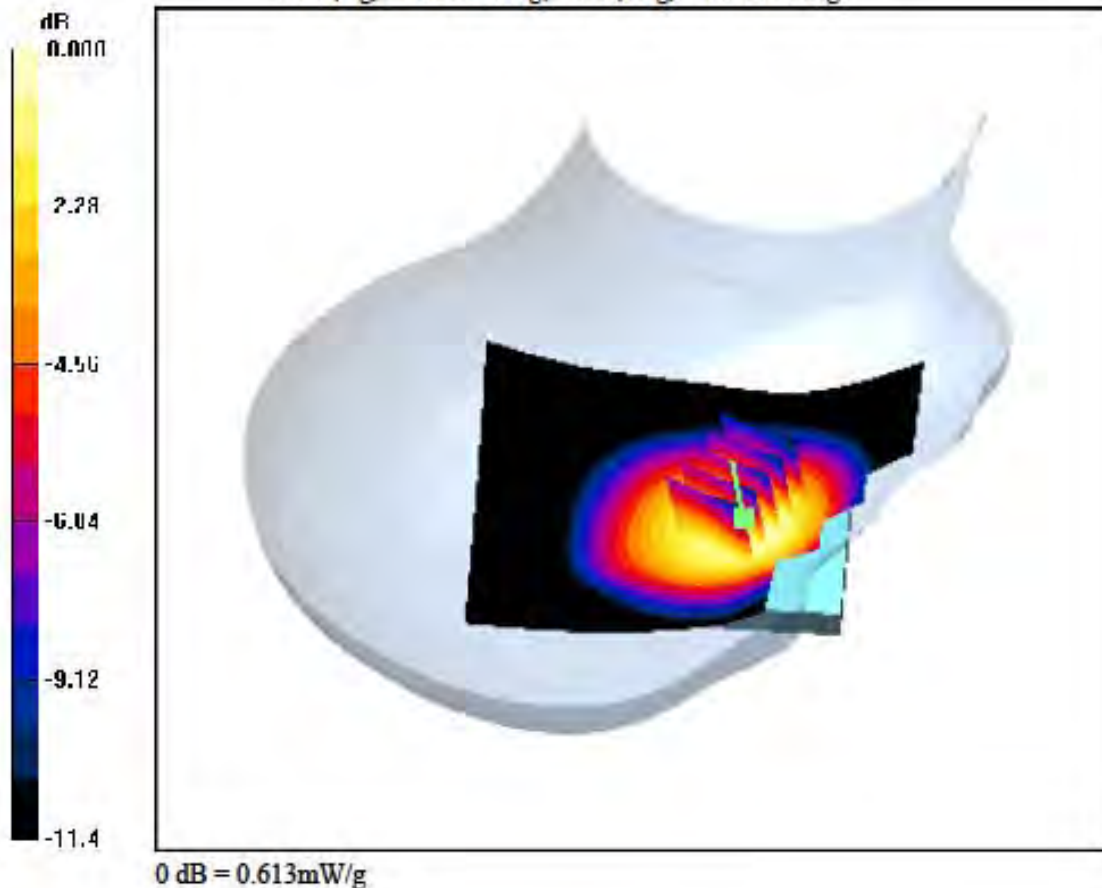
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**Right Touch, 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 = -0.048 dB  
 Peak SAR (extrapolated) = 0.697 W/kg  
 SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.379 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

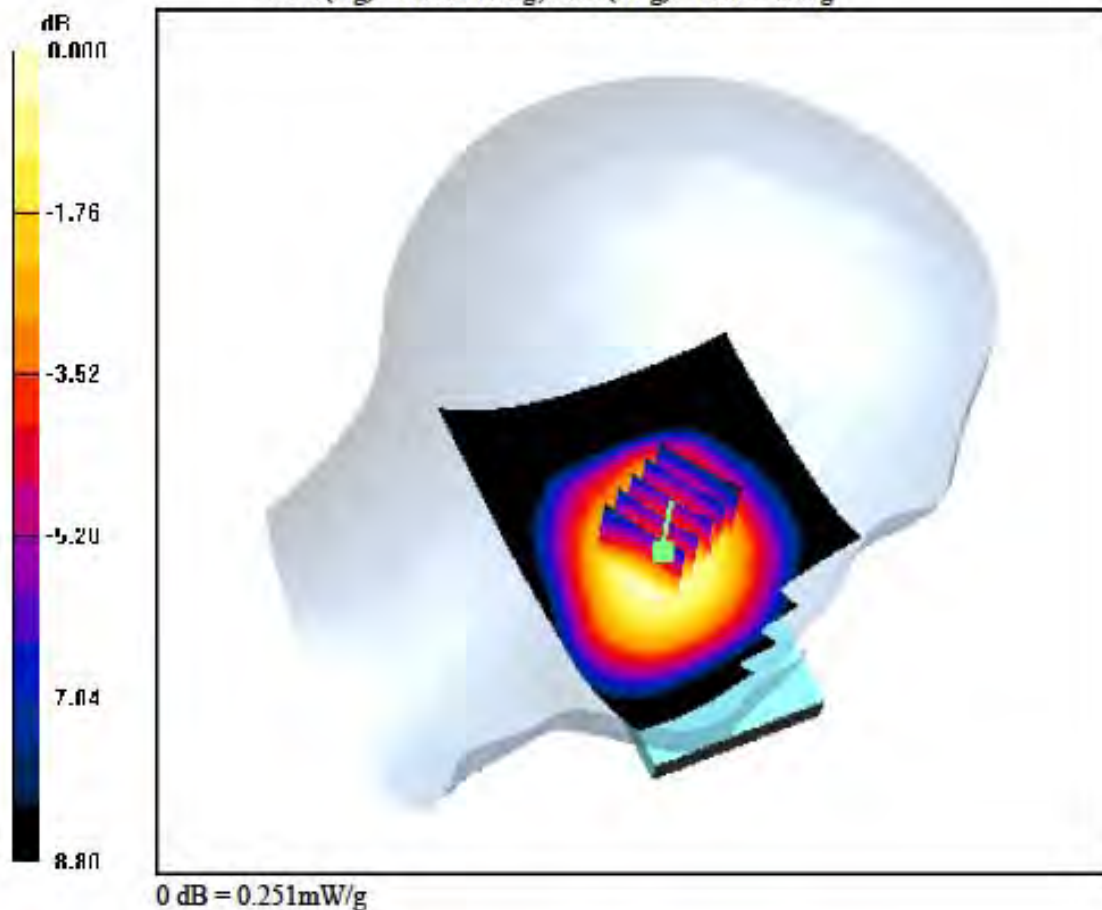
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**Left 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 = 0.025 dB  
 Peak SAR (extrapolated) = 0.282 W/kg  
 SAR(1 g) = 0.223 W/kg; SAR(10 g) = 0.168 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.905 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

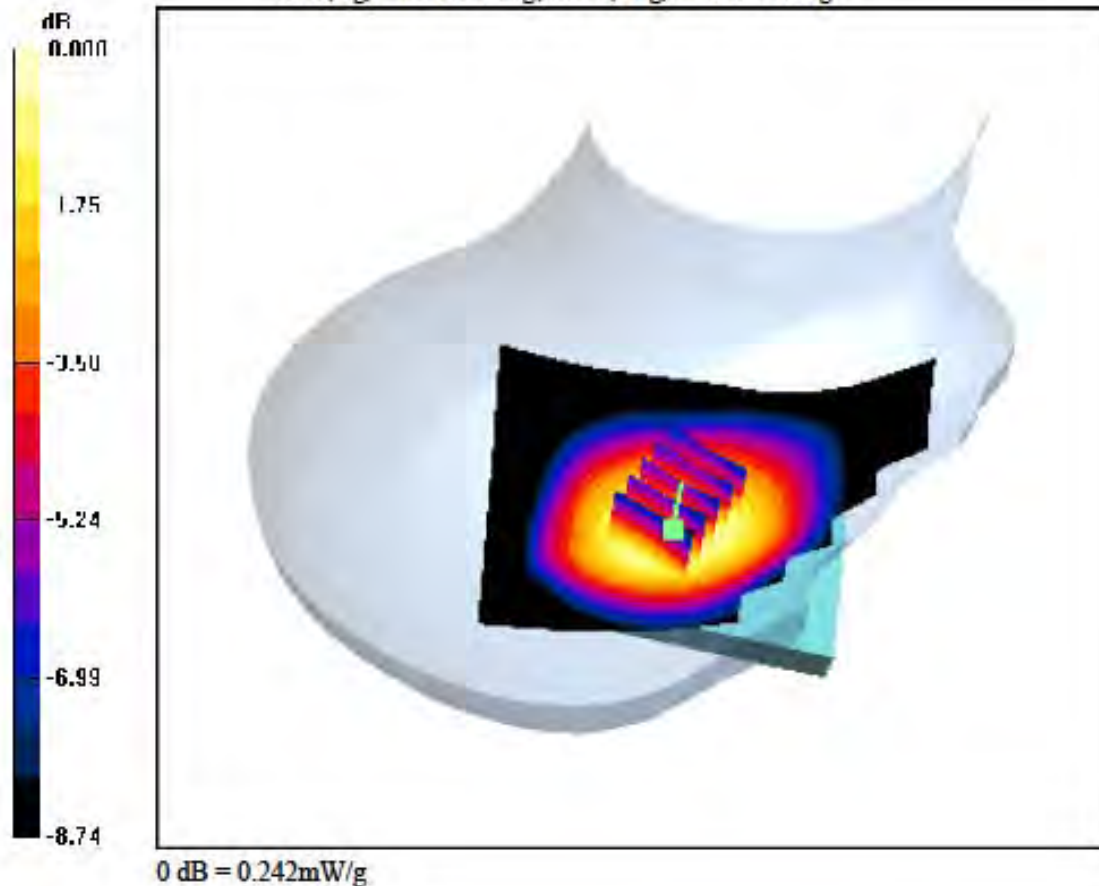
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**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 = 0.090 dB  
Peak SAR (extrapolated) = 0.271 W/kg  
SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.165 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

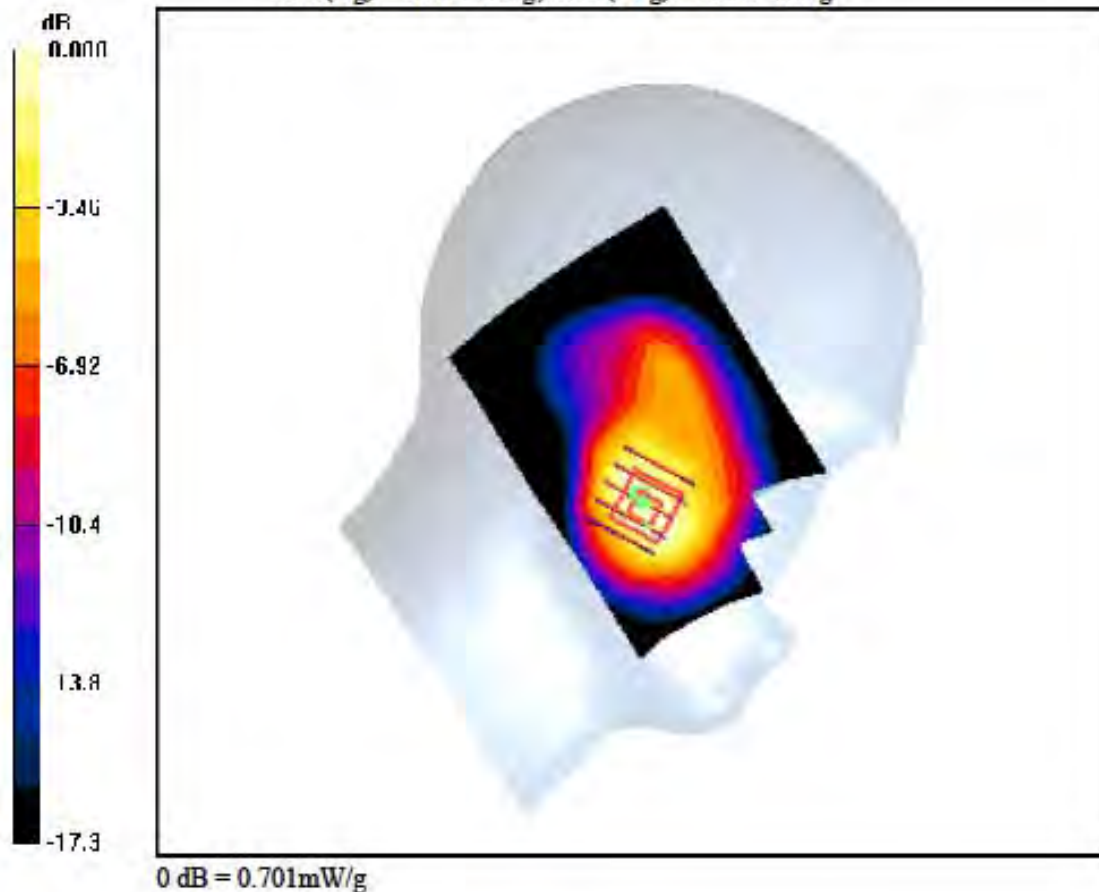
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**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 = 0.059 dB  
 Peak SAR (extrapolated) = 0.906 W/kg  
 SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.360 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

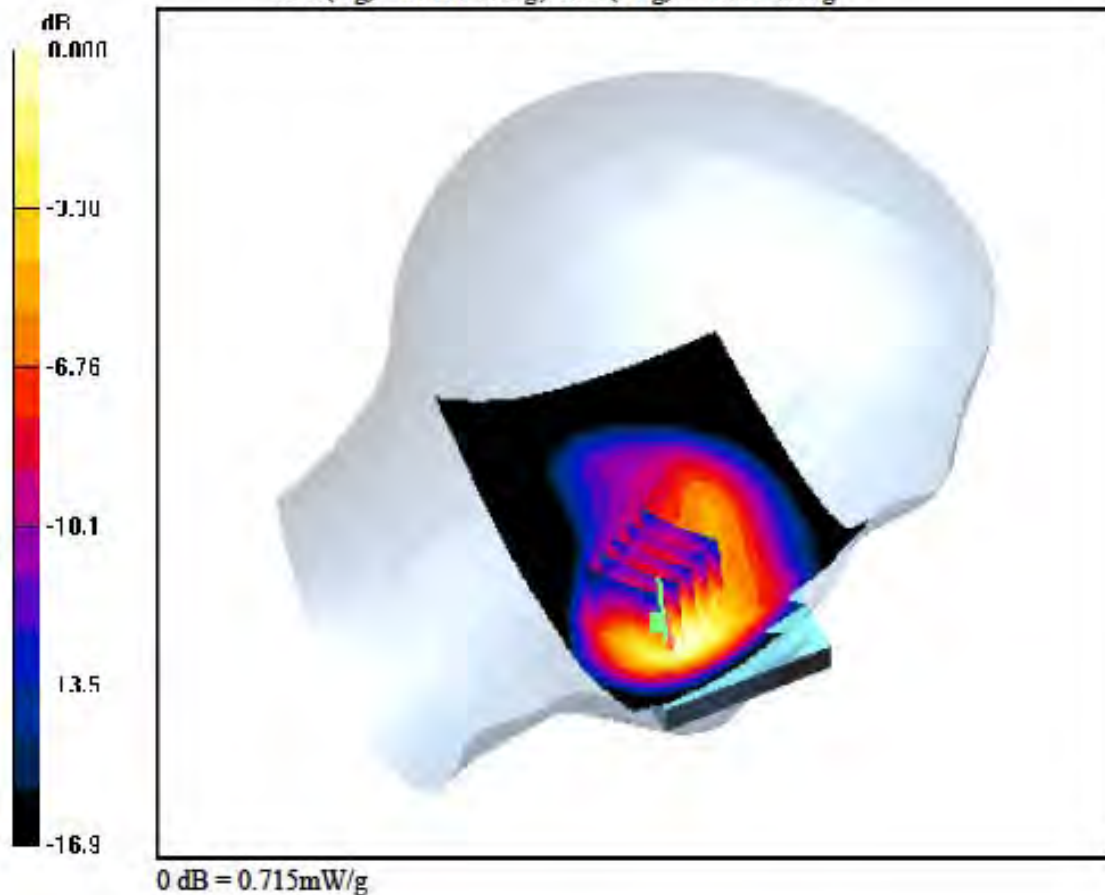
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**Left Touch, PCS1900 Ch. 661, 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 = -0.098 dB  
 Peak SAR (extrapolated) = 0.915 W/kg  
 SAR(1 g) = 0.600 W/kg; SAR(10 g) = 0.361 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

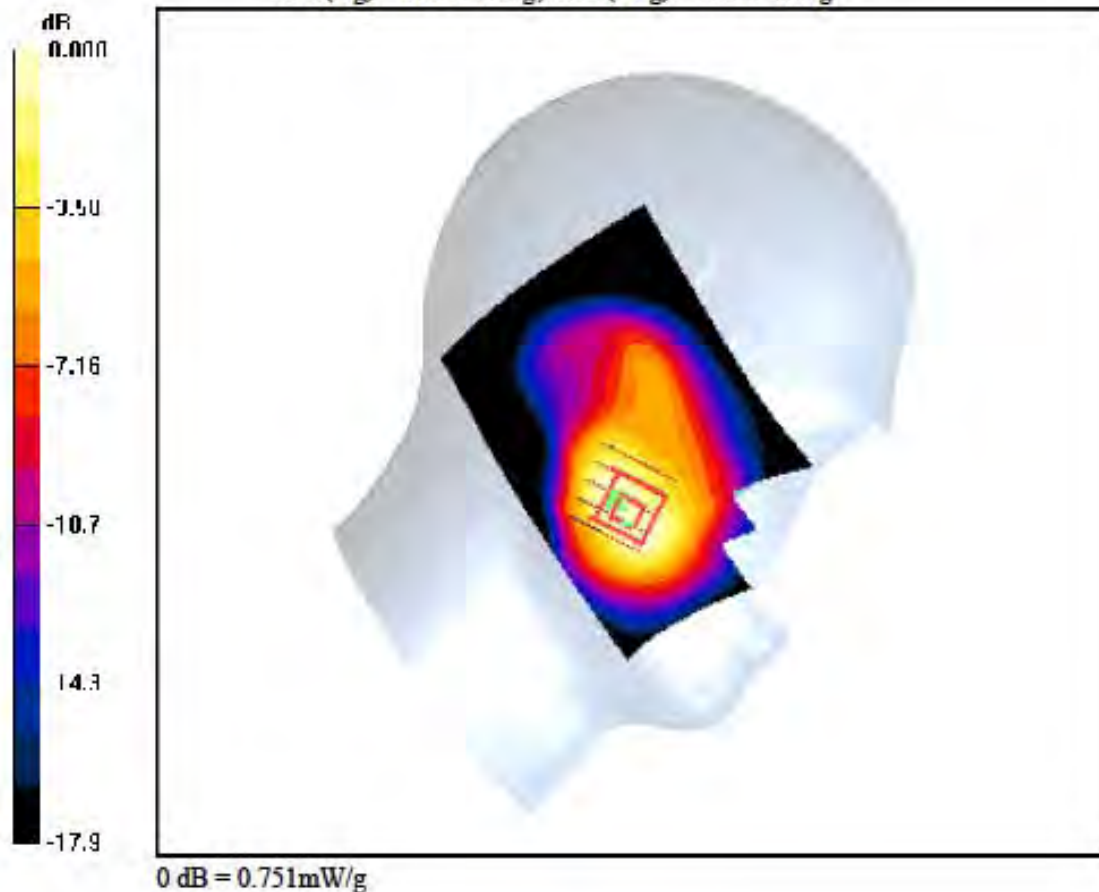
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**Left Touch, PCS1900 Ch. 810, 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 = 0.037 dB  
 Peak SAR (extrapolated) = 0.994 W/kg  
 SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.380 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

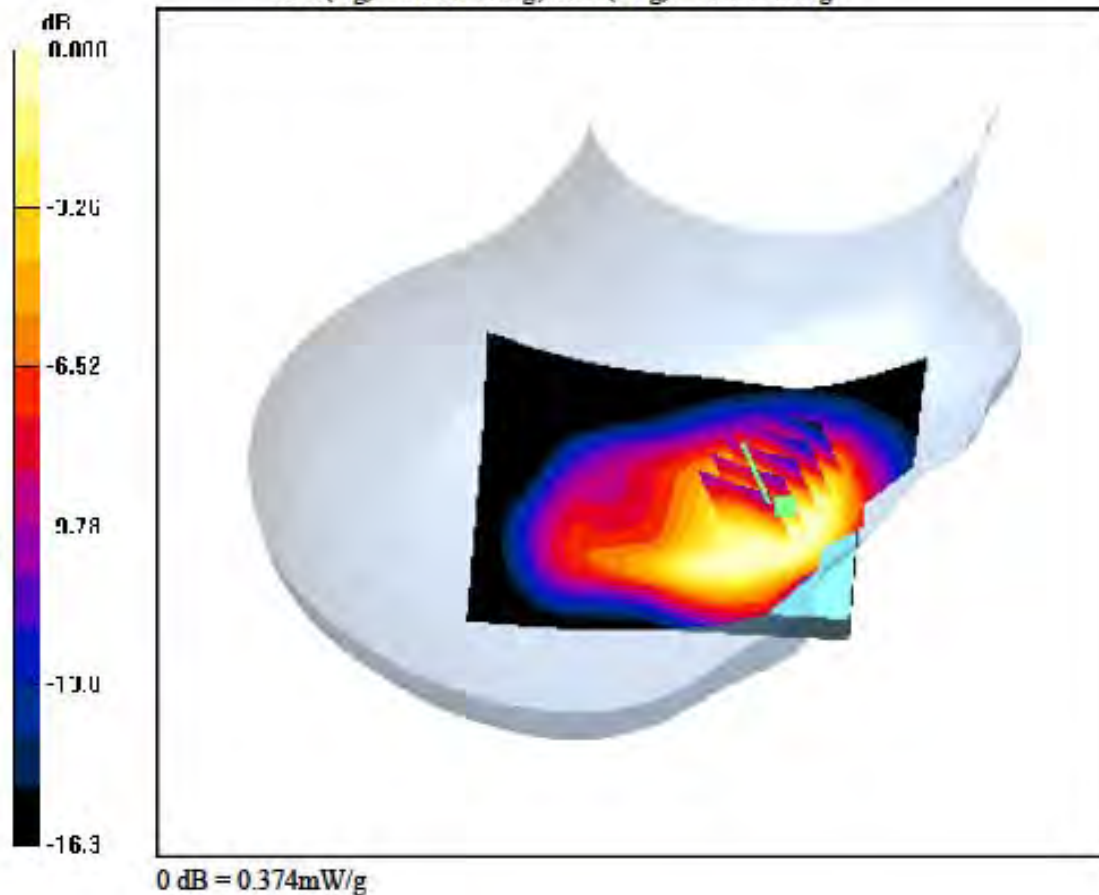
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**Right Touch, PCS1900 Ch. 661, 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 = 0.051 dB  
 Peak SAR (extrapolated) = 0.460 W/kg  
 SAR(1 g) = 0.318 W/kg; SAR(10 g) = 0.198 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

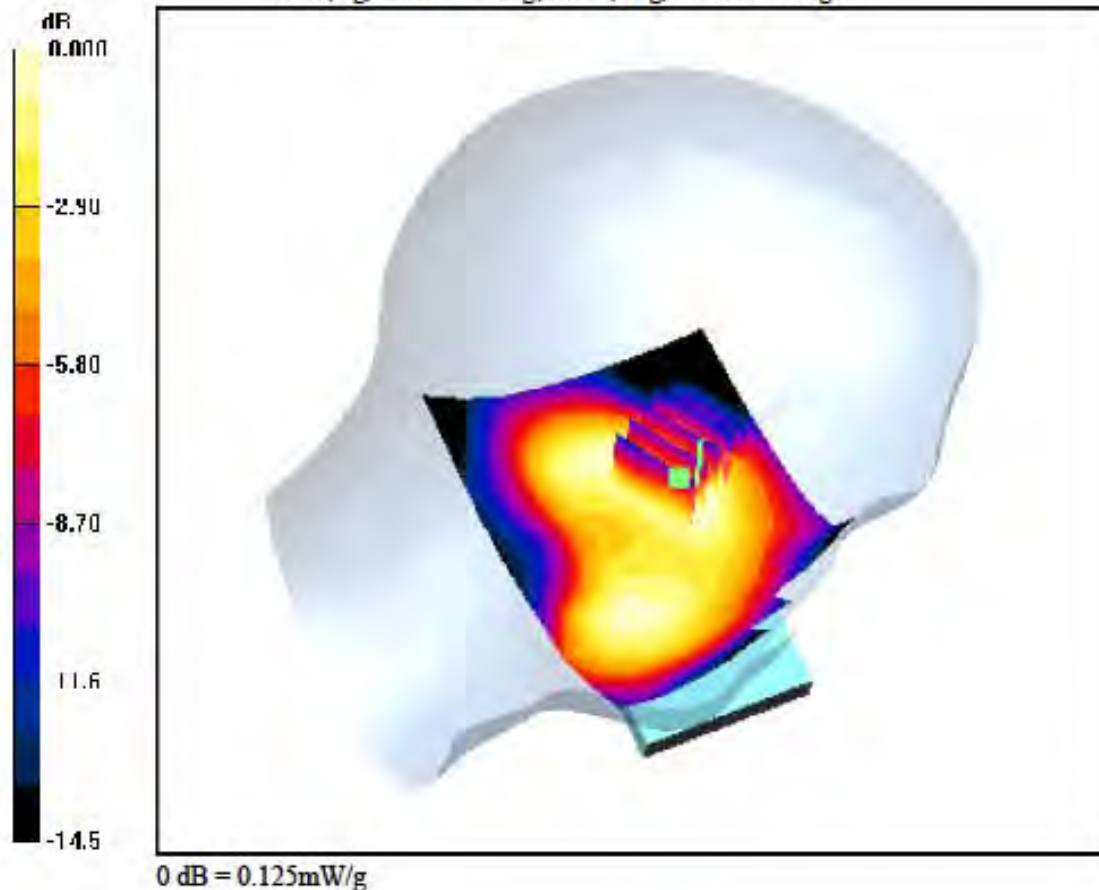
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**Left Tilt, PCS1900 Ch. 661, 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 = 0.137 dB  
Peak SAR (extrapolated) = 0.160 W/kg  
SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.067 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.41$  mho/m;  $\epsilon_r = 39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Right Section

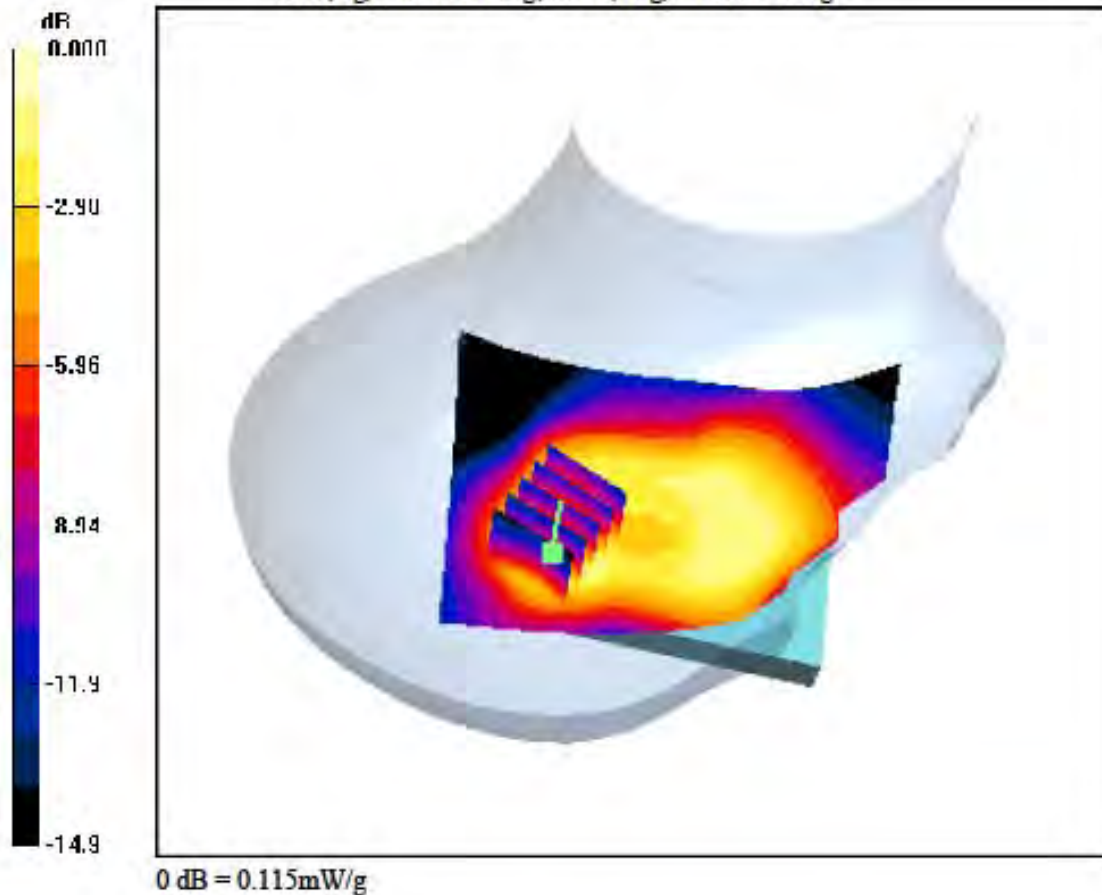
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**Right Tilt, PCS1900 Ch. 66L, 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 = 0.006 dB  
 Peak SAR (extrapolated) = 0.146 W/kg  
 SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.056 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.82$  mho/m;  $\epsilon_r = 38.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

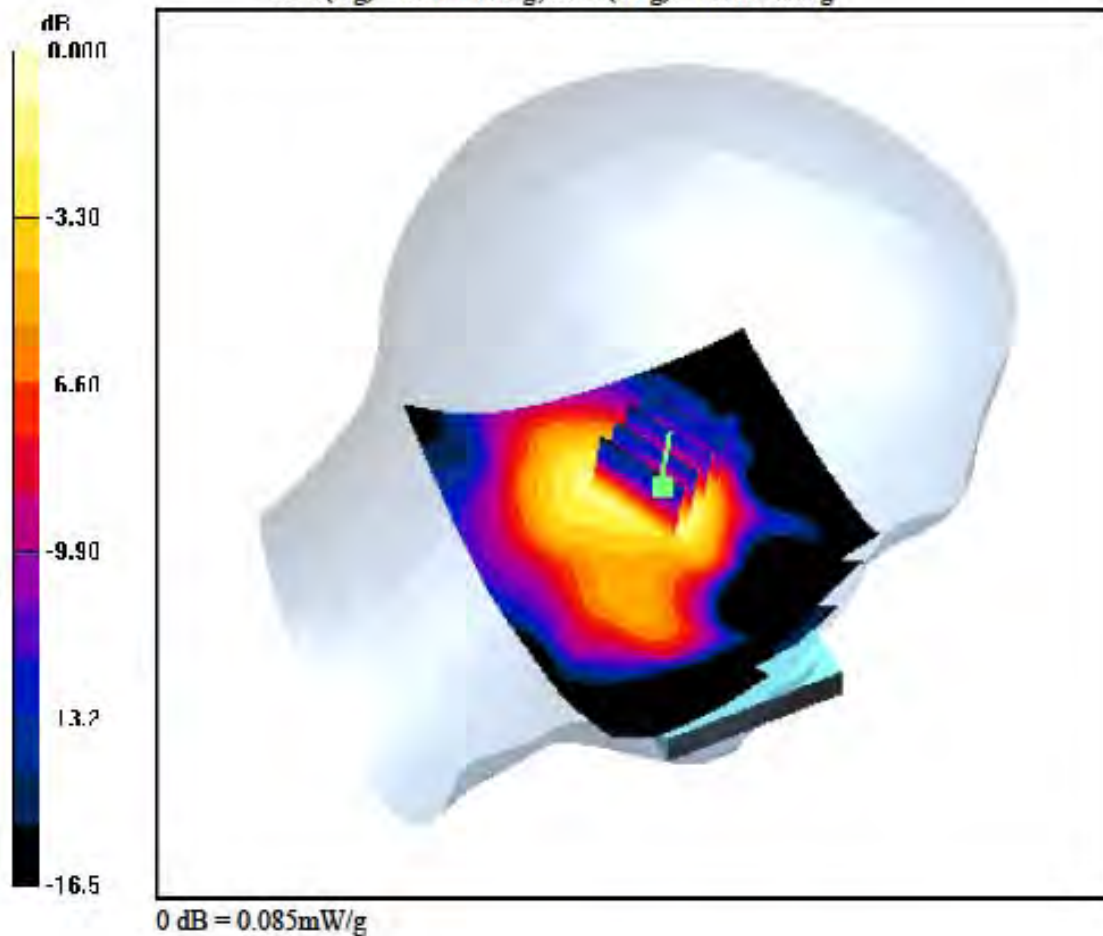
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

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

**Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.077 dB  
Peak SAR (extrapolated) = 0.132 W/kg  
SAR(1 g) = 0.066 W/kg; SAR(10 g) = 0.034 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.81 \text{ mho/m}$ ;  $\epsilon_r = 38.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Right Section

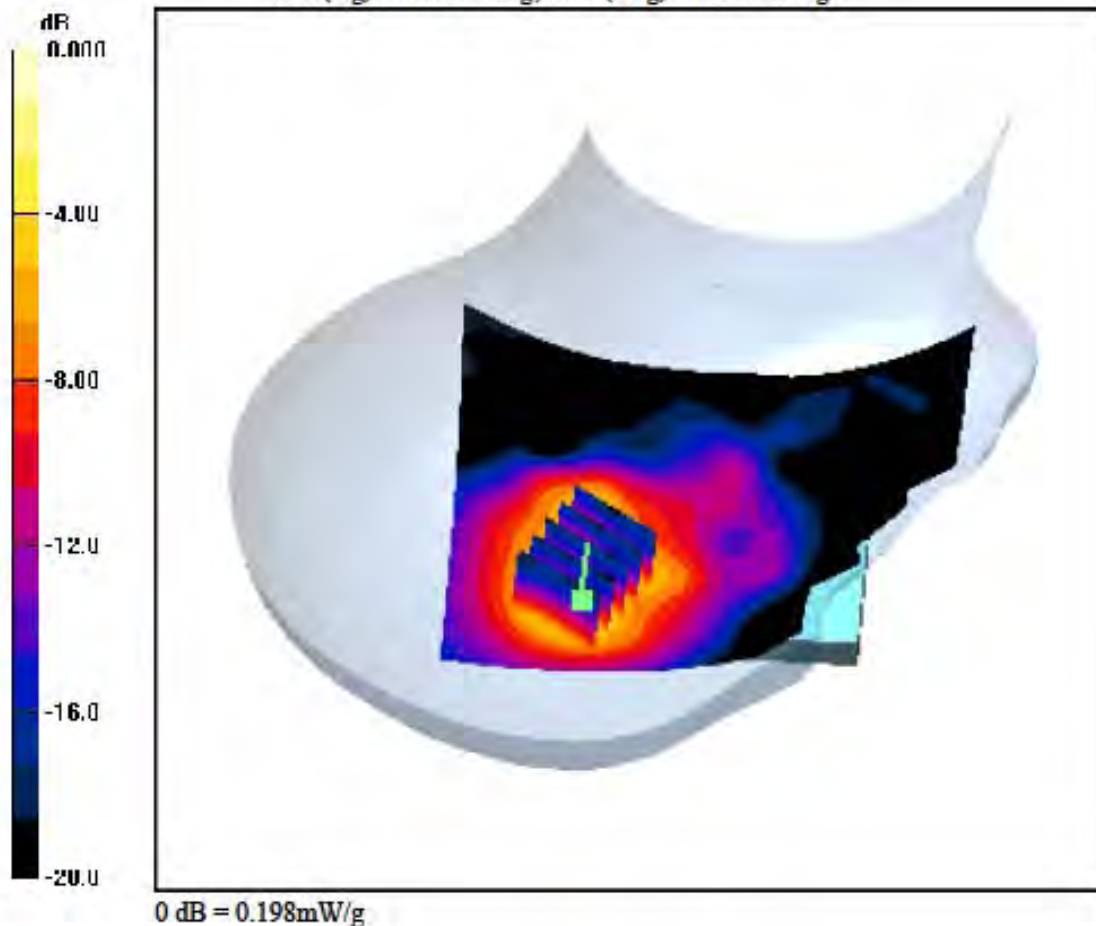
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; 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 = 0.127 dB  
 Peak SAR (extrapolated) = 0.336 W/kg  
 SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.059 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.82 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Right Section

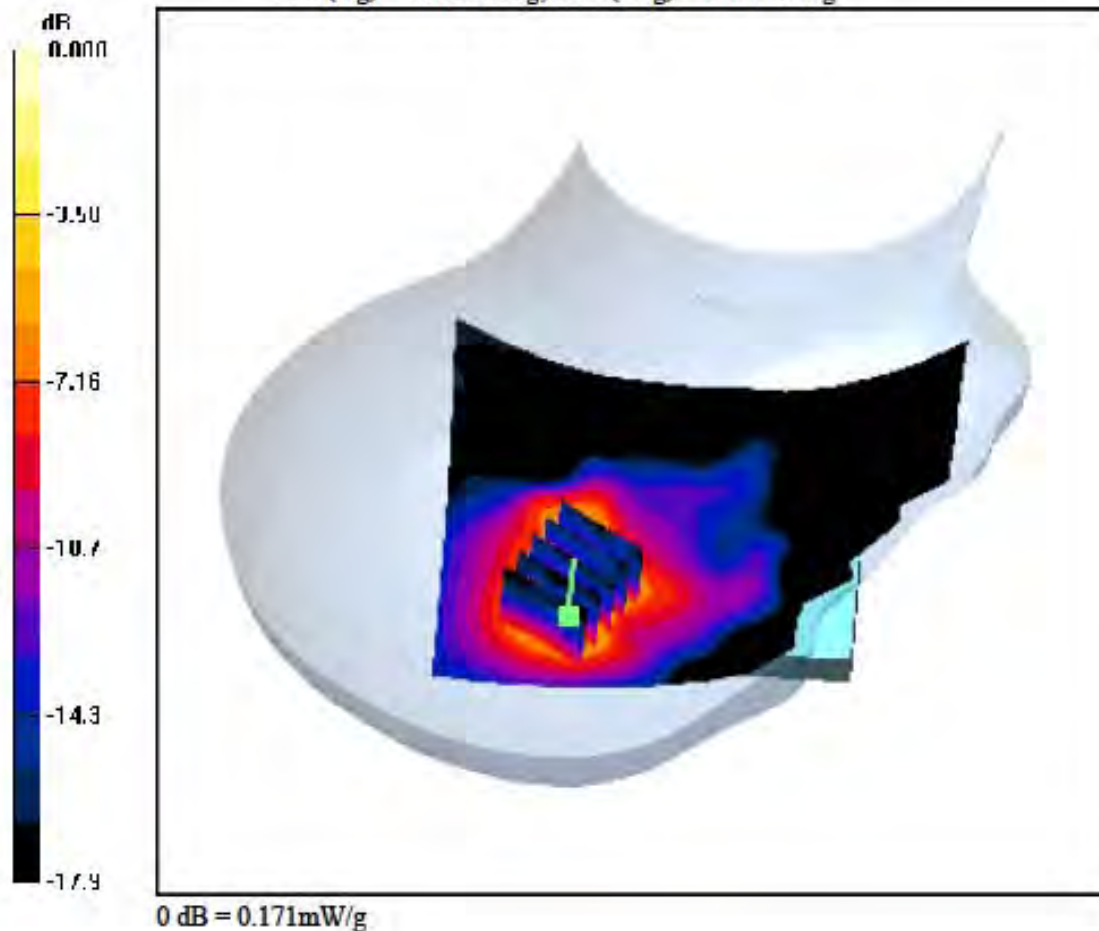
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; 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 = 0.174 dB  
 Peak SAR (extrapolated) = 0.282 W/kg  
 SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.050 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.84$  mho/m;  $\epsilon_r = 38.4$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

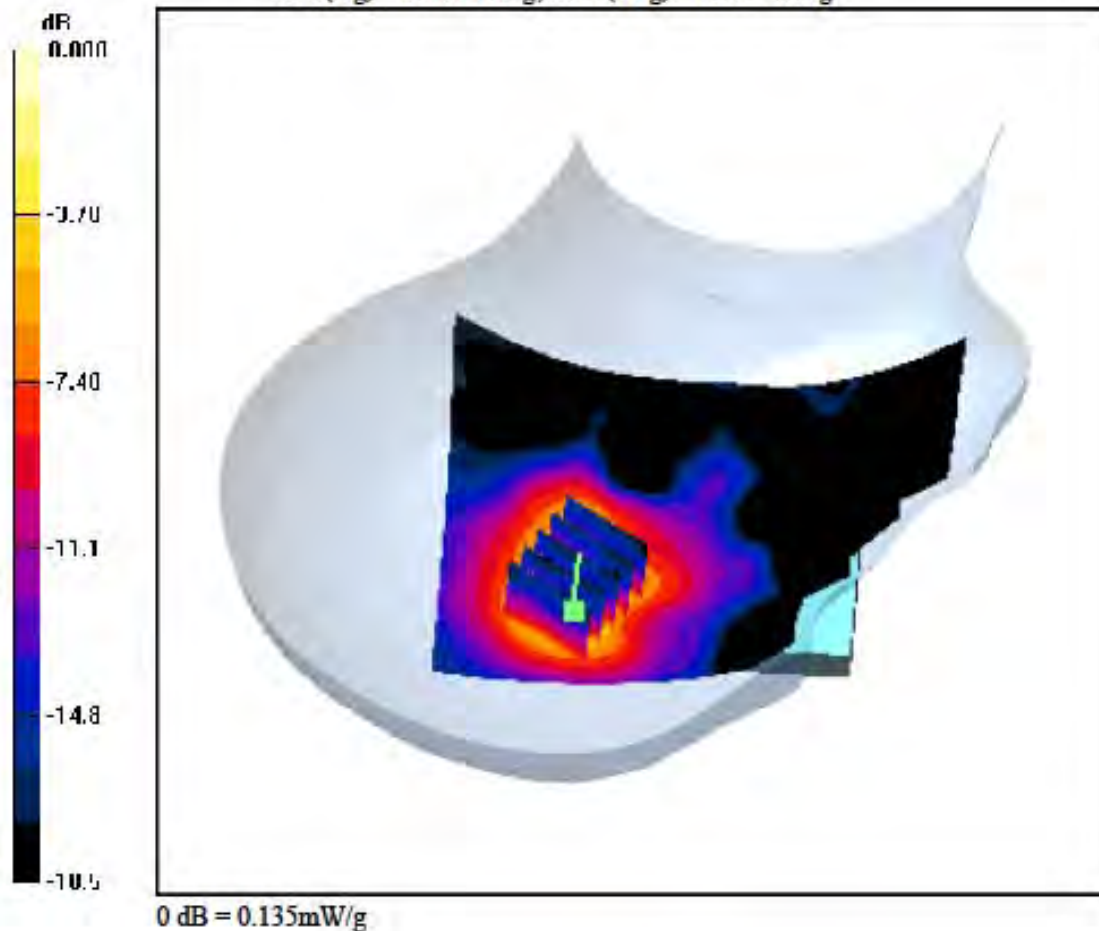
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**Right Touch, W-LAN(802.11b) Ch. 11, 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 = 0.207 dB  
Peak SAR (extrapolated) = 0.226 W/kg  
SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.039 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.82 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

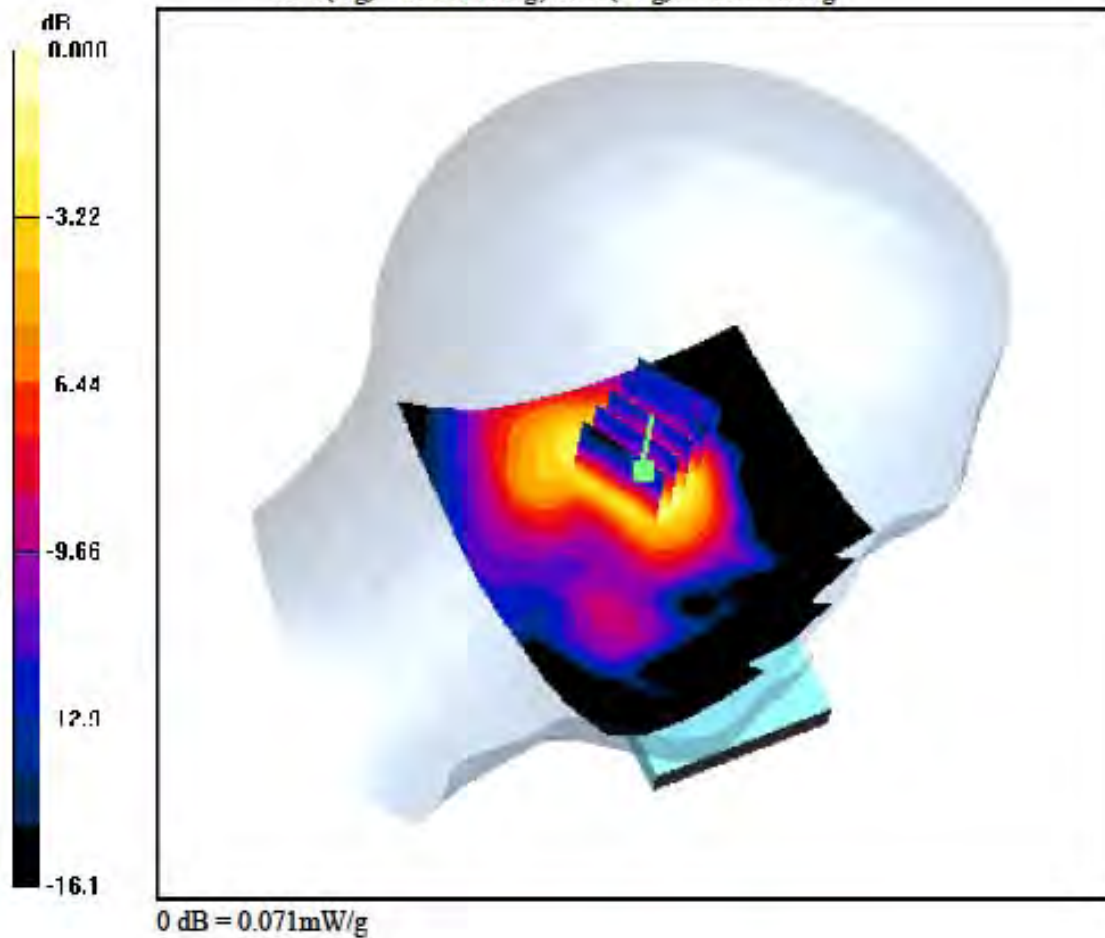
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**Left Tilt, 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 = 0.089 dB  
 Peak SAR (extrapolated) = 0.105 W/kg  
 SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.029 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.82 \text{ mho/m}$ ;  $\epsilon_r = 38.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

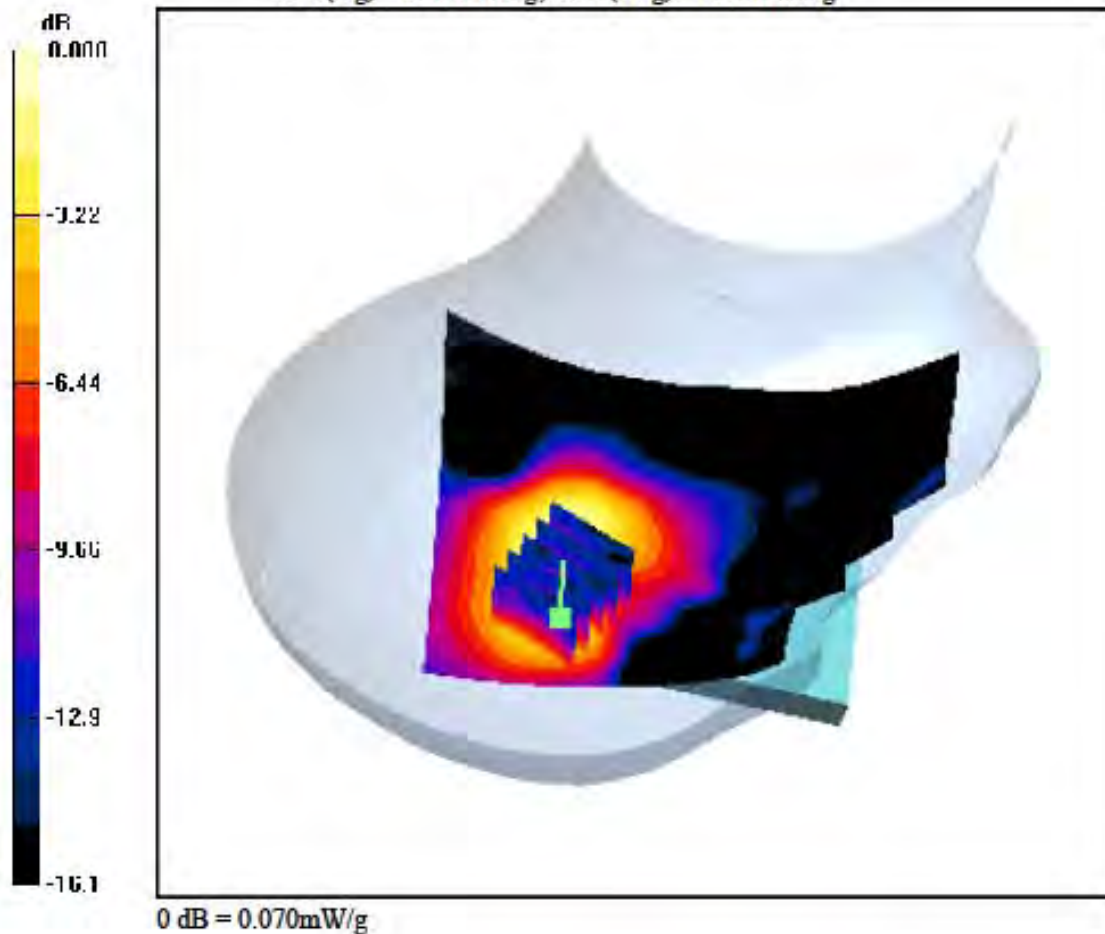
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; 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 = 0.113 dB  
Peak SAR (extrapolated) = 0.109 W/kg  
SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.024 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Bottom, GSM850 GPRS Class 10 Ch. 190, 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 = -0.188 dB  
 Peak SAR (extrapolated) = 0.085 W/kg  
 SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.041 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

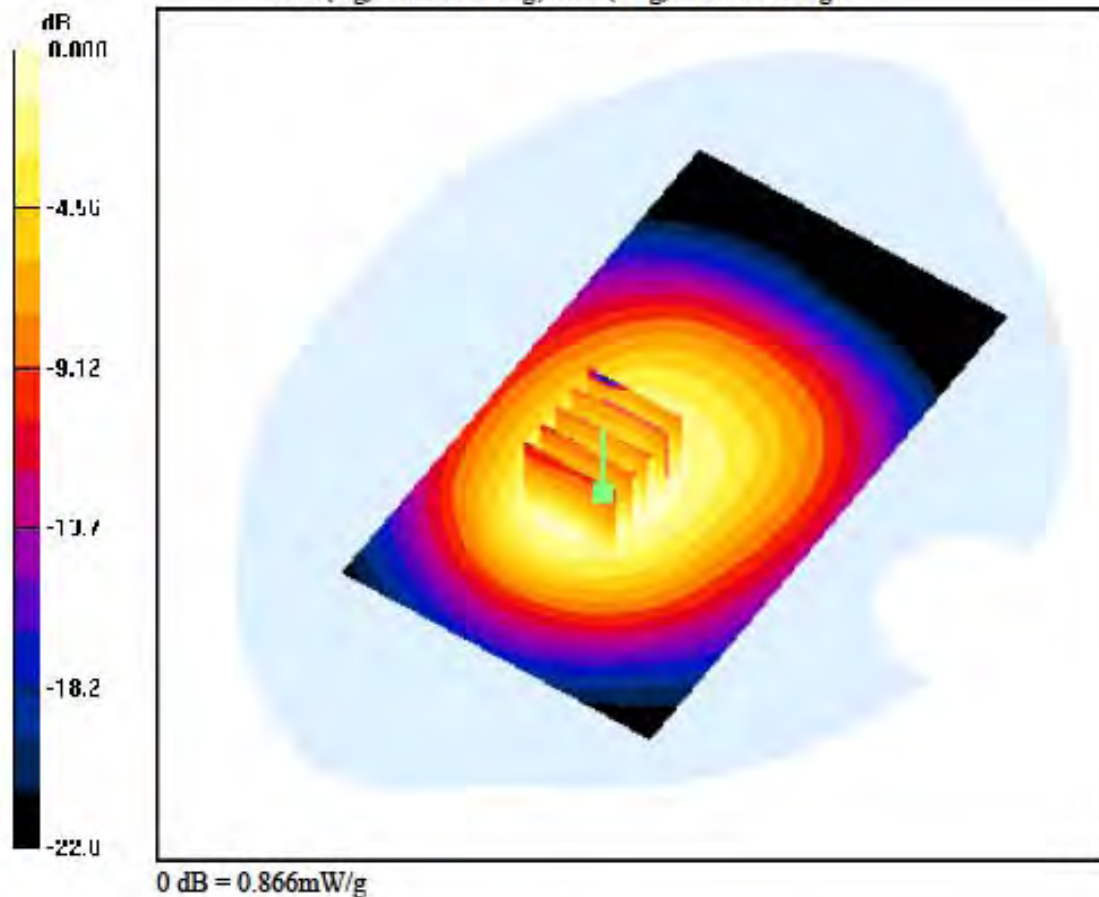
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Front, GSM850 GPRS Class 10 Ch. 190, 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 = 0.056 dB  
 Peak SAR (extrapolated) = 1.05 W/kg  
 SAR(1 g) = 0.746 W/kg; SAR(10 g) = 0.534 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

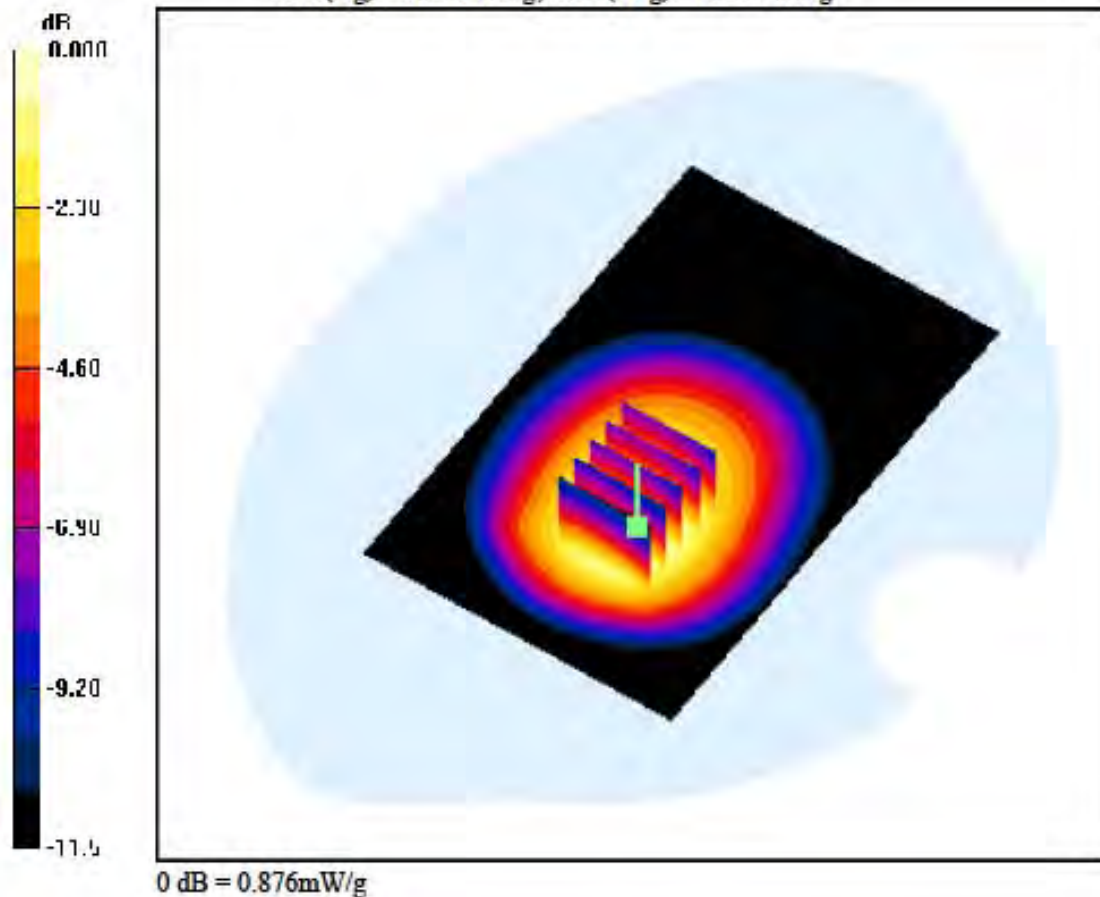
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 Ch. 190, 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 = -0.048 dB  
 Peak SAR (extrapolated) = 1.03 W/kg  
 SAR(1 g) = 0.754 W/kg; SAR(10 g) = 0.535 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 8 Ch. 190, Ant Internal**

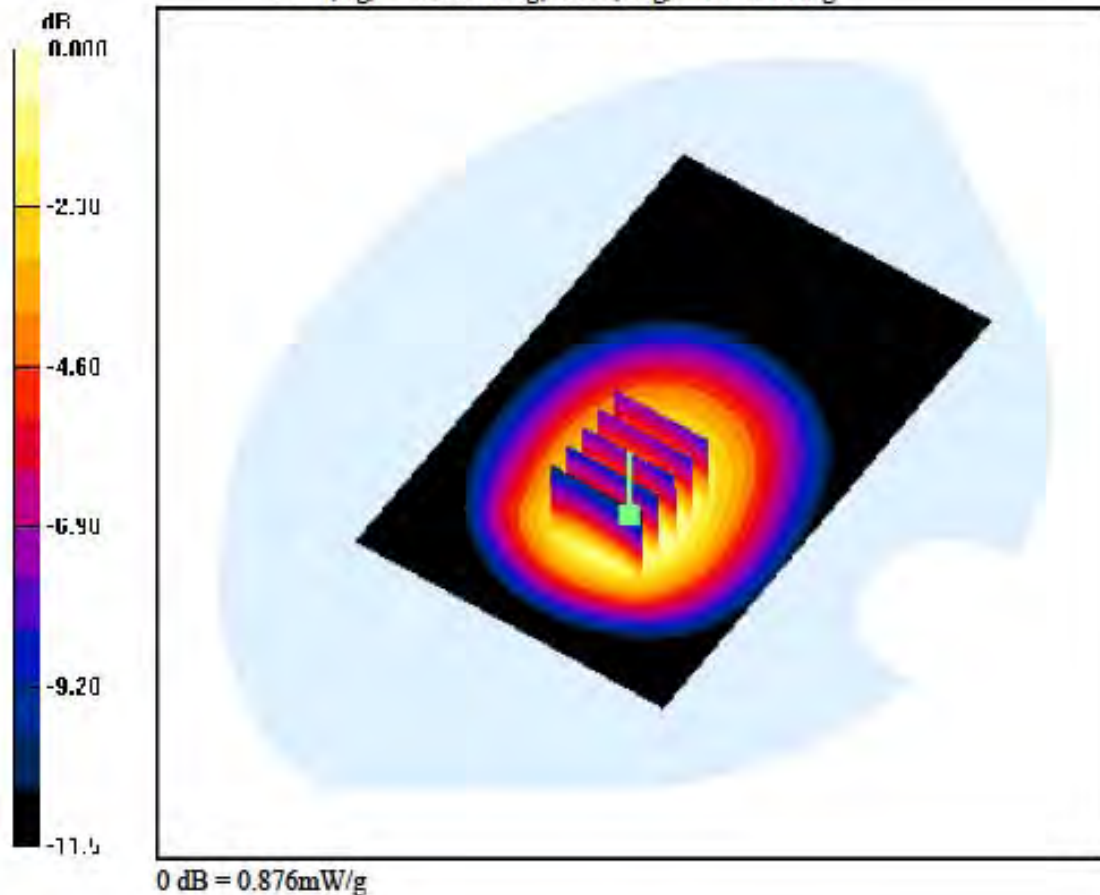
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.04 W/kg

SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.537 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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

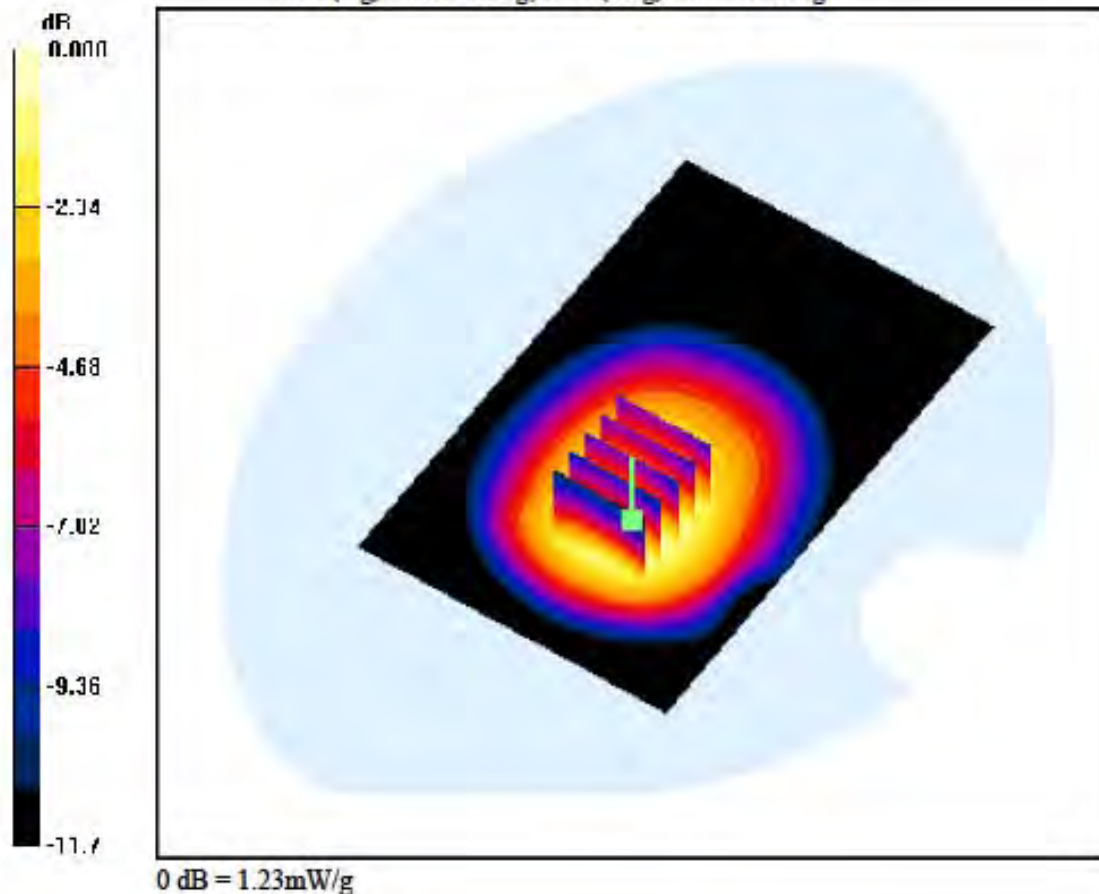
Test Date: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 128, 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 = -0.081 dB

Peak SAR (extrapolated) = 1.44 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.738 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 190, Ant Internal**

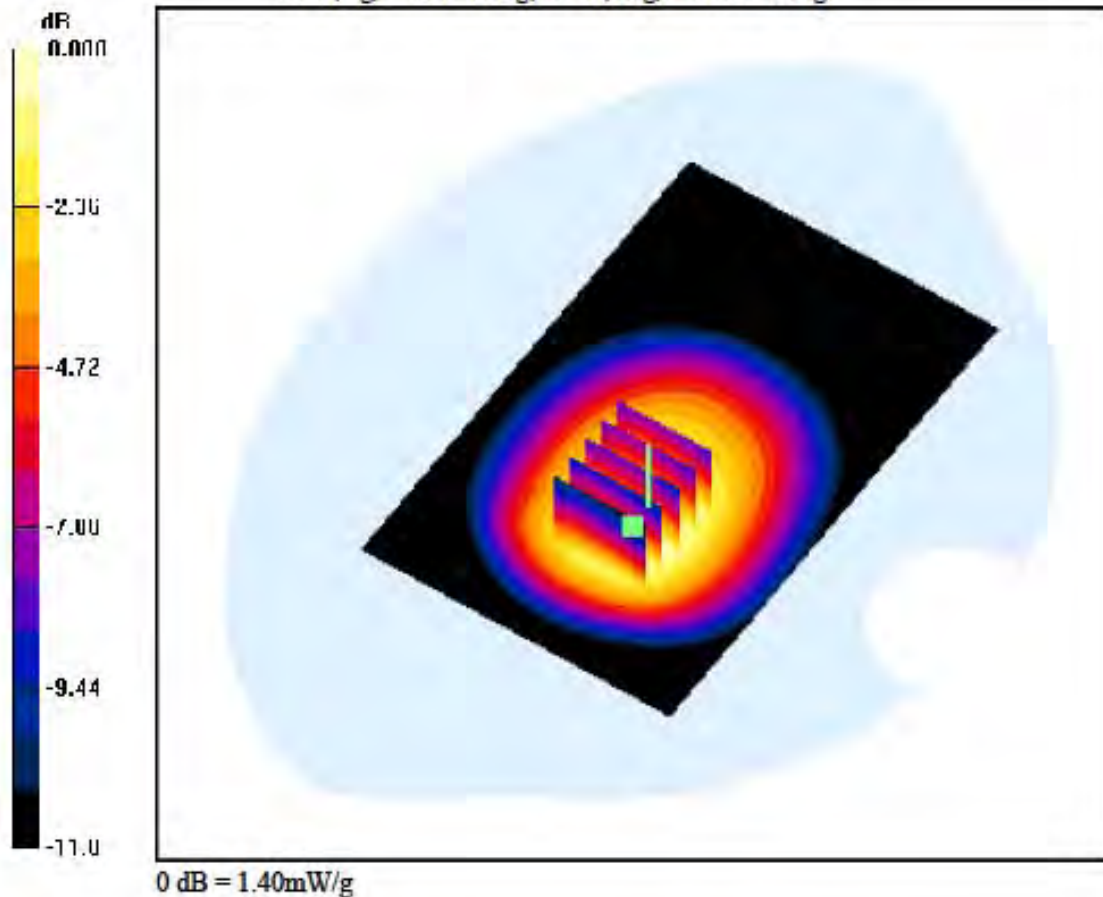
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.148 dB

Peak SAR (extrapolated) = 1.67 W/kg

SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.857 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.995 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 251, Ant Internal**

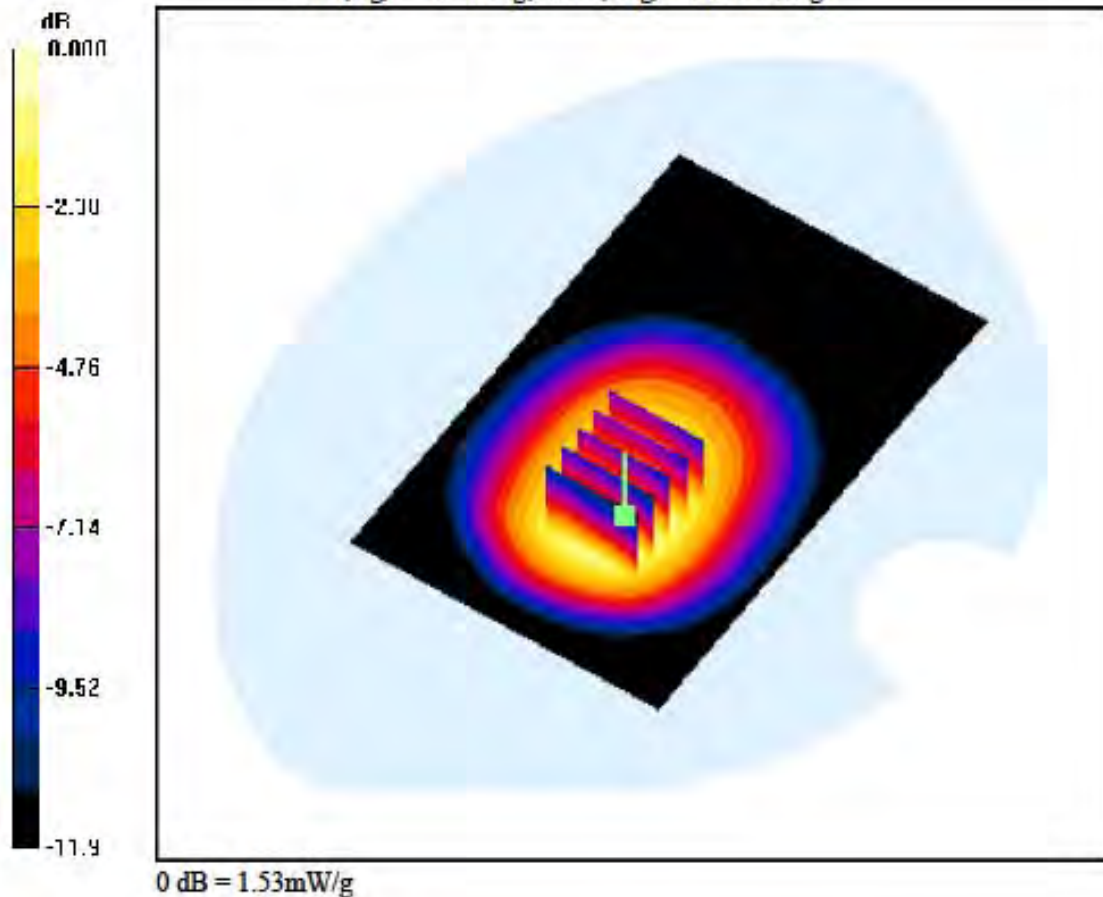
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 1.83 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.910 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

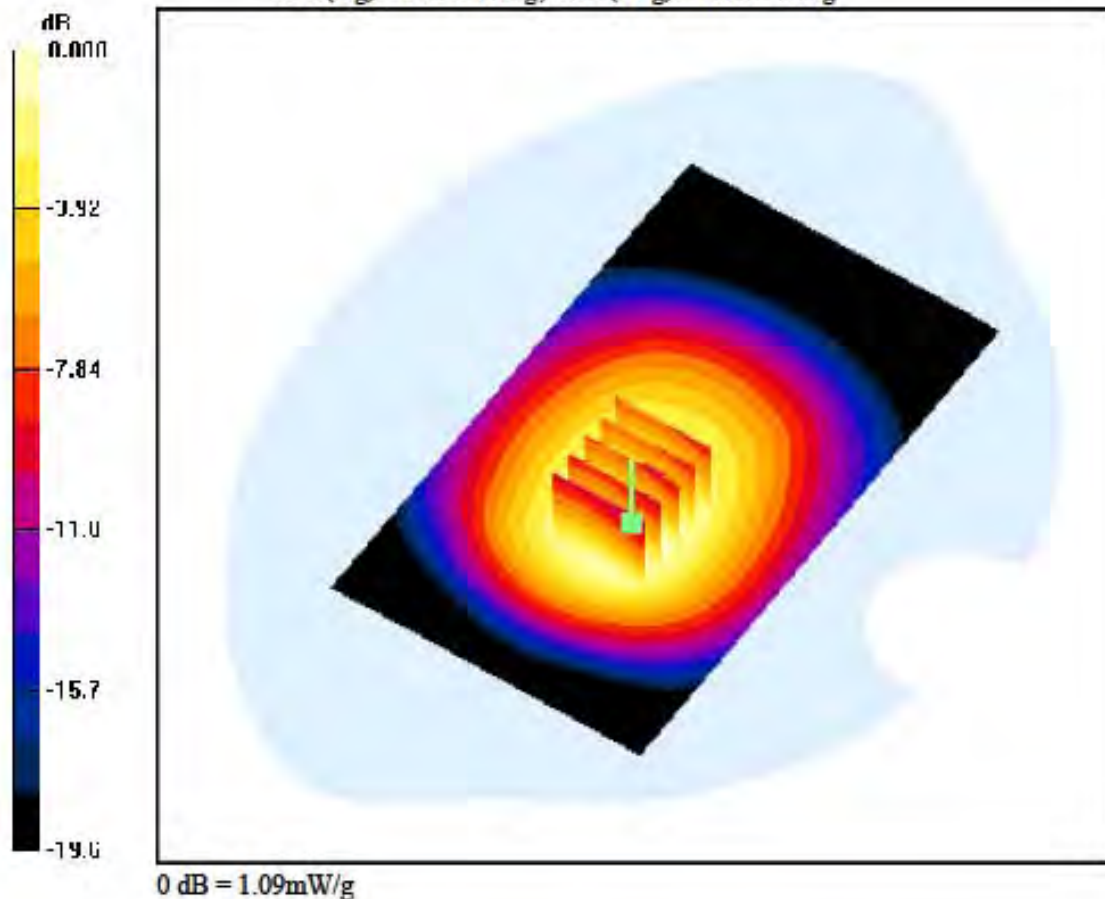
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**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 = -0.134 dB  
 Peak SAR (extrapolated) = 1.29 W/kg  
 SAR(1 g) = 0.938 W/kg; SAR(10 g) = 0.626 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

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

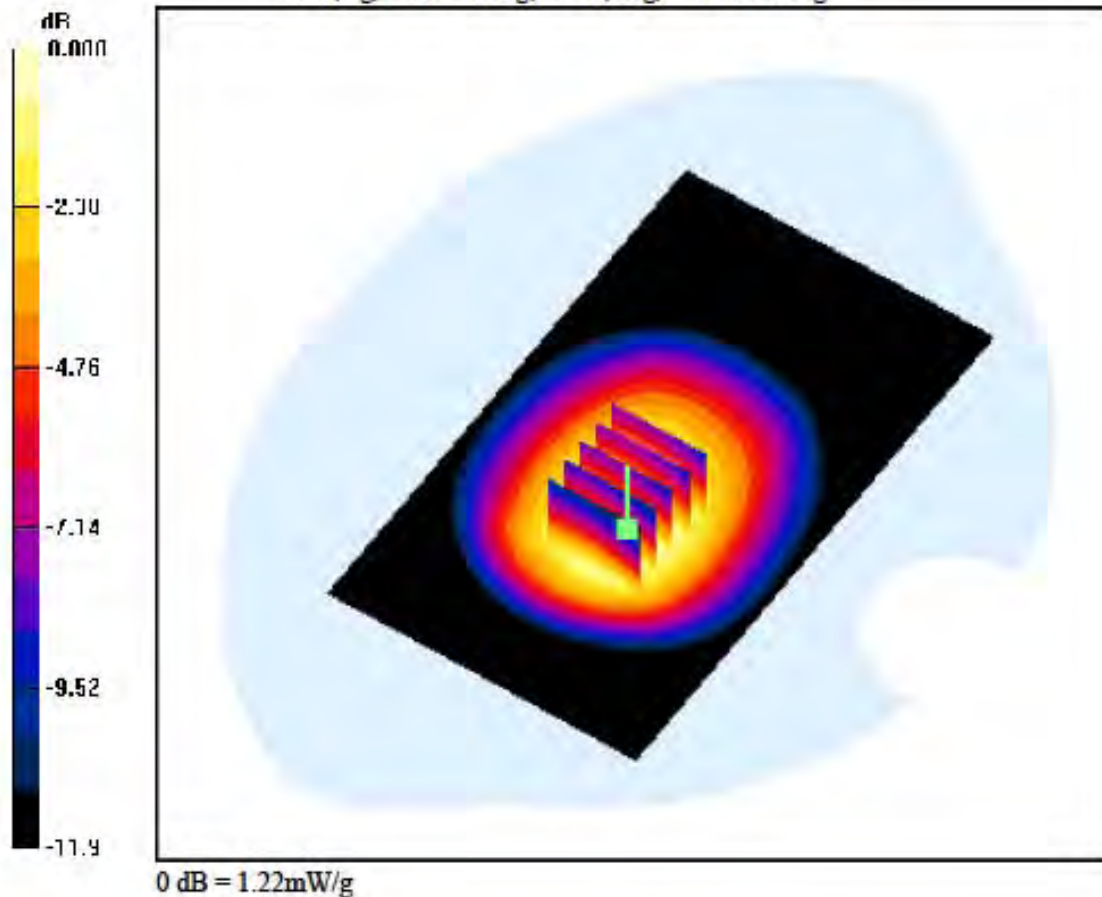
**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.150 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.744 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.995 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

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

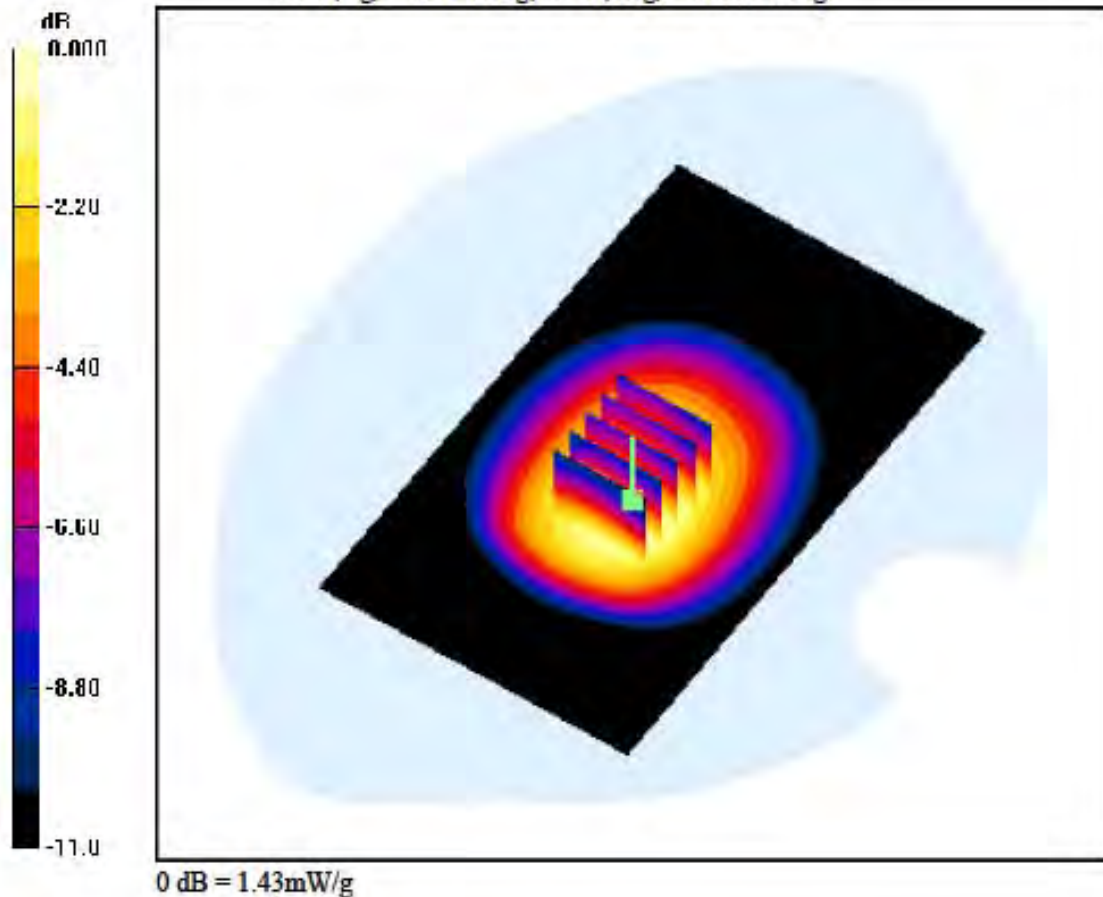
**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.137 dB

Peak SAR (extrapolated) = 1.70 W/kg

SAR(1 g) = 1.23 W/kg; SAR(10 g) = 0.868 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.95$  mho/m;  $\epsilon_r = 54.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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

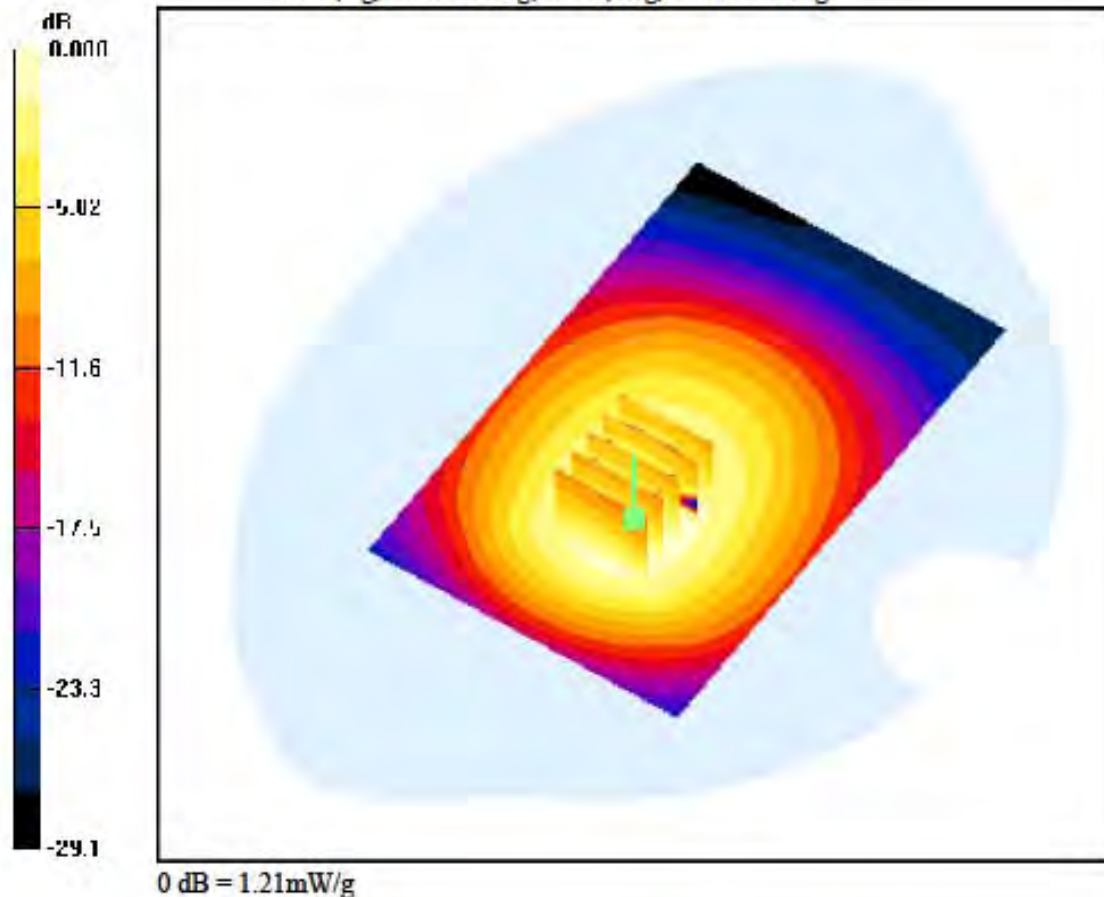
Test Date: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 12 Ch. 128, 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 = 0.008 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.728 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 12 Ch. 190, Ant Internal**

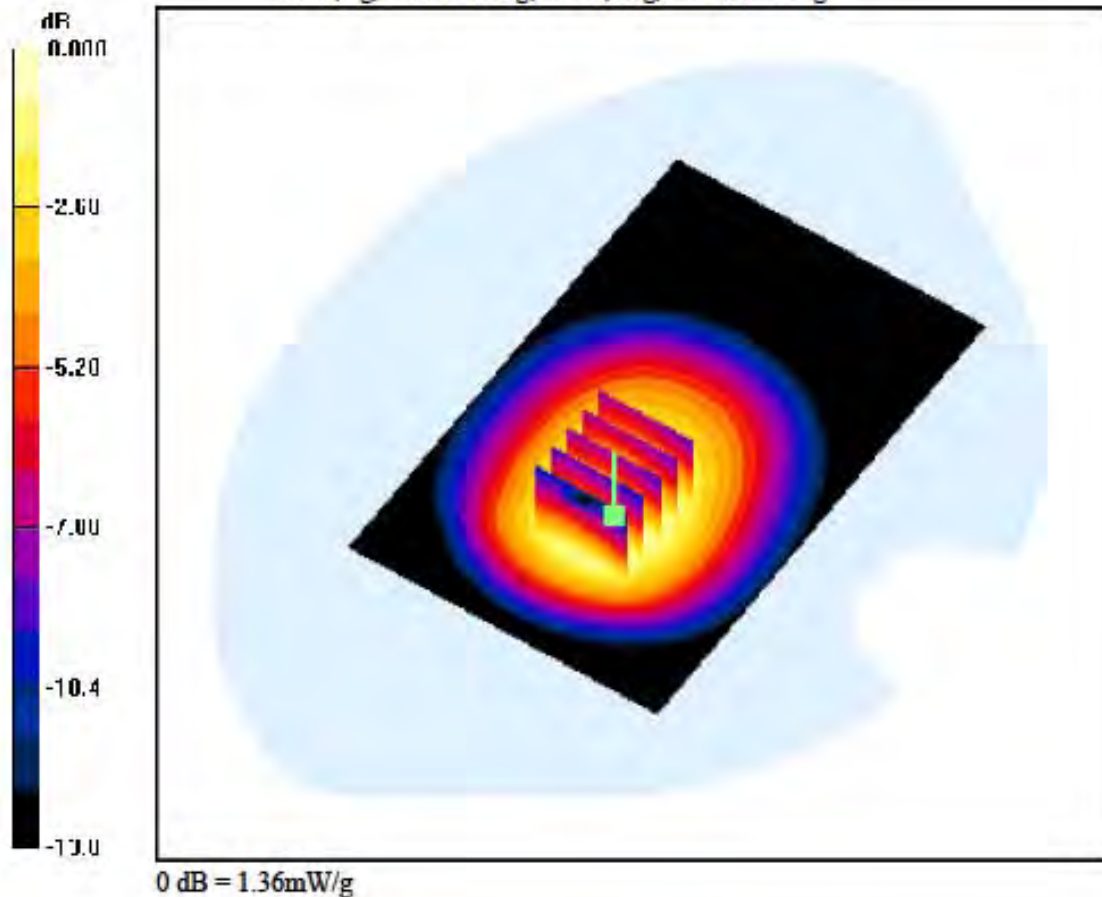
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.039 dB

Peak SAR (extrapolated) = 1.60 W/kg

SAR(1 g) = 1.16 W/kg; SAR(10 g) = 0.818 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.995 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 12 Ch. 251, Ant Internal**

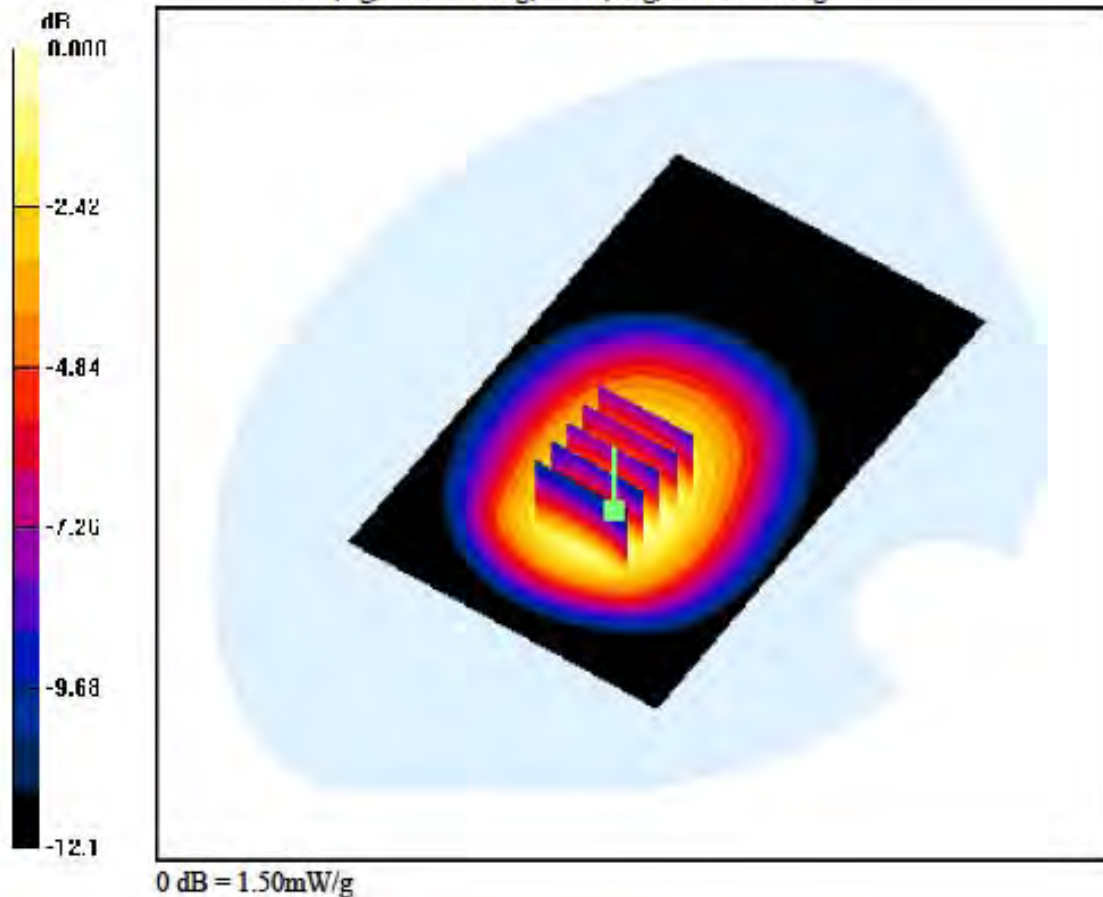
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.126 dB

Peak SAR (extrapolated) = 1.77 W/kg

SAR(1 g) = 1.27 W/kg; SAR(10 g) = 0.894 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Right, GSM850 GPRS Class 10 Ch. 190, Ant Internal**

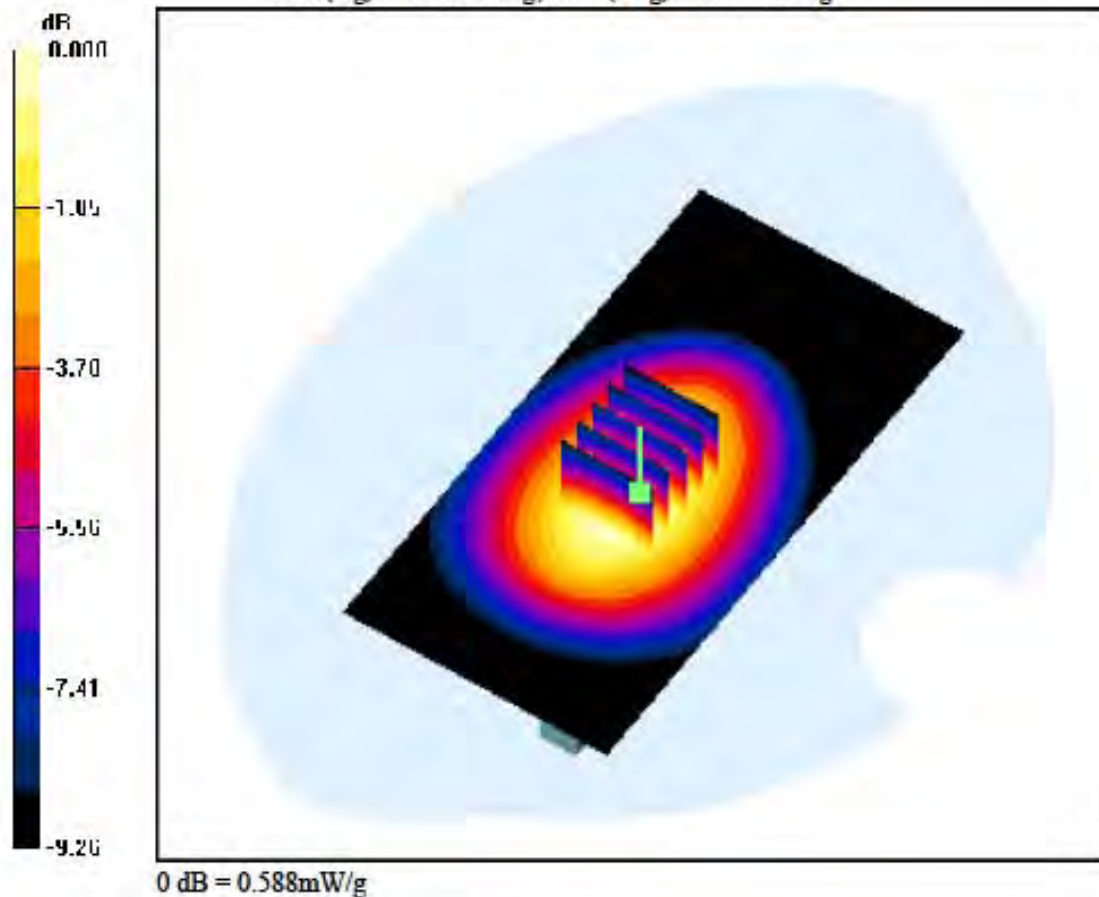
**Area Scan (61x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.178 dB

Peak SAR (extrapolated) = 0.695 W/kg

SAR(1 g) = 0.501 W/kg; SAR(10 g) = 0.351 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.976 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Left, GSM850 GPRS Class 10 Ch. 190, Ant Internal**

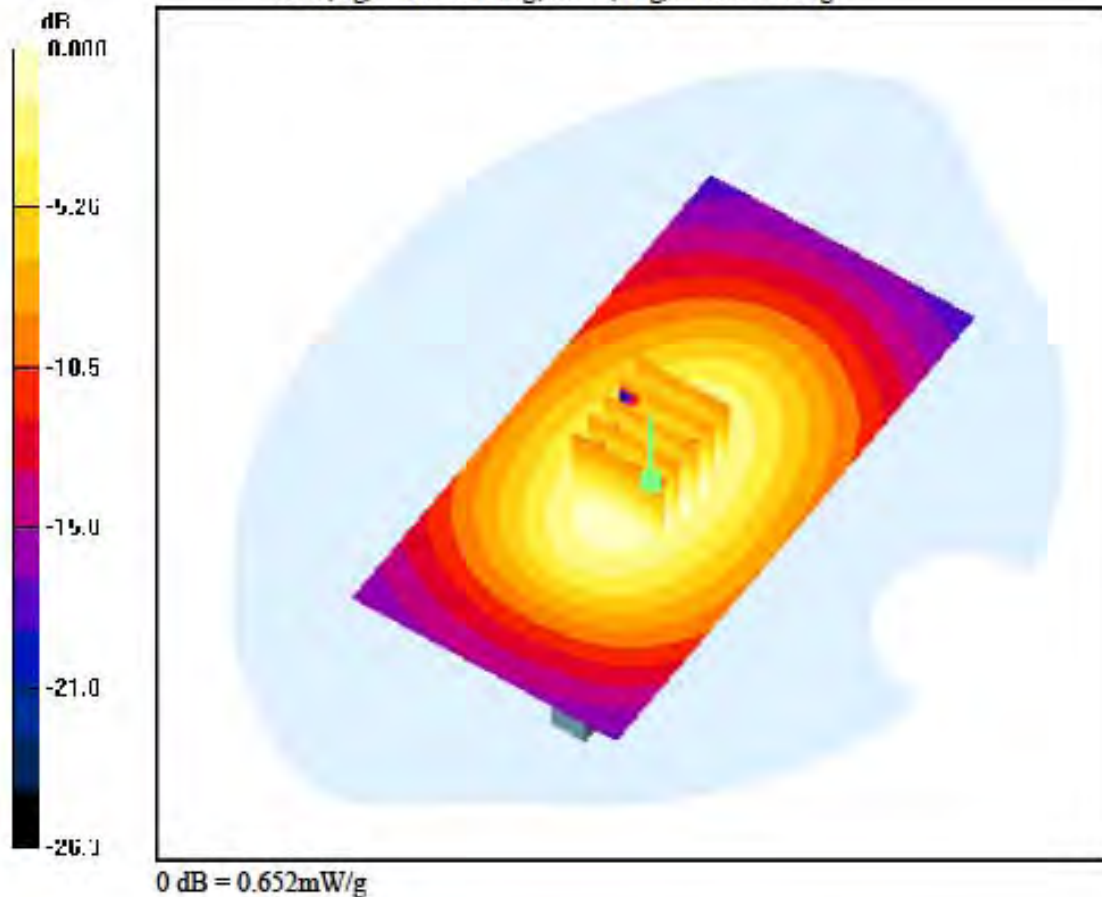
**Area Scan (61x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.112 dB

Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.382 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 52.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

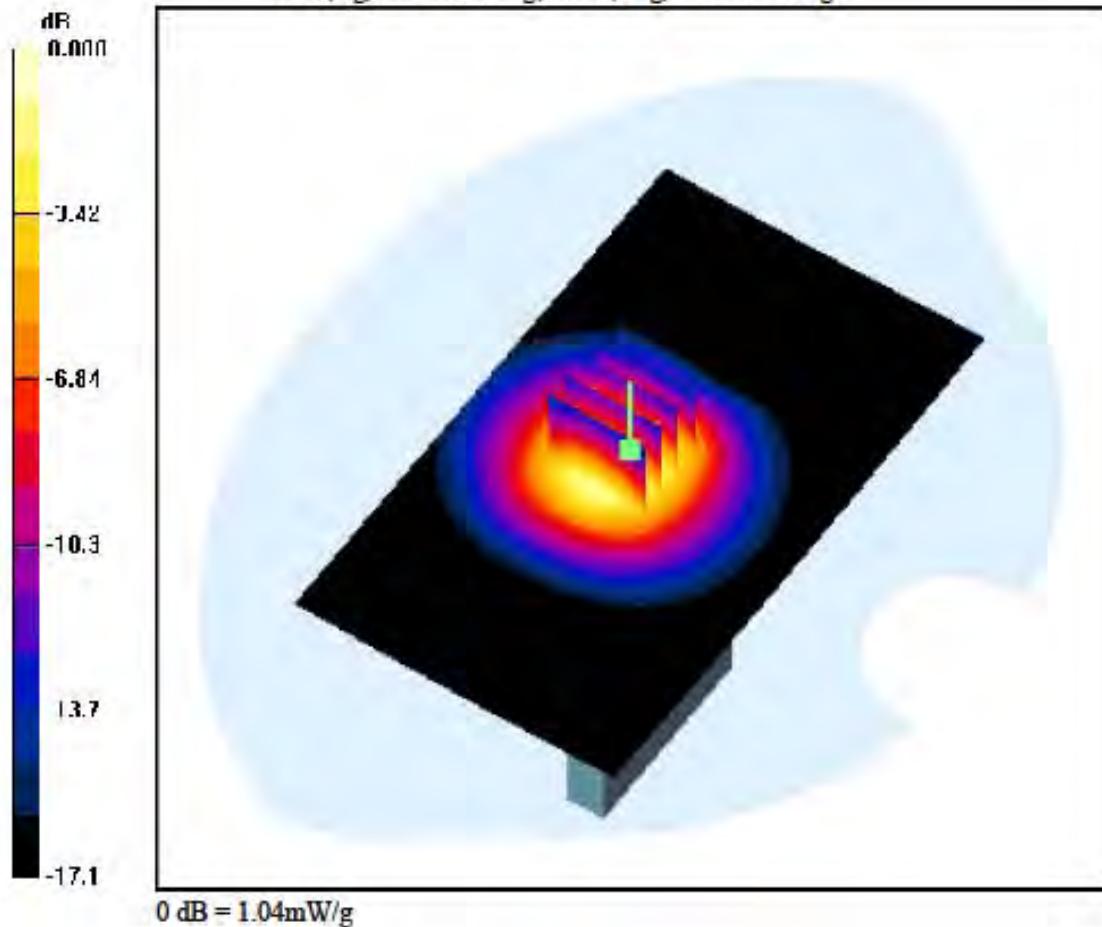
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Bottom, 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 = 0.067 dB  
 Peak SAR (extrapolated) = 1.37 W/kg  
 SAR(1 g) = 0.841 W/kg; SAR(10 g) = 0.476 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

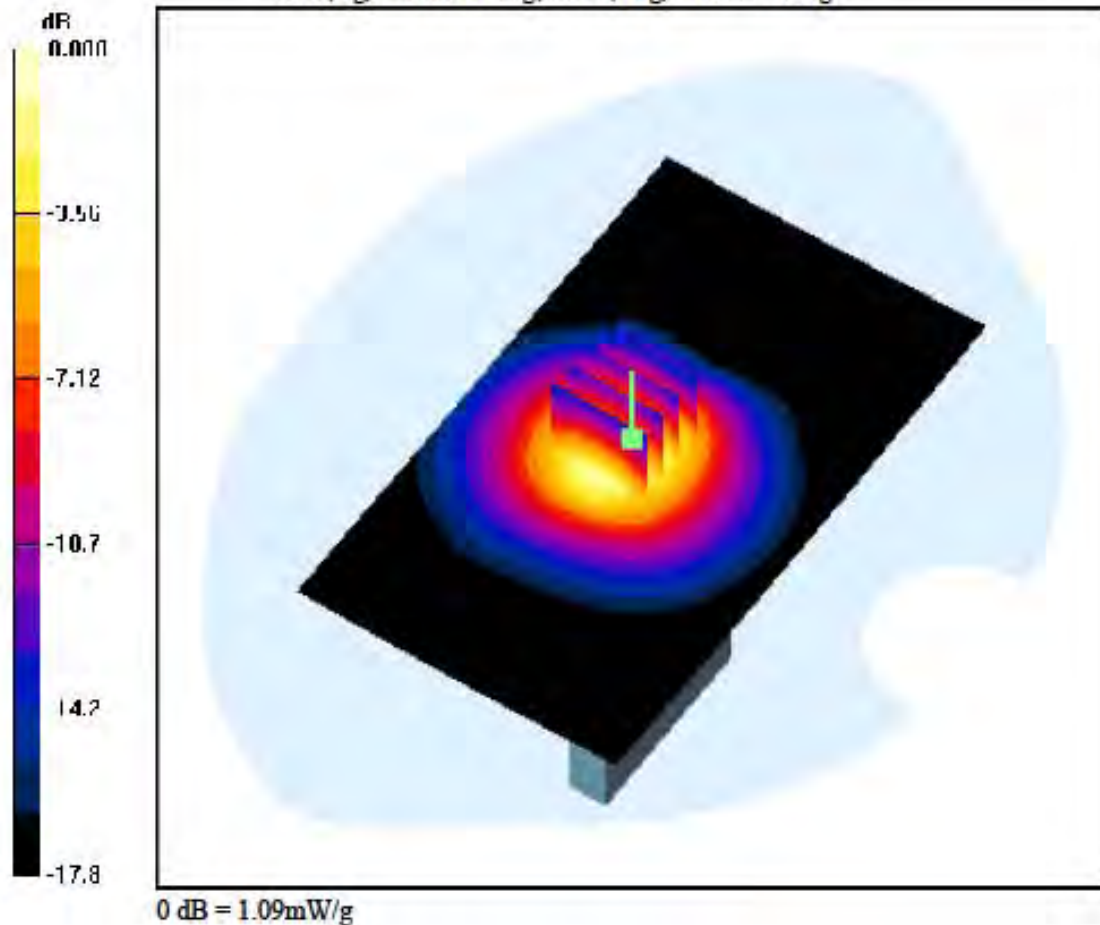
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**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 = -0.077 dB  
 Peak SAR (extrapolated) = 3.42 W/kg  
 SAR(1 g) = 0.863 W/kg; SAR(10 g) = 0.477 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

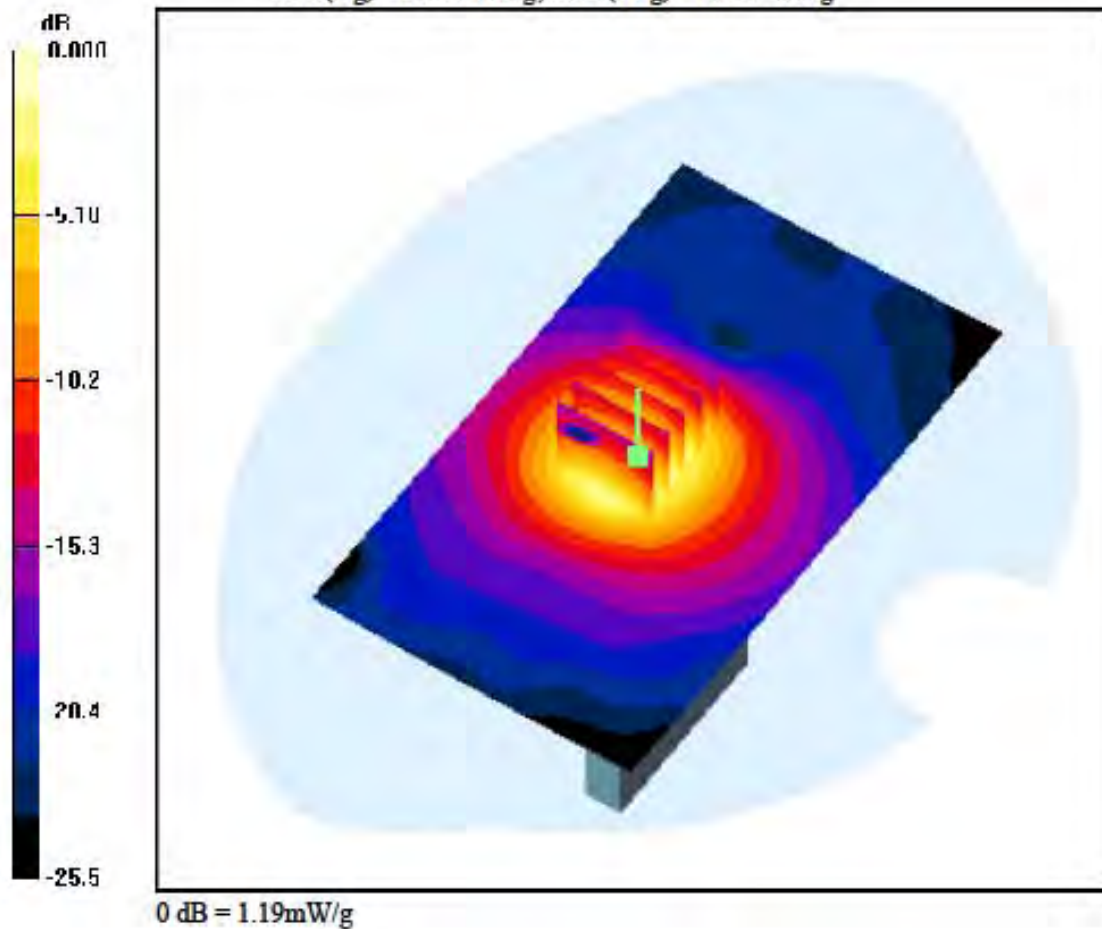
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Bottom, 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 = -0.050 dB  
 Peak SAR (extrapolated) = 1.55 W/kg  
 SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.527 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

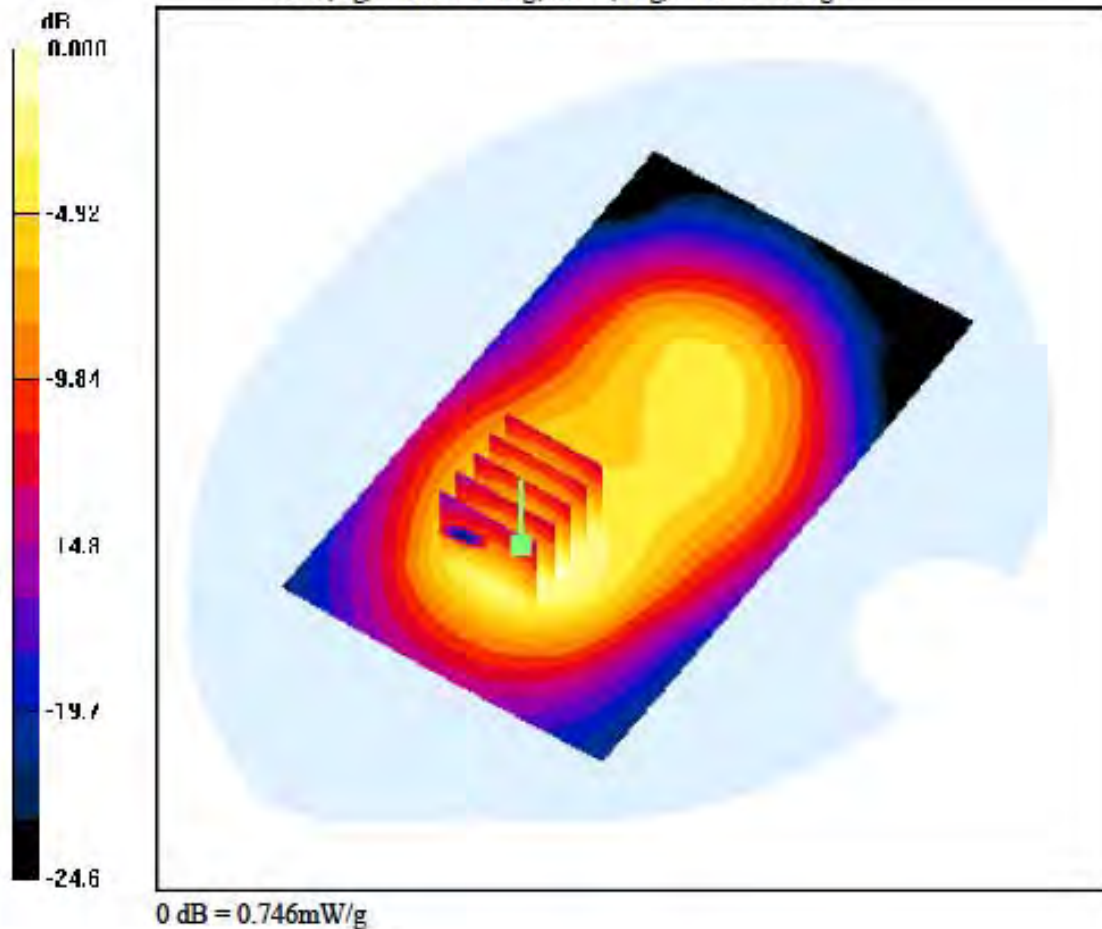
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Front, PCS1900 GPRS Class 11 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 = 0.029 dB  
Peak SAR (extrapolated) = 0.963 W/kg  
SAR(1 g) = 0.595 W/kg; SAR(10 g) = 0.357 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

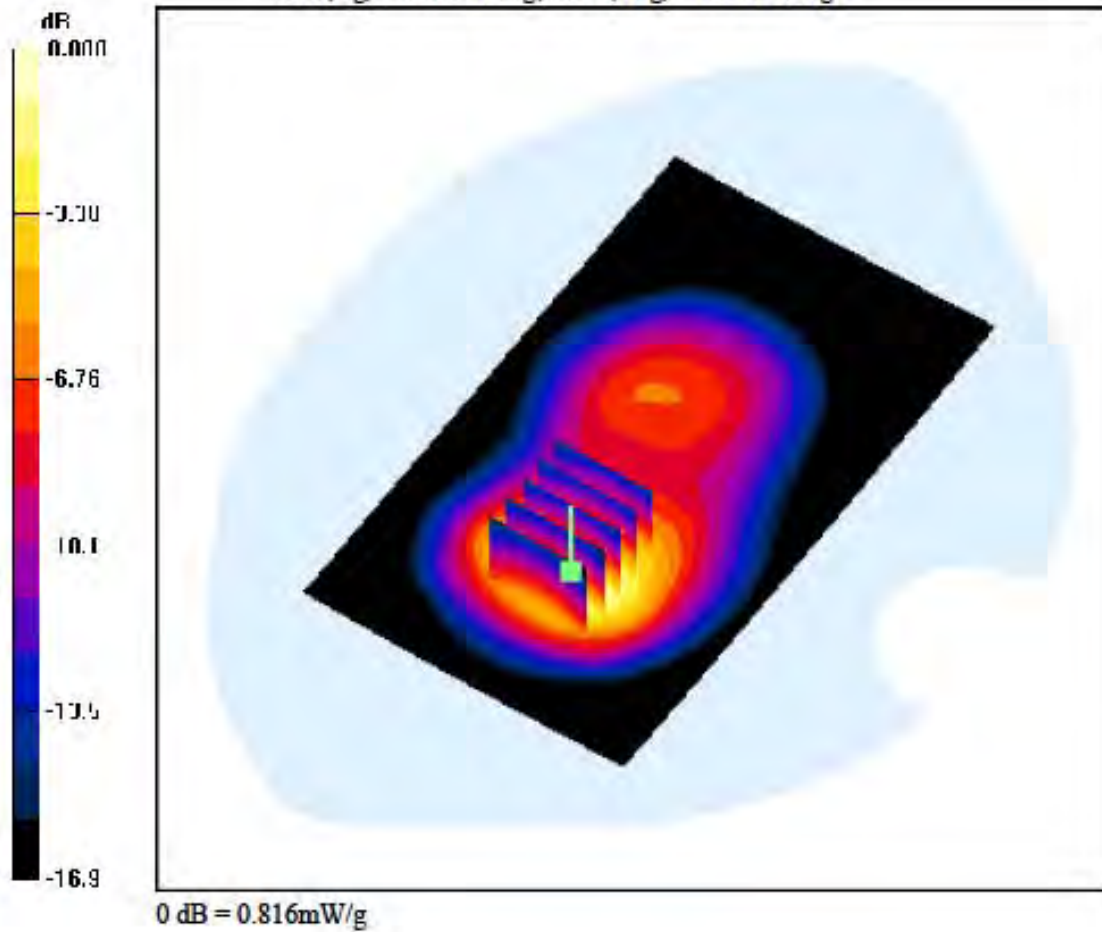
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**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 = 0.020 dB  
 Peak SAR (extrapolated) = 1.08 W/kg  
 SAR(1 g) = 0.625 W/kg; SAR(10 g) = 0.347 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

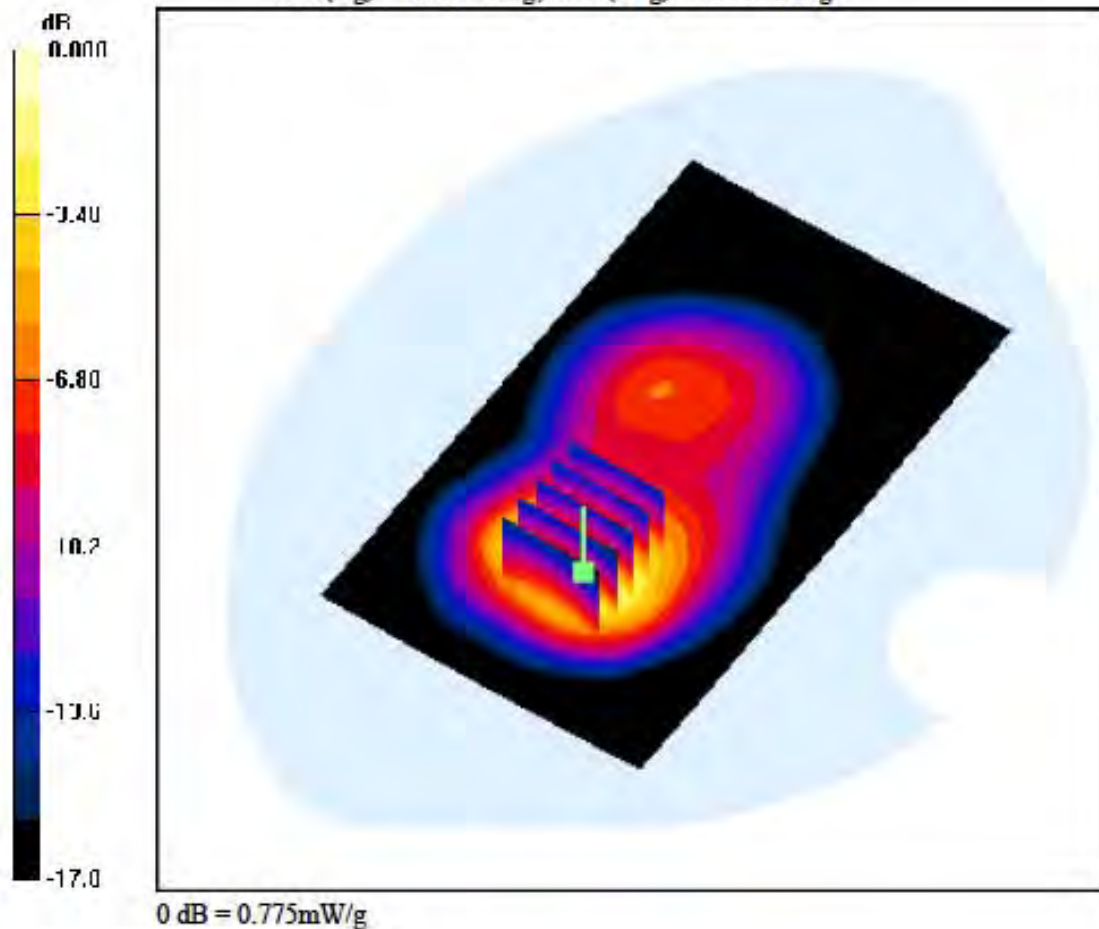
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**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 = 0.196 dB  
 Peak SAR (extrapolated) = 1.02 W/kg  
 SAR(1 g) = 0.590 W/kg; SAR(10 g) = 0.329 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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

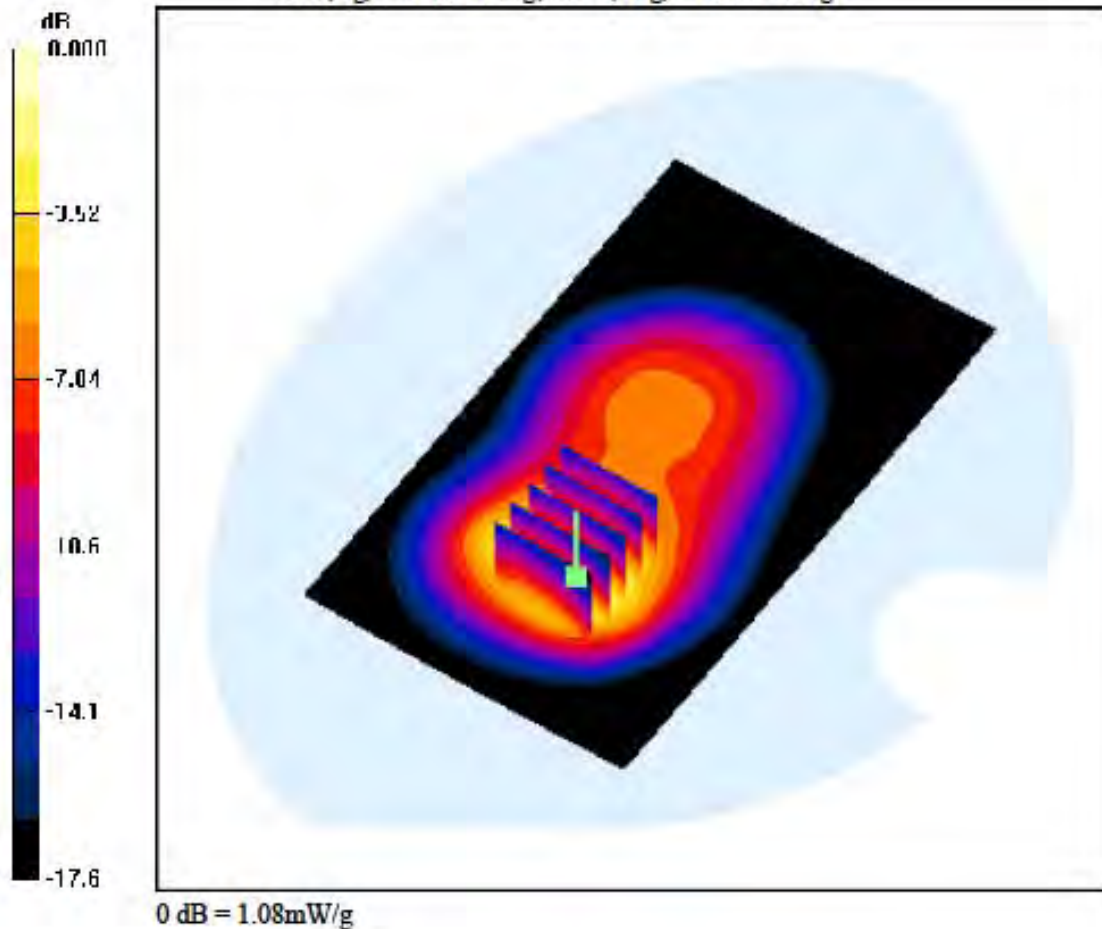
Test Date: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, PCS1900 GPRS Class 10 Ch. 512, 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 = 0.124 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.462 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

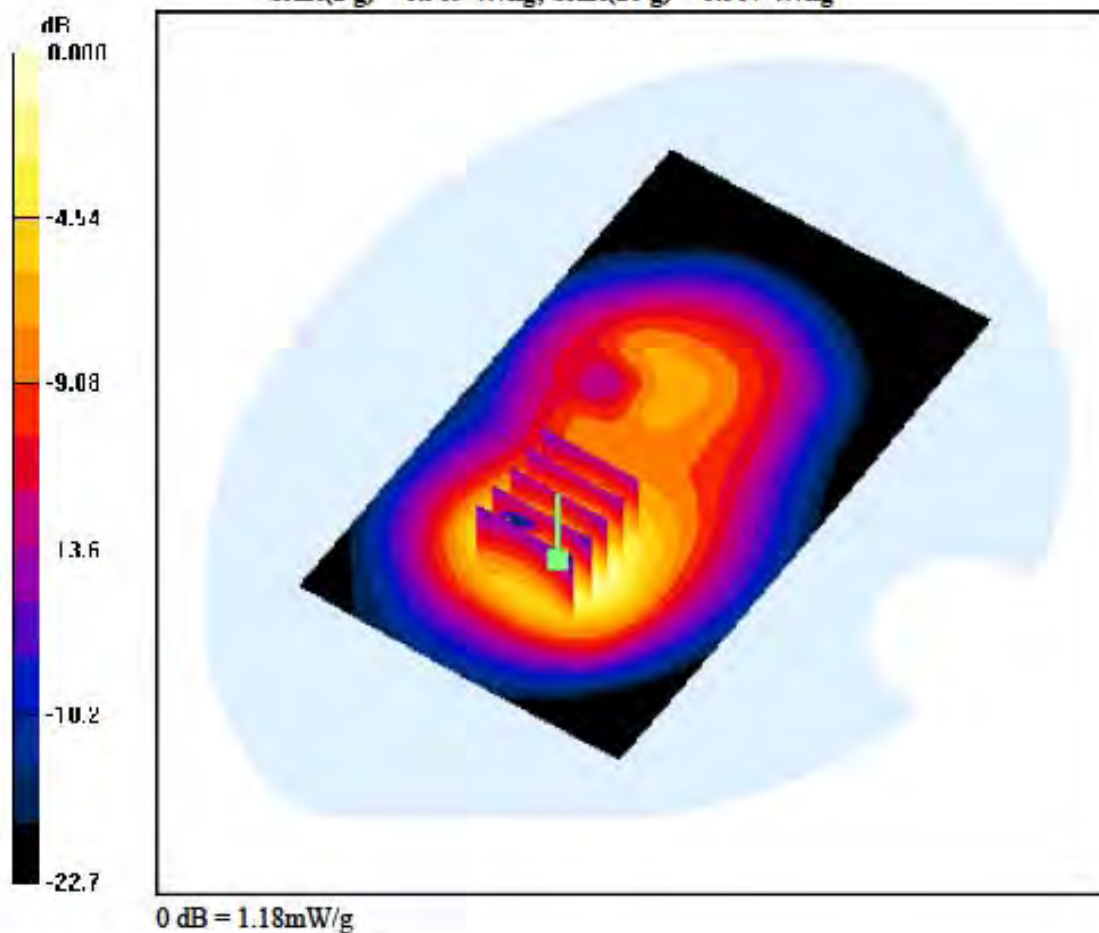
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, PCS1900 GPRS Class 10 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 = 0.134 dB  
Peak SAR (extrapolated) = 1.55 W/kg  
SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.507 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, PCS1900 GPRS Class 10 Ch. 810, Ant Internal**

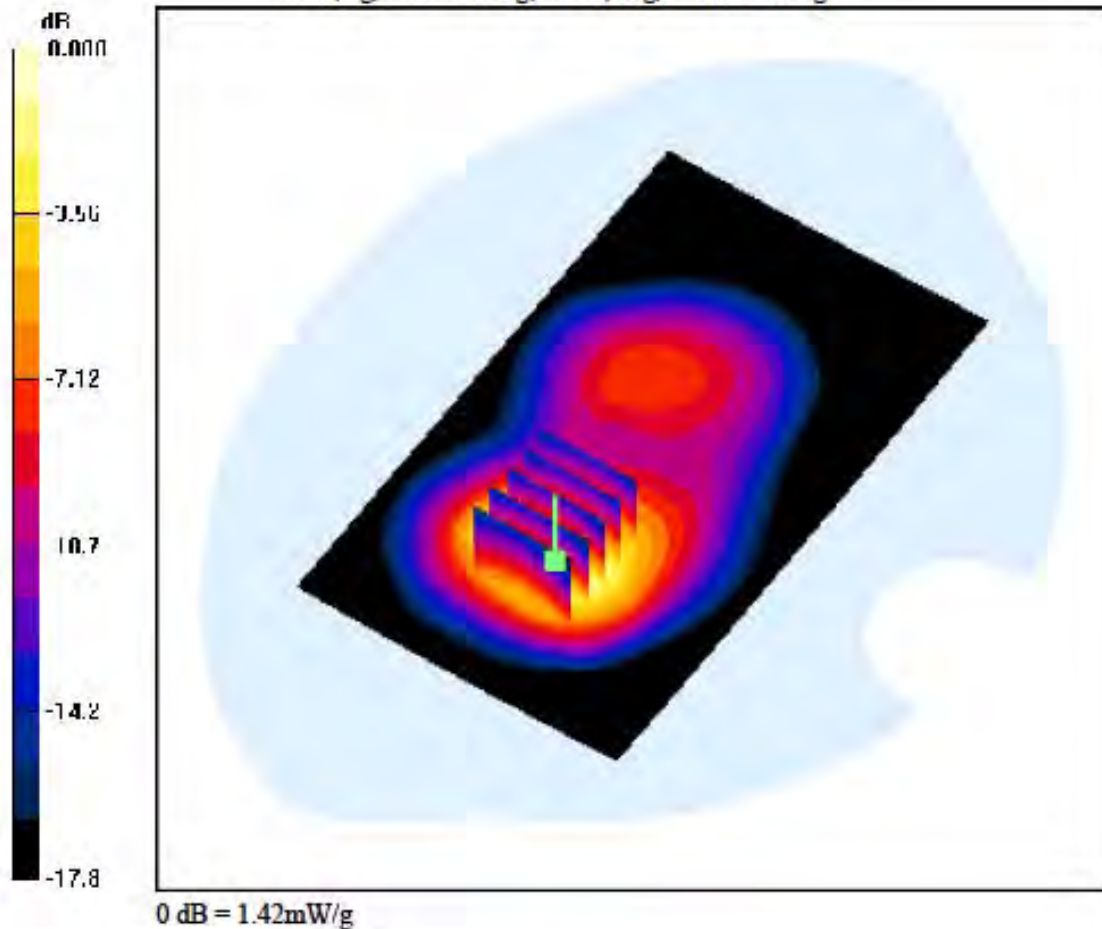
**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.082 dB

Peak SAR (extrapolated) = 1.87 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.595 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.49$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

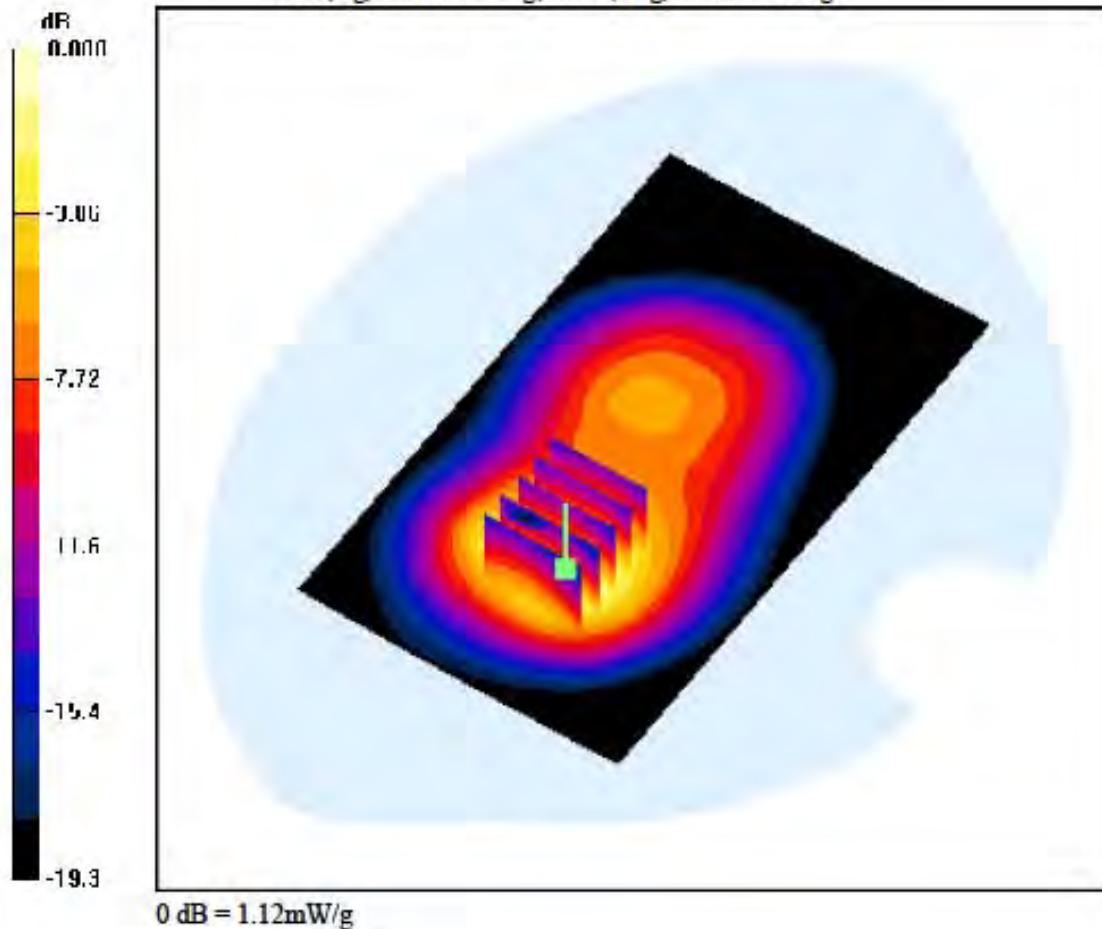
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.49 W/kg

SAR(1 g) = 0.870 W/kg; SAR(10 g) = 0.491 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

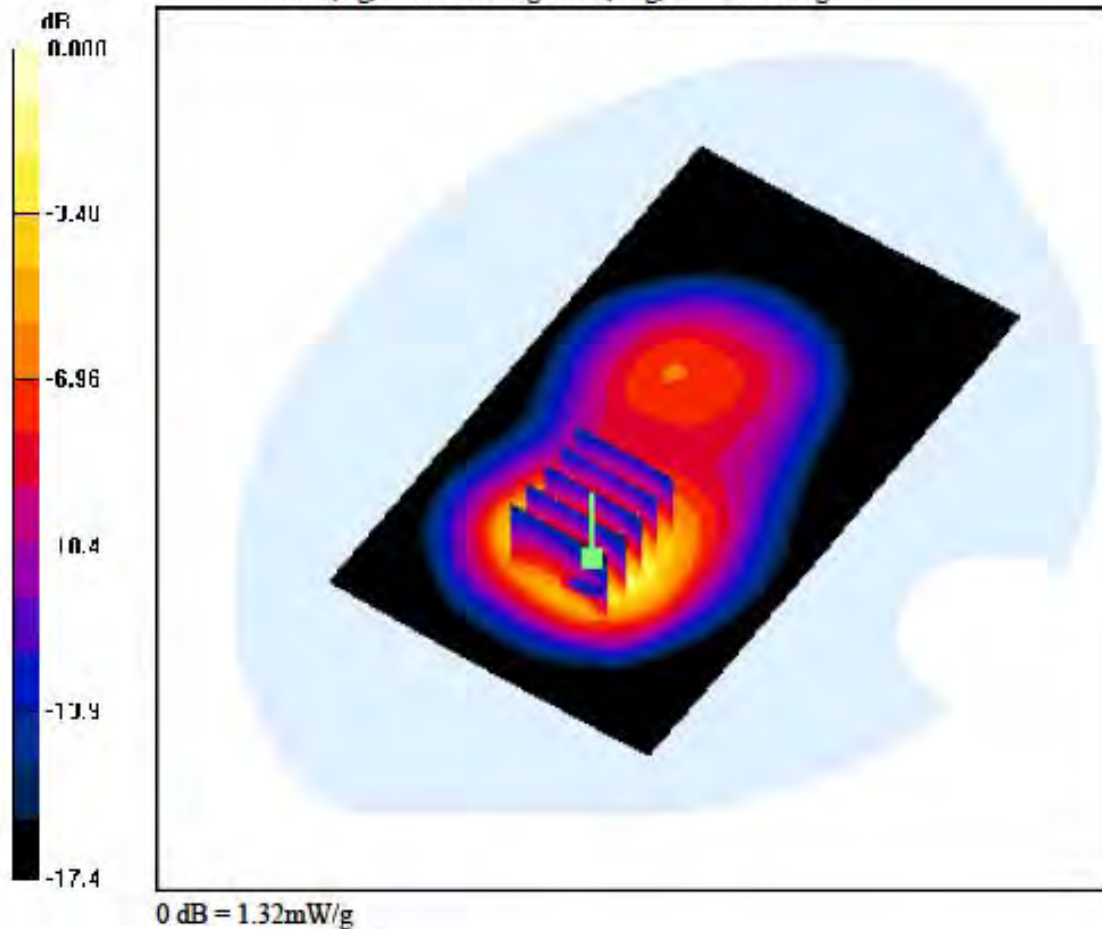
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.116 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.998 W/kg SAR(10 g) = 0.556 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

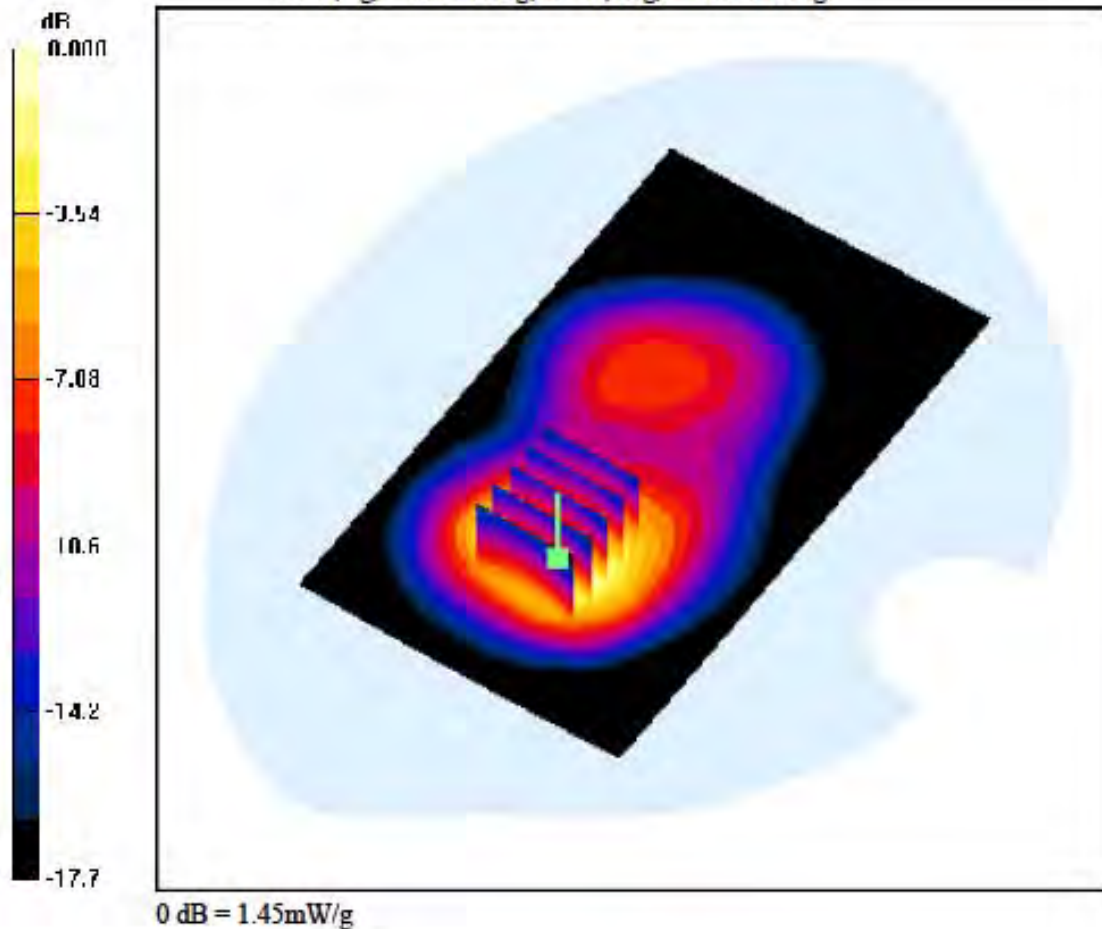
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.083 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.624 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.49 \text{ mho/m}$ ;  $\epsilon_r = 52.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, PCS1900 GPRS Class 12 Ch. 512, Ant Internal**

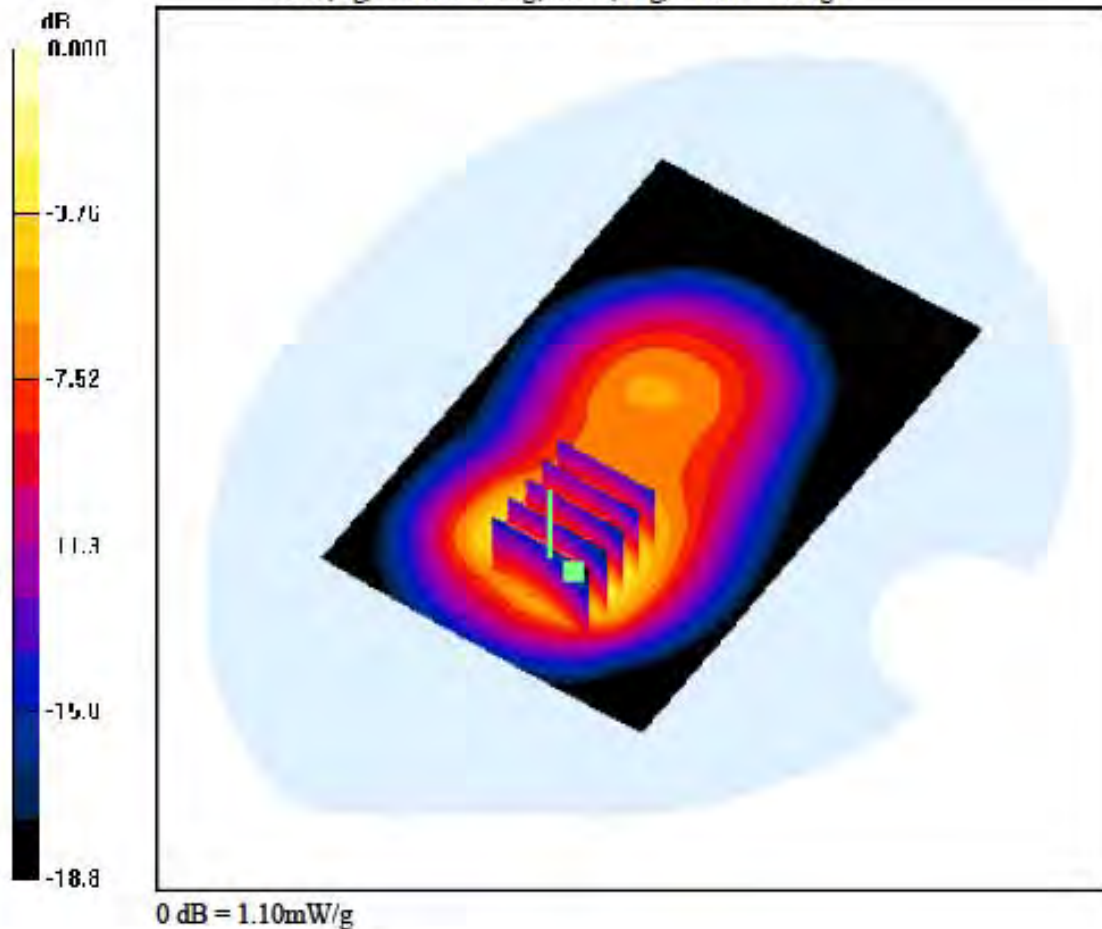
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.018 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.855 W/kg; SAR(10 g) = 0.480 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

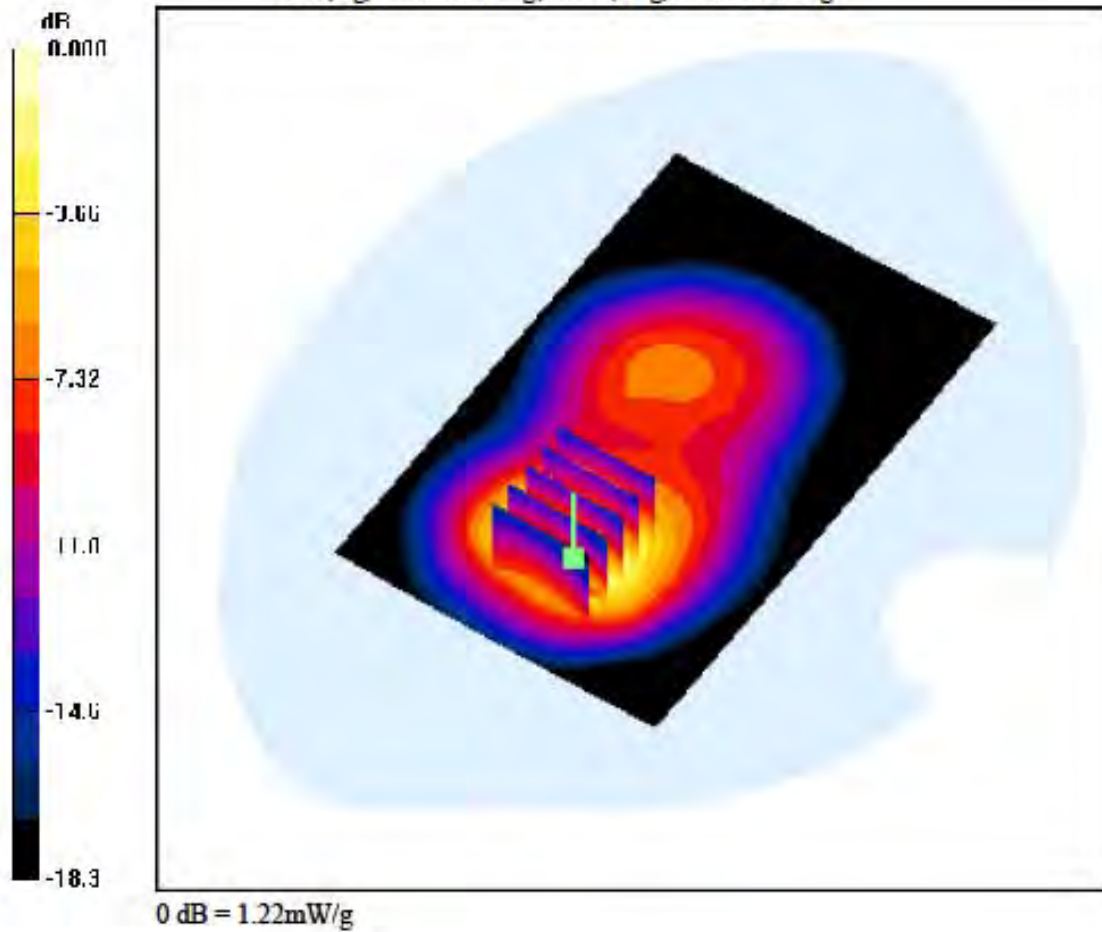
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.124 dB

Peak SAR (extrapolated) = 1.64 W/kg

SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.515 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.56 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Rear, PCS1900 GPRS Class 12 Ch. 810, Ant Internal**

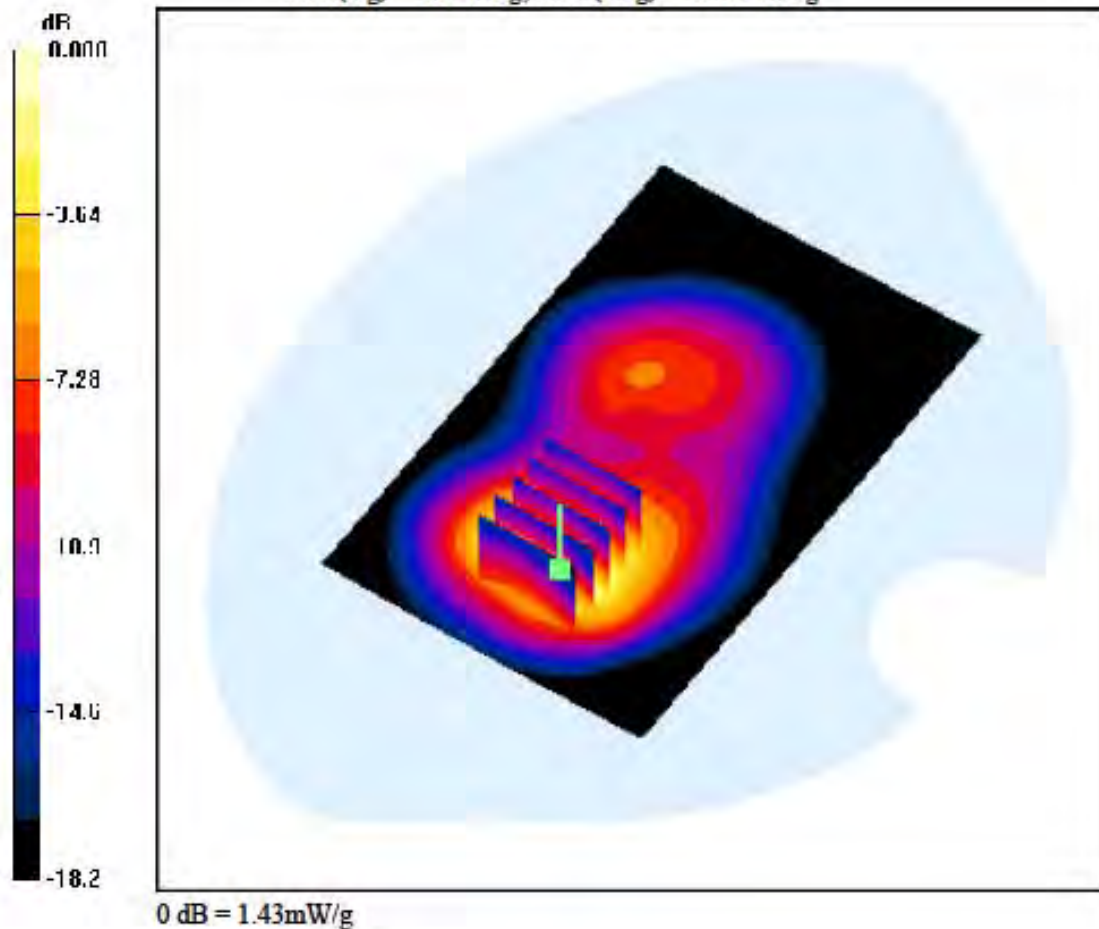
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.073 dB

Peak SAR (extrapolated) = 1.92 W/kg

SAR(1 g) = 1.1 W/kg; SAR(10 g) = 0.615 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

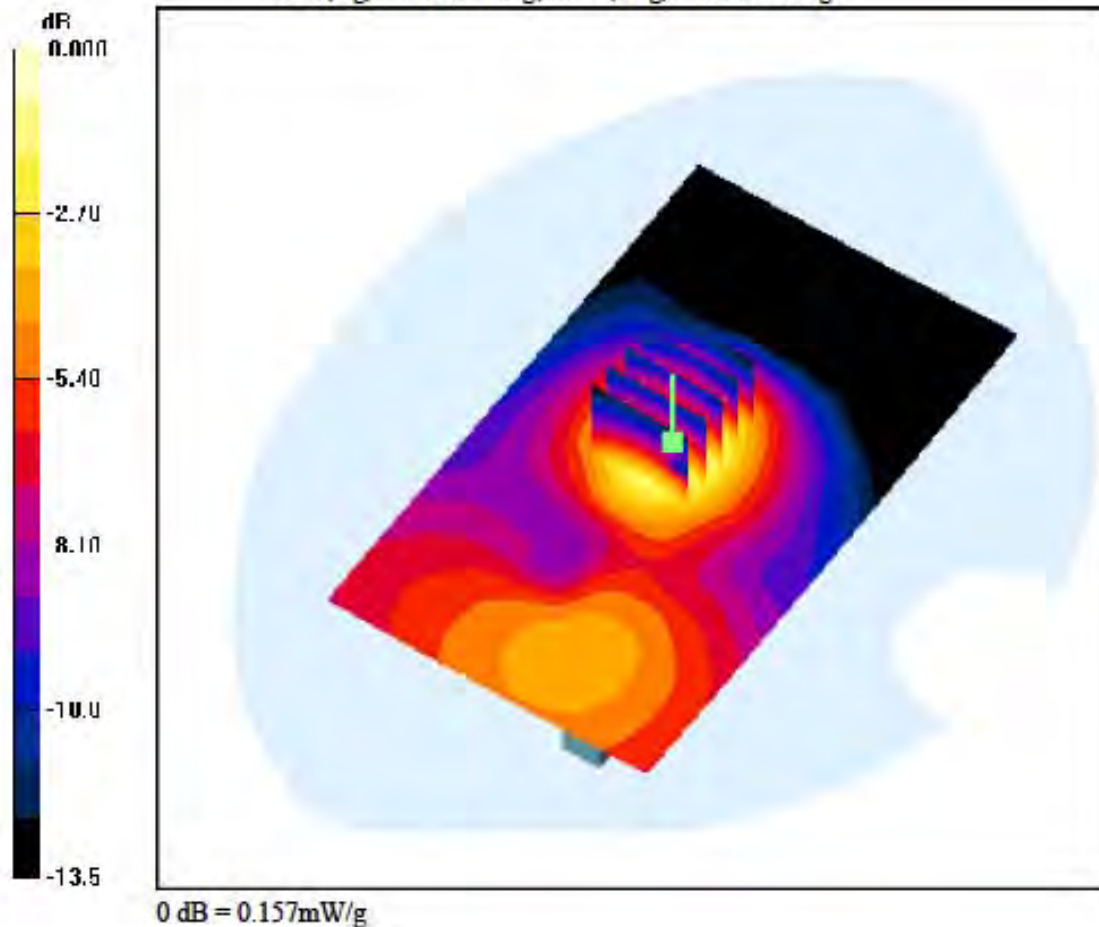
**Area Scan (71x121x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

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

Power Drift = 0.026 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.077 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.53 \text{ mho/m}$ ;  $\epsilon_r = 52.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

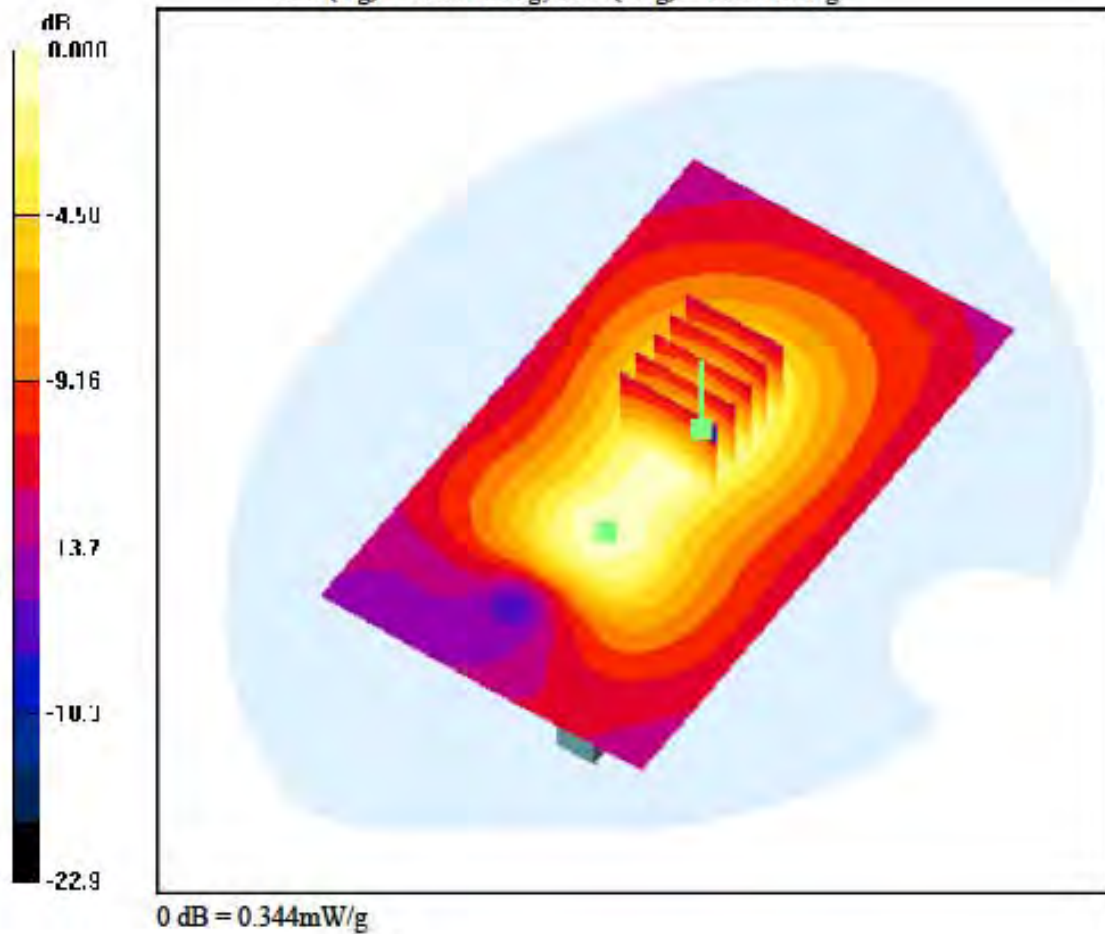
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**1 cm space from Body, Left, PCS1900 GPRS Class II 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 = -0.062 dB  
 Peak SAR (extrapolated) = 0.452 W/kg  
 SAR(1 g) = 0.288 W/kg; SAR(10 g) = 0.173 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.53$  mho/m;  $\epsilon_r = 52.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

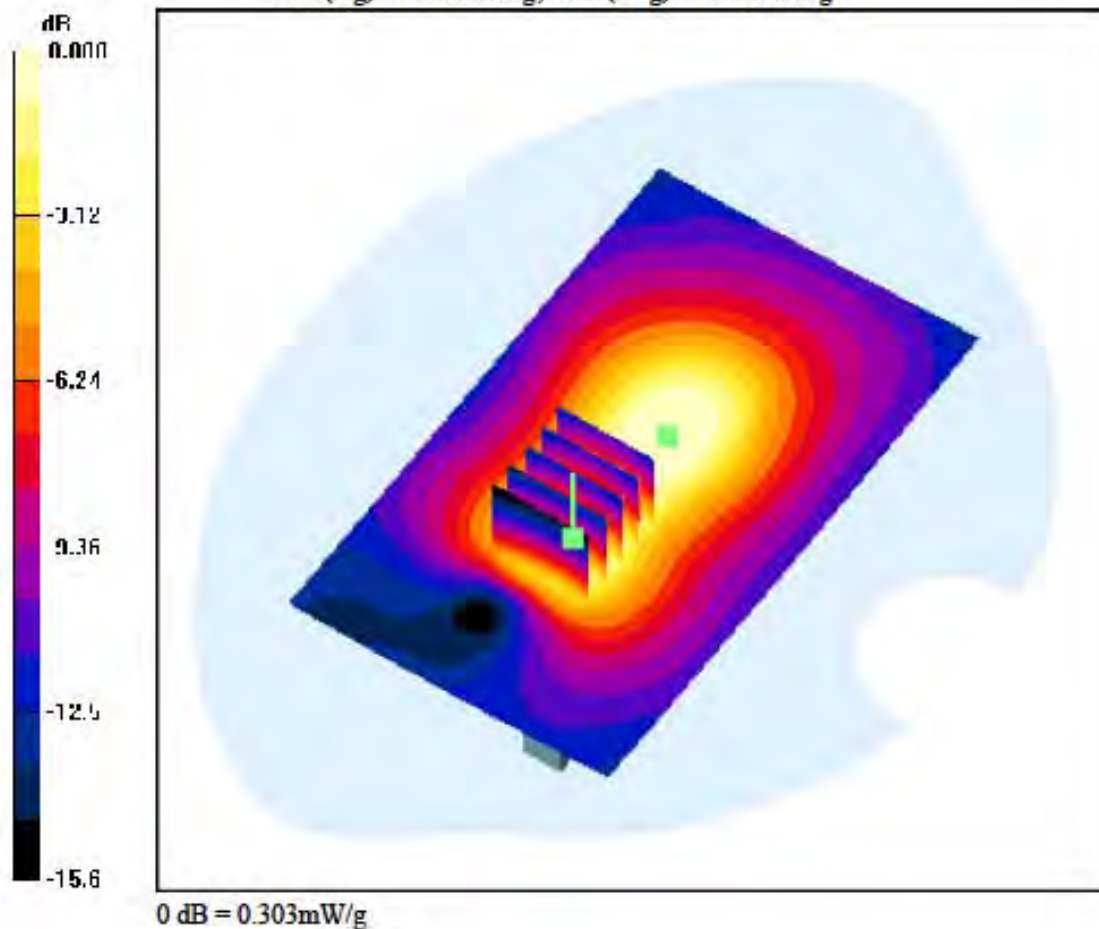
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

**Area Scan (71x121x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm  
**Zoom Scan (5x5x7)/Cube I:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm  
 Power Drift = -0.062 dB  
 Peak SAR (extrapolated) = 0.431 W/kg  
 SAR(1 g) = 0.242 W/kg; SAR(10 g) = 0.143 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

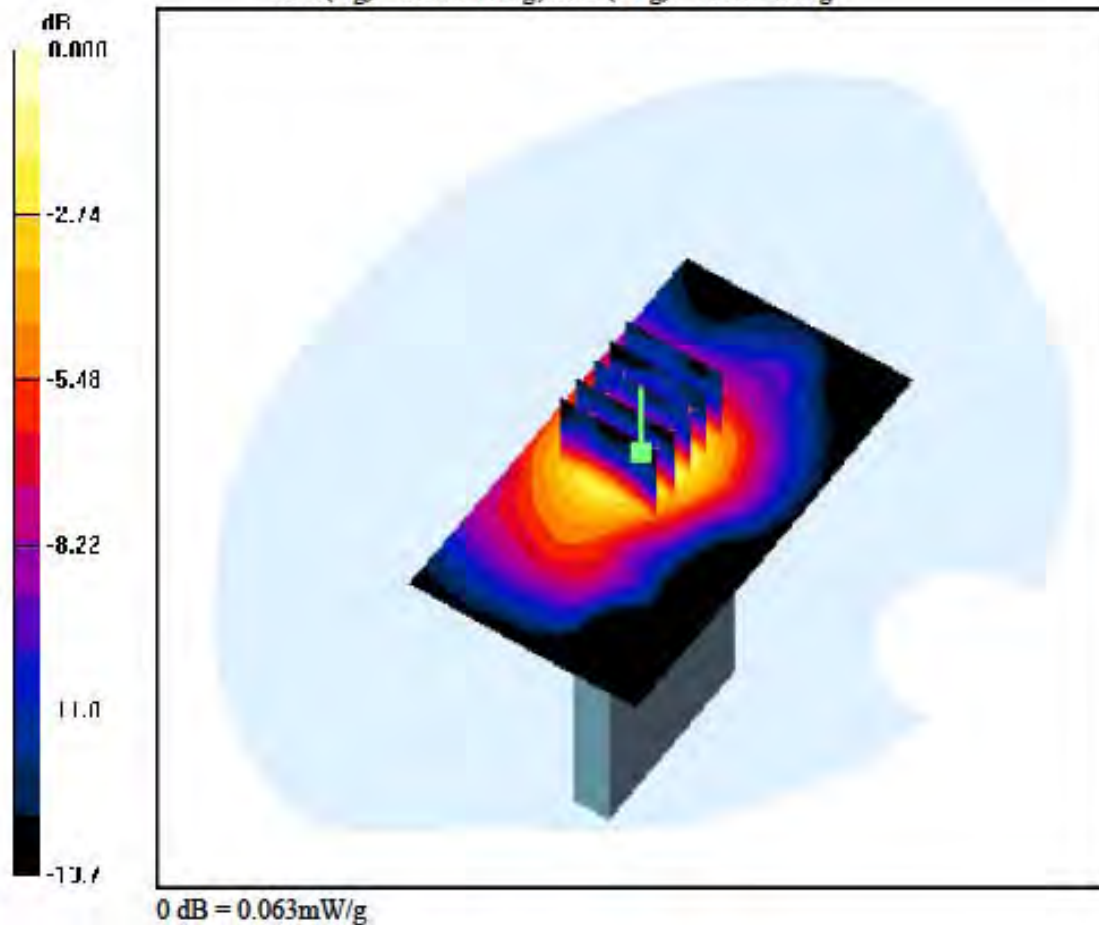
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

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

**Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Power Drift = 0.123 dB  
 Peak SAR (extrapolated) = 0.091 W/kg  
 SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.026 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

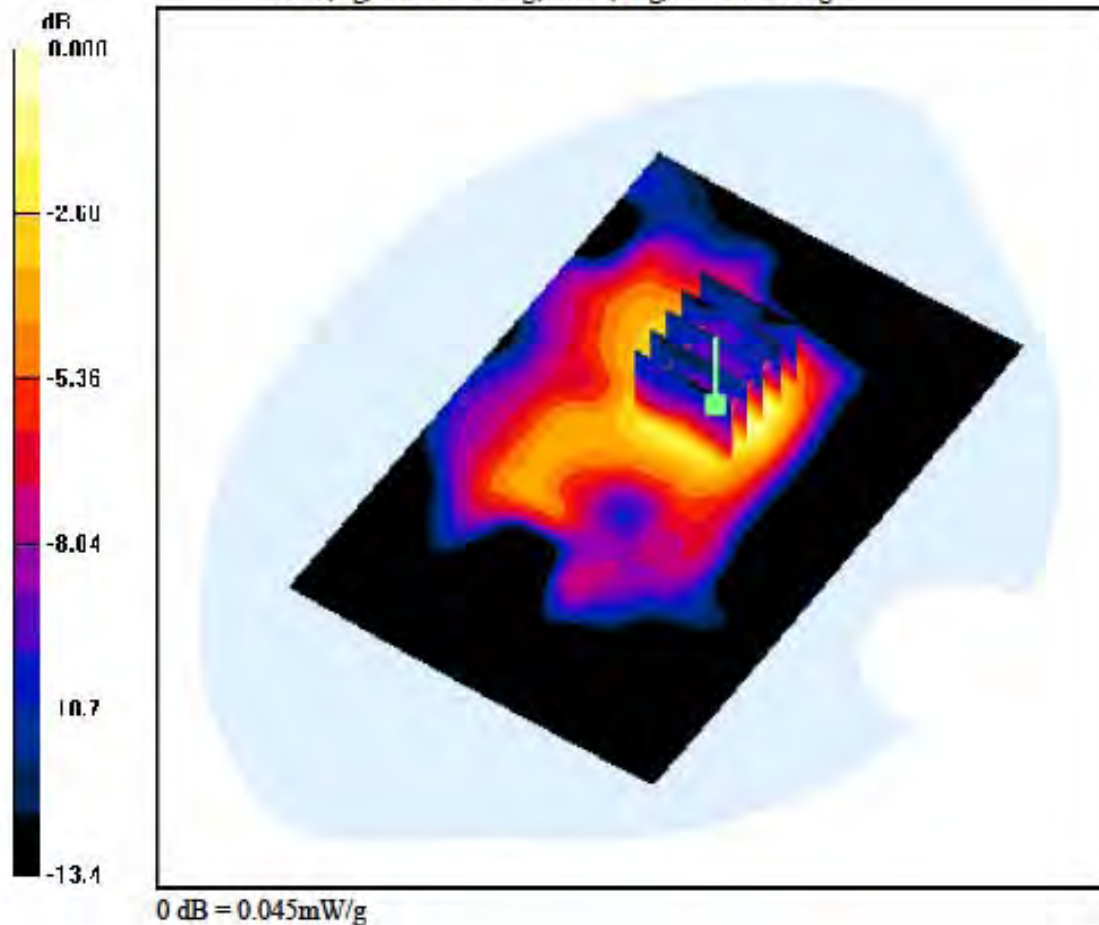
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**1 cm space from Body, Front, W-LAN(802.11b) Ch. 6, 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 = -0.034 dB  
 Peak SAR (extrapolated) = 0.067 W/kg  
 SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.020 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.89$  mho/m;  $\epsilon_r = 51.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

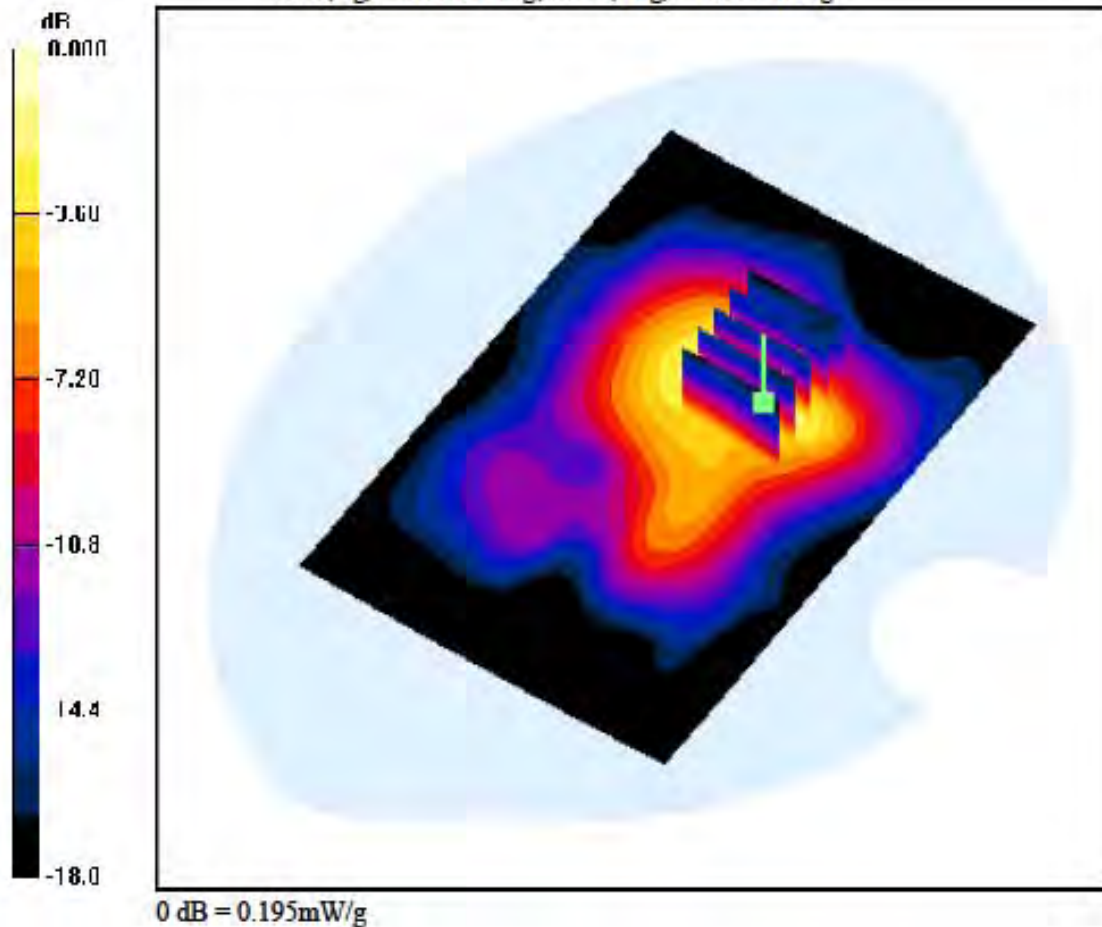
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; 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 = 0.142 dB  
Peak SAR (extrapolated) = 0.278 W/kg  
SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.066 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

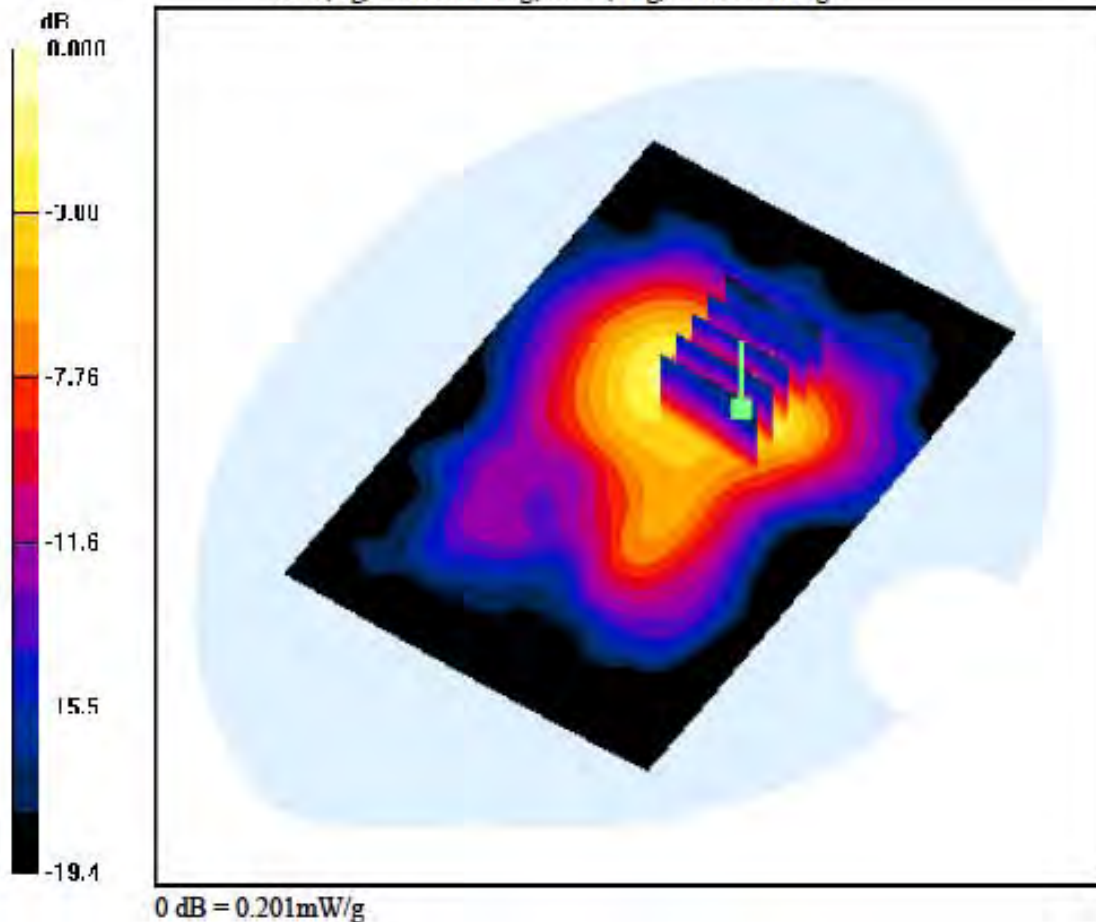
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, 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 = 0.147 dB  
 Peak SAR (extrapolated) = 0.291 W/kg  
 SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.066 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 52.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

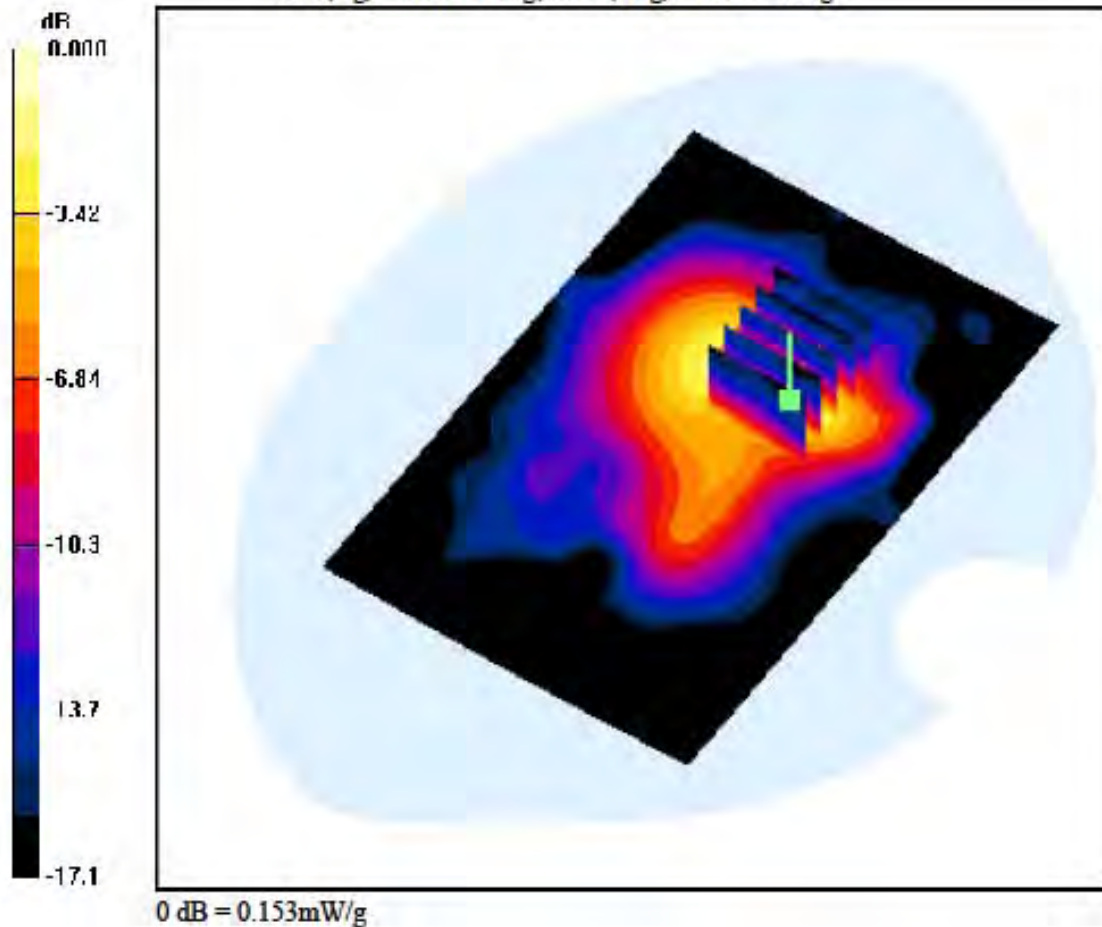
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, 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) = 0.218 W/kg  
 SAR(1 g) = 0.103 W/kg; SAR(10 g) = 0.050 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

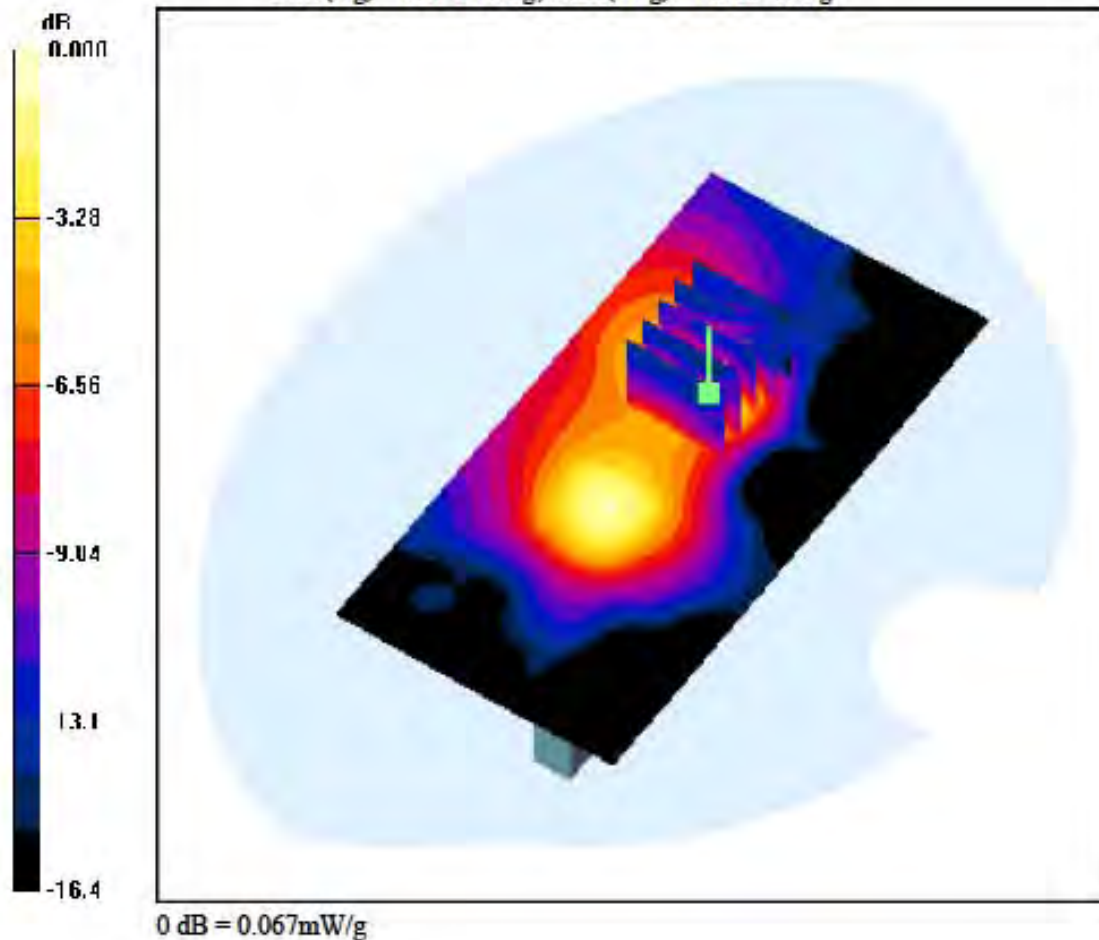
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**1 cm space from Body, Left, W-LAN(802.11b) Ch. 6, 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 = 0.199 dB  
 Peak SAR (extrapolated) = 0.103 W/kg  
 SAR(1 g) = 0.050 W/kg; SAR(10 g) = 0.023 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.921 \text{ mho/m}$ ;  $\epsilon_r = 42.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

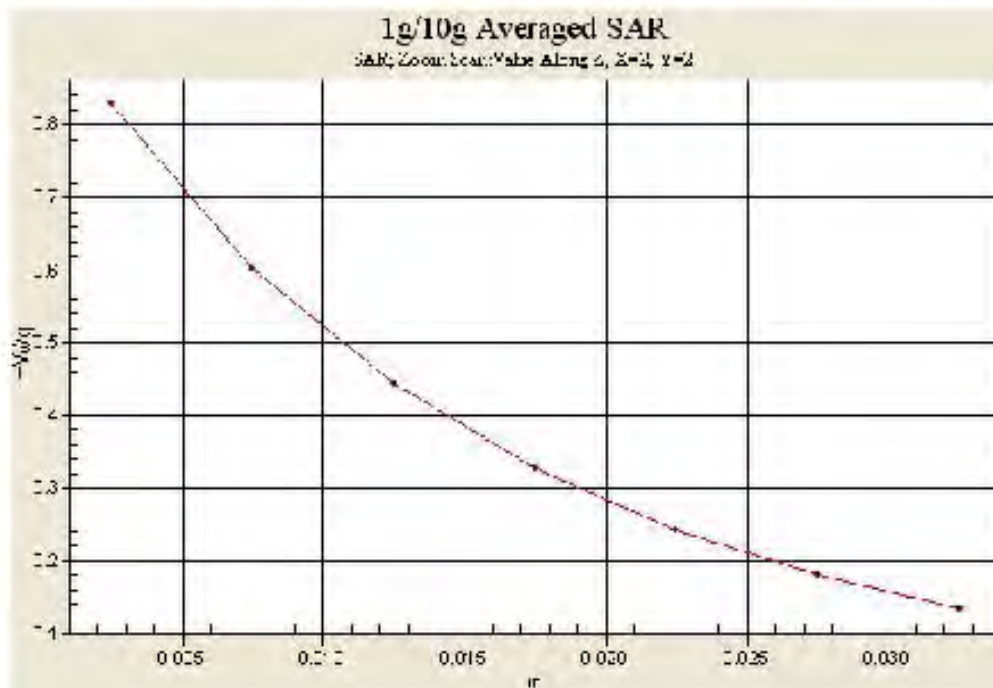
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.96, 8.96, 8.96); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**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 = 0.017 dB  
 Peak SAR (extrapolated) = 1.02 W/kg  
 SAR(1 g) = 0.710 W/kg; SAR(10 g) = 0.504 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.995 \text{ mho/m}$ ;  $\epsilon_r = 54.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.97, 8.97, 8.97); Calibrated: 2011-01-24; 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: 2011-12-13; Ambient Temp: 22.3; Tissue Temp: 22.5

**1 cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 251, Ant Internal**

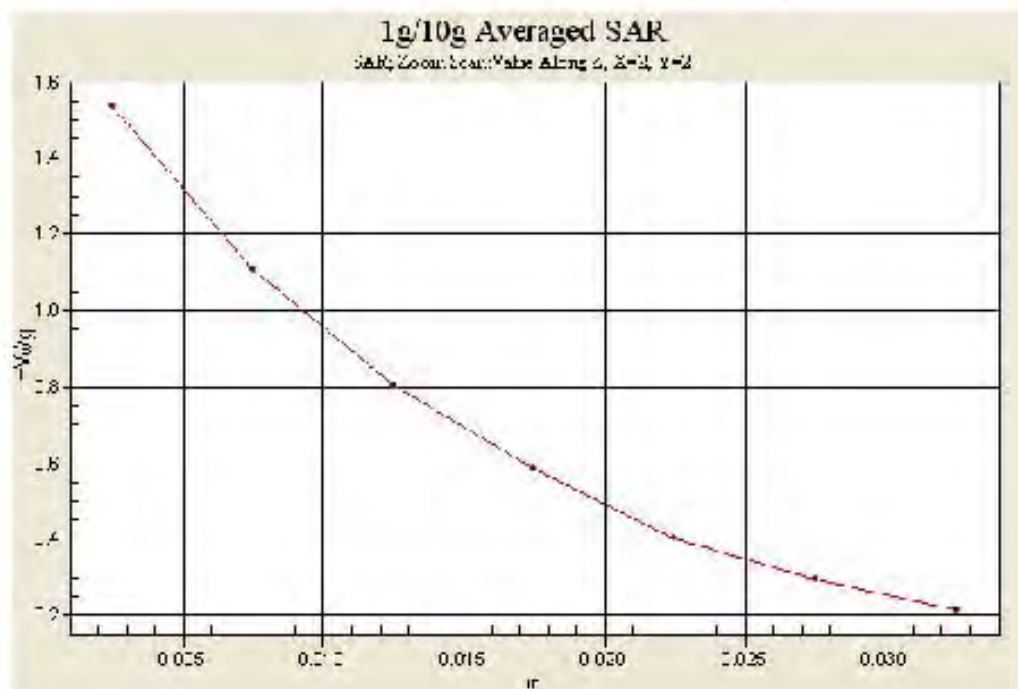
**Area Scan (71x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 1.83 W/kg

SAR(1 g) = 1.3 W/kg; SAR(10 g) = 0.910 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.42$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

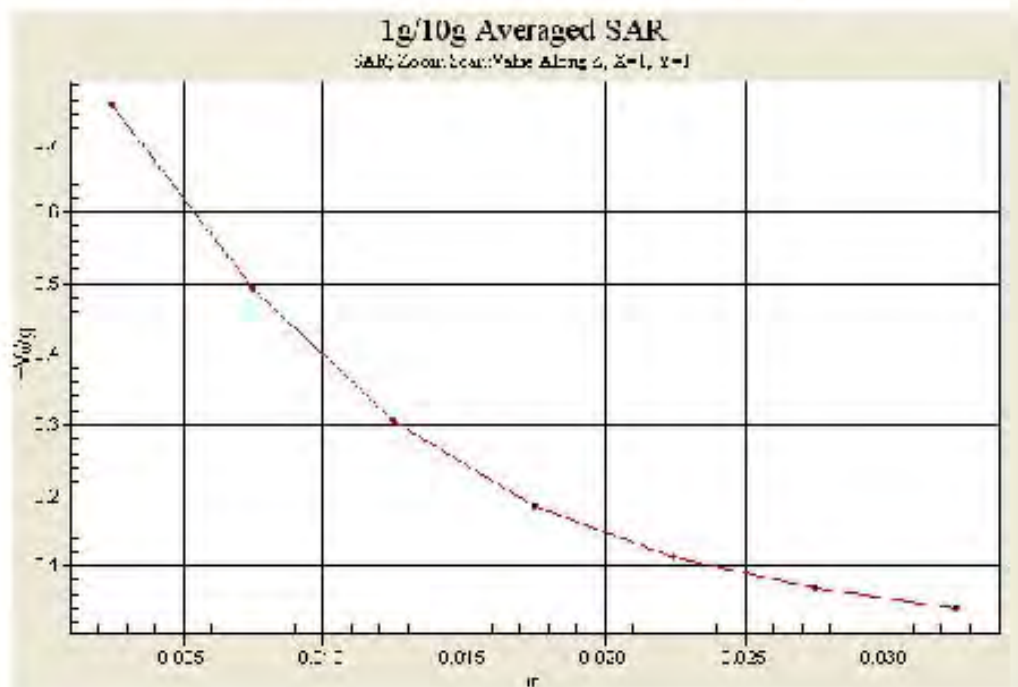
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(8.26, 8.26, 8.26); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

**Left Touch, PCS1900 Ch. 810, 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 = 0.037 dB  
 Peak SAR (extrapolated) = 0.994 W/kg  
 SAR(1 g) = 0.635 W/kg; SAR(10 g) = 0.380 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.56$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.19, 7.19, 7.19); Calibrated: 2011-01-24; 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: 2011-12-14; Ambient Temp: 21.5; Tissue Temp: 21.9

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

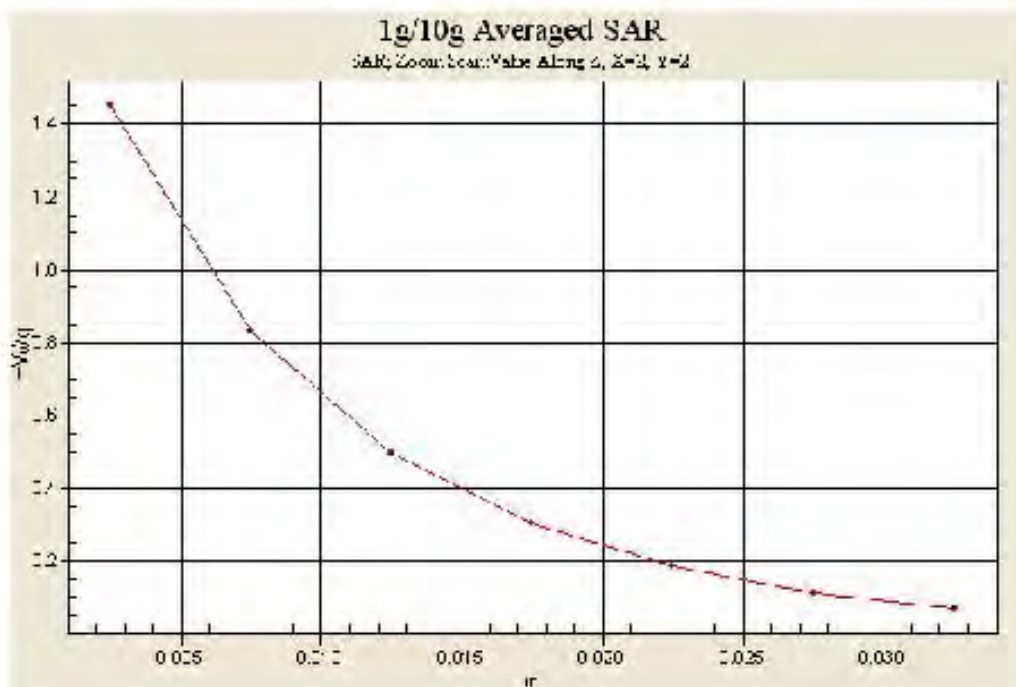
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.083 dB

Peak SAR (extrapolated) = 1.94 W/kg

SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.624 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.81 \text{ mho/m}$ ;  $\epsilon_r = 38.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Right Section

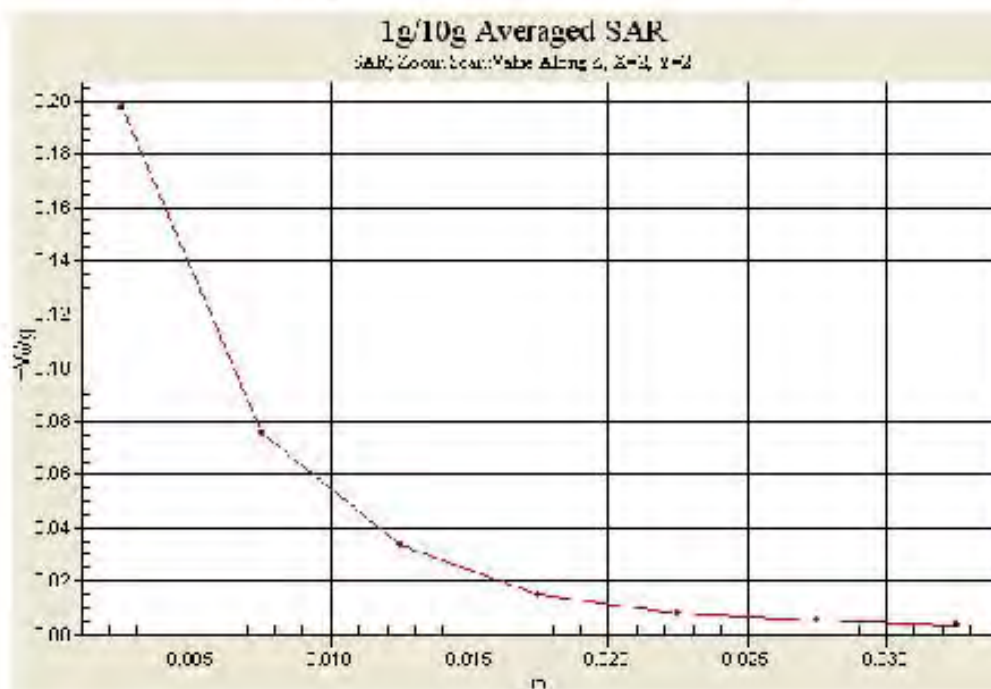
**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.4, 7.4, 7.4); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; 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 = 0.127 dB  
 Peak SAR (extrapolated) = 0.336 W/kg  
 SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.059 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E400; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.93$  mho/m;  $\epsilon_r = 52$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

**DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; 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: 2011-12-15; Ambient Temp: 21.8; Tissue Temp: 22.4

**1 cm space from Body, Rear, W-LAN(802.11b) Ch. 6, 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 = 0.147 dB  
 Peak SAR (extrapolated) = 0.291 W/kg  
 SAR(1 g) = 0.136 W/kg; SAR(10 g) = 0.066 W/kg

