

**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  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

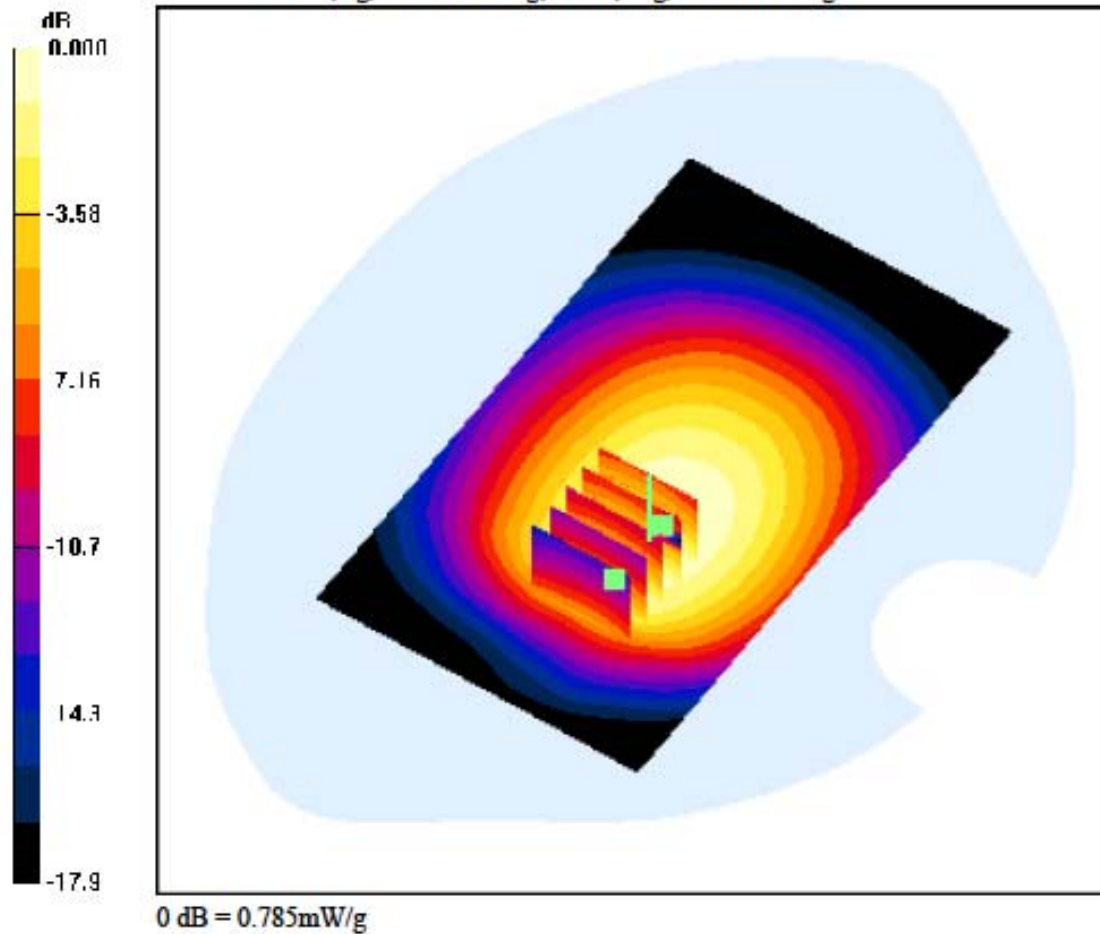
Test Date: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

**1cm space from Body, Rear, GSM850 GPRS Class 12 Ch. 190, Ant Internal****Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm**Zoom Scan (5x5x7)/Cube I:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Power Drift = -0.001 dB

Peak SAR (extrapolated) = 0.904 W/kg

SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.435 W/kg



## DIGITAL EMC CO., LTD

DUT: LG-E510; Type: Bar

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.984$  mho/m;  $\epsilon_r = 55.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

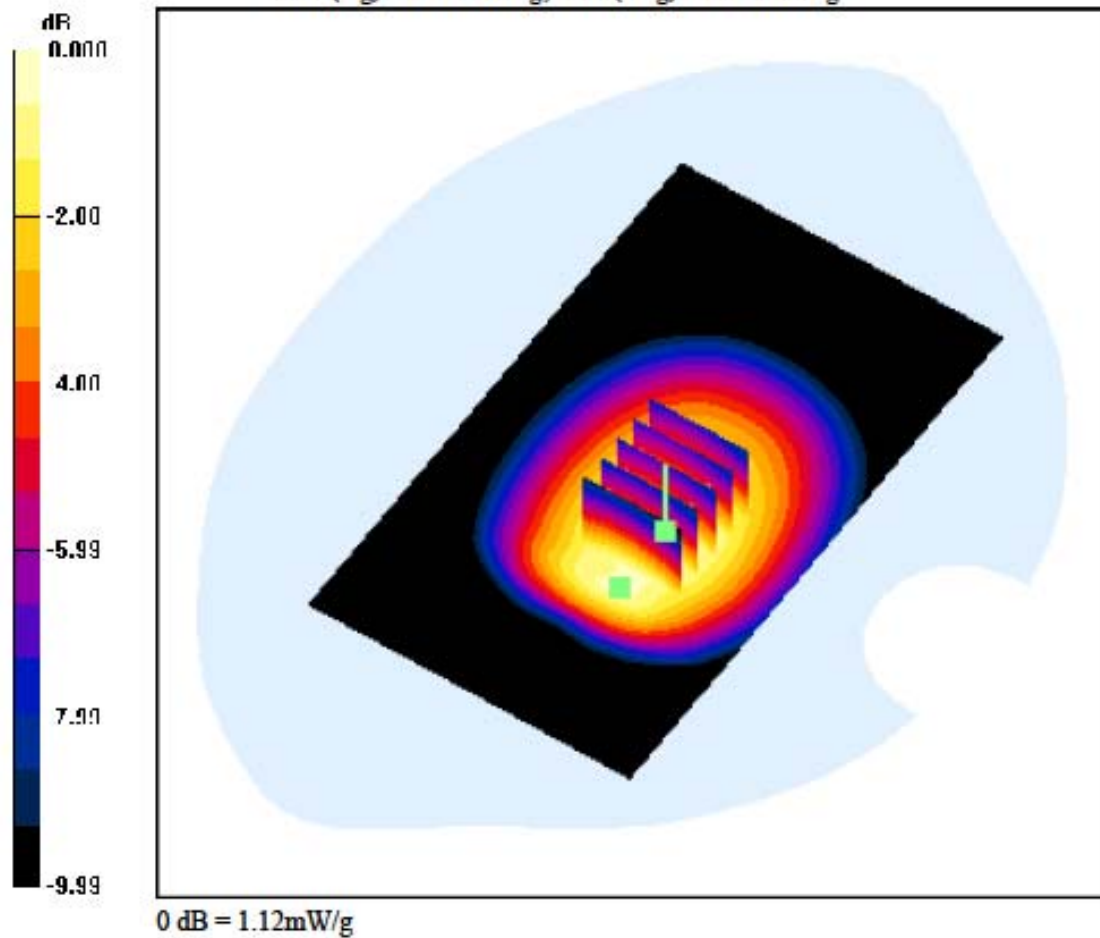
### DASY4 Configuration:

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: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

1cm space from Body, Rear, GSM850 GPRS Class 12 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 = -0.041 dB  
Peak SAR (extrapolated) = 1.78 W/kg  
SAR(1 g) = 0.926 W/kg; SAR(10 g) = 0.697 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.984 \text{ mho/m}$ ;  $\epsilon_r = 55.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

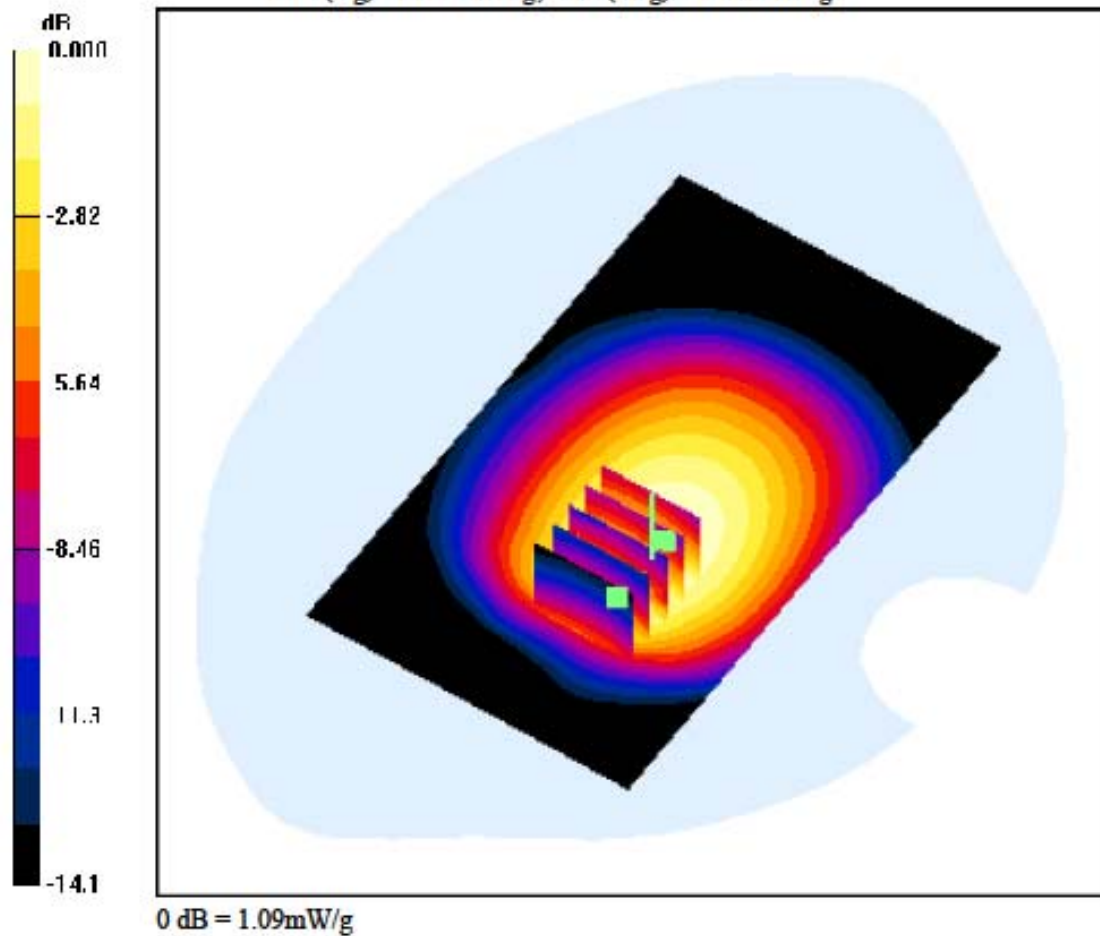
**DASY4 Configuration:**

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: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

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

**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
**Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Power Drift = -0.041 dB  
 Peak SAR (extrapolated) = 1.26 W/kg  
 SAR(1 g) = 0.899 W/kg; SAR(10 g) = 0.595 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.959 \text{ mho/m}$ ;  $\epsilon_r = 55.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

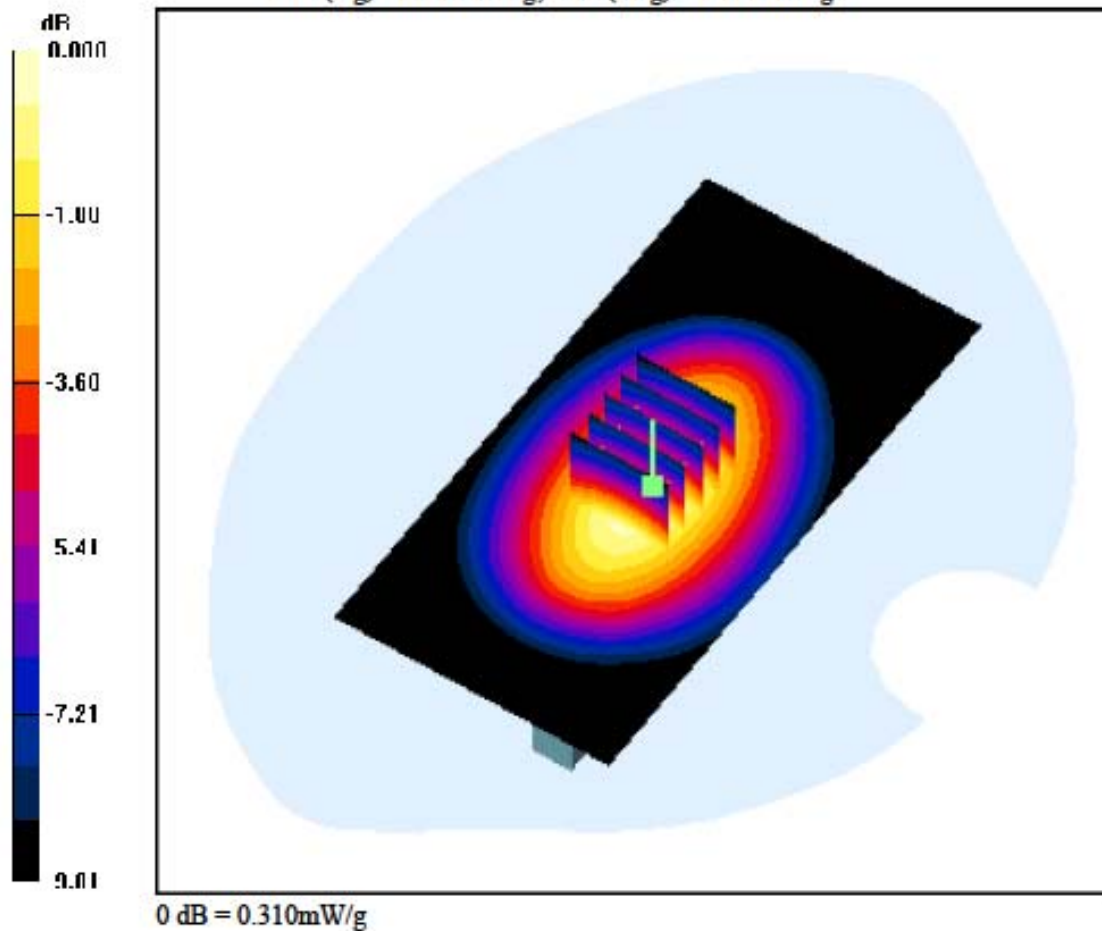
**DASY4 Configuration:**

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: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

**1cm space from Body, Right, GSM850 GPRS Class 12 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 = -0.029 dB  
 Peak SAR (extrapolated) = 0.366 W/kg  
 SAR(1 g) = 0.262 W/kg; SAR(10 g) = 0.182 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.959$  mho/m;  $\epsilon_r = 55.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

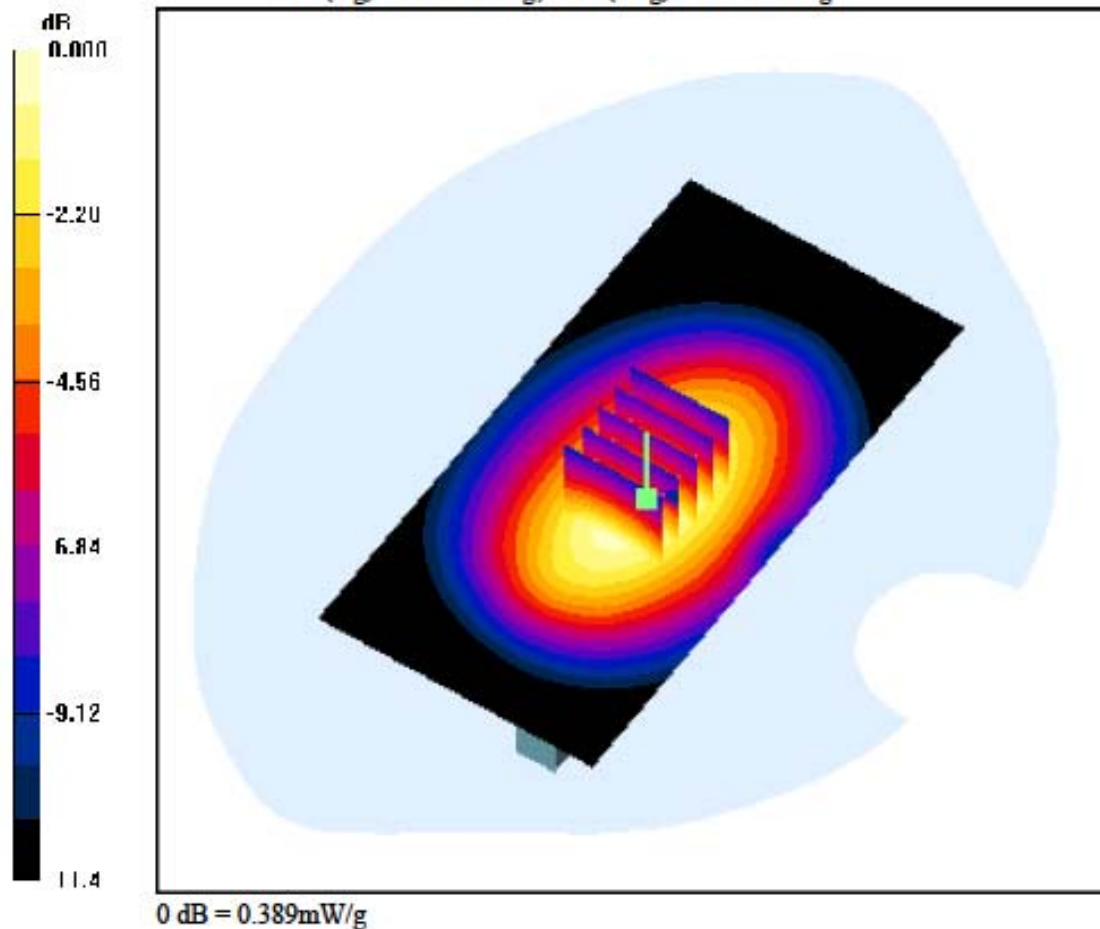
**DASY4 Configuration:**

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: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

**1cm space from Body, Left, GSM850 GPRS Class 12 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 = 0.026 dB  
Peak SAR (extrapolated) = 0.464 W/kg  
SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.227 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

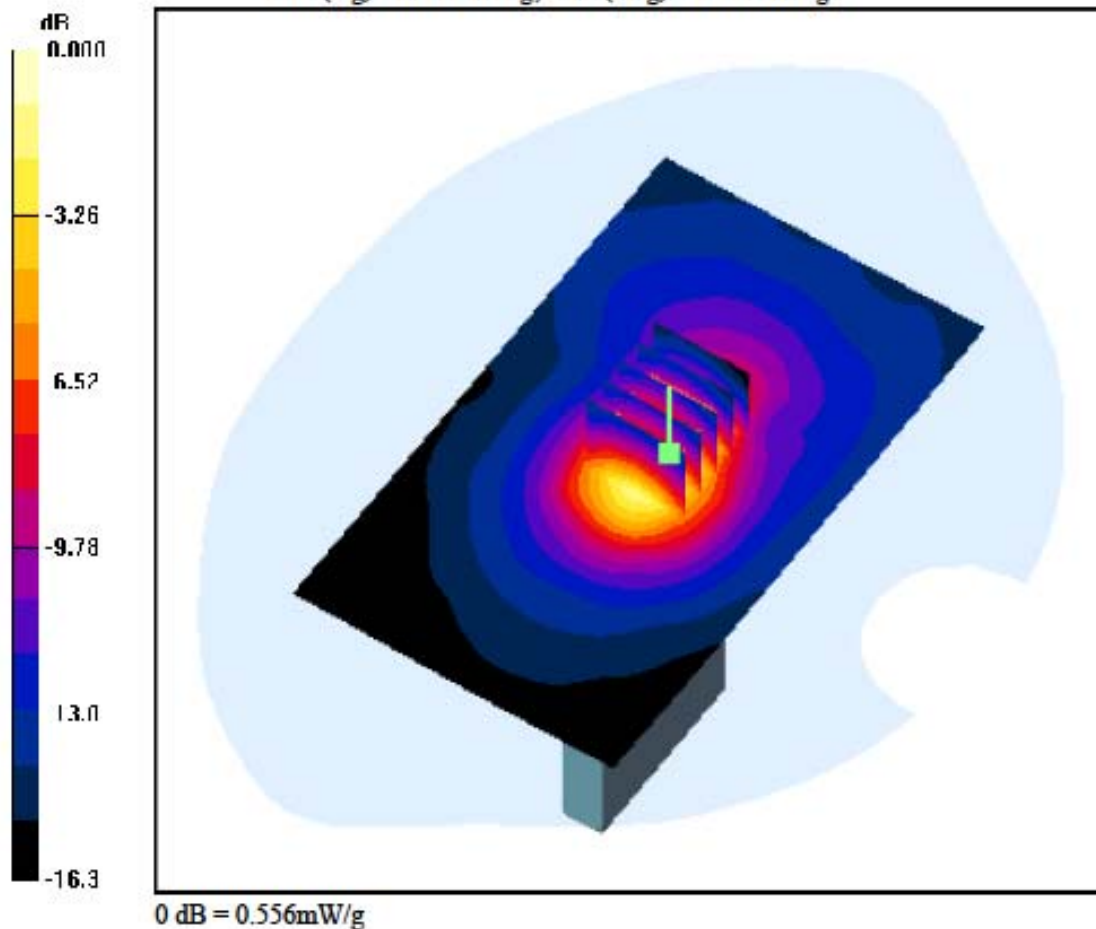
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Bottom, PCS1900 GPRS Class 12 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 = 0.010 dB  
 Peak SAR (extrapolated) = 1.26 W/kg  
 SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.228 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

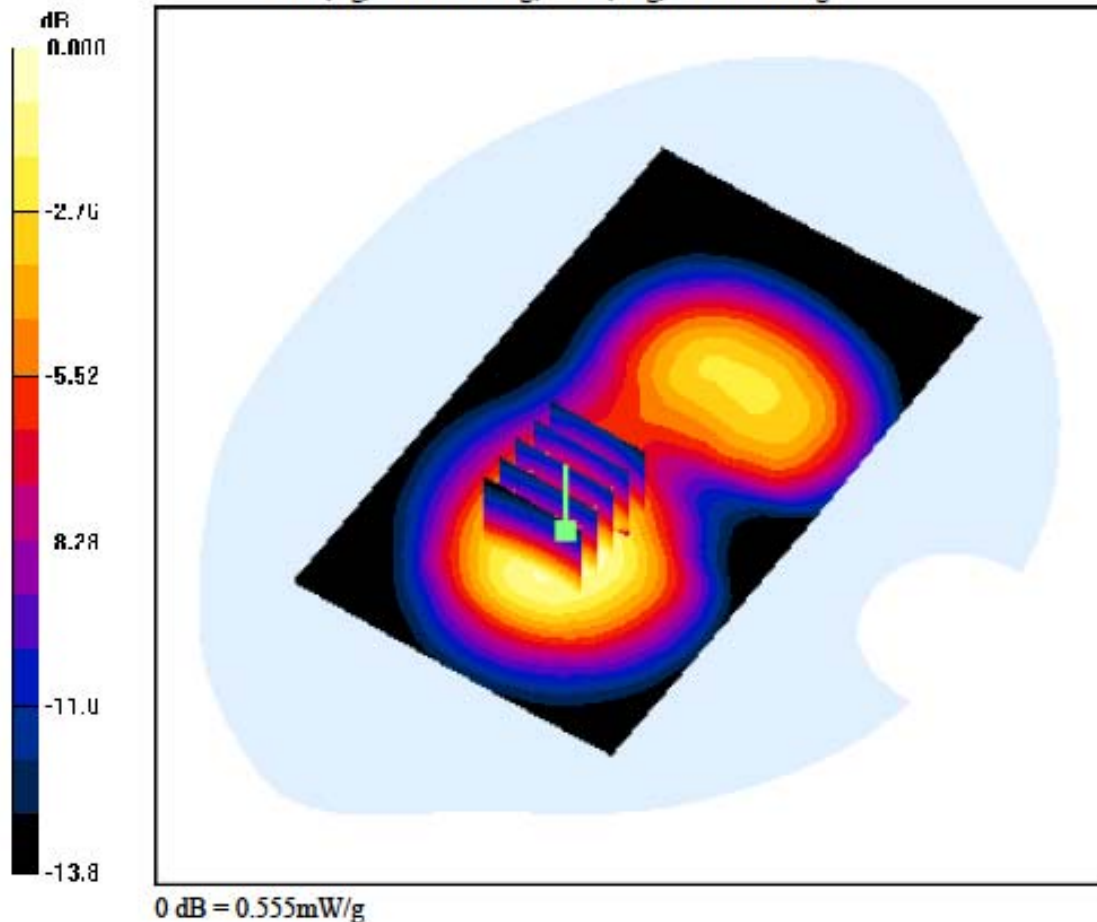
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.002 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.265 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

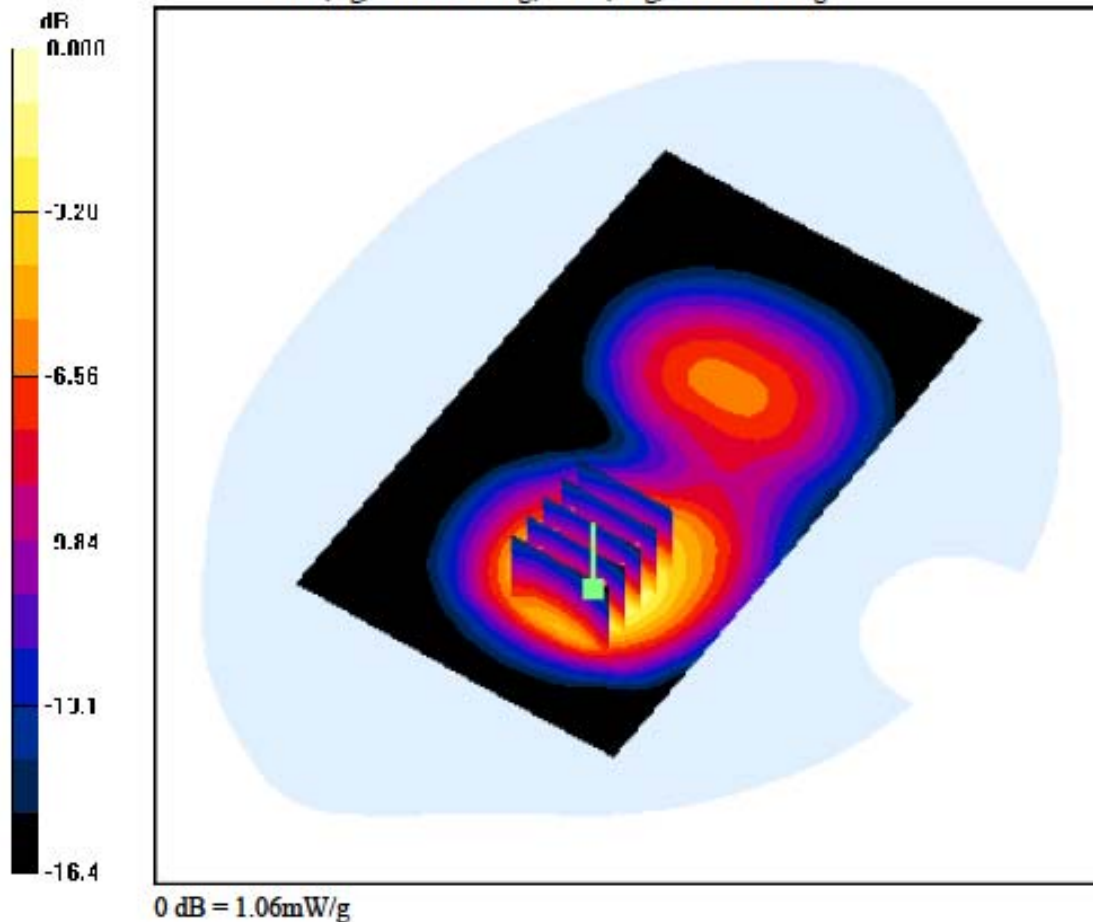
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 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 = 0.058 dB  
 Peak SAR (extrapolated) = 1.50 W/kg  
 SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.434 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

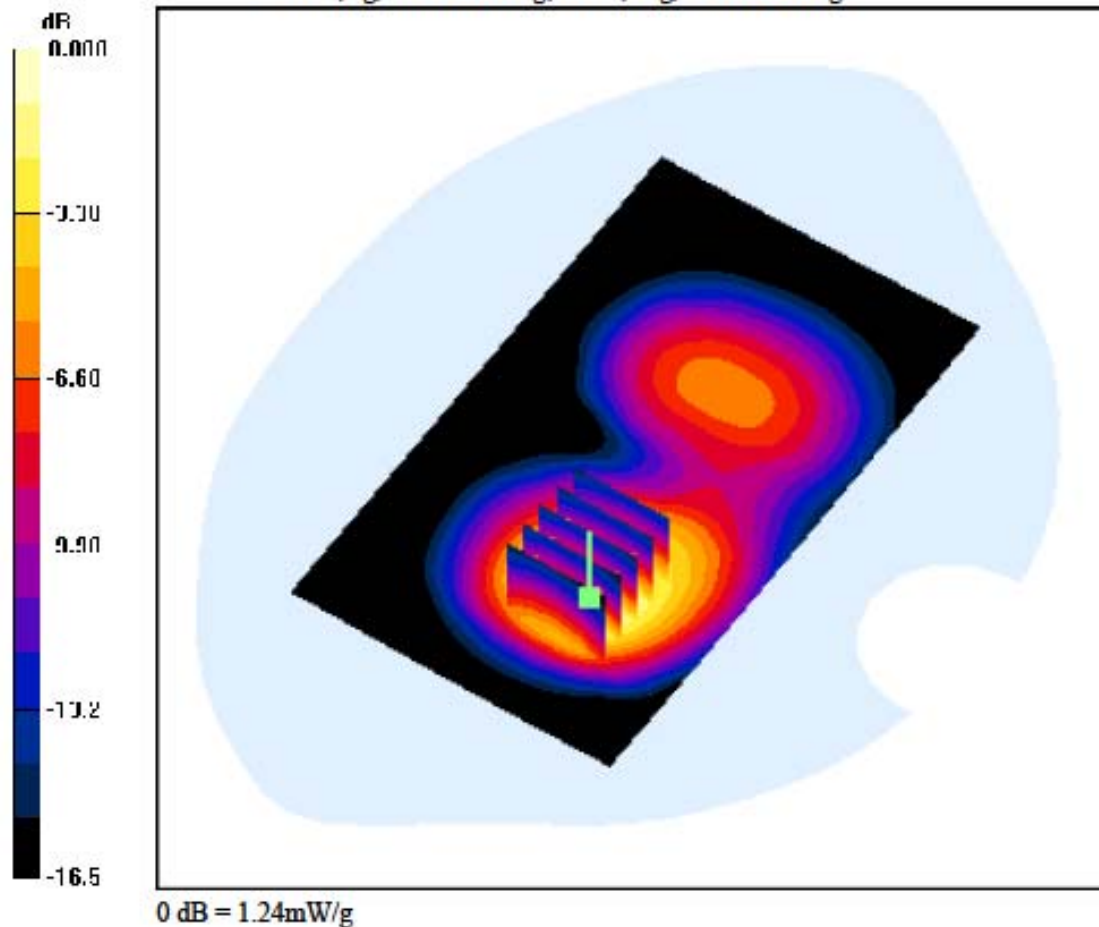
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 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 = -0.001 dB  
 Peak SAR (extrapolated) = 1.73 W/kg  
 SAR(1 g) = 0.942 W/kg; SAR(10 g) = 0.503 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

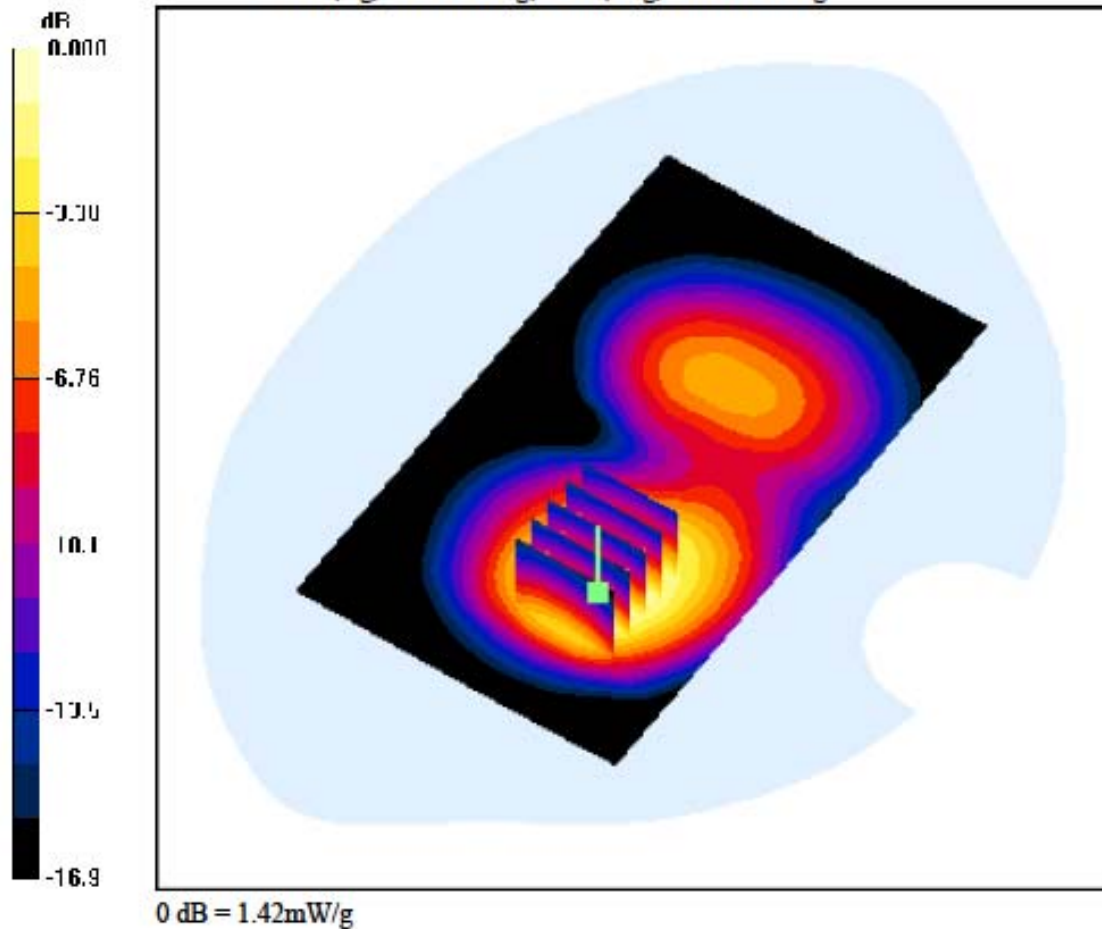
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 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 = -0.118 dB  
 Peak SAR (extrapolated) = 2.04 W/kg  
 SAR(1 g) = 1.12 W/kg; SAR(10 g) = 0.617 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.48$  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

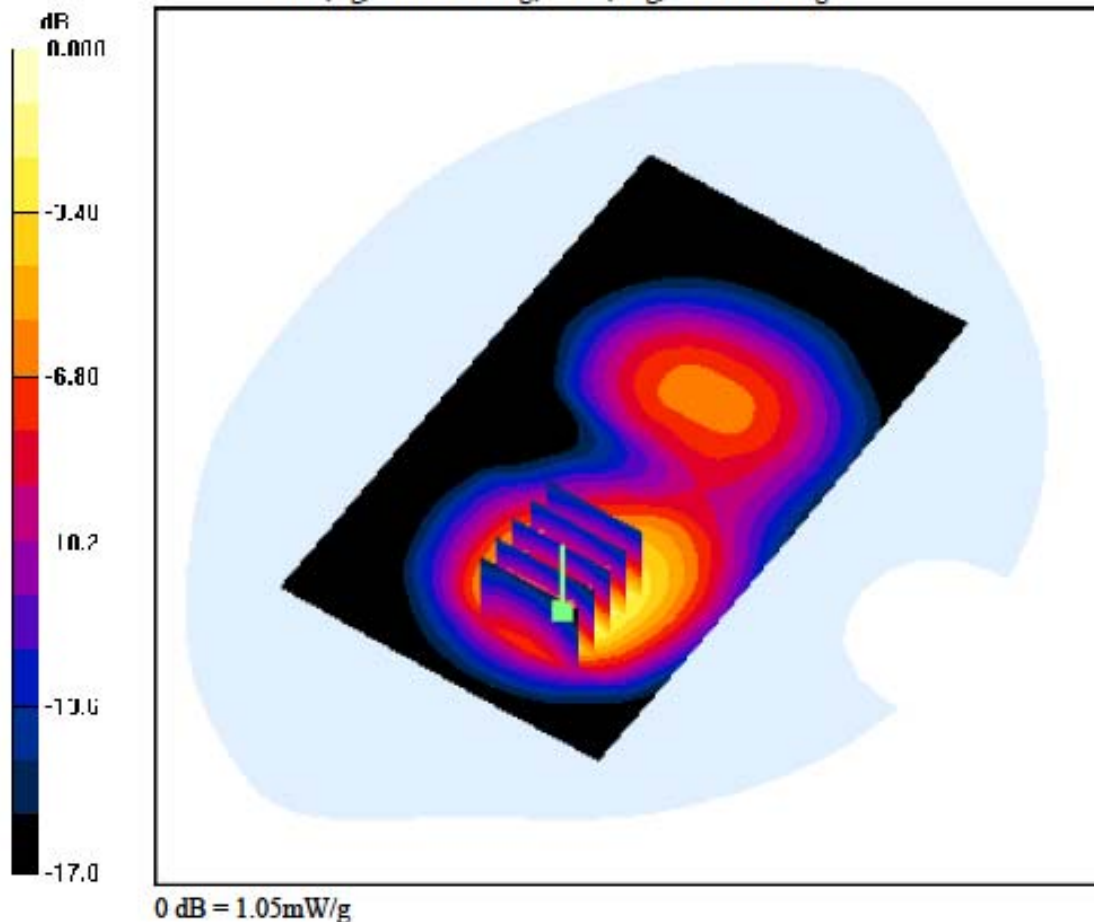
Test Date: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 8 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 = 0.163 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.416 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

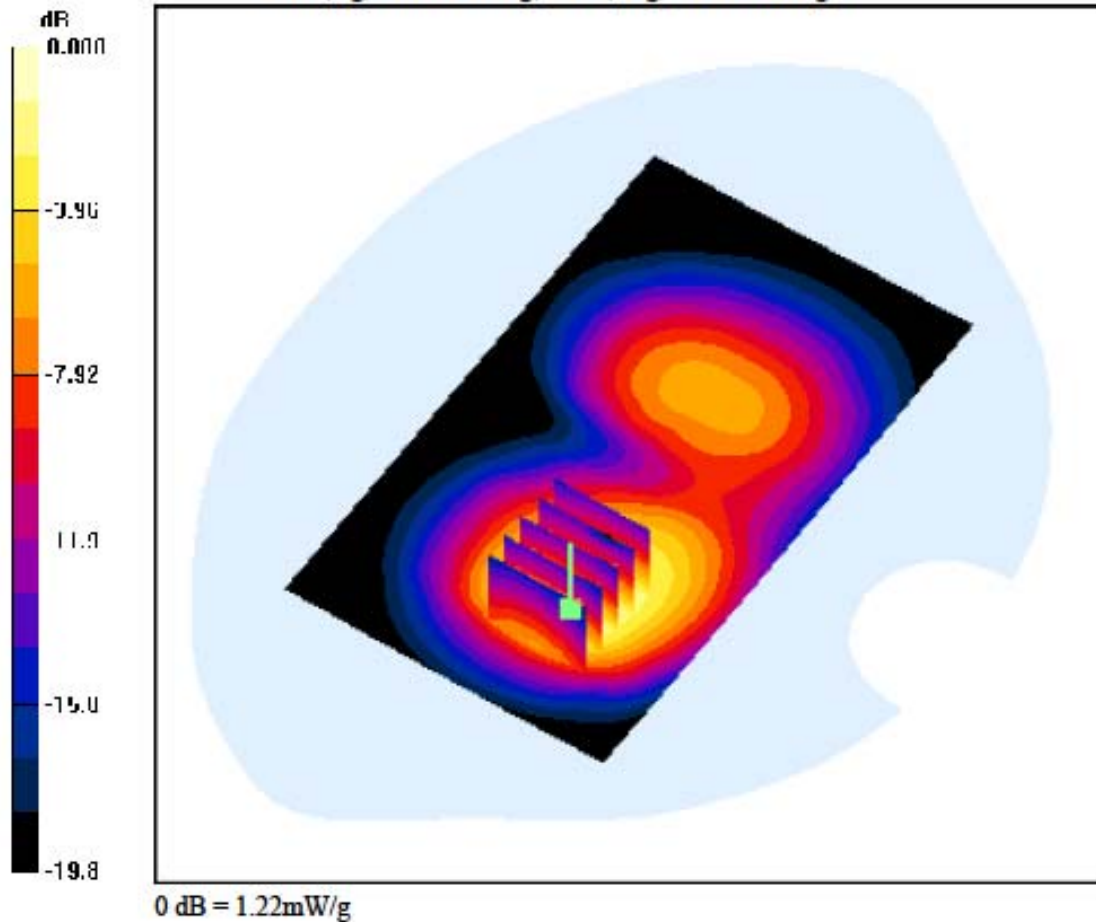
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.004 dB

Peak SAR (extrapolated) = 1.65 W/kg

SAR(1 g) = 0.898 W/kg; SAR(10 g) = 0.483 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.55 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

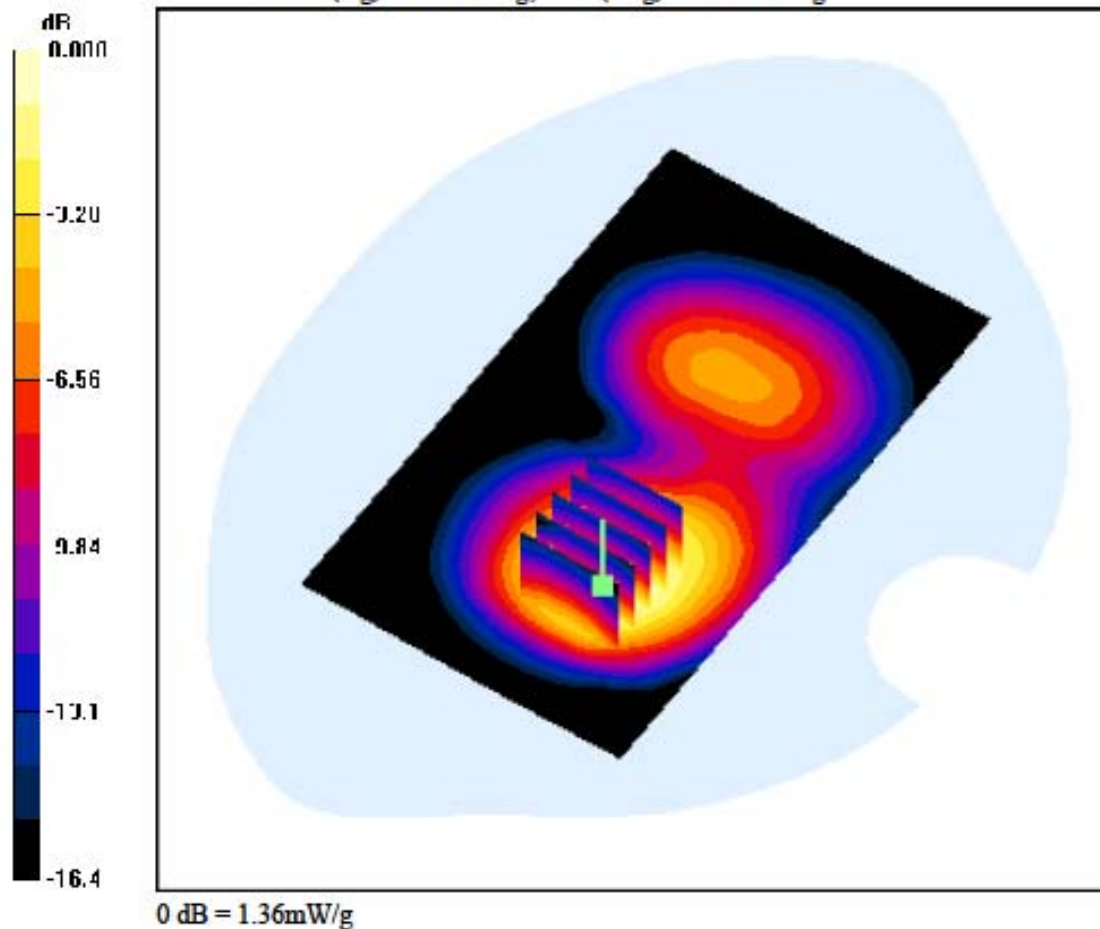
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 8 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 = 0.023 dB  
 Peak SAR (extrapolated) = 1.93 W/kg  
 SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.585 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.48$  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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 10 Ch. 512, Ant Internal**

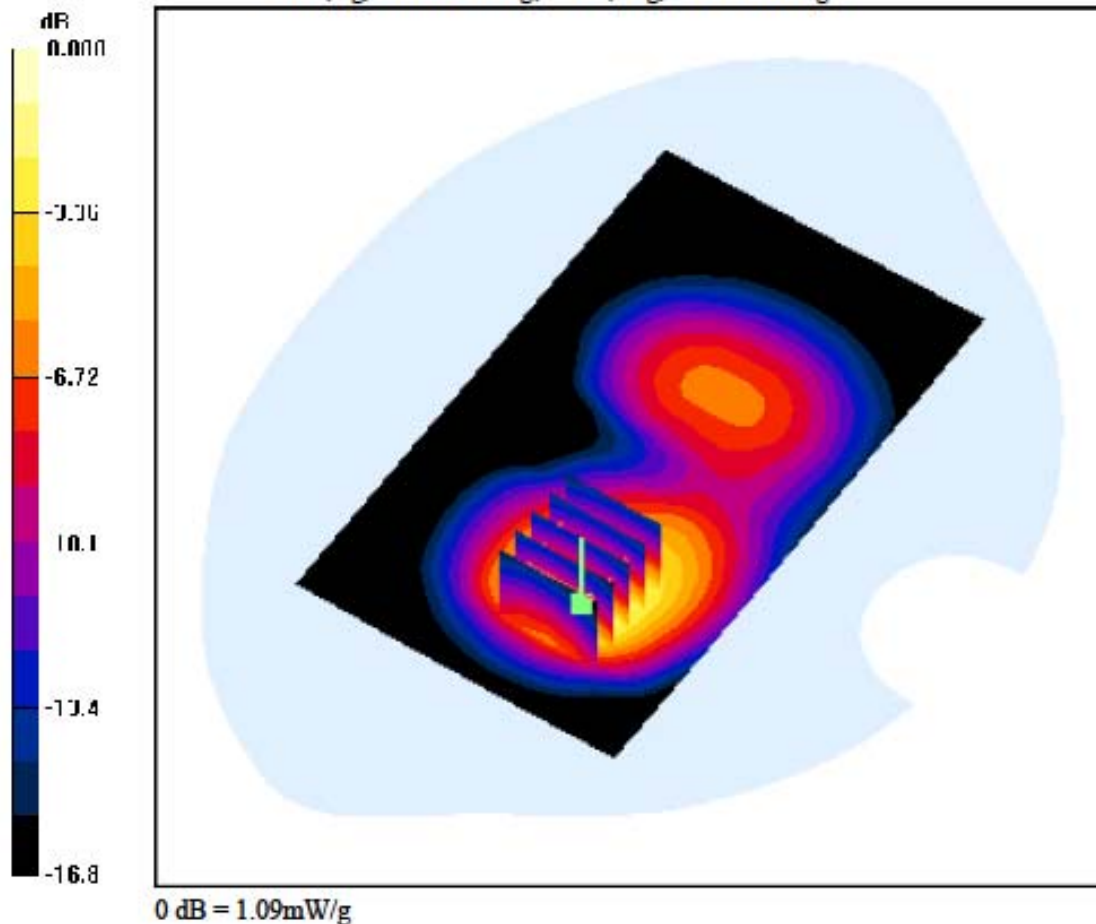
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.034 dB

Peak SAR (extrapolated) = 1.47 W/kg

SAR(1 g) = 0.806 W/kg; SAR(10 g) = 0.429 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

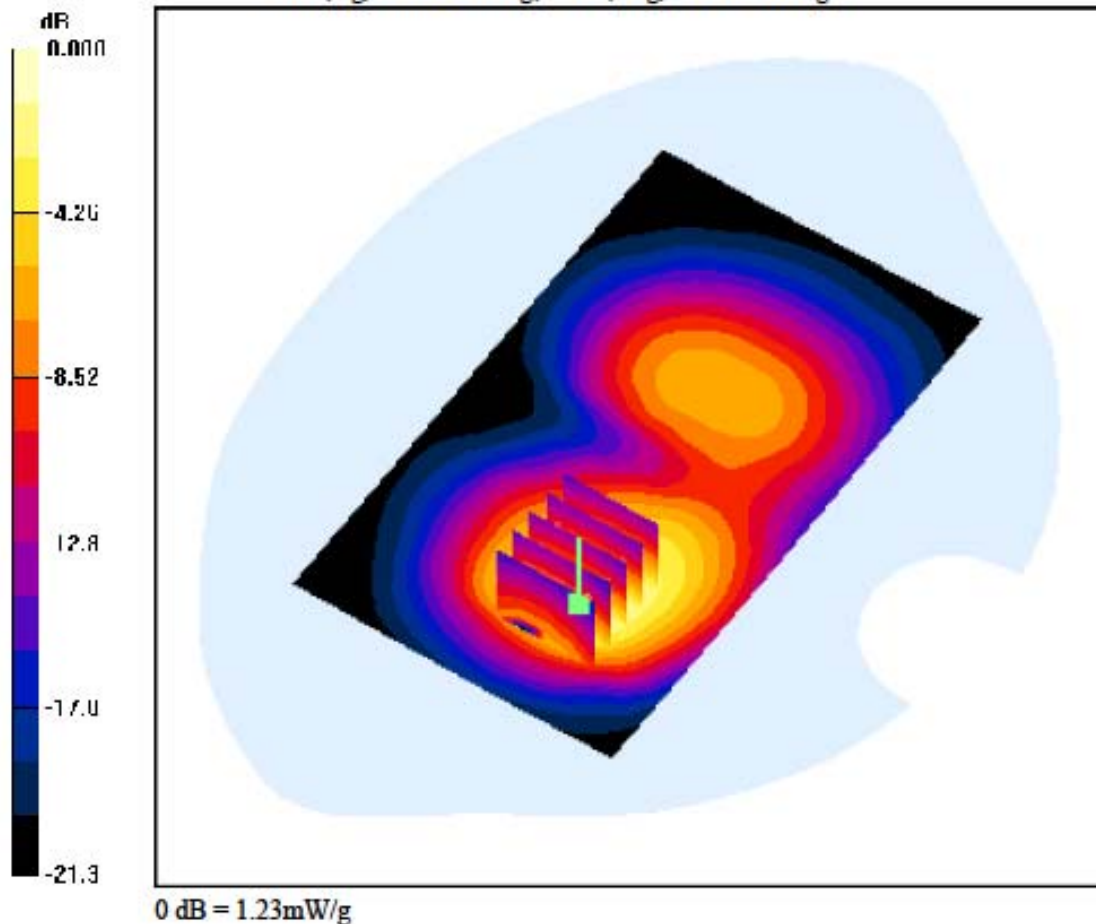
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.048 dB

Peak SAR (extrapolated) = 1.72 W/kg

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.495 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

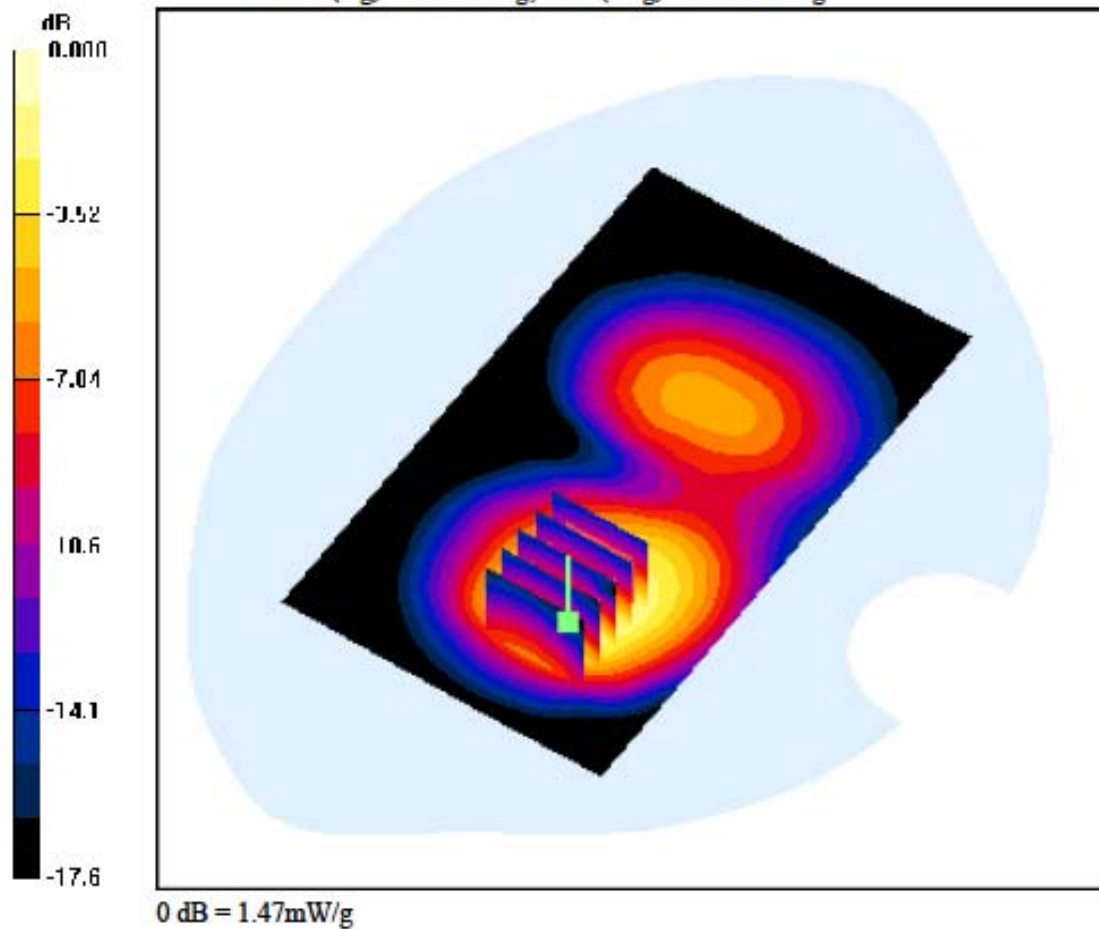
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 10 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 = -0.033 dB  
Peak SAR (extrapolated) = 1.99 W/kg  
SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.592 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

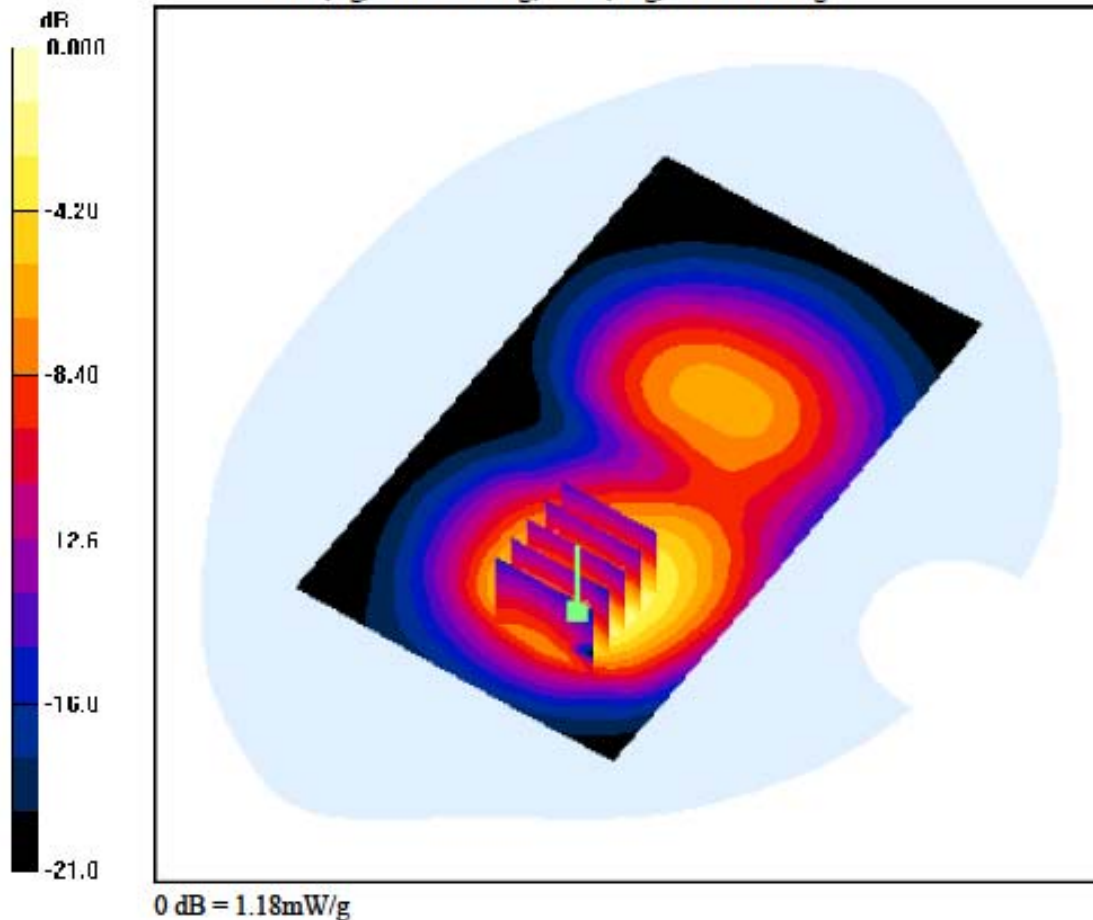
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class II 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 = 0.044 dB  
Peak SAR (extrapolated) = 1.60 W/kg  
SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.467 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

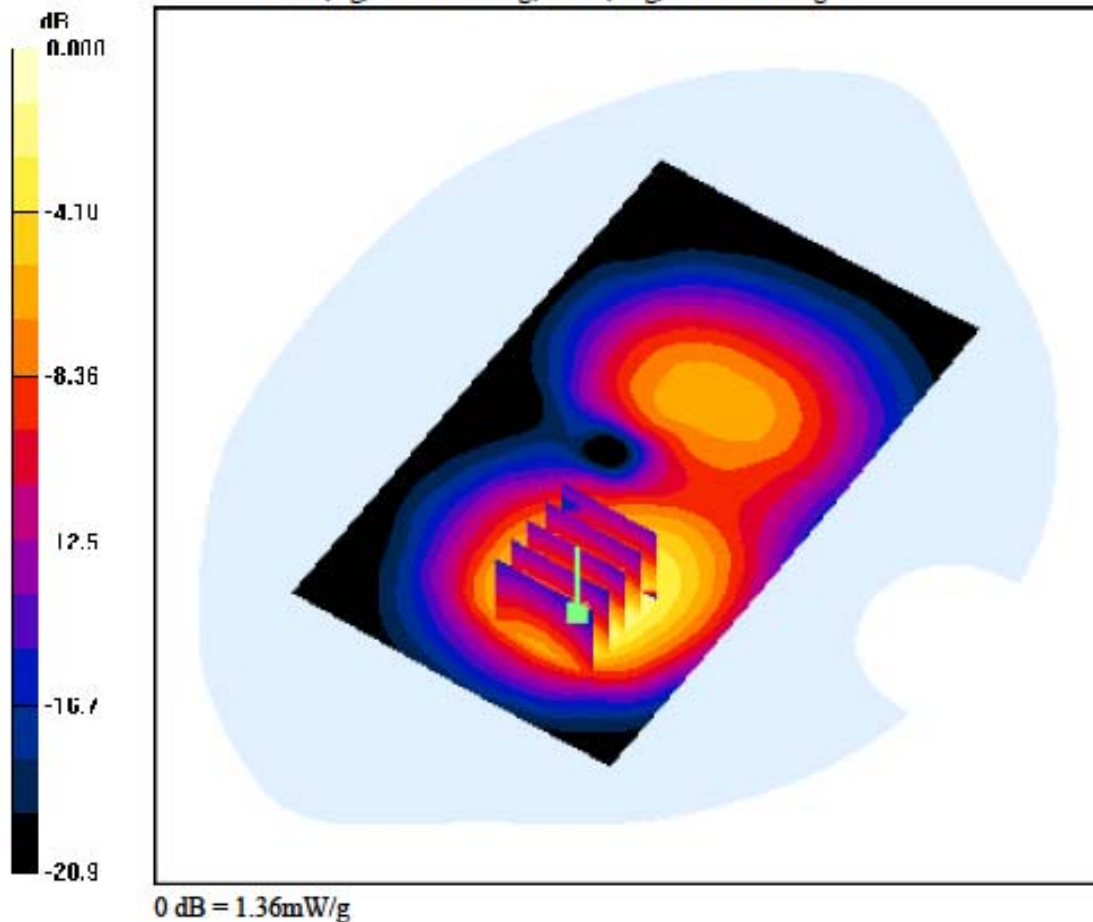
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.84 W/kg

SAR(1 g) = 0.997 W/kg; SAR(10 g) = 0.541 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
 Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.55 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

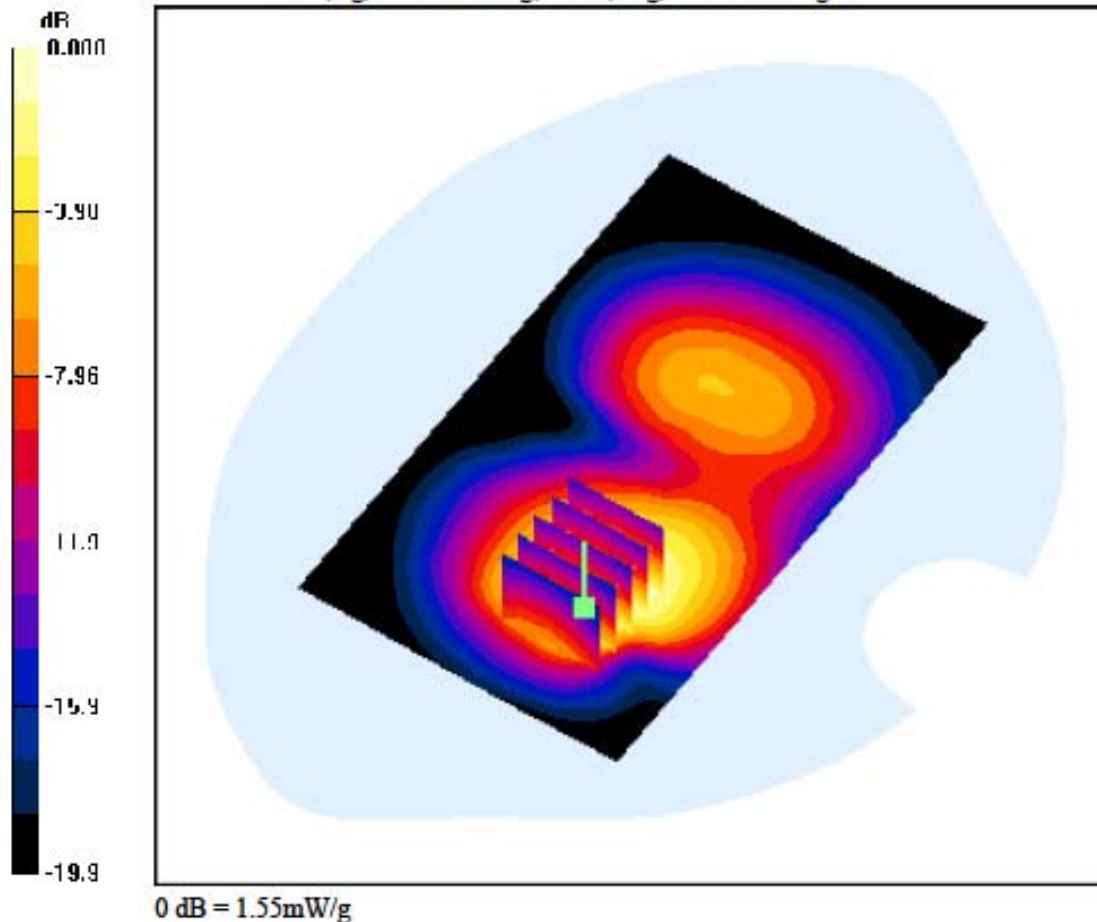
**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.096 dB

Peak SAR (extrapolated) = 2.90 W/kg

SAR(1 g) = 0.971 W/kg; SAR(10 g) = 0.597 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.48$  mho/m;  $\epsilon_r = 52.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

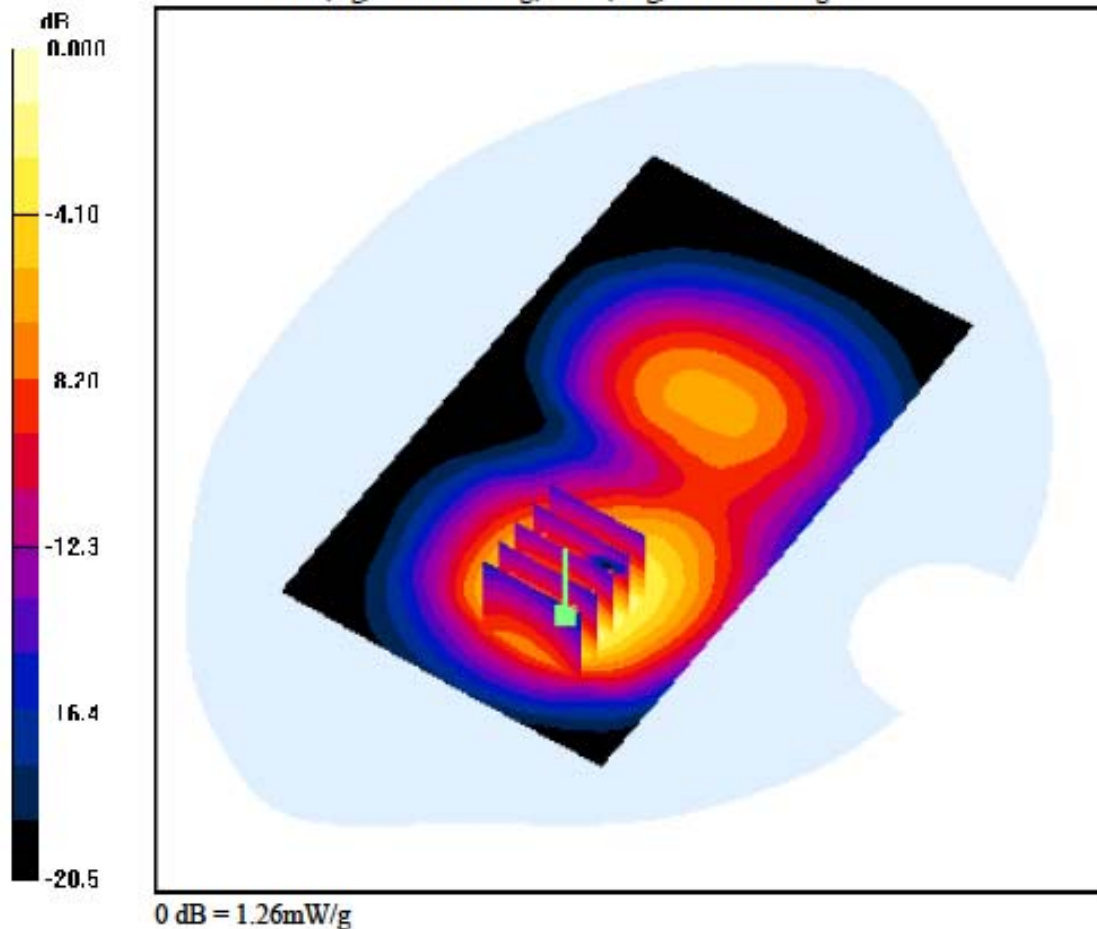
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 12 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 = -0.019 dB  
 Peak SAR (extrapolated) = 1.70 W/kg  
 SAR(1 g) = 0.936 W/kg; SAR(10 g) = 0.501 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

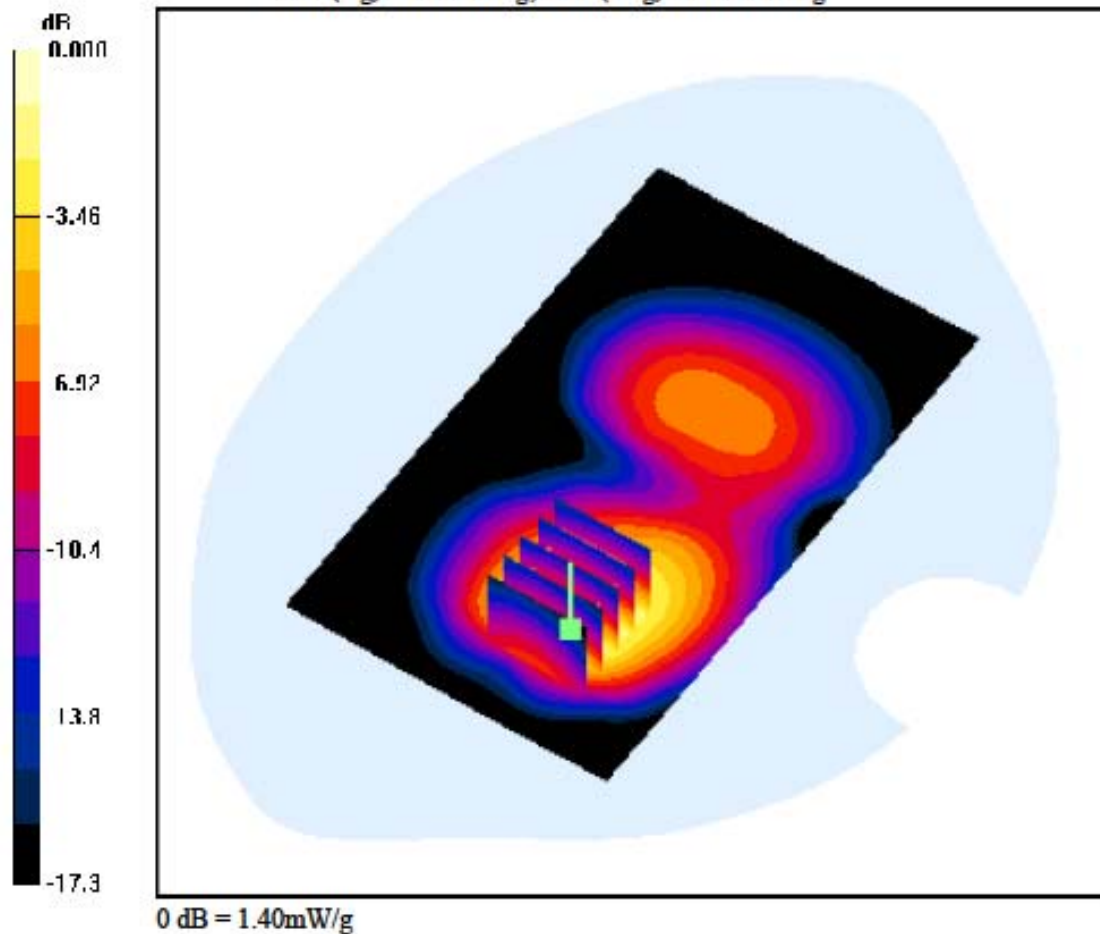
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 12 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 = 0.052 dB  
Peak SAR (extrapolated) = 1.88 W/kg  
SAR(1 g) = 1.05 W/kg; SAR(10 g) = 0.567 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

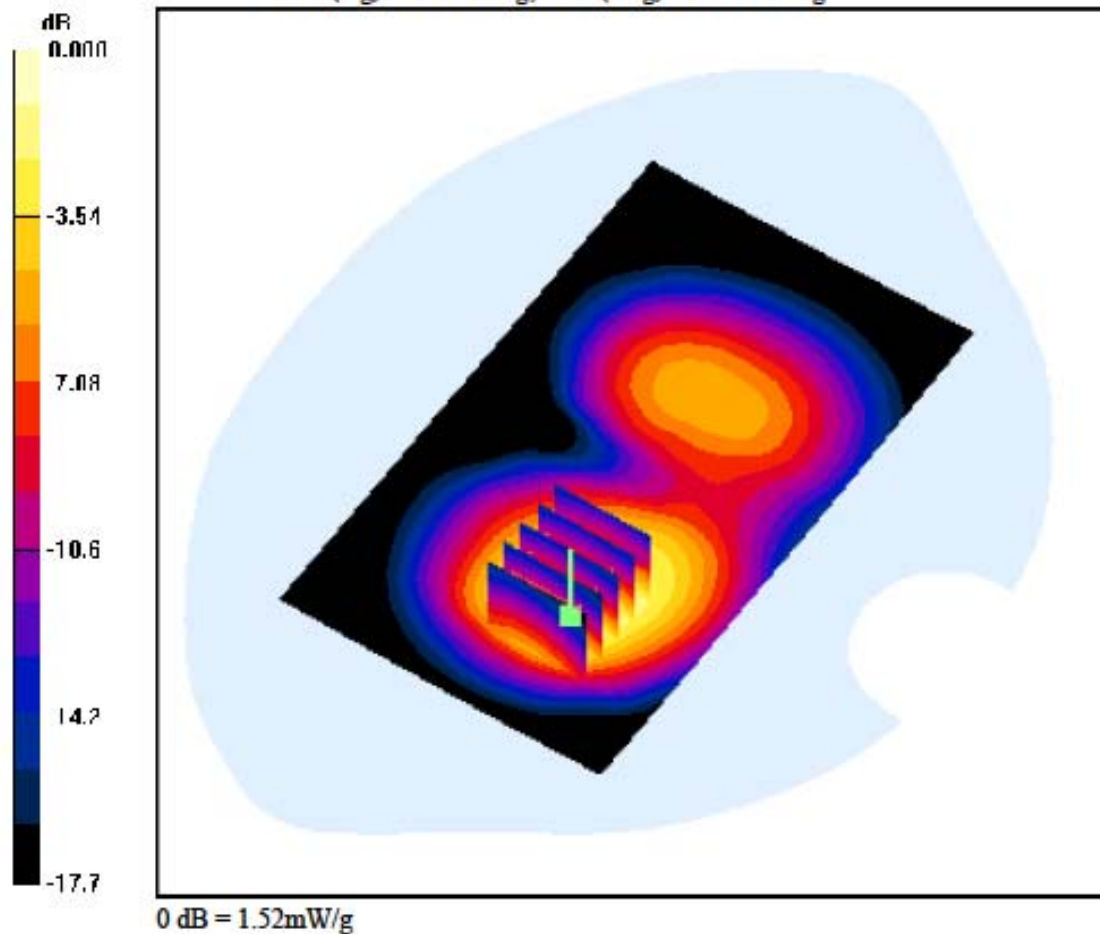
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 12 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 = -0.059 dB  
Peak SAR (extrapolated) = 2.09 W/kg  
SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.624 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  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

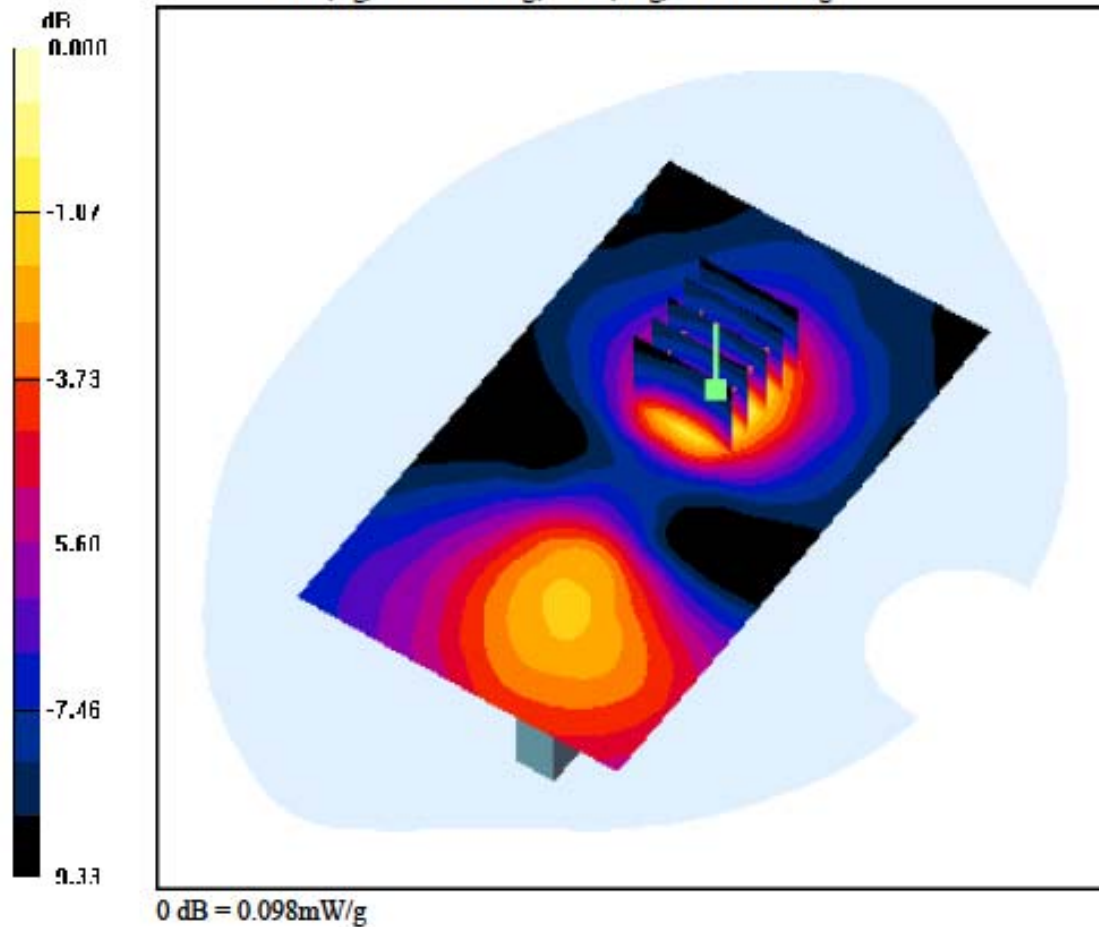
Test Date: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Right, PCS1900 GPRS Class 12 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 = 0.048 dB

Peak SAR (extrapolated) = 0.216 W/kg

SAR(1 g) = 0.079 W/kg; SAR(10 g) = 0.048 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.5$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

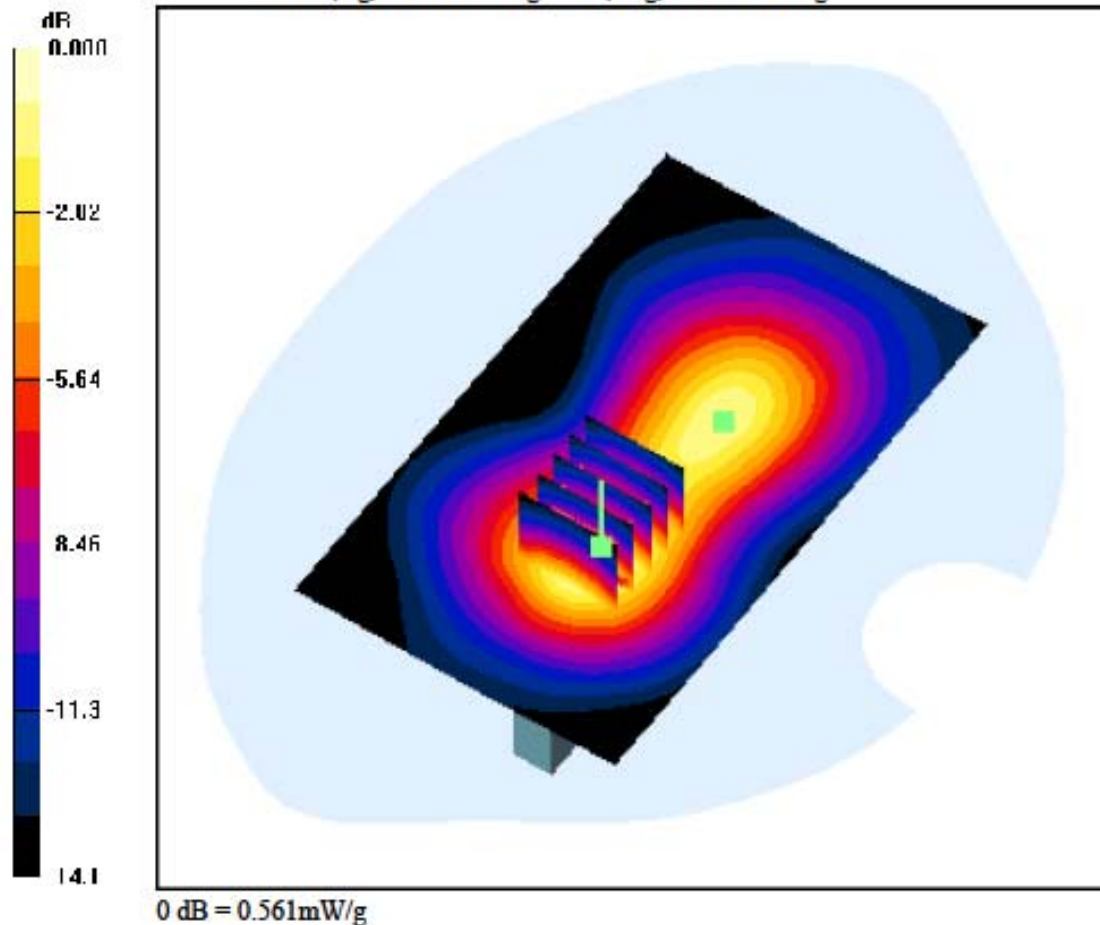
**Area Scan (71x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.009 dB

Peak SAR (extrapolated) = 0.697 W/kg

SAR(1 g) = 0.434 W/kg SAR(10 g) = 0.250 W/kg





## DIGITAL EMC CO., LTD

**DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.5 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

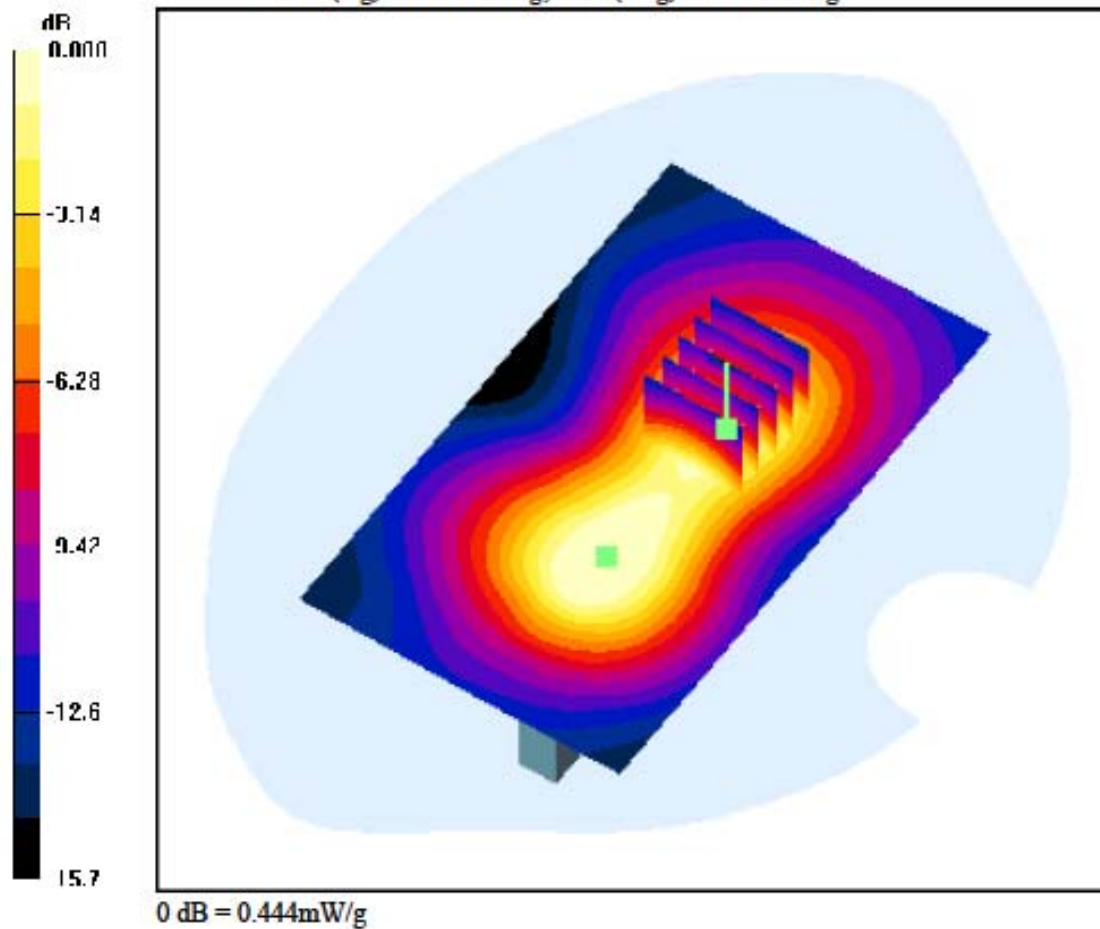
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

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

**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
**Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Power Drift = -0.009 dB  
 Peak SAR (extrapolated) = 0.563 W/kg  
 SAR(1 g) = 0.352 W/kg; SAR(10 g) = 0.213 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  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

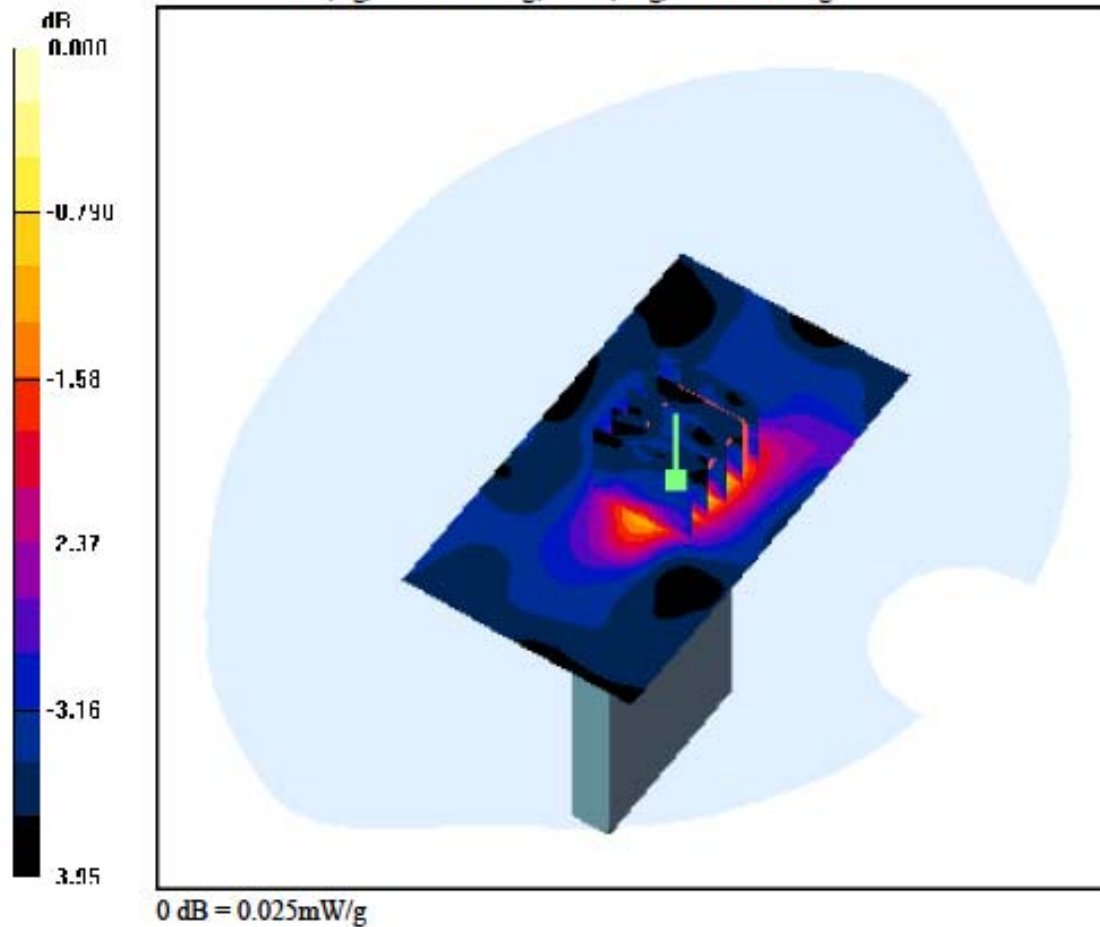
Test Date: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

**1cm space from Body, Top, W-LAN(802.11b) Ch. 11, 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 = 0.348 dB

Peak SAR (extrapolated) = 0.033 W/kg

SAR(1 g) = 0.021 W/kg; SAR(10 g) = 0.016 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

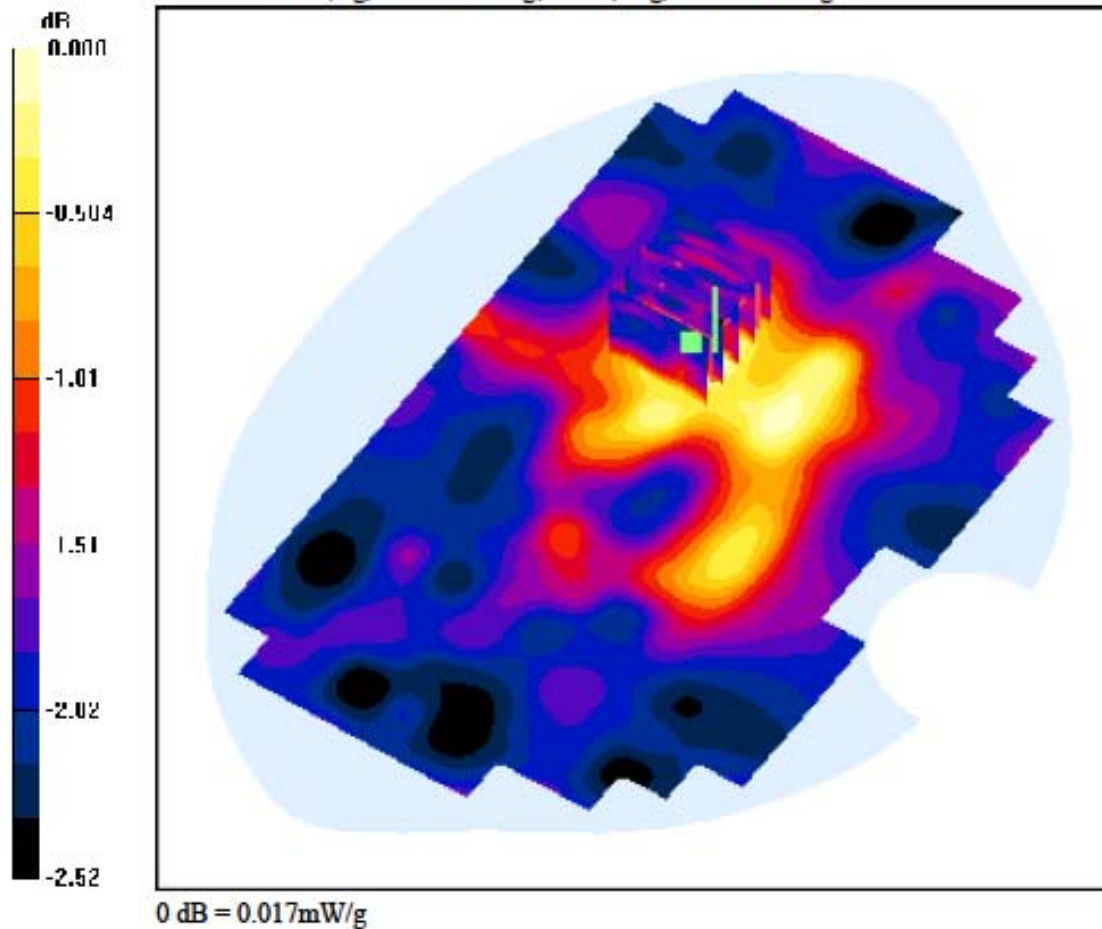
**DASY4 Configuration:**

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: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

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

**Area Scan (101x161x1):** 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 = 0.110 dB  
 Peak SAR (extrapolated) = 0.022 W/kg  
 SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.013 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.5$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

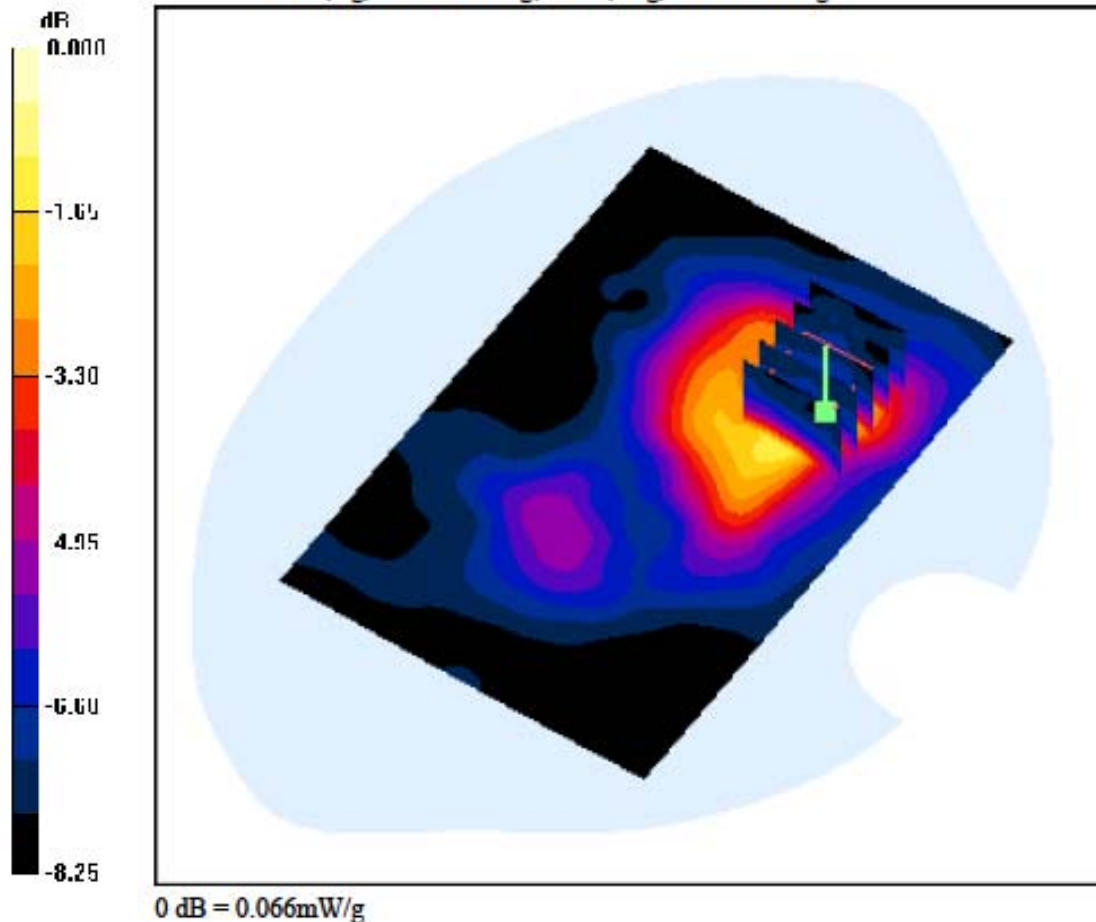
**DASY4 Configuration:**

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: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

**1cm 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 = 0.202 dB  
Peak SAR (extrapolated) = 0.098 W/kg  
SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.028 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

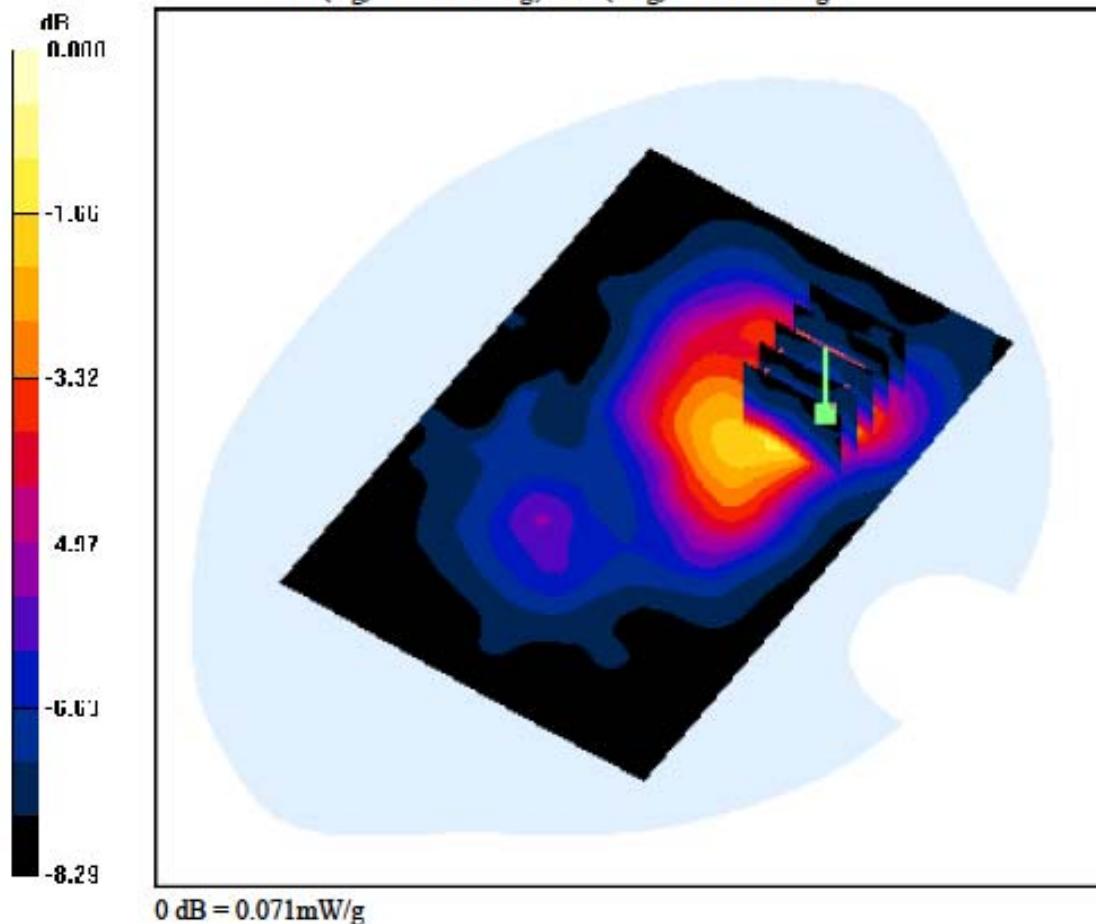
**DASY4 Configuration:**

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: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

**1cm 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 = -0.170 dB  
 Peak SAR (extrapolated) = 0.108 W/kg  
 SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.030 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.94$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

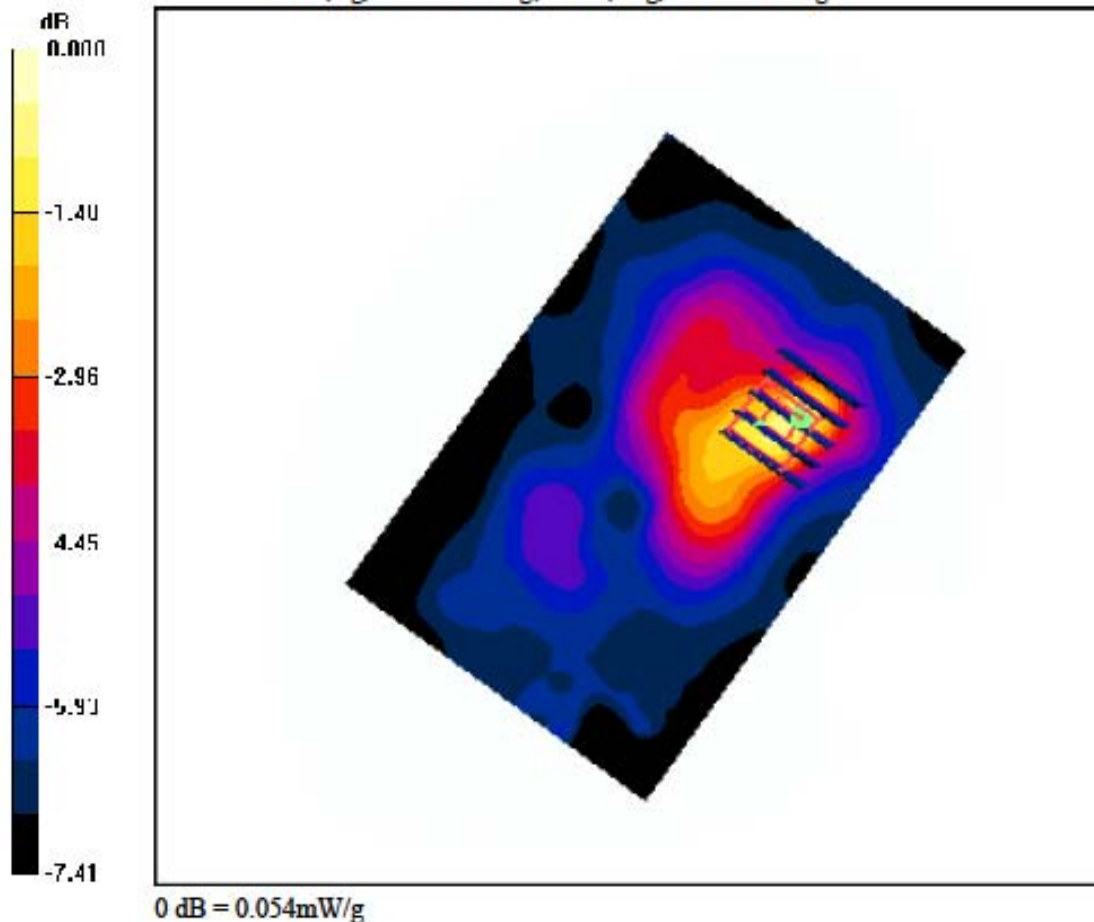
**DASY4 Configuration:**

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: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

**1cm 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 = 0.308 dB  
Peak SAR (extrapolated) = 0.085 W/kg  
SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.026 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 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: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

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

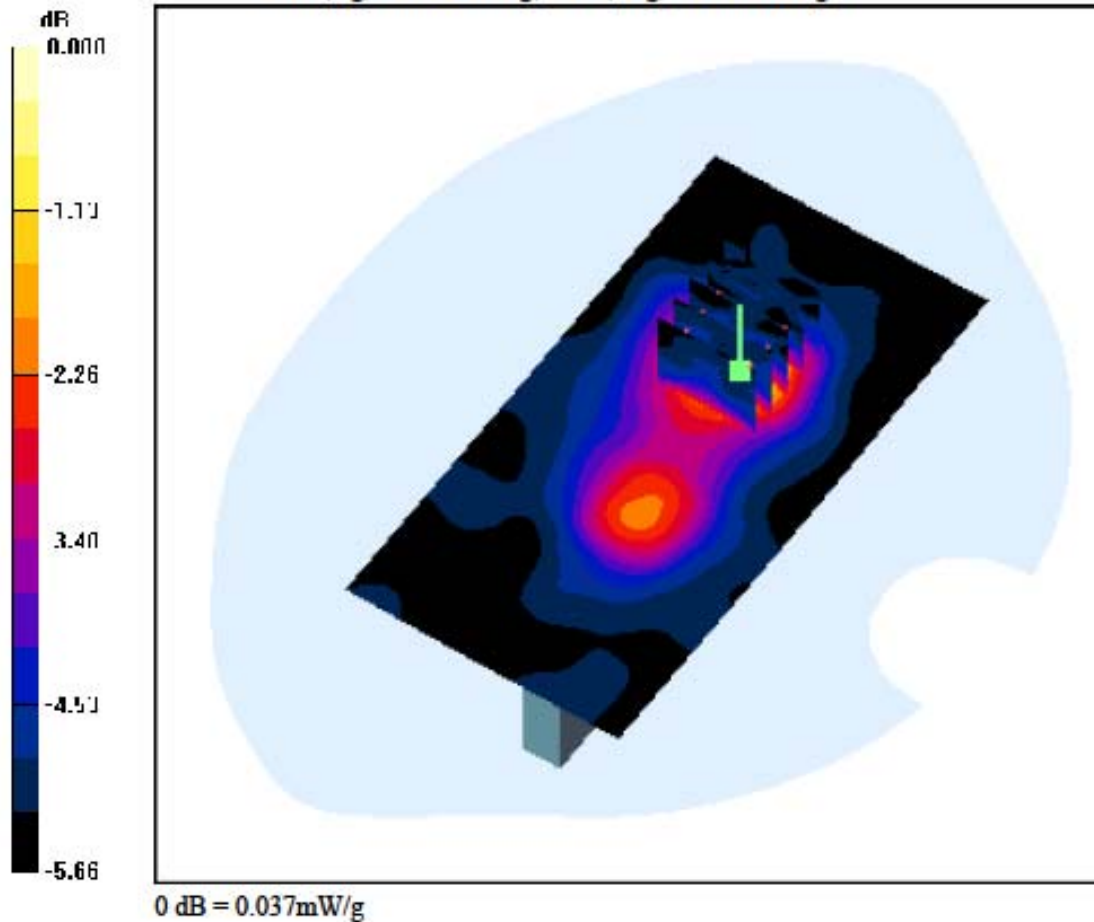
**Area Scan (61x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.058 W/kg

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



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.913 \text{ mho/m}$ ;  $\epsilon_r = 42.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Left Section

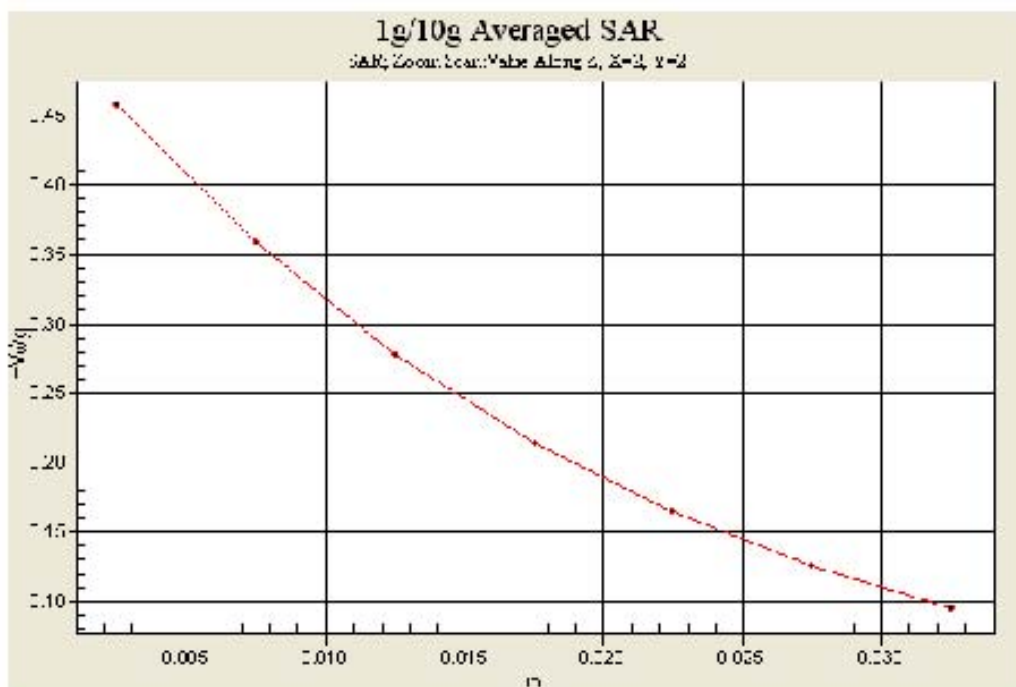
**DASY4 Configuration:**

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

Date: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

**Left Touch, GSM850 Ch. 251, Ant Internal, Standard Battery**

**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 = -0.042 dB  
 Peak SAR (extrapolated) = 0.516 W/kg  
 SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.302 W/kg





**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.984 \text{ mho/m}$ ;  $\epsilon_r = 55.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Flat Section

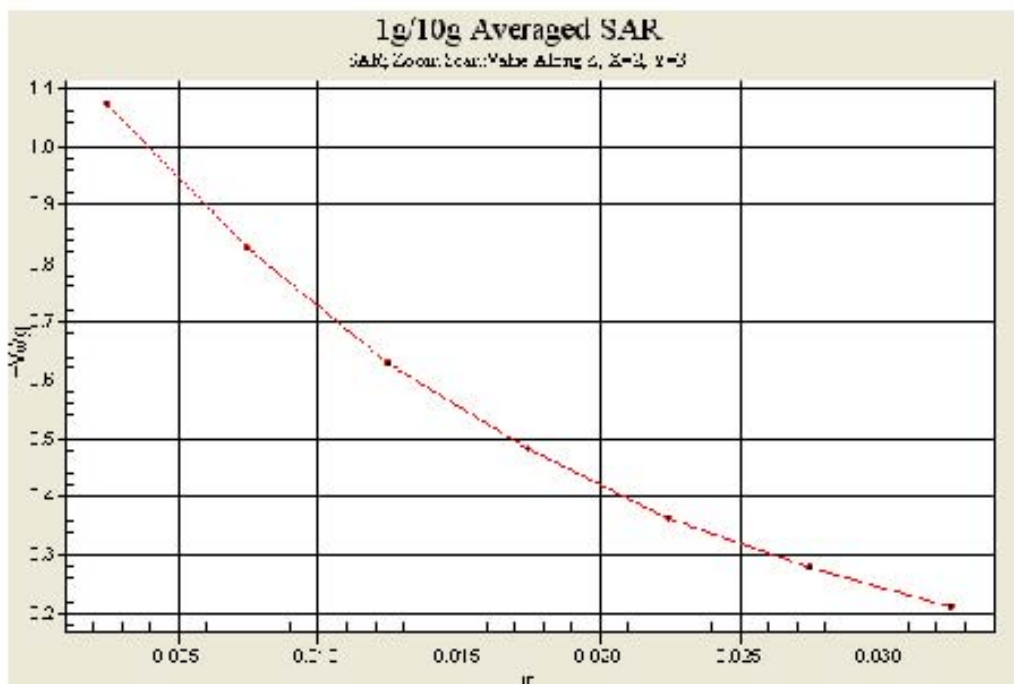
**DASY4 Configuration:**

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: 2011-08-22; Ambient Temp: 22.2; Tissue Temp: 22.4

**1cm space from Body, Rear, GSM850 GPRS Class 12 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 = -0.041 dB  
 Peak SAR (extrapolated) = 1.78 W/kg  
 SAR(1 g) = 0.926 mW/g; SAR(10 g) = 0.697 mW/g



**DIGITAL EMC CO., LTD****DUT: LG-E510; 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;  $\epsilon_r = 41.1$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Left Section

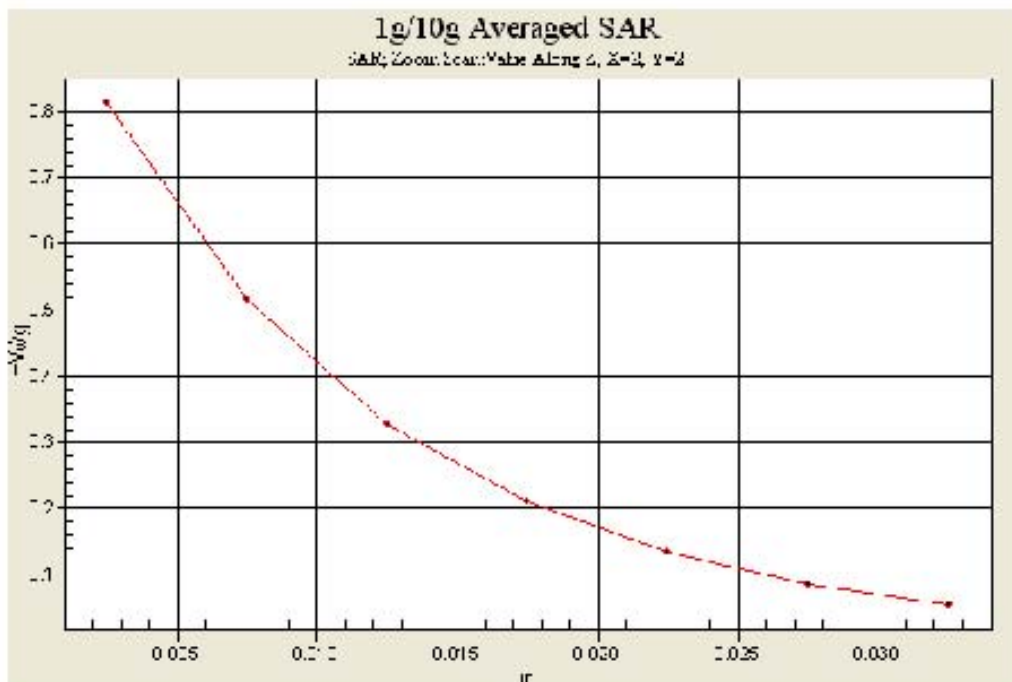
**DASY4 Configuration:**

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

Date: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**Left Touch, PCS1900 Ch. 810, 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 = 0.024 dB  
 Peak SAR (extrapolated) = 1.03 W/kg  
 SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.383 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075  
 Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.55$  mho/m;  $\epsilon_r = 53.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Phantom section: Flat Section

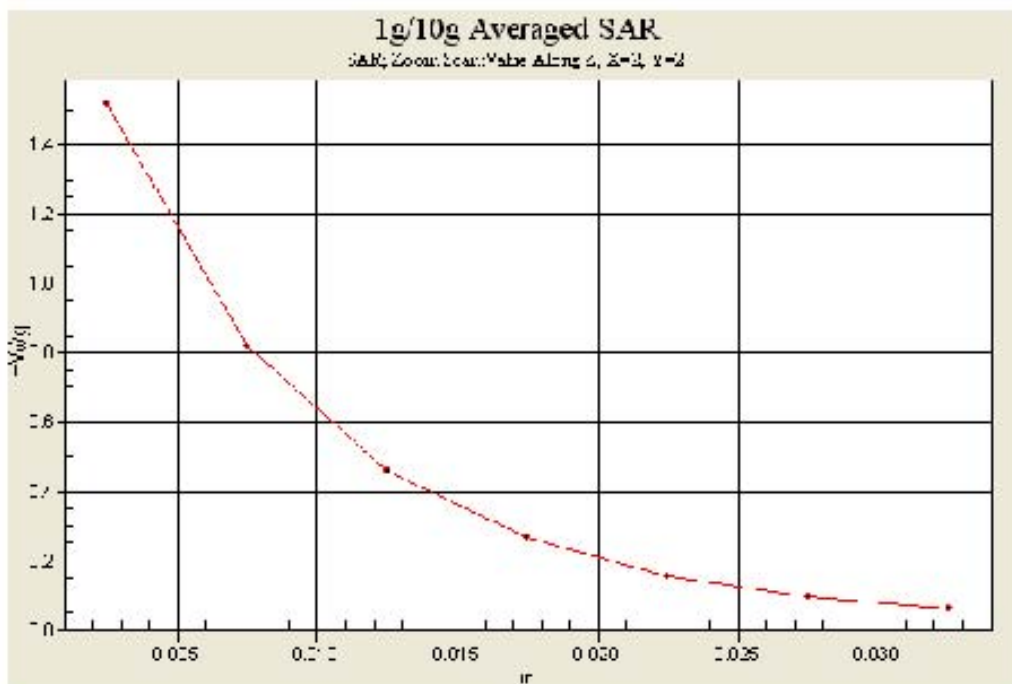
**DASY4 Configuration:**

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: 2011-08-23; Ambient Temp: 22.4; Tissue Temp: 22.7

**1cm space from Body, Rear, PCS1900 GPRS Class 12 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 = -0.059 dB  
 Peak SAR (extrapolated) = 2.09 W/kg  
 SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.624 W/kg



## DIGITAL EMC CO., LTD

**DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.76 \text{ mho/m}$ ;  $\epsilon_r = 38.6$ ;  $\rho = 1000 \text{ kg/m}^3$   
 Phantom section: Right Section

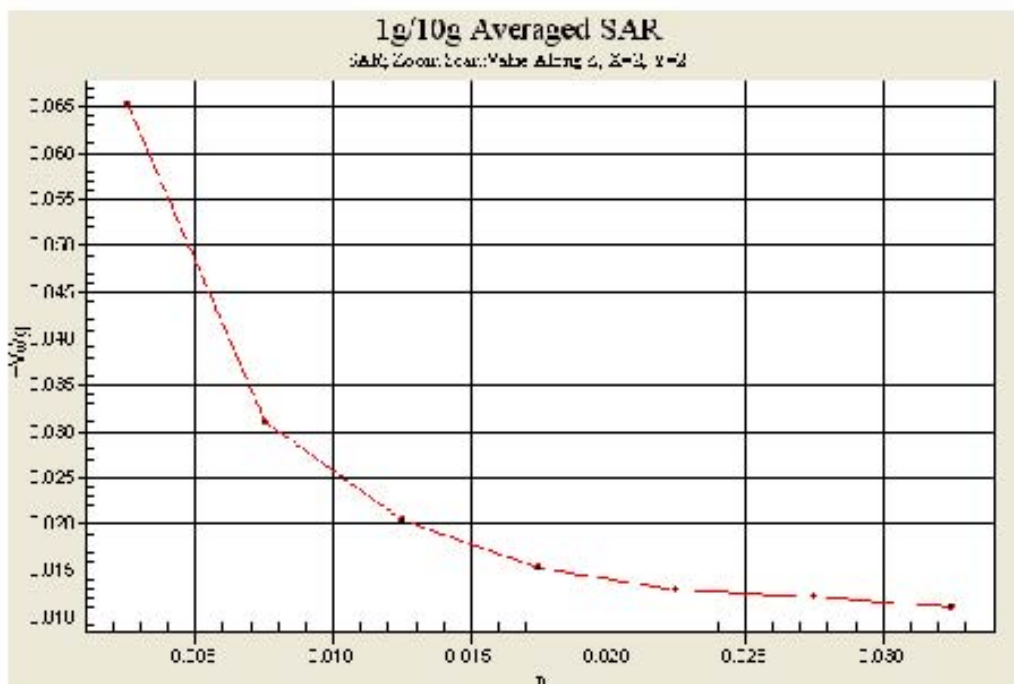
**DASY4 Configuration:**

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

Date: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

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

**Area Scan (71x121x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$   
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
 Power Drift = 0.199 dB  
 Peak SAR (extrapolated) = 0.111 W/kg  
 SAR(1 g) = 0.048 W/kg; SAR(10 g) = 0.027 W/kg



**DIGITAL EMC CO., LTD****DUT: LG-E510; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.99$  mho/m;  $\epsilon_r = 52.9$ ;  $\rho = 1000$  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: 2011-08-24; Ambient Temp: 22.3; Tissue Temp: 22.5

**1cm 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 = -0.170 dB  
 Peak SAR (extrapolated) = 0.108 W/kg  
 SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.030 W/kg

