

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: $f = 835 \text{ MHz}$; $\sigma = 0.909 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Dipole Validation

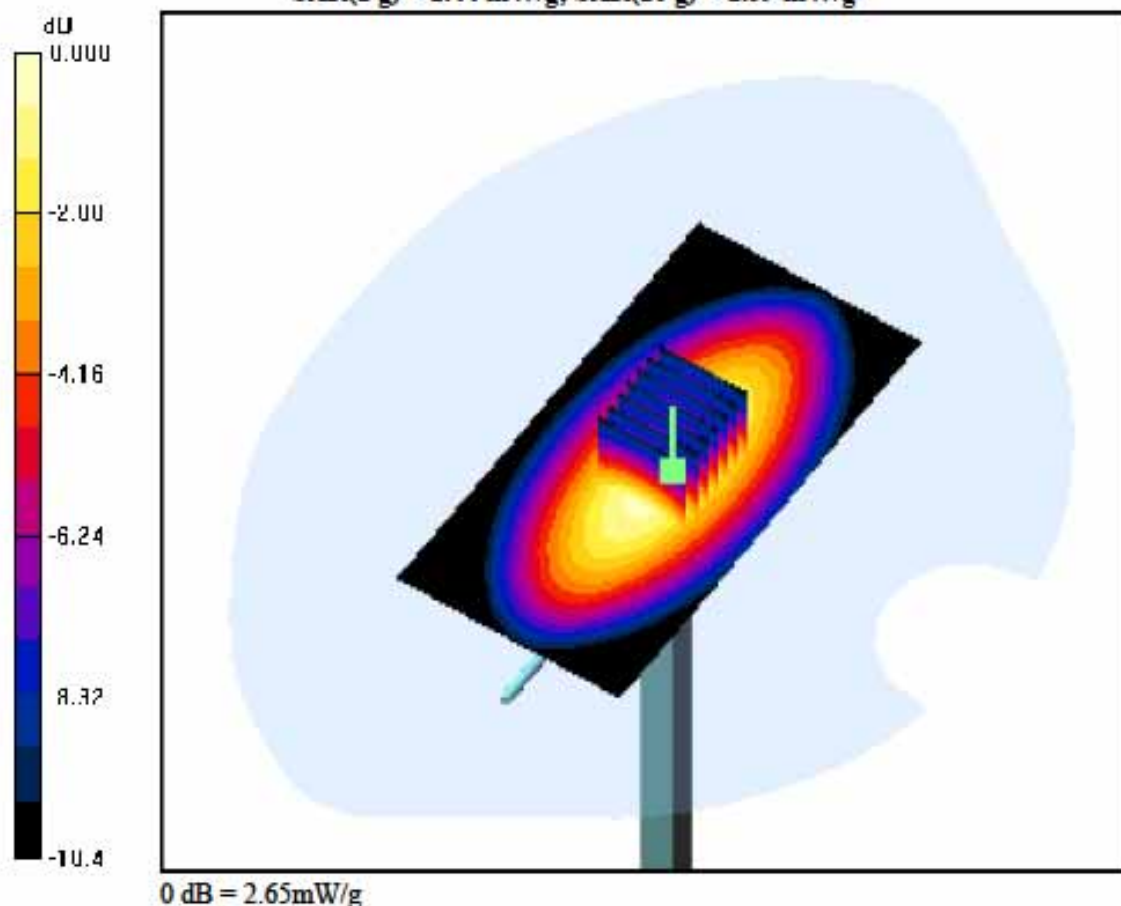
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.021 dB

Peak SAR (extrapolated) = 3.71 W/kg

SAR(1 g) = 2.44 mW/g; SAR(10 g) = 1.59 mW/g



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; $\sigma = 1.43$ mho/m; $\epsilon_r = 40.2$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

Dipole Validation

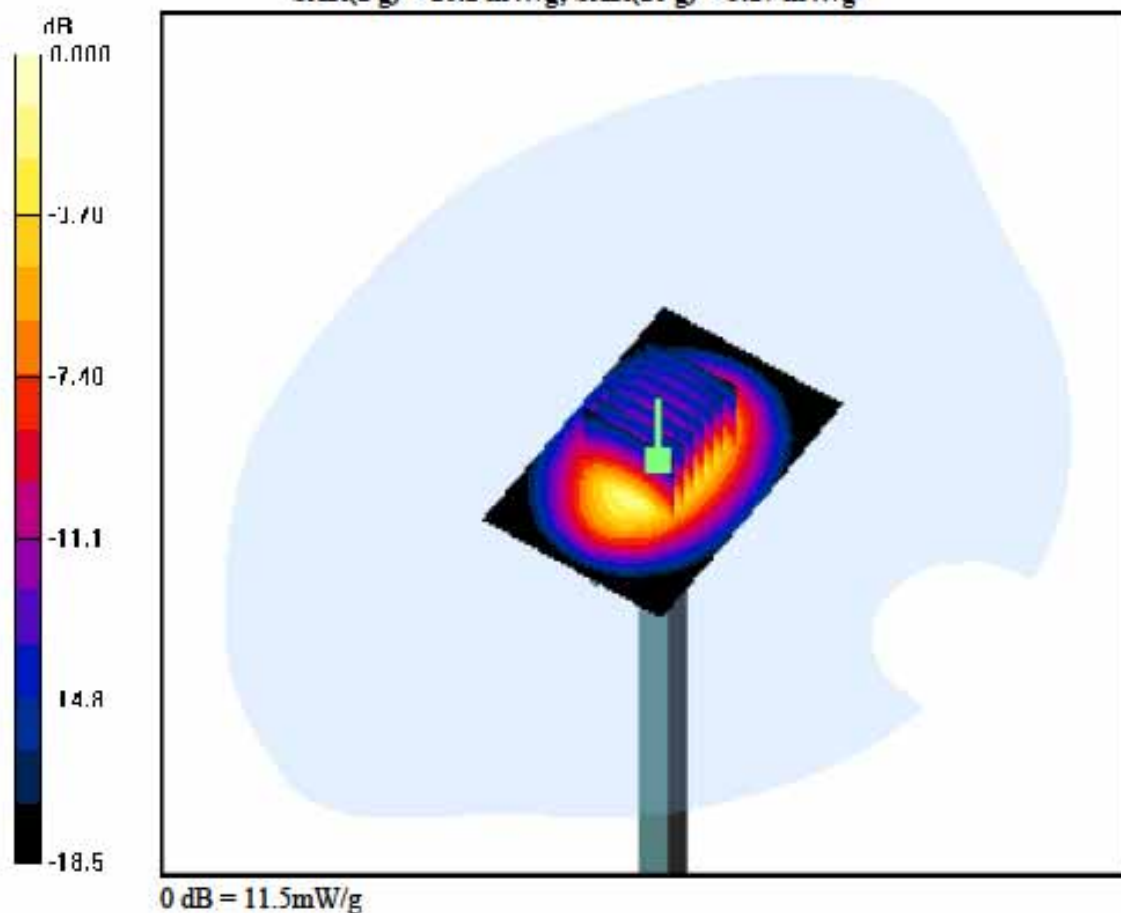
Area Scan (61x91x1): Measurement grid: $dx=10$ mm, $dy=10$ mm

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

Power Drift = 0.036 dB

Peak SAR (extrapolated) = 19.5 W/kg

SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.17 mW/g



Attachment 2. – SAR Test Plots

DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.882 \text{ mho/m}$; $\epsilon_r = 41.7$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section**DASY4 Configuration:**

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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

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

Date: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Left Touch, GSM850 Ch. 128, Ant Internal, Standard Battery

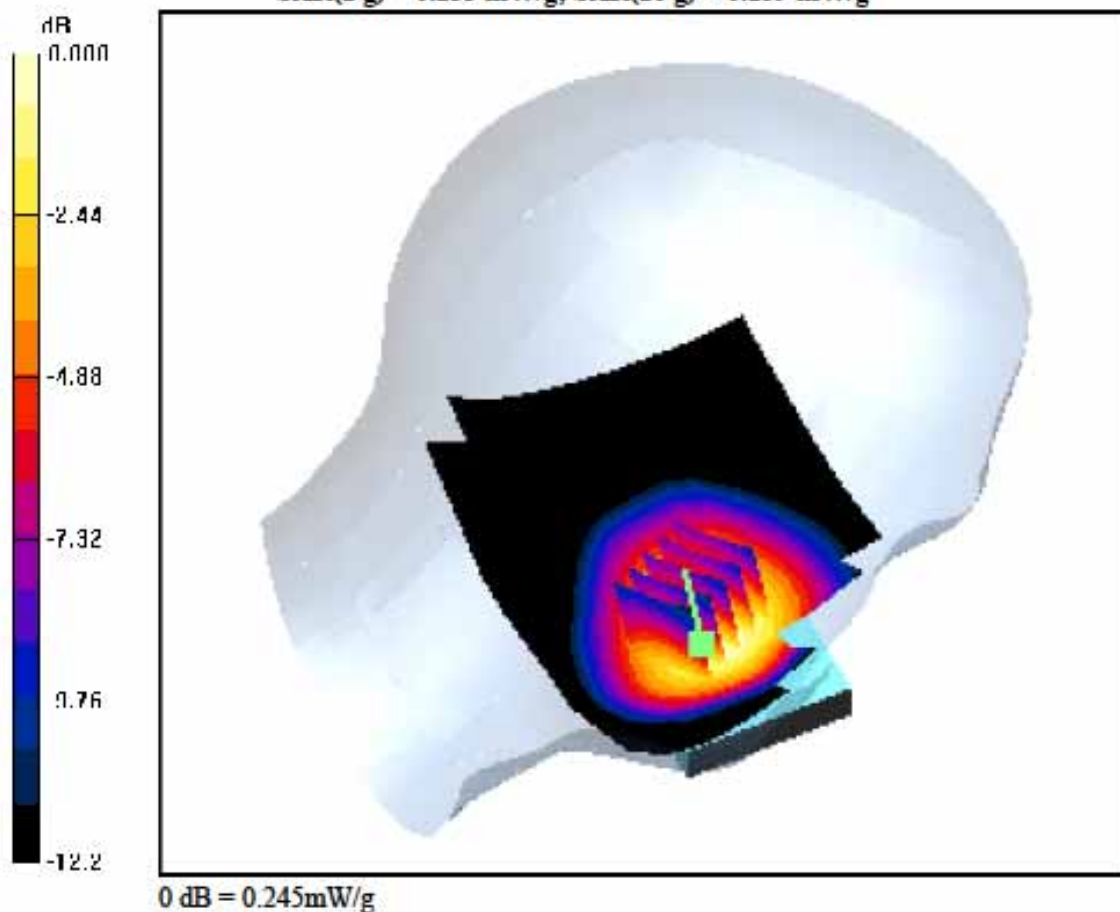
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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) = 0.332 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.159 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.913 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section**DASY4 Configuration:**

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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

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

Date: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery

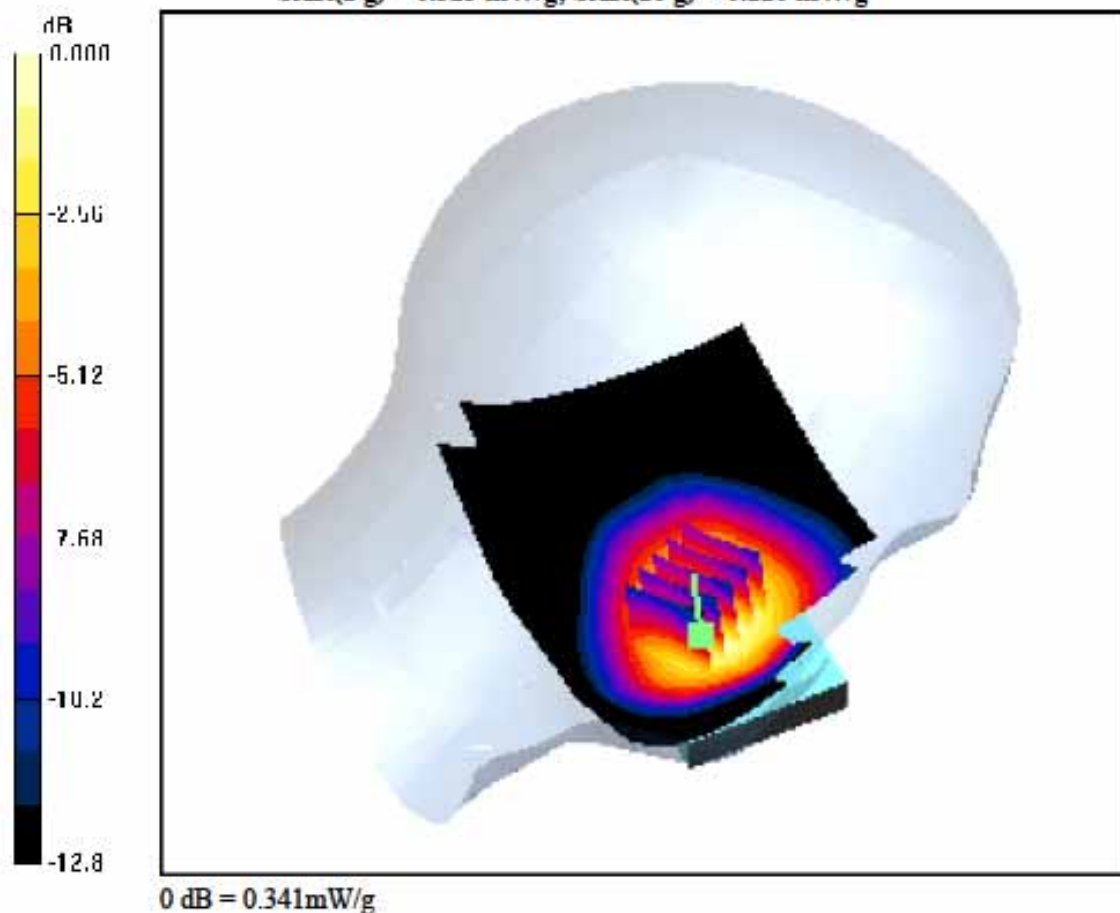
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.052 dB

Peak SAR (extrapolated) = 0.460 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.220 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.927 \text{ mho/m}$; $\epsilon_r = 42$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

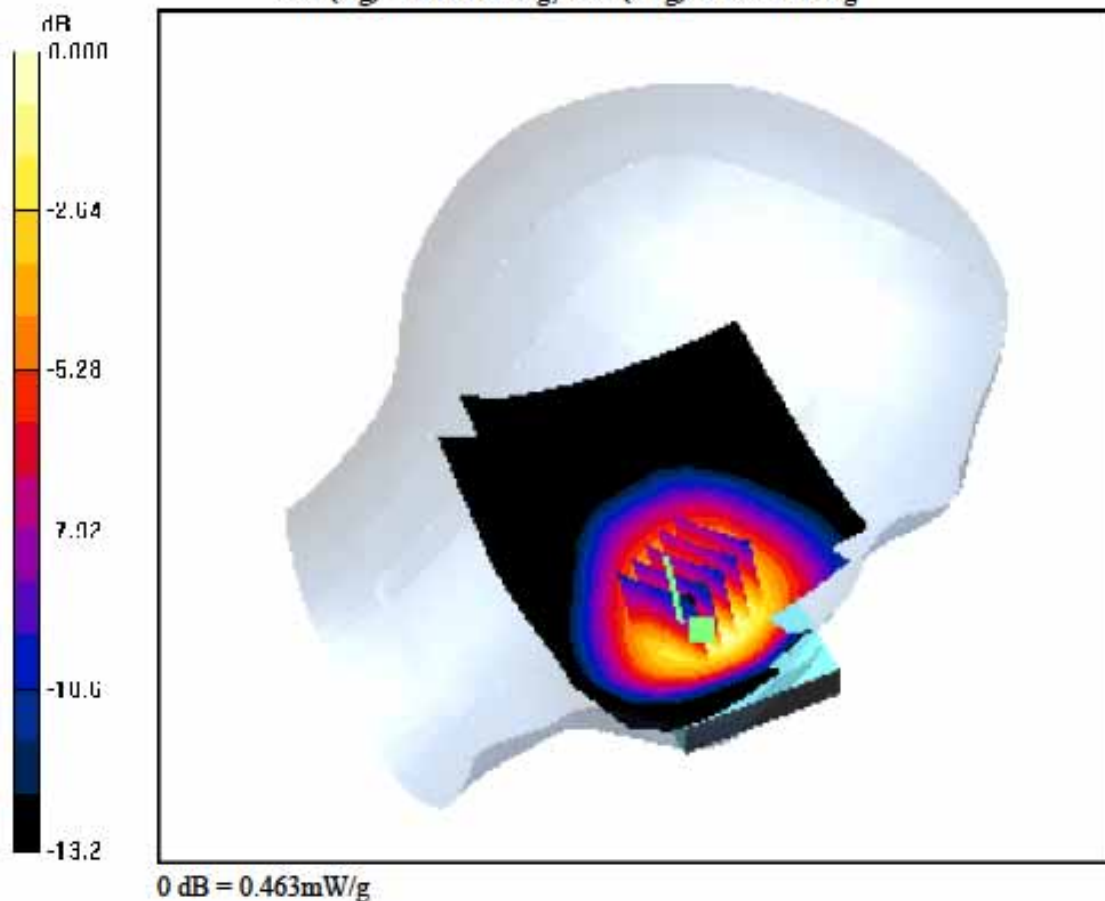
Date: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Left Touch, GSM850 Ch. 251, 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 = -0.030 dB

Peak SAR (extrapolated) = 0.637 W/kg

SAR(1 g) = 0.443 mW/g; SAR(10 g) = 0.299 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.913 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

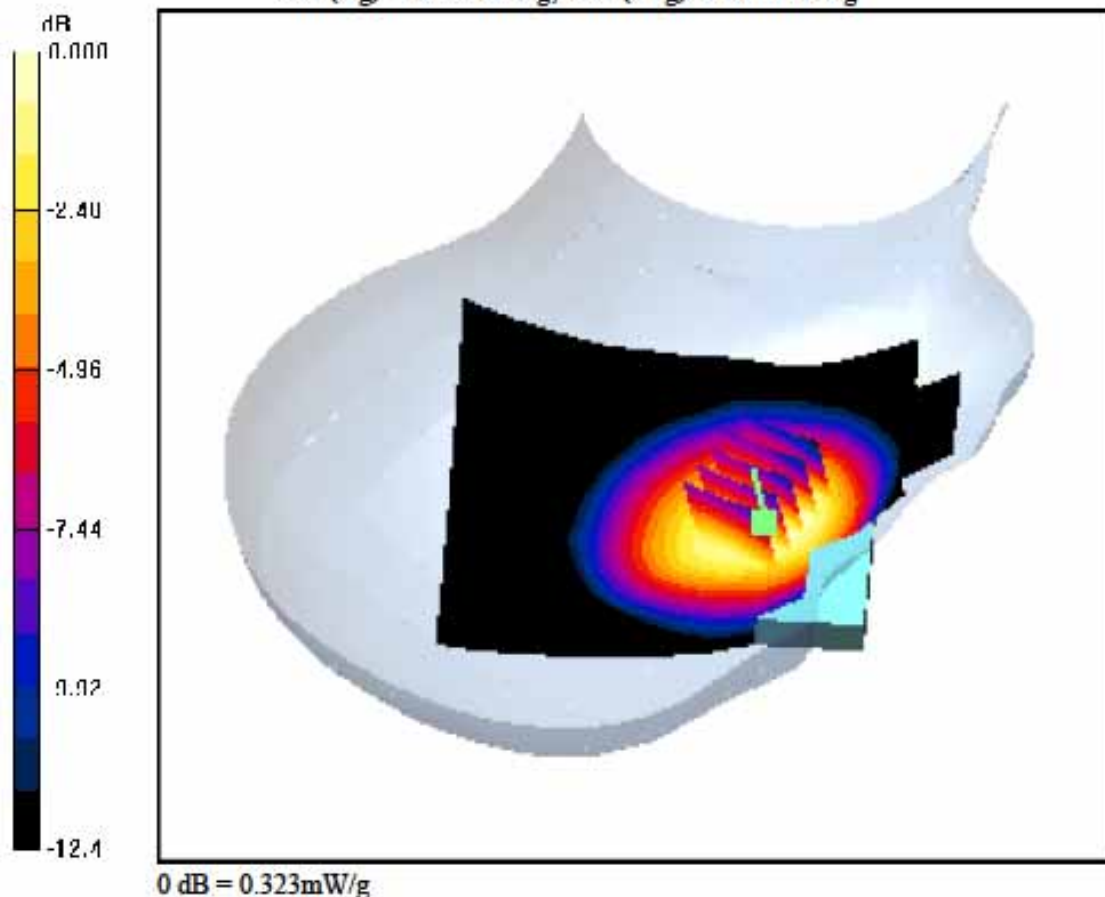
Date: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Right Touch, GSM850 Ch. 190, 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 = -0.241 dB

Peak SAR (extrapolated) = 0.425 W/kg

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.210 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.913 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

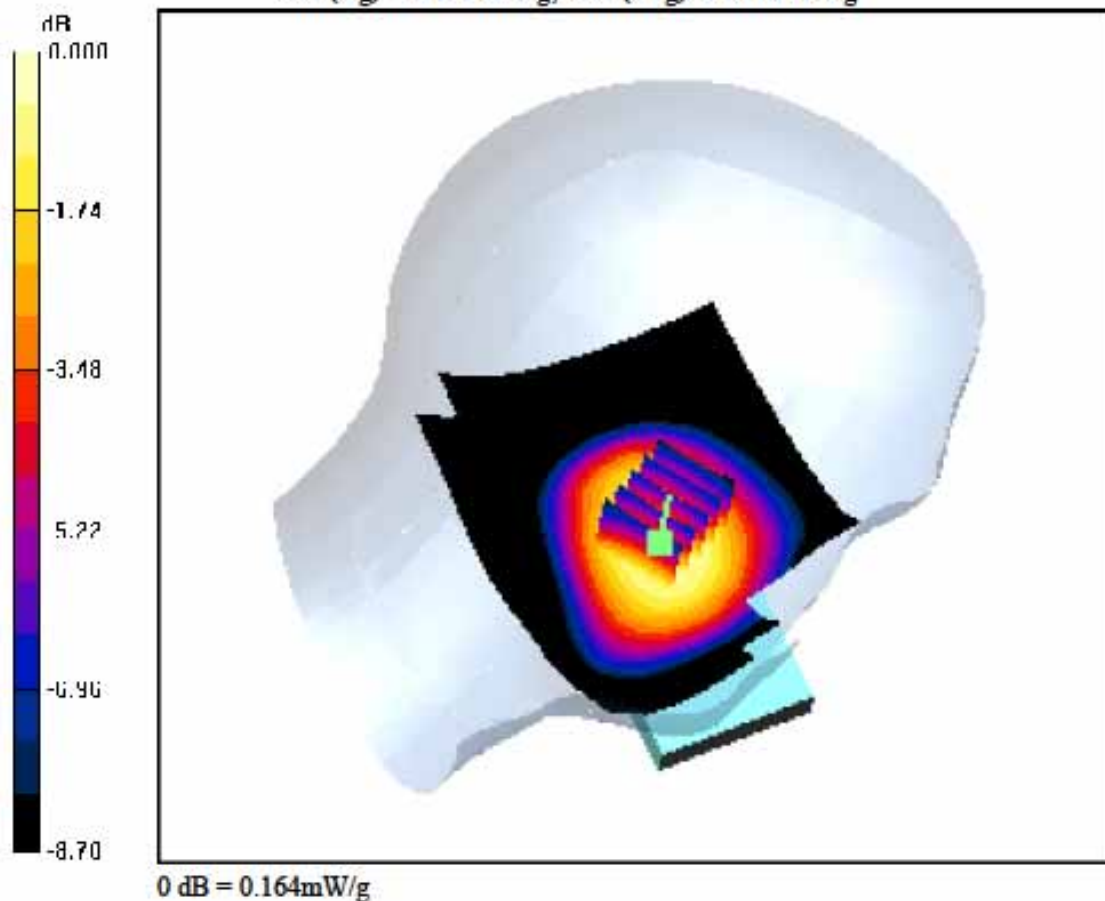
Date: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Left Tilt, GSM850 Ch. 190, 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 = -0.005 dB

Peak SAR (extrapolated) = 0.196 W/kg

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.116 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.913 \text{ mho/m}$; $\epsilon_r = 41.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(6.05, 6.05, 6.05); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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

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

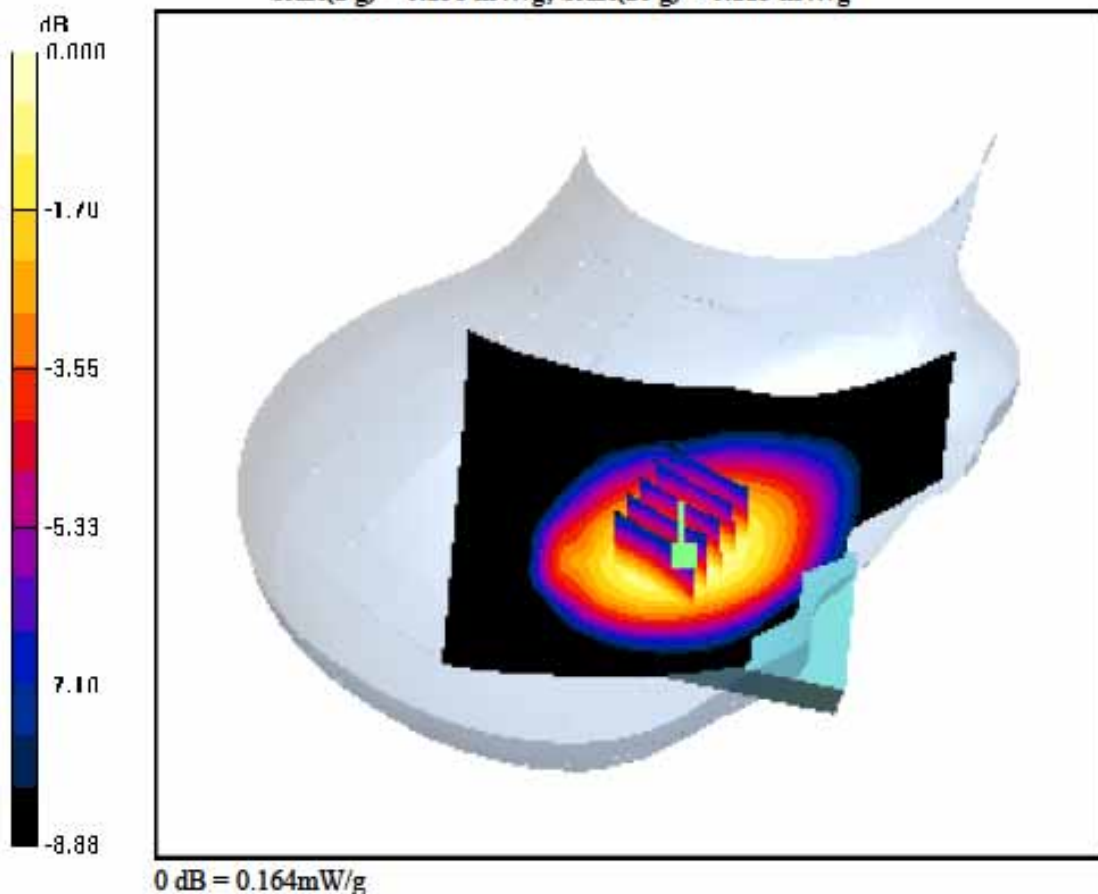
Date: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

Right Tilt, GSM850 Ch. 190, 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 = 0.314 dB

Peak SAR (extrapolated) = 0.200 W/kg

SAR(1 g) = 0.156 mW/g; SAR(10 g) = 0.115 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.35 \text{ mho/m}$; $\epsilon_r = 39.7$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

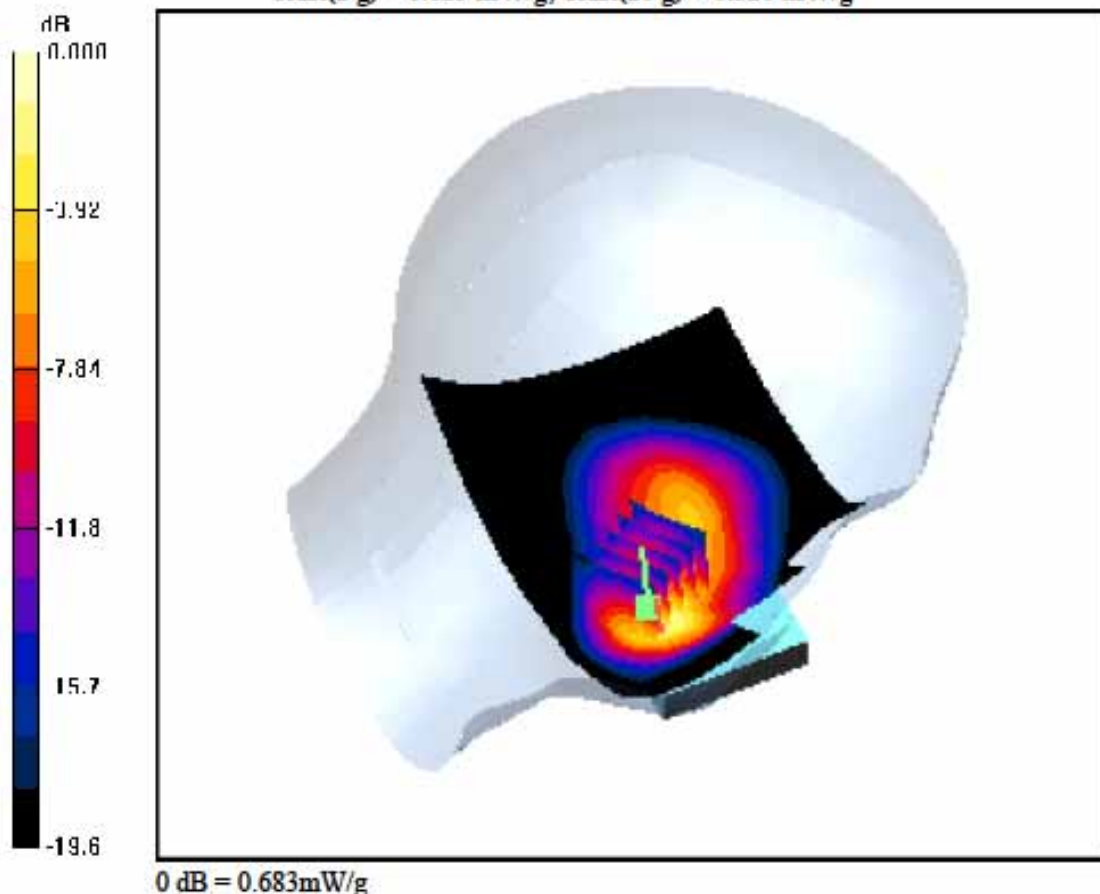
Date: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

Left Touch, PCS1900 Ch. 512, 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 = -0.205 dB

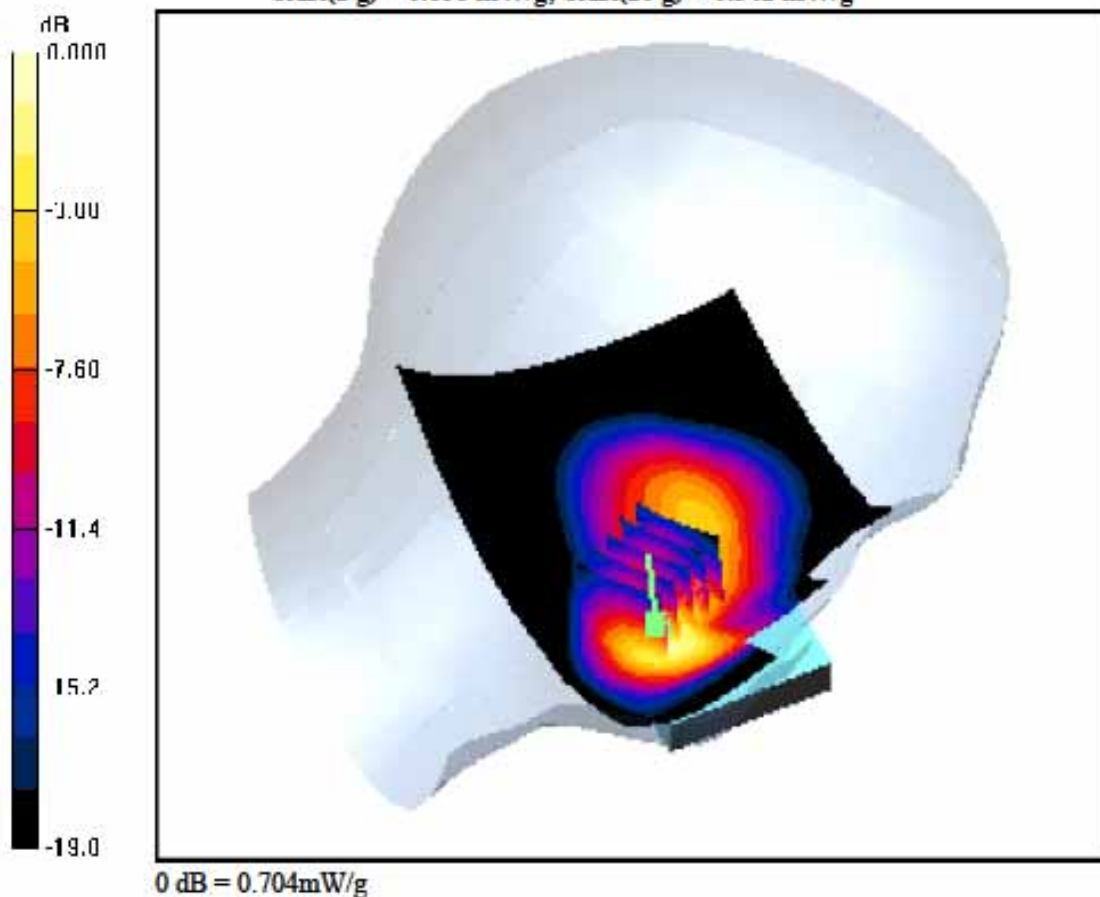
Peak SAR (extrapolated) = 1.10 W/kg

SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.320 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Left Section**DASY4 Configuration:****Probe:** ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911**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:** 2011-02-09; **Ambient Temp:** 22.3; **Tissue Temp:** 22.6**Left Touch, PCS1900 Ch. 661, 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** = -0.063 dB**Peak SAR (extrapolated)** = 1.14 W/kg**SAR(1 g)** = 0.658 mW/g; **SAR(10 g)** = 0.342 mW/g

DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1909.8 \text{ MHz}$; $\sigma = 1.44 \text{ mho/m}$; $\epsilon_r = 40.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

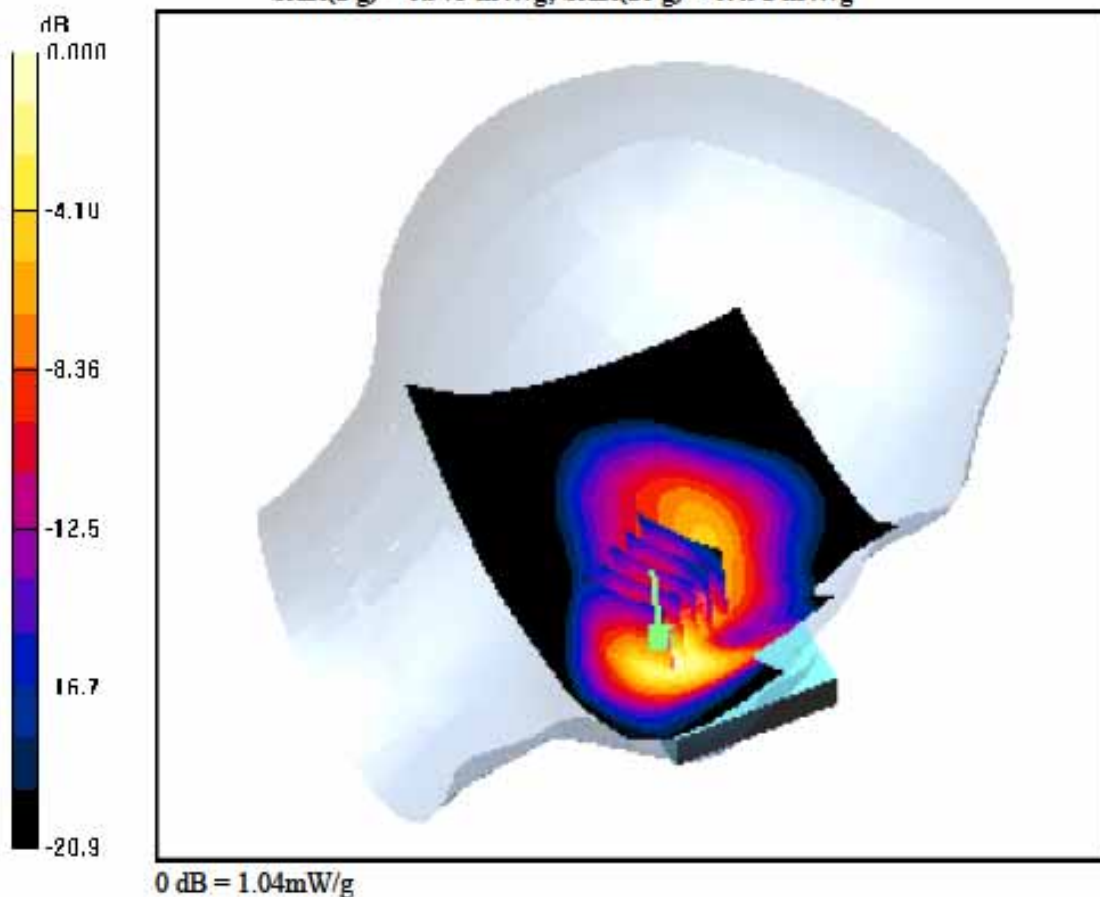
Date: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

Left Touch, PCS1900 Ch. 810, 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 = -0.007 dB

Peak SAR (extrapolated) = 1.76 W/kg

SAR(1 g) = 0.973 mW/g; SAR(10 g) = 0.491 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³

Phantom section: Right Section**DASY4 Configuration:**

Probe: ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

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

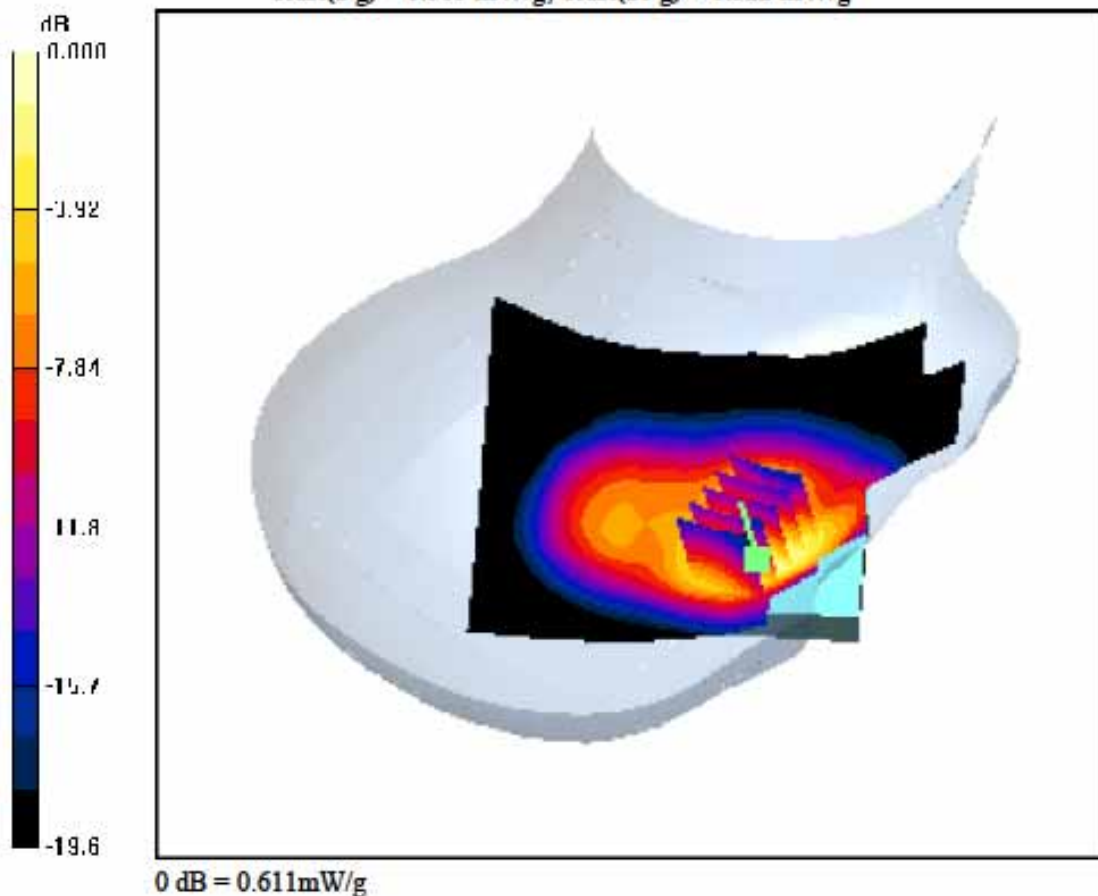
Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.173 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.322 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.8$; $\rho = 1000$ kg/m³
Phantom section: Left Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

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

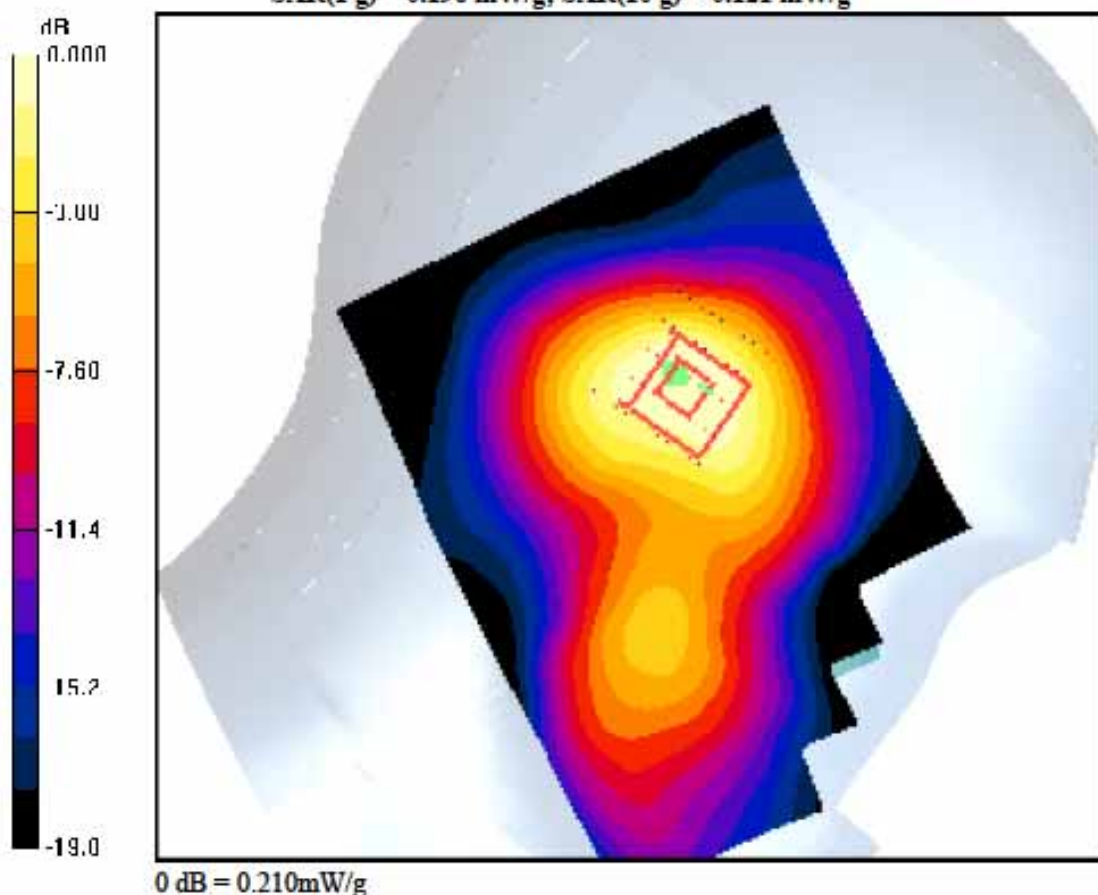
Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.124 dB

Peak SAR (extrapolated) = 0.293 W/kg

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.121 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.39 \text{ mho/m}$; $\epsilon_r = 39.8$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.03, 5.03, 5.03); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

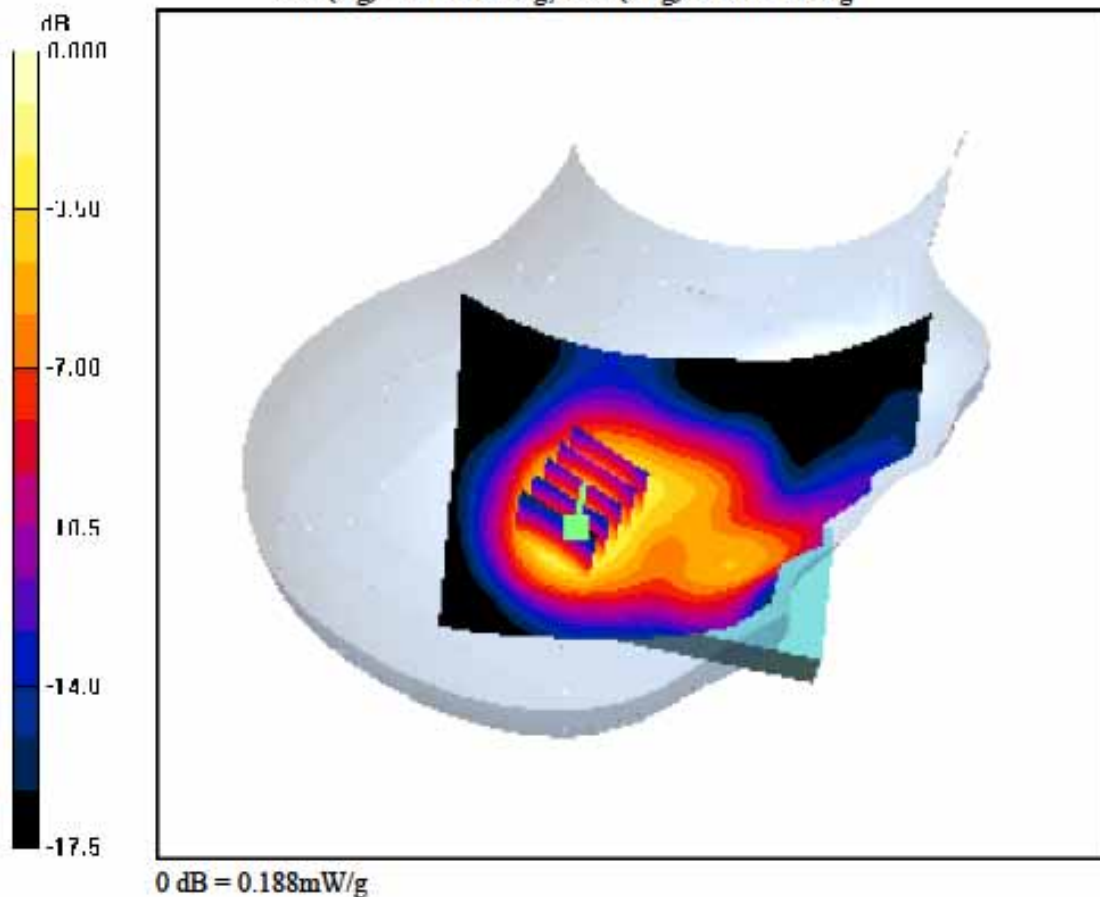
Date: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

Right Tilt, PCS1900 Ch. 661, 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 = 0.092 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.108 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

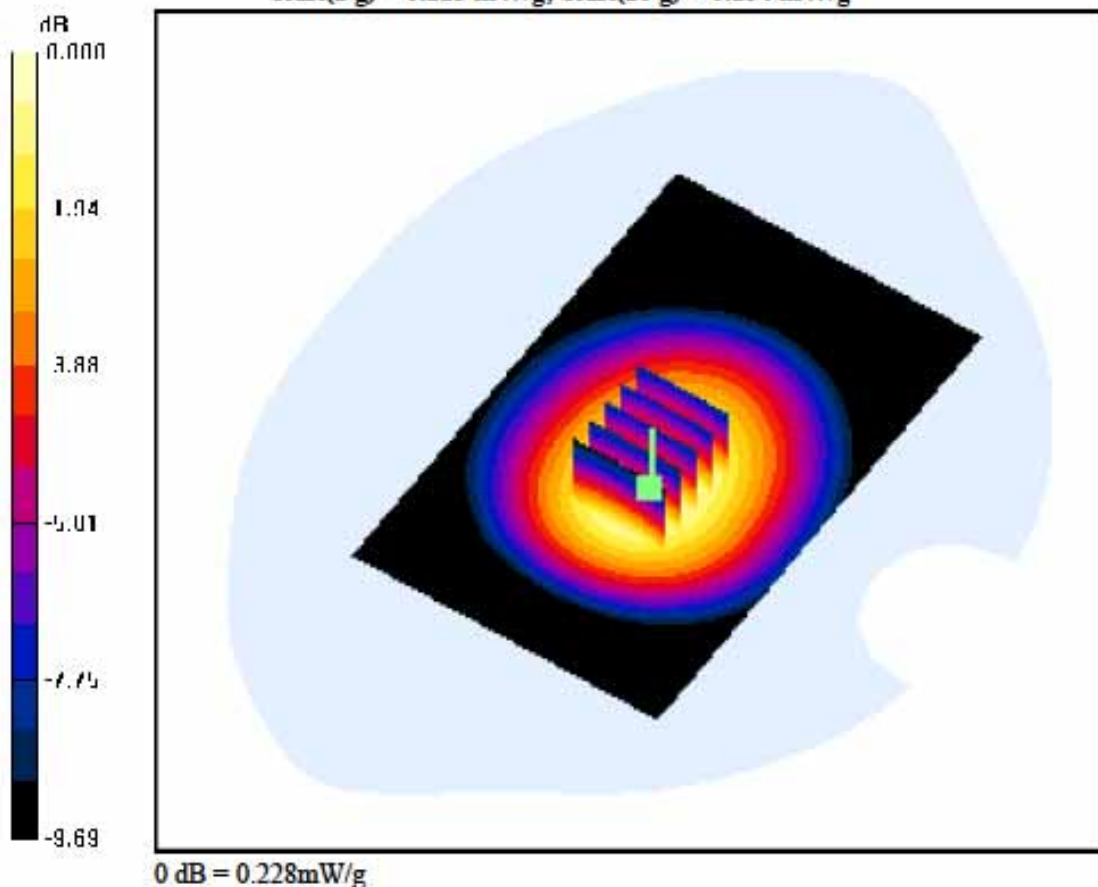
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.053 dB

Peak SAR (extrapolated) = 0.289 W/kg

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.154 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 GPRS Class 8 Ch. 190, Ant Internal

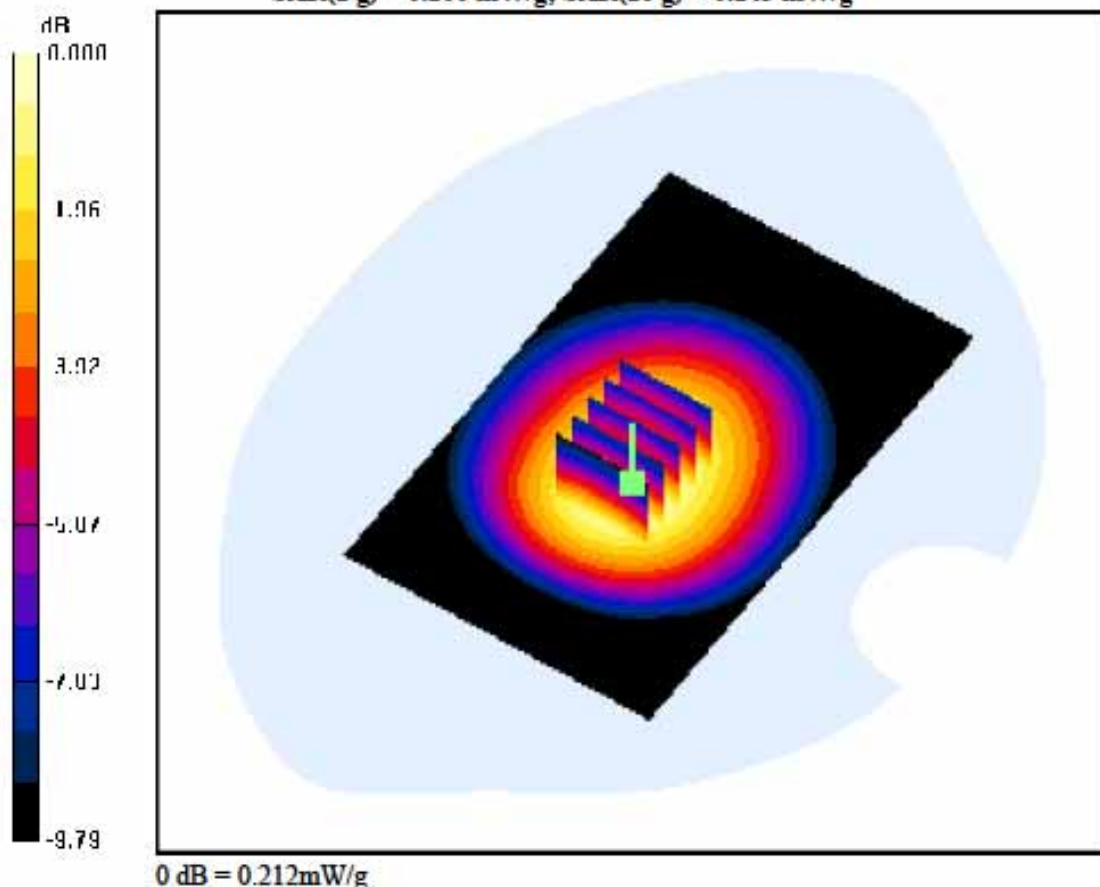
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.016 dB

Peak SAR (extrapolated) = 0.270 W/kg

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.143 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 824.2 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 824.2 \text{ MHz}$; $\sigma = 0.947 \text{ mho/m}$; $\epsilon_r = 54.6$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 128, Ant Internal

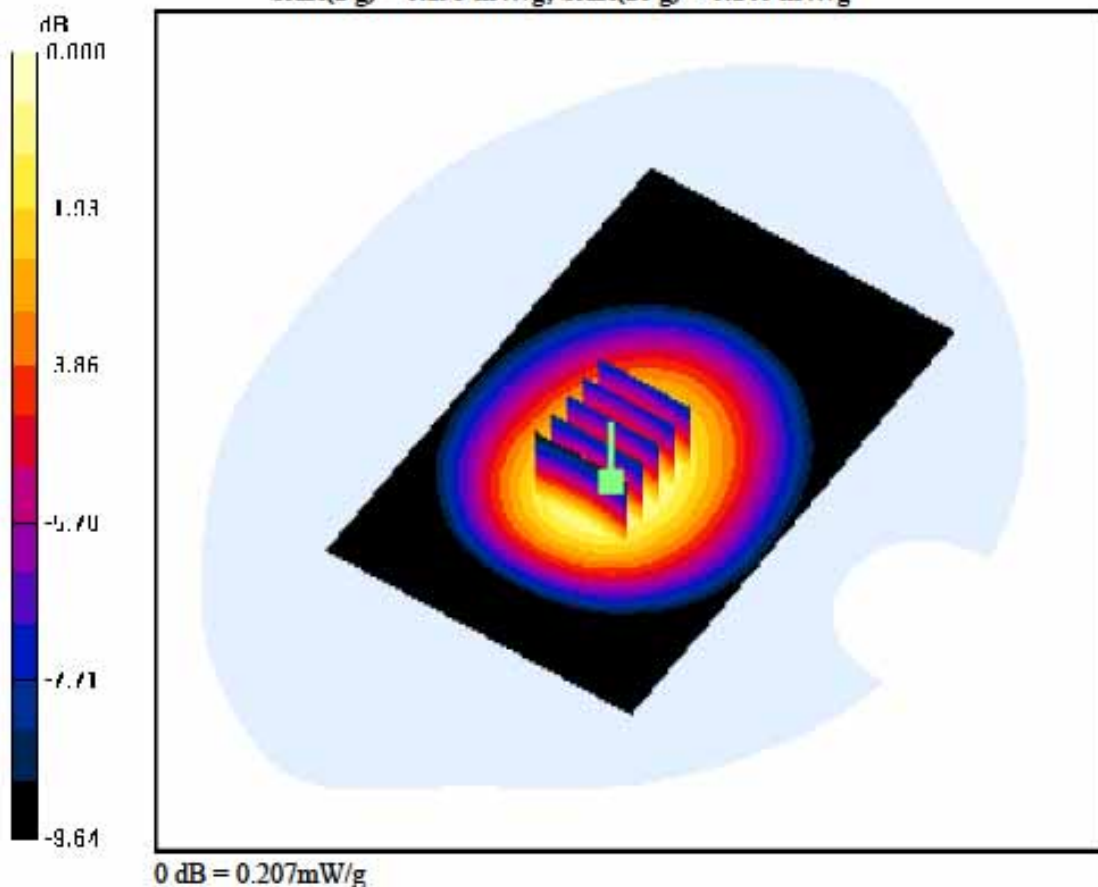
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.028 dB

Peak SAR (extrapolated) = 0.262 W/kg

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.140 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 190, Ant Internal

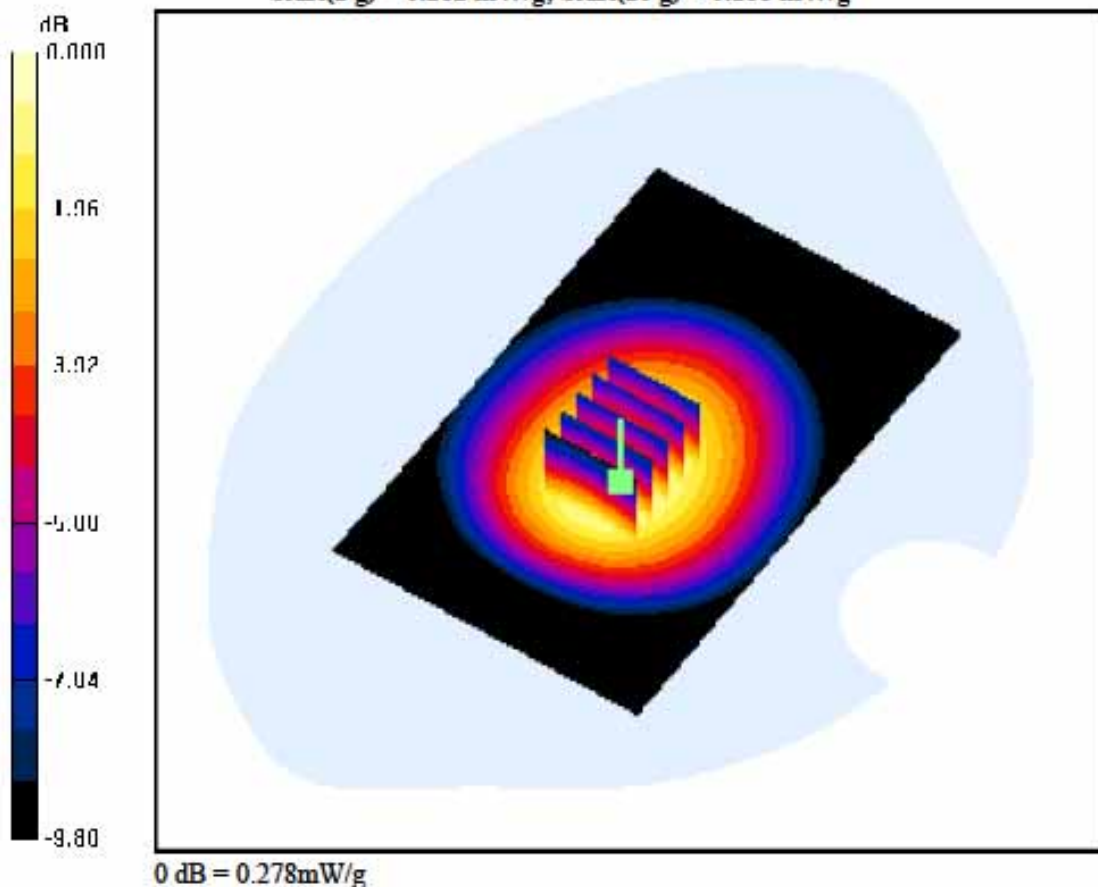
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.351 W/kg

SAR(1 g) = 0.262 mW/g; SAR(10 g) = 0.188 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 848.8 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 848.8 \text{ MHz}$; $\sigma = 0.996 \text{ mho/m}$; $\epsilon_r = 55.1$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 GPRS Class 10 Ch. 251, Ant Internal

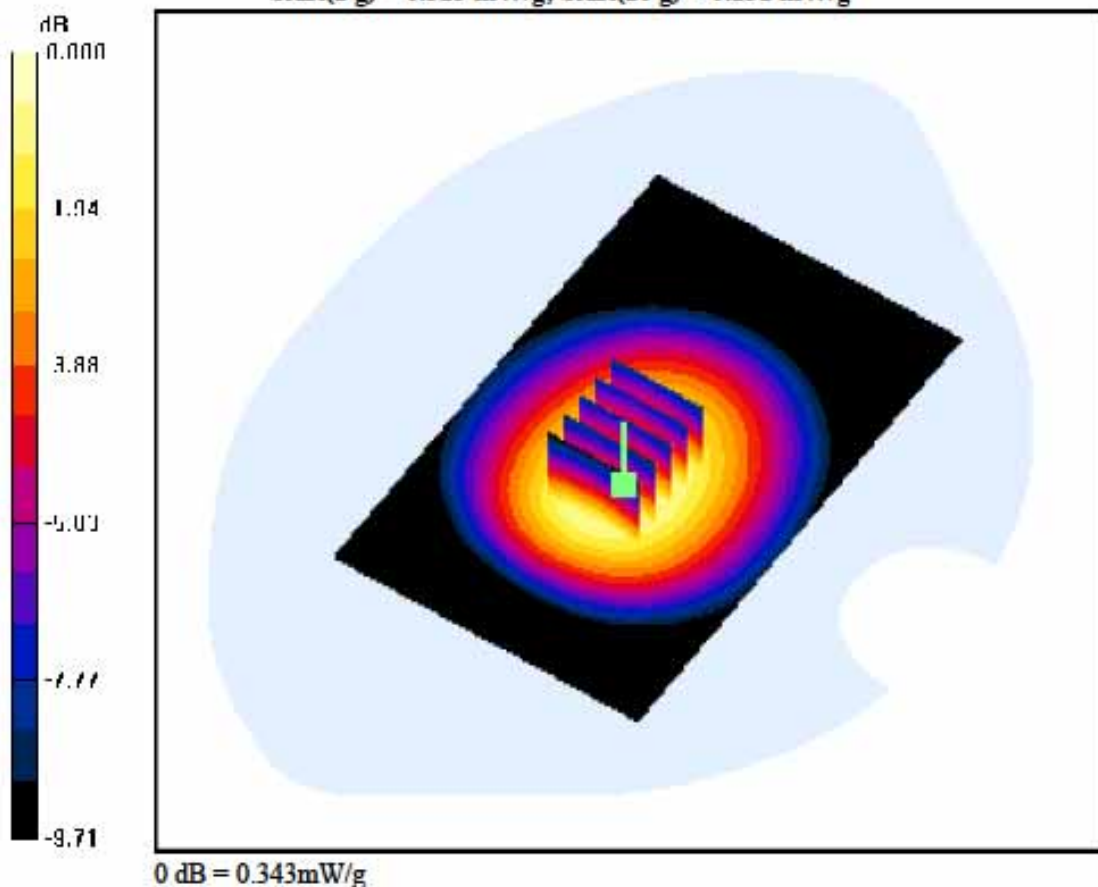
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.031 dB

Peak SAR (extrapolated) = 0.428 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.231 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.77
 Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$
 Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 GPRS Class 11 Ch. 190, Ant Internal

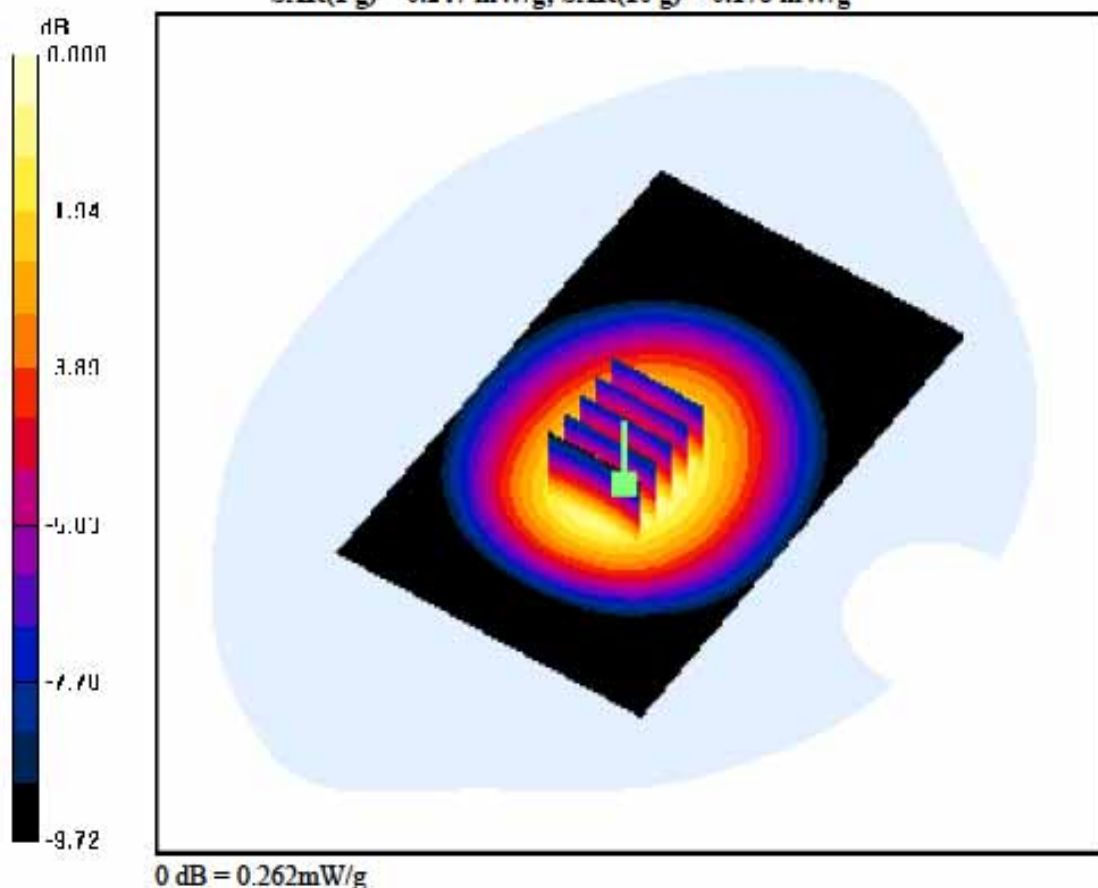
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.330 W/kg

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.178 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:2.075
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-08; Ambient Temp: 22.0; Tissue Temp: 22.3

2cm space from Body, Rear, GSM850 GPRS Class 12 Ch. 190, Ant Internal

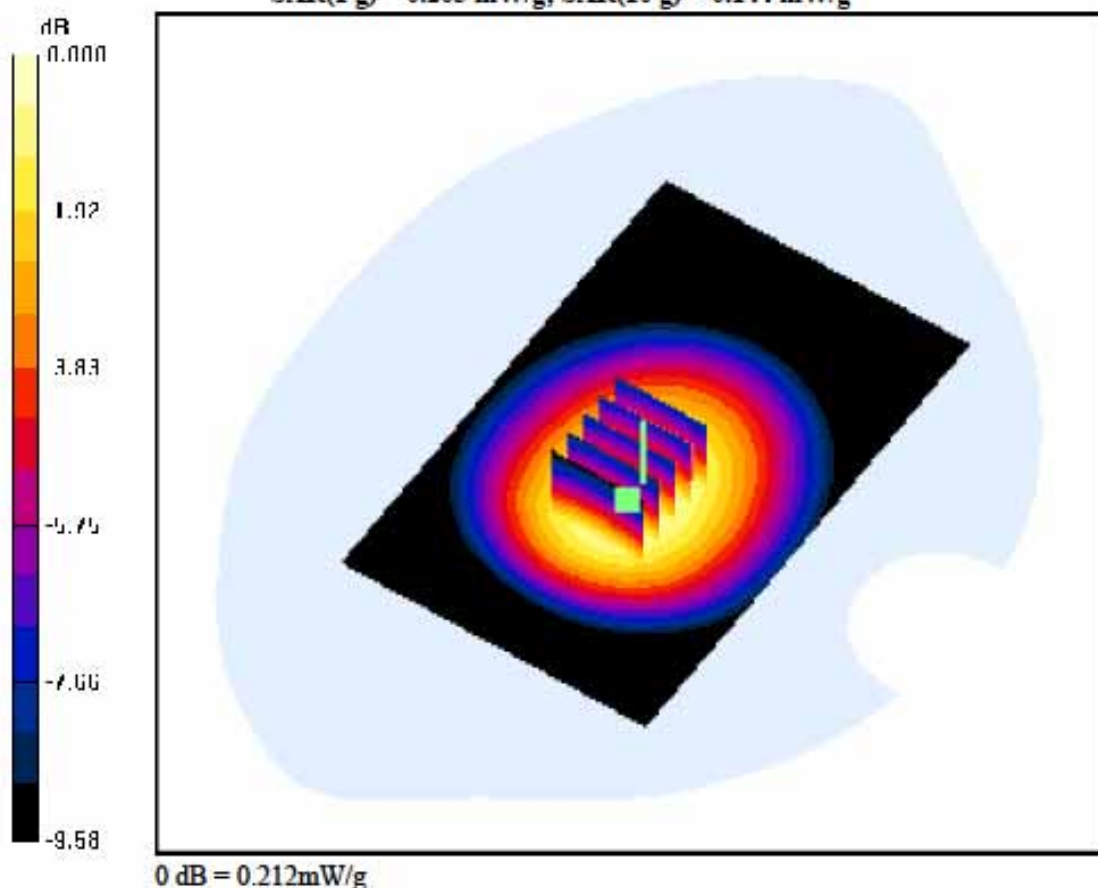
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.074 dB

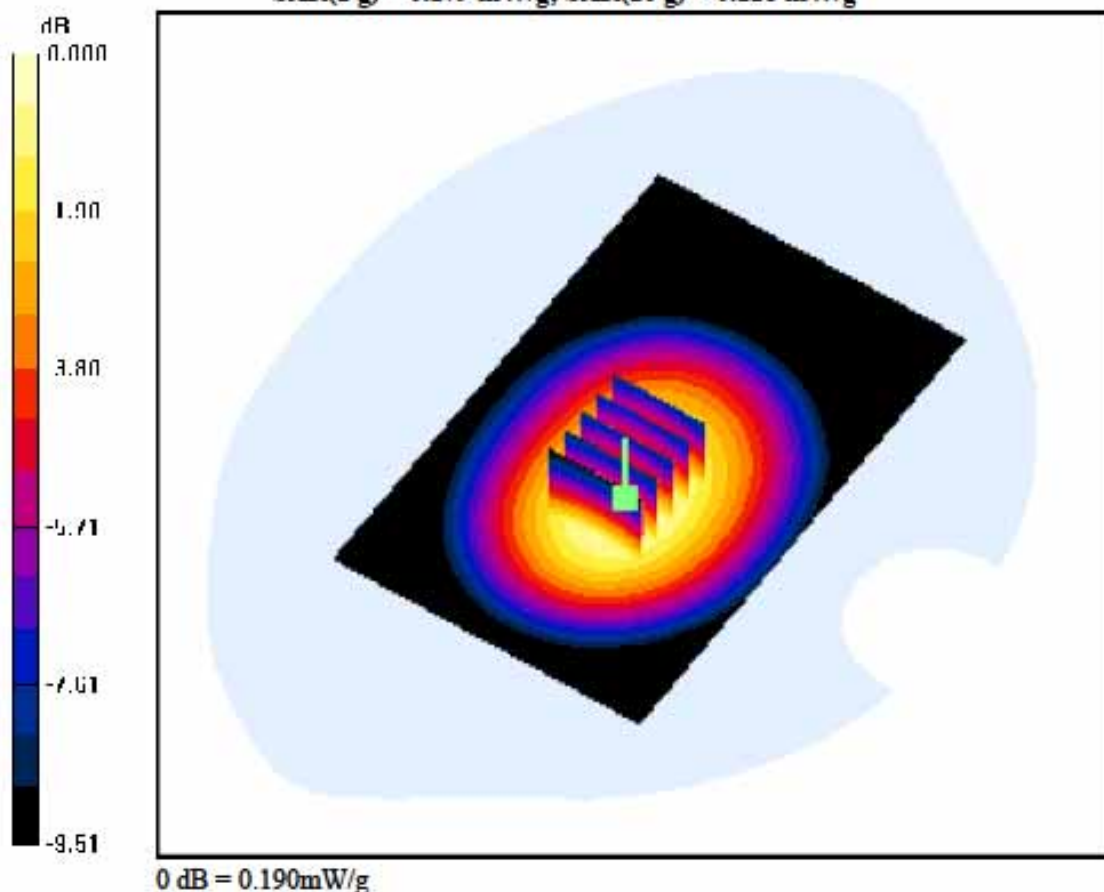
Peak SAR (extrapolated) = 0.357 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.144 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.975 \text{ mho/m}$; $\epsilon_r = 54.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section**DASY4 Configuration:****Probe:** ES3DV3 - SN3123; ConvF(5.98, 5.98, 5.98); Calibrated: 2010-11-22; Electronics: DAE4 Sn911**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:** 2011-02-08; **Ambient Temp:** 22.0; **Tissue Temp:** 22.3**2cm space from Body, Front, 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** = 0.013 dB**Peak SAR (extrapolated)** = 0.242 W/kg**SAR(1 g)** = 0.179 mW/g; **SAR(10 g)** = 0.128 mW/g

DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.7, 4.7, 4.7); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

2cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

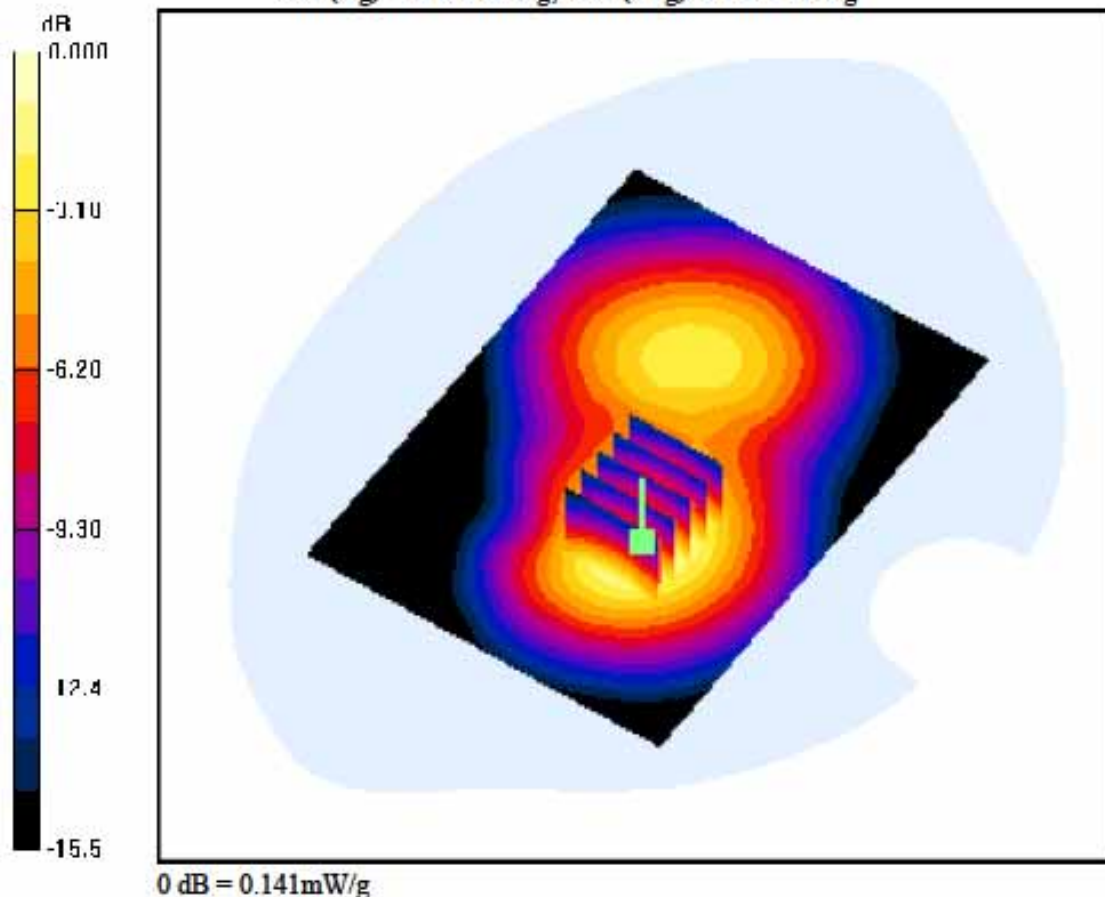
Area Scan (81x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.065 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.078 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.53 \text{ mho/m}$; $\epsilon_r = 52.4$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section**DASY4 Configuration:**

Probe: ES3DV3 - SN3123; ConvF(4.7, 4.7, 4.7); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

2cm space from Body, Rear, PCS1900 GPRS Class 8 Ch. 661, Ant Internal

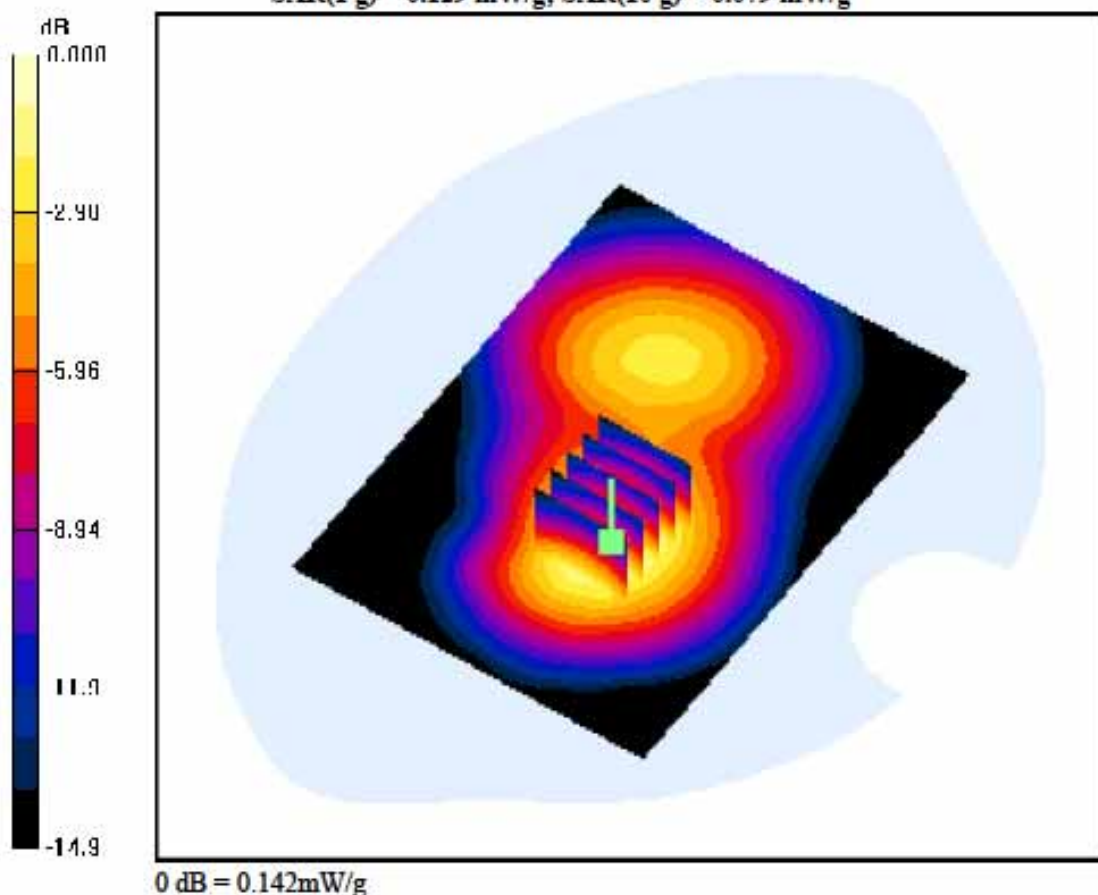
Area Scan (81x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.019 dB

Peak SAR (extrapolated) = 0.194 W/kg

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.079 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:4.15
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section**DASY4 Configuration:**

Probe: ES3DV3 - SN3123; ConvF(4.7, 4.7, 4.7); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

2cm space from Body, Rear, PCS1900 GPRS Class 10 Ch. 661, Ant Internal

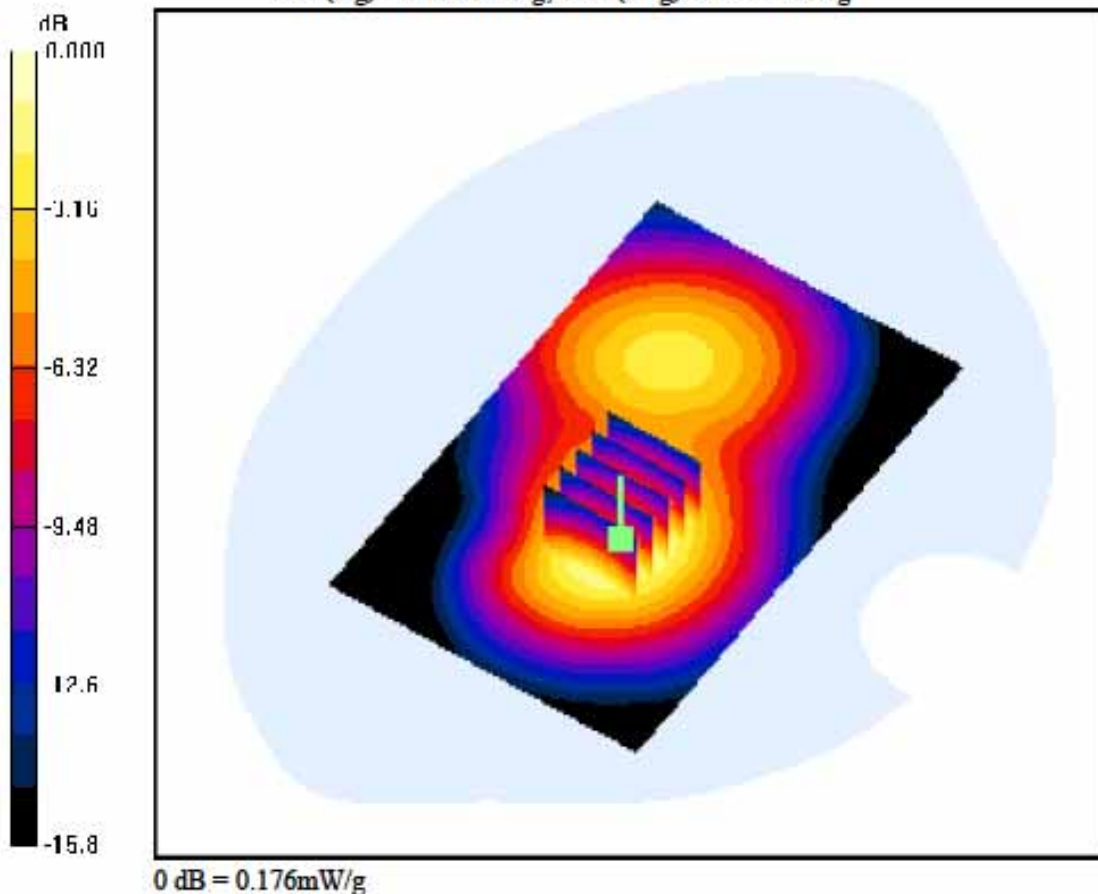
Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.242 W/kg

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.098 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r = 52.3$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3123; ConvF(4.7, 4.7, 4.7); Calibrated: 2010-11-22; Electronics: DAE4 Sn911
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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

2cm space from Body, Rear, PCS1900 GPRS Class 11 Ch. 512, Ant Internal

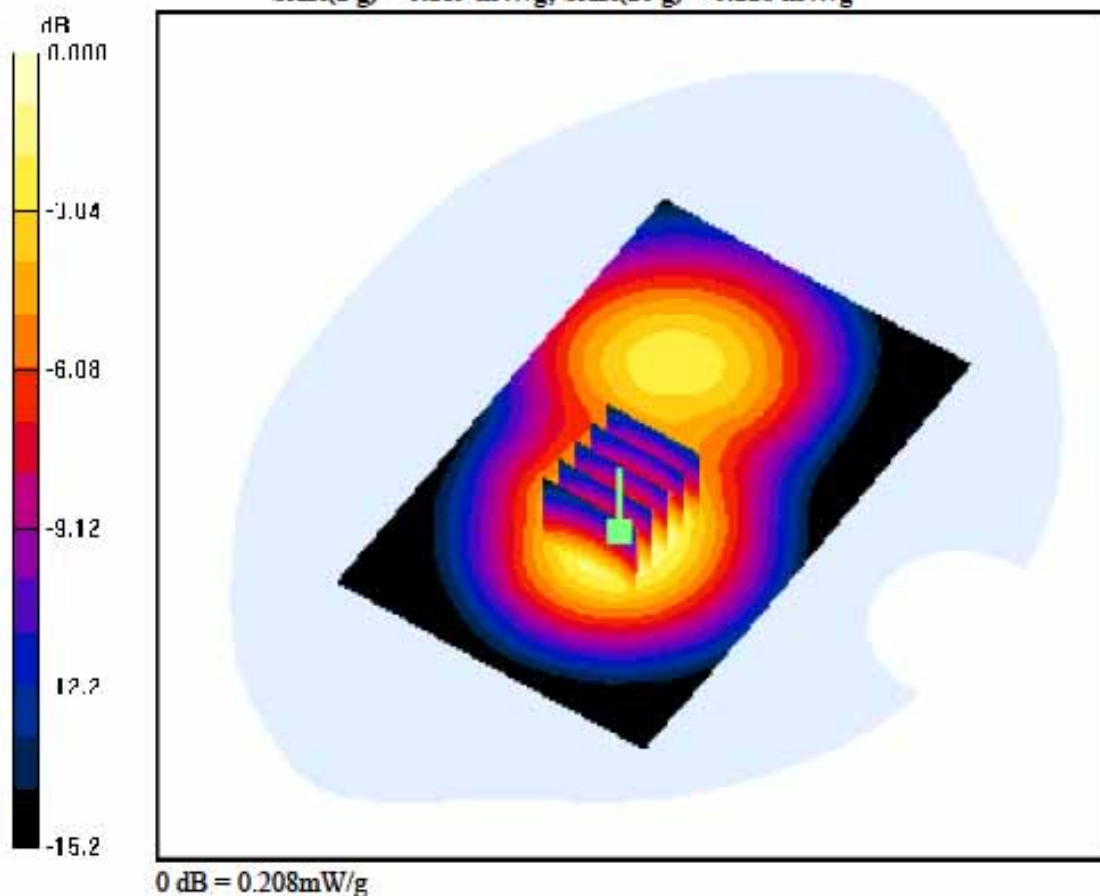
Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.116 mW/g



DIGITAL EMC CO., LTD**DUT: LG-T500; Type: Bar**

Communication System: PCS1900; Frequency: 1880 MHz; Duty Cycle: 1:2.77
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.53$ mho/m; $\epsilon_r = 52.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section**DASY4 Configuration:**

Probe: ES3DV3 - SN3123; ConvF(4.7, 4.7, 4.7); Calibrated: 2010-11-22; Electronics: DAE4 Sn911

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: 2011-02-09; Ambient Temp: 22.3; Tissue Temp: 22.6

2cm space from Body, Rear, PCS1900 GPRS Class 11 Ch. 661, Ant Internal

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

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

Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.352 W/kg

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.143 mW/g

