

## SAR Test Plots

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

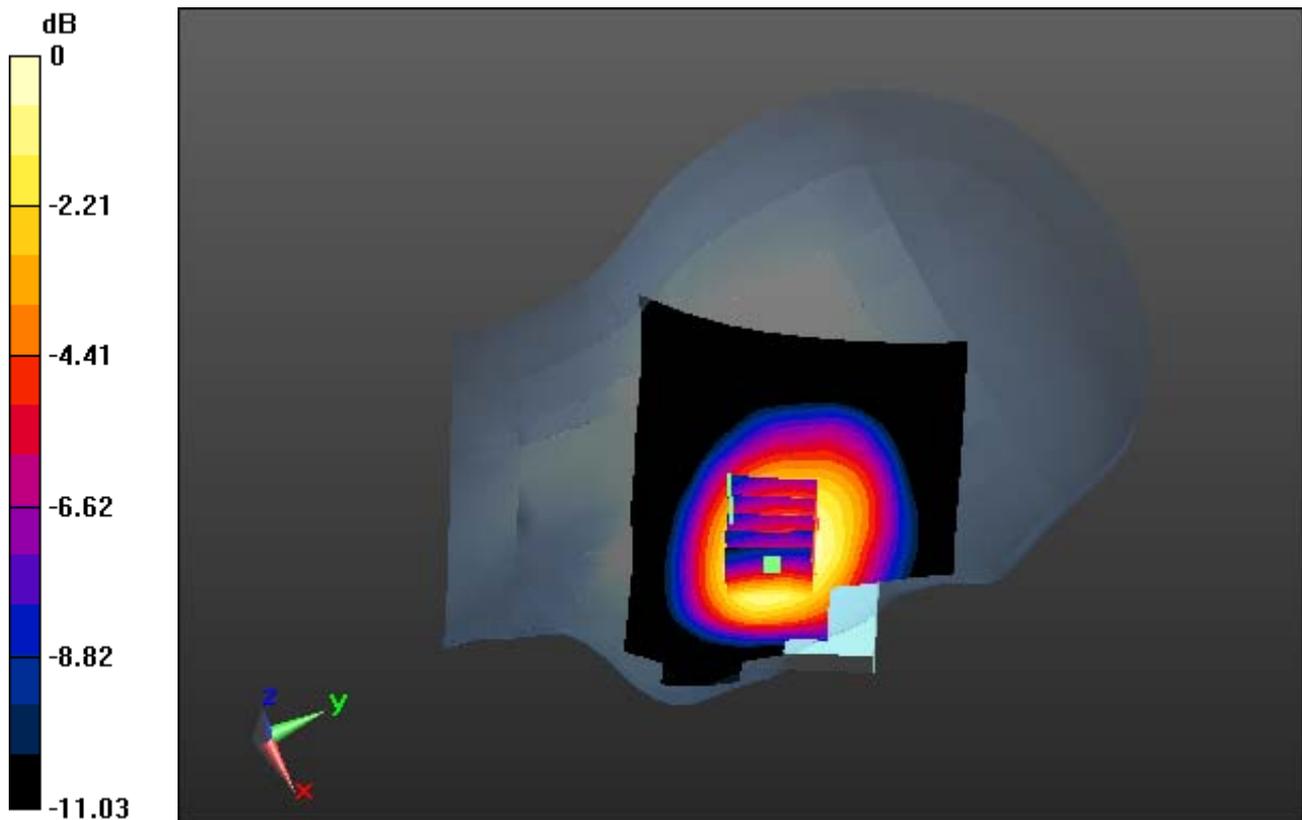
**Left Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.569 mW/g

SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.313 W/kg



0 dB = 0.490 mW/g

# DIGITAL EMC CO., LTD

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Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

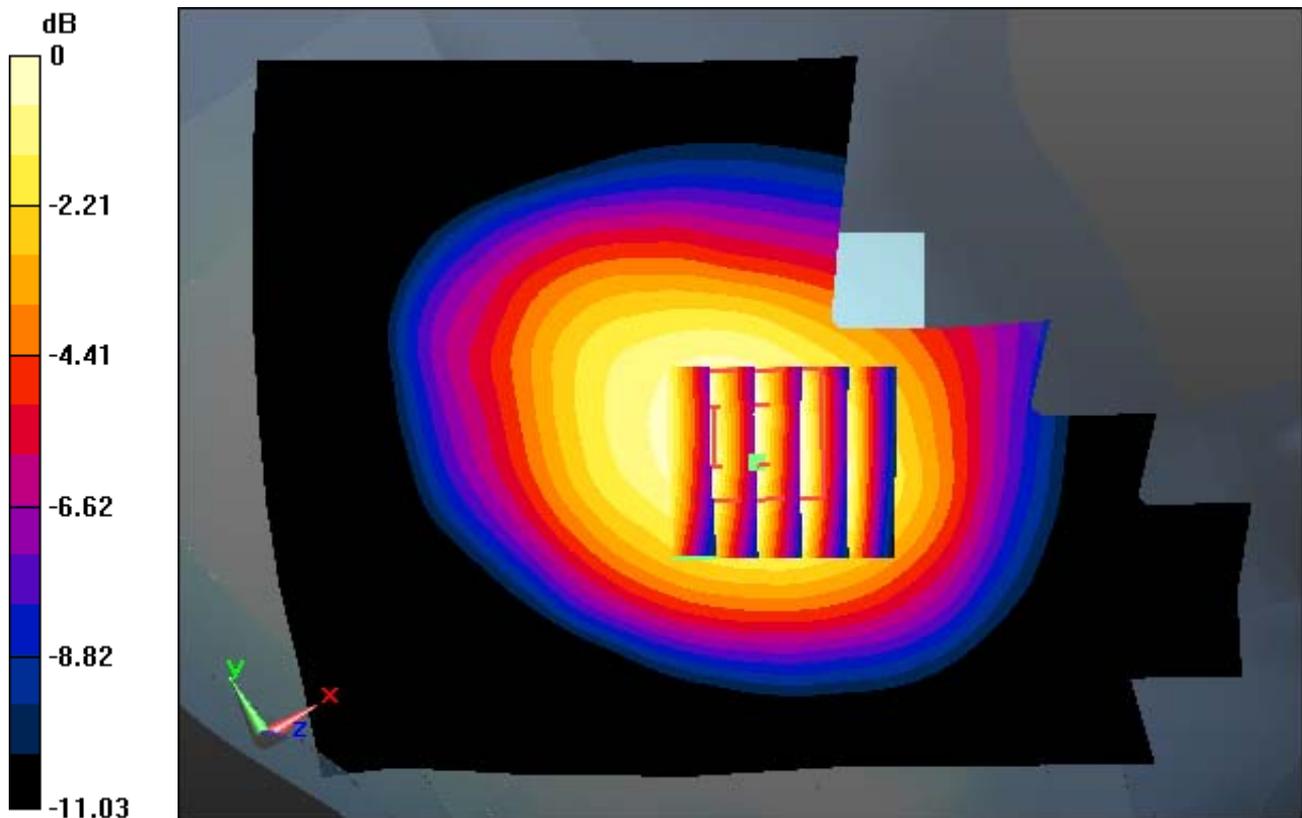
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

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

**With Enlarge plot image**

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

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

## **Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

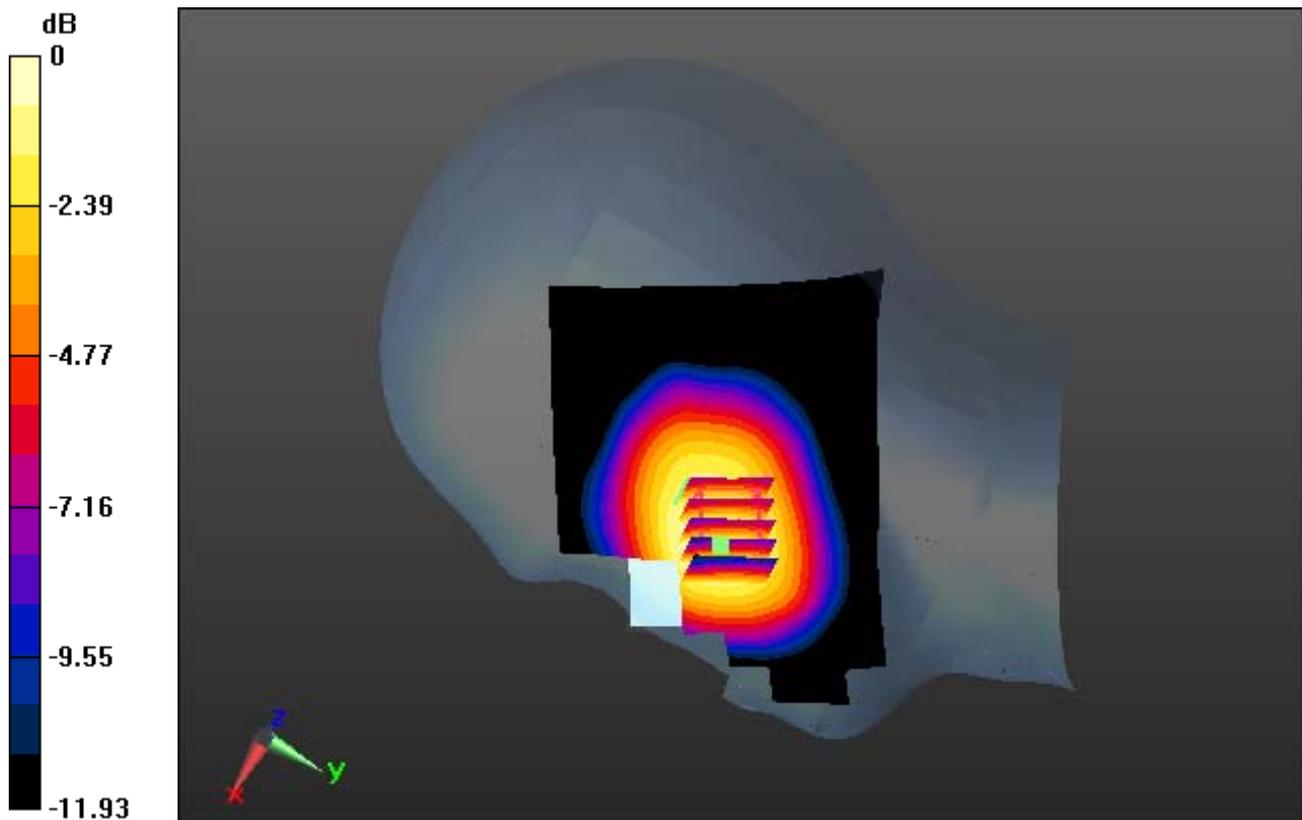
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.493 mW/g

**SAR(1 g) = 0.385 W/kg; SAR(10 g) = 0.279 W/kg**



0 dB = 0.442 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

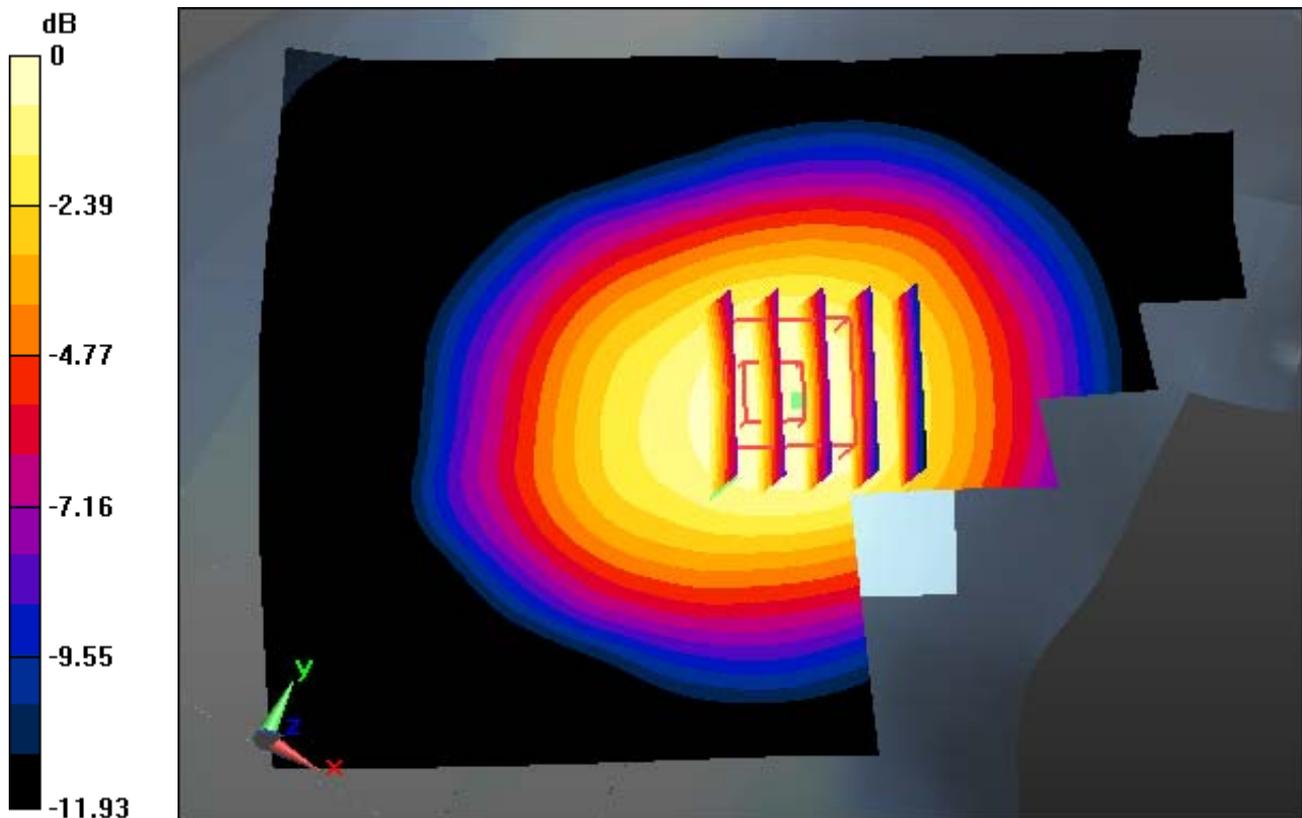
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Right Touch, GSM850 Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
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Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

## **Left Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery**

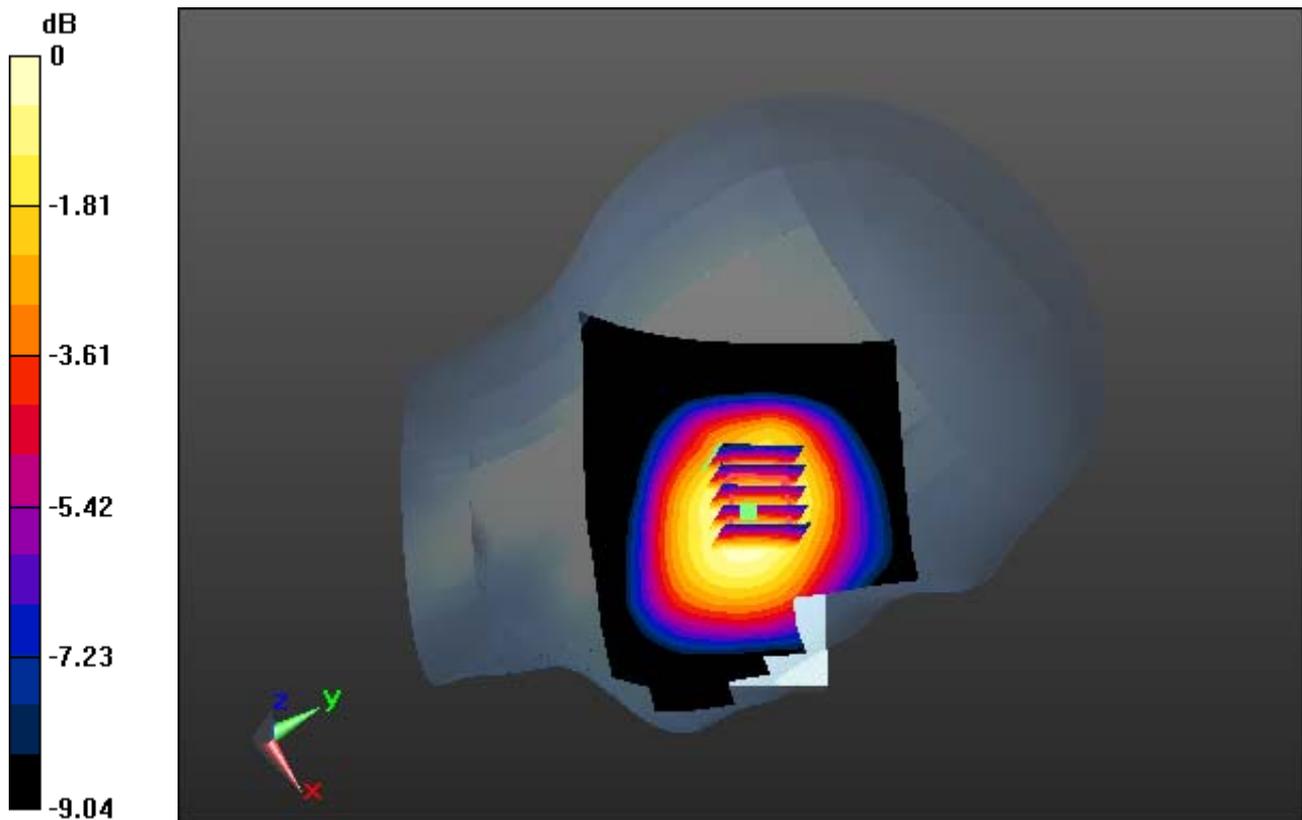
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.315 mW/g

SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.190 W/kg



0 dB = 0.289 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

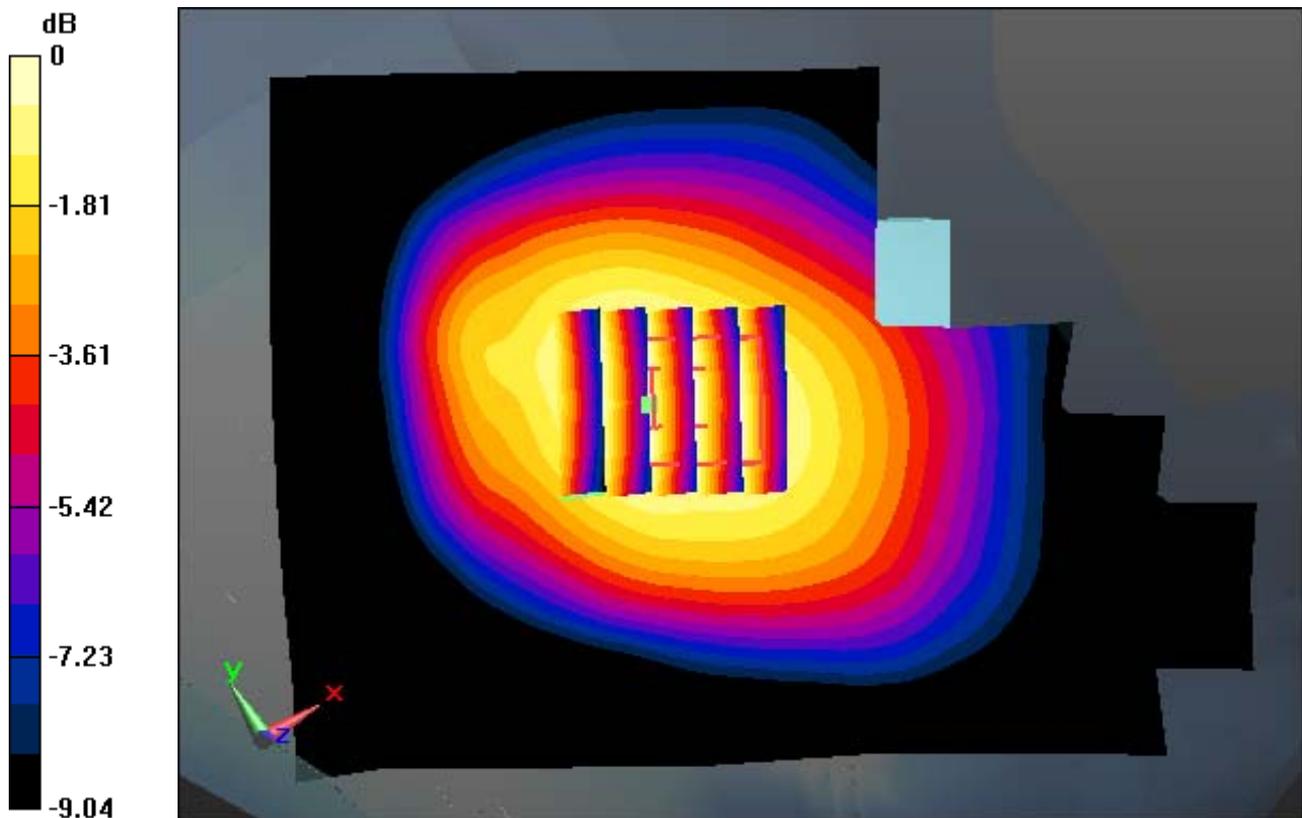
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.315 mW/g  
**SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.190 W/kg**



0 dB = 0.289 mW/g

# DIGITAL EMC CO., LTD

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Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

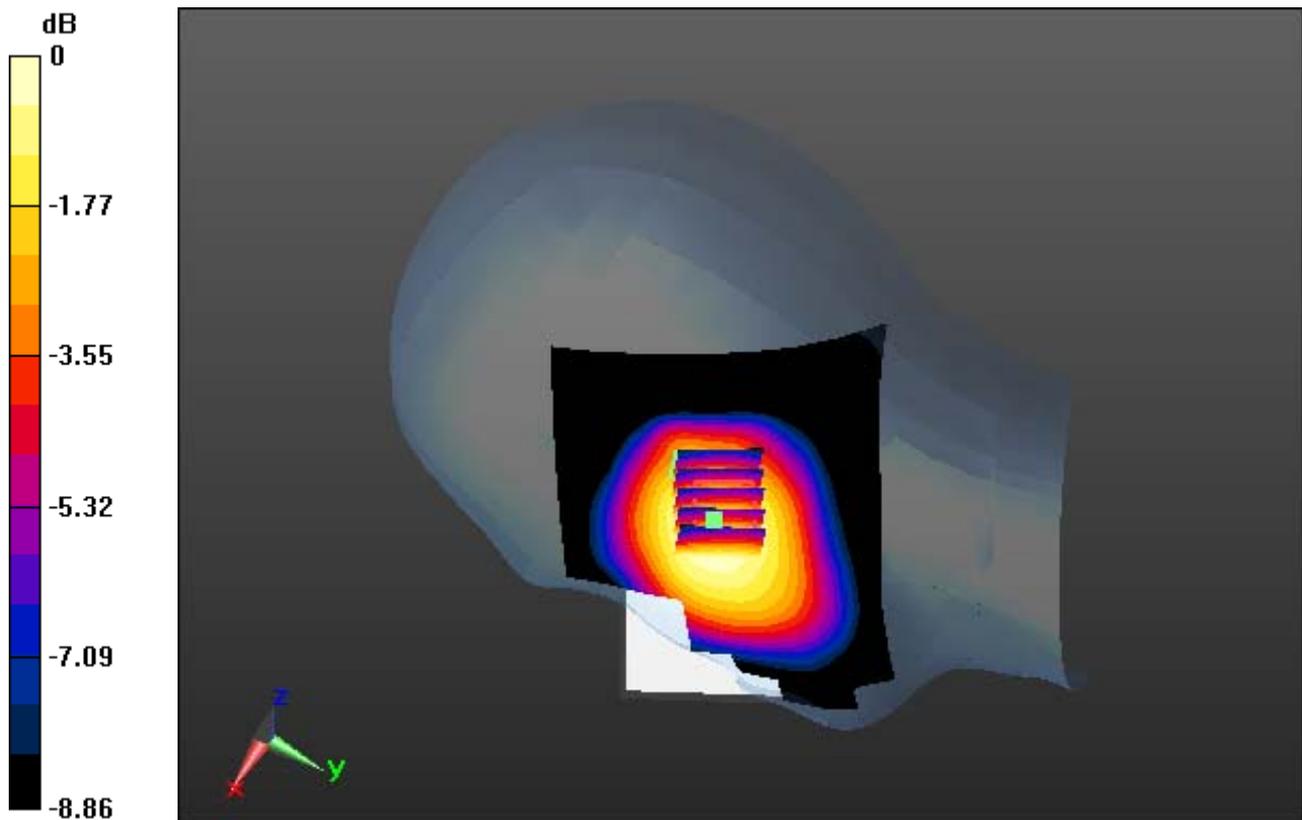
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

## **Right Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 0.237 mW/g  
**SAR(1 g) = 0.189 W/kg; SAR(10 g) = 0.142 W/kg**



0 dB = 0.216 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

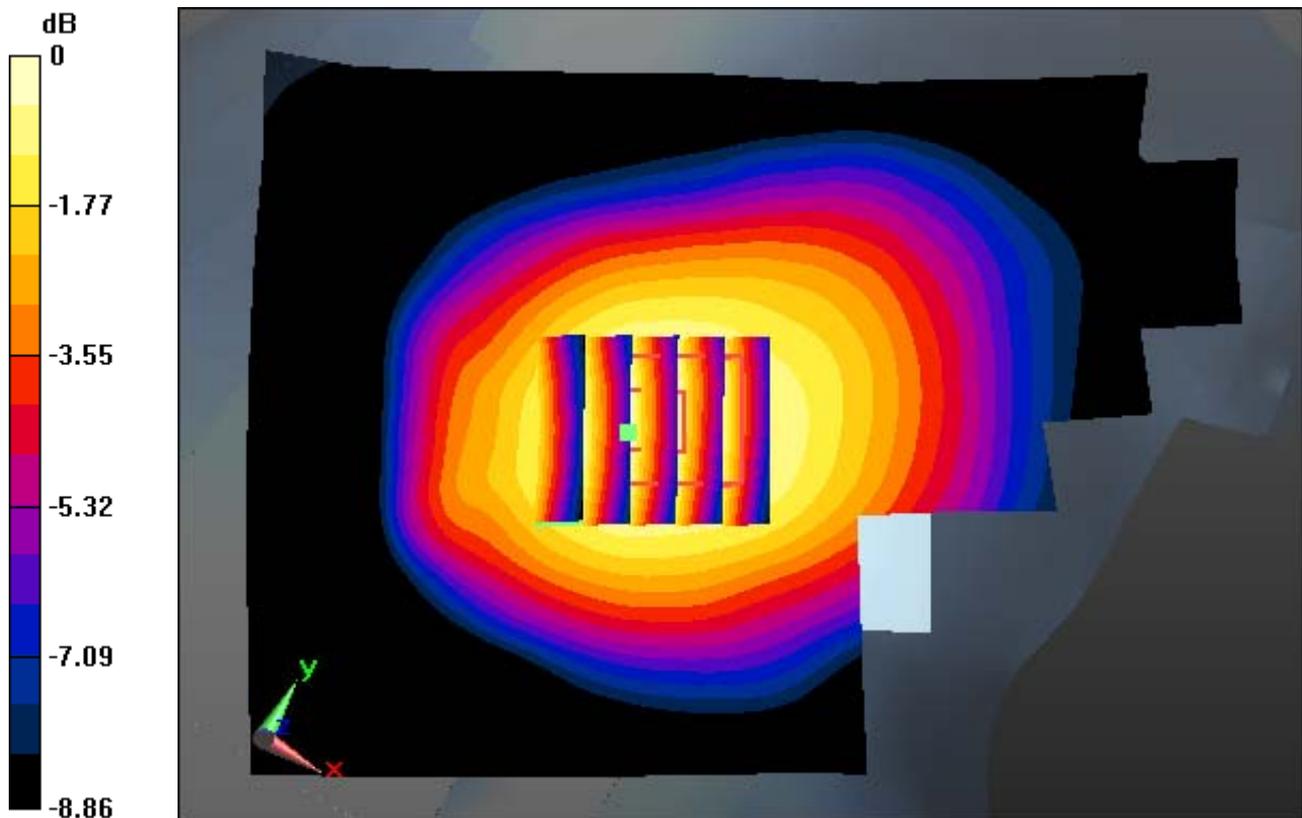
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Right Tilt, GSM850 Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
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Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

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

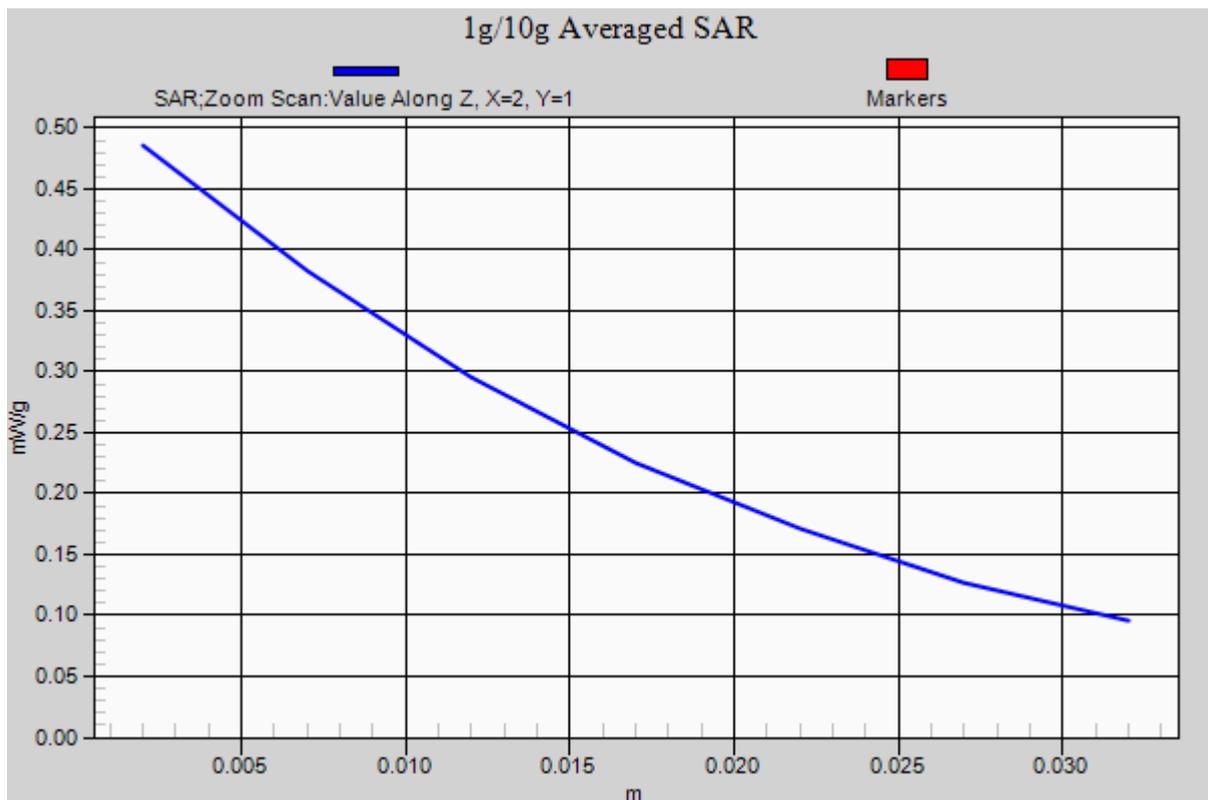
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.569 mW/g

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.313 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 1 Tx Ch. 190, Ant Internal, Standard Battery**

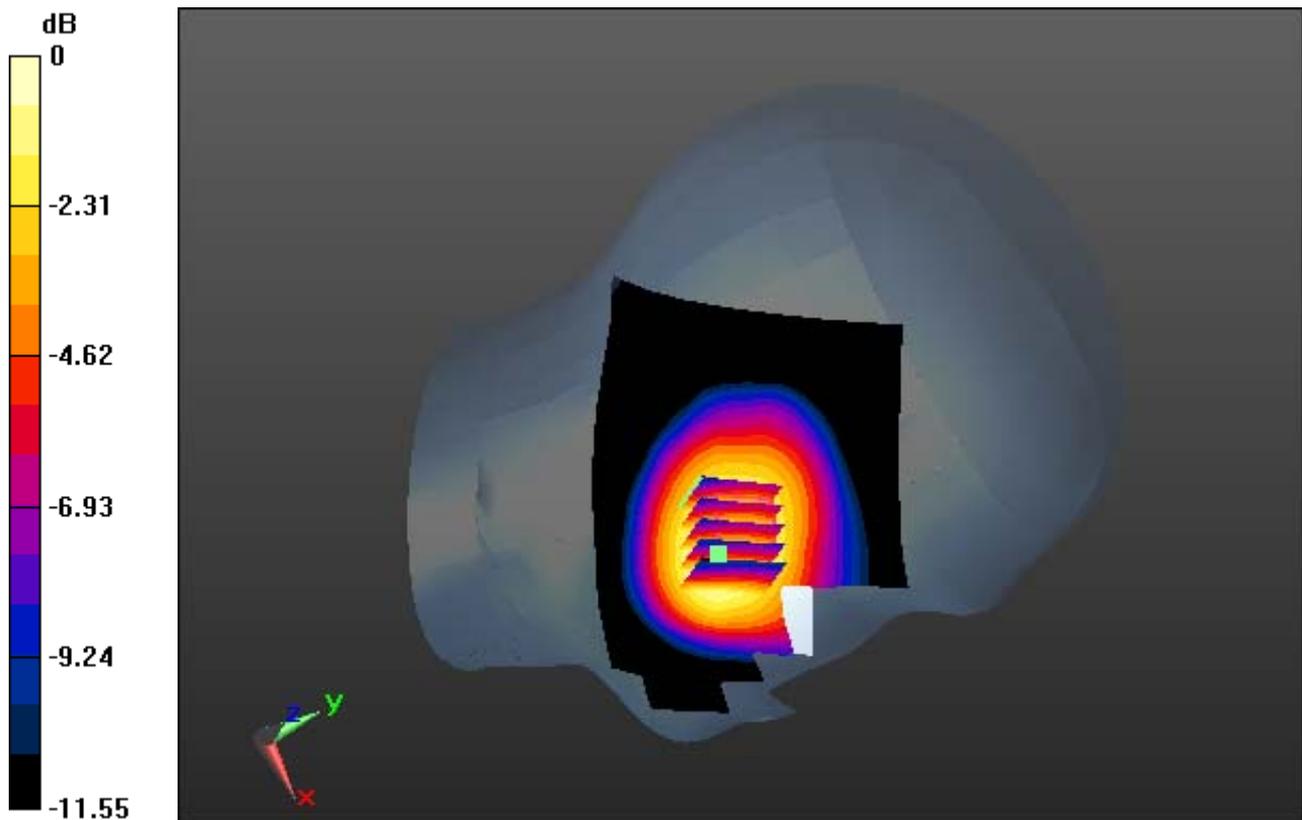
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.586 mW/g

SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.318 W/kg



0 dB = 0.518 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

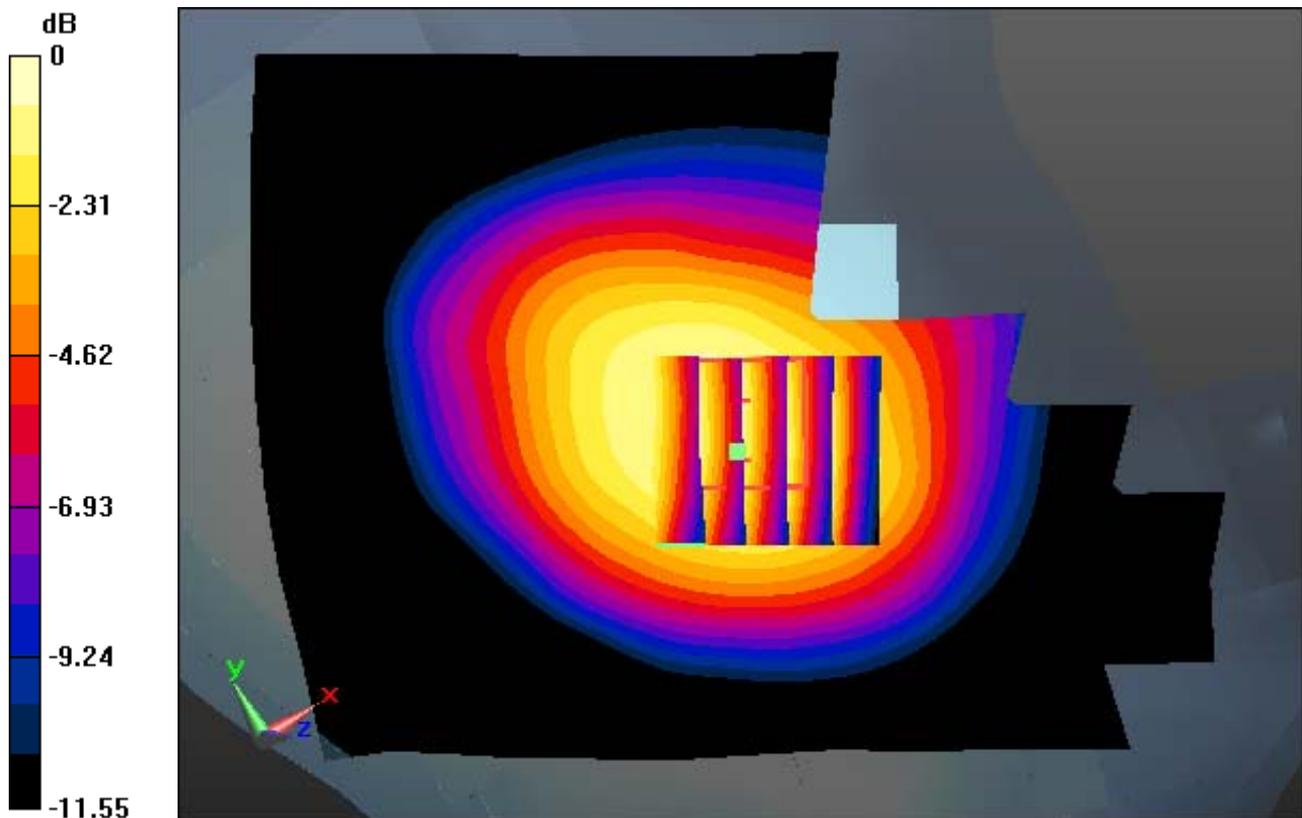
Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 1 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 0.586 mW/g  
**SAR(1 g) = 0.441 W/kg; SAR(10 g) = 0.318 W/kg**



0 dB = 0.518 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery**

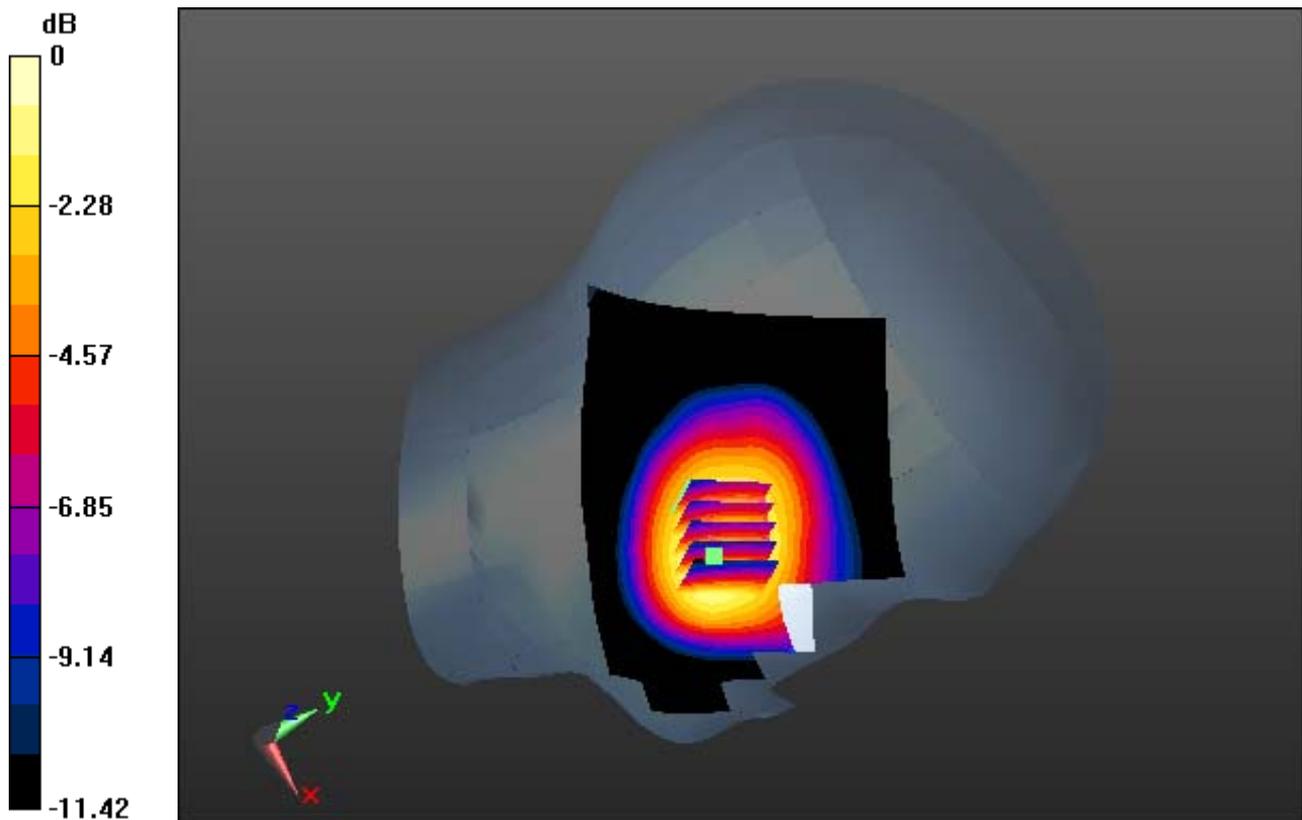
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.794 mW/g

**SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.424 W/kg**



0 dB = 0.701 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 2 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

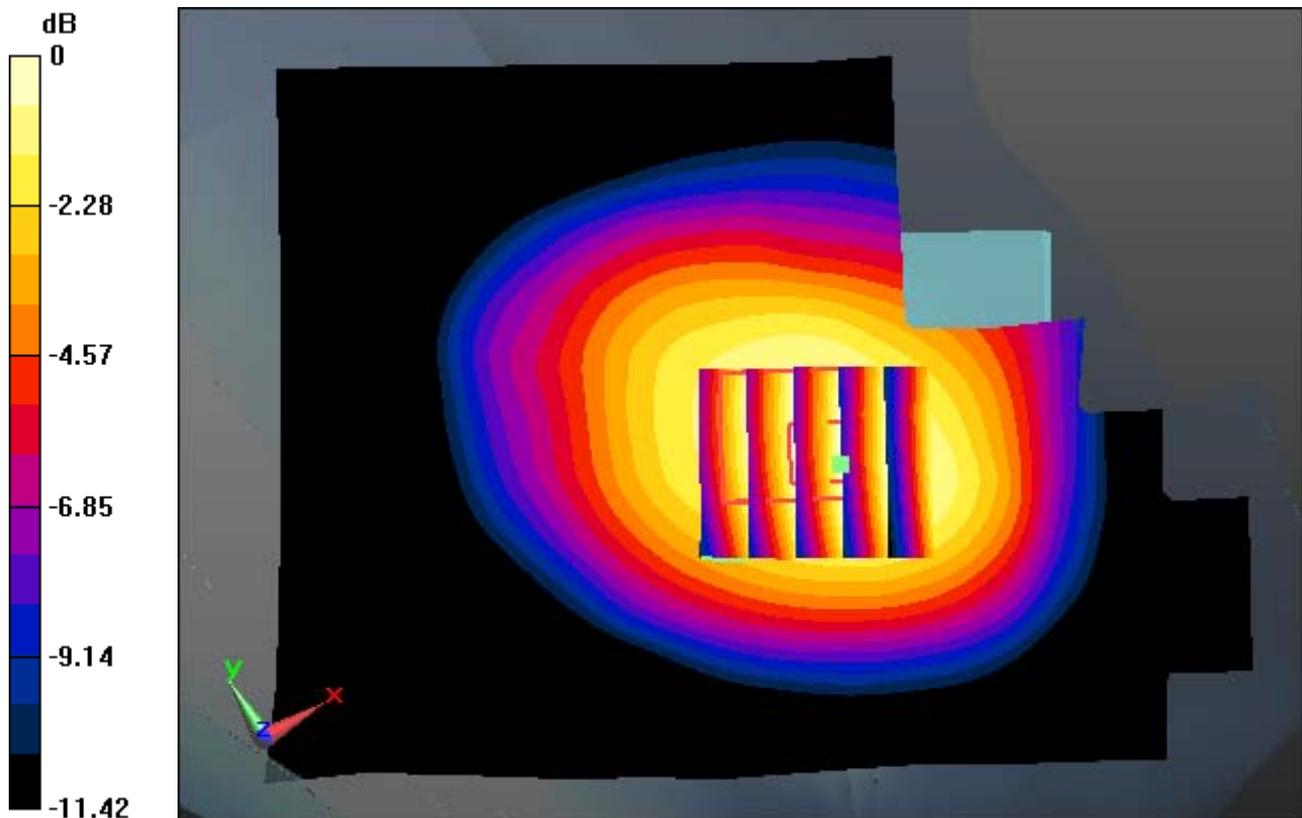
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.20 dB

Peak SAR (extrapolated) = 0.794 mW/g

**SAR(1 g) = 0.588 W/kg; SAR(10 g) = 0.424 W/kg**



0 dB = 0.701 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.874$  mho/m;  $\epsilon_r = 41.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 3 Tx Ch. 128, Ant Internal, Standard Battery**

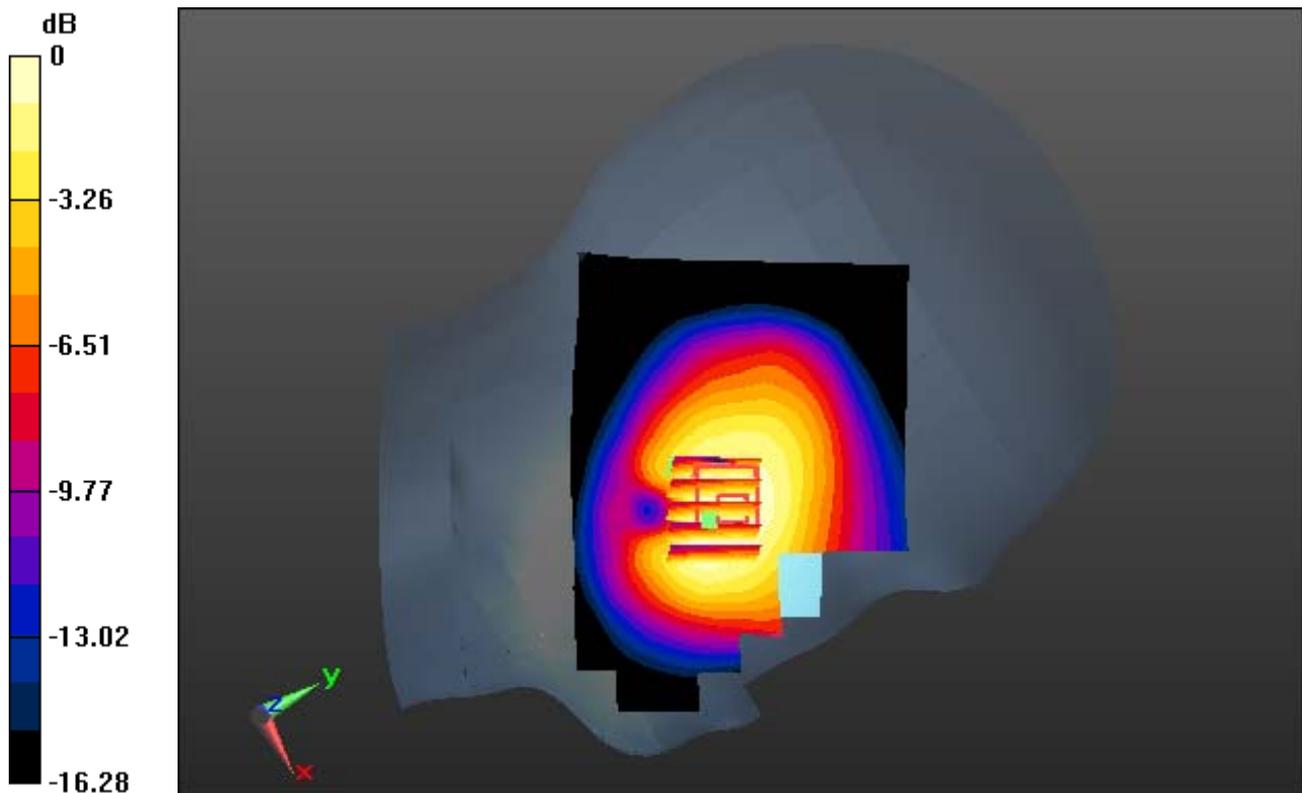
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.815 mW/g

**SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.437 W/kg**



0 dB = 0.716 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.874$  mho/m;  $\epsilon_r = 41.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 3 Tx Ch. 128, Ant Internal, Standard Battery**

**With Enlarge plot image**

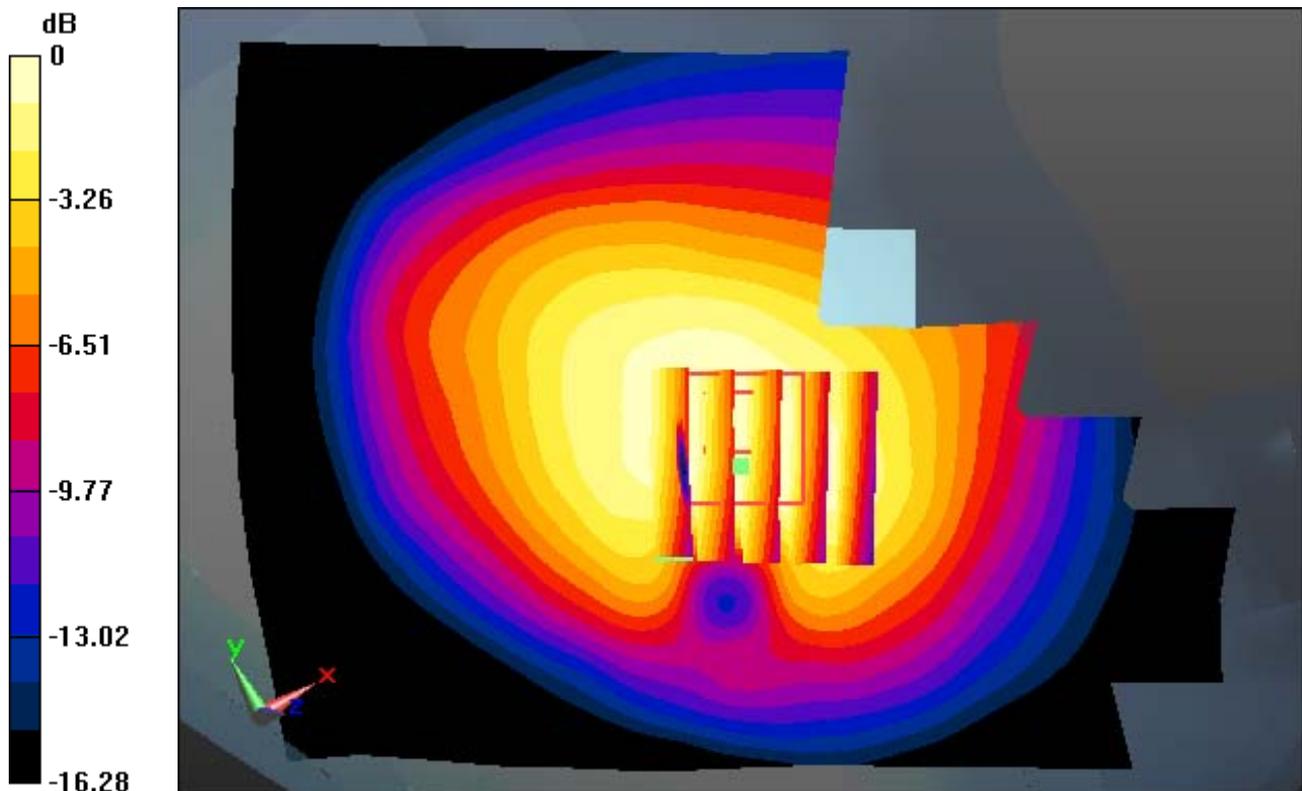
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.815 mW/g

**SAR(1 g) = 0.610 W/kg; SAR(10 g) = 0.437 W/kg**



0 dB = 0.716 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery**

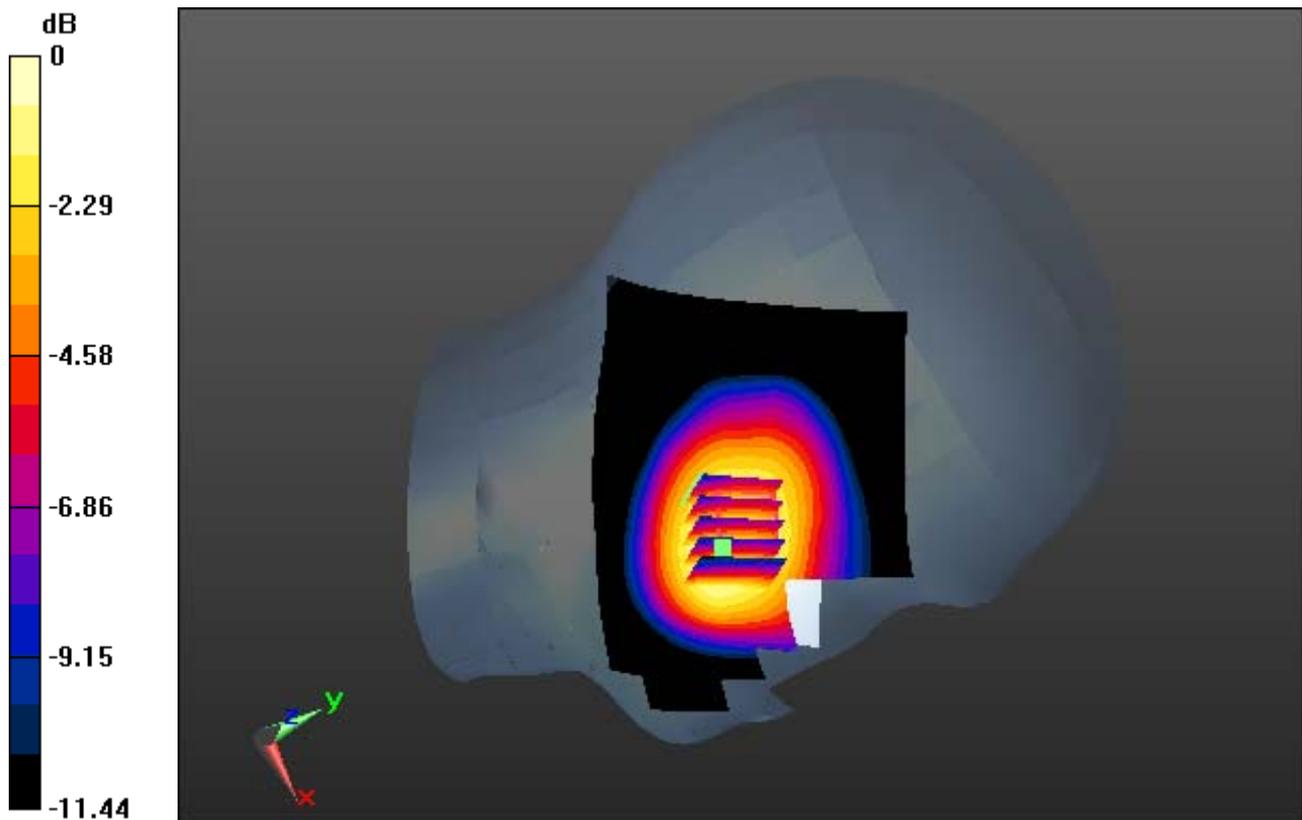
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.976 mW/g

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.527 W/kg



0 dB = 0.860 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 3 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

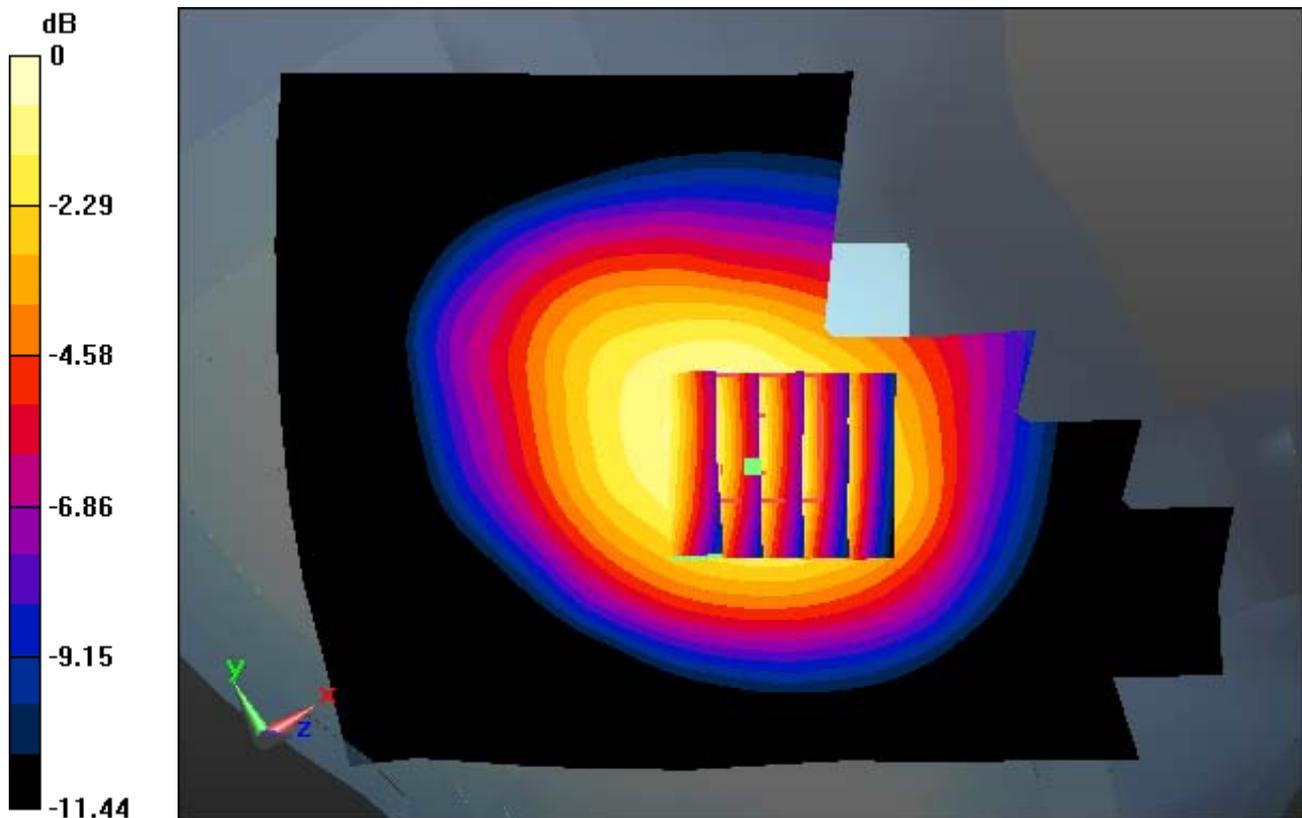
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.976 mW/g

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.527 W/kg



0 dB = 0.860 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 848.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.885$  mho/m;  $\epsilon_r = 41.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 3 Tx Ch. 251, Ant Internal, Standard Battery**

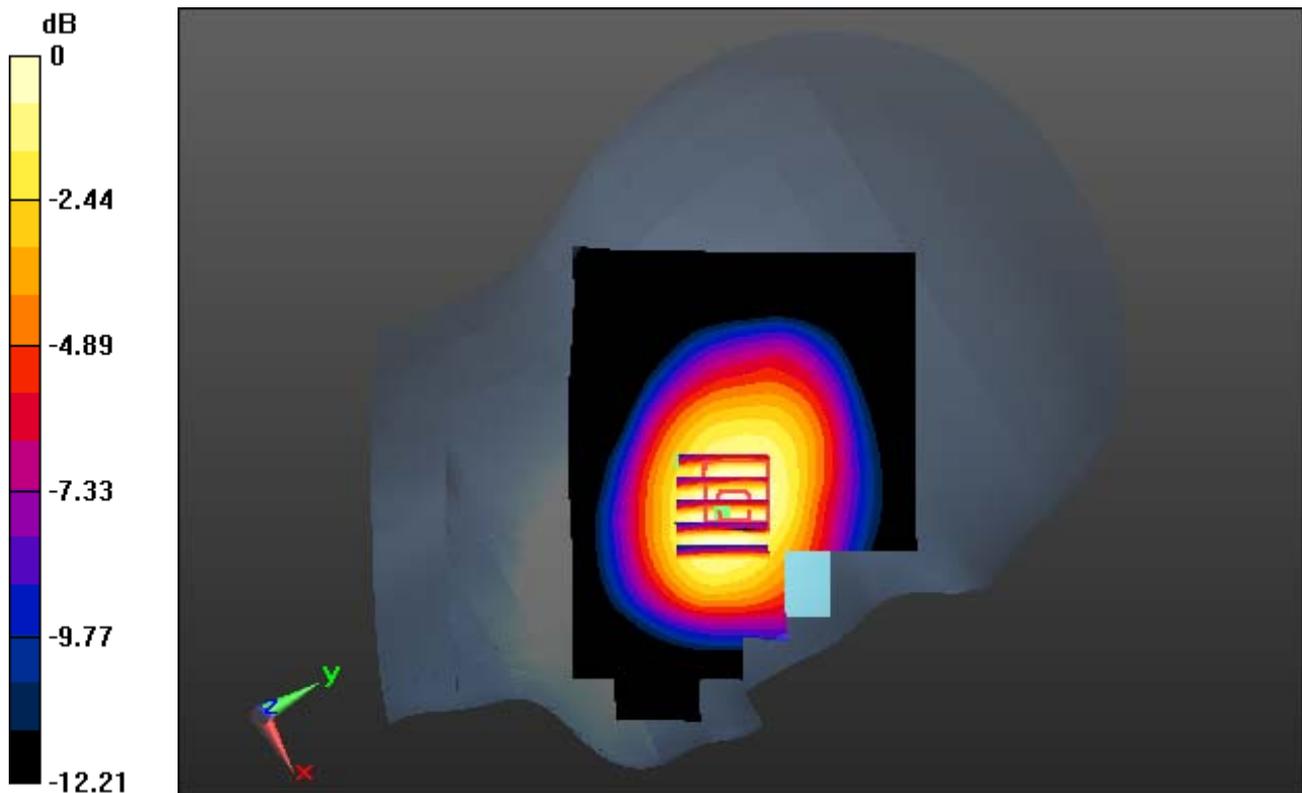
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.886 mW/g

SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.475 W/kg



0 dB = 0.778 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 848.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.885$  mho/m;  $\epsilon_r = 41.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 3 Tx Ch. 251, Ant Internal, Standard Battery**

**With Enlarge plot image**

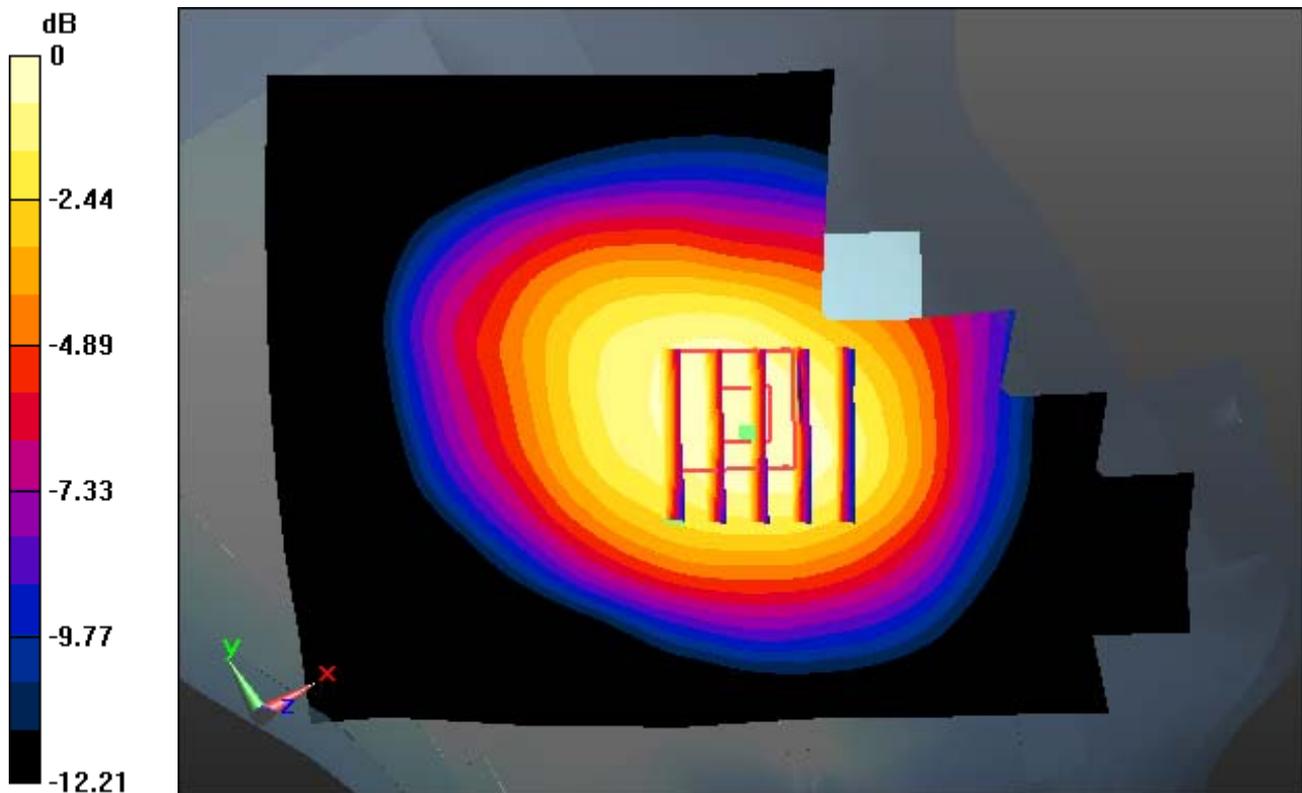
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.886 mW/g

**SAR(1 g) = 0.669 W/kg; SAR(10 g) = 0.475 W/kg**



0 dB = 0.778 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 824.2 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.874$  mho/m;  $\epsilon_r = 41.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 128, Ant Internal, Standard Battery**

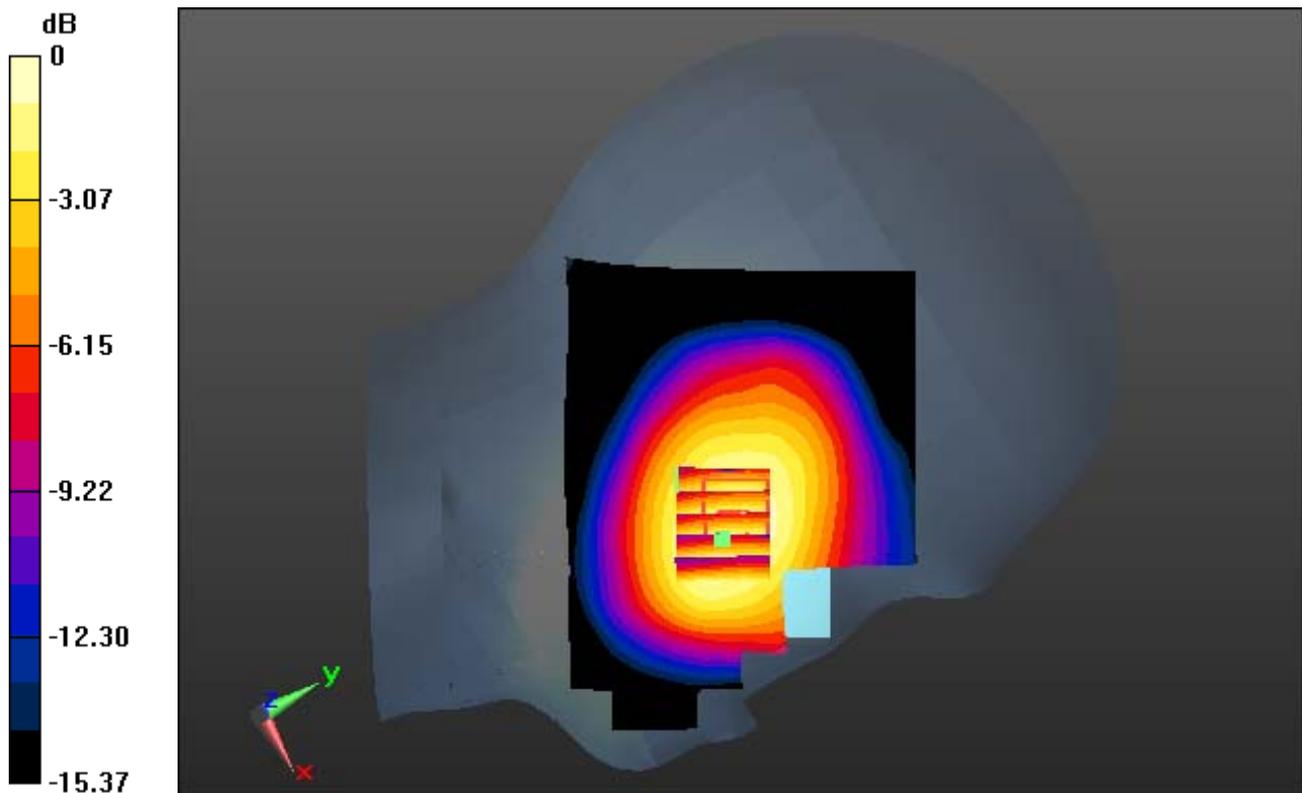
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.882 mW/g

**SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.477 W/kg**



0 dB = 0.775 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 824.2 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.874$  mho/m;  $\epsilon_r = 41.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 128, Ant Internal, Standard Battery**

**With Enlarge plot image**

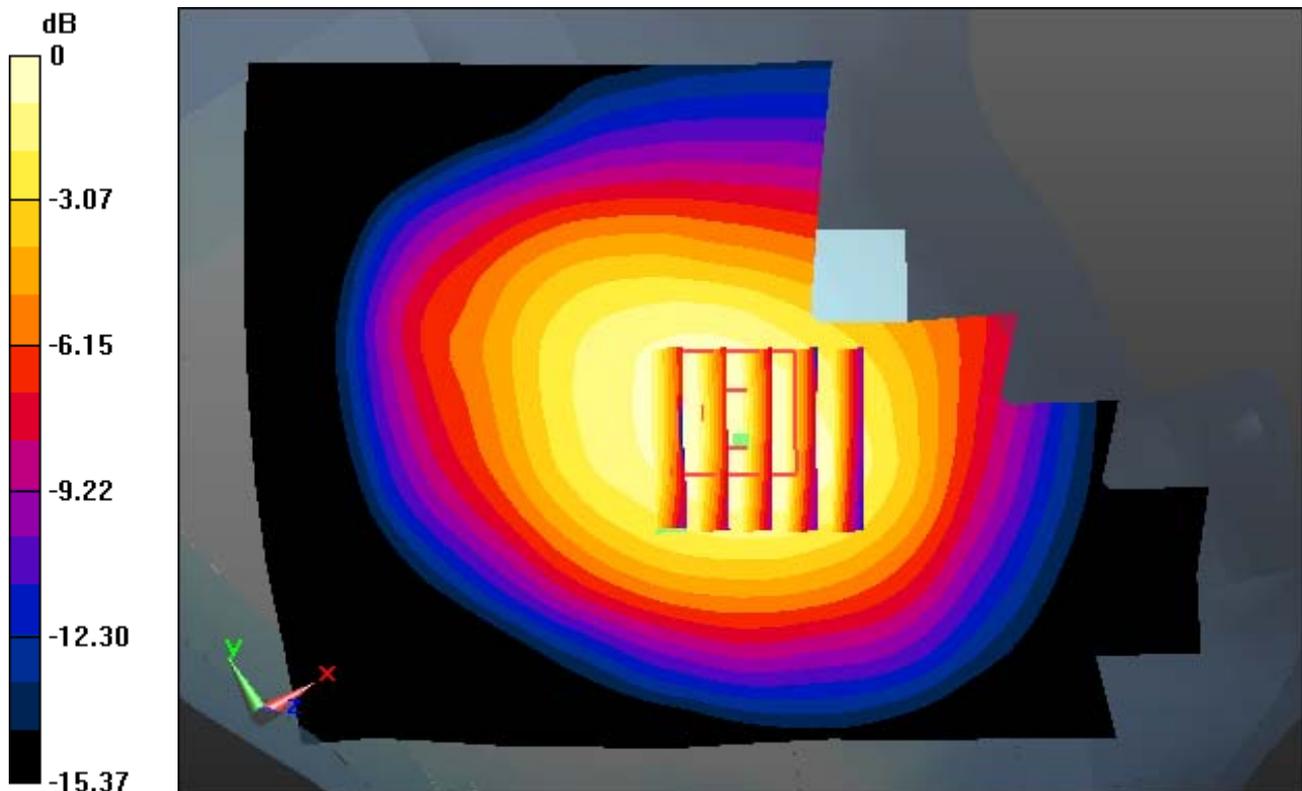
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.882 mW/g

SAR(1 g) = 0.658 W/kg; SAR(10 g) = 0.477 W/kg



0 dB = 0.775 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

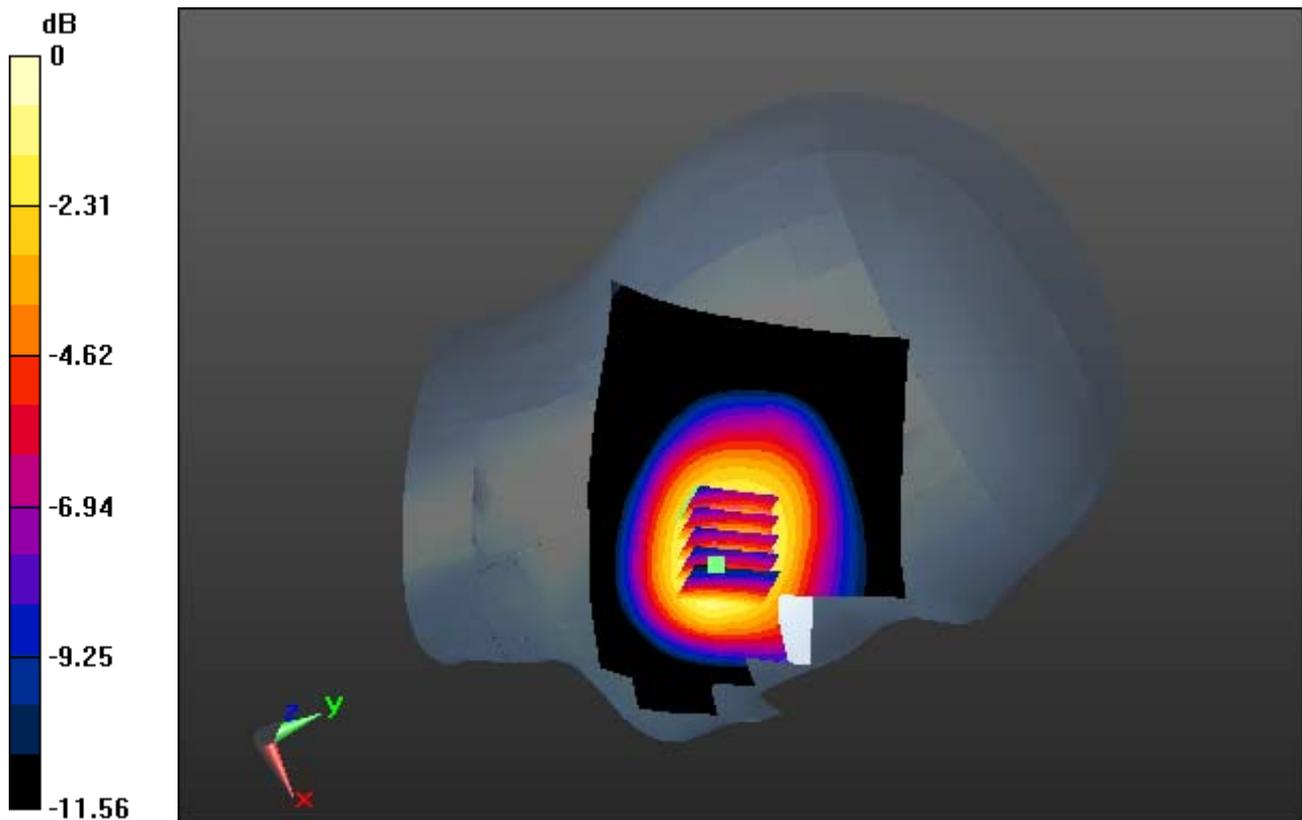
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.997 mW/g

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.548 W/kg



0 dB = 0.887 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

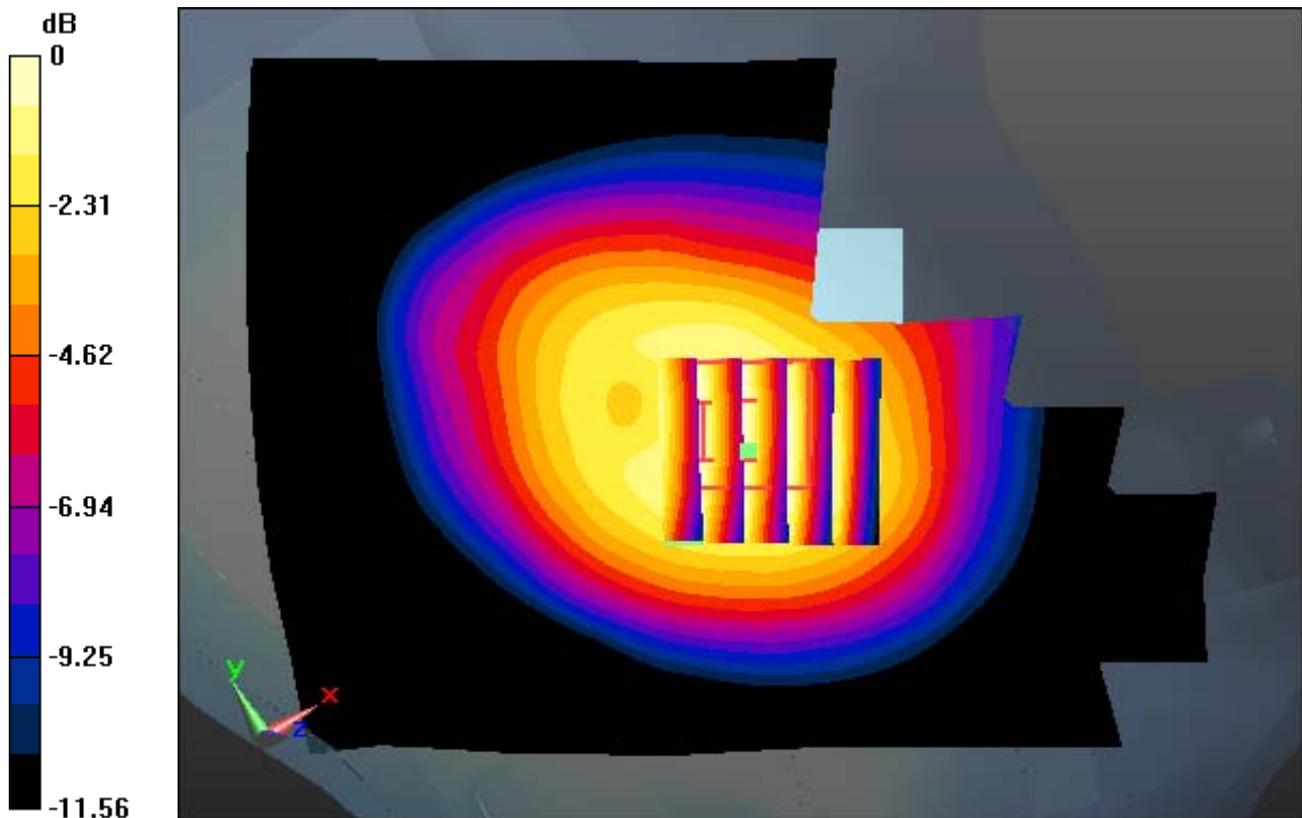
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.997 mW/g

SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.548 W/kg



0 dB = 0.887 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.885$  mho/m;  $\epsilon_r = 41.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 251, Ant Internal, Standard Battery**

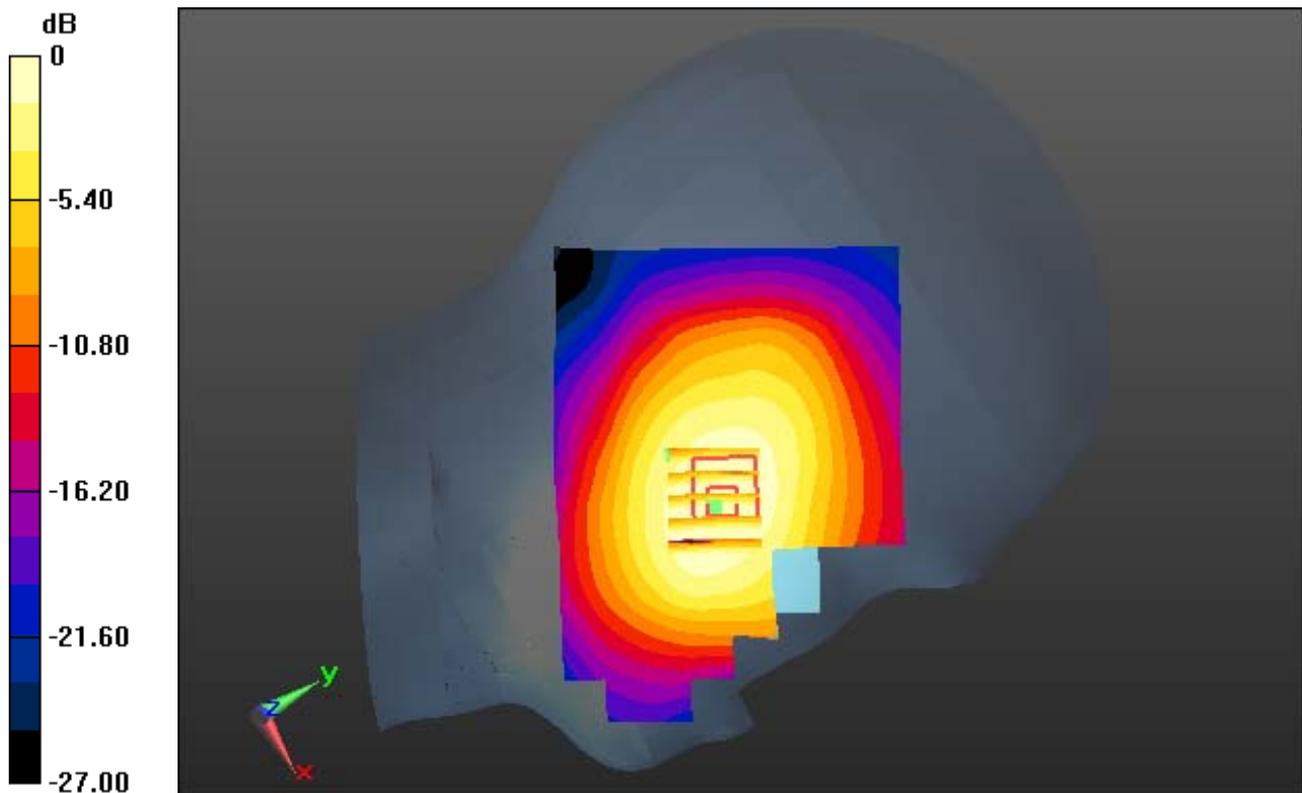
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.906 mW/g

SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.490 W/kg



0 dB = 0.798 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.885$  mho/m;  $\epsilon_r = 41.345$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 251, Ant Internal, Standard Battery**

**With Enlarge plot image**

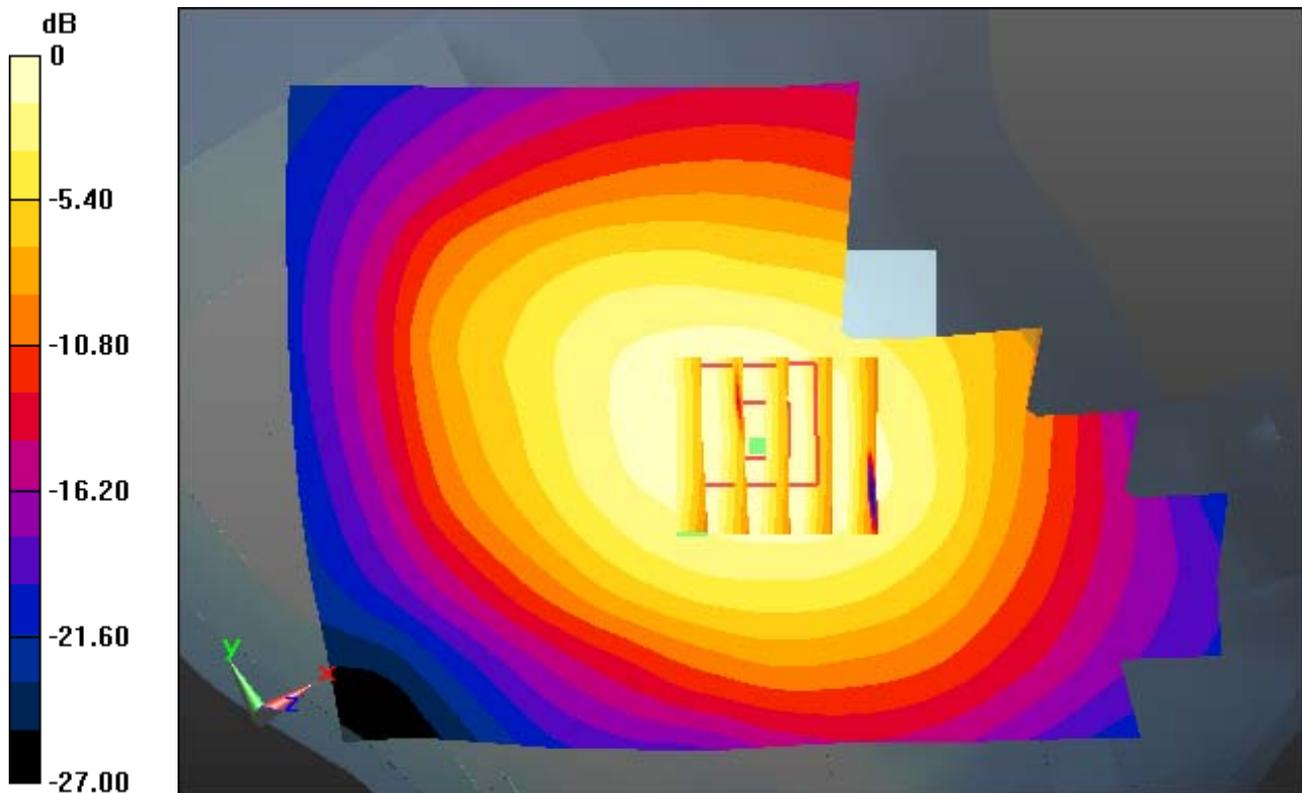
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.906 mW/g

**SAR(1 g) = 0.681 W/kg; SAR(10 g) = 0.490 W/kg**



0 dB = 0.798 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Right Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

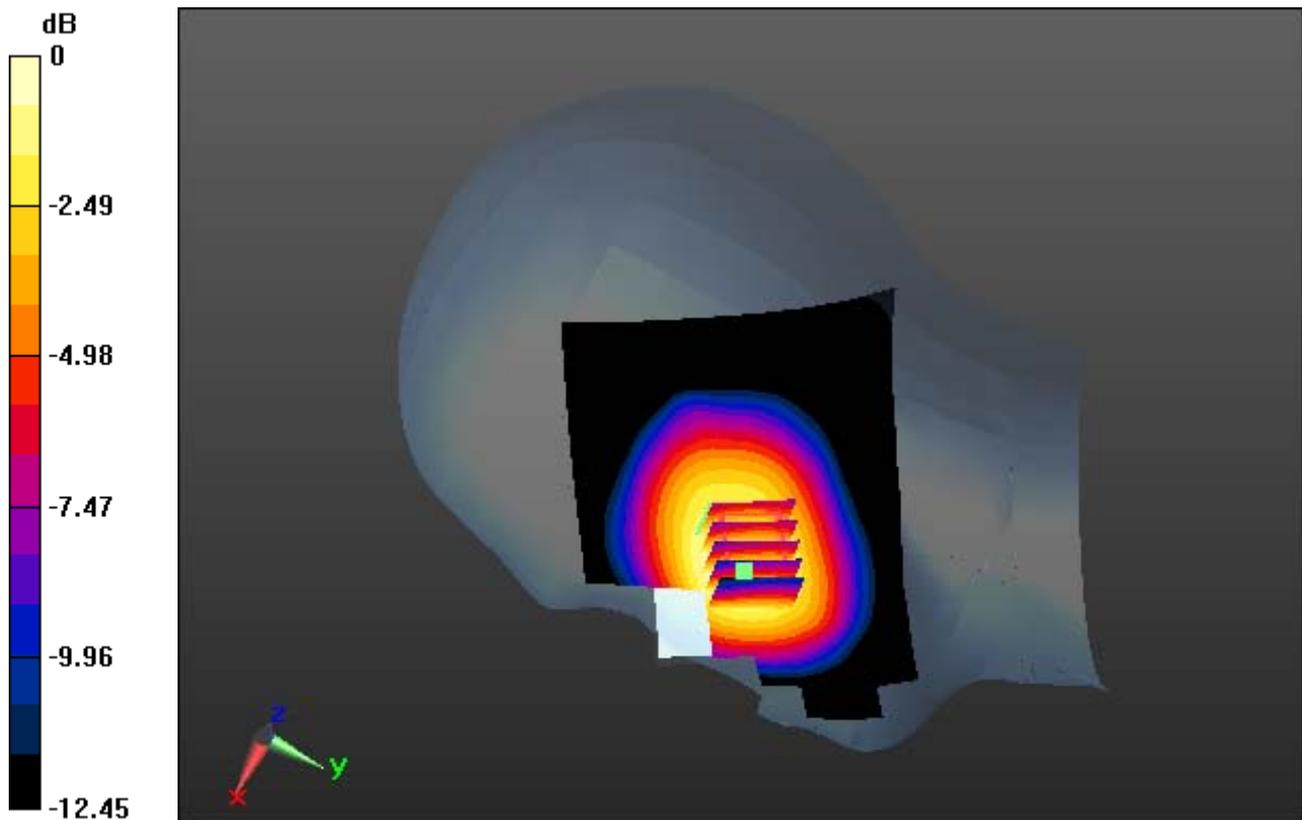
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.896 mW/g

SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.493 W/kg



0 dB = 0.802 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Right Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

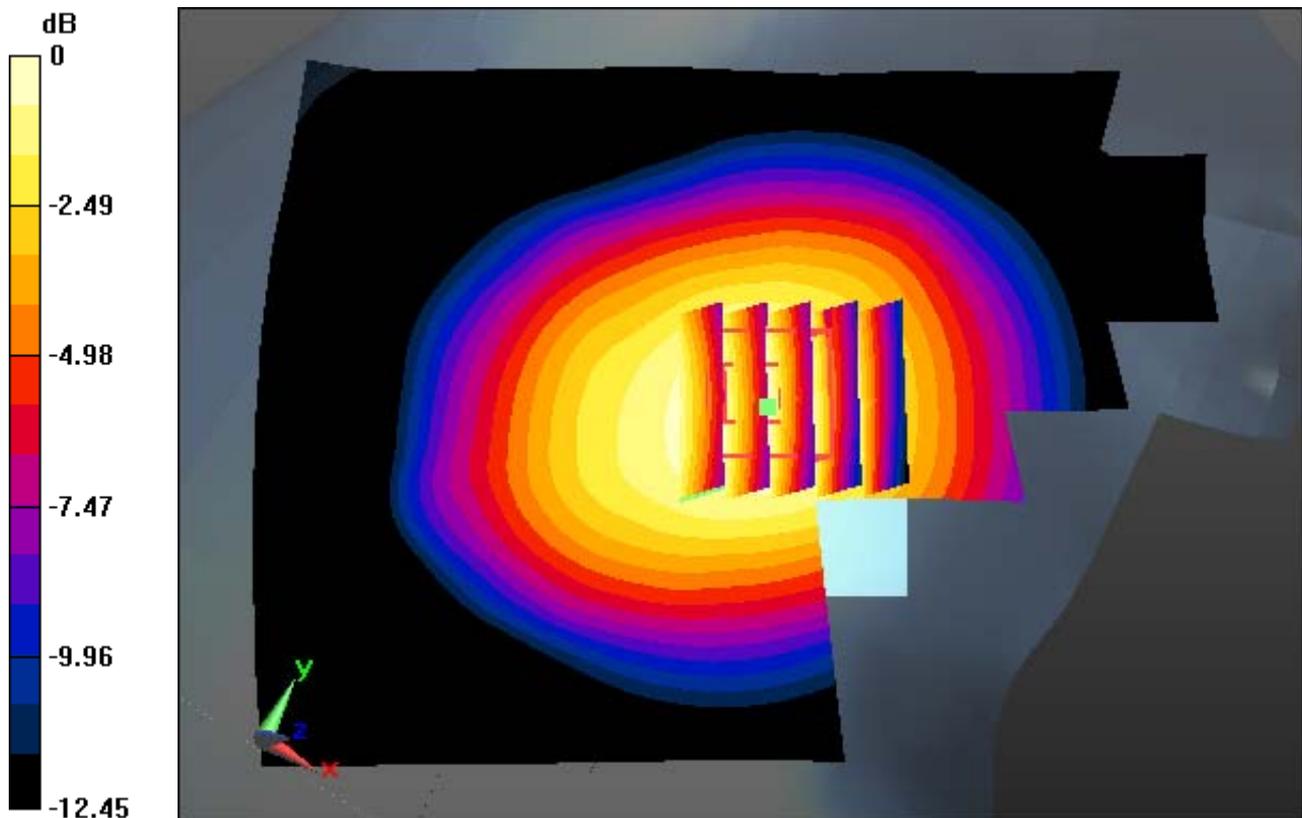
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.896 mW/g

SAR(1 g) = 0.689 W/kg; SAR(10 g) = 0.493 W/kg



0 dB = 0.802 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Tilt, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

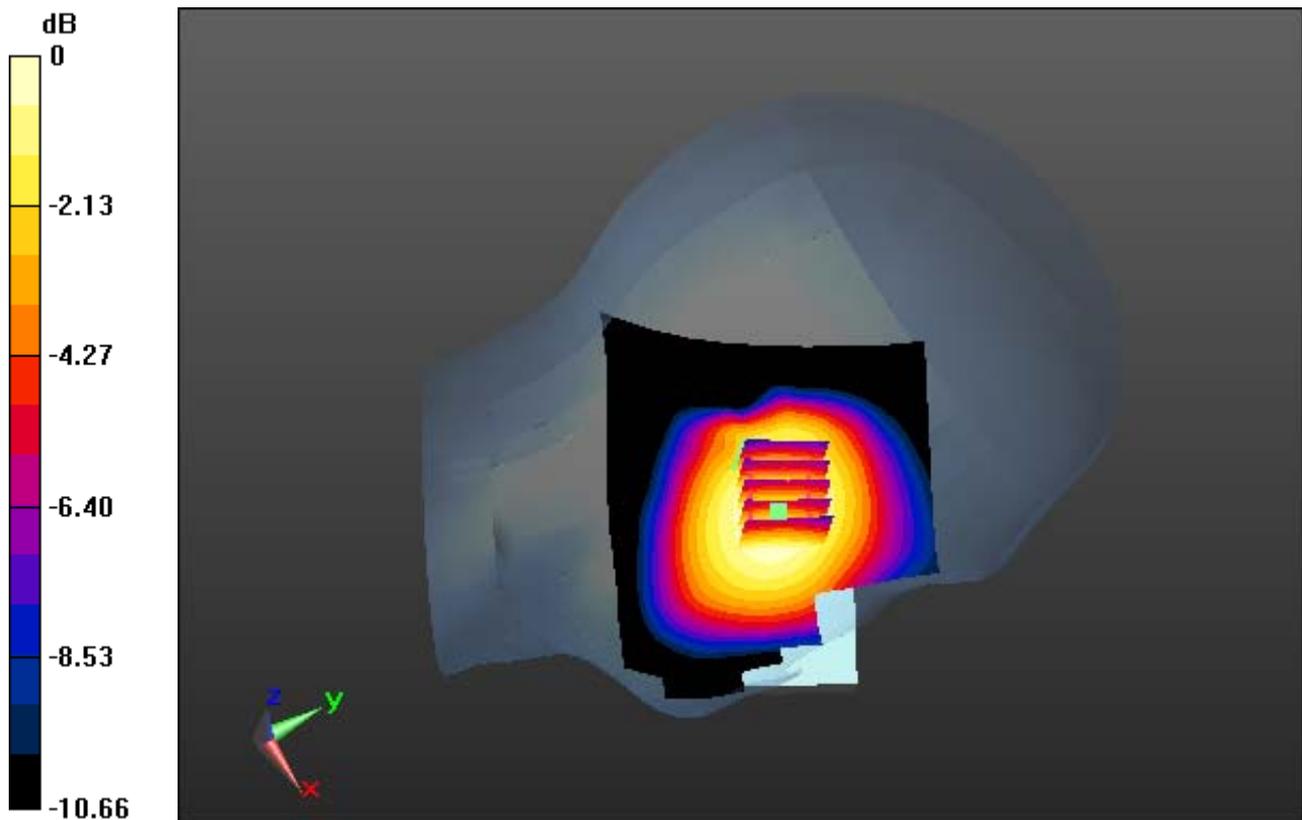
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.558 mW/g

SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.325 W/kg



0 dB = 0.480 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Left Tilt, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

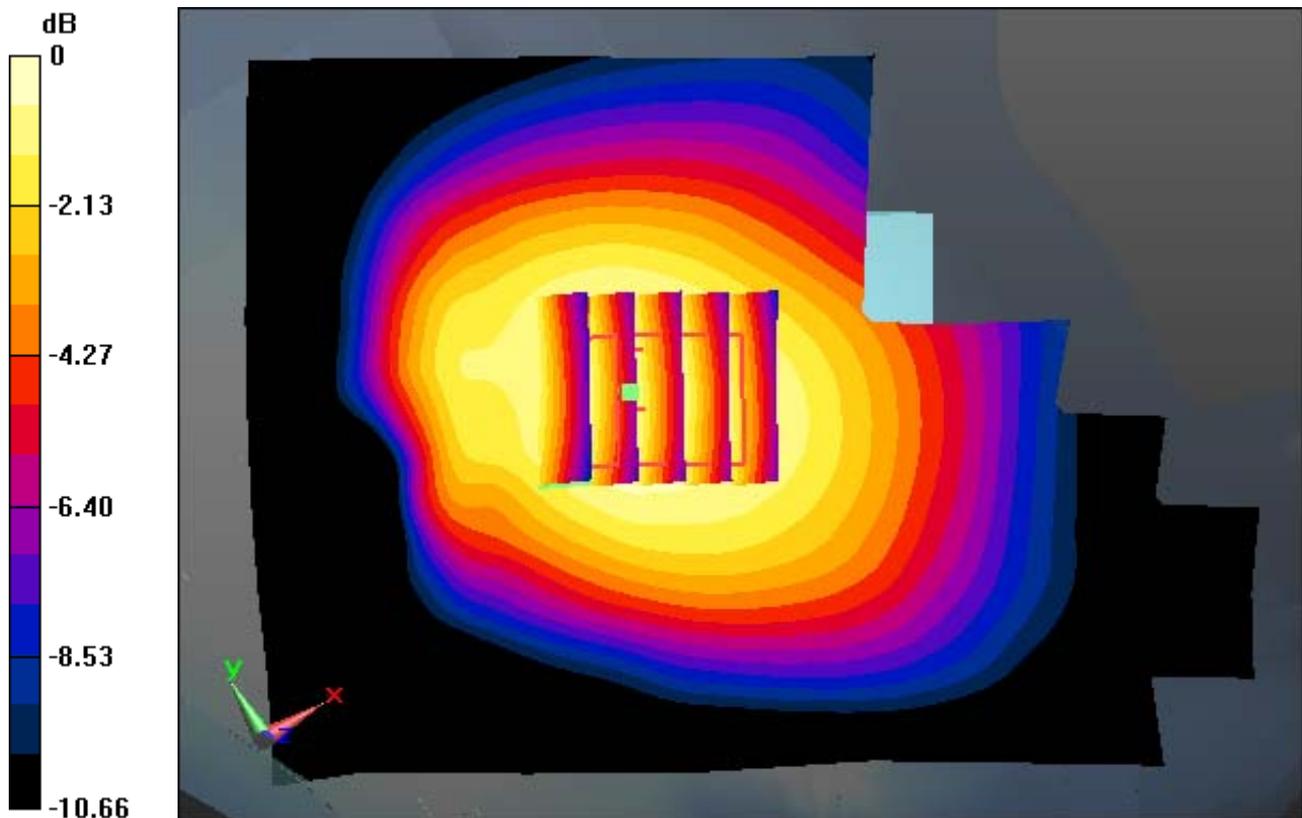
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.558 mW/g

SAR(1 g) = 0.434 W/kg; SAR(10 g) = 0.325 W/kg



0 dB = 0.480 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Right Tilt, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

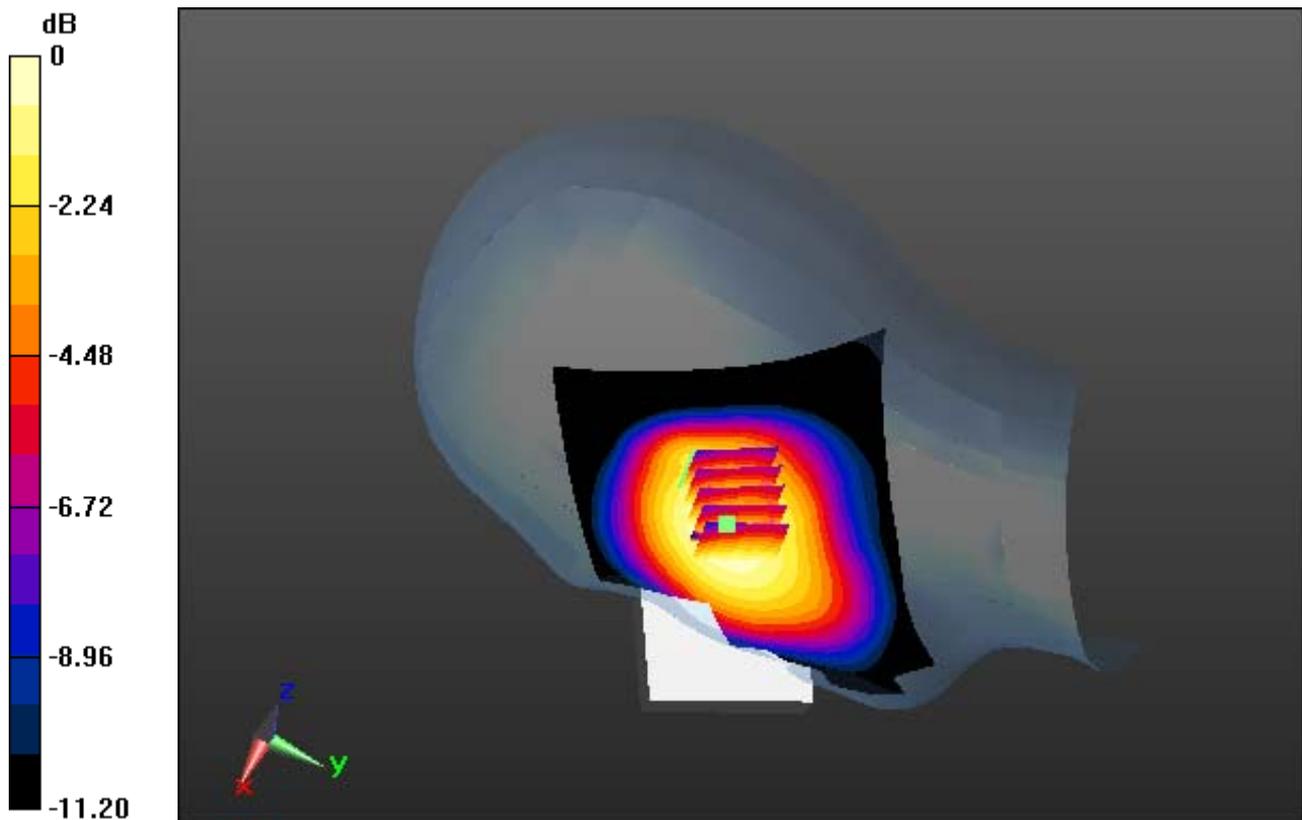
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.475 mW/g

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.268 W/kg



0 dB = 0.411 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial:1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp:20.9

**Right Tilt, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

**With Enlarge plot image**

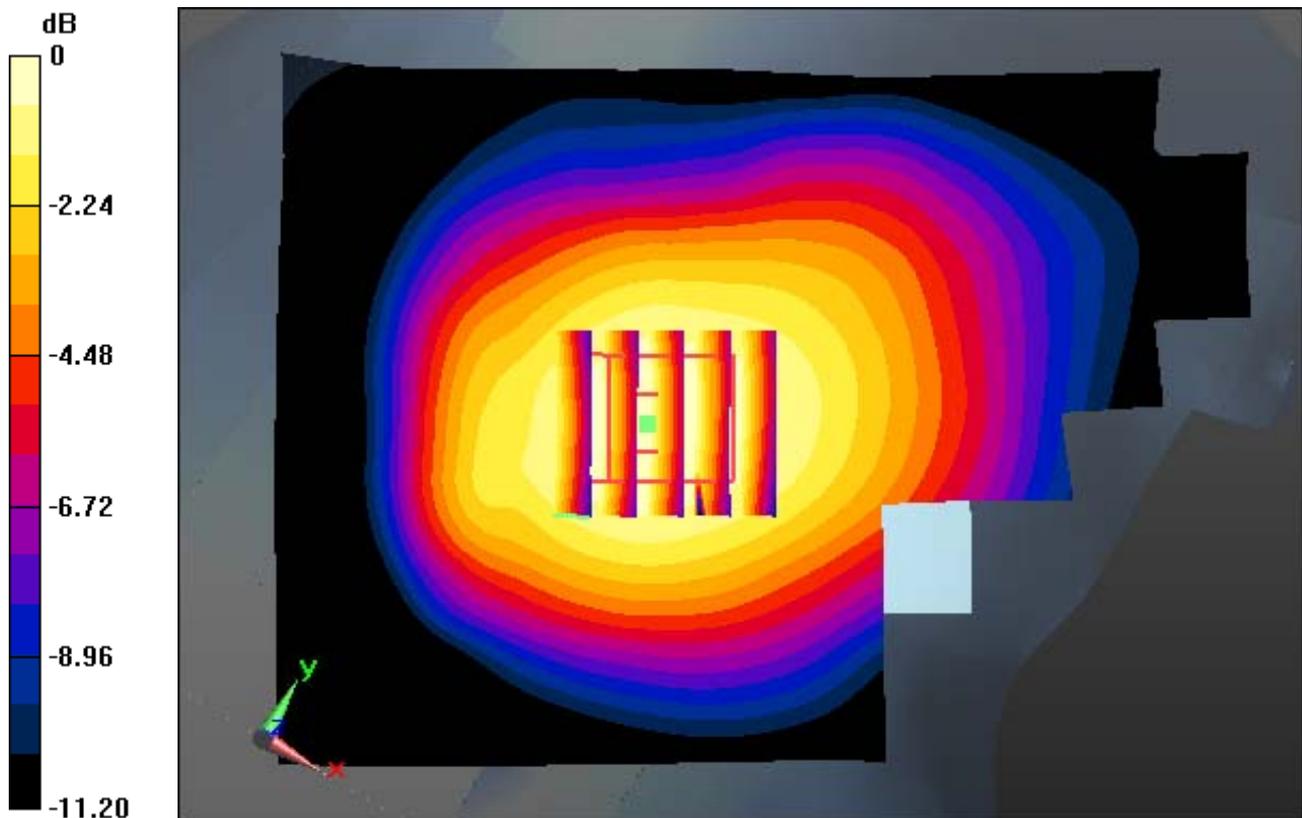
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.475 mW/g

SAR(1 g) = 0.359 W/kg; SAR(10 g) = 0.268 W/kg



0 dB = 0.411 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.884$  mho/m;  $\epsilon_r = 41.501$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-17; Ambient Temp: 20.4; Tissue Temp: 20.9

**Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery**

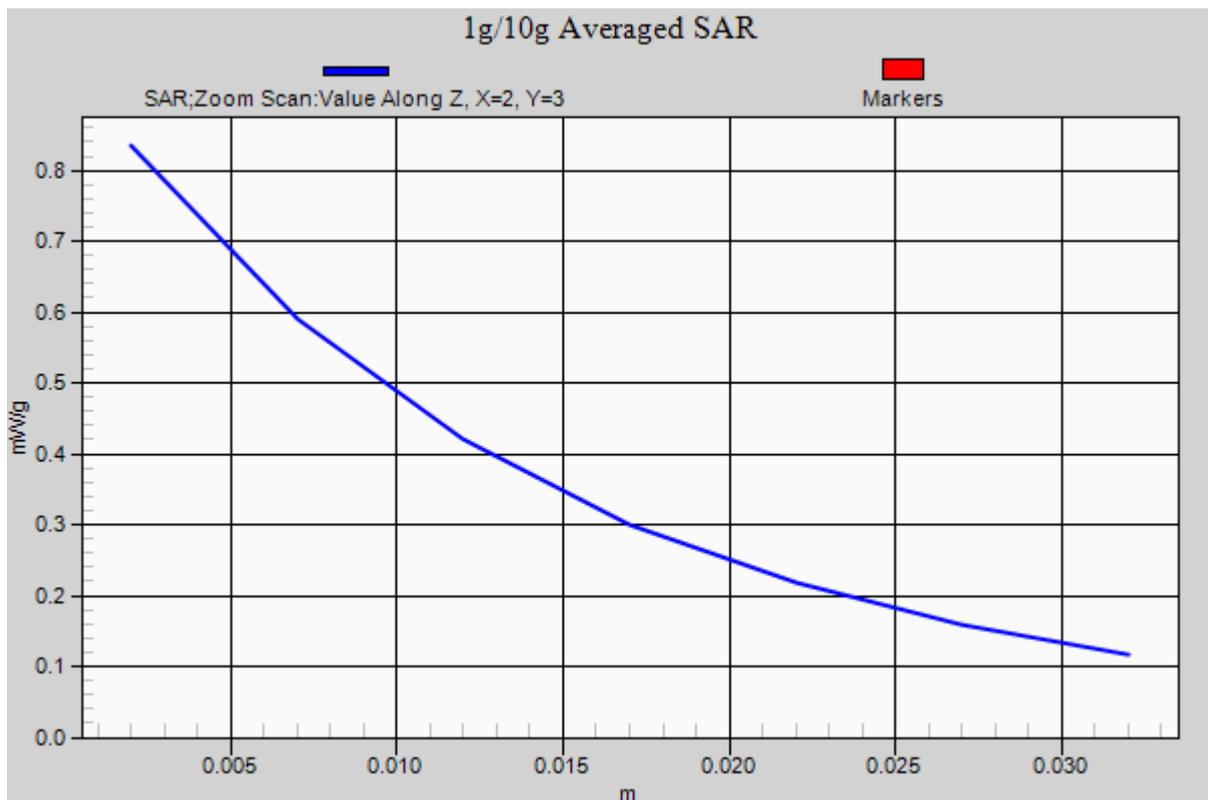
**Area Scan (81x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.997 mW/g

**SAR(1 g) = 0.760 W/kg; SAR(10 g) = 0.548 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

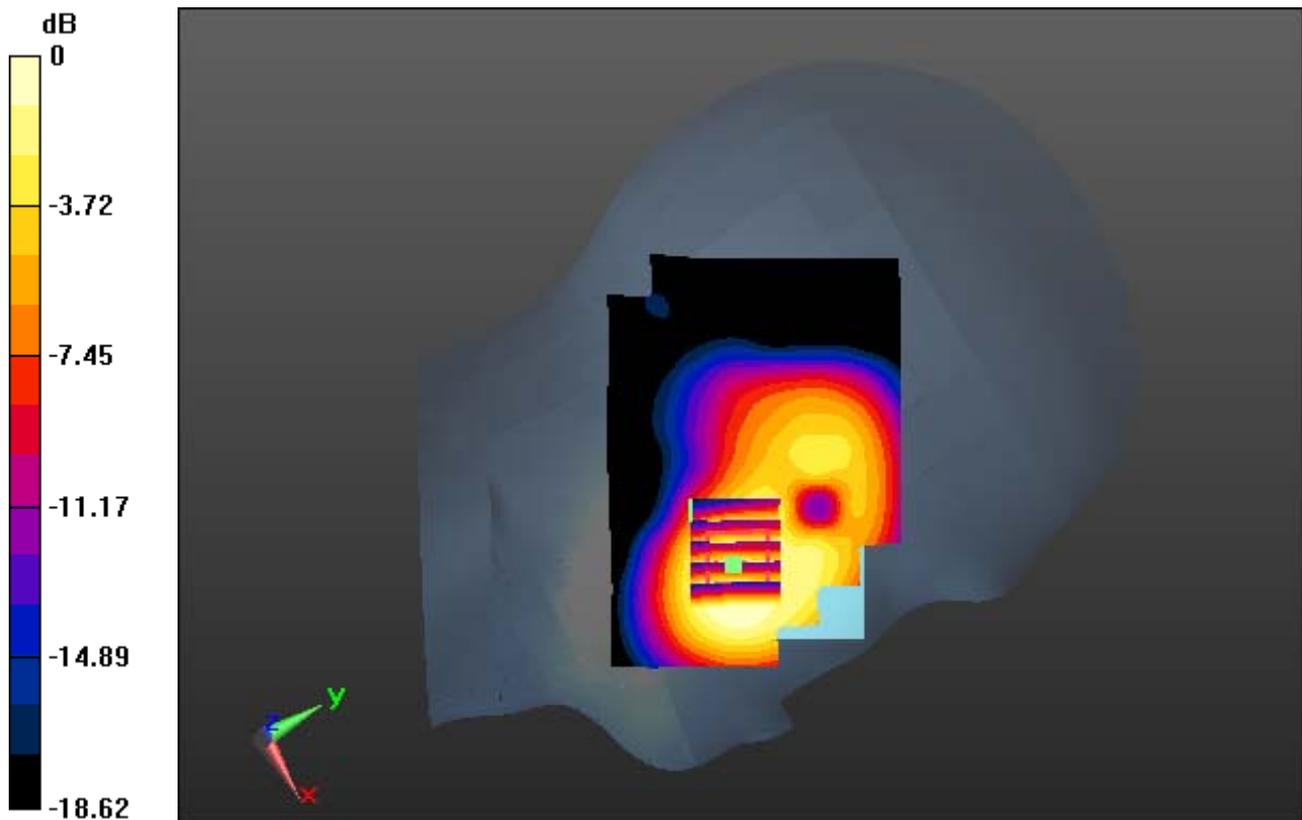
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.140 mW/g

SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.435 W/kg



0 dB = 0.930 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

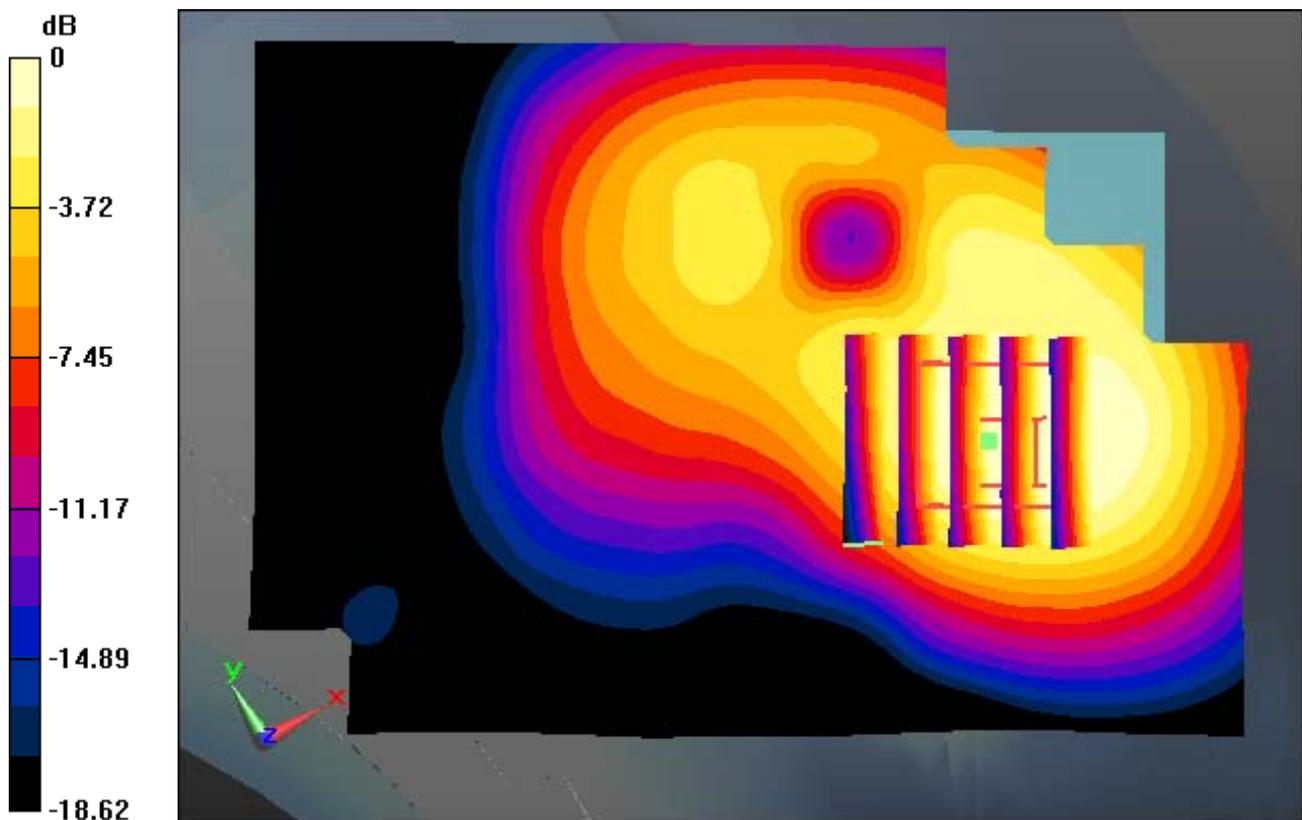
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 1.140 mW/g  
SAR(1 g) = 0.727 W/kg; SAR(10 g) = 0.435 W/kg



0 dB = 0.930 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

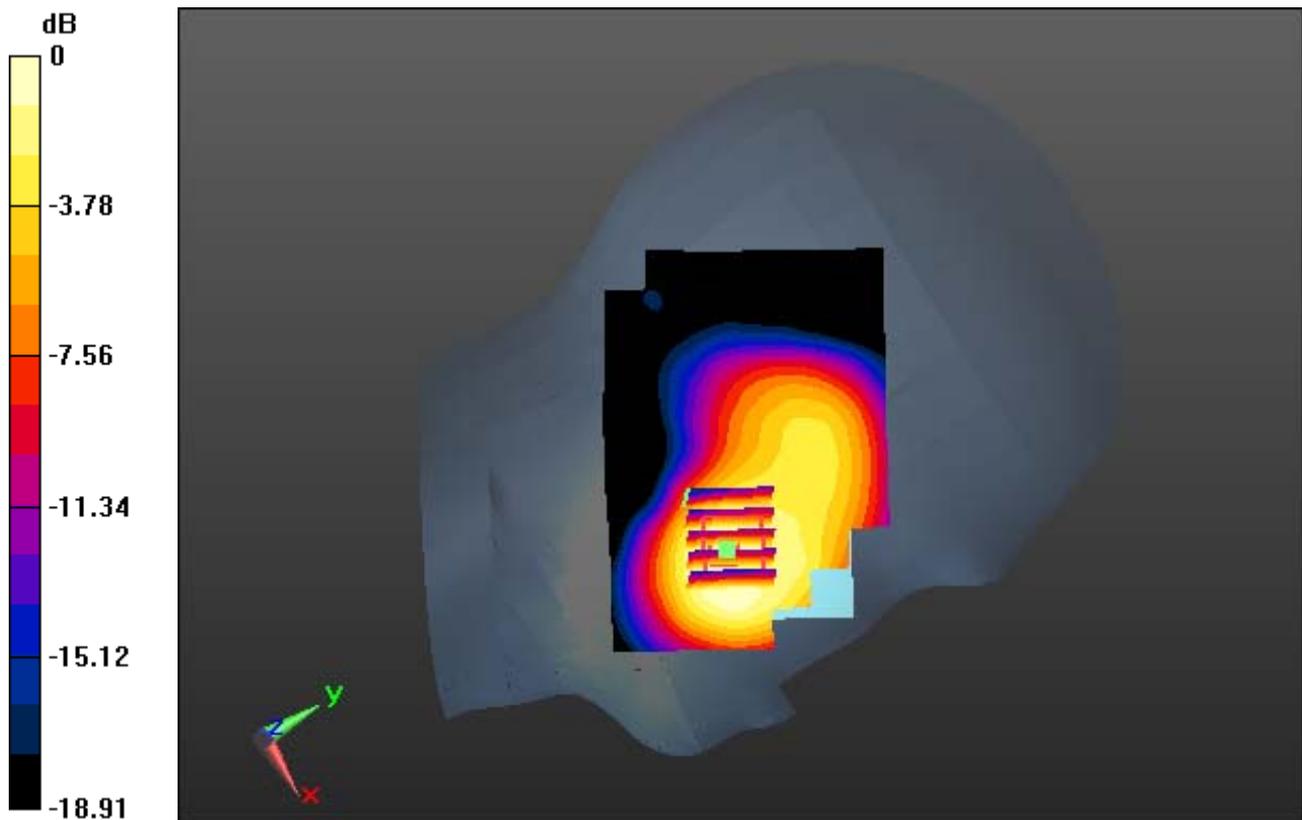
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.331 mW/g

**SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.508 W/kg**



0 dB = 1.09 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

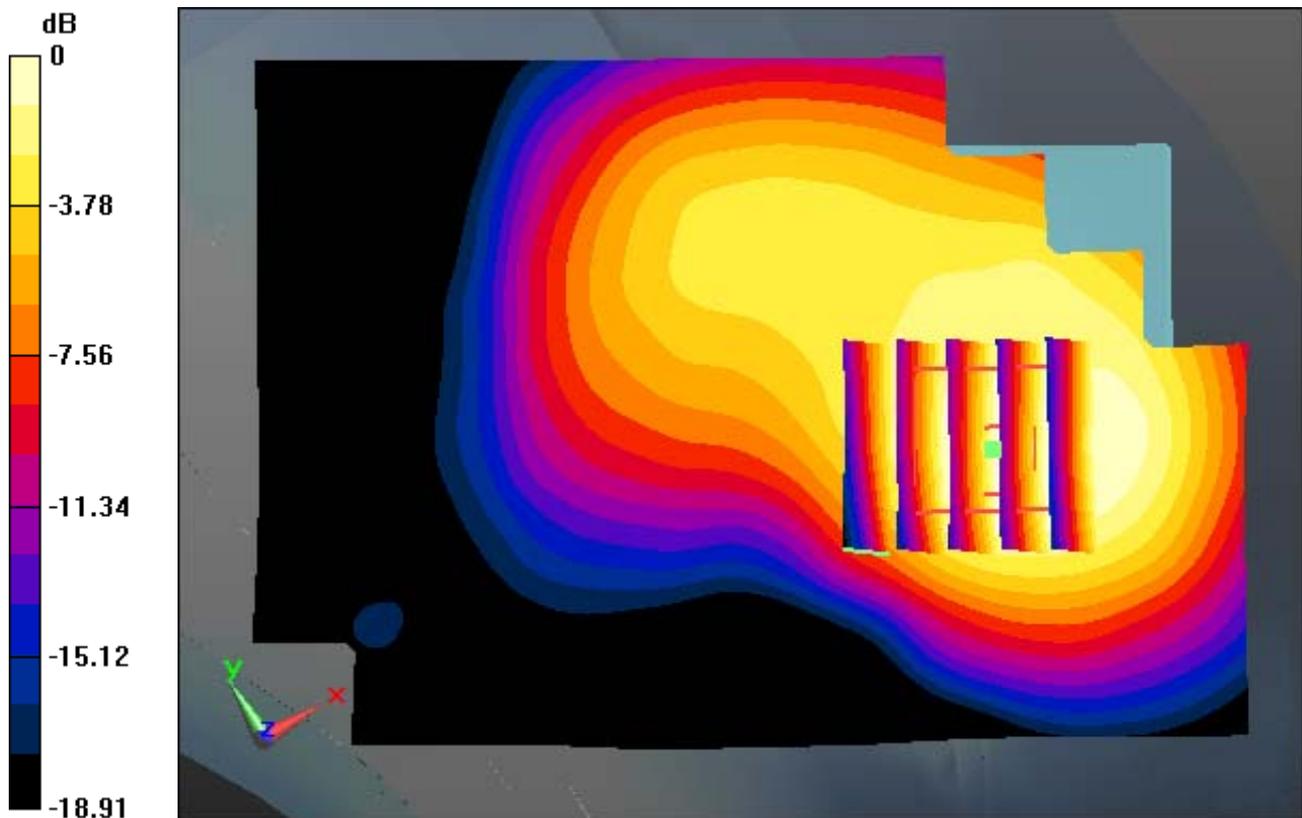
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 1.331 mW/g  
**SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.508 W/kg**



0 dB = 1.09 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 Ch. 810, Ant Internal, Standard Battery**

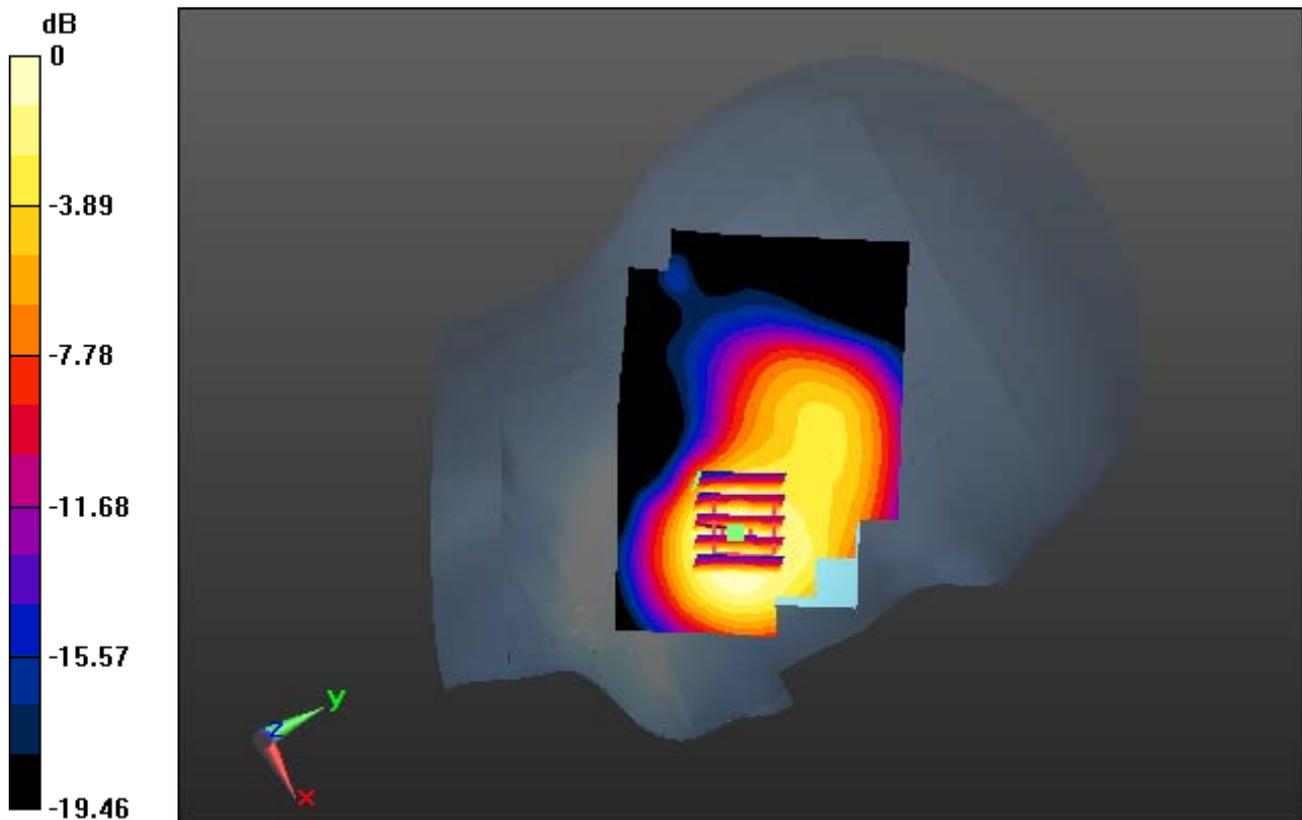
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.242 mW/g

**SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.491 W/kg**



0 dB = 1.12 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 Ch. 810, Ant Internal, Standard Battery**

**With Enlarge plot image**

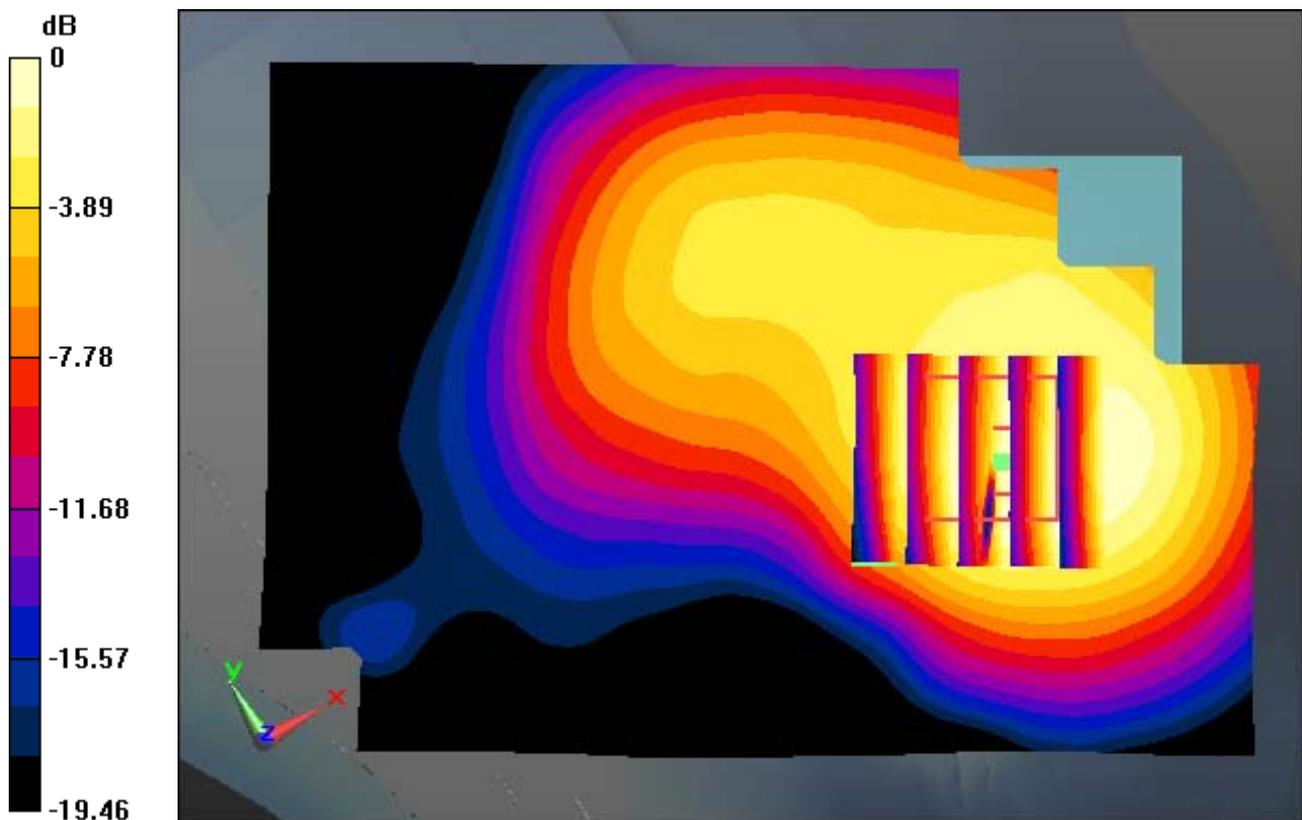
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.242 mW/g

**SAR(1 g) = 0.838 W/kg; SAR(10 g) = 0.491 W/kg**



0 dB = 1.12 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

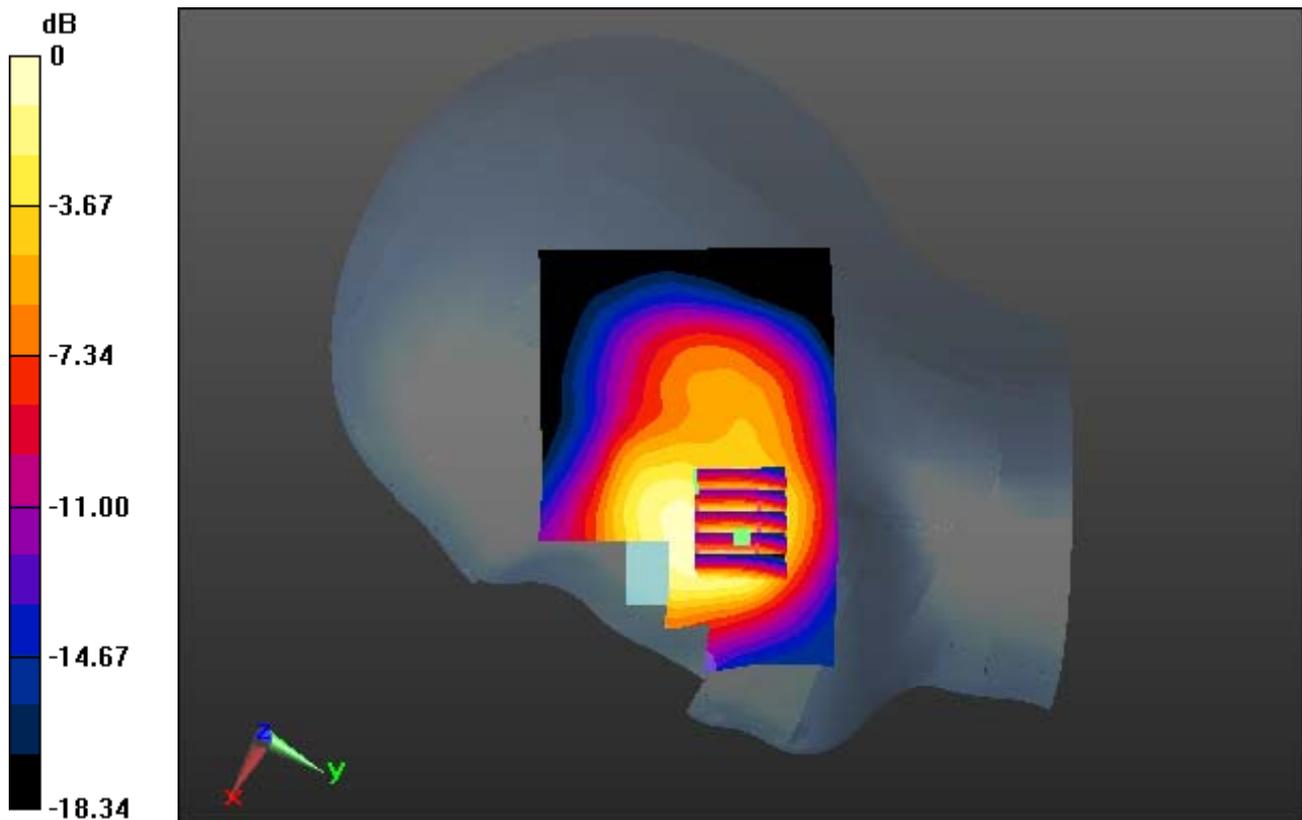
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

## **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 = -0.07 dB  
Peak SAR (extrapolated) = 1.108 mW/g  
**SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.430 W/kg**



0 dB = 0.926 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

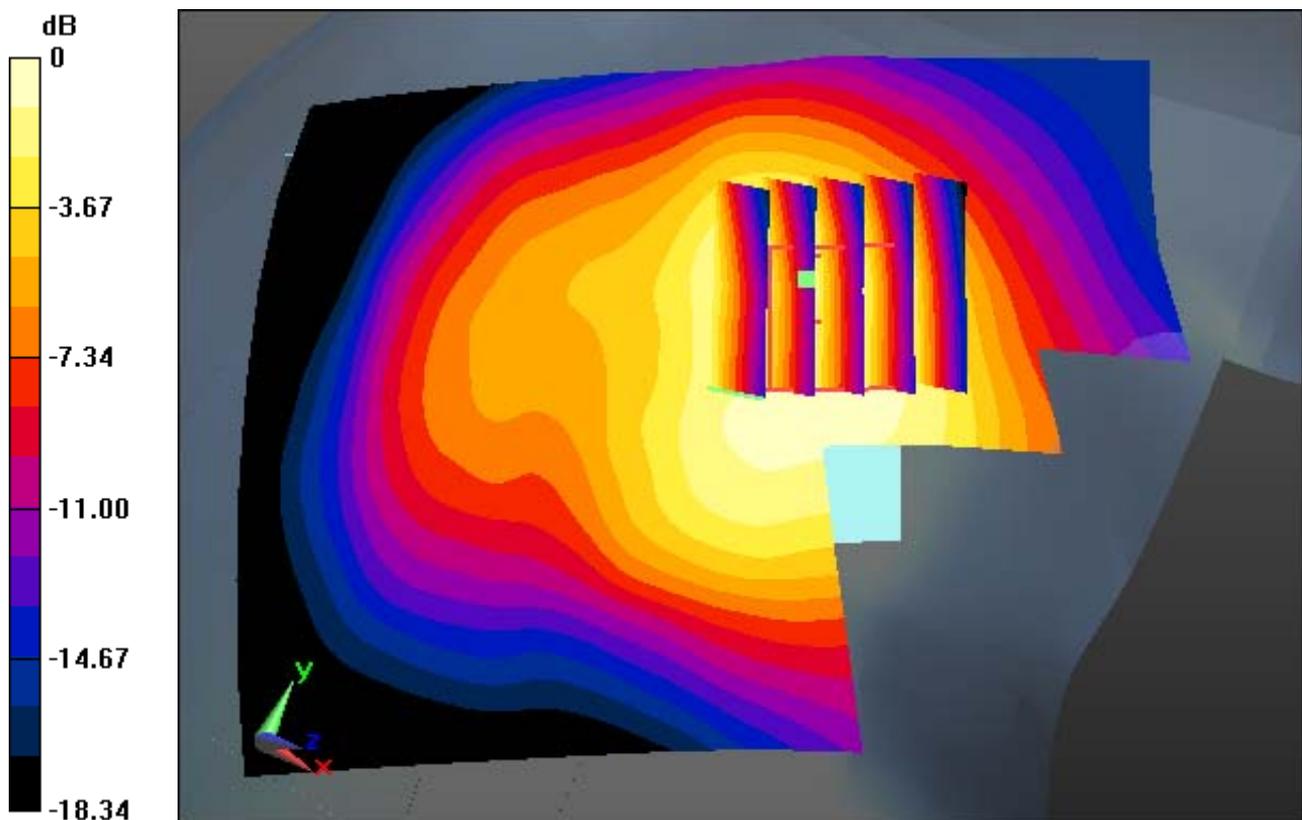
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.108 mW/g  
**SAR(1 g) = 0.713 W/kg; SAR(10 g) = 0.430 W/kg**



0 dB = 0.926 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

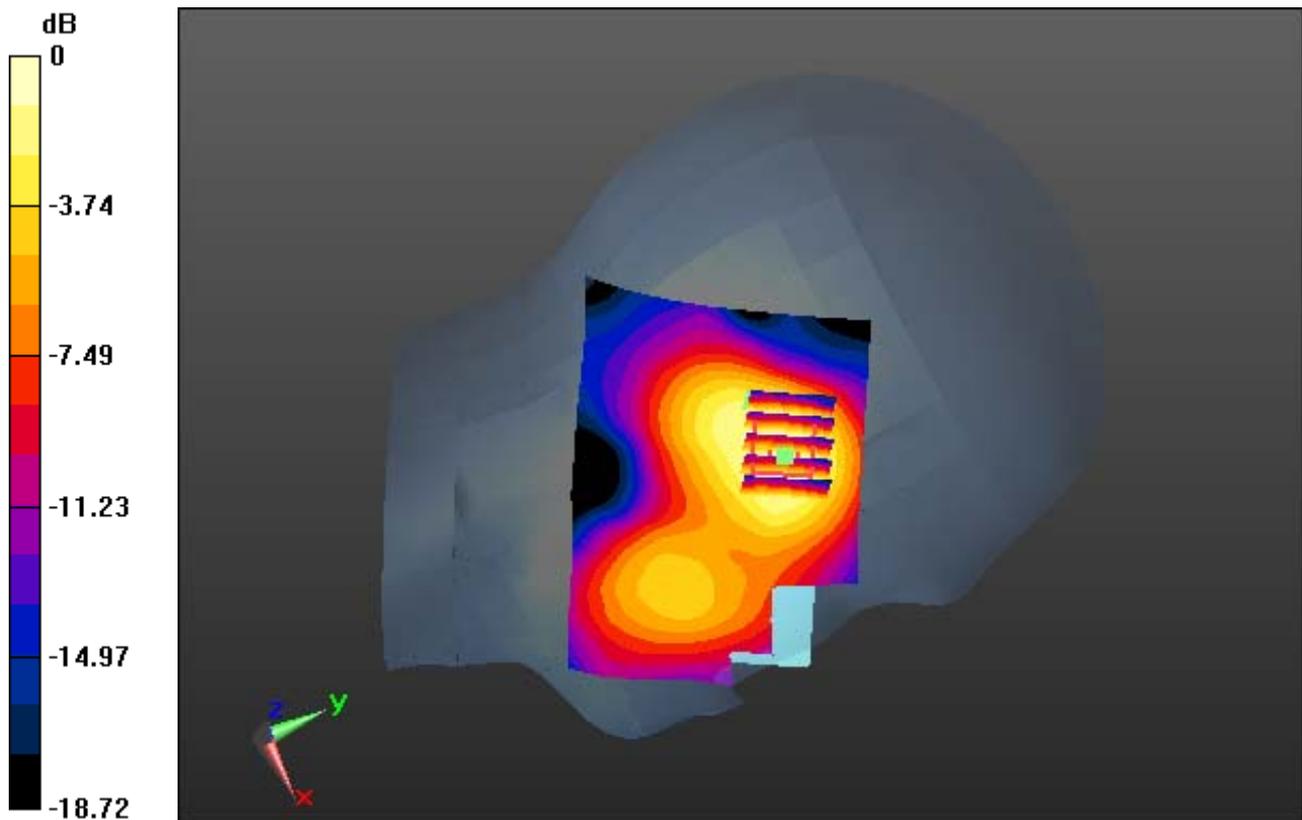
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.552 mW/g

SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.206 W/kg



0 dB = 0.450 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

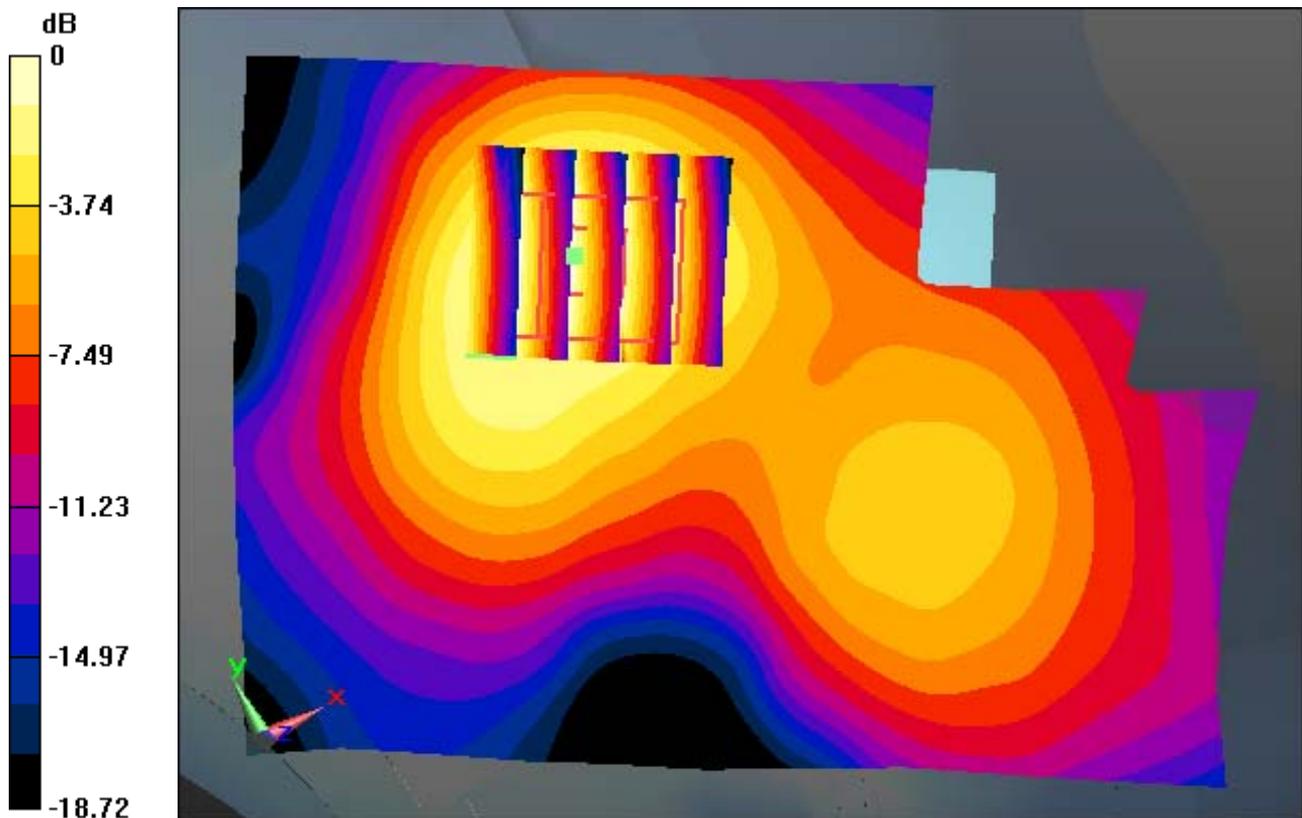
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 0.552 mW/g  
SAR(1 g) = 0.346 W/kg; SAR(10 g) = 0.206 W/kg



0 dB = 0.450 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

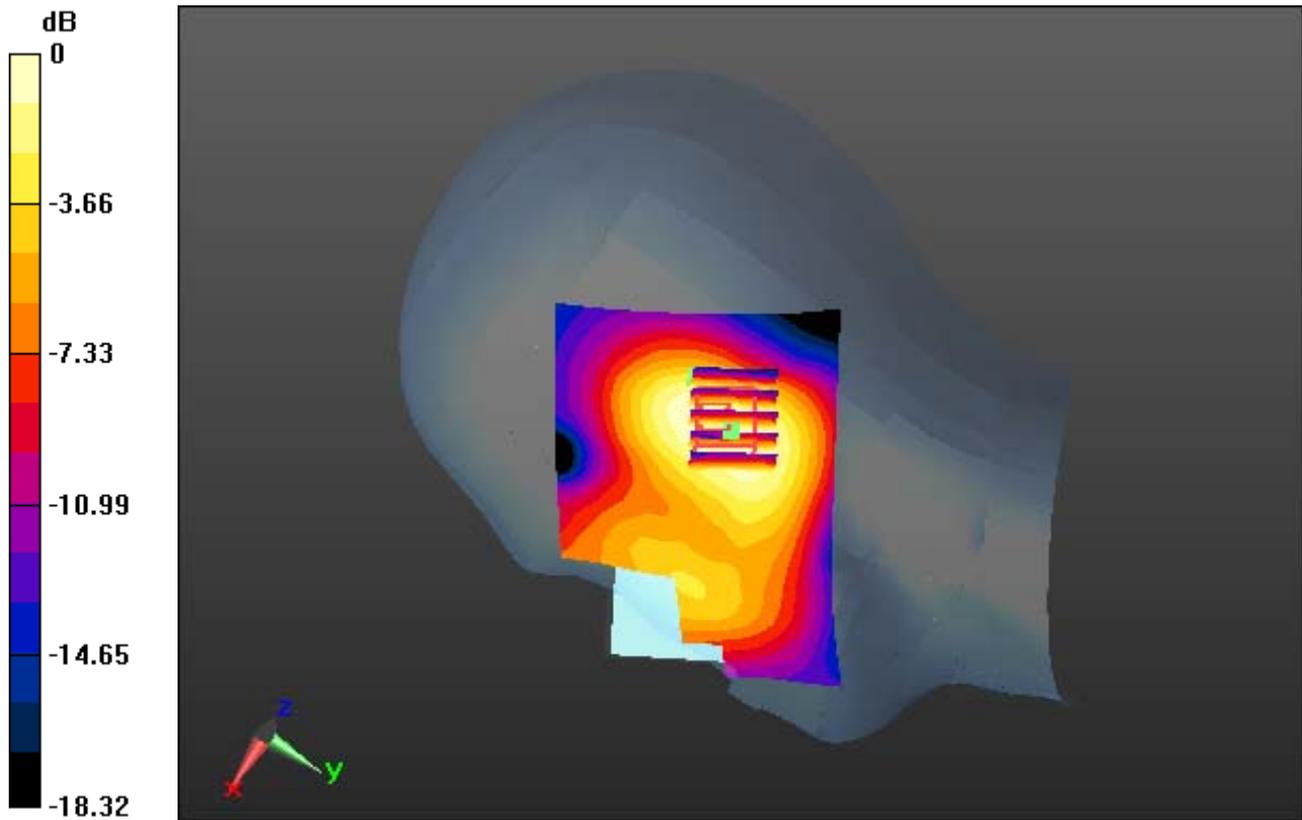
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Right 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 = 0.19 dB  
Peak SAR (extrapolated) = 0.356 mW/g  
**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.140 W/kg**



0 dB = 0.288 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

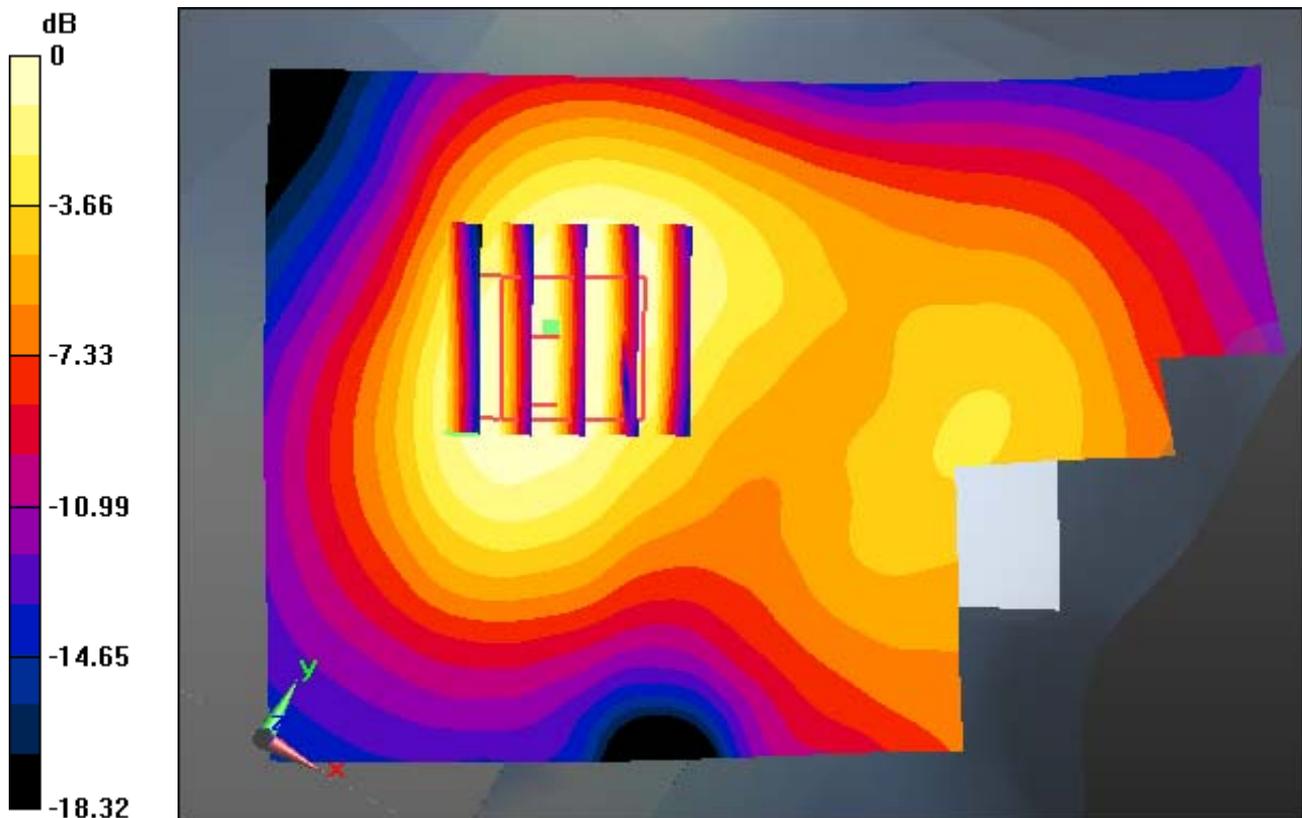
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 0.356 mW/g  
**SAR(1 g) = 0.226 W/kg; SAR(10 g) = 0.140 W/kg**



0 dB = 0.288 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

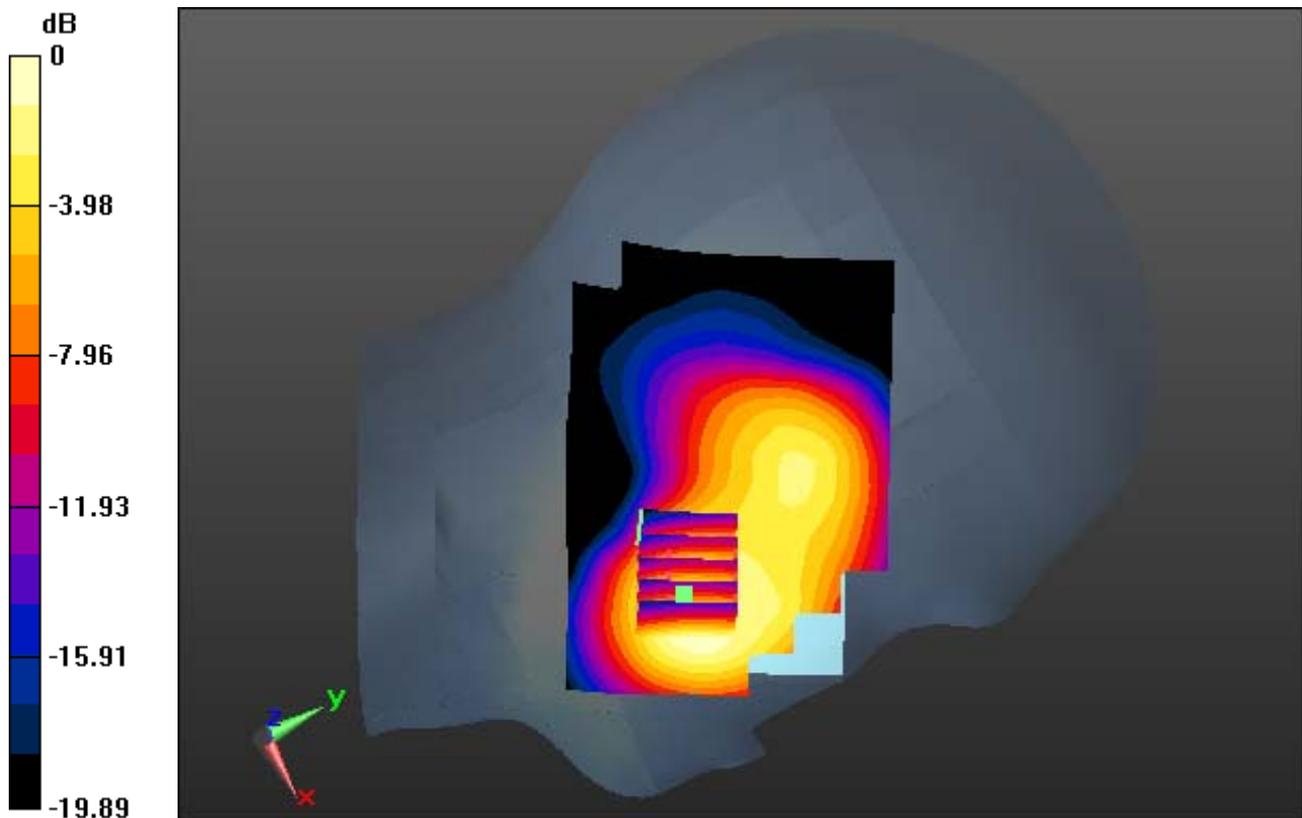
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

## **SAR Variability Result**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.300 mW/g  
**SAR(1 g) = 0.812 W/kg; SAR(10 g) = 0.485 W/kg**



0 dB = 1.06 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

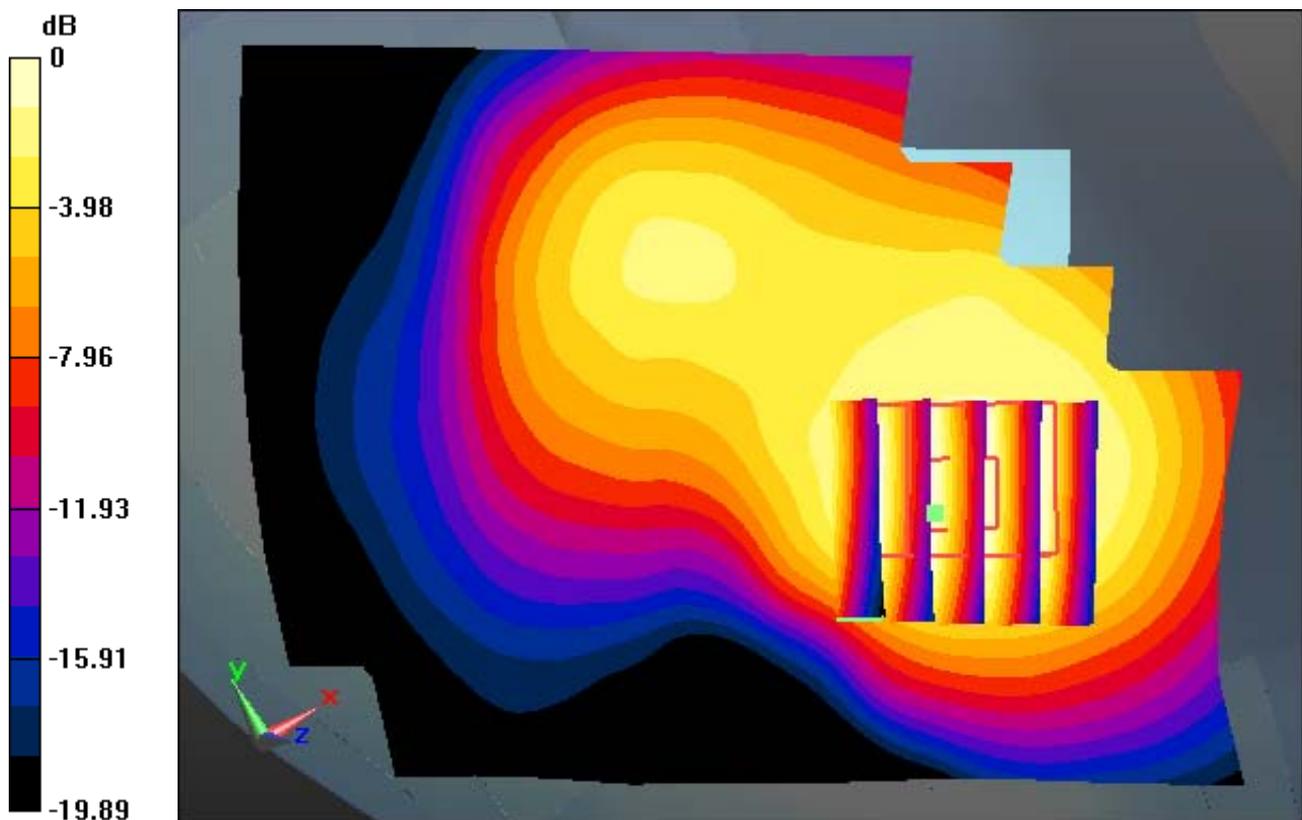
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

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

## **SAR Variability Result, With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.300 mW/g  
**SAR(1 g) = 0.812 W/kg; SAR(10 g) = 0.485 W/kg**



0 dB = 1.06 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

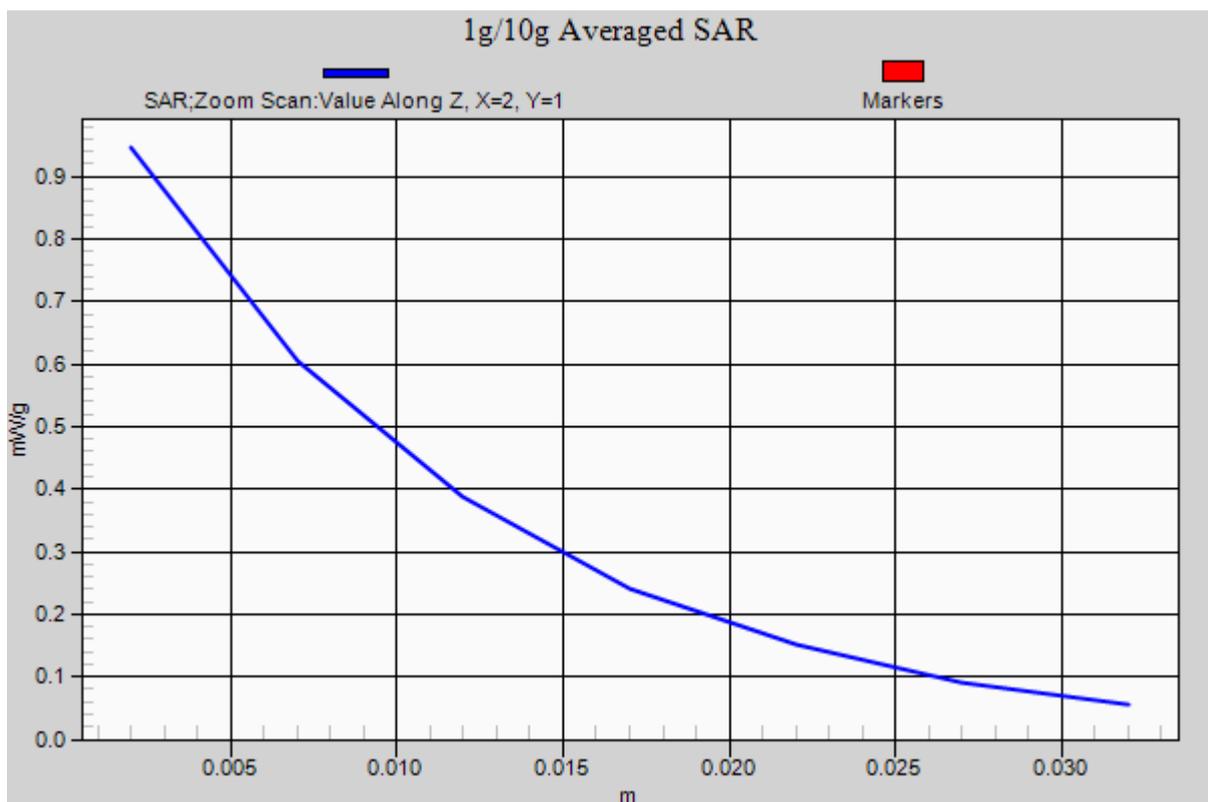
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**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 = -0.03 dB  
Peak SAR (extrapolated) = 1.331 mW/g  
**SAR(1 g) = 0.849 W/kg; SAR(10 g) = 0.508 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery**

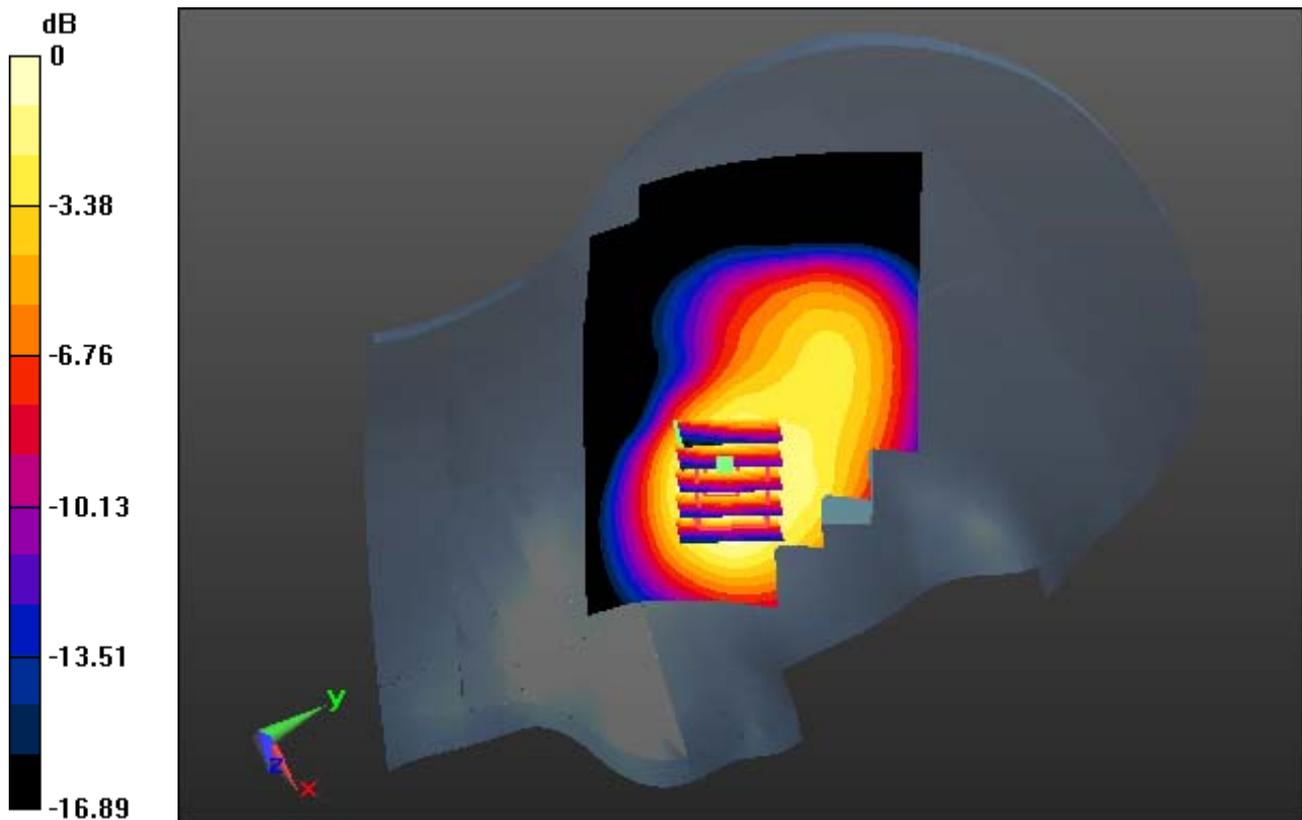
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.164 mW/g

SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.445 W/kg



0 dB = 0.956 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

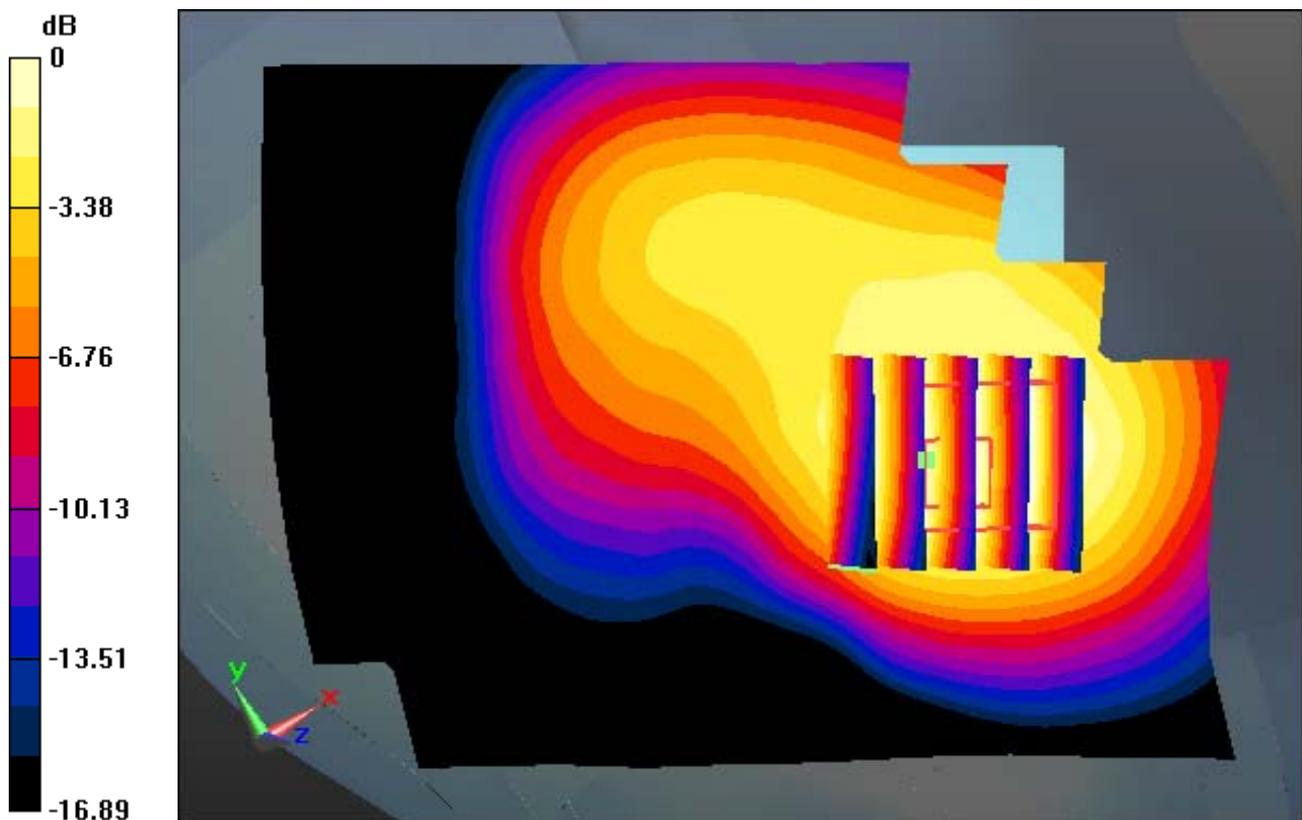
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 1 Tx Ch. 512, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 1.164 mW/g  
SAR(1 g) = 0.740 W/kg; SAR(10 g) = 0.445 W/kg



0 dB = 0.956 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery**

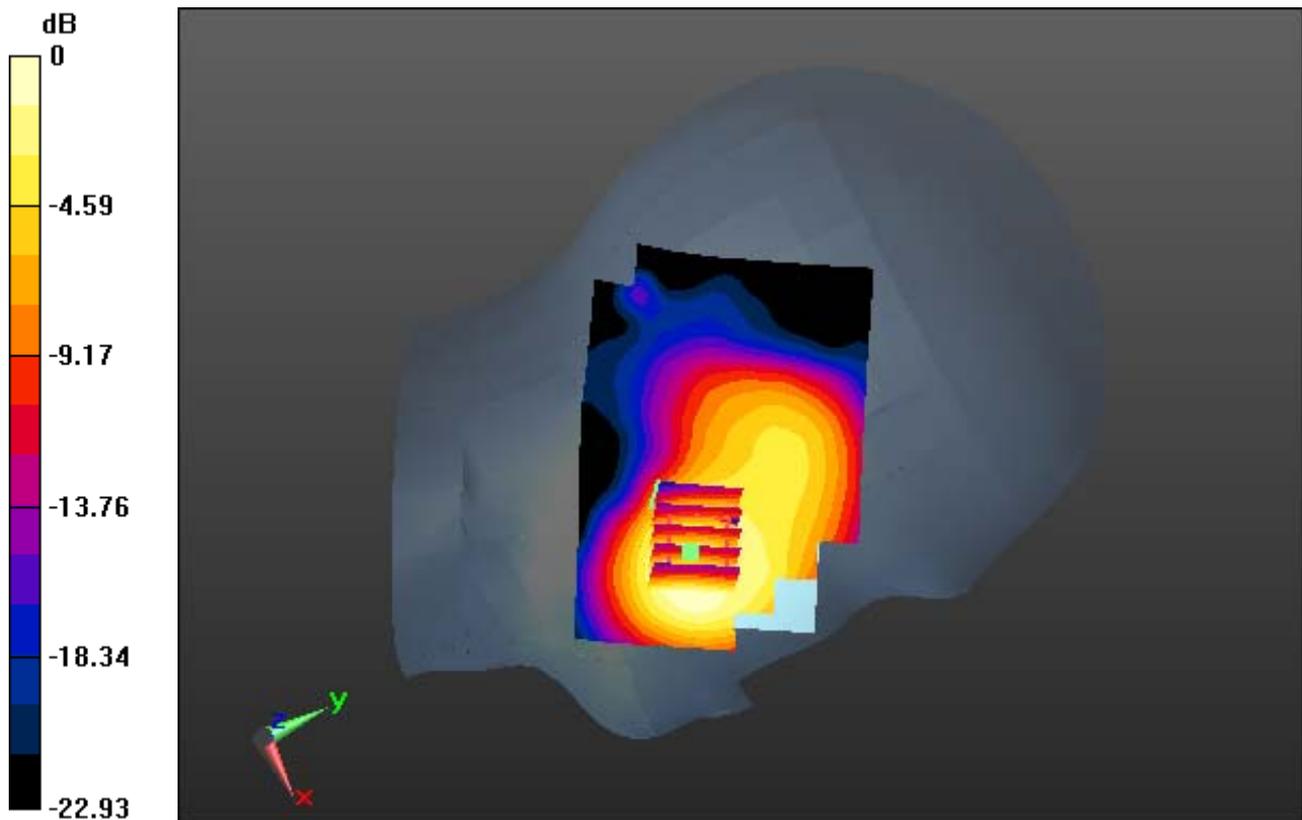
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.356 mW/g

SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.504 W/kg



0 dB = 1.12 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

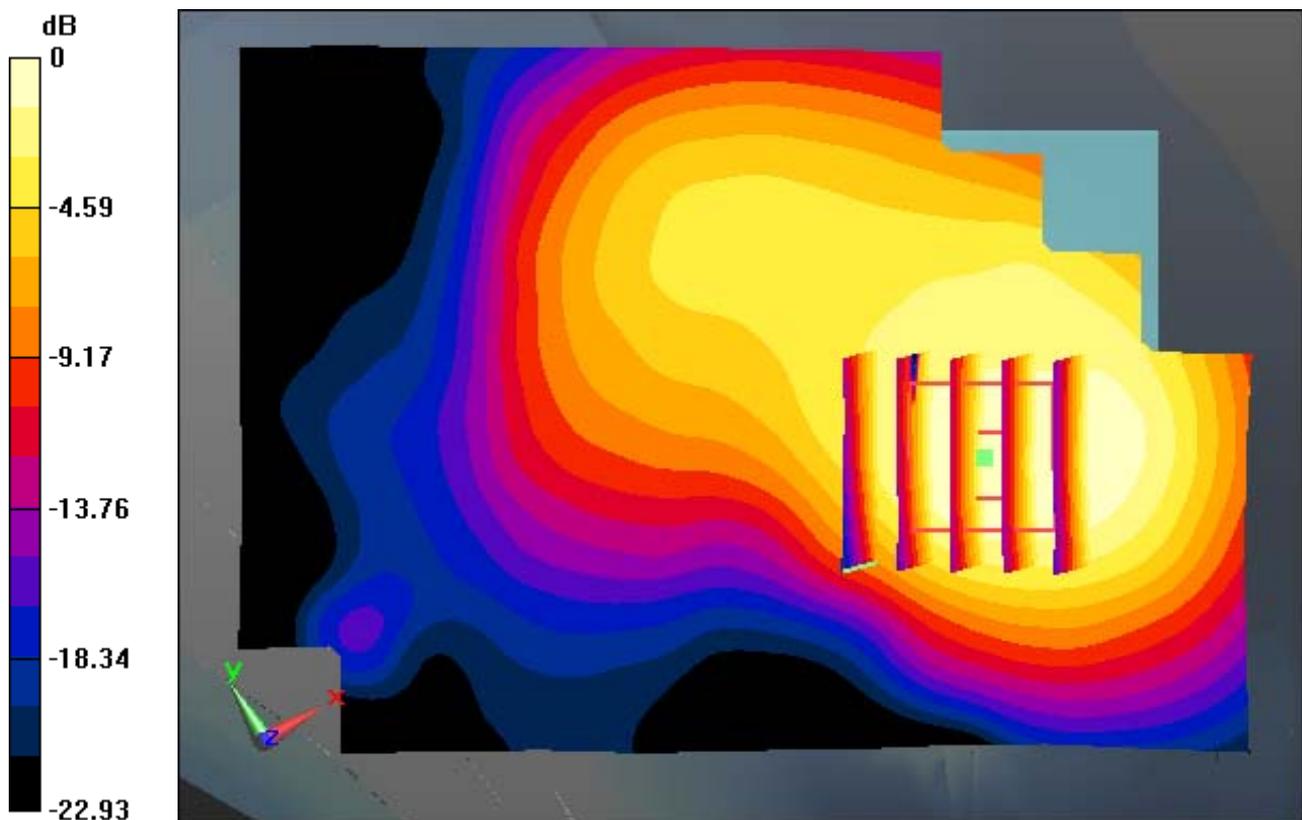
Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 1 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.356 mW/g  
**SAR(1 g) = 0.850 W/kg; SAR(10 g) = 0.504 W/kg**



0 dB = 1.12 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal, Standard Battery**

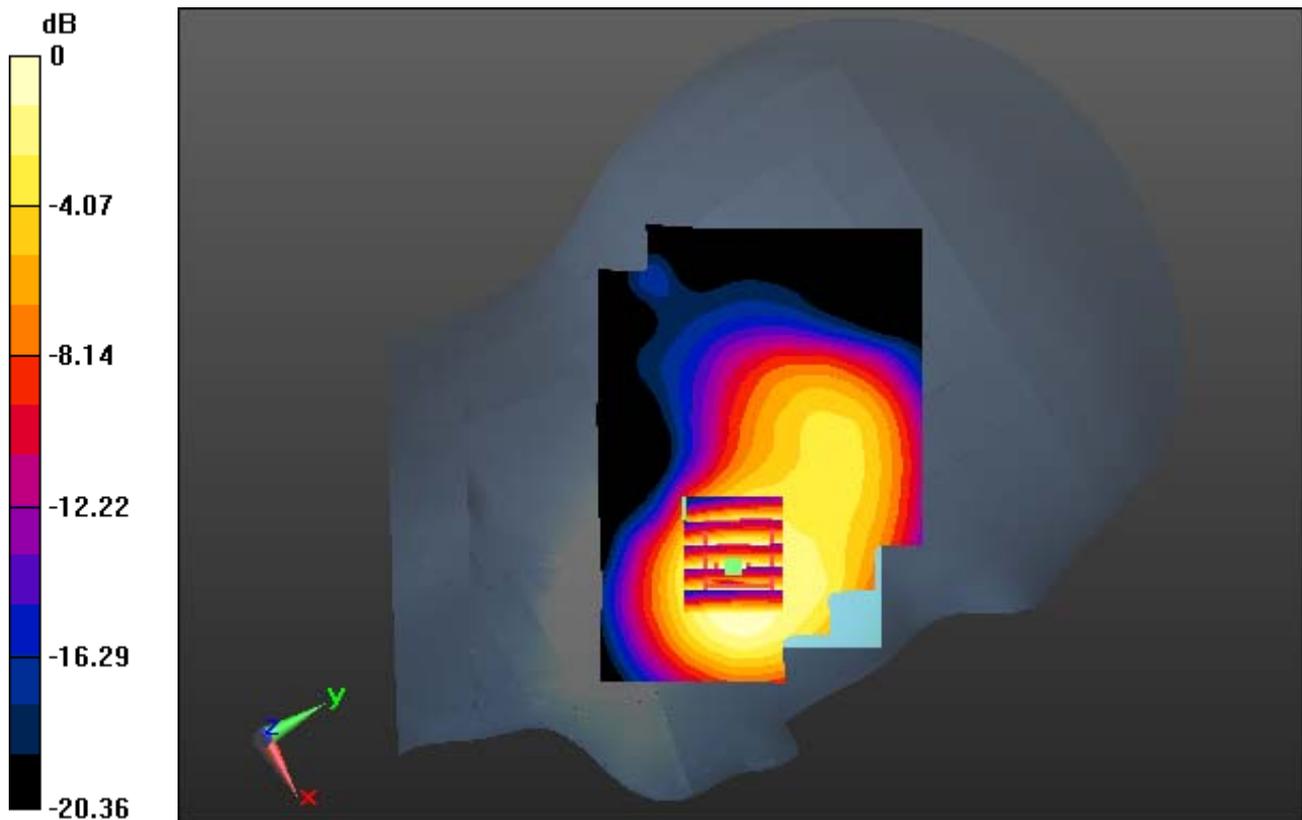
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.275 mW/g

**SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.498 W/kg**



0 dB = 1.14 mW/g = 1.14 dB mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 1 Tx Ch. 810, Ant Internal, Standard Battery**

**With Enlarge plot image**

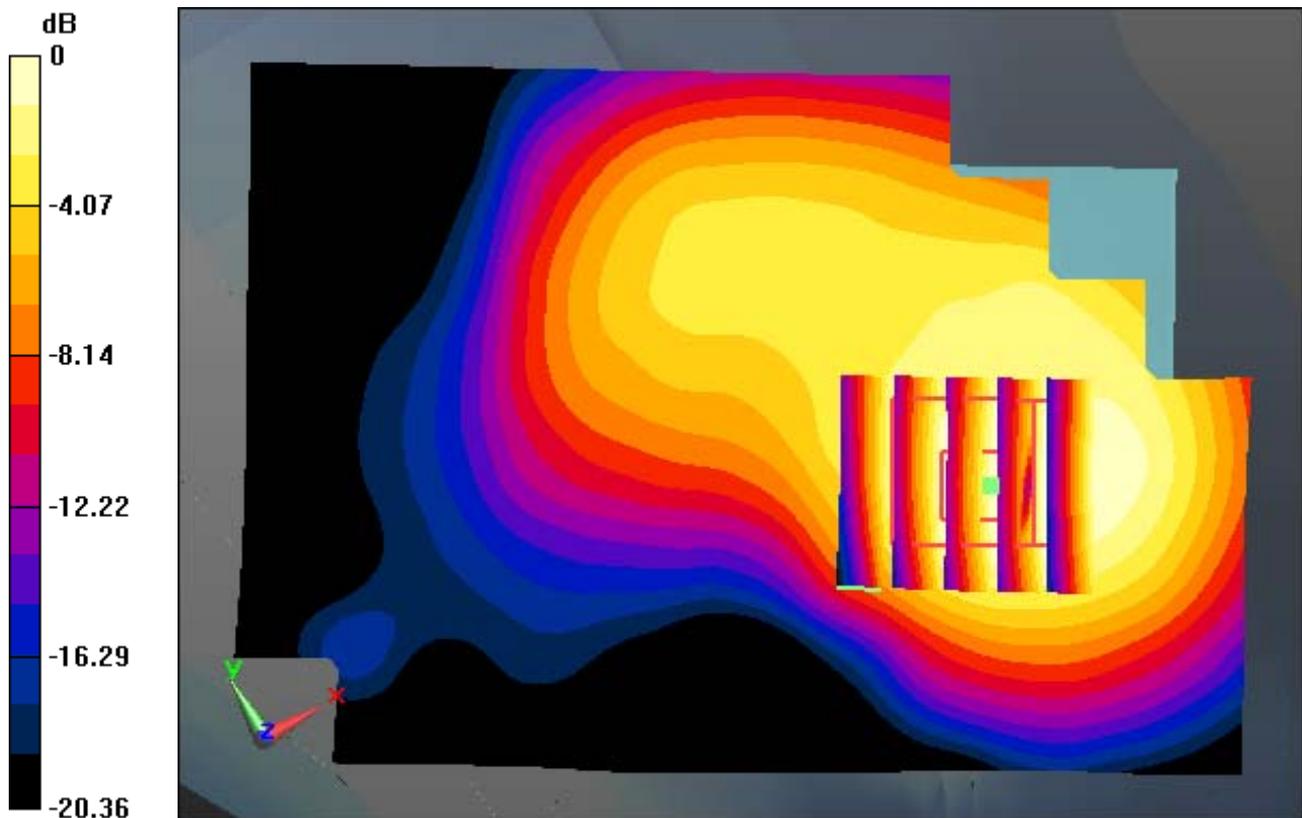
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.275 mW/g

**SAR(1 g) = 0.857 W/kg; SAR(10 g) = 0.498 W/kg**



0 dB = 1.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal, Standard Battery**

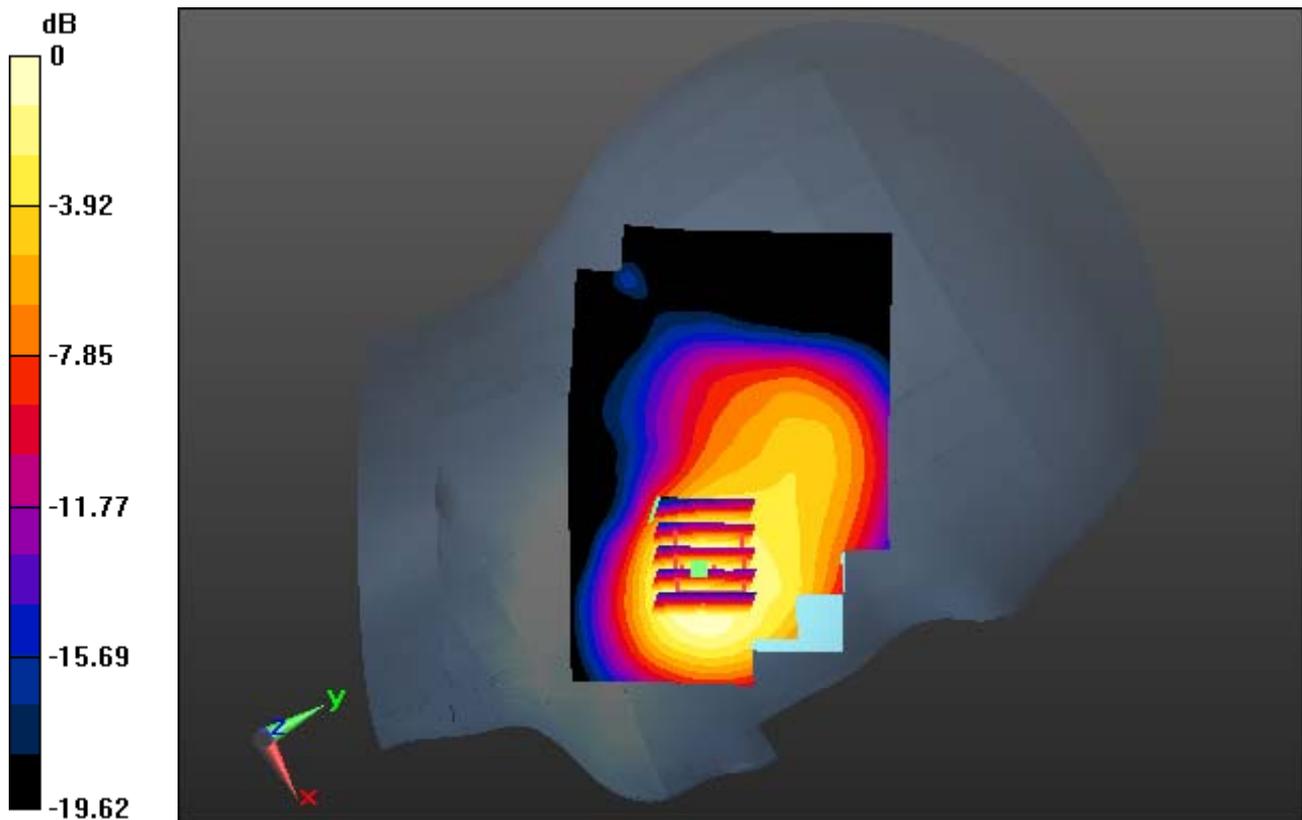
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.186 mW/g

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.441 W/kg



0 dB = 0.981 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal, Standard Battery**

**With Enlarge plot image**

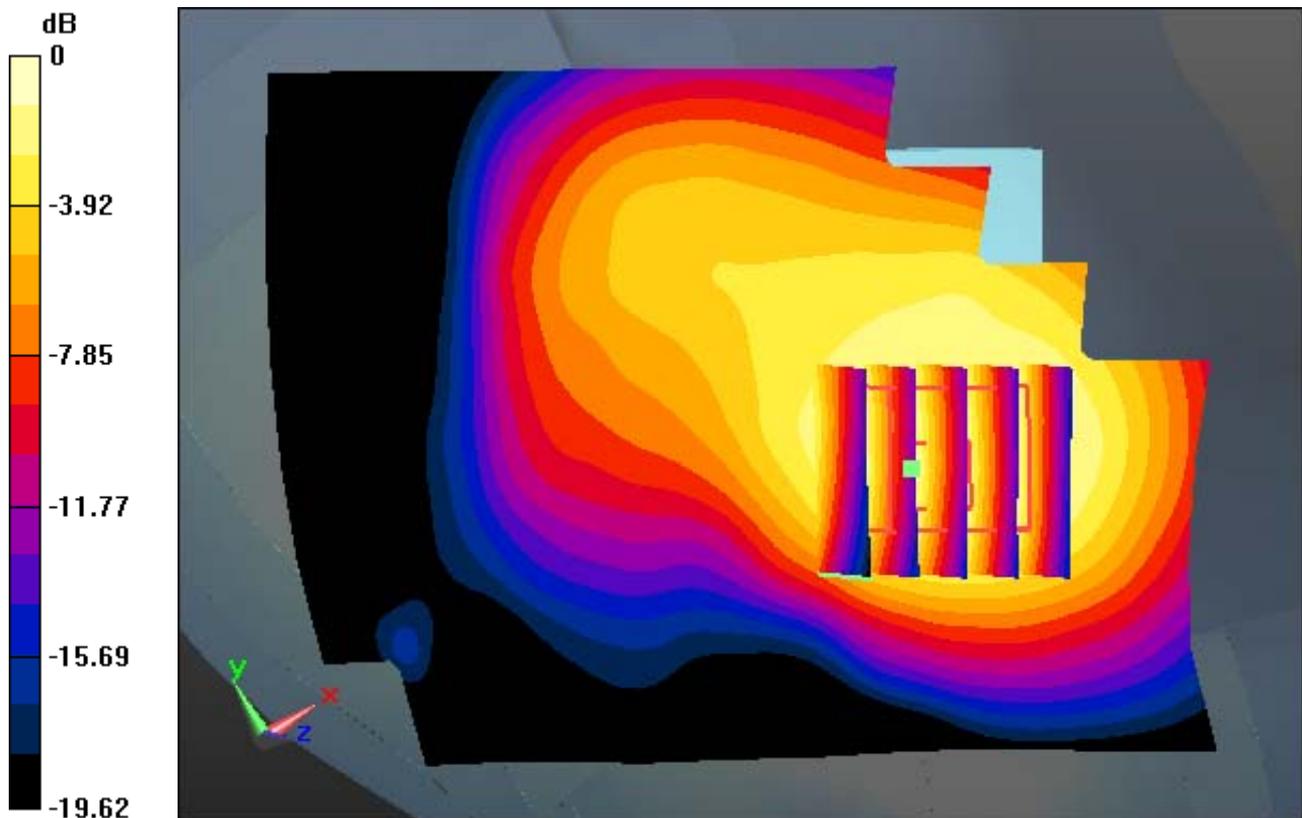
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.186 mW/g

SAR(1 g) = 0.745 W/kg; SAR(10 g) = 0.441 W/kg



0 dB = 0.981 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal, Standard Battery**

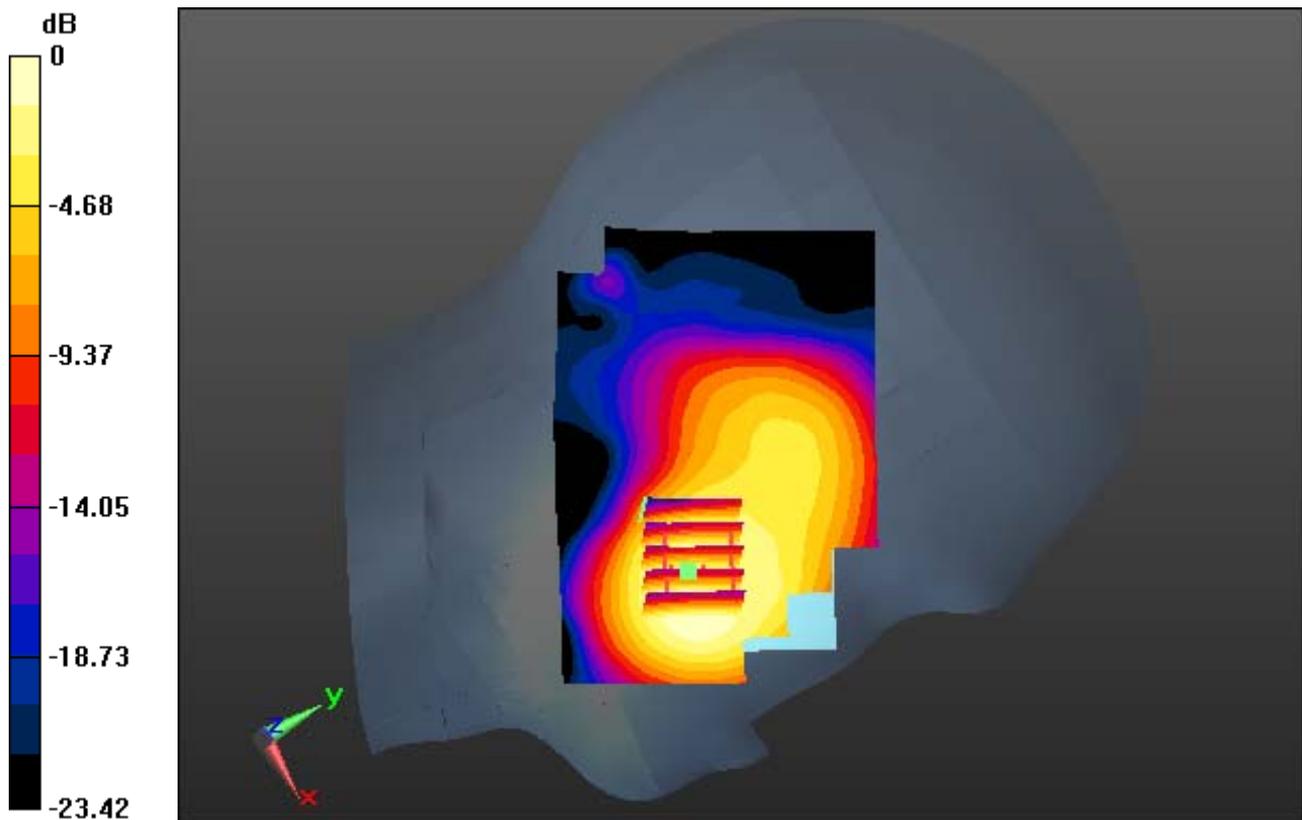
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.316 mW/g

SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.488 W/kg



0 dB = 1.08 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

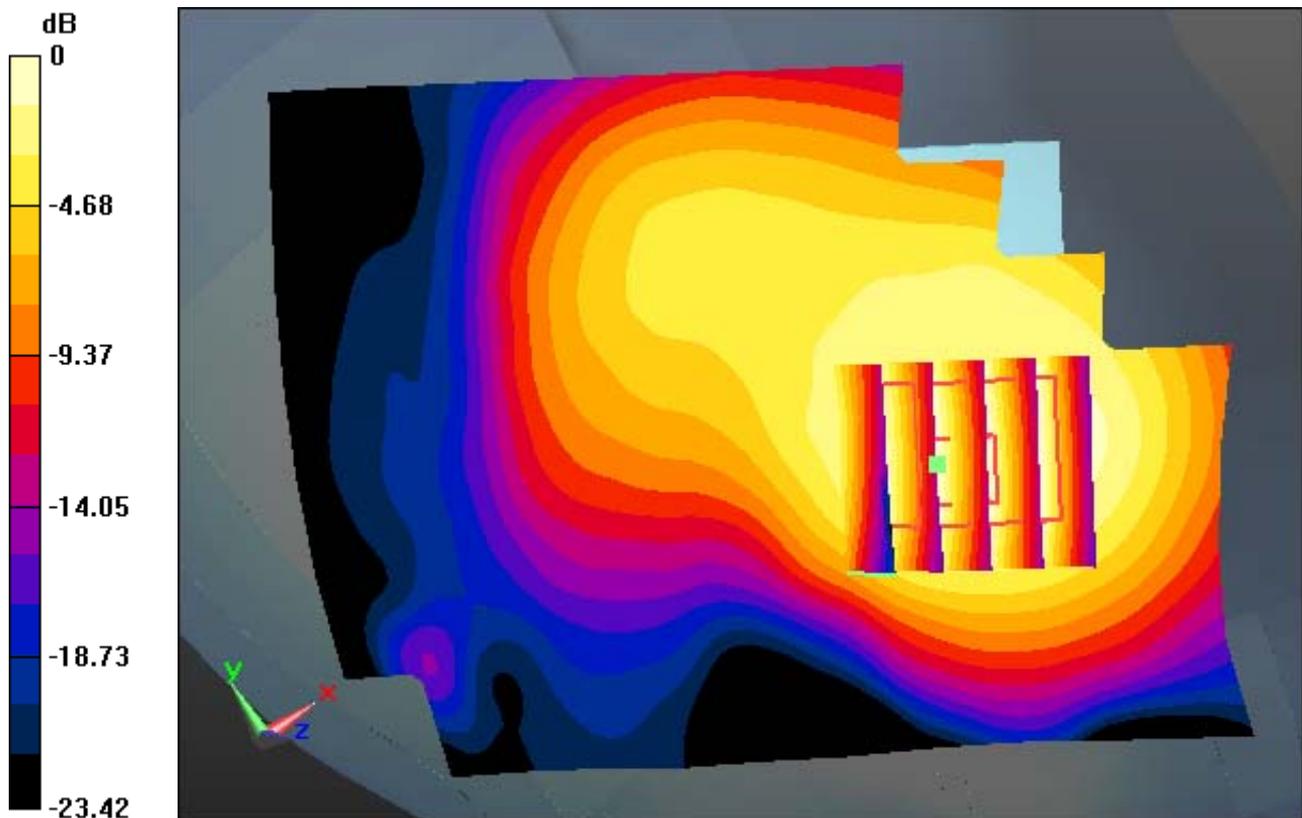
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.316 mW/g

**SAR(1 g) = 0.825 W/kg; SAR(10 g) = 0.488 W/kg**



0 dB = 1.08 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal, Standard Battery**

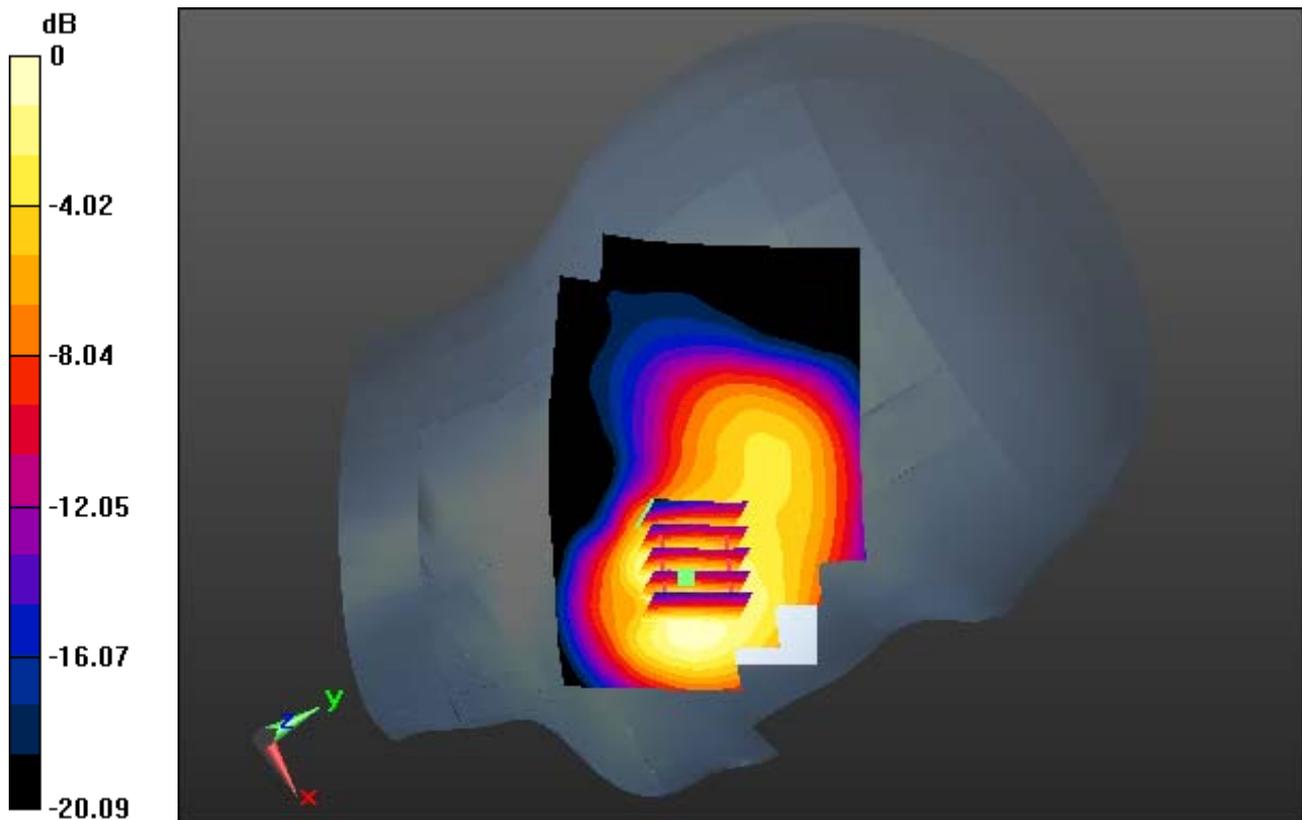
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.165 mW/g

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.482 W/kg



0 dB = 1.06 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal, Standard Battery**

**With Enlarge plot image**

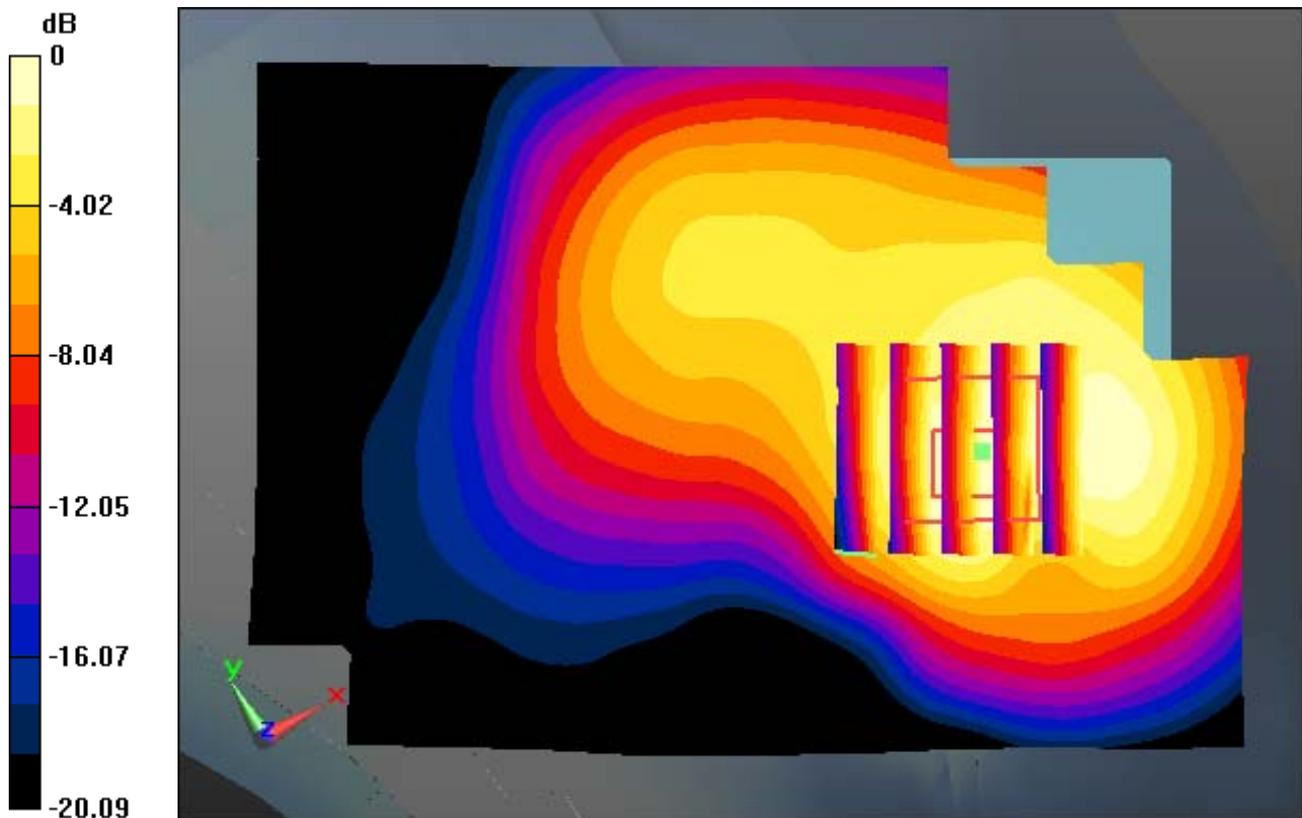
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.165 mW/g

SAR(1 g) = 0.826 W/kg; SAR(10 g) = 0.482 W/kg



0 dB = 1.06 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal, Standard Battery**

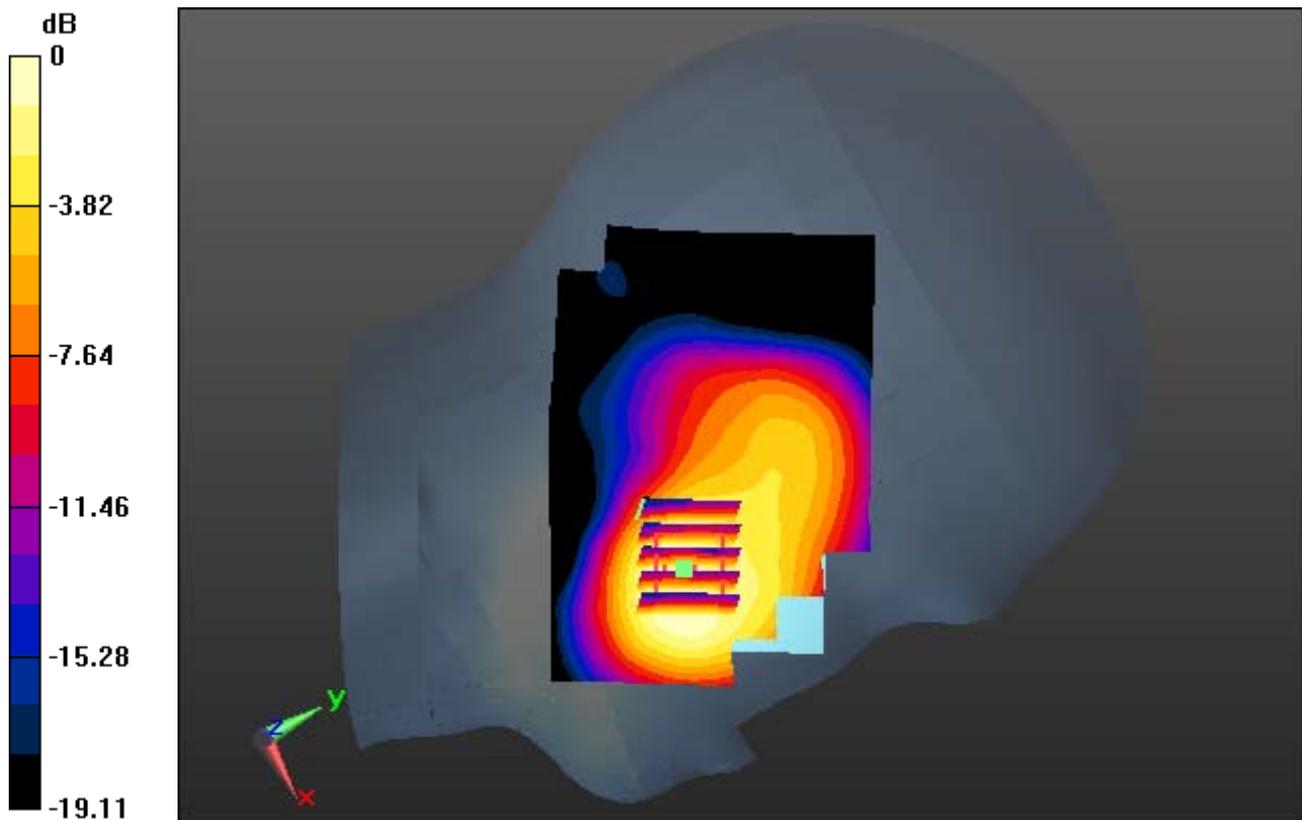
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.312 mW/g

SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.479 W/kg



0 dB = 1.05 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal, Standard Battery**

**With Enlarge plot image**

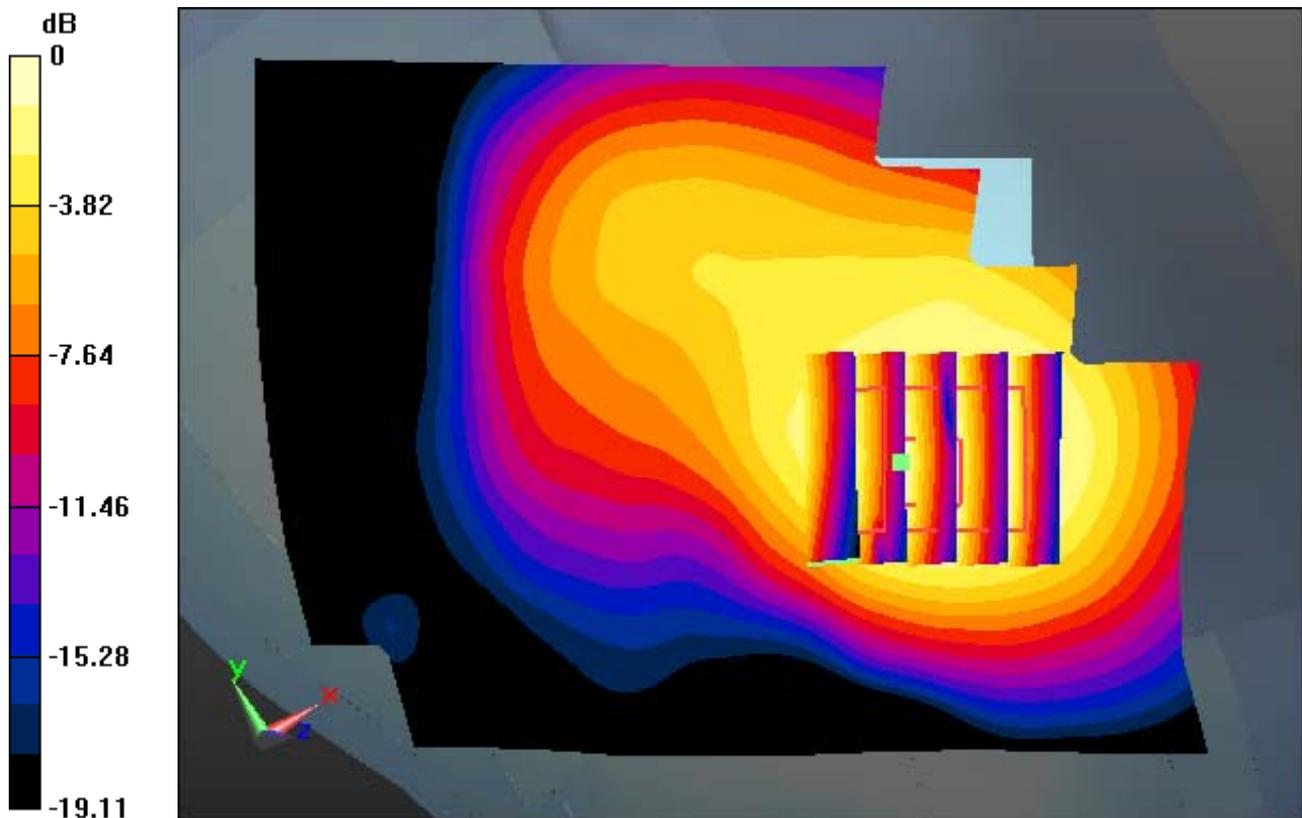
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.312 mW/g

**SAR(1 g) = 0.810 W/kg; SAR(10 g) = 0.479 W/kg**



0 dB = 1.05 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

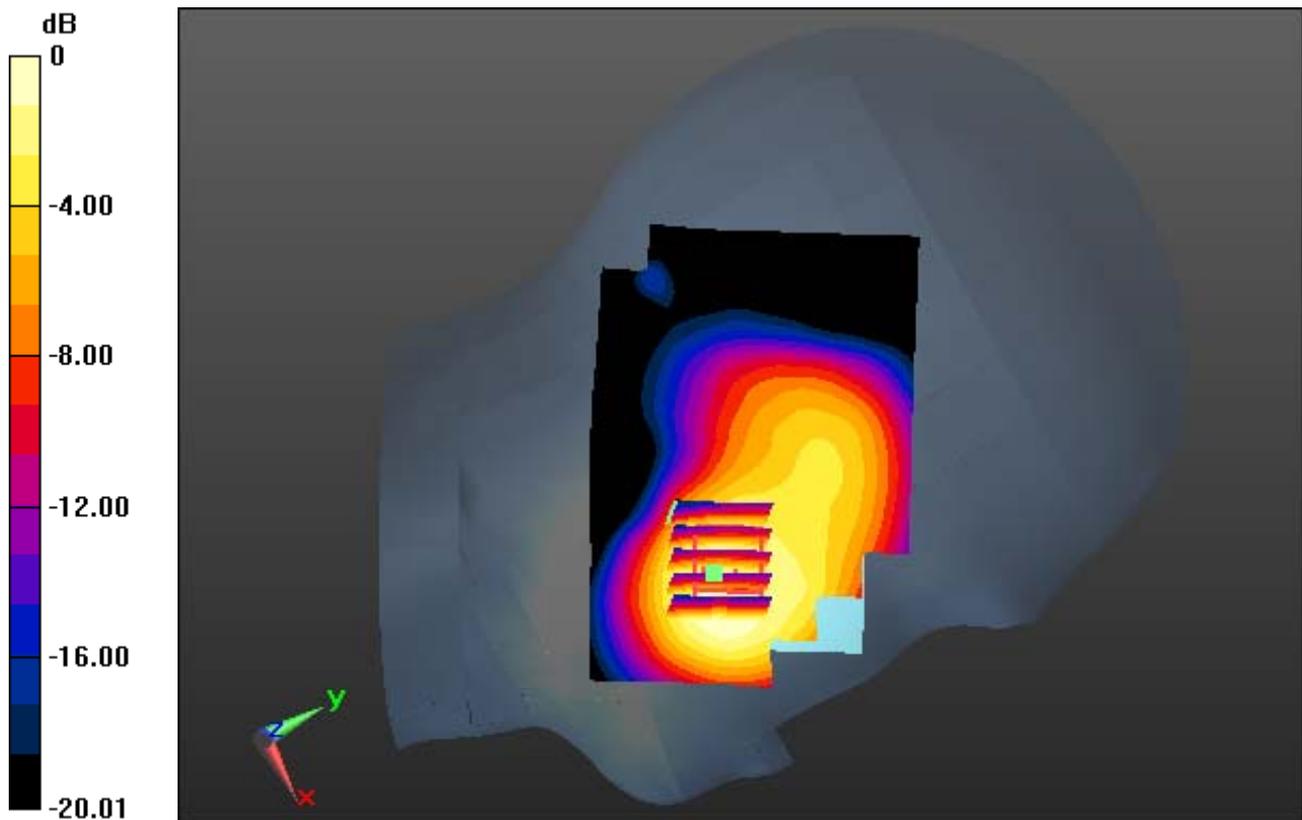
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.417 mW/g

**SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.526 W/kg**



0 dB = 1.19 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

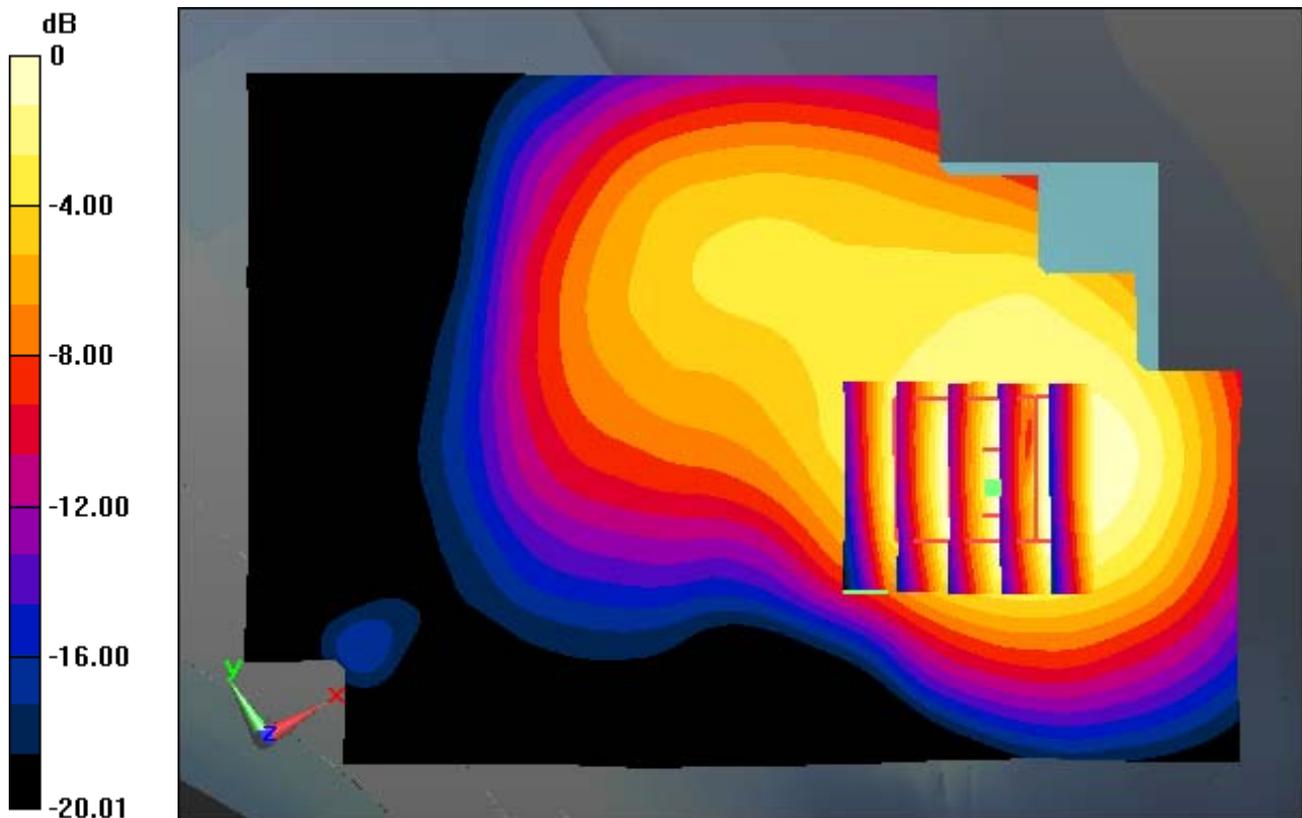
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.417 mW/g

**SAR(1 g) = 0.897 W/kg; SAR(10 g) = 0.526 W/kg**



0 dB = 1.19 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery**

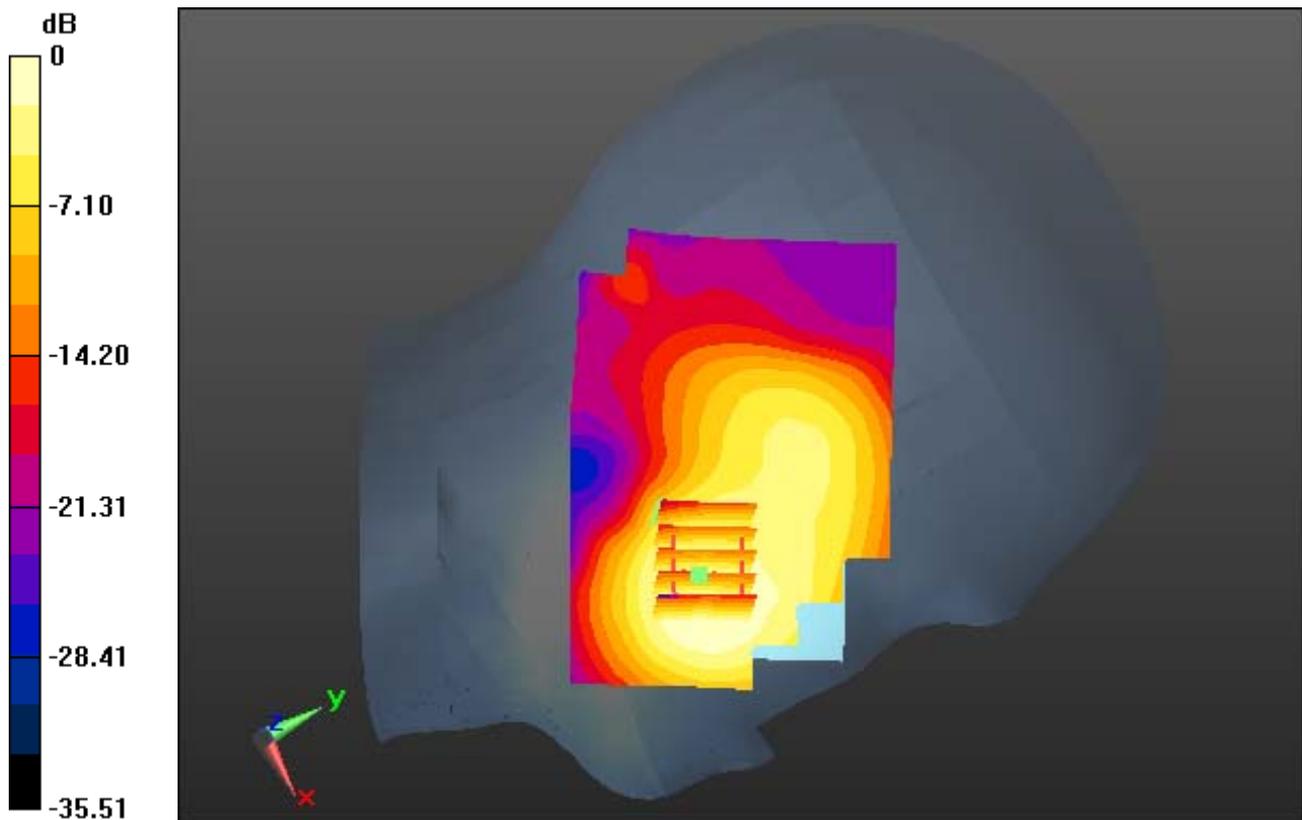
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.496 mW/g

SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.549 W/kg



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery**

**With Enlarge plot image**

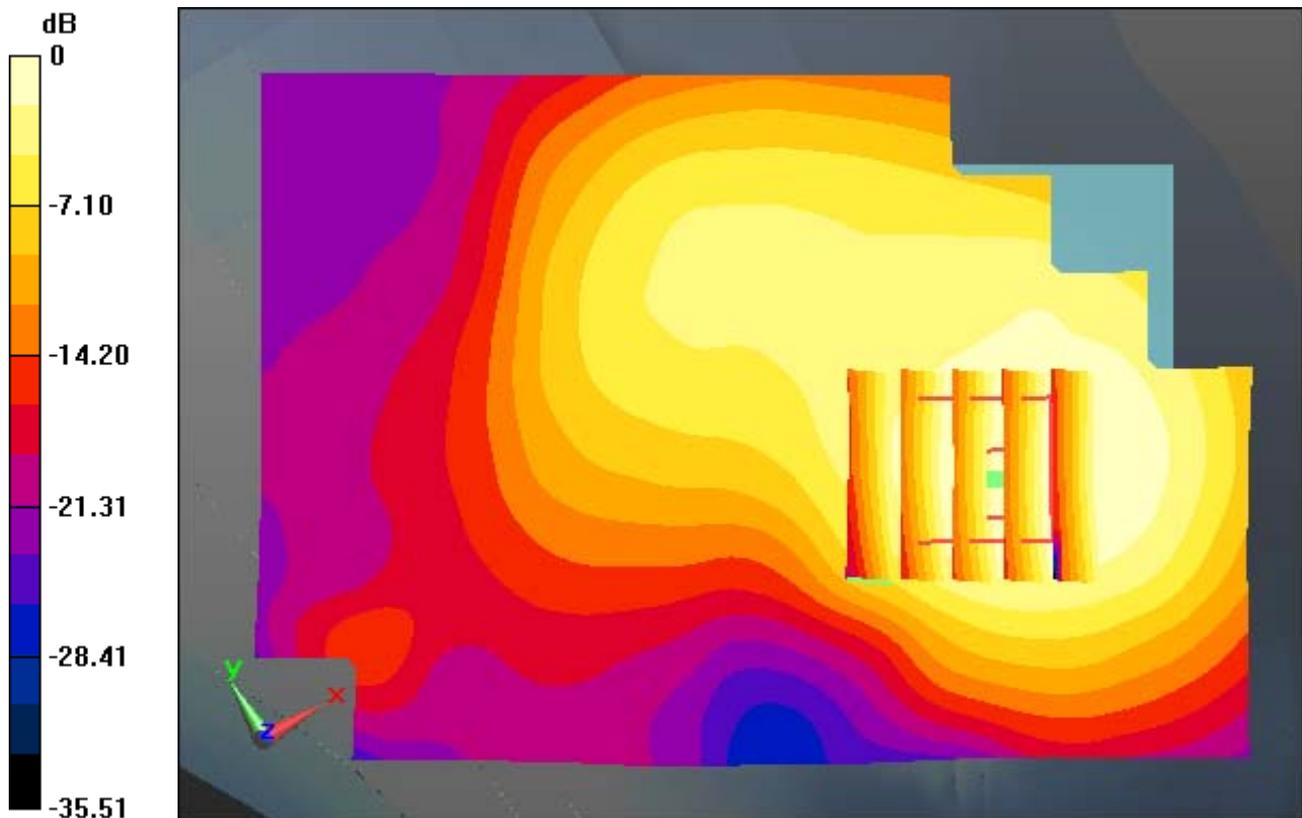
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.496 mW/g

**SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.549 W/kg**



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal, Standard Battery**

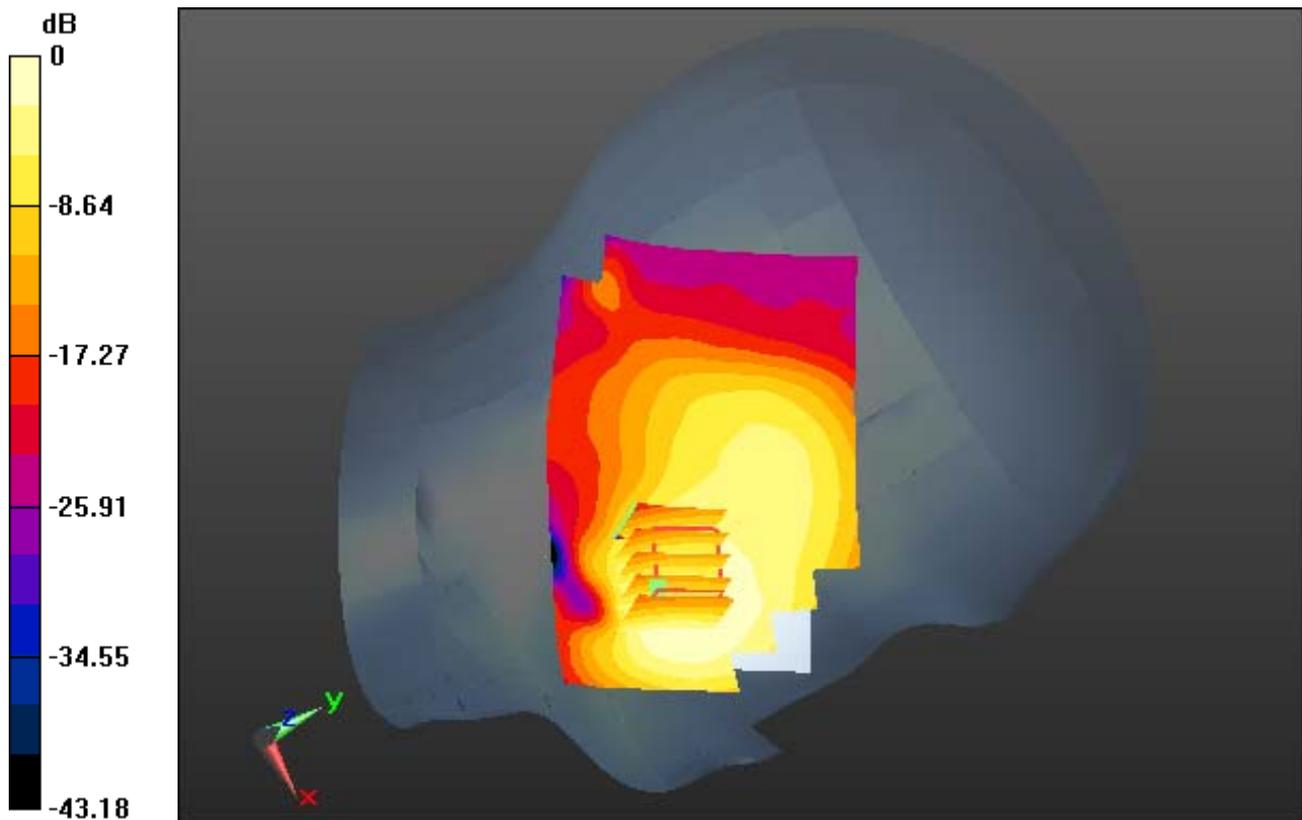
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.253 mW/g

SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.432 W/kg



0 dB = 1.00 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.346$  mho/m;  $\epsilon_r = 39.524$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal, Standard Battery**

**With Enlarge plot image**

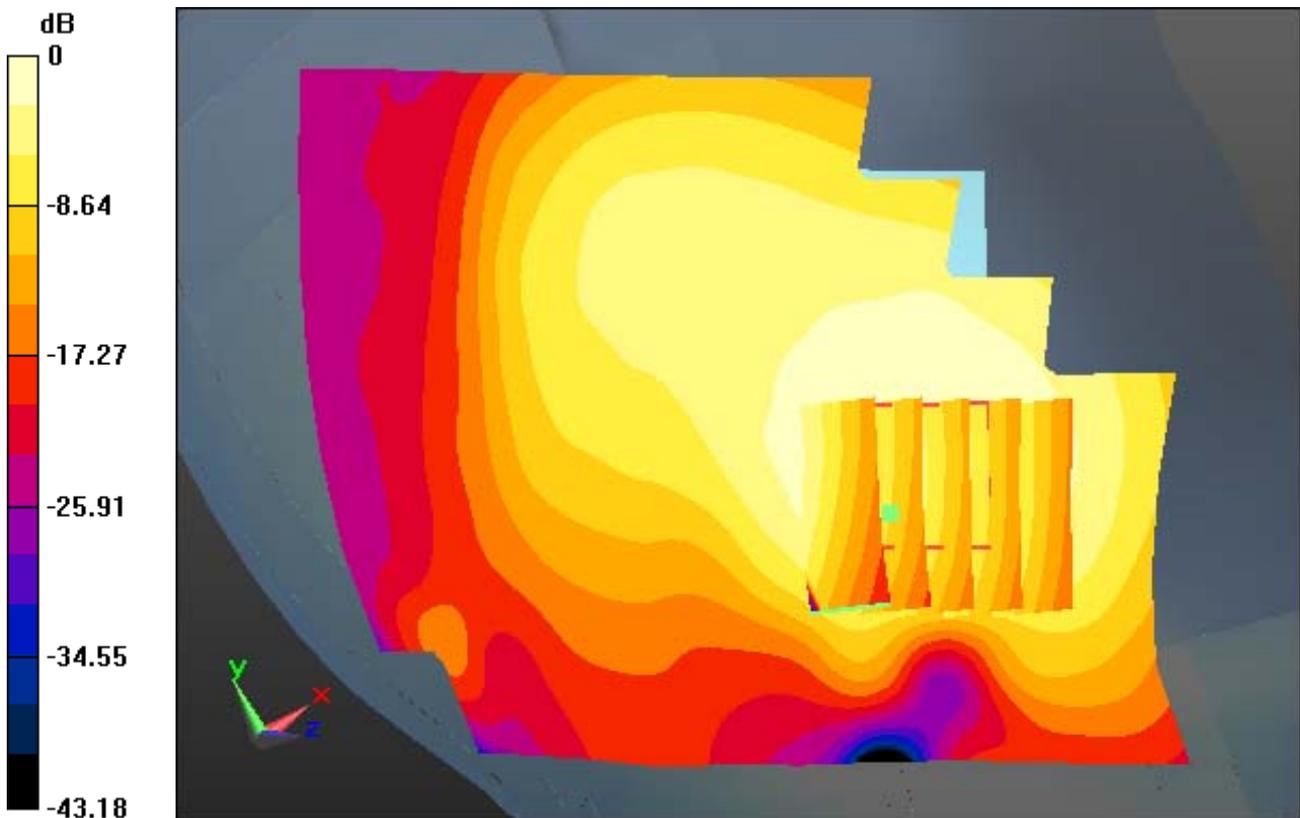
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.253 mW/g

**SAR(1 g) = 0.759 W/kg; SAR(10 g) = 0.432 W/kg**



0 dB = 1.00 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery**

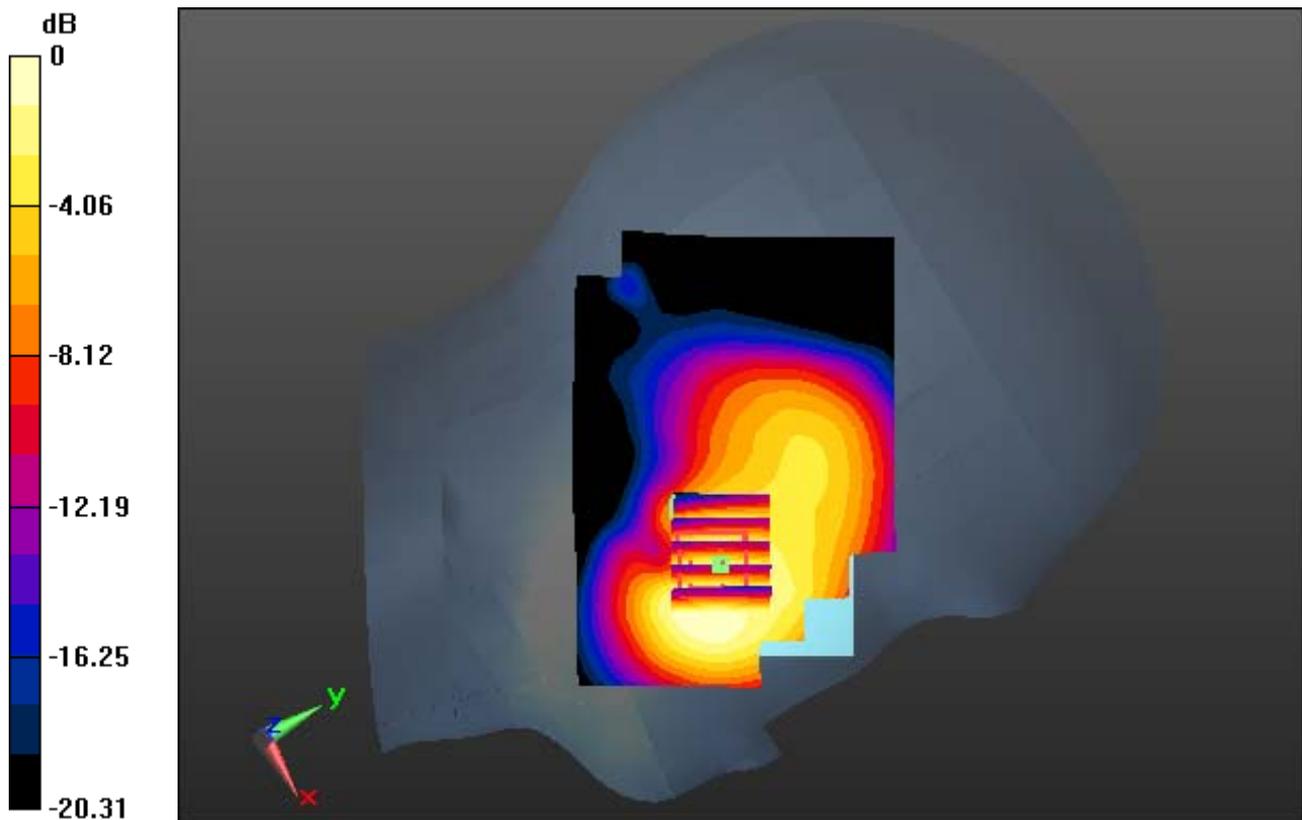
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.413 mW/g

**SAR(1 g) = 0.873 W/kg; SAR(10 g) = 0.514 W/kg**



0 dB = 1.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

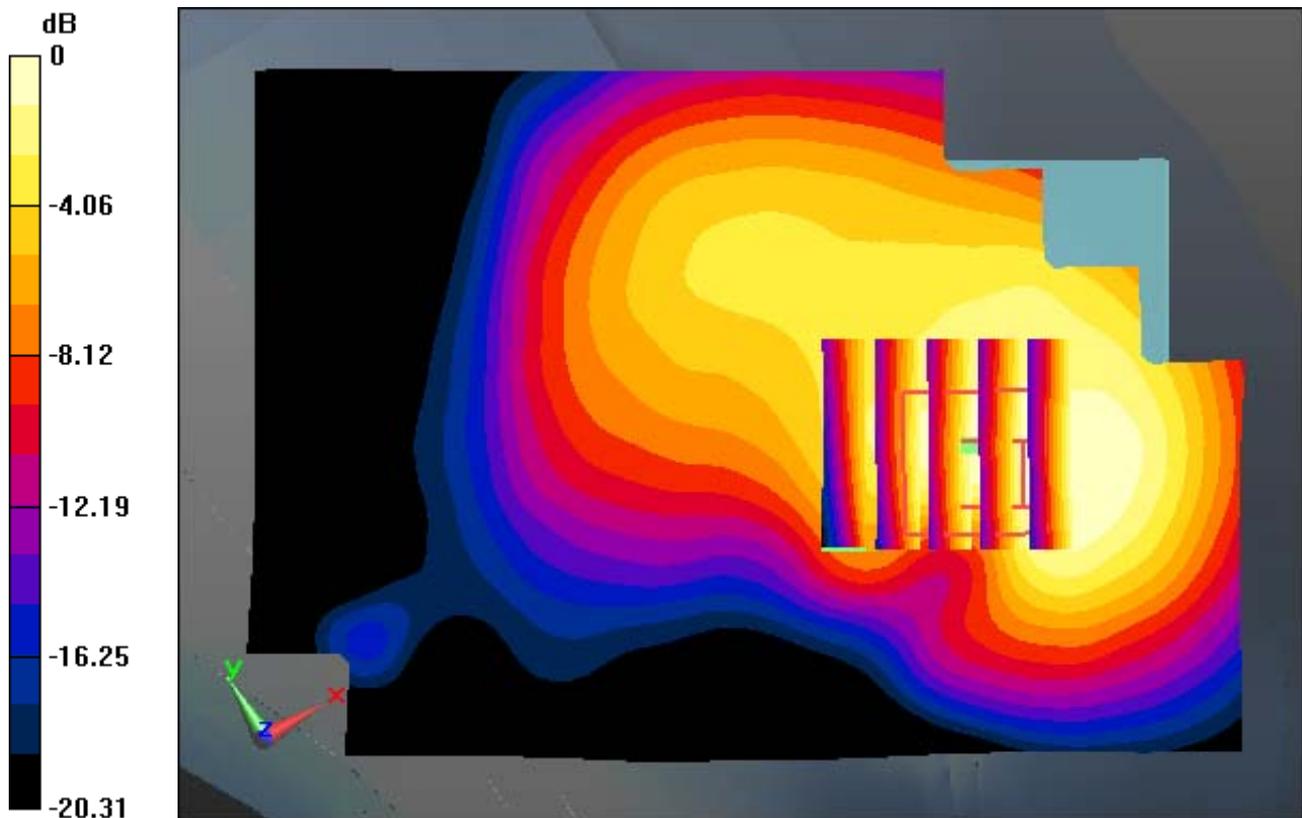
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.413 mW/g

SAR(1 g) = 0.873 W/kg; SAR(10 g) = 0.514 W/kg



0 dB = 1.14 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery**

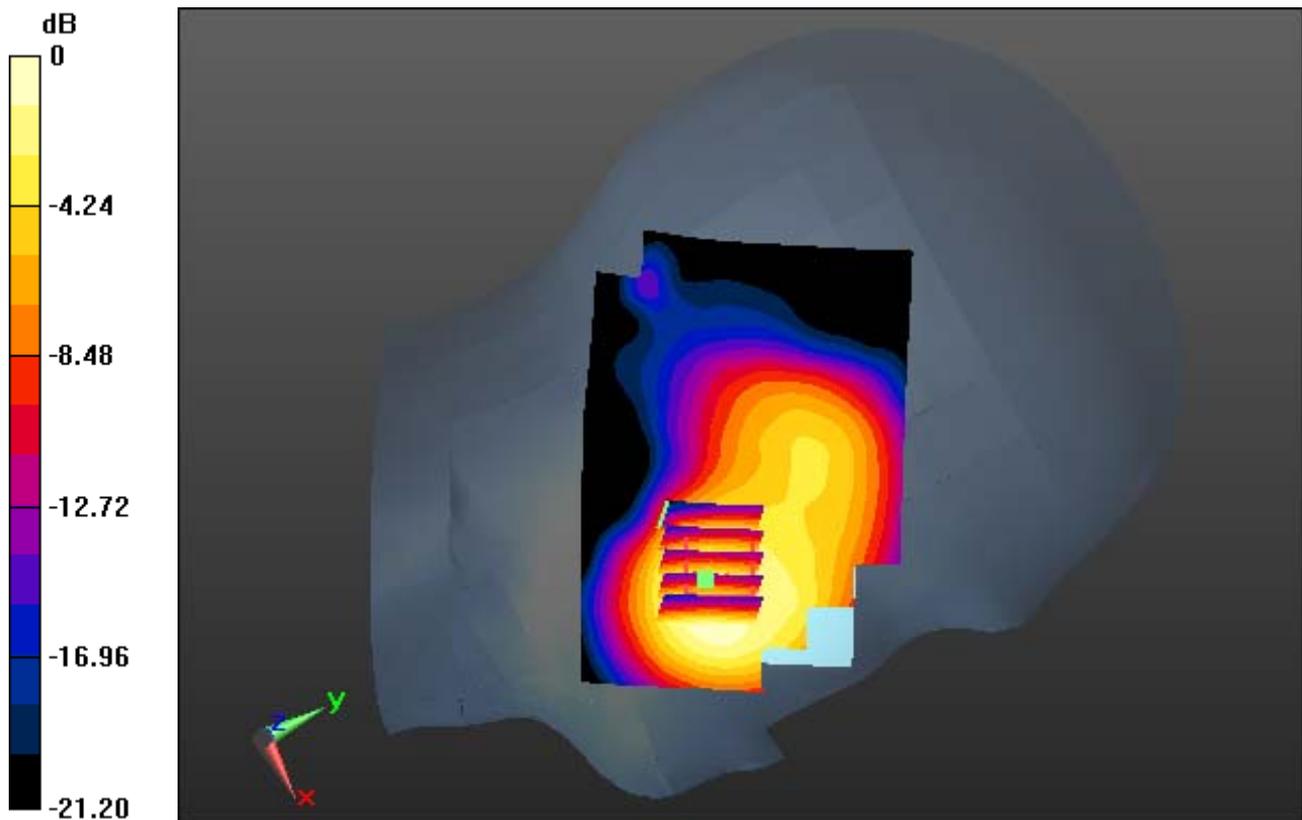
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.491 mW/g

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.533 W/kg**



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery**

**With Enlarge plot image**

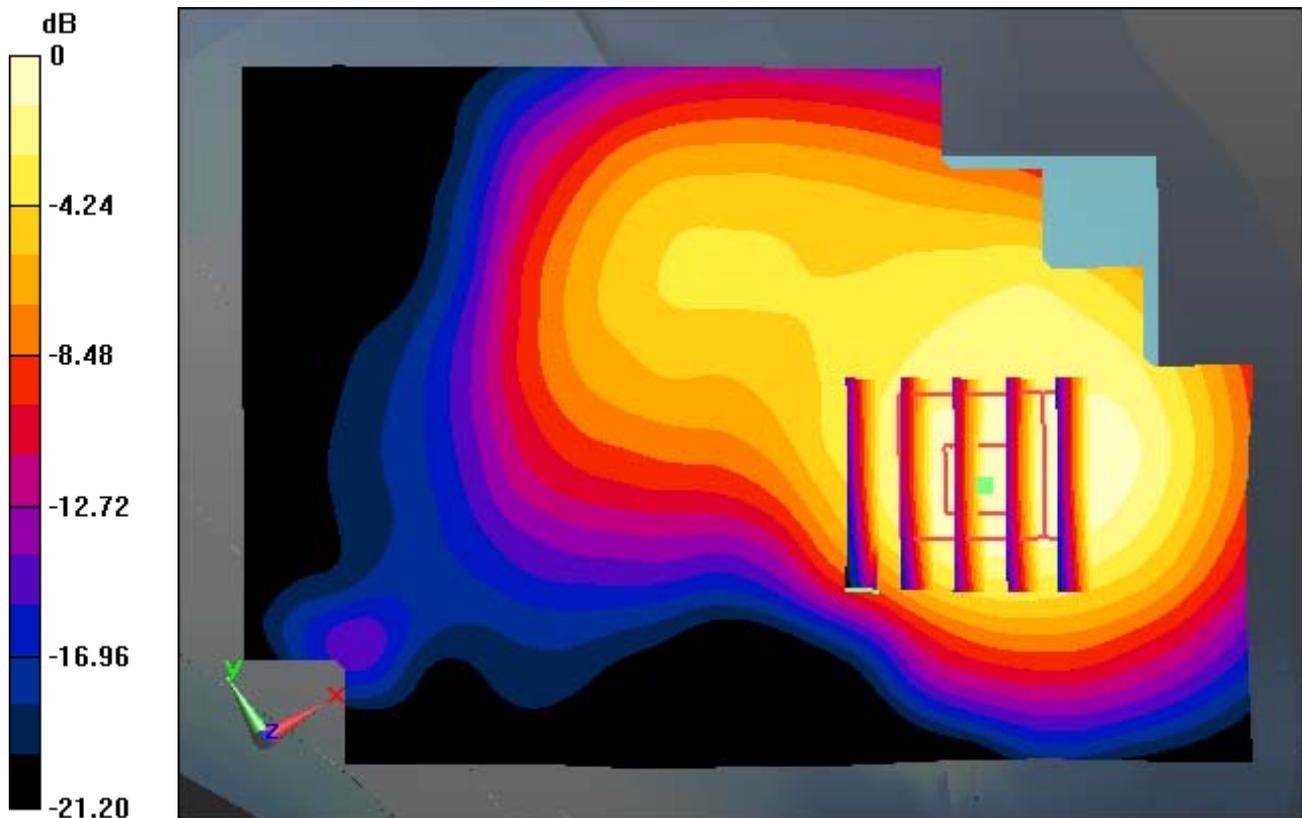
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.491 mW/g

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.533 W/kg**



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Right Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

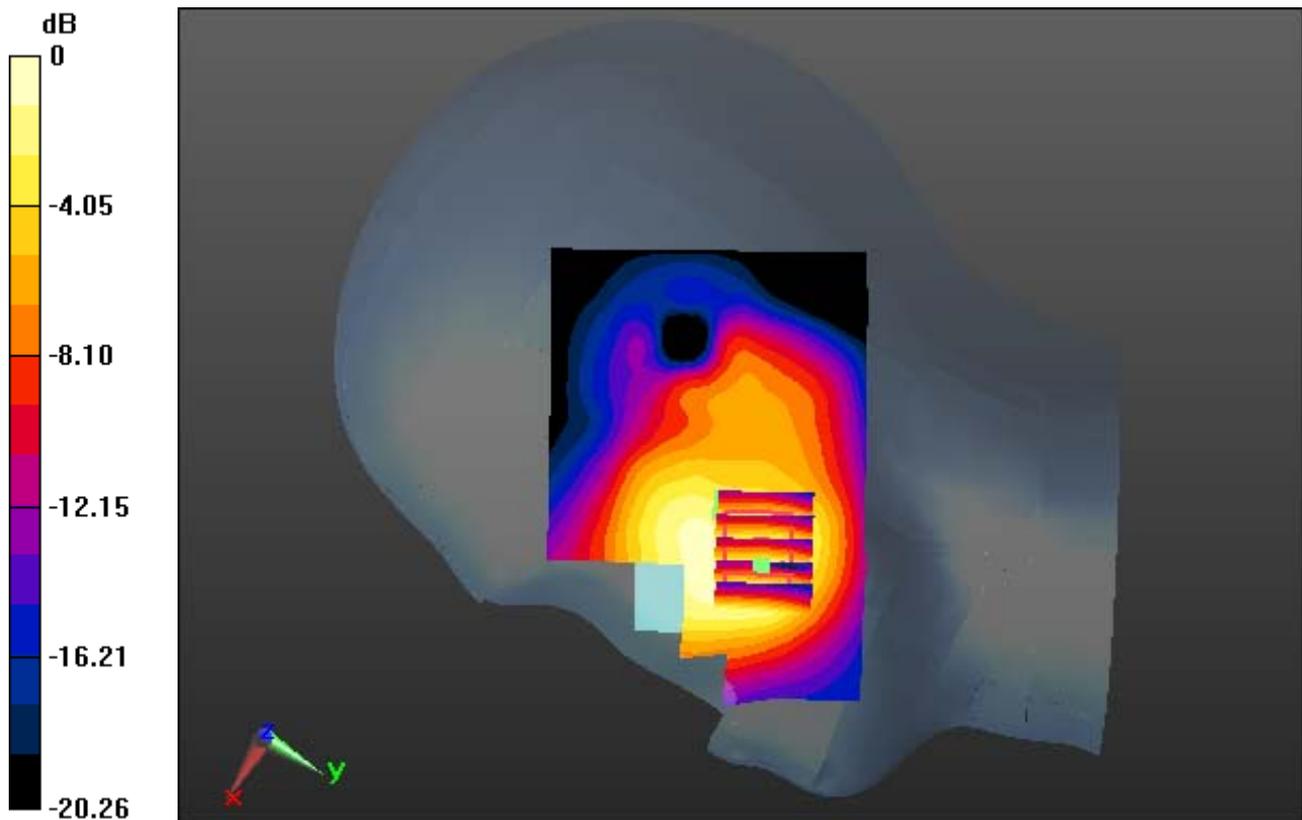
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.127 mW/g

SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.440 W/kg



0 dB = 0.938 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Right Touch, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

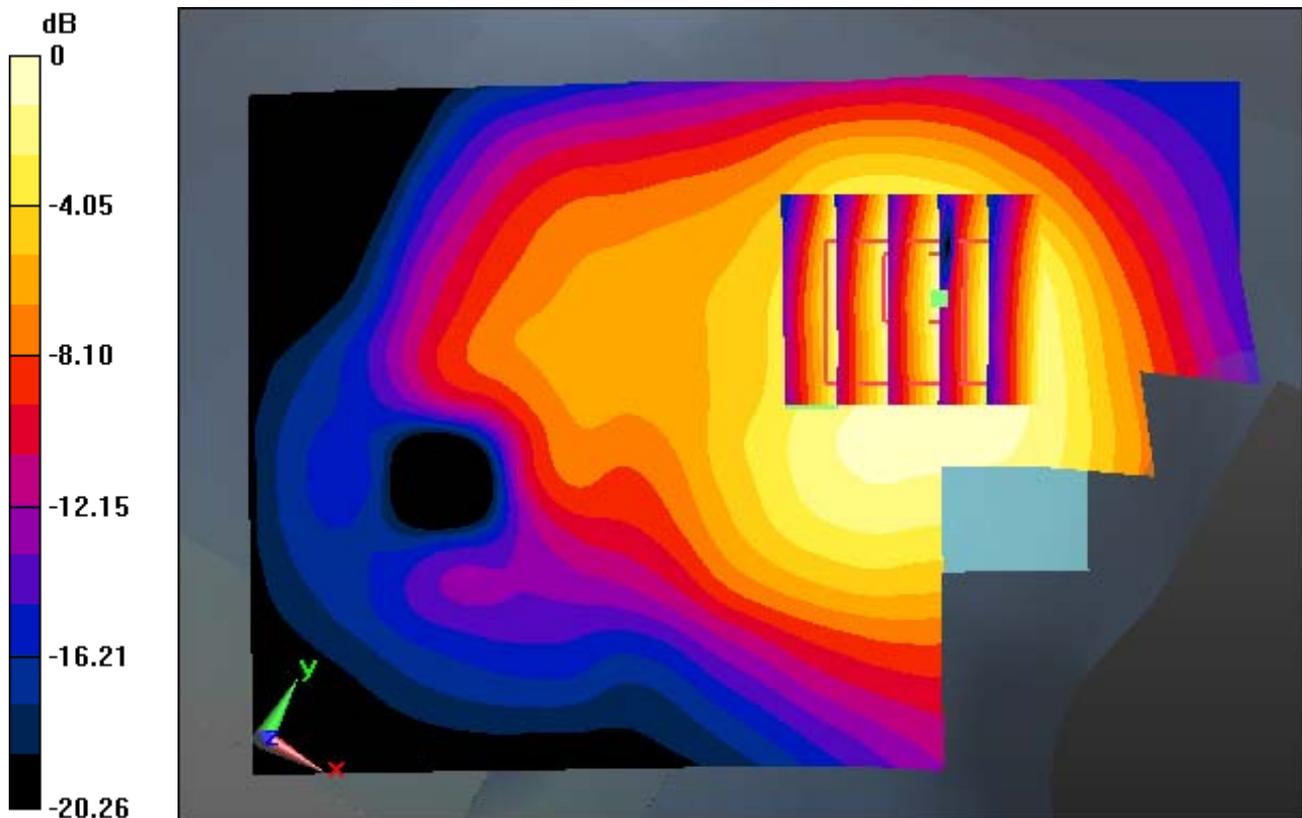
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.127 mW/g

**SAR(1 g) = 0.732 W/kg; SAR(10 g) = 0.440 W/kg**



0 dB = 0.938 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

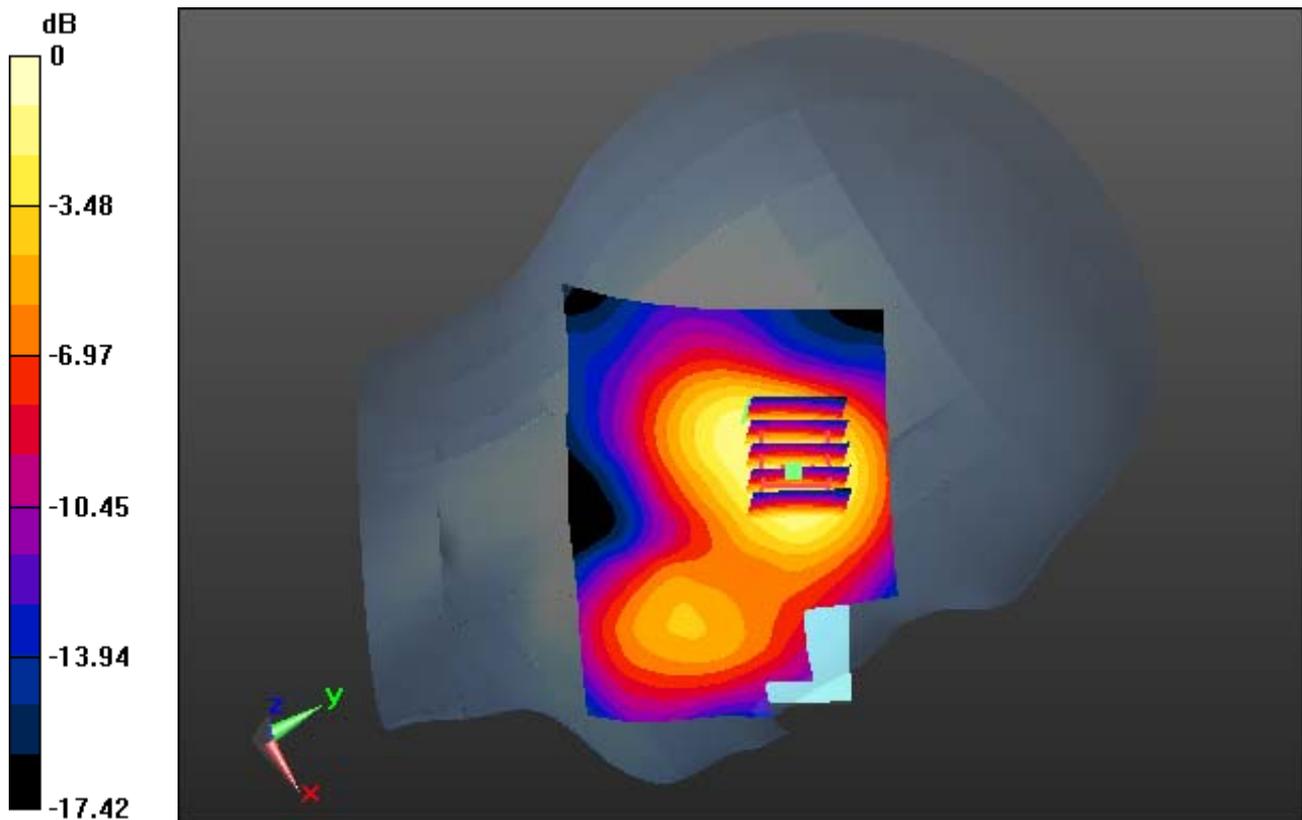
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.533 mW/g

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.206 W/kg



0 dB = 0.440 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

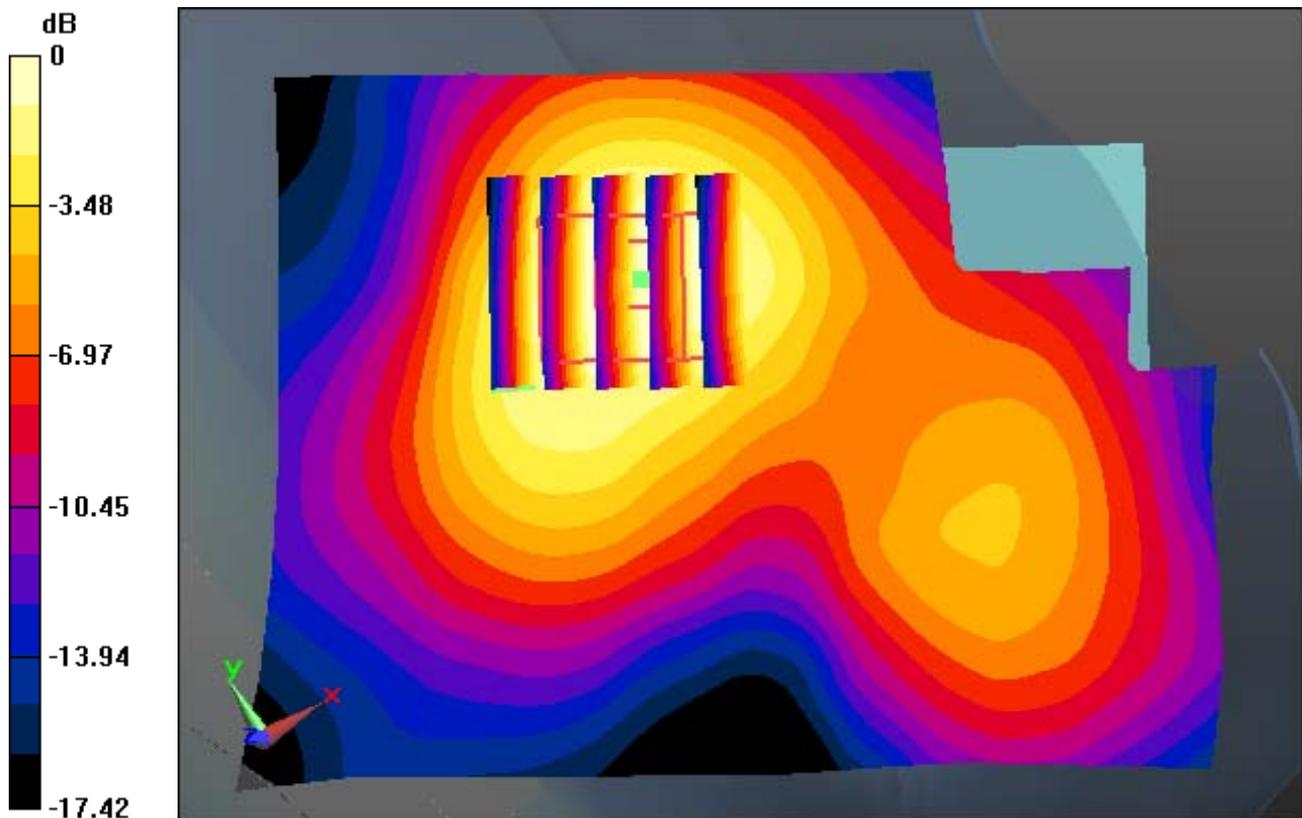
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.533 mW/g

SAR(1 g) = 0.339 W/kg; SAR(10 g) = 0.206 W/kg



0 dB = 0.440 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Right Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

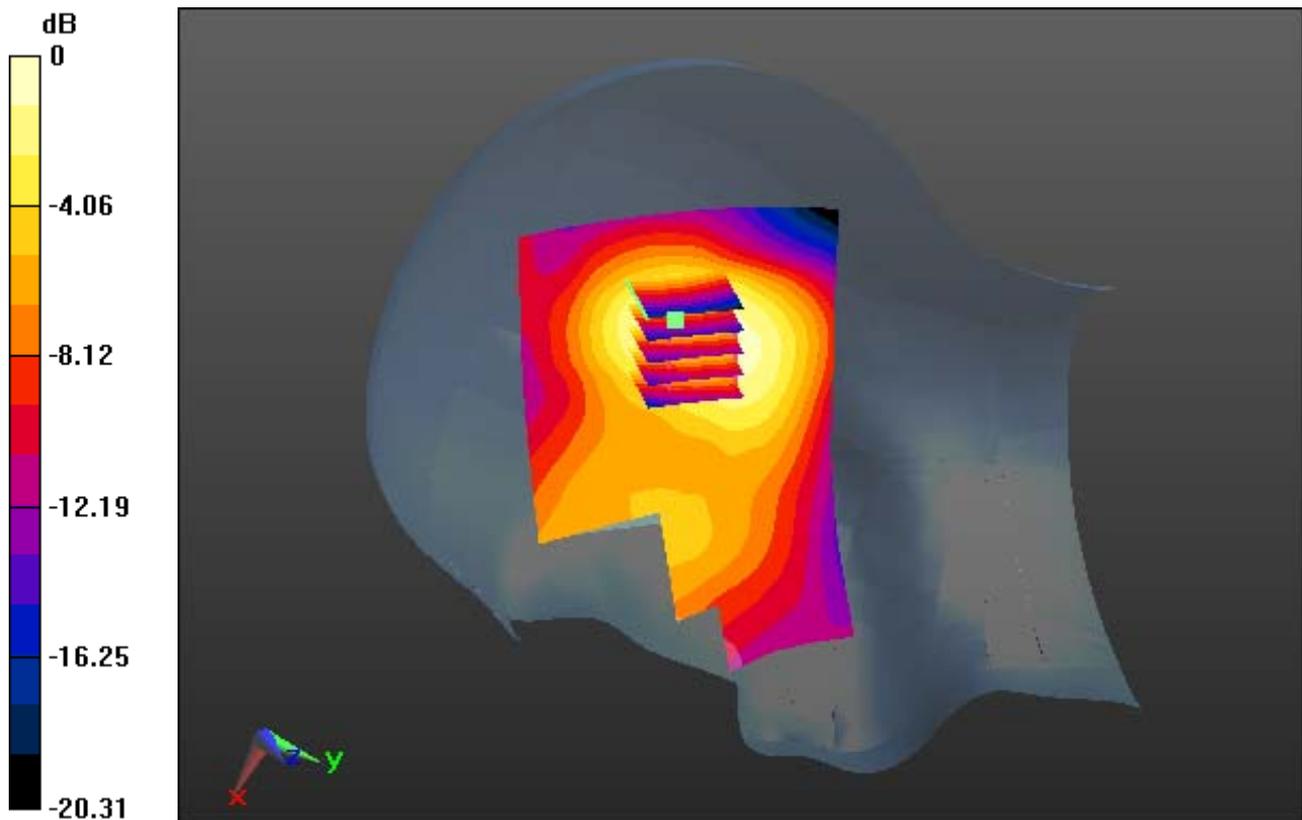
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.377 mW/g

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.146 W/kg**



0 dB = 0.308 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r = 39.455$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Right Tilt, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal, Standard Battery**

**With Enlarge plot image**

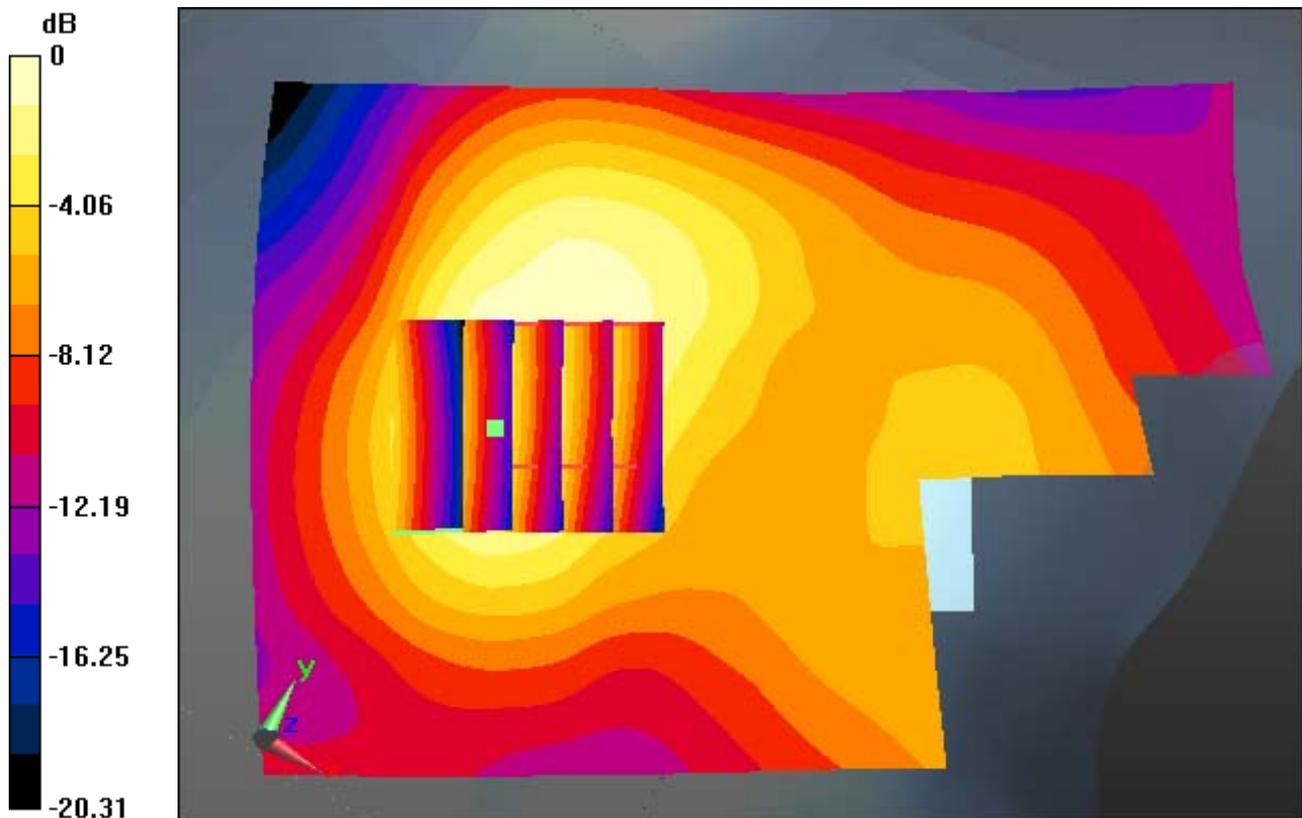
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.377 mW/g

**SAR(1 g) = 0.237 W/kg; SAR(10 g) = 0.146 W/kg**



0 dB = 0.308 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery**

## **SAR Variability Result**

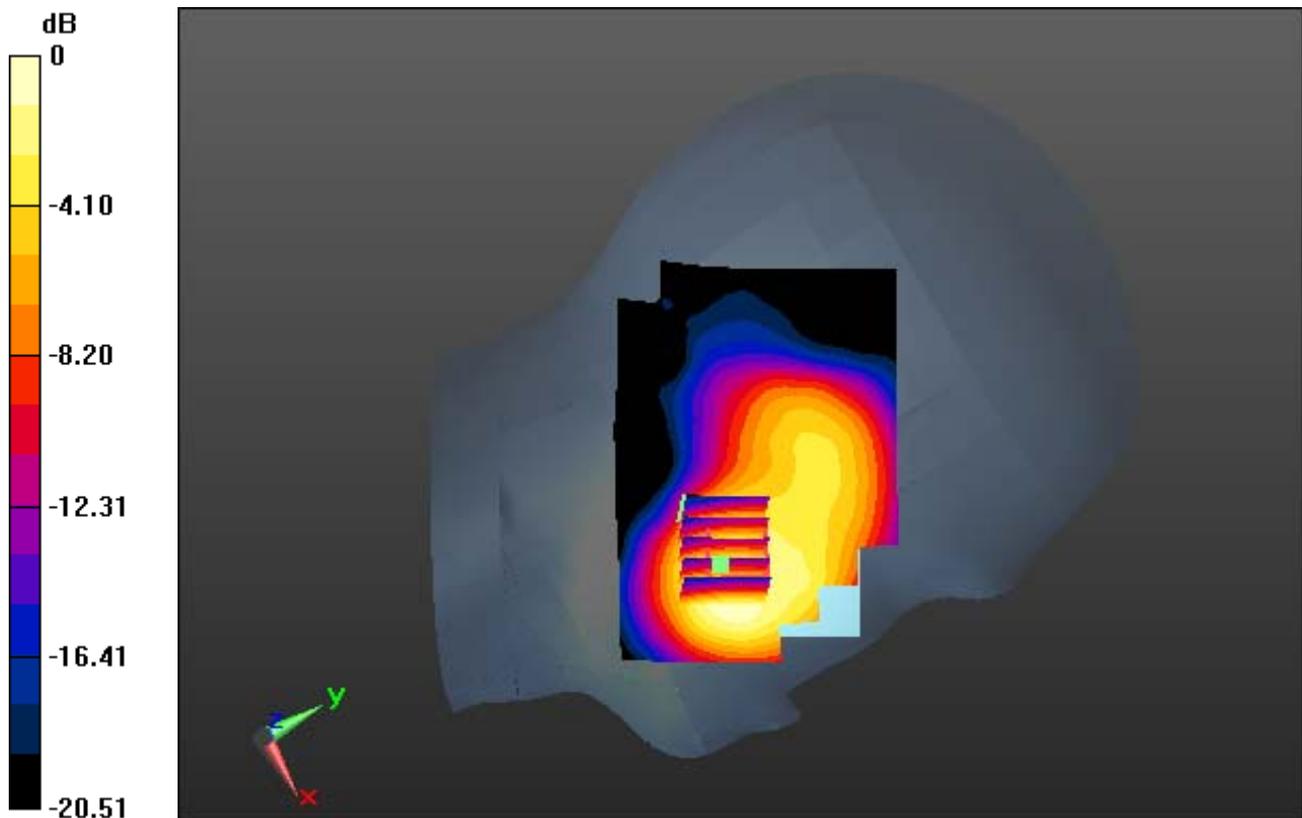
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.483 mW/g

**SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.539 W/kg**



0 dB = 1.19 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery**

## **SAR Variability Result, With Enlarge plot image**

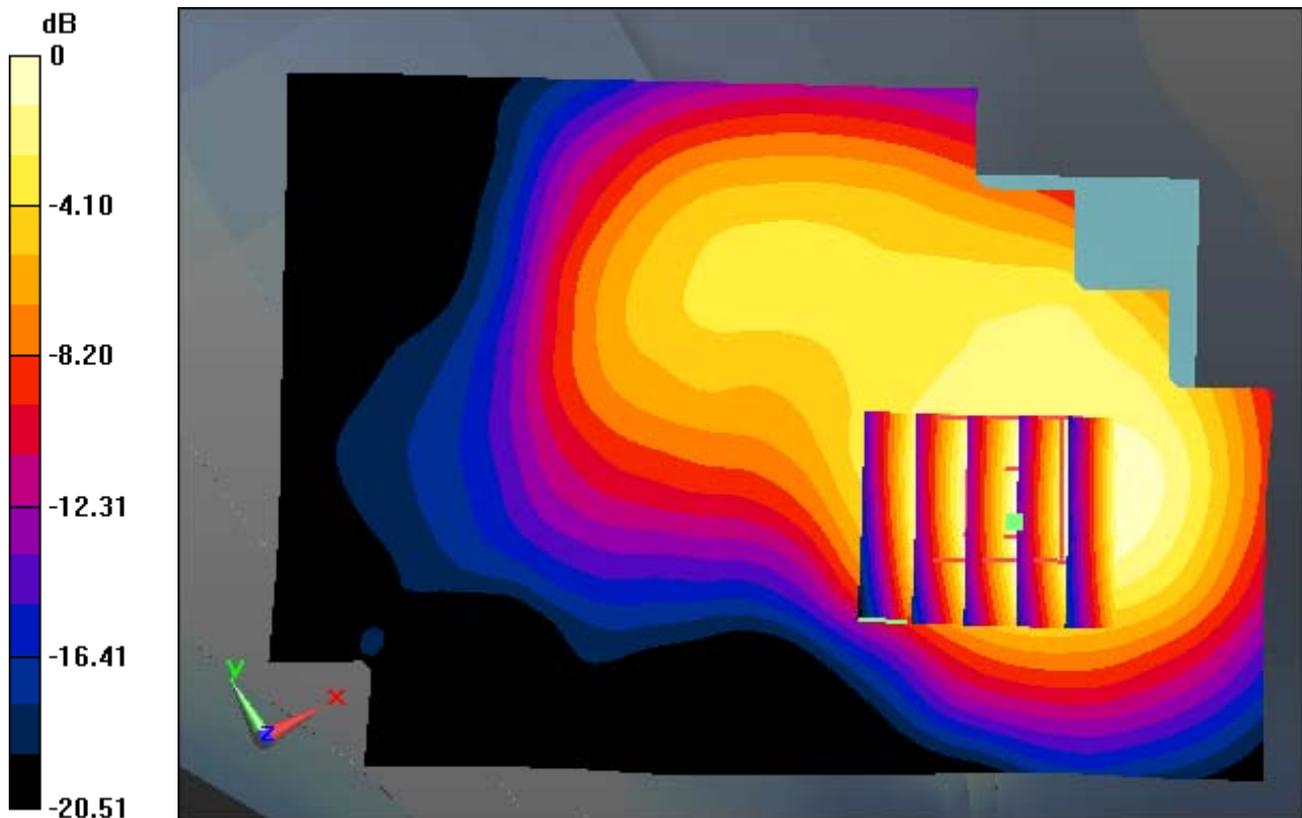
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.483 mW/g

**SAR(1 g) = 0.921 W/kg; SAR(10 g) = 0.539 W/kg**



0 dB = 1.19 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.394$  mho/m;  $\epsilon_r = 39.383$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Left Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-19; Ambient Temp: 20.7; Tissue Temp: 21.1

**Left Touch, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal, Standard Battery**

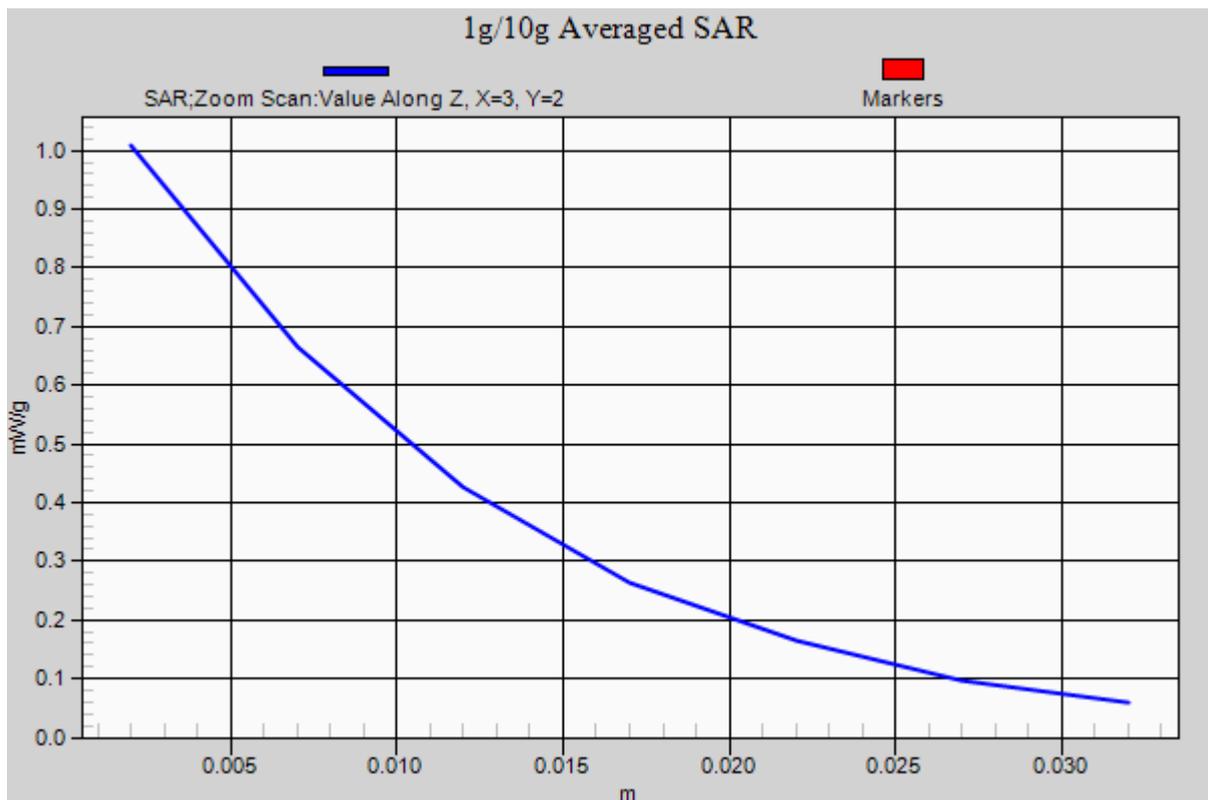
**Area Scan (71x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.496 mW/g

**SAR(1 g) = 0.935 W/kg; SAR(10 g) = 0.549 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

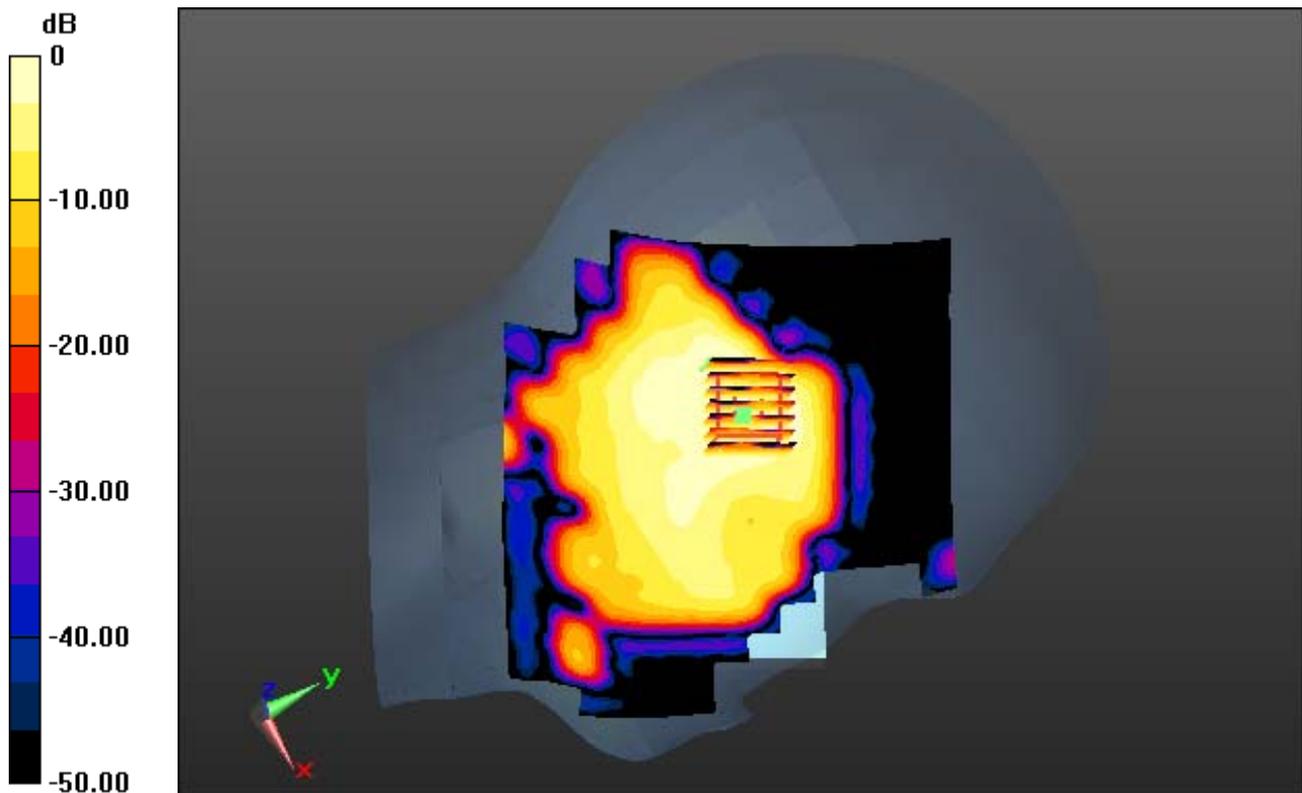
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 0.110 mW/g  
**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0793 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

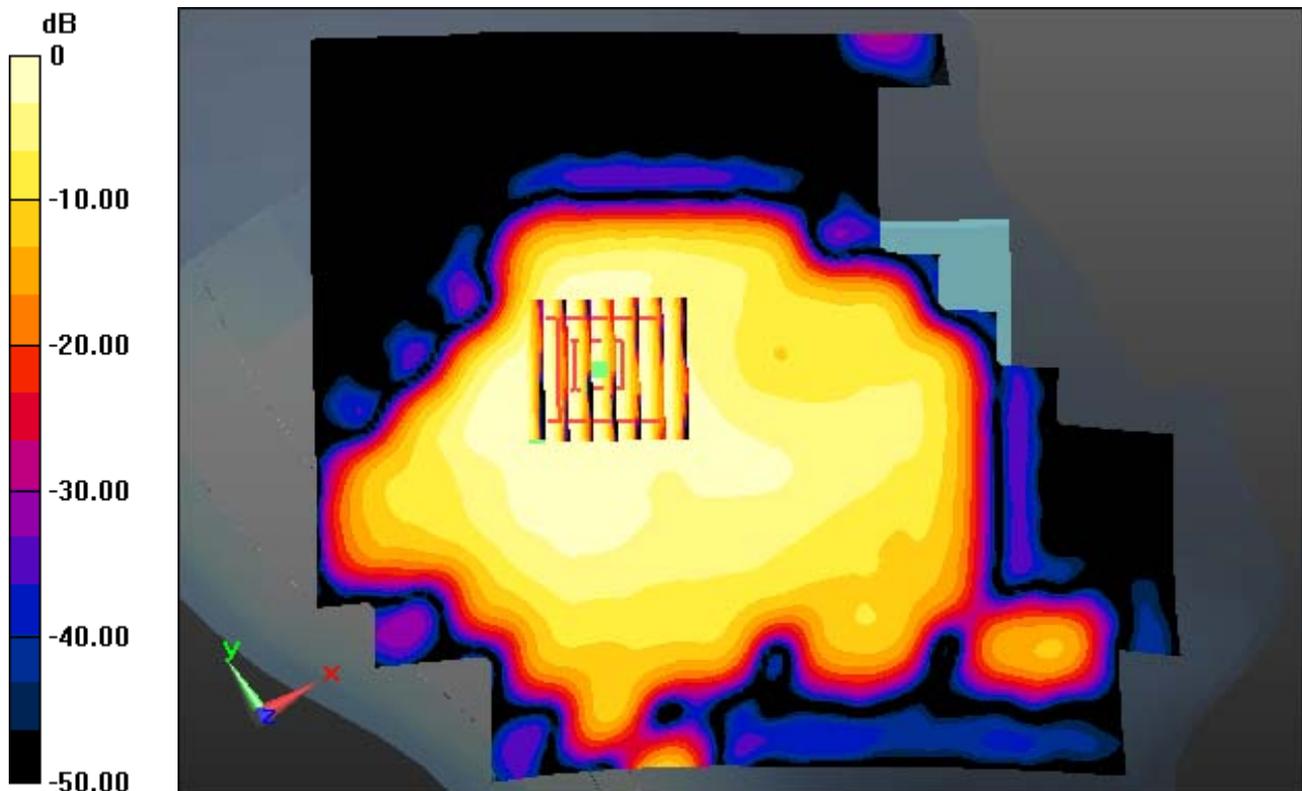
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 0.110 mW/g  
**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0793 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

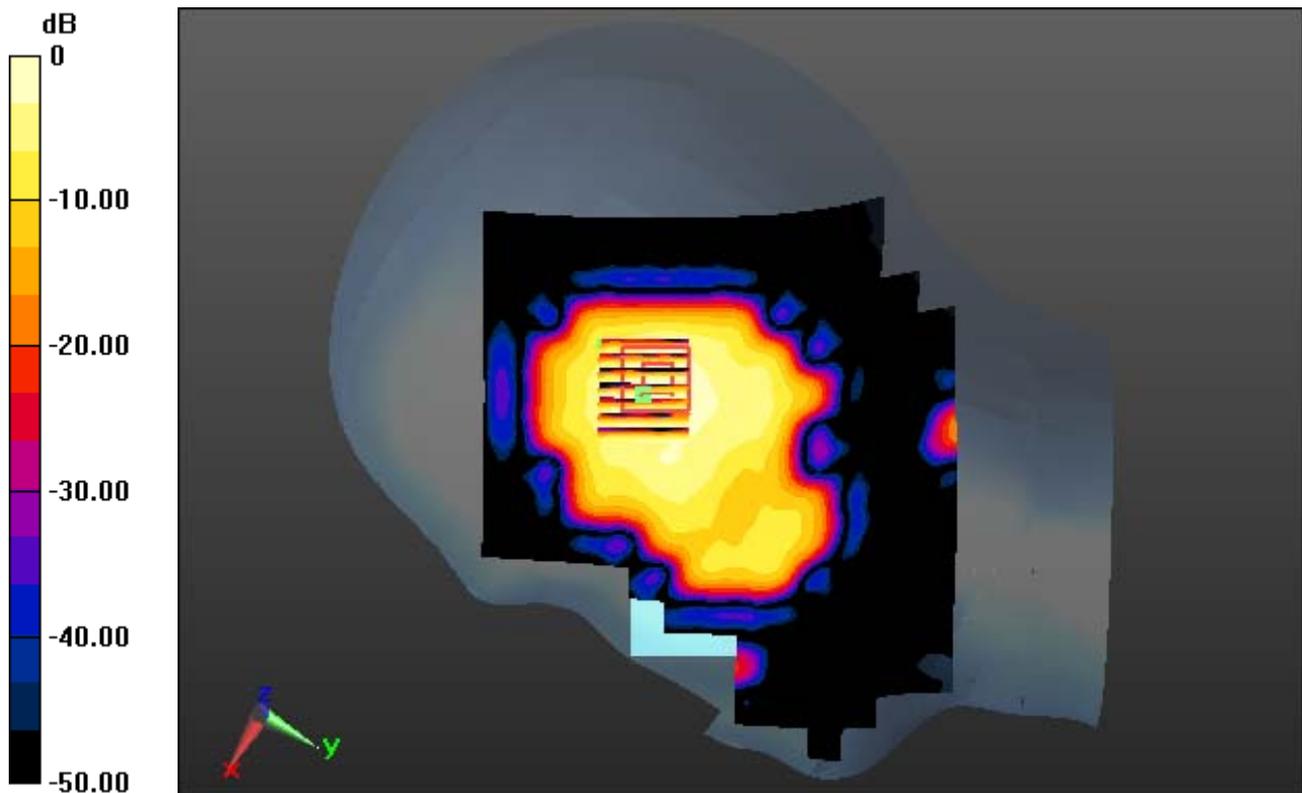
**Right Touch, W-LAN(802.11b) Ch. 1, Ant Internal, Standard Battery**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.231 mW/g

**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.040 W/kg**



0 dB = 0.154 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

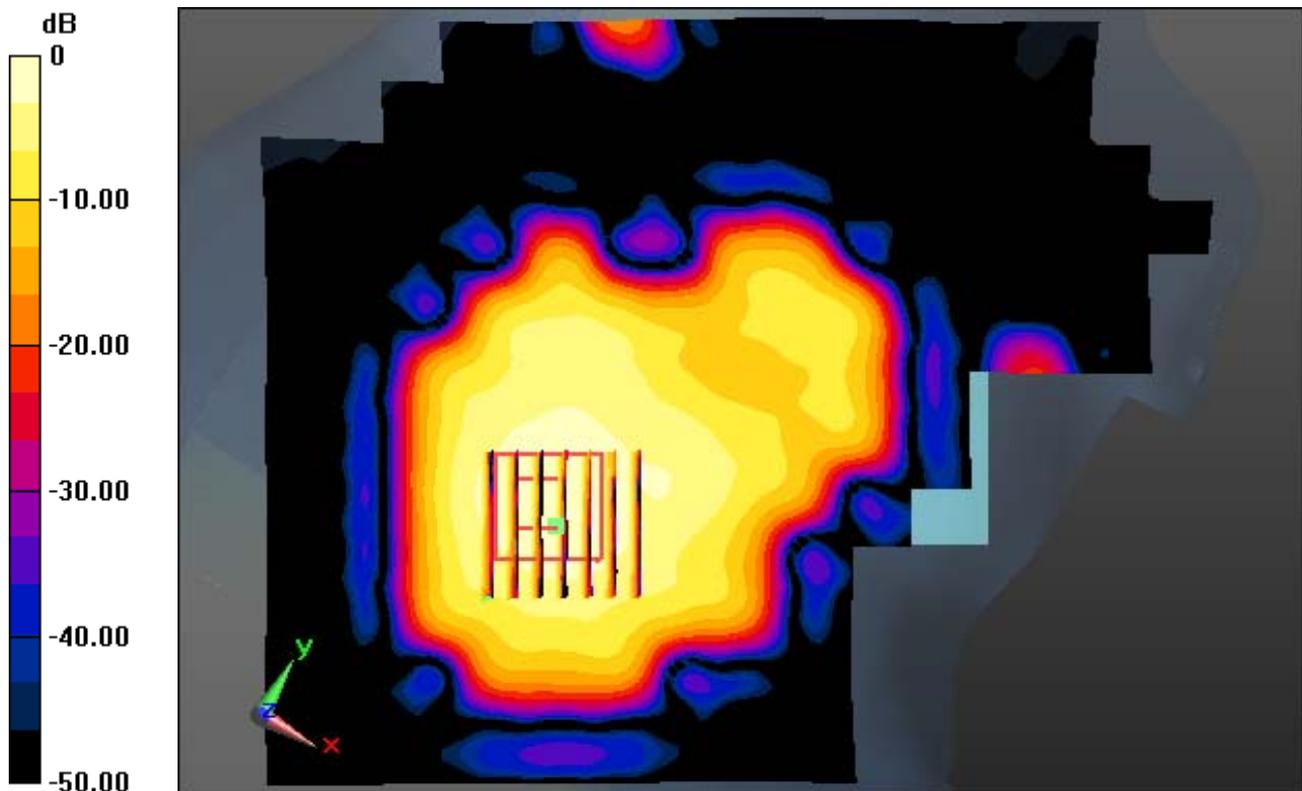
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 0.231 mW/g  
**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.040 W/kg**



0 dB = 0.154 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.802$  mho/m;  $\epsilon_r = 38.176$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

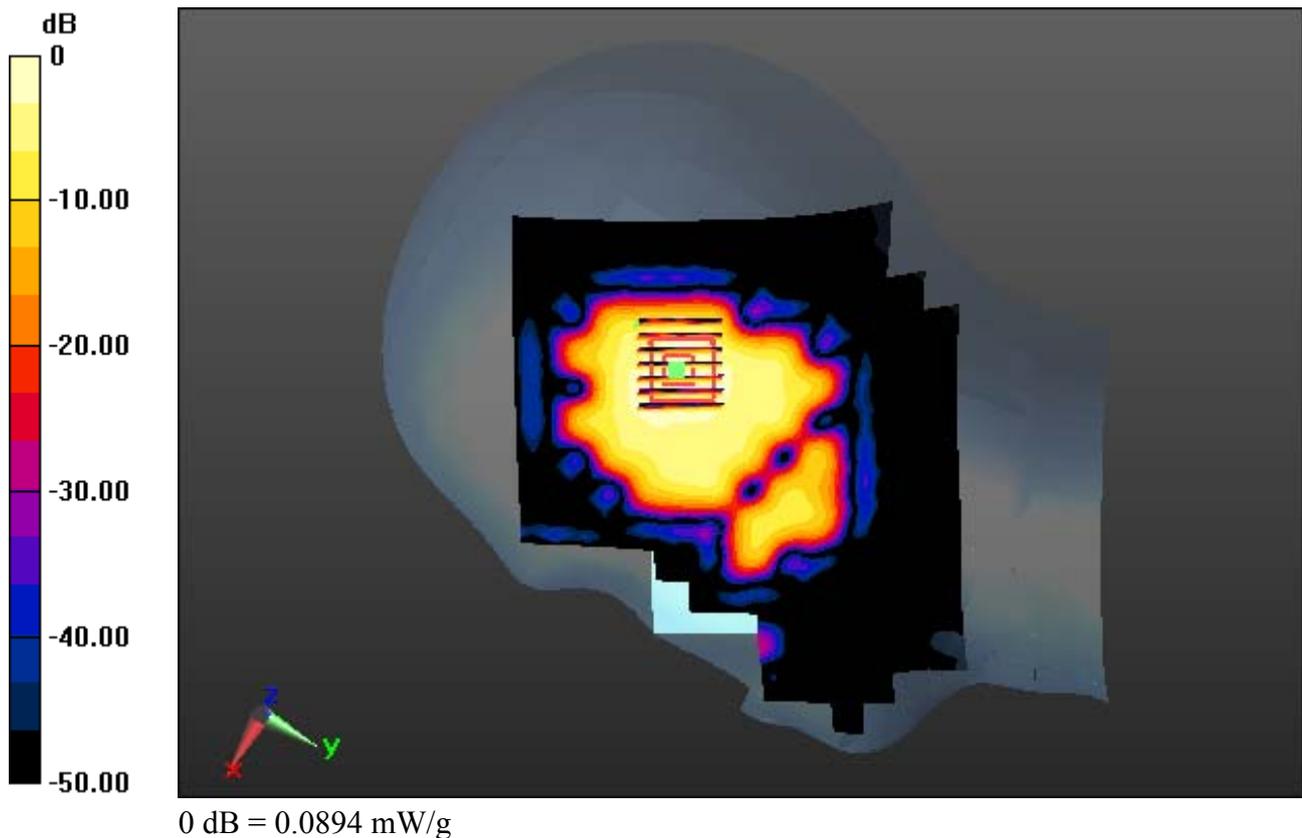
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 0.138 mW/g  
**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.022 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.802$  mho/m;  $\epsilon_r = 38.176$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

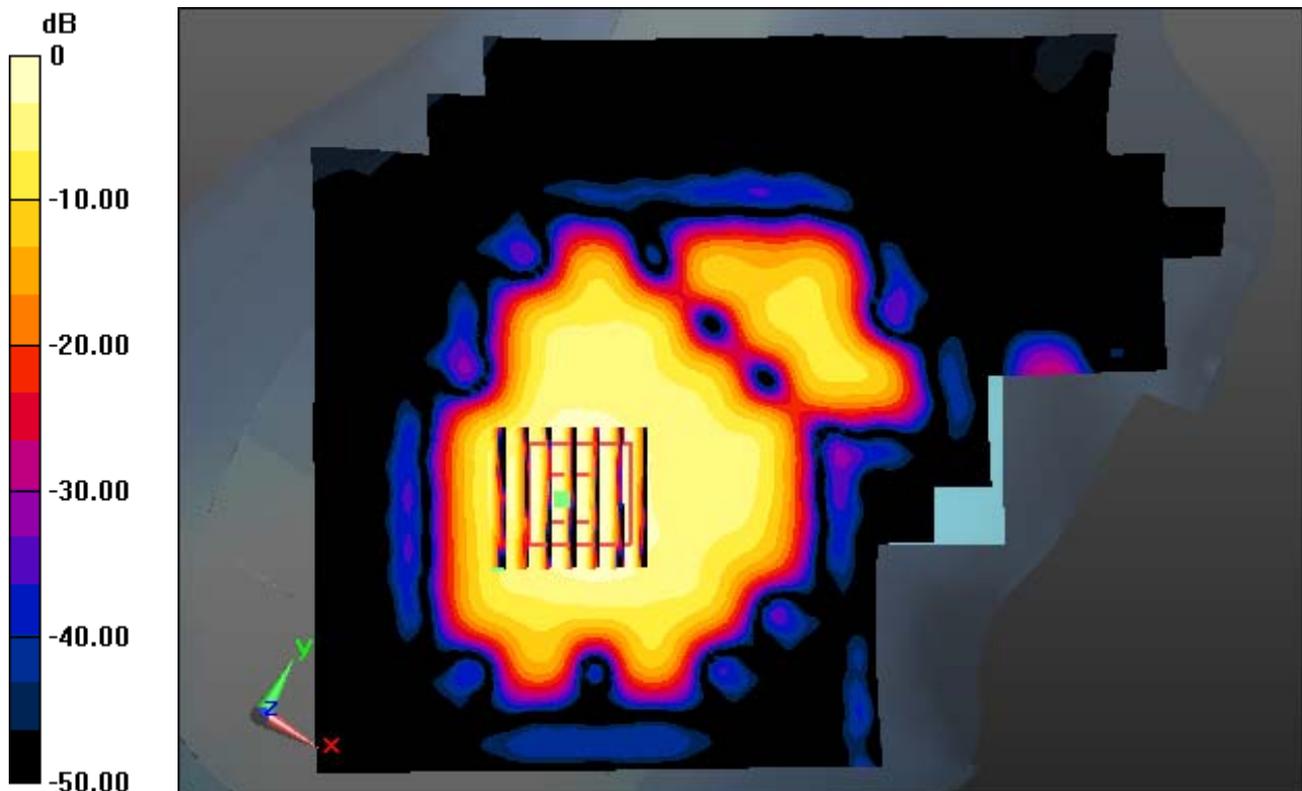
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.10 dB  
Peak SAR (extrapolated) = 0.138 mW/g  
**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.022 W/kg**



0 dB = 0.0894 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.824$  mho/m;  $\epsilon_r = 38.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

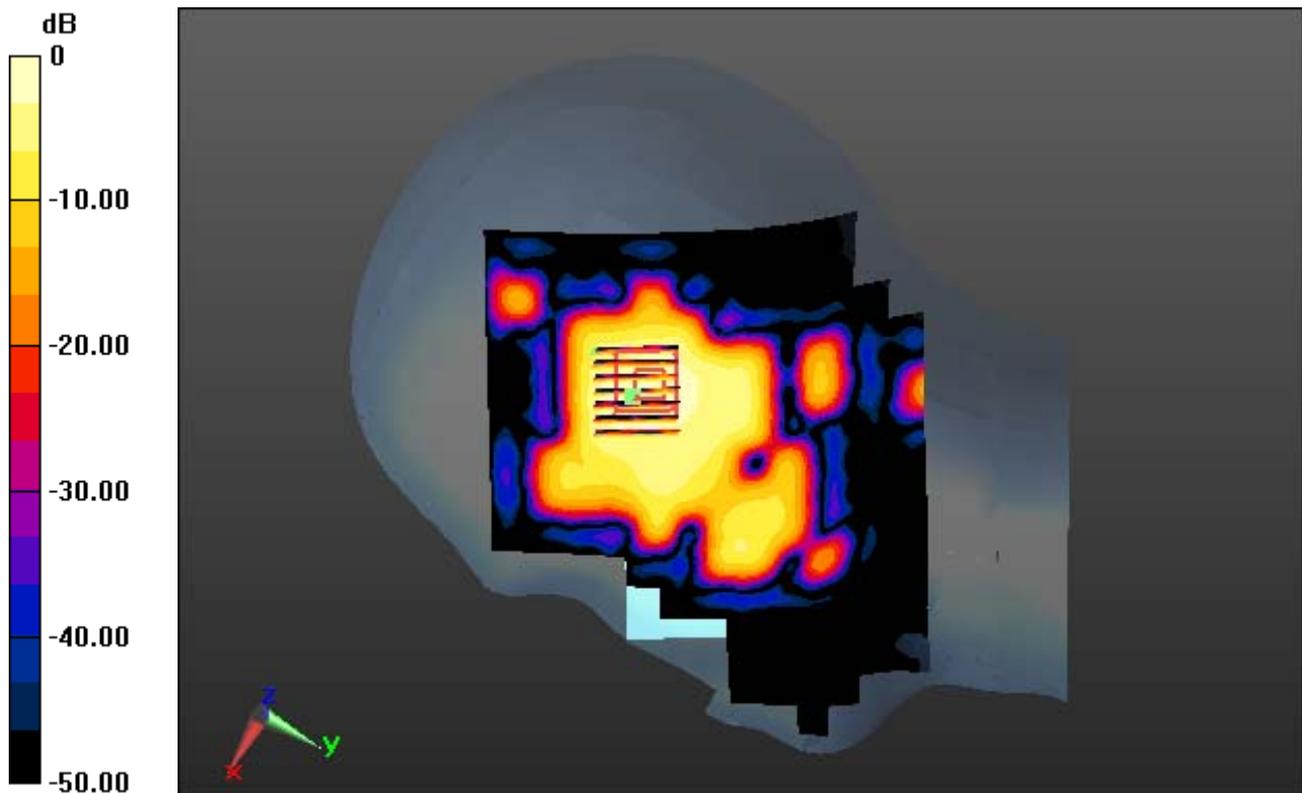
**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.150 mW/g

**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.023 W/kg**



0 dB = 0.0967 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.824$  mho/m;  $\epsilon_r = 38.11$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

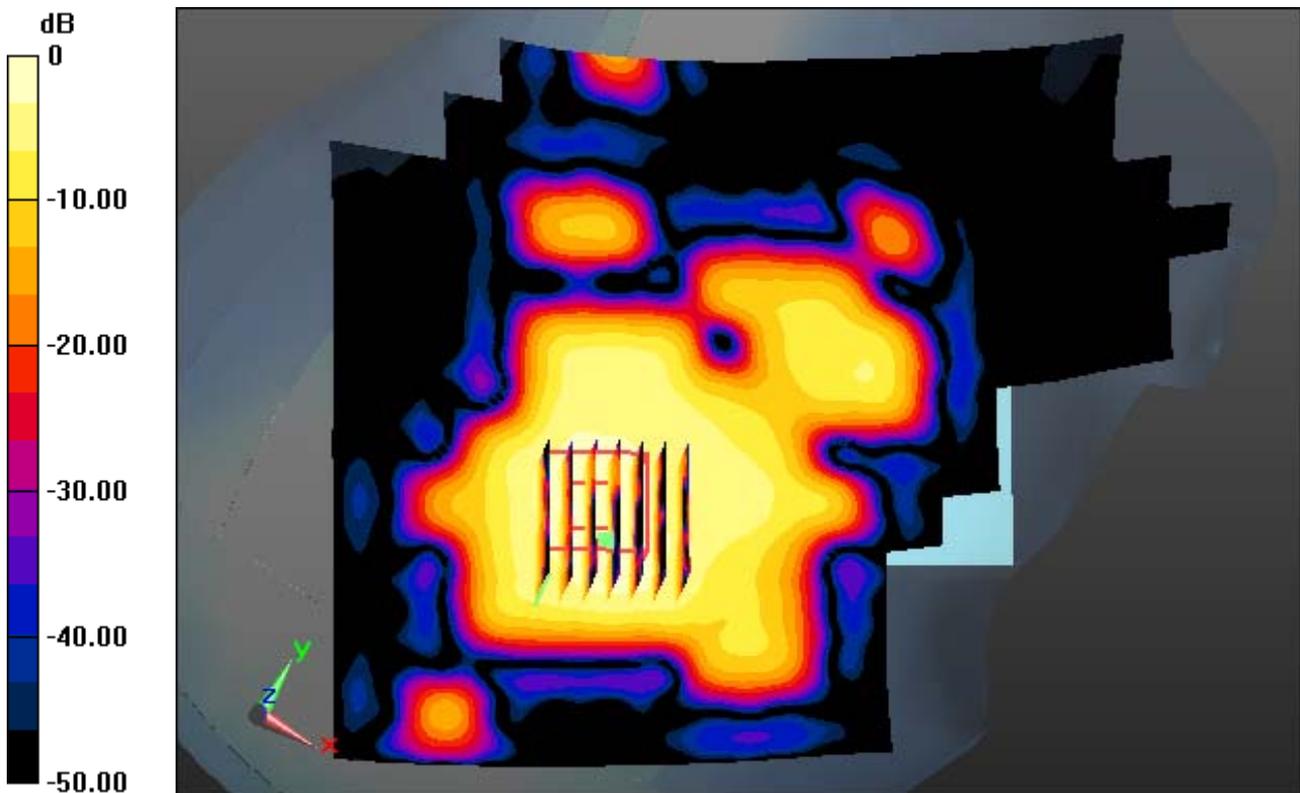
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.12 dB  
Peak SAR (extrapolated) = 0.150 mW/g  
**SAR(1 g) = 0.058 W/kg; SAR(10 g) = 0.023 W/kg**



0 dB = 0.0967 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

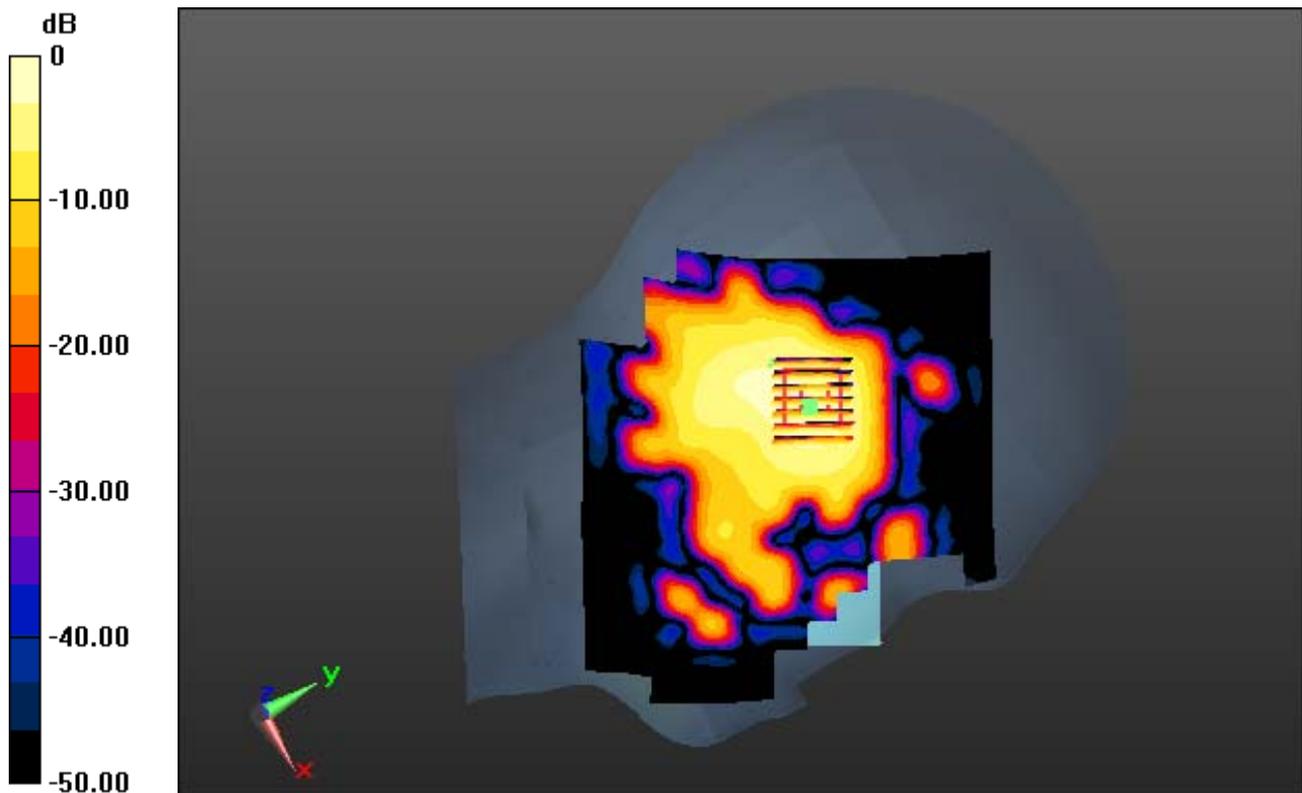
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 0.115 mW/g  
**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0841 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Left Section

## **DASY5 Configuration:**

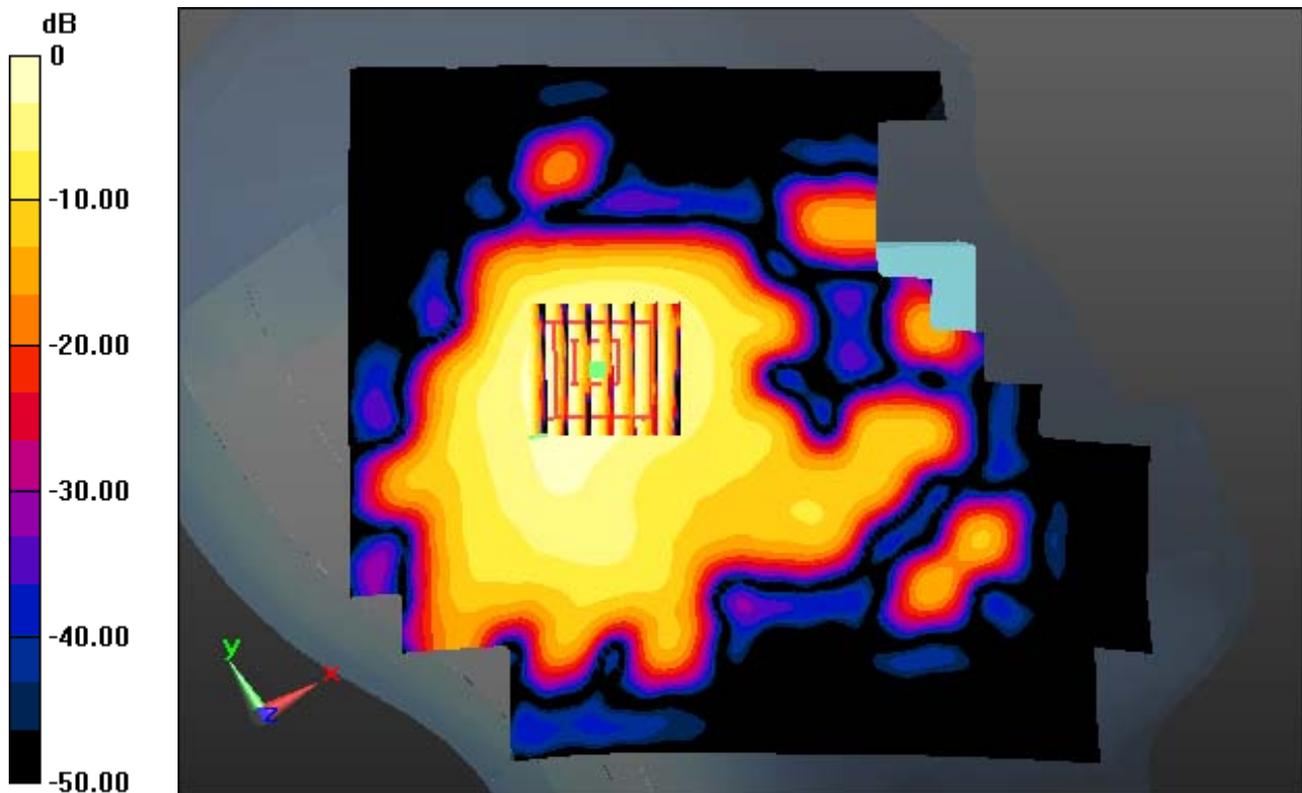
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.16 dB  
Peak SAR (extrapolated) = 0.115 mW/g  
**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0841 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

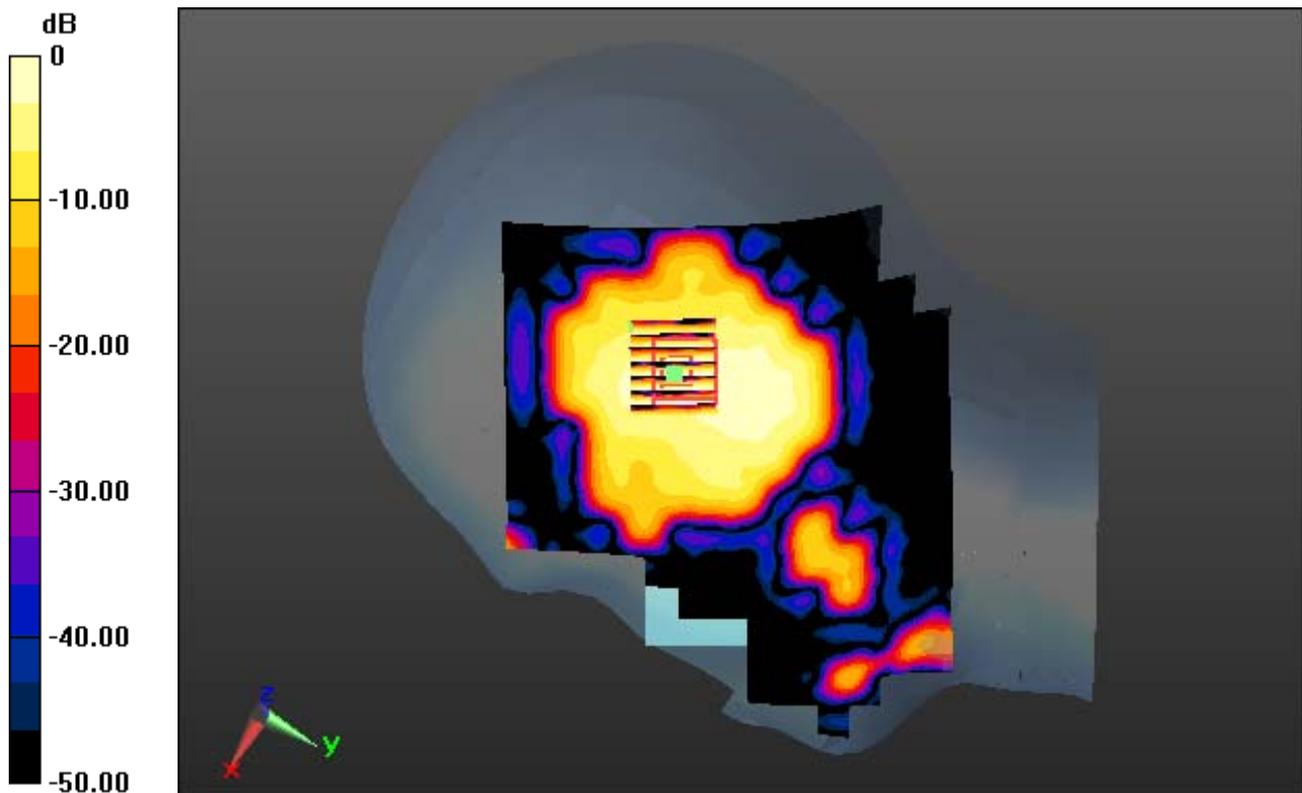
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 0.122 mW/g  
**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.023 W/kg**



0 dB = 0.0837 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY5 Configuration:**

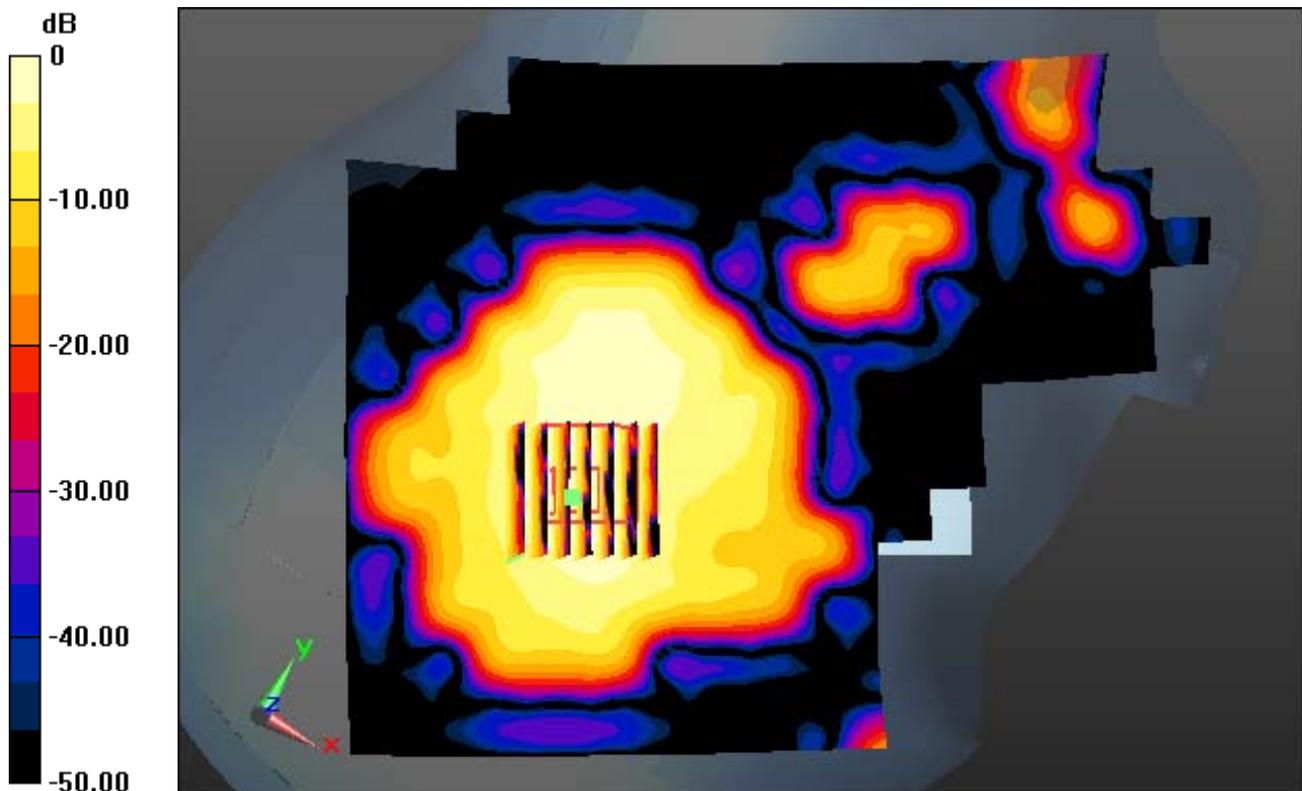
Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 0.122 mW/g  
**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.023 W/kg**



0 dB = 0.0837 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.779$  mho/m;  $\epsilon_r = 38.222$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

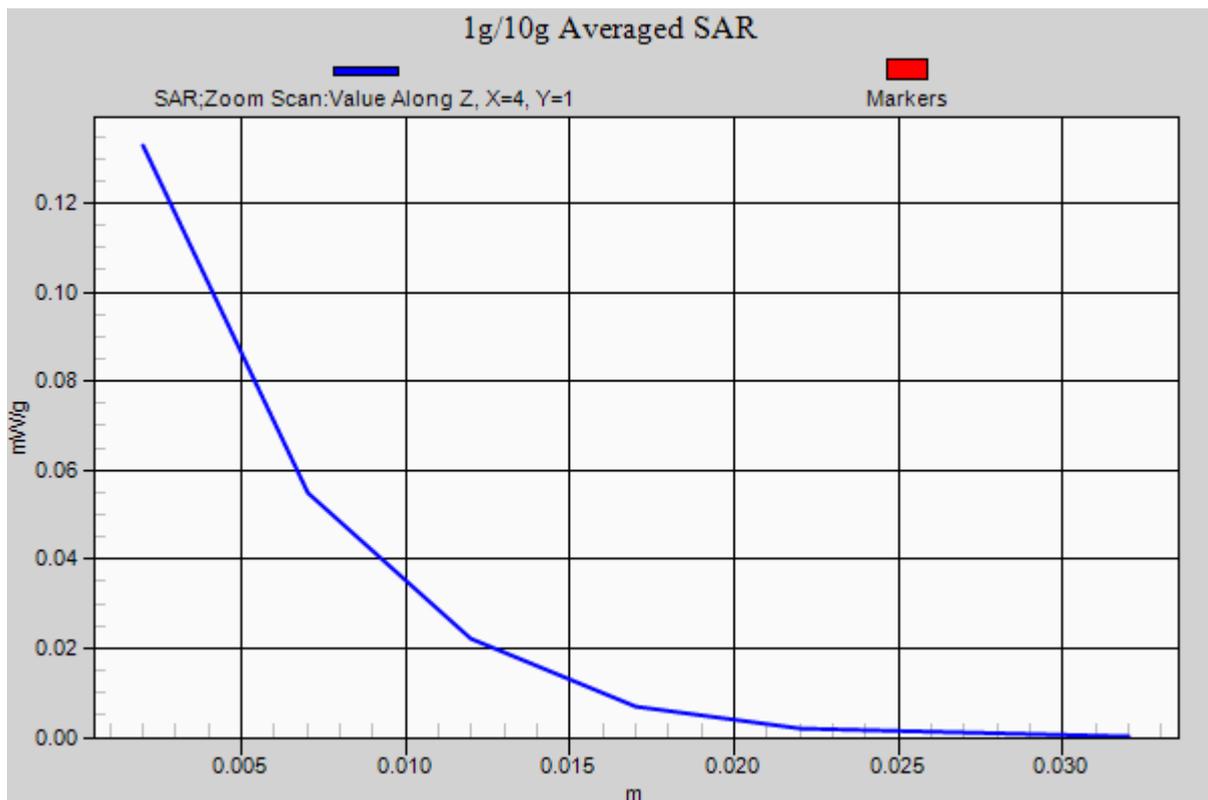
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**Area Scan (131x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 0.231 mW/g  
**SAR(1 g) = 0.094 W/kg; SAR(10 g) = 0.040 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Bottom, GSM850 GPRS 4 Tx Ch.190, Ant Internal**

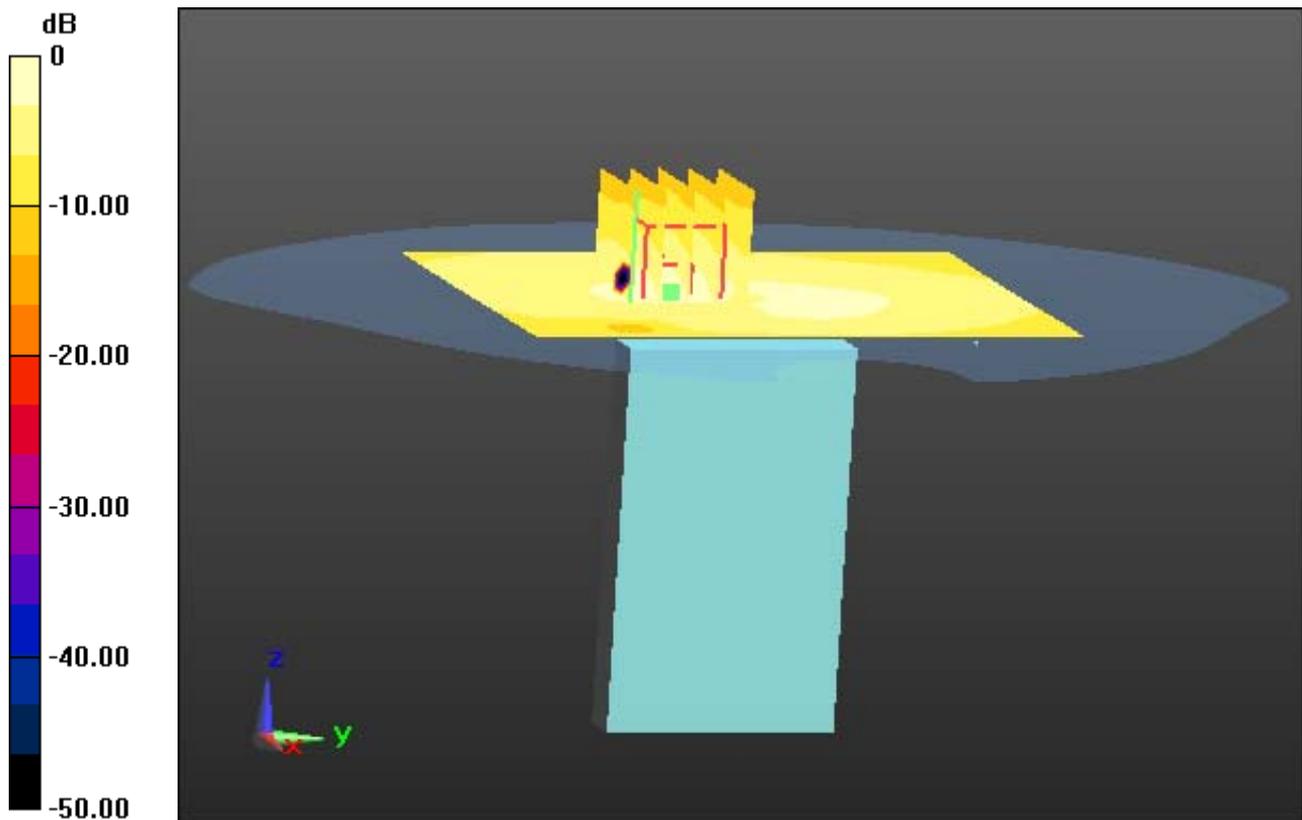
**Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.135 mW/g

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.045 W/kg**



0 dB = 0.111 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Bottom, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

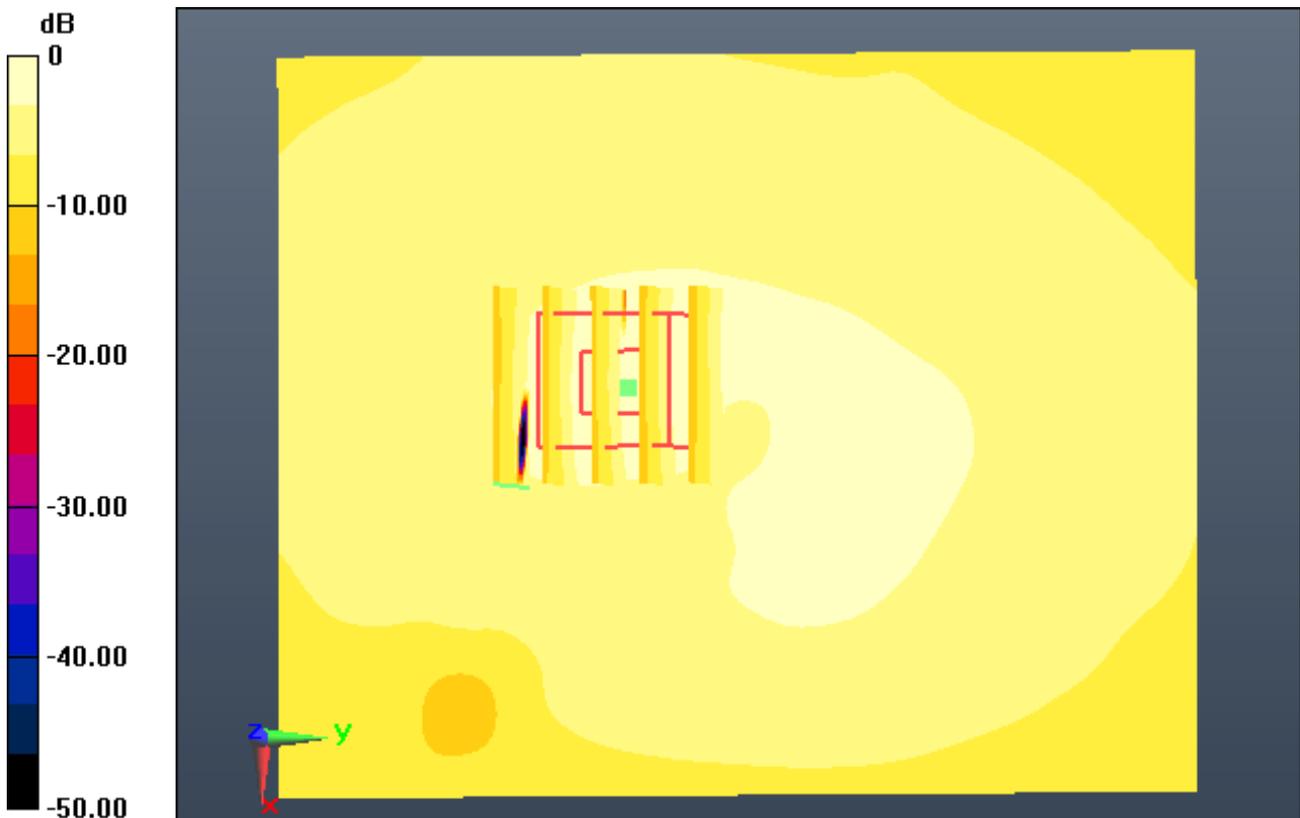
**Area Scan (81x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.135 mW/g

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.045 W/kg**



0 dB = 0.111 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Front, GSM850 GPRS 4 Tx Ch.190, Ant Internal**

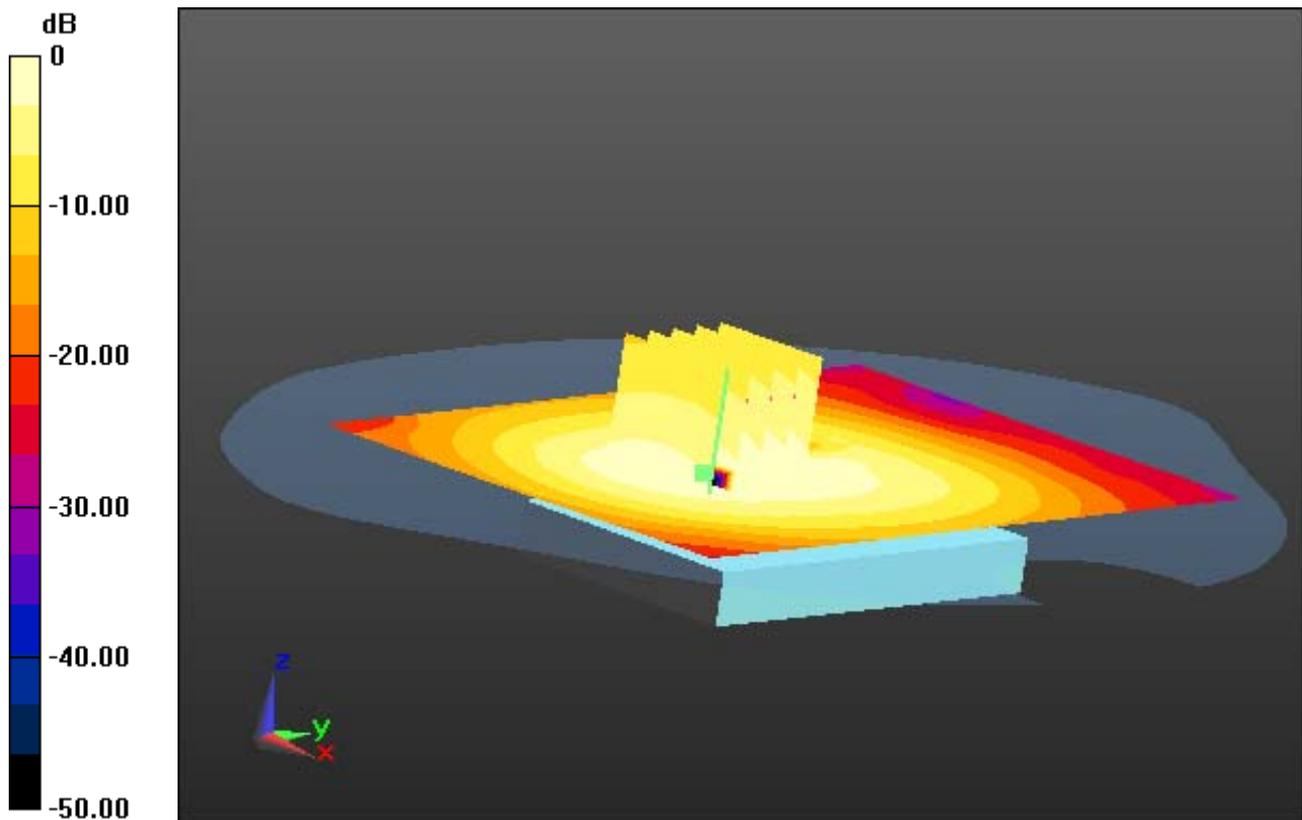
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.869 mW/g

**SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.419 W/kg**



0 dB = 0.694 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Front, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

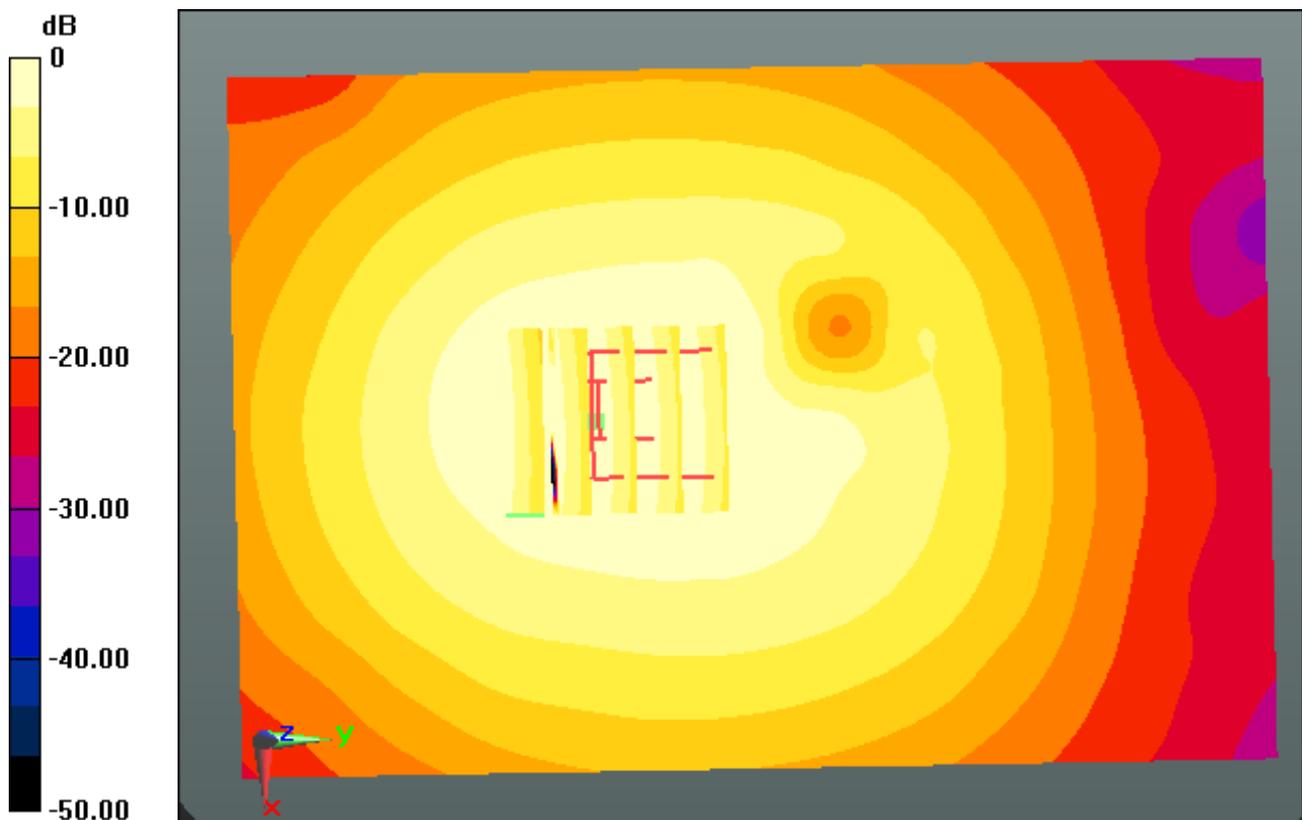
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.869 mW/g

**SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.419 W/kg**



0 dB = 0.694 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

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

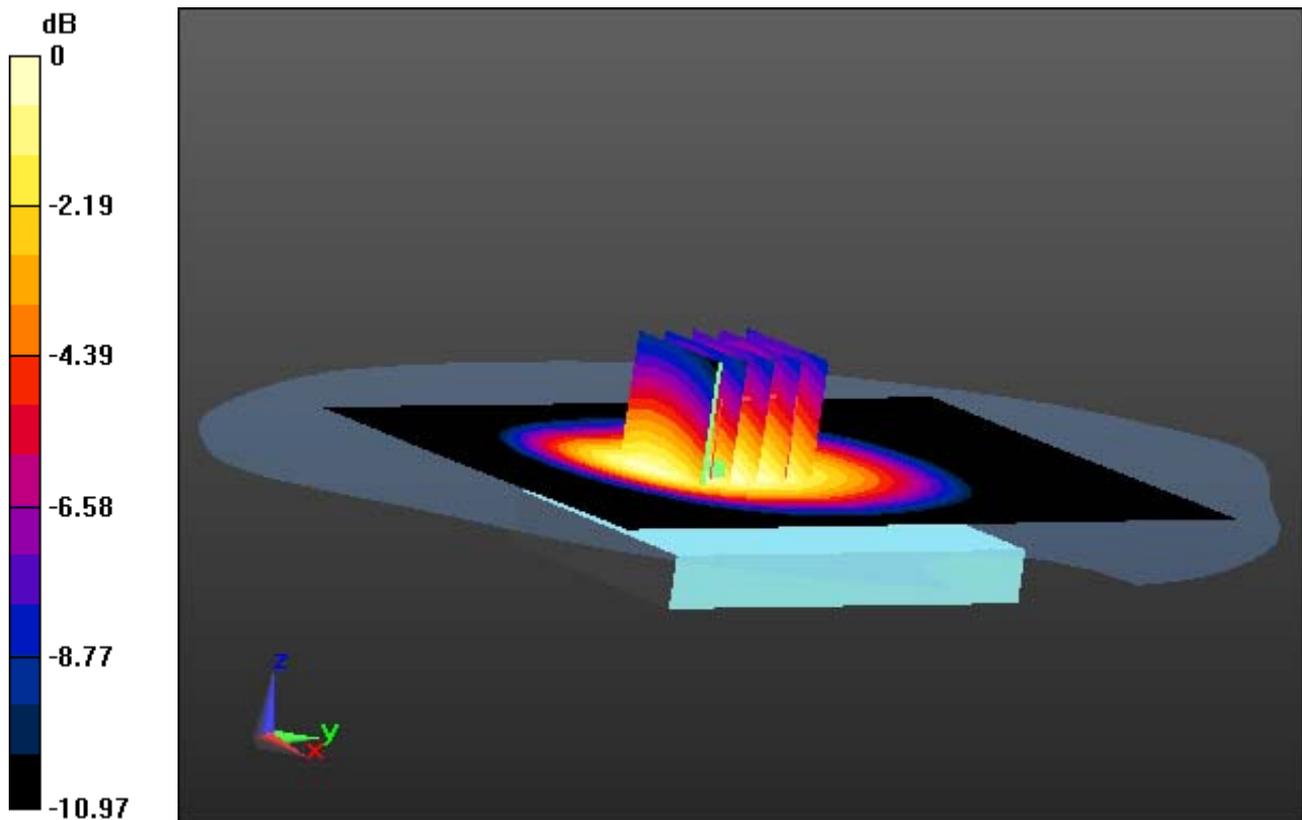
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.826 mW/g

**SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.441 W/kg**



0 dB = 0.732 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

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

**With Enlarge plot image**

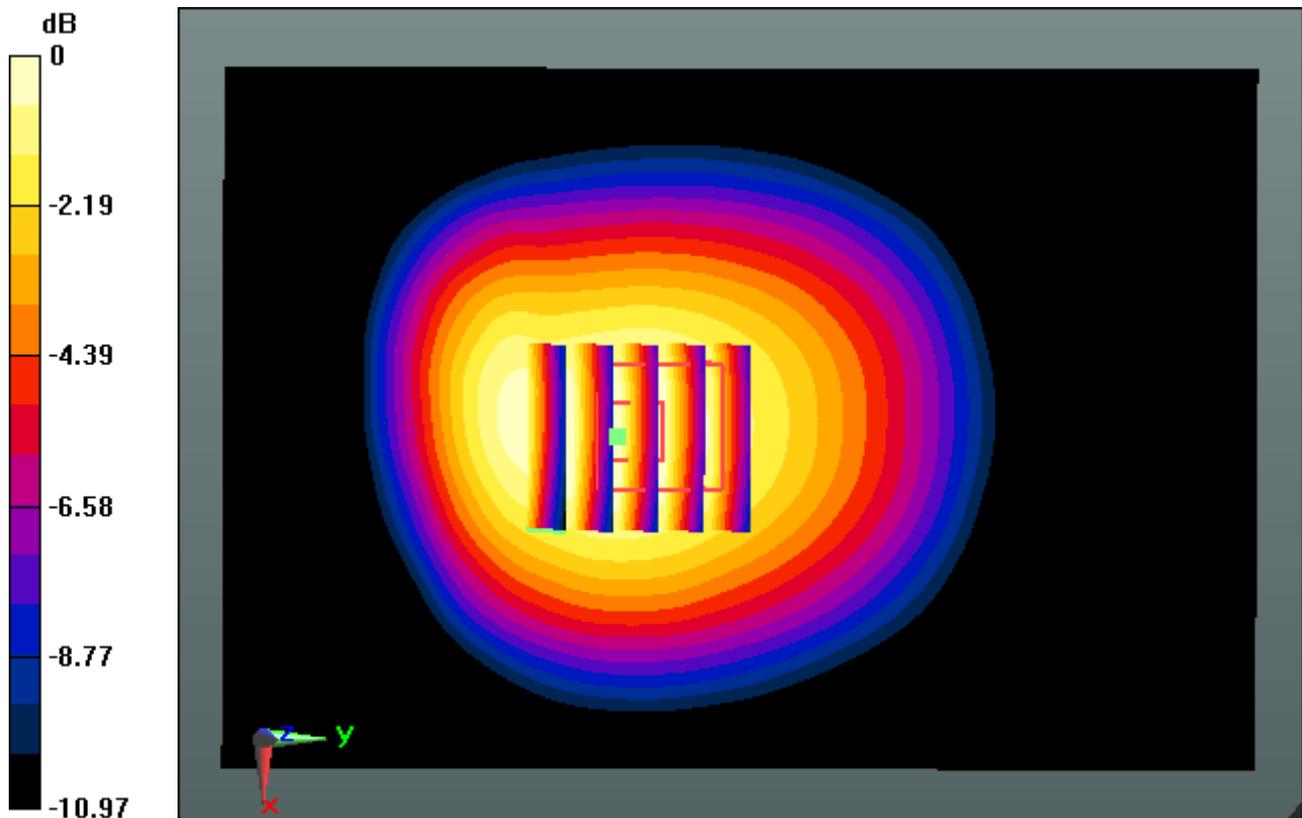
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.826 mW/g

SAR(1 g) = 0.616 W/kg; SAR(10 g) = 0.441 W/kg



0 dB = 0.732 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

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

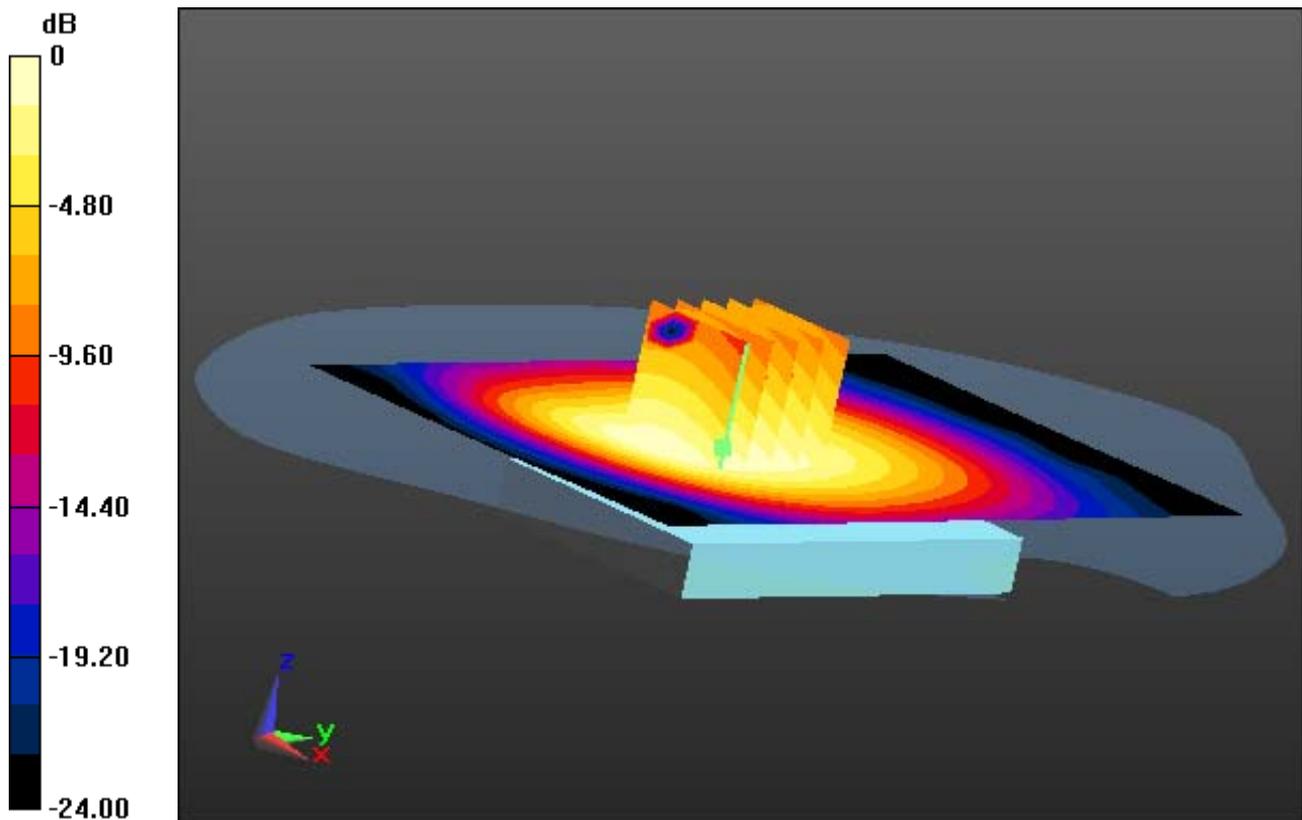
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.828 mW/g

SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.443 W/kg



0 dB = 0.734 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850; Frequency: 836.6 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

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

**With Enlarge plot image**

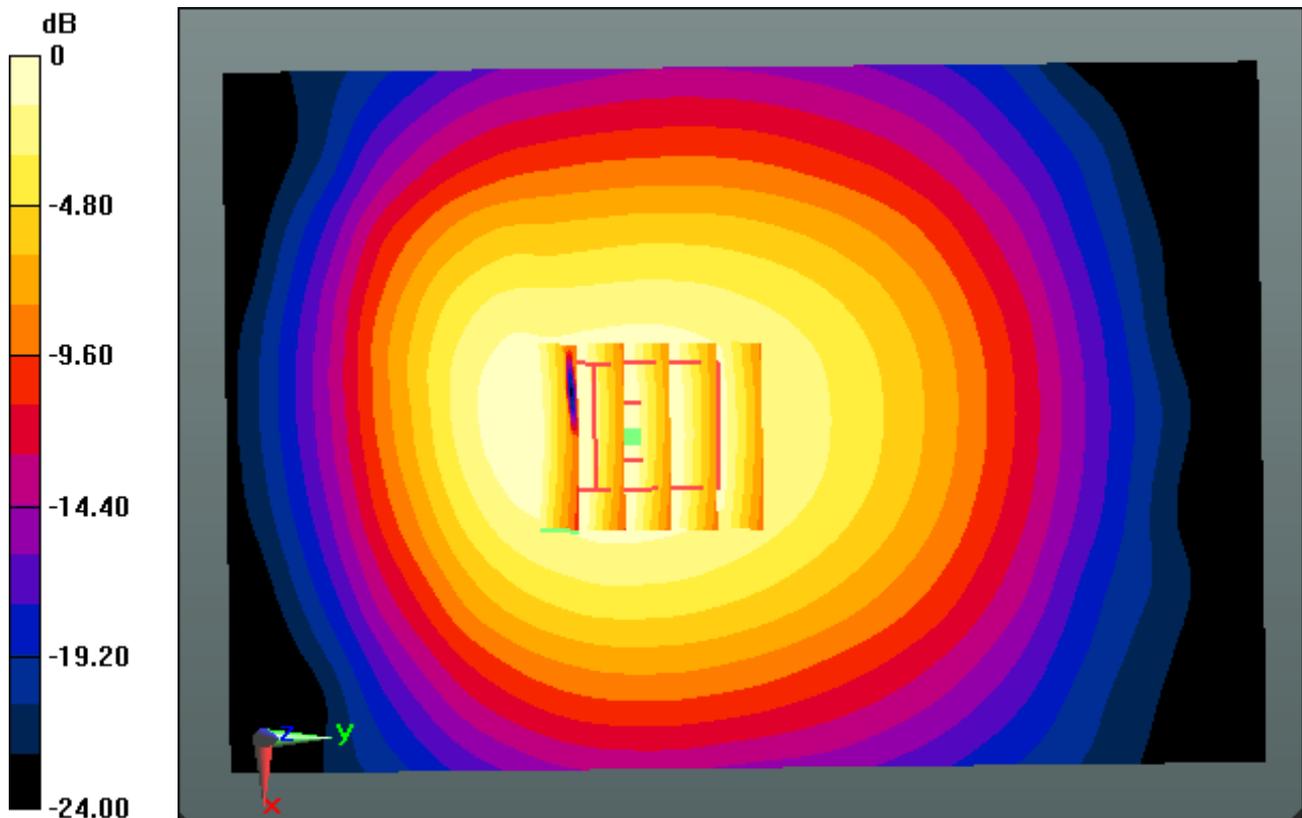
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.828 mW/g

**SAR(1 g) = 0.618 W/kg; SAR(10 g) = 0.443 W/kg**



0 dB = 0.734 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 55.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 128, Ant Internal**

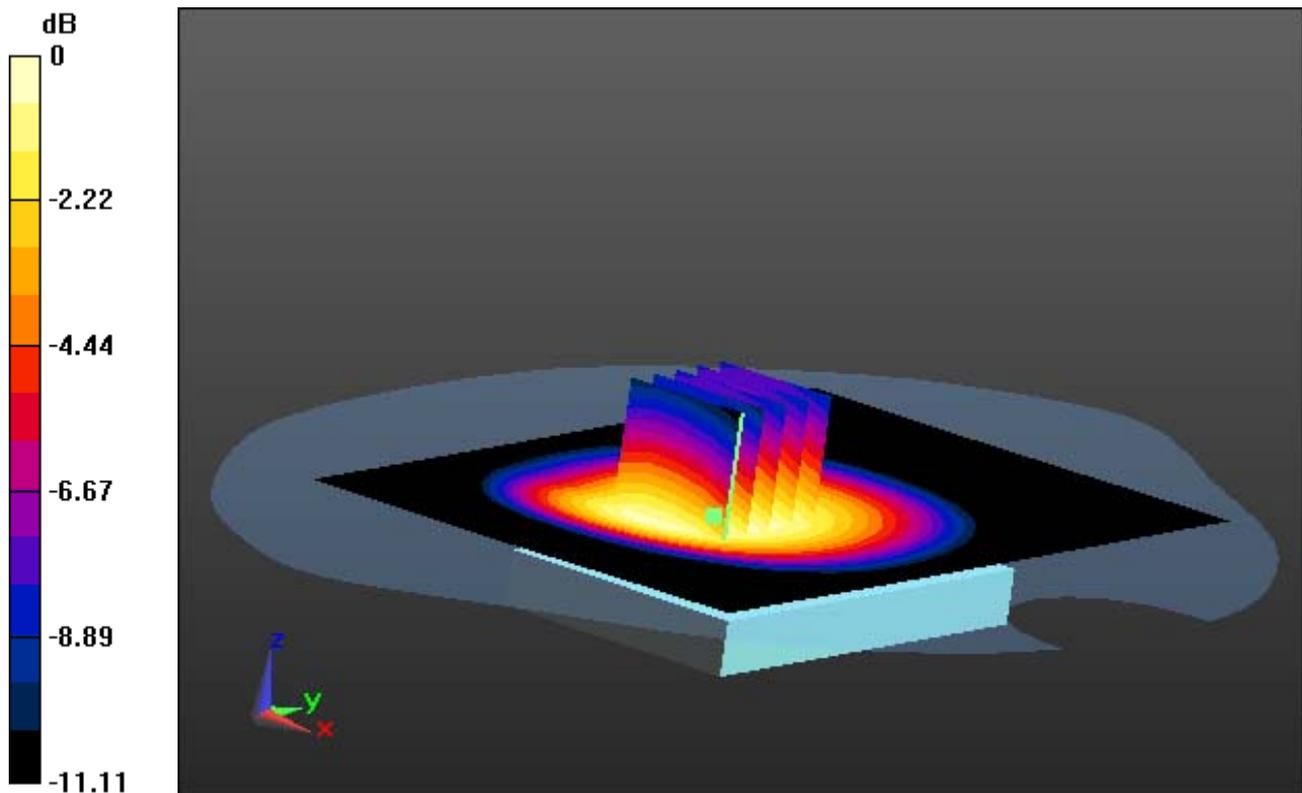
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.098 mW/g

**SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.580 W/kg**



0 dB = 0.969 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 824.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 55.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 128, Ant Internal**

**With Enlarge plot image**

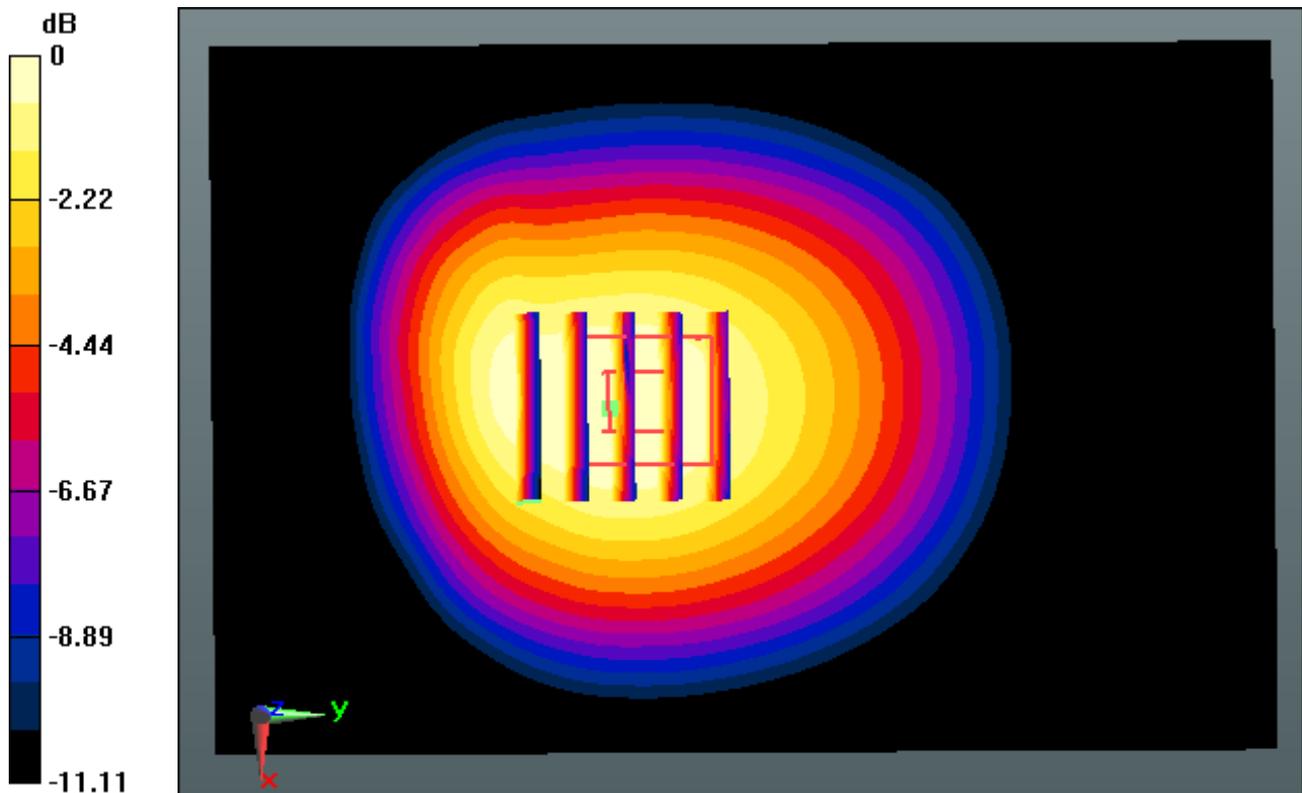
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.098 mW/g

**SAR(1 g) = 0.820 W/kg; SAR(10 g) = 0.580 W/kg**



0 dB = 0.969 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal**

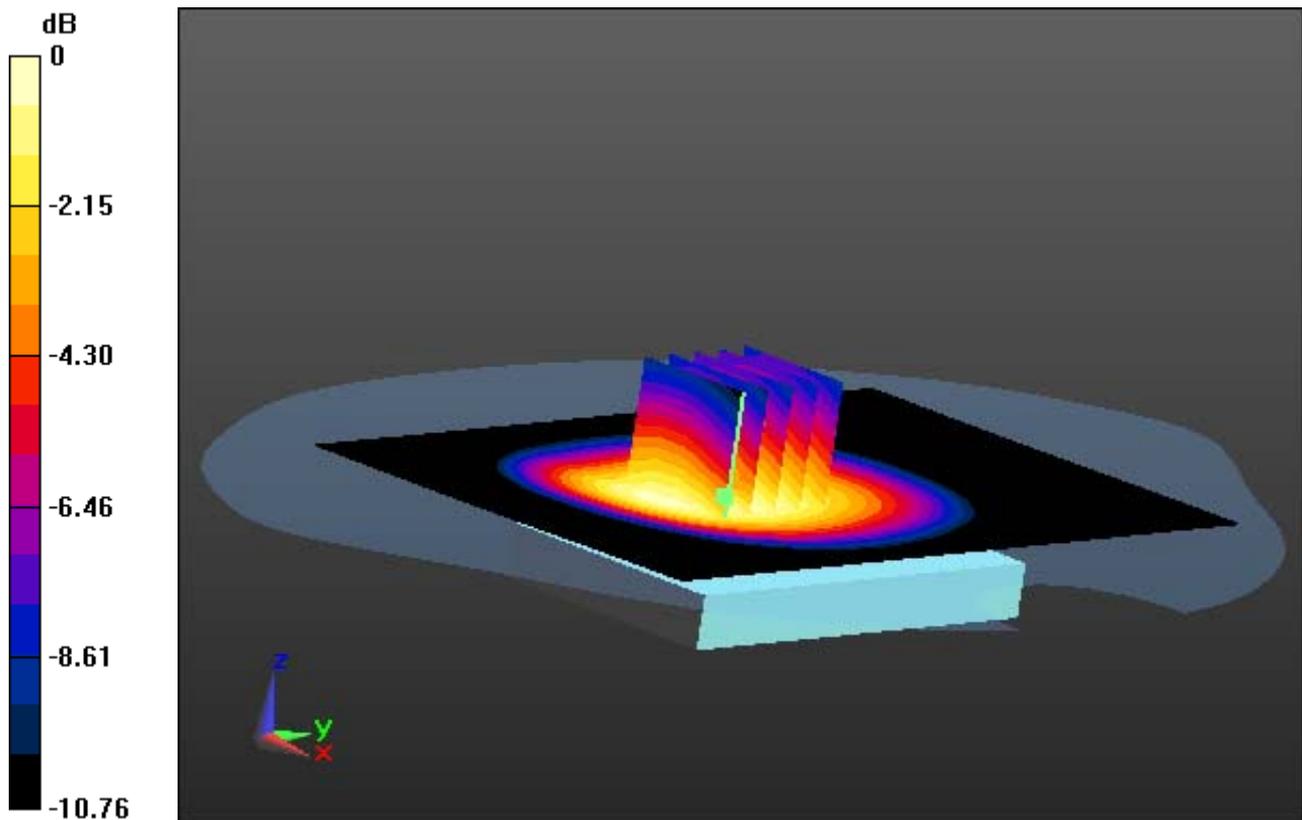
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.092 mW/g

**SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.569 W/kg**



0 dB = 0.951 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 836.6 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

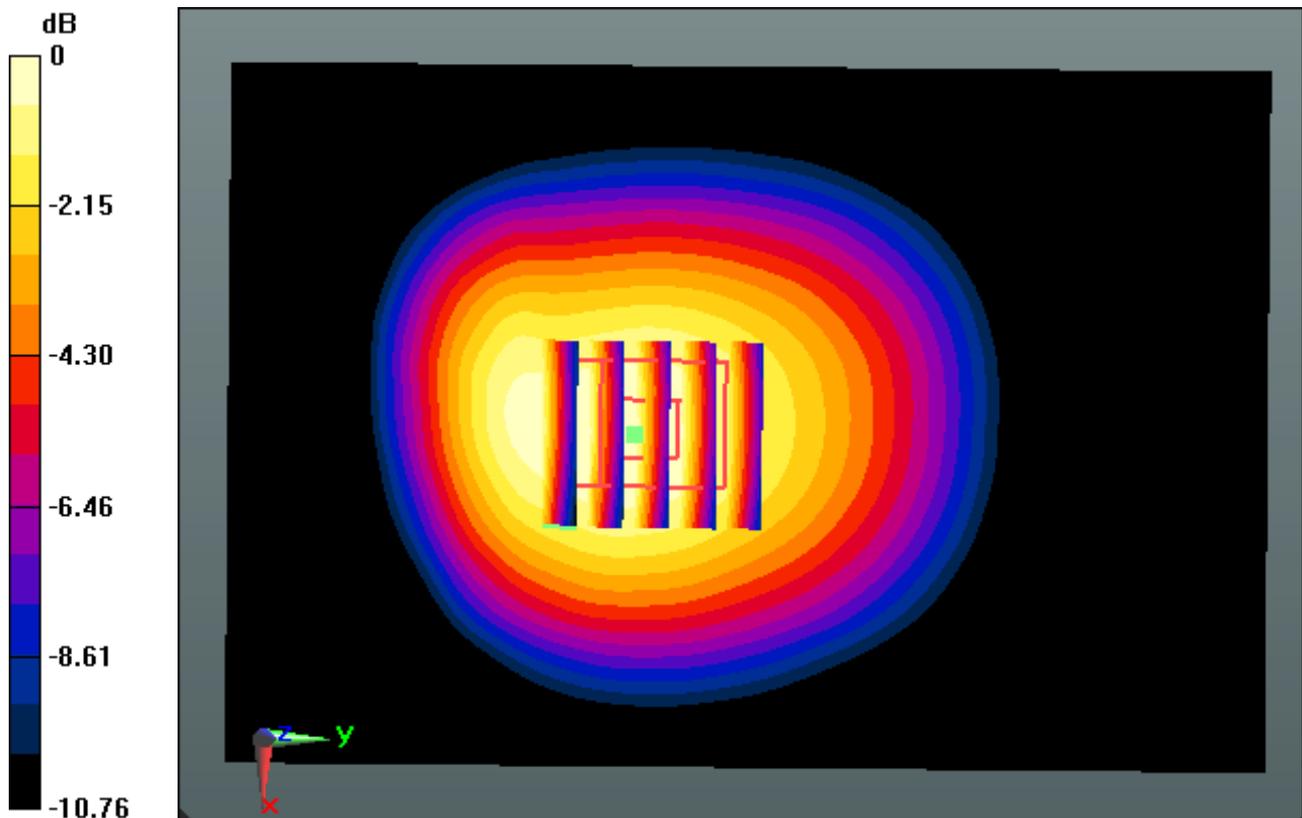
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.092 mW/g

SAR(1 g) = 0.796 W/kg; SAR(10 g) = 0.569 W/kg



0 dB = 0.951 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 251, Ant Internal**

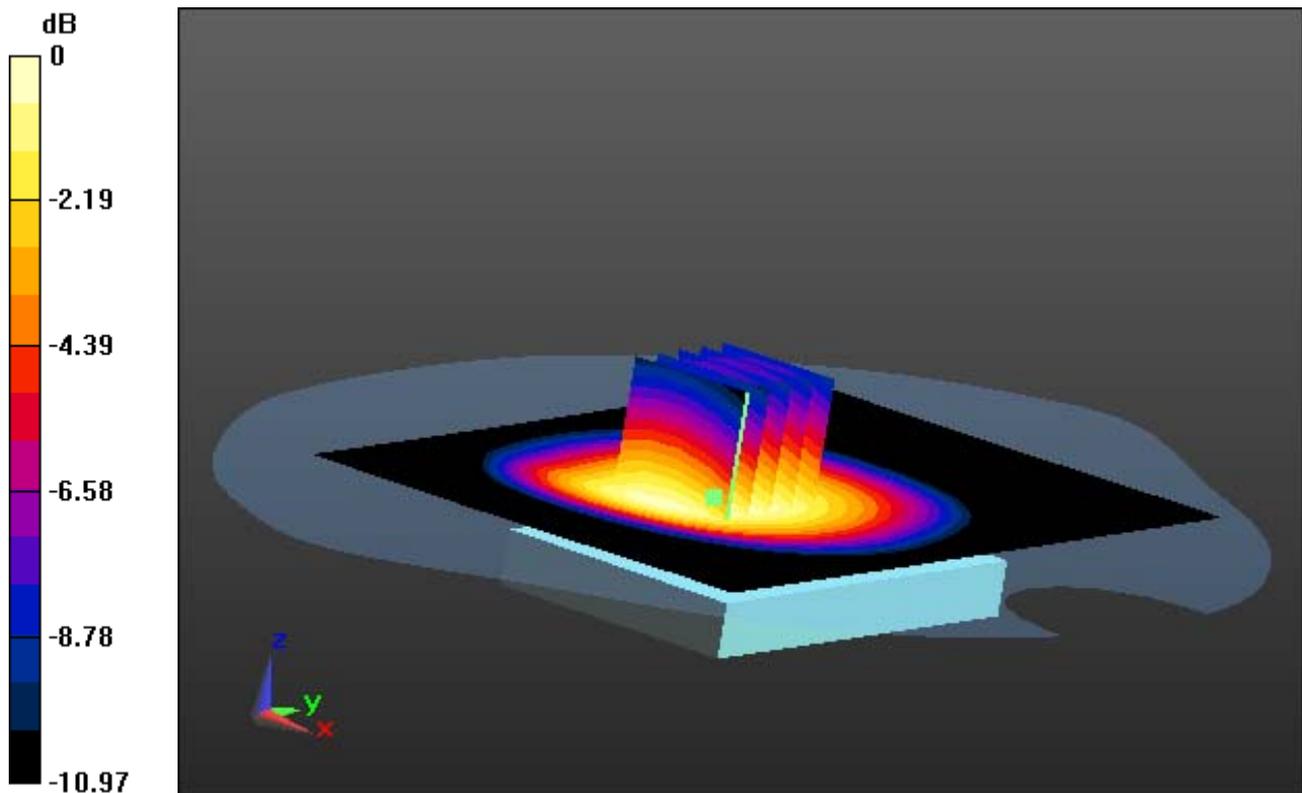
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.246 mW/g

**SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.651 W/kg**



0 dB = 1.10 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_10; Frequency: 848.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 2 Tx Ch. 251, Ant Internal**

**With Enlarge plot image**

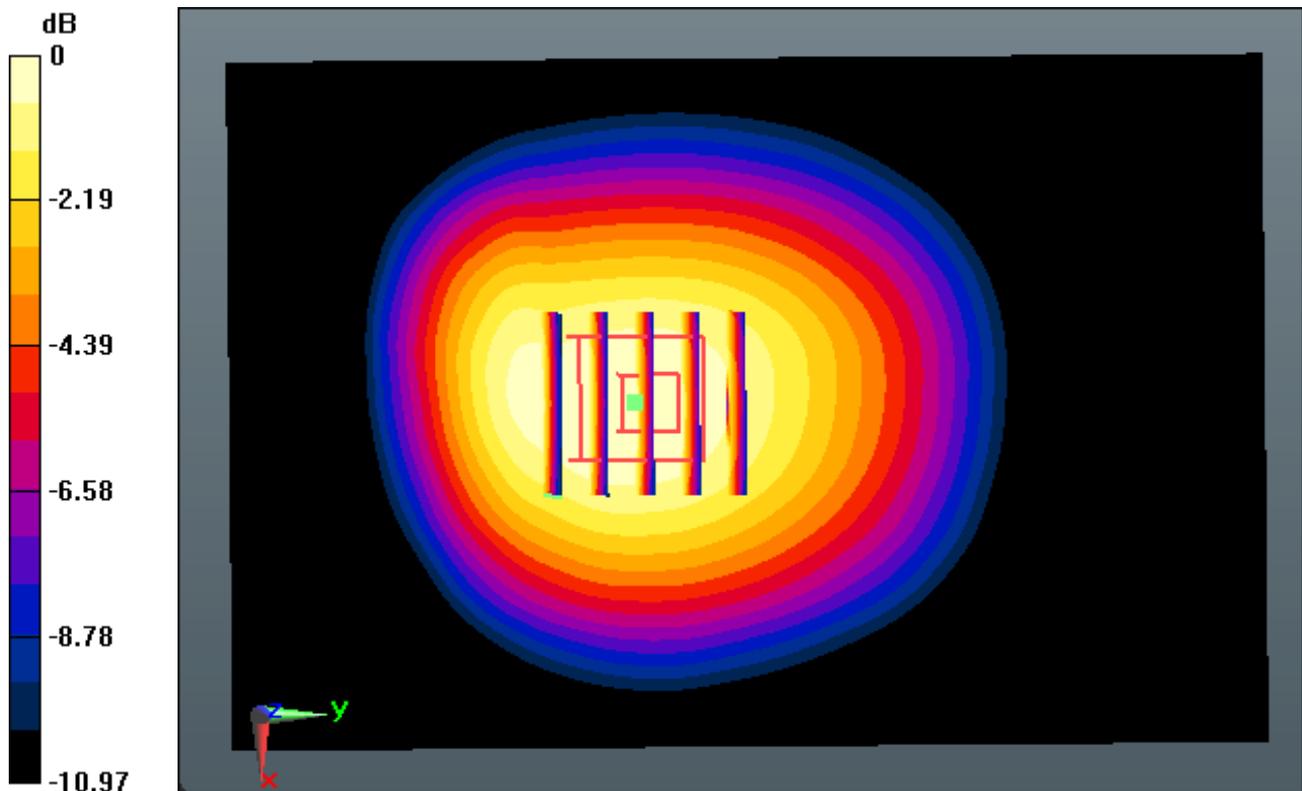
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 1.246 mW/g

SAR(1 g) = 0.933 W/kg; SAR(10 g) = 0.651 W/kg



0 dB = 1.10 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 55.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 128, Ant Internal**

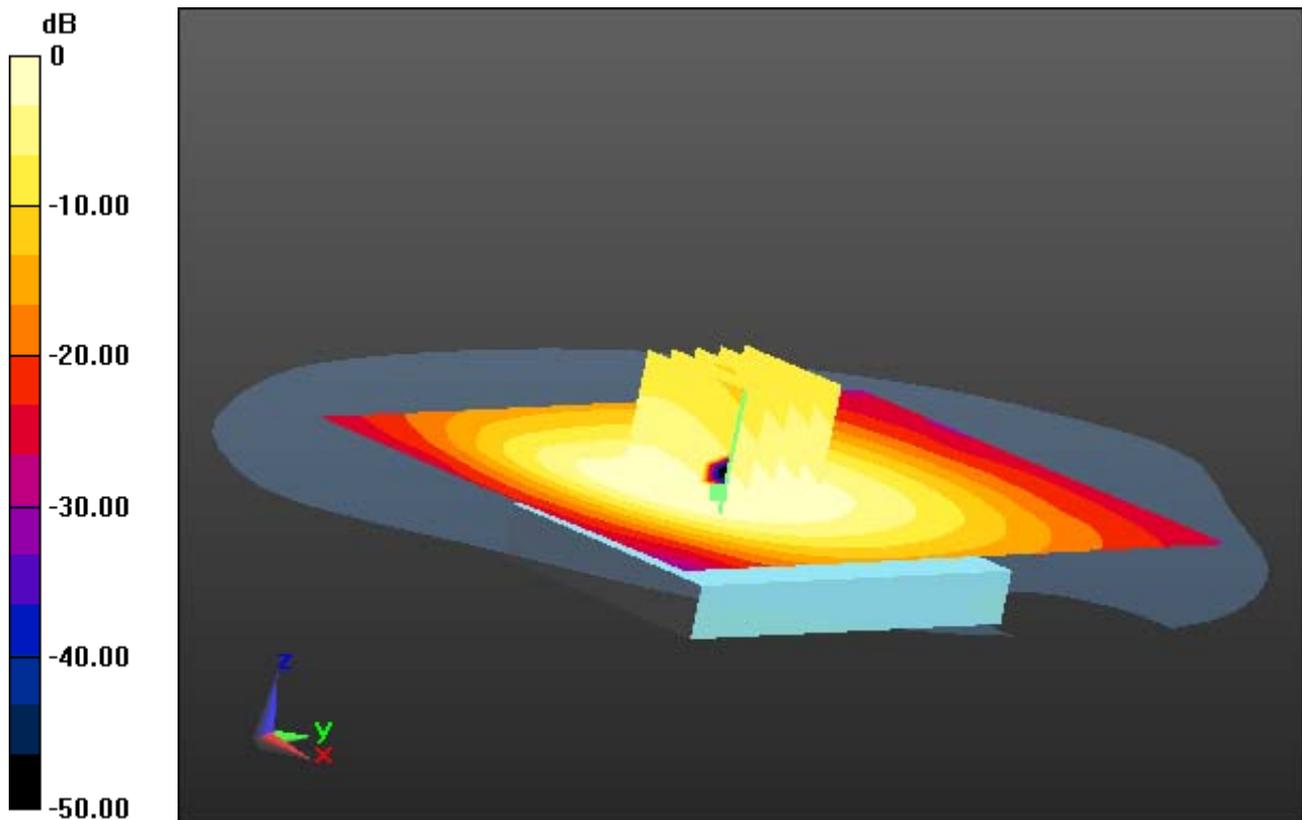
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.200 mW/g

SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.652 W/kg



0 dB = 1.07 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 824.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 55.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 128, Ant Internal**

**With Enlarge plot image**

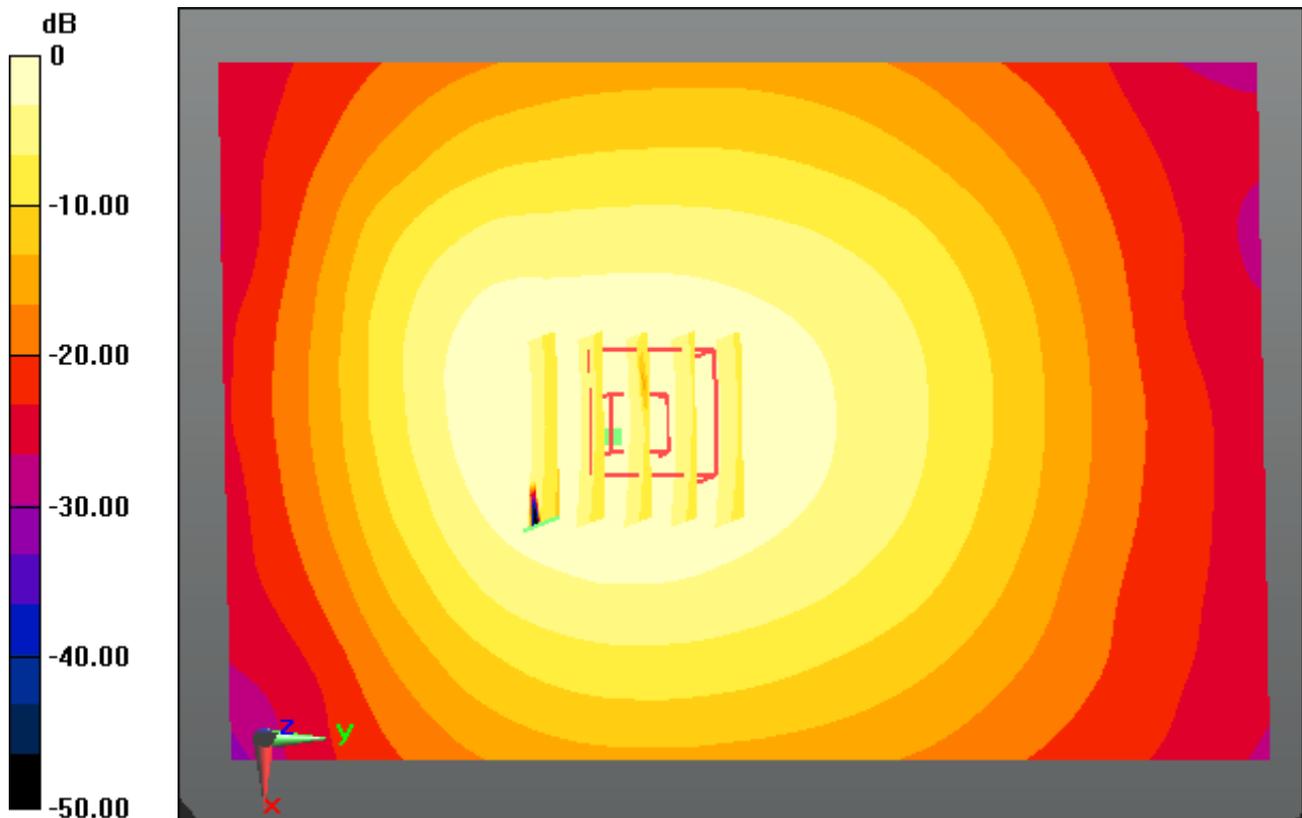
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.200 mW/g

SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.652 W/kg



0 dB = 1.07 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant Internal**

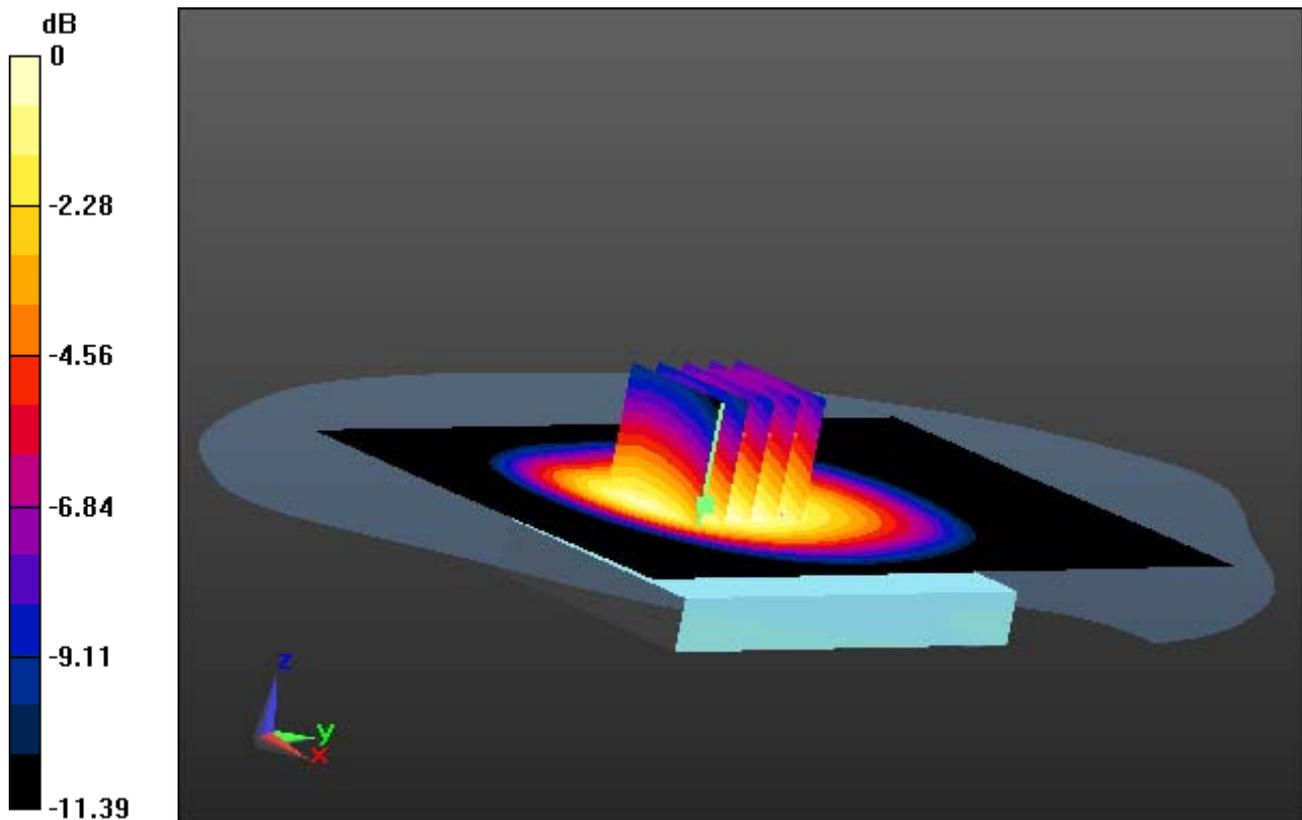
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.331 mW/g

**SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.713 W/kg**



0 dB = 1.17 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 836.6 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

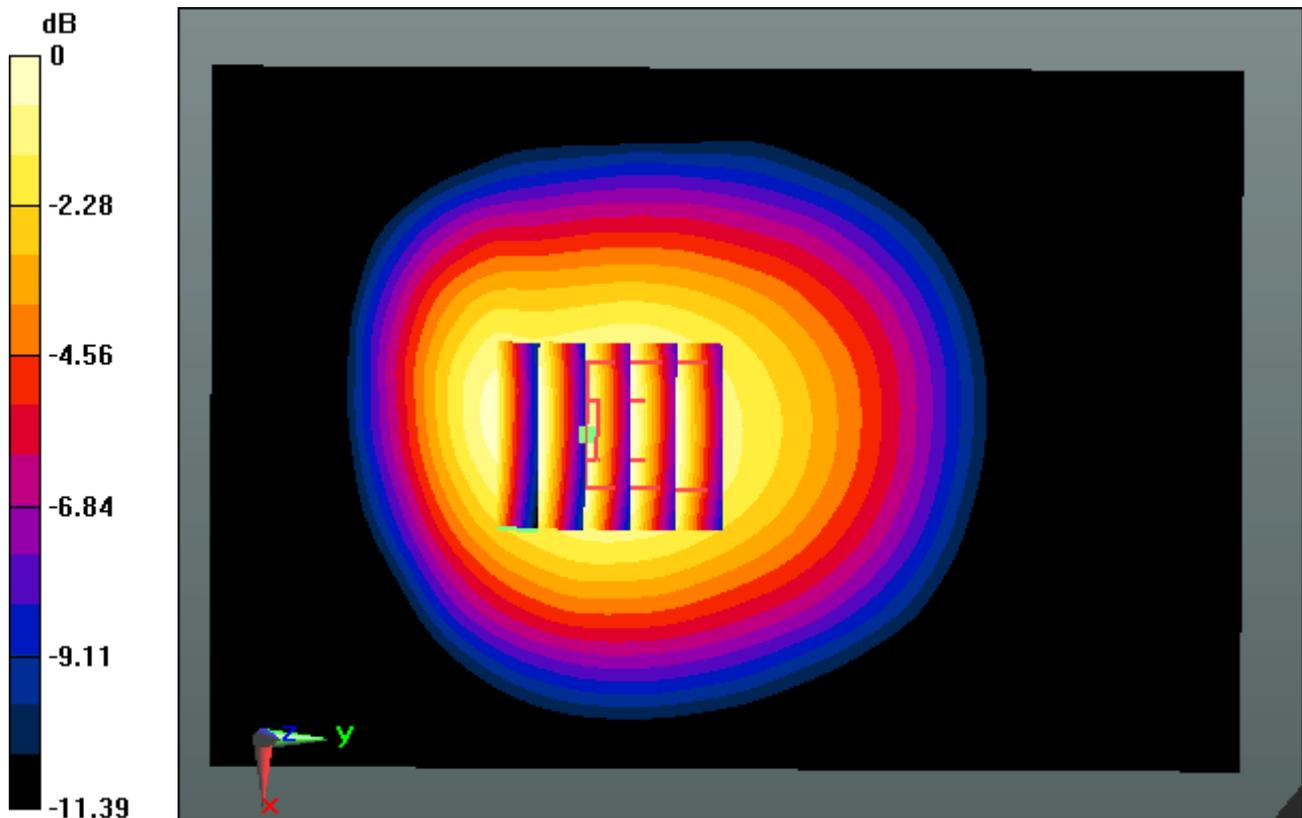
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.331 mW/g

SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.713 W/kg



0 dB = 1.17 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 848.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal**

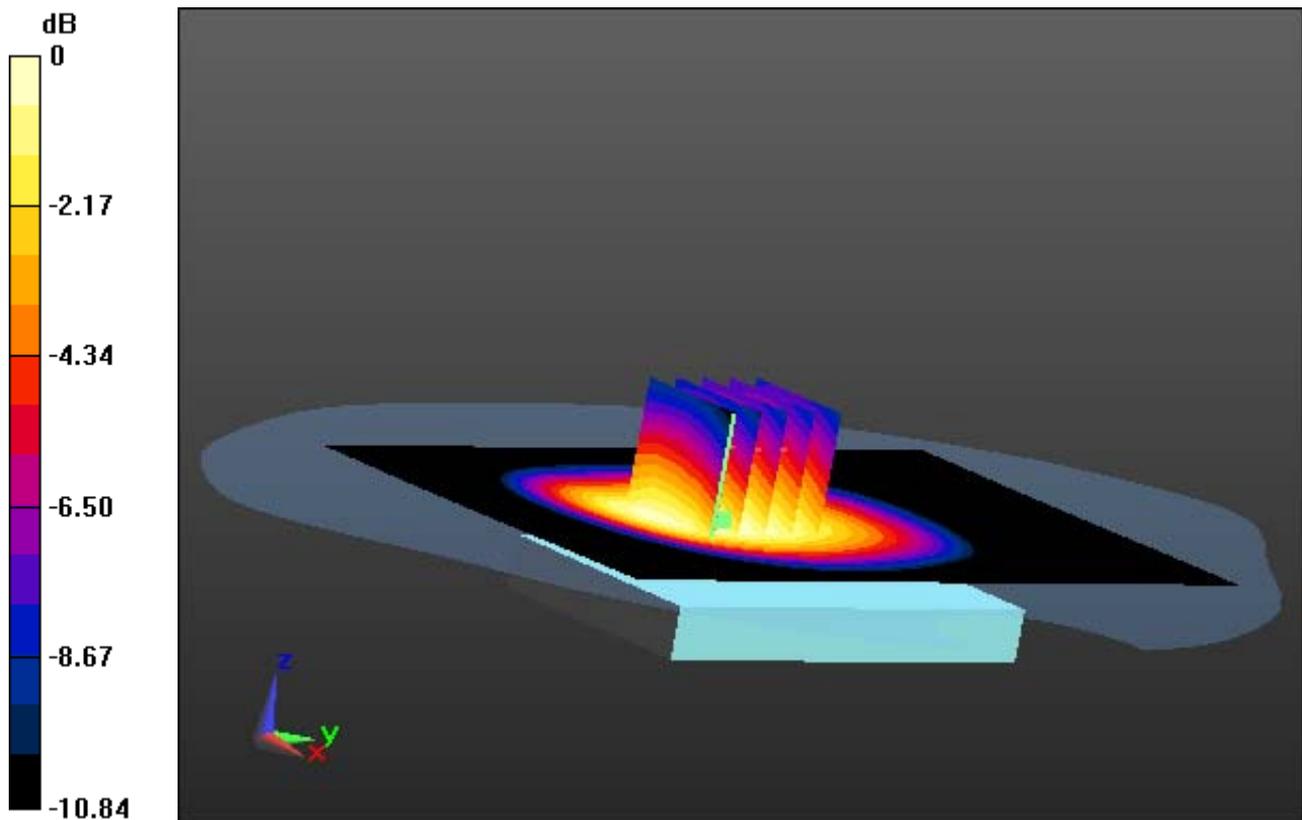
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.333 mW/g

**SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.713 W/kg**



0 dB = 1.17 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_11; Frequency: 848.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 3 Tx Ch. 251, Ant Internal**

**With Enlarge plot image**

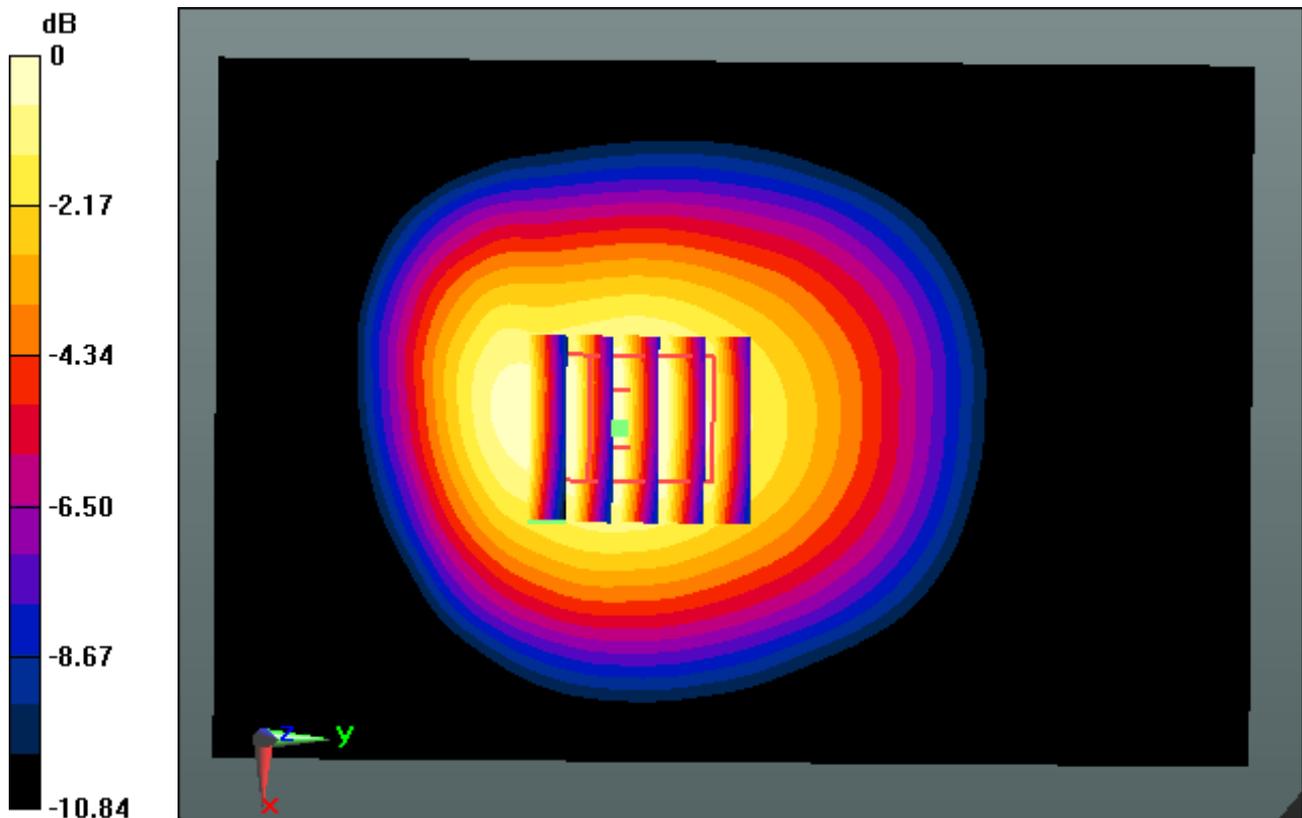
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 1.333 mW/g

SAR(1 g) = 0.991 W/kg; SAR(10 g) = 0.713 W/kg



0 dB = 1.17 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 824.2 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 55.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 128, Ant Internal**

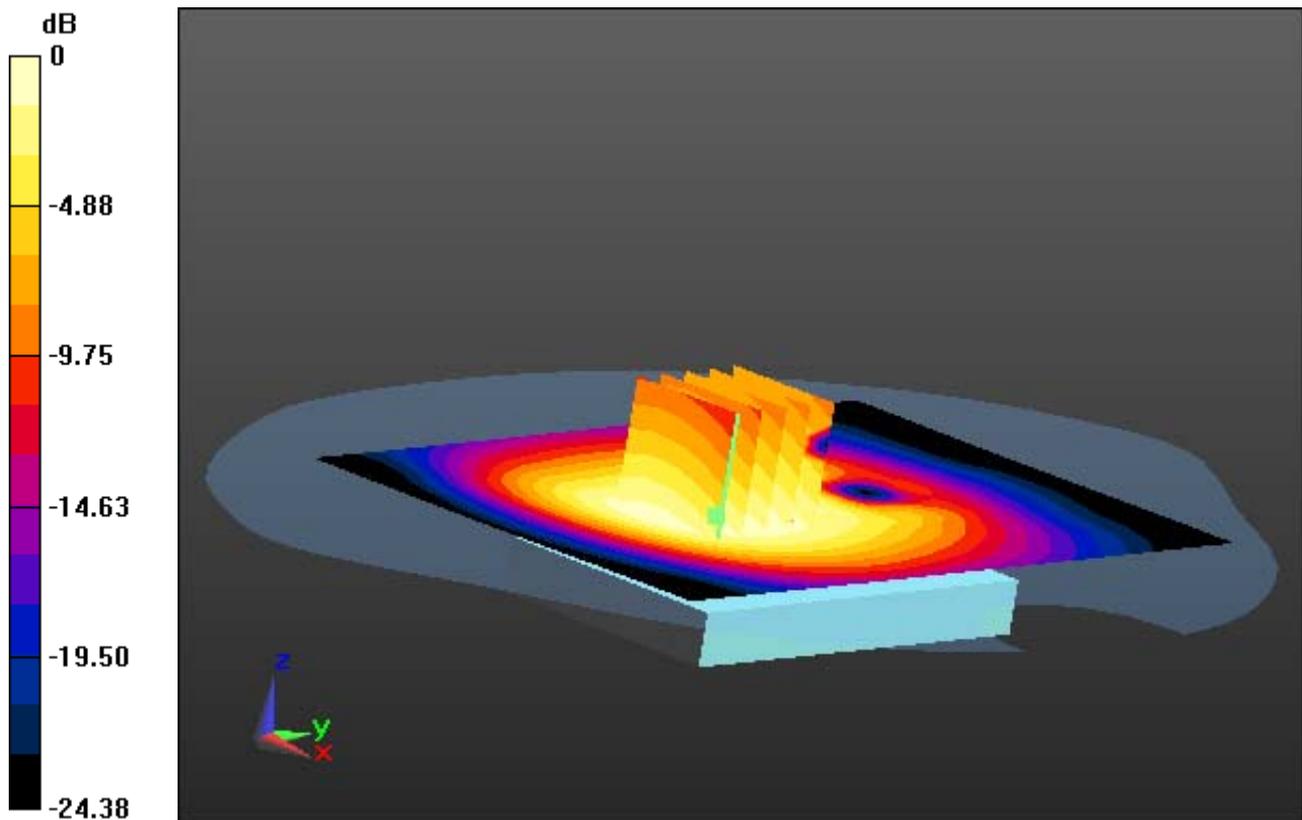
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.366 mW/g

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.719 W/kg**



0 dB = 1.21 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 824.2 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.939$  mho/m;  $\epsilon_r = 55.739$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 128, Ant Internal**

**With Enlarge plot image**

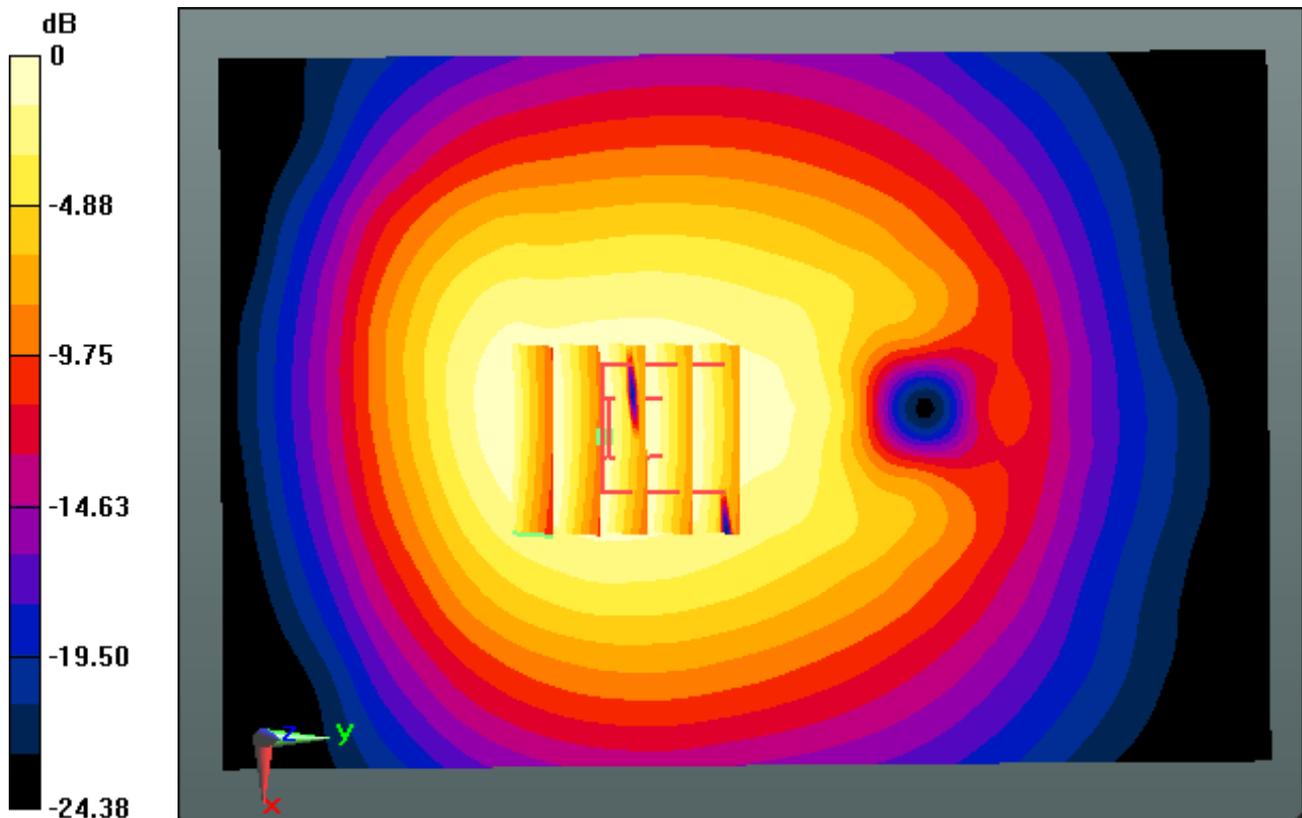
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.366 mW/g

**SAR(1 g) = 1.02 W/kg; SAR(10 g) = 0.719 W/kg**



0 dB = 1.21 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

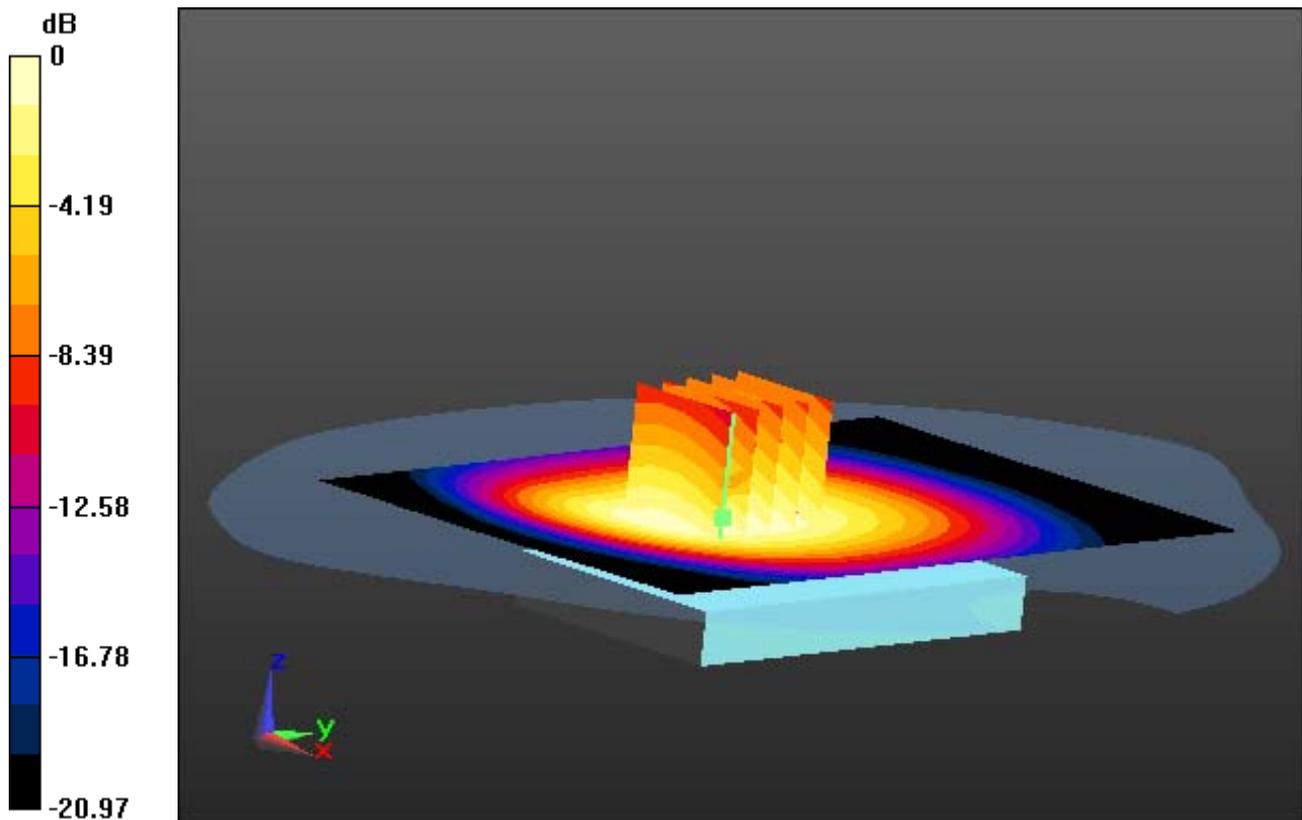
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.413 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.764 W/kg**



0 dB = 1.27 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

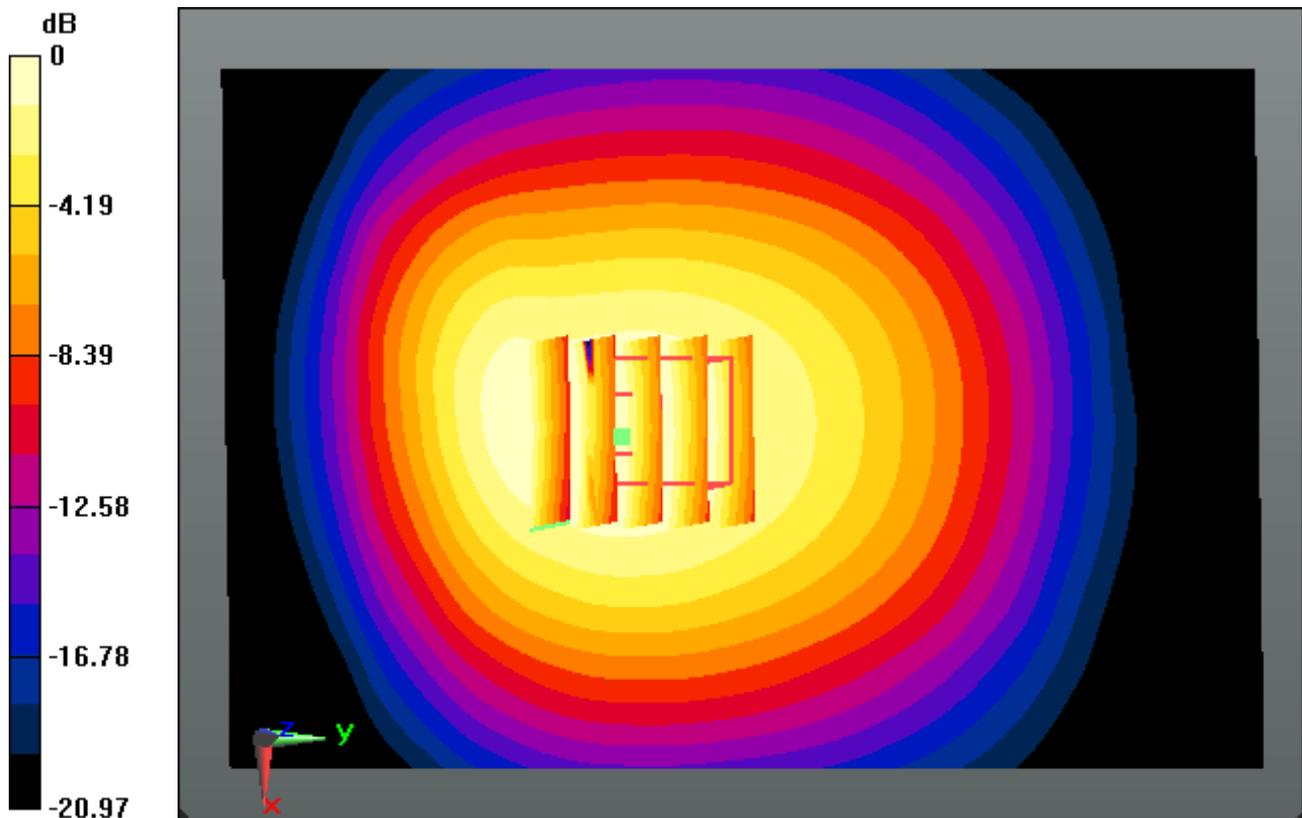
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.413 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.764 W/kg**



0 dB = 1.27 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal**

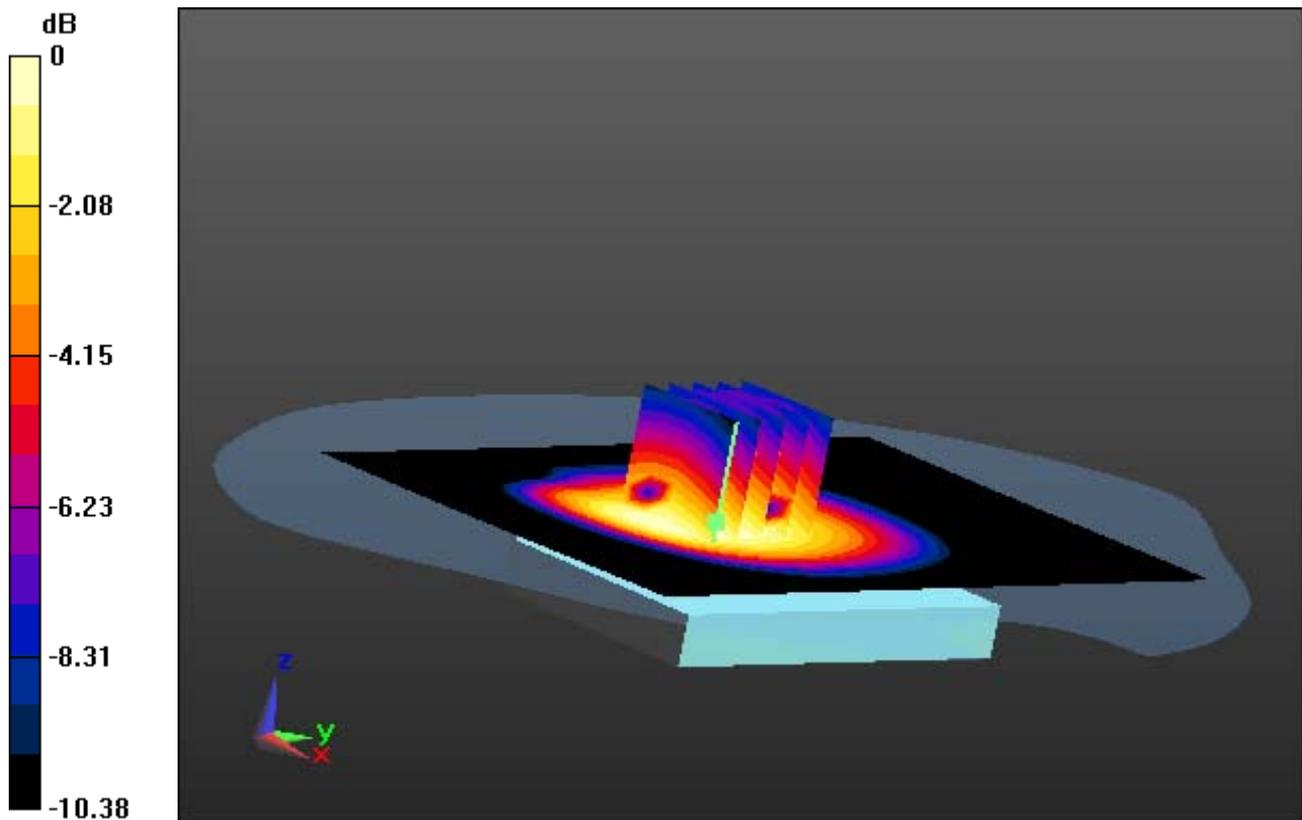
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.673 mW/g

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.729 W/kg**



0 dB = 1.22 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 848.8 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 848.8$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 251, Ant Internal**

**With Enlarge plot image**

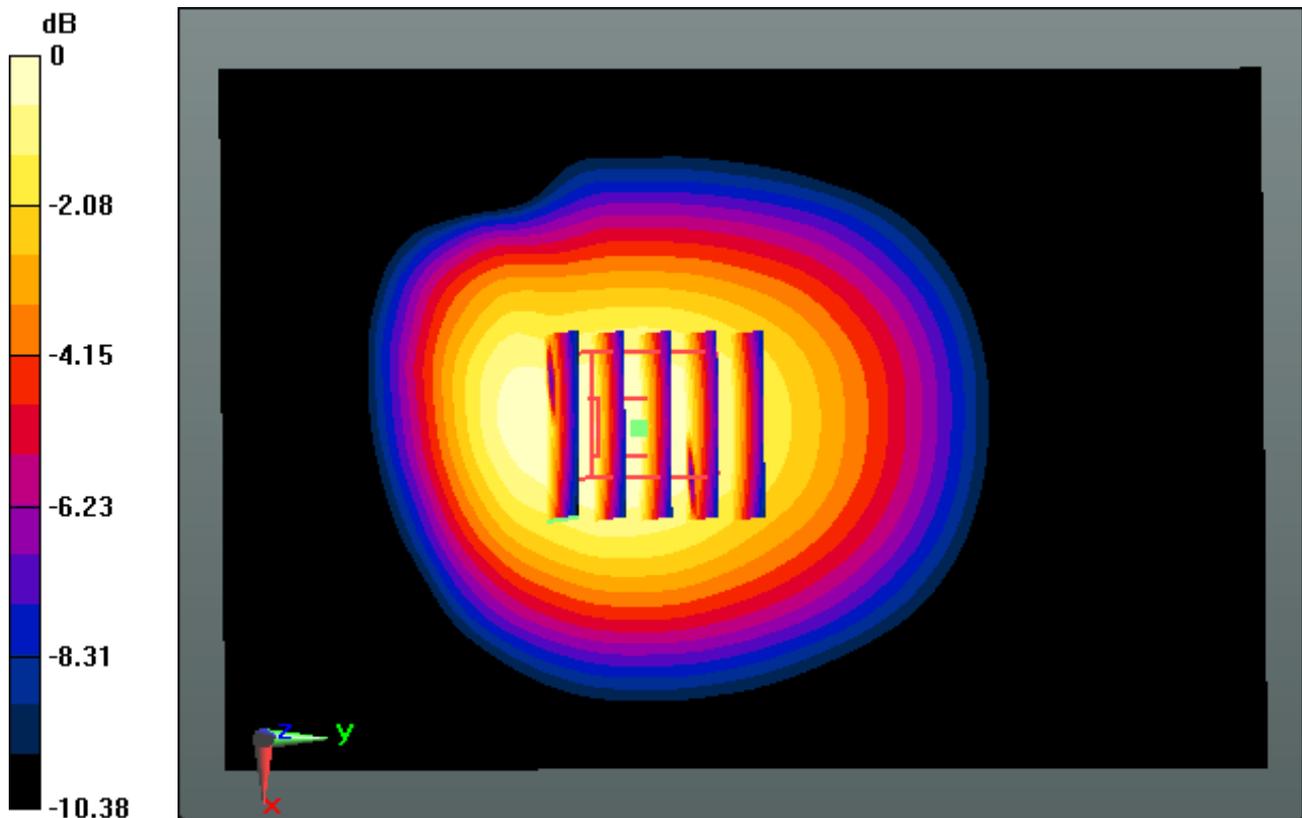
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 3.673 mW/g

**SAR(1 g) = 1.06 W/kg; SAR(10 g) = 0.729 W/kg**



0 dB = 1.22 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Right, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

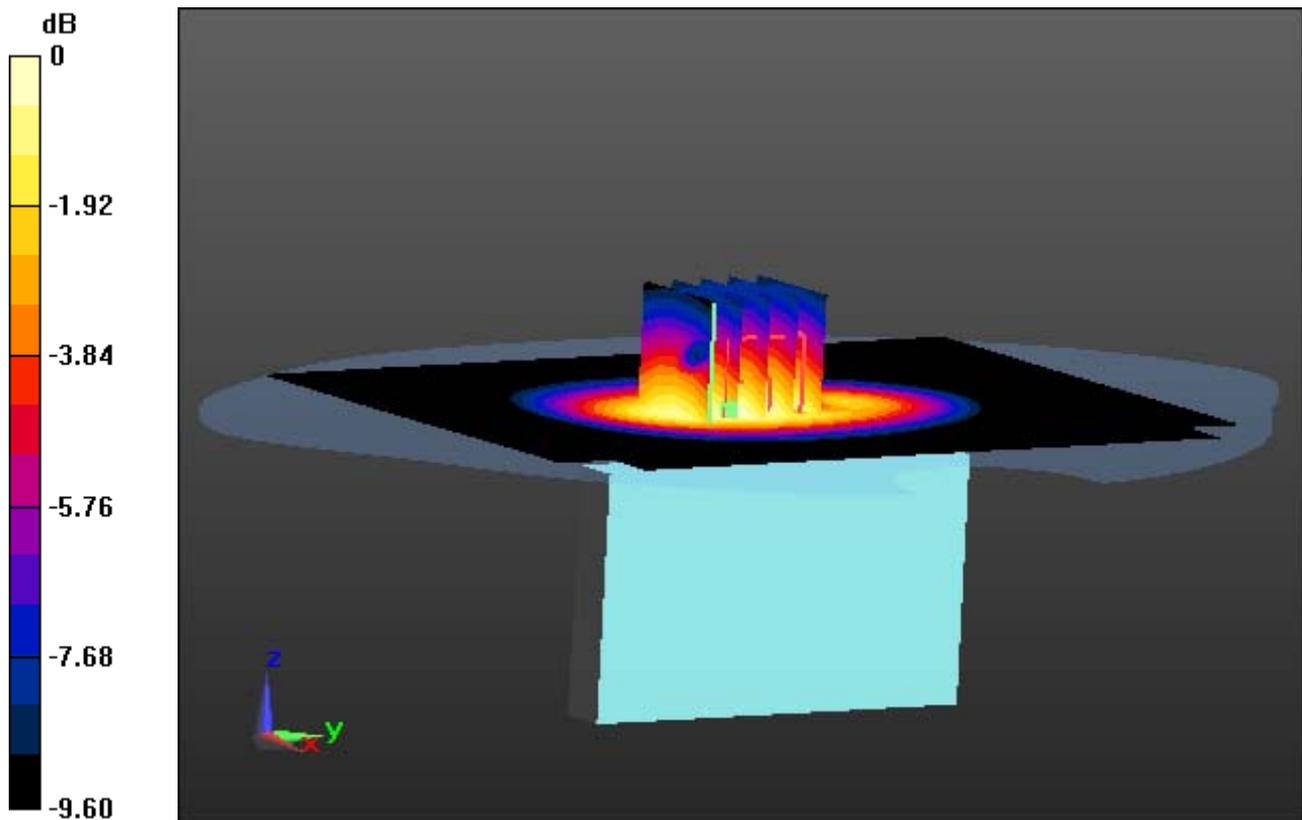
**Area Scan (101x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.854 mW/g

**SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.431 W/kg**



0 dB = 0.743 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Right, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

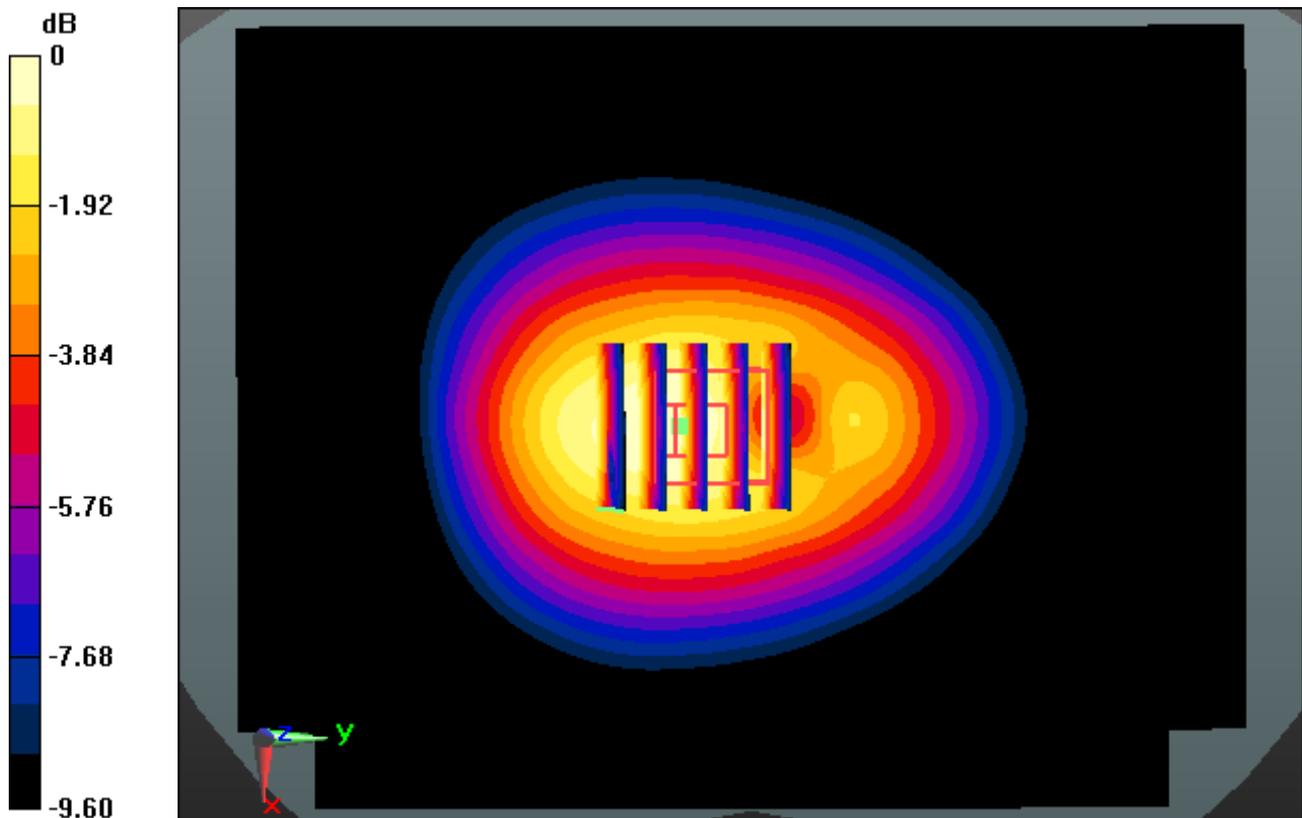
**Area Scan (101x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.854 mW/g

**SAR(1 g) = 0.613 W/kg; SAR(10 g) = 0.431 W/kg**



0 dB = 0.743 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Left, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

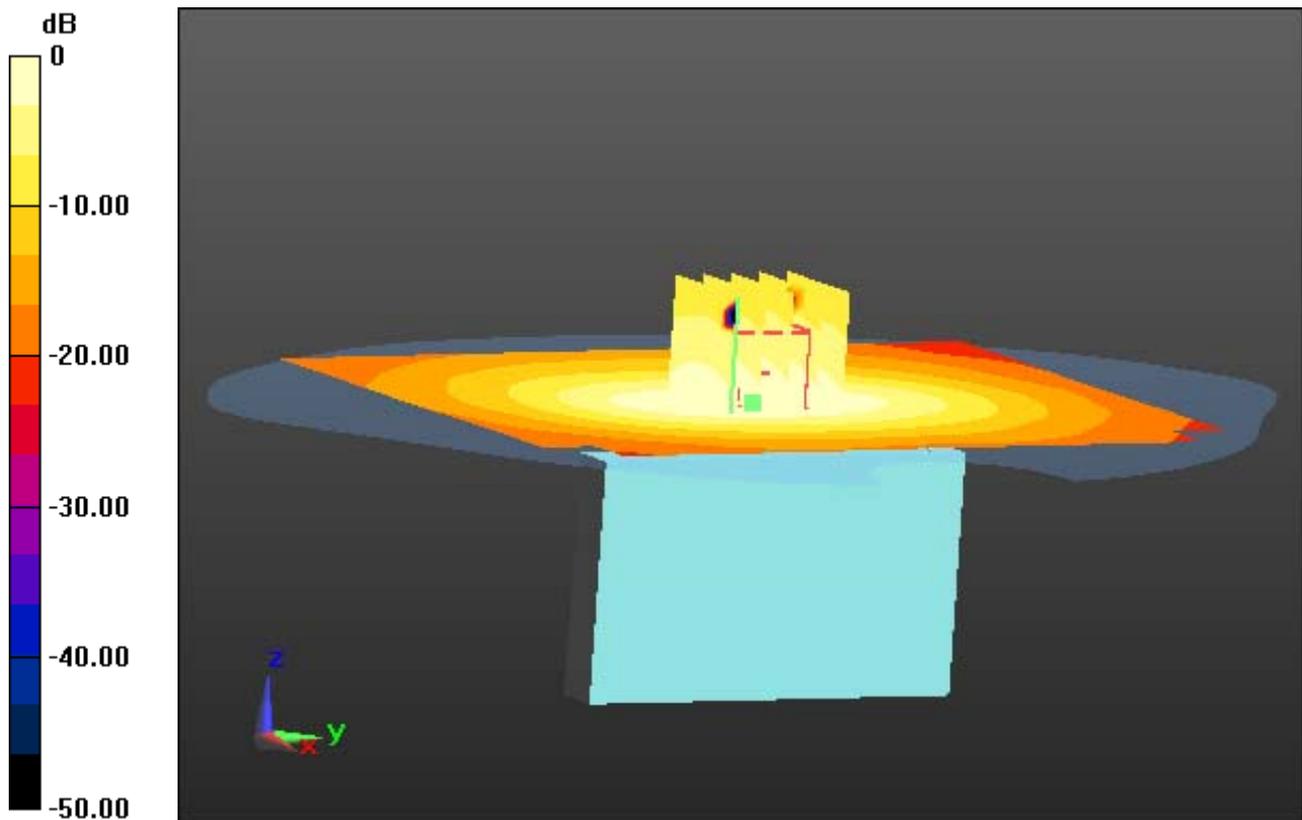
**Area Scan (101x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.700 mW/g

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.340 W/kg**



0 dB = 0.603 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Left, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Enlarge plot image**

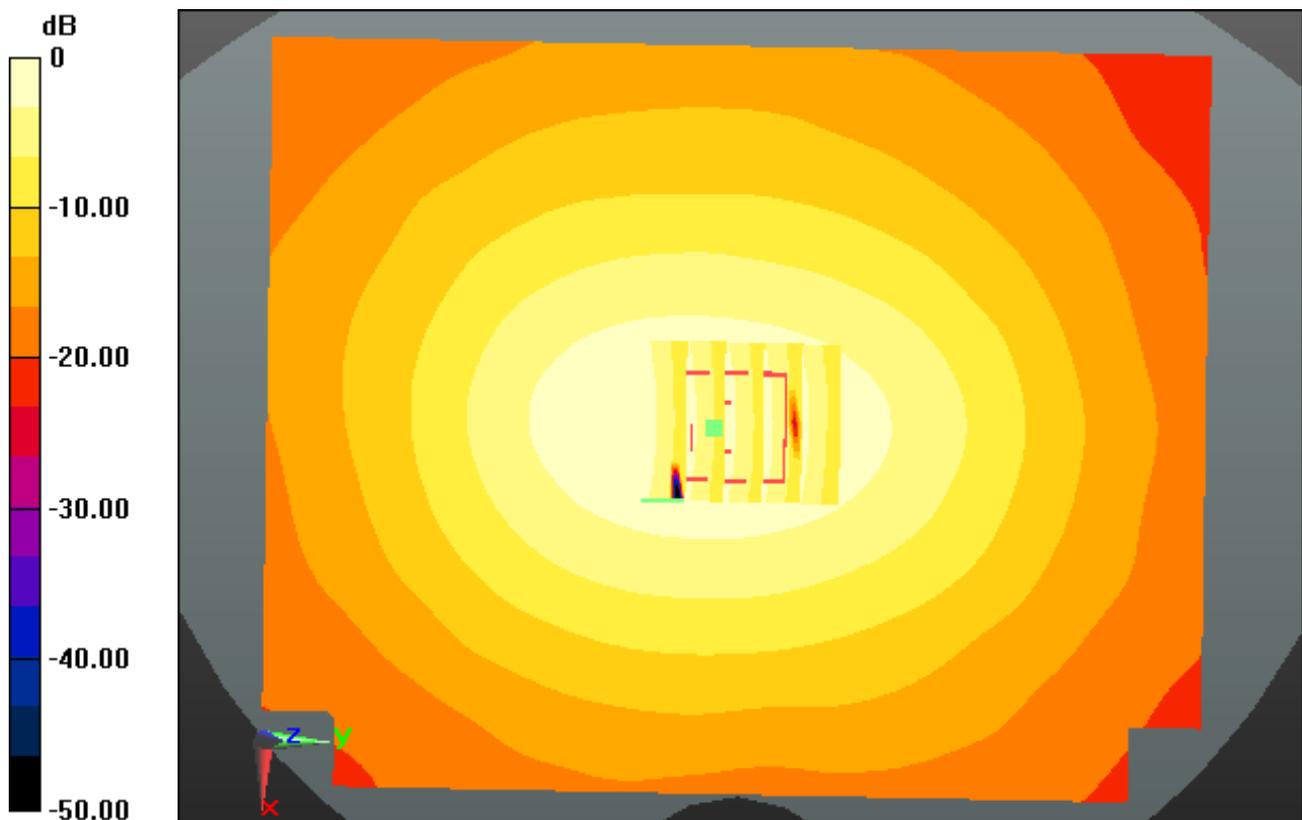
**Area Scan (101x131x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.700 mW/g

**SAR(1 g) = 0.493 W/kg; SAR(10 g) = 0.340 W/kg**



0 dB = 0.603 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Ear Phone**

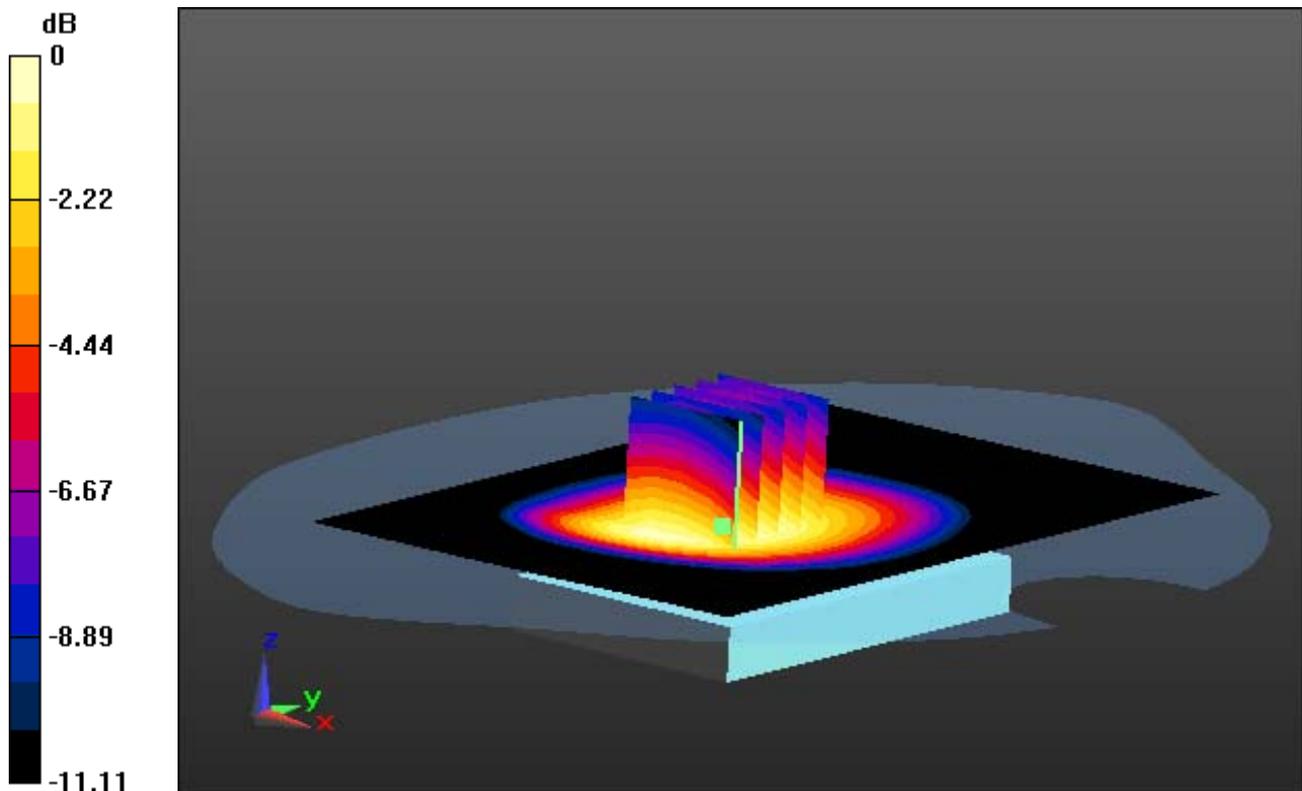
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.381 mW/g

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.739 W/kg**



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

**With Ear Phone, With Enlarge plot image**

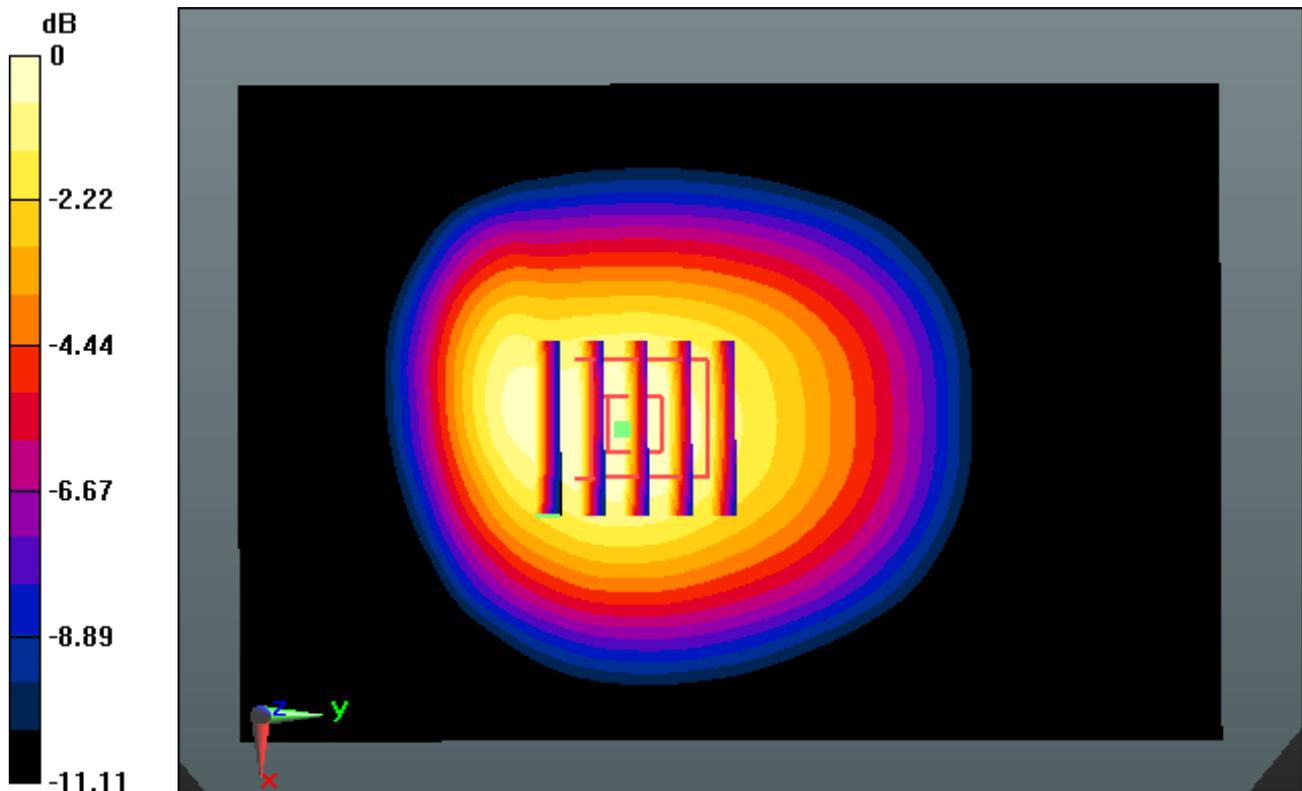
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.381 mW/g

**SAR(1 g) = 1.03 W/kg; SAR(10 g) = 0.739 W/kg**



0 dB = 1.23 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

## **SAR Variability Result**

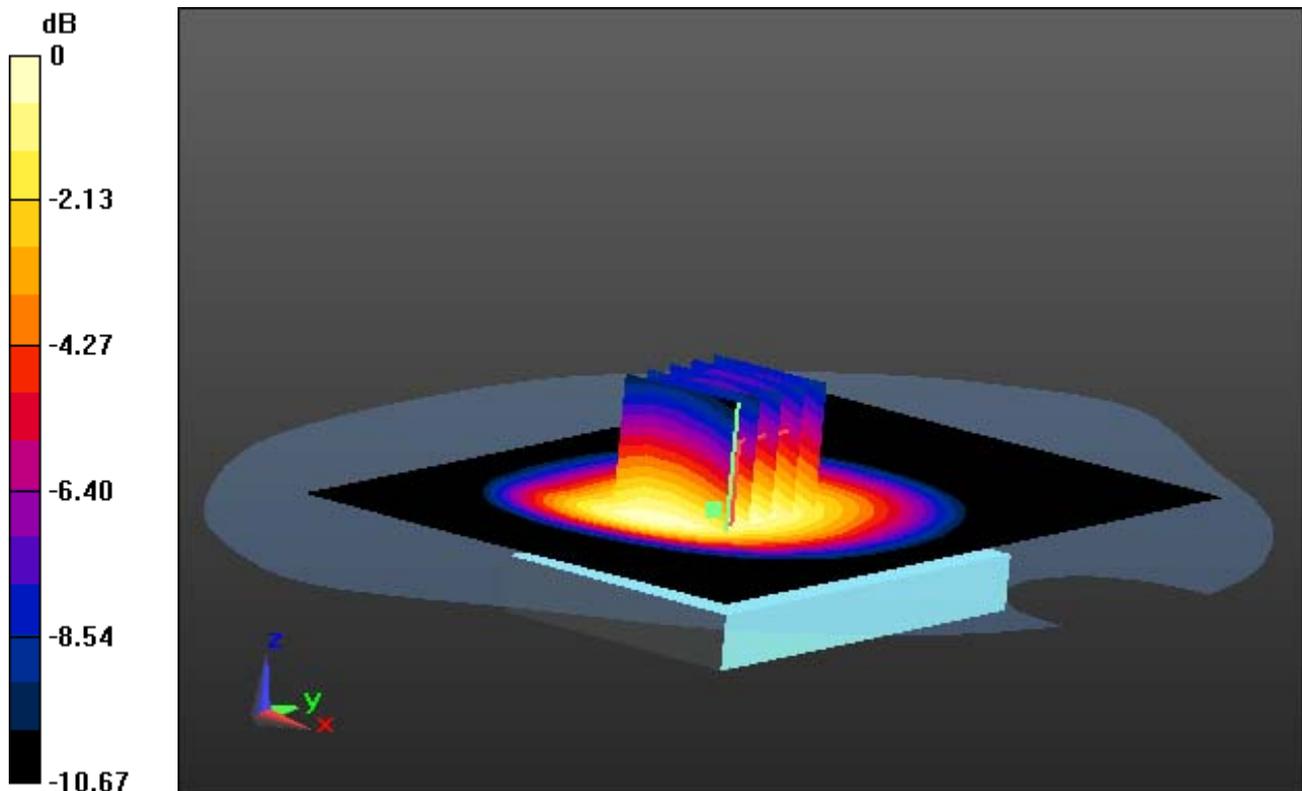
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.790 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.752 W/kg**



0 dB = 1.30 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

## **SAR Variability Result, With Enlarge plot image**

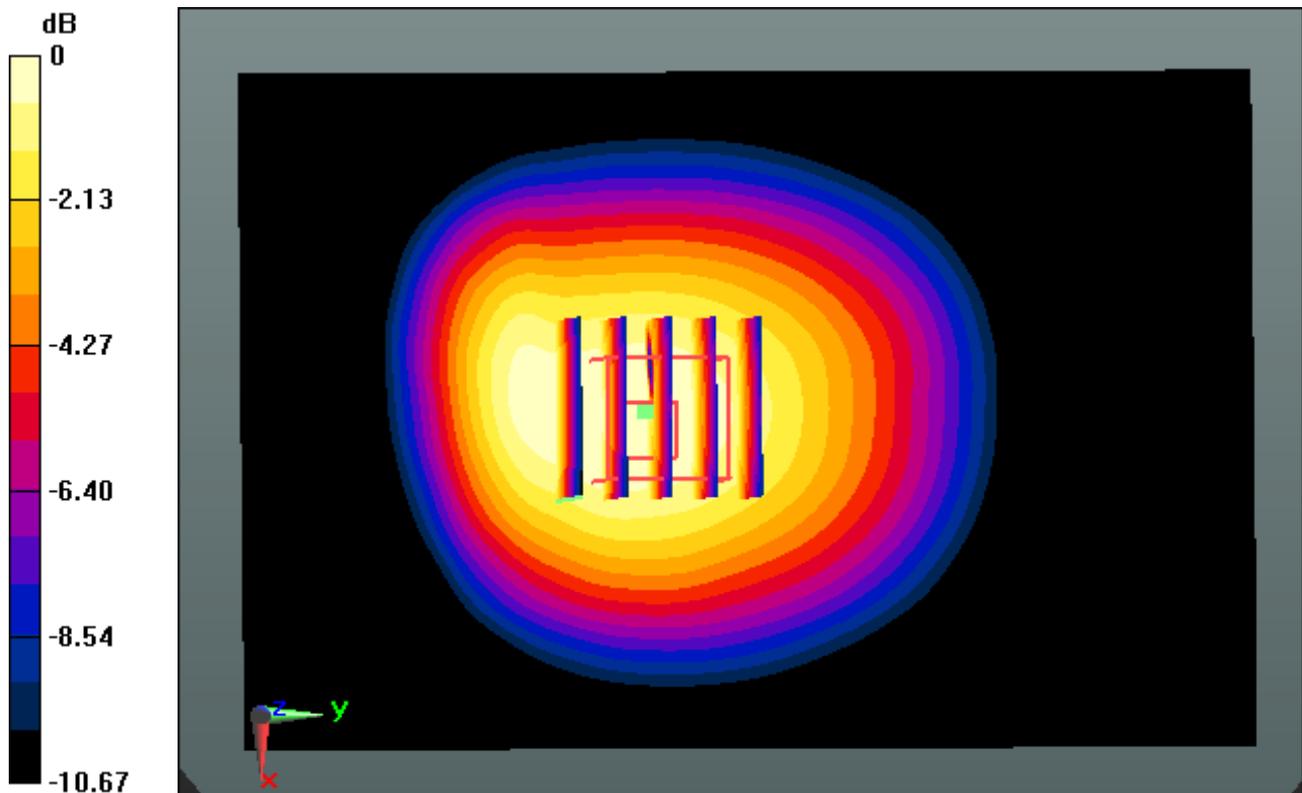
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.790 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.752 W/kg**



0 dB = 1.30 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: GSM 850\_12; Frequency: 836.6 MHz; Duty Cycle: 1:2.075  
Medium parameters used:  $f = 836.6$  MHz;  $\sigma = 0.951$  mho/m;  $\epsilon_r = 55.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-18; Ambient Temp: 20.2; Tissue Temp: 20.5

**1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal**

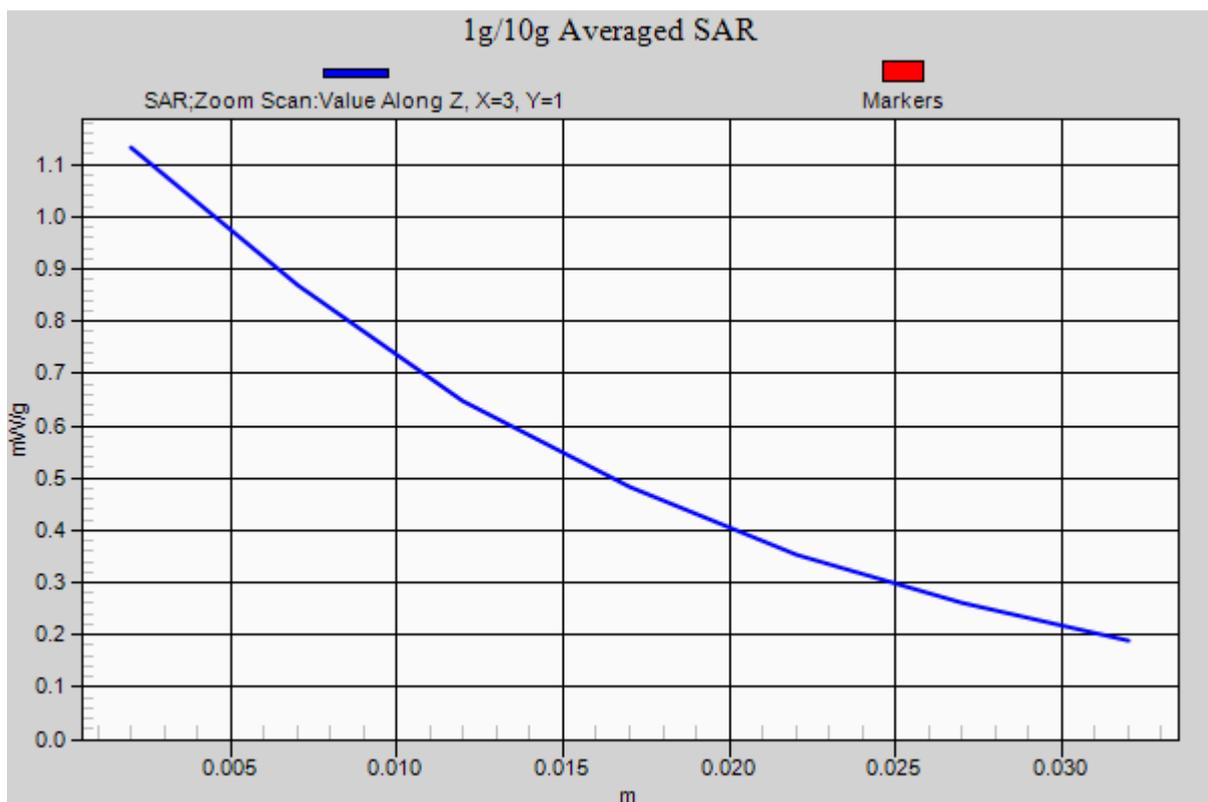
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.413 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.764 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Bottom, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

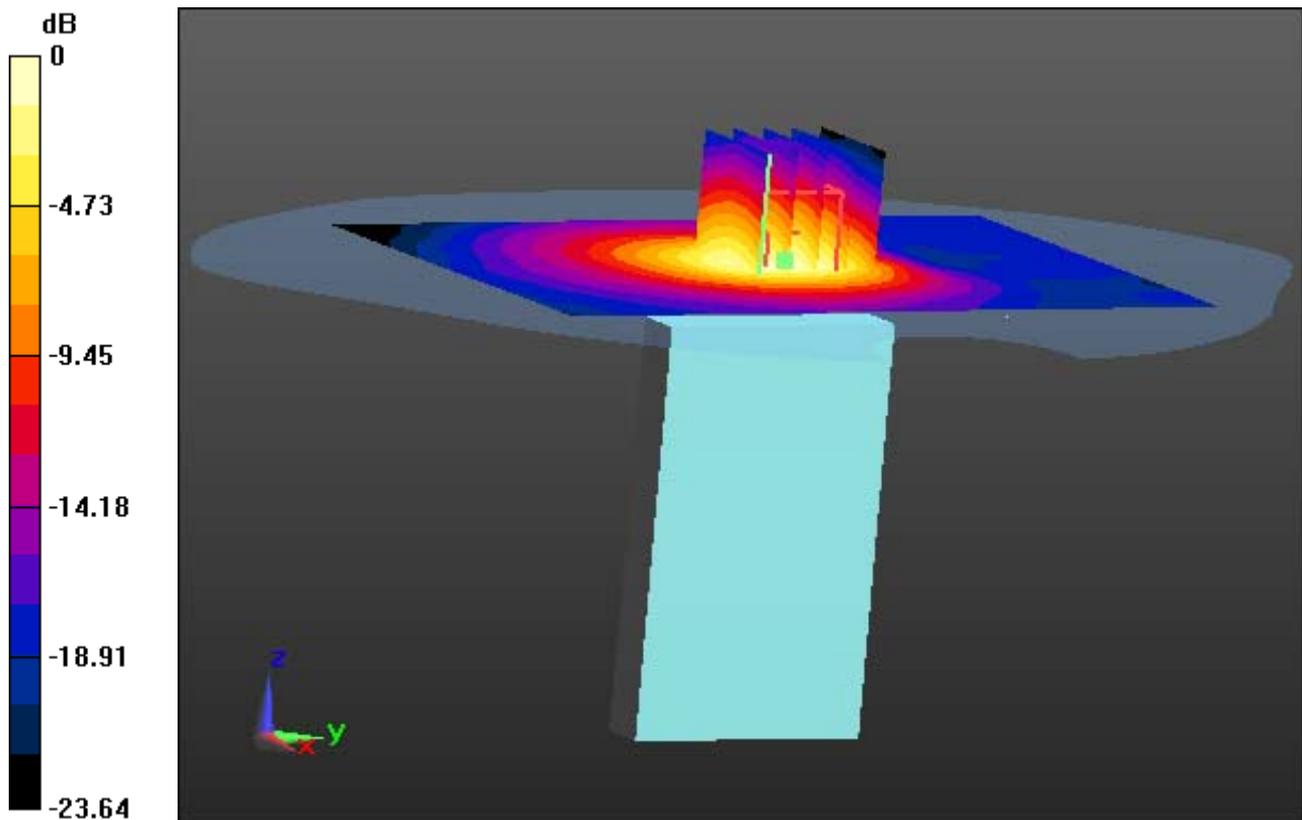
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 1.227 mW/g

**SAR(1 g) = 0.648 W/kg; SAR(10 g) = 0.333 W/kg**



0 dB = 0.918 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Bottom, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

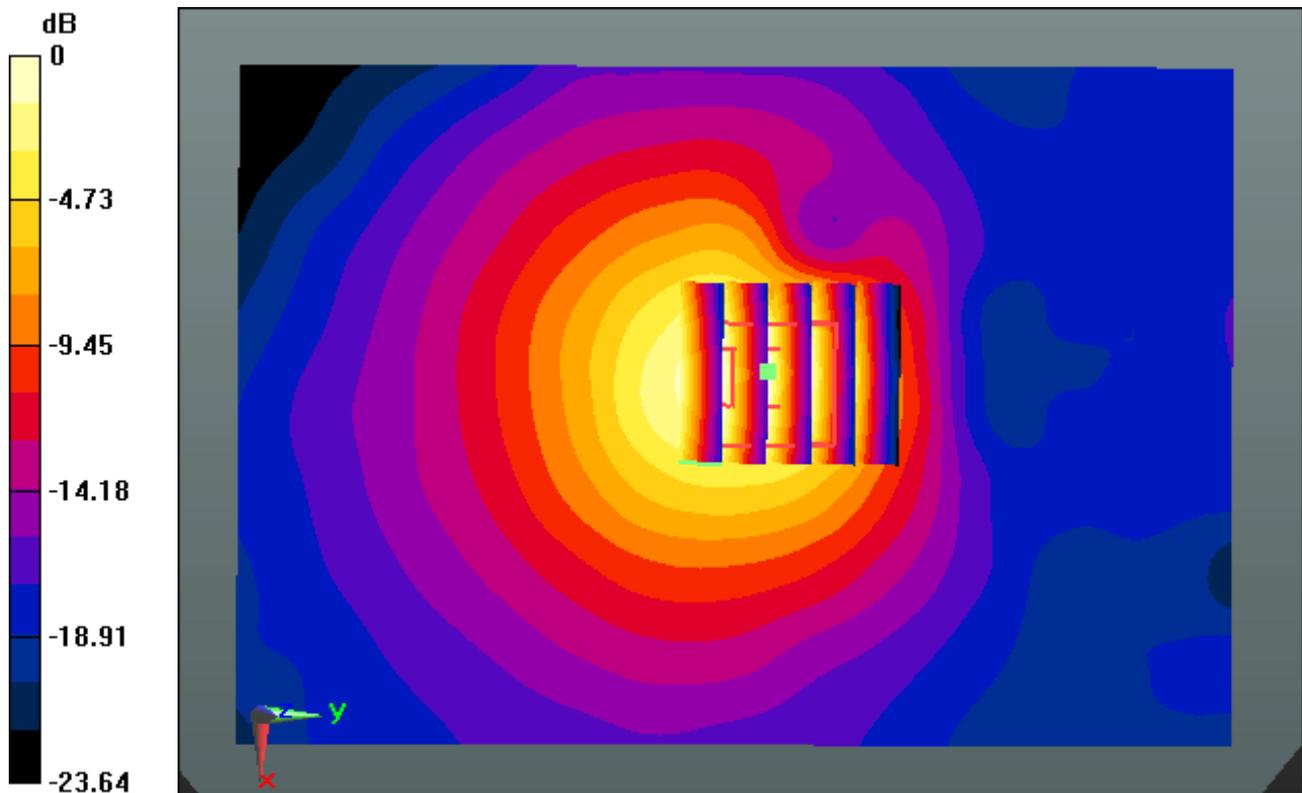
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

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Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

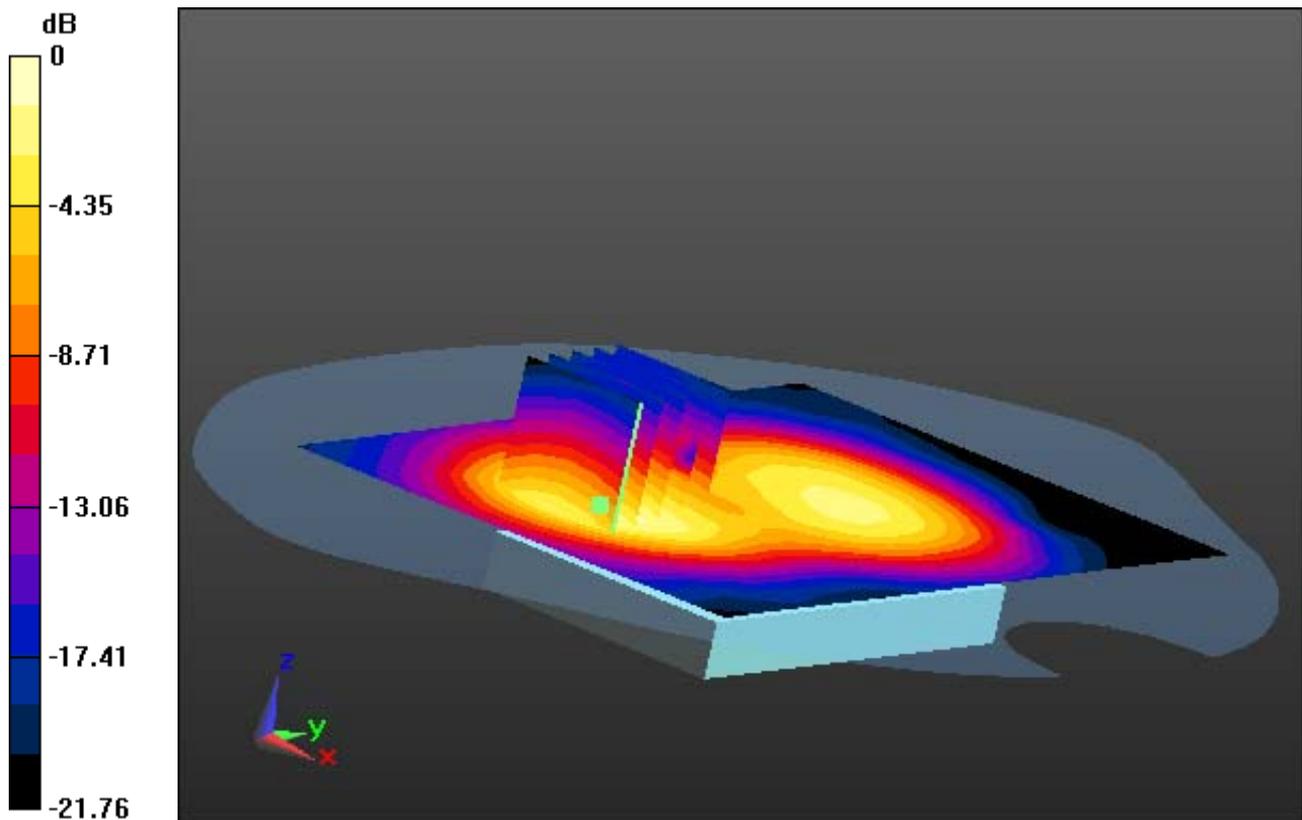
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.095 mW/g

**SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.306 W/kg**



0 dB = 0.834 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Front, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

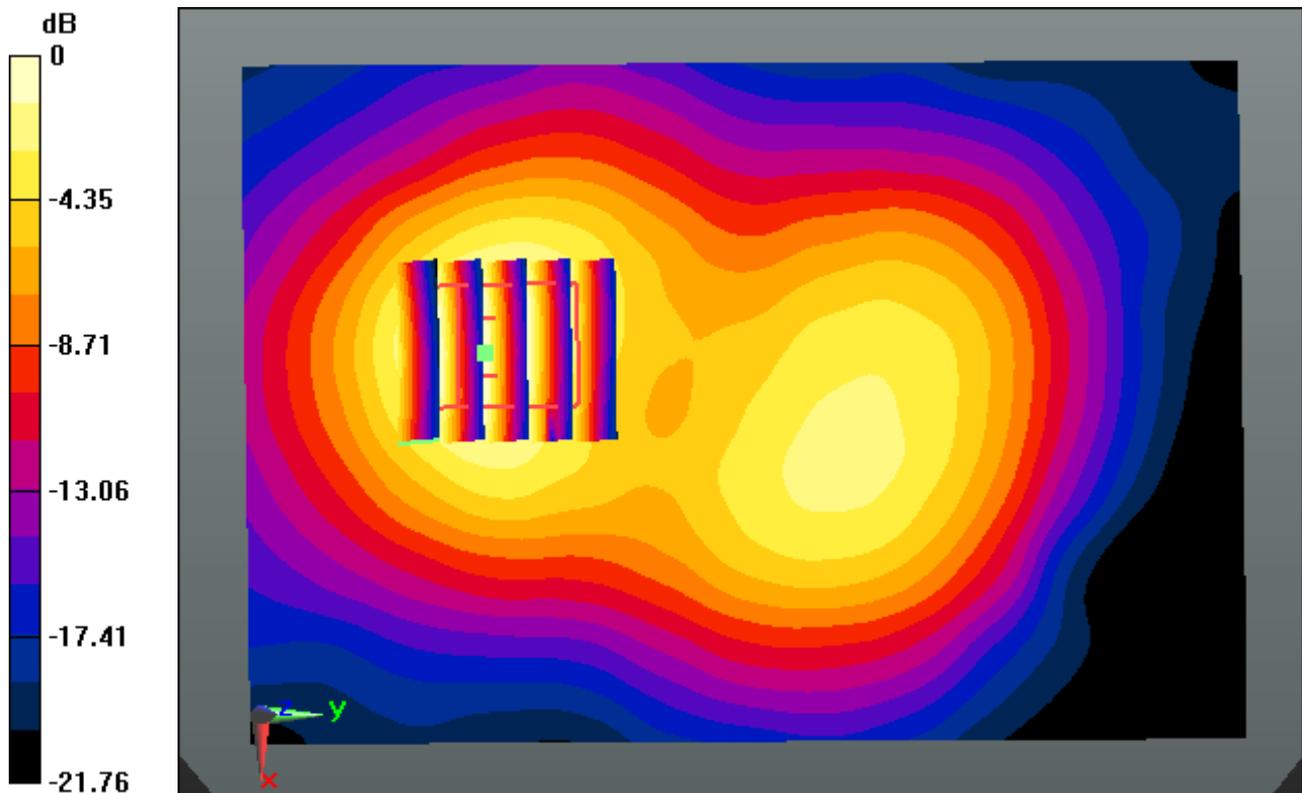
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.095 mW/g

**SAR(1 g) = 0.575 W/kg; SAR(10 g) = 0.306 W/kg**



0 dB = 0.834 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

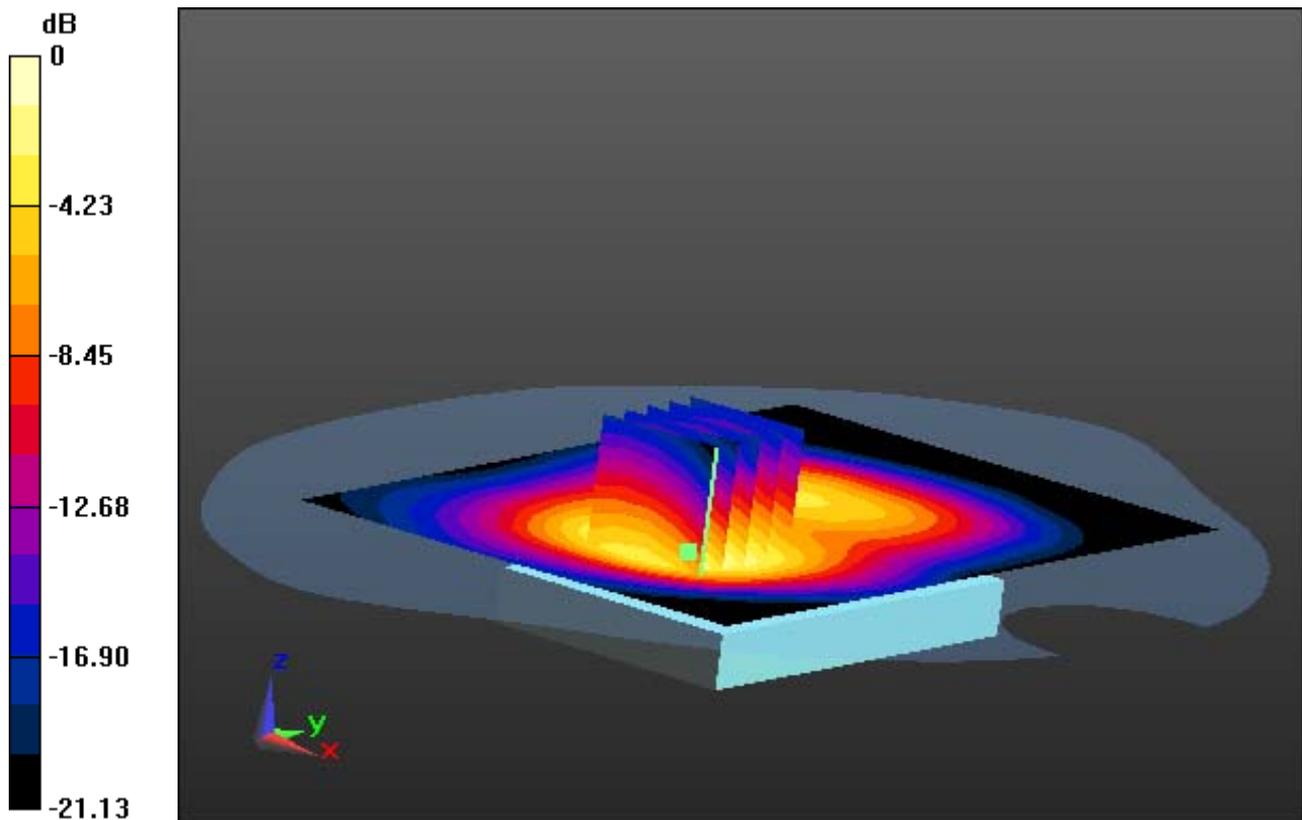
**1 cm space from Body, Rear, PCS1900 Ch. 512, Ant Internal**

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

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.314 mW/g

**SAR(1 g) = 0.701 W/kg; SAR(10 g) = 0.378 W/kg**



0 dB = 0.987 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

**With Enlarge plot image**

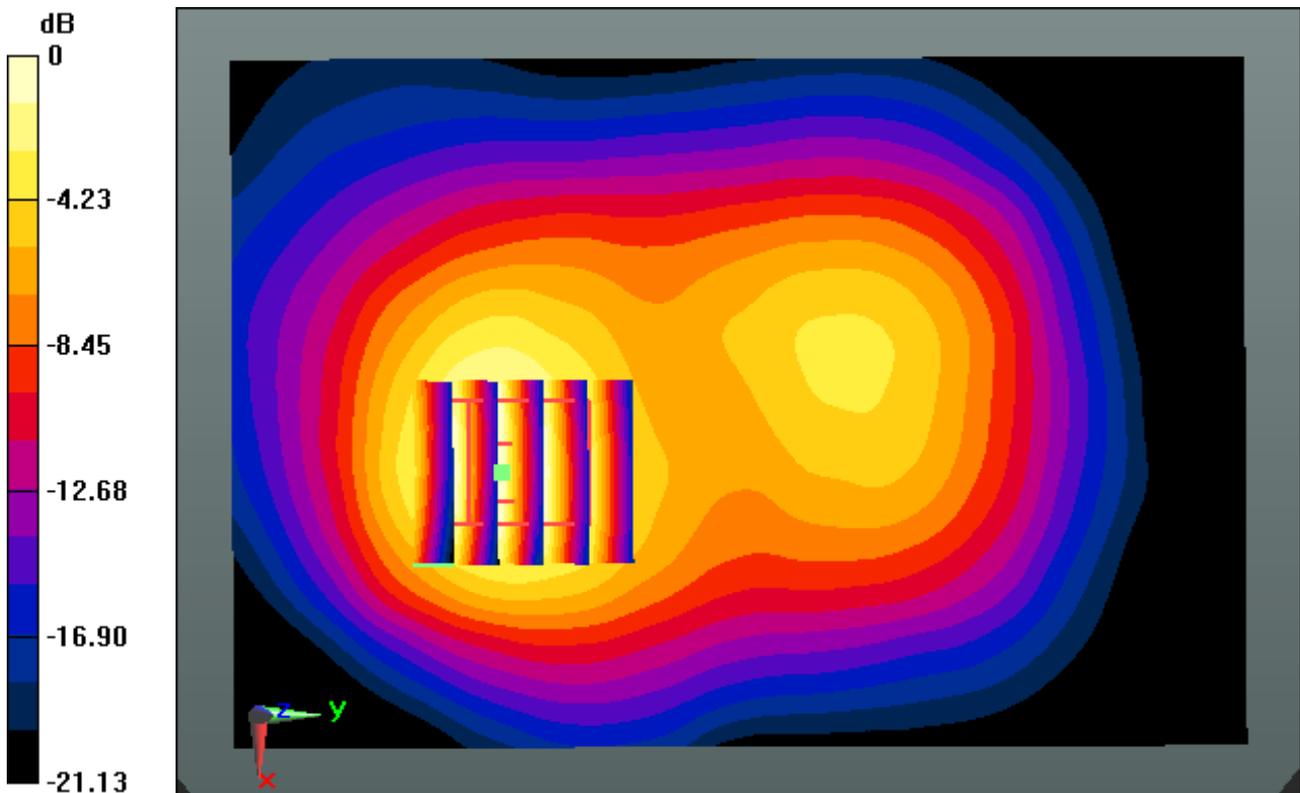
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

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# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

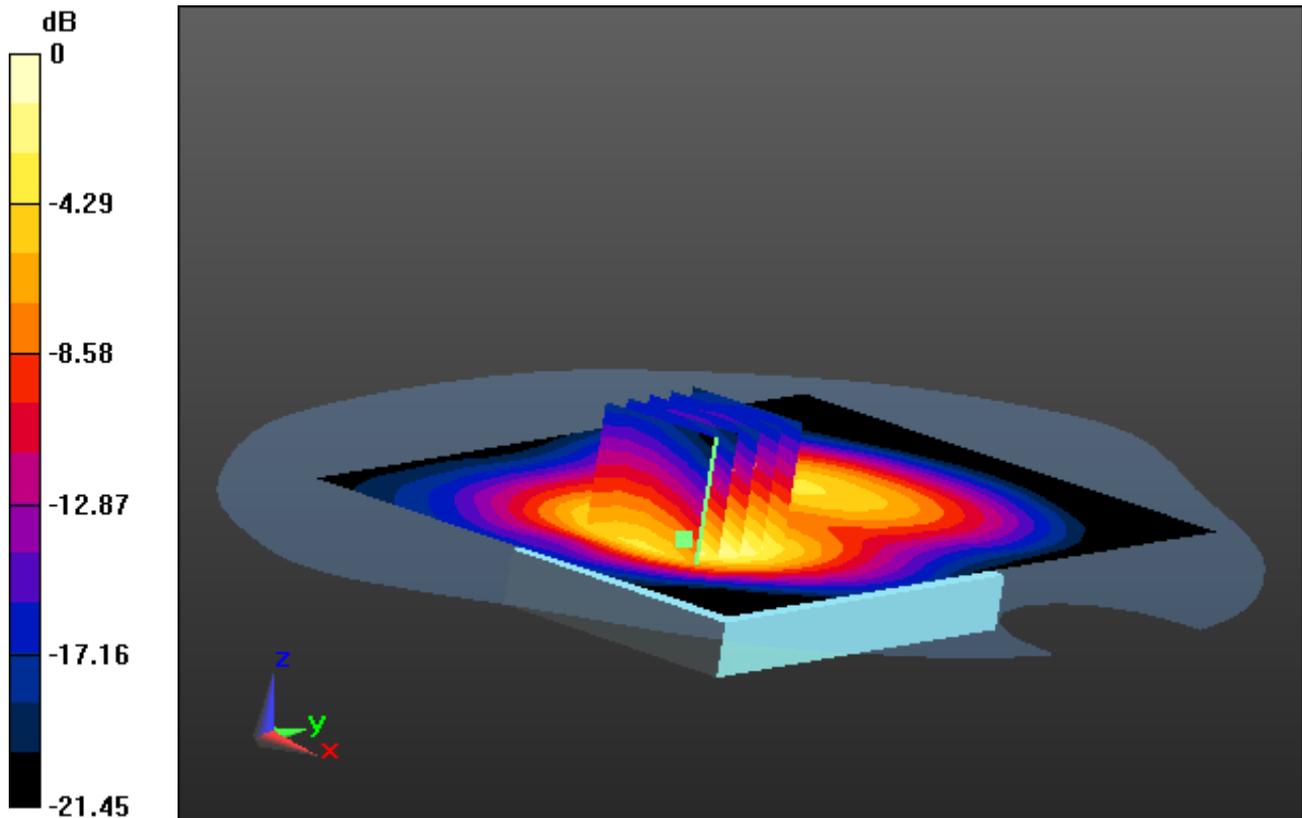
**1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal**

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

**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.575 mW/g

**SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.438 W/kg**



0 dB = 1.20 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

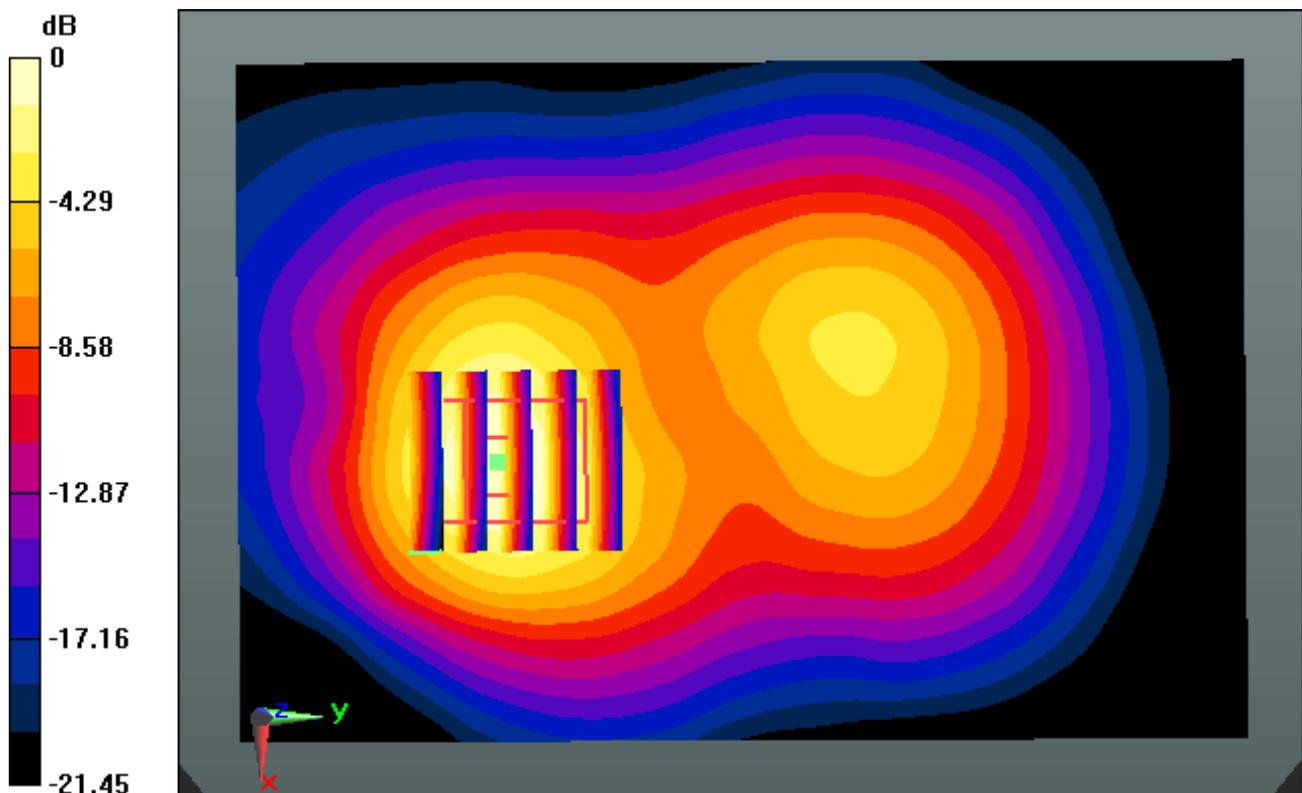
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

**With Enlarge plot image**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 1.575 mW/g  
**SAR(1 g) = 0.830 W/kg; SAR(10 g) = 0.438 W/kg**



0 dB = 1.20 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

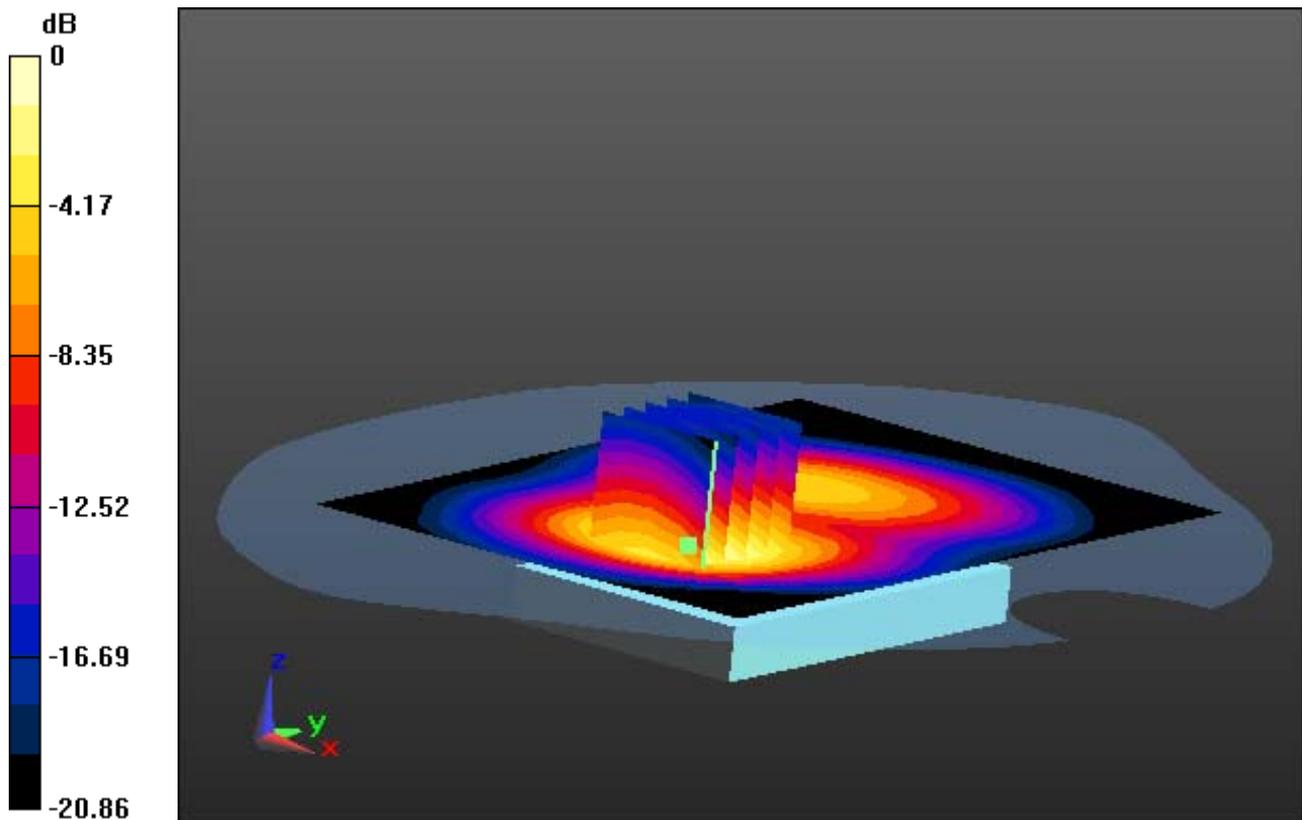
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.010 dB

Peak SAR (extrapolated) = 1.842 mW/g

**SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.514 W/kg**



0 dB = 1.40 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

**With Enlarge plot image**

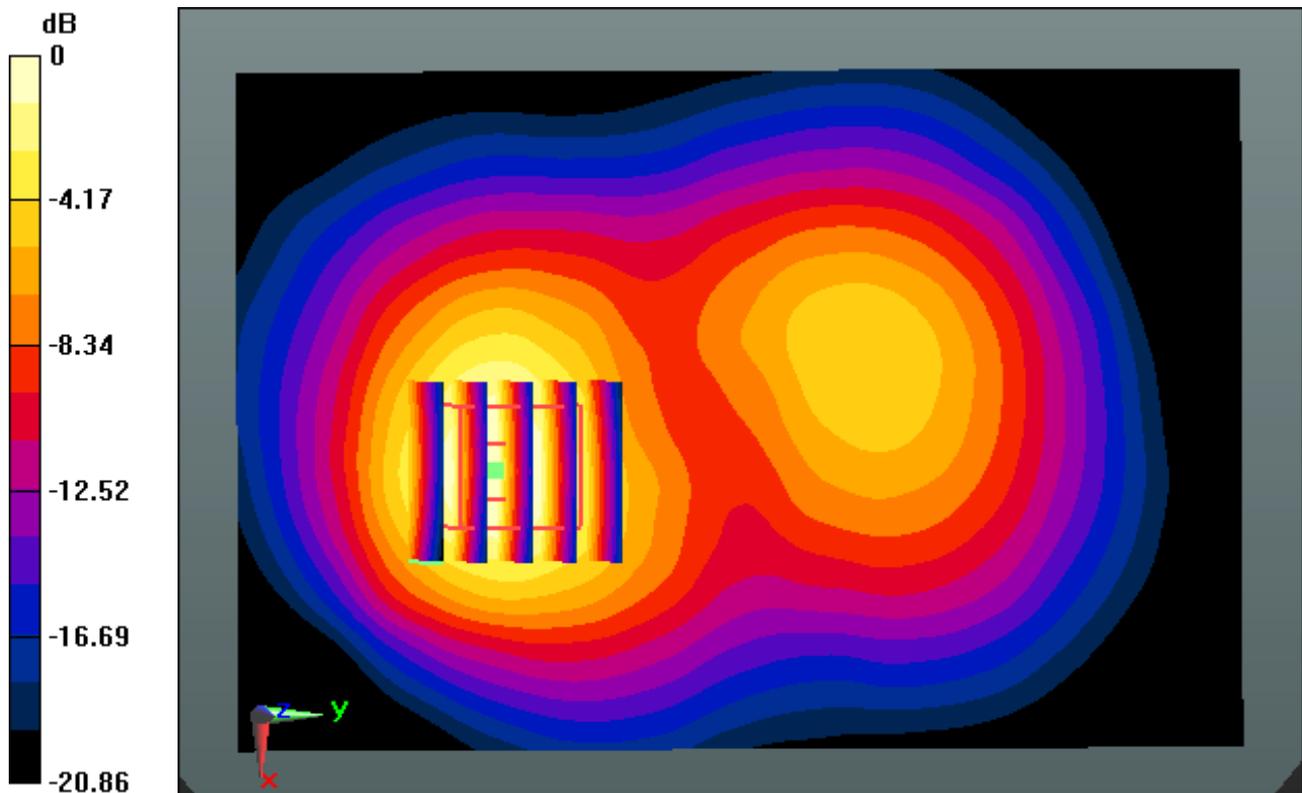
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

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**SAR(1 g) = 0.975 W/kg; SAR(10 g) = 0.514 W/kg**



0 dB = 1.40 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

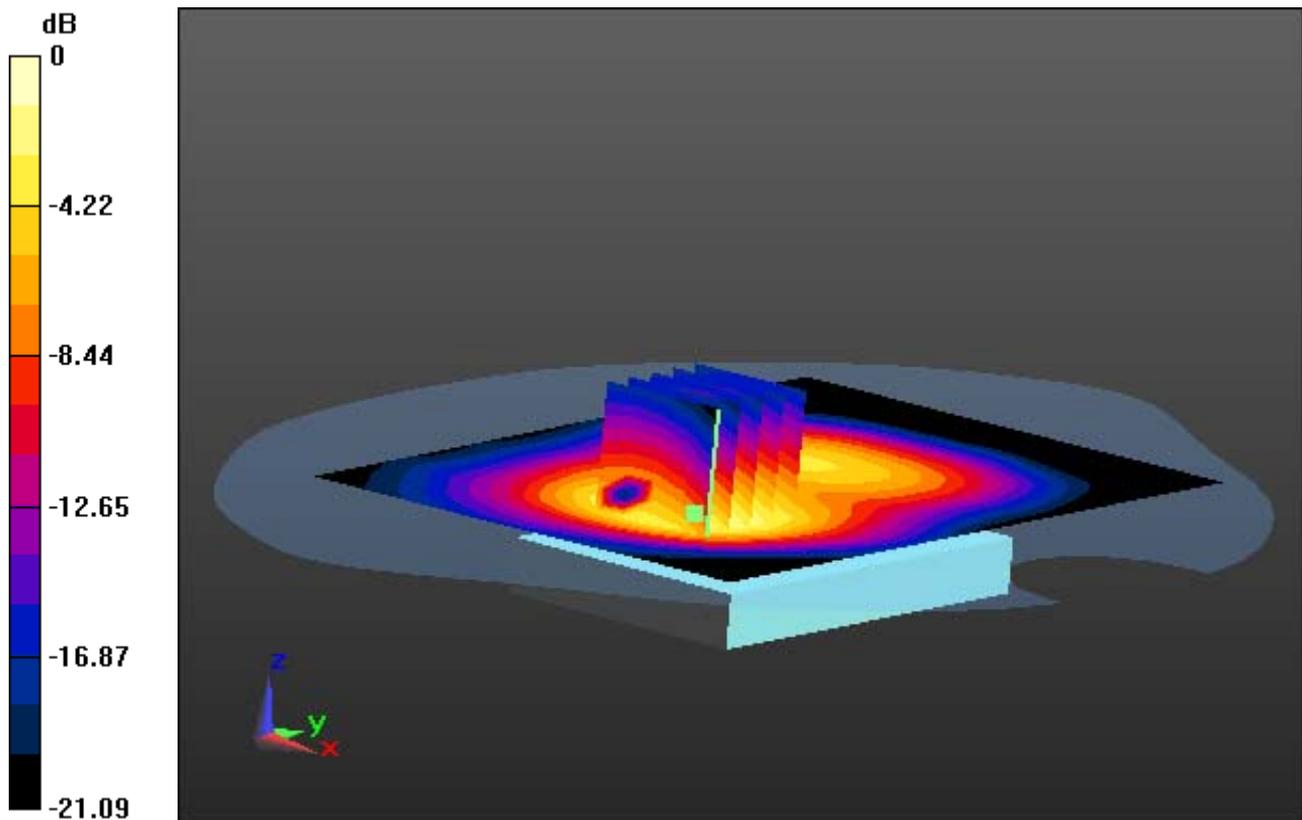
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 2.570 mW/g

**SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.388 W/kg**



0 dB = 1.02 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

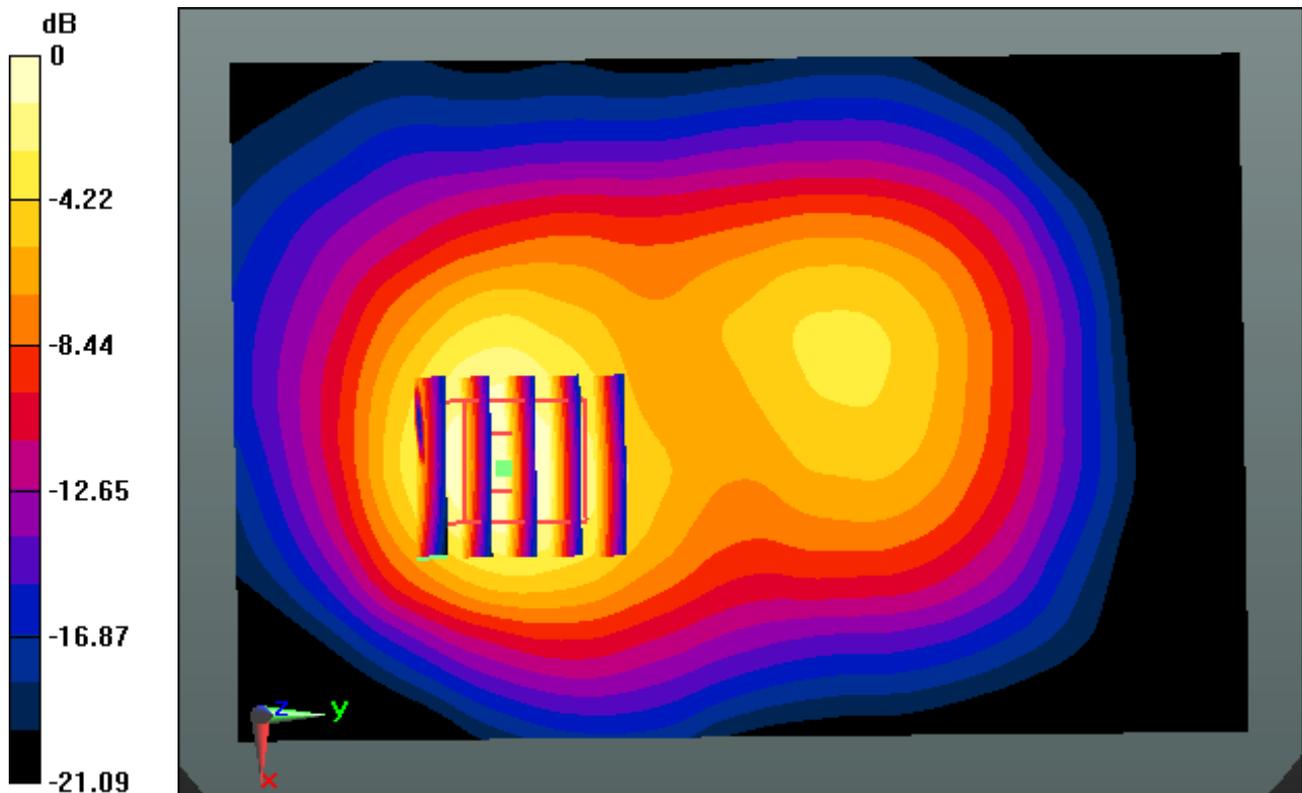
Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

**With Enlarge plot image**

**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Power Drift = -0.16 dB  
Peak SAR (extrapolated) = 2.570 mW/g  
SAR(1 g) = 0.737 W/kg; SAR(10 g) = 0.388 W/kg



0 dB = 1.02 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

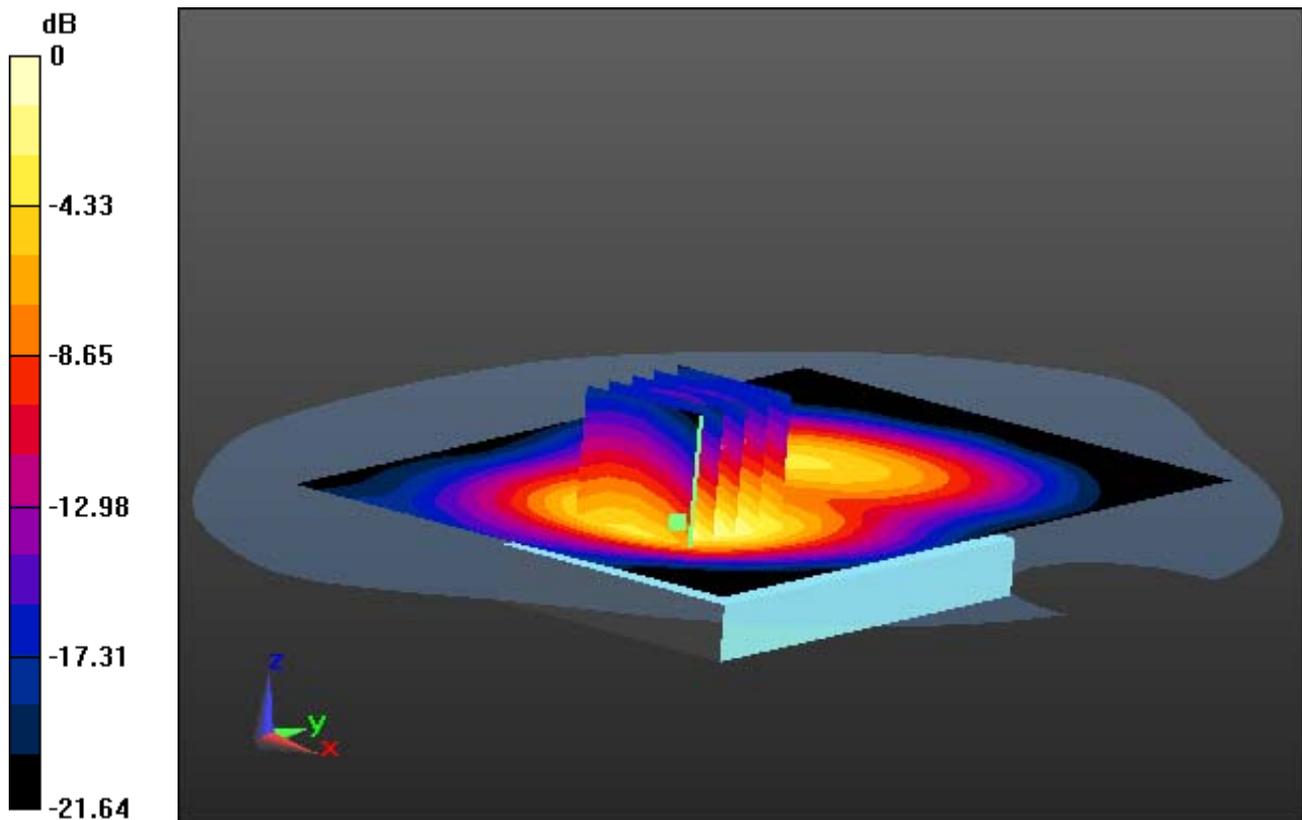
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.643 mW/g

**SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.453 W/kg**



0 dB = 1.25 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

**With Enlarge plot image**

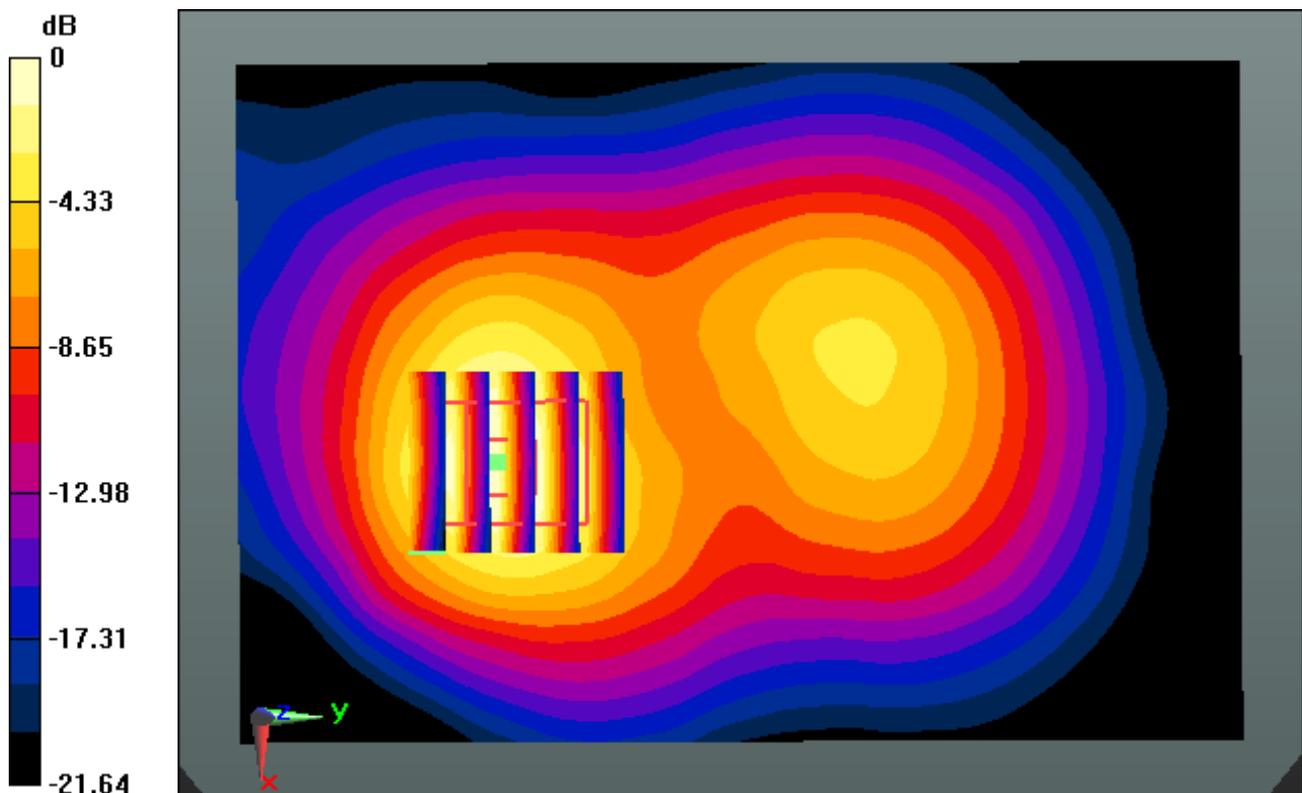
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.643 mW/g

**SAR(1 g) = 0.860 W/kg; SAR(10 g) = 0.453 W/kg**



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# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

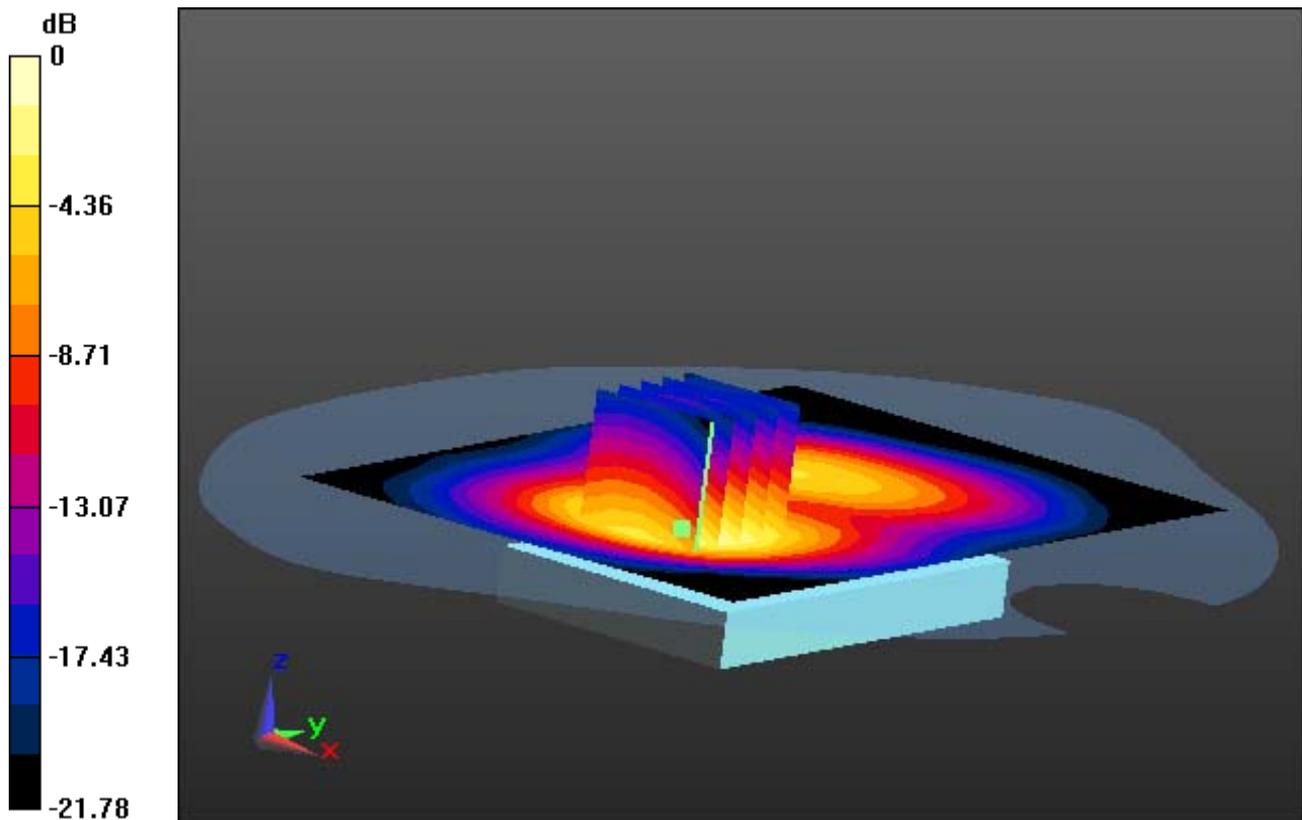
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.855 mW/g

**SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.506 W/kg**



0 dB = 1.40 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

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

**With Enlarge plot image**

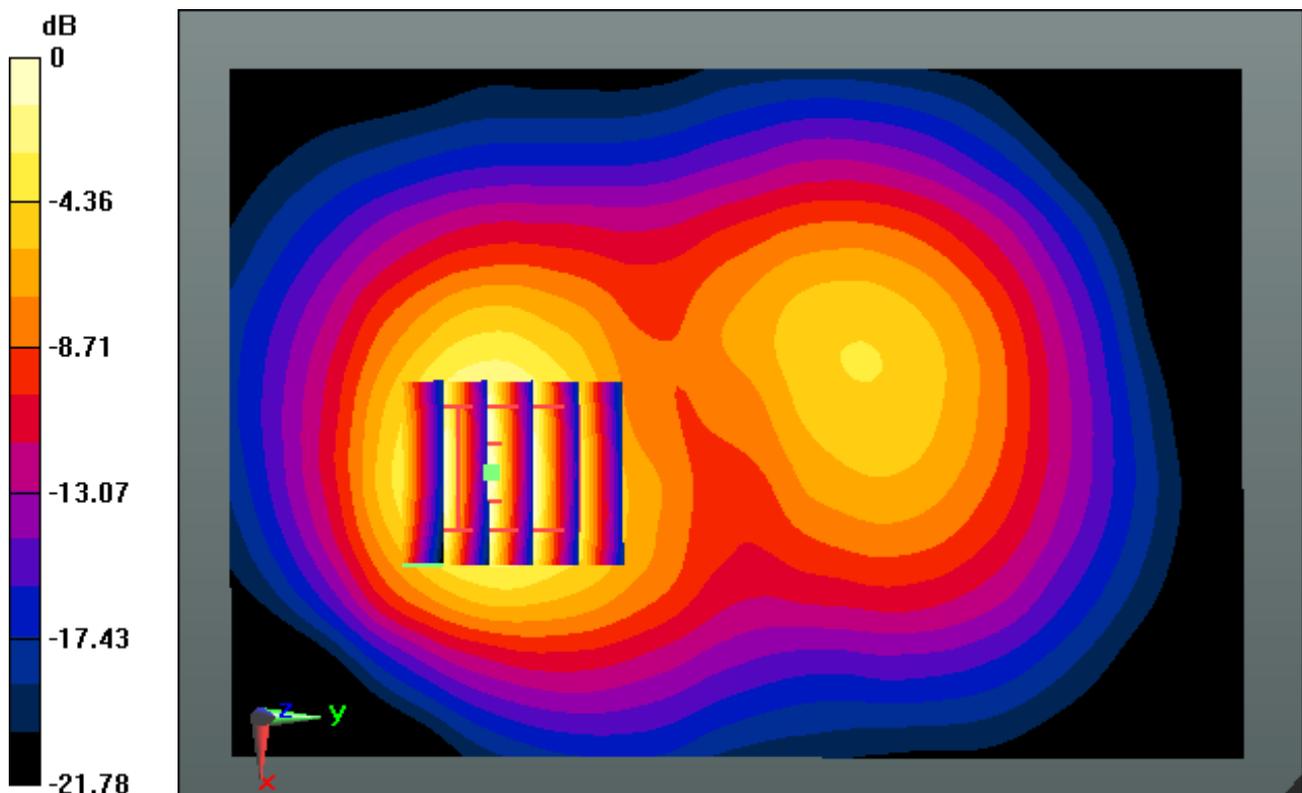
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.855 mW/g

**SAR(1 g) = 0.968 W/kg; SAR(10 g) = 0.506 W/kg**



0 dB = 1.40 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal**

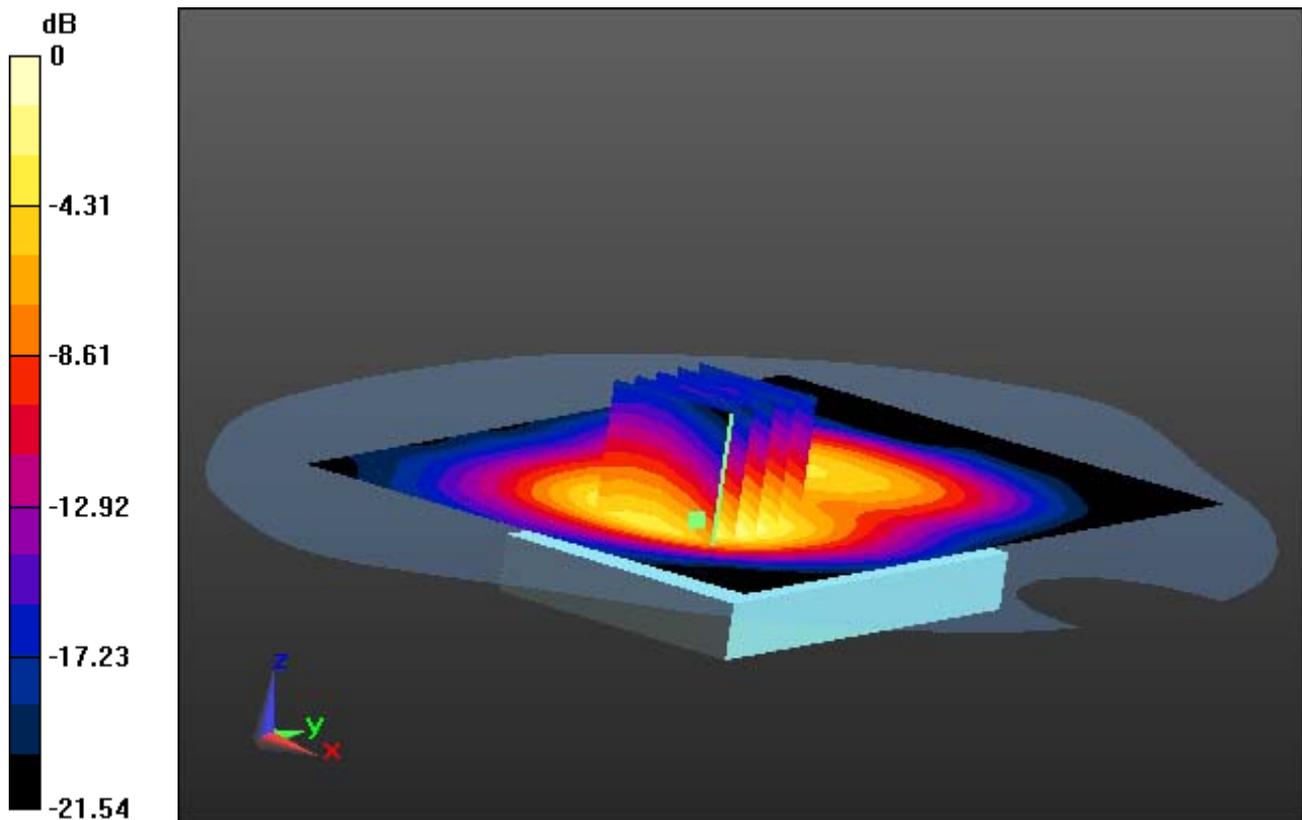
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.309 mW/g

**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.363 W/kg**



0 dB = 0.985 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1850.2 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 512, Ant Internal**

**With Enlarge plot image**

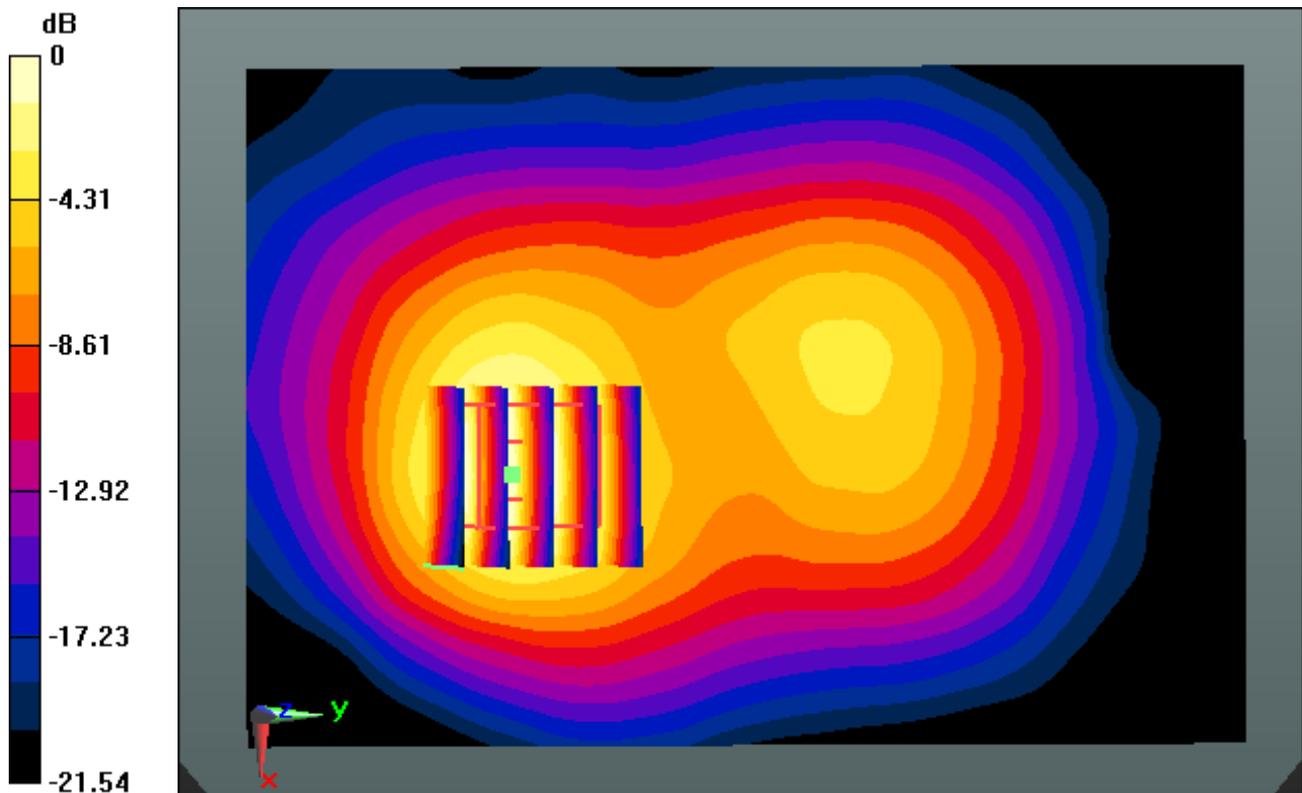
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 1.309 mW/g

**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.363 W/kg**



0 dB = 0.985 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal**

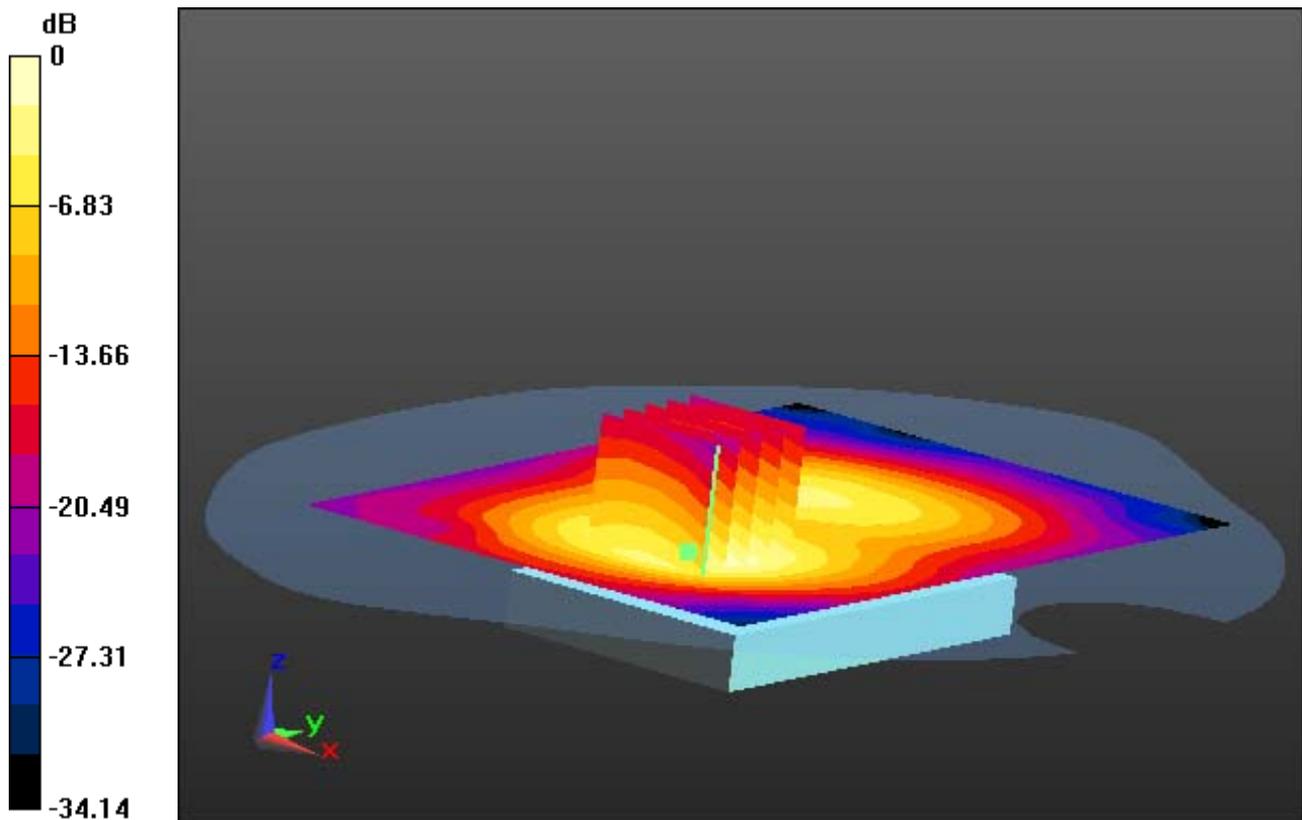
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.575 mW/g

**SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.423 W/kg**



0 dB = 1.18 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1880 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

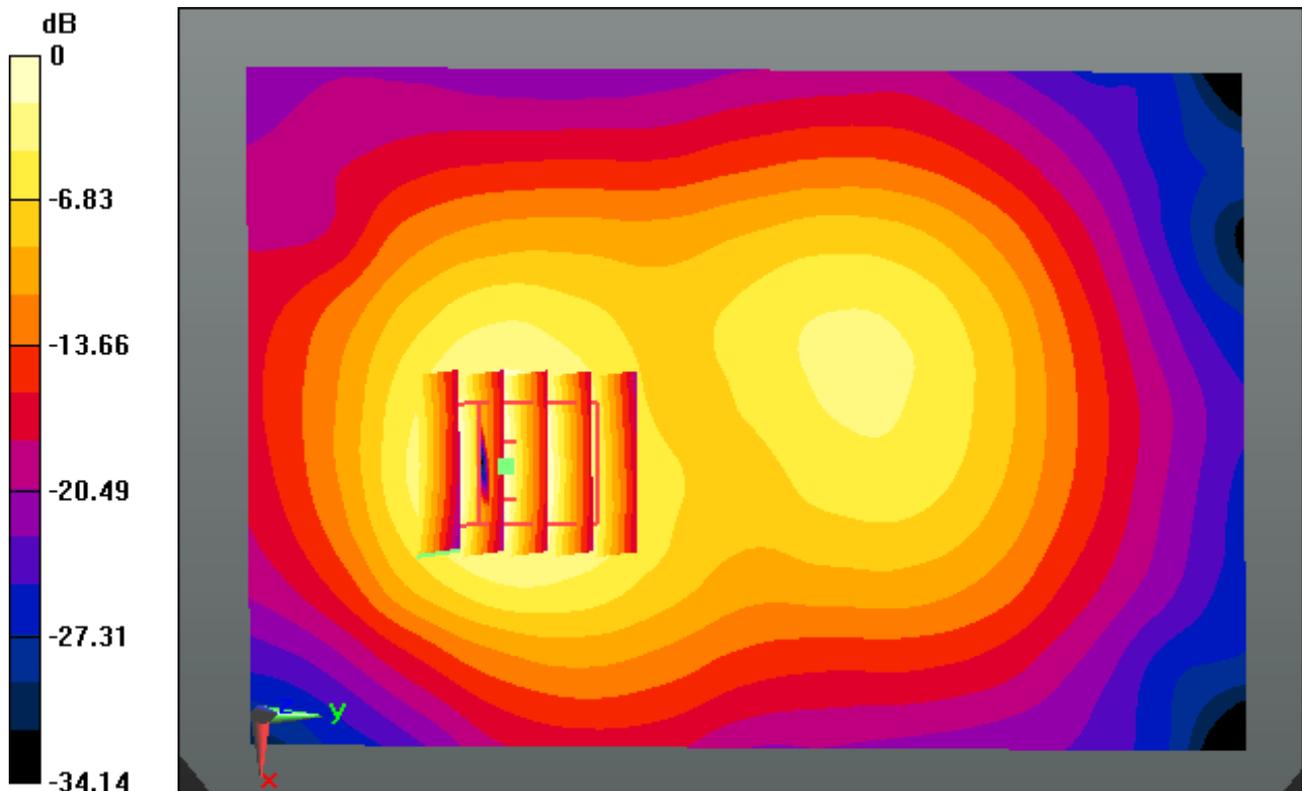
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.575 mW/g

**SAR(1 g) = 0.824 W/kg; SAR(10 g) = 0.423 W/kg**



0 dB = 1.18 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal**

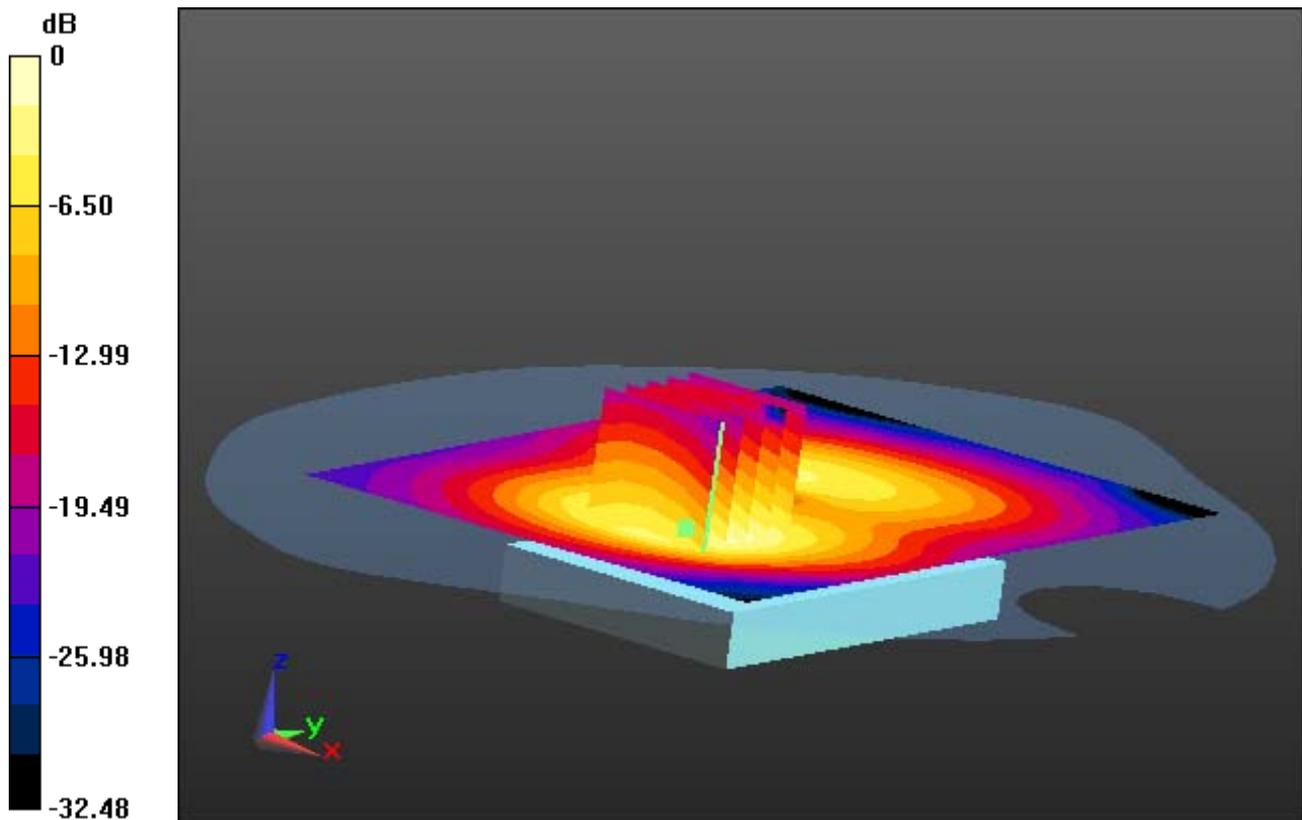
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.931 mW/g

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.521 W/kg**



0 dB = 1.45 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 10; Frequency: 1909.8 MHz; Duty Cycle: 1:4.15  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 2 Tx Ch. 810, Ant Internal**

**With Enlarge plot image**

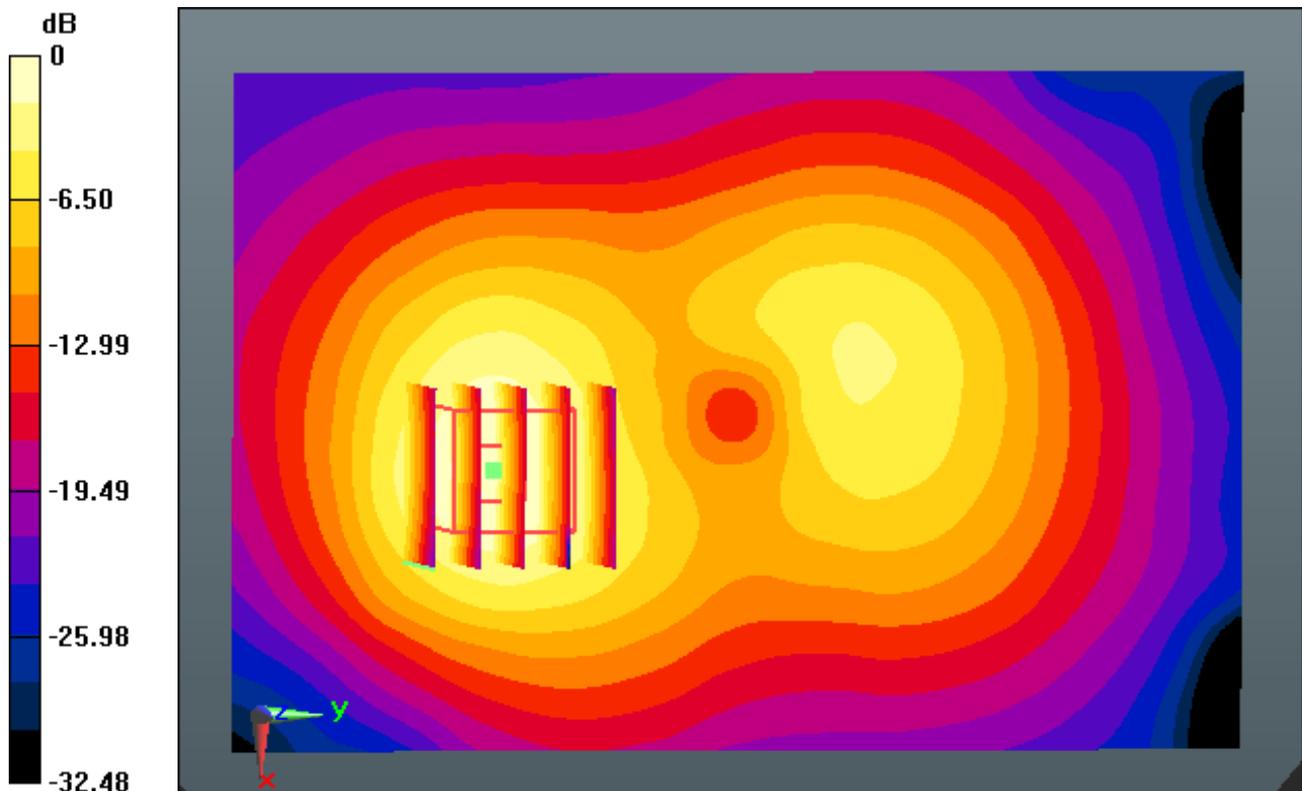
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.931 mW/g

**SAR(1 g) = 1 W/kg; SAR(10 g) = 0.521 W/kg**



0 dB = 1.45 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal**

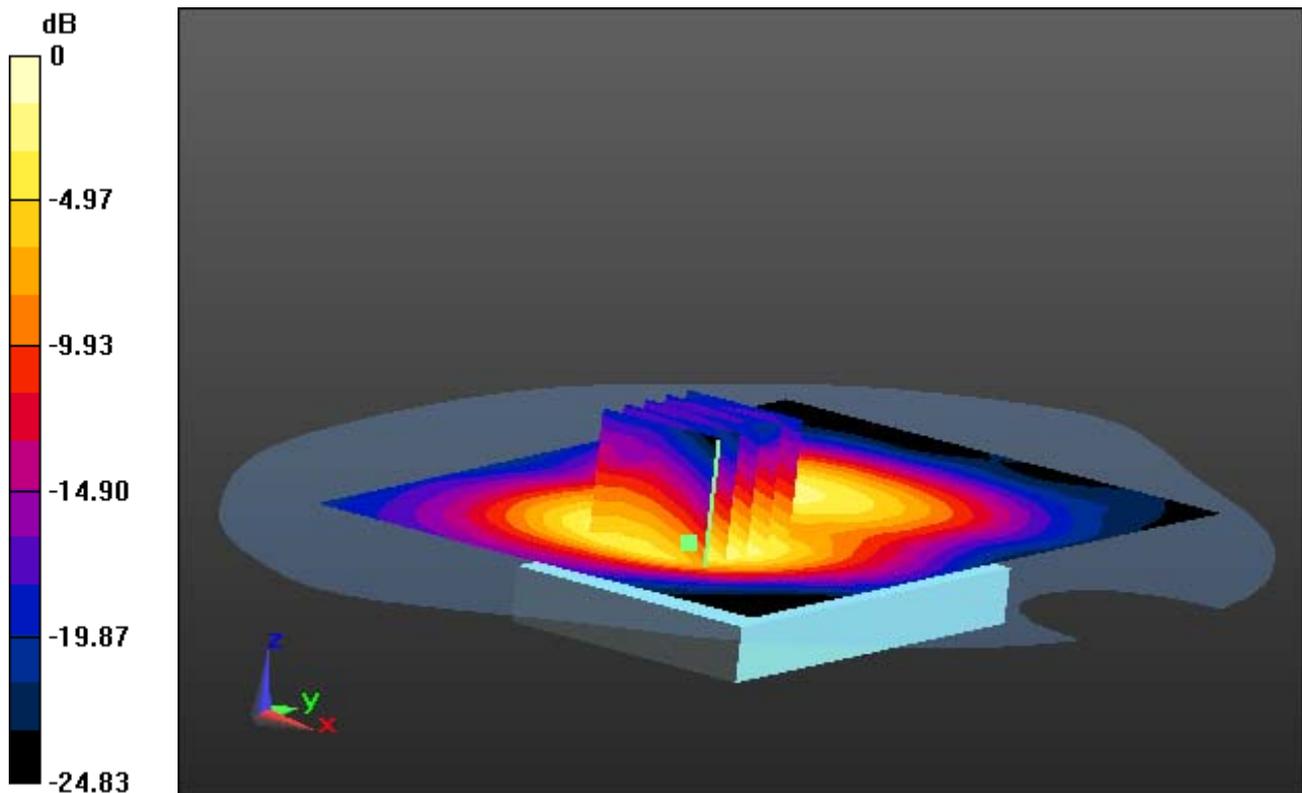
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.429 mW/g

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.354 W/kg**



0 dB = 1.03 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1850.2 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 512, Ant Internal**

**With Enlarge plot image**

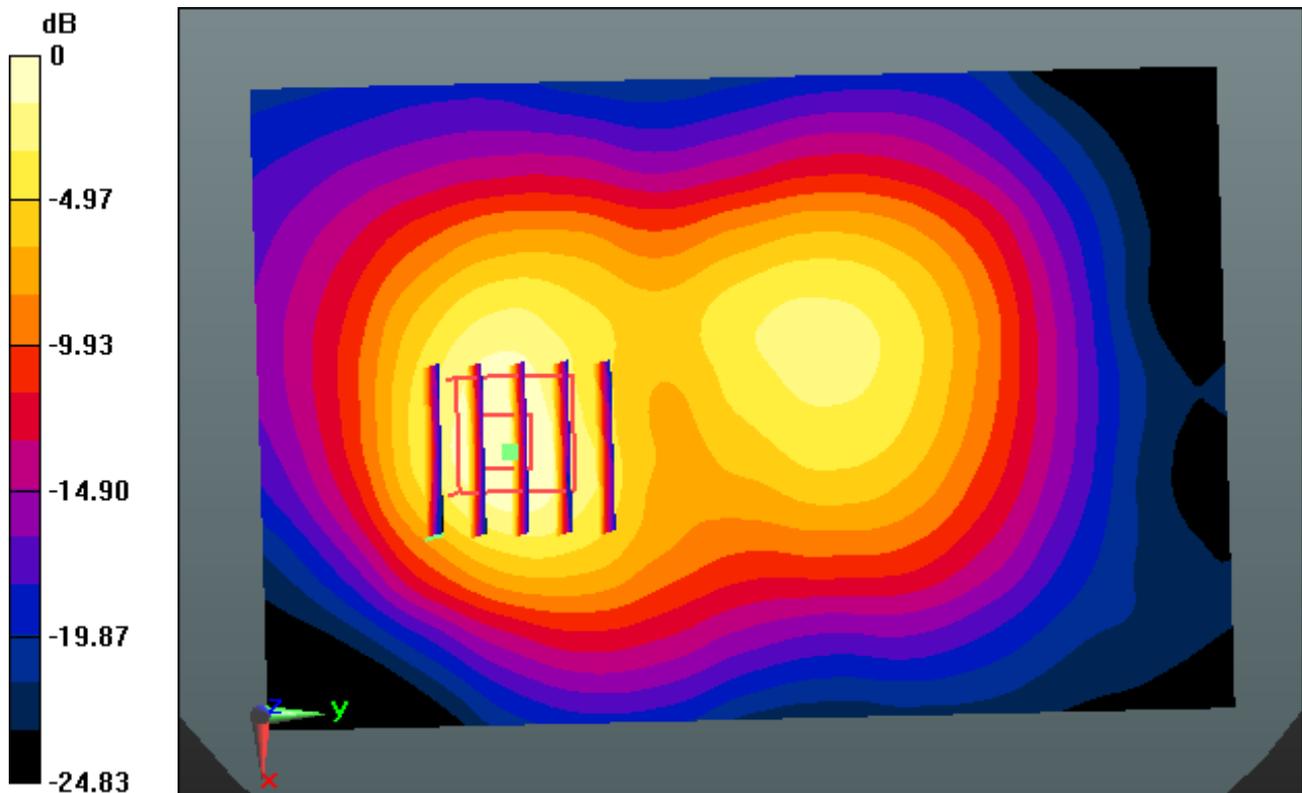
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.429 mW/g

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.354 W/kg**



0 dB = 1.03 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

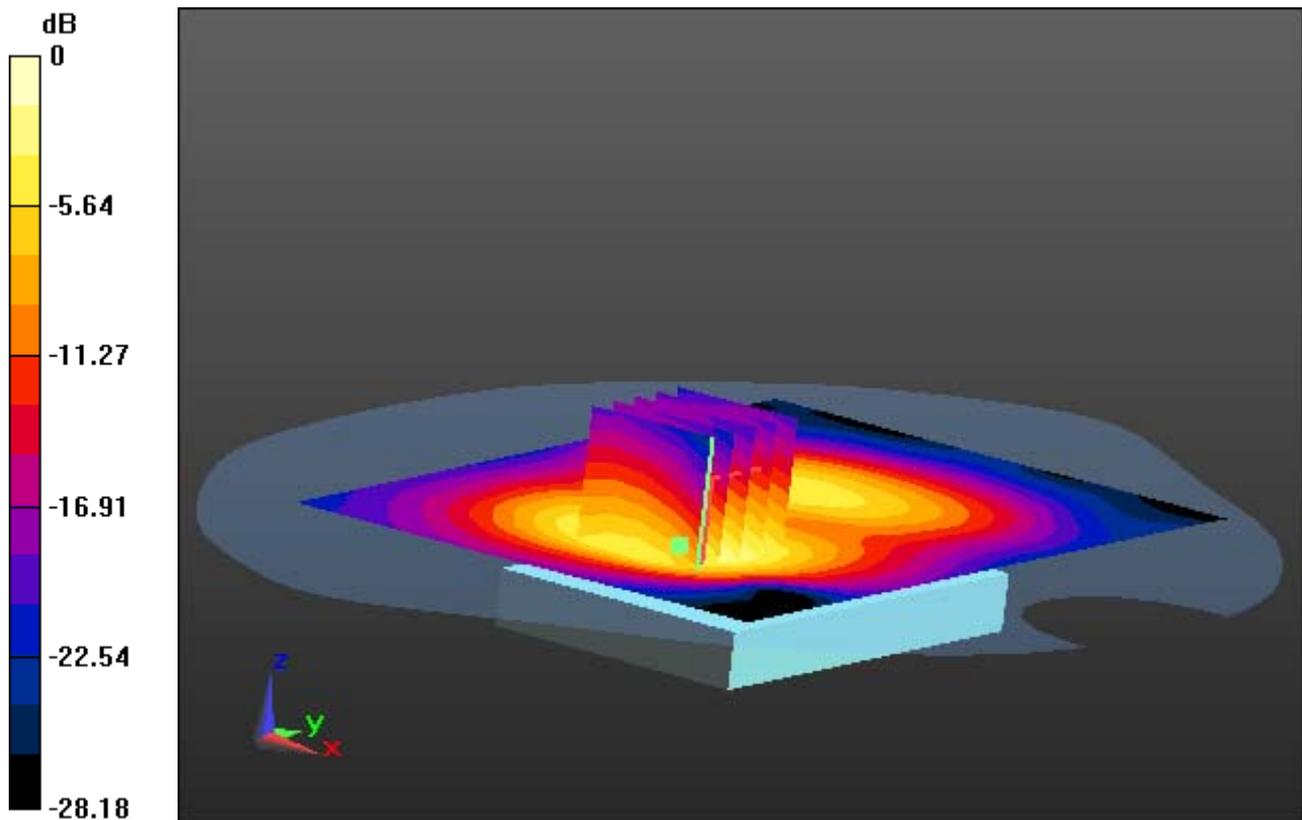
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.791 mW/g

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.402 W/kg**



0 dB = 1.38 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

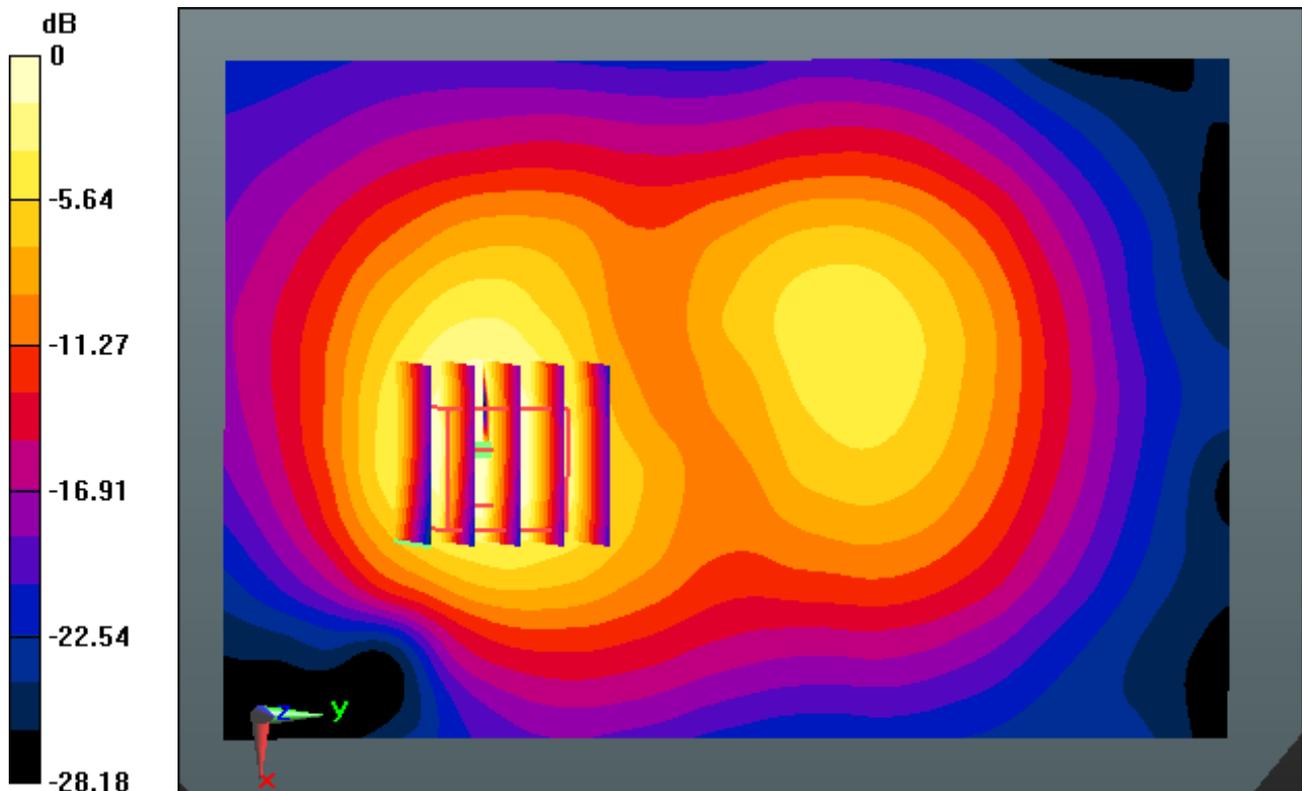
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.791 mW/g

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.402 W/kg**



0 dB = 1.38 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

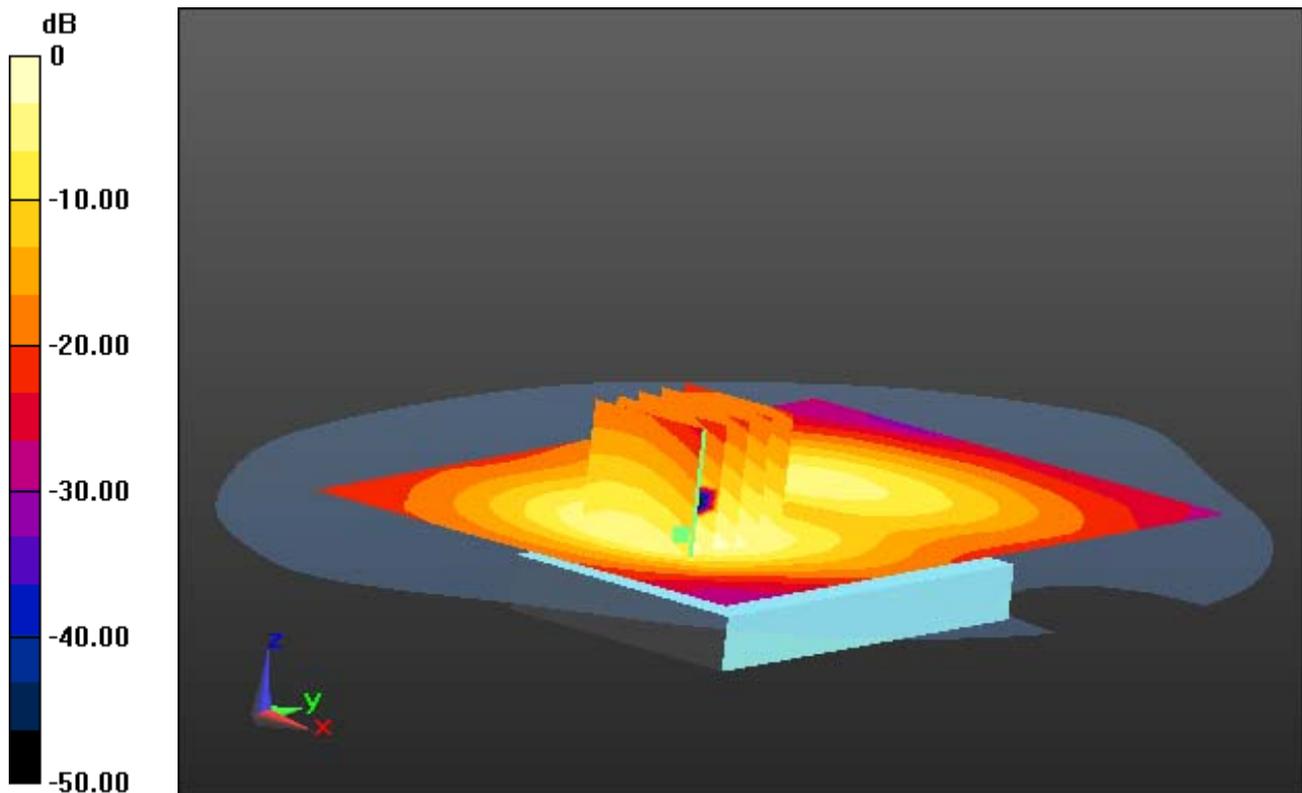
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.311 mW/g

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.569 W/kg**



0 dB = 1.70 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

**With Enlarge plot image**

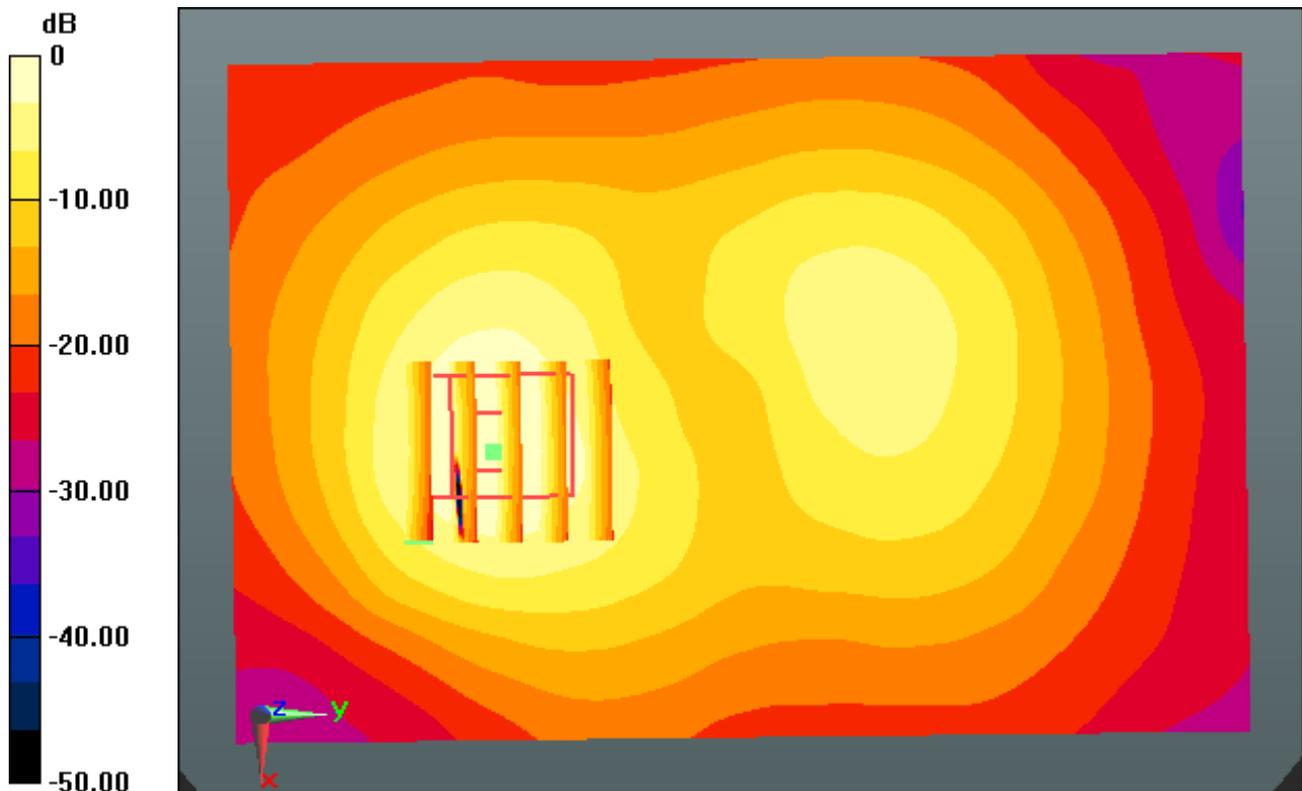
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.311 mW/g

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.569 W/kg**



0 dB = 1.70 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal**

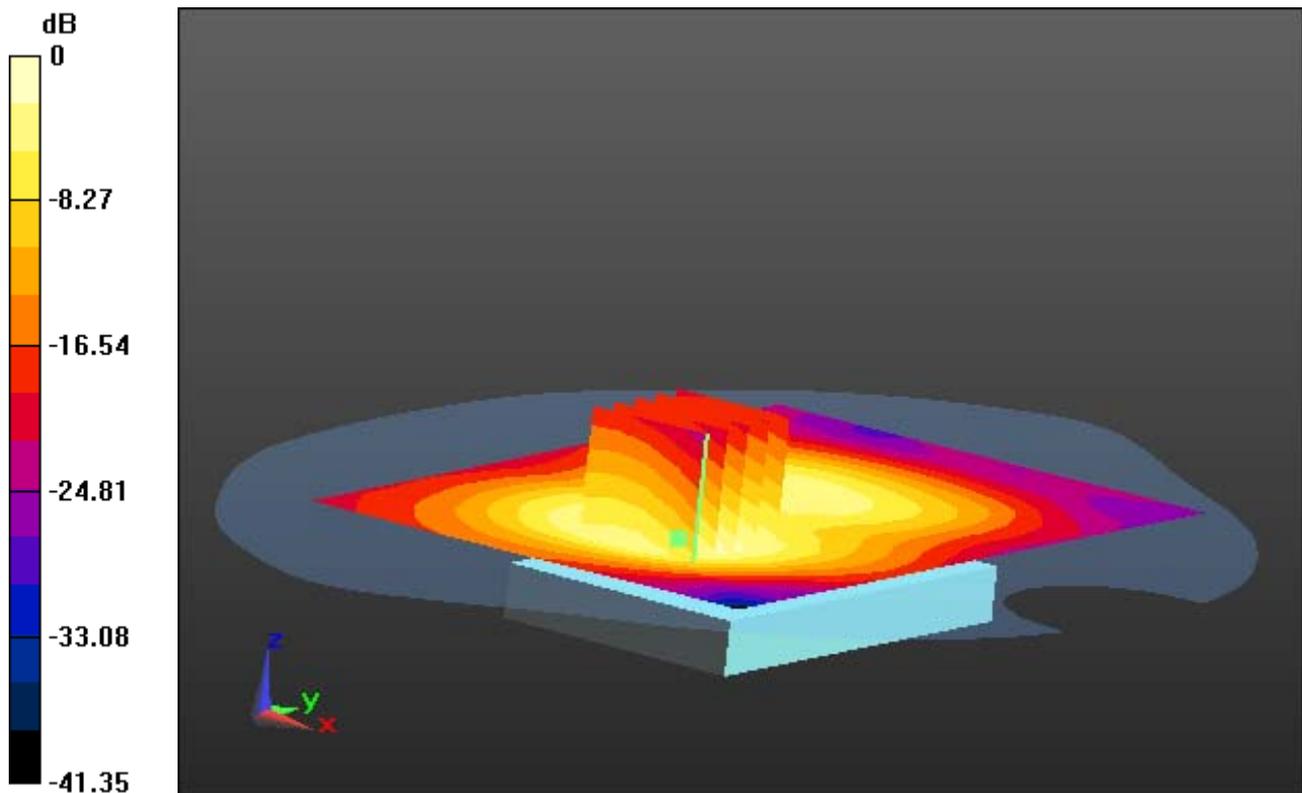
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.918 mW/g

**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.341 W/kg**



0 dB = 1.06 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.477$  mho/m;  $\epsilon_r = 53.552$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 512, Ant Internal**

**With Enlarge plot image**

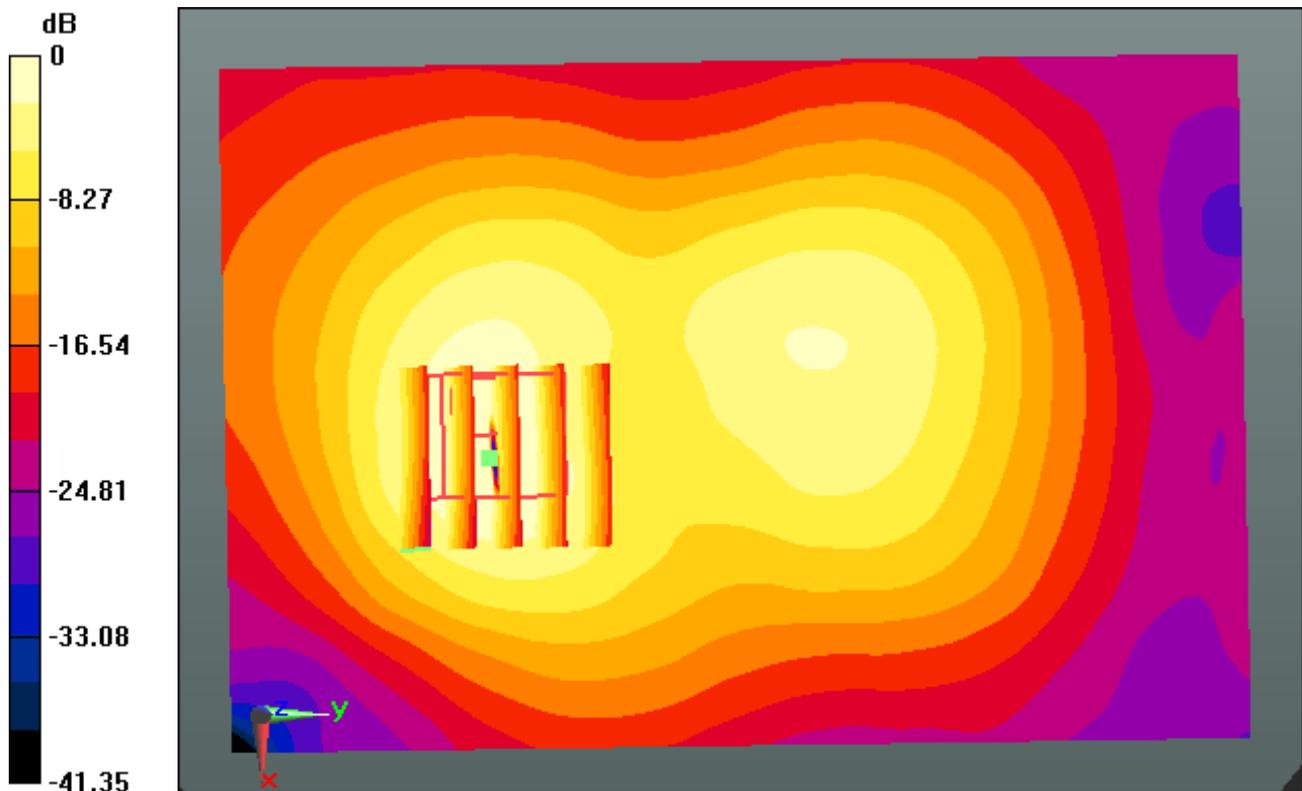
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.918 mW/g

**SAR(1 g) = 0.633 W/kg; SAR(10 g) = 0.341 W/kg**



0 dB = 1.06 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal**

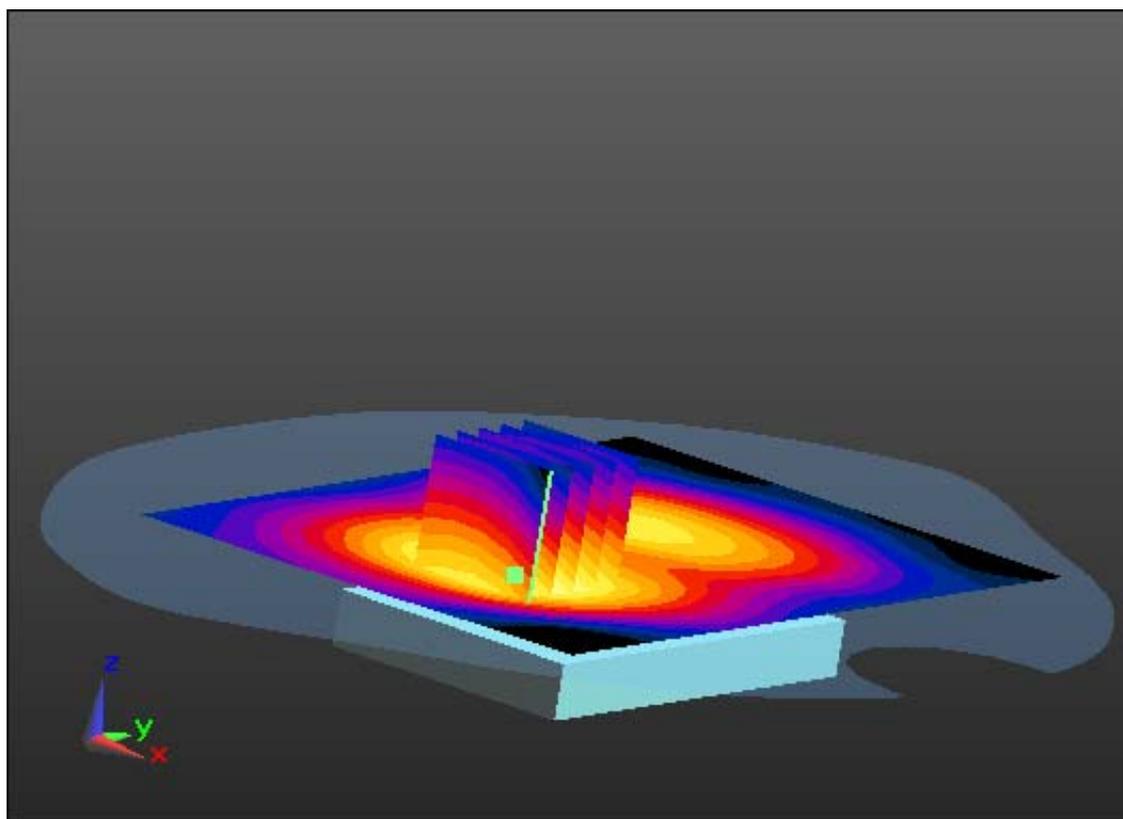
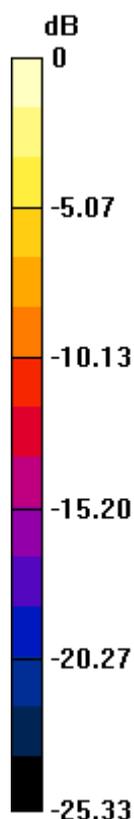
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.762 mW/g

**SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.426 W/kg**



0 dB = 1.27 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

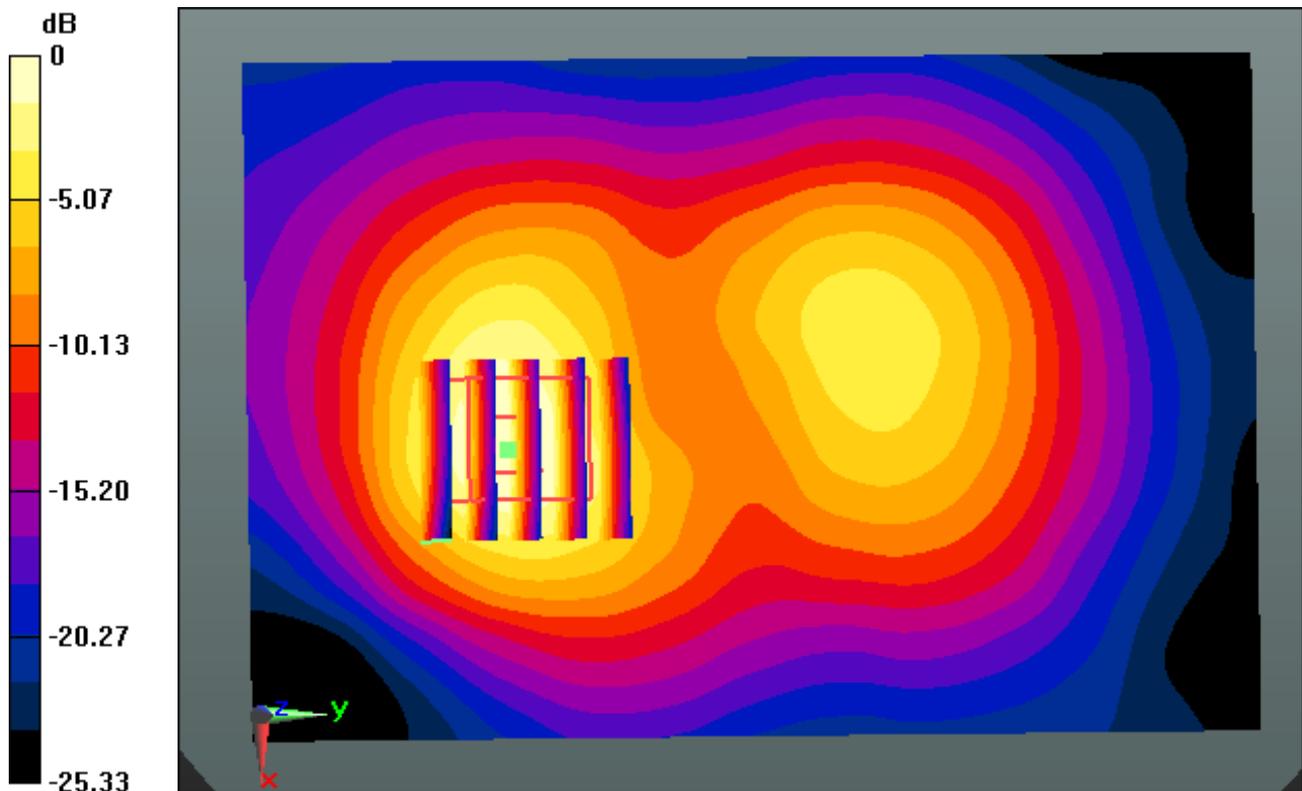
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.762 mW/g

**SAR(1 g) = 0.852 W/kg; SAR(10 g) = 0.426 W/kg**



0 dB = 1.27 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal**

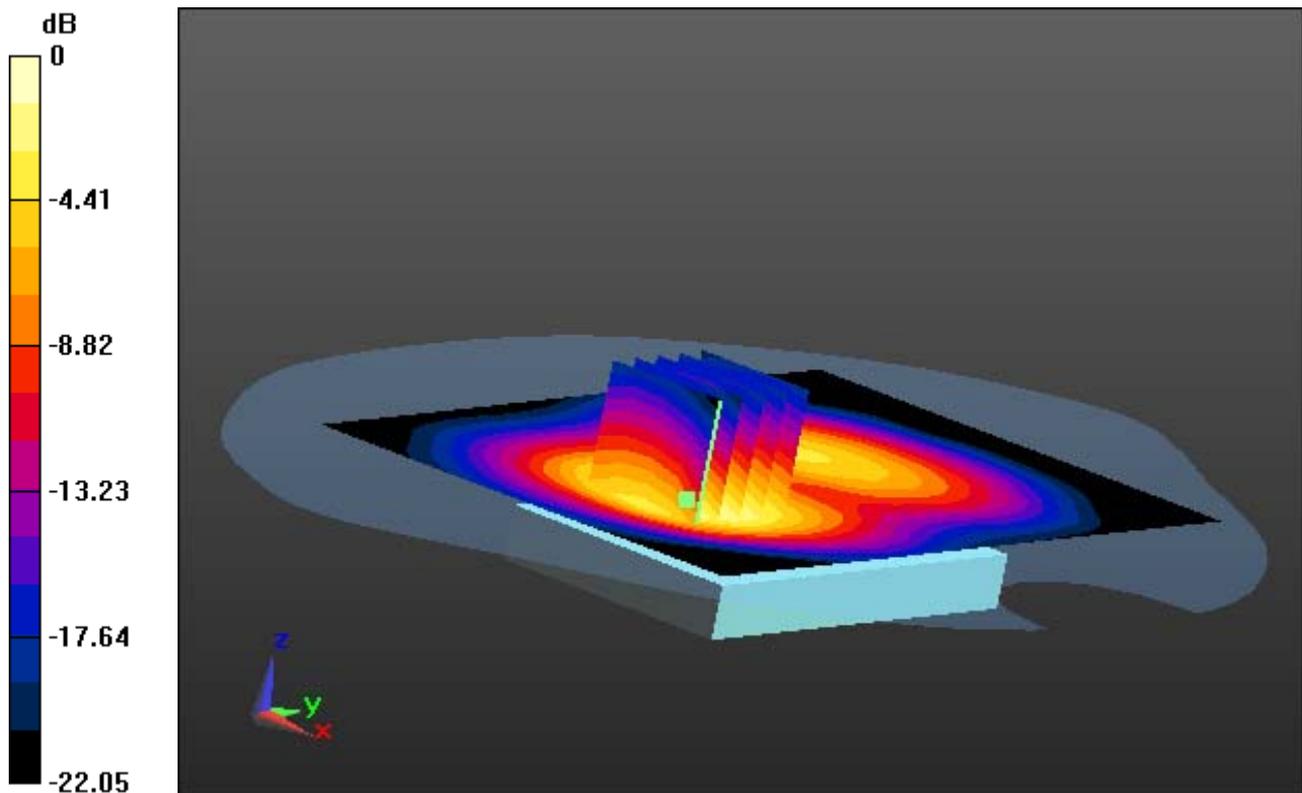
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.094 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.562 W/kg**



0 dB = 1.57 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 12; Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal**

**With Enlarge plot image**

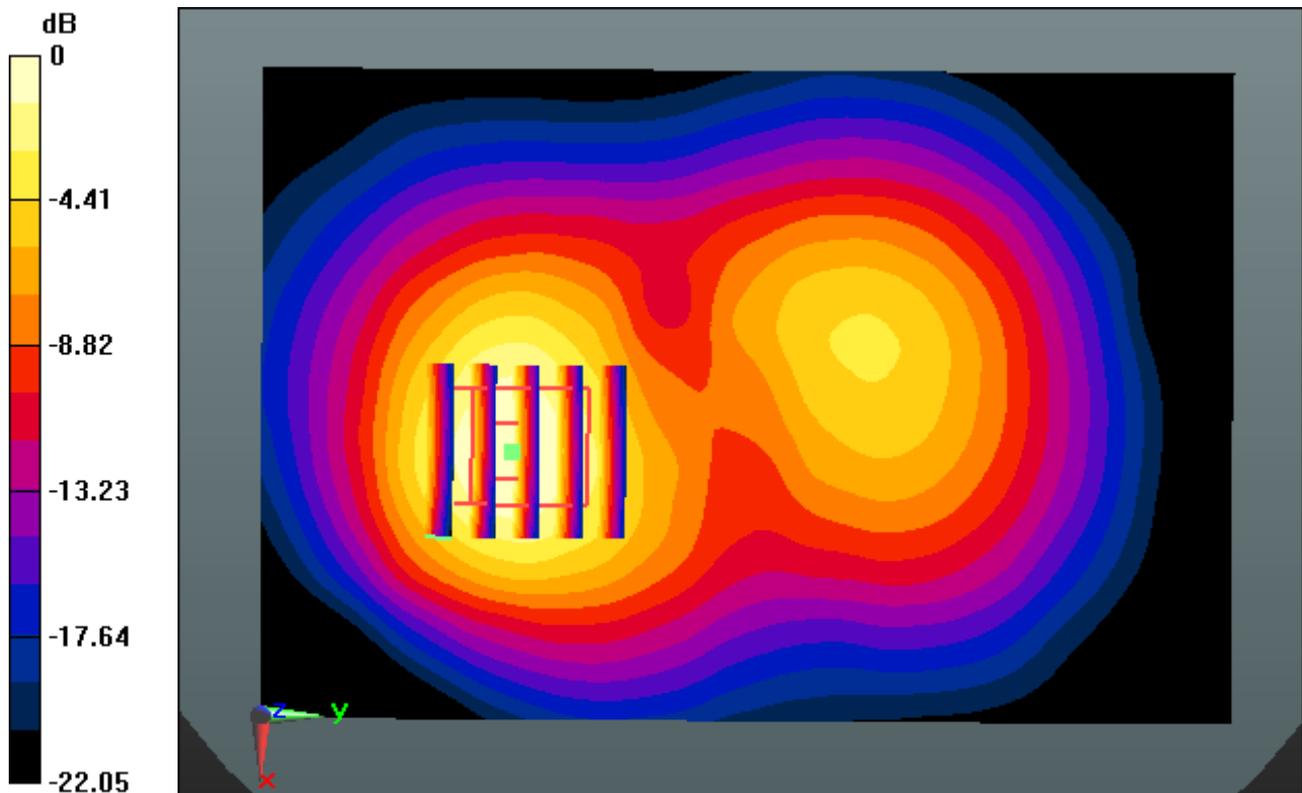
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.09 dB

Peak SAR (extrapolated) = 2.094 mW/g

**SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.562 W/kg**



0 dB = 1.57 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Right, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

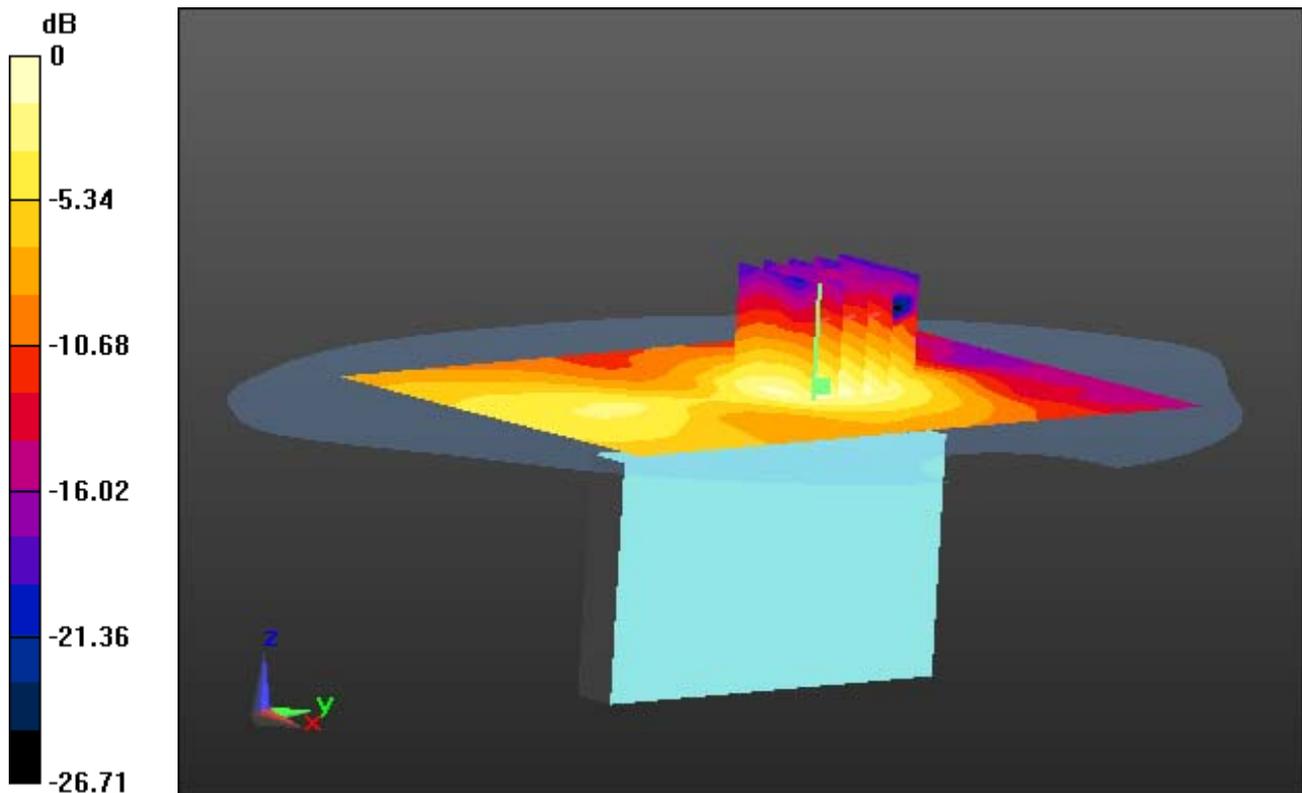
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.233 mW/g

**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.068 W/kg**



0 dB = 0.177 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Right, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

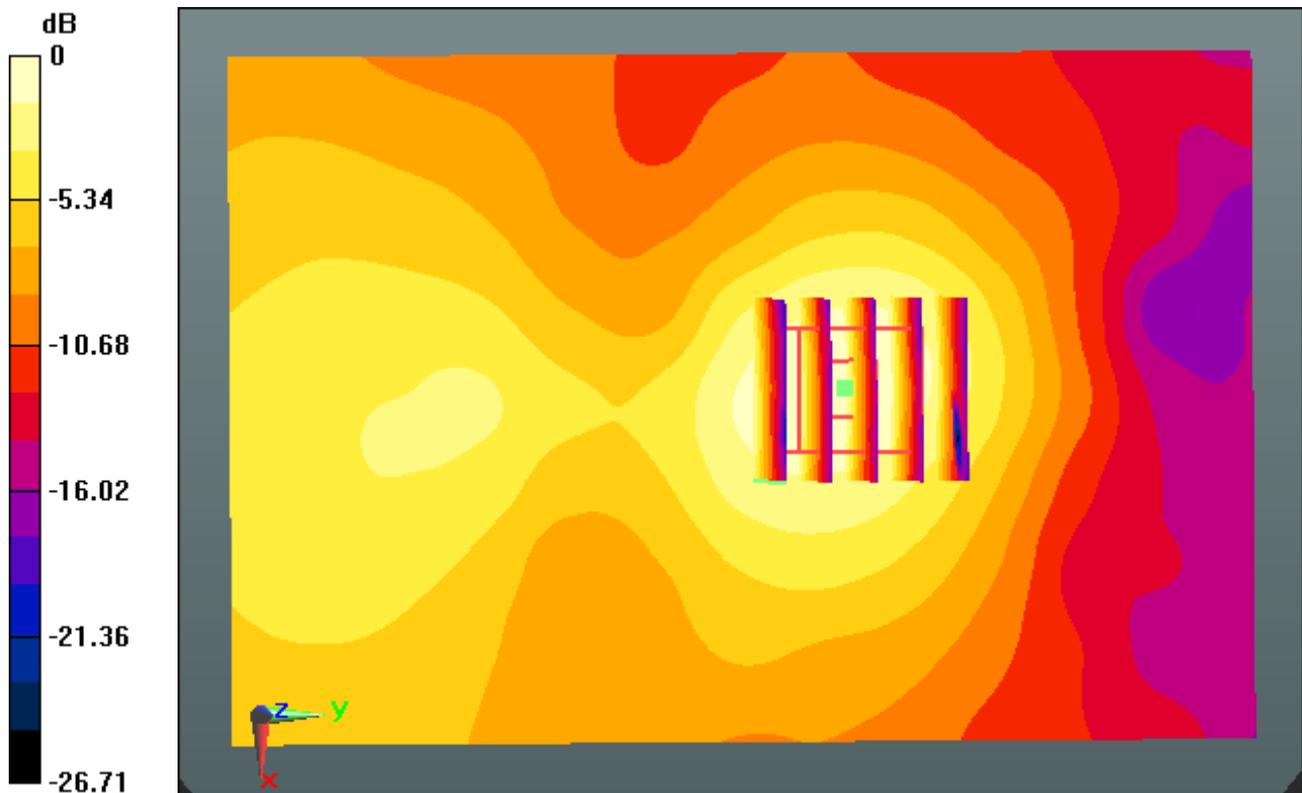
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.233 mW/g

**SAR(1 g) = 0.126 W/kg; SAR(10 g) = 0.068 W/kg**



0 dB = 0.177 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Left, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

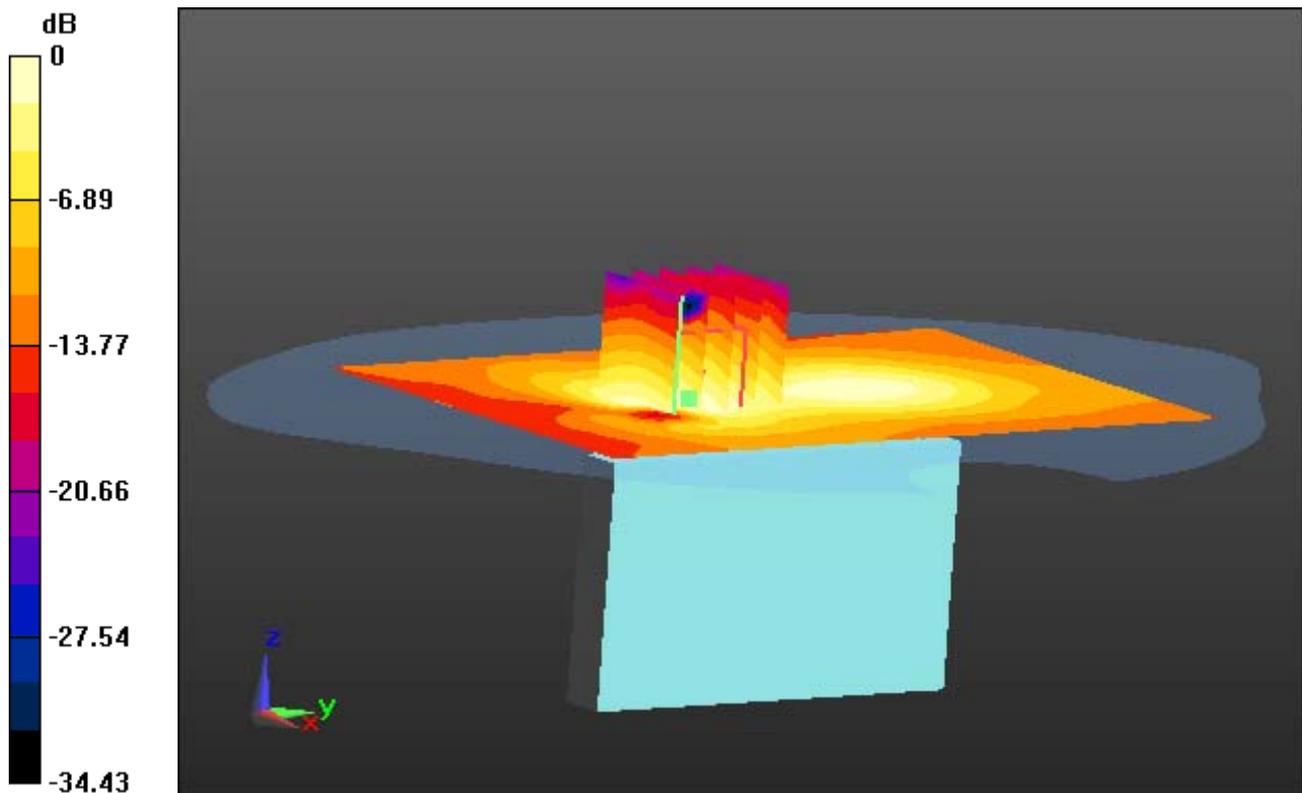
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.536 mW/g

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.145 W/kg**



0 dB = 0.402 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1880 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.507$  mho/m;  $\epsilon_r = 53.484$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Left, PCS1900 GPRS 3 Tx Ch. 661, Ant Internal**

**With Enlarge plot image**

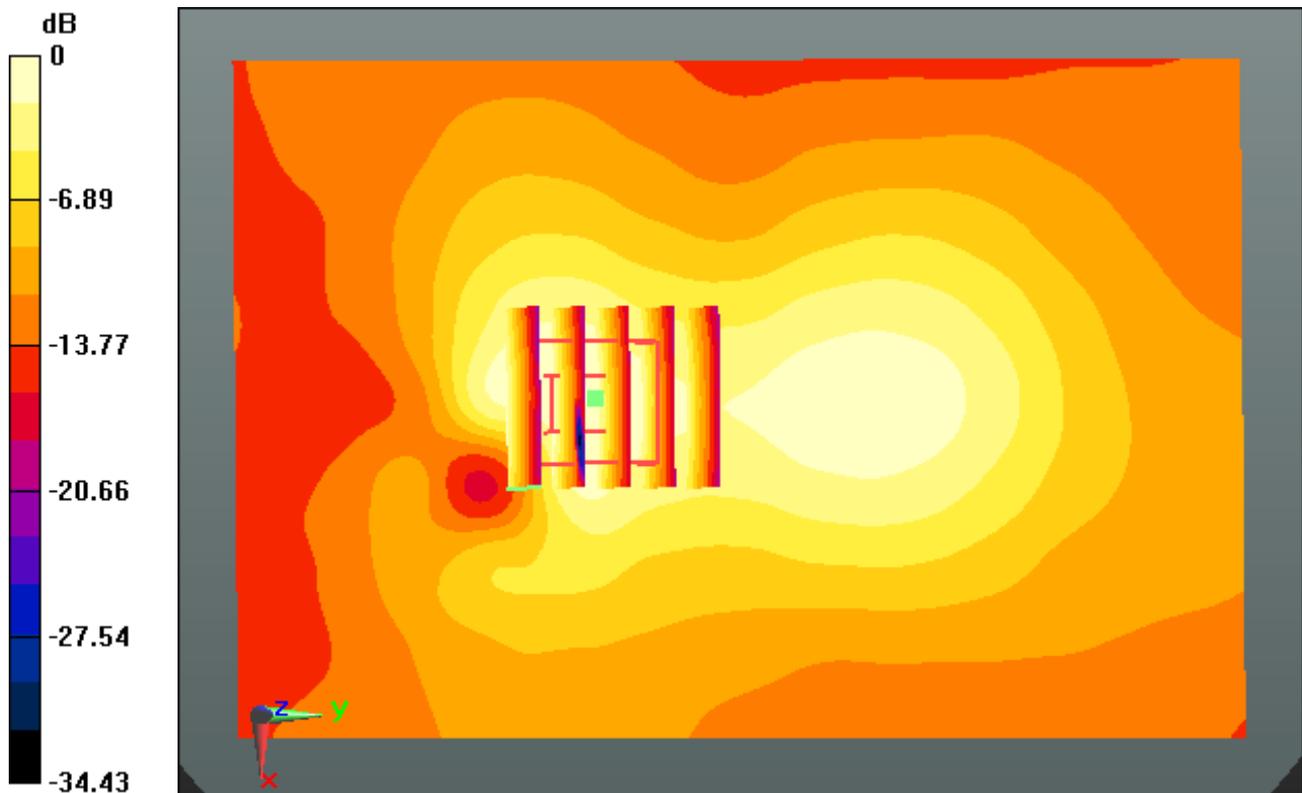
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.536 mW/g

**SAR(1 g) = 0.281 W/kg; SAR(10 g) = 0.145 W/kg**



0 dB = 0.402 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

**With Ear Phone**

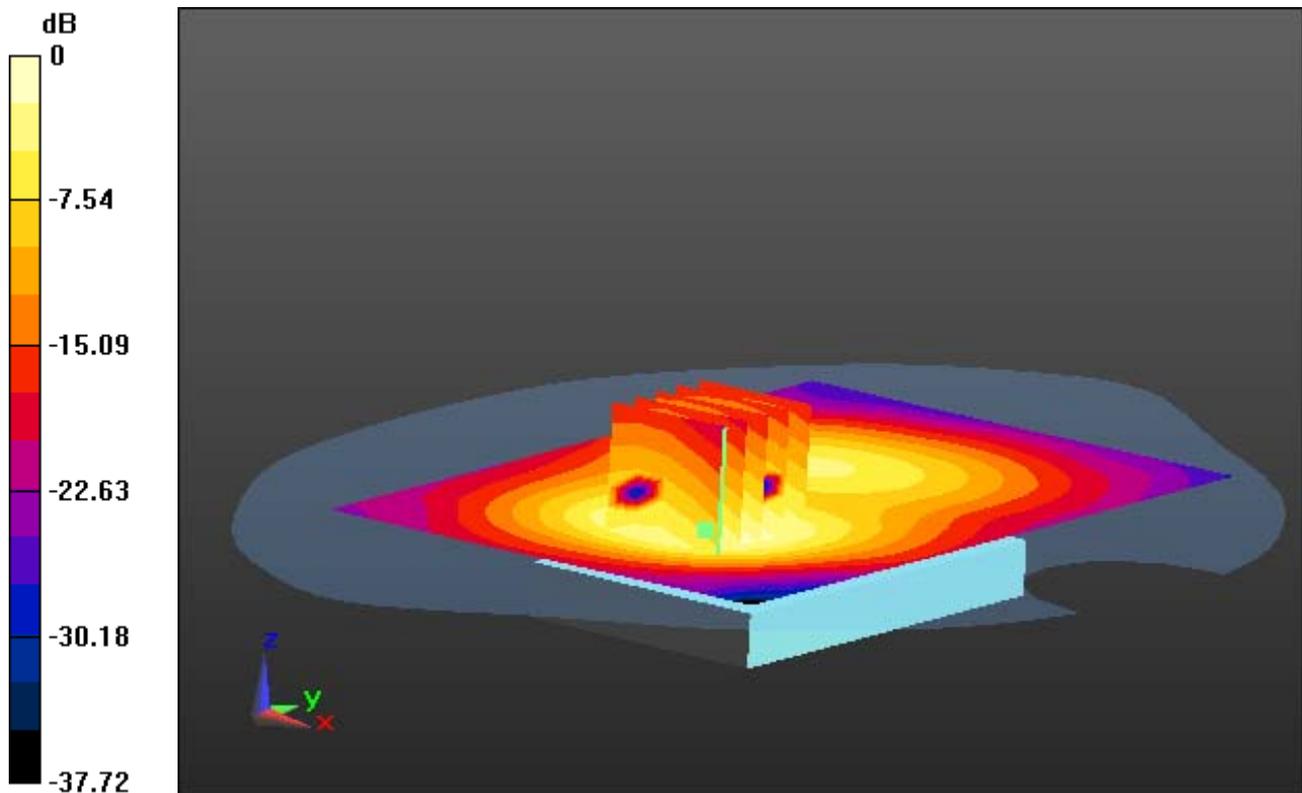
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.954 mW/g

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.585 W/kg**



0 dB = 1.54 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

**With Ear Phone, With Enlarge plot image**

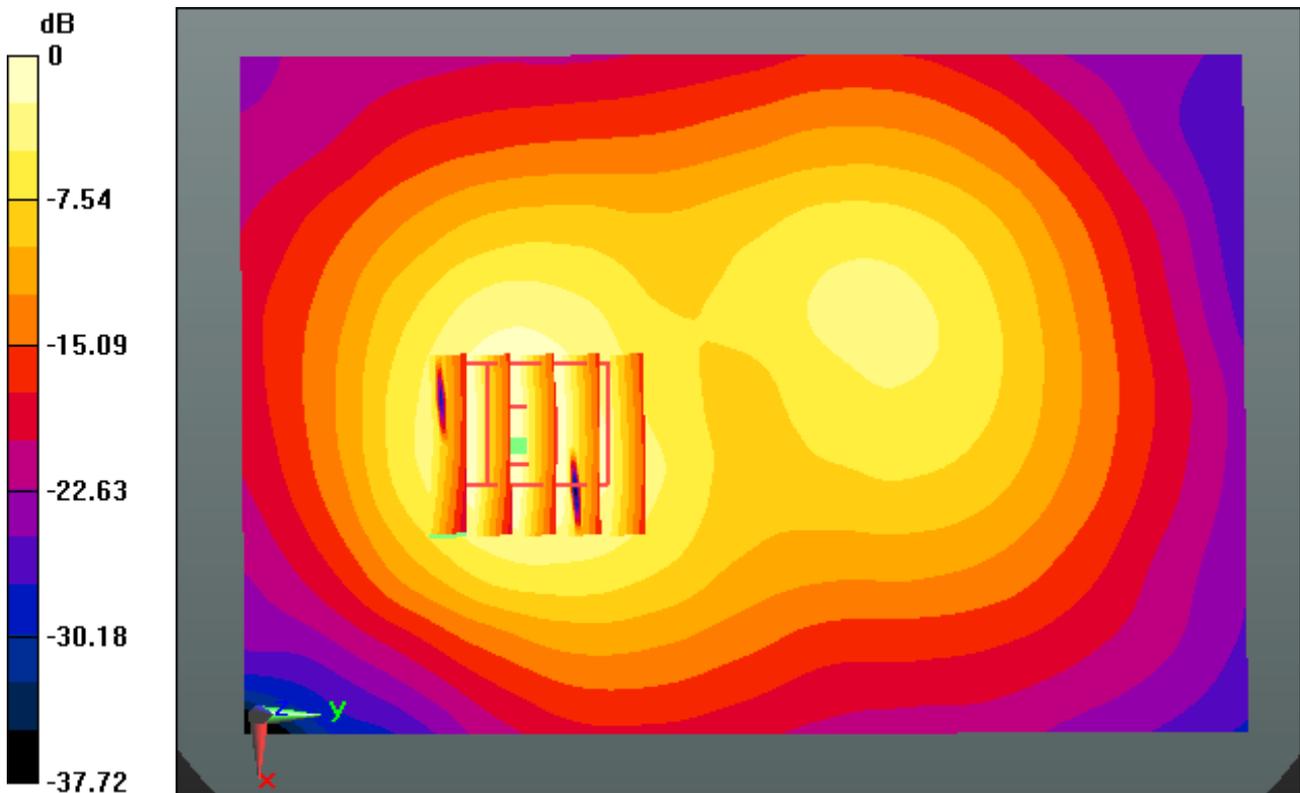
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.954 mW/g

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.585 W/kg**



0 dB = 1.54 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

## **SAR Variability Result**

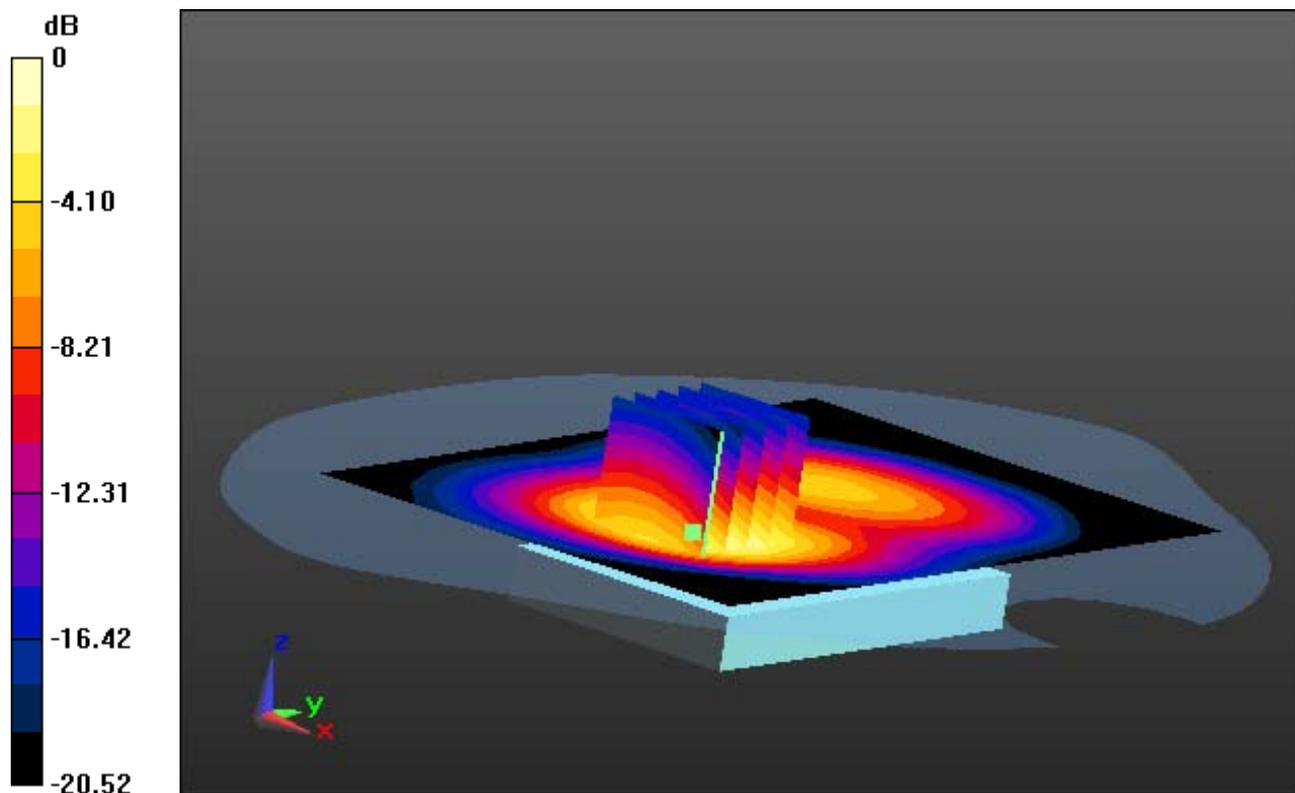
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.010 mW/g

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.587 W/kg**



0 dB = 1.55 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

## **SAR Variability Result, With Enlarge plot image**

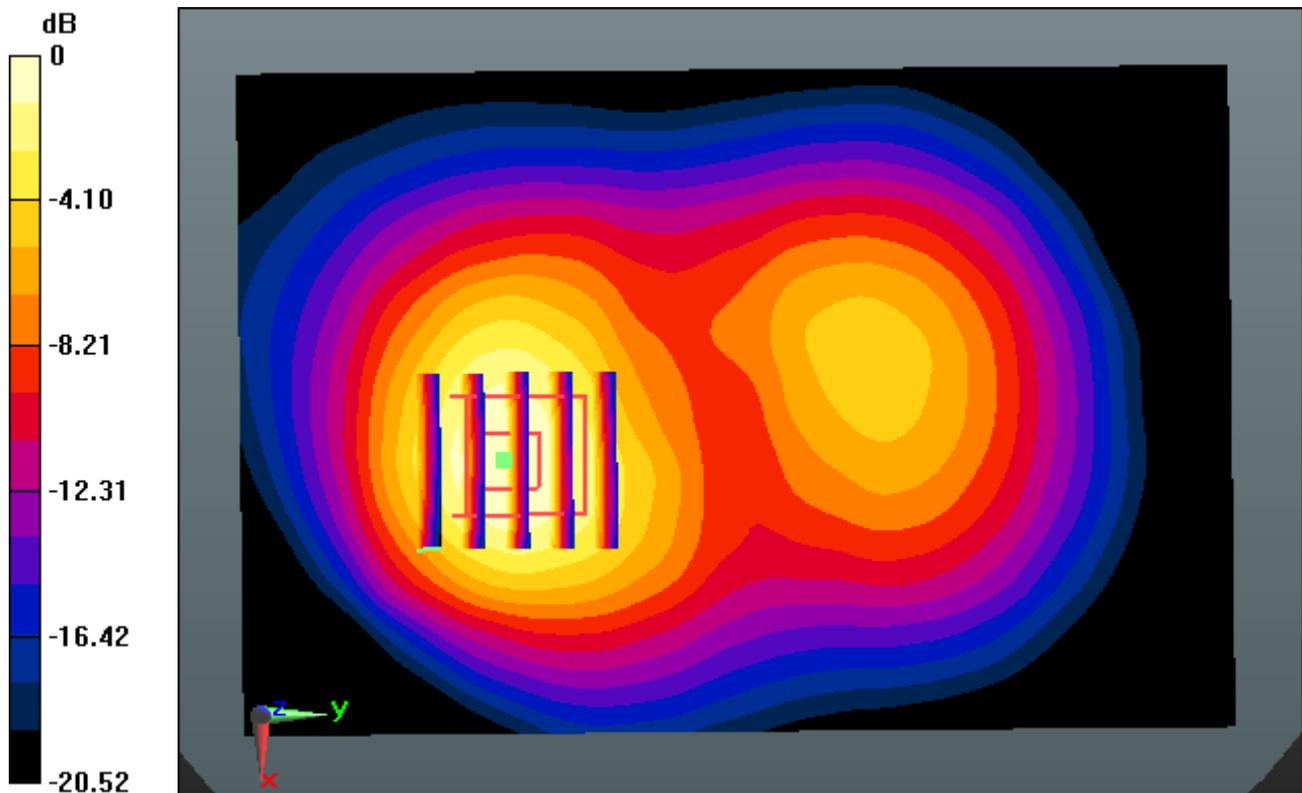
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 2.010 mW/g

**SAR(1 g) = 1.09 W/kg; SAR(10 g) = 0.587 W/kg**



0 dB = 1.55 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: PCS1900\_Class 11; Frequency: 1909.8 MHz; Duty Cycle: 1:2.77  
Medium parameters used:  $f = 1909.8$  MHz;  $\sigma = 1.534$  mho/m;  $\epsilon_r = 53.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2012-12-20; Ambient Temp: 21.5; Tissue Temp: 21.7

**1 cm space from Body, Rear, PCS1900 GPRS 3 Tx Ch. 810, Ant Internal**

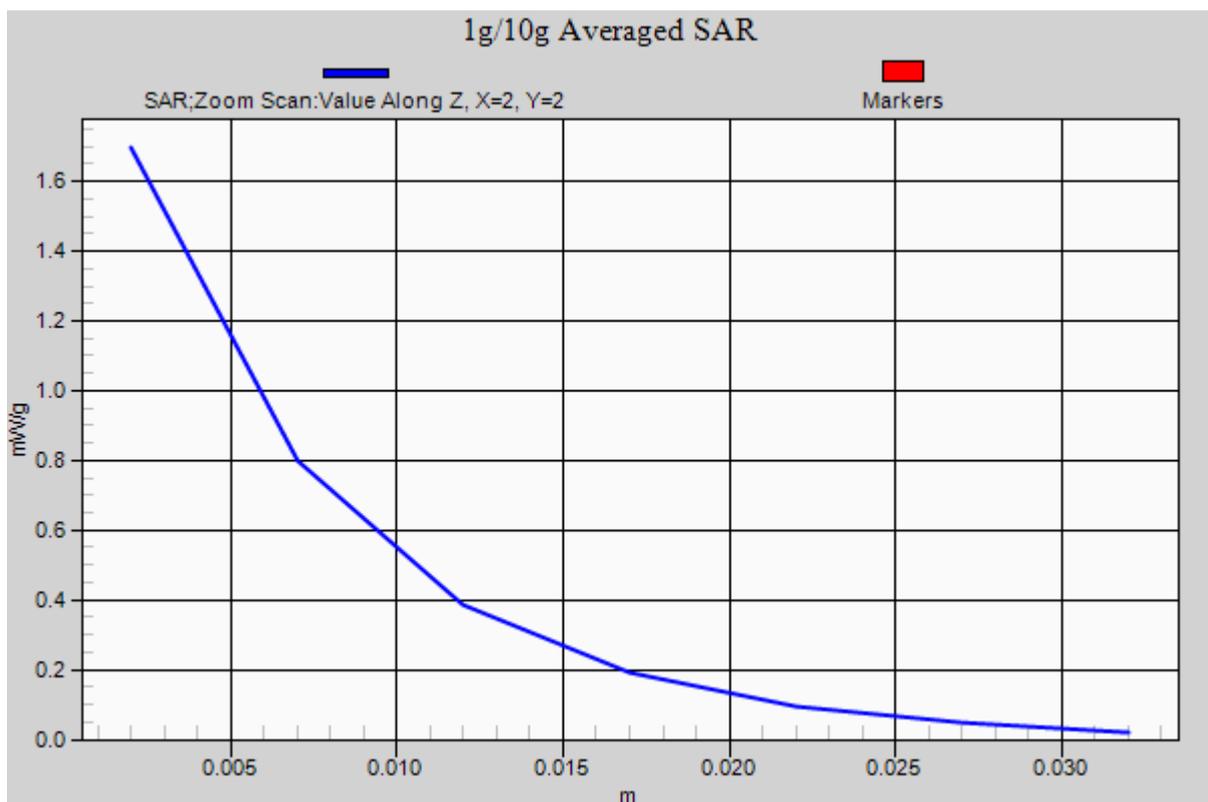
**Area Scan (81x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.09 dB

Peak SAR (extrapolated) = 2.311 mW/g

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.569 W/kg**



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

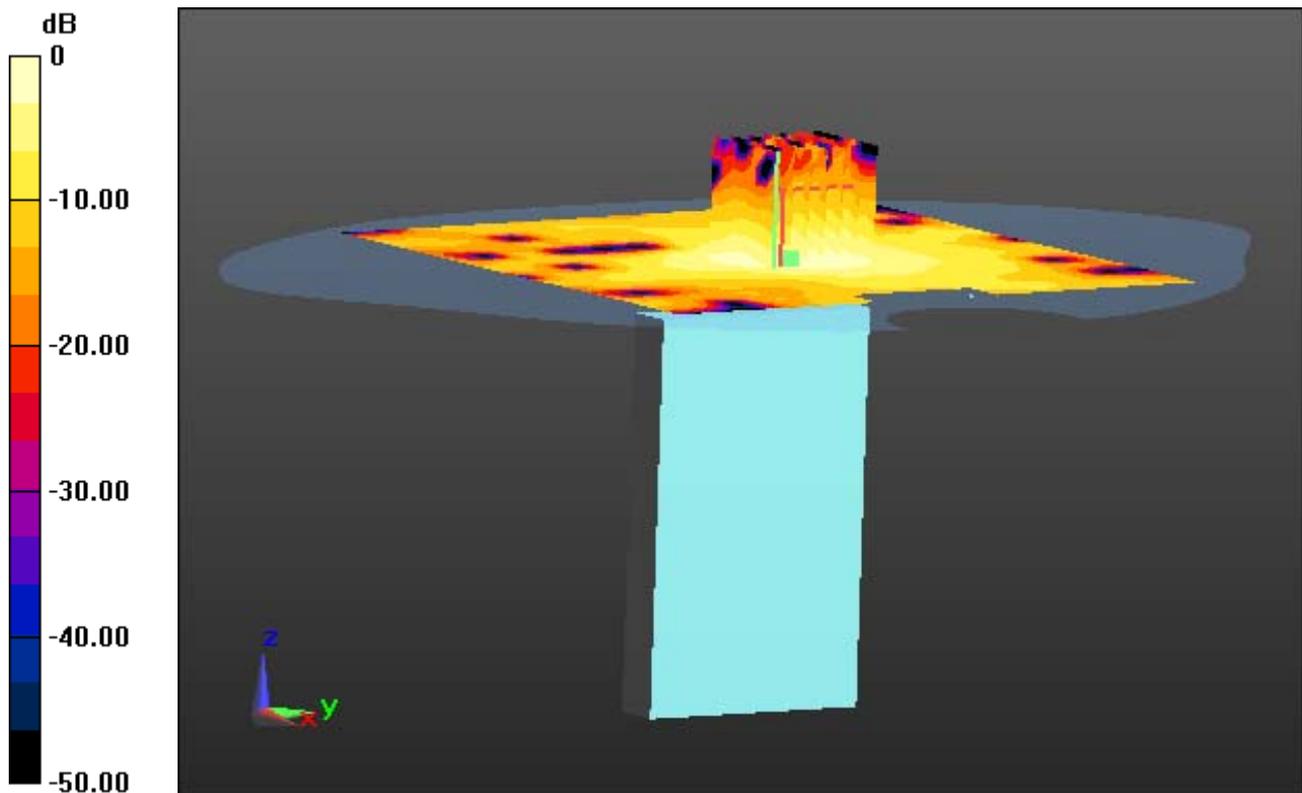
**Area Scan (131x131x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.100 mW/g

**SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.022 W/kg**



0 dB = 0.0700 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

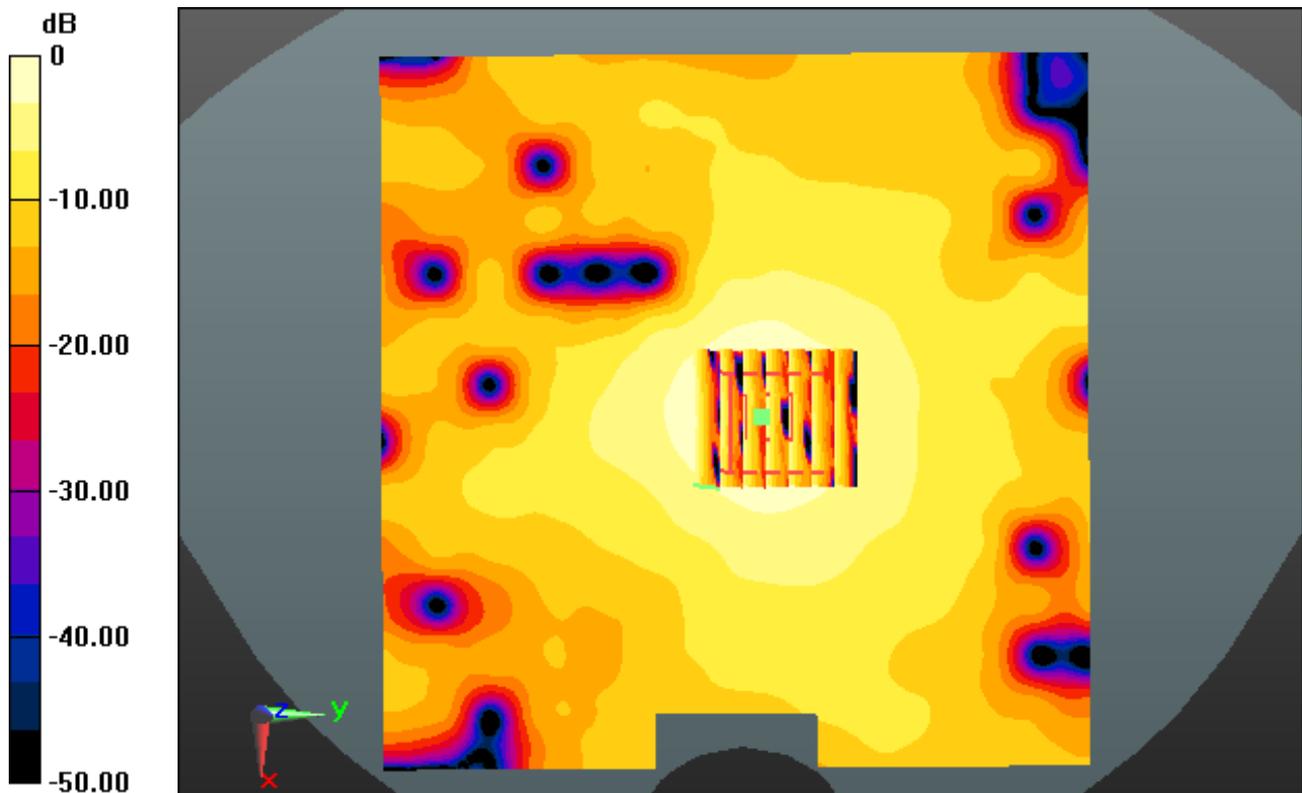
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (131x131x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.14 dB  
Peak SAR (extrapolated) = 0.100 mW/g  
**SAR(1 g) = 0.045 W/kg; SAR(10 g) = 0.022 W/kg**



0 dB = 0.0700 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

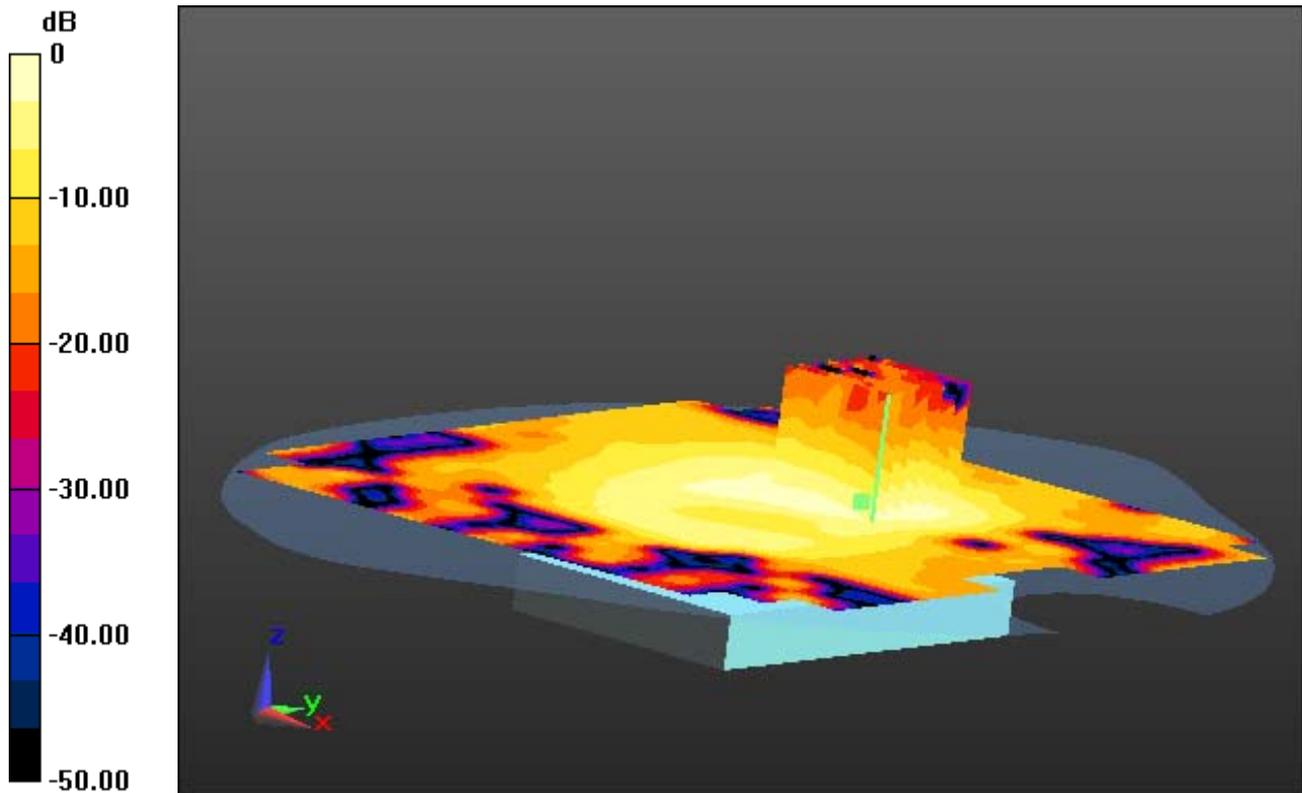
**1 cm space from Body, Front, W-LAN(802.11b) Ch. 1, Ant Internal**

**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm

**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.129 mW/g

**SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.030 W/kg**



0 dB = 0.0895 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

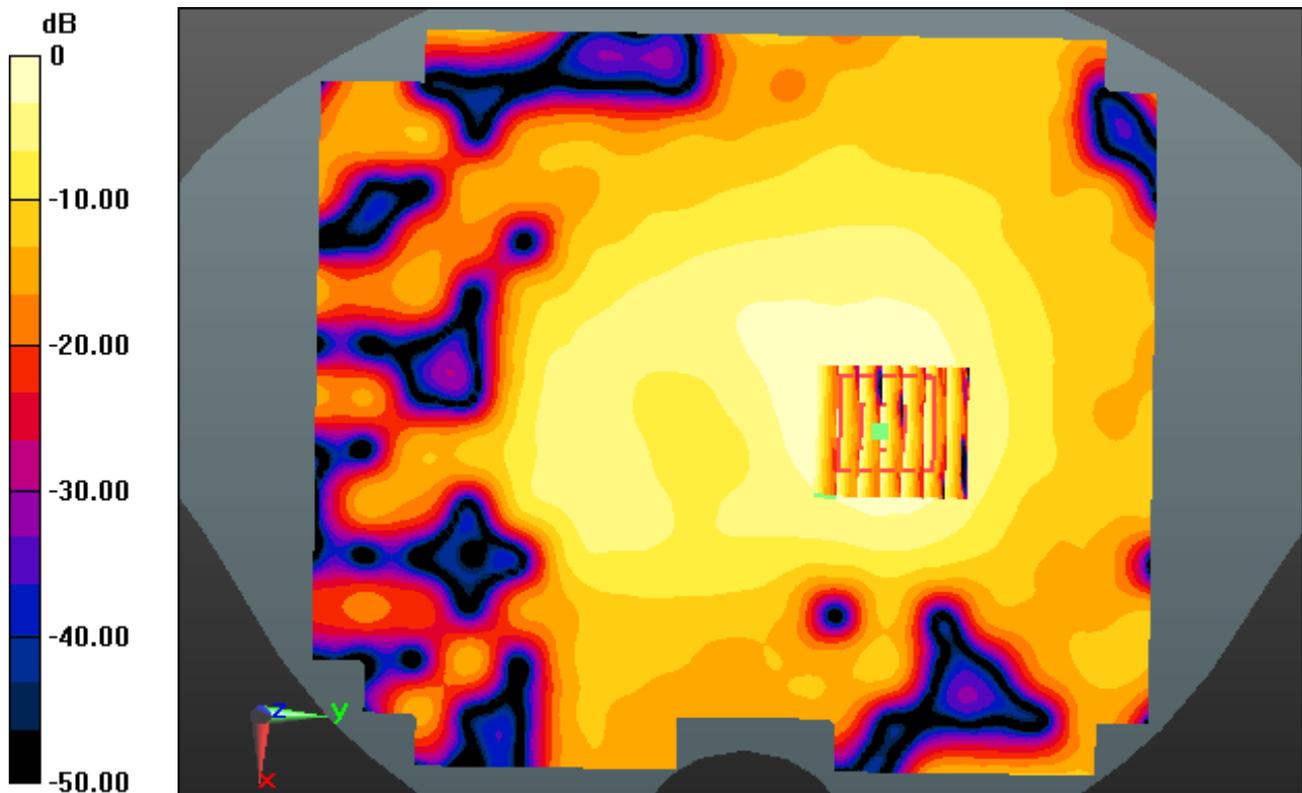
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.10 dB  
Peak SAR (extrapolated) = 0.129 mW/g  
**SAR(1 g) = 0.060 W/kg; SAR(10 g) = 0.030 W/kg**



0 dB = 0.0895 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

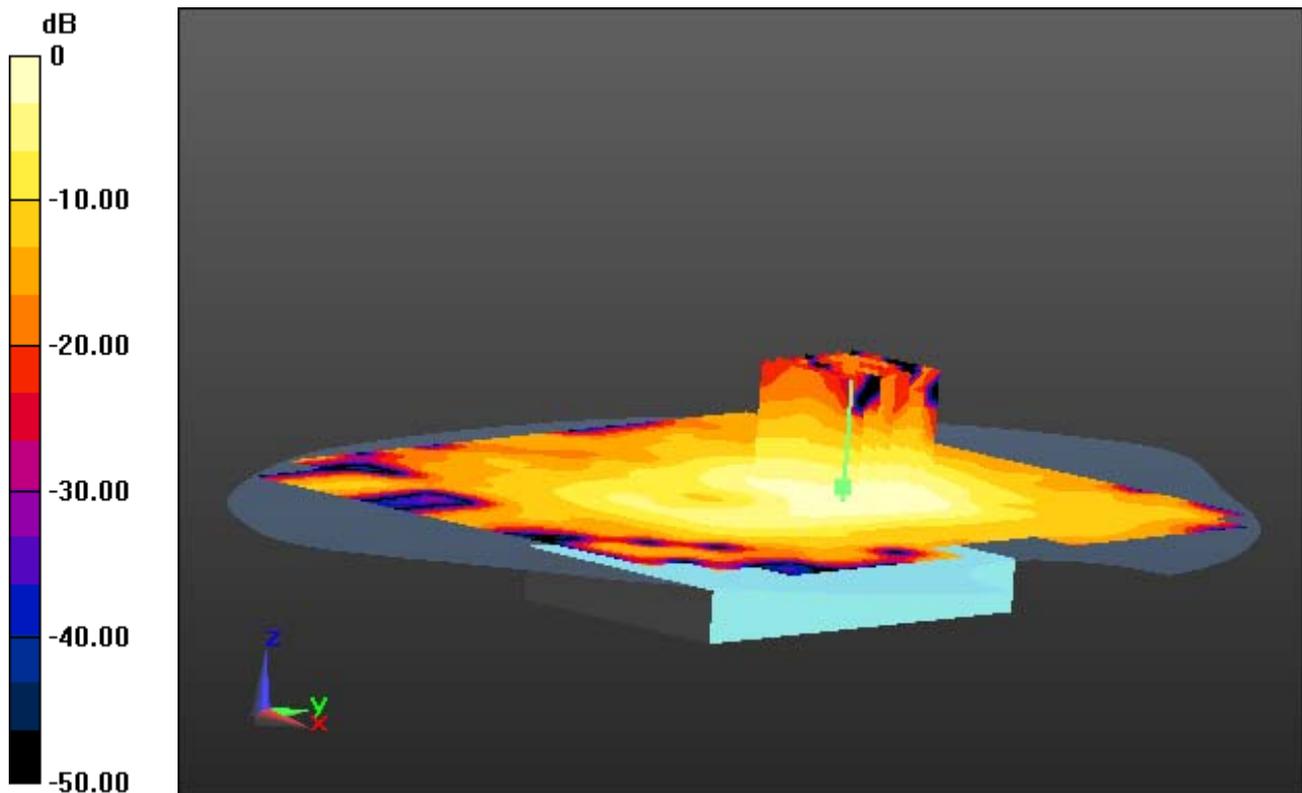
**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.149 mW/g

**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.037 W/kg**



0 dB = 0.103 mW/g



# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  mho/m;  $\epsilon_r = 54.256$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

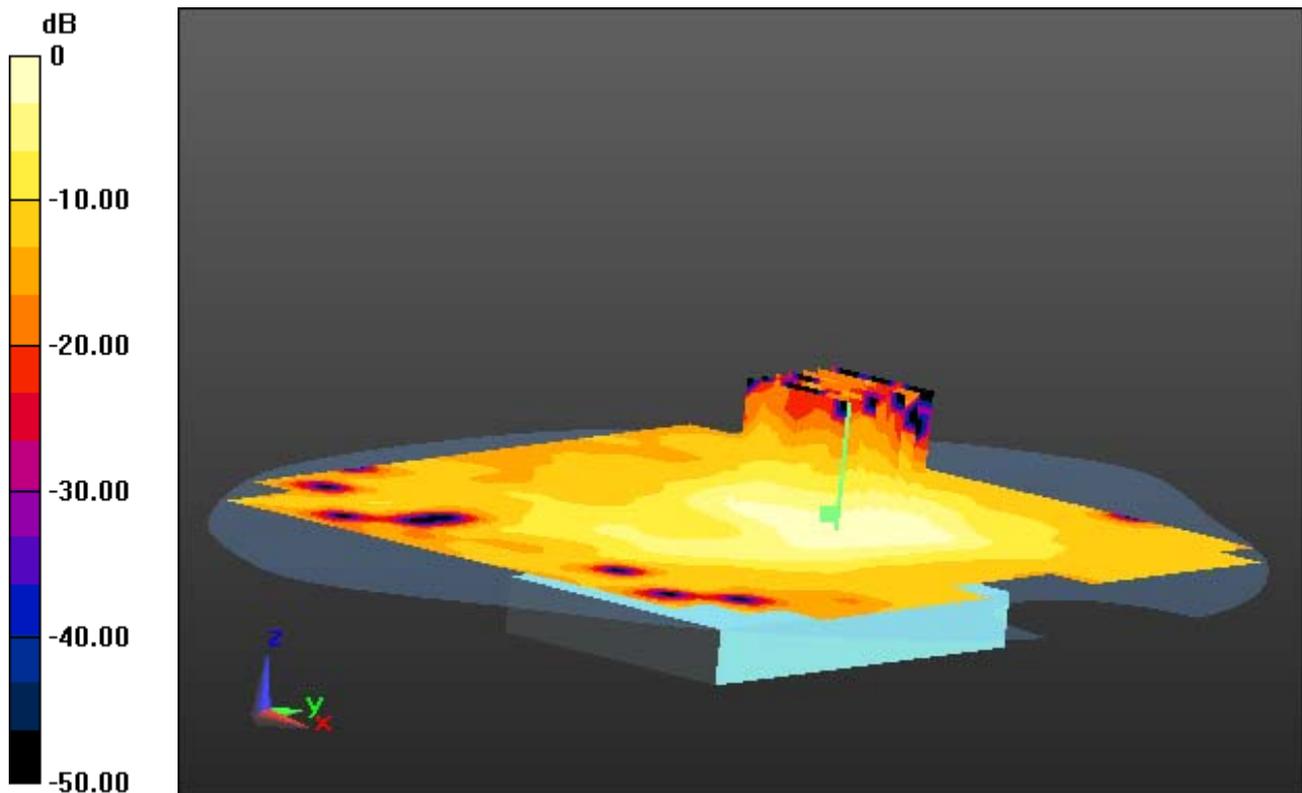
**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.109 mW/g

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0767 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.954$  mho/m;  $\epsilon_r = 54.256$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

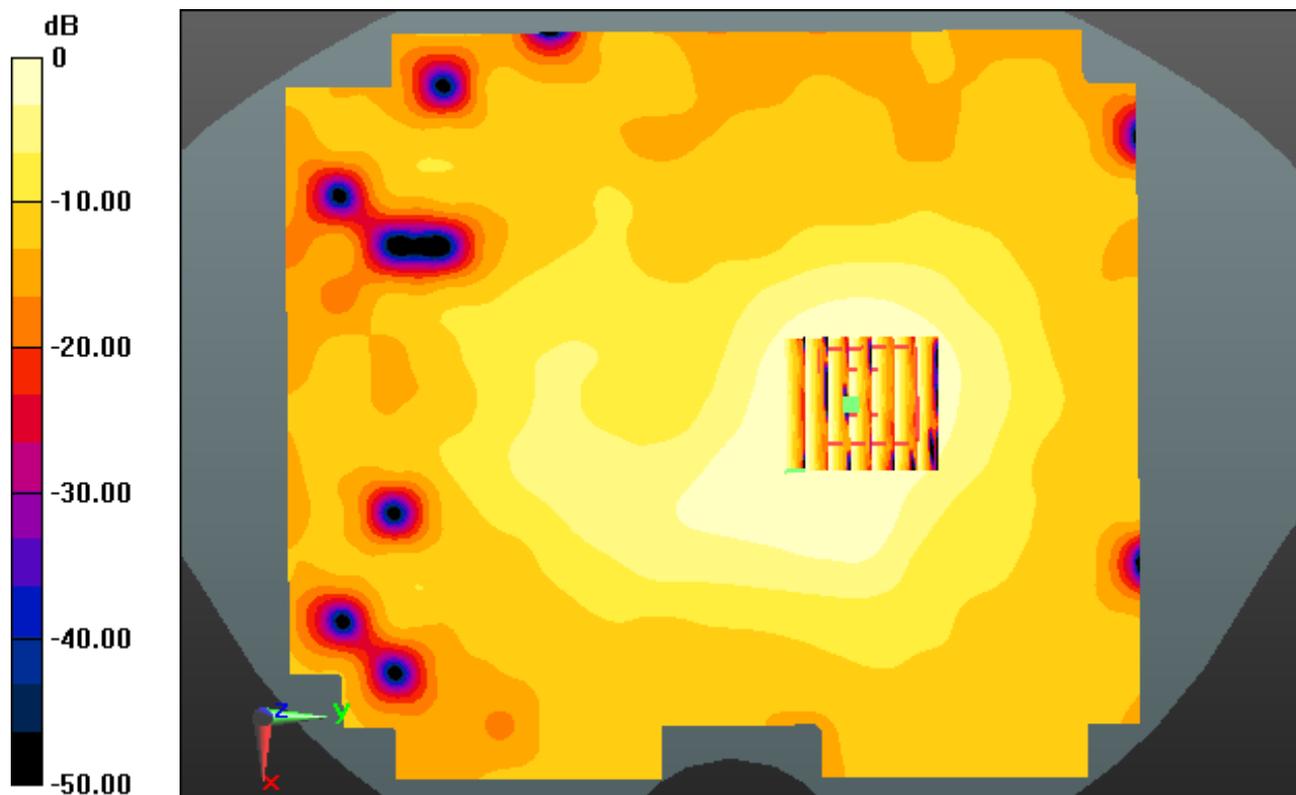
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.109 mW/g  
**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0767 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.989$  mho/m;  $\epsilon_r = 54.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

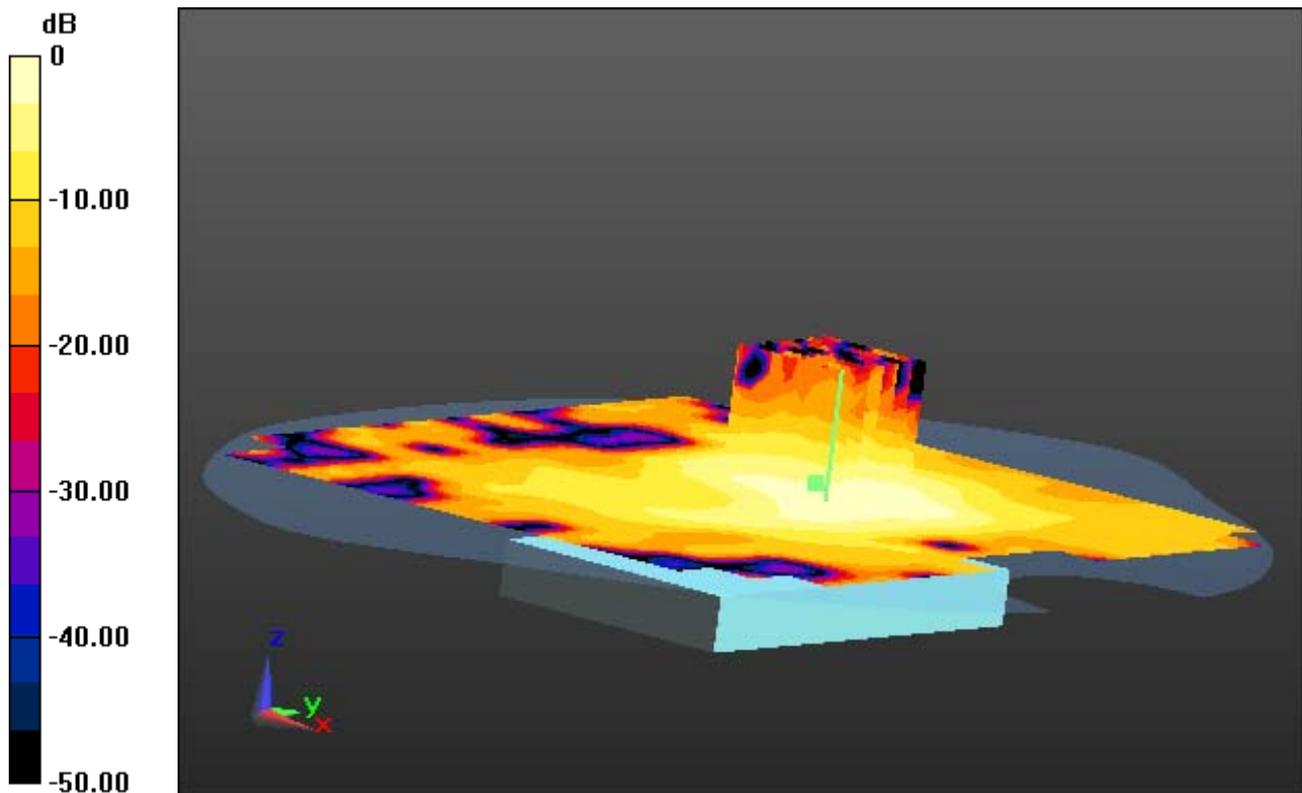
**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.118 mW/g

**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0796 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.989$  mho/m;  $\epsilon_r = 54.15$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

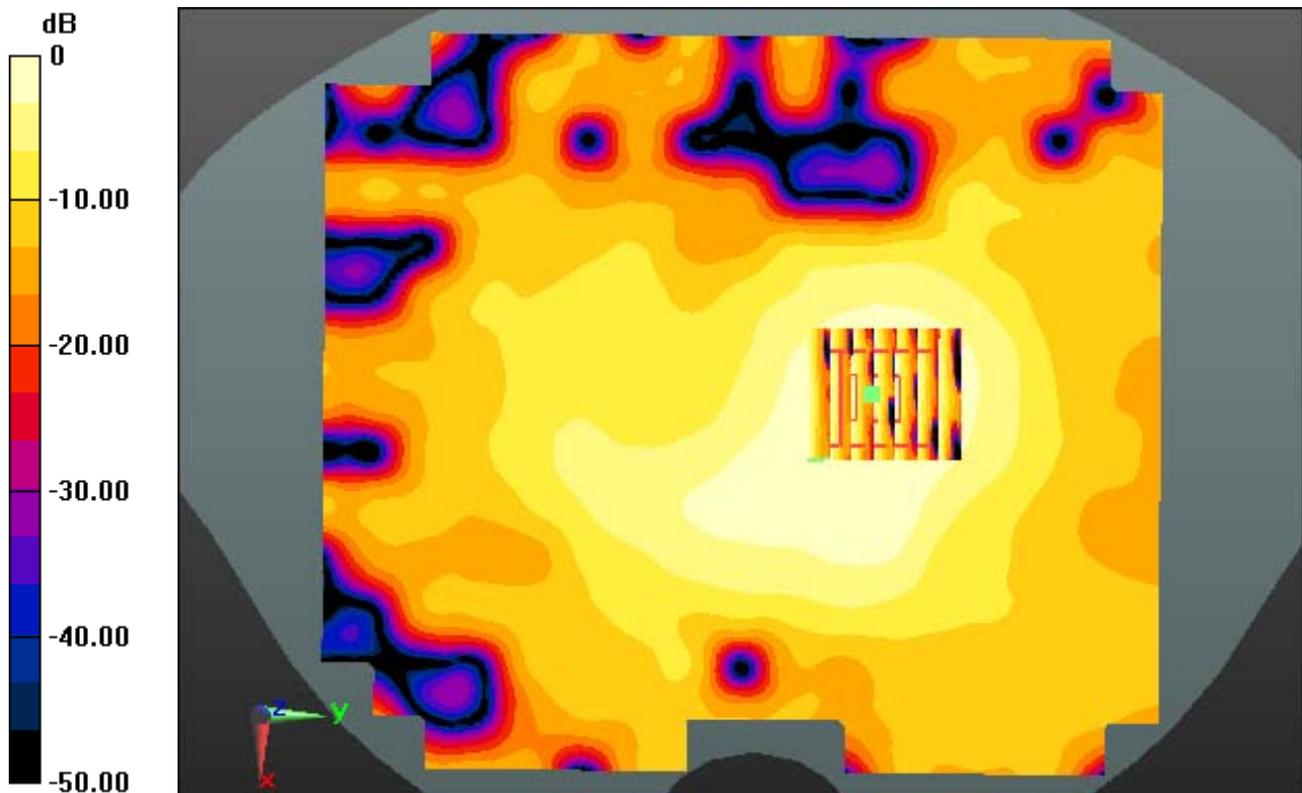
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 0.118 mW/g  
**SAR(1 g) = 0.053 W/kg; SAR(10 g) = 0.027 W/kg**



0 dB = 0.0796 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

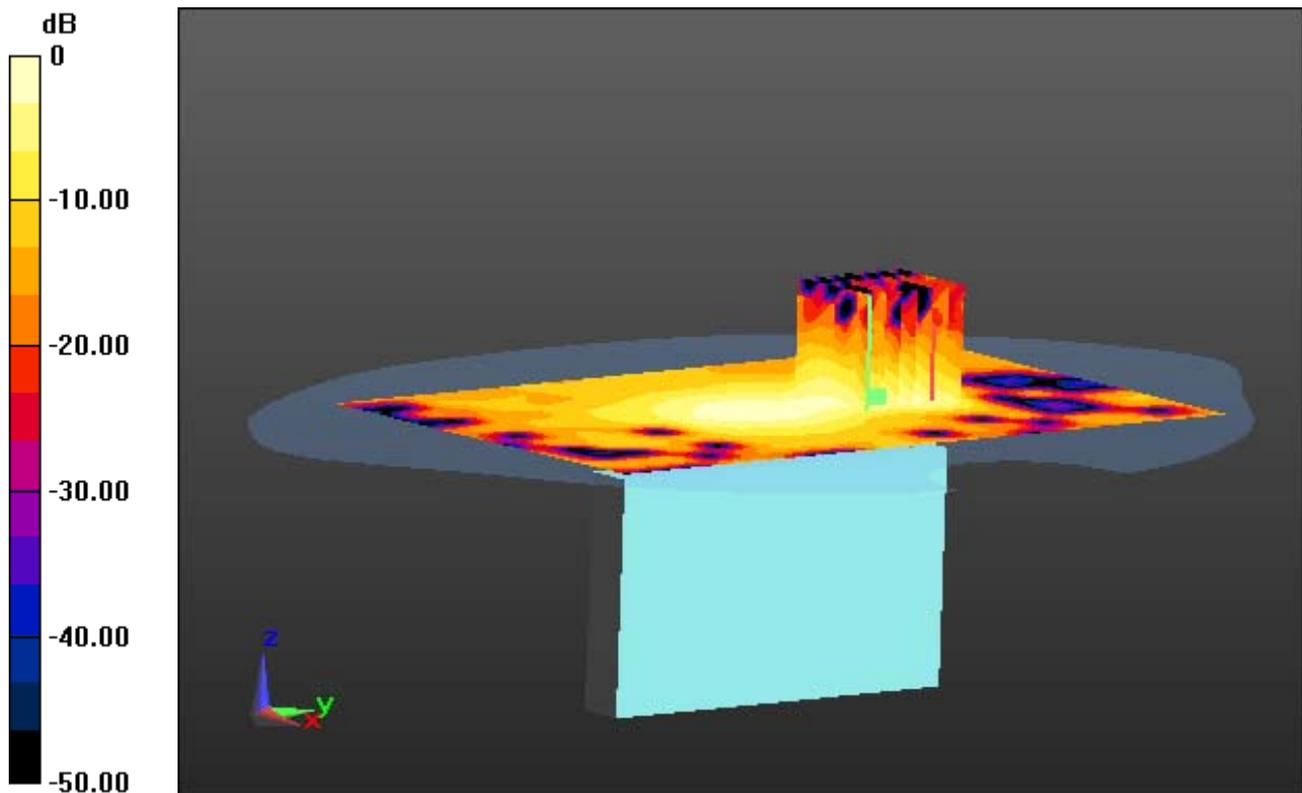
**Area Scan (101x161x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.163 mW/g

**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.026 W/kg**



0 dB = 0.104 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

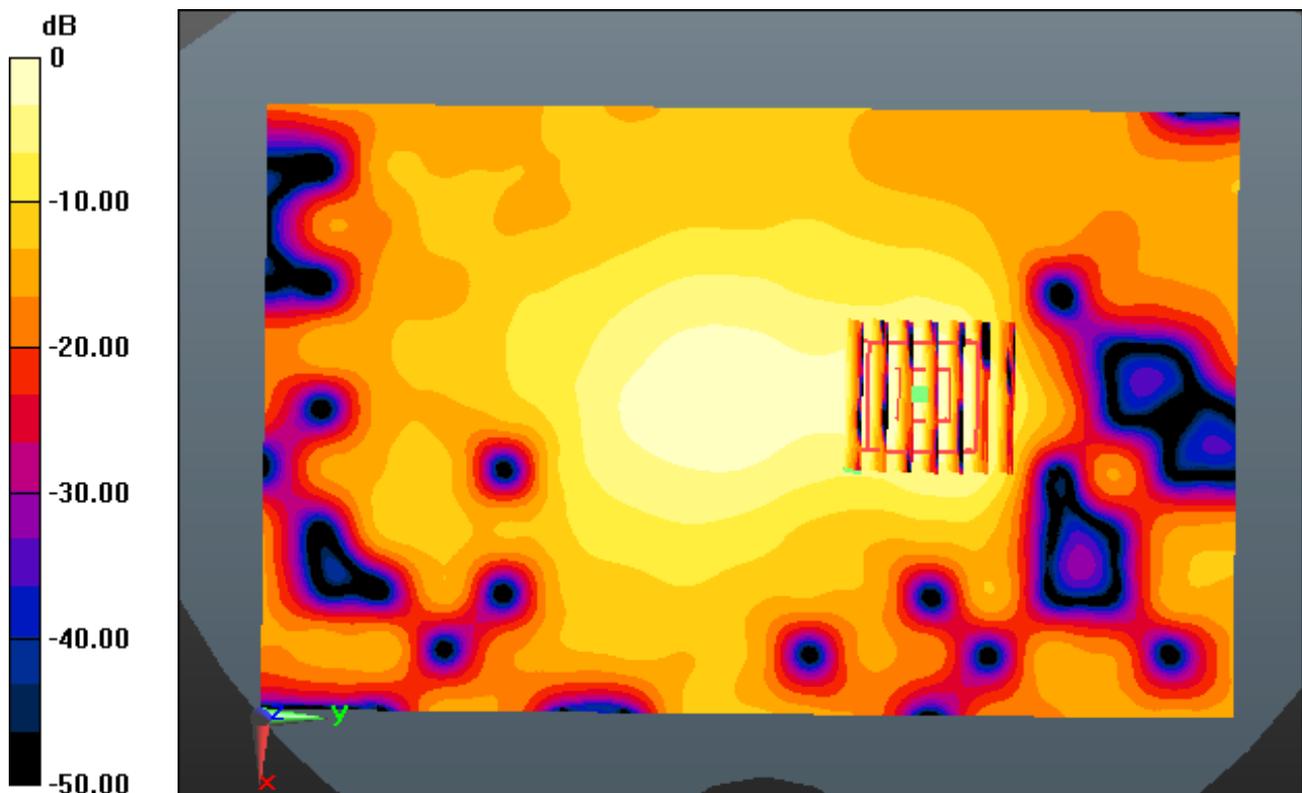
Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**With Enlarge plot image**

**Area Scan (101x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.05 dB  
Peak SAR (extrapolated) = 0.163 mW/g  
**SAR(1 g) = 0.062 W/kg; SAR(10 g) = 0.026 W/kg**



0 dB = 0.104 mW/g

# DIGITAL EMC CO., LTD

**DUT: LG-E430; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.919$  mho/m;  $\epsilon_r = 54.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-01-05; Ambient Temp: 21.0; Tissue Temp: 21.3

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

**Area Scan (141x161x1):** Measurement grid: dx=12mm, dy=12mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.19 dB  
Peak SAR (extrapolated) = 0.149 mW/g  
**SAR(1 g) = 0.069 W/kg; SAR(10 g) = 0.037 W/kg**

