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**ATTACHMENT      P:      SAR TEST PLOTS**

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# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: Bar Type**

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

Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.99 \text{ mho/m}$ ;  $\epsilon_r = 54.4$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

**8mm from Body, GSM850 Ch.128, Ant Fixed, Standard Battery**

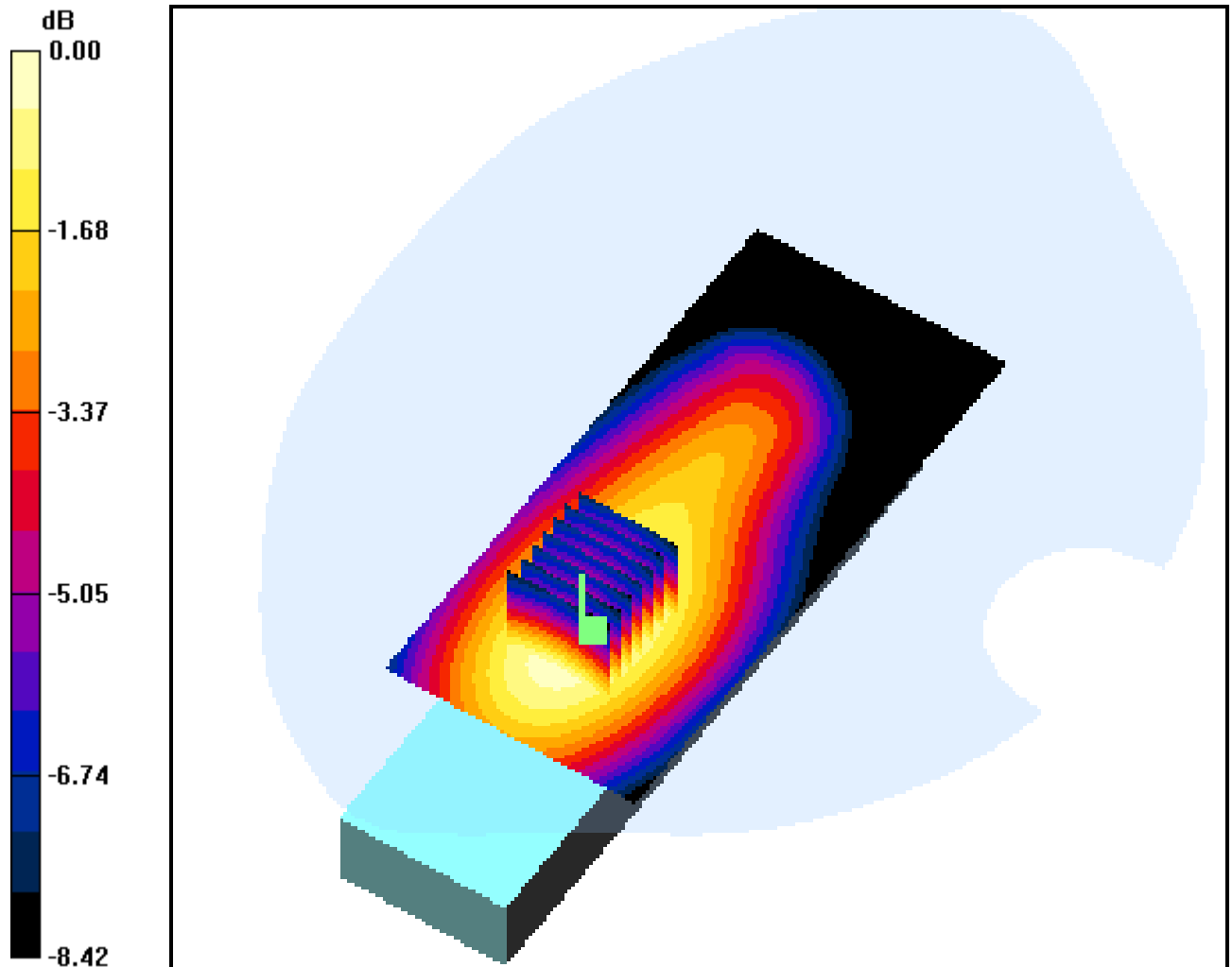
**Area Scan (51x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.204 mW/g**



0 dB = 0.292mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: Bar Type**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 1 \text{ mho/m}$ ;  $\epsilon_r = 54.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

**8mm from Body, GSM850 Ch.190, Ant Fixed, Standard Battery**

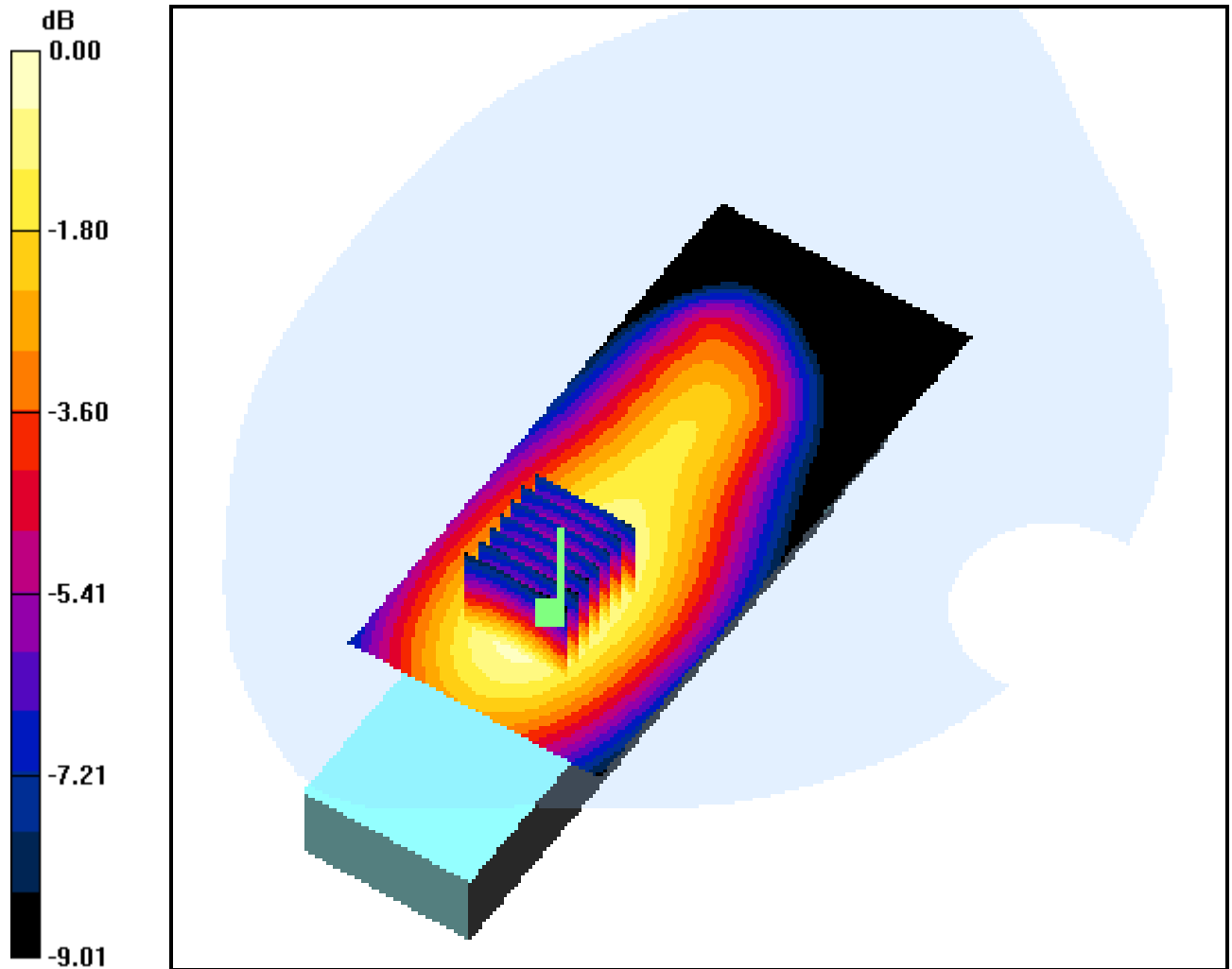
**Area Scan (51x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.069 dB

Peak SAR (extrapolated) = 0.456 W/kg

**SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.251 mW/g**



0 dB = 0.368mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: Bar Type**

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

Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 54.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

**8mm from Body, GSM850 Ch.251, Ant Fixed, Standard Battery**

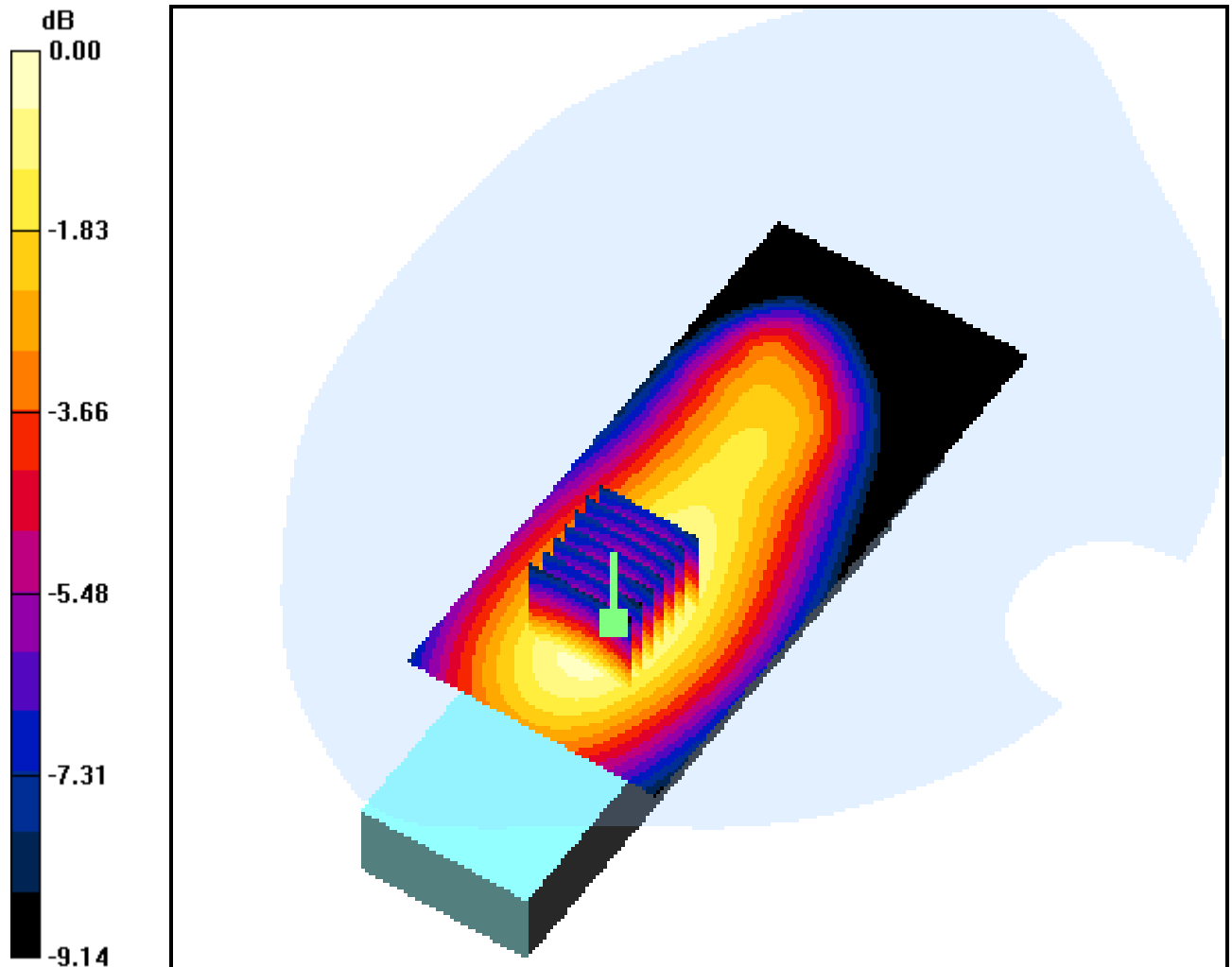
**Area Scan (51x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.428 W/kg

**SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.236 mW/g**



0 dB = 0.345mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.881 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Left Touch, GSM850 Ch.128, Ant Fixed, Standard Battery**

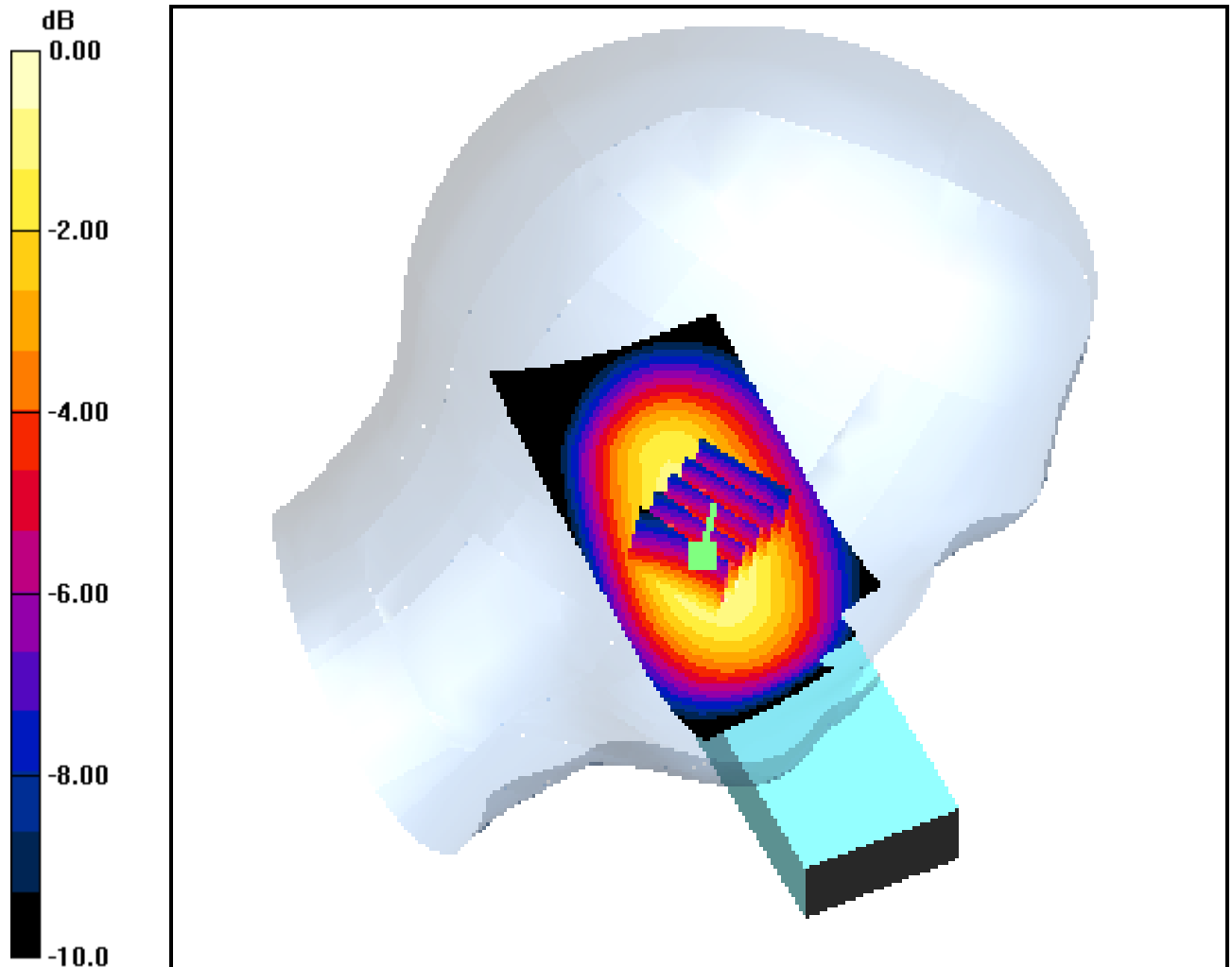
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.356 mW/g**



0 dB = 0.526mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.893 \text{ mho/m}$ ;  $\epsilon_r = 41.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Left Touch, GSM850 Ch.190, Ant Fixed, Standard Battery**

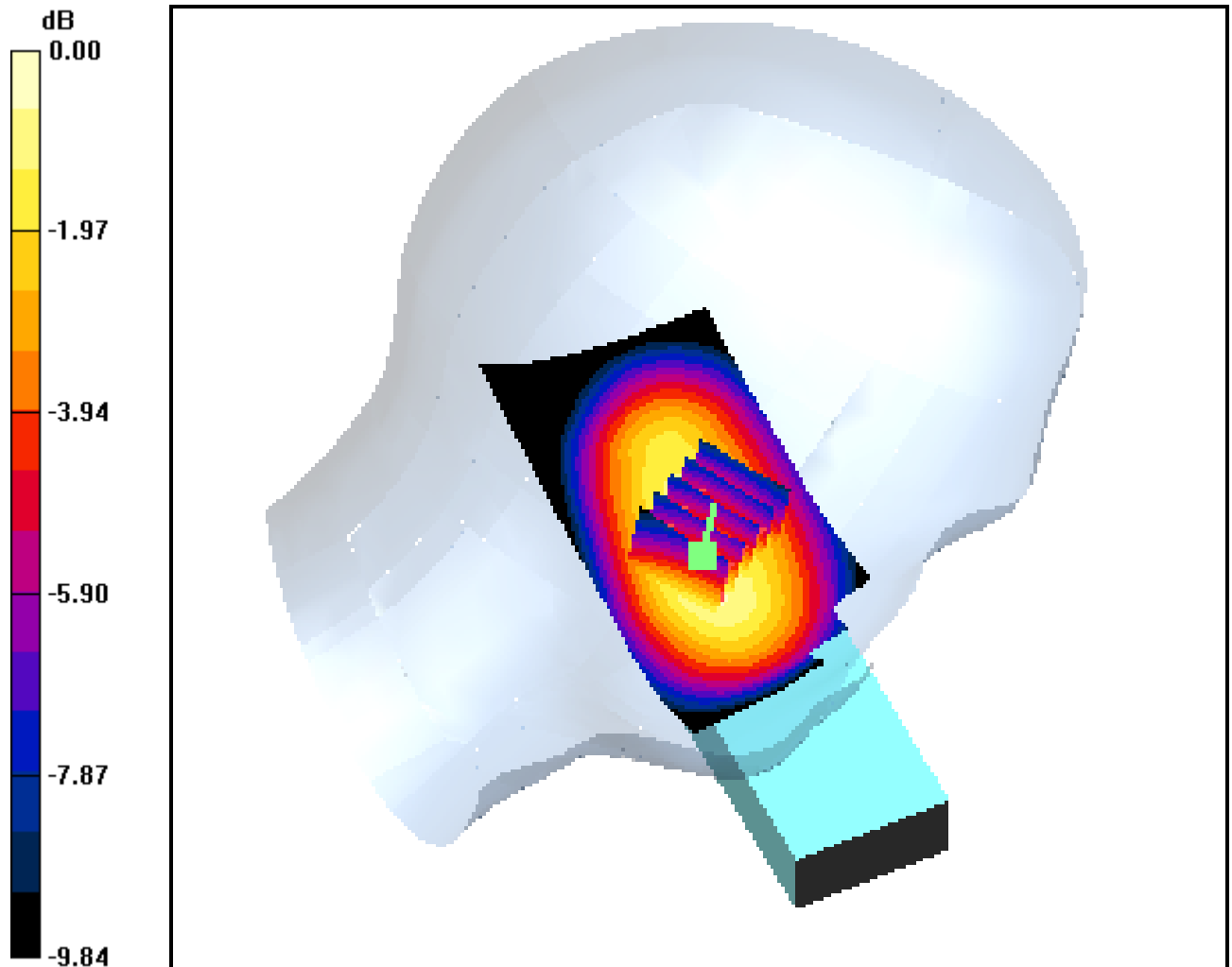
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.081 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.380 mW/g**



0 dB = 0.570mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.901 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Left Touch, GSM850 Ch.251, Ant Fixed, Standard Battery**

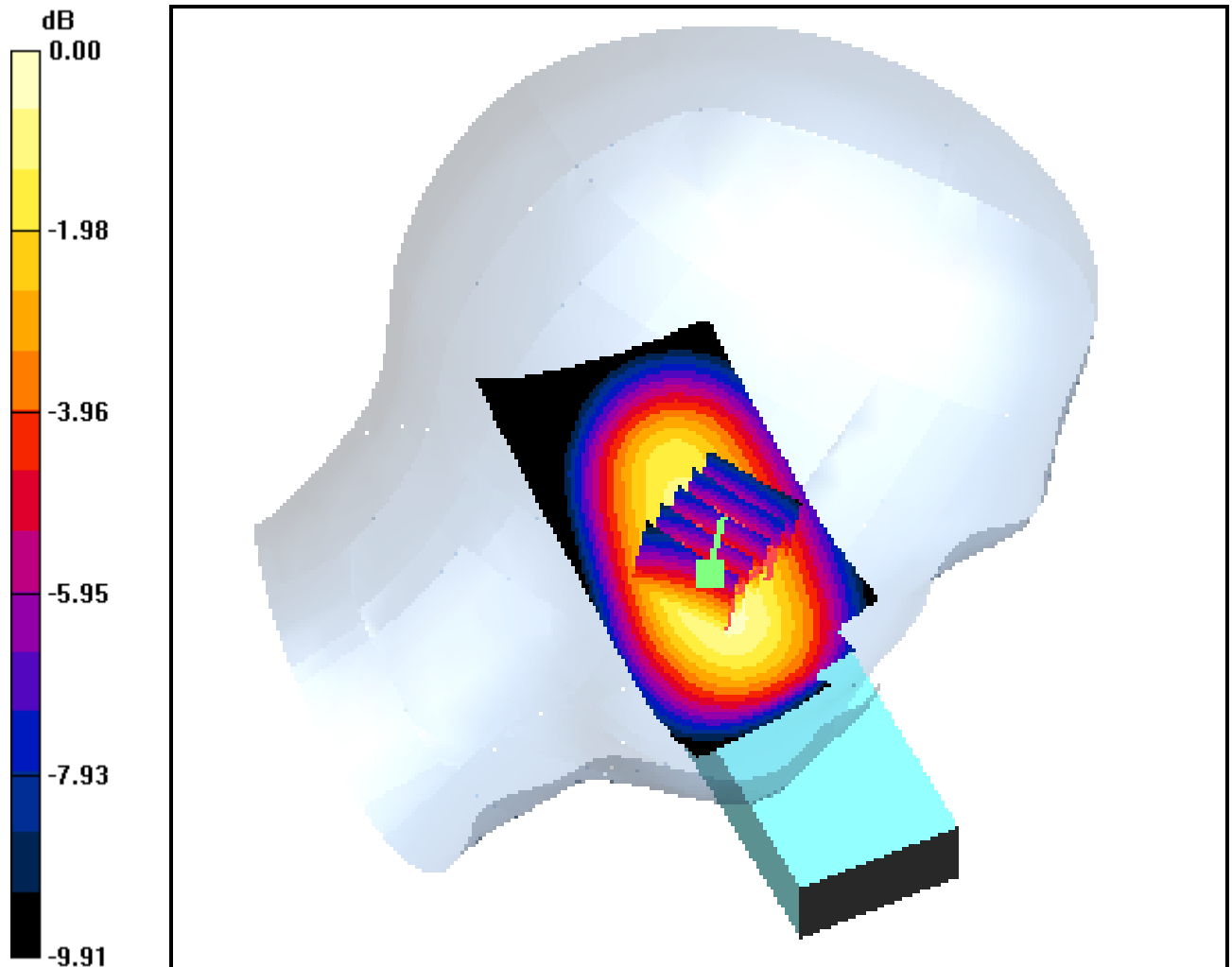
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.079 dB

Peak SAR (extrapolated) = 0.671 W/kg

**SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.359 mW/g**



0 dB = 0.532mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.881 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Left Tilt, GSM850 Ch.128, Ant Fixed, Standard Battery**

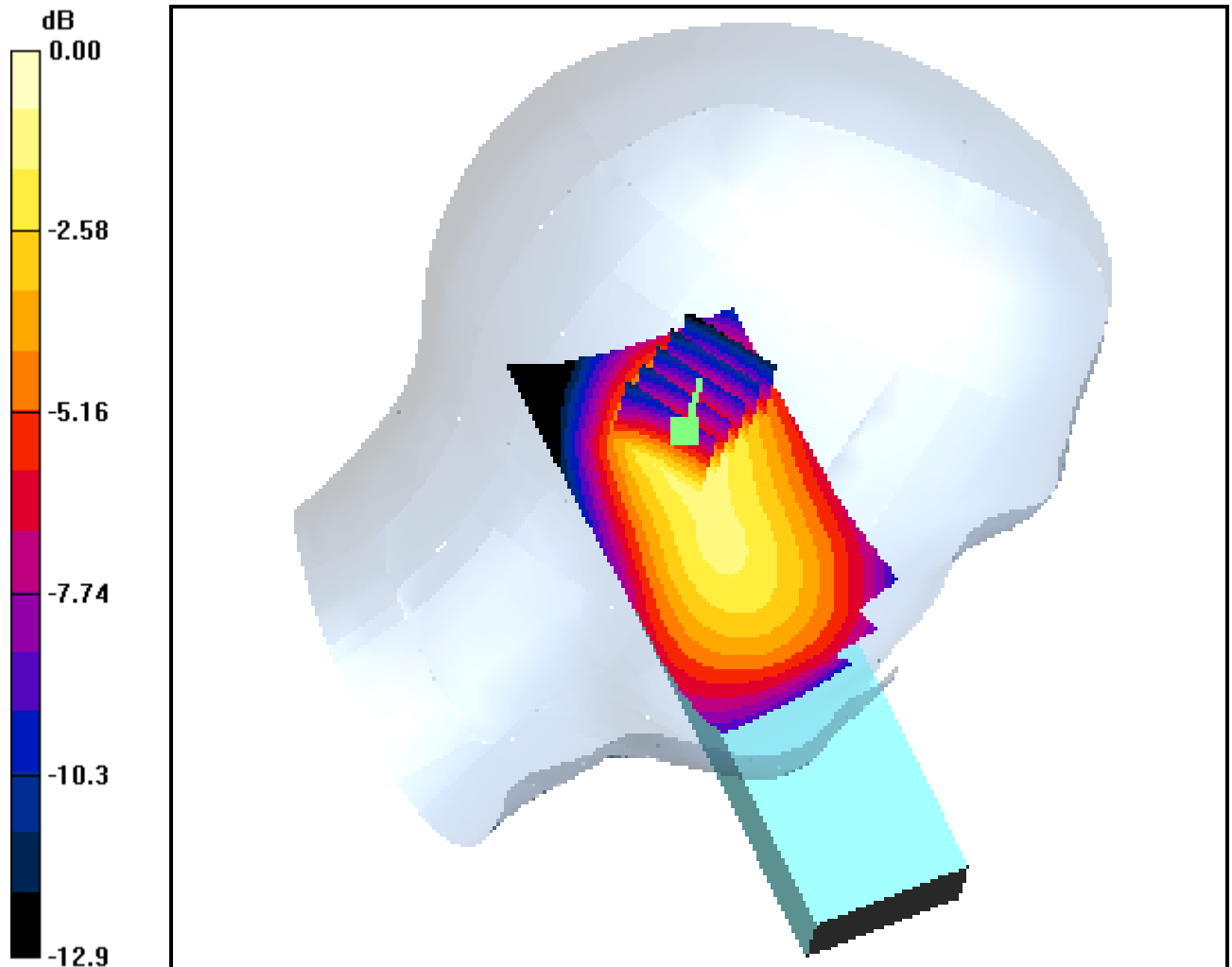
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.416 W/kg

**SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.160 mW/g**



0 dB = 0.284mW/g



# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.893 \text{ mho/m}$ ;  $\epsilon_r = 41.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

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

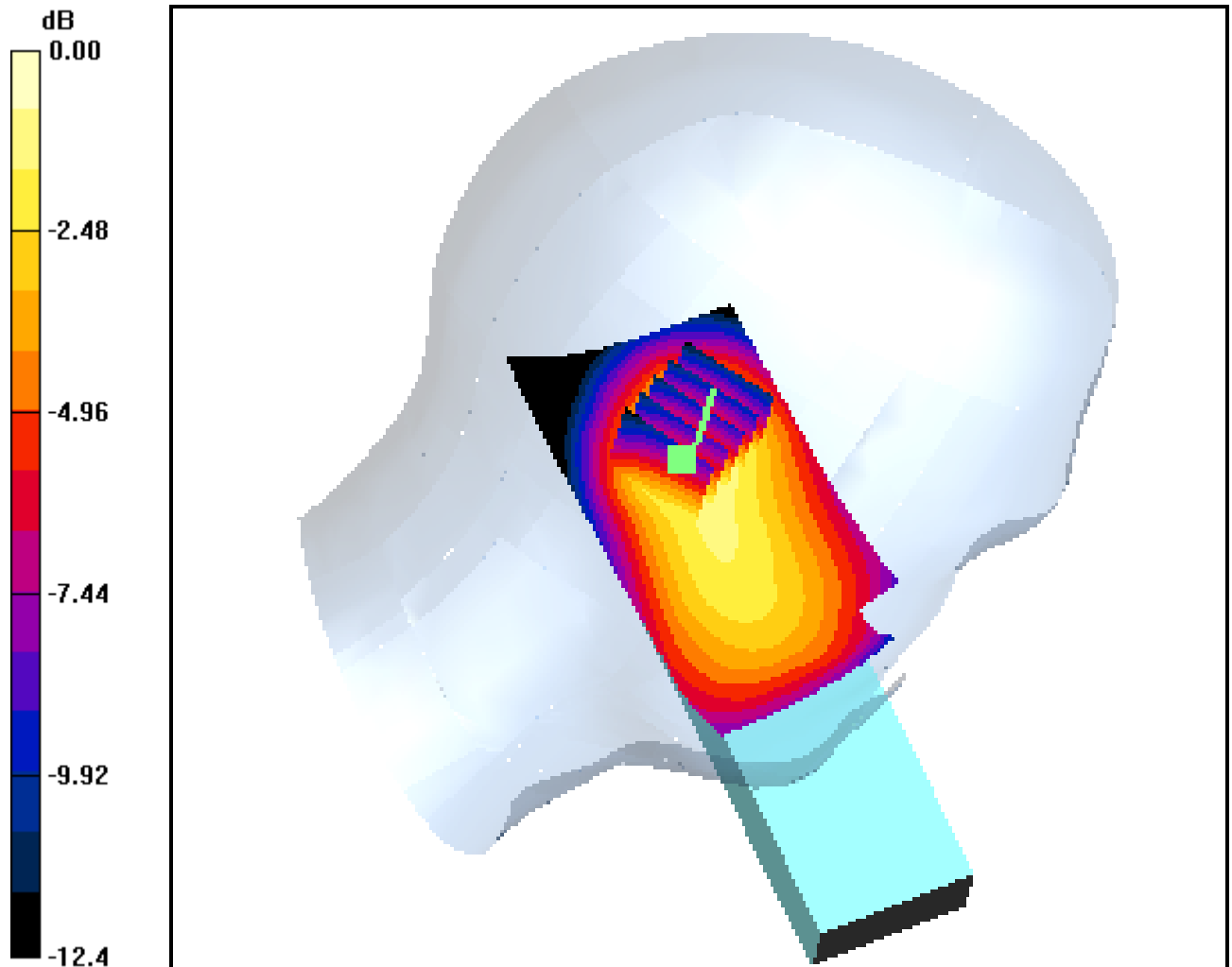
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.110 dB

Peak SAR (extrapolated) = 0.420 W/kg

**SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.174 mW/g**



0 dB = 0.296mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.901 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Left Tilt, GSM850 Ch.251, Ant Fixed, Standard Battery**

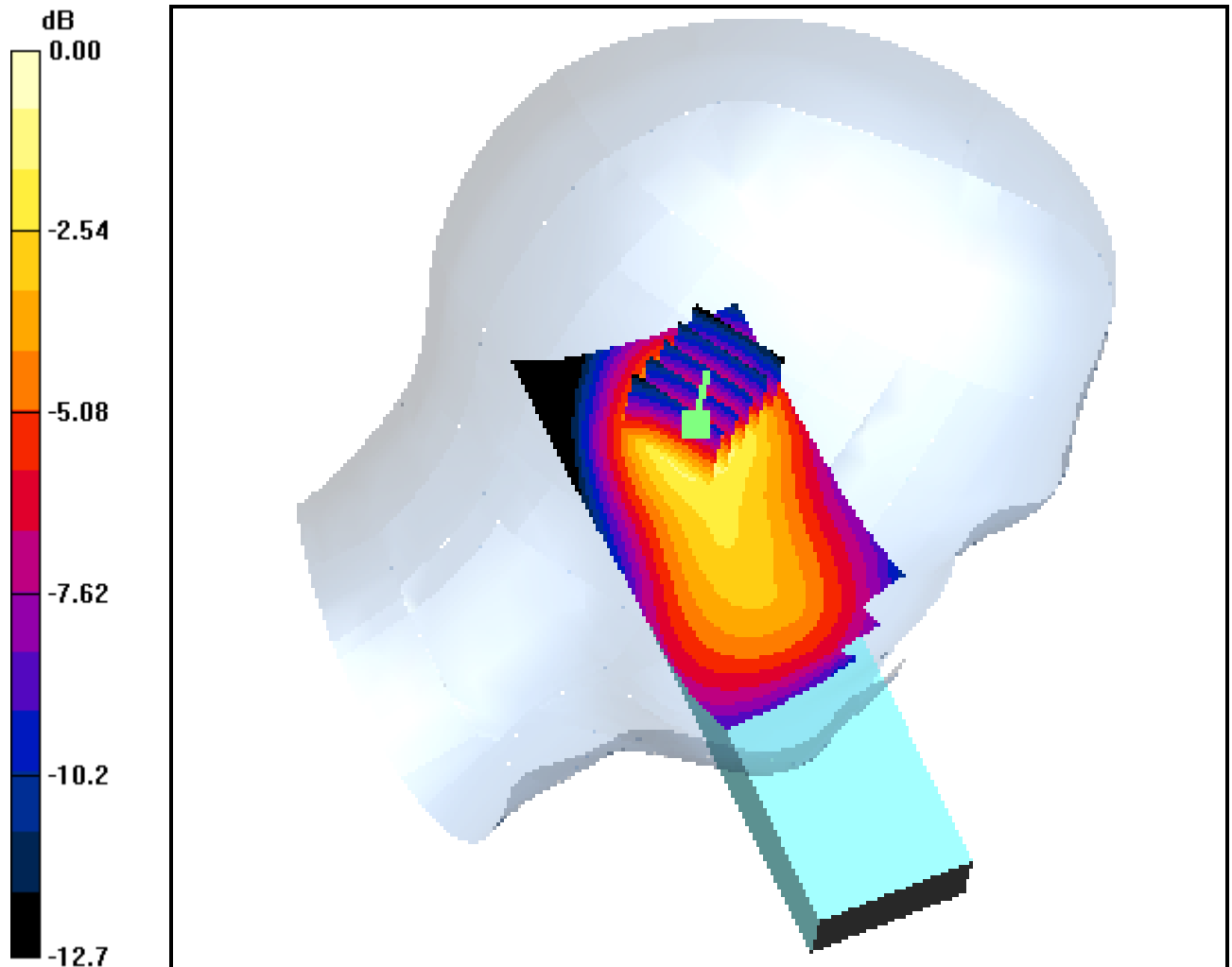
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.461 W/kg

**SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.176 mW/g**



0 dB = 0.316mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.881 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Right Touch, GSM850 Ch.128, Ant Fixed, Standard Battery**

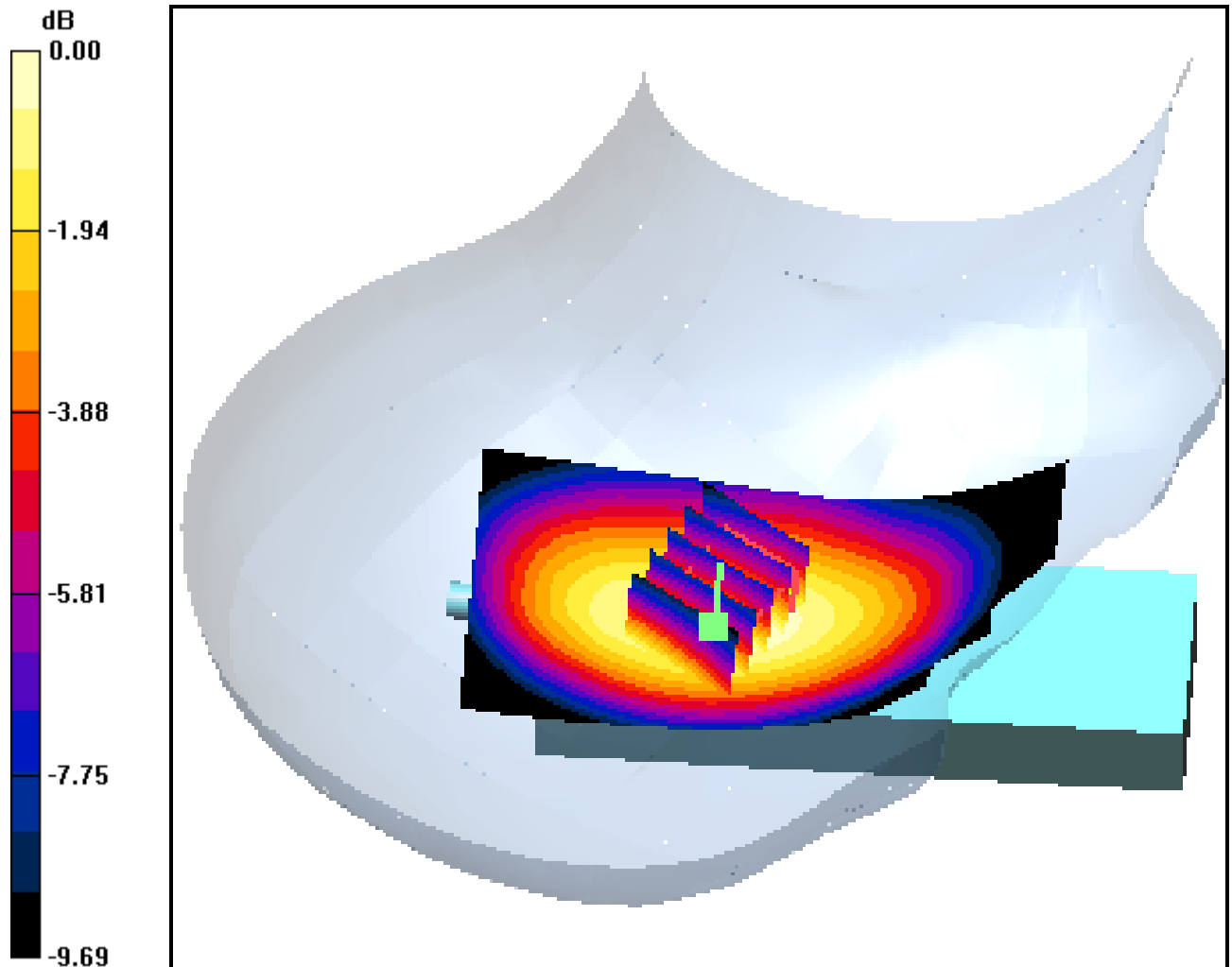
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.022 dB

Peak SAR (extrapolated) = 0.617 W/kg

**SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.332 mW/g**



0 dB = 0.489mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.893 \text{ mho/m}$ ;  $\epsilon_r = 41.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

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

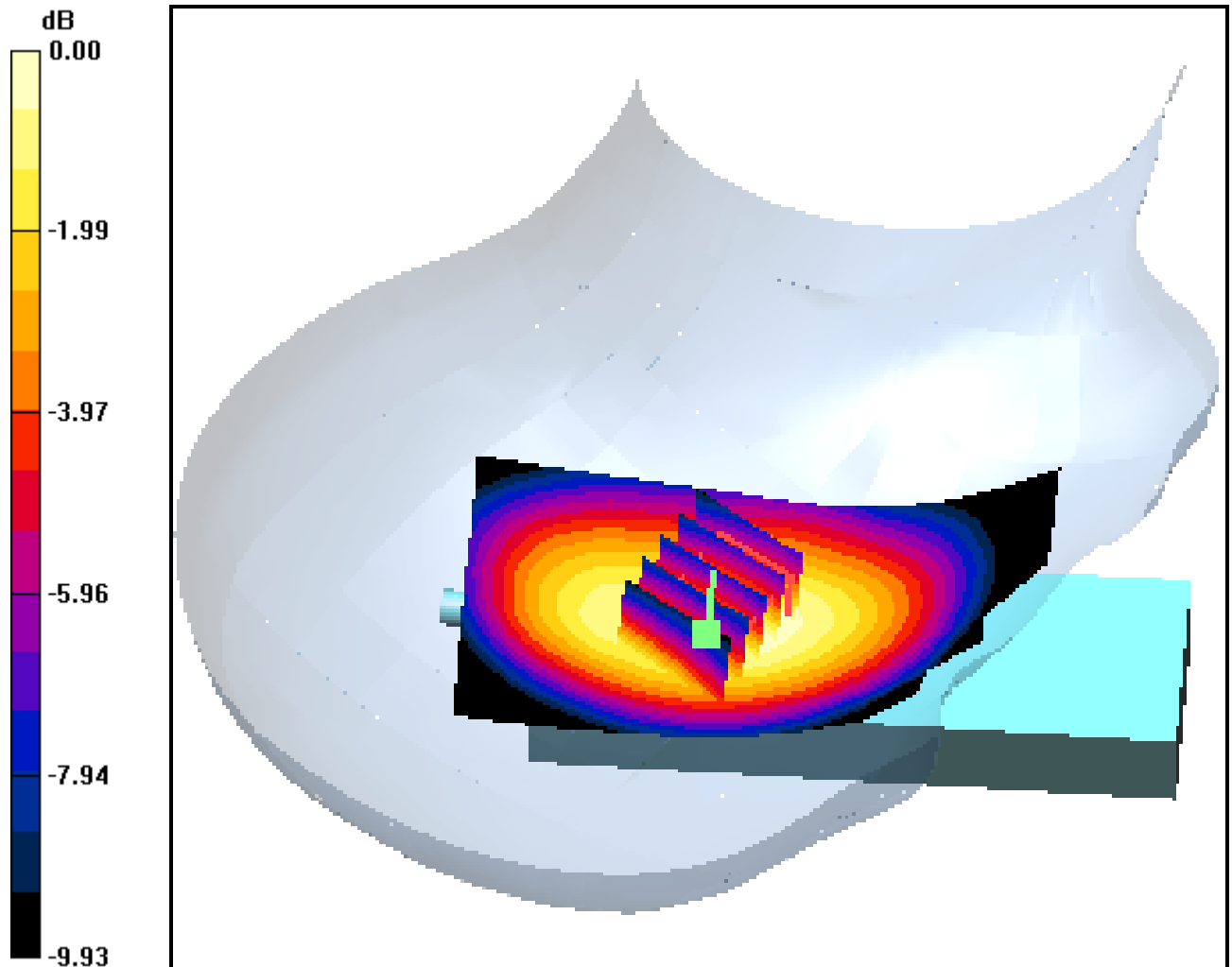
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.059 dB

Peak SAR (extrapolated) = 0.720 W/kg

**SAR(1 g) = 0.551 mW/g; SAR(10 g) = 0.391 mW/g**



0 dB = 0.572mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.901 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Right Touch, GSM850 Ch.251, Ant Fixed, Standard Battery**

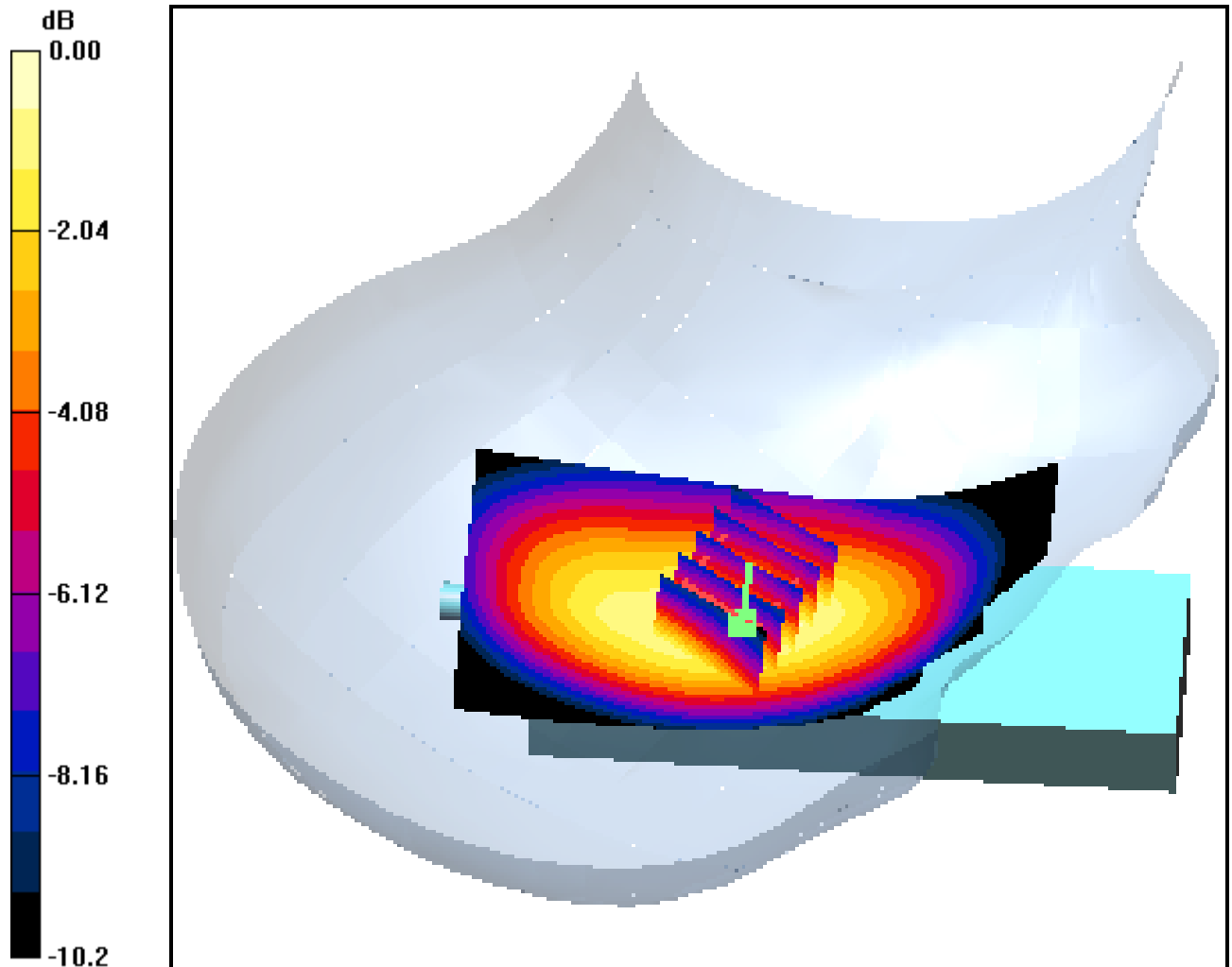
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.070 dB

Peak SAR (extrapolated) = 0.652 W/kg

**SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.352 mW/g**



0 dB = 0.530mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 824.2 \text{ MHz}$ ;  $\sigma = 0.881 \text{ mho/m}$ ;  $\epsilon_r = 41.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Right Tilt, GSM850 Ch.128, Ant Fixed, Standard Battery**

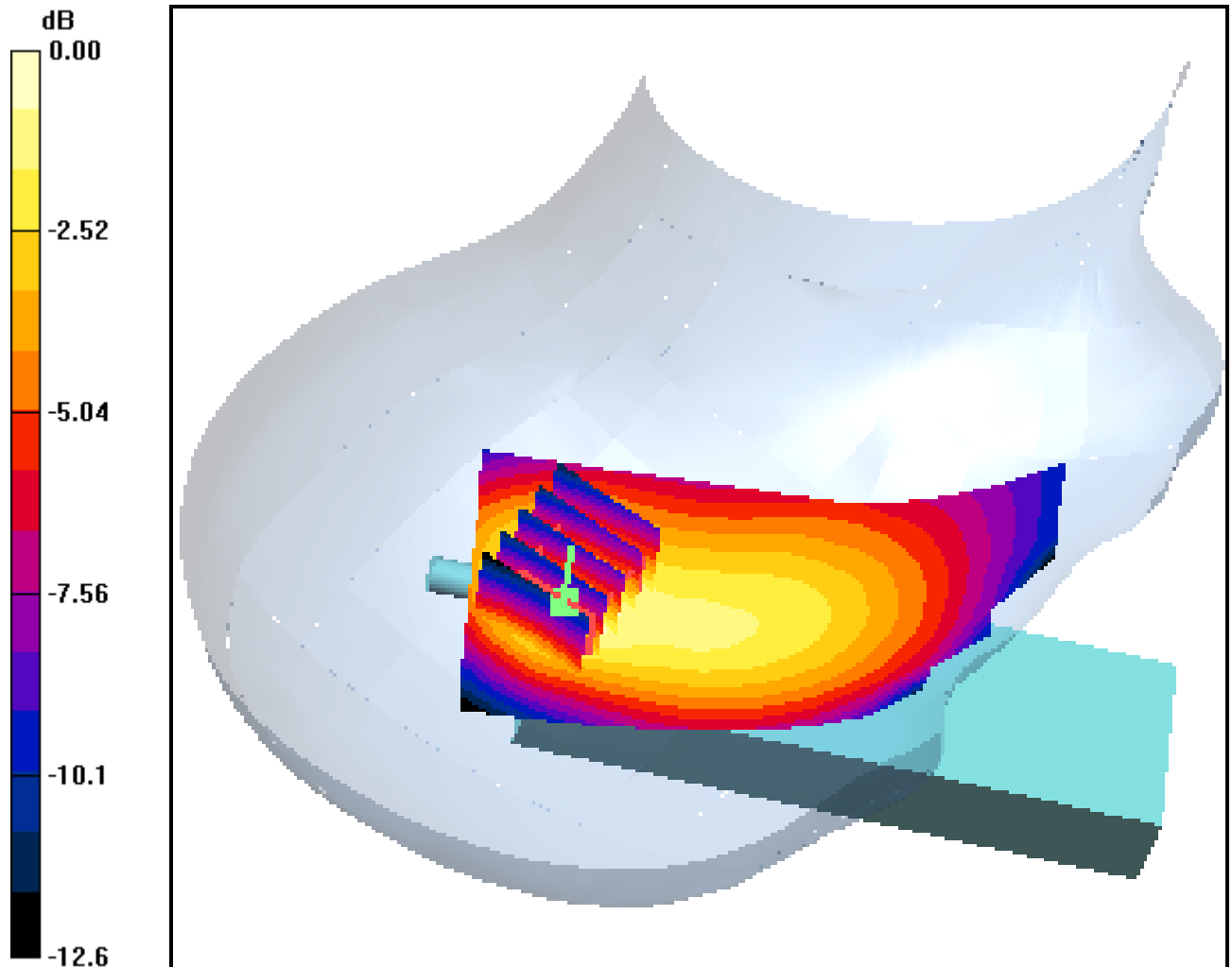
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.064 dB

Peak SAR (extrapolated) = 0.335 W/kg

**SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.140 mW/g**



0 dB = 0.237mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 836.6 \text{ MHz}$ ;  $\sigma = 0.893 \text{ mho/m}$ ;  $\epsilon_r = 41.5$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

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

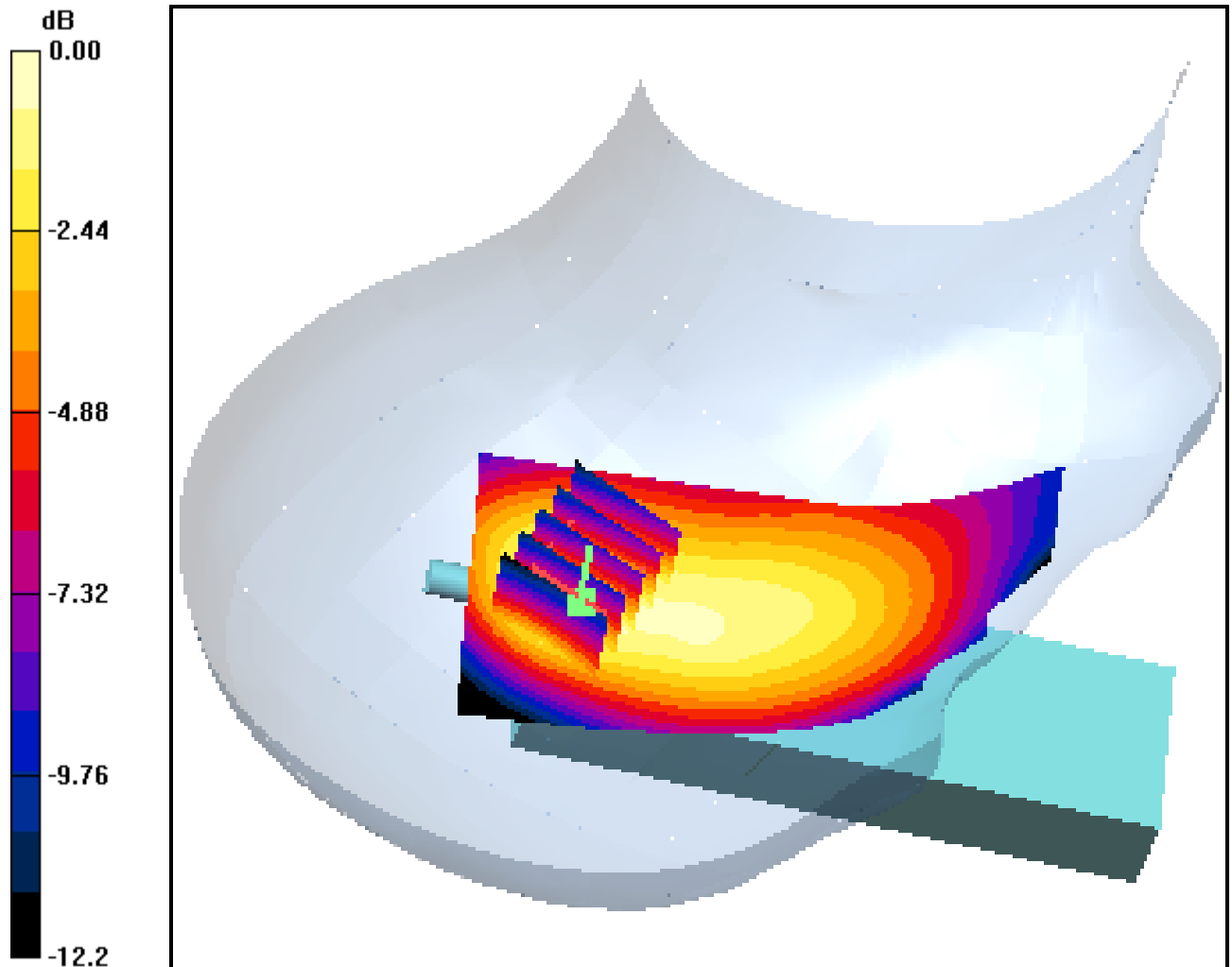
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.056 dB

Peak SAR (extrapolated) = 0.409 W/kg

**SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.179 mW/g**



0 dB = 0.288mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR type**

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

Medium parameters used:  $f = 848.8 \text{ MHz}$ ;  $\sigma = 0.901 \text{ mho/m}$ ;  $\epsilon_r = 41.3$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(6.51, 6.51, 6.51); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

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

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-05; Ambient Temp: 22.0; Tissue Temp: 21.7

## **Right Tilt, GSM850 Ch.251, Ant Fixed, Standard Battery**

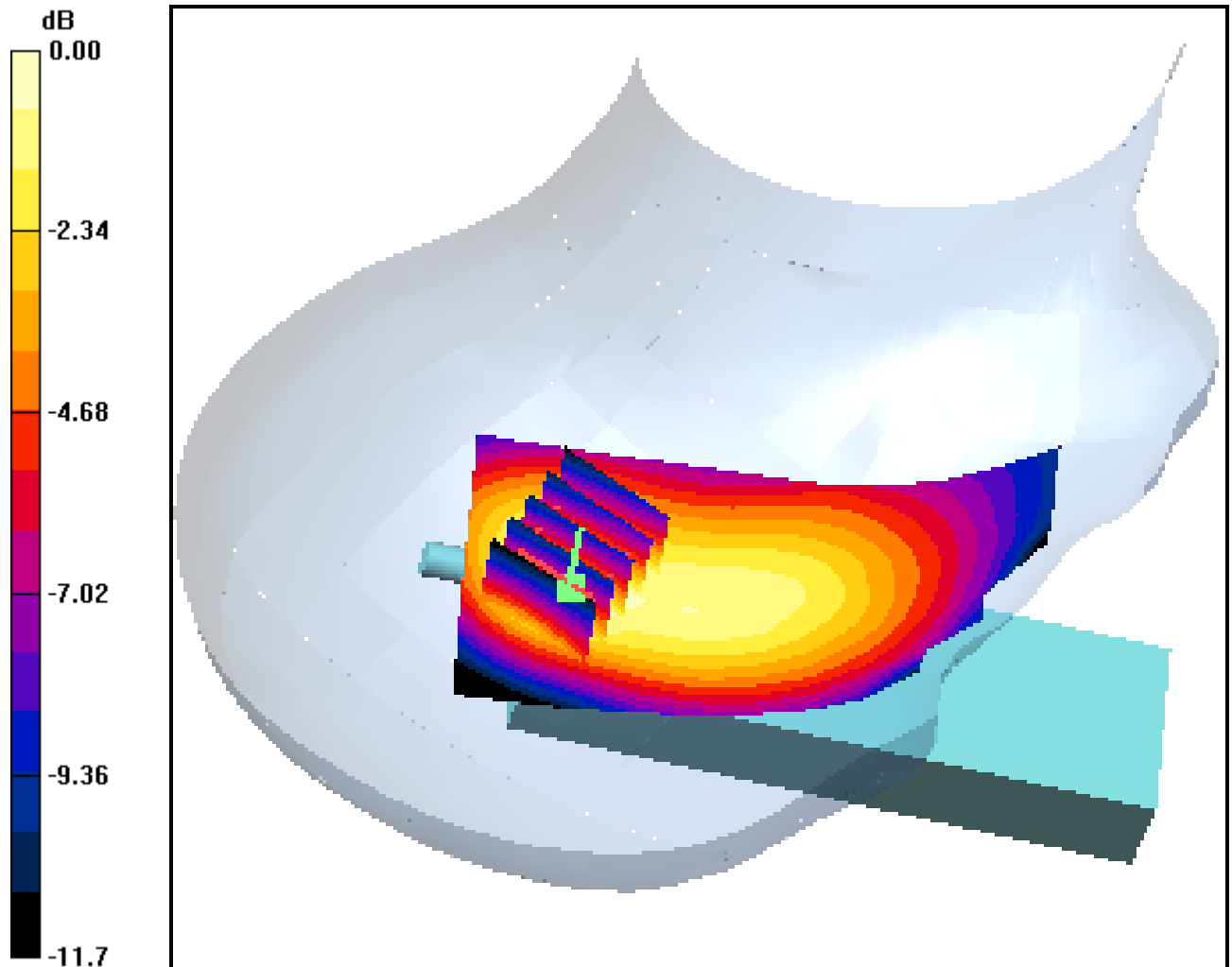
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.100 dB

Peak SAR (extrapolated) = 0.393 W/kg

**SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.166 mW/g**



0 dB = 0.275mW/g



# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: Bar Type**

Communication System: PCS 1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.47 \text{ mho/m}$ ;  $\epsilon_r = 54.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**8mm from Body, PCS Ch.512, Ant Fixed, Standard Battery**

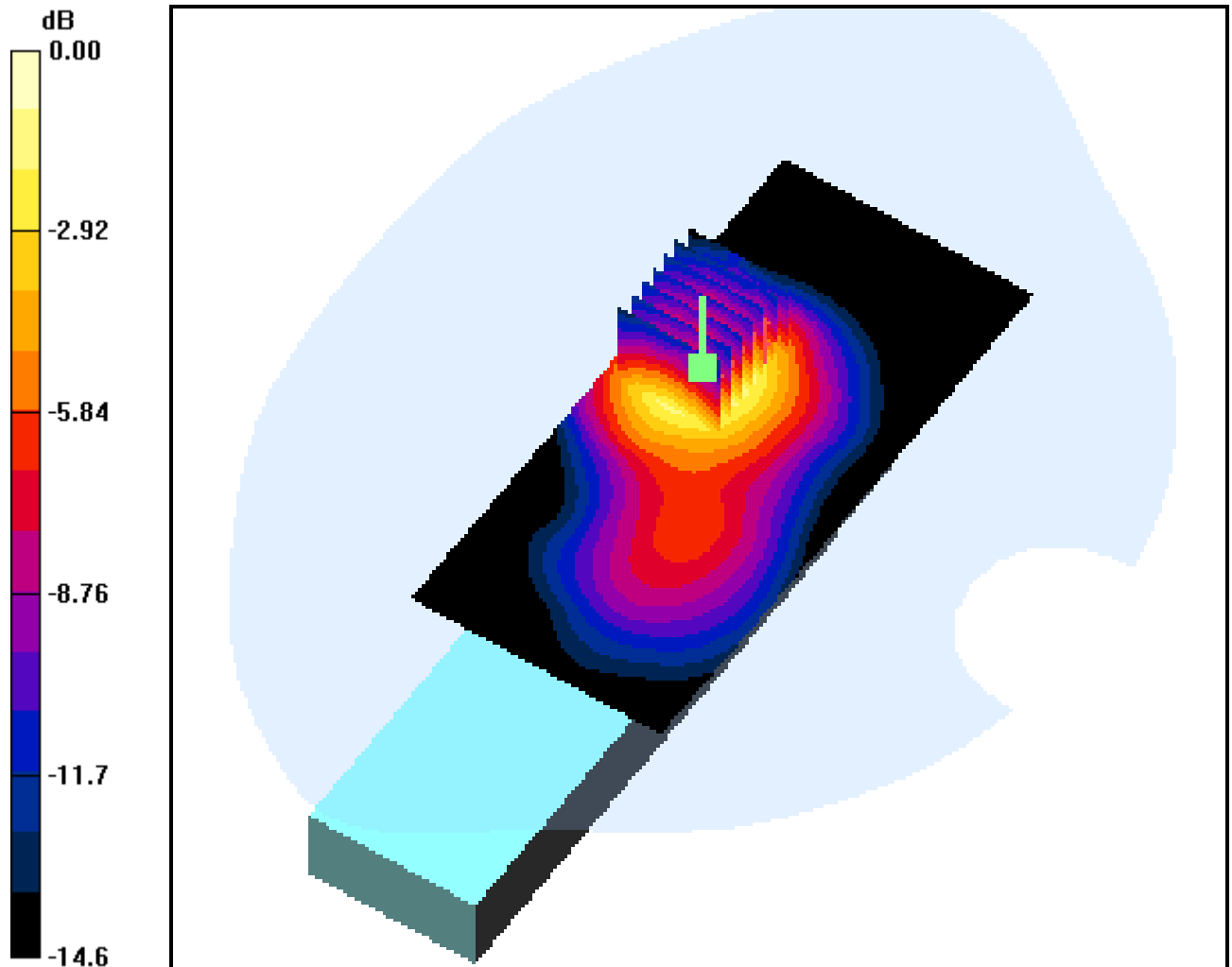
**Area Scan (51x111x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.055 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.507 mW/g**



0 dB = 0.939mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: Bar Type**

Communication System: PCS 1900; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.48 \text{ mho/m}$ ;  $\epsilon_r = 54.1$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**8mm from Body, PCS Ch.661, Ant Fixed, Standard Battery**

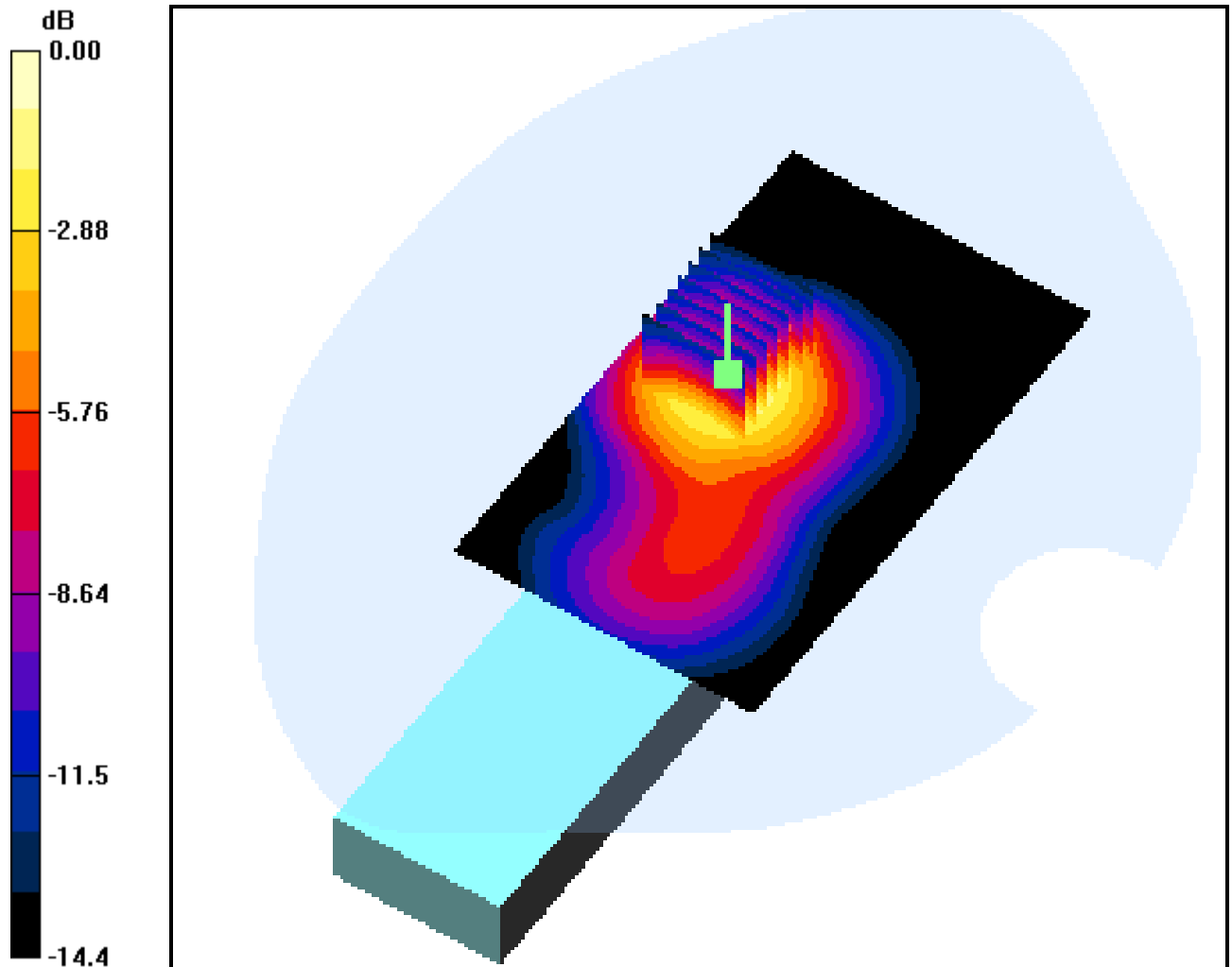
**Area Scan (61x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.024 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.753 mW/g; SAR(10 g) = 0.451 mW/g**



0 dB = 0.828mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: Bar Type**

Communication System: PCS 1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium parameters used (interpolated):  $f = 1909.8$  MHz;  $\sigma = 1.52$  mho/m;  $\epsilon_r = 53.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(4.81, 4.81, 4.81); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Test Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**8mm from Body, PCS Ch.810, Ant Fixed, Standard Battery**

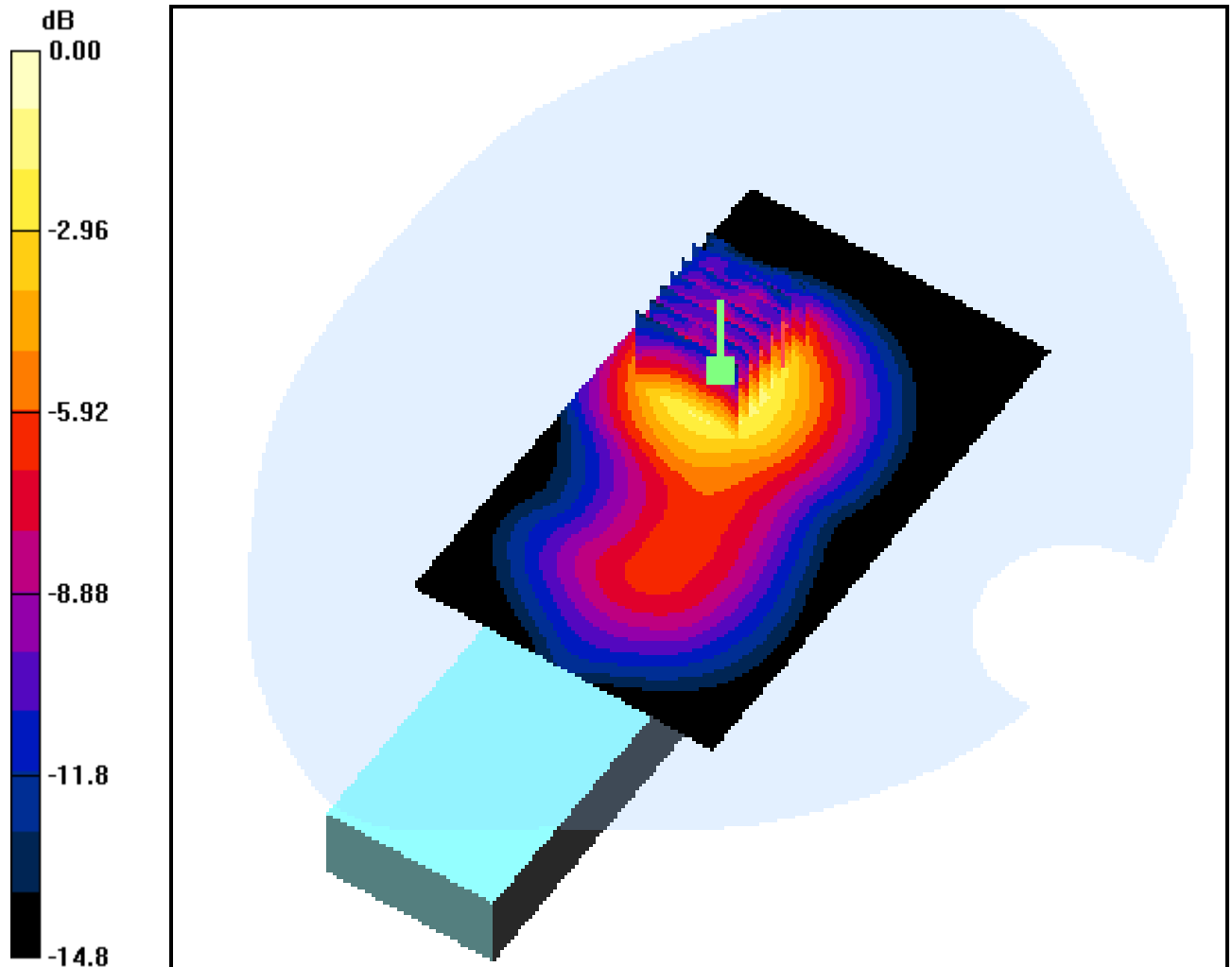
**Area Scan (61x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.043 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.345 mW/g**



0 dB = 0.635mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

## **Left Touch, PCS Ch.512, Ant Fixed, Standard Battery**

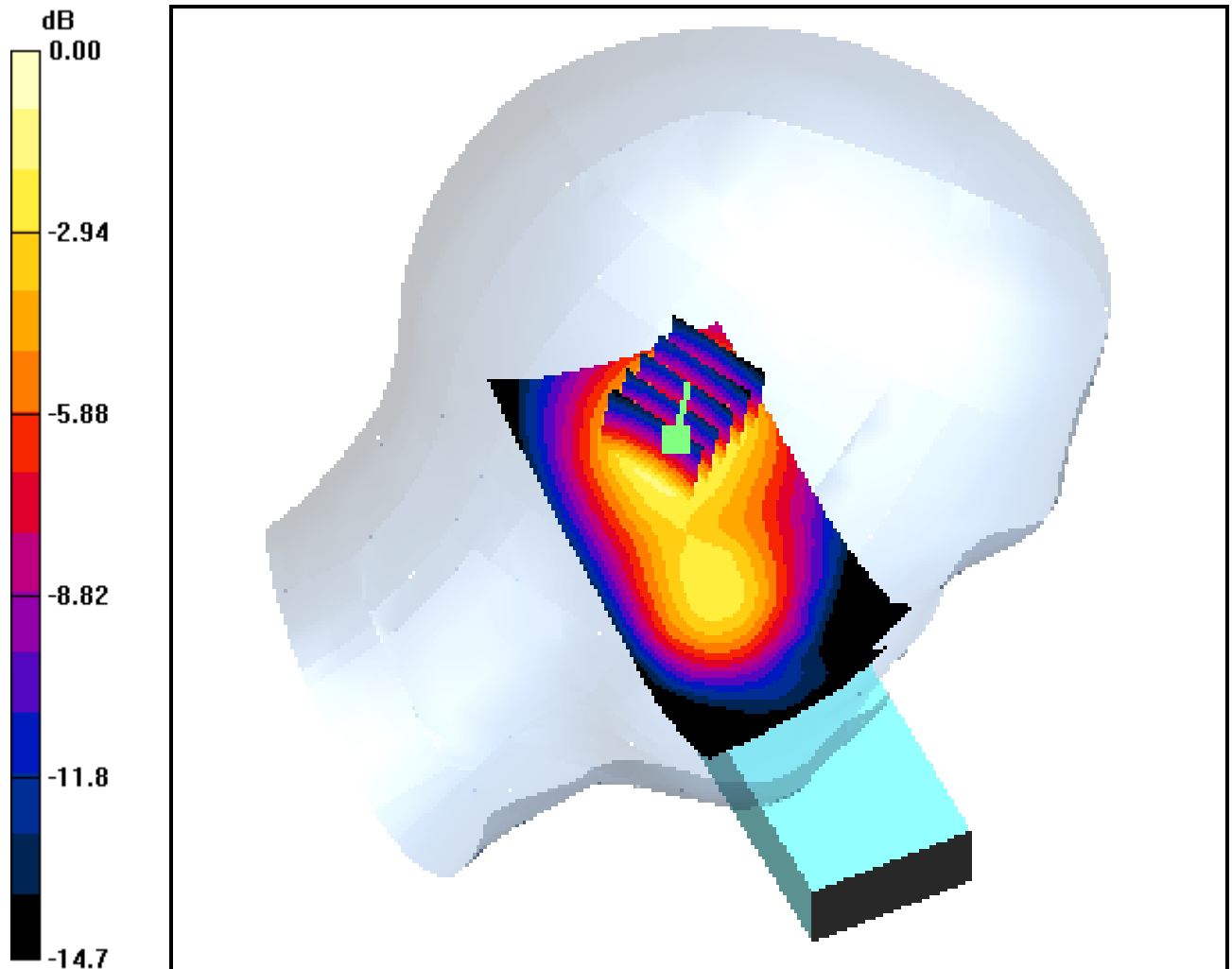
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.996 W/kg

**SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.377 mW/g**



0 dB = 0.687mW/g

# **DIGITAL EMC CO., LTD**

**DUT: FGD-8900; Type: BAR Type**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Left Touch, PCS Ch.661, Ant Fixed, Standard Battery**

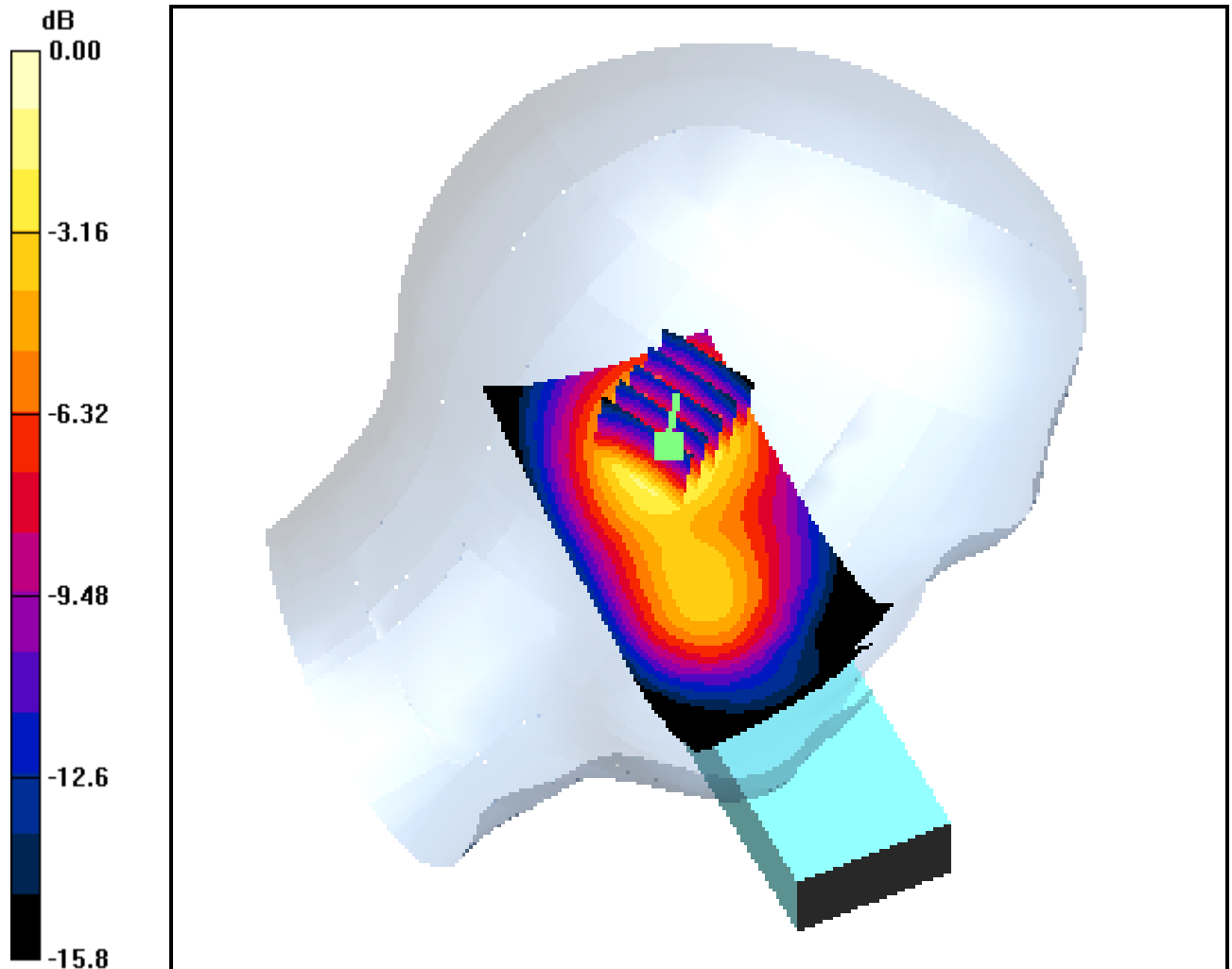
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.054 dB

Peak SAR (extrapolated) = 1.17 W/kg

**SAR(1 g) = 0.715 mW/g; SAR(10 g) = 0.413 mW/g**



0 dB = 0.784mW/g

# **DIGITAL EMC CO., LTD**

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.46 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

## **Left Touch, PCS Ch.810, Ant Fixed, Standard Battery**

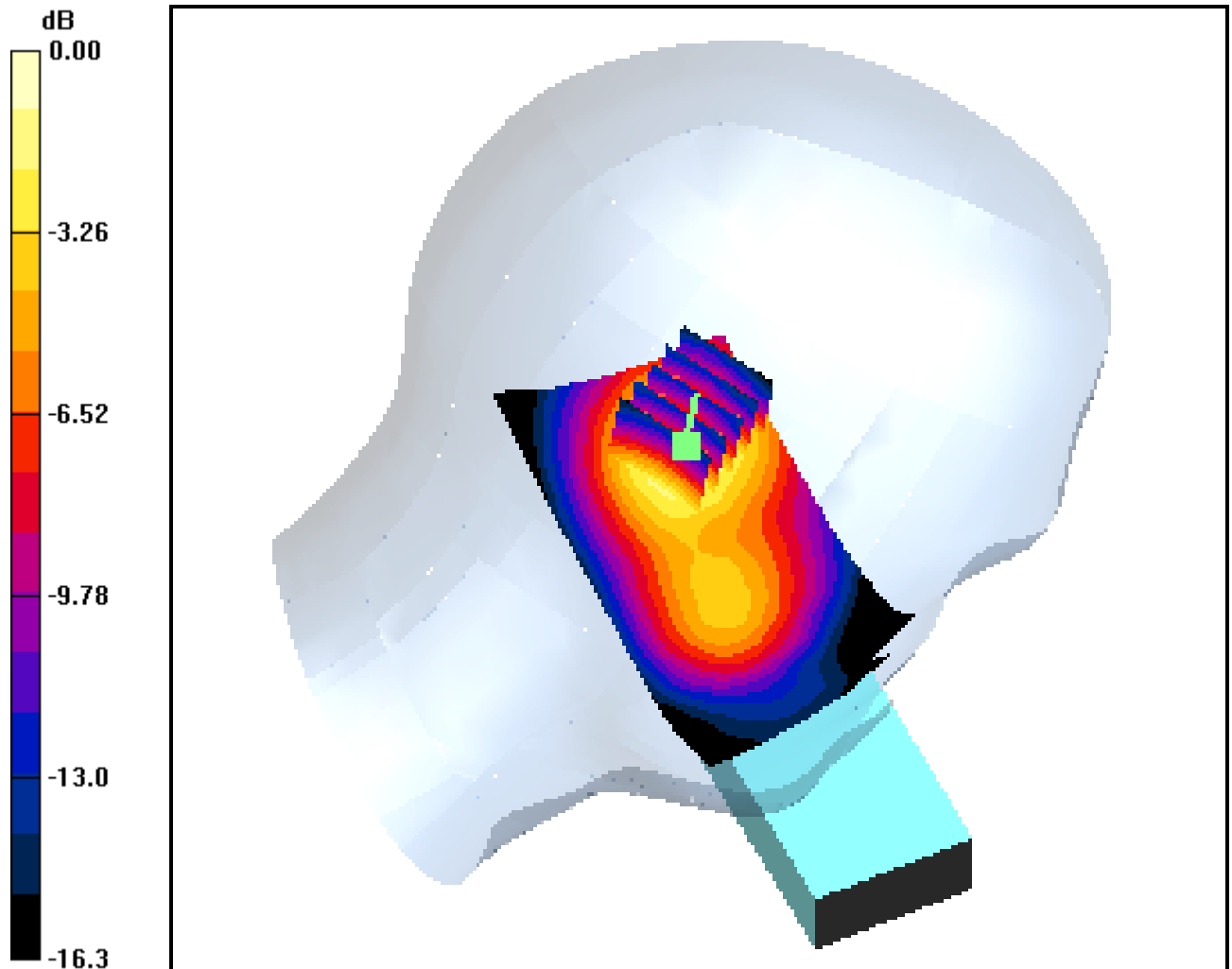
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.045 dB

Peak SAR (extrapolated) = 0.958 W/kg

**SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.328 mW/g**



0 dB = 0.637mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

## **Left Tilt, PCS Ch.512, Ant Fixed, Standard Battery**

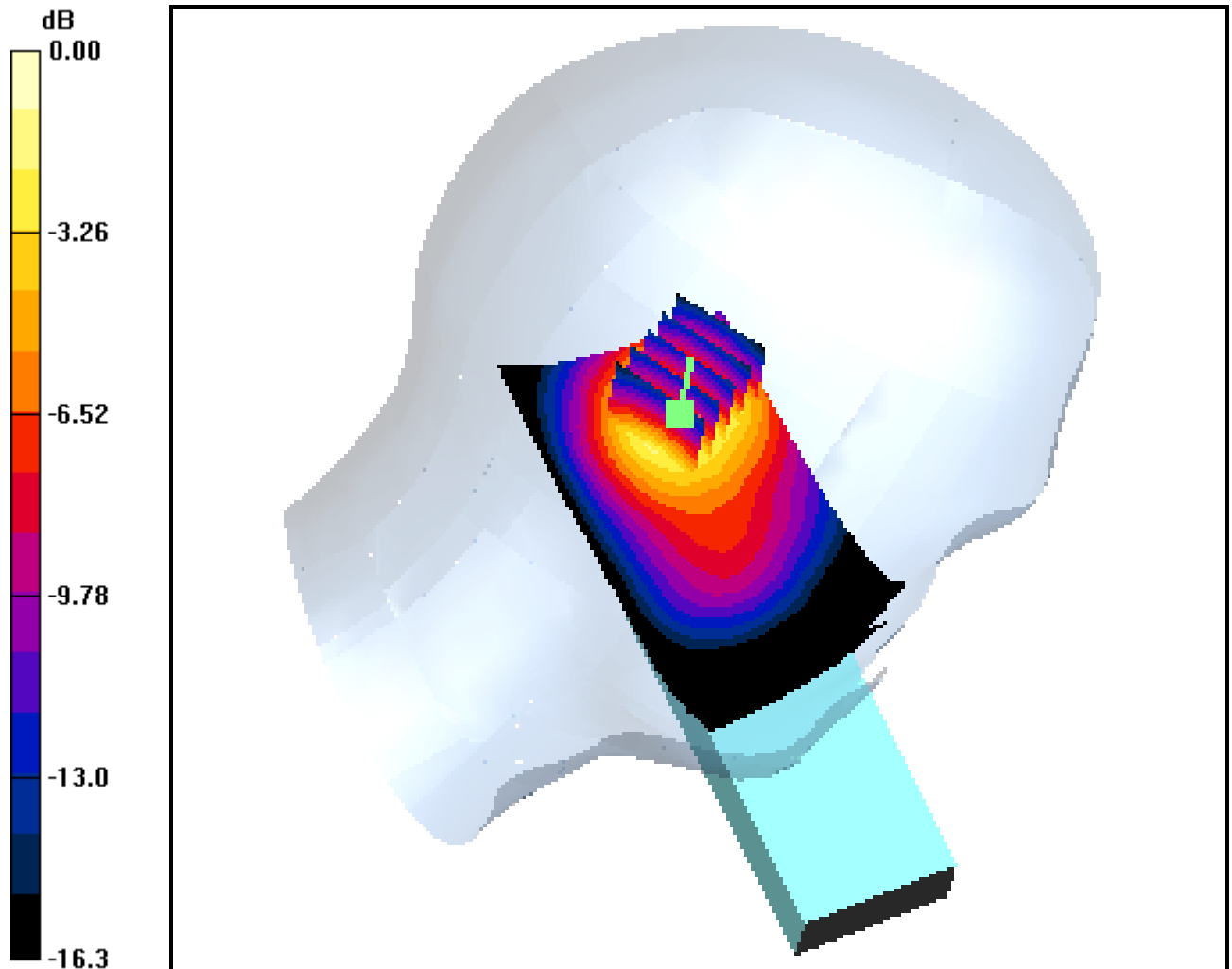
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.067 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 1 mW/g; SAR(10 g) = 0.574 mW/g**



0 dB = 1.09mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Left Tilt, PCS Ch.661, Ant Fixed, Standard Battery**

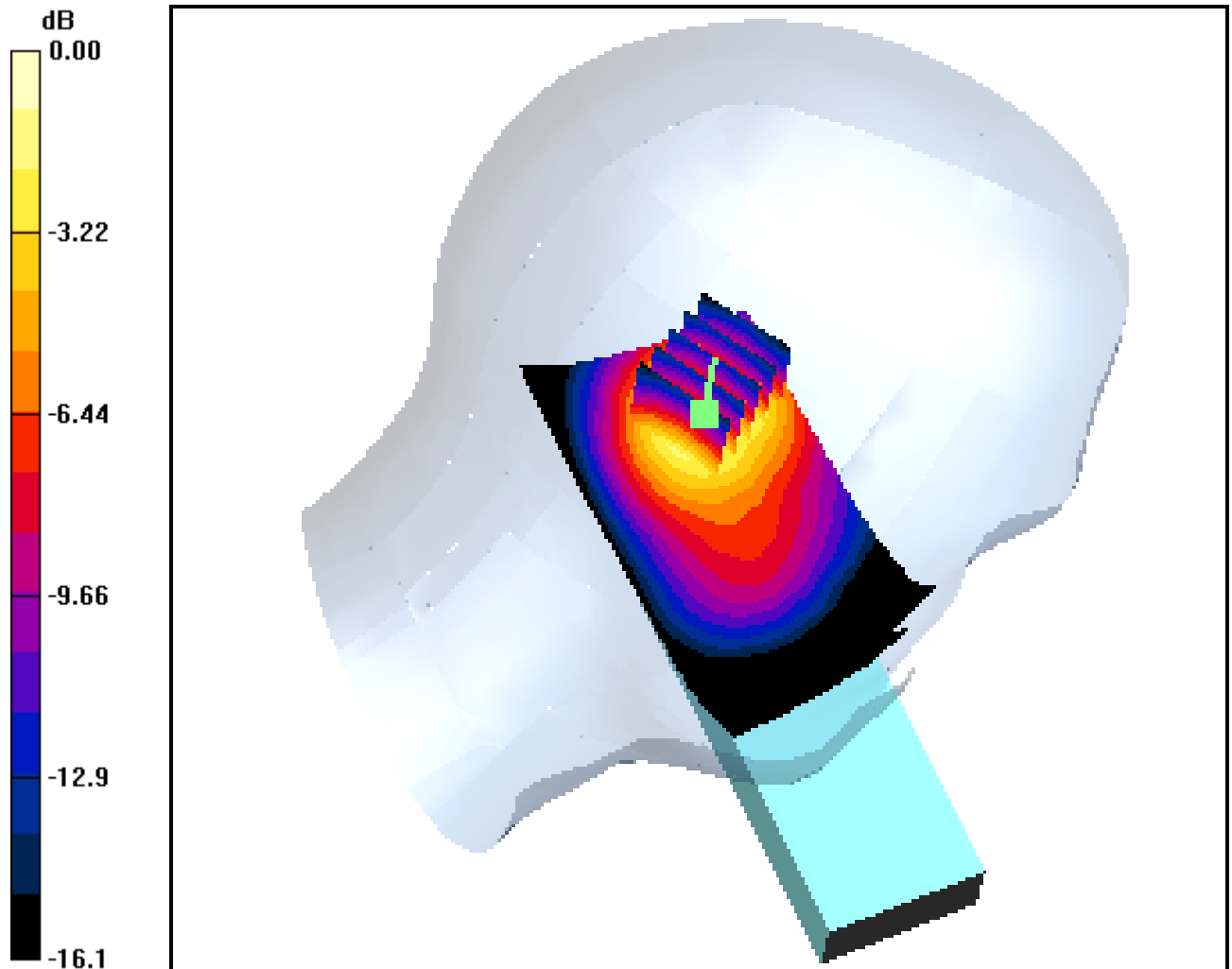
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.052 dB

Peak SAR (extrapolated) = 1.52 W/kg

**SAR(1 g) = 0.936 mW/g; SAR(10 g) = 0.533 mW/g**



0 dB = 1.02mW/g



# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.46 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Left Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Left Tilt, PCS Ch.810, Ant Fixed, Standard Battery**

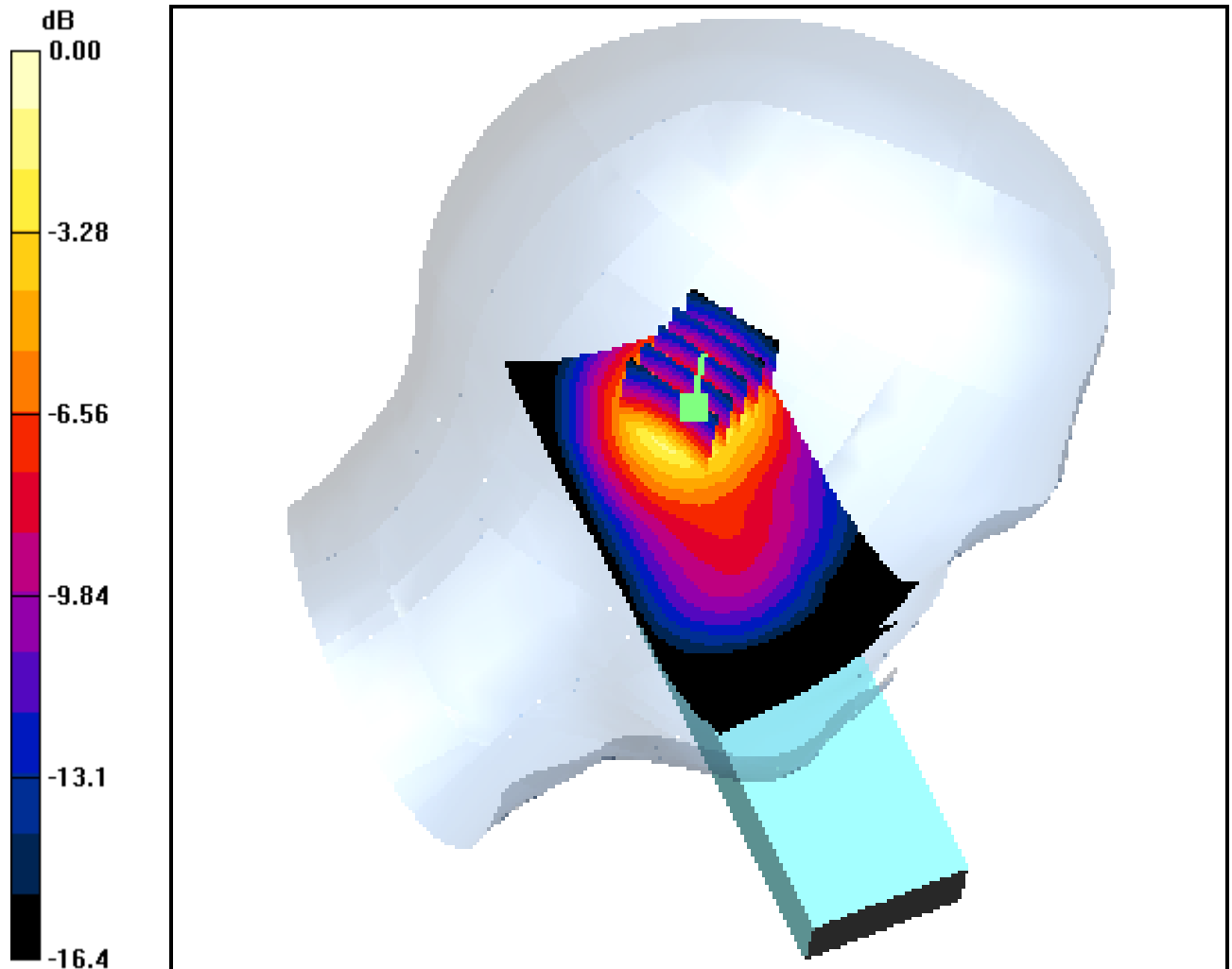
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.026 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.434 mW/g**



0 dB = 0.859mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.4 \text{ mho/m}$ ;  $\epsilon_r = 39.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Right Touch, PCS Ch.512, Ant Fixed, Standard Battery**

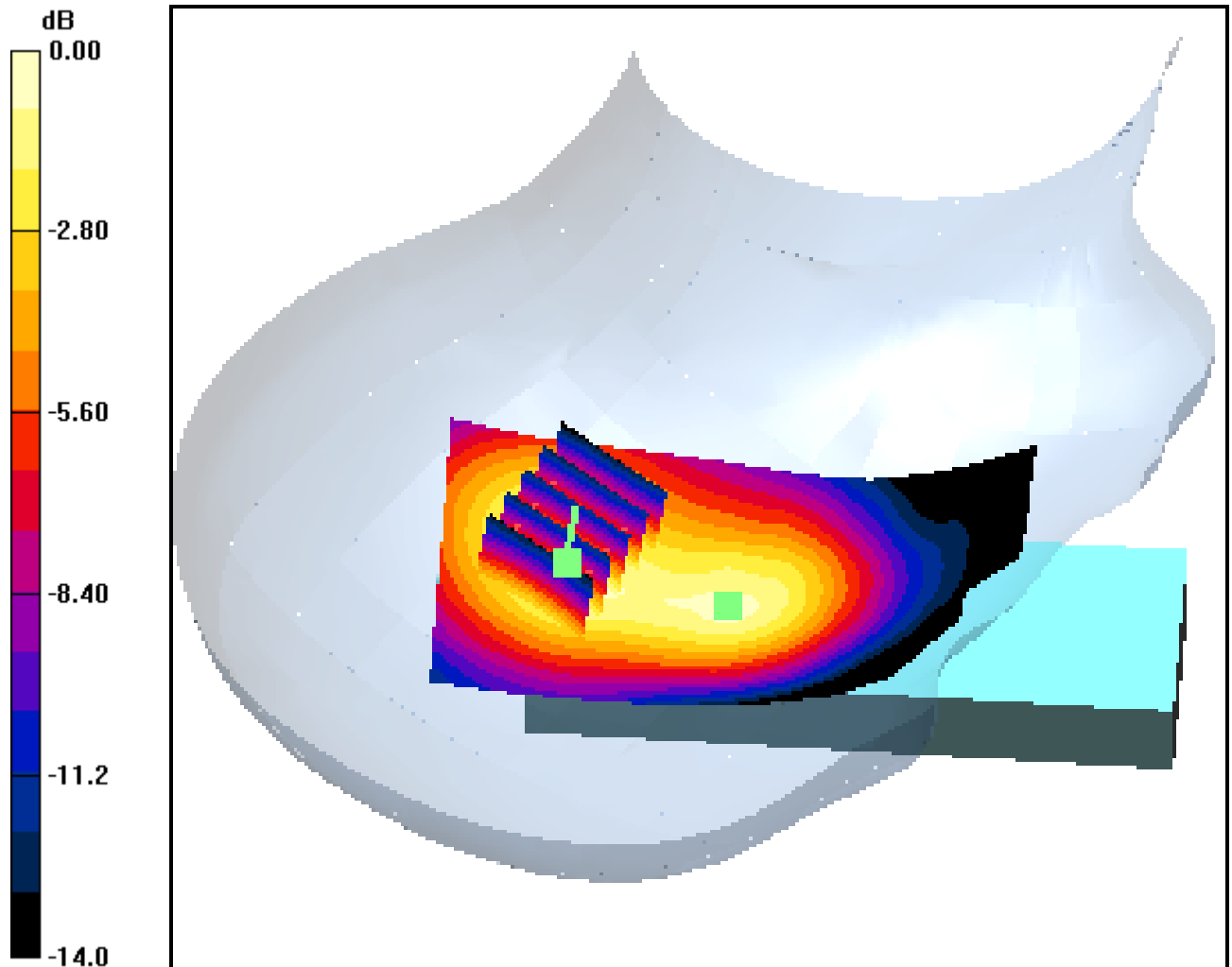
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.813 W/kg

**SAR(1 g) = 0.531 mW/g; SAR(10 g) = 0.325 mW/g**



0 dB = 0.580mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

## **Right Touch, PCS Ch.661, Ant Fixed, Standard Battery**

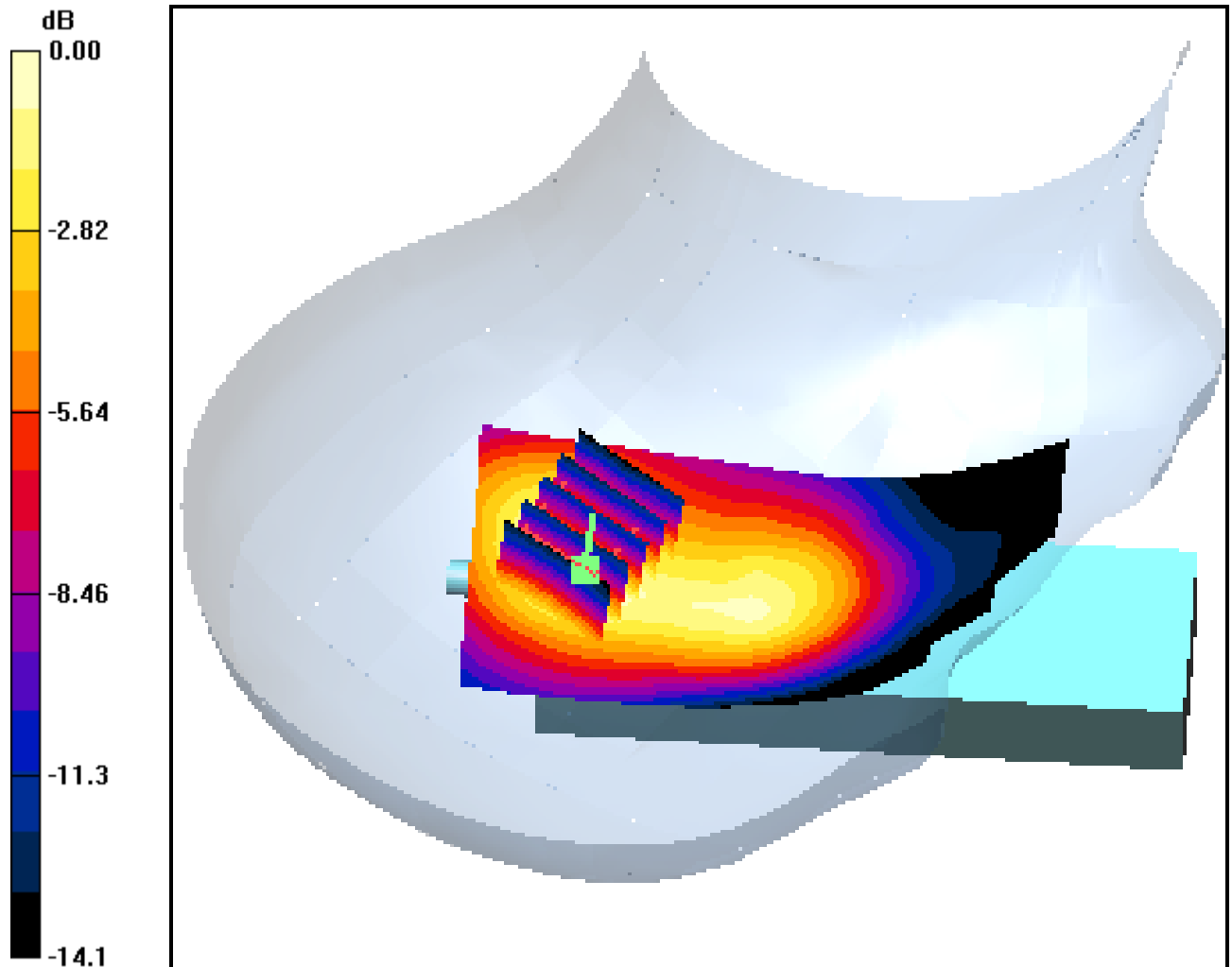
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.047 dB

Peak SAR (extrapolated) = 0.811 W/kg

**SAR(1 g) = 0.516 mW/g; SAR(10 g) = 0.312 mW/g**



0 dB = 0.557mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.46 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Right Touch, PCS Ch.810, Ant Fixed, Standard Battery**

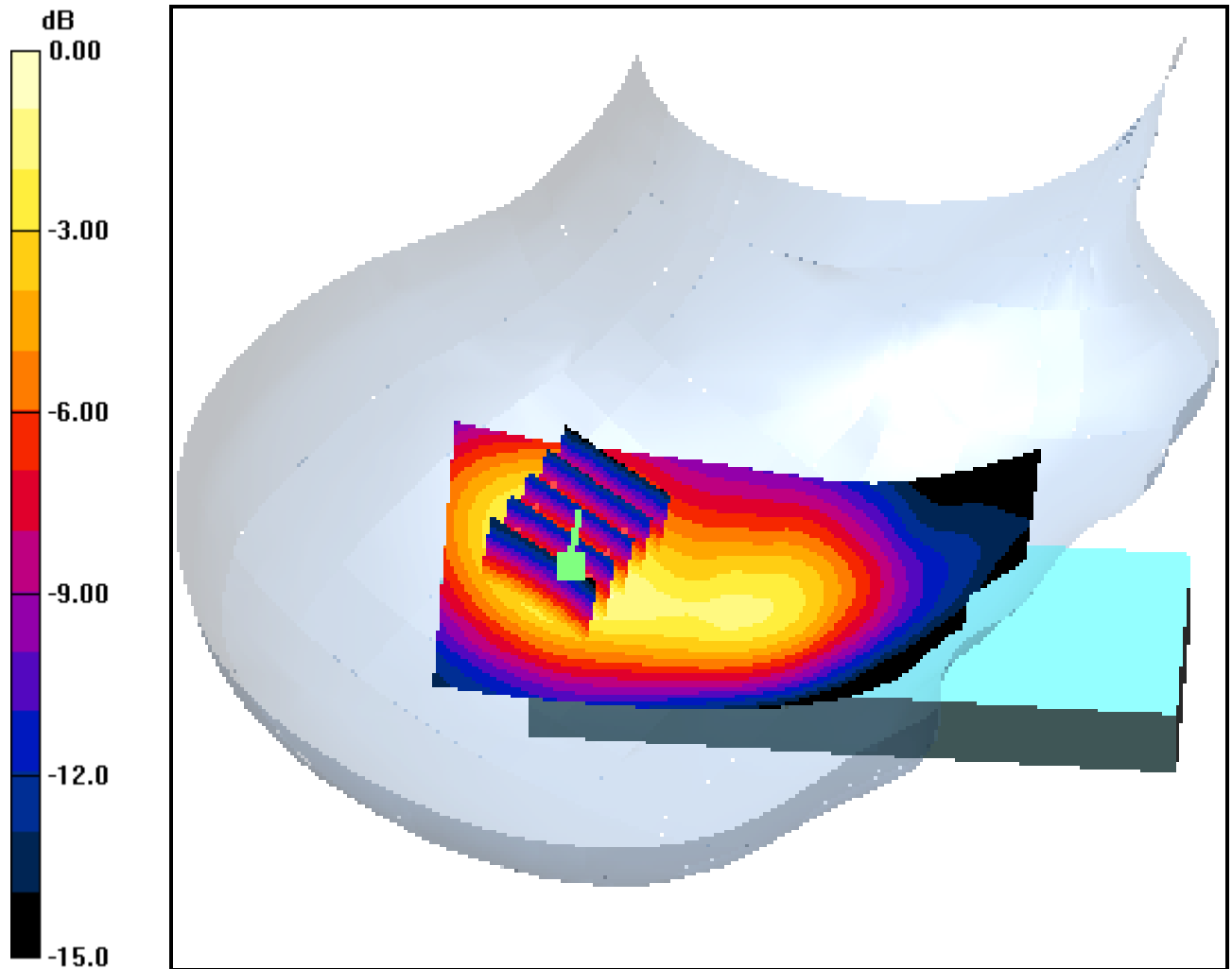
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.018 dB

Peak SAR (extrapolated) = 0.699 W/kg

**SAR(1 g) = 0.442 mW/g; SAR(10 g) = 0.264 mW/g**



0 dB = 0.484mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.4$  mho/m;  $\epsilon_r = 39.3$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Right Tilt, PCS Ch.512, Ant Fixed, Standard Battery**

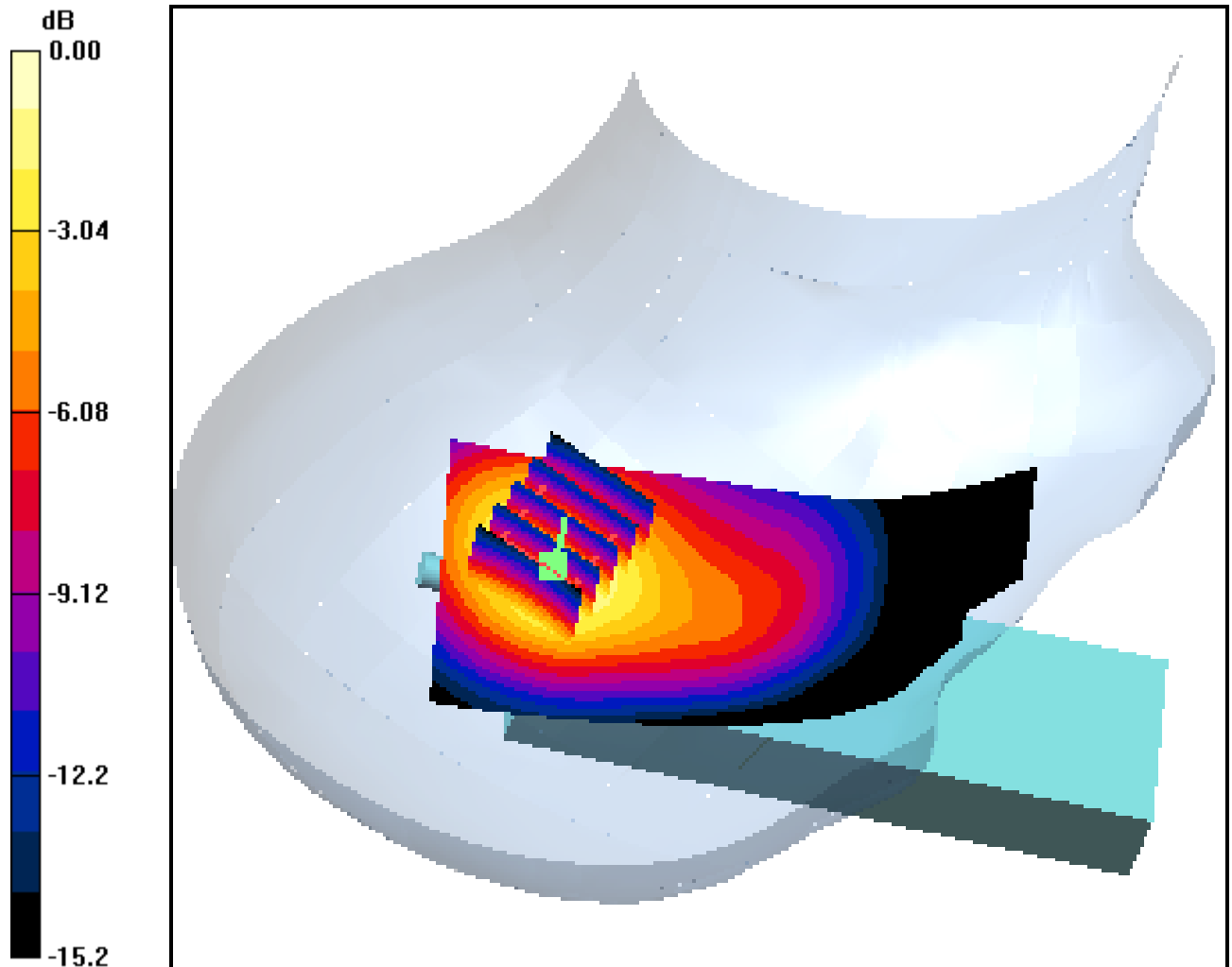
**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.787 mW/g; SAR(10 g) = 0.464 mW/g**



0 dB = 0.867mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

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

Medium parameters used:  $f = 1880 \text{ MHz}$ ;  $\sigma = 1.43 \text{ mho/m}$ ;  $\epsilon_r = 39.2$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Right Tilt, PCS Ch.661, Ant Fixed, Standard Battery**

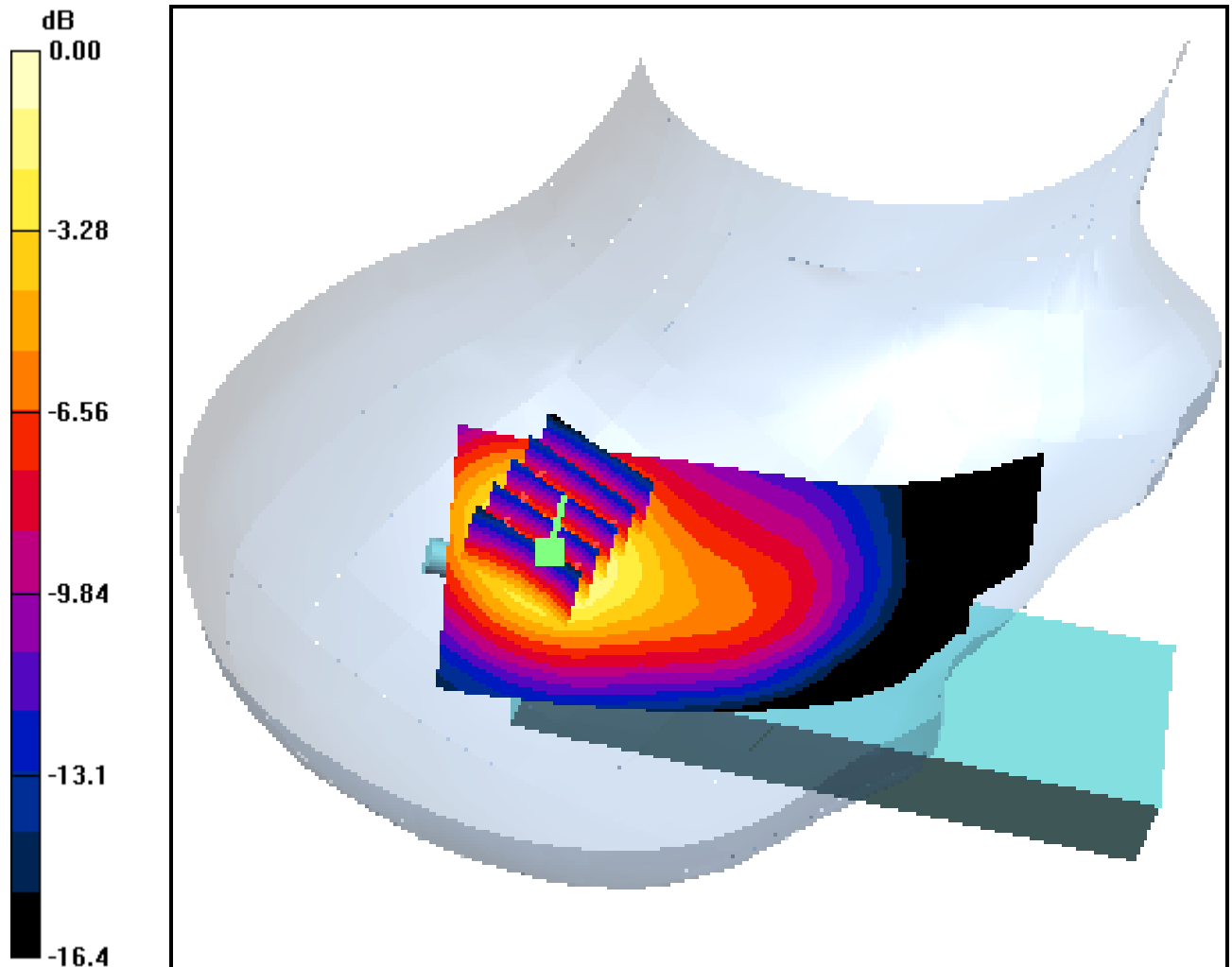
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.011 dB

Peak SAR (extrapolated) = 1.24 W/kg

**SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.446 mW/g**



0 dB = 0.838mW/g

# DIGITAL EMC CO., LTD

**DUT: FGD-8900; Type: BAR Type**

Communication System: PCS1900; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3  
Medium parameters used:  $f = 1909.8 \text{ MHz}$ ;  $\sigma = 1.46 \text{ mho/m}$ ;  $\epsilon_r = 39$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Right Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(5.27, 5.27, 5.27); Calibrated: 2005-03-24; Electronics: DAE3 Sn520  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.5 Build 19; Postprocessing SW: SEMCAD, V1.8 Build 145

Date: 2005-08-04; Ambient Temp: 22.0; Tissue Temp: 21.5

**Right Tilt, PCS Ch.810, Ant Fixed, Standard Battery**

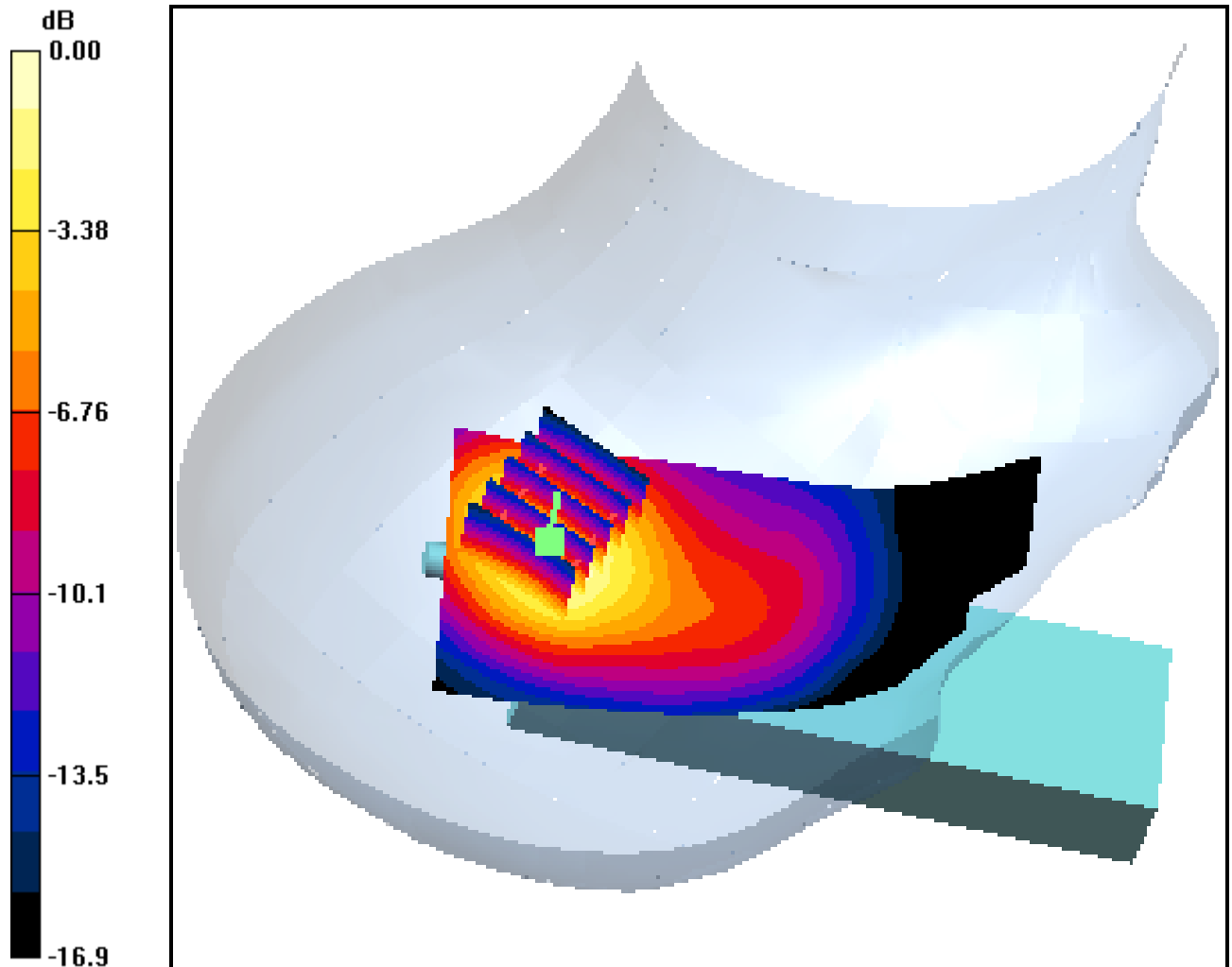
**Area Scan (51x101x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.055 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.359 mW/g**



0 dB = 0.684mW/g