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## SAR TEST PLOTS

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# DIGITAL EMC CO., LTD

**DUT: BM2001**

Communication System: CW; Frequency: 2402 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2402 \text{ MHz}$ ;  $\sigma = 1.94 \text{ mho/m}$ ;  $\epsilon_r = 54.9$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(4.27, 4.27, 4.27); 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

Test Date: 2005-08-25; Ambient Temp: 22.0; Tissue Temp: 21.7

## **1.5cm from Body, 2402MHz**

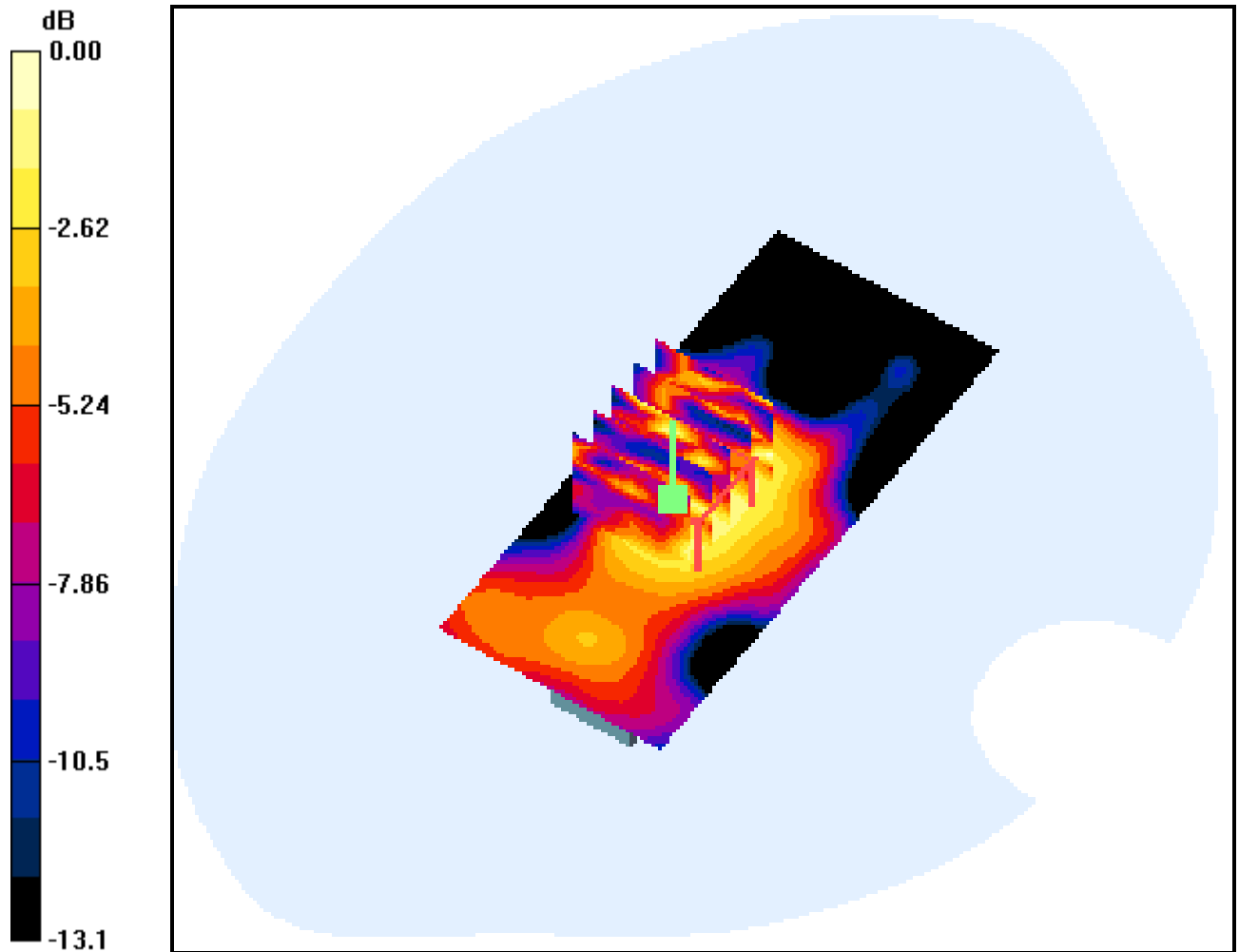
**Area Scan (41x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.265 dB

Peak SAR (extrapolated) = 0.116 W/kg

**SAR(1 g) = 0.049 mW/g; SAR(10 g) = 0.024 mW/g**



0 dB = 0.053mW/g

# DIGITAL EMC CO., LTD

**DUT: BM2001**

Communication System: CW; Frequency: 2441 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2441 \text{ MHz}$ ;  $\sigma = 2 \text{ mho/m}$ ;  $\epsilon_r = 54.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(4.27, 4.27, 4.27); 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

Test Date: 2005-08-25; Ambient Temp: 22.0; Tissue Temp: 21.7

## **1.5cm from Body, 2441MHz**

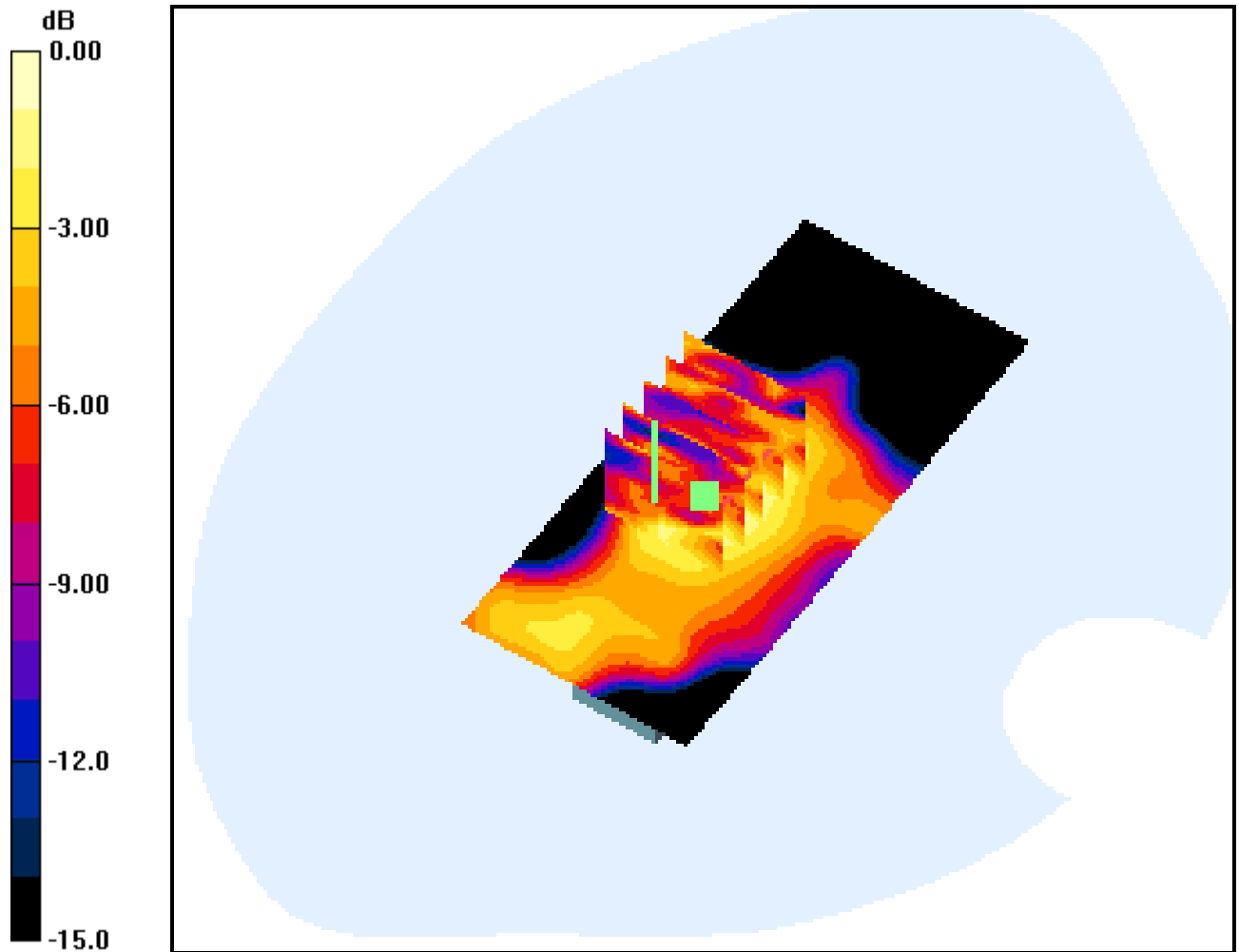
**Area Scan (41x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.096 W/kg

**SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.023 mW/g**



0 dB = 0.054mW/g

# DIGITAL EMC CO., LTD

**DUT: BM2001**

Communication System: CW; Frequency: 2480 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2480 \text{ MHz}$ ;  $\sigma = 2.03 \text{ mho/m}$ ;  $\epsilon_r = 54.6$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1703; ConvF(4.27, 4.27, 4.27); 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

Test Date: 2005-08-25; Ambient Temp: 22.0; Tissue Temp: 21.7

## **1.5cm from Body, 2480MHz**

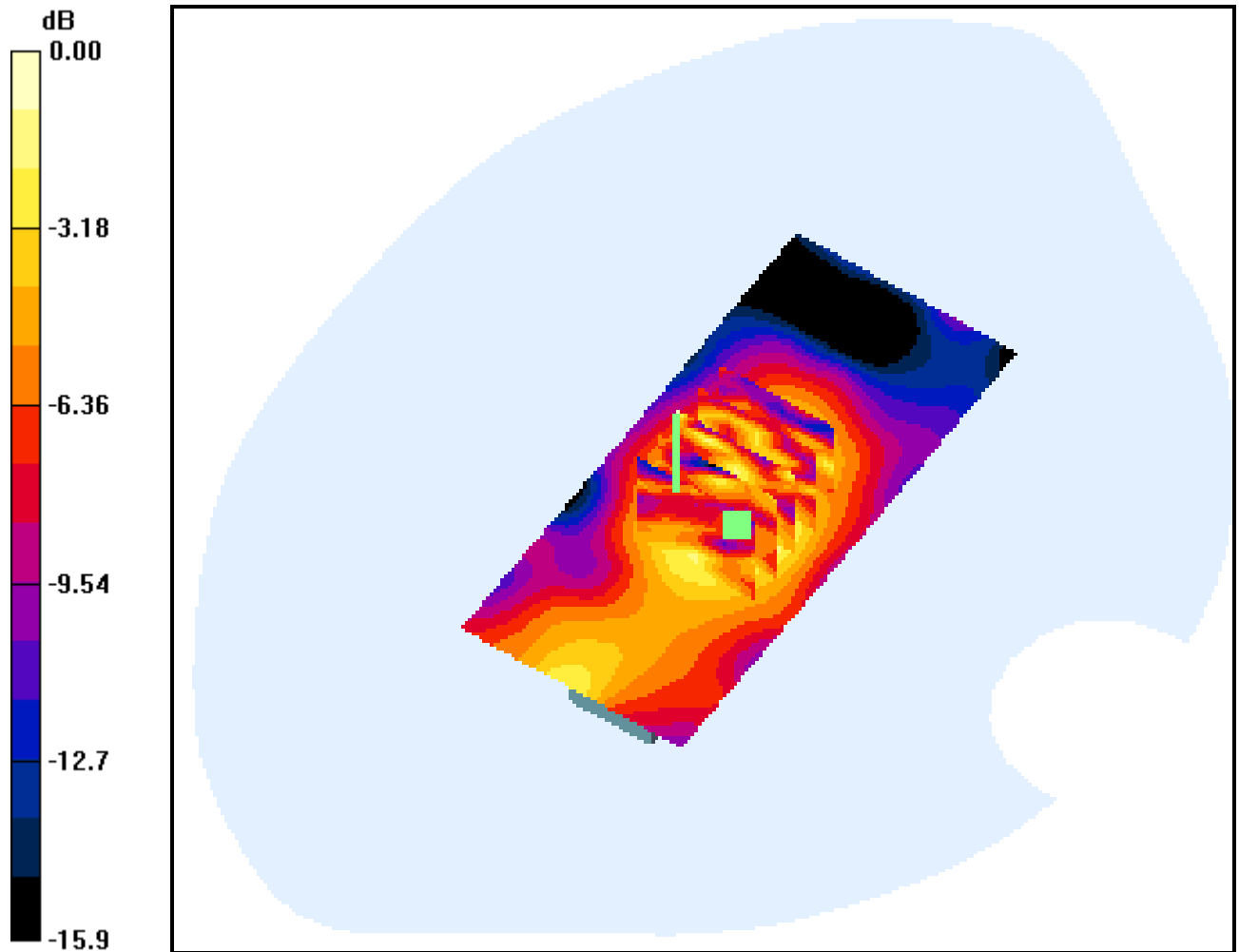
**Area Scan (41x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.309 W/kg

**SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.027 mW/g**



0 dB = 0.056mW/g