

# DIGITAL EMC CO., LTD

**DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:726**

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.95$  mho/m;  $\epsilon_r = 53.6$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; Electronics: DAE3 Sn519

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

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

Test Date: 2011-03-15; Ambient Temp: 22.0; Tissue Temp: 22.4

## **Dipole Validation**

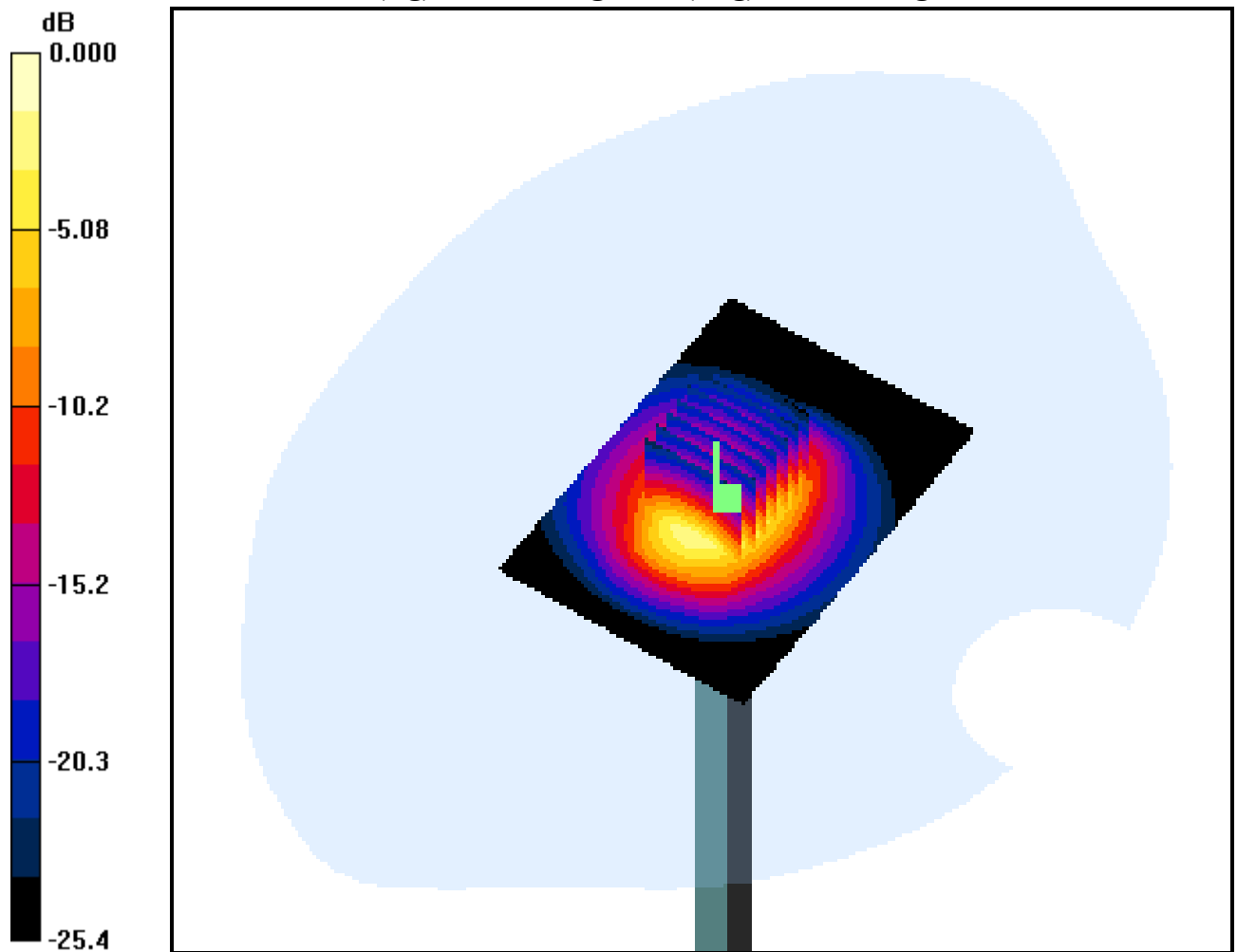
**Area Scan (51x71x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.024 dB

Peak SAR (extrapolated) = 29.6 W/kg

SAR(1 g) = 13.1 mW/g; SAR(10 g) = 5.76 mW/g



0 dB = 18.8mW/g

# DIGITAL EMC CO., LTD

**DUT: STM-7700; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.92 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; Electronics: DAE3 Sn519  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-03-15; Ambient Temp: 22.0; Tissue Temp: 22.4

**Touch from Body, Rear, W-LAN(802.11b) Ch. 2437 MHz(Mid), Ant Internal**

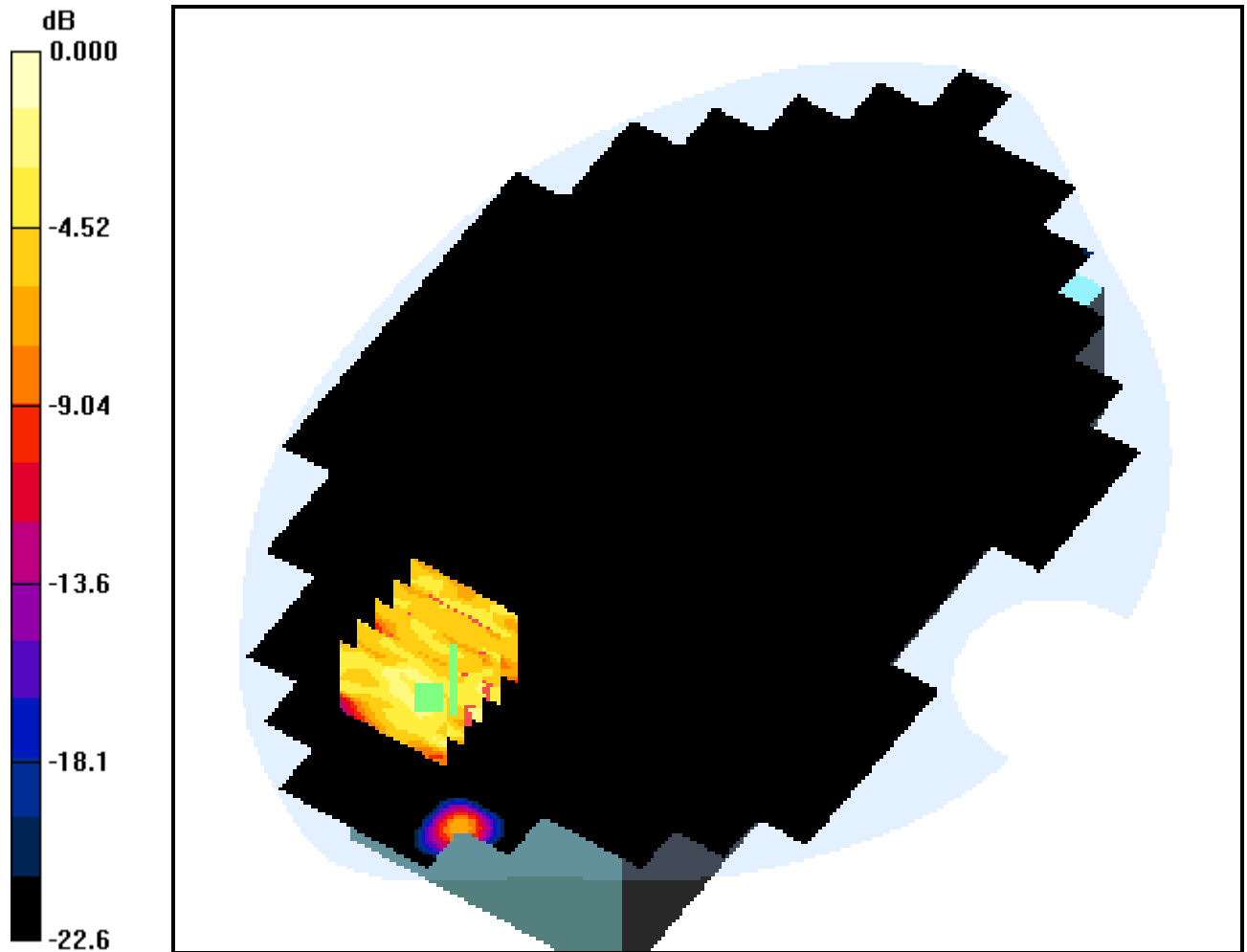
**Area Scan (121x191x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

**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) = 0.009 W/kg

**SAR(1 g) = 0.00305 mW/g; SAR(10 g) = 0.0011 mW/g**



0 dB = 0.006mW/g

# DIGITAL EMC CO., LTD

**DUT: STM-7700; Type: Bar**

Communication System: W-LAN; Frequency: 2412 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2412 \text{ MHz}$ ;  $\sigma = 1.88 \text{ mho/m}$ ;  $\epsilon_r = 53.3$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; Electronics: DAE3 Sn519  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-03-15; Ambient Temp: 22.0; Tissue Temp: 22.4

**Touch from Body, Front, W-LAN(802.11b) Ch. 2412 MHz(Low), Ant Internal**

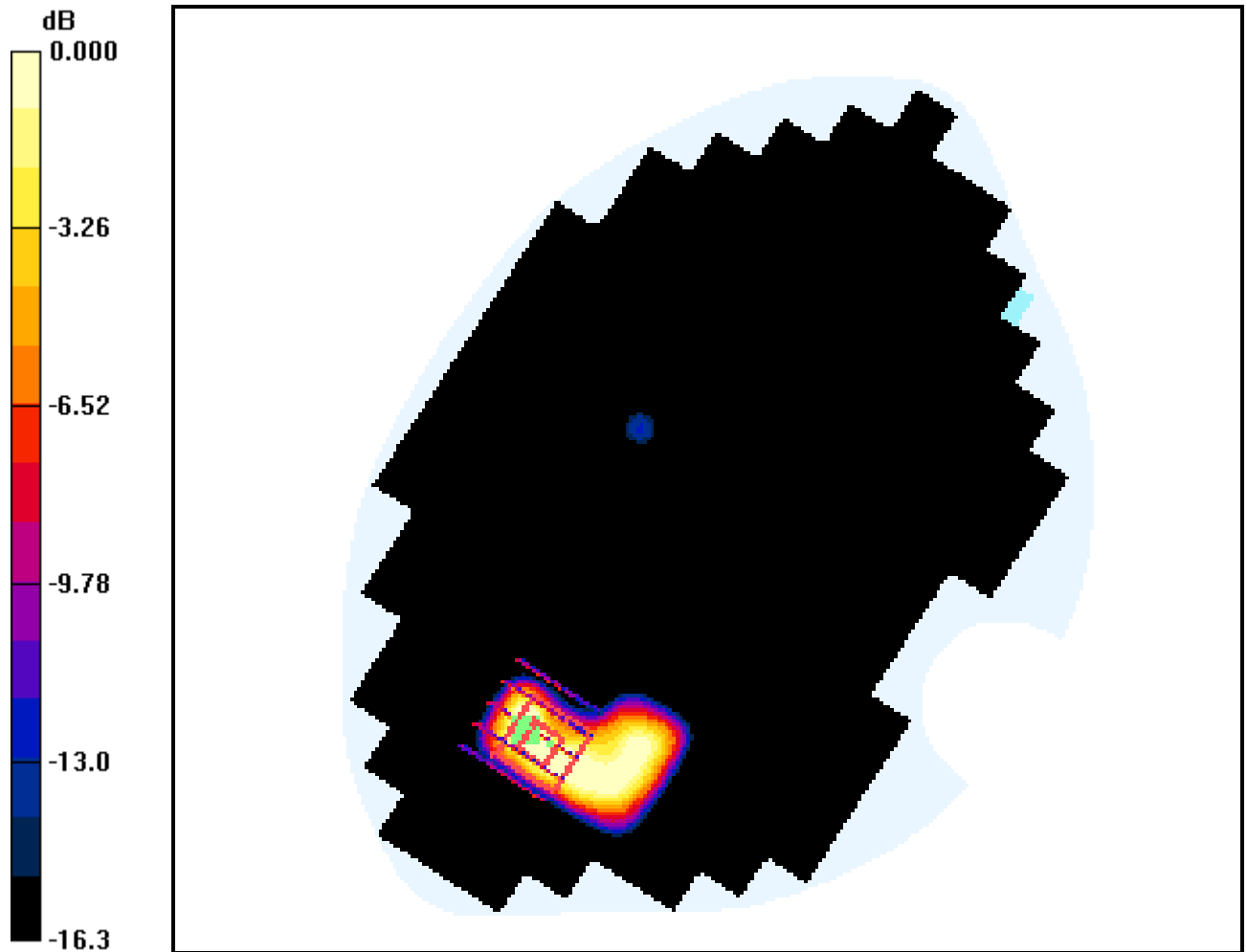
**Area Scan (121x191x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.317 dB

Peak SAR (extrapolated) = 0.042 W/kg

**SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.00964 mW/g**



0 dB = 0.030mW/g

# DIGITAL EMC CO., LTD

**DUT: STM-7700; Type: Bar**

Communication System: W-LAN; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2437 \text{ MHz}$ ;  $\sigma = 1.92 \text{ mho/m}$ ;  $\epsilon_r = 53.5$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; Electronics: DAE3 Sn519  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-03-15; Ambient Temp: 22.0; Tissue Temp: 22.4

**Touch from Body, Front, W-LAN(802.11b) Ch. 2437 MHz(Mid), Ant Internal**

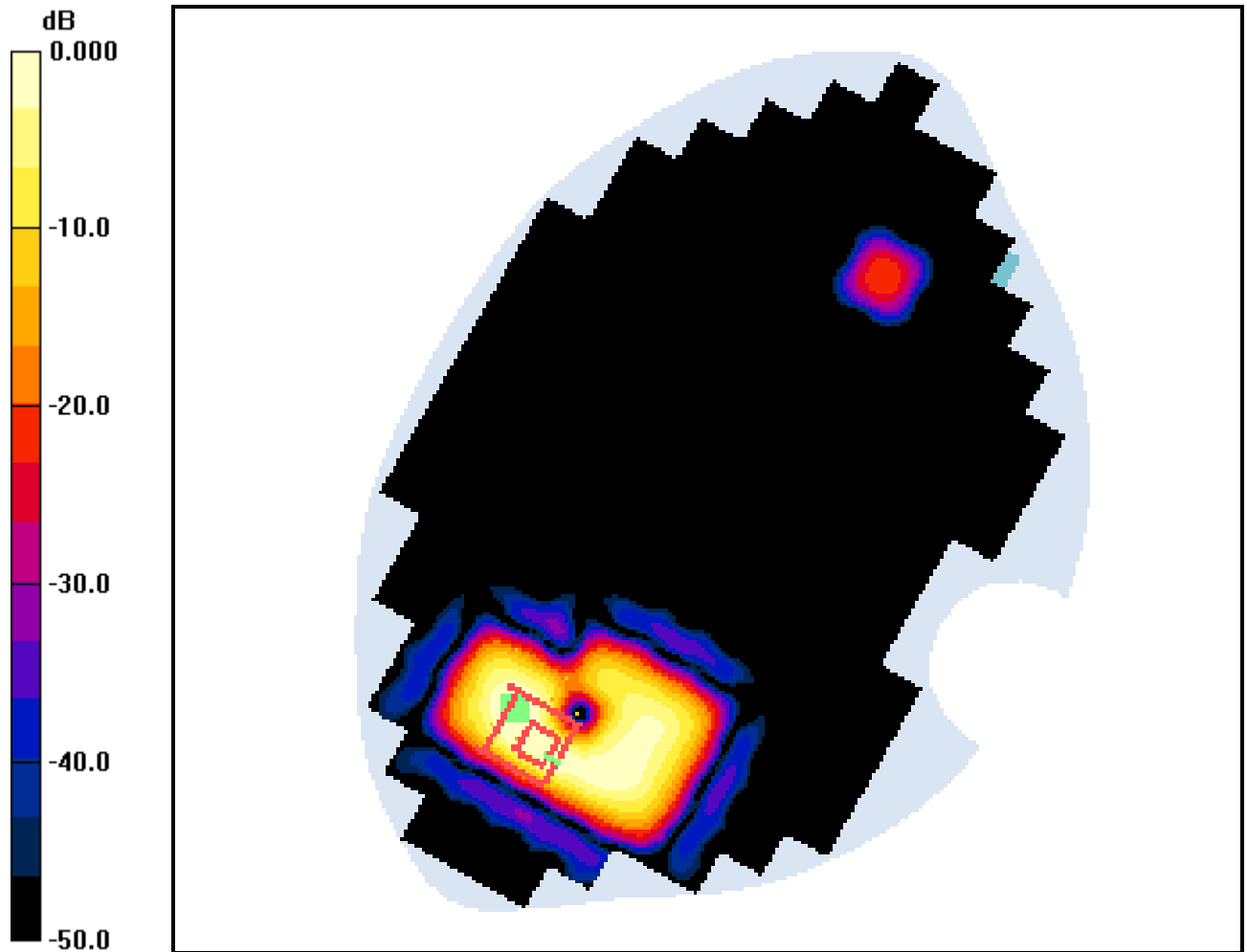
**Area Scan (121x191x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = 0.194 dB

Peak SAR (extrapolated) = 0.063 W/kg

**SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.011 mW/g**



0 dB = 0.035mW/g

# DIGITAL EMC CO., LTD

**DUT: STM-7700; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 2 \text{ mho/m}$ ;  $\epsilon_r = 53.8$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; Electronics: DAE3 Sn519  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-03-15; Ambient Temp: 22.0; Tissue Temp: 22.4

**Touch from Body, Front, W-LAN(802.11b) Ch. 2462 MHz(High), Ant Internal**

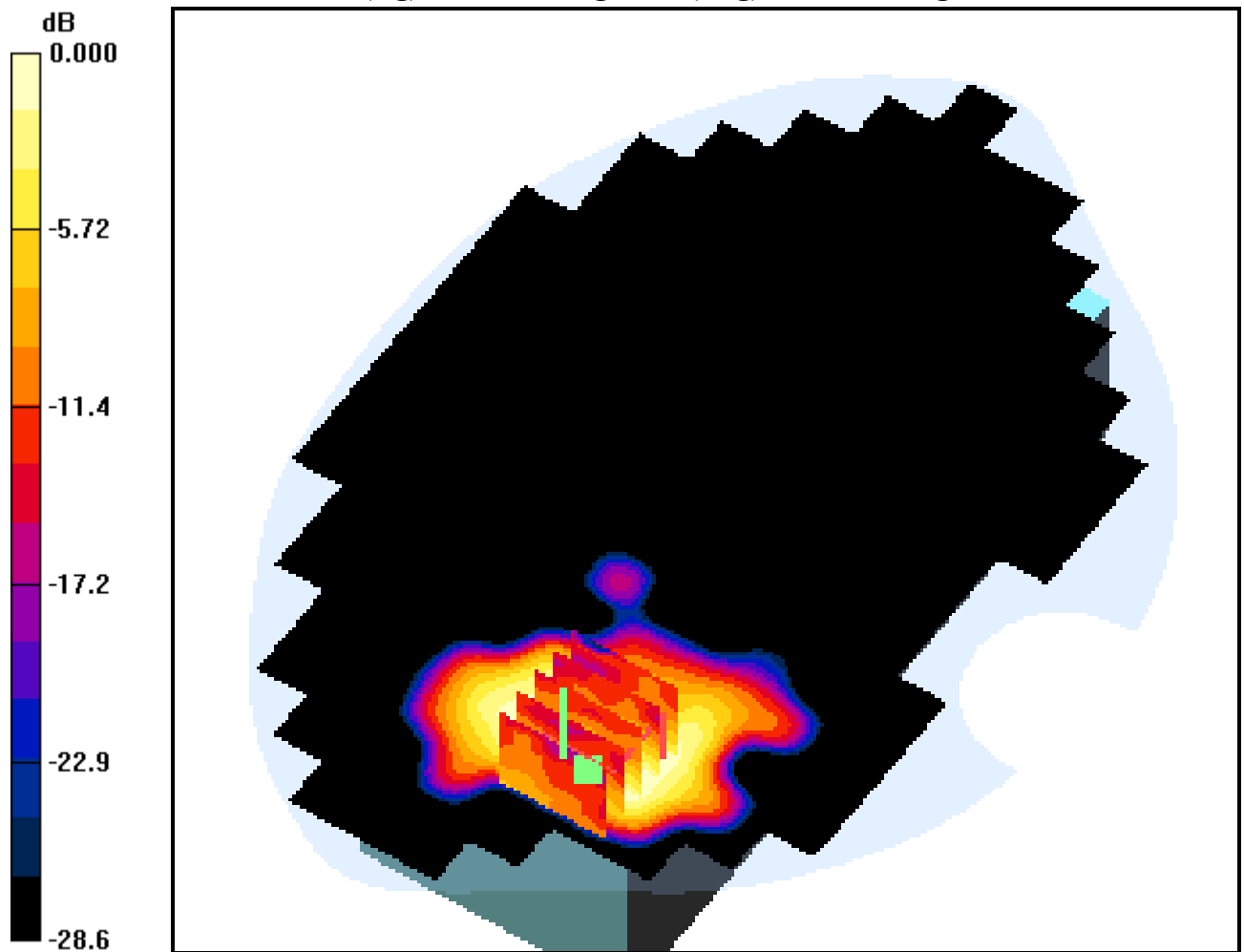
**Area Scan (121x191x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.384 dB

Peak SAR (extrapolated) = 0.077 W/kg

**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.017 mW/g**



0 dB = 0.051mW/g

# DIGITAL EMC CO., LTD

**DUT: STM-7700; Type: Bar**

Communication System: W-LAN; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2$  mho/m;  $\epsilon_r = 53.8$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: EX3DV4 - SN3643; ConvF(7.03, 7.03, 7.03); Calibrated: 2011-01-24; Electronics: DAE3 Sn519  
Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224  
Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2011-03-15; Ambient Temp: 22.0; Tissue Temp: 22.4

**Touch from Body, Front, W-LAN(802.11b) Ch. 2462 MHz(High), Ant Internal**

**Area Scan (121x191x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.384 dB

Peak SAR (extrapolated) = 0.077 W/kg

**SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.017 mW/g**

