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## SAR TEST PLOTS

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# DIGITAL EMC CO., LTD

**DUT: SXP-2080; Type: WLL**

Communication System: FCC CDMA; Frequency: 824.7 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 824.7 \text{ MHz}$ ;  $\sigma = 0.985 \text{ mho/m}$ ;  $\epsilon_r = 53.2$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519  
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223  
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-11-02; Ambient Temp: 20.5; Tissue Temp: 20.5

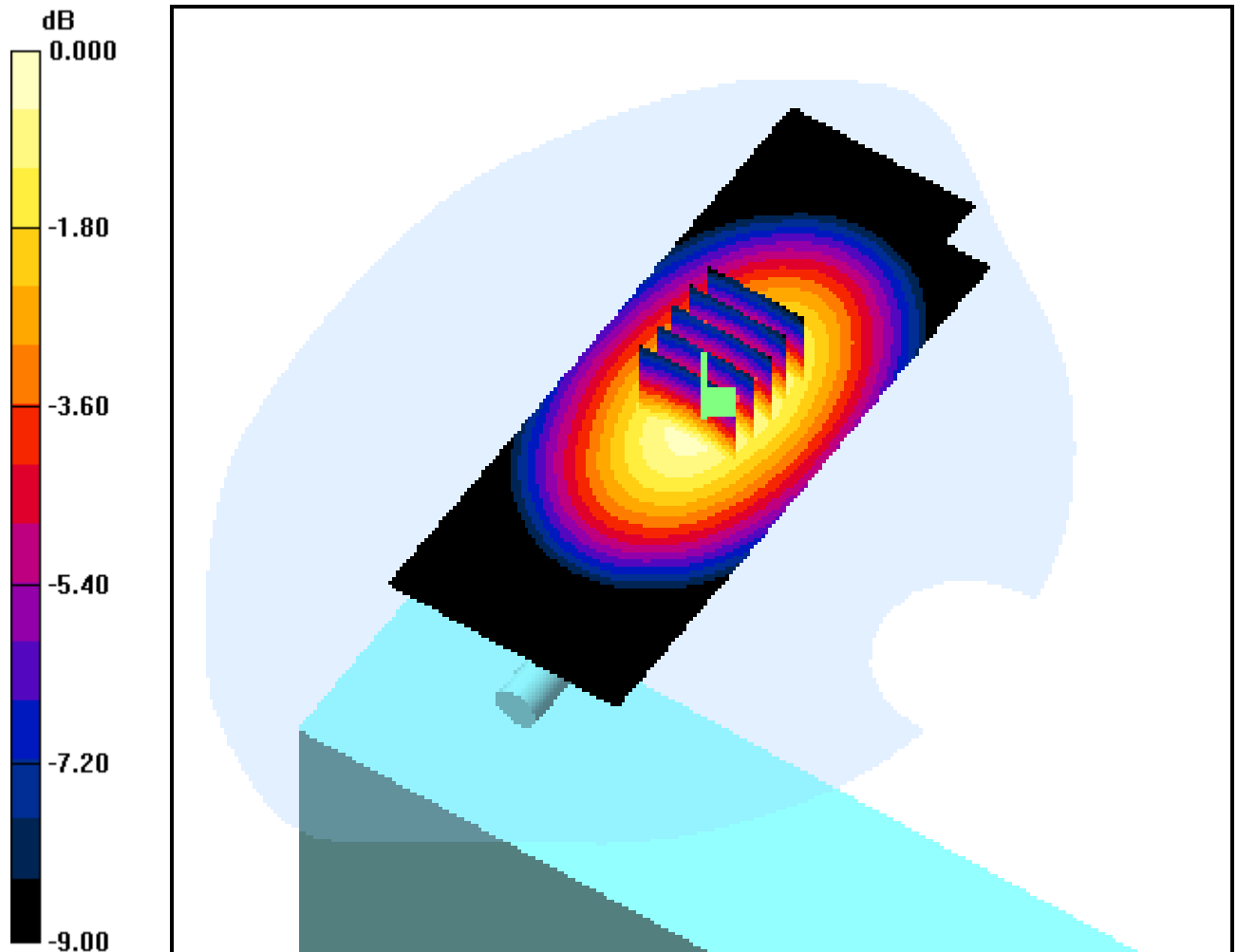
## **2.5cm from Body, CDMA Ch.1013, Ant Fixed, Charger Mode**

**Area Scan (51x131x1):** 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 = -0.093 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 1.17 mW/g; SAR(10 g) = 0.836 mW/g**



0 dB = 1.25mW/g

# DIGITAL EMC CO., LTD

**DUT: SXP-2080; Type: WLL**

Communication System: FCC CDMA; Frequency: 836.52 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 836.52 \text{ MHz}$ ;  $\sigma = 0.995 \text{ mho/m}$ ;  $\epsilon_r = 53.1$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519  
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223  
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-11-02; Ambient Temp: 20.5; Tissue Temp: 20.5

## **2.5cm from Body, CDMA Ch.384, Ant Fixed, Charger Mode**

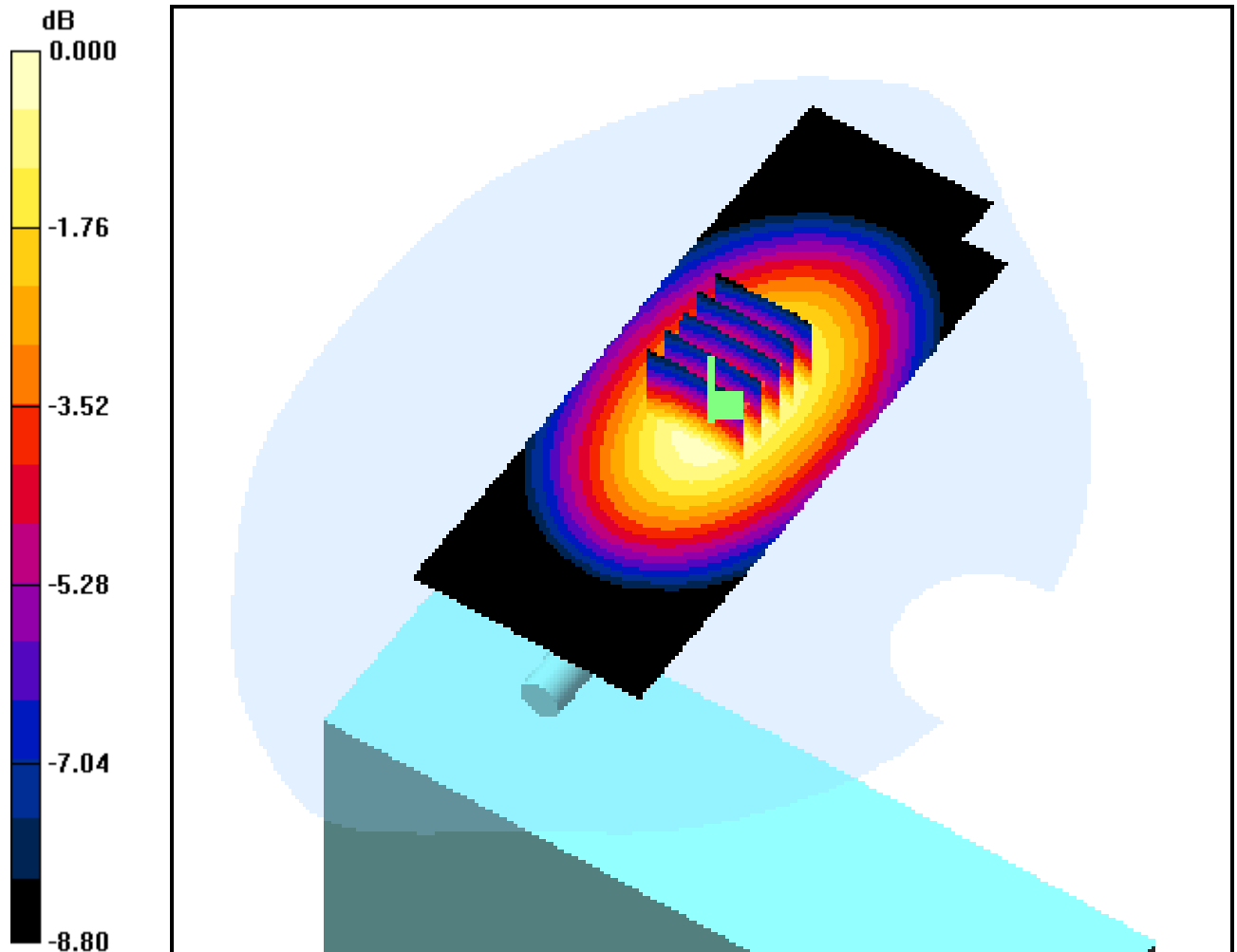
**Area Scan (51x131x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.111 dB

Peak SAR (extrapolated) = 0.620 W/kg

**SAR(1 g) = 0.461 mW/g; SAR(10 g) = 0.330 mW/g**



0 dB = 0.489mW/g

# DIGITAL EMC CO., LTD

**DUT: SXP-2080; Type: WLL**

Communication System: FCC CDMA; Frequency: 848.31 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 848.31 \text{ MHz}$ ;  $\sigma = 1.01 \text{ mho/m}$ ;  $\epsilon_r = 52.9$ ;  $\rho = 1000 \text{ kg/m}^3$   
Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1702; ConvF(6.21, 6.21, 6.21); Calibrated: 2006-03-23; Electronics: DAE3 Sn519  
Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223  
Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-11-02; Ambient Temp: 20.5; Tissue Temp: 20.5

## **2.5cm from Body, CDMA Ch.777, Ant Fixed, Charger Mode**

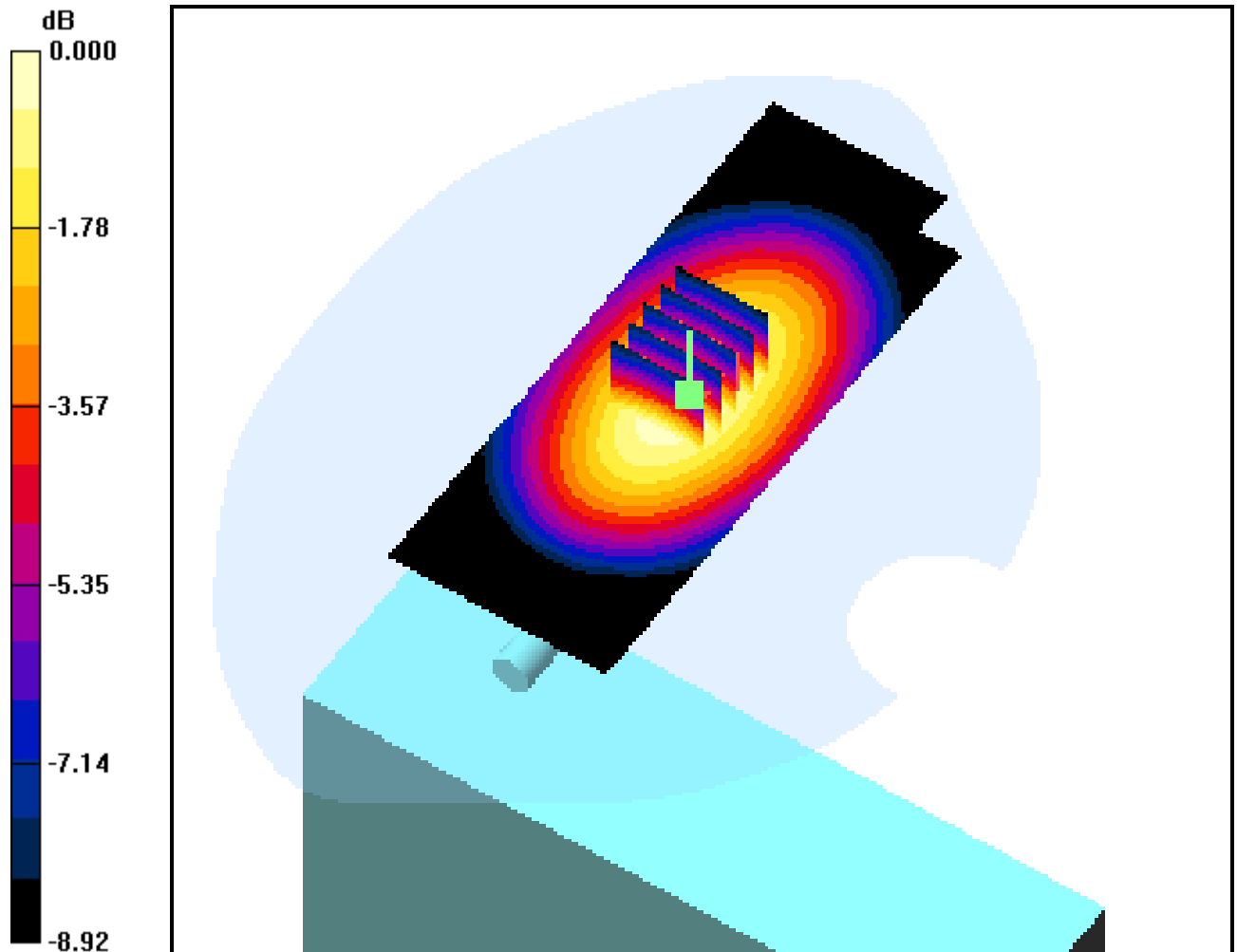
**Area Scan (51x131x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.689 W/kg

**SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.367 mW/g**



0 dB = 0.546mW/g