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**ATTACHMENT      P:    DIPOLE VALIDATION(S)**

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# DIGITAL EMC CO., LTD

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.45 \text{ mho/m}$ ;  $\epsilon_r = 39.8$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1702; ConvF(5.21, 5.21, 5.21); Calibrated: 2004-02-17; Electronics: DAE3 Sn520

Phantom: SAM with CRP 1800MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Date: 2004-10-16

## **Dipole Validation**

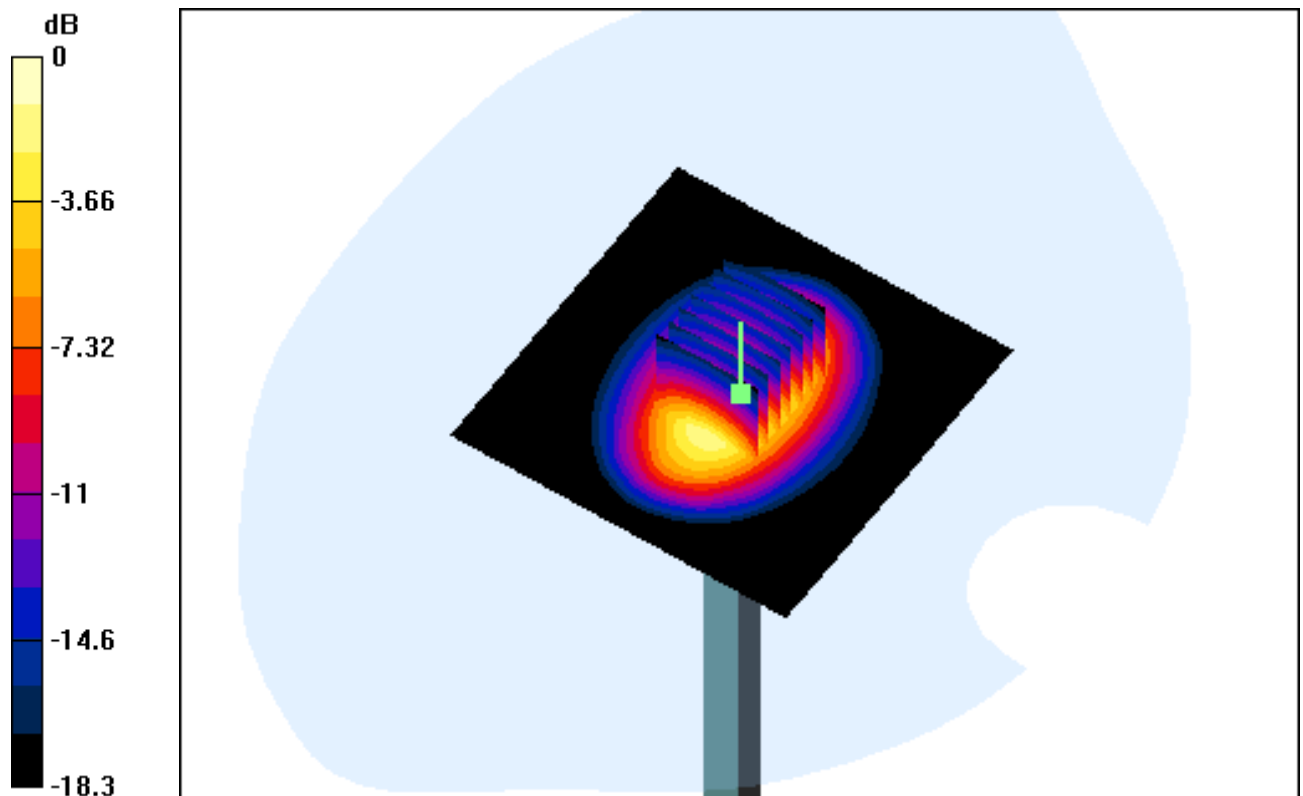
**Area Scan (101x101x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Power Drift = -0.0 dB

Peak SAR (extrapolated) = 19.6 W/kg

SAR(1 g) = 10.6 mW/g; SAR(10 g) = 5.43 mW/g



0 dB = 12mW/g

# DIGITAL EMC CO., LTD

**DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.57 \text{ mho/m}$ ;  $\epsilon_r = 51$ ;  $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

## **DASY4 Configuration:**

Probe: ET3DV6 - SN1702; ConvF(4.6, 4.6, 4.6); Calibrated: 2004-02-17; Electronics: DAE3 Sn520

Phantom: SAM with CRP 1800MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.3 Build 22; Postprocessing SW: SEMCAD, V1.8 Build 127

Date: 2004-10-20

## **Dipole Validation**

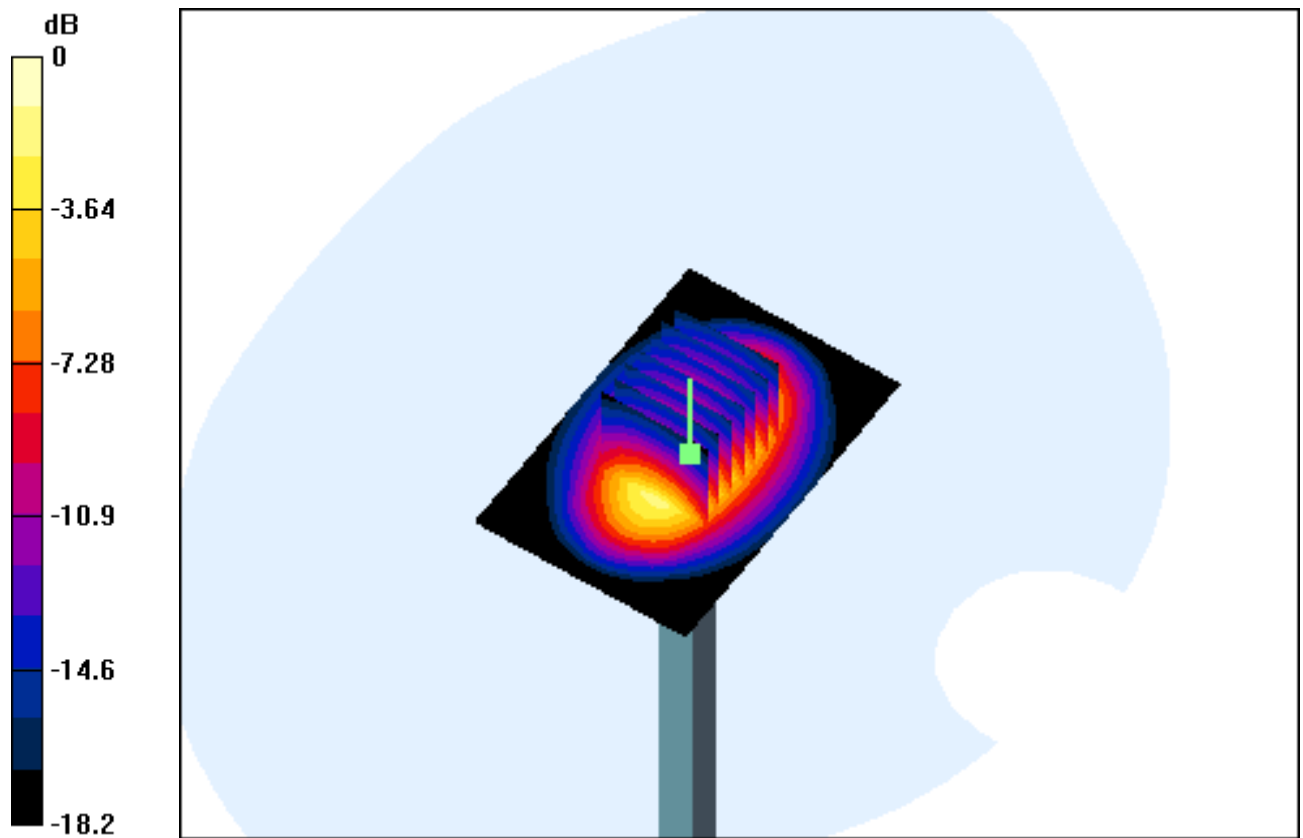
**Area Scan (61x91x1):** Measurement grid:  $dx=10\text{mm}$ ,  $dy=10\text{mm}$

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

Power Drift = -0.005 dB

Peak SAR (extrapolated) = 23.5 W/kg

**SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.16 mW/g**



0 dB = 11.4mW/g