
SAR TEST PLOTS

DIGITAL EMC CO., LTD

DUT: BM1001

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

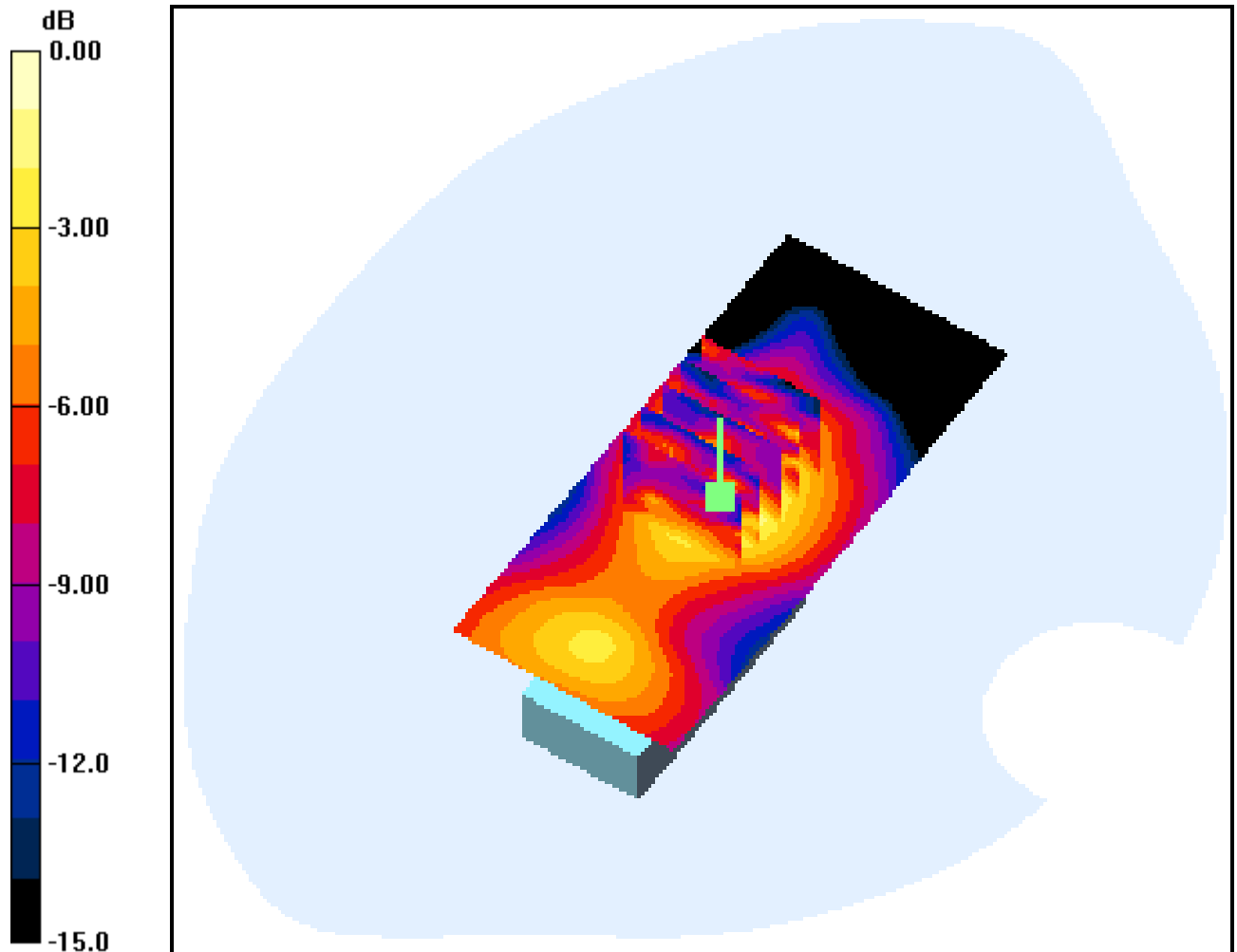
Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.191 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.091 mW/g; SAR(10 g) = 0.048 mW/g



0 dB = 0.099mW/g

DIGITAL EMC CO., LTD

DUT: BM1001

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

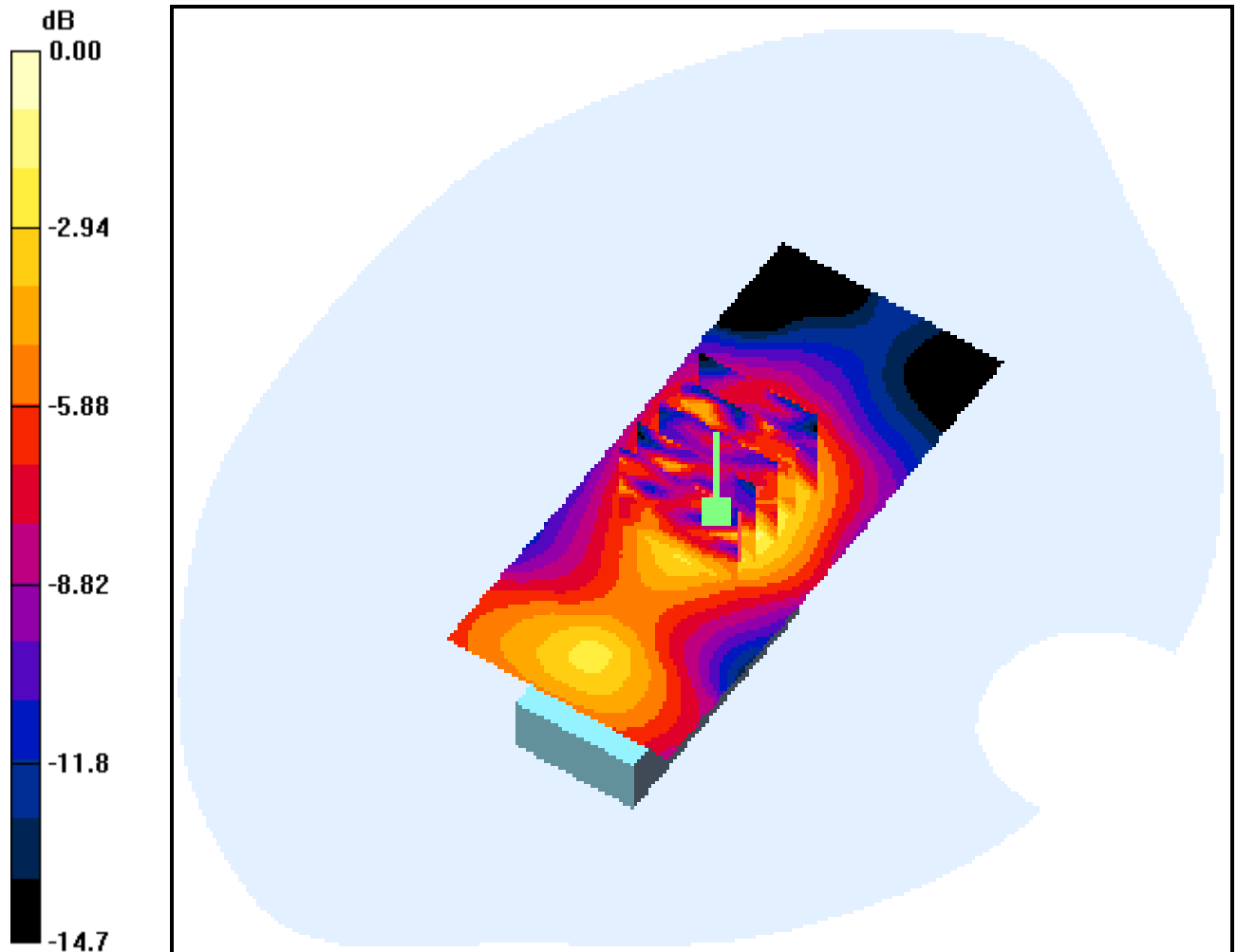
Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.049 mW/g



0 dB = 0.101mW/g

DIGITAL EMC CO., LTD

DUT: BM1001

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

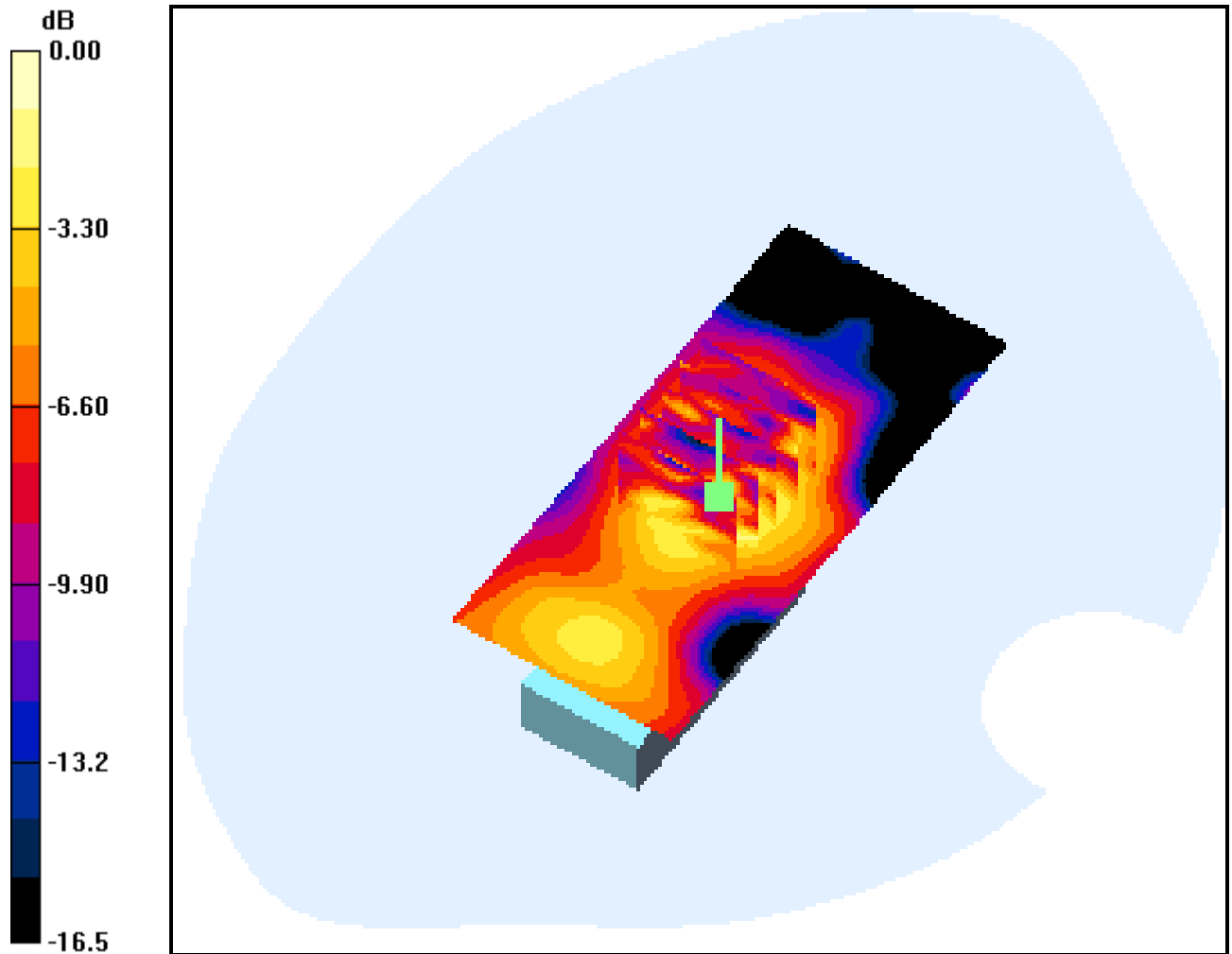
Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.081 dB

Peak SAR (extrapolated) = 0.120 W/kg

SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.044 mW/g



0 dB = 0.094mW/g