

## Dipole Verification Plots

# DIGITAL EMC CO., LTD

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

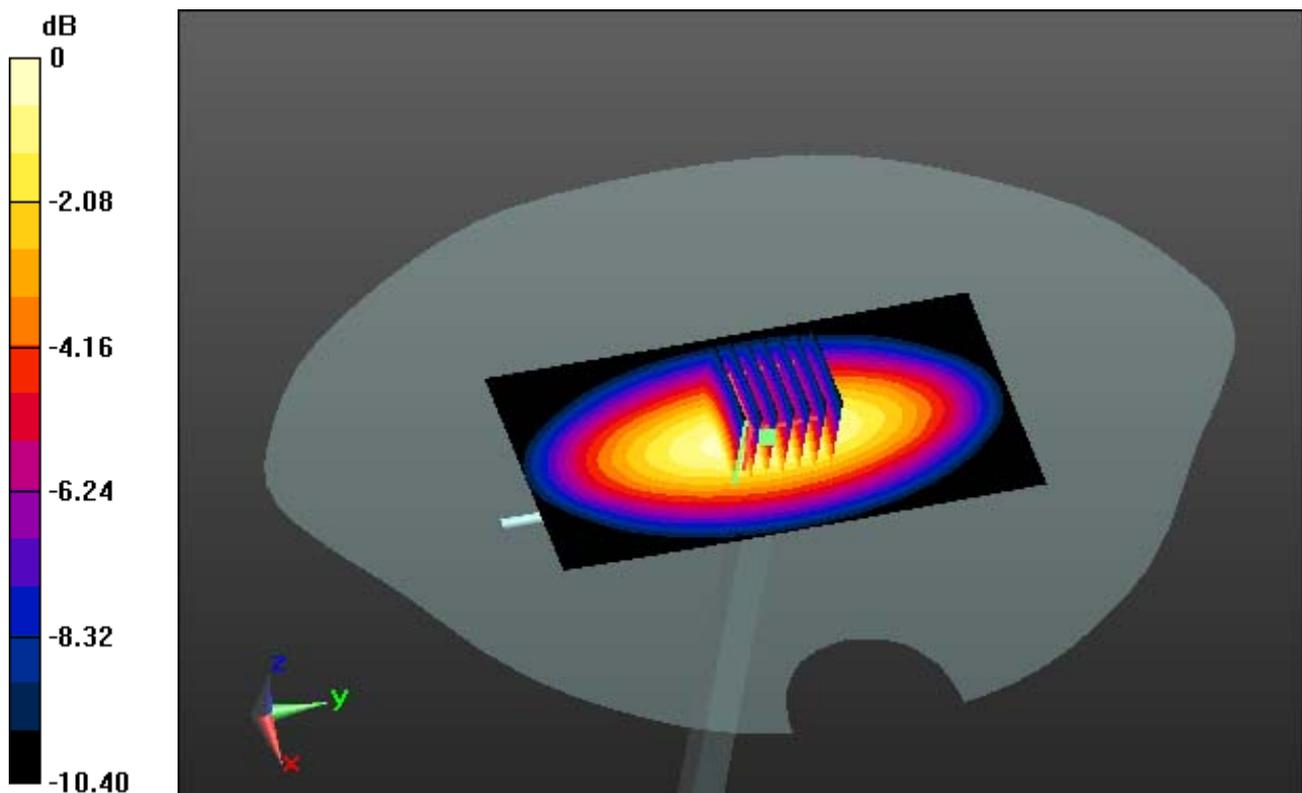
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-02; Ambient Temp: 21.3; Tissue Temp: 21.6

## **Dipole Verification**

**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 3.513 mW/g  
**SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.52 W/kg**



0 dB = 2.83 mW/g

# DIGITAL EMC CO., LTD

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.89$  mho/m;  $\epsilon_r = 41.43$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

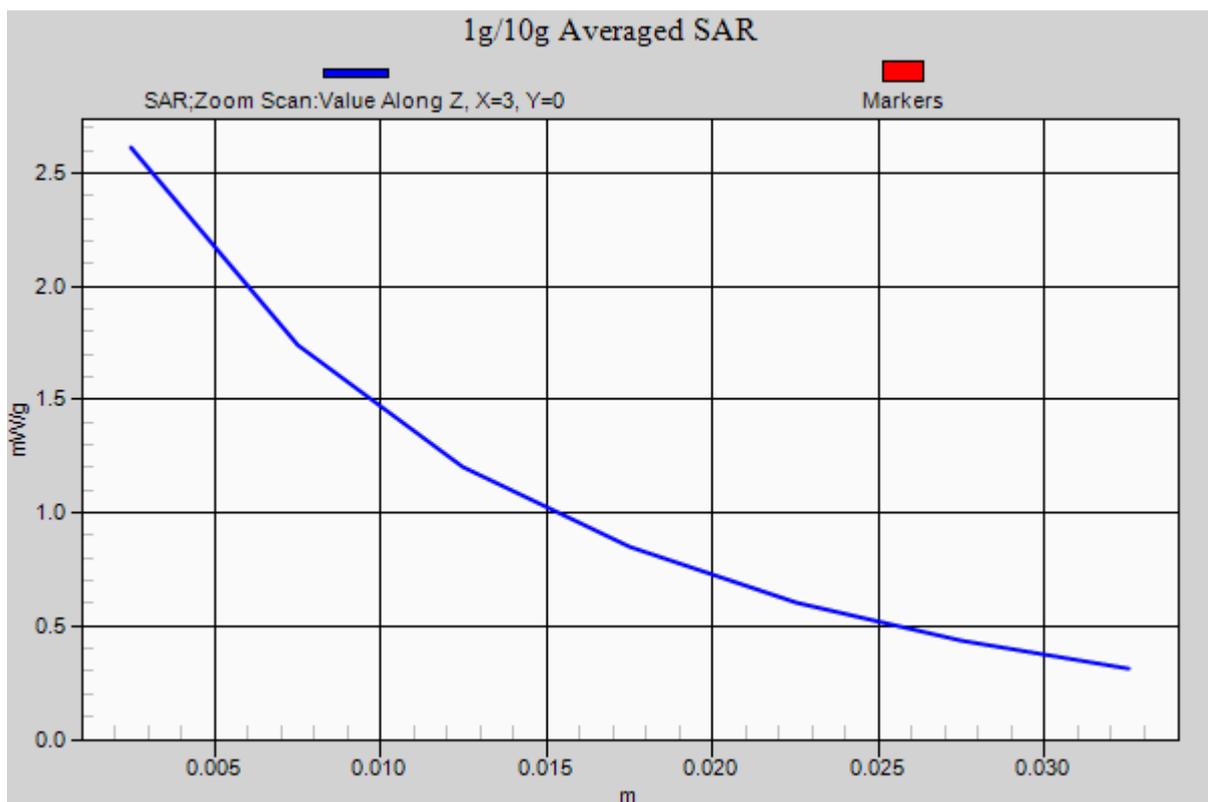
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-02; Ambient Temp: 21.3; Tissue Temp: 21.6

## **Dipole Verification**

**Area Scan (51x101x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 3.513 mW/g  
**SAR(1 g) = 2.32 W/kg; SAR(10 g) = 1.52 W/kg**



# DIGITAL EMC CO., LTD

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1  
Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.949$  mho/m;  $\epsilon_r = 53.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Phantom section: Flat Section

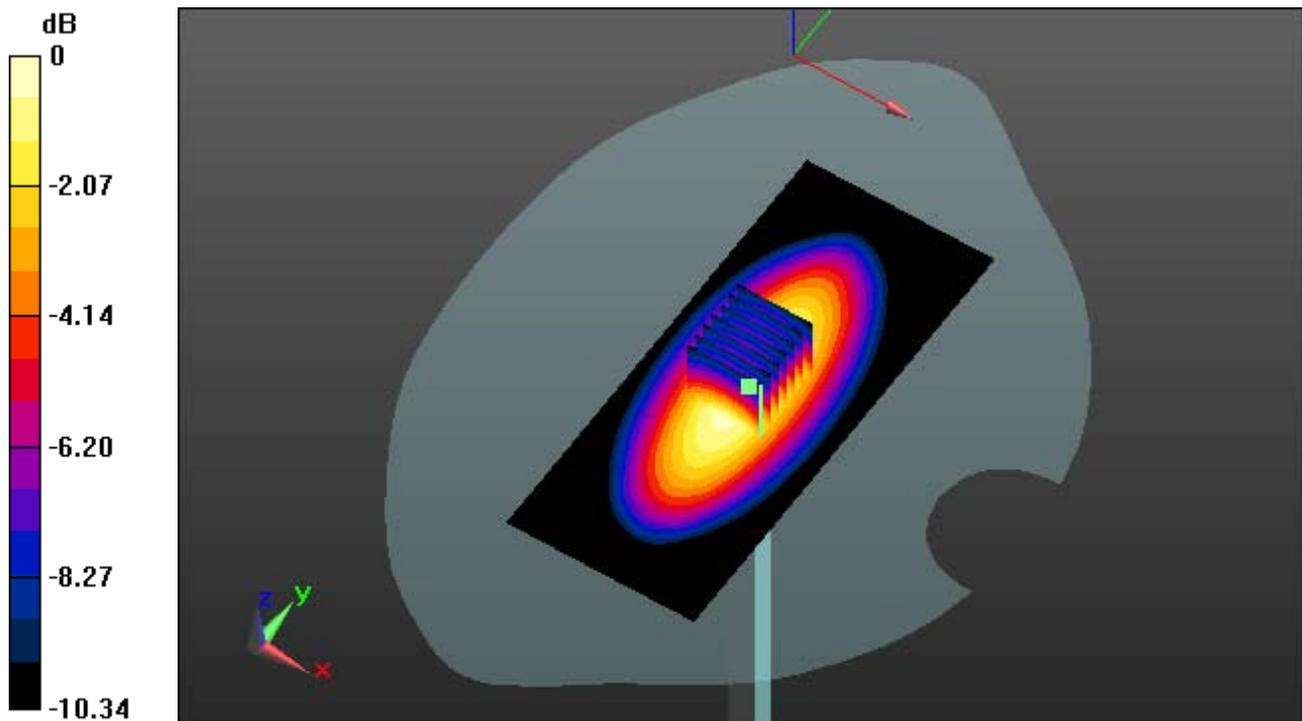
## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335  
Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679  
Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-04; Ambient Temp: 20.8 Tissue Temp: 21.2

## **Dipole Verification**

**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm  
**Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm  
Power Drift = 0.07 dB  
Peak SAR (extrapolated) = 3.543 mW/g  
**SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.58 W/kg**



0 dB = 3.02 mW/g

# DIGITAL EMC CO., LTD

**DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.949$  mho/m;  $\epsilon_r = 53.423$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(9.03, 9.03, 9.03); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-04; Ambient Temp: 20.8 Tissue Temp: 21.2

## **Dipole Verification**

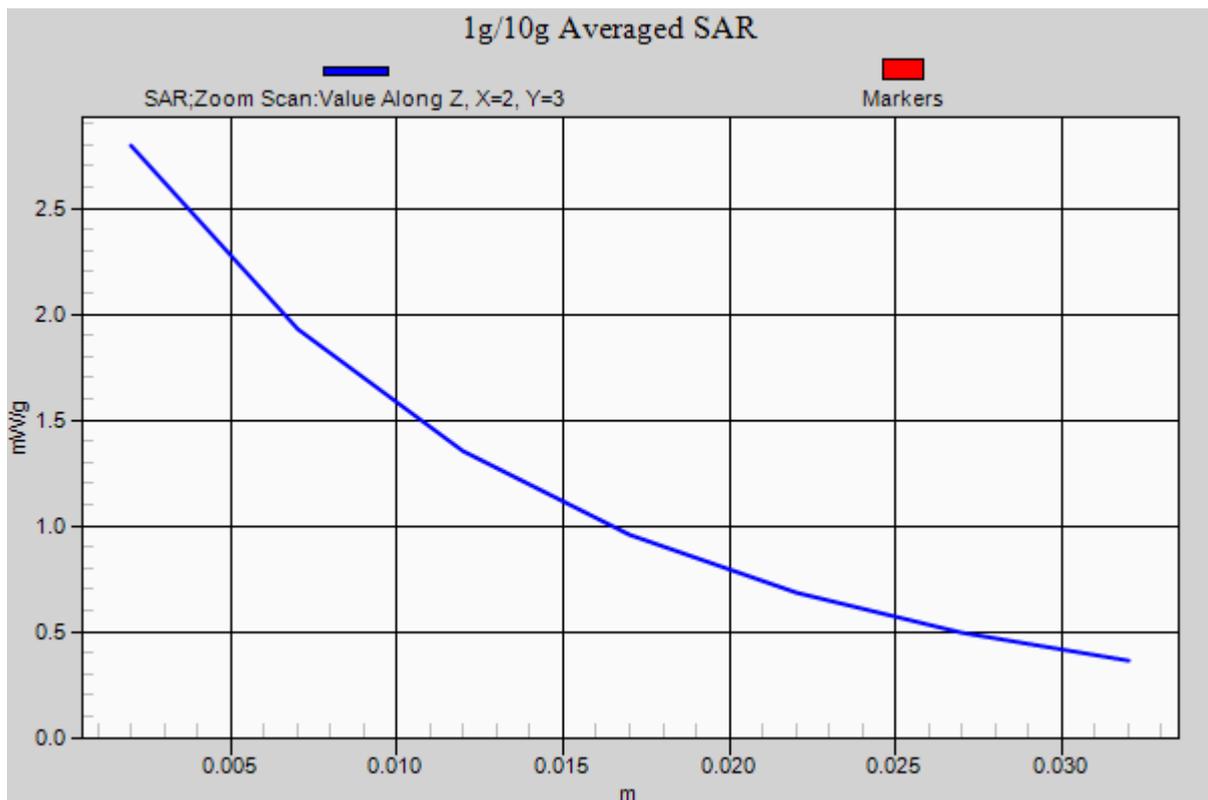
**Area Scan (51x121x1):** Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.543 mW/g

**SAR(1 g) = 2.4 W/kg; SAR(10 g) = 1.58 W/kg**



# 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:  $f = 1900$  MHz;  $\sigma = 1.414$  mho/m;  $\epsilon_r = 38.857$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-05; Ambient Temp: 21.2 Tissue Temp: 21.4

## **Dipole Verification**

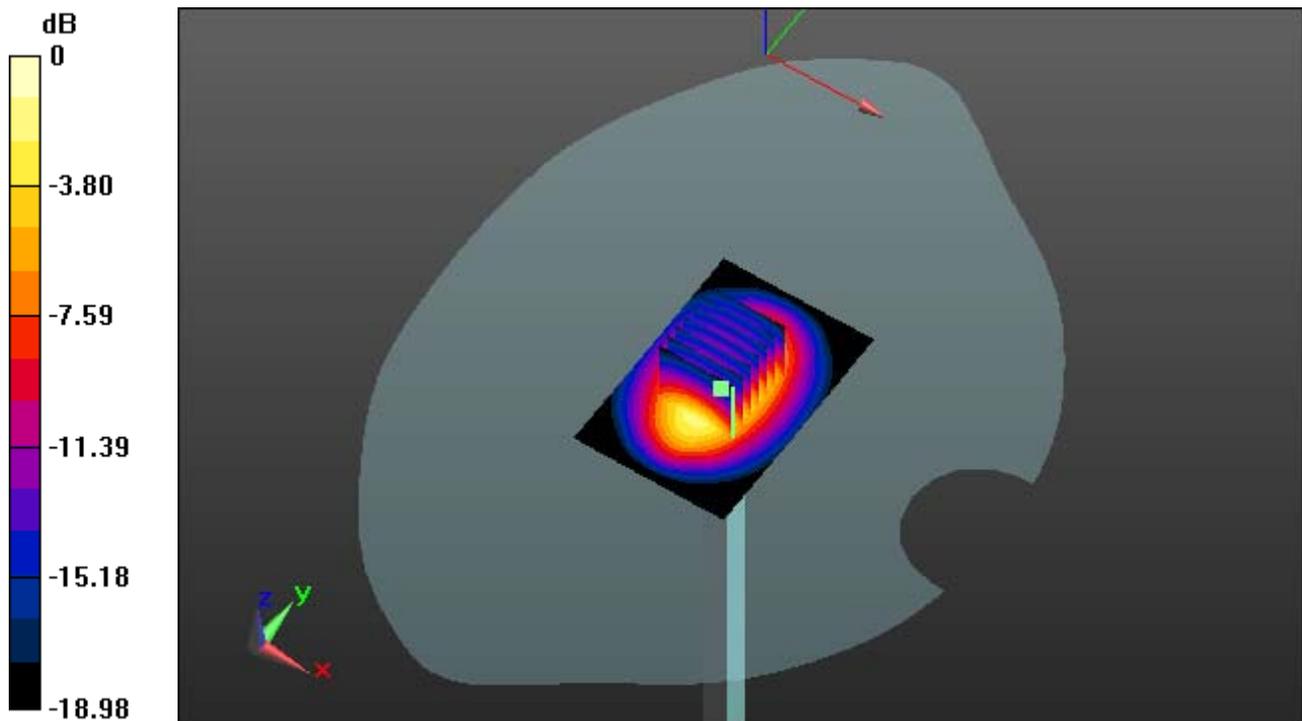
**Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 19.941 mW/g

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.1 W/kg**



0 dB = 14.0 mW/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:  $f = 1900$  MHz;  $\sigma = 1.414$  mho/m;  $\epsilon_r = 38.857$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.76, 7.76, 7.76); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-05; Ambient Temp: 21.2 Tissue Temp: 21.4

## **Dipole Verification**

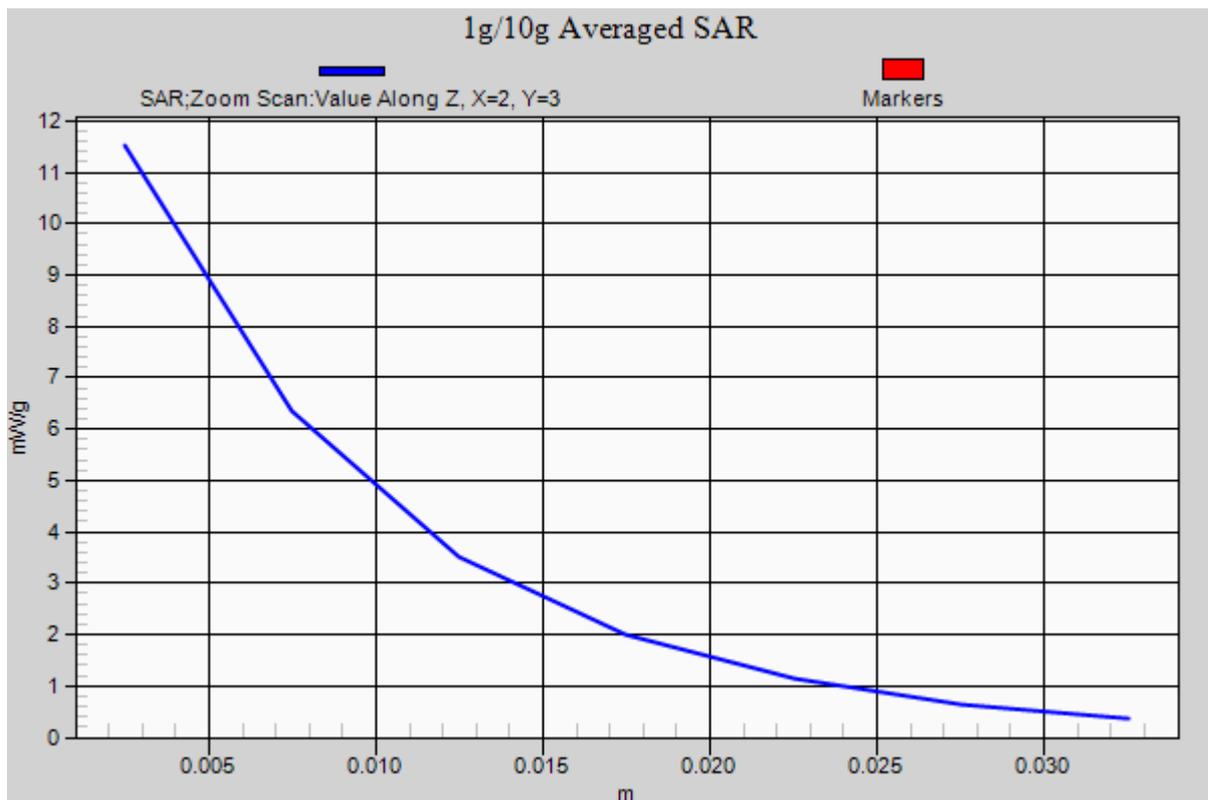
**Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 19.941 mW/g

**SAR(1 g) = 10.1 W/kg; SAR(10 g) = 5.1 W/kg**



# 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:  $f = 1900$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 53.125$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-06; Ambient Temp: 20.9 Tissue Temp: 21.4

## **Dipole Verification**

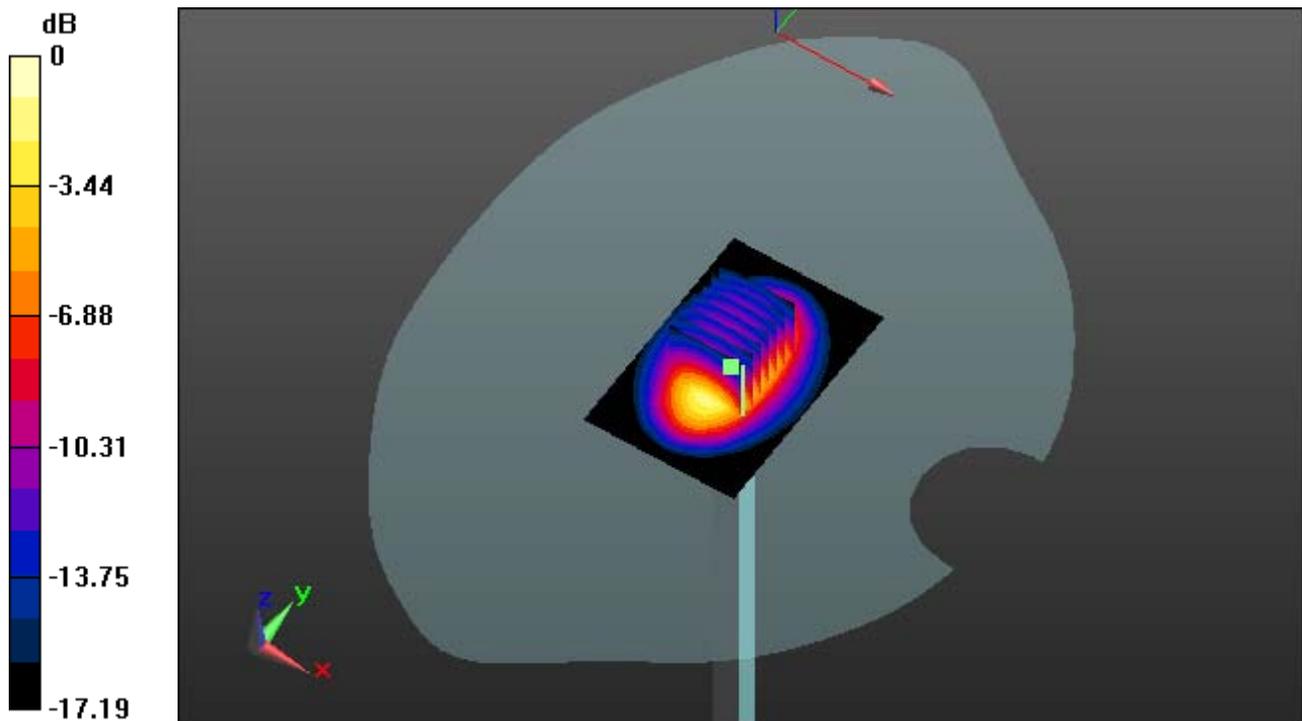
**Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.902 mW/g

**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.36 W/kg**



0 dB = 14.0 mW/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:  $f = 1900$  MHz;  $\sigma = 1.517$  mho/m;  $\epsilon_r = 53.125$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(7.34, 7.34, 7.34); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-06; Ambient Temp: 20.9 Tissue Temp: 21.4

## **Dipole Verification**

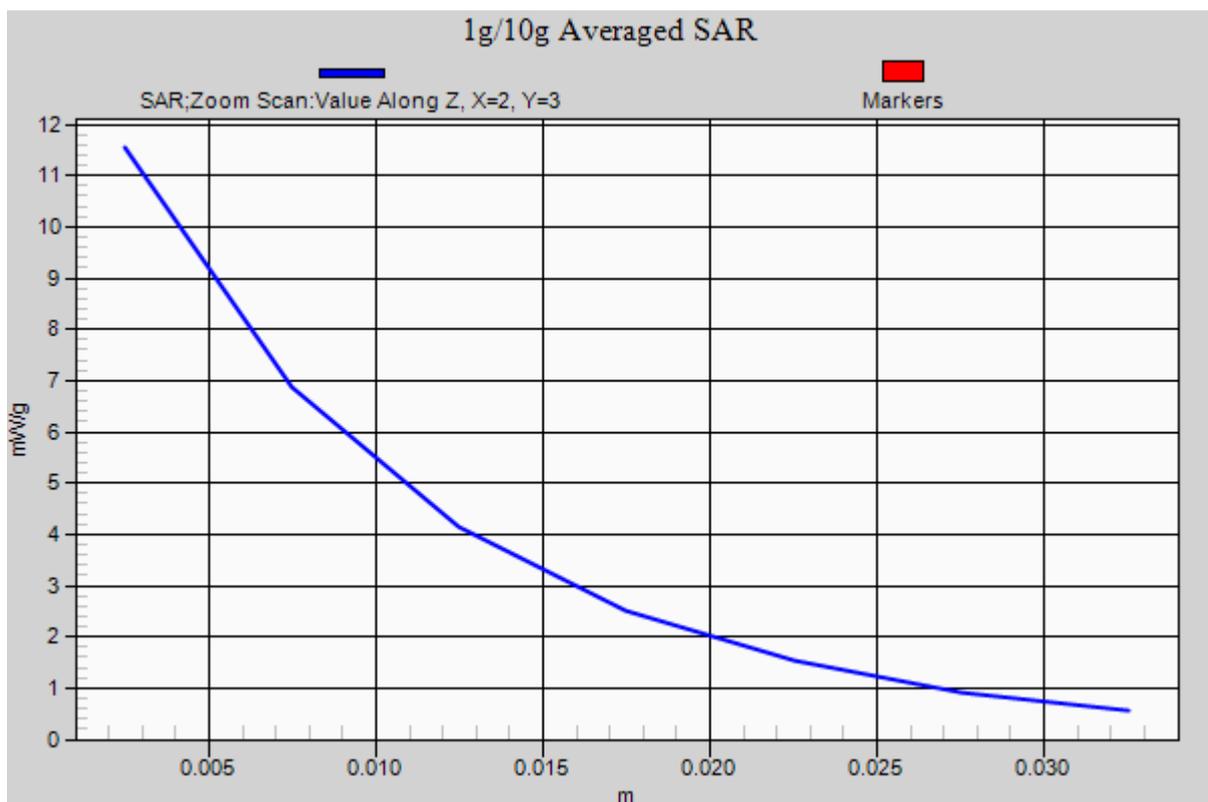
**Area Scan (61x91x1):** Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.902 mW/g

**SAR(1 g) = 10.4 W/kg; SAR(10 g) = 5.36 W/kg**



# 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;  $\sigma = 1.805$  mho/m;  $\epsilon_r = 38.756$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-07; Ambient Temp: 21.3 Tissue Temp: 21.5

## **Dipole Verification**

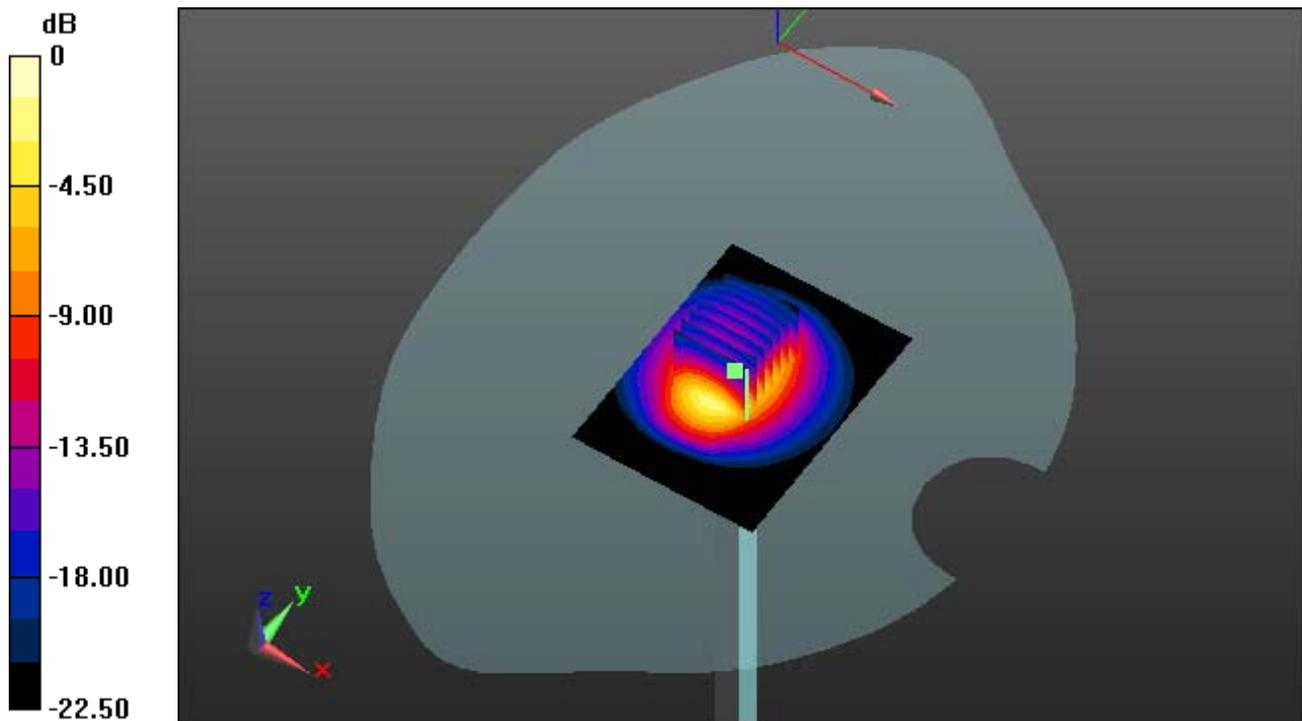
**Area Scan (61x81x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.784 mW/g

SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.24 W/kg



0 dB = 20.5 mW/g

# 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;  $\sigma = 1.805$  mho/m;  $\epsilon_r = 38.756$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.98, 6.98, 6.98); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-07; Ambient Temp: 21.3 Tissue Temp:21.5

## **Dipole Verification**

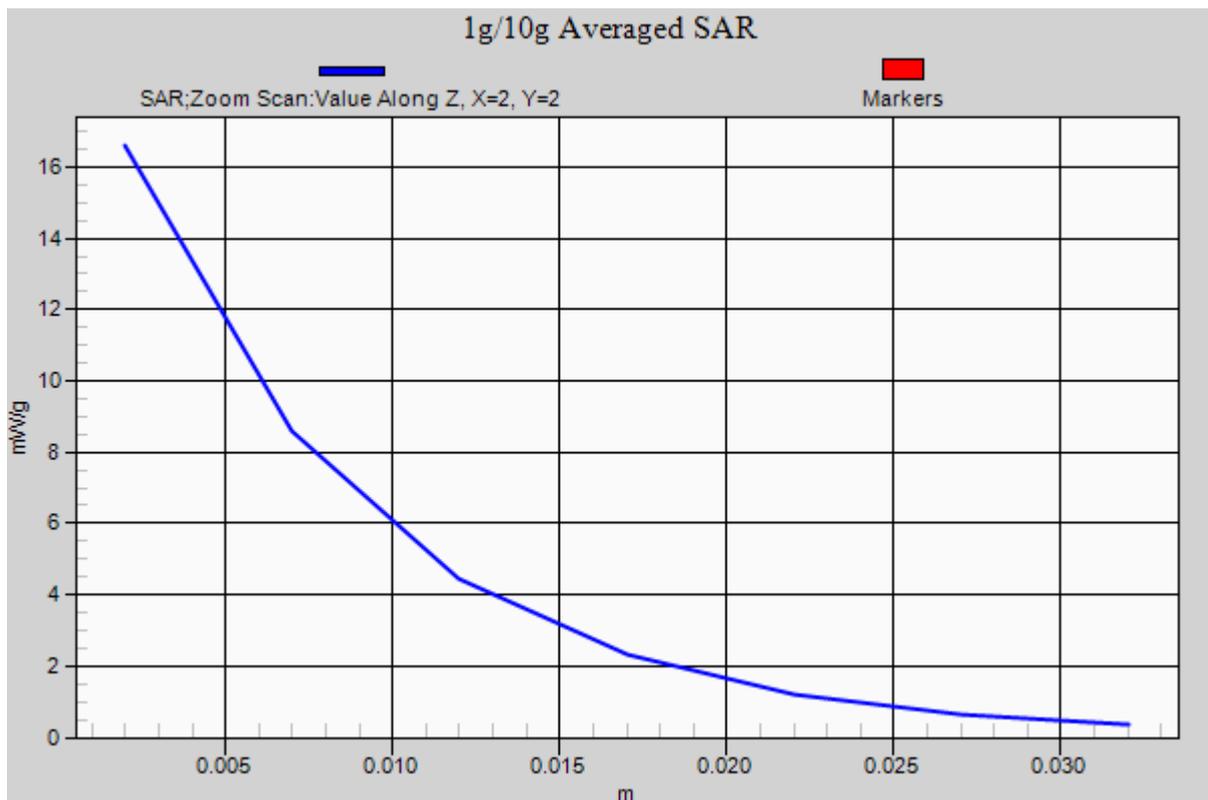
**Area Scan (61x81x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.784 mW/g

**SAR(1 g) = 13.4 W/kg; SAR(10 g) = 6.24 W/kg**



# 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;  $\sigma = 1.988$  mho/m;  $\epsilon_r = 54.443$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-07; Ambient Temp: 21.3 Tissue Temp: 21.5

## **Dipole Verification**

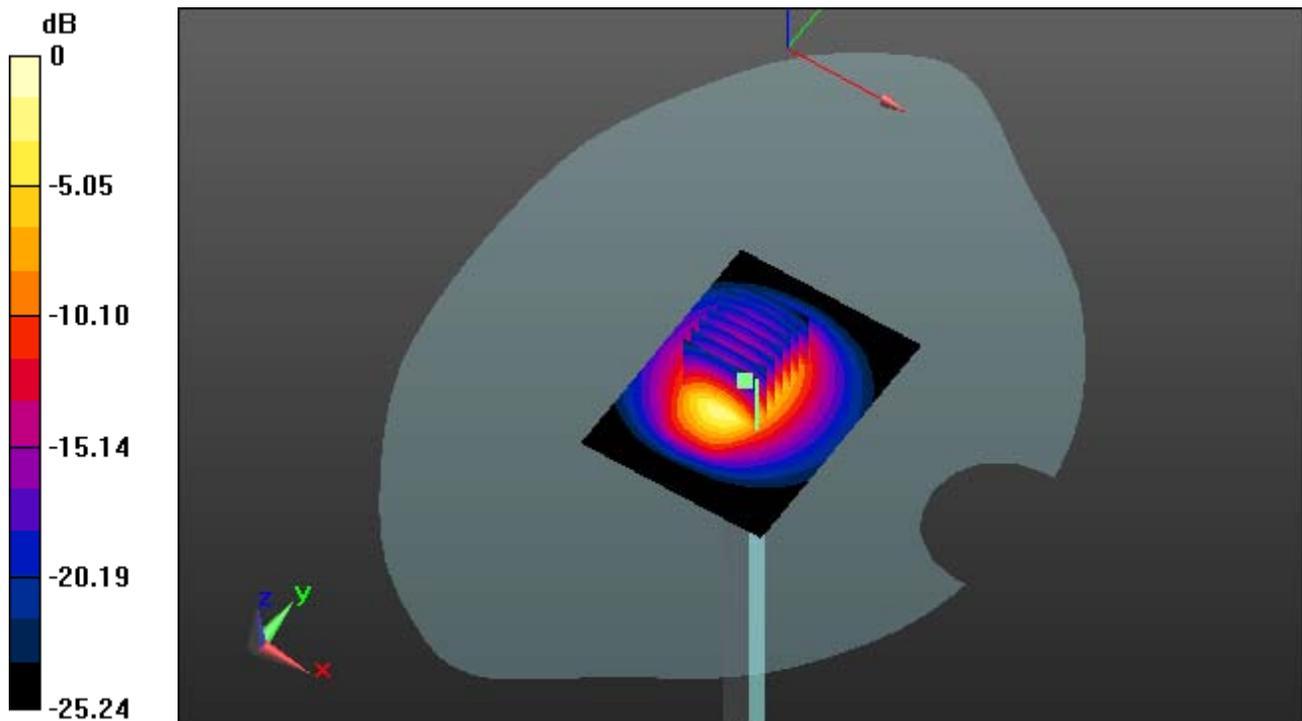
**Area Scan (61x81x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 29.021 mW/g

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.57 W/kg**



0 dB = 20.1 mW/g

# 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;  $\sigma = 1.988$  mho/m;  $\epsilon_r = 54.443$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

## **DASY5 Configuration:**

Probe: EX3DV4 - SN3866; ConvF(6.97, 6.97, 6.97); Calibrated: 2012-06-20; ; Electronics: DAE4 Sn1335

Phantom: SAM with CRP\_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6477)

Test Date: 2013-02-07; Ambient Temp: 21.3 Tissue Temp: 21.5

## **Dipole Verification**

**Area Scan (61x81x1):** Measurement grid: dx=12mm, dy=12mm

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 29.021 mW/g

**SAR(1 g) = 12.7 W/kg; SAR(10 g) = 5.57 W/kg**

