

DUT: Dipole 835 MHz; Serial: 451

Program Name: 835MHz Dipole Validation 2007.01.12

Procedure Name: 835MHz @ 250mW

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-21.8;Test Date-12/Jan/2007

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

Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.9$  mho/m;  $\epsilon_r = 40.7$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(9.48, 9.48, 9.48); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #2; Type: SAM; Serial: TP-1248
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**835MHz @ 250mW/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm  
Maximum value of SAR (interpolated) = 2.56 mW/g

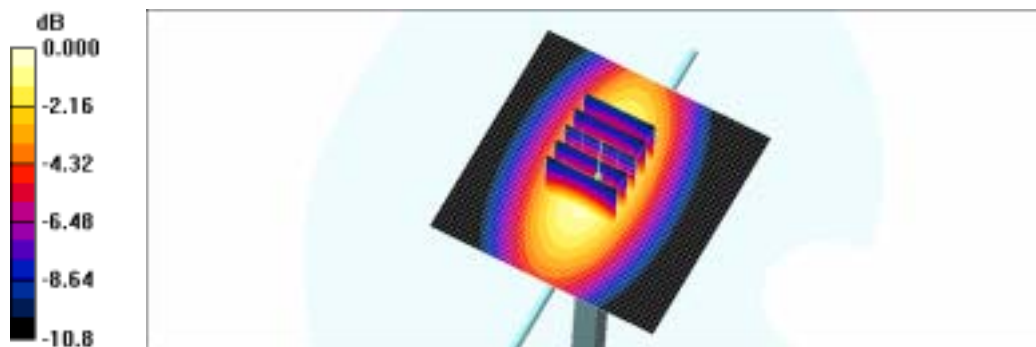
**835MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 53.1 V/m; Power Drift = 0.006 dB

Peak SAR (extrapolated) = 3.58 W/kg

**SAR(1 g) = 2.36 mW/g**

Maximum value of SAR (measured) = 2.55 mW/g



0 dB = 2.55mW/g

DUT: Dipole 1900 MHz; Serial: 5d023

Program Name: 1900MHz Dipole Validation 2007.01.12

Procedure Name: 1900MHz

Meas.Tissue Temp(celsius)-21.5, Ambient Temp-22.0;Test Date-12/Jan/2007

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

Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.36$  mho/m;  $\epsilon_r = 39.2$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Phantom section: Flat Section

DASY4 Configuration:

- Probe: EX3DV4 - SN3537; ConvF(8.32, 8.32, 8.32); Calibrated: 2006-11-23
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn486; Calibrated: 2006-07-17
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

**1900MHz/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 90.4 V/m; Power Drift = -0.039 dB

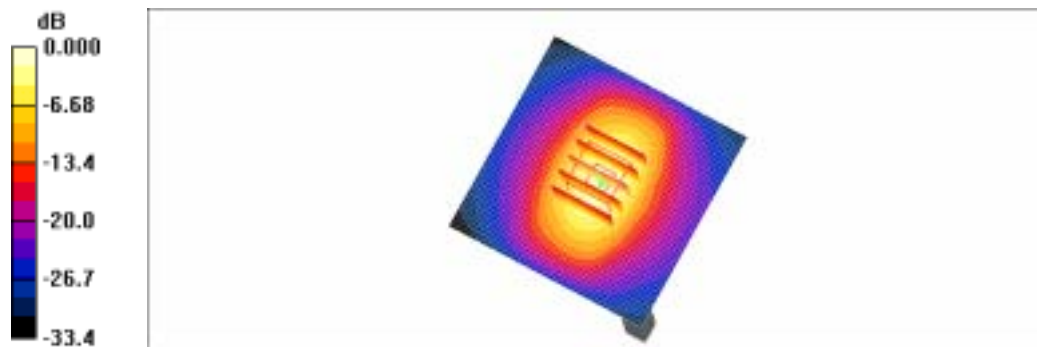
Peak SAR (extrapolated) = 18.4 W/kg

**SAR(1 g) = 9.85 mW/g**

Maximum value of SAR (measured) = 11.0 mW/g

**1900MHz/Area Scan (51x51x1):** Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 14.9 mW/g



0 dB = 14.9mW/g