

835MHz Dipole Validation

DUT: Dipole 835 MHz; Serial: 451

Program Name: 835MHz Dipole Validation 2007.04.24

Procedure Name: 835MHz @ 250mW

Meas. Ambient Temp(celsius)-22.3, Tissue Temp(celsius)-21.9 ;Test Date-24/Apr/2007

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(6.3, 6.3, 6.3); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #2; Type: SAM; Serial: TP-1141
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build 172

835MHz @ 250mW/Area Scan (51x51x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$
Maximum value of SAR (interpolated) = 2.65 mW/g

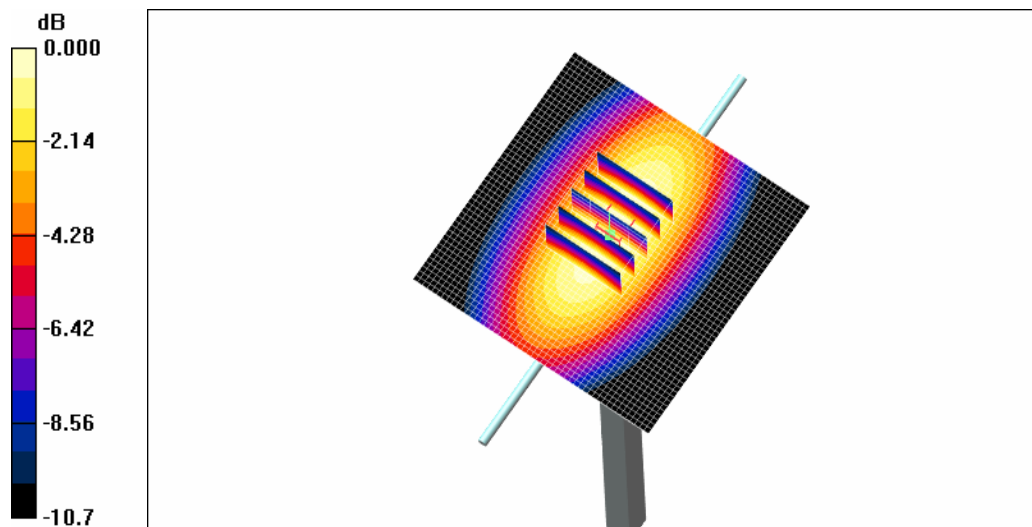
835MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$,
 $dz=5\text{mm}$

Reference Value = 54.4 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 3.62 W/kg

SAR(1 g) = 2.44 mW/g

Maximum value of SAR (measured) = 2.62 mW/g



0 dB = 2.62mW/g

1900MHz Dipole Validation

DUT: Dipole 1900 MHz; Serial: 5d023

Program Name: 1900MHz Dipole Validation 2007.04.23

Procedure Name: 1900MHz @ 250mW

Meas. Ambient Temp(celsius)-21.8, Tissue Temp(celsius)-21.4 ;Test Date-23/Apr/2007

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.46$ mho/m; $\epsilon_r = 41.1$; $\rho = 1000$ kg/m³ ;

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV2 - SN3017; ConvF(5.06, 5.06, 5.06); Calibrated: 2006-09-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn533; Calibrated: 2006-11-16
- Phantom: PHANTOM #1; Type: SAM; Serial: TP-1143
- Measurement SW: DASY4, V4.7 Build 53; Postprocessing SW: SEMCAD, V1.8 Build

172

1900MHz @ 250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 14.2 mW/g

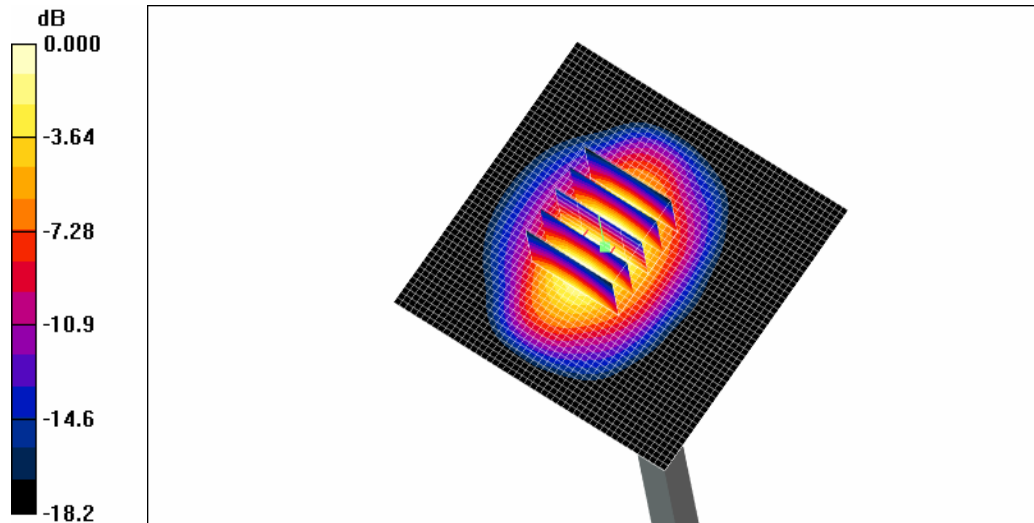
1900MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 80.2 V/m; Power Drift = -0.162 dB

Peak SAR (extrapolated) = 19.2 W/kg

SAR(1 g) = 10.3 mW/g

Maximum value of SAR (measured) = 11.6 mW/g



0 dB = 11.6mW/g