

835MHz Dipole Validation

DUT: Dipole 835 MHz; Serial: 4d014

Program Name: 835MHz Dipole Validation 2006.09.12

Procedure Name: 835MHz @ 250mW

Procedure Notes:

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.9 \text{ mho/m}$; $\epsilon_r = 41.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5.69, 5.69, 5.69); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

835MHz @ 250mW/Area Scan (51x51x1): Measurement grid: $dx=20\text{mm}$, $dy=20\text{mm}$

Maximum value of SAR (interpolated) = 2.64 mW/g

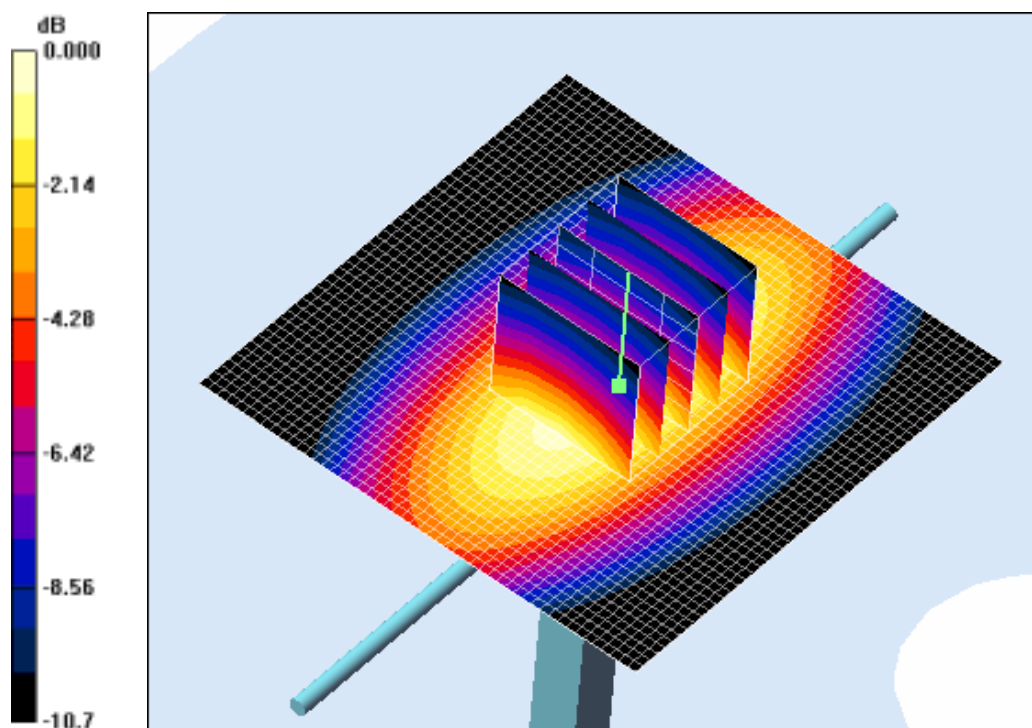
835MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.7 V/m; Power Drift = -0.005 dB

Peak SAR (extrapolated) = 3.70 W/kg

SAR(1 g) = 2.48 mW/g

Maximum value of SAR (measured) = 2.68 mW/g



0 dB = 2.68mW/g

1900 MHz Dipole Validation

DUT: Dipole 1900 MHz; Serial: 5d023

Program Name: 1900MHz Dipole Validation 2006.09.13

Procedure Name: 1900MHz

Procedure Notes:

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.4$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(5, 5, 5); Calibrated: 2006-05-30
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn686; Calibrated: 2006-05-05
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 44; Postprocessing SW: SEMCAD, V1.8 Build 171

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

Reference Value = 82.0 V/m; Power Drift = -0.044 dB

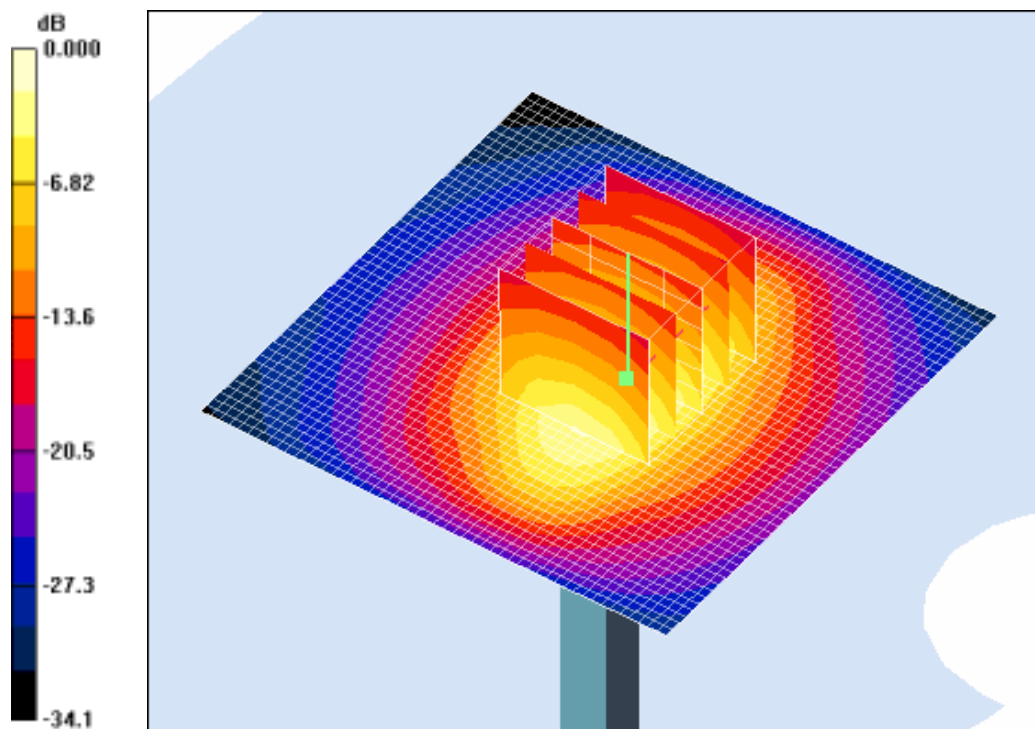
Peak SAR (extrapolated) = 16.7 W/kg

SAR(1 g) = 10 mW/g

Maximum value of SAR (measured) = 11.3 mW/g

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

Maximum value of SAR (interpolated) = 13.1 mW/g



0 dB = 13.1mW/g