

835MHz Dipole Validation

DUT: Dipole 835 MHz; Serial: 4d014

Program Name: 835MHz Dipole Validation 2008.03.20

Procedure Name: 835MHz @ 250mW

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.89 \text{ mho/m}$; $\epsilon_r = 40.8$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(6.1, 6.1, 6.1); Calibrated: 2007-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn486; Calibrated: 2007-04-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Maximum value of SAR (interpolated) = 2.50 mW/g

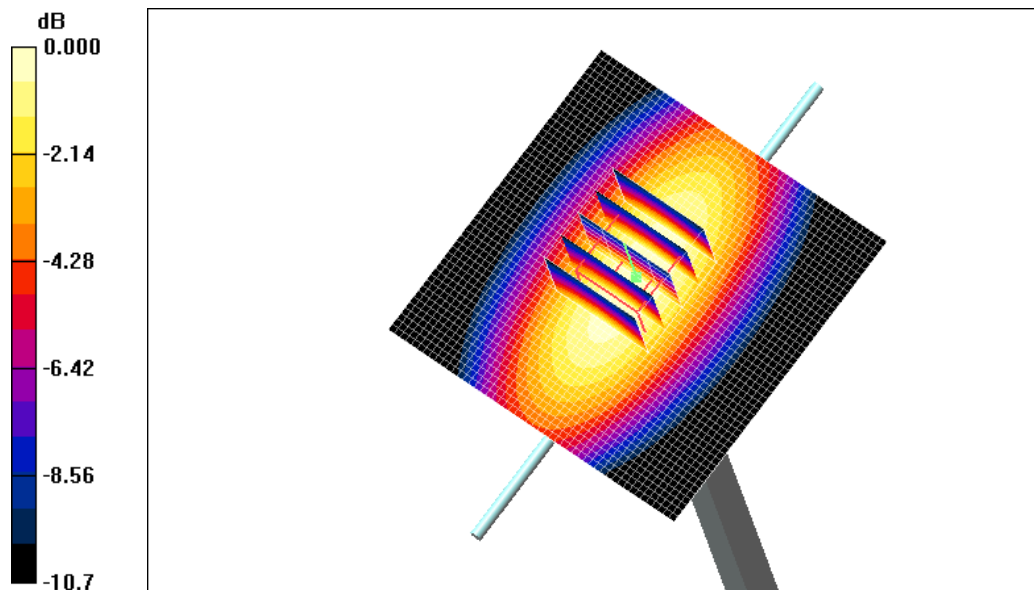
835MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 54.6 V/m; Power Drift = -0.035 dB

Peak SAR (extrapolated) = 3.36 W/kg

SAR(1 g) = 2.32 mW/g; SAR(10 g) = 1.52 mW/g

Maximum value of SAR (measured) = 2.51 mW/g



0 dB = 2.51mW/g

1900MHz Dipole Validation

DUT: Dipole 1900 MHz; Serial: 5d023

Program Name: 1900MHz Dipole Validation 2008.03.19

Procedure Name: 1900MHz

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.37$ mho/m; $\epsilon_r = 38.8$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3085; ConvF(5.04, 5.04, 5.04); Calibrated: 2007-11-19
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn486; Calibrated: 2007-04-30
- Phantom: SAM PHANTOM #1; Type: SAM; Serial: TP-1247
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

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

Reference Value = 89.7 V/m; Power Drift = -0.026 dB

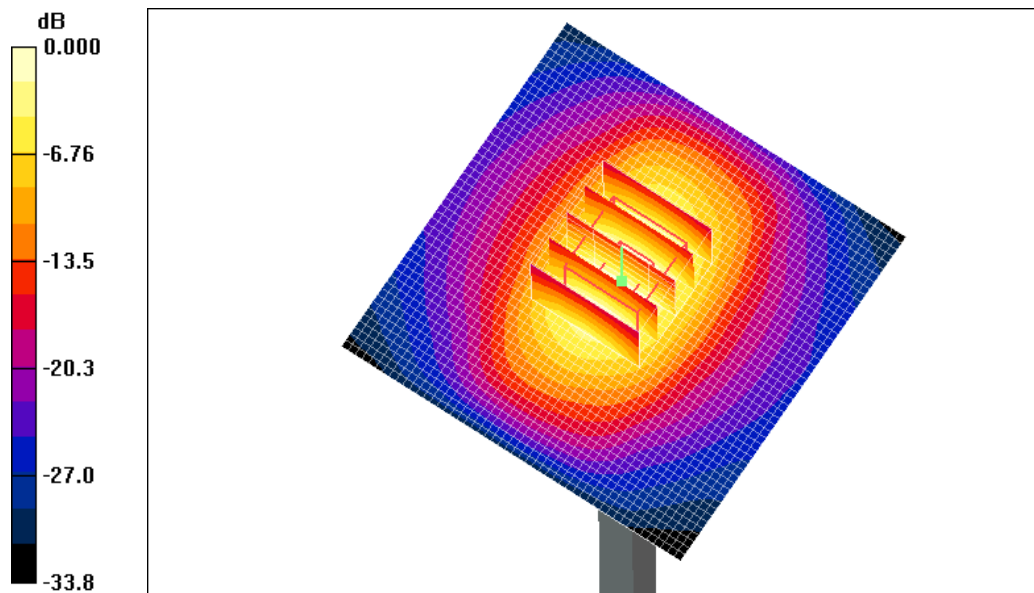
Peak SAR (extrapolated) = 17.6 W/kg

SAR(1 g) = 9.8 mW/g; SAR(10 g) = 5.11 mW/g

Maximum value of SAR (measured) = 11.1 mW/g

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

Maximum value of SAR (interpolated) = 13.9 mW/g



0 dB = 13.9mW/g

2450MHz Dipole Validation

DUT: Dipole 2450 MHz; Serial: D2450V2 - SN:708

Program Name: 2450MHz Dipole Validation 2008.03.21

Procedure Name: 2450MHz @ 250mW

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-01-29
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn486; Calibrated: 2007-04-30
- Phantom: PHANTOM All; Type: SAM; Serial: TP-1364
- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

2450MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.4 V/m; Power Drift = -0.041 dB

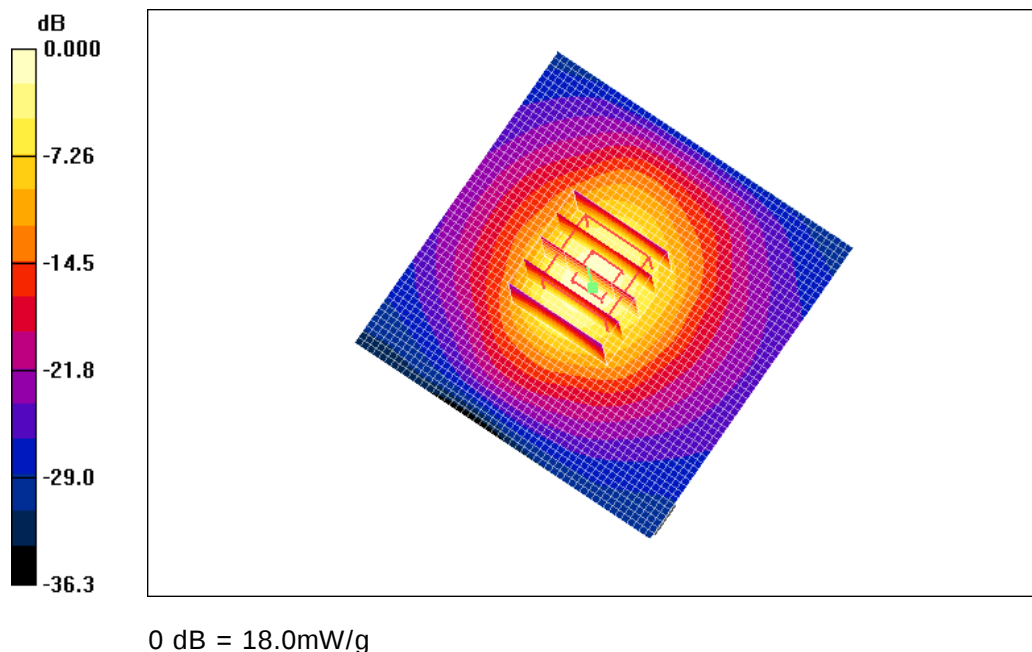
Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.25 mW/g

Maximum value of SAR (measured) = 15.4 mW/g

2450MHz @ 250mW/Area Scan (51x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 18.0 mW/g



2450MHz Dipole Validation

DUT: Dipole 2450 MHz; Serial: D2450V2 - SN:708

Program Name: 2450MHz Dipole Validation 2008.03.21

Procedure Name: 2450MHz @ 250mW

Communication System: CW; Frequency: 2450 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.84$ mho/m; $\epsilon_r = 38.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

- Probe: ES3DV3 - SN3080; ConvF(4.39, 4.39, 4.39); Calibrated: 2008-01-29

- Sensor - Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn486; Calibrated: 2007-04-30

- Phantom: PHANTOM All; Type: SAM; Serial: TP-1364

- Measurement SW: DASY4, V4.7 Build 55; Postprocessing SW: SEMCAD, V1.8 Build 176

2450MHz @ 250mW/Area Scan (51x51x1): Measurement grid:

dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 18.0 mW/g

2450MHz @ 250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid:

dx=8mm, dy=8mm, dz=5mm

Reference Value = 87.4 V/m; Power Drift = -0.041 dB

Peak SAR (extrapolated) = 28.1 W/kg

SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.25 mW/g

Maximum value of SAR (measured) = 15.4 mW/g

