
SAR VALIDATION PLOTS

1. GSM850 VALIDATION PLOTS

1) Freq. : 835MHzValidation

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: $f = 835 \text{ MHz}$; $\sigma = 0.878 \text{ mho/m}$; $\epsilon_r = 40.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(6.66, 6.66, 6.66); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

Phantom: SAM with 835MHz; Type: SAM; Serial: TP-1223

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-08-30; Ambient Temp: 22.0; Tissue Temp: 22.5

Dipole Validation

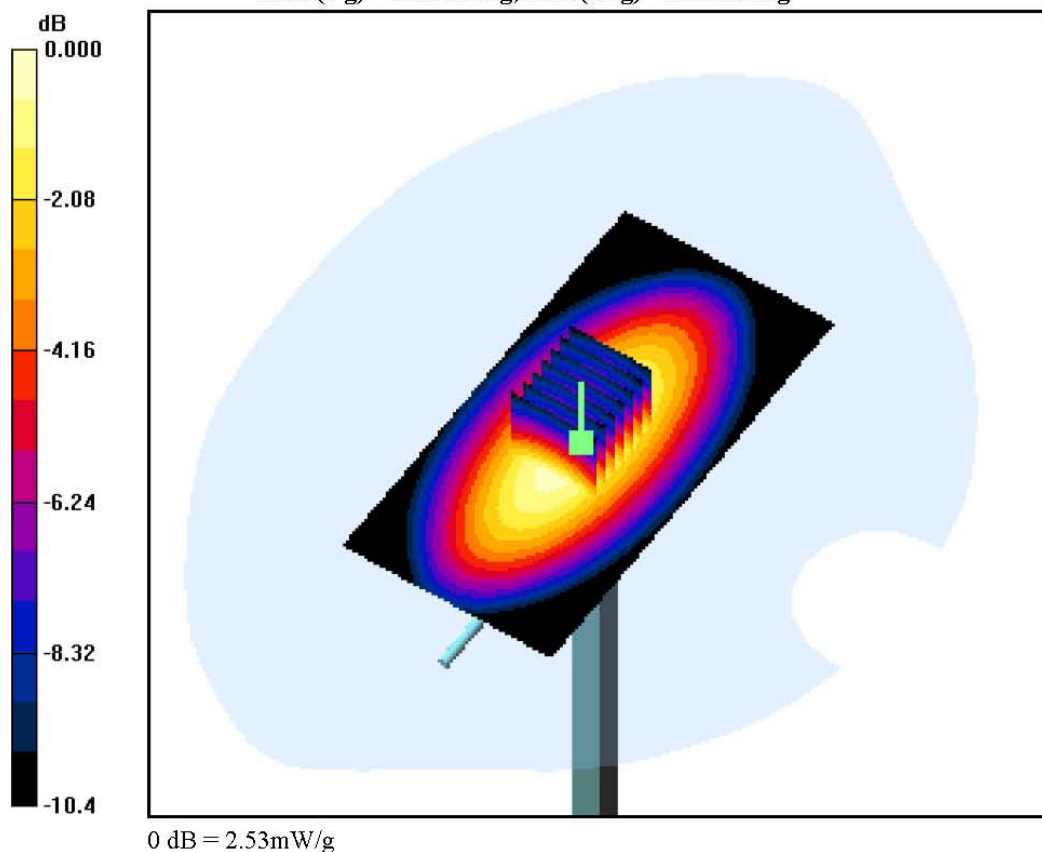
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$

Power Drift = -0.014 dB

Peak SAR (extrapolated) = 3.54 W/kg

SAR(1 g) = 2.34 mW/g; SAR(10 g) = 1.53 mW/g



2. PCS1900 VALIDATION PLOTS

1) Fre : 1900MHzValidation

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; $\sigma = 1.39$ mho/m; $\epsilon_r = 39.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6 - SN1702; ConvF(5.29, 5.29, 5.29); Calibrated: 2006-03-23; Electronics: DAE3 Sn519

Phantom: SAM 1800/1900 MHz; Type: SAM; Serial: TP-1224

Measurement SW: DASY4, V4.6 Build 23; Postprocessing SW: SEMCAD, V1.8 Build 161

Test Date: 2006-09-01; Ambient Temp: 21.5; Tissue Temp: 22.0

Dipole Validation

Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.034 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 10 mW/g; SAR(10 g) = 5.24 mW/g

