

Dipole Verification Plots

DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.988$ mho/m; $\epsilon_r = 54$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3327; ConvF(6.1, 6.1, 6.1); Calibrated: 2013-09-10; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-10-05; Ambient Temp: 22.0; Tissue Temp: 22.7

835 MHz System Verification

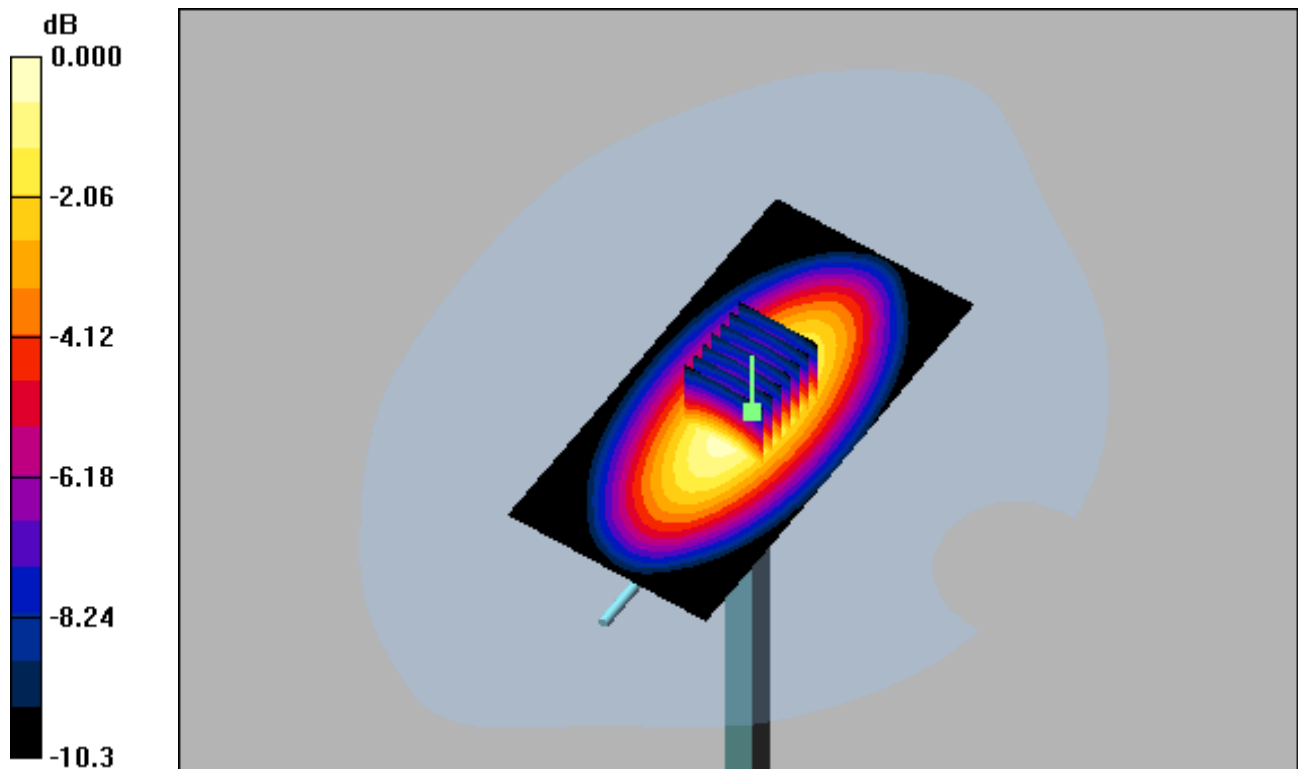
Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.013 dB

Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.49 W/kg



0 dB = 3.44mW/g

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-10-05; Ambient Temp: 22.0; Tissue Temp: 22.7

835 MHz System Verification

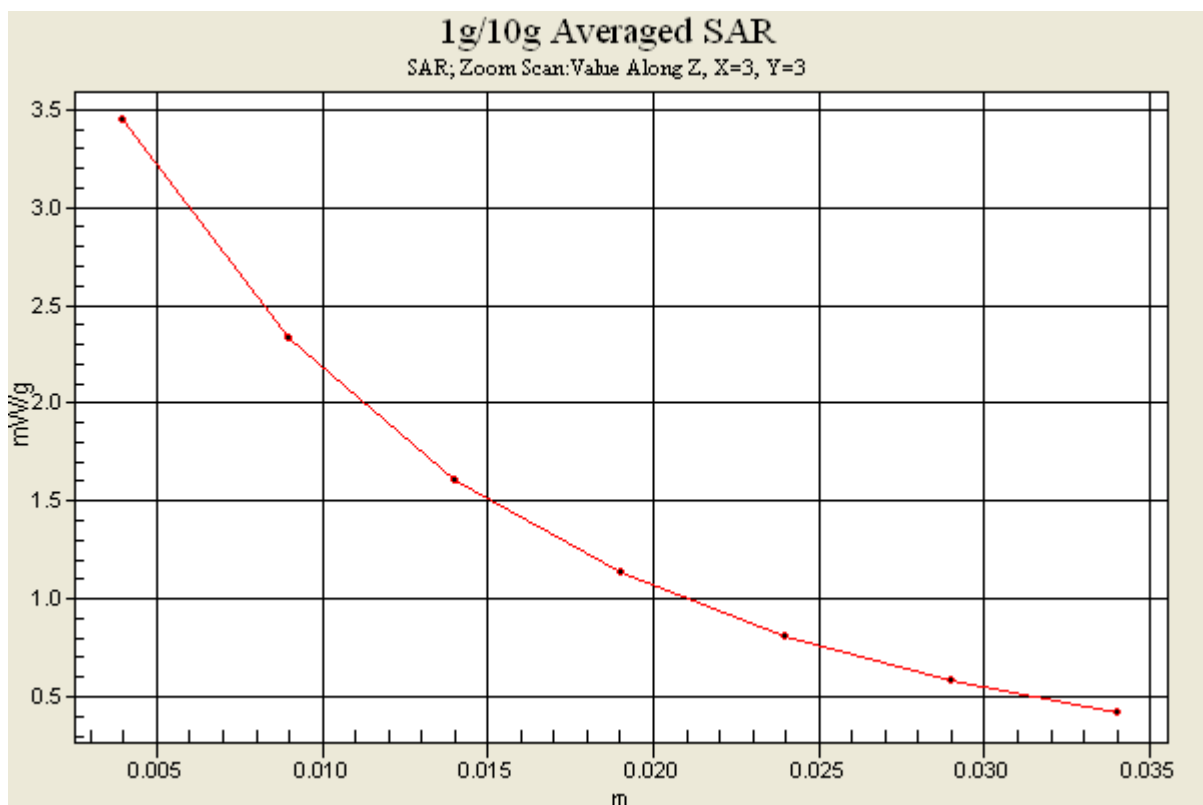
Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.013 dB

Peak SAR (extrapolated) = 4.75 W/kg

SAR(1 g) = 2.19 W/kg; SAR(10 g) = 1.49 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

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

Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.991 \text{ mho/m}$; $\epsilon_r = 53.9$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3327; ConvF(6.1, 6.1, 6.1); Calibrated: 2013-09-10; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-10-07; Ambient Temp: 22.1; Tissue Temp: 22.6

835 MHz System Verification

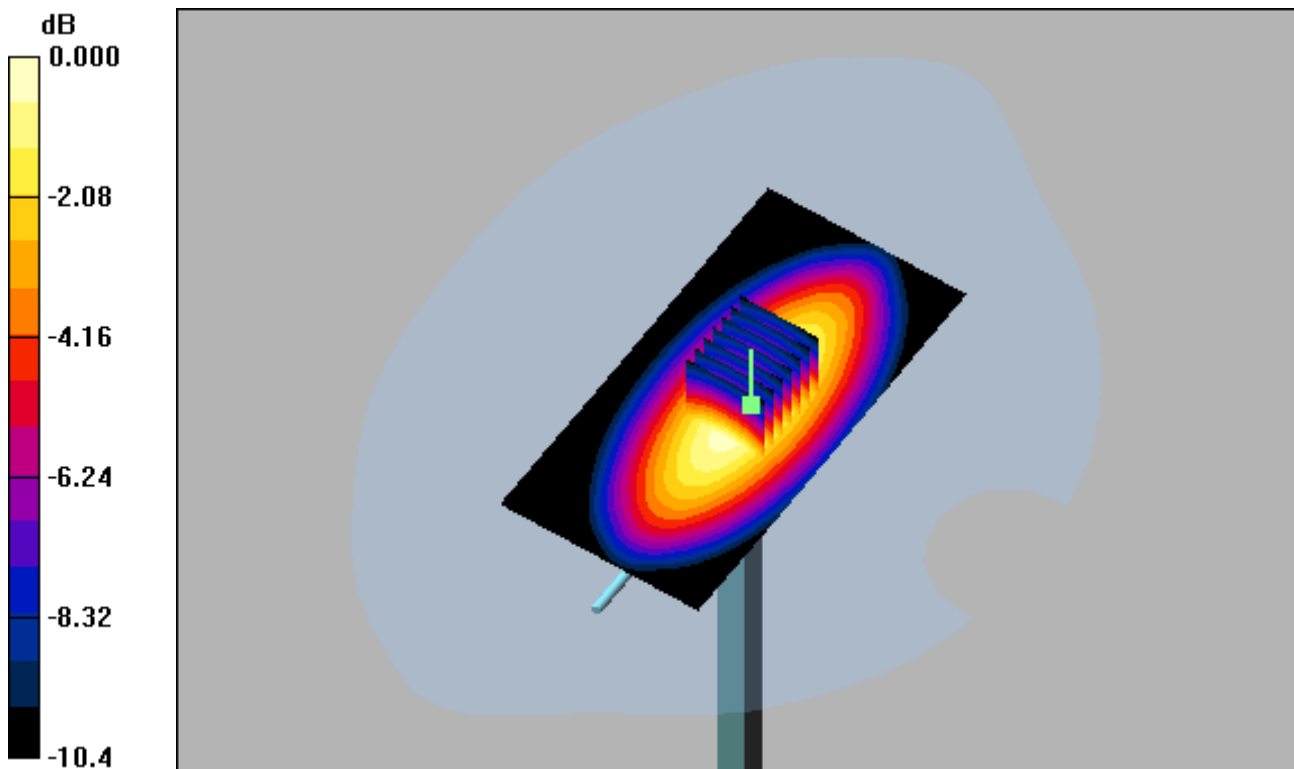
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.016 dB

Peak SAR (extrapolated) = 3.54 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.61 W/kg



0 dB = 3.34mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:4d159

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

Medium parameters used: $f = 835$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 53.9$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3327; ConvF(6.1, 6.1, 6.1); Calibrated: 2013-09-10; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-10-07; Ambient Temp: 22.1; Tissue Temp: 22.6

835 MHz System Verification

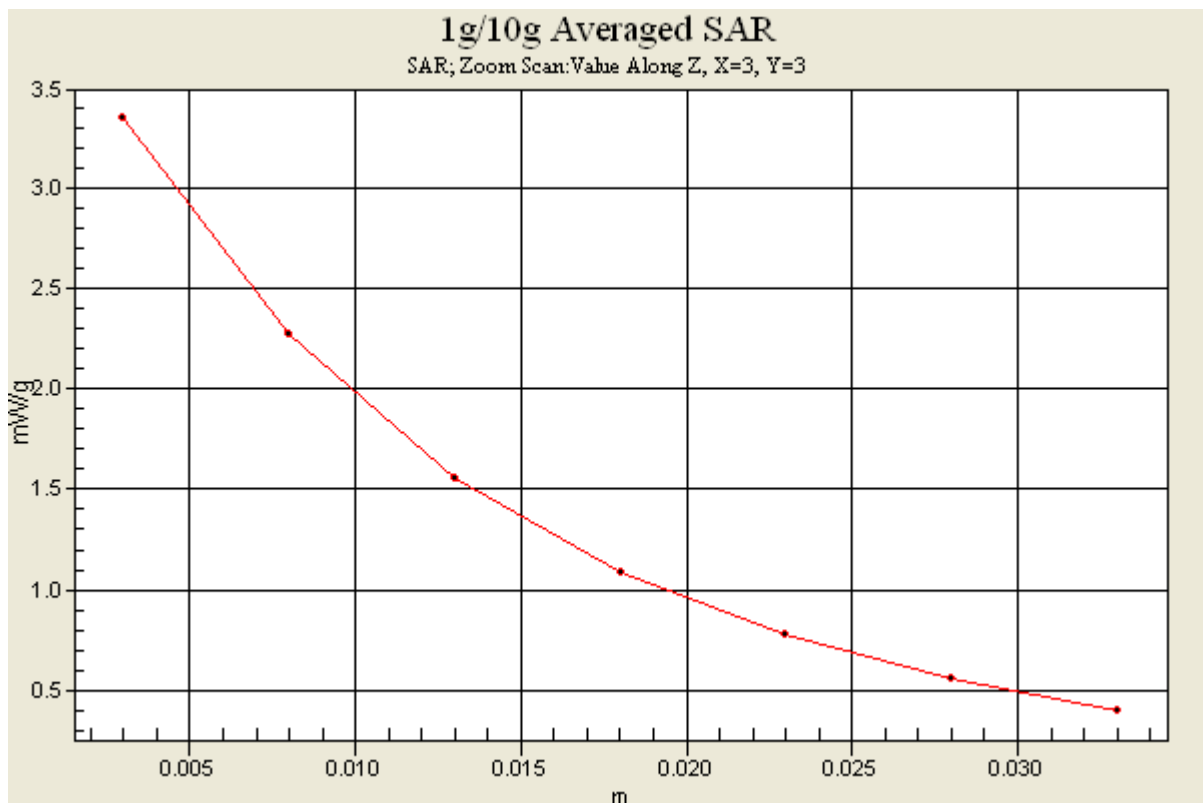
Area Scan (51x101x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = 0.016 dB

Peak SAR (extrapolated) = 3.54 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.61 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 2013-09-10; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-10-08; Ambient Temp: 22.3; Tissue Temp: 22.8

1900 MHz System Verification

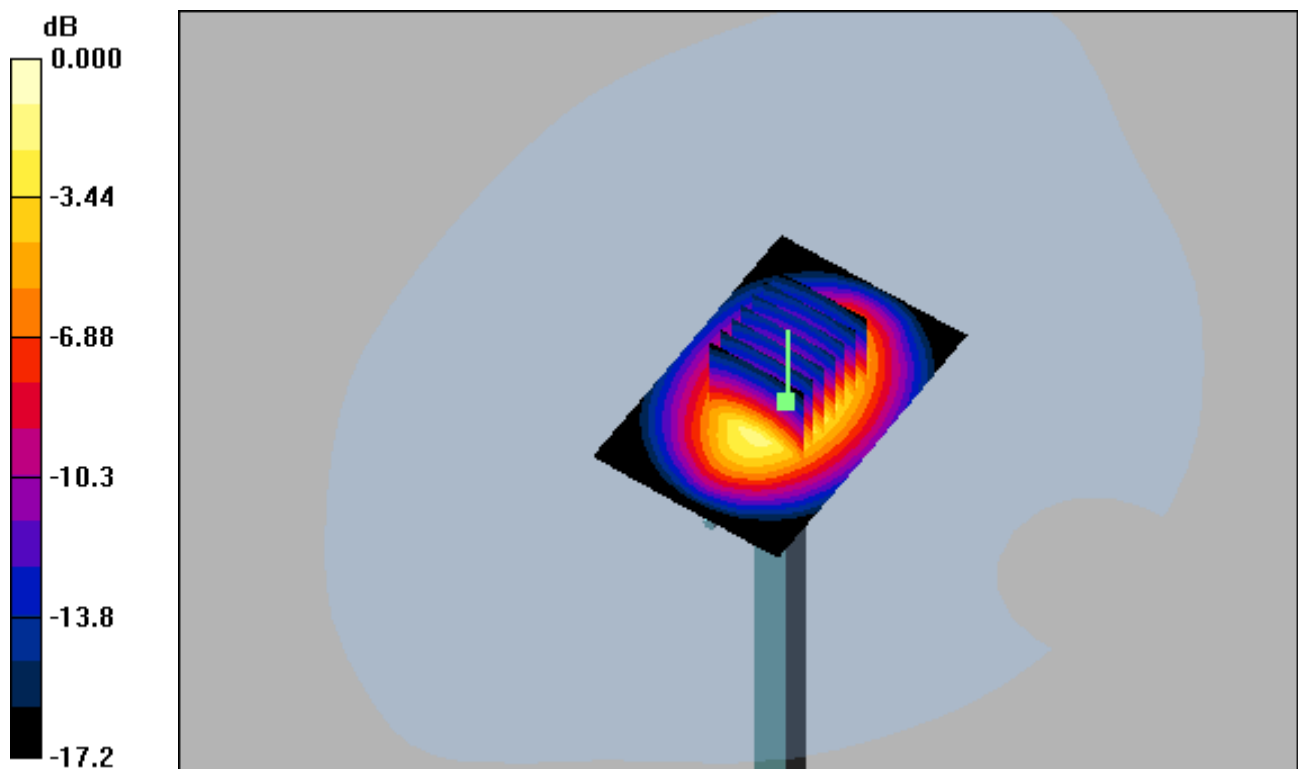
Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.027 dB

Peak SAR (extrapolated) = 22.9 W/kg

SAR(1 g) = 10.6 W/kg; SAR(10 g) = 5.69 W/kg



0 dB = 16.1mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d176

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

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 54.7$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ES3DV3 - SN3327; ConvF(4.67, 4.67, 4.67); Calibrated: 2013-09-10; Electronics: DAE3 Sn519

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

Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Test Date: 2013-10-08; Ambient Temp: 22.3; Tissue Temp: 22.8

1900 MHz System Verification

Area Scan (61x91x1): Measurement grid: dx=10mm, dy=10mm

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

Power Drift = 0.027 dB

Peak SAR (extrapolated) = 22.9 W/kg

SAR(1 g) = 10.6 Y μ i ; SAR(10 g) = 5.69 Y μ i

