

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: $f = 835 \text{ MHz}$; $\sigma = 0.881 \text{ mho/m}$; $\epsilon_r = 42.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(6.54, 6.54, 6.54); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-31; Ambient Temp: 22.2; Tissue Temp: 22.8

835 MHz System Verification

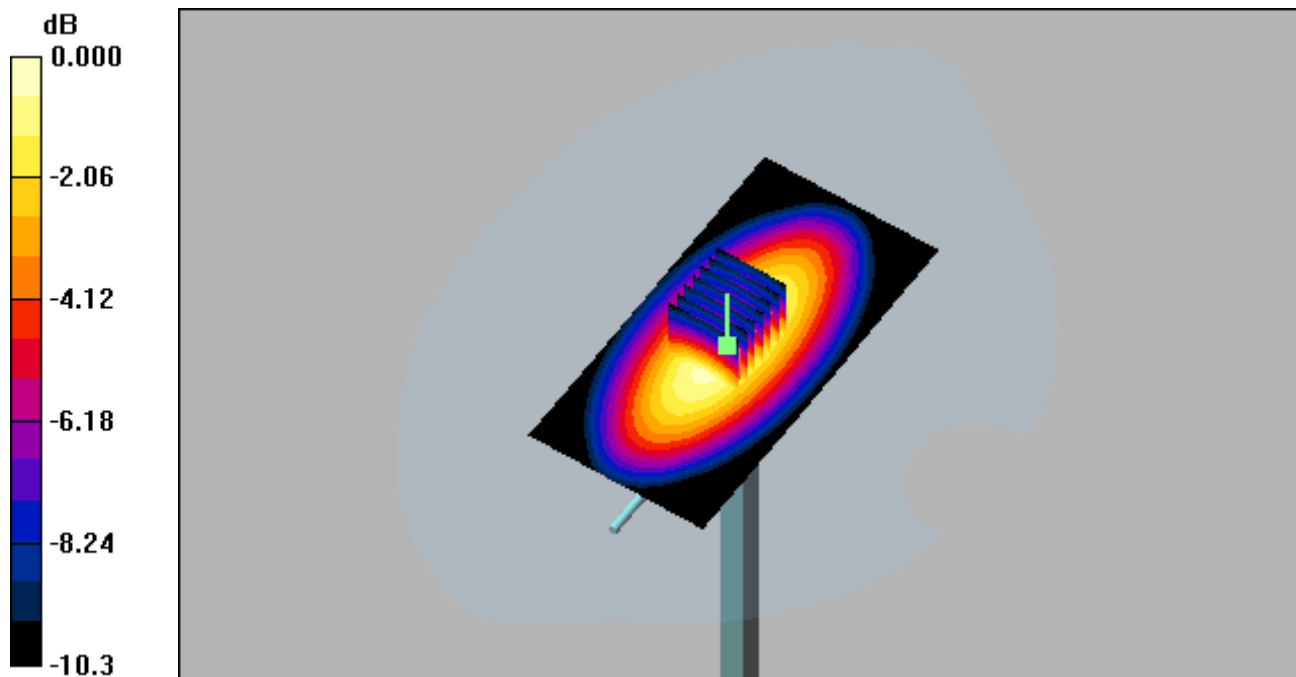
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.038 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.53 mW/g



0 dB = 2.52mW/g

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

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Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(6.54, 6.54, 6.54); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-31; Ambient Temp: 22.2; Tissue Temp: 22.8

835 MHz System Verification

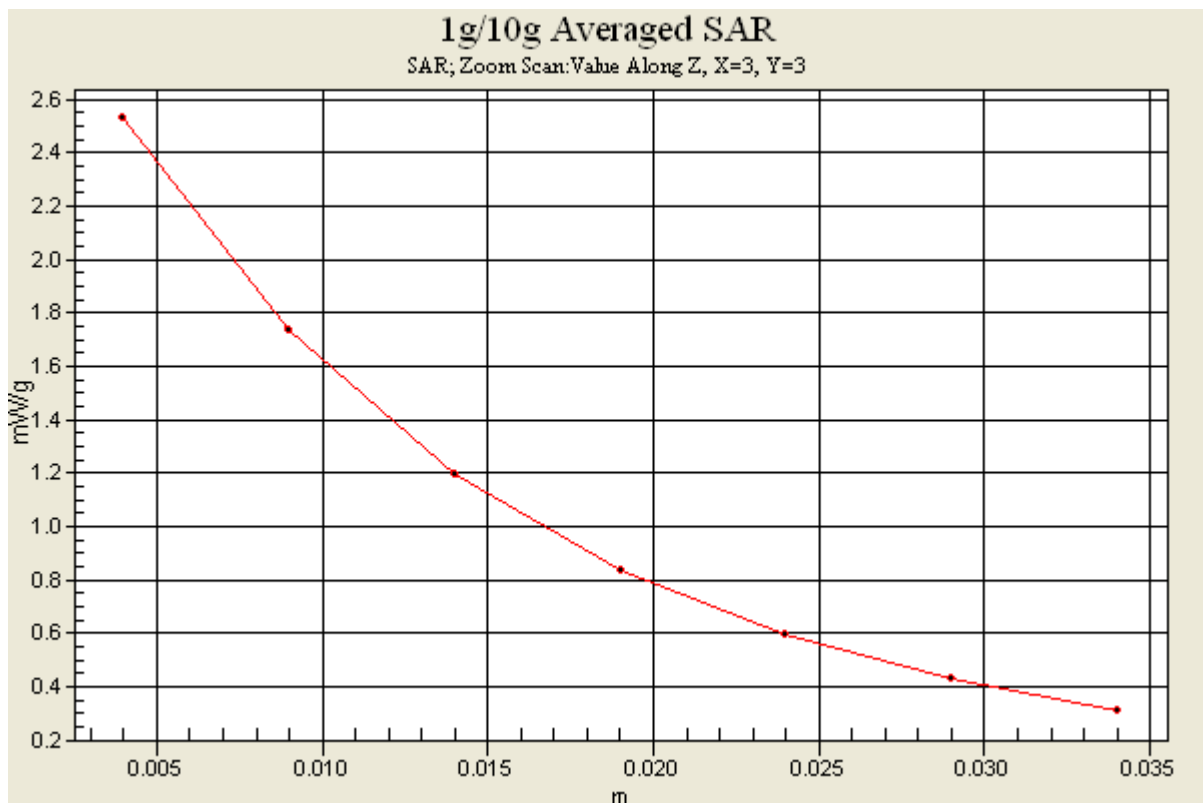
Area Scan (51x101x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.038 dB

Peak SAR (extrapolated) = 3.34 W/kg

SAR(1 g) = 2.33 mW/g; SAR(10 g) = 1.53 mW/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: $f = 835 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-31 Ambient Temp: 22.2; Tissue Temp: 22.6

835 MHz System Verification

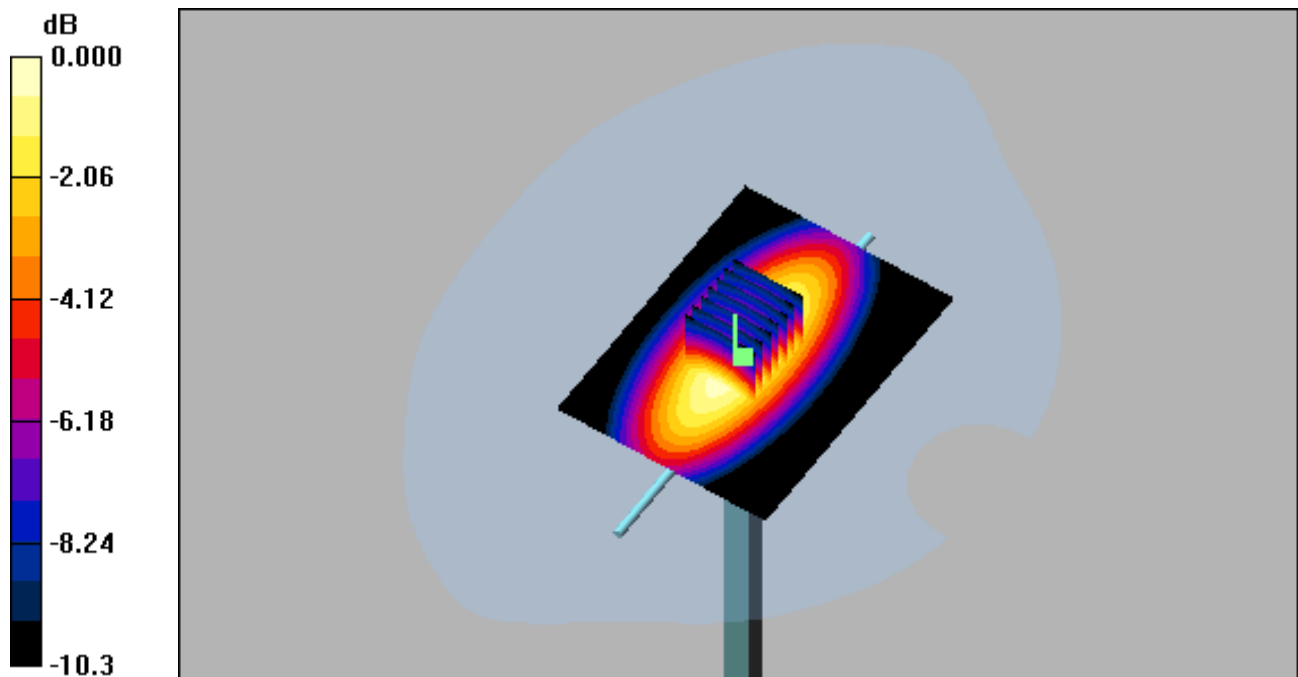
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.017 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.45 mW/g



0 dB = 2.40mW/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: $f = 835 \text{ MHz}$; $\sigma = 0.986 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(6.39, 6.39, 6.39); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-31; Ambient Temp: 22.2; Tissue Temp: 22.6

835 MHz System Verification

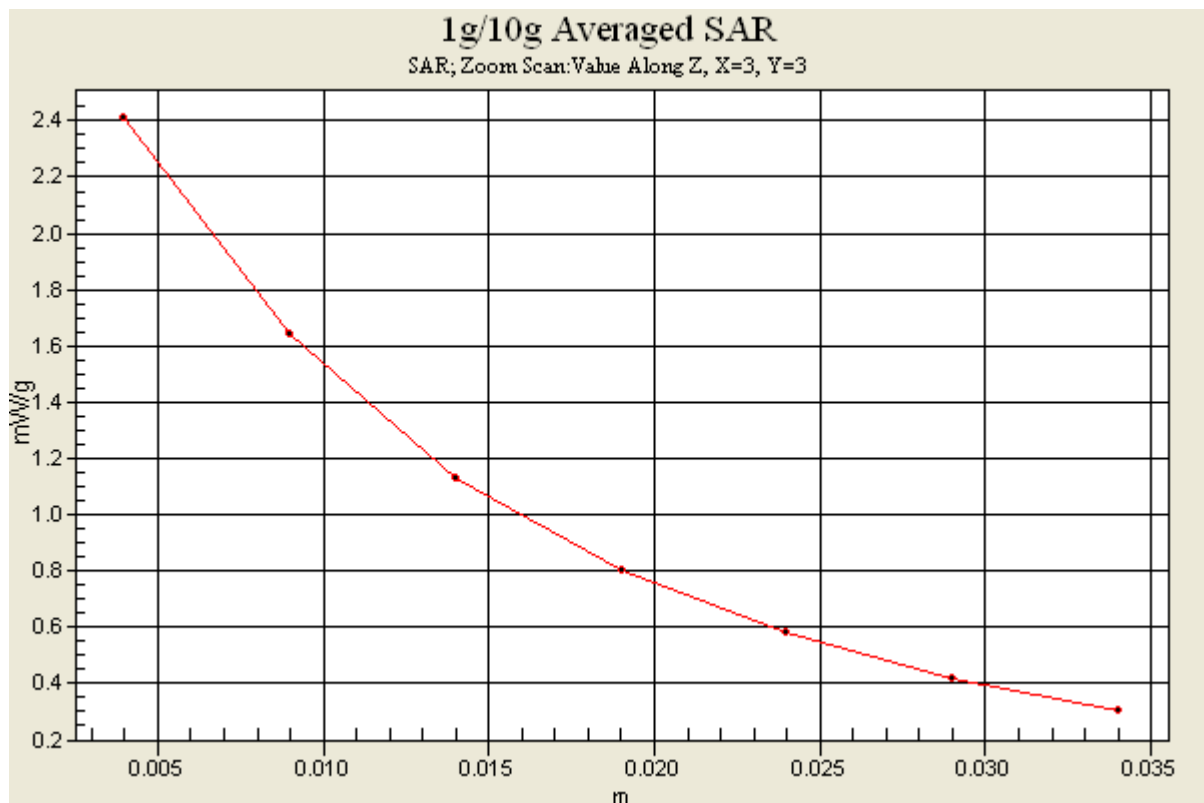
Area Scan (61x81x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.017 dB

Peak SAR (extrapolated) = 3.26 W/kg

SAR(1 g) = 2.22 mW/g; SAR(10 g) = 1.45 mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.42 \text{ mho/m}$; $\epsilon_r = 40.1$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-30; Ambient Temp: 21.7; Tissue Temp: 22.2

1900 MHz System Verification

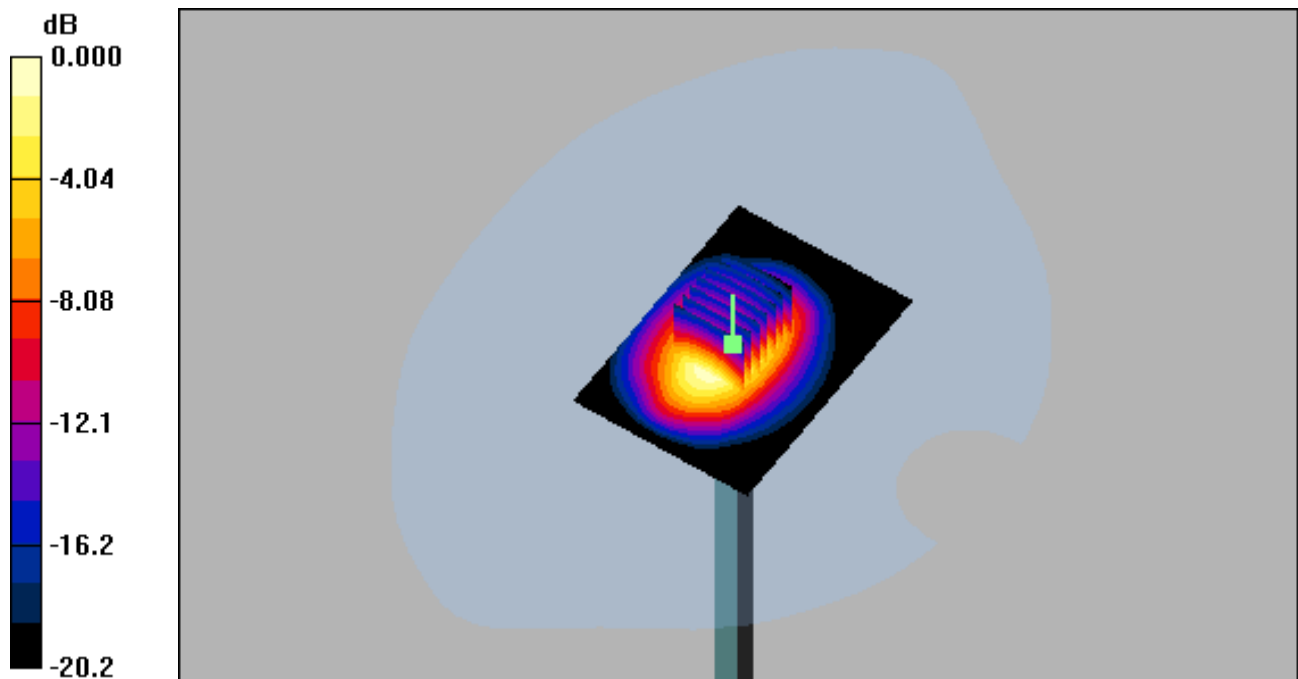
Area Scan (51x71x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.73 mW/g; SAR(10 g) = 4.91 mW/g



0 dB = 11.0mW/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; $\sigma = 1.42$ mho/m; $\epsilon_r = 40.1$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(5.19, 5.19, 5.19); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-30; Ambient Temp: 21.7; Tissue Temp: 22.2

1900 MHz System Verification

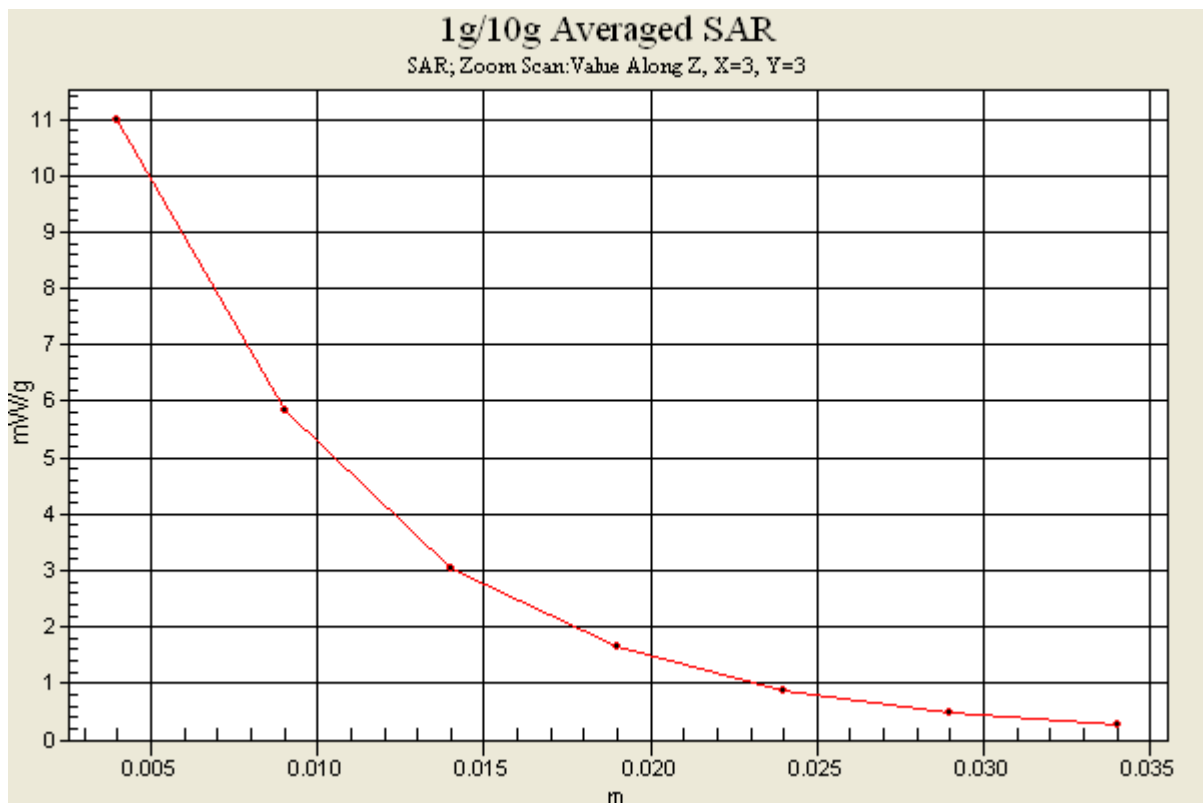
Area Scan (51x71x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 9.73 mW/g; SAR(10 g) = 4.91 mW/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: $f = 1900 \text{ MHz}$; $\sigma = 1.52 \text{ mho/m}$; $\epsilon_r = 54.5$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(4.58, 4.58, 4.58); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-30; Ambient Temp: 21.7; Tissue Temp: 22.3

1900 MHz System Verification

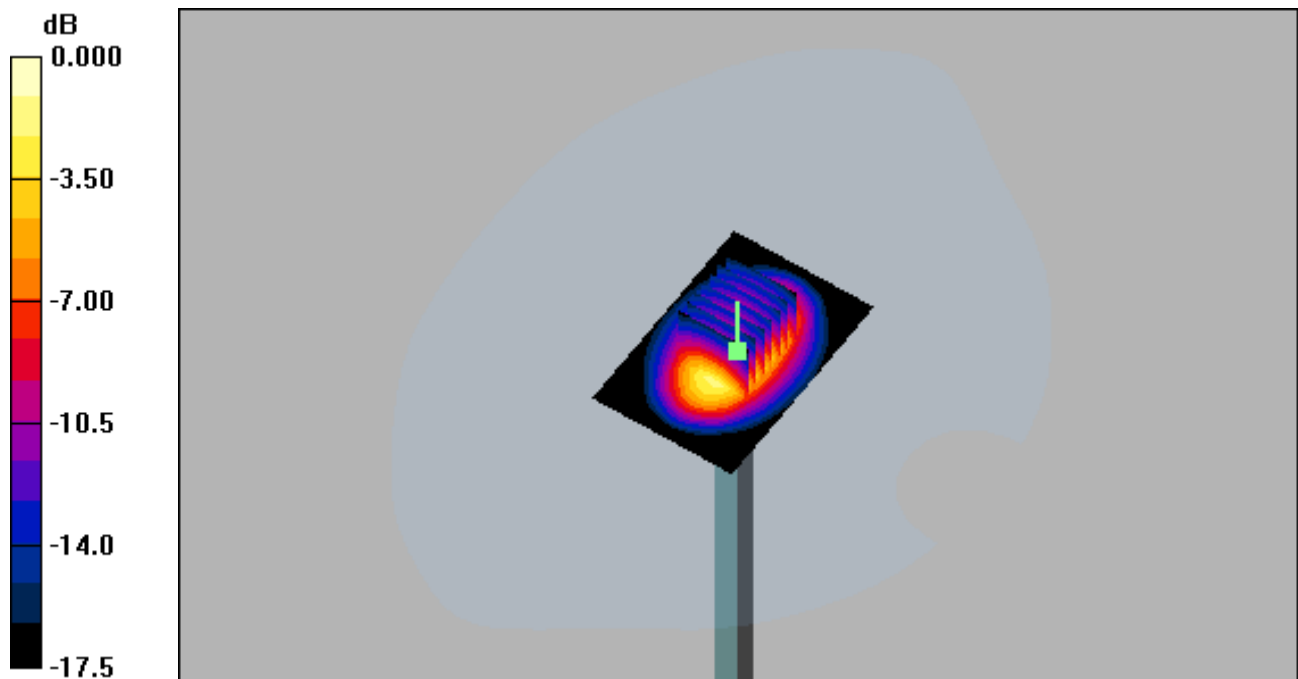
Area Scan (61x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.43 mW/g



0 dB = 12.0mW/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; $\epsilon_r = 54.5$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY4 Configuration:

Probe: ET3DV6R - SN1703; ConvF(4.58, 4.58, 4.58); Calibrated: 2013-07-29; Electronics: DAE3 Sn520

Phantom: SAM with CRP; Type: SAM; Serial: TP-1221

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

Test Date: 2013-10-30; Ambient Temp: 21.7; Tissue Temp: 22.3

1900 MHz System Verification

Area Scan (61x91x1): Measurement grid: dx=15mm, dy=15mm

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

Power Drift = -0.035 dB

Peak SAR (extrapolated) = 18.0 W/kg

SAR(1 g) = 10.4 mW/g; SAR(10 g) = 5.43 mW/g

