Dipole Validation Plots

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

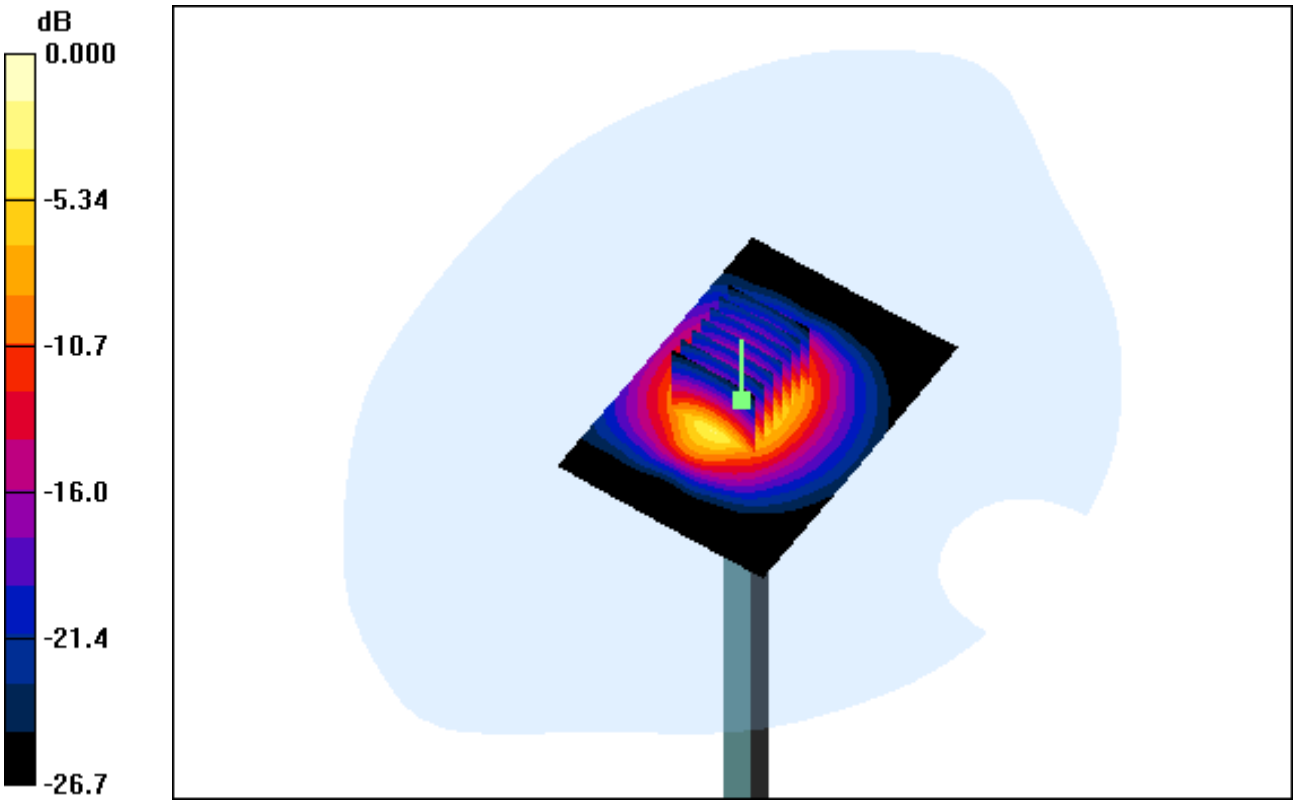
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012-02-24; 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: 2012-07-12; Ambient Temp: 22.0; Tissue Temp:22.2

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 = 0.072 dB
Peak SAR (extrapolated) = 36.8 W/kg
SAR(1 g) = 14.3 mW/g; SAR(10 g) = 5.97 mW/g



0 dB = 19.3mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

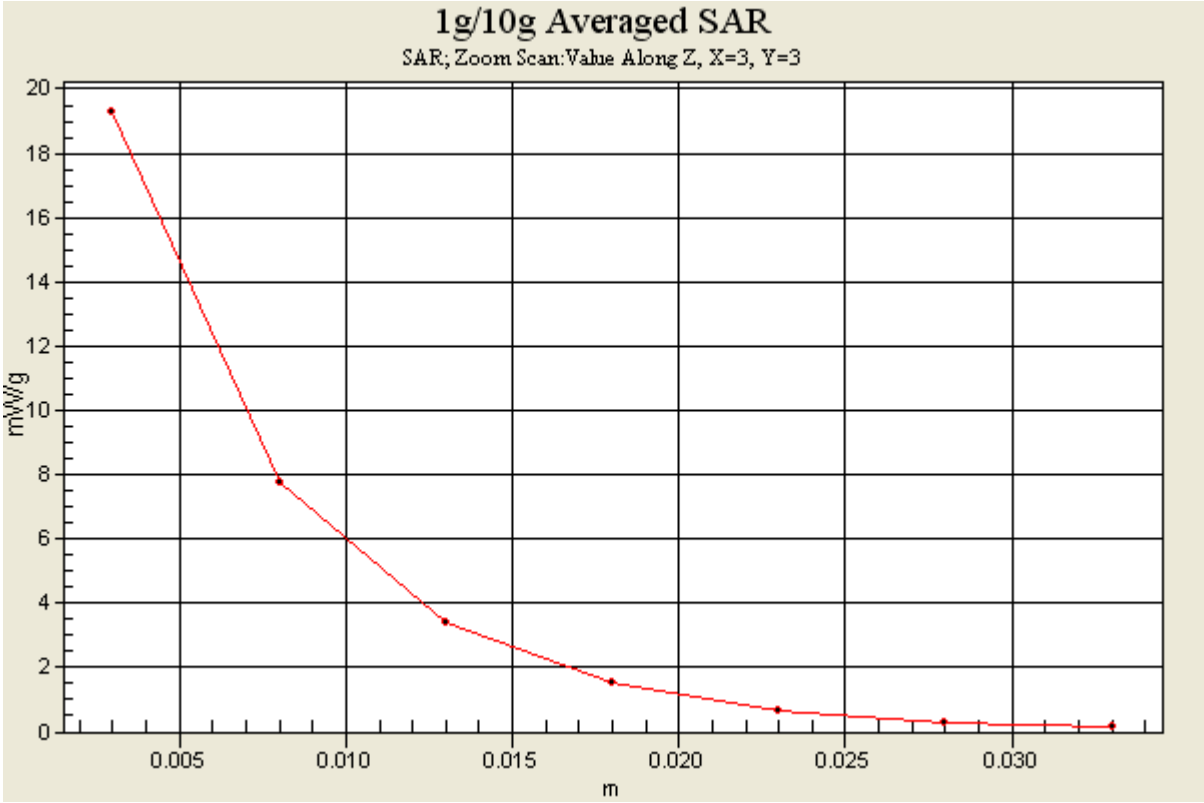
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.19 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012-02-24; 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: 2012-07-12; Ambient Temp: 22.0; Tissue Temp:22.2

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 = 0.072 dB
Peak SAR (extrapolated) = 36.8 W/kg
SAR(1 g) = 14.3 mW/g; SAR(10 g) = 5.97 mW/g



DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

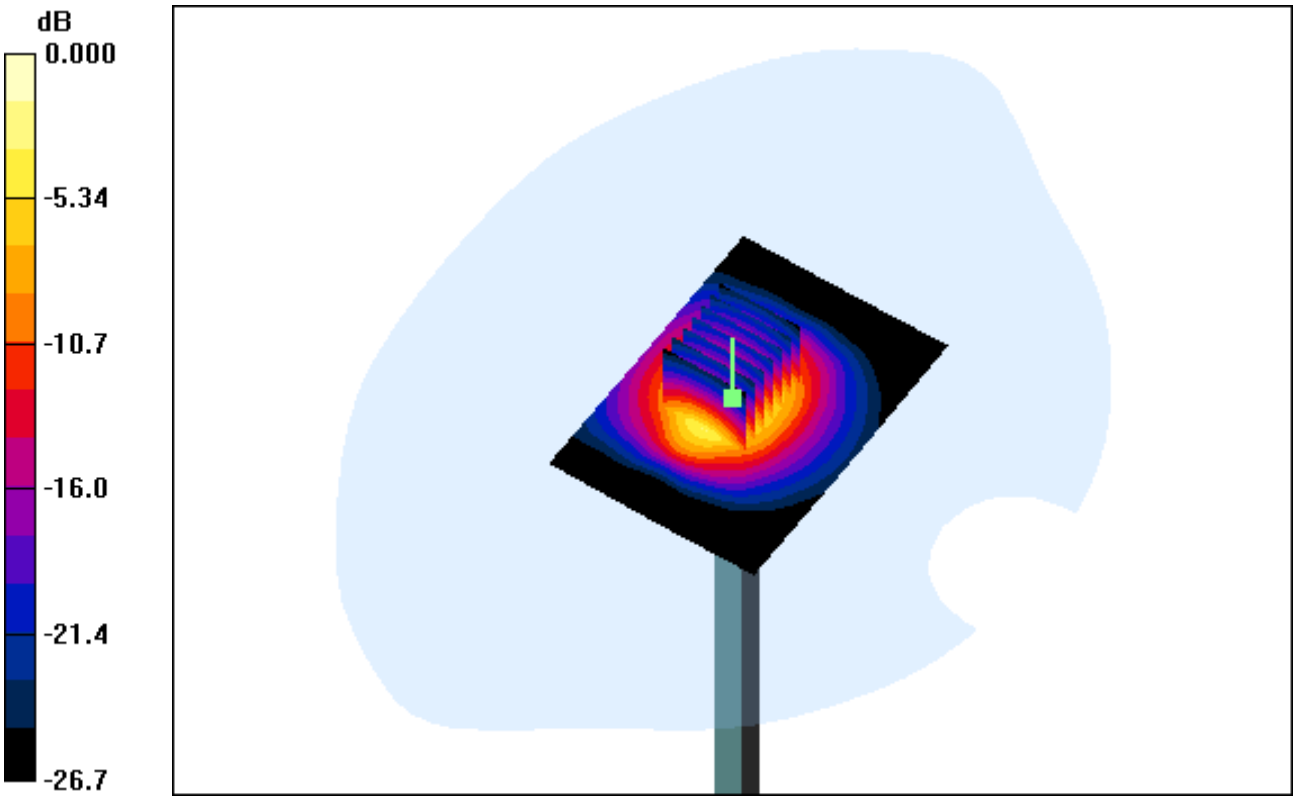
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.21 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012-02-24; 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: 2012-07-13; Ambient Temp: 22.1; Tissue Temp:22.4

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 = 0.082 dB
Peak SAR (extrapolated) = 37.2 W/kg
SAR(1 g) = 14.5 mW/g; SAR(10 g) = 6.02 mW/g



0 dB = 19.4mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

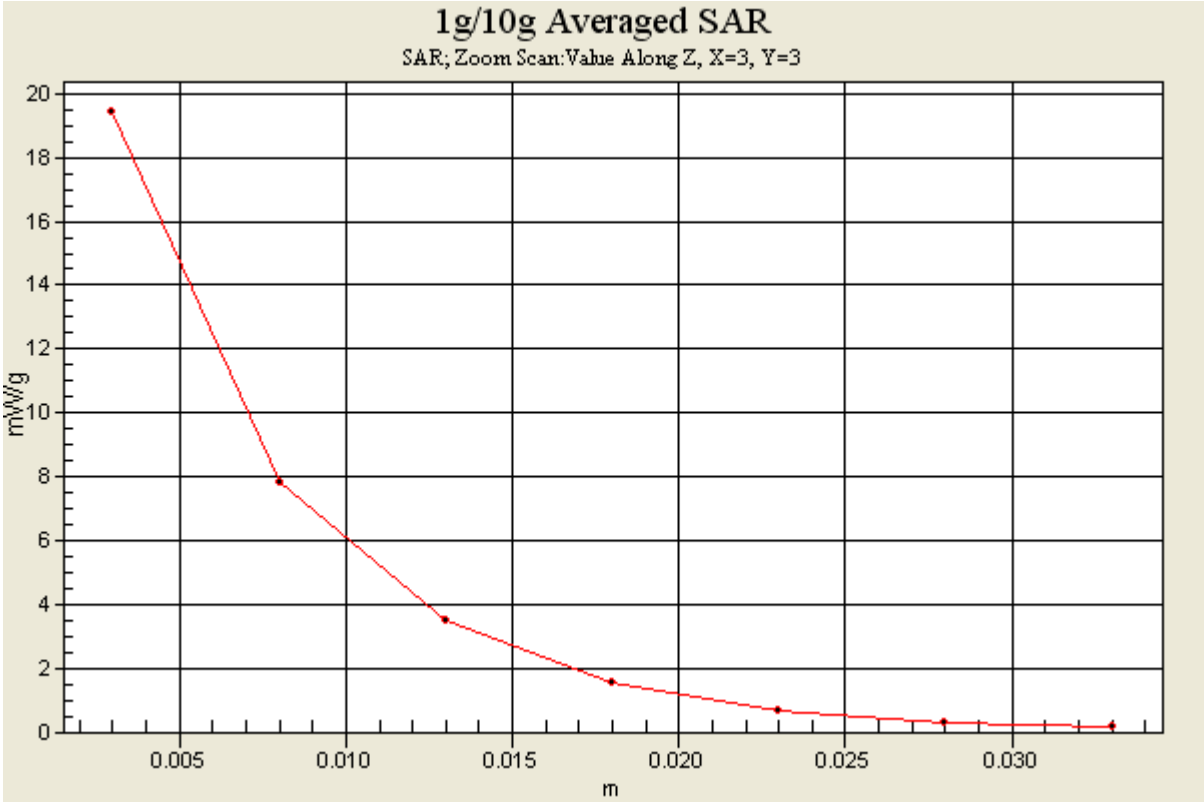
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.21 mho/m; ε_r = 51.3; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: ES3DV3 - SN3173; ConvF(3.95, 3.95, 3.95); Calibrated: 2012-02-24; 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: 2012-07-13; Ambient Temp: 22.1; Tissue Temp:22.4

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 = 0.082 dB
Peak SAR (extrapolated) = 37.2 W/kg
SAR(1 g) = 14.5 mW/g; SAR(10 g) = 6.02 mW/g



DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

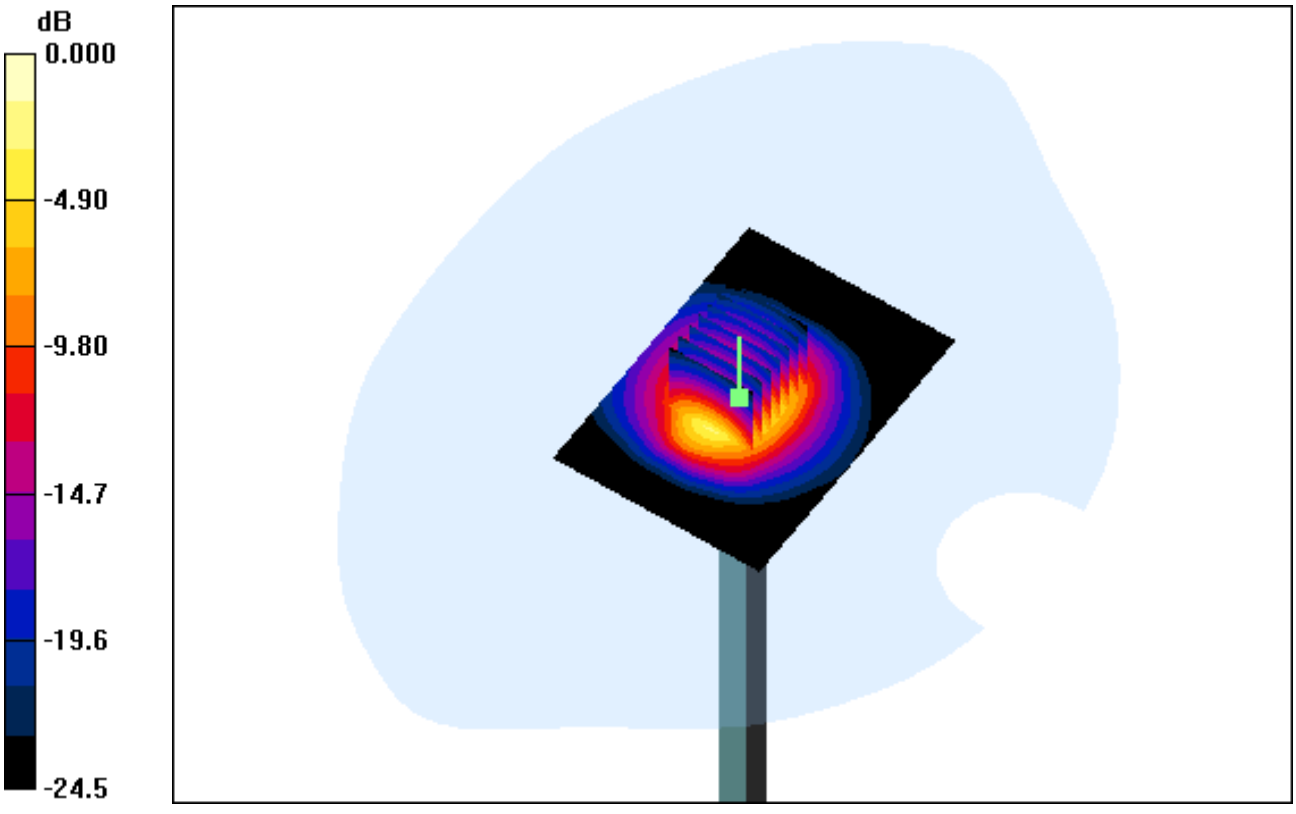
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.2 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-13; Ambient Temp: 22.2; Tissue Temp:22.5

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 = -0.020 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.06 mW/g



0 dB = 16.3mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

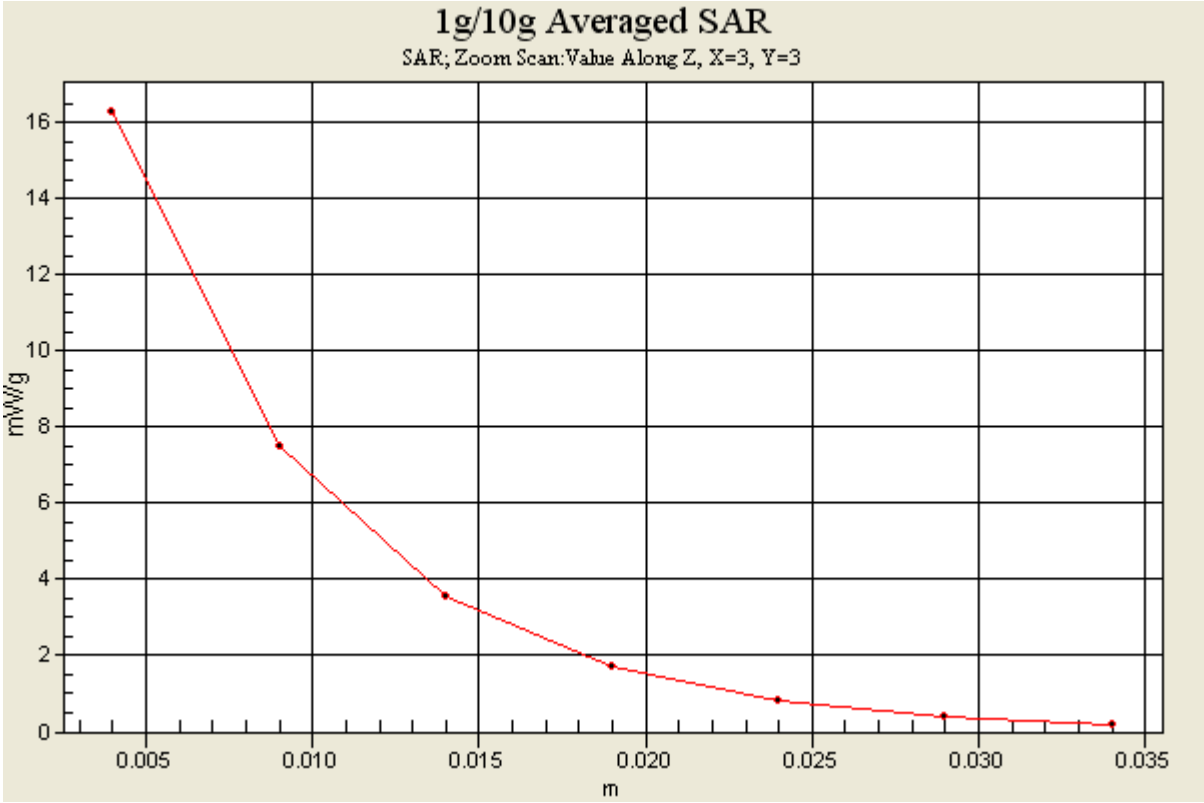
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.2 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-13; Ambient Temp: 22.2; Tissue Temp:22.5

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 = -0.020 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 14.1 mW/g; SAR(10 g) = 6.06 mW/g



DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

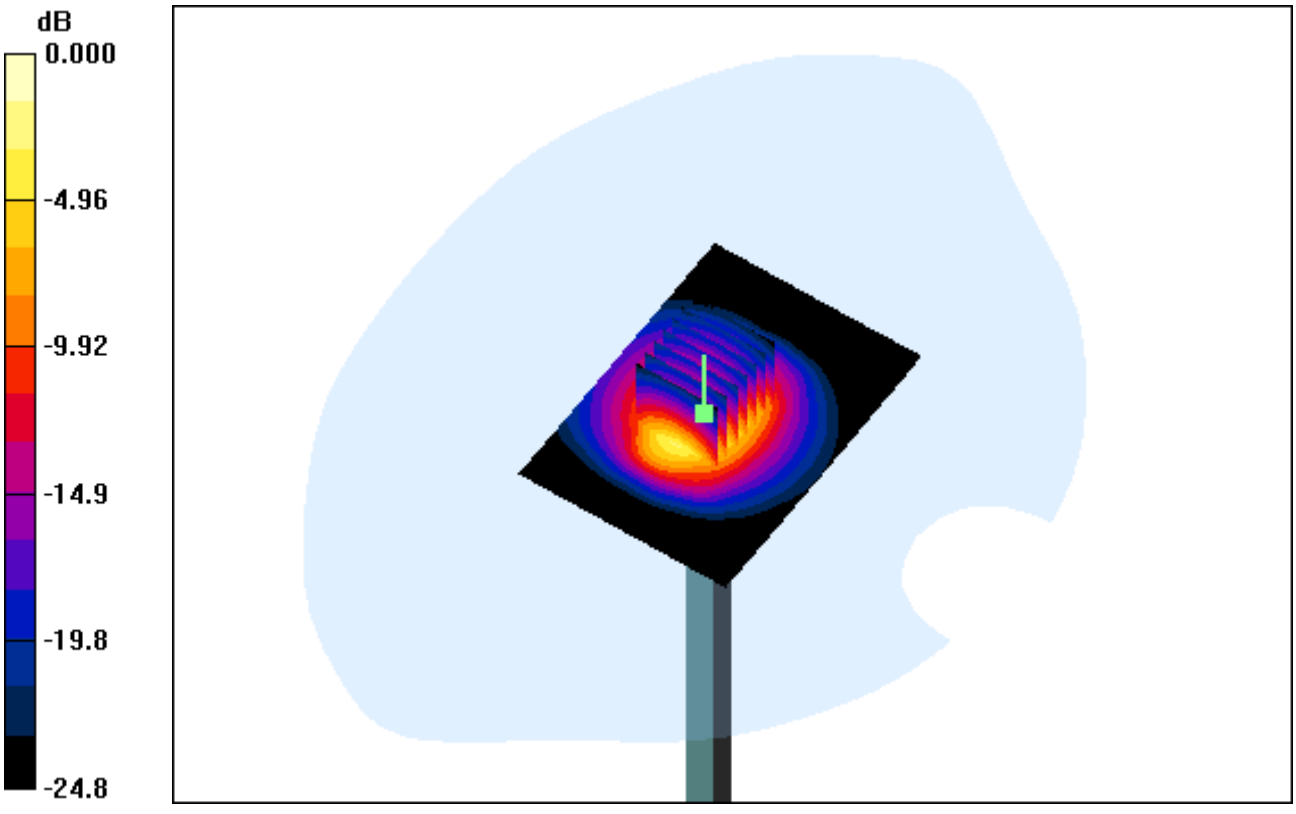
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.2 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-14; Ambient Temp: 22.3; Tissue Temp:22.7

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 = 0.049 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 14.2 mW/g; SAR(10 g) = 6.1 mW/g



0 dB = 21.1mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

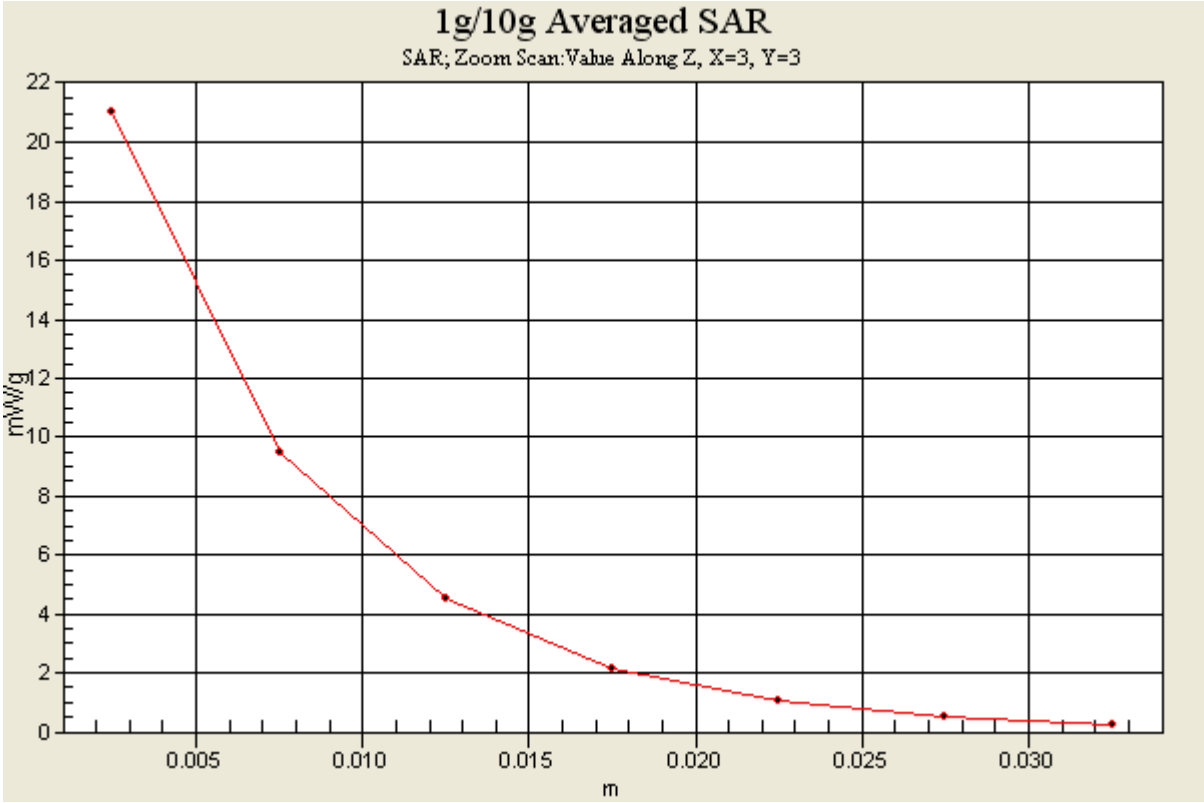
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.2 mho/m; ε_r = 52; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-14; Ambient Temp: 22.3; Tissue Temp:22.7

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 = 0.049 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 14.2 mW/g; SAR(10 g) = 6.1 mW/g



DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

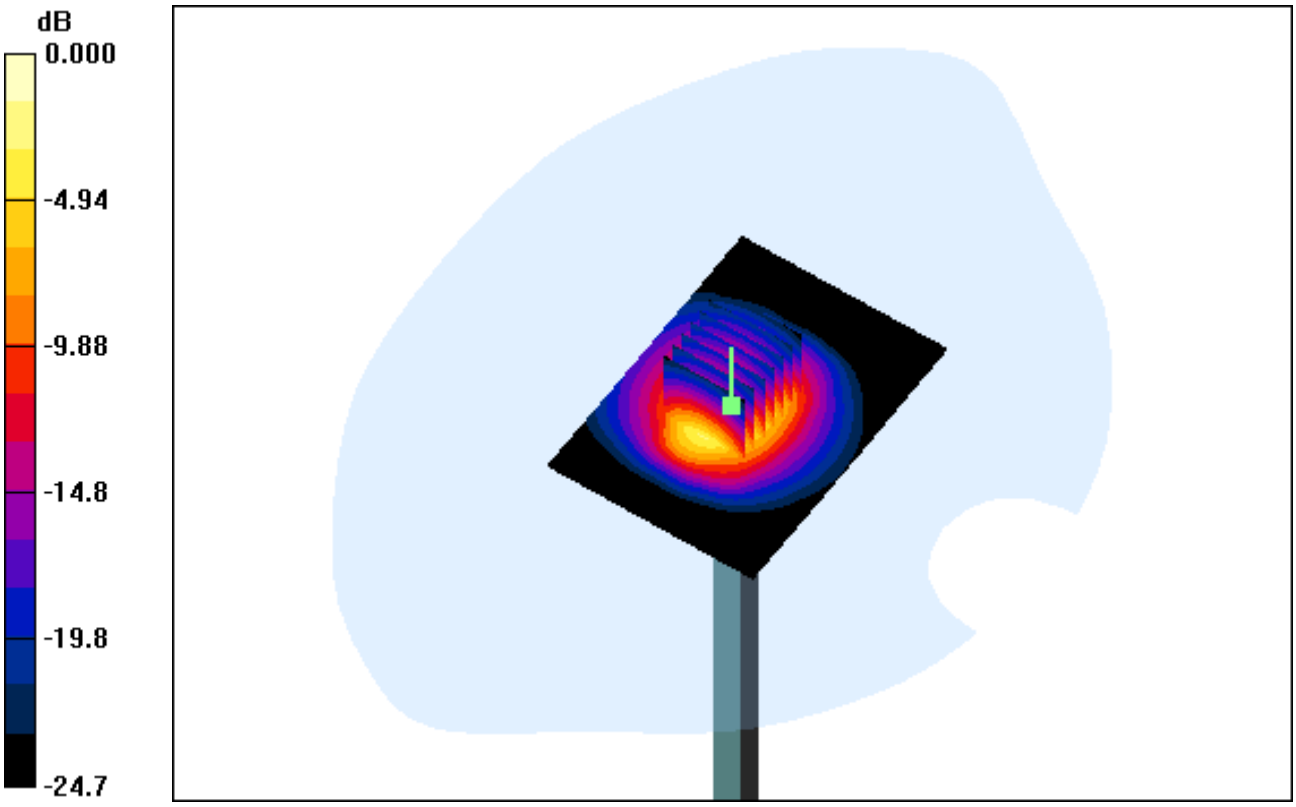
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-20; Ambient Temp: 22.0; Tissue Temp:22.3

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 = 0.020 dB
Peak SAR (extrapolated) = 31.7 W/kg
SAR(1 g) = 14 mW/g; SAR(10 g) = 6 mW/g



0 dB = 20.6mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

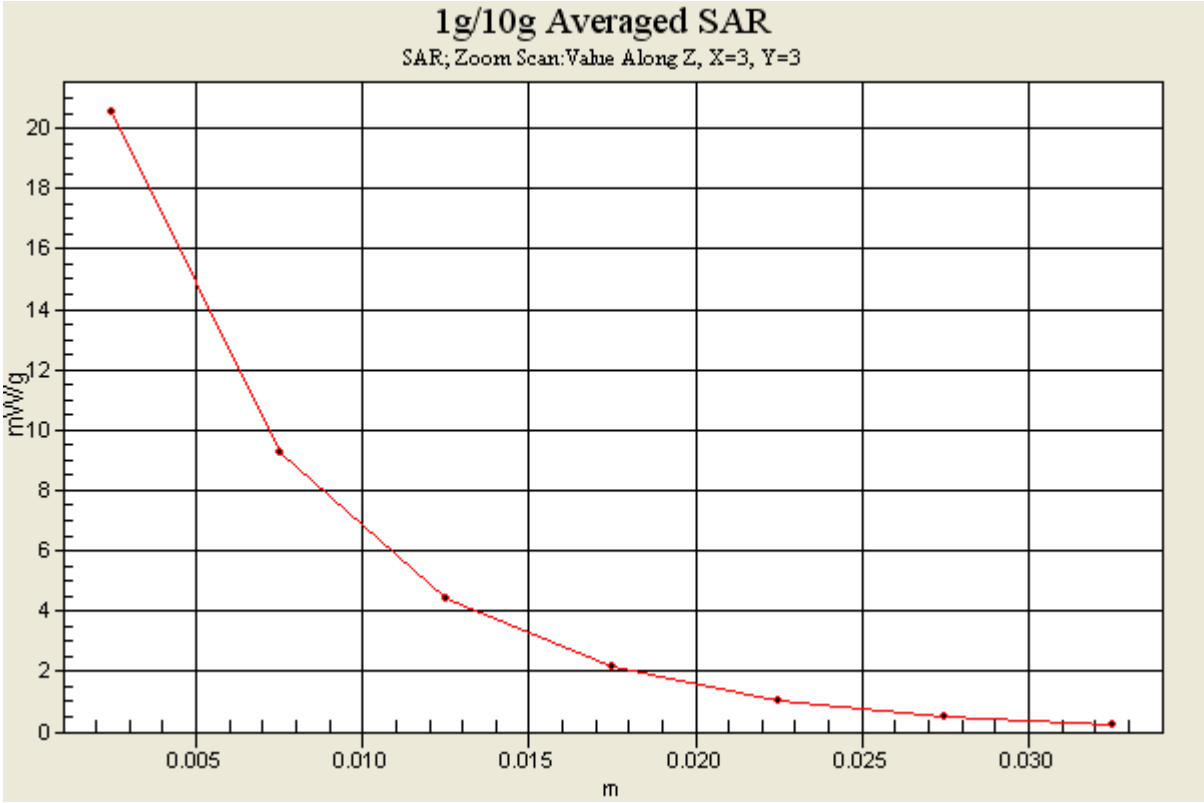
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-20; Ambient Temp: 22.0; Tissue Temp:22.3

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 = 0.020 dB
Peak SAR (extrapolated) = 31.7 W/kg
SAR(1 g) = 14 mW/g; SAR(10 g) = 6 mW/g



DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

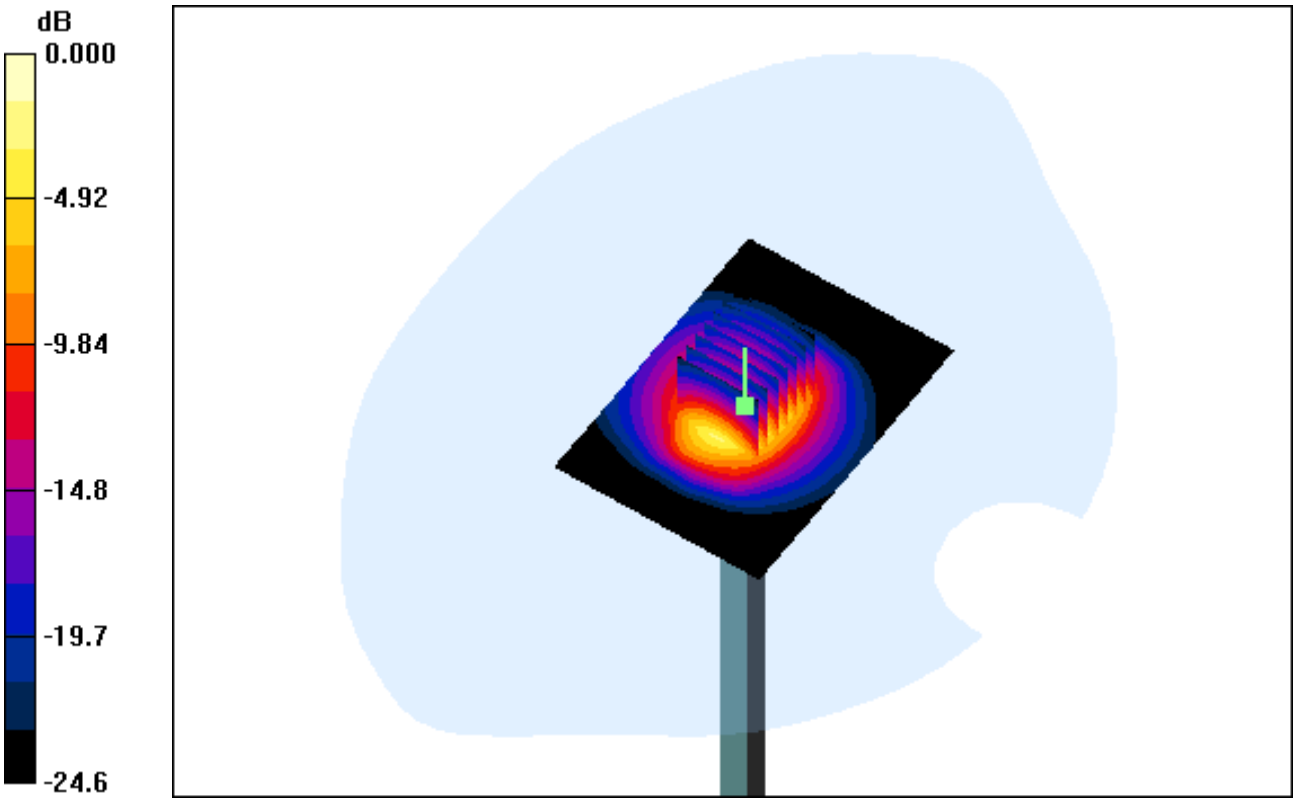
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-21; Ambient Temp: 22.4; Tissue Temp:22.6

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 = -0.030 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 14.2 mW/g; SAR(10 g) = 6.14 mW/g



0 dB = 16.5mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

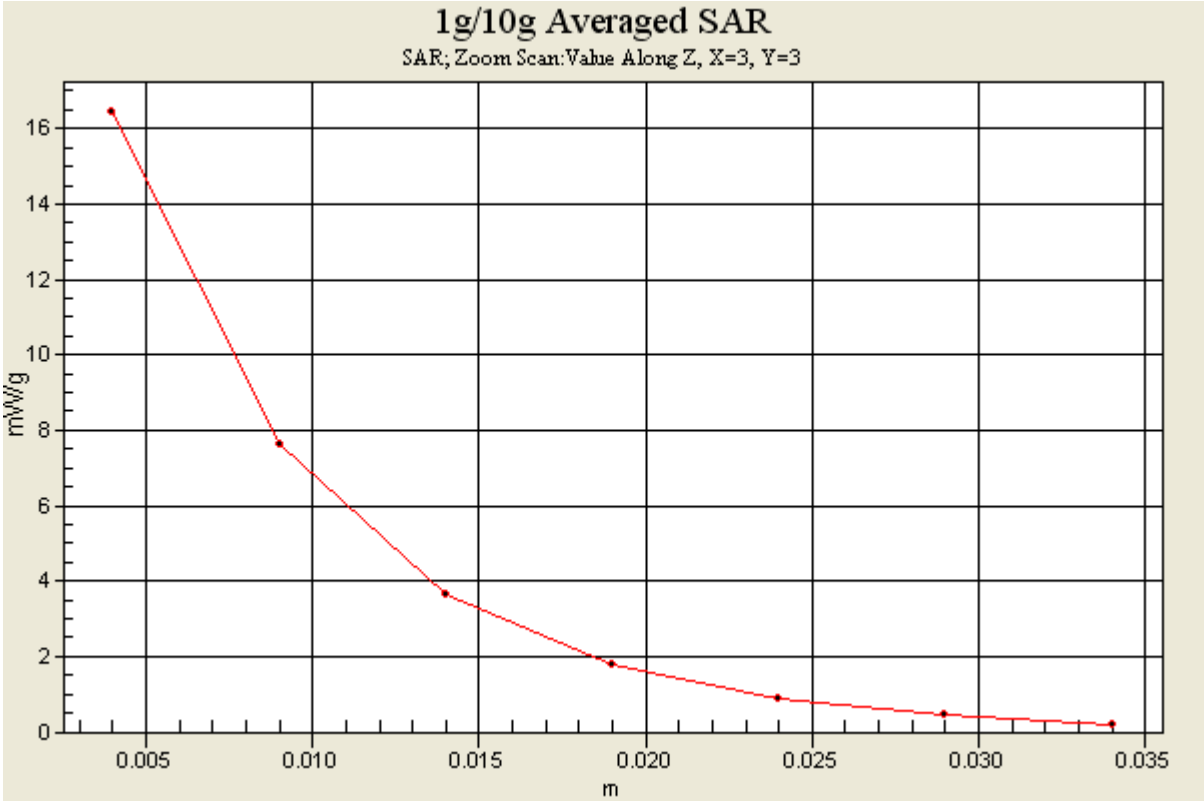
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.15 mho/m; ε_r = 51.1; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-21; Ambient Temp: 22.4; Tissue Temp:22.6

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 = -0.030 dB
Peak SAR (extrapolated) = 31.9 W/kg
SAR(1 g) = 14.2 mW/g; SAR(10 g) = 6.14 mW/g



DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

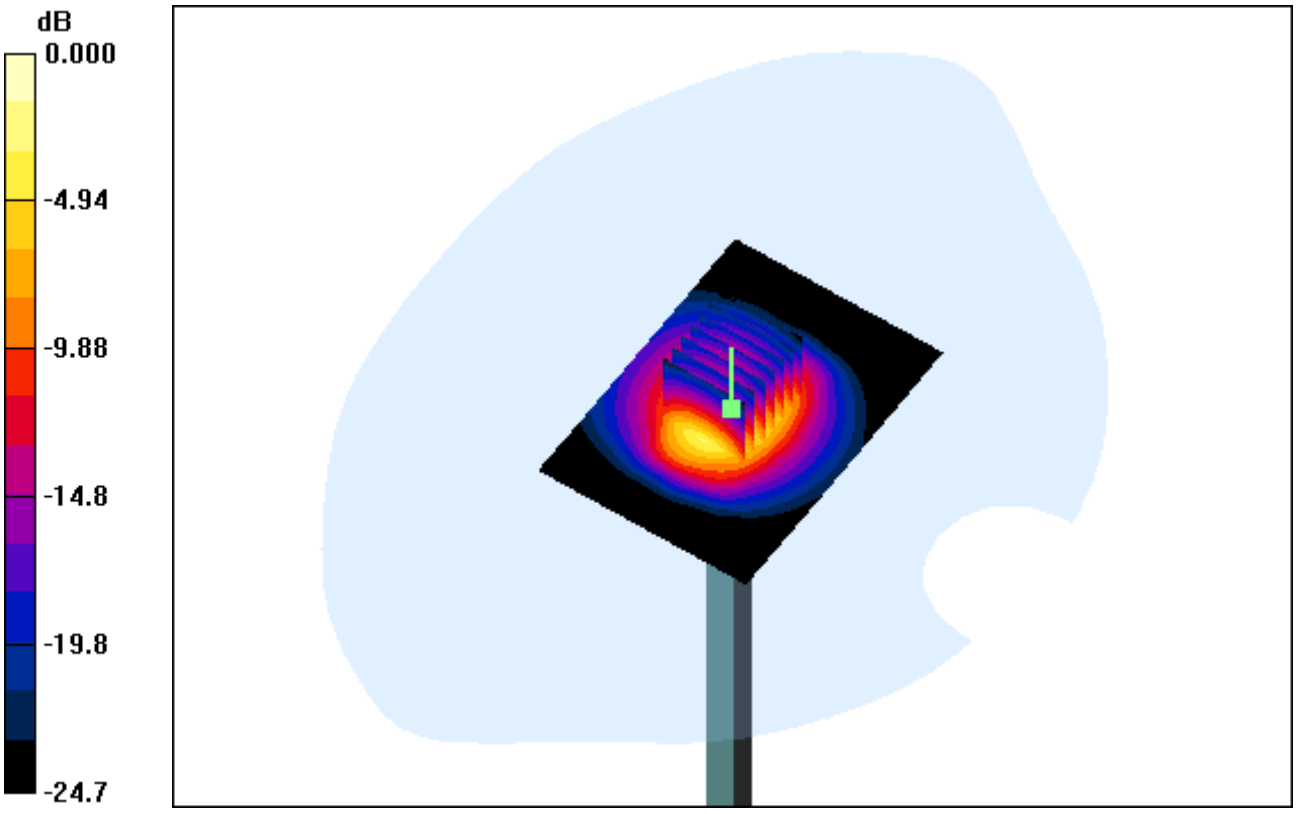
Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.18 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-24; Ambient Temp: 22.1; Tissue Temp:22.4

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 = -0.007 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 14.5 mW/g; SAR(10 g) = 6.26 mW/g



0 dB = 16.7mW/g

DIGITAL EMC CO., LTD

DUT: Dipole 2600 MHz; Type: D2600V2; Serial: D2600V2 - SN:1016

Communication System: CW; Frequency: 2600 MHz;Duty Cycle: 1:1
Medium parameters used: f = 2600 MHz; σ = 2.18 mho/m; ε_r = 51; ρ = 1000 kg/m^3
Phantom section: Flat Section

DASY4 Configuration:
Probe: EX3DV4 - SN3643; ConvF(6.71, 6.71, 6.71); Calibrated: 2012-01-27; 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: 2012-10-24; Ambient Temp: 22.1; Tissue Temp:22.4

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 = -0.007 dB
Peak SAR (extrapolated) = 32.5 W/kg
SAR(1 g) = 14.5 mW/g; SAR(10 g) = 6.26 mW/g