

SAR Plots

- Verification Plots
- SAR Test 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: $f = 835 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 40.604$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-10; Ambient Temp: 20.6; Tissue Temp: 21.1

835 MHz System Verification

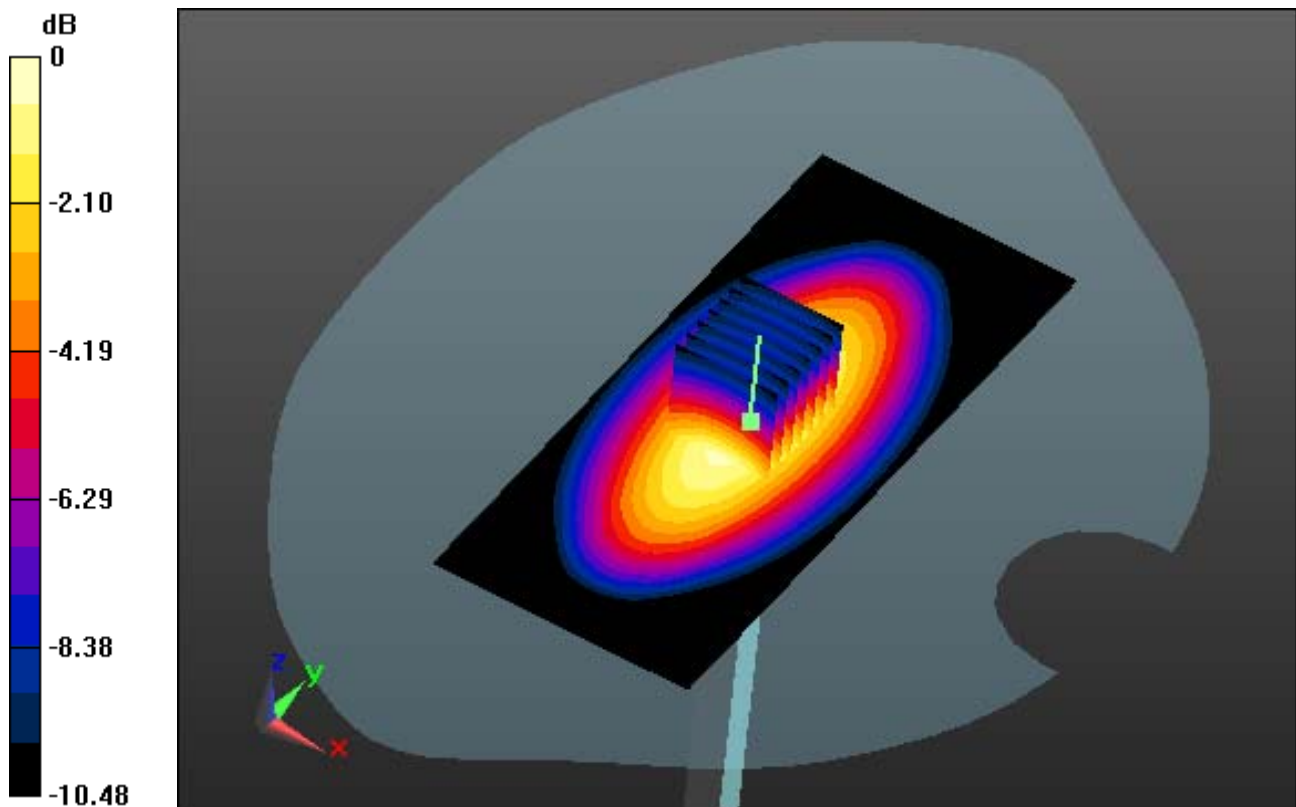
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.65 W/kg



0 dB = 3.20 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: $f = 835 \text{ MHz}$; $\sigma = 0.913 \text{ S/m}$; $\epsilon_r = 40.604$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-10; Ambient Temp: 20.6; Tissue Temp: 21.1

835 MHz System Verification

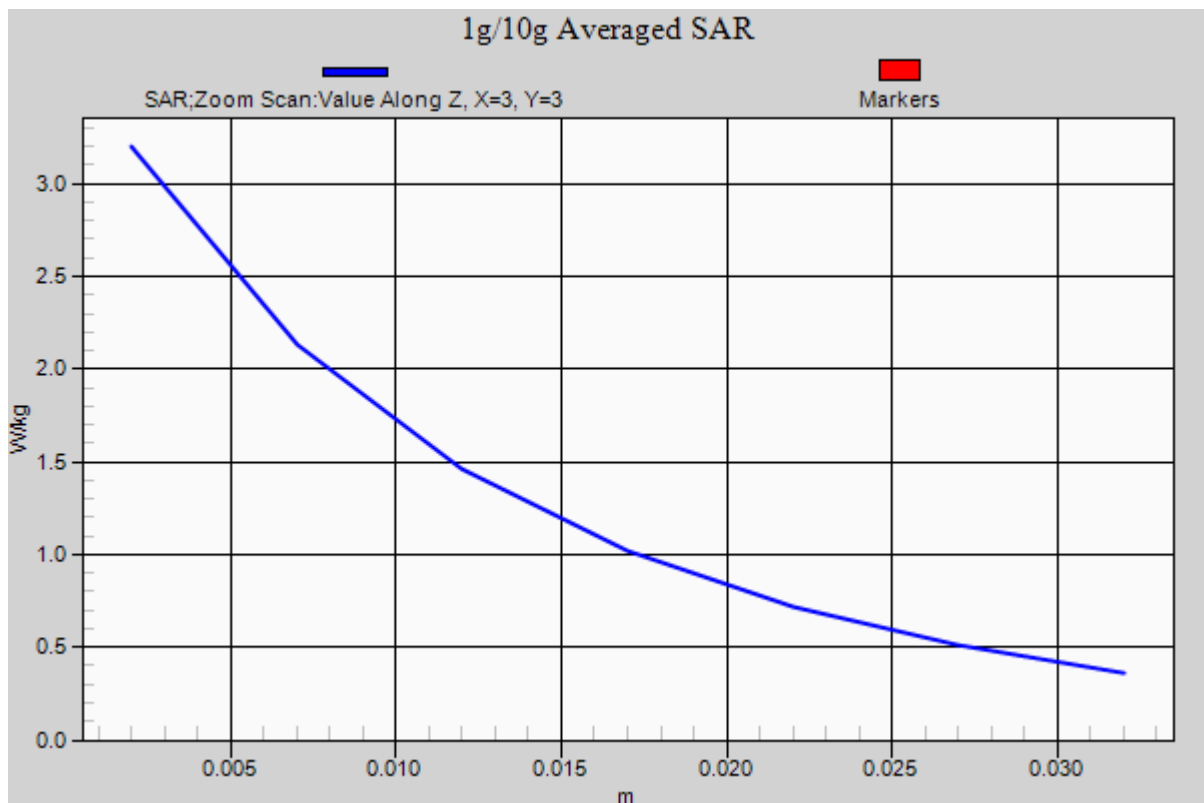
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.77 W/kg

SAR(1 g) = 2.52 W/kg; SAR(10 g) = 1.65 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: $f = 835 \text{ MHz}$; $\sigma = 0.981 \text{ S/m}$; $\epsilon_r = 55.133$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

835 MHz System Verification

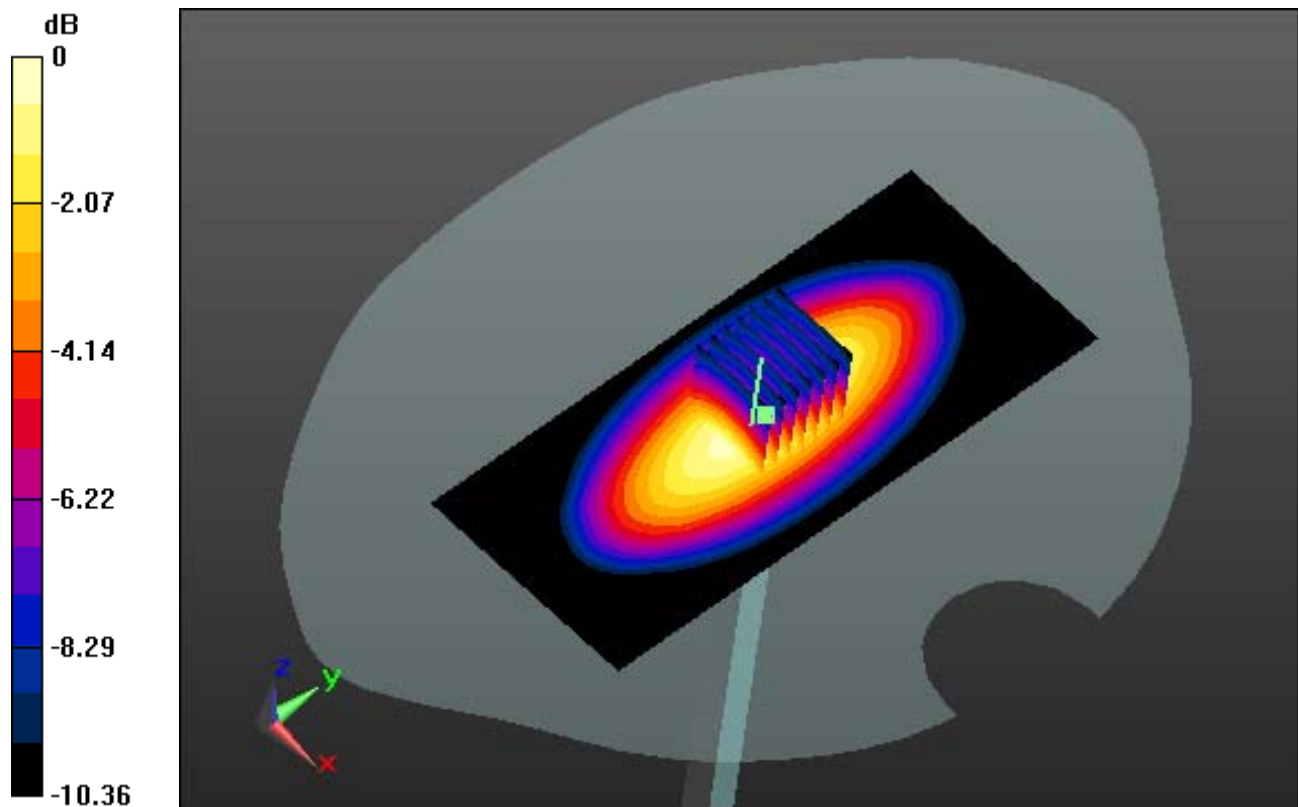
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.52 W/kg



0 dB = 2.90 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: $f = 835 \text{ MHz}$; $\sigma = 0.981 \text{ S/m}$; $\epsilon_r = 55.133$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

835 MHz System Verification

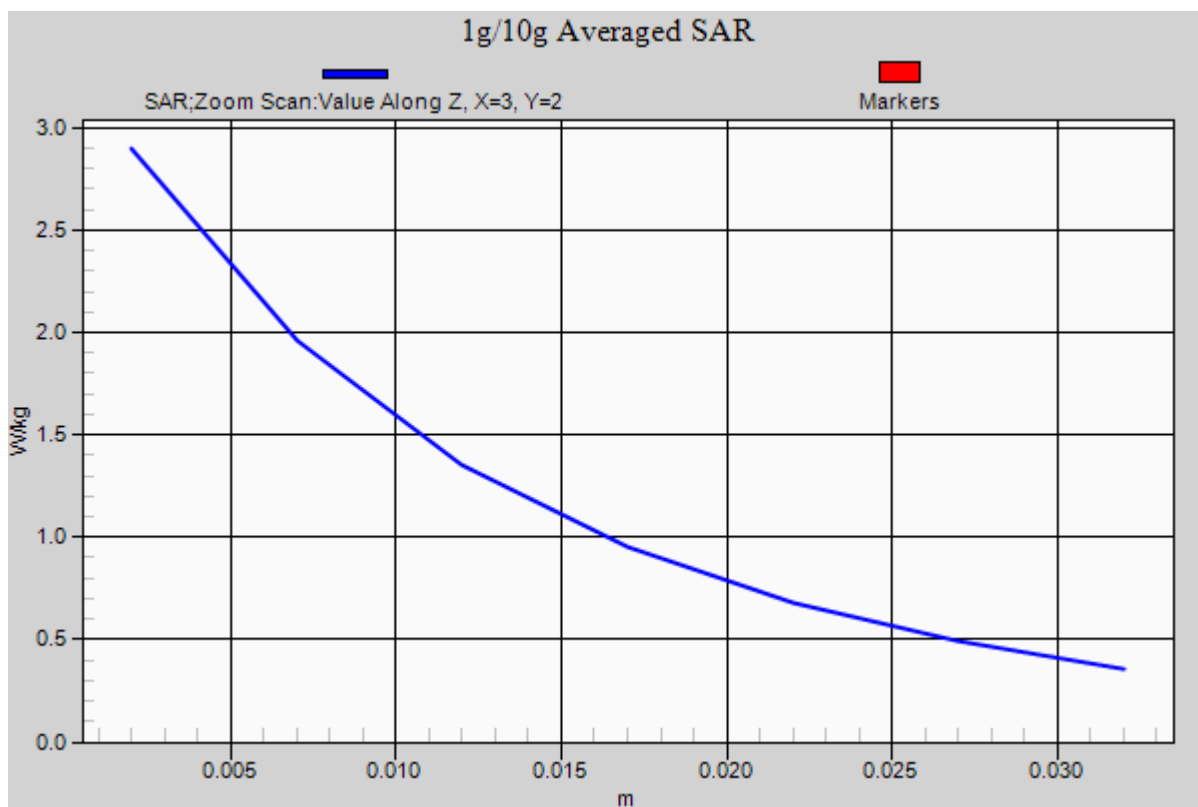
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 3.40 W/kg

SAR(1 g) = 2.3 W/kg; SAR(10 g) = 1.52 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: $f = 835 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 40.437$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.9

835 MHz System Verification

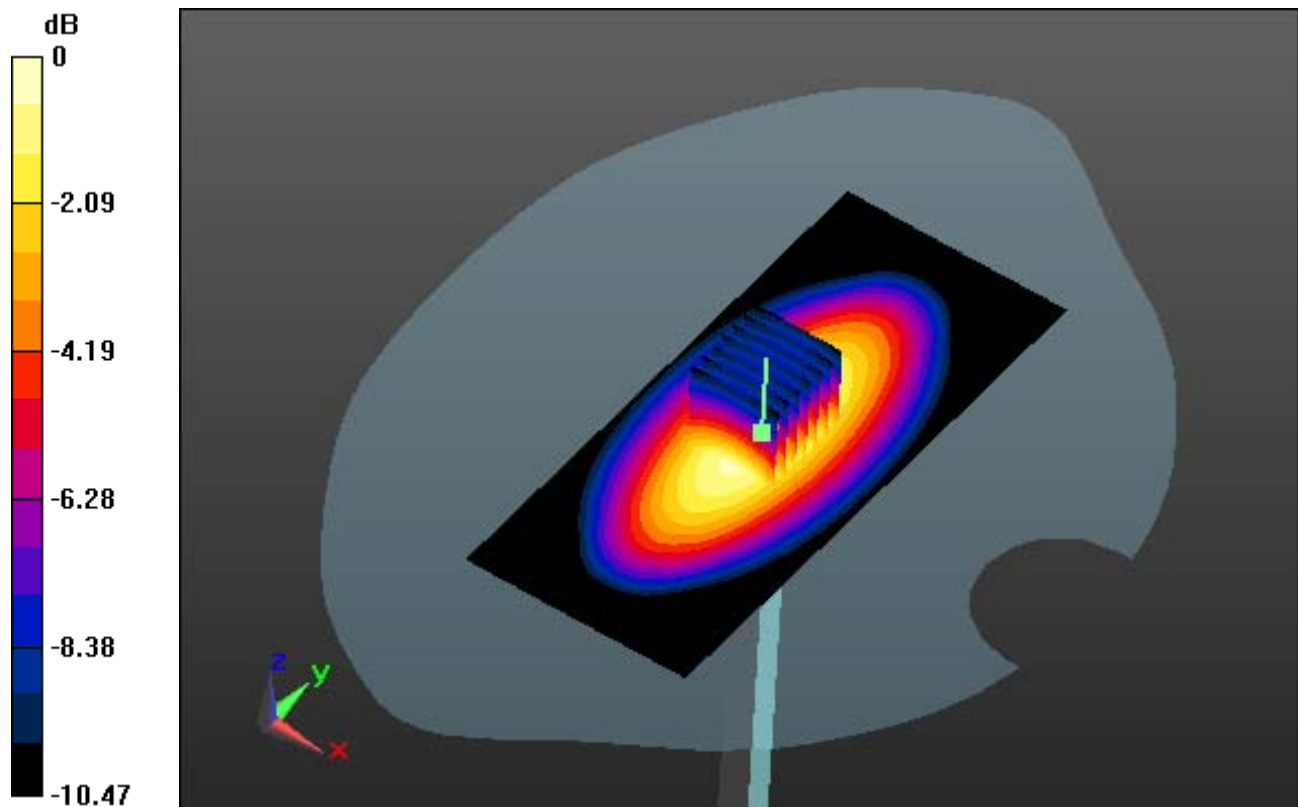
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.64 W/kg



0 dB = 3.19 W/kg = 5.04 dBW/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: $f = 835 \text{ MHz}$; $\sigma = 0.911 \text{ S/m}$; $\epsilon_r = 40.437$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.9

835 MHz System Verification

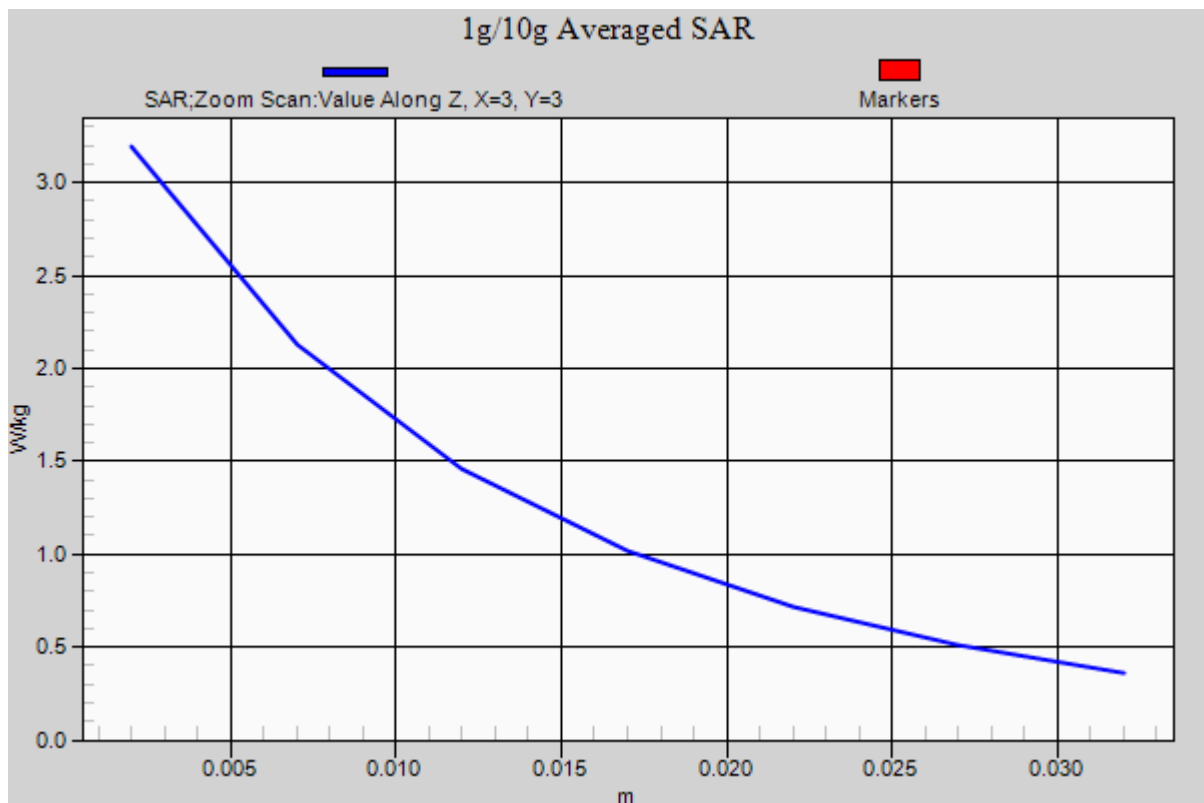
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.76 W/kg

SAR(1 g) = 2.51 W/kg; SAR(10 g) = 1.64 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: $f = 835 \text{ MHz}$; $\sigma = 0.982 \text{ S/m}$; $\epsilon_r = 55.532$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.7

835 MHz System Verification

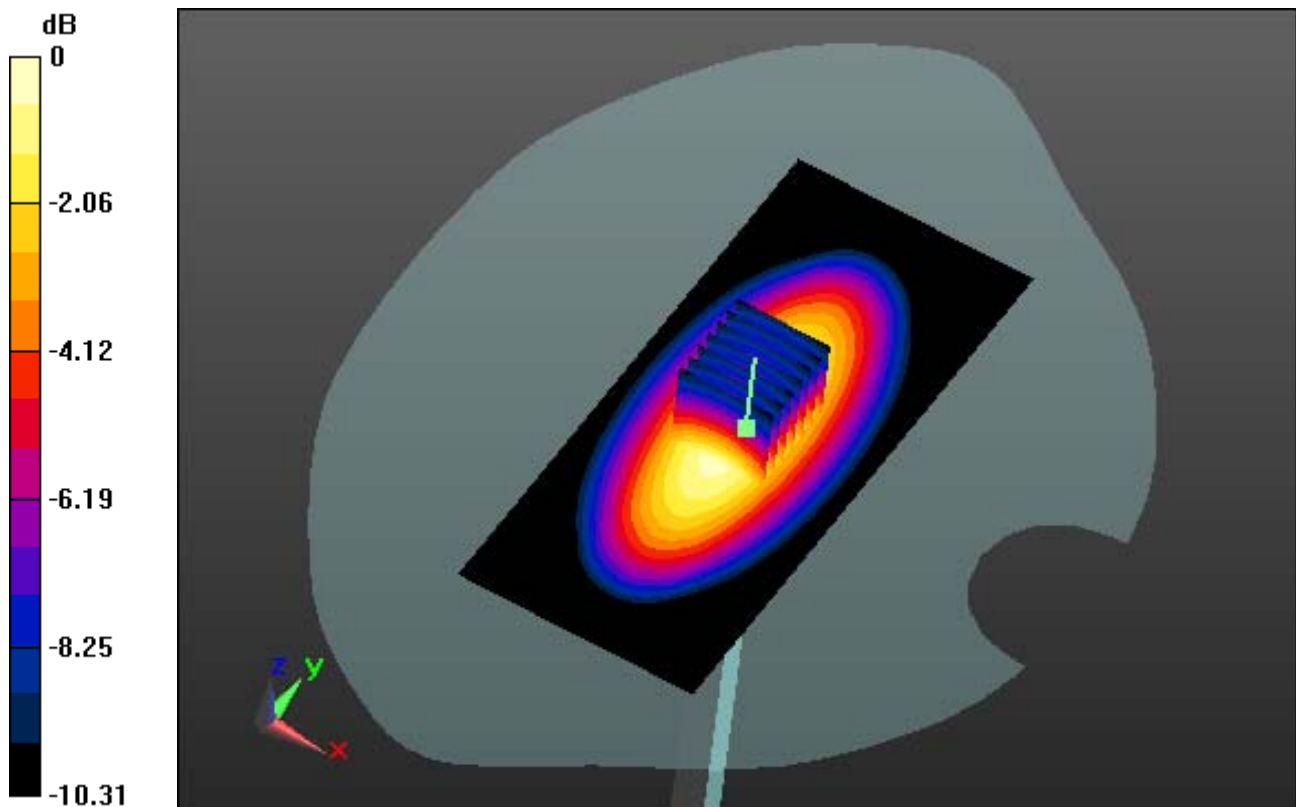
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.47 W/kg



0 dB = 2.80 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: $f = 835 \text{ MHz}$; $\sigma = 0.982 \text{ S/m}$; $\epsilon_r = 55.532$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.7

835 MHz System Verification

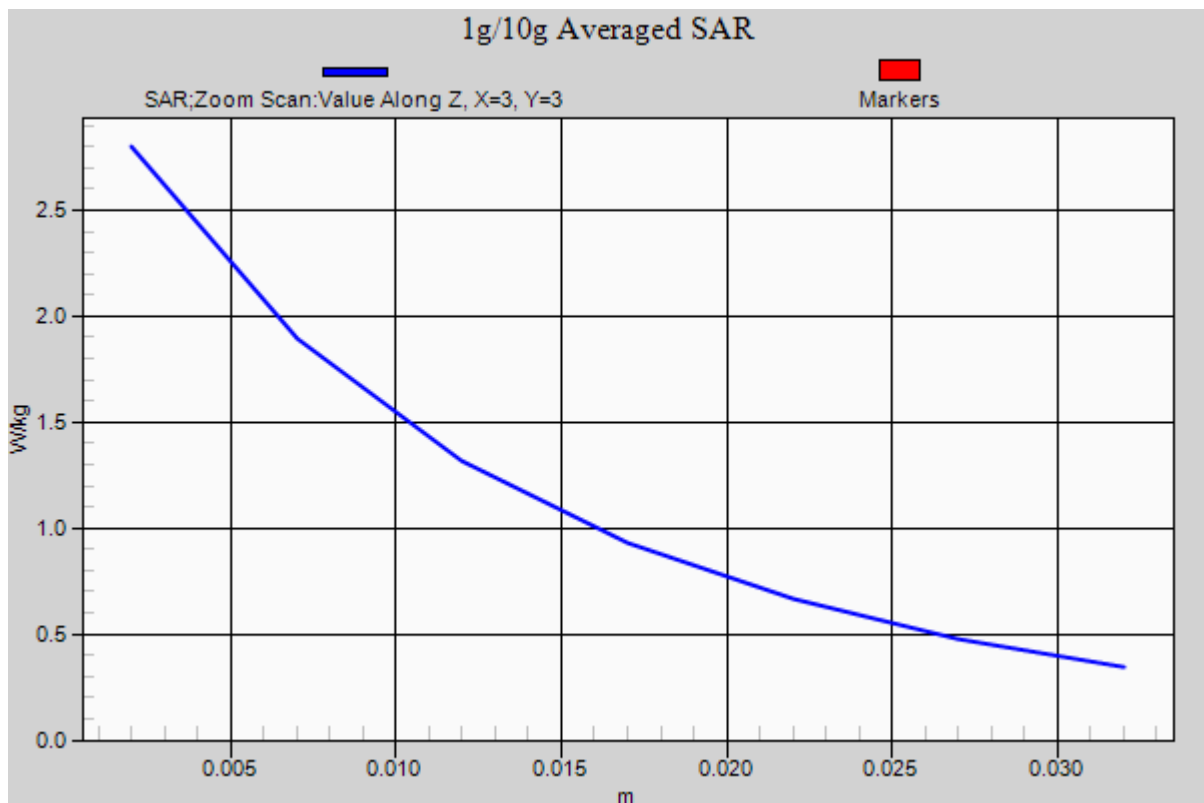
Area Scan (51x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.04 dB

Peak SAR (extrapolated) = 3.28 W/kg

SAR(1 g) = 2.22 W/kg; SAR(10 g) = 1.47 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: $f = 1900 \text{ MHz}$; $\sigma = 1.406 \text{ S/m}$; $\epsilon_r = 39.256$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-29; Ambient Temp: 20.8; Tissue Temp: 21.2

1900 MHz System Verification

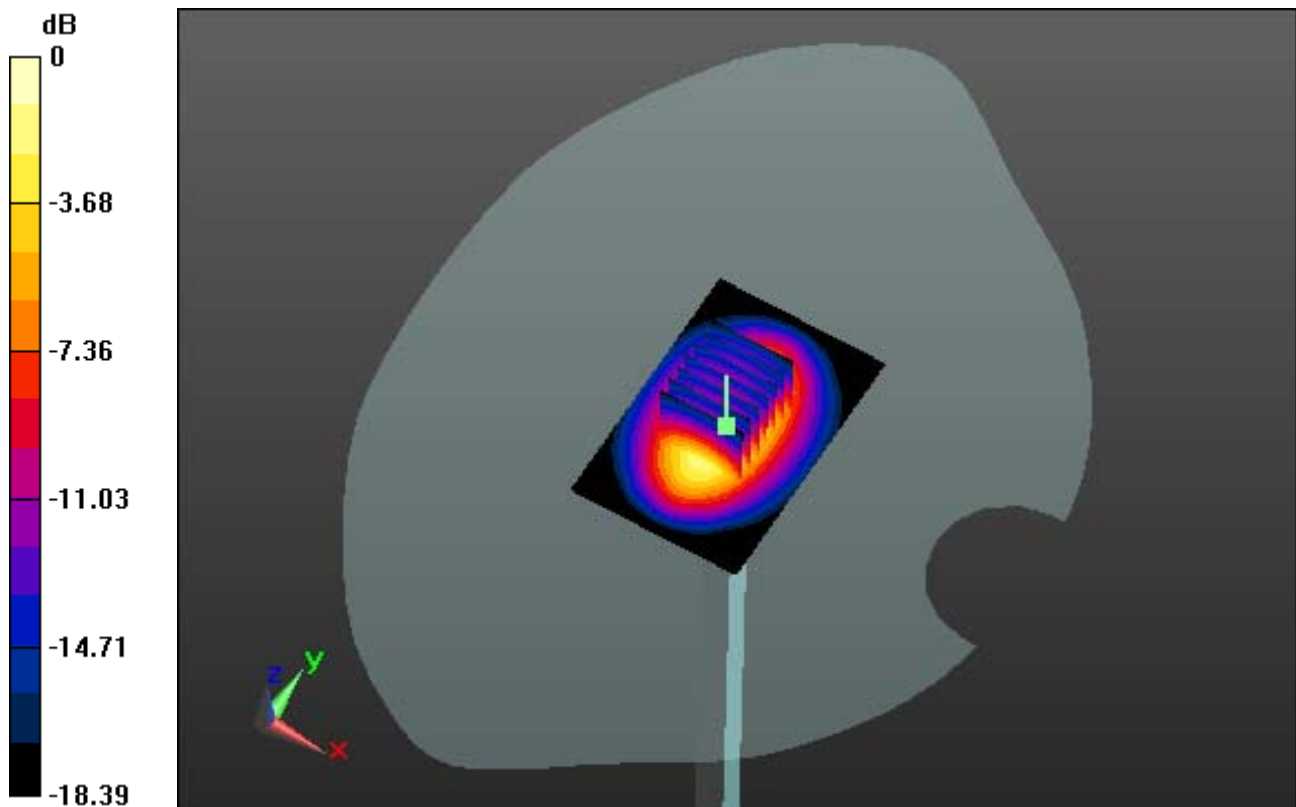
Area Scan (61x91x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 9.86 W/kg; SAR(10 g) = 5.01 W/kg



0 dB = 14.5 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; $\sigma = 1.406$ S/m; $\epsilon_r = 39.256$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-29; Ambient Temp: 20.8; Tissue Temp: 21.2

1900 MHz System Verification

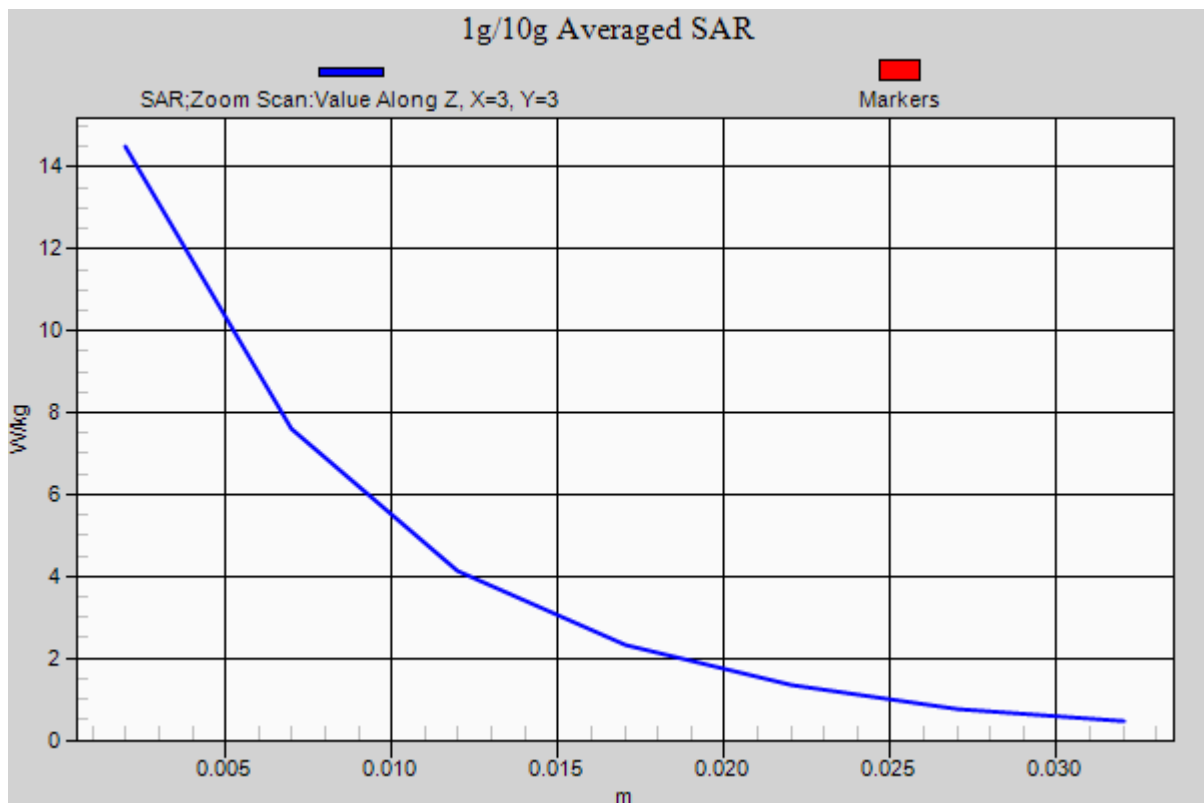
Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 19.0 W/kg

SAR(1 g) = 9.86 W/kg; SAR(10 g) = 5.01 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; $\sigma = 1.538$ S/m; $\epsilon_r = 51.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1900 MHz System Verification

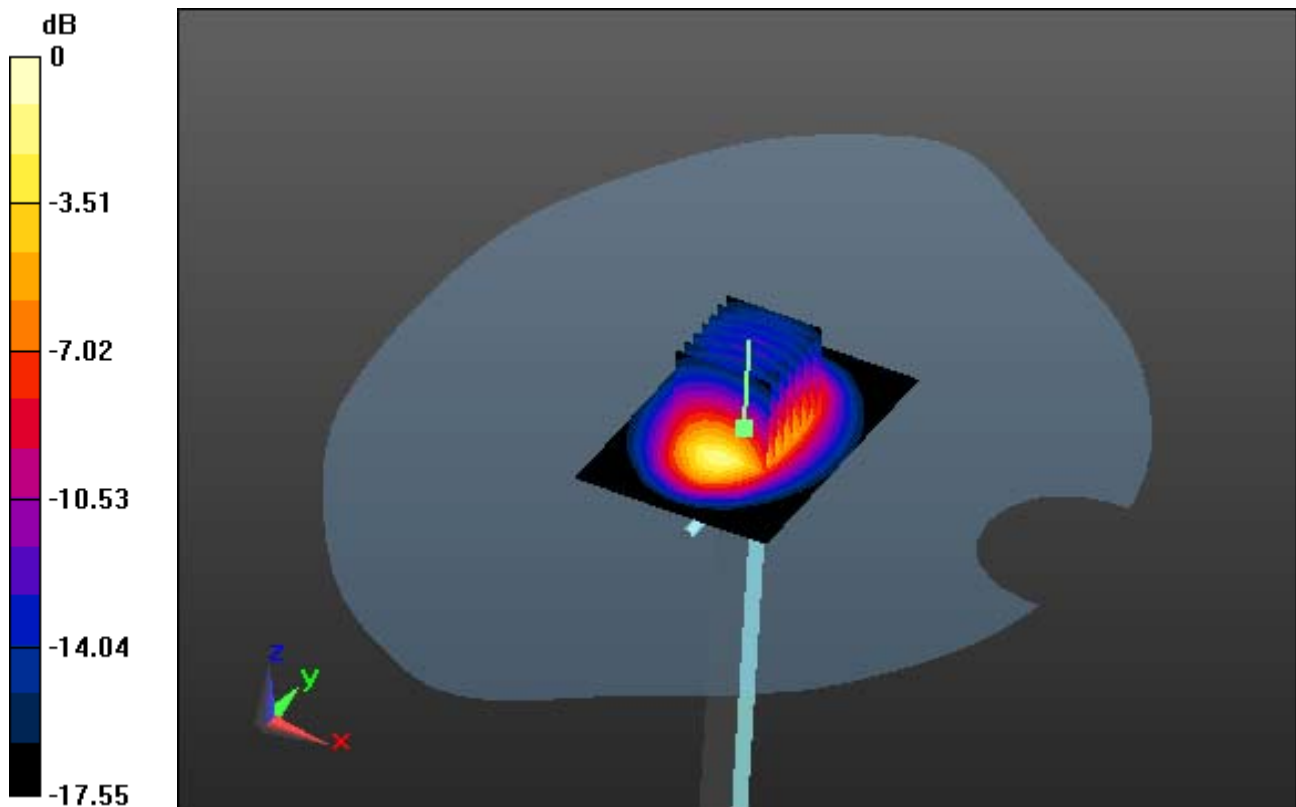
Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.08 W/kg



0 dB = 13.4 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; $\sigma = 1.538$ S/m; $\epsilon_r = 51.658$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1900 MHz System Verification

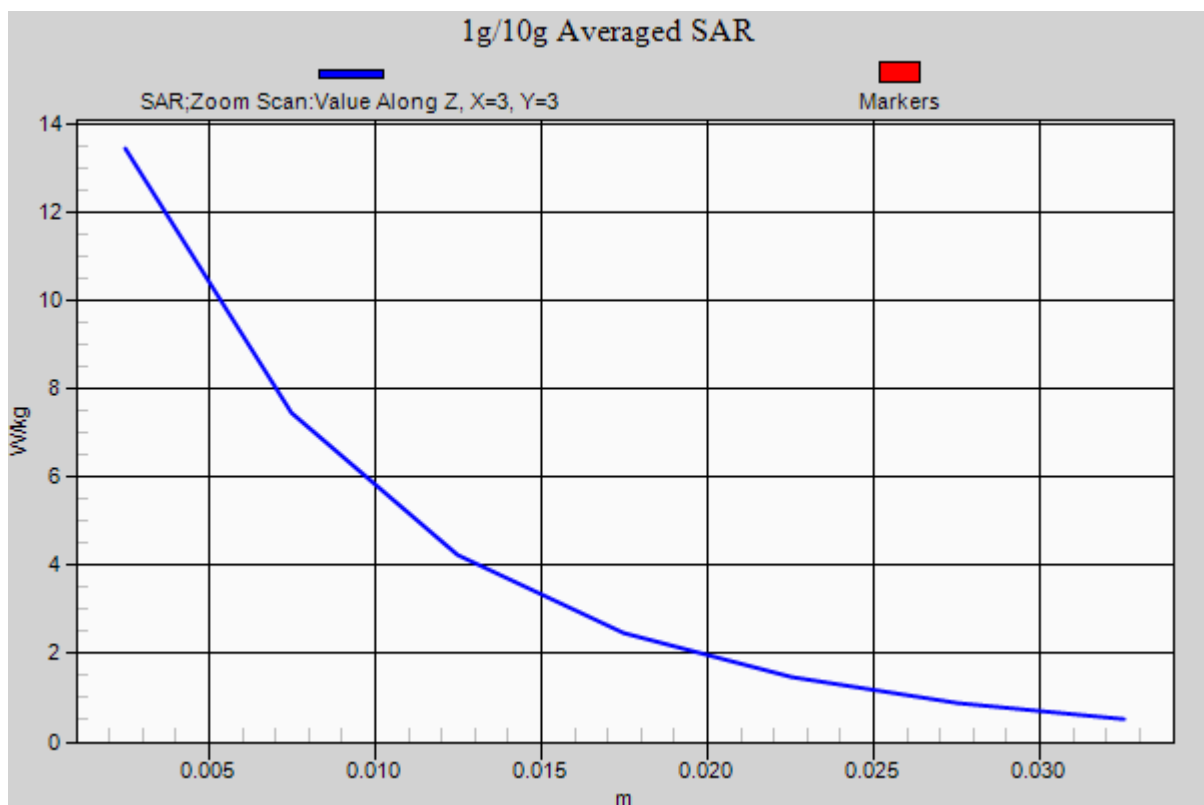
Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 18.2 W/kg

SAR(1 g) = 9.89 W/kg; SAR(10 g) = 5.08 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.79$ S/m; $\epsilon_r = 38.889$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

2450 MHz System Verification

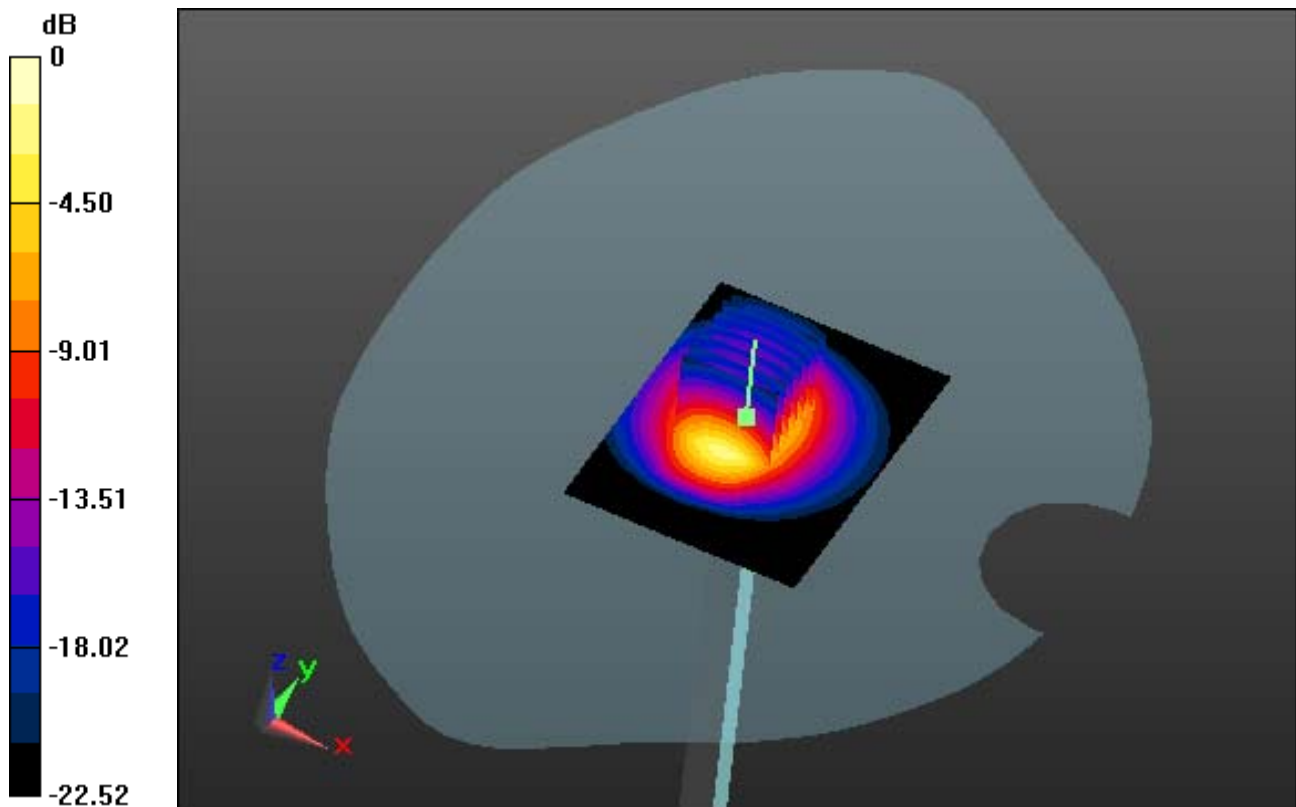
Area Scan (61x81x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.04 W/kg



0 dB = 19.8 W/kg

DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.79$ S/m; $\epsilon_r = 38.889$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

2450 MHz System Verification

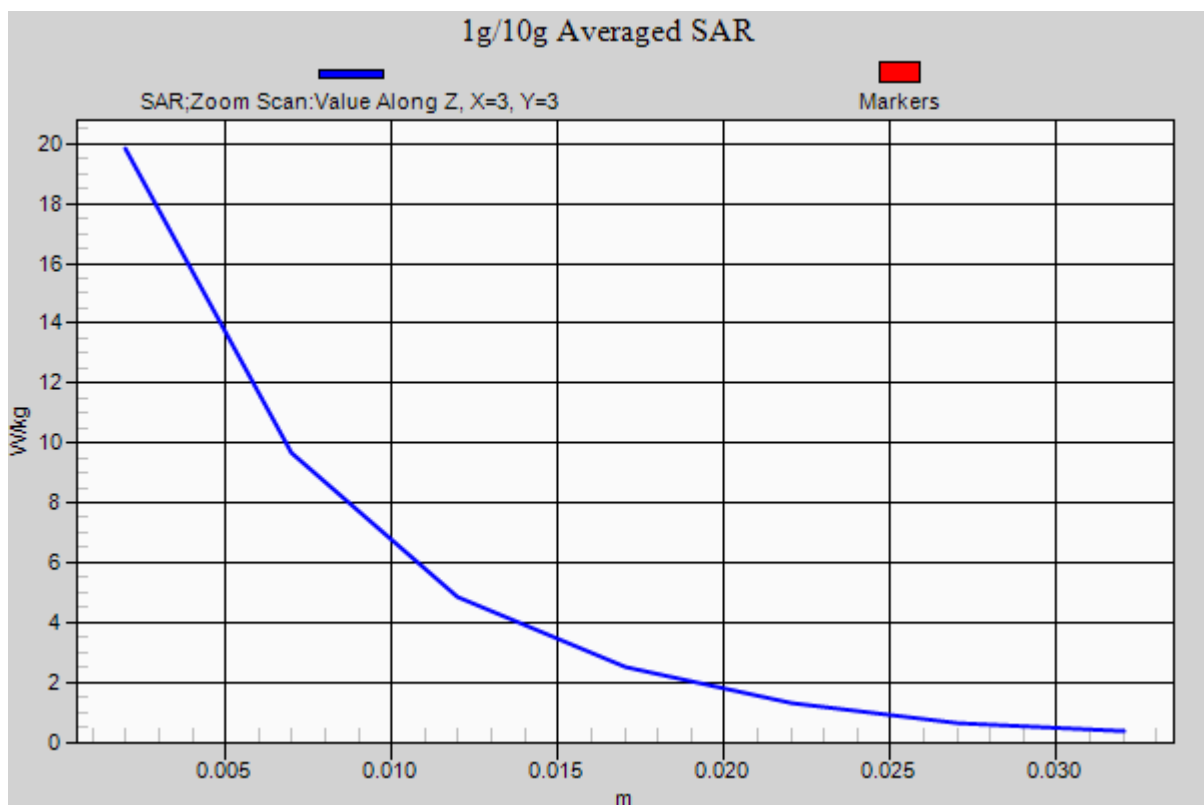
Area Scan (61x81x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.04 dB

Peak SAR (extrapolated) = 27.0 W/kg

SAR(1 g) = 13 W/kg; SAR(10 g) = 6.04 W/kg



DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 52.671$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

2450 MHz System Verification

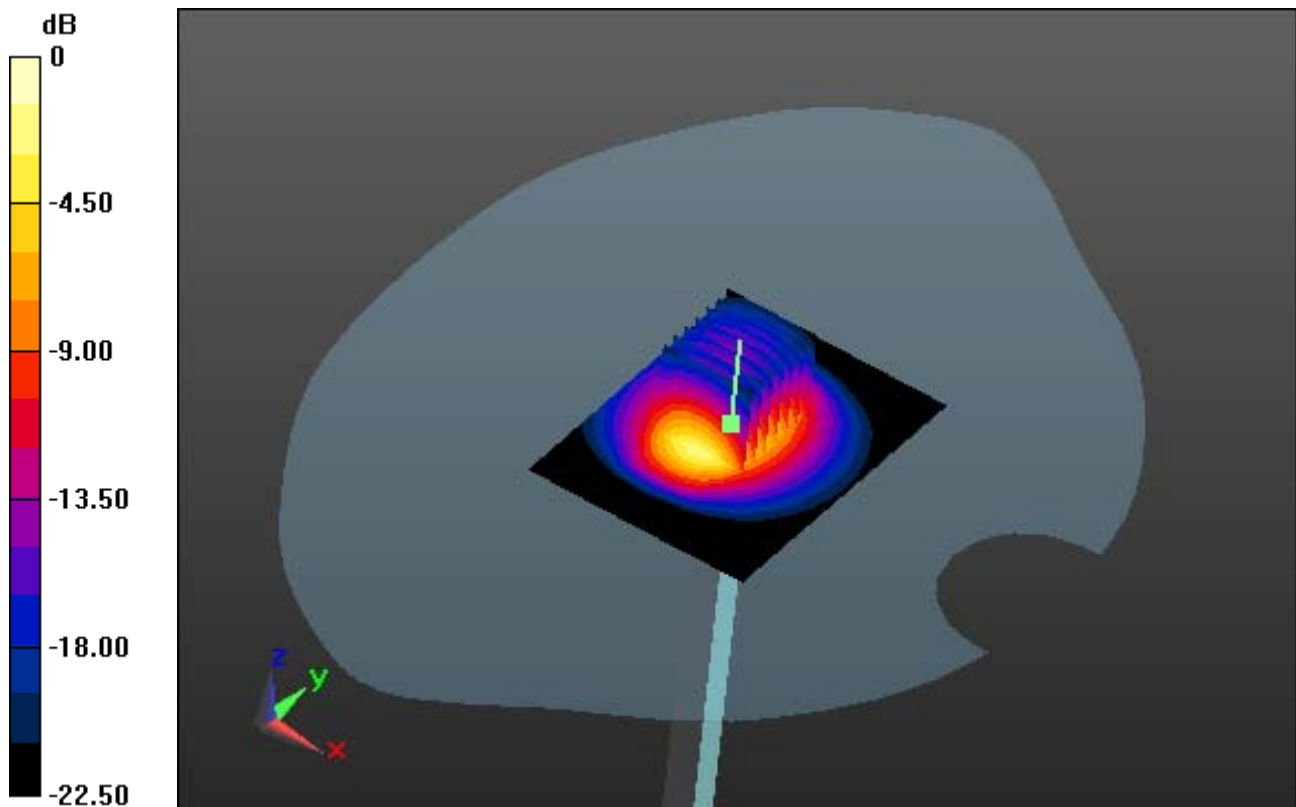
Area Scan (61x81x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.12 W/kg



0 dB = 19.1 W/kg

DIGITAL EMC CO., LTD

DUT: Dipole 2450 MHz; Type: D2450V2; Serial: D2450V2 - SN:920

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

Medium parameters used: $f = 2450$ MHz; $\sigma = 1.987$ S/m; $\epsilon_r = 52.671$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

2450 MHz System Verification

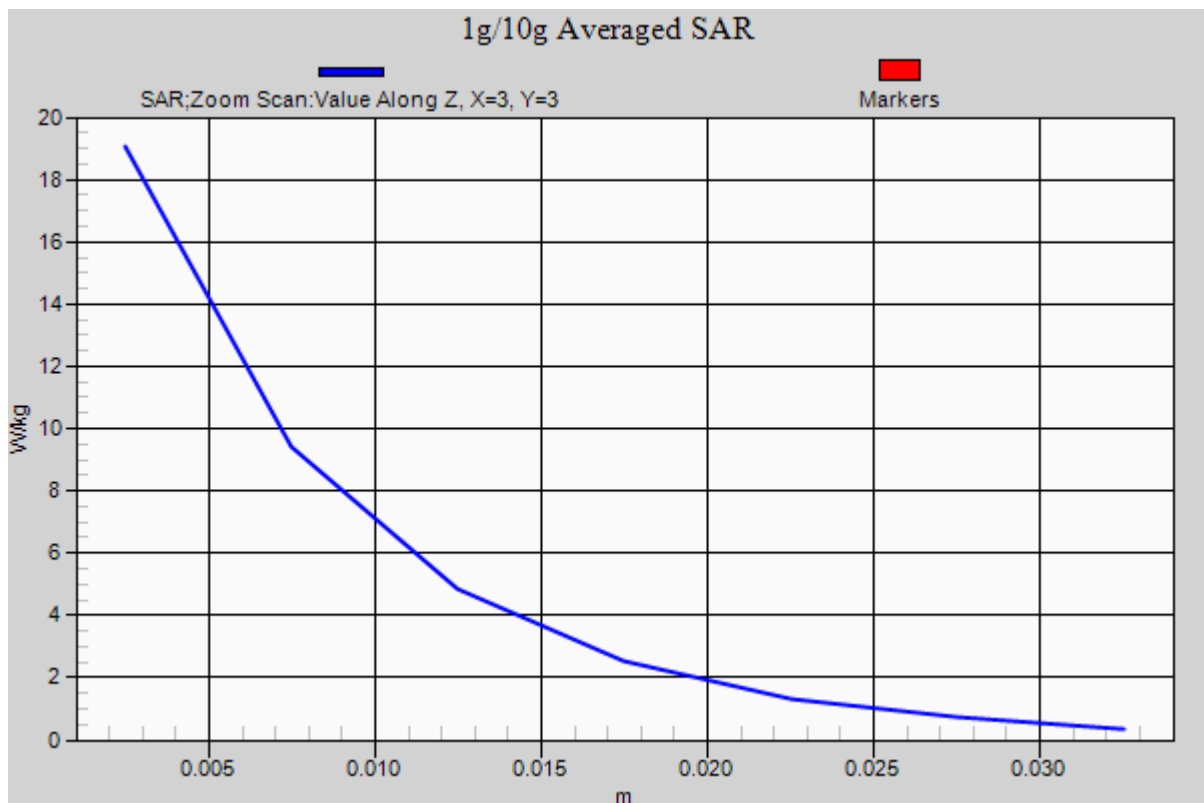
Area Scan (61x81x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 28.0 W/kg

SAR(1 g) = 13.1 W/kg; SAR(10 g) = 6.12 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 40.599$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-10; Ambient Temp: 20.6; Tissue Temp: 21.1

Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

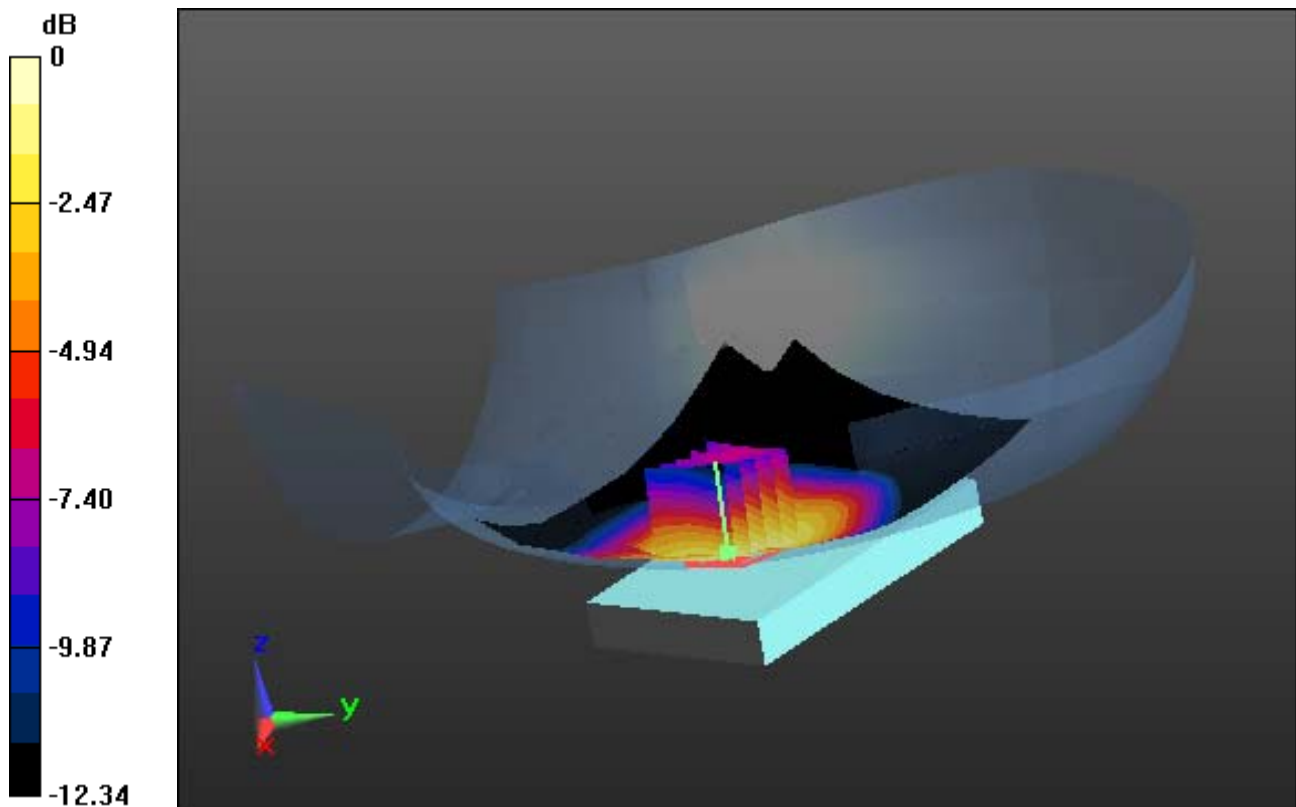
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.405 W/kg



0 dB = 0.666 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.914 \text{ S/m}$; $\epsilon_r = 40.599$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-10; Ambient Temp: 20.6; Tissue Temp: 21.1

Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

With Enlarge plot image

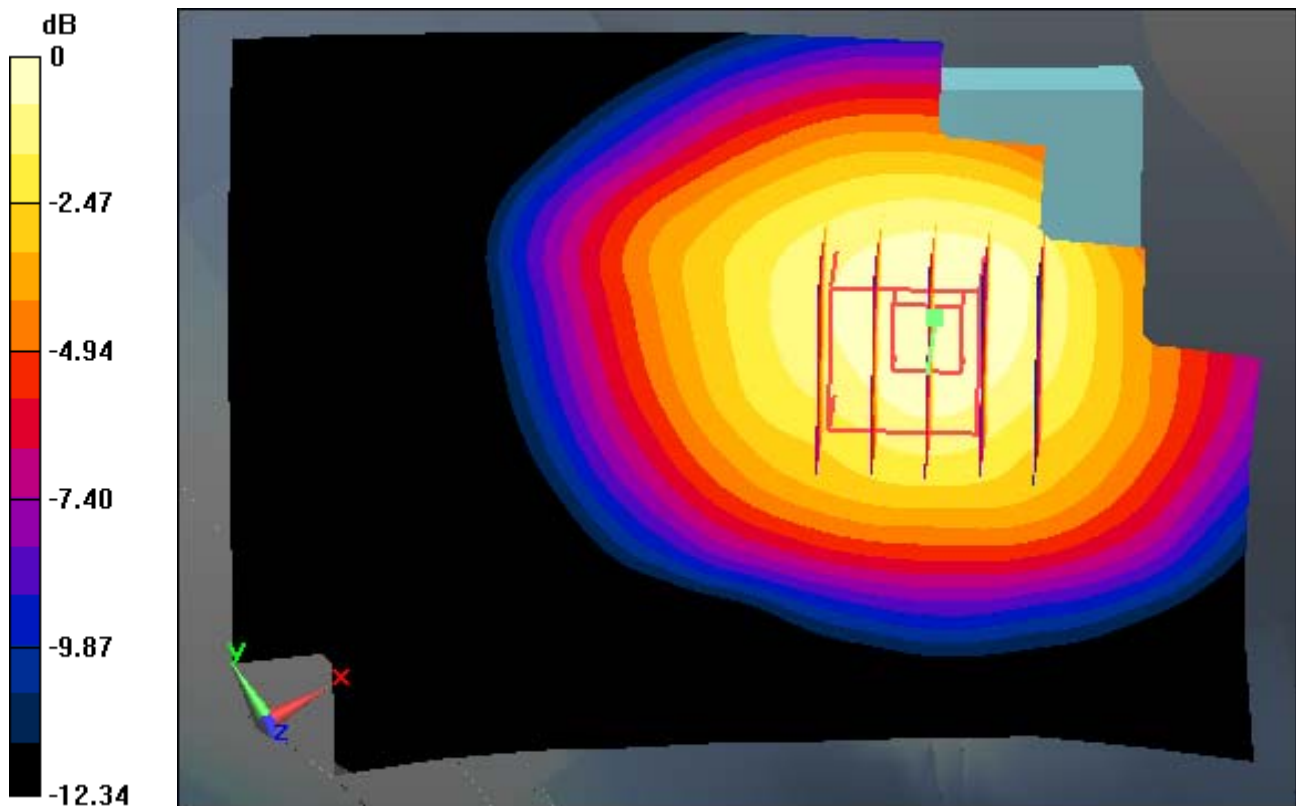
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.405 W/kg



0 dB = 0.666 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.914$ S/m; $\epsilon_r = 40.599$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-10; Ambient Temp: 20.6; Tissue Temp: 21.1

Left Touch, GSM850 GPRS 4 Tx Ch. 190, Ant Internal, Standard Battery

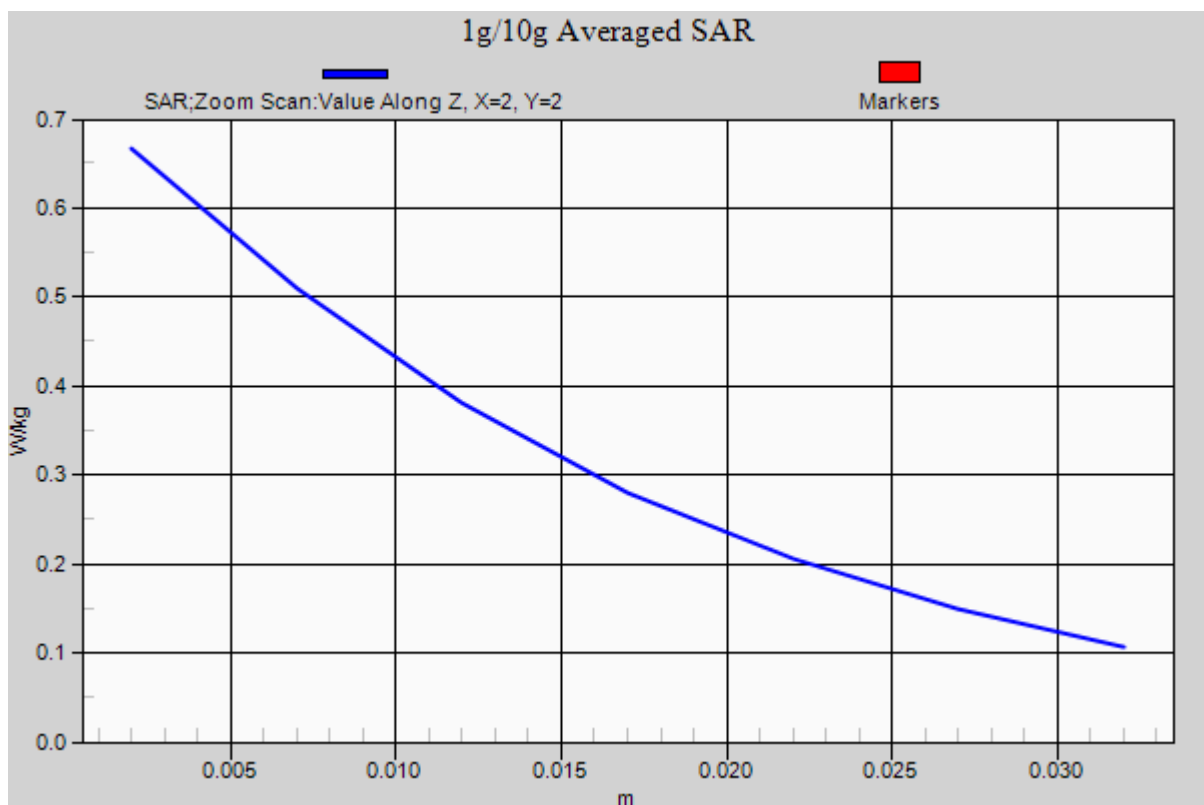
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.740 W/kg

SAR(1 g) = 0.565 W/kg; SAR(10 g) = 0.405 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.412$ S/m; $\epsilon_r = 39.249$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-29; Ambient Temp: 20.8; Tissue Temp: 21.2

Right Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery

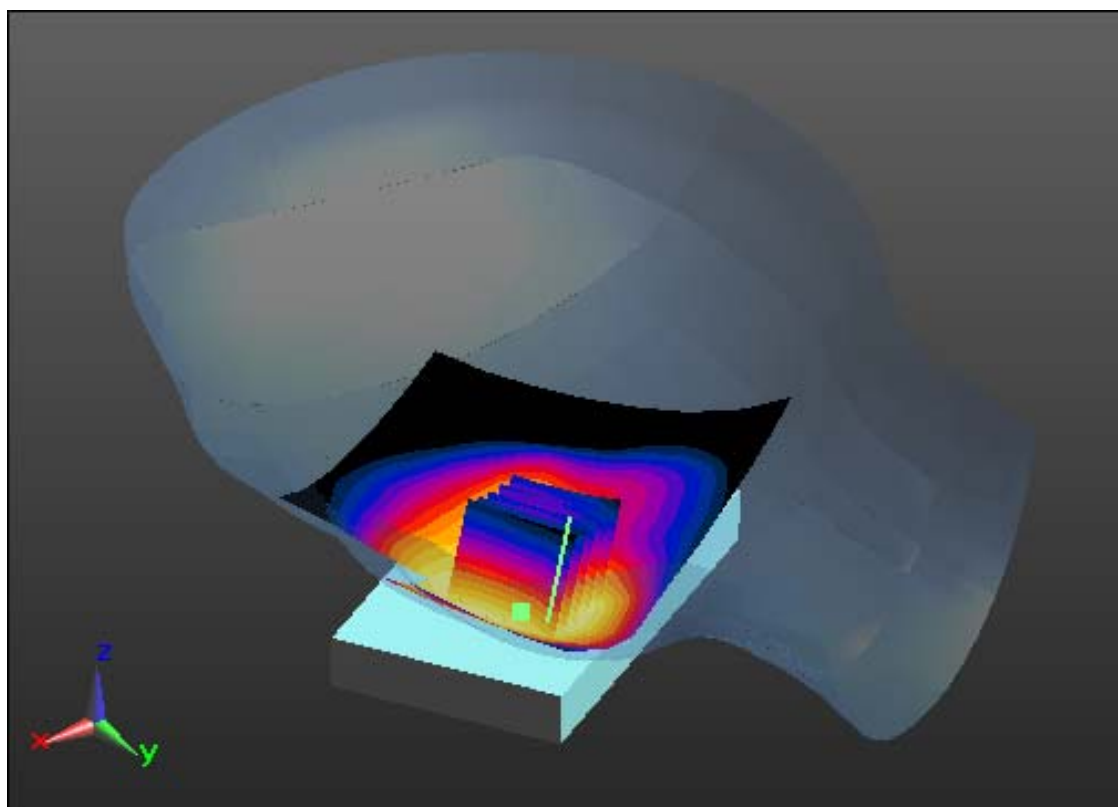
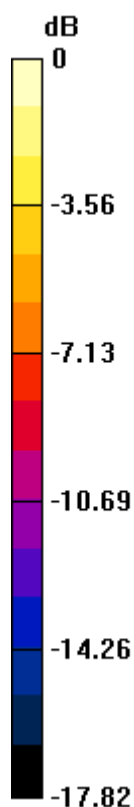
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.517 W/kg



0 dB = 1.13 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.412$ S/m; $\epsilon_r = 39.249$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-29; Ambient Temp: 20.8; Tissue Temp: 21.2

Right Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery

With Enlarge plot image

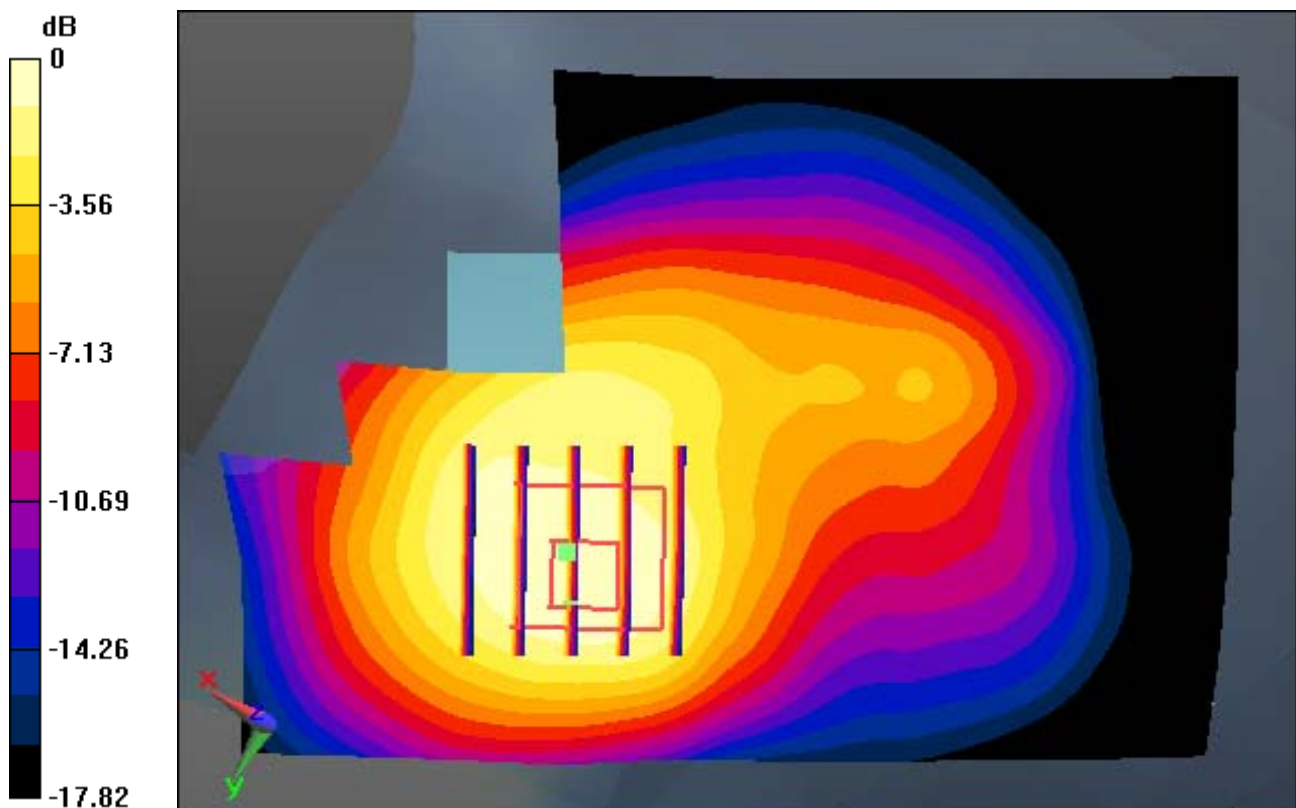
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.517 W/kg



0 dB = 1.13 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS1900_Class 12 (0); Frequency: 1909.8 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1909.8$ MHz; $\sigma = 1.412$ S/m; $\epsilon_r = 39.249$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.84, 7.84, 7.84); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-29; Ambient Temp: 20.8; Tissue Temp: 21.2

Right Touch, PCS1900 GPRS 4 Tx Ch. 810, Ant Internal, Standard Battery

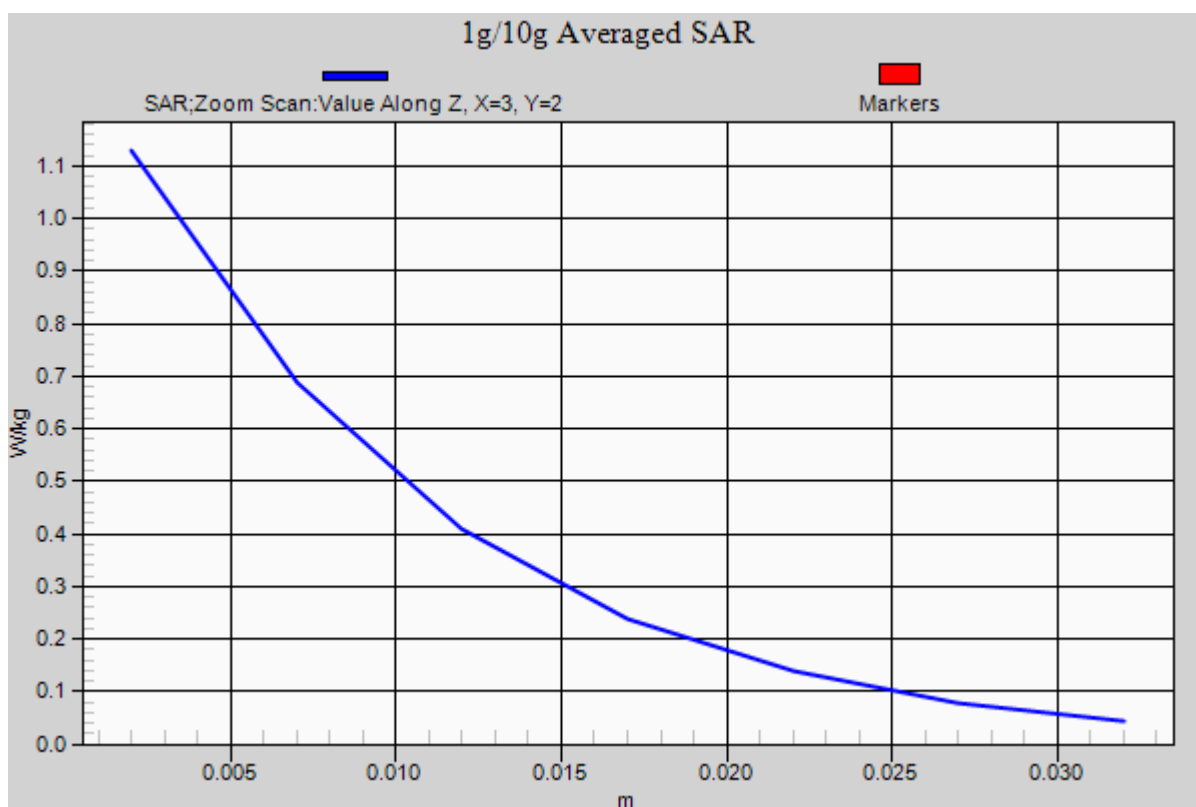
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.41 W/kg

SAR(1 g) = 0.885 W/kg; SAR(10 g) = 0.517 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 40.435$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.9

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

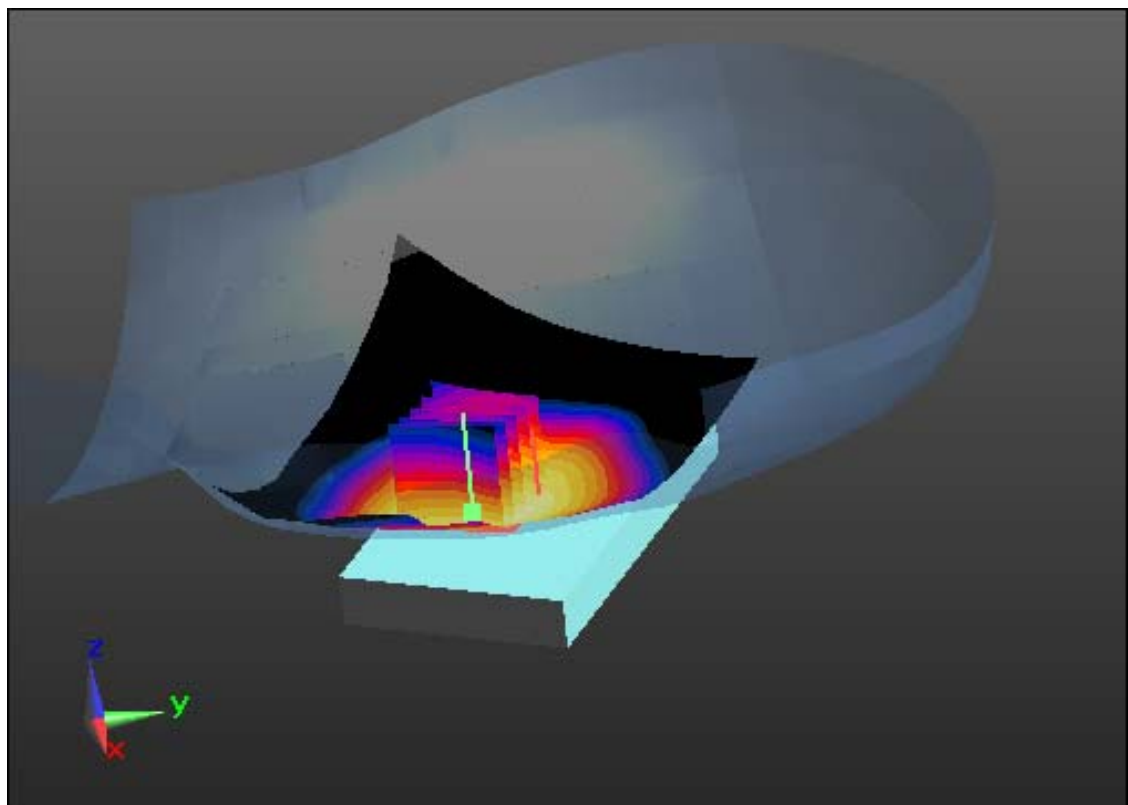
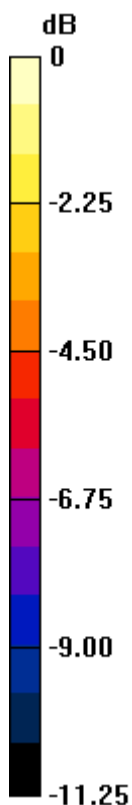
Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.286 W/kg



0 dB = 0.452 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.912 \text{ S/m}$; $\epsilon_r = 40.435$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Left Section

DASY5 Configuration:

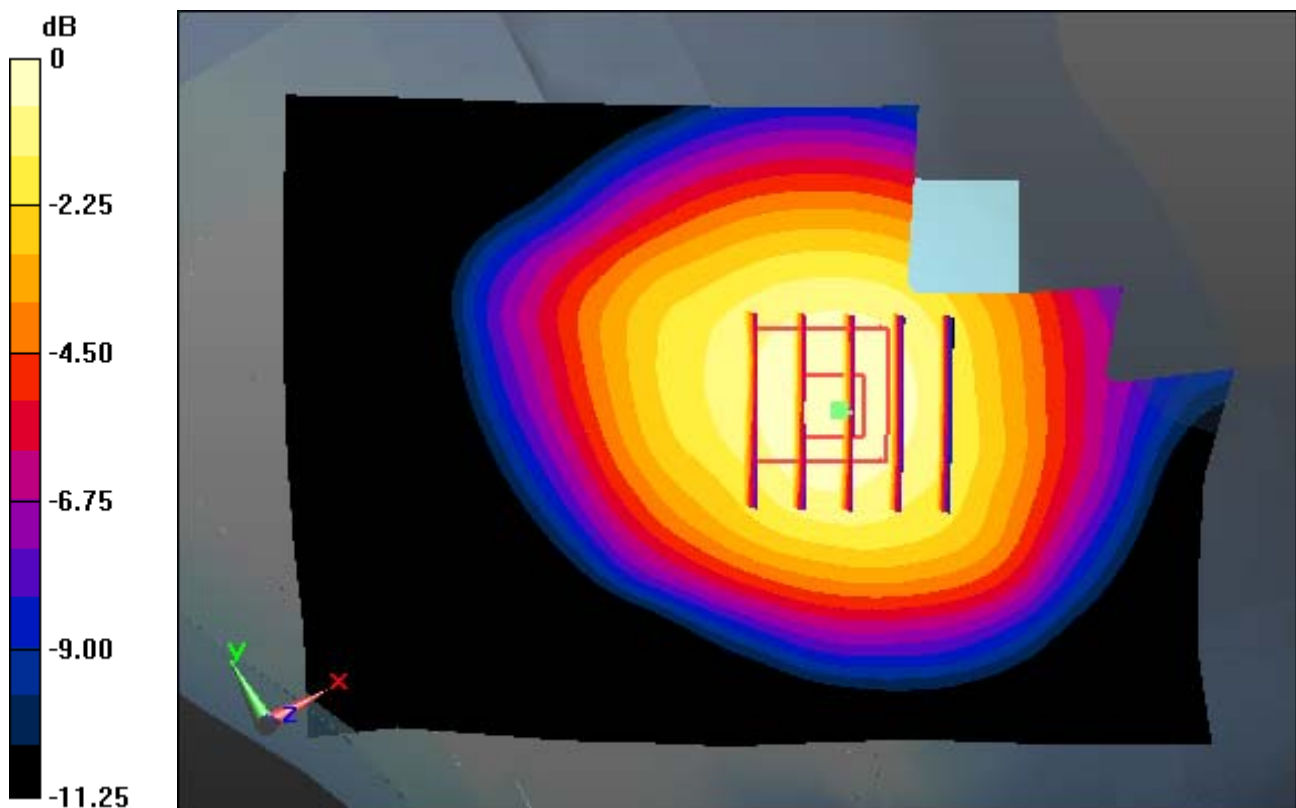
Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.9

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (71x101x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.12 dB
Peak SAR (extrapolated) = 0.499 W/kg
SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.286 W/kg



0 dB = 0.452 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.912$ S/m; $\epsilon_r = 40.435$; $\rho = 1000$ kg/m³

Phantom section: Left Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.53, 9.53, 9.53); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.9

Left Touch, WCDMA850 Ch. 4183, Ant Internal, Standard Battery

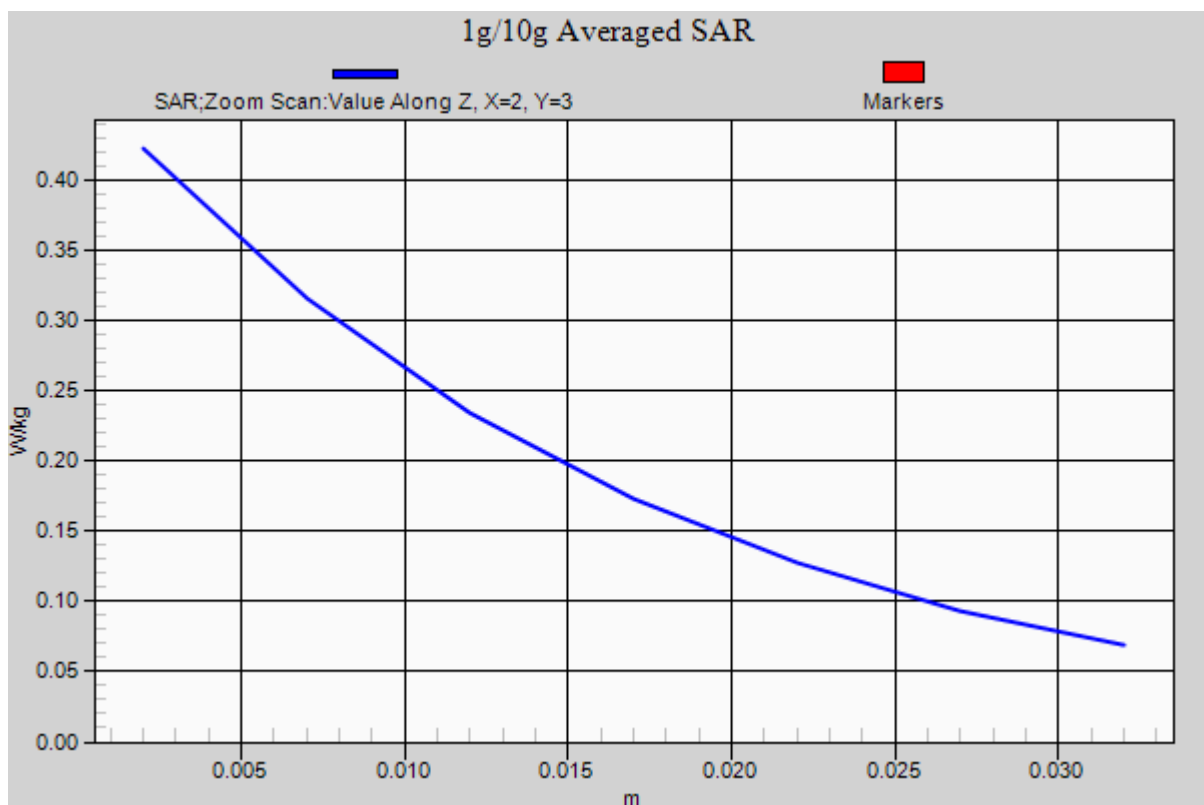
Area Scan (71x101x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.499 W/kg

SAR(1 g) = 0.390 W/kg; SAR(10 g) = 0.286 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 38.86$; $\rho = 1000$ kg/m³

Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

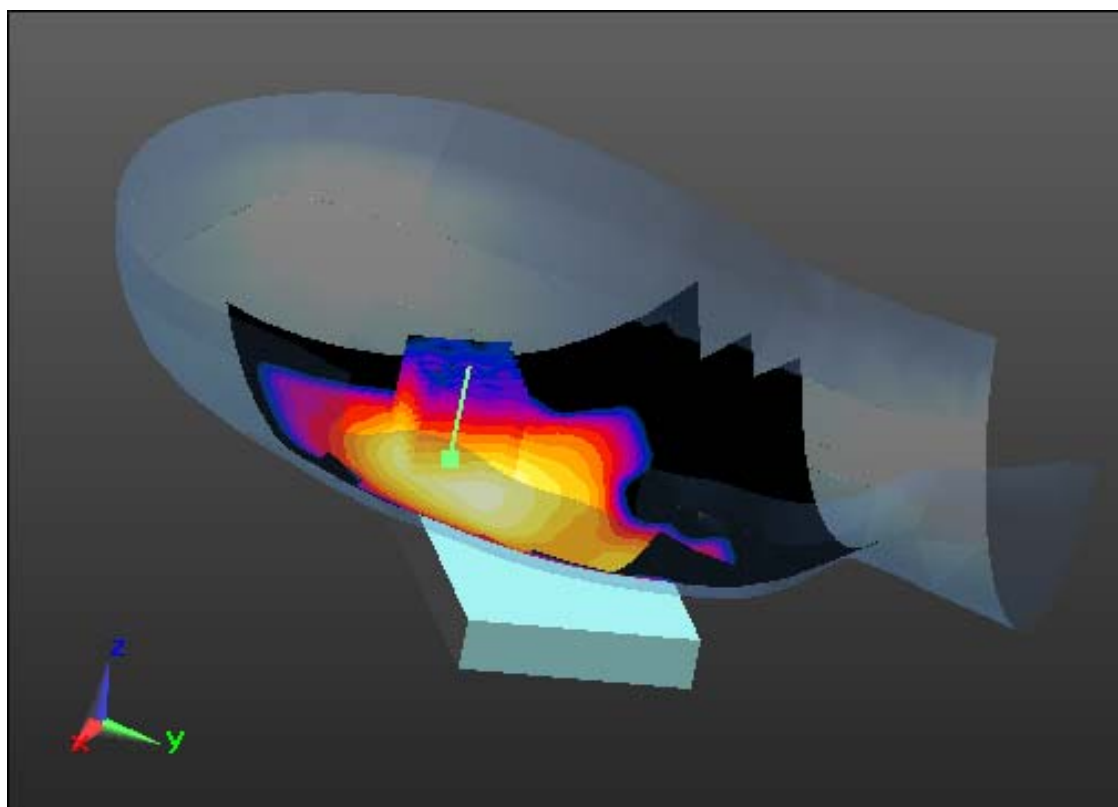
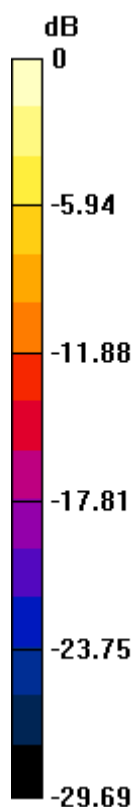
Area Scan (131x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.903 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.193 W/kg



0 dB = 0.612 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 1.802 \text{ S/m}$; $\epsilon_r = 38.86$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Right Section

DASY5 Configuration:

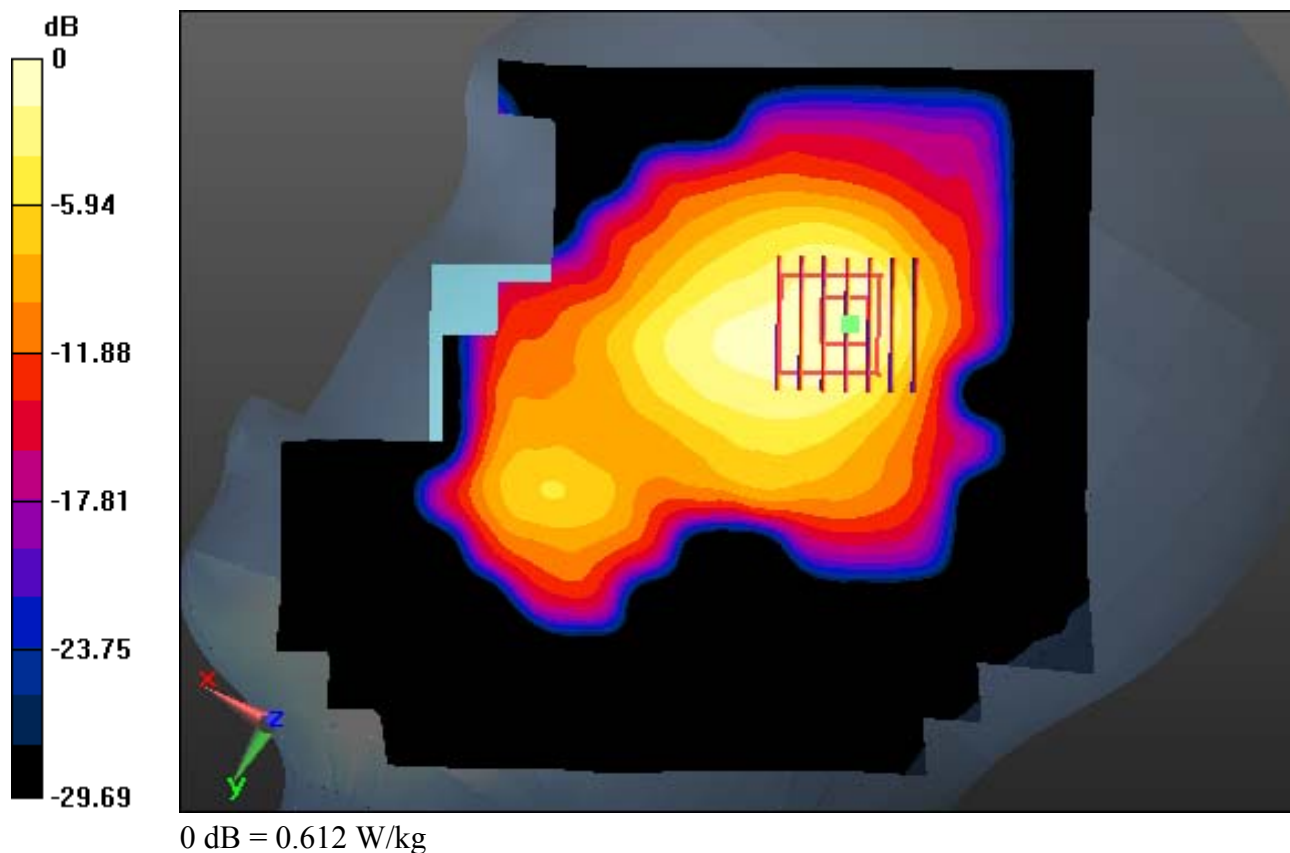
Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

With Enlarge plot image

Area Scan (131x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.06 dB
Peak SAR (extrapolated) = 0.903 W/kg
SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.193 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 1.802$ S/m; $\epsilon_r = 38.86$; $\rho = 1000$ kg/m³
Phantom section: Right Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.04, 7.04, 7.04); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

Right Touch, W-LAN(802.11b) Ch. 11, Ant Internal, Standard Battery

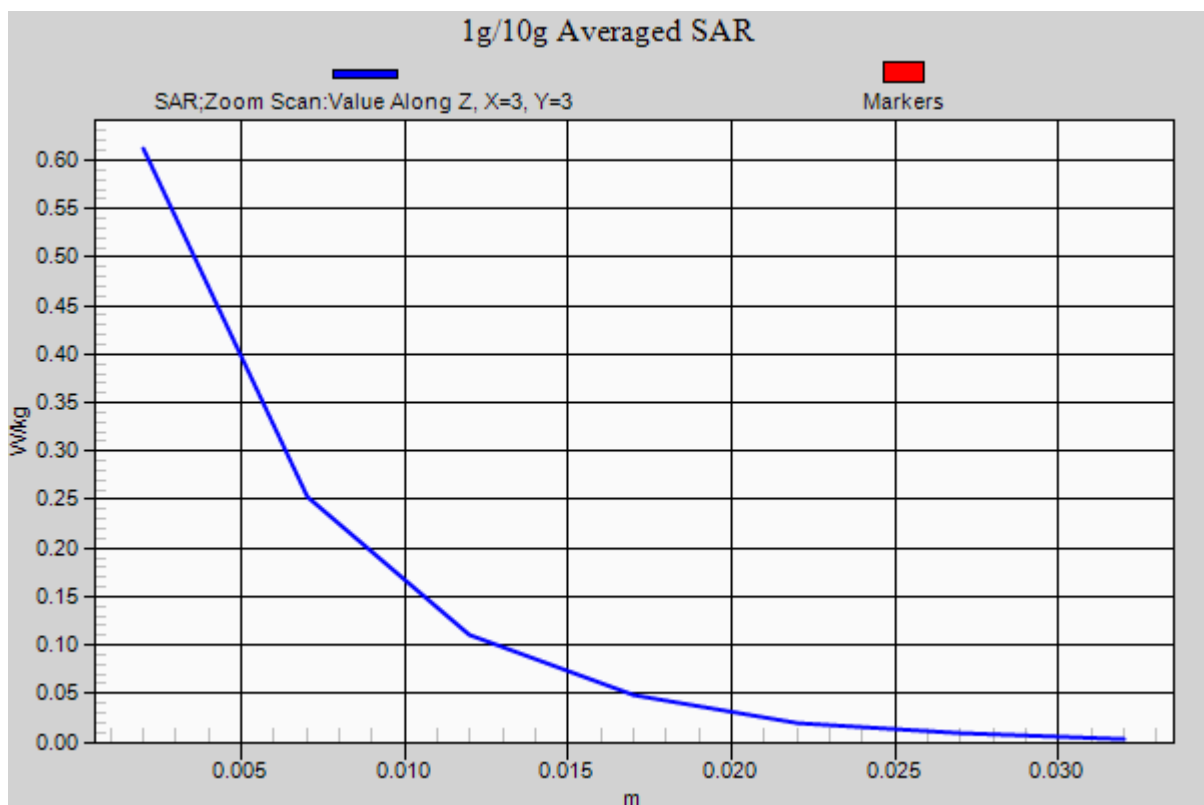
Area Scan (131x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.903 W/kg

SAR(1 g) = 0.388 W/kg; SAR(10 g) = 0.193 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.983 \text{ S/m}$; $\epsilon_r = 55.129$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

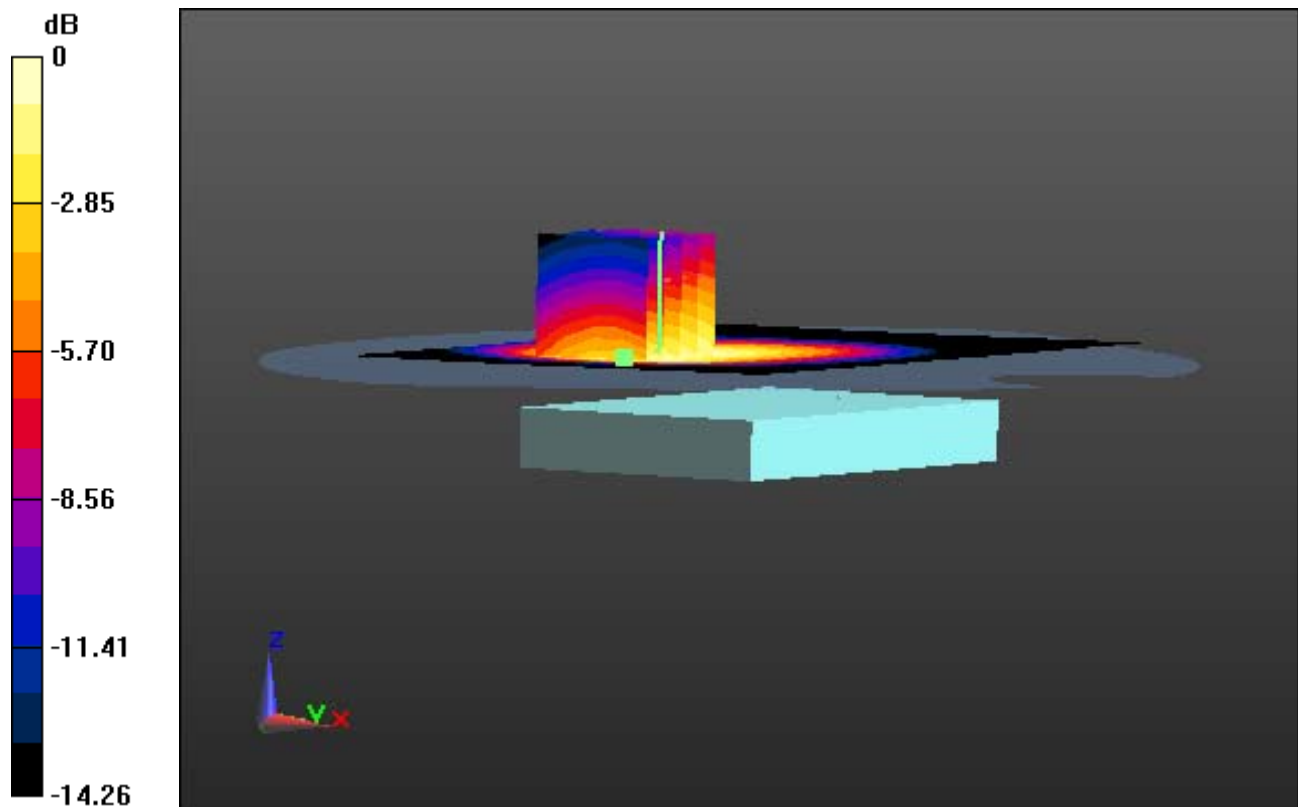
1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

Area Scan (81x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.430 W/kg



0 dB = 0.838 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.983 \text{ S/m}$; $\epsilon_r = 55.129$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

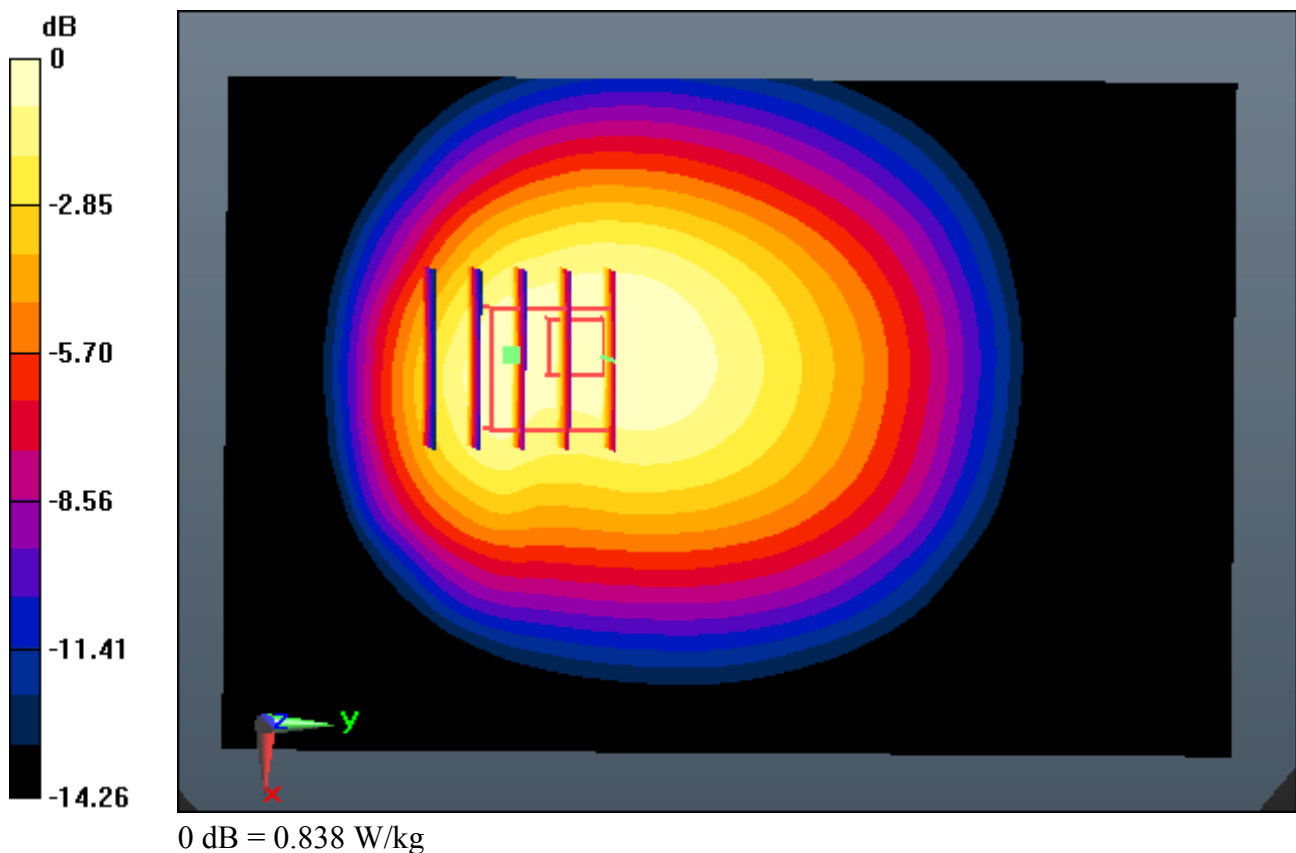
Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

With Enlarge plot image

Area Scan (81x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.00 dB
Peak SAR (extrapolated) = 0.961 W/kg
SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.430 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.983$ S/m; $\epsilon_r = 55.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 Ch. 190, Ant Internal

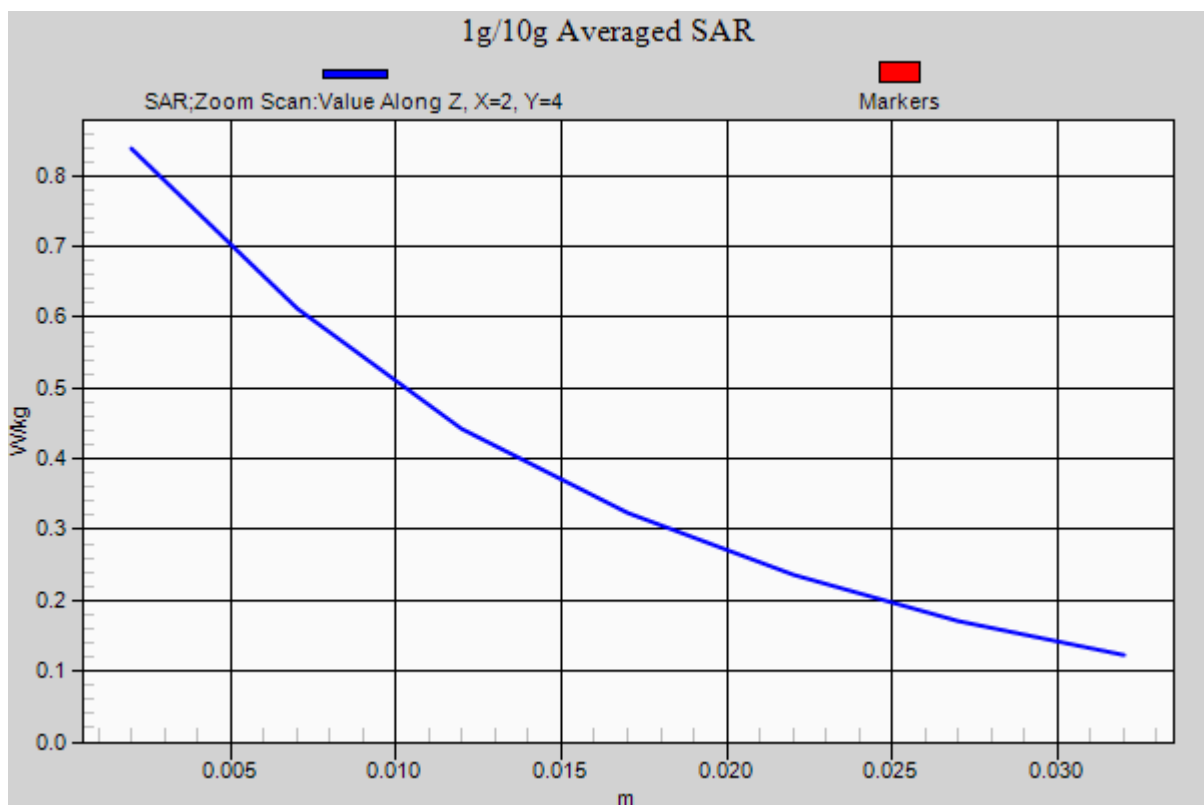
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.961 W/kg

SAR(1 g) = 0.654 W/kg; SAR(10 g) = 0.430 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.983 \text{ S/m}$; $\epsilon_r = 55.129$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

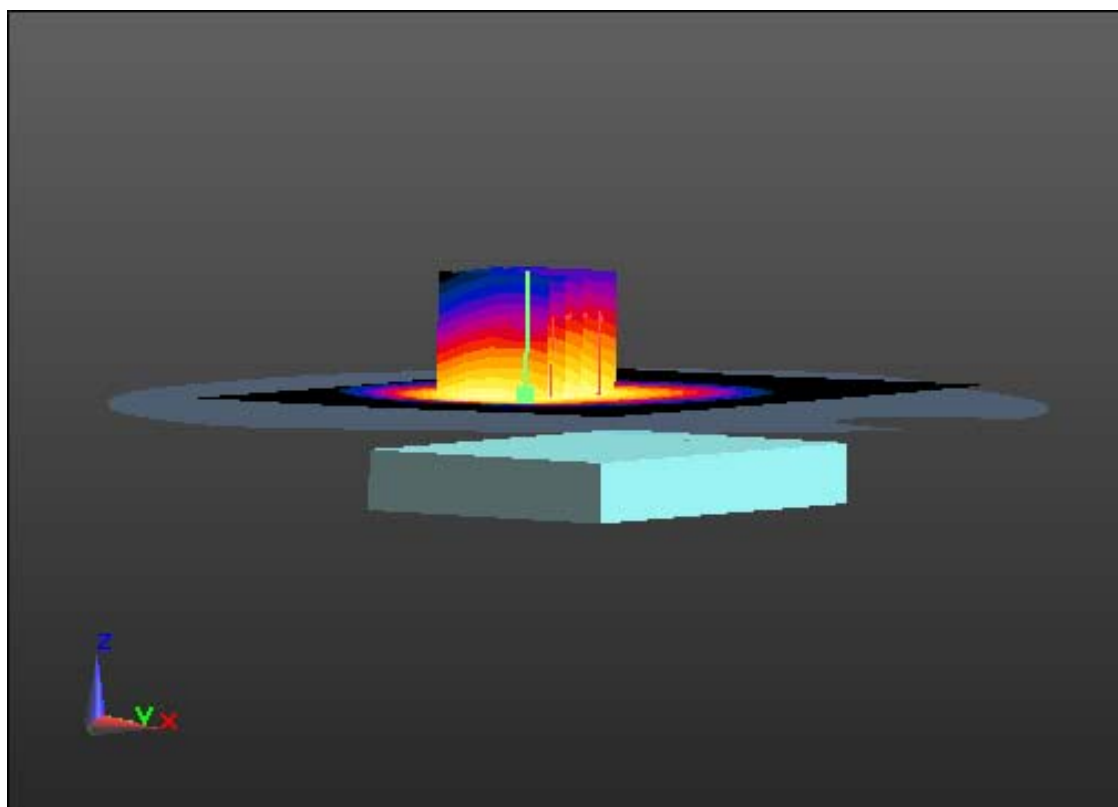
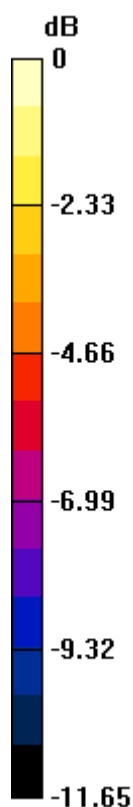
Area Scan (81x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.759 W/kg



0 dB = 1.31 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.983$ S/m; $\epsilon_r = 55.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

With Enlarge plot image

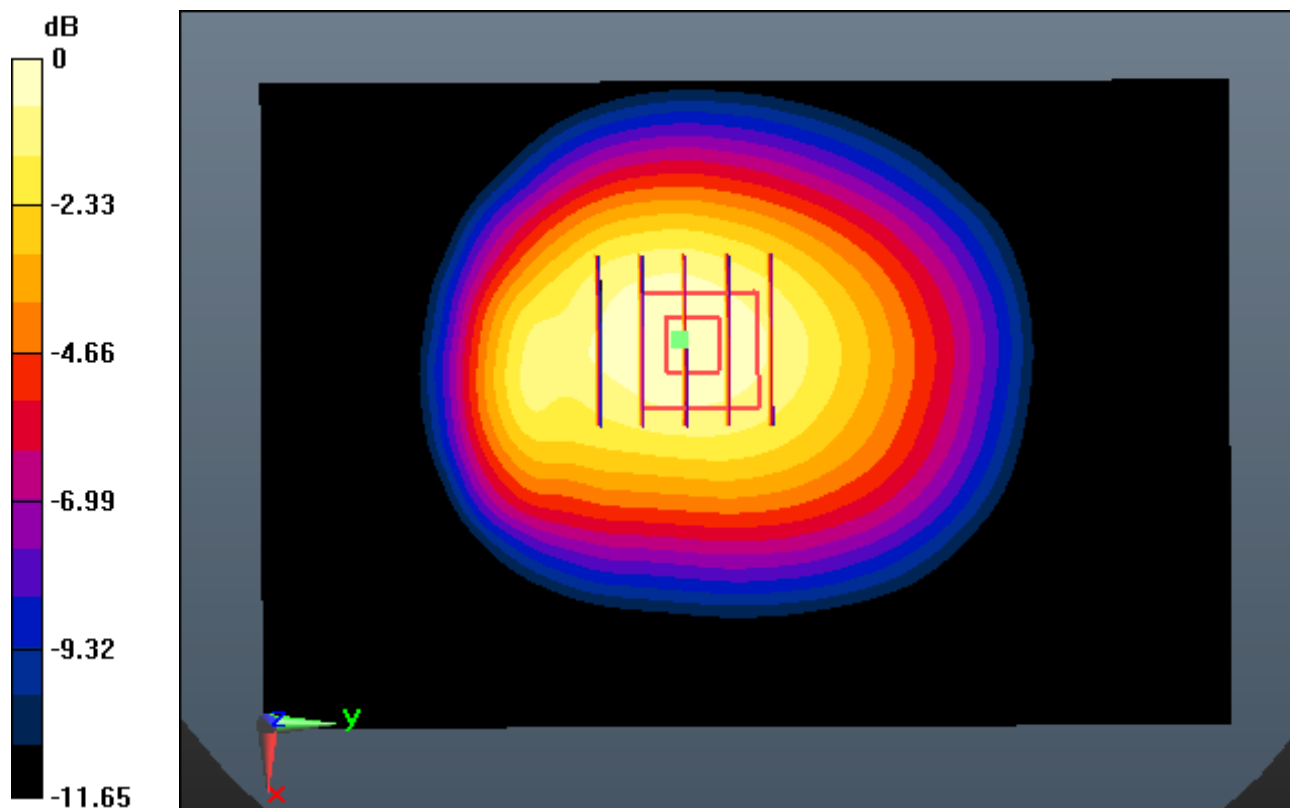
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.759 W/kg



0 dB = 1.31 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: GSM 850_12 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.983$ S/m; $\epsilon_r = 55.129$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-11; Ambient Temp: 20.4; Tissue Temp: 21.0

1 cm space from Body, Rear, GSM850 GPRS 4 Tx Ch. 190, Ant Internal

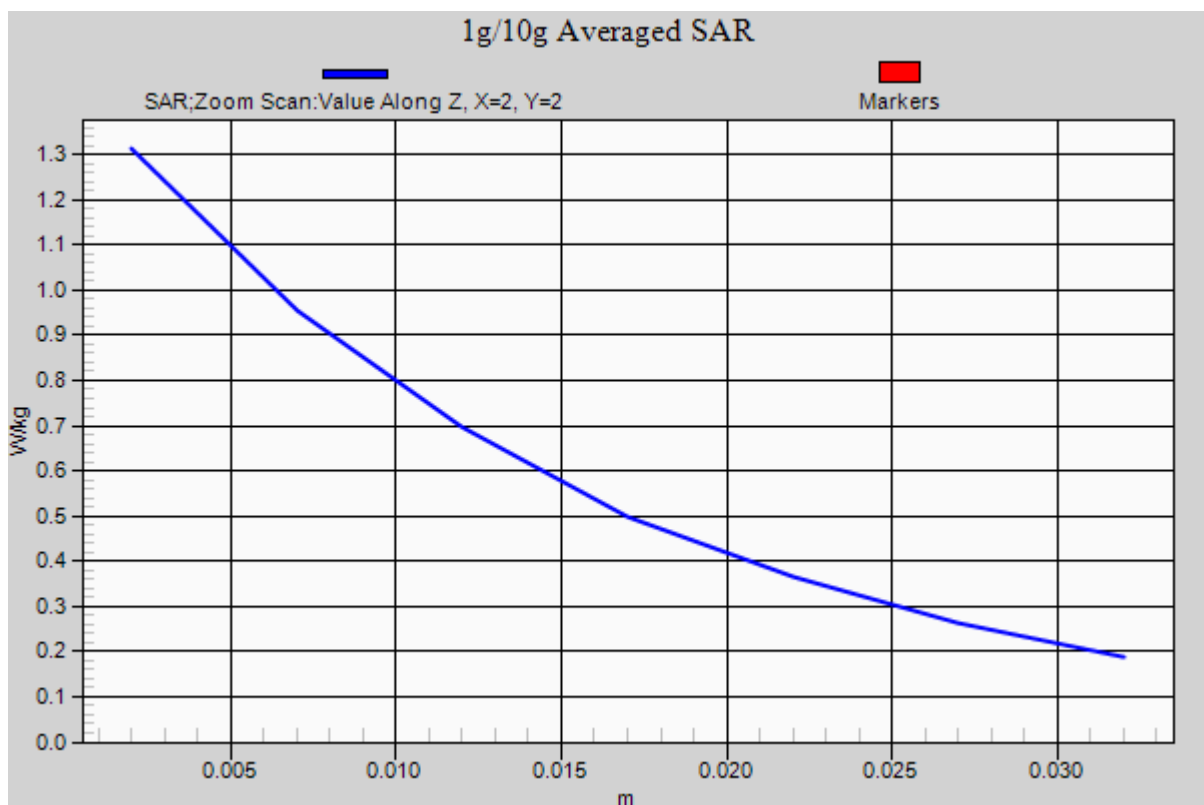
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.48 W/kg

SAR(1 g) = 1.08 W/kg; SAR(10 g) = 0.759 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ S/m; $\epsilon_r = 51.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

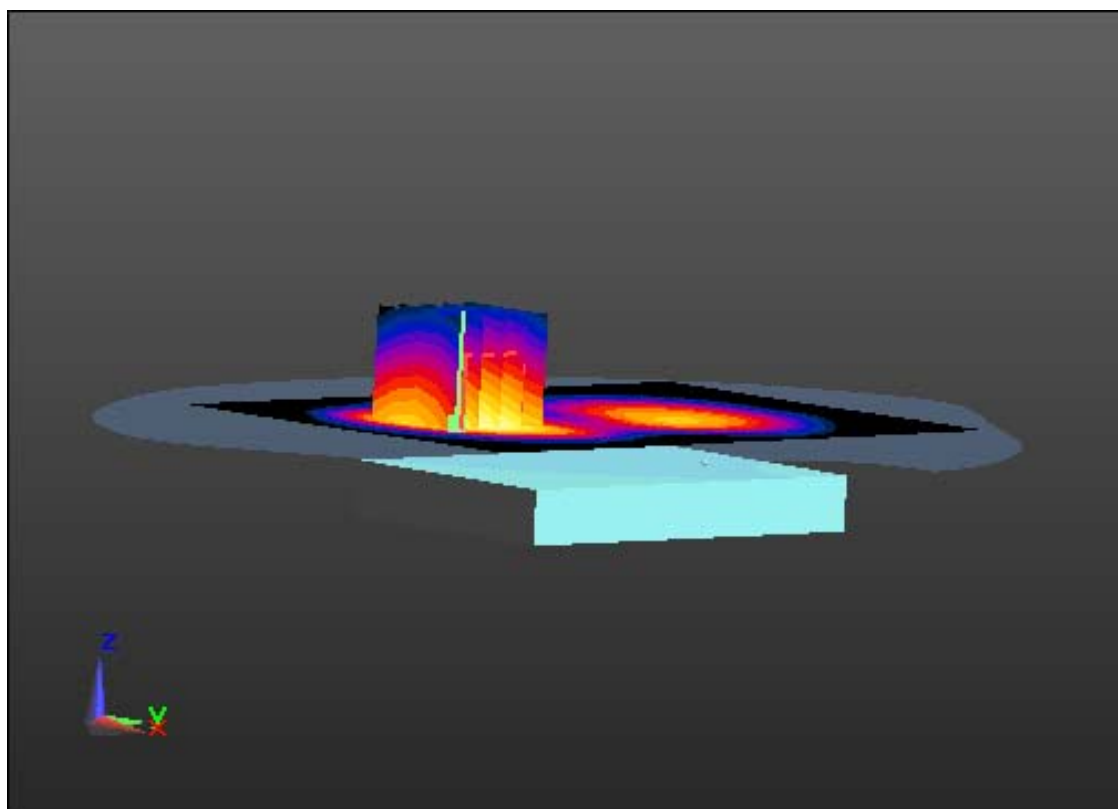
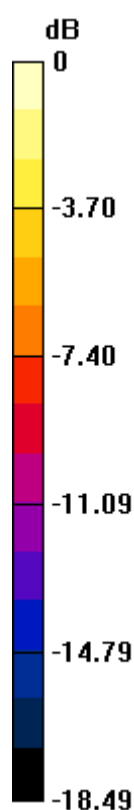
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.275 W/kg



0 dB = 0.716 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.521 \text{ S/m}$; $\epsilon_r = 51.692$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

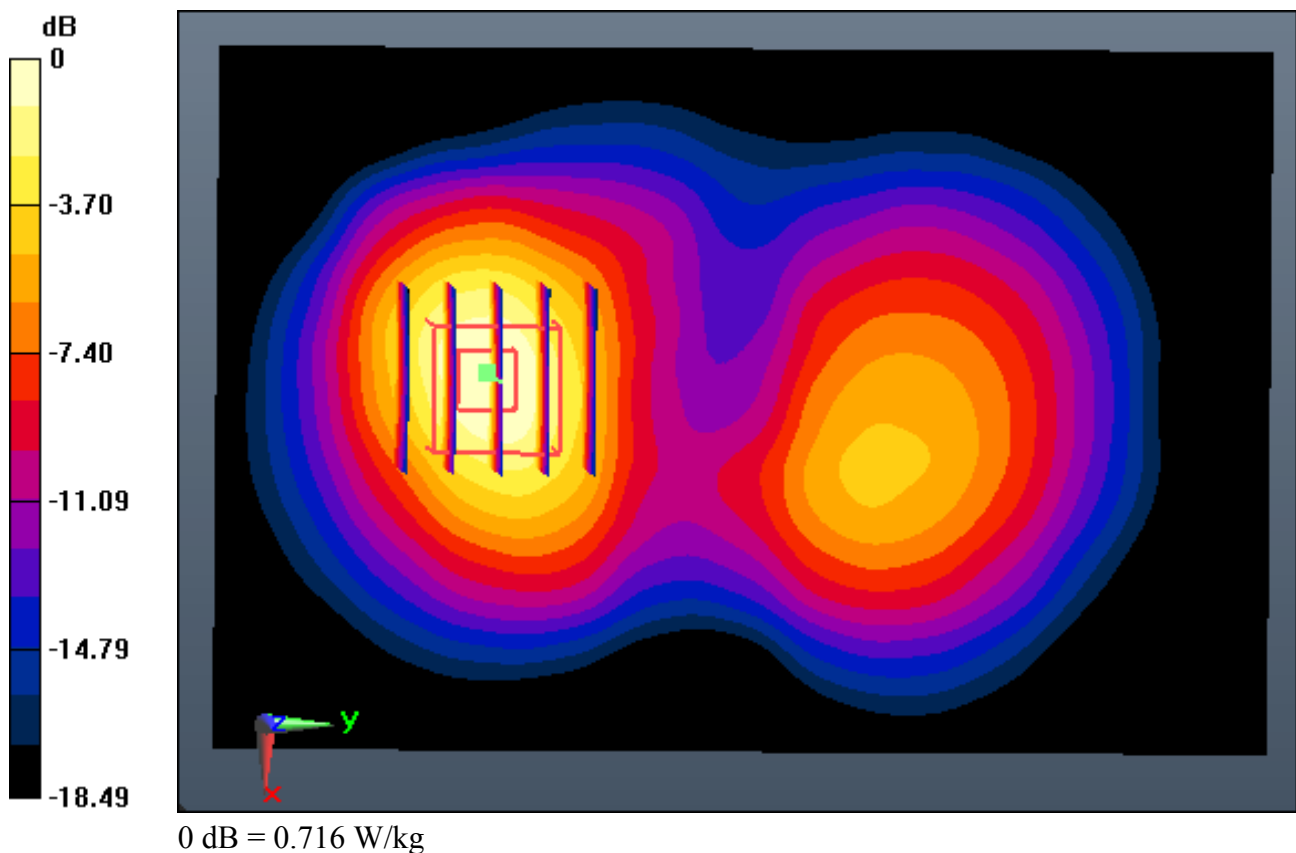
Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

With Enlarge plot image

Area Scan (81x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = -0.01 dB
Peak SAR (extrapolated) = 0.910 W/kg
SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.275 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS 1900 (0); Frequency: 1880 MHz; Duty Cycle: 1:8.3
Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ S/m; $\epsilon_r = 51.692$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 Ch. 661, Ant Internal

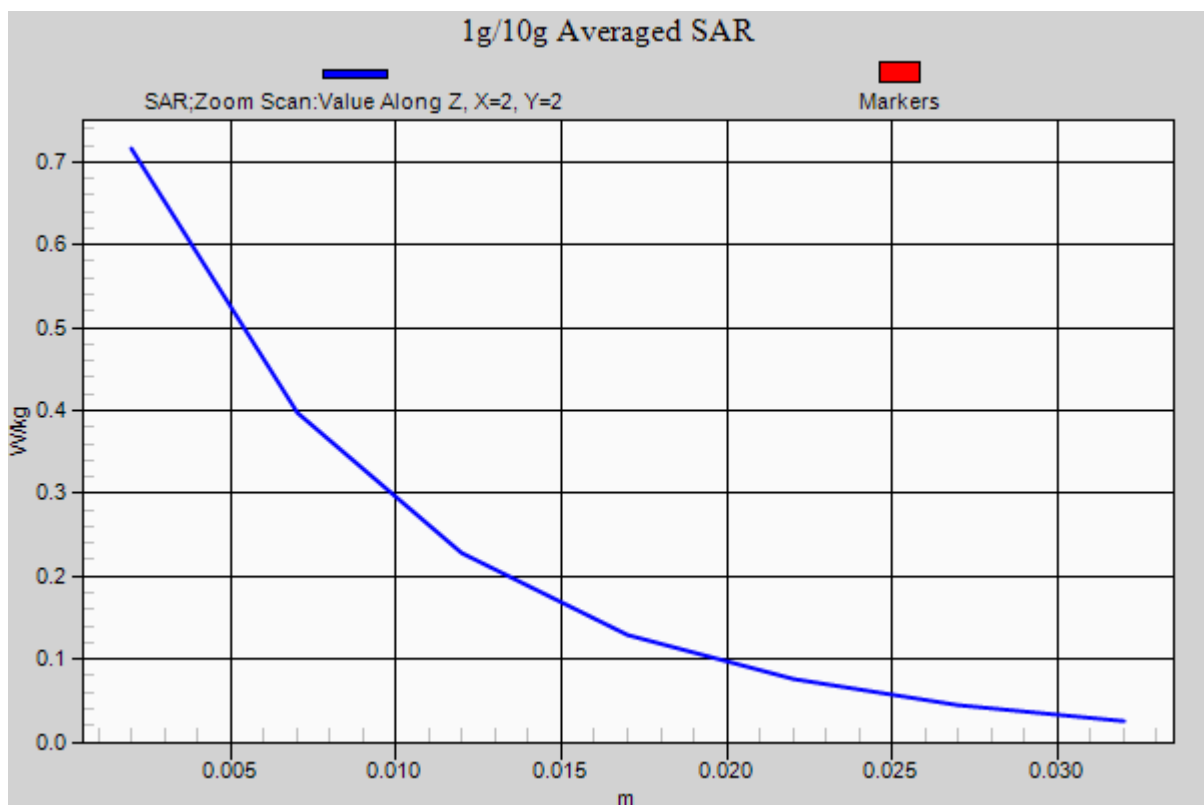
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.910 W/kg

SAR(1 g) = 0.511 W/kg; SAR(10 g) = 0.275 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ S/m; $\epsilon_r = 51.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

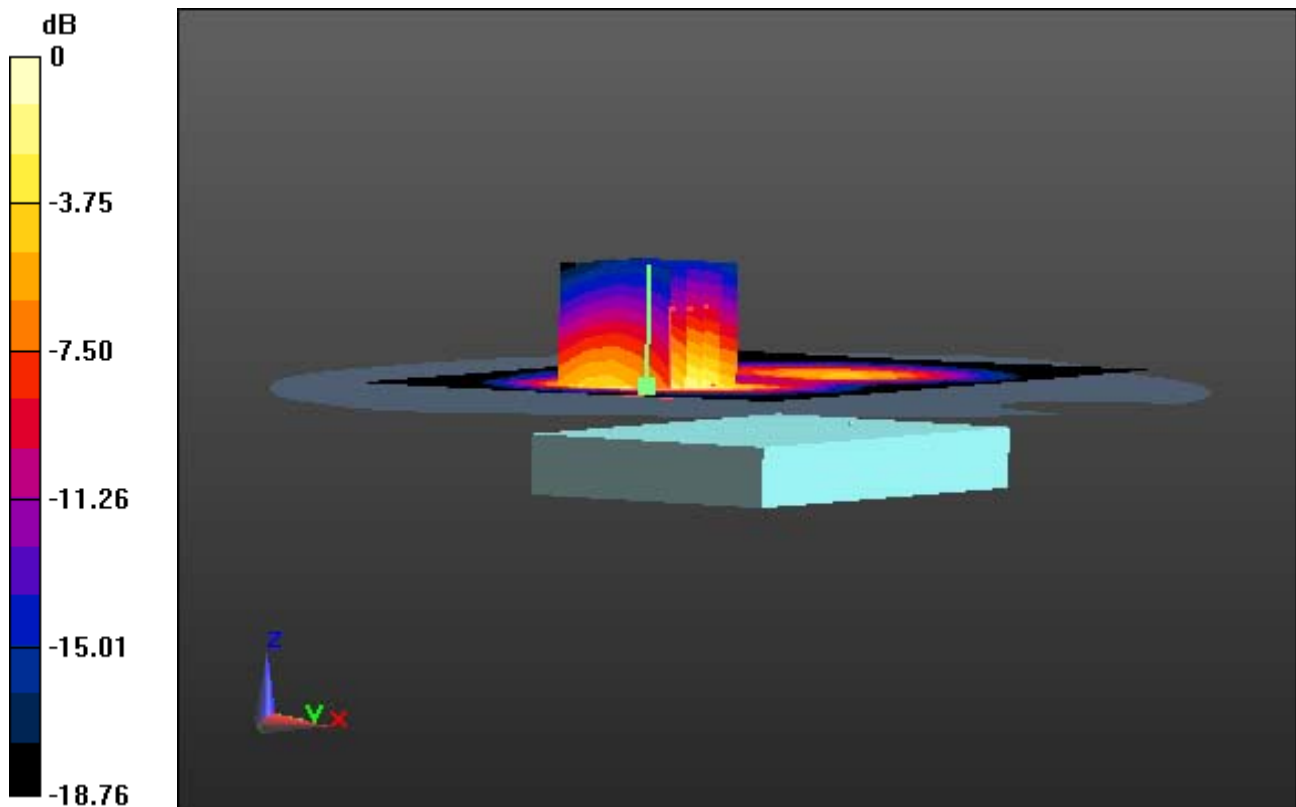
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.410 W/kg



0 dB = 1.07 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.521 \text{ S/m}$; $\epsilon_r = 51.692$; $\rho = 1000 \text{ kg/m}^3$

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

With Enlarge plot image

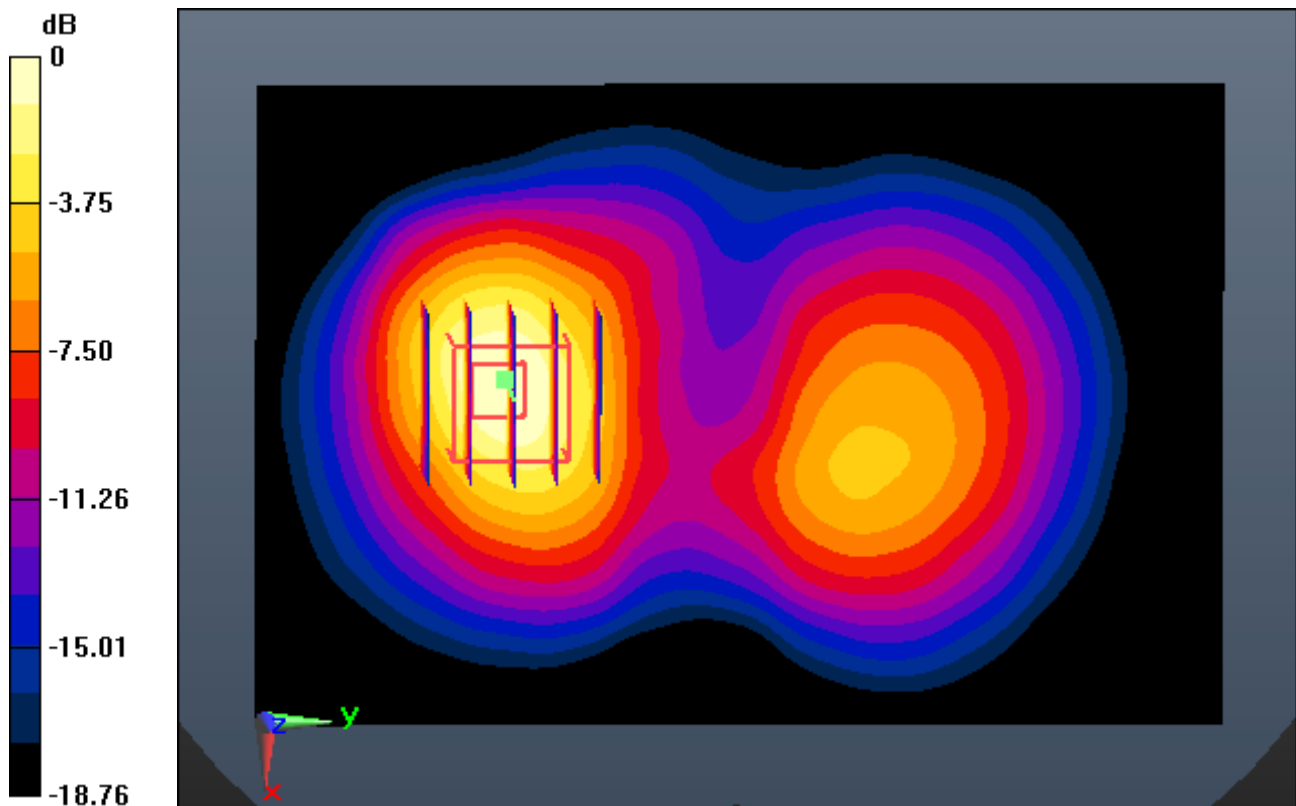
Area Scan (81x121x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.410 W/kg



0 dB = 1.07 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: PCS1900_Class 12; Frequency: 1880 MHz; Duty Cycle: 1:2.075

Medium parameters used: $f = 1880$ MHz; $\sigma = 1.521$ S/m; $\epsilon_r = 51.692$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.45, 7.45, 7.45); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392

Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679

Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-30; Ambient Temp: 20.4; Tissue Temp: 21.1

1 cm space from Body, Rear, PCS1900 GPRS 4 Tx Ch. 661, Ant Internal

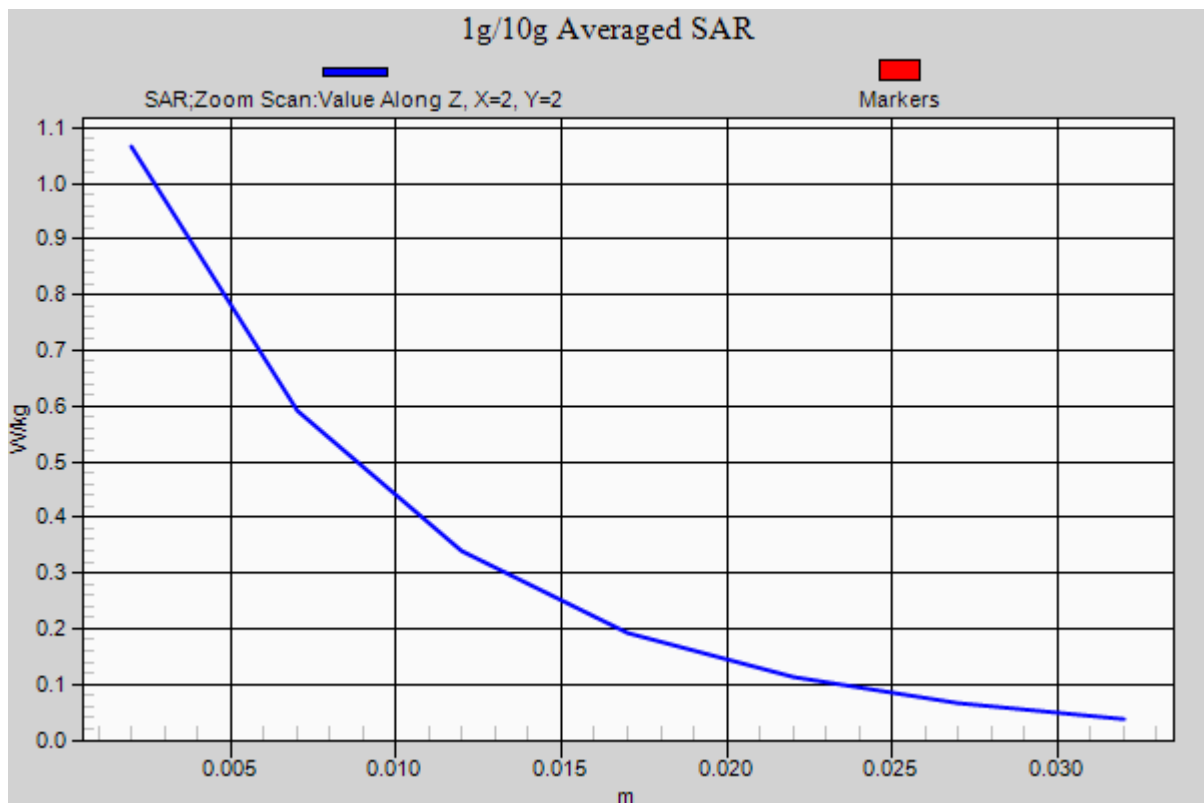
Area Scan (81x121x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.36 W/kg

SAR(1 g) = 0.761 W/kg; SAR(10 g) = 0.410 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.984 \text{ S/m}$; $\epsilon_r = 55.525$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.7

1 cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal

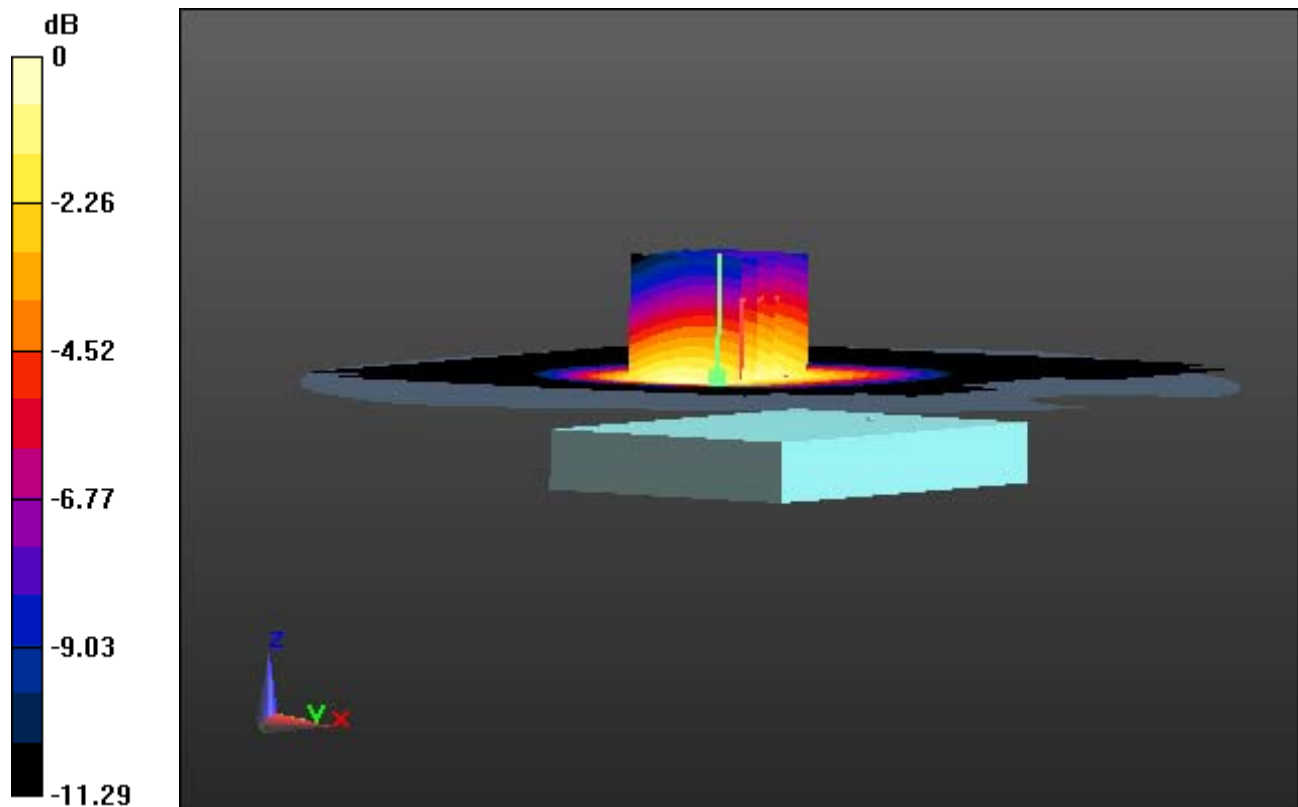
Area Scan (111x131x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.978 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.509 W/kg



0 dB = 0.864 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.984 \text{ S/m}$; $\epsilon_r = 55.525$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

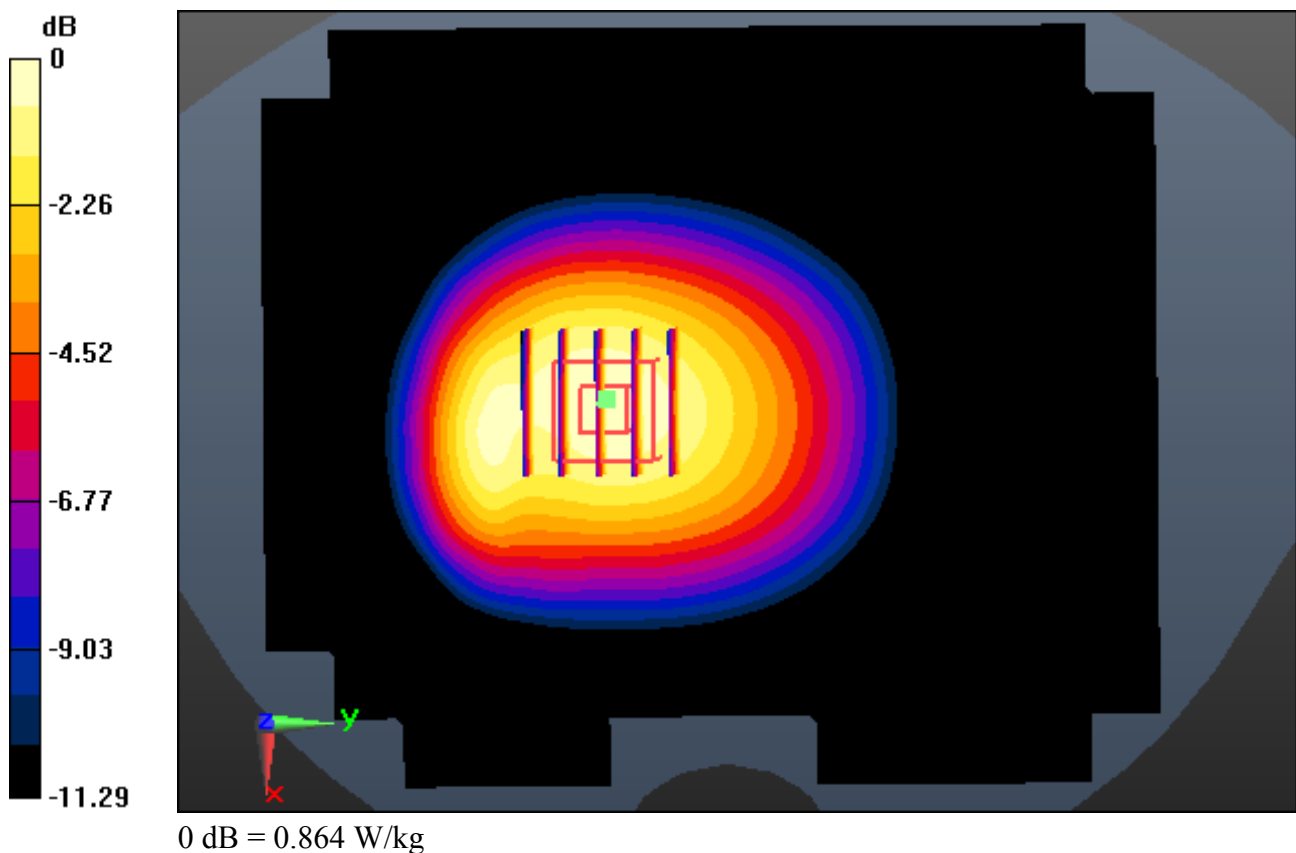
Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.7

1 cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal

With Enlarge plot image

Area Scan (111x131x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$
Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.02 dB
Peak SAR (extrapolated) = 0.978 W/kg
SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.509 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: WCDMA 850 ; Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.984$ S/m; $\epsilon_r = 55.525$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(9.57, 9.57, 9.57); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-09; Ambient Temp: 20.3; Tissue Temp: 20.7

1 cm space from Body, Rear, WCDMA850 Ch. 4183, Ant Internal

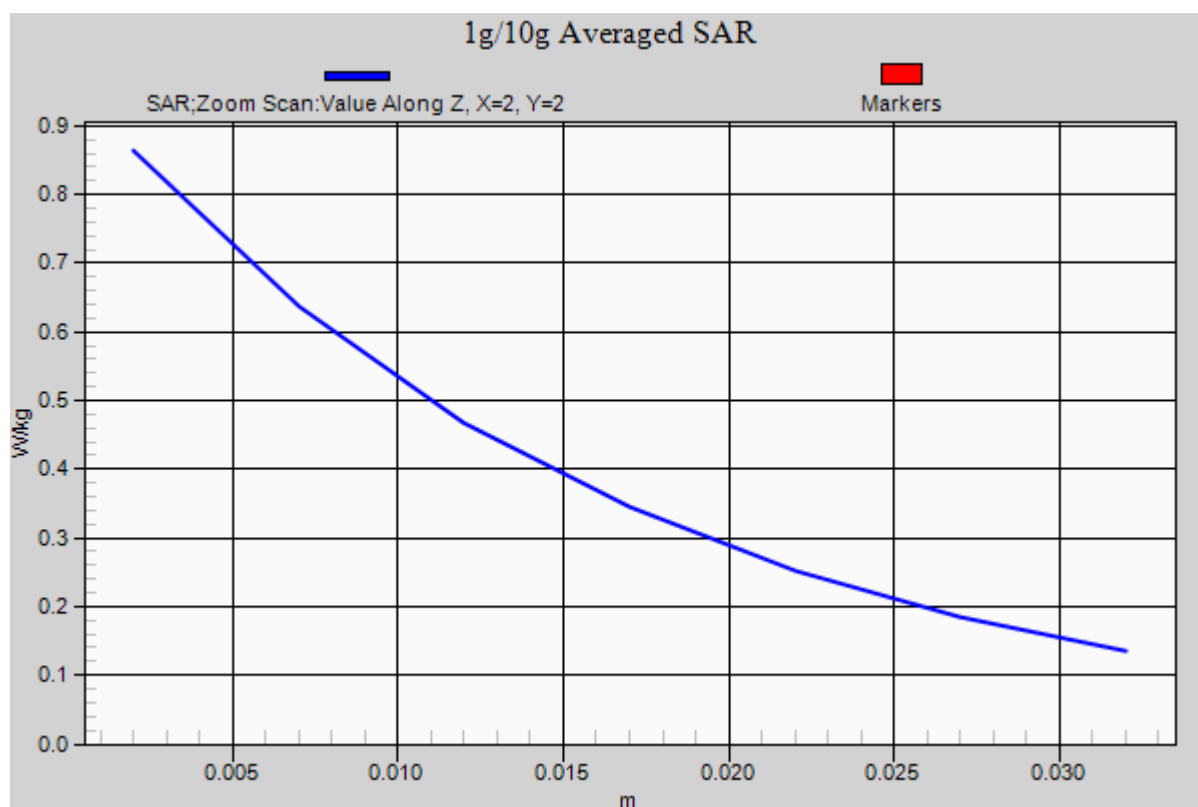
Area Scan (111x131x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.978 W/kg

SAR(1 g) = 0.721 W/kg; SAR(10 g) = 0.509 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462$ MHz; $\sigma = 2.003$ S/m; $\epsilon_r = 52.638$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, Ant Internal

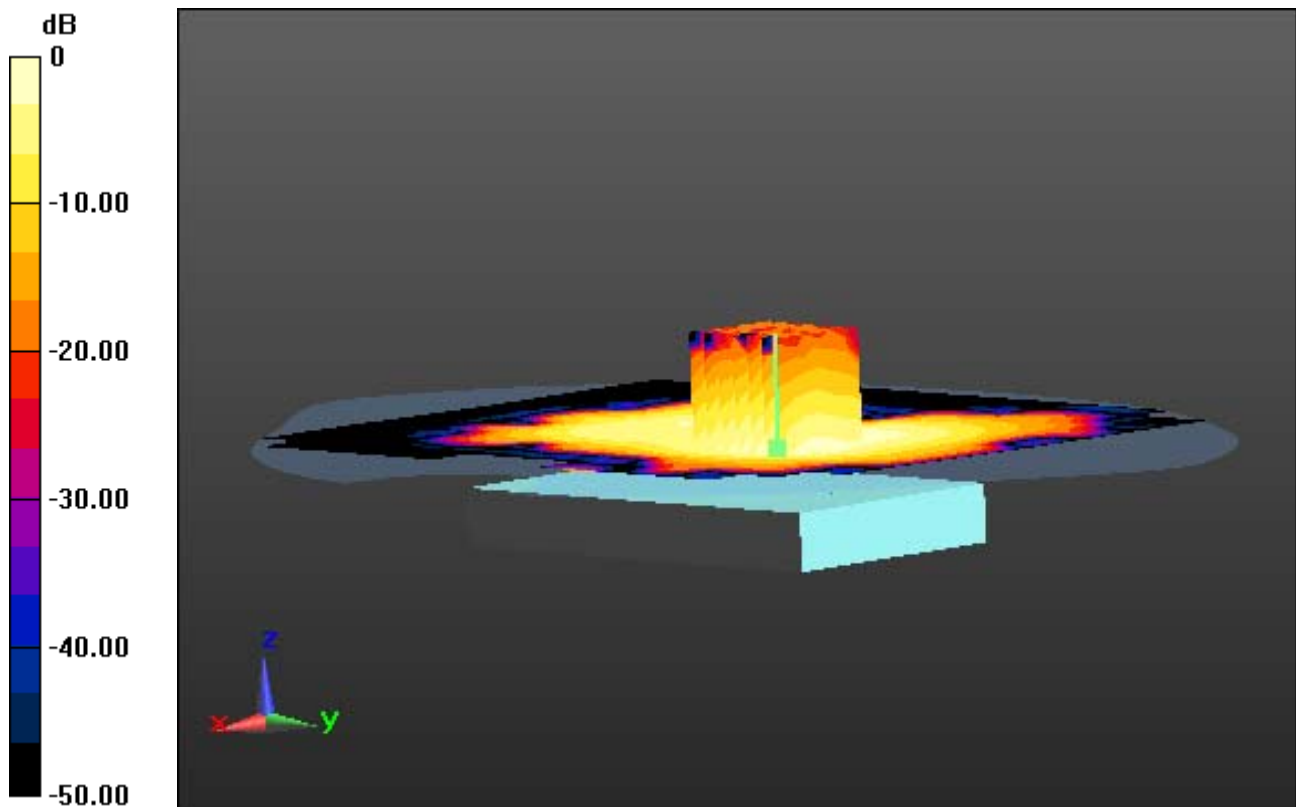
Area Scan (141x161x1): Interpolated grid: dx=12mm, dy=12mm

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.078 W/kg



0 dB = 0.210 W/kg

DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.003 \text{ S/m}$; $\epsilon_r = 52.638$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

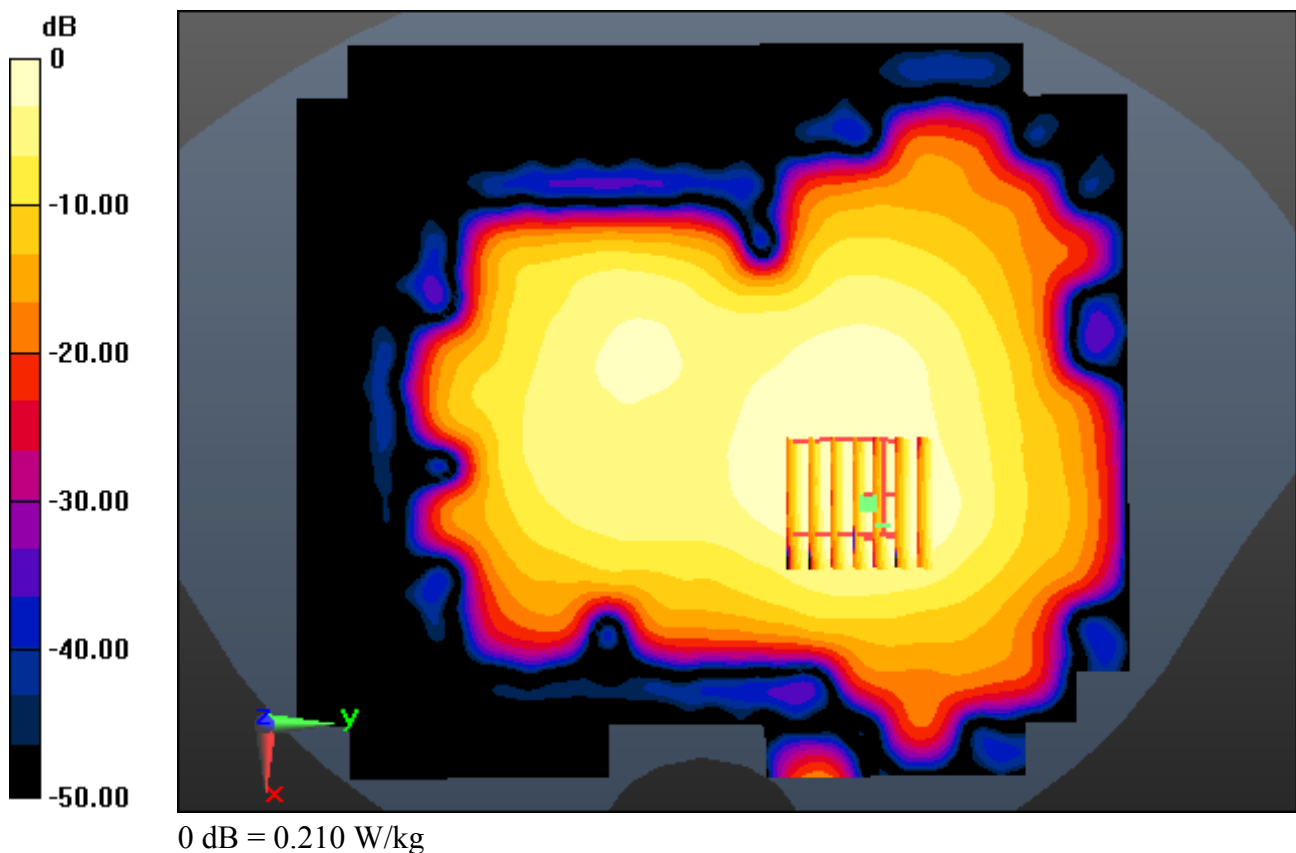
Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, Ant Internal

With Enlarge plot image

Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$
Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=5\text{mm}$, $dy=5\text{mm}$, $dz=5\text{mm}$
Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.285 W/kg
SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.078 W/kg



DIGITAL EMC CO., LTD

DUT: LG-D120f; Type: Bar

Communication System: W-LAN (0); Frequency: 2462 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 2462 \text{ MHz}$; $\sigma = 2.003 \text{ S/m}$; $\epsilon_r = 52.638$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3866; ConvF(7.03, 7.03, 7.03); Calibrated: 2013-07-30; Electronics: DAE4 Sn1392
Phantom: SAM with CRP_20120521; Type: SAM; Serial: 1679
Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

Test Date: 2014-04-08; Ambient Temp: 20.5; Tissue Temp: 20.8

1 cm space from Body, Rear, W-LAN(802.11b) Ch. 11, Ant Internal

Area Scan (141x161x1): Interpolated grid: $dx=12\text{mm}$, $dy=12\text{mm}$

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

Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.285 W/kg

SAR(1 g) = 0.145 W/kg; SAR(10 g) = 0.078 W/kg

