

SAR Plots

- Verification Plots
- SAR Test Plots

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835 \text{ MHz}$; $\sigma = 0.961 \text{ S/m}$; $\epsilon_r = 53.439$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-21; Ambient Temp: 20.9; Tissue Temp: 21.5

835 MHz System Verification

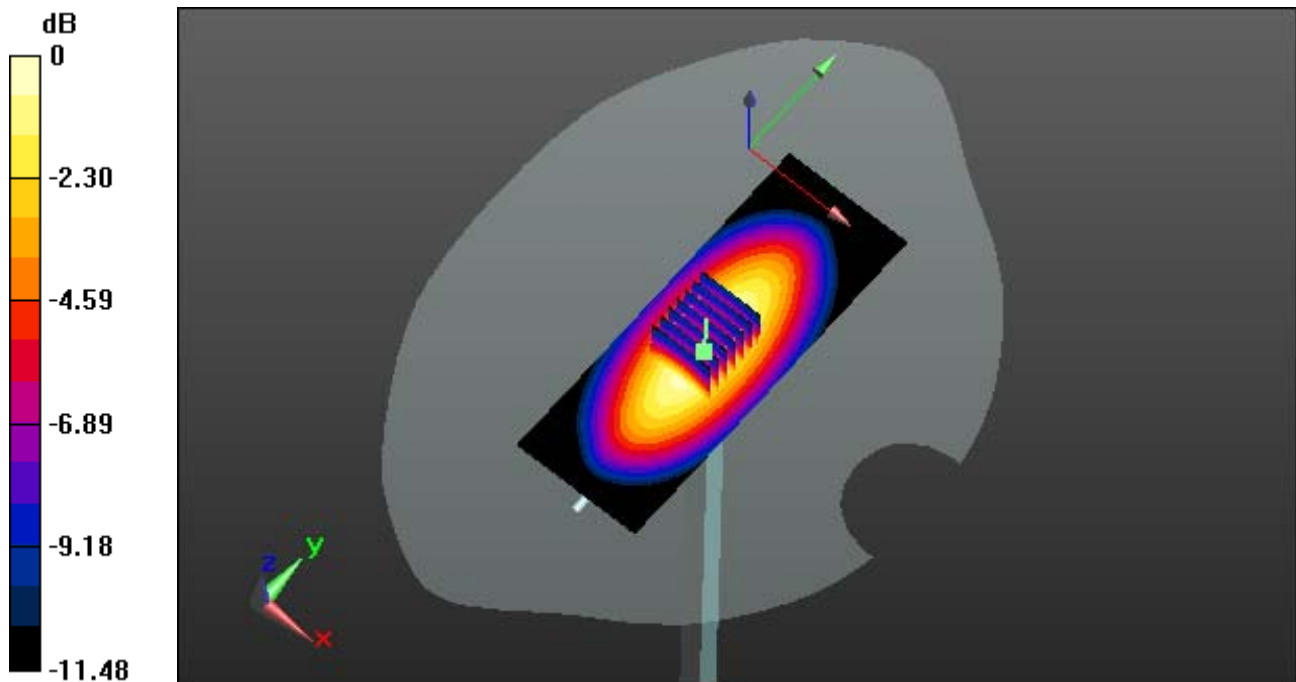
Area Scan (41x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.56 W/kg



0 dB = 3.18 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

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Medium parameters used: $f = 835$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 53.439$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt) 2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-21; Ambient Temp: 20.9; Tissue Temp: 21.5

835 MHz System Verification

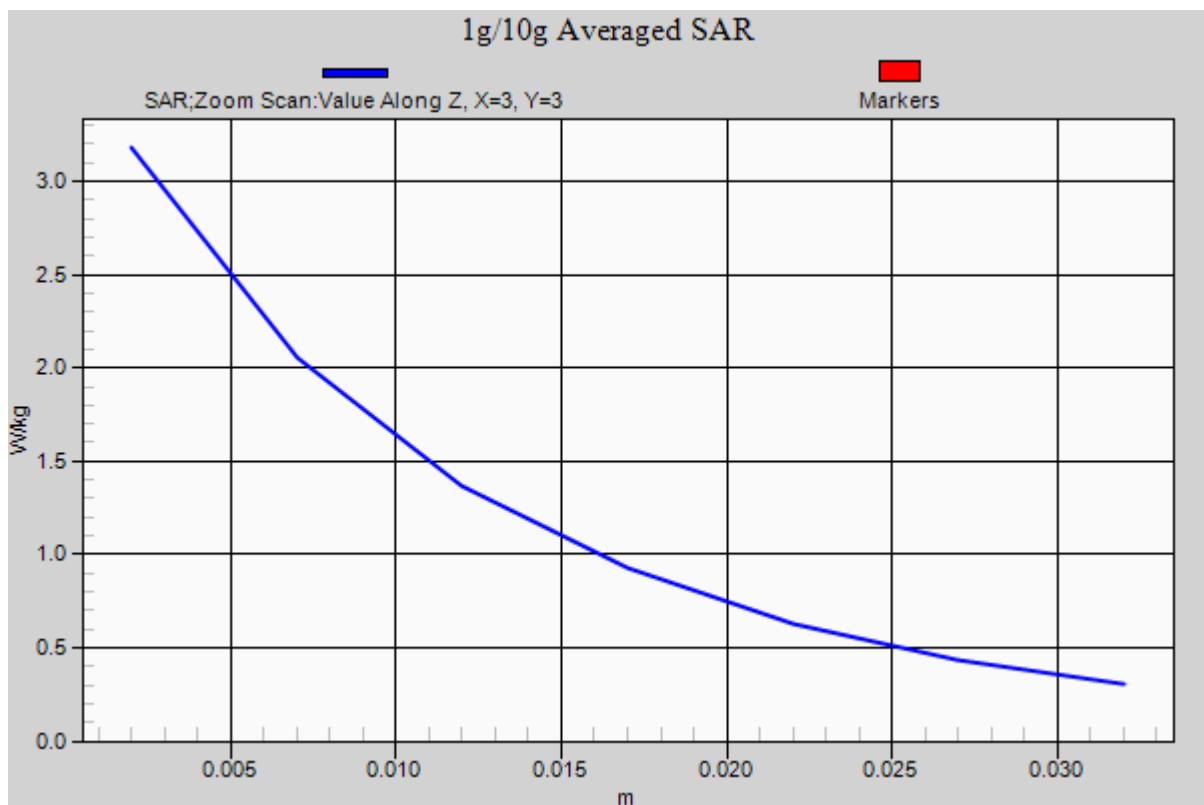
Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.81 W/kg

SAR(1 g) = 2.36 W/kg; SAR(10 g) = 1.56 W/kg



DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 53.536$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-24; Ambient Temp: 21.1; Tissue Temp: 21.6

835 MHz System Verification

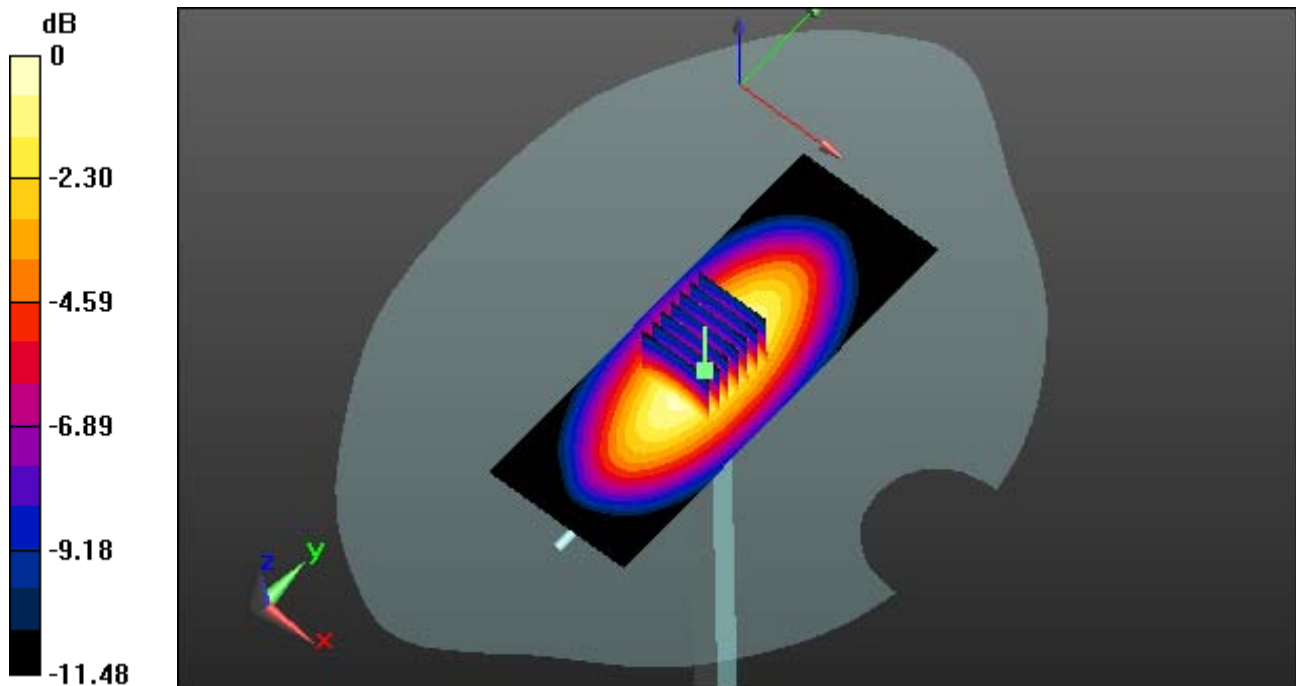
Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.57 W/kg



0 dB = 3.19 W/kg

DT&C Co., Ltd.

DUT: Dipole 835 MHz; Type: D835V2; Serial: D835V2 - SN:464

Communication System: CW (0); Frequency: 835 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 835$ MHz; $\sigma = 0.963$ S/m; $\epsilon_r = 53.536$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt) 2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-24; Ambient Temp: 21.1; Tissue Temp: 21.6

835 MHz System Verification

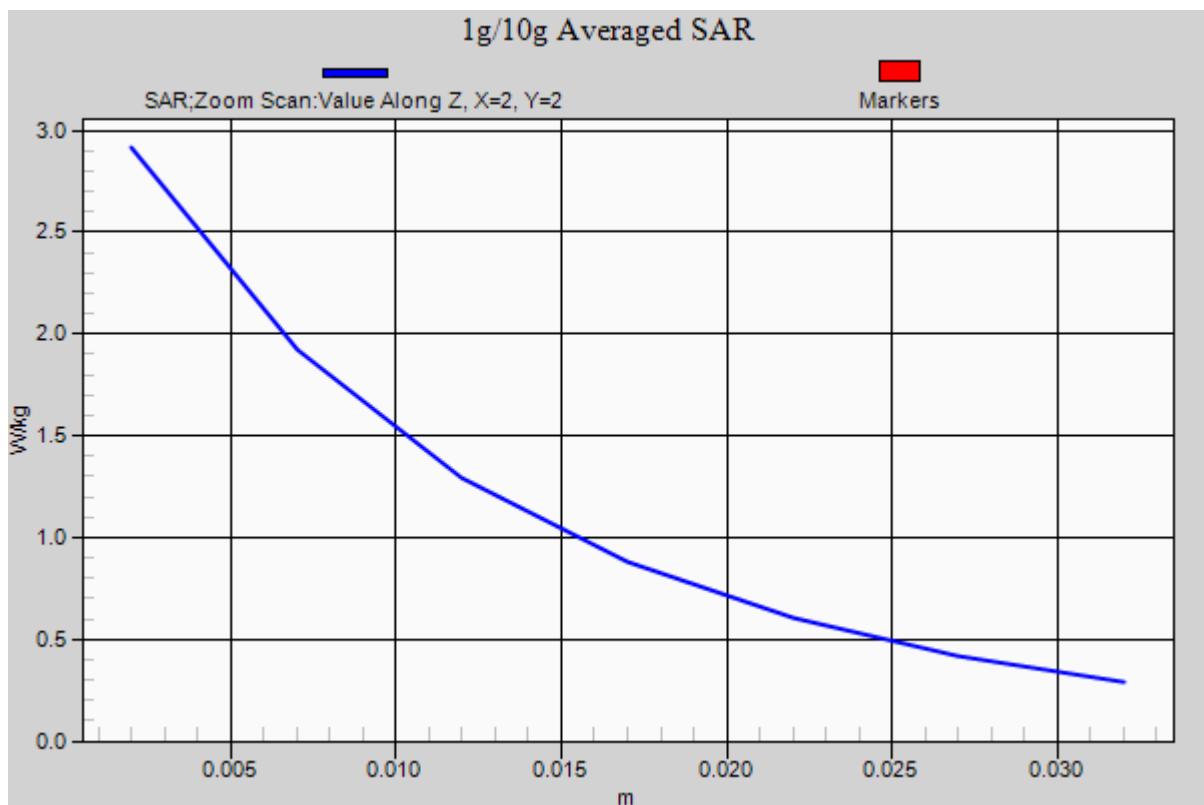
Area Scan (41x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.00 dB

Peak SAR (extrapolated) = 3.82 W/kg

SAR(1 g) = 2.46 W/kg; SAR(10 g) = 1.57 W/kg



DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 53.218$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-25; Ambient Temp: 20.7; Tissue Temp: 21.2

1900 MHz System Verification

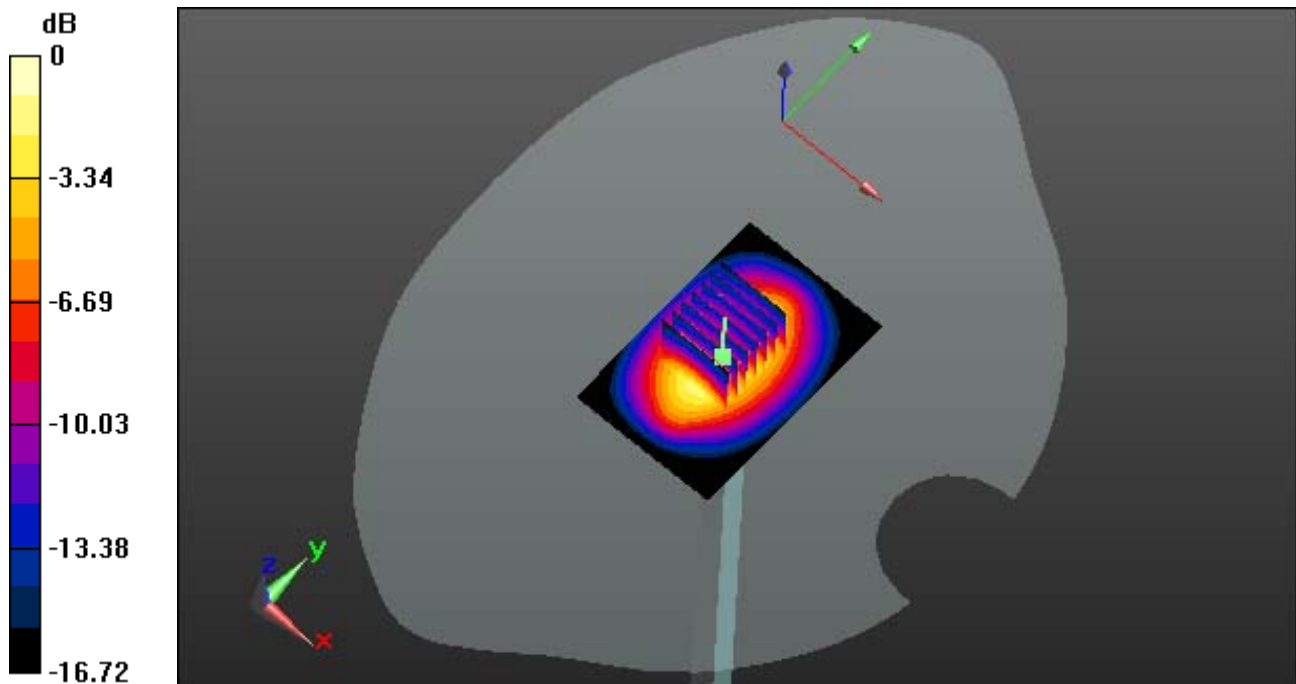
Area Scan (41x61x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 8.92 W/kg; SAR(10 g) = 4.74 W/kg



0 dB = 12.0 W/kg

DT&C Co., Ltd.

DUT: Dipole 1900 MHz; Type: D1900V2; Serial: D1900V2 - SN:5d029

Communication System: CW (0); Frequency: 1900 MHz; Duty Cycle: 1:1

Medium parameters used: $f = 1900$ MHz; $\sigma = 1.509$ S/m; $\epsilon_r = 53.218$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-25; Ambient Temp: 20.7; Tissue Temp: 21.2

1900 MHz System Verification

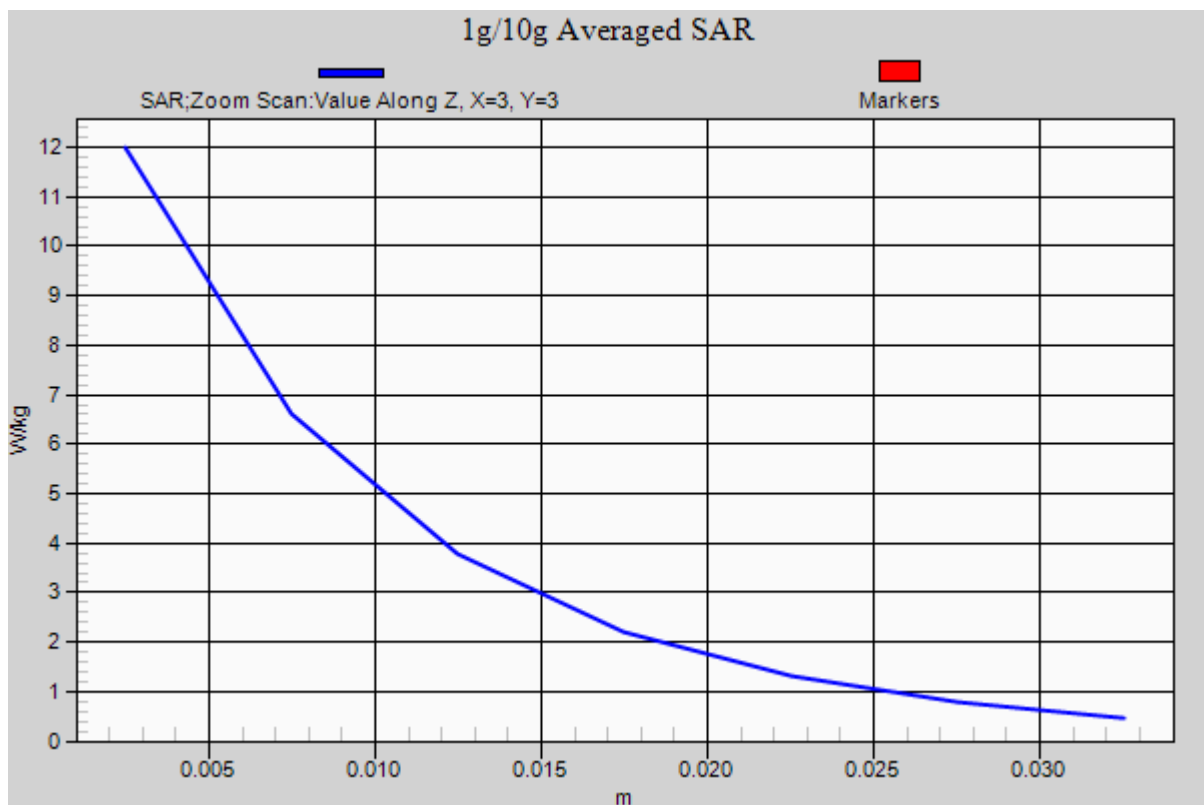
Area Scan (41x61x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 16.4 W/kg

SAR(1 g) = 8.92 W/kg; SAR(10 g) = 4.74 W/kg



DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: GSM 850_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 53.437$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-21; Ambient Temp: 20.9; Tissue Temp: 21.5

1 cm space from Body, Rear, GSM850 GPRS 3Tx Ch. 190, Ant Internal

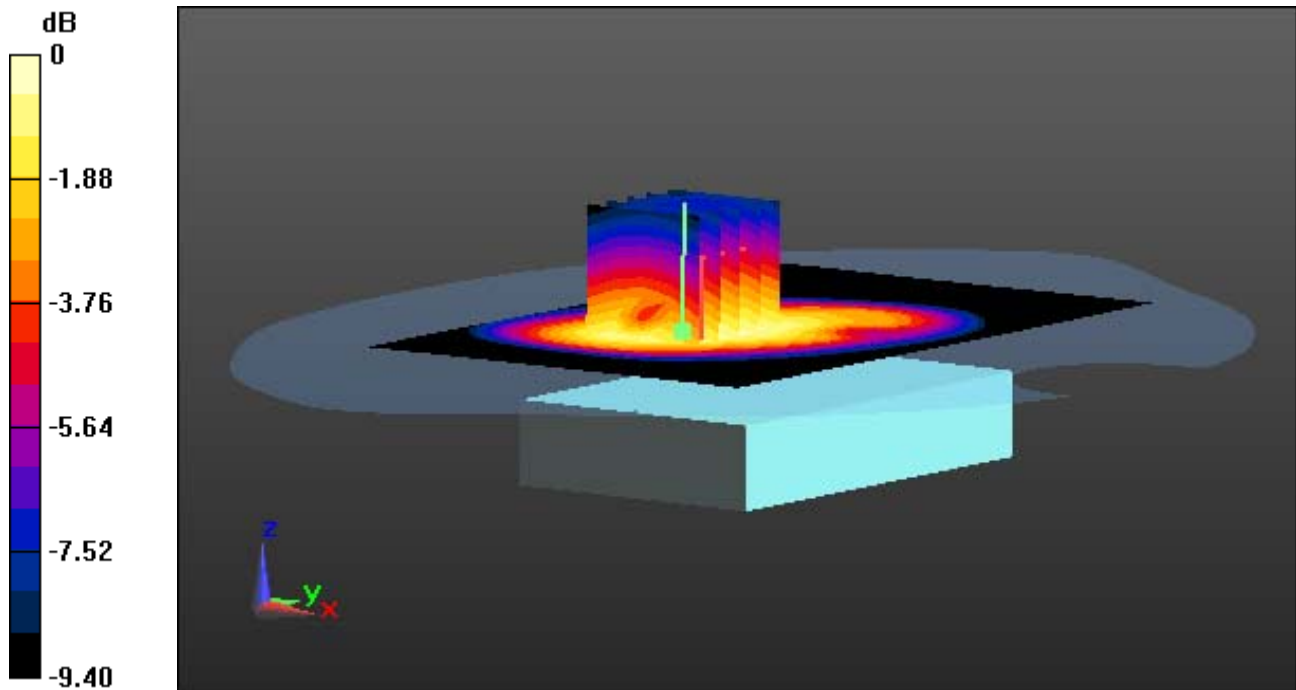
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.828 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.409 W/kg



0 dB = 0.665 W/kg

DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: GSM 850_11 (0); Frequency: 836.6 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 53.437$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-21; Ambient Temp: 20.9; Tissue Temp: 21.5

1 cm space from Body, Rear, GSM850 GPRS 3Tx Ch. 190, Ant Internal

With Enlarge plot image

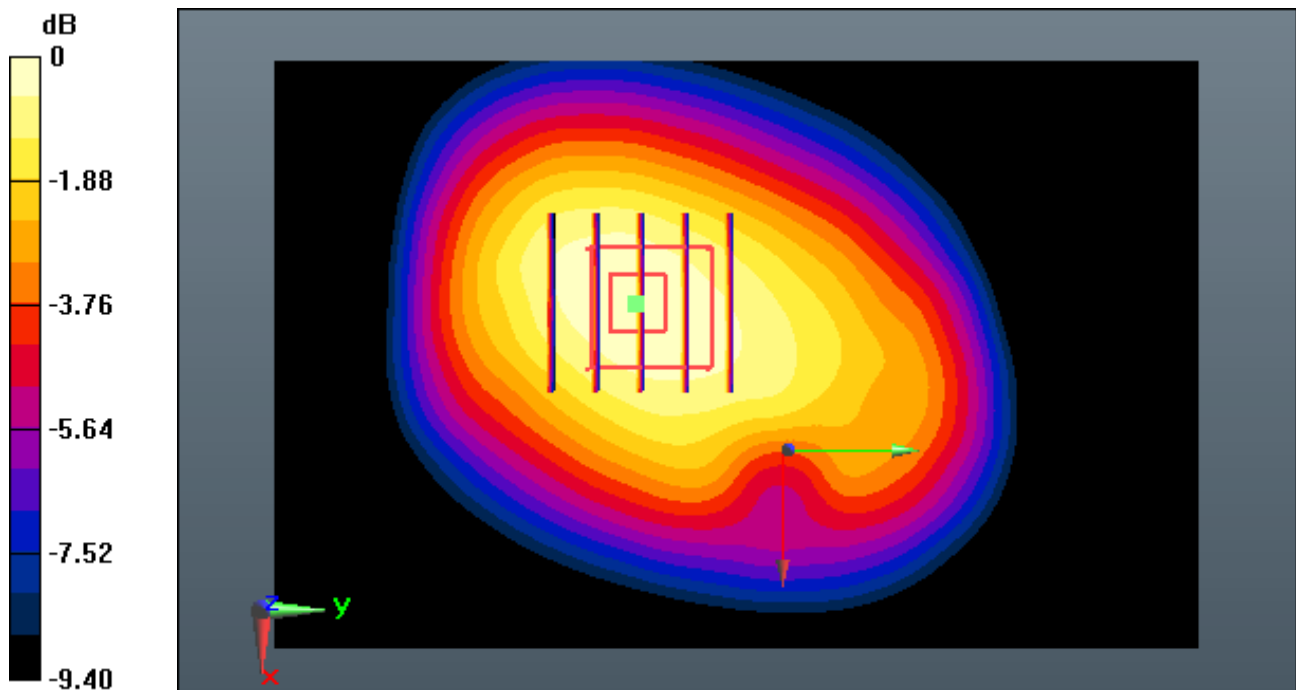
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

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Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.962$ S/m; $\epsilon_r = 53.437$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-21; Ambient Temp: 20.9; Tissue Temp: 21.5

1 cm space from Body, Rear, GSM850 GPRS 3Tx Ch. 190, Ant Internal

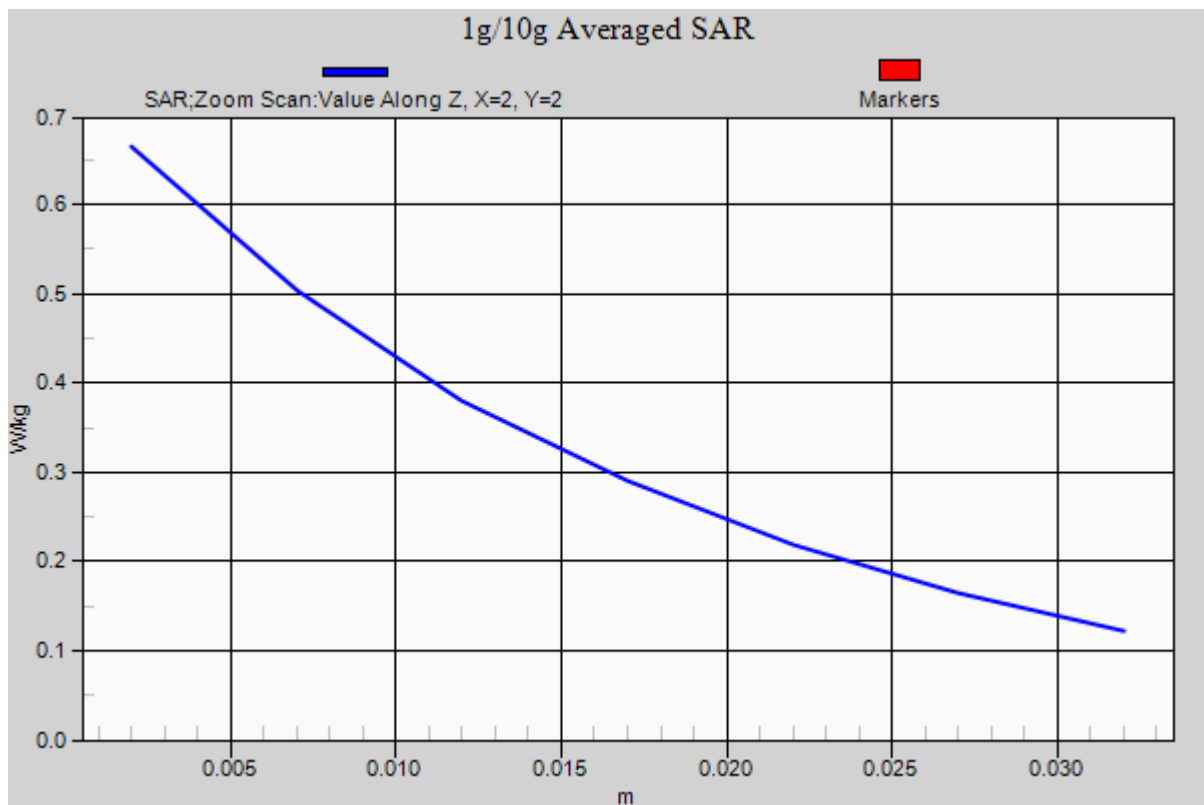
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.828 W/kg

SAR(1 g) = 0.563 W/kg; SAR(10 g) = 0.409 W/kg



DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: PCS1900_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-25; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Front, PCS1900 GPRS 3Tx Ch. 512, Ant Internal

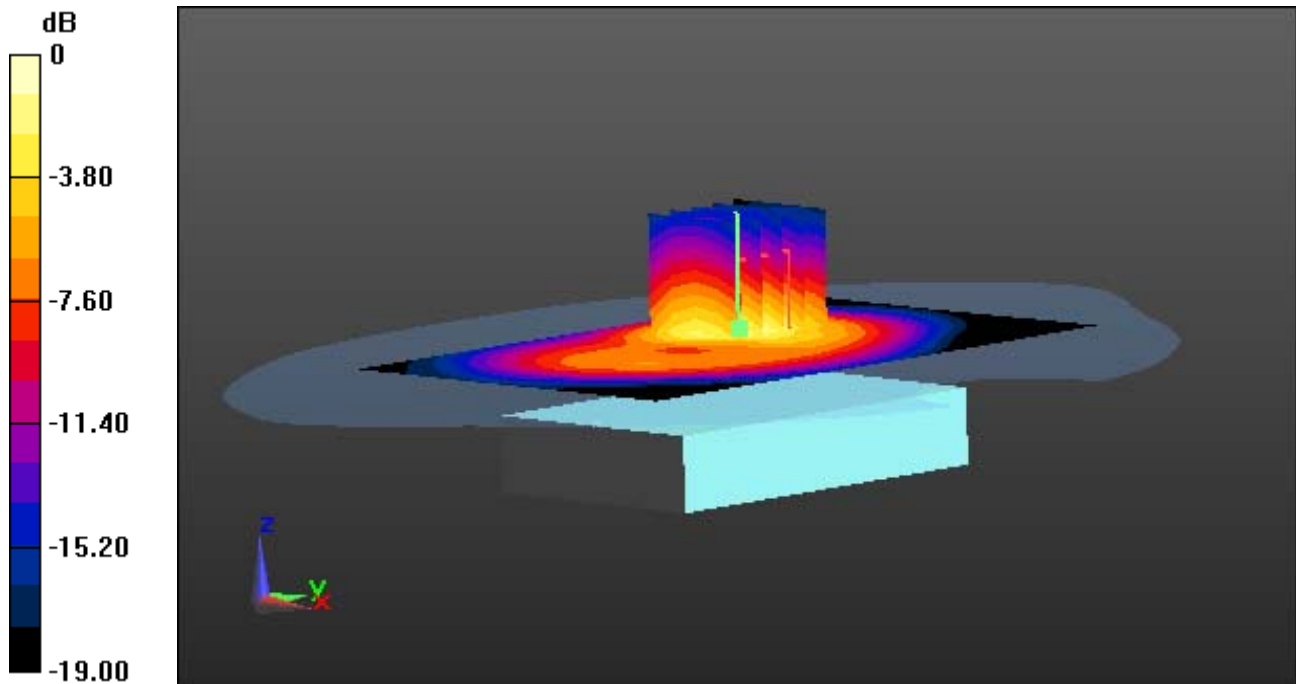
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.435 W/kg



0 dB = 1.15 W/kg

DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: PCS1900_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-25; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Front, PCS1900 GPRS 3Tx Ch. 512, Ant Internal

With Enlarge plot image

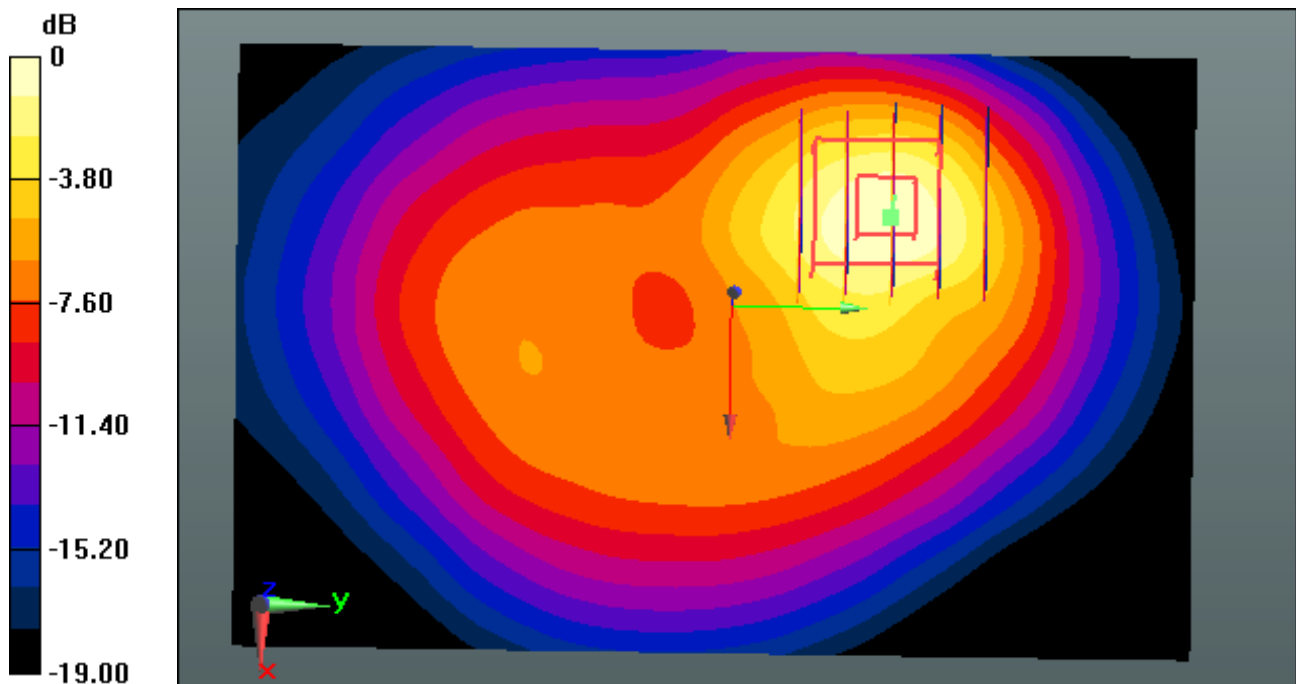
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.435 W/kg



0 dB = 1.15 W/kg

DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: PCS1900_Class 11 (0); Frequency: 1850.2 MHz; Duty Cycle: 1:2.77

Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ S/m; $\epsilon_r = 53.342$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(7.69, 7.69, 7.69); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392

Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782

Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-25; Ambient Temp: 20.7; Tissue Temp: 21.2

1 cm space from Body, Front, PCS1900 GPRS 3Tx Ch. 512, Ant Internal

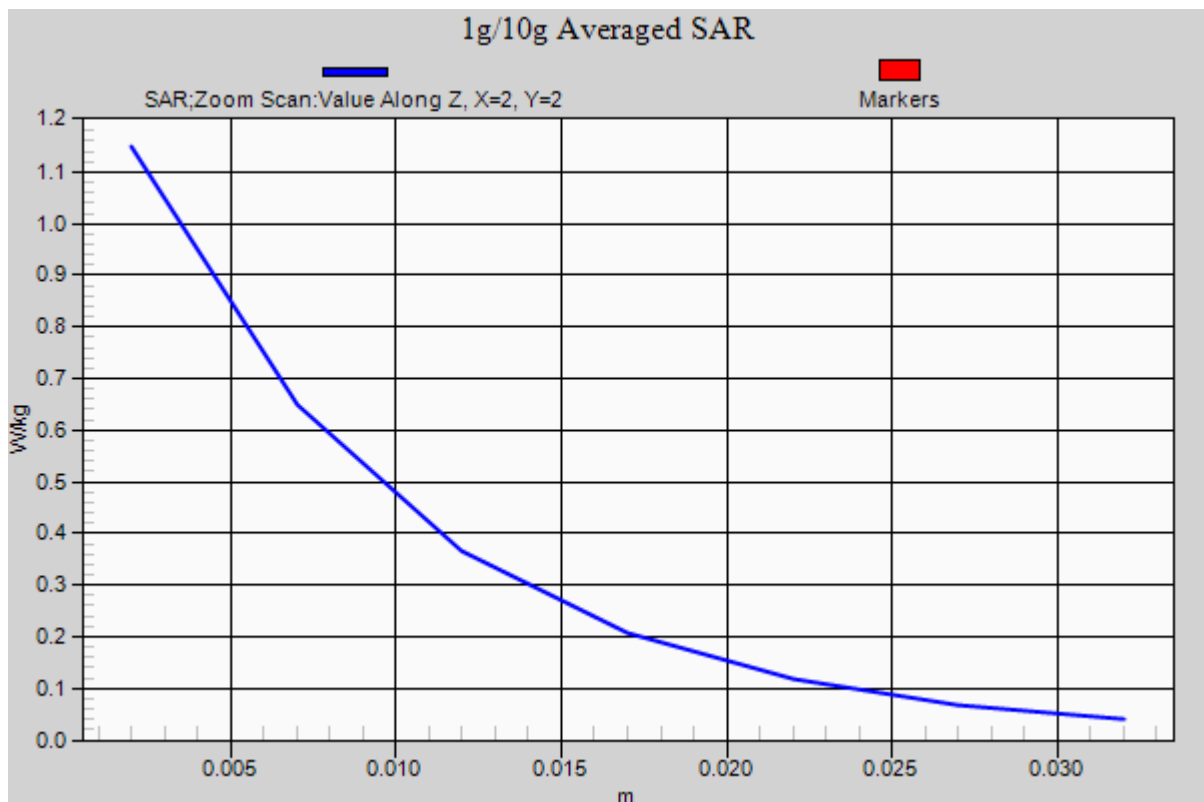
Area Scan (71x111x1): Interpolated grid: dx=15 mm, dy=15 mm

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

Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.45 W/kg

SAR(1 g) = 0.813 W/kg; SAR(10 g) = 0.435 W/kg



DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6 \text{ MHz}$; $\sigma = 0.965 \text{ S/m}$; $\epsilon_r = 53.518$; $\rho = 1000 \text{ kg/m}^3$
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-24; Ambient Temp: 21.1; Tissue Temp: 21.6

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

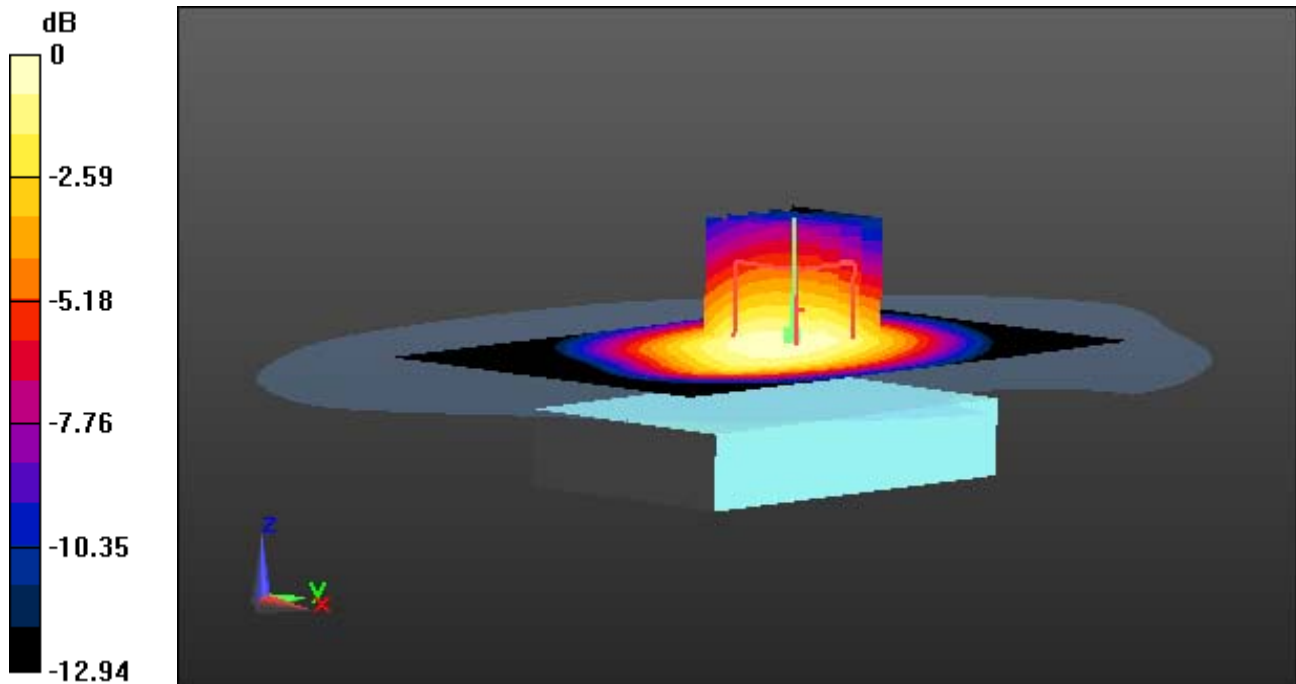
Area Scan (71x111x1): Interpolated grid: $dx=15\text{mm}$, $dy=15\text{mm}$

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.292 W/kg



0 dB = 0.507 W/kg

DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.965$ S/m; $\epsilon_r = 53.518$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt)_2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-24; Ambient Temp: 21.1; Tissue Temp: 21.6

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

With Enlarge plot image

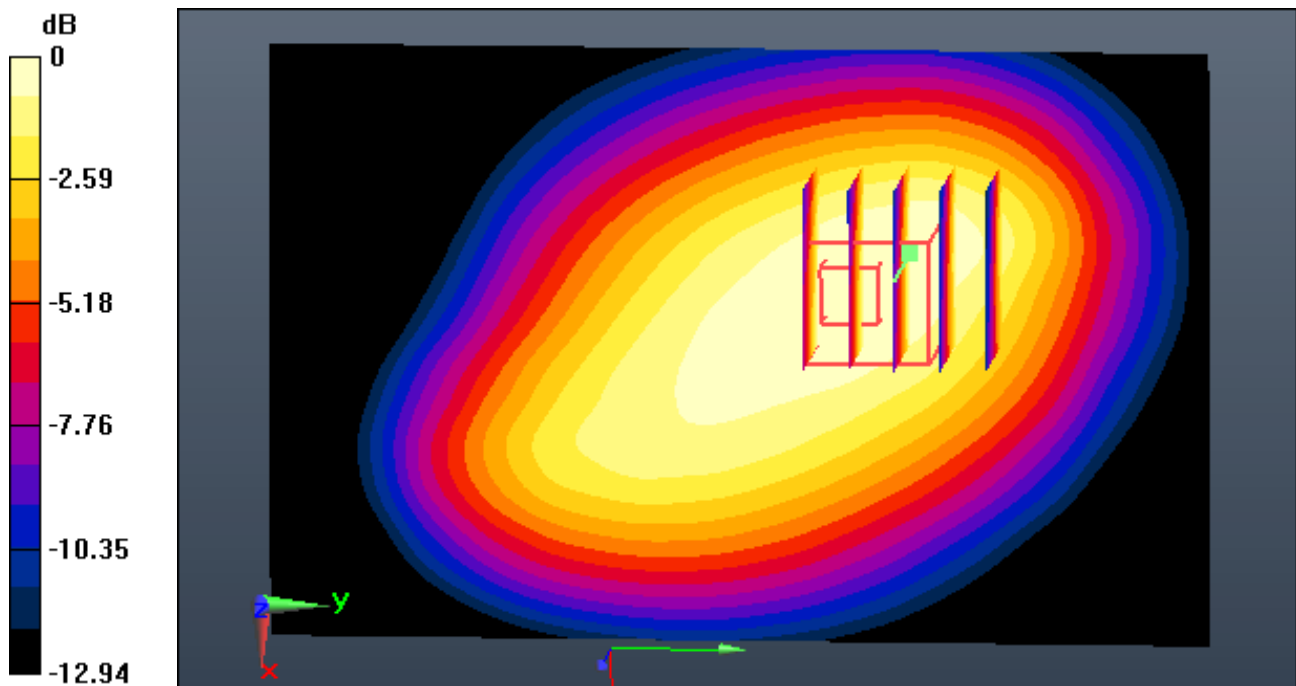
Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.292 W/kg



0 dB = 0.507 W/kg

DT&C Co., Ltd.

DUT: L-01G; Type: CPE

Communication System: WCDMA 850 (0); Frequency: 836.6 MHz; Duty Cycle: 1:1
Medium parameters used: $f = 836.6$ MHz; $\sigma = 0.965$ S/m; $\epsilon_r = 53.518$; $\rho = 1000$ kg/m³
Phantom section: Flat Section

DASY5 Configuration:

Probe: EX3DV4 - SN3916; ConvF(9.94, 9.94, 9.94); Calibrated: 4/24/2014; Electronics: DAE4 Sn1392
Phantom: SAM-twin middle(20deg probe tilt) 2013_09_24; Type: QD000P40CD; Serial: 1782
Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

Test Date: 2014-11-24; Ambient Temp: 21.1; Tissue Temp: 21.6

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

Area Scan (71x111x1): Interpolated grid: dx=15mm, dy=15mm

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

Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.420 W/kg; SAR(10 g) = 0.292 W/kg

