



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#13 GSM850_GPRS10_Horizontal Up_0.5cm_Ch189

DUT: 210502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r =$

54.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.749 mW/g

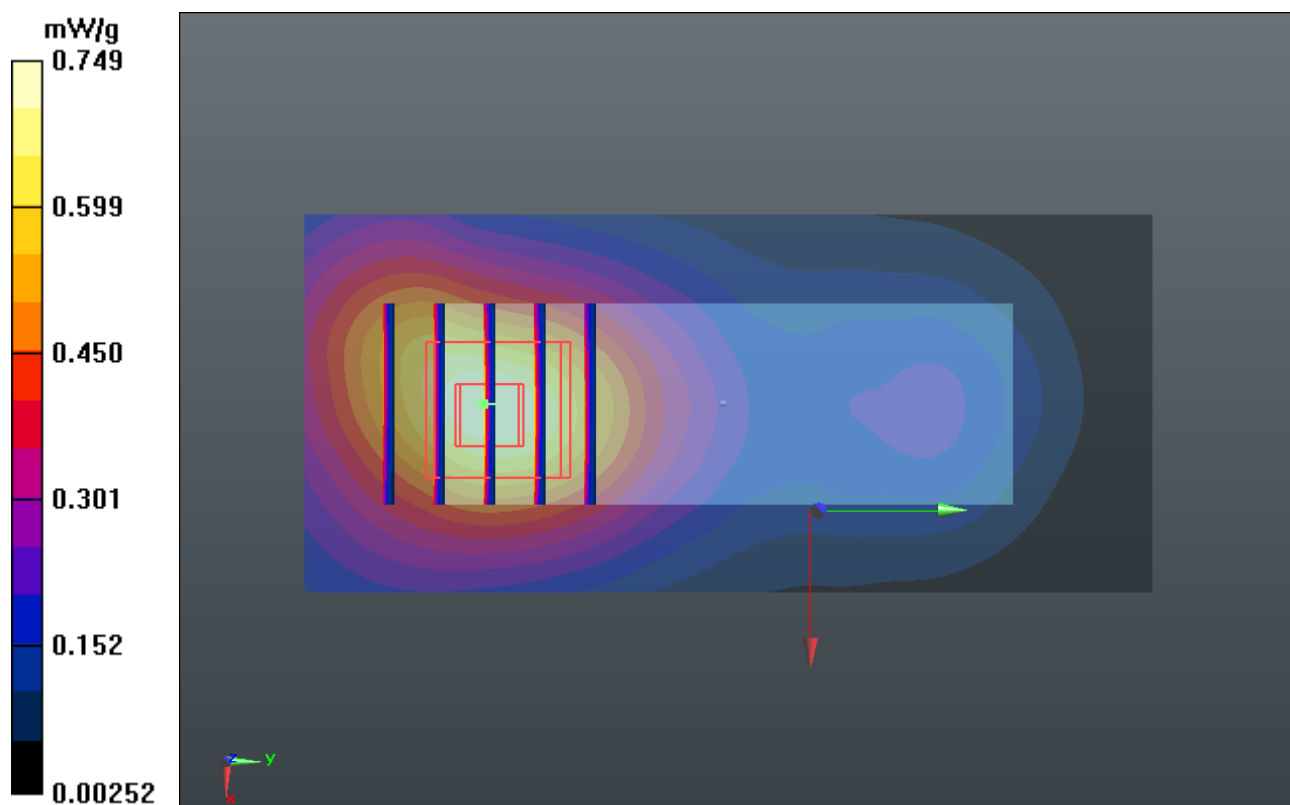
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.634 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.008 W/kg

SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.717 mW/g



#13 GSM850_GPRS10_Horizontal Up_0.5cm_Ch189_2D

DUT: 210502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r =$

54.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.749 mW/g

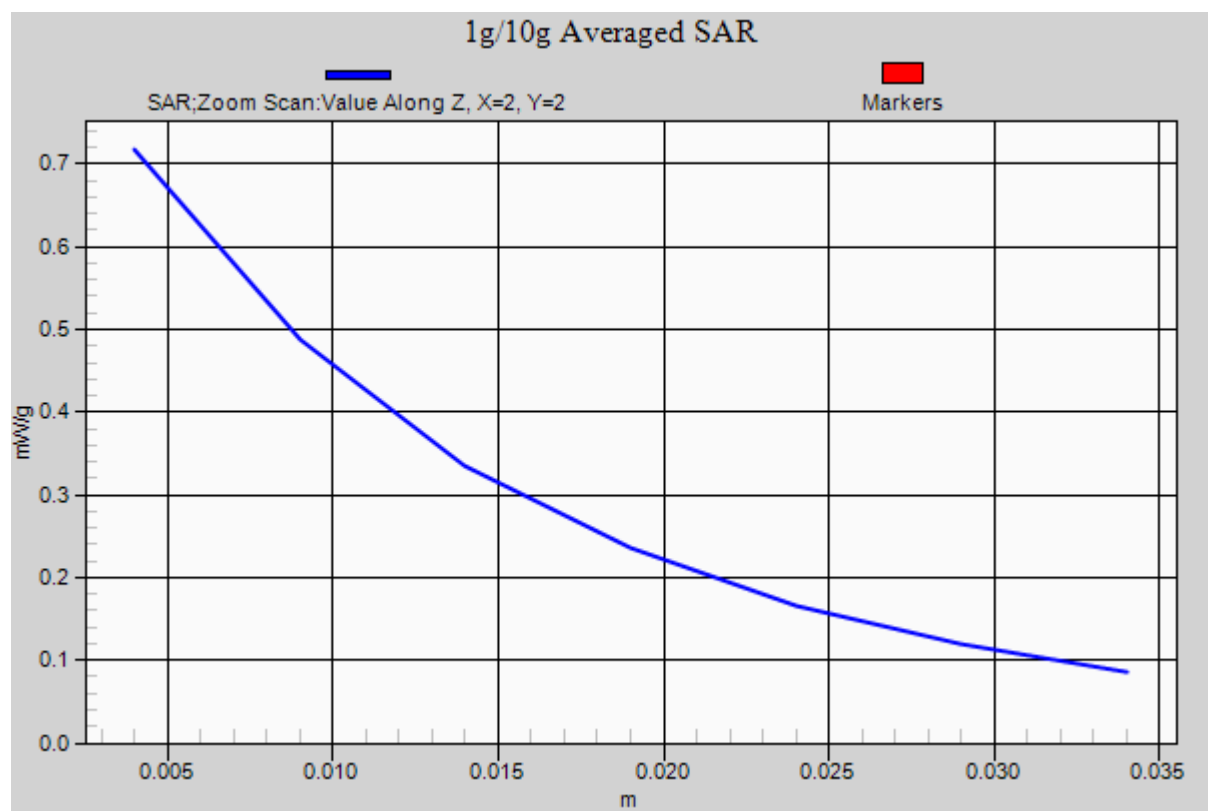
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.634 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.008 W/kg

SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.438 mW/g

Maximum value of SAR (measured) = 0.717 mW/g



#14 GSM850_GPRS10_Horizontal Down_0.5cm_Ch189

DUT: 210502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r =$

54.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.727 mW/g

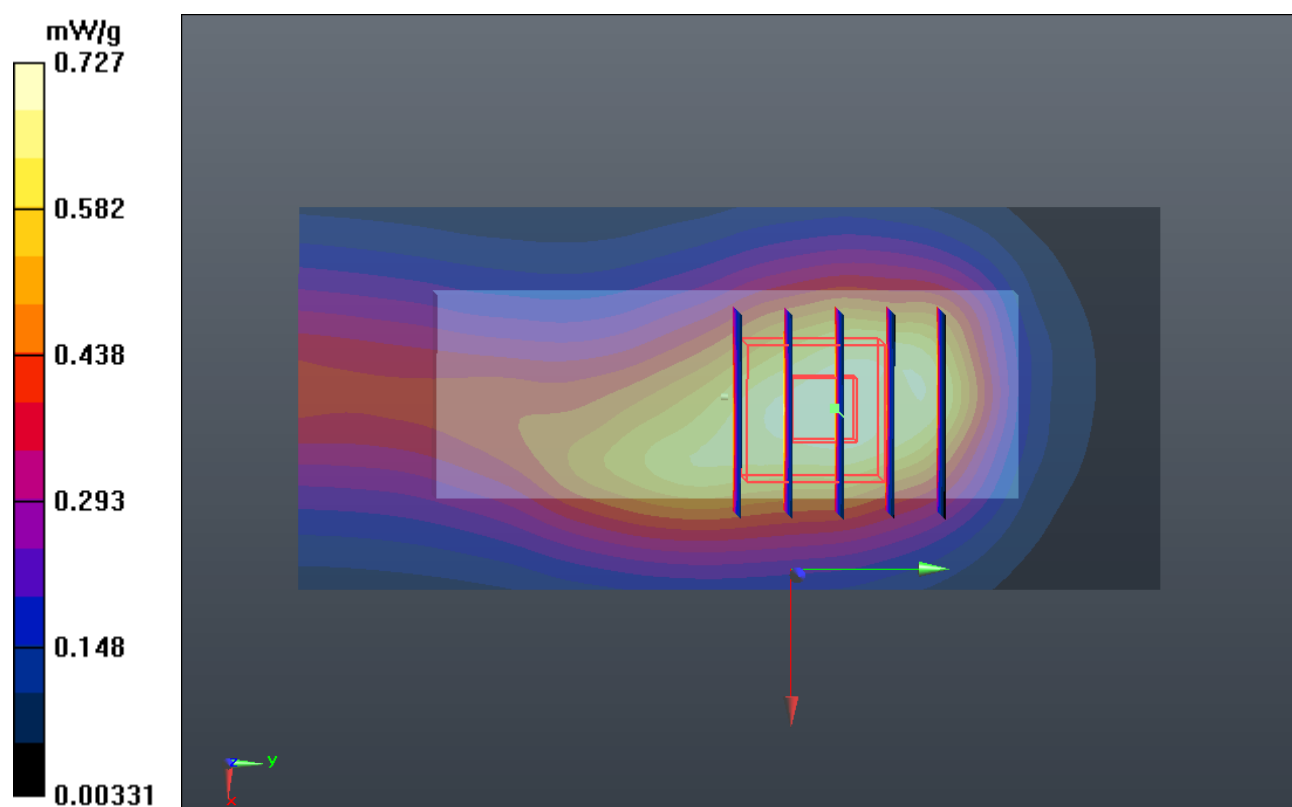
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.322 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.899 W/kg

SAR(1 g) = 0.623 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 0.666 mW/g



#15 GSM850_GPRS10_Veritical Front_0.5cm_Ch189

DUT: 210502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4
Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r = 54.371$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

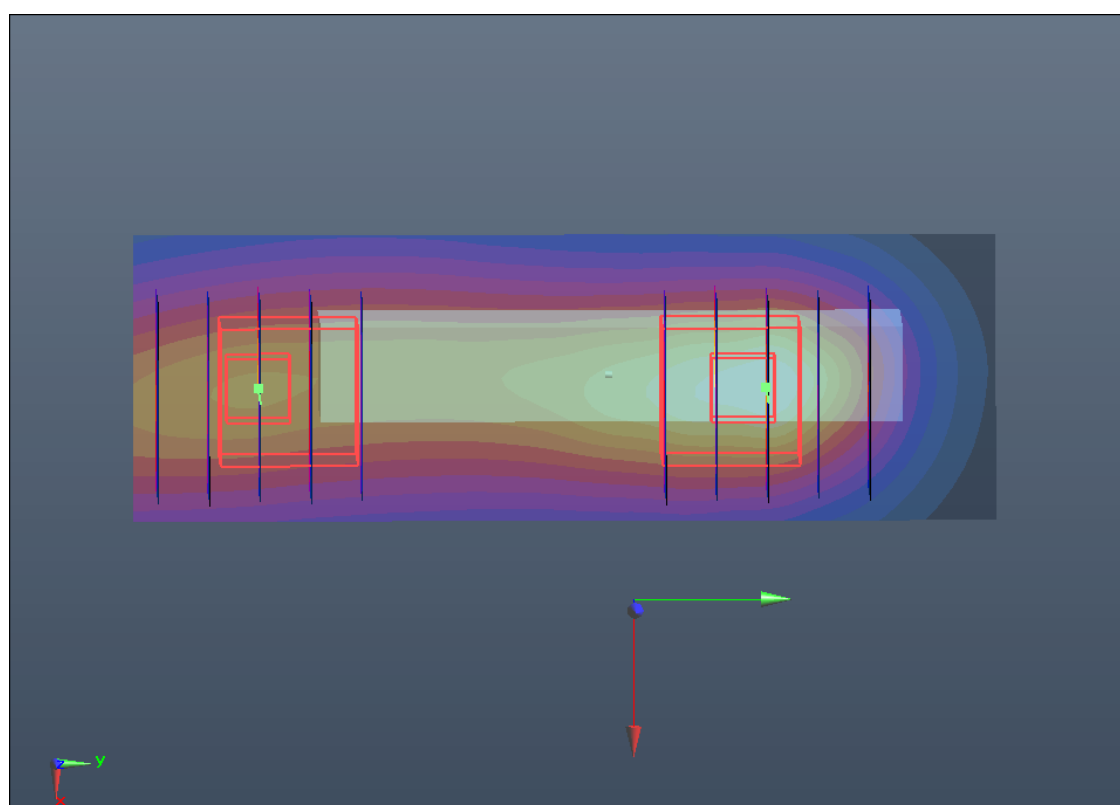
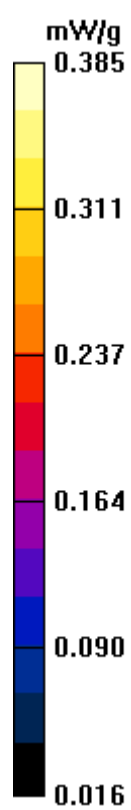
DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.385 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.456 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.531 W/kg
SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.209 mW/g
Maximum value of SAR (measured) = 0.363 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.456 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 0.380 W/kg
SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.284 mW/g



#16 GSM850_GPRS10_Vertical Back_0.5cm_Ch189

DUT: 210502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r =$

54.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.520 mW/g

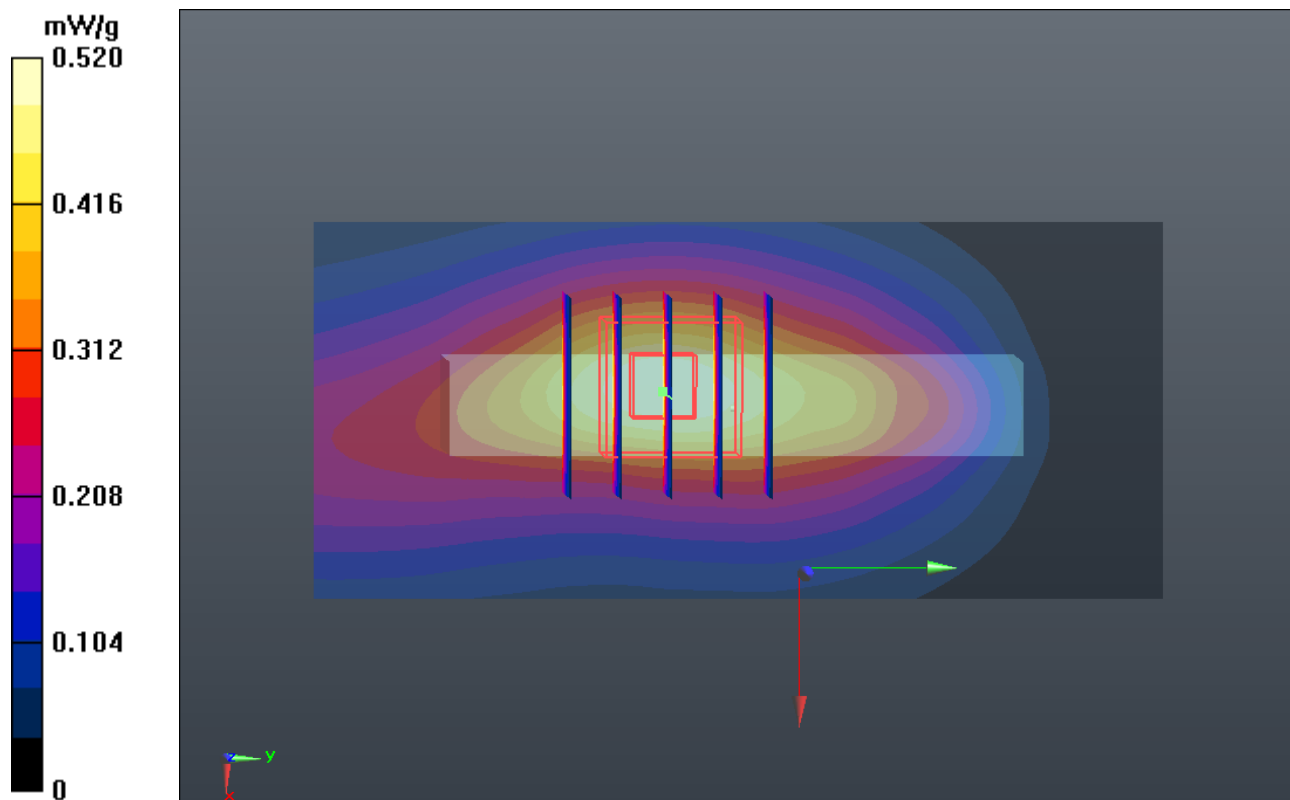
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.763 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.753 W/kg

SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 0.540 mW/g



#17 GSM850_GPRS10_Tip Mode_0.5cm_Ch189

DUT: 210502

Communication System: GPRS/EDGE 10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r =$

54.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (41x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.091 mW/g

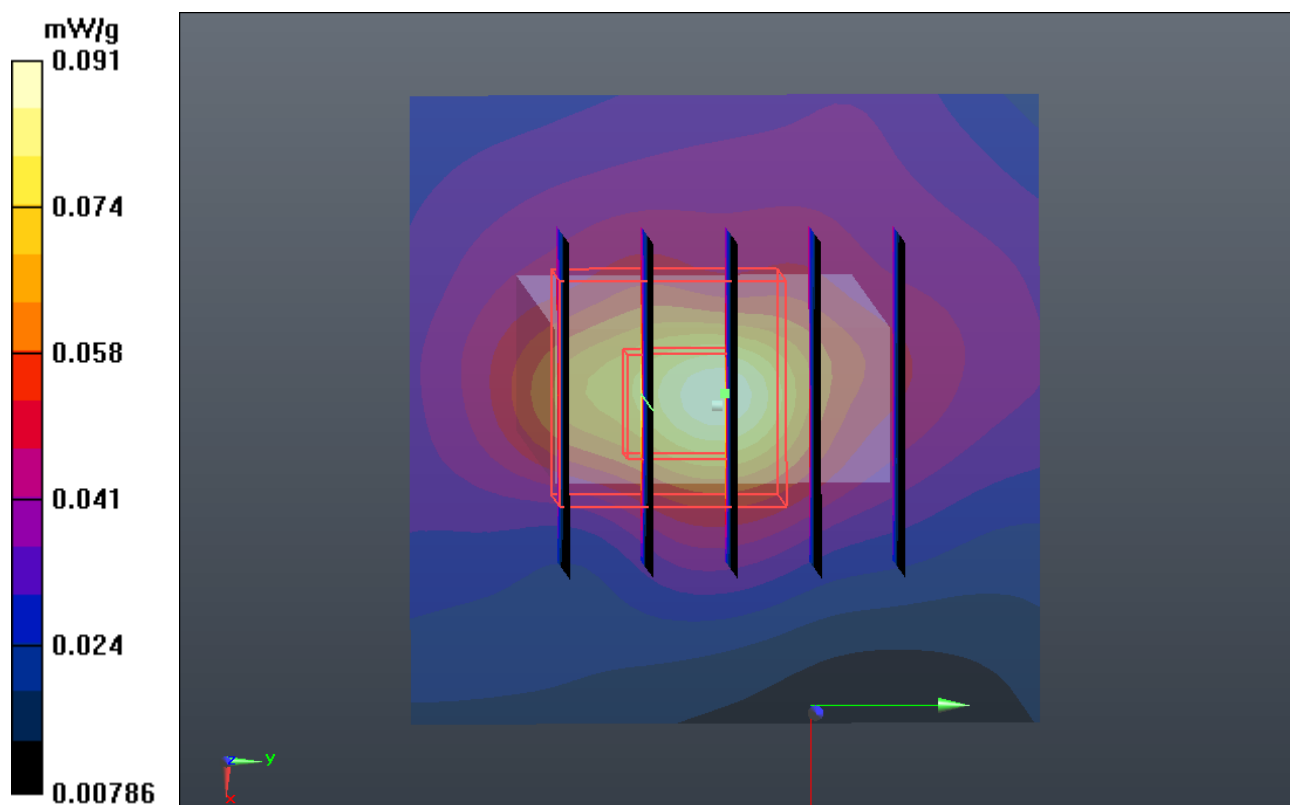
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.447 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.167 W/kg

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.092 mW/g



#01 GSM1900_GPRS12_Horizontal Up_0.5cm_Ch512

DUT: 210502

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL_1900_120215 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r =$

54.682; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.600 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.343 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.820 W/kg

SAR(1 g) = 0.477 mW/g; SAR(10 g) = 0.289 mW/g

Maximum value of SAR (measured) = 0.512 mW/g

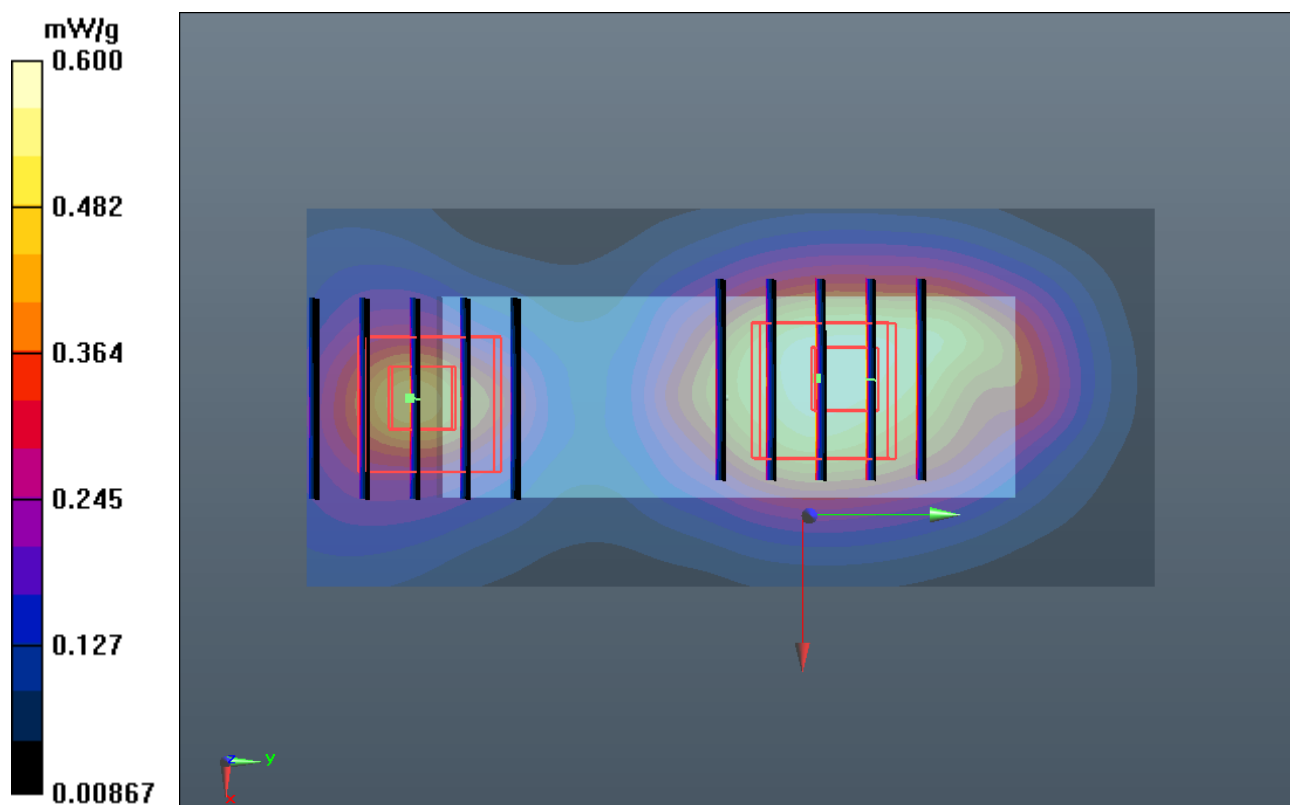
Ch512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.343 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.780 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.466 mW/g



#02 GSM1900_GPRS12_Horizontal Down_0.5cm_Ch512

DUT: 210502

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL_1900_120215 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r =$

54.682; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.495 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.623 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.693 W/kg

SAR(1 g) = 0.467 mW/g; SAR(10 g) = 0.291 mW/g

Maximum value of SAR (measured) = 0.492 mW/g

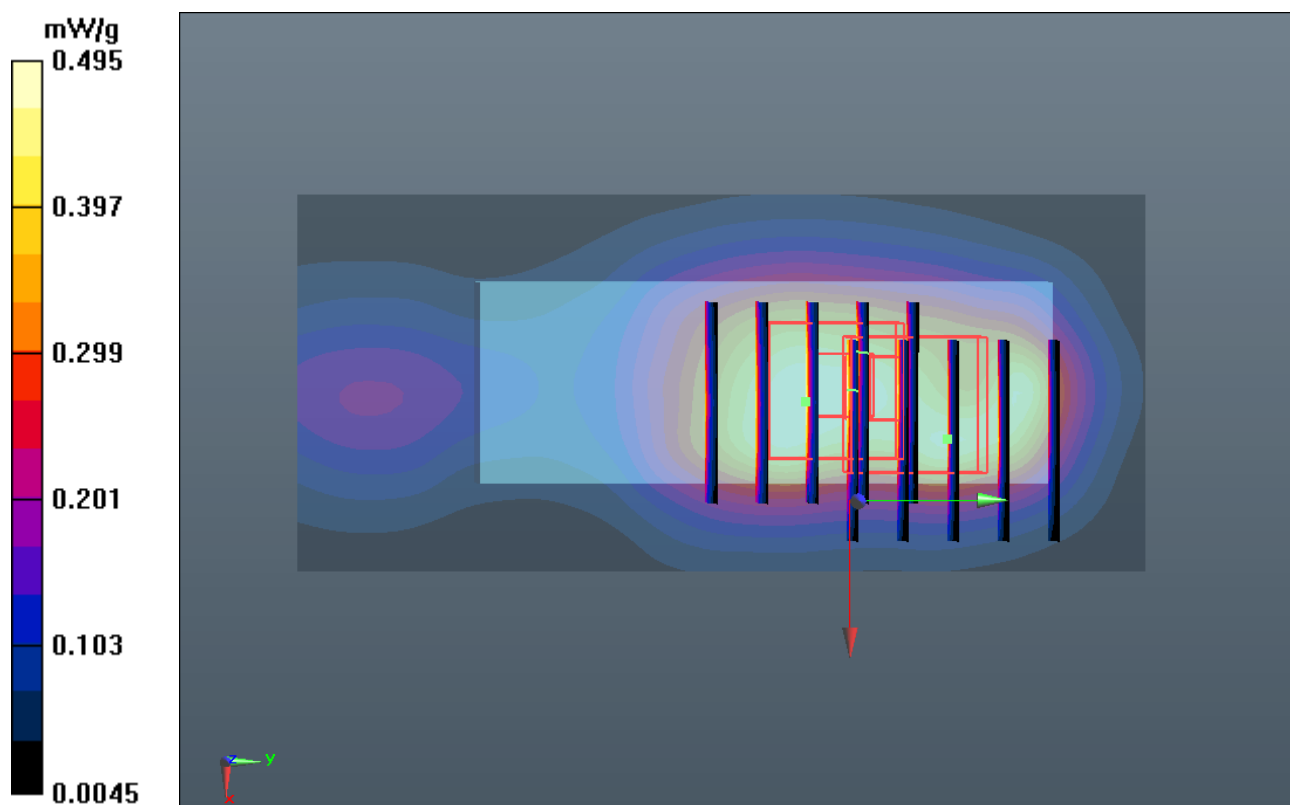
Ch512/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.623 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.791 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.527 mW/g



#03 GSM1900_GPRS12_Veritical Front_0.5cm_Ch512

DUT: 210502

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL_1900_120215 Medium parameters used: $f = 1850.2 \text{ MHz}$; $\sigma = 1.472 \text{ mho/m}$; $\epsilon_r =$

54.682 ; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.4 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (31x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.743 mW/g

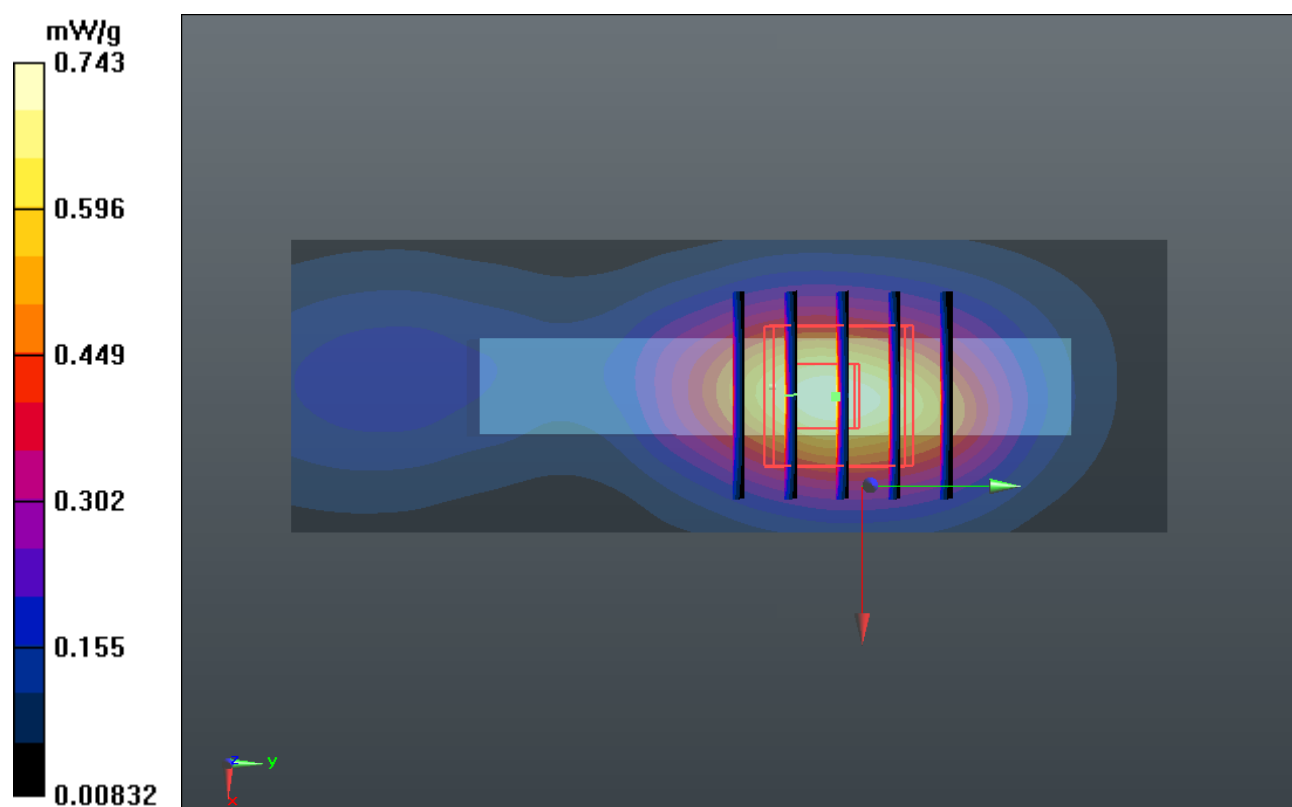
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 21.356 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.053 W/kg

SAR(1 g) = 0.656 mW/g ; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.710 mW/g



#03 GSM1900_GPRS12_Veritical Front_0.5cm_Ch512_2D

DUT: 210502

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL_1900_120215 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r =$

54.682; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.743 mW/g

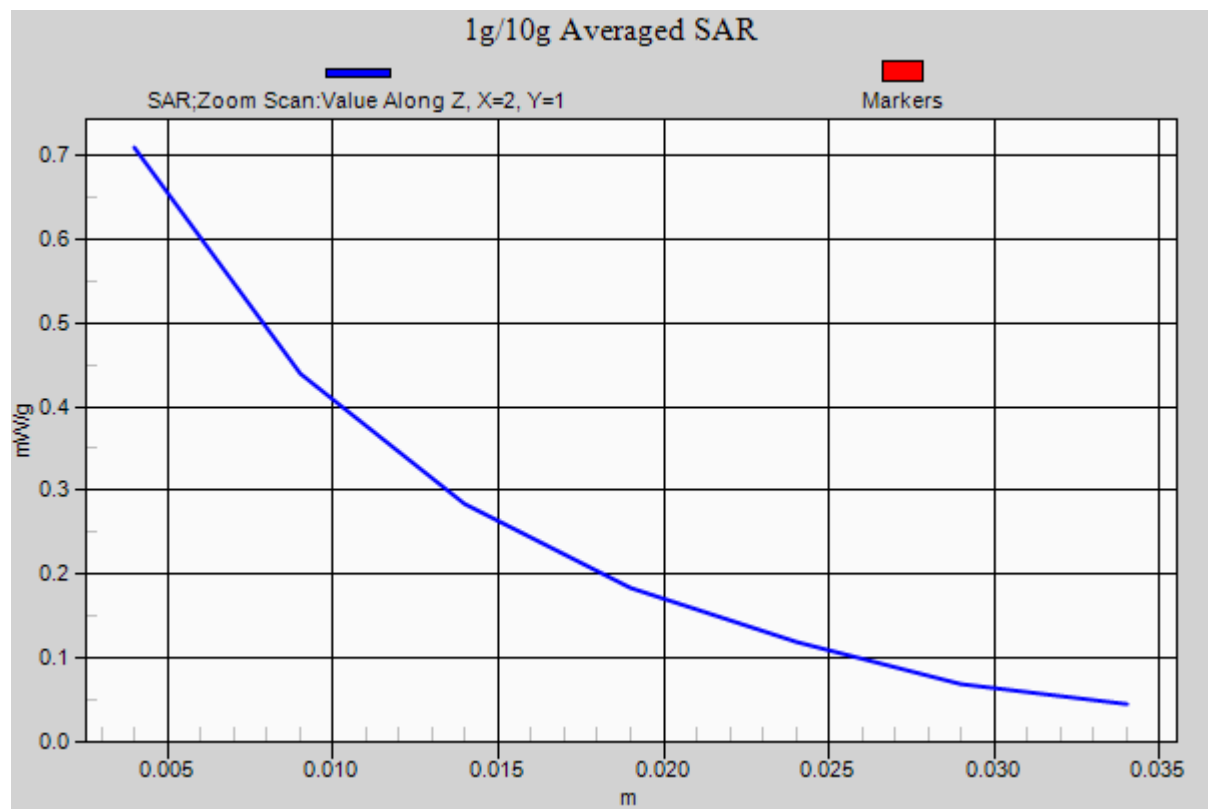
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.356 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.053 W/kg

SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.385 mW/g

Maximum value of SAR (measured) = 0.710 mW/g



#04 GSM1900_GPRS12_Veritical Back_0.5cm_Ch512

DUT: 210502

Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL_1900_120215 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r =$

54.682 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.243 mW/g

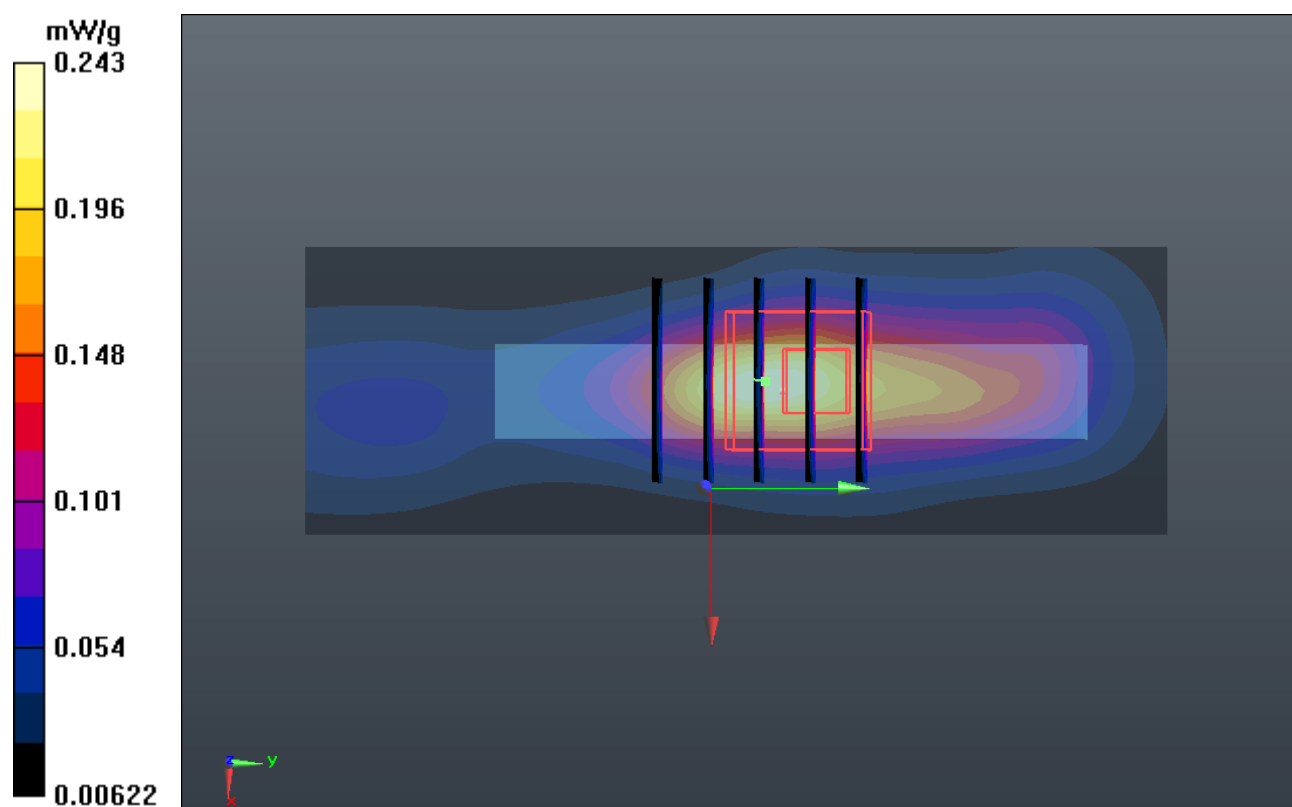
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.335 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.217 mW/g



#05 GSM1900_GPRS12_Tip Mode_0.5cm_Ch512

DUT: 210502

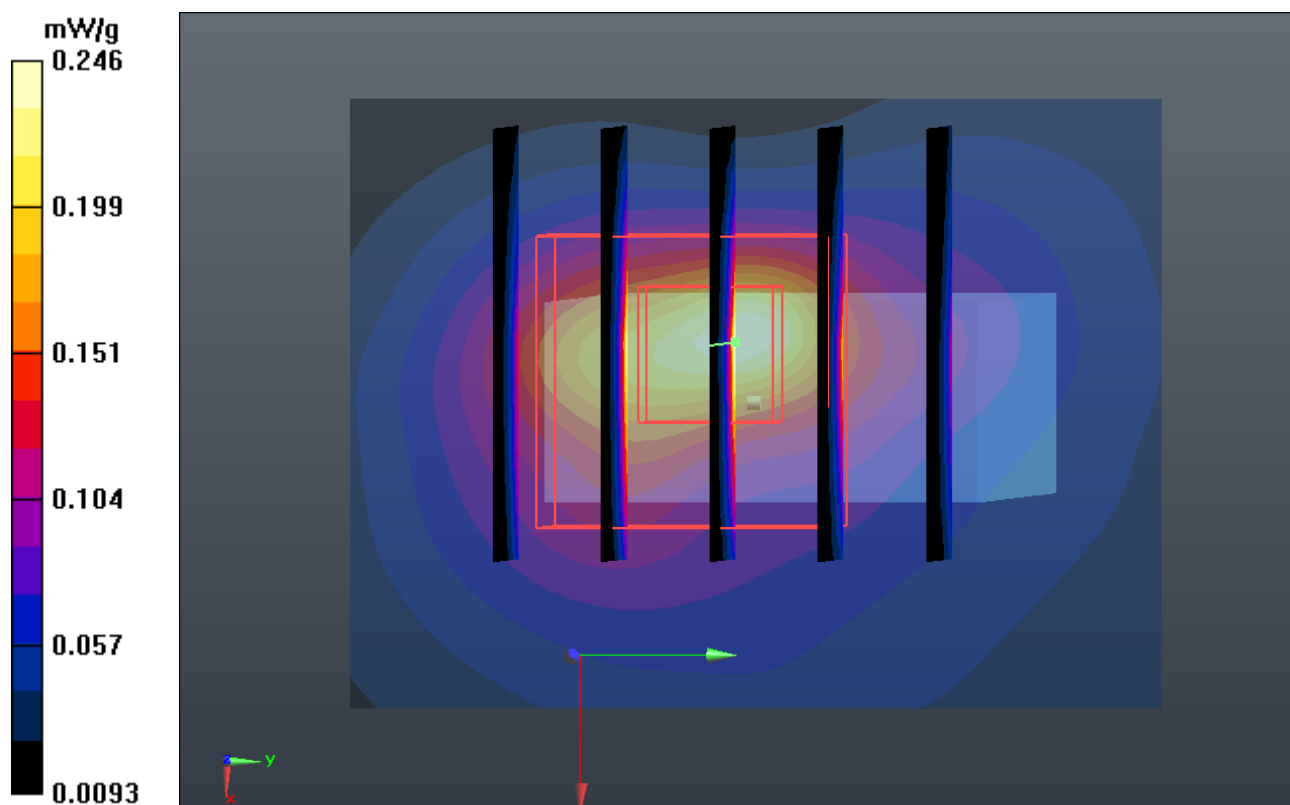
Communication System: GPRS/EDGE 12; Frequency: 1850.2 MHz; Duty Cycle: 1:2
Medium: MSL_1900_120215 Medium parameters used (interpolated): $f = 1850.2$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r = 54.682$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.246 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.213 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.444 W/kg
SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.107 mW/g
Maximum value of SAR (measured) = 0.280 mW/g



#24 WCDMA V_RMC12.2_Horizontal Up_0.5cm_Ch4233

DUT: 210502

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.285$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.165 mW/g

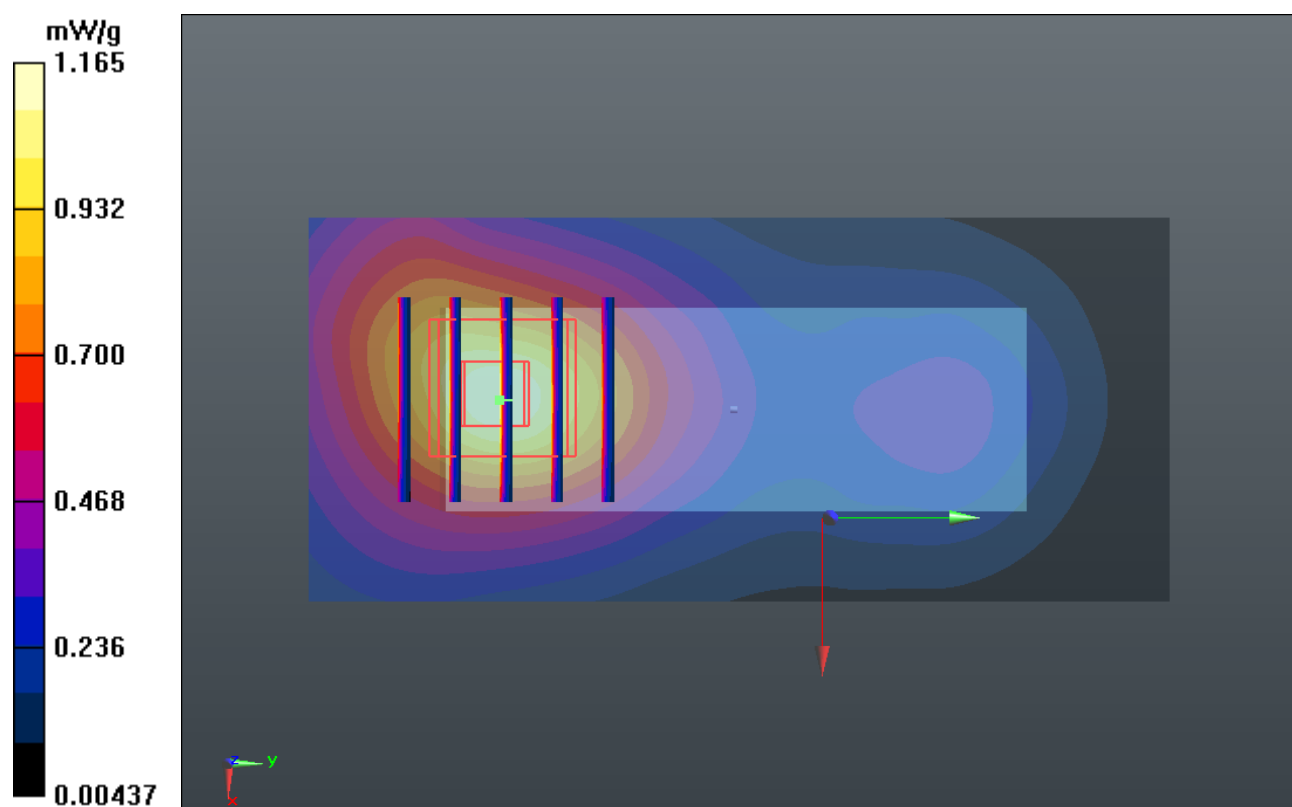
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.822 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.568 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.661 mW/g

Maximum value of SAR (measured) = 1.103 mW/g



#24 WCDMA V_RMC12.2_Horizontal Up_0.5cm_Ch4233_2D

DUT: 210502

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.285$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.165 mW/g

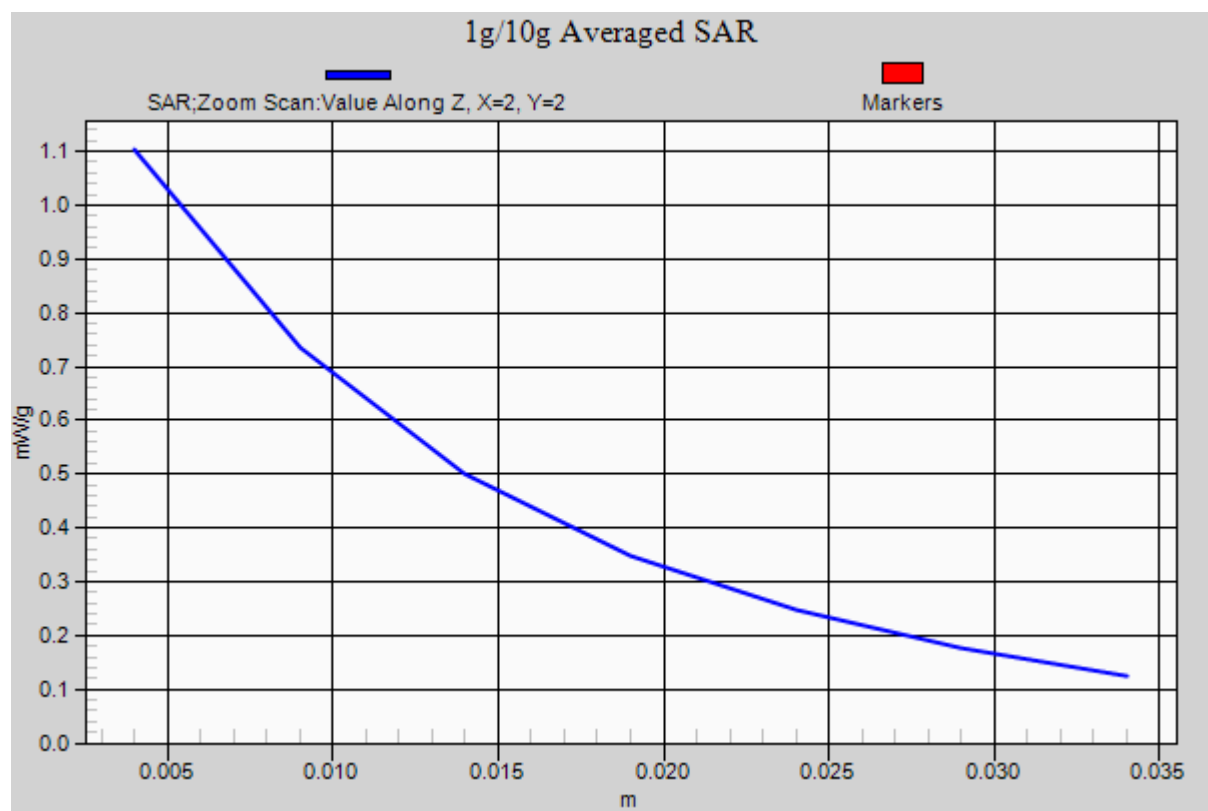
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.822 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.568 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.661 mW/g

Maximum value of SAR (measured) = 1.103 mW/g



#25 WCDMA V_RMC12.2_Horizontal Down_0.5cm_Ch4233

DUT: 210502

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.285$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.941 mW/g

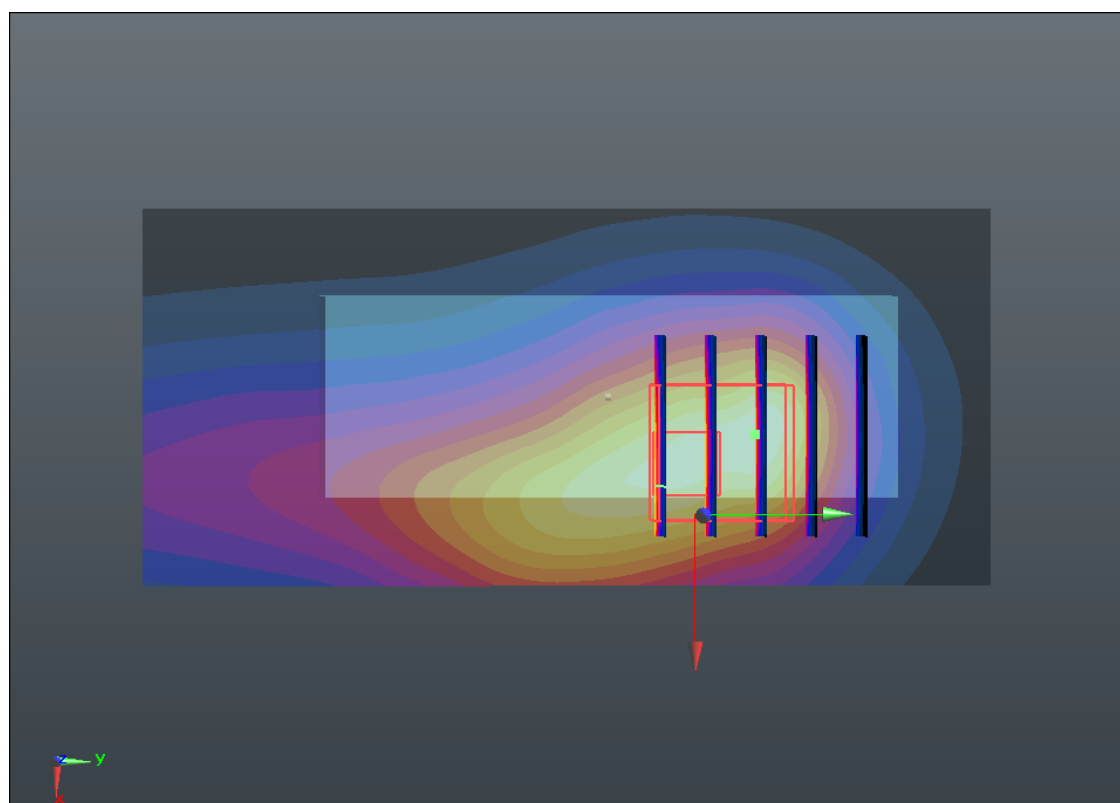
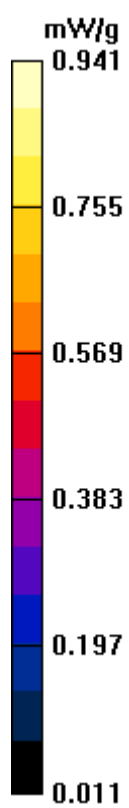
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.125 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.145 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 0.865 mW/g



#26 WCDMA V_RMC12.2_Veritical Front_0.5cm_Ch4233

DUT: 210502

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.285$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.612 mW/g

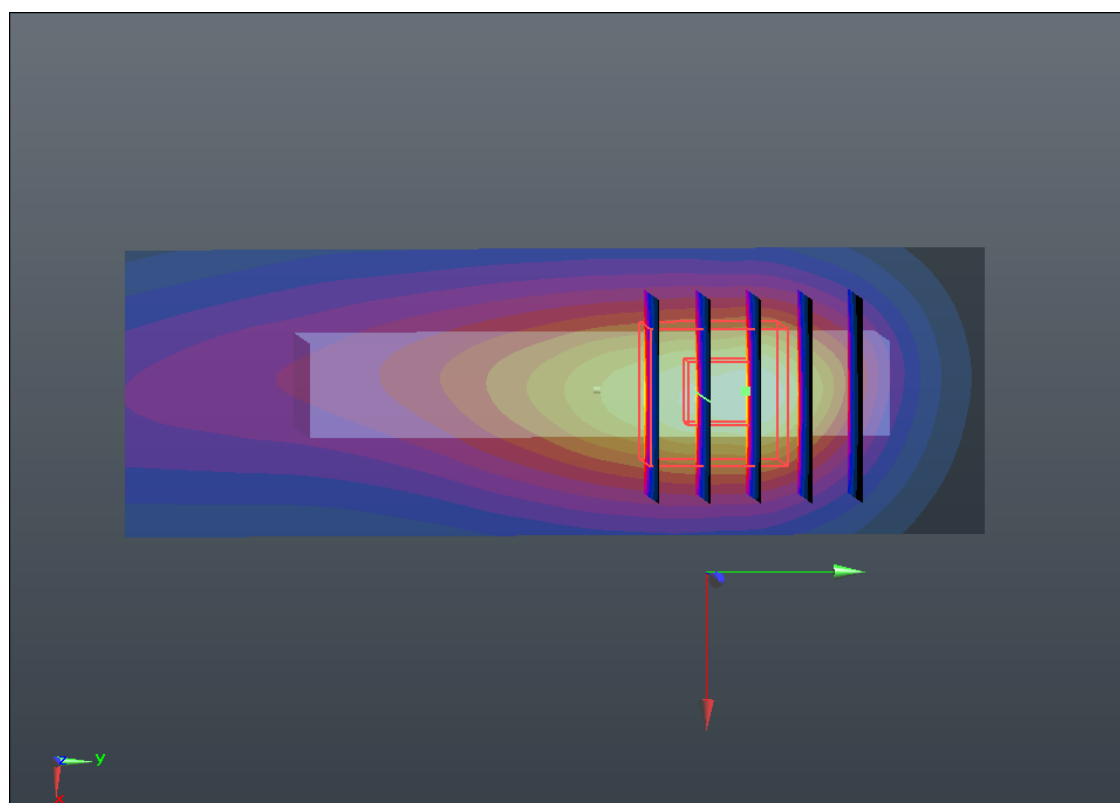
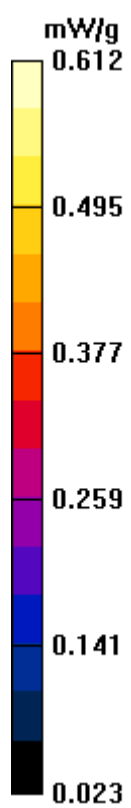
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.555 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.833 W/kg

SAR(1 g) = 0.519 mW/g; SAR(10 g) = 0.328 mW/g

Maximum value of SAR (measured) = 0.567 mW/g



#27 WCDMA V_RMC12.2_Vertical Back_0.5cm_Ch4233

DUT: 210502

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.285$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.715 mW/g

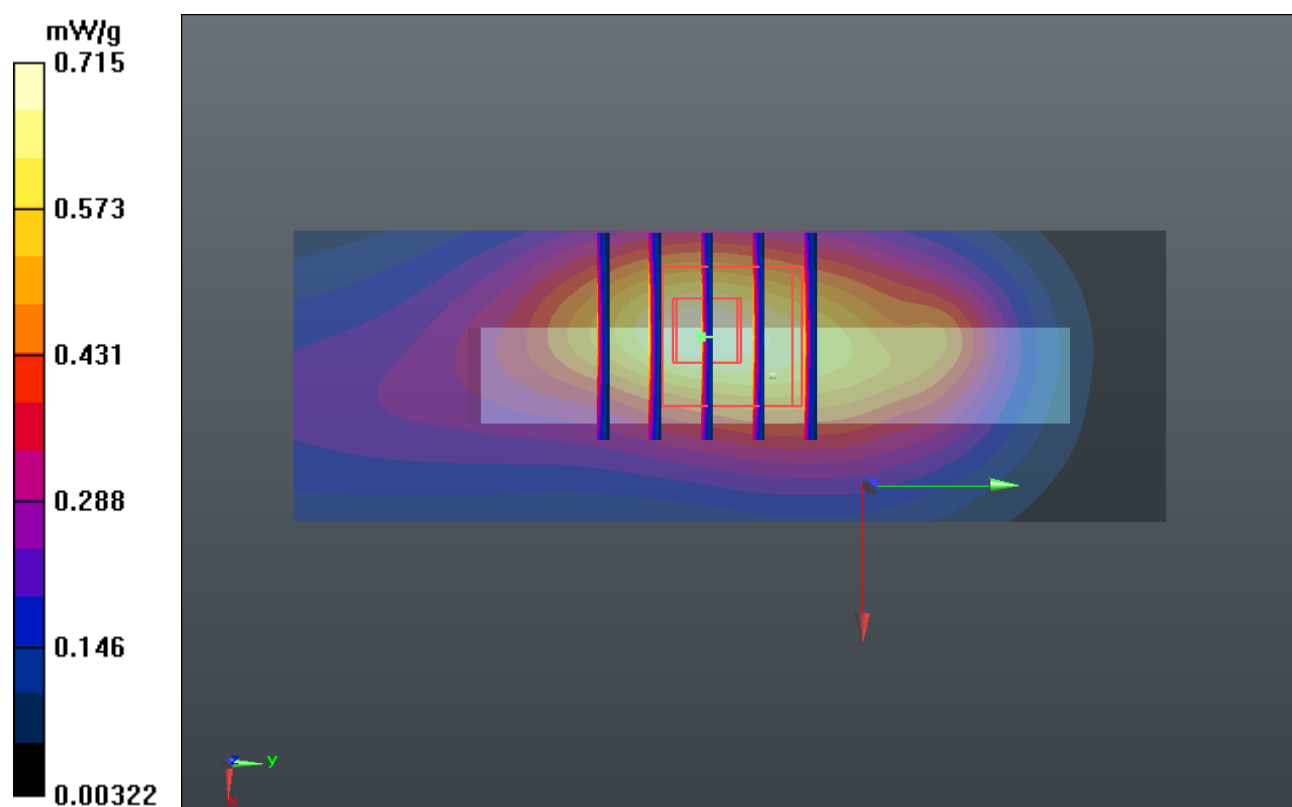
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.904 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.952 W/kg

SAR(1 g) = 0.629 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.692 mW/g



#28 WCDMA V_RMC12.2_Tip Mode_0.5cm_Ch4233

DUT: 210502

Communication System: UMTS; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 847$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 54.285$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x41x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.101 mW/g

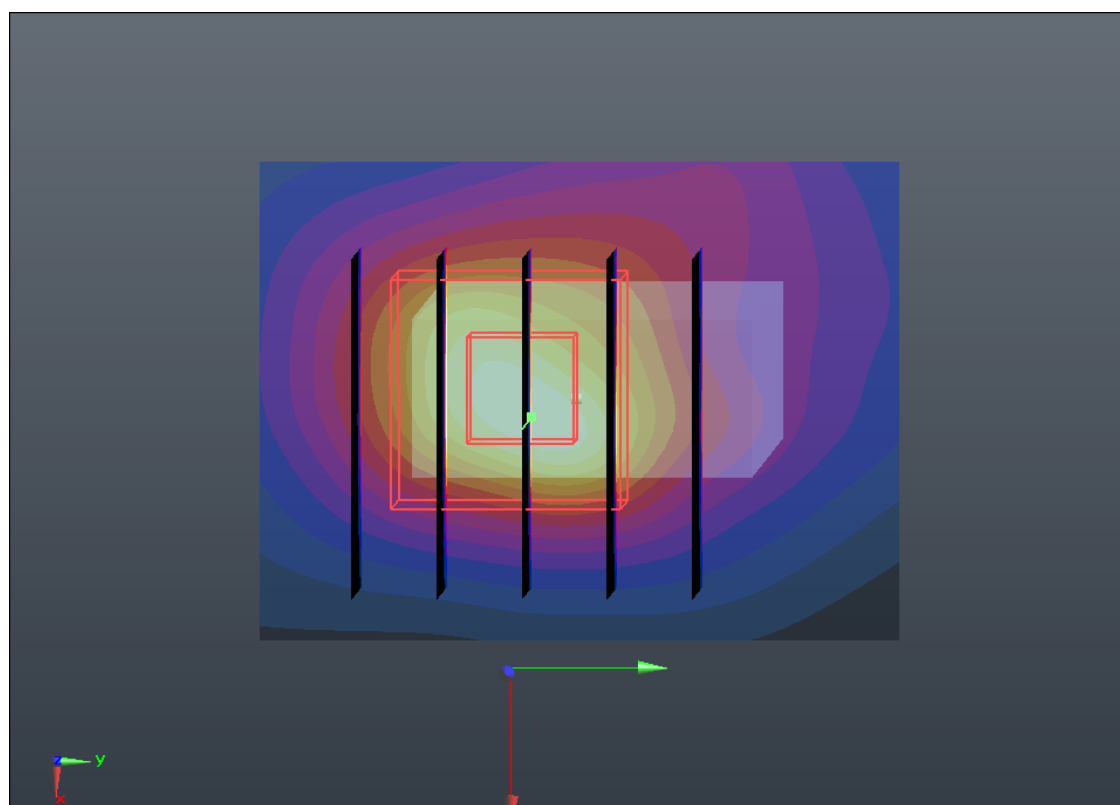
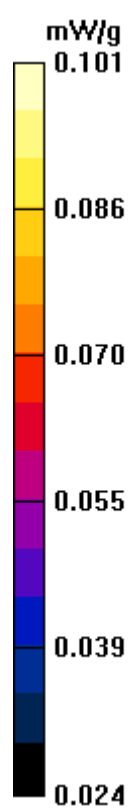
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.048 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.260 W/kg

SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.058 mW/g

Maximum value of SAR (measured) = 0.135 mW/g



#29 WCDMA V_RMC12.2_Horizontal Up_0.5cm_Ch4132

DUT: 210502

Communication System: UMTS; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 826.4 \text{ MHz}$; $\sigma = 0.968 \text{ mho/m}$; $\epsilon_r =$

54.448 ; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : $23.3 \text{ }^\circ\text{C}$; Liquid Temperature : $21.4 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (41x91x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.703 mW/g

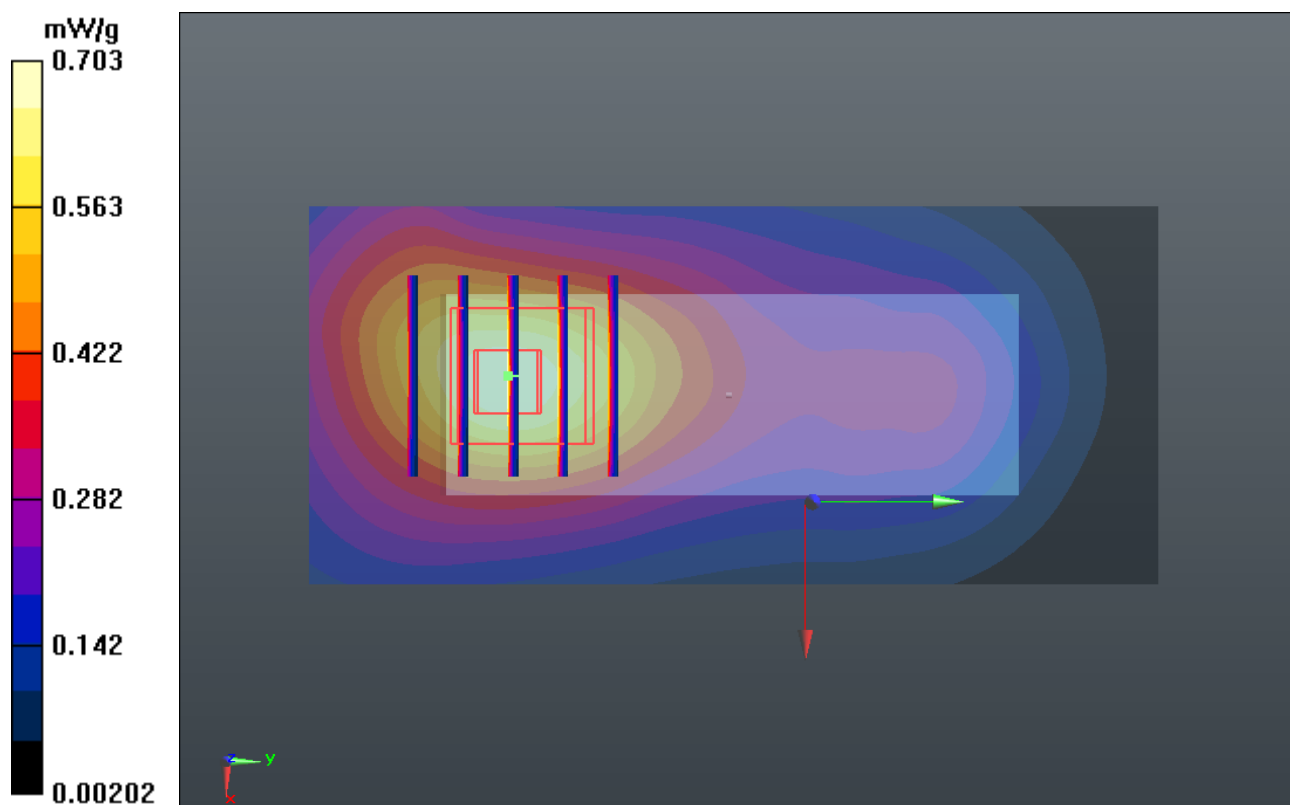
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 18.738 V/m ; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.653 mW/g ; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (measured) = 0.702 mW/g



#30 WCDMA V_RMC12.2_Horizontal Up_0.5cm_Ch4182

DUT: 210502

Communication System: UMTS; Frequency: 836.4 MHz; Duty Cycle: 1:1

Medium: MSL_835_120215 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.978$ mho/m; $\epsilon_r =$

54.371; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(8.67, 8.67, 8.67); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch4182/Area Scan (41x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.749 mW/g

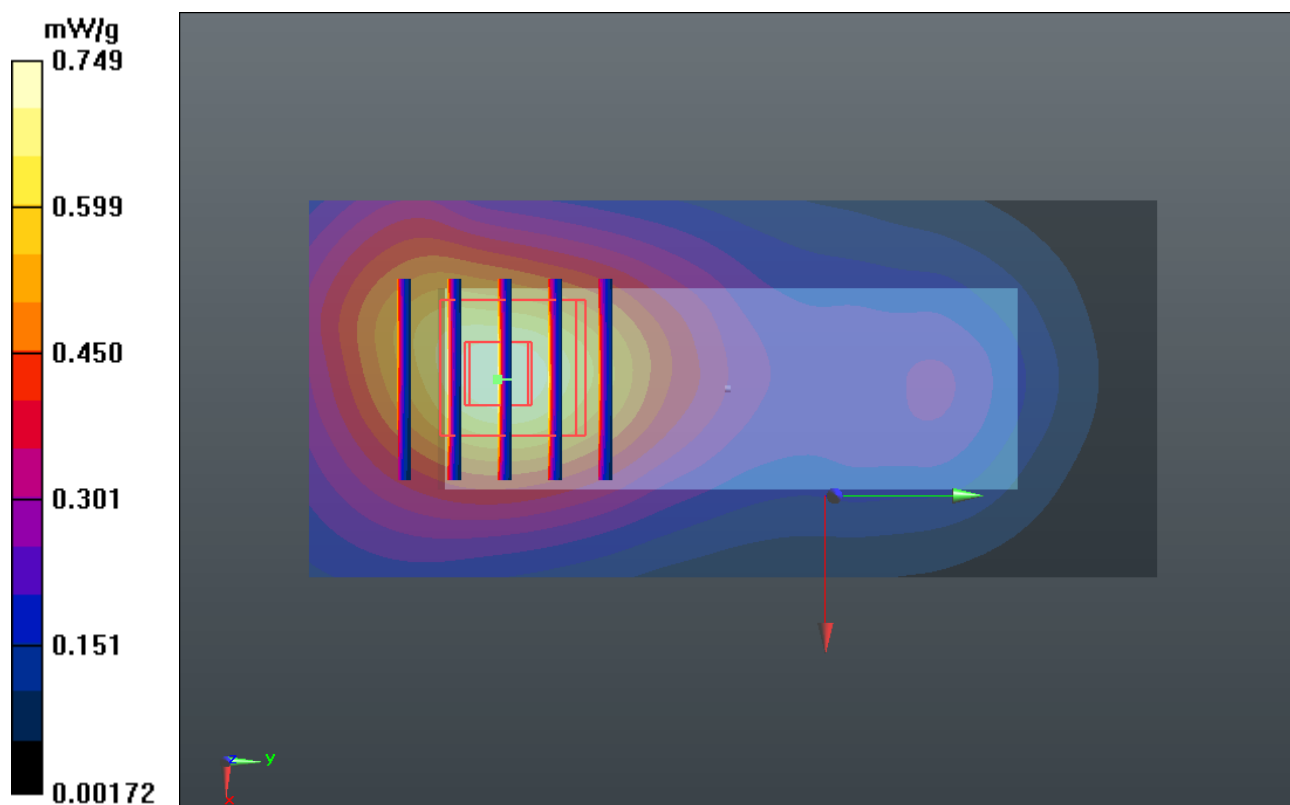
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.461 V/m; Power Drift = -0.008 dB

Peak SAR (extrapolated) = 1.036 W/kg

SAR(1 g) = 0.687 mW/g; SAR(10 g) = 0.451 mW/g

Maximum value of SAR (measured) = 0.741 mW/g



#06 WCDMA II_RMC12.2_Horizontal Up_0.5cm_Ch9400

DUT: 210502

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (41x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.739 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.409 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.165 W/kg

SAR(1 g) = 0.675 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.719 mW/g

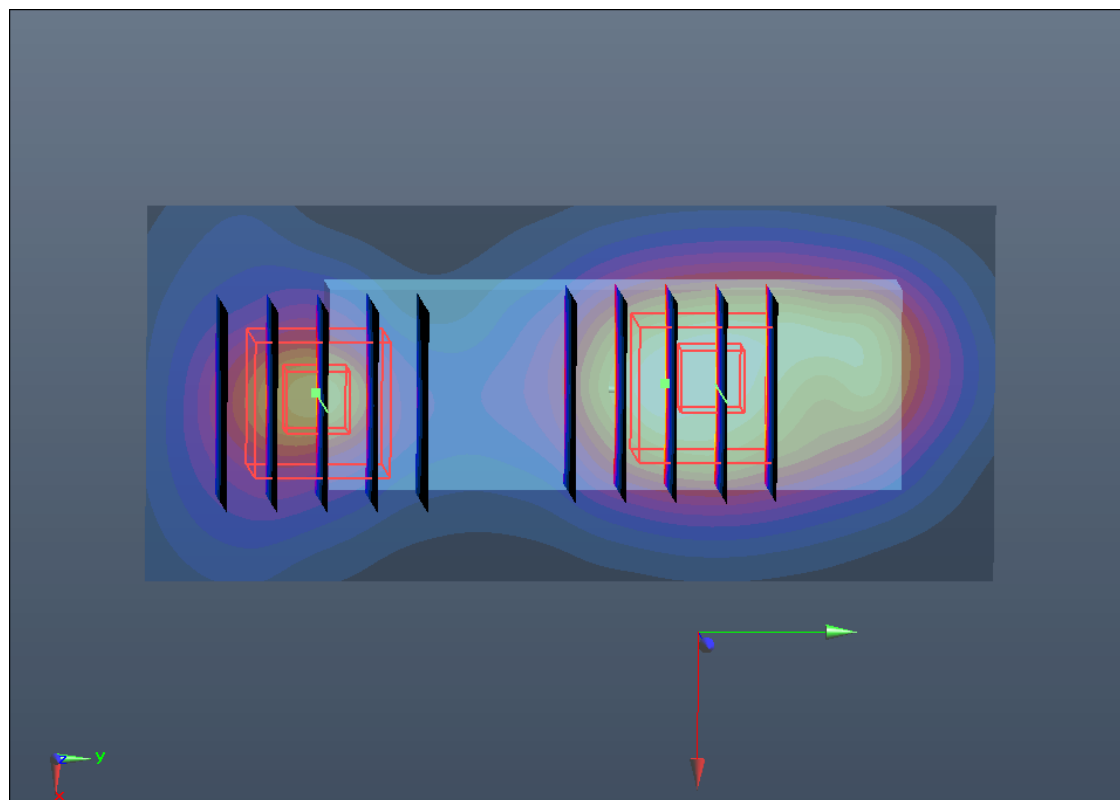
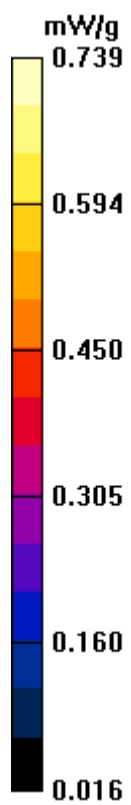
Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 20.409 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.076 W/kg

SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.279 mW/g

Maximum value of SAR (measured) = 0.635 mW/g



#07 WCDMA II_RMC12.2_Horizontal Down_0.5cm_Ch9400

DUT: 210502

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (41x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 0.827 mW/g

Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.984 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.196 W/kg

SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.484 mW/g

Maximum value of SAR (measured) = 0.832 mW/g

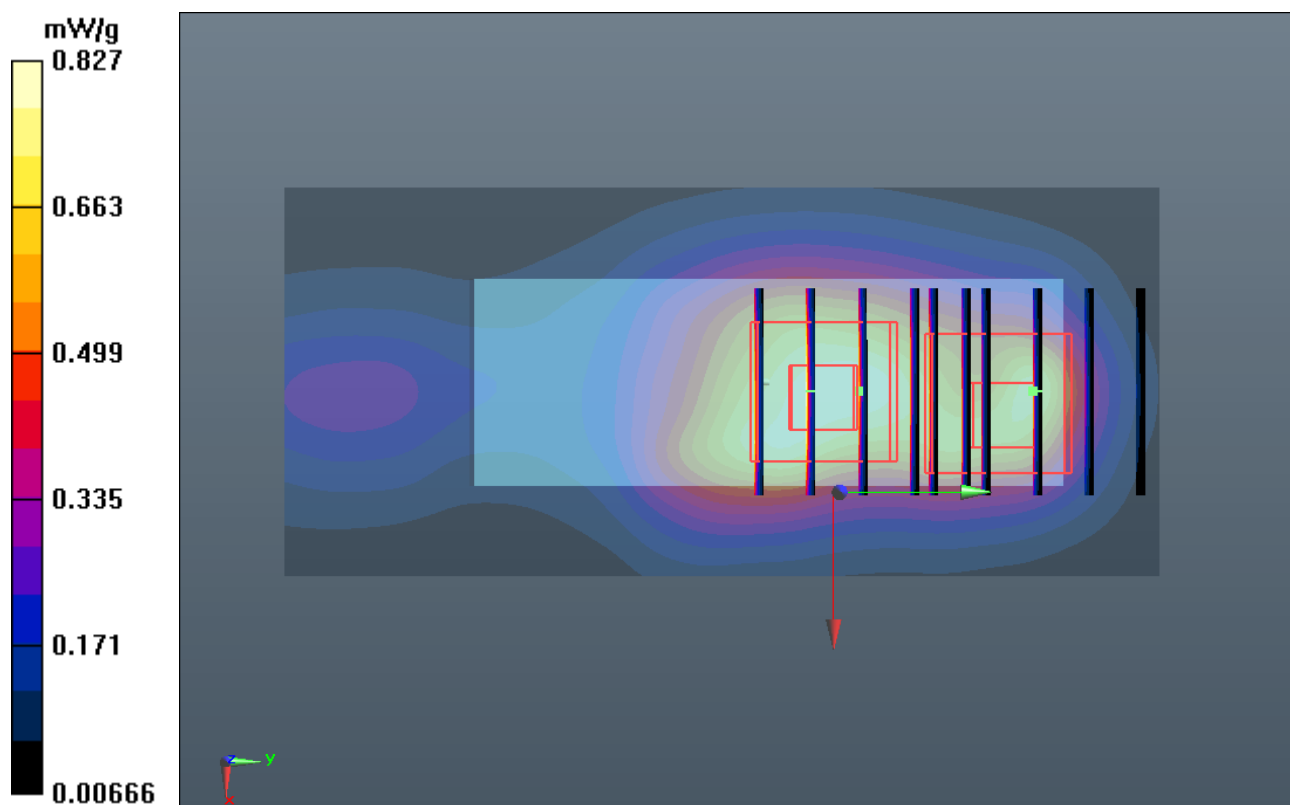
Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 21.984 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.245 W/kg

SAR(1 g) = 0.638 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.682 mW/g



#08 WCDMA II_RMC12.2_Vertical Front_0.5cm_Ch9400

DUT: 210502

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.350 mW/g

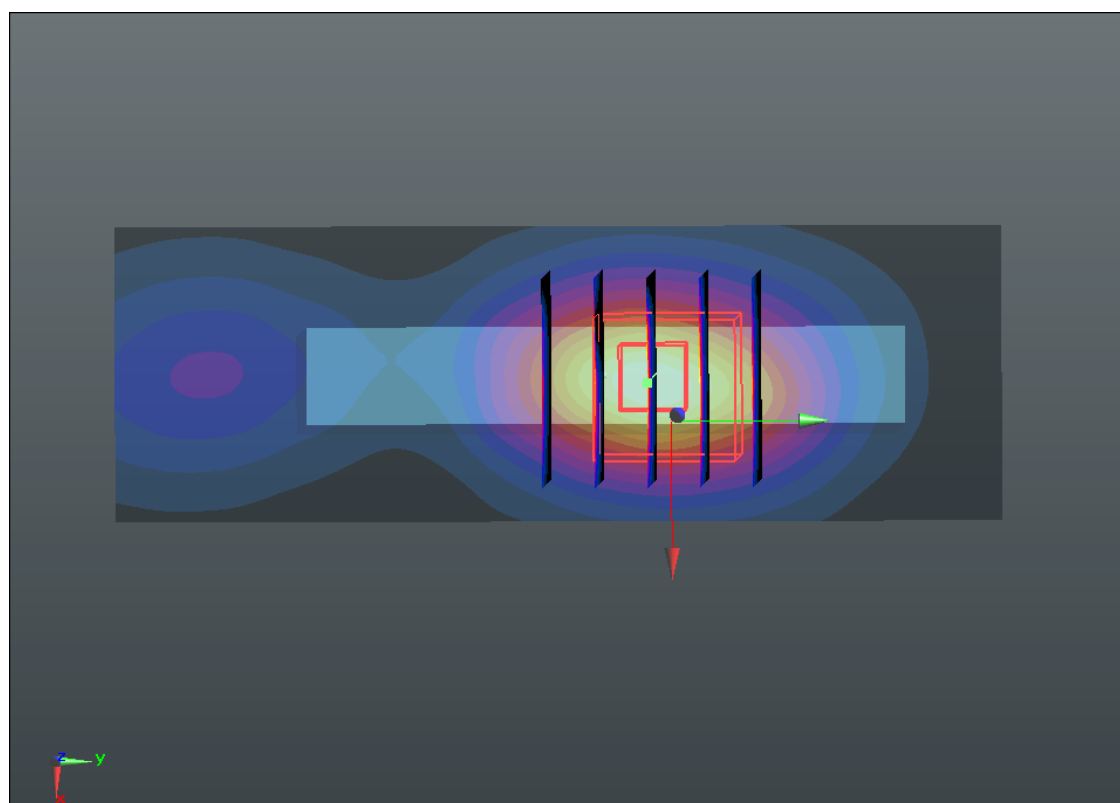
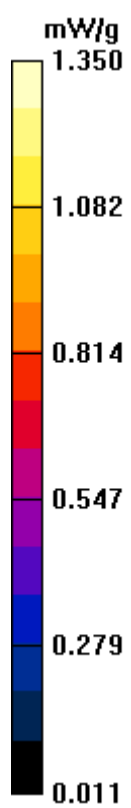
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.384 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.337 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.643 mW/g

Maximum value of SAR (measured) = 1.300 mW/g



#08 WCDMA II_RMC12.2_Vertical Front_0.5cm_Ch9400_2D

DUT: 210502

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x91x1): Measurement grid: $dx=15$ mm, $dy=15$ mm

Maximum value of SAR (interpolated) = 1.350 mW/g

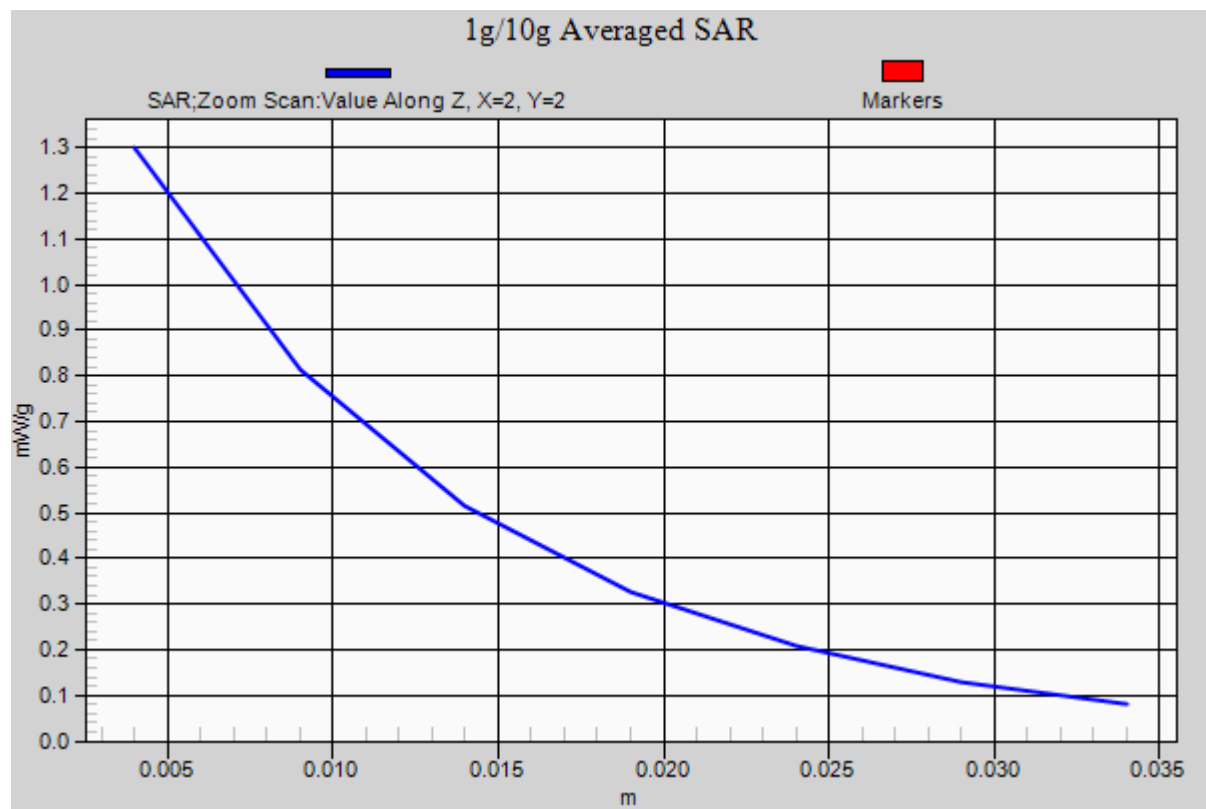
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 28.384 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.337 W/kg

SAR(1 g) = 1.18 mW/g; SAR(10 g) = 0.643 mW/g

Maximum value of SAR (measured) = 1.300 mW/g



#09 WCDMA II_RMC12.2_Vertical Back_0.5cm_Ch9400

DUT: 210502

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.475 mW/g

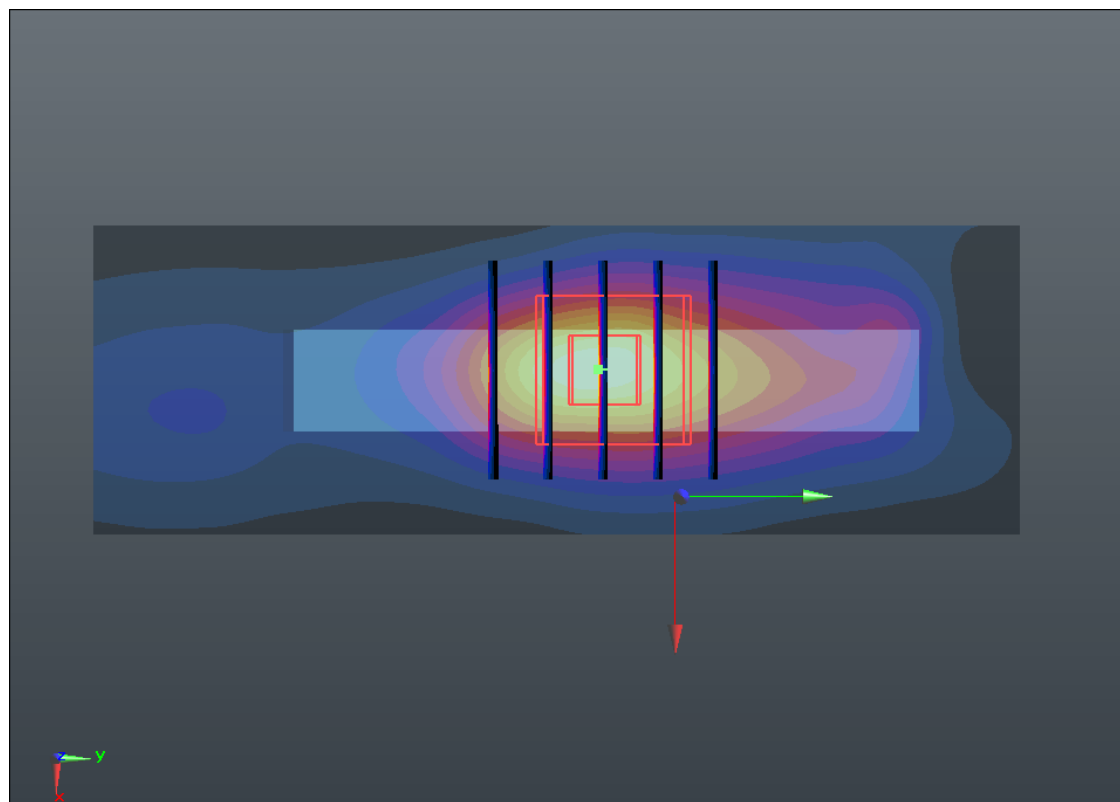
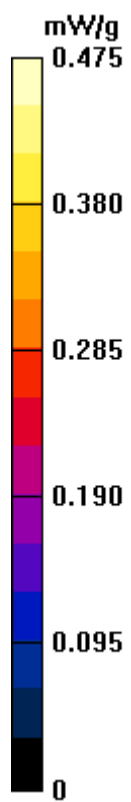
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.372 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.720 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.478 mW/g



#10 WCDMA II_RMC12.2_Tip Mode_0.5cm_Ch9400

DUT: 210502

Communication System: UMTS; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1880 \text{ MHz}$; $\sigma = 1.513 \text{ mho/m}$; $\epsilon_r =$

54.609 ; $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.4°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x41x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.422 mW/g

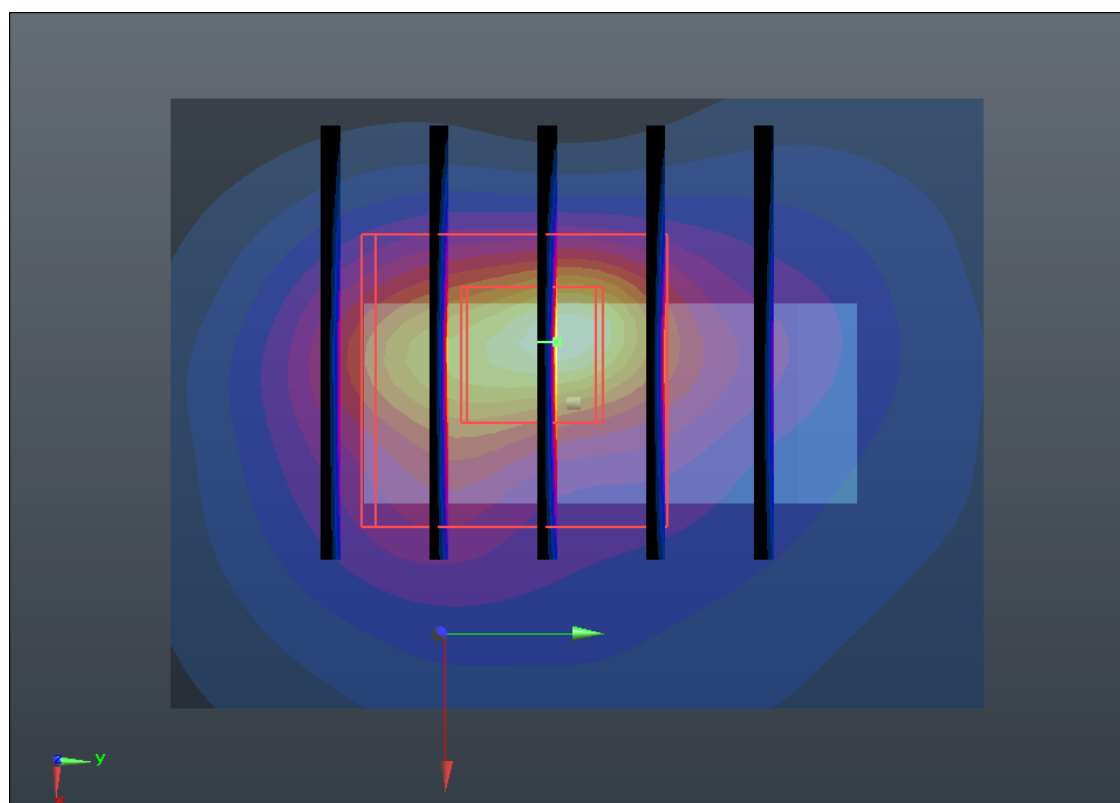
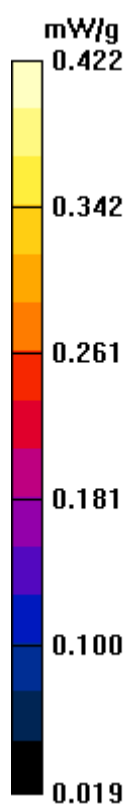
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 15.919 V/m ; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.706 W/kg

SAR(1 g) = 0.362 mW/g ; SAR(10 g) = 0.169 mW/g

Maximum value of SAR (measured) = 0.450 mW/g



#11 WCDMA II_RMC12.2_Vertical Front_0.5cm_Ch9262

DUT: 210502

Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.475$ mho/m; $\epsilon_r = 54.674$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.144 mW/g

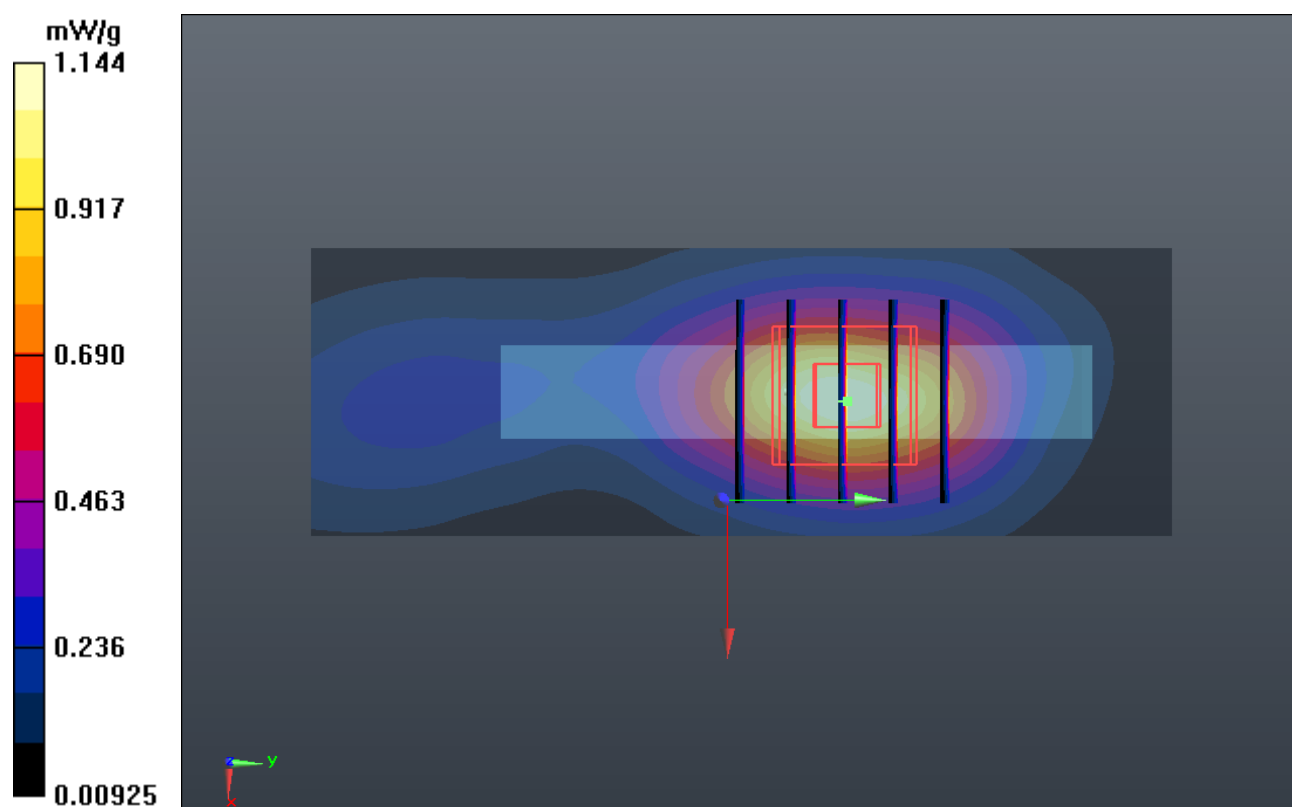
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.430 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.675 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.581 mW/g

Maximum value of SAR (measured) = 1.130 mW/g



#12 WCDMA II_RMC12.2_Vertical Front_0.5cm_Ch9538

DUT: 210502

Communication System: UMTS; Frequency: 1907.6 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120215 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.542$ mho/m; $\epsilon_r =$

54.565; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3697; ConvF(6.96, 6.96, 6.96); Calibrated: 2011-9-2
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (31x91x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.108 mW/g

Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.628 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.570 W/kg

SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.527 mW/g

Maximum value of SAR (measured) = 1.046 mW/g

