



## ***Appendix B. Plots of SAR Measurement***

The plots are shown as follows.

### #13 GSM850\_Right Cheek\_Ch251

#### DUT: 1O1401

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_111024 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 41.688$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.829 mW/g

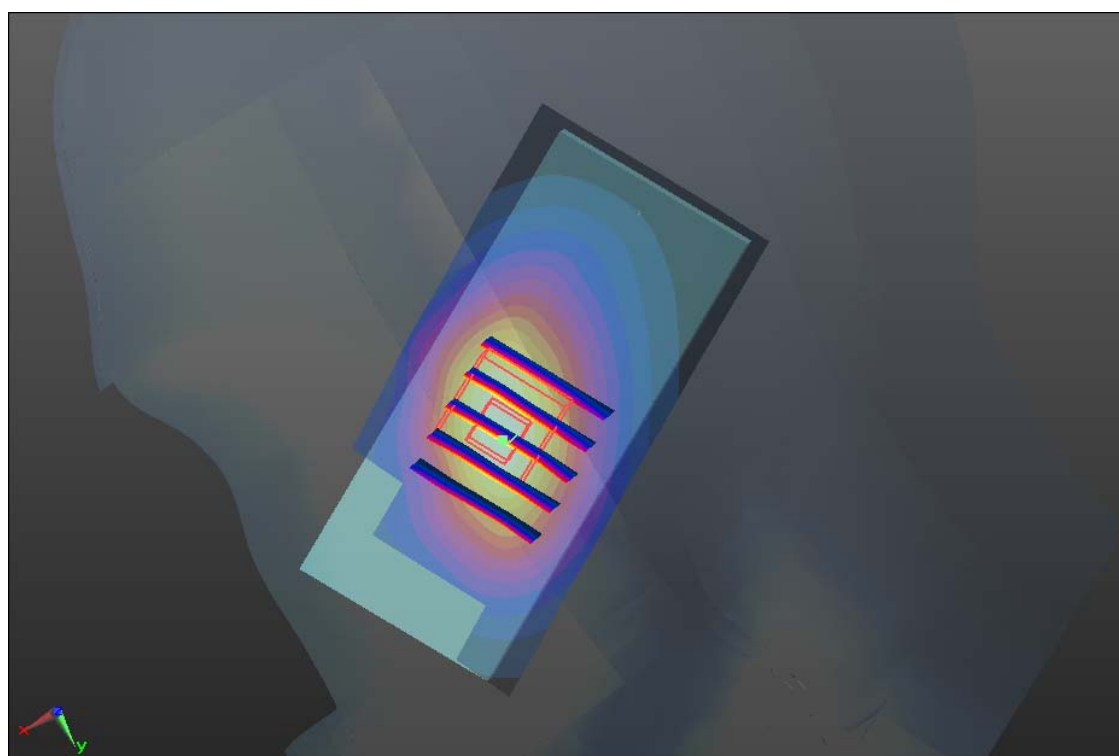
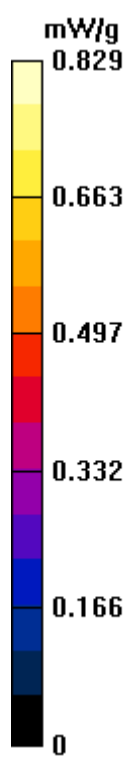
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.147 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.968 W/kg

**SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.514 mW/g**

Maximum value of SAR (measured) = 0.797 mW/g



### #13 GSM850\_Right Cheek\_Ch251\_2D

#### DUT: 1O1401

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_111024 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 41.688$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.829 mW/g

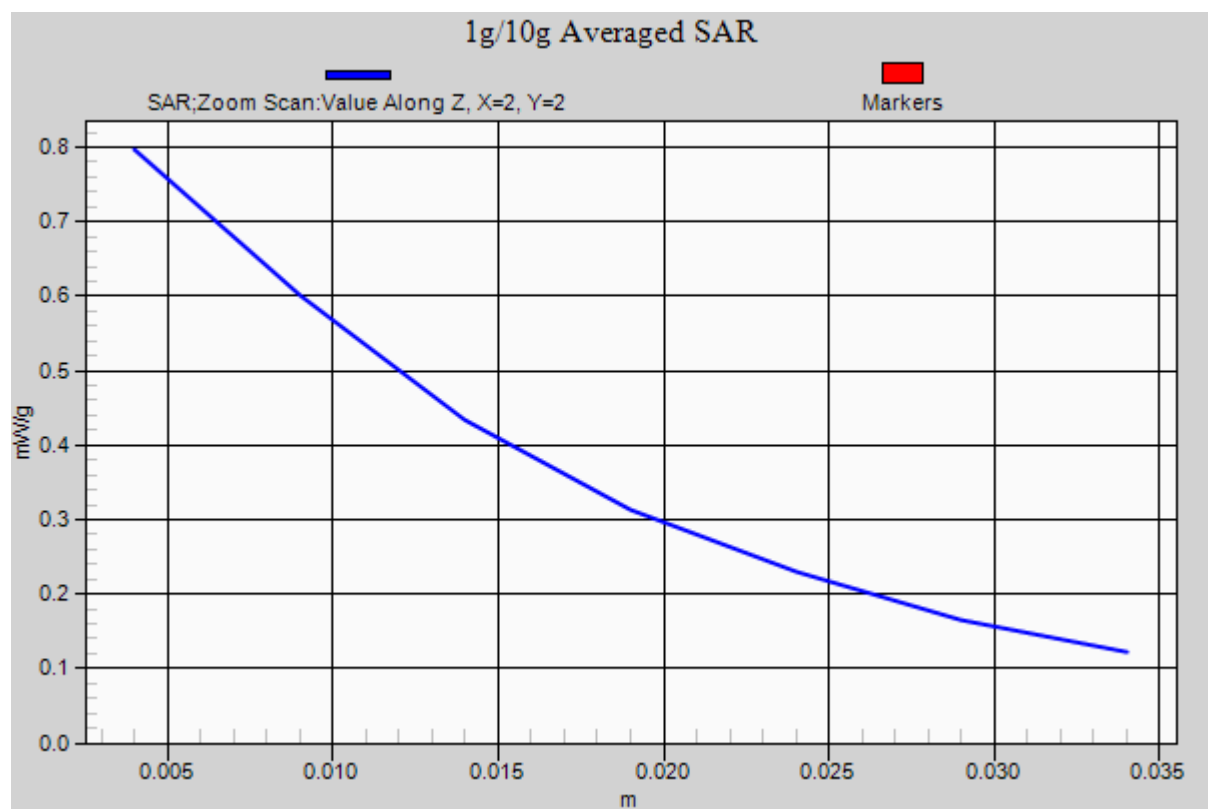
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.147 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.968 W/kg

**SAR(1 g) = 0.750 mW/g; SAR(10 g) = 0.514 mW/g**

Maximum value of SAR (measured) = 0.797 mW/g



## #14 GSM850\_Right Tilted\_Ch251

### DUT: 1O1401

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_111024 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 41.688$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.409 mW/g

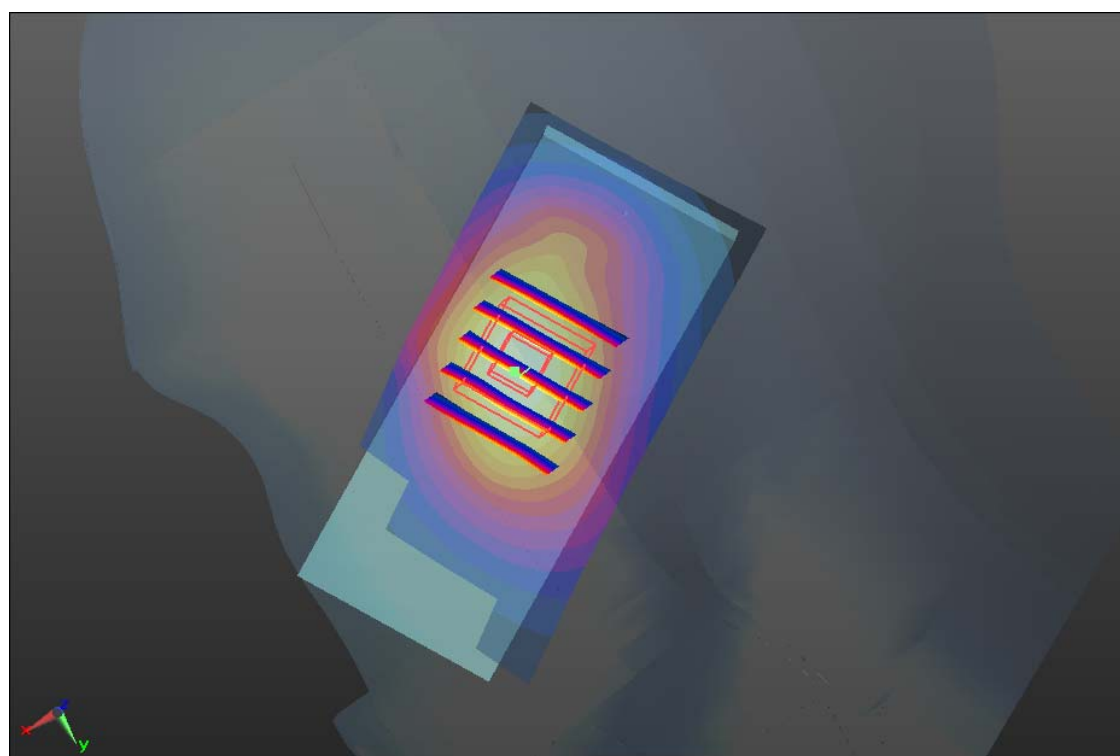
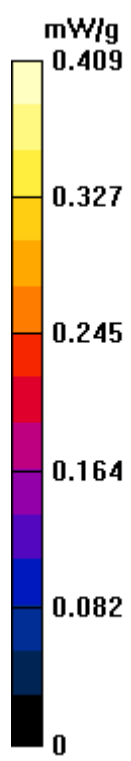
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.719 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.470 W/kg

**SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.277 mW/g**

Maximum value of SAR (measured) = 0.401 mW/g



## #15 GSM850\_Left Cheek\_Ch251

### DUT: 1O1401

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_111024 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 41.688$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.796 mW/g

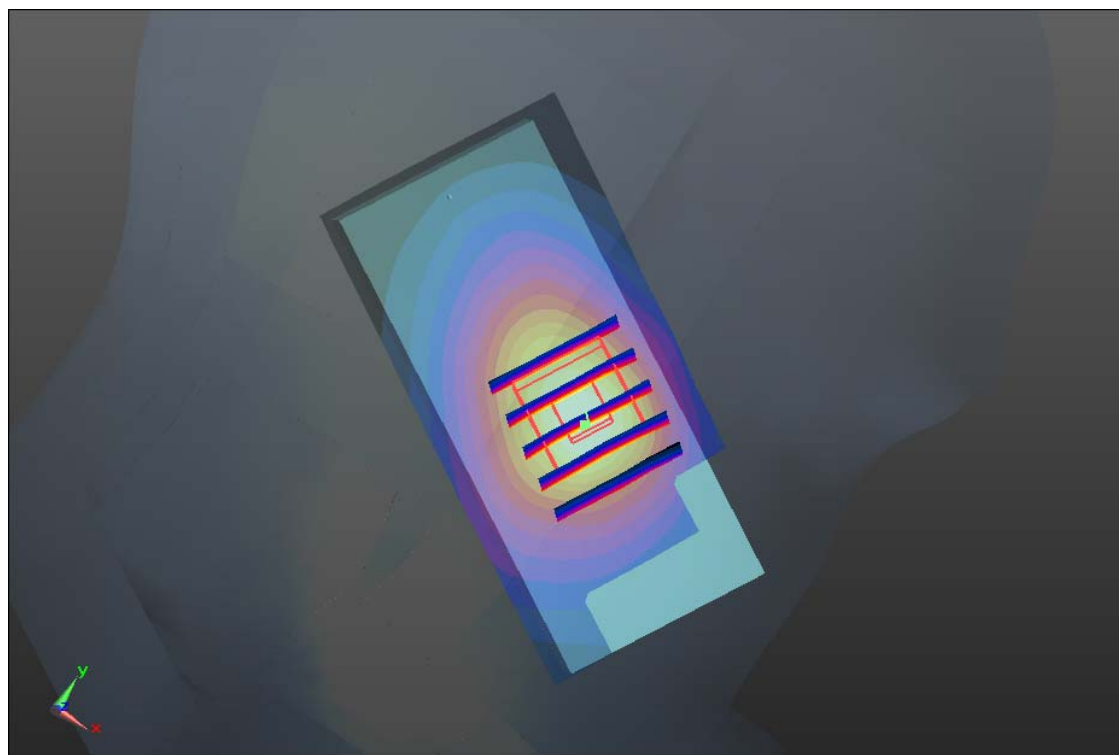
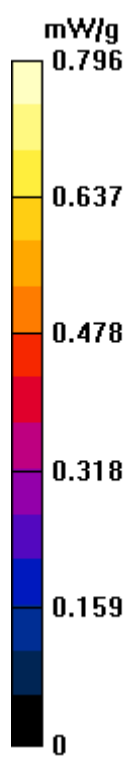
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.560 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.894 W/kg

**SAR(1 g) = 0.706 mW/g; SAR(10 g) = 0.499 mW/g**

Maximum value of SAR (measured) = 0.746 mW/g



## #16 GSM850\_Left Tilted\_Ch251

### DUT: 1O1401

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_111024 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.933$  mho/m;  $\epsilon_r = 41.688$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.362 mW/g

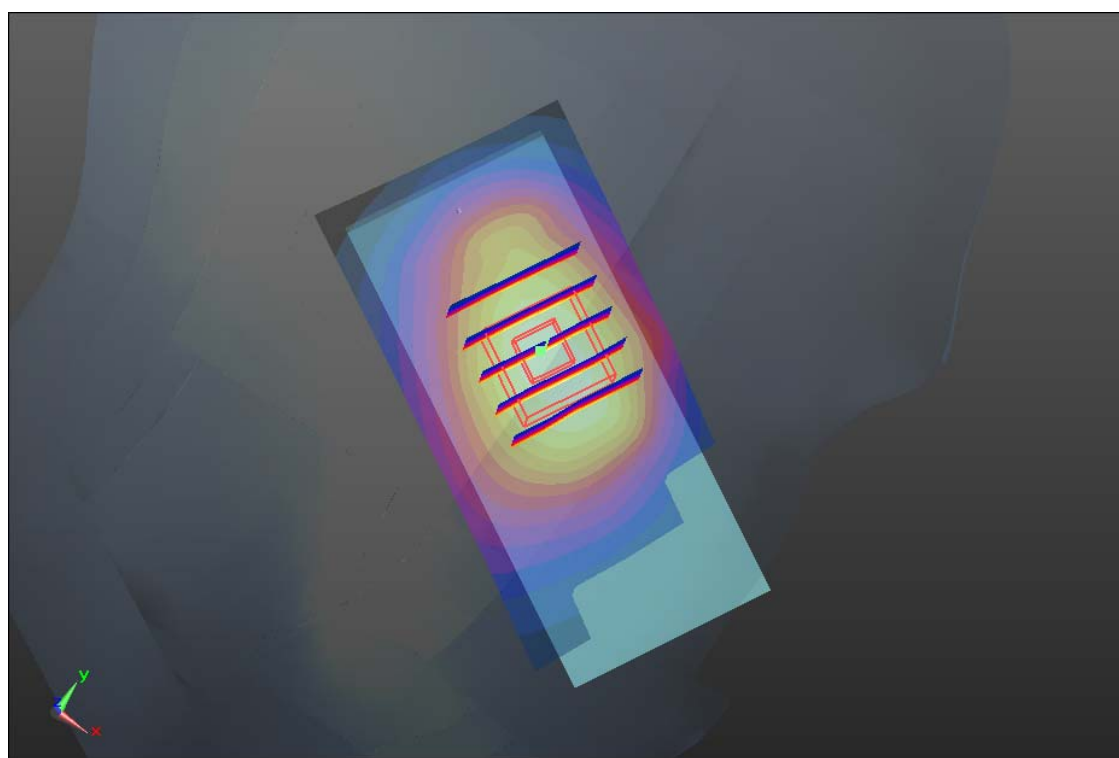
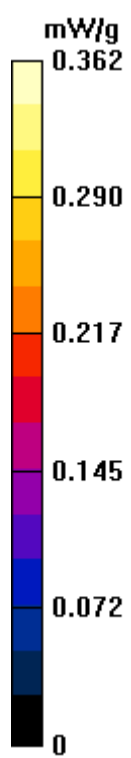
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.709 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.425 W/kg

**SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.250 mW/g**

Maximum value of SAR (measured) = 0.365 mW/g



## **#01 GSM1900\_Right Cheek\_Ch512**

### **DUT: 1O1401**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.369$  mho/m;  $\epsilon_r =$

40.694;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.652 mW/g

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

Reference Value = 9.986 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.911 W/kg

**SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.356 mW/g**

Maximum value of SAR (measured) = 0.637 mW/g

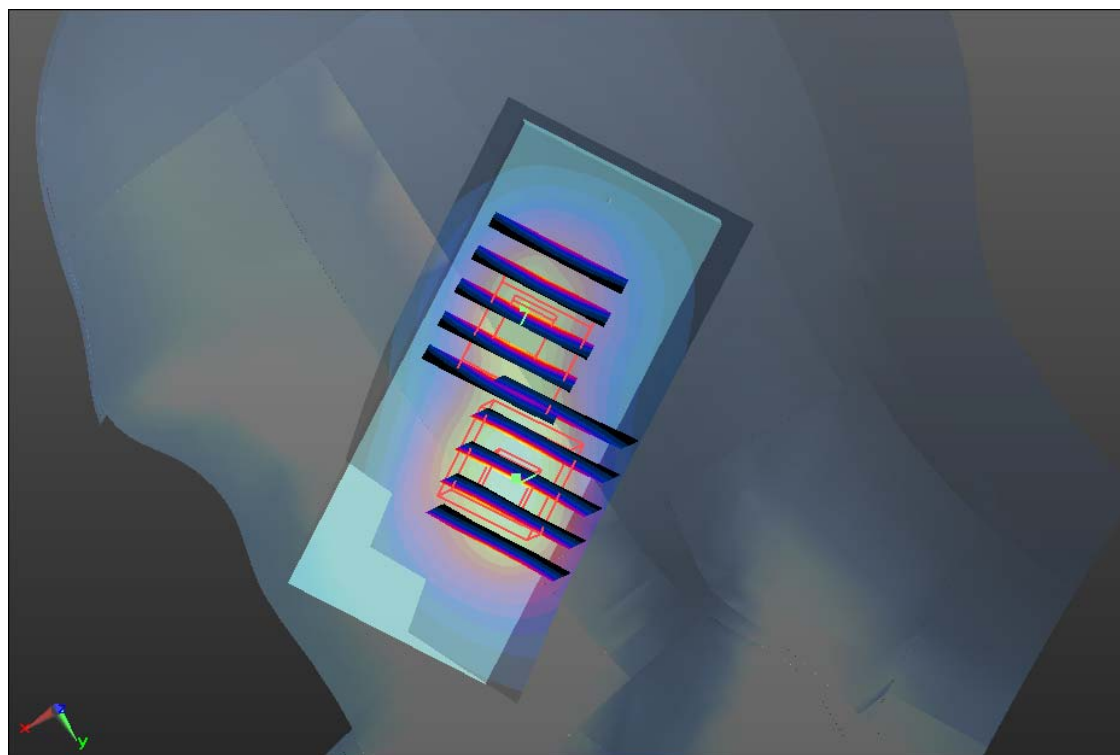
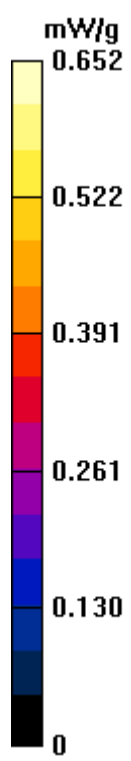
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.986 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.693 W/kg

**SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.532 mW/g



**#01 GSM1900\_Right Cheek\_Ch512\_2D**

**DUT: 1O1401**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.369$  mho/m;  $\epsilon_r =$

40.694;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.652 mW/g

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

Reference Value = 9.986 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.911 W/kg

**SAR(1 g) = 0.595 mW/g; SAR(10 g) = 0.356 mW/g**

Maximum value of SAR (measured) = 0.637 mW/g

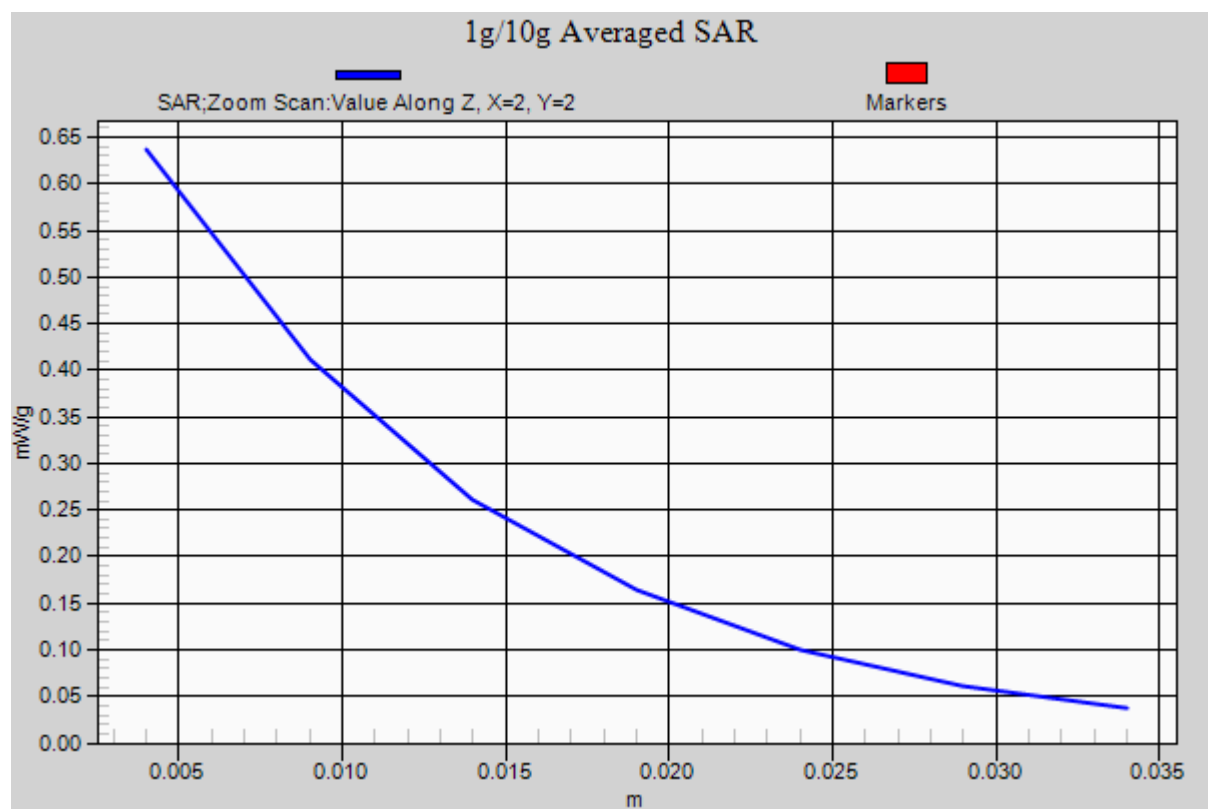
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.986 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.693 W/kg

**SAR(1 g) = 0.493 mW/g; SAR(10 g) = 0.312 mW/g**

Maximum value of SAR (measured) = 0.532 mW/g



## **#02 GSM1900\_Right Tilted\_Ch512**

### **DUT: 1O1401**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.369 \text{ mho/m}$ ;  $\epsilon_r =$

$40.694$ ;  $\rho = 1000 \text{ kg/m}^3$

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (41x81x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.420 \text{ mW/g}$

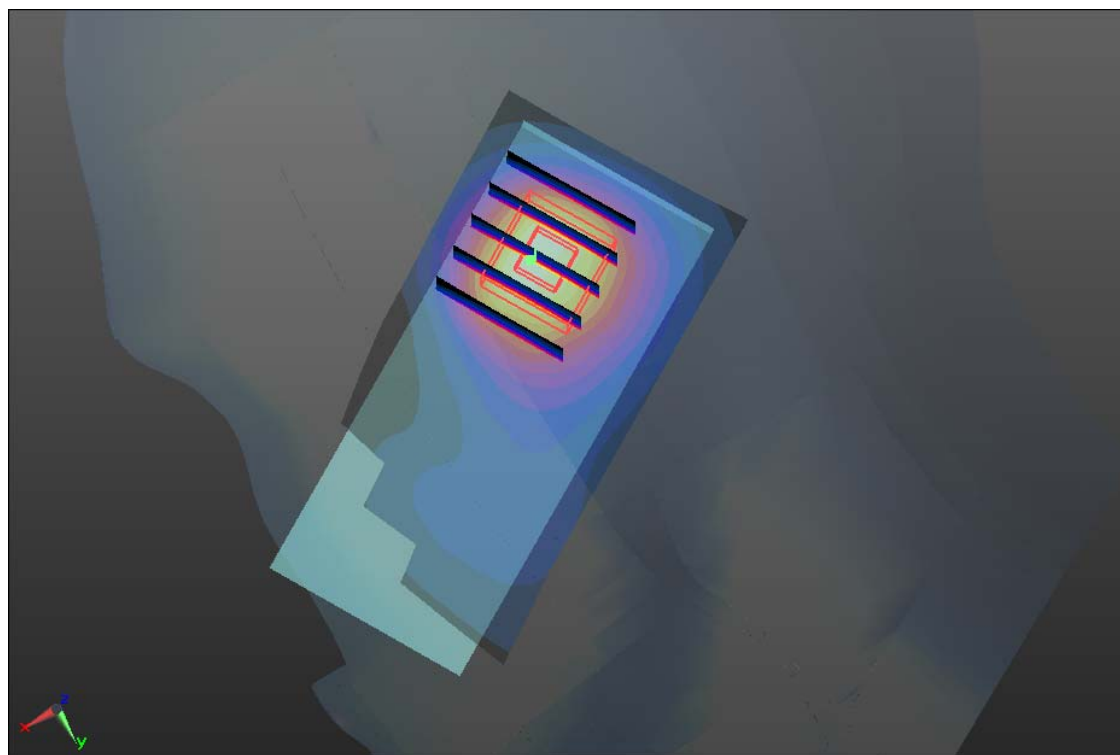
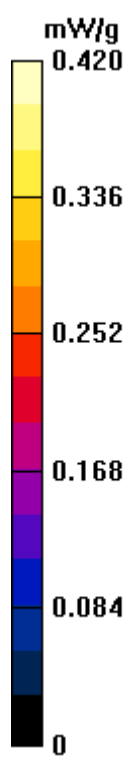
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $13.382 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.541 \text{ W/kg}$

**SAR(1 g) =  $0.363 \text{ mW/g}$ ; SAR(10 g) =  $0.220 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.391 \text{ mW/g}$



### #03 GSM1900\_Left Cheek\_Ch512

#### DUT: 1O1401

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.369$  mho/m;  $\epsilon_r =$

40.694;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.419 mW/g

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

Reference Value = 9.393 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.547 W/kg

**SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.231 mW/g**

Maximum value of SAR (measured) = 0.401 mW/g

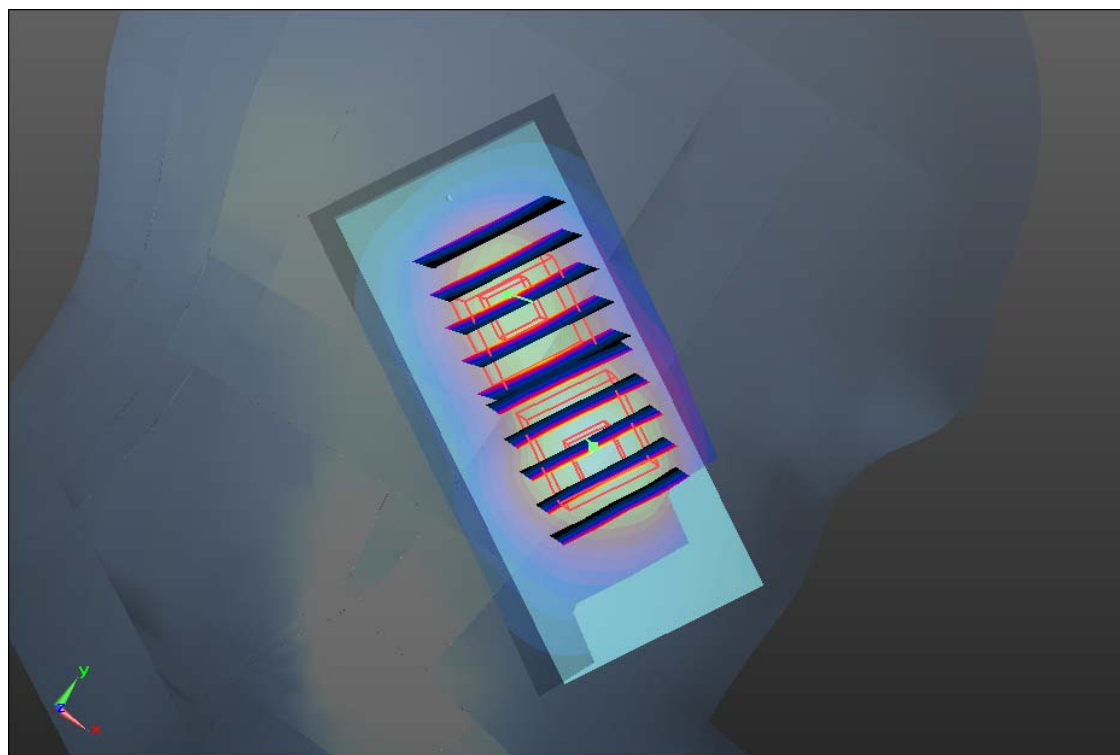
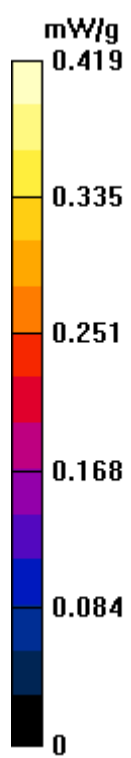
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.393 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.479 W/kg

**SAR(1 g) = 0.349 mW/g; SAR(10 g) = 0.222 mW/g**

Maximum value of SAR (measured) = 0.378 mW/g



## **#04 GSM1900\_Left Tilted\_Ch512**

### **DUT: 1O1401**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.369$  mho/m;  $\epsilon_r =$

40.694;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.362 mW/g

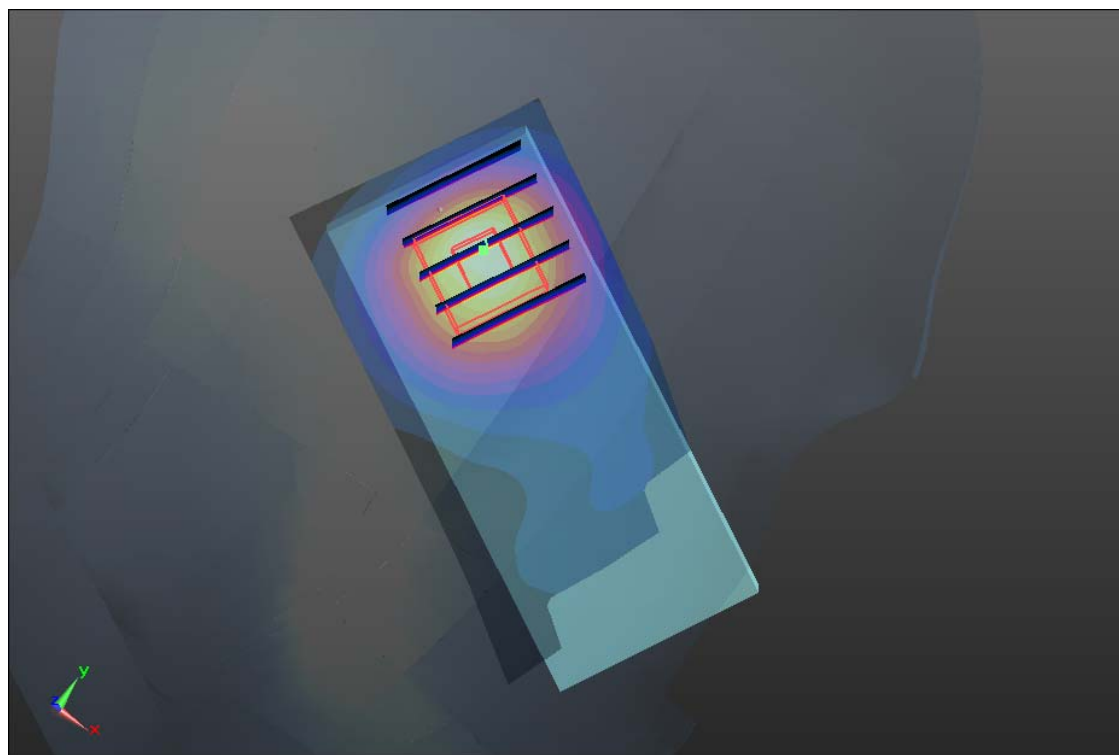
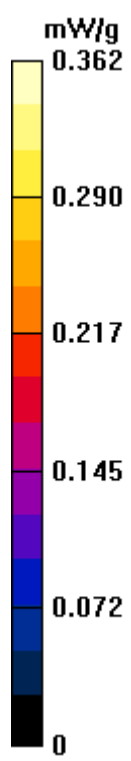
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.265 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.474 W/kg

**SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.191 mW/g**

Maximum value of SAR (measured) = 0.341 mW/g



**#17 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4233**

**DUT: 1O1401**

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 41.71$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.939 mW/g

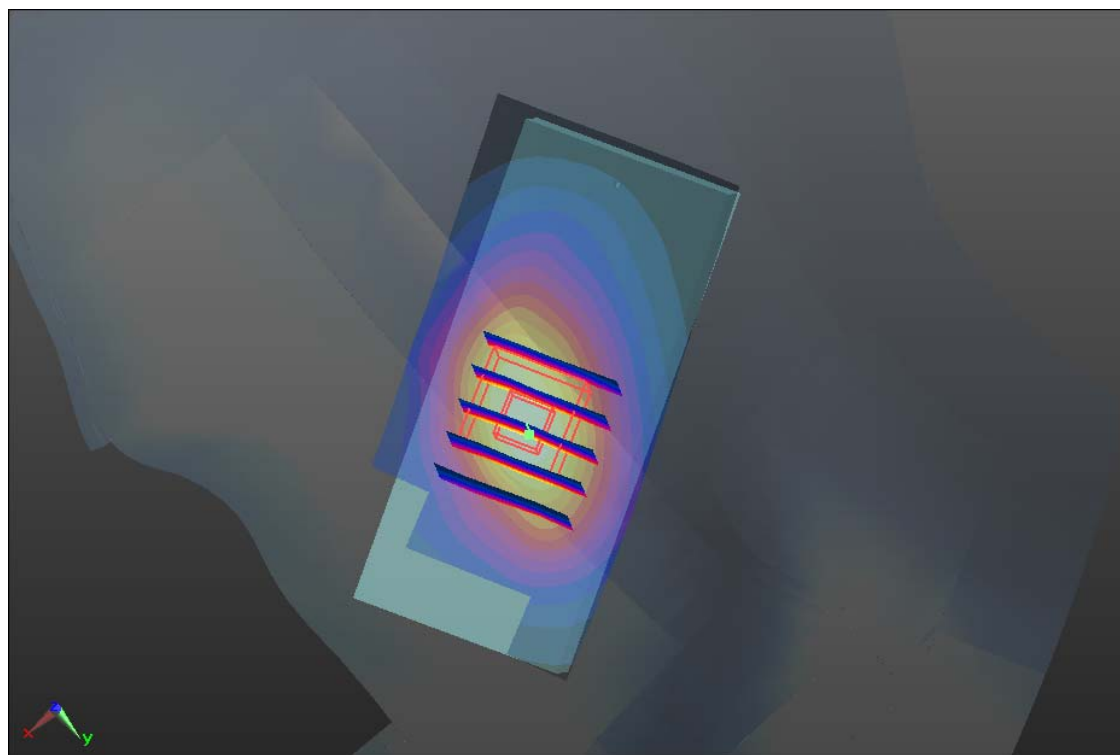
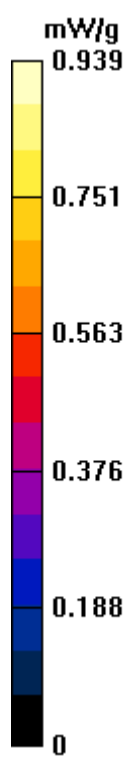
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.484 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.081 W/kg

**SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.574 mW/g**

Maximum value of SAR (measured) = 0.877 mW/g



**#17 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4233\_2D**

**DUT: 1O1401**

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 41.71$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.939 mW/g

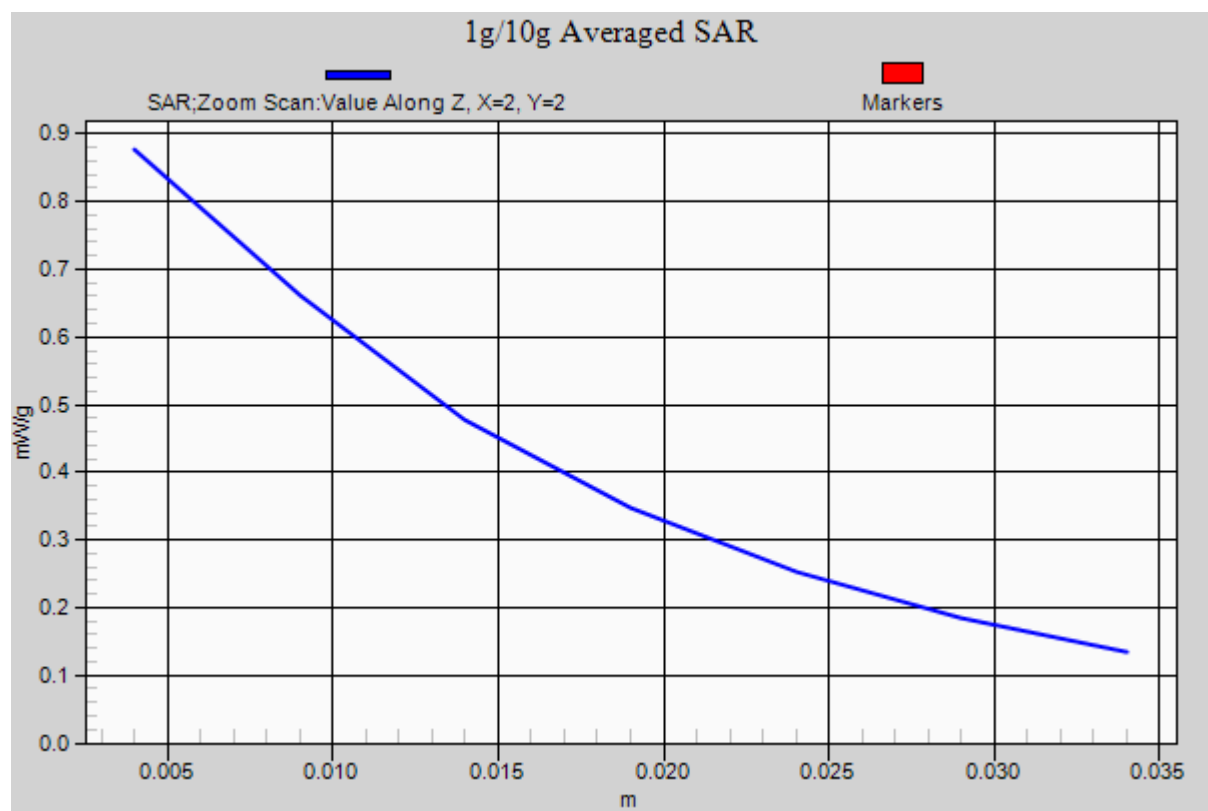
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.484 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.081 W/kg

**SAR(1 g) = 0.831 mW/g; SAR(10 g) = 0.574 mW/g**

Maximum value of SAR (measured) = 0.877 mW/g



**#18 WCDMA V\_RMC12.2K\_Right Tilted\_Ch4233**

**DUT: 1O1401**

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 41.71$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.420 mW/g

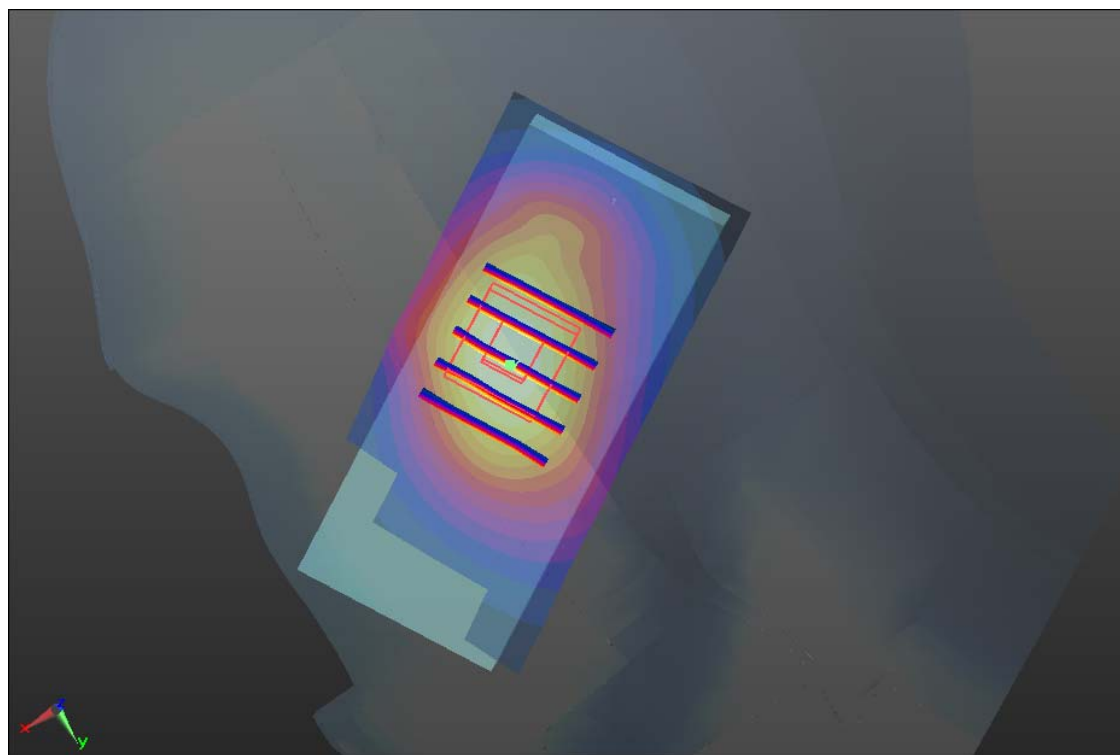
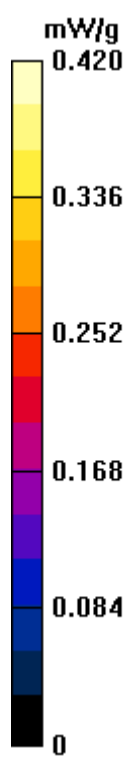
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.496 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.480 W/kg

**SAR(1 g) = 0.389 mW/g; SAR(10 g) = 0.285 mW/g**

Maximum value of SAR (measured) = 0.406 mW/g



**#19 WCDMA V\_RMC12.2K\_Left Cheek\_Ch4233**

**DUT: 1O1401**

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 41.71$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.879 mW/g

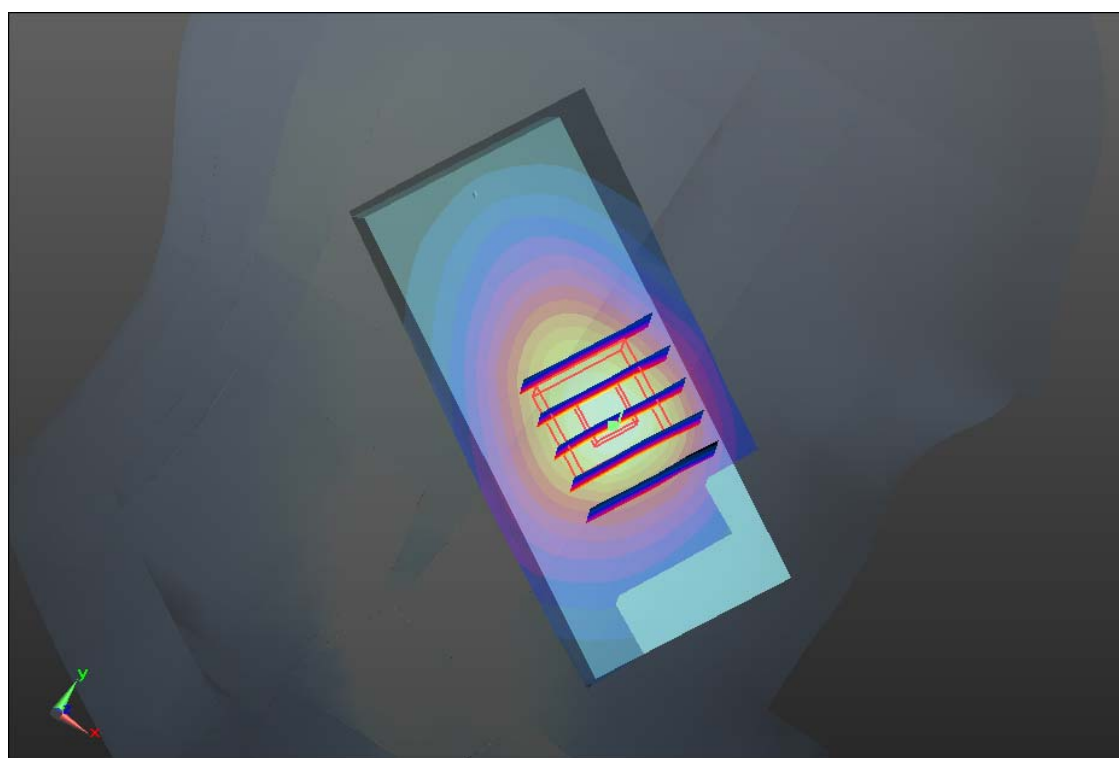
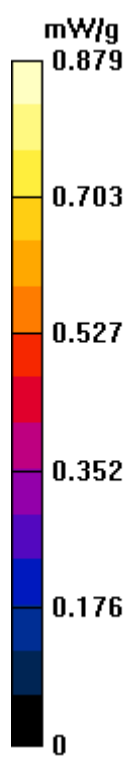
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.887 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.993 W/kg

**SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.554 mW/g**

Maximum value of SAR (measured) = 0.828 mW/g



**#20 WCDMA V\_RMC12.2K\_Left Tilted\_Ch4233**

**DUT: 1O1401**

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.931$  mho/m;  $\epsilon_r = 41.71$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.393 mW/g

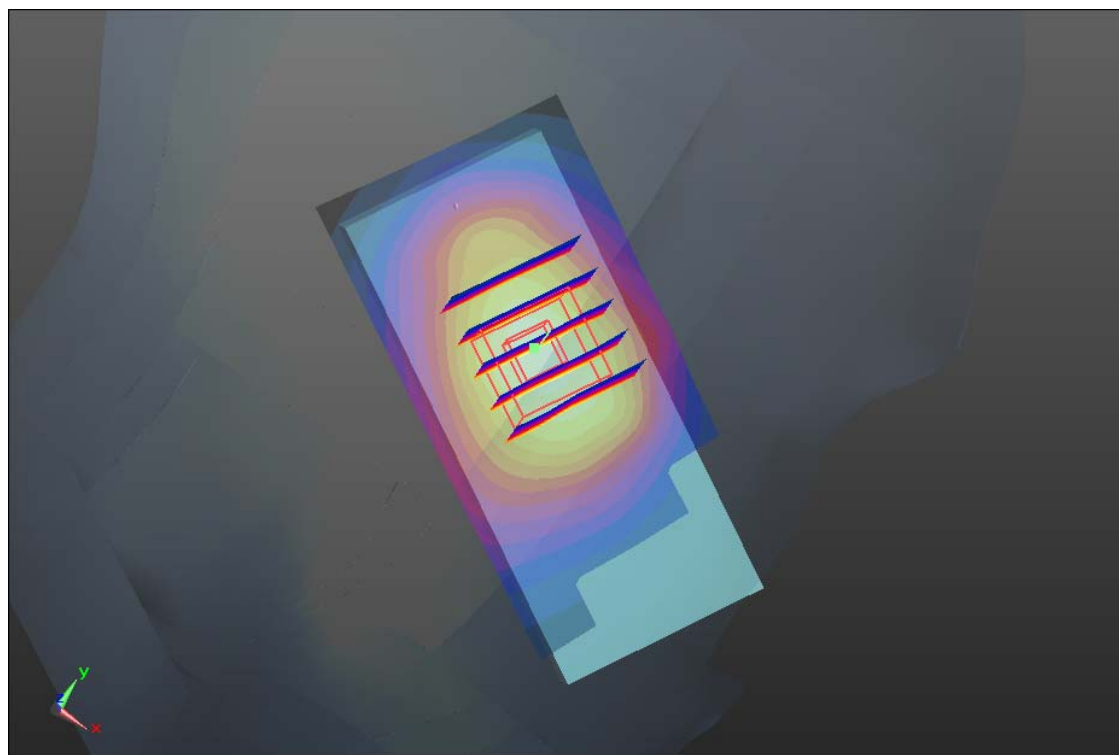
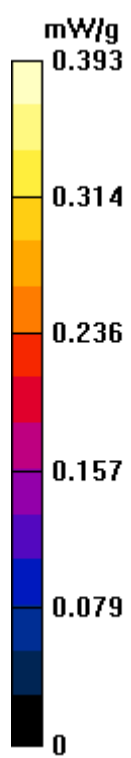
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.818 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.452 W/kg

**SAR(1 g) = 0.364 mW/g; SAR(10 g) = 0.267 mW/g**

Maximum value of SAR (measured) = 0.386 mW/g



## #21 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4132

### DUT: 1O1401

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.911$  mho/m;  $\epsilon_r =$

41.937;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4132/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.657 mW/g

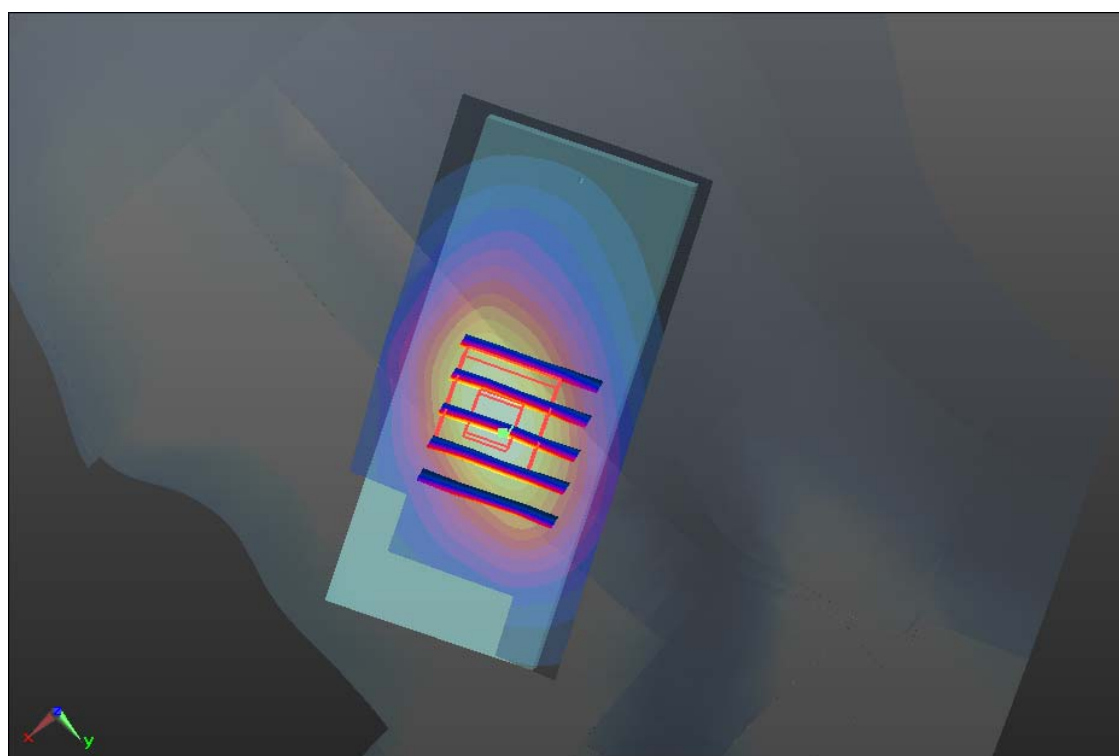
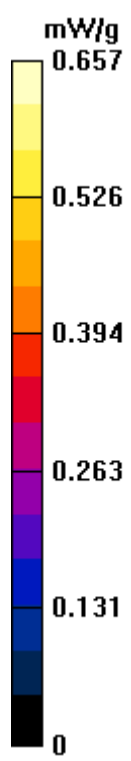
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.540 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.779 W/kg

**SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.431 mW/g**

Maximum value of SAR (measured) = 0.643 mW/g



**#22 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4182**

**DUT: 1O1401**

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

Medium: HSL\_835\_111024 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.921$  mho/m;  $\epsilon_r = 41.83$ ;

$\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.39, 6.39, 6.39); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4182/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.588 mW/g

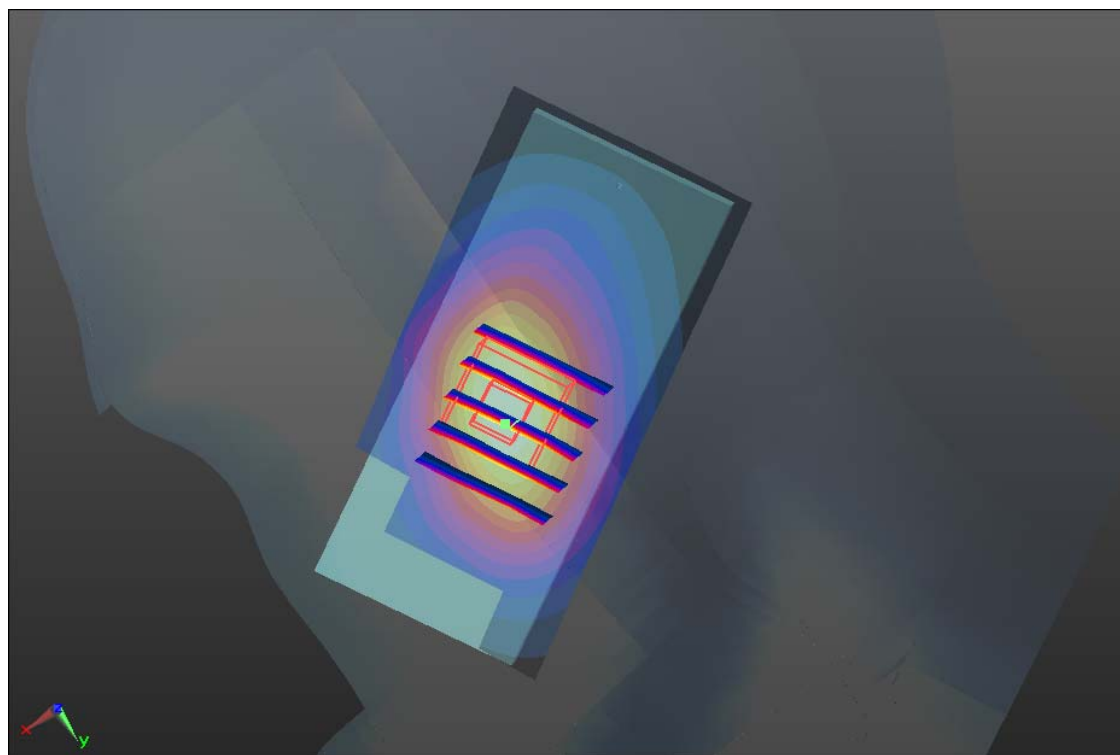
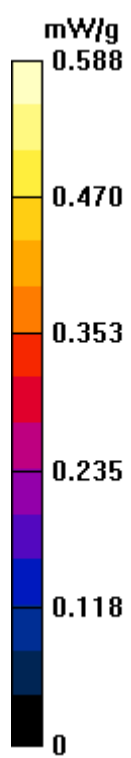
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.099 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.675 W/kg

**SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.367 mW/g**

Maximum value of SAR (measured) = 0.561 mW/g



**#05 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9262**

**DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r =$

$40.687$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (41x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $1.507$  mW/g

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

Reference Value =  $15.731$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $2.008$  W/kg

**SAR(1 g) =  $1.32$  mW/g; SAR(10 g) =  $0.795$  mW/g**

Maximum value of SAR (measured) =  $1.414$  mW/g

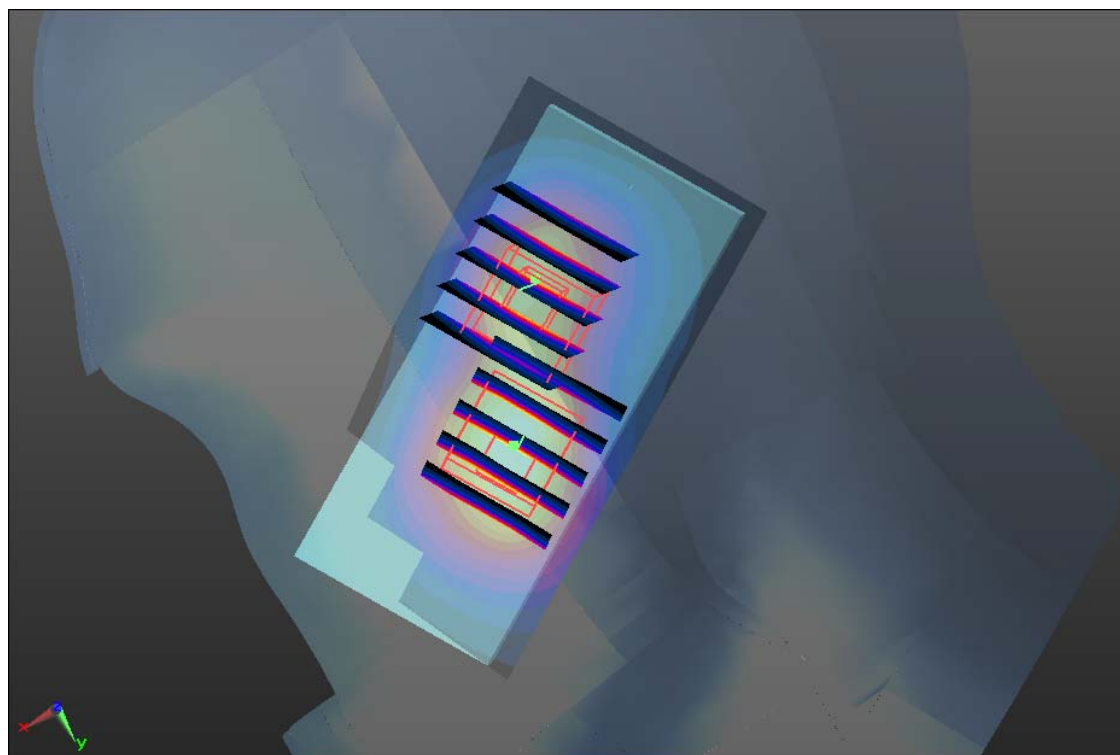
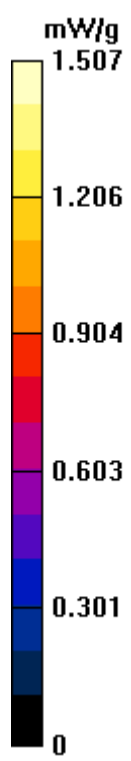
**Ch9262/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $15.731$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $1.530$  W/kg

**SAR(1 g) =  $1.1$  mW/g; SAR(10 g) =  $0.692$  mW/g**

Maximum value of SAR (measured) =  $1.189$  mW/g



**#06 WCDMA II\_RMC12.2K\_Right Tilted\_Ch9262**

**DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r =$

$40.687$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (41x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.867$  mW/g

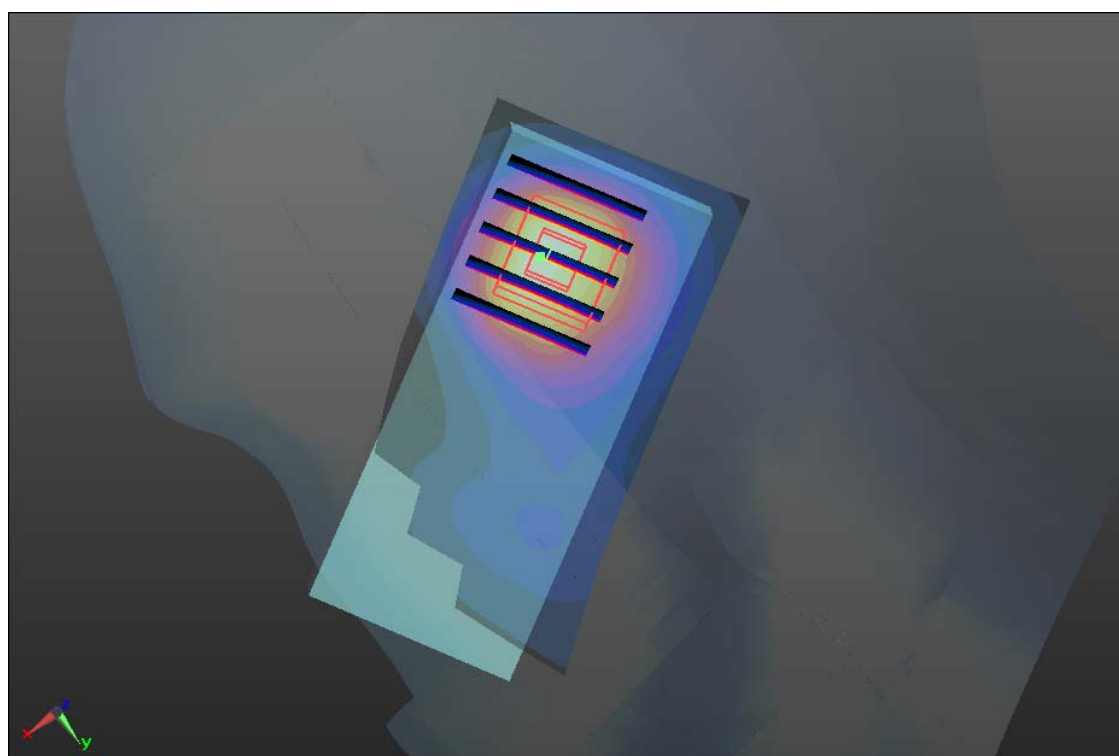
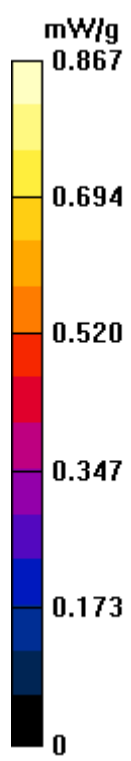
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $19.575$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $1.102$  W/kg

**SAR(1 g) =  $0.746$  mW/g; SAR(10 g) =  $0.452$  mW/g**

Maximum value of SAR (measured) =  $0.808$  mW/g



## **#07 WCDMA II\_RMC12.2K\_Left Cheek\_Ch9262**

### **DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r =$

40.687;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.001 mW/g

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

Reference Value = 14.376 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.367 W/kg

**SAR(1 g) = 0.929 mW/g; SAR(10 g) = 0.586 mW/g**

Maximum value of SAR (measured) = 0.995 mW/g

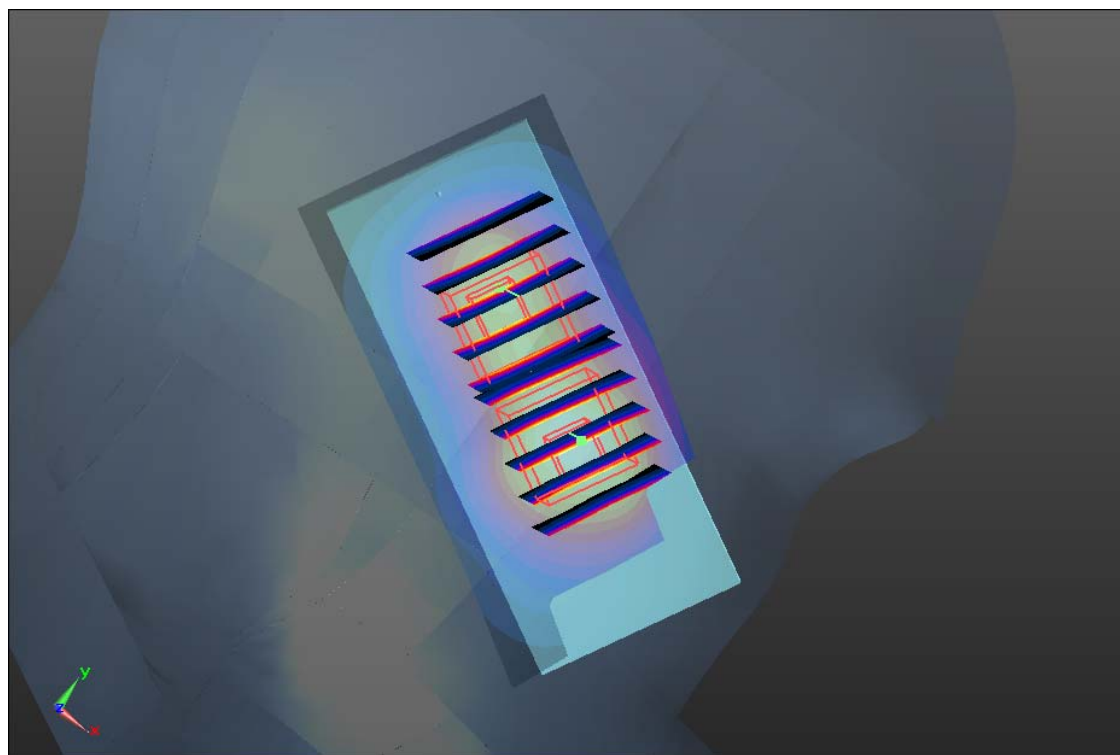
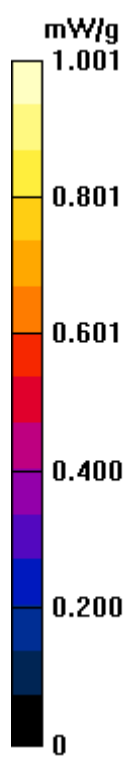
**Ch9262/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.376 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.175 W/kg

**SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.544 mW/g**

Maximum value of SAR (measured) = 0.910 mW/g



**#08 WCDMA II\_RMC12.2K\_Left Tilted\_Ch9262**

**DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.371$  mho/m;  $\epsilon_r =$

$40.687$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (41x81x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.930$  mW/g

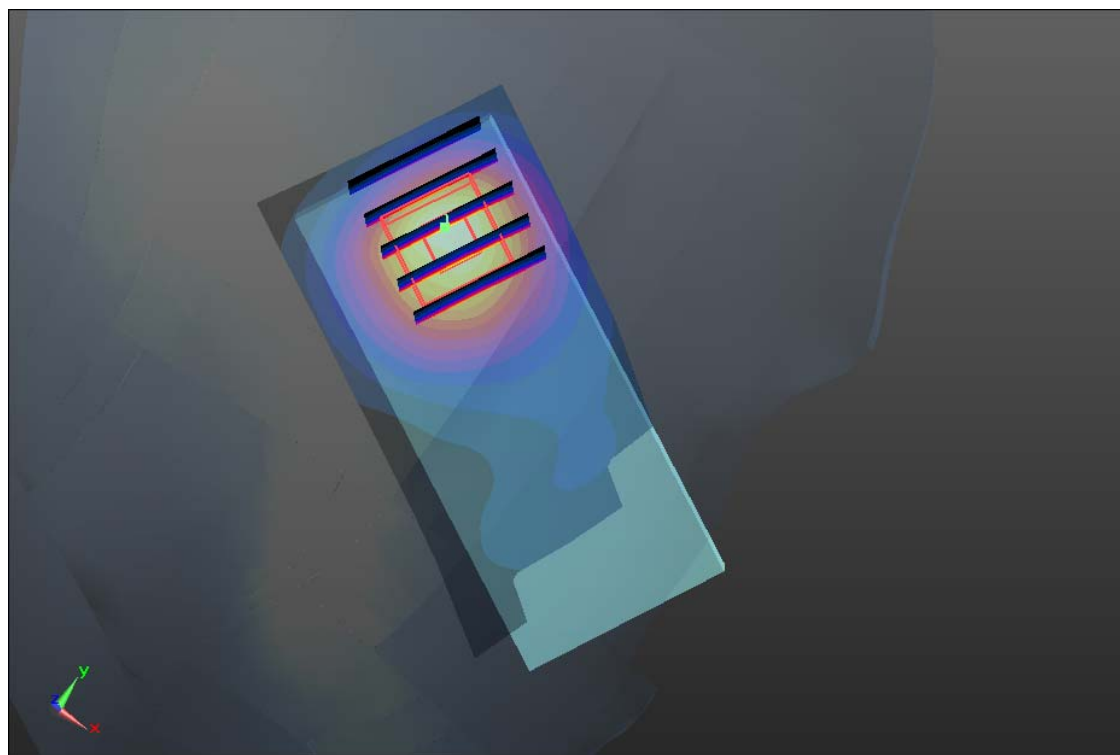
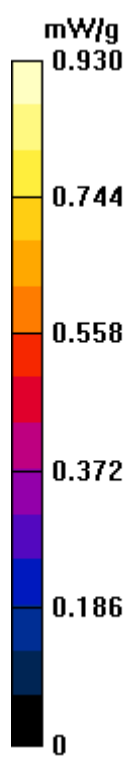
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $21.218$  V/m; Power Drift =  $0.03$  dB

Peak SAR (extrapolated) =  $1.183$  W/kg

**SAR(1 g) =  $0.788$  mW/g; SAR(10 g) =  $0.477$  mW/g**

Maximum value of SAR (measured) =  $0.849$  mW/g



**#09 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9400**

**DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.397$  mho/m;  $\epsilon_r =$

40.608;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9400/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.570 mW/g

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

Reference Value = 15.752 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 2.209 W/kg

**SAR(1 g) = 1.43 mW/g; SAR(10 g) = 0.855 mW/g**

Maximum value of SAR (measured) = 1.536 mW/g

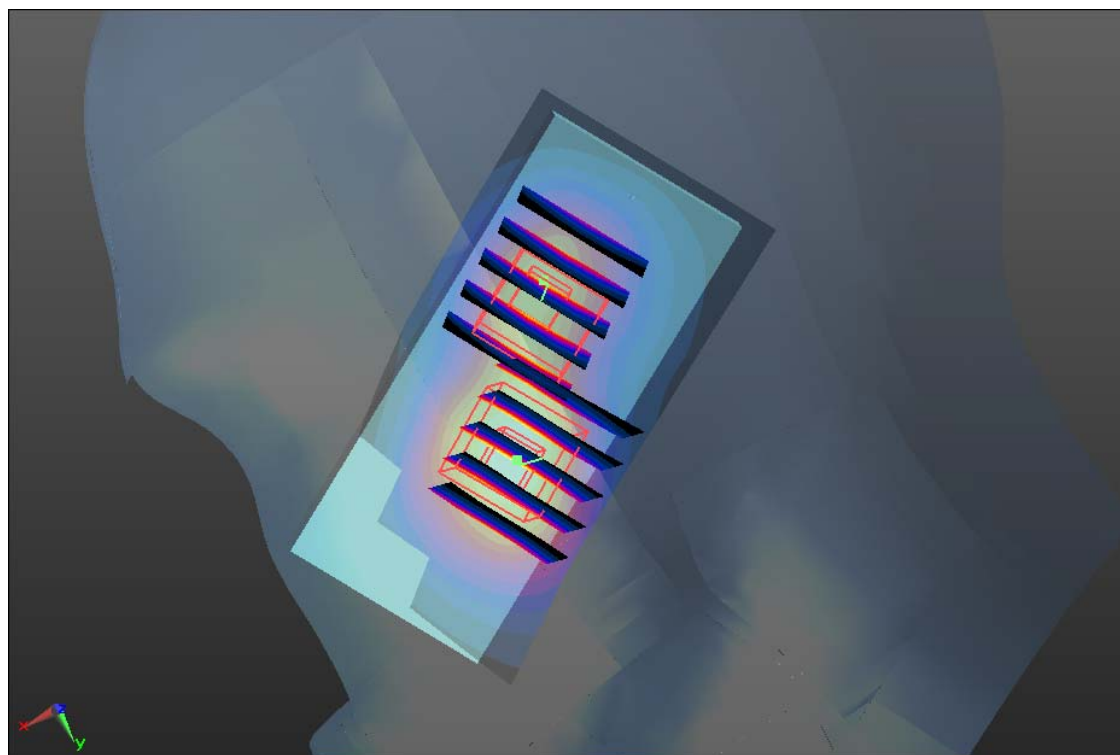
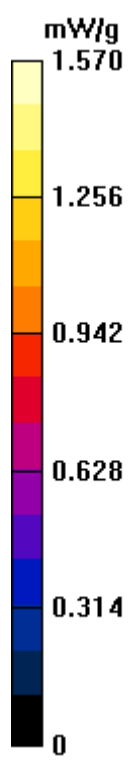
**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.752 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.625 W/kg

**SAR(1 g) = 1.15 mW/g; SAR(10 g) = 0.720 mW/g**

Maximum value of SAR (measured) = 1.244 mW/g



## **#10 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9538**

### **DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.423$  mho/m;  $\epsilon_r =$

40.497;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.372 mW/g

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

Reference Value = 14.205 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.343 W/kg

**SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.882 mW/g**

Maximum value of SAR (measured) = 1.622 mW/g

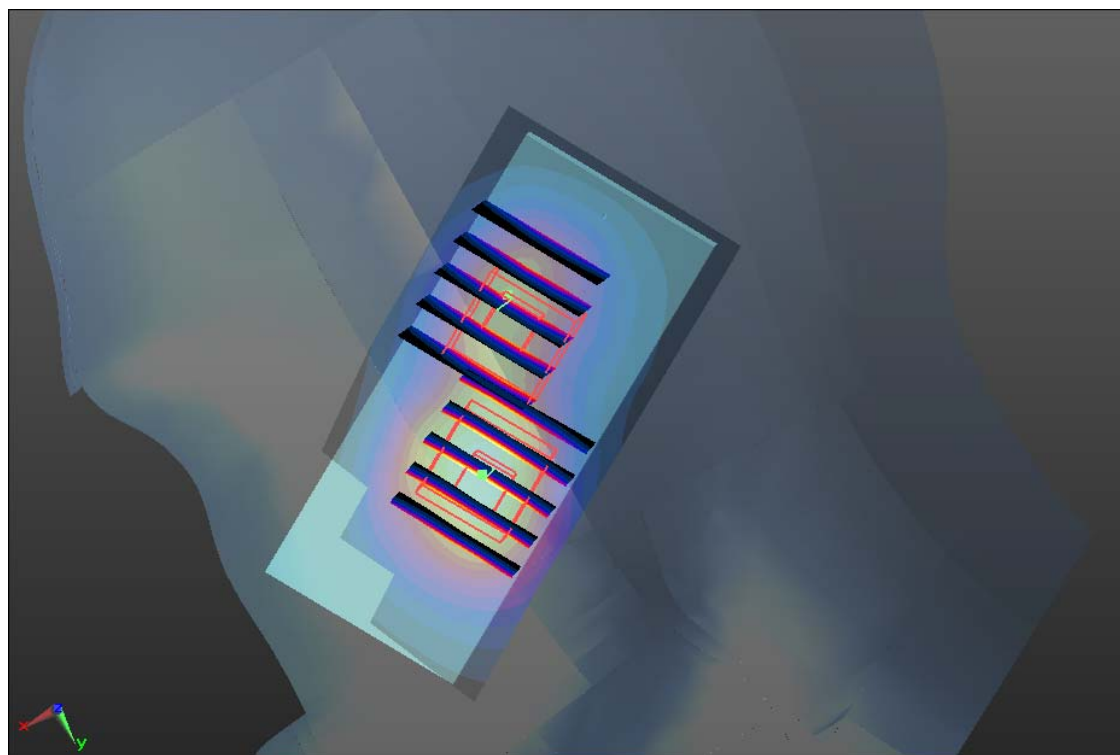
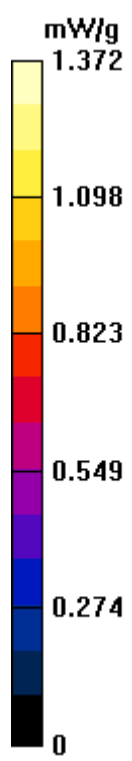
**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.205 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.408 W/kg

**SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.605 mW/g**

Maximum value of SAR (measured) = 1.028 mW/g



## **#10 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9538\_2D**

### **DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.423$  mho/m;  $\epsilon_r =$

40.497;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.372 mW/g

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

Reference Value = 14.205 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 2.343 W/kg

**SAR(1 g) = 1.49 mW/g; SAR(10 g) = 0.882 mW/g**

Maximum value of SAR (measured) = 1.622 mW/g

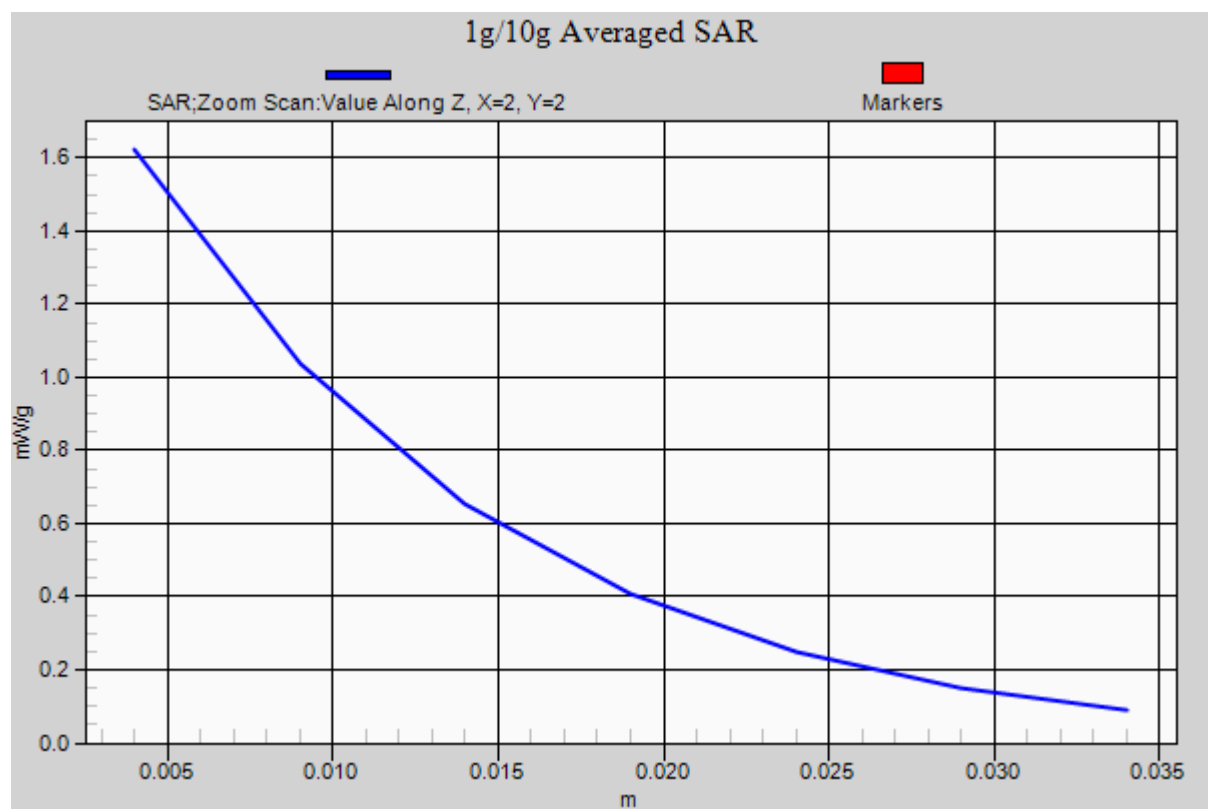
**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.205 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.408 W/kg

**SAR(1 g) = 0.969 mW/g; SAR(10 g) = 0.605 mW/g**

Maximum value of SAR (measured) = 1.028 mW/g



## **#11 WCDMA II\_RMC12.2K\_Left Cheek\_Ch9400**

### **DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.397$  mho/m;  $\epsilon_r = 40.608$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9400/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.087 mW/g

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

Reference Value = 14.221 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.407 W/kg

**SAR(1 g) = 0.955 mW/g; SAR(10 g) = 0.594 mW/g**

Maximum value of SAR (measured) = 1.028 mW/g

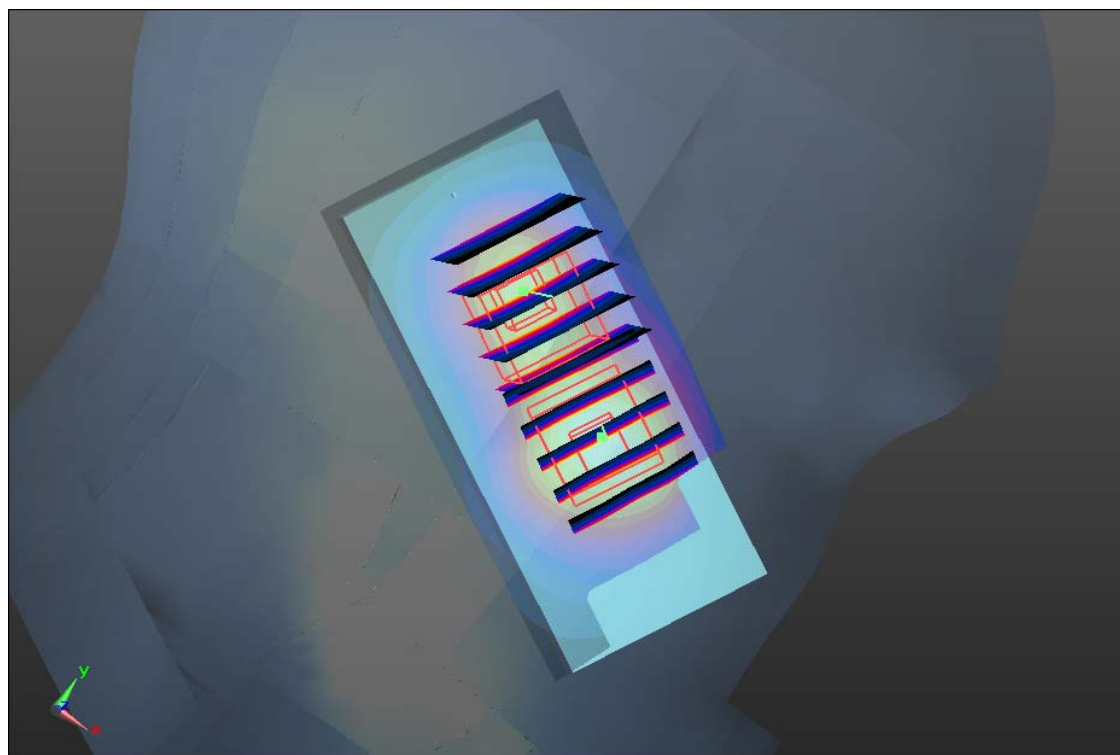
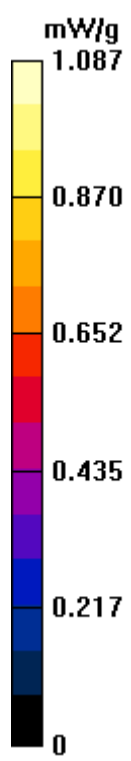
**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.221 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.183 W/kg

**SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.531 mW/g**

Maximum value of SAR (measured) = 0.920 mW/g



## **#12 WCDMA II\_RMC12.2K\_Left Cheek\_Ch9538**

### **DUT: 1O1401**

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

Medium: HSL\_1900\_111024 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.423$  mho/m;  $\epsilon_r =$

40.497;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(5.03, 5.03, 5.03); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (41x81x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.935 mW/g

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

Reference Value = 12.535 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.431 W/kg

**SAR(1 g) = 0.958 mW/g; SAR(10 g) = 0.590 mW/g**

Maximum value of SAR (measured) = 1.030 mW/g

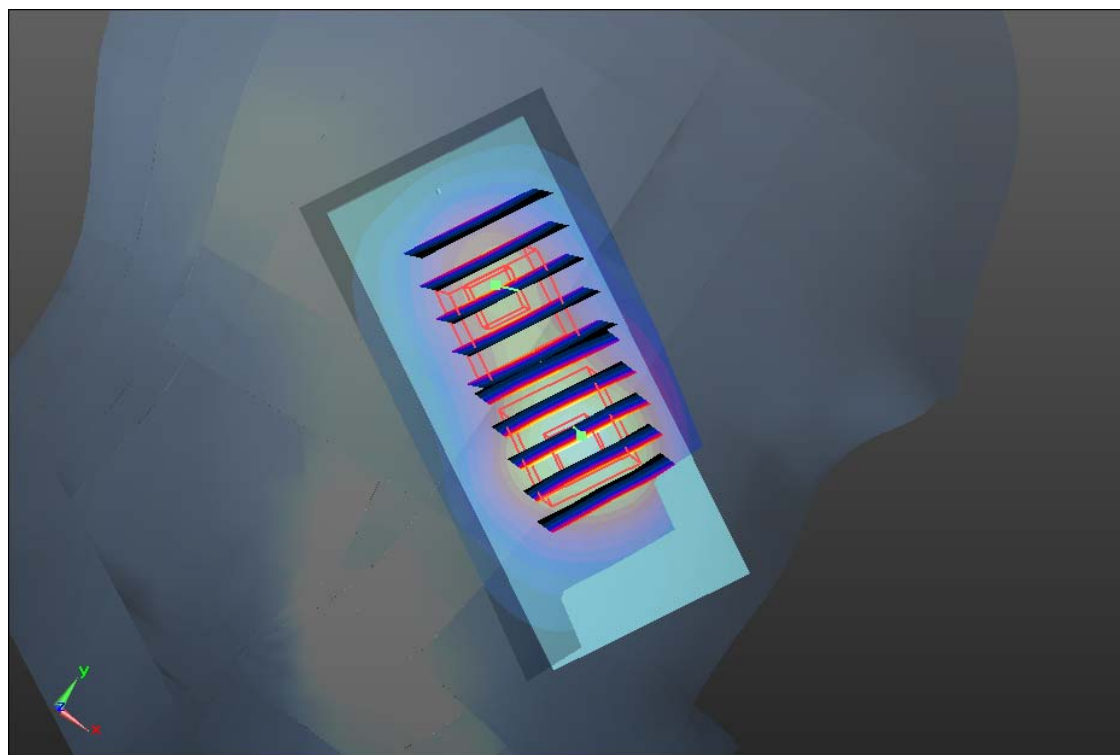
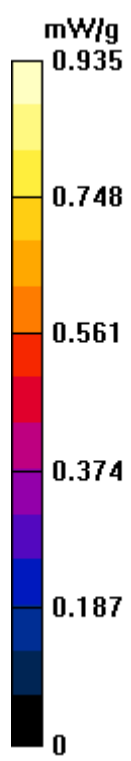
**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.535 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.947 W/kg

**SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.417 mW/g**

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



**#29 GSM850\_GPRS12\_Face\_1.5cm\_Ch251**

**DUT: 1O1401**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_111025 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.987$  mho/m;  $\epsilon_r = 54.078$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.320 mW/g

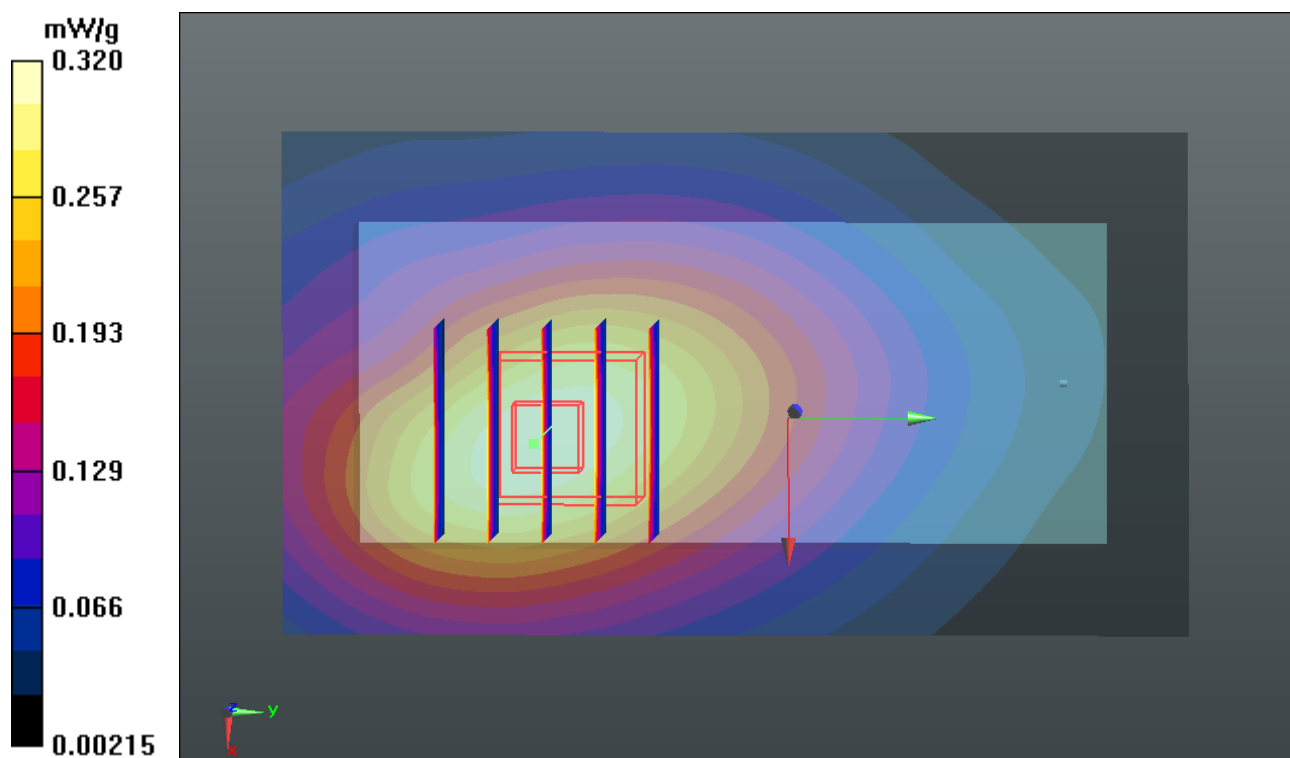
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.149 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.382 W/kg

**SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.209 mW/g**

Maximum value of SAR (measured) = 0.317 mW/g



**#30 GSM850\_GPRS12\_Bottom\_1.5cm\_Ch251**

**DUT: 1O1401**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_111025 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.987$  mho/m;  $\epsilon_r = 54.078$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.648 mW/g

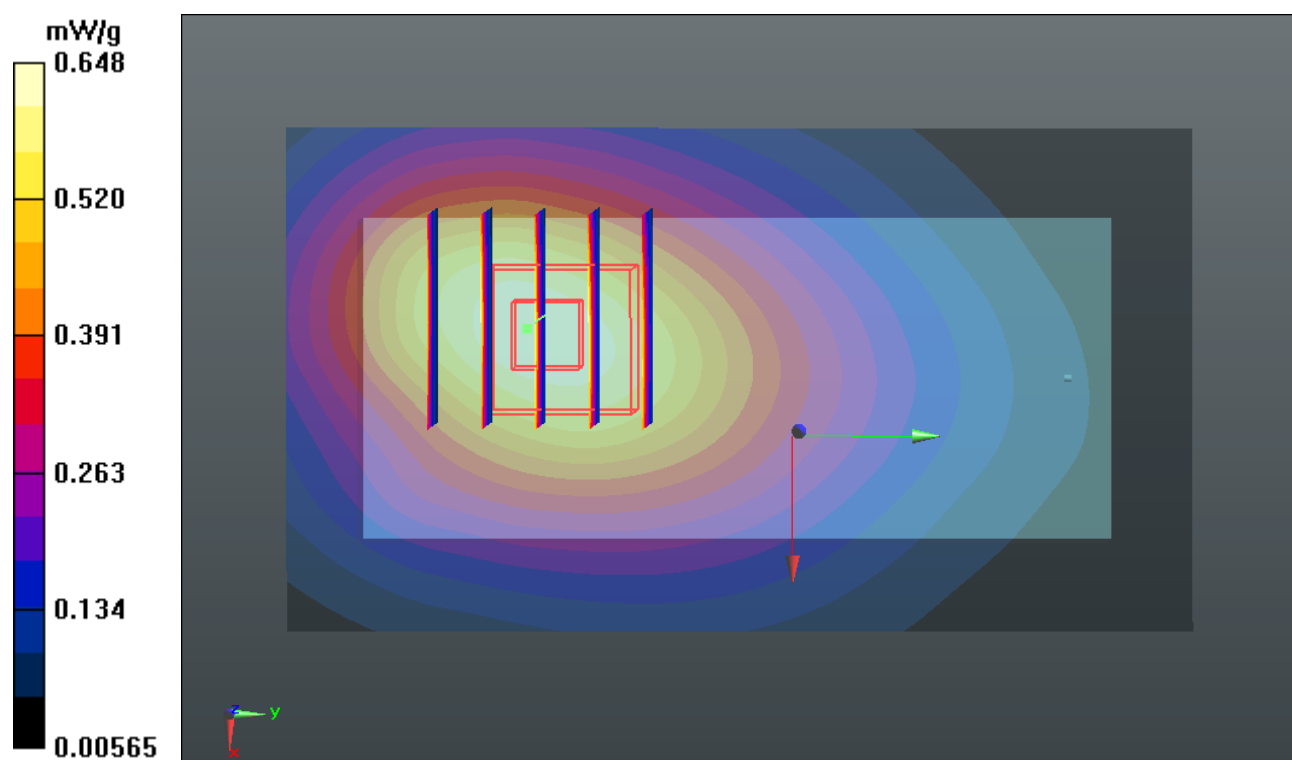
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.255 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.806 W/kg

**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.430 mW/g**

Maximum value of SAR (measured) = 0.654 mW/g



**#30 GSM850\_GPRS12\_Bottom\_1.5cm\_Ch251\_2D**

**DUT: 1O1401**

Communication System: GPRS/EDGE 12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_111025 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.987$  mho/m;  $\epsilon_r = 54.078$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch251/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.648 mW/g

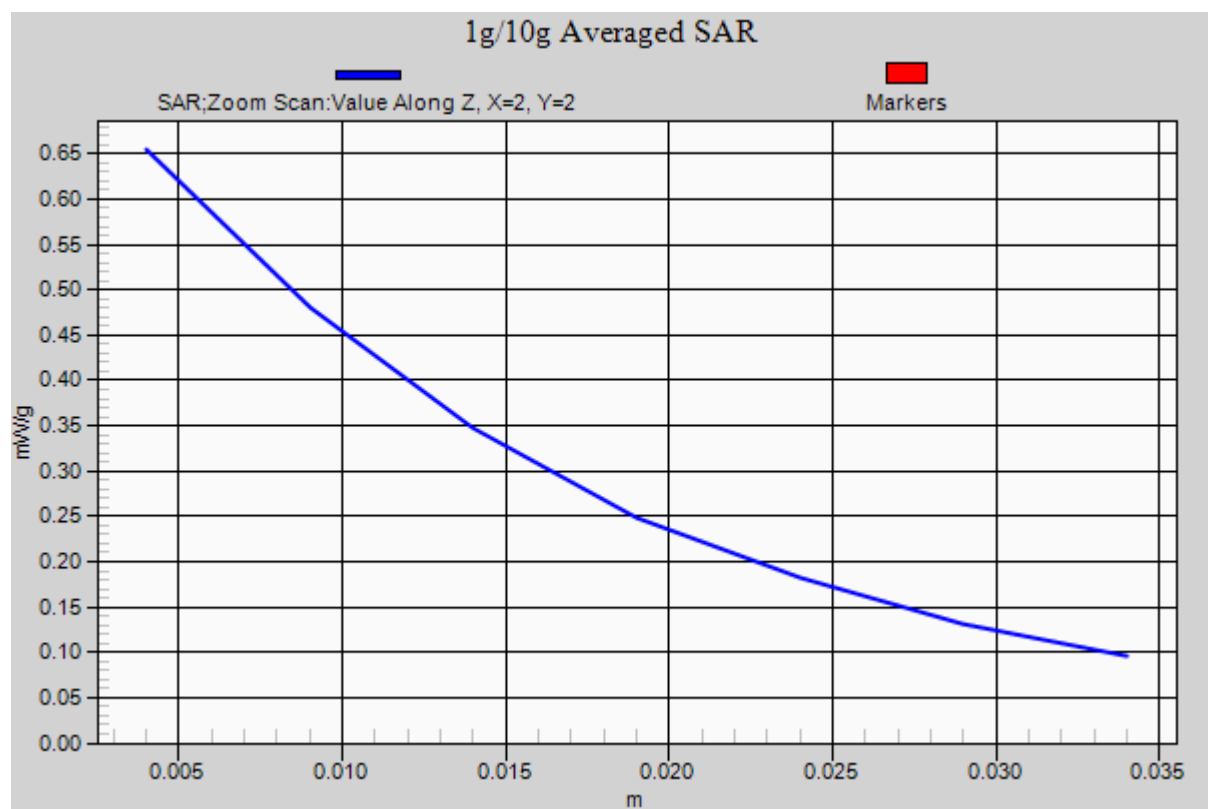
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.255 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.806 W/kg

**SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.430 mW/g**

Maximum value of SAR (measured) = 0.654 mW/g



## #27 GSM1900\_GPRS12\_Face\_1.5cm\_Ch512

### DUT: 1O1401

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.464$  mho/m;  $\epsilon_r =$

$54.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.3$  °C; Liquid Temperature :  $21.3$  °C

#### DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (51x91x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.293$  mW/g

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

Reference Value =  $10.011$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $0.372$  W/kg

**SAR(1 g) =  $0.263$  mW/g; SAR(10 g) =  $0.170$  mW/g**

Maximum value of SAR (measured) =  $0.283$  mW/g

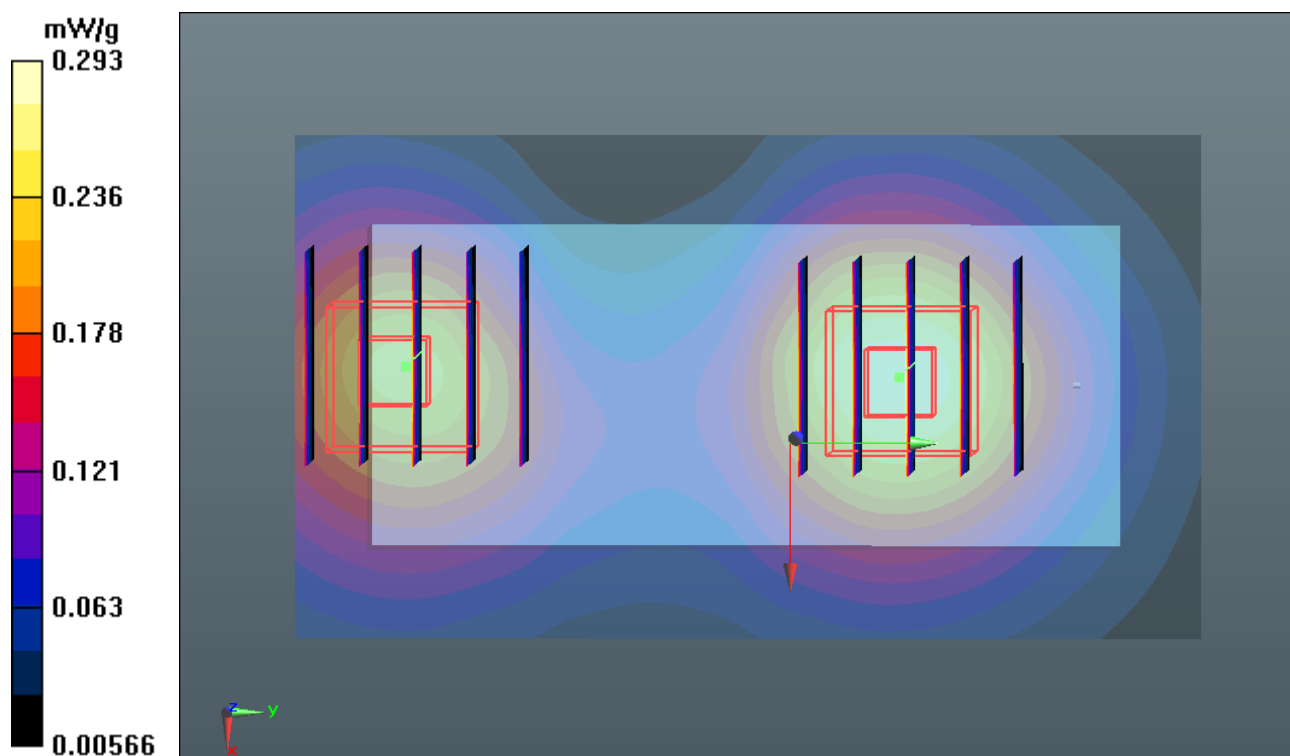
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $10.011$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $0.344$  W/kg

**SAR(1 g) =  $0.222$  mW/g; SAR(10 g) =  $0.138$  mW/g**

Maximum value of SAR (measured) =  $0.238$  mW/g



**#28 GSM1900\_GPRS12\_Bottom\_1.5cm\_Ch512**

**DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.464$  mho/m;  $\epsilon_r =$

$54.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.3$  °C; Liquid Temperature :  $21.3$  °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (51x91x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.616$  mW/g

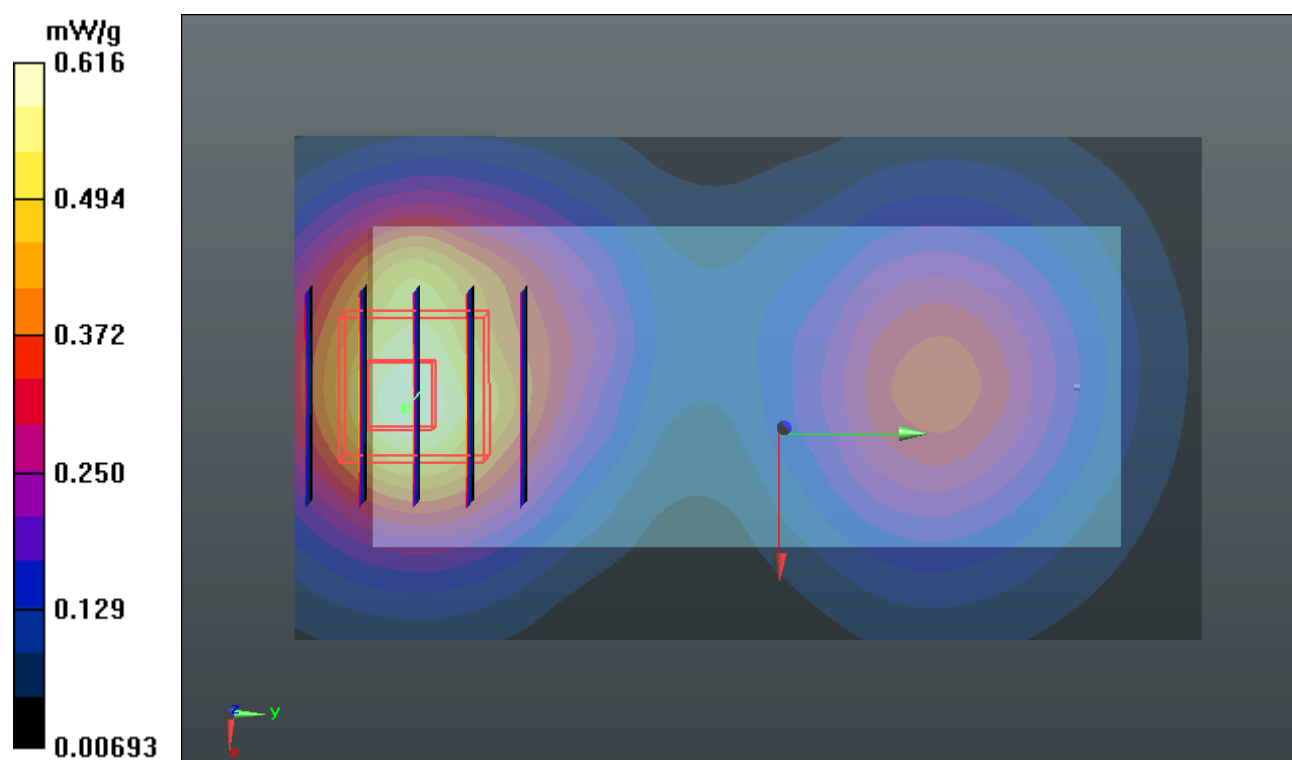
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $8.697$  V/m; Power Drift =  $0.07$  dB

Peak SAR (extrapolated) =  $0.834$  W/kg

**SAR(1 g) =  $0.546$  mW/g; SAR(10 g) =  $0.330$  mW/g**

Maximum value of SAR (measured) =  $0.597$  mW/g



**#28 GSM1900\_GPRS12\_Bottom\_1.5cm\_Ch512\_2D**

**DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.464$  mho/m;  $\epsilon_r =$

$54.607$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.3$  °C; Liquid Temperature :  $21.3$  °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch512/Area Scan (51x91x1):** Measurement grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.616$  mW/g

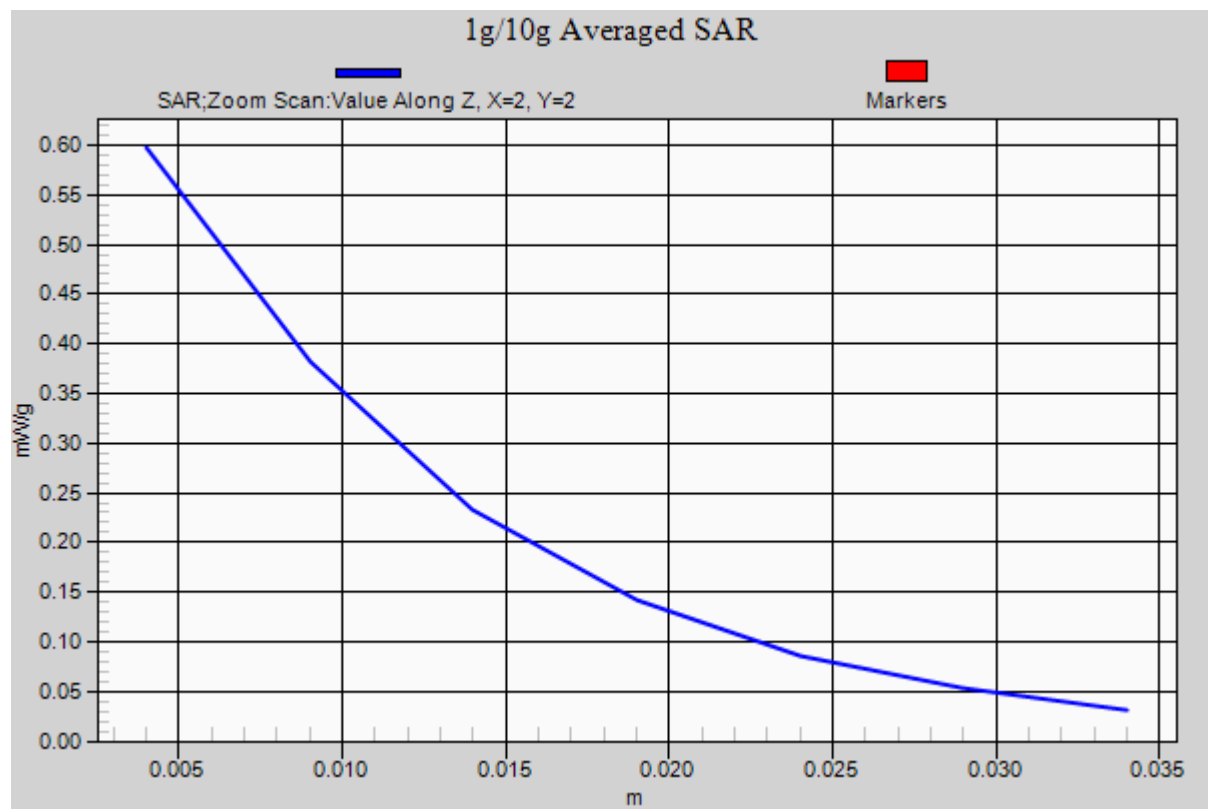
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $8.697$  V/m; Power Drift =  $0.07$  dB

Peak SAR (extrapolated) =  $0.834$  W/kg

**SAR(1 g) =  $0.546$  mW/g; SAR(10 g) =  $0.330$  mW/g**

Maximum value of SAR (measured) =  $0.597$  mW/g



**#31 WCDMA V\_RMC12.2K\_Face\_1.5cm\_Ch4233**

**DUT: 1O1401**

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

Medium: MSL\_835\_111025 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 54.097$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.226 mW/g

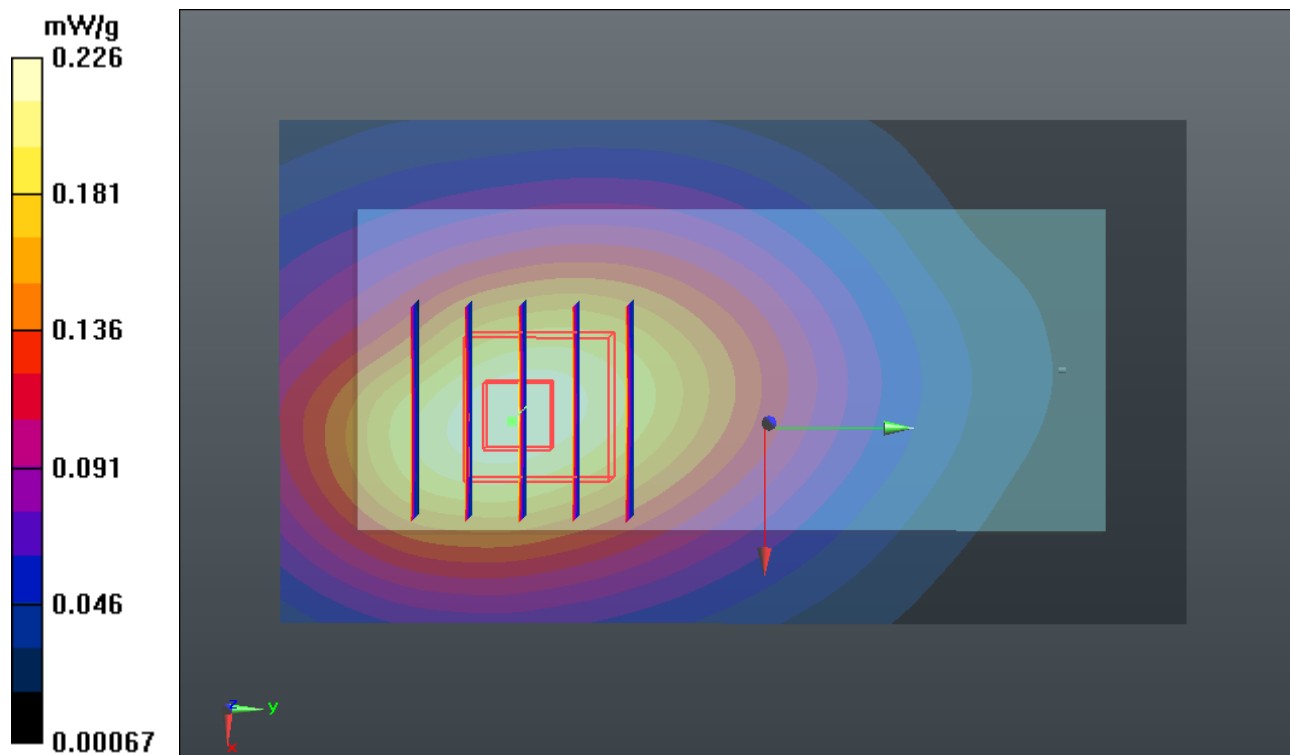
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.047 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.262 W/kg

**SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.144 mW/g**

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



**#32 WCDMA V\_RMC12.2K\_Bottom\_1.5cm\_Ch4233**

**DUT: 1O1401**

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

Medium: MSL\_835\_111025 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 54.097$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.508 mW/g

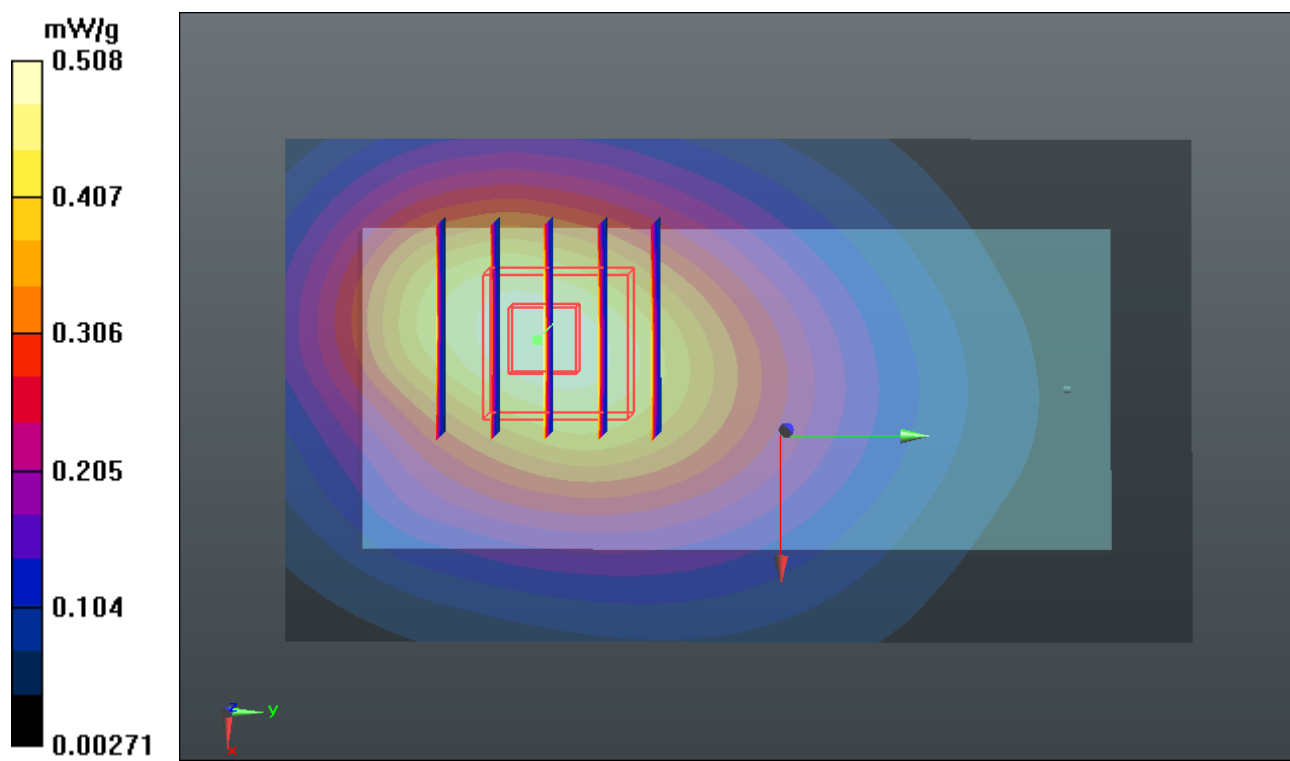
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.215 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.622 W/kg

**SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.332 mW/g**

Maximum value of SAR (measured) = 0.510 mW/g



**#32 WCDMA V\_RMC12.2K\_Bottom\_1.5cm\_Ch4233\_2D**

**DUT: 1O1401**

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

Medium: MSL\_835\_111025 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.985$  mho/m;  $\epsilon_r = 54.097$ ;

$\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: ET3DV6 - SN1787; ConvF(6.22, 6.22, 6.22); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch4233/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.508 mW/g

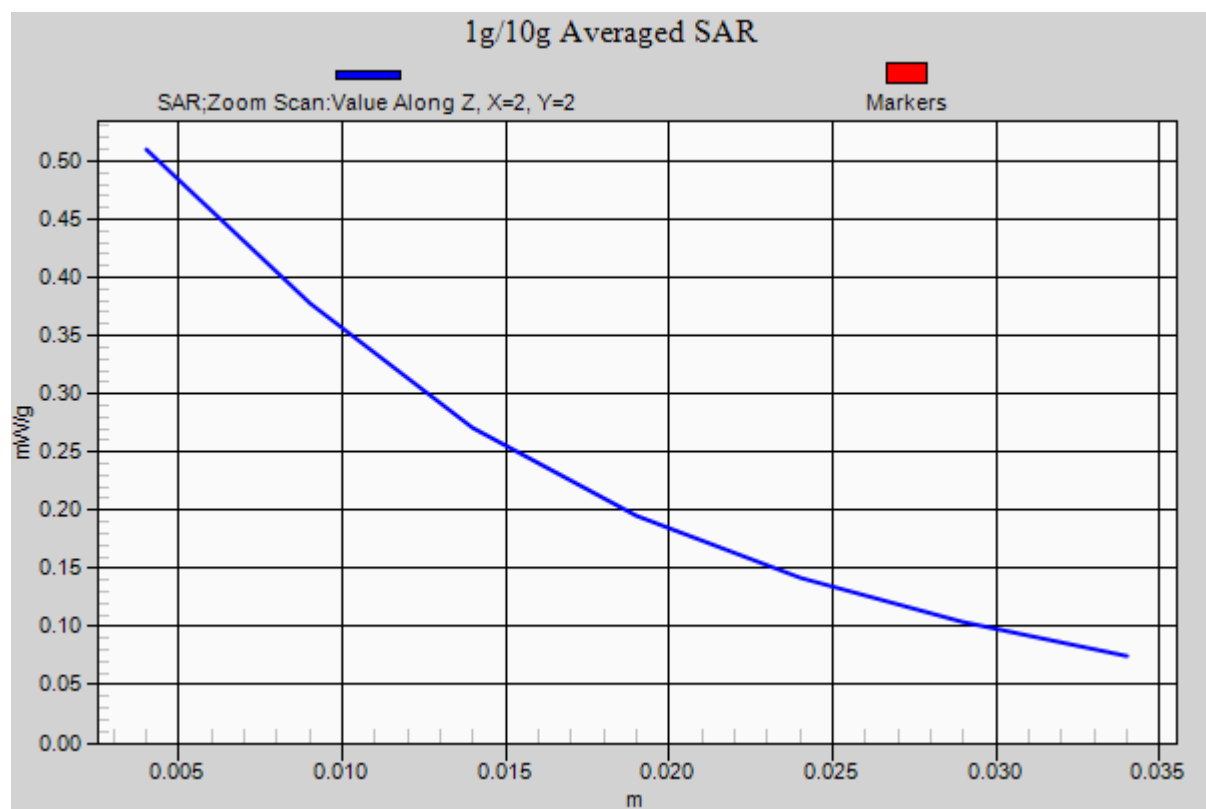
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.215 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.622 W/kg

**SAR(1 g) = 0.475 mW/g; SAR(10 g) = 0.332 mW/g**

Maximum value of SAR (measured) = 0.510 mW/g



## **#23 WCDMA II\_RMC12.2K\_Face\_1.5cm\_Ch9262**

### **DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r =$

54.6;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

#### **DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.591 mW/g

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

Reference Value = 11.658 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.728 W/kg

**SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.327 mW/g**

Maximum value of SAR (measured) = 0.547 mW/g

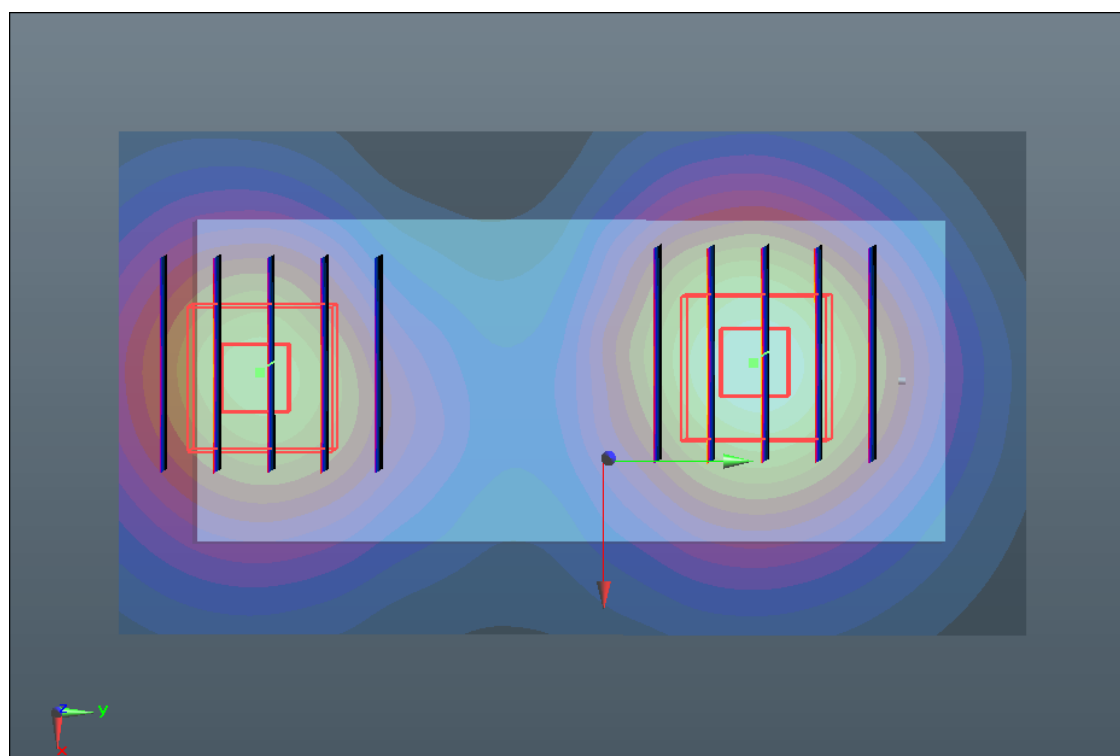
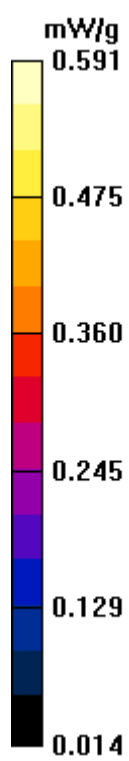
**Ch9262/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.658 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.644 W/kg

**SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.266 mW/g**

Maximum value of SAR (measured) = 0.455 mW/g



**#24 WCDMA II\_RMC12.2K\_Bottom\_1.5cm\_Ch9262**

**DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r =$

54.6;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.098 mW/g

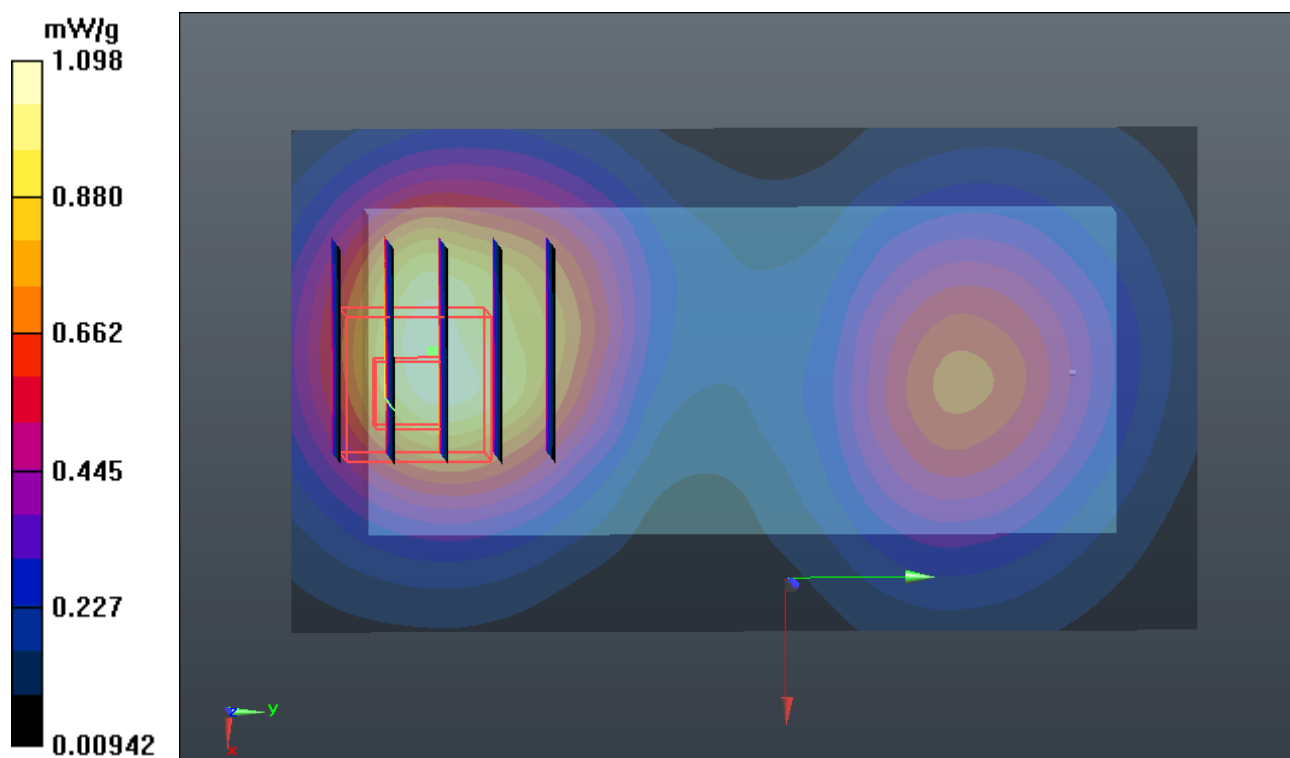
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.299 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.327 W/kg

**SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.518 mW/g**

Maximum value of SAR (measured) = 0.930 mW/g



**#24 WCDMA II\_RMC12.2K\_Bottom\_1.5cm\_Ch9262\_2D**

**DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.467$  mho/m;  $\epsilon_r =$

54.6;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9262/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.098 mW/g

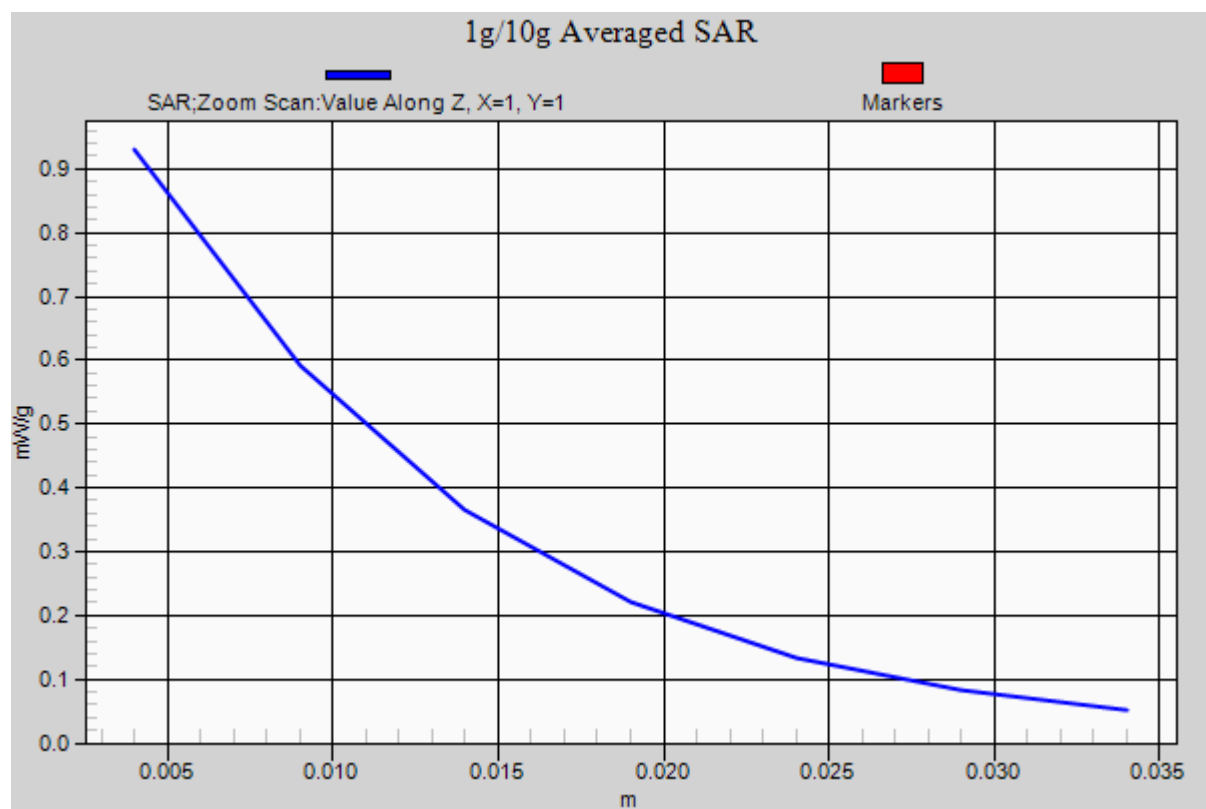
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.299 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.327 W/kg

**SAR(1 g) = 0.861 mW/g; SAR(10 g) = 0.518 mW/g**

Maximum value of SAR (measured) = 0.930 mW/g



**#25 WCDMA II\_RMC12.2K\_Bottom\_1.5cm\_Ch9400**

**DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r =$

54.538;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9400/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.861 mW/g

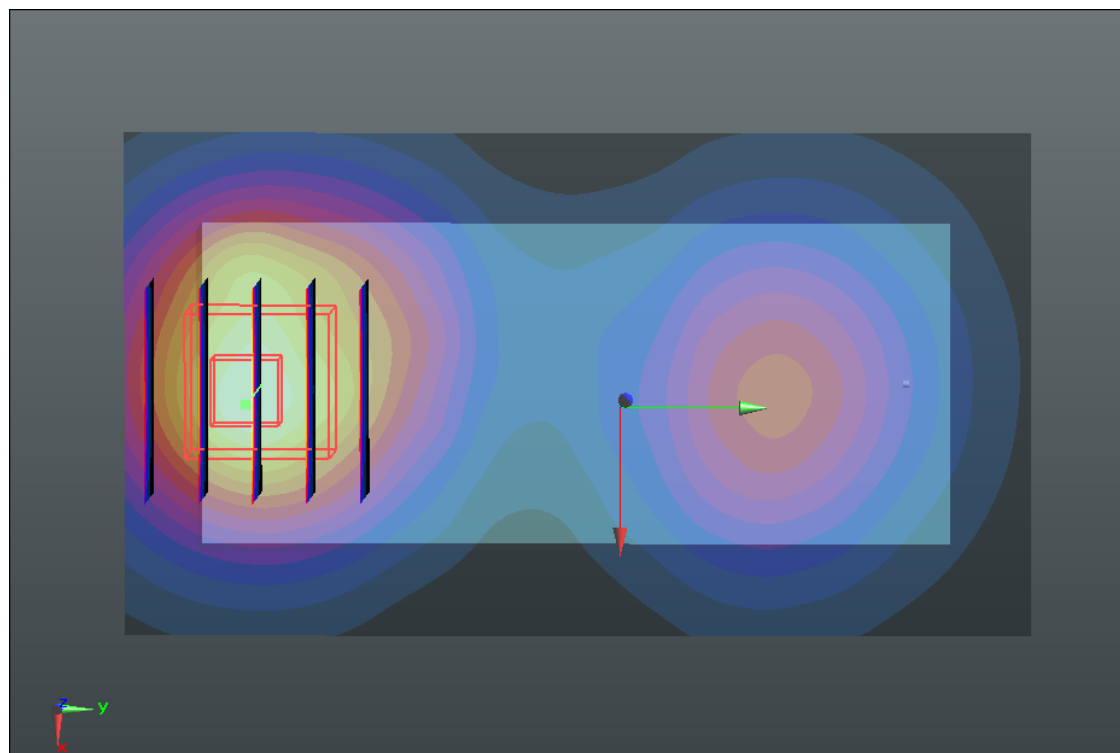
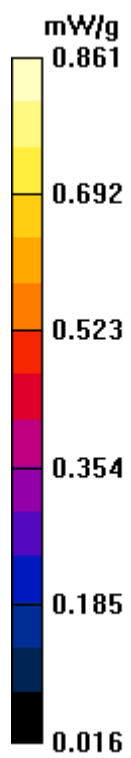
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.277 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.187 W/kg

**SAR(1 g) = 0.768 mW/g; SAR(10 g) = 0.466 mW/g**

Maximum value of SAR (measured) = 0.841 mW/g



**#26 WCDMA II\_RMC12.2K\_Bottom\_1.5cm\_Ch9538**

**DUT: 1O1401**

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

Medium: MSL\_1900\_111025 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.532$  mho/m;  $\epsilon_r =$

54.489;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: ET3DV6 - SN1787; ConvF(4.48, 4.48, 4.48); Calibrated: 2011-5-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2010-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.6 (2); SEMCAD X Version 14.4.5 (3634)

**Ch9538/Area Scan (51x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.783 mW/g

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

Reference Value = 10.839 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.115 W/kg

**SAR(1 g) = 0.698 mW/g; SAR(10 g) = 0.425 mW/g**

Maximum value of SAR (measured) = 0.755 mW/g

