



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

The plots are shown as follows.

## **#09 GSM850\_Right Cheek\_Ch251**

### **DUT: 1D2304**

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

Medium: HSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 41.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); 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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.371 mW/g

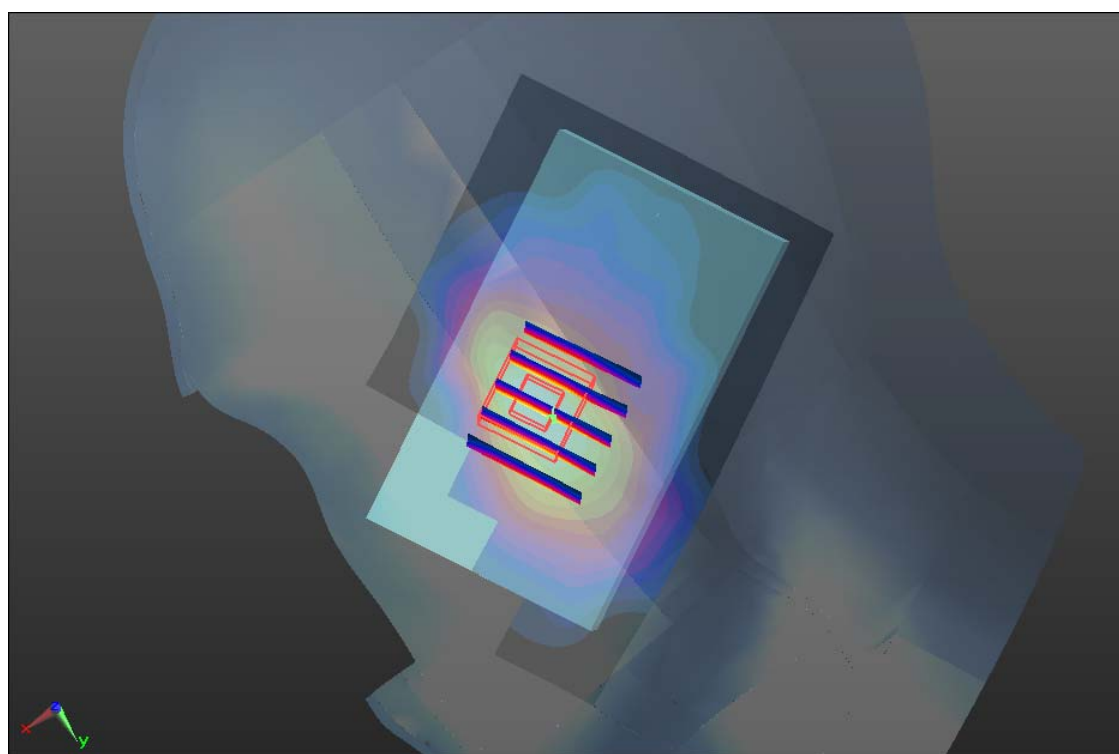
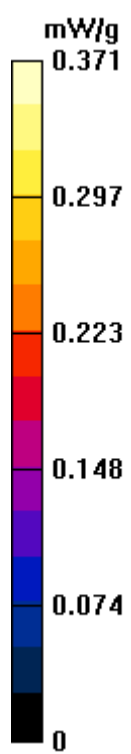
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.802 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.238 mW/g**

Maximum value of SAR (measured) = 0.356 mW/g



## **#09 GSM850\_Right Cheek\_Ch251\_2D**

### **DUT: 1D2304**

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

Medium: HSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 41.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); 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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.371 mW/g

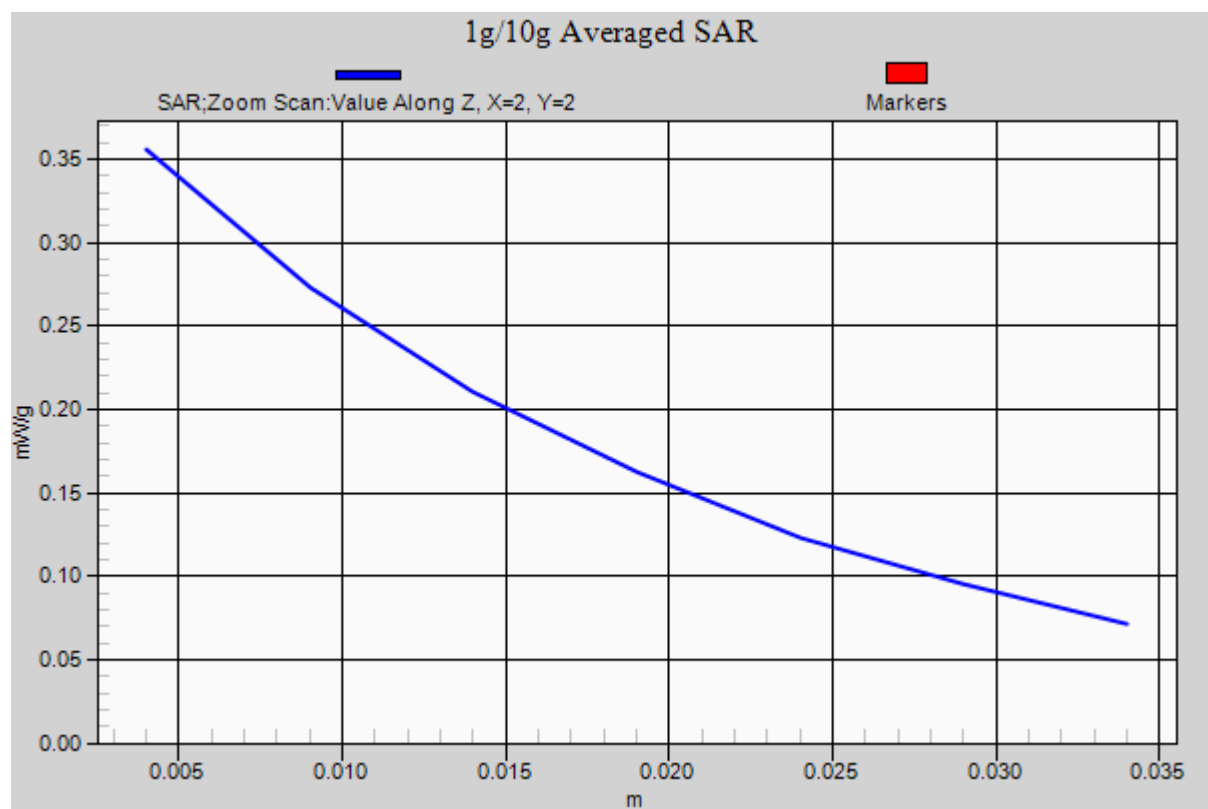
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.802 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.440 W/kg

**SAR(1 g) = 0.337 mW/g; SAR(10 g) = 0.238 mW/g**

Maximum value of SAR (measured) = 0.356 mW/g



## **#10 GSM850\_Right Tilted\_Ch251**

### **DUT: 1D2304**

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

Medium: HSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 41.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); 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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.209 mW/g

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

Reference Value = 9.544 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.291 W/kg

**SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.173 mW/g**

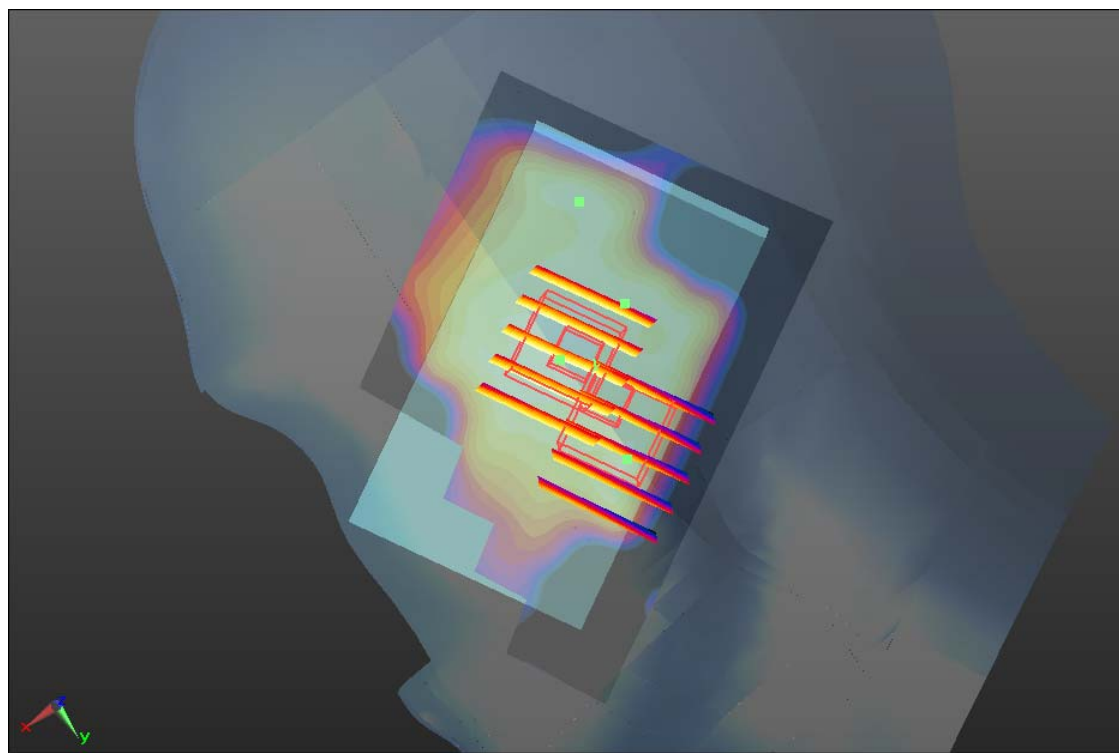
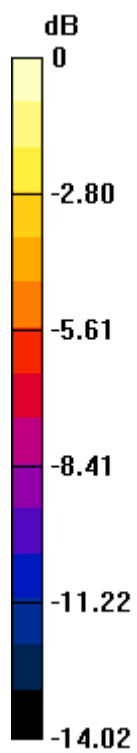
Maximum value of SAR (measured) = 0.235 mW/g

**Ch251/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.544 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.278 W/kg

**SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.125 mW/g**



0 dB = 0.230mW/g

## **#11 GSM850\_Left Cheek\_Ch251**

### **DUT: 1D2304**

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

Medium: HSL\_850\_111227 Medium parameters used:  $f = 849 \text{ MHz}$ ;  $\sigma = 0.92 \text{ mho/m}$ ;  $\epsilon_r = 41.646$ ;  $\rho = 1000 \text{ kg/m}^3$

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); 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)

**Ch251/Area Scan (61x91x1):** Measurement grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.300 \text{ mW/g}$

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

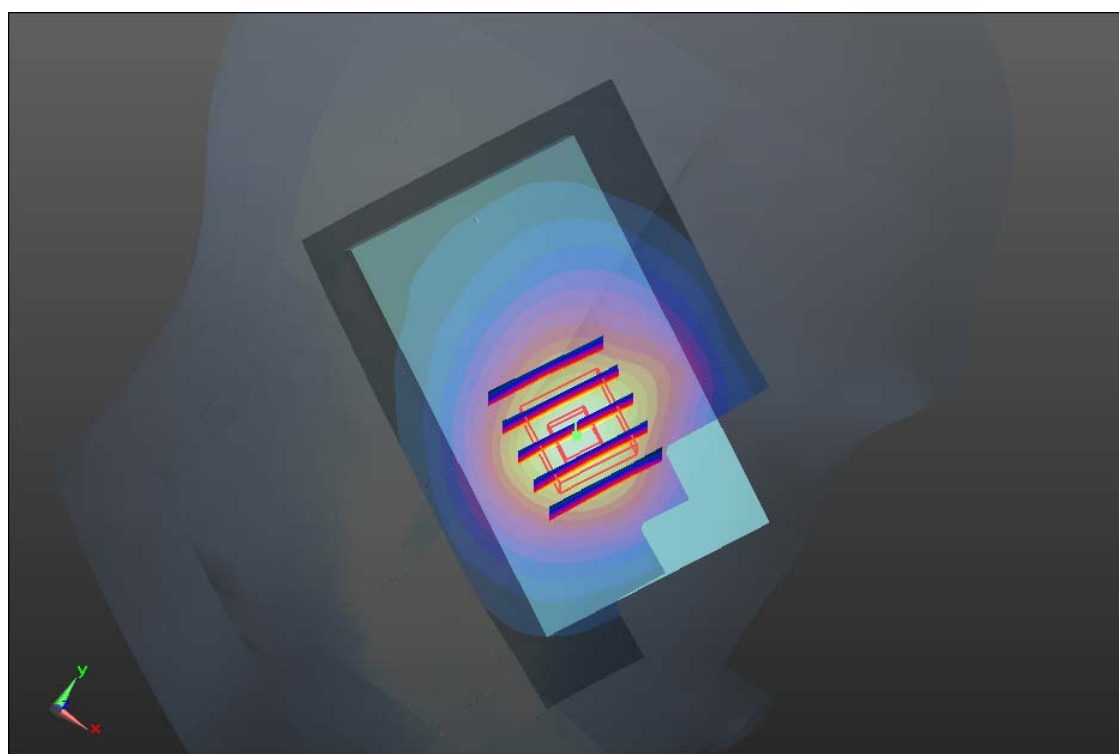
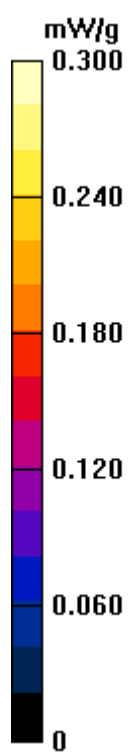
Reference Value =  $5.758 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $0.360 \text{ W/kg}$

**SAR(1 g) =  $0.285 \text{ mW/g}$ ; SAR(10 g) =  $0.208 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.301 \text{ mW/g}$





## **#12 GSM850\_Left Tilted\_Ch251**

### **DUT: 1D2304**

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

Medium: HSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 41.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(8.45, 8.45, 8.45); 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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.248 mW/g

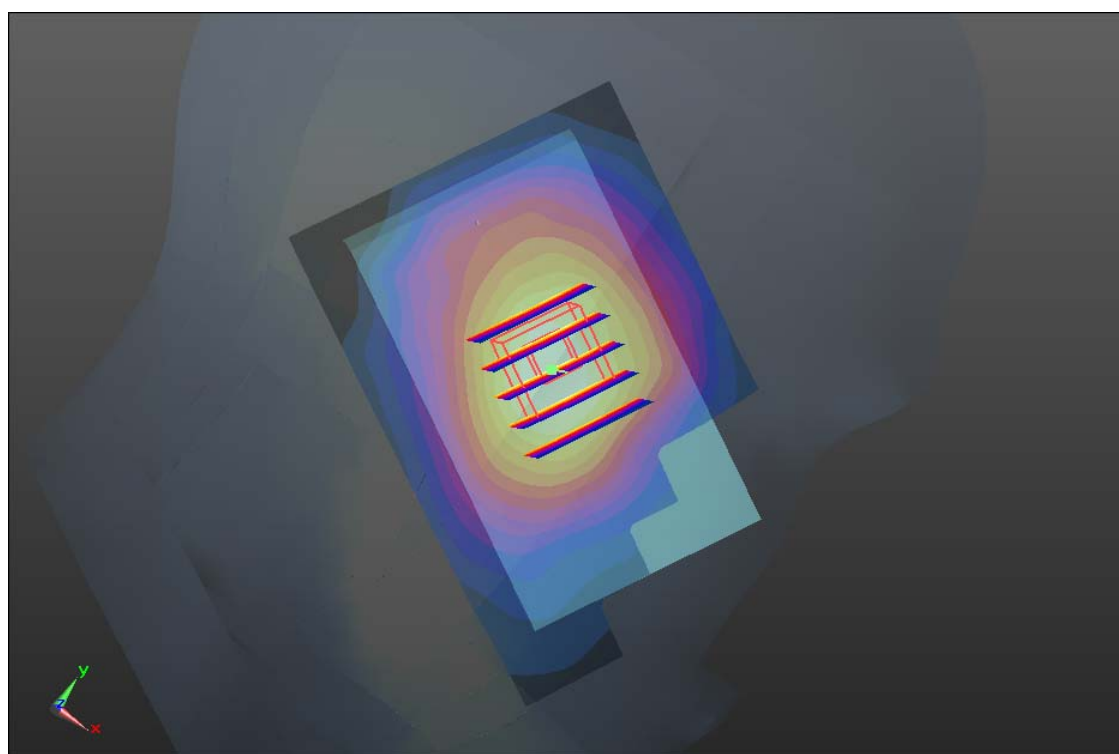
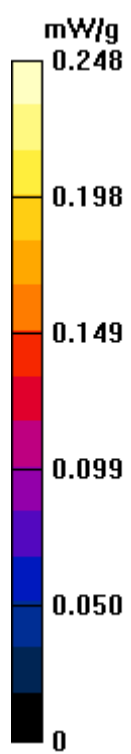
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.348 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.300 W/kg

**SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.250 mW/g



### **#03 GSM1900\_Right Cheek\_Ch661**

#### **DUT: 1D2304**

Communication System: General GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.6 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); 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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.352 mW/g

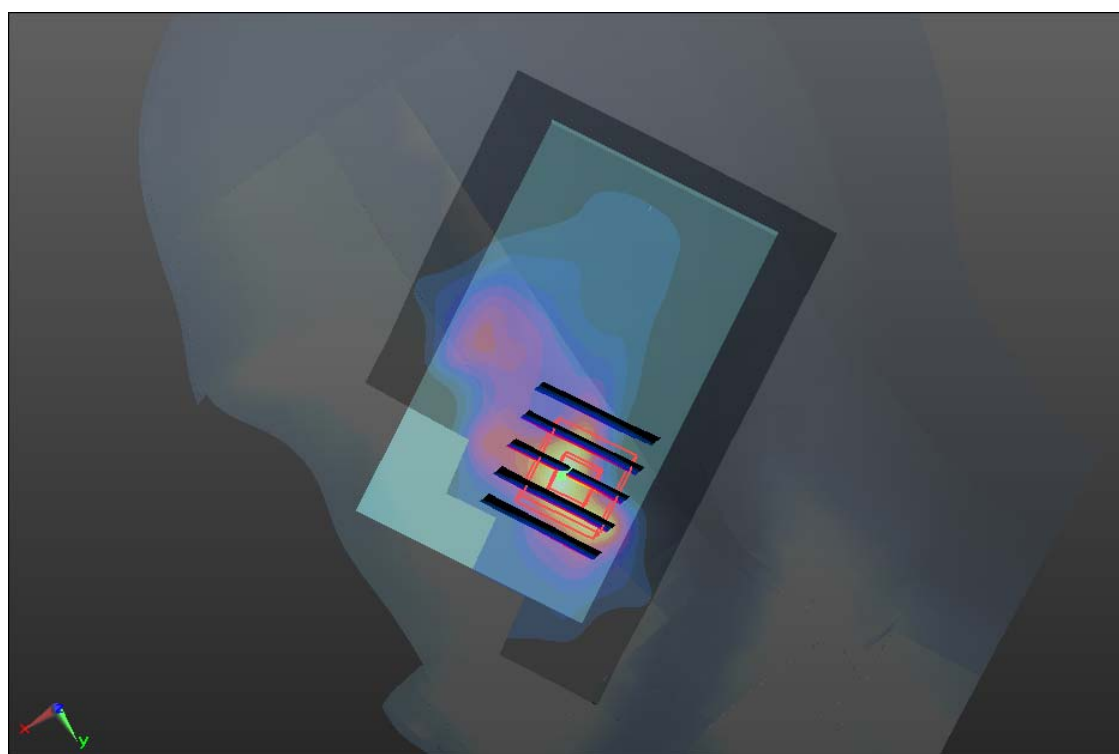
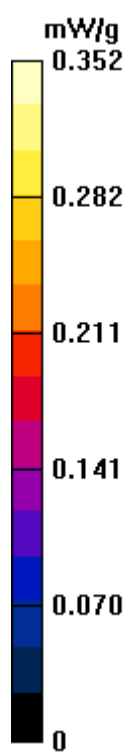
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.313 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.313 mW/g



**#03 GSM1900\_Right Cheek\_Ch661\_2D**

**DUT: 1D2304**

Communication System: General GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); 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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.352 mW/g

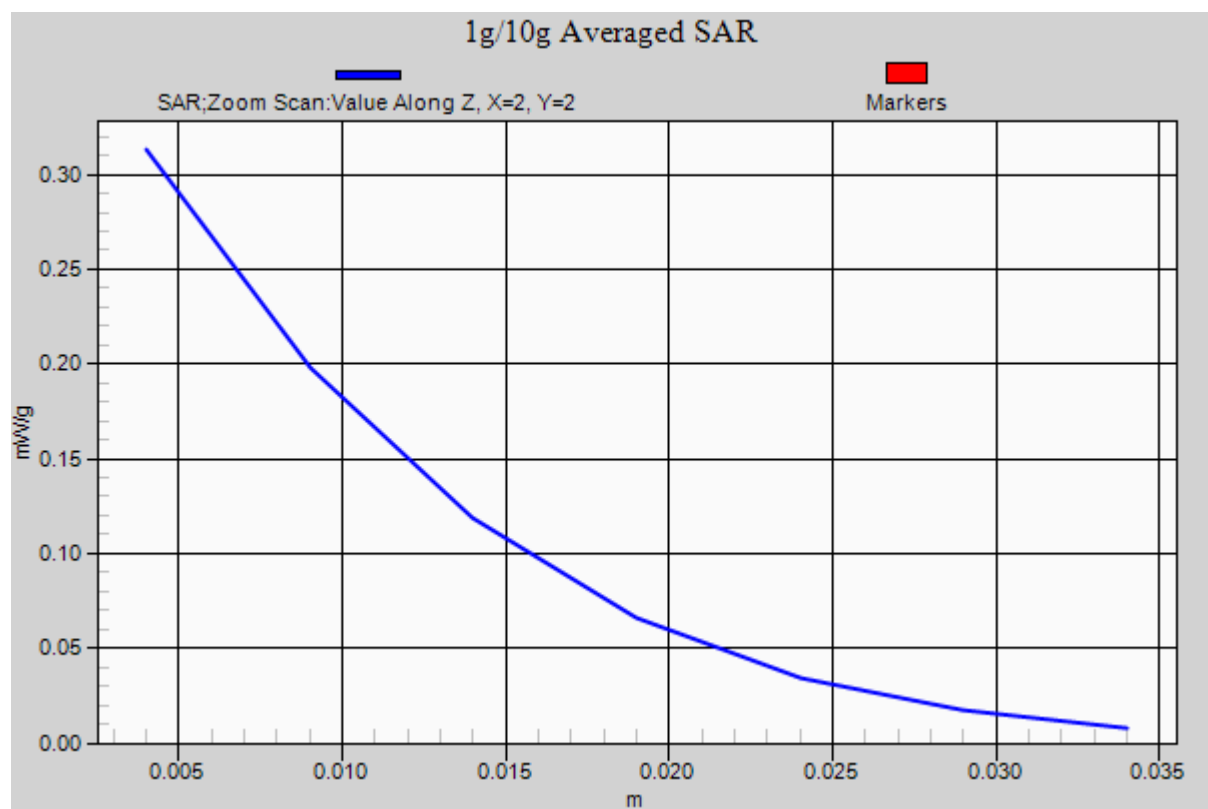
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.313 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.484 W/kg

**SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.148 mW/g**

Maximum value of SAR (measured) = 0.313 mW/g



## **#04 GSM1900\_Right Tilted\_Ch661**

### **DUT: 1D2304**

Communication System: General GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.6 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); 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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.139 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

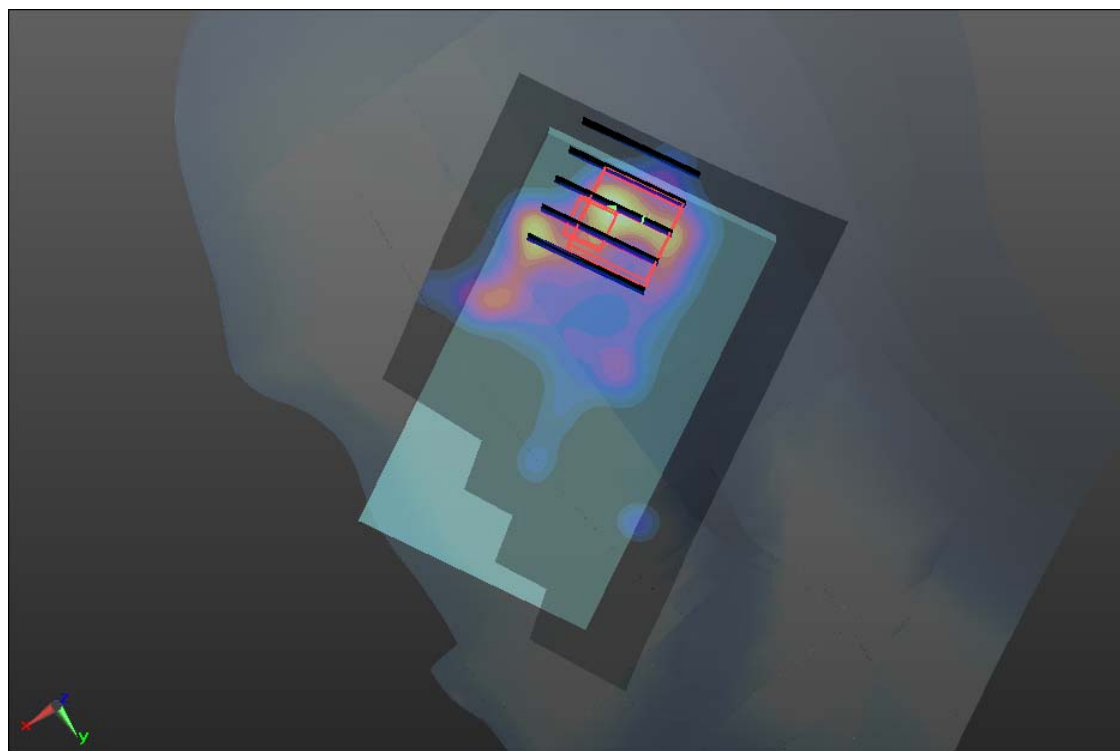
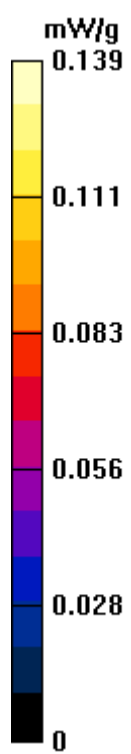
Reference Value = 7.176 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.426 W/kg

**SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.085 mW/g





## **#05 GSM1900\_Left Cheek\_Ch661**

### **DUT: 1D2304**

Communication System: General GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.6 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); 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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.192 mW/g

**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.476 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.192 mW/g; SAR(10 g) = 0.105 mW/g**

Maximum value of SAR (measured) = 0.225 mW/g

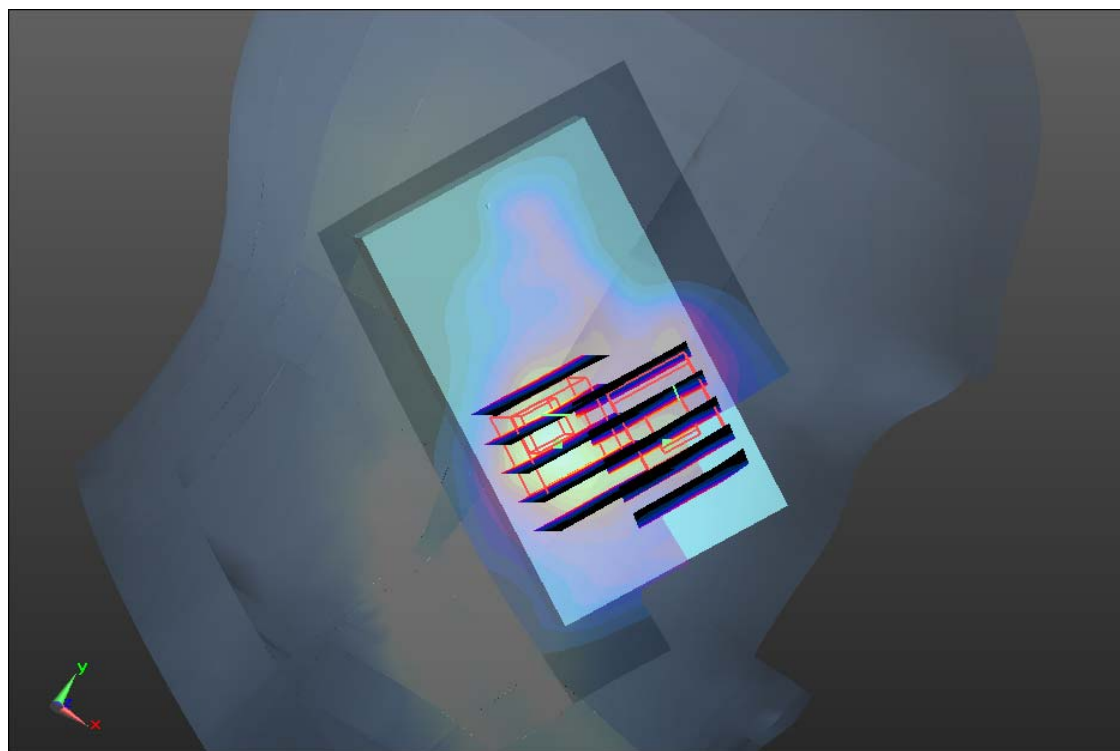
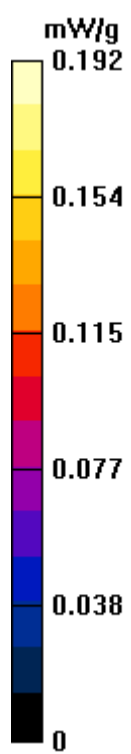
**Ch661/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.476 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.304 W/kg

**SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.078 mW/g**

Maximum value of SAR (measured) = 0.168 mW/g



## **#06 GSM1900\_Left Tilted\_Ch661**

### **DUT: 1D2304**

Communication System: General GSM; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: HSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.6 °C

#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3697; ConvF(7.46, 7.46, 7.46); 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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.094 mW/g

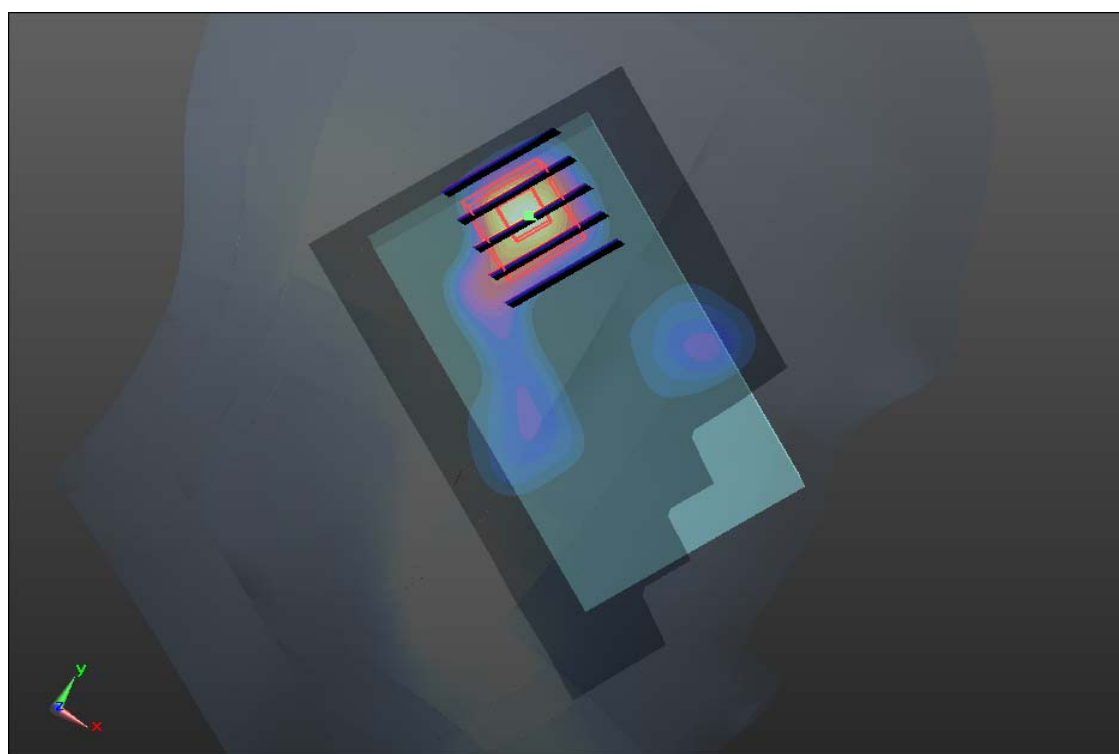
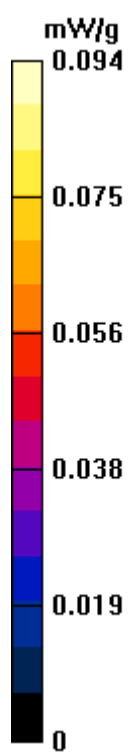
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.343 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.083 mW/g; SAR(10 g) = 0.040 mW/g**

Maximum value of SAR (measured) = 0.094 mW/g



**#13 802.11b\_Right Cheek\_Ch6****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.842$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.112 mW/g

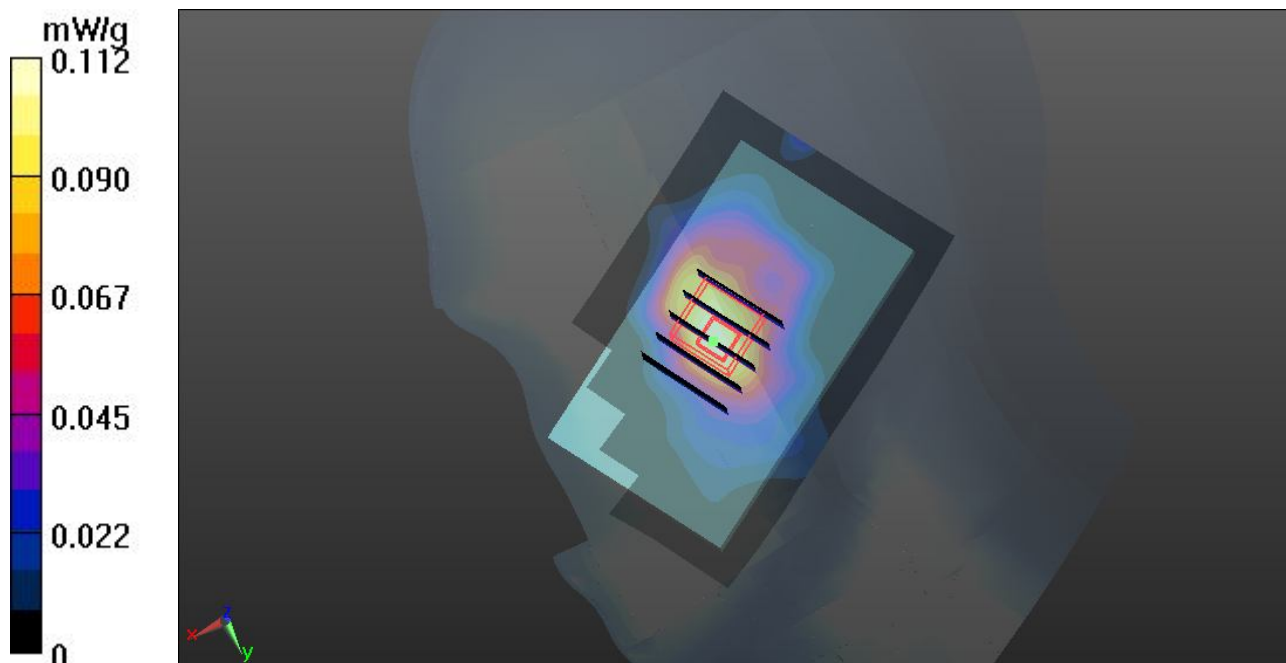
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.773 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.2870

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.110 mW/g



**#13 802.11b\_Right Cheek\_Ch6\_2D****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.842$  mho/m;  $\epsilon_r =$

$37.736$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.112 mW/g

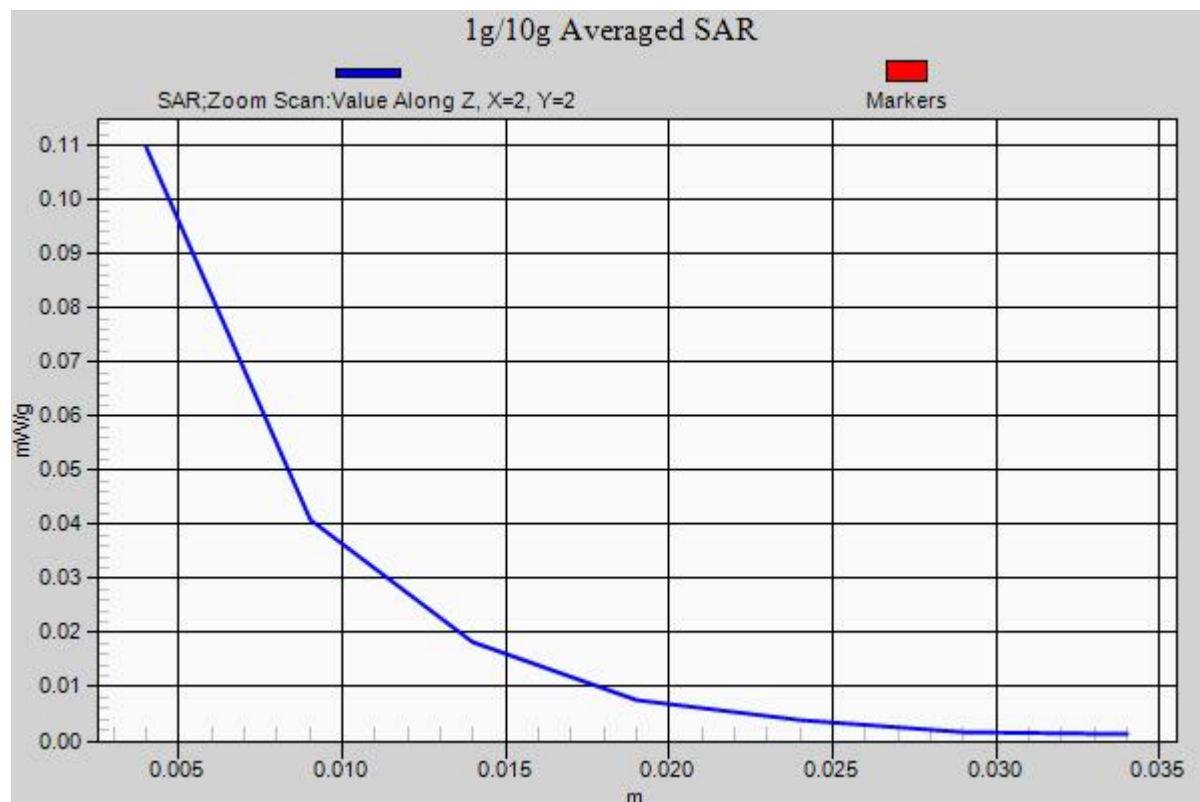
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.773 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.2870

**SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.049 mW/g**

Maximum value of SAR (measured) = 0.110 mW/g



**#14 802.11b\_Right Tilted\_Ch6****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.842$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.020 mW/g

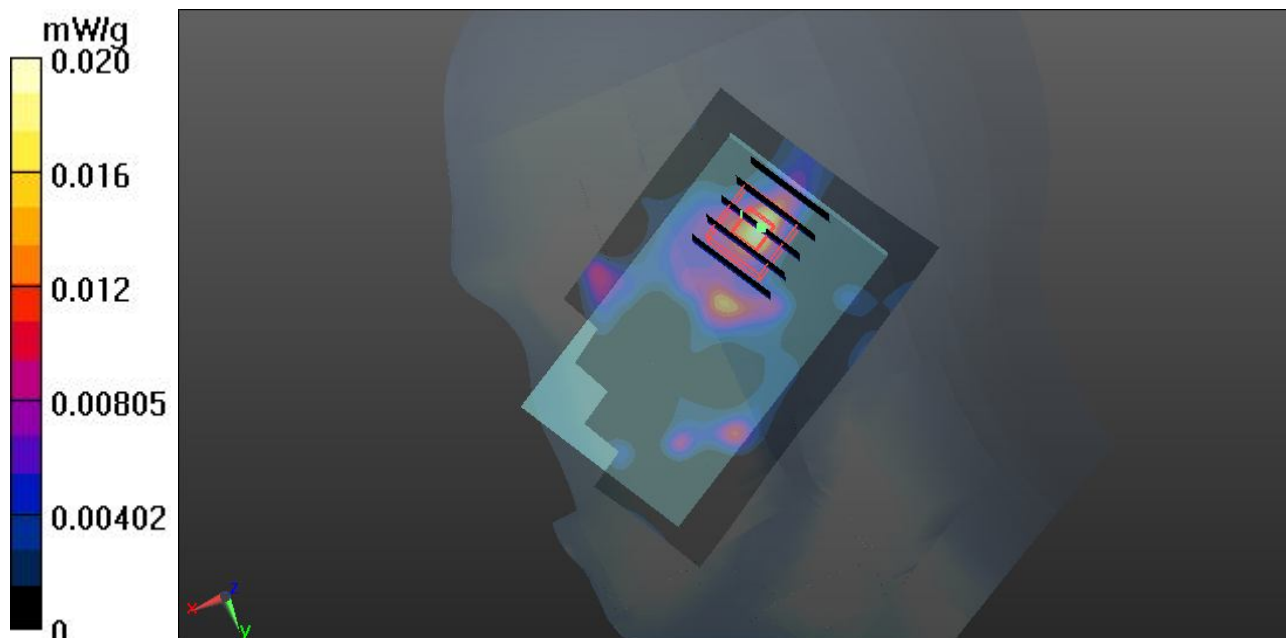
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.312 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.0360

**SAR(1 g) = 0.011 mW/g; SAR(10 g) = 0.00437 mW/g**

Maximum value of SAR (measured) = 0.012 mW/g





**#15 802.11b\_Left Cheek\_Ch6****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.842$  mho/m;  $\epsilon_r =$

$37.736$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.104 mW/g

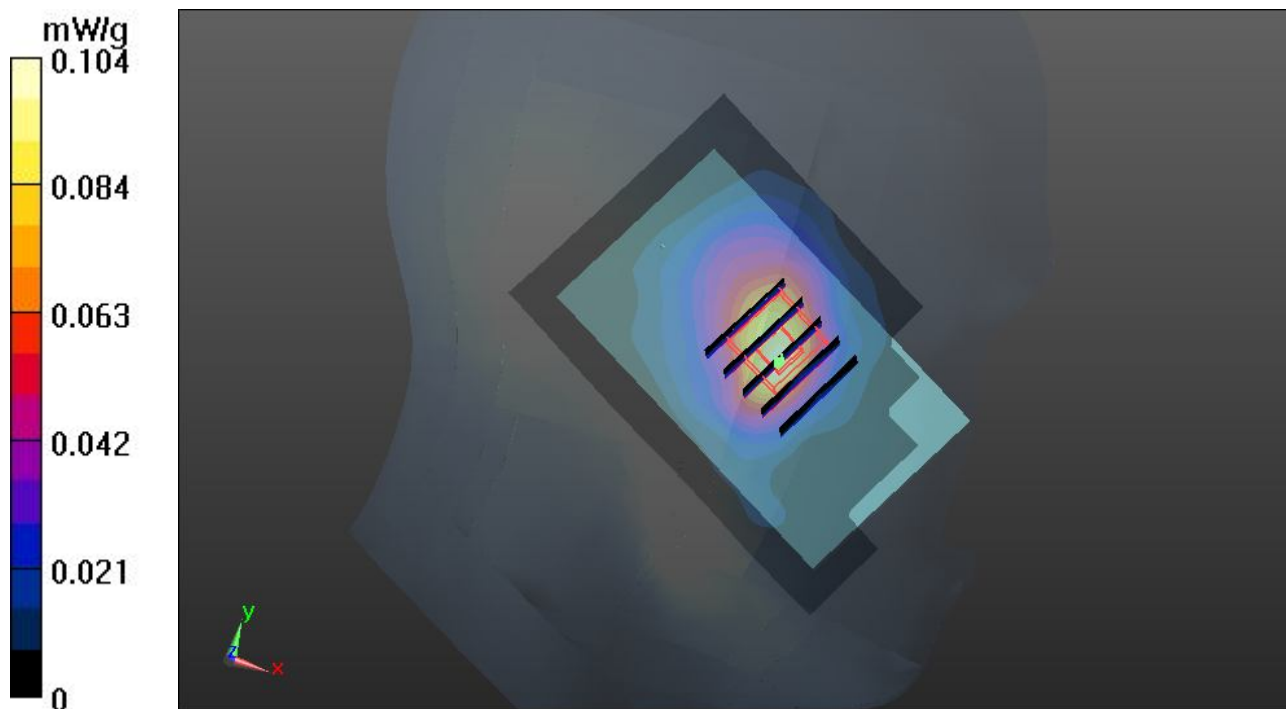
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.443 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.2430

**SAR(1 g) = 0.093 mW/g; SAR(10 g) = 0.046 mW/g**

Maximum value of SAR (measured) = 0.094 mW/g



**#16 802.11b\_Left Tilted\_Ch6****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: HSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.842$  mho/m;  $\epsilon_r =$

$37.736$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.33, 7.33, 7.33); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.011 mW/g

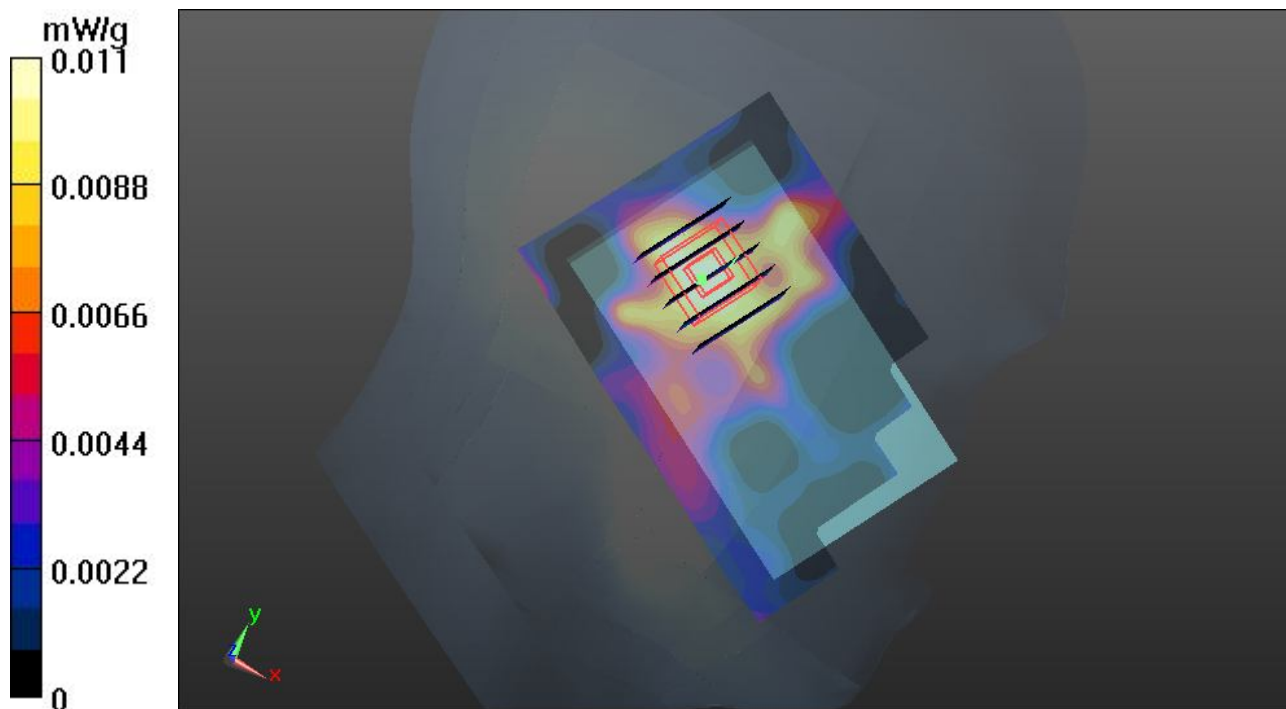
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.895 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0270

**SAR(1 g) = 0.00852 mW/g; SAR(10 g) = 0.00371 mW/g**

Maximum value of SAR (measured) = 0.00884 mW/g



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

**DUT: 1D2304**

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

Medium: MSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.278$ ;

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

Ambient Temperature : 23.5 °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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.242 mW/g

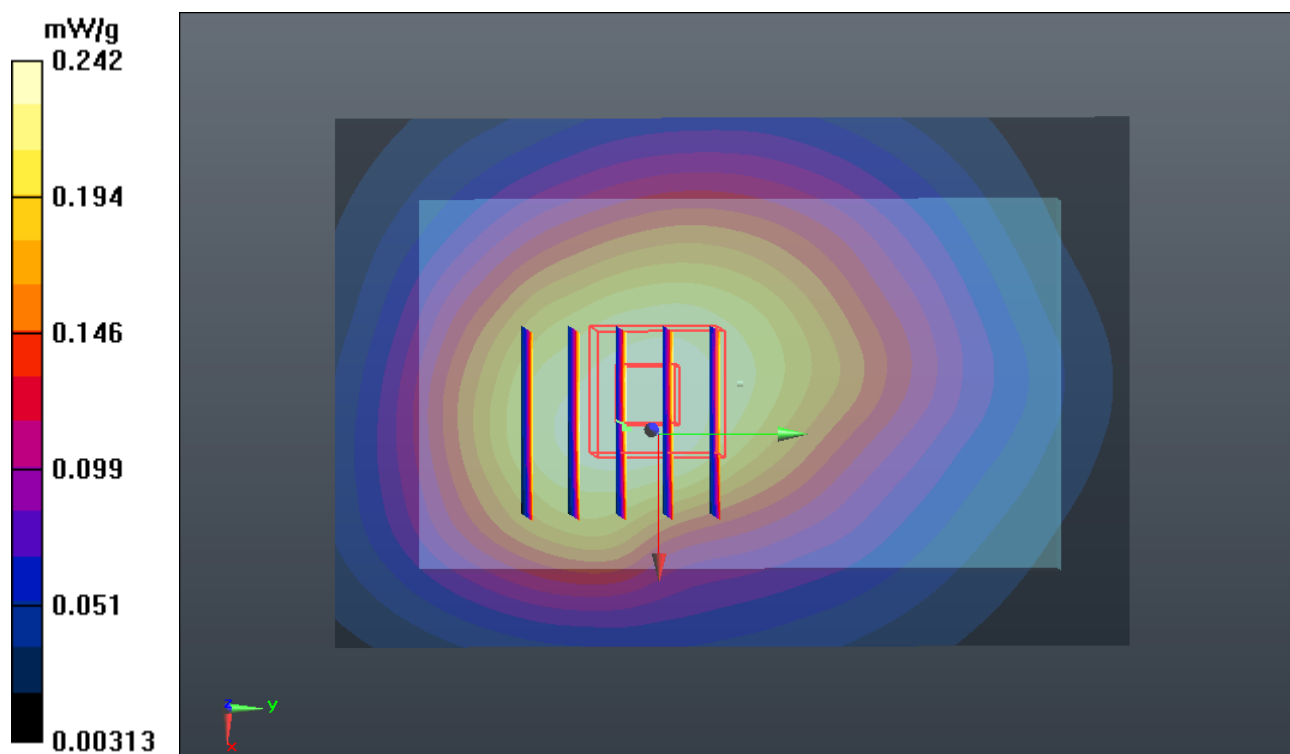
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.502 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.310 W/kg

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.176 mW/g**

Maximum value of SAR (measured) = 0.250 mW/g



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

**DUT: 1D2304**

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

Medium: MSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.278$ ;

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

Ambient Temperature : 23.5 °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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.489 mW/g

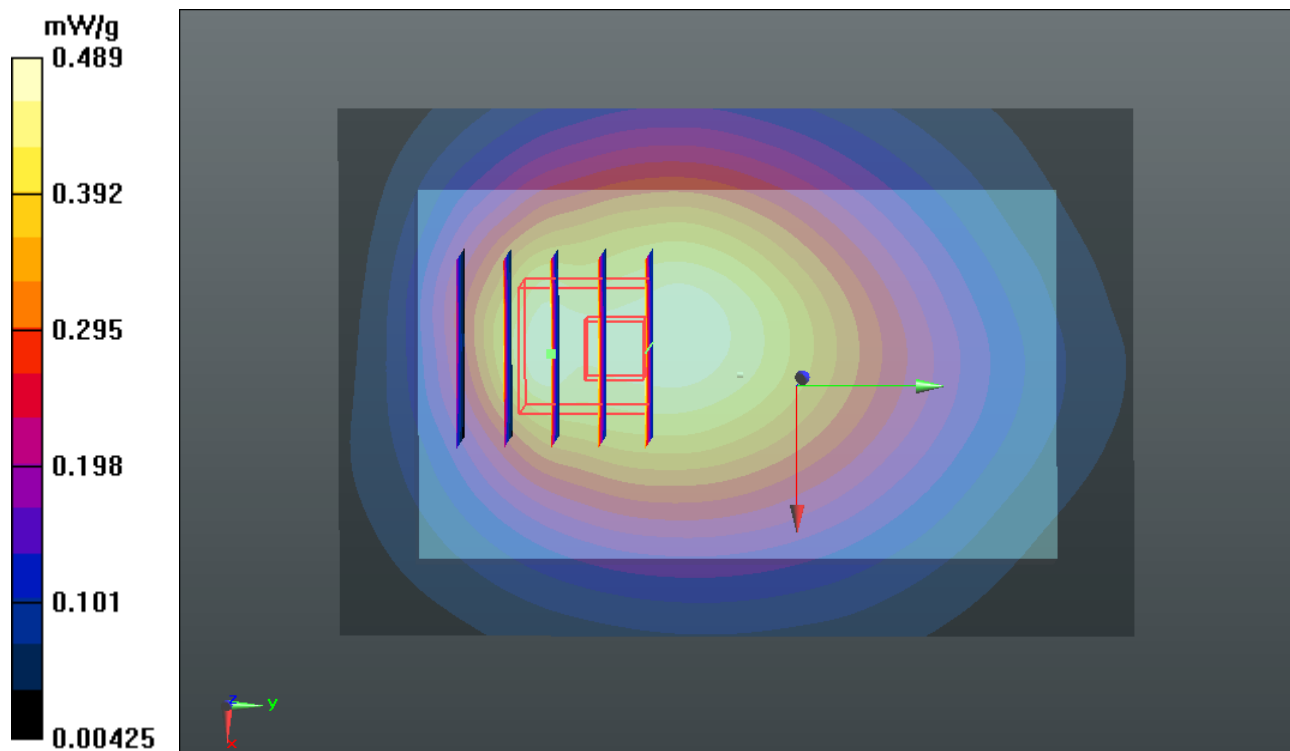
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.212 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 0.480 mW/g



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

**DUT: 1D2304**

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

Medium: MSL\_850\_111227 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.278$ ;

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

Ambient Temperature : 23.5 °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)

**Ch251/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.489 mW/g

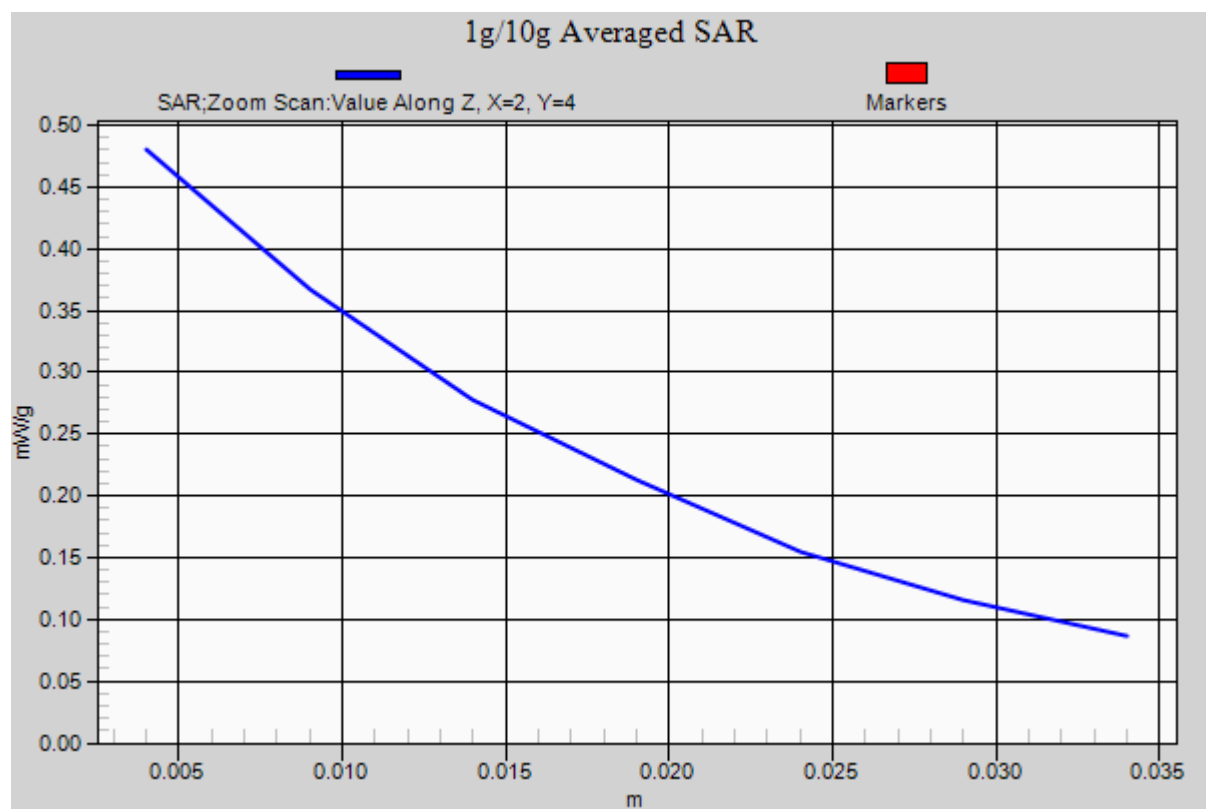
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.212 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.447 mW/g; SAR(10 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 0.480 mW/g





**#07 GSM1900\_GPRS12\_Face\_1.5cm\_Ch661**

**DUT: 1D2304**

Communication System: GPRS/EDGE 12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ;

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

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.3 °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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.193 mW/g

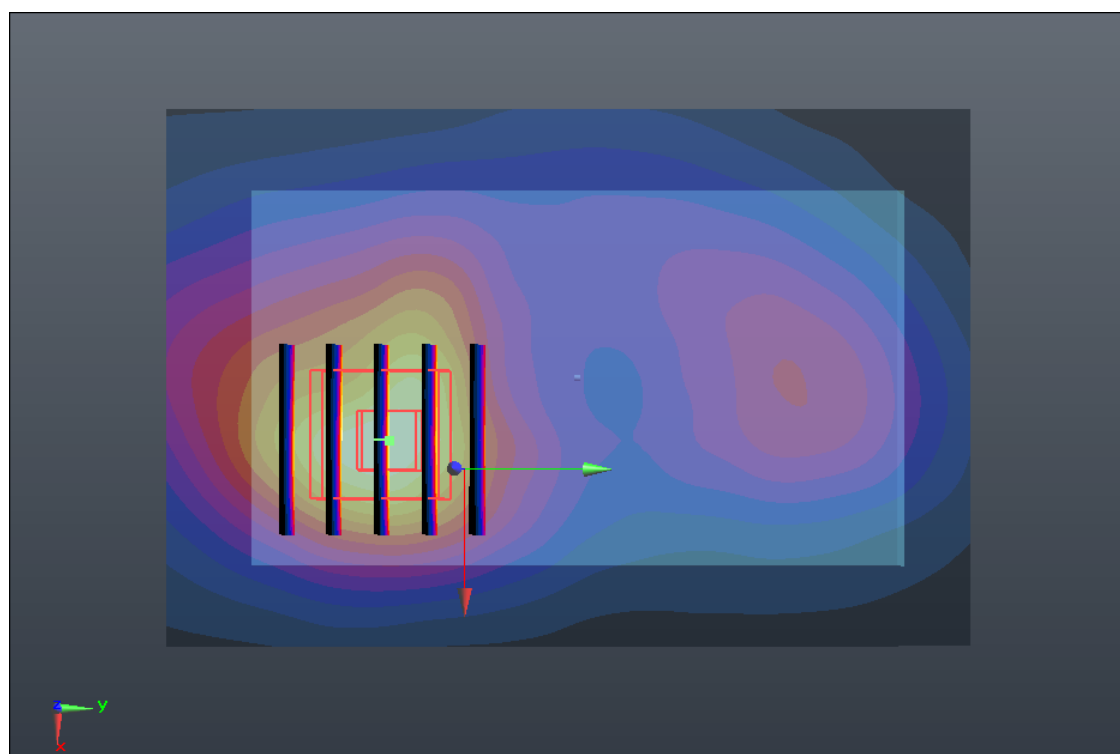
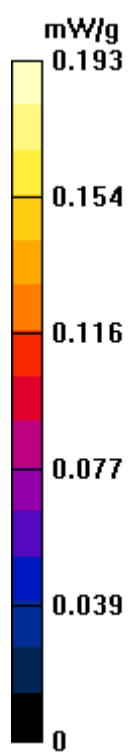
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.832 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.314 W/kg

**SAR(1 g) = 0.188 mW/g; SAR(10 g) = 0.109 mW/g**

Maximum value of SAR (measured) = 0.207 mW/g



**#08 GSM1900\_GPRS12\_Bottom\_1.5cm\_Ch661**

**DUT: 1D2304**

Communication System: GPRS/EDGE 12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ;

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

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.3 °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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

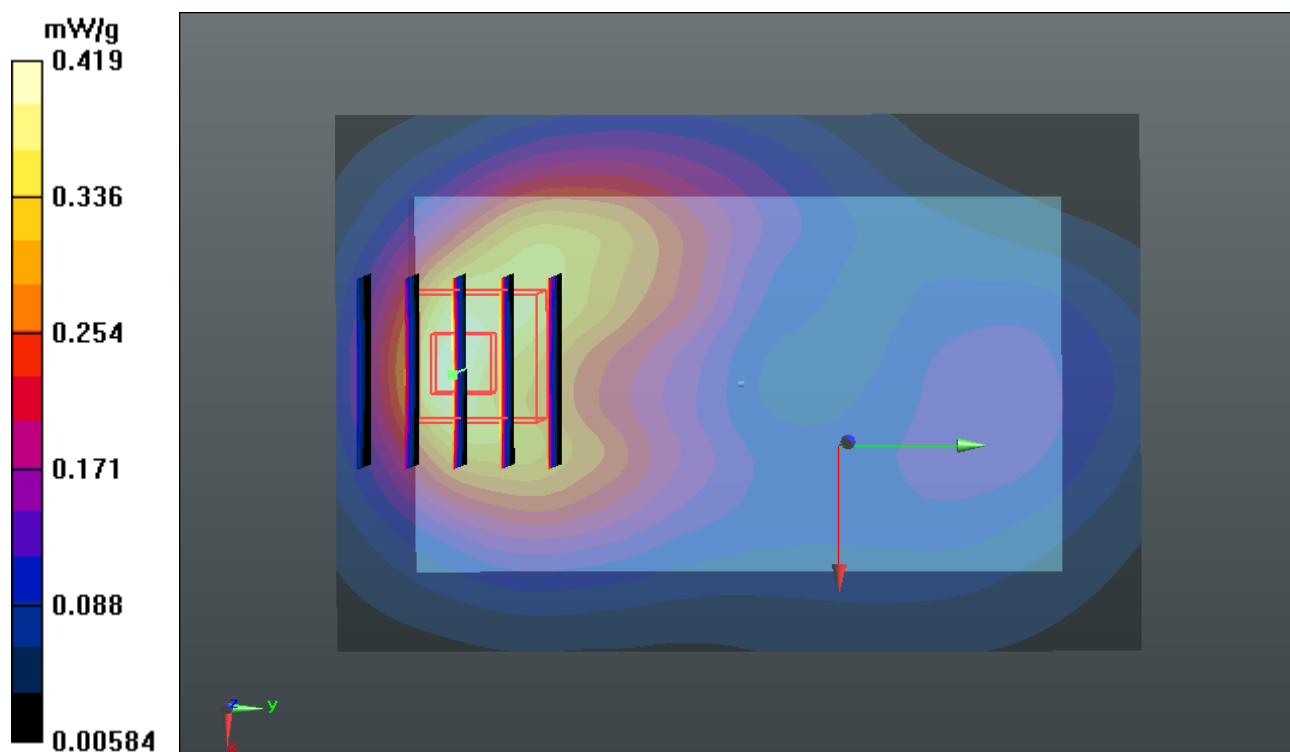
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.150 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.238 mW/g**

Maximum value of SAR (measured) = 0.447 mW/g



**#08 GSM1900\_GPRS12\_Bottom\_1.5cm\_Ch661\_2D**

**DUT: 1D2304**

Communication System: GPRS/EDGE 12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_111227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ;

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

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.3 °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)

**Ch661/Area Scan (61x91x1):** Measurement grid: dx=15mm, dy=15mm

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

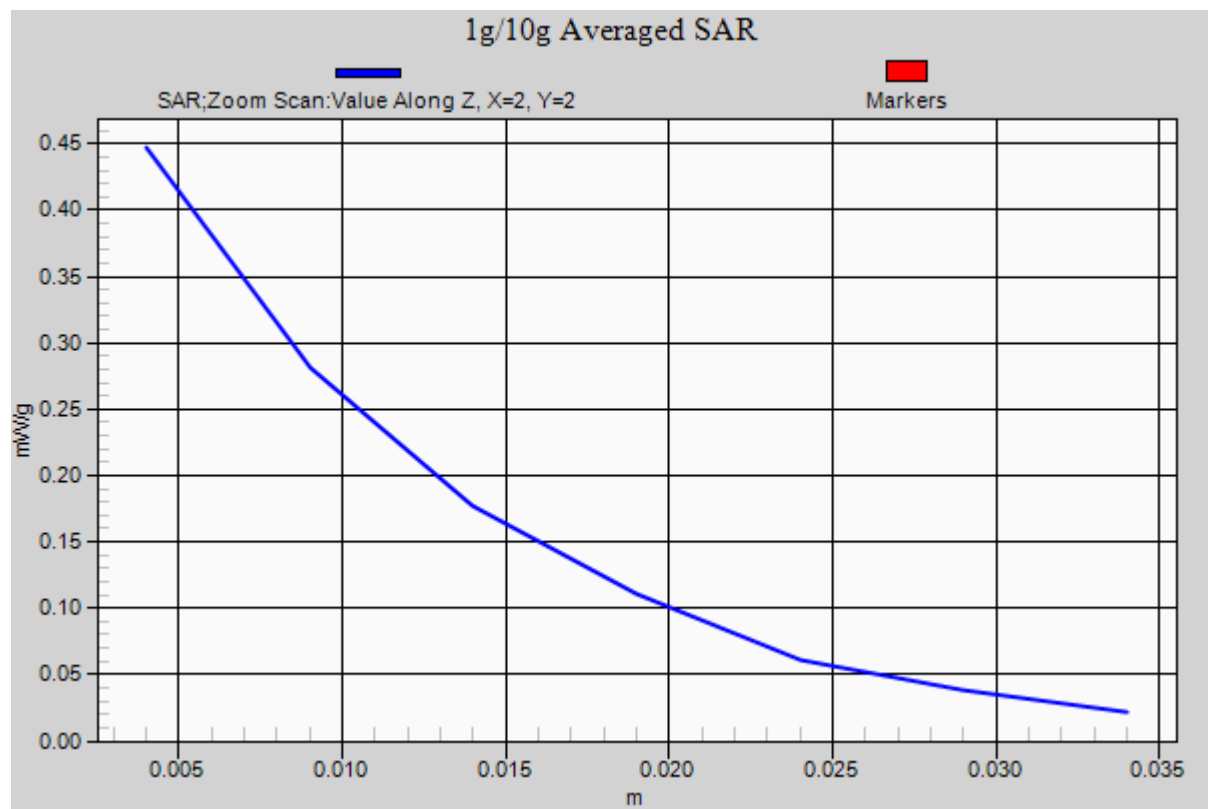
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.150 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.653 W/kg

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.238 mW/g**

Maximum value of SAR (measured) = 0.447 mW/g



**#17 802.11b\_Face\_1.5cm\_Ch6****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.949$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (71x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.012 mW/g

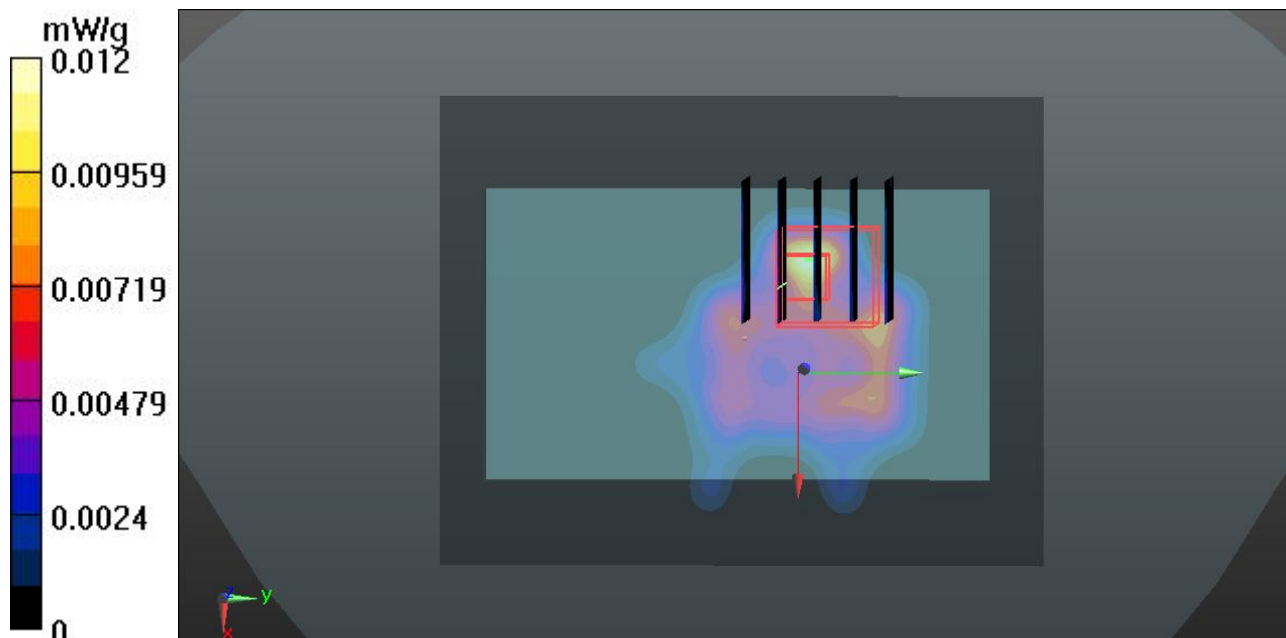
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.320 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.0220

**SAR(1 g) = 0.00535 mW/g; SAR(10 g) = 0.00198 mW/g**

Maximum value of SAR (measured) = 0.00509 mW/g



**#18 802.11b\_Bottom\_1.5cm\_Ch6****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.949$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (71x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.017 mW/g

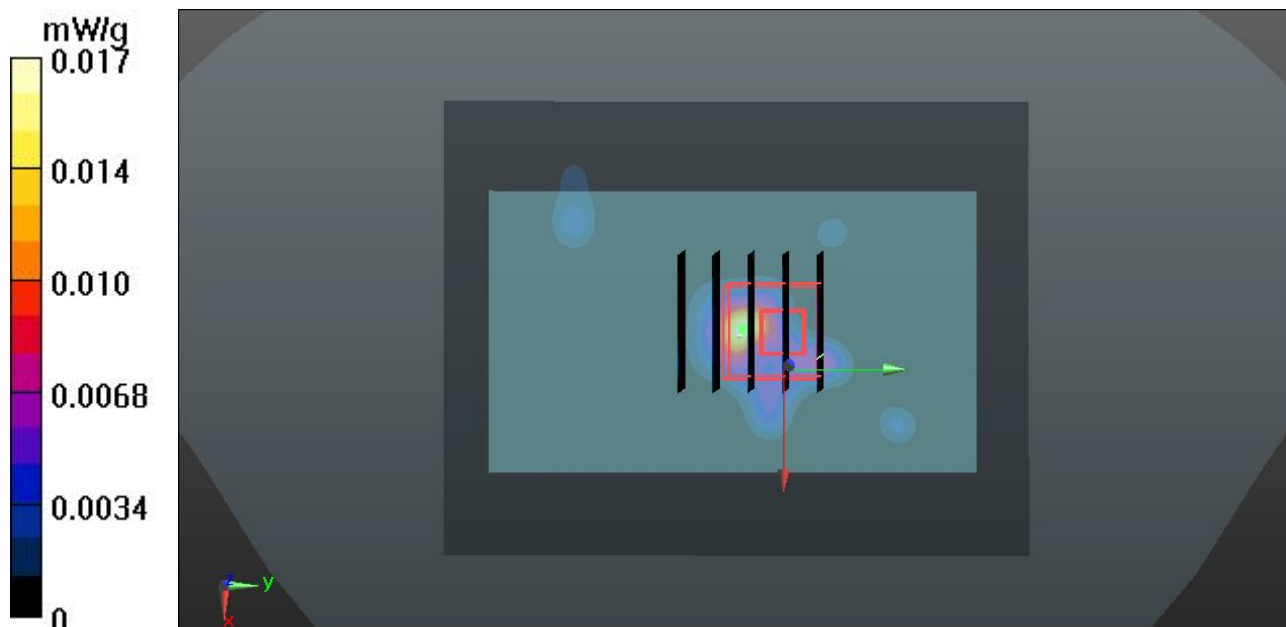
**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.708 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0360

**SAR(1 g) = 0.00765 mW/g; SAR(10 g) = 0.00299 mW/g**

Maximum value of SAR (measured) = 0.00632 mW/g





**#18 802.11b\_Bottom\_1.5cm\_Ch6\_2D****DUT: 1D2304**

Communication System: WIFI; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: MSL\_2450\_120105 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.949$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.4, 7.4, 7.4); Calibrated: 16.11.2011
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 10.11.2011
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.6.4 (4989)

**Ch6/Area Scan (71x91x1):** Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.017 mW/g

**Ch6/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.708 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.0360

**SAR(1 g) = 0.00765 mW/g; SAR(10 g) = 0.00299 mW/g**

Maximum value of SAR (measured) = 0.00632 mW/g

