



## ***Appendix A. Plots of System Performance Check***

The plots are shown as follows.

**System Check\_Head\_835MHz\_130424****DUT: D835V2 - SN: 4d091**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: HSL\_835\_130424 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.928$  mho/m;  $\epsilon_r = 42.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 3.21 W/kg

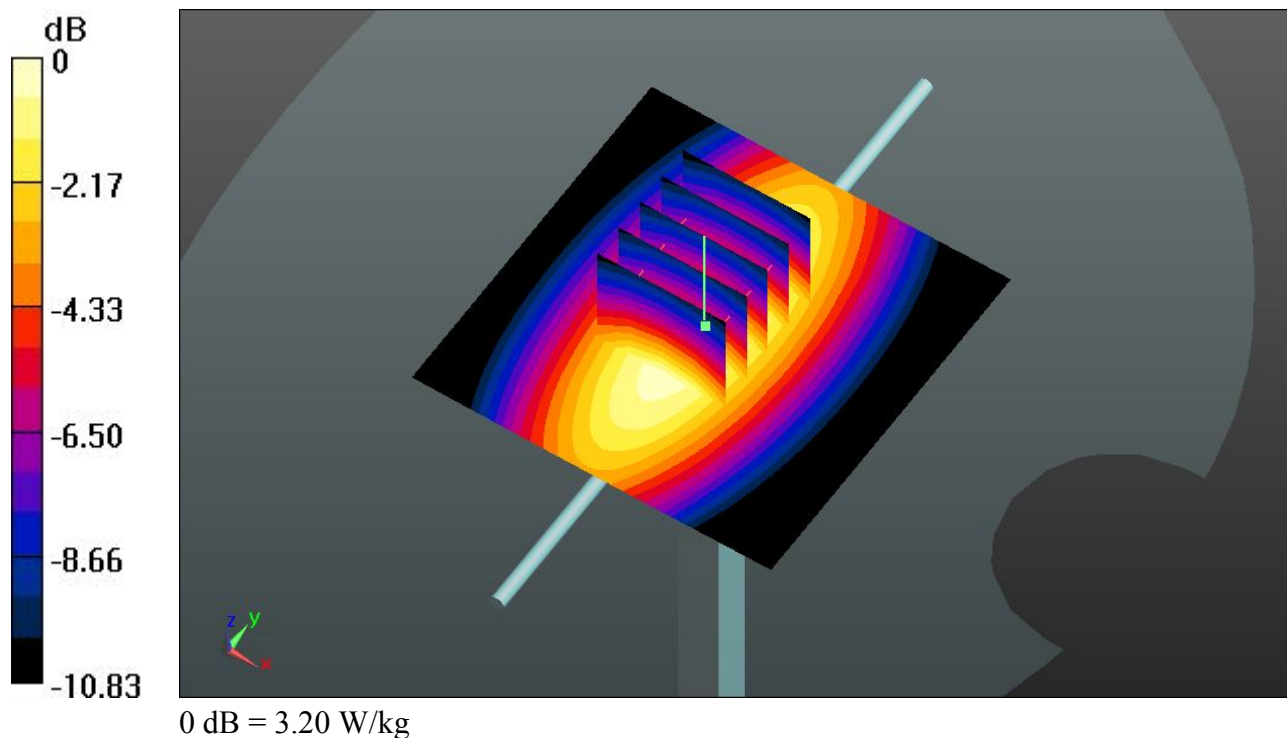
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 59.796 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.800 mW/g

**SAR(1 g) = 2.52 mW/g; SAR(10 g) = 1.65 mW/g**

Maximum value of SAR (measured) = 3.20 W/kg



**System Check\_Head\_1900MHz\_130407****DUT: D1900V2 - SN: 5d118**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_130407 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.445$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 15.2 W/kg

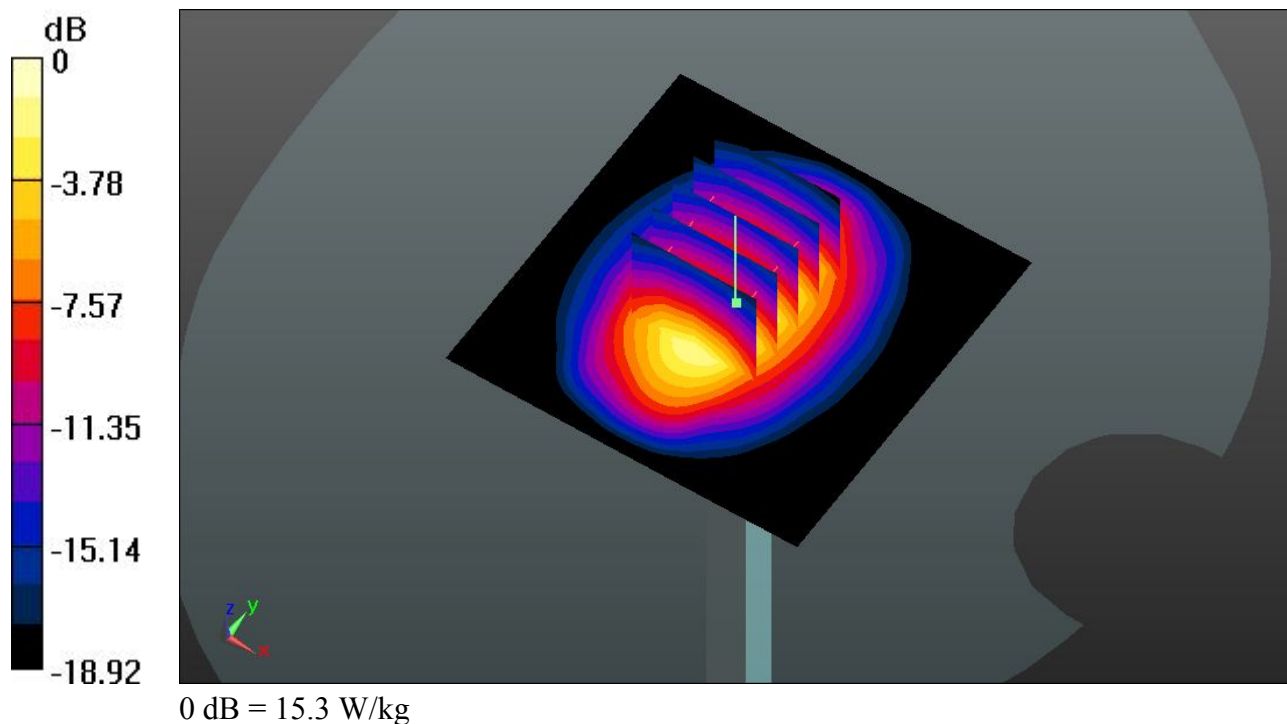
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.1 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 19.704 mW/g

**SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.41 mW/g**

Maximum value of SAR (measured) = 15.3 W/kg



**System Check\_Head\_1900MHz\_130417****DUT: D1900V2 - SN: 5d118**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.407$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 14.8 W/kg

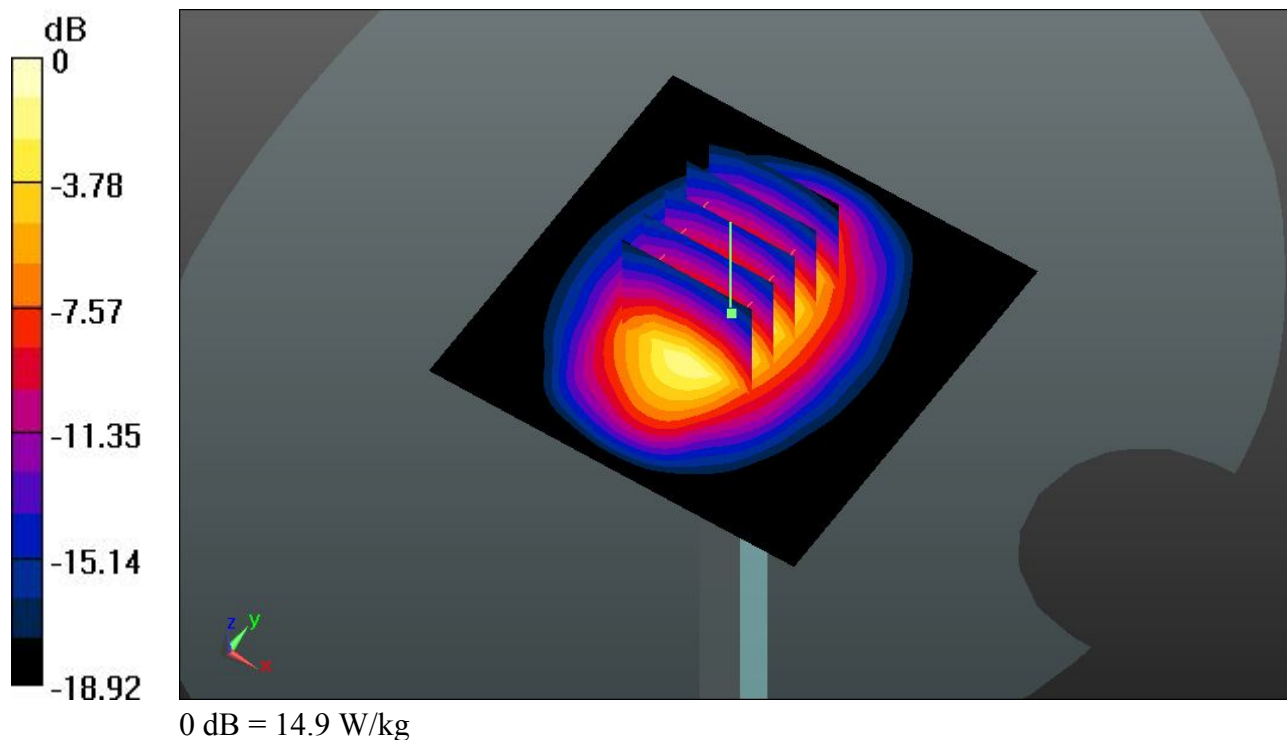
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 103.1 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 19.182 mW/g

**SAR(1 g) = 10.3 mW/g; SAR(10 g) = 5.26 mW/g**

Maximum value of SAR (measured) = 14.9 W/kg



**System Check\_Head\_2450MHz\_130425****DUT: D2450V2 - SN:736**

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

Medium: HSL\_2450\_130425 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.857$  mho/m;  $\epsilon_r = 37.67$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 21.7 W/kg

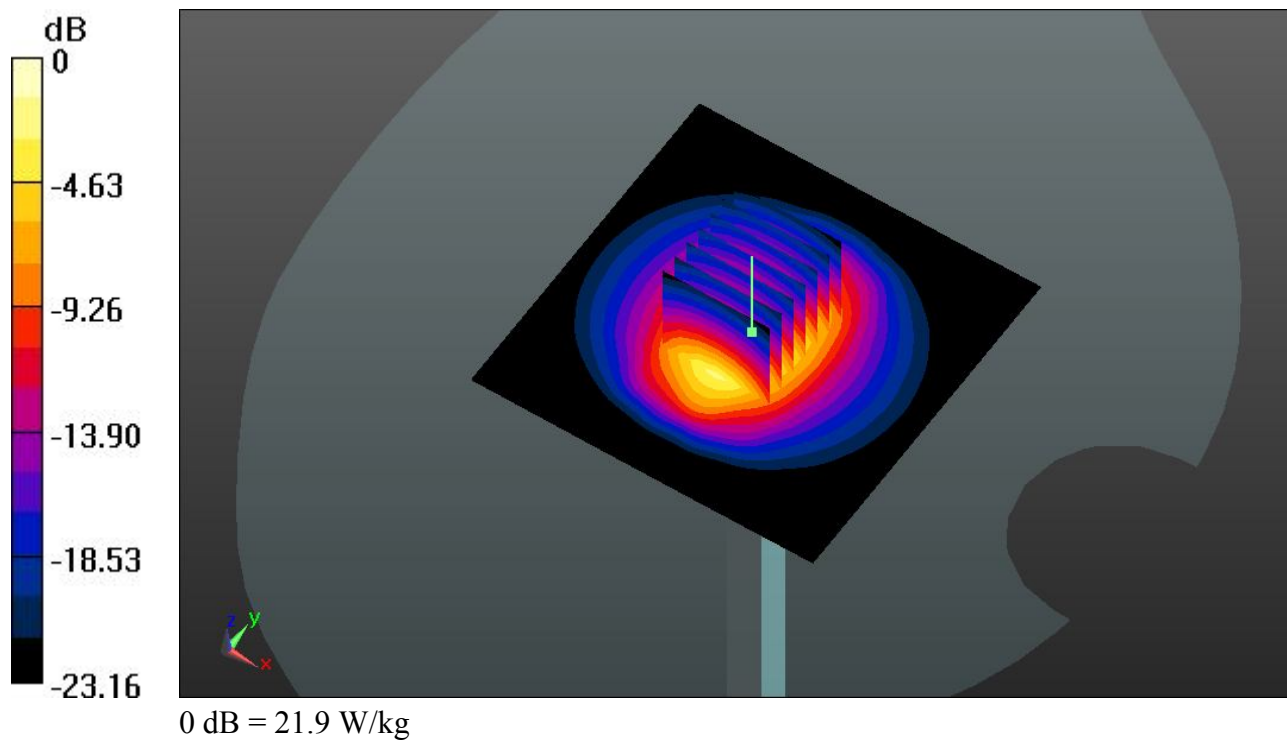
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 93.205 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 29.861 mW/g

**SAR(1 g) = 14 mW/g; SAR(10 g) = 6.34 mW/g**

Maximum value of SAR (measured) = 21.9 W/kg



**System Check\_Body\_835MHz\_130405****DUT: D835V2 - SN: 4d091**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_130405 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.971$  mho/m;  $\epsilon_r = 56.304$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.60 W/kg

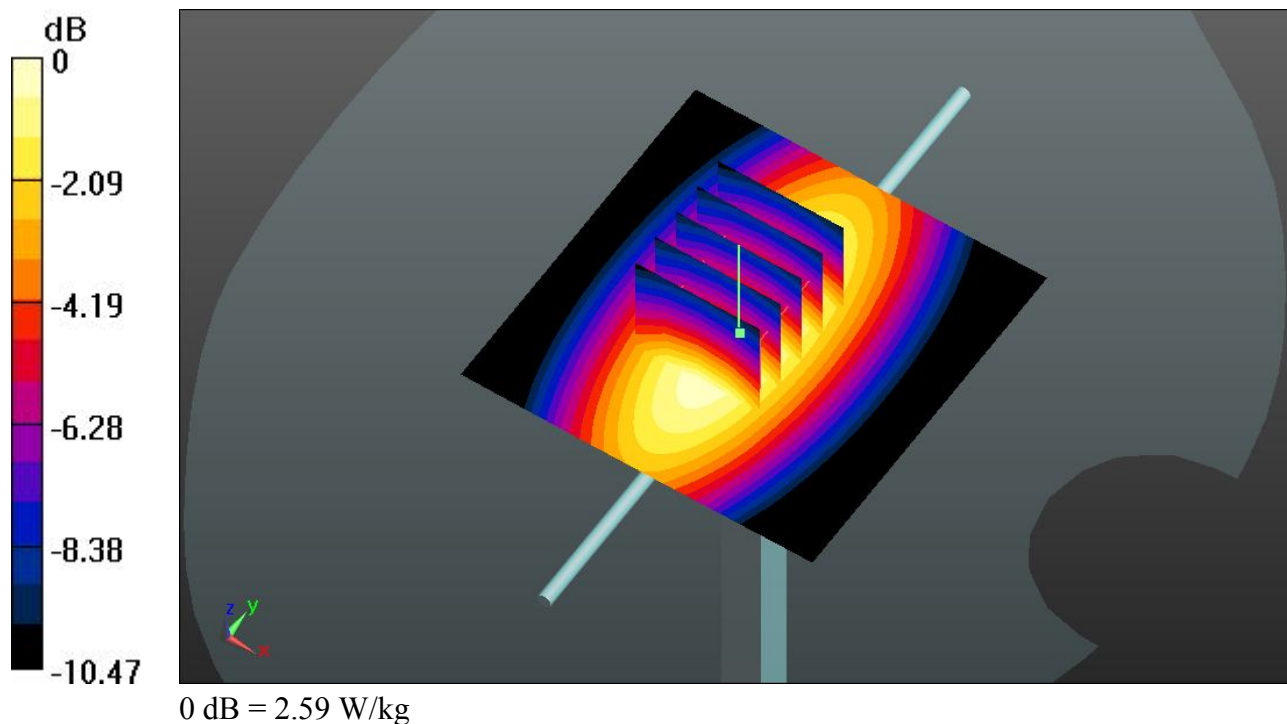
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.017 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.541 mW/g

**SAR(1 g) = 2.42 mW/g; SAR(10 g) = 1.6 mW/g**

Maximum value of SAR (measured) = 2.59 W/kg



**System Check\_Body\_835MHz\_130423****DUT: D835V2 - SN: 4d091**

Communication System: CW; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: MSL\_835\_130423 Medium parameters used:  $f = 835$  MHz;  $\sigma = 0.977$  mho/m;  $\epsilon_r = 54.395$ ;

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

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 2.62 W/kg

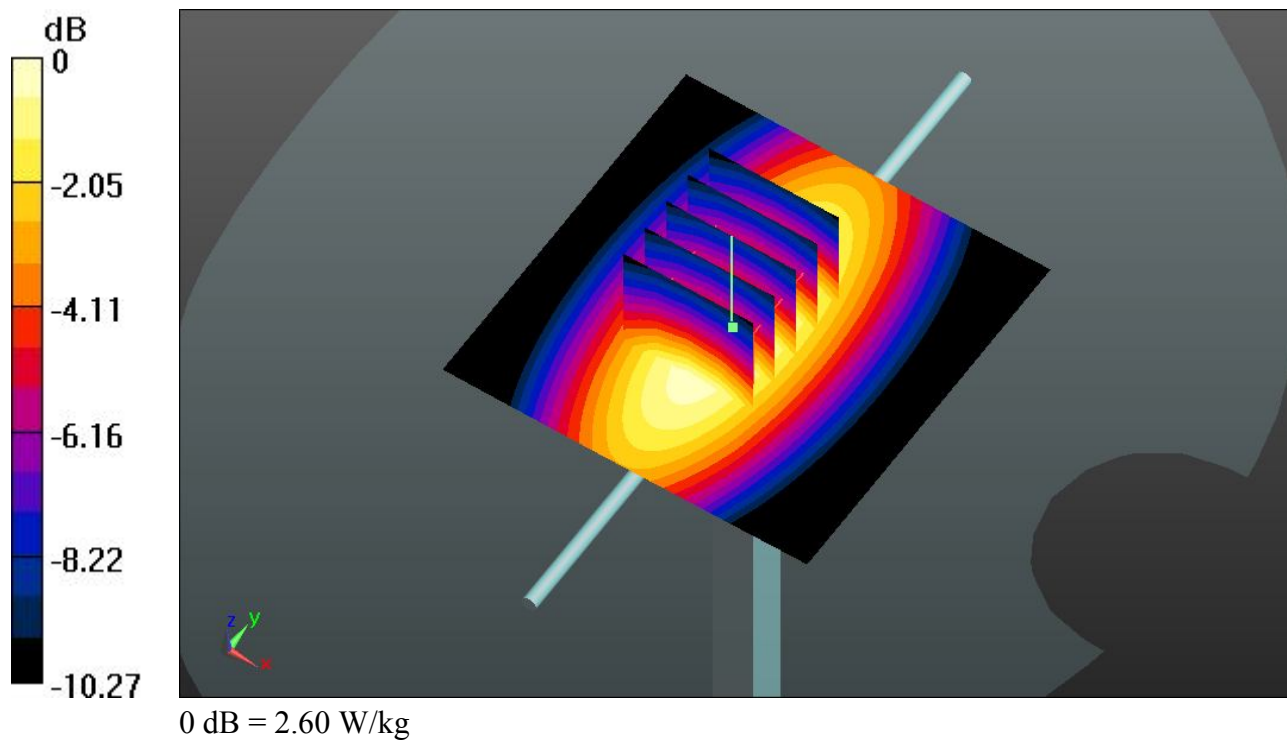
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.017 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 3.563 mW/g

**SAR(1 g) = 2.43 mW/g; SAR(10 g) = 1.61 mW/g**

Maximum value of SAR (measured) = 2.60 W/kg





**System Check\_Body\_1900MHz\_130405****DUT: D1900V2 - SN: 5d118**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.531$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 14.5 W/kg

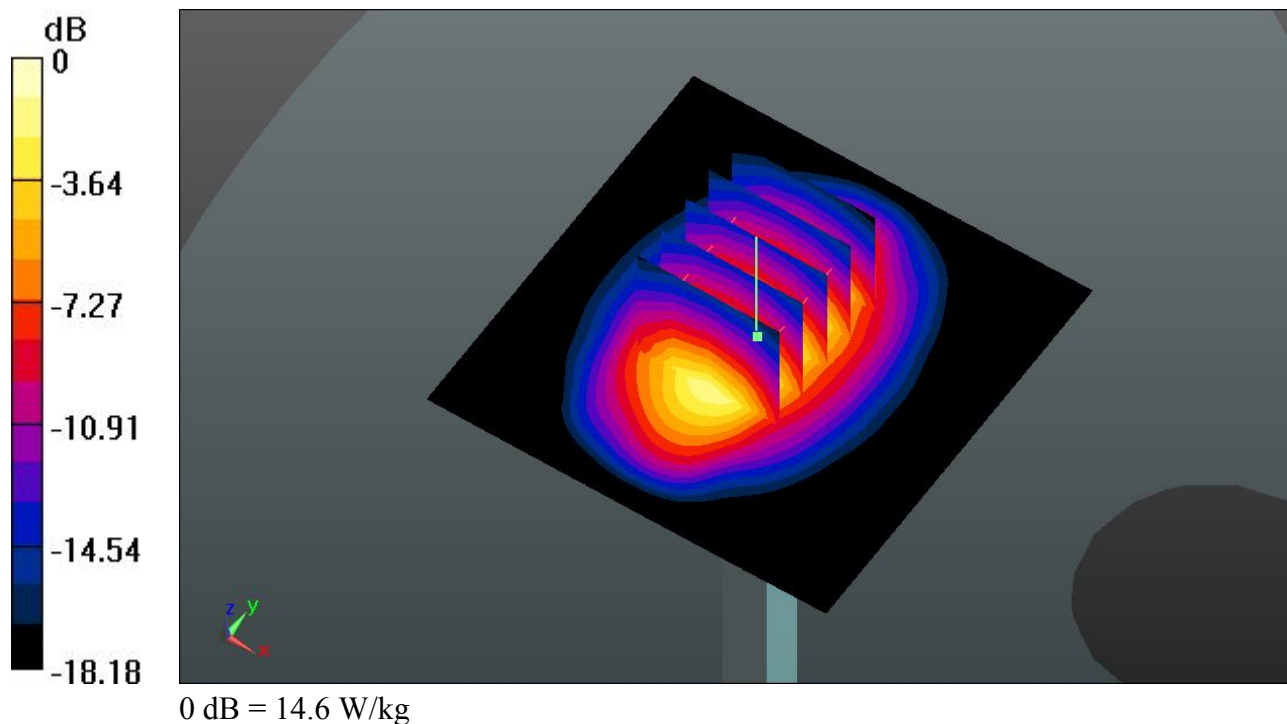
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.872 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.476 mW/g

**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.28 mW/g**

Maximum value of SAR (measured) = 14.6 W/kg





**System Check\_Body\_1900MHz\_130423****DUT: D1900V2 - SN: 5d118**

Communication System: CW; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.528$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (61x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 14.5 W/kg

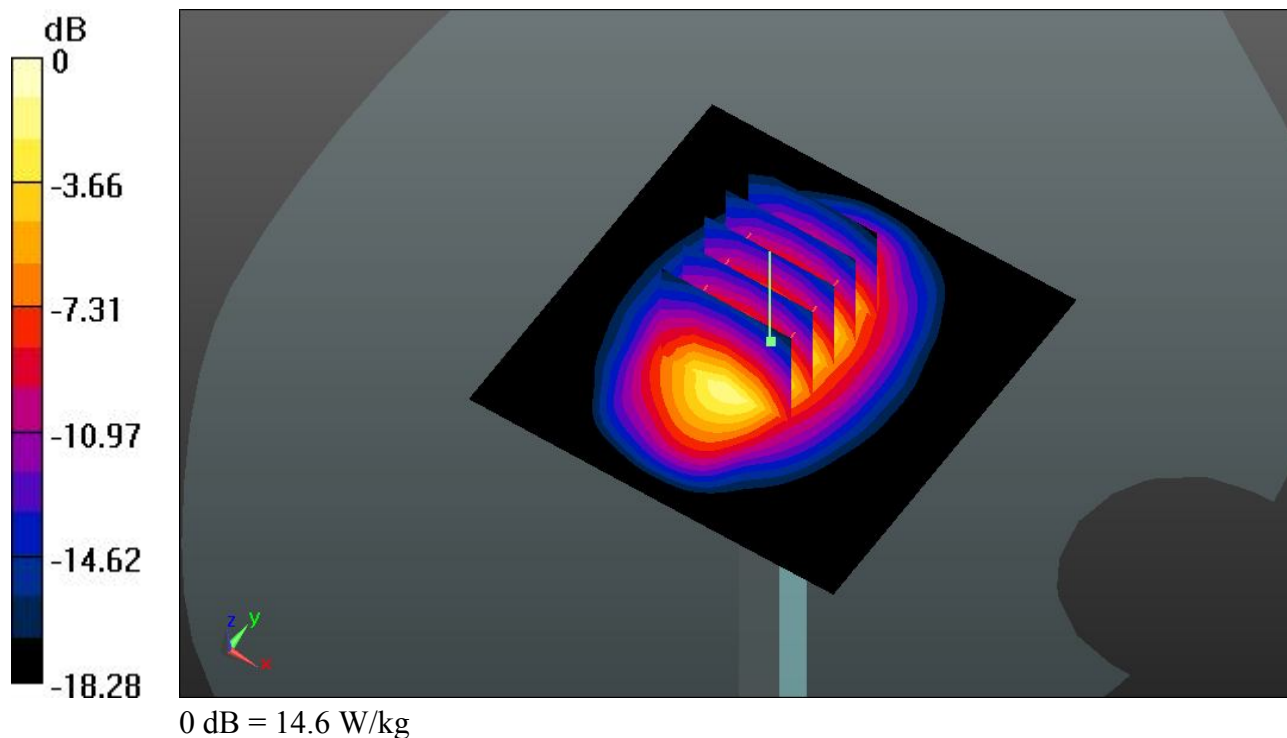
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 85.872 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 18.438 mW/g

**SAR(1 g) = 10.2 mW/g; SAR(10 g) = 5.27 mW/g**

Maximum value of SAR (measured) = 14.6 W/kg



**System Check\_Body\_2450MHz\_130425****DUT: D2450V2 - SN:736**

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

Medium: MSL\_2450\_130425 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.939$  mho/m;  $\epsilon_r = 53.98$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Pin=250mW/Area Scan (81x81x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 20.9 W/kg

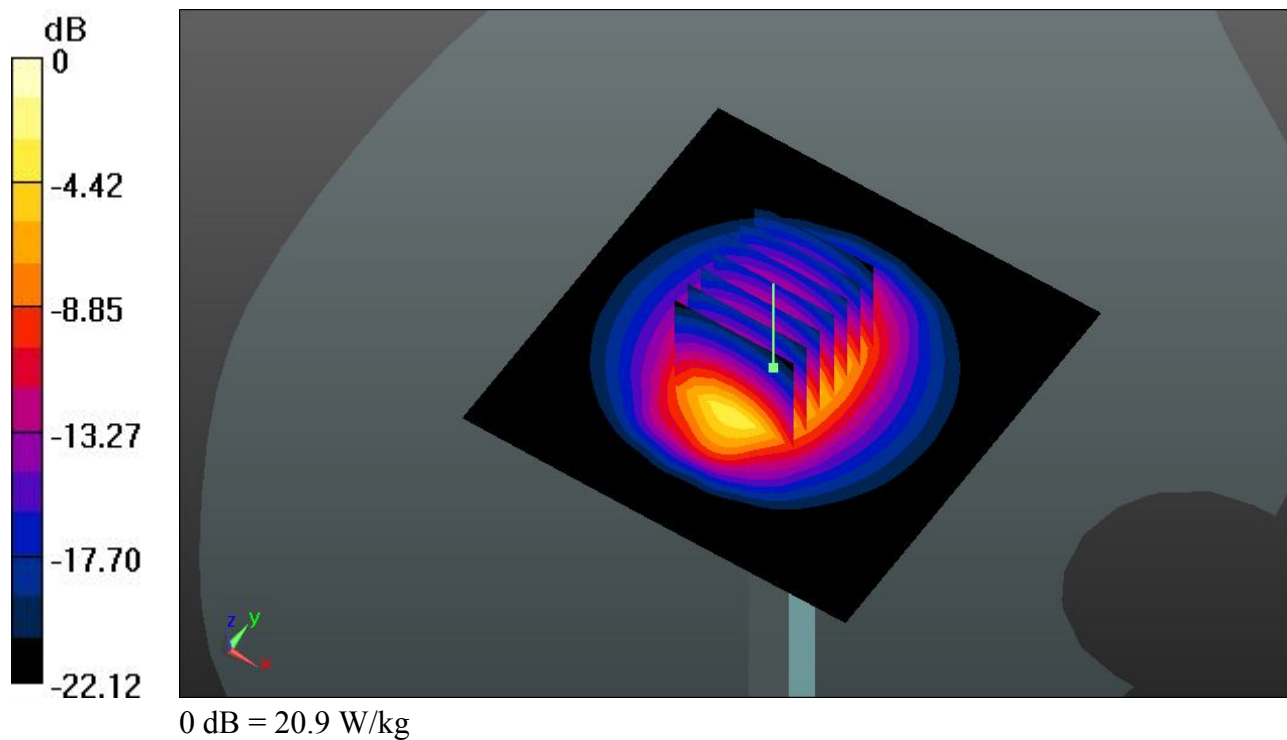
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 88.812 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 28.482 mW/g

**SAR(1 g) = 13.6 mW/g; SAR(10 g) = 6.22 mW/g**

Maximum value of SAR (measured) = 20.9 W/kg





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

The plots are shown as follows.

**62 GSM850\_GSM Voice\_Right Cheek\_Ch128****DUT: 332203**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_130424 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 42.87$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.507 W/kg

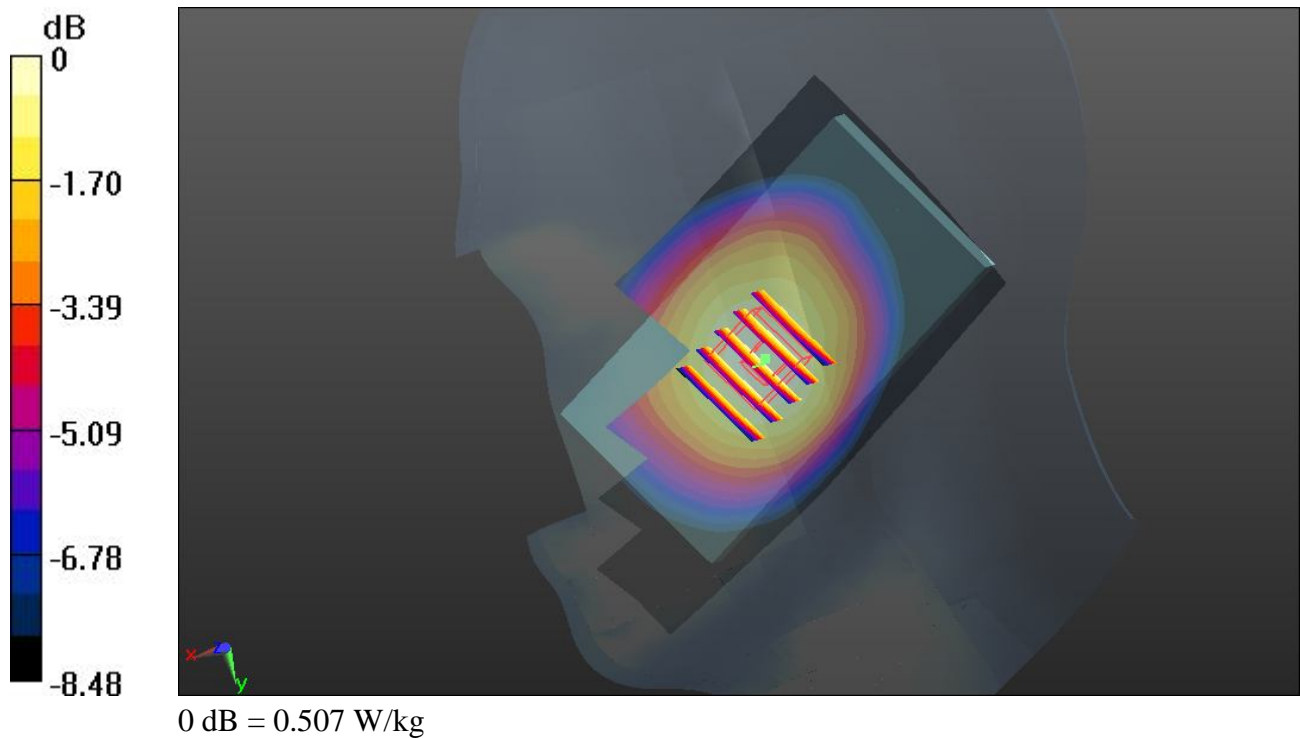
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.917 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.545 mW/g

**SAR(1 g) = 0.448 mW/g; SAR(10 g) = 0.346 mW/g**

Maximum value of SAR (measured) = 0.507 W/kg



**63 GSM850\_GSM Voice\_Right Tilted\_Ch128****DUT: 332203**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_130424 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 42.87$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.409 W/kg

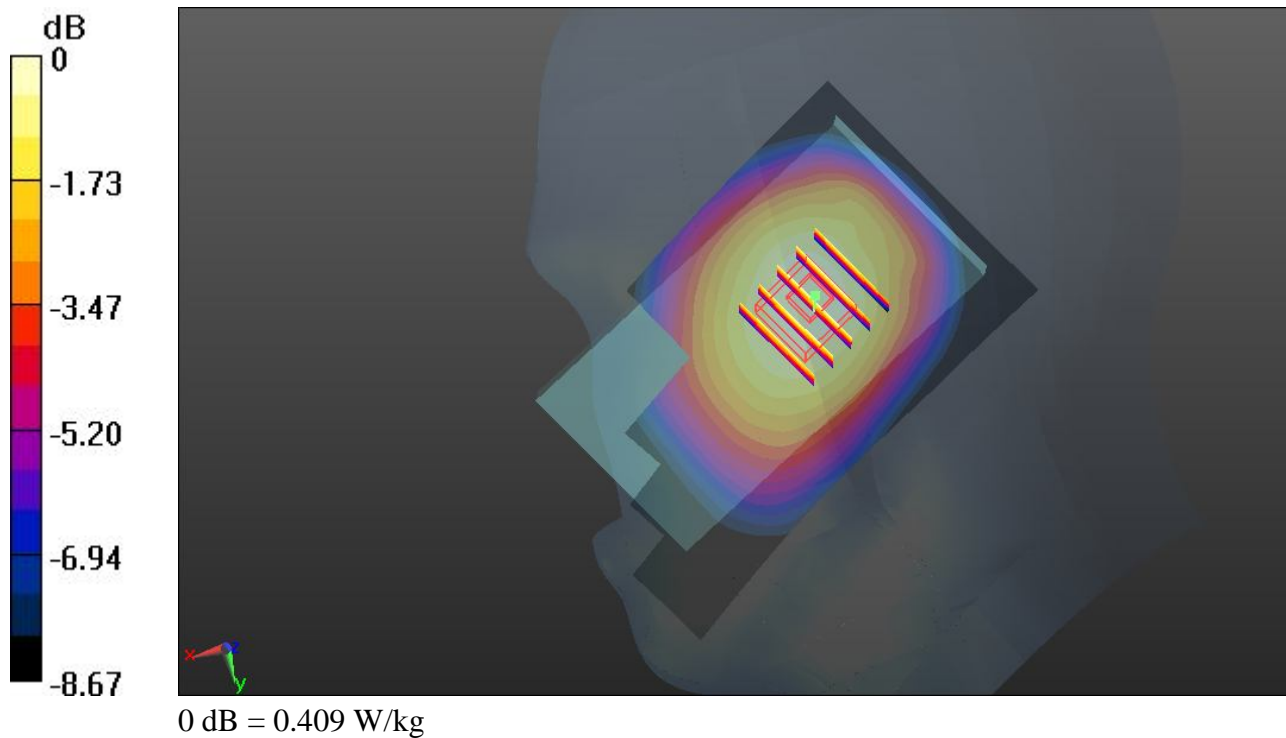
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.414 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.443 mW/g

**SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.276 mW/g**

Maximum value of SAR (measured) = 0.409 W/kg



**64 GSM850\_GSM Voice\_Left Cheek\_Ch128****DUT: 332203**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_130424 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 42.87$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.474 W/kg

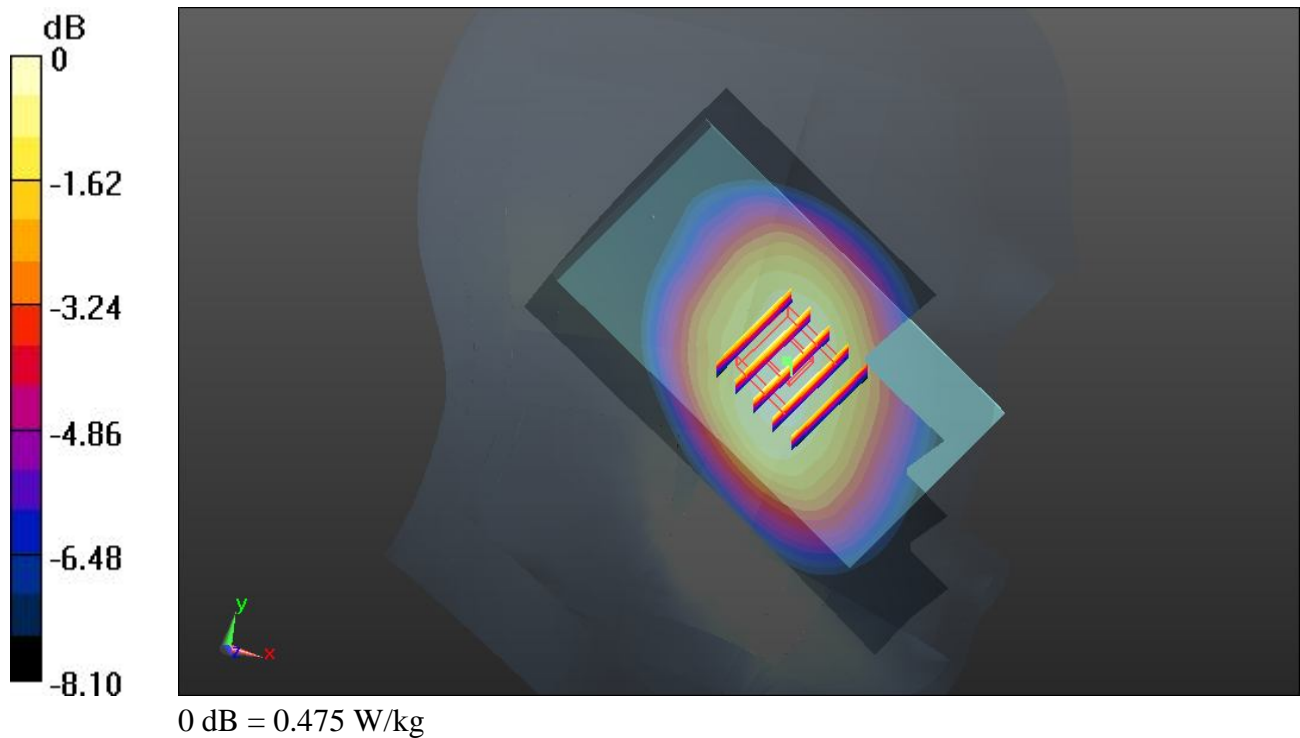
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.163 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.510 mW/g

**SAR(1 g) = 0.416 mW/g; SAR(10 g) = 0.320 mW/g**

Maximum value of SAR (measured) = 0.475 W/kg



**65 GSM850\_GSM Voice\_Left Tilted\_Ch128****DUT: 332203**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: HSL\_835\_130424 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.917$  mho/m;  $\epsilon_r = 42.87$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.374 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.464 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.413 mW/g

**SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.251 mW/g**

Maximum value of SAR (measured) = 0.380 W/kg

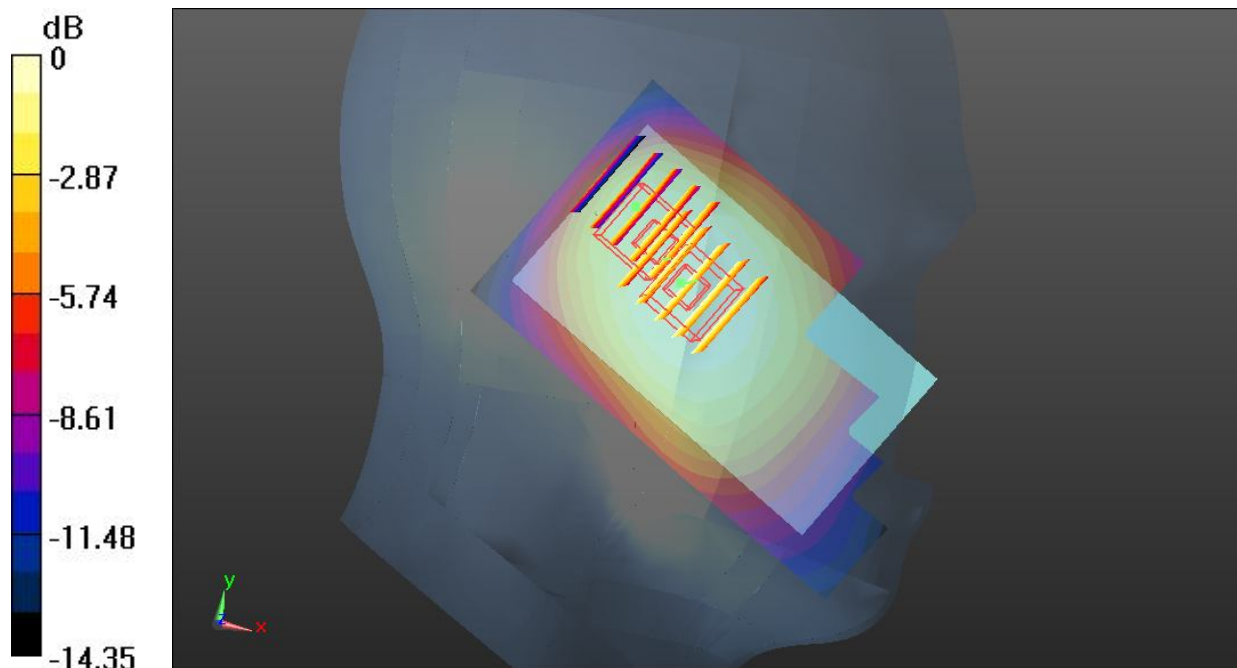
**Ch128/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.464 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.367 mW/g

**SAR(1 g) = 0.261 mW/g; SAR(10 g) = 0.173 mW/g**

Maximum value of SAR (measured) = 0.336 W/kg



0 dB = 0.336 W/kg



**27 GSM1900\_GSM Voice\_Right Cheek\_Ch512****DUT: 332203**

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

Medium: HSL\_1900\_130407 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r =$ 39.865;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.323 W/kg

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

Reference Value = 15.772 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.390 mW/g

**SAR(1 g) = 0.265 mW/g; SAR(10 g) = 0.169 mW/g**

Maximum value of SAR (measured) = 0.330 W/kg

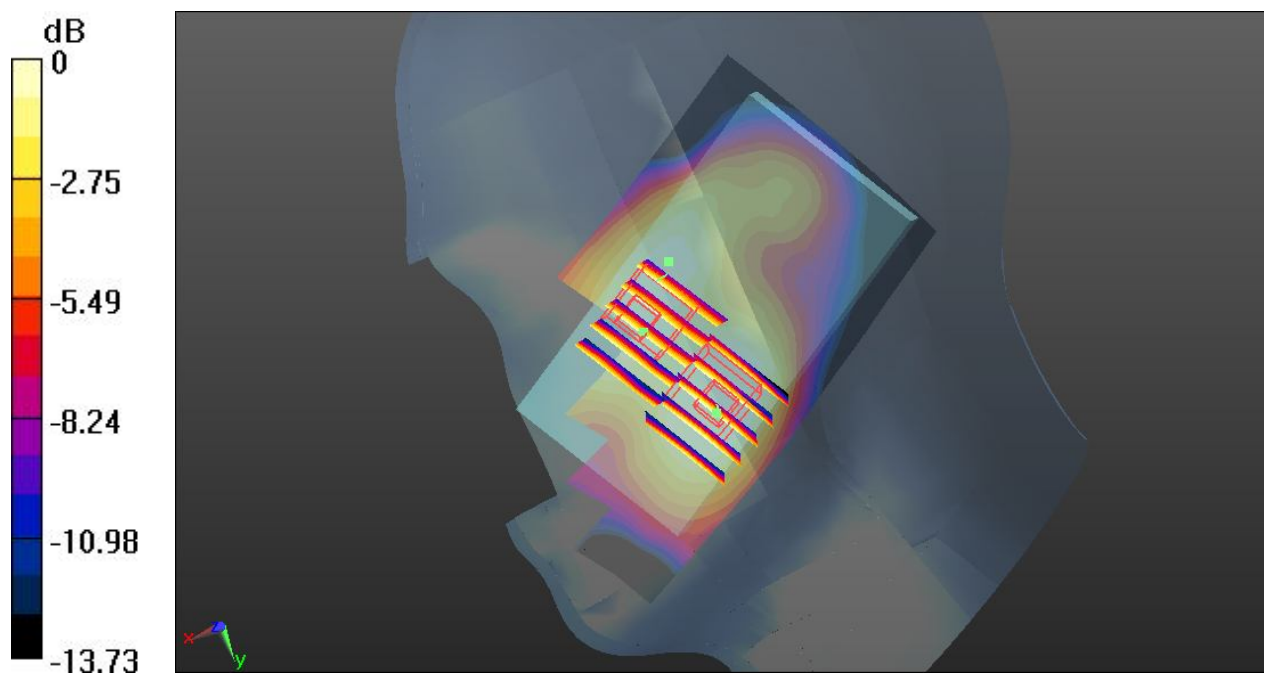
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.772 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.310 mW/g

**SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.142 mW/g**

Maximum value of SAR (measured) = 0.266 W/kg



0 dB = 0.266 W/kg

**28 GSM1900\_GSM Voice\_Right Tilted\_Ch512****DUT: 332203**

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

Medium: HSL\_1900\_130407 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r =$

$39.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $21.6$  °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.267$  W/kg

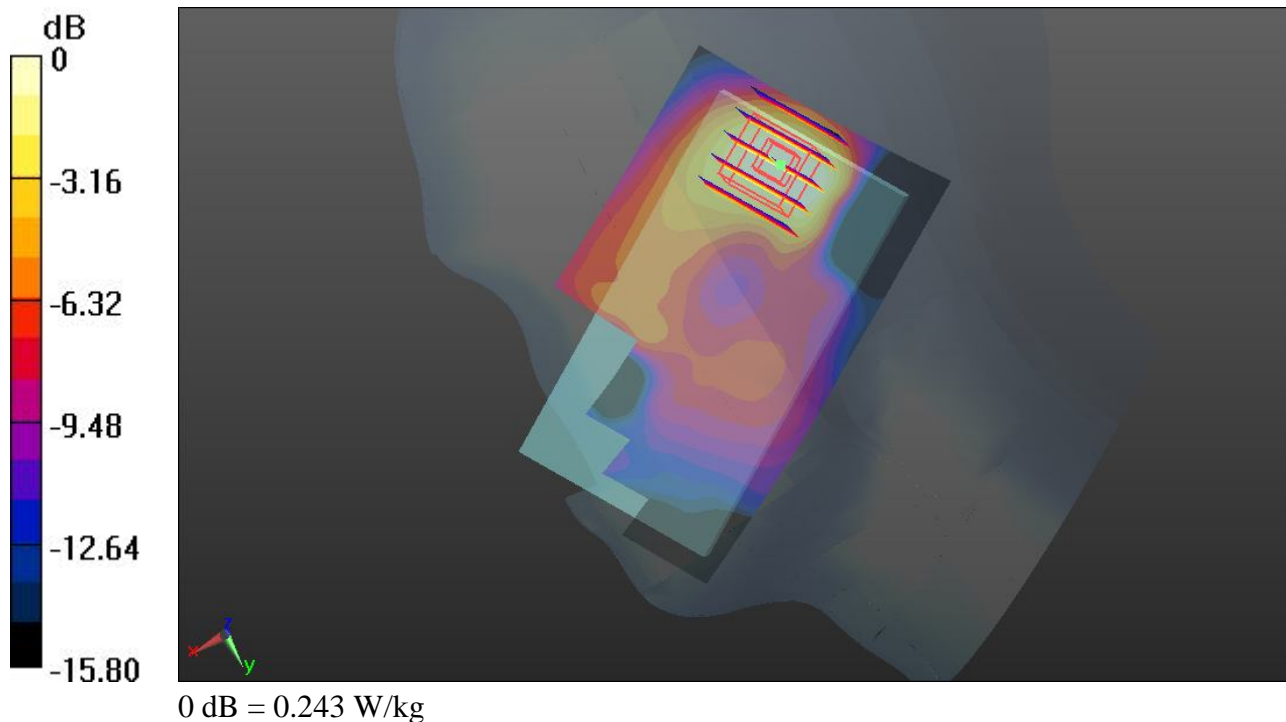
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $13.557$  V/m; Power Drift =  $0.06$  dB

Peak SAR (extrapolated) =  $0.289$  mW/g

**SAR(1 g) =  $0.188$  mW/g; SAR(10 g) =  $0.111$  mW/g**

Maximum value of SAR (measured) =  $0.243$  W/kg



**29 GSM1900\_GSM Voice\_Left Cheek\_Ch512****DUT: 332203**

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

Medium: HSL\_1900\_130407 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r =$

$39.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $21.6$  °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.576$  W/kg

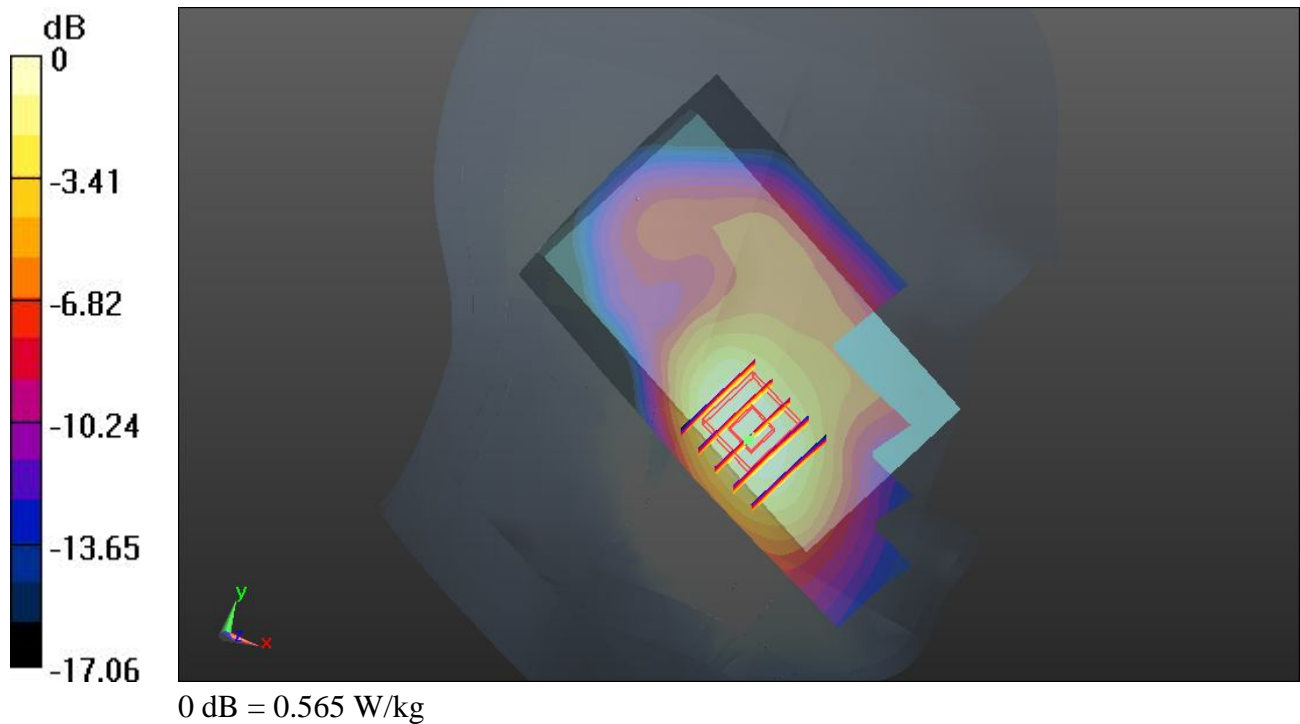
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $20.609$  V/m; Power Drift =  $-0.02$  dB

Peak SAR (extrapolated) =  $0.668$  mW/g

**SAR(1 g) =  $0.447$  mW/g; SAR(10 g) =  $0.280$  mW/g**

Maximum value of SAR (measured) =  $0.565$  W/kg



**30 GSM1900\_GSM Voice\_Left Tilted\_Ch512****DUT: 332203**

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

Medium: HSL\_1900\_130407 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.399$  mho/m;  $\epsilon_r =$

$39.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $21.6$  °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.239$  W/kg

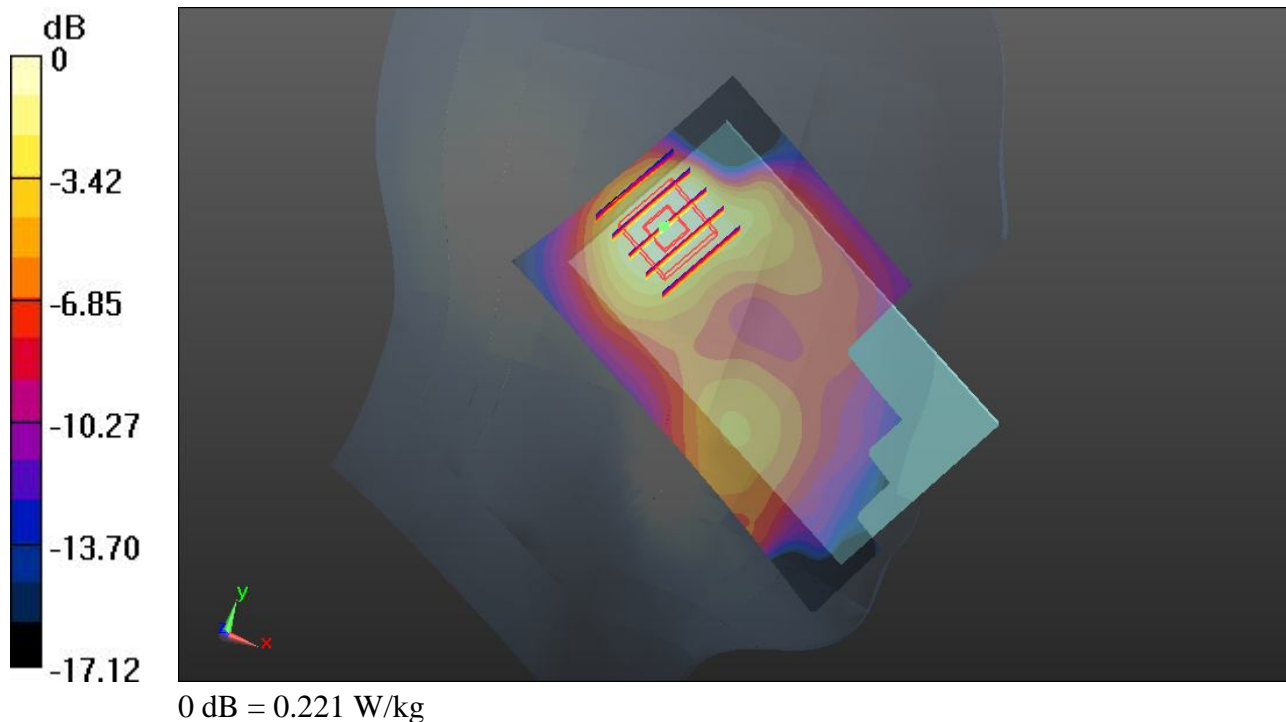
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $12.982$  V/m; Power Drift =  $0.04$  dB

Peak SAR (extrapolated) =  $0.259$  mW/g

**SAR(1 g) =  $0.174$  mW/g; SAR(10 g) =  $0.103$  mW/g**

Maximum value of SAR (measured) =  $0.221$  W/kg



**66 WCDMA V\_RMC 12.2K\_Right Cheek\_Ch4132****DUT: 332203**

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

Medium: HSL\_835\_130424 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.839$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.460 W/kg

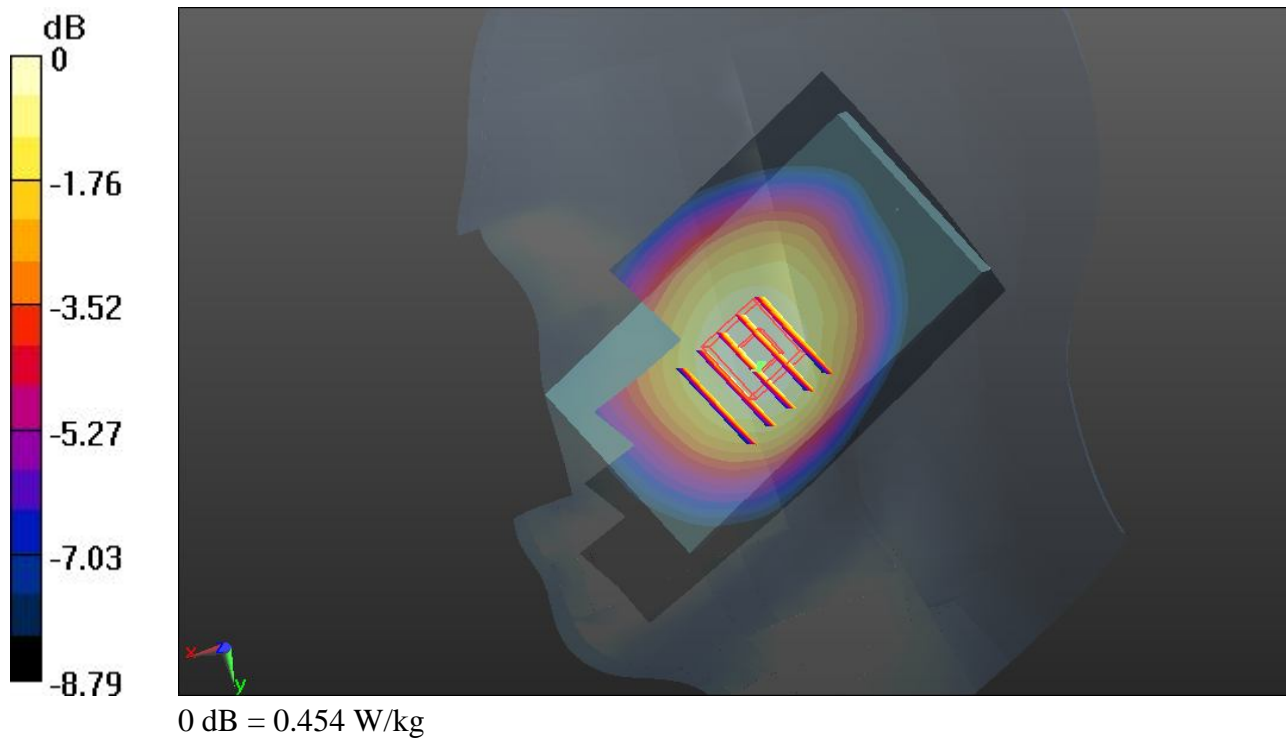
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.647 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.496 mW/g

**SAR(1 g) = 0.407 mW/g; SAR(10 g) = 0.313 mW/g**

Maximum value of SAR (measured) = 0.454 W/kg



**67 WCDMA V\_RMC 12.2K\_Right Tilted\_Ch4132****DUT: 332203**

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

Medium: HSL\_835\_130424 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.839$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.384 W/kg

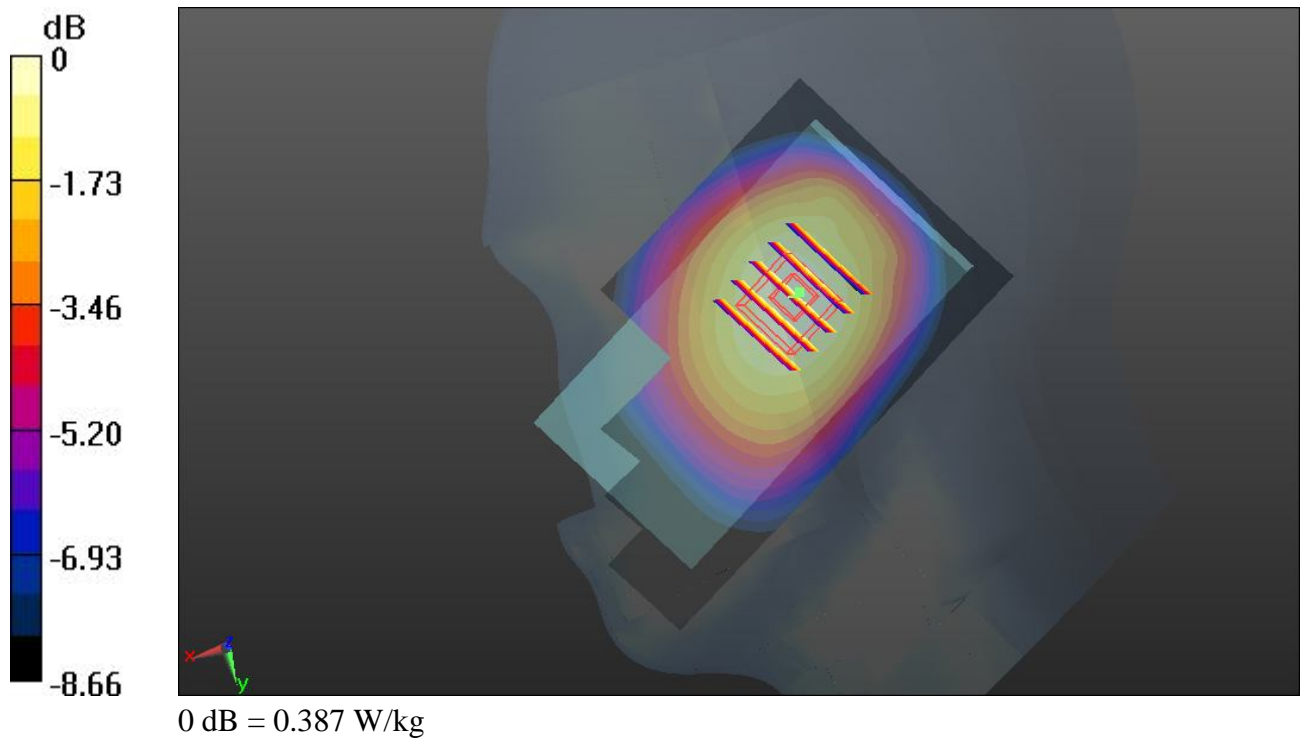
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.788 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.420 mW/g

**SAR(1 g) = 0.336 mW/g; SAR(10 g) = 0.258 mW/g**

Maximum value of SAR (measured) = 0.387 W/kg





**68 WCDMA V\_RMC 12.2K\_Left Cheek\_Ch4132****DUT: 332203**

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

Medium: HSL\_835\_130424 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.839$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.435 W/kg

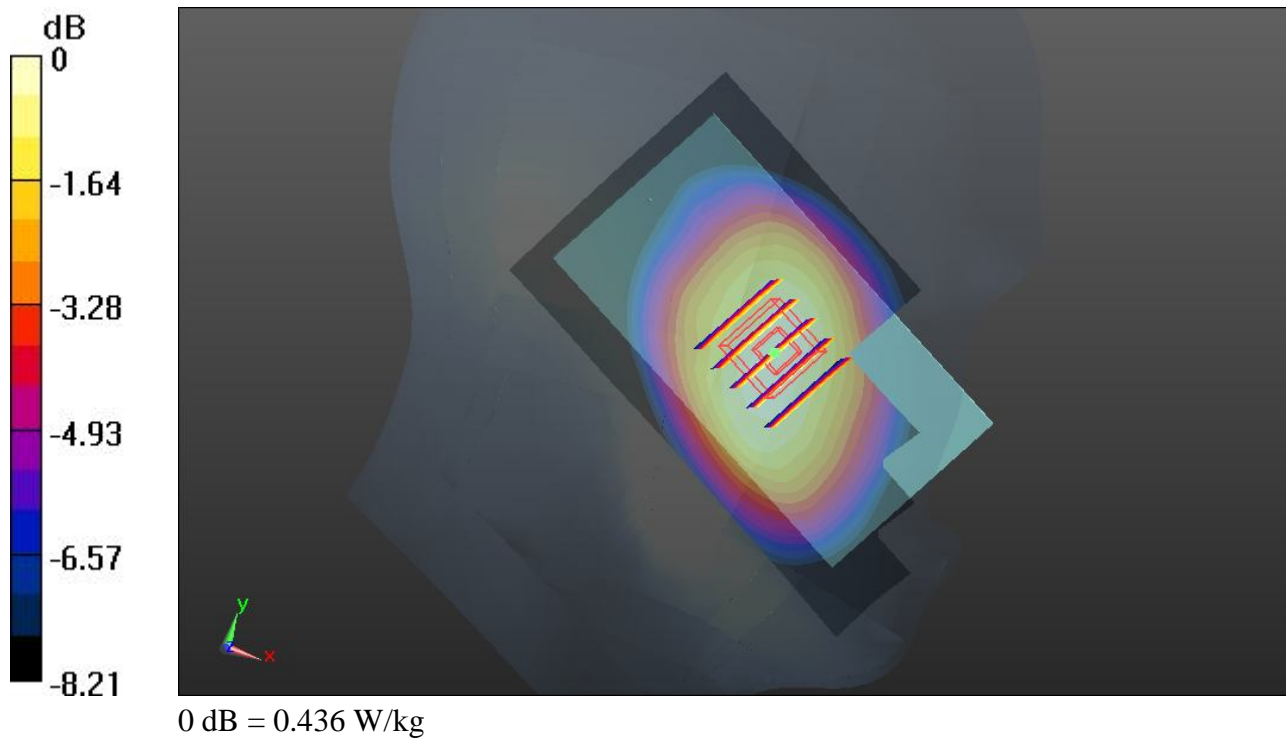
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.216 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.470 mW/g

**SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.293 mW/g**

Maximum value of SAR (measured) = 0.436 W/kg





**69 WCDMA V\_RMC 12.2K\_Left Tilted\_Ch4132****DUT: 332203**

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

Medium: HSL\_835\_130424 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.92$  mho/m;  $\epsilon_r = 42.839$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.347 W/kg

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

Reference Value = 19.679 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.383 mW/g

**SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.233 mW/g**

Maximum value of SAR (measured) = 0.352 W/kg

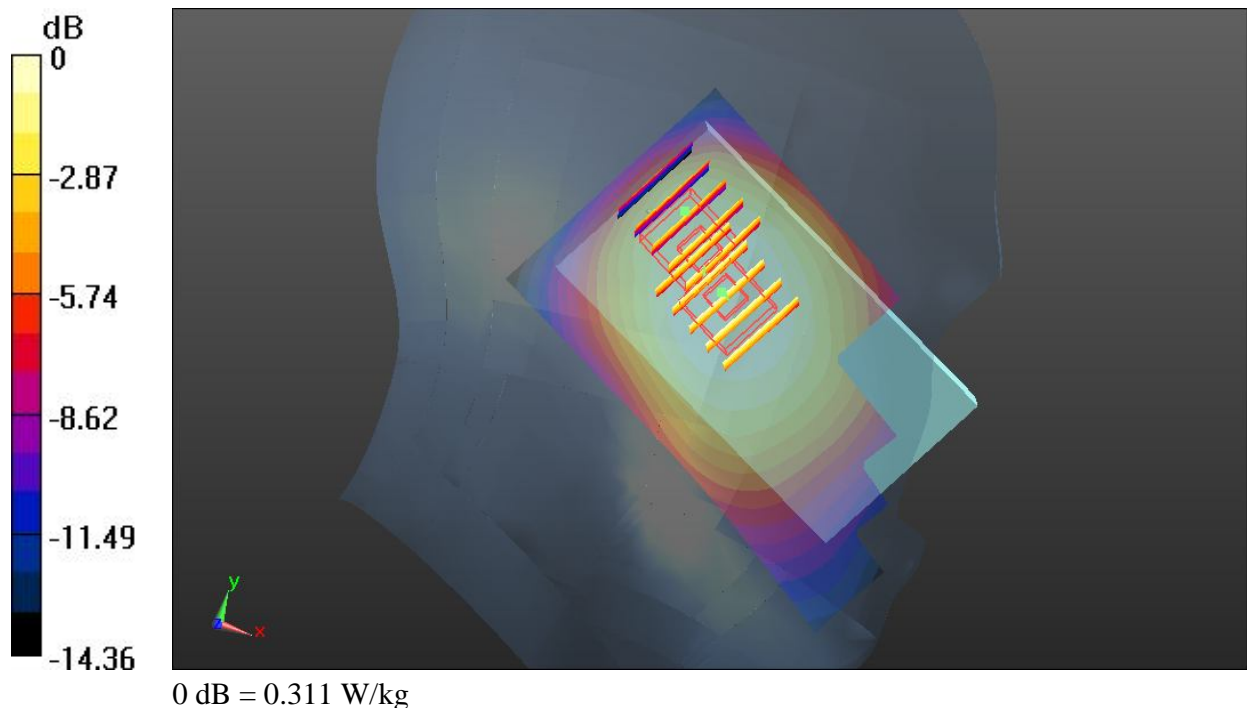
**Ch4132/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.679 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.339 mW/g

**SAR(1 g) = 0.242 mW/g; SAR(10 g) = 0.161 mW/g**

Maximum value of SAR (measured) = 0.311 W/kg



**31 WCDMA II\_RMC 12.2K\_Right Cheek\_Ch9262****DUT: 332203**

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

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.362$  mho/m;  $\epsilon_r = 39.807$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.628 W/kg

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

Reference Value = 22.232 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.750 mW/g

**SAR(1 g) = 0.508 mW/g; SAR(10 g) = 0.322 mW/g**

Maximum value of SAR (measured) = 0.626 W/kg

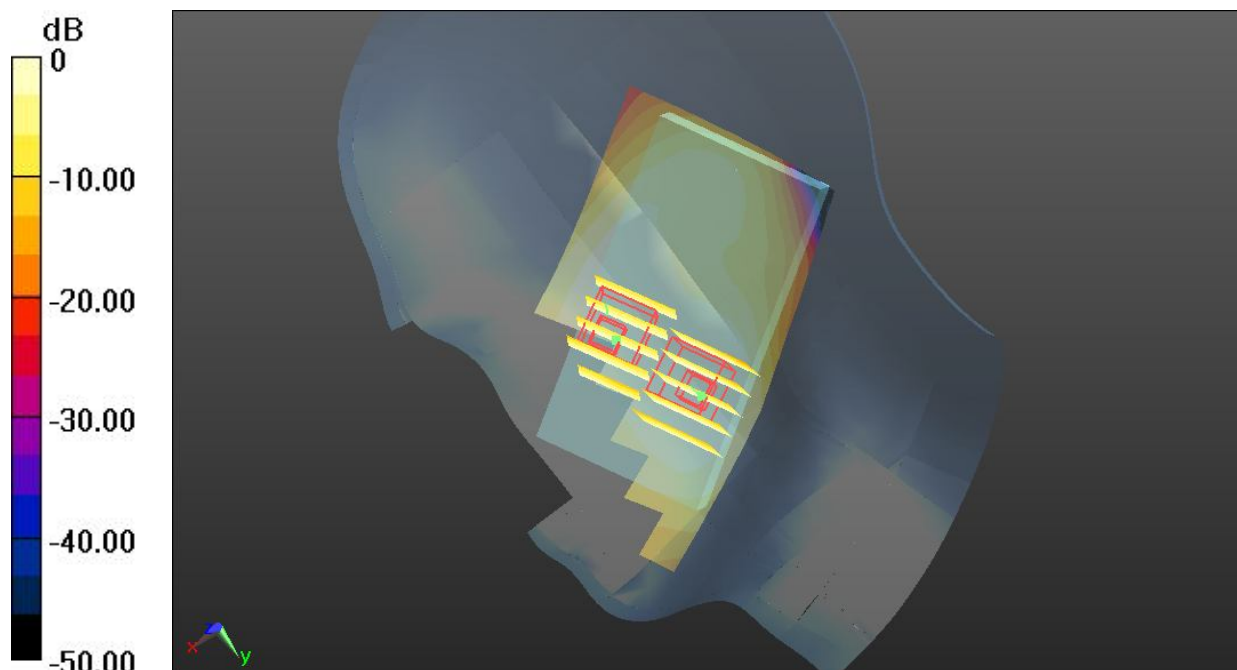
**Ch9262/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.232 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.580 mW/g

**SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.266 mW/g**

Maximum value of SAR (measured) = 0.491 W/kg



0 dB = 0.491 W/kg

**32 WCDMA II\_RMC 12.2K\_Right Tilted\_Ch9262****DUT: 332203**

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

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.362$  mho/m;  $\epsilon_r =$

$39.807$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.5$  °C ; Liquid Temperature :  $21.8$  °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (61x101x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.469$  W/kg

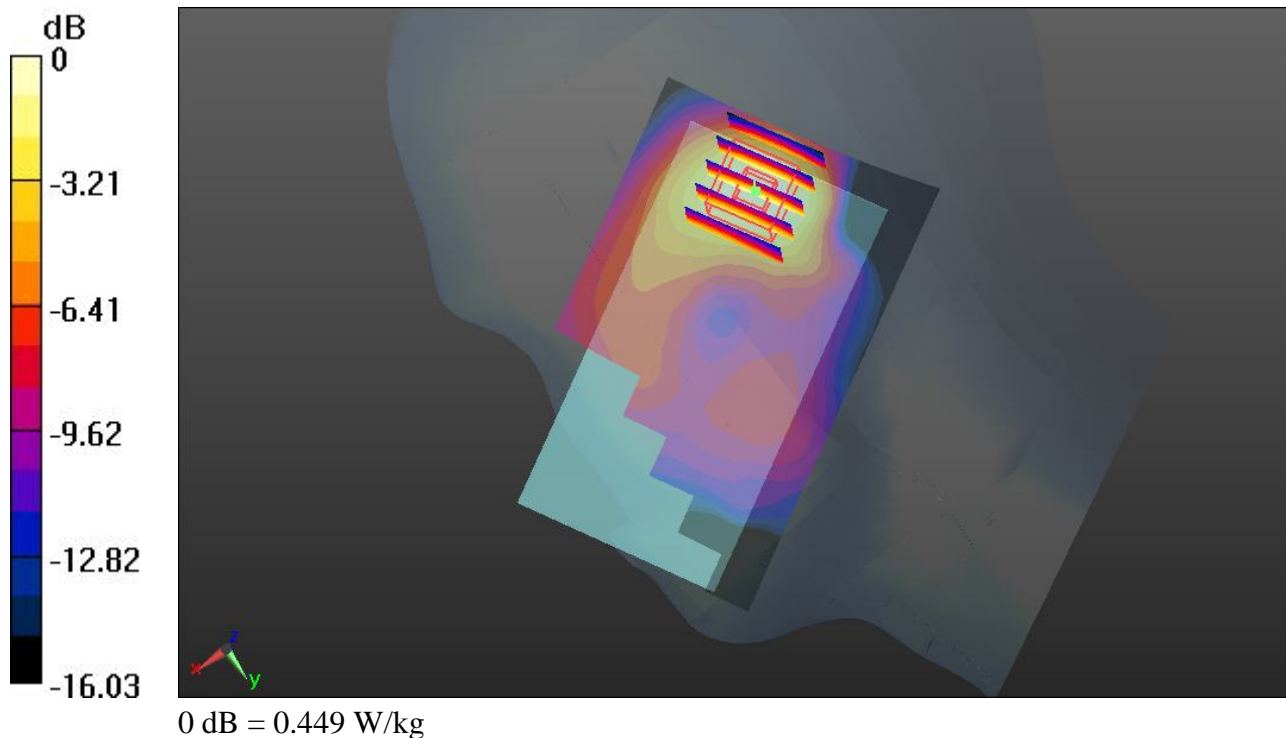
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $18.491$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $0.530$  mW/g

**SAR(1 g) =  $0.345$  mW/g; SAR(10 g) =  $0.203$  mW/g**

Maximum value of SAR (measured) =  $0.449$  W/kg



**33 WCDMA II\_RMC 12.2K\_Left Cheek\_Ch9262****DUT: 332203**

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

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.362$  mho/m;  $\epsilon_r =$ 39.807;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.10 W/kg

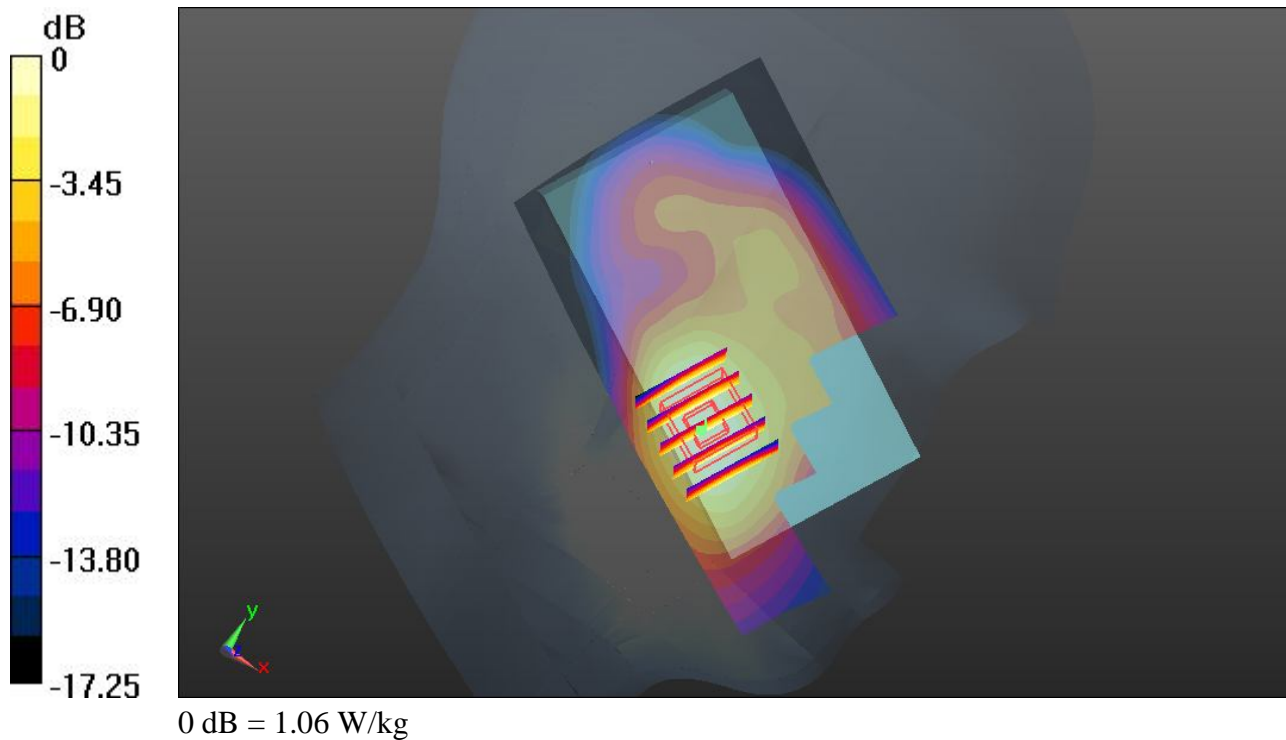
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.354 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.246 mW/g

**SAR(1 g) = 0.836 mW/g; SAR(10 g) = 0.523 mW/g**

Maximum value of SAR (measured) = 1.06 W/kg



**34 WCDMA II\_RMC 12.2K\_Left Tilted\_Ch9262****DUT: 332203**

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

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.362$  mho/m;  $\epsilon_r =$

$39.807$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.5$  °C ; Liquid Temperature :  $21.8$  °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (61x101x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.433$  W/kg

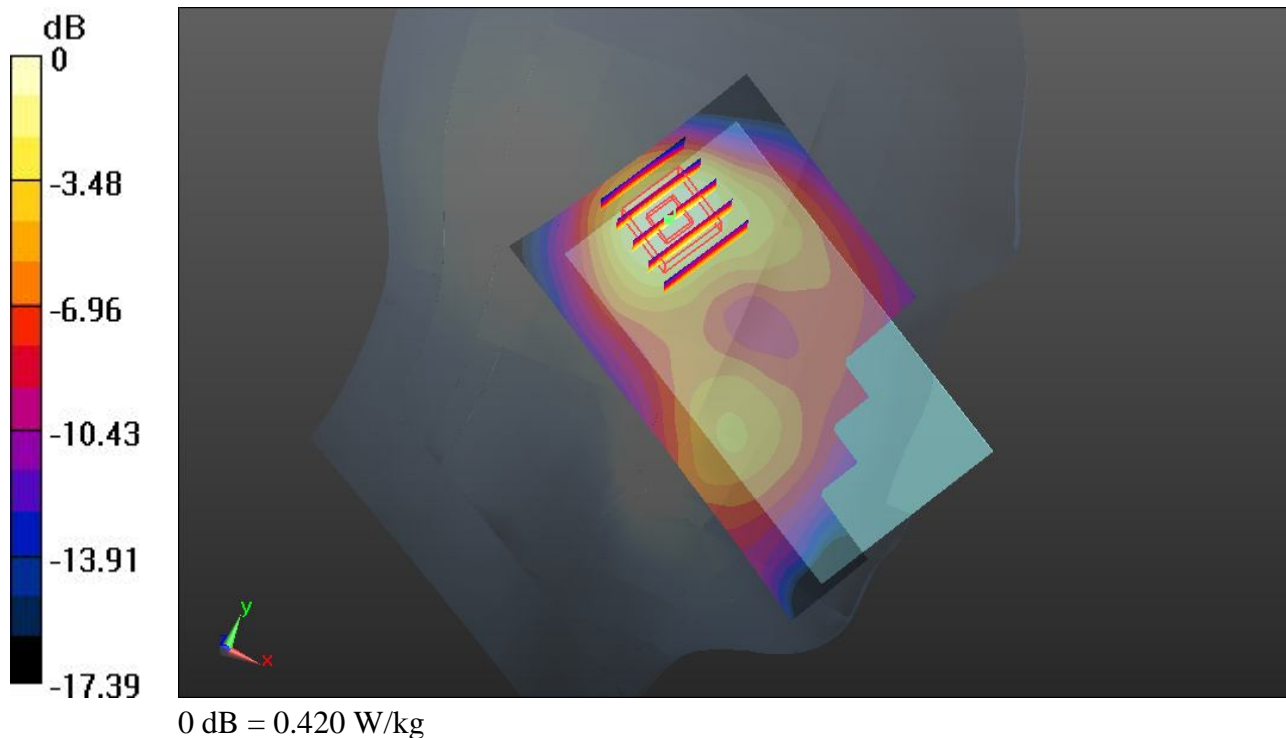
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $18.094$  V/m; Power Drift =  $-0.02$  dB

Peak SAR (extrapolated) =  $0.495$  mW/g

**SAR(1 g) =  $0.324$  mW/g; SAR(10 g) =  $0.191$  mW/g**

Maximum value of SAR (measured) =  $0.420$  W/kg



**35 WCDMA II\_RMC 12.2K\_Left Cheek\_Ch9400****DUT: 332203**

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

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.388$  mho/m;  $\epsilon_r =$ 39.717;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9400/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.16 W/kg

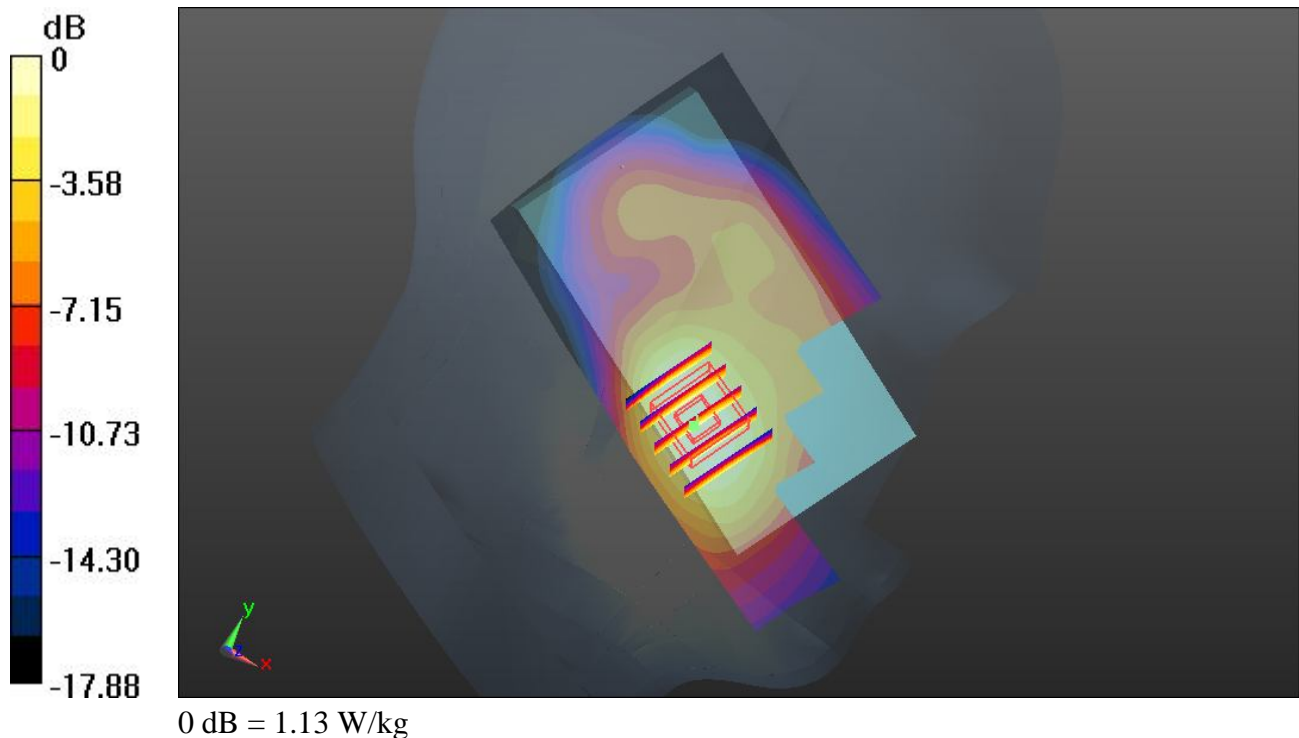
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.262 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.331 mW/g

**SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.550 mW/g**

Maximum value of SAR (measured) = 1.13 W/kg





**36 WCDMA II\_RMC 12.2K\_Left Cheek\_Ch9538****DUT: 332203**

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

Medium: HSL\_1900\_130417 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.414$  mho/m;  $\epsilon_r =$ 39.613;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.84, 7.84, 7.84); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9538/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.14 W/kg

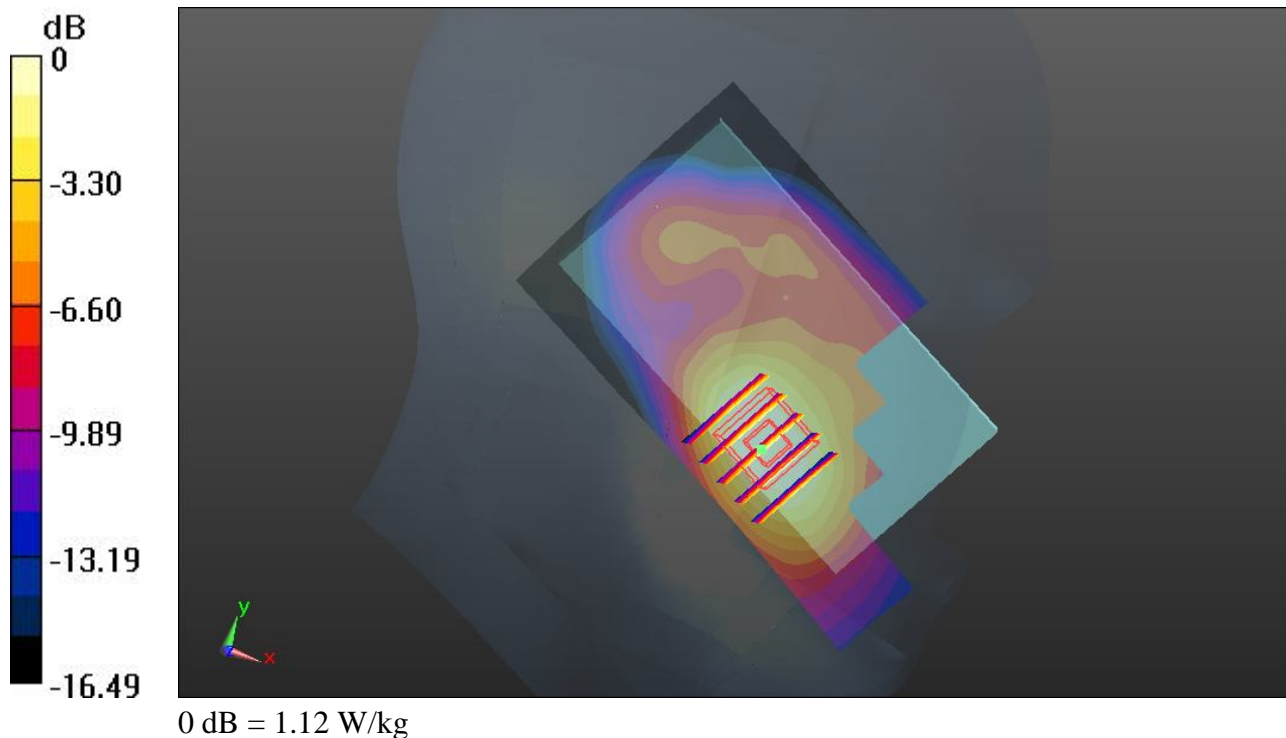
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.687 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.333 mW/g

**SAR(1 g) = 0.879 mW/g; SAR(10 g) = 0.538 mW/g**

Maximum value of SAR (measured) = 1.12 W/kg





**70 WLAN2.4G\_802.11b\_Right Cheek\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 37.627$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0908 W/kg

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.335 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.092 mW/g

**SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.031 mW/g**

Maximum value of SAR (measured) = 0.0724 W/kg

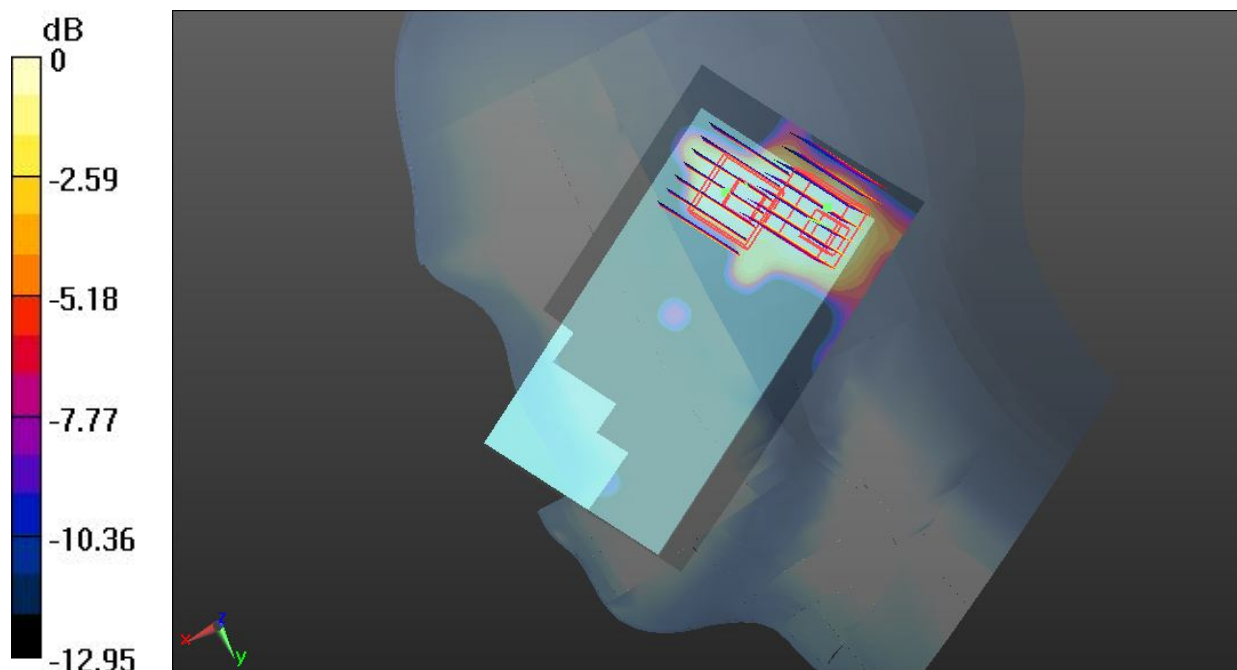
**Ch11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.335 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.079 mW/g

**SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.027 mW/g**

Maximum value of SAR (measured) = 0.0642 W/kg



0 dB = 0.0642 W/kg

**71 WLAN2.4G\_802.11b\_Right Tilted\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 37.627$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x131x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0729 W/kg

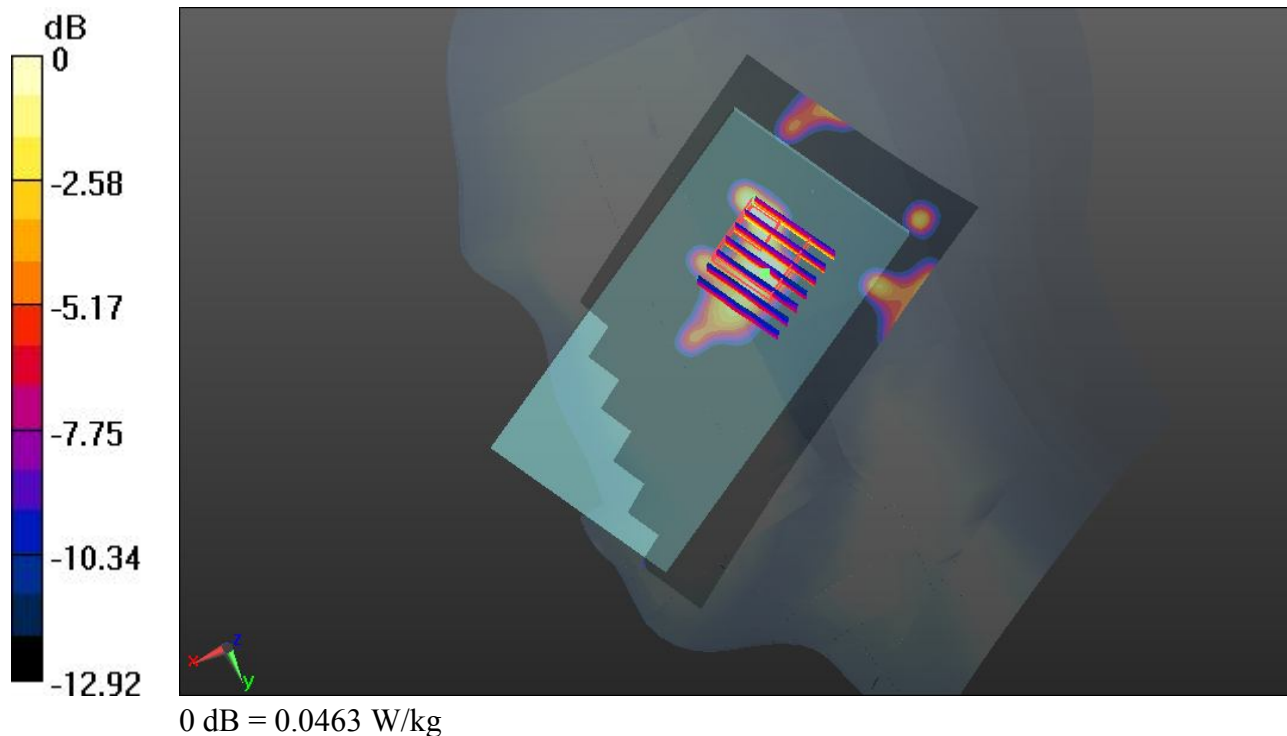
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.478 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.054 mW/g

**SAR(1 g) = 0.028 mW/g; SAR(10 g) = 0.015 mW/g**

Maximum value of SAR (measured) = 0.0463 W/kg



**72 WLAN2.4G\_802.11b\_Left Cheek\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 37.627$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x131x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.120 W/kg

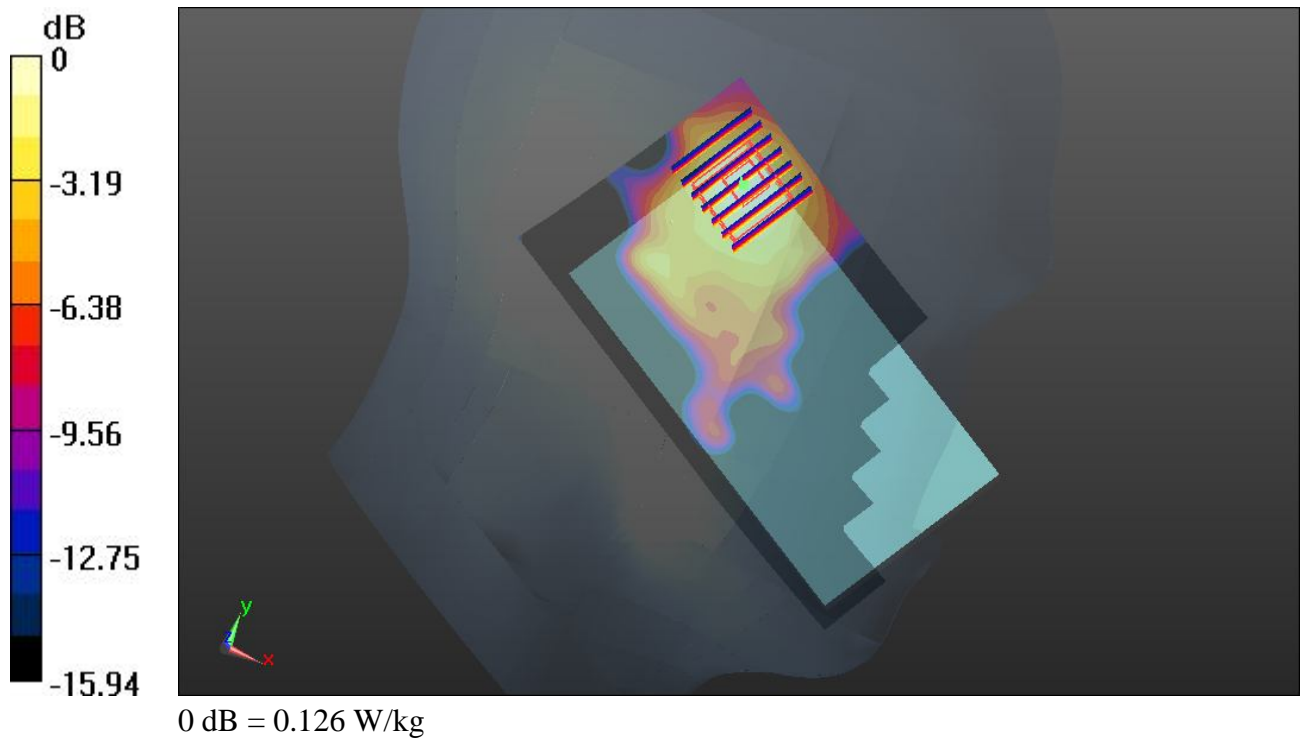
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.403 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.161 mW/g

**SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.045 mW/g**

Maximum value of SAR (measured) = 0.126 W/kg



**73 WLAN2.4G\_802.11b\_Left Tilted\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: HSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.87$  mho/m;  $\epsilon_r = 37.627$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.160 W/kg

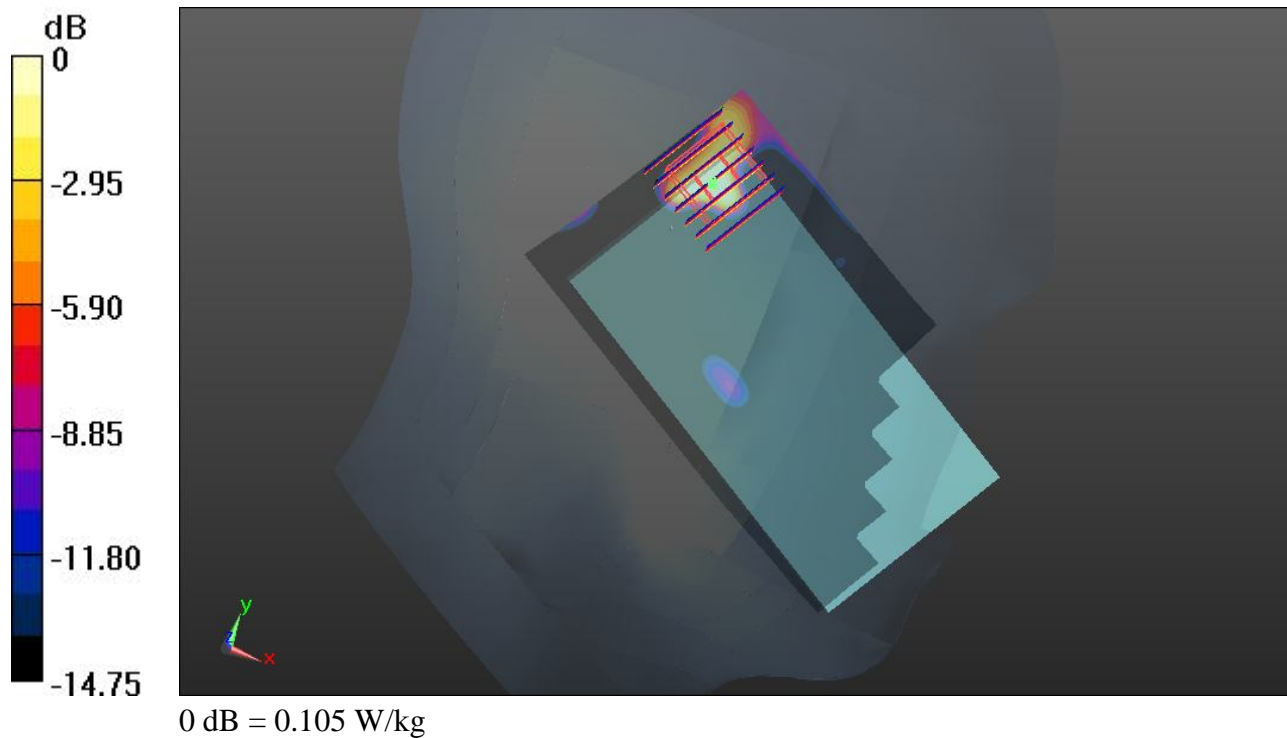
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.629 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.141 mW/g

**SAR(1 g) = 0.073 mW/g; SAR(10 g) = 0.038 mW/g**

Maximum value of SAR (measured) = 0.105 W/kg



**48 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch128****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ; $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.942 W/kg

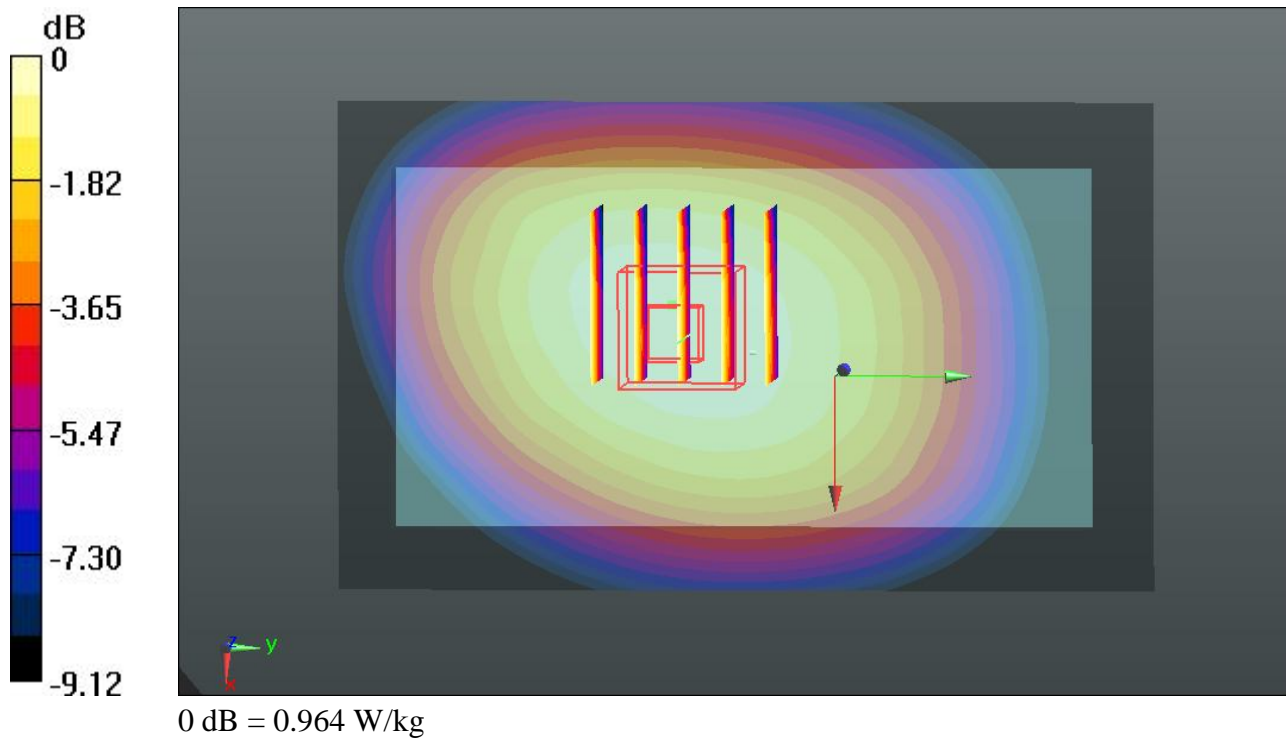
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.251 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.050 mW/g

**SAR(1 g) = 0.851 mW/g; SAR(10 g) = 0.657 mW/g**

Maximum value of SAR (measured) = 0.964 W/kg



**49 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch128****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ; $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.37 W/kg

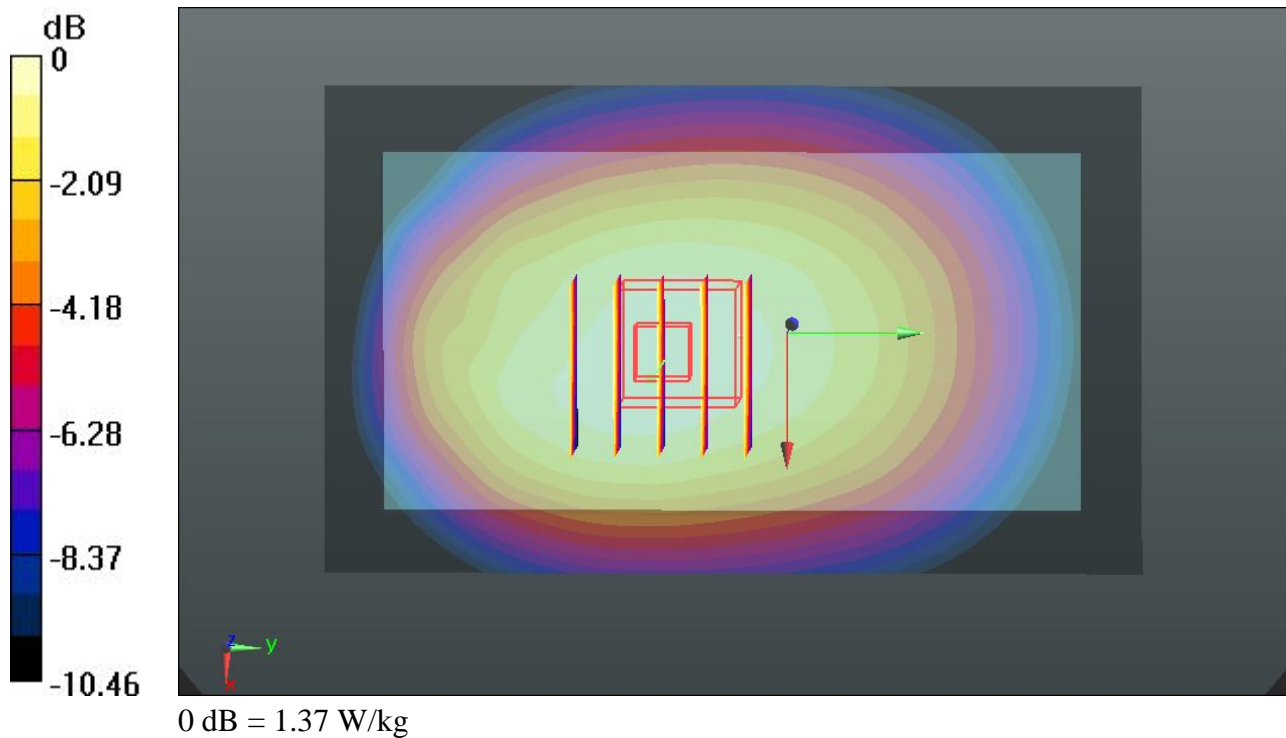
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.709 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.523 mW/g

**SAR(1 g) = 1.200 mW/g; SAR(10 g) = 0.902 mW/g**

Maximum value of SAR (measured) = 1.37 W/kg





**50 GSM850\_GPRS(4 Tx slots)\_Left Side\_1cm\_Ch128****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ; $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.835 W/kg

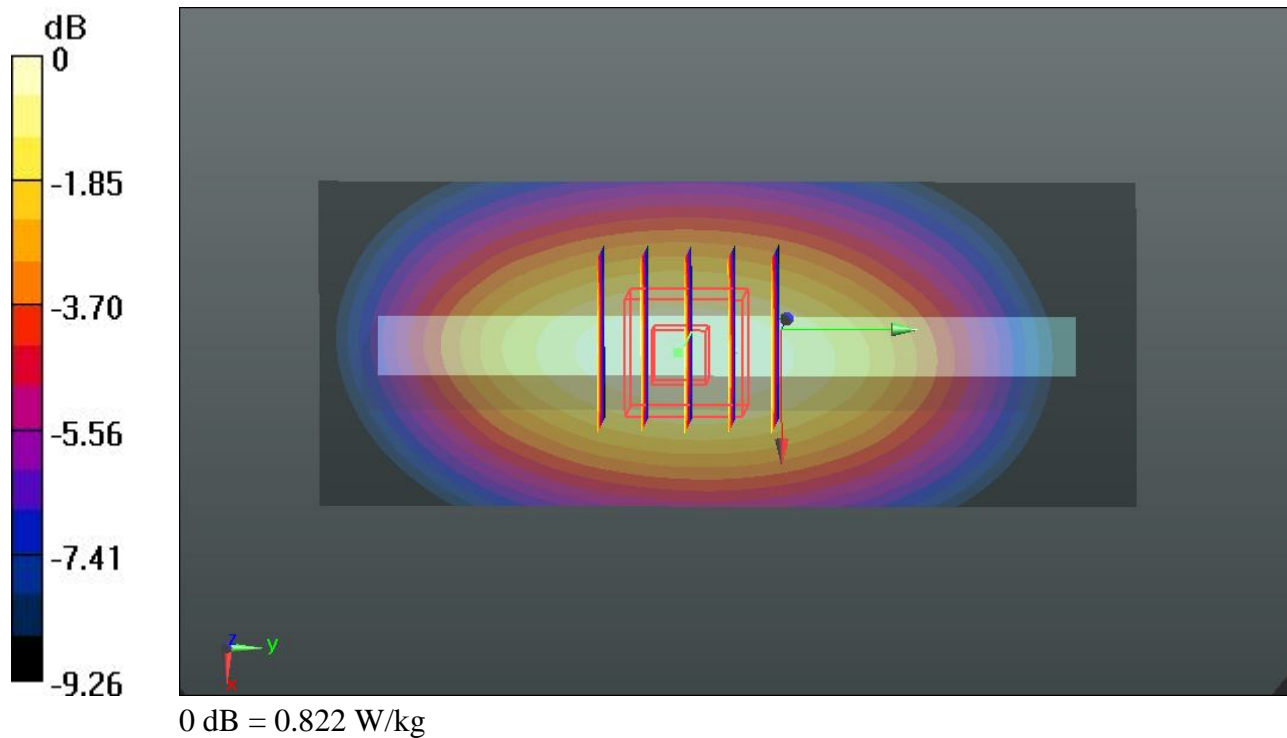
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.106 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.940 mW/g

**SAR(1 g) = 0.682 mW/g; SAR(10 g) = 0.477 mW/g**

Maximum value of SAR (measured) = 0.822 W/kg





**51 GSM850\_GPRS(4 Tx slots)\_Right Side\_1cm\_Ch128****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ; $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.798 W/kg

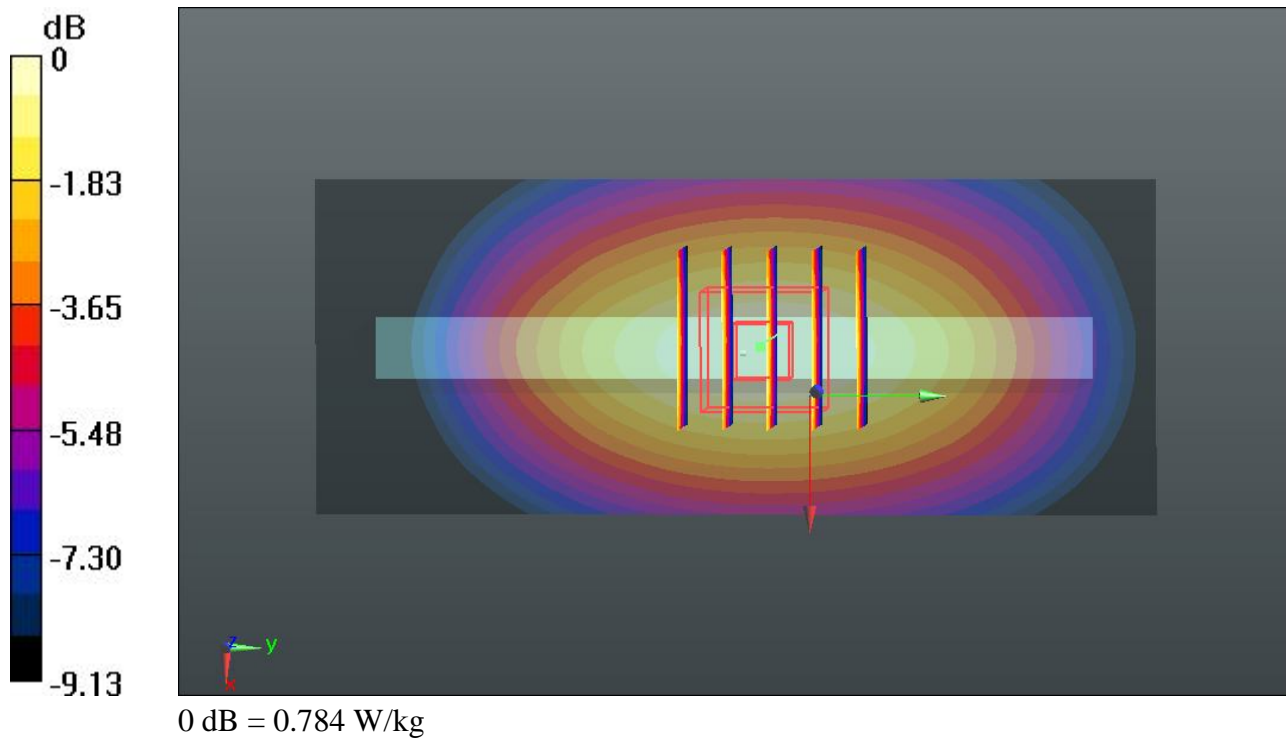
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.207 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.898 mW/g

**SAR(1 g) = 0.650 mW/g; SAR(10 g) = 0.457 mW/g**

Maximum value of SAR (measured) = 0.784 W/kg



**52 GSM850\_GPRS(4 Tx slots)\_Bottom Side\_1cm\_Ch128****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (41x71x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0630 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.079 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.080 mW/g

**SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.030 mW/g**

Maximum value of SAR (measured) = 0.0603 W/kg

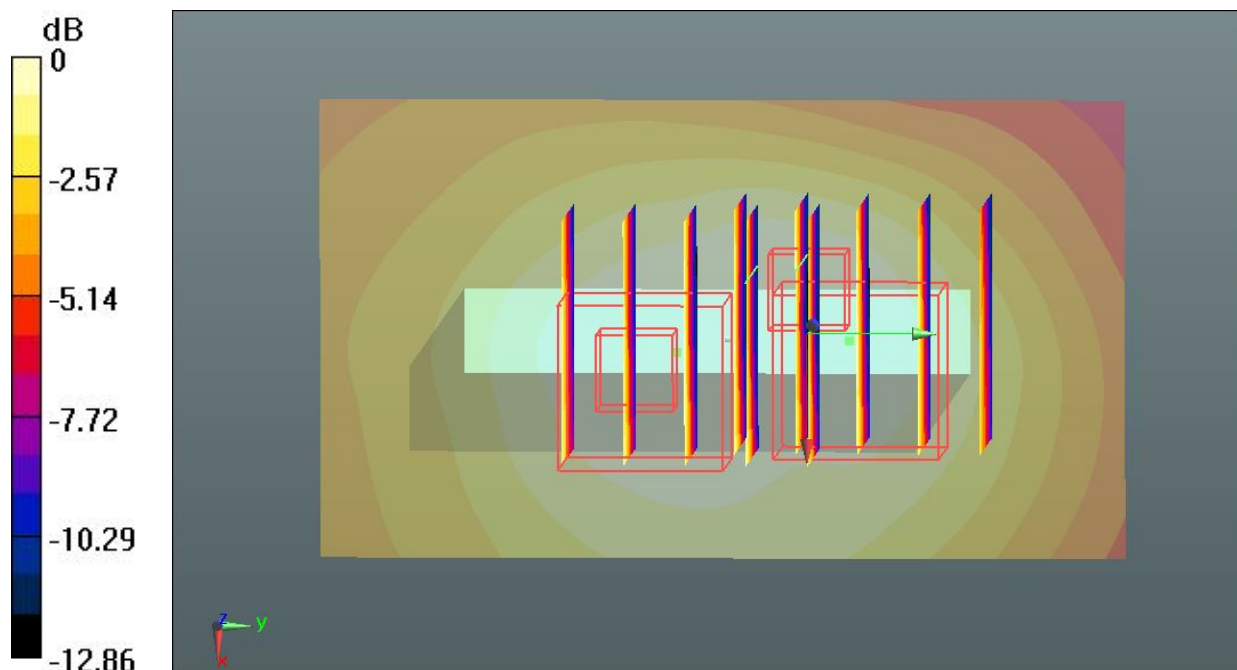
**Ch128/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.079 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.081 mW/g

**SAR(1 g) = 0.044 mW/g; SAR(10 g) = 0.028 mW/g**

Maximum value of SAR (measured) = 0.0594 W/kg



0 dB = 0.0594 W/kg

**53 GSM850\_GPRS(4 Tx slots)\_Front\_1cm\_Ch189****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r =$ 54.384;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch189/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.00 W/kg

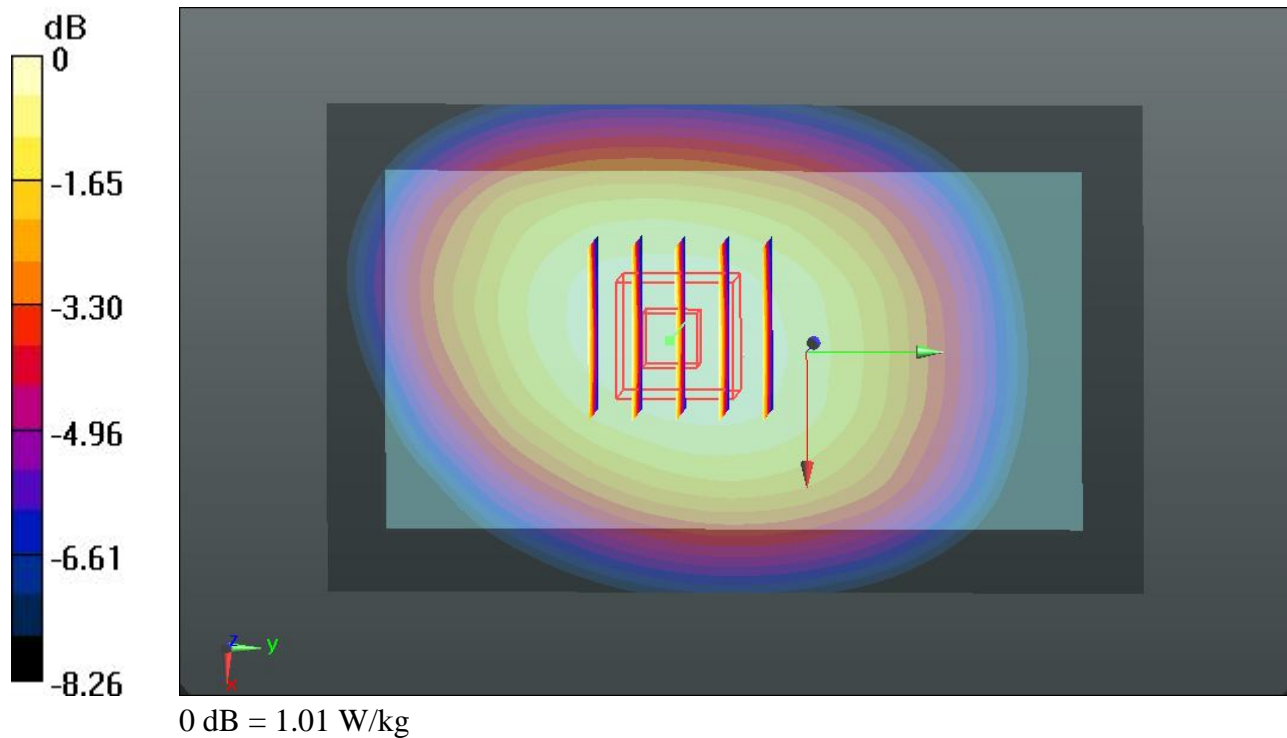
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.912 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.098 mW/g

**SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.691 mW/g**

Maximum value of SAR (measured) = 1.01 W/kg



**54 GSM850\_GPRS(4 Tx slots)\_Front\_1cm\_Ch251****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.274$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.04 W/kg

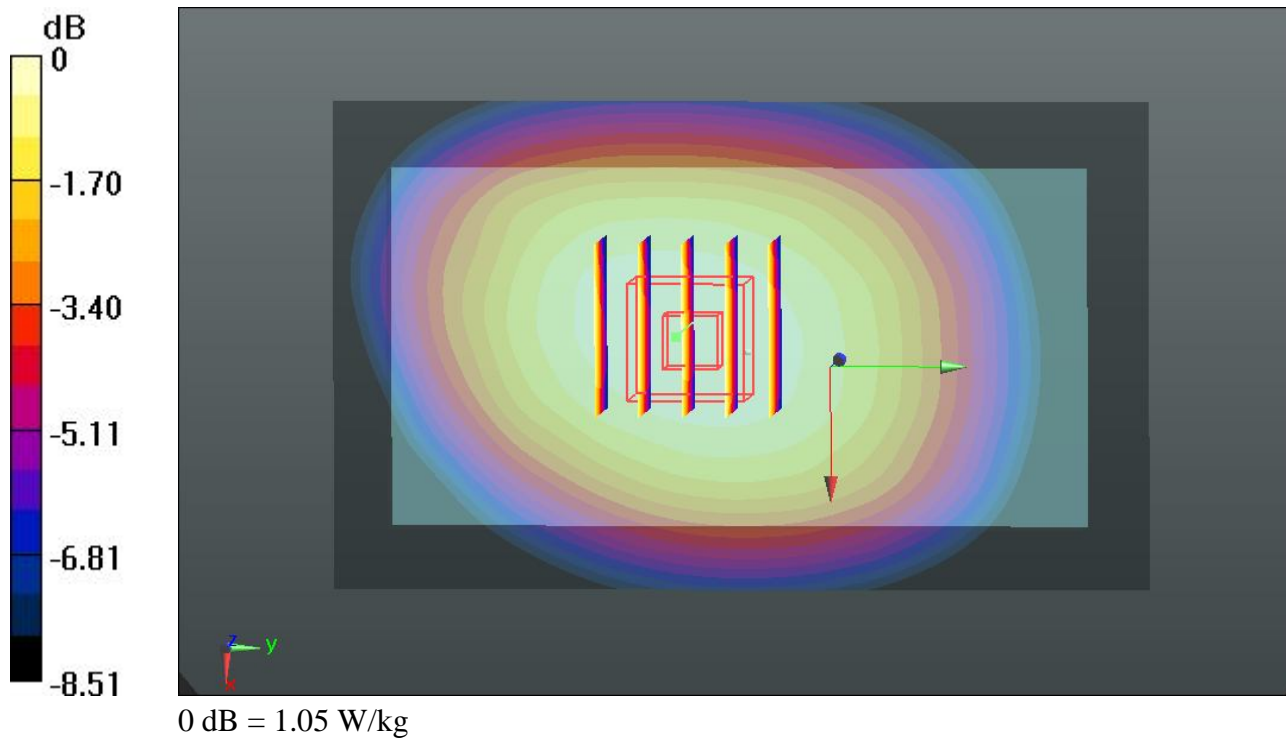
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.459 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.142 mW/g

**SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.715 mW/g**

Maximum value of SAR (measured) = 1.05 W/kg



**55 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch189****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r =$ 54.384;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch189/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.38 W/kg

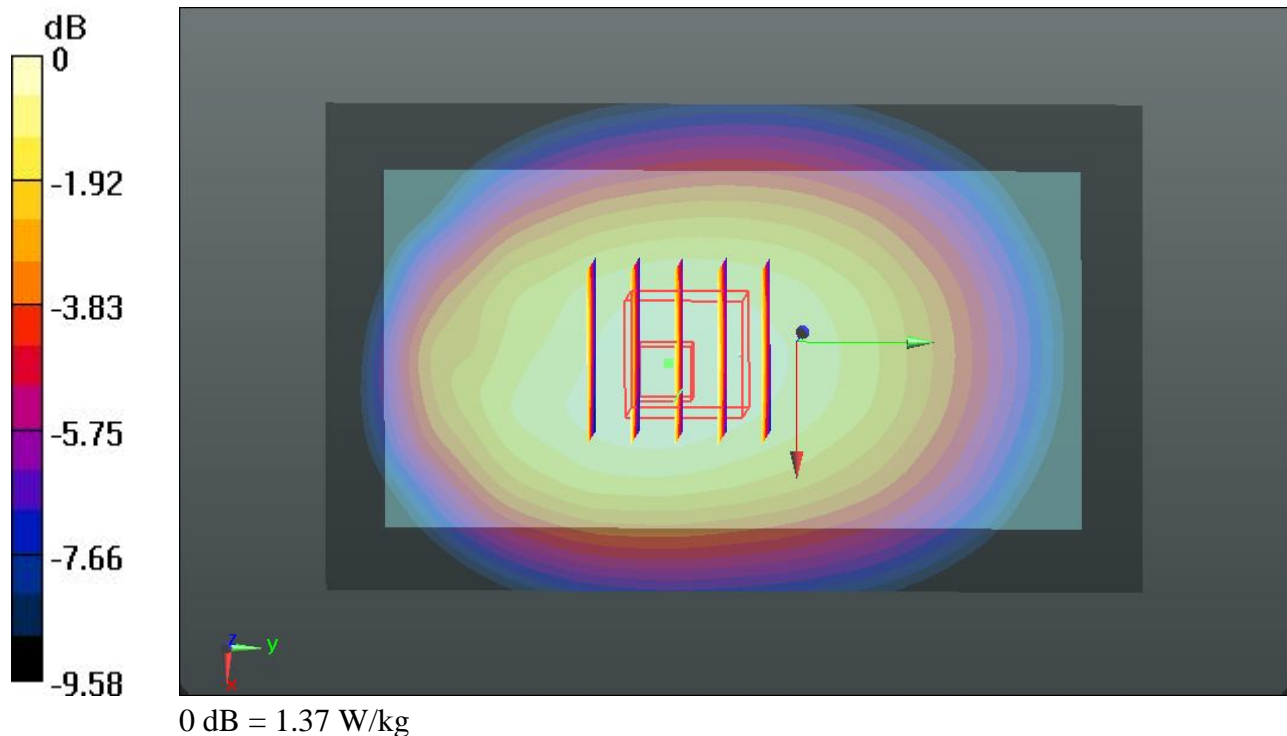
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.586 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.537 mW/g

**SAR(1 g) = 1.210 mW/g; SAR(10 g) = 0.911 mW/g**

Maximum value of SAR (measured) = 1.37 W/kg



**56 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch251****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.274$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.47 W/kg

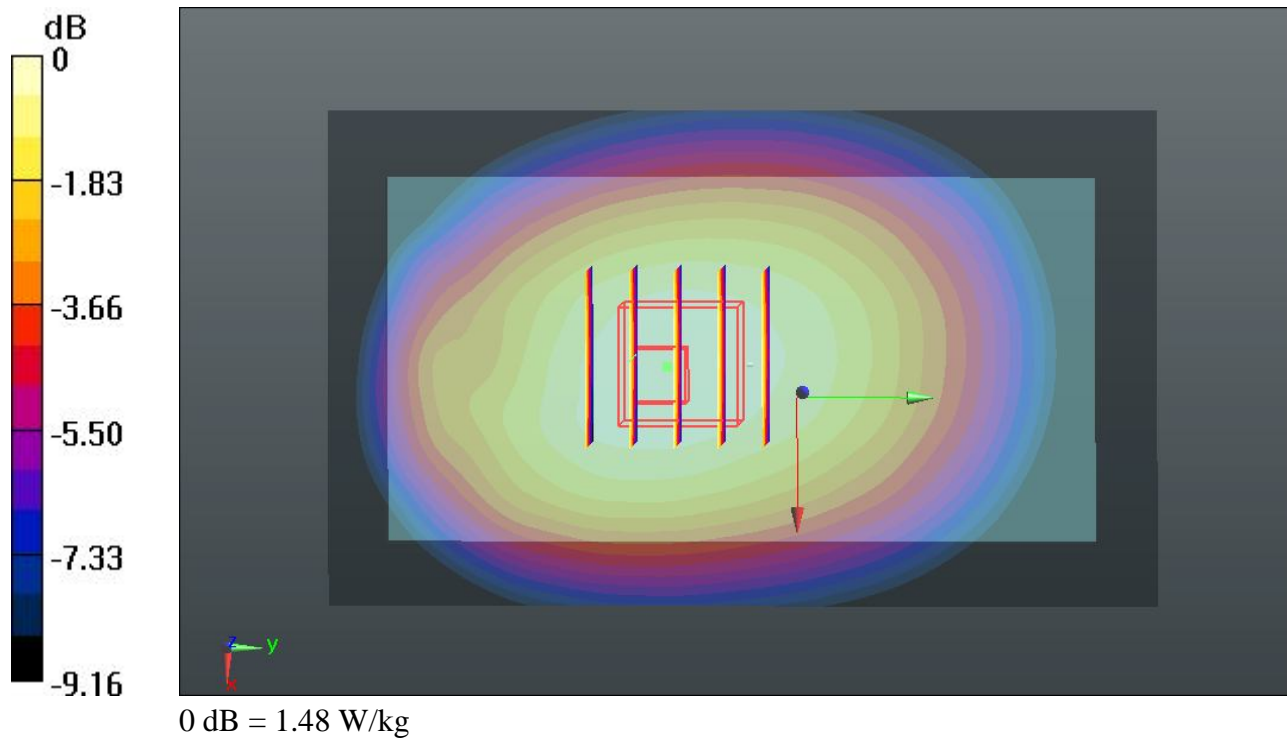
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.805 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.636 mW/g

**SAR(1 g) = 1.290 mW/g; SAR(10 g) = 0.978 mW/g**

Maximum value of SAR (measured) = 1.48 W/kg





**61 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch251\_Repeat SAR****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 848.8 MHz; Duty Cycle: 1:2

Medium: MSL\_835\_130423 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.274$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.39 W/kg

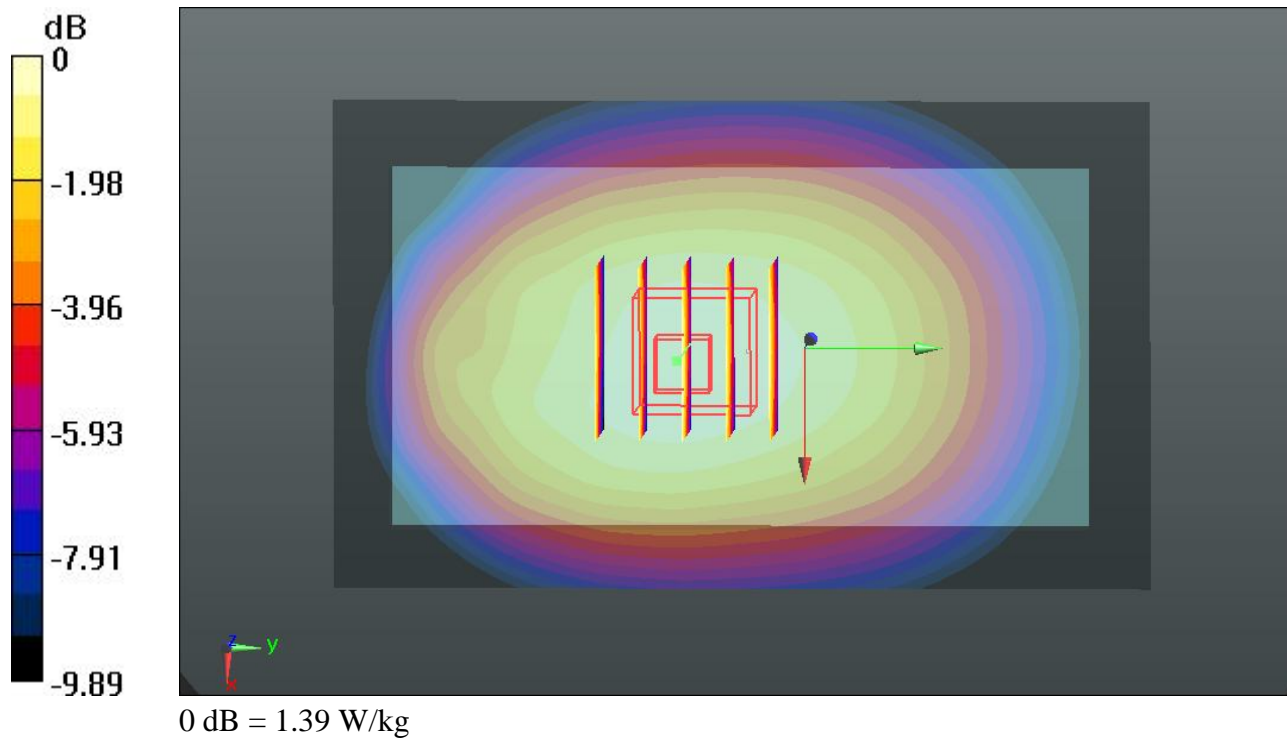
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 38.559 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.554 mW/g

**SAR(1 g) = 1.220 mW/g; SAR(10 g) = 0.925 mW/g**

Maximum value of SAR (measured) = 1.39 W/kg





**57 GSM850\_GSM Vioce\_Front\_1cm\_Ch128****DUT: 332203**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ;

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

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.617 W/kg

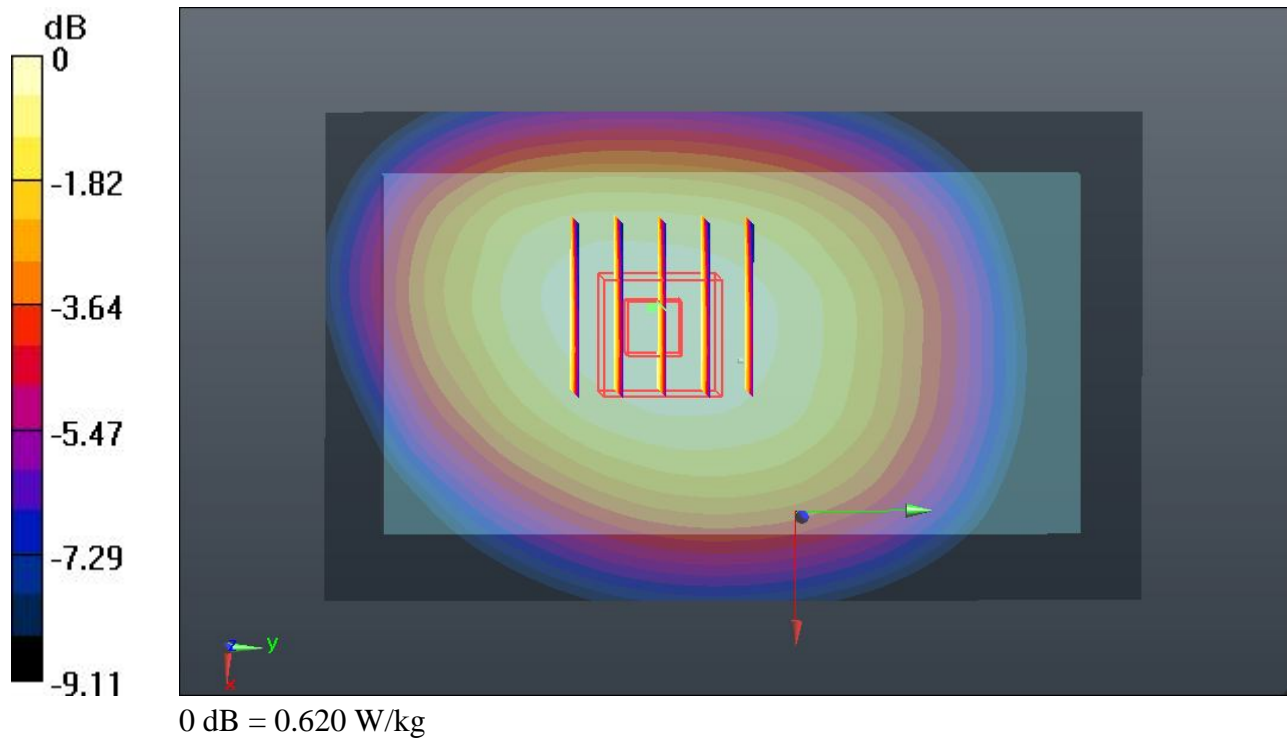
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.004 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.679 mW/g

**SAR(1 g) = 0.547 mW/g; SAR(10 g) = 0.421 mW/g**

Maximum value of SAR (measured) = 0.620 W/kg



**58 GSM850\_GSM Vioce\_Back\_1cm\_Ch128****DUT: 332203**

Communication System: Generic GSM; Frequency: 824.2 MHz; Duty Cycle: 1:8.3

Medium: MSL\_835\_130423 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.967$  mho/m;  $\epsilon_r = 54.47$ ; $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.969 W/kg

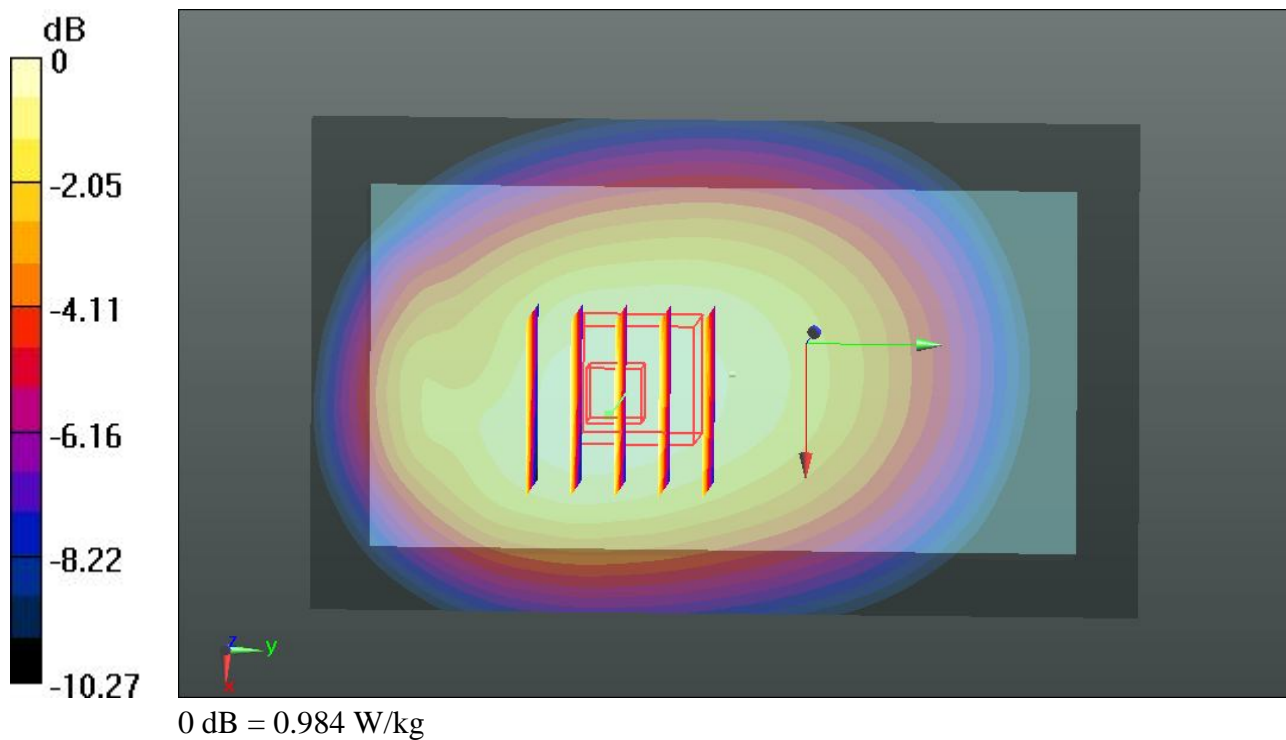
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.594 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.088 mW/g

**SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.640 mW/g**

Maximum value of SAR (measured) = 0.984 W/kg



**59 GSM850\_GSM Vioce\_Back\_1cm\_Ch189****DUT: 332203**

Communication System: Generic GSM; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: MSL\_835\_130423 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.978$  mho/m;  $\epsilon_r =$

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

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch189/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.960 W/kg

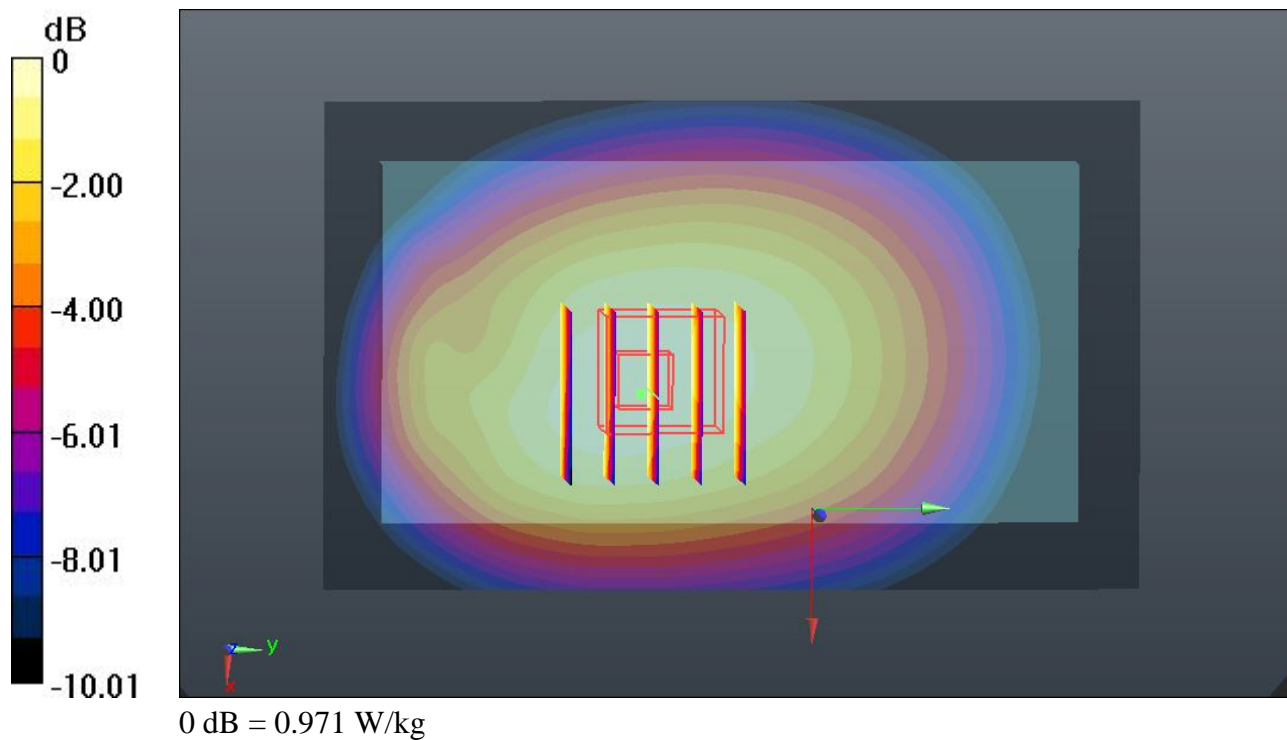
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.104 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.073 mW/g

**SAR(1 g) = 0.842 mW/g; SAR(10 g) = 0.633 mW/g**

Maximum value of SAR (measured) = 0.971 W/kg



**60 GSM850\_GSM Vioce\_Back\_1cm\_Ch251****DUT: 332203**

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

Medium: MSL\_835\_130423 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.99$  mho/m;  $\epsilon_r = 54.274$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.975 W/kg

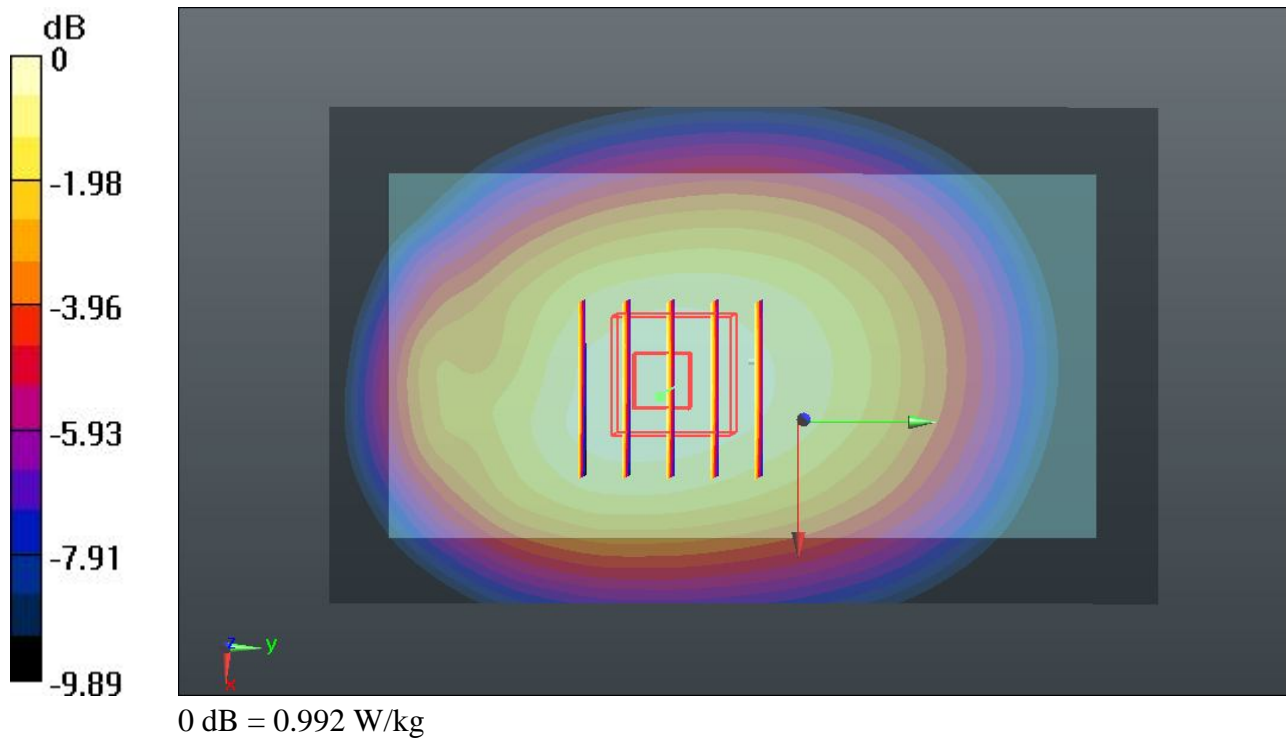
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.382 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.093 mW/g

**SAR(1 g) = 0.863 mW/g; SAR(10 g) = 0.650 mW/g**

Maximum value of SAR (measured) = 0.992 W/kg



**37 GSM1900\_GPRS(4 Tx slots)\_Front\_1cm\_Ch512****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r =$ 54.972;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.809 W/kg

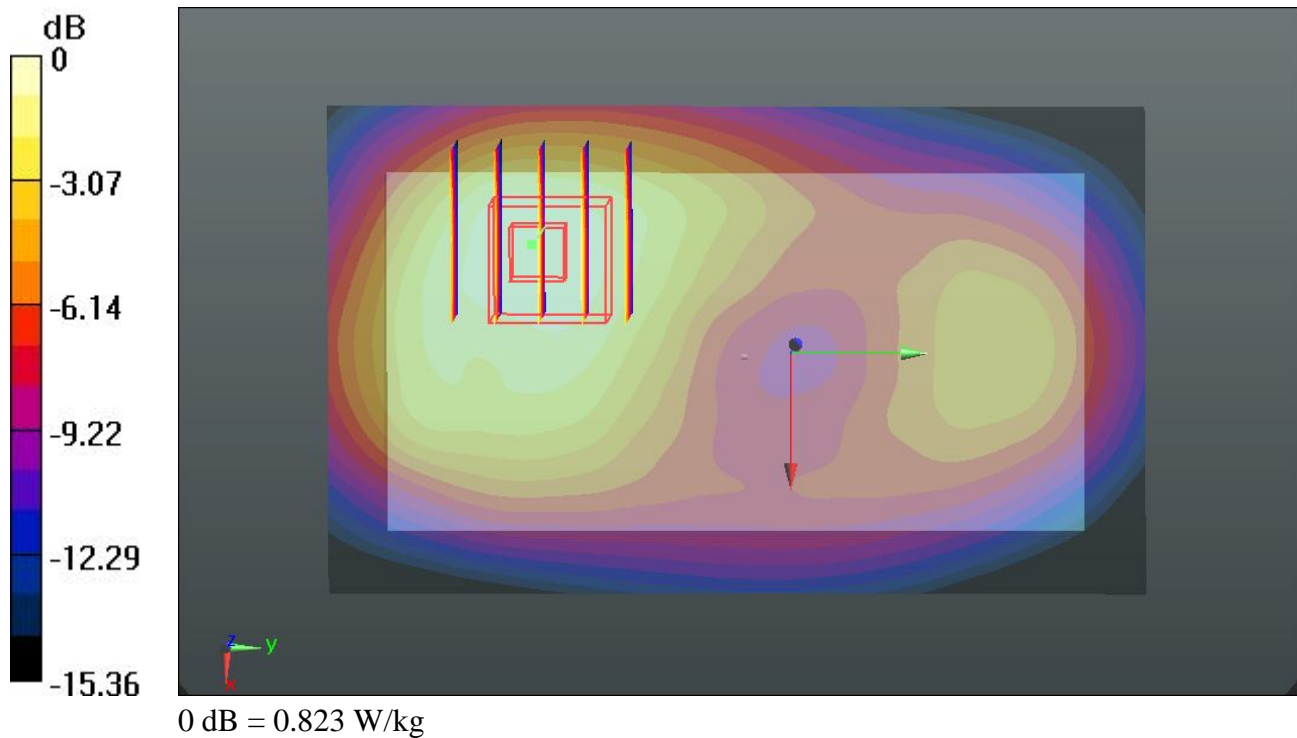
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.201 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.999 mW/g

**SAR(1 g) = 0.644 mW/g; SAR(10 g) = 0.403 mW/g**

Maximum value of SAR (measured) = 0.823 W/kg



**38 GSM1900\_GPRS(4 Tx slots)\_Back\_1cm\_Ch512****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r =$ 54.972;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.05 W/kg

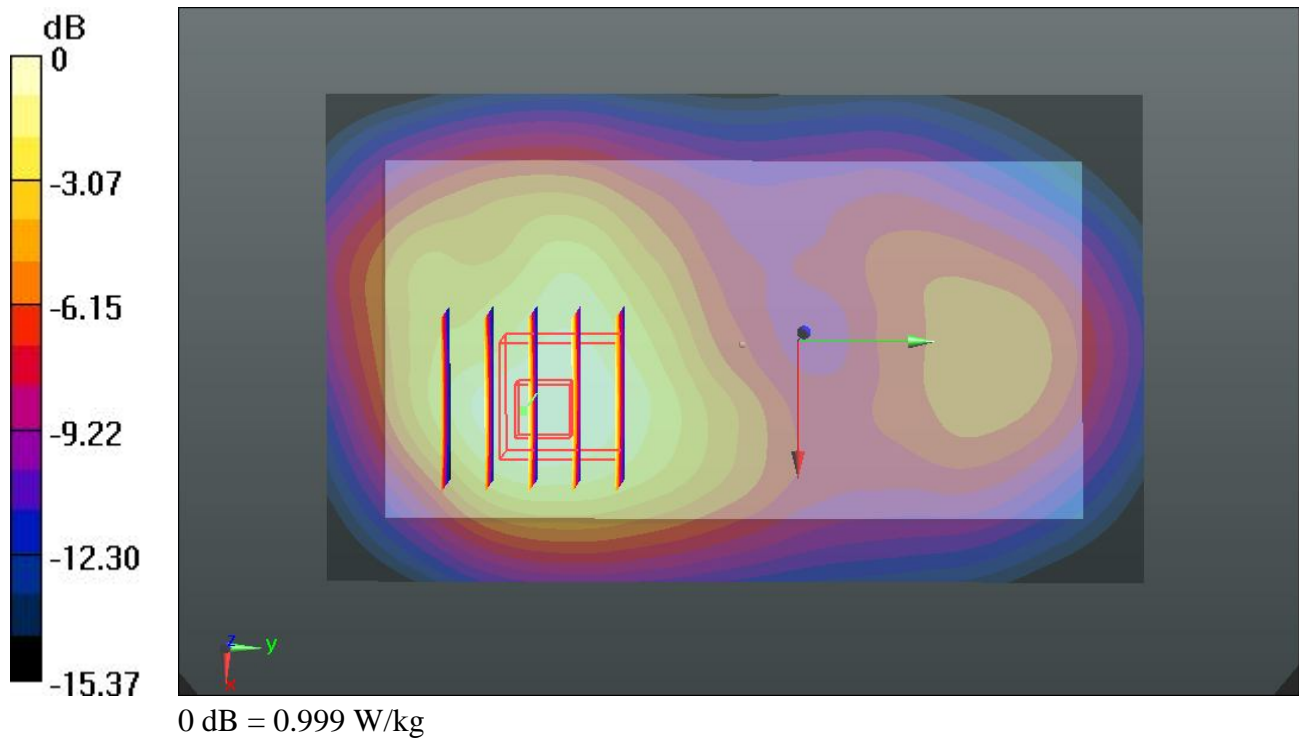
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.510 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.212 mW/g

**SAR(1 g) = 0.784 mW/g; SAR(10 g) = 0.486 mW/g**

Maximum value of SAR (measured) = 0.999 W/kg





**39 GSM1900\_GPRS(4 Tx slots)\_Left Side\_1cm\_Ch512****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r = 54.972$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.316 W/kg

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

Reference Value = 15.207 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.397 mW/g

**SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.145 mW/g**

Maximum value of SAR (measured) = 0.326 W/kg

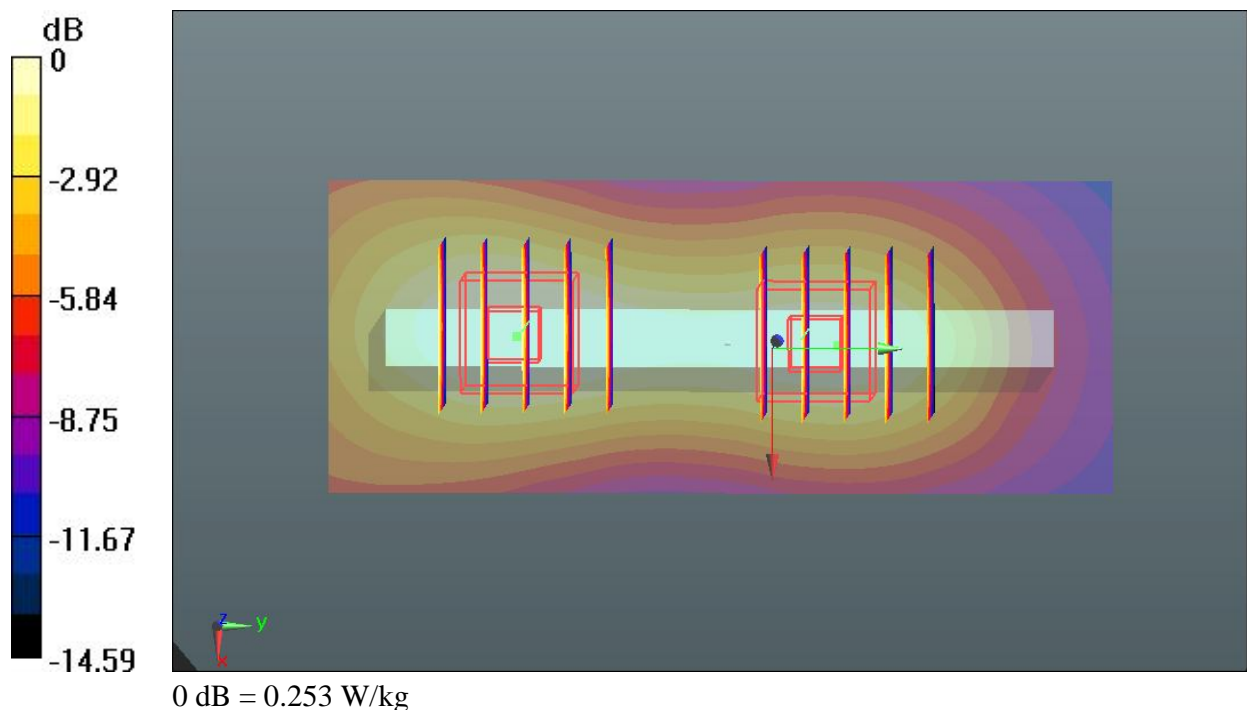
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.207 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.306 mW/g

**SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.119 mW/g**

Maximum value of SAR (measured) = 0.253 W/kg





**40 GSM1900\_GPRS(4 Tx slots)\_Right Side\_1cm\_Ch512****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r = 54.972$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.152 W/kg

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

Reference Value = 10.113 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.177 mW/g

**SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.070 mW/g**

Maximum value of SAR (measured) = 0.146 W/kg

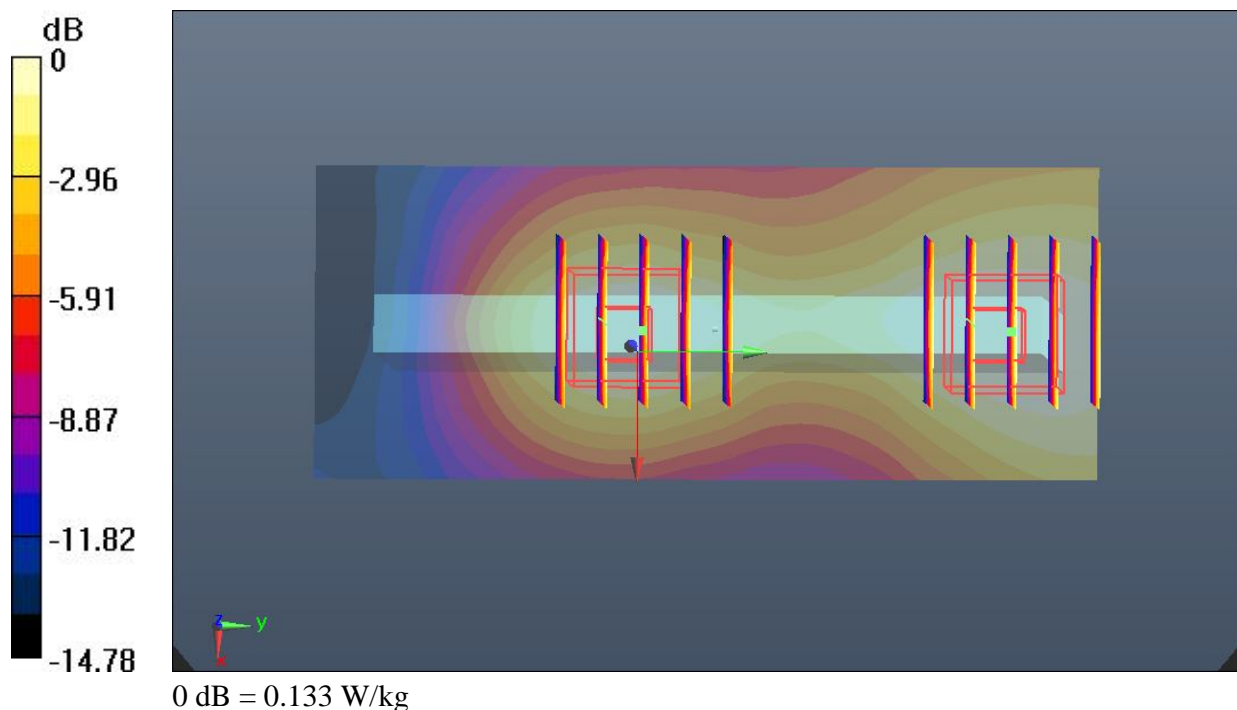
**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.113 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.161 mW/g

**SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.063 mW/g**

Maximum value of SAR (measured) = 0.133 W/kg



**41 GSM1900\_GPRS(4 Tx slots)\_Bottom Side\_1cm\_Ch512****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r =$ 54.972;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (interpolated) = 0.523 W/kg

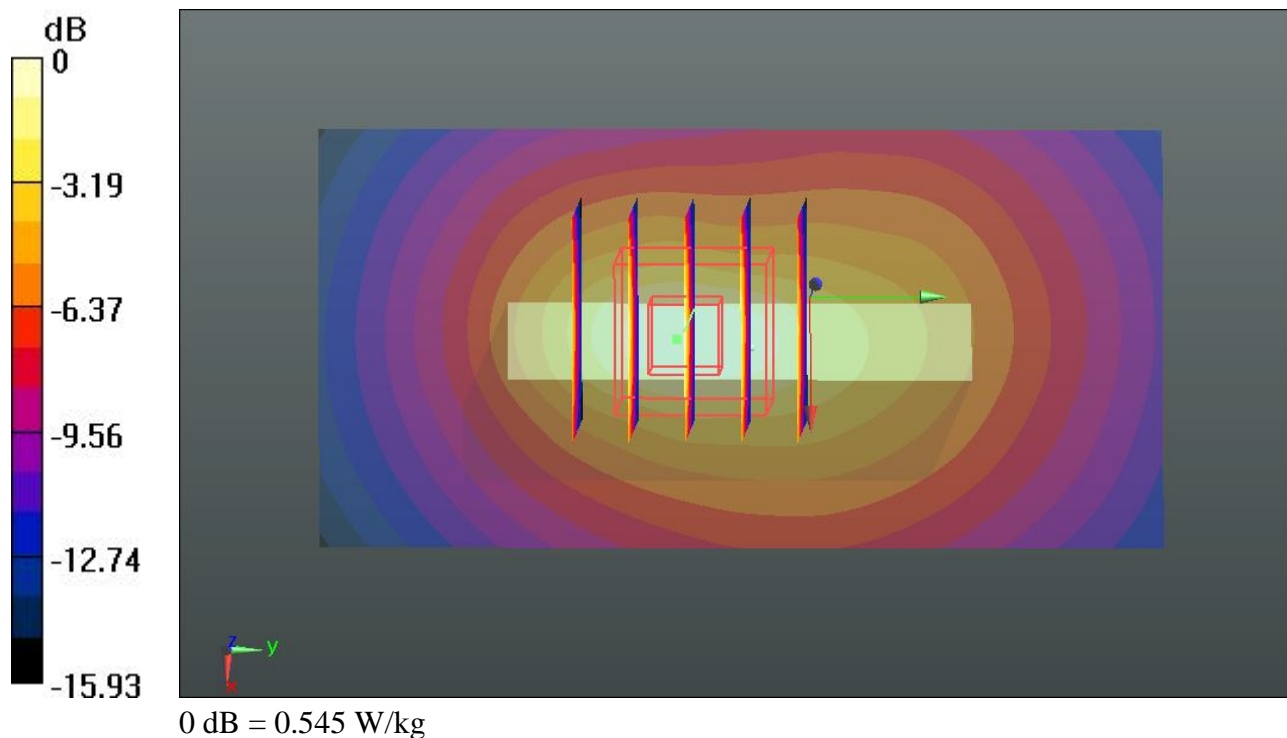
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.689 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.651 mW/g

**SAR(1 g) = 0.398 mW/g; SAR(10 g) = 0.220 mW/g**

Maximum value of SAR (measured) = 0.545 W/kg



**42 GSM1900\_GPRS(4 Tx slots)\_Front\_1cm\_Ch661****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch661/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.741 W/kg

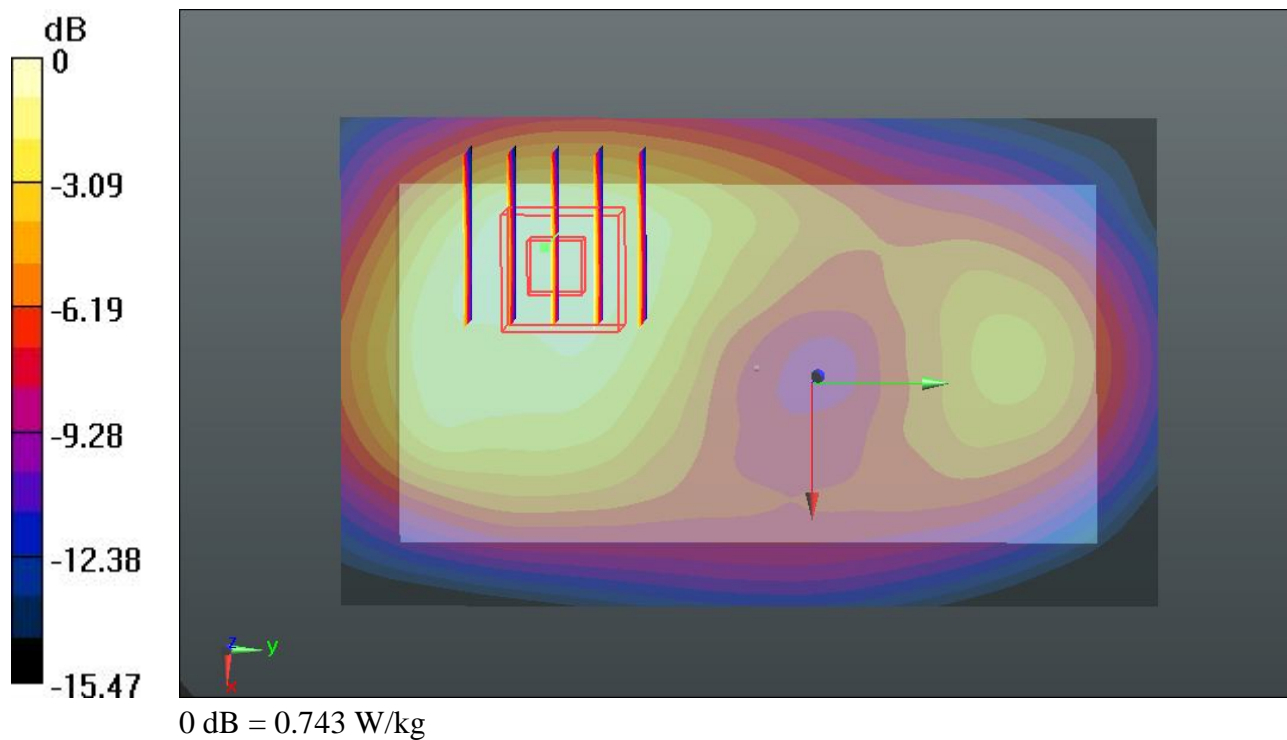
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.881 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.918 mW/g

**SAR(1 g) = 0.589 mW/g; SAR(10 g) = 0.370 mW/g**

Maximum value of SAR (measured) = 0.743 W/kg



**43 GSM1900\_GPRS(4 Tx slots)\_Front\_1cm\_Ch810****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 54.849$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch810/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.697 W/kg

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.036 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.896 mW/g

**SAR(1 g) = 0.565 mW/g; SAR(10 g) = 0.351 mW/g**

Maximum value of SAR (measured) = 0.722 W/kg

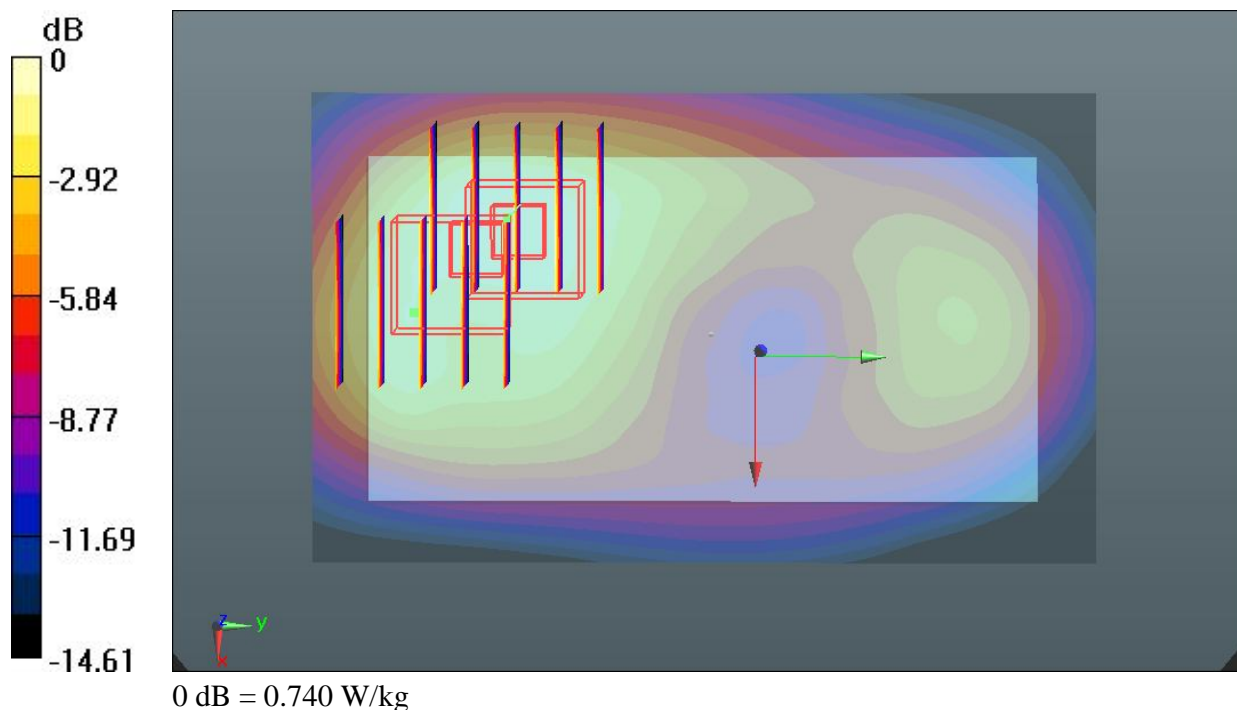
**Ch810/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.036 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.903 mW/g

**SAR(1 g) = 0.500 mW/g; SAR(10 g) = 0.289 mW/g**

Maximum value of SAR (measured) = 0.740 W/kg



**44 GSM1900\_GPRS(4 Tx slots)\_Back\_1cm\_Ch661****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.506$  mho/m;  $\epsilon_r = 54.9$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch661/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.961 W/kg

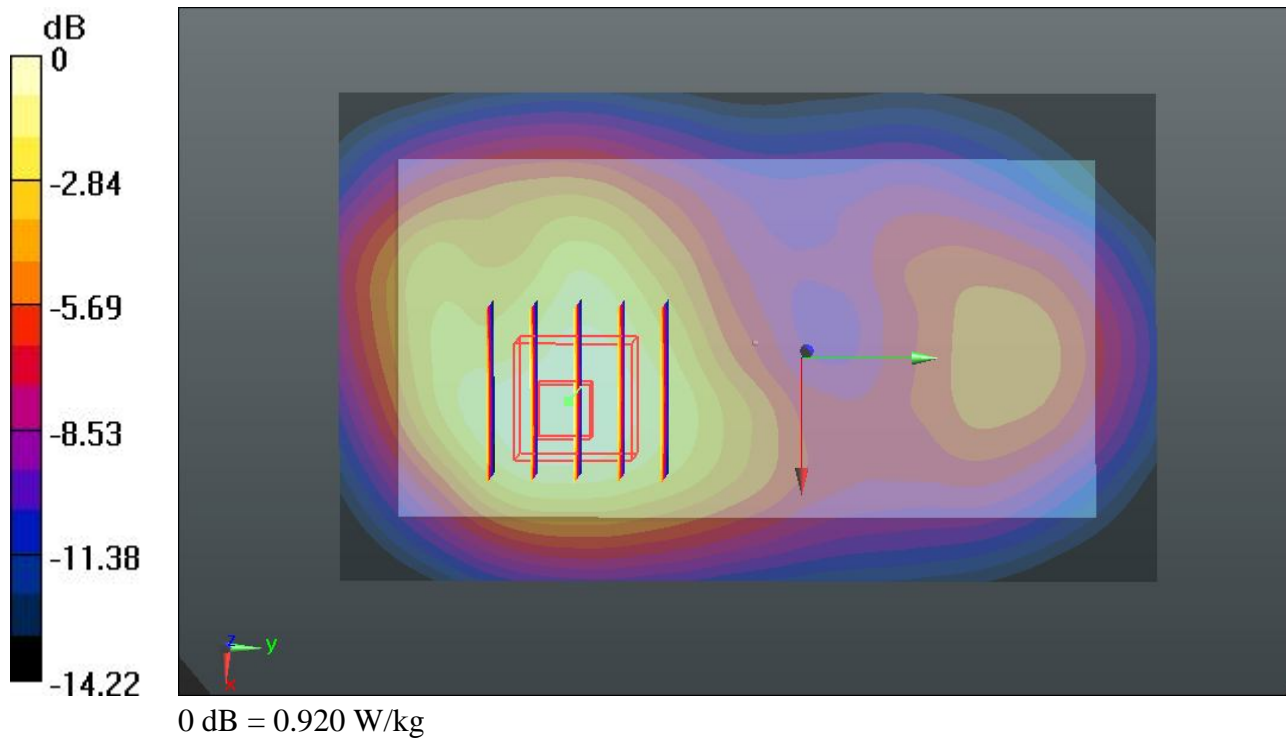
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.353 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.126 mW/g

**SAR(1 g) = 0.728 mW/g; SAR(10 g) = 0.451 mW/g**

Maximum value of SAR (measured) = 0.920 W/kg



**45 GSM1900\_GPRS(4 Tx slots)\_Back\_1cm\_Ch810****DUT: 332203**

Communication System: GPRS/EDGE12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.536$  mho/m;  $\epsilon_r = 54.849$ ;  $\rho$  $= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch810/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.904 W/kg

**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.381 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.064 mW/g

**SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.423 mW/g**

Maximum value of SAR (measured) = 0.868 W/kg

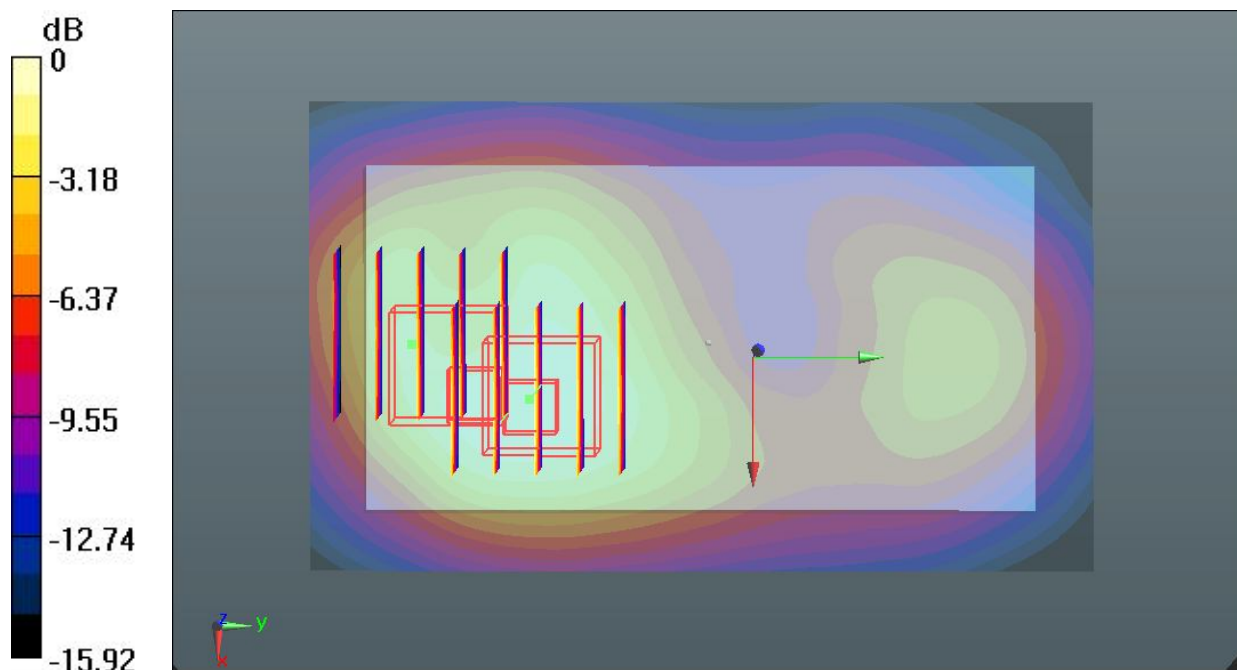
**Ch810/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.381 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.065 mW/g

**SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.311 mW/g**

Maximum value of SAR (measured) = 0.873 W/kg



0 dB = 0.873 W/kg



**46 GSM1900\_GSM Vioce\_Front\_1cm\_Ch512****DUT: 332203**

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

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.505 W/kg

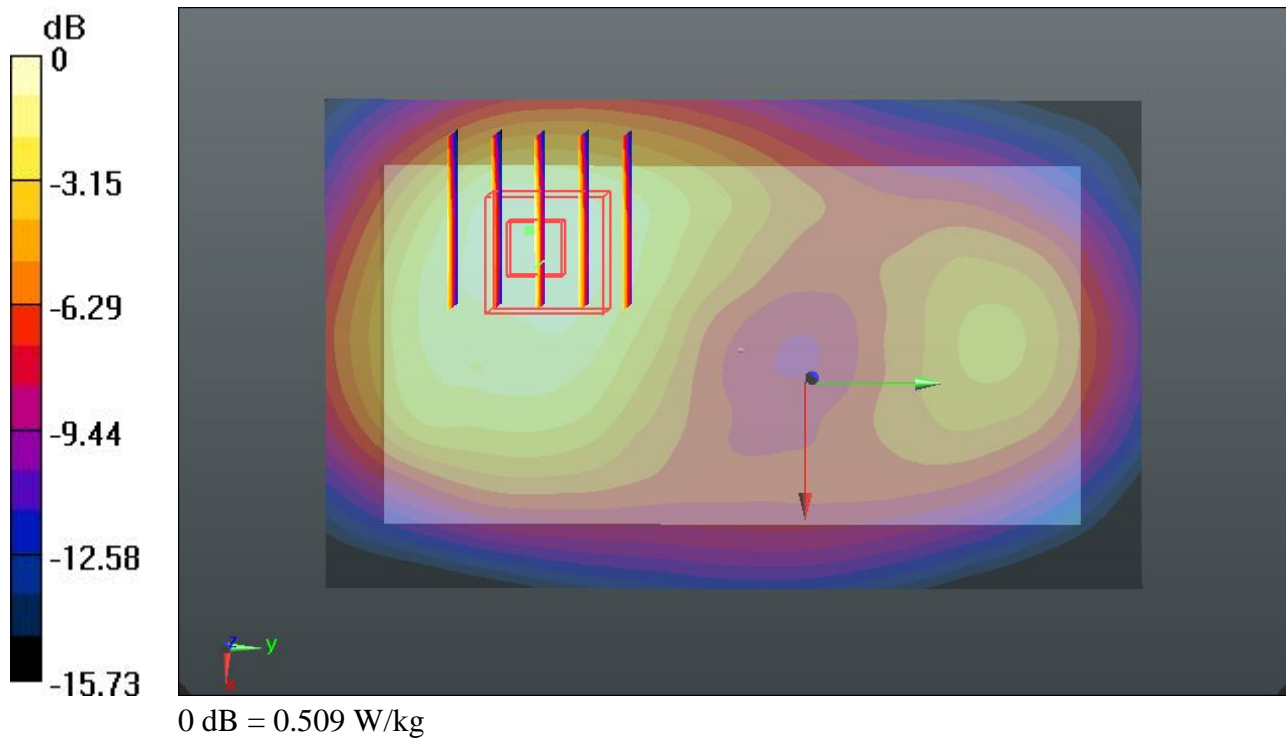
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.022 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.624 mW/g

**SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.252 mW/g**

Maximum value of SAR (measured) = 0.509 W/kg





**47 GSM1900\_GSM Vioce\_Back\_1cm\_Ch512****DUT: 332203**

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

Medium: MSL\_1900\_130423 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.466$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch512/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.669 W/kg

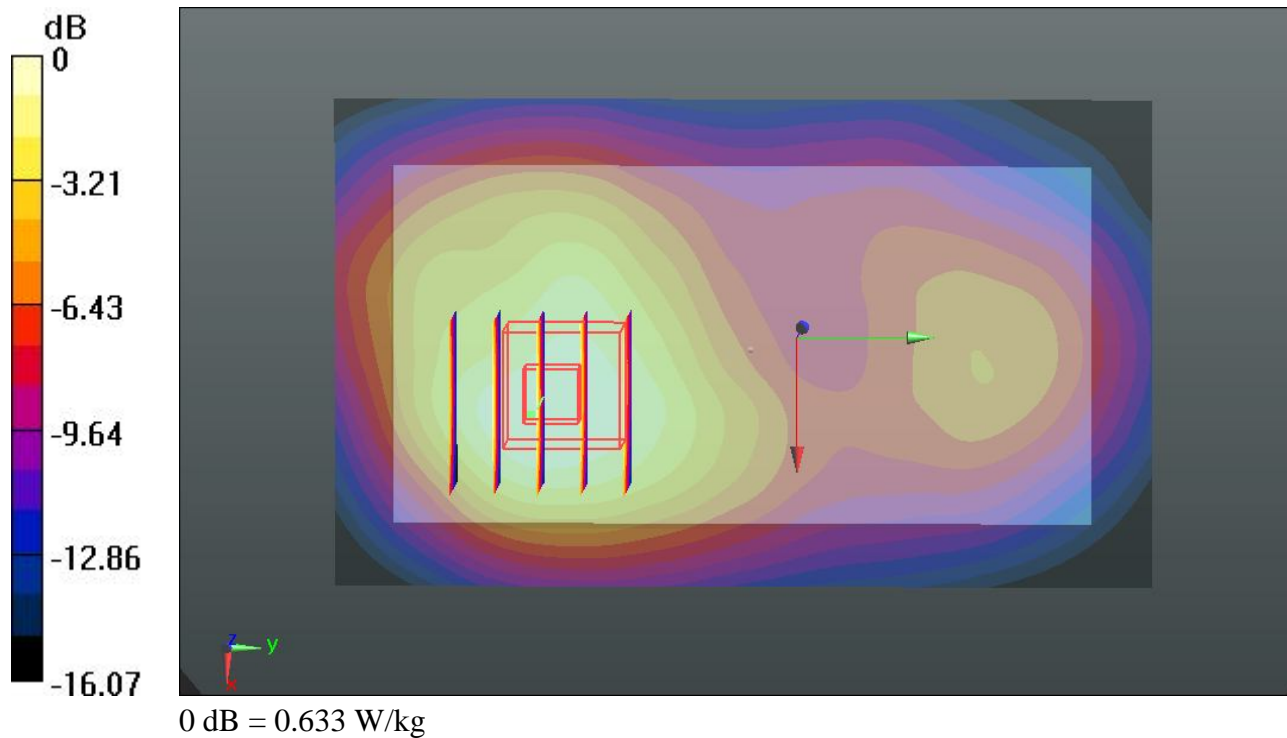
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.073 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.773 mW/g

**SAR(1 g) = 0.492 mW/g; SAR(10 g) = 0.304 mW/g**

Maximum value of SAR (measured) = 0.633 W/kg



**20 WCDMA V\_RMC 12.2K\_Front\_1cm\_Ch4132****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.524 W/kg

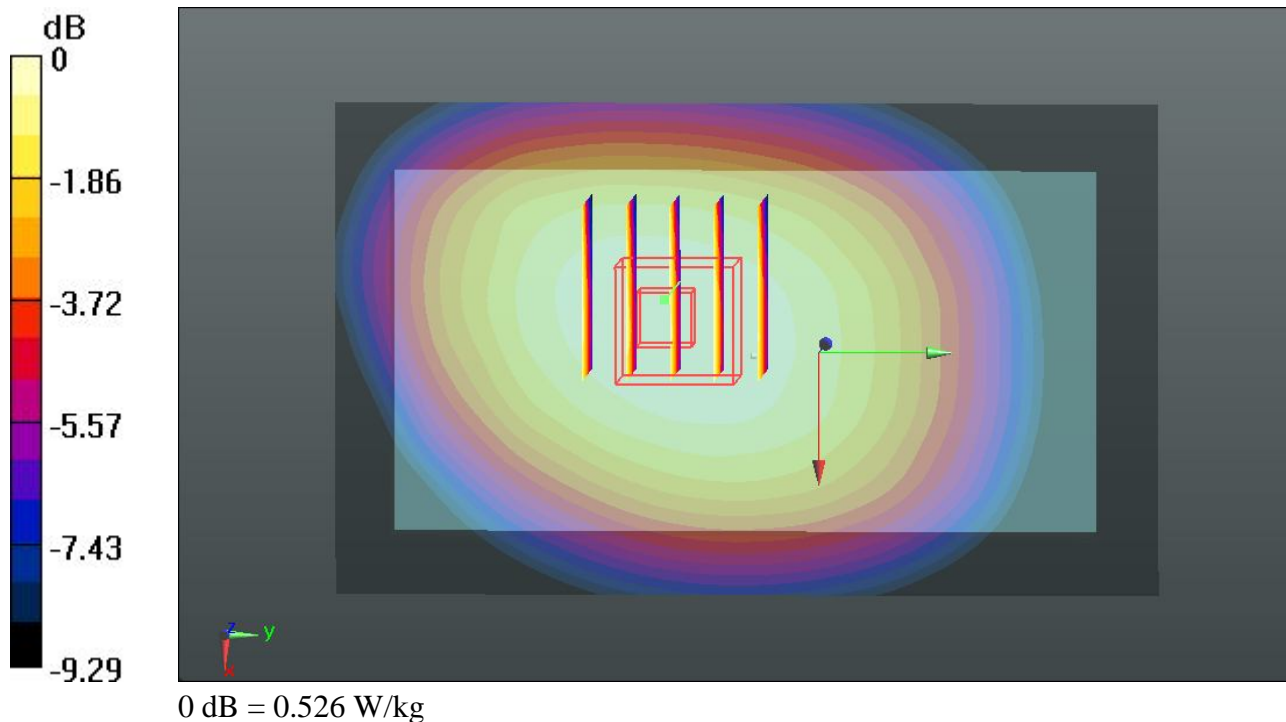
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.003 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.579 mW/g

**SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.359 mW/g**

Maximum value of SAR (measured) = 0.526 W/kg



**21 WCDMA V\_RMC 12.2K\_Back\_1cm\_Ch4132****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.892 W/kg

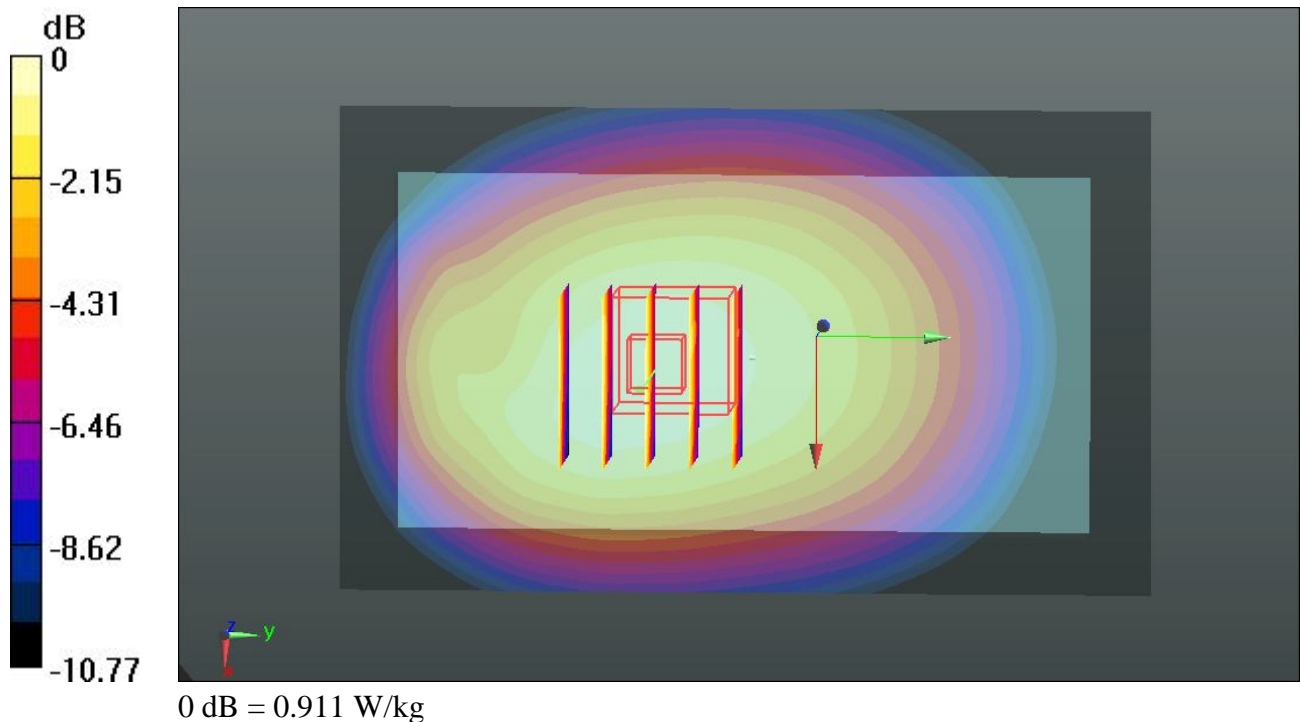
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.389 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.019 mW/g

**SAR(1 g) = 0.785 mW/g; SAR(10 g) = 0.586 mW/g**

Maximum value of SAR (measured) = 0.911 W/kg



**22 WCDMA V\_RMC 12.2K\_Left Side\_1cm\_Ch4132****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.482 W/kg

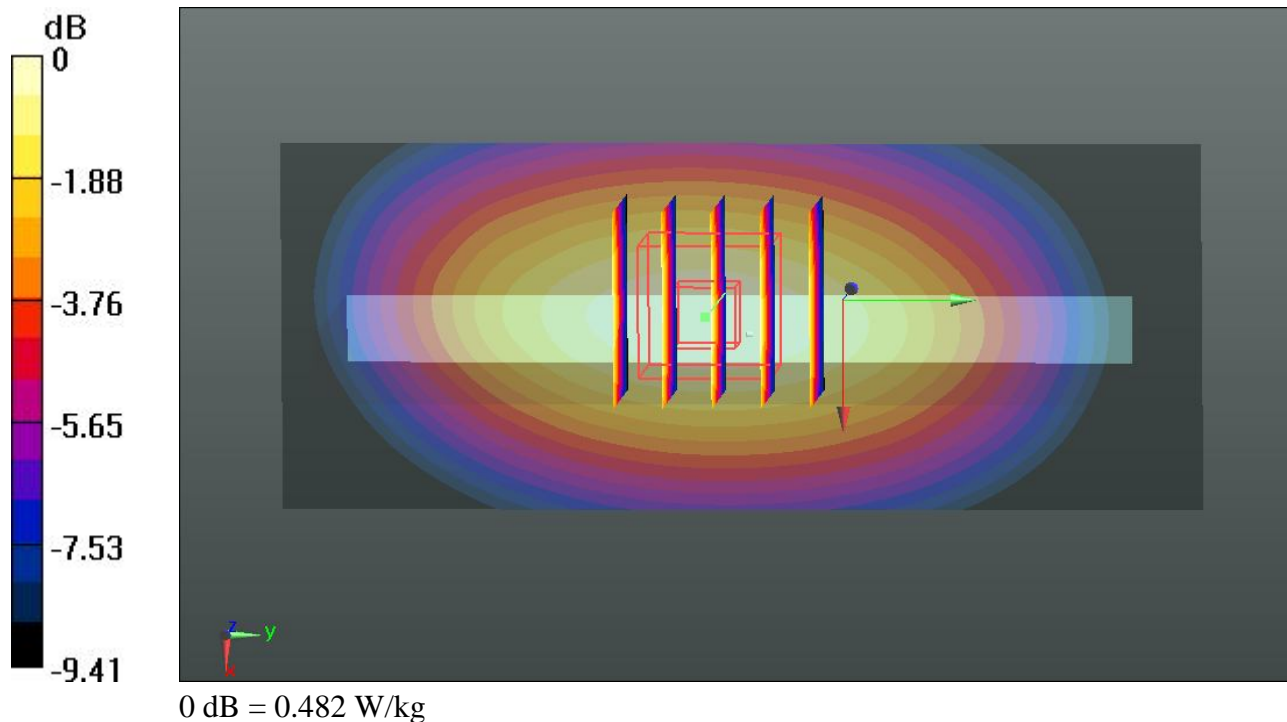
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.950 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.550 mW/g

**SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.276 mW/g**

Maximum value of SAR (measured) = 0.482 W/kg



**23 WCDMA V\_RMC 12.2K\_Right Side\_1cm\_Ch4132****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.465 W/kg

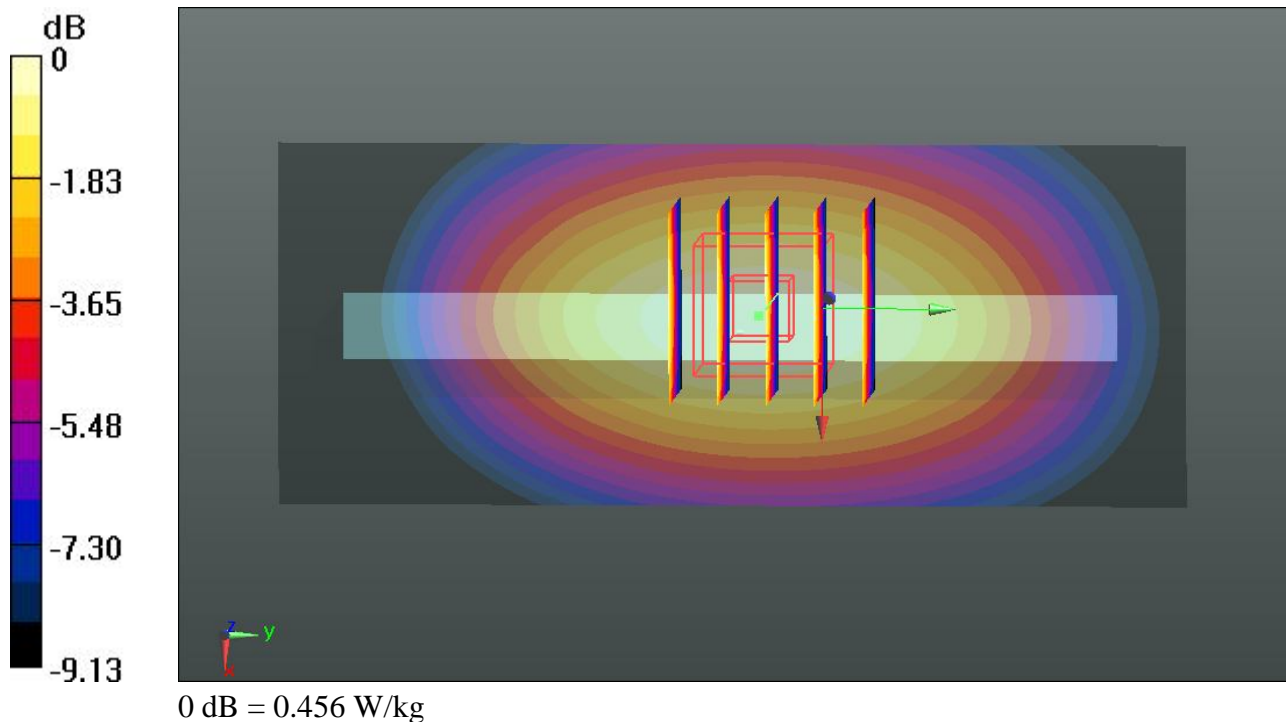
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.375 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.520 mW/g

**SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.265 mW/g**

Maximum value of SAR (measured) = 0.456 W/kg



**24 WCDMA V\_RMC 12.2K\_Bottom Side\_1cm\_Ch4132****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.963$  mho/m;  $\epsilon_r = 56.376$ ;  $\rho$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (41x71x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0370 W/kg

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

Reference Value = 6.262 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.048 mW/g

**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.018 mW/g**

Maximum value of SAR (measured) = 0.0368 W/kg

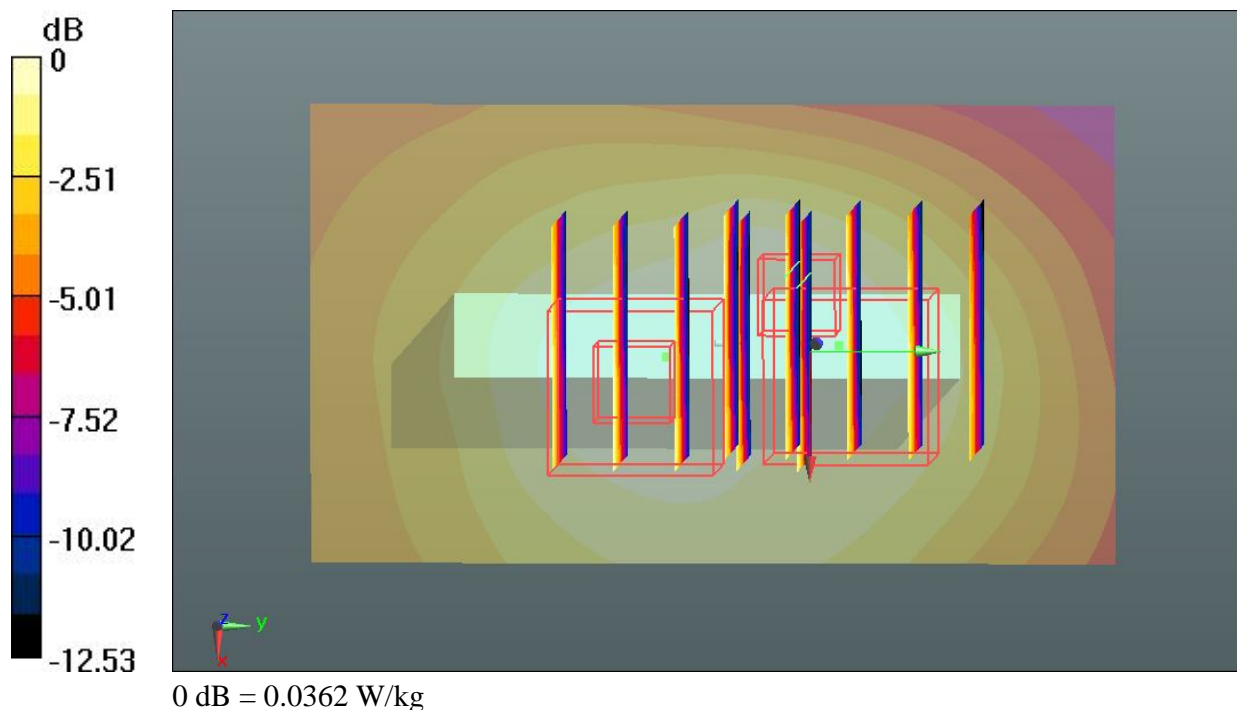
**Ch4132/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.262 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.049 mW/g

**SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.017 mW/g**

Maximum value of SAR (measured) = 0.0362 W/kg





**25 WCDMA V\_RMC 12.2K\_Back\_1cm\_Ch4182****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.972$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4182/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.846 W/kg

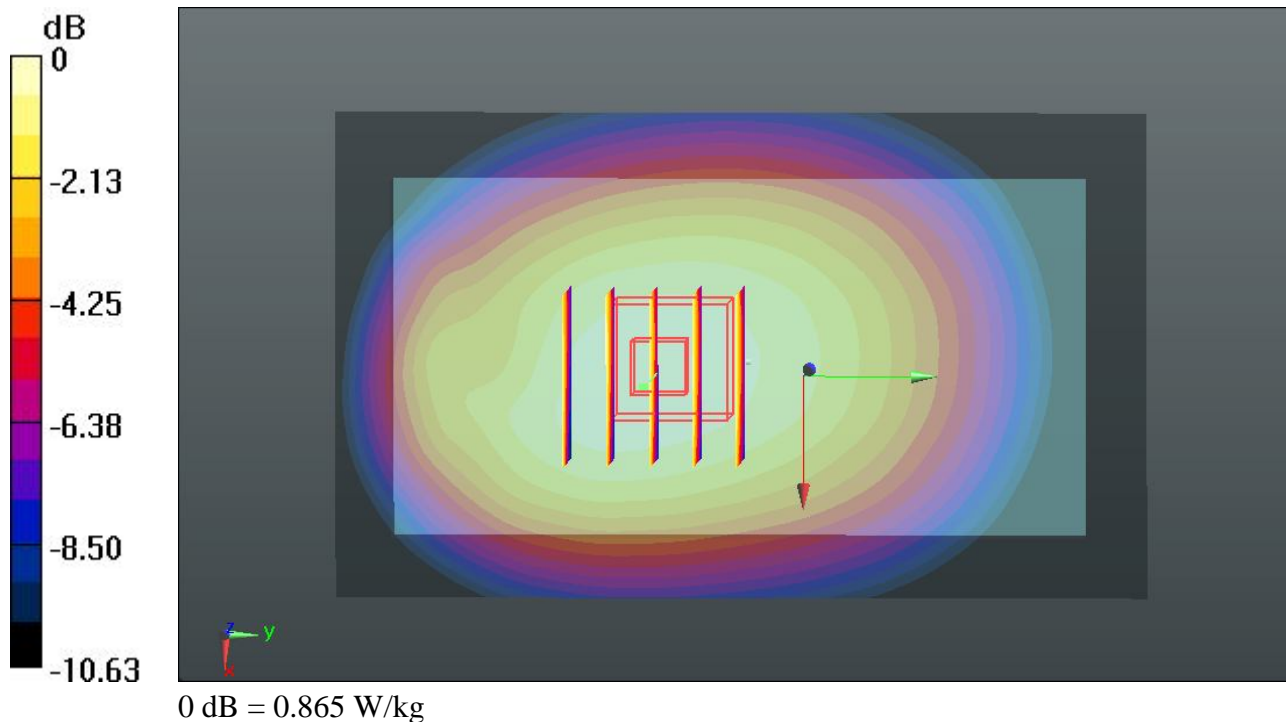
**Ch4182/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.529 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.960 mW/g

**SAR(1 g) = 0.745 mW/g; SAR(10 g) = 0.557 mW/g**

Maximum value of SAR (measured) = 0.865 W/kg





**26 WCDMA V\_RMC 12.2K\_Back\_1cm\_Ch4233****DUT: 332203**

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

Medium: MSL\_835\_130405 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 56.199$ ;

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4233/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.00 W/kg

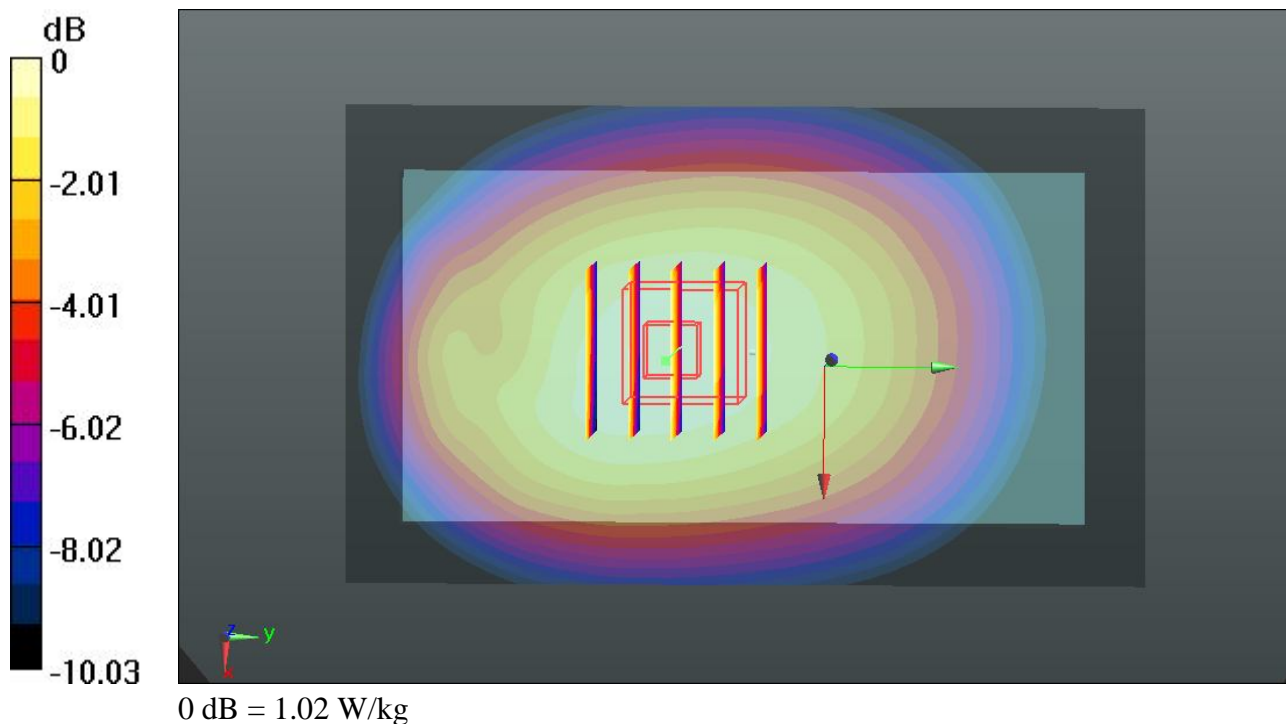
**Ch4233/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.940 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.125 mW/g

**SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.659 mW/g**

Maximum value of SAR (measured) = 1.02 W/kg



**01 WCDMA II\_RMC 12.2K\_Front\_1cm\_Ch9262****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.473$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.02 W/kg

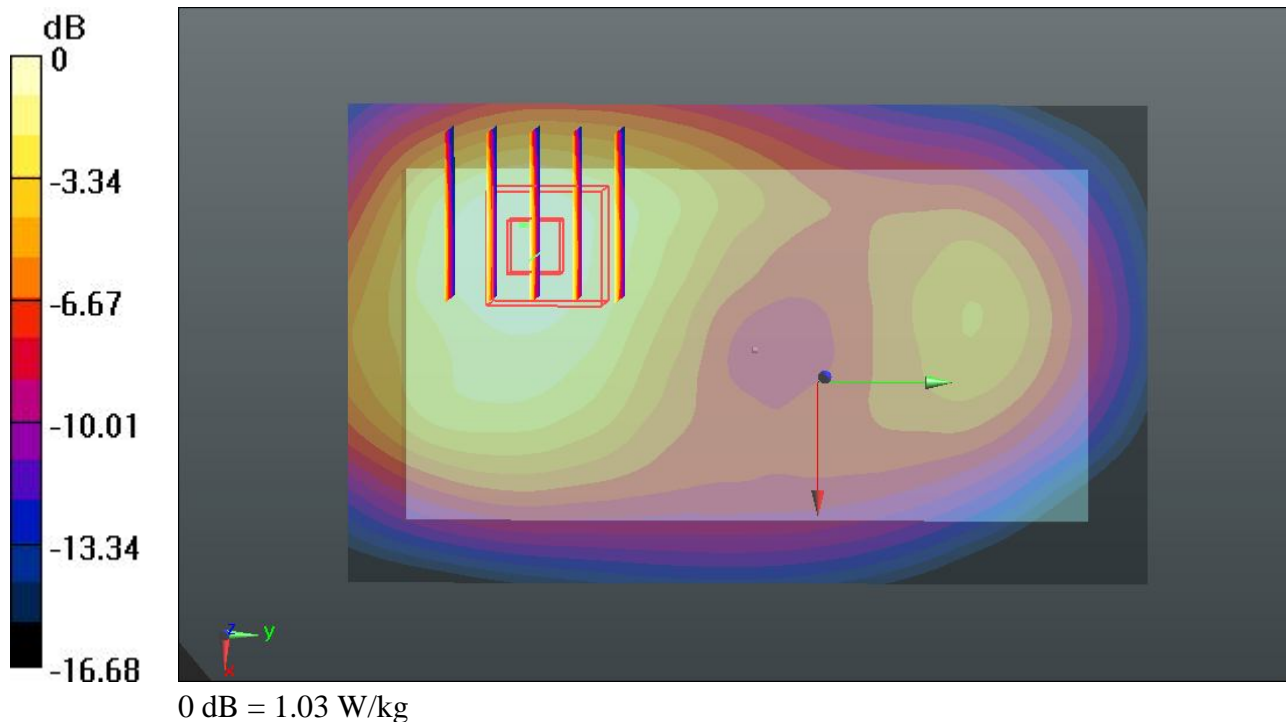
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.824 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.276 mW/g

**SAR(1 g) = 0.800 mW/g; SAR(10 g) = 0.493 mW/g**

Maximum value of SAR (measured) = 1.03 W/kg



**02 WCDMA II\_RMC 12.2K\_Back\_1cm\_Ch9262****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.473$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.35 W/kg

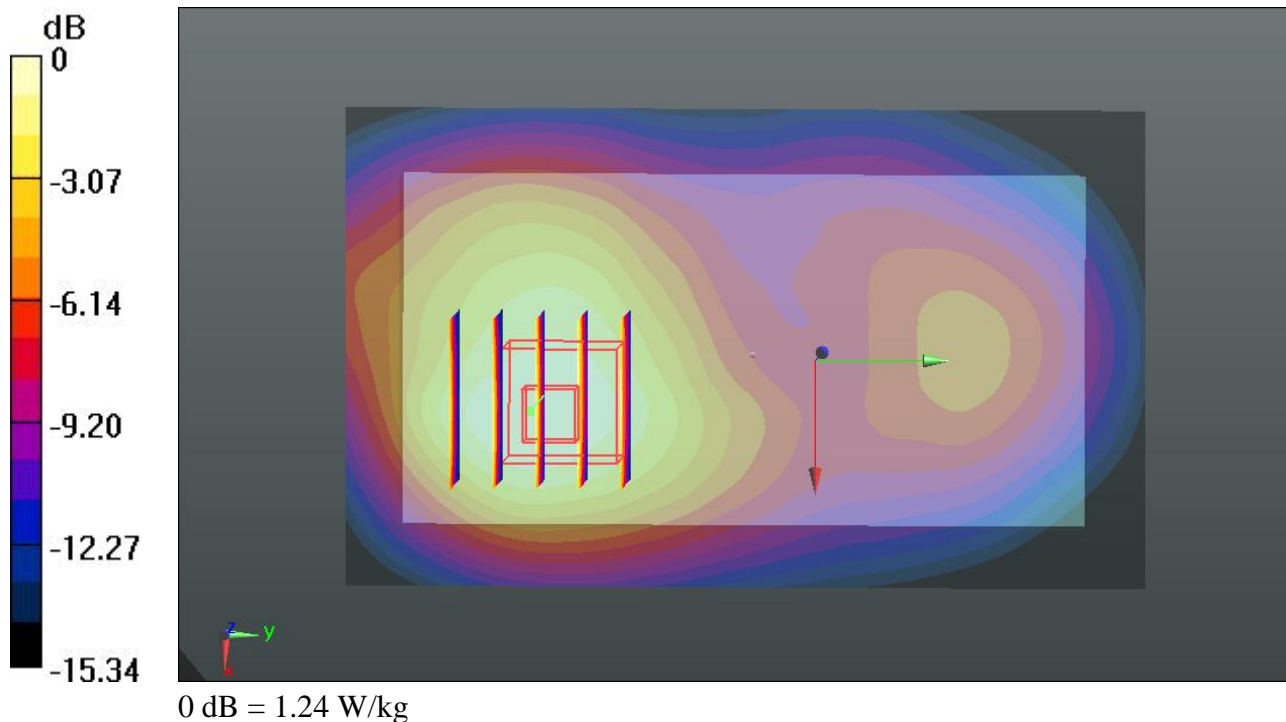
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.667 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.532 mW/g

**SAR(1 g) = 0.970 mW/g; SAR(10 g) = 0.595 mW/g**

Maximum value of SAR (measured) = 1.24 W/kg



**03 WCDMA II\_RMC 12.2K\_Left Side\_1cm\_Ch9262****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.473$  mho/m;  $\epsilon_r =$ 54.765;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.394 W/kg

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

Reference Value = 16.754 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.489 mW/g

**SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.179 mW/g**

Maximum value of SAR (measured) = 0.402 W/kg

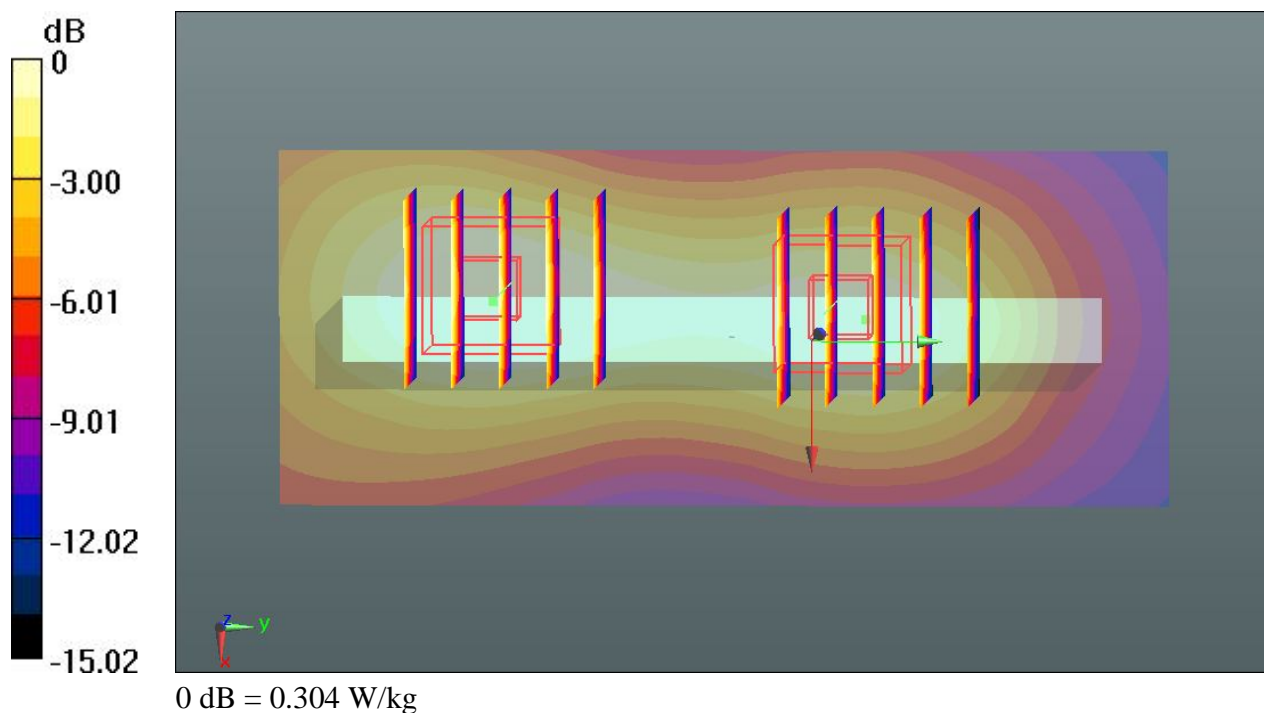
**Ch9262/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.754 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.367 mW/g

**SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.144 mW/g**

Maximum value of SAR (measured) = 0.304 W/kg



**04 WCDMA II\_RMC 12.2K\_Right Side\_1cm\_Ch9262****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.473$  mho/m;  $\epsilon_r =$ 54.765;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (41x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.193 W/kg

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

Reference Value = 11.333 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.224 mW/g

**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.089 mW/g**

Maximum value of SAR (measured) = 0.184 W/kg

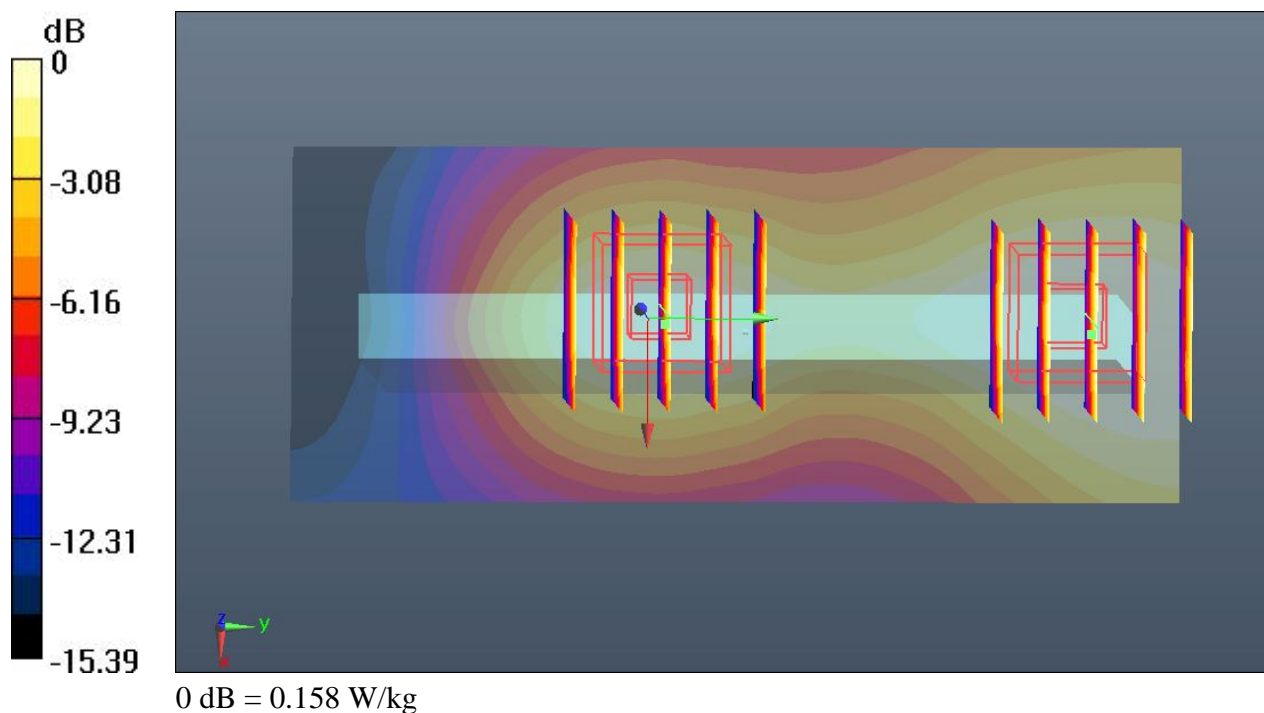
**Ch9262/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.333 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.191 mW/g

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.158 W/kg



**05 WCDMA II\_RMC 12.2K\_Bottom Side\_1cm\_Ch9262****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.473$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9262/Area Scan (41x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.640 W/kg

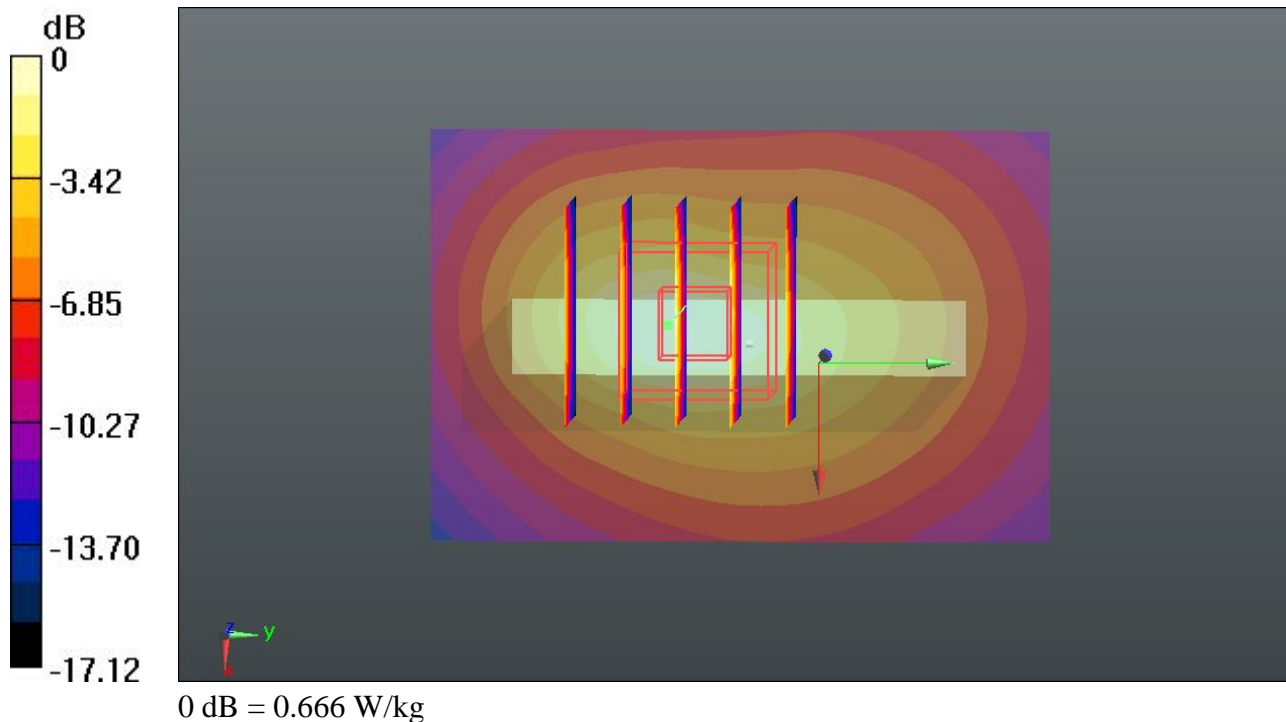
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.533 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.812 mW/g

**SAR(1 g) = 0.485 mW/g; SAR(10 g) = 0.265 mW/g**

Maximum value of SAR (measured) = 0.666 W/kg





**06 WCDMA II\_RMC 12.2K\_Front\_1cm\_Ch9400****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.509$  mho/m;  $\epsilon_r =$

$54.703$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.5$  °C ; Liquid Temperature :  $21.5$  °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9400/Area Scan (61x101x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $1.07$  W/kg

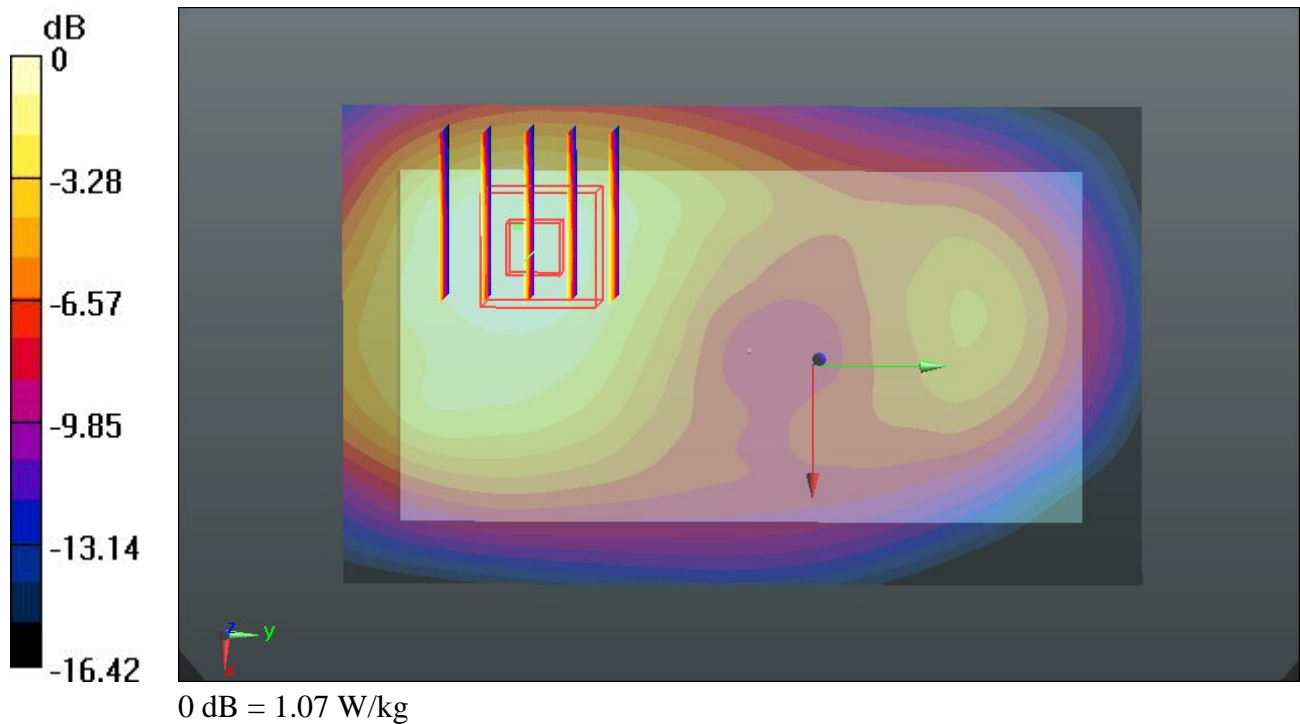
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $27.150$  V/m; Power Drift =  $-0.05$  dB

Peak SAR (extrapolated) =  $1.336$  mW/g

**SAR(1 g) =  $0.833$  mW/g; SAR(10 g) =  $0.514$  mW/g**

Maximum value of SAR (measured) =  $1.07$  W/kg



**07 WCDMA II\_RMC 12.2K\_Front\_1cm\_Ch9538****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.538$  mho/m;  $\epsilon_r =$ 54.657;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9538/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.06 W/kg

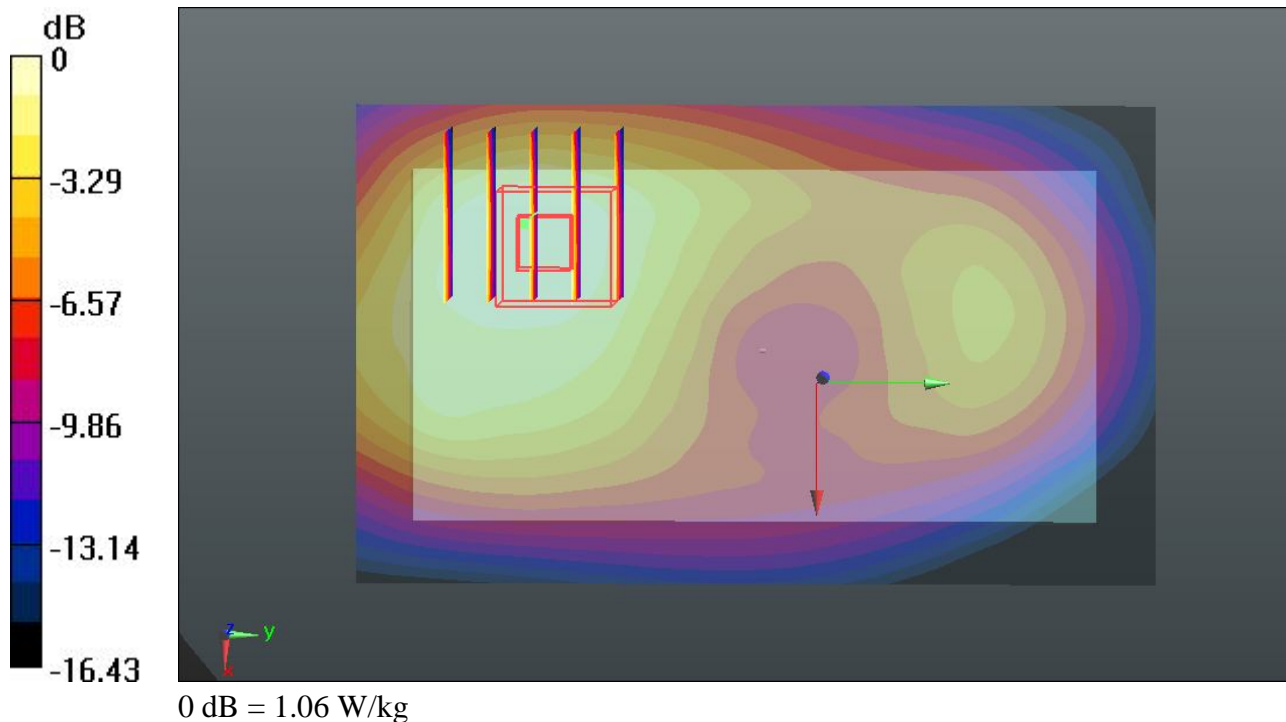
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.848 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.336 mW/g

**SAR(1 g) = 0.818 mW/g; SAR(10 g) = 0.501 mW/g**

Maximum value of SAR (measured) = 1.06 W/kg



**08 WCDMA II\_RMC 12.2K\_Back\_1cm\_Ch9400****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.509$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9400/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.43 W/kg

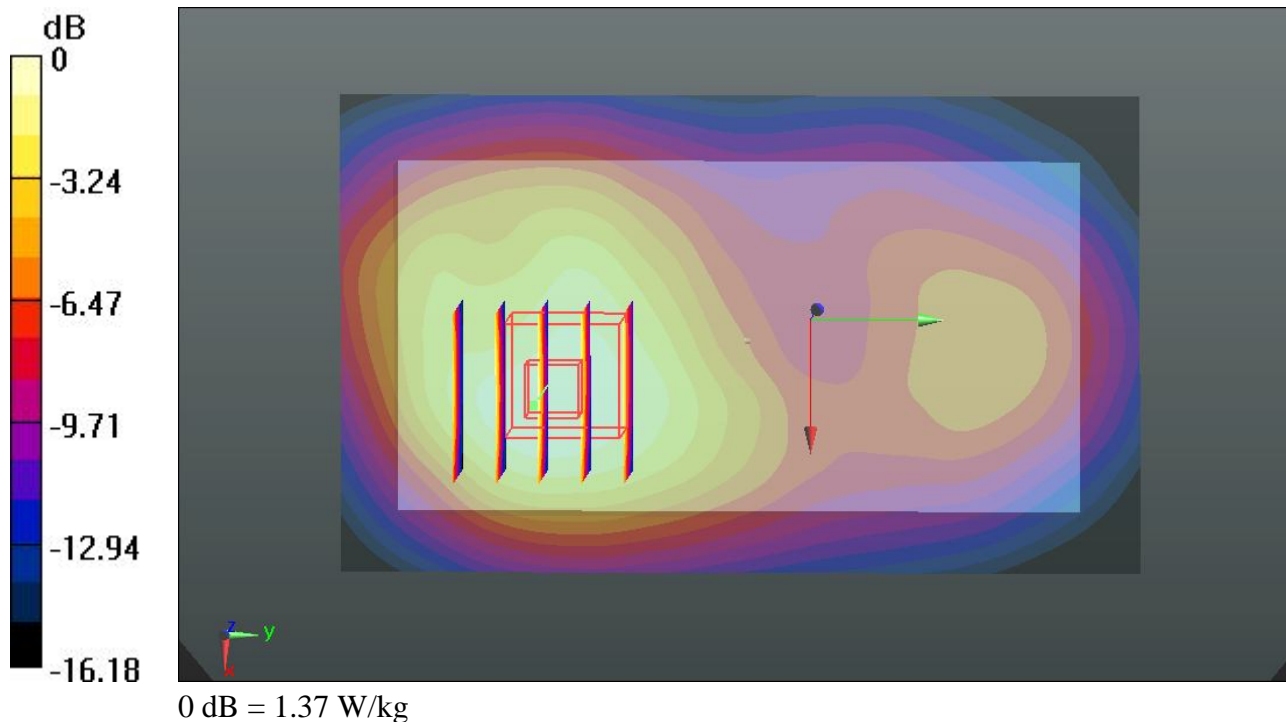
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.620 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.685 mW/g

**SAR(1 g) = 1.050 mW/g; SAR(10 g) = 0.645 mW/g**

Maximum value of SAR (measured) = 1.37 W/kg



**19 WCDMA II\_RMC 12.2K\_Back\_1cm\_Ch9400\_Repeat SAR****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.509$  mho/m;  $\epsilon_r =$ 54.703;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9400/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.40 W/kg

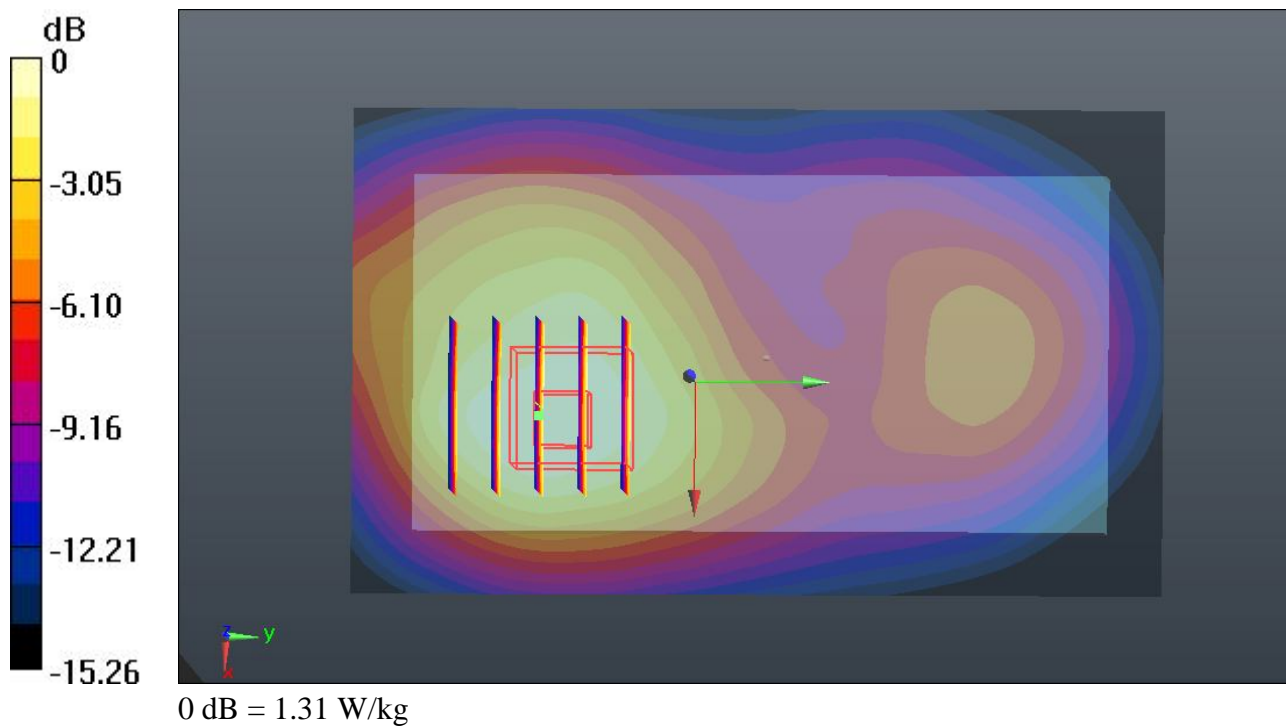
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.035 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.634 mW/g

**SAR(1 g) = 1.020 mW/g; SAR(10 g) = 0.626 mW/g**

Maximum value of SAR (measured) = 1.31 W/kg



**09 WCDMA II\_RMC 12.2K\_Back\_1cm\_Ch9538****DUT: 332203**

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

Medium: MSL\_1900\_130405 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.538$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.67, 7.67, 7.67); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9538/Area Scan (61x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.34 W/kg

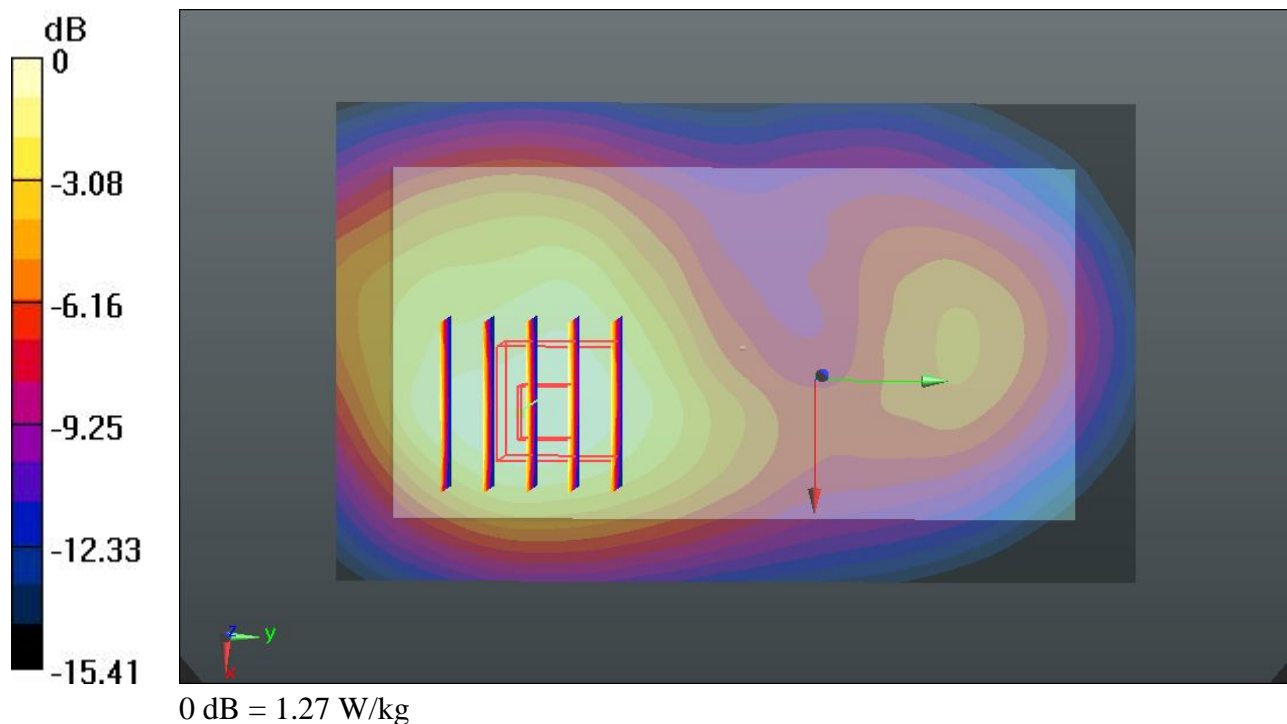
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.313 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.579 mW/g

**SAR(1 g) = 0.987 mW/g; SAR(10 g) = 0.603 mW/g**

Maximum value of SAR (measured) = 1.27 W/kg



**74 WLAN2.4G\_802.11b\_Front\_1cm\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: MSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.964$  mho/m;  $\epsilon_r = 53.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0352 W/kg

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.974 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.038 mW/g

**SAR(1 g) = 0.024 mW/g; SAR(10 g) = 0.016 mW/g**

Maximum value of SAR (measured) = 0.0313 W/kg

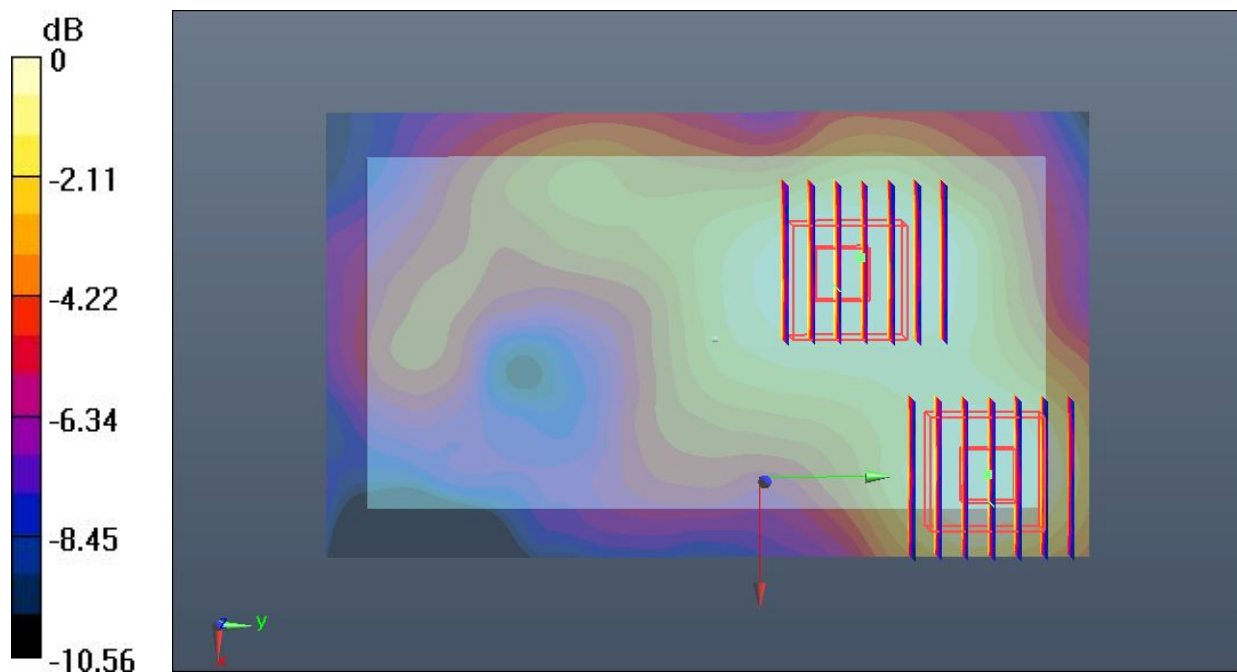
**Ch11/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.974 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.039 mW/g

**SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.014 mW/g**

Maximum value of SAR (measured) = 0.0314 W/kg





**75 WLAN2.4G\_802.11b\_Back\_1cm\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: MSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.964$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x121x1):** Interpolated grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (interpolated) = 0.0952 W/kg

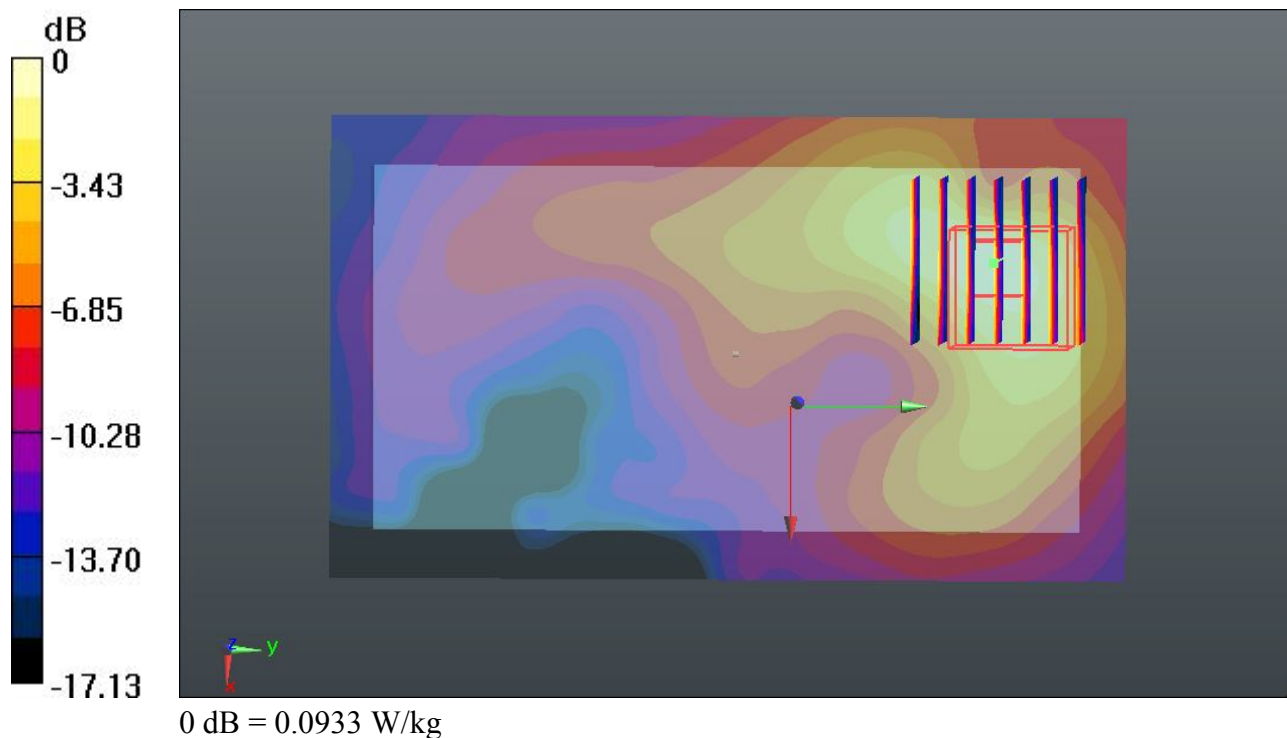
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value = 6.965 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.127 mW/g

**SAR(1 g) = 0.059 mW/g; SAR(10 g) = 0.029 mW/g**

Maximum value of SAR (measured) = 0.0933 W/kg



**76 WLAN2.4G\_802.11b\_Right Side\_1cm\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: MSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.964$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (51x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0497 W/kg

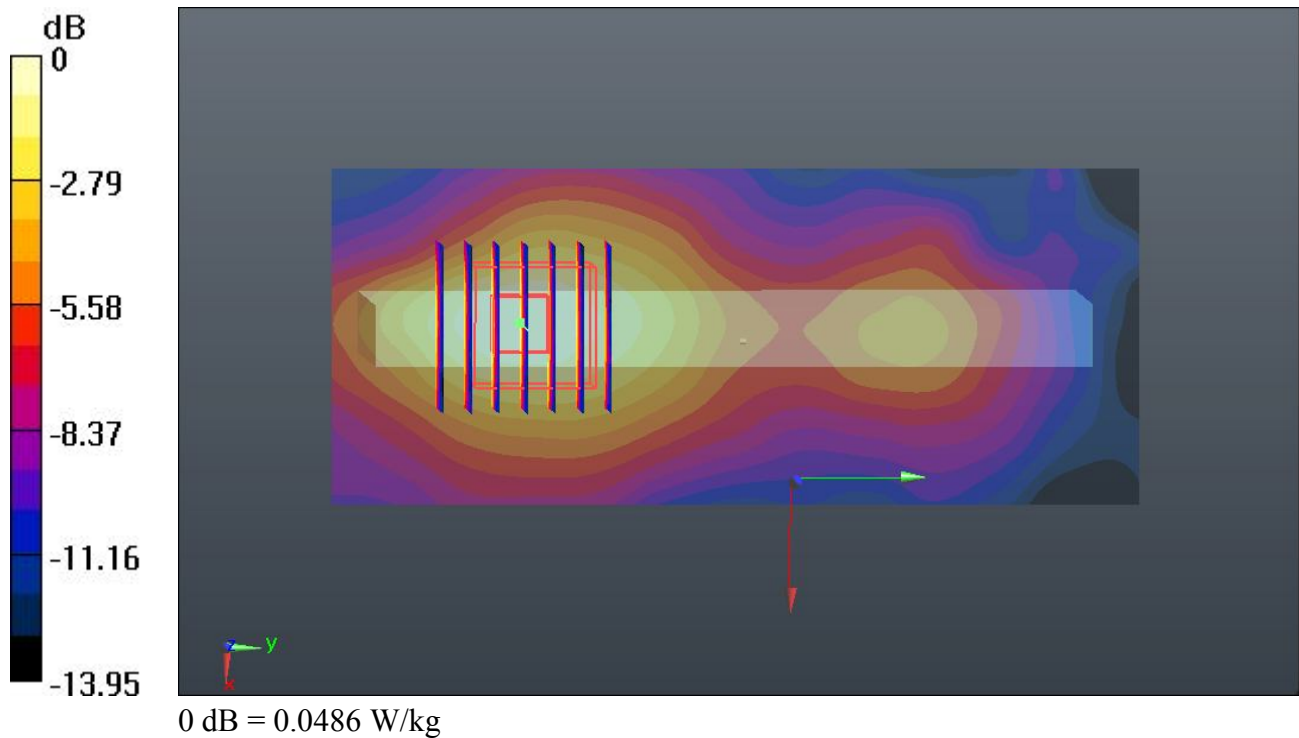
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.014 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.061 mW/g

**SAR(1 g) = 0.033 mW/g; SAR(10 g) = 0.018 mW/g**

Maximum value of SAR (measured) = 0.0486 W/kg



**77 WLAN2.4G\_802.11b\_Top Side\_1cm\_Ch11****DUT: 332203**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.01

Medium: MSL\_2450\_130425 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.964$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3819; ConvF(7.21, 7.21, 7.21); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (41x81x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0371 W/kg

**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.171 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.047 mW/g

**SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.013 mW/g**

Maximum value of SAR (measured) = 0.0345 W/kg

