



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

The plots are shown as follows.

### System Check\_Head\_835MHz\_130713

**DUT: D835V2 - SN:4d151**

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

Medium: HSL\_835\_130713 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.929 \text{ S/m}$ ;  $\epsilon_r = 41.793$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) =  $2.97 \text{ W/kg}$

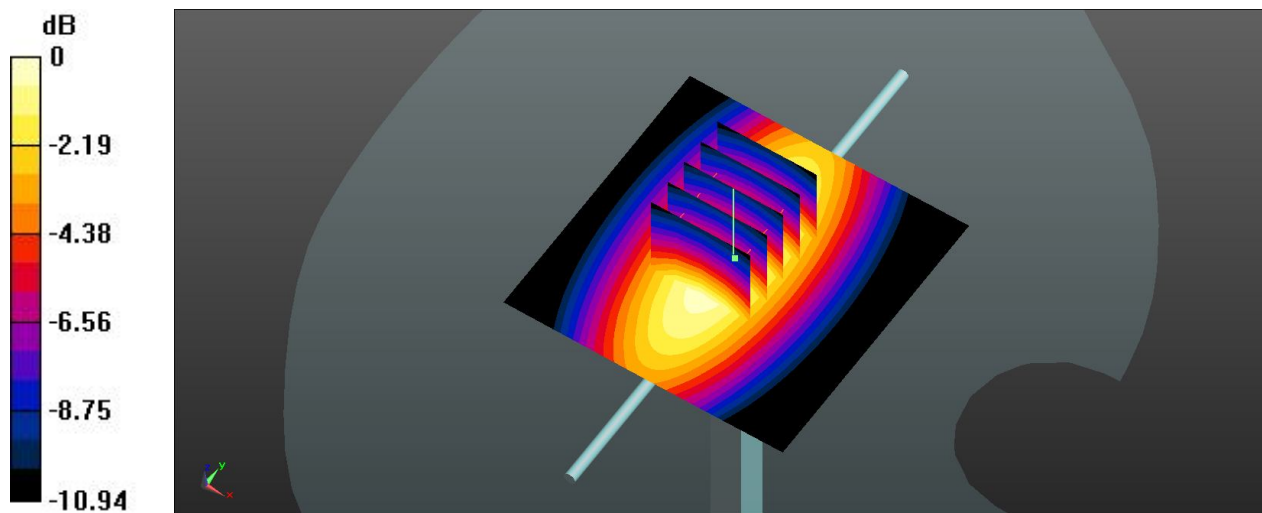
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $57.151 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $3.51 \text{ W/kg}$

**SAR(1 g) =  $2.32 \text{ W/kg}$ ; SAR(10 g) =  $1.51 \text{ W/kg}$**

Maximum value of SAR (measured) =  $2.96 \text{ W/kg}$



0 dB =  $2.96 \text{ W/kg}$

### System Check\_Head\_1900MHz\_130713

**DUT: D1900V2 - SN:5d170**

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

Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1900 \text{ MHz}$ ;  $\sigma = 1.412 \text{ S/m}$ ;  $\epsilon_r = 39.311$ ;

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

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) =  $14.5 \text{ W/kg}$

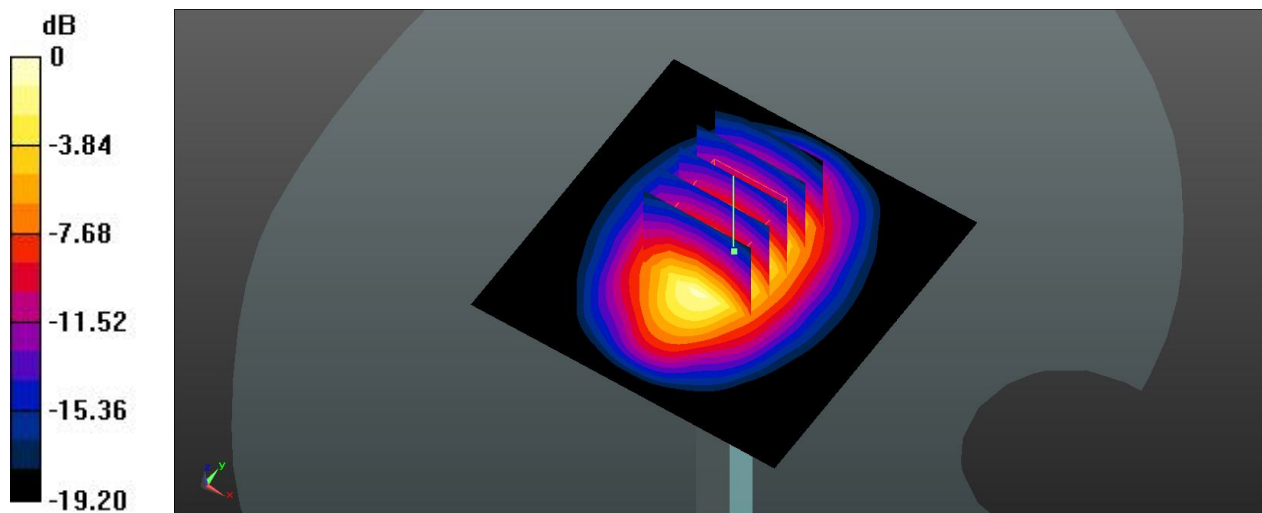
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $101.6 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $18.5 \text{ W/kg}$

**SAR(1 g) =  $9.86 \text{ W/kg}$ ; SAR(10 g) =  $5.06 \text{ W/kg}$**

Maximum value of SAR (measured) =  $14.2 \text{ W/kg}$



0 dB =  $14.2 \text{ W/kg}$

### System Check\_Head\_2450MHz\_130716

**DUT: D2450V2 - SN:908**

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

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2450$  MHz;  $\sigma = 1.878$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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) = 20.7 W/kg

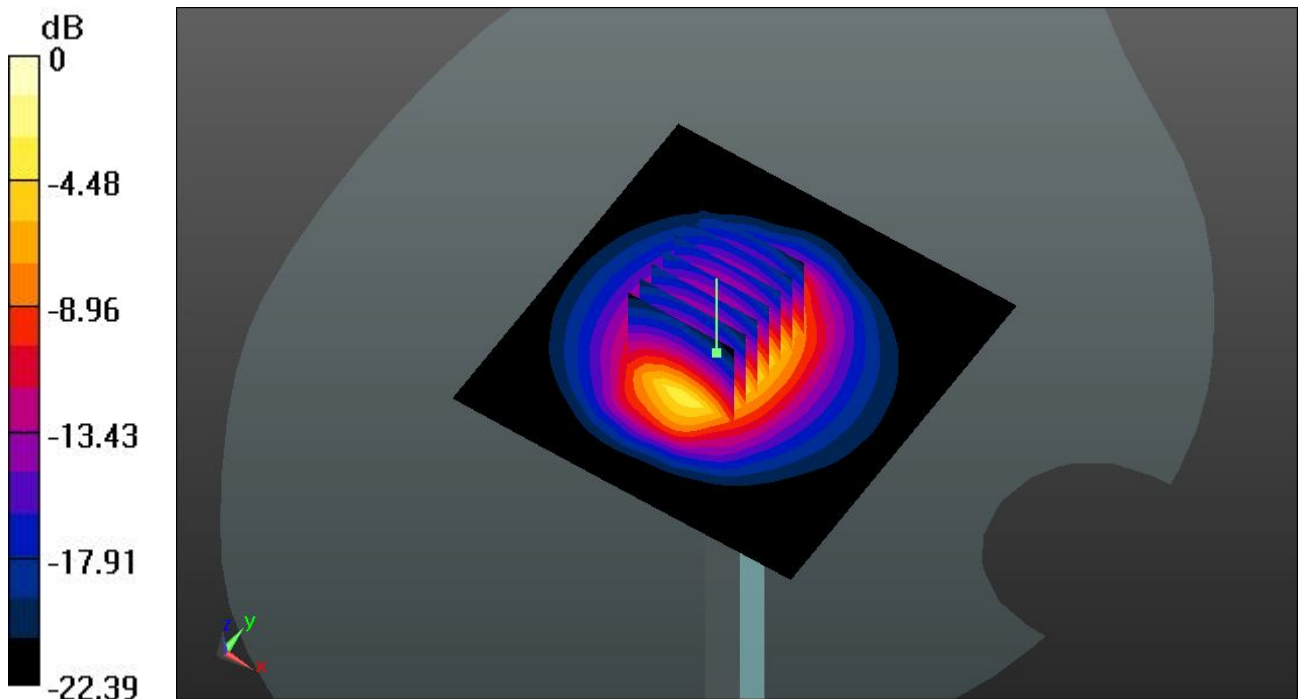
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.985 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 28.434 mW/g

**SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.13 mW/g**

Maximum value of SAR (measured) = 20.8 W/kg



0 dB = 20.8 W/kg

**System Check\_Body\_835MHz\_130712**

**DUT: D835V2 - SN:4d151**

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

Medium: MSL\_835\_130712 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.976 \text{ S/m}$ ;  $\epsilon_r = 54.394$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) =  $3.17 \text{ W/kg}$

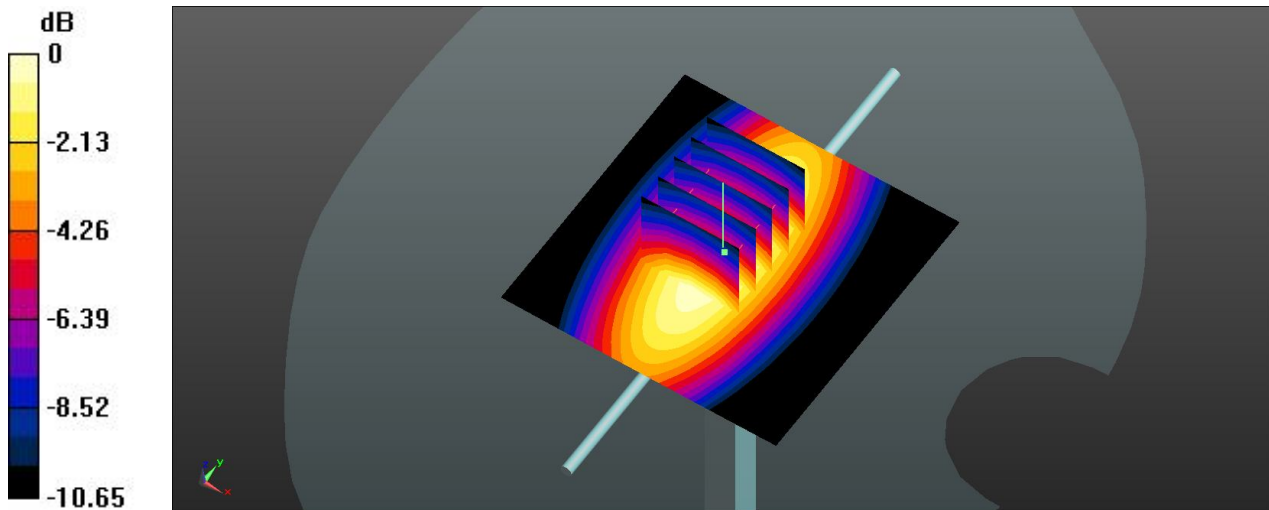
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $57.499 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $3.73 \text{ W/kg}$

**SAR(1 g) =  $2.5 \text{ W/kg}$ ; SAR(10 g) =  $1.64 \text{ W/kg}$**

Maximum value of SAR (measured) =  $3.16 \text{ W/kg}$



0 dB =  $3.16 \text{ W/kg}$

### System Check\_Body\_1900MHz\_130712

**DUT: D1900V2 - SN:5d170**

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

Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.519$  S/m;  $\epsilon_r = 53.569$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 13.8 W/kg

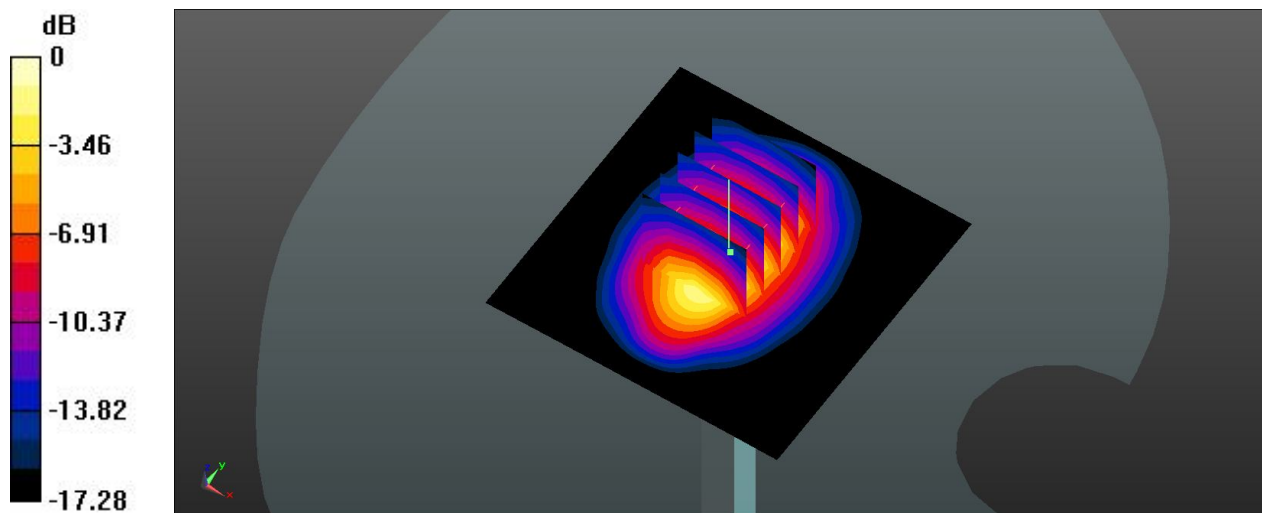
**Pin=250mW/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 95.431 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 17.3 W/kg

**SAR(1 g) = 9.86 W/kg; SAR(10 g) = 5.21 W/kg**

Maximum value of SAR (measured) = 13.9 W/kg



0 dB = 13.9 W/kg

**System Check\_Body\_2450MHz\_130717**

**DUT: D2450V2 - SN:908**

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

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2450 \text{ MHz}$ ;  $\sigma = 1.951 \text{ mho/m}$ ;  $\epsilon_r =$

$53.859$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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: 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:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $20.6 \text{ W/kg}$

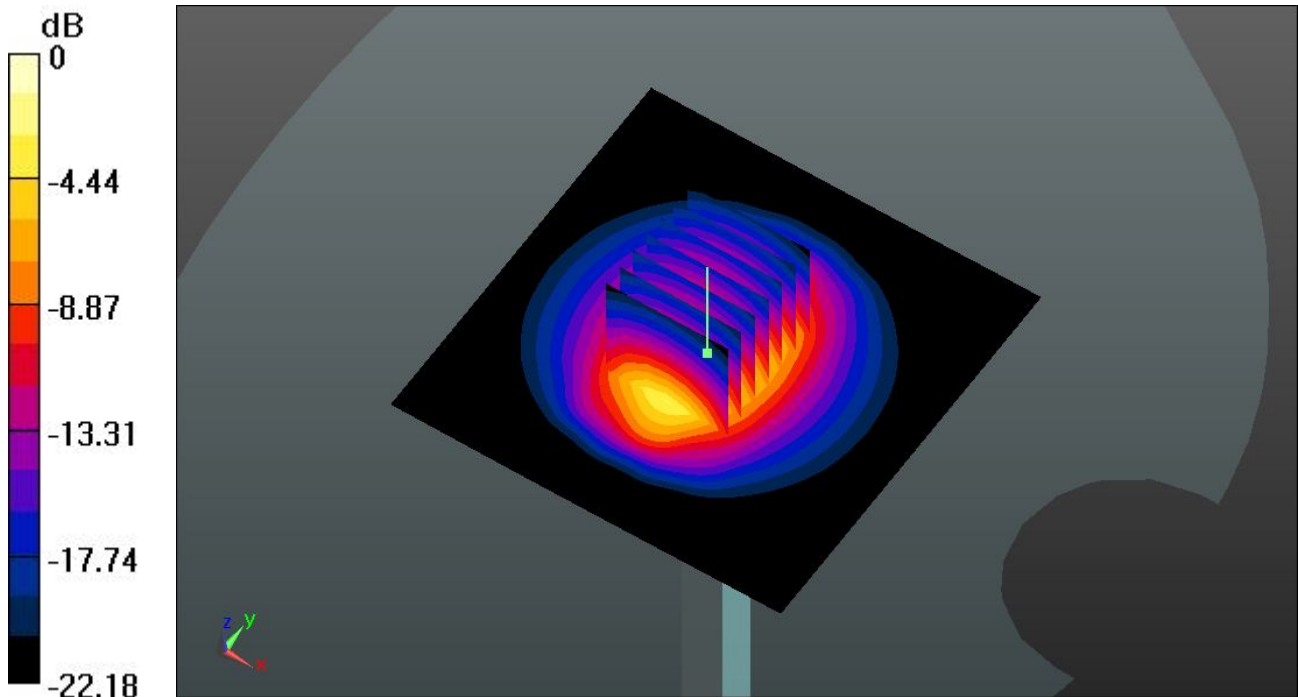
**Pin=250mW/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $87.992 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $28.219 \text{ mW/g}$

**SAR(1 g) =  $13.4 \text{ mW/g}$ ; SAR(10 g) =  $6.14 \text{ mW/g}$**

Maximum value of SAR (measured) =  $20.7 \text{ W/kg}$



0 dB =  $20.7 \text{ W/kg}$



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

The plots are shown as follows.



## 62 GSM850\_GSM Voice\_Right Cheek\_Ch251

**DUT: 370202**

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

Medium: HSL\_835\_130713 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 41.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.662 W/kg

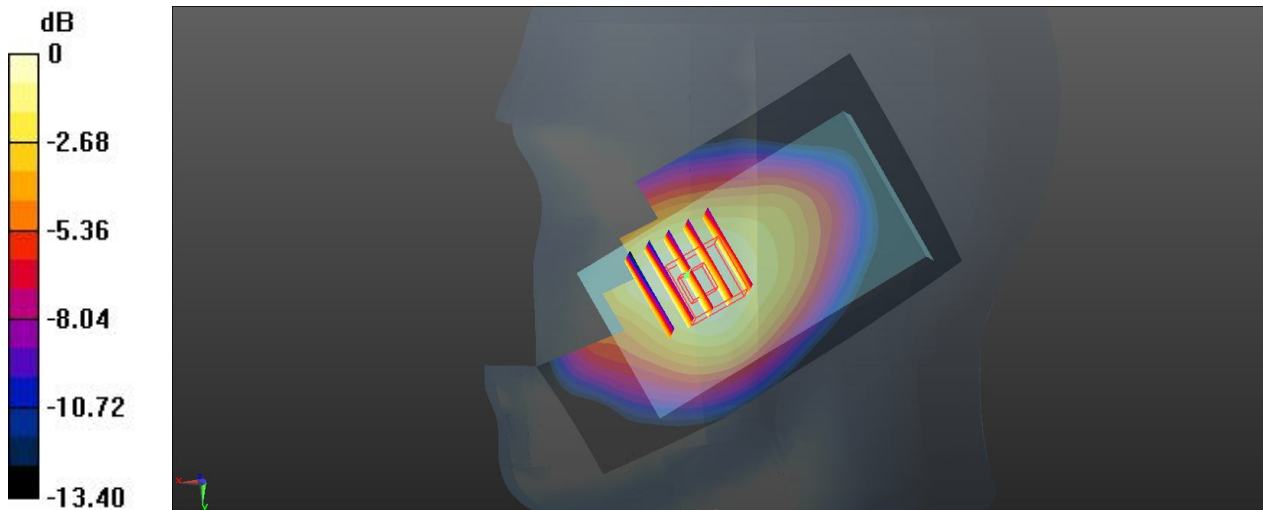
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.718 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.736 W/kg

**SAR(1 g) = 0.549 W/kg; SAR(10 g) = 0.398 W/kg**

Maximum value of SAR (measured) = 0.646 W/kg



0 dB = 0.646 W/kg

### 63 GSM850\_GSM Voice\_Right Tilted\_Ch251

**DUT: 370202**

Communication System: GSM Voice; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_835\_130713 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 41.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.472 W/kg

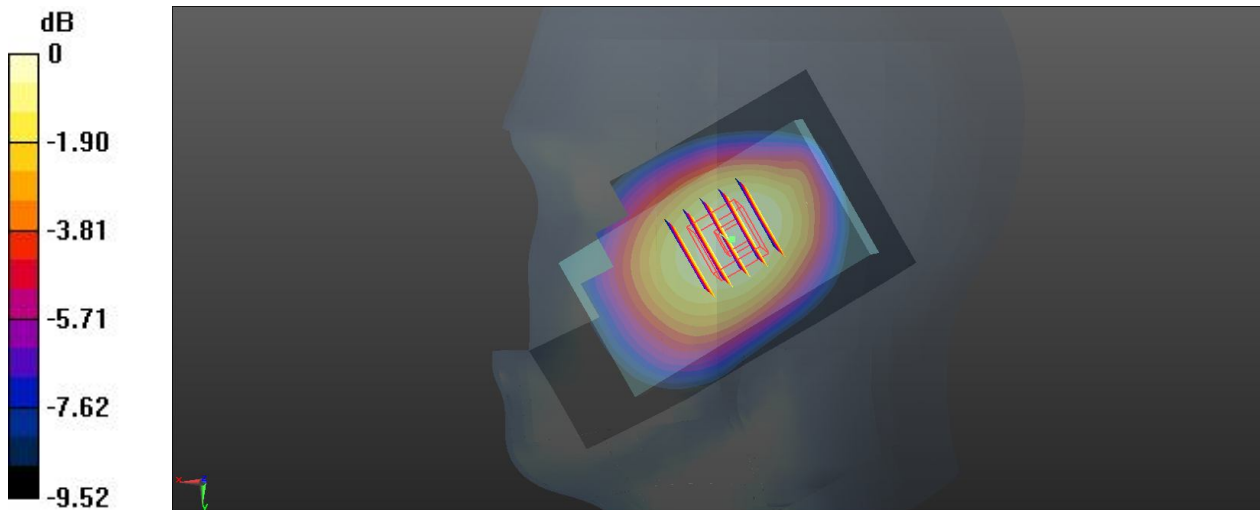
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.533 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.523 W/kg

**SAR(1 g) = 0.409 W/kg; SAR(10 g) = 0.303 W/kg**

Maximum value of SAR (measured) = 0.476 W/kg



0 dB = 0.476 W/kg

### 64 GSM850\_GSM Voice\_Left Cheek\_Ch251

**DUT: 370202**

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

Medium: HSL\_835\_130713 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 41.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.720 W/kg

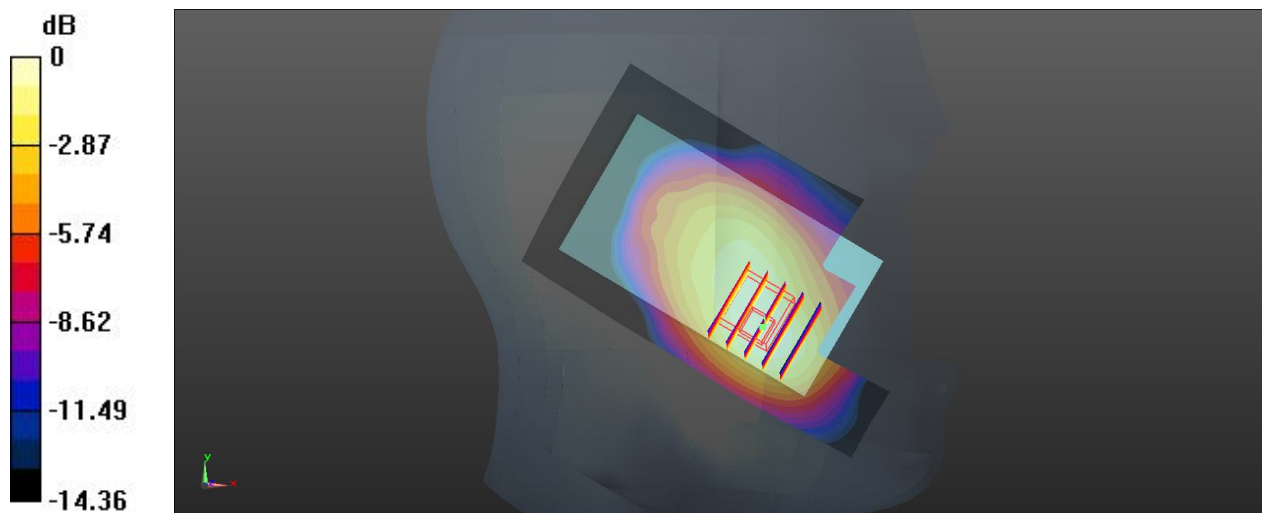
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.959 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.935 W/kg

**SAR(1 g) = 0.577 W/kg; SAR(10 g) = 0.383 W/kg**

Maximum value of SAR (measured) = 0.726 W/kg



0 dB = 0.726 W/kg

### 65 GSM850\_GSM Voice\_Left Tilted\_Ch251

**DUT: 370202**

Communication System: GSM Voice; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_835\_130713 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.941$  S/m;  $\epsilon_r = 41.625$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

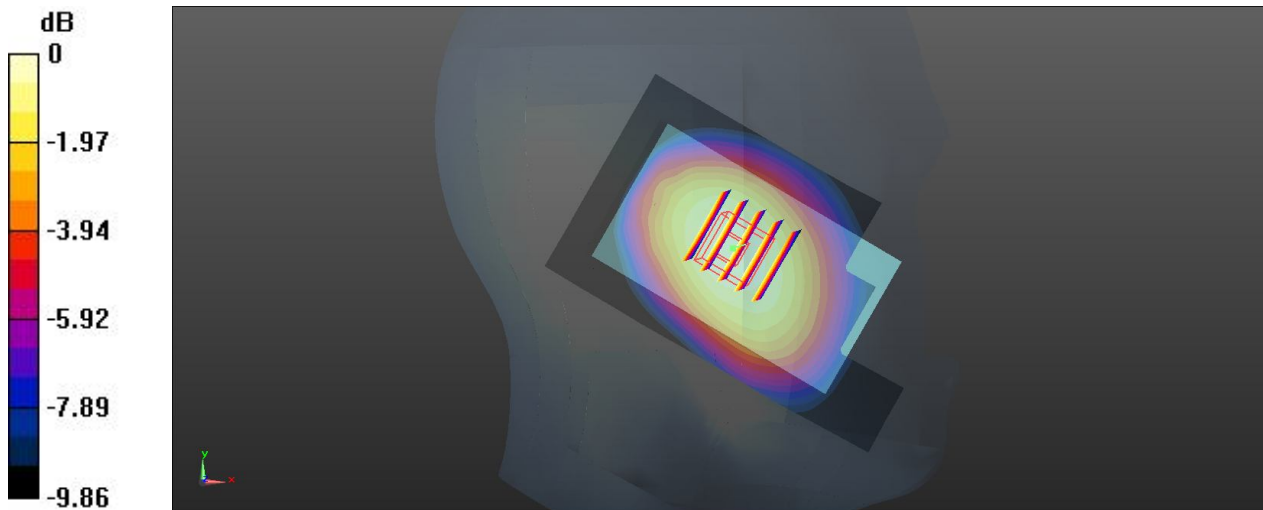
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.844 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.467 W/kg

**SAR(1 g) = 0.371 W/kg; SAR(10 g) = 0.275 W/kg**

Maximum value of SAR (measured) = 0.424 W/kg



0 dB = 0.424 W/kg

### 45 GSM1900\_GSM Voice\_Right Cheek\_Ch512

**DUT: 370202**

Communication System: GSM Voice; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.39$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.584 W/kg

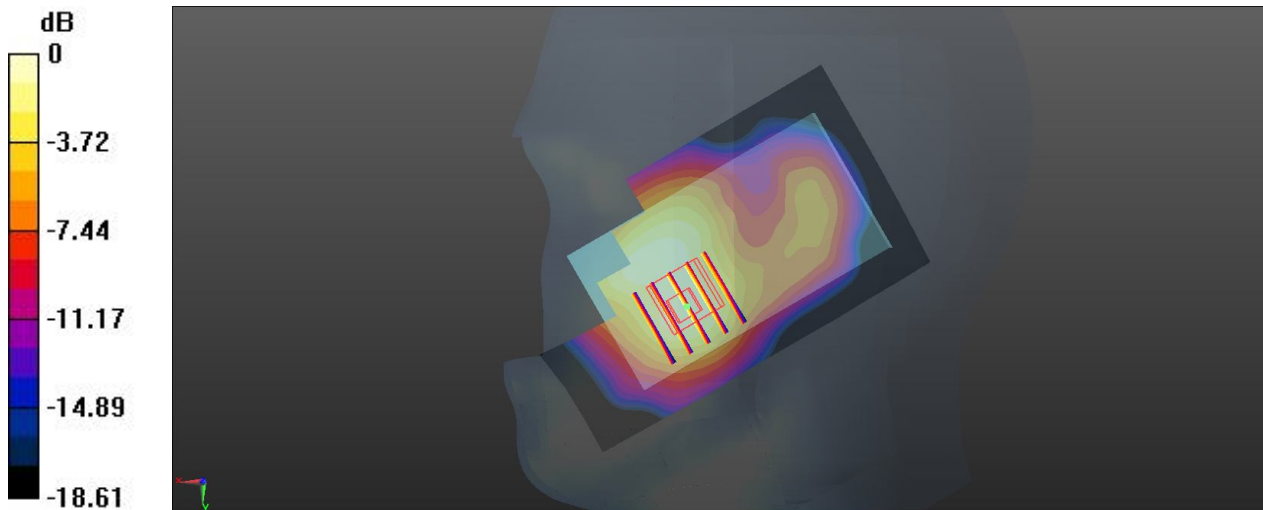
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.869 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.691 W/kg

**SAR(1 g) = 0.468 W/kg; SAR(10 g) = 0.286 W/kg**

Maximum value of SAR (measured) = 0.593 W/kg



### 46 GSM1900\_GSM Voice\_Right Tilted\_Ch512

**DUT: 370202**

Communication System: GSM Voice; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.39$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.258 W/kg

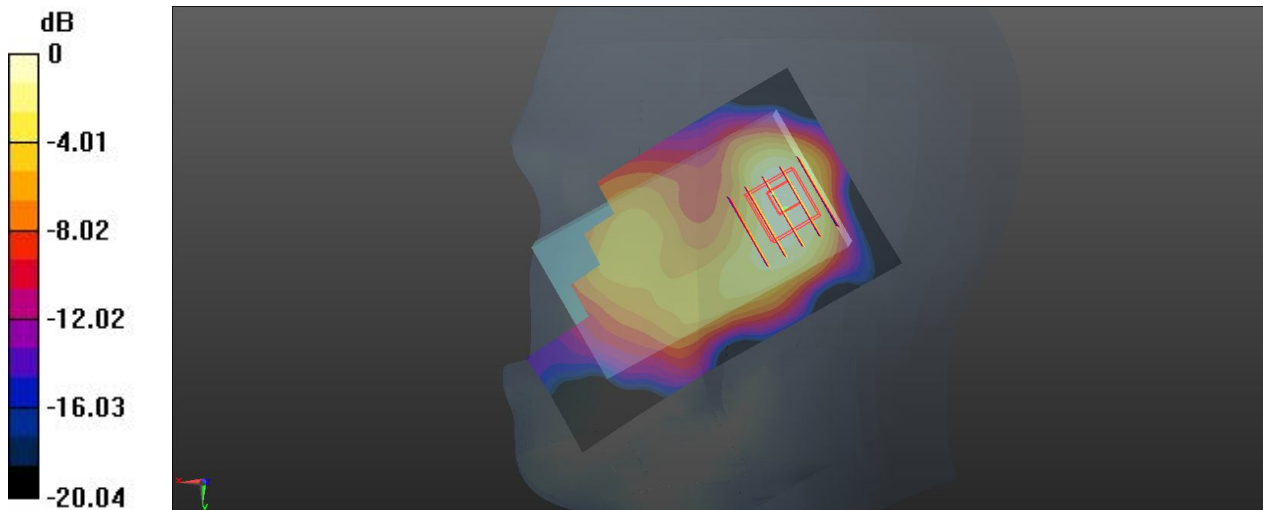
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.822 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.316 W/kg

**SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg

### 47 GSM1900\_GSM Voice\_Left Cheek\_Ch512

**DUT: 370202**

Communication System: GSM Voice; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.39$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.794 W/kg

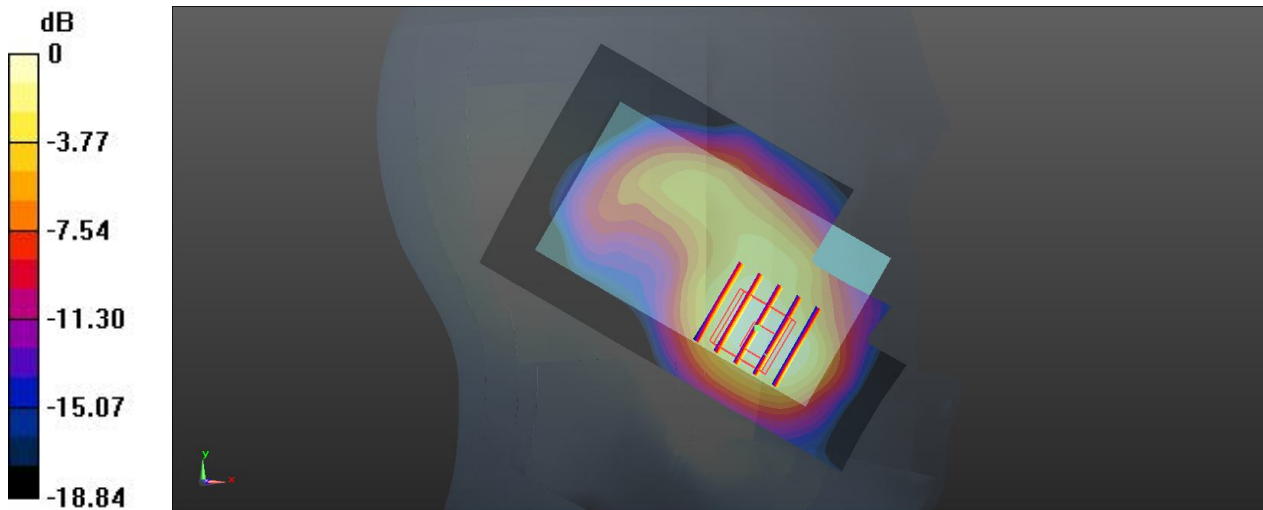
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.061 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.598 W/kg; SAR(10 g) = 0.331 W/kg**

Maximum value of SAR (measured) = 0.803 W/kg



0 dB = 0.803 W/kg



### 48 GSM1900\_GSM Voice\_Left Tilted\_Ch512

**DUT: 370202**

Communication System: GSM Voice; Frequency: 1850.2 MHz; Duty Cycle: 1:8.3  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.39$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.308 W/kg

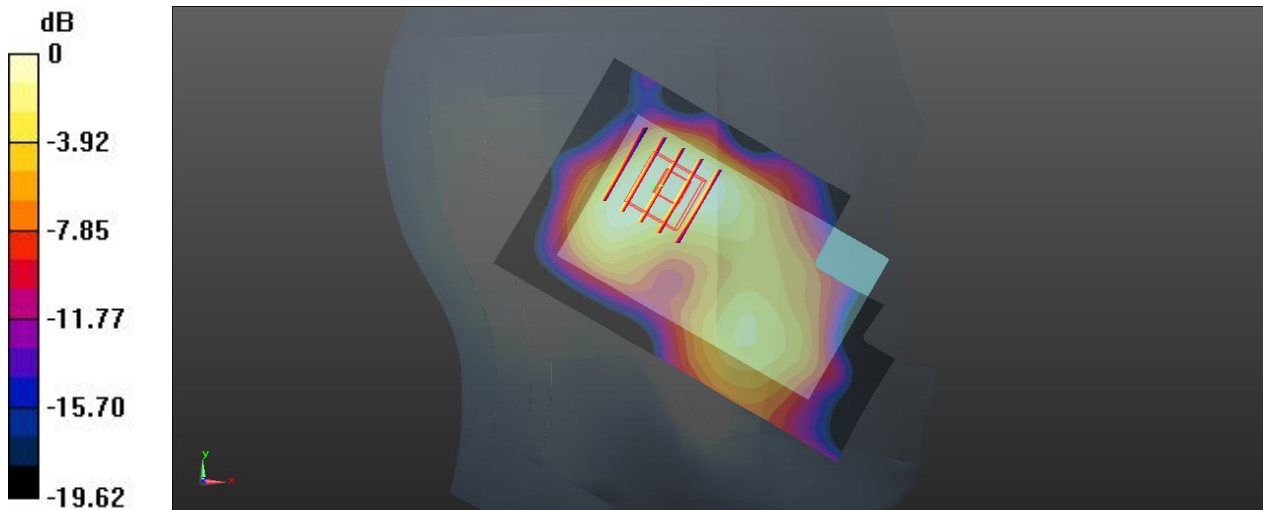
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.357 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.329 W/kg

**SAR(1 g) = 0.210 W/kg; SAR(10 g) = 0.126 W/kg**

Maximum value of SAR (measured) = 0.265 W/kg



0 dB = 0.265 W/kg



### 58 WCDMA Band V\_RMC 12.2K\_Right Cheek\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_130713 Medium parameters used:  $f = 826.5$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.889$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.612 W/kg

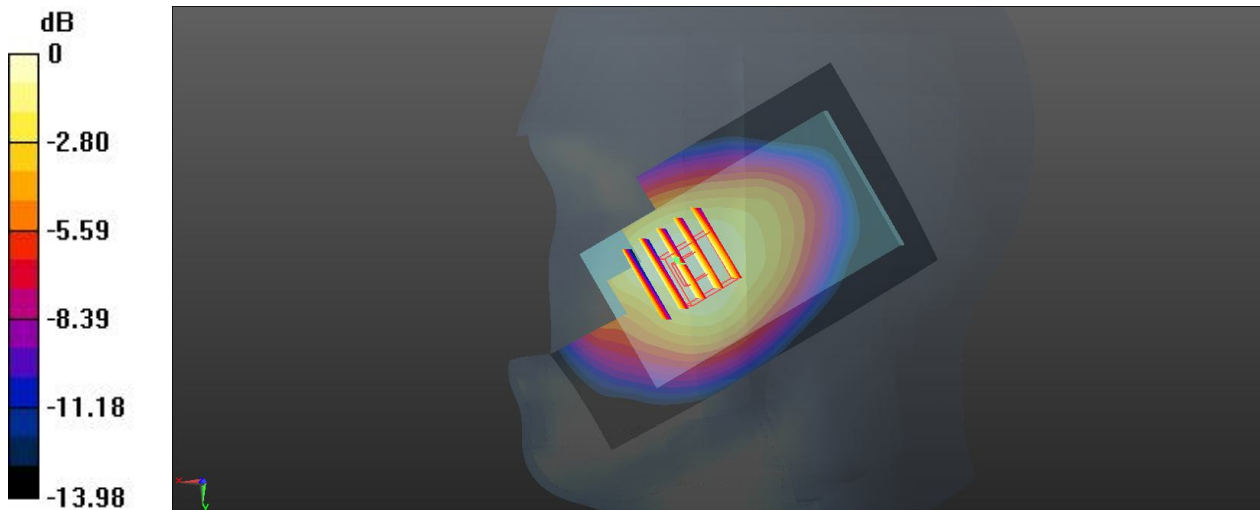
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.105 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.691 W/kg

**SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.368 W/kg**

Maximum value of SAR (measured) = 0.599 W/kg



0 dB = 0.599 W/kg

### 59 WCDMA Band V\_RMC 12.2K\_Right Tilted\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_130713 Medium parameters used:  $f = 826.5$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.889$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.392 W/kg

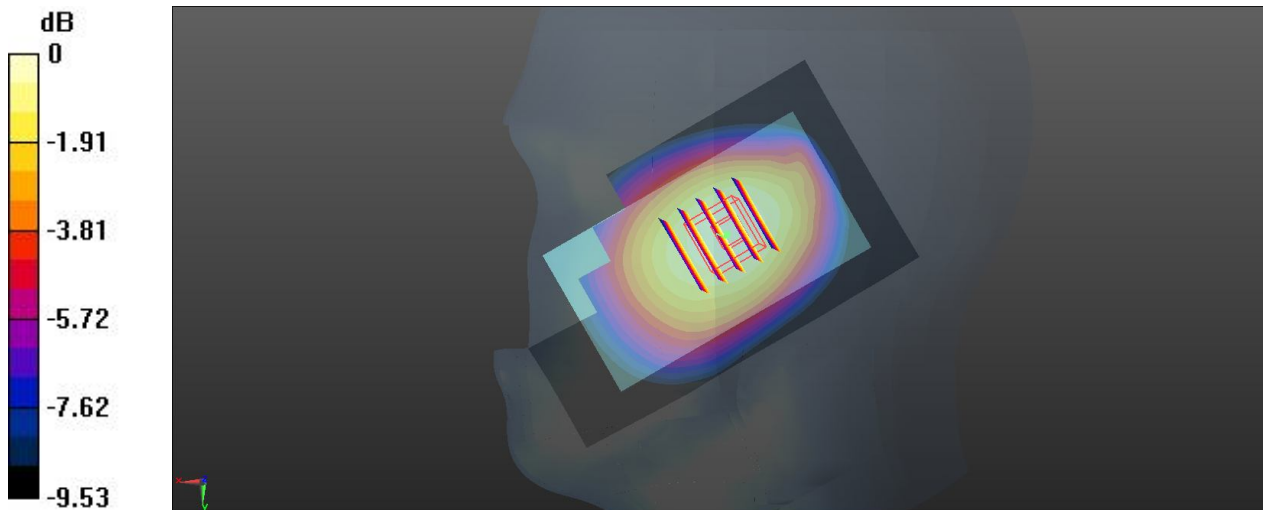
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.969 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.425 W/kg

**SAR(1 g) = 0.335 W/kg; SAR(10 g) = 0.249 W/kg**

Maximum value of SAR (measured) = 0.386 W/kg



0 dB = 0.386 W/kg

### 60 WCDMA Band V\_RMC 12.2K\_Left Cheek\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_130713 Medium parameters used:  $f = 826.5$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.889$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.677 W/kg

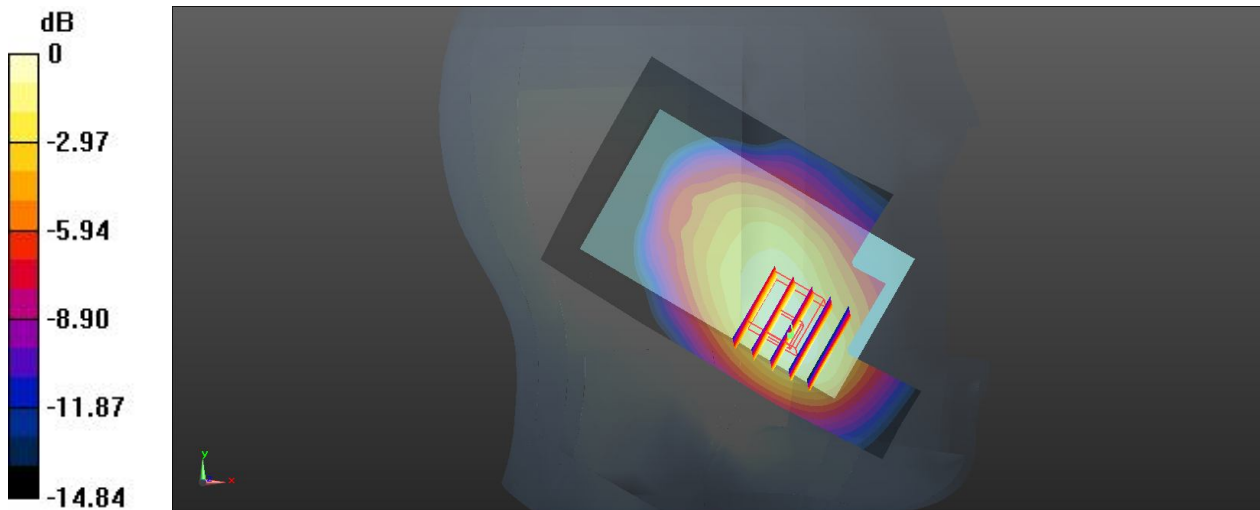
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.052 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.884 W/kg

**SAR(1 g) = 0.539 W/kg; SAR(10 g) = 0.353 W/kg**

Maximum value of SAR (measured) = 0.703 W/kg



0 dB = 0.703 W/kg

### 61 WCDMA Band V\_RMC 12.2K\_Left Tilted\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_835\_130713 Medium parameters used:  $f = 826.5$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 41.889$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(10.05, 10.05, 10.05); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.348 W/kg

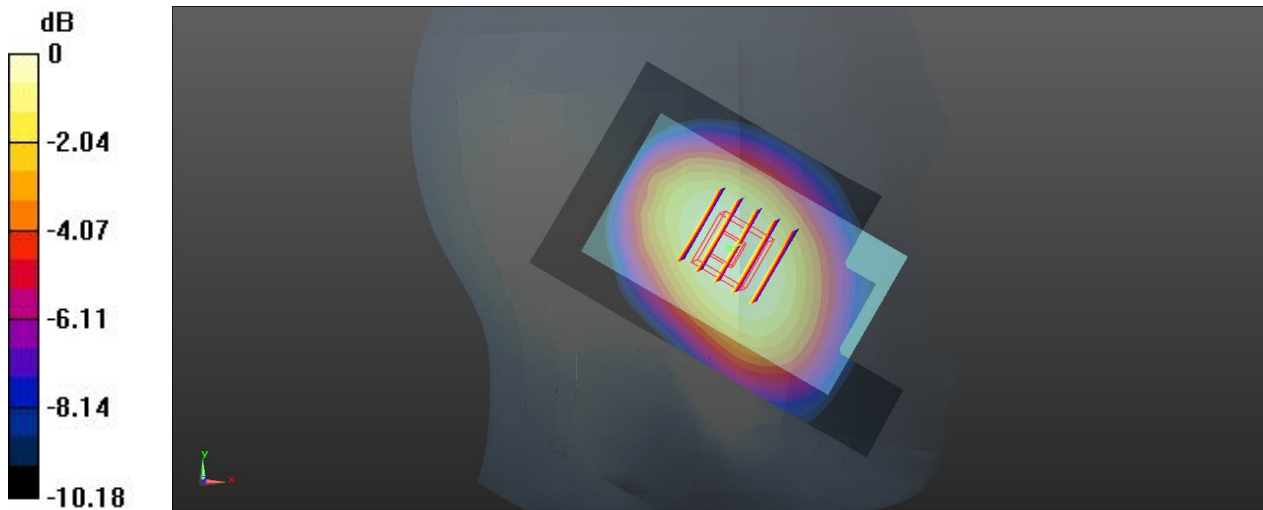
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.102 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.377 W/kg

**SAR(1 g) = 0.296 W/kg; SAR(10 g) = 0.219 W/kg**

Maximum value of SAR (measured) = 0.341 W/kg



0 dB = 0.341 W/kg

### 49 WCDMA Band II\_RMC 12.2K\_Right Cheek\_Ch9400

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 39.308$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.23 W/kg

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

Reference Value = 13.197 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.44 W/kg

**SAR(1 g) = 0.978 W/kg; SAR(10 g) = 0.598 W/kg**

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

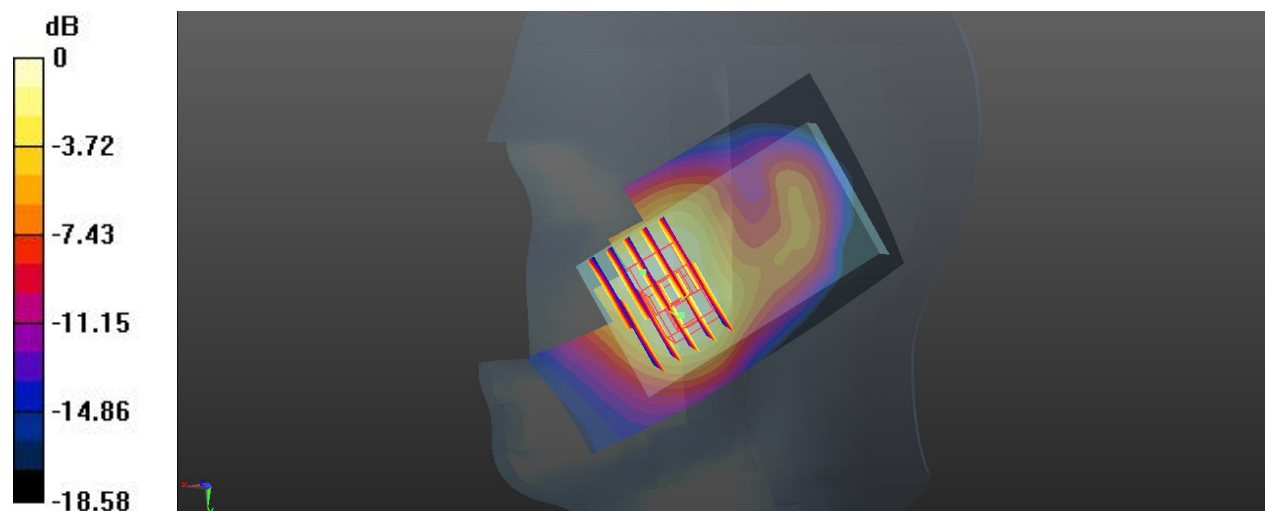
**Ch9400/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.197 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.42 W/kg

**SAR(1 g) = 0.882 W/kg; SAR(10 g) = 0.550 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg



0 dB = 1.20 W/kg

### 50 WCDMA Band II\_RMC 12.2K\_Right Tilted\_Ch9400

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 39.308$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.439 W/kg

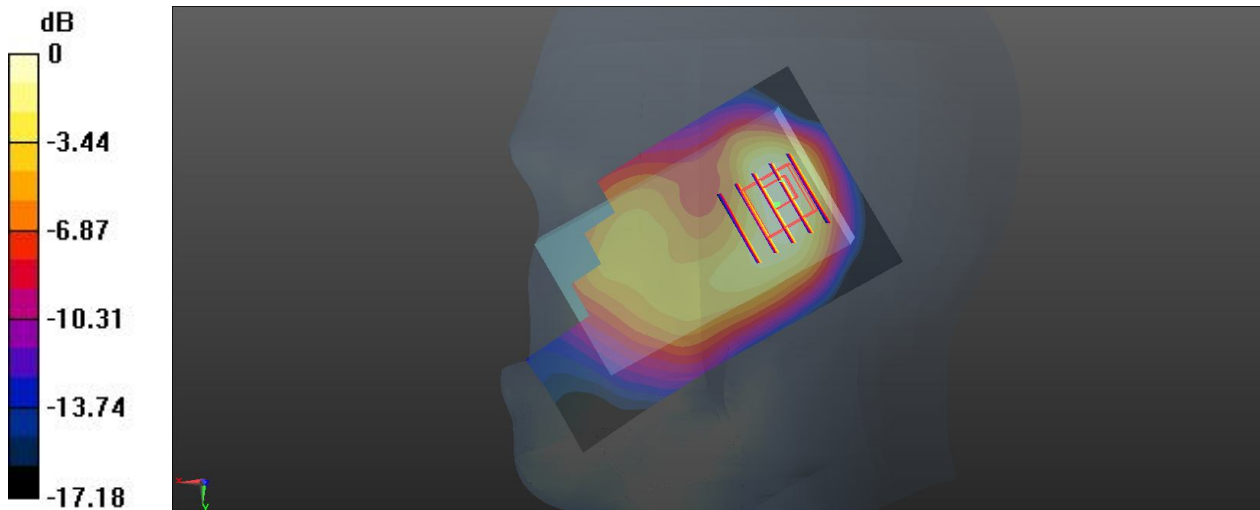
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.514 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.556 W/kg

**SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.190 W/kg**

Maximum value of SAR (measured) = 0.428 W/kg



0 dB = 0.428 W/kg

### 51 WCDMA Band II\_RMC 12.2K\_Left Cheek\_Ch9400

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 39.308$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.73 W/kg

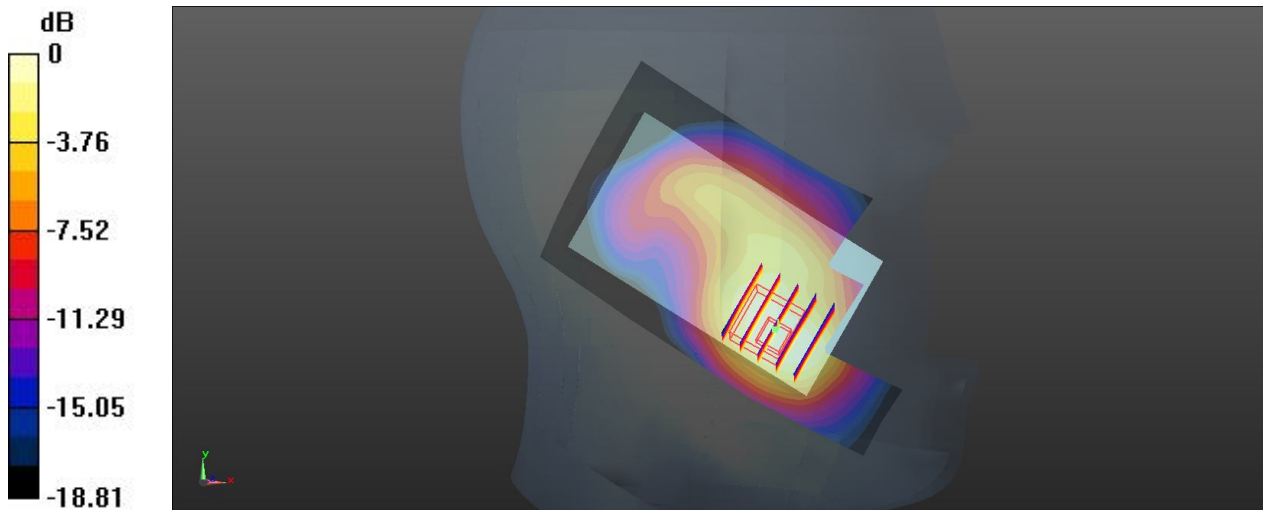
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.011 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 2.46 W/kg

**SAR(1 g) = 1.340 W/kg; SAR(10 g) = 0.730 W/kg**

Maximum value of SAR (measured) = 1.75 W/kg



0 dB = 1.75 W/kg



### 55 WCDMA Band II\_RMC 12.2K\_Left Cheek\_Ch9400\_Repeat SAR

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 39.308$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.66 W/kg

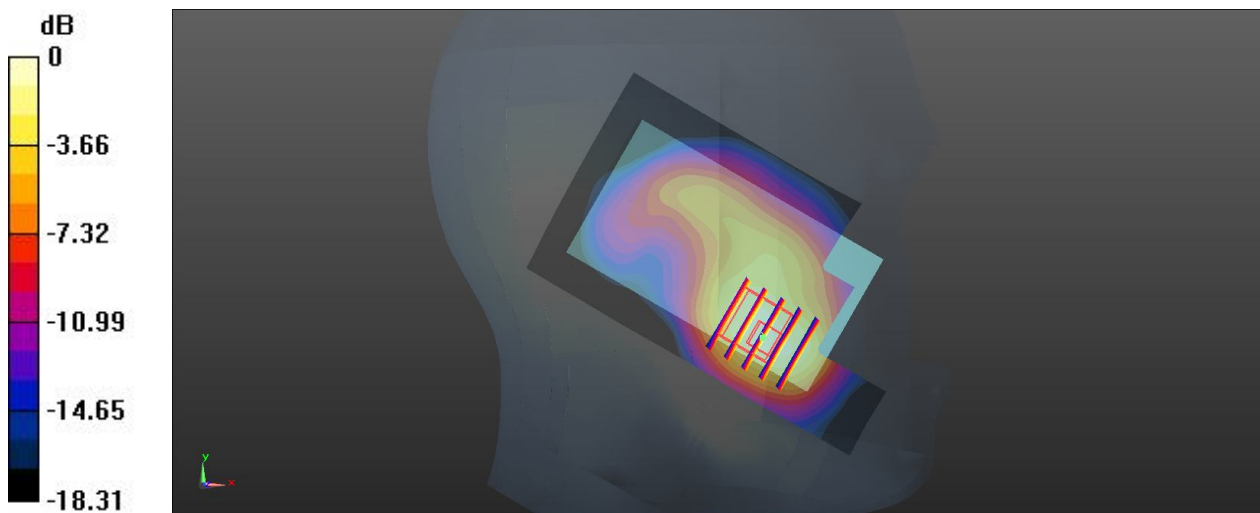
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.641 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 2.42 W/kg

**SAR(1 g) = 1.330 W/kg; SAR(10 g) = 0.728 W/kg**

Maximum value of SAR (measured) = 1.90 W/kg



0 dB = 1.90 W/kg



### 52 WCDMA Band II\_RMC 12.2K\_Left Tilted\_Ch9400

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.387$  S/m;  $\epsilon_r = 39.308$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.551 W/kg

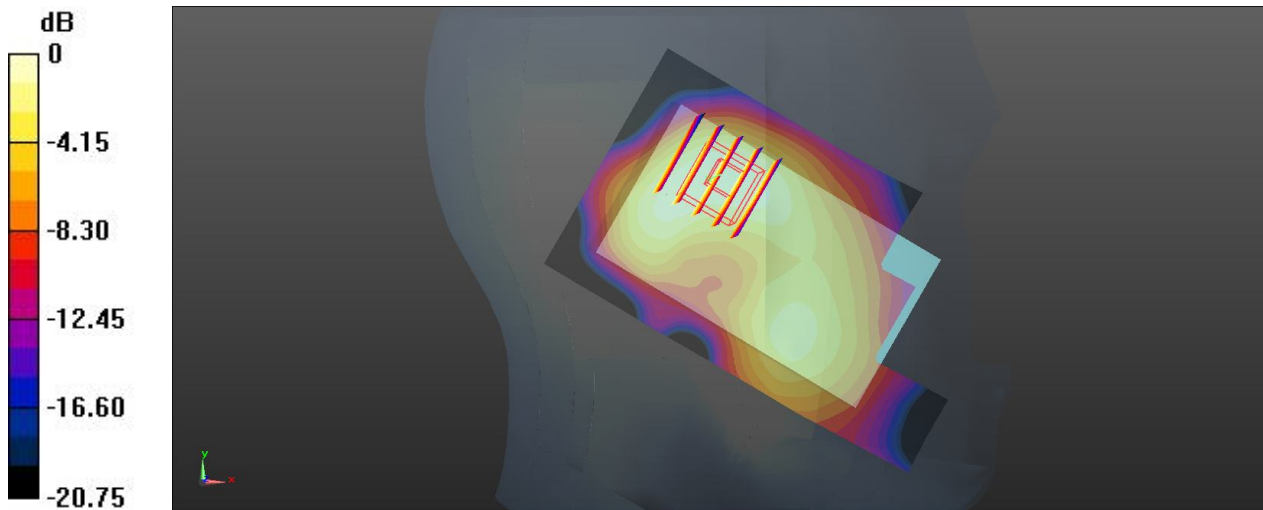
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.855 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.600 W/kg

**SAR(1 g) = 0.378 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.488 W/kg



0 dB = 0.488 W/kg

### 53 WCDMA Band II\_RMC 12.2K\_Right Cheek\_Ch9262

**DUT: 370202**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.353$  S/m;  $\epsilon_r = 39.378$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.19 W/kg

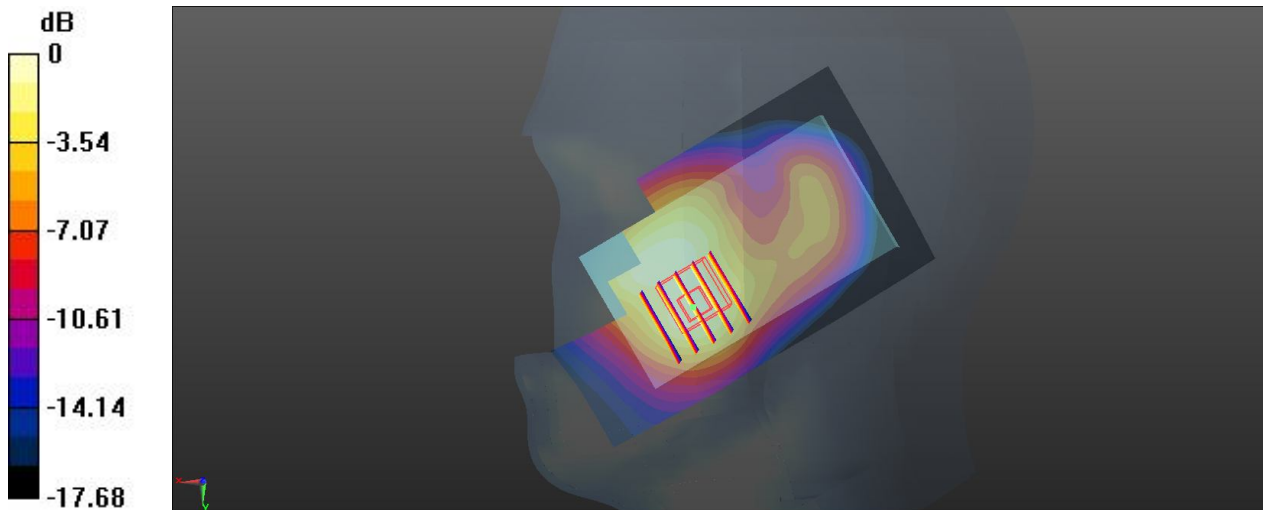
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.459 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.946 W/kg; SAR(10 g) = 0.585 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

**54 WCDMA Band II\_RMC 12.2K\_Right Cheek\_Ch9538**

**DUT: 370202**

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

Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.42 \text{ S/m}$ ;  $\epsilon_r = 39.311$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.19 W/kg

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

Reference Value = 12.184 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.39 W/kg

**SAR(1 g) = 0.941 W/kg; SAR(10 g) = 0.573 W/kg**

Maximum value of SAR (measured) = 1.20 W/kg

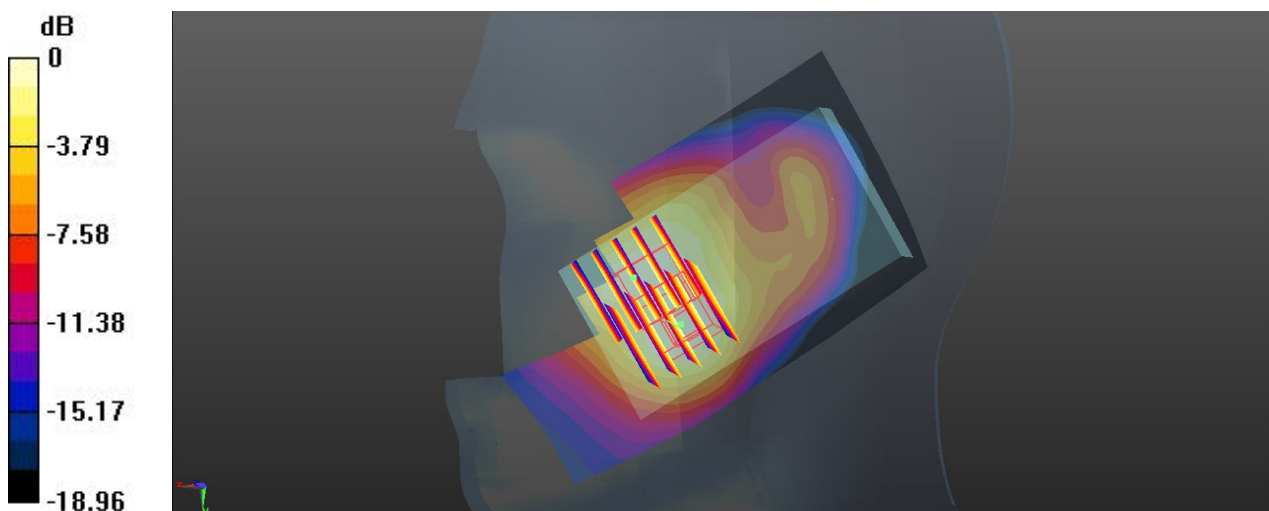
**Ch9538/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.184 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.829 W/kg; SAR(10 g) = 0.516 W/kg**

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



0 dB = 1.13 W/kg

### 56 WCDMA Band II\_RMC 12.2K\_Left Cheek\_Ch9262

**DUT: 370202**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.353$  S/m;  $\epsilon_r = 39.378$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.71 W/kg

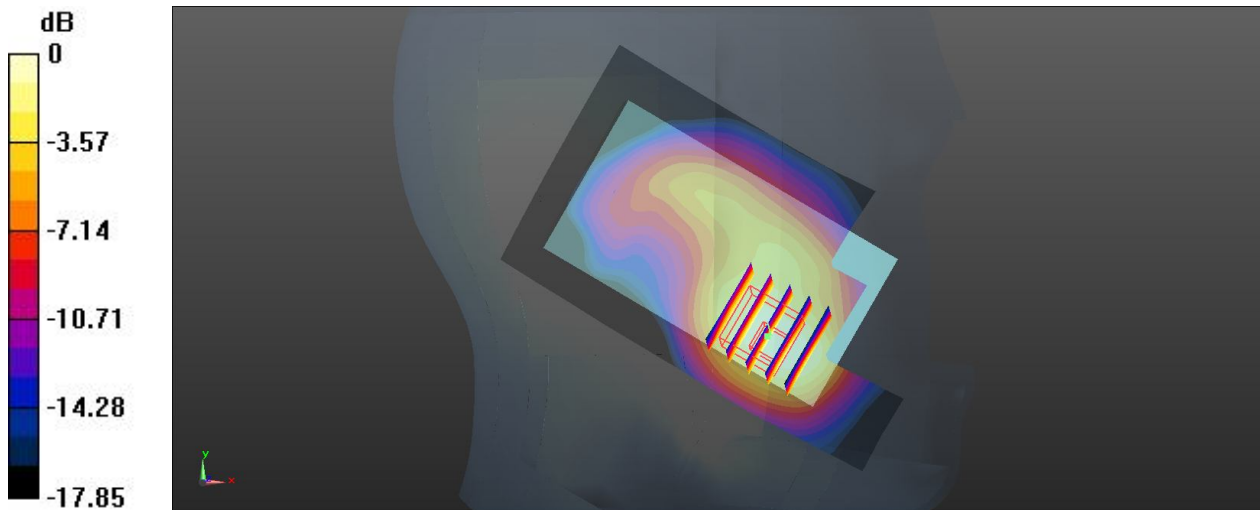
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.103 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 2.46 W/kg

**SAR(1 g) = 1.340 W/kg; SAR(10 g) = 0.729 W/kg**

Maximum value of SAR (measured) = 1.81 W/kg



0 dB = 1.81 W/kg

**57 WCDMA Band II\_RMC 12.2K\_Left Cheek\_Ch9538**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: HSL\_1900\_130713 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.42 \text{ S/m}$ ;  $\epsilon_r = 39.311$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(8.25, 8.25, 8.25); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch9538/Area Scan (61x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.69 \text{ W/kg}$

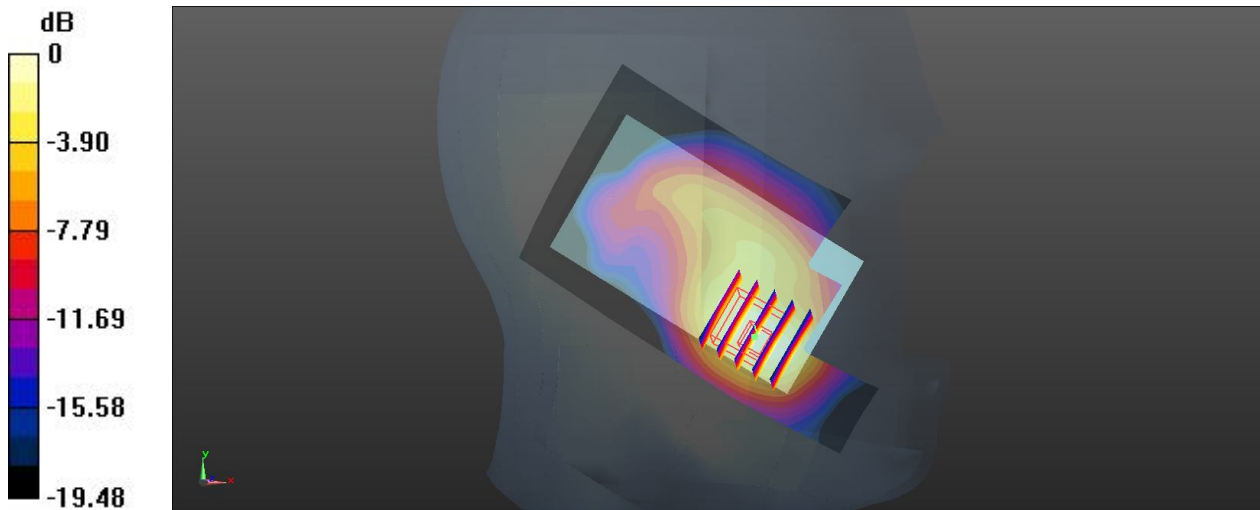
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.241 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $2.47 \text{ W/kg}$

**SAR(1 g) =  $1.330 \text{ W/kg}$ ; SAR(10 g) =  $0.700 \text{ W/kg}$**

Maximum value of SAR (measured) =  $1.90 \text{ W/kg}$



0 dB =  $1.90 \text{ W/kg}$

### 66 WLAN2.4GHz\_802.11b\_Right Cheek\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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 (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0287 W/kg

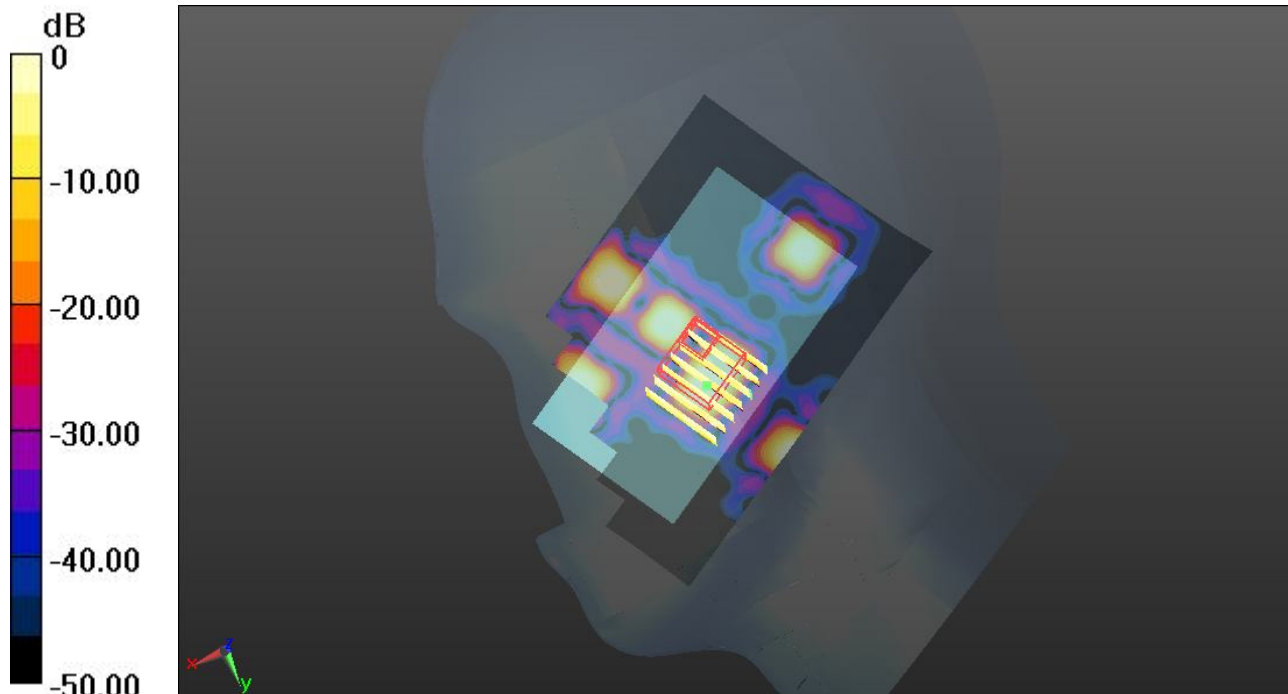
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.192 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.011 mW/g

**SAR(1 g) = 0.000247 mW/g; SAR(10 g) = 0.00005 mW/g**

Maximum value of SAR (measured) = 0.00599 W/kg



0 dB = 0.00599 W/kg

### 67 WLAN2.4GHz\_802.11b\_Right Tilted\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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 (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0177 W/kg

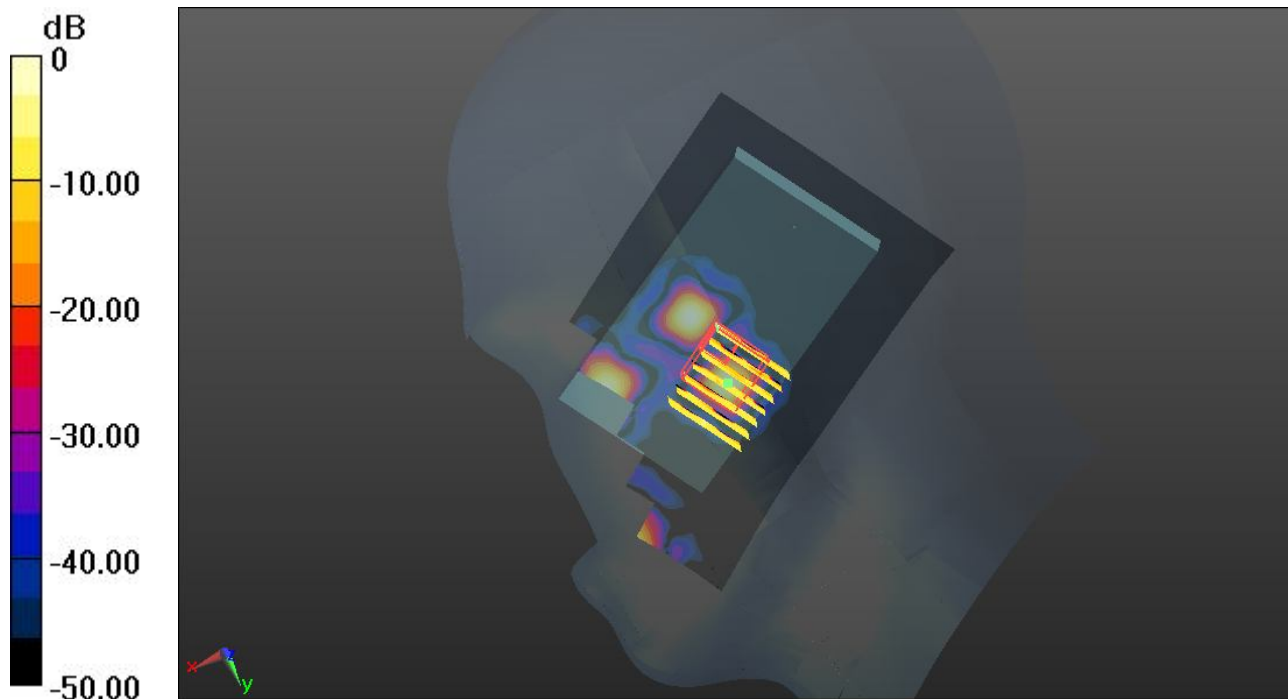
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.127 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.020 mW/g

**SAR(1 g) = 0.0000683 mW/g; SAR(10 g) = 0.00005 mW/g**

Maximum value of SAR (measured) = 0.0201 W/kg



0 dB = 0.0201 W/kg



### 68 WLAN2.4GHz\_802.11b\_Left Cheek\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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 (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0145 W/kg

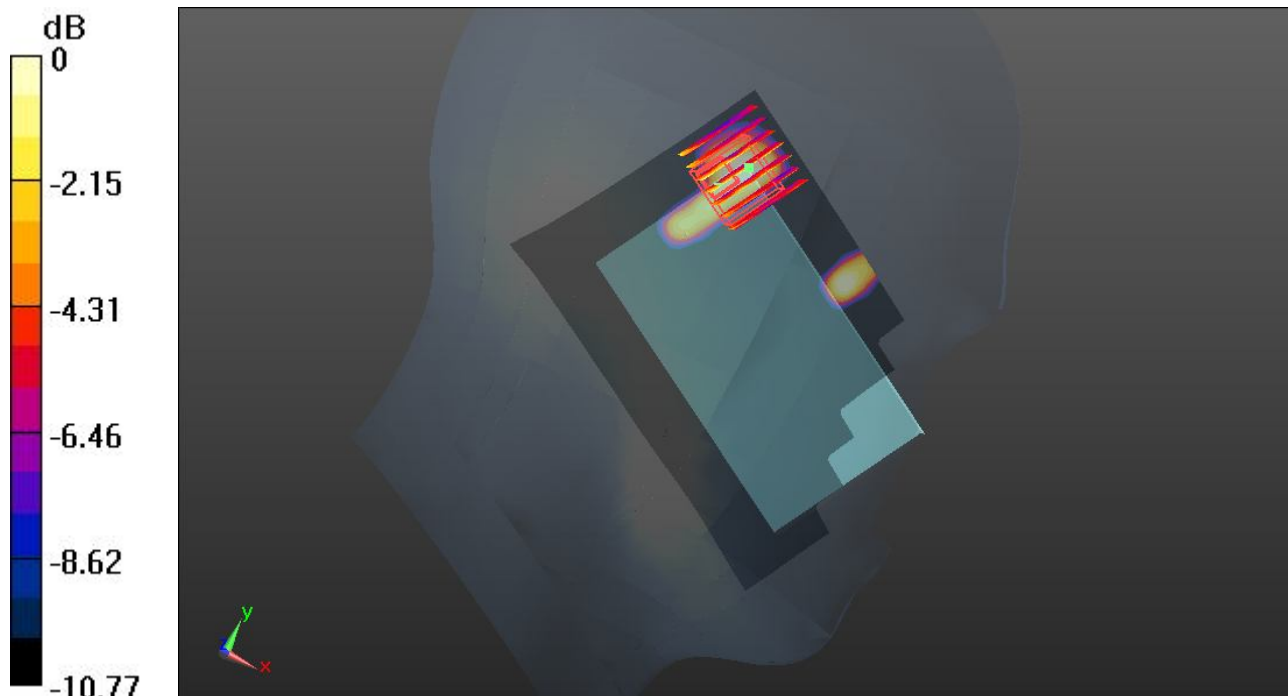
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.021 mW/g

**SAR(1 g) = 0.00934 mW/g; SAR(10 g) = 0.00483 mW/g**

Maximum value of SAR (measured) = 0.0133 W/kg



0 dB = 0.0133 W/kg



**69 WLAN2.4GHz\_802.11b\_Left Tilted\_Ch11**

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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 (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0114 W/kg

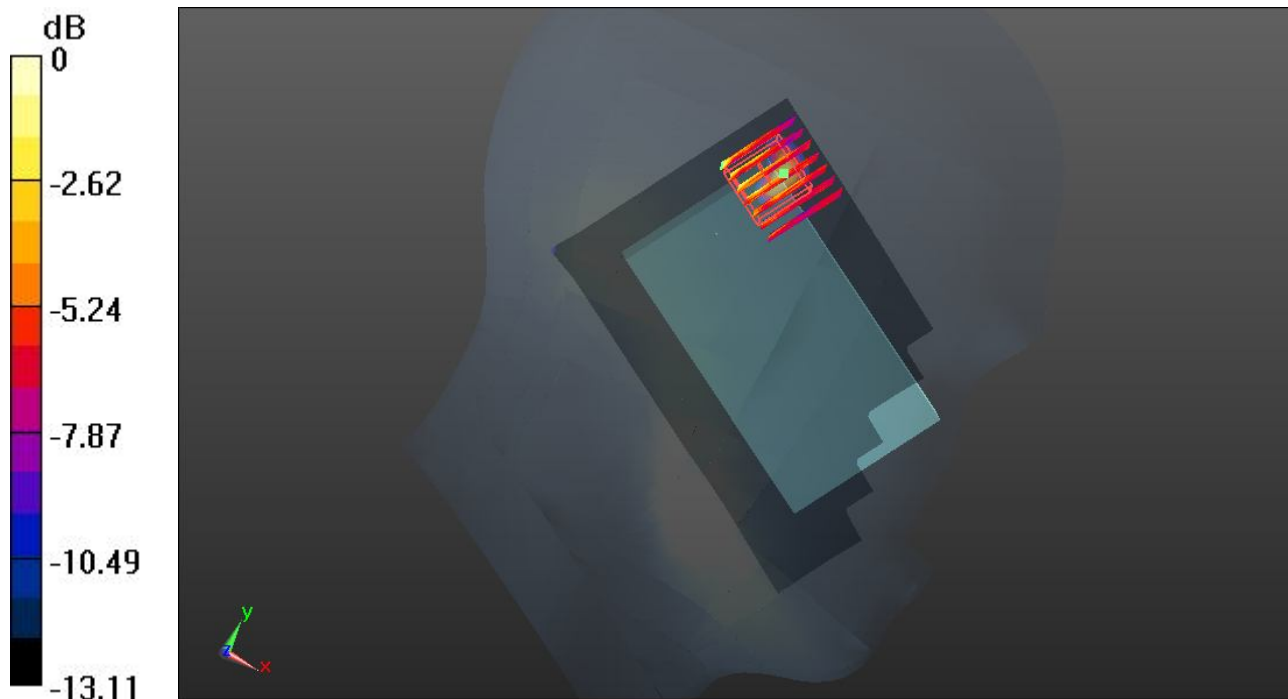
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.019 mW/g

**SAR(1 g) = 0.00807 mW/g; SAR(10 g) = 0.00446 mW/g**

Maximum value of SAR (measured) = 0.0159 W/kg



0 dB = 0.0159 W/kg

### 70 WLAN2.4GHz\_802.11g\_Left Cheek\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.067

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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 (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0239 W/kg

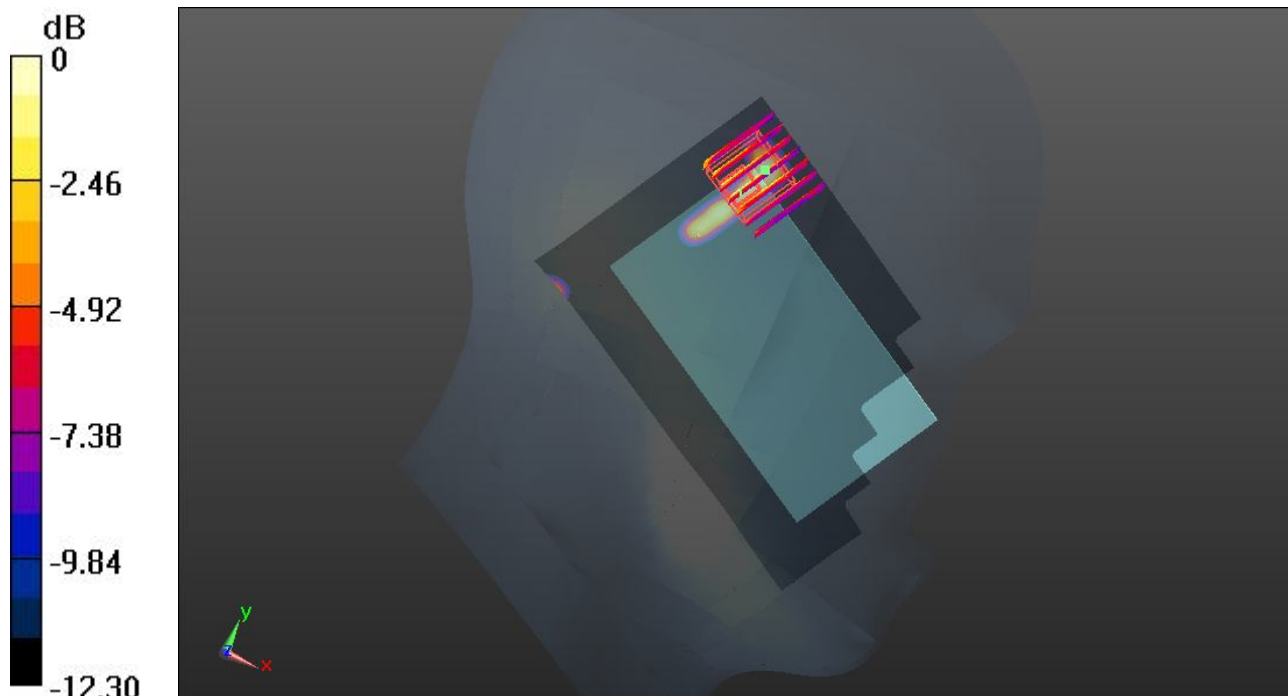
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.026 mW/g

**SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00593 mW/g**

Maximum value of SAR (measured) = 0.0190 W/kg



0 dB = 0.0190 W/kg

### 71 WLAN2.4GHz\_802.11n\_HT20\_Left Cheek\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.085

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.6 °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 (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0195 W/kg

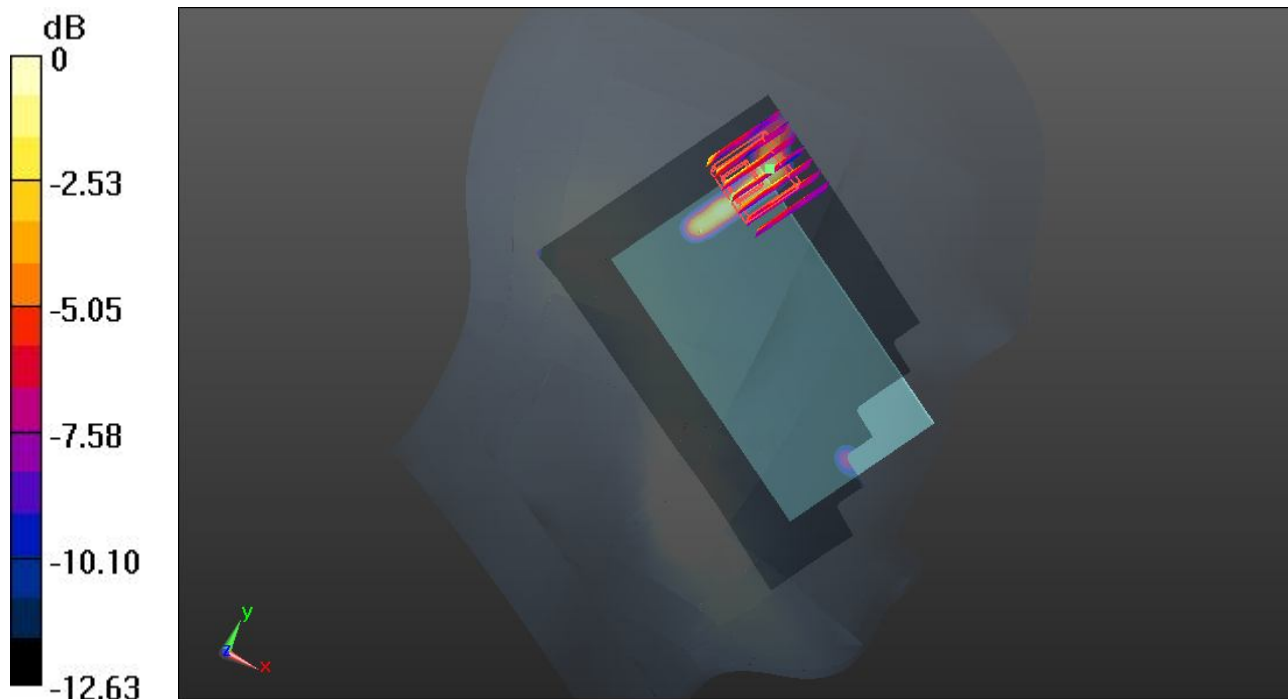
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.538 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.031 mW/g

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00536 mW/g**

Maximum value of SAR (measured) = 0.0199 W/kg



0 dB = 0.0199 W/kg

## 72 WLAN2.4GHz\_802.11n\_HT40\_Left Cheek\_Ch9

**DUT: 370202**

Communication System: WIFI; Frequency: 2452 MHz; Duty Cycle: 1:168

Medium: HSL\_2450\_130716 Medium parameters used:  $f = 2452$  MHz;  $\sigma = 1.88$  mho/m;  $\epsilon_r = 40.456$ ;

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

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

**Ch9/Area Scan (81x121x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0162 W/kg

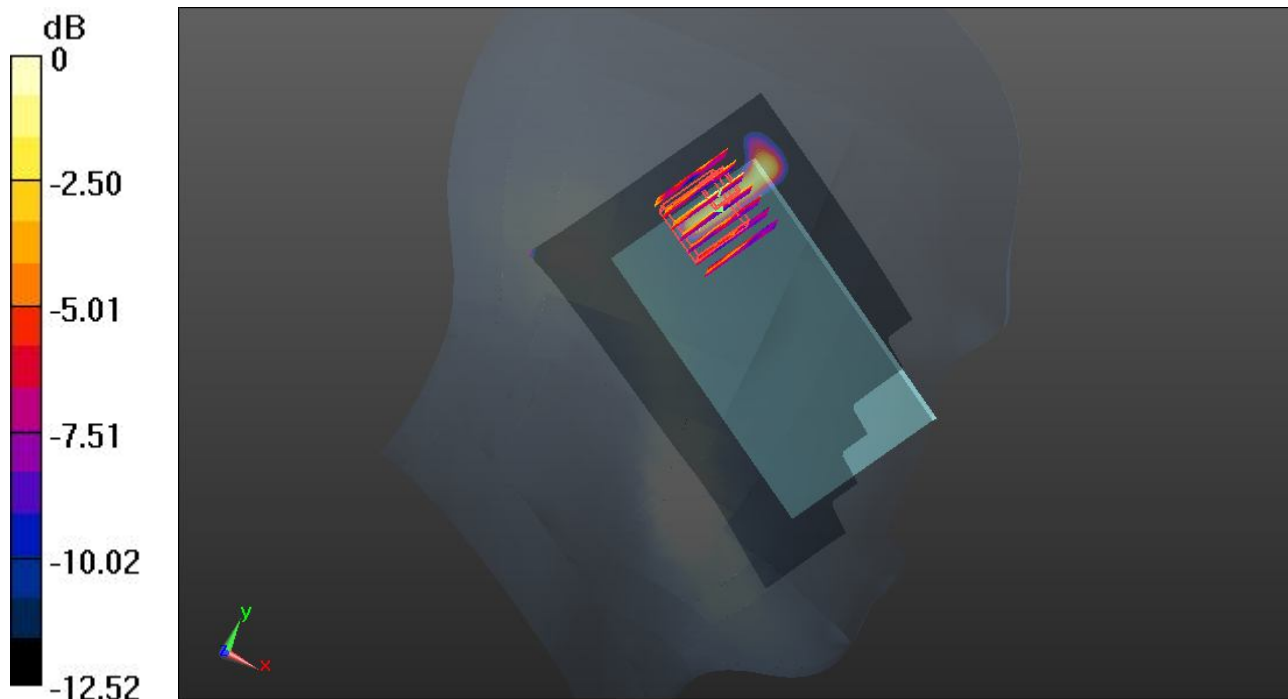
**Ch9/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.842 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.025 mW/g

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00663 mW/g**

Maximum value of SAR (measured) = 0.0208 W/kg



0 dB = 0.0208 W/kg

**25 GSM850\_GPRS(4Tx slots)\_Front\_1.0cm\_Ch251**

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 848.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

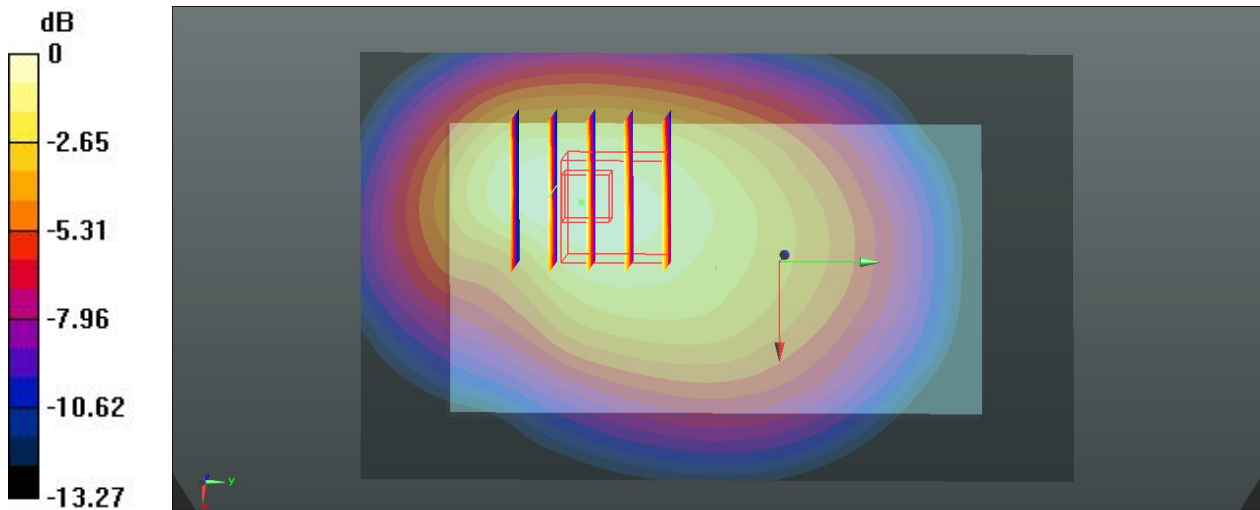
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.904 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.20 W/kg

**SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.527 W/kg**

Maximum value of SAR (measured) = 0.974 W/kg



0 dB = 0.974 W/kg

### 26 GSM850\_GPRS(4Tx slots)\_Back\_1.0cm\_Ch251

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 848.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.782 W/kg

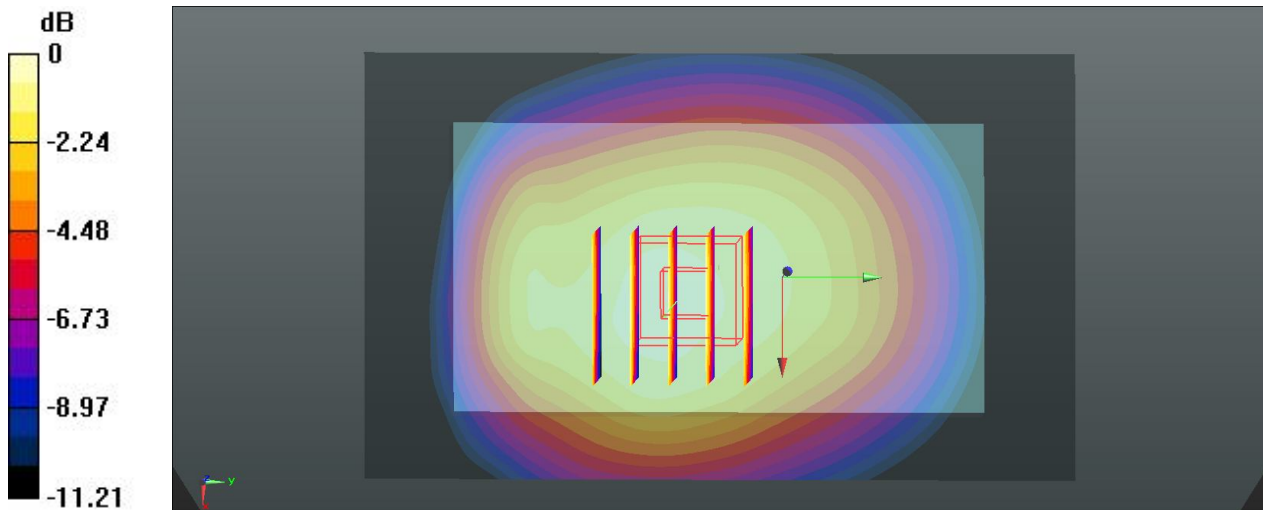
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.338 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.967 W/kg

**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.509 W/kg**

Maximum value of SAR (measured) = 0.844 W/kg



0 dB = 0.844 W/kg

### 27 GSM850\_GPRS(4Tx slots)\_Left side\_1.0cm\_Ch251

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 848.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch251/Area Scan (31x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.725 W/kg

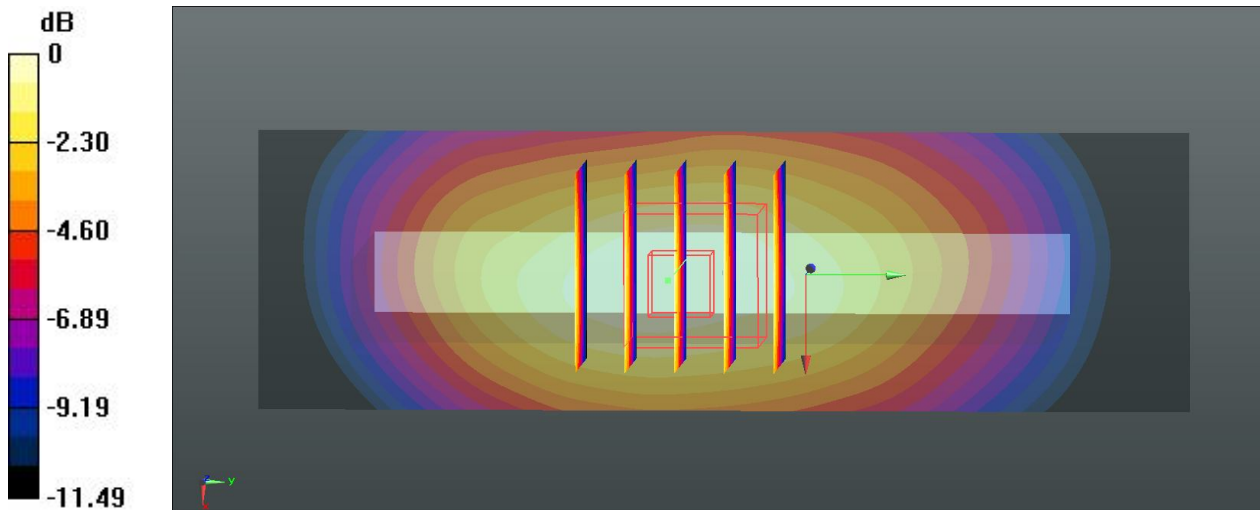
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.911 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.898 W/kg

**SAR(1 g) = 0.596 W/kg; SAR(10 g) = 0.397 W/kg**

Maximum value of SAR (measured) = 0.738 W/kg



0 dB = 0.738 W/kg



### 28 GSM850\_GPRS(4Tx slots)\_Right side\_1.0cm\_Ch251

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 848.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch251/Area Scan (31x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.512 W/kg

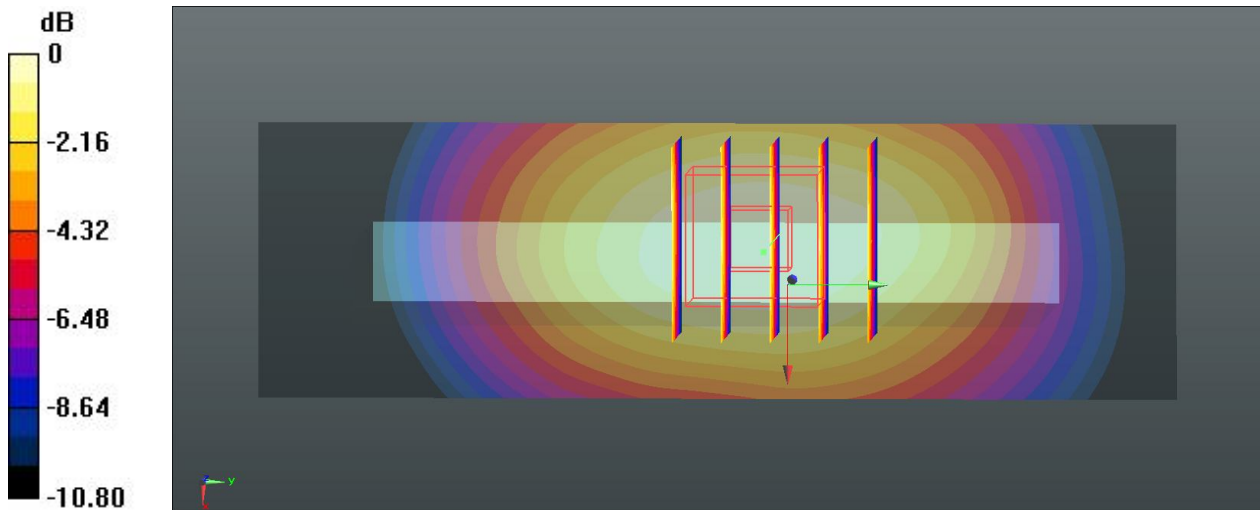
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.265 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.598 W/kg

**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.287 W/kg**

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



0 dB = 0.509 W/kg



### 29 GSM850\_GPRS(4Tx slots)\_Bottom side\_1.0cm\_Ch251

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 848.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch251/Area Scan (31x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.0749 W/kg

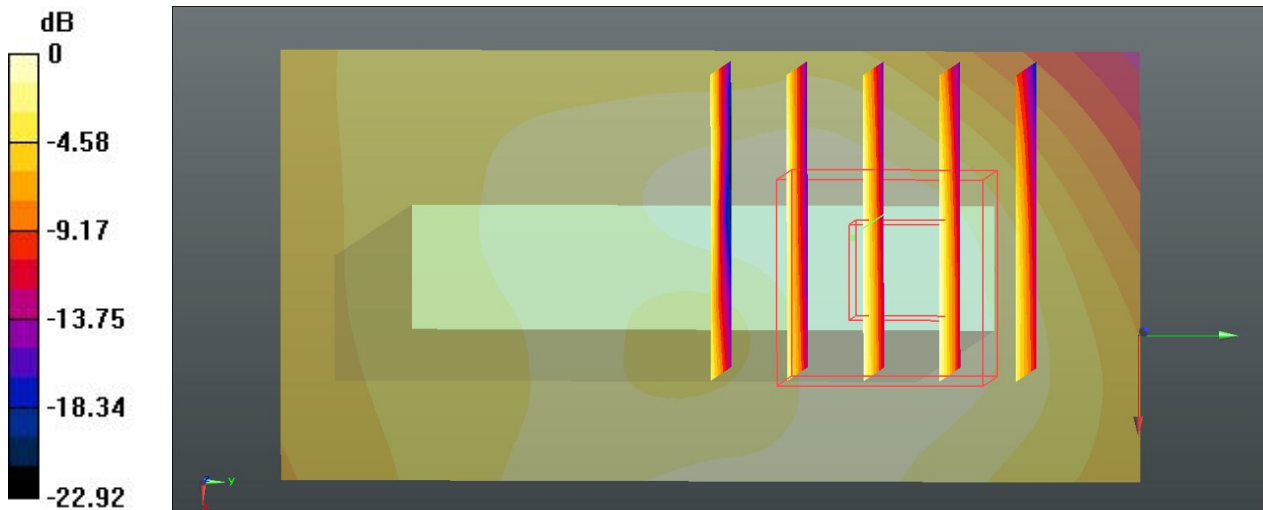
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.523 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.0900 W/kg

**SAR(1 g) = 0.054 W/kg; SAR(10 g) = 0.030 W/kg**

Maximum value of SAR (measured) = 0.0731 W/kg



0 dB = 0.0731 W/kg

**30 GSM850\_GPRS(4Tx slots)\_Front\_1.0cm\_Ch128**

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 824.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.966$  S/m;  $\epsilon_r = 54.469$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.927 W/kg

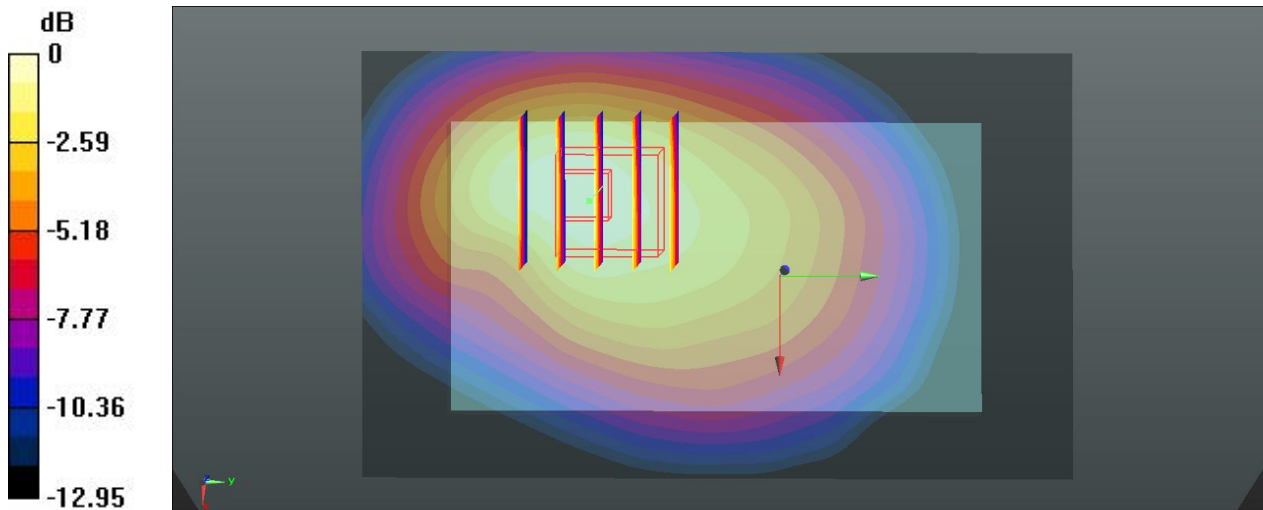
**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.524 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.751 W/kg; SAR(10 g) = 0.496 W/kg**

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



0 dB = 0.964 W/kg

### 31 GSM850\_GPRS(4Tx slots)\_Front\_1.0cm\_Ch189

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 54.38$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

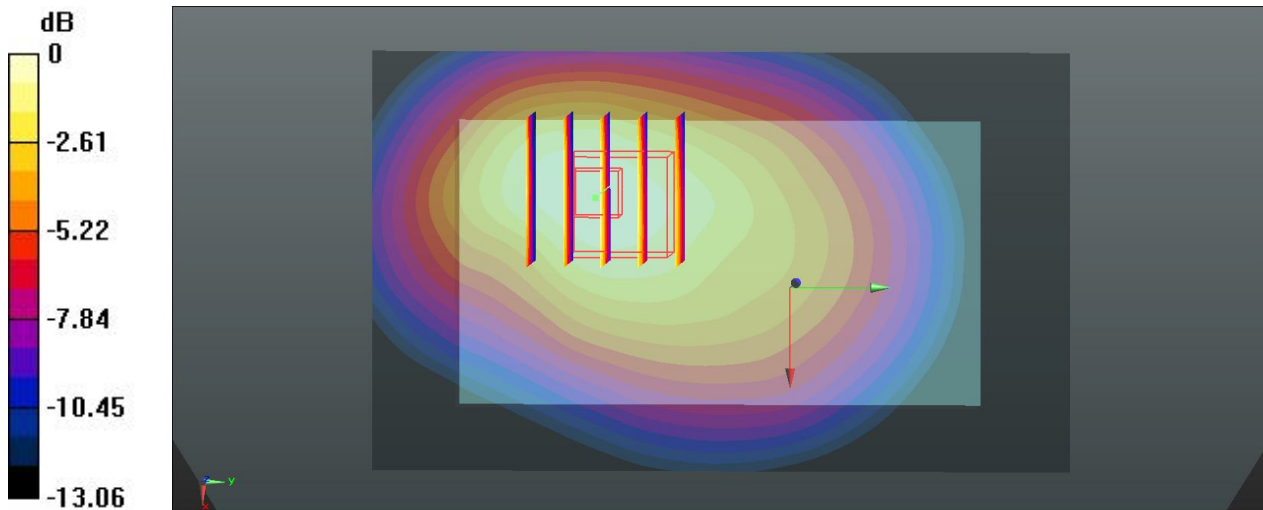
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.605 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.22 W/kg

**SAR(1 g) = 0.788 W/kg; SAR(10 g) = 0.526 W/kg**

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



0 dB = 1.03 W/kg

### 32 GSM850\_GSM Voice\_Front\_1.0cm\_Ch251

**DUT: 370202**

Communication System: GSM Voice; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.651 W/kg

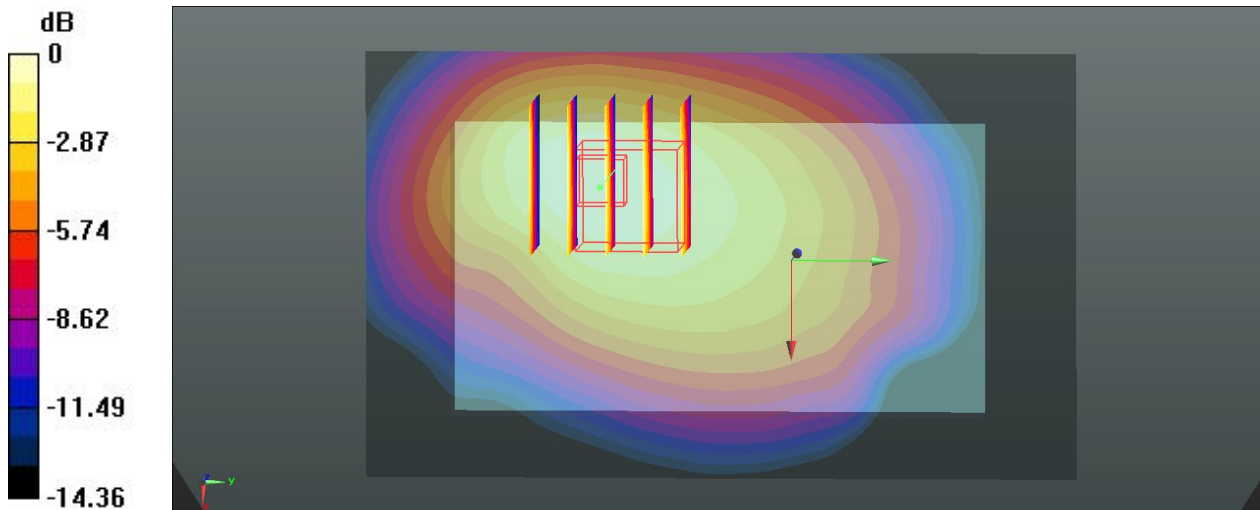
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.972 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.791 W/kg

**SAR(1 g) = 0.515 W/kg; SAR(10 g) = 0.346 W/kg**

Maximum value of SAR (measured) = 0.649 W/kg



0 dB = 0.649 W/kg

### 33 GSM850\_GSM Voice\_Back\_1.0cm\_Ch251

**DUT: 370202**

Communication System: GSM Voice; Frequency: 848.8 MHz; Duty Cycle: 1:8.3  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.989$  S/m;  $\epsilon_r = 54.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.598 W/kg

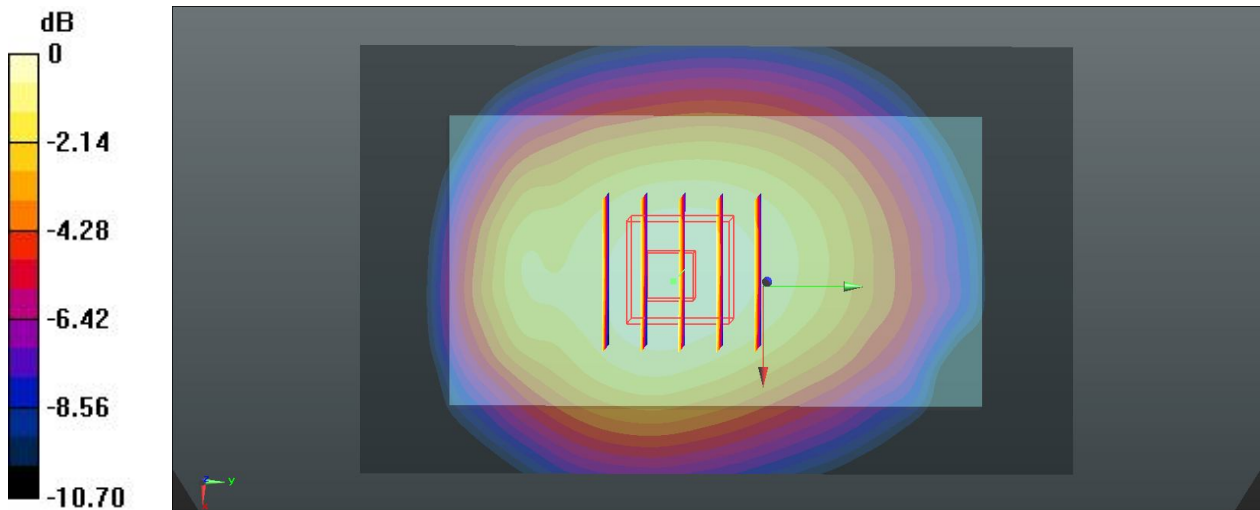
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.698 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.680 W/kg

**SAR(1 g) = 0.513 W/kg; SAR(10 g) = 0.374 W/kg**

Maximum value of SAR (measured) = 0.597 W/kg



0 dB = 0.597 W/kg

### 13 GSM1900\_GPRS(4Tx slots)\_Front\_1.0cm\_Ch512

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1850.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.990 W/kg

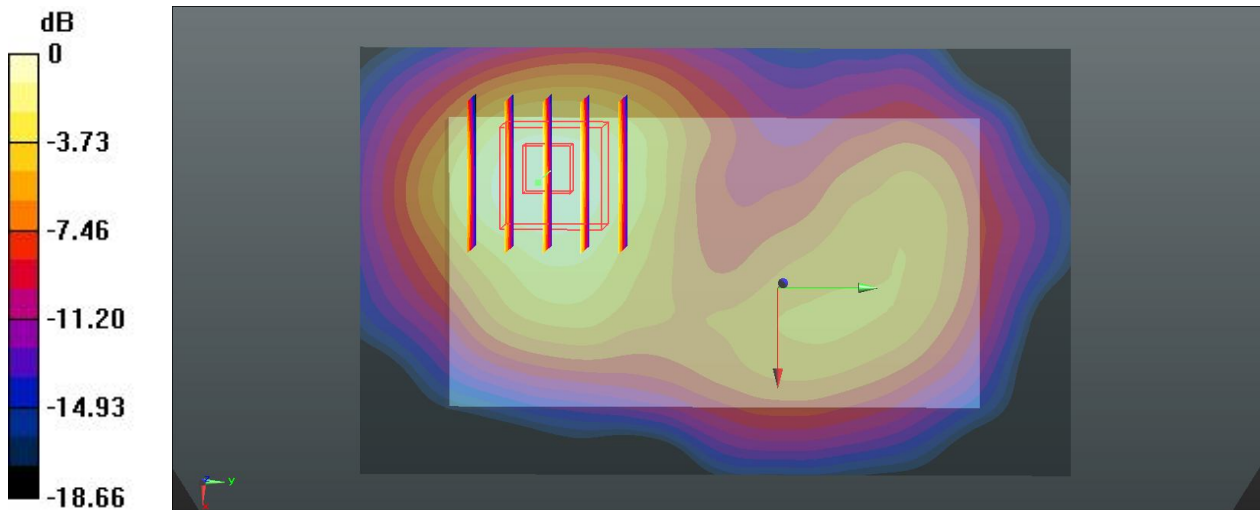
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.127 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.28 W/kg

**SAR(1 g) = 0.733 W/kg; SAR(10 g) = 0.416 W/kg**

Maximum value of SAR (measured) = 0.976 W/kg



0 dB = 0.976 W/kg

### 14 GSM1900\_GPRS(4Tx slots)\_Back\_1.0cm\_Ch512

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1850.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

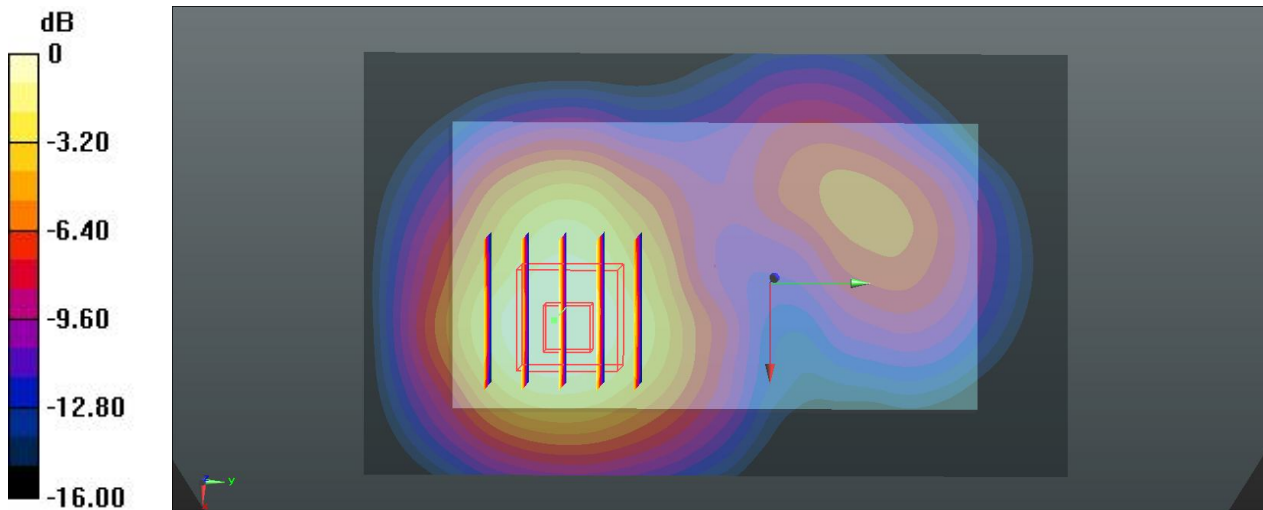
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.284 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.72 W/kg

**SAR(1 g) = 1.030 W/kg; SAR(10 g) = 0.612 W/kg**

Maximum value of SAR (measured) = 1.34 W/kg



0 dB = 1.34 W/kg



### 15 GSM1900\_GPRS(4Tx slots)\_Left side\_1.0cm\_Ch512

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1850.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch512/Area Scan (31x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.314 W/kg

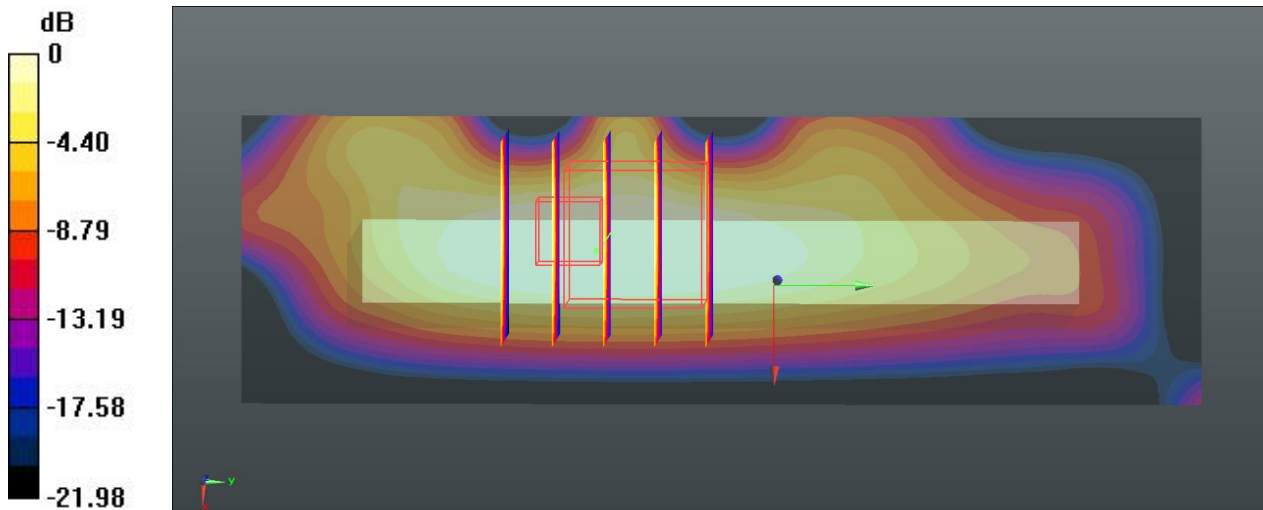
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.432 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.272 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.074 W/kg**

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



0 dB = 0.221 W/kg



### 16 GSM1900\_GPRS(4Tx slots)\_Right side\_1.0cm\_Ch512

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1850.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch512/Area Scan (31x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.283 W/kg

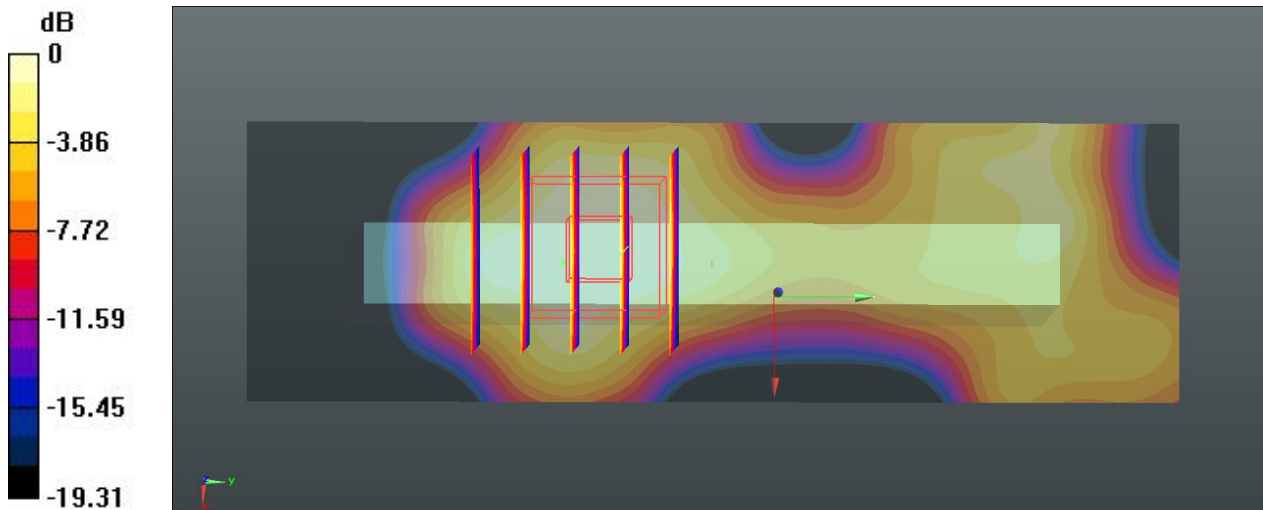
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.936 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.286 W/kg

**SAR(1 g) = 0.165 W/kg; SAR(10 g) = 0.087 W/kg**

Maximum value of SAR (measured) = 0.226 W/kg



0 dB = 0.226 W/kg

### 17 GSM1900\_GPRS(4Tx slots)\_Bottom side\_1.0cm\_Ch512

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1850.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch512/Area Scan (31x61x1):** Interpolated grid: dx=15mm, dy=15mm

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

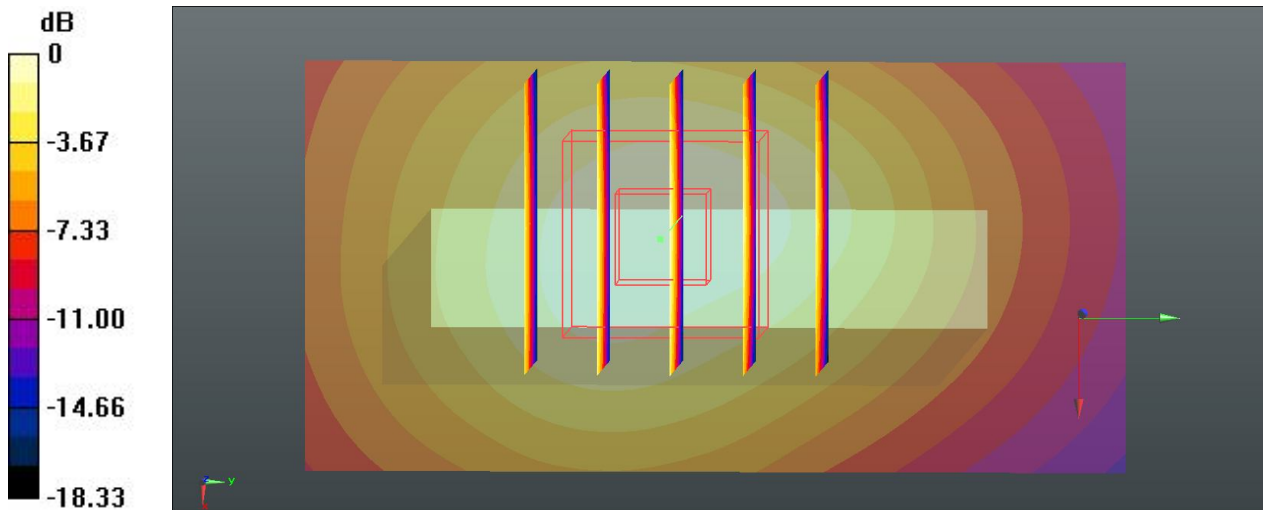
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.530 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.532 W/kg

**SAR(1 g) = 0.328 W/kg; SAR(10 g) = 0.193 W/kg**

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



0 dB = 0.436 W/kg

### 18 GSM1900\_GPRS(4Tx slots)\_Front\_1.0cm\_Ch661

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1880 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.955 W/kg

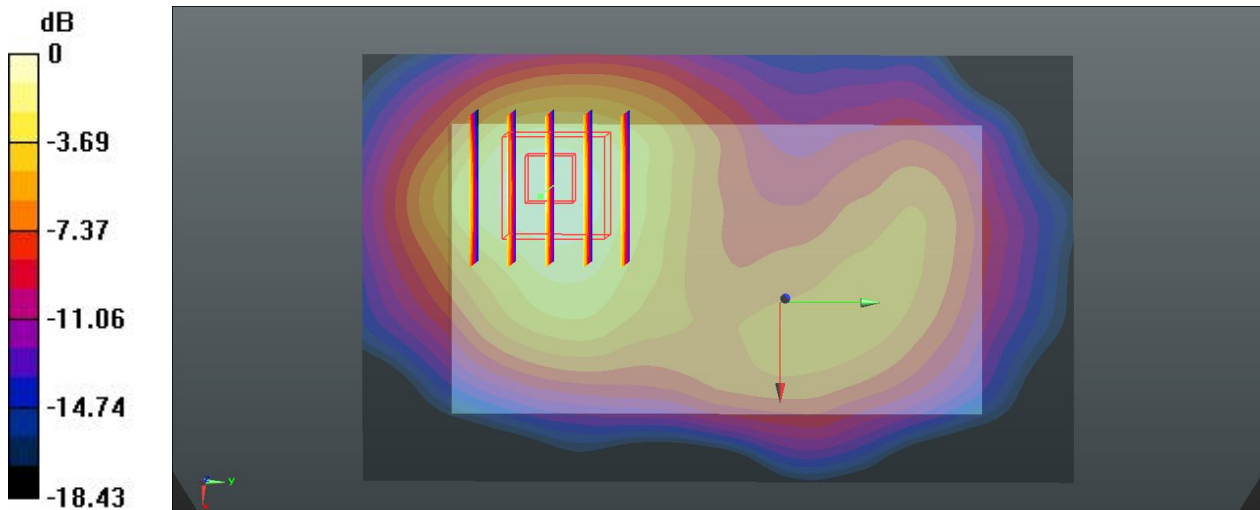
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.399 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.27 W/kg

**SAR(1 g) = 0.722 W/kg; SAR(10 g) = 0.409 W/kg**

Maximum value of SAR (measured) = 0.995 W/kg



0 dB = 0.995 W/kg

### 19 GSM1900\_GPRS(4Tx slots)\_Front\_1.0cm\_Ch810

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 53.552$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

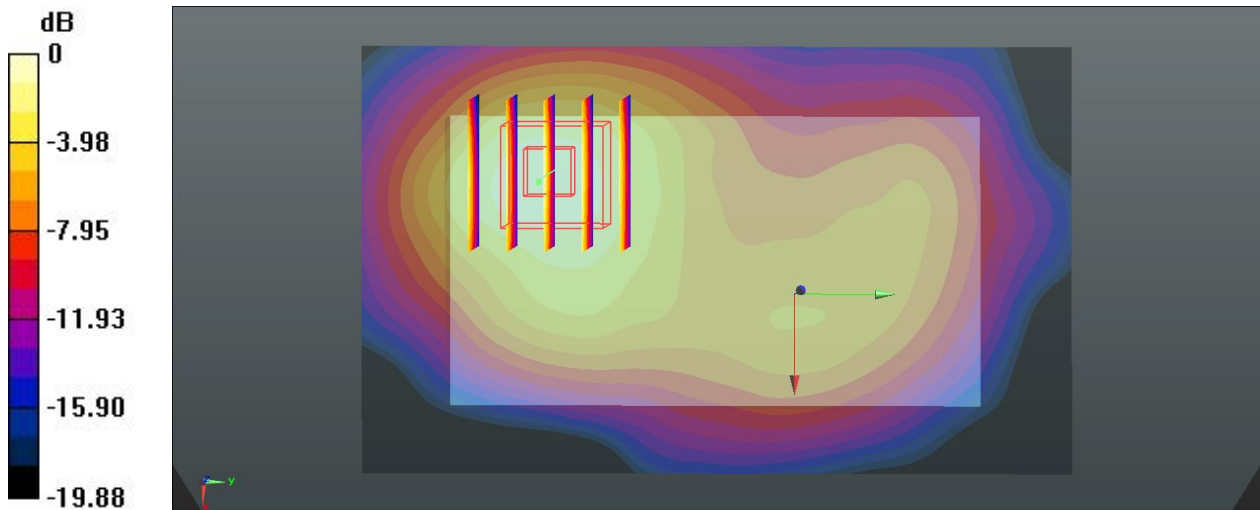
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.362 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.41 W/kg

**SAR(1 g) = 0.814 W/kg; SAR(10 g) = 0.456 W/kg**

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



0 dB = 1.13 W/kg

### 20 GSM1900\_GPRS(4Tx slots)\_Back\_1.0cm\_Ch661

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1880 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.41 W/kg

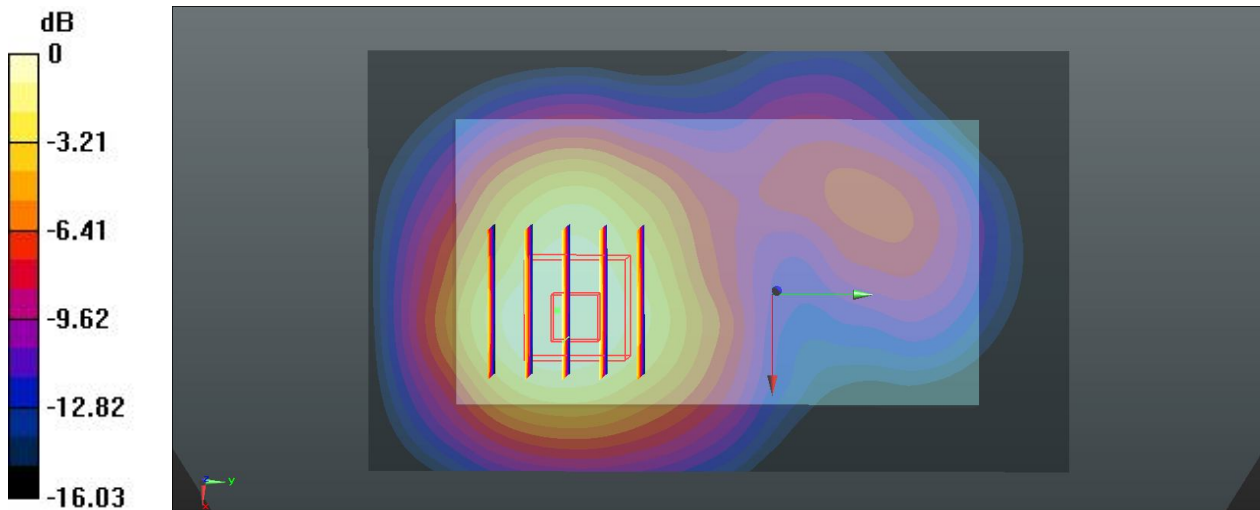
**Ch661/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.323 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.62 W/kg

**SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.588 W/kg**

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

### 21 GSM1900\_GPRS(4Tx slots)\_Back\_1.0cm\_Ch810

**DUT: 370202**

Communication System: GPRS/EDGE (4 Tx slot); Frequency: 1909.8 MHz; Duty Cycle: 1:2  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.529$  S/m;  $\epsilon_r = 53.552$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.34 W/kg

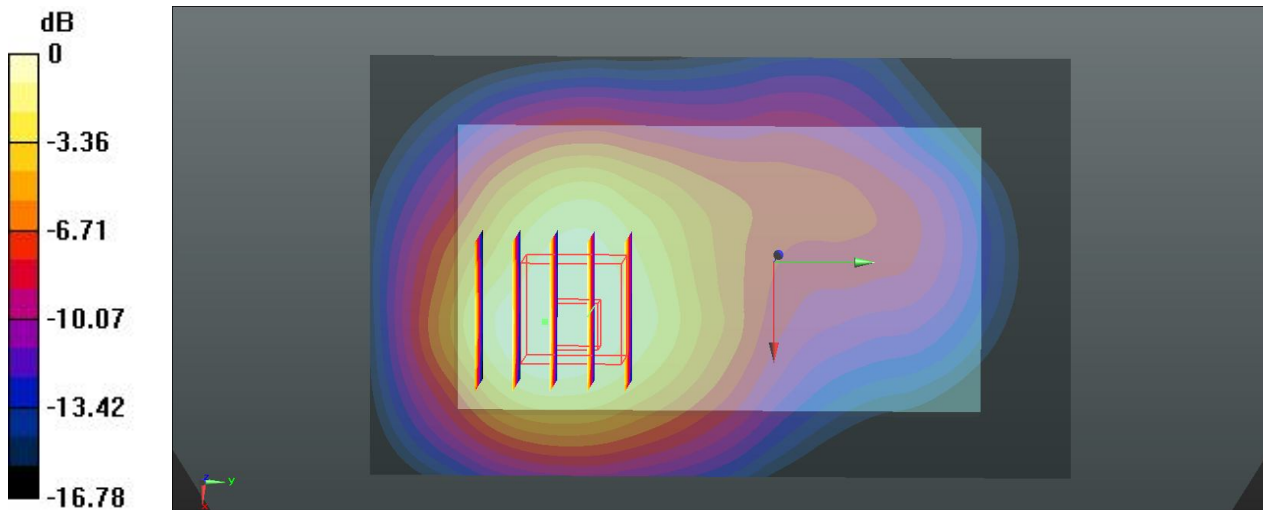
**Ch810/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.258 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.901 W/kg; SAR(10 g) = 0.546 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg



0 dB = 1.19 W/kg

## 22 GSM1900\_GSM Voice\_Front\_1.0cm\_Ch512

**DUT: 370202**

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

Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.662 W/kg

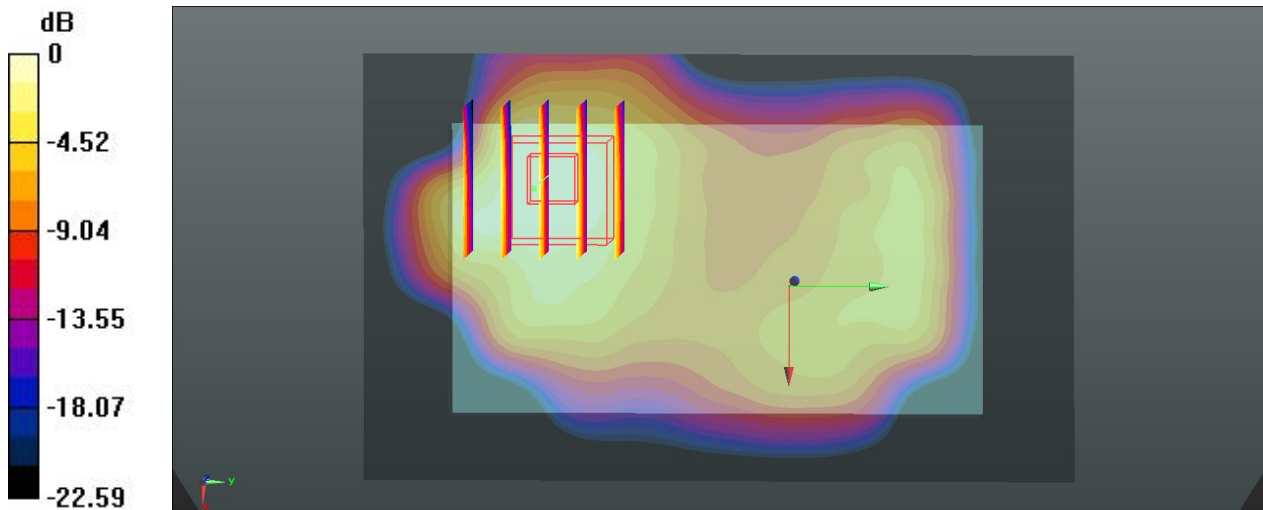
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.562 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.730 W/kg

**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.221 W/kg**

Maximum value of SAR (measured) = 0.579 W/kg



0 dB = 0.579 W/kg



### 23 GSM1900\_GSM Voice\_Back\_1.0cm\_Ch512

**DUT: 370202**

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

Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 53.59$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

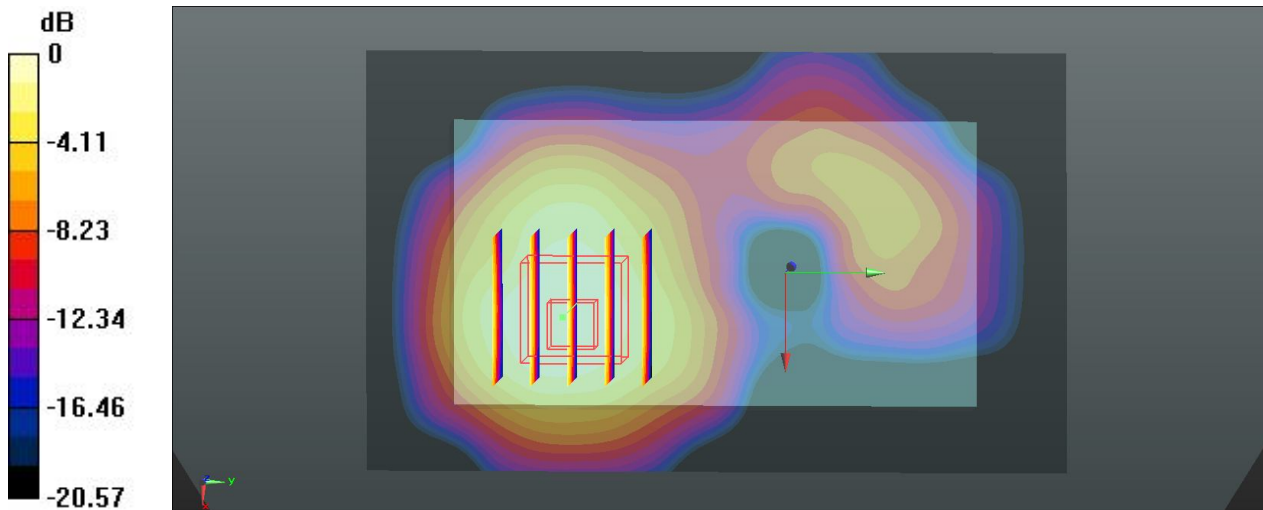
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.001 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.919 W/kg

**SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.310 W/kg**

Maximum value of SAR (measured) = 0.723 W/kg



0 dB = 0.723 W/kg



### 34 WCDMA Band V\_RMC 12.2K\_Front\_1.0cm\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.968$  S/m;  $\epsilon_r = 54.451$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 0.715 W/kg

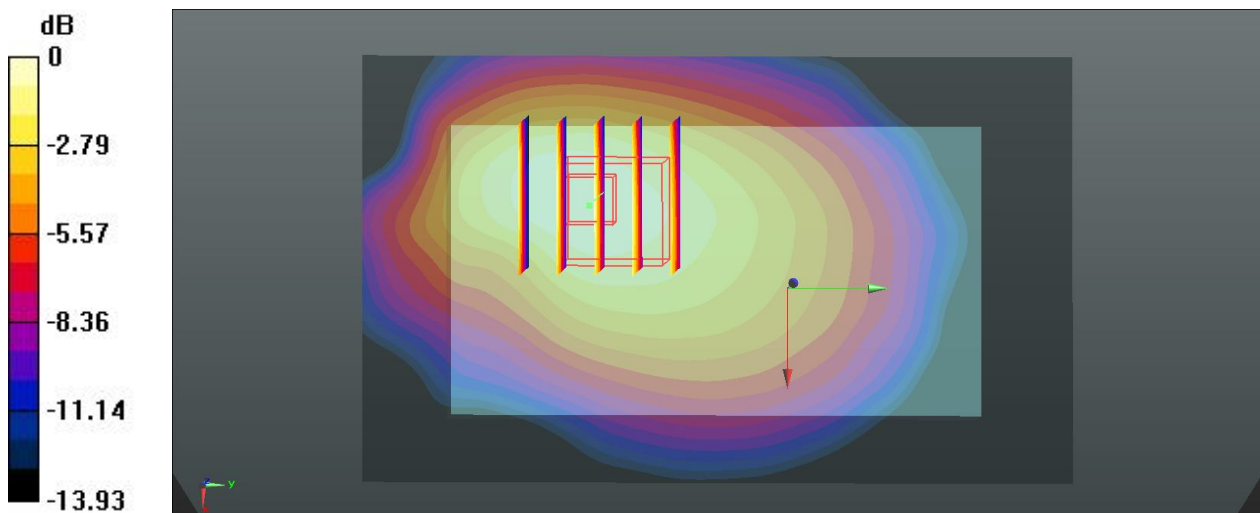
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.442 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.856 W/kg

**SAR(1 g) = 0.548 W/kg; SAR(10 g) = 0.364 W/kg**

Maximum value of SAR (measured) = 0.691 W/kg



0 dB = 0.691 W/kg

### 35 WCDMA Band V\_RMC 12.2K\_Back\_1.0cm\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ S/m}$ ;  $\epsilon_r = 54.451$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch4132/Area Scan (61x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.700 \text{ W/kg}$

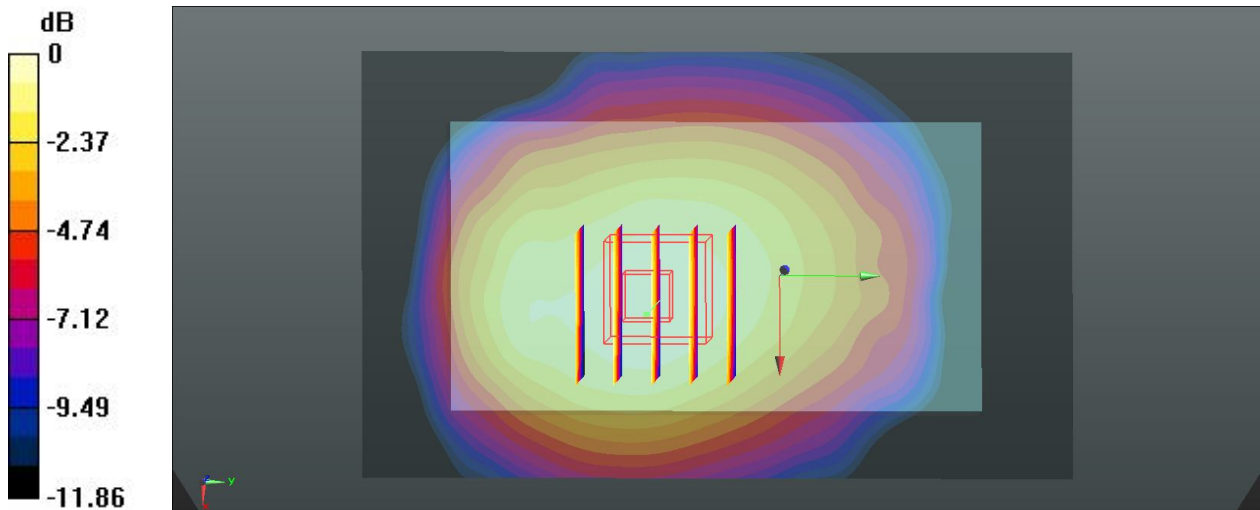
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $23.391 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.794 \text{ W/kg}$

**SAR(1 g) =  $0.586 \text{ W/kg}$ ; SAR(10 g) =  $0.421 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.694 \text{ W/kg}$



0 dB =  $0.694 \text{ W/kg}$

### 36 WCDMA Band V\_RMC 12.2K\_Left side\_1.0cm\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ S/m}$ ;  $\epsilon_r = 54.451$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch4132/Area Scan (31x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

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

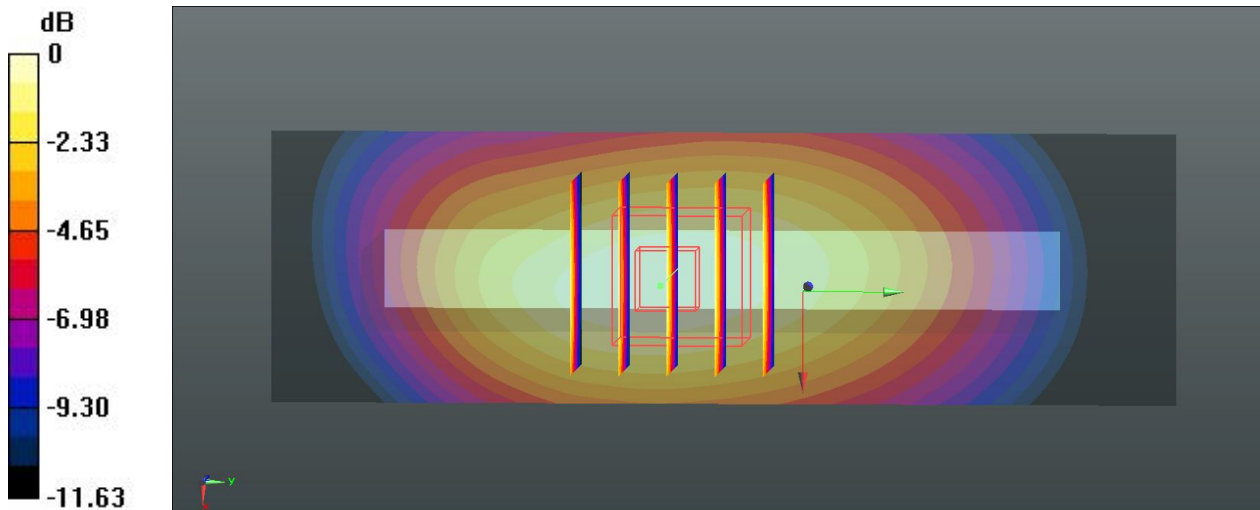
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 21.089 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.623 W/kg

**SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.531 W/kg



0 dB = 0.531 W/kg

### 37 WCDMA Band V\_RMC 12.2K\_Right side\_1.0cm\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ S/m}$ ;  $\epsilon_r = 54.451$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch4132/Area Scan (31x101x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.328 \text{ W/kg}$

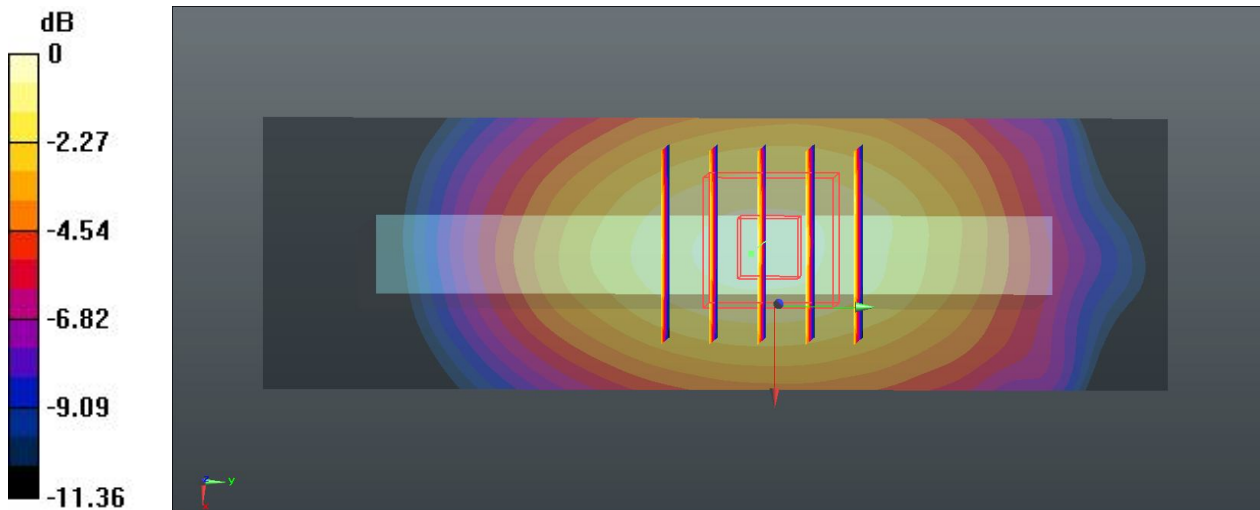
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $16.930 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.425 \text{ W/kg}$

**SAR(1 g) =  $0.286 \text{ W/kg}$ ; SAR(10 g) =  $0.192 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.365 \text{ W/kg}$



0 dB =  $0.365 \text{ W/kg}$

### 38 WCDMA Band V\_RMC 12.2K\_Bottom side\_1.0cm\_Ch4132

**DUT: 370202**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_835\_130712 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.968 \text{ S/m}$ ;  $\epsilon_r = 54.451$ ;  
 $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature : 23.5 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(9.93, 9.93, 9.93); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 2; Type: QD 000 P40 C; Serial: TP-1754
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch4132/Area Scan (31x61x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 0.0561 W/kg

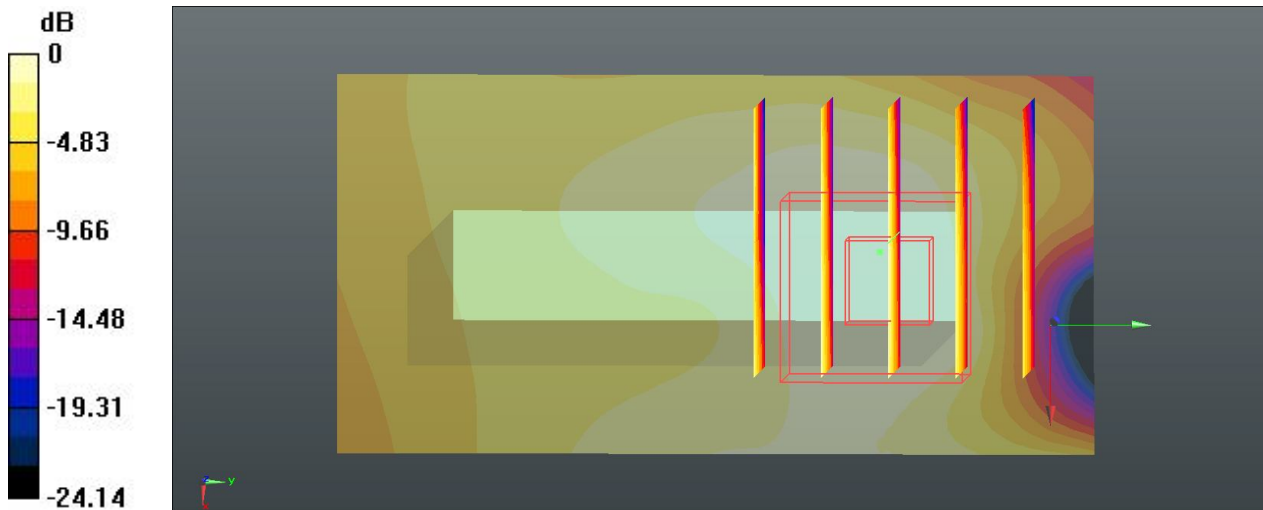
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 5.469 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0730 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.0507 W/kg



0 dB = 0.0507 W/kg

**01 WCDMA Band II\_RMC 12.2K\_Front\_1.0cm\_Ch9400**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

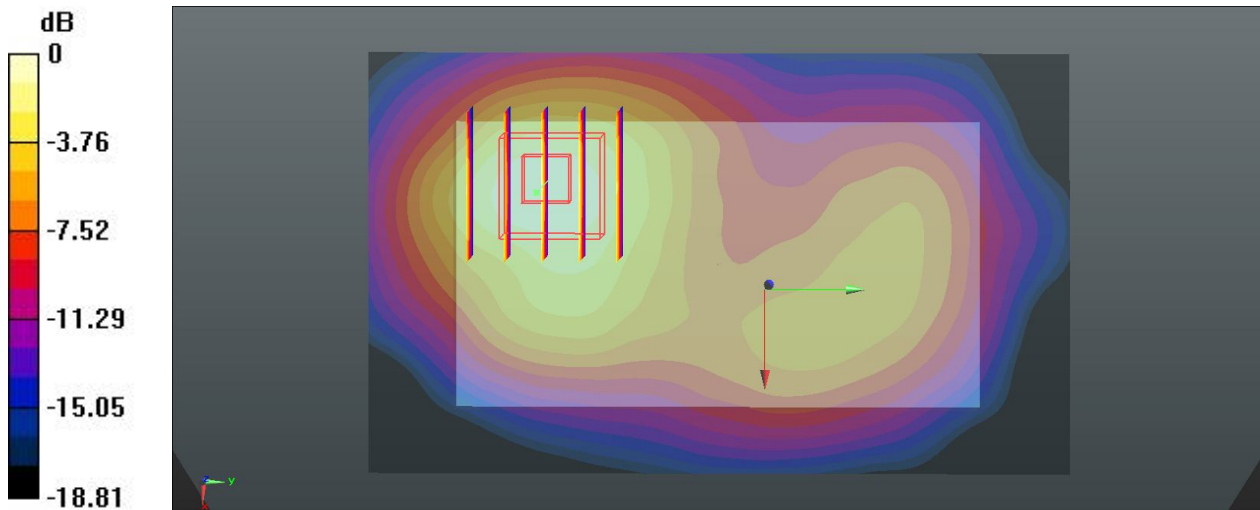
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.936 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.69 W/kg

**SAR(1 g) = 0.974 W/kg; SAR(10 g) = 0.546 W/kg**

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



0 dB = 1.35 W/kg

## 02 WCDMA Band II\_RMC 12.2K\_Back\_1.0cm\_Ch9400

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.55 W/kg

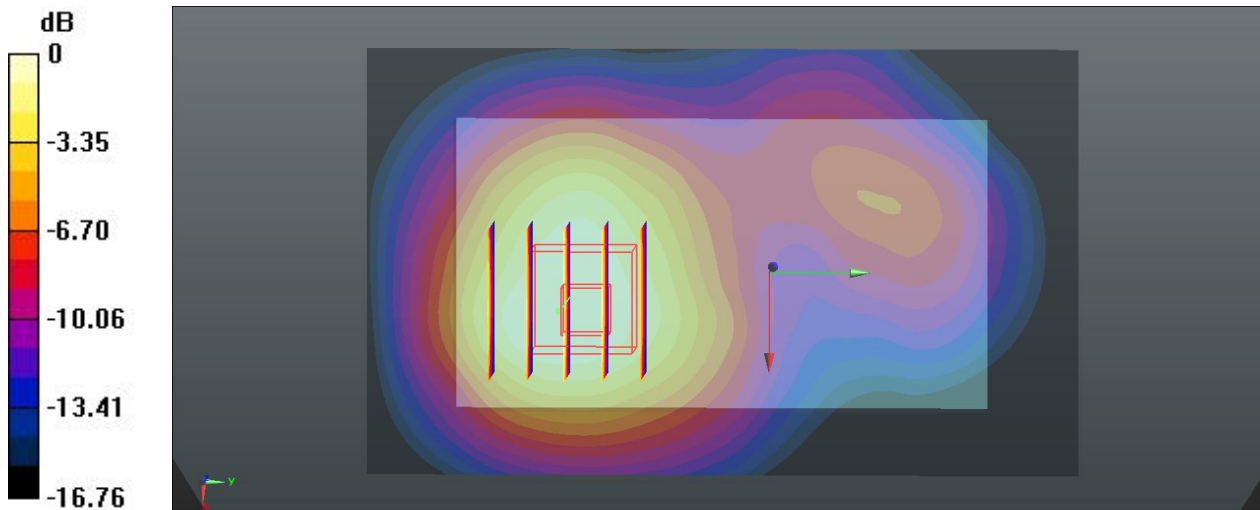
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.661 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 1.060 W/kg; SAR(10 g) = 0.636 W/kg**

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



0 dB = 1.37 W/kg



### 03 WCDMA Band II\_RMC 12.2K\_Left side\_1.0cm\_Ch9400

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch9400/Area Scan (31x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.372 W/kg

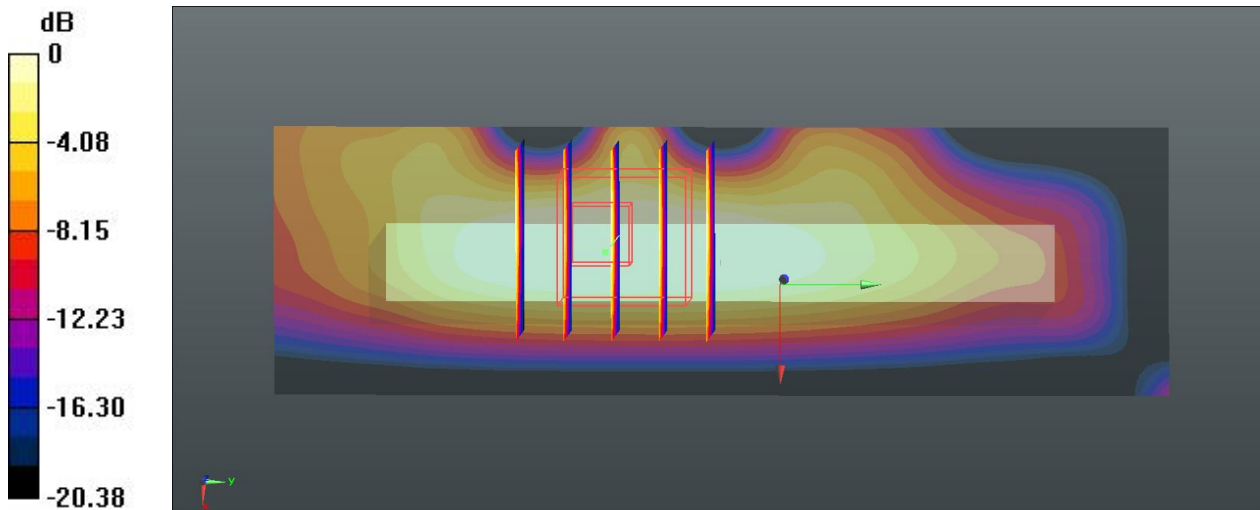
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.539 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.331 W/kg

**SAR(1 g) = 0.184 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.257 W/kg



0 dB = 0.257 W/kg



**04 WCDMA Band II\_RMC 12.2K\_Right side\_1.0cm\_Ch9400**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch9400/Area Scan (31x101x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.321 W/kg

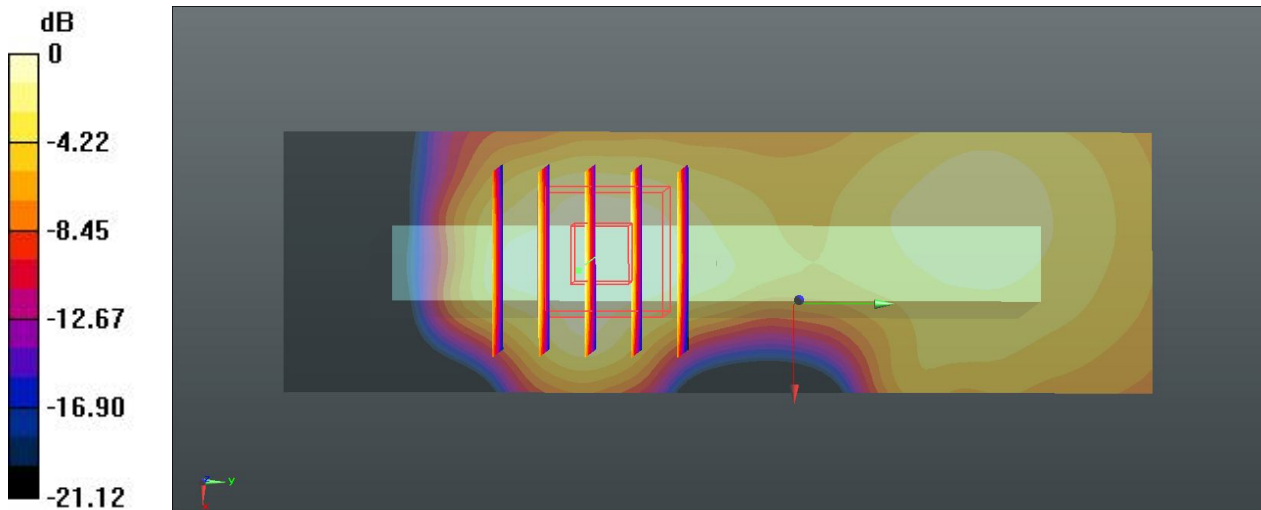
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.210 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.313 W/kg

**SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.095 W/kg**

Maximum value of SAR (measured) = 0.248 W/kg



0 dB = 0.248 W/kg

**05 WCDMA Band II\_RMC 12.2K\_Bottom side\_1.0cm\_Ch9400**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 53.575$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

**Ch9400/Area Scan (31x61x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.500 W/kg

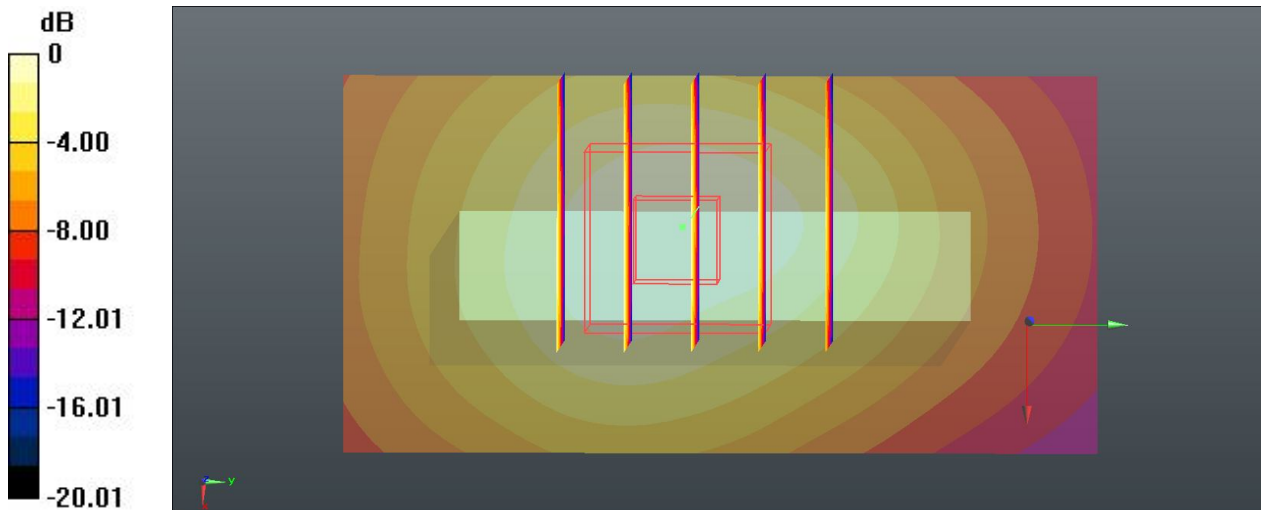
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.032 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.609 W/kg

**SAR(1 g) = 0.375 W/kg; SAR(10 g) = 0.219 W/kg**

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



0 dB = 0.491 W/kg

**06 WCDMA Band II\_RMC 12.2K\_Front\_1.0cm\_Ch9262**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.462$  S/m;  $\epsilon_r = 53.584$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

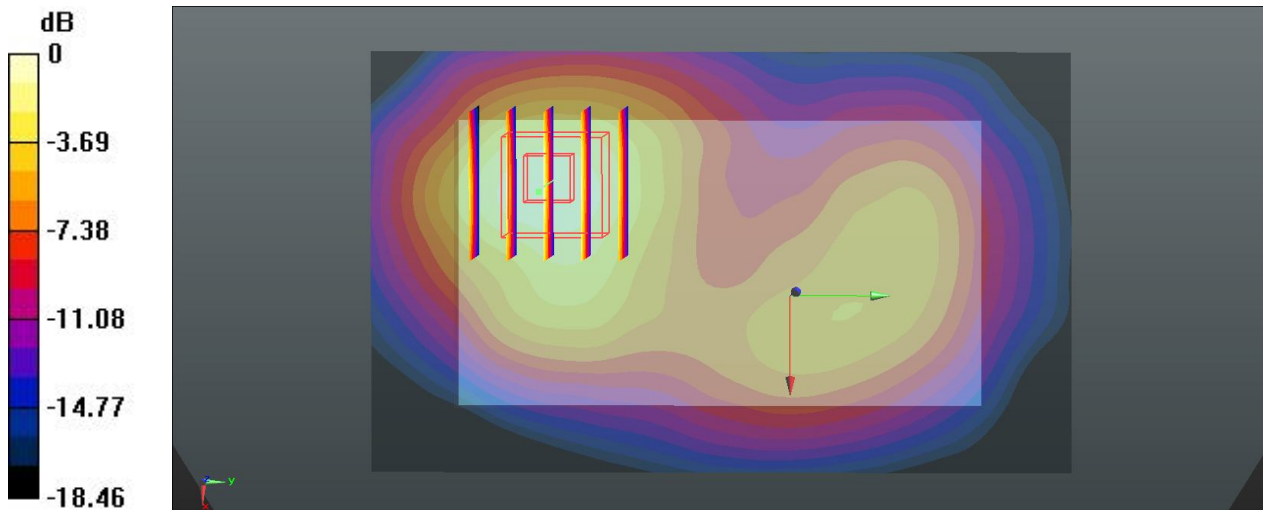
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.545 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.76 W/kg

**SAR(1 g) = 1.020 W/kg; SAR(10 g) = 0.567 W/kg**

Maximum value of SAR (measured) = 1.40 W/kg



0 dB = 1.40 W/kg

**07 WCDMA Band II\_RMC 12.2K\_Front\_1.0cm\_Ch9538**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 53.556$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.26 W/kg

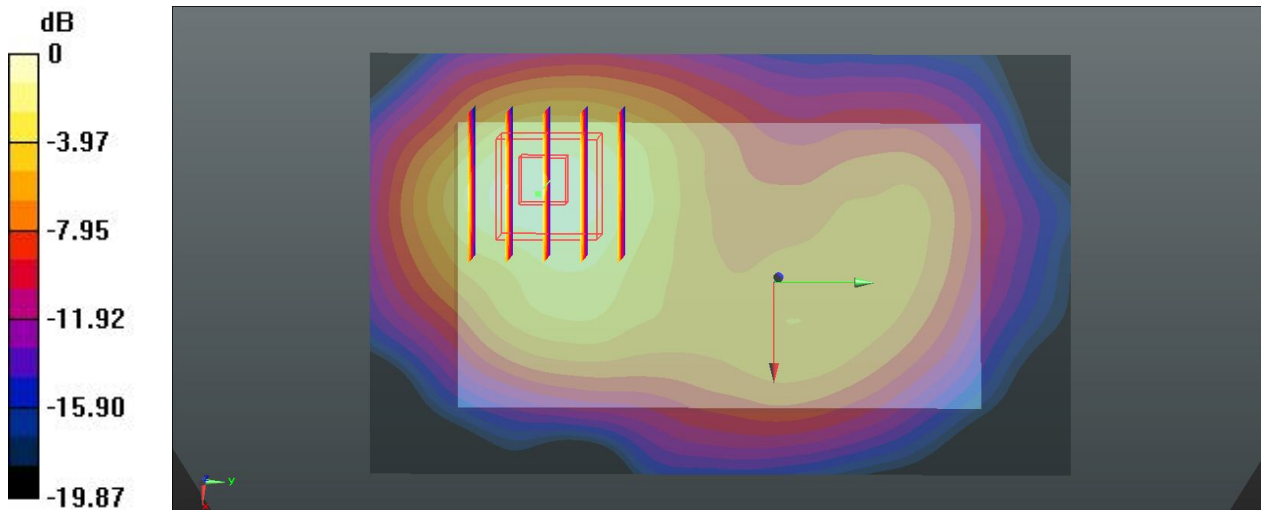
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.537 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.61 W/kg

**SAR(1 g) = 0.914 W/kg; SAR(10 g) = 0.506 W/kg**

Maximum value of SAR (measured) = 1.28 W/kg



0 dB = 1.28 W/kg

**08 WCDMA Band II\_RMC 12.2K\_Back\_1.0cm\_Ch9262**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.462$  S/m;  $\epsilon_r = 53.584$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

Maximum value of SAR (interpolated) = 1.73 W/kg

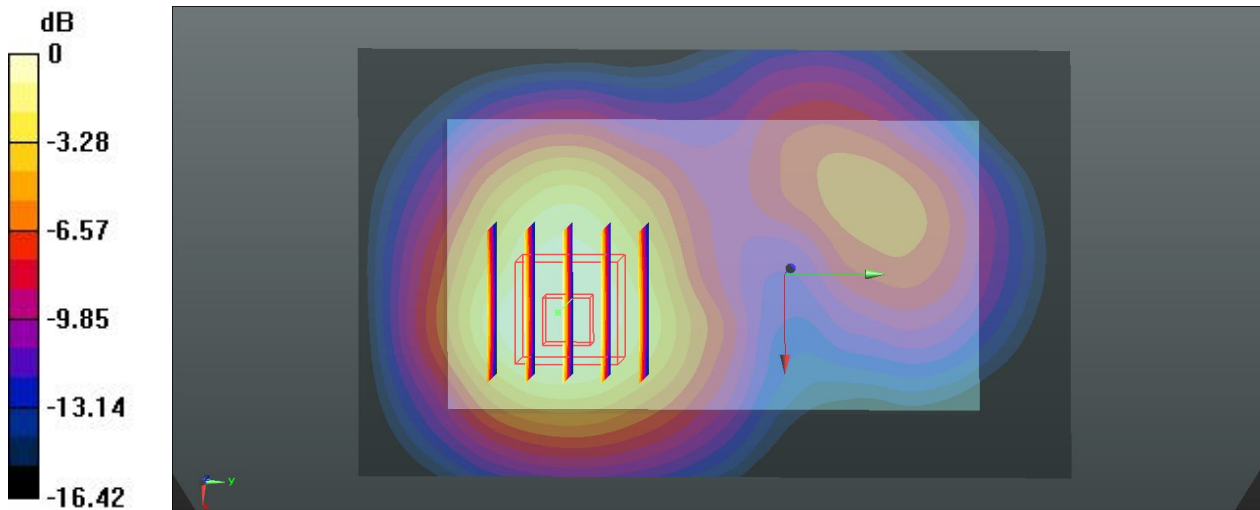
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.644 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.94 W/kg

**SAR(1 g) = 1.150 W/kg; SAR(10 g) = 0.680 W/kg**

Maximum value of SAR (measured) = 1.52 W/kg



0 dB = 1.52 W/kg

**09 WCDMA Band II\_RMC 12.2K\_Back\_1.0cm\_Ch9538**

**DUT: 370202**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: MSL\_1900\_130712 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 53.556$ ;  
 $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3911; ConvF(7.7, 7.7, 7.7); Calibrated: 11.04.2013;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1358; Calibrated: 08.04.2013
- Phantom: SAM 1; Type: QD 000 P40 C; Serial: TP-1753
- Measurement SW: DASY52, Version 52.8 (6); SEMCAD X Version 14.6.9 (7117)

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

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

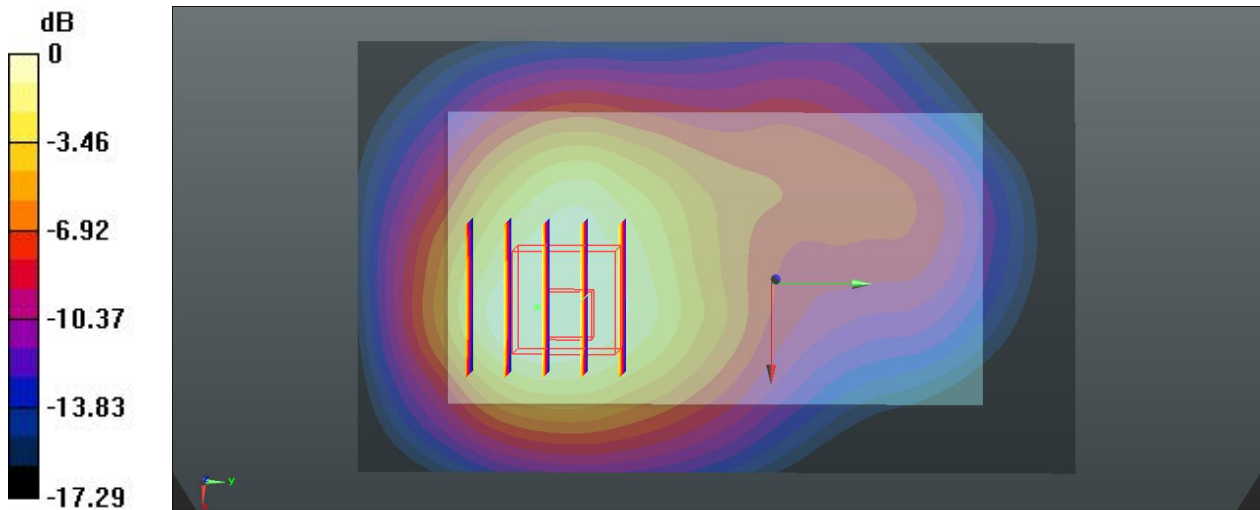
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.559 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.55 W/kg

**SAR(1 g) = 0.909 W/kg; SAR(10 g) = 0.545 W/kg**

Maximum value of SAR (measured) = 1.21 W/kg



0 dB = 1.21 W/kg

**73 WLAN2.4GHz\_802.11b\_Front\_1cm\_Ch11**

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.977$  mho/m;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (81x111x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0134 W/kg

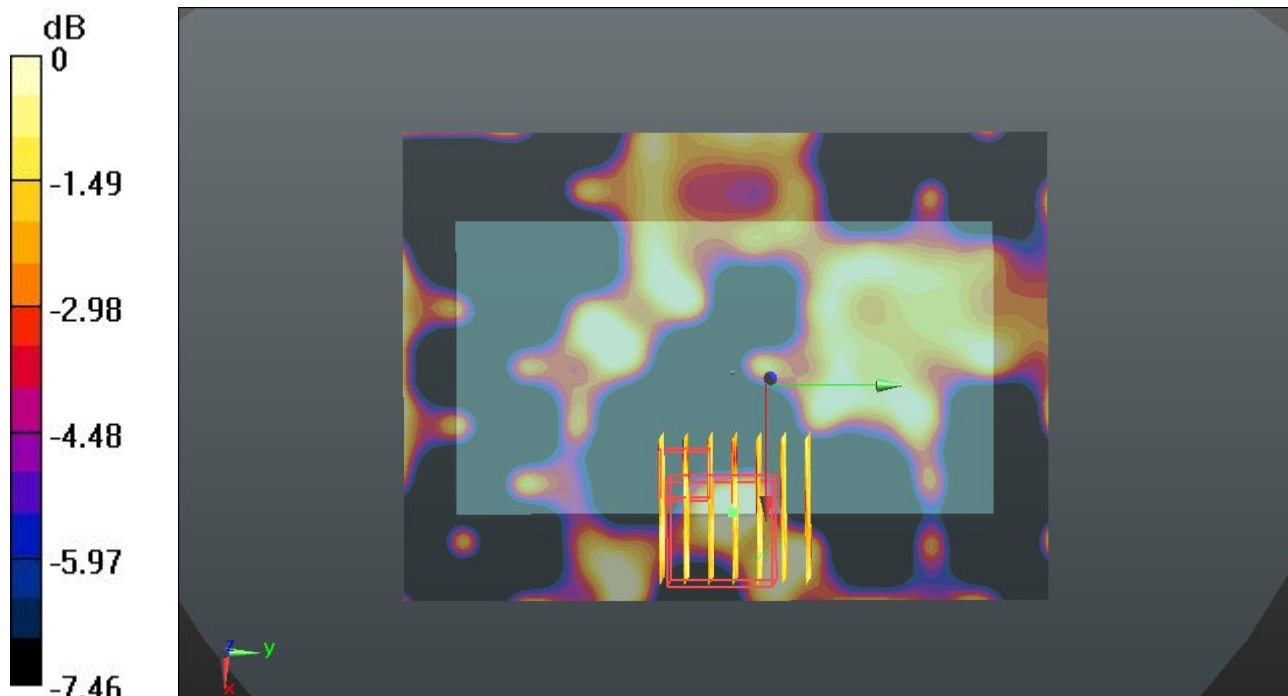
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.367 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.012 mW/g

**SAR(1 g) = 0.00632 mW/g; SAR(10 g) = 0.00542 mW/g**

Maximum value of SAR (measured) = 0.00709 W/kg



0 dB = 0.00709 W/kg



### 74 WLAN2.4GHz\_802.11b\_Back\_1cm\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.977$  mho/m;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x111x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0146 W/kg

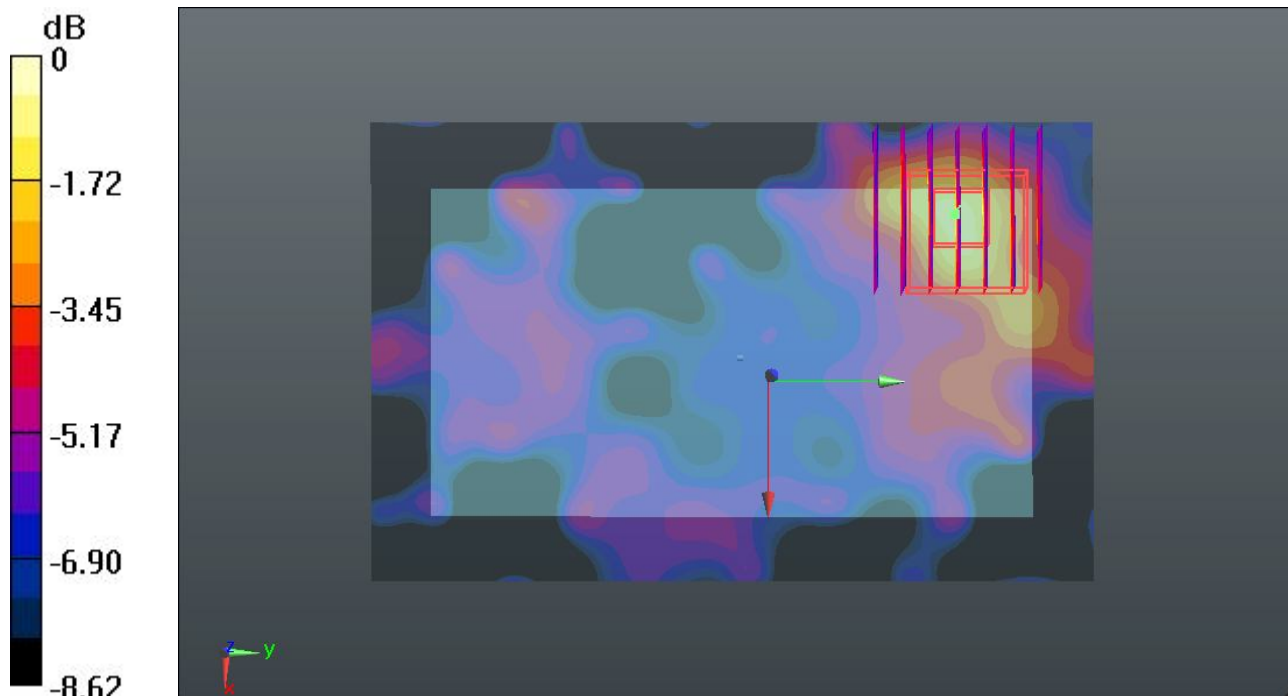
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.530 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.022 mW/g

**SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.00804 mW/g**

Maximum value of SAR (measured) = 0.0179 W/kg



0 dB = 0.0179 W/kg



**75 WLAN2.4GHz\_802.11b\_Left Side\_1cm\_Ch11**

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.977 \text{ mho/m}$ ;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (61x111x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.00977 \text{ W/kg}$

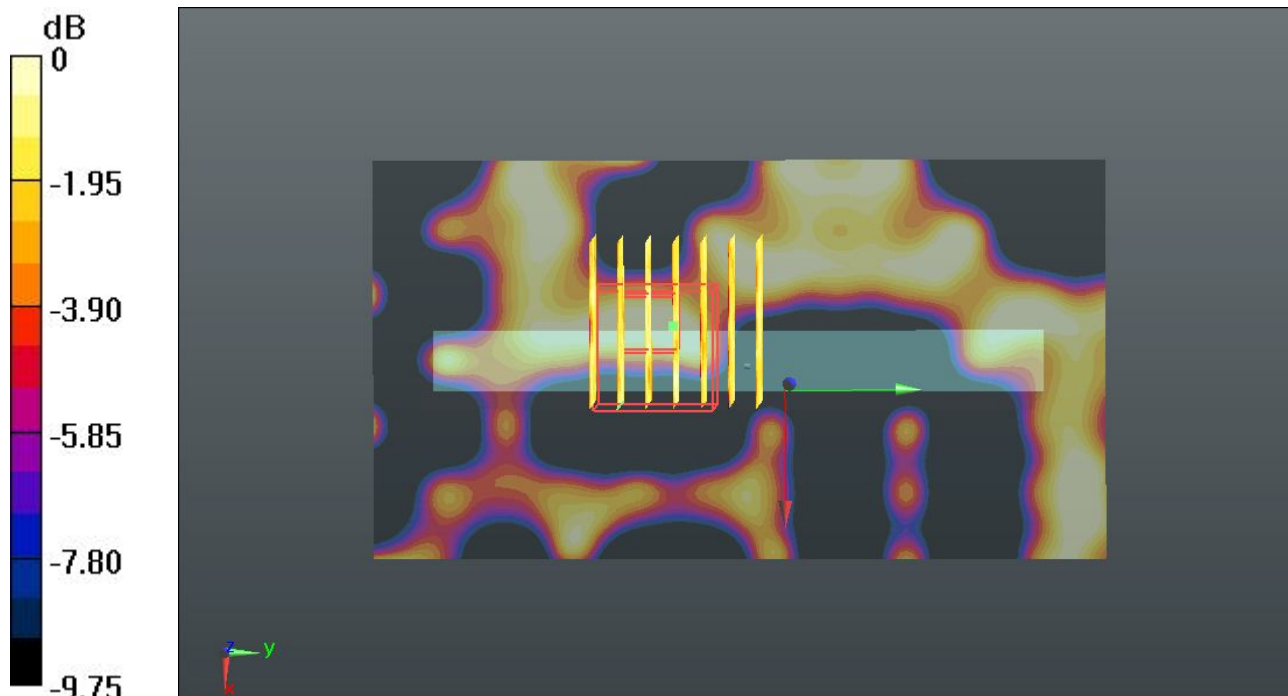
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $1.380 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.00979 \text{ mW/g}$

**SAR(1 g) =  $0.00588 \text{ mW/g}$ ; SAR(10 g) =  $0.00526 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.00706 \text{ W/kg}$



0 dB =  $0.00706 \text{ W/kg}$

**76 WLAN2.4GHz\_802.11b\_Right Side\_1cm\_Ch11**

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.977$  mho/m;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (61x111x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0104 W/kg

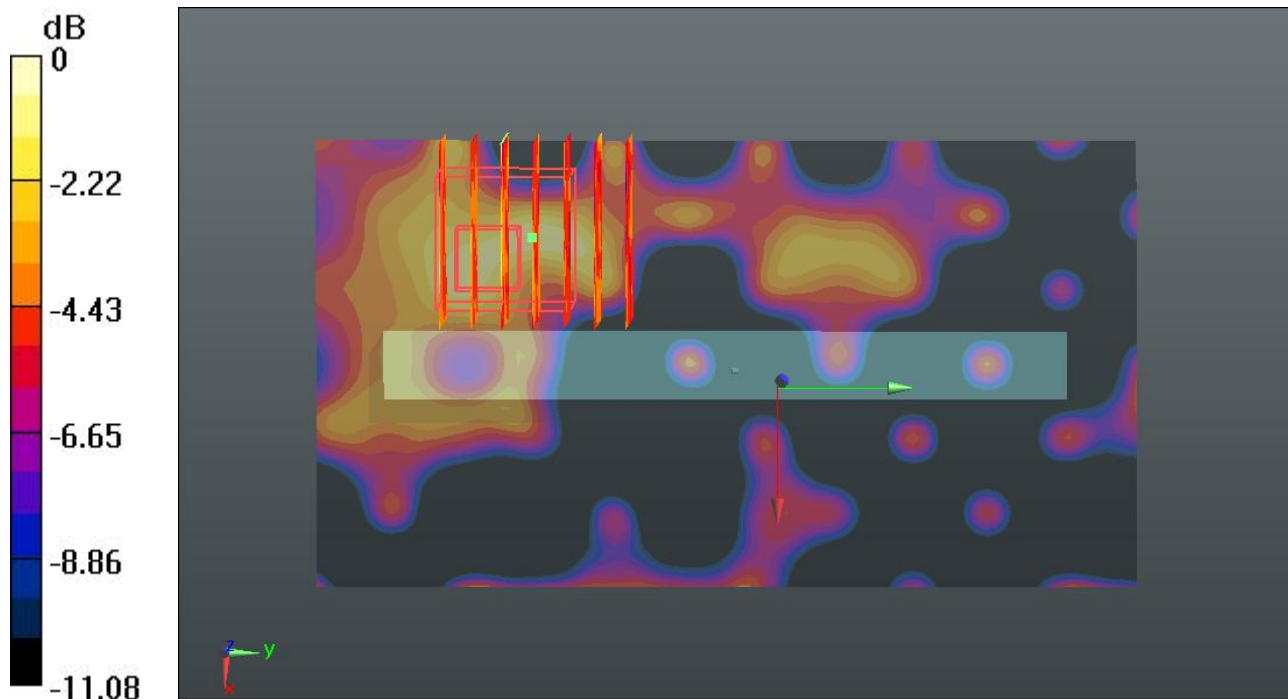
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.383 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.014 mW/g

**SAR(1 g) = 0.00676 mW/g; SAR(10 g) = 0.00487 mW/g**

Maximum value of SAR (measured) = 0.0129 W/kg



0 dB = 0.0129 W/kg

### 77 WLAN2.4GHz\_802.11b\_Top Side\_1cm\_Ch11

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.014

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.977$  mho/m;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (51x91x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0108 W/kg

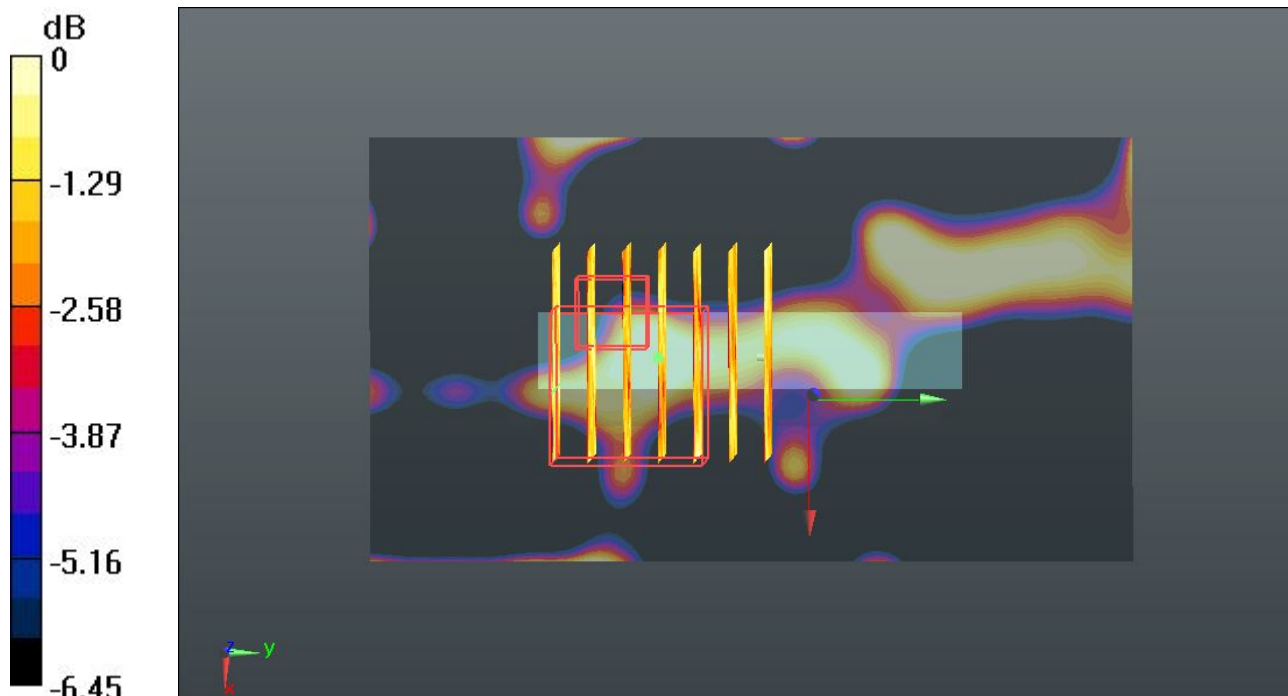
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.241 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.010 mW/g

**SAR(1 g) = 0.00586 mW/g; SAR(10 g) = 0.00475 mW/g**

Maximum value of SAR (measured) = 0.00675 W/kg



0 dB = 0.00675 W/kg

**78 WLAN2.4GHz\_802.11g\_Back\_1cm\_Ch11**

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.067

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.977 \text{ mho/m}$ ;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x111x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.0189 \text{ W/kg}$

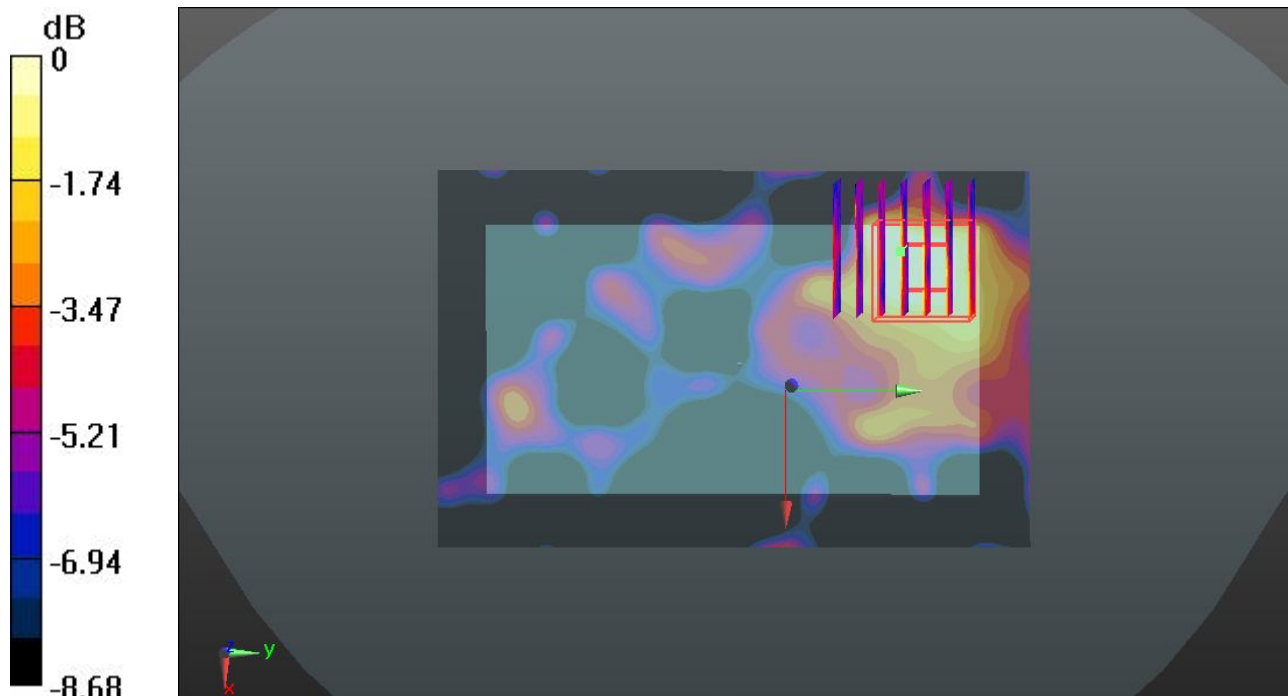
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $1.120 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.016 \text{ mW/g}$

**SAR(1 g) =  $0.00937 \text{ mW/g}$ ; SAR(10 g) =  $0.00604 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0132 \text{ W/kg}$



0 dB =  $0.0132 \text{ W/kg}$

**79 WLAN2.4GHz\_802.11n\_HT20\_Back\_1cm\_Ch11**

**DUT: 370202**

Communication System: WIFI; Frequency: 2462 MHz; Duty Cycle: 1:1.085

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.977$  mho/m;  $\epsilon_r =$

$53.795$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.5 °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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (71x111x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0109 W/kg

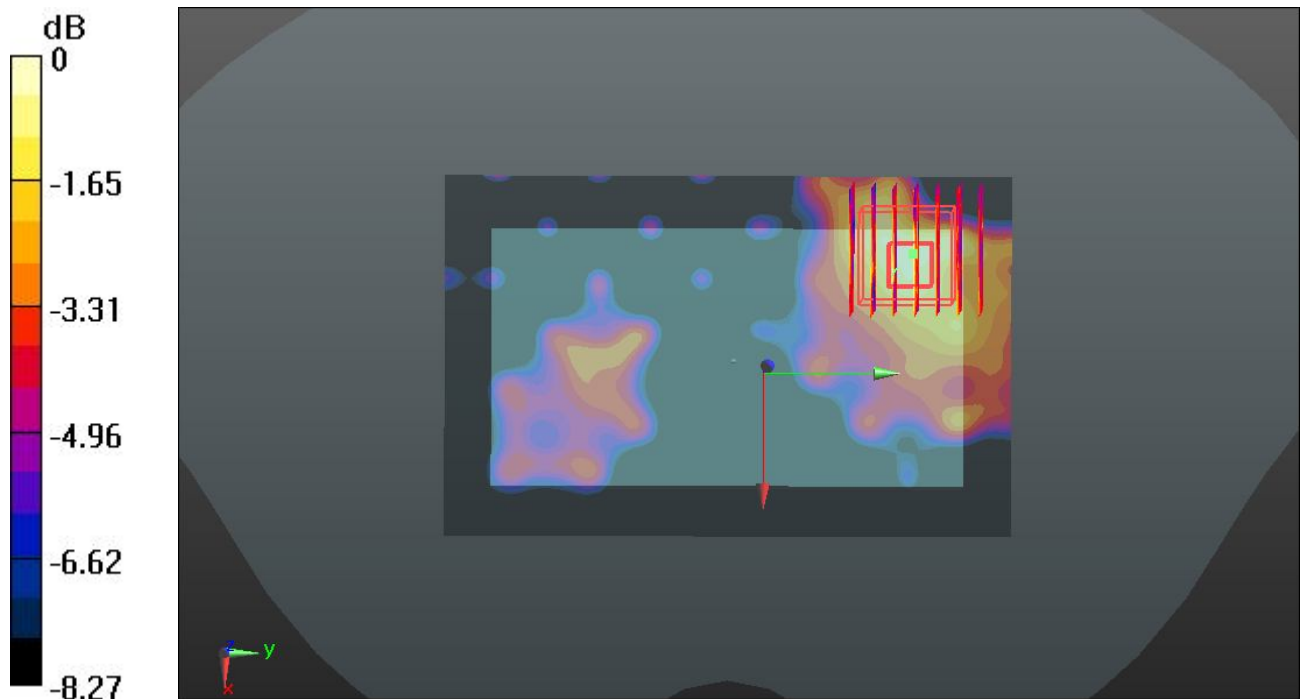
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.309 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.015 mW/g

**SAR(1 g) = 0.00867 mW/g; SAR(10 g) = 0.00589 mW/g**

Maximum value of SAR (measured) = 0.0116 W/kg



0 dB = 0.0116 W/kg

**80 WLAN2.4GHz\_802.11n\_HT40\_Back\_1cm\_Ch9**

**DUT: 370202**

Communication System: WIFI; Frequency: 2452 MHz; Duty Cycle: 1:1.168

Medium: MSL\_2450\_130717 Medium parameters used:  $f = 2452 \text{ MHz}$ ;  $\sigma = 1.958 \text{ mho/m}$ ;  $\epsilon_r =$

$53.842$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.5 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

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: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch9/Area Scan (71x111x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.0210 \text{ W/kg}$

**Ch9/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $1.147 \text{ V/m}$ ; Power Drift =  $-0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.027 \text{ mW/g}$

**SAR(1 g) =  $0.016 \text{ mW/g}$ ; SAR(10 g) =  $0.0091 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0216 \text{ W/kg}$

