



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

The plots are shown as follows.

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

**DUT: 372905**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL\_835\_130802 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.925$  mho/m;  $\epsilon_r = 42.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 W/kg

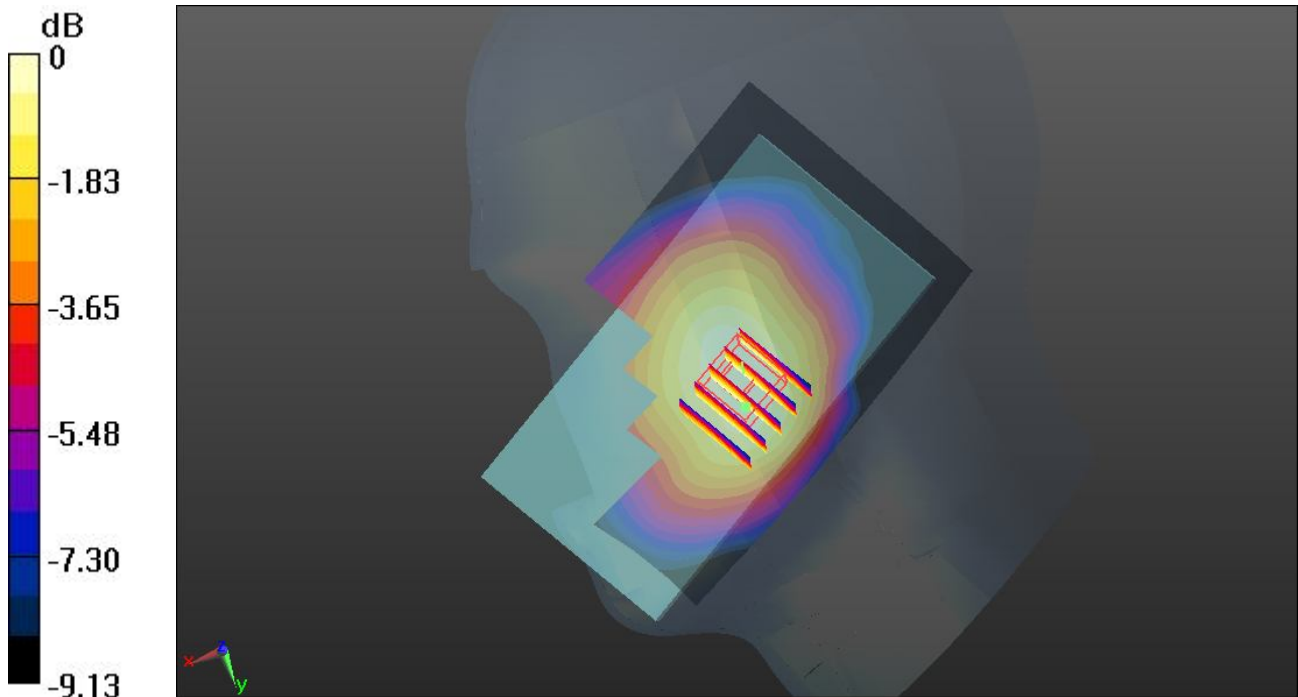
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.488 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.310 mW/g

**SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.198 mW/g**

Maximum value of SAR (measured) = 0.286 W/kg



0 dB = 0.286 W/kg

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

**DUT: 372905**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL\_835\_130802 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.925$  mho/m;  $\epsilon_r = 42.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.191 W/kg

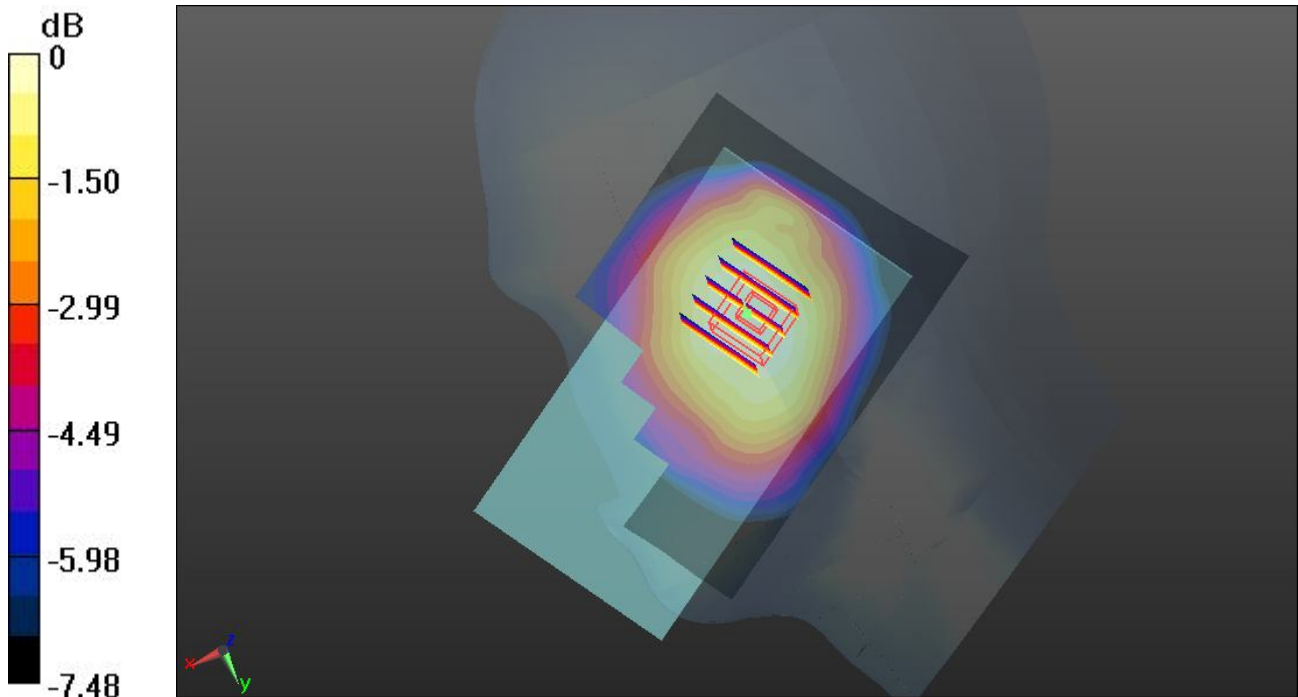
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.605 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.210 mW/g

**SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.132 mW/g**

Maximum value of SAR (measured) = 0.191 W/kg



0 dB = 0.191 W/kg

**#15 GSM850\_GSM Voice\_Left Cheek\_Ch251**

**DUT: 372905**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL\_835\_130802 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.925$  mho/m;  $\epsilon_r = 42.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.351 W/kg

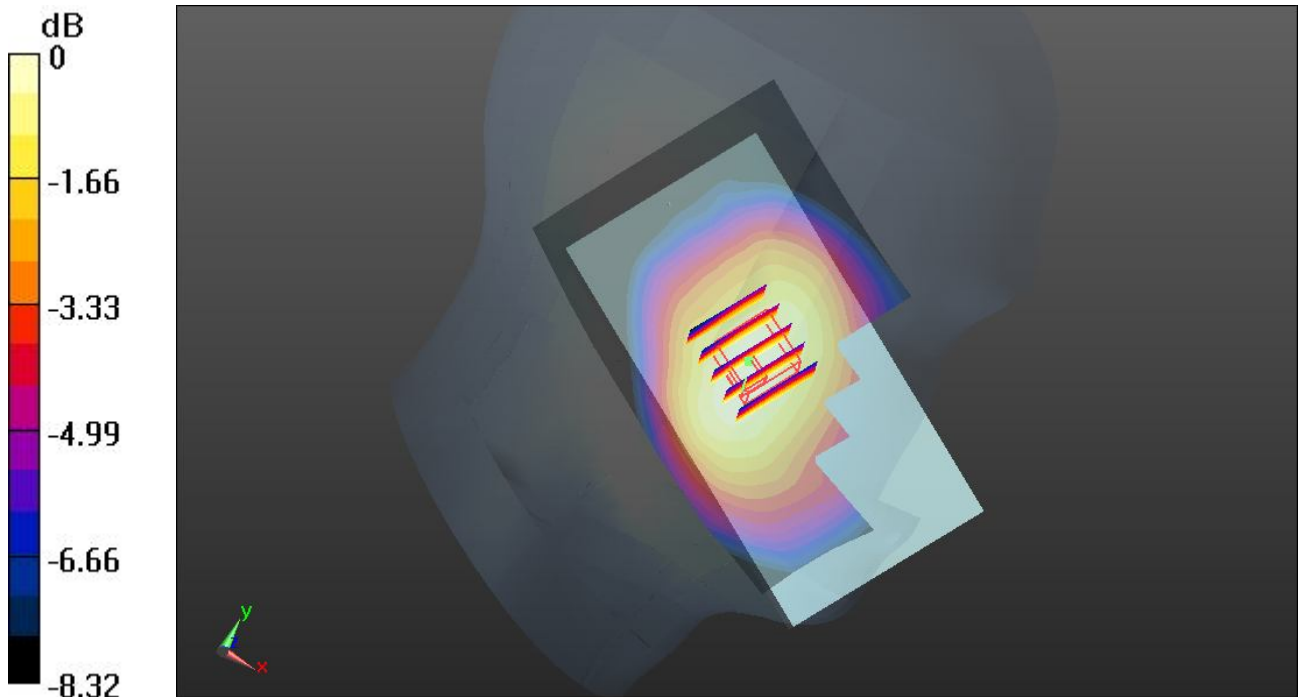
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.271 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.398 mW/g

**SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.245 mW/g**

Maximum value of SAR (measured) = 0.362 W/kg



0 dB = 0.362 W/kg

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

**DUT: 372905**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: HSL\_835\_130802 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.925$  mho/m;  $\epsilon_r = 42.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.222 W/kg

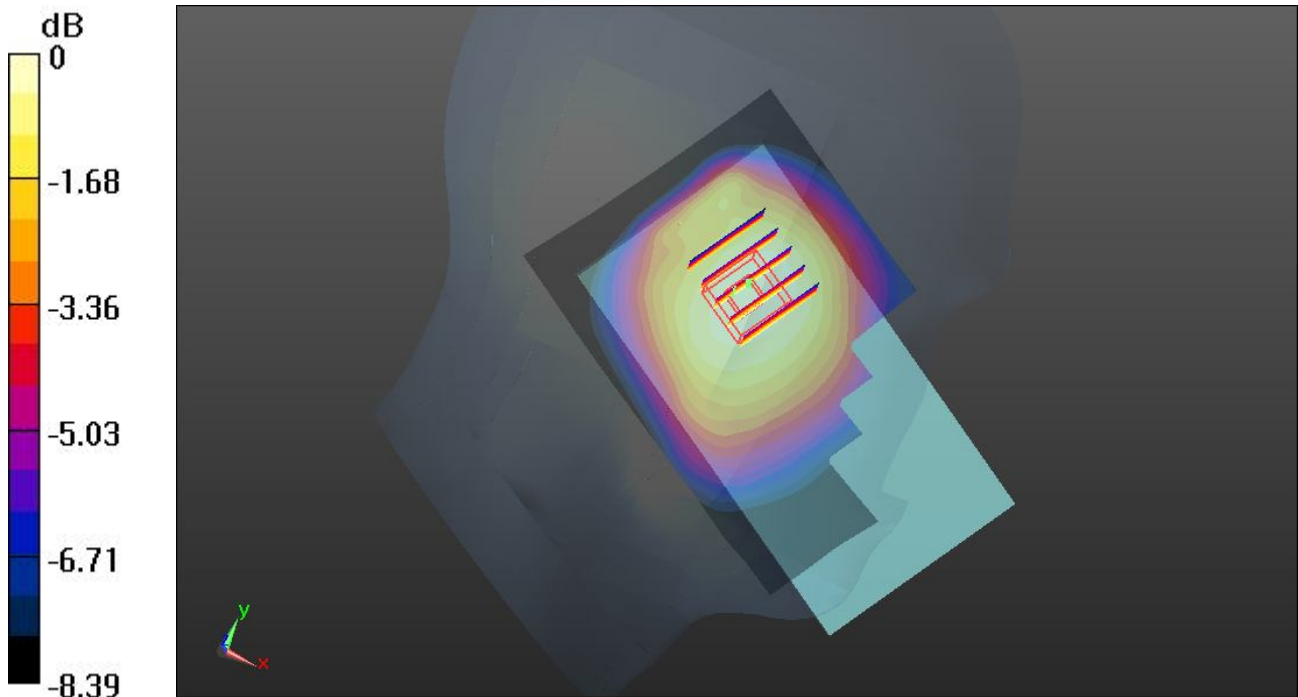
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.896 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.249 mW/g

**SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.157 mW/g**

Maximum value of SAR (measured) = 0.227 W/kg



0 dB = 0.227 W/kg

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

**DUT: 372905**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.365 \text{ mho/m}$ ;  $\epsilon_r =$

$41.266$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.159 \text{ W/kg}$

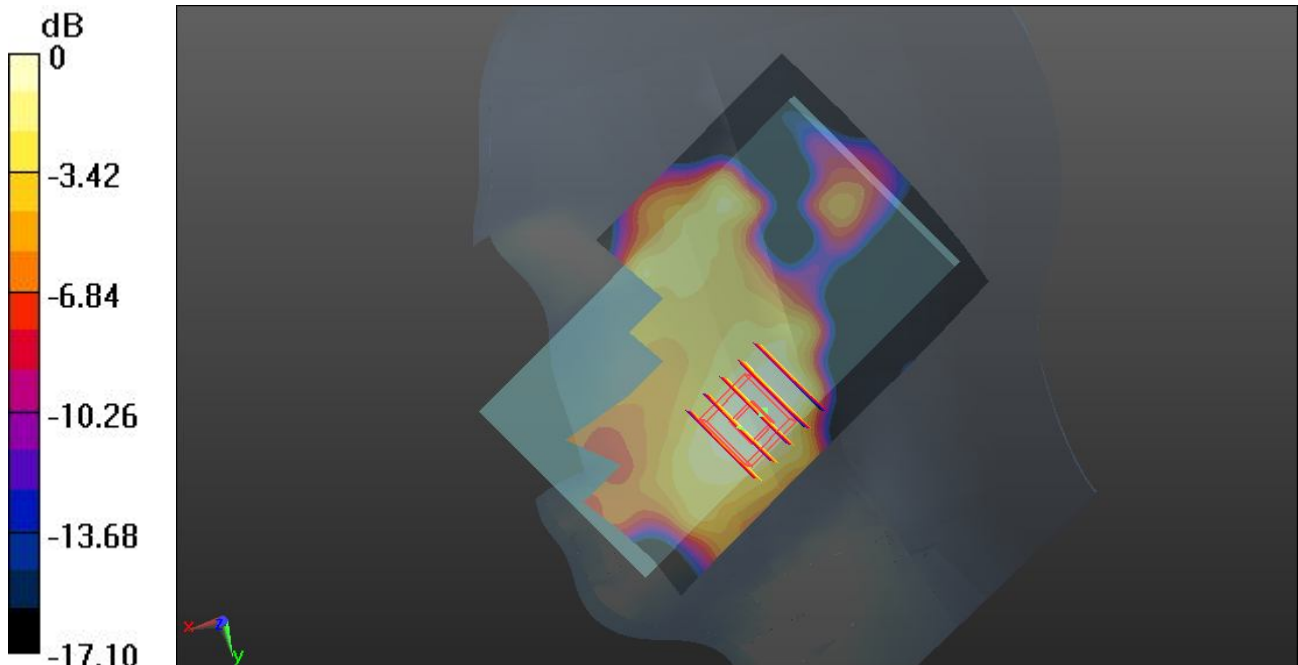
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.521 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$

Peak SAR (extrapolated) =  $0.181 \text{ mW/g}$

**SAR(1 g) =  $0.122 \text{ mW/g}$ ; SAR(10 g) =  $0.077 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.153 \text{ W/kg}$



0 dB =  $0.153 \text{ W/kg}$

**#72 GSM1900\_GSM Voice\_Right Tilted\_Ch512**

**DUT: 372905**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.365 \text{ mho/m}$ ;  $\epsilon_r =$

$41.266$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.100 \text{ W/kg}$

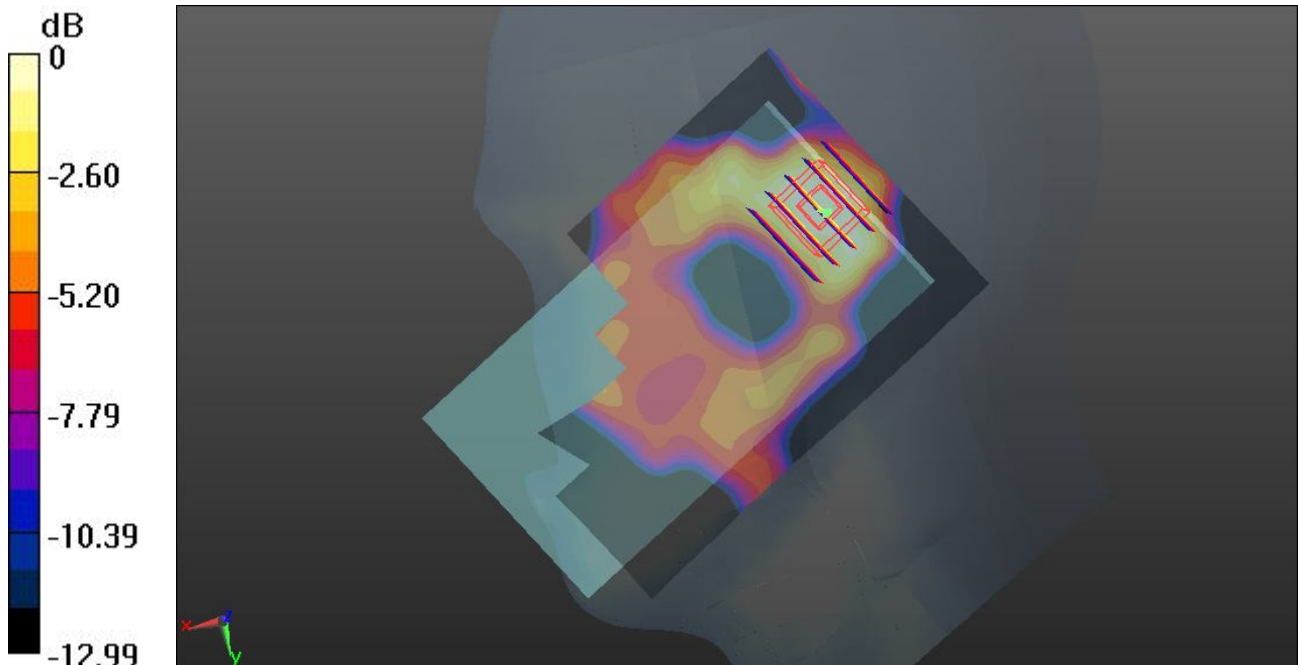
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $8.253 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $0.106 \text{ mW/g}$

**SAR(1 g) =  $0.069 \text{ mW/g}$ ; SAR(10 g) =  $0.043 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0924 \text{ W/kg}$



0 dB =  $0.0924 \text{ W/kg}$



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

**DUT: 372905**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.365$  mho/m;  $\epsilon_r =$

$41.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.4$  °C ; Liquid Temperature :  $22.5$  °C

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.129 W/kg

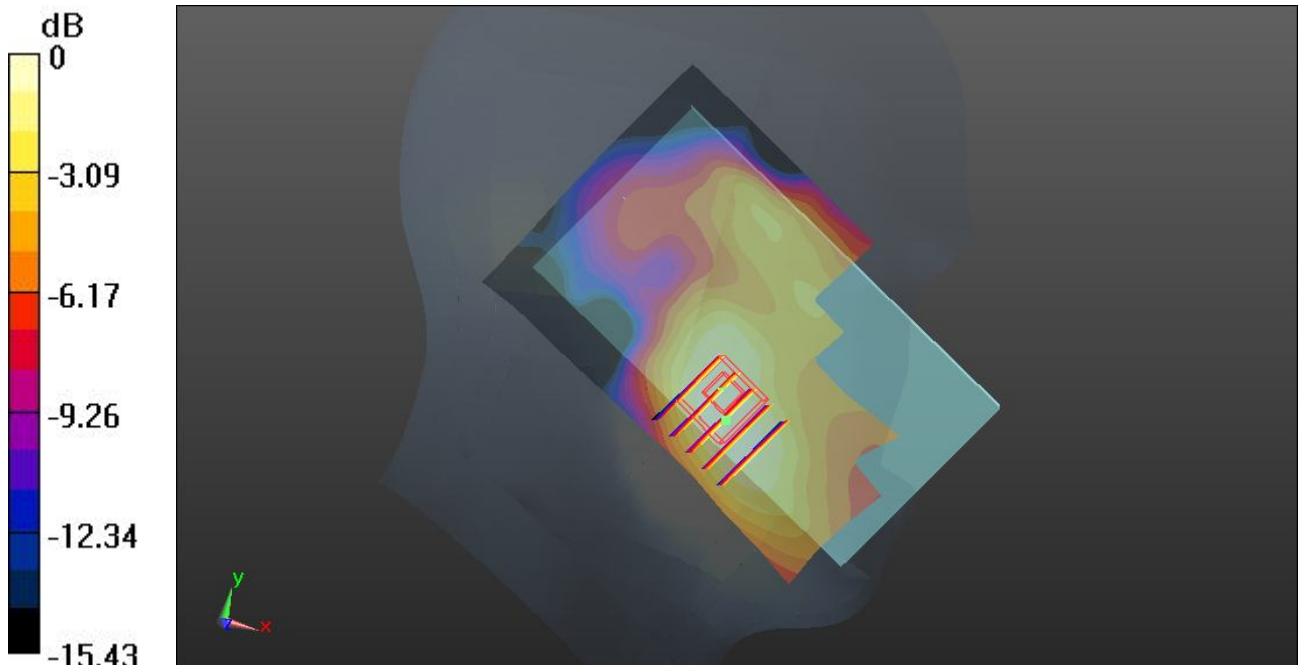
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.432 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.158 mW/g

**SAR(1 g) = 0.108 mW/g; SAR(10 g) = 0.068 mW/g**

Maximum value of SAR (measured) = 0.137 W/kg



0 dB = 0.137 W/kg



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

**DUT: 372905**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.365 \text{ mho/m}$ ;  $\epsilon_r =$

$41.266$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.0790 \text{ W/kg}$

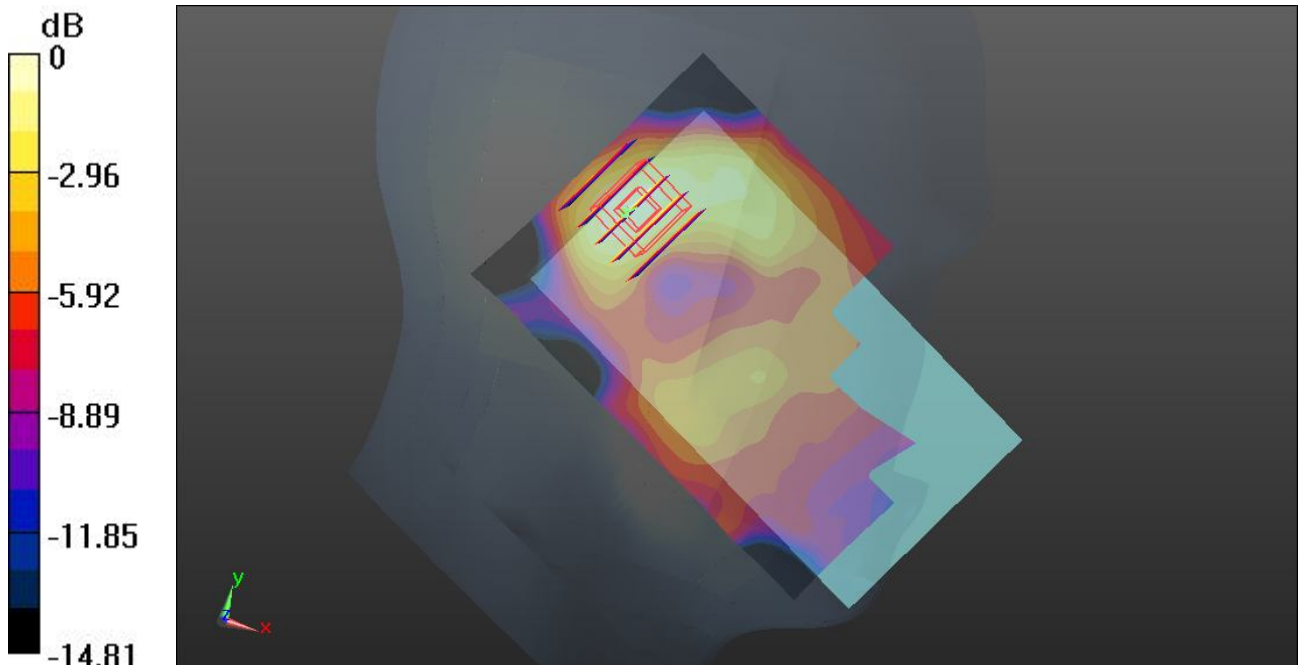
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $7.889 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.099 \text{ mW/g}$

**SAR(1 g) =  $0.061 \text{ mW/g}$ ; SAR(10 g) =  $0.036 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.0810 \text{ W/kg}$



0 dB =  $0.0810 \text{ W/kg}$

**#17 WCDMA Band V\_RMC 12.2K\_Right Cheek\_Ch4132**

**DUT: 372905**

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

Medium: HSL\_835\_130802 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.901$  mho/m;  $\epsilon_r = 43.016$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.255 W/kg

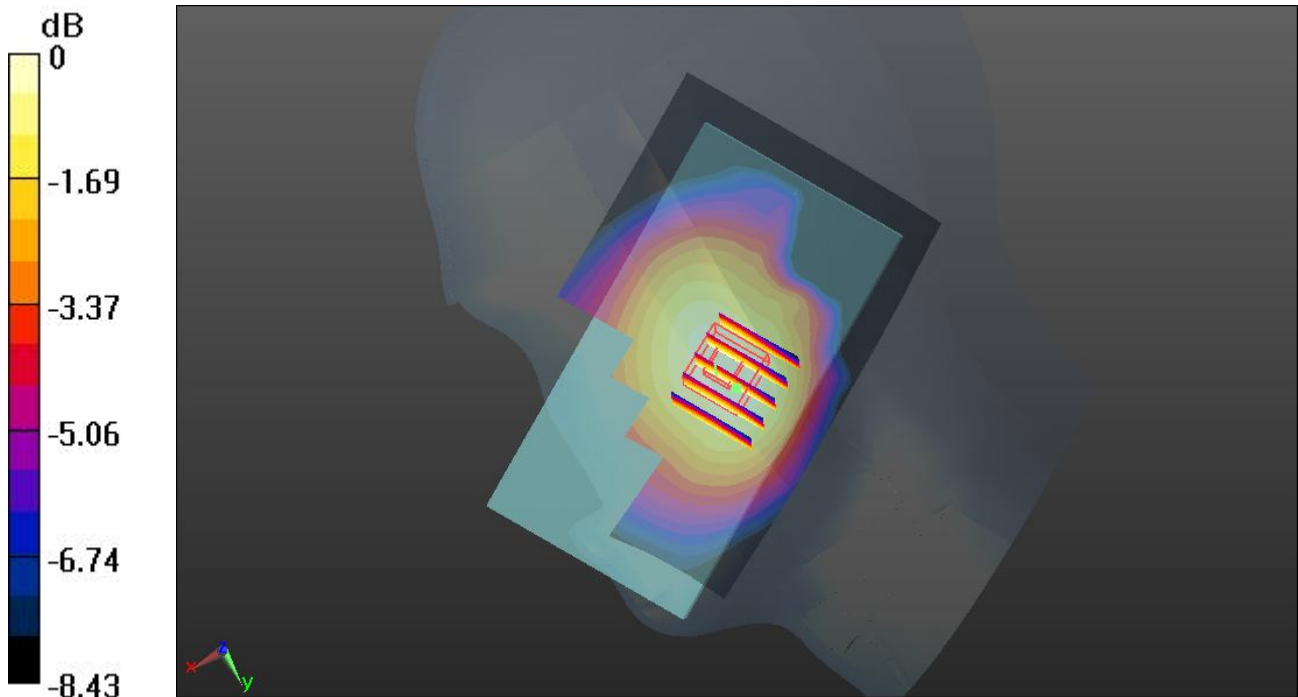
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.189 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.281 mW/g

**SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.183 mW/g**

Maximum value of SAR (measured) = 0.259 W/kg



0 dB = 0.259 W/kg

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

**DUT: 372905**

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

Medium: HSL\_835\_130802 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.901$  mho/m;  $\epsilon_r = 43.016$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.163 W/kg

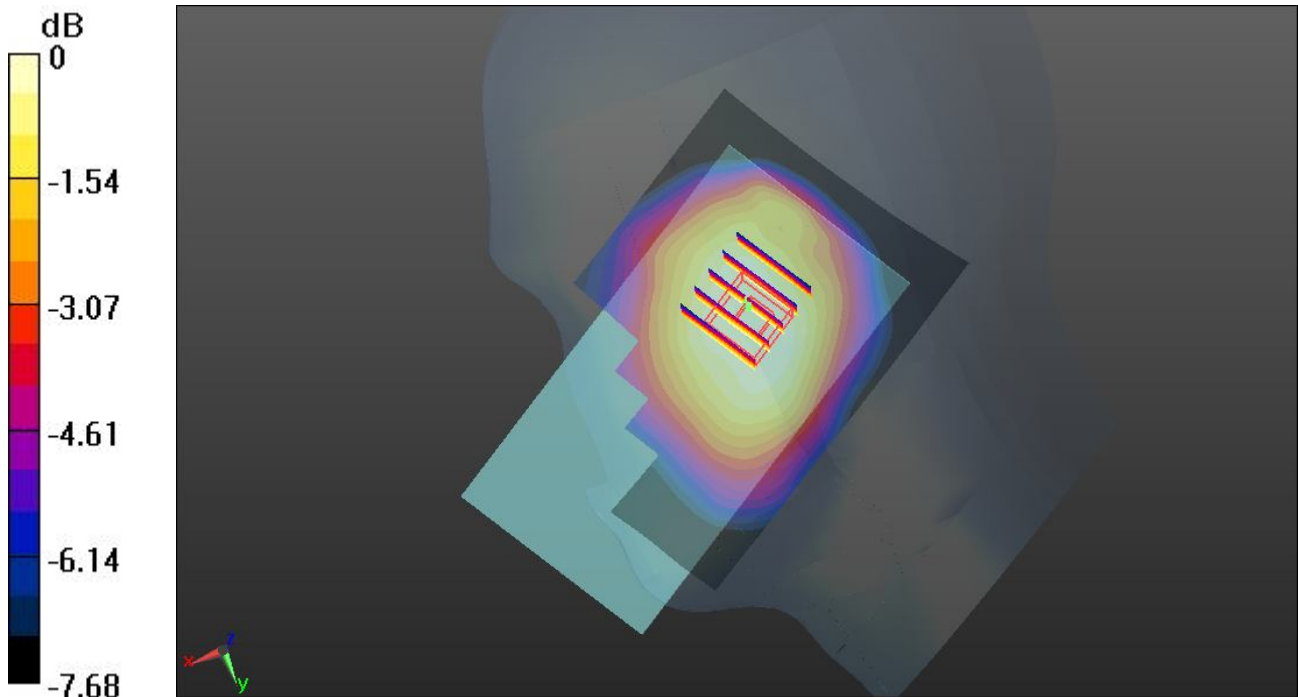
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.482 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.174 mW/g

**SAR(1 g) = 0.141 mW/g; SAR(10 g) = 0.111 mW/g**

Maximum value of SAR (measured) = 0.159 W/kg



0 dB = 0.159 W/kg

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

**DUT: 372905**

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

Medium: HSL\_835\_130802 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.901$  mho/m;  $\epsilon_r = 43.016$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.278 W/kg

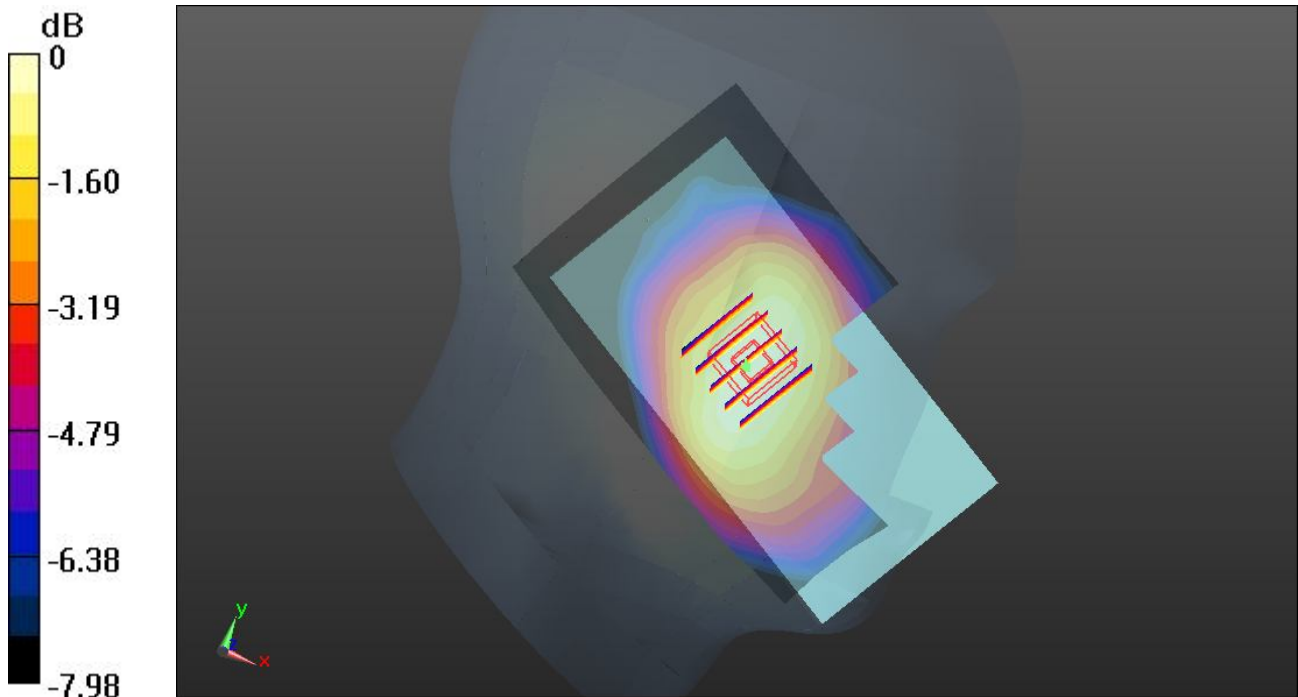
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.167 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.304 mW/g

**SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.194 mW/g**

Maximum value of SAR (measured) = 0.279 W/kg



0 dB = 0.279 W/kg

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

**DUT: 372905**

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

Medium: HSL\_835\_130802 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.901$  mho/m;  $\epsilon_r = 43.016$ ;

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.56, 9.56, 9.56); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.155 W/kg

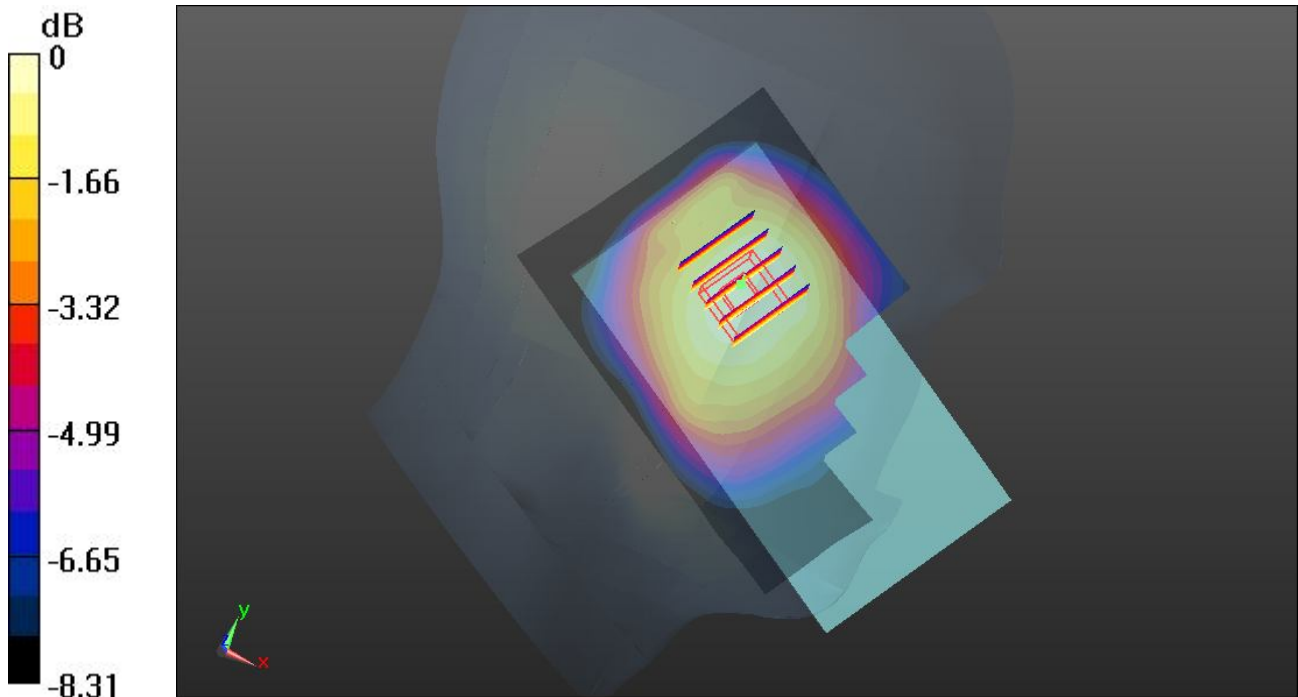
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.317 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.172 mW/g

**SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.109 mW/g**

Maximum value of SAR (measured) = 0.158 W/kg



0 dB = 0.158 W/kg

**#75 WCDMA Band II\_RMC 12.2K\_Right Cheek\_Ch9400**

**DUT: 372905**

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

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.300 W/kg

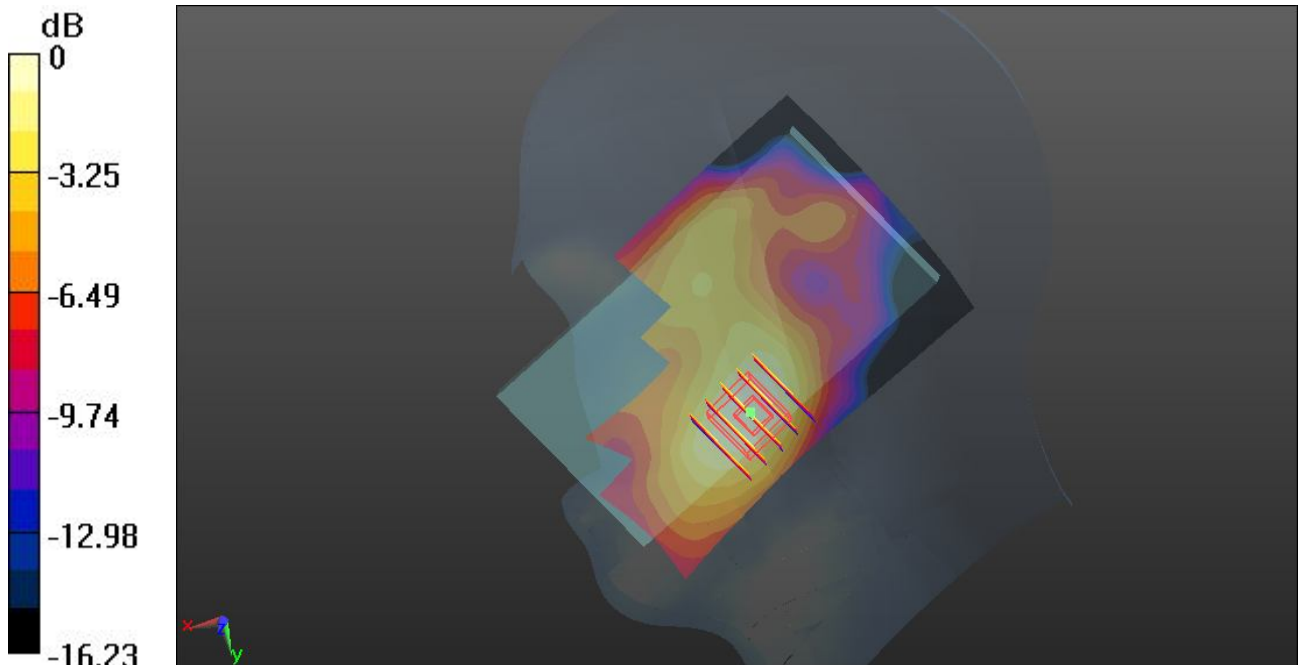
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.508 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.367 mW/g

**SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.150 mW/g**

Maximum value of SAR (measured) = 0.301 W/kg



0 dB = 0.301 W/kg

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

**DUT: 372905**

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

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.199 W/kg

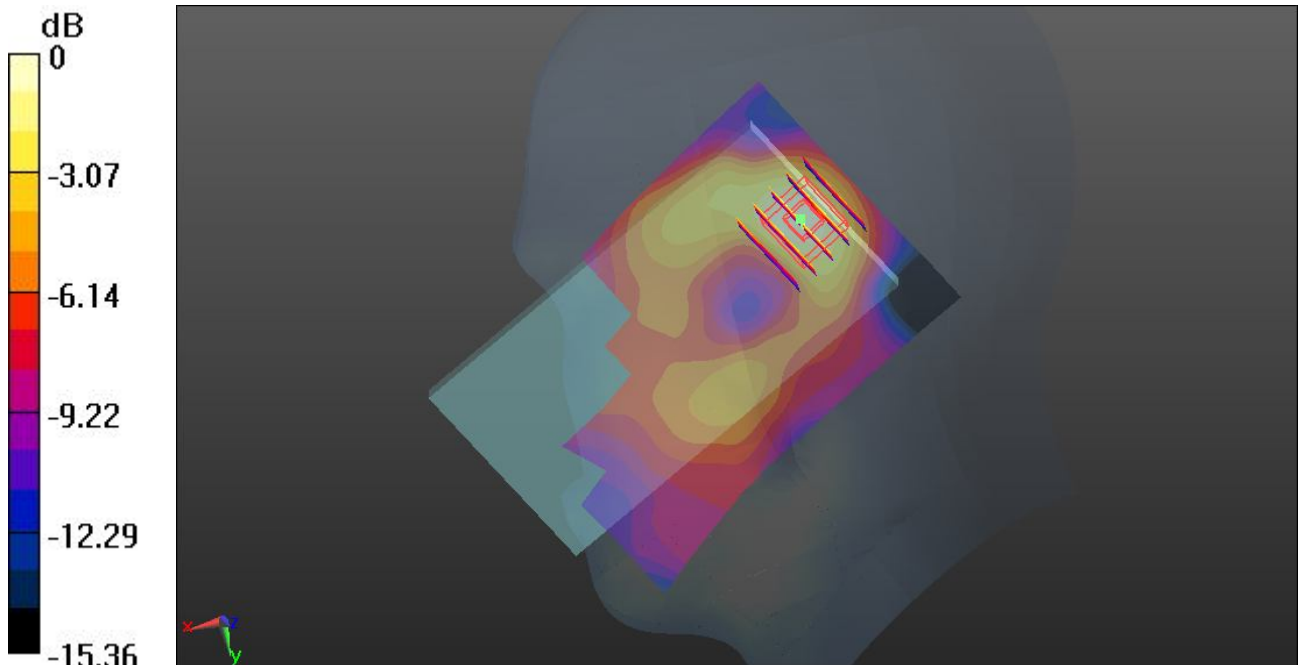
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.699 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.230 mW/g

**SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.083 mW/g**

Maximum value of SAR (measured) = 0.197 W/kg



0 dB = 0.197 W/kg



**#77 WCDMA Band II\_RMC 12.2K\_Left Cheek\_Ch9400**

**DUT: 372905**

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

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

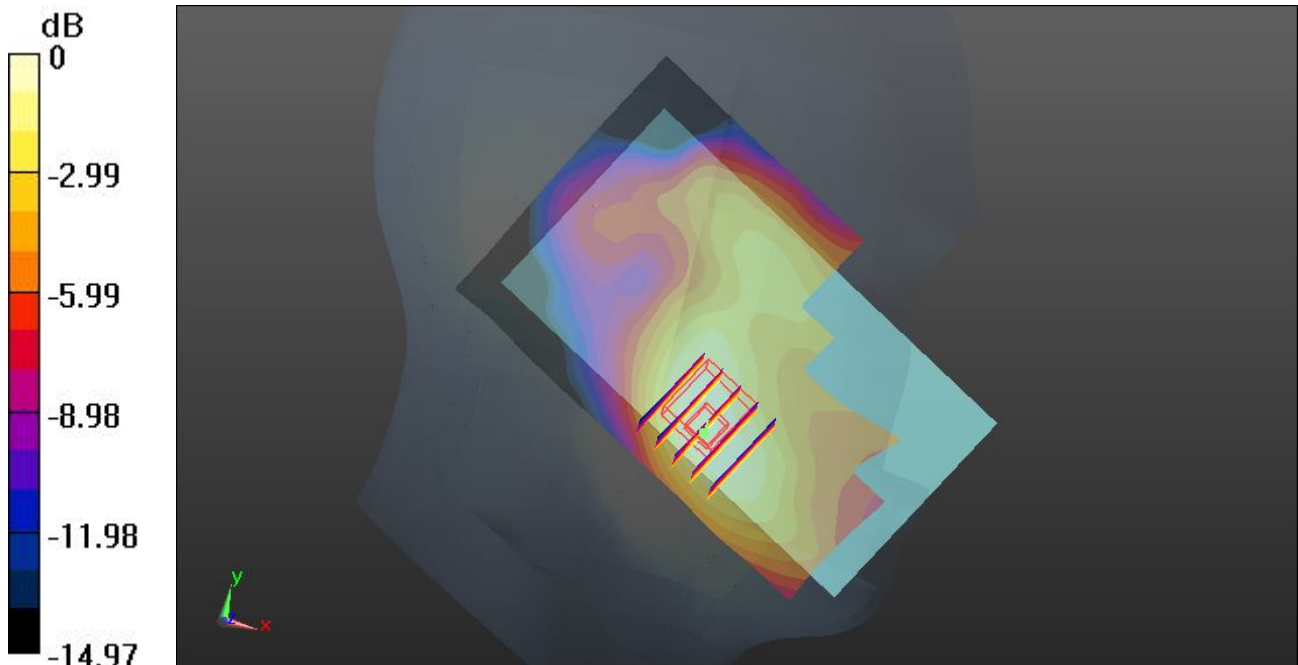
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.226 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.317 mW/g

**SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.128 mW/g**

Maximum value of SAR (measured) = 0.272 W/kg



0 dB = 0.272 W/kg

**#78 WCDMA Band II\_RMC 12.2K\_Left Tilted\_Ch9400**

**DUT: 372905**

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

Medium: HSL\_1900\_130807 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.164 W/kg

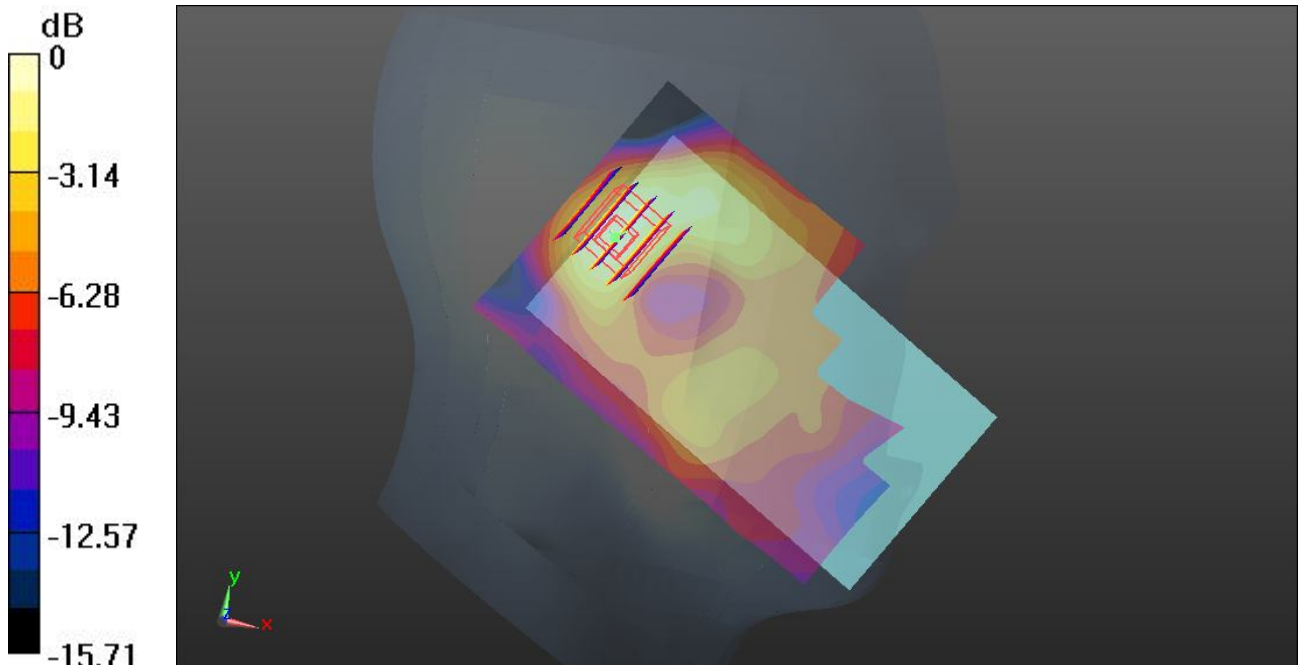
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.209 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.203 mW/g

**SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.073 mW/g**

Maximum value of SAR (measured) = 0.169 W/kg



0 dB = 0.169 W/kg

### #101 WLAN 2.4GHz\_802.11b\_Right Cheek\_Ch11

**DUT: 372905**

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

Medium: HSL\_2450\_130802 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (91x151x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.368 W/kg

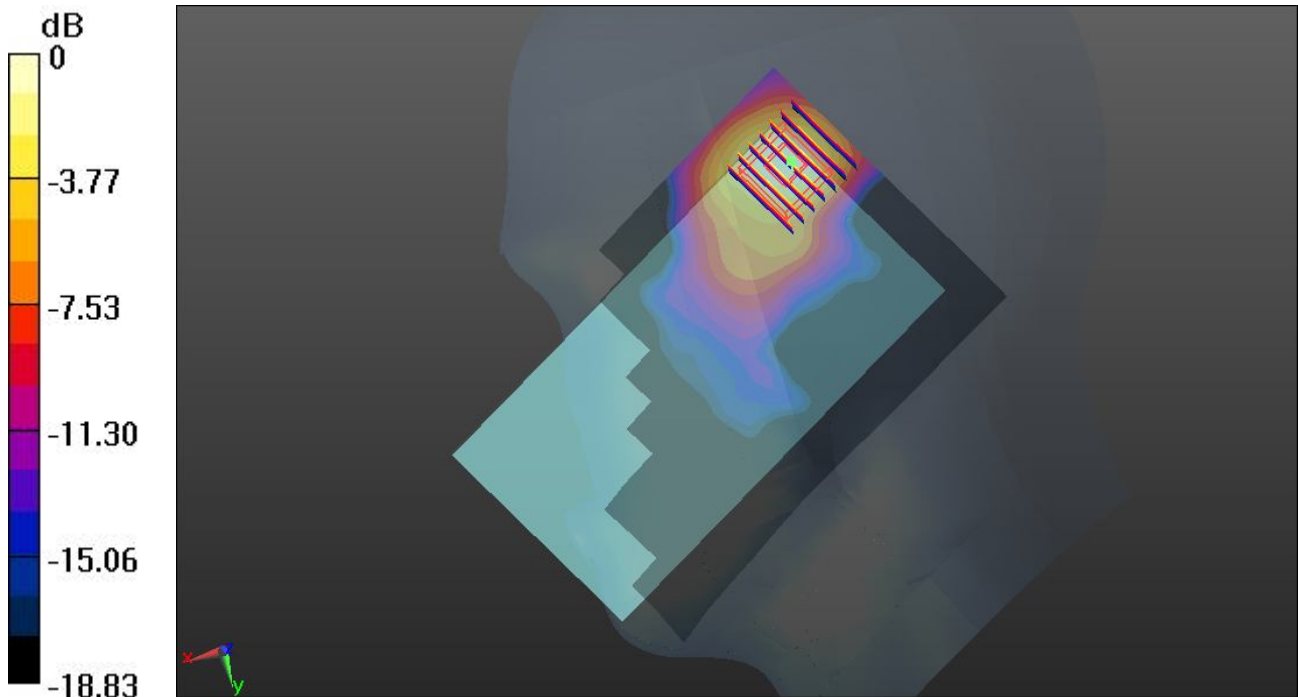
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.272 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.495 mW/g

**SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.122 mW/g**

Maximum value of SAR (measured) = 0.371 W/kg



0 dB = 0.371 W/kg

### #102 WLAN 2.4GHz\_802.11b\_Right Tilted\_Ch11

**DUT: 372905**

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

Medium: HSL\_2450\_130802 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (91x151x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.345 W/kg

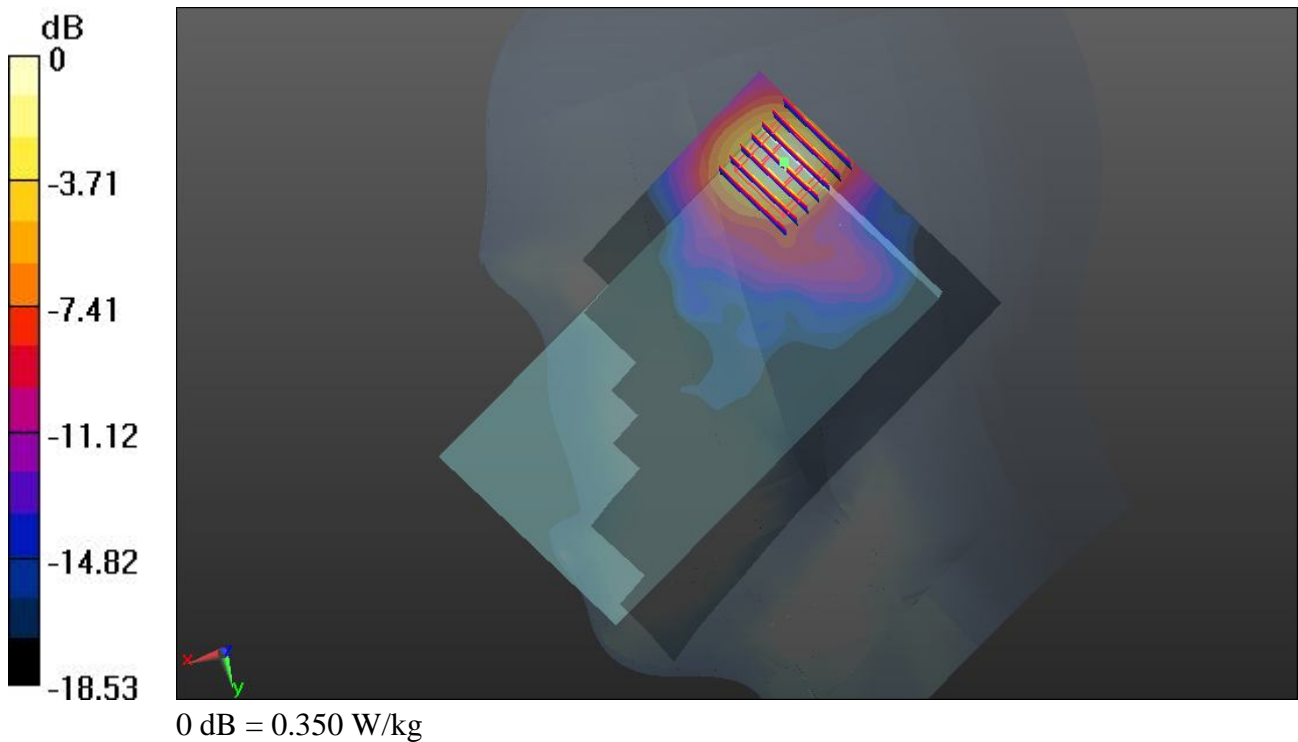
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.930 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.470 mW/g

**SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.106 mW/g**

Maximum value of SAR (measured) = 0.350 W/kg



### #103 WLAN 2.4GHz\_802.11b\_Left Cheek\_Ch11

**DUT: 372905**

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

Medium: HSL\_2450\_130802 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.892 \text{ mho/m}$ ;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.5 \text{ }^\circ\text{C}$

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (91x151x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.134 \text{ W/kg}$

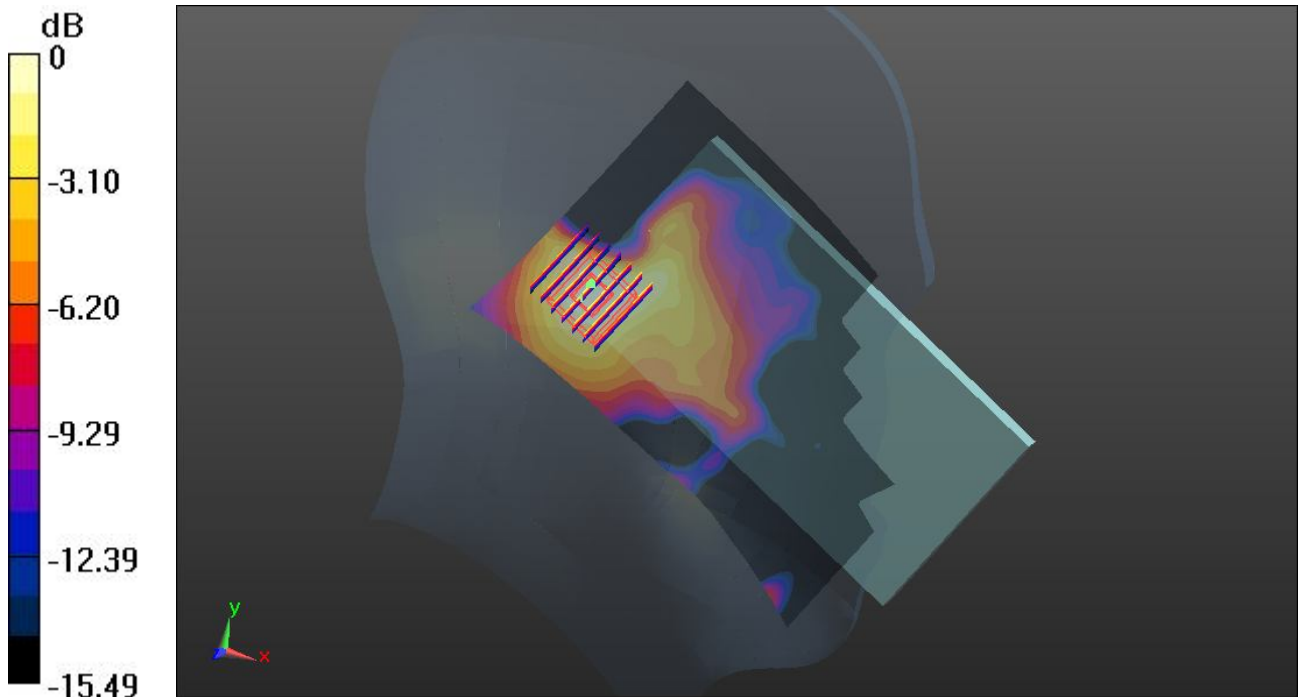
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $7.945 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.154 \text{ mW/g}$

**SAR(1 g) =  $0.084 \text{ mW/g}$ ; SAR(10 g) =  $0.044 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.116 \text{ W/kg}$



0 dB =  $0.116 \text{ W/kg}$

### #104 WLAN 2.4GHz\_802.11b\_Left Tilted\_Ch11

**DUT: 372905**

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

Medium: HSL\_2450\_130802 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.892$  mho/m;  $\epsilon_r = 40.41$ ;

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

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.99, 6.99, 6.99); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (91x151x1):** Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.147 W/kg

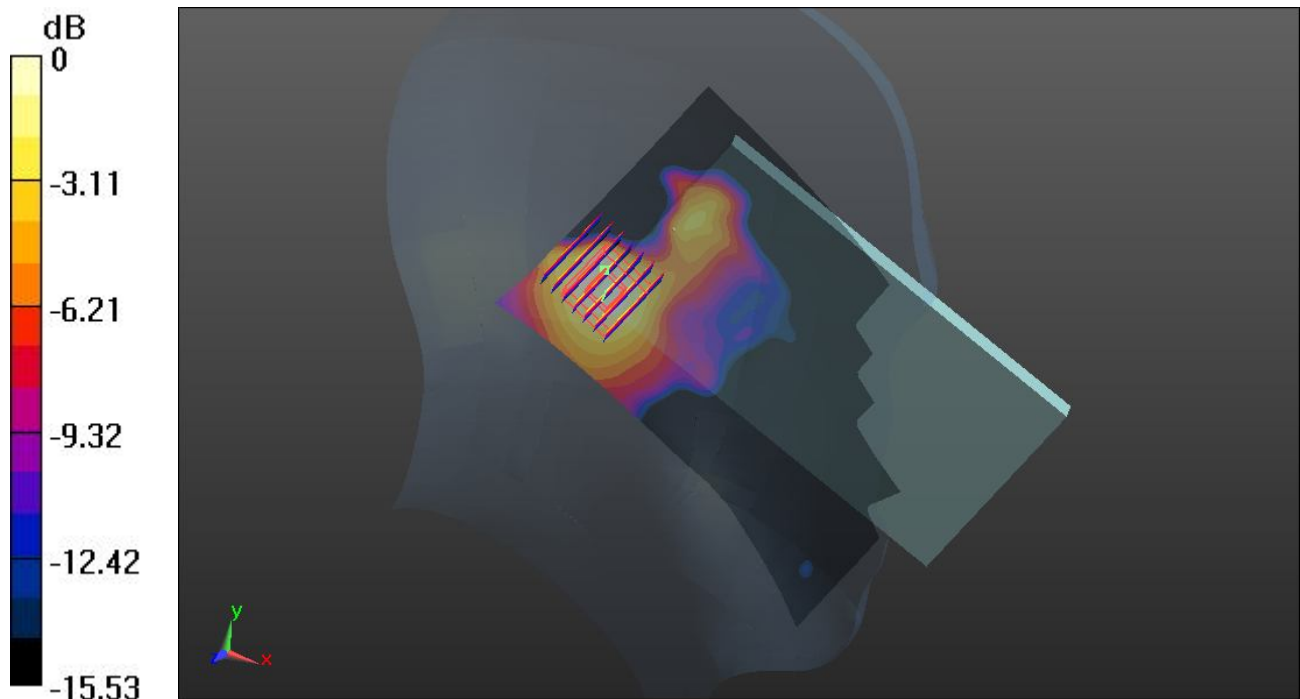
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.560 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.152 mW/g

**SAR(1 g) = 0.082 mW/g; SAR(10 g) = 0.043 mW/g**

Maximum value of SAR (measured) = 0.117 W/kg



0 dB = 0.117 W/kg

### #21 GSM850\_GPRS(4 Tx slots)\_Front\_1cm\_Ch251

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

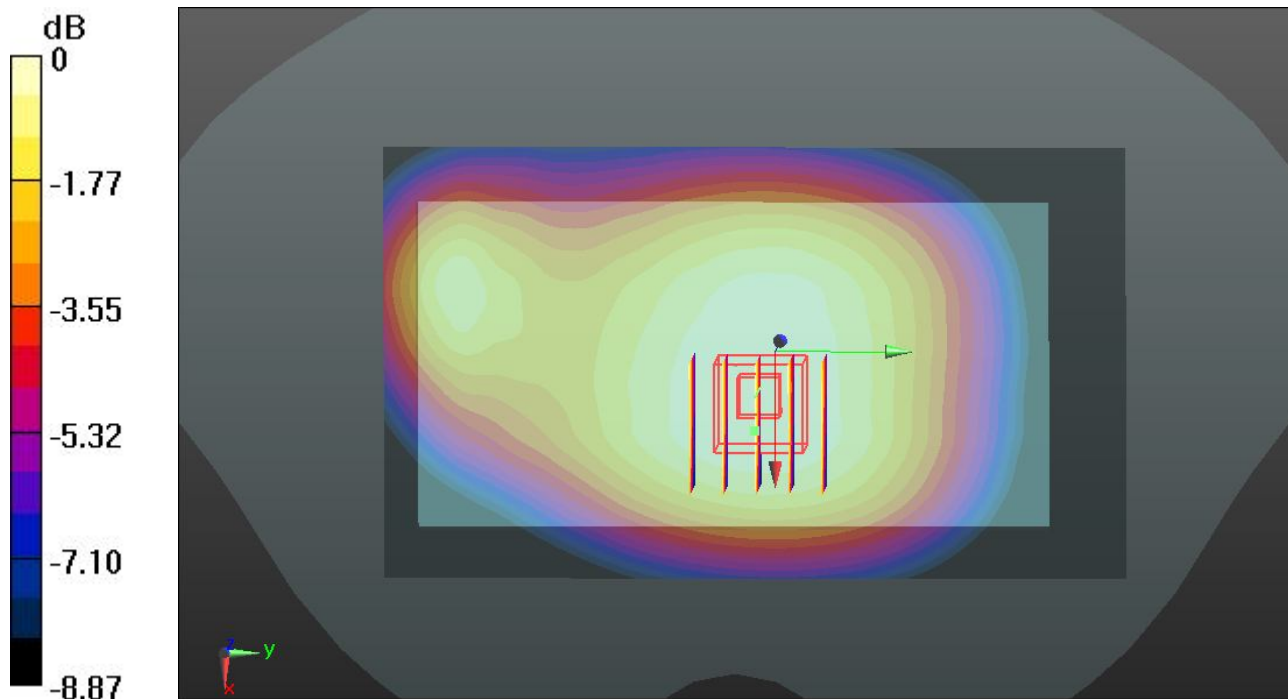
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.819 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.786 mW/g

**SAR(1 g) = 0.630 mW/g; SAR(10 g) = 0.485 mW/g**

Maximum value of SAR (measured) = 0.716 W/kg



0 dB = 0.716 W/kg



**#22 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch251**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.977 W/kg

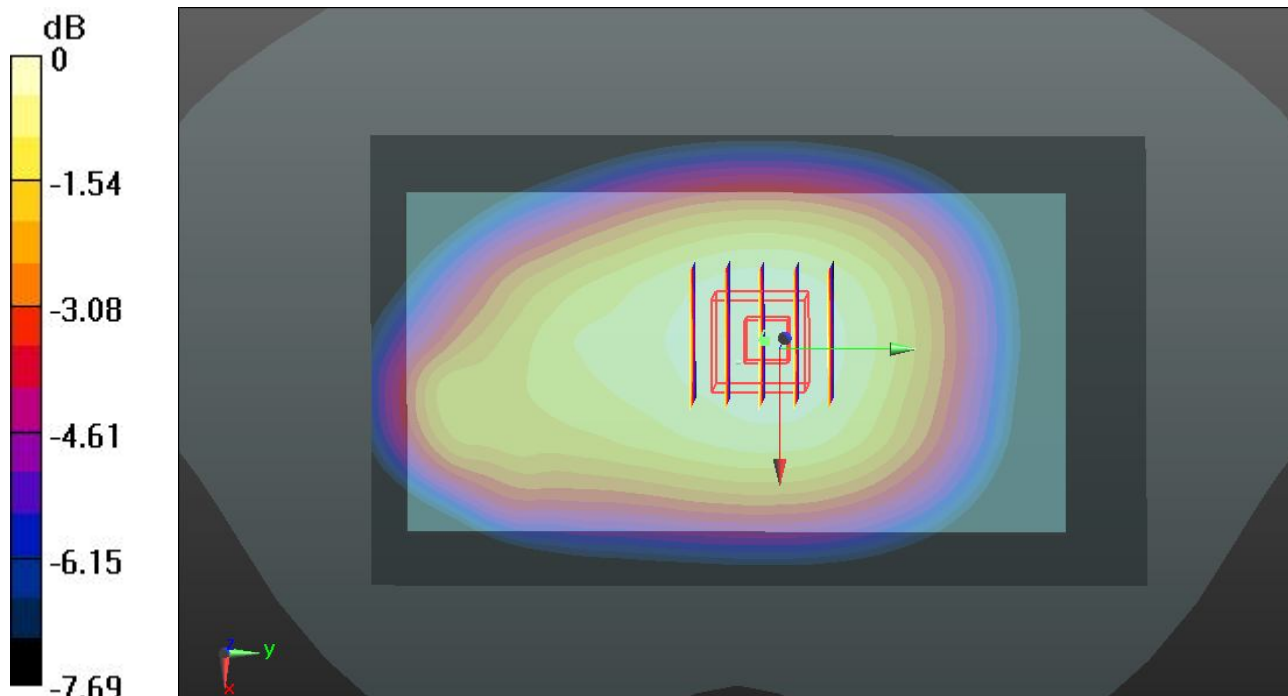
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.285 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.062 mW/g

**SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.660 mW/g**

Maximum value of SAR (measured) = 0.973 W/kg



0 dB = 0.973 W/kg

**#24 GSM850\_GPRS(4 Tx slots)\_Left Side\_1cm\_Ch251**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (41x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.683 W/kg

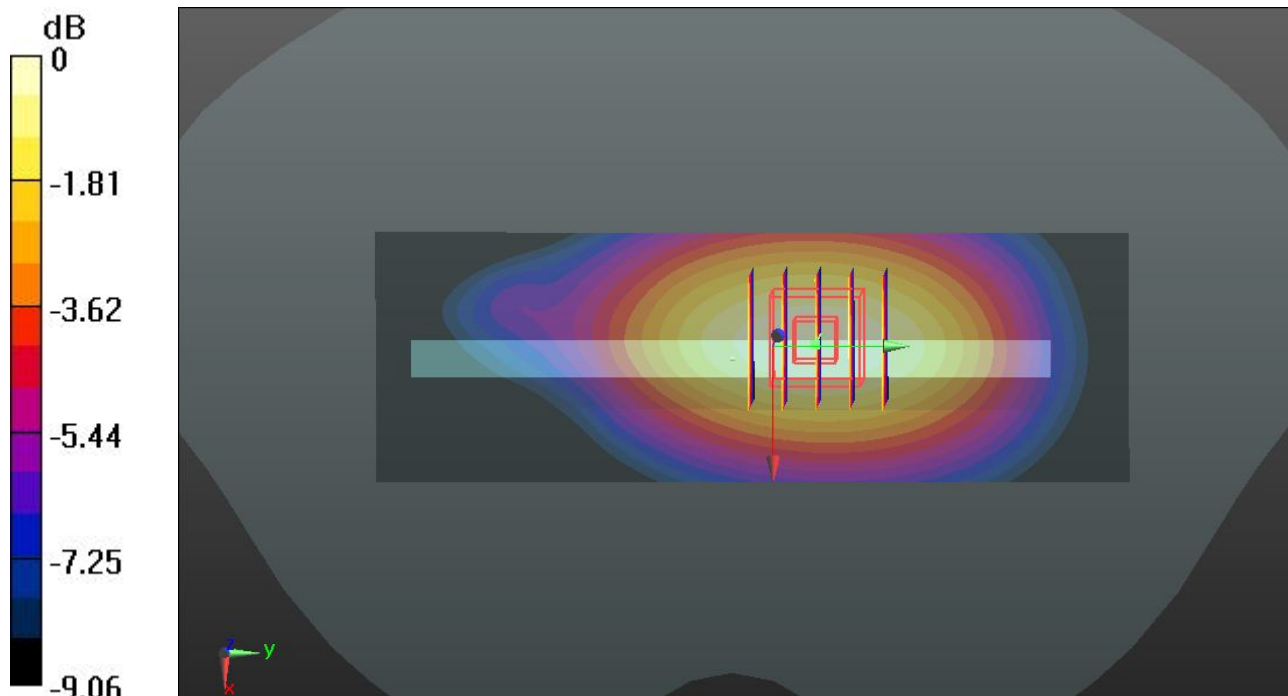
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.079 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.777 mW/g

**SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.398 mW/g**

Maximum value of SAR (measured) = 0.682 W/kg



0 dB = 0.682 W/kg

**#25 GSM850\_GPRS(4 Tx slots)\_Right Side\_1cm\_Ch251**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (41x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.672 W/kg

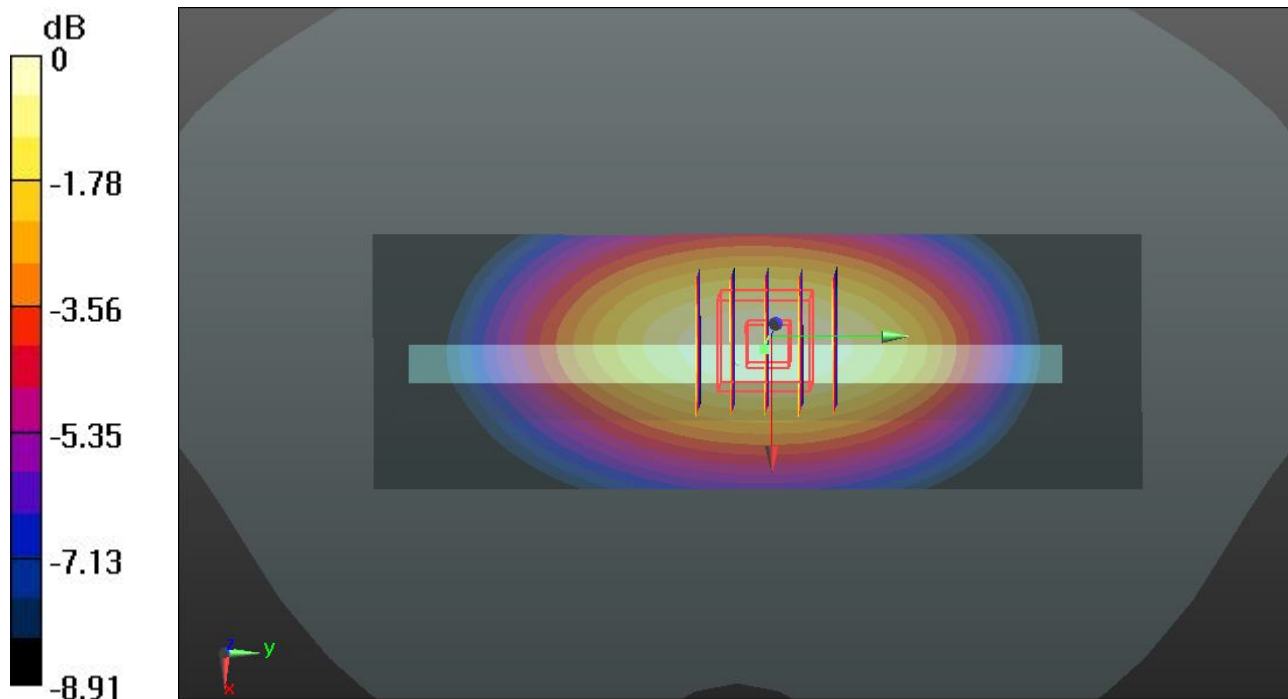
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.987 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.766 mW/g

**SAR(1 g) = 0.555 mW/g; SAR(10 g) = 0.391 mW/g**

Maximum value of SAR (measured) = 0.672 W/kg



0 dB = 0.672 W/kg

**#26 GSM850\_GPRS(4 Tx slots)\_Bottom Side\_1cm\_Ch251**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

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

Maximum value of SAR (interpolated) = 0.908 W/kg

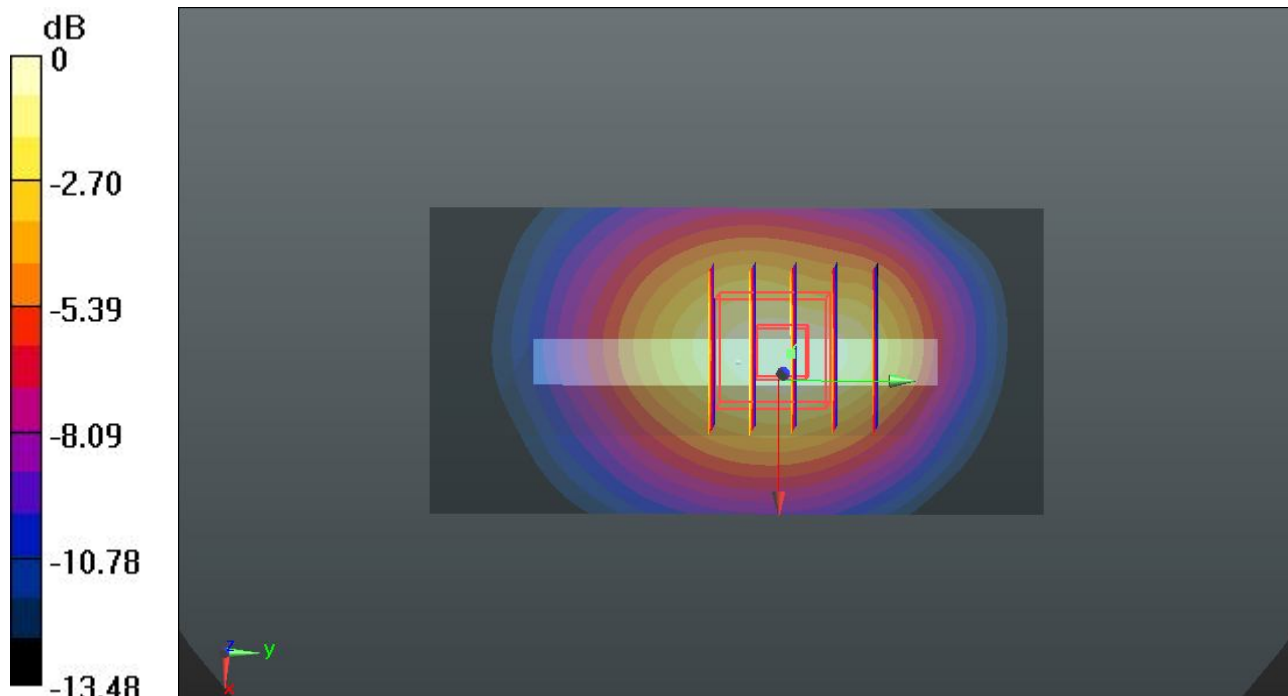
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.513 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.086 mW/g

**SAR(1 g) = 0.656 mW/g; SAR(10 g) = 0.403 mW/g**

Maximum value of SAR (measured) = 0.883 W/kg



0 dB = 0.883 W/kg

**#27 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch128**

**DUT: 372905**

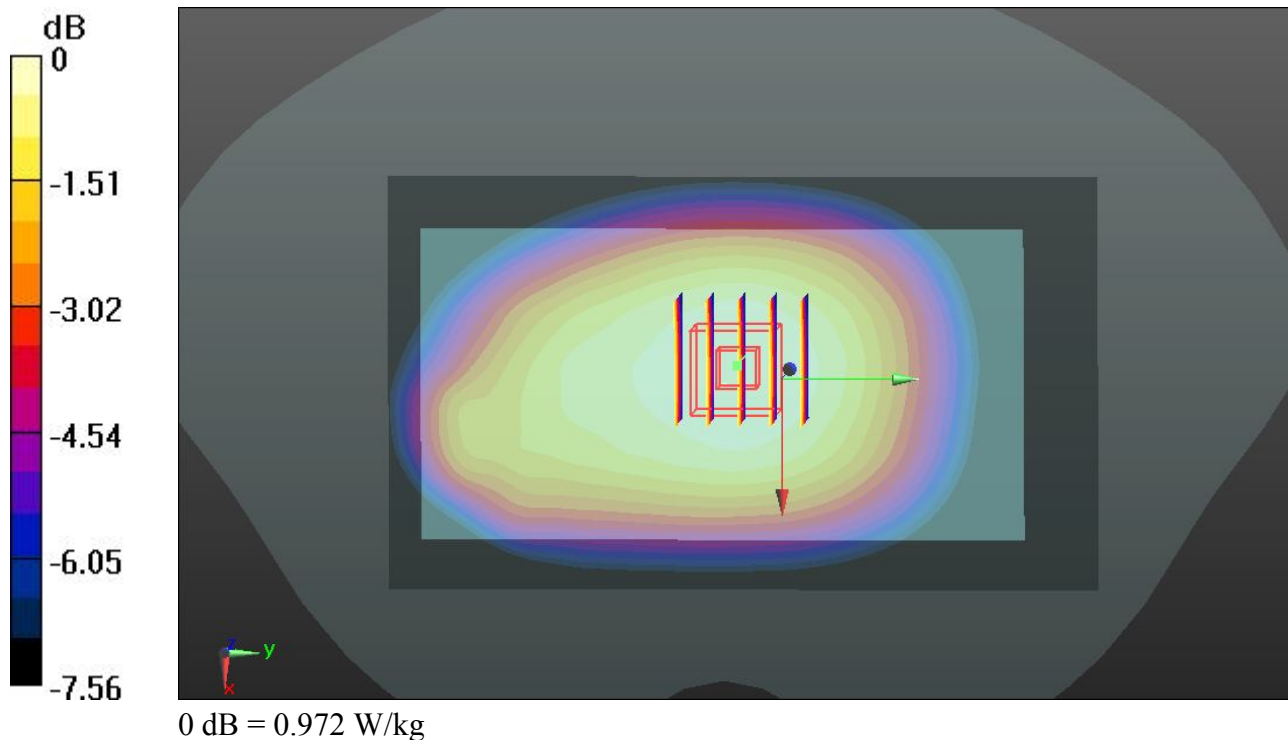
Communication System: GPRS/EDGE12; Frequency: 824.2 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130803 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.956$  mho/m;  $\epsilon_r = 55.497$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch128/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm  
Maximum value of SAR (interpolated) = 0.985 W/kg

**Ch128/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 32.855 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 1.060 mW/g  
**SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.667 mW/g**  
Maximum value of SAR (measured) = 0.972 W/kg



**#28 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch189**

**DUT: 372905**

Communication System: GPRS/EDGE12; Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130803 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r = 55.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch189/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

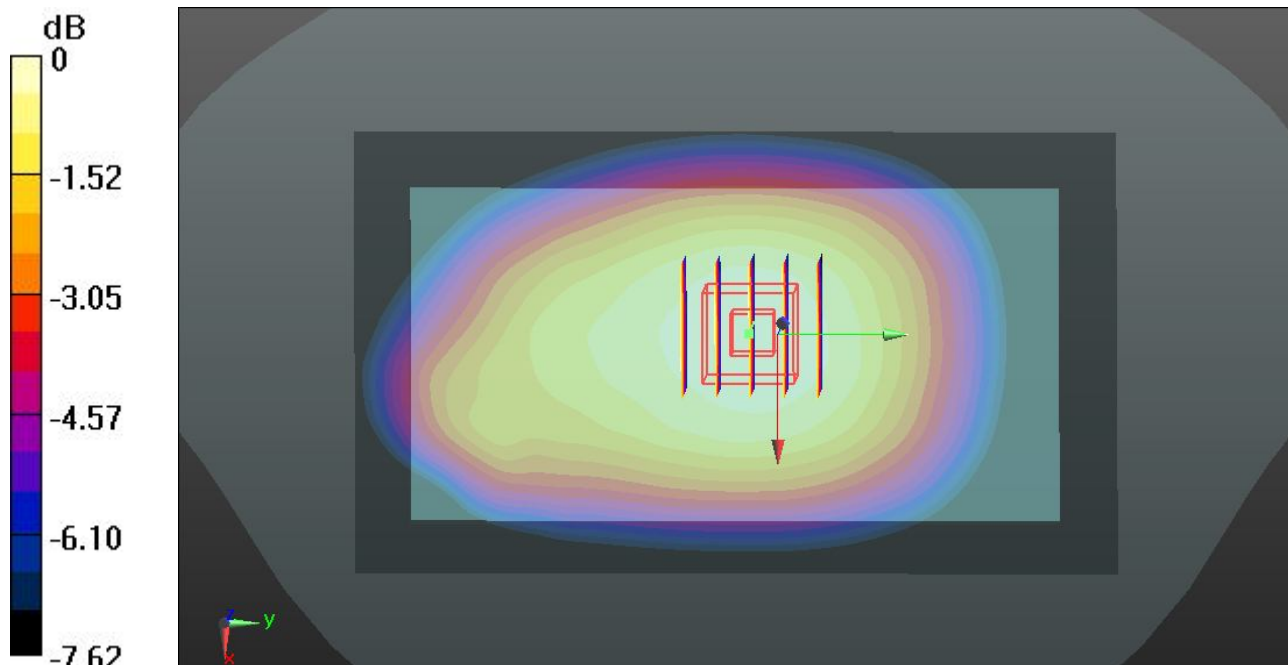
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.330 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.256 mW/g

**SAR(1 g) = 1.010 mW/g; SAR(10 g) = 0.782 mW/g**

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



0 dB = 1.16 W/kg

### #41 GSM850\_GPRS(4 Tx slots)\_Back\_1cm\_Ch189\_Repeat

**DUT: 372905**

Communication System: GPRS/EDGE12; Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: MSL\_835\_130803 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.968$  mho/m;  $\epsilon_r = 55.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch189/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

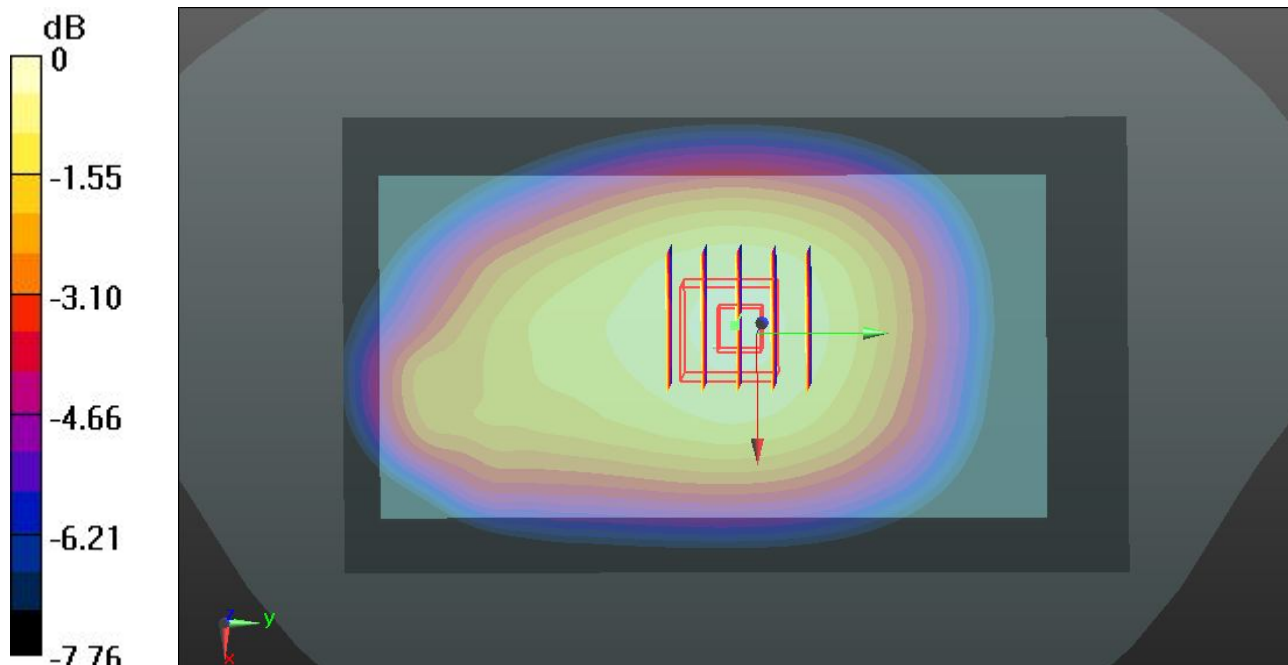
**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.105 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.227 mW/g

**SAR(1 g) = 0.991 mW/g; SAR(10 g) = 0.771 mW/g**

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



0 dB = 1.13 W/kg



**#39 GSM850\_GSM Voice\_Front\_1cm\_Ch251**

**DUT: 372905**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.340 W/kg

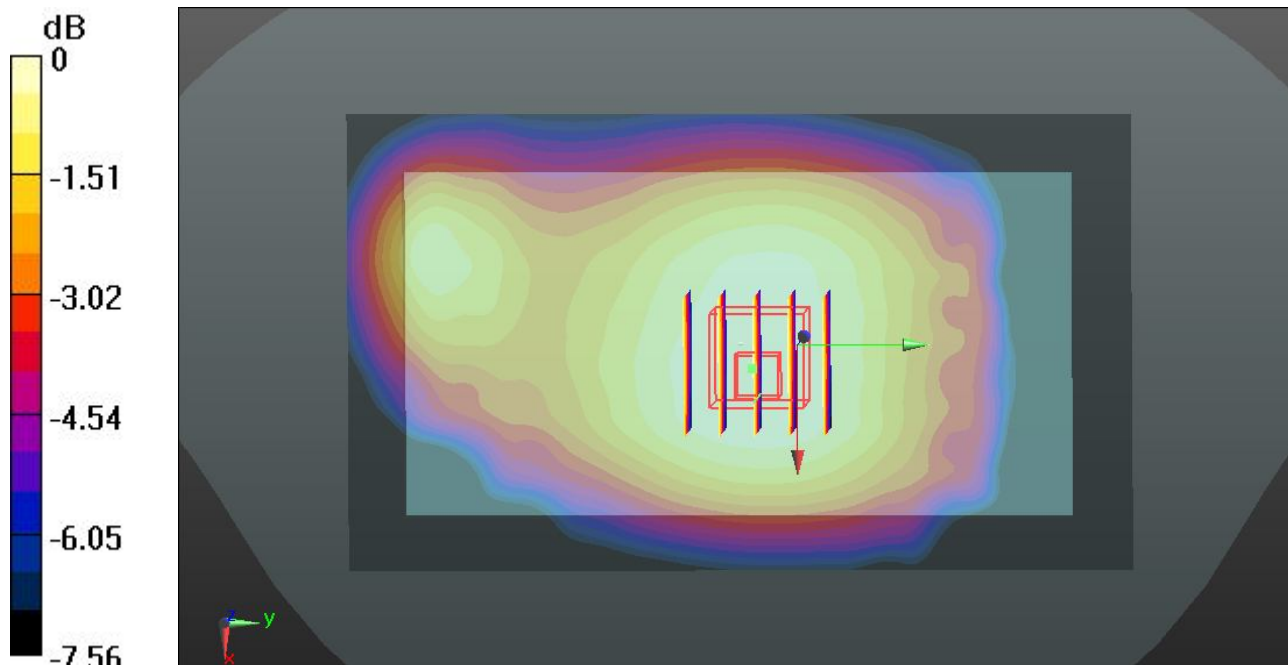
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.084 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.373 mW/g

**SAR(1 g) = 0.298 mW/g; SAR(10 g) = 0.232 mW/g**

Maximum value of SAR (measured) = 0.340 W/kg



0 dB = 0.340 W/kg

**#40 GSM850\_GSM Voice\_Back\_1cm\_Ch251**

**DUT: 372905**

Communication System: Generic GSM; Frequency: 848.8 MHz; Duty Cycle: 1:8

Medium: MSL\_835\_130803 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.981$  mho/m;  $\epsilon_r = 55.275$ ;

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

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch251/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.503 W/kg

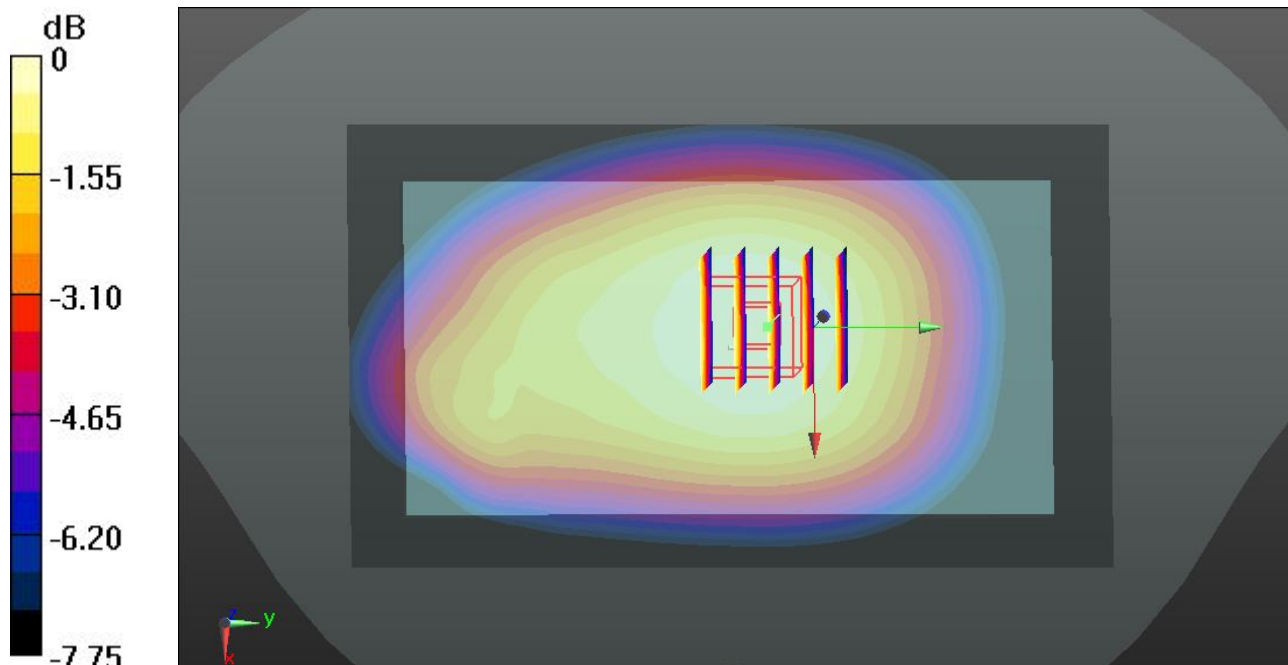
**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.243 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.545 mW/g

**SAR(1 g) = 0.440 mW/g; SAR(10 g) = 0.342 mW/g**

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



0 dB = 0.500 W/kg

**#54 GSM1900\_GPRS(4 Tx slots)\_Front\_1cm\_Ch512**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.499 W/kg

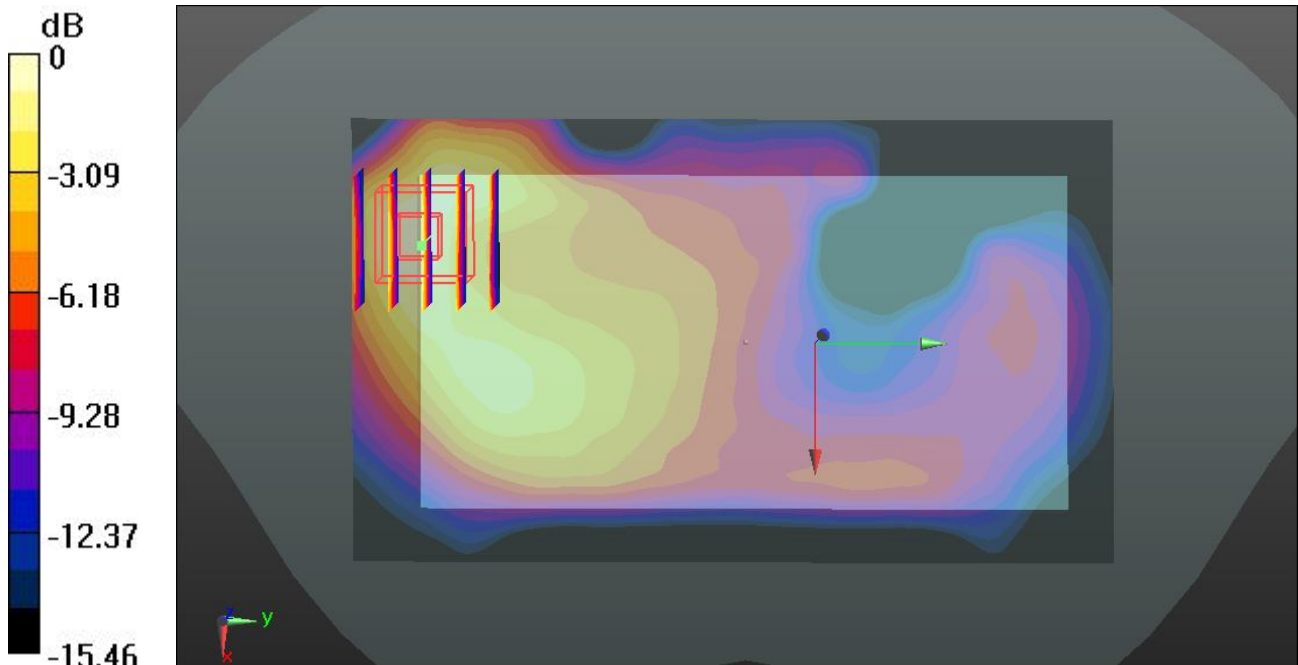
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.982 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.591 mW/g

**SAR(1 g) = 0.358 mW/g; SAR(10 g) = 0.200 mW/g**

Maximum value of SAR (measured) = 0.487 W/kg



0 dB = 0.487 W/kg

**#55 GSM1900\_GPRS(4 Tx slots)\_Back\_1cm\_Ch512**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

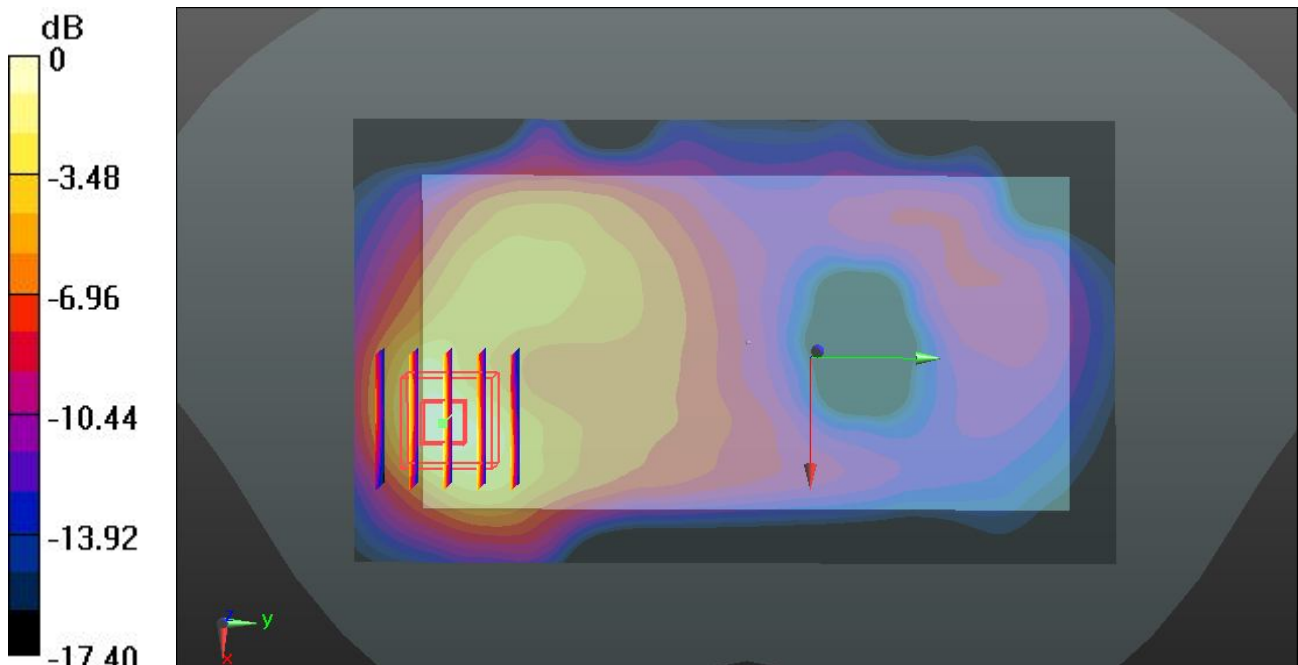
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.803 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.067 mW/g

**SAR(1 g) = 0.635 mW/g; SAR(10 g) = 0.341 mW/g**

Maximum value of SAR (measured) = 0.882 W/kg



0 dB = 0.882 W/kg

**#56 GSM1900\_GPRS(4 Tx slots)\_Left Side\_1cm\_Ch512**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.503$  mho/m;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

**Ch512/Area Scan (41x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.168 W/kg

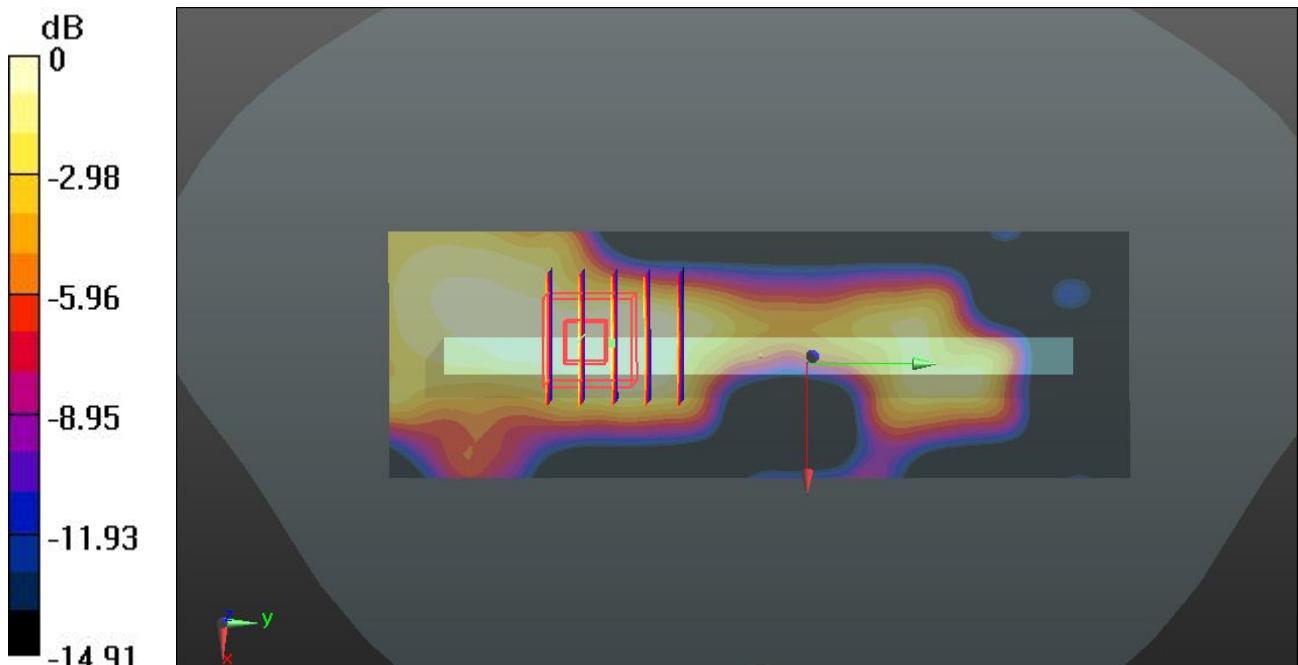
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.662 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.195 mW/g

**SAR(1 g) = 0.122 mW/g; SAR(10 g) = 0.074 mW/g**

Maximum value of SAR (measured) = 0.162 W/kg



0 dB = 0.162 W/kg

**#57 GSM1900\_GPRS(4 Tx slots)\_Right Side\_1cm\_Ch512**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.503 \text{ mho/m}$ ;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch512/Area Scan (41x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.176 \text{ W/kg}$

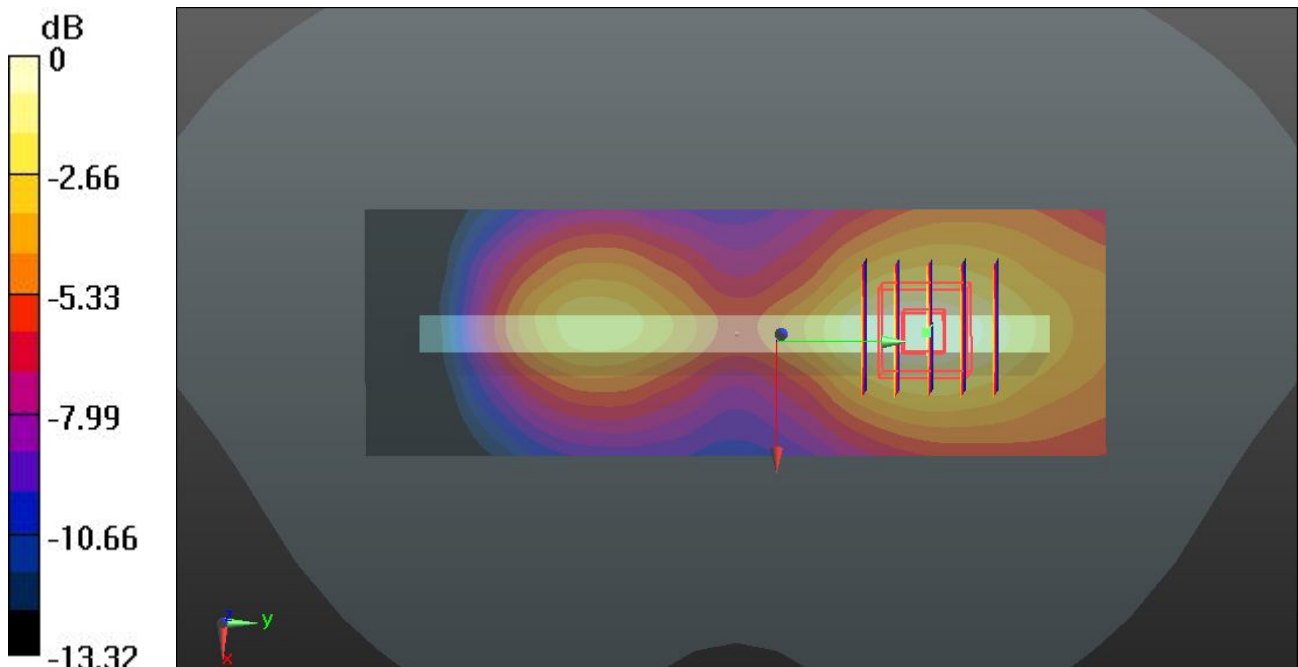
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.766 \text{ V/m}$ ; Power Drift =  $0.09 \text{ dB}$

Peak SAR (extrapolated) =  $0.209 \text{ mW/g}$

**SAR(1 g) =  $0.133 \text{ mW/g}$ ; SAR(10 g) =  $0.081 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.174 \text{ W/kg}$



0 dB =  $0.174 \text{ W/kg}$



**#58 GSM1900\_GPRS(4 Tx slots)\_Bottom Side\_1cm\_Ch512**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.503 \text{ mho/m}$ ;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) =  $0.556 \text{ W/kg}$

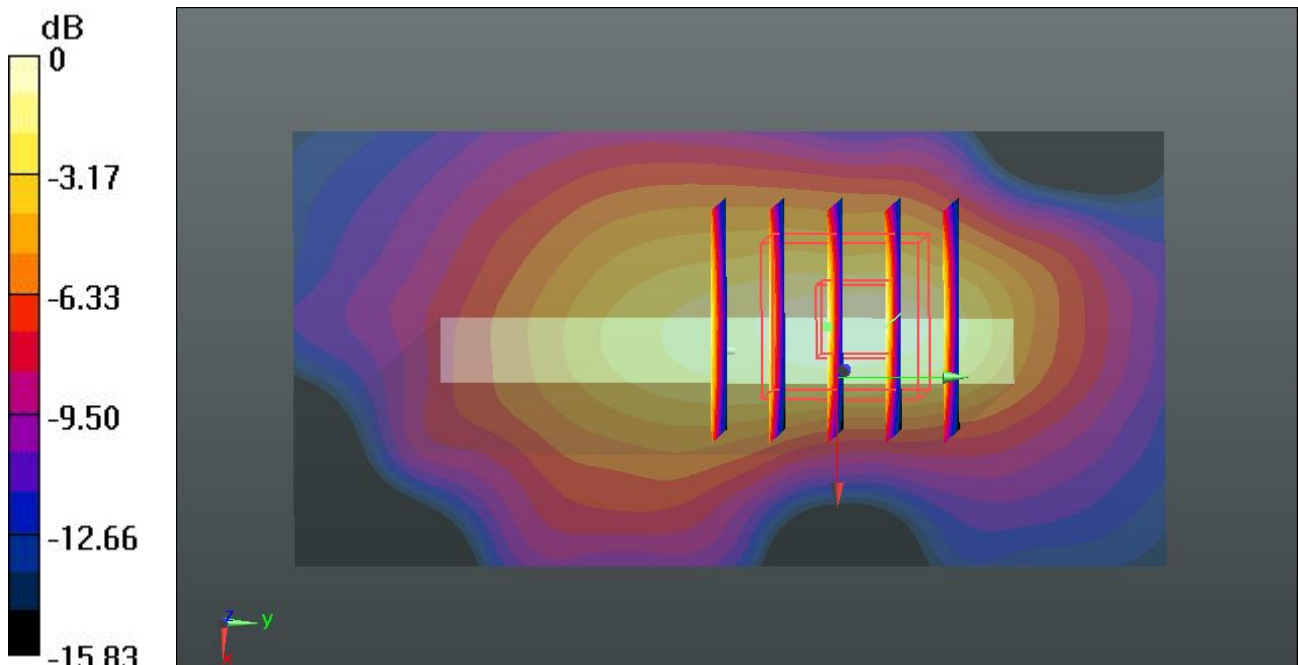
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $20.144 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.725 \text{ mW/g}$

**SAR(1 g) =  $0.421 \text{ mW/g}$ ; SAR(10 g) =  $0.224 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.575 \text{ W/kg}$



0 dB =  $0.575 \text{ W/kg}$



**#59 GSM1900\_GSM Voice\_Front\_1cm\_Ch512**

**DUT: 372905**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.503 \text{ mho/m}$ ;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.391 \text{ W/kg}$

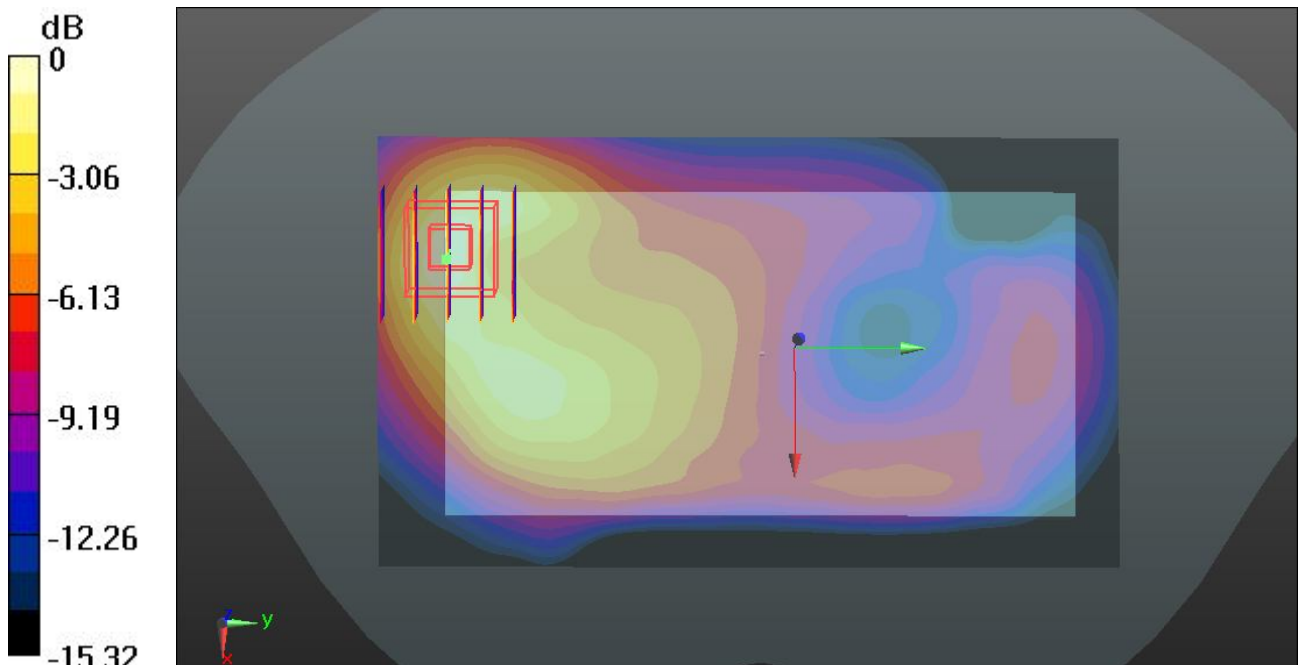
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $16.037 \text{ V/m}$ ; Power Drift =  $-0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.478 \text{ mW/g}$

**SAR(1 g) =  $0.290 \text{ mW/g}$ ; SAR(10 g) =  $0.163 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.397 \text{ W/kg}$



0 dB =  $0.397 \text{ W/kg}$

**#60 GSM1900\_GSM Voice\_Back\_1cm\_Ch512**

**DUT: 372905**

Communication System: Generic GSM; Frequency: 1850.2 MHz; Duty Cycle: 1:8

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1850.2 \text{ MHz}$ ;  $\sigma = 1.503 \text{ mho/m}$ ;  $\epsilon_r =$

$52.082$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch512/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.629 \text{ W/kg}$

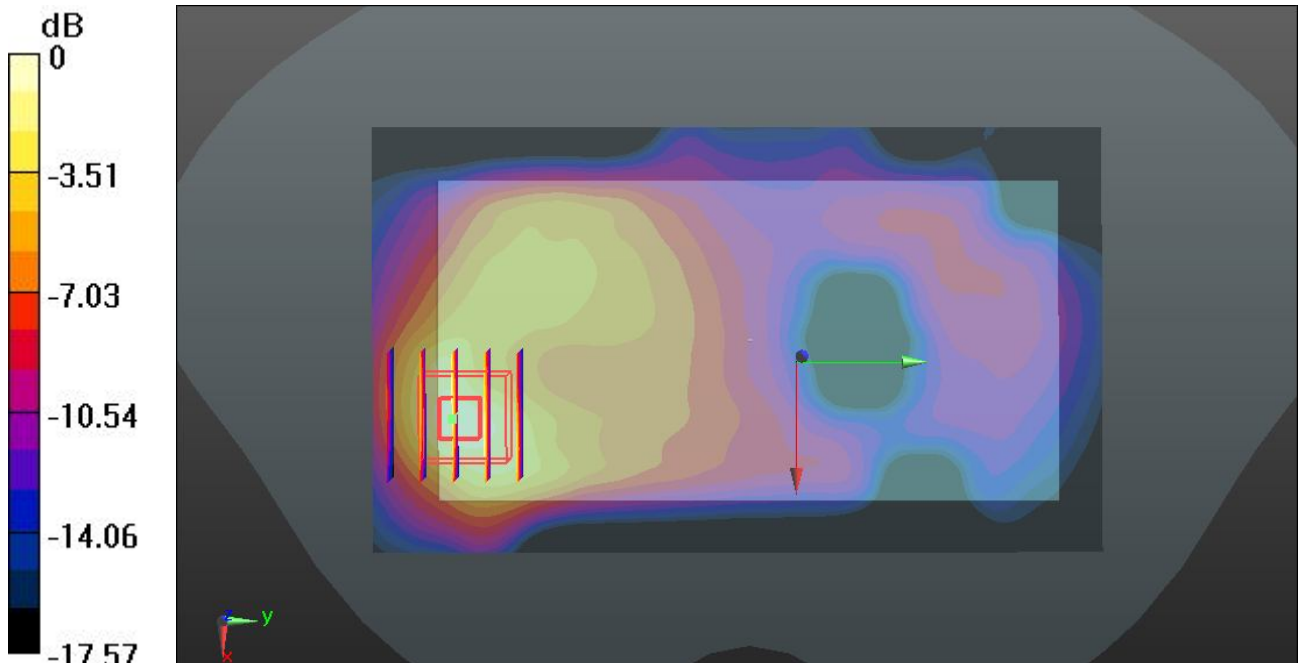
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $21.748 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.857 \text{ mW/g}$

**SAR(1 g) =  $0.505 \text{ mW/g}$ ; SAR(10 g) =  $0.272 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.689 \text{ W/kg}$



0 dB =  $0.689 \text{ W/kg}$

### #30 WCDMA Band V\_RMC 12.2K\_Front\_1cm\_Ch4132

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.959 \text{ mho/m}$ ;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.332 \text{ W/kg}$

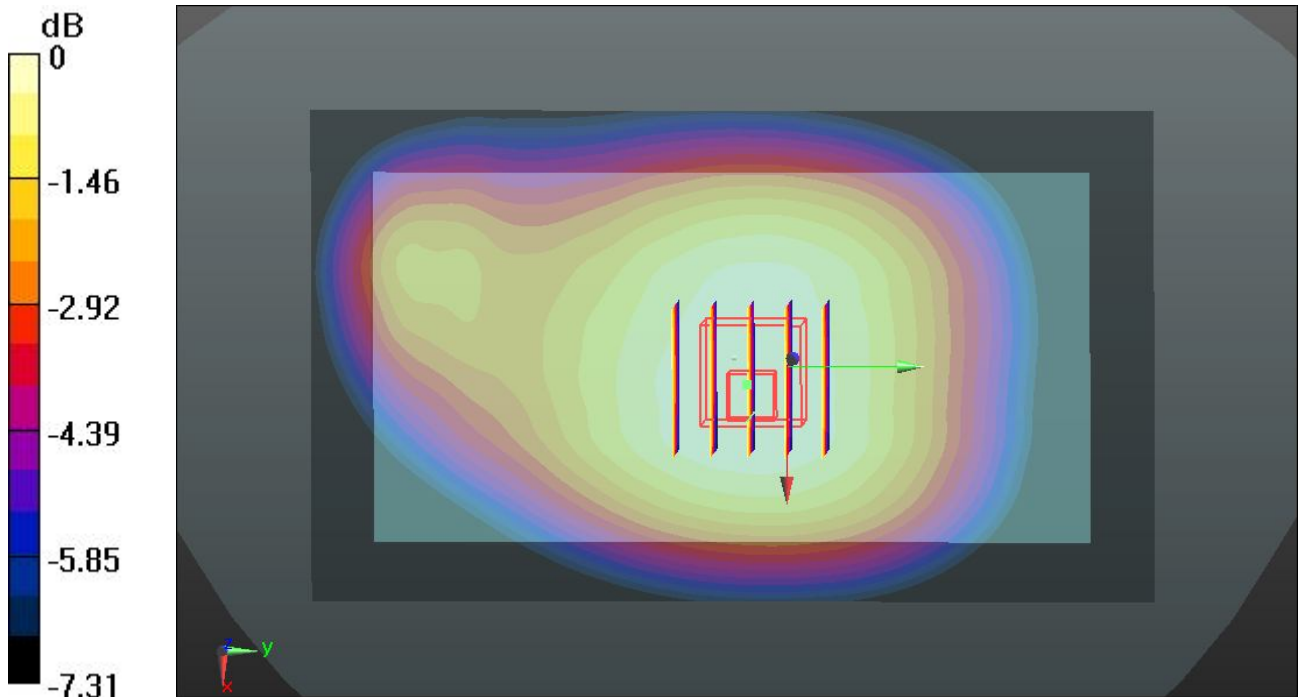
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $19.105 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.363 \text{ mW/g}$

**SAR(1 g) =  $0.292 \text{ mW/g}$ ; SAR(10 g) =  $0.229 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.332 \text{ W/kg}$



0 dB =  $0.332 \text{ W/kg}$

**#31 WCDMA Band V\_RMC 12.2K\_Back\_1cm\_Ch4132**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.959 \text{ mho/m}$ ;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.556 \text{ W/kg}$

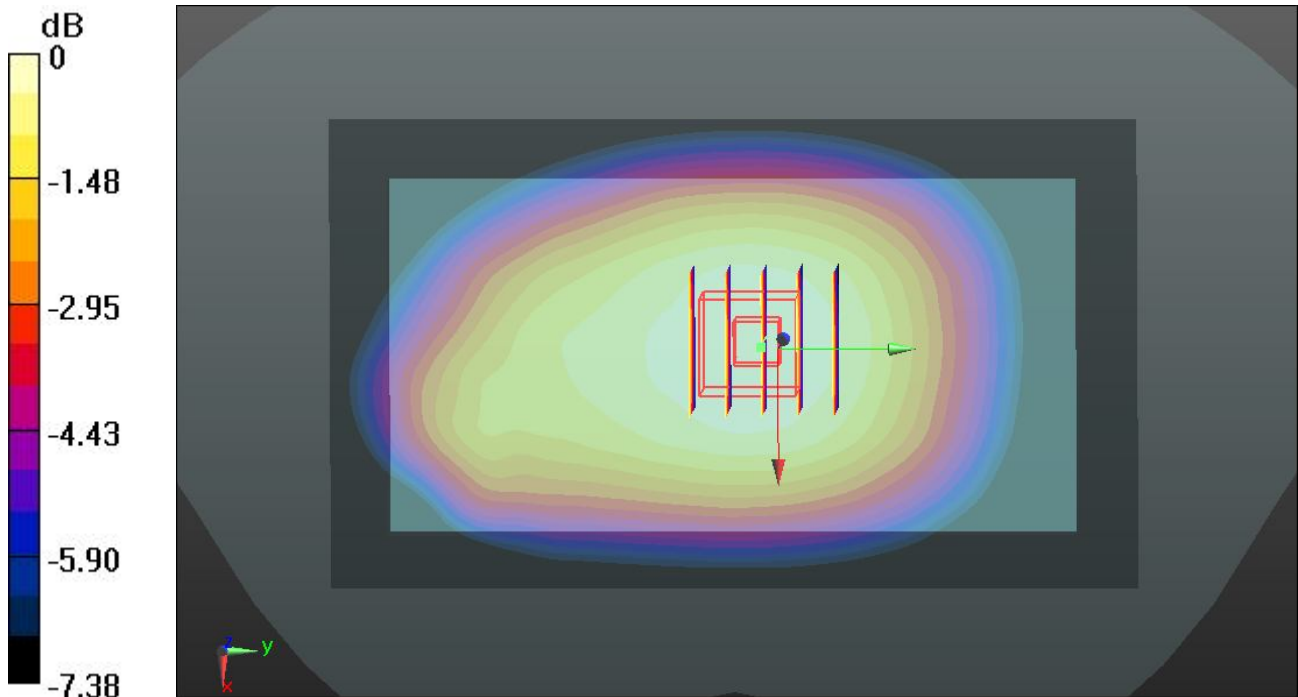
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $24.757 \text{ V/m}$ ; Power Drift =  $0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.605 \text{ mW/g}$

**SAR(1 g) =  $0.490 \text{ mW/g}$ ; SAR(10 g) =  $0.383 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.557 \text{ W/kg}$



0 dB =  $0.557 \text{ W/kg}$

**#32 WCDMA Band V\_RMC 12.2K\_Left Side\_1cm\_Ch4132**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.959 \text{ mho/m}$ ;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (41x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.353 \text{ W/kg}$

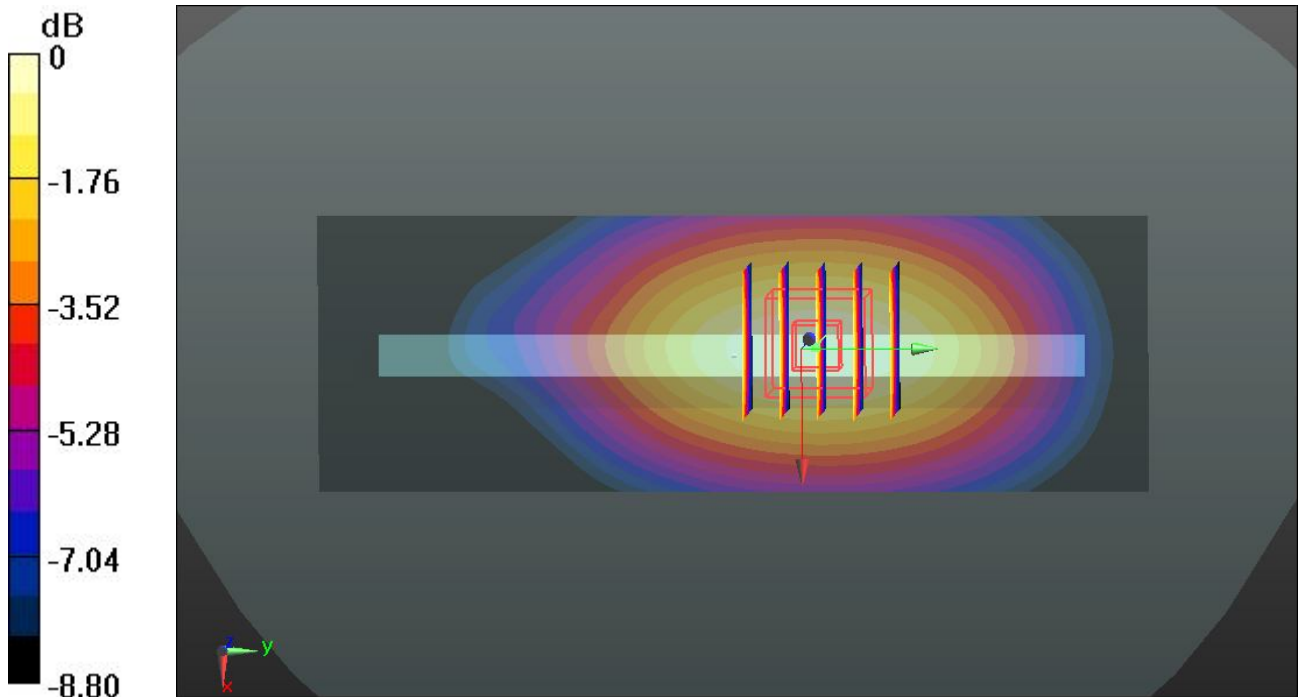
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $19.590 \text{ V/m}$ ; Power Drift =  $0.03 \text{ dB}$

Peak SAR (extrapolated) =  $0.401 \text{ mW/g}$

**SAR(1 g) =  $0.291 \text{ mW/g}$ ; SAR(10 g) =  $0.207 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.353 \text{ W/kg}$



0 dB =  $0.353 \text{ W/kg}$

**#33 WCDMA Band V\_RMC 12.2K\_Right Side\_1cm\_Ch4132**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.959 \text{ mho/m}$ ;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (41x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.332 \text{ W/kg}$

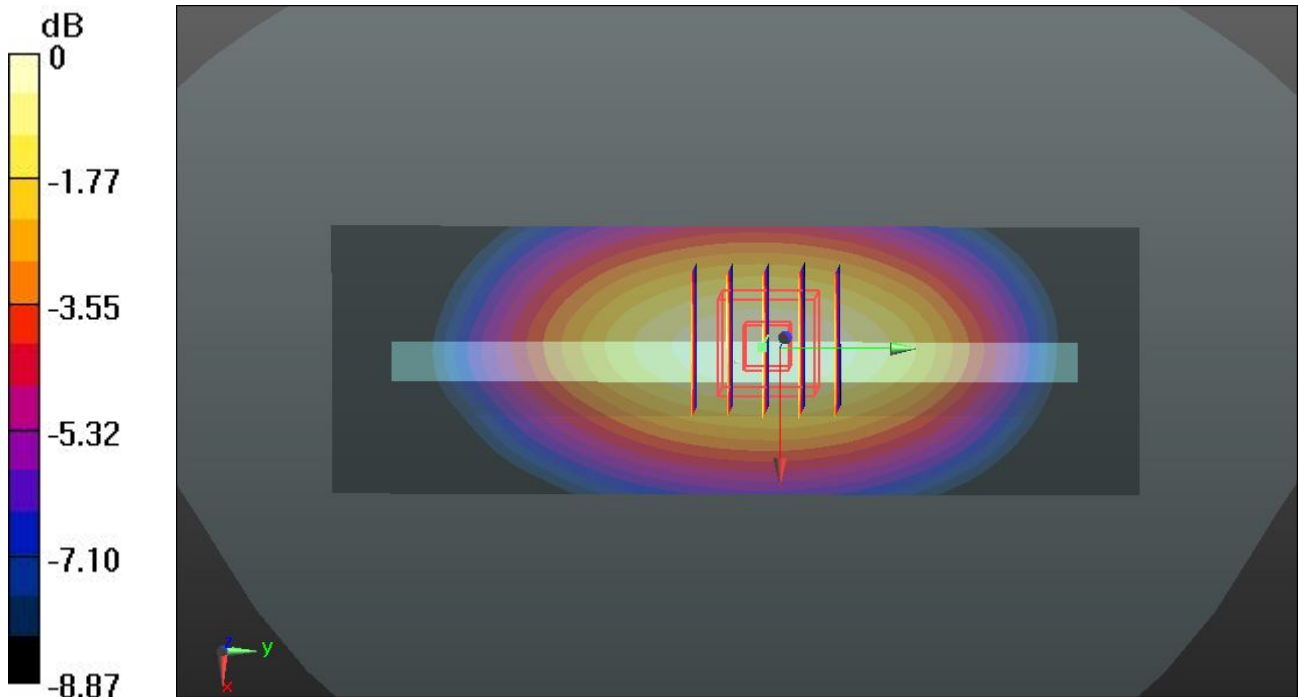
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $19.131 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.376 \text{ mW/g}$

**SAR(1 g) =  $0.273 \text{ mW/g}$ ; SAR(10 g) =  $0.193 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.331 \text{ W/kg}$



0 dB =  $0.331 \text{ W/kg}$



**#34 WCDMA Band V\_RMC 12.2K\_Bottom Side\_1cm\_Ch4132**

**DUT: 372905**

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

Medium: MSL\_835\_130803 Medium parameters used:  $f = 826.4 \text{ MHz}$ ;  $\sigma = 0.959 \text{ mho/m}$ ;  $\epsilon_r =$

$55.476$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.4 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(9.5, 9.5, 9.5); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM1; Type: QD000P40CD; Serial: TP:1670
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch4132/Area Scan (41x81x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.343 \text{ W/kg}$

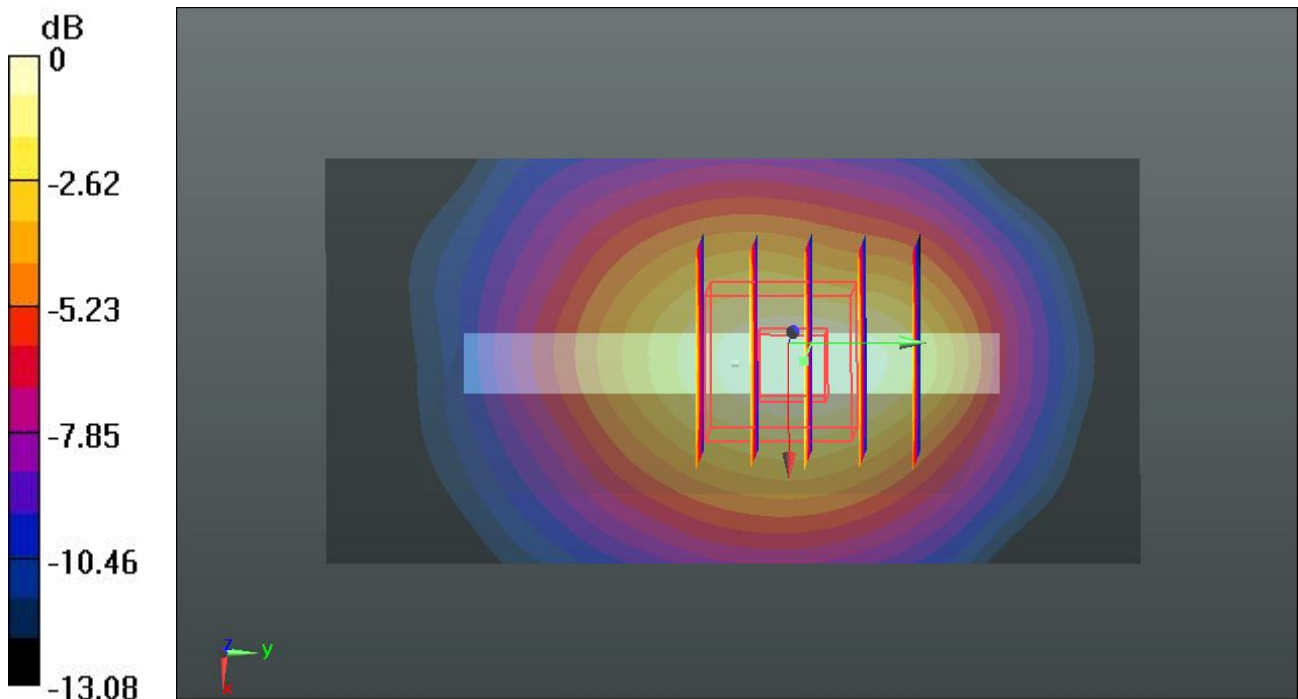
**Ch4132/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $18.761 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.409 \text{ mW/g}$

**SAR(1 g) =  $0.248 \text{ mW/g}$ ; SAR(10 g) =  $0.154 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.333 \text{ W/kg}$



0 dB =  $0.333 \text{ W/kg}$



**#42 WCDMA Band II\_RMC 12.2K\_Front\_1cm\_Ch9400**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.962 W/kg

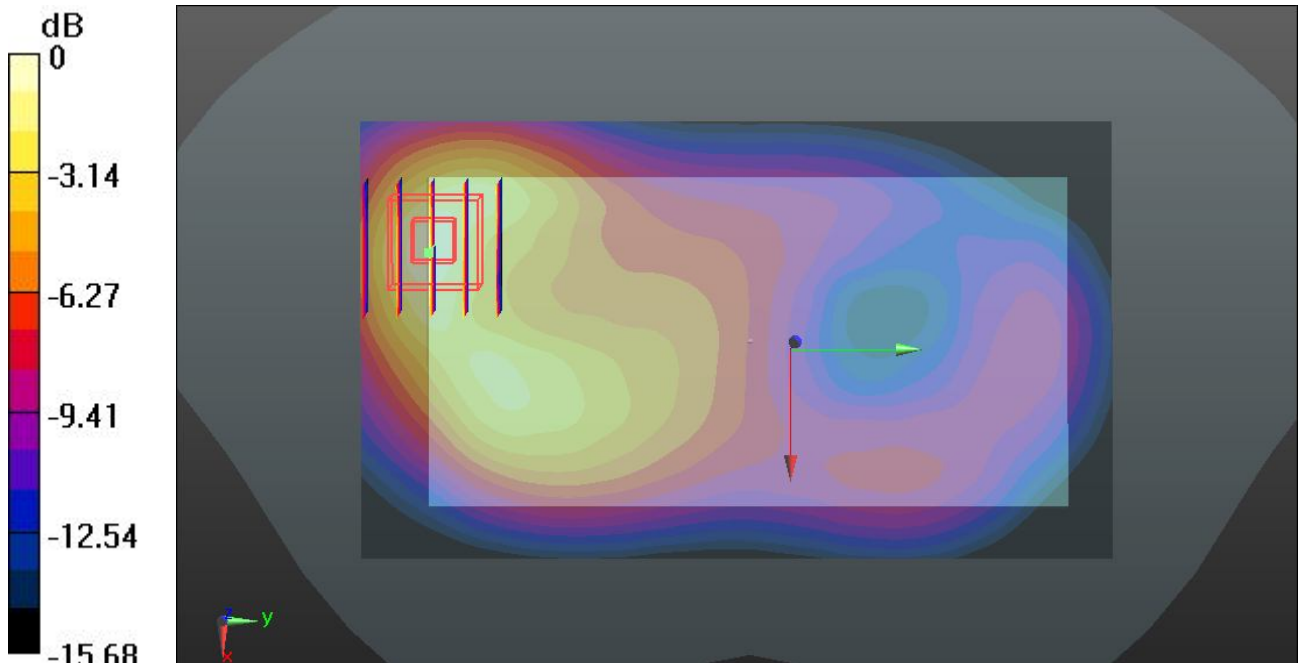
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.874 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.169 mW/g

**SAR(1 g) = 0.696 mW/g; SAR(10 g) = 0.385 mW/g**

Maximum value of SAR (measured) = 0.963 W/kg



0 dB = 0.963 W/kg

**#43 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9400**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.57 W/kg

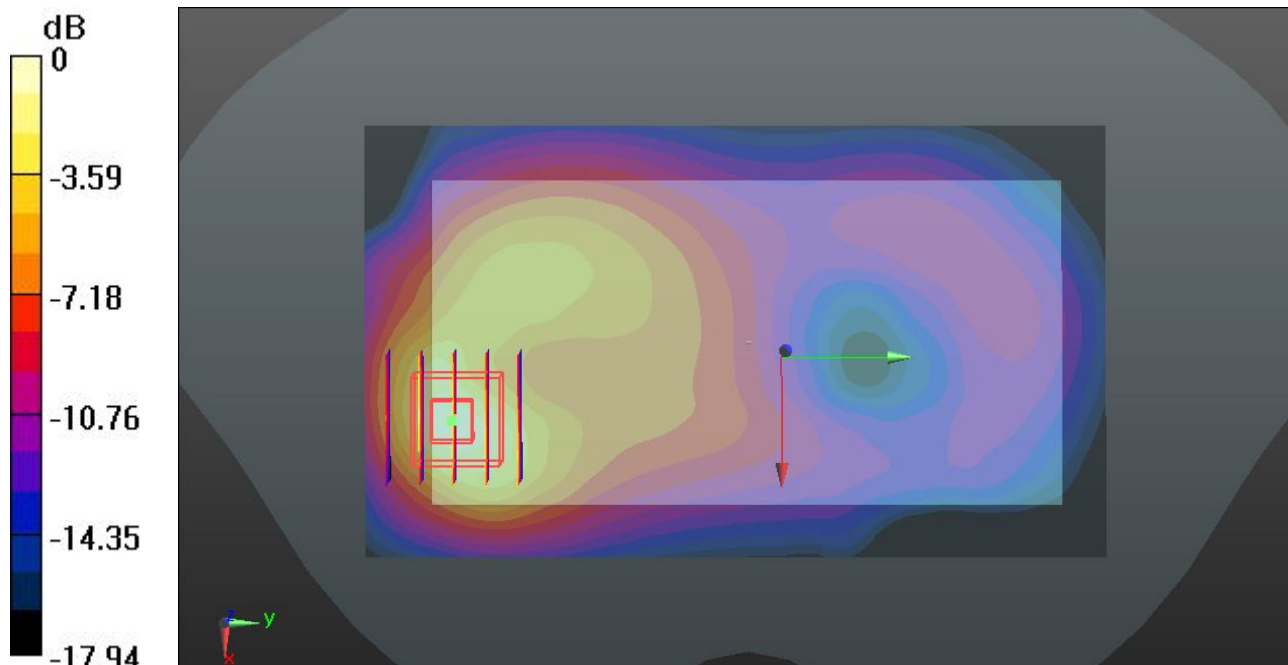
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.147 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.101 mW/g

**SAR(1 g) = 1.230 mW/g; SAR(10 g) = 0.653 mW/g**

Maximum value of SAR (measured) = 1.72 W/kg



0 dB = 1.72 W/kg

**#61 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9400\_Repeat SAR**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.58 W/kg

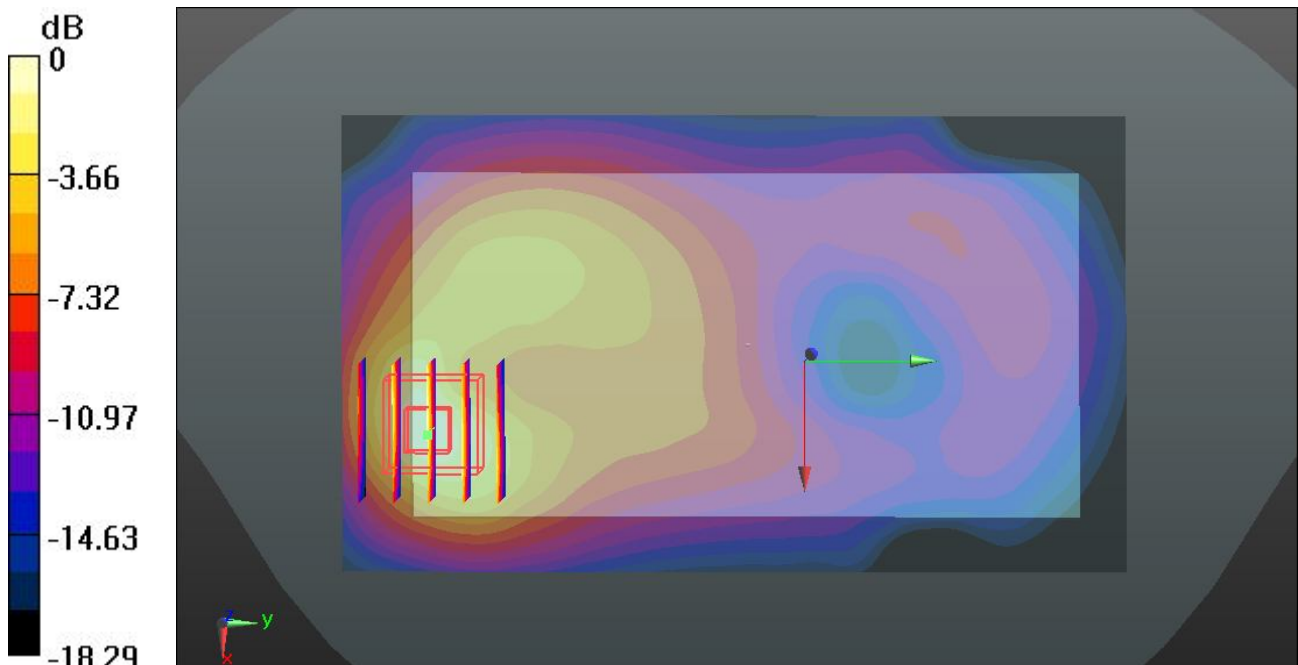
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.381 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 2.028 mW/g

**SAR(1 g) = 1.190 mW/g; SAR(10 g) = 0.631 mW/g**

Maximum value of SAR (measured) = 1.65 W/kg



0 dB = 1.65 W/kg

**#44 WCDMA Band II\_RMC 12.2K\_Left Side\_1cm\_Ch9400**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch9400/Area Scan (41x121x1):** Interpolated grid:  $dx=15$ mm,  $dy=15$ mm

Maximum value of SAR (interpolated) =  $0.275$  W/kg

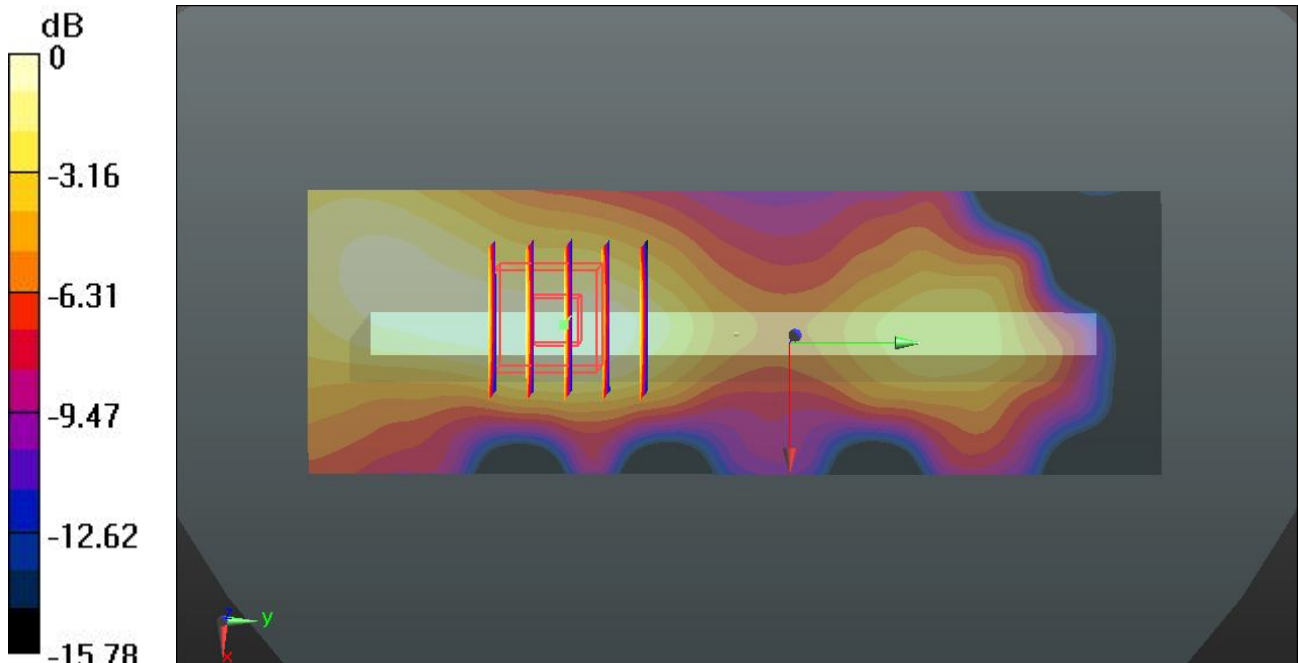
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $13.438$  V/m; Power Drift =  $0.11$  dB

Peak SAR (extrapolated) =  $0.329$  mW/g

**SAR(1 g) =  $0.204$  mW/g; SAR(10 g) =  $0.122$  mW/g**

Maximum value of SAR (measured) =  $0.270$  W/kg



0 dB =  $0.270$  W/kg

**#45 WCDMA Band II\_RMC 12.2K\_Right Side\_1cm\_Ch9400**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch9400/Area Scan (41x121x1):** Interpolated grid: dx=15mm, dy=15mm

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

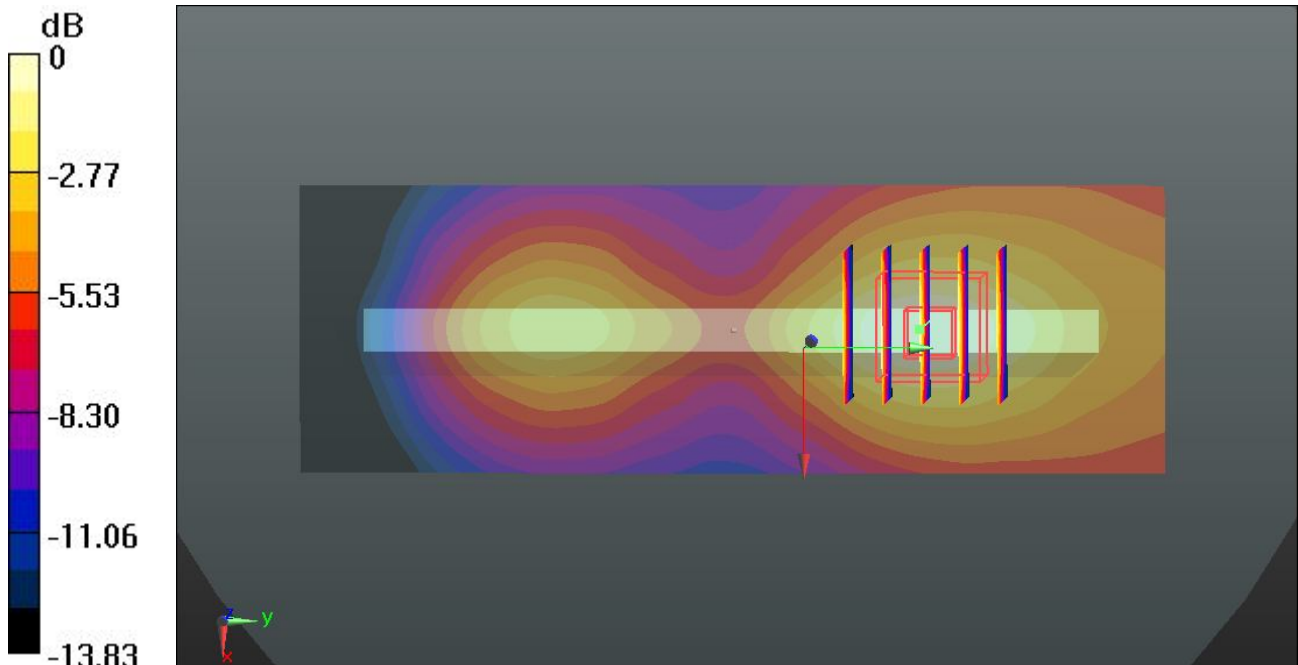
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.977 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.369 mW/g

**SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.140 mW/g**

Maximum value of SAR (measured) = 0.304 W/kg



0 dB = 0.304 W/kg

### #46 WCDMA Band II\_RMC 12.2K\_Bottom Side\_1cm\_Ch9400

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

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

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

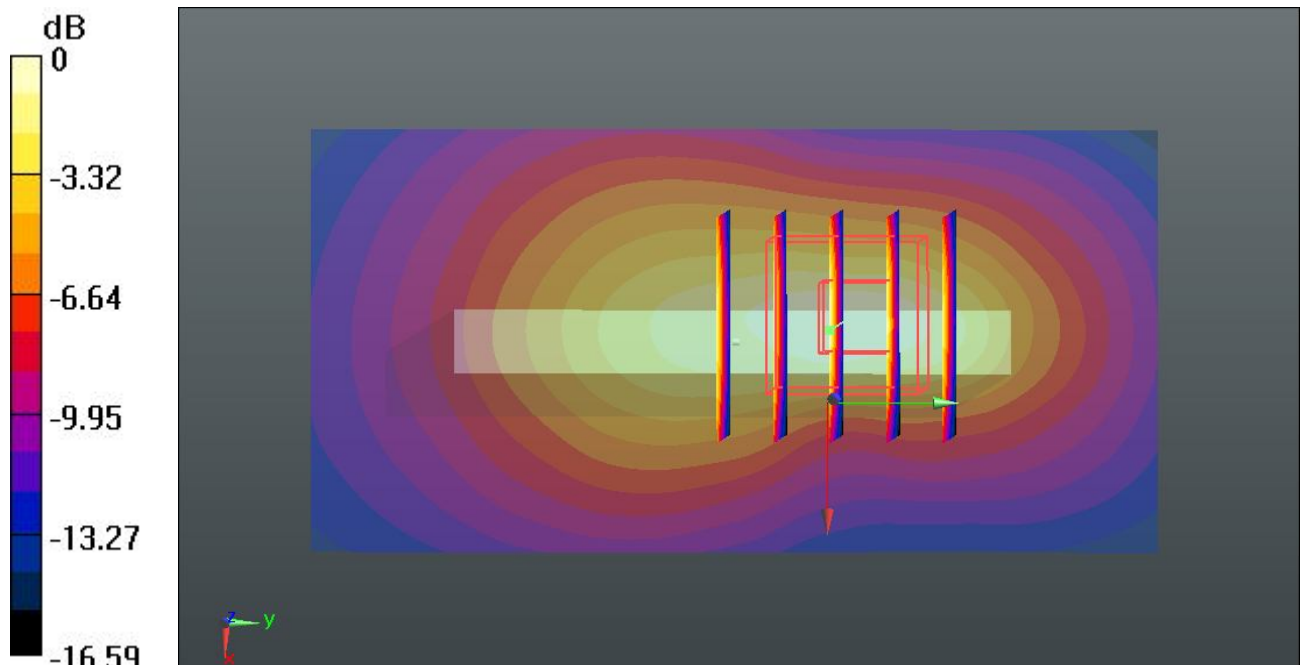
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.545 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.380 mW/g

**SAR(1 g) = 0.789 mW/g; SAR(10 g) = 0.416 mW/g**

Maximum value of SAR (measured) = 1.08 W/kg



0 dB = 1.08 W/kg



**#47 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9262**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.506 \text{ mho/m}$ ;  $\epsilon_r =$

$52.067$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9262/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.14 \text{ W/kg}$

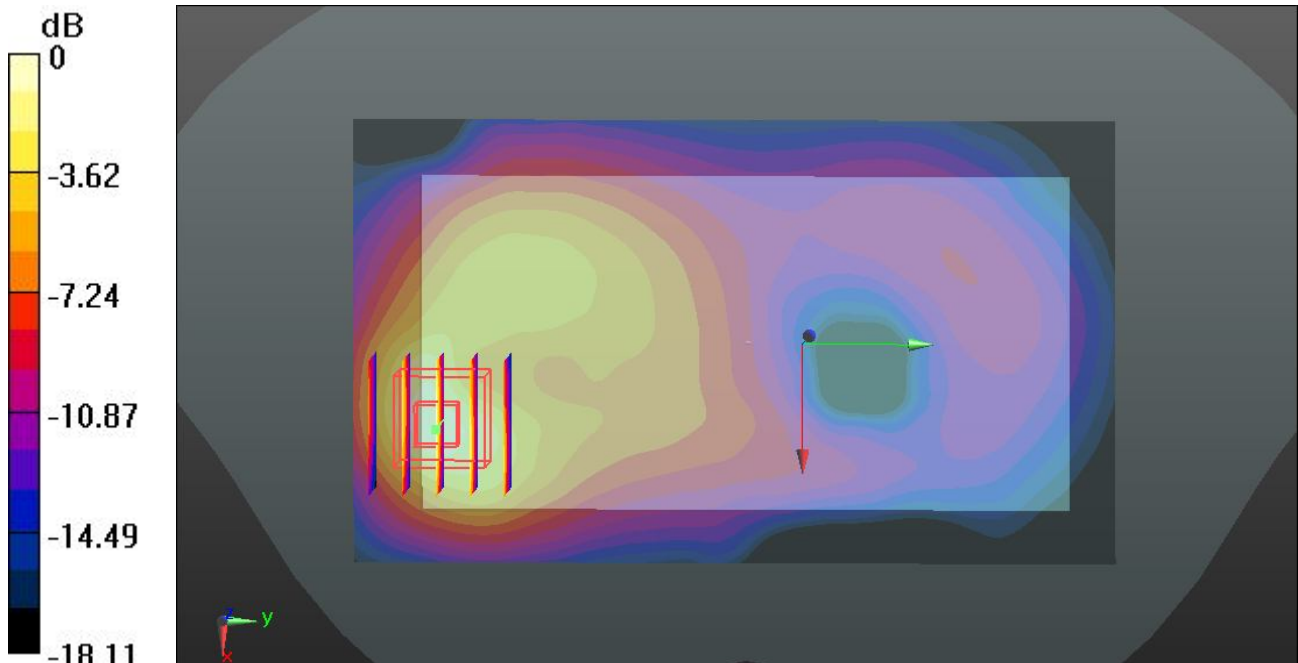
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $27.930 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $1.460 \text{ mW/g}$

**SAR(1 g) =  $0.859 \text{ mW/g}$ ; SAR(10 g) =  $0.462 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.19 \text{ W/kg}$



0 dB =  $1.19 \text{ W/kg}$



**#48 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9538**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.579 \text{ mho/m}$ ;  $\epsilon_r =$

$51.777$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9538/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.54 \text{ W/kg}$

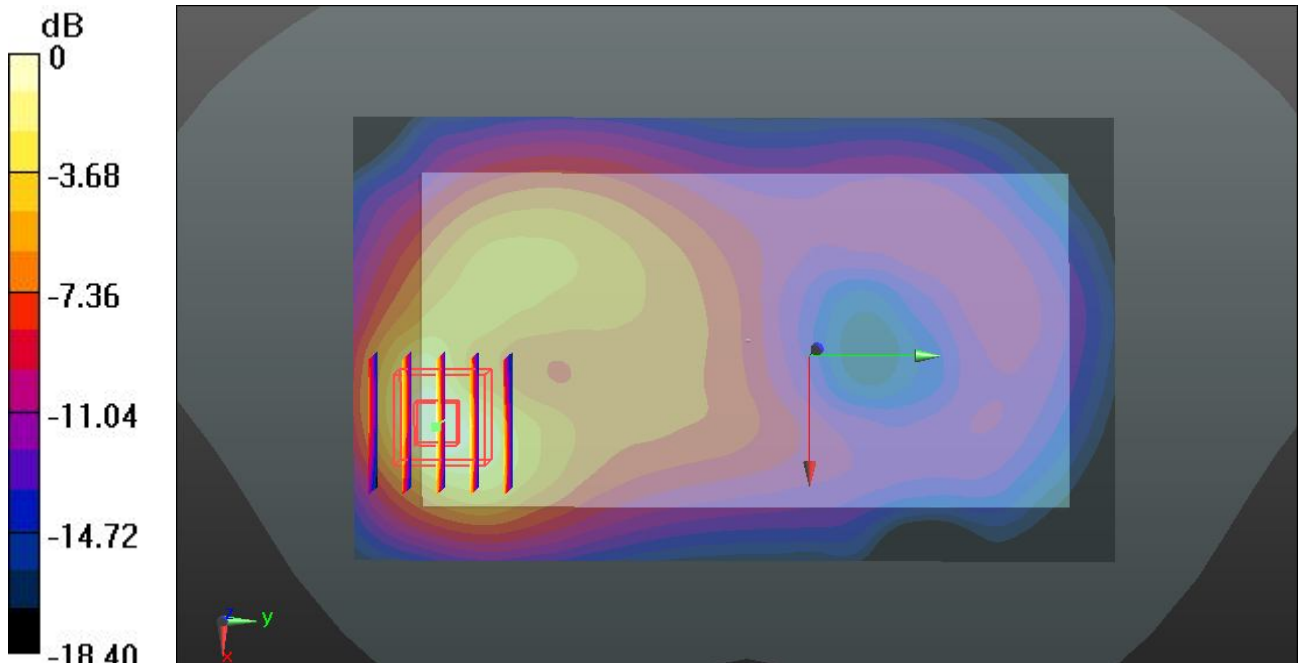
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $31.798 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$

Peak SAR (extrapolated) =  $2.002 \text{ mW/g}$

**SAR(1 g) =  $1.160 \text{ mW/g}$ ; SAR(10 g) =  $0.615 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.62 \text{ W/kg}$



0 dB =  $1.62 \text{ W/kg}$

**#49 WCDMA Band II\_RMC 12.2K\_Bottom Side\_1cm\_Ch9262**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.506 \text{ mho/m}$ ;  $\epsilon_r =$

$52.067$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9262/Area Scan (41x81x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.790 \text{ W/kg}$

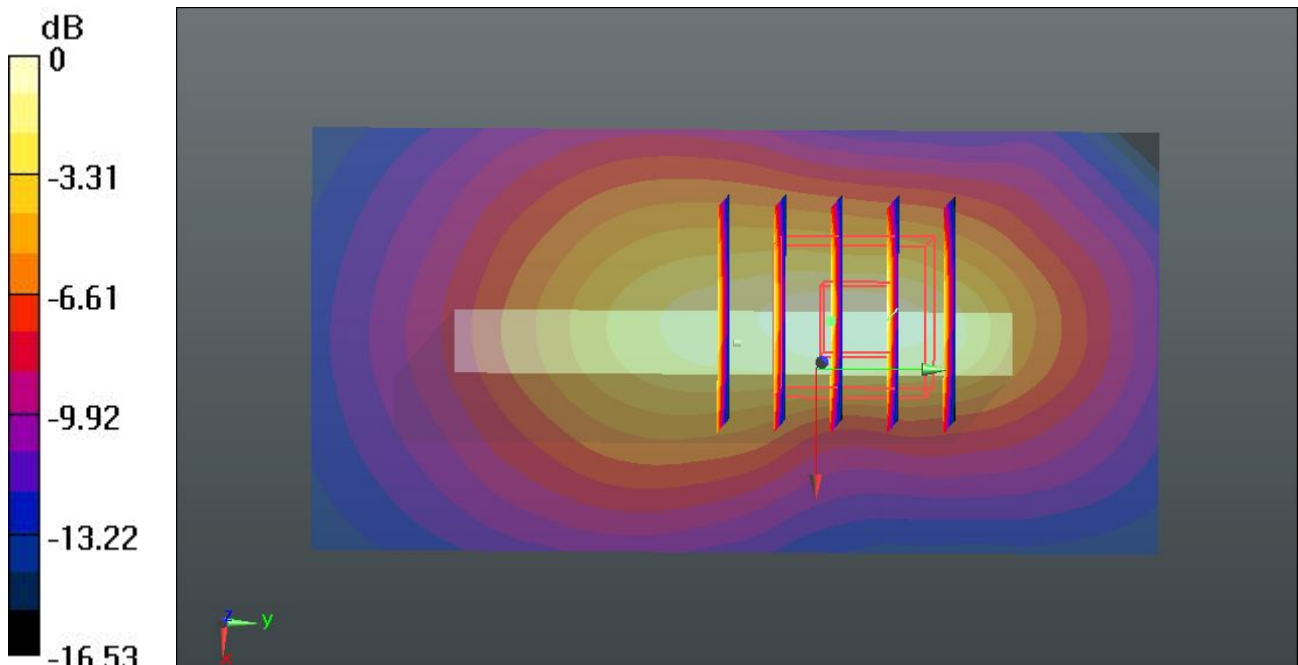
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $23.852 \text{ V/m}$ ; Power Drift =  $0.05 \text{ dB}$

Peak SAR (extrapolated) =  $1.019 \text{ mW/g}$

**SAR(1 g) =  $0.586 \text{ mW/g}$ ; SAR(10 g) =  $0.310 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.810 \text{ W/kg}$



0 dB =  $0.810 \text{ W/kg}$

**#50 WCDMA Band II\_RMC 12.2K\_Bottom Side\_1cm\_Ch9538**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.579 \text{ mho/m}$ ;  $\epsilon_r =$

$51.777$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9538/Area Scan (41x81x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $0.993 \text{ W/kg}$

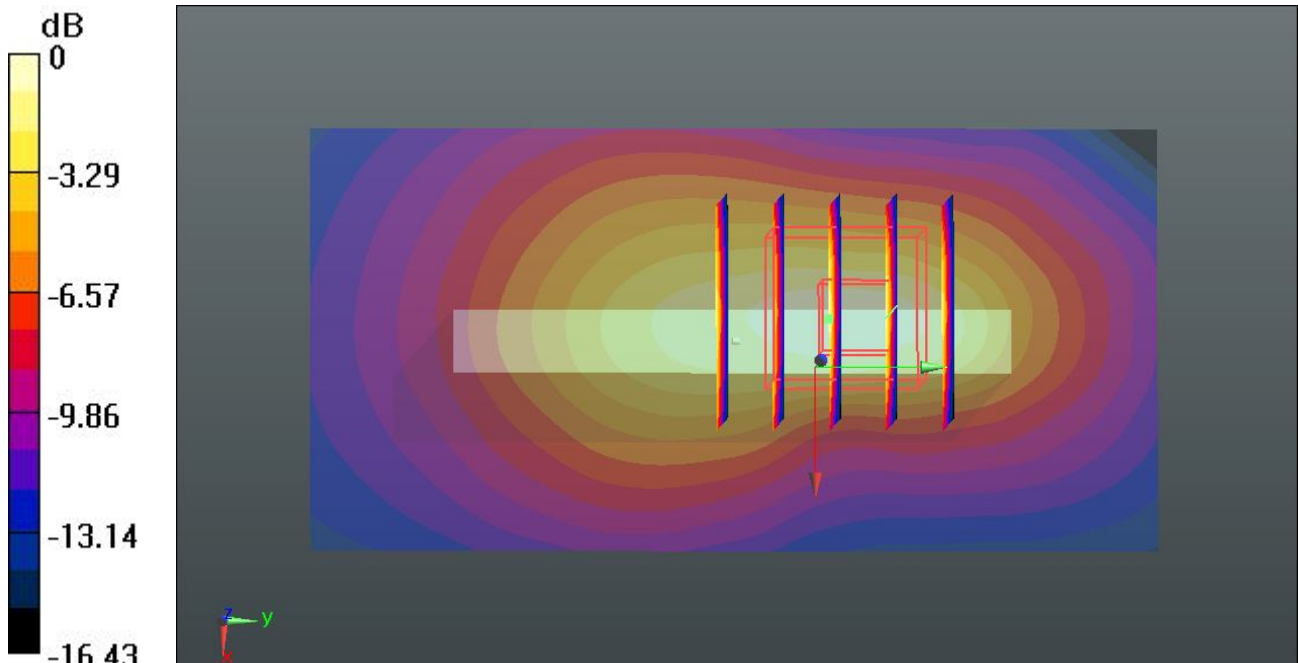
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $26.146 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $1.285 \text{ mW/g}$

**SAR(1 g) =  $0.730 \text{ mW/g}$ ; SAR(10 g) =  $0.385 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.01 \text{ W/kg}$



0 dB =  $1.01 \text{ W/kg}$

### #62 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9400\_Headset

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

$51.947$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.6$  °C ; Liquid Temperature :  $22.7$  °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.77 W/kg

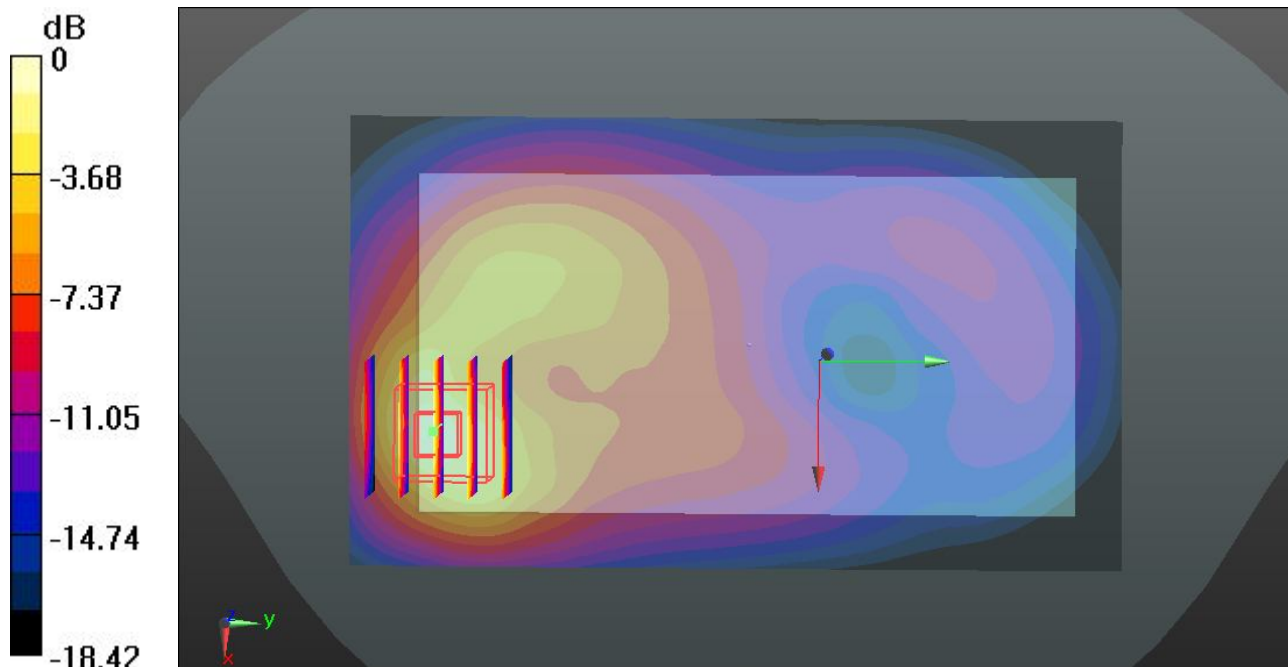
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.774 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.371 mW/g

**SAR(1 g) = 1.200 mW/g; SAR(10 g) = 0.609 mW/g**

Maximum value of SAR (measured) = 1.91 W/kg



0 dB = 1.91 W/kg

**#63 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9262\_Headset**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.506 \text{ mho/m}$ ;  $\epsilon_r =$

$52.067$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9262/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.28 \text{ W/kg}$

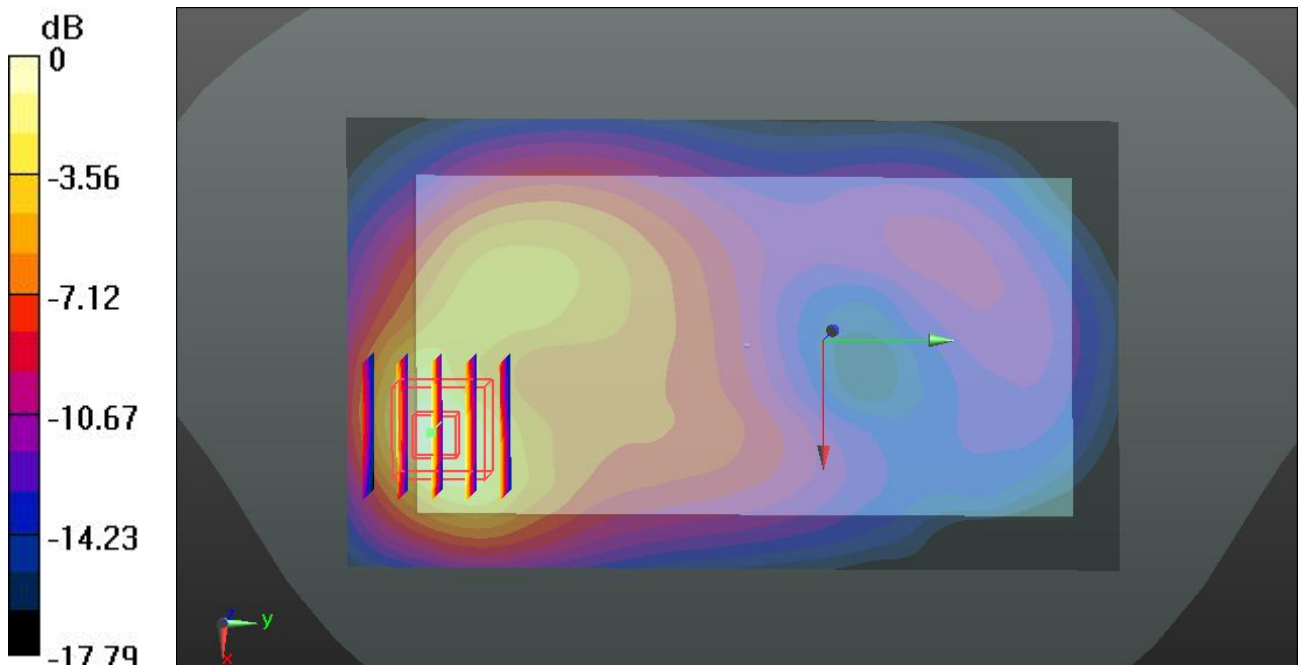
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $29.812 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$

Peak SAR (extrapolated) =  $1.681 \text{ mW/g}$

**SAR(1 g) =  $0.840 \text{ mW/g}$ ; SAR(10 g) =  $0.501 \text{ mW/g}$**

Maximum value of SAR (measured) =  $1.37 \text{ W/kg}$



0 dB =  $1.37 \text{ W/kg}$

**#64 WCDMA Band II\_RMC 12.2K\_Back\_1cm\_Ch9538\_Headset**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.579 \text{ mho/m}$ ;  $\epsilon_r =$

$51.777$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9538/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $1.57 \text{ W/kg}$

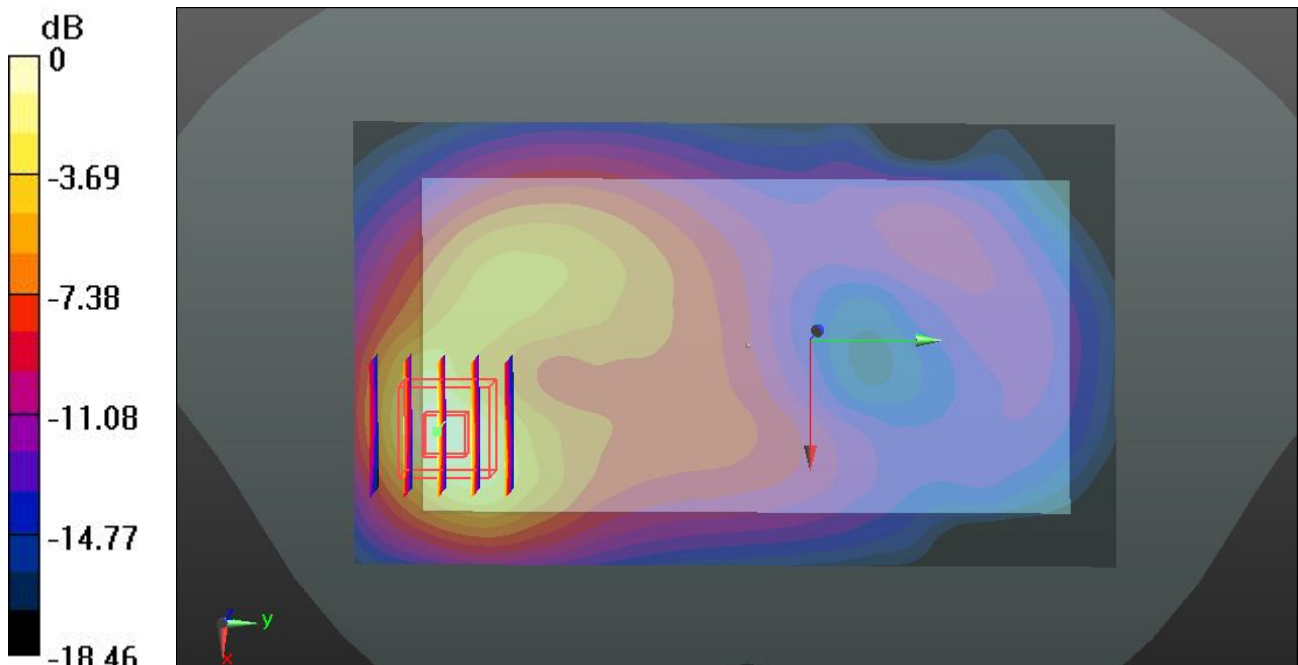
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $32.384 \text{ V/m}$ ; Power Drift =  $-0.06 \text{ dB}$

Peak SAR (extrapolated) =  $2.114 \text{ mW/g}$

**SAR(1 g) =  $1.110 \text{ mW/g}$ ; SAR(10 g) =  $0.614 \text{ mW/g}$**

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



0 dB =  $1.69 \text{ W/kg}$



**#51 WCDMA Band II\_RMC 12.2K\_Back\_0cm\_Ch9400\_Hand SAR**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.544$  mho/m;  $\epsilon_r =$

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

Ambient Temperature : 23.6 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

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

**Ch9400/Area Scan (71x121x1):** Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 9.82 W/kg

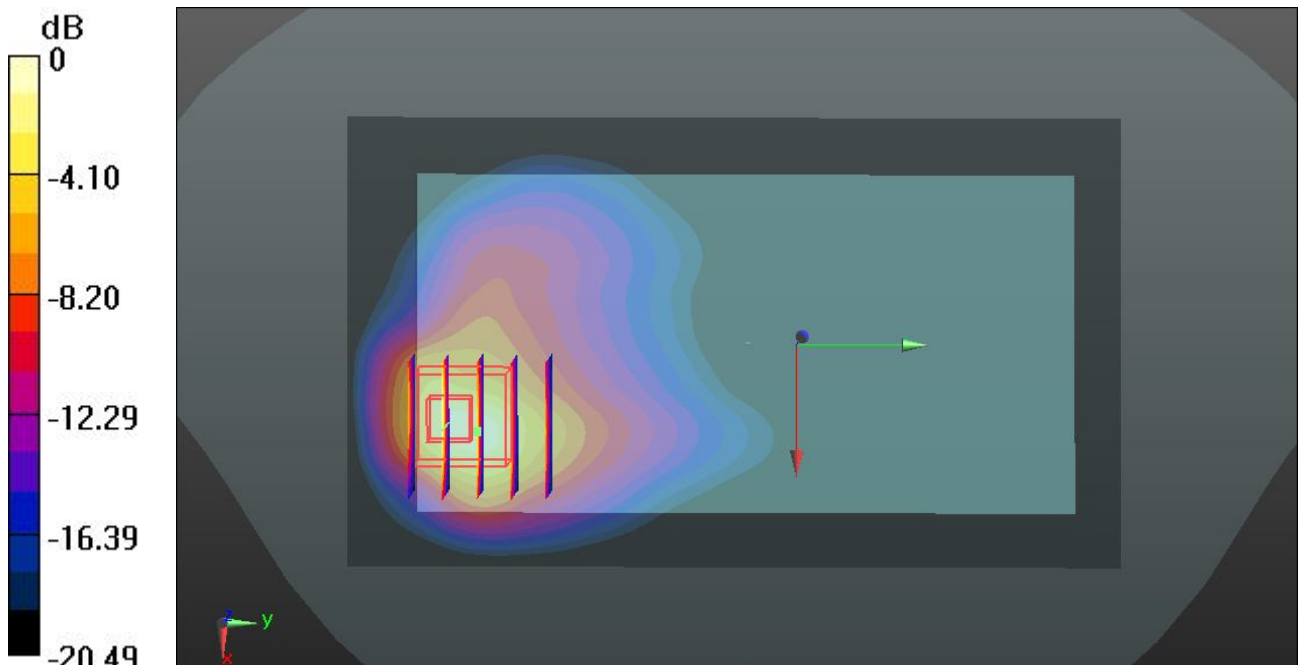
**Ch9400/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.338 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 16.430 mW/g

**SAR(1 g) = 7.26 mW/g; SAR(10 g) = 3.17 mW/g**

Maximum value of SAR (measured) = 10.9 W/kg



0 dB = 10.9 W/kg



### #52 WCDMA Band II\_RMC 12.2K\_Back\_0cm\_Ch9262\_Hand SAR

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1852.4 \text{ MHz}$ ;  $\sigma = 1.506 \text{ mho/m}$ ;  $\epsilon_r =$

$52.067$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9262/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $8.81 \text{ W/kg}$

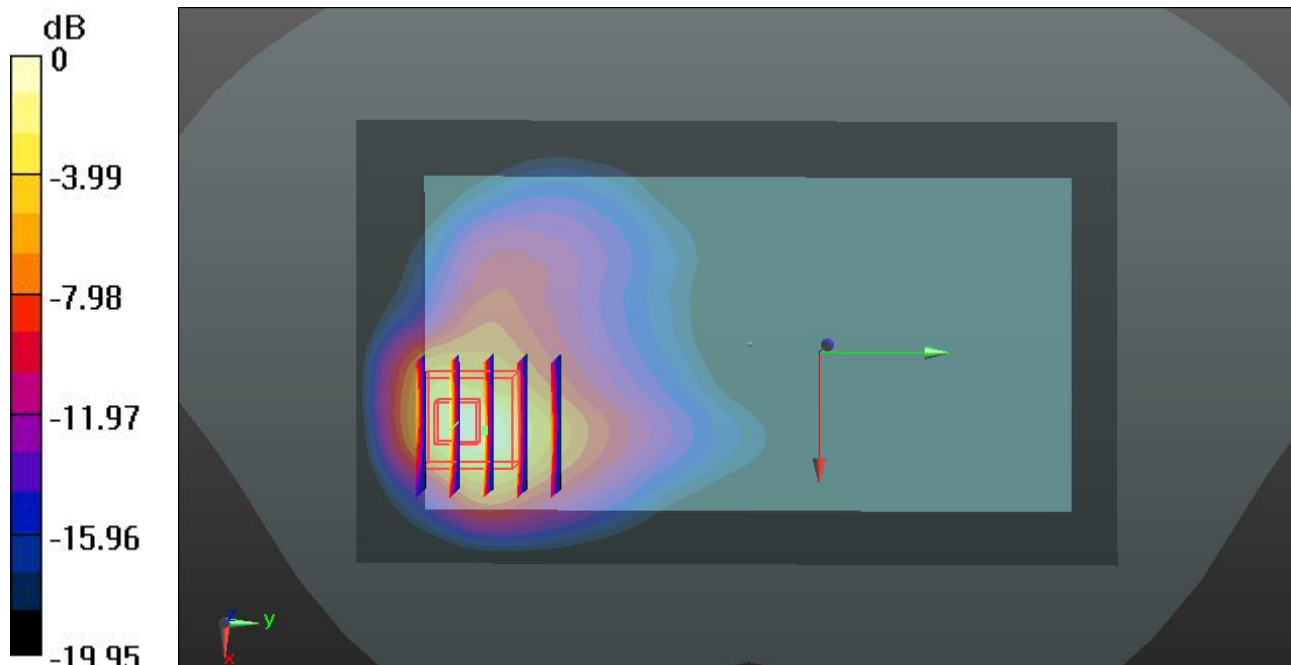
**Ch9262/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $82.045 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $14.360 \text{ mW/g}$

**SAR(1 g) =  $6.38 \text{ mW/g}$ ; SAR(10 g) =  $2.83 \text{ mW/g}$**

Maximum value of SAR (measured) =  $9.57 \text{ W/kg}$



0 dB =  $9.57 \text{ W/kg}$

**#53 WCDMA Band II\_RMC 12.2K\_Back\_0cm\_Ch9538\_Hand SAR**

**DUT: 372905**

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

Medium: MSL\_1900\_130806 Medium parameters used:  $f = 1908 \text{ MHz}$ ;  $\sigma = 1.579 \text{ mho/m}$ ;  $\epsilon_r =$

$51.777$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.7 \text{ }^\circ\text{C}$

DASY5 Configuration:

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

**Ch9538/Area Scan (71x121x1):** Interpolated grid:  $dx=15\text{mm}$ ,  $dy=15\text{mm}$

Maximum value of SAR (interpolated) =  $9.09 \text{ W/kg}$

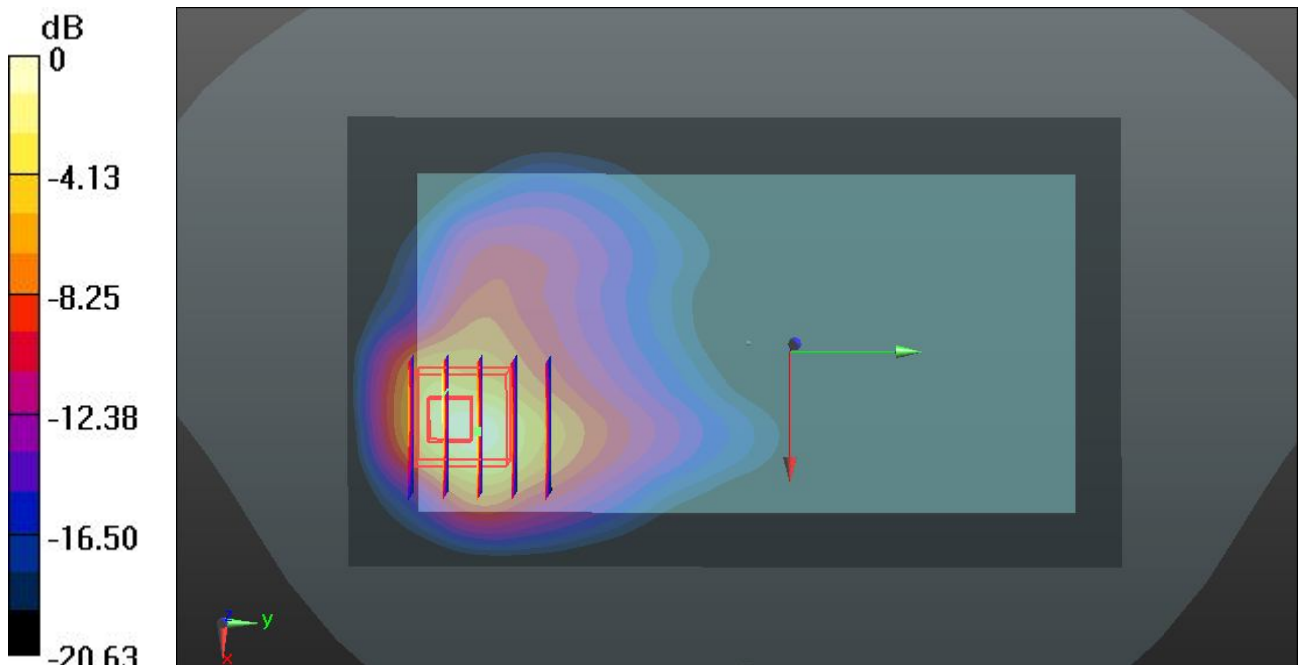
**Ch9538/Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $81.863 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $15.068 \text{ mW/g}$

**SAR(1 g) =  $6.69 \text{ mW/g}$ ; SAR(10 g) =  $2.89 \text{ mW/g}$**

Maximum value of SAR (measured) =  $10.2 \text{ W/kg}$



0 dB =  $10.2 \text{ W/kg}$

### #105 WLAN 2.4GHz\_802.11b\_Front\_1cm\_Ch11

**DUT: 372905**

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

Medium: MSL\_2450\_130803 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.964$  mho/m;  $\epsilon_r =$

$51.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C ; Liquid Temperature :  $22.6$  °C

DASY5 Configuration:

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

**Ch11/Area Scan (91x151x1):** Interpolated grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (interpolated) =  $0.0654$  W/kg

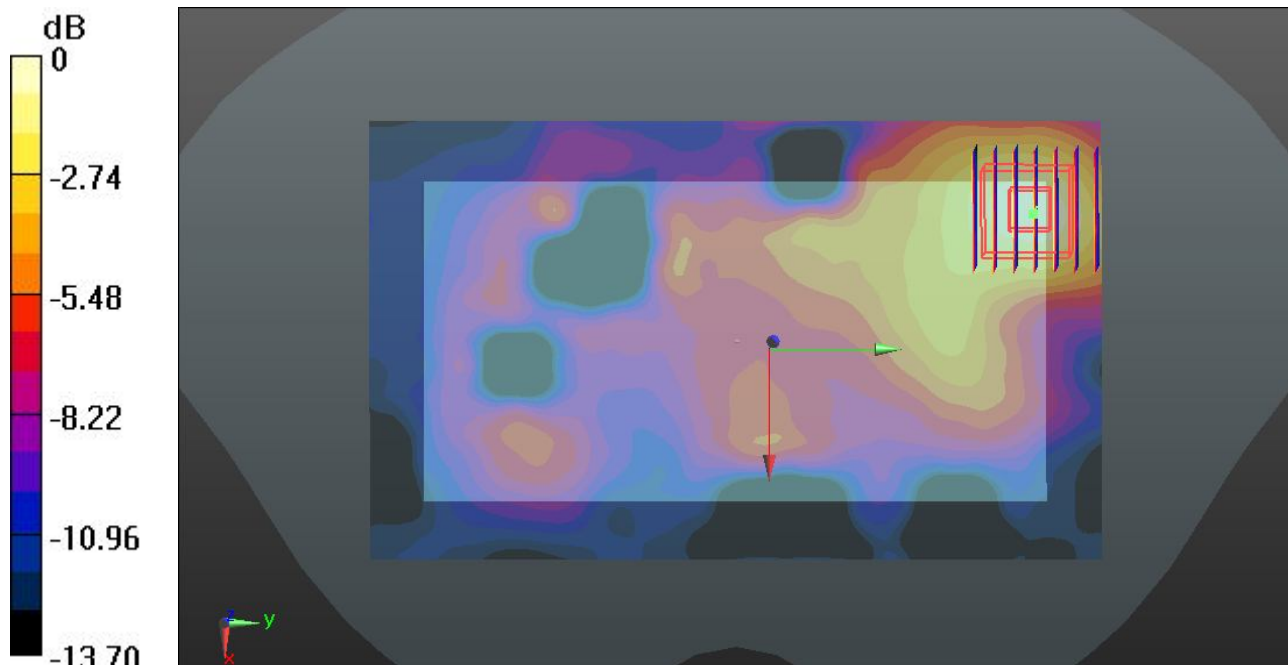
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value =  $5.794$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $0.090$  mW/g

**SAR(1 g) =  $0.046$  mW/g; SAR(10 g) =  $0.025$  mW/g**

Maximum value of SAR (measured) =  $0.0662$  W/kg



0 dB =  $0.0662$  W/kg

**#106 WLAN 2.4GHz\_802.11b\_Back\_1cm\_Ch11**

**DUT: 372905**

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

Medium: MSL\_2450\_130803 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.964 \text{ mho/m}$ ;  $\epsilon_r = 51.623$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (91x151x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.456 \text{ W/kg}$

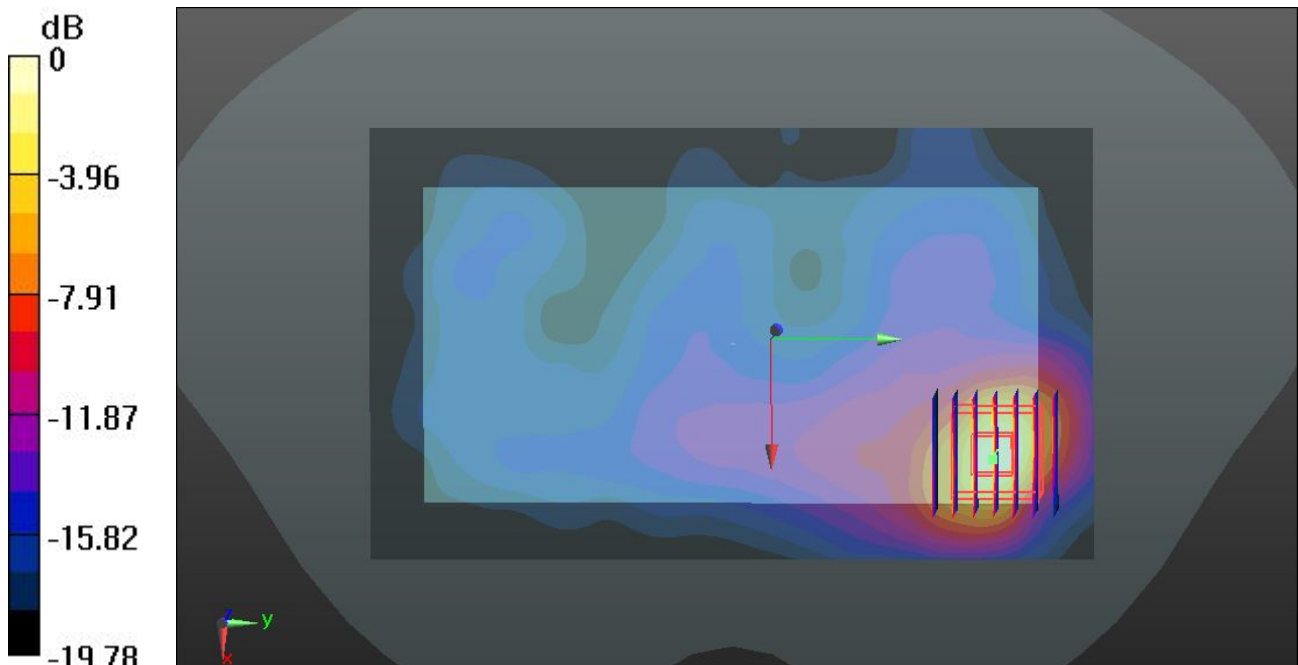
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $15.805 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.683 \text{ mW/g}$

**SAR(1 g) =  $0.303 \text{ mW/g}$ ; SAR(10 g) =  $0.123 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.480 \text{ W/kg}$



0 dB =  $0.480 \text{ W/kg}$

### #107 WLAN 2.4GHz\_802.11b\_Top Side\_1cm\_Ch11

**DUT: 372905**

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

Medium: MSL\_2450\_130803 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.964 \text{ mho/m}$ ;  $\epsilon_r =$

$51.623$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (51x101x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.111 \text{ W/kg}$

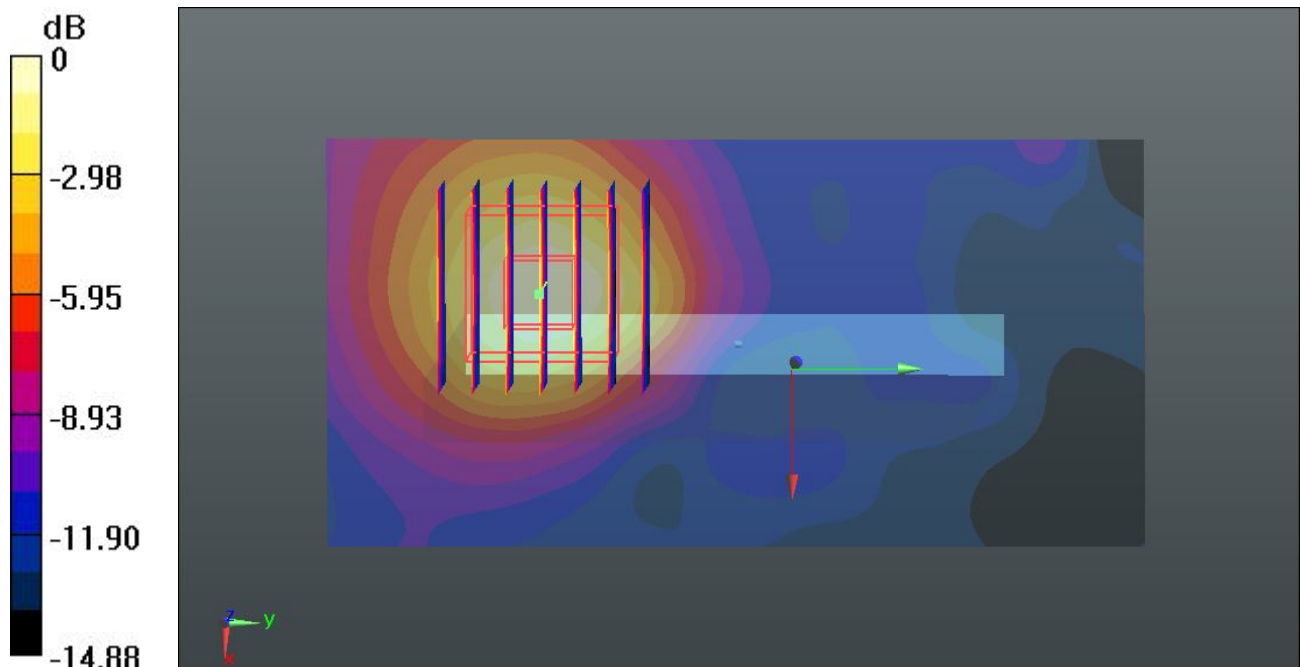
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $7.481 \text{ V/m}$ ; Power Drift =  $-0.05 \text{ dB}$

Peak SAR (extrapolated) =  $0.145 \text{ mW/g}$

**SAR(1 g) =  $0.073 \text{ mW/g}$ ; SAR(10 g) =  $0.037 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.107 \text{ W/kg}$



0 dB =  $0.107 \text{ W/kg}$

**#108 WLAN 2.4GHz\_802.11b\_Left Side\_1cm\_Ch11**

**DUT: 372905**

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

Medium: MSL\_2450\_130803 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.964$  mho/m;  $\epsilon_r =$

$51.623$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature :  $23.2$  °C ; Liquid Temperature :  $22.6$  °C

DASY5 Configuration:

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

**Ch11/Area Scan (51x161x1):** Interpolated grid:  $dx=12$ mm,  $dy=12$ mm

Maximum value of SAR (interpolated) =  $0.0582$  W/kg

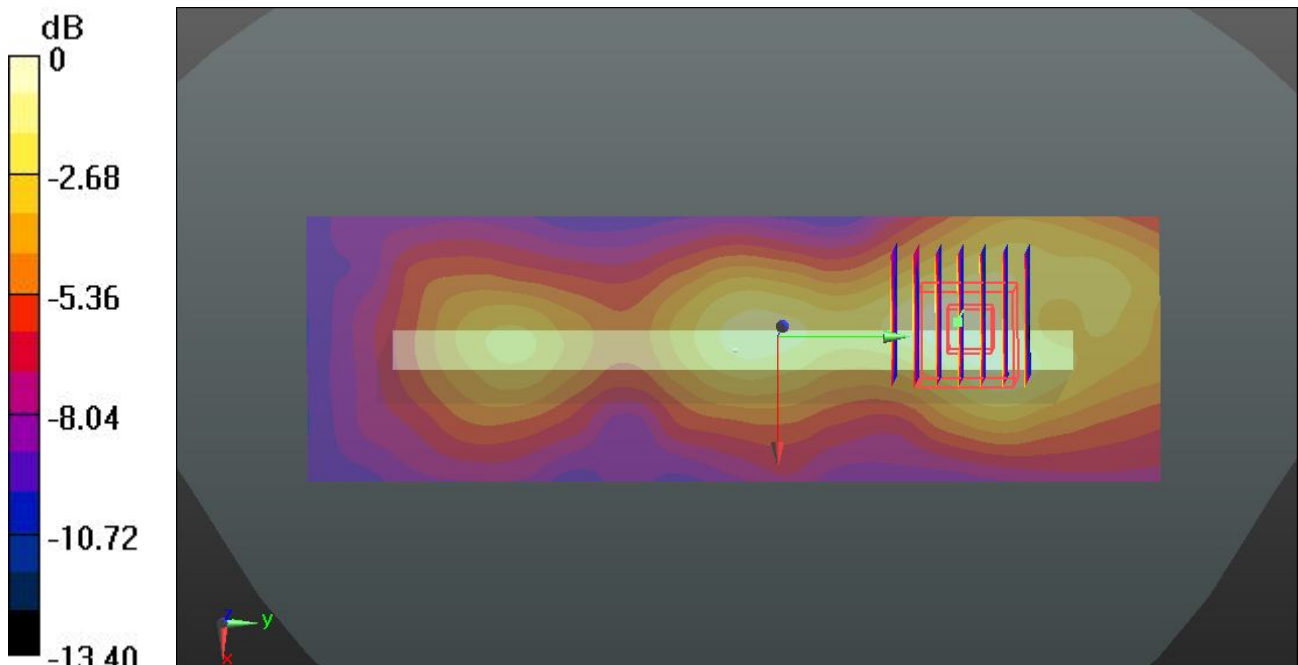
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5$ mm,  $dy=5$ mm,  $dz=5$ mm

Reference Value =  $5.737$  V/m; Power Drift =  $-0.04$  dB

Peak SAR (extrapolated) =  $0.180$  mW/g

**SAR(1 g) =  $0.041$  mW/g; SAR(10 g) =  $0.020$  mW/g**

Maximum value of SAR (measured) =  $0.0576$  W/kg



0 dB =  $0.0576$  W/kg

**#109 WLAN 2.4GHz\_802.11b\_Back\_1cm\_Ch11\_Headset**

**DUT: 372905**

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

Medium: MSL\_2450\_130803 Medium parameters used:  $f = 2462 \text{ MHz}$ ;  $\sigma = 1.964 \text{ mho/m}$ ;  $\epsilon_r =$

$51.623$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $23.2 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $22.6 \text{ }^\circ\text{C}$

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: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

**Ch11/Area Scan (91x151x1):** Interpolated grid:  $dx=12\text{mm}$ ,  $dy=12\text{mm}$

Maximum value of SAR (interpolated) =  $0.201 \text{ W/kg}$

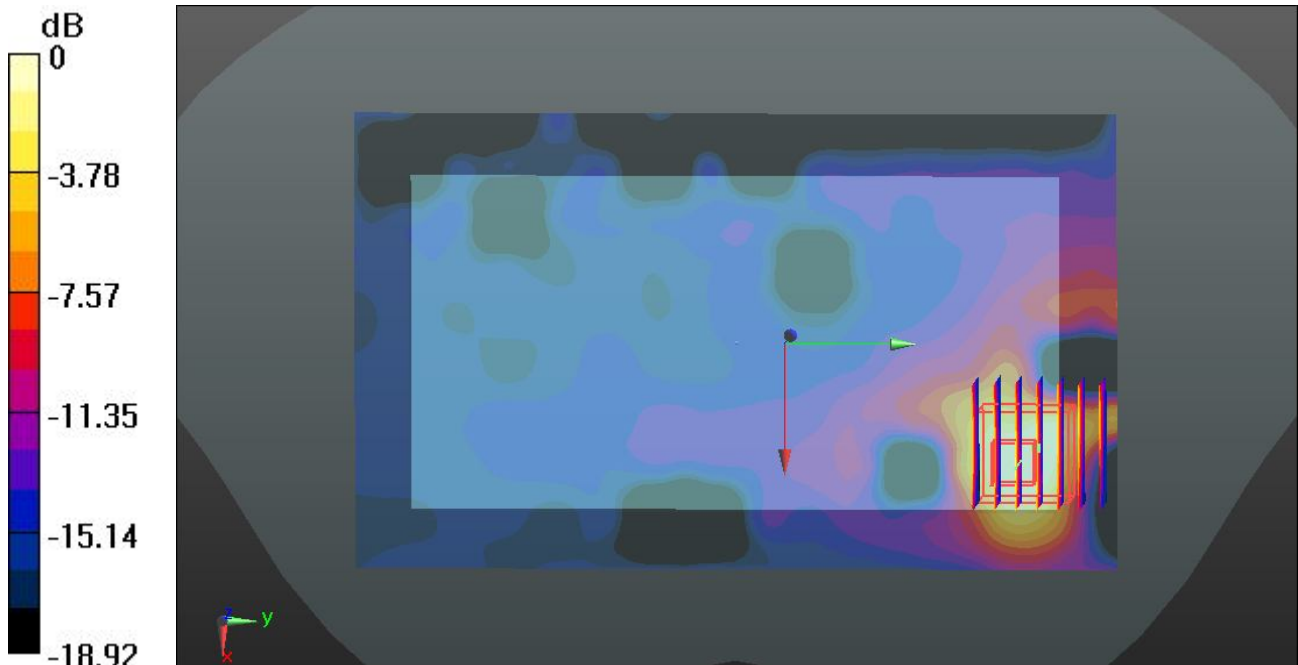
**Ch11/Zoom Scan (7x7x7)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $8.341 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $0.231 \text{ mW/g}$

**SAR(1 g) =  $0.103 \text{ mW/g}$ ; SAR(10 g) =  $0.047 \text{ mW/g}$**

Maximum value of SAR (measured) =  $0.165 \text{ W/kg}$



0 dB =  $0.165 \text{ W/kg}$