



Appendix A. Plots of System Performance Check

The plots are shown as follows.

System Check_Body_835MHz_130321**DUT: D835V2 - SN: 4d091**

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

Medium: MSL_835_130321 Medium parameters used: $f = 835$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 56.499$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 2.64 W/kg

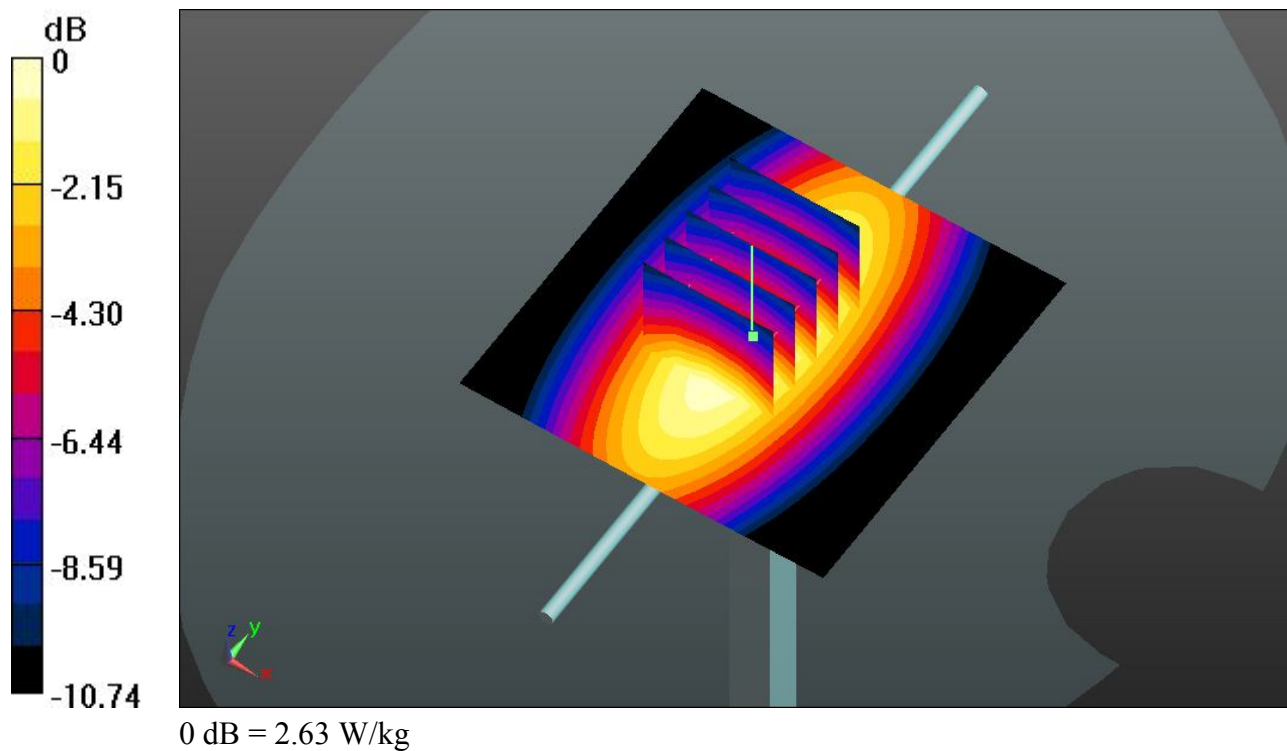
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 52.277 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 3.583 mW/g

SAR(1 g) = 2.45 mW/g; SAR(10 g) = 1.62 mW/g

Maximum value of SAR (measured) = 2.63 W/kg



System Check_Body_1900MHz_130321**DUT: D1900V2 - SN: 5d118**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.543$ mho/m; $\epsilon_r =$

52.519; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 15.0 W/kg

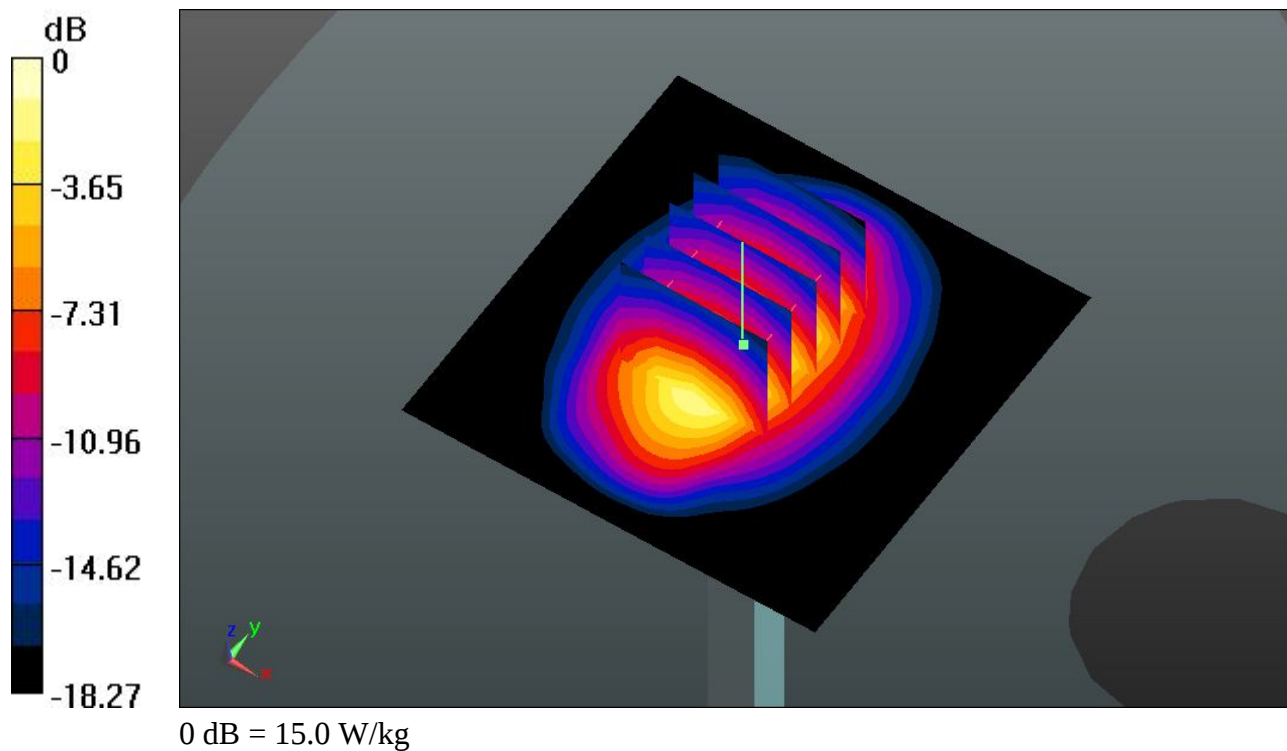
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 86.965 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 18.988 mW/g

SAR(1 g) = 10.5 mW/g; SAR(10 g) = 5.44 mW/g

Maximum value of SAR (measured) = 15.0 W/kg



System Check_Body_1900MHz_130409**DUT: D1900V2 - SN: 5d118**

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

Medium: MSL_1900_130409 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.528$ mho/m; $\epsilon_r =$

53.974; $\rho = 1000$ kg/m³

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

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

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

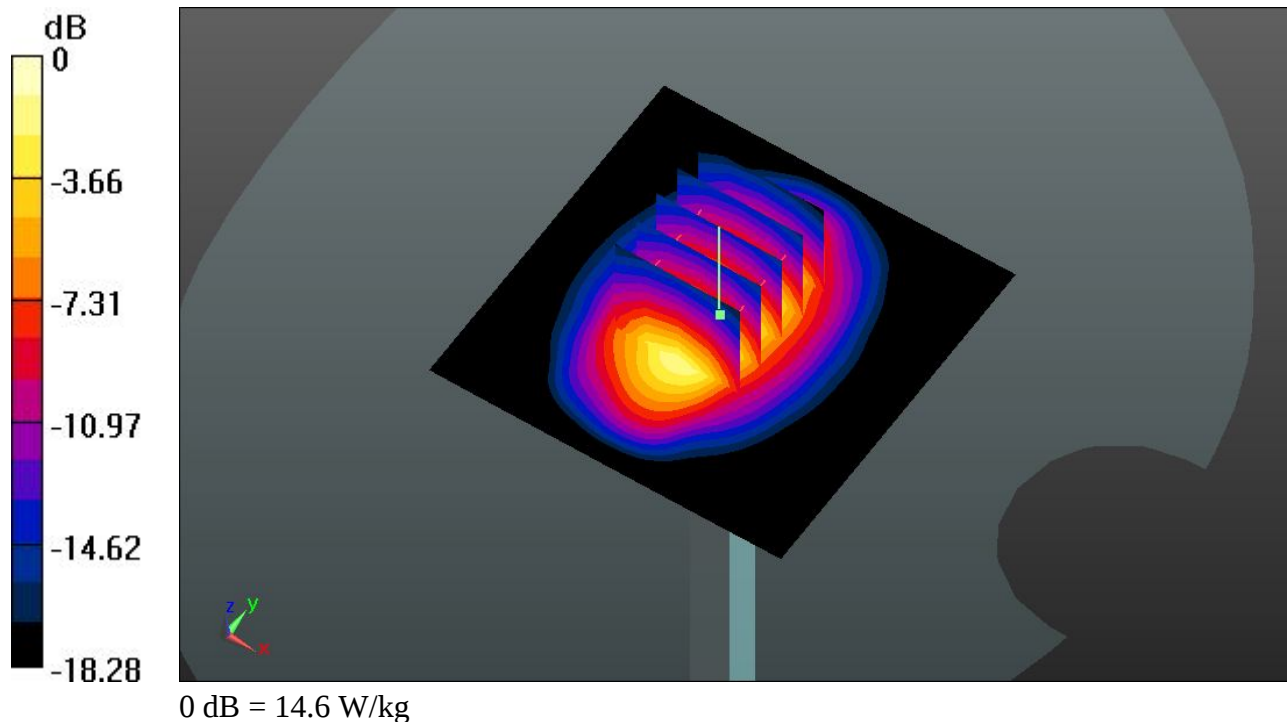
Pin=250mW/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

Peak SAR (extrapolated) = 18.448 mW/g

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

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



System Check_Body_2450MHz_130411**DUT: D2450V2 - SN: 736**

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.949$ mho/m; $\epsilon_r =$

53.894; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 20.6 W/kg

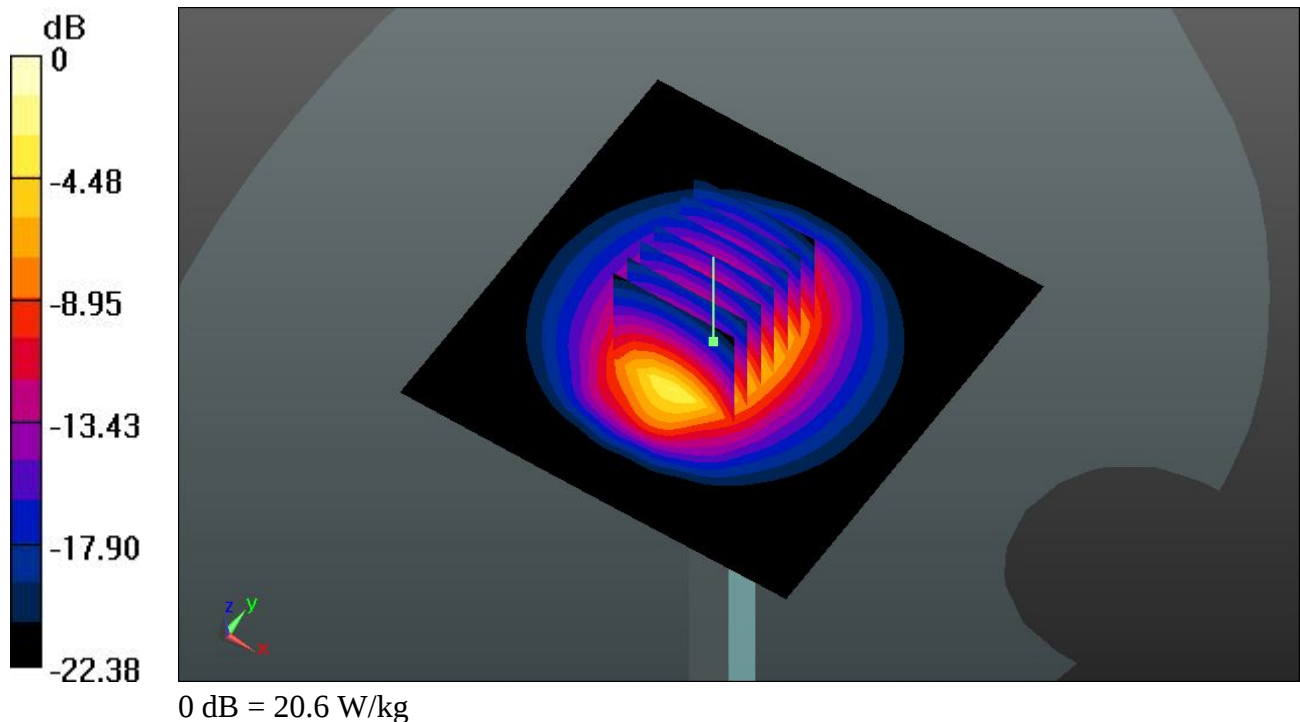
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 87.992 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 28.185 mW/g

SAR(1 g) = 13.4 mW/g; SAR(10 g) = 6.14 mW/g

Maximum value of SAR (measured) = 20.6 W/kg



System Check_Body_2450MHz_130425**DUT: D2450V2 - SN: 736**

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

Medium: MSL_2450_130425 Medium parameters used: $f = 2450$ MHz; $\sigma = 1.992$ mho/m; $\epsilon_r =$

52.319; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Pin=250mW/Area Scan (71x71x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 19.4 W/kg

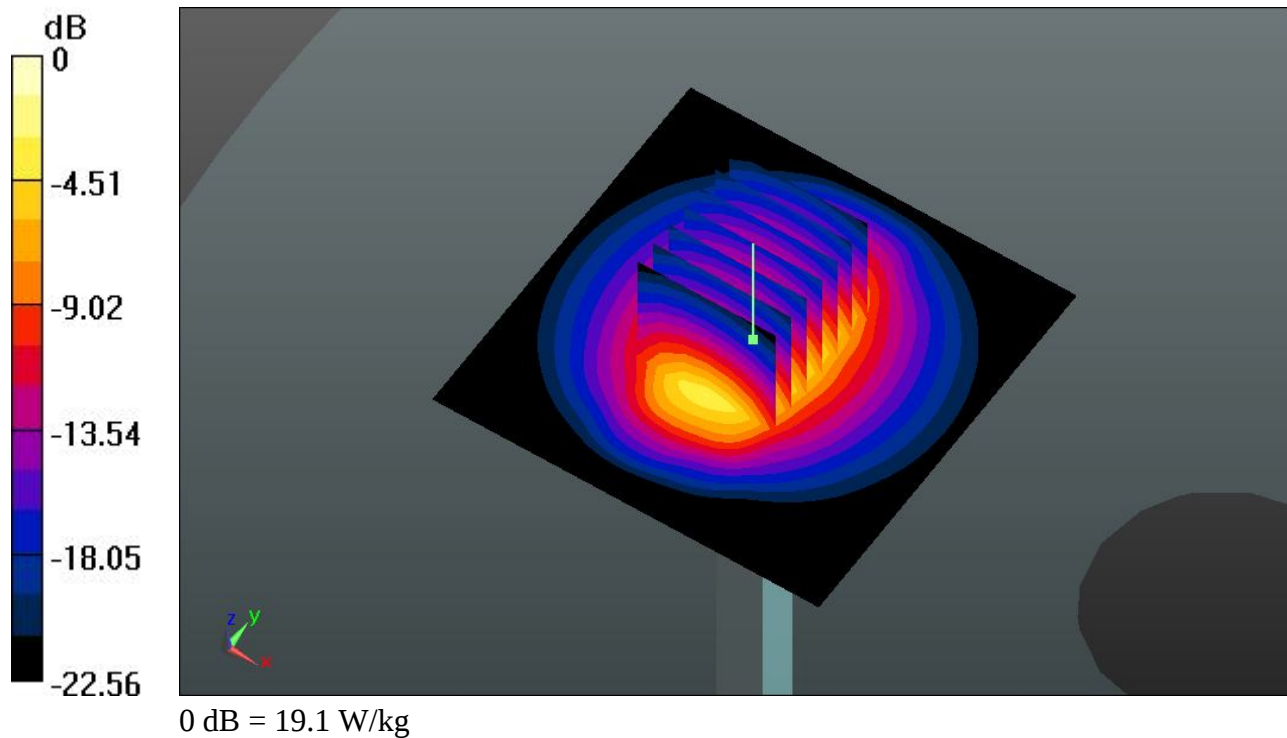
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 84.257 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 26.137 mW/g

SAR(1 g) = 12.4 mW/g; SAR(10 g) = 5.66 mW/g

Maximum value of SAR (measured) = 19.1 W/kg



System Check_Body_2600MHz_130411**DUT: D2600V2 - SN: 1008**

Communication System: CW; Frequency: 2600 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2600$ MHz; $\sigma = 2.165$ mho/m; $\epsilon_r =$

53.823; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); Calibrated: 26.11.2012;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=250mW/Area Scan (61x61x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 25.3 W/kg

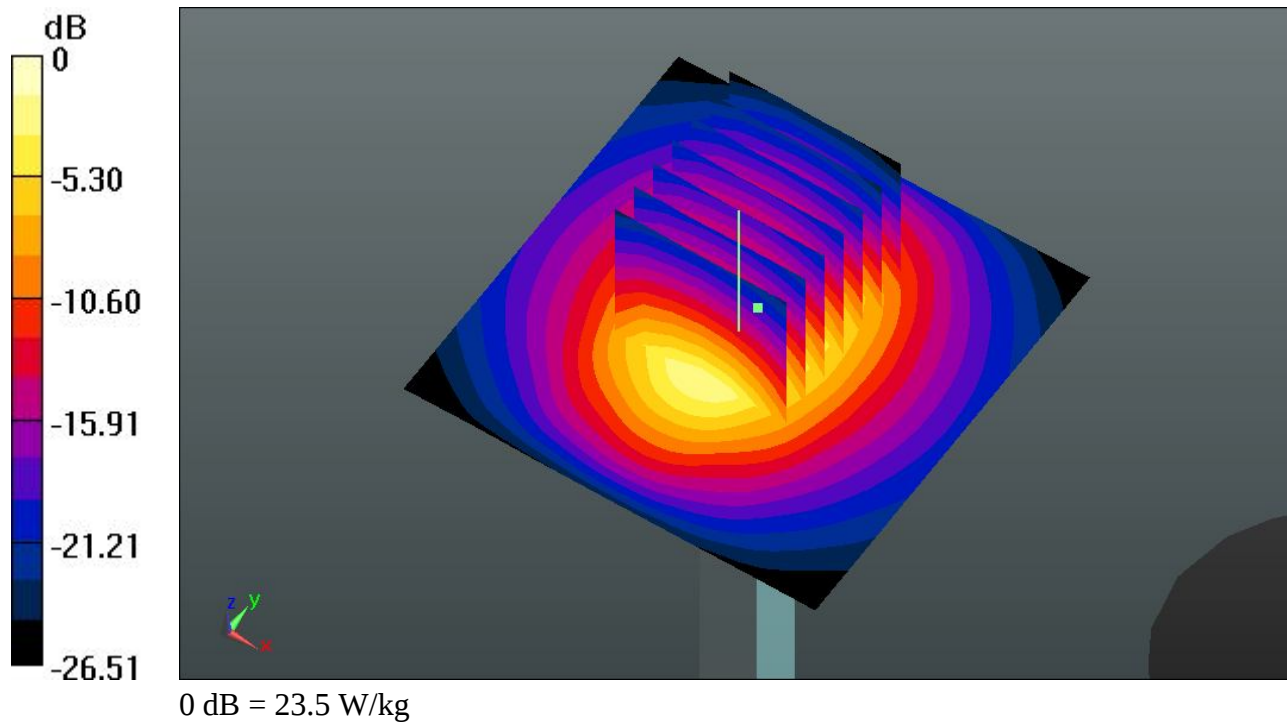
Pin=250mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 105.6 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 34.740 mW/g

SAR(1 g) = 14.9 mW/g; SAR(10 g) = 6.51 mW/g

Maximum value of SAR (measured) = 23.5 W/kg



System Check_Body_5200MHz_130412**DUT: D5GHzV2 - SN: 1006**

Communication System: CW; Frequency: 5200 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130412 Medium parameters used: $f = 5200$ MHz; $\sigma = 5.287$ mho/m; $\epsilon_r = 48.755$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 17.8 W/kg

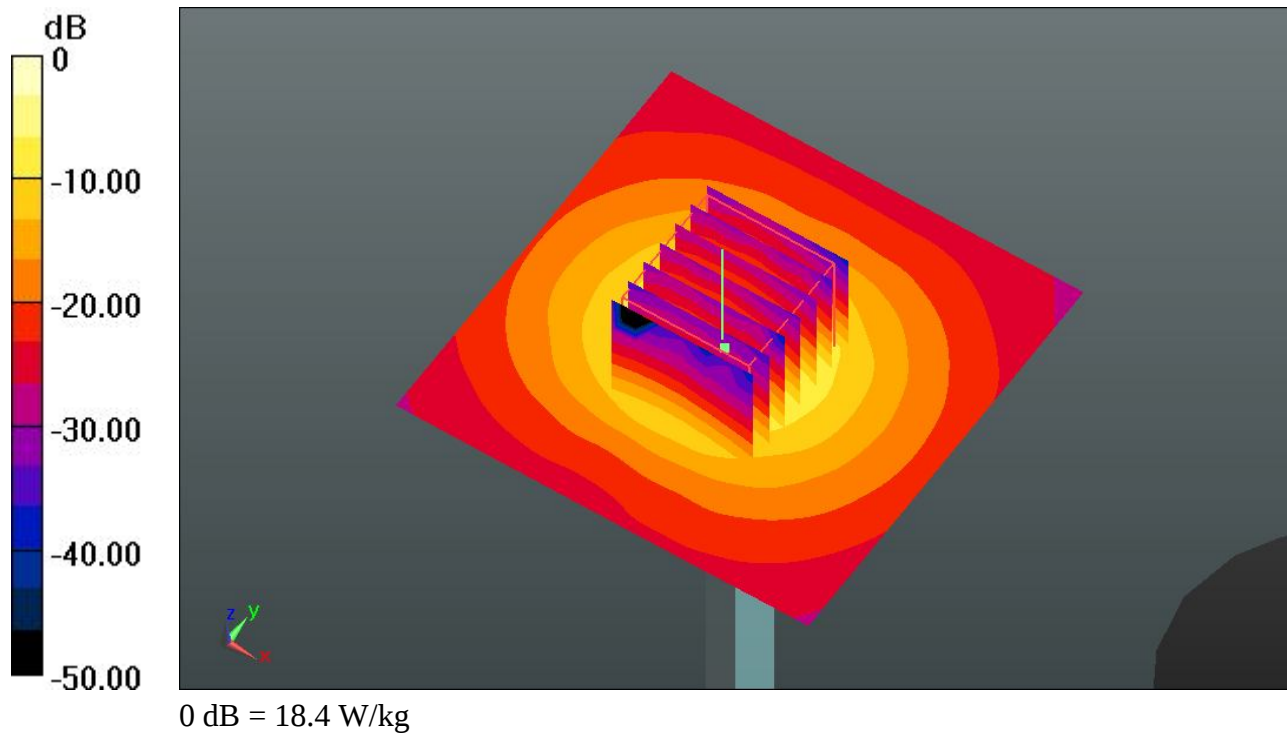
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 48.009 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 30.092 mW/g

SAR(1 g) = 7.53 mW/g; SAR(10 g) = 2.07 mW/g

Maximum value of SAR (measured) = 18.4 W/kg



System Check_Body_5800MHz_130412**DUT: D5GHzV2 - SN: 1006**

Communication System: CW; Frequency: 5800 MHz; Duty Cycle: 1:1

Medium: MSL_5G_130412 Medium parameters used: $f = 5800 \text{ MHz}$; $\sigma = 6.12 \text{ mho/m}$; $\epsilon_r = 47.381$; $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1303; Calibrated: 22.11.2012
- Phantom: SAM2; Type: QD000P40CD; Serial: TP:1671
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Pin=100mW/Area Scan (71x71x1): Interpolated grid: $dx=10\text{mm}$, $dy=10\text{mm}$

Maximum value of SAR (interpolated) = 19.4 W/kg

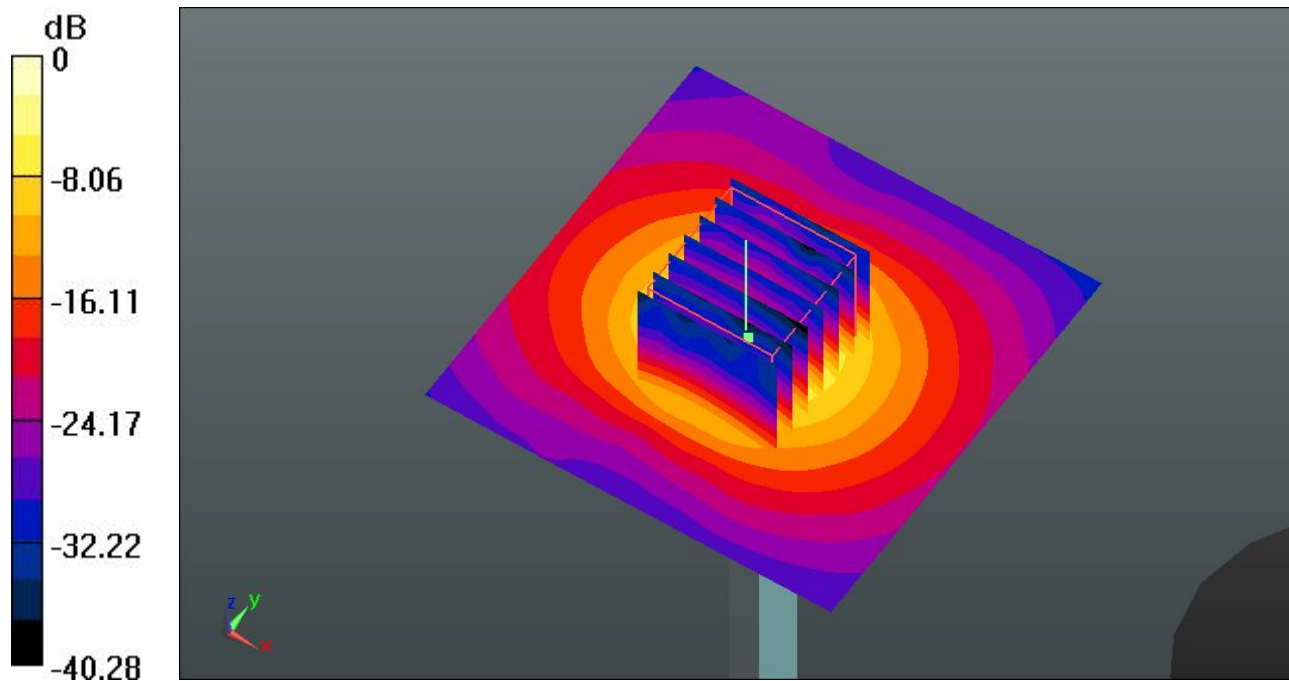
Pin=100mW/Zoom Scan (7x7x7)/Cube 0: Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$

Reference Value = 45.840 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 32.900 mW/g

SAR(1 g) = 7.65 mW/g ; SAR(10 g) = 2.12 mW/g

Maximum value of SAR (measured) = 19.6 W/kg



0 dB = 19.6 W/kg



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01 GSM850_GPRS(2 Tx slots)_Front_1cm_Ch128

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 56.589$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch128/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

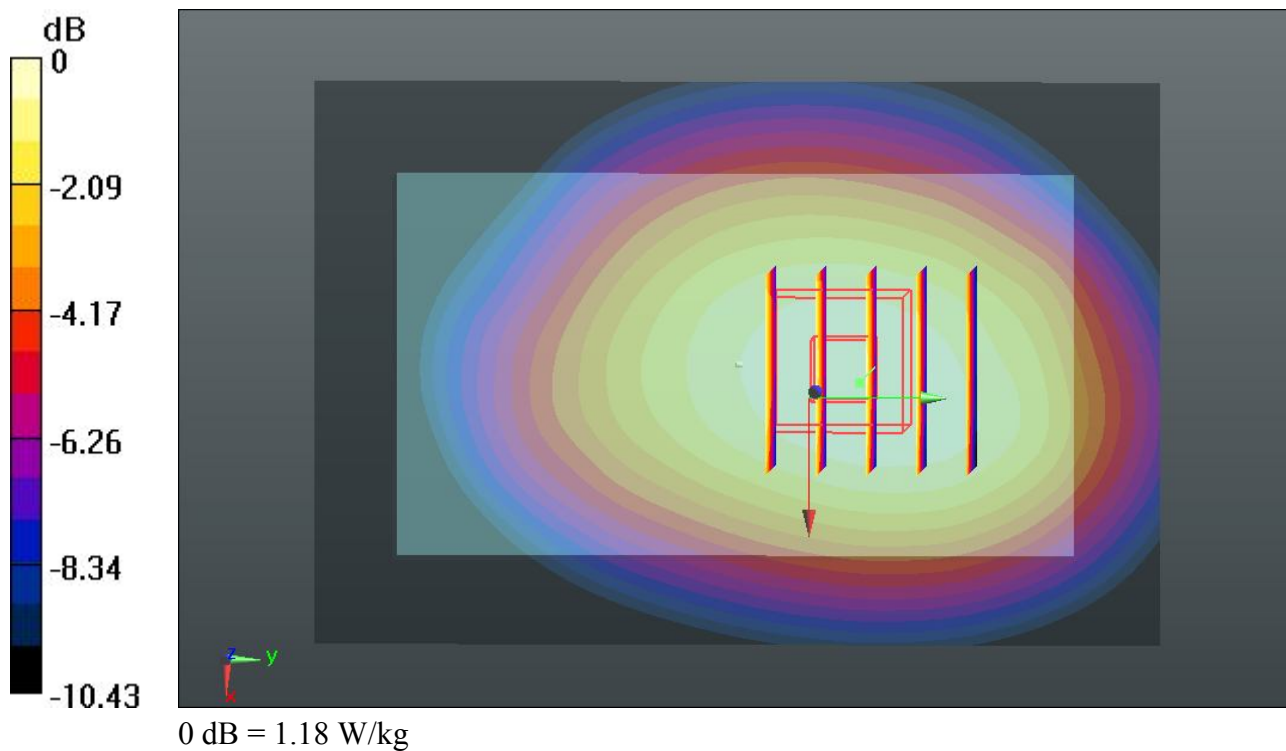
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.899 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.315 mW/g

SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.741 mW/g

Maximum value of SAR (measured) = 1.18 W/kg



#02 GSM850_GPRS(2 Tx slots)_Back_1cm_Ch128

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 56.589$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch128/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.22 W/kg

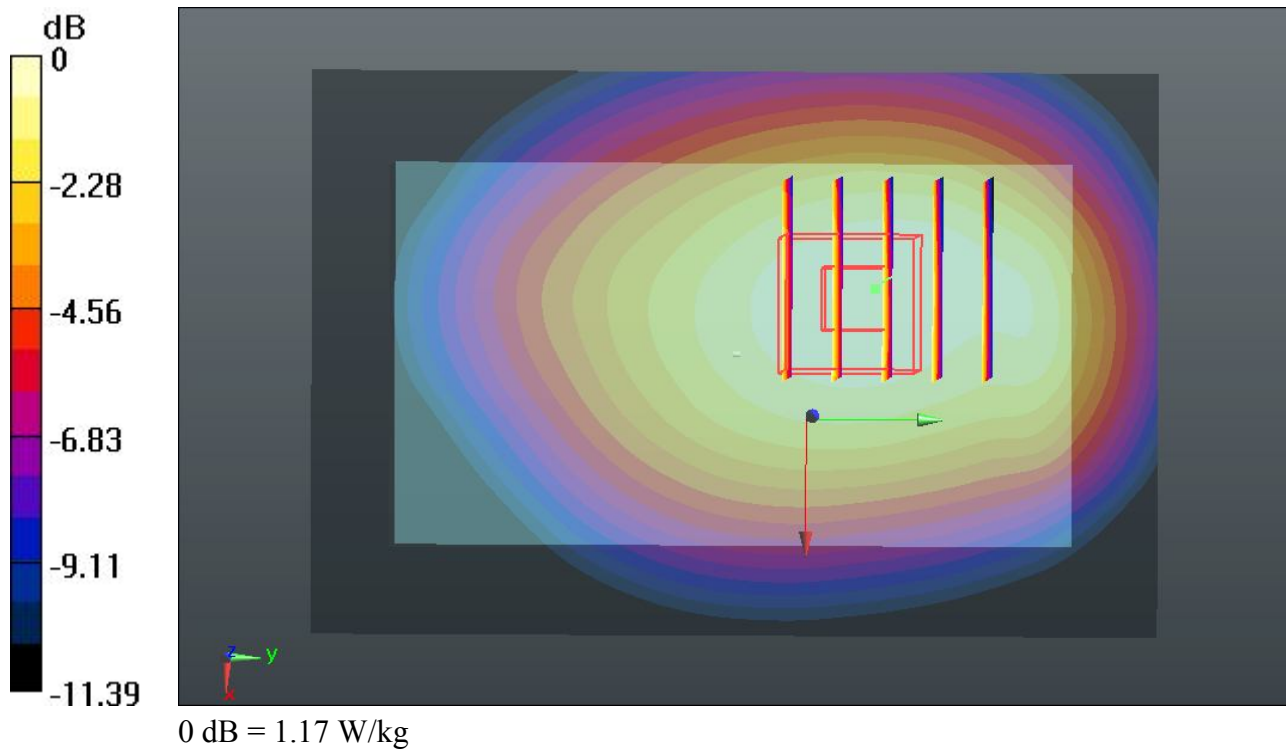
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.846 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.324 mW/g

SAR(1 g) = 0.987 mW/g; SAR(10 g) = 0.714 mW/g

Maximum value of SAR (measured) = 1.17 W/kg



#03 GSM850_GPRS(2 Tx slots)_Right Side_1cm_Ch128

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 56.589$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch128/Area Scan (41x61x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.139 W/kg

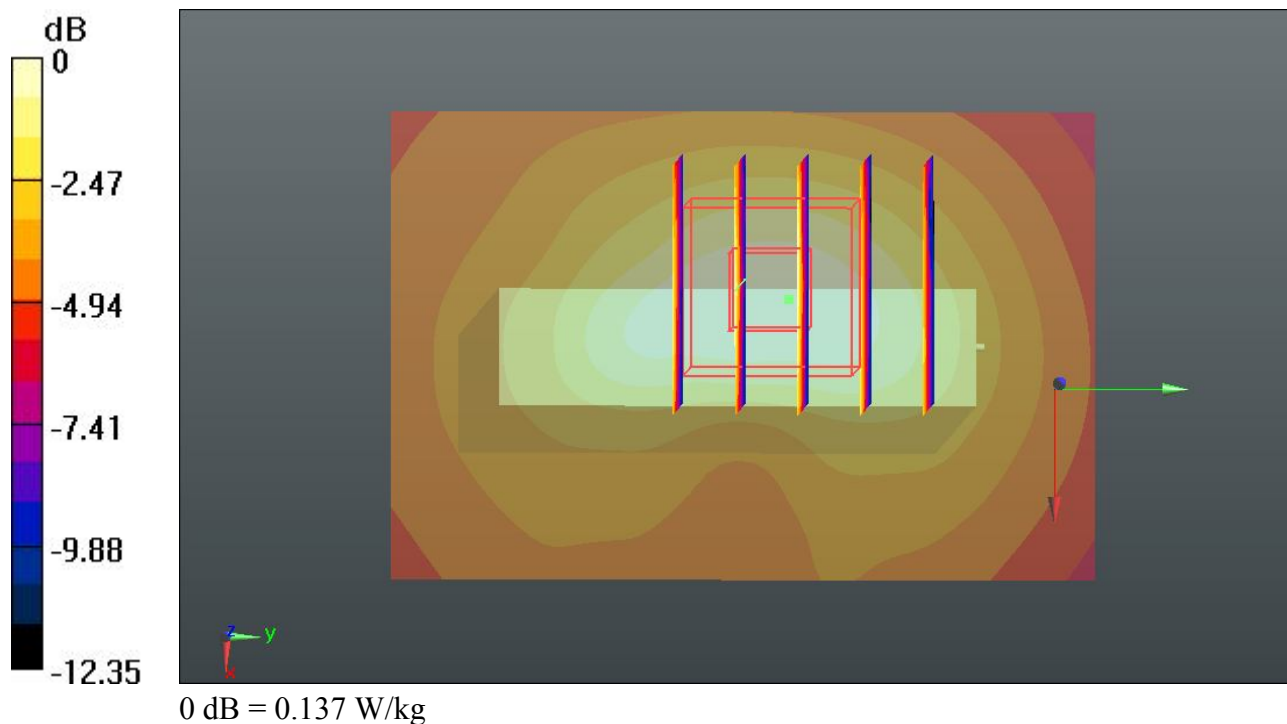
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.305 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.168 mW/g

SAR(1 g) = 0.107 mW/g; SAR(10 g) = 0.067 mW/g

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



#04 GSM850_GPRS(2 Tx slots)_Top Side_1cm_Ch128

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 56.589$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch128/Area Scan (41x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.707 W/kg

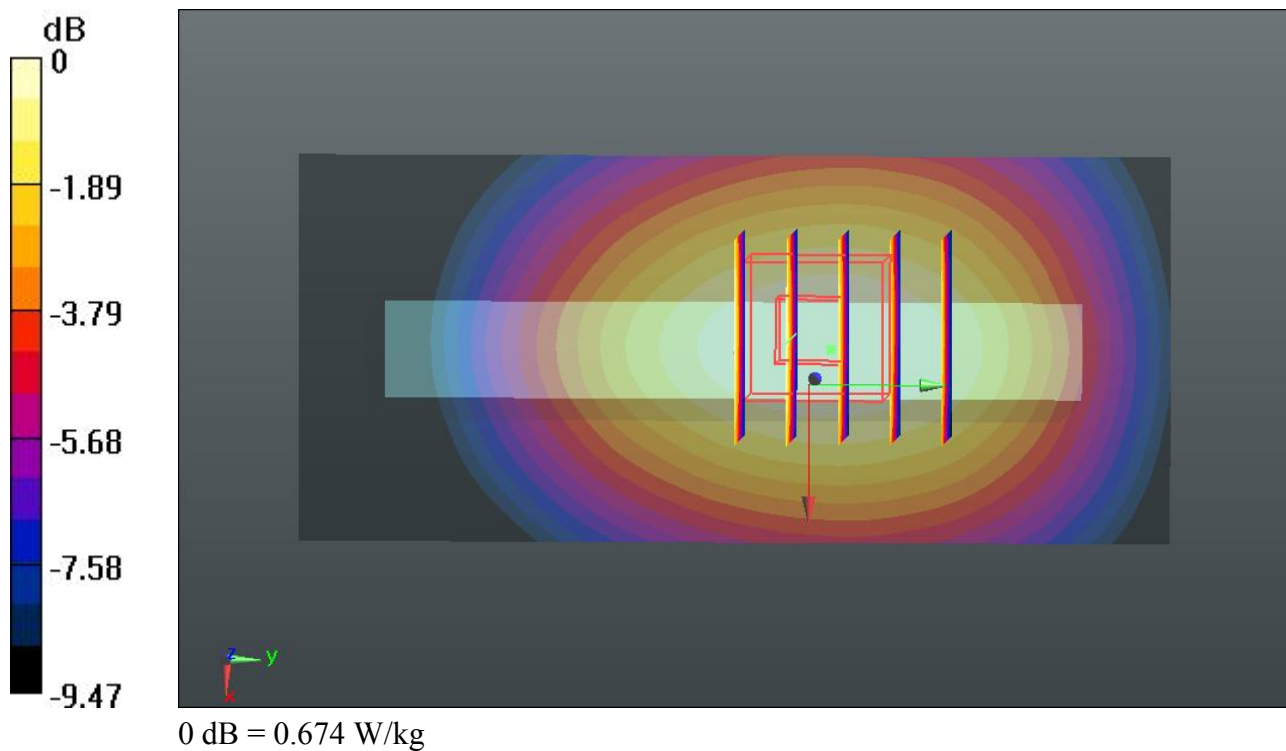
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.194 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.770 mW/g

SAR(1 g) = 0.564 mW/g; SAR(10 g) = 0.402 mW/g

Maximum value of SAR (measured) = 0.674 W/kg



#05 GSM850_GPRS(2 Tx slots)_Bottom Side_1cm_Ch128**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.96$ mho/m; $\epsilon_r = 56.589$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch128/Area Scan (41x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.753 W/kg

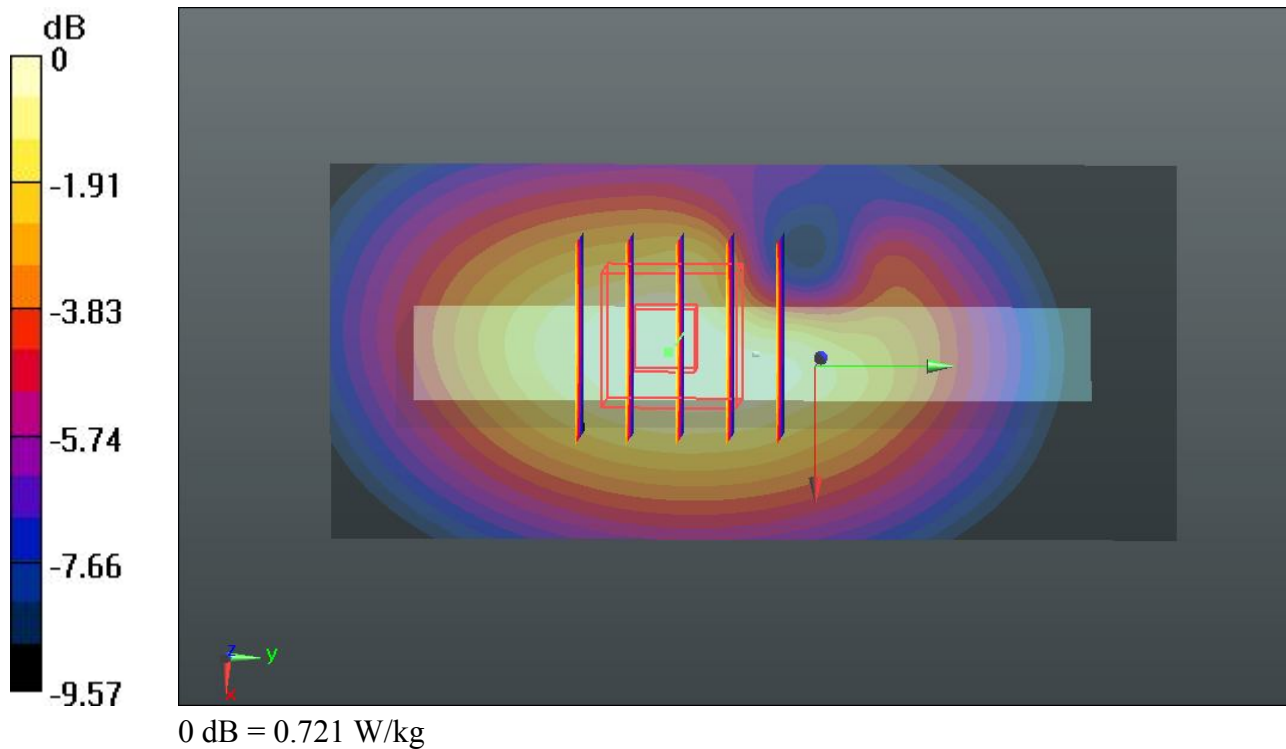
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.055 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.825 mW/g

SAR(1 g) = 0.592 mW/g; SAR(10 g) = 0.412 mW/g

Maximum value of SAR (measured) = 0.721 W/kg



#06 GSM850_GPRS(2 Tx slots)_Front_1cm_Ch189

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$ 56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch189/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.27 W/kg

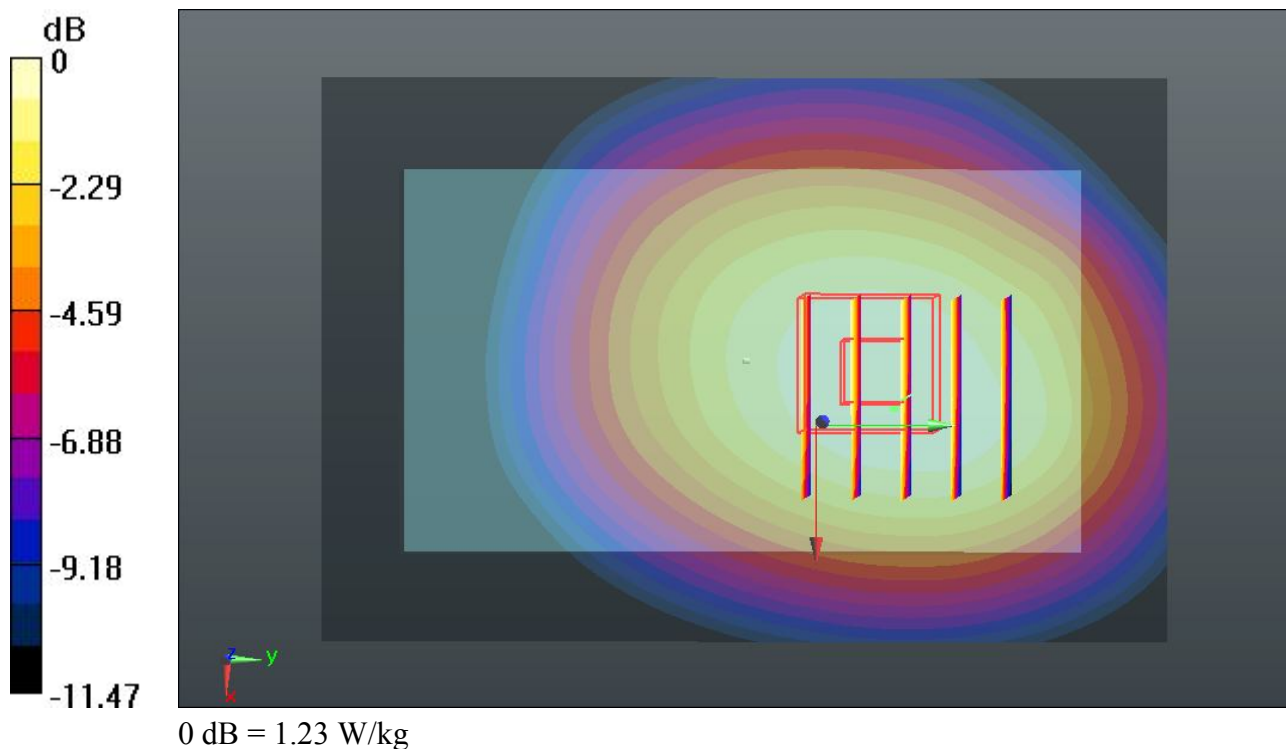
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.405 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.397 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.759 mW/g

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



#07 GSM850_GPRS(2 Tx slots)_Front_1cm_Ch251

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 849$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 56.369$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

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

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

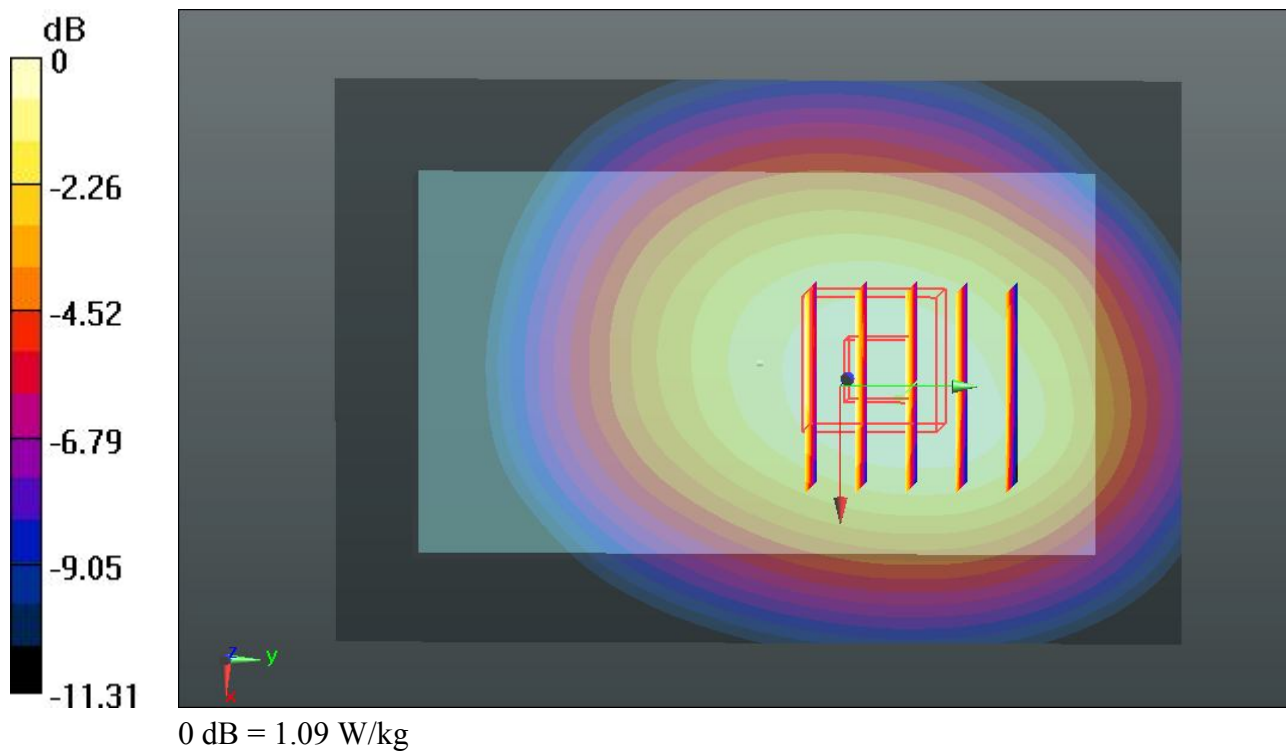
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.142 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.229 mW/g

SAR(1 g) = 0.928 mW/g; SAR(10 g) = 0.673 mW/g

Maximum value of SAR (measured) = 1.09 W/kg



#08 GSM850_GPRS(2 Tx slots)_Back_1cm_Ch189

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$ 56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch189/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.29 W/kg

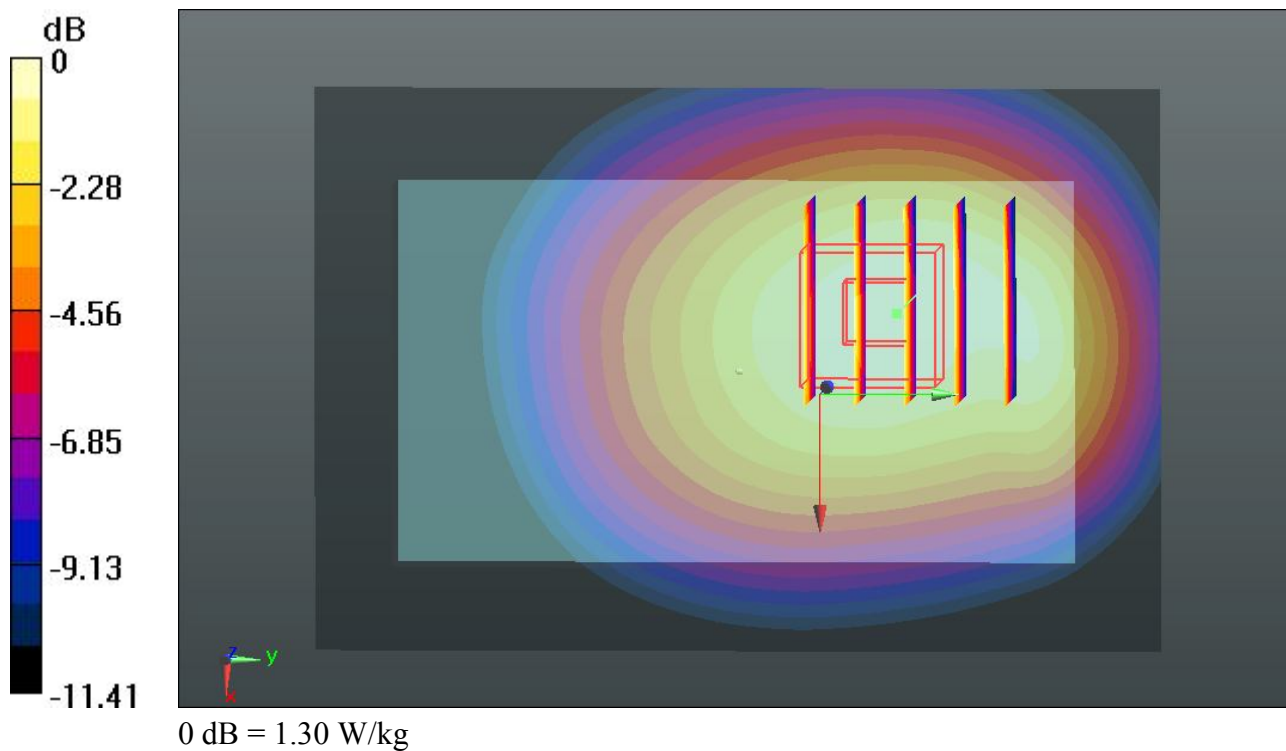
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.472 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.489 mW/g

SAR(1 g) = 1.09 mW/g; SAR(10 g) = 0.768 mW/g

Maximum value of SAR (measured) = 1.30 W/kg



#10 GSM850_GPRS(2 Tx slots)_Back_1cm_Ch189_Repeat SAR

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$ 56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch189/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.32 W/kg

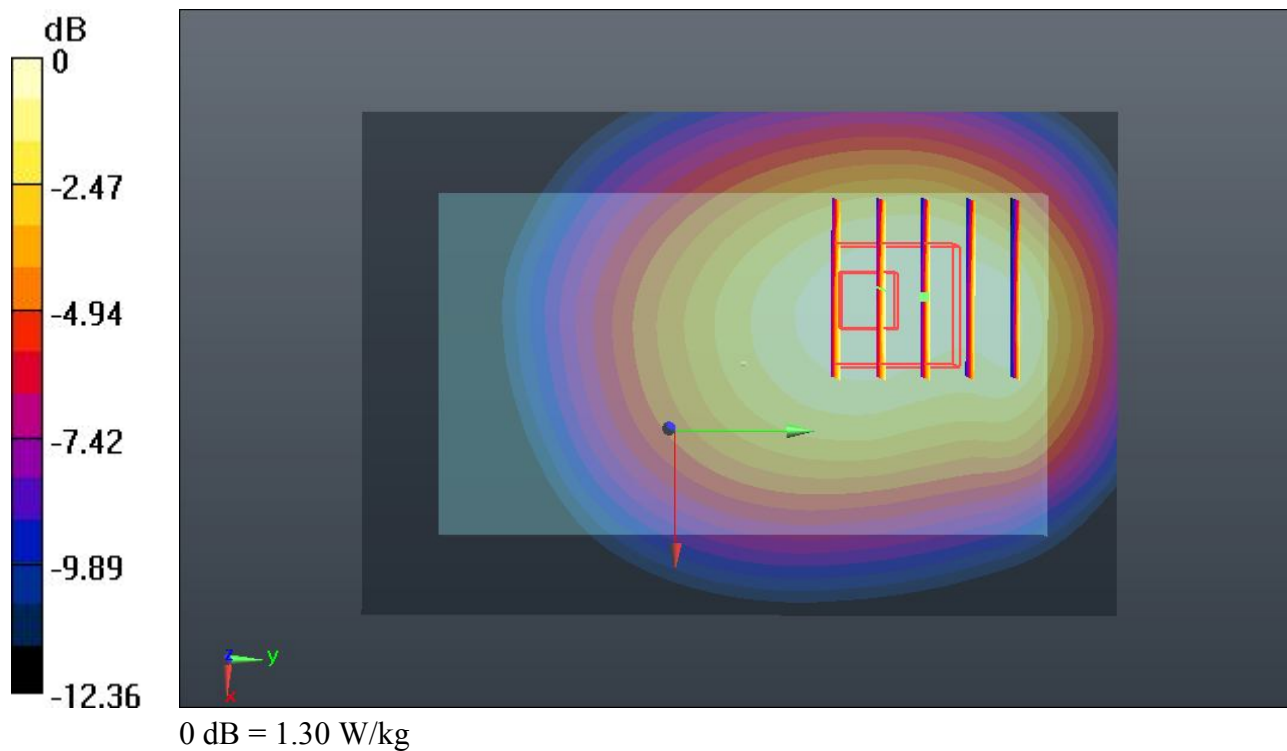
Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.965 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.488 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.745 mW/g

Maximum value of SAR (measured) = 1.30 W/kg



#09 GSM850_GPRS(2 Tx slots)_Back_1cm_Ch251

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 848.8 MHz; Duty Cycle: 1:4

Medium: MSL_835_130321 Medium parameters used: $f = 849$ MHz; $\sigma = 0.983$ mho/m; $\epsilon_r = 56.369$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

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

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

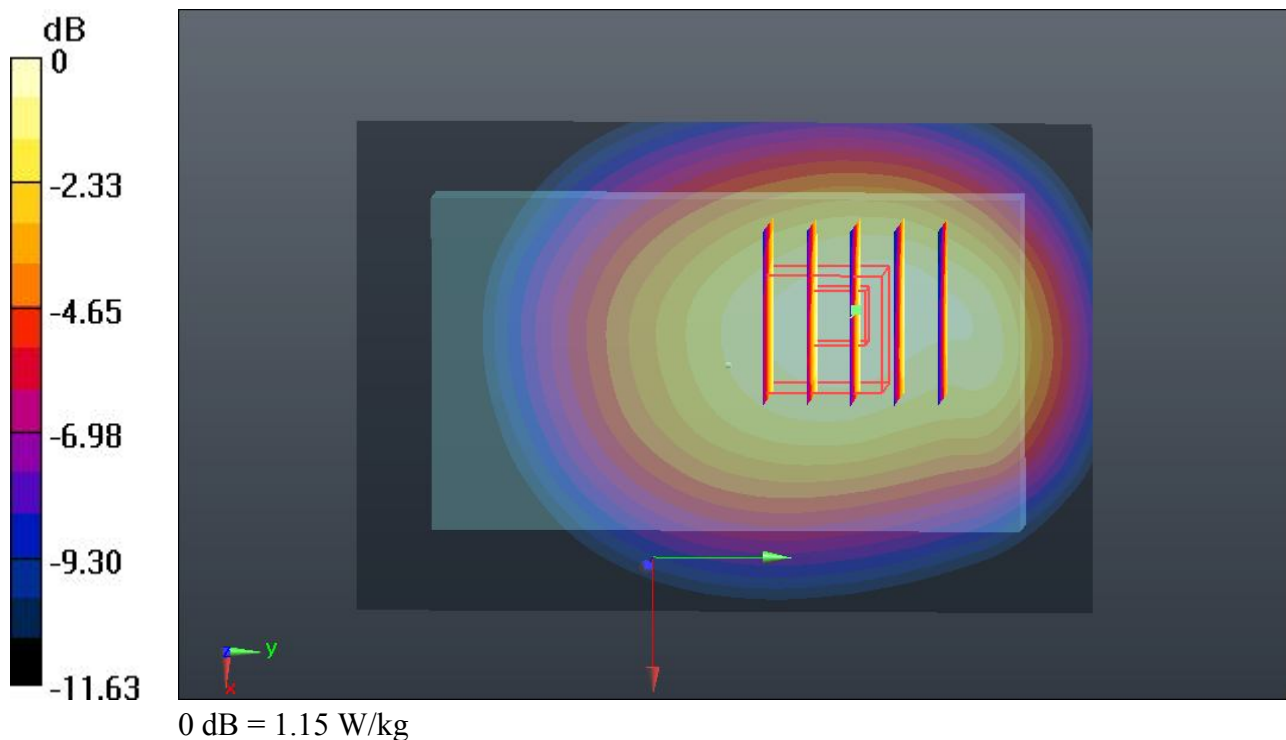
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.042 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.310 mW/g

SAR(1 g) = 0.956 mW/g; SAR(10 g) = 0.679 mW/g

Maximum value of SAR (measured) = 1.15 W/kg



#45 GSM1900_GPRS(2 Tx slots)_Front_1cm_Ch661

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r =$ 54.011; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (interpolated) = 0.713 W/kg

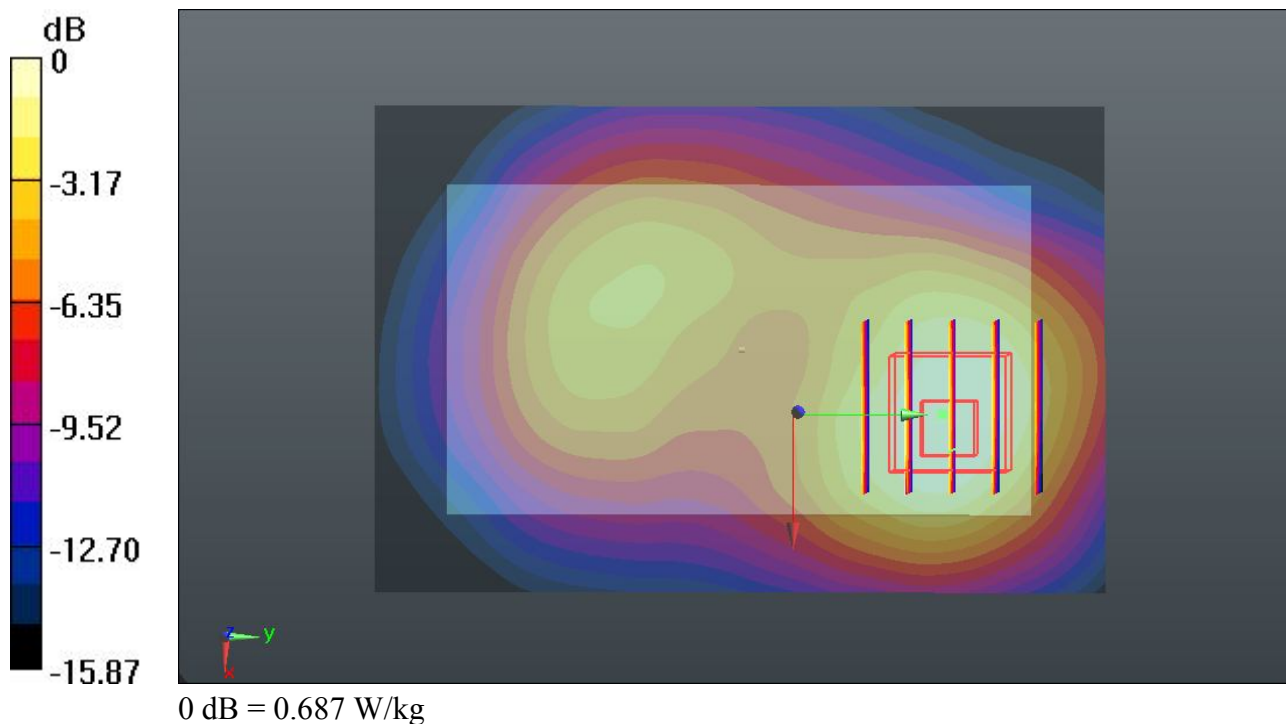
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.689 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.328 mW/g

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.320 mW/g

Maximum value of SAR (measured) = 0.687 W/kg



#46 GSM1900_GPRS(2 Tx slots)_Back_1cm_Ch661

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r =$ 54.011; $\rho = 1000$ kg/m³

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

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

Maximum value of SAR (interpolated) = 0.890 W/kg

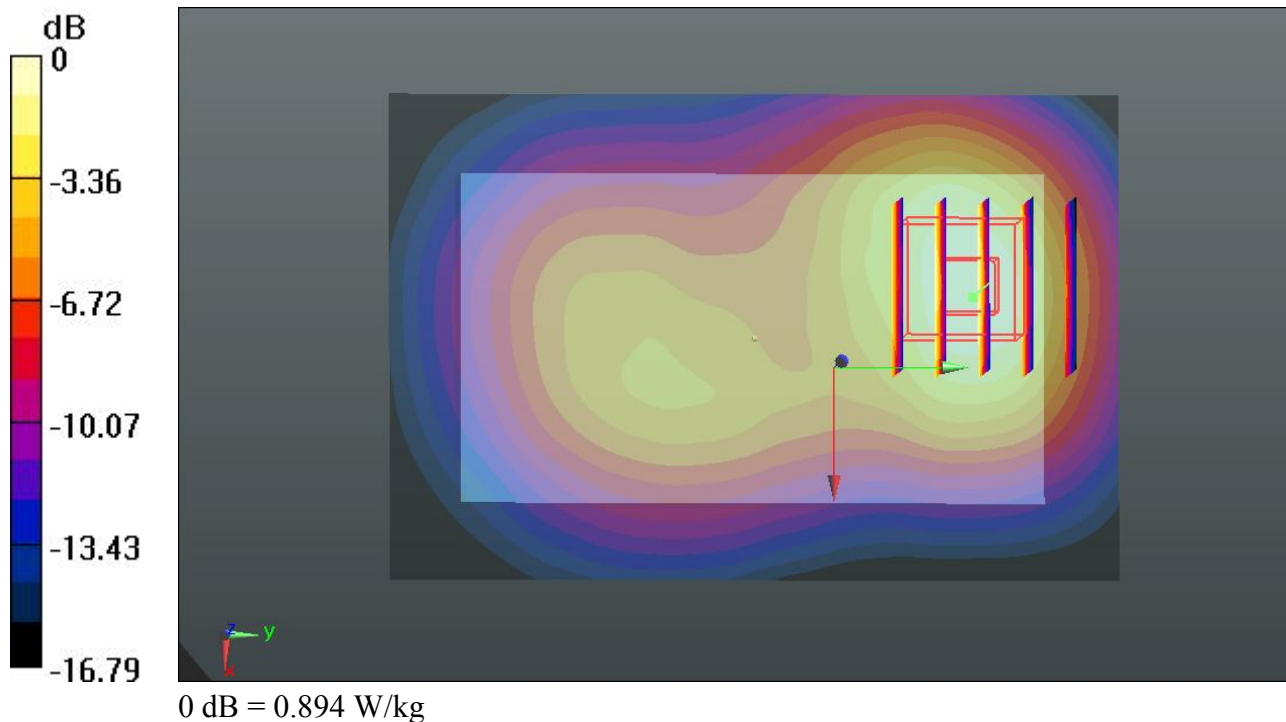
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.783 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.099 mW/g

SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.392 mW/g

Maximum value of SAR (measured) = 0.894 W/kg



#47 GSM1900_GPRS(2 Tx slots)_Right Side_1cm_Ch661

DUT: 312313

Communication System: GPRS/EDGE10; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r =$ 54.011; $\rho = 1000$ kg/m³

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

Ch661/Area Scan (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.931 W/kg

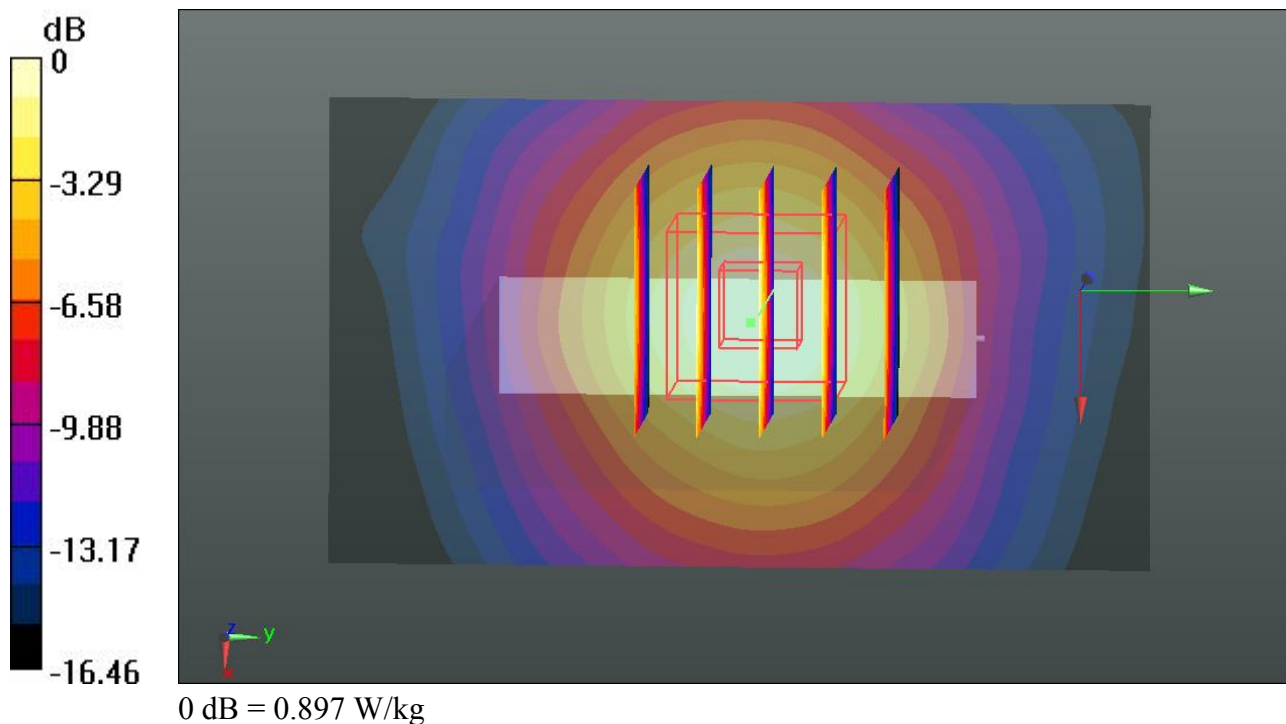
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.720 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.103 mW/g

SAR(1 g) = 0.665 mW/g; SAR(10 g) = 0.374 mW/g

Maximum value of SAR (measured) = 0.897 W/kg



#48 GSM1900_GPRS(2 Tx slots)_Top Side_1cm_Ch661**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r =$

54.011 ; $\rho = 1000$ kg/m³

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

Ch661/Area Scan (41x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.138 W/kg

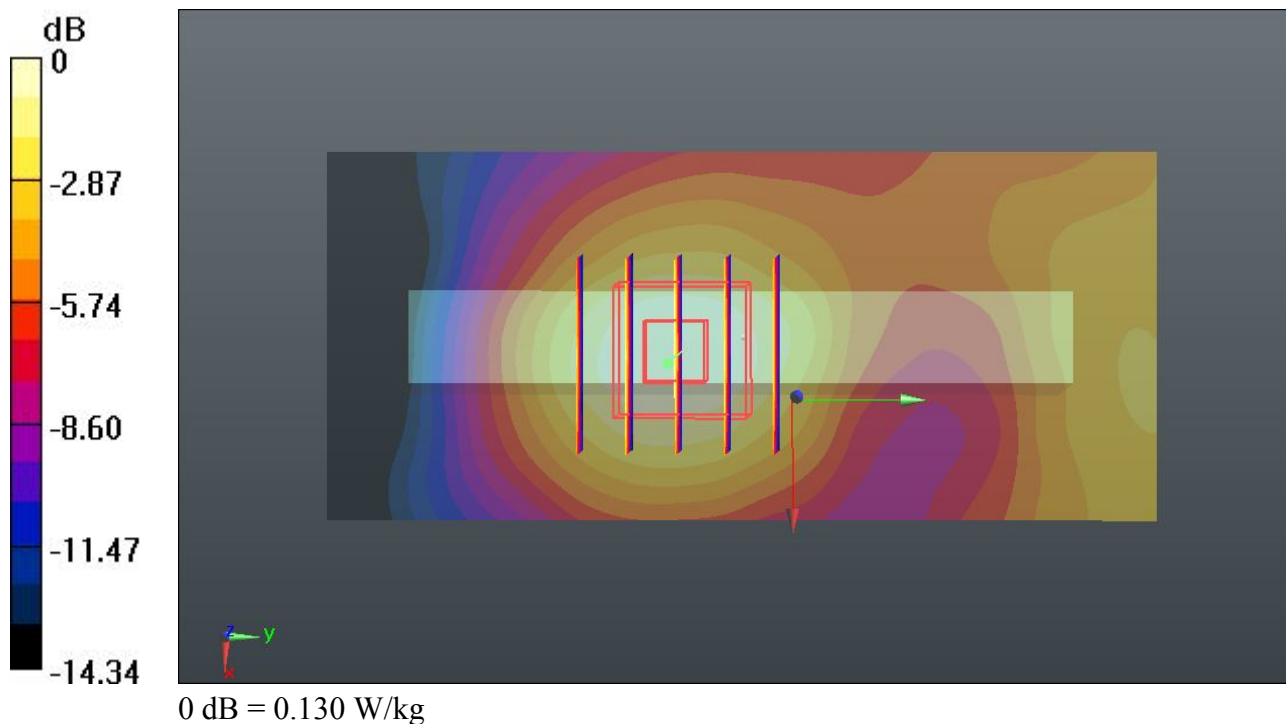
Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.689 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.156 mW/g

SAR(1 g) = 0.100 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.130 W/kg



#49 GSM1900_GPRS(2 Tx slots)_Bottom Side_1cm_Ch661**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.507$ mho/m; $\epsilon_r = 54.011$; $\rho = 1000$ kg/m³

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

Ch661/Area Scan (41x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.292 W/kg

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

Reference Value = 13.807 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.342 mW/g

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.122 mW/g

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

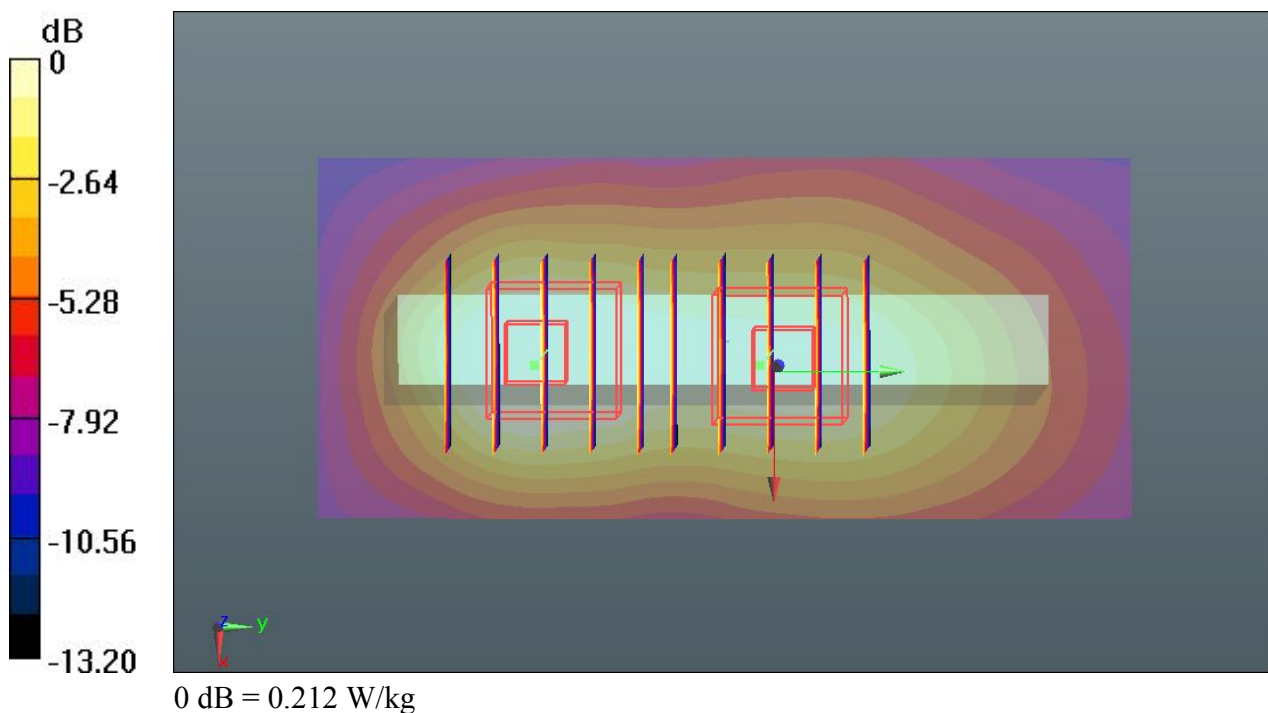
Ch661/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.807 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.254 mW/g

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.212 W/kg



#50 GSM1900_GPRS(2 Tx slots)_Back_1cm_Ch512**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.469$ mho/m; $\epsilon_r =$

54.083; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °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 (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.902 W/kg

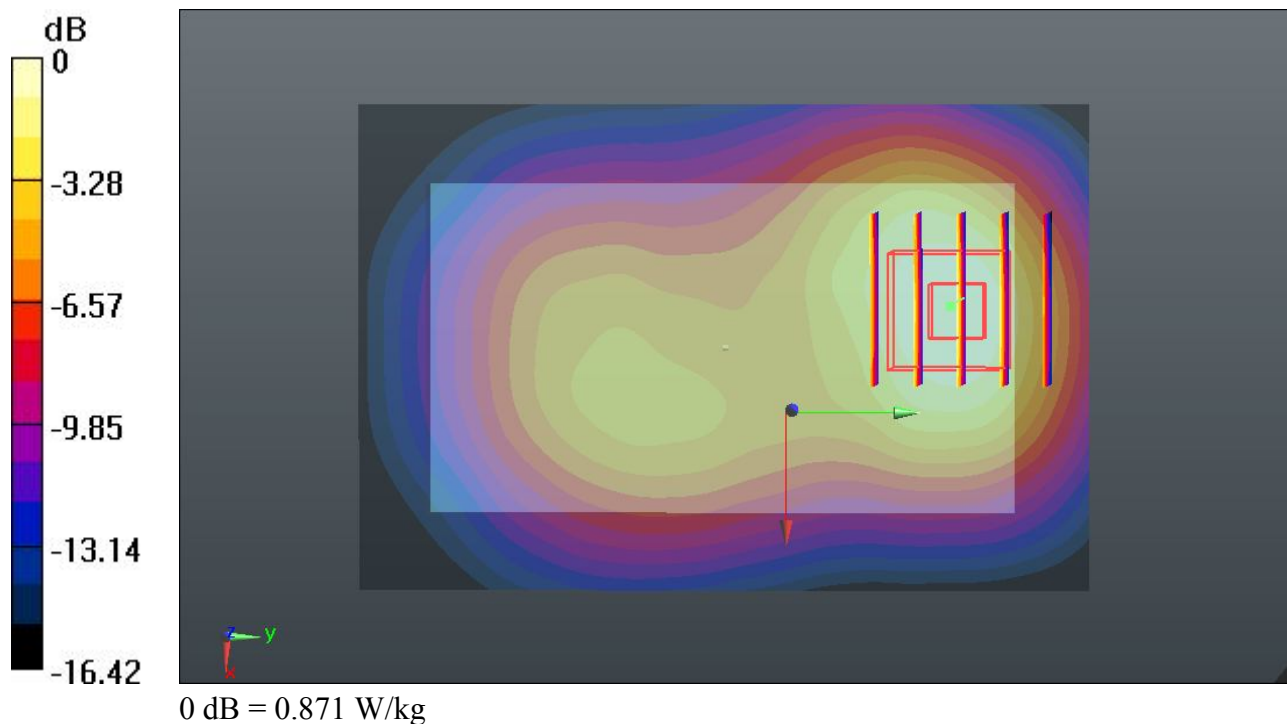
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.780 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.165 mW/g

SAR(1 g) = 0.670 mW/g; SAR(10 g) = 0.398 mW/g

Maximum value of SAR (measured) = 0.871 W/kg



#51 GSM1900_GPRS(2 Tx slots)_Back_1cm_Ch810**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r =$

53.954; $\rho = 1000$ kg/m³

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

Ch810/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.786 W/kg

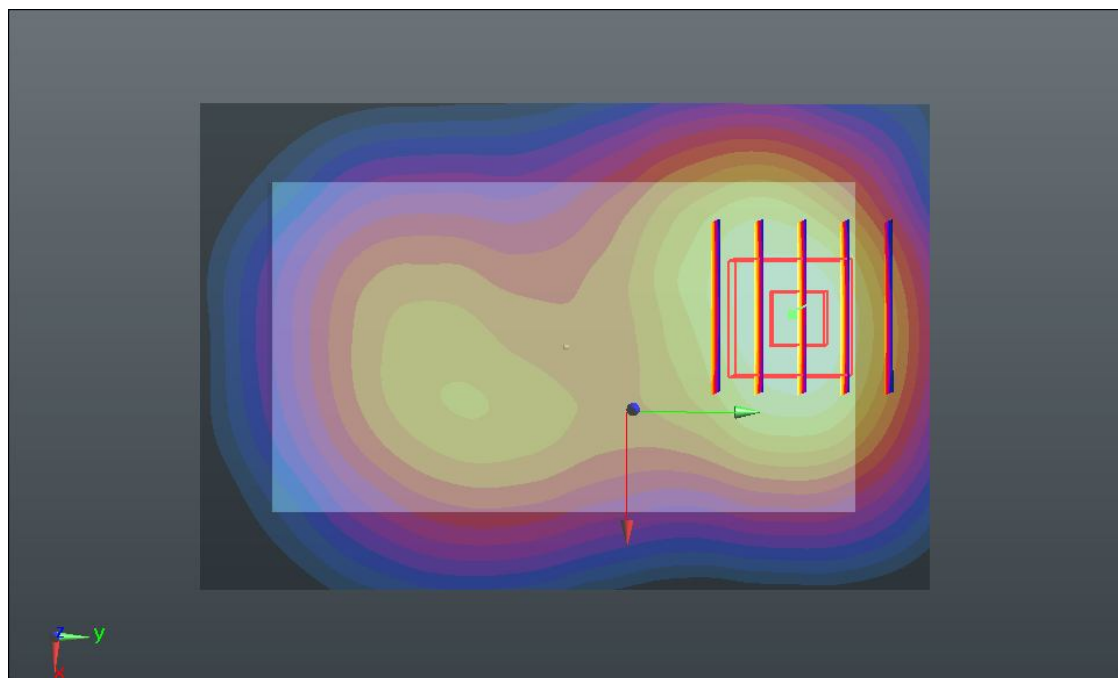
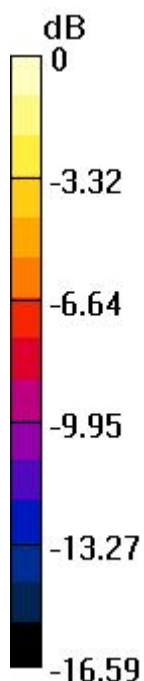
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.539 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.914 mW/g

SAR(1 g) = 0.567 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.747 W/kg



0 dB = 0.747 W/kg

#52 GSM1900_GPRS(2 Tx slots)_Right Side_1cm_Ch512**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.469$ mho/m; $\epsilon_r =$

54.083; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.7 °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 (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.952 W/kg

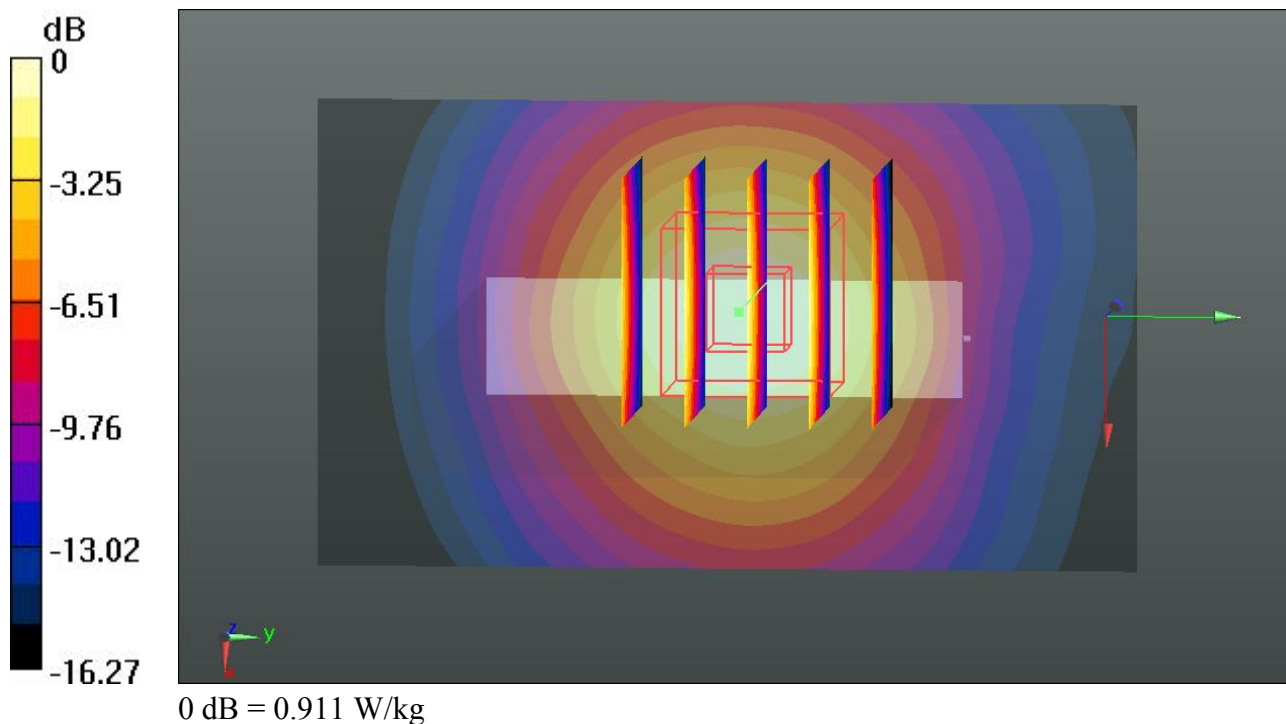
Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.357 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.112 mW/g

SAR(1 g) = 0.678 mW/g; SAR(10 g) = 0.383 mW/g

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



#53 GSM1900_GPRS(2 Tx slots)_Right Side_1cm_Ch810**DUT: 312313**

Communication System: GPRS/EDGE10; Frequency: 1909.8 MHz; Duty Cycle: 1:4

Medium: MSL_1900_130409 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.537$ mho/m; $\epsilon_r =$

53.954; $\rho = 1000$ kg/m³

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

Ch810/Area Scan (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.832 W/kg

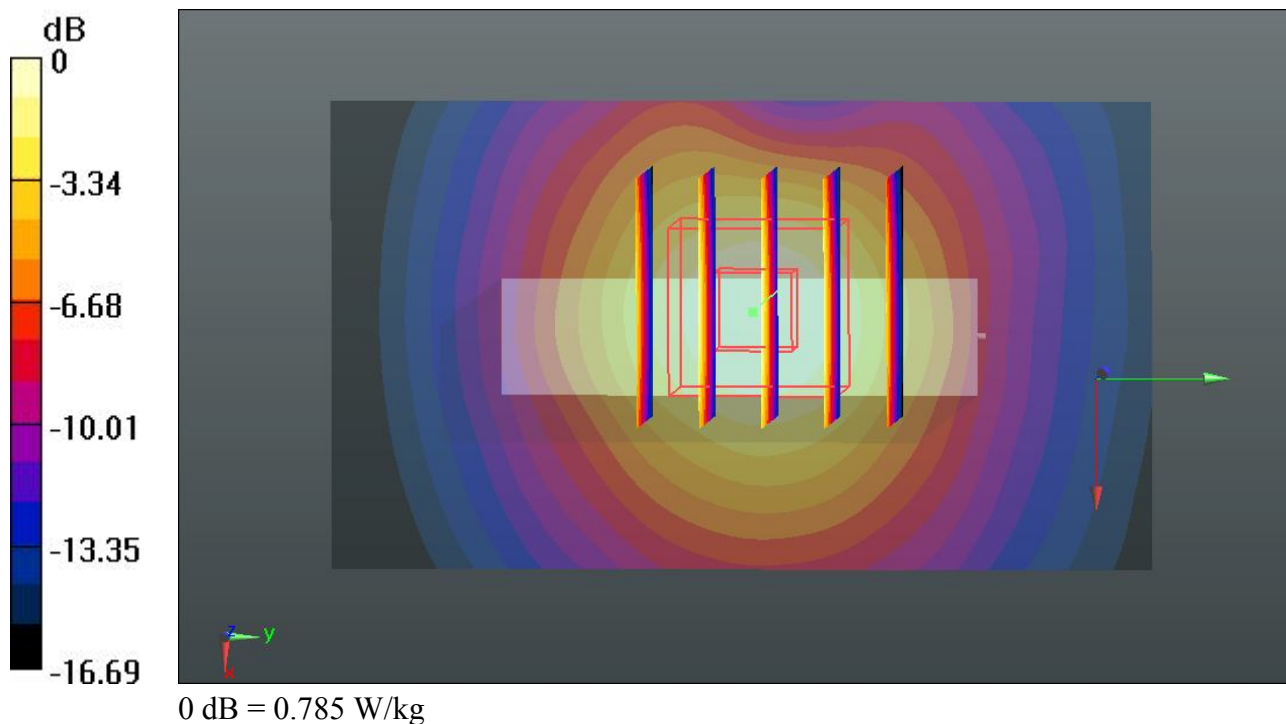
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.027 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.974 mW/g

SAR(1 g) = 0.576 mW/g; SAR(10 g) = 0.323 mW/g

Maximum value of SAR (measured) = 0.785 W/kg



#11 WCDMA Band V_RMC 12.2K_Front_1cm_Ch4182**DUT: 312313**

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

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$

56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4182/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

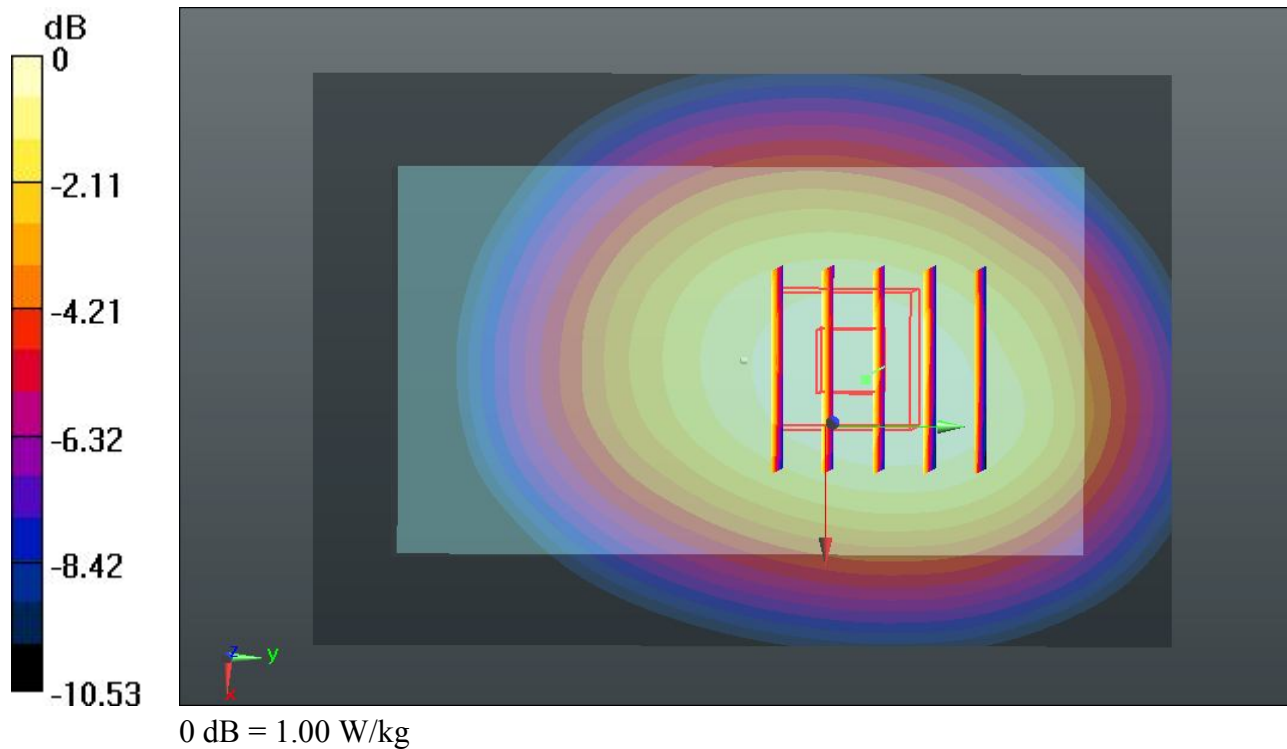
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.150 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.122 mW/g

SAR(1 g) = 0.859 mW/g; SAR(10 g) = 0.629 mW/g

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



#12 WCDMA Band V_RMC 12.2K_Back_1cm_Ch4182

DUT: 312313

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

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$ 56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4182/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

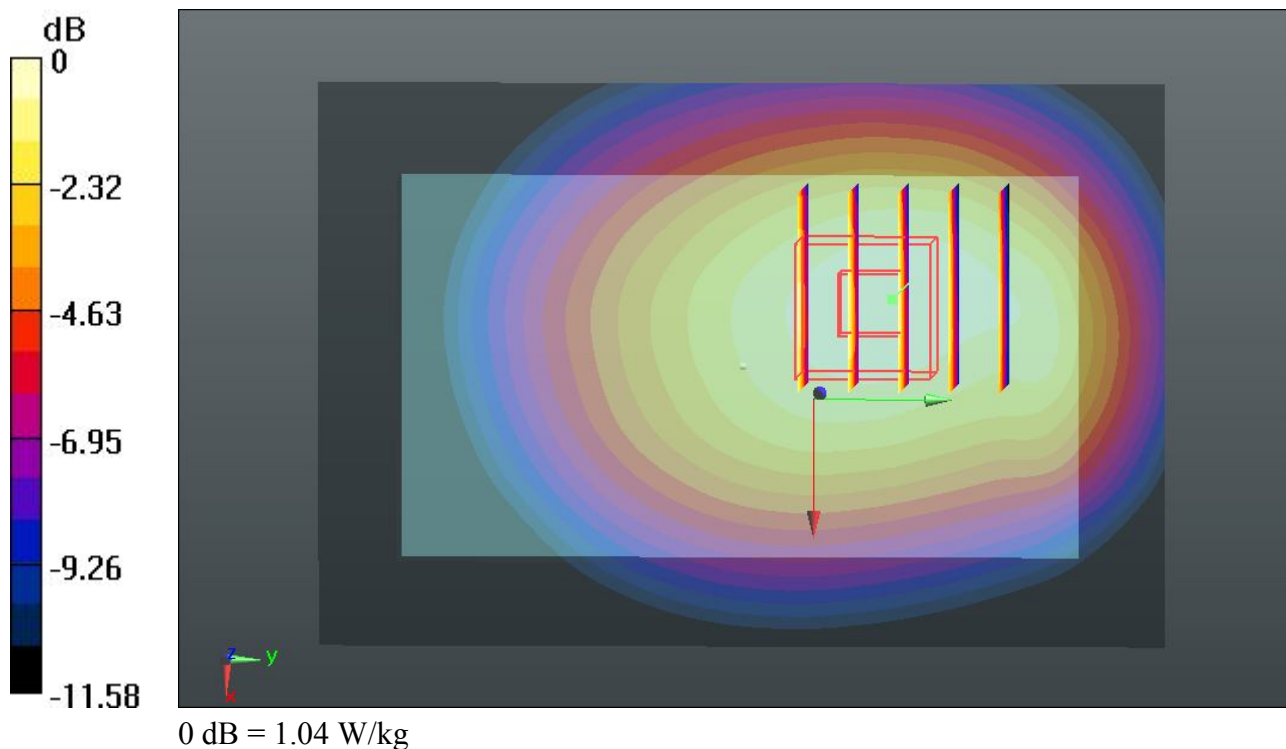
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.523 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.183 mW/g

SAR(1 g) = 0.868 mW/g; SAR(10 g) = 0.619 mW/g

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



#13 WCDMA Band V_RMC 12.2K_Right Side_1cm_Ch4182

DUT: 312313

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

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$ 56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4182/Area Scan (41x61x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.110 W/kg

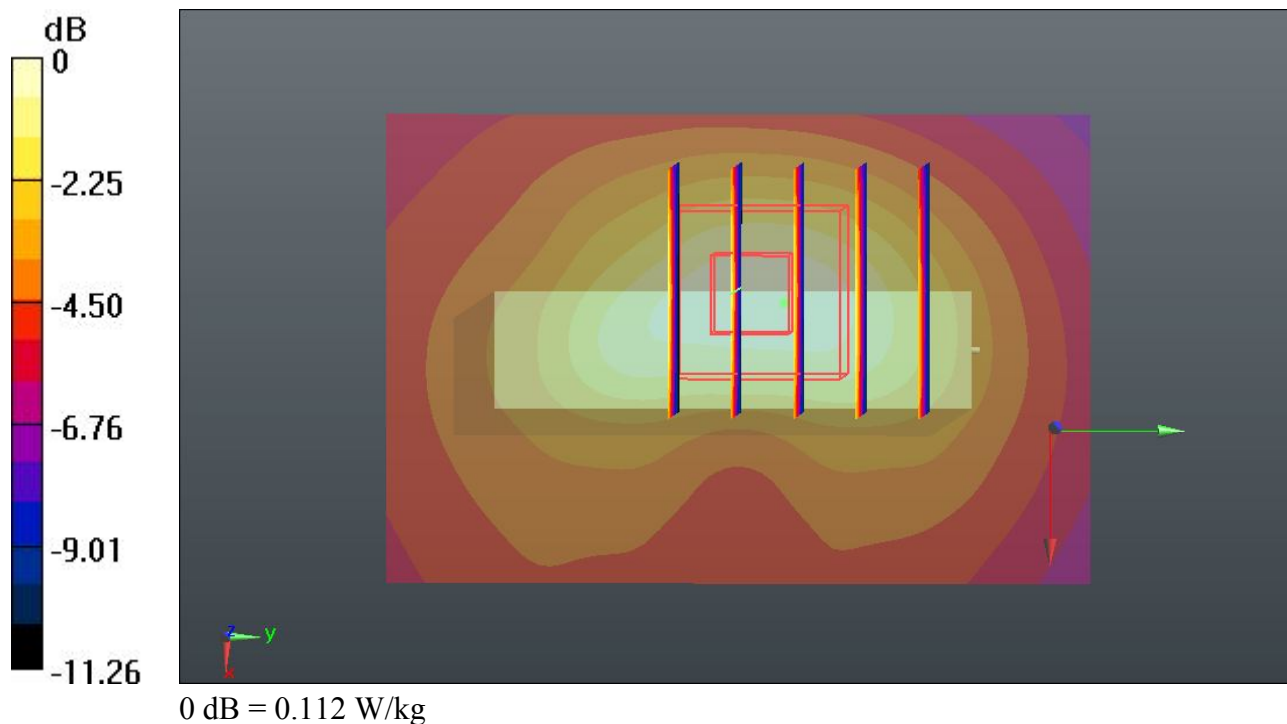
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.967 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.137 mW/g

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.112 W/kg



#14 WCDMA Band V_RMC 12.2K_Top Side_1cm_Ch4182**DUT: 312313**

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

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$

56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4182/Area Scan (41x91x1): Interpolated grid: dx=15mm, dy=15mm

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

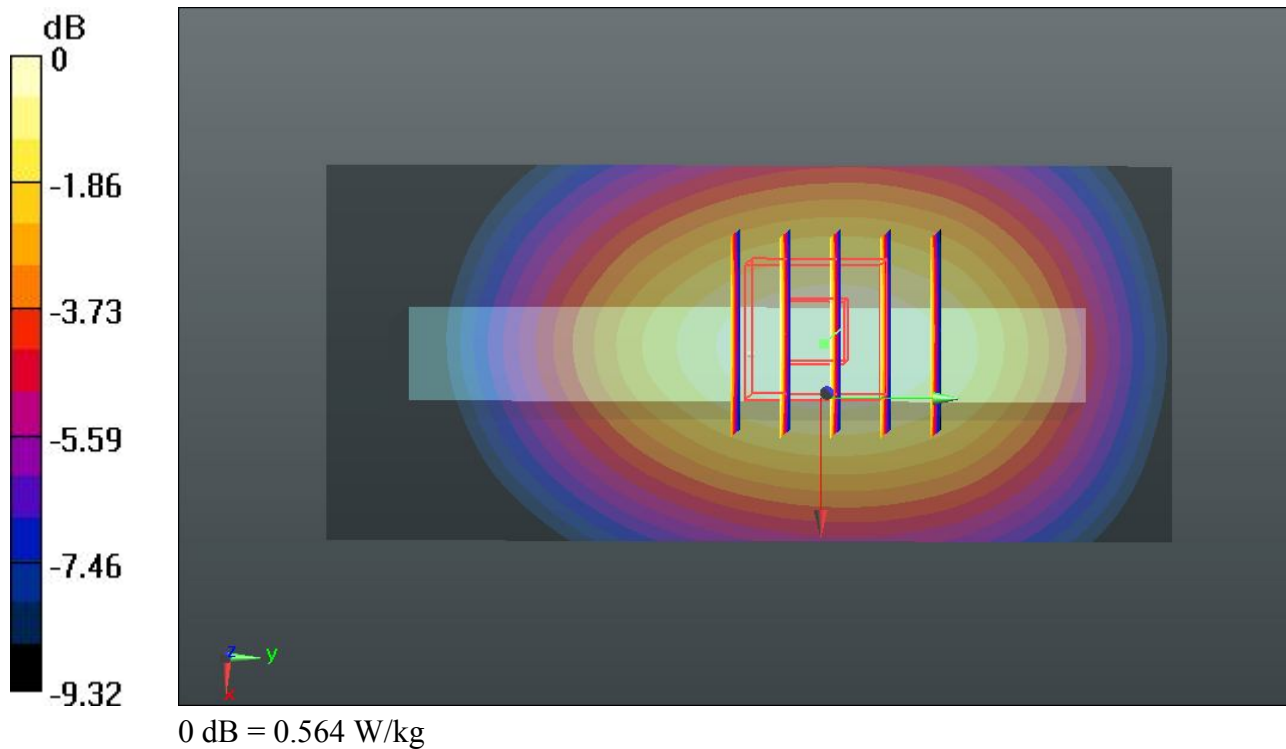
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.743 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.644 mW/g

SAR(1 g) = 0.469 mW/g; SAR(10 g) = 0.332 mW/g

Maximum value of SAR (measured) = 0.564 W/kg



#15 WCDMA Band V_RMC 12.2K_Bottom Side_1cm_Ch4182

DUT: 312313

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

Medium: MSL_835_130321 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r =$ 56.486; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4182/Area Scan (41x91x1): Interpolated grid: dx=15mm, dy=15mm

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

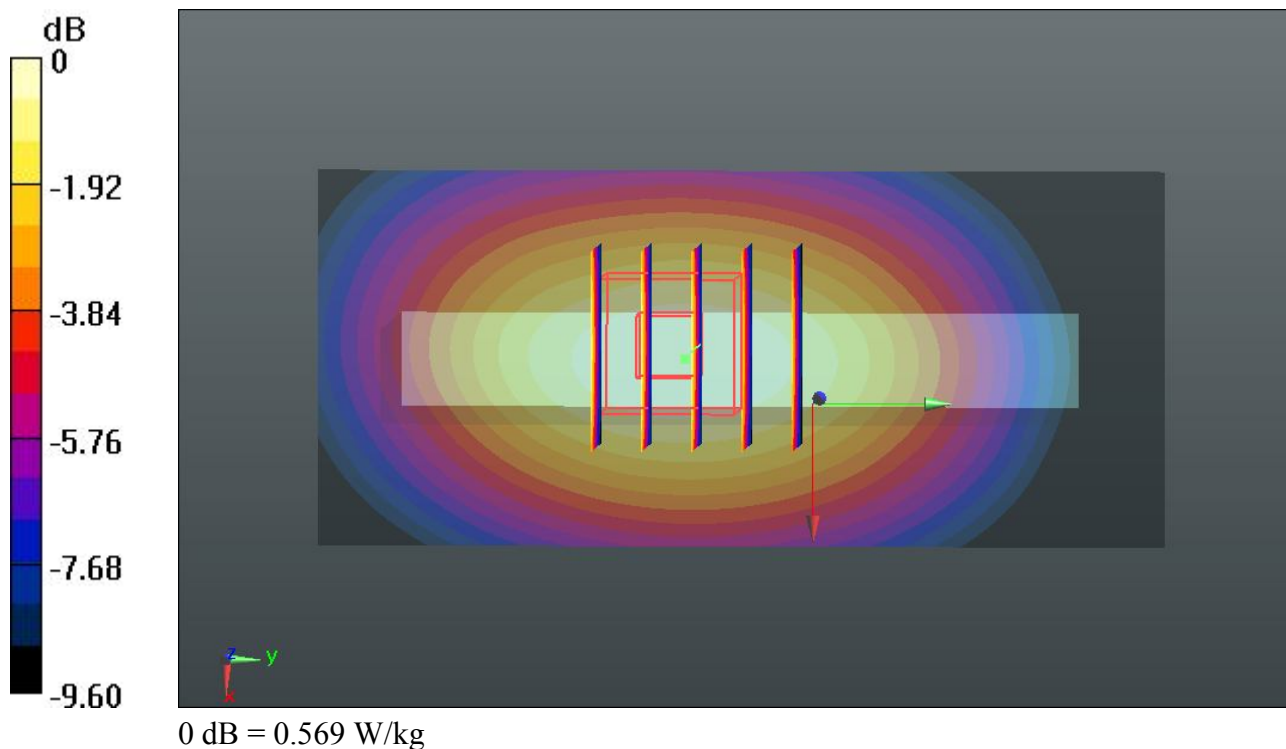
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.867 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.656 mW/g

SAR(1 g) = 0.468 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 0.569 W/kg



#16 WCDMA Band V_RMC 12.2K_Front_1cm_Ch4132**DUT: 312313**

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

Medium: MSL_835_130321 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 56.57$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4132/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

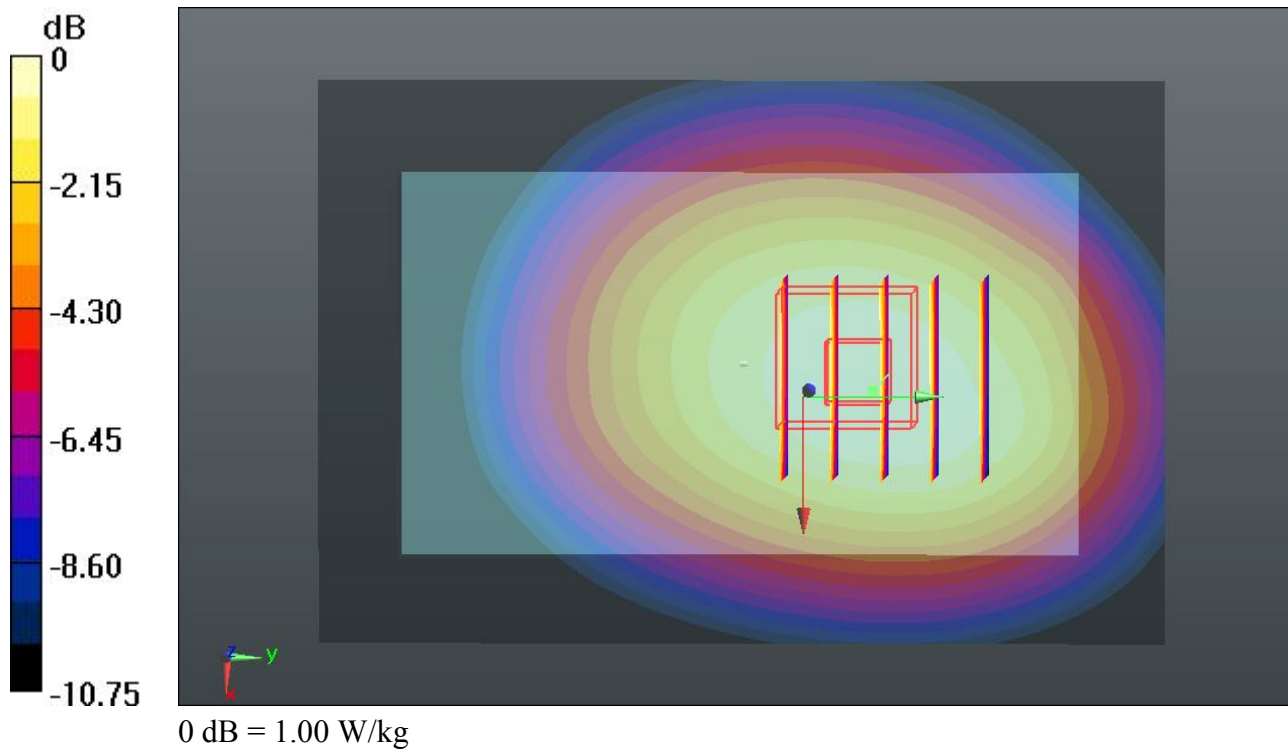
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.295 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.129 mW/g

SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.627 mW/g

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



#17 WCDMA Band V_RMC 12.2K_Front_1cm_Ch4233

DUT: 312313

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

Medium: MSL_835_130321 Medium parameters used: $f = 847$ MHz; $\sigma = 0.981$ mho/m; $\epsilon_r = 56.389$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4233/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

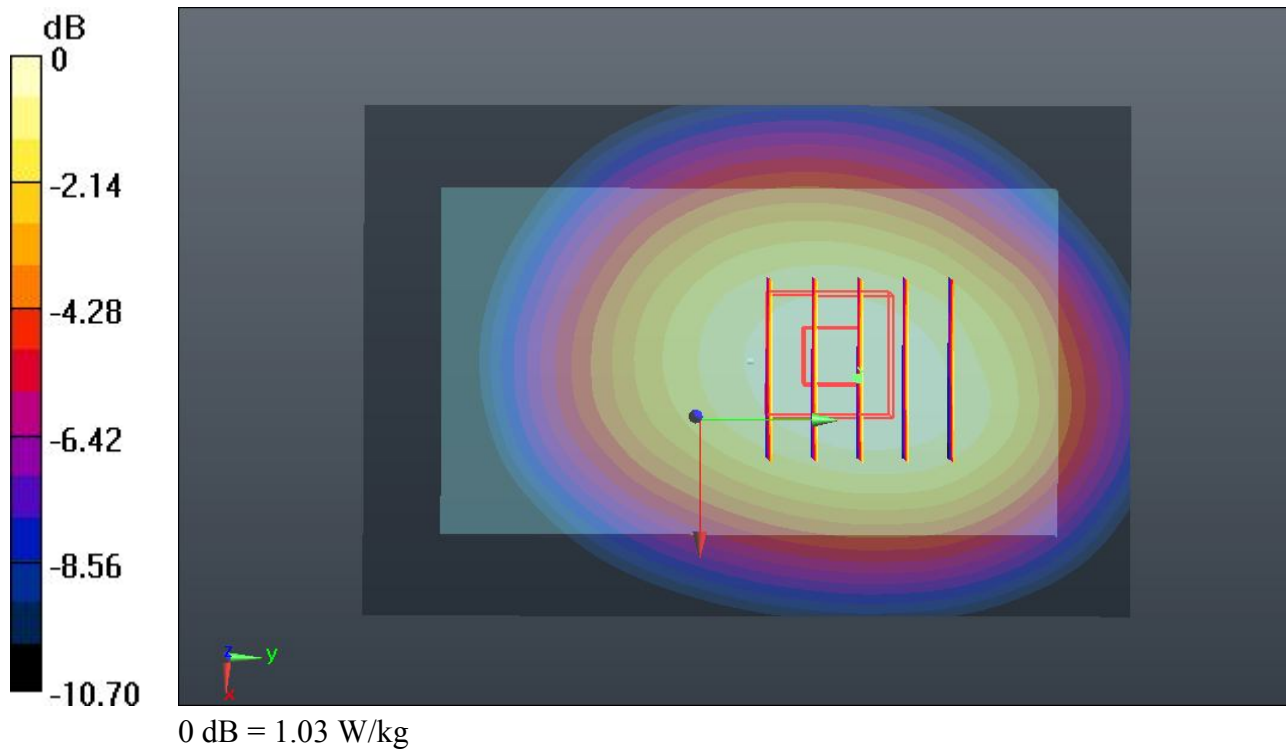
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.528 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.150 mW/g

SAR(1 g) = 0.883 mW/g; SAR(10 g) = 0.650 mW/g

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



#18 WCDMA Band V_RMC 12.2K_Back_1cm_Ch4132**DUT: 312313**

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

Medium: MSL_835_130321 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.962$ mho/m; $\epsilon_r = 56.57$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4132/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

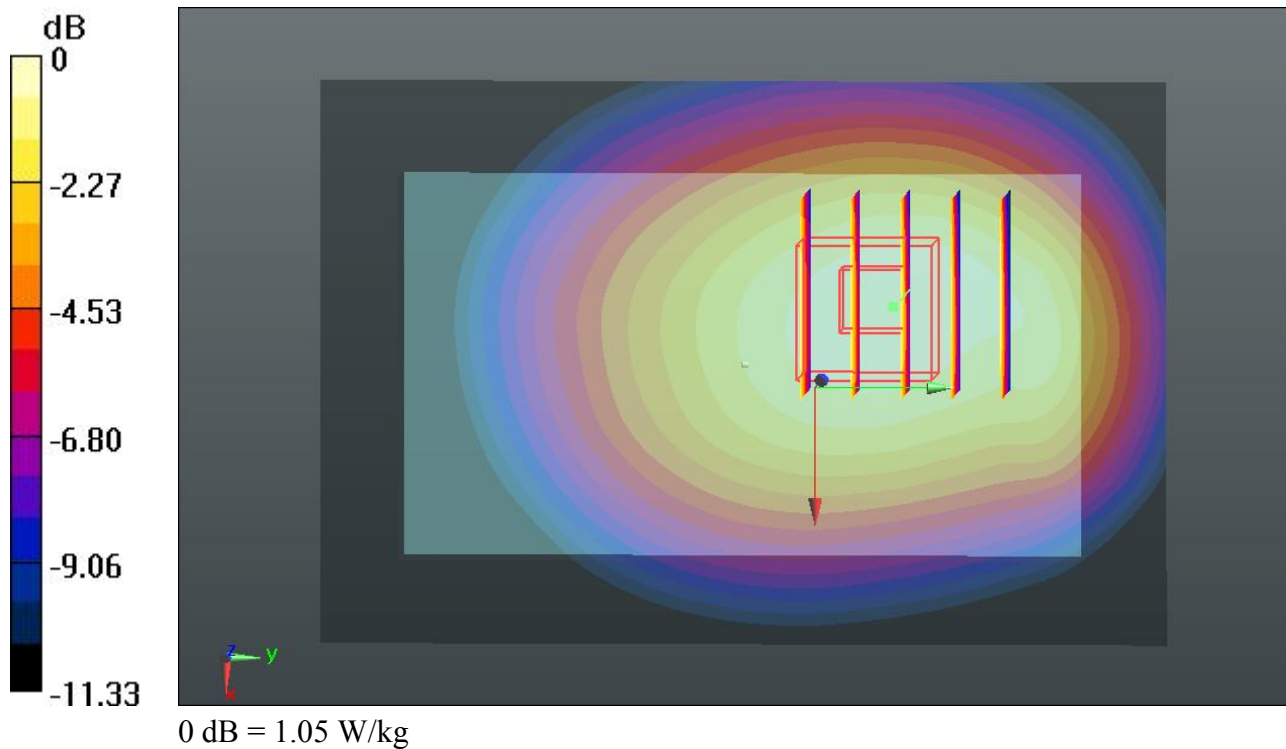
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.907 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.203 mW/g

SAR(1 g) = 0.881 mW/g; SAR(10 g) = 0.629 mW/g

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



#19 WCDMA Band V_RMC 12.2K_Back_1cm_Ch4233

DUT: 312313

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

Medium: MSL_835_130321 Medium parameters used: $f = 847$ MHz; $\sigma = 0.981$ mho/m; $\epsilon_r = 56.389$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

Ch4233/Area Scan (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

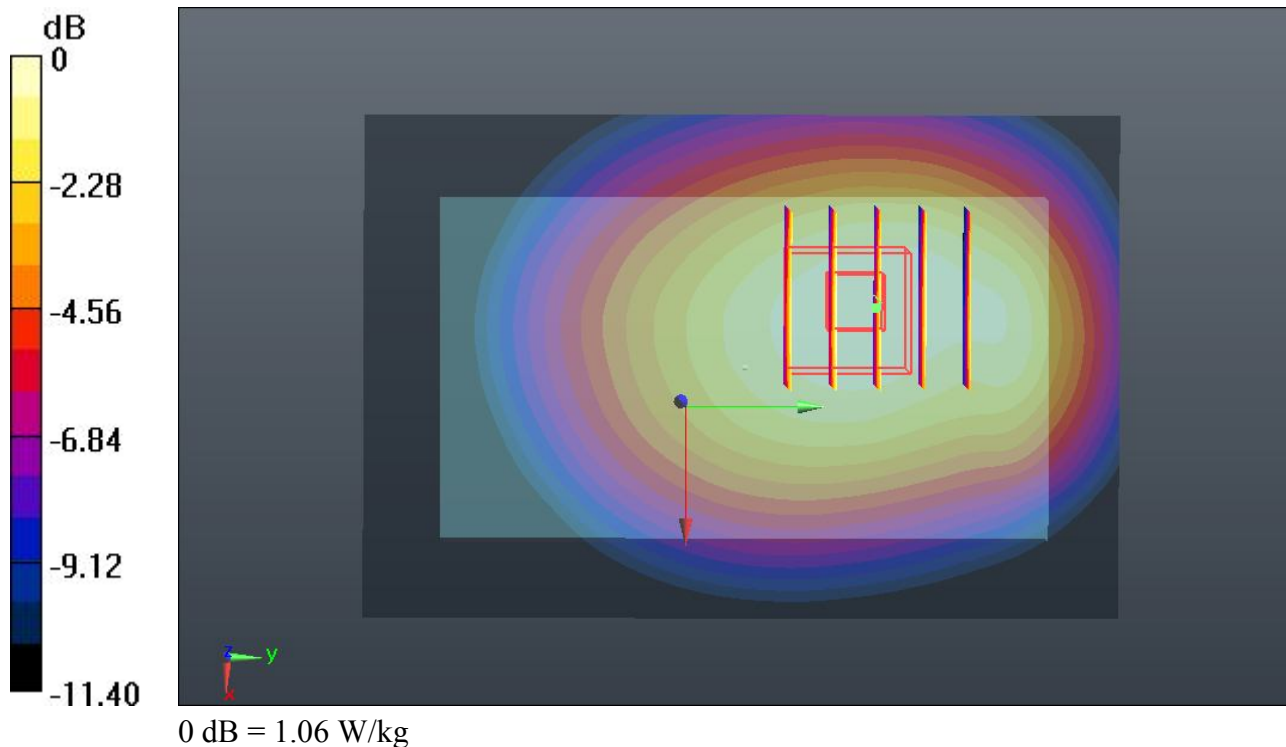
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.934 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.220 mW/g

SAR(1 g) = 0.897 mW/g; SAR(10 g) = 0.645 mW/g

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



#27 WCDMA Band II_RMC 12.2K_Front_1cm_Ch9262**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r =$

52.679; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (61x91x1): Interpolated grid: dx=15mm, dy=15mm

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

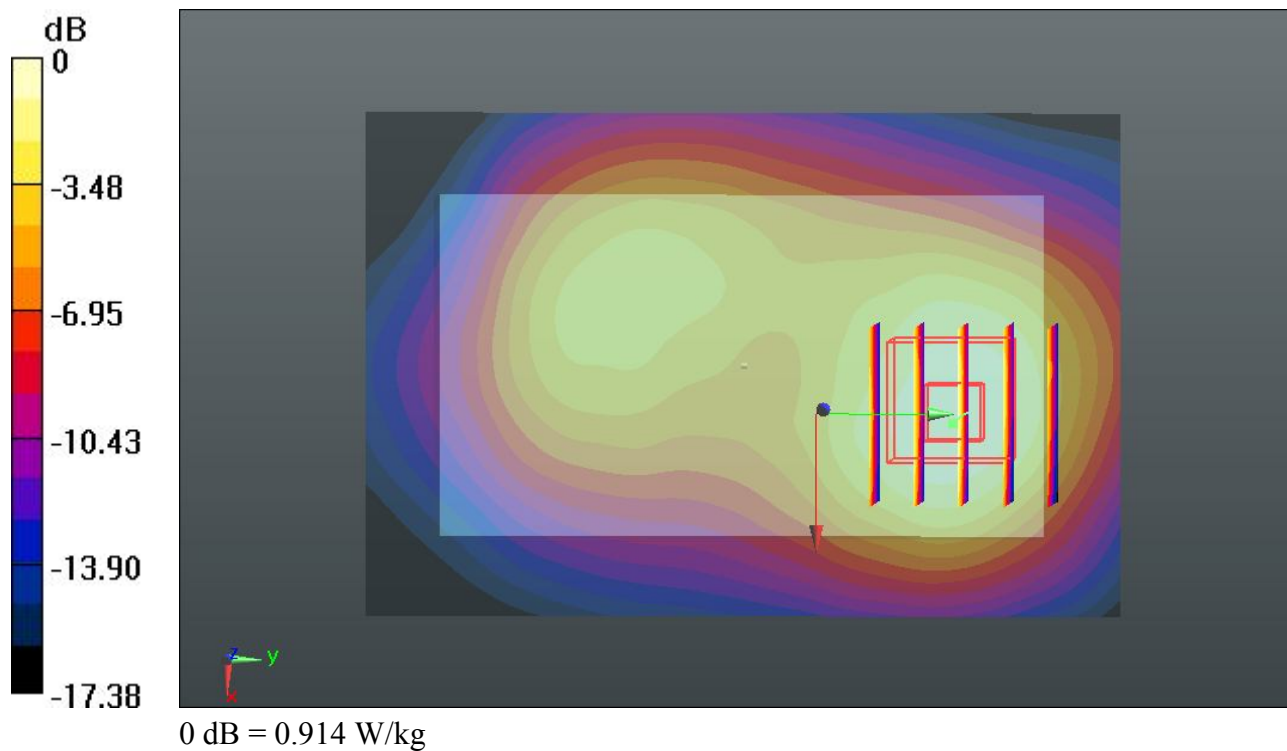
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.461 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.130 mW/g

SAR(1 g) = 0.691 mW/g; SAR(10 g) = 0.412 mW/g

Maximum value of SAR (measured) = 0.914 W/kg



#28 WCDMA Band II_RMC 12.2K_Back_1cm_Ch9262**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r =$

52.679; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.18 W/kg

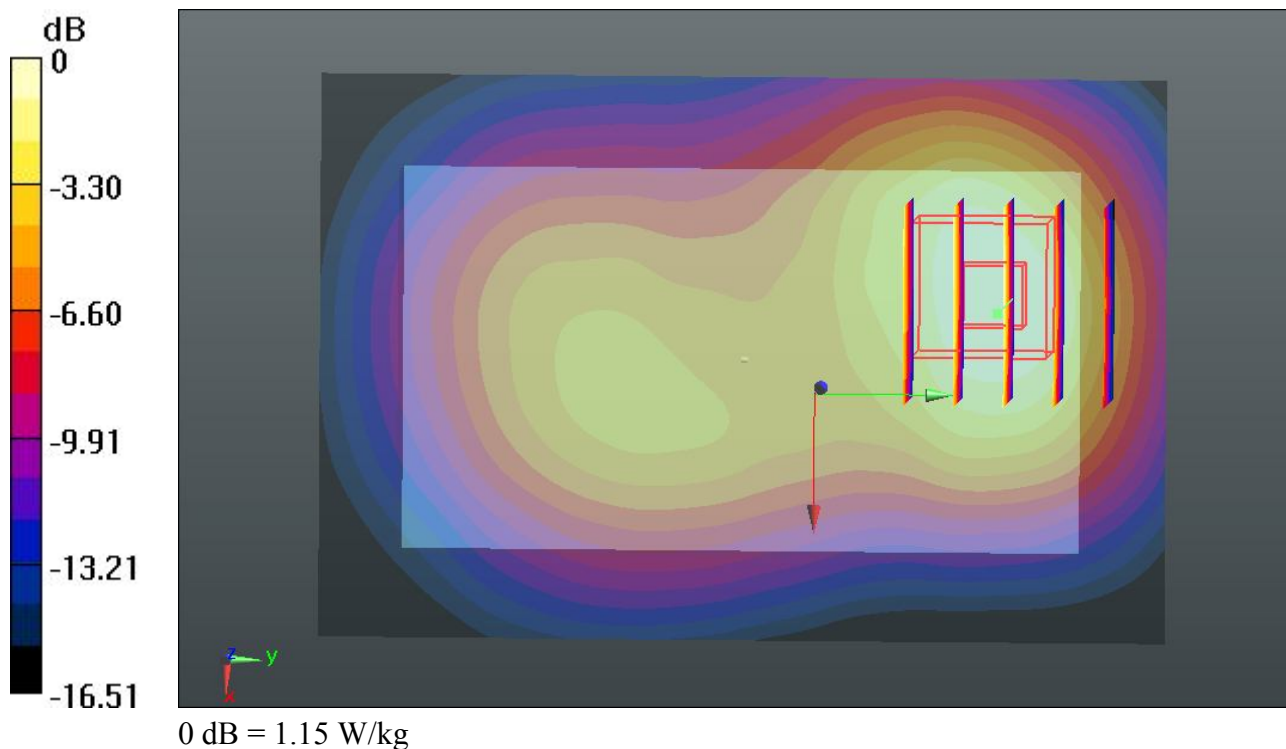
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.375 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.418 mW/g

SAR(1 g) = 0.874 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 1.15 W/kg



#29 WCDMA Band II_RMC 12.2K_Right Side_1cm_Ch9262**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r =$

52.679; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.44 W/kg

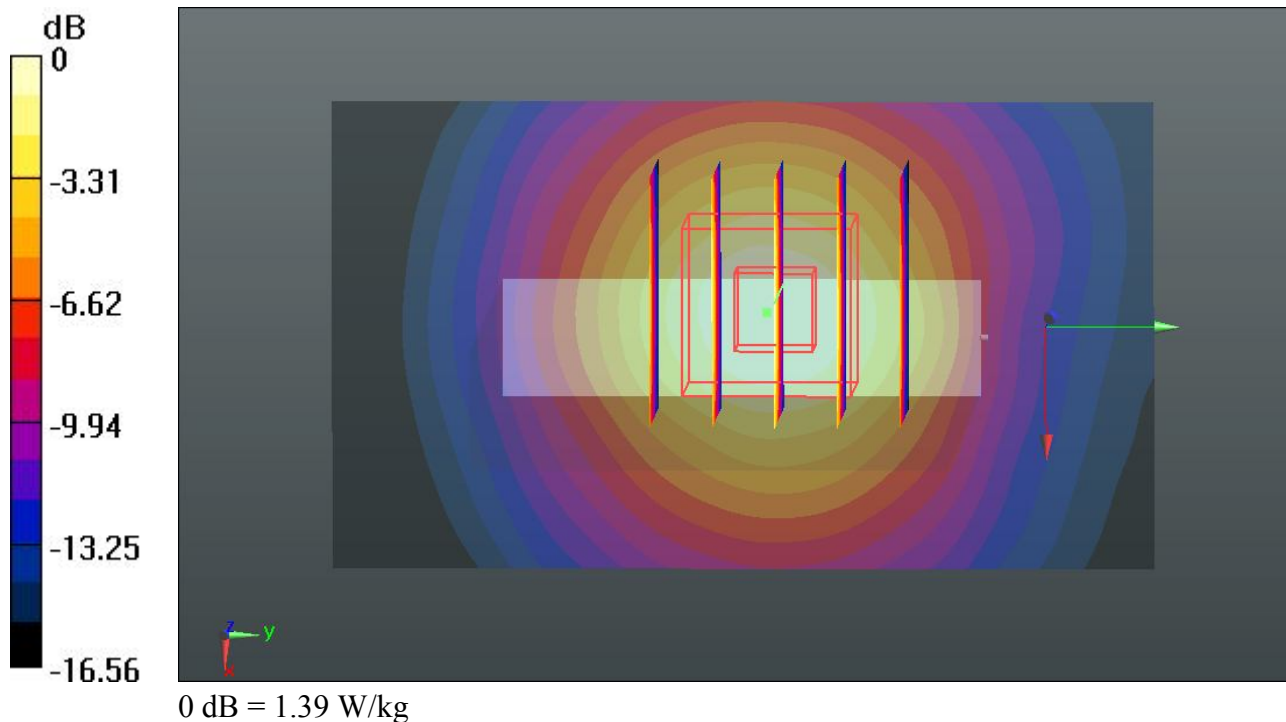
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.219 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.700 mW/g

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.583 mW/g

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



#44 WCDMA Band II_RMC 12.2K_Right Side_1cm_Ch9262_Repeat SAR

DUT: 312313

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r =$ 52.679; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (41x71x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.30 W/kg

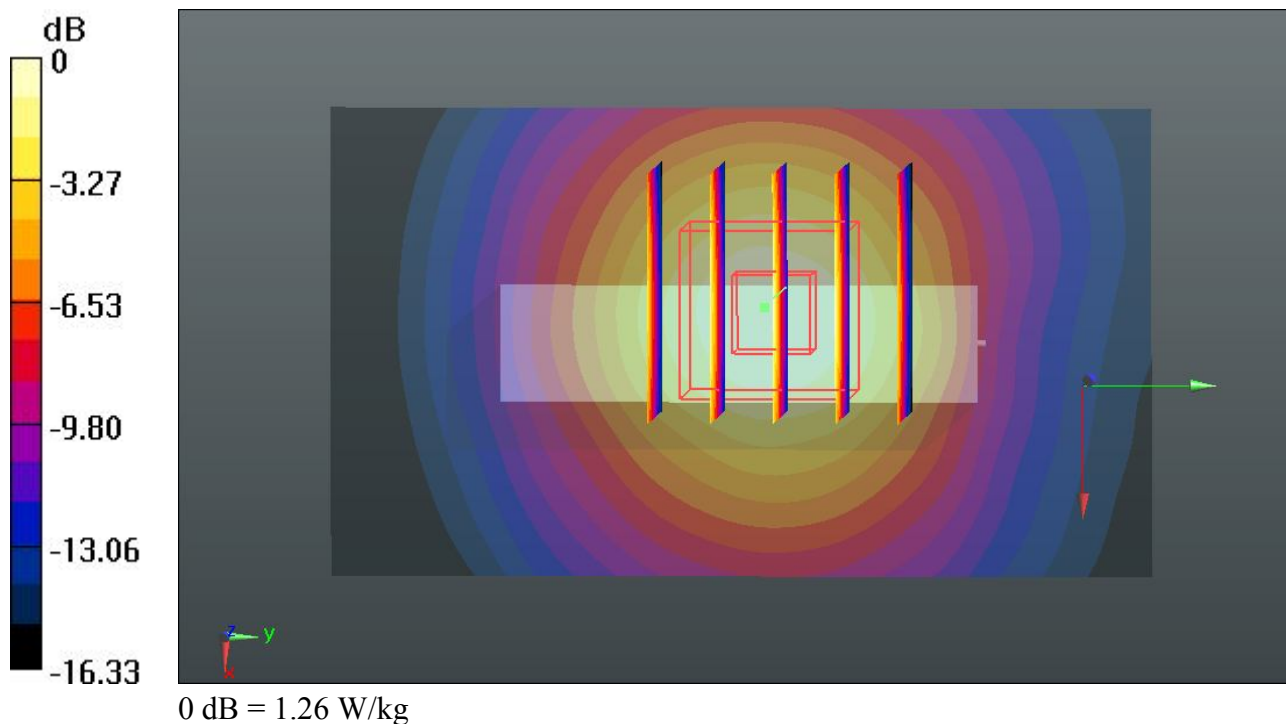
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.604 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.539 mW/g

SAR(1 g) = 0.938 mW/g; SAR(10 g) = 0.532 mW/g

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



#30 WCDMA Band II_RMC 12.2K_Top Side_1cm_Ch9262**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r =$

52.679; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (41x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.167 W/kg

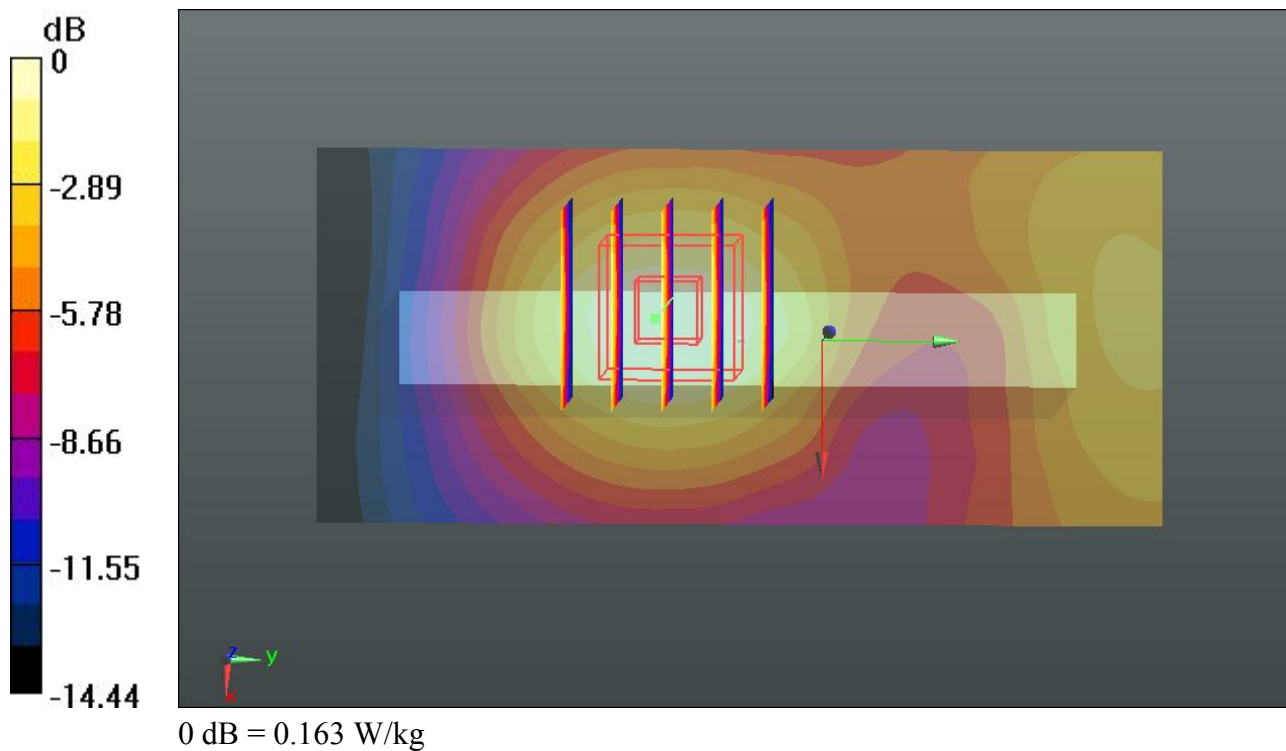
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.649 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.196 mW/g

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.076 mW/g

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



#31 WCDMA Band II_RMC 12.2K_Bottom Side_1cm_Ch9262**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.489$ mho/m; $\epsilon_r =$

52.679; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (41x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.431 W/kg

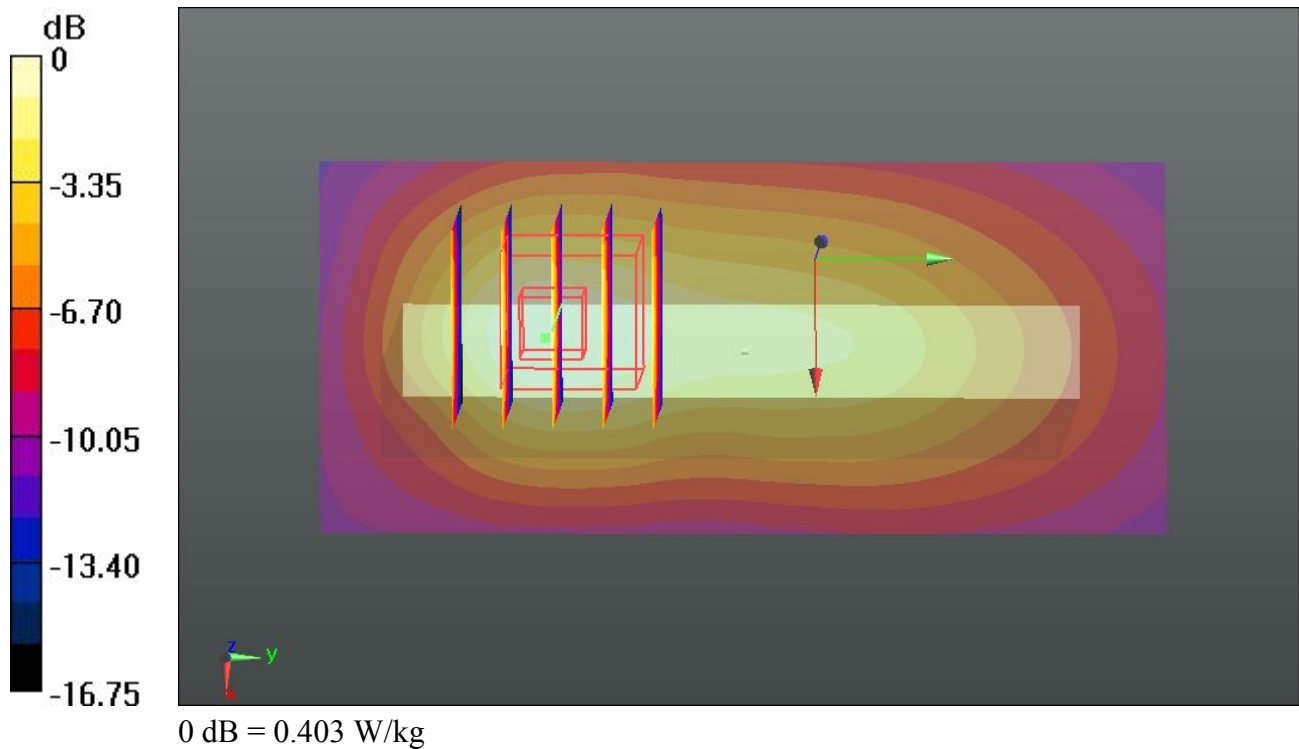
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.742 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.495 mW/g

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.403 W/kg



#34 WCDMA Band II_RMC 12.2K_Back_1cm_Ch9400**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.589$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.950 W/kg

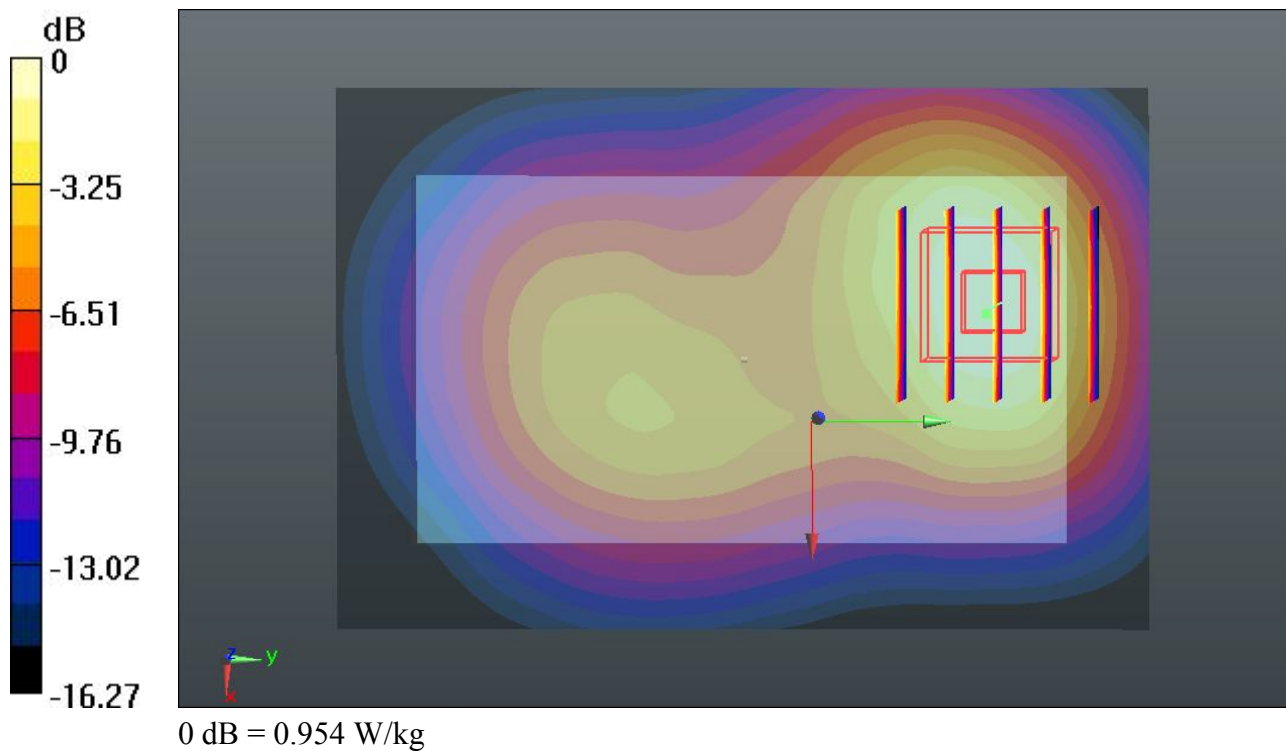
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.342 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.168 mW/g

SAR(1 g) = 0.713 mW/g; SAR(10 g) = 0.416 mW/g

Maximum value of SAR (measured) = 0.954 W/kg



#35 WCDMA Band II_RMC 12.2K_Back_1cm_Ch9538**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.552$ mho/m; $\epsilon_r =$

52.497 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (61x91x1): Interpolated grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.09 W/kg

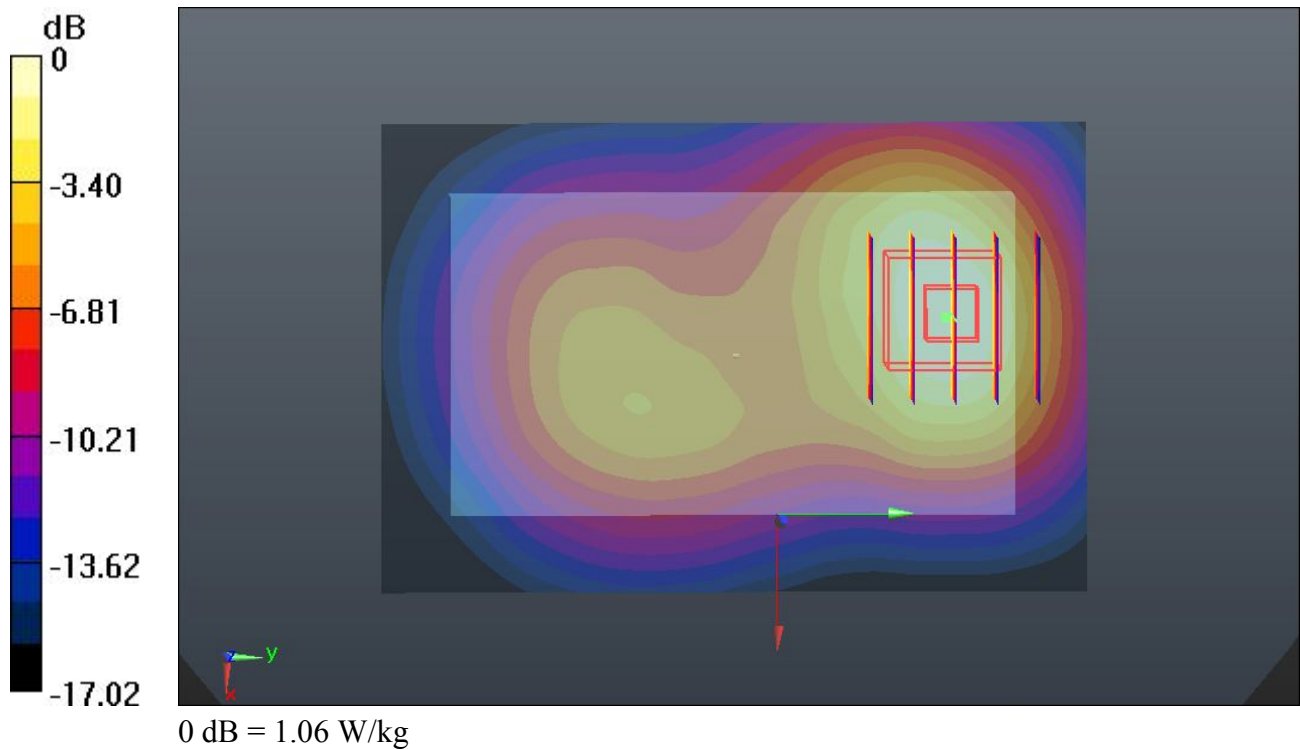
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.518 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.305 mW/g

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.456 mW/g

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



#36 WCDMA Band II_RMC 12.2K_Top Side_1cm_Ch9400**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.52$ mho/m; $\epsilon_r = 52.589$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (41x71x1): Interpolated grid: dx=15mm, dy=15mm

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

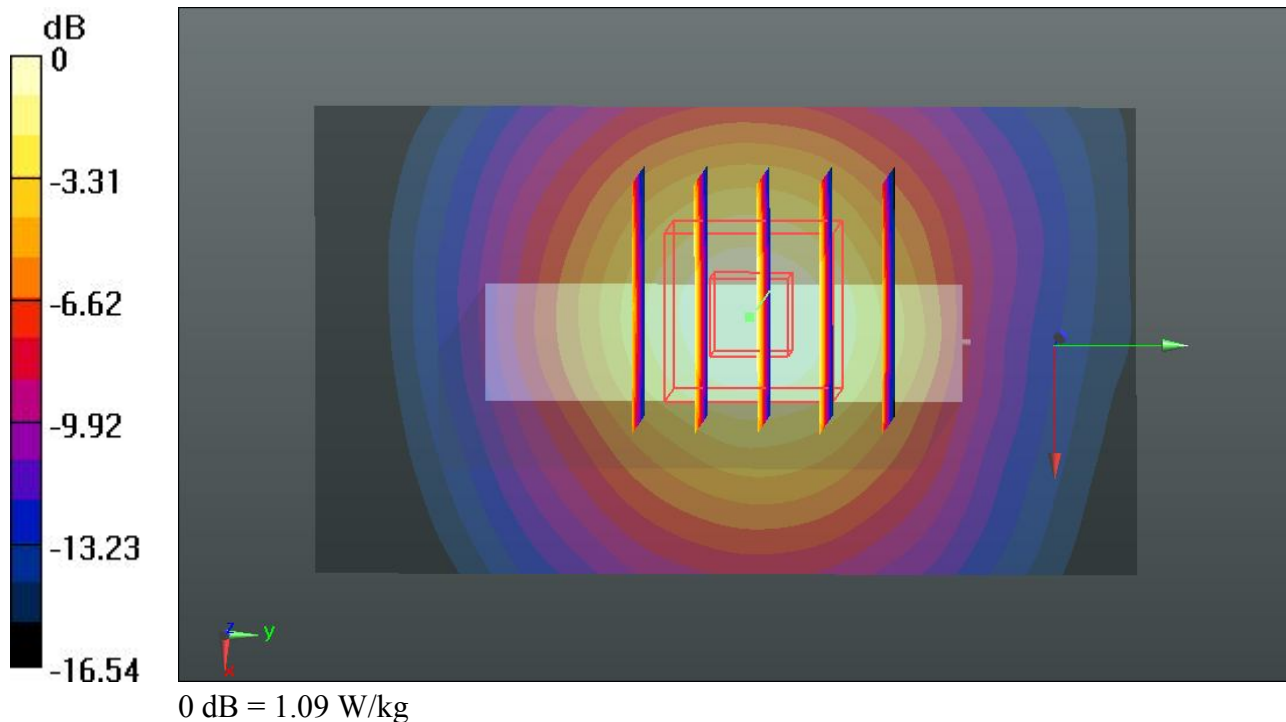
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.215 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.333 mW/g

SAR(1 g) = 0.803 mW/g; SAR(10 g) = 0.452 mW/g

Maximum value of SAR (measured) = 1.09 W/kg



#37 WCDMA Band II_RMC 12.2K_Top Side_1cm_Ch9538**DUT: 312313**

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

Medium: MSL_1900_130321 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.552$ mho/m; $\epsilon_r =$

52.497 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.2 °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 (41x71x1): Interpolated grid: $dx=15$ mm, $dy=15$ mm

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

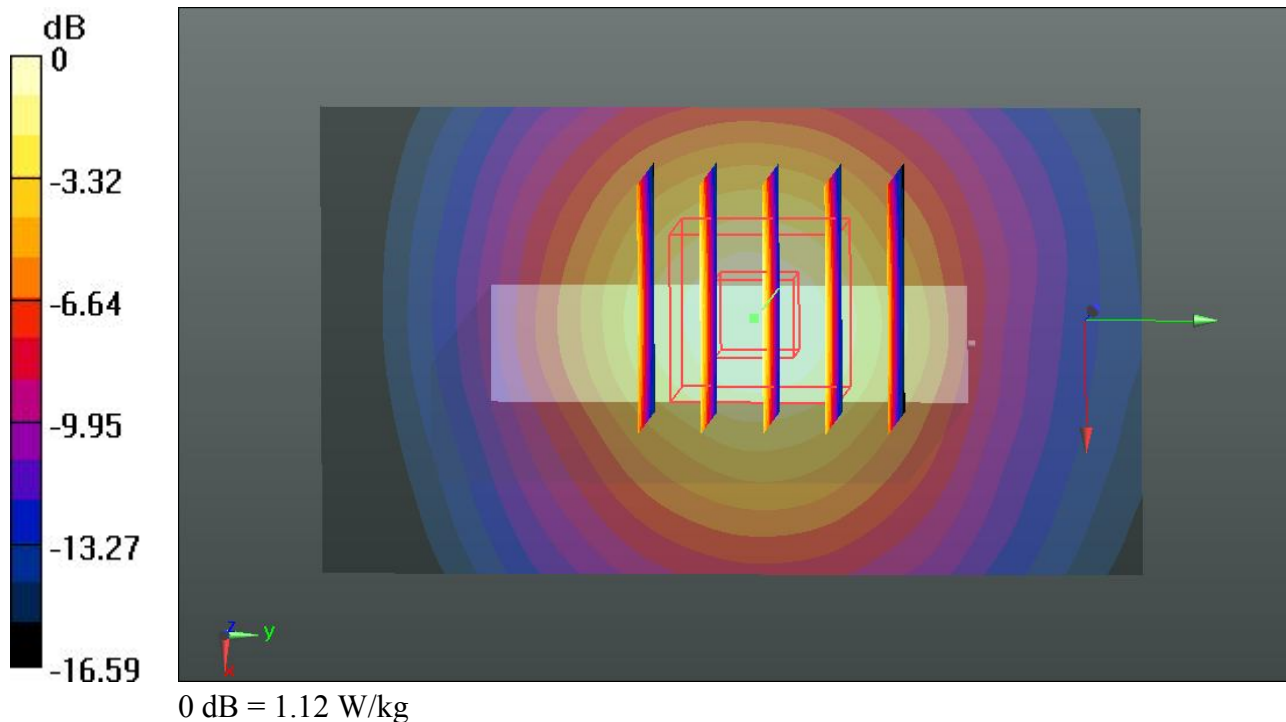
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 27.438 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.380 mW/g

SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.461 mW/g

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



#54 LTE Band 7_20M_QPSK 1RB 0offset_Front_1cm_Ch21020**DUT: 312313**

Communication System: LTE; Frequency: 2527 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2527$ MHz; $\sigma = 2.077$ mho/m; $\epsilon_r =$ 53.931; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch21020/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.926 W/kg

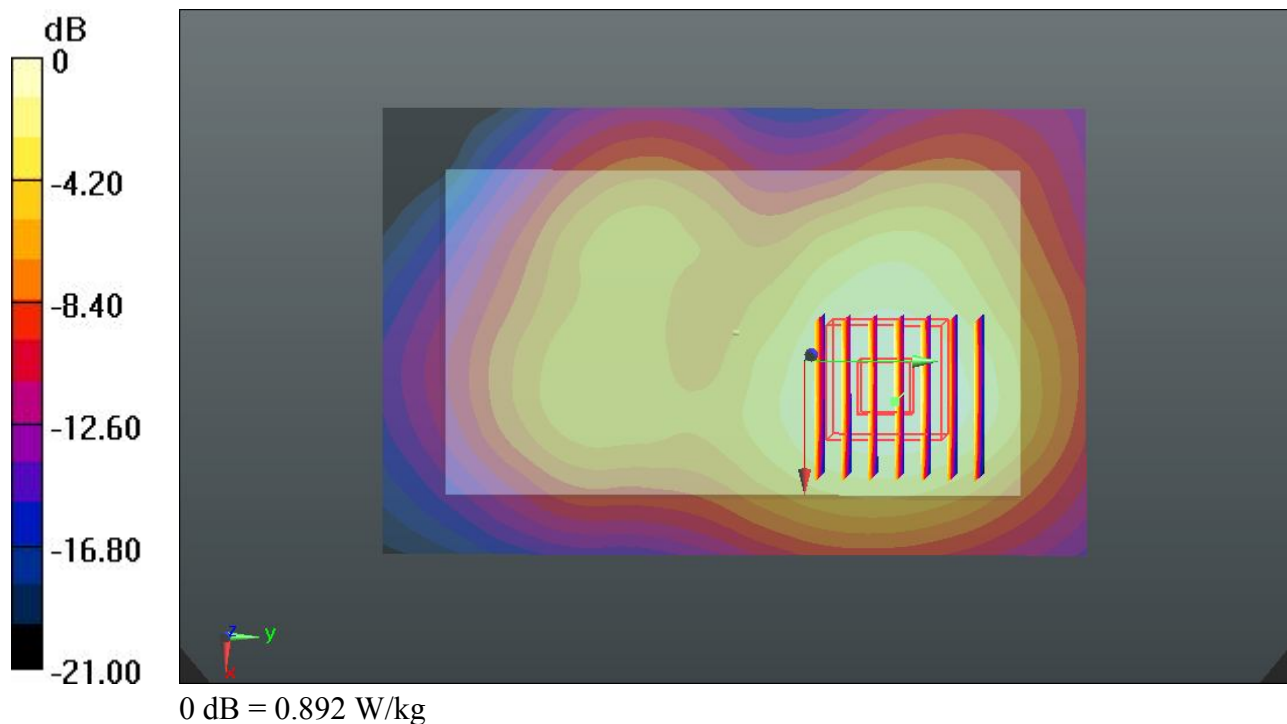
Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 20.979 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.186 mW/g

SAR(1 g) = 0.648 mW/g; SAR(10 g) = 0.363 mW/g

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



#55 LTE Band 7_20M_QPSK 1RB 0offset_Back_1cm_Ch21020**DUT: 312313**

Communication System: LTE; Frequency: 2527 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2527$ MHz; $\sigma = 2.077$ mho/m; $\epsilon_r =$

53.931; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch21020/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.739 W/kg

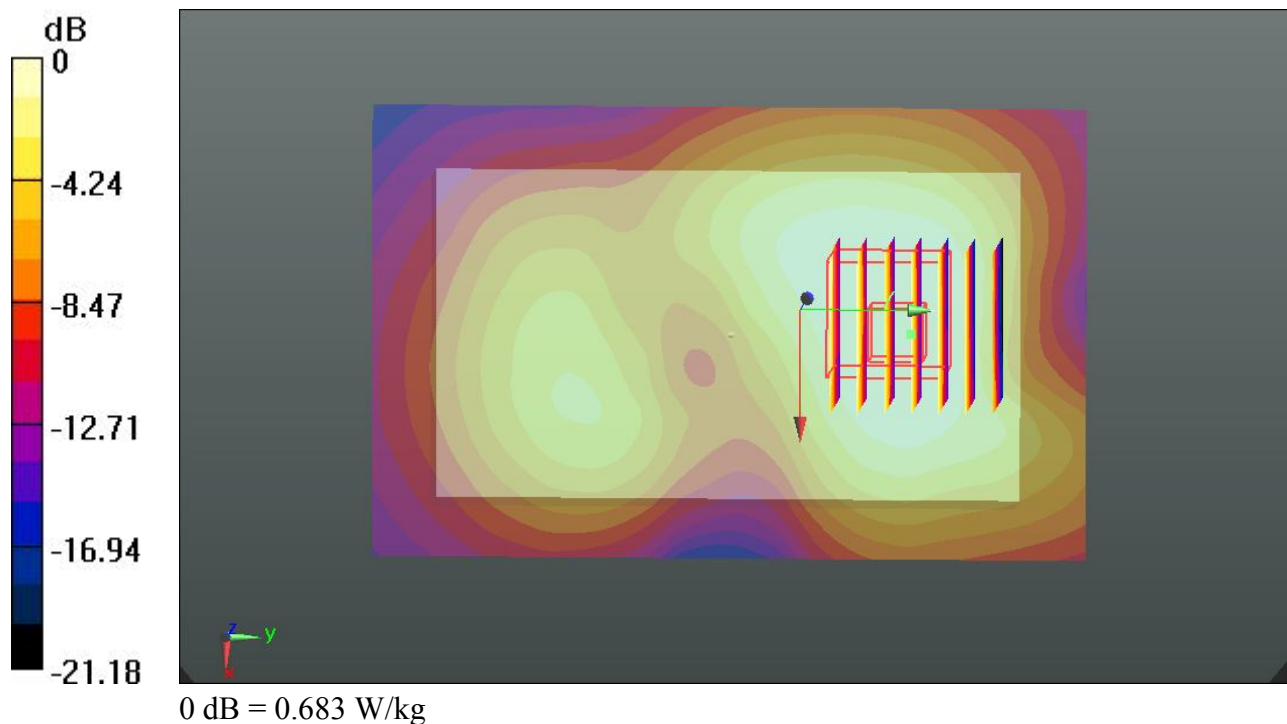
Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.755 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.894 mW/g

SAR(1 g) = 0.501 mW/g; SAR(10 g) = 0.292 mW/g

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



#56 LTE Band 7_20M_QPSK 1RB 0offset_Right Side_1cm_Ch21020**DUT: 312313**

Communication System: LTE; Frequency: 2527 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2527$ MHz; $\sigma = 2.077$ mho/m; $\epsilon_r =$

53.931; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch21020/Area Scan (51x81x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.529 W/kg

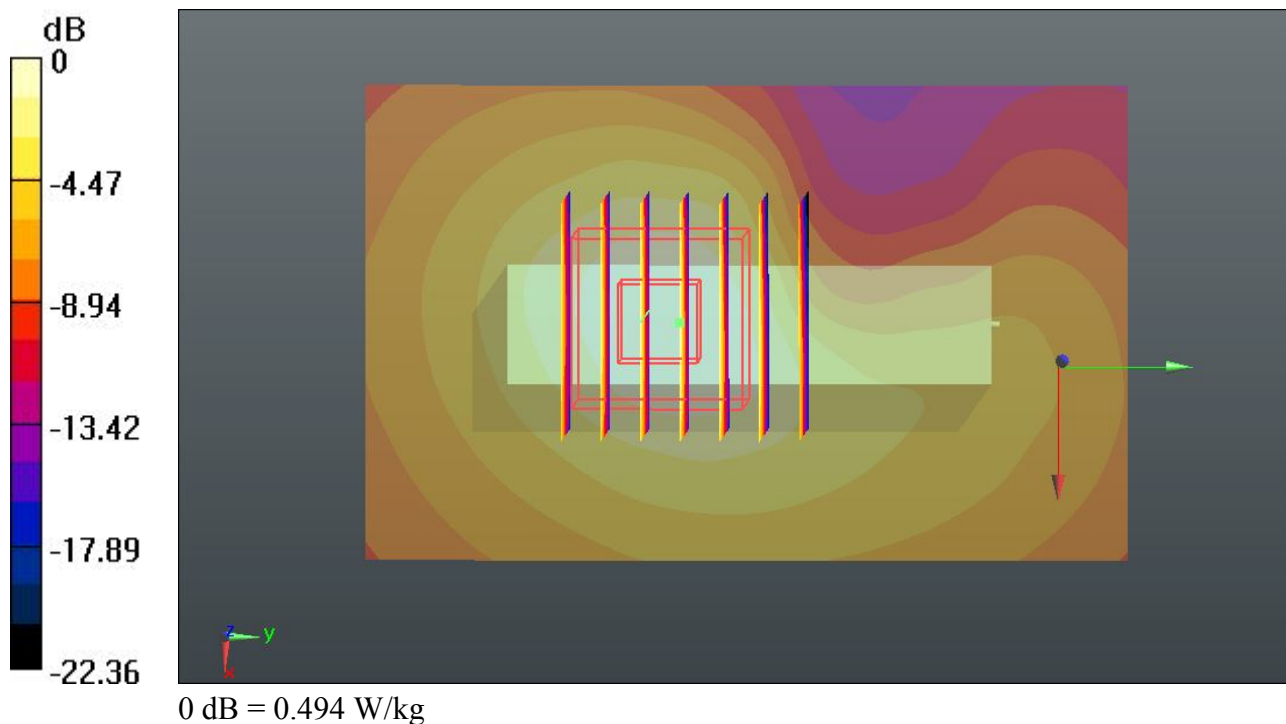
Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 15.450 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.671 mW/g

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.494 W/kg



#57 LTE Band 7_20M_QPSK 1RB 0offset_Top Side_1cm_Ch21020**DUT: 312313**

Communication System: LTE; Frequency: 2527 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2527$ MHz; $\sigma = 2.077$ mho/m; $\epsilon_r = 53.931$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch21020/Area Scan (51x111x1): Interpolated grid: dx=12mm, dy=12mm

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

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.178 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.404 mW/g

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.123 mW/g

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

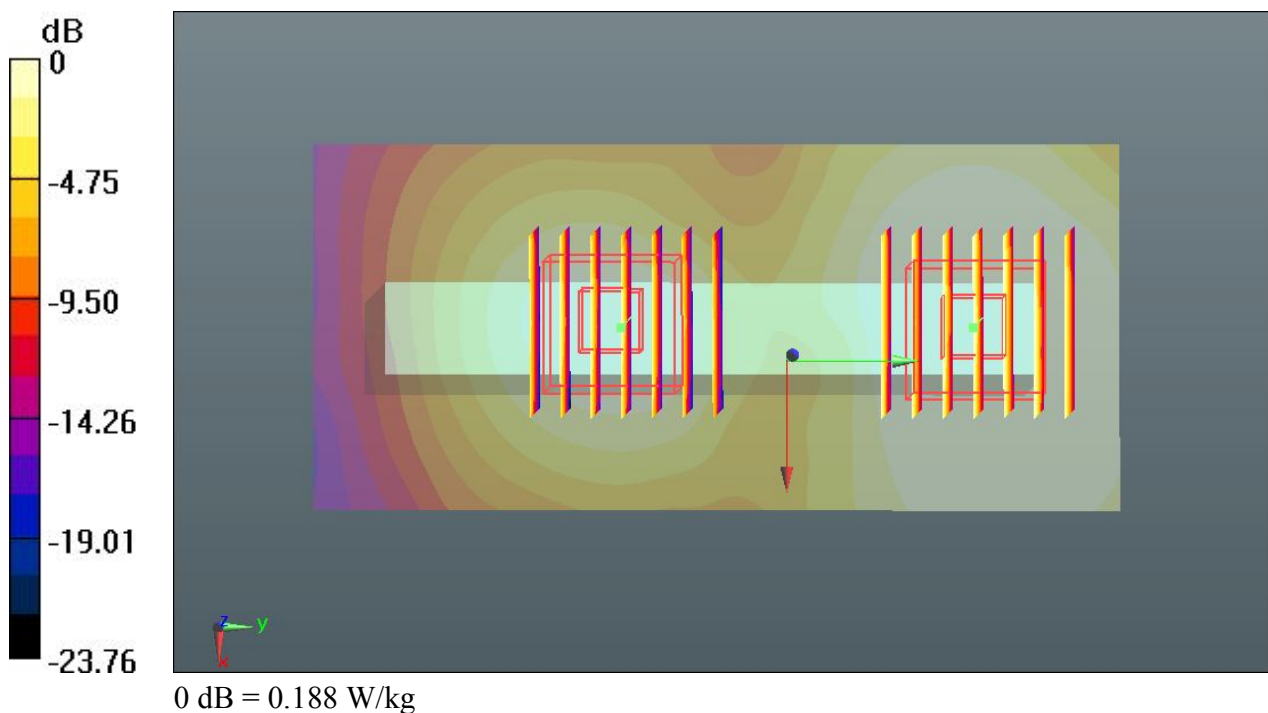
Ch21020/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 12.178 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.248 mW/g

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.188 W/kg



#58 LTE Band 7_20M_QPSK 1RB 0offset_Top Side_1cm_Ch21020**DUT: 312313**

Communication System: LTE; Frequency: 2527 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2527$ MHz; $\sigma = 2.077$ mho/m; $\epsilon_r = 53.931$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch21020/Area Scan (51x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.419 W/kg

Ch21020/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.486 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.570 mW/g

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.427 W/kg

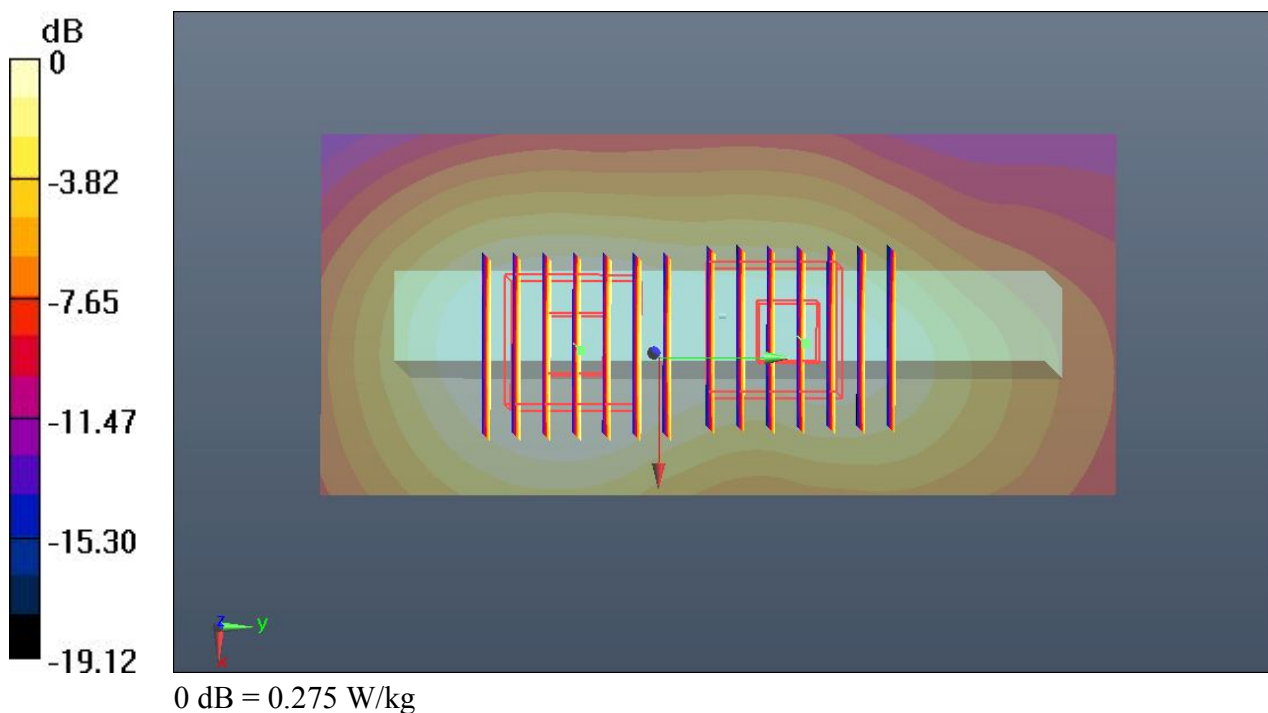
Ch21020/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 14.486 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.368 mW/g

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.275 W/kg



#59 LTE Band 7_20M_QPSK 50RB 49offset_Front_1cm_Ch20890**DUT: 312313**

Communication System: LTE; Frequency: 2514 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2514$ MHz; $\sigma = 2.063$ mho/m; $\epsilon_r =$ 53.984; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch20890/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

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

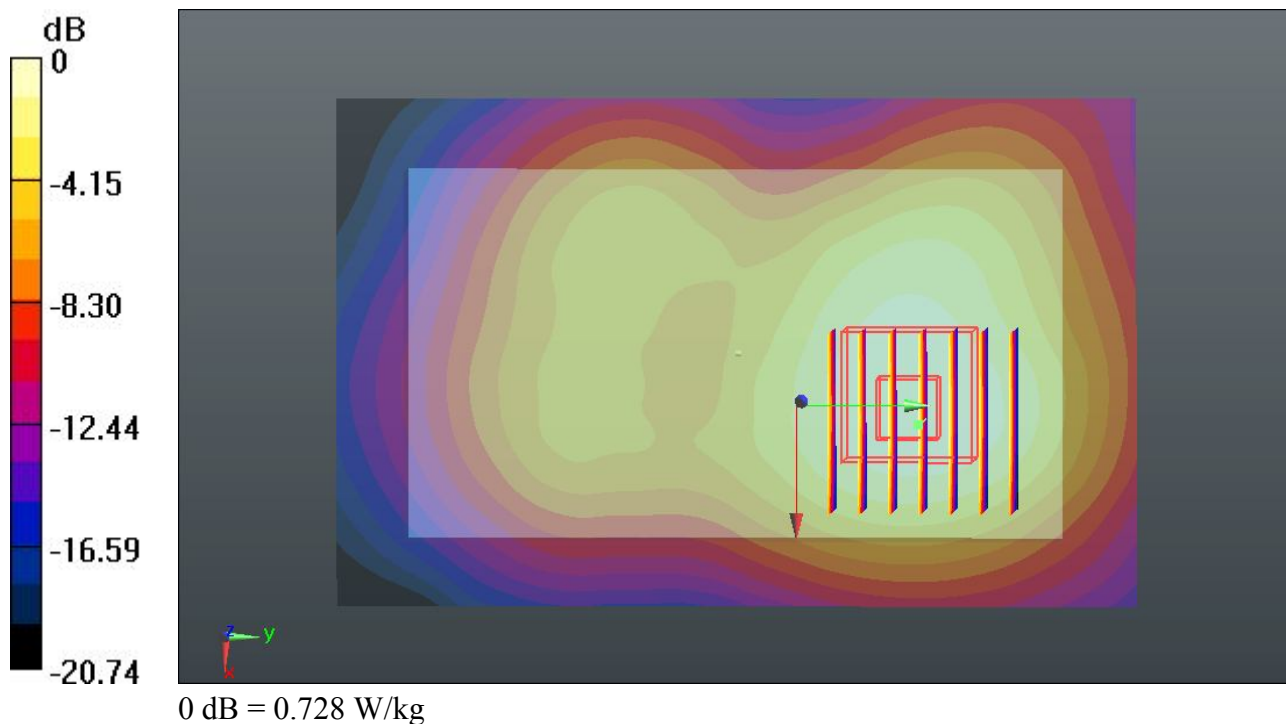
Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 18.463 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.962 mW/g

SAR(1 g) = 0.524 mW/g; SAR(10 g) = 0.296 mW/g

Maximum value of SAR (measured) = 0.728 W/kg



#60 LTE Band 7_20M_QPSK 50RB 49offset_Back_1cm_Ch20890**DUT: 312313**

Communication System: LTE; Frequency: 2514 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2514$ MHz; $\sigma = 2.063$ mho/m; $\epsilon_r =$ 53.984; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch20890/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.555 W/kg

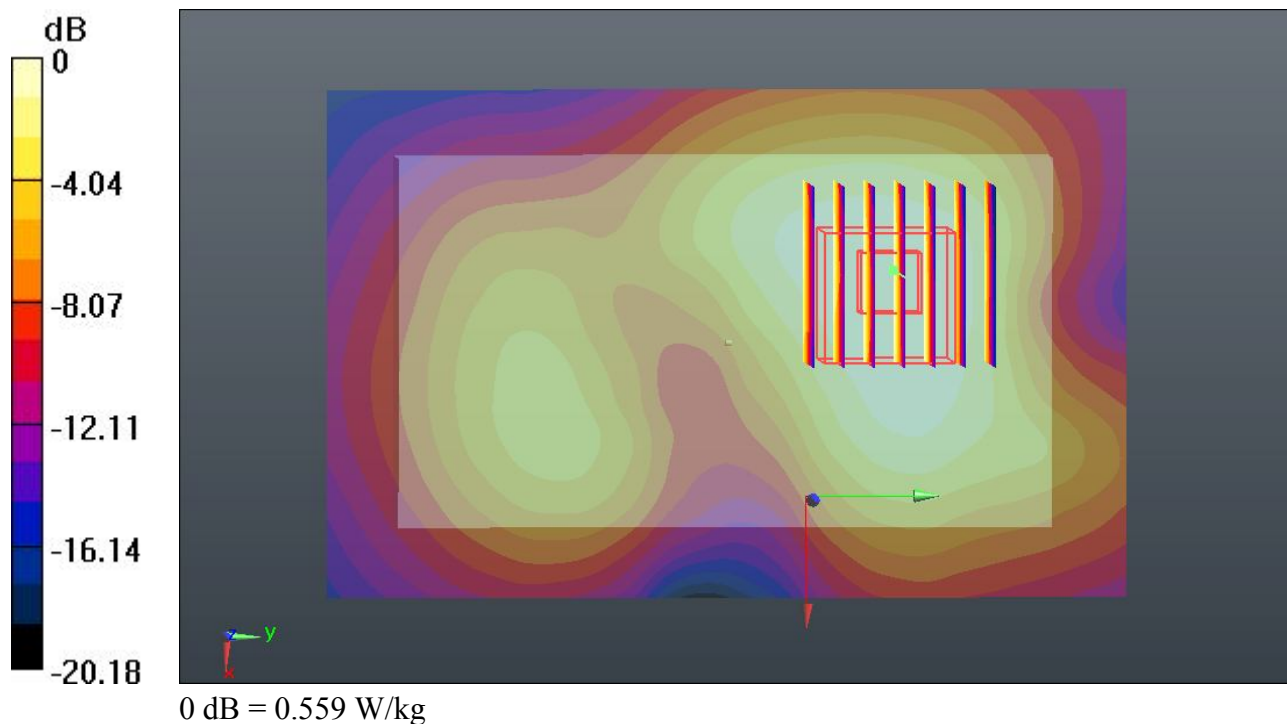
Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 16.805 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.729 mW/g

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.559 W/kg



#61 LTE Band 7_20M_QPSK 50RB 49offset_Right Side_1cm_Ch20890**DUT: 312313**

Communication System: LTE; Frequency: 2514 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2514$ MHz; $\sigma = 2.063$ mho/m; $\epsilon_r =$ 53.984; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch20890/Area Scan (51x81x1): Interpolated grid: dx=12mm, dy=12mm

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

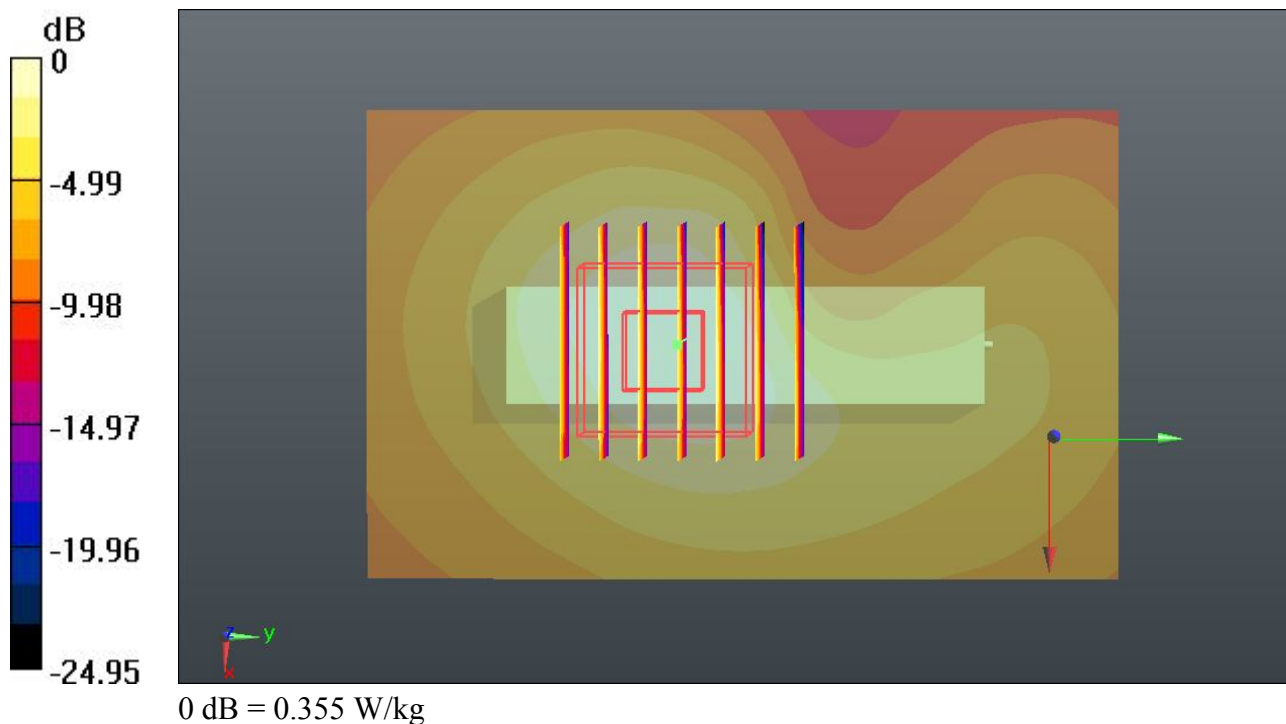
Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.349 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.481 mW/g

SAR(1 g) = 0.250 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.355 W/kg



#62 LTE Band 7_20M_QPSK 50RB 49offset_Top Side_1cm_Ch20890**DUT: 312313**

Communication System: LTE; Frequency: 2514 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2514$ MHz; $\sigma = 2.063$ mho/m; $\epsilon_r =$

53.984; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch20890/Area Scan (51x111x1): Interpolated grid: dx=12mm, dy=12mm

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

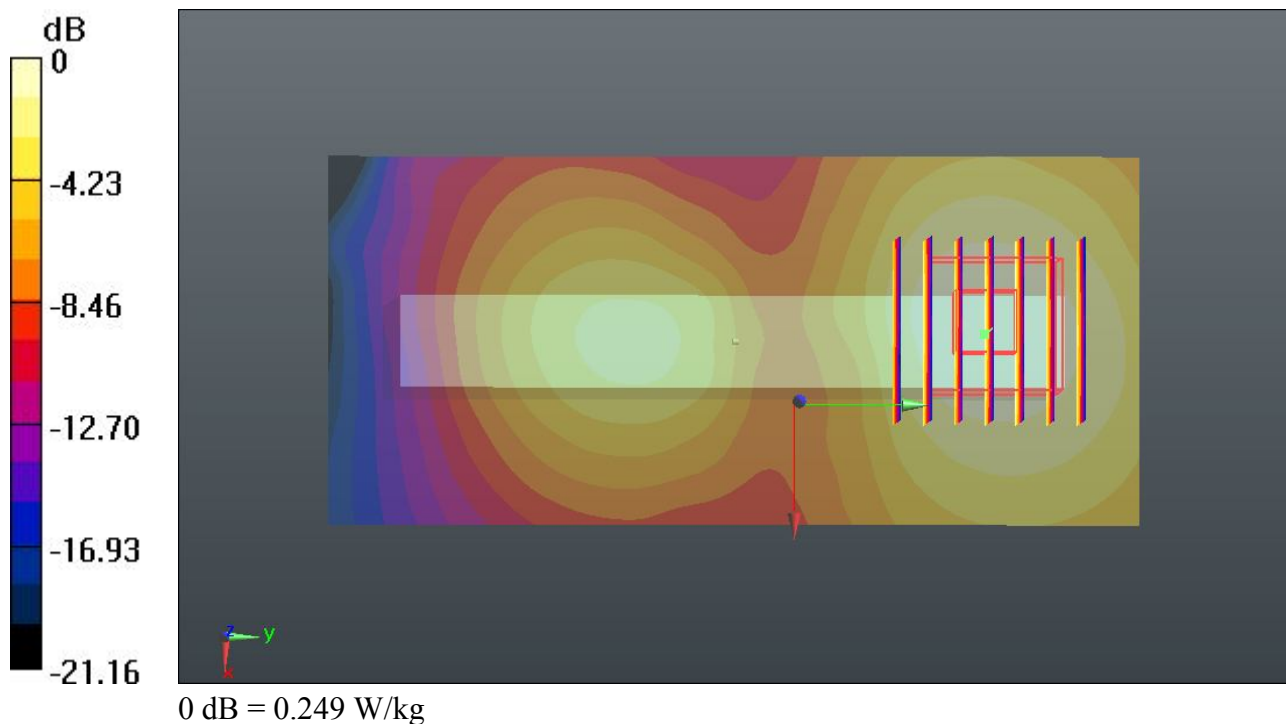
Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.940 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.327 mW/g

SAR(1 g) = 0.175 mW/g; SAR(10 g) = 0.096 mW/g

Maximum value of SAR (measured) = 0.249 W/kg



#63 LTE Band 7_20M_QPSK 50RB 49offset_Bottom Side_1cm_Ch20890**DUT: 312313**

Communication System: LTE; Frequency: 2514 MHz; Duty Cycle: 1:1

Medium: MSL_2600_130411 Medium parameters used: $f = 2514$ MHz; $\sigma = 2.063$ mho/m; $\epsilon_r =$

53.984; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(6.89, 6.89, 6.89); 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)

Ch20890/Area Scan (51x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.288 W/kg

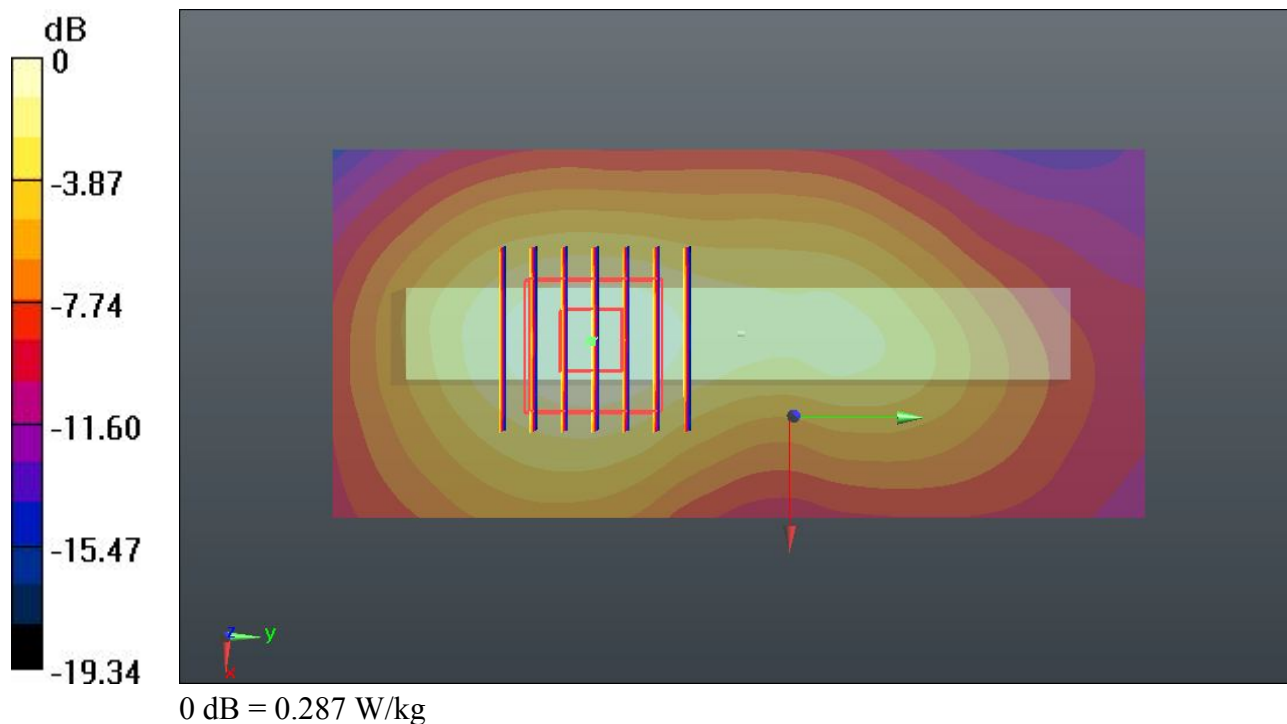
Ch20890/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.970 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.381 mW/g

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.107 mW/g

Maximum value of SAR (measured) = 0.287 W/kg



#64 WLAN2.4GHz_802.11b_WLAN Ant. 1_Front_1cm_Ch11

DUT: 312313

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$ 53.843; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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 (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.107 W/kg

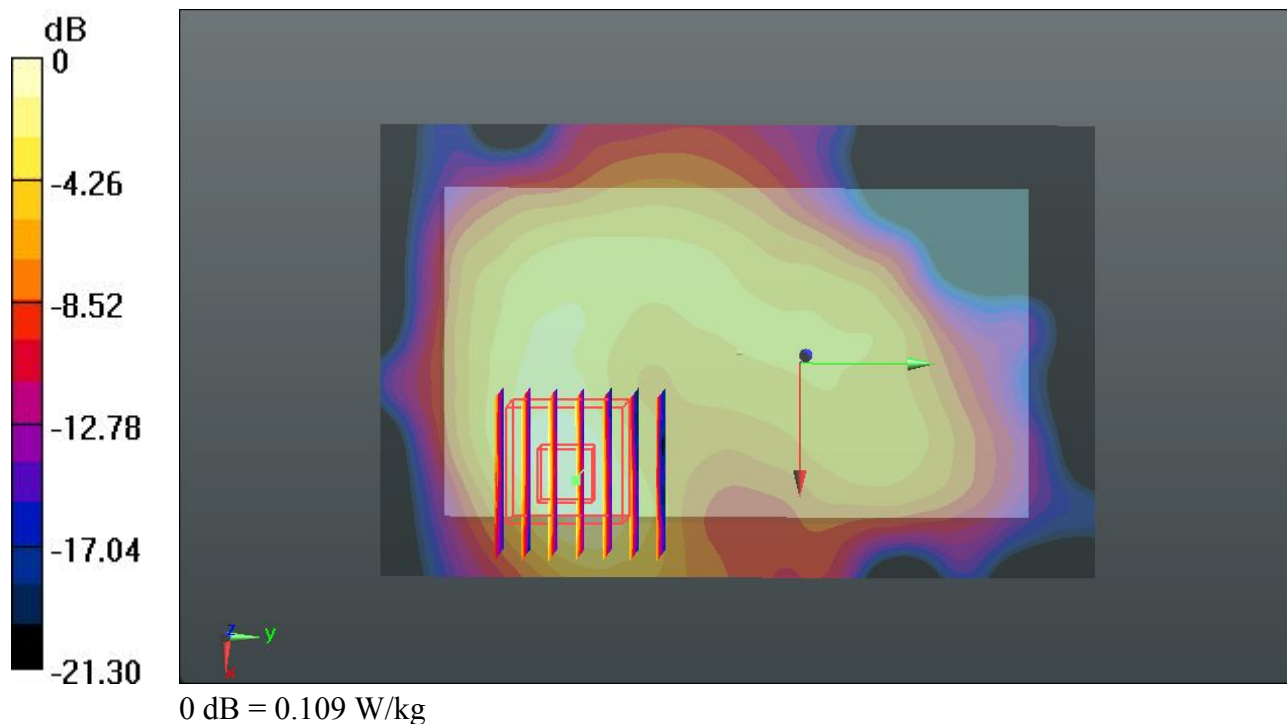
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.488 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.228 mW/g

SAR(1 g) = 0.071 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.109 W/kg



#65 WLAN2.4GHz_802.11b_WLAN Ant. 1_Back_1cm_Ch11**DUT: 312313**

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r = 53.843$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C; Liquid Temperature : 21.9 °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 (71x111x1): Interpolated grid: dx=12mm, dy=12mm

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

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

Reference Value = 10.081 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.240 mW/g

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.080 mW/g

Maximum value of SAR (measured) = 0.188 W/kg

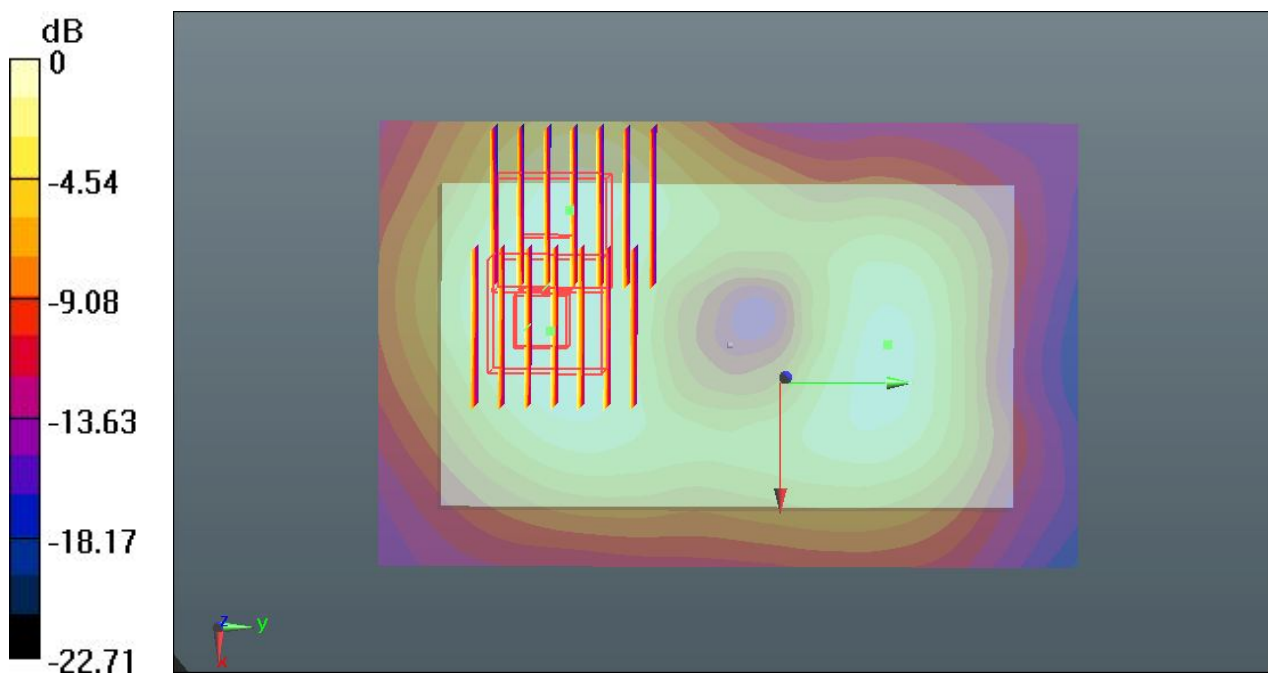
Ch11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 10.081 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.236 mW/g

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.185 W/kg



0 dB = 0.185 W/kg

#66 WLAN2.4GHz_802.11b_WLAN Ant. 1_Left Side_1cm_Ch11

DUT: 312313

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$ 53.843 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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 (51x81x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0395 W/kg

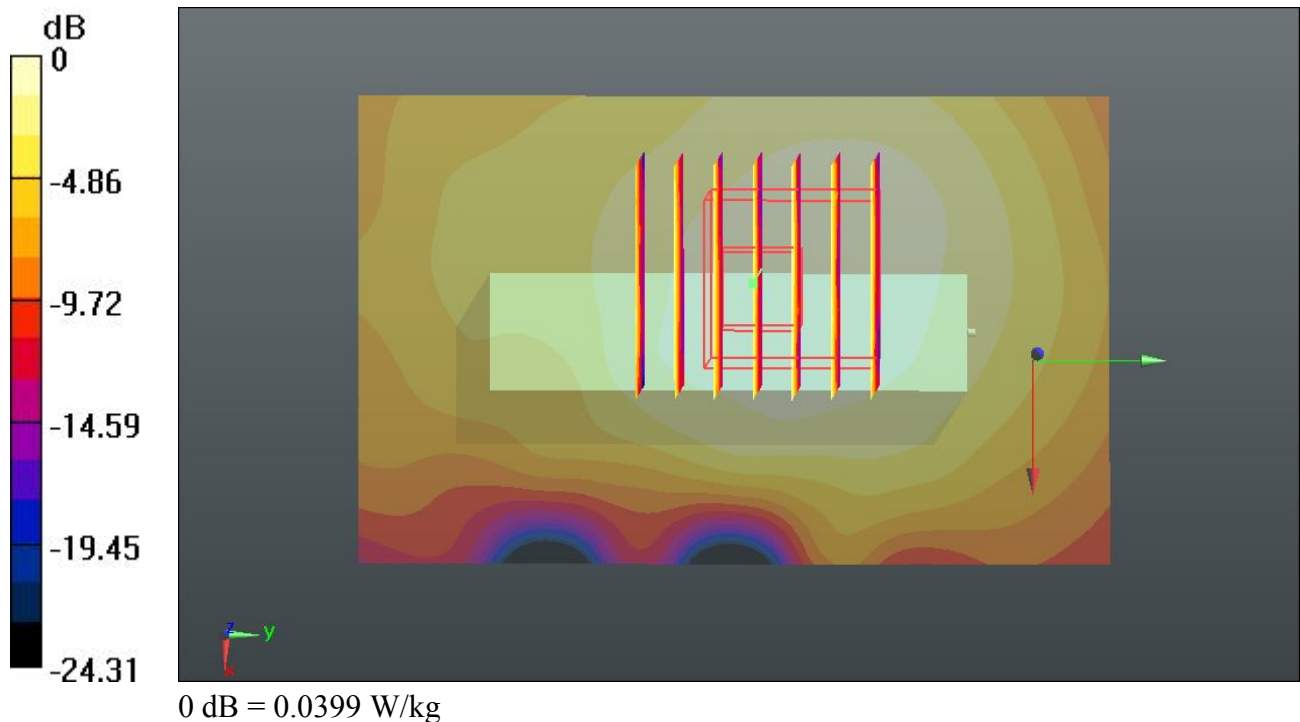
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.523 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.050 mW/g

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.0399 W/kg



#67 WLAN2.4GHz_802.11b_WLAN Ant. 1_Bottom Side_1cm_Ch11

DUT: 312313

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$ 53.843; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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 (51x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.144 W/kg

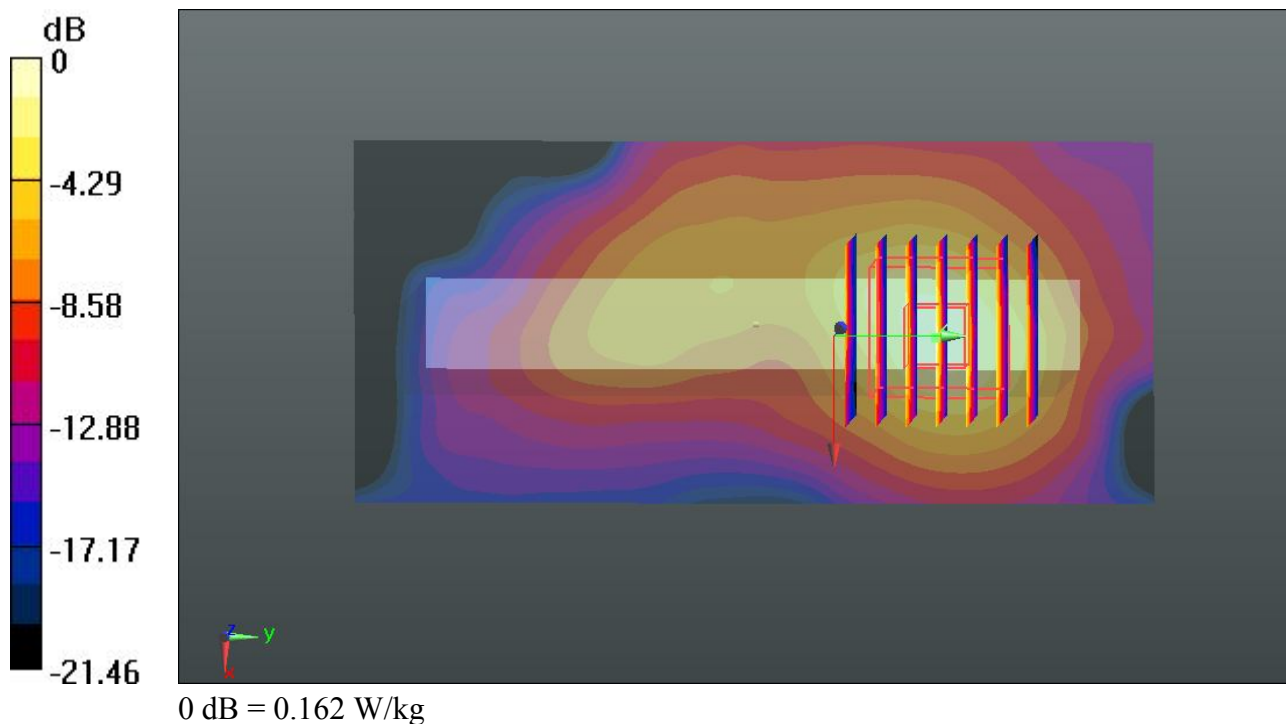
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 8.875 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.212 mW/g

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.048 mW/g

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



#68 WLAN2.4GHz_802.11b_WLAN Ant. 2_Front_1cm_Ch6

DUT: 312313

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.922$ mho/m; $\epsilon_r =$ 53.921; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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)

Ch6/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.271 W/kg

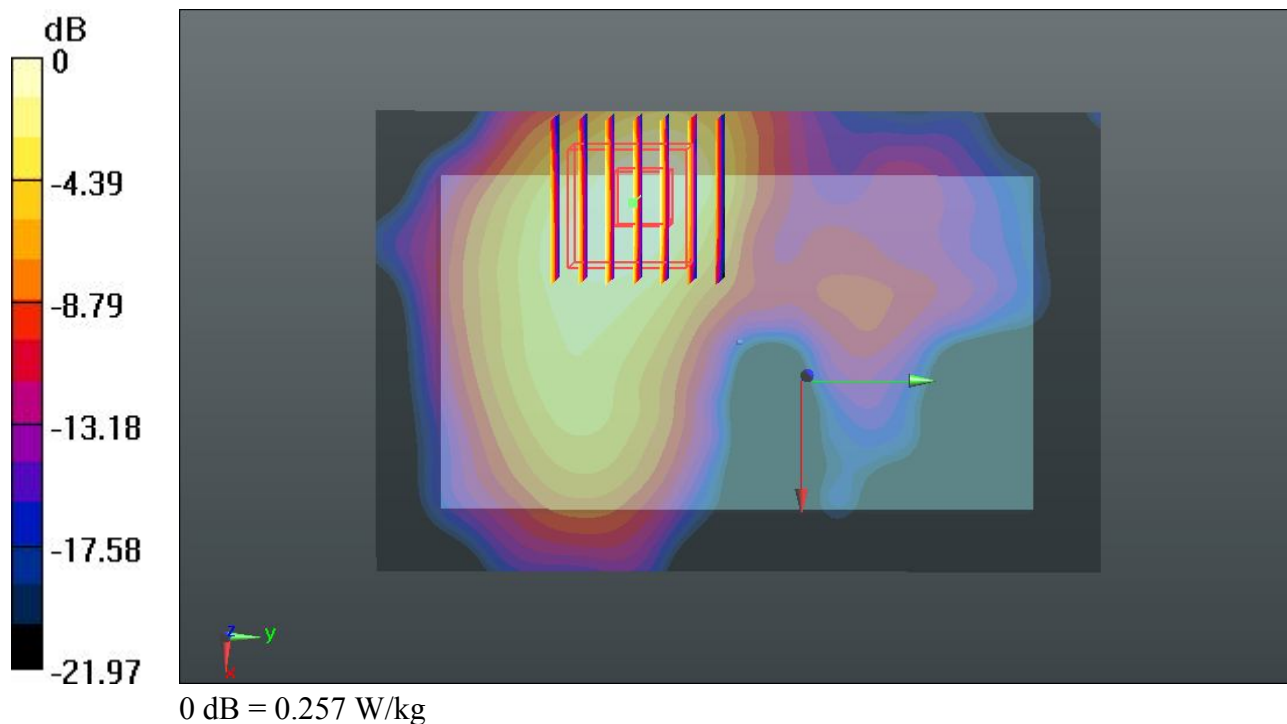
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 11.622 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.339 mW/g

SAR(1 g) = 0.178 mW/g; SAR(10 g) = 0.091 mW/g

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



#69 WLAN2.4GHz_802.11b_WLAN Ant. 2_Back_1cm_Ch6

DUT: 312313

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.922$ mho/m; $\epsilon_r =$ 53.921; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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)

Ch6/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.186 W/kg

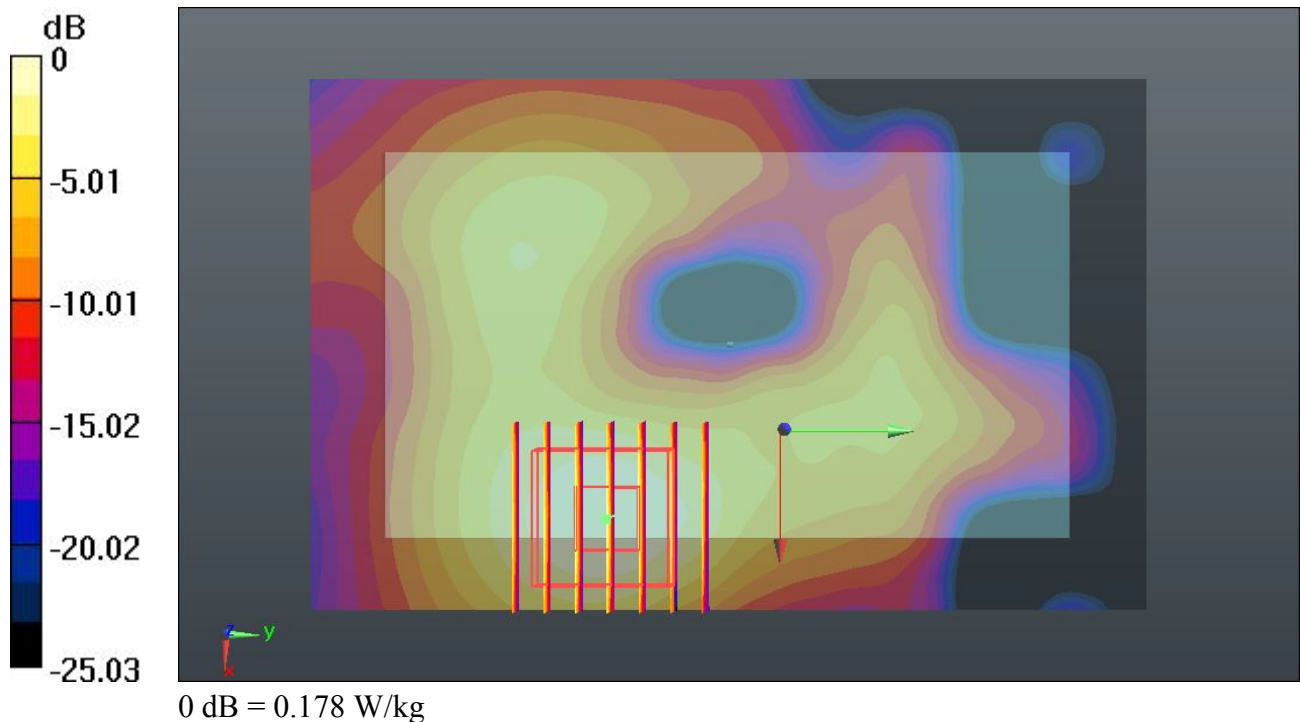
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 9.615 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.236 mW/g

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.178 W/kg



#70 WLAN2.4GHz_802.11b_WLAN Ant. 2_Top Side_1cm_Ch6**DUT: 312313**

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

Medium: MSL_2450_130411 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.922$ mho/m; $\epsilon_r =$

53.921; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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)

Ch6/Area Scan (41x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.411 W/kg

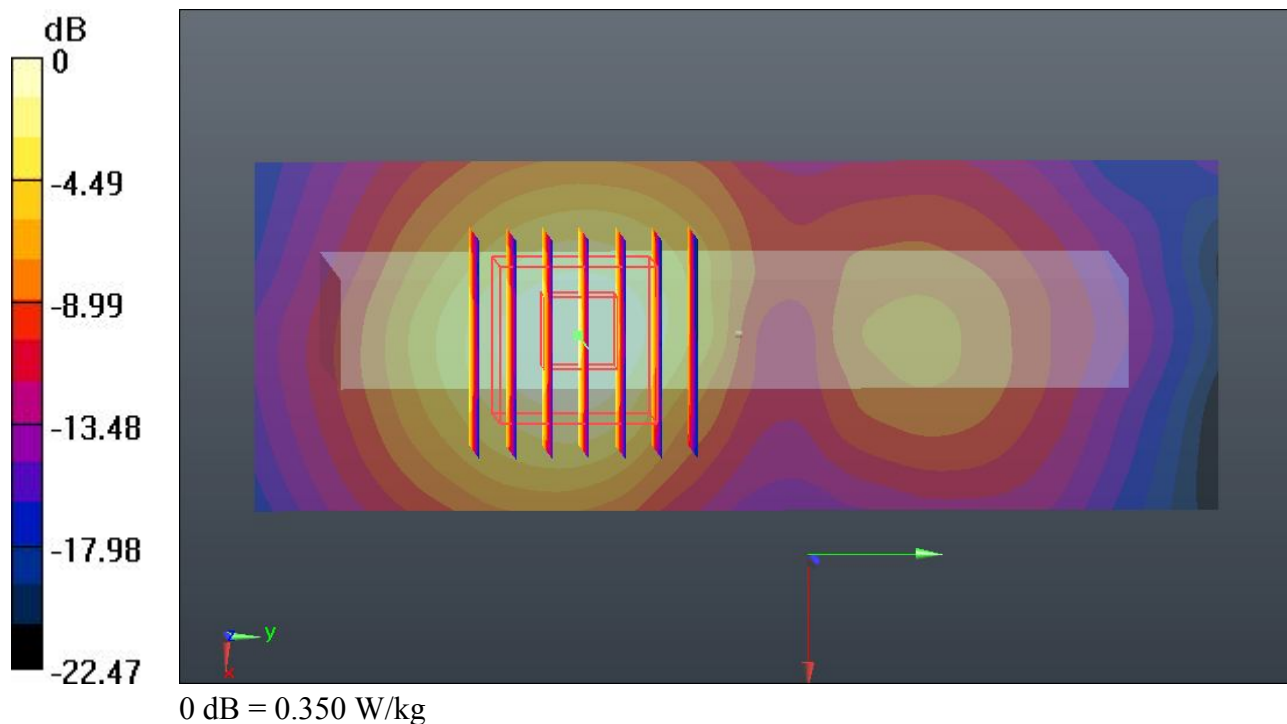
Ch6/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 13.911 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.461 mW/g

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.114 mW/g

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



#101 WLAN2.4GHz_802.11gn HT20_WLAN Ant.1+2_Front_1cm_Ch1**DUT: 312313**

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: MSL_2450_130425 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r =$

52.484; $\rho = 1000$ kg/m³

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

Ch1/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0476 W/kg

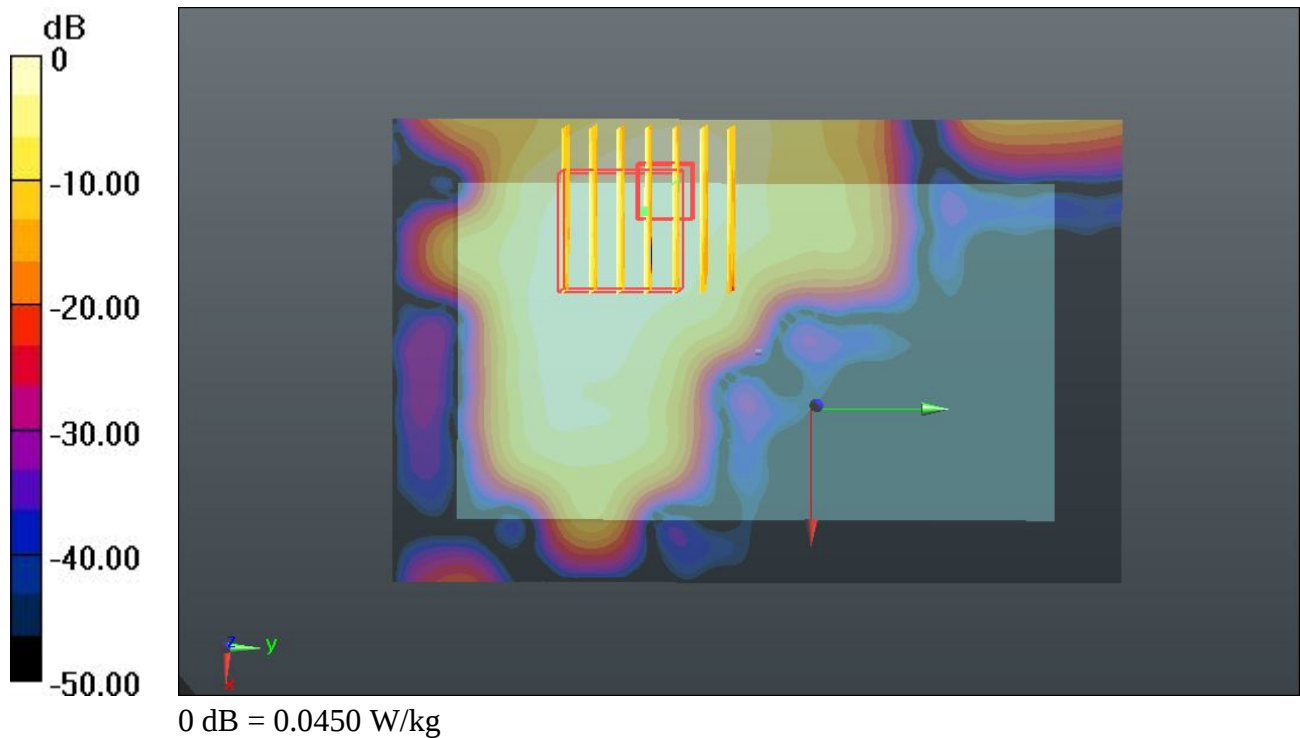
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.585 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.055 mW/g

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.0450 W/kg



#102 WLAN2.4GHz_802.11gn HT20_WLAN Ant.1+2_Back_1cm_Ch1

DUT: 312313

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: MSL_2450_130425 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r =$ 52.484; $\rho = 1000$ kg/m³

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

Ch1/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0325 W/kg

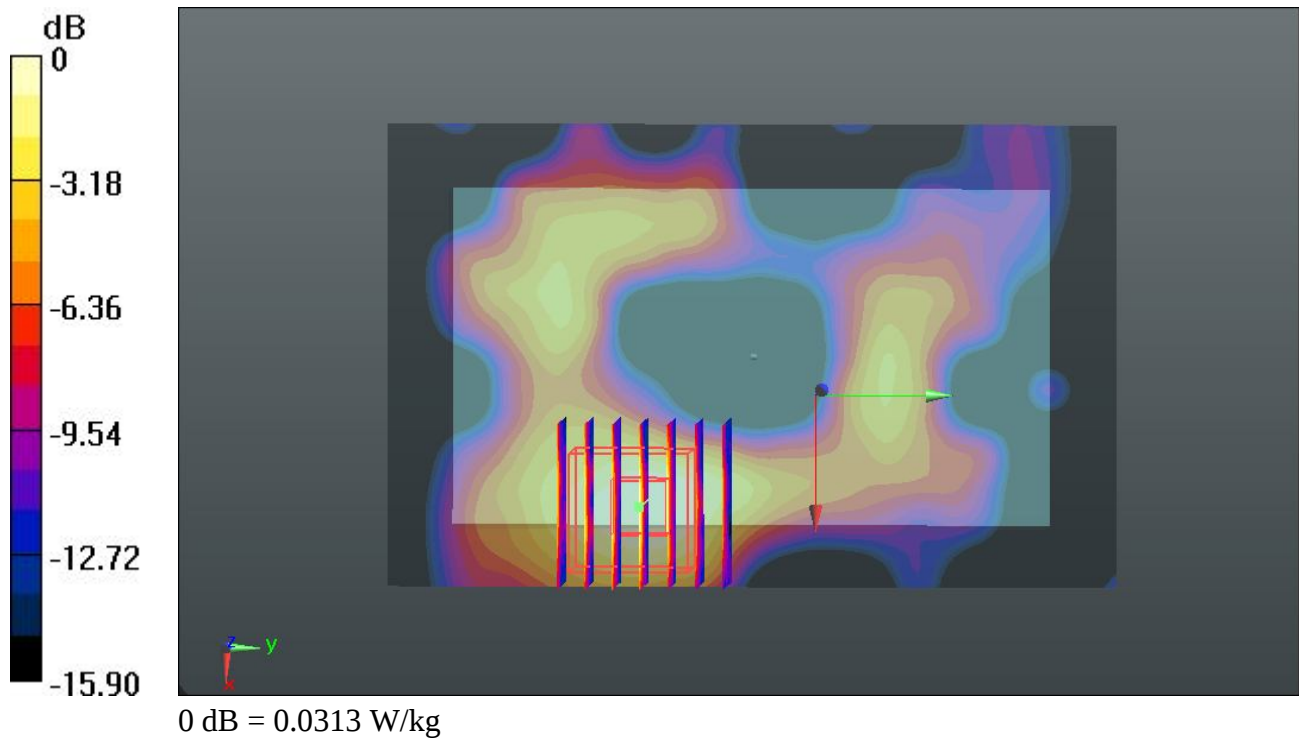
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.923 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.039 mW/g

SAR(1 g) = 0.021 mW/g; SAR(10 g) = 0.010 mW/g

Maximum value of SAR (measured) = 0.0313 W/kg



#103 WLAN2.4GHz_802.11gn HT20_WLAN Ant.1+2_Left Side_1cm_Ch1

DUT: 312313

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: MSL_2450_130425 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r = 52.484$; $\rho = 1000$ kg/m³

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

Ch1/Area Scan (61x101x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0106 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.950 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.00415 mW/g

SAR(1 g) = 0.0022 mW/g; SAR(10 g) = 0.000807 mW/g

Maximum value of SAR (measured) = 0.00394 W/kg

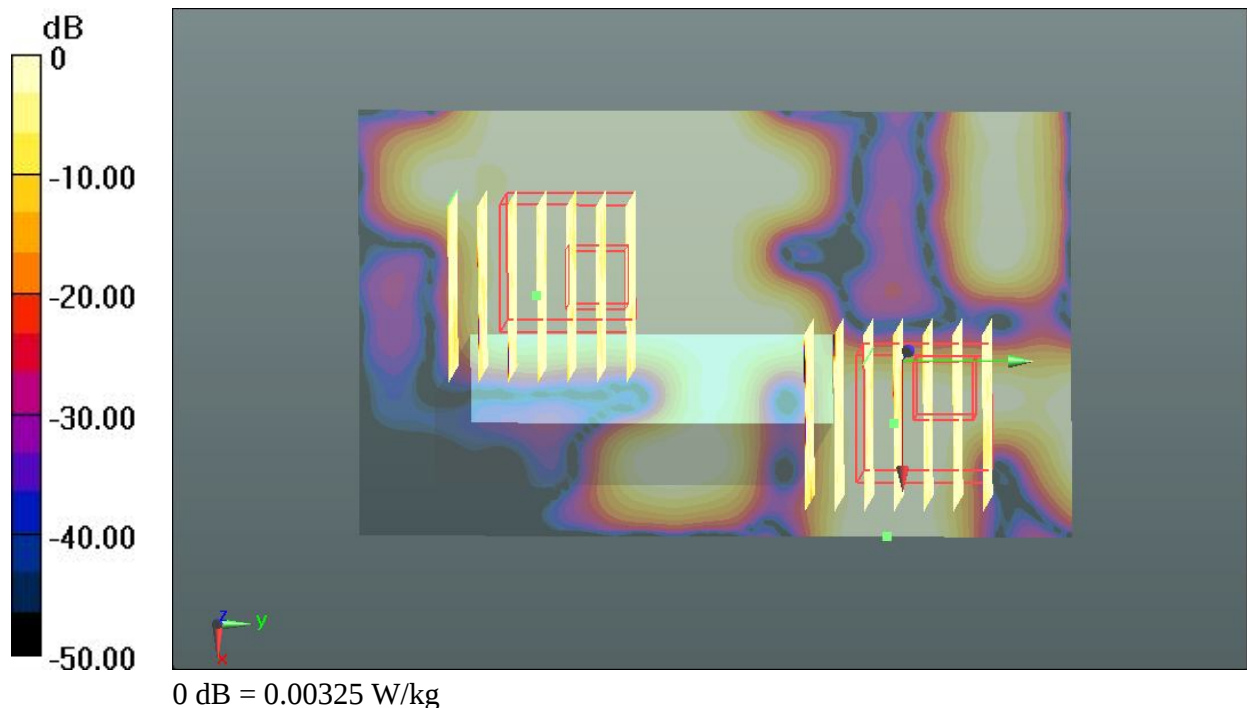
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 0.950 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.00402 mW/g

SAR(1 g) = 0.000618 mW/g; SAR(10 g) = 0.000135 mW/g

Maximum value of SAR (measured) = 0.00325 W/kg



#104 WLAN2.4GHz_802.11gn HT20_WLAN Ant.1+2_Top Side_1cm_Ch1**DUT: 312313**

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: MSL_2450_130425 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r = 52.484$; $\rho = 1000$ kg/m³

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

Ch1/Area Scan (51x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0105 W/kg

Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.935 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.0088 mW/g

SAR(1 g) = 0.00462 mW/g; SAR(10 g) = 0.00246 mW/g

Maximum value of SAR (measured) = 0.00901 W/kg

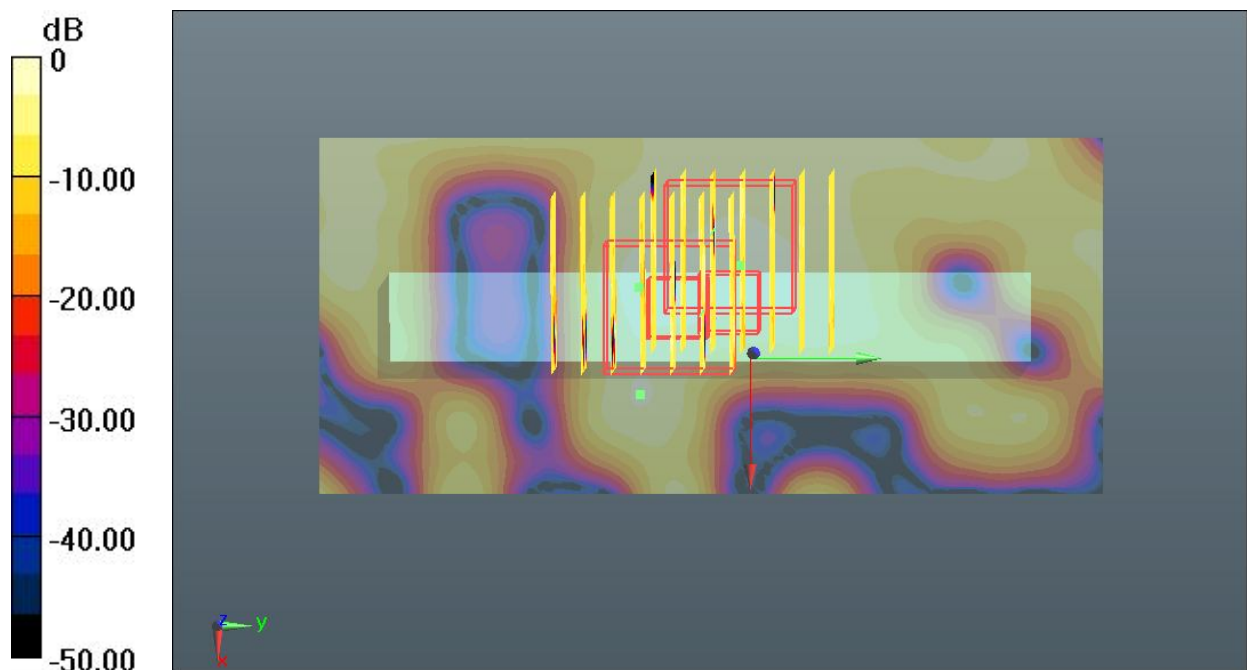
Ch1/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 1.935 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.014 mW/g

SAR(1 g) = 0.0027 mW/g; SAR(10 g) = 0.000637 mW/g

Maximum value of SAR (measured) = 0.0149 W/kg



0 dB = 0.0149 W/kg

#105 WLAN2.4GHz_802.11gn HT20_WLAN Ant.1+2_Bottom Side_1cm_Ch1**DUT: 312313**

Communication System: WIFI; Frequency: 2412 MHz; Duty Cycle: 1:1.11

Medium: MSL_2450_130425 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.947$ mho/m; $\epsilon_r =$ 52.484; $\rho = 1000$ kg/m³

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

Ch1/Area Scan (51x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0231 W/kg

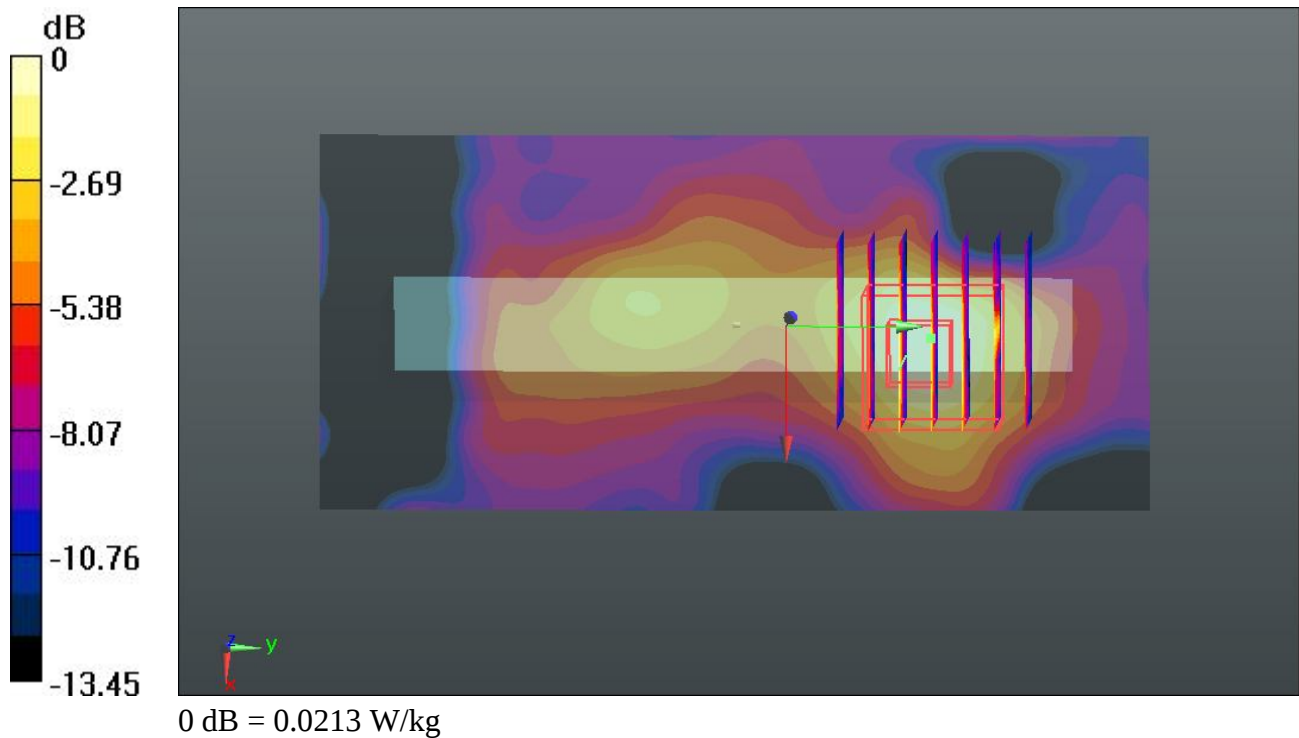
Ch1/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.348 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.030 mW/g

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.0078 mW/g

Maximum value of SAR (measured) = 0.0213 W/kg



#71 WLAN2.4GHz_802.11gn HT40_WLAN Ant.1+2_Front_1cm_Ch3**DUT: 312313**

Communication System: WIFI; Frequency: 2422 MHz; Duty Cycle: 1:1.19

Medium: MSL_2450_130411 Medium parameters used: $f = 2422$ MHz; $\sigma = 1.893$ mho/m; $\epsilon_r = 53.963$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.5 °C ; Liquid Temperature : 21.9 °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)

Ch3/Area Scan (71x111x1): Interpolated grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.0371 W/kg

Ch3/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.966 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.032 mW/g

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00976 mW/g

Maximum value of SAR (measured) = 0.0252 W/kg

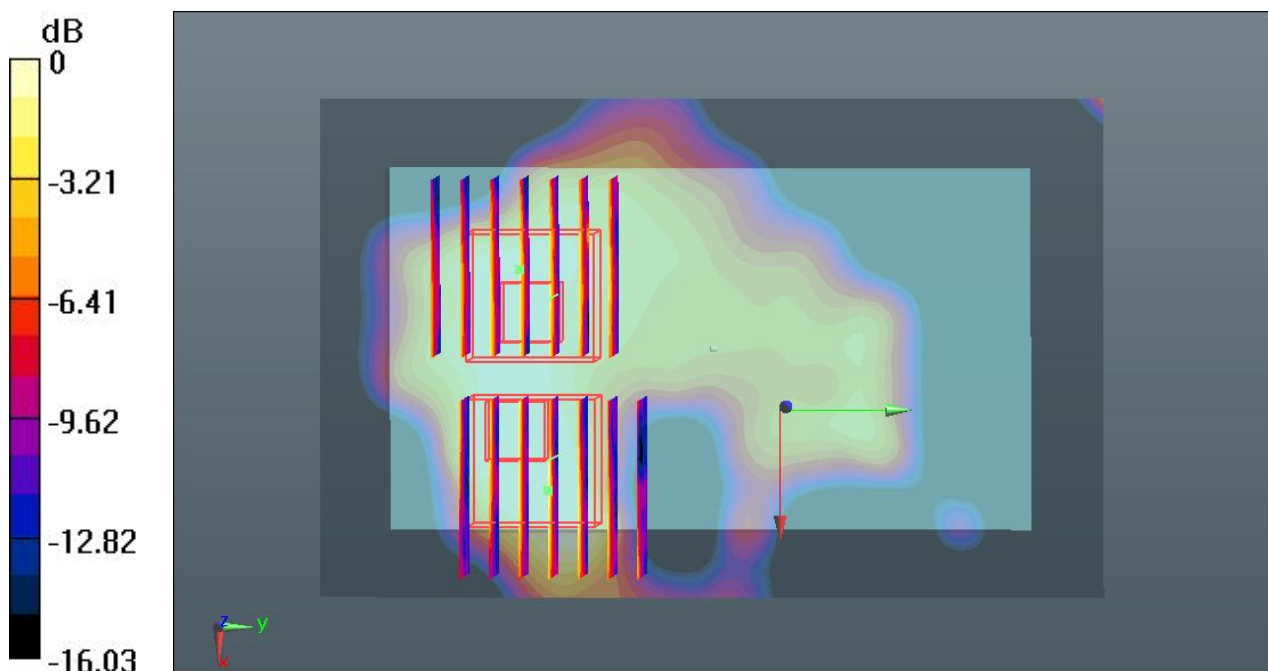
Ch3/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.966 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.035 mW/g

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00878 mW/g

Maximum value of SAR (measured) = 0.0275 W/kg



0 dB = 0.0275 W/kg

#76 WLAN5.2GHz_802.11a_WLAN Ant.1_Front_1cm_Ch48

DUT: 312313

Communication System: WIFI; Frequency: 5240 MHz; Duty Cycle: 1:1.04

Medium: MSL_5G_130412 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 48.701$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch48/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.309 W/kg

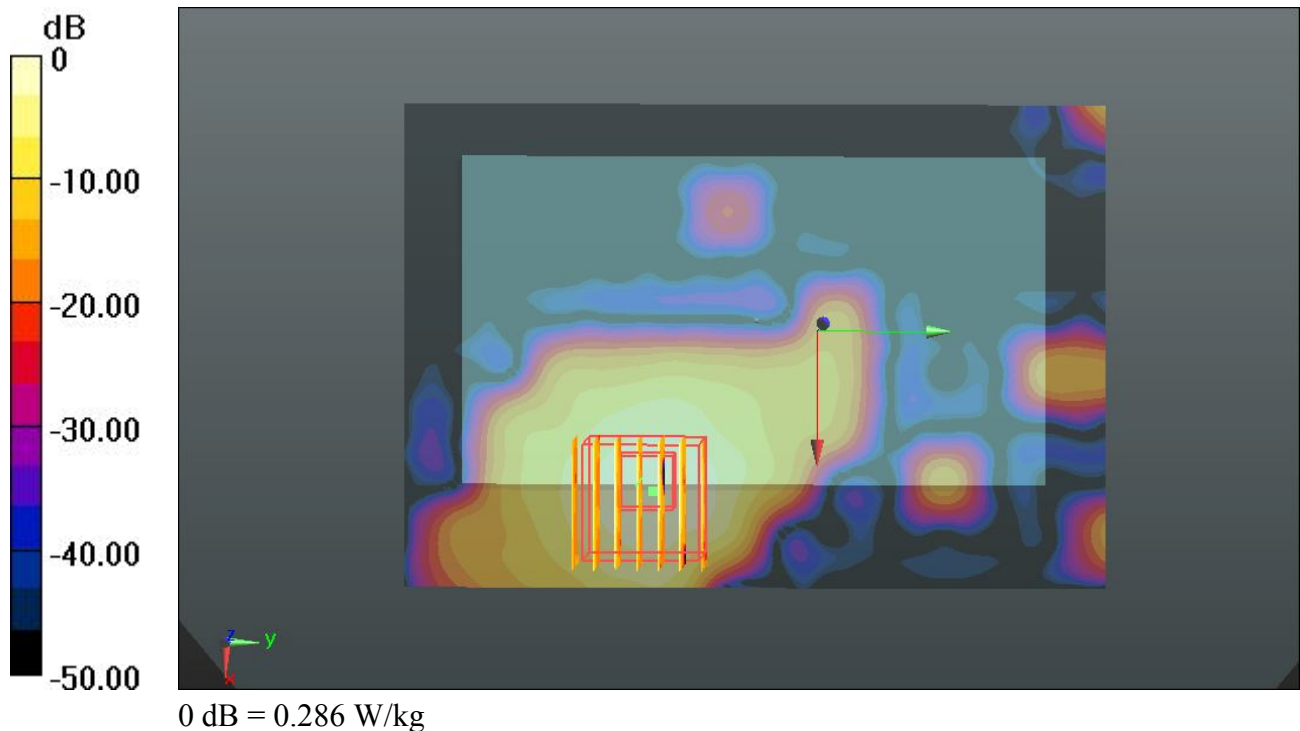
Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.147 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.451 mW/g

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.041 mW/g

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



#77 WLAN5.2GHz_802.11a_WLAN Ant.1_Back_1cm_Ch48

DUT: 312313

Communication System: WIFI; Frequency: 5240 MHz; Duty Cycle: 1:1.04

Medium: MSL_5G_130412 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 48.701$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch48/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.269 W/kg

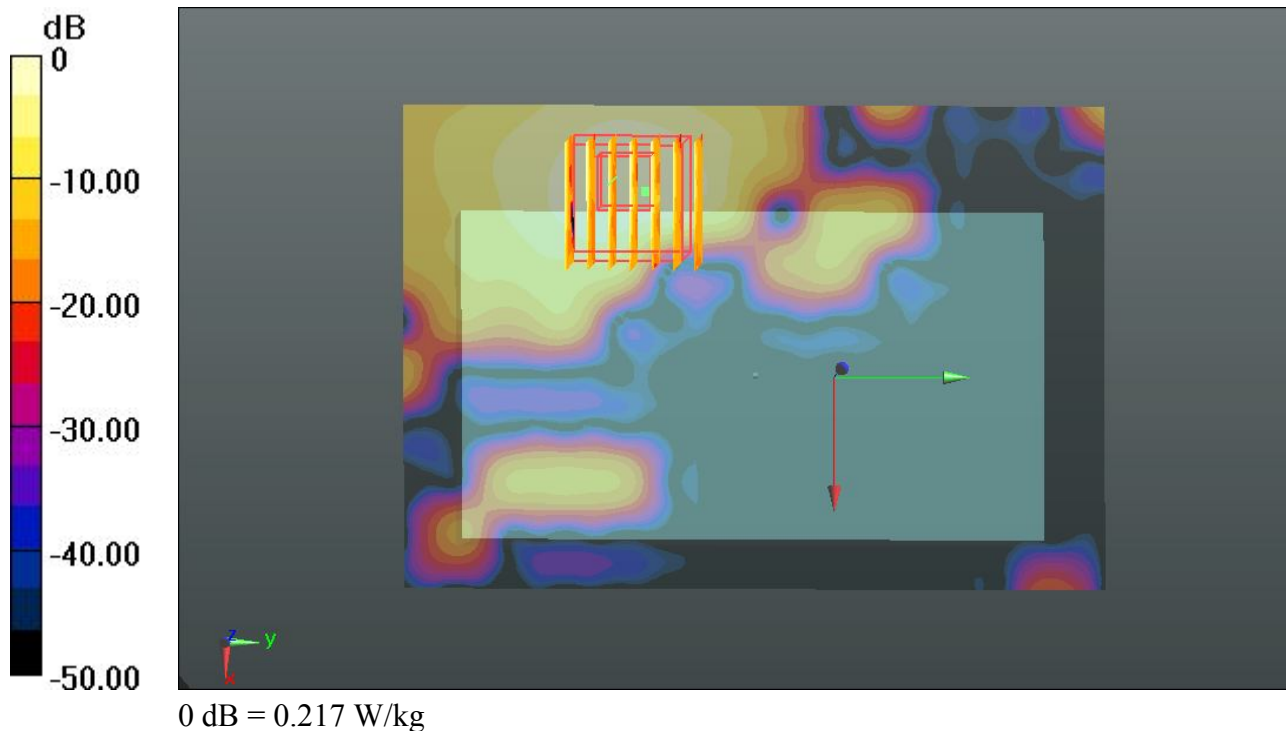
Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 6.052 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.217 W/kg



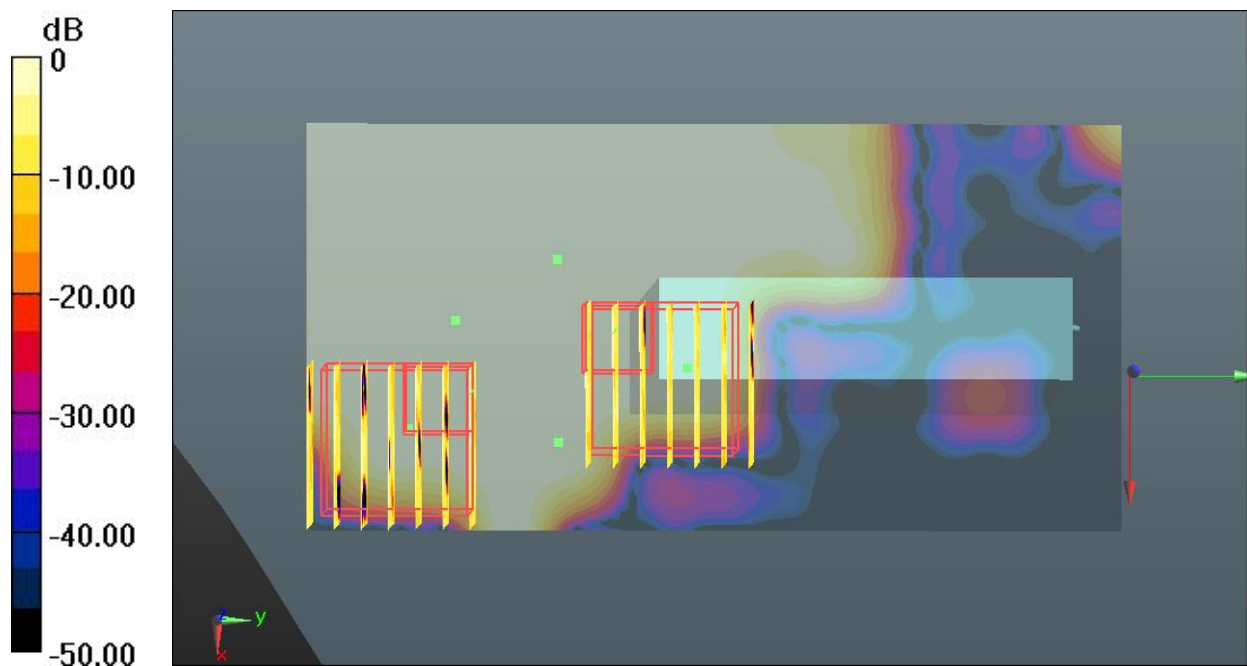
#78 WLAN5.2GHz_802.11a_WLAN Ant.1_Left Side_1cm_Ch48**DUT: 312313**

Communication System: WIFI; Frequency: 5240 MHz; Duty Cycle: 1:1.04

Medium: MSL_5G_130412 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 48.701$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 23.5°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch48/Area Scan (61x121x1): Interpolated grid: $dx=10\text{mm}$, $dy=10\text{mm}$ Maximum value of SAR (interpolated) = 0.0532 W/kg **Ch48/Zoom Scan (7x7x7)/Cube 1:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 2.169 V/m ; Power Drift = 0.10 dB Peak SAR (extrapolated) = 0.184 mW/g **SAR(1 g) = 0.011 mW/g ; SAR(10 g) = 0.00412 mW/g** Maximum value of SAR (measured) = 0.0362 W/kg **Ch48/Zoom Scan (7x7x7)/Cube 0:** Measurement grid: $dx=4\text{mm}$, $dy=4\text{mm}$, $dz=1.4\text{mm}$ Reference Value = 2.169 V/m ; Power Drift = 0.10 dB Peak SAR (extrapolated) = 0.128 mW/g **SAR(1 g) = 0.011 mW/g ; SAR(10 g) = 0.00265 mW/g** Maximum value of SAR (measured) = 0.0329 W/kg 0 dB = 0.0329 W/kg

#79 WLAN5.2GHz_802.11a_WLAN Ant.1_Bottom Side_1cm_Ch48

DUT: 312313

Communication System: WIFI; Frequency: 5240 MHz; Duty Cycle: 1:1.04

Medium: MSL_5G_130412 Medium parameters used: $f = 5240$ MHz; $\sigma = 5.35$ mho/m; $\epsilon_r = 48.701$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch48/Area Scan (51x121x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.33 W/kg

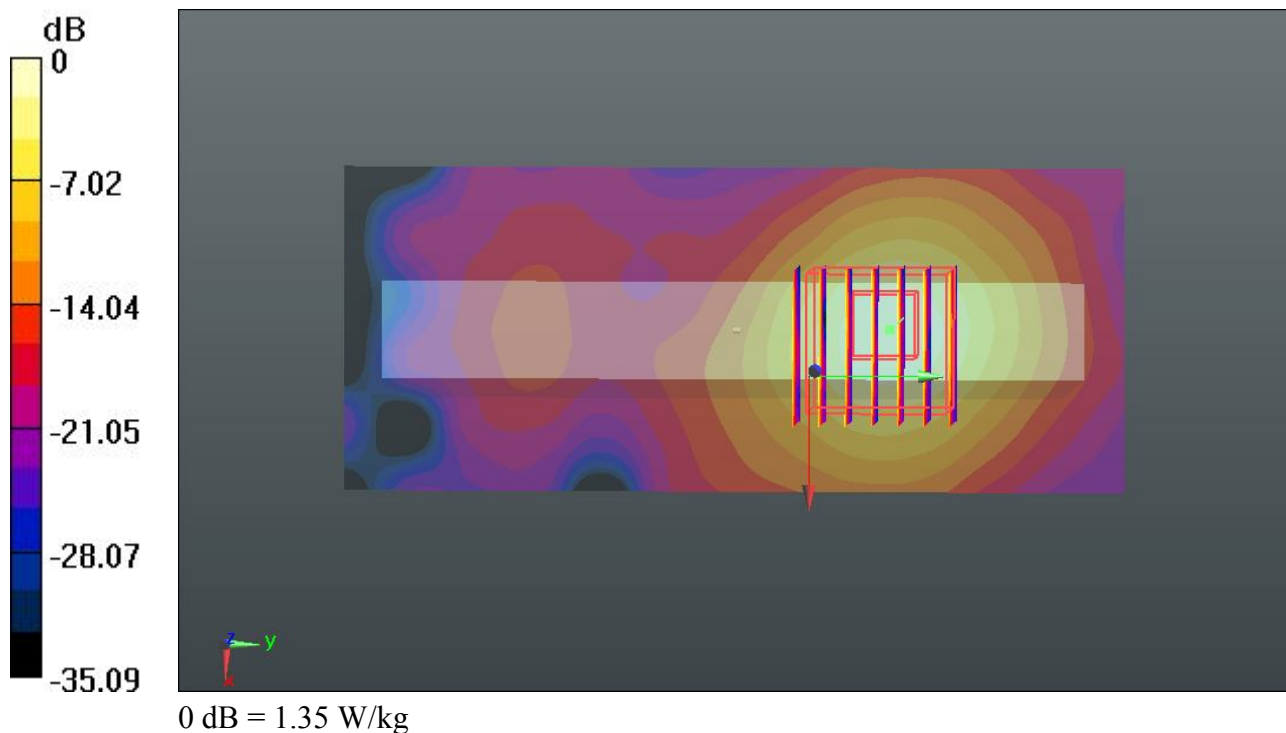
Ch48/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 15.857 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.211 mW/g

SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.182 mW/g

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



#80 WLAN5.2GHz_802.11a_WLAN Ant.2_Front_1cm_Ch44

DUT: 312313

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); 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)

Ch44/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.148 W/kg

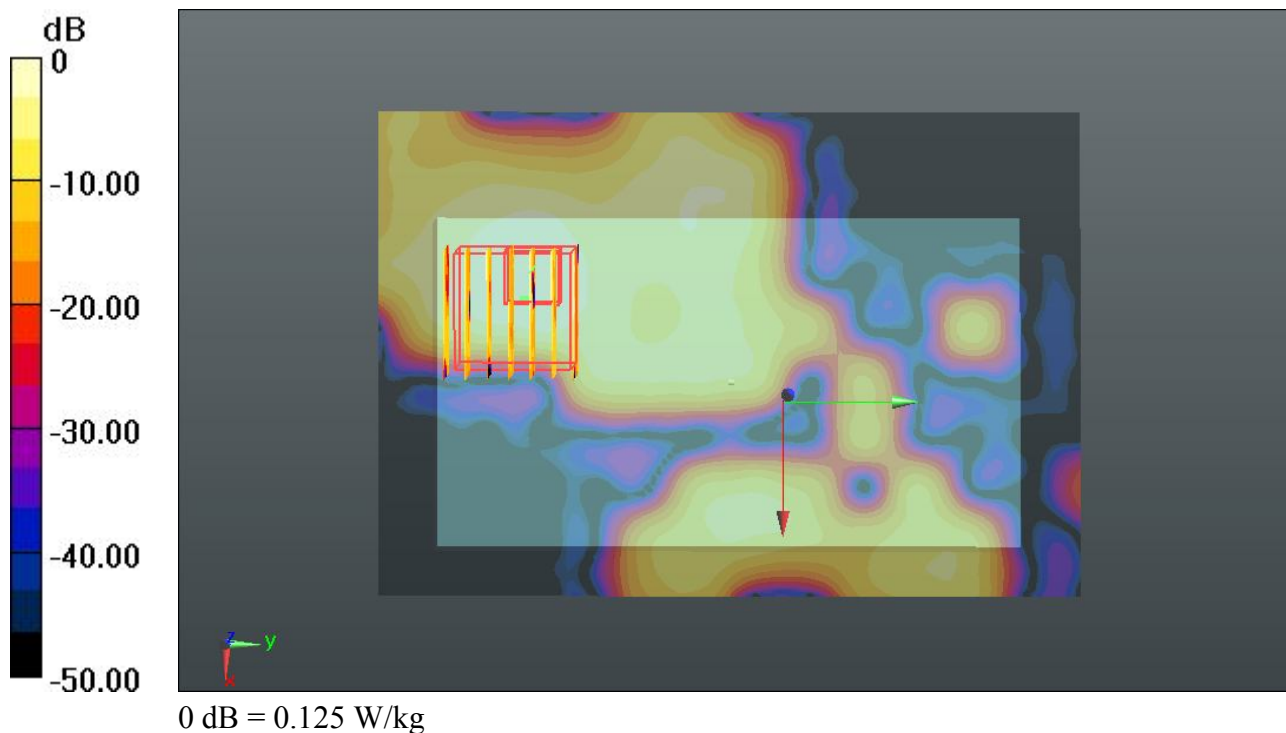
Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.273 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.167 mW/g

SAR(1 g) = 0.045 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.125 W/kg



#81 WLAN5.2GHz_802.11a_WLAN Ant.2_Back_1cm_Ch44**DUT: 312313**

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0774 W/kg

Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.161 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.173 mW/g

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.00805 mW/g

Maximum value of SAR (measured) = 0.0637 W/kg

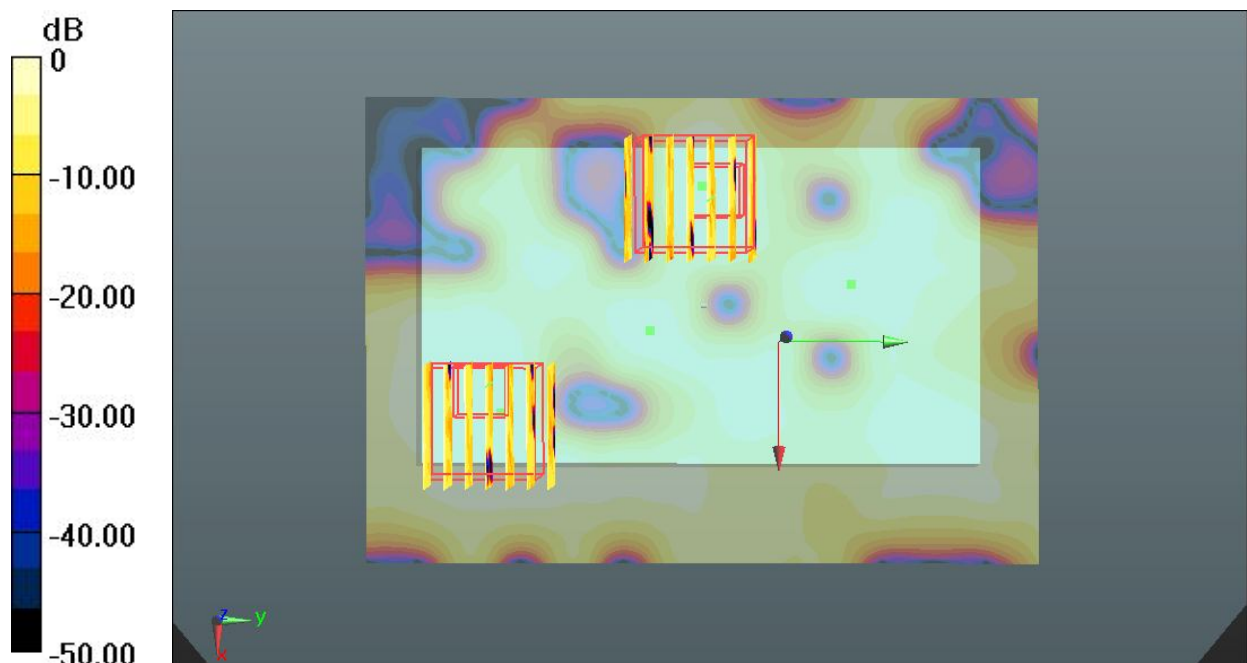
Ch44/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.161 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.112 mW/g

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00442 mW/g

Maximum value of SAR (measured) = 0.0464 W/kg



0 dB = 0.0464 W/kg

#82 WLAN5.2GHz_802.11a_WLAN Ant.2_Top Side_1cm_Ch44**DUT: 312313**

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (51x121x1): Interpolated grid: dx=10mm, dy=10mm

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

Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.823 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.230 mW/g

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.130 W/kg

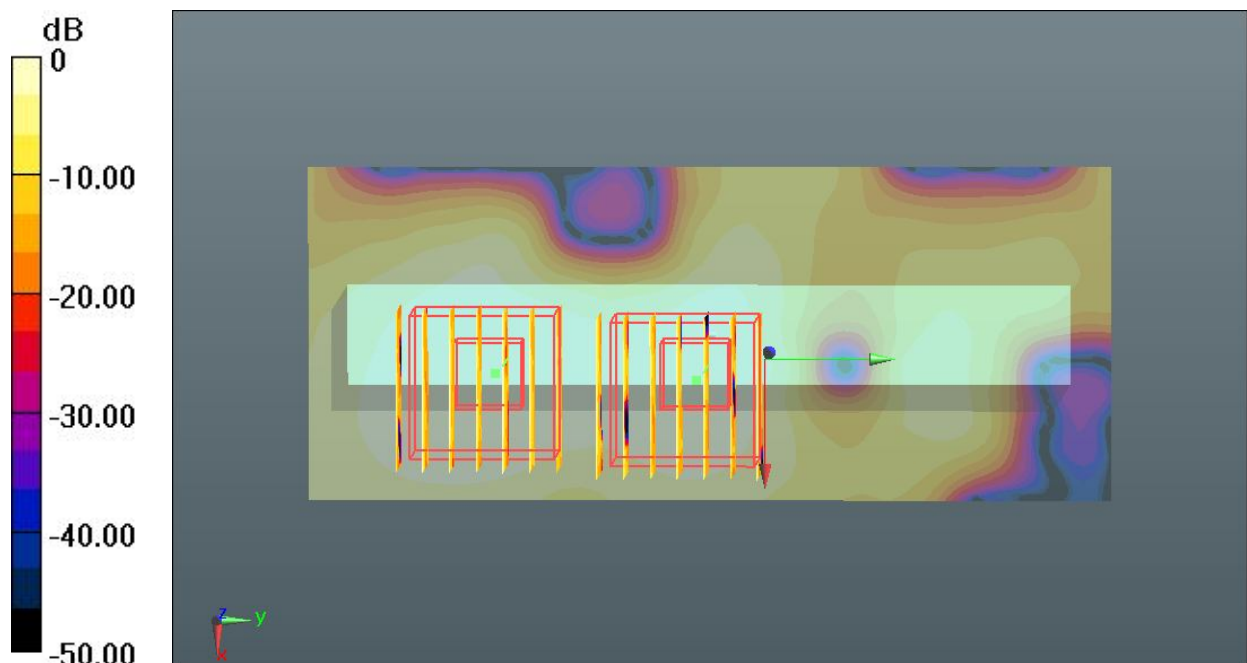
Ch44/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.823 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.286 mW/g

SAR(1 g) = 0.041 mW/g; SAR(10 g) = 0.014 mW/g

Maximum value of SAR (measured) = 0.0962 W/kg



#83 WLAN5.2GHz_802.11an HT20_WLAN Ant.1+2_Front_1cm_Ch44**DUT: 312313**

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.410 W/kg

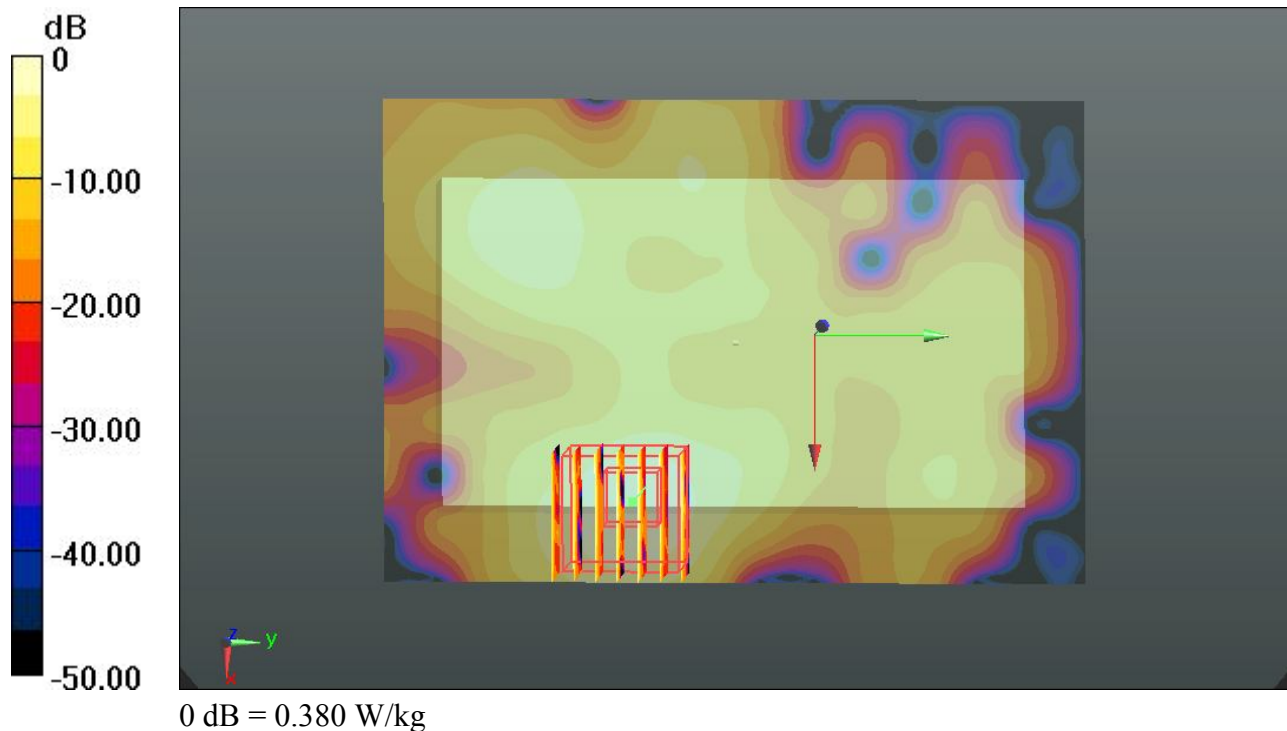
Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 8.480 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.612 mW/g

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.053 mW/g

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



#84 WLAN5.2GHz_802.11an HT20_WLAN Ant.1+2_Back_1cm_Ch44**DUT: 312313**

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.290 W/kg

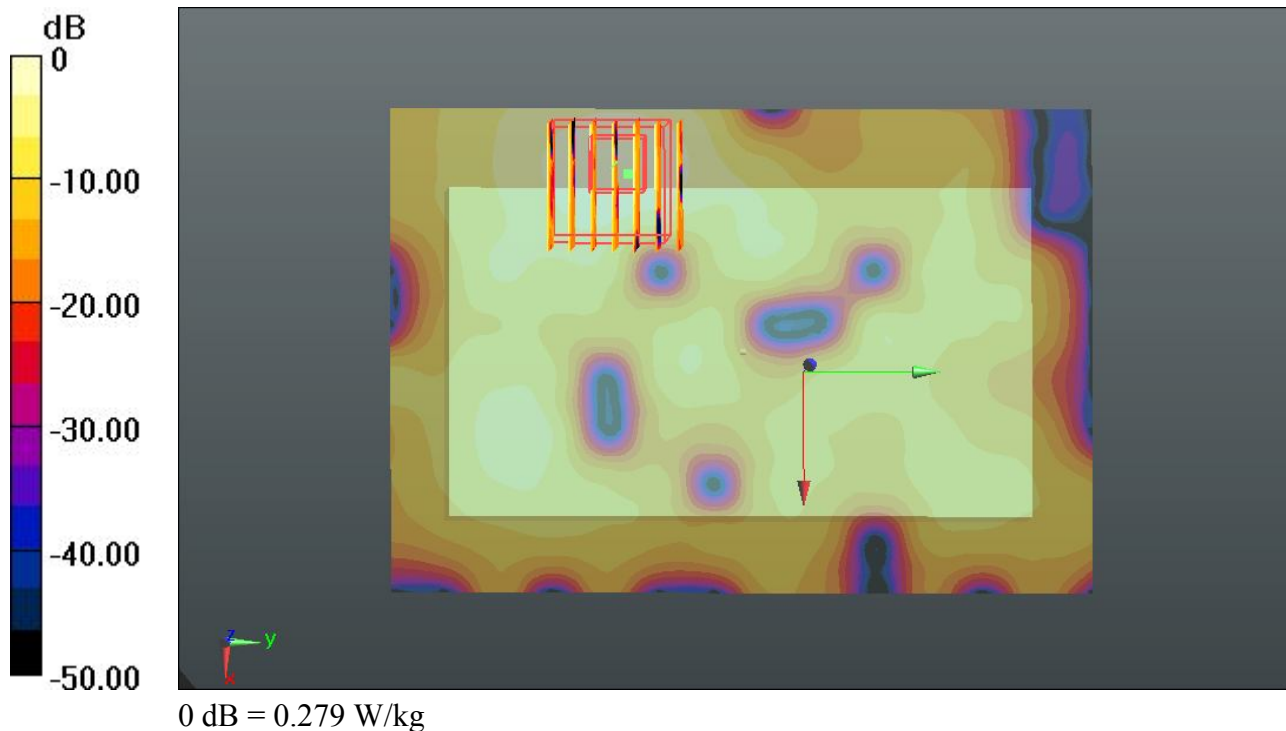
Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 7.167 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.434 mW/g

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.038 mW/g

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



#85 WLAN5.2GHz_802.11an HT20_WLAN Ant.1+2_Left Side_1cm_Ch44**DUT: 312313**

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (61x91x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0280 W/kg

Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.962 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.082 mW/g

SAR(1 g) = 0.00791 mW/g; SAR(10 g) = 0.00302 mW/g

Maximum value of SAR (measured) = 0.0244 W/kg

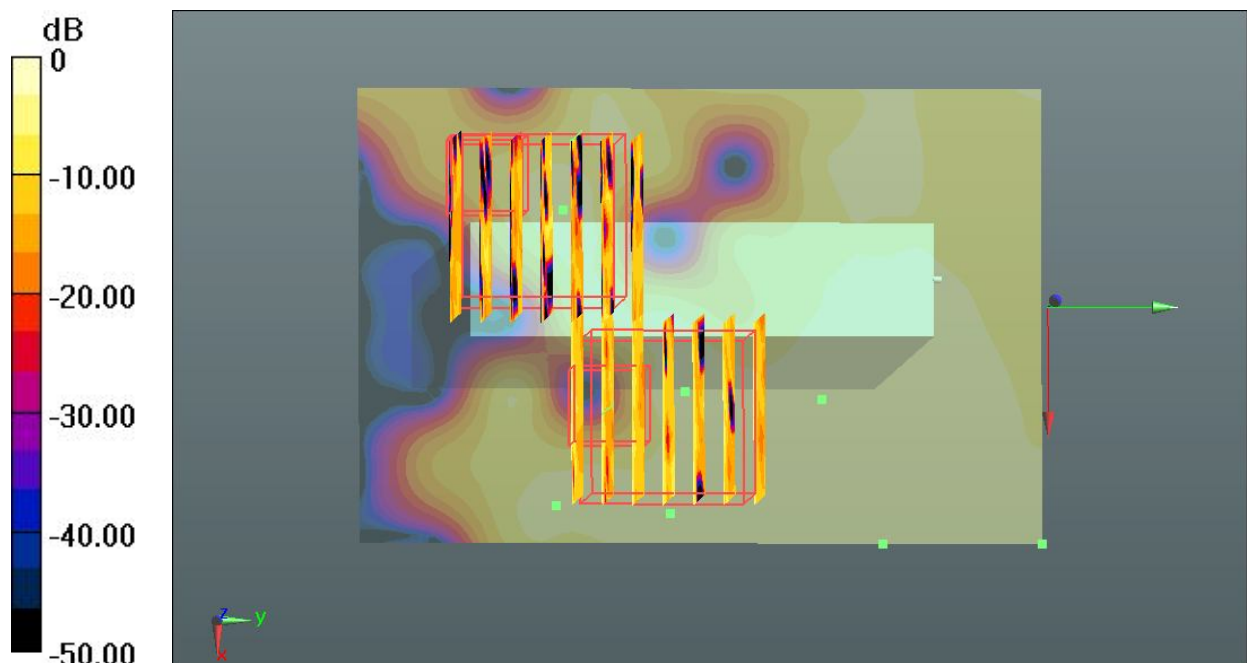
Ch44/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.962 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 8.84e-005 mW/g

SAR(1 g) = 2.09e-007 mW/g; SAR(10 g) = 8.6e-009 mW/g

Maximum value of SAR (measured) = 0.0675 W/kg



0 dB = 0.0675 W/kg

#86 WLAN5.2GHz_802.11an HT20_WLAN Ant.1+2_Bottom Side_1cm_Ch44**DUT: 312313**

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (61x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 1.46 W/kg

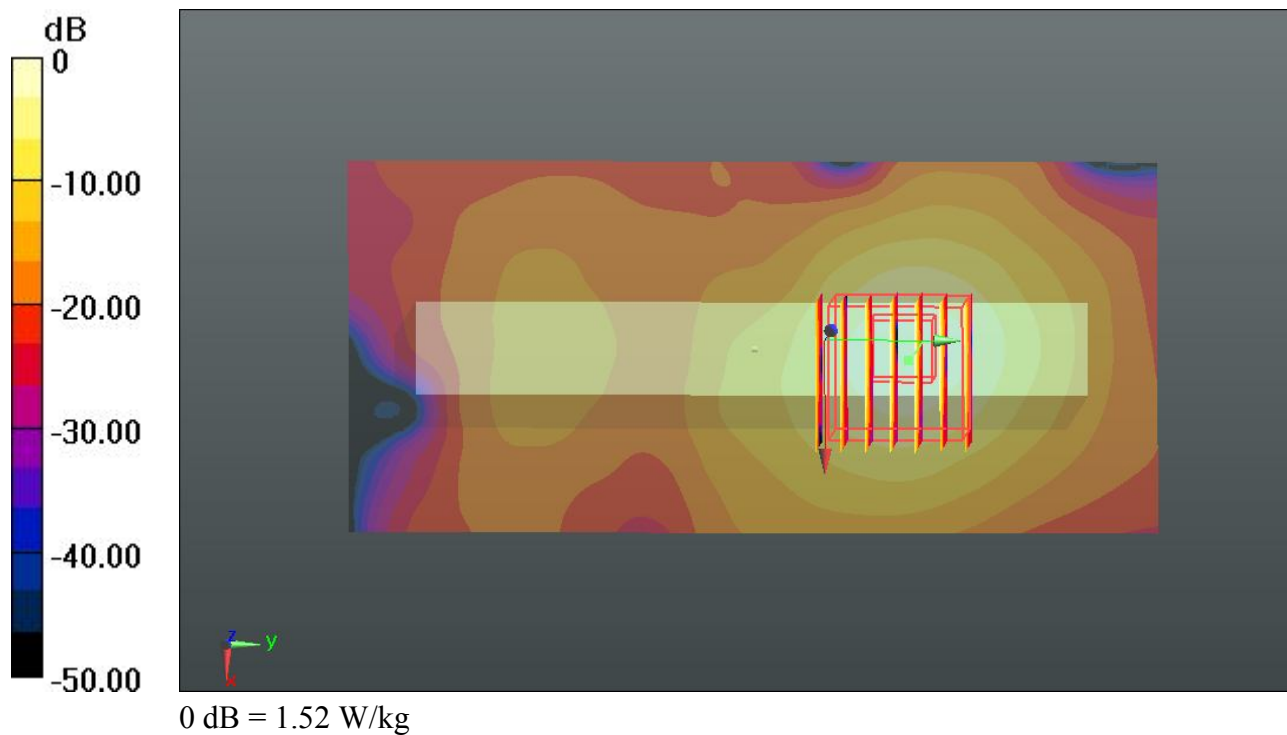
Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 16.582 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 2.551 mW/g

SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.203 mW/g

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



#87 WLAN5.2GHz_802.11an HT20_WLAN Ant.1+2_Top Side_1cm_Ch44

DUT: 312313

Communication System: WIFI; Frequency: 5220 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5220$ MHz; $\sigma = 5.319$ mho/m; $\epsilon_r = 48.728$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.63, 4.63, 4.63); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch44/Area Scan (61x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.167 W/kg

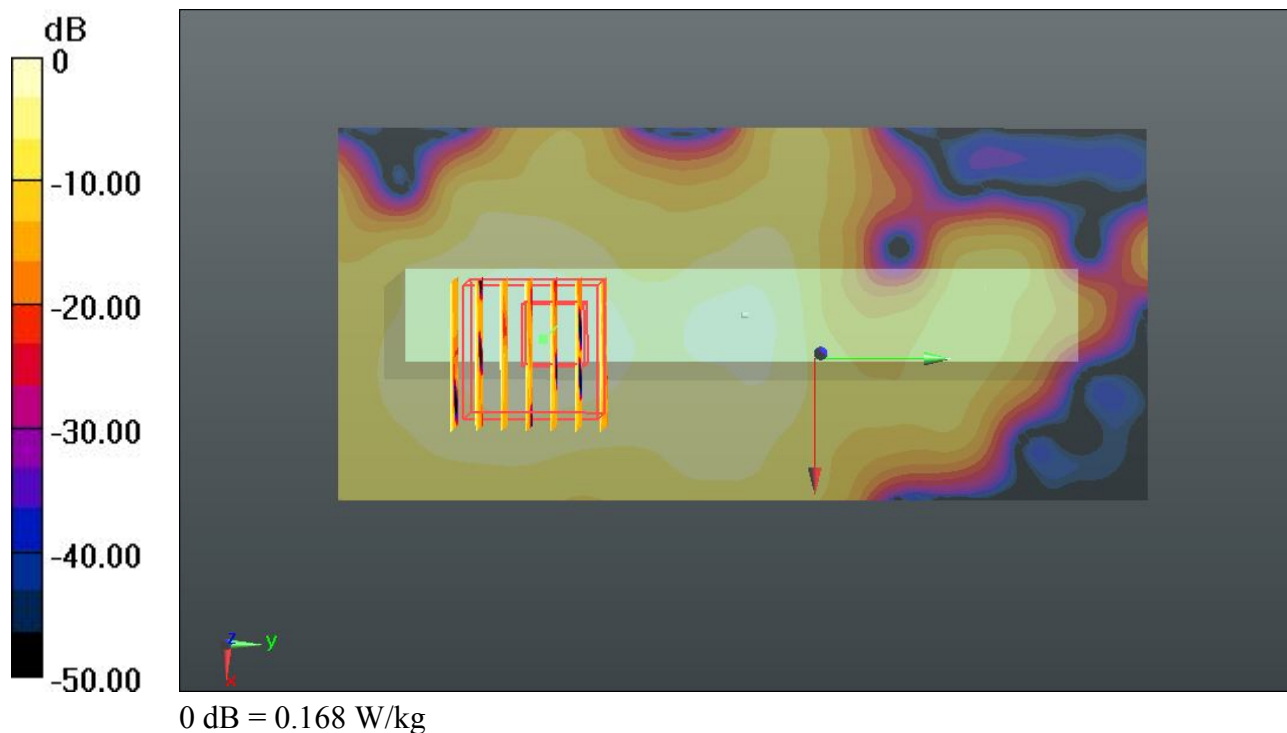
Ch44/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 5.444 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.250 mW/g

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.025 mW/g

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



#89 WLAN5.8GHz_802.11a_WLAN Ant.1_Front_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.151 W/kg

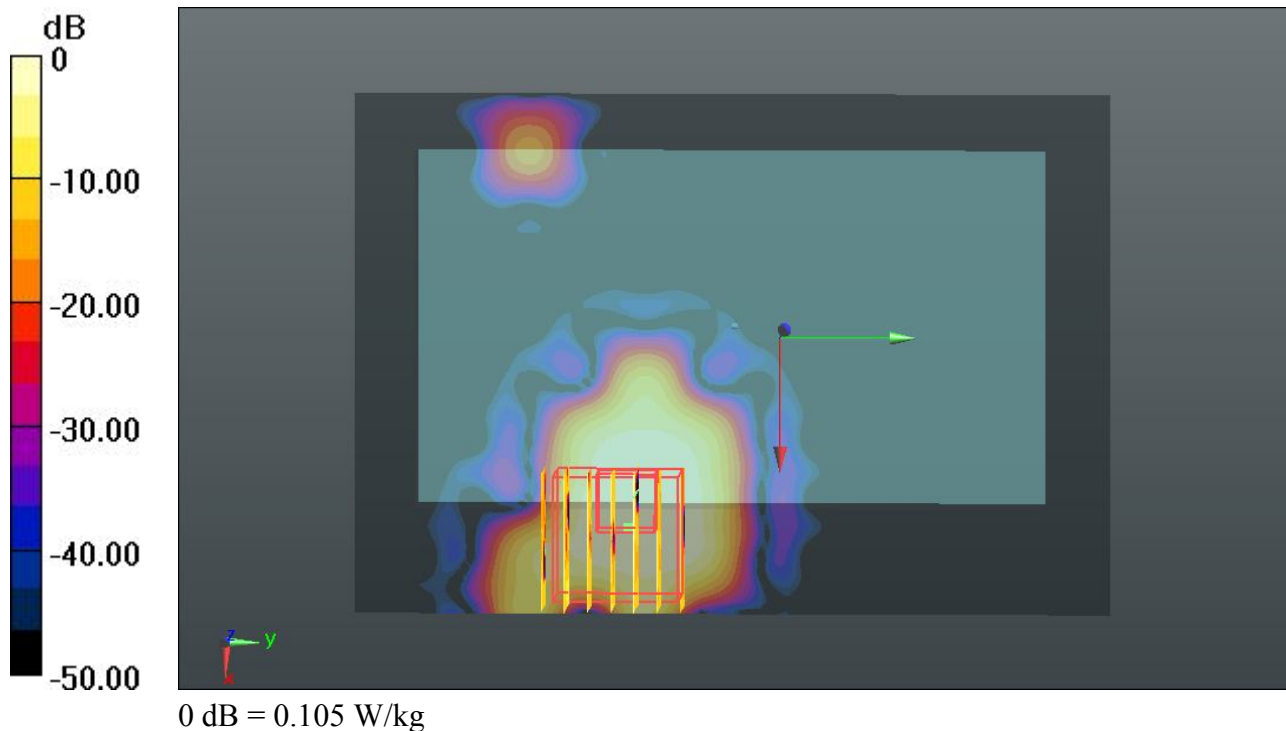
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.190 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.209 mW/g

SAR(1 g) = 0.043 mW/g; SAR(10 g) = 0.013 mW/g

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



#90 WLAN5.8GHz_802.11a_WLAN Ant.1_Back_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.215 W/kg

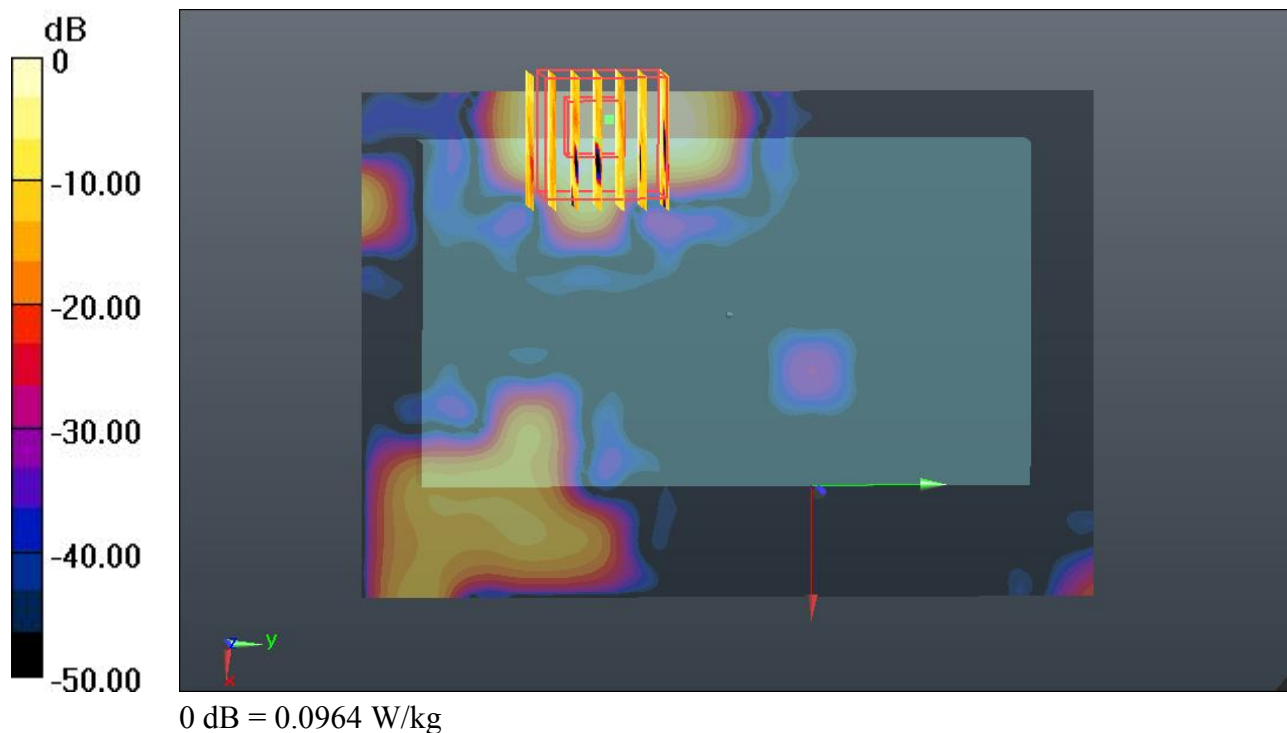
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.057 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.583 mW/g

SAR(1 g) = 0.039 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.0964 W/kg



#91 WLAN5.8GHz_802.11a_WLAN Ant.1_Left Side_1cm_Ch149**DUT: 312313**

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (51x101x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0125 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.130 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.042 mW/g

SAR(1 g) = 0.0019 mW/g; SAR(10 g) = 0.000621 mW/g

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

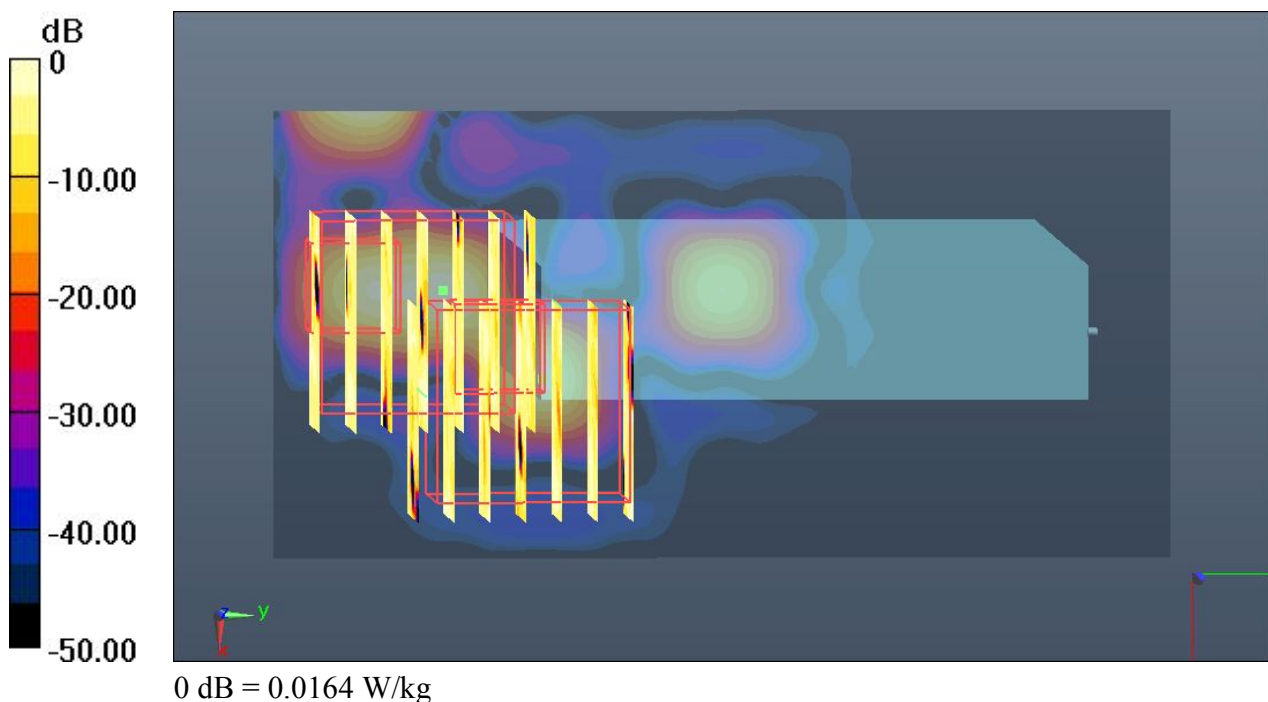
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 1.130 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.043 mW/g

SAR(1 g) = 0.000512 mW/g; SAR(10 g) = 0.000148 mW/g

Maximum value of SAR (measured) = 0.0164 W/kg



#92 WLAN5.8GHz_802.11a_WLAN Ant.1_Bottom Side_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (51x121x1): Interpolated grid: dx=10mm, dy=10mm

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

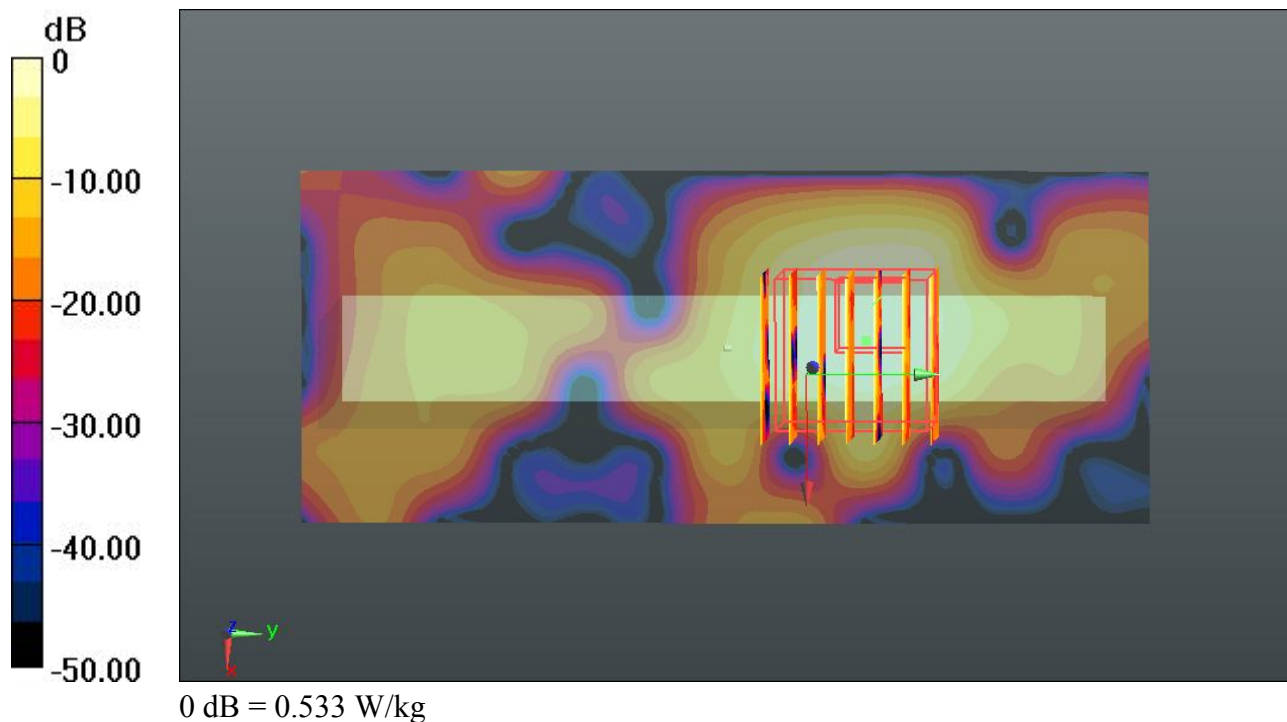
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 9.212 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.862 mW/g

SAR(1 g) = 0.225 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.533 W/kg



#93 WLAN5.8GHz_802.11a_WLAN Ant.2_Front_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0735 W/kg

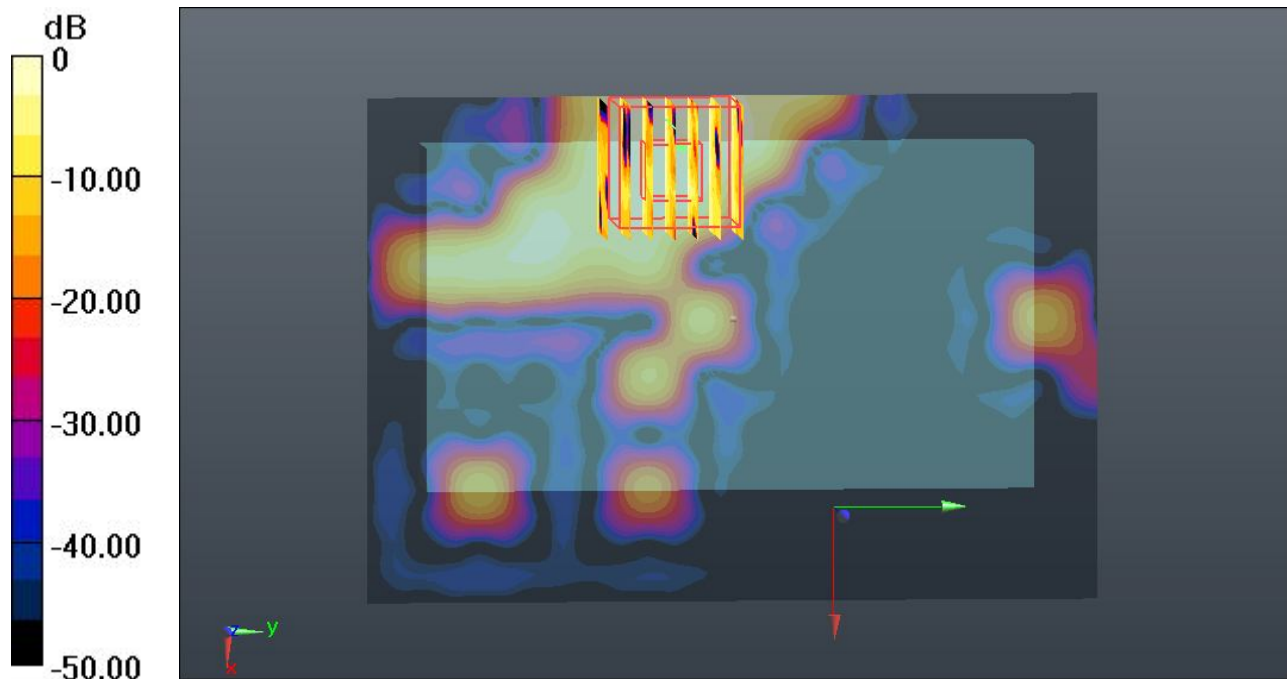
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.832 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.103 mW/g

SAR(1 g) = 0.022 mW/g; SAR(10 g) = 0.00734 mW/g

Maximum value of SAR (measured) = 0.0588 W/kg



0 dB = 0.0588 W/kg

#94 WLAN5.8GHz_802.11a_WLAN Ant.2_Back_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0493 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.324 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.121 mW/g

SAR(1 g) = 0.00951 mW/g; SAR(10 g) = 0.00255 mW/g

Maximum value of SAR (measured) = 0.0341 W/kg

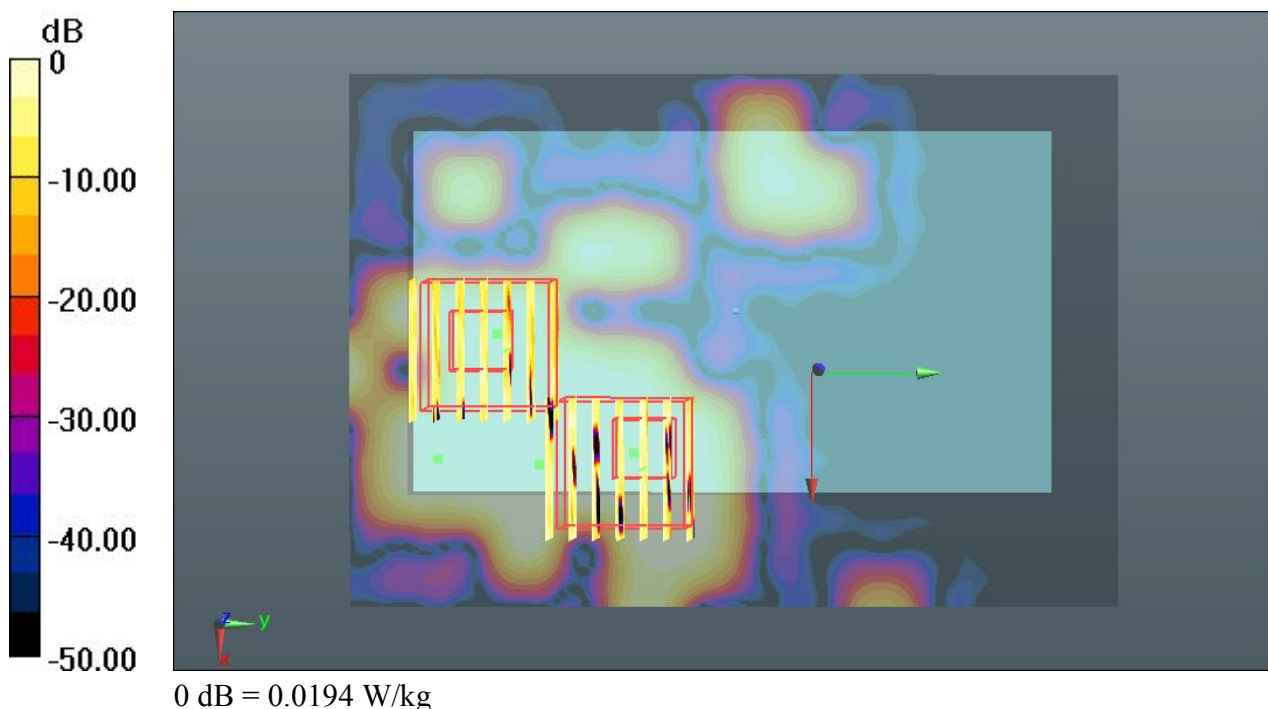
Ch149/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.324 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.066 mW/g

SAR(1 g) = 0.00169 mW/g; SAR(10 g) = 0.000269 mW/g

Maximum value of SAR (measured) = 0.0194 W/kg



#95 WLAN5.8GHz_802.11a_WLAN Ant.2_Top Side_1cm_Ch149**DUT: 312313**

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.05

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (51x121x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0633 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.984 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.191 mW/g

SAR(1 g) = 0.025 mW/g; SAR(10 g) = 0.00917 mW/g

Maximum value of SAR (measured) = 0.0736 W/kg

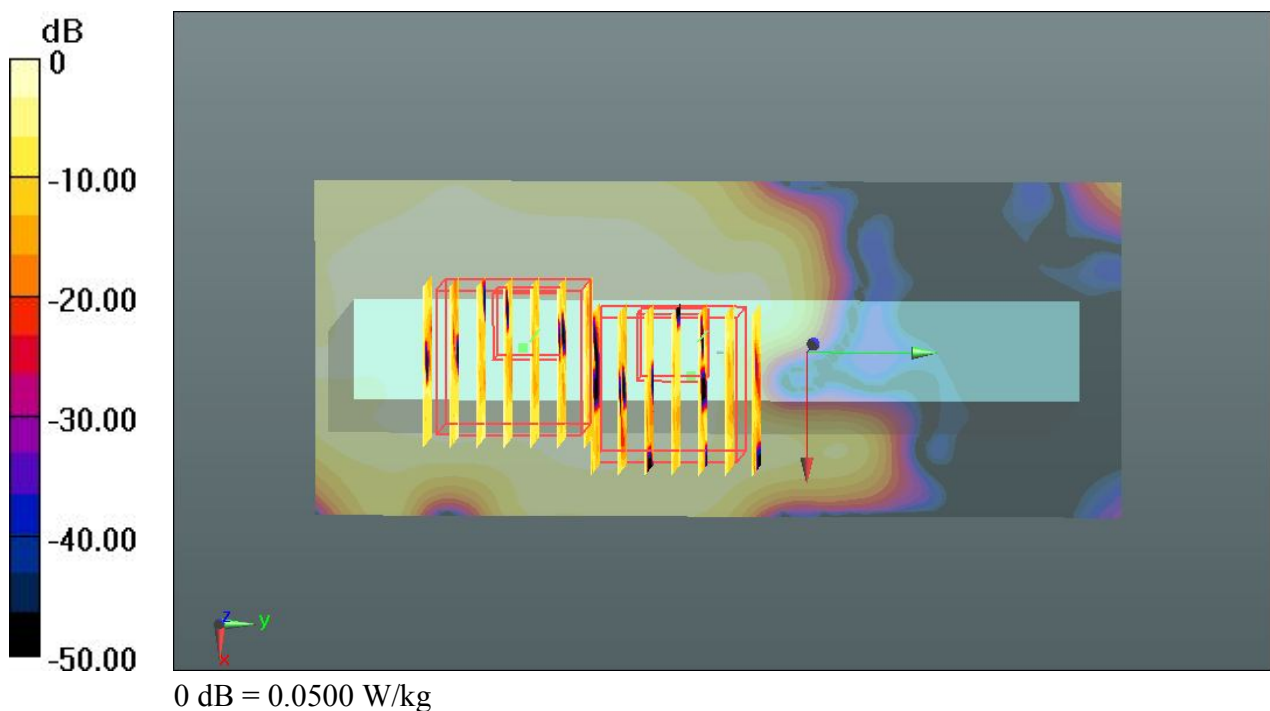
Ch149/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 2.984 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.160 mW/g

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.00494 mW/g

Maximum value of SAR (measured) = 0.0500 W/kg



#96 WLAN5.8GHz_802.11an HT20_WLAN Ant.1+2_Front_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (81x131x1): Interpolated grid: dx=10mm, dy=10mm

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

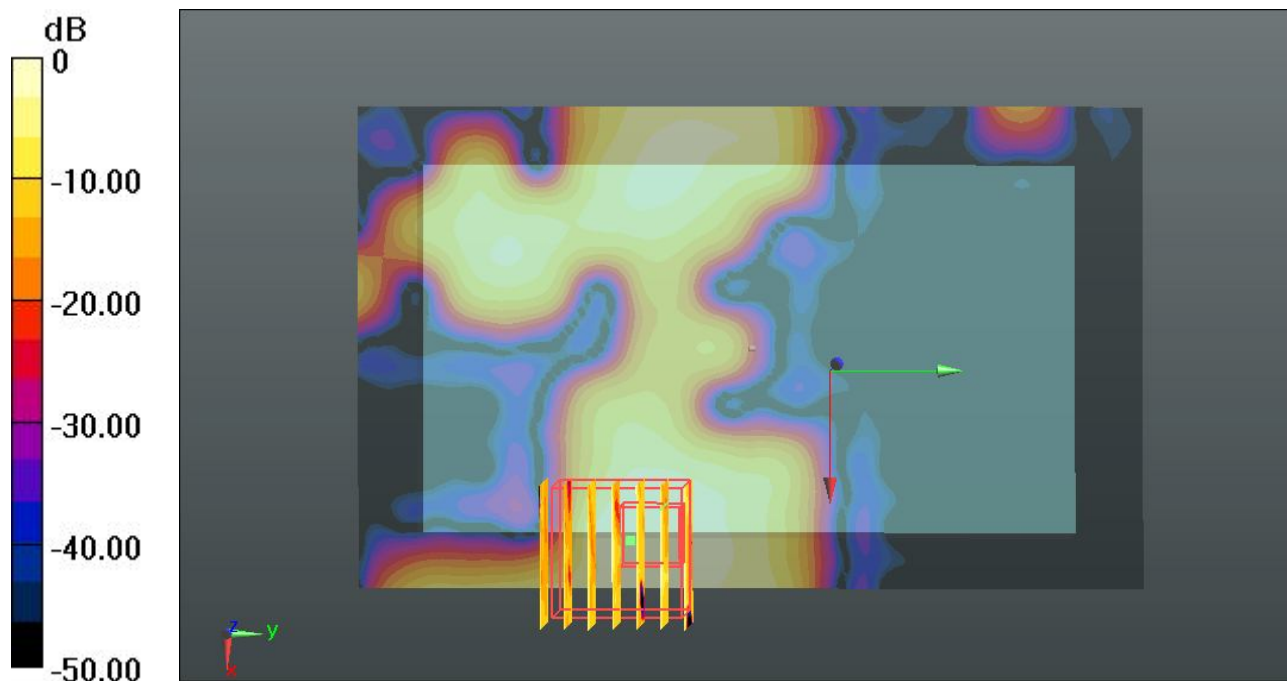
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.515 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.220 mW/g

SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.014 mW/g

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



0 dB = 0.133 W/kg

#97 WLAN5.8GHz_802.11an HT20_WLAN Ant.1+2_Back_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (91x131x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.171 W/kg

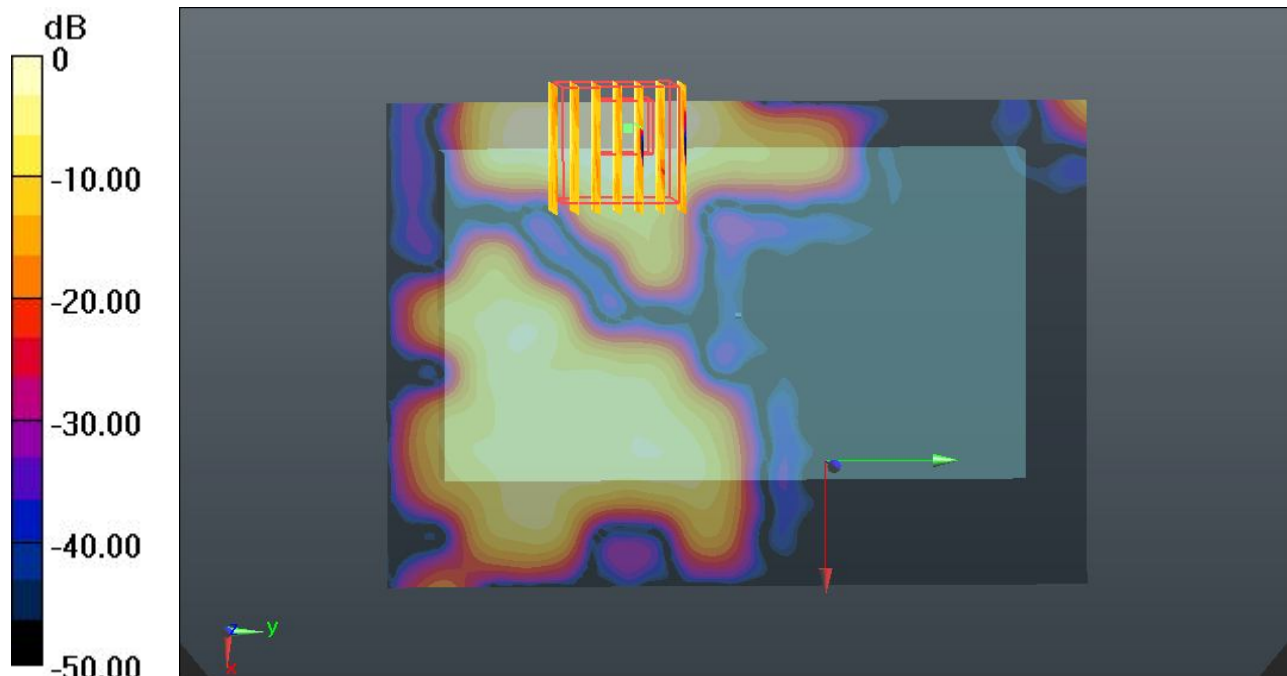
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.474 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.207 mW/g

SAR(1 g) = 0.040 mW/g; SAR(10 g) = 0.012 mW/g

Maximum value of SAR (measured) = 0.125 W/kg



#98 WLAN5.8GHz_802.11an HT20_WLAN Ant.1+2_Left Side_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (51x101x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0547 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.103 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.182 mW/g

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.00586 mW/g

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

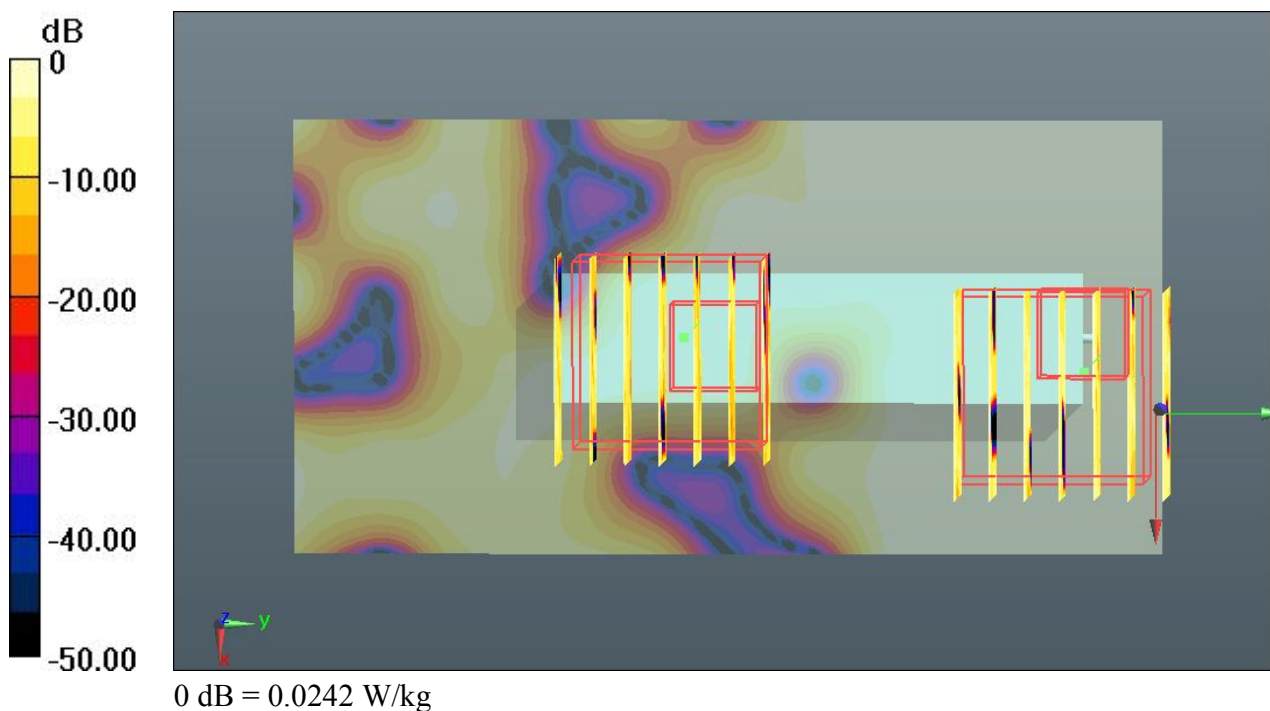
Ch149/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 3.103 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.145 mW/g

SAR(1 g) = 0.00651 mW/g; SAR(10 g) = 0.00113 mW/g

Maximum value of SAR (measured) = 0.0242 W/kg



#99 WLAN5.8GHz_802.11an HT20_WLAN Ant.1+2_Bottom Side_1cm_Ch149

DUT: 312313

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (51x121x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.606 W/kg

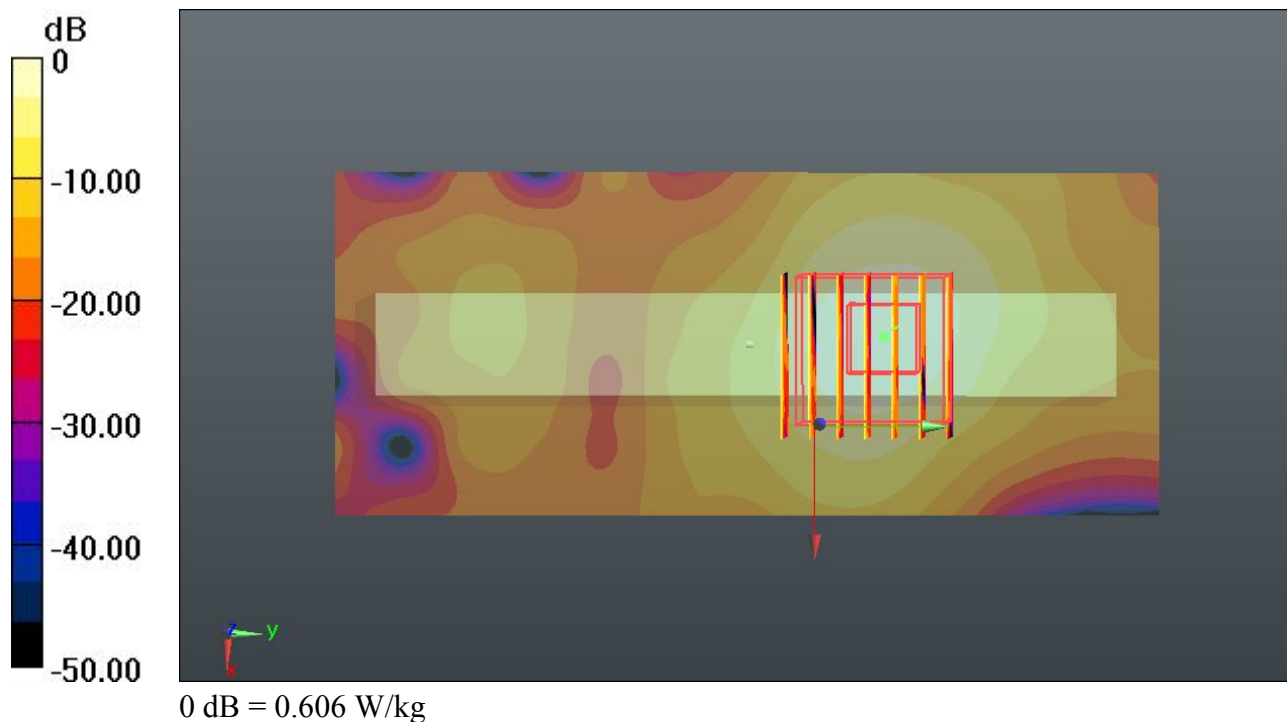
Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 10.107 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.959 mW/g

SAR(1 g) = 0.244 mW/g; SAR(10 g) = 0.078 mW/g

Maximum value of SAR (measured) = 0.606 W/kg



#100 WLAN5.8GHz_802.11an HT20_WLAN Ant.1+2_Top Side_1cm_Ch149**DUT: 312313**

Communication System: WIFI; Frequency: 5745 MHz; Duty Cycle: 1:1.1

Medium: MSL_5G_130412 Medium parameters used: $f = 5745$ MHz; $\sigma = 6.062$ mho/m; $\epsilon_r = 47.59$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3819; ConvF(4.09, 4.09, 4.09); Calibrated: 26.11.2012;
- Sensor-Surface: 1.4mm (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)

Ch149/Area Scan (51x121x1): Interpolated grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.0826 W/kg

Ch149/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.861 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.236 mW/g

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.021 mW/g

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

Ch149/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 4.861 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.214 mW/g

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.00994 mW/g

Maximum value of SAR (measured) = 0.102 W/kg

