

#01 GSM850_GSM_Right Cheek_Ch251

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 849$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.903$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.344 mW/g

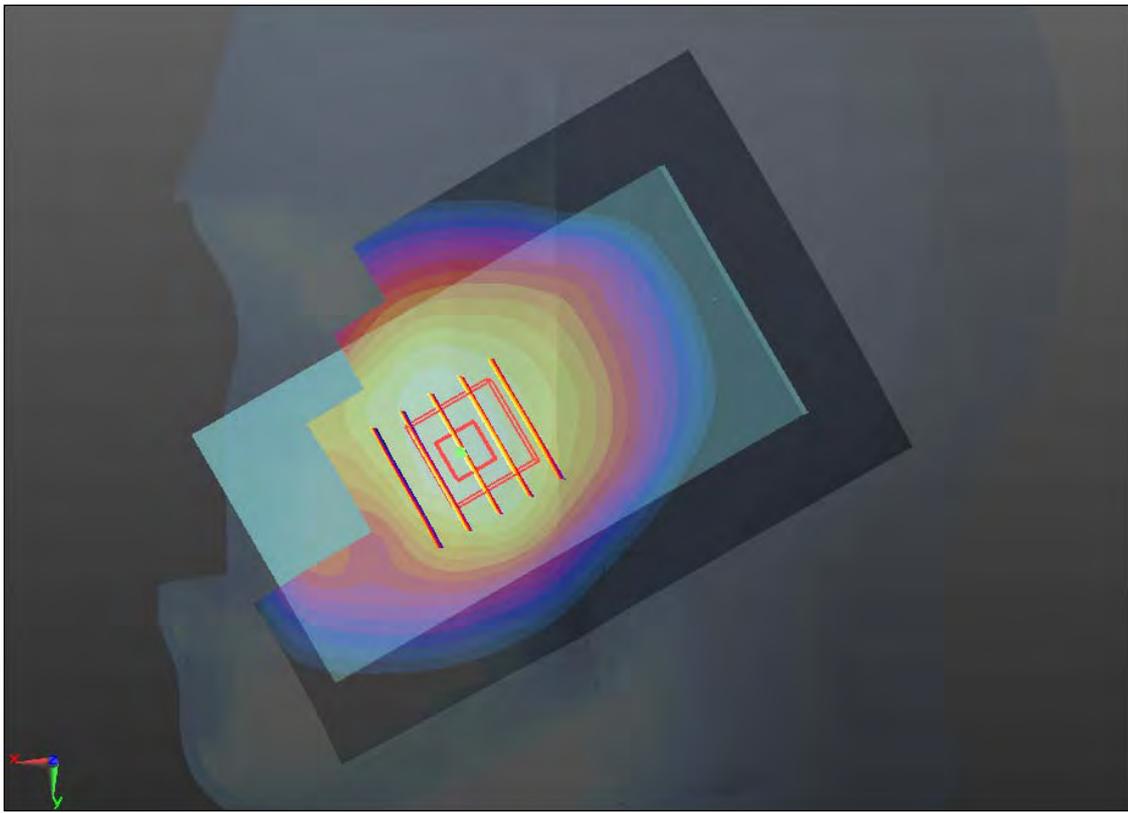
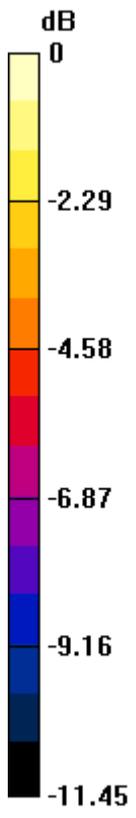
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.137 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.360 W/kg

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.335 mW/g



0 dB = 0.340mW/g

#02 GSM850_GSM_Right Tilted_Ch251

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 849$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.903$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.234 mW/g

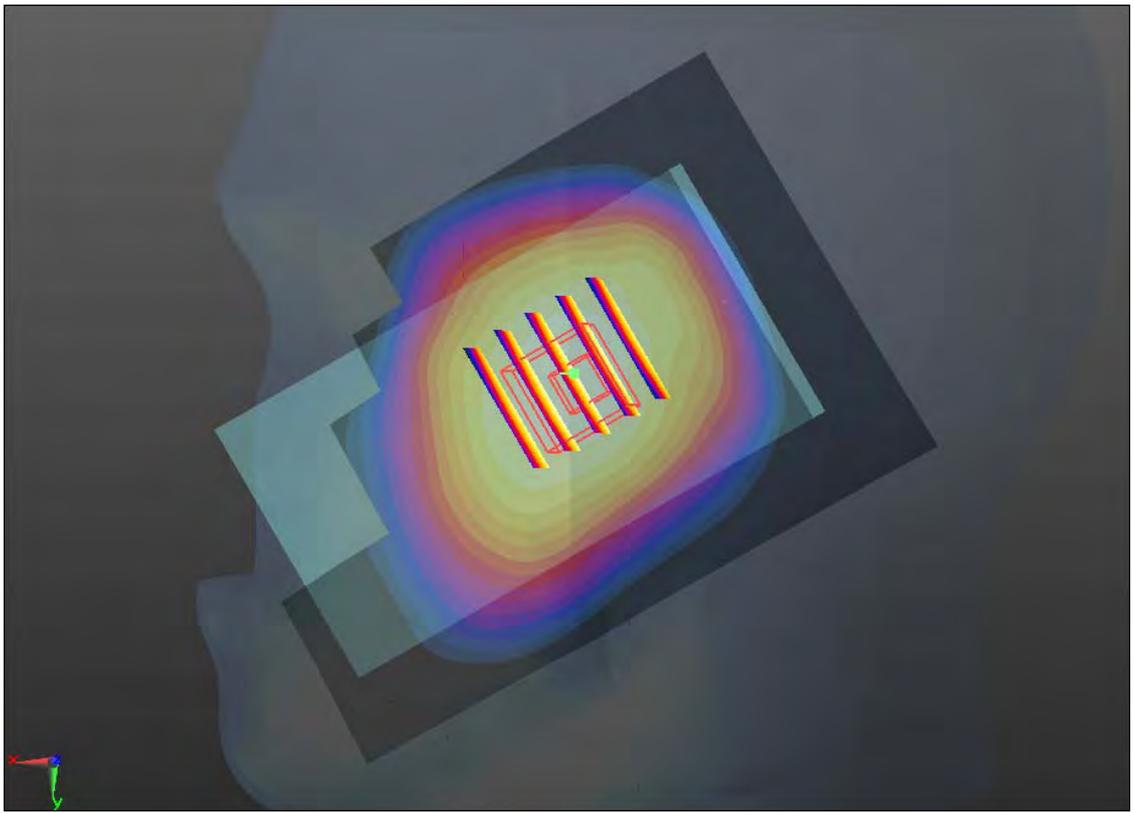
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.927 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.253 W/kg

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.233 mW/g



0 dB = 0.230mW/g

#03 GSM850_GSM_Left Cheek_Ch251

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 849$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.903$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.366 mW/g

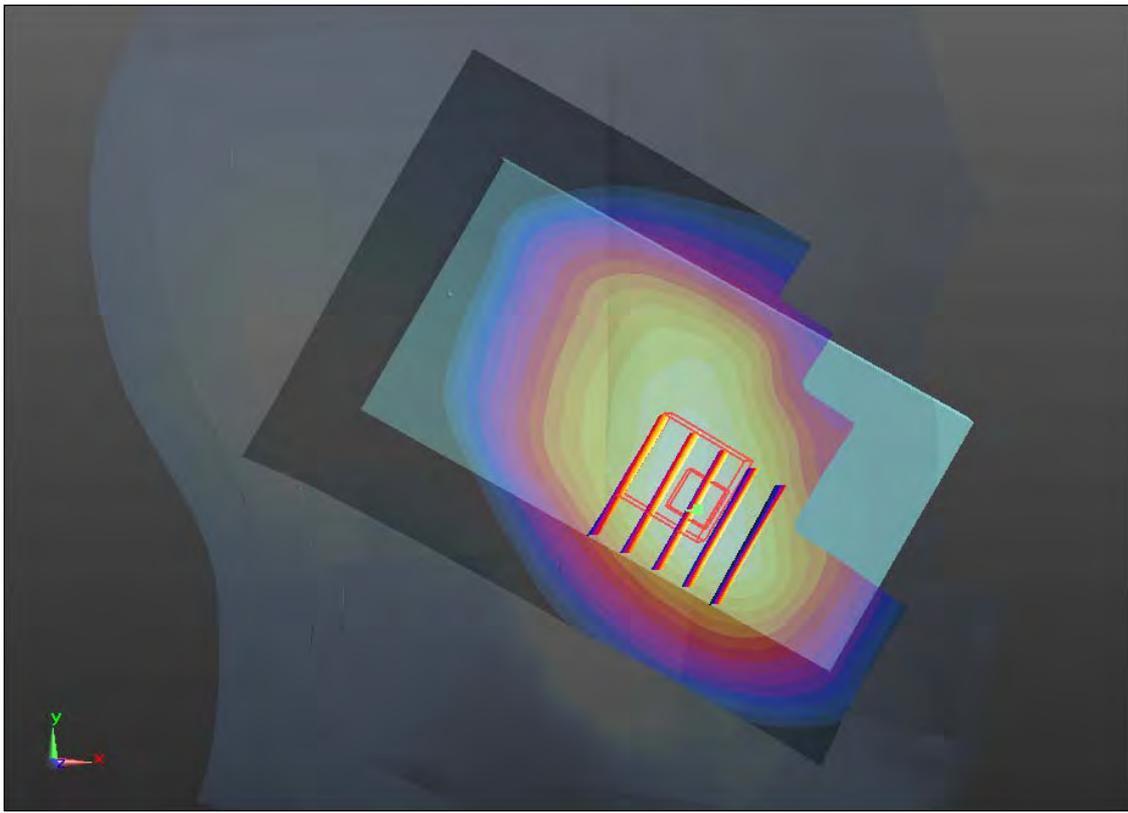
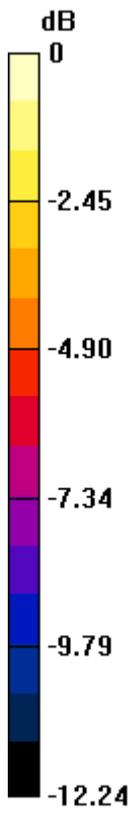
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.683 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.289 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.353 mW/g



0 dB = 0.350mW/g

#04 GSM850_GSM_Left Tilted_Ch251

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 849$ MHz; $\sigma = 0.898$ mho/m; $\epsilon_r = 40.903$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.212 mW/g

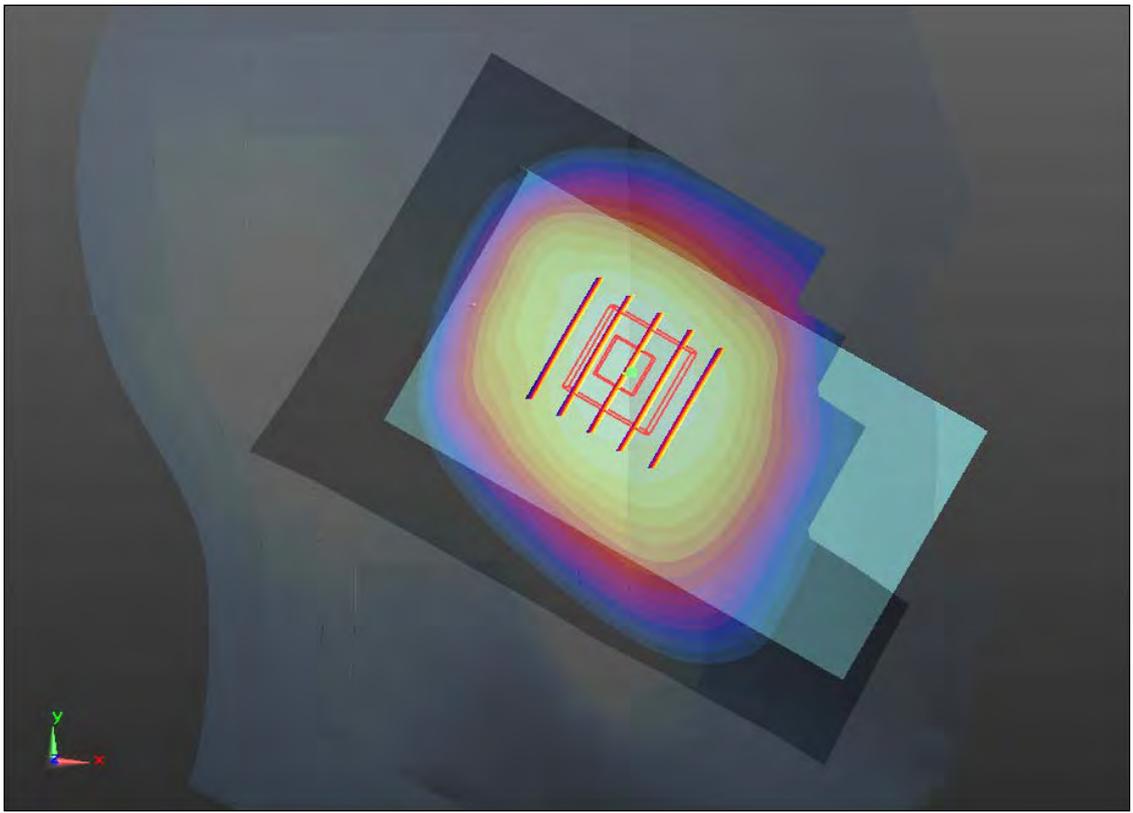
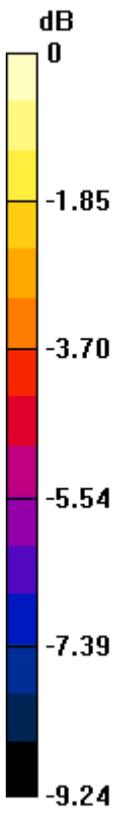
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.421 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.228 W/kg

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.146 mW/g

Maximum value of SAR (measured) = 0.211 mW/g



0 dB = 0.210mW/g

#05 GSM1900_GSM_Right Cheek_Ch810

DUT: 312303

Communication System: General GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL_1900_130227 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.435$ mho/m; $\epsilon_r =$

38.91 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.481 mW/g

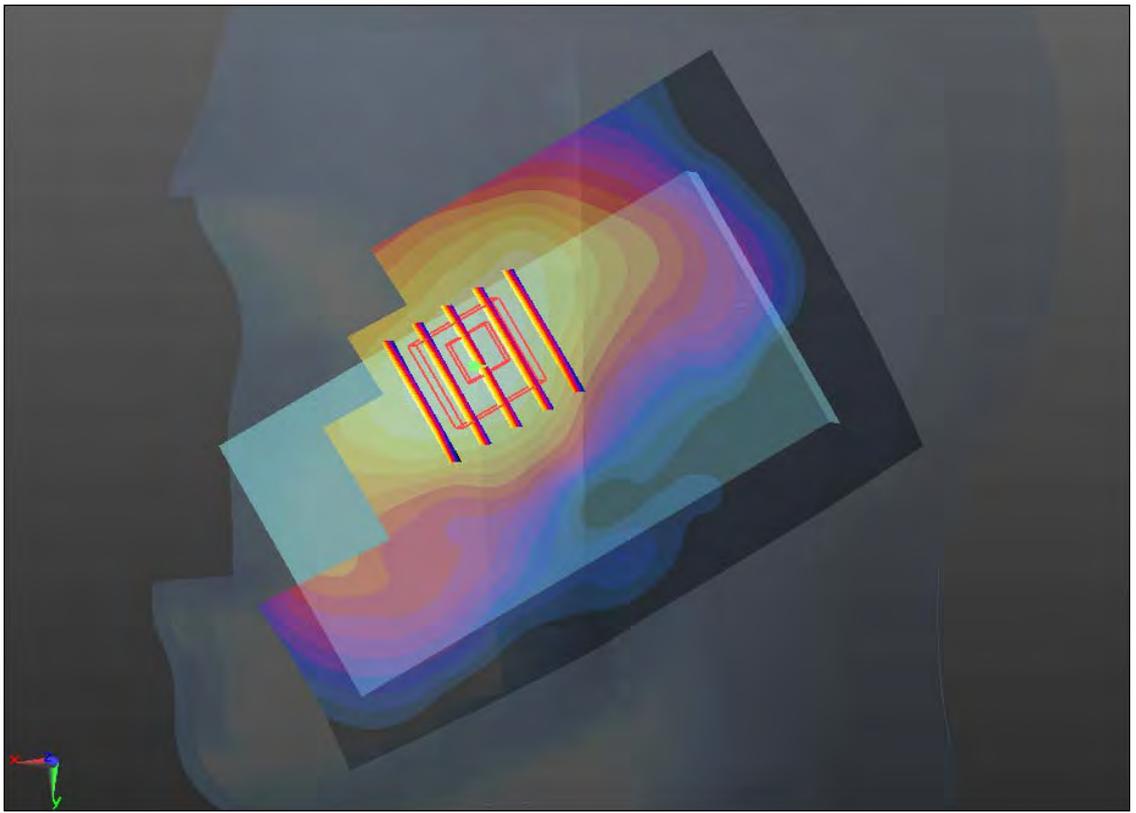
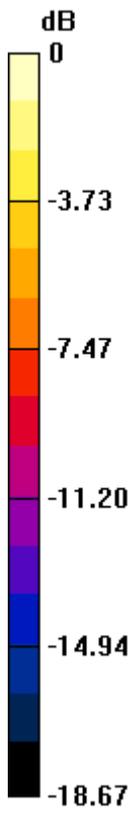
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.415 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.592 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.482 mW/g



0 dB = 0.480mW/g

#06 GSM1900_GSM_Right Tilted_Ch810

DUT: 312303

Communication System: General GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL_1900_130227 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.435$ mho/m; $\epsilon_r =$

38.91 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.273 mW/g

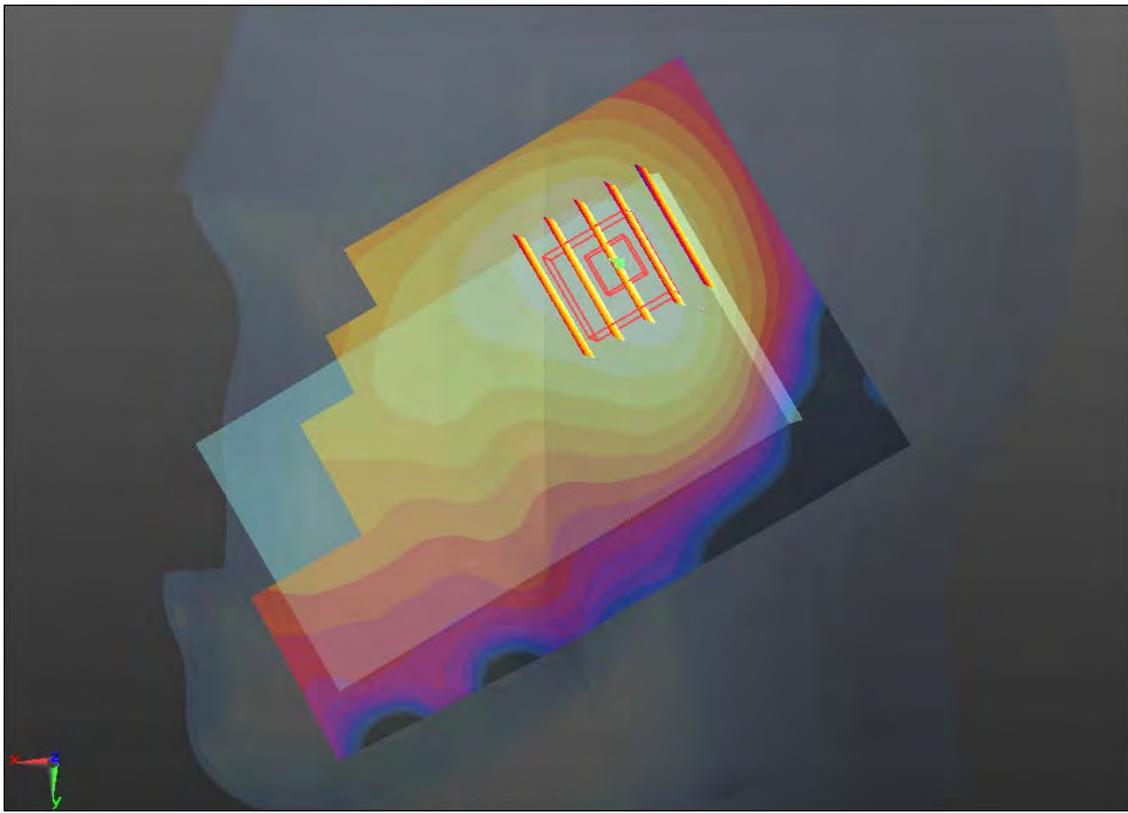
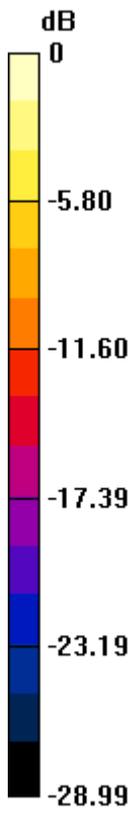
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.228 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.295 W/kg

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.108 mW/g

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



0 dB = 0.230mW/g

#07 GSM1900_GSM_Left Cheek_Ch810

DUT: 312303

Communication System: General GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: HSL_1900_130227 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.435$ mho/m; $\epsilon_r =$

38.91 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.008 mW/g

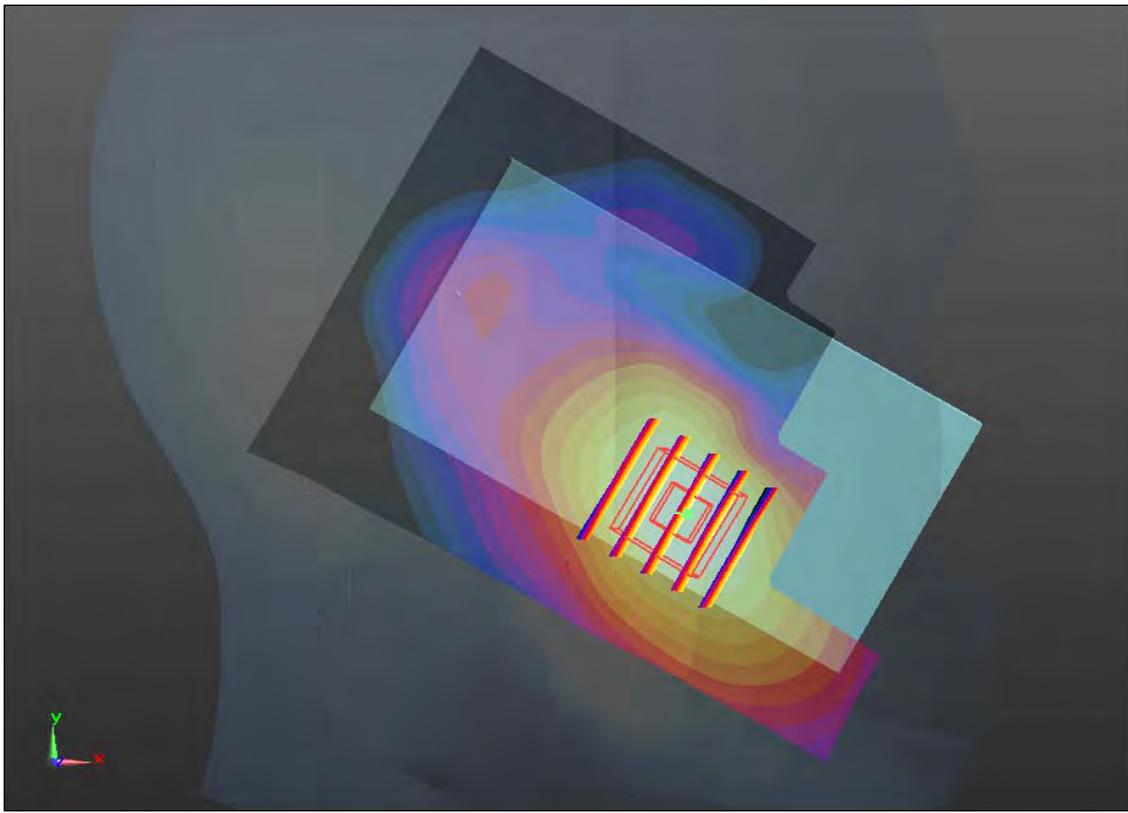
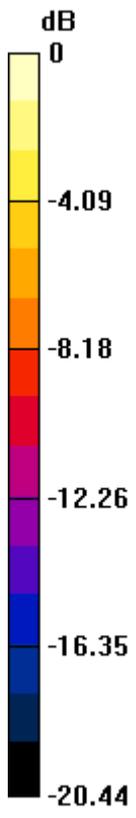
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.859 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.126 W/kg

SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.913 mW/g



0 dB = 0.910mW/g

#08 GSM1900_GSM_Left Tilted_Ch810

DUT: 312303

Communication System: General GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3
Medium: HSL_1900_130227 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.435$ mho/m; $\epsilon_r = 38.91$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C; Liquid Temperature : 21.1 °C

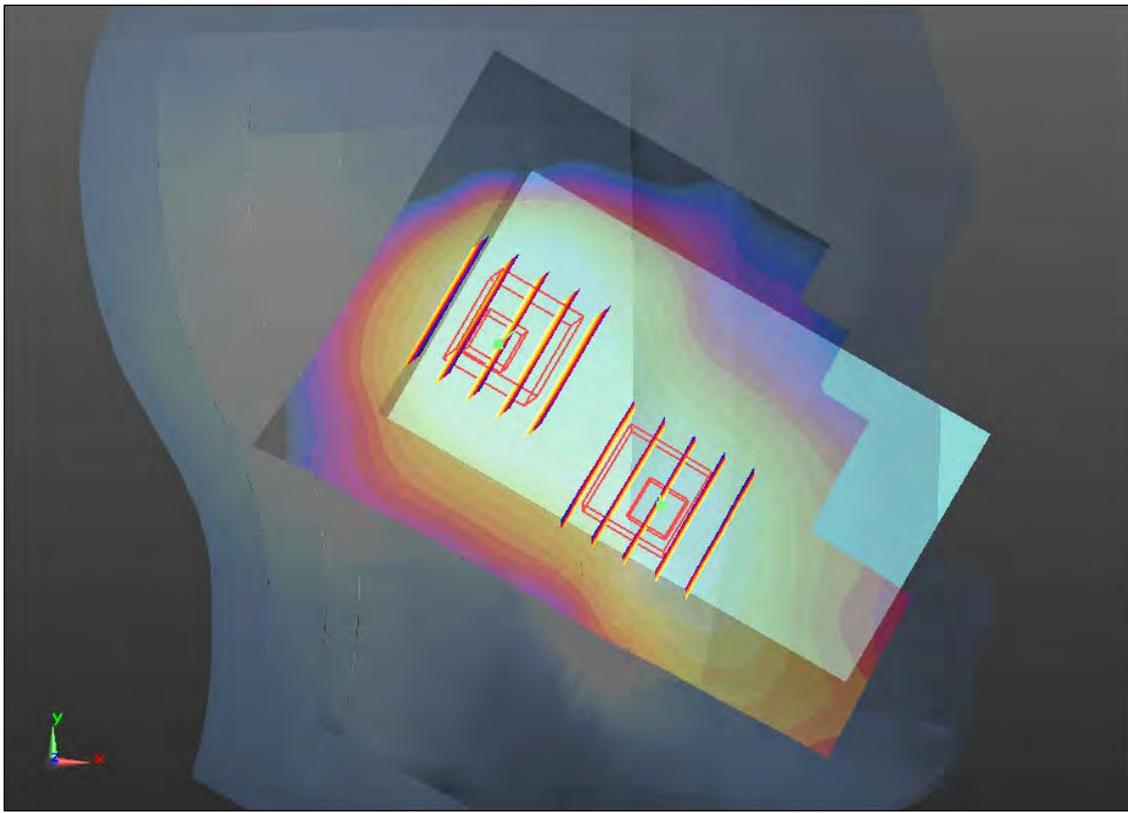
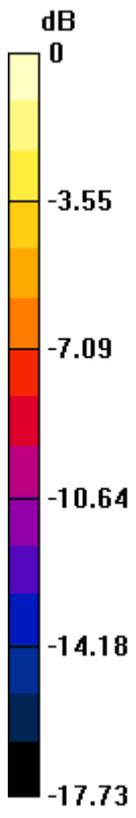
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.195 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.899 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.217 W/kg
SAR(1 g) = 0.134 mW/g; SAR(10 g) = 0.083 mW/g
Maximum value of SAR (measured) = 0.174 mW/g

Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.899 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.145 W/kg
SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.060 mW/g
Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.120mW/g

#09 WCDMA Band V_RMC12.2K_Right Cheek_Ch4233

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 847$ MHz; $\sigma = 0.896$ mho/m; $\epsilon_r = 40.934$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.476 mW/g

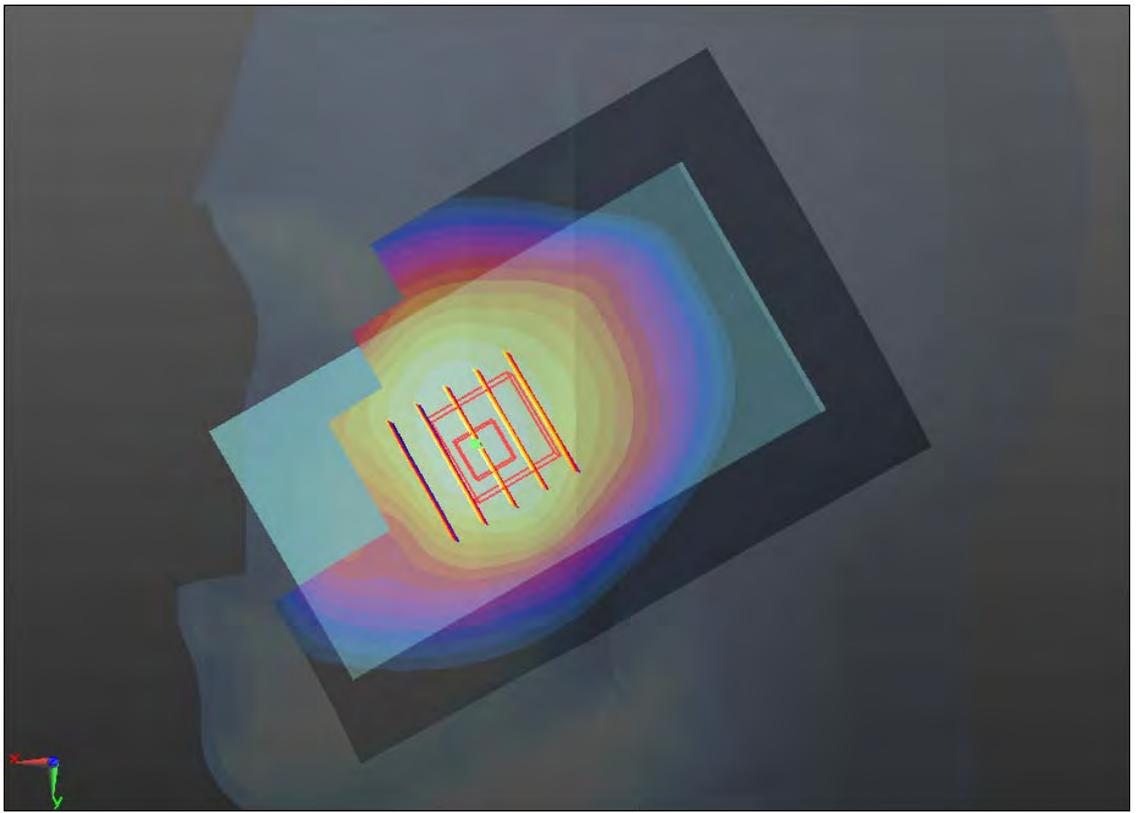
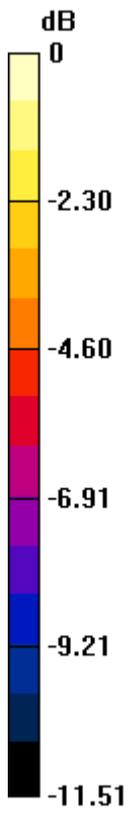
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.898 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.488 W/kg

SAR(1 g) = 0.419 mW/g; SAR(10 g) = 0.319 mW/g

Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.460mW/g

#10 WCDMA Band V_RMC12.2K_Right Tilted_Ch4233

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 847$ MHz; $\sigma = 0.896$ mho/m; $\epsilon_r = 40.934$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.321 mW/g

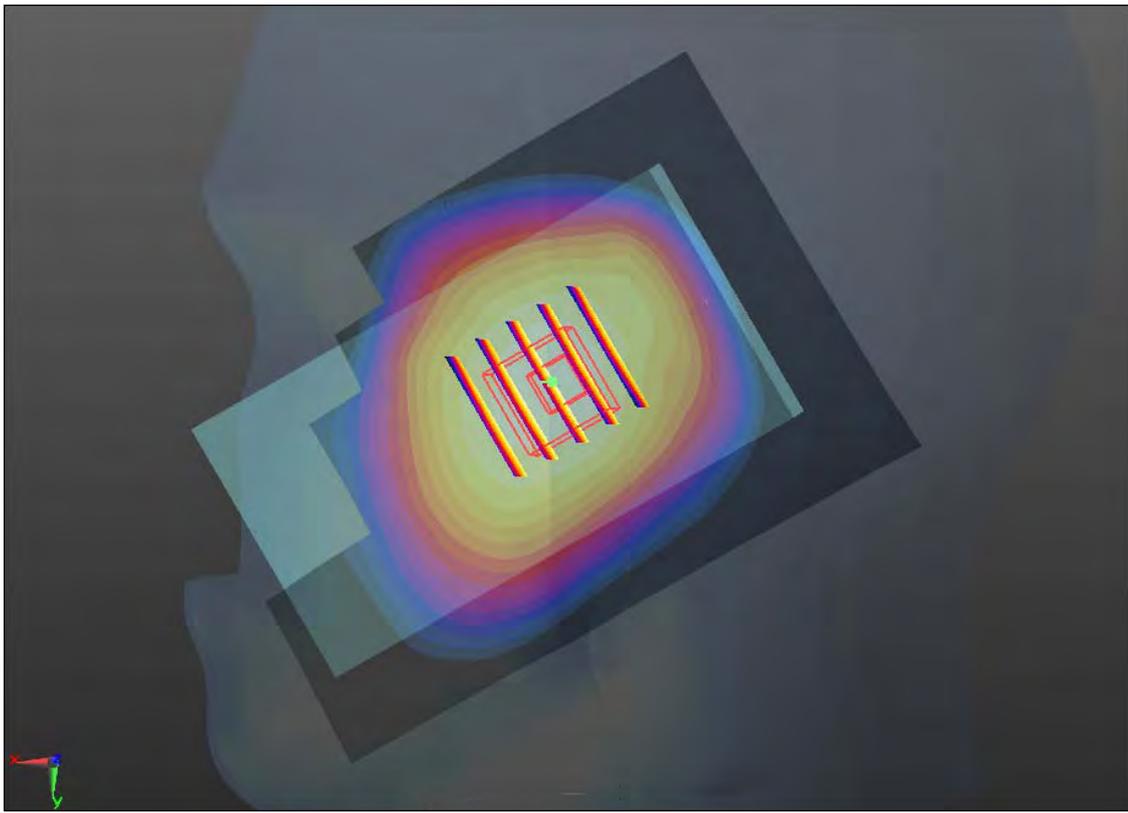
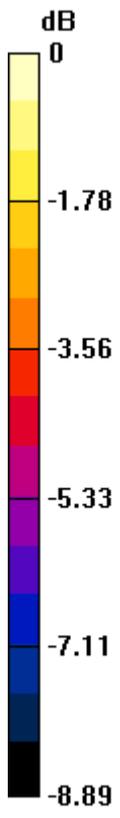
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.316 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.341 W/kg

SAR(1 g) = 0.280 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.315 mW/g



0 dB = 0.320mW/g

#11 WCDMA Band V_RMC12.2K_Left Cheek_Ch4233

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 847$ MHz; $\sigma = 0.896$ mho/m; $\epsilon_r = 40.934$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.505 mW/g

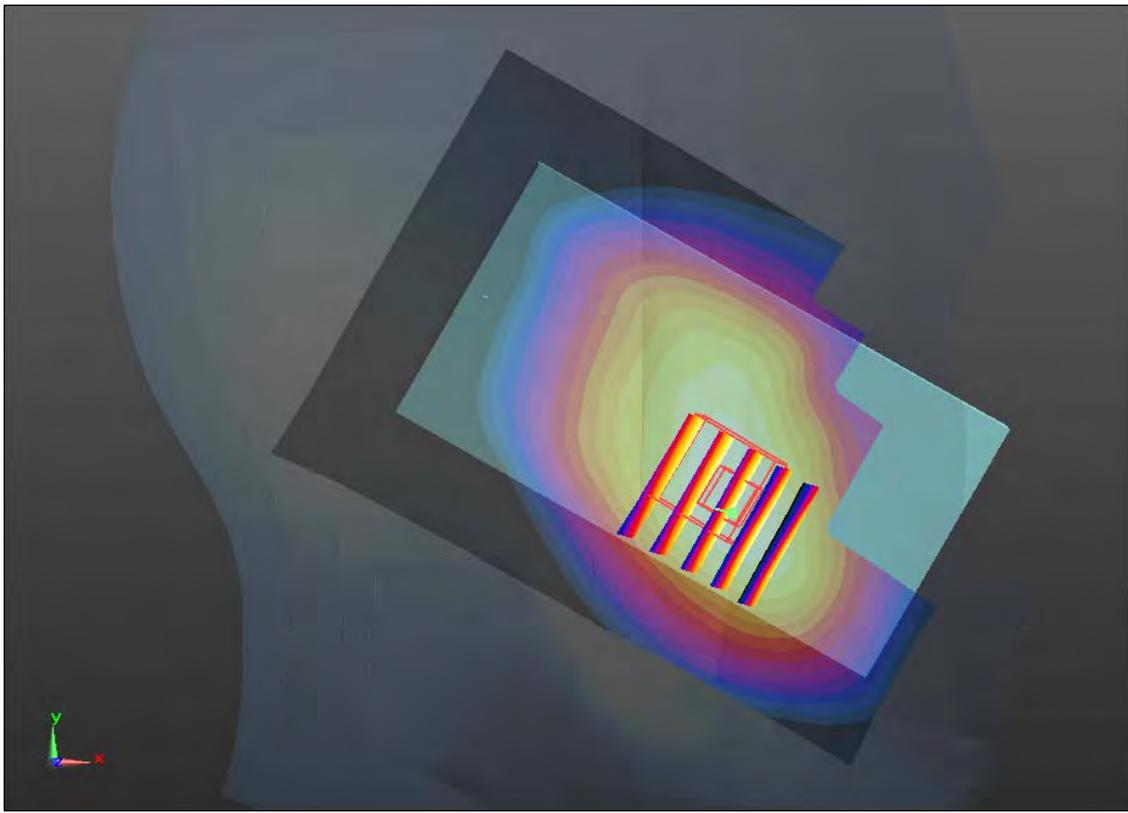
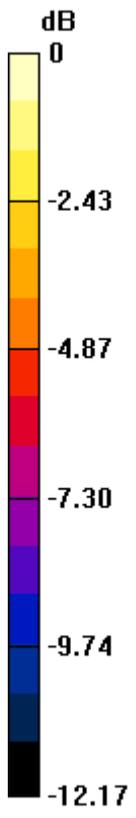
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.388 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.573 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.492 mW/g



0 dB = 0.490mW/g

#12 WCDMA Band V_RMC12.2K_Left Tilted_Ch4233

DUT: 312303

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

Medium: HSL_835_130226 Medium parameters used: $f = 847$ MHz; $\sigma = 0.896$ mho/m; $\epsilon_r = 40.934$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.298 mW/g

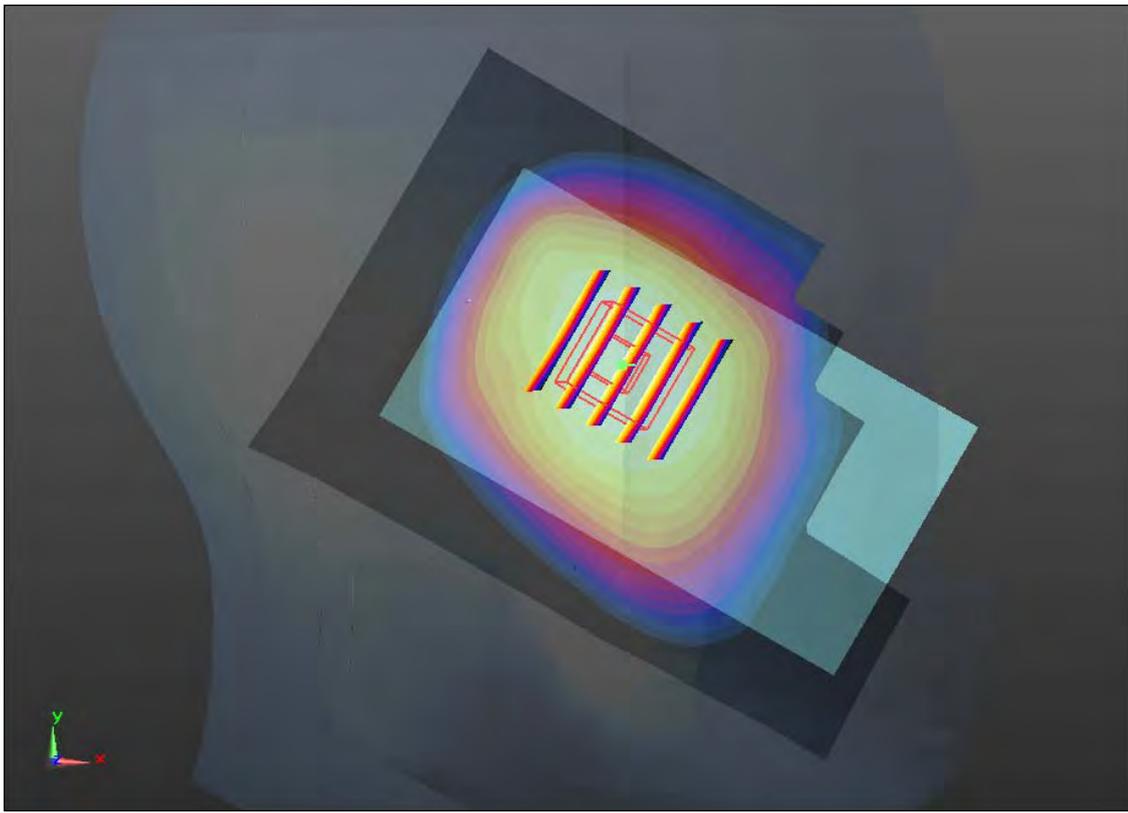
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.153 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.314 W/kg

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.200 mW/g

Maximum value of SAR (measured) = 0.291 mW/g



0 dB = 0.290mW/g

#13 WCDMA Band II_RMC12.2K_Right Cheek_Ch9400

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.951 mW/g

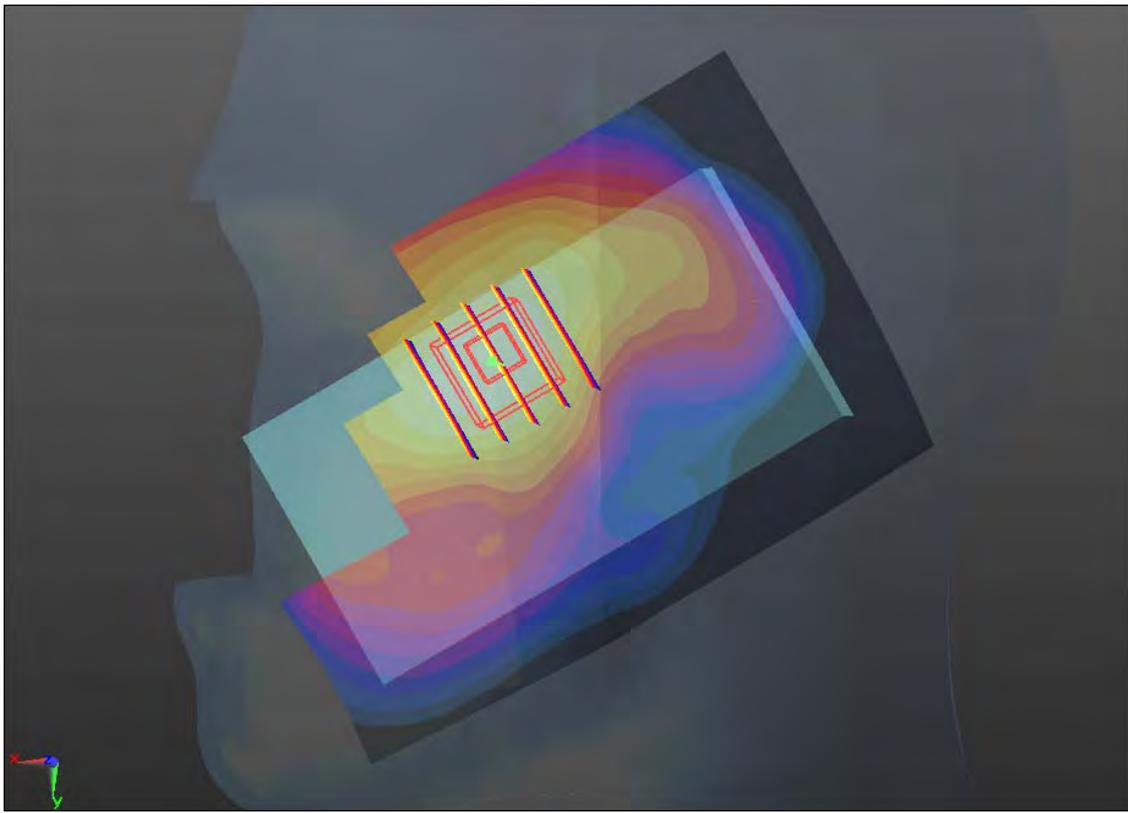
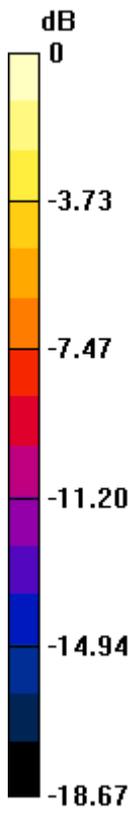
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.999 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.112 W/kg

SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.429 mW/g

Maximum value of SAR (measured) = 0.919 mW/g



0 dB = 0.920mW/g

#14 WCDMA Band II_RMC12.2K_Right Tilted_Ch9400

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.440 mW/g

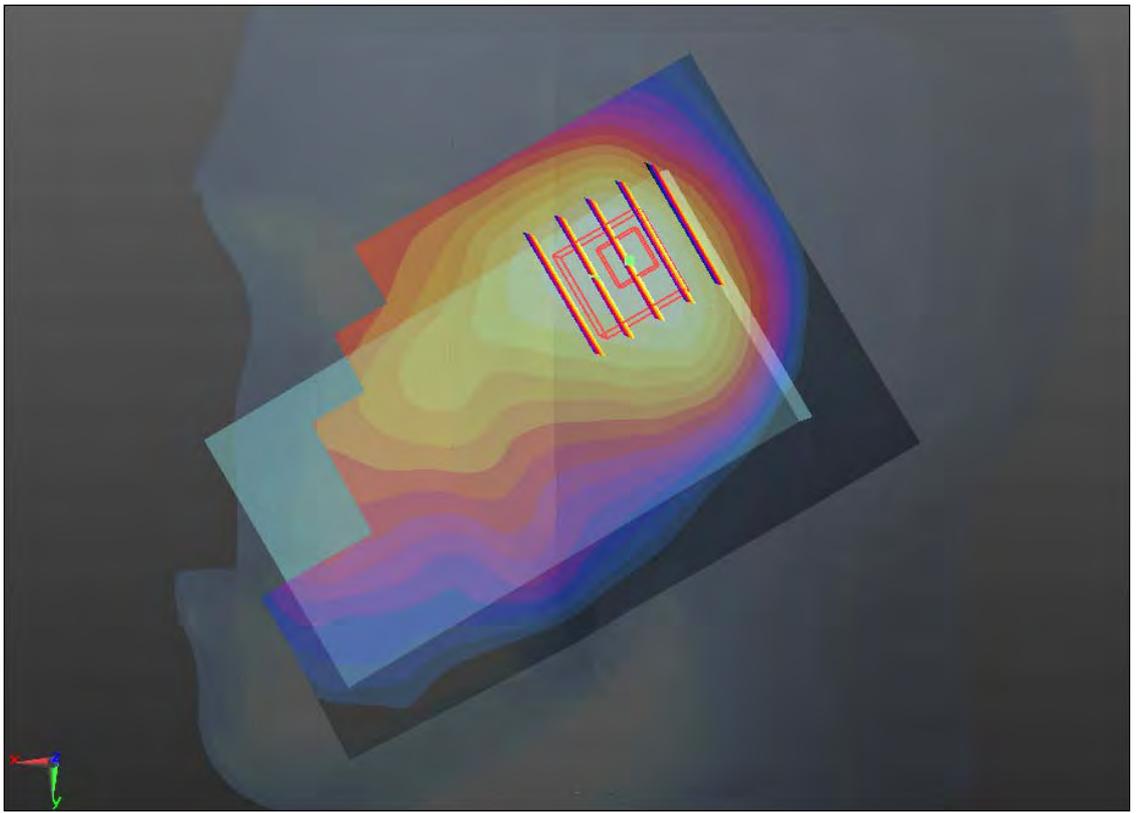
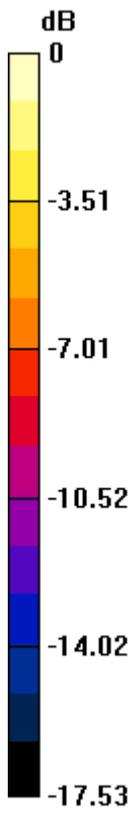
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.375 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.359 mW/g



0 dB = 0.360mW/g

#15 WCDMA Band II_RMC12.2K_Left Cheek_Ch9400

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.830 mW/g

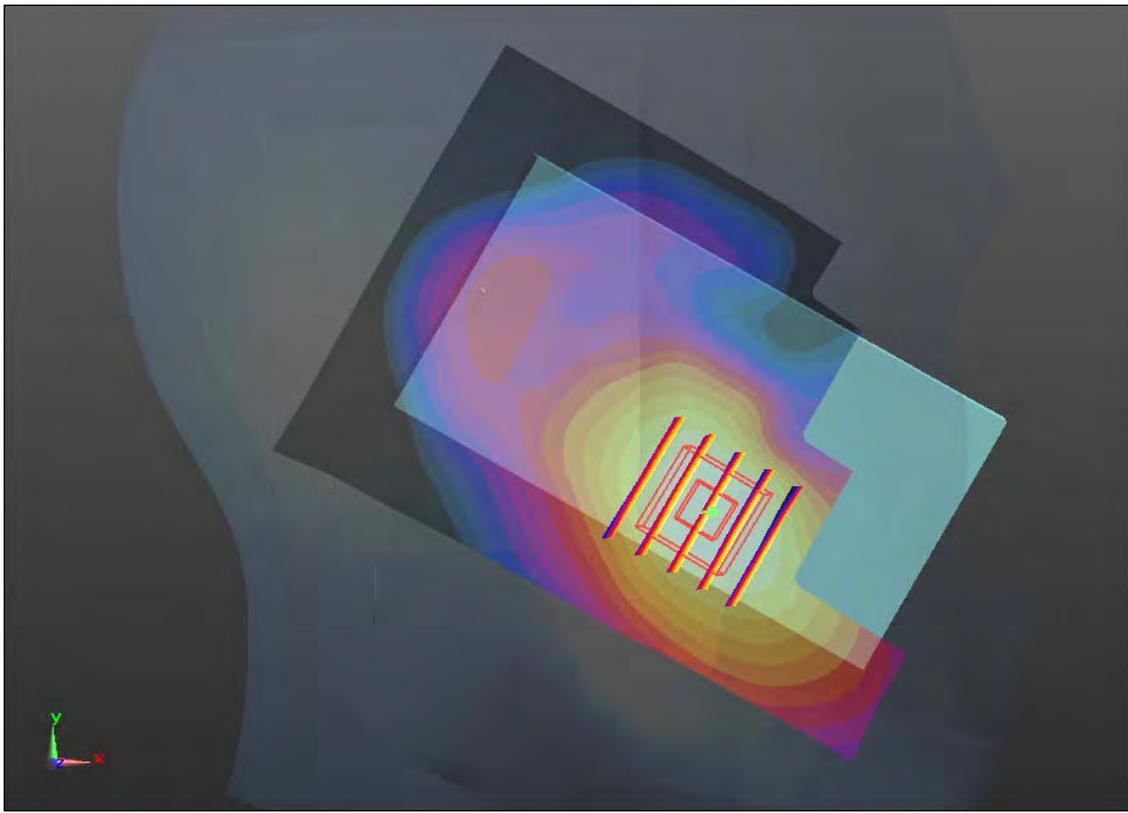
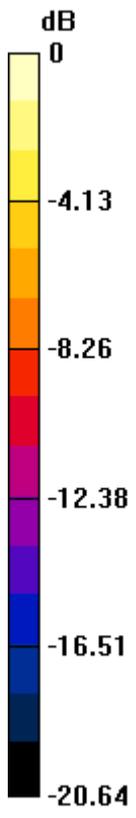
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.243 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.969 W/kg

SAR(1 g) = 1.220 mW/g; SAR(10 g) = 0.703 mW/g

Maximum value of SAR (measured) = 1.607 mW/g



0 dB = 1.610mW/g

#16 WCDMA Band II_RMC12.2K_Left Tilted_Ch9400

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.296 mW/g

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

Reference Value = 12.709 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.334 W/kg

SAR(1 g) = 0.207 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.258 mW/g

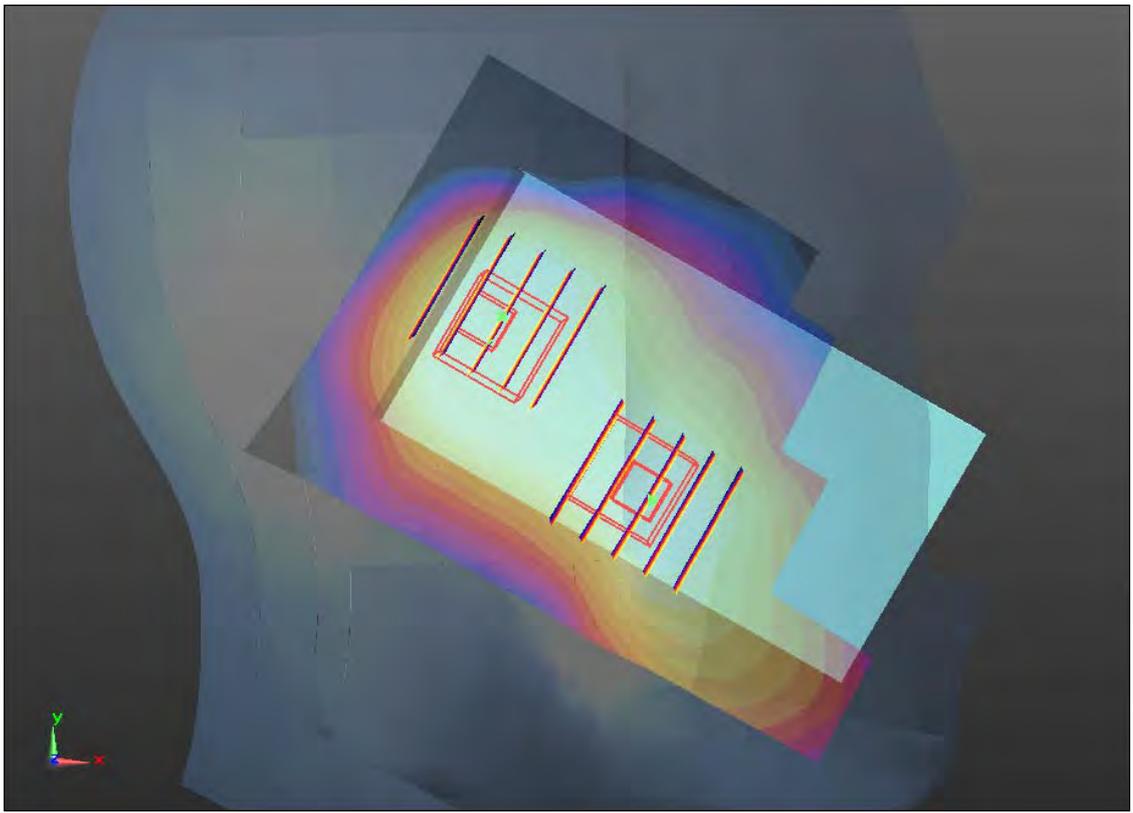
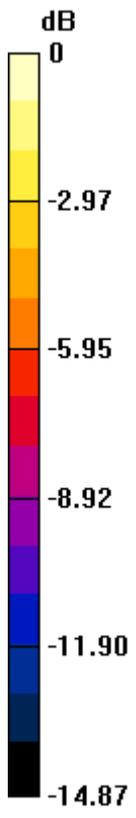
Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.709 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.241 W/kg

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.206 mW/g



0 dB = 0.210mW/g

#17 WCDMA Band II_RMC12.2K_Right Cheek_Ch9262

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.377$ mho/m; $\epsilon_r =$

39.135 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.989 mW/g

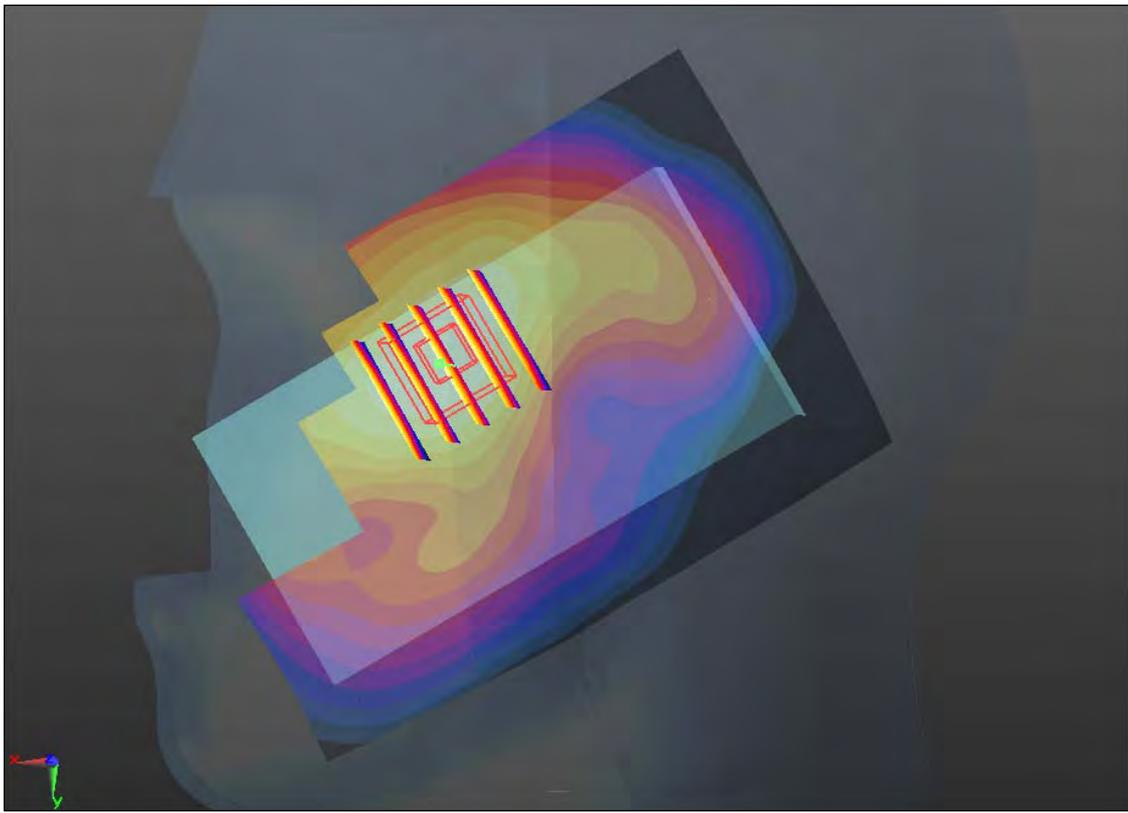
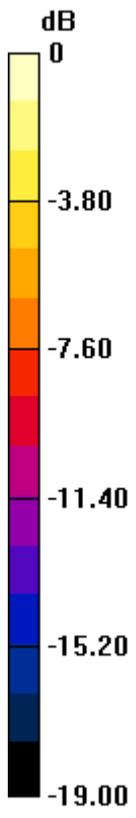
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.661 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.161 W/kg

SAR(1 g) = 0.758 mW/g; SAR(10 g) = 0.455 mW/g

Maximum value of SAR (measured) = 0.964 mW/g



0 dB = 0.960mW/g

#18 WCDMA Band II_RMC12.2K_Right Cheek_Ch9538

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.433$ mho/m; $\epsilon_r =$

38.92 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.843 mW/g

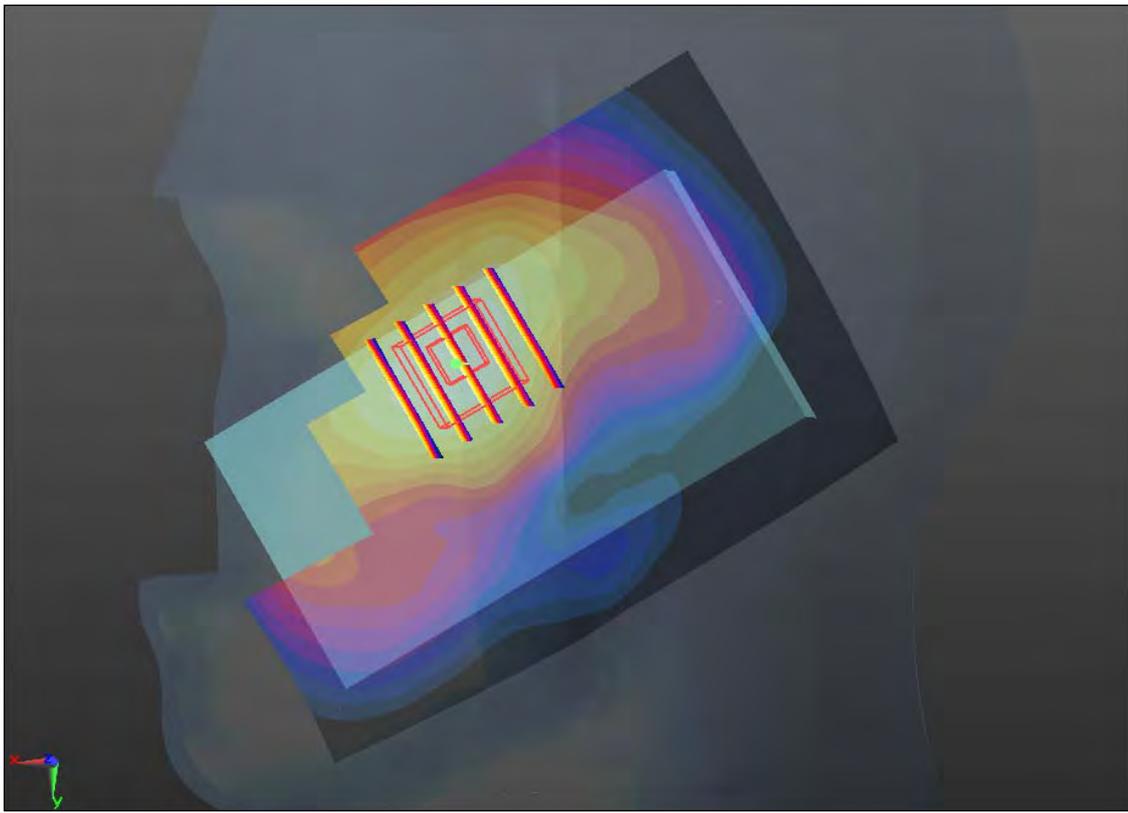
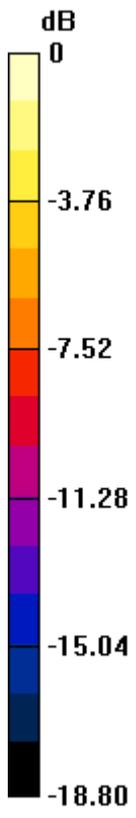
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.777 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.981 W/kg

SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (measured) = 0.811 mW/g



0 dB = 0.810mW/g

#19 WCDMA Band II_RMC12.2K_Left Cheek_Ch9262

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.377$ mho/m; $\epsilon_r =$

39.135 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.860 mW/g

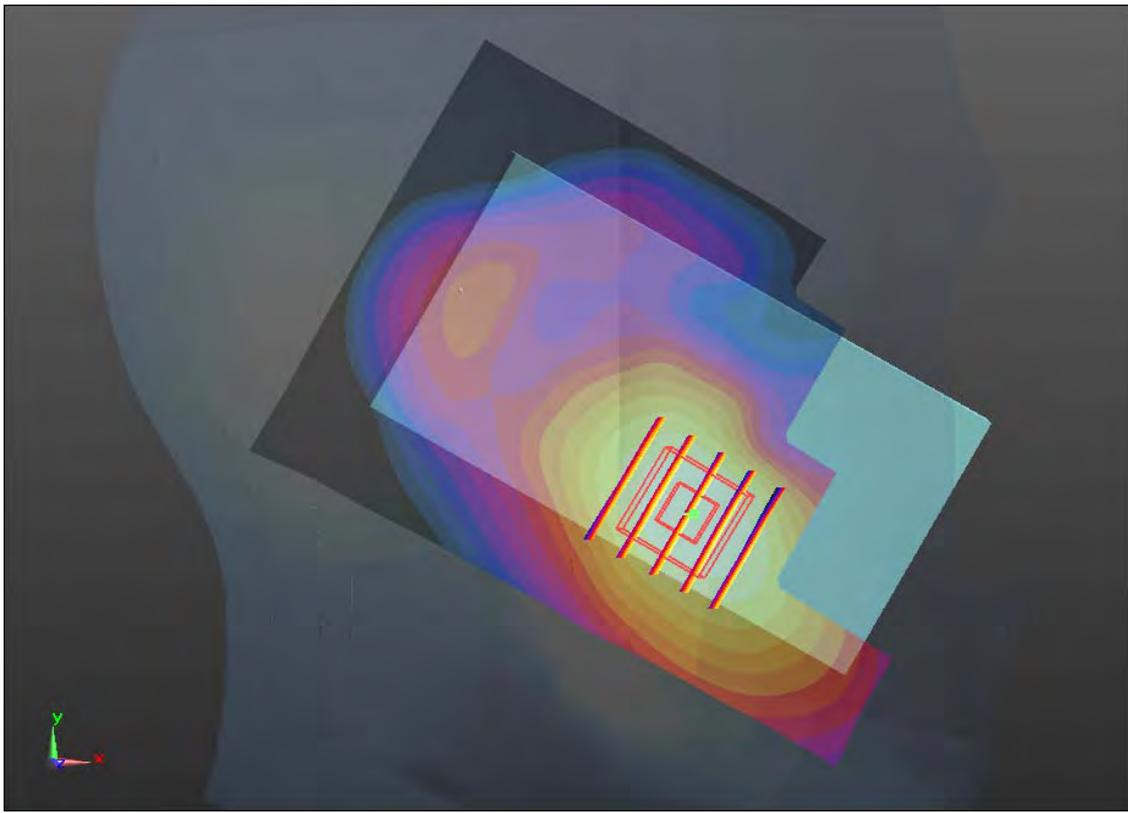
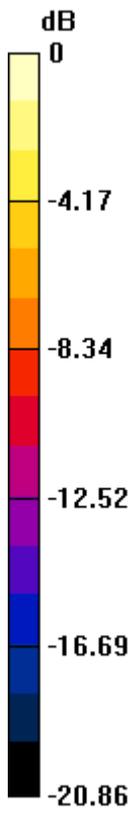
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.692 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.981 W/kg

SAR(1 g) = 1.240 mW/g; SAR(10 g) = 0.718 mW/g

Maximum value of SAR (measured) = 1.626 mW/g



0 dB = 1.630mW/g

#20 WCDMA Band II_RMC12.2K_Left Cheek_Ch9262_Repeat SAR

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.377$ mho/m; $\epsilon_r =$

39.135 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.710 mW/g

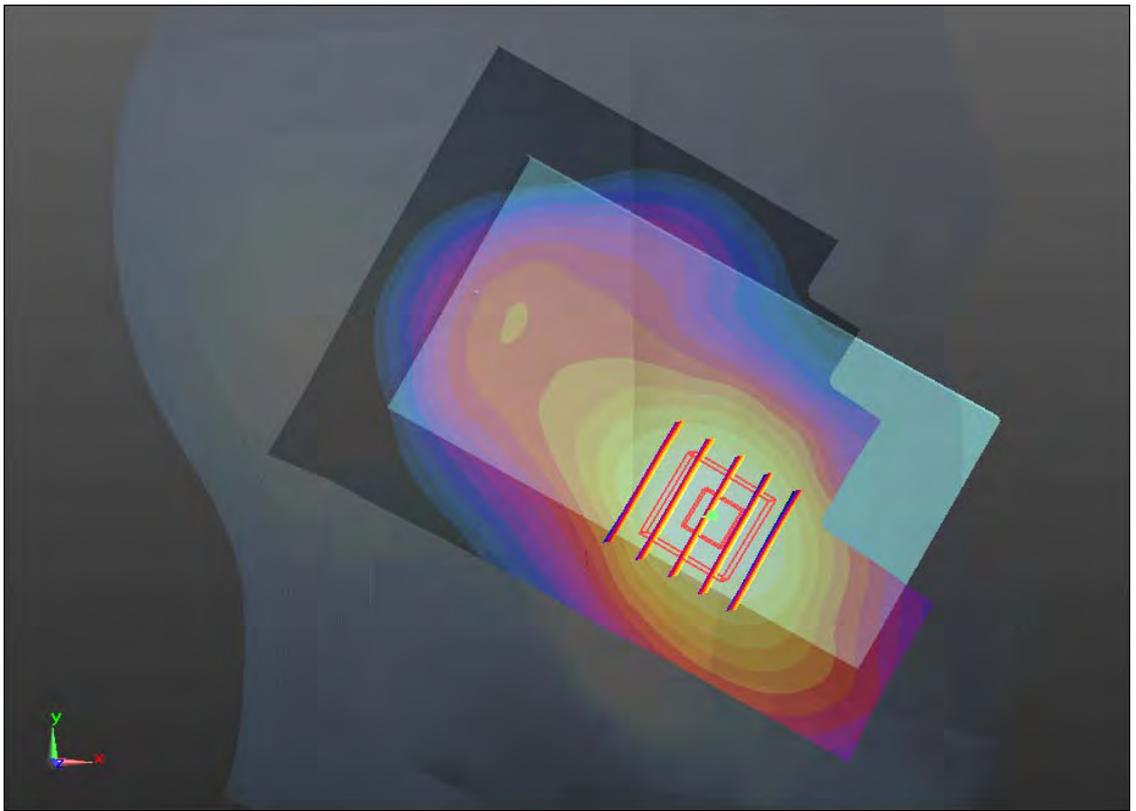
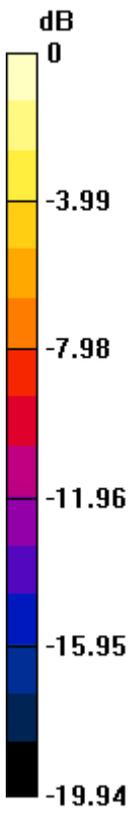
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.458 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.912 W/kg

SAR(1 g) = 1.210 mW/g; SAR(10 g) = 0.702 mW/g

Maximum value of SAR (measured) = 1.581 mW/g



0 dB = 1.580mW/g

#21 WCDMA Band II_RMC12.2K_Left Cheek_Ch9538

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.433$ mho/m; $\epsilon_r =$

38.92 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.701 mW/g

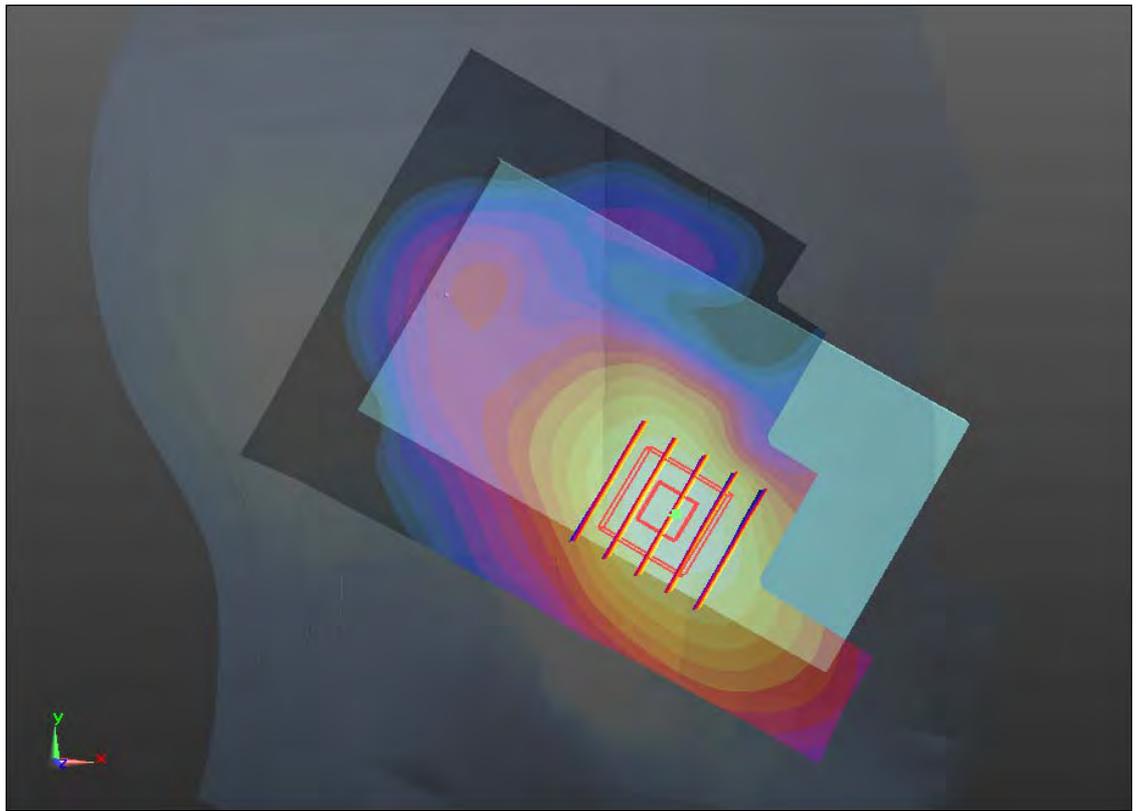
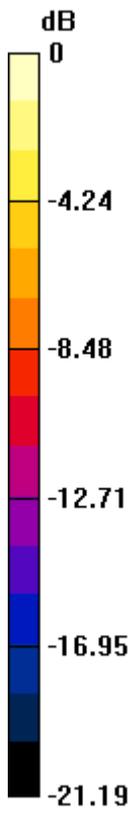
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.583 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.922 W/kg

SAR(1 g) = 1.160 mW/g; SAR(10 g) = 0.654 mW/g

Maximum value of SAR (measured) = 1.552 mW/g



0 dB = 1.550mW/g

#28 LTE Band 2_20M QPSK 1RB 0offset_Right Cheek_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.794 mW/g

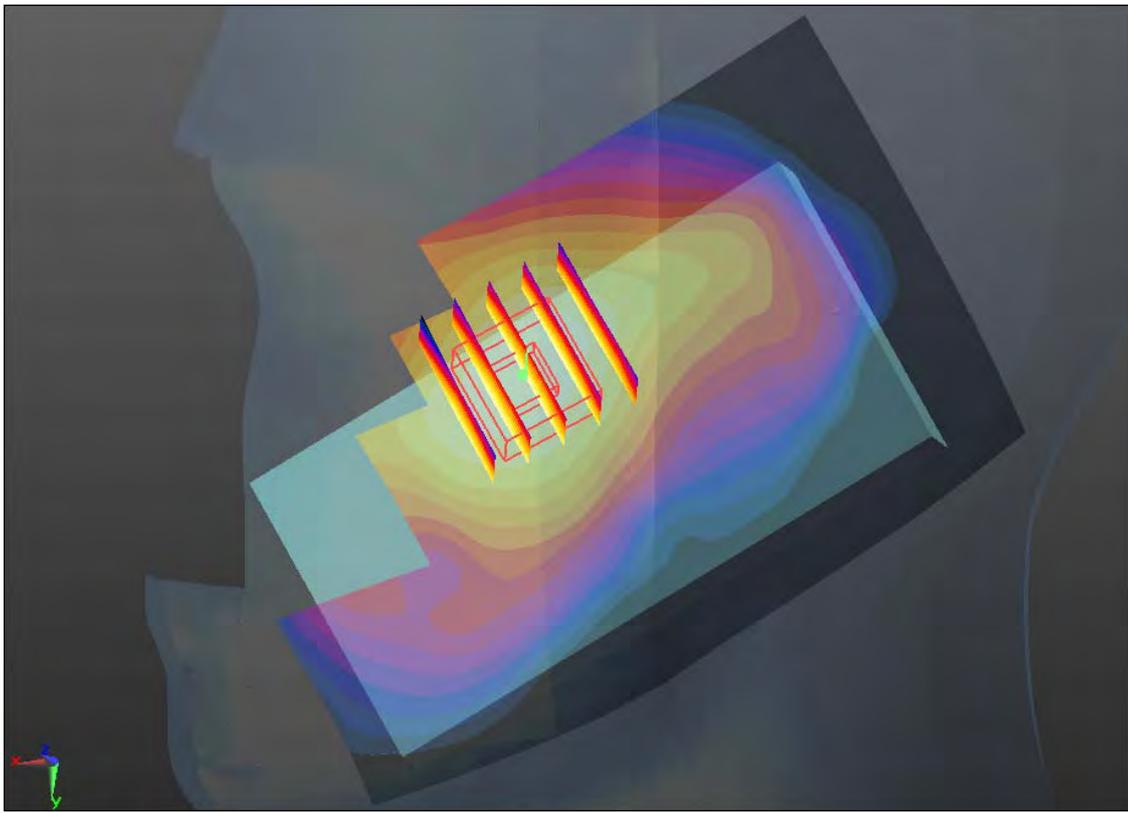
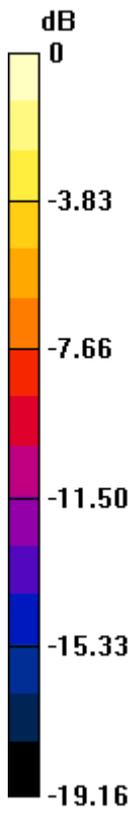
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.465 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.906 W/kg

SAR(1 g) = 0.625 mW/g; SAR(10 g) = 0.394 mW/g

Maximum value of SAR (measured) = 0.781 mW/g



0 dB = 0.780mW/g

#29 LTE Band 2_20M QPSK 1RB 0offset_Right Tilted_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.402 mW/g

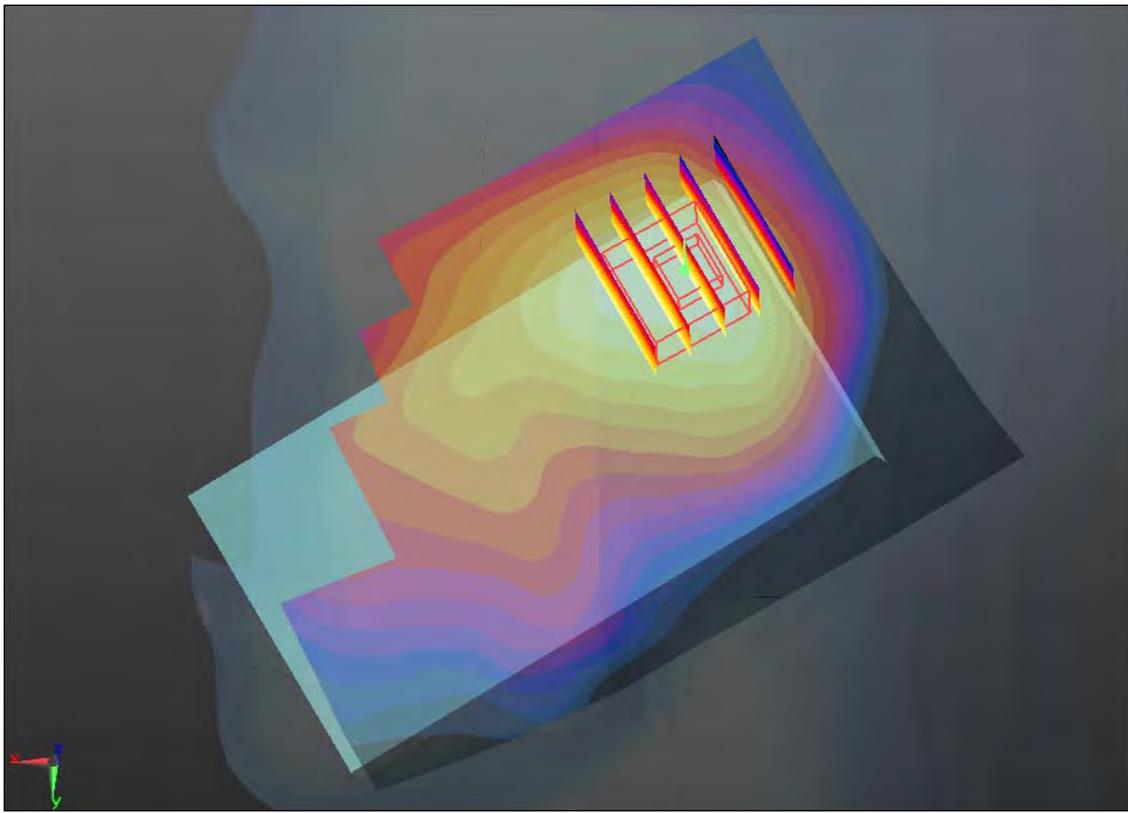
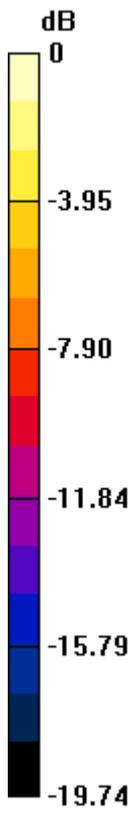
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.584 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.405 W/kg

SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.172 mW/g

Maximum value of SAR (measured) = 0.346 mW/g



0 dB = 0.350mW/g

#30 LTE Band 2_20M QPSK 1RB 0offset_Left Cheek_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.569 mW/g

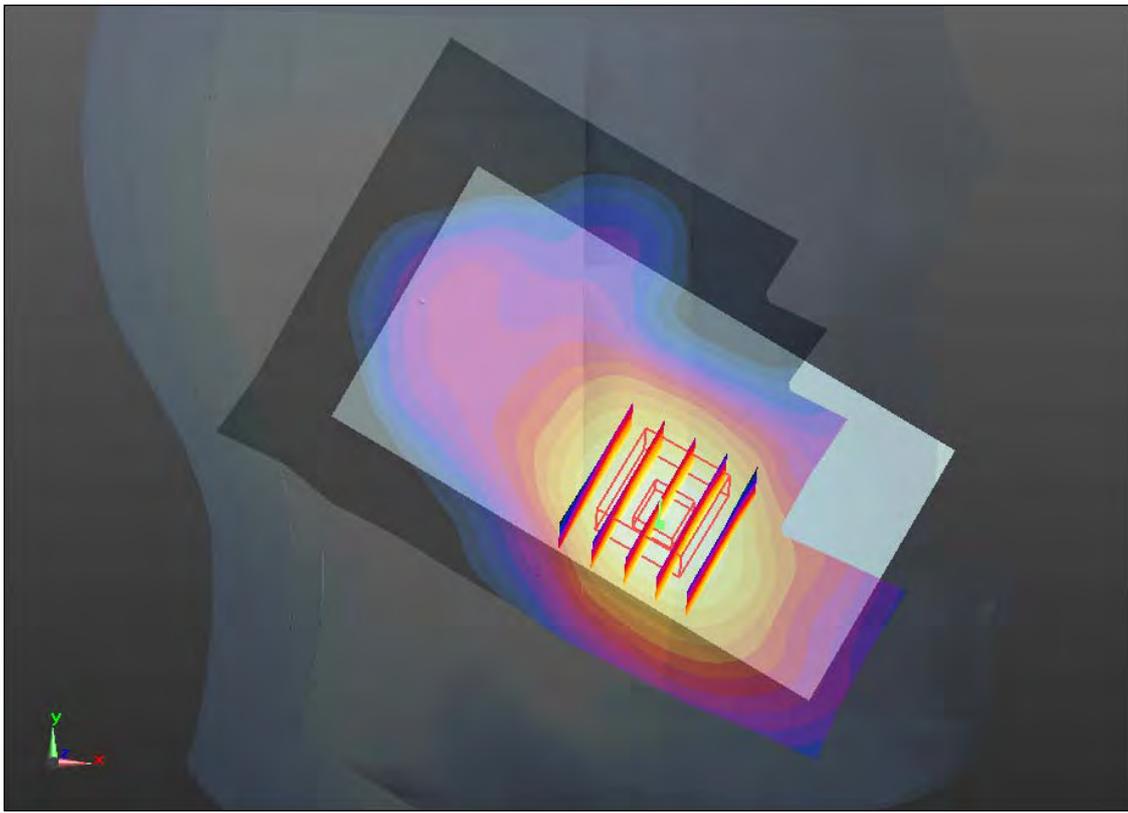
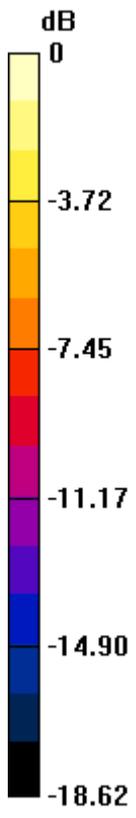
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.587 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.639 W/kg

SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.650 mW/g

Maximum value of SAR (measured) = 1.393 mW/g



0 dB = 1.390mW/g

#31 LTE Band 2_20M QPSK 1RB 0offset_Left Tilted_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.271 mW/g

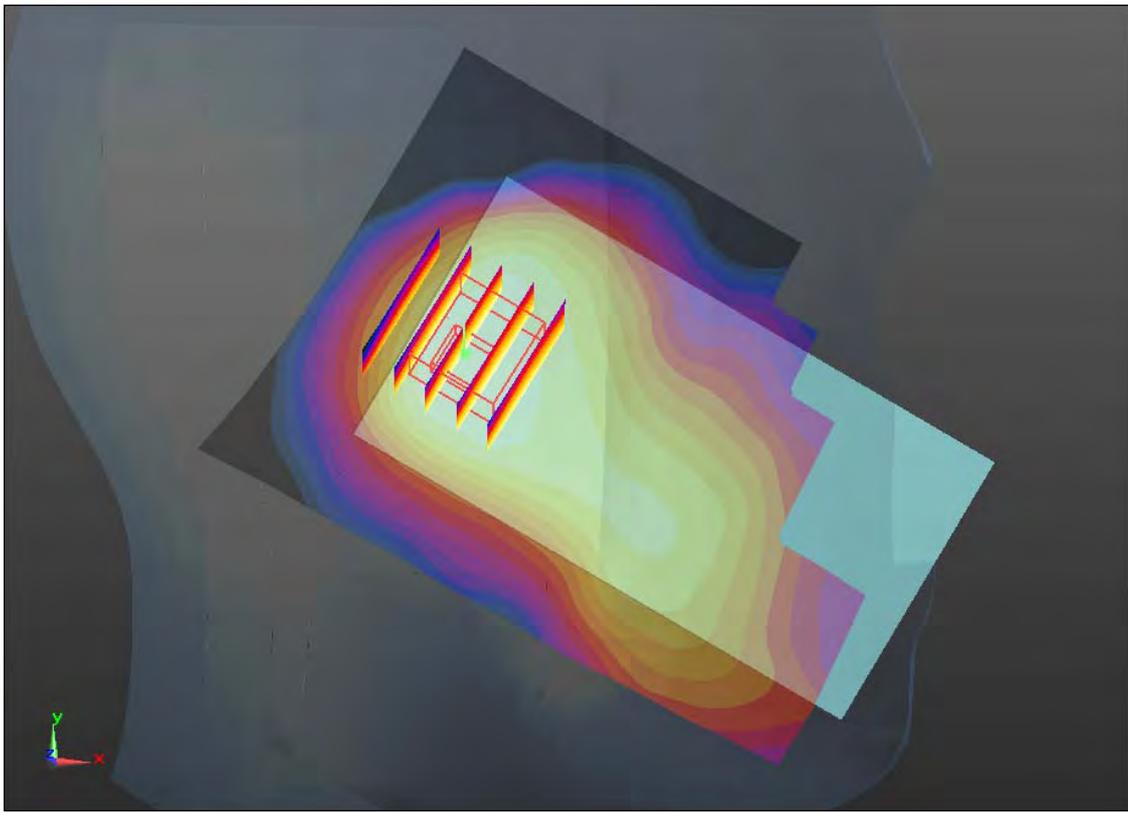
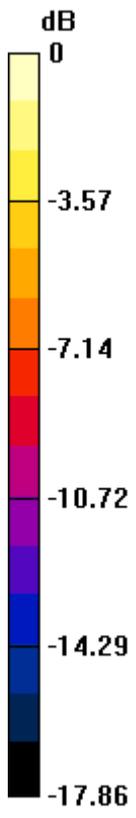
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.695 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.238 mW/g



0 dB = 0.240mW/g

#32 LTE Band 2_20M QPSK 1RB 0offset_Left Cheek_Ch18700

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL_1900_130227 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r =$

39.111 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.644 mW/g

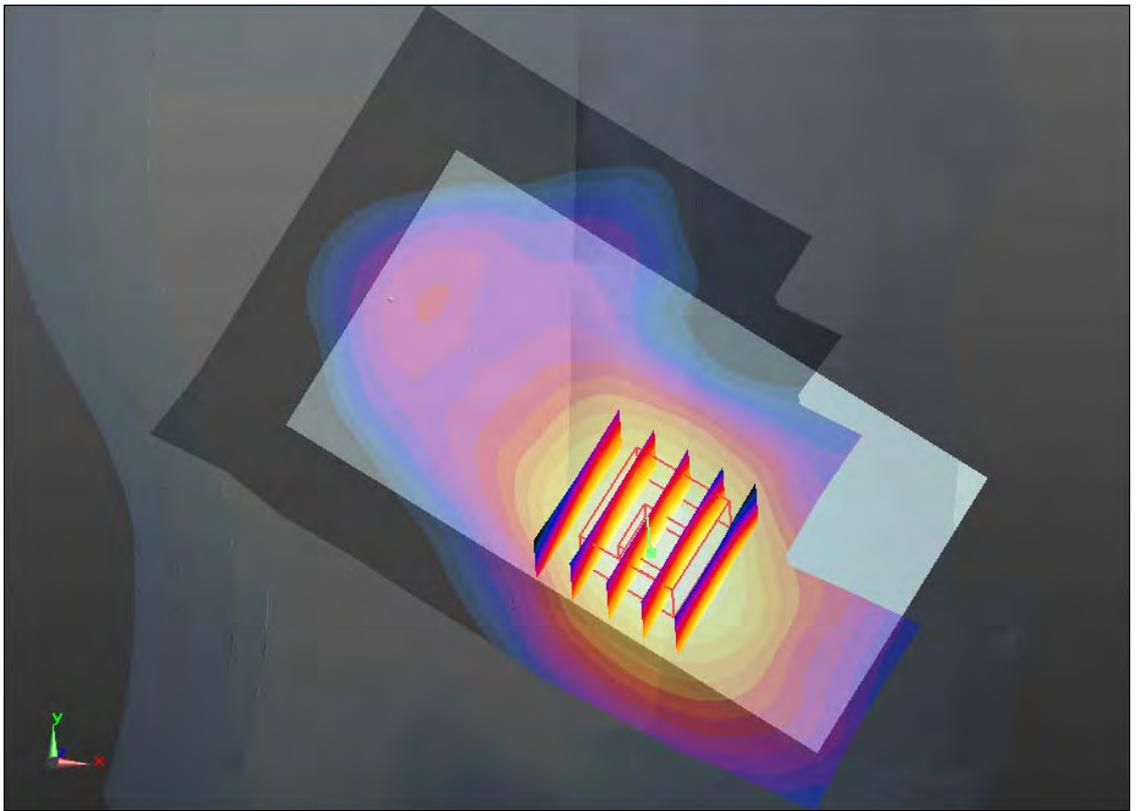
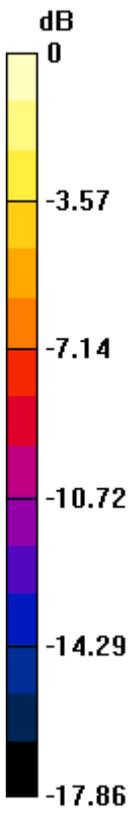
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.234 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.730 W/kg

SAR(1 g) = 1.150 mW/g; SAR(10 g) = 0.698 mW/g

Maximum value of SAR (measured) = 1.479 mW/g



0 dB = 1.480mW/g

#33 LTE Band 2_20M QPSK 1RB 0offset_Left Cheek_Ch18700_Repeat SAR

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL_1900_130227 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r =$

39.111 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.592 mW/g

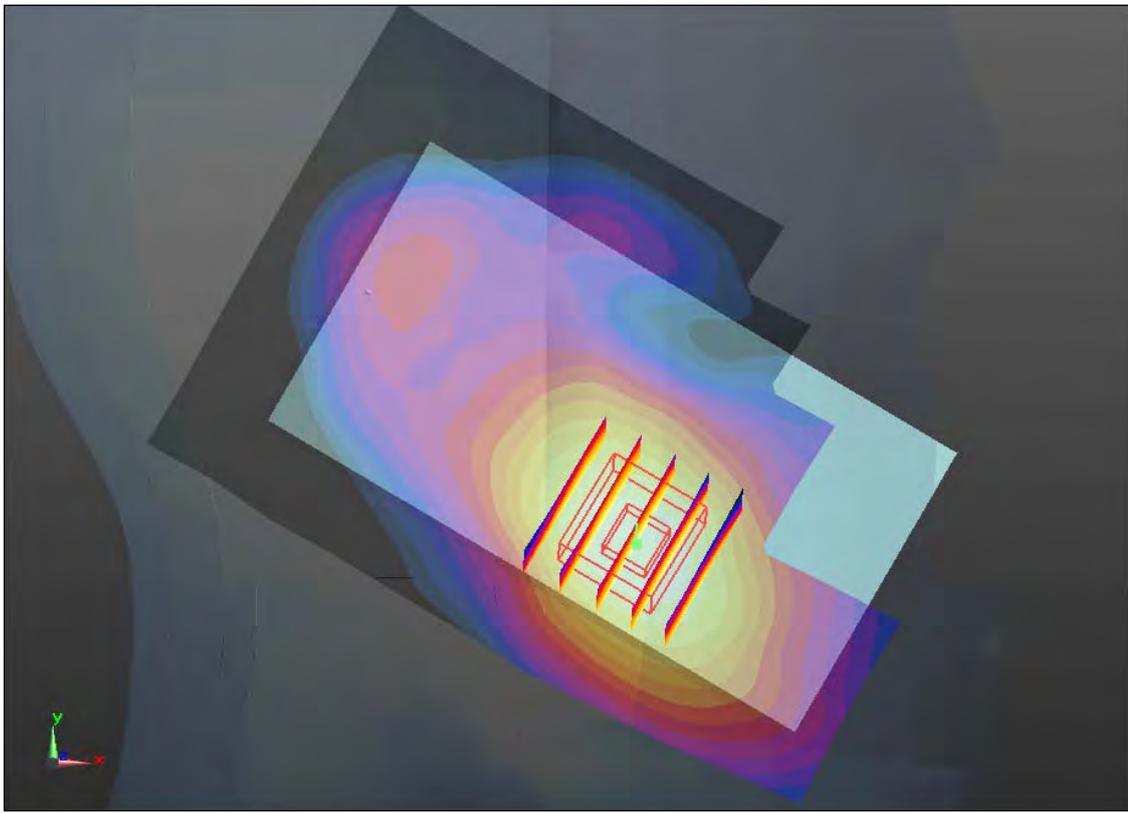
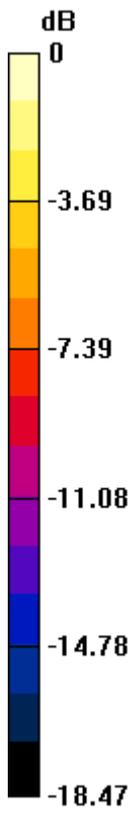
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.761 V/m; Power Drift = -0.0095 dB

Peak SAR (extrapolated) = 1.709 W/kg

SAR(1 g) = 1.150 mW/g; SAR(10 g) = 0.704 mW/g

Maximum value of SAR (measured) = 1.472 mW/g



0 dB = 1.470mW/g

#34 LTE Band 2_20M QPSK 1RB 0offset_Left Cheek_Ch19100

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.425$ mho/m; $\epsilon_r =$

38.956 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.462 mW/g

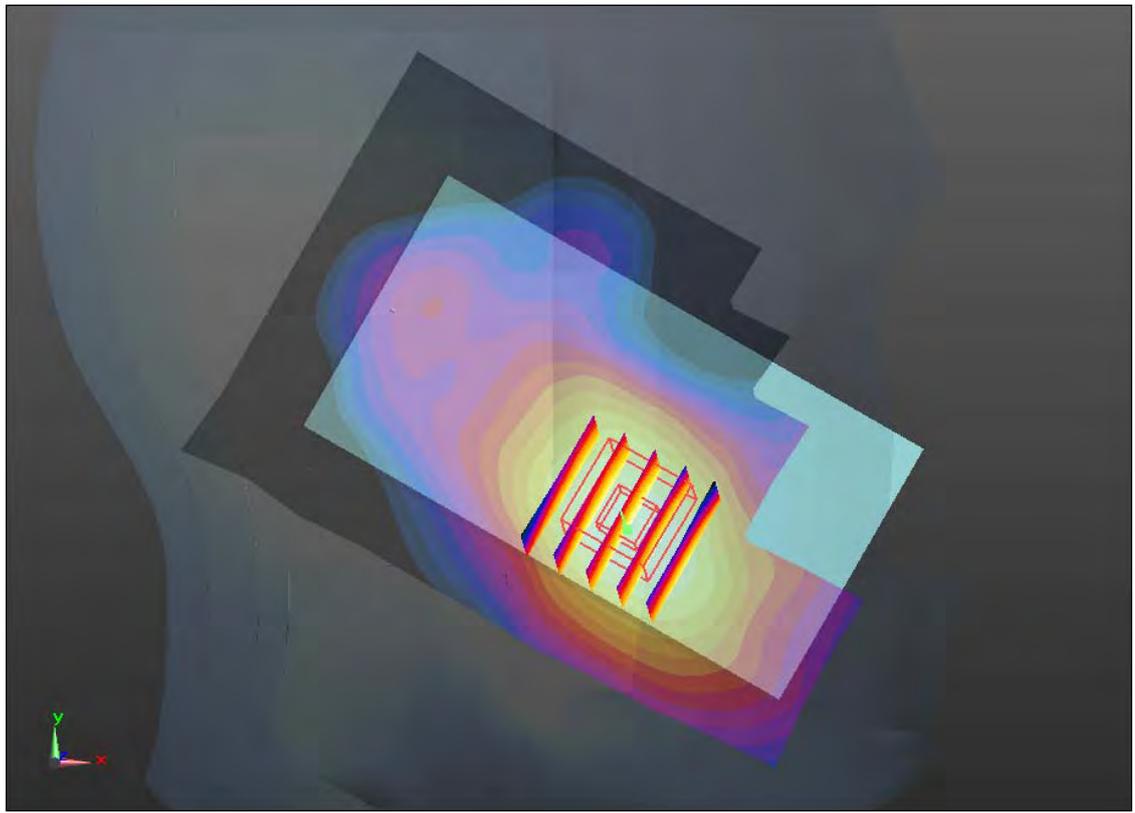
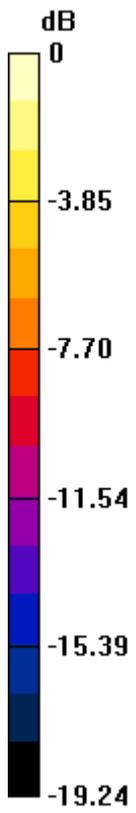
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.099 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.587 W/kg

SAR(1 g) = 1.040 mW/g; SAR(10 g) = 0.620 mW/g

Maximum value of SAR (measured) = 1.343 mW/g



0 dB = 1.340mW/g

#35 LTE Band 2_20M QPSK 50RB 0offset_Right Cheek_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.579 mW/g

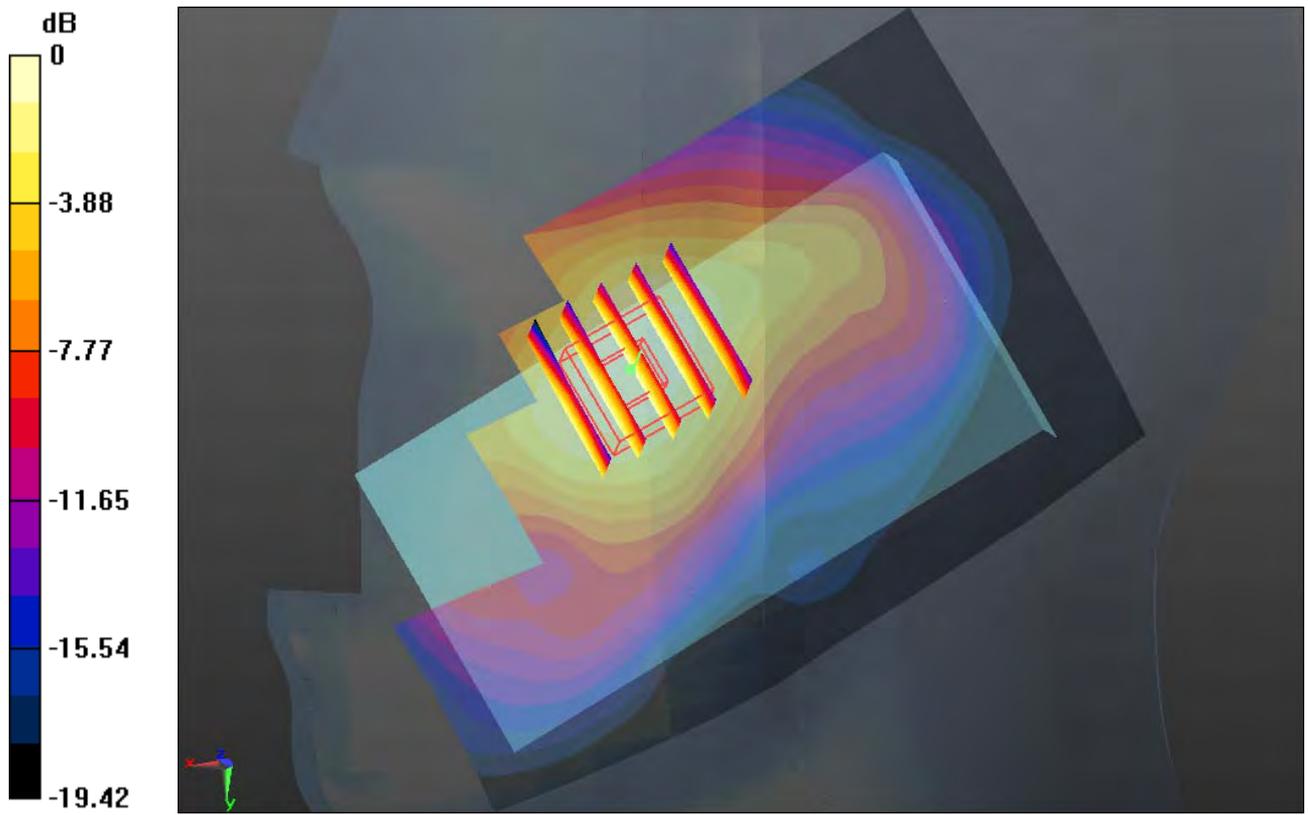
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.437 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.656 W/kg

SAR(1 g) = 0.456 mW/g; SAR(10 g) = 0.287 mW/g

Maximum value of SAR (measured) = 0.565 mW/g



0 dB = 0.570mW/g

#36 LTE Band 2_20M QPSK 50RB 0offset_Right Tilted_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.200 mW/g

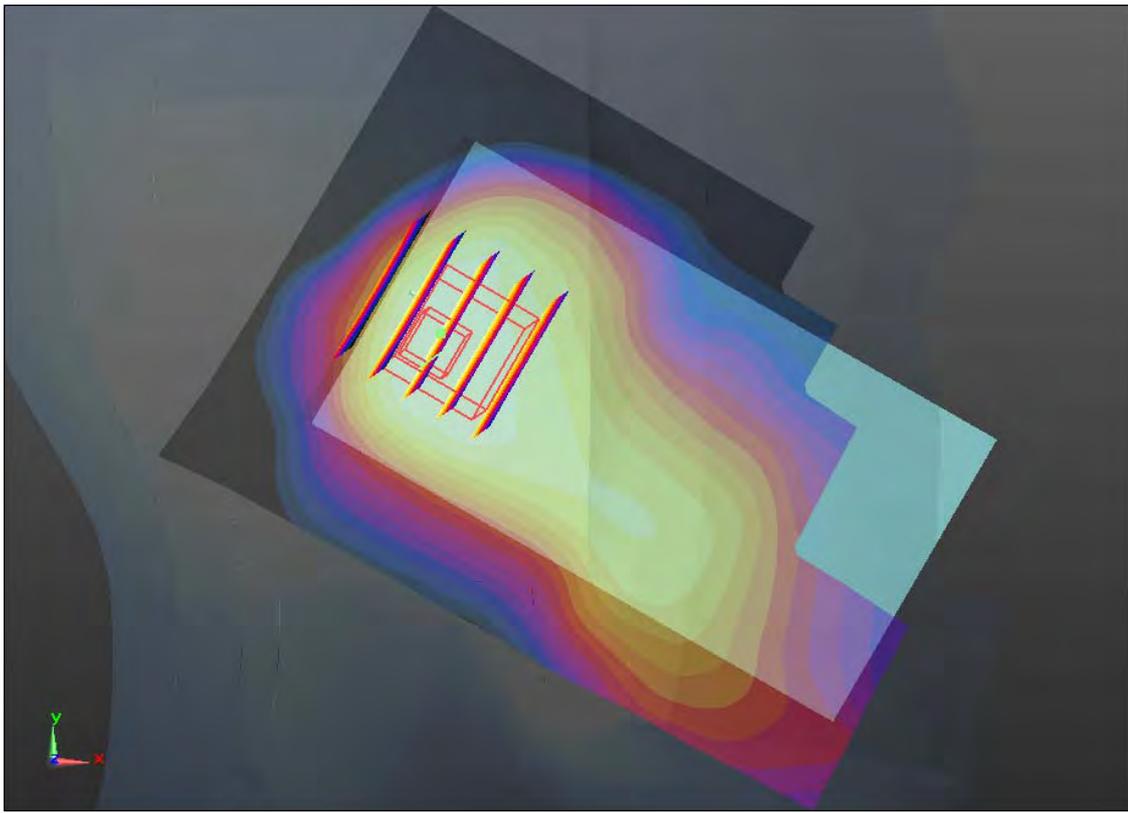
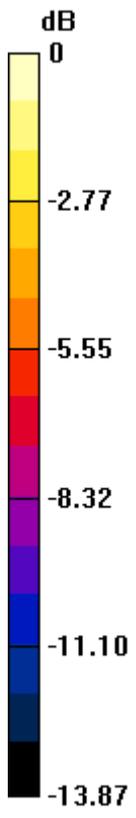
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.063 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.201 W/kg

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.171 mW/g



0 dB = 0.170mW/g

#37 LTE Band 2_20M QPSK 50RB 0offset_Left Cheek_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.117 mW/g

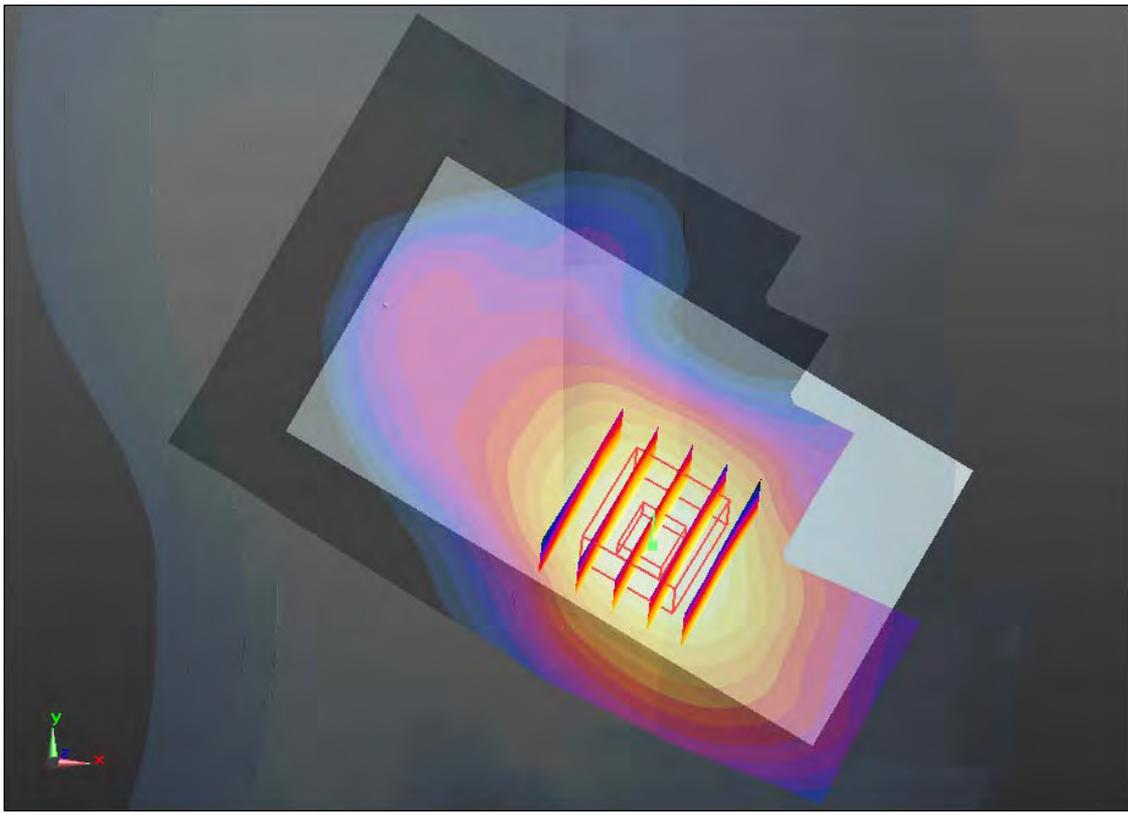
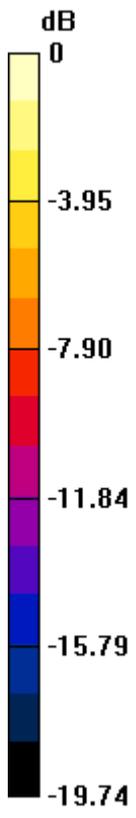
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.705 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.185 W/kg

SAR(1 g) = 0.783 mW/g; SAR(10 g) = 0.470 mW/g

Maximum value of SAR (measured) = 1.013 mW/g



0 dB = 1.010mW/g

#38 LTE Band 2_20M QPSK 50RB 0offset_Left Tilted_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.187 mW/g

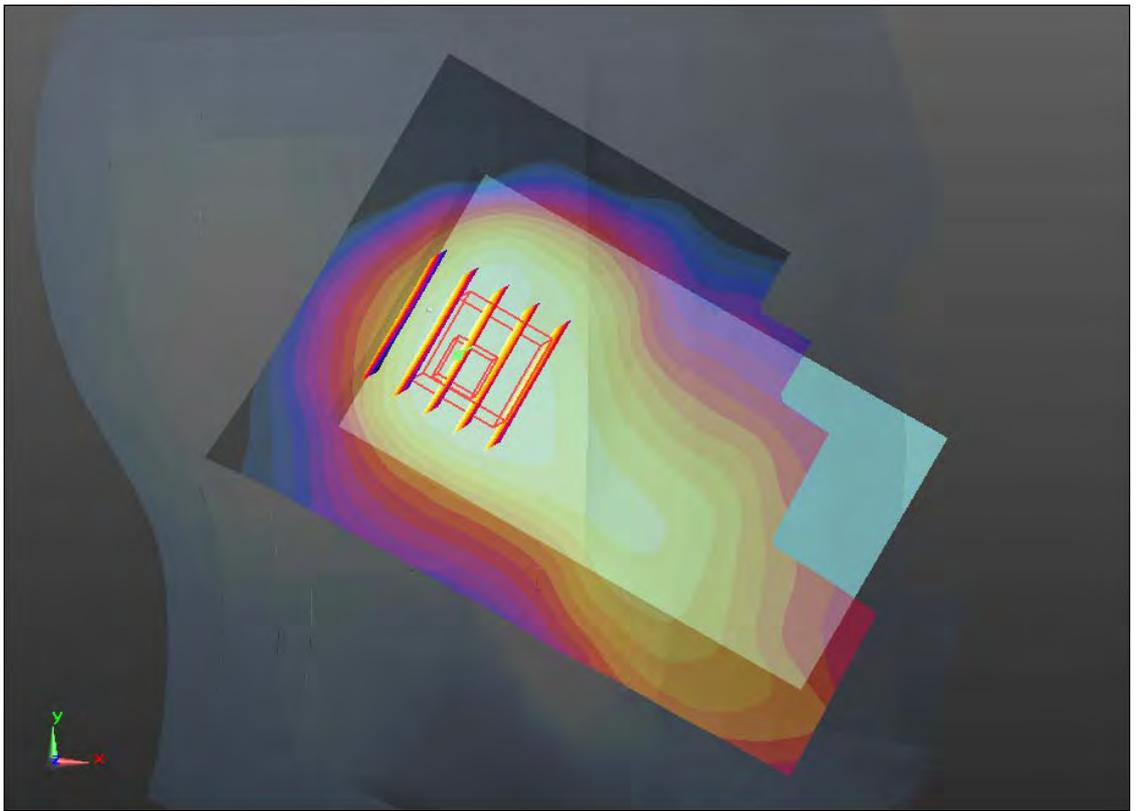
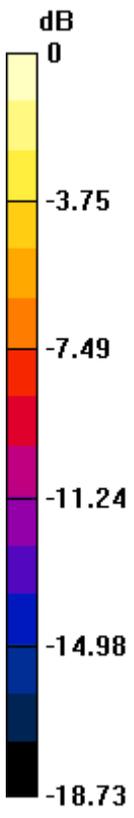
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.546 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.191 W/kg

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.162 mW/g



0 dB = 0.160mW/g

#39 LTE Band 2_20M QPSK 50RB 0offset_Left Cheek_Ch18700

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: HSL_1900_130227 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.384$ mho/m; $\epsilon_r =$

39.111 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.227 mW/g

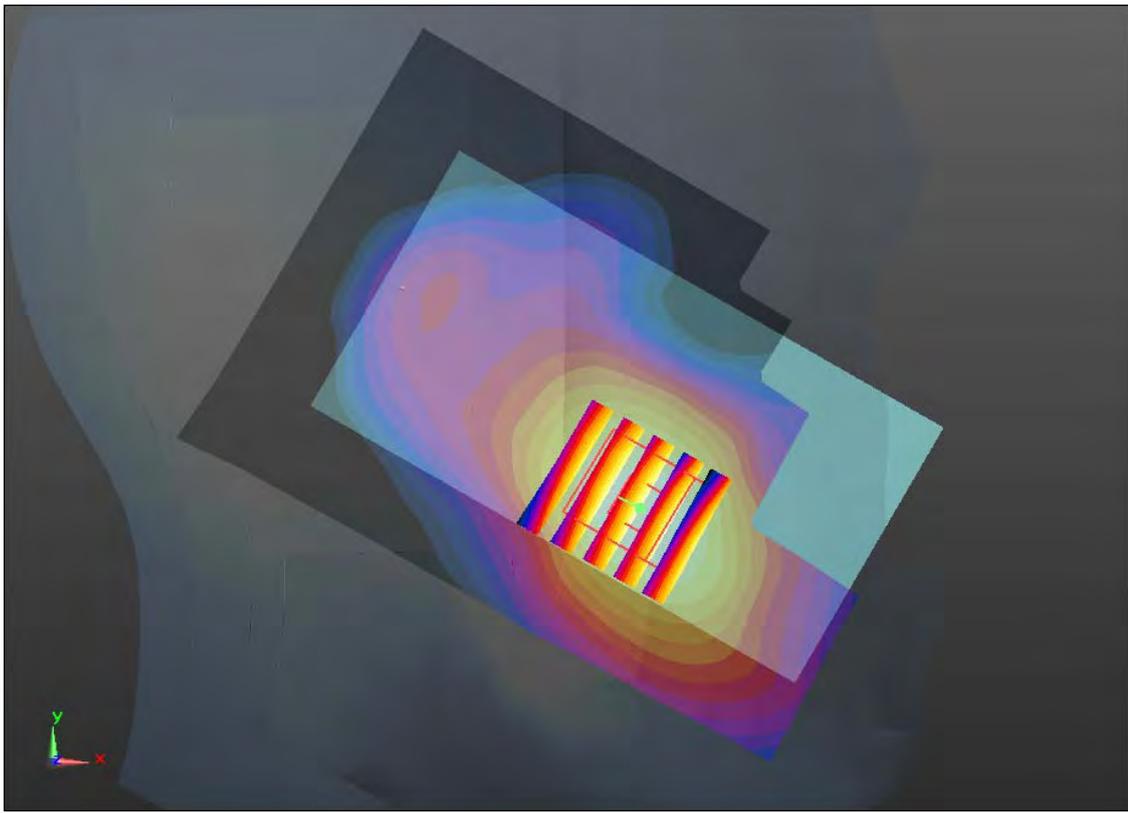
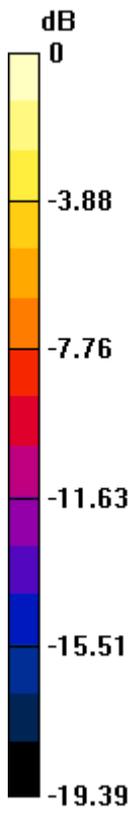
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.082 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.308 W/kg

SAR(1 g) = 0.873 mW/g; SAR(10 g) = 0.528 mW/g

Maximum value of SAR (measured) = 1.119 mW/g



0 dB = 1.120mW/g

#40 LTE Band 2_20M QPSK 50RB 0offset_Left Cheek_Ch19100

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.425$ mho/m; $\epsilon_r =$

38.956 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.063 mW/g

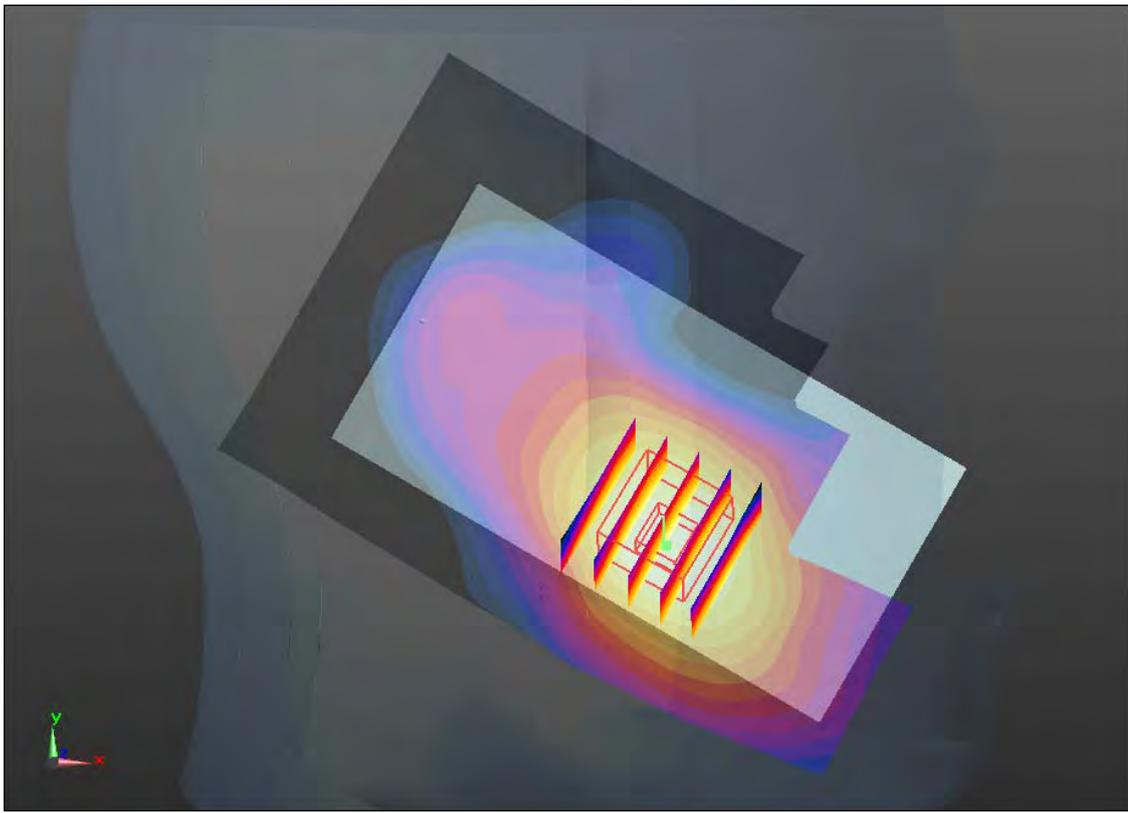
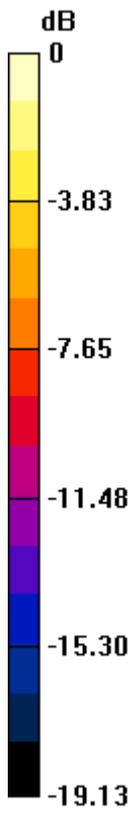
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.562 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.154 W/kg

SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.448 mW/g

Maximum value of SAR (measured) = 0.980 mW/g



0 dB = 0.980mW/g

#41 LTE Band 2_20M QPSK 100RB 0offset_Right Cheek_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.585 mW/g

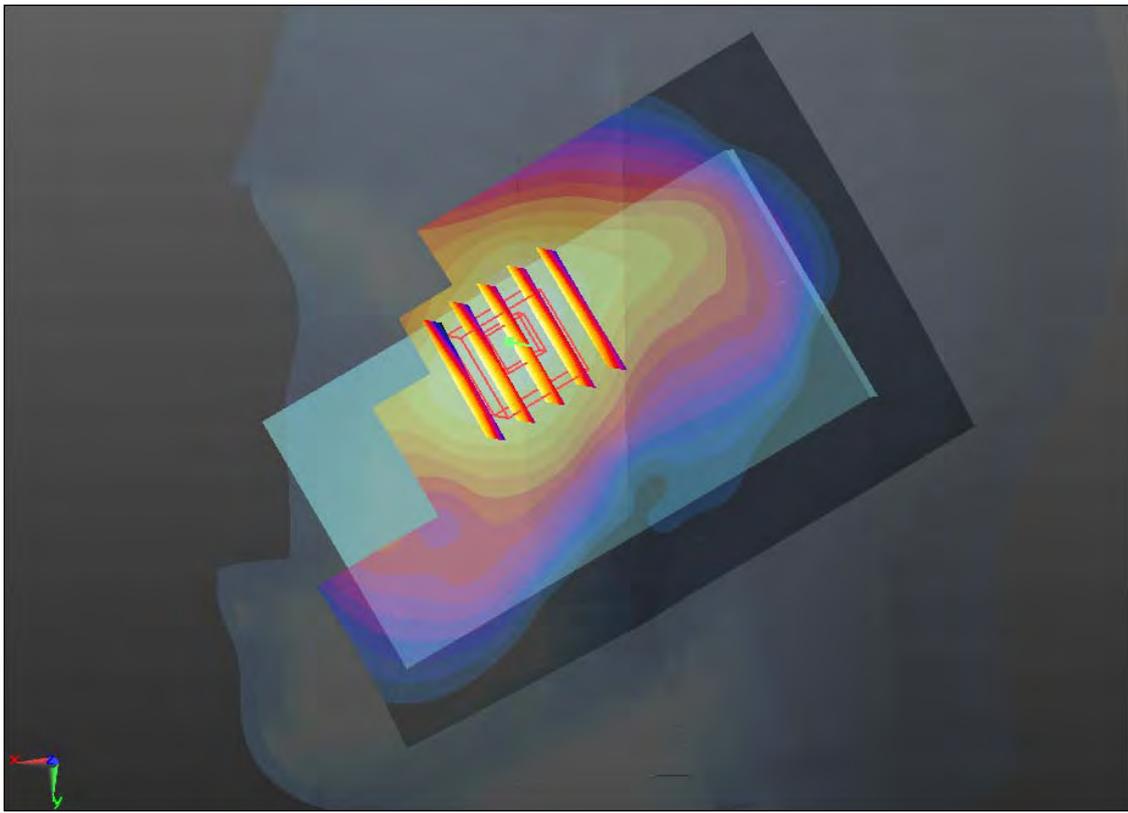
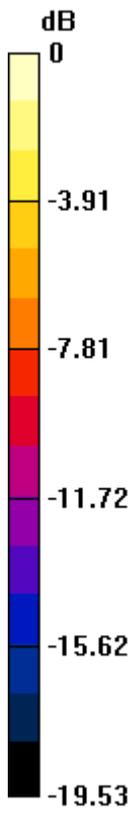
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.039 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.659 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.288 mW/g

Maximum value of SAR (measured) = 0.568 mW/g



0 dB = 0.570mW/g

#42 LTE Band 2_20M QPSK 100RB 0offset_Right Tilted_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.310 mW/g

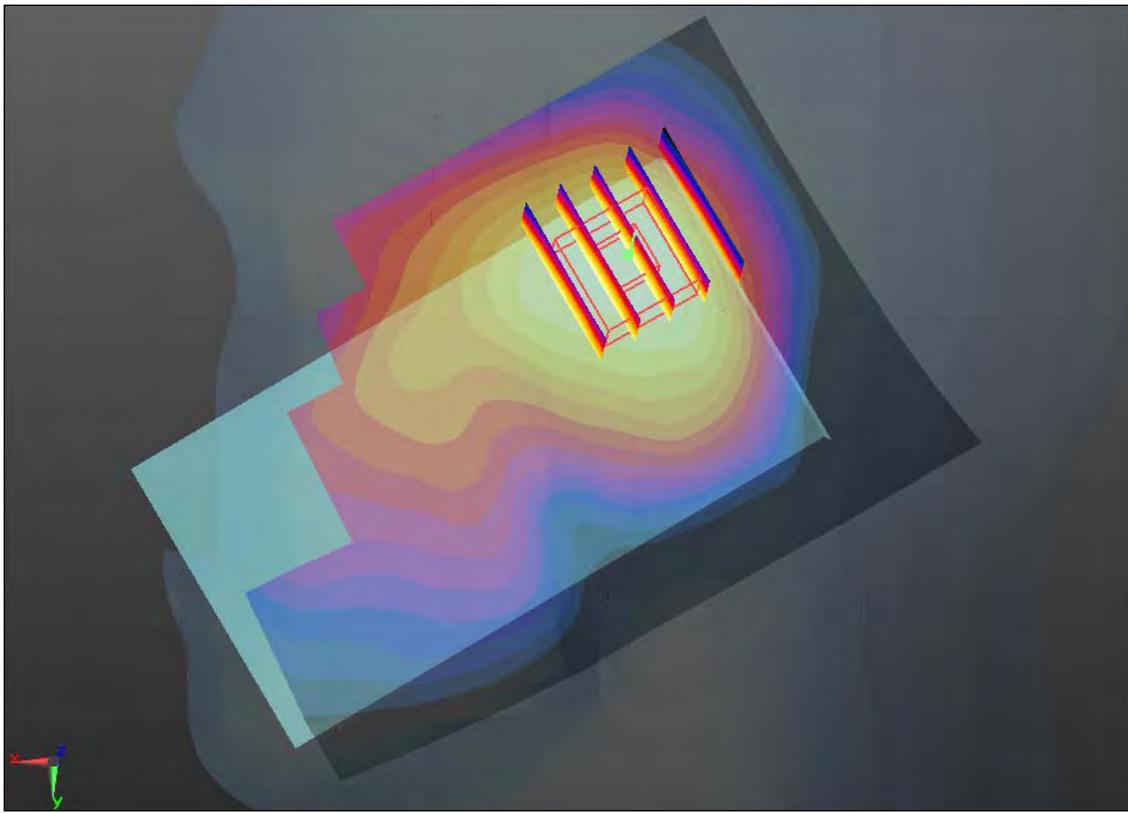
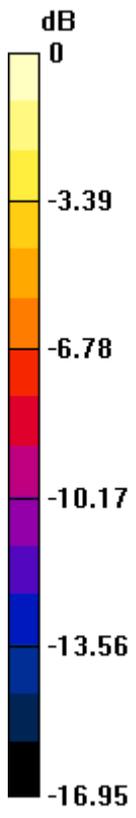
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.802 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.306 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.131 mW/g

Maximum value of SAR (measured) = 0.257 mW/g



0 dB = 0.260mW/g

#43 LTE Band 2_20M QPSK 100RB 0offset_Left Cheek_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.191 mW/g

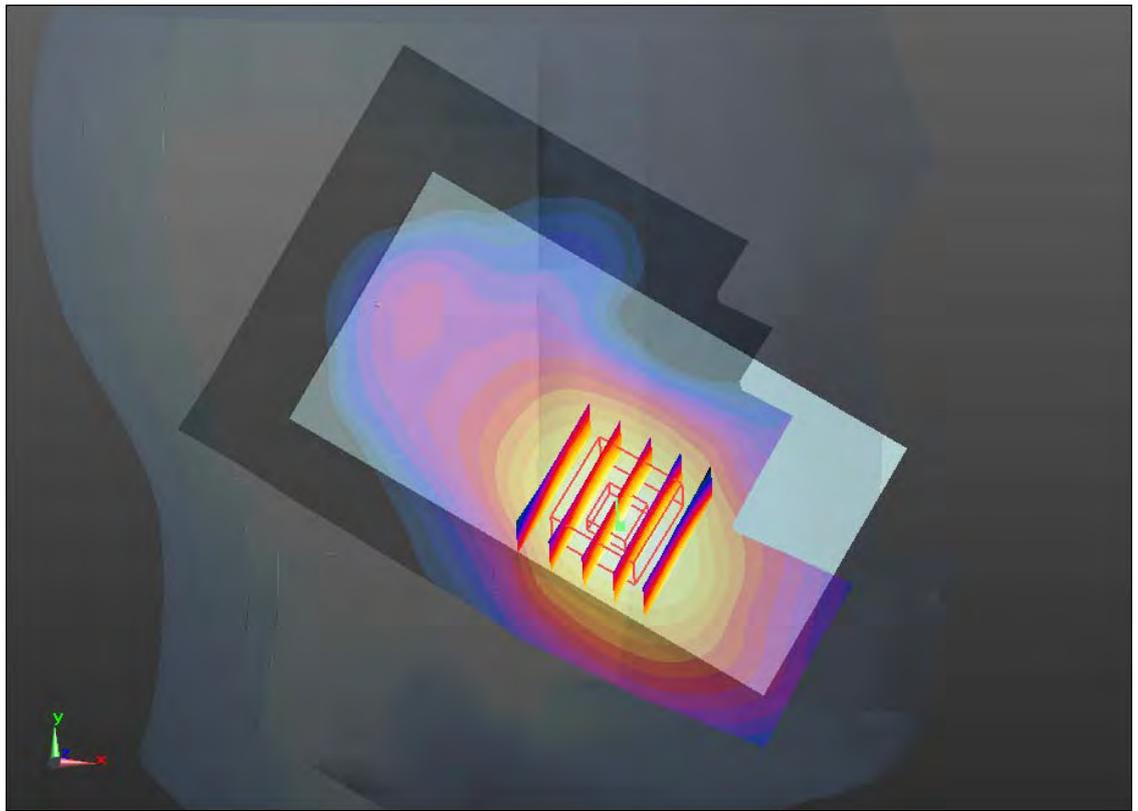
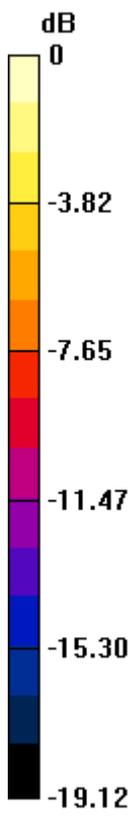
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.763 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.285 W/kg

SAR(1 g) = 0.848 mW/g; SAR(10 g) = 0.508 mW/g

Maximum value of SAR (measured) = 1.097 mW/g



0 dB = 1.100mW/g

#44 LTE Band 2_20M QPSK 100RB 0offset_Left Tilted_Ch18900

DUT: 312303

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

Medium: HSL_1900_130227 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.404$ mho/m; $\epsilon_r =$

39.043; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.200 mW/g

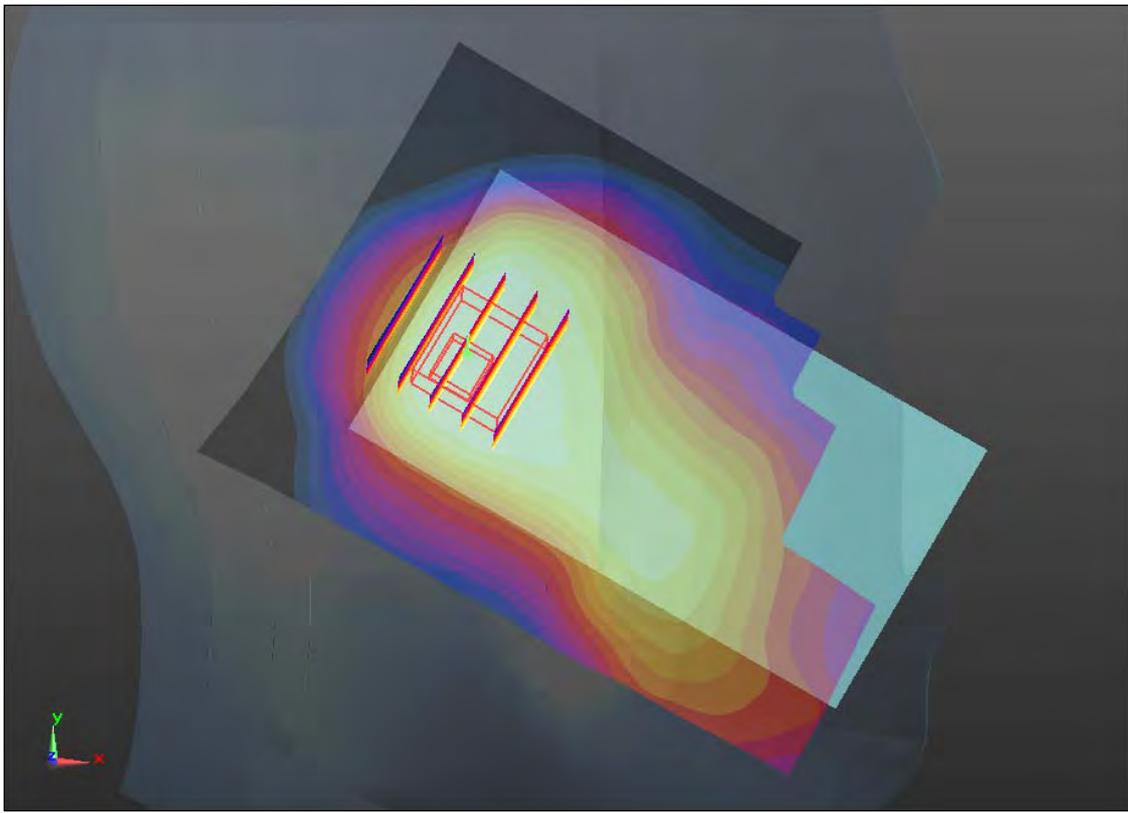
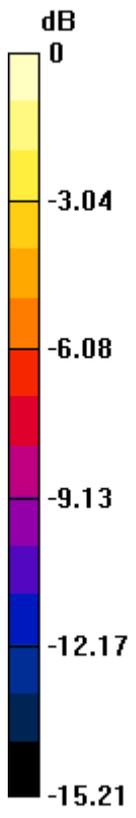
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.763 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.088 mW/g

Maximum value of SAR (measured) = 0.165 mW/g



0 dB = 0.160mW/g

#45 LTE Band 4_20M QPSK 1RB 0offset_Right Cheek_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.748 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.070 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.851 W/kg

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.362 mW/g

Maximum value of SAR (measured) = 0.725 mW/g

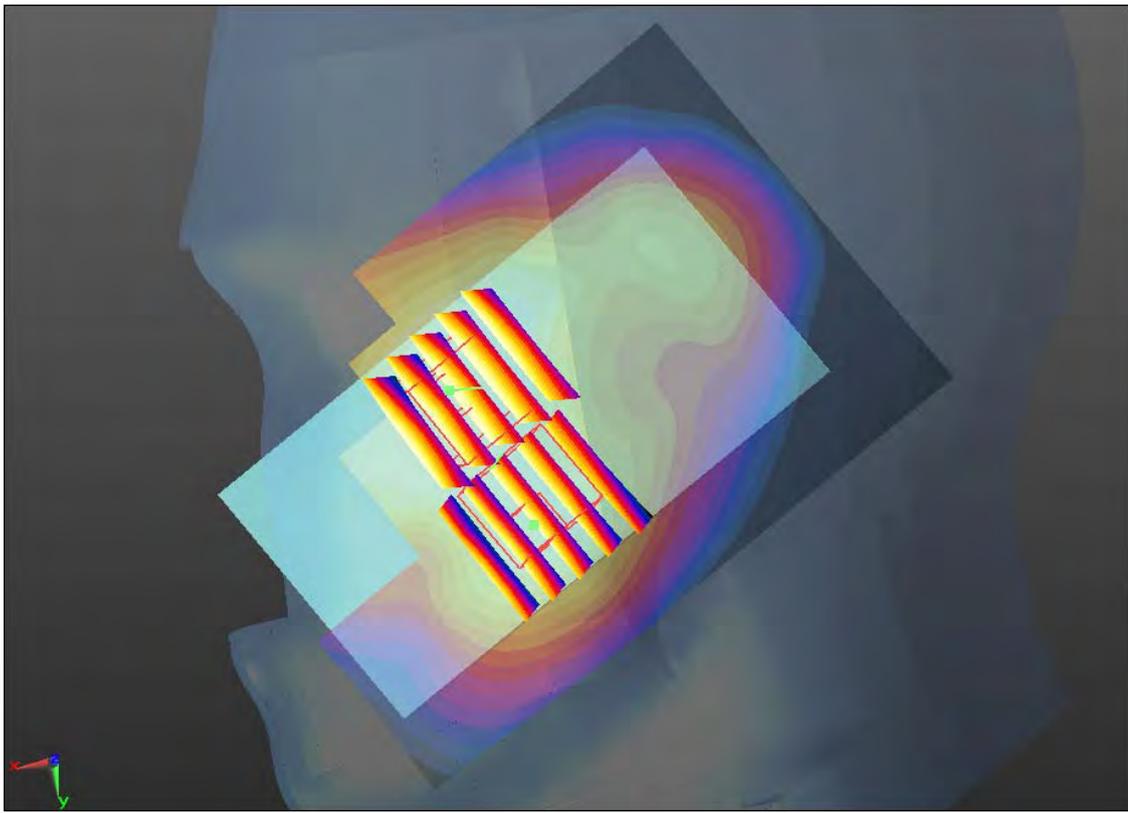
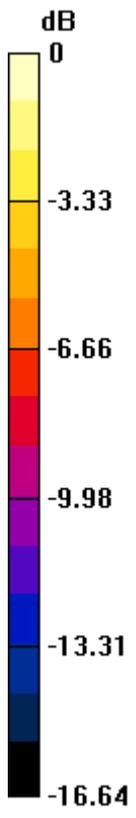
Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.070 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.578 W/kg

SAR(1 g) = 0.382 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.492 mW/g



0 dB = 0.490mW/g

#46 LTE Band 4_20M QPSK 1RB 0offset_Right Tilted_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.541 mW/g

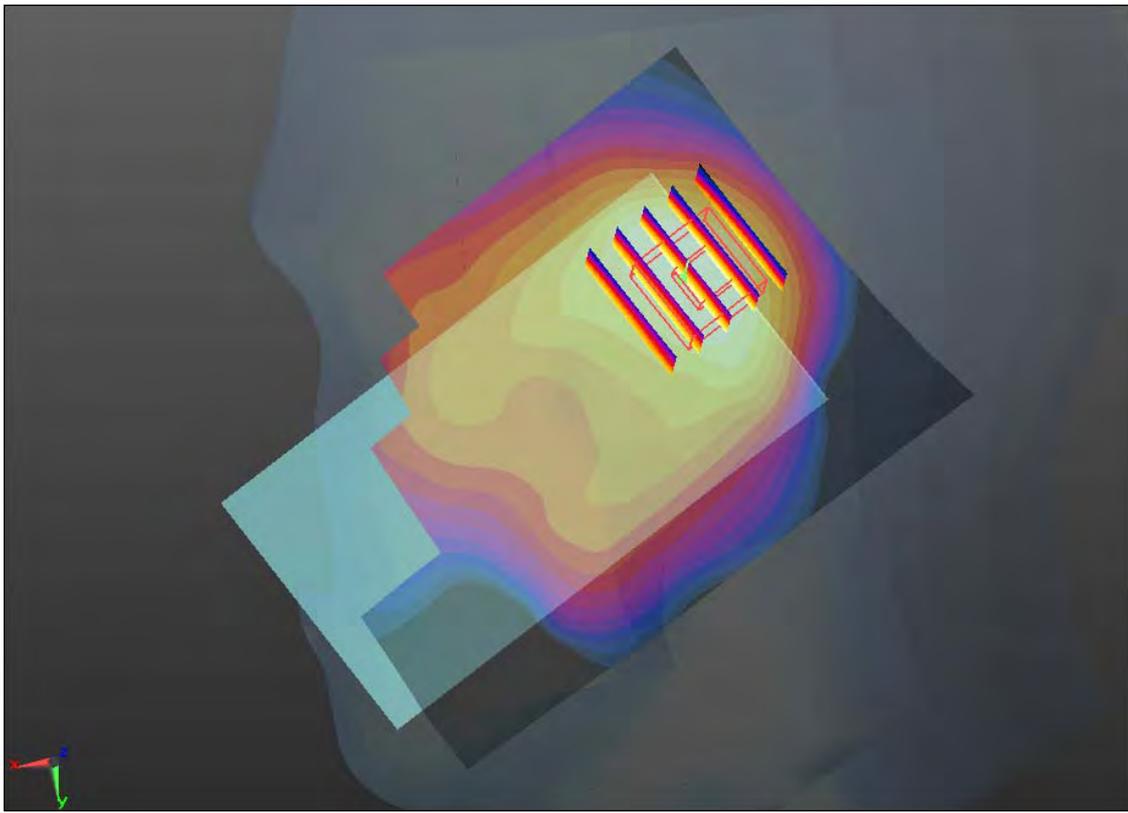
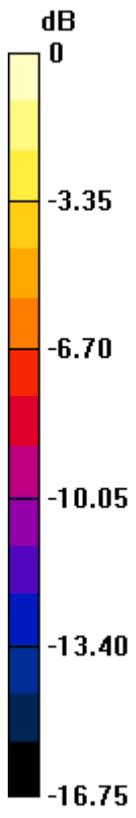
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.295 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.599 W/kg

SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.454 mW/g



0 dB = 0.450mW/g

#47 LTE Band 4_20M QPSK 1RB 0offset_Left Cheek_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.758 mW/g

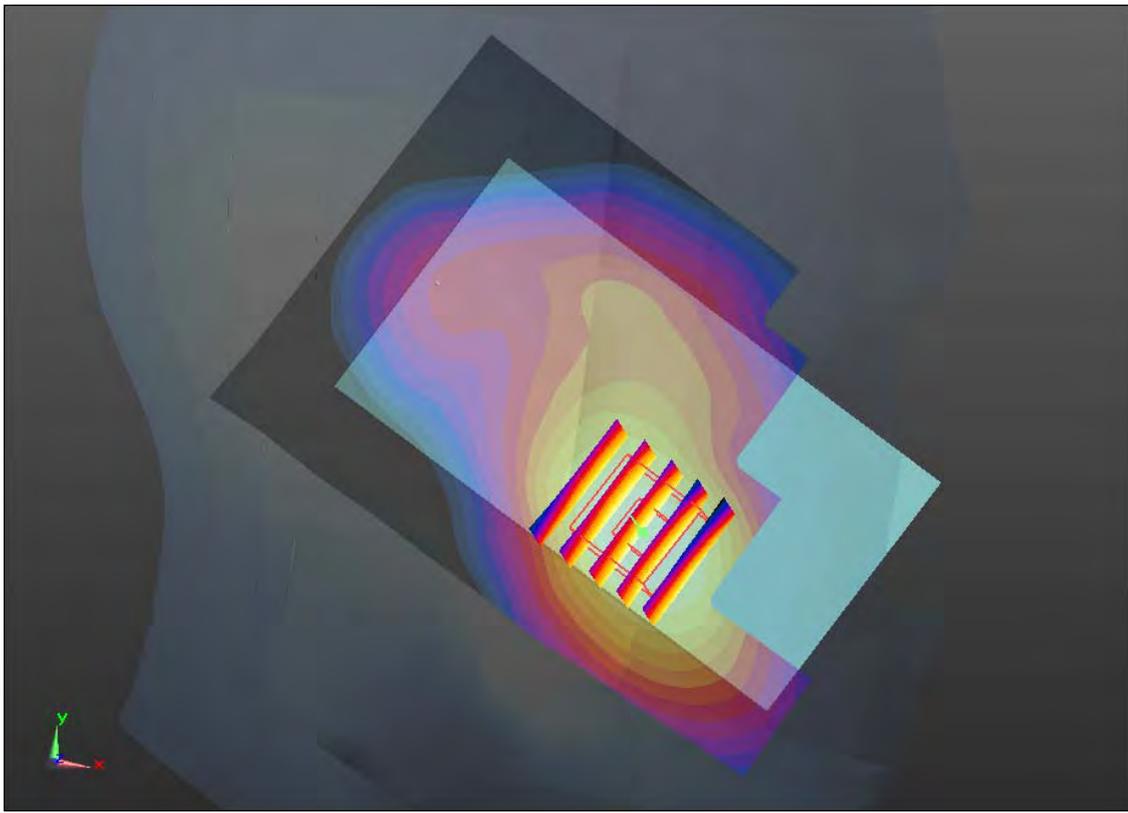
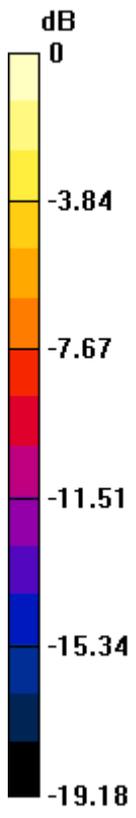
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.041 V/m; Power Drift = -0.034 dB

Peak SAR (extrapolated) = 1.901 W/kg

SAR(1 g) = 1.240 mW/g; SAR(10 g) = 0.729 mW/g

Maximum value of SAR (measured) = 1.598 mW/g



0 dB = 1.600mW/g

#48 LTE Band 4_20M QPSK 1RB 0offset_Left Cheek_Ch20175_Repeat SAR

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.597 mW/g

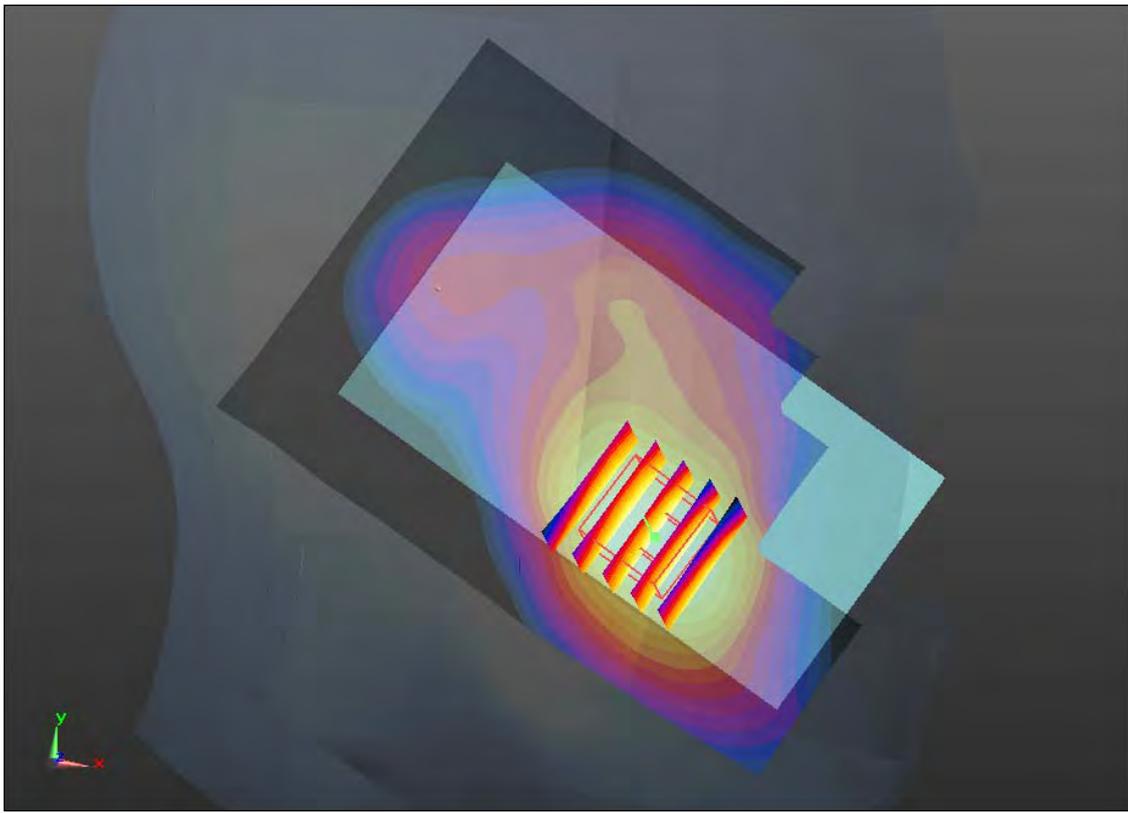
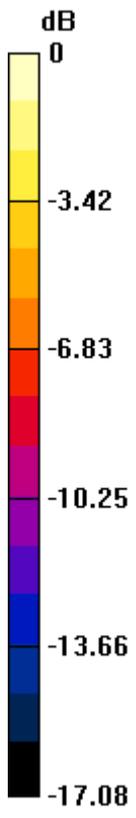
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.939 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.667 W/kg

SAR(1 g) = 1.180 mW/g; SAR(10 g) = 0.740 mW/g

Maximum value of SAR (measured) = 1.453 mW/g



0 dB = 1.450mW/g

#49 LTE Band 4_20M QPSK 1RB 0offset_Left Tilted_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.449 mW/g

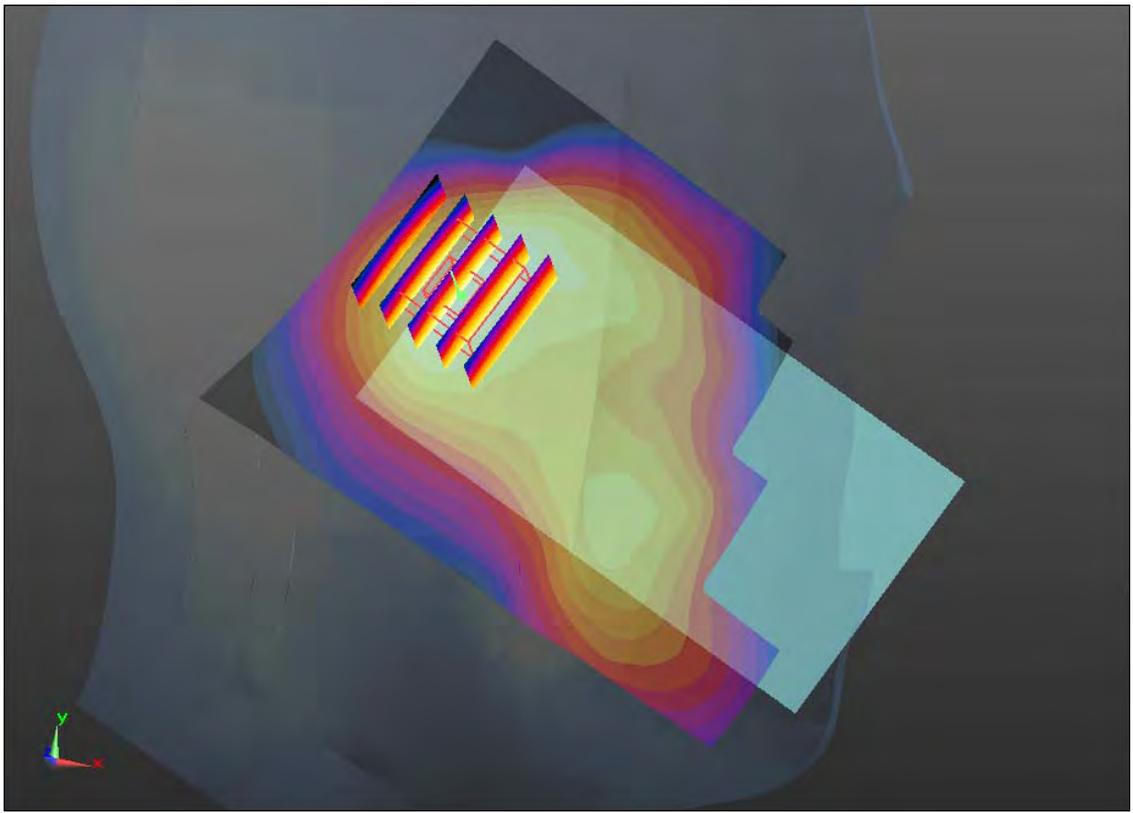
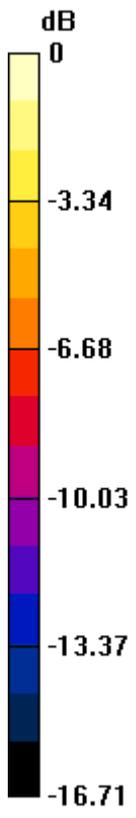
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.881 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.526 W/kg

SAR(1 g) = 0.328 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.430 mW/g



0 dB = 0.430mW/g

#50 LTE Band 4_20M QPSK 1RB 0offset_Left Cheek_Ch20050

DUT: 312303

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.348$ mho/m; $\epsilon_r =$

41.477; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.592 mW/g

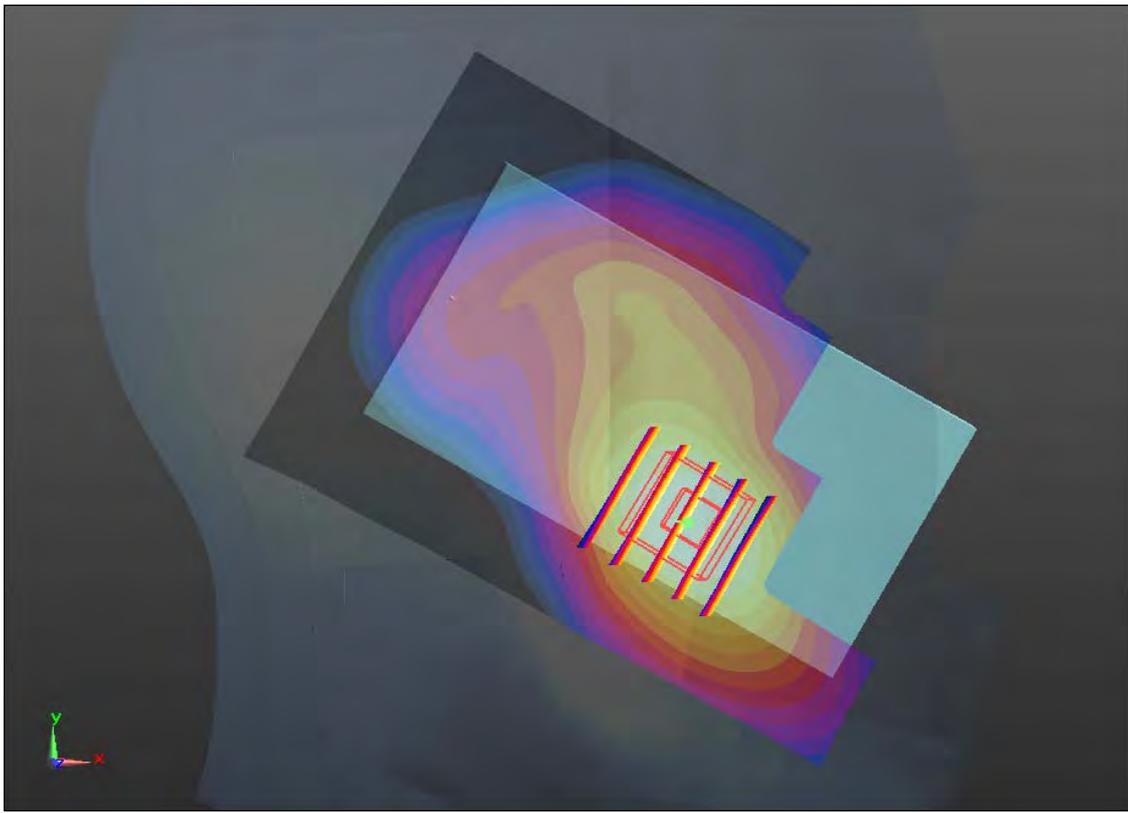
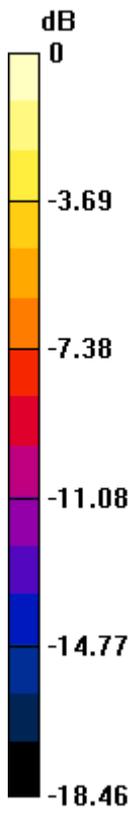
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.984 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.687 W/kg

SAR(1 g) = 1.100 mW/g; SAR(10 g) = 0.650 mW/g

Maximum value of SAR (measured) = 1.413 mW/g



0 dB = 1.410mW/g

#51 LTE Band 4_20M QPSK 1RB 0offset_Left Cheek_Ch20300

DUT: 312303

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.375$ mho/m; $\epsilon_r =$

41.35; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.612 mW/g

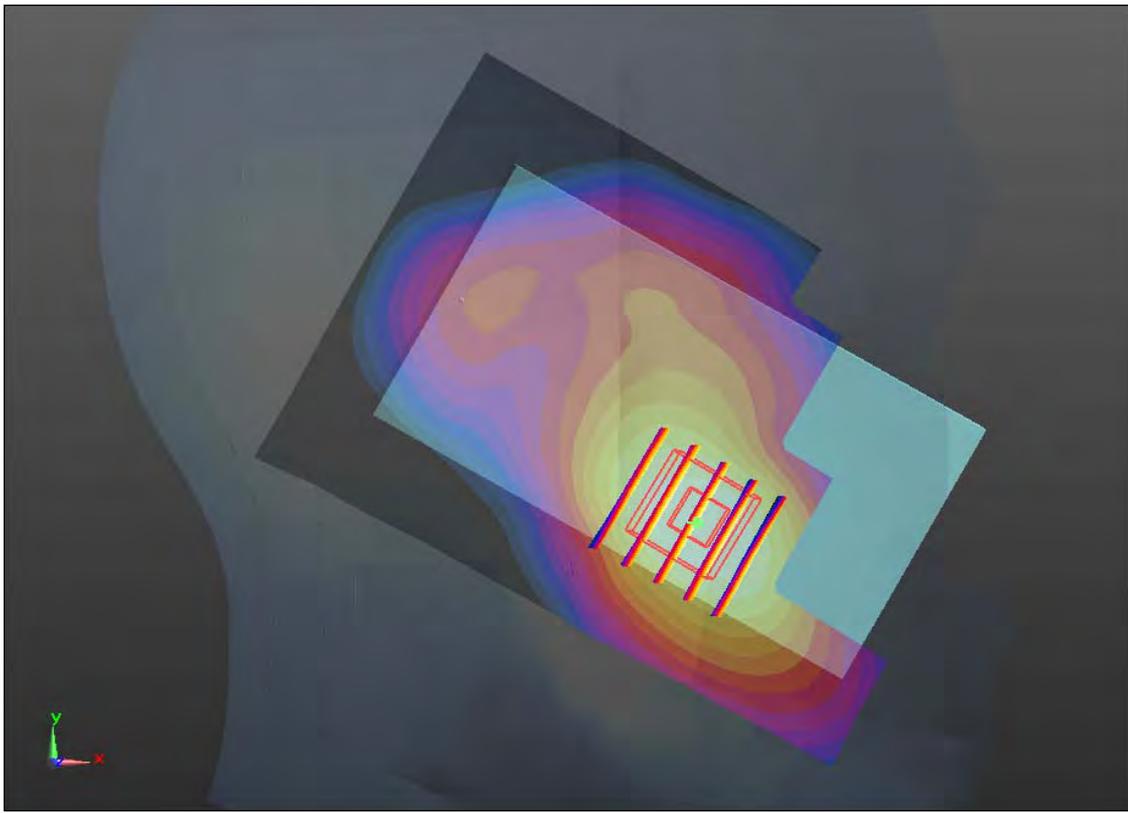
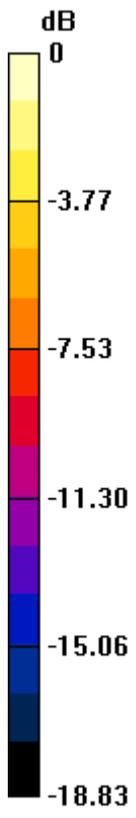
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.383 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.704 W/kg

SAR(1 g) = 1.090 mW/g; SAR(10 g) = 0.635 mW/g

Maximum value of SAR (measured) = 1.420 mW/g



0 dB = 1.420mW/g

#52 LTE Band 4_20M QPSK 50RB 0offset_Right Cheek_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.524 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.751 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.609 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.508 mW/g

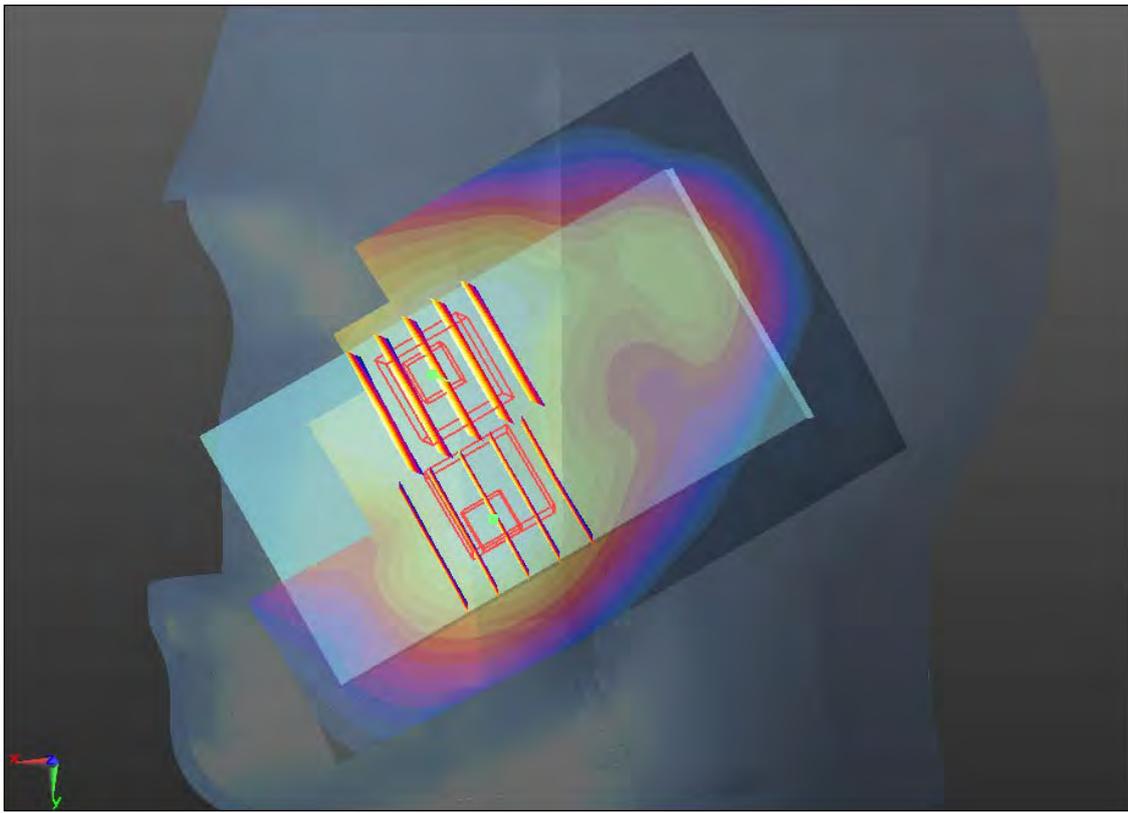
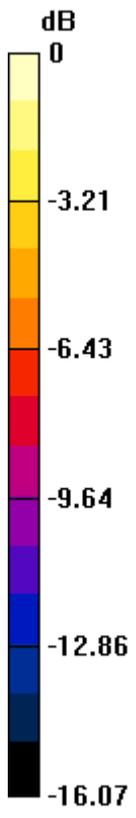
Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.751 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.415 W/kg

SAR(1 g) = 0.272 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.345 mW/g



0 dB = 0.350mW/g

#53 LTE Band 4_20M QPSK 50RB 0offset_Right Tilted_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.394 mW/g

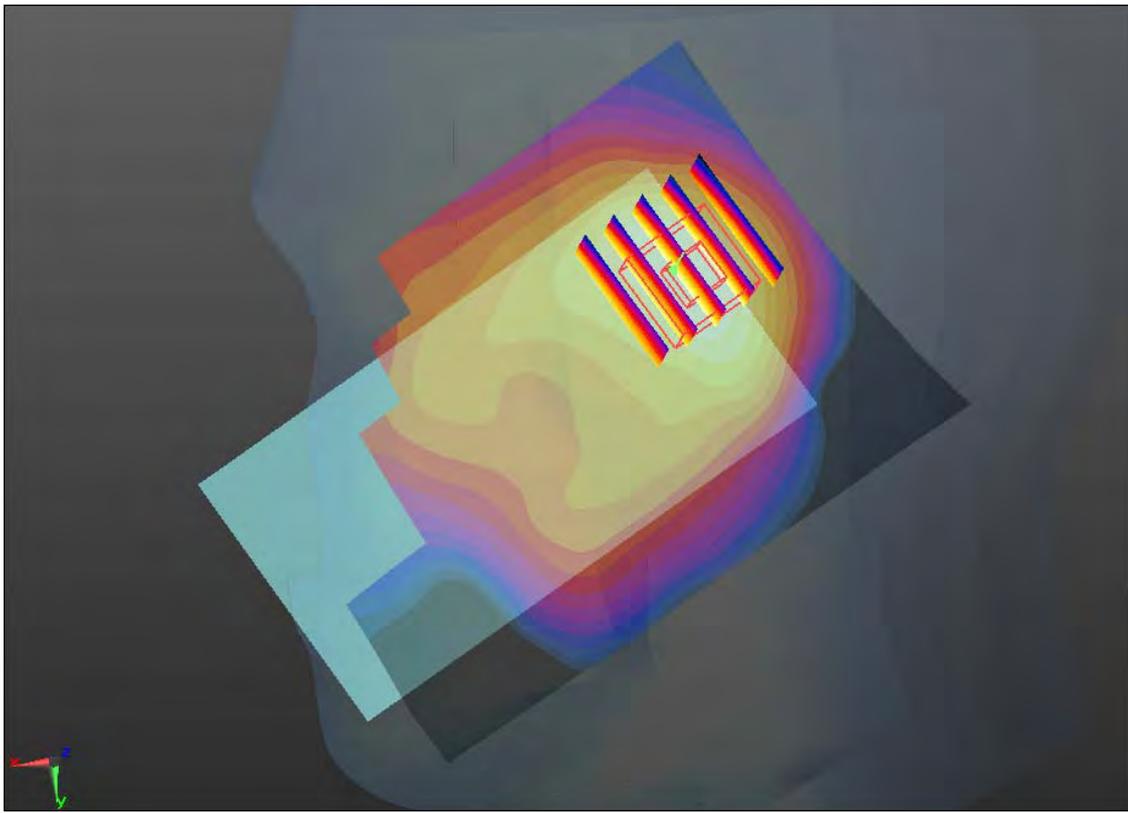
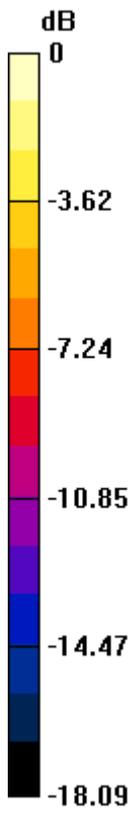
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.725 V/m; Power Drift = -0.1 dB

Peak SAR (extrapolated) = 0.454 W/kg

SAR(1 g) = 0.276 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 0.348 mW/g



0 dB = 0.350mW/g

#54 LTE Band 4_20M QPSK 50RB 0offset_Left Cheek_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.280 mW/g

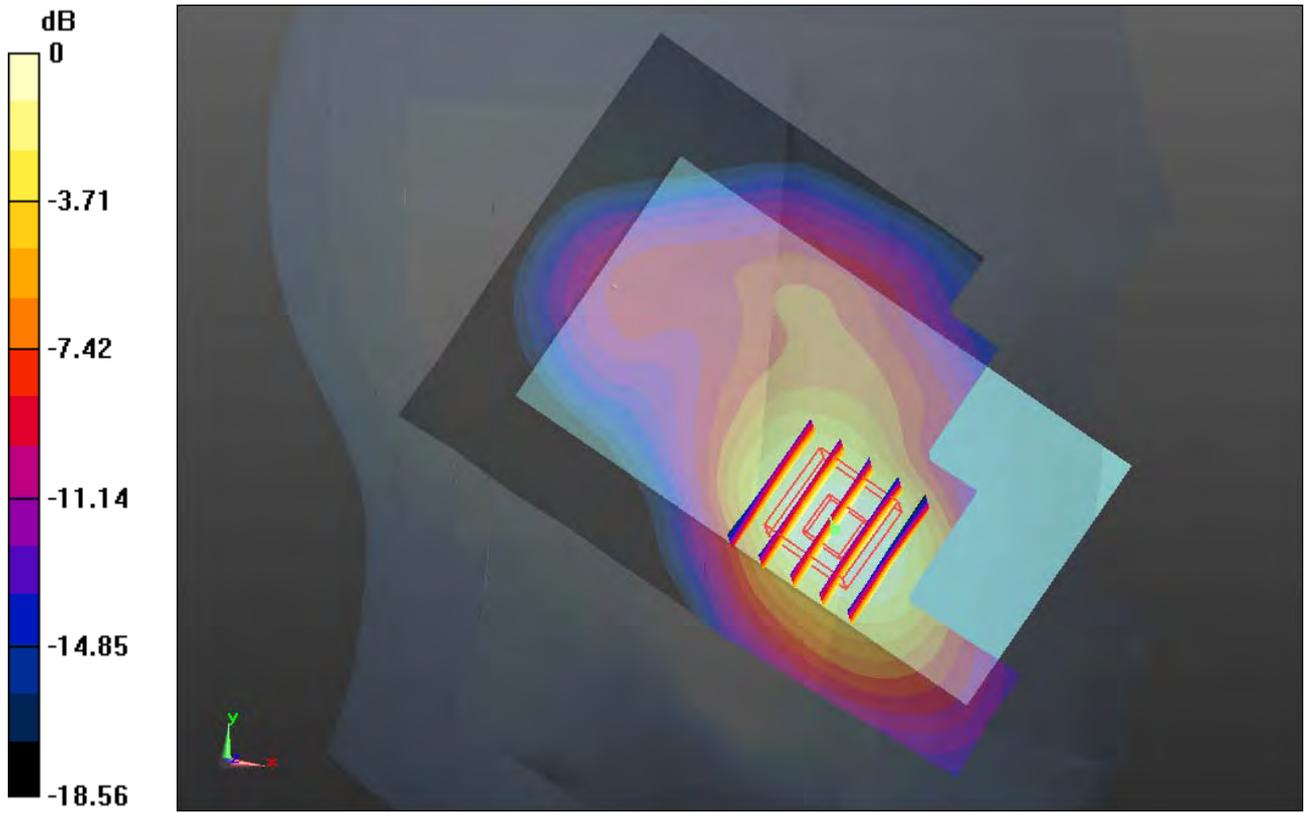
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.585 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.378 W/kg

SAR(1 g) = 0.885 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 1.151 mW/g



0 dB = 1.150mW/g

#55 LTE Band 4_20M QPSK 50RB 0offset_Left Tilted_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.316 mW/g

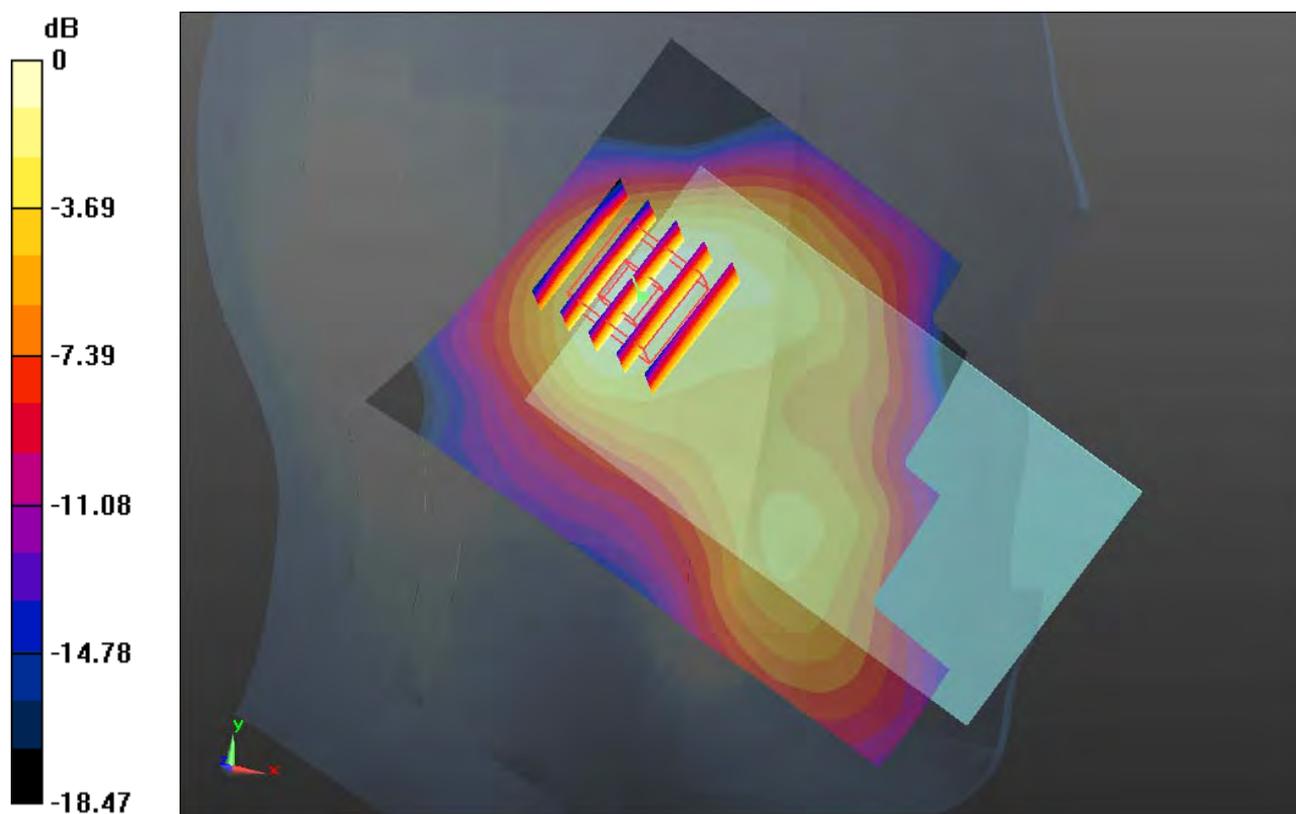
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.144 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.383 W/kg

SAR(1 g) = 0.235 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.309 mW/g



0 dB = 0.310mW/g

#56 LTE Band 4_20M QPSK 50RB 0offset_Left Cheek_Ch20050

DUT: 312303

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.348$ mho/m; $\epsilon_r =$

41.477; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.222 mW/g

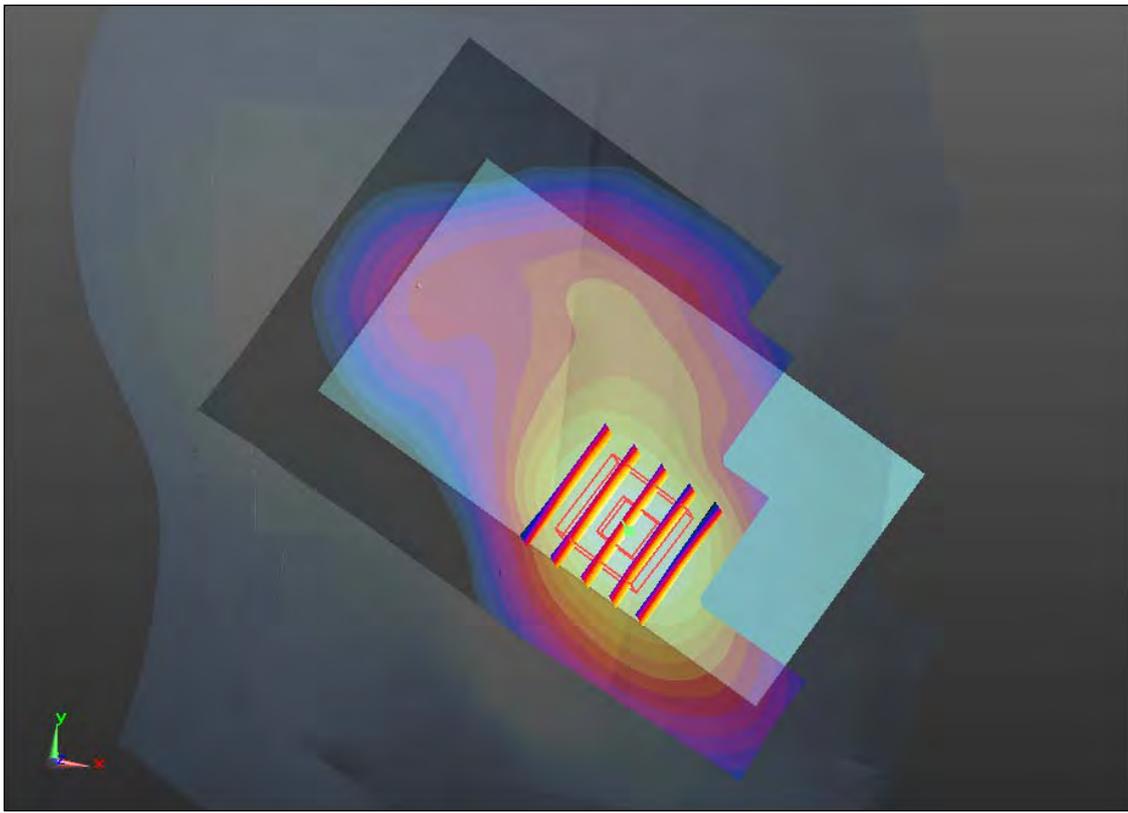
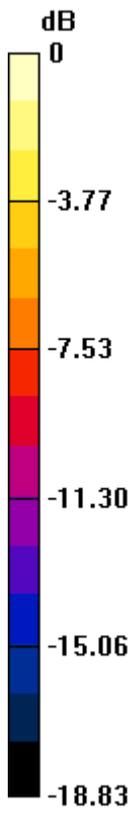
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.690 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.361 W/kg

SAR(1 g) = 0.876 mW/g; SAR(10 g) = 0.516 mW/g

Maximum value of SAR (measured) = 1.138 mW/g



0 dB = 1.140mW/g

#57 LTE Band 4_20M QPSK 50RB 0offset_Left Cheek_Ch20300

DUT: 312303

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.375$ mho/m; $\epsilon_r =$

41.35; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.185 mW/g

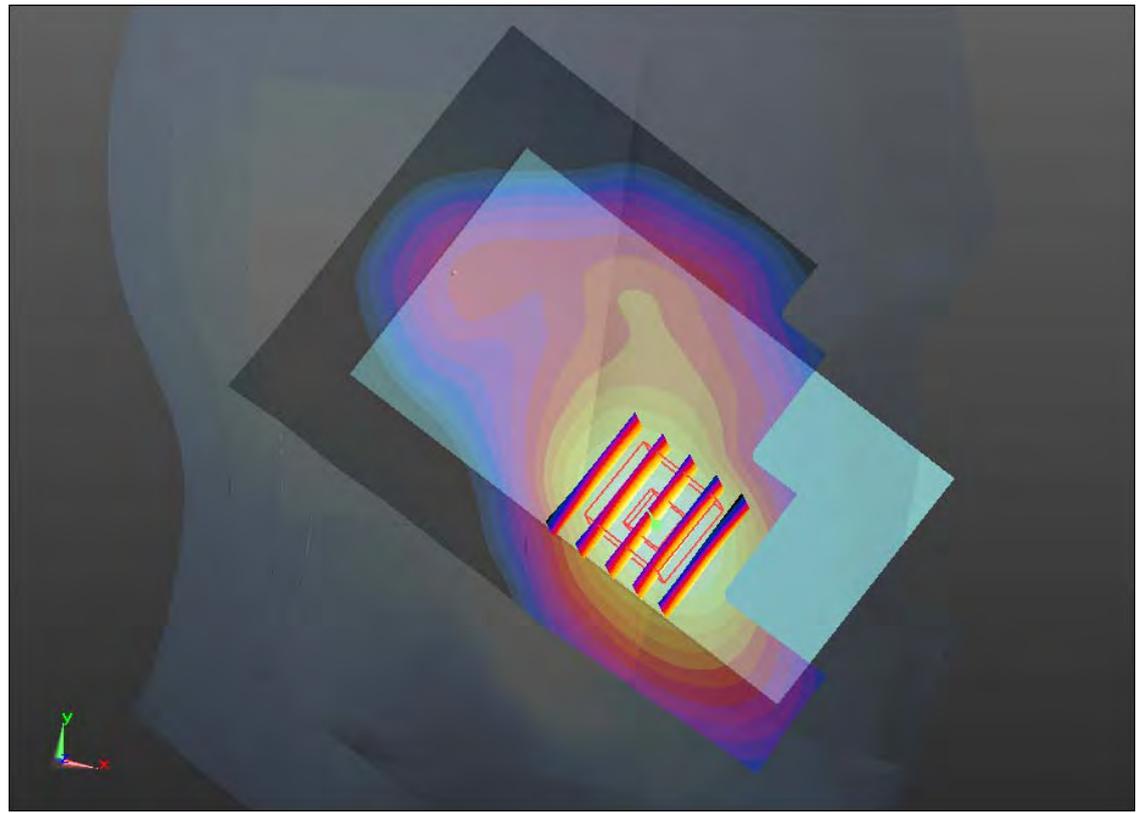
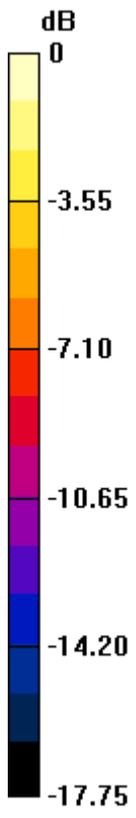
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.562 V/m; Power Drift = 0.0011 dB

Peak SAR (extrapolated) = 1.252 W/kg

SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.472 mW/g

Maximum value of SAR (measured) = 1.047 mW/g



0 dB = 1.050mW/g

#58 LTE Band 4_20M QPSK 100RB 0offset_Right Cheek_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3°C; Liquid Temperature : 21.3°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.968 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.259 mW/g

Maximum value of SAR (measured) = 0.502 mW/g

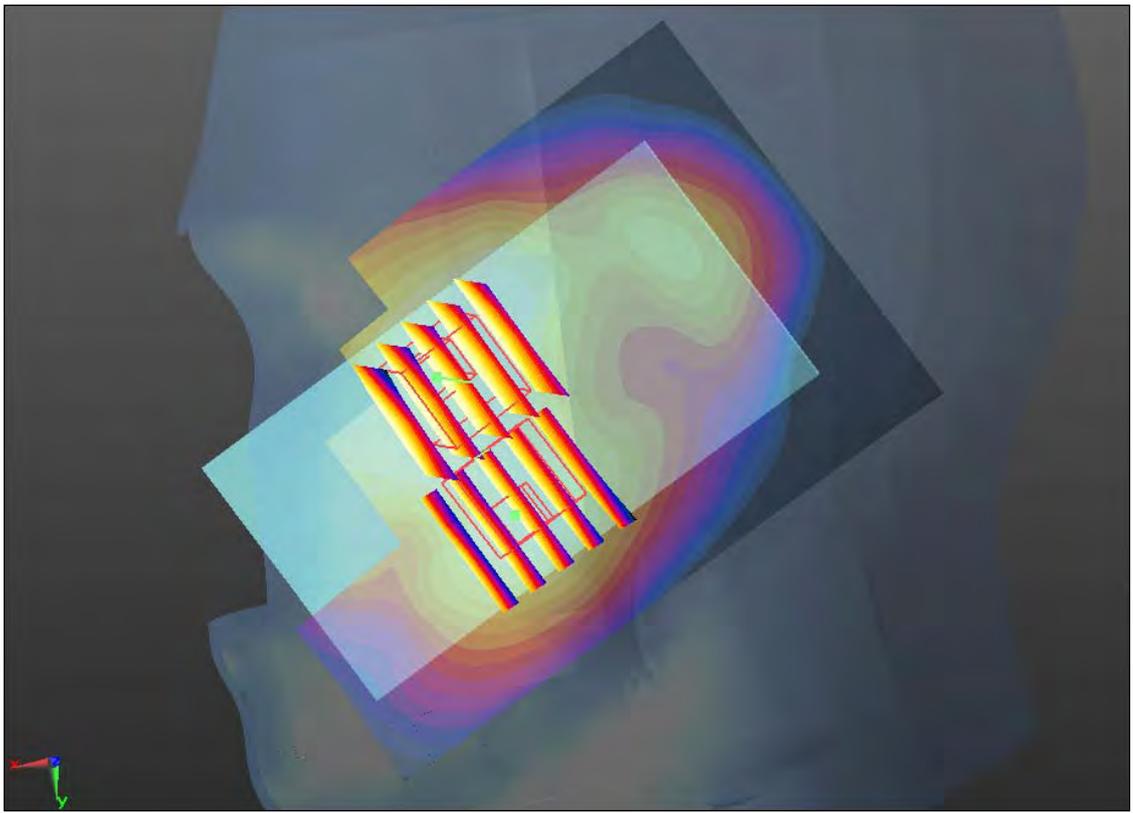
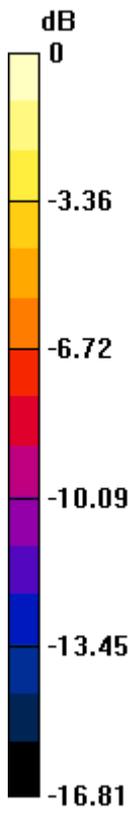
Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.968 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.416 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.176 mW/g

Maximum value of SAR (measured) = 0.344 mW/g



0 dB = 0.340mW/g

#59 LTE Band 4_20M QPSK 100RB 0offset_Right Tilted_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.372 mW/g

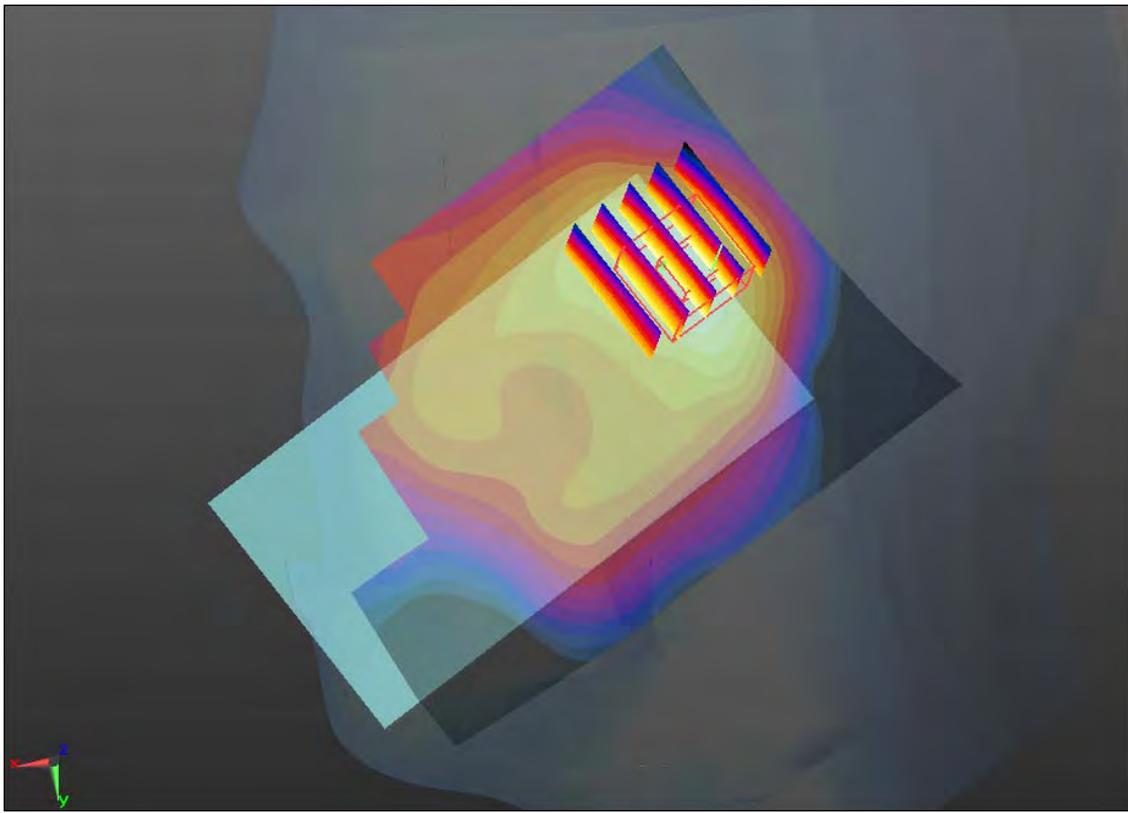
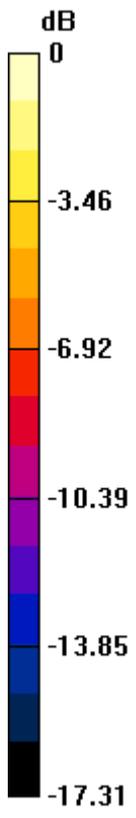
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.200 V/m; Power Drift = -0.0013 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.151 mW/g

Maximum value of SAR (measured) = 0.329 mW/g



0 dB = 0.330mW/g

#60 LTE Band 4_20M QPSK 100RB 0offset_Left Cheek_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.157 mW/g

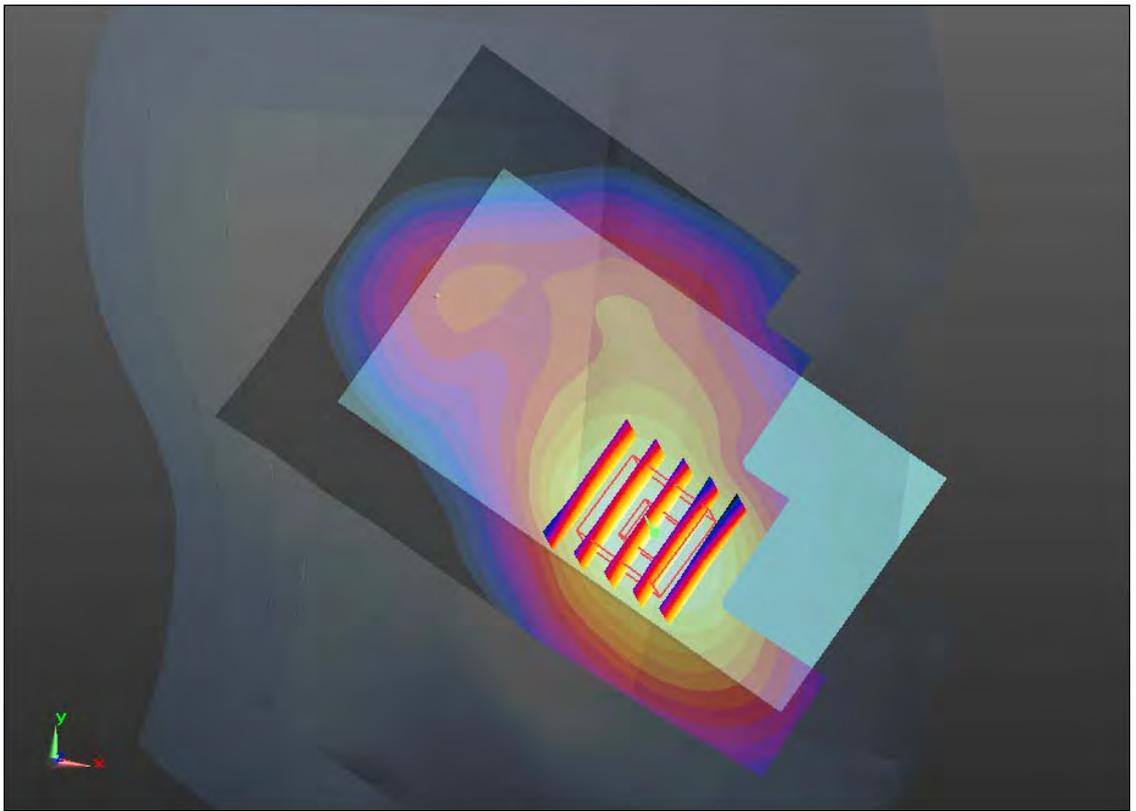
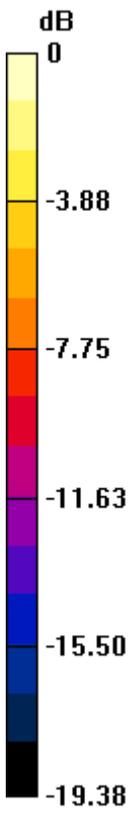
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.651 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.222 W/kg

SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.461 mW/g

Maximum value of SAR (measured) = 1.013 mW/g



0 dB = 1.010mW/g

#61 LTE Band 4_20M QPSK 100RB 0offset_Left Tilted_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: HSL_1750_130311 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.361$ mho/m; $\epsilon_r =$

41.412; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.328 mW/g

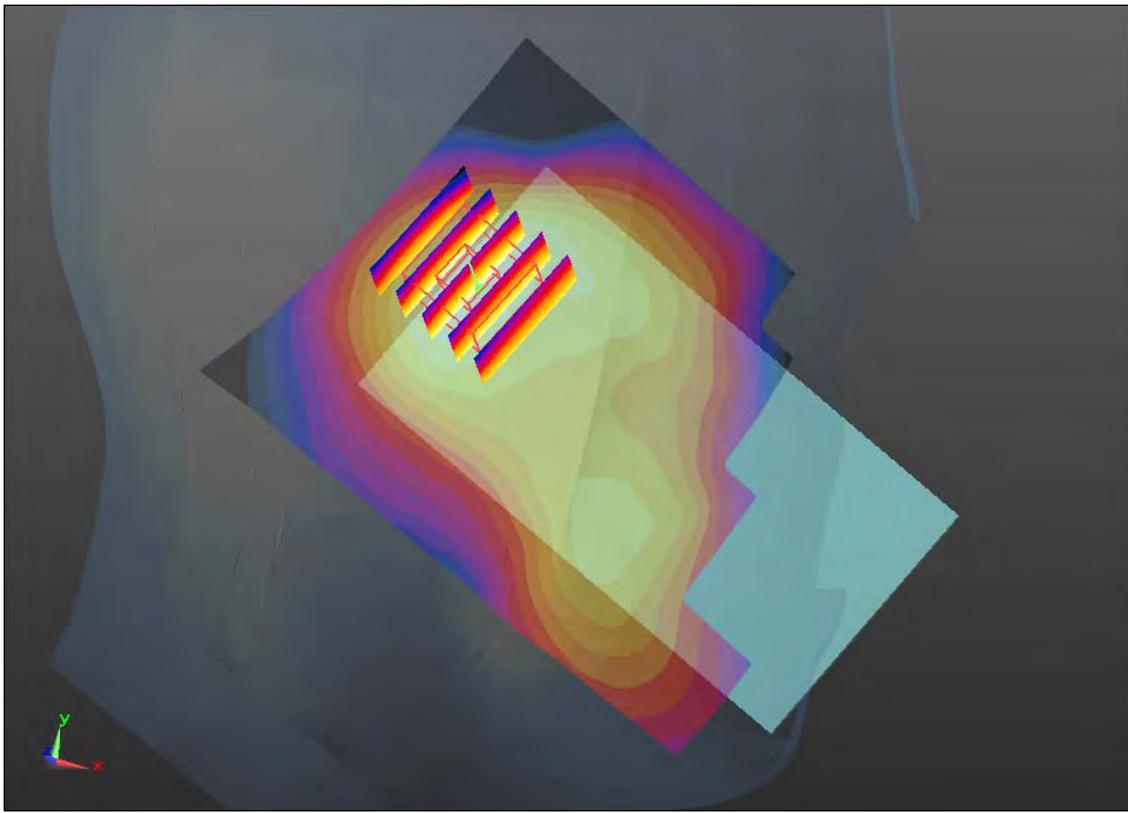
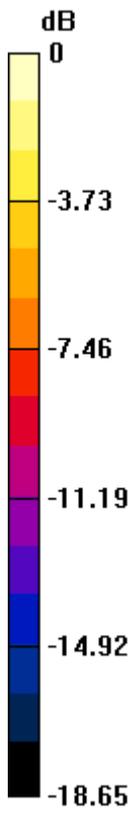
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.291 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.315 mW/g



0 dB = 0.310mW/g

#62 LTE Band 5_20M QPSK 1RB 0offset_Right Cheek_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.440 mW/g

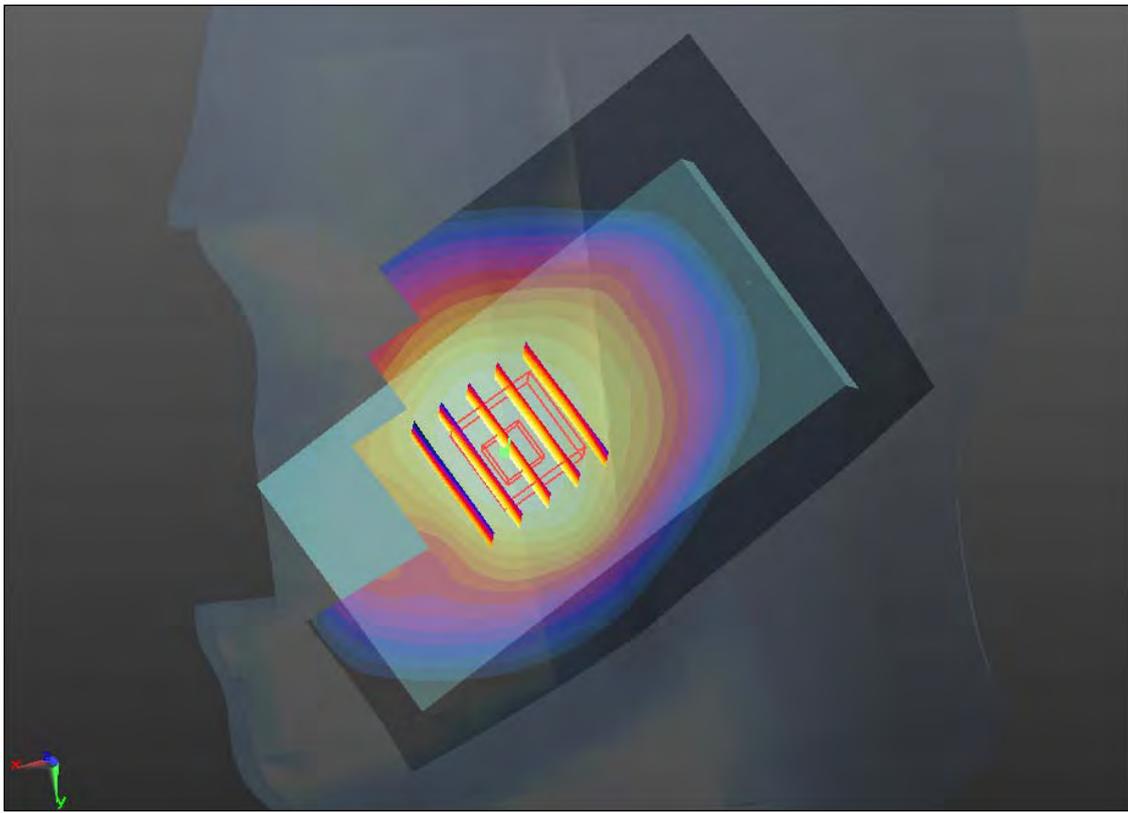
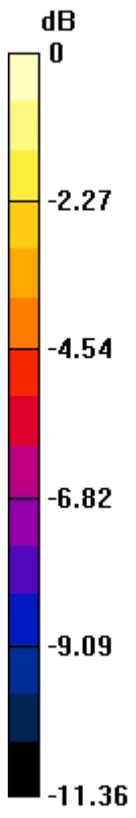
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.875 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.451 W/kg

SAR(1 g) = 0.374 mW/g; SAR(10 g) = 0.284 mW/g

Maximum value of SAR (measured) = 0.415 mW/g



0 dB = 0.420mW/g

#63 LTE Band 5_20M QPSK 1RB 0offset_Right Tilted_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.343 mW/g

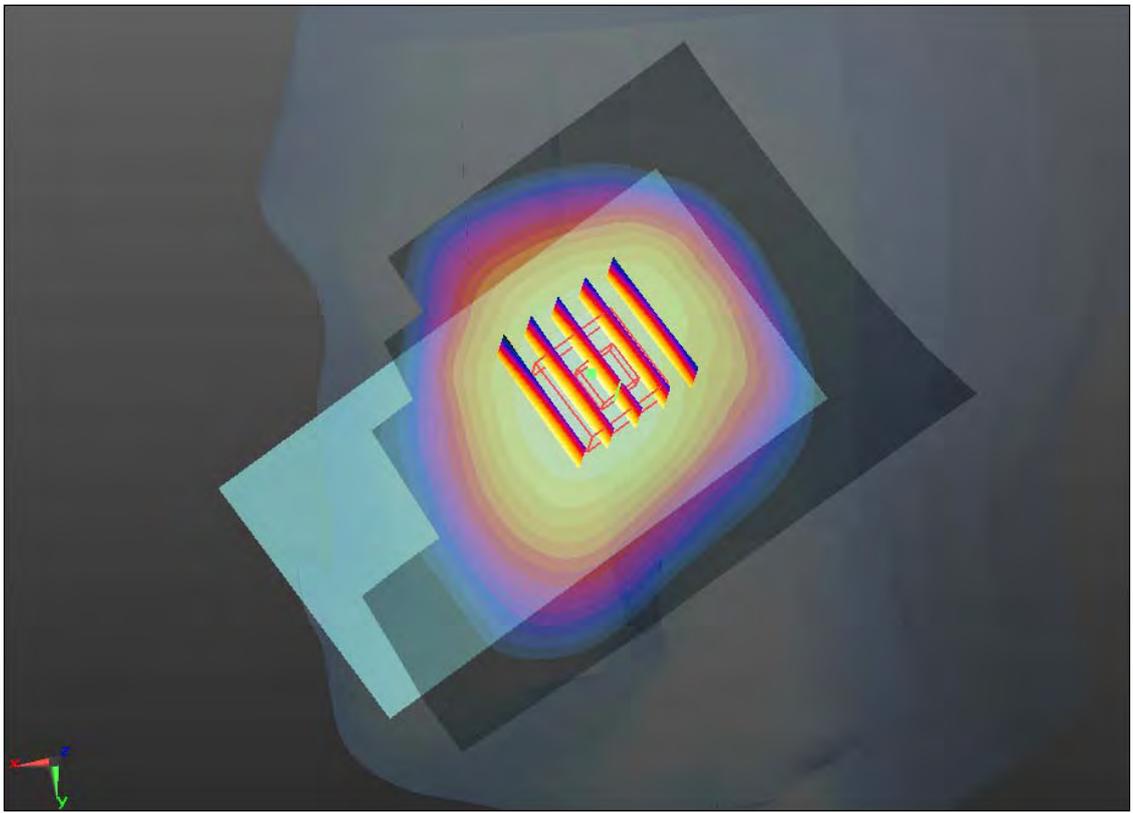
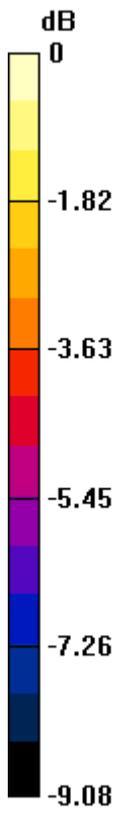
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.140 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.347 mW/g



0 dB = 0.350mW/g

#64 LTE Band 5_20M QPSK 1RB 0offset_Left Cheek_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.482 mW/g

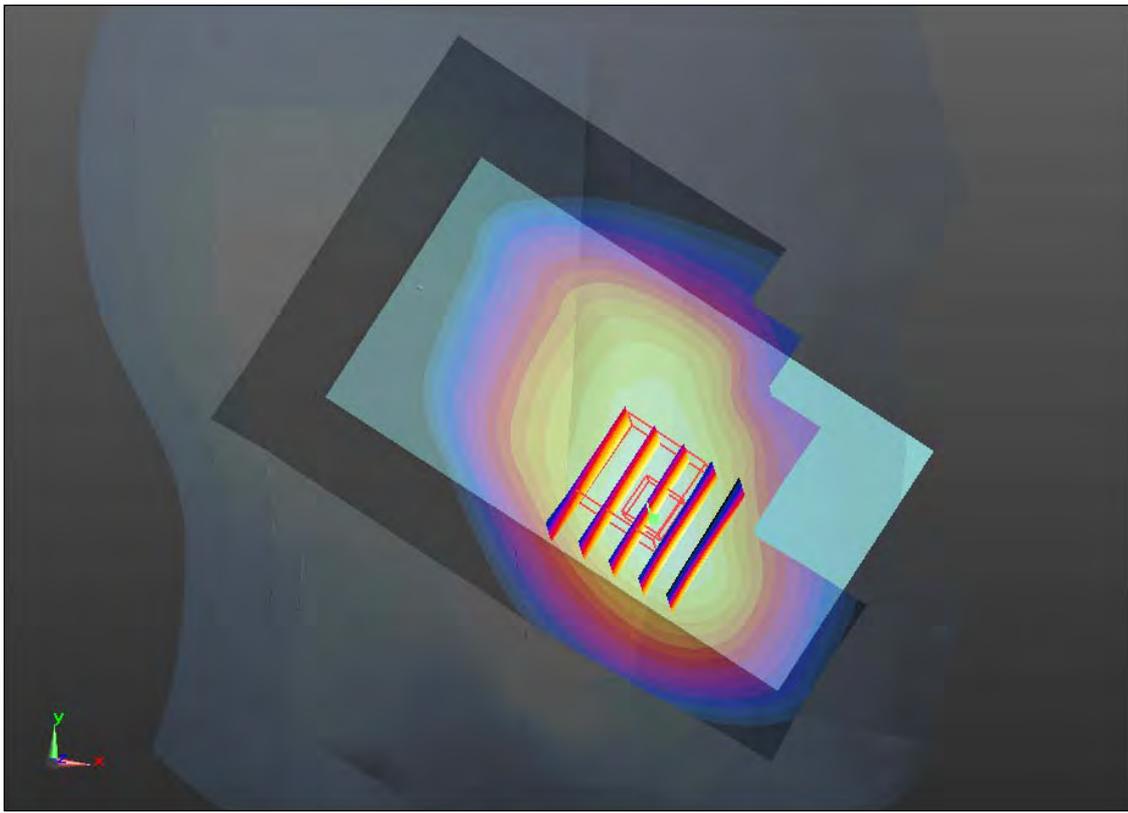
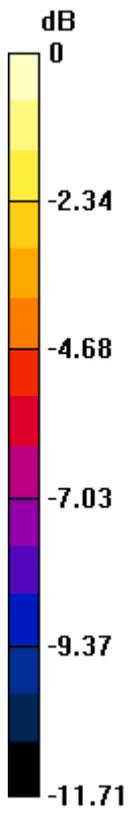
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.037 V/m; Power Drift = 0.052 dB

Peak SAR (extrapolated) = 0.532 W/kg

SAR(1 g) = 0.380 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.462 mW/g



0 dB = 0.460mW/g

#65 LTE Band 5_20M QPSK 1RB 0offset_Left Tilted_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.347 mW/g

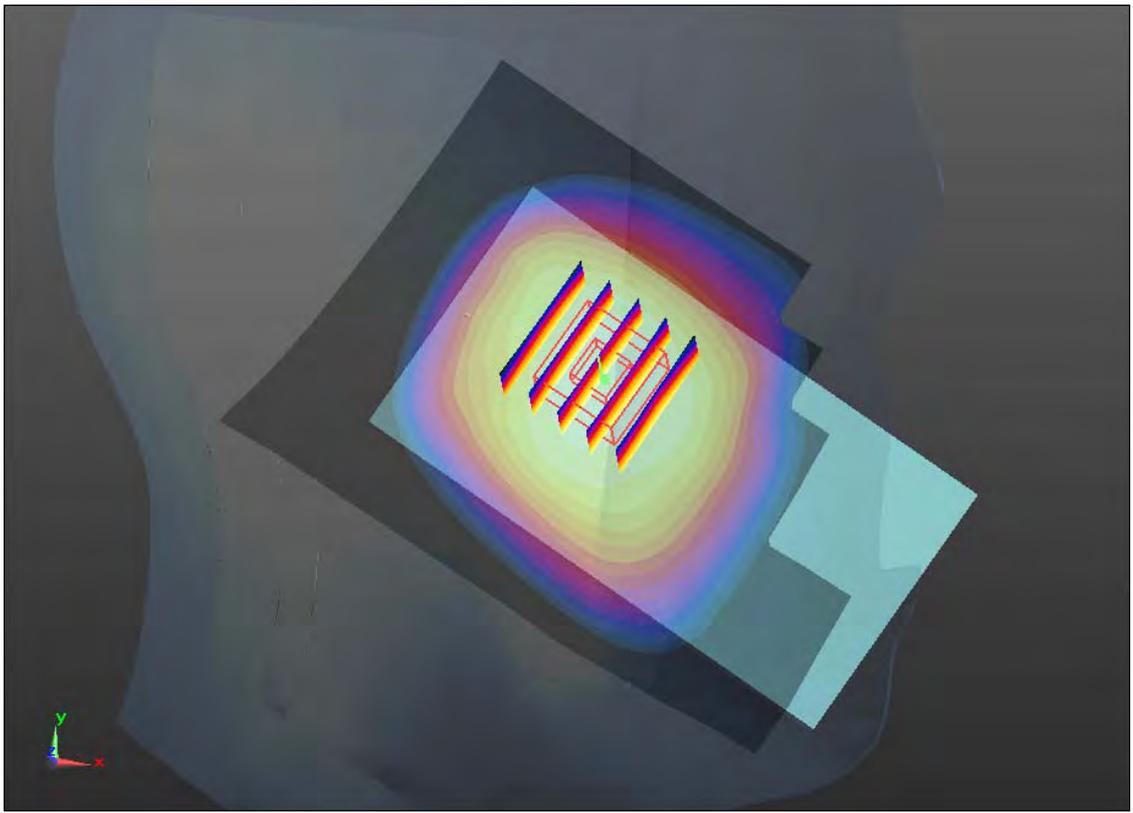
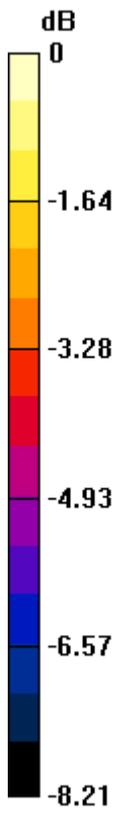
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.013 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.363 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.340 mW/g



0 dB = 0.340mW/g

#66 LTE Band 5_20M QPSK 25RB 0offset_Right Cheek_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.357 mW/g

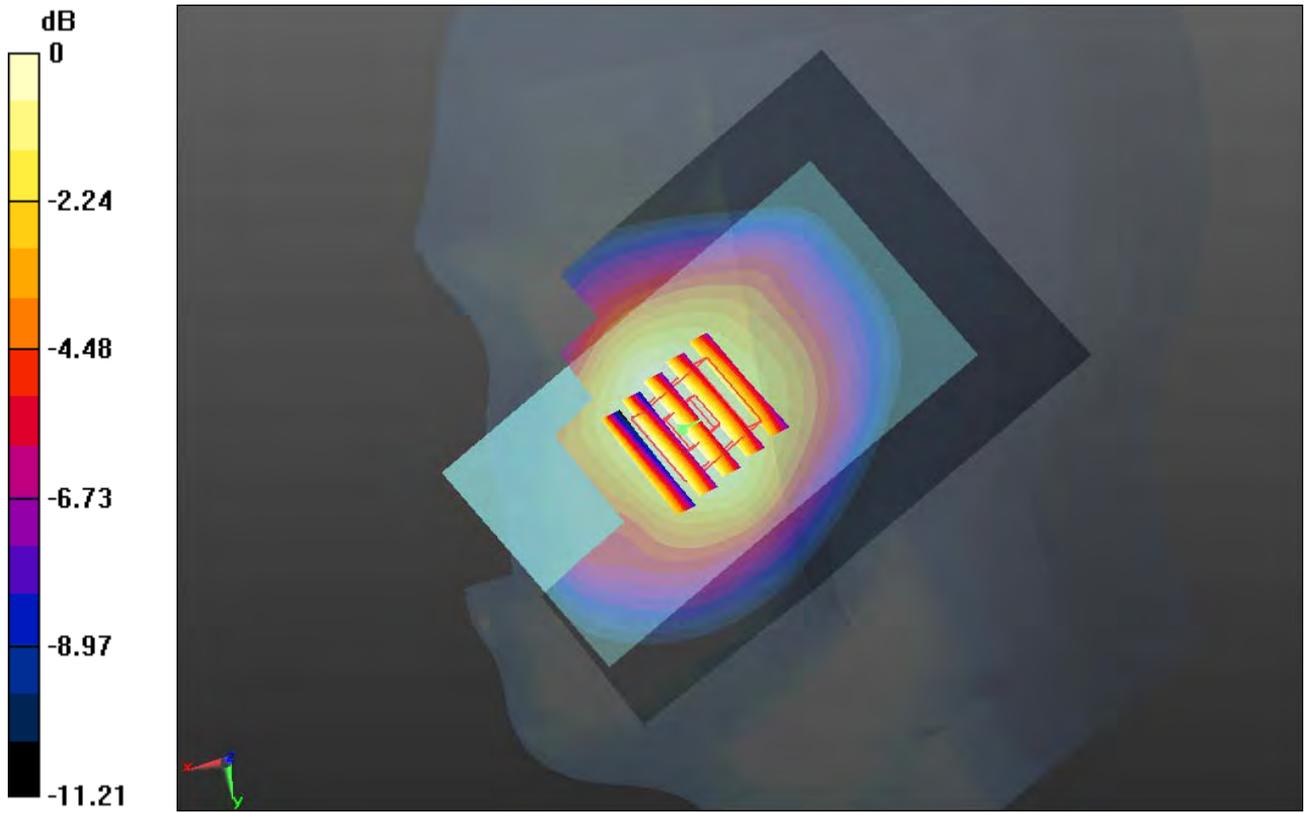
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.382 V/m; Power Drift = -0.0064 dB

Peak SAR (extrapolated) = 0.379 W/kg

SAR(1 g) = 0.320 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.355 mW/g



0 dB = 0.350mW/g

#67 LTE Band 5_20M QPSK 25RB 0offset_Right Tilted_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.265 mW/g

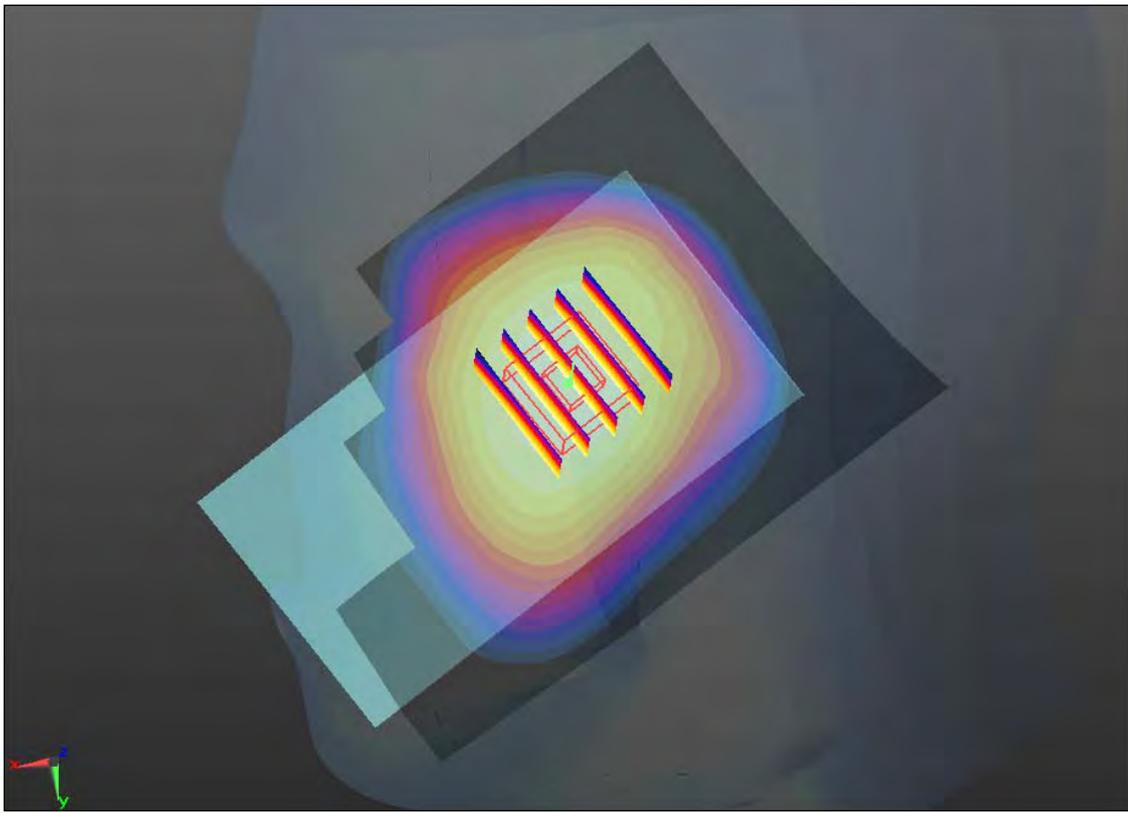
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.287 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.282 W/kg

SAR(1 g) = 0.230 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.260 mW/g



0 dB = 0.260mW/g

#68 LTE Band 5_20M QPSK 25RB 0offset_Left Cheek_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.351 mW/g

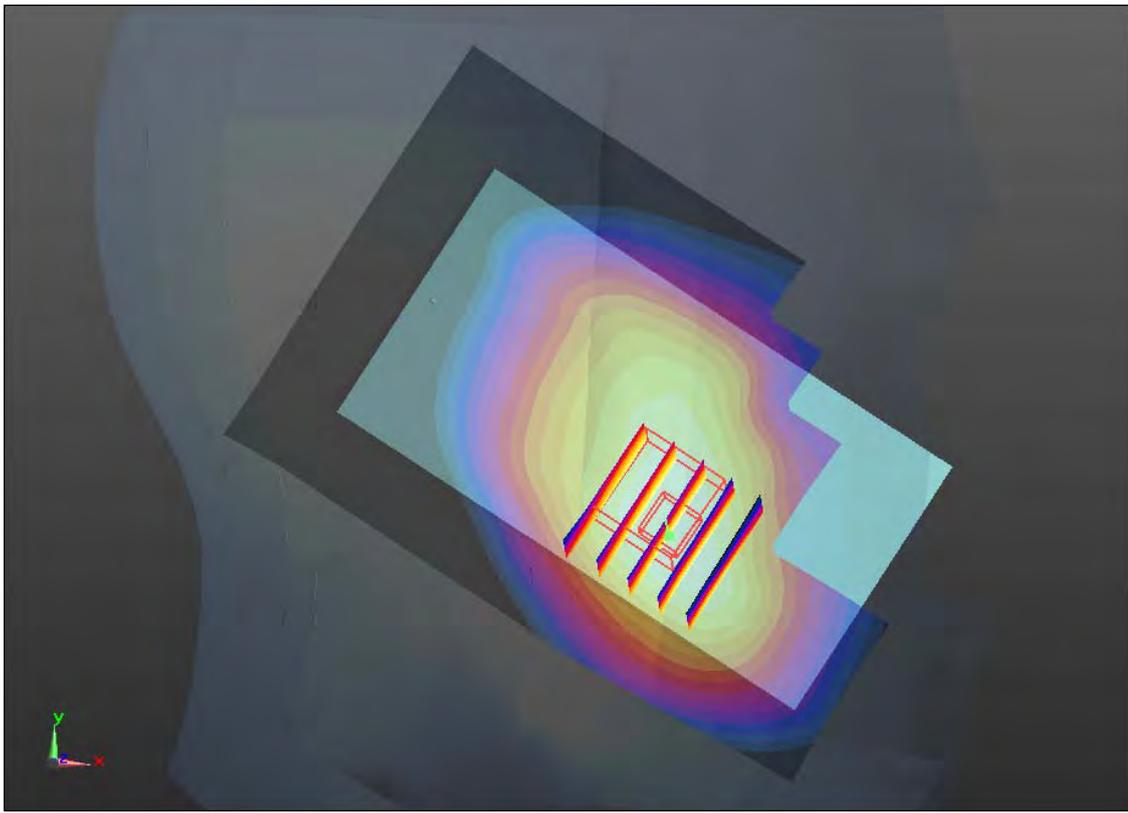
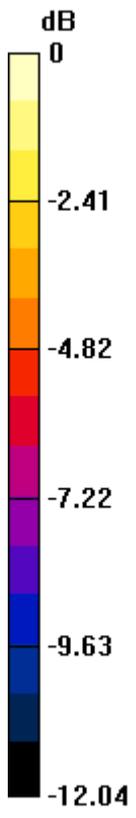
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.117 V/m; Power Drift = 0.068 dB

Peak SAR (extrapolated) = 0.382 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.331 mW/g



0 dB = 0.330mW/g

#69 LTE Band 5_20M QPSK 25RB 0offset_Left Tilted_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: HSL_835_130226 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.887$ mho/m; $\epsilon_r =$

41.075 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.263 mW/g

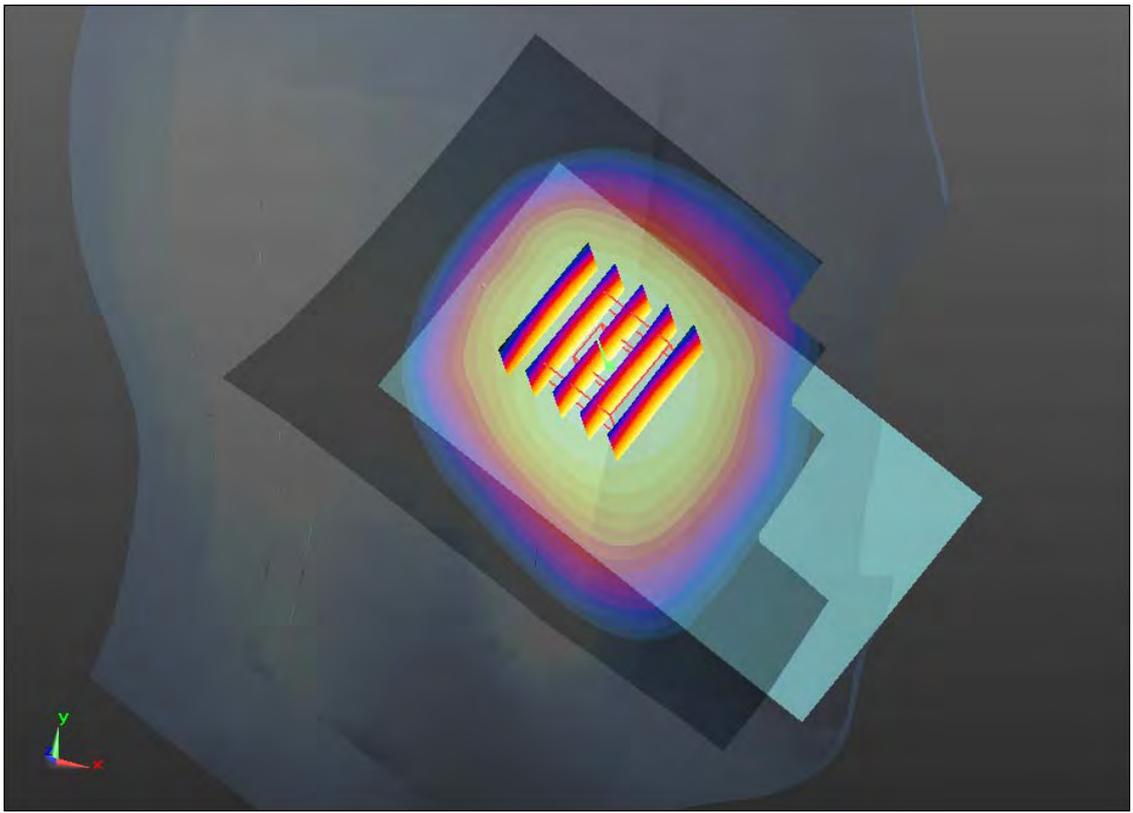
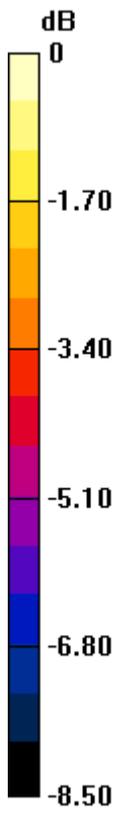
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.167 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.281 W/kg

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.262 mW/g



0 dB = 0.260mW/g

#70 LTE Band 17_10M QPSK 1RB 0offset_Right Cheek_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.440 mW/g

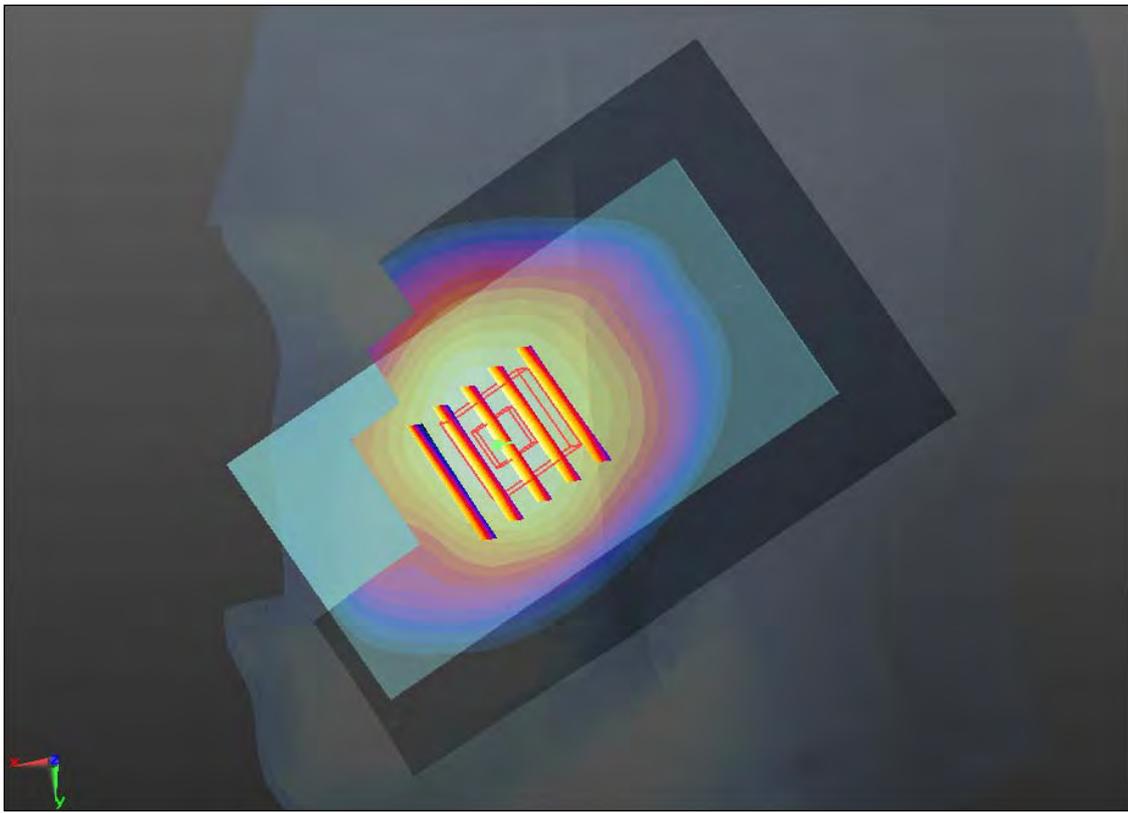
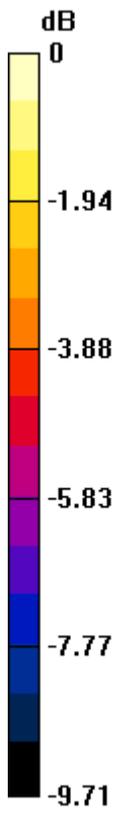
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.088 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.461 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.306 mW/g

Maximum value of SAR (measured) = 0.433 mW/g



0 dB = 0.430mW/g

#71 LTE Band 17_10M QPSK 1RB 0offset_Right Tilted_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.298 mW/g

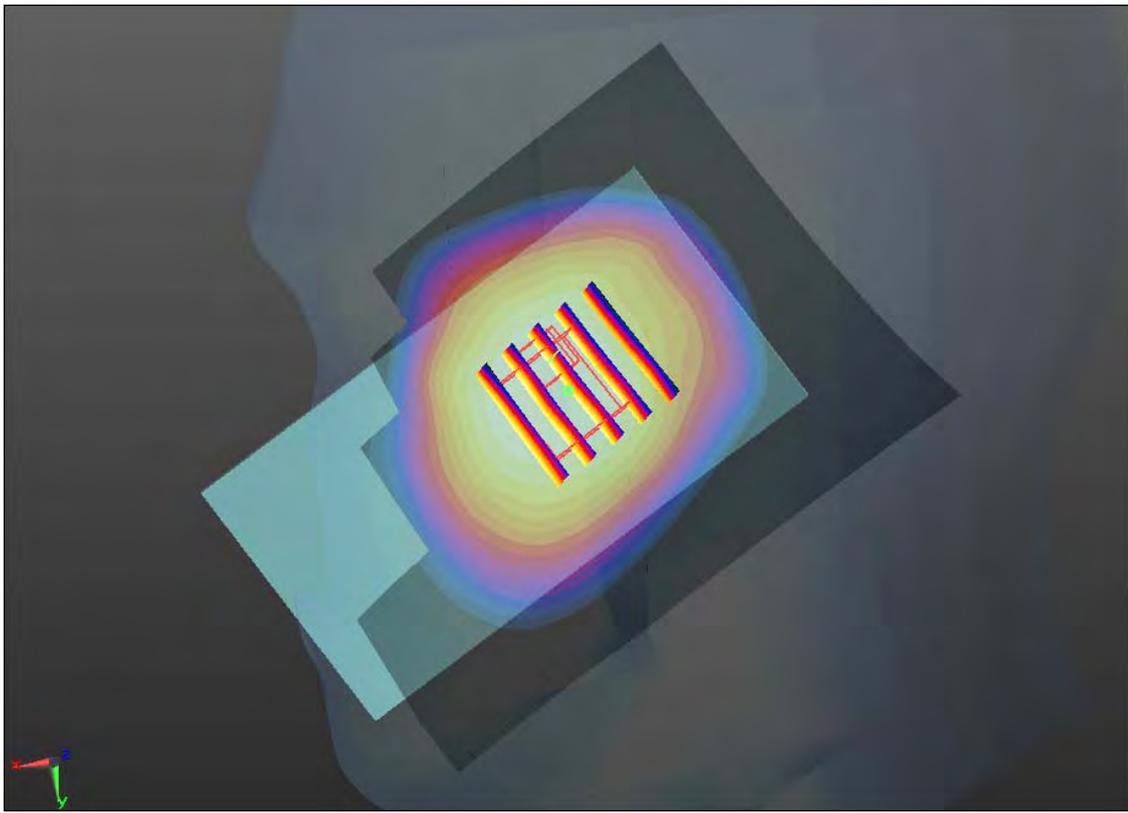
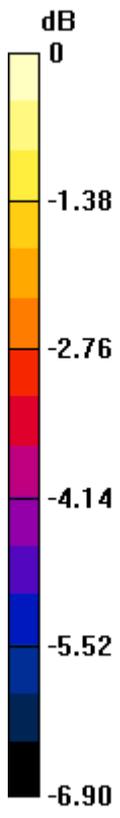
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.850 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.198 mW/g

Maximum value of SAR (measured) = 0.284 mW/g



0 dB = 0.280mW/g

#72 LTE Band 17_10M QPSK 1RB 0offset_Left Cheek_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.476 mW/g

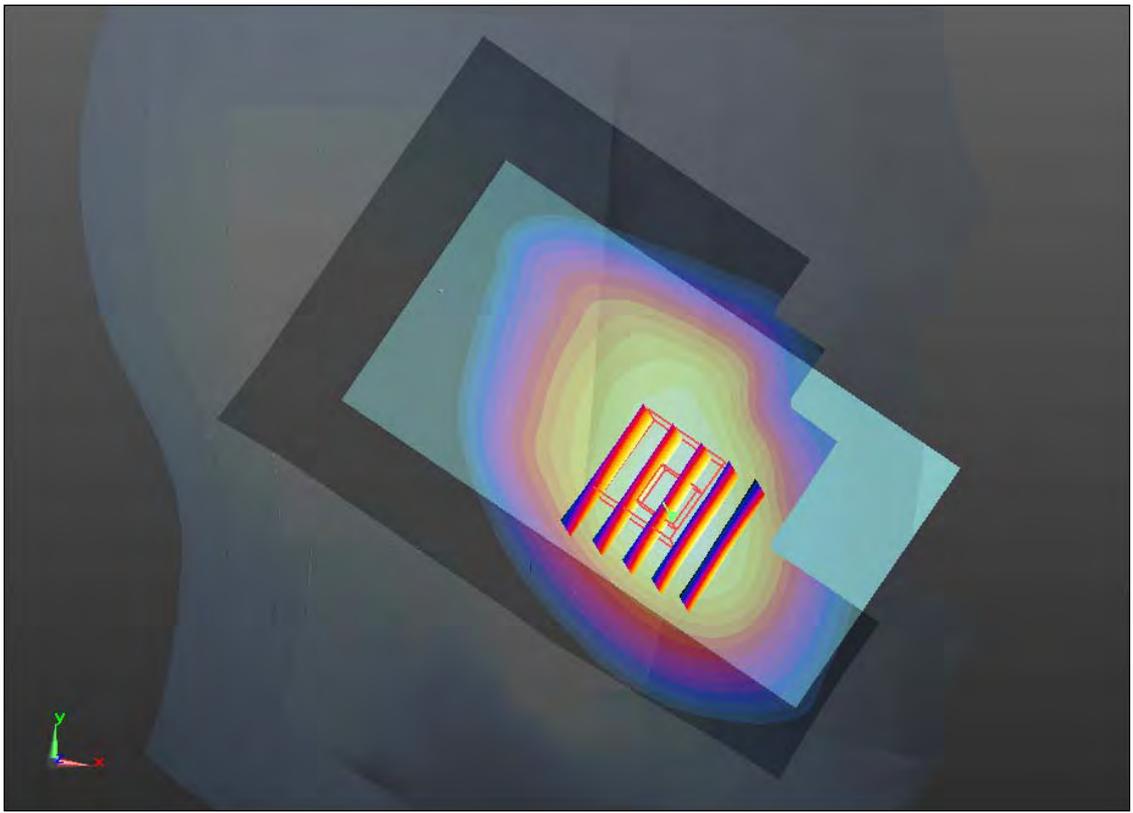
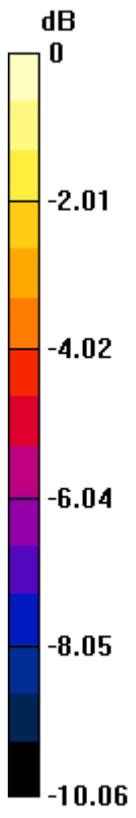
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.605 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.537 W/kg

SAR(1 g) = 0.402 mW/g; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.473 mW/g



0 dB = 0.470mW/g

#73 LTE Band 17_10M QPSK 1RB 0offset_Left Tilted_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

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

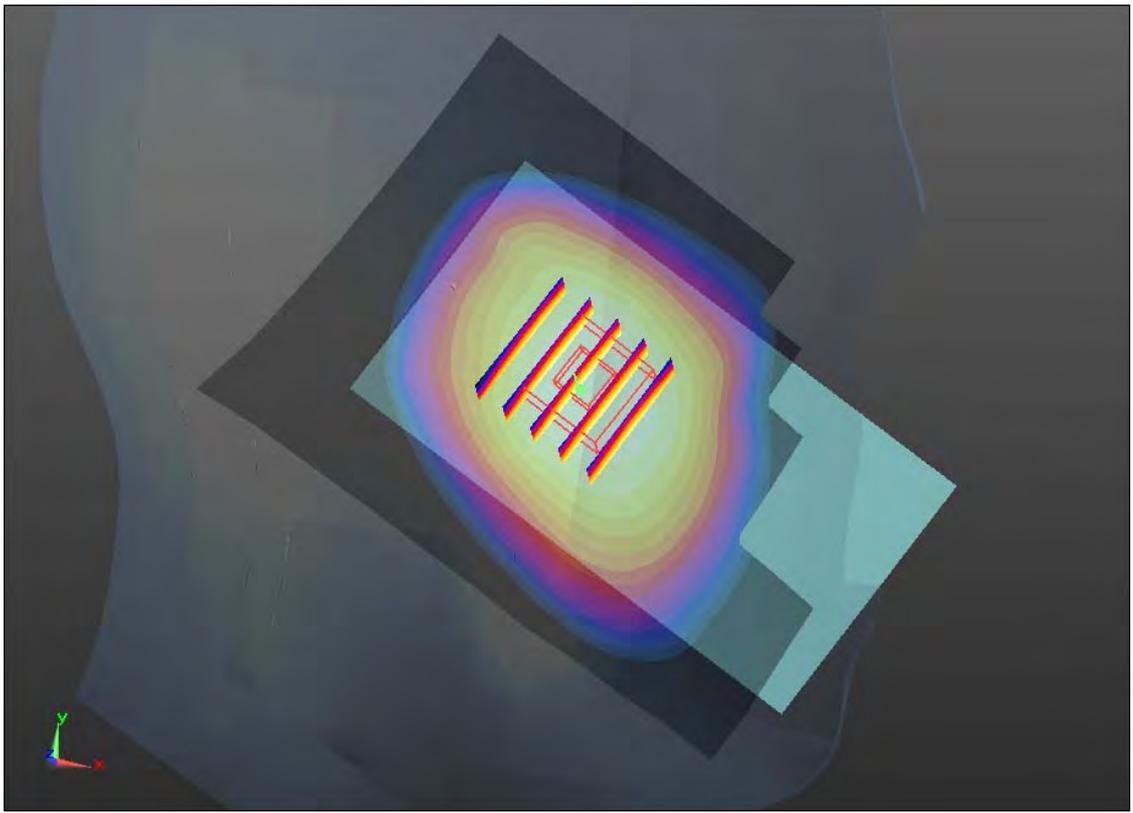
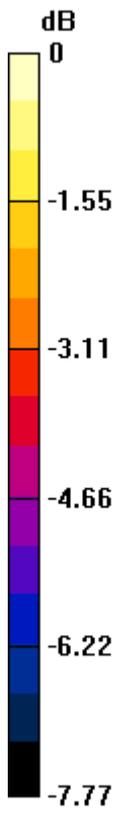
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.925 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.321 W/kg

SAR(1 g) = 0.270 mW/g; SAR(10 g) = 0.214 mW/g

Maximum value of SAR (measured) = 0.299 mW/g



0 dB = 0.300mW/g

#74 LTE Band 17_10M QPSK 25RB 0offset_Right Cheek_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.335 mW/g

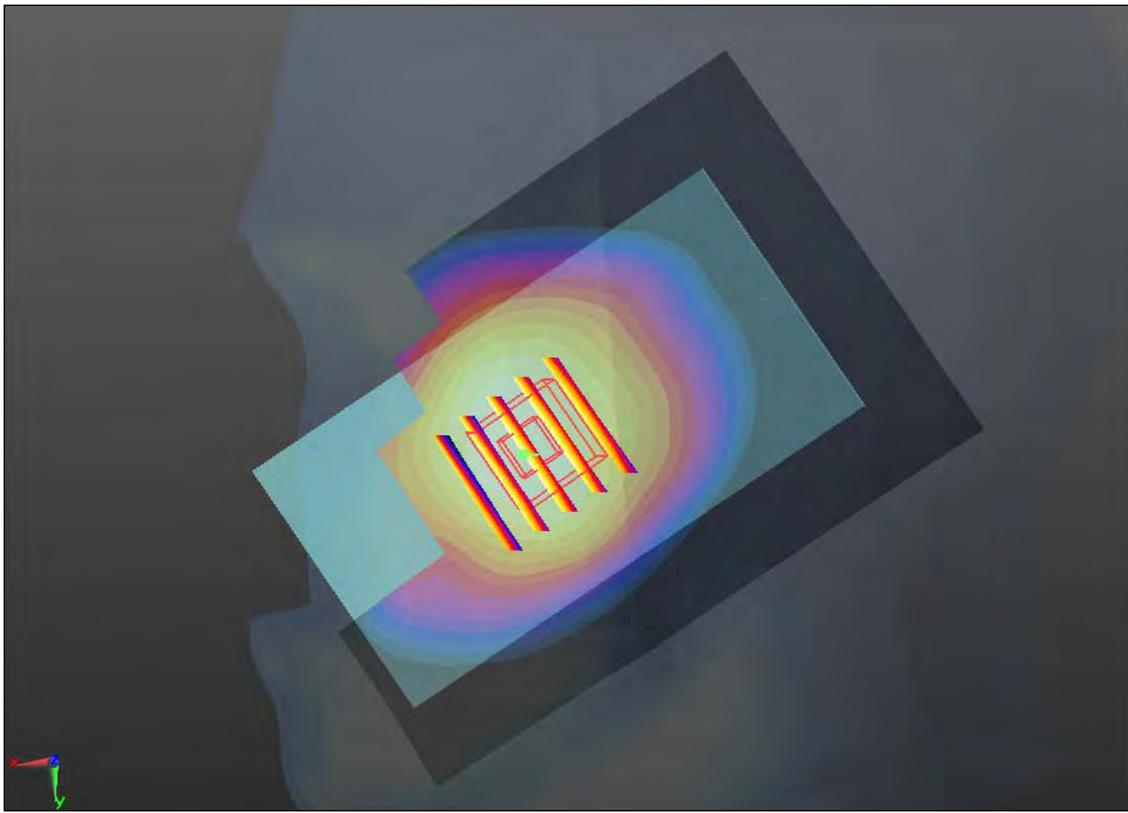
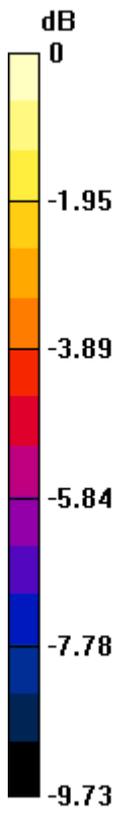
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.082 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.354 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 0.332 mW/g



0 dB = 0.330mW/g

#75 LTE Band 17_10M QPSK 25RB 0offset_Right Tilted_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.229 mW/g

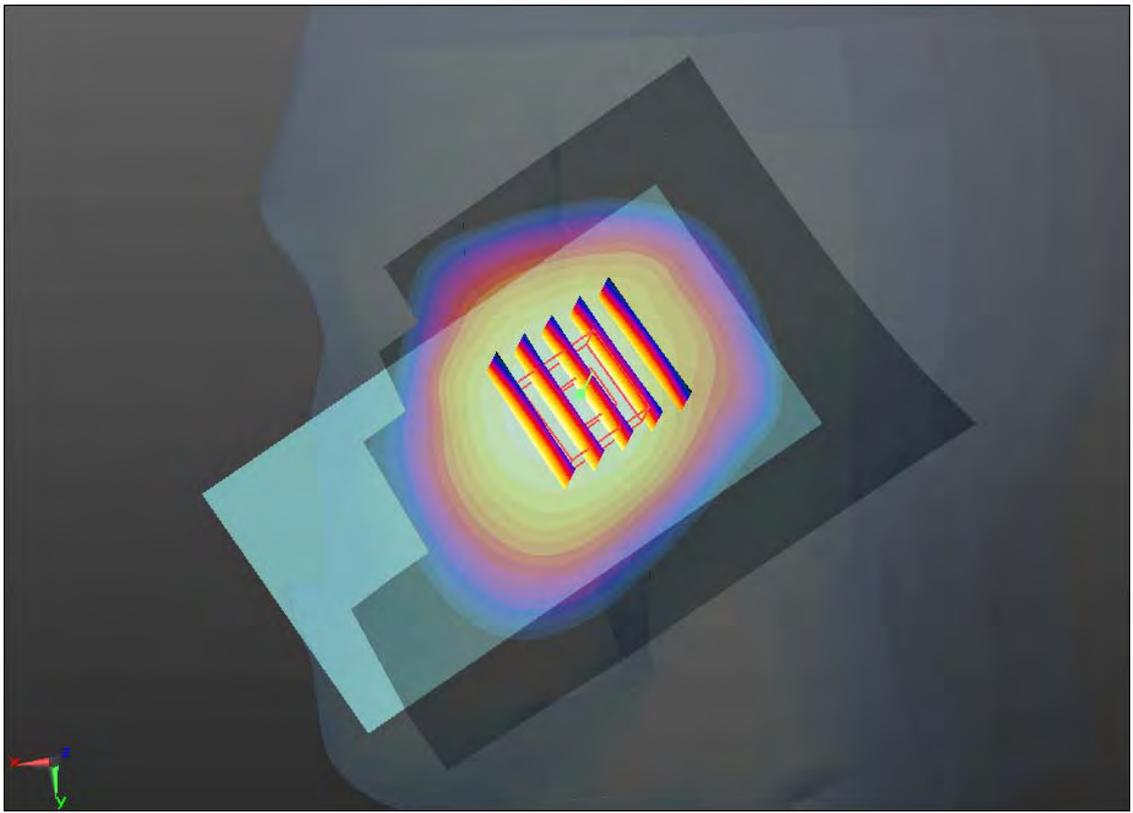
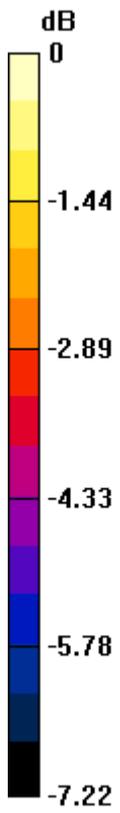
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.210 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.239 W/kg

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.159 mW/g

Maximum value of SAR (measured) = 0.223 mW/g



0 dB = 0.220mW/g

#76 LTE Band 17_10M QPSK 25RB 0offset_Left Cheek_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.373 mW/g

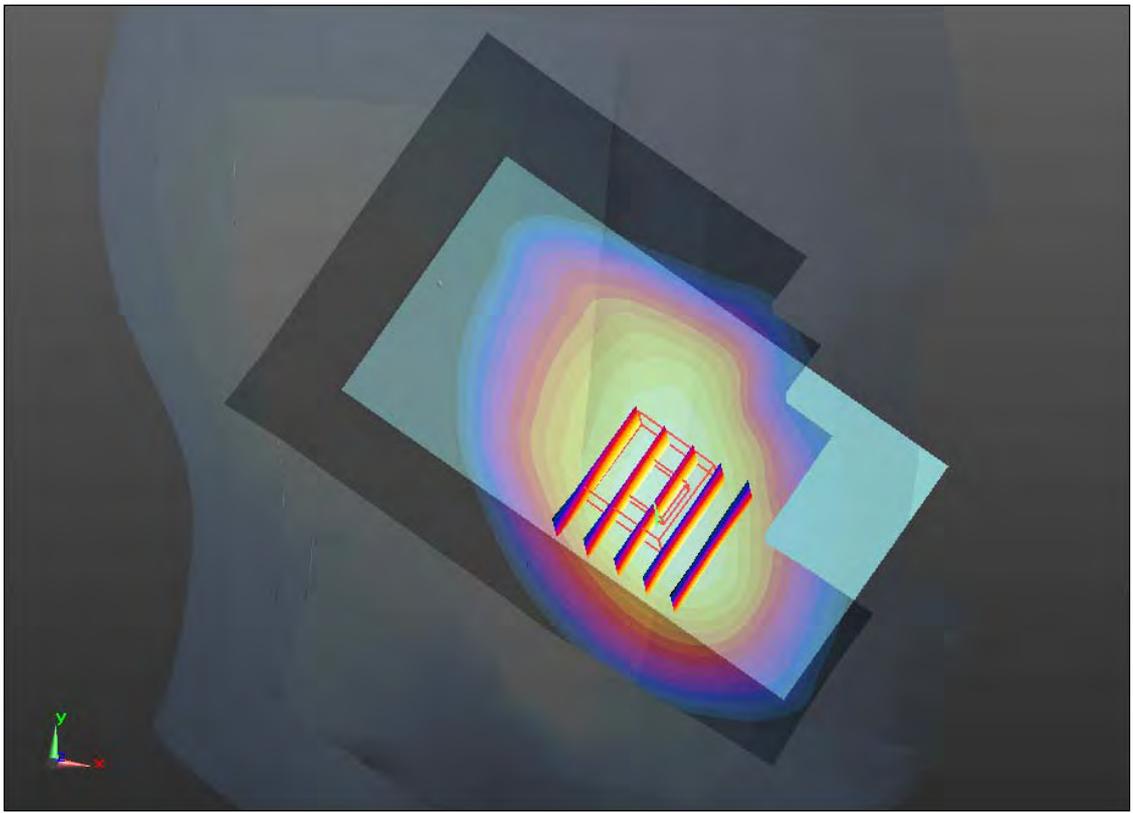
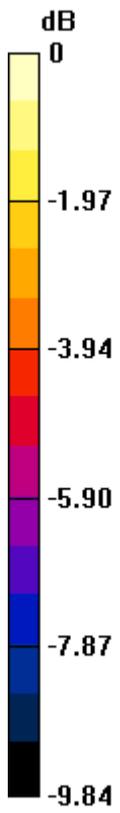
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.177 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.350 mW/g



0 dB = 0.350mW/g

#77 LTE Band 17_10M QPSK 25RB 0offset_Left Tilted_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: HSL_750_130226 Medium parameters used: $f = 710$ MHz; $\sigma = 0.859$ mho/m; $\epsilon_r = 41.858$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.25, 9.25, 9.25); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.224 mW/g

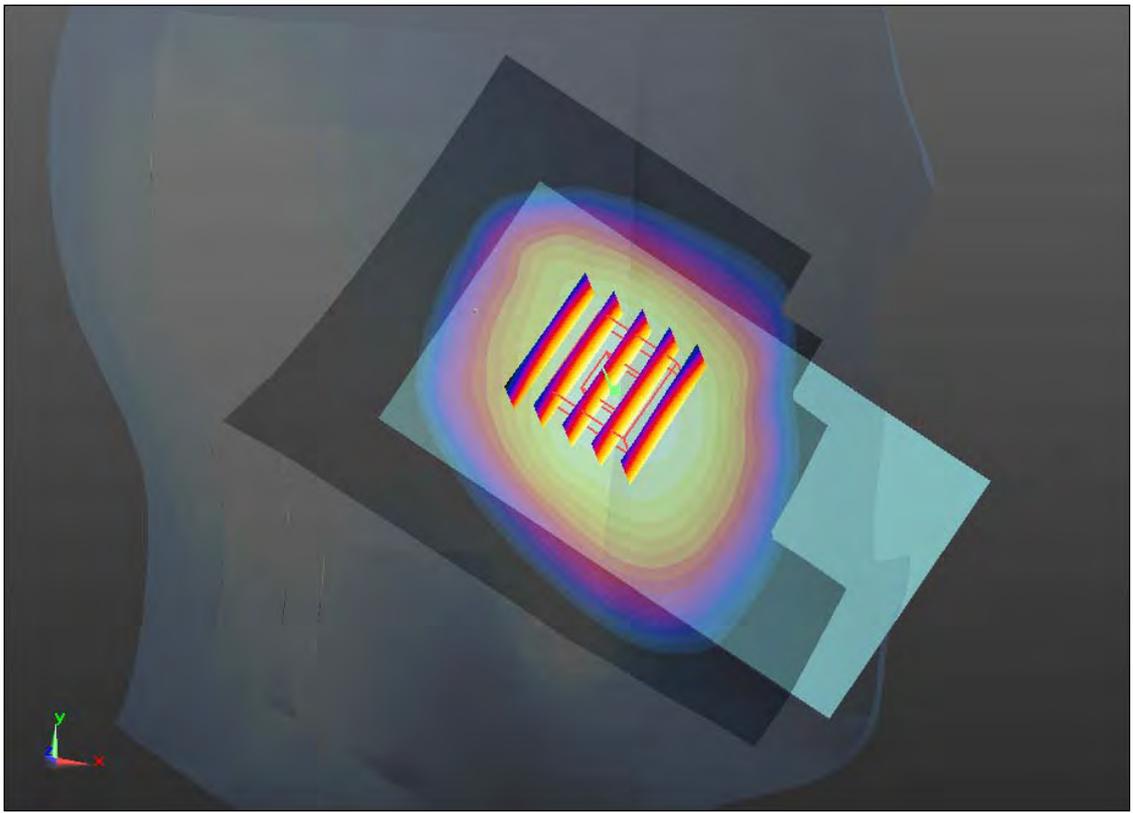
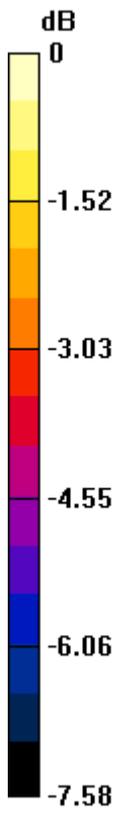
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.957 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.236 W/kg

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.157 mW/g

Maximum value of SAR (measured) = 0.221 mW/g



0 dB = 0.220mW/g

#78 WLAN 2.4GHz Band_802.11b_Right Cheek_Ch11

DUT: 312303

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

Medium: HSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.856$ mho/m; $\epsilon_r =$

39.882 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.464 mW/g

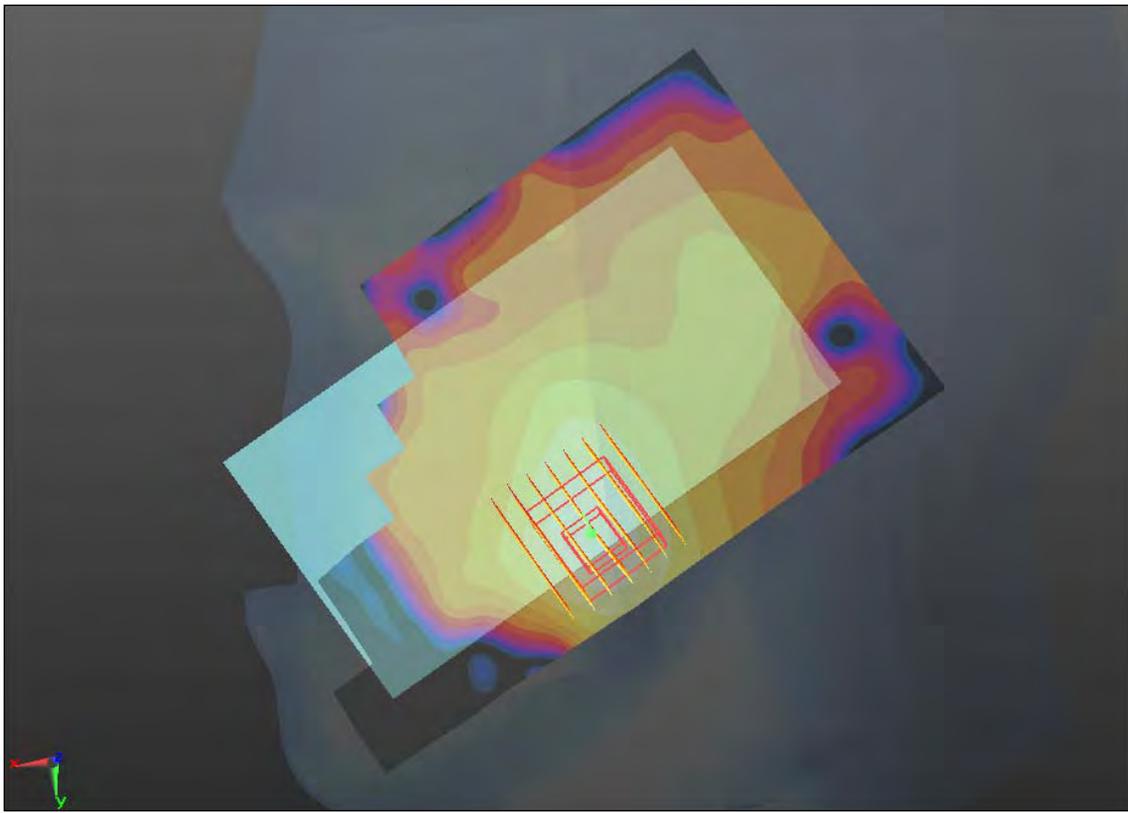
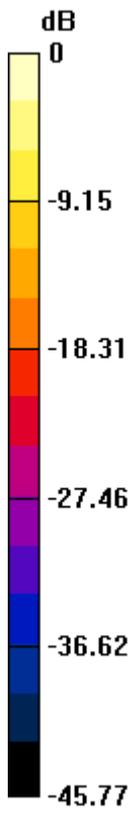
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 4.342 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.475 mW/g



0 dB = 0.470mW/g

#79 WLAN 2.4GHz Band_802.11b_Right Tilted_Ch11

DUT: 312303

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

Medium: HSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.856$ mho/m; $\epsilon_r =$

39.882 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.123 mW/g

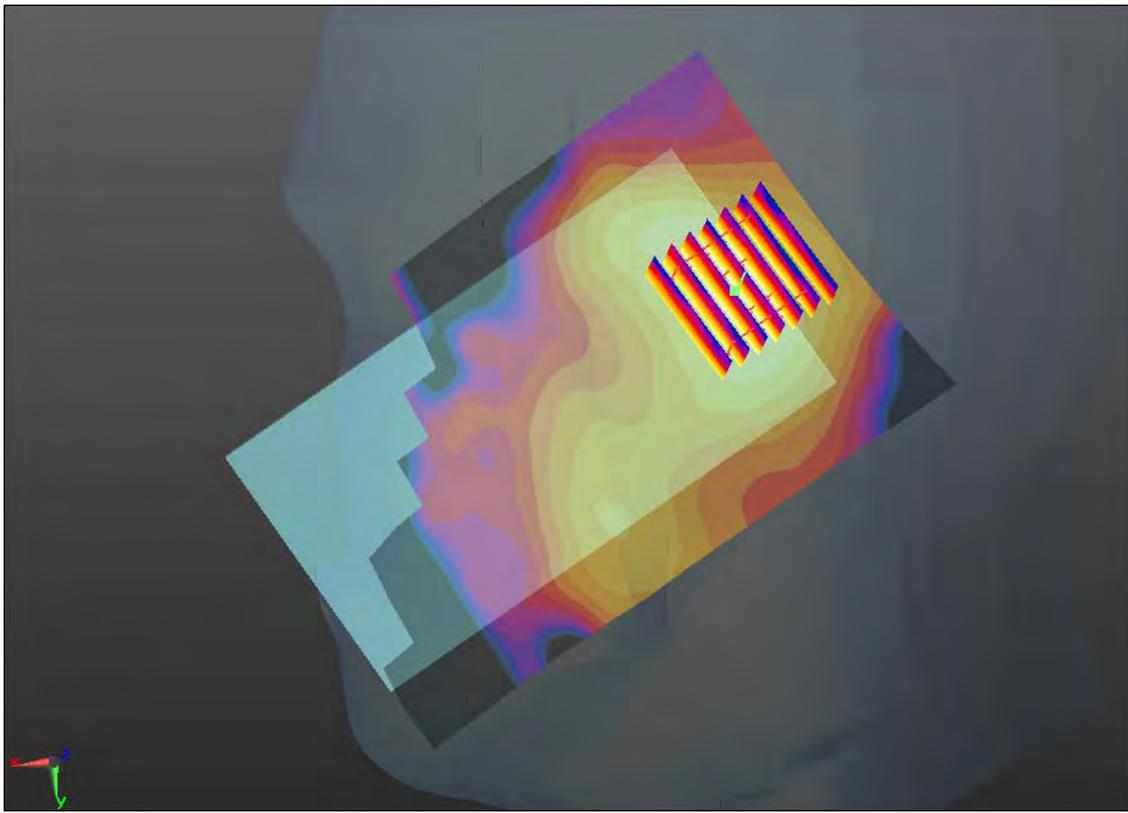
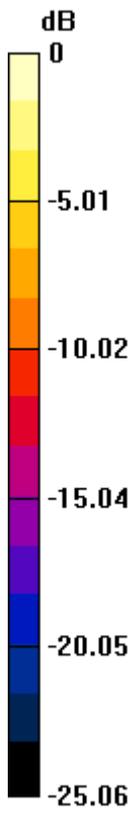
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.037 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.169 W/kg

SAR(1 g) = 0.084 mW/g; SAR(10 g) = 0.042 mW/g

Maximum value of SAR (measured) = 0.123 mW/g



0 dB = 0.120mW/g

#80 WLAN 2.4GHz Band_802.11b_Left Cheek_Ch11

DUT: 312303

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

Medium: HSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.856$ mho/m; $\epsilon_r =$

39.882 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.305 mW/g

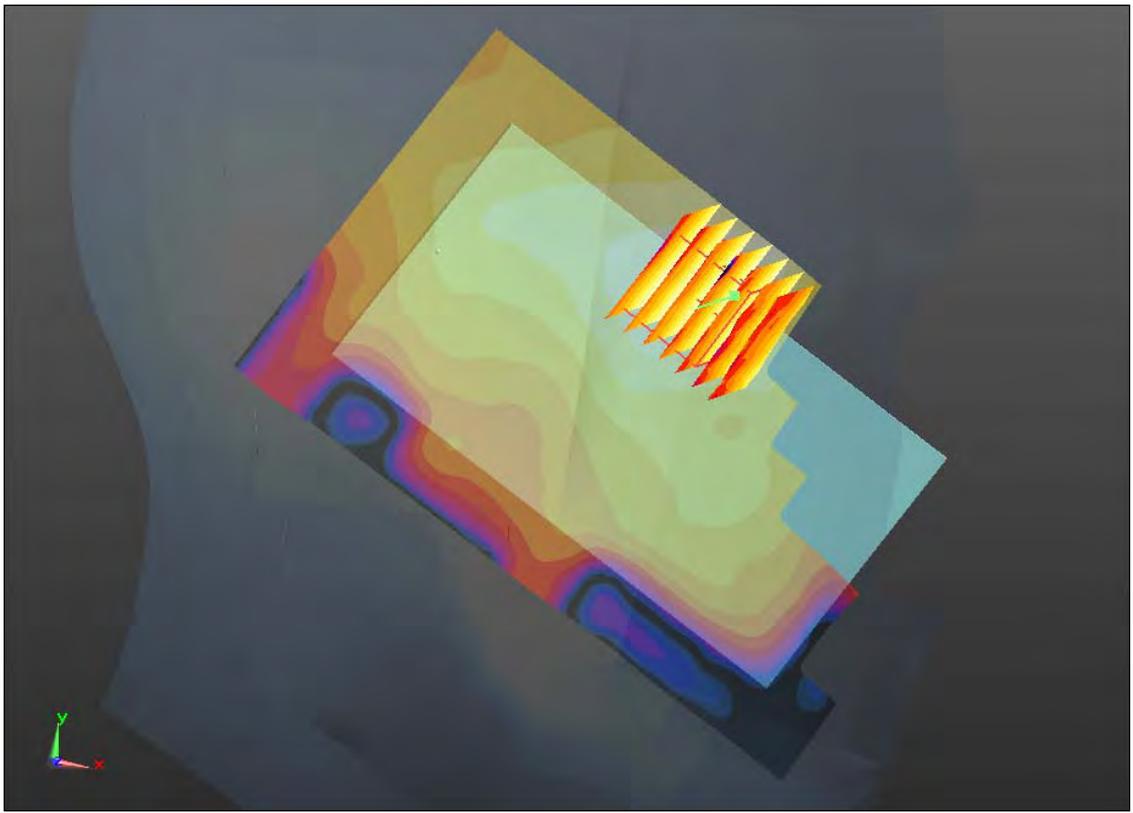
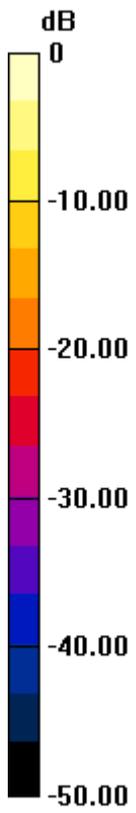
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 3.879 V/m; Power Drift = 0.051 dB

Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.181 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.277 mW/g



0 dB = 0.280mW/g

#81 WLAN 2.4GHz Band_802.11b_Left Tilted_Ch11

DUT: 312303

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

Medium: HSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.856$ mho/m; $\epsilon_r =$

39.882 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.7 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.146 mW/g

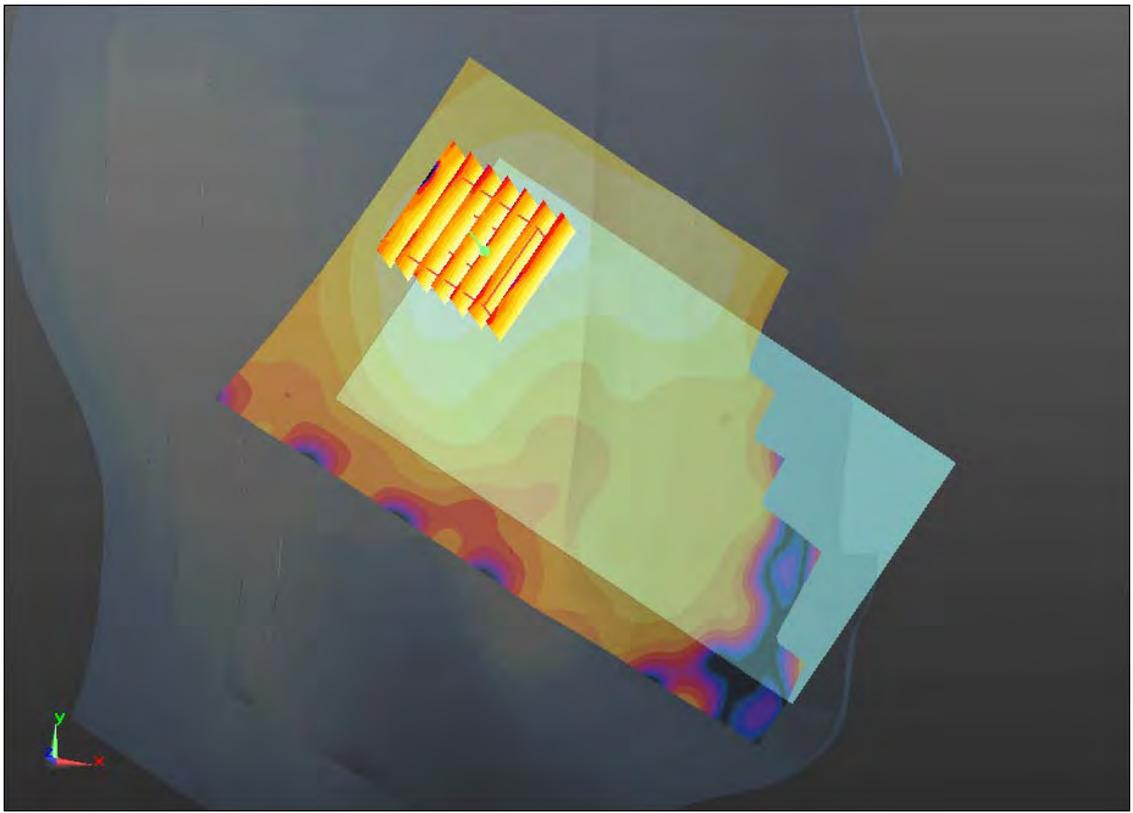
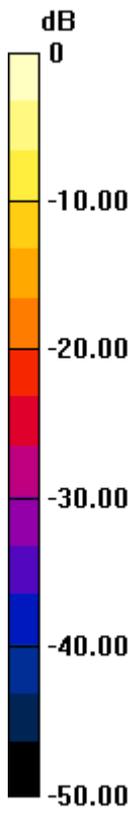
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 7.099 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.192 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.049 mW/g

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



0 dB = 0.140mW/g

#82 GSM850_GPRS (2 Tx slots)_Front 1cm_Ch251

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.048 mW/g

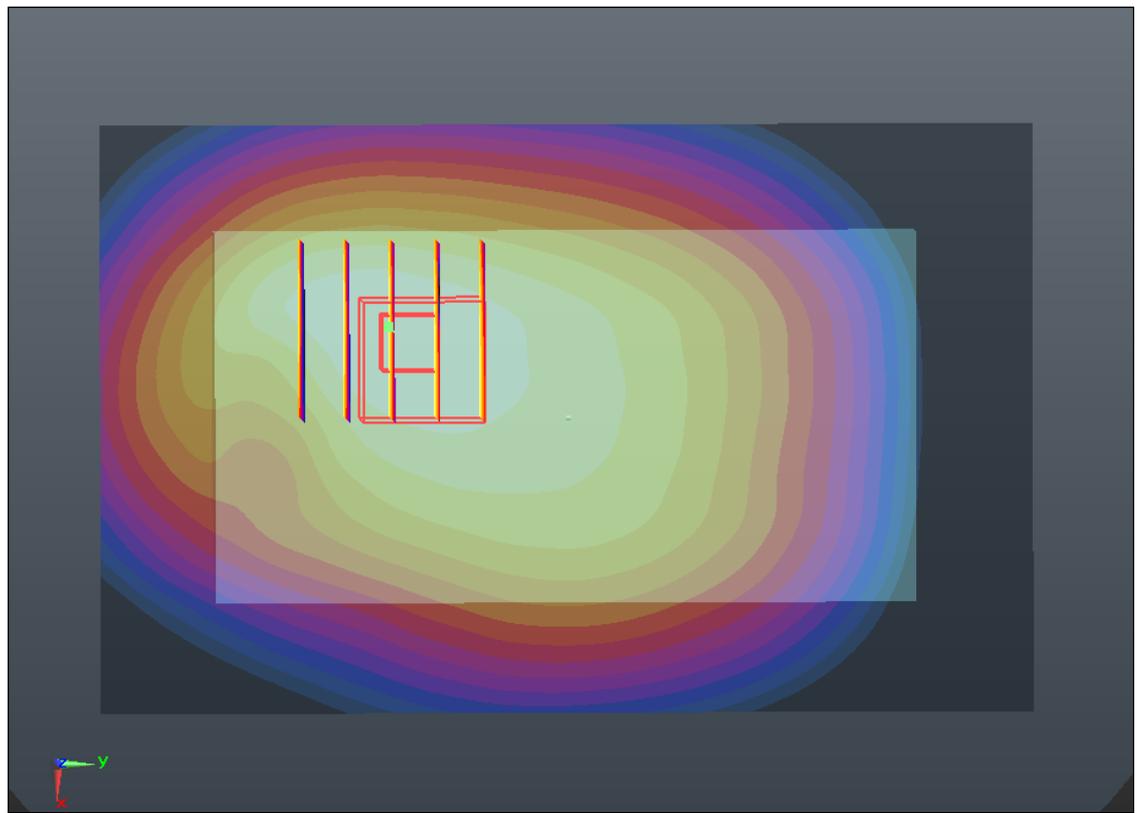
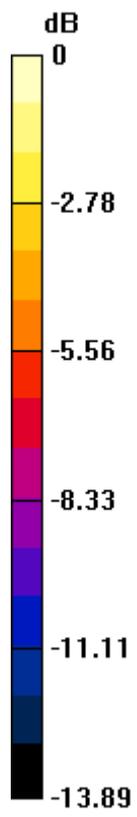
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.254 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.198 W/kg

SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.589 mW/g

Maximum value of SAR (measured) = 1.029 mW/g



0 dB = 1.030mW/g

#83 GSM850_GPRS (2 Tx slots)_Back 1cm_Ch251

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.424 mW/g

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

Reference Value = 32.914 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.508 W/kg

SAR(1 g) = 1.150 mW/g; SAR(10 g) = 0.842 mW/g

Maximum value of SAR (measured) = 1.346 mW/g

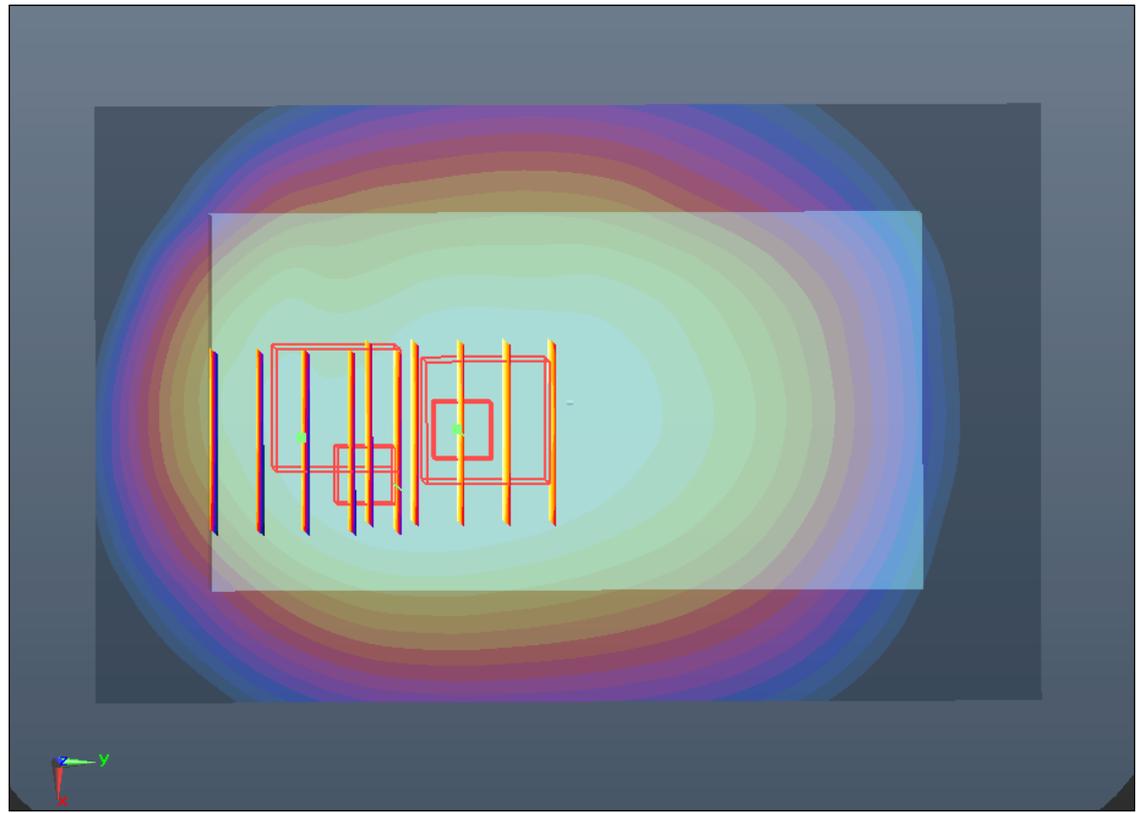
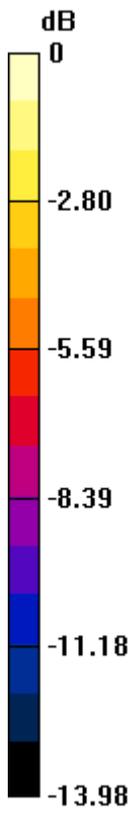
Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.914 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.366 W/kg

SAR(1 g) = 0.856 mW/g; SAR(10 g) = 0.527 mW/g

Maximum value of SAR (measured) = 1.163 mW/g



0 dB = 1.160mW/g

#84 GSM850_GPRS (2 Tx slots)_Back 1cm_C251_Repeat SAR

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.326 mW/g

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

Reference Value = 32.287 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.491 W/kg

SAR(1 g) = 1.140 mW/g; SAR(10 g) = 0.834 mW/g

Maximum value of SAR (measured) = 1.337 mW/g

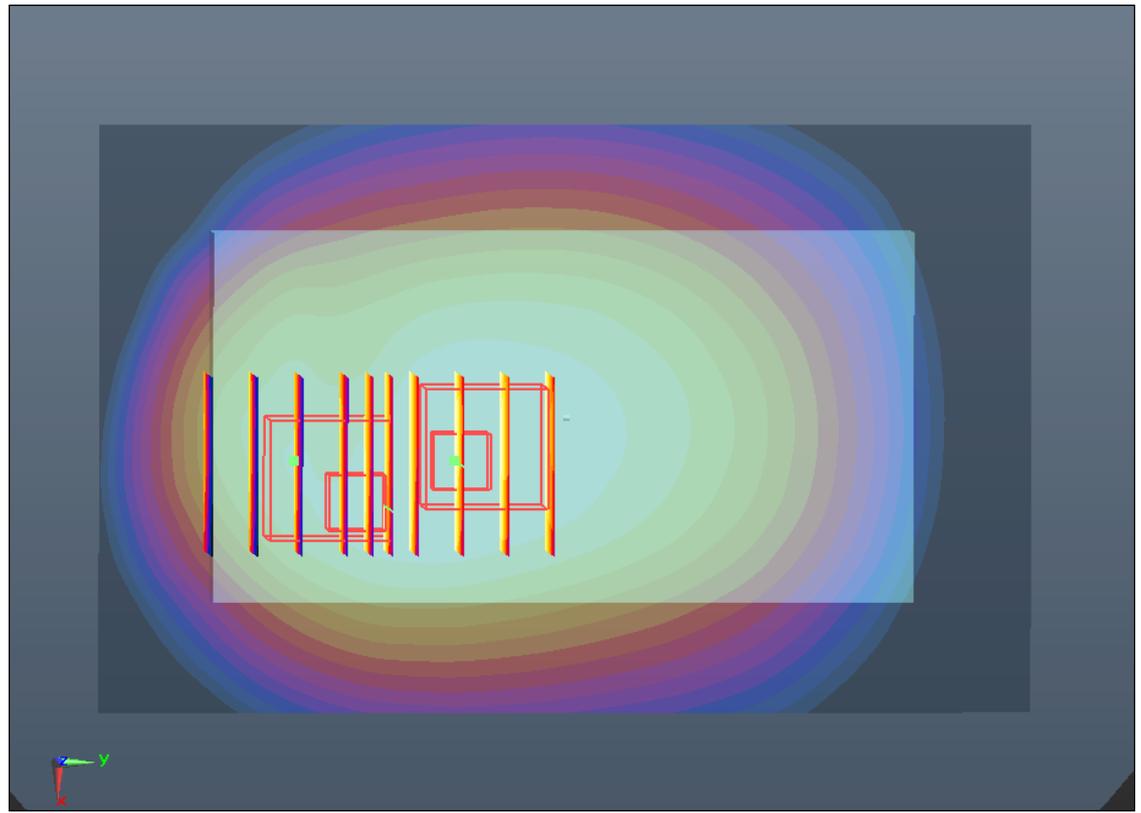
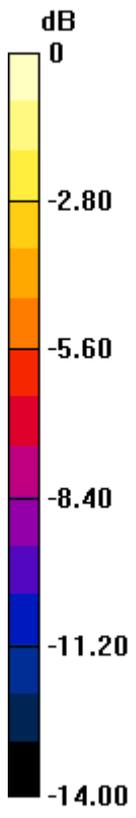
Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.287 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.405 W/kg

SAR(1 g) = 0.853 mW/g; SAR(10 g) = 0.526 mW/g

Maximum value of SAR (measured) = 1.203 mW/g



0 dB = 1.200mW/g

#85 GSM850_GPRS (2 Tx slots)_Left Side 1cm_Ch251

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.832 mW/g

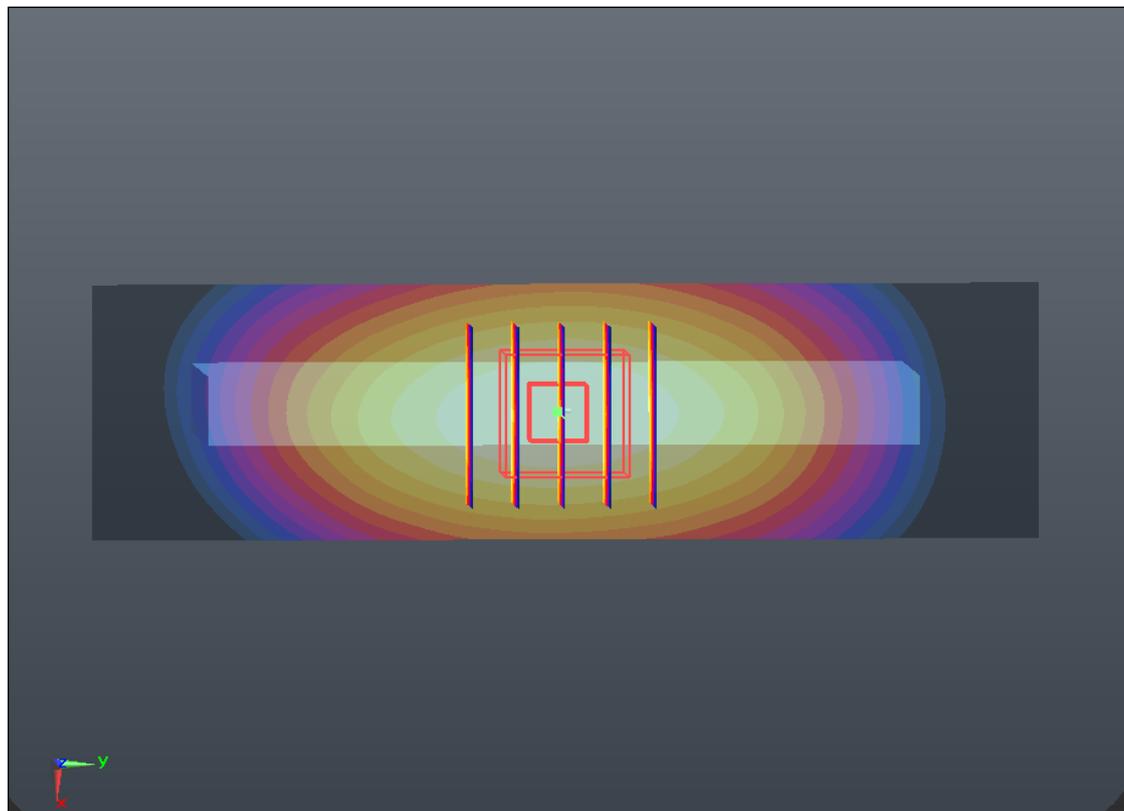
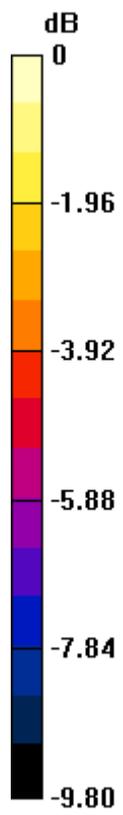
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.288 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.938 W/kg

SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.461 mW/g

Maximum value of SAR (measured) = 0.821 mW/g



0 dB = 0.820mW/g

#86 GSM850_GPRS (2 Tx slots)_Right Side 1cm_Ch251

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.955 mW/g

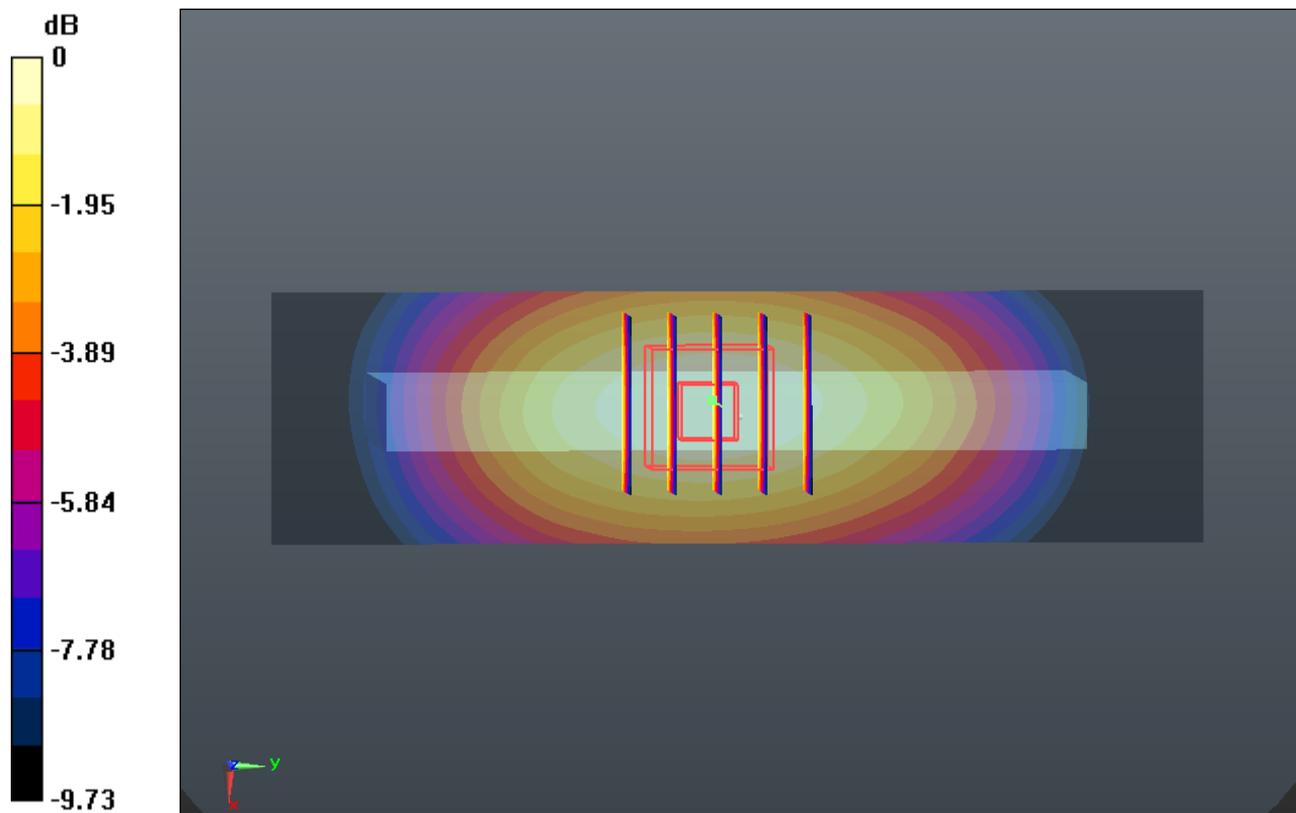
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.064 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.080 W/kg

SAR(1 g) = 0.775 mW/g; SAR(10 g) = 0.532 mW/g

Maximum value of SAR (measured) = 0.944 mW/g



#87 GSM850_GPRS (2 Tx slots)_Bottom Side 1cm_Ch251

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 848.8 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.252 mW/g

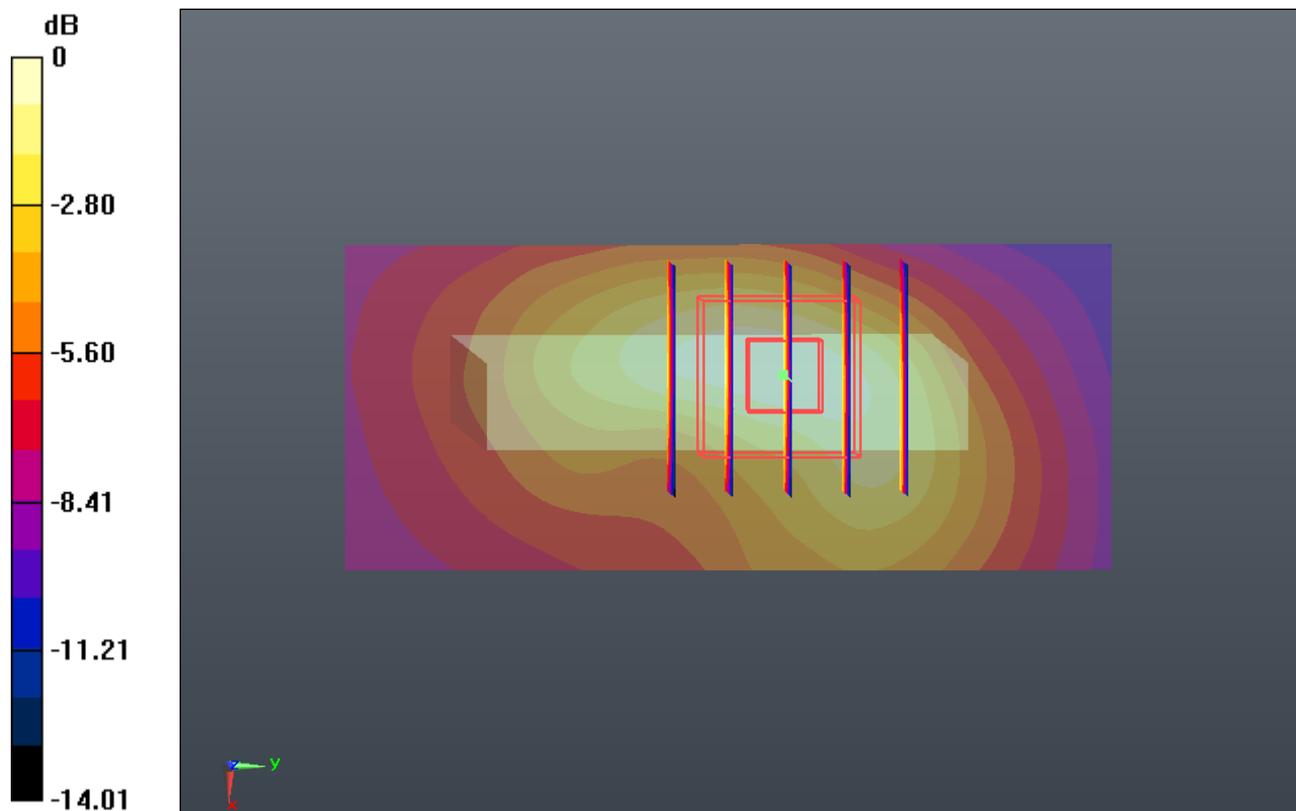
Ch251/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.853 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.303 W/kg

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.247 mW/g



0 dB = 0.250mW/g

#88 GSM850_GPRS (2 Tx slots)_Front 1cm_Ch128

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 824.6 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 825$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.939$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.053 mW/g

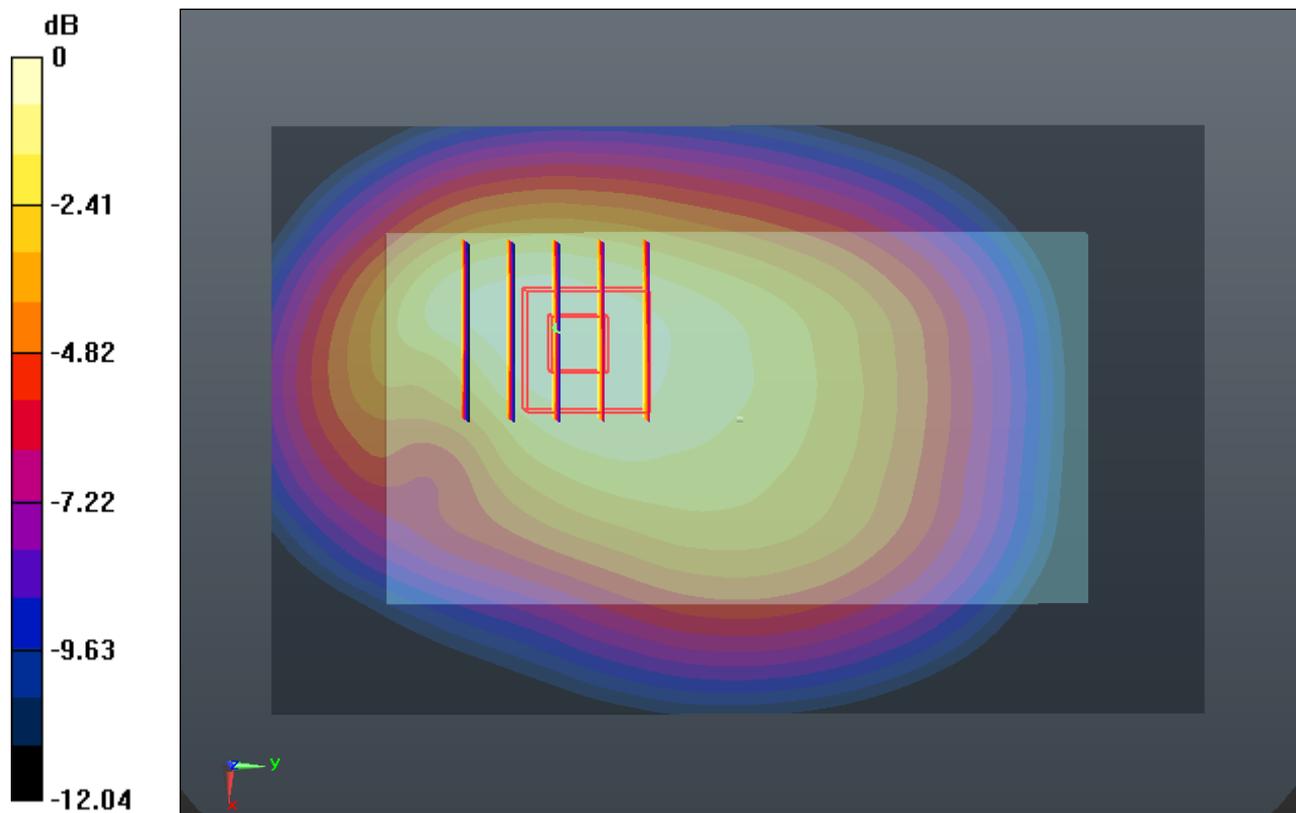
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.259 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.215 W/kg

SAR(1 g) = 0.858 mW/g; SAR(10 g) = 0.599 mW/g

Maximum value of SAR (measured) = 1.047 mW/g



0 dB = 1.050mW/g

#89 GSM850_GPRS (2 Tx slots)_Front 1cm_Ch189

DUT: 312303

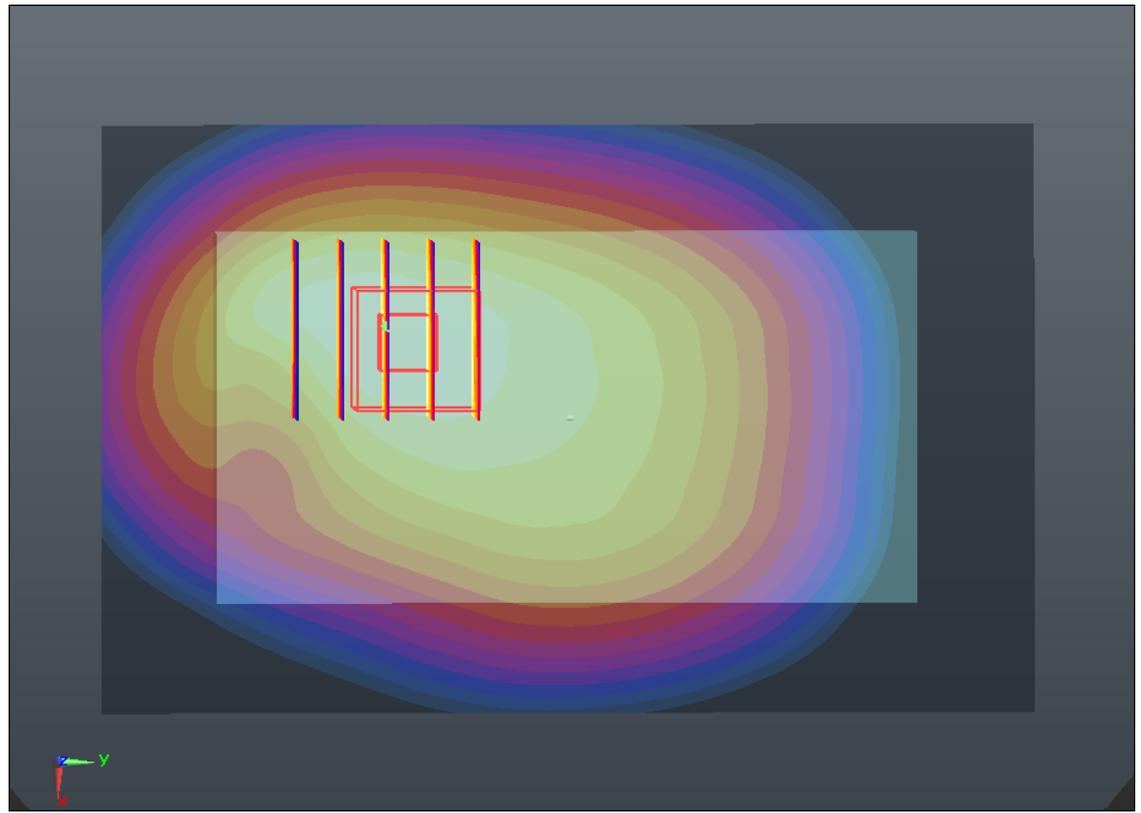
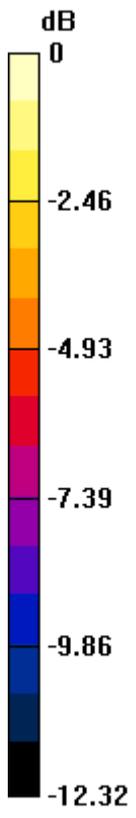
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.833$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.006 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 25.759 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.167 W/kg
SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.565 mW/g
Maximum value of SAR (measured) = 0.999 mW/g



0 dB = 1.000mW/g

#90 GSM850_GPRS (2 Tx slots)_Back 1cm_Ch128

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 824.6 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 825$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.939$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.340 mW/g

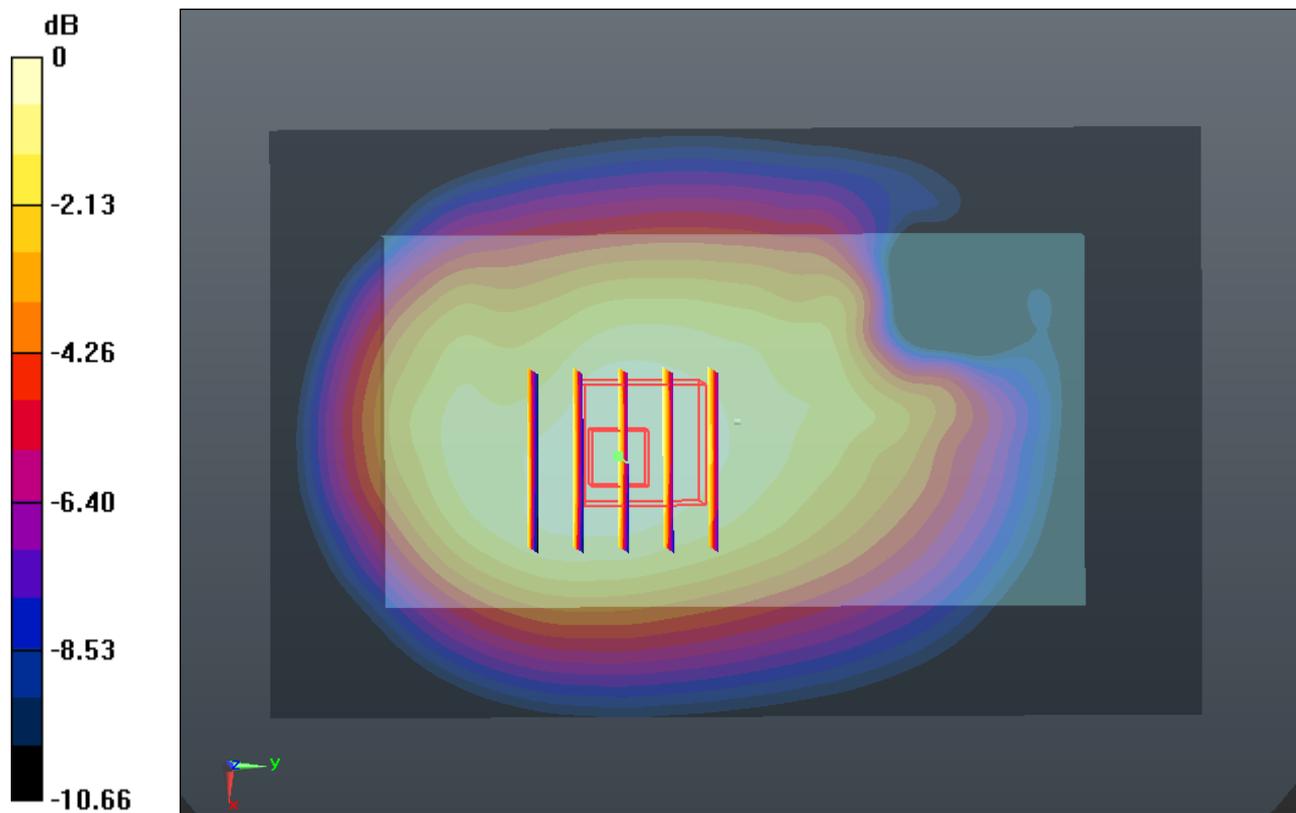
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.152 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.477 W/kg

SAR(1 g) = 1.120 mW/g; SAR(10 g) = 0.814 mW/g

Maximum value of SAR (measured) = 1.314 mW/g



0 dB = 1.310mW/g

#91 GSM850_GPRS (2 Tx slots)_Back 1cm_Ch189

DUT: 312303

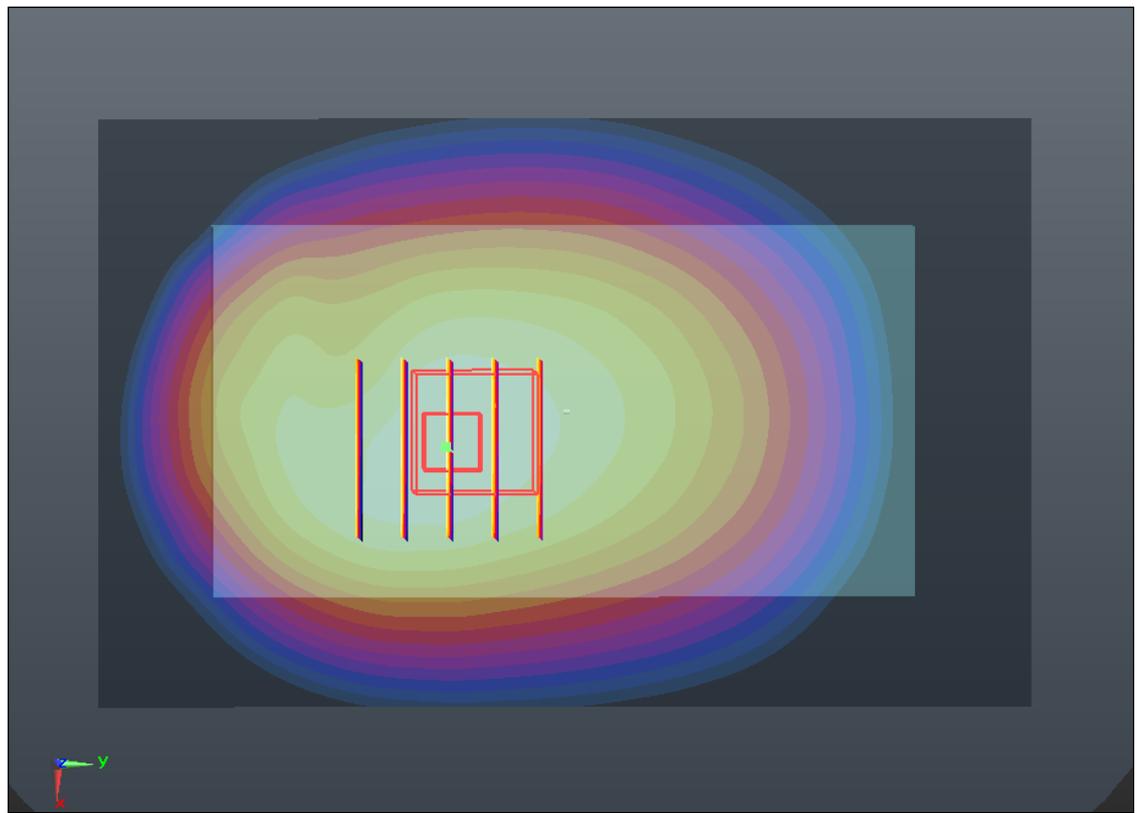
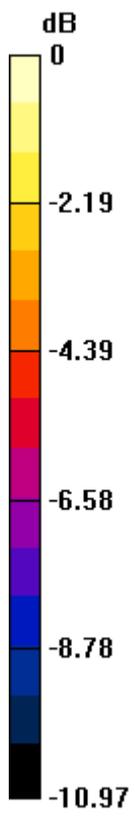
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.833$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.306 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 31.866 V/m; Power Drift = -0.031 dB
Peak SAR (extrapolated) = 1.443 W/kg
SAR(1 g) = 1.110 mW/g; SAR(10 g) = 0.810 mW/g
Maximum value of SAR (measured) = 1.304 mW/g



0 dB = 1.300mW/g

#92 GSM850_GPRS (2 Tx slots)_Right Side 1cm_C128

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 824.6 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 825$ MHz; $\sigma = 0.972$ mho/m; $\epsilon_r = 54.939$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch128/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.761 mW/g

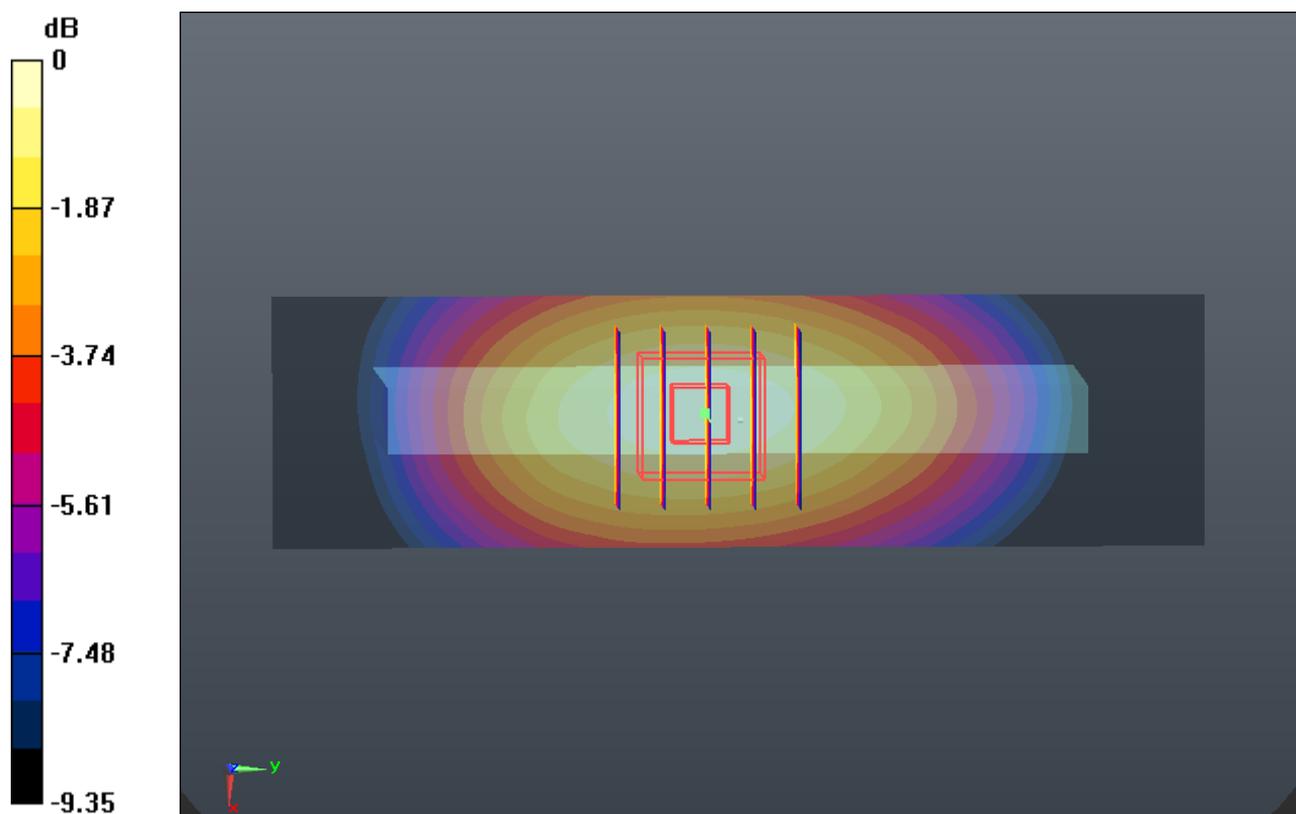
Ch128/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.516 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.900 W/kg

SAR(1 g) = 0.652 mW/g; SAR(10 g) = 0.454 mW/g

Maximum value of SAR (measured) = 0.792 mW/g



0 dB = 0.790mW/g

#93 GSM850_GPRS (2 Tx slots)_Right Side 1cm_C189

DUT: 312303

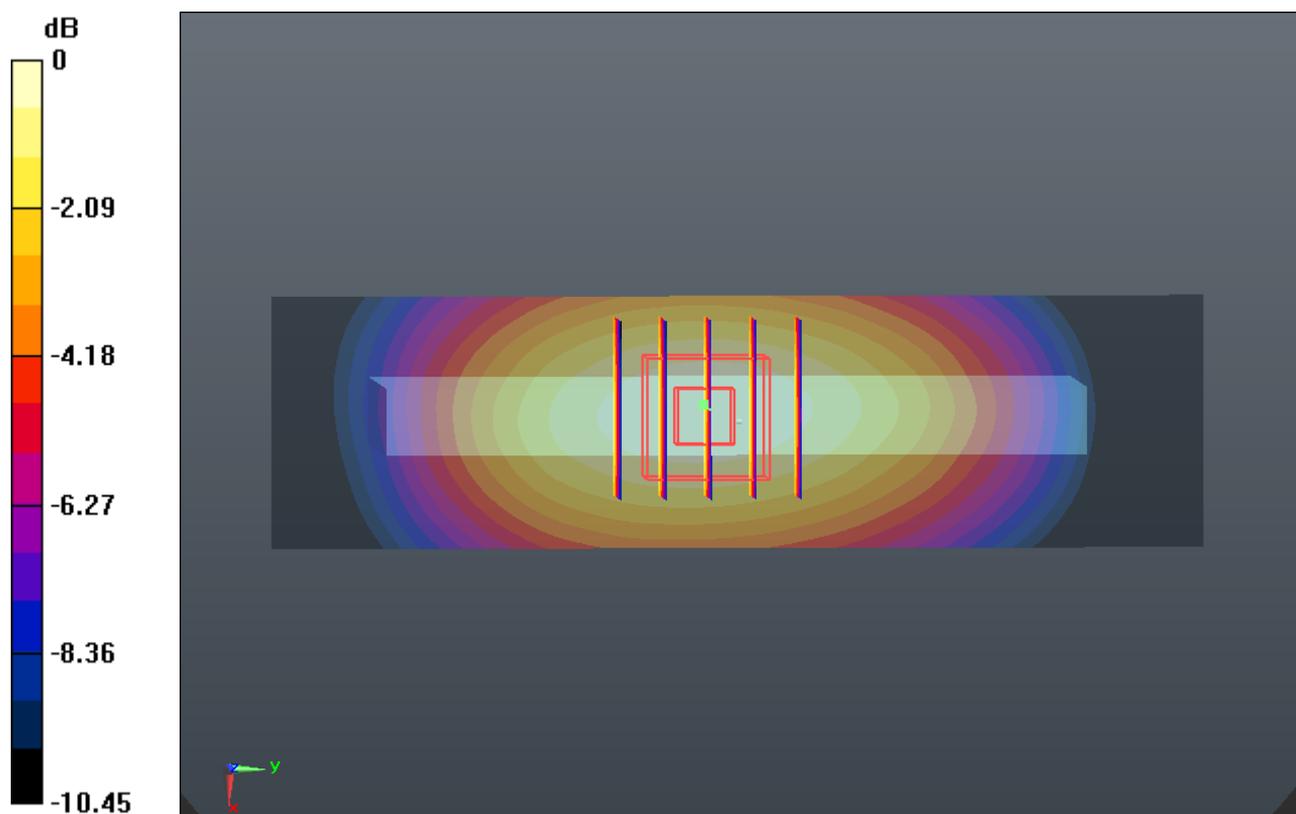
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 836.4 MHz; Duty Cycle: 1:4
Medium: MSL_835_130225 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.833$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch189/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.841 mW/g

Ch189/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.344 V/m; Power Drift = 0.07 dB
Peak SAR (extrapolated) = 0.976 W/kg
SAR(1 g) = 0.694 mW/g; SAR(10 g) = 0.482 mW/g
Maximum value of SAR (measured) = 0.849 mW/g



0 dB = 0.850mW/g

#94 GSM850_GSM_Back 1cm_Ch251

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 849$ MHz; $\sigma = 0.996$ mho/m; $\epsilon_r = 54.706$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch251/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.588 mW/g

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

Reference Value = 19.326 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.712 W/kg

SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.368 mW/g

Maximum value of SAR (measured) = 0.625 mW/g

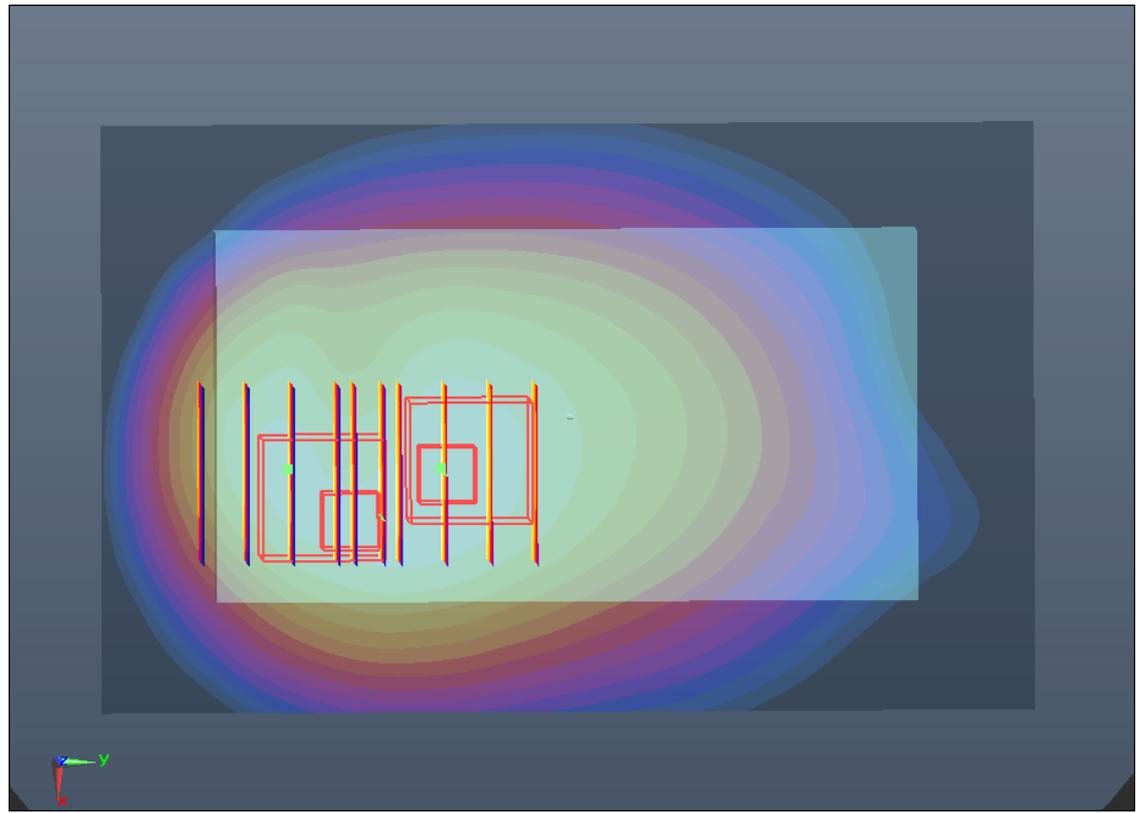
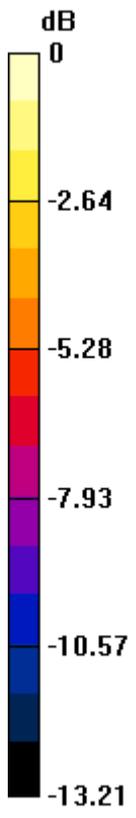
Ch251/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.326 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.583 mW/g



0 dB = 0.580mW/g

#95 GSM1900_GPRS (2 Tx slots)_Front 1cm_Ch810

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.057 mW/g

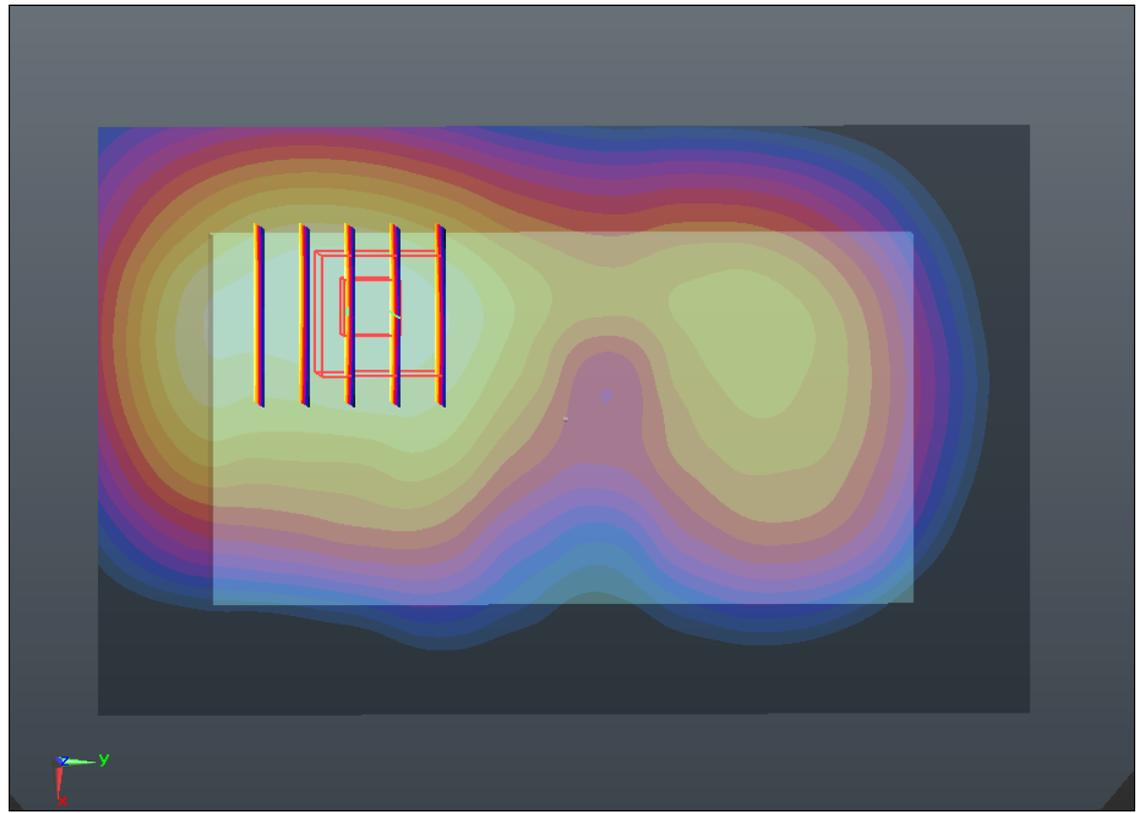
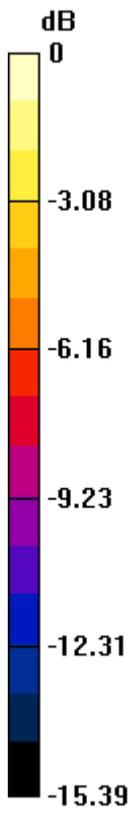
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.064 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.256 W/kg

SAR(1 g) = 0.780 mW/g; SAR(10 g) = 0.464 mW/g

Maximum value of SAR (measured) = 1.005 mW/g



0 dB = 1.000mW/g

#96 GSM1900_GPRS (2 Tx slots)_Back 1cm_Ch810

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.776 mW/g

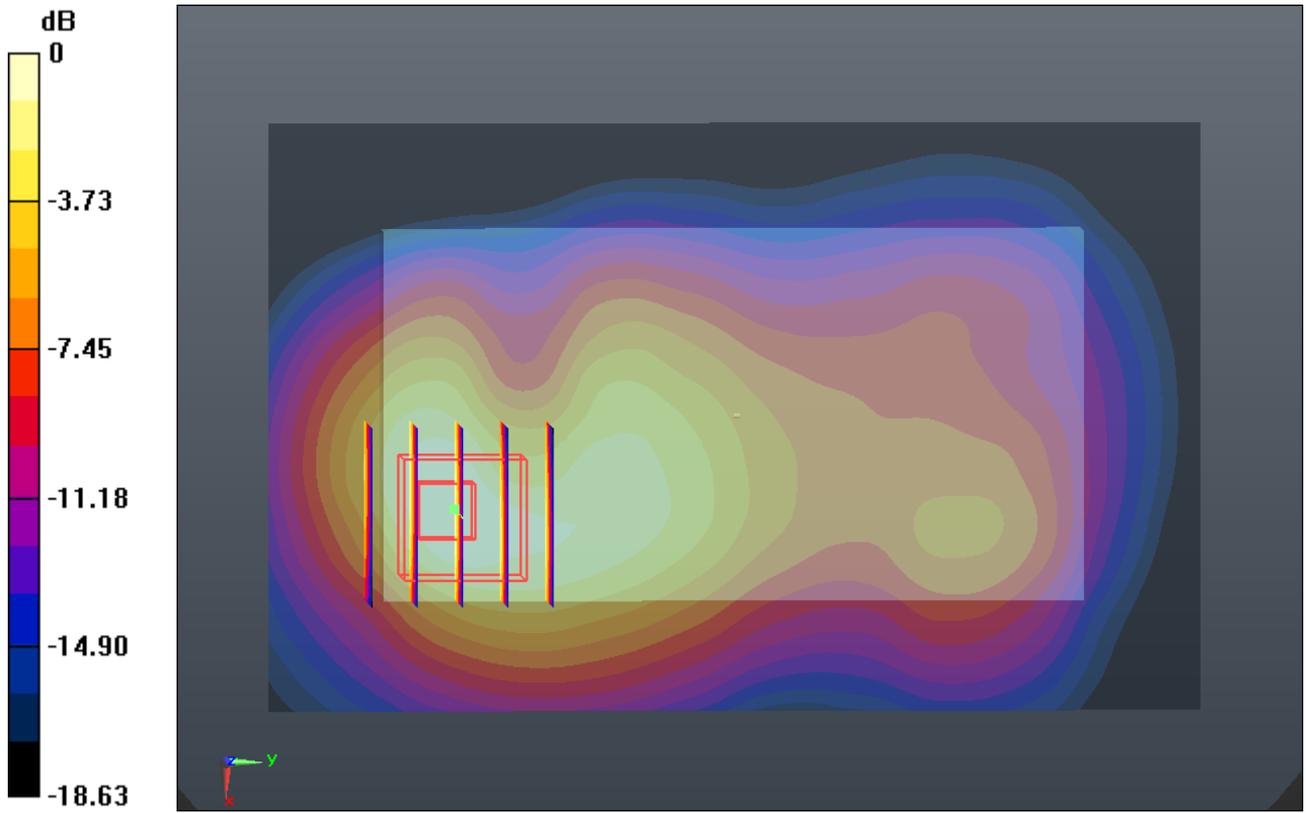
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.989 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 2.123 W/kg

SAR(1 g) = 1.250 mW/g; SAR(10 g) = 0.676 mW/g

Maximum value of SAR (measured) = 1.709 mW/g



0 dB = 1.710mW/g

#97 GSM1900_GPRS (2 Tx slots)_Back 1cm_Ch810_Repeat SAR

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.803 mW/g

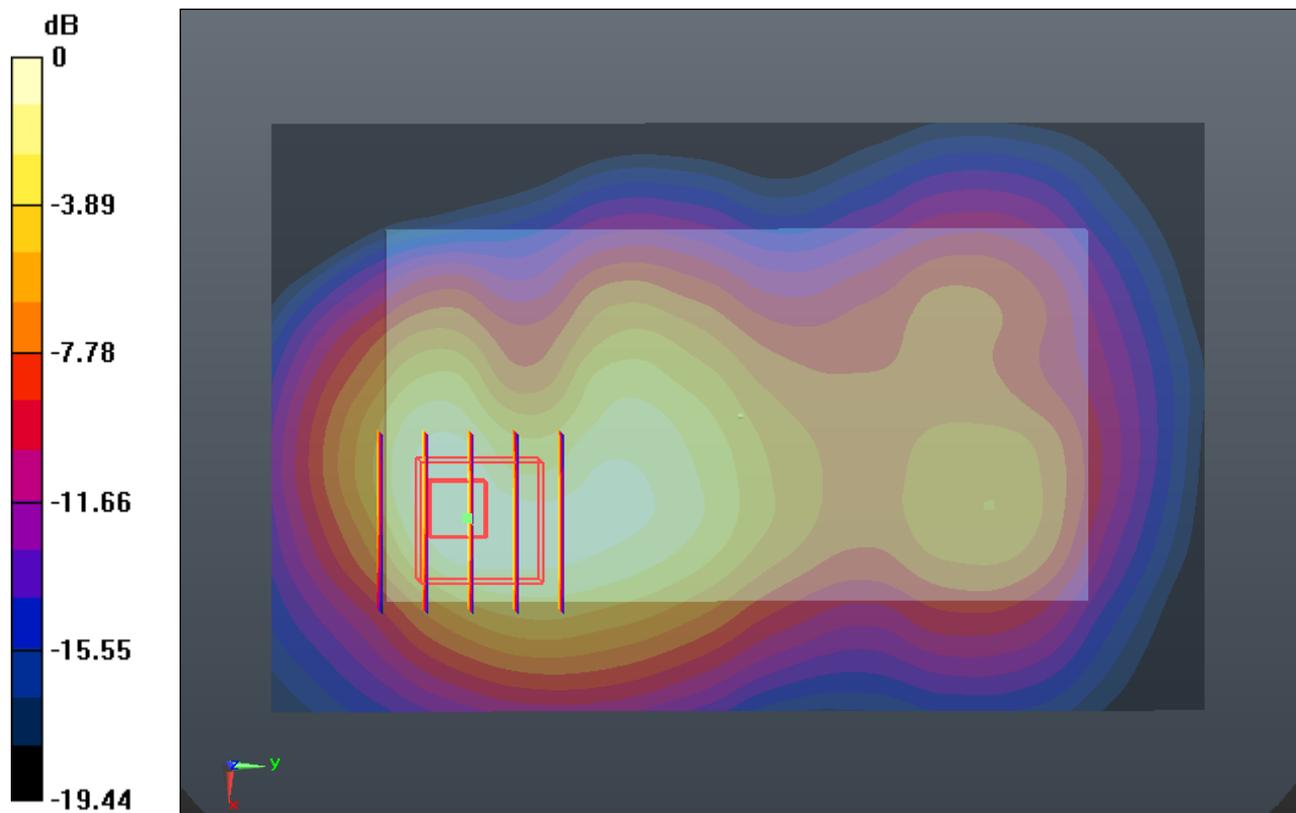
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.667 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 2.121 W/kg

SAR(1 g) = 1.230 mW/g; SAR(10 g) = 0.672 mW/g

Maximum value of SAR (measured) = 1.708 mW/g



0 dB = 1.710mW/g

#98 GSM1900_GPRS (2 Tx slots)_Left Side 1cm_Ch810

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.851 mW/g

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

Reference Value = 15.528 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.999 W/kg

SAR(1 g) = 0.626 mW/g; SAR(10 g) = 0.347 mW/g

Maximum value of SAR (measured) = 0.850 mW/g

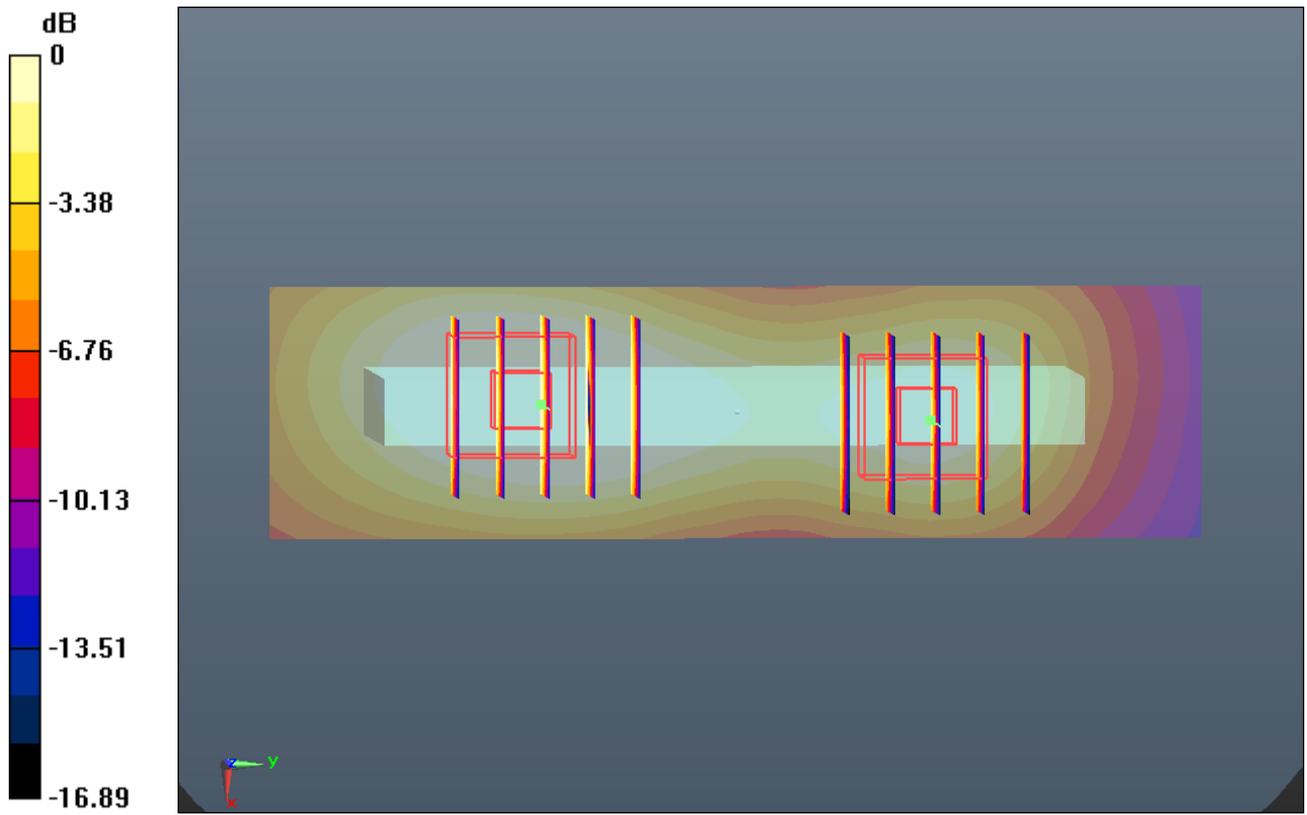
Ch810/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.528 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.666 W/kg

SAR(1 g) = 0.404 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.546 mW/g



0 dB = 0.550mW/g

#99 GSM1900_GPRS (2 Tx slots)_Right Side 1cm_Ch810

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (41x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.025 mW/g

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

Reference Value = 2.998 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.031 W/kg

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00945 mW/g

Maximum value of SAR (measured) = 0.026 mW/g

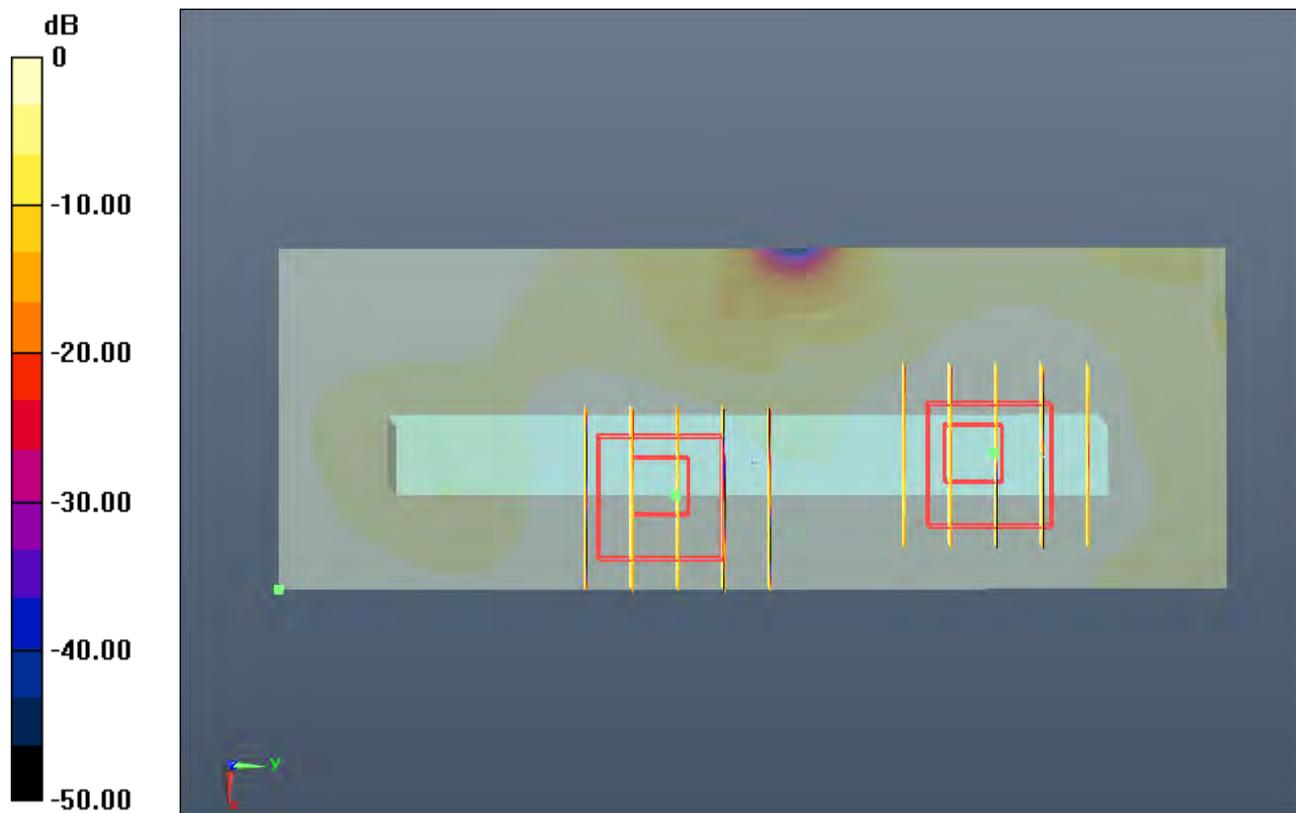
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.998 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.030 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00926 mW/g

Maximum value of SAR (measured) = 0.022 mW/g



0 dB = 0.020mW/g

#100 GSM1900_GPRS (2 Tx slots)_Bottom Side 1cm_Ch810

DUT: 312303

Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1909.8 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.060 mW/g

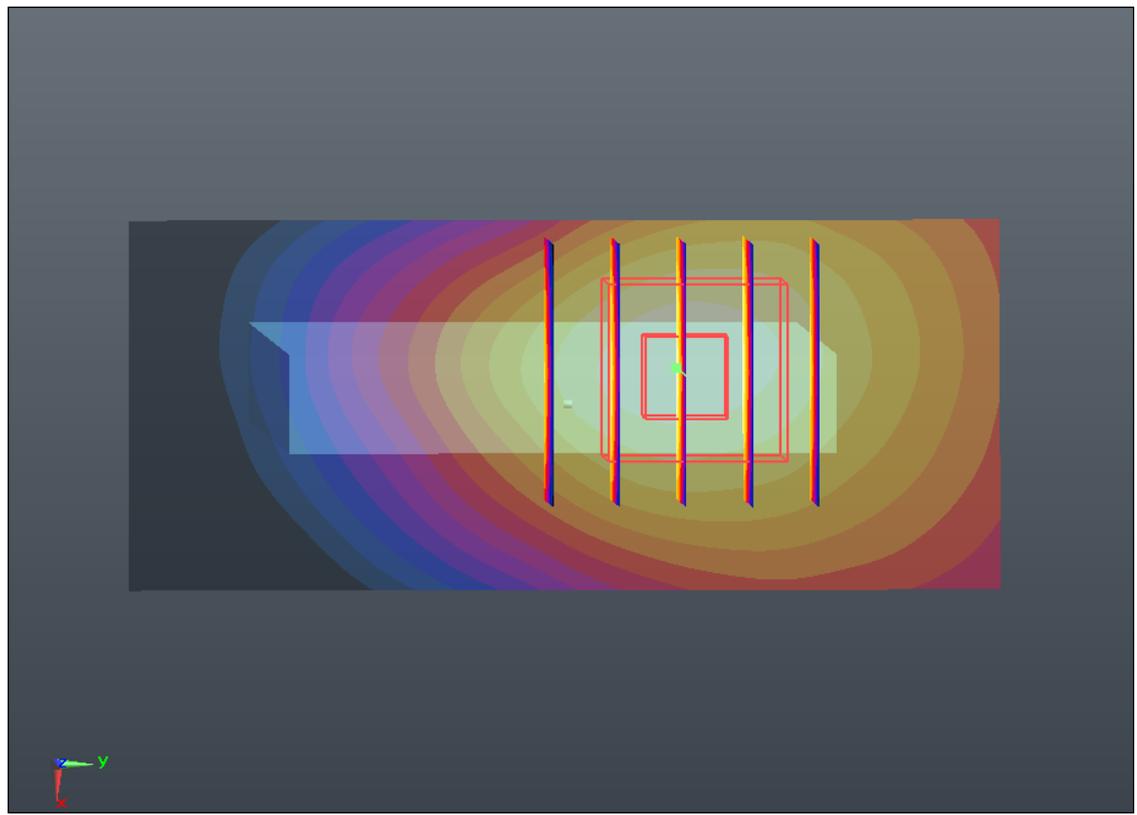
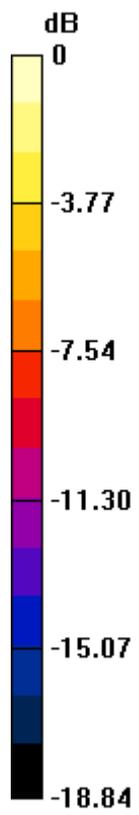
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.863 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.359 W/kg

SAR(1 g) = 0.792 mW/g; SAR(10 g) = 0.428 mW/g

Maximum value of SAR (measured) = 1.103 mW/g



0 dB = 1.100mW/g

#101 GSM1900_GPRS (2 Tx slots)_Front 1cm_Ch512

DUT: 312303

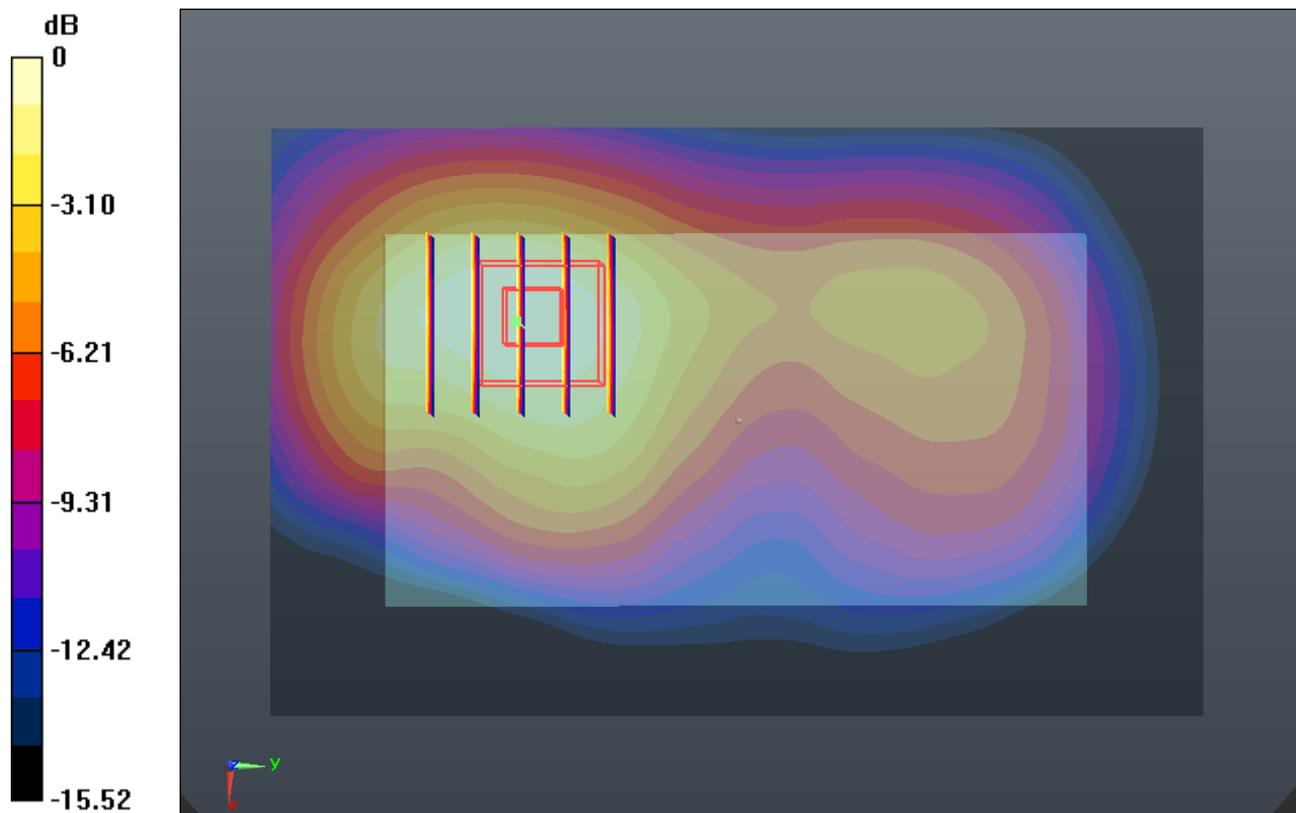
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1850.2 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 53.252$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.351 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.284 V/m; Power Drift = 0.1 dB
Peak SAR (extrapolated) = 1.562 W/kg
SAR(1 g) = 0.986 mW/g; SAR(10 g) = 0.587 mW/g
Maximum value of SAR (measured) = 1.275 mW/g



0 dB = 1.280mW/g

#102 GSM1900_GPRS (2 Tx slots)_Front 1cm_Ch661

DUT: 312303

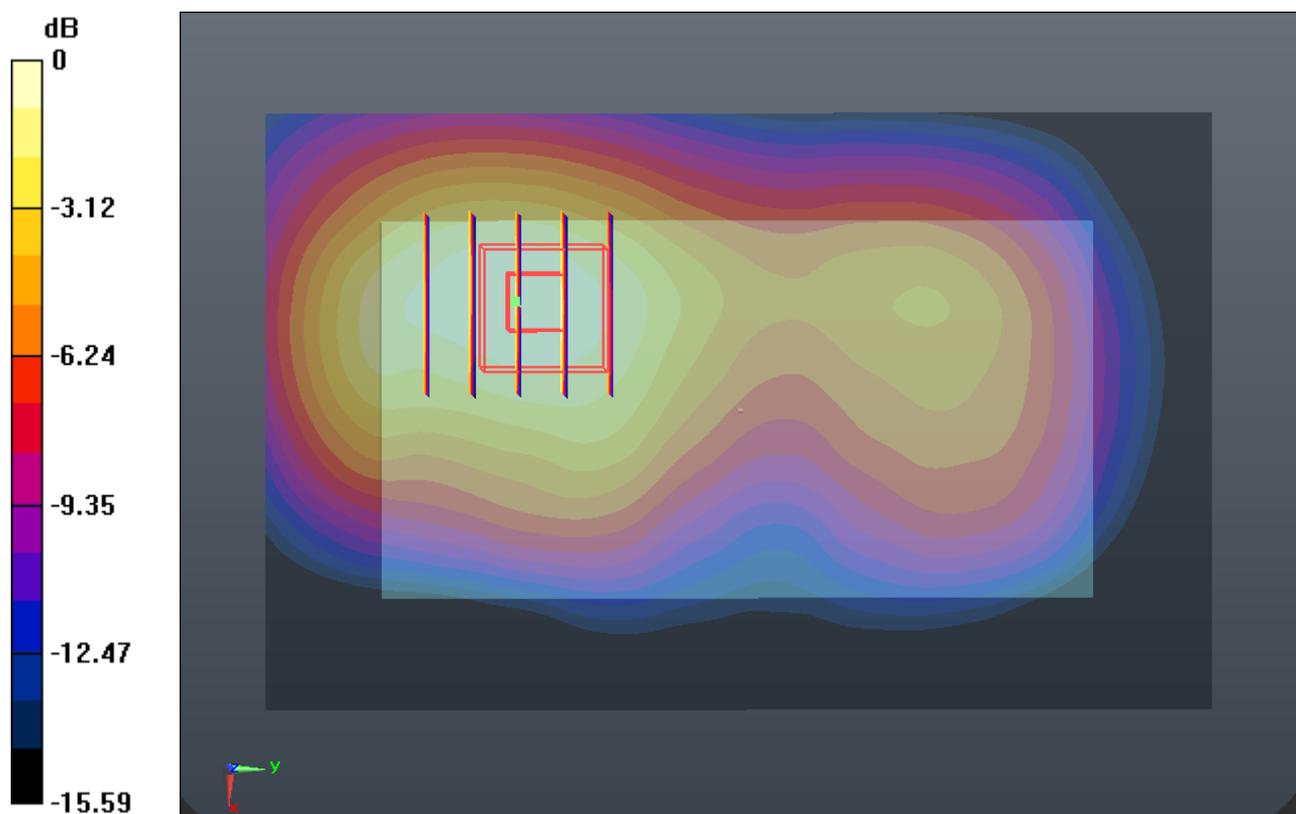
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 53.194$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.239 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.219 V/m; Power Drift = 0.12 dB
Peak SAR (extrapolated) = 1.466 W/kg
SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.541 mW/g
Maximum value of SAR (measured) = 1.193 mW/g



0 dB = 1.190mW/g

#103 GSM1900_GPRS (2 Tx slots)_Back 1cm_Ch512

DUT: 312303

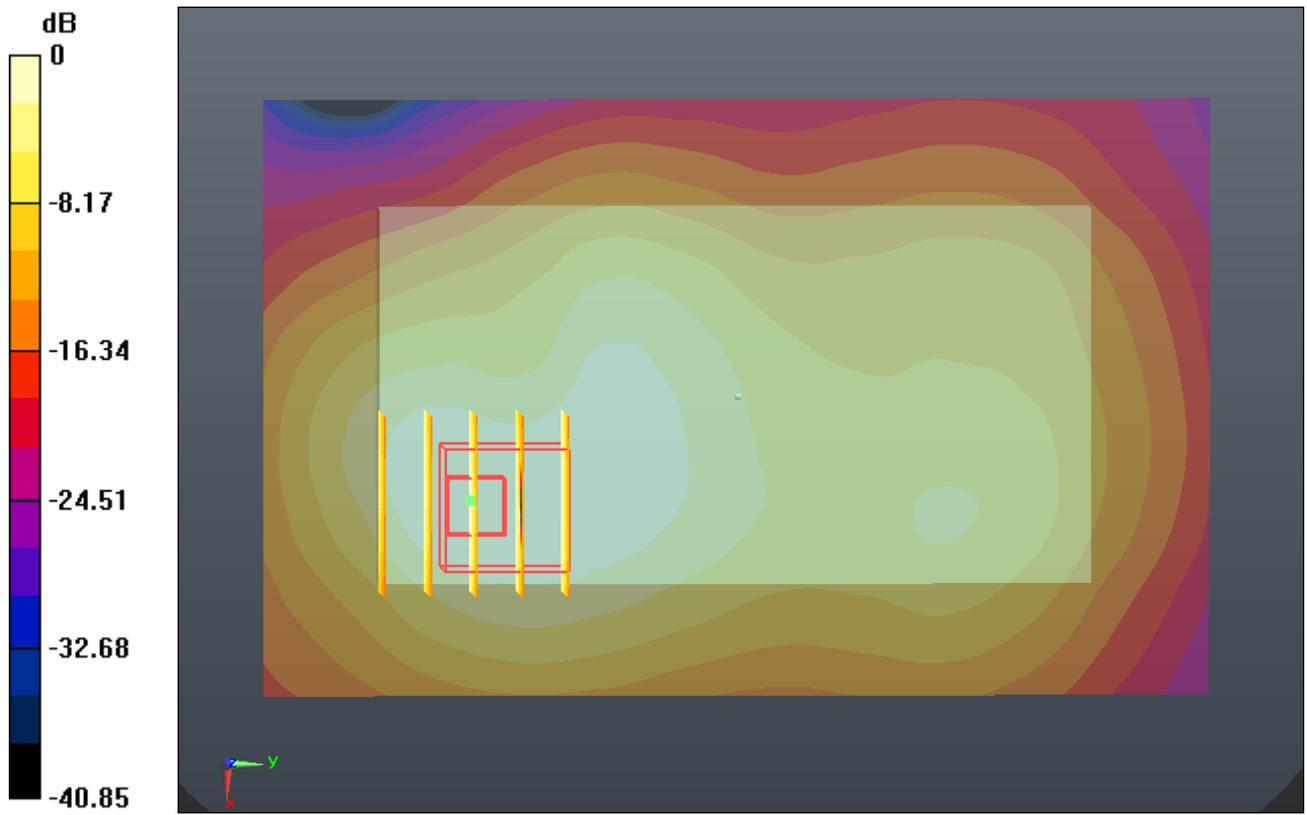
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1850.2 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 53.252$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.600 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.608 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 1.839 W/kg
SAR(1 g) = 1.120 mW/g; SAR(10 g) = 0.648 mW/g
Maximum value of SAR (measured) = 1.506 mW/g



0 dB = 1.510mW/g

#104 GSM1900_GPRS (2 Tx slots)_Back 1cm_Ch661

DUT: 312303

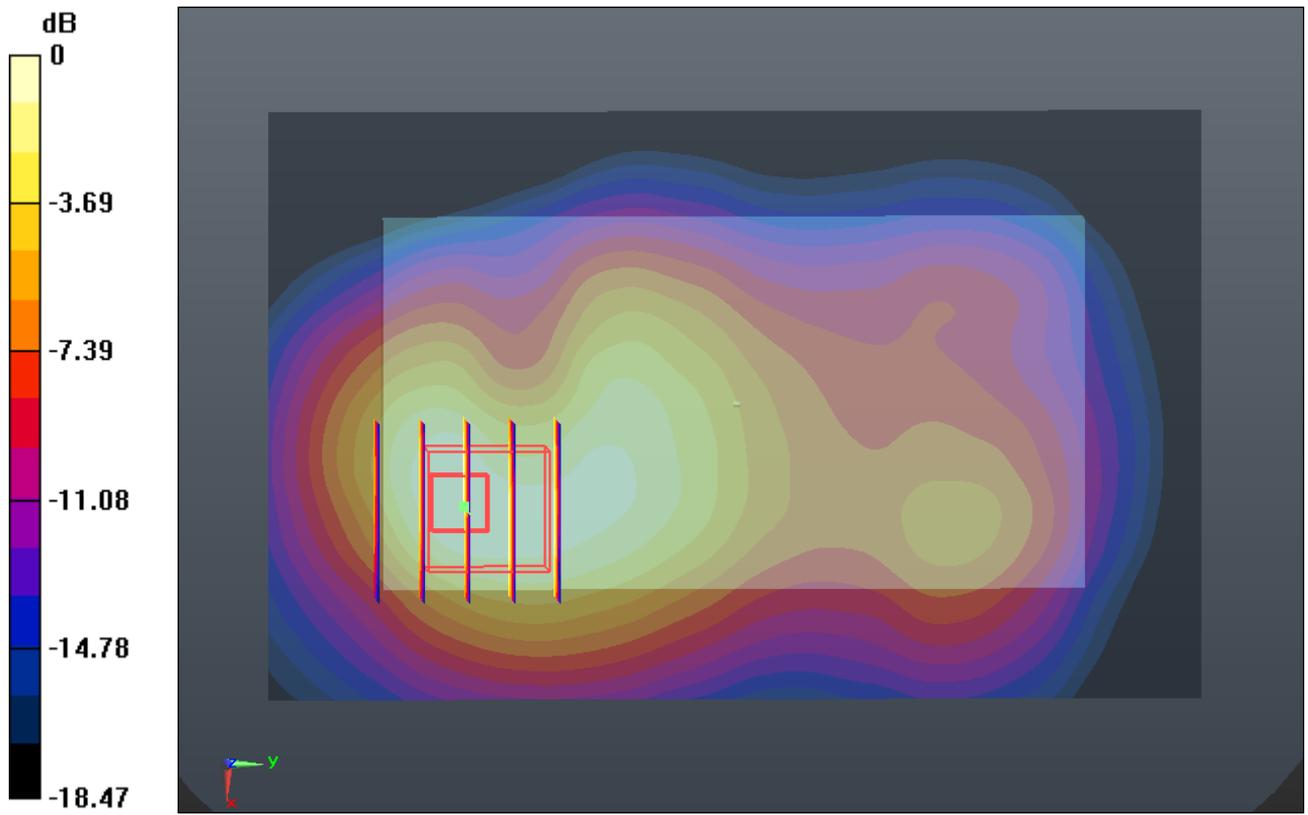
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 53.194$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.732 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.760 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 2.017 W/kg
SAR(1 g) = 1.210 mW/g; SAR(10 g) = 0.685 mW/g
Maximum value of SAR (measured) = 1.658 mW/g



0 dB = 1.660mW/g

#105 GSM1900_GPRS (2 Tx slots)_Bottom Side 1cm_Ch512

DUT: 312303

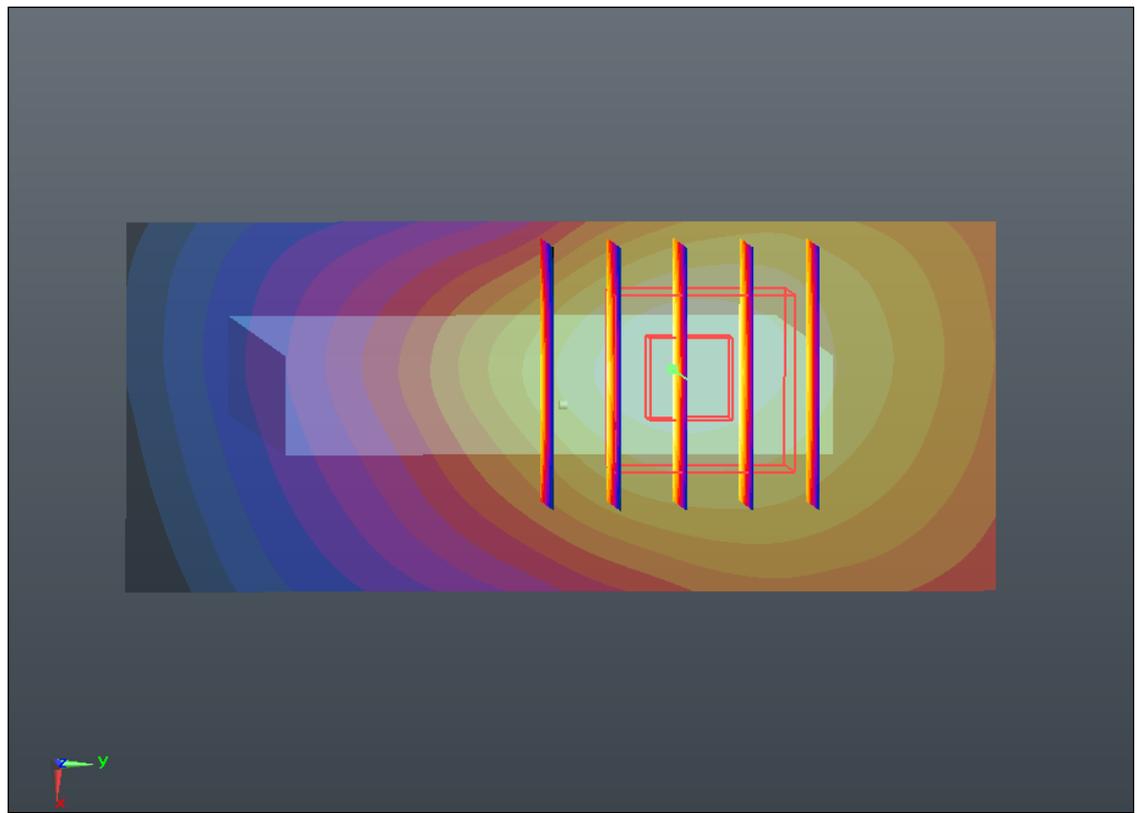
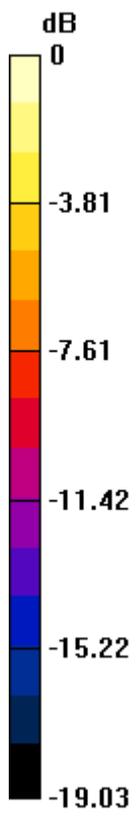
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1850.2 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1850.2$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 53.252$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch512/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.909 mW/g

Ch512/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.803 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.112 W/kg
SAR(1 g) = 0.668 mW/g; SAR(10 g) = 0.368 mW/g
Maximum value of SAR (measured) = 0.914 mW/g



0 dB = 0.910mW/g

#106 GSM1900_GPRS (2 Tx slots)_Bottom Side 1cm_Ch661

DUT: 312303

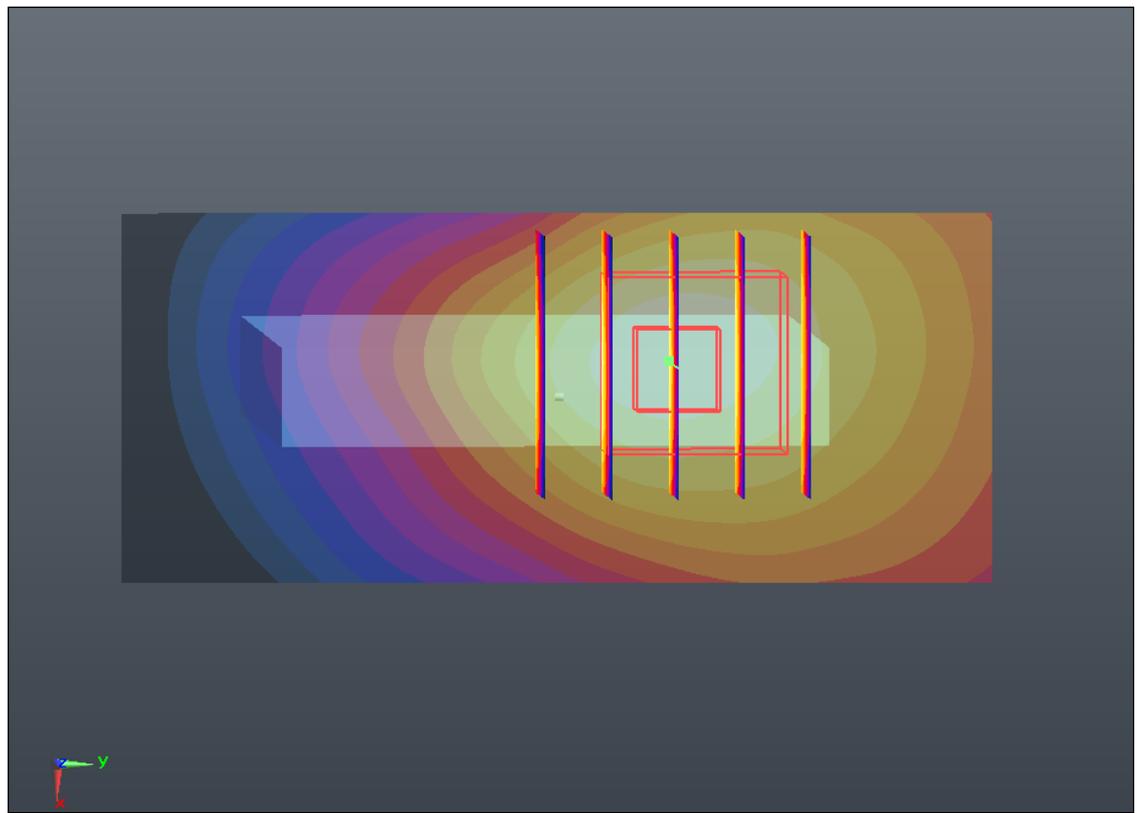
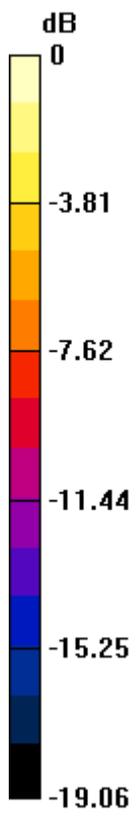
Communication System: GPRS/EDGE (2 Tx slots); Frequency: 1880 MHz; Duty Cycle: 1:4
Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r = 53.194$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch661/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.985 mW/g

Ch661/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.330 V/m; Power Drift = 0.16 dB
Peak SAR (extrapolated) = 1.239 W/kg
SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.398 mW/g
Maximum value of SAR (measured) = 1.006 mW/g



0 dB = 1.010mW/g

#107 GSM1900_GSM_Back 1cm_Ch810

DUT: 312303

Communication System: General GSM; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: MSL_1900_130228 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.56$ mho/m; $\epsilon_r = 53.11$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch810/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.912 mW/g

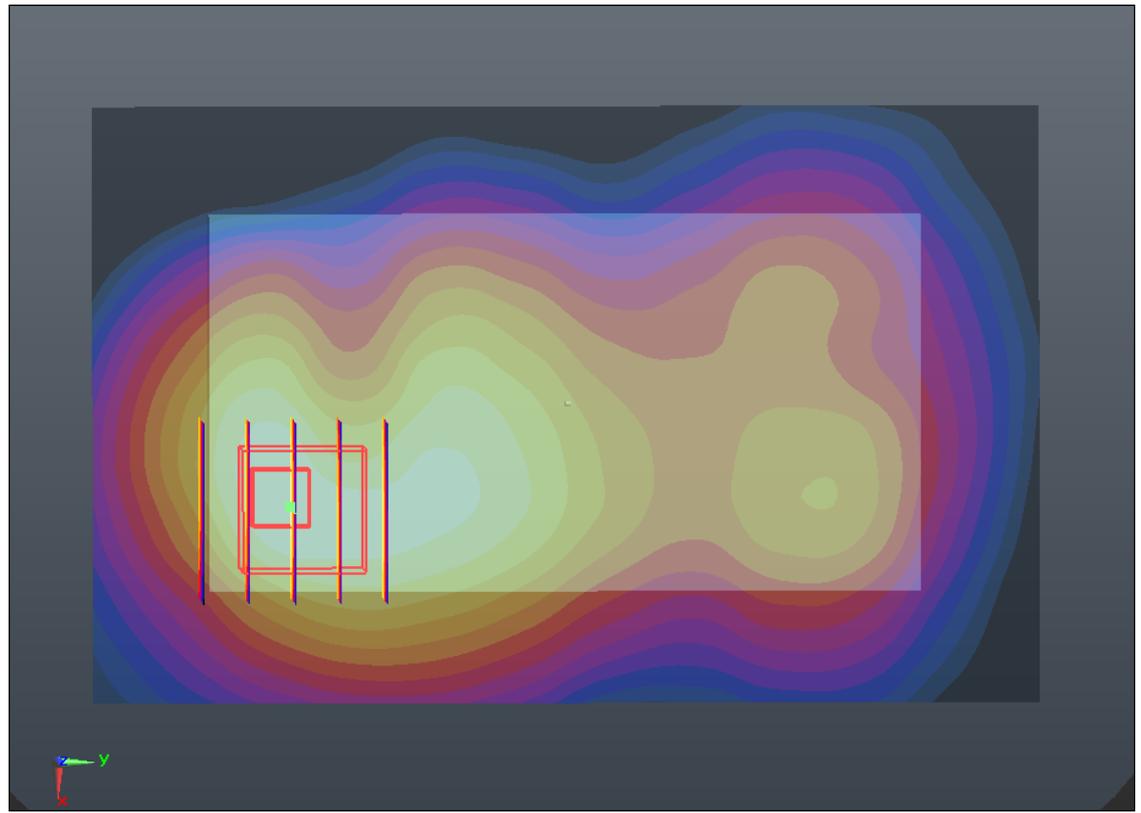
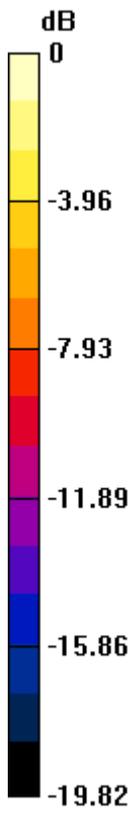
Ch810/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.490 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.076 W/kg

SAR(1 g) = 0.622 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.866 mW/g



0 dB = 0.870mW/g

#108 WCDMA Band V_RMC12.2K_Front 1cm_Ch4233

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 847$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 54.73$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.799 mW/g

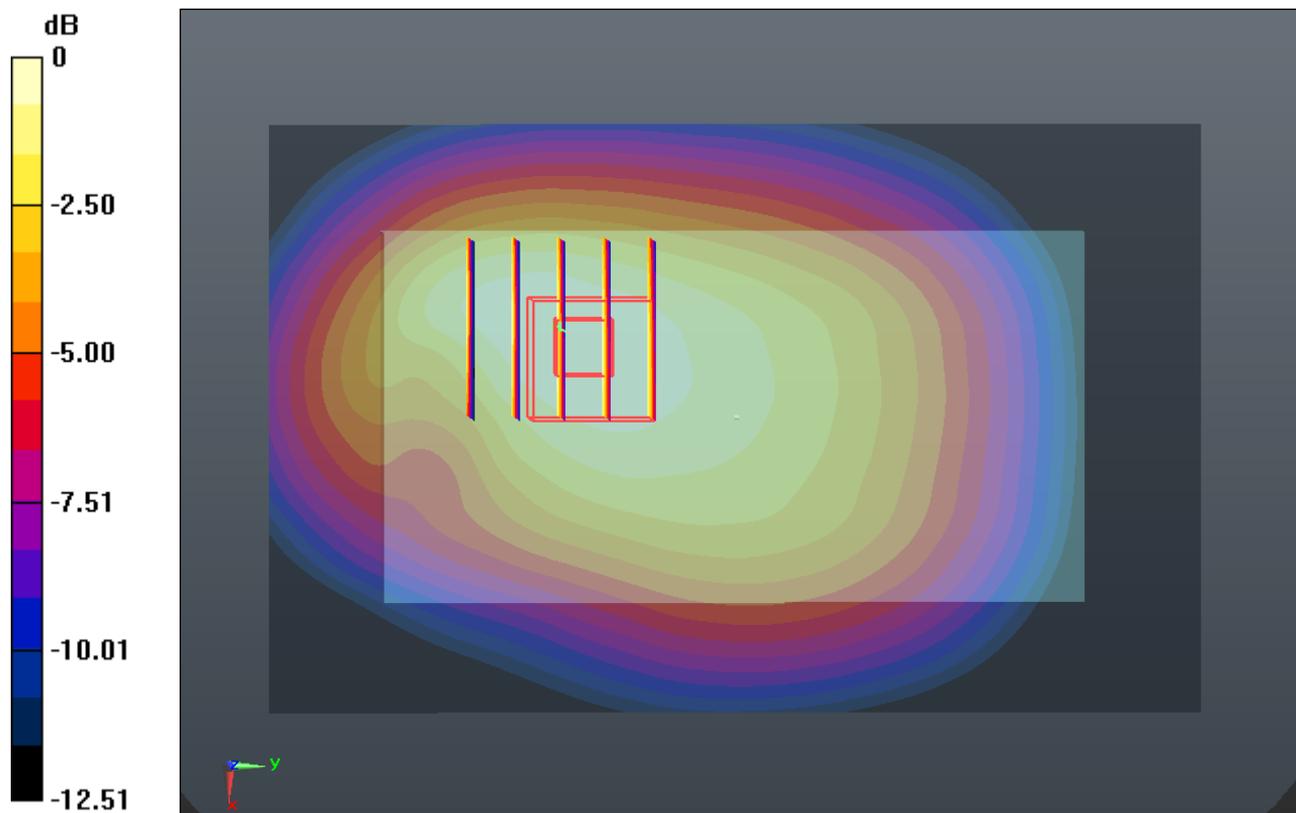
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.983 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.923 W/kg

SAR(1 g) = 0.649 mW/g; SAR(10 g) = 0.449 mW/g

Maximum value of SAR (measured) = 0.794 mW/g



0 dB = 0.790mW/g

#109 WCDMA Band V_RMC12.2K_Back 1cm_Ch4233

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 847$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 54.73$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.080 mW/g

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

Reference Value = 28.960 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.126 W/kg

SAR(1 g) = 0.864 mW/g; SAR(10 g) = 0.635 mW/g

Maximum value of SAR (measured) = 1.016 mW/g

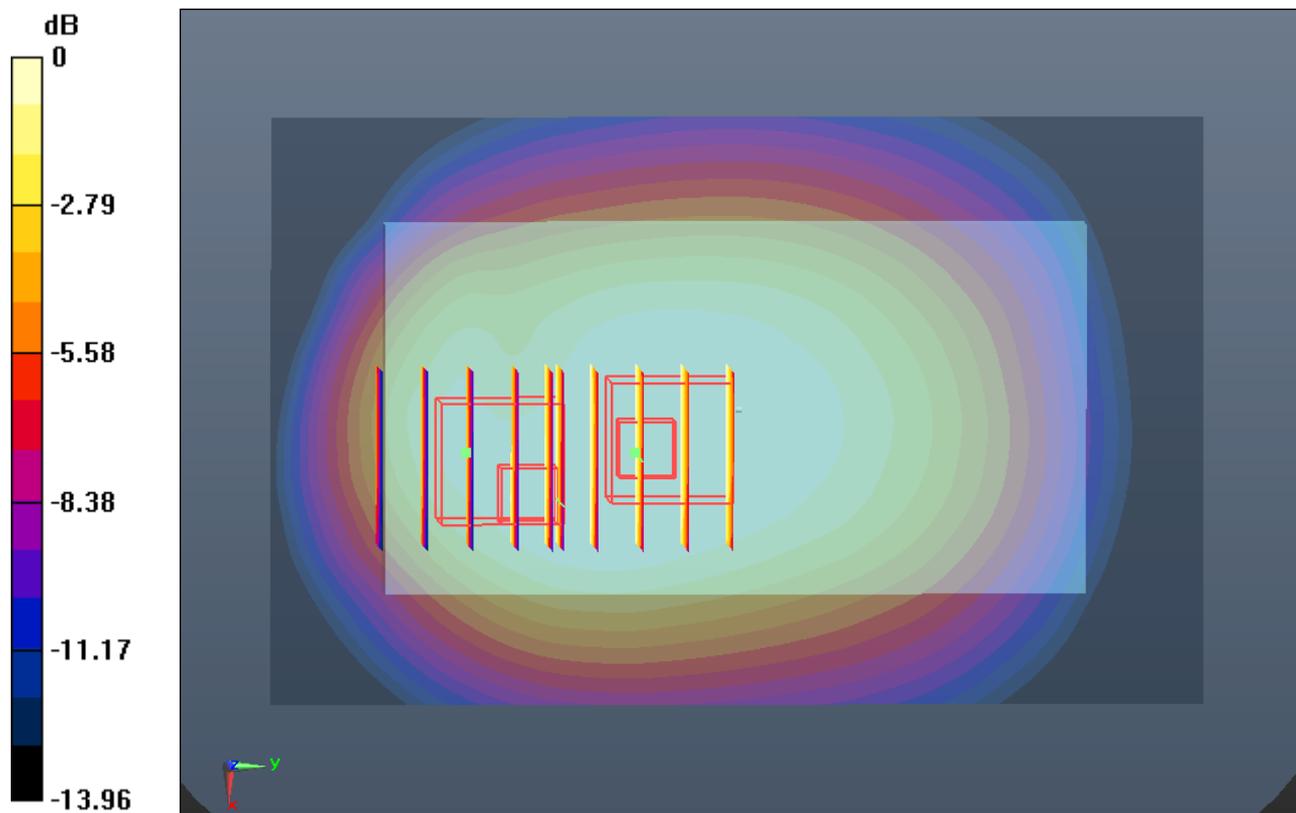
Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.960 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.016 W/kg

SAR(1 g) = 0.607 mW/g; SAR(10 g) = 0.377 mW/g

Maximum value of SAR (measured) = 0.870 mW/g



#110 WCDMA Band V_RMC12.2K_Back 1cm_Ch4233_Repeat SAR

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 847$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 54.73$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.984 mW/g

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

Reference Value = 26.912 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.123 W/kg

SAR(1 g) = 0.837 mW/g; SAR(10 g) = 0.605 mW/g

Maximum value of SAR (measured) = 0.988 mW/g

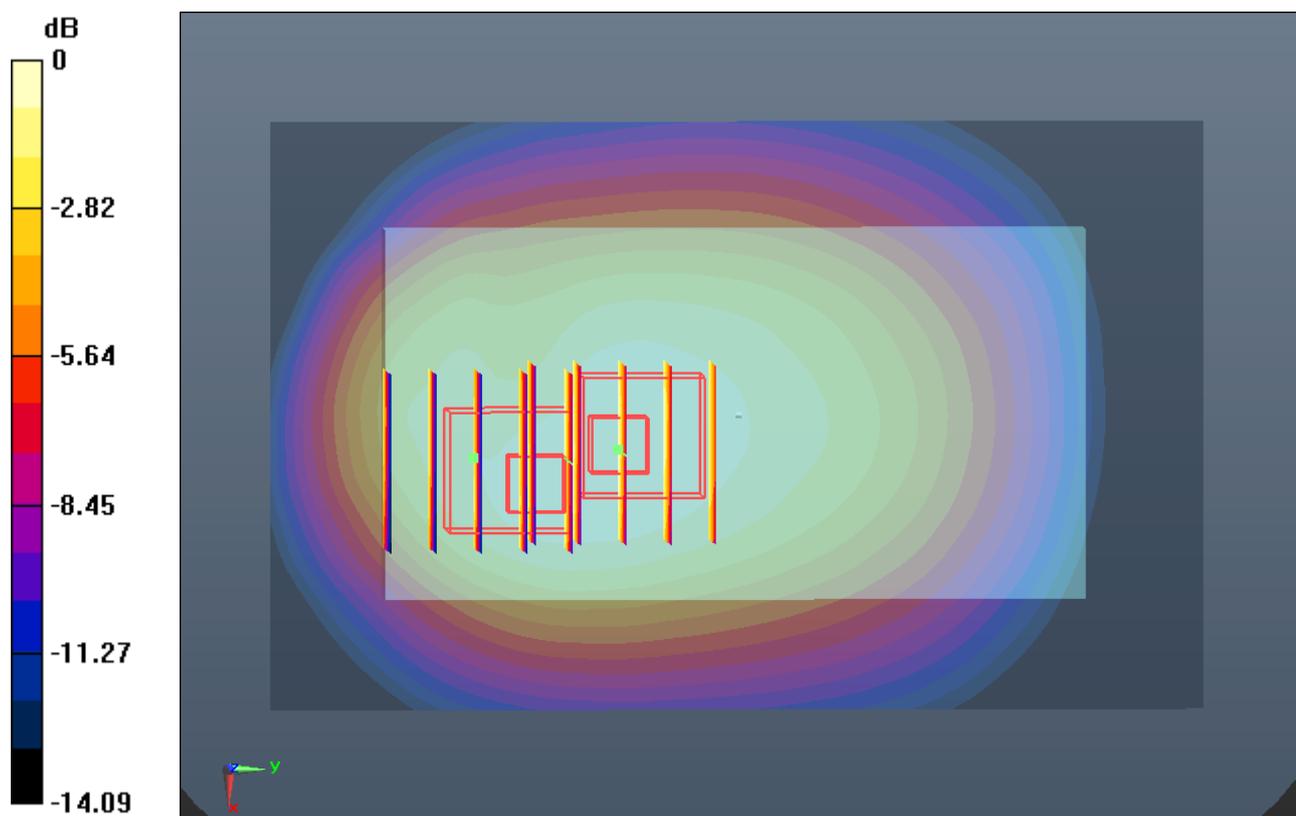
Ch4233/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.912 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.103 W/kg

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 0.952 mW/g



0 dB = 0.950mW/g

#111 WCDMA Band V_RMC12.2K_Left Side 1cm_Ch4233

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 847$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 54.73$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.646 mW/g

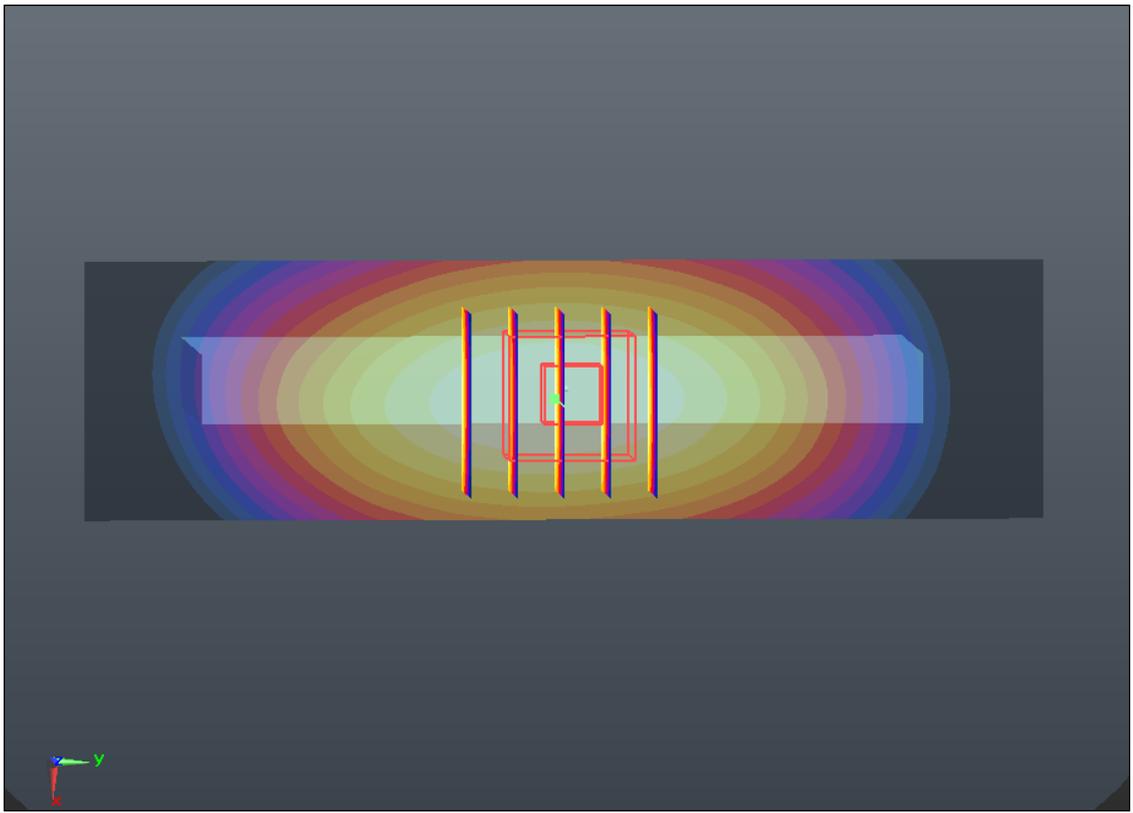
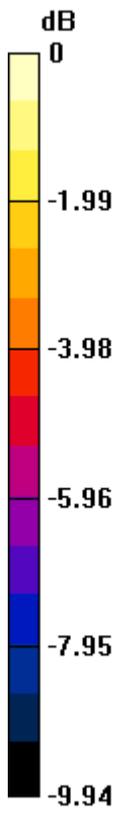
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.760 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.724 W/kg

SAR(1 g) = 0.520 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.633 mW/g



0 dB = 0.630mW/g

#112 WCDMA Band V_RMC12.2K_Right Side 1cm_Ch4233

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 847$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 54.73$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.615 mW/g

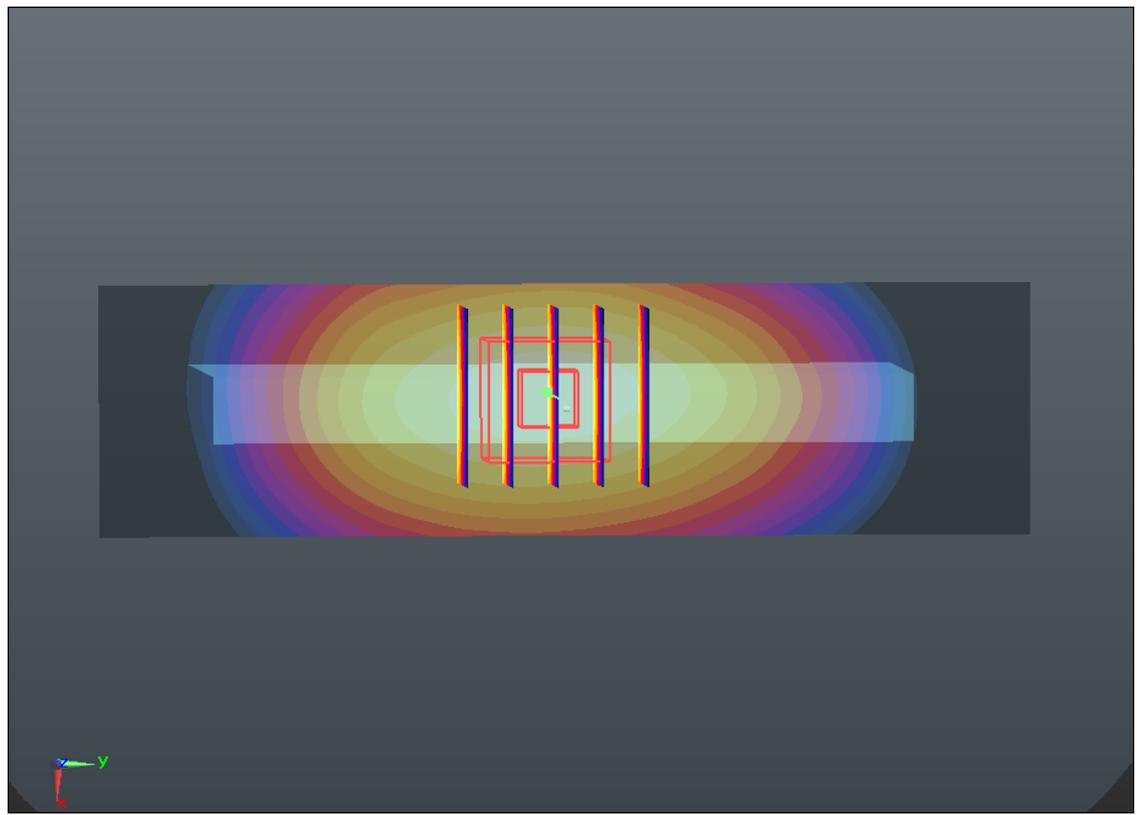
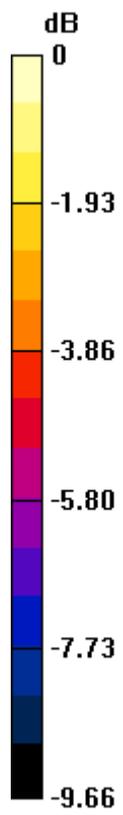
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.570 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.362 mW/g

Maximum value of SAR (measured) = 0.643 mW/g



0 dB = 0.640mW/g

#113 WCDMA Band V_RMC12.2K_Bottom Side 1cm_Ch4233

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 847$ MHz; $\sigma = 0.994$ mho/m; $\epsilon_r = 54.73$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4233/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.166 mW/g

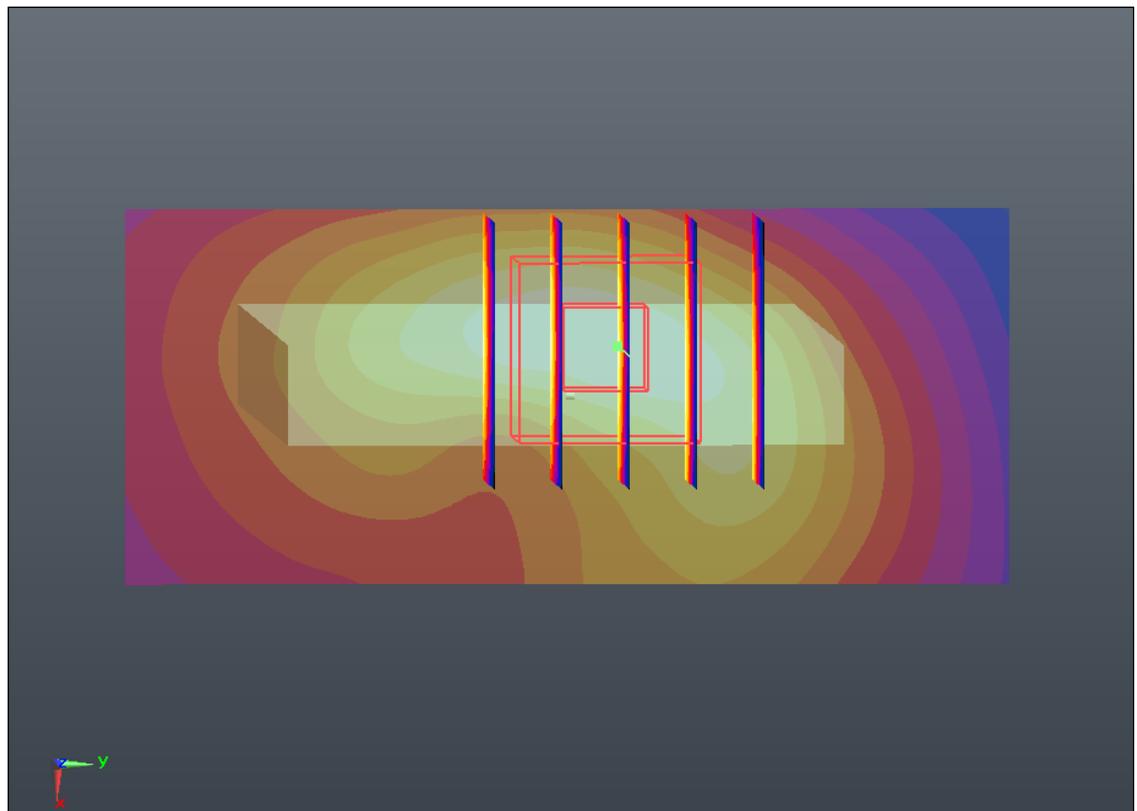
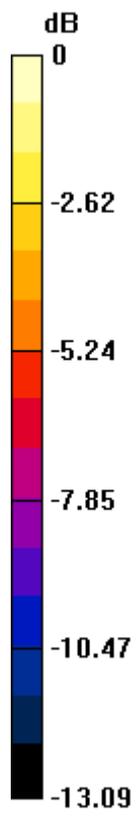
Ch4233/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.352 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.071 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.160mW/g

#114 WCDMA Band V_RMC12.2K_Back 1cm_Ch4132

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 826.4$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r =$

54.926 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4132/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.846 mW/g

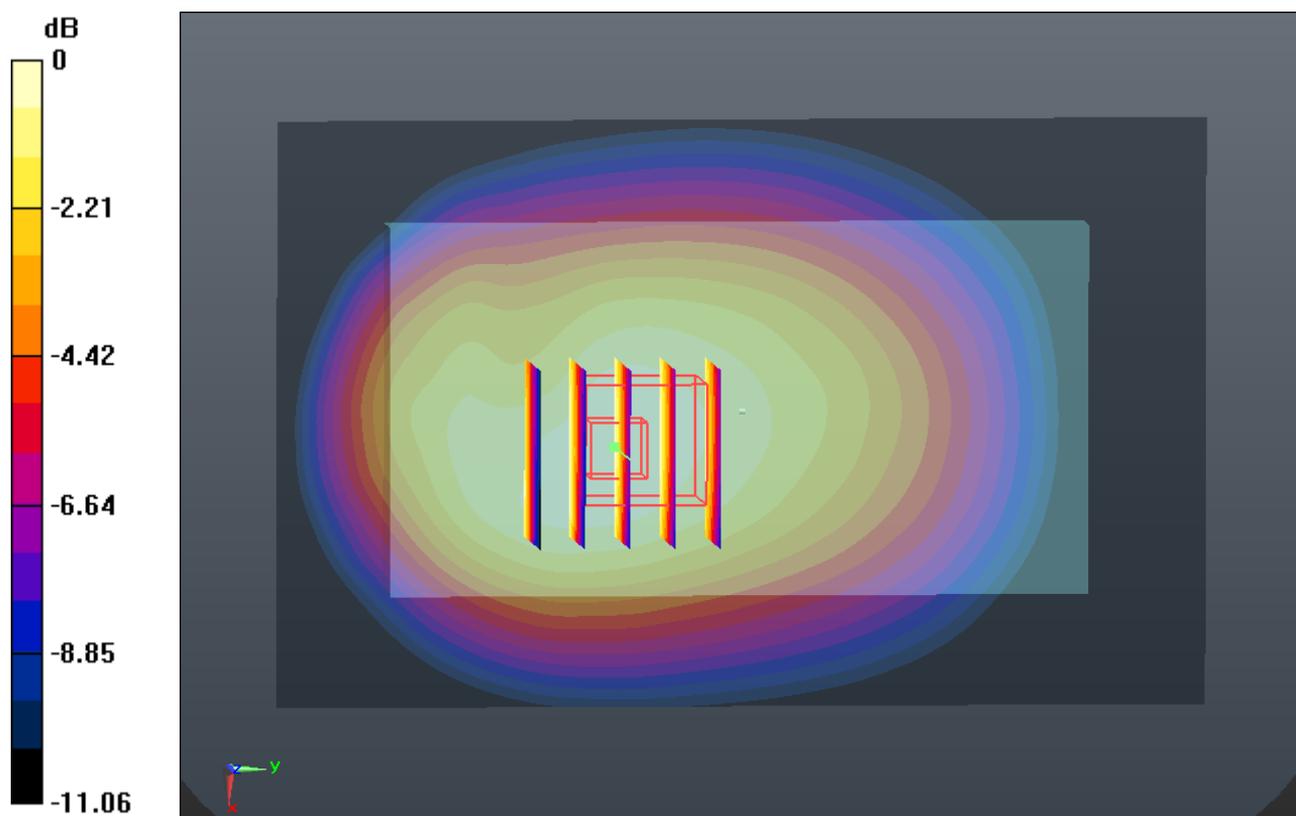
Ch4132/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.057 V/m; Power Drift = 0.0077 dB

Peak SAR (extrapolated) = 0.972 W/kg

SAR(1 g) = 0.718 mW/g; SAR(10 g) = 0.519 mW/g

Maximum value of SAR (measured) = 0.853 mW/g



0 dB = 0.850mW/g

#115 WCDMA Band V_RMC12.2K_Back 1cm_Ch4182

DUT: 312303

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

Medium: MSL_835_130225 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.833 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch4182/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.774 mW/g

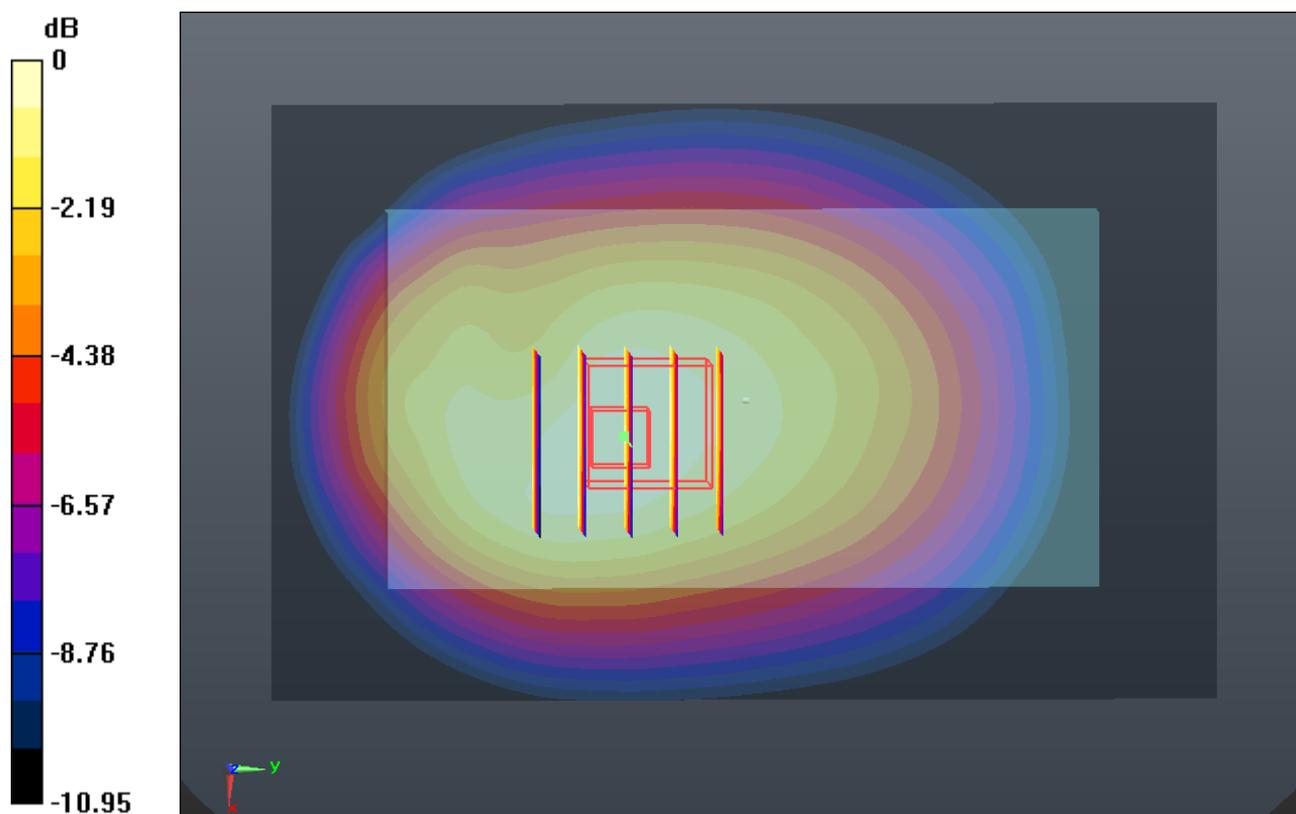
Ch4182/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.110 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.885 W/kg

SAR(1 g) = 0.661 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 0.776 mW/g



0 dB = 0.780mW/g

#116 WCDMA Band II_RMC12.2K_Front 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.142 mW/g

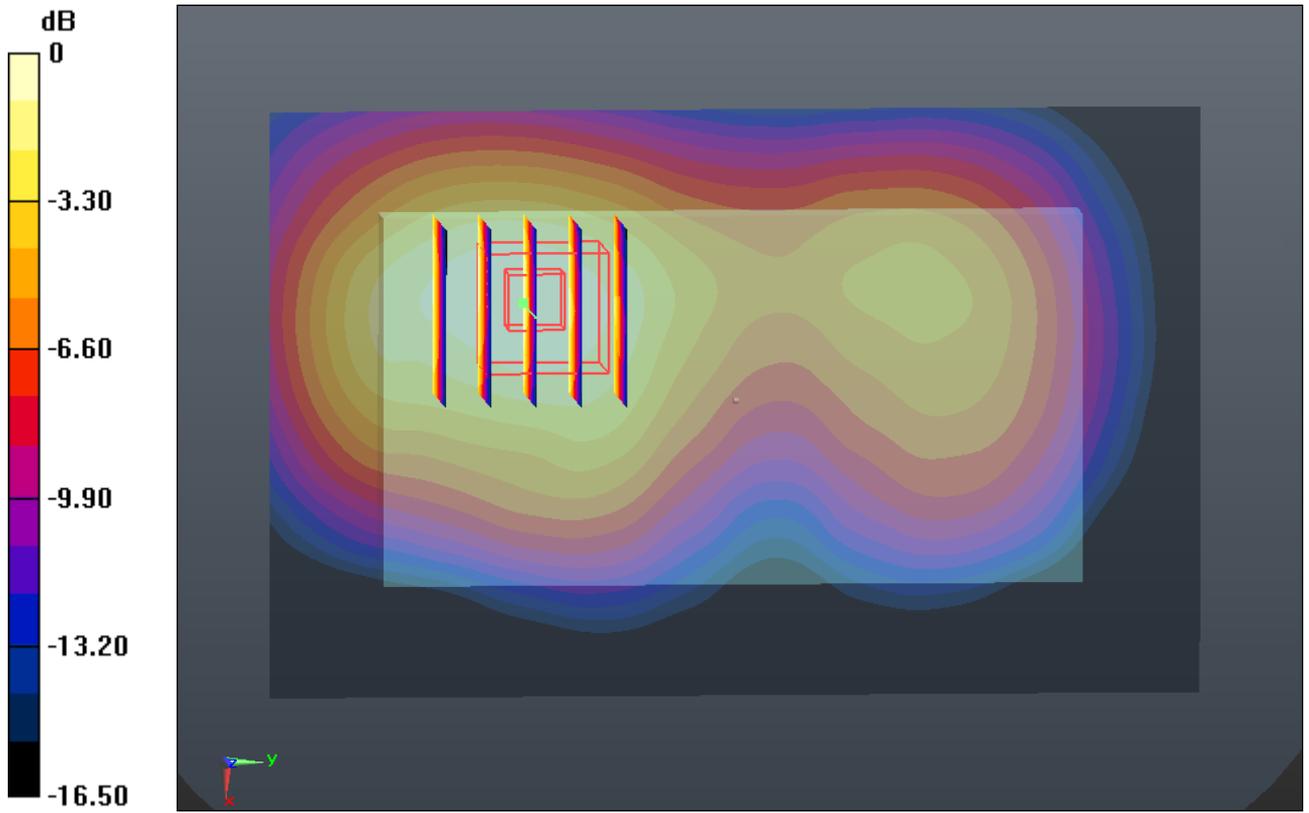
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.055 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.357 W/kg

SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.485 mW/g

Maximum value of SAR (measured) = 1.099 mW/g



0 dB = 1.100mW/g

#117 WCDMA Band II_RMC12.2K_Back 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.829 mW/g

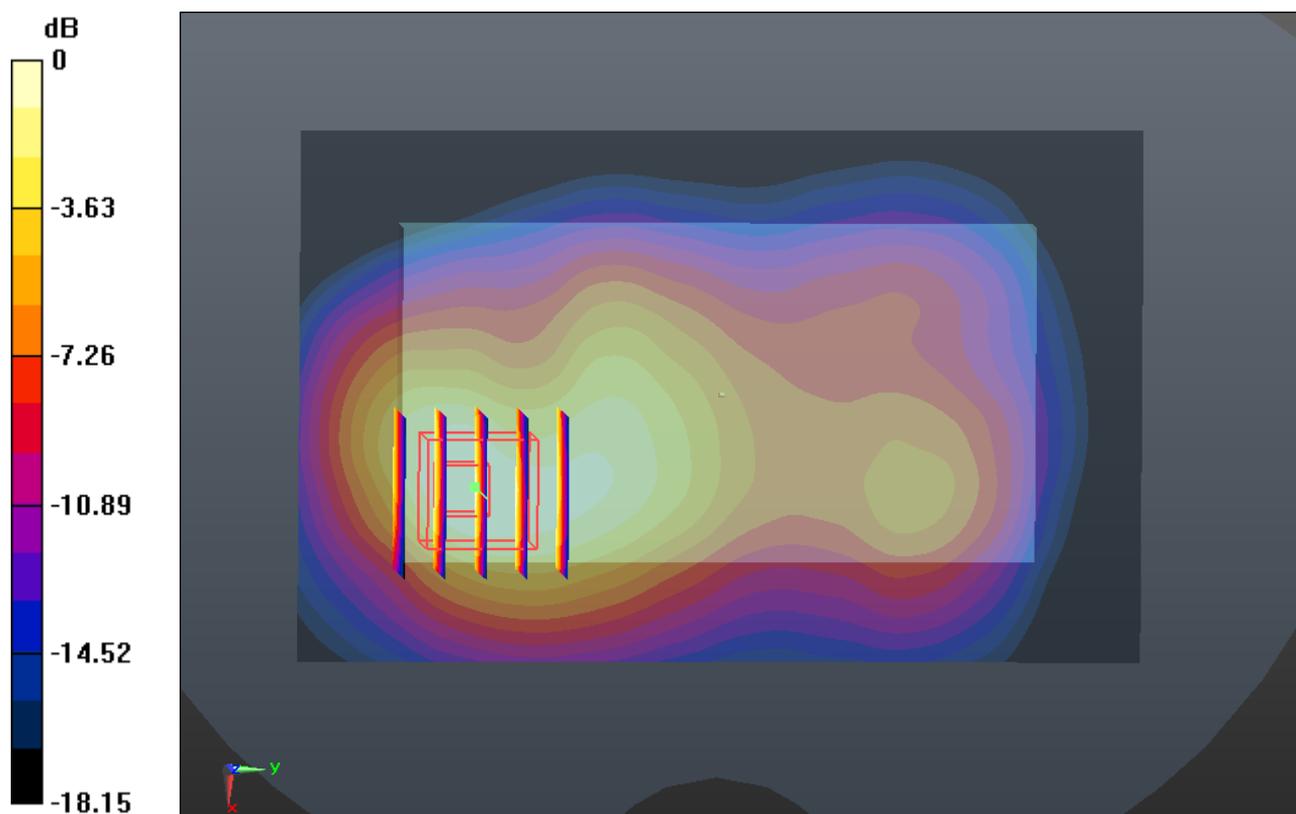
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.104 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 2.070 W/kg

SAR(1 g) = 1.200 mW/g; SAR(10 g) = 0.654 mW/g

Maximum value of SAR (measured) = 1.616 mW/g



0 dB = 1.620mW/g

#118 WCDMA Band II_RMC12.2K_Left Side 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.755 mW/g

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

Reference Value = 13.005 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.929 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.320 mW/g

Maximum value of SAR (measured) = 0.755 mW/g

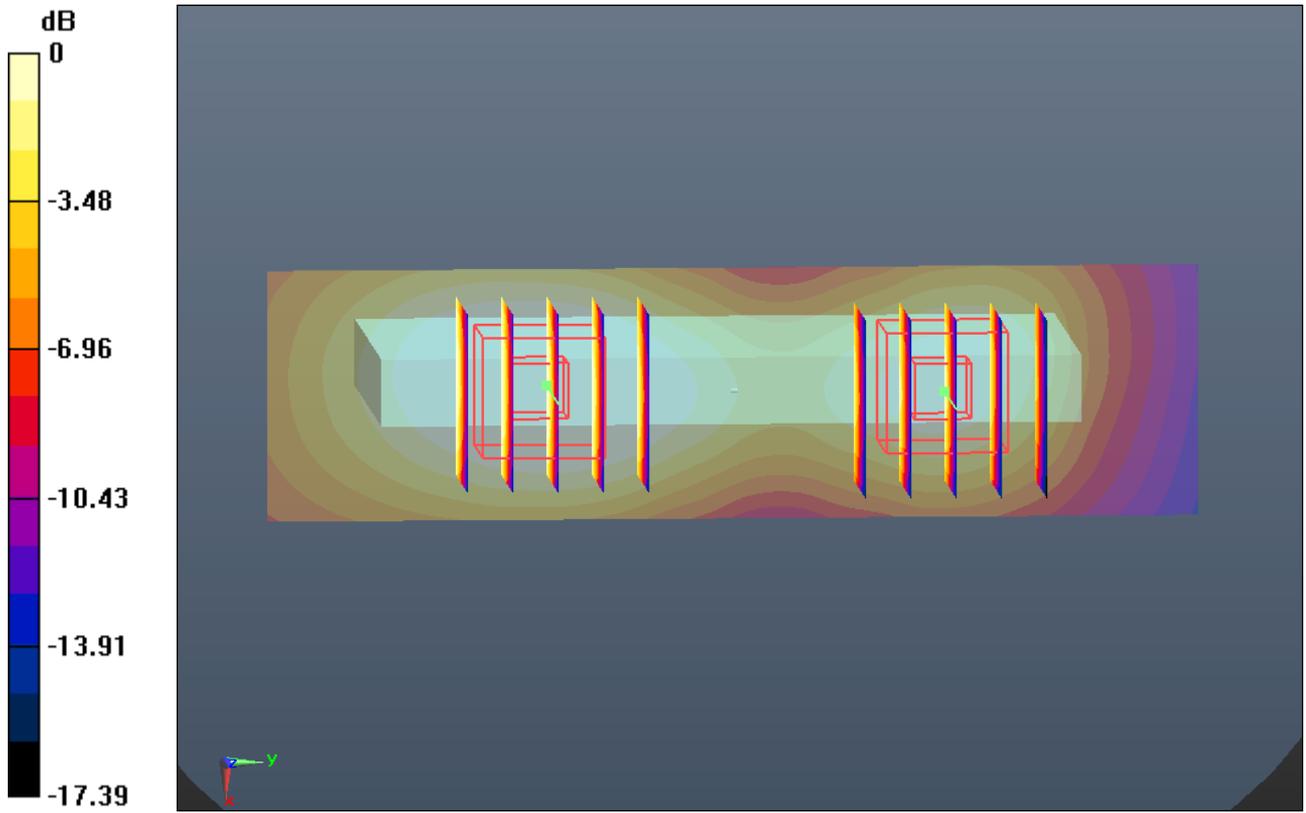
Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.005 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.616 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.503 mW/g



0 dB = 0.500mW/g

#119 WCDMA Band II_RMC12.2K_Right Side 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (51x121x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.039 mW/g

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

Reference Value = 4.505 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.052 W/kg

SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.040 mW/g

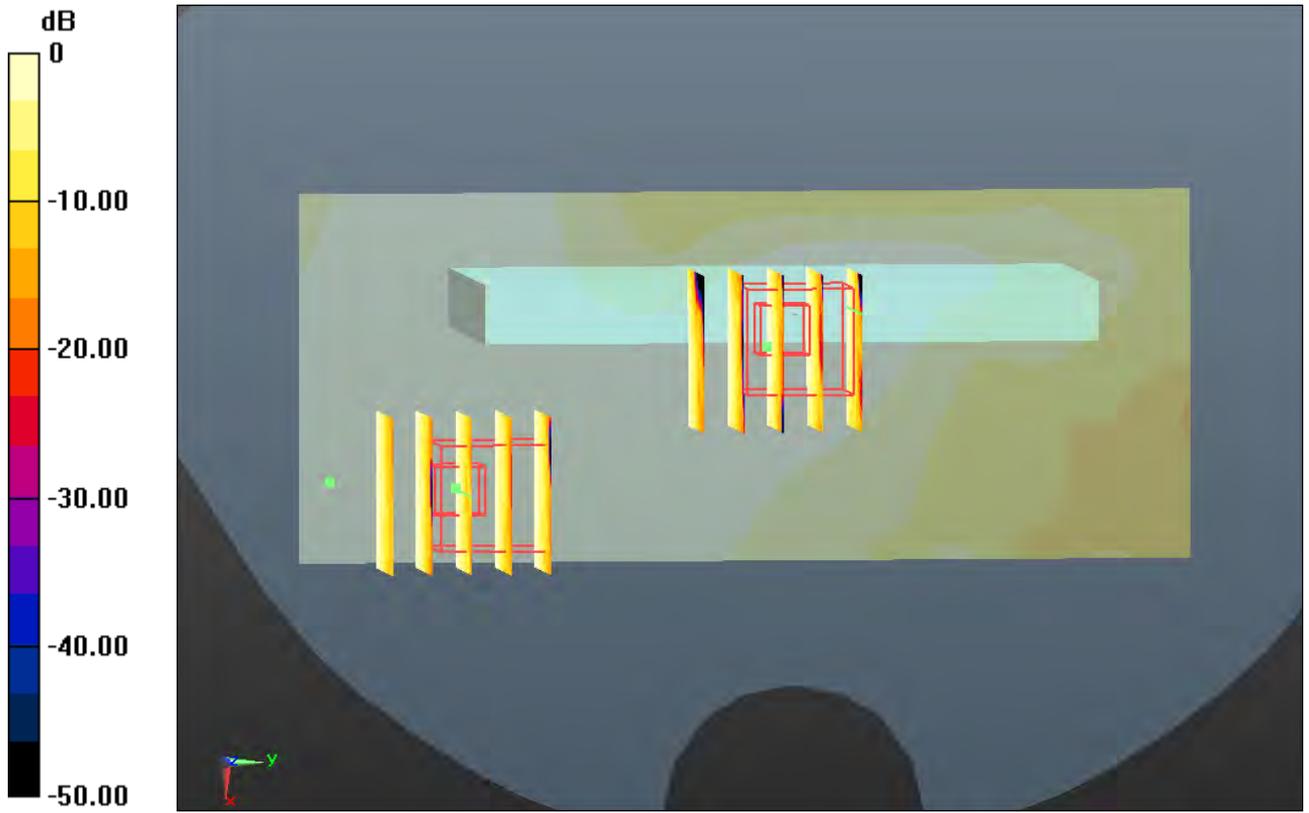
Ch9400/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.505 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.043 W/kg

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.015 mW/g

Maximum value of SAR (measured) = 0.034 mW/g



0 dB = 0.030mW/g

#120 WCDMA Band II_RMC12.2K_Bottom Side 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.858 mW/g

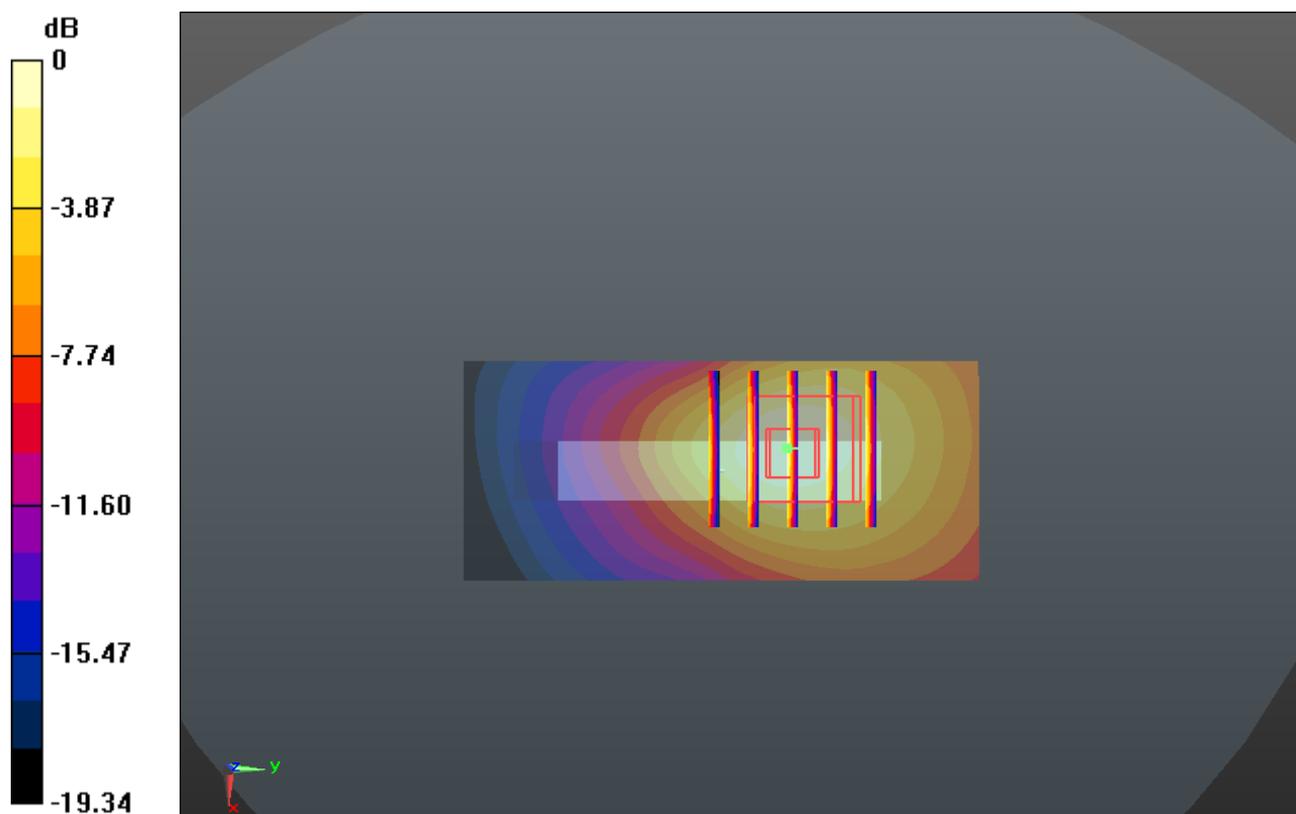
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.333 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.033 W/kg

SAR(1 g) = 0.611 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.842 mW/g



0 dB = 0.840mW/g

#121 WCDMA Band II_RMC12.2K_Front 1cm_Ch9262

DUT: 312303

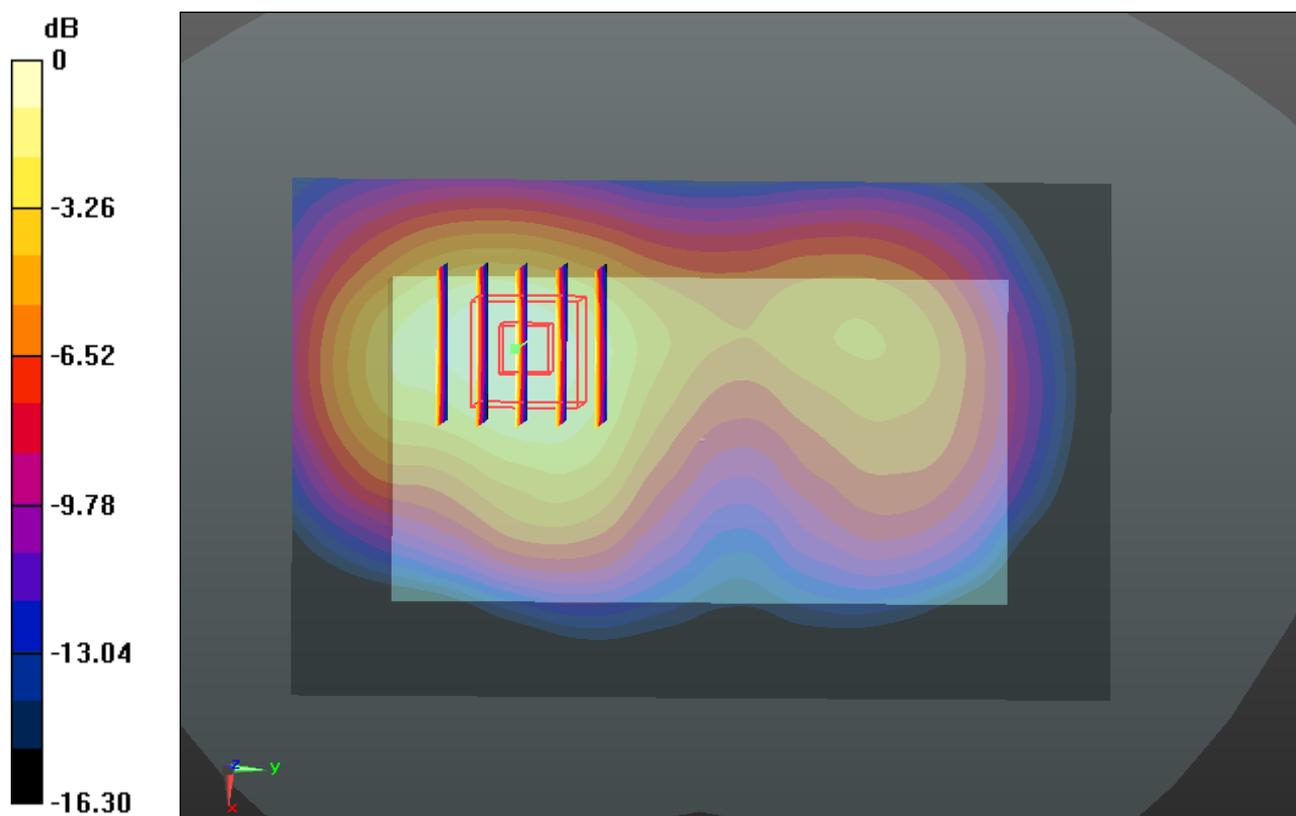
Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900_130228 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.268 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.024 V/m; Power Drift = 0.05 dB
Peak SAR (extrapolated) = 1.505 W/kg
SAR(1 g) = 0.923 mW/g; SAR(10 g) = 0.541 mW/g
Maximum value of SAR (measured) = 1.231 mW/g



0 dB = 1.230mW/g

#122 WCDMA Band II_RMC12.2K_Front 1cm_Ch9538

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r =$

53.116 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.928 mW/g

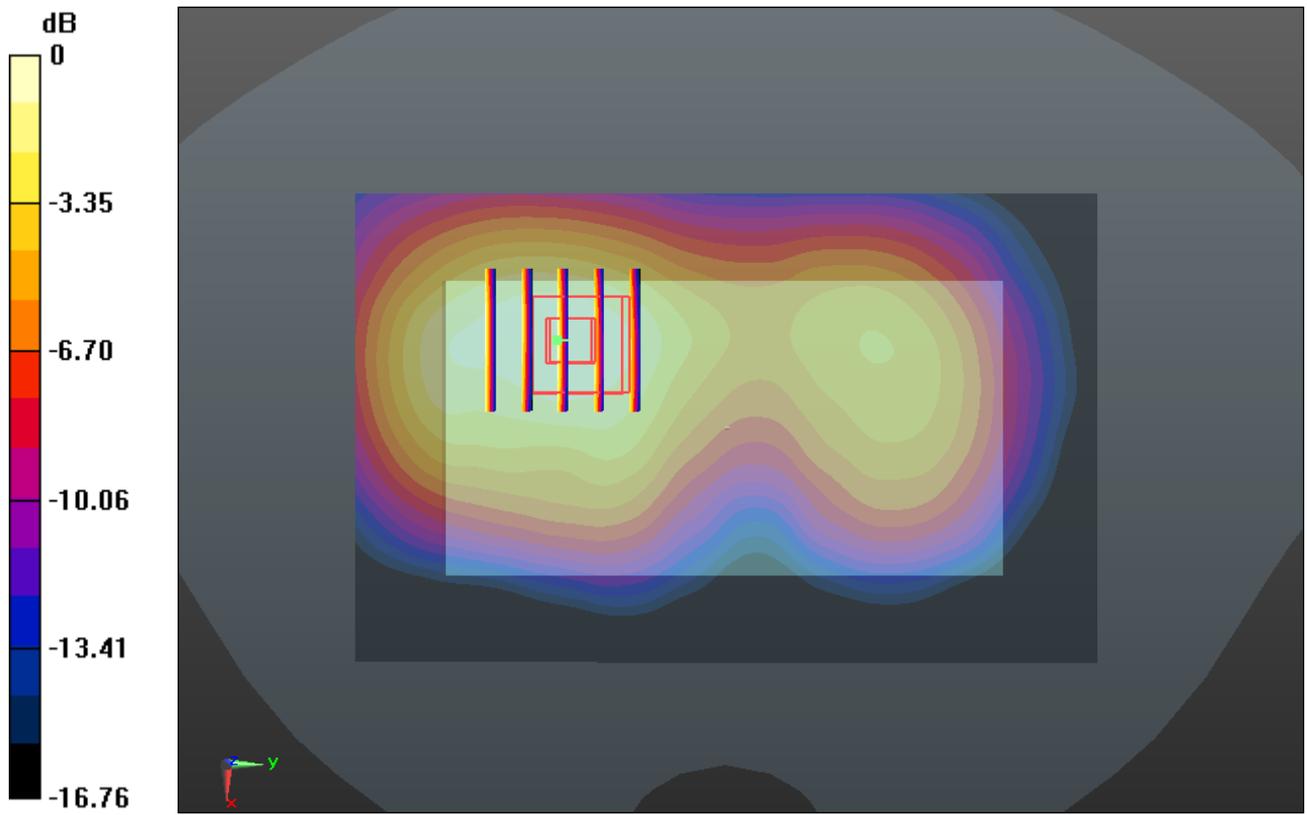
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.100 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.103 W/kg

SAR(1 g) = 0.669 mW/g; SAR(10 g) = 0.393 mW/g

Maximum value of SAR (measured) = 0.894 mW/g



0 dB = 0.890mW/g

#123 WCDMA Band II_RMC12.2K_Back 1cm_Ch9262

DUT: 312303

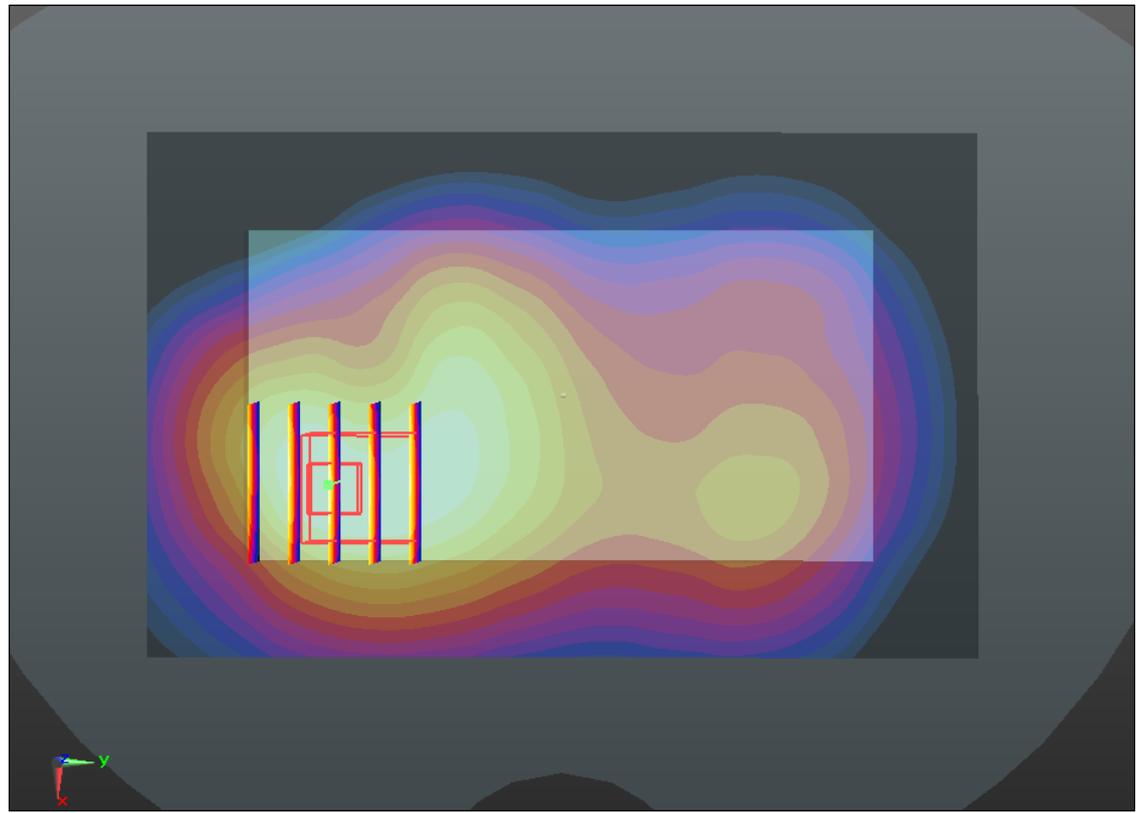
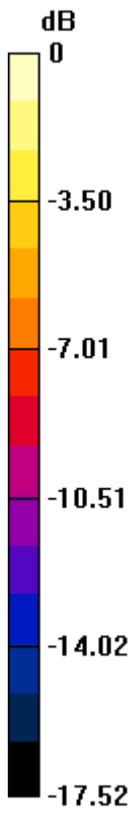
Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900_130228 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.545 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.018 V/m; Power Drift = 0.04 dB
Peak SAR (extrapolated) = 1.720 W/kg
SAR(1 g) = 1.060 mW/g; SAR(10 g) = 0.619 mW/g
Maximum value of SAR (measured) = 1.414 mW/g



0 dB = 1.410mW/g

#124 WCDMA Band II_RMC12.2K_Back 1cm_Ch9538

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r =$

53.116 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.469 mW/g

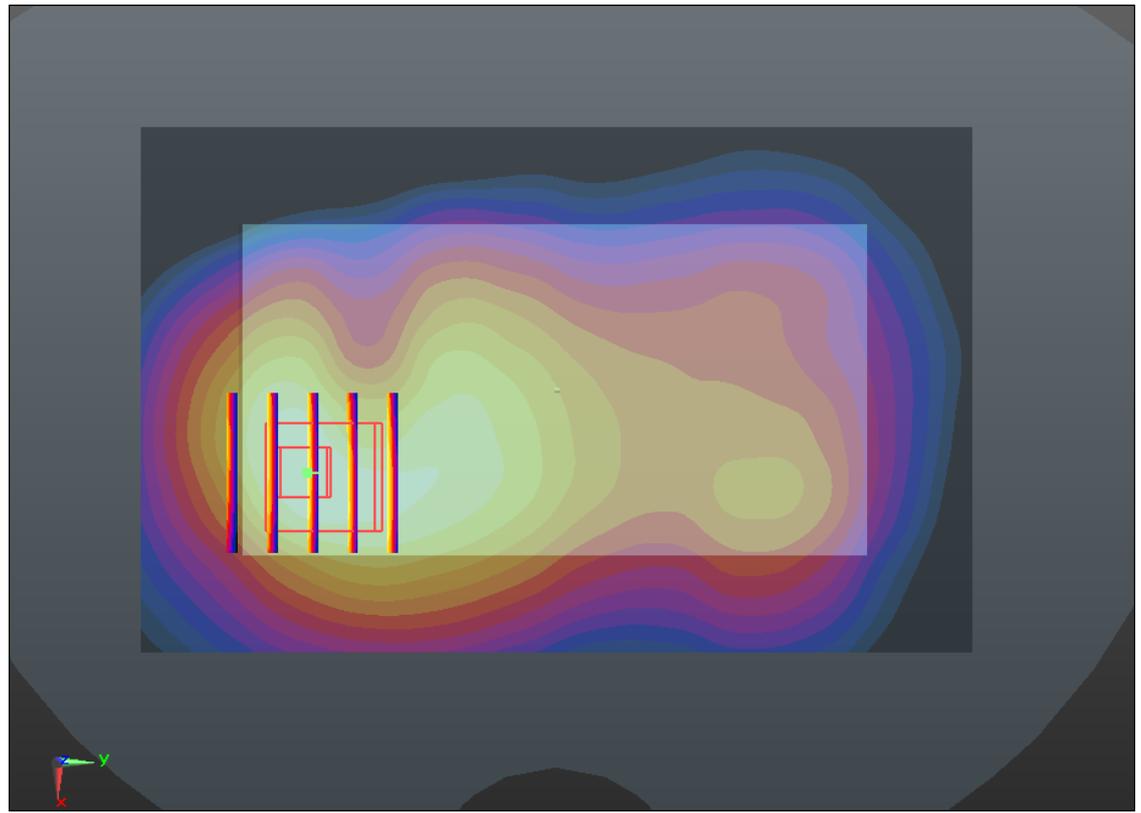
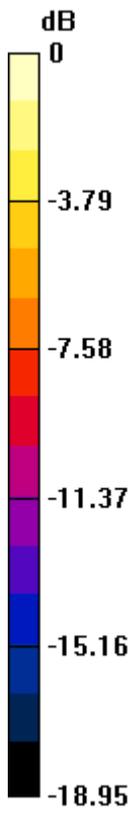
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.837 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.744 W/kg

SAR(1 g) = 1.030 mW/g; SAR(10 g) = 0.565 mW/g

Maximum value of SAR (measured) = 1.425 mW/g



0 dB = 1.420mW/g

#125 WCDMA Band II_HSDPA Subtest-1_Back 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.244 mW/g

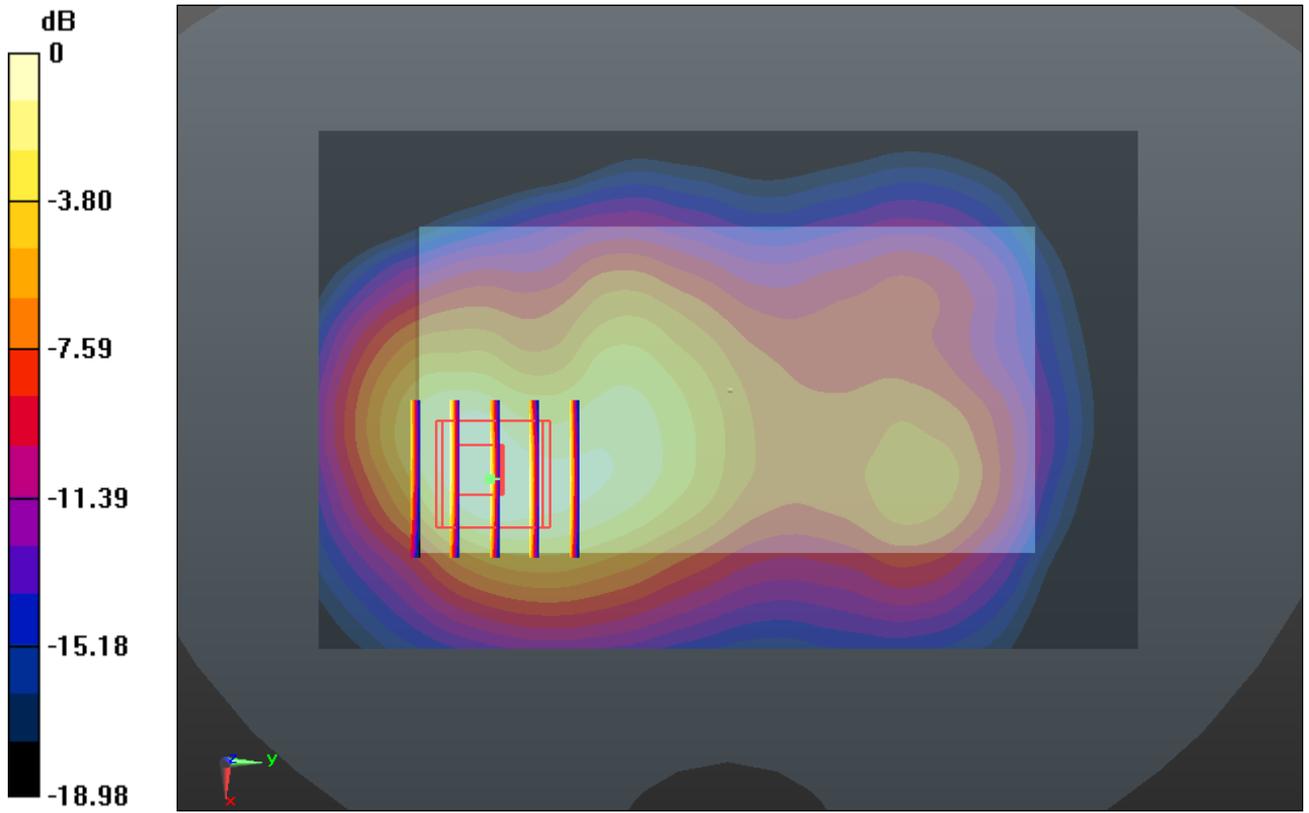
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.190 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.457 W/kg

SAR(1 g) = 0.843 mW/g; SAR(10 g) = 0.462 mW/g

Maximum value of SAR (measured) = 1.148 mW/g



0 dB = 1.150mW/g

#126 WCDMA Band II_HSDPA Subtest-1_Back 1cm_Ch9262

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used (interpolated): $f = 1852.4$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.208 mW/g

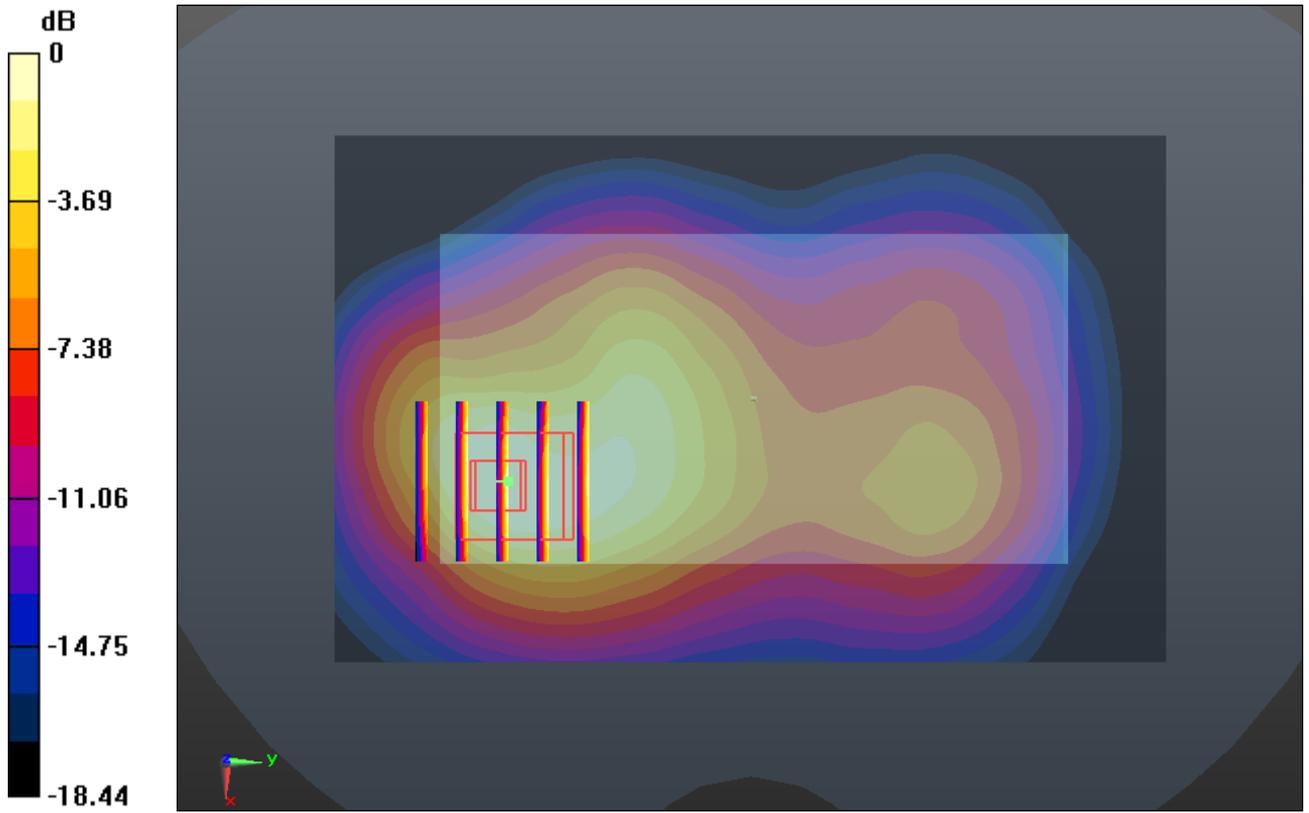
Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.852 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.400 W/kg

SAR(1 g) = 0.830 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 1.110 mW/g



0 dB = 1.110mW/g

#127 WCDMA Band II_HSDPA Subtest-1_Back 1cm_Ch9538

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r =$

53.116 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.184 mW/g

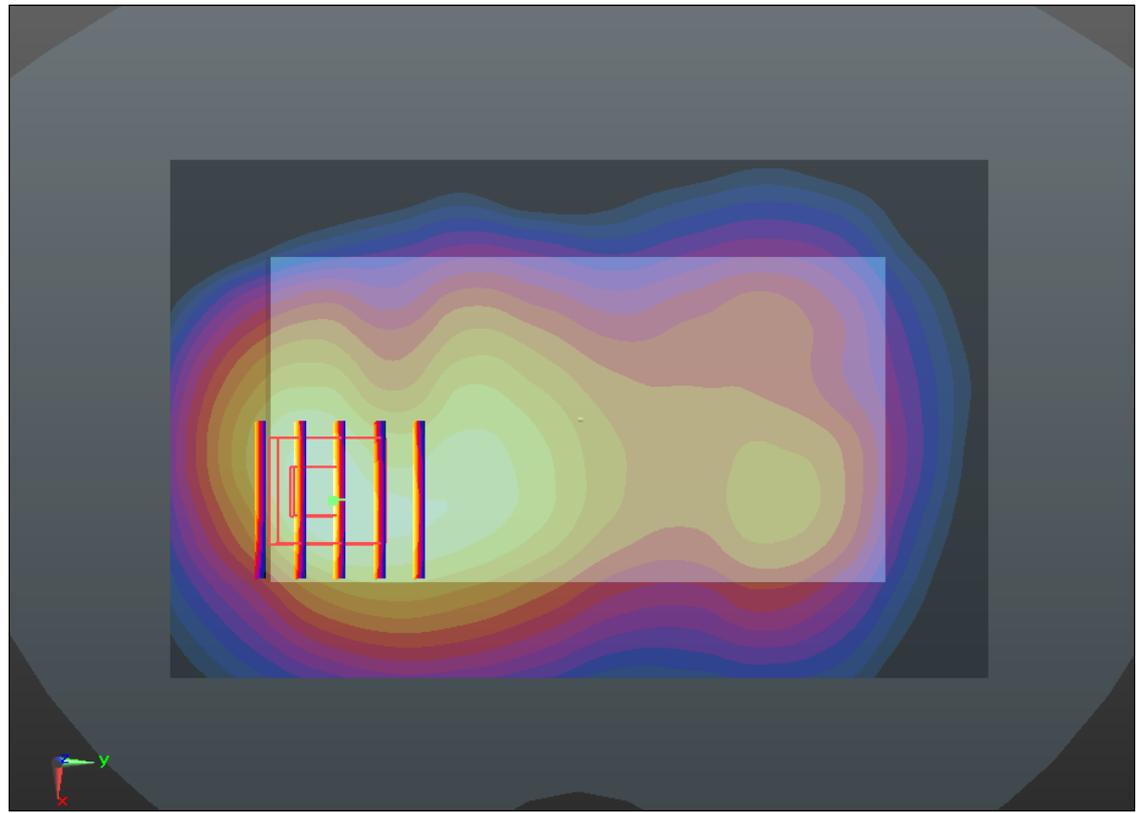
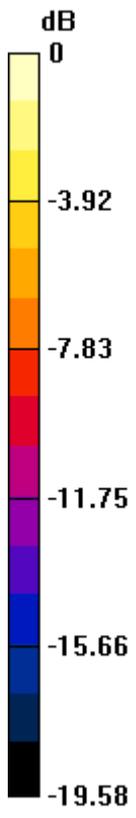
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.994 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 1.488 W/kg

SAR(1 g) = 0.838 mW/g; SAR(10 g) = 0.441 mW/g

Maximum value of SAR (measured) = 1.139 mW/g



0 dB = 1.140mW/g

#128 WCDMA Band II_HSUPA Subtest-5_Back 1cm_Ch9400

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.314 mW/g

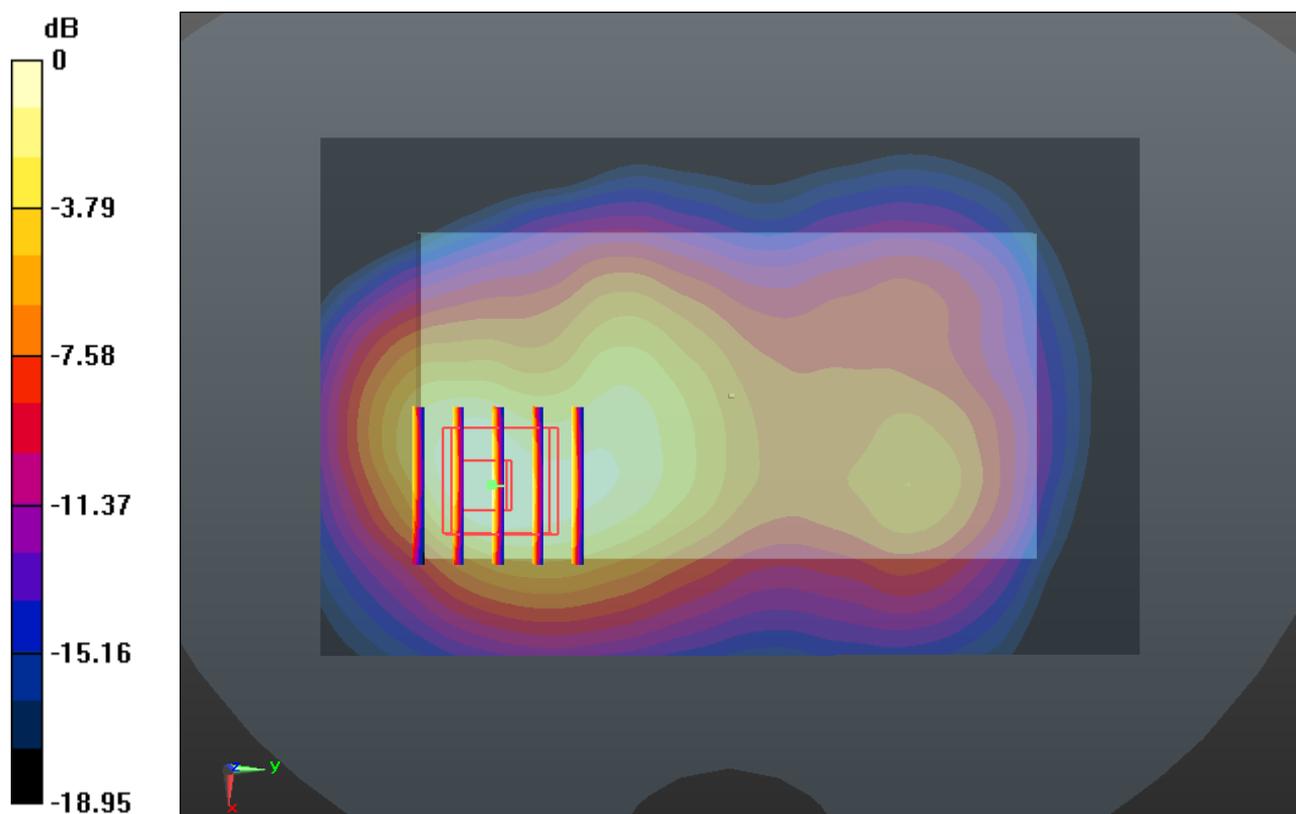
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.219 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.478 W/kg

SAR(1 g) = 0.857 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 1.177 mW/g



0 dB = 1.180mW/g

#129 WCDMA Band II_HSUPA Subtest-5_Back 1cm_Ch9262

DUT: 312303

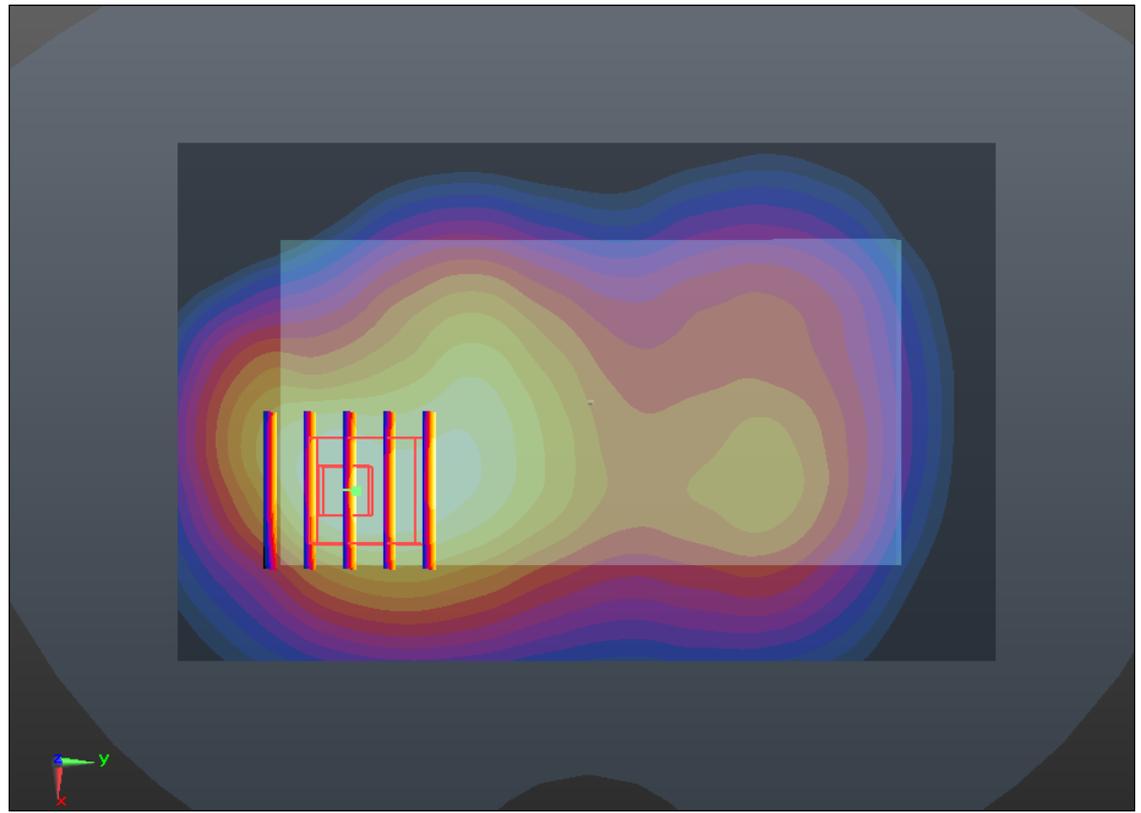
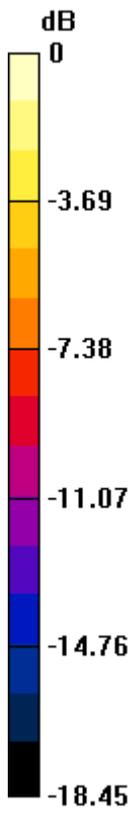
Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900_130228 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.225 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.312 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 1.386 W/kg
SAR(1 g) = 0.813 mW/g; SAR(10 g) = 0.459 mW/g
Maximum value of SAR (measured) = 1.094 mW/g



0 dB = 1.090mW/g

#130 WCDMA Band II_HSUPA Subtest-5_Back 1cm_Ch9538

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r =$

53.116 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.180 mW/g

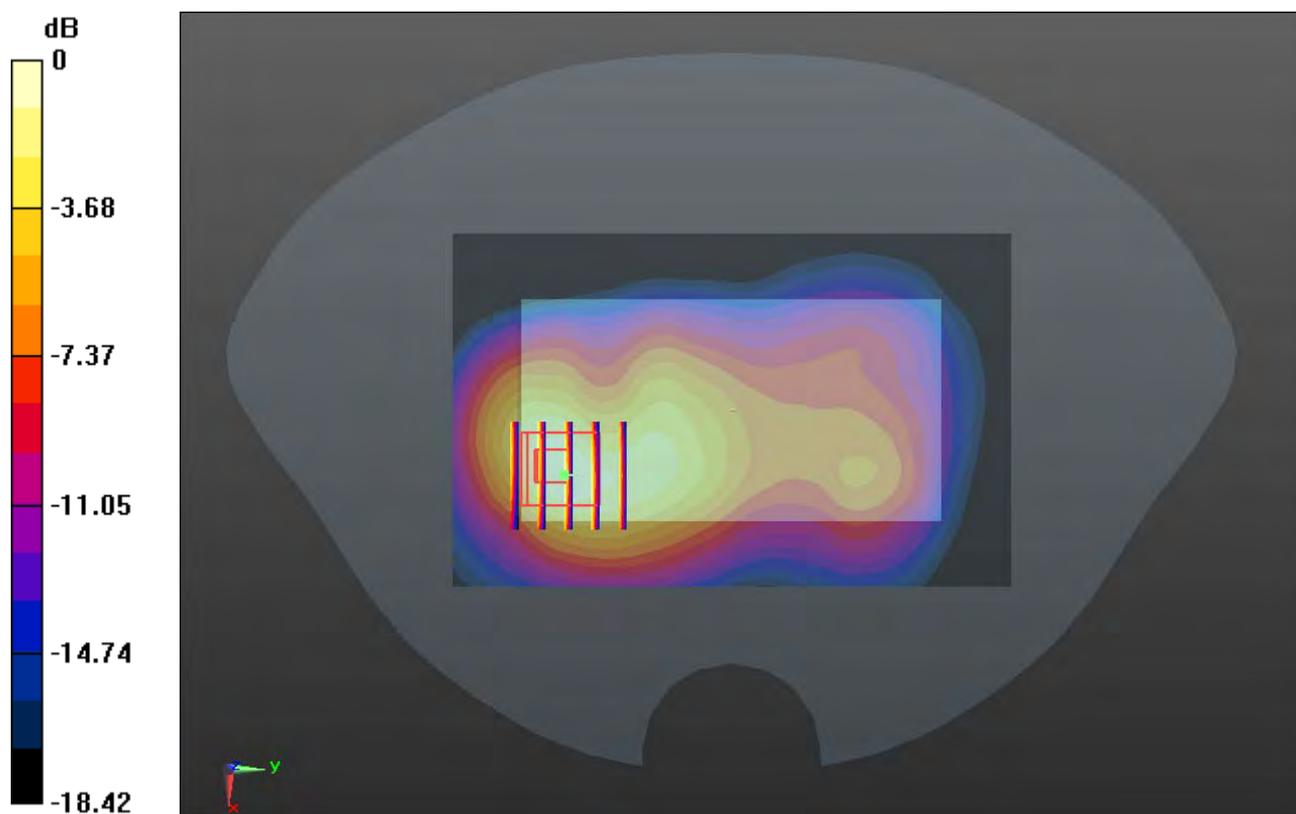
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.688 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.505 W/kg

SAR(1 g) = 0.854 mW/g; SAR(10 g) = 0.454 mW/g

Maximum value of SAR (measured) = 1.153 mW/g



0 dB = 1.150mW/g

#131 WCDMA Band II_RMC12.2K_Back 1cm_Ch9400_Headset

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9400/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.728 mW/g

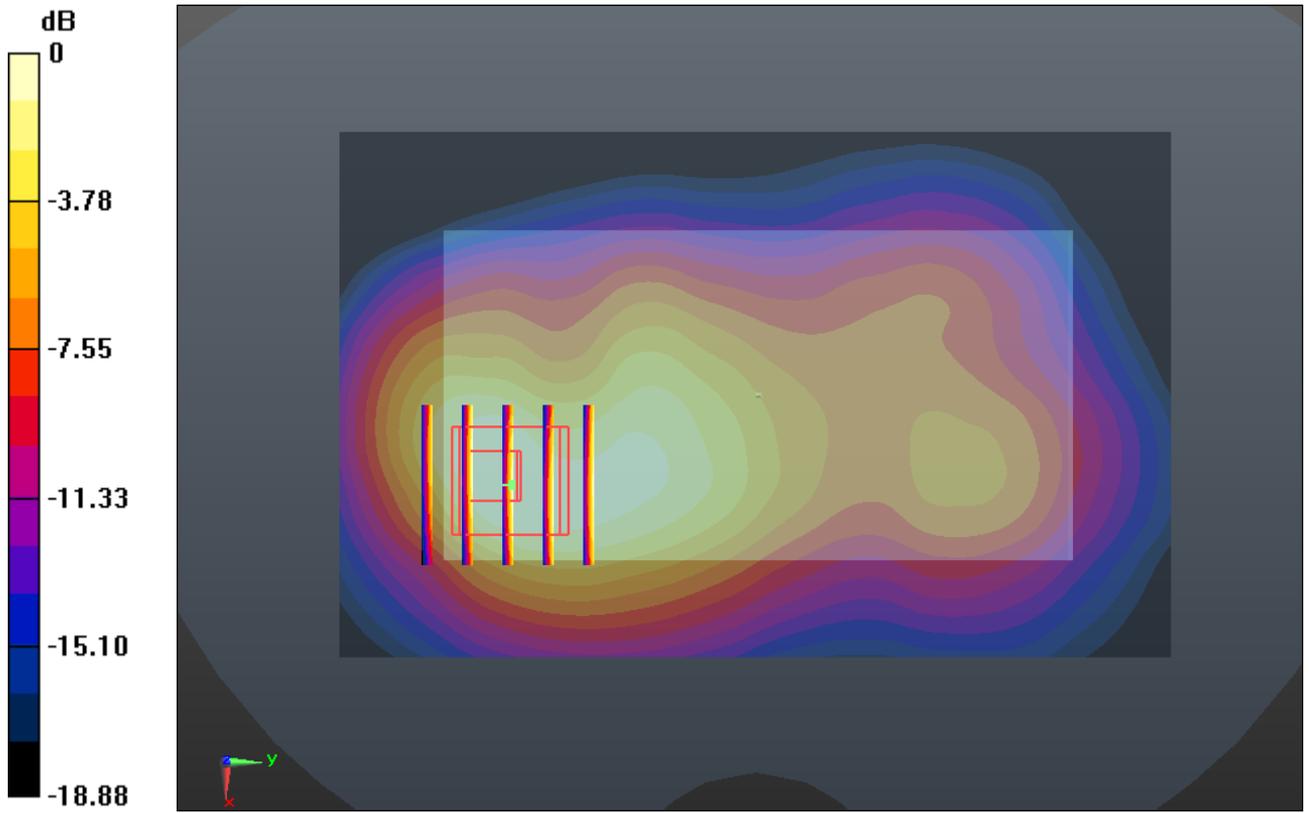
Ch9400/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.026 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.947 W/kg

SAR(1 g) = 1.110 mW/g; SAR(10 g) = 0.607 mW/g

Maximum value of SAR (measured) = 1.503 mW/g



0 dB = 1.500mW/g

#132 WCDMA Band II_RMC12.2K_Back 1cm_Ch9262_Headset

DUT: 312303

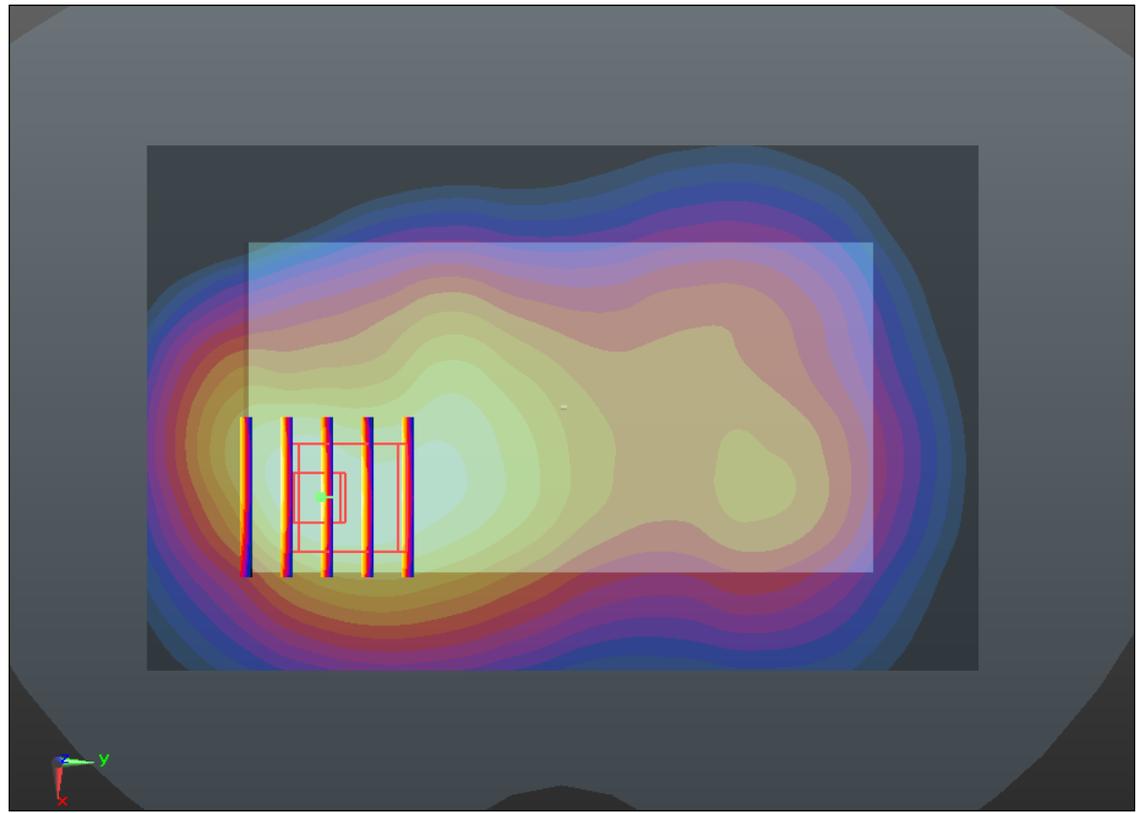
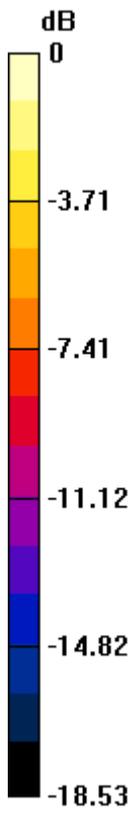
Communication System: UMTS; Frequency: 1852.4 MHz; Duty Cycle: 1:1
Medium: MSL_1900_130228 Medium parameters used: $f = 1852.4$ MHz; $\sigma = 1.493$ mho/m; $\epsilon_r = 53.25$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9262/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.679 mW/g

Ch9262/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.730 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.828 W/kg
SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.612 mW/g
Maximum value of SAR (measured) = 1.477 mW/g



0 dB = 1.480mW/g

#133 WCDMA Band II_RMC12.2K_Back 1cm_Ch9538_Headset

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1908$ MHz; $\sigma = 1.558$ mho/m; $\epsilon_r =$

53.116 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch9538/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.520 mW/g

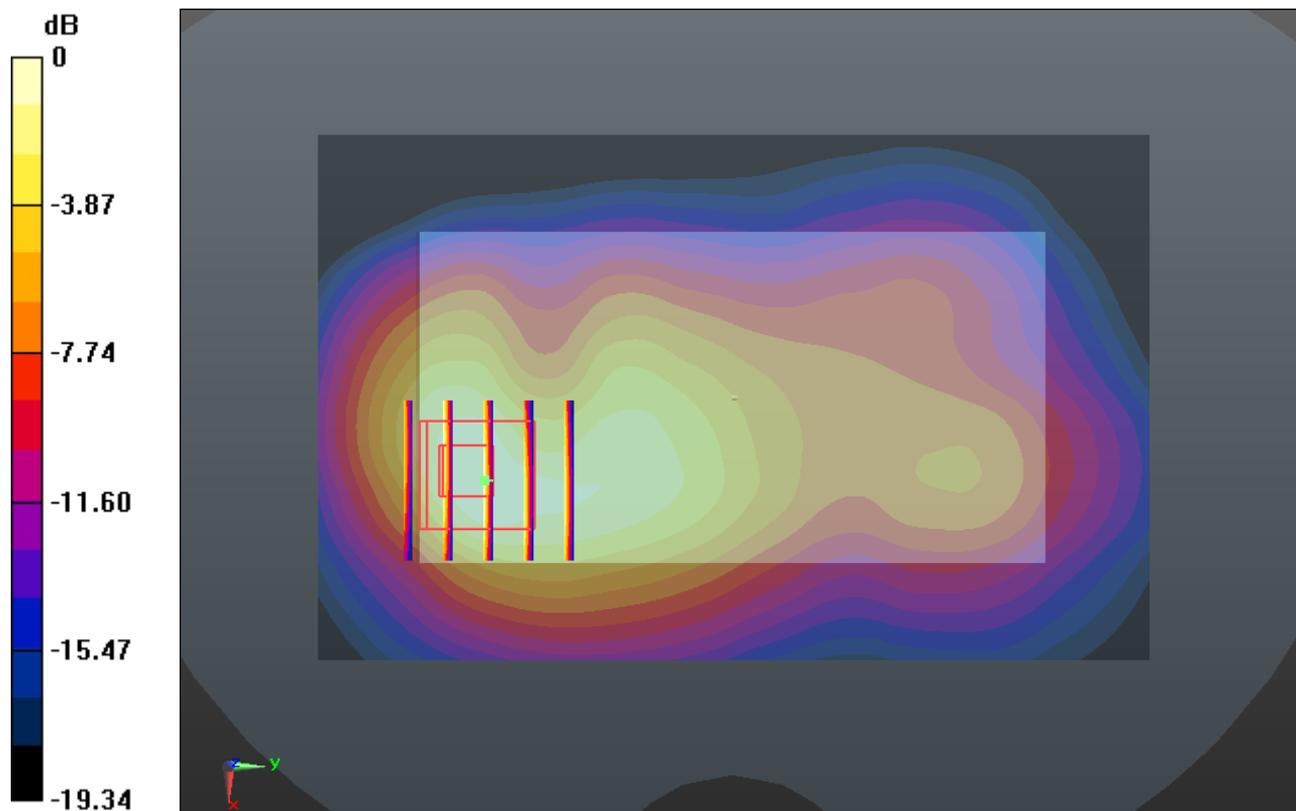
Ch9538/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.674 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.985 W/kg

SAR(1 g) = 1.110 mW/g; SAR(10 g) = 0.583 mW/g

Maximum value of SAR (measured) = 1.493 mW/g



0 dB = 1.490mW/g

#134 LTE Band 2_20M QPSK 1RB 0offset_Front 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.094 mW/g

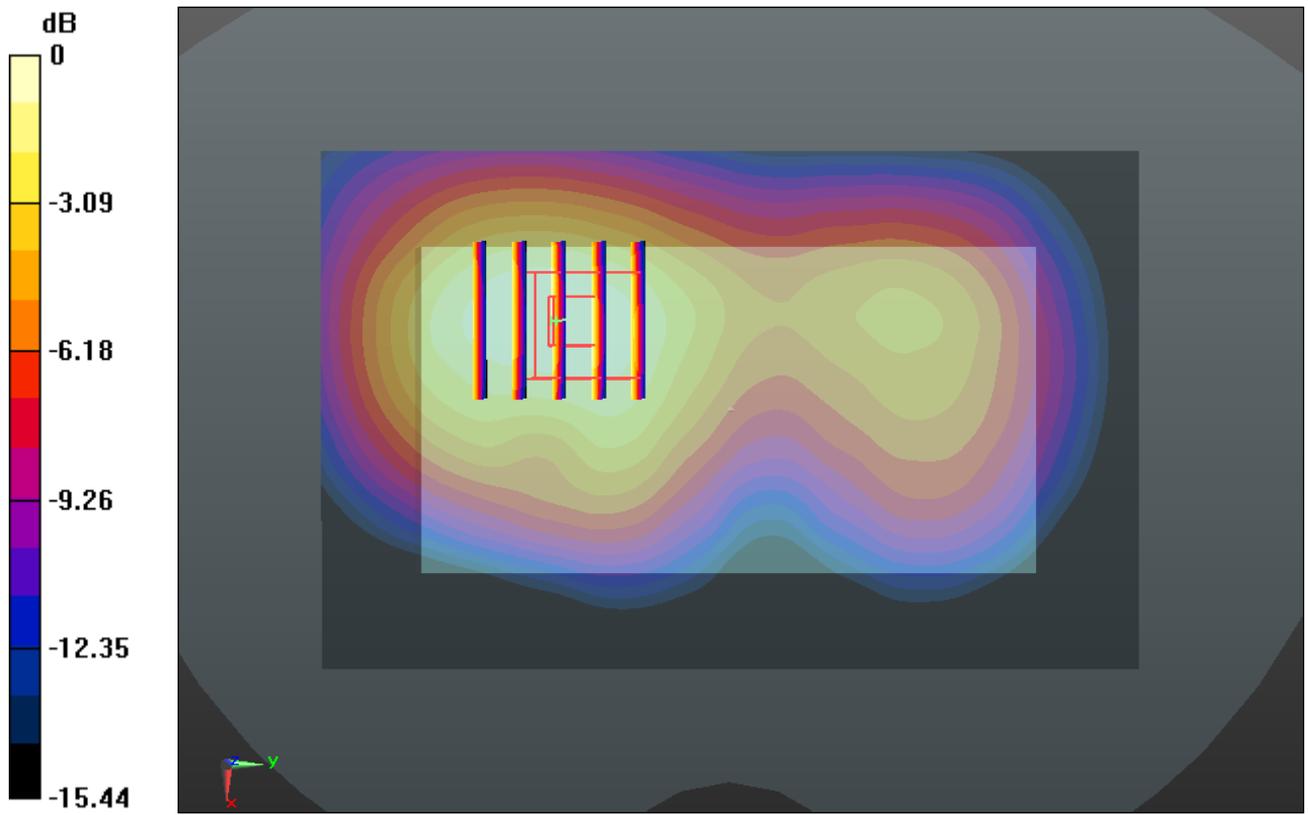
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.951 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 1.292 W/kg

SAR(1 g) = 0.821 mW/g; SAR(10 g) = 0.493 mW/g

Maximum value of SAR (measured) = 1.052 mW/g



0 dB = 1.050mW/g

#135 LTE Band 2_20M QPSK 1RB 0offset_Back 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.615 mW/g

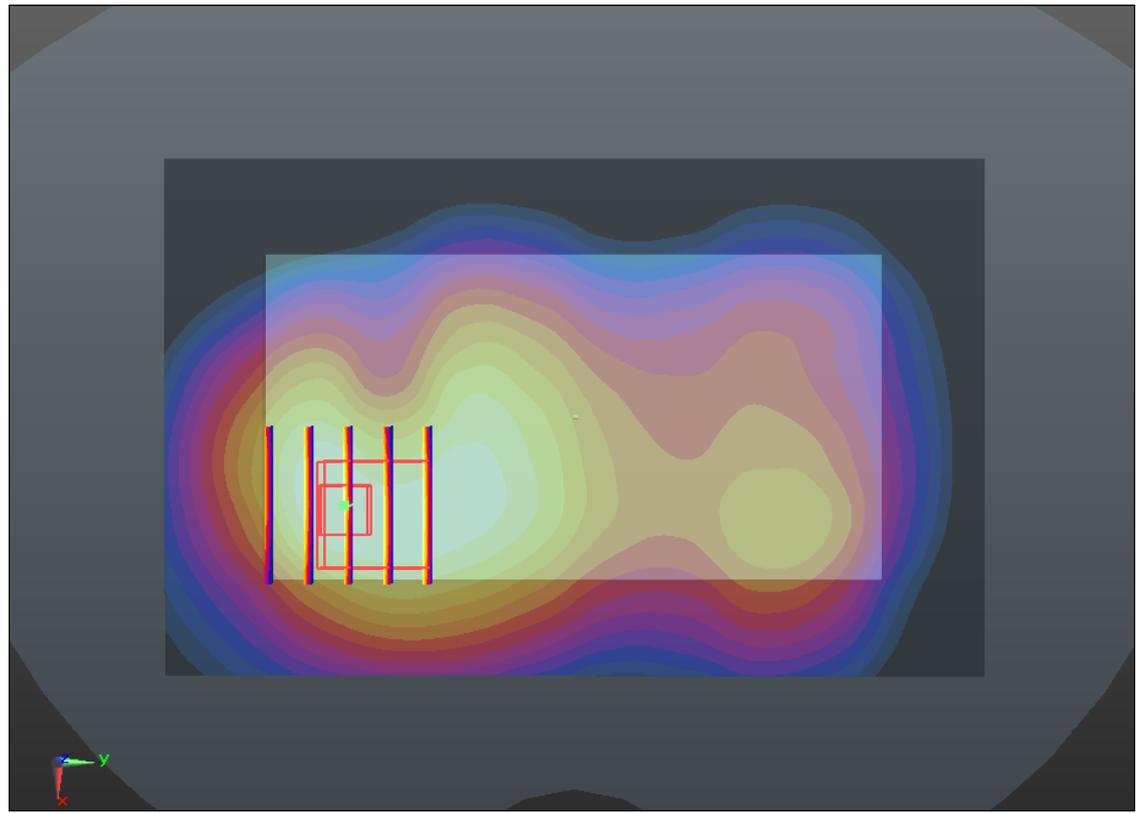
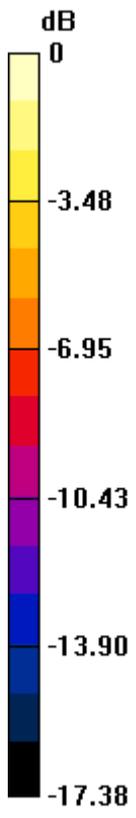
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.704 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 1.801 W/kg

SAR(1 g) = 1.090 mW/g; SAR(10 g) = 0.631 mW/g

Maximum value of SAR (measured) = 1.471 mW/g



0 dB = 1.470mW/g

#136 LTE Band 2_20M QPSK 1RB 0offset_Left Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.755 mW/g

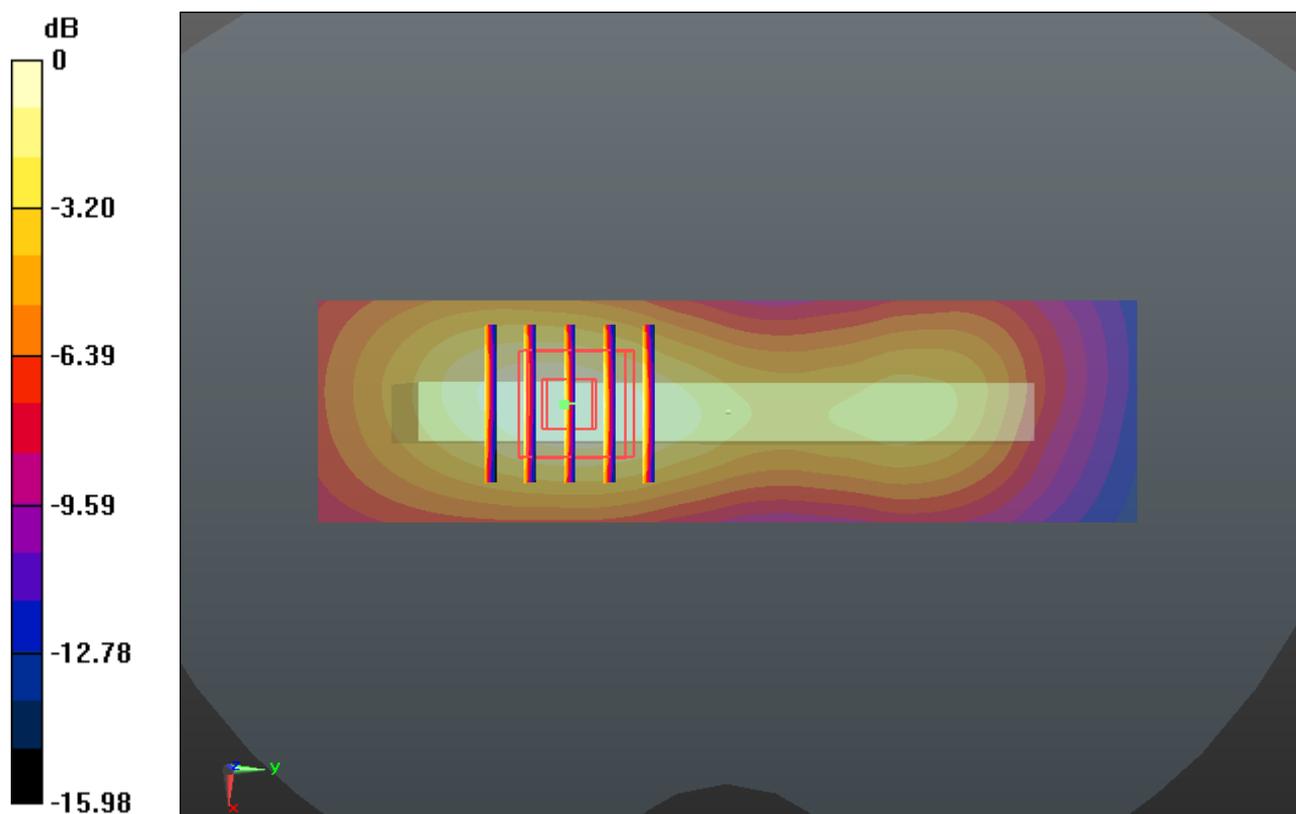
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.055 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.919 W/kg

SAR(1 g) = 0.559 mW/g; SAR(10 g) = 0.326 mW/g

Maximum value of SAR (measured) = 0.752 mW/g



0 dB = 0.750mW/g

#137 LTE Band 2_20M QPSK 1RB 0offset_Right Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.030 mW/g

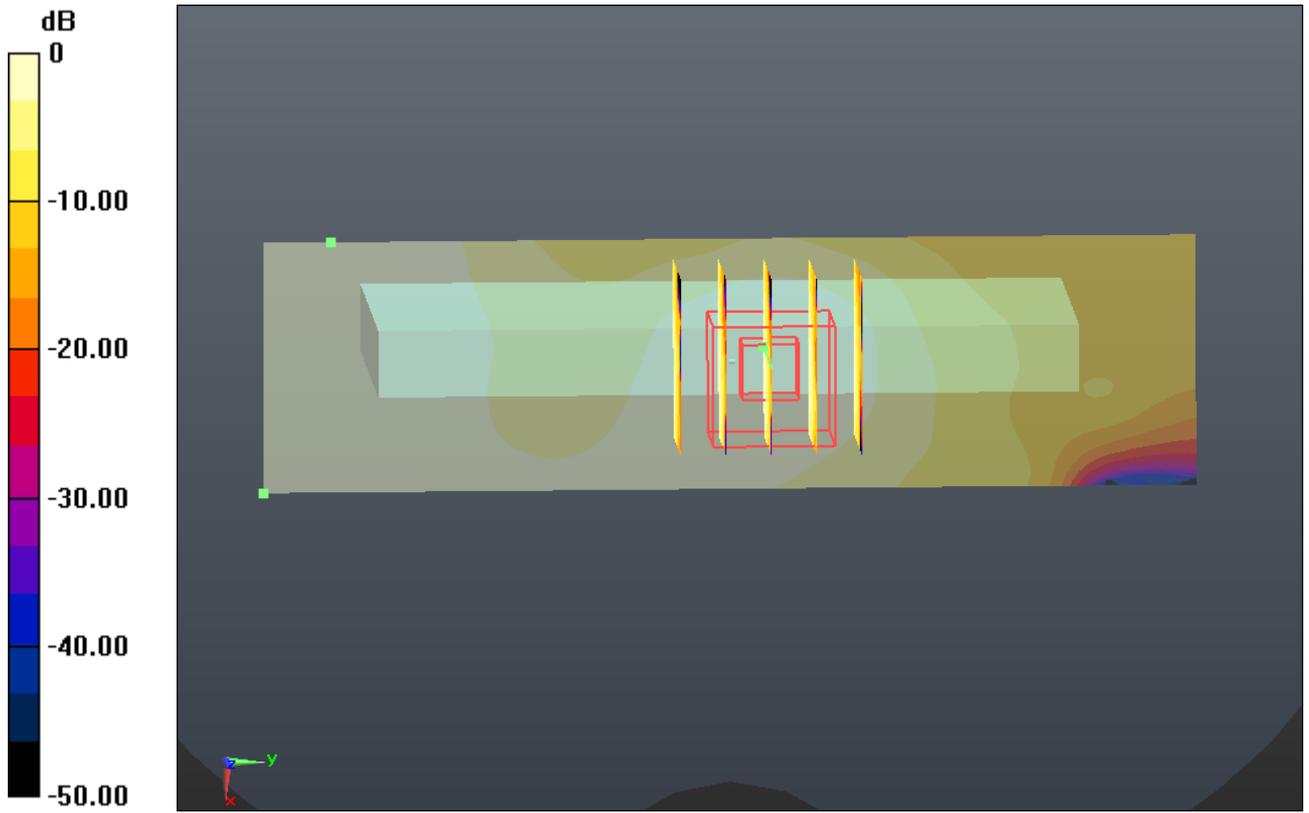
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.926 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.039 W/kg

SAR(1 g) = 0.023 mW/g; SAR(10 g) = 0.013 mW/g

Maximum value of SAR (measured) = 0.032 mW/g



0 dB = 0.030mW/g

#138 LTE Band 2_20M QPSK 1RB 0offset_Bottom Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.020 mW/g

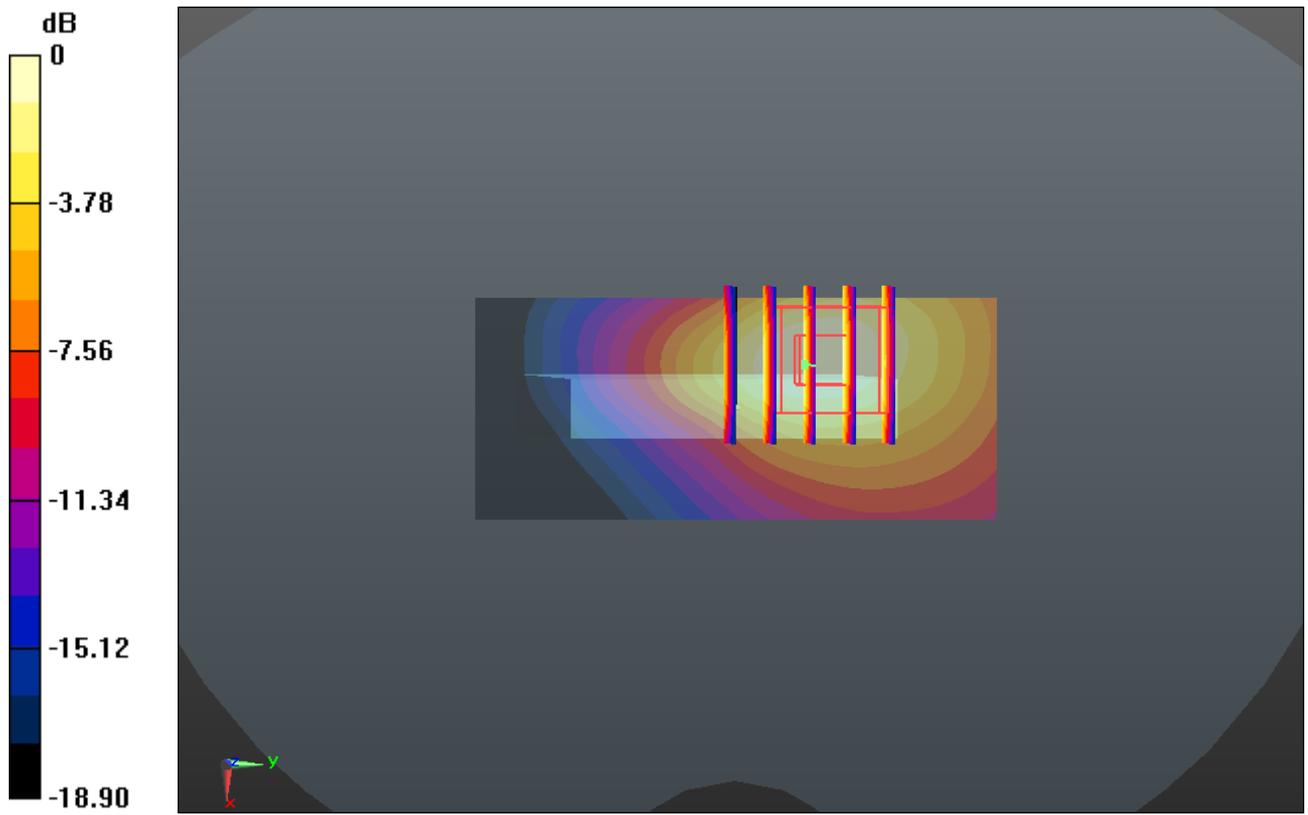
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.508 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.198 W/kg

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.387 mW/g

Maximum value of SAR (measured) = 0.962 mW/g



0 dB = 0.960mW/g

#139 LTE Band 2_20M QPSK 1RB 0offset_Front 1cm_Ch18700

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130228 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r =$

53.233 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.174 mW/g

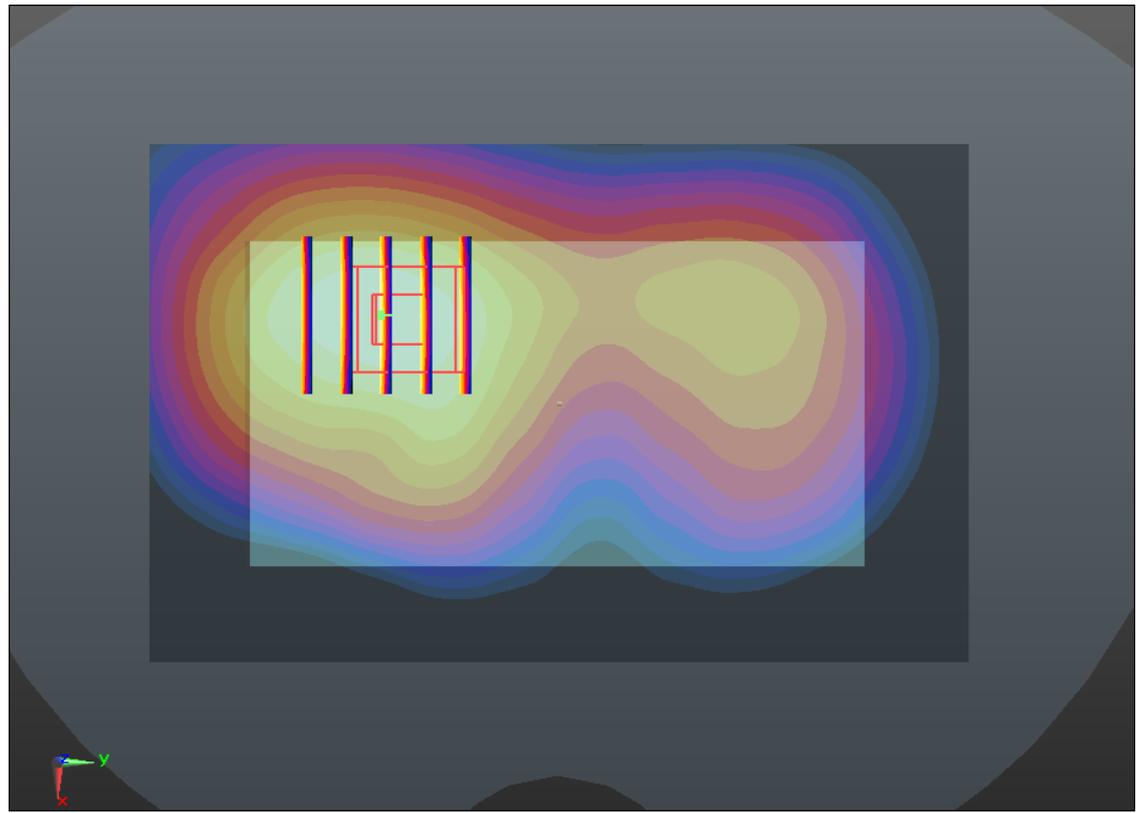
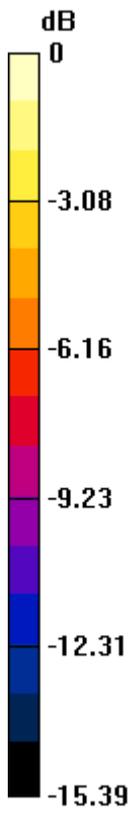
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.995 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.409 W/kg

SAR(1 g) = 0.890 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 1.160 mW/g



0 dB = 1.160mW/g

#140 LTE Band 2_20M QPSK 1RB 0offset_Front 1cm_Ch19100

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.998 mW/g

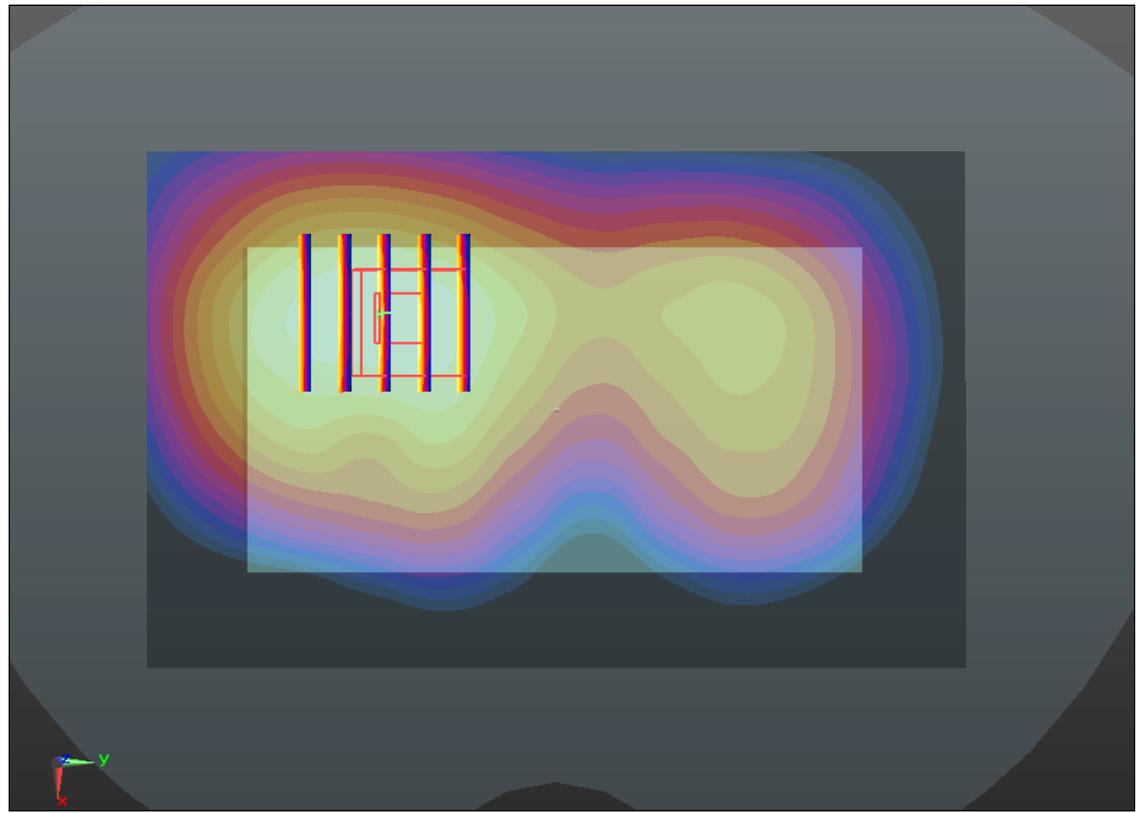
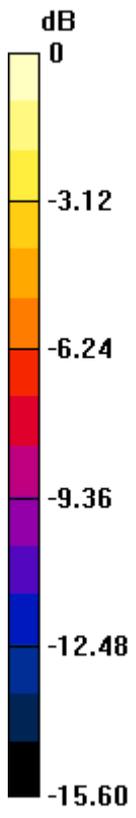
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.333 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 1.203 W/kg

SAR(1 g) = 0.757 mW/g; SAR(10 g) = 0.453 mW/g

Maximum value of SAR (measured) = 0.976 mW/g



0 dB = 0.980mW/g

#141 LTE Band 2_20M QPSK 1RB 0offset_Back 1cm_Ch18700

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130228 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r =$

53.233 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.580 mW/g

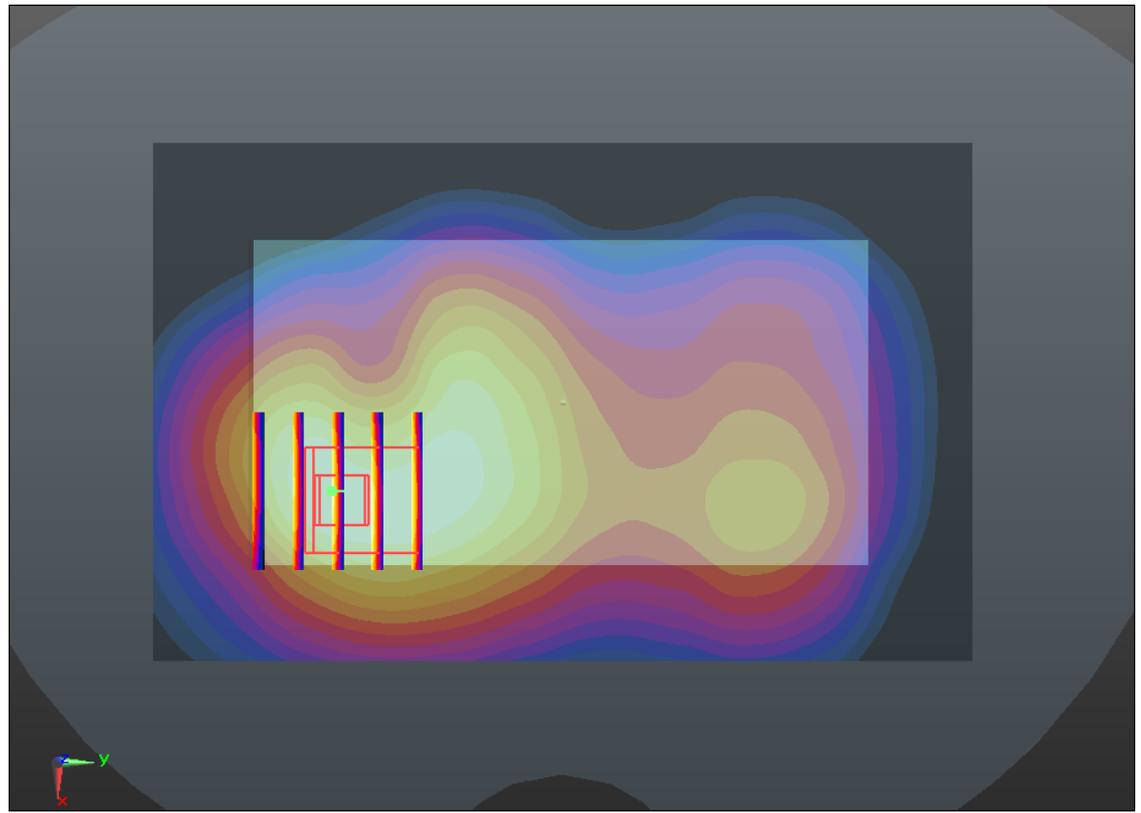
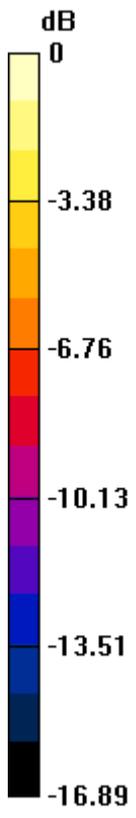
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.308 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.852 W/kg

SAR(1 g) = 1.130 mW/g; SAR(10 g) = 0.660 mW/g

Maximum value of SAR (measured) = 1.507 mW/g



0 dB = 1.510mW/g

#142 LTE Band 2_20M QPSK 1RB 0offset_Back 1cm_Ch19100

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.574 mW/g

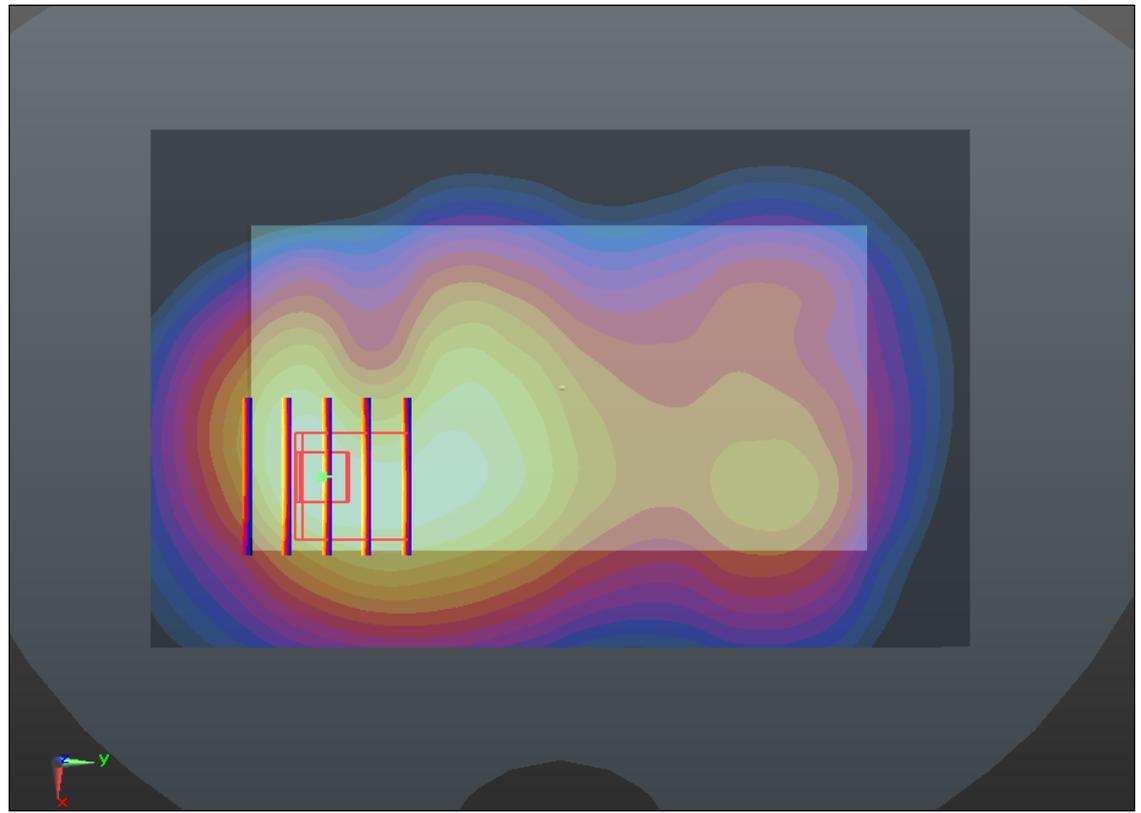
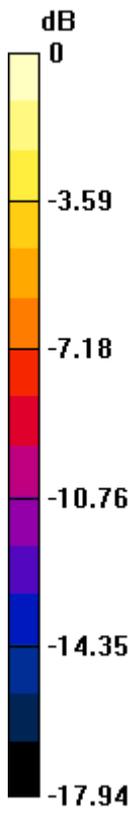
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.289 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.824 W/kg

SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.616 mW/g

Maximum value of SAR (measured) = 1.491 mW/g



0 dB = 1.490mW/g

#143 LTE Band 2_20M QPSK 1RB 0offset_Back 1cm_Ch18700_Headset

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130228 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r =$

53.233 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.421 mW/g

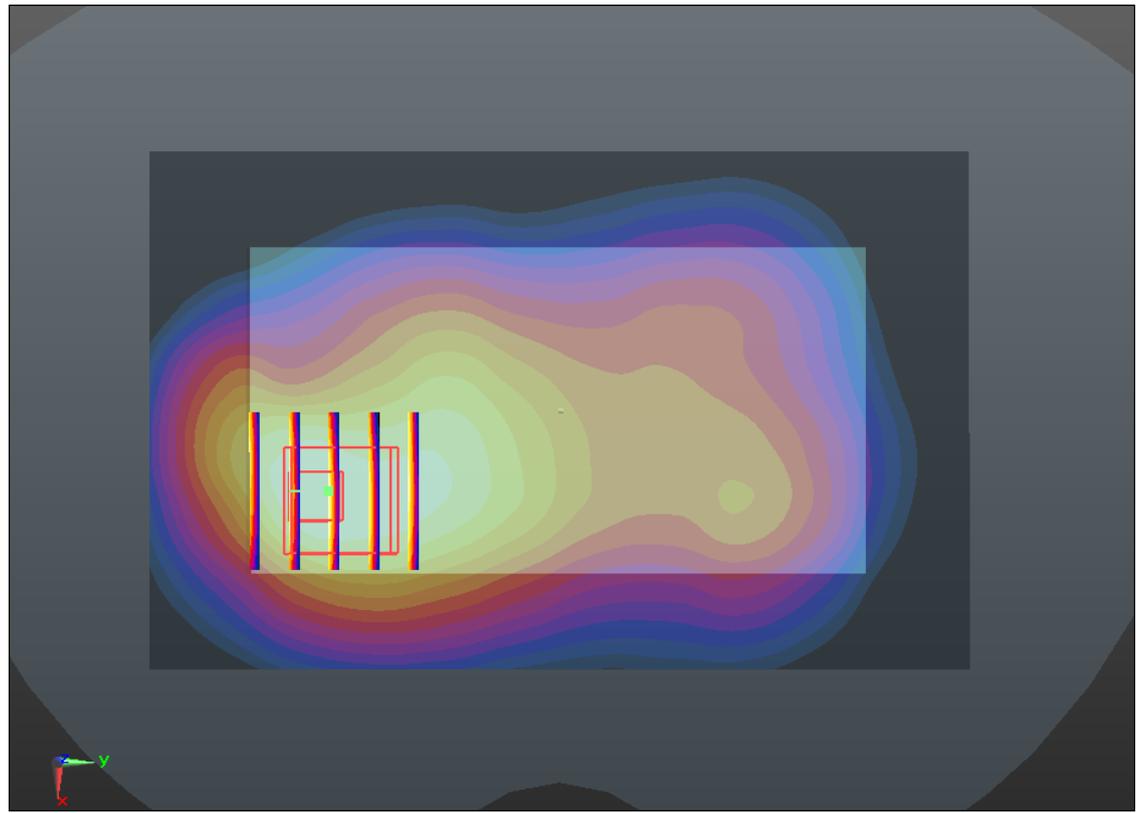
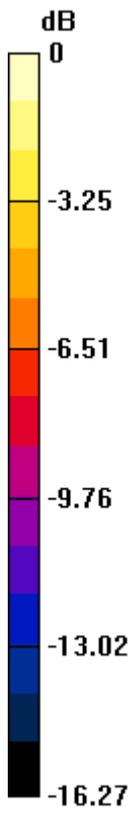
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.333 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.581 W/kg

SAR(1 g) = 0.983 mW/g; SAR(10 g) = 0.575 mW/g

Maximum value of SAR (measured) = 1.267 mW/g



0 dB = 1.270mW/g

#144 LTE Band 2_20M QPSK 1RB 0offset_Back 1cm_Ch18900_Headset

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.438 mW/g

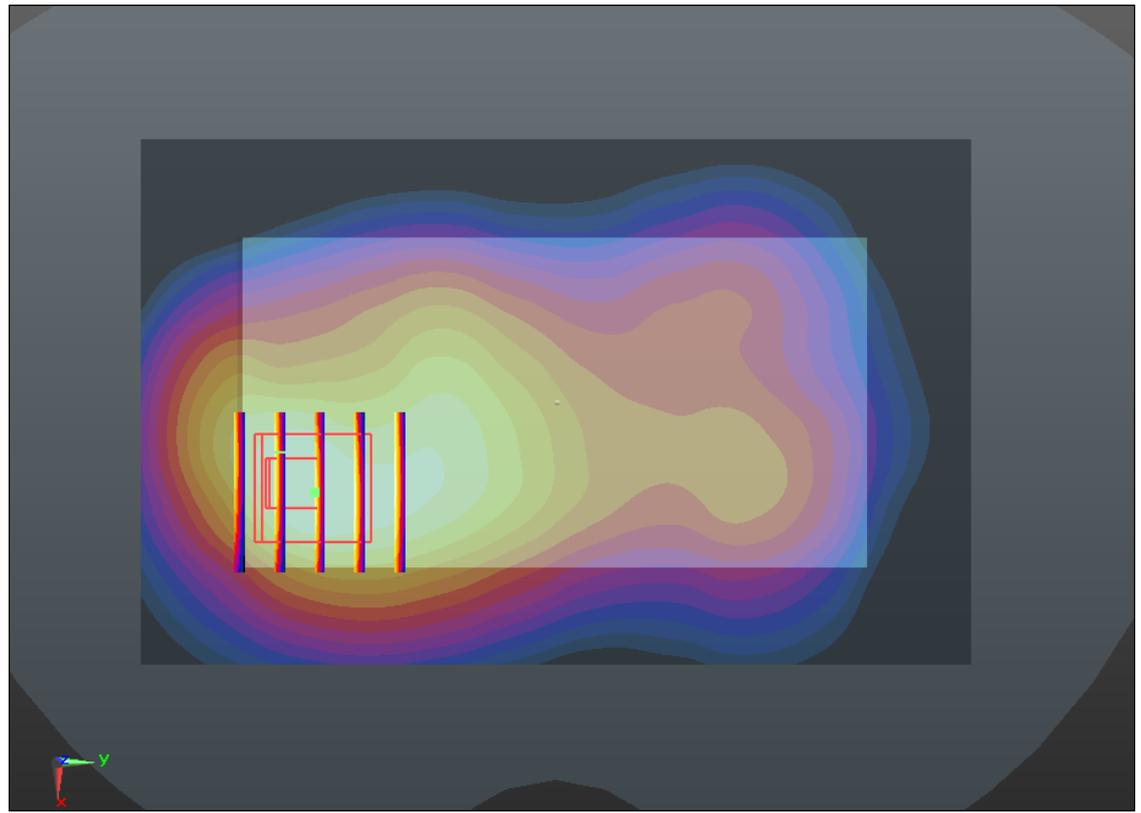
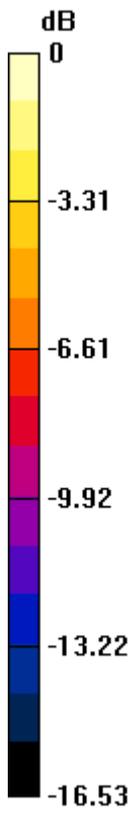
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.117 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.638 W/kg

SAR(1 g) = 1.000 mW/g; SAR(10 g) = 0.571 mW/g

Maximum value of SAR (measured) = 1.294 mW/g



0 dB = 1.290mW/g

#145 LTE Band 2_20M QPSK 1RB 0offset_Back 1cm_Ch19100_Headset

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.547 mW/g

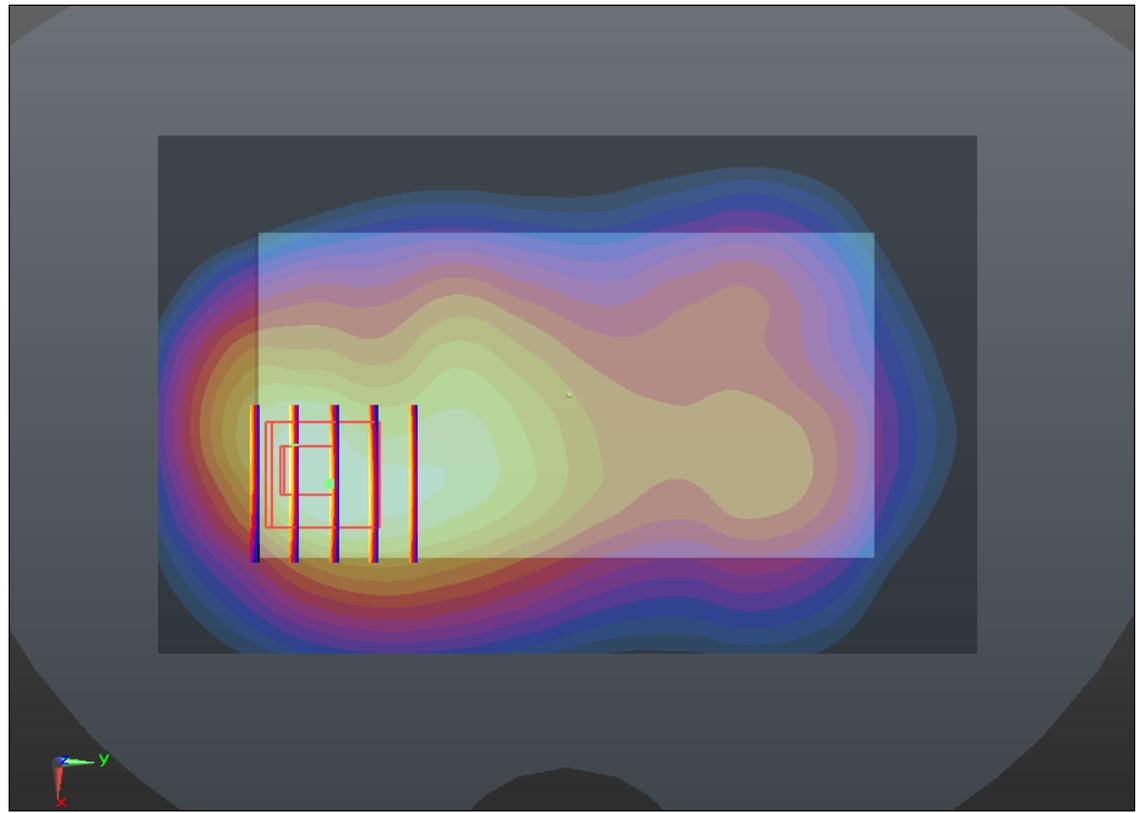
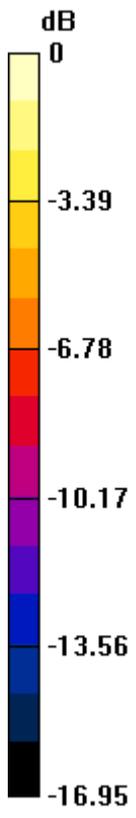
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.247 V/m; Power Drift = -0.0012 dB

Peak SAR (extrapolated) = 1.786 W/kg

SAR(1 g) = 1.080 mW/g; SAR(10 g) = 0.608 mW/g

Maximum value of SAR (measured) = 1.427 mW/g



0 dB = 1.430mW/g

#146 LTE Band 2_20M QPSK 50RB 0offset_Front 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.761 mW/g

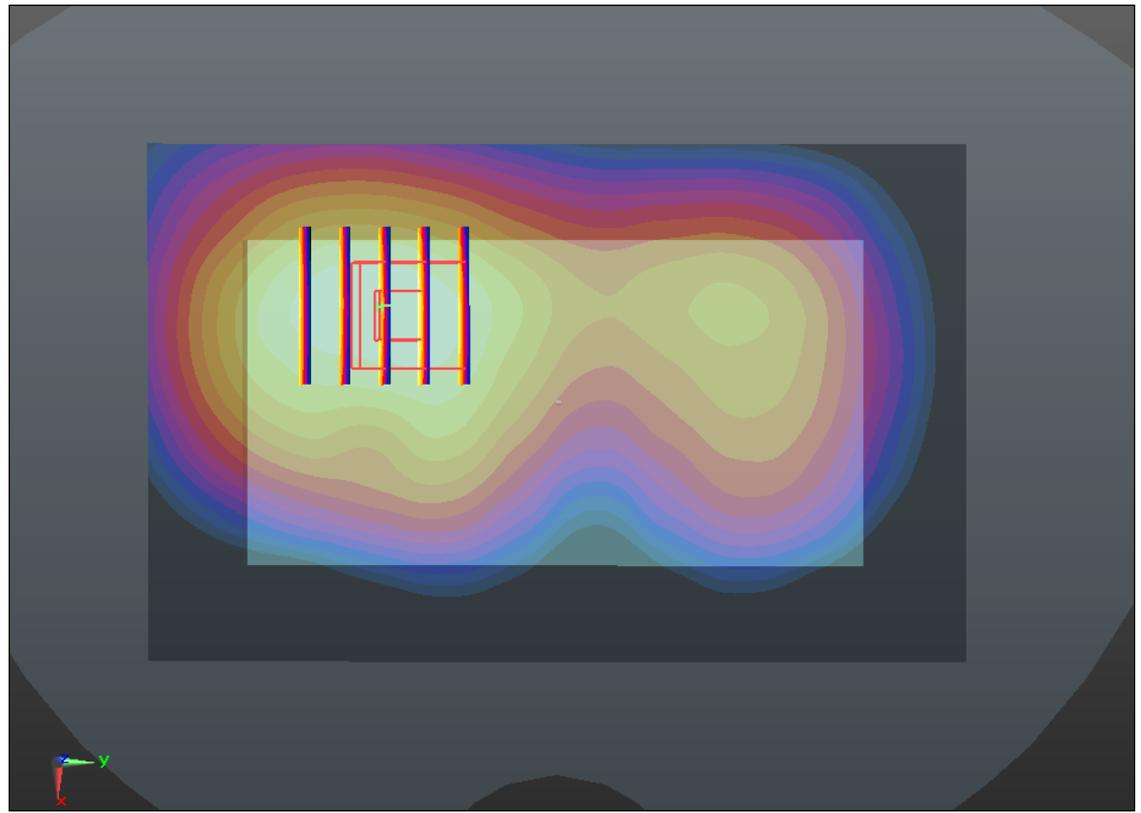
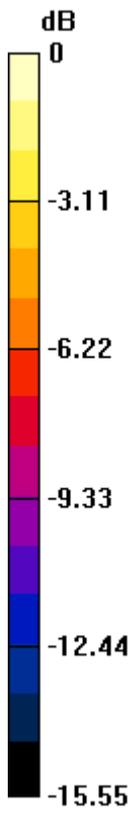
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.943 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.925 W/kg

SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.347 mW/g

Maximum value of SAR (measured) = 0.755 mW/g



0 dB = 0.750mW/g

#147 LTE Band 2_20M QPSK 50RB 0offset_Back 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.112 mW/g

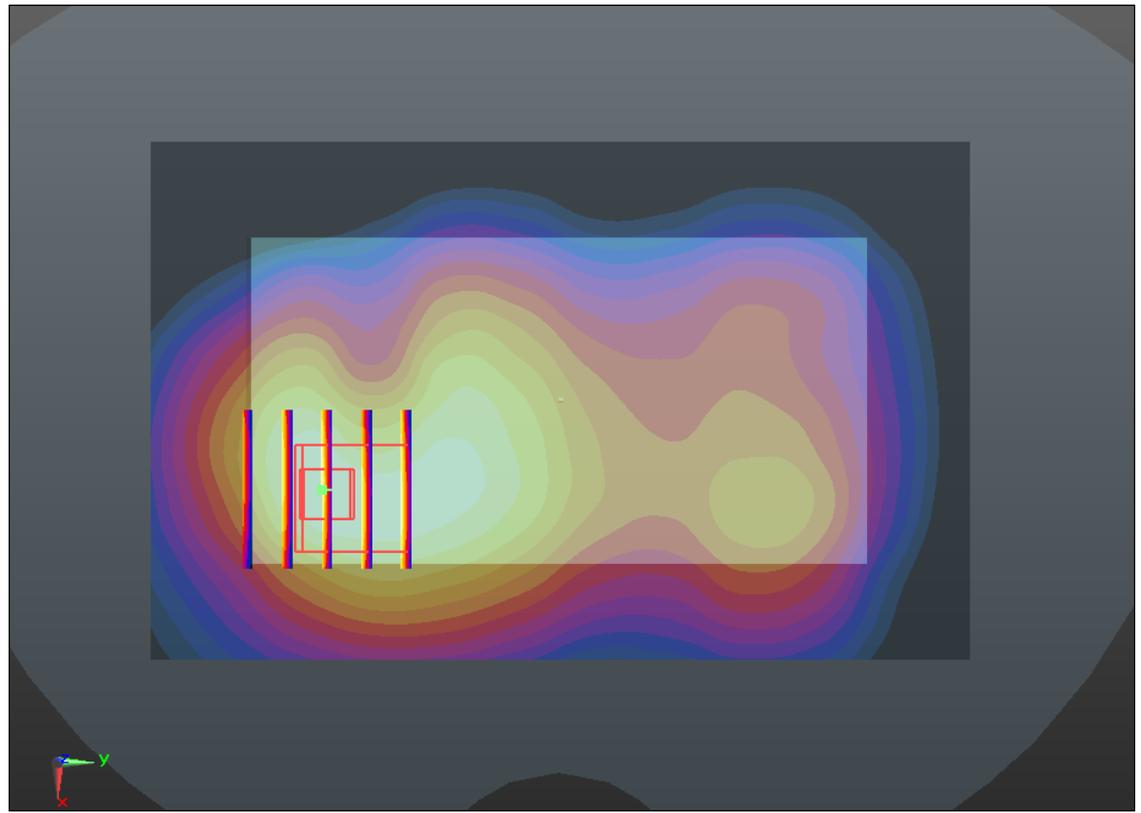
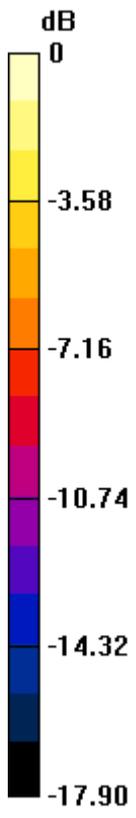
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.049 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.335 W/kg

SAR(1 g) = 0.798 mW/g; SAR(10 g) = 0.459 mW/g

Maximum value of SAR (measured) = 1.092 mW/g



0 dB = 1.090mW/g

#148 LTE Band 2_20M QPSK 50RB 0offset_Left Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.538 mW/g

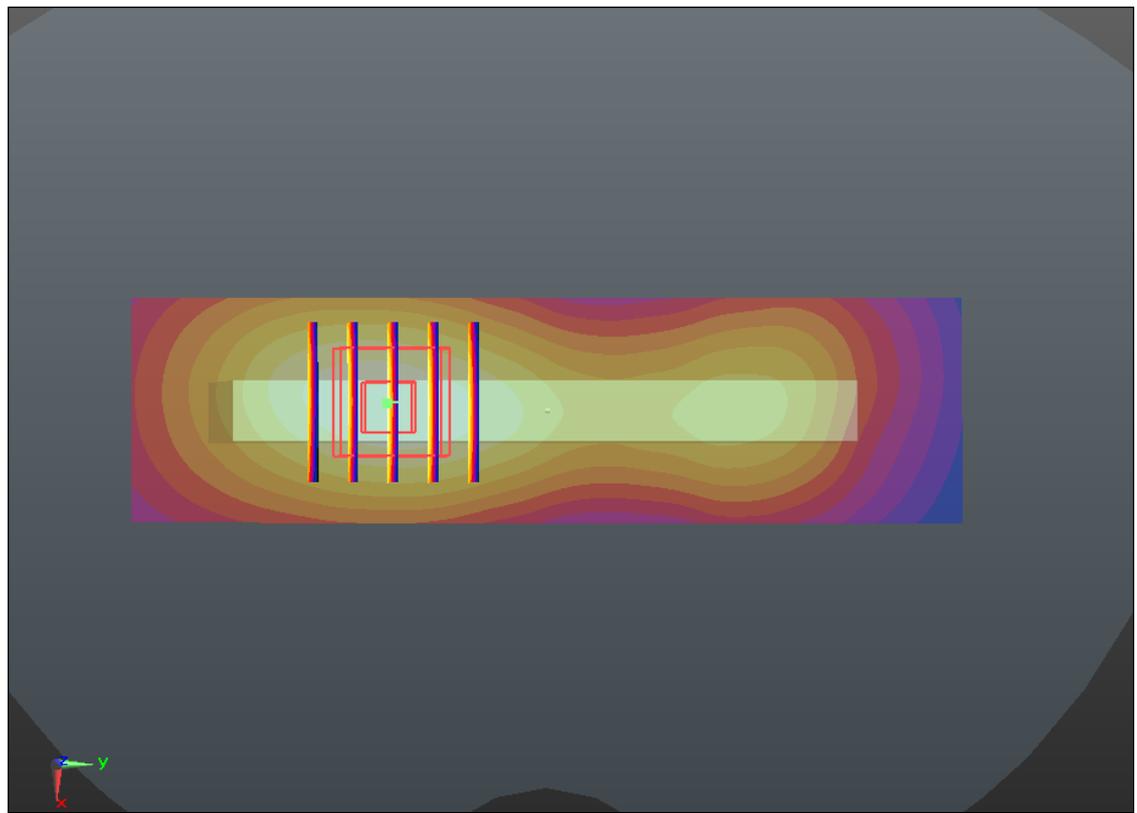
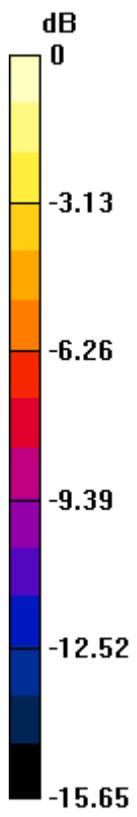
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.534 V/m; Power Drift = -0.0012 dB

Peak SAR (extrapolated) = 0.644 W/kg

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.529 mW/g



0 dB = 0.530mW/g

#149 LTE Band 2_20M QPSK 50RB 0offset_Right Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.023 mW/g

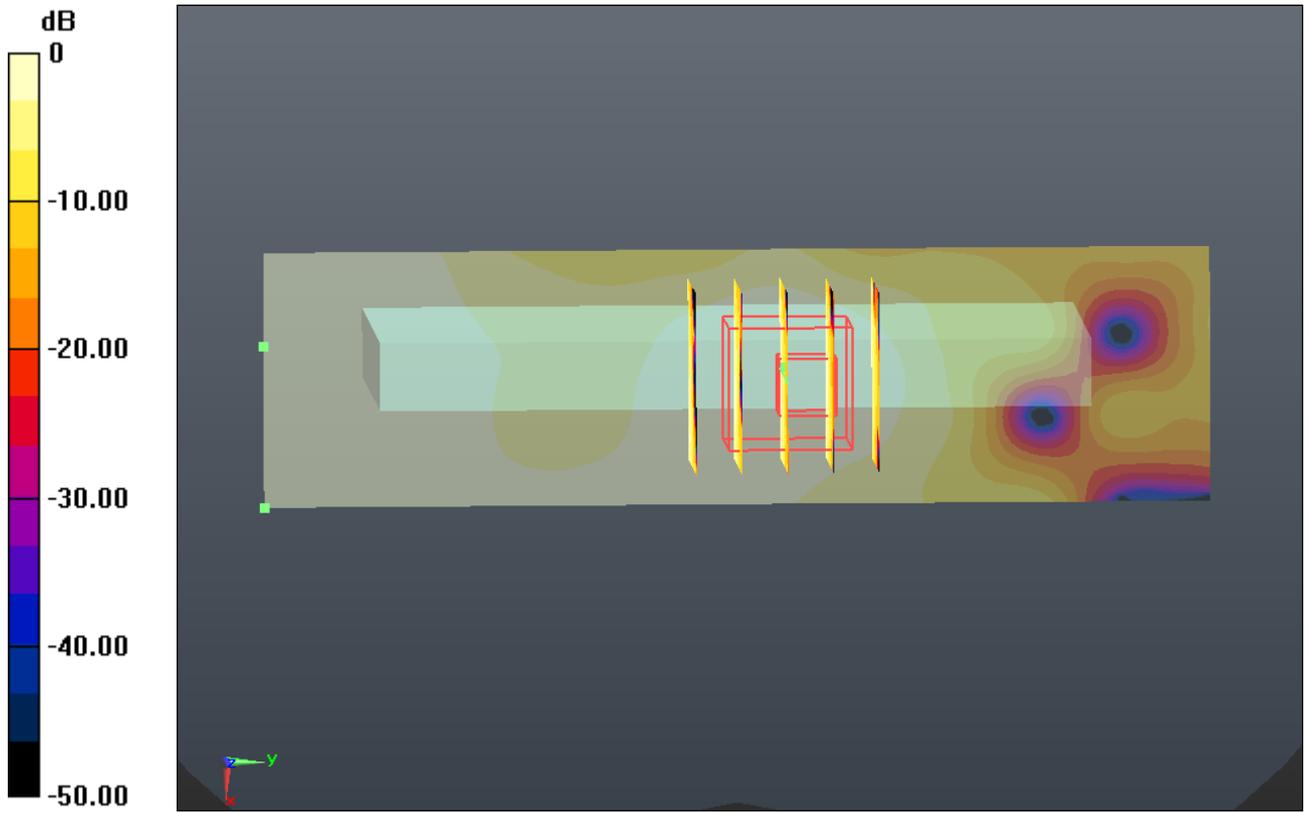
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.406 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.036 W/kg

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00814 mW/g

Maximum value of SAR (measured) = 0.021 mW/g



0 dB = 0.020mW/g

#150 LTE Band 2_20M QPSK 50RB 0offset_Bottom Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.704 mW/g

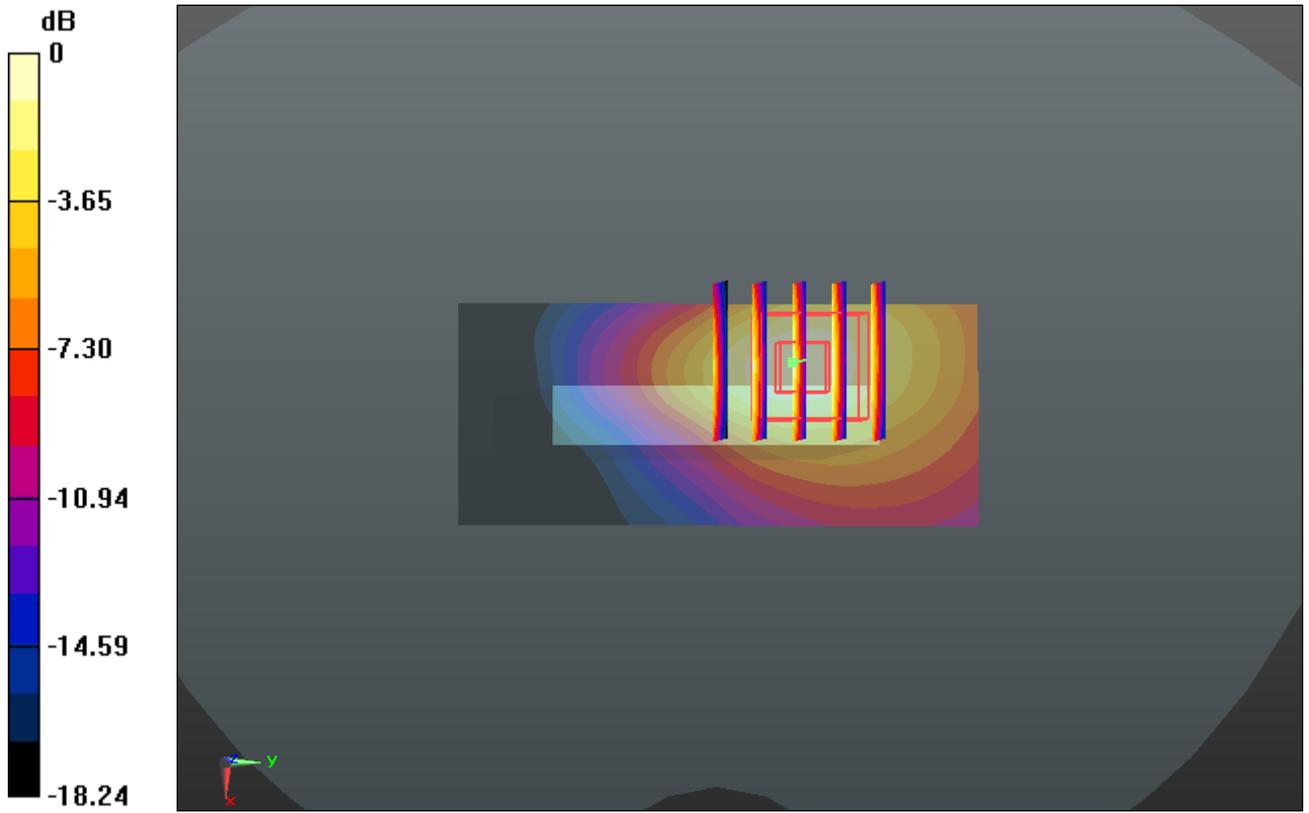
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.173 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.874 W/kg

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.278 mW/g

Maximum value of SAR (measured) = 0.705 mW/g



0 dB = 0.710mW/g

#151 LTE Band 2_20M QPSK 50RB 0offset_Back 1cm_Ch18700

DUT: 312303

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: MSL_1900_130228 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.501$ mho/m; $\epsilon_r =$

53.233 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.204 mW/g

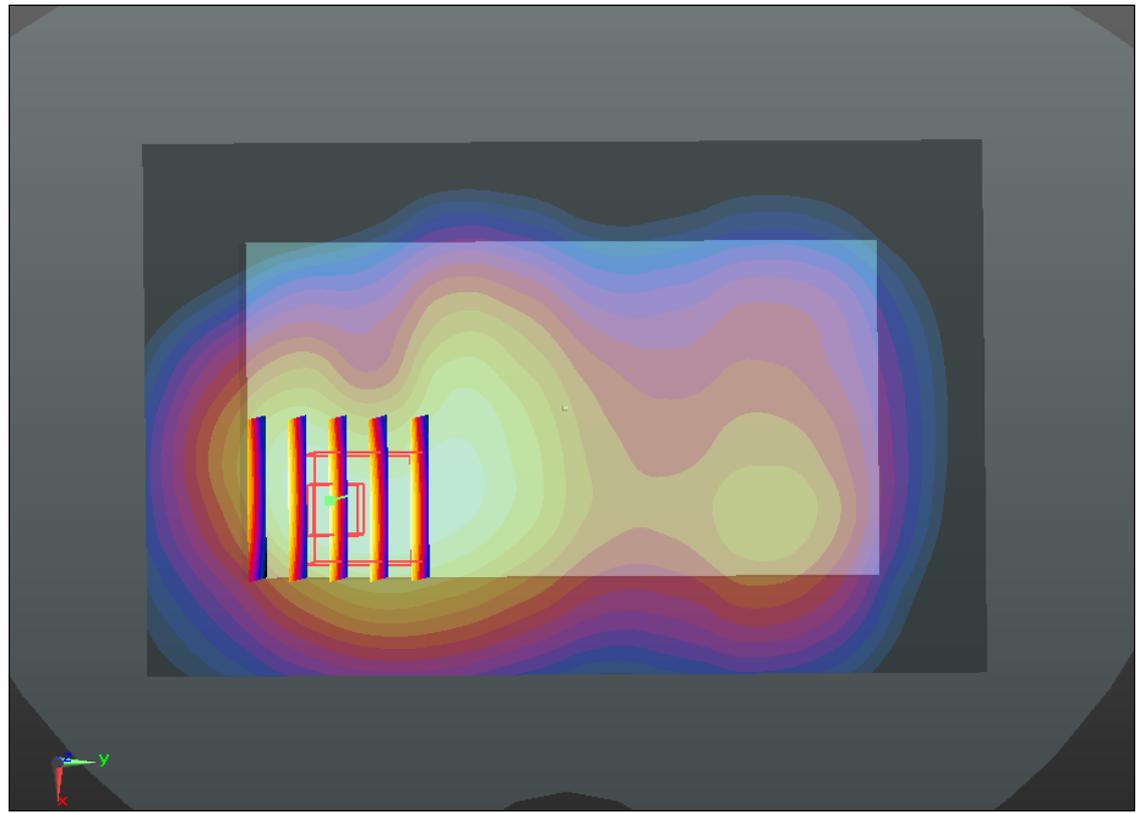
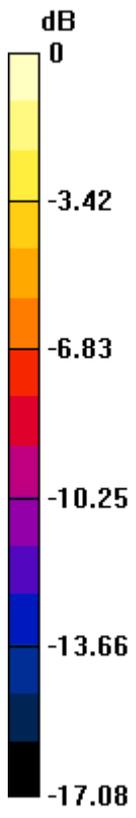
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.298 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.423 W/kg

SAR(1 g) = 0.865 mW/g; SAR(10 g) = 0.505 mW/g

Maximum value of SAR (measured) = 1.159 mW/g



0 dB = 1.160mW/g

#152 LTE Band 2_20M QPSK 50RB 0offset_Back 1cm_Ch19100

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.158 mW/g

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.039 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.358 W/kg

SAR(1 g) = 0.802 mW/g; SAR(10 g) = 0.452 mW/g

Maximum value of SAR (measured) = 1.110 mW/g

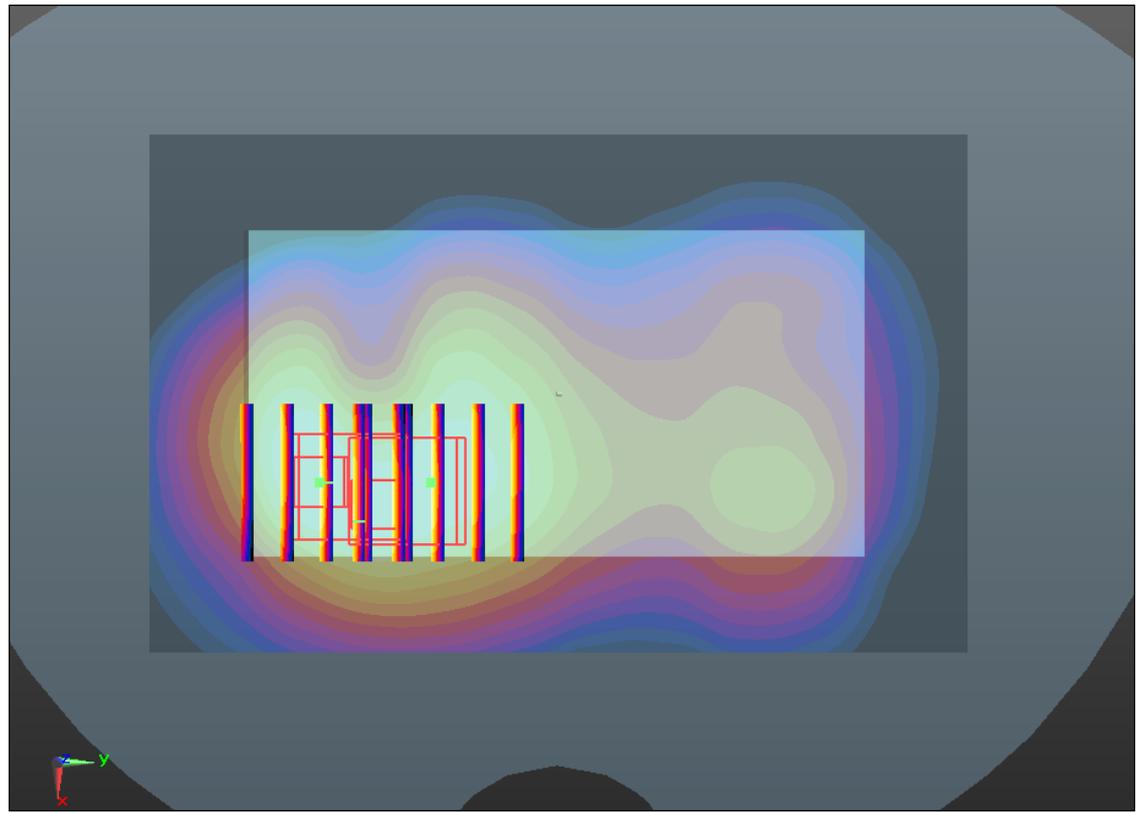
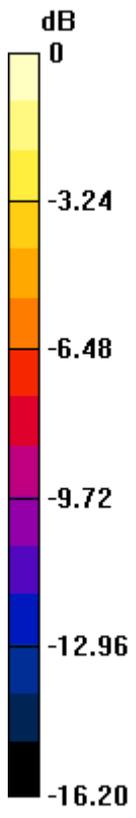
Ch19100/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.039 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 1.255 W/kg

SAR(1 g) = 0.729 mW/g; SAR(10 g) = 0.434 mW/g

Maximum value of SAR (measured) = 0.971 mW/g



0 dB = 0.970mW/g

#153 LTE Band 2_20M QPSK 100RB 0offset_Front 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.760 mW/g

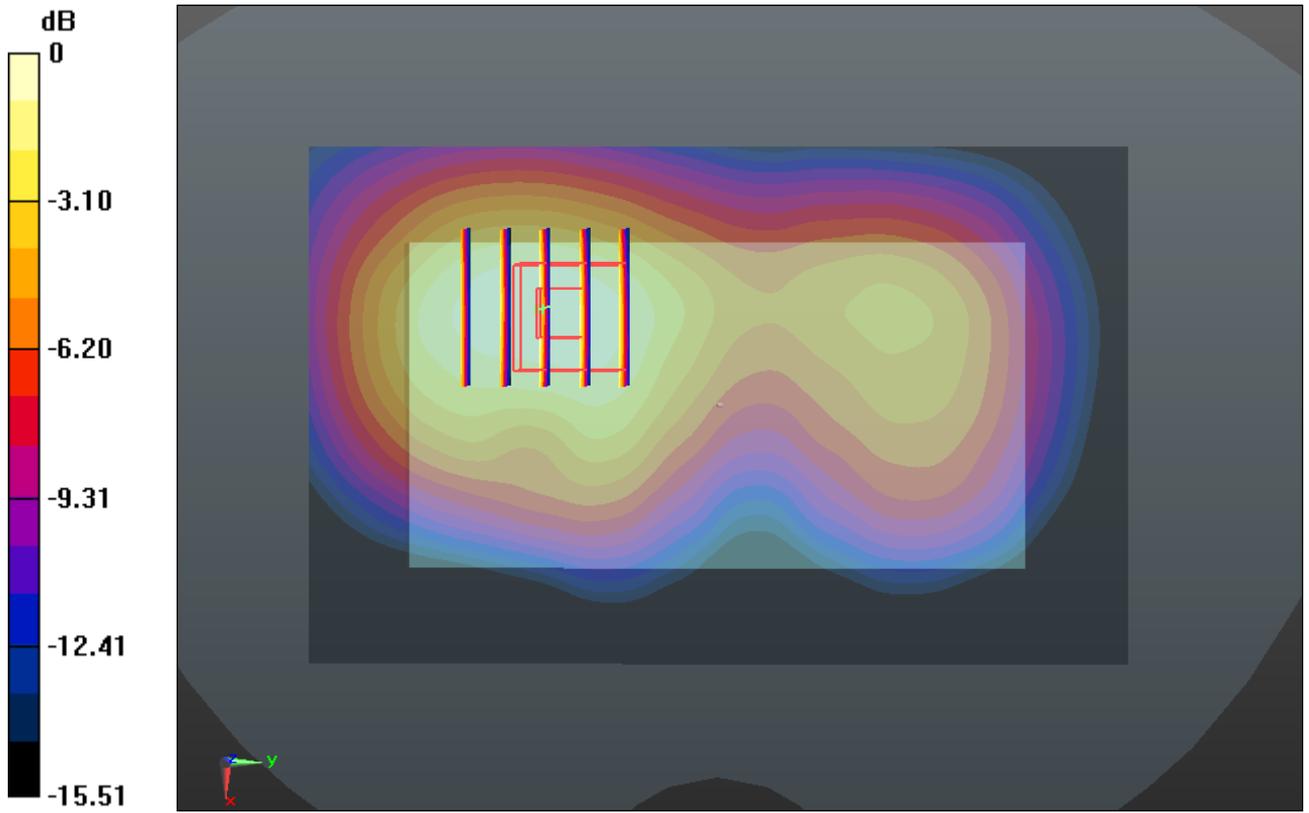
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.925 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.917 W/kg

SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.749 mW/g



0 dB = 0.750mW/g

#154 LTE Band 2_20M QPSK 100RB 0offset_Back 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.526$ mho/m; $\epsilon_r =$

53.194 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.167 mW/g

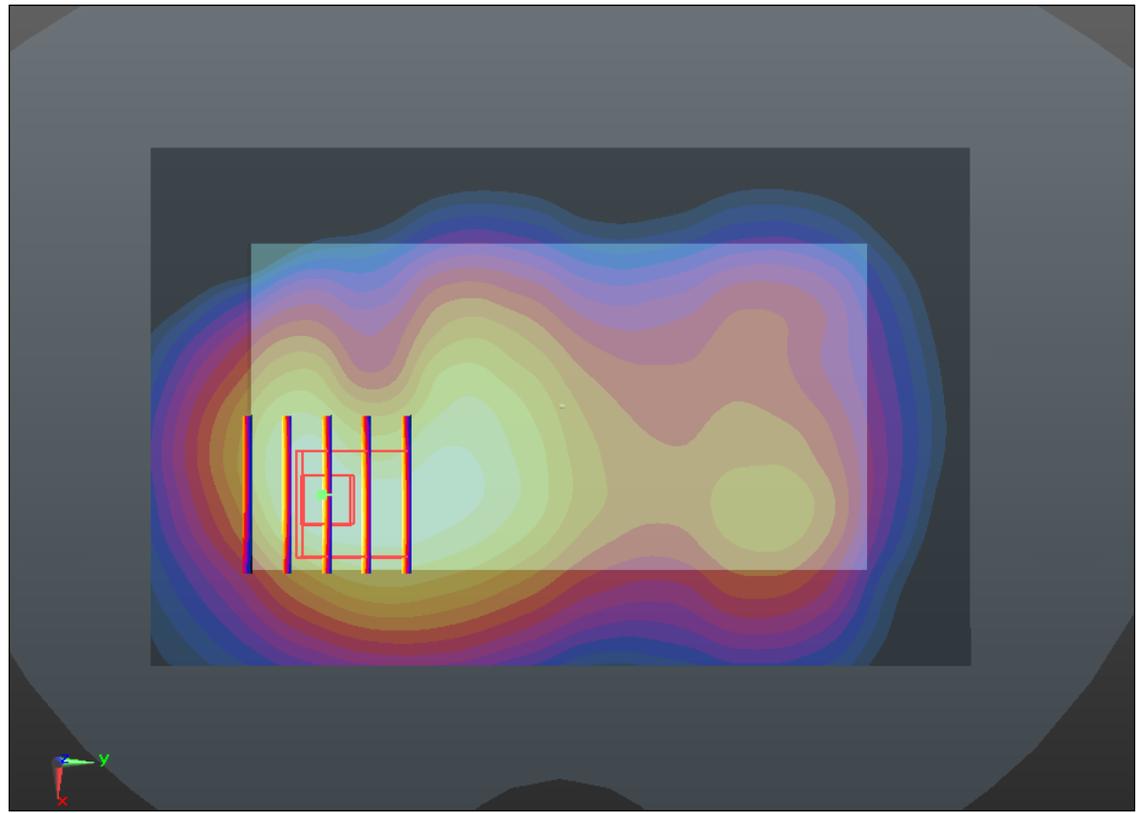
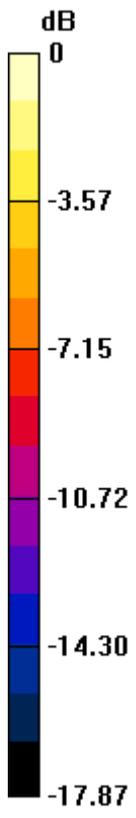
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.253 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.376 W/kg

SAR(1 g) = 0.823 mW/g; SAR(10 g) = 0.472 mW/g

Maximum value of SAR (measured) = 1.125 mW/g



0 dB = 1.130mW/g

#155 LTE Band 2_20M QPSK 100RB 0offset_Left Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.536 mW/g

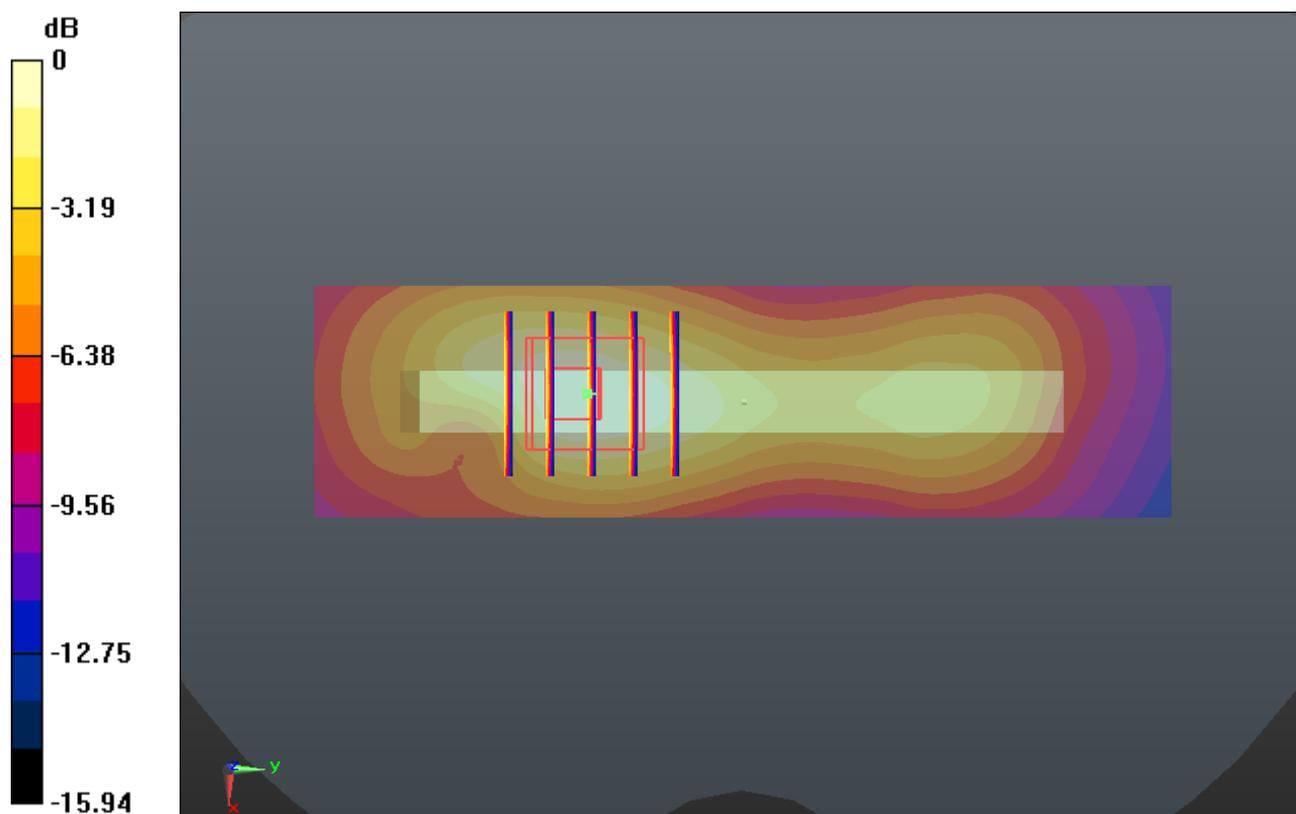
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.714 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.647 W/kg

SAR(1 g) = 0.395 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.525 mW/g



0 dB = 0.530mW/g

#156 LTE Band 2_20M QPSK 100RB 0offset_Right Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.014 mW/g

Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.746 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.019 W/kg

SAR(1 g) = 0.013 mW/g; SAR(10 g) = 0.0086 mW/g

Maximum value of SAR (measured) = 0.016 mW/g

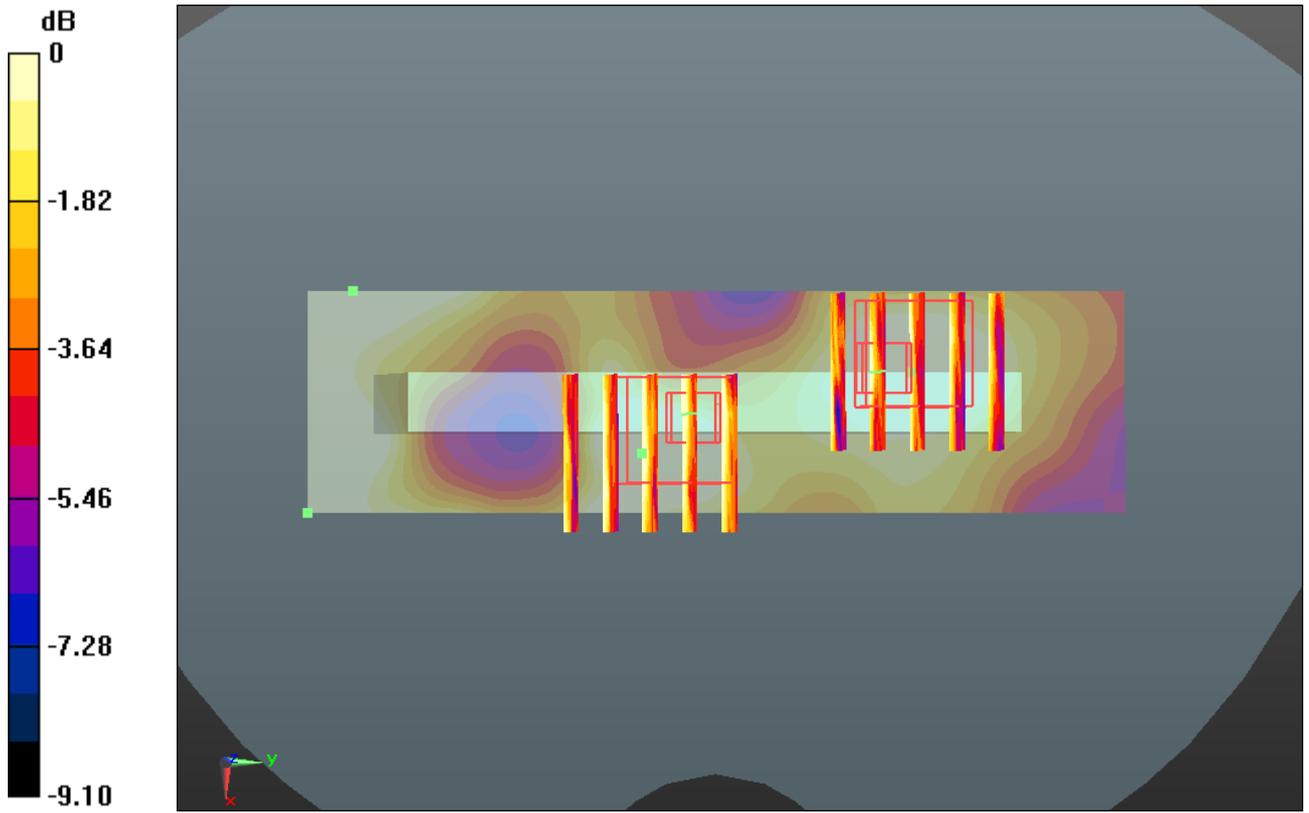
Ch19100/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.746 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.015 W/kg

SAR(1 g) = 0.010 mW/g; SAR(10 g) = 0.0067 mW/g

Maximum value of SAR (measured) = 0.014 mW/g



0 dB = 0.010mW/g

#157 LTE Band 2_20M QPSK 100RB 0offset_Bottom Side 1cm_Ch18900

DUT: 312303

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

Medium: MSL_1900_130228 Medium parameters used: $f = 1900$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r =$

53.139; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch19100/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.719 mW/g

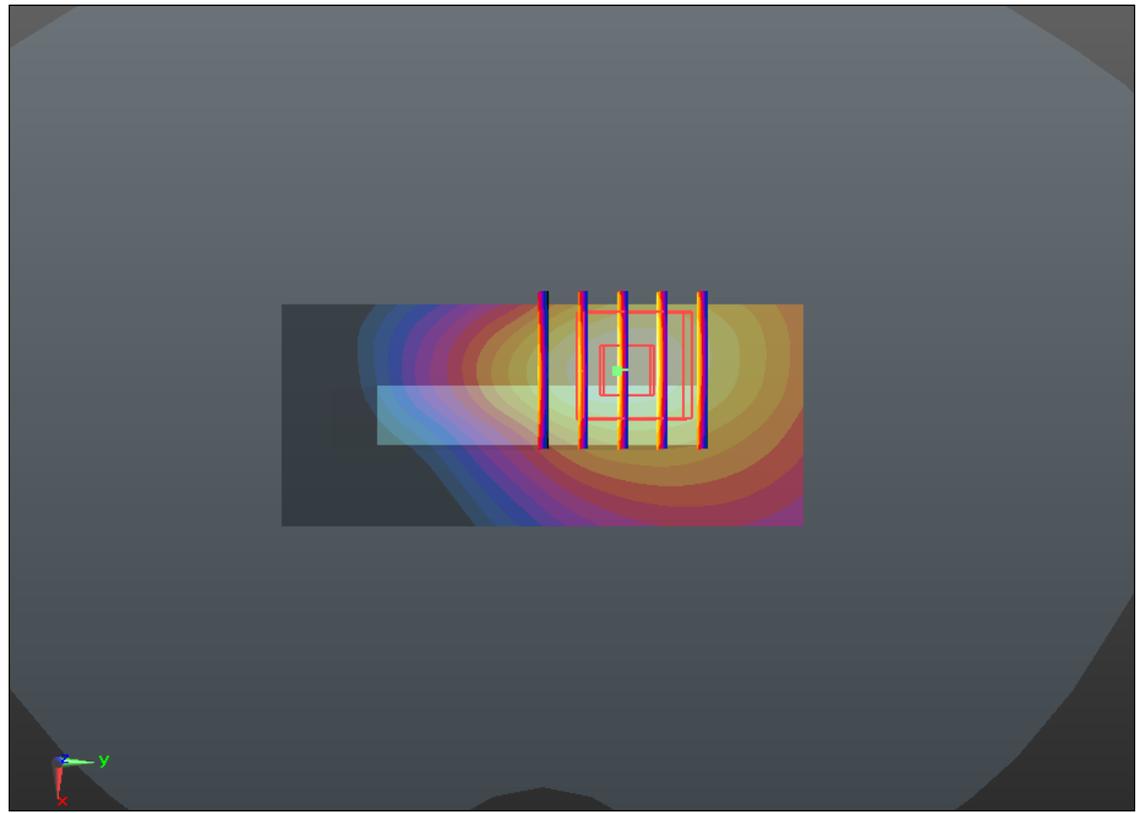
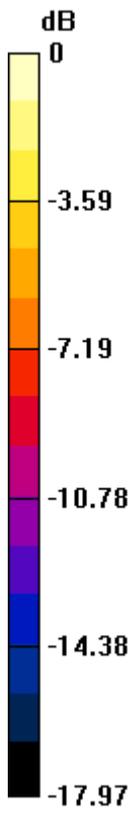
Ch19100/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.174 V/m; Power Drift = 0.02dB

Peak SAR (extrapolated) = 0.869 W/kg

SAR(1 g) = 0.510 mW/g; SAR(10 g) = 0.278 mW/g

Maximum value of SAR (measured) = 0.704 mW/g



0 dB = 0.700mW/g

#158 LTE Band 4_20M QPSK 1RB 0offset_Front 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.356 mW/g

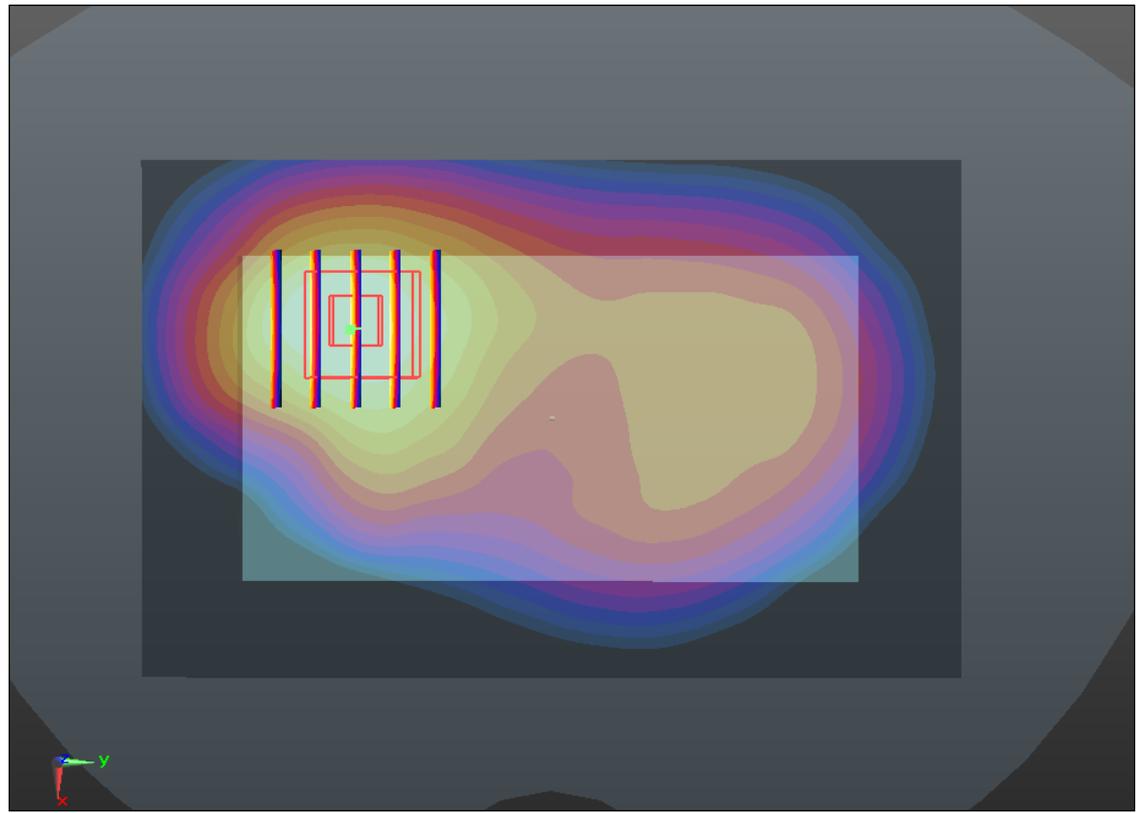
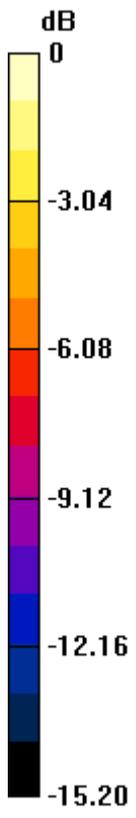
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.209 V/m; Power Drift = -0.12dB

Peak SAR (extrapolated) = 1.418 W/kg

SAR(1 g) = 0.911 mW/g; SAR(10 g) = 0.545 mW/g

Maximum value of SAR (measured) = 1.182 mW/g



0 dB = 1.180mW/g

#159 LTE Band 4_20M QPSK 1RB 0offset_Back 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.417 mW/g

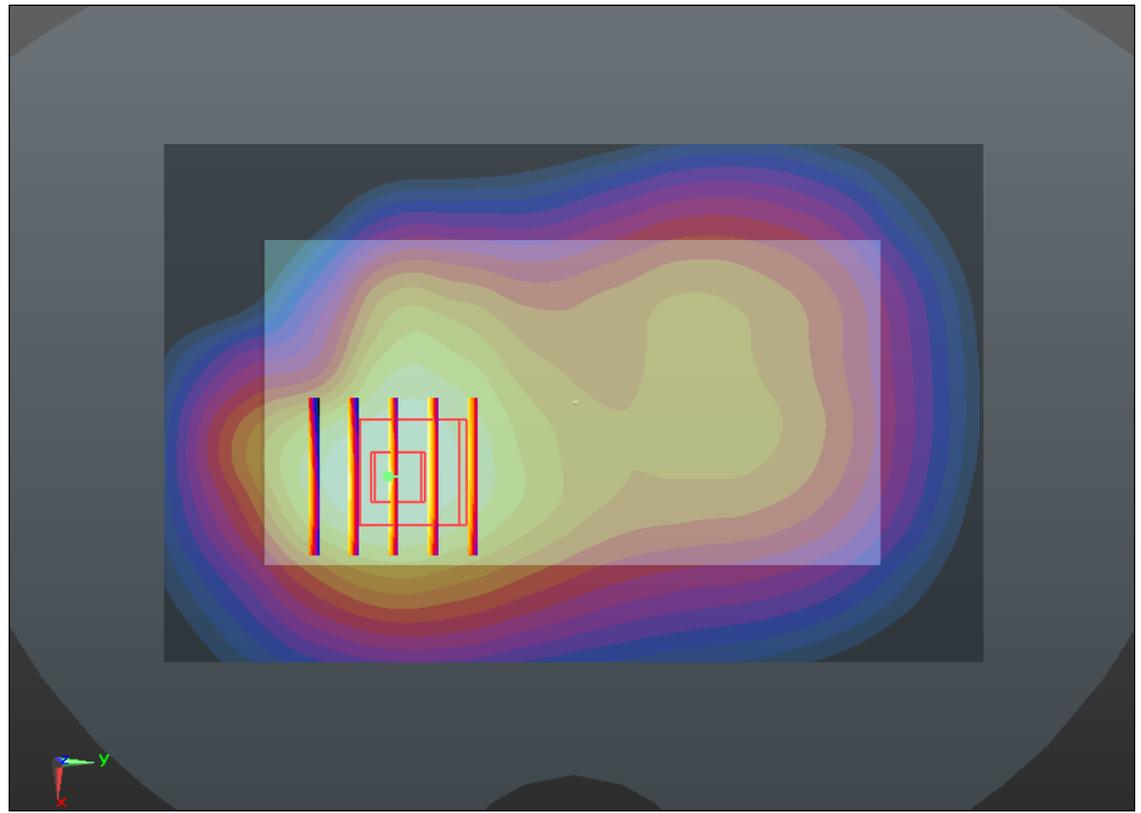
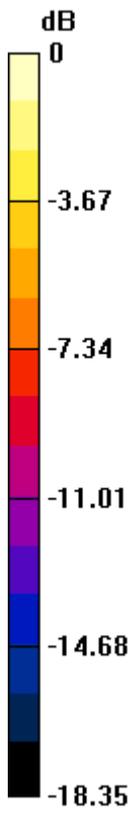
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.609 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.481 W/kg

SAR(1 g) = 0.990 mW/g; SAR(10 g) = 0.610 mW/g

Maximum value of SAR (measured) = 1.268 mW/g



0 dB = 1.270mW/g

#160 LTE Band 4_20M QPSK 1RB 0offset_Left Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

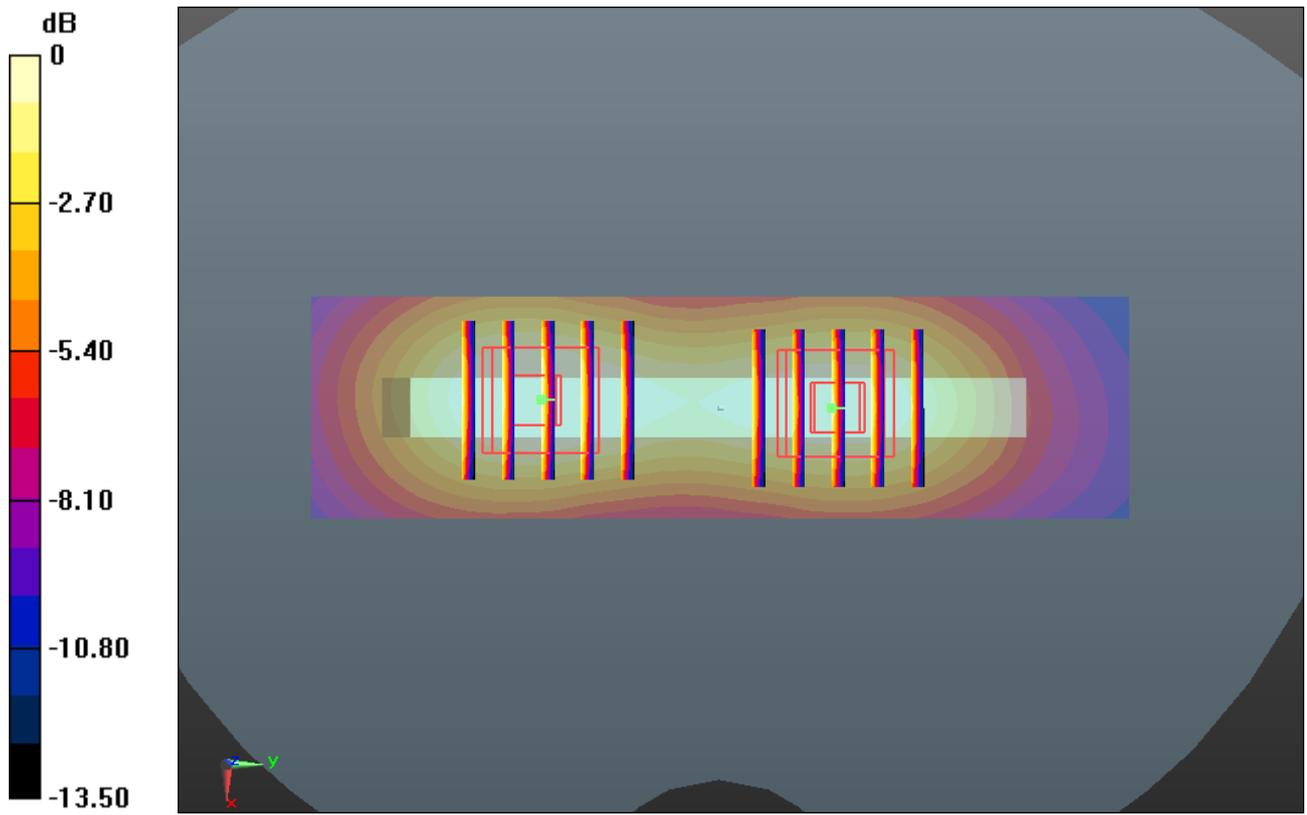
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.563 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.653 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.639 W/kg
SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.250 mW/g
Maximum value of SAR (measured) = 0.534 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 14.653 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 0.542 W/kg
SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.222 mW/g
Maximum value of SAR (measured) = 0.459 mW/g



0 dB = 0.460mW/g

#161 LTE Band 4_20M QPSK 1RB 0offset_Right Side 1cm_Ch20175

DUT: 312303

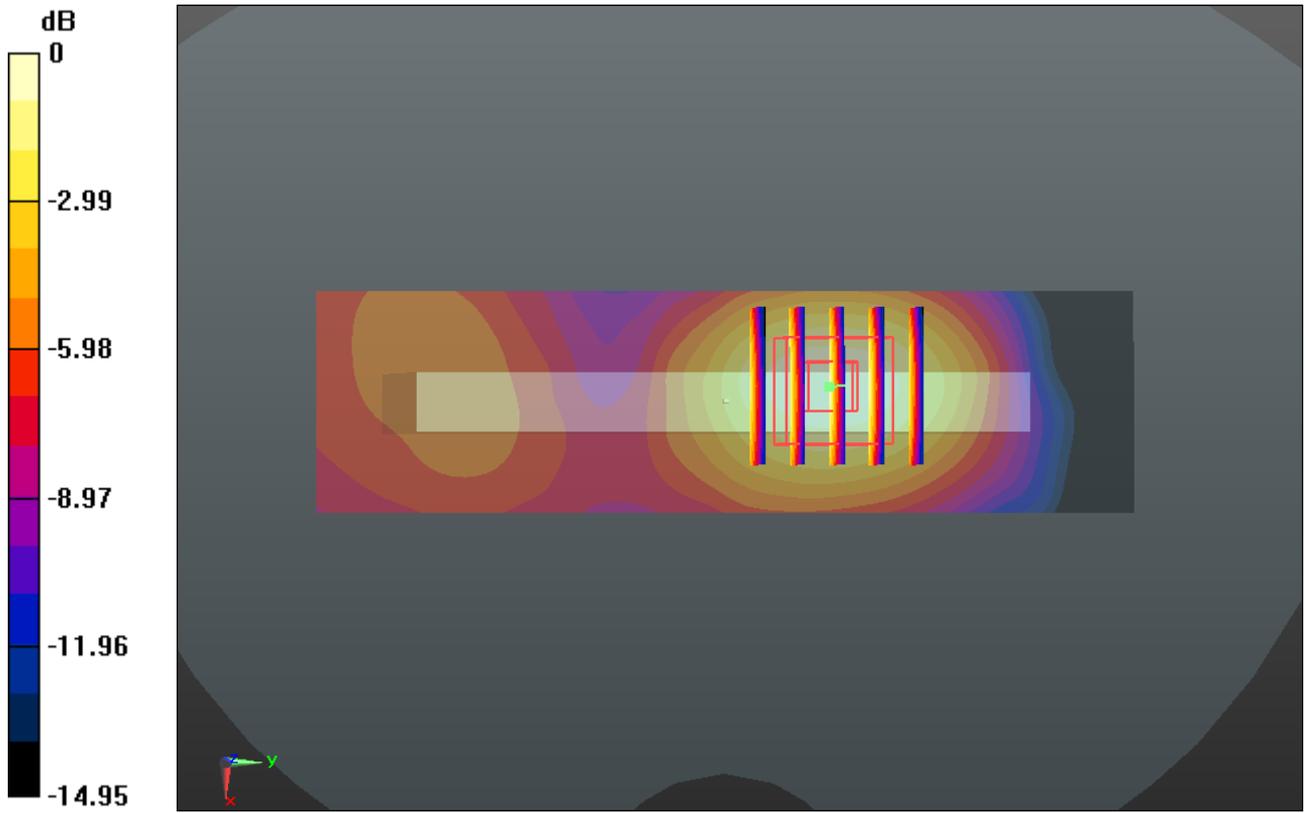
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.199 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,
dy=8mm, dz=5mm
Reference Value = 7.977 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 0.235 W/kg
SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.092 mW/g
Maximum value of SAR (measured) = 0.196 mW/g



0 dB = 0.200mW/g

#162 LTE Band 4_20M QPSK 1RB 0offset_Bottom Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.270 mW/g

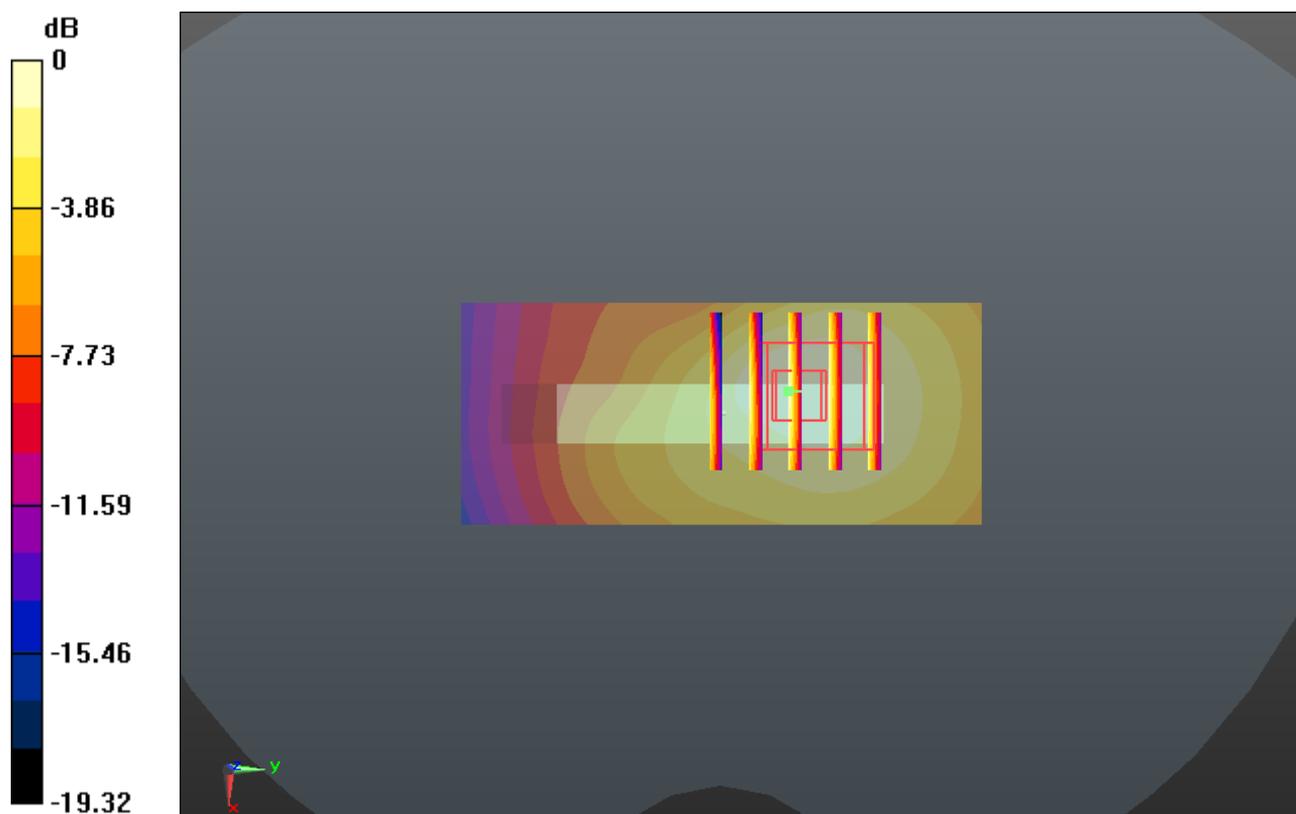
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.466 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.322 W/kg

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.274 mW/g



0 dB = 0.270mW/g

#163 LTE Band 4_20M QPSK 1RB 0offset_Front 1cm_Ch20050

DUT: 312303

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.485$ mho/m; $\epsilon_r =$

54.988; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.221 mW/g

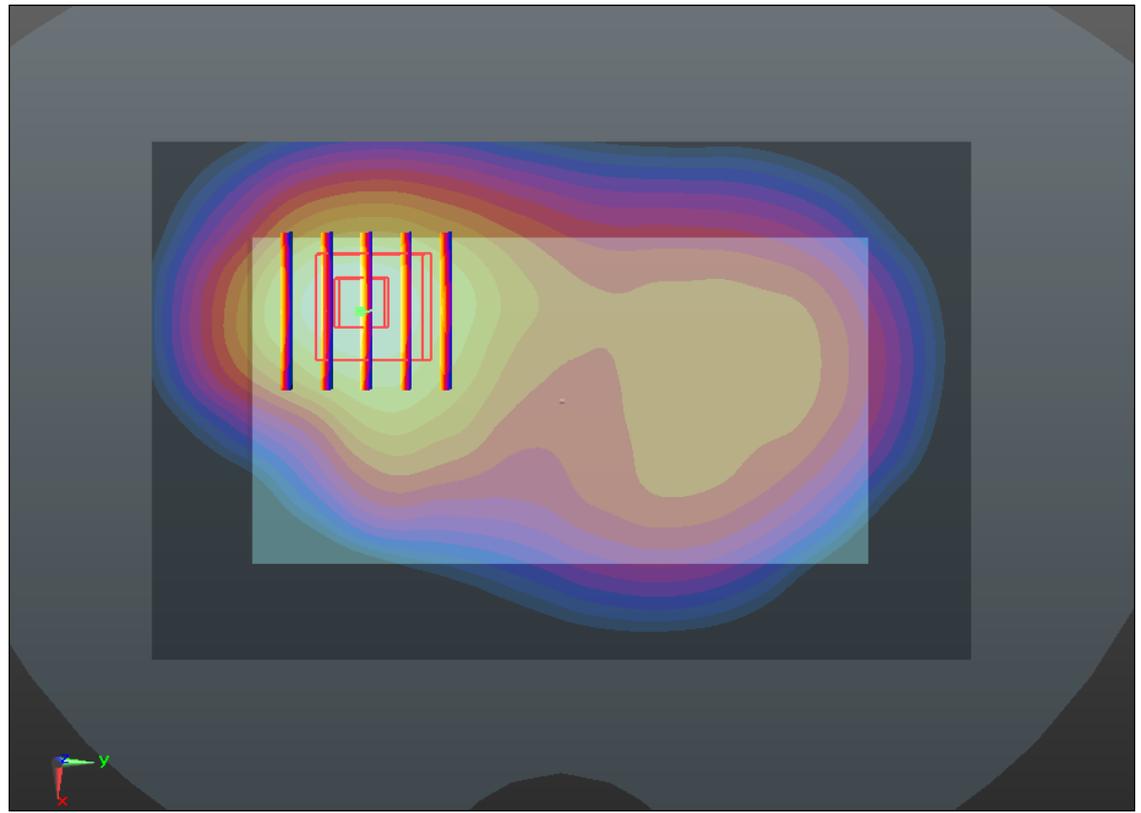
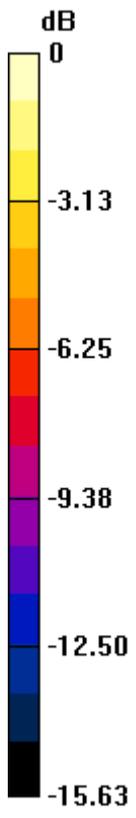
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.014 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 1.401 W/kg

SAR(1 g) = 0.902 mW/g; SAR(10 g) = 0.541 mW/g

Maximum value of SAR (measured) = 1.161 mW/g



0 dB = 1.160mW/g

#164 LTE Band 4_20M QPSK 1RB 0offset_Front 1cm_Ch20300

DUT: 312303

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.946; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.266 mW/g

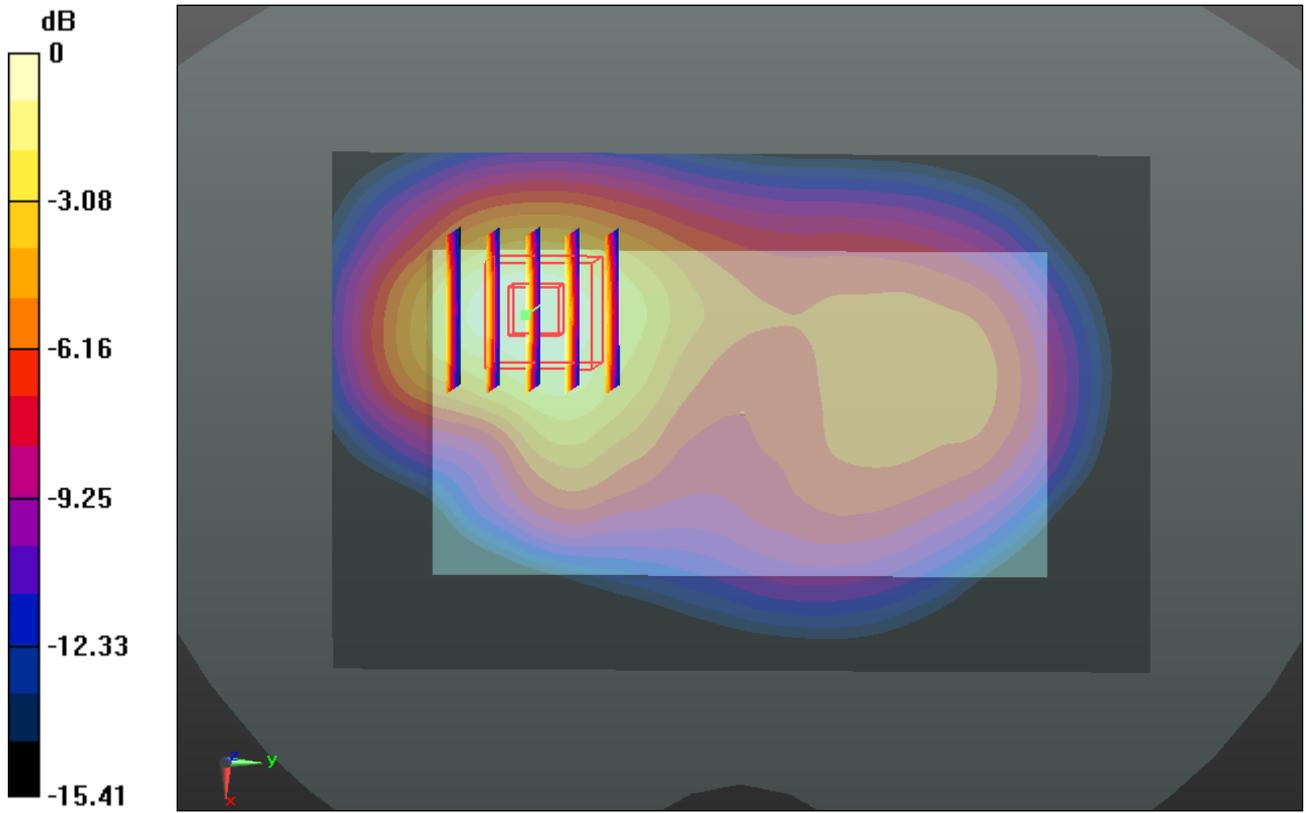
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.404 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.439 W/kg

SAR(1 g) = 0.921 mW/g; SAR(10 g) = 0.550 mW/g

Maximum value of SAR (measured) = 1.203 mW/g



#165 LTE Band 4_20M QPSK 1RB 0offset_Back 1cm_Ch20050

DUT: 312303

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.485$ mho/m; $\epsilon_r =$

54.988; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.239 mW/g

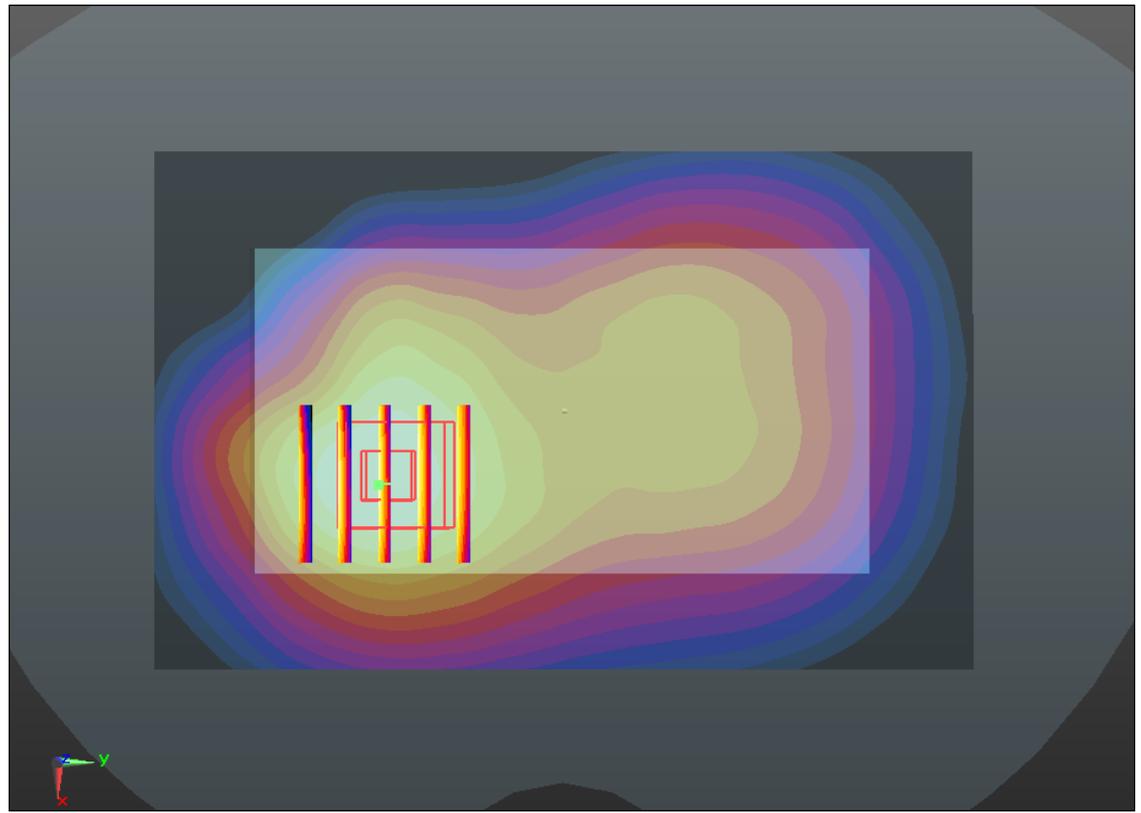
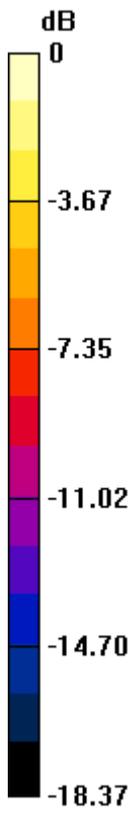
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.891 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.393 W/kg

SAR(1 g) = 0.924 mW/g; SAR(10 g) = 0.573 mW/g

Maximum value of SAR (measured) = 1.179 mW/g



0 dB = 1.180mW/g

#166 LTE Band 4_20M QPSK 1RB 0offset_Back 1cm_Ch20300

DUT: 312303

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.946; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.335 mW/g

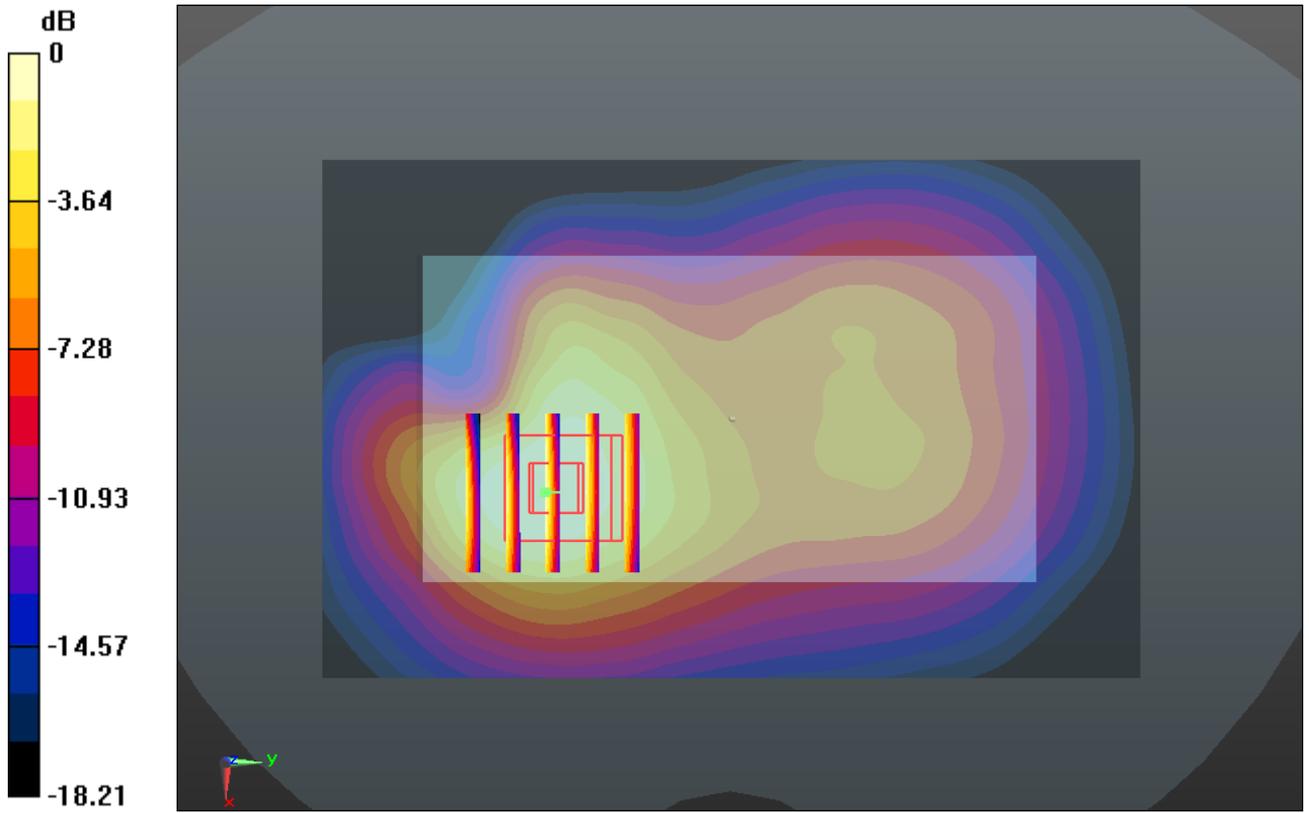
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.892 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.452 W/kg

SAR(1 g) = 0.953 mW/g; SAR(10 g) = 0.577 mW/g

Maximum value of SAR (measured) = 1.232 mW/g



0 dB = 1.230mW/g

#167 LTE Band 4_20M QPSK 50RB 0offset_Front 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.962 mW/g

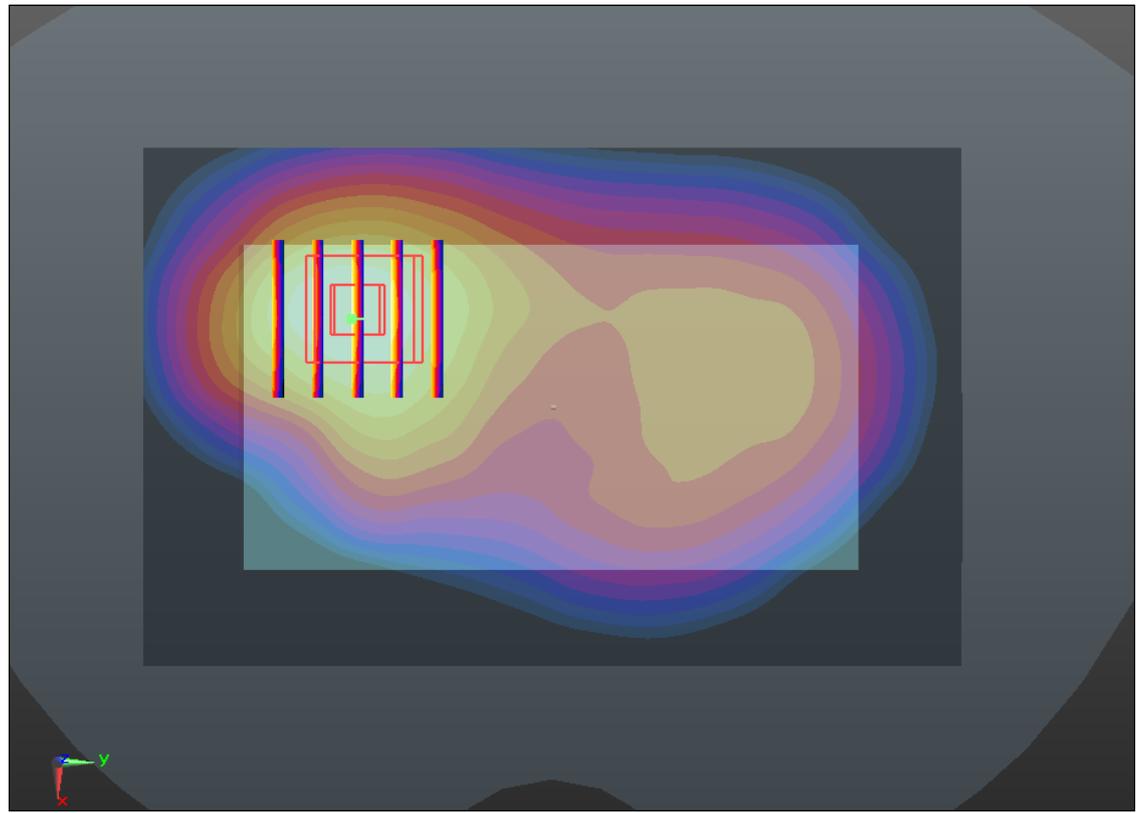
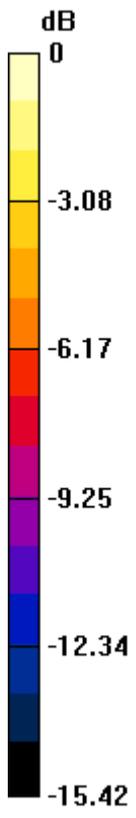
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm,
dy=8mm, dz=5mm

Reference Value = 10.101 V/m; Power Drift = 0.1 dB

Peak SAR (extrapolated) = 1.072 W/kg

SAR(1 g) = 0.686 mW/g; SAR(10 g) = 0.409 mW/g

Maximum value of SAR (measured) = 0.887 mW/g



0 dB = 0.890mW/g

#168 LTE Band 4_20M QPSK 50RB 0offset_Back 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.991 mW/g

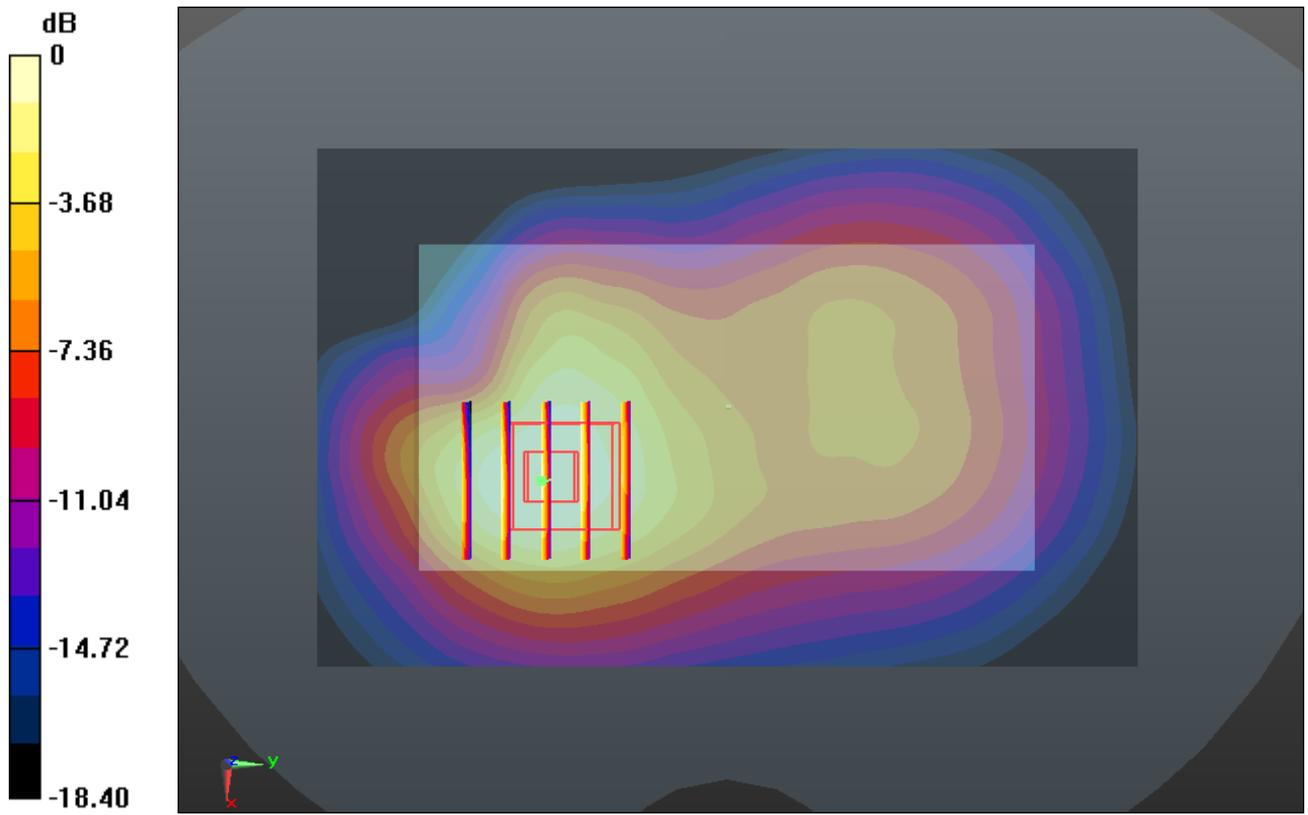
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.476 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.079 W/kg

SAR(1 g) = 0.719 mW/g; SAR(10 g) = 0.442 mW/g

Maximum value of SAR (measured) = 0.916 mW/g



0 dB = 0.920mW/g

#169 LTE Band 4_20M QPSK 50RB 0offset_Left Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

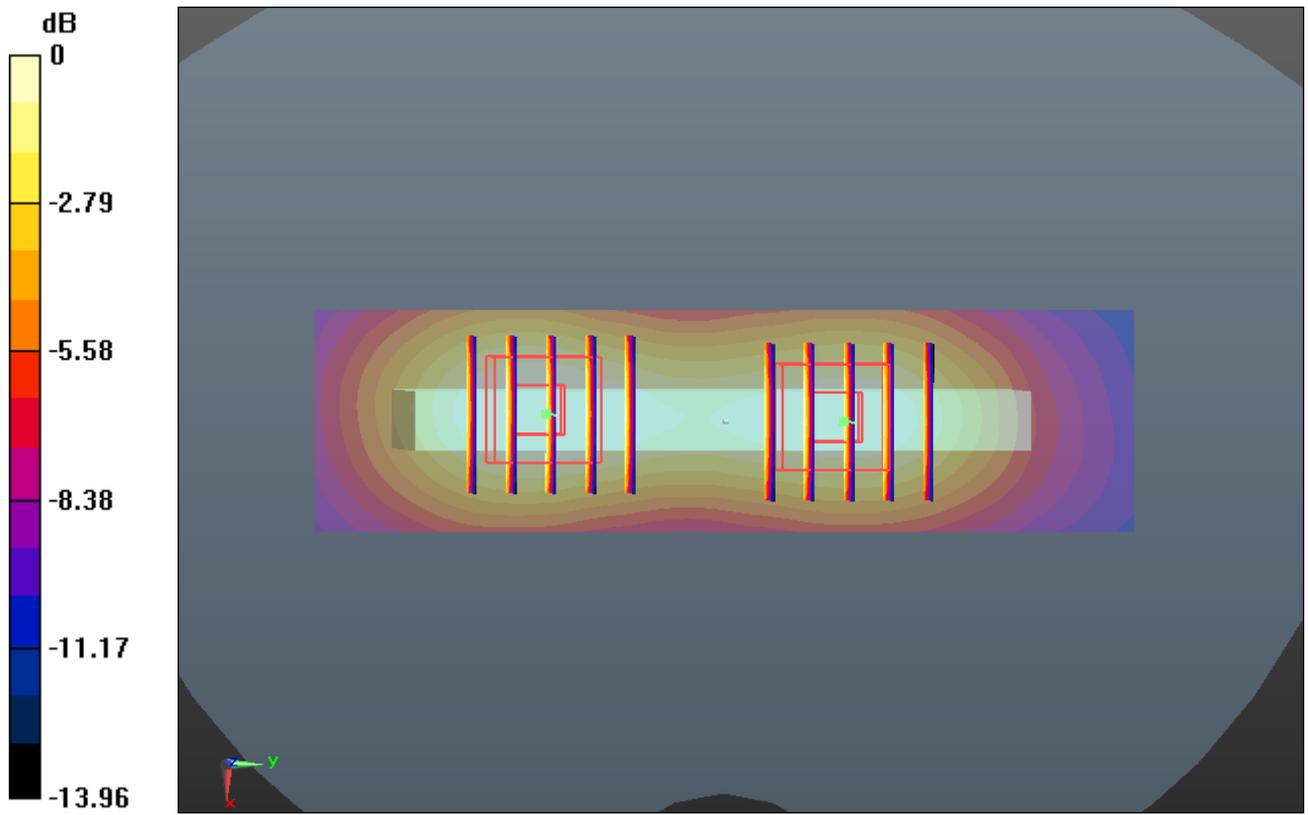
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.402 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.556 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.475 W/kg
SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.184 mW/g
Maximum value of SAR (measured) = 0.397 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.556 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.403 W/kg
SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.164 mW/g
Maximum value of SAR (measured) = 0.342 mW/g



0 dB = 0.340mW/g

#170 LTE Band 4_20M QPSK 50RB 0offset_Right Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.130 mW/g

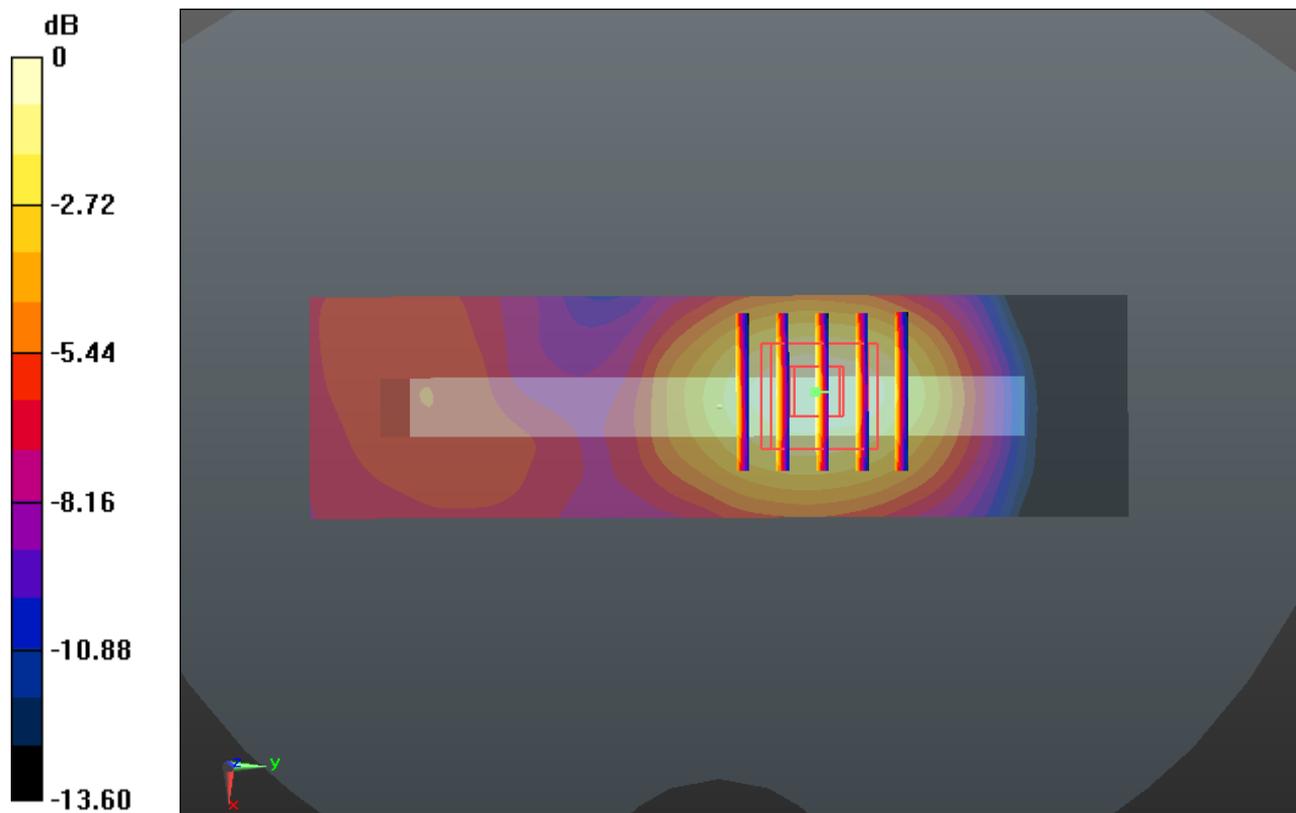
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.020 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.133 mW/g



0 dB = 0.130mW/g

#171 LTE Band 4_20M QPSK 50RB 0offset_Bottom Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.204 mW/g

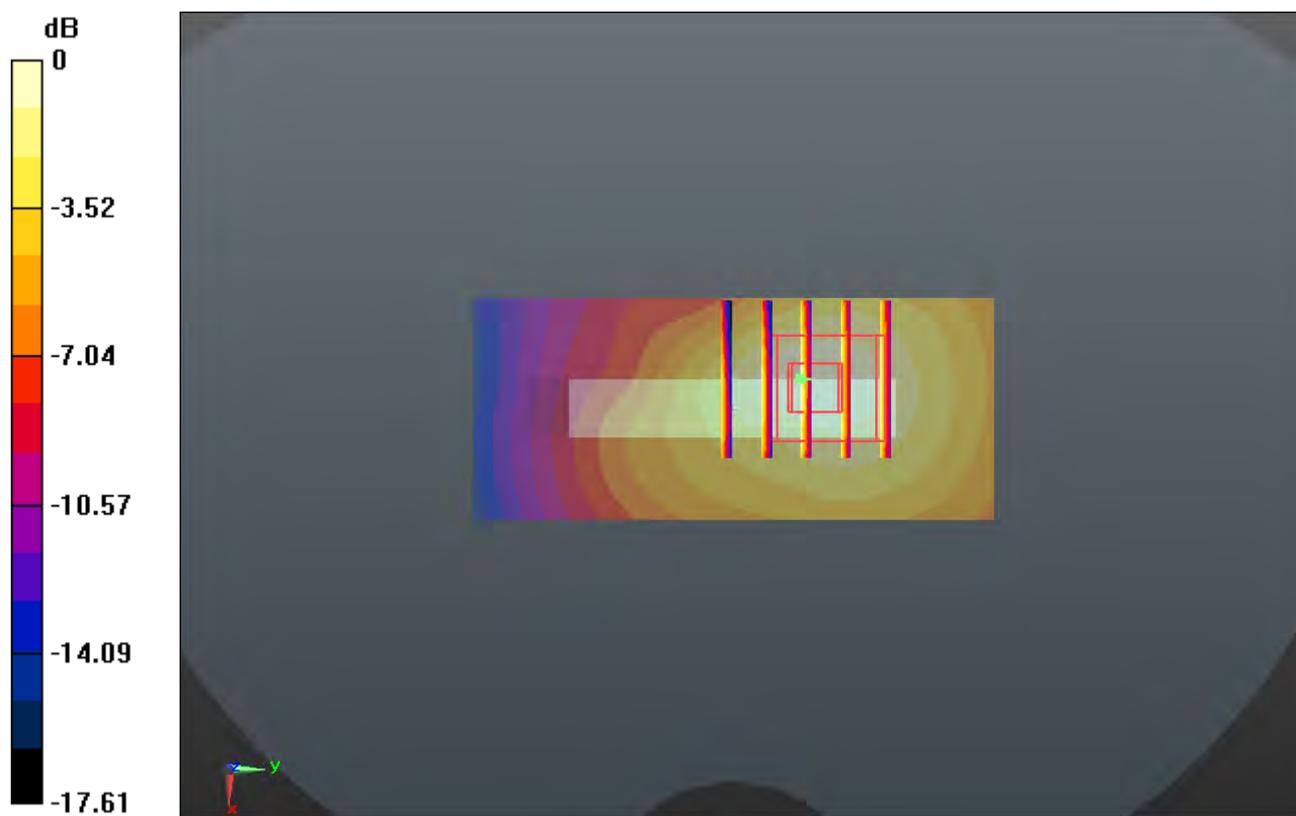
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.095 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.249 W/kg

SAR(1 g) = 0.160 mW/g; SAR(10 g) = 0.098 mW/g

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



0 dB = 0.210mW/g

#172 LTE Band 4_20M QPSK 50RB 0offset_Front 1cm_Ch20050

DUT: 312303

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.485$ mho/m; $\epsilon_r =$

54.988 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.907 mW/g

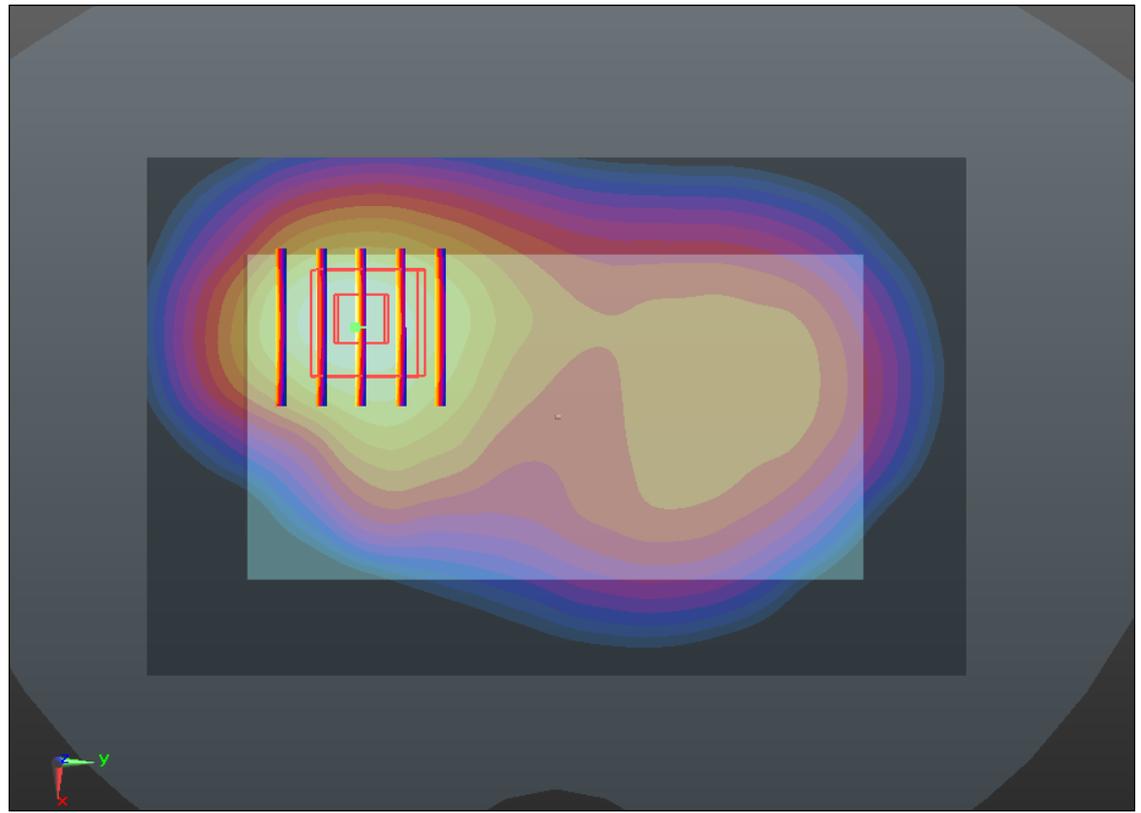
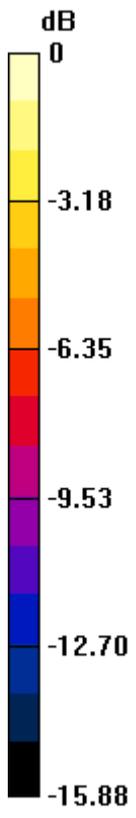
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.335 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.060 W/kg

SAR(1 g) = 0.679 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.882 mW/g



0 dB = 0.880mW/g

#173 LTE Band 4_20M QPSK 50RB 0offset_Front 1cm_Ch20300

DUT: 312303

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.946; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.865 mW/g

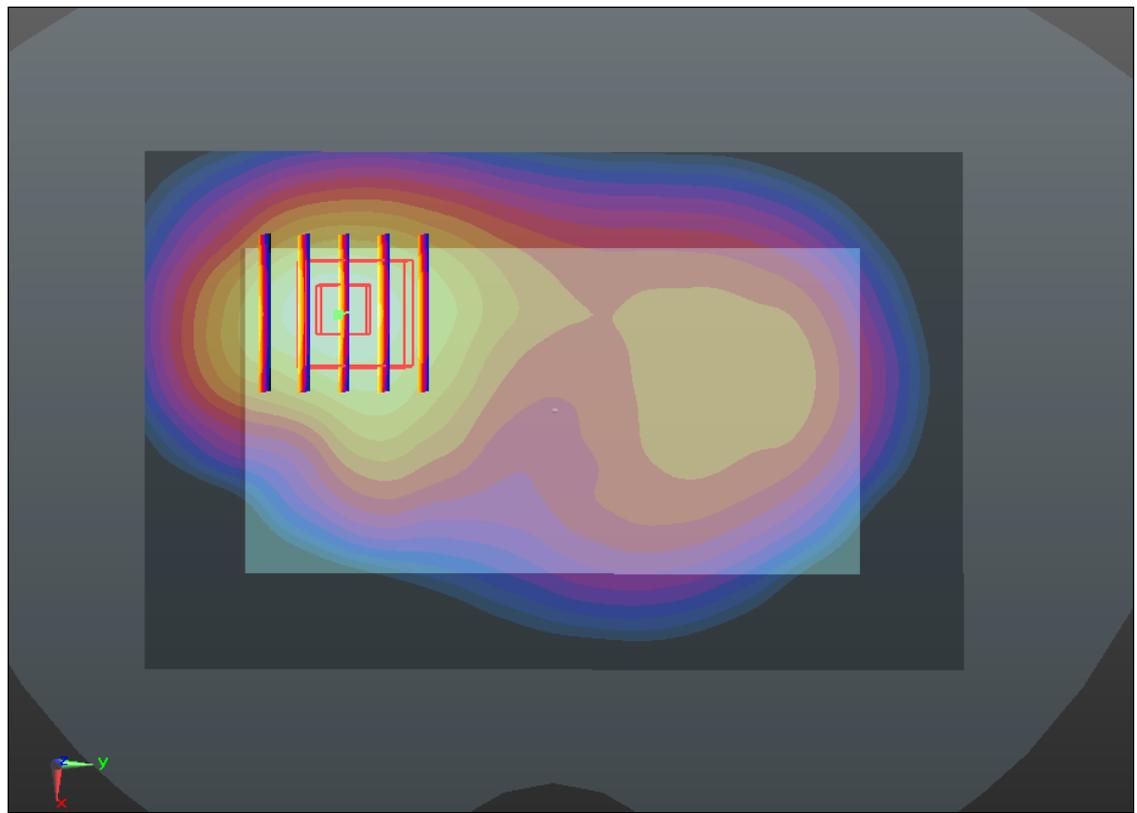
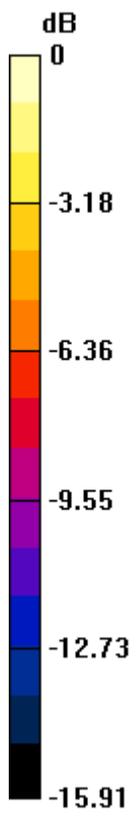
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.286 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.033 W/kg

SAR(1 g) = 0.654 mW/g; SAR(10 g) = 0.389 mW/g

Maximum value of SAR (measured) = 0.859 mW/g



0 dB = 0.860mW/g

#174 LTE Band 4_20M QPSK 50RB 0offset_Back 1cm_Ch20050

DUT: 312303

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.485$ mho/m; $\epsilon_r =$

54.988; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20050/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.936 mW/g

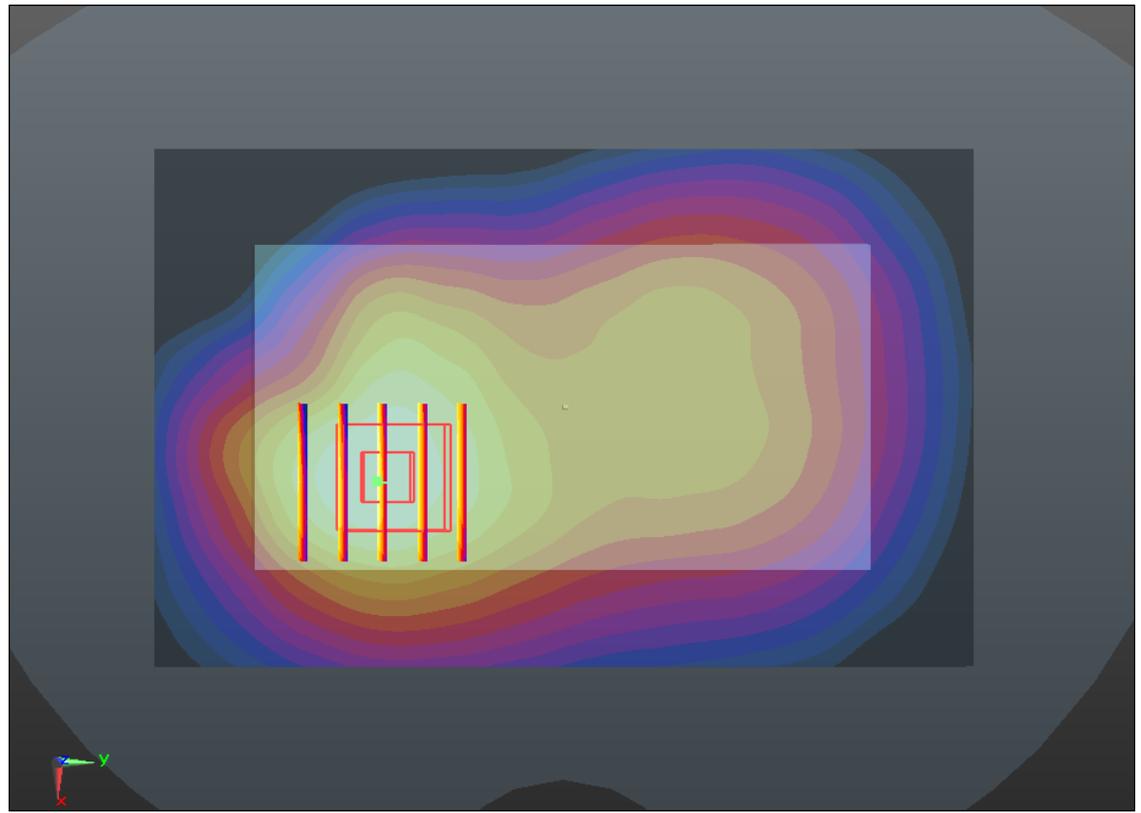
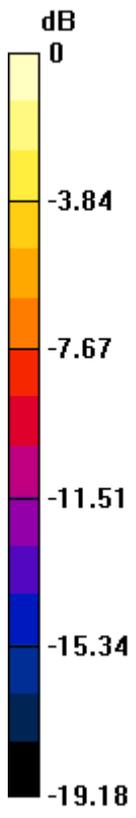
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.747 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 1.043 W/kg

SAR(1 g) = 0.689 mW/g; SAR(10 g) = 0.423 mW/g

Maximum value of SAR (measured) = 0.888 mW/g



0 dB = 0.890mW/g

#175 LTE Band 4_20M QPSK 50RB 0offset_Back 1cm_Ch20300

DUT: 312303

Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.946; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20300/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.926 mW/g

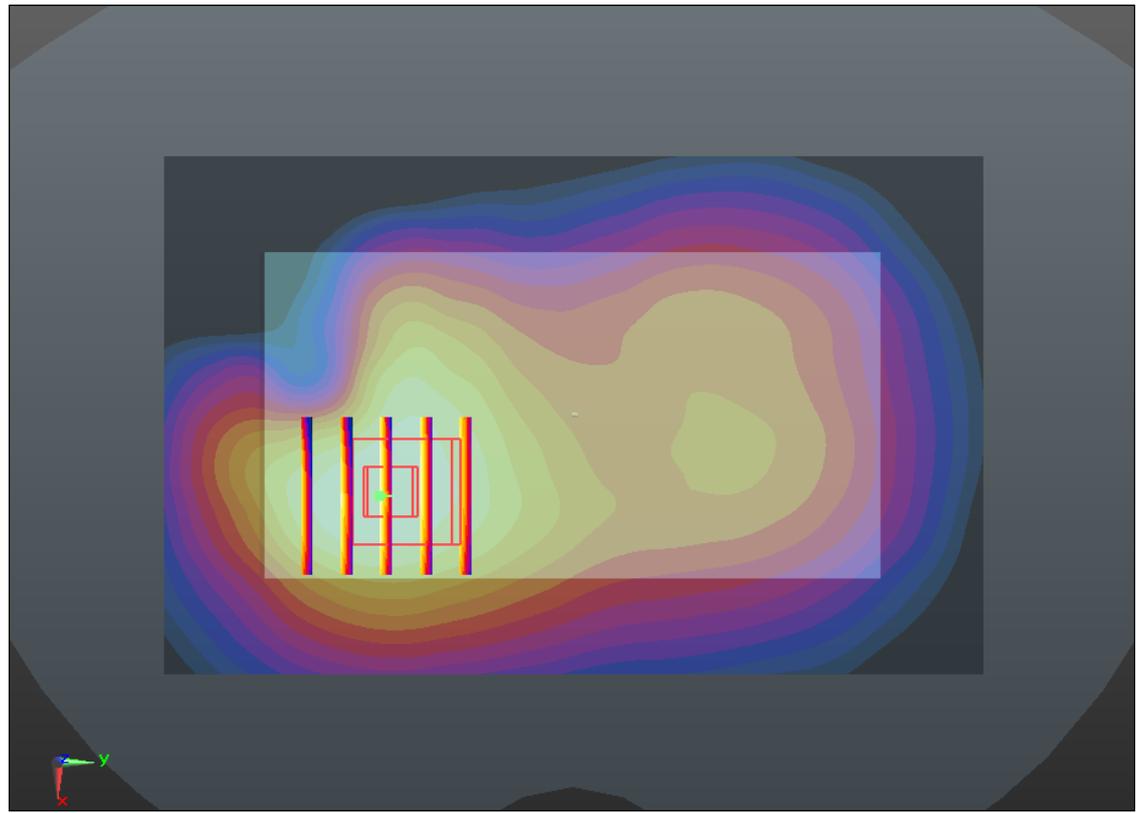
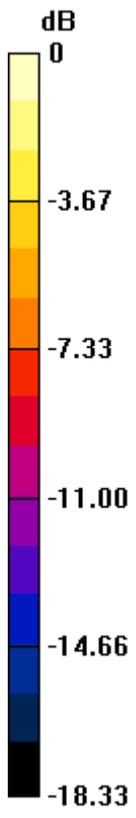
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.305 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.980 W/kg

SAR(1 g) = 0.642 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 0.831 mW/g



0 dB = 0.830mW/g

#177 LTE Band 4_20M QPSK 100RB 0offset_Front 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.912 mW/g

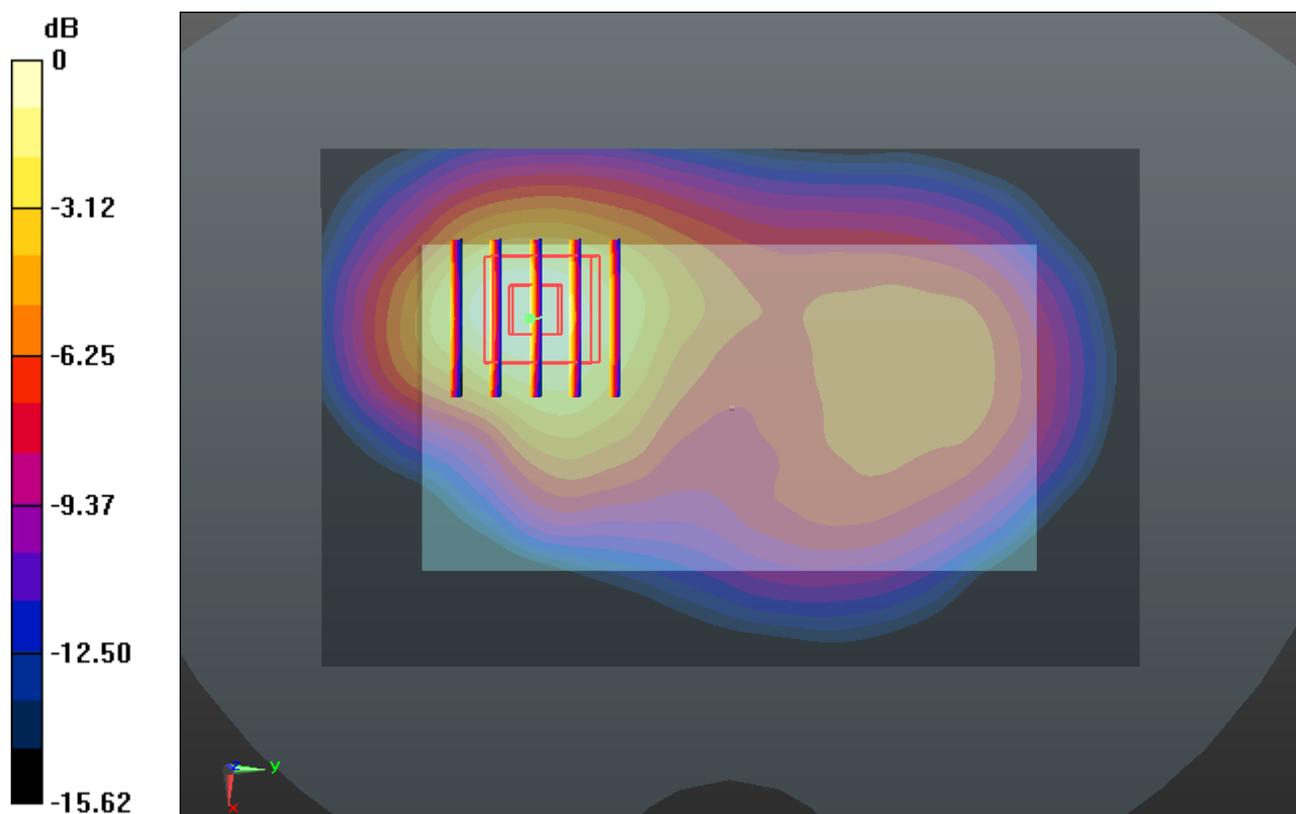
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.798 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.048 W/kg

SAR(1 g) = 0.671 mW/g; SAR(10 g) = 0.402 mW/g

Maximum value of SAR (measured) = 0.866 mW/g



0 dB = 0.870mW/g

#178 LTE Band 4_20M QPSK 100RB 0offset_Back 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.954 mW/g

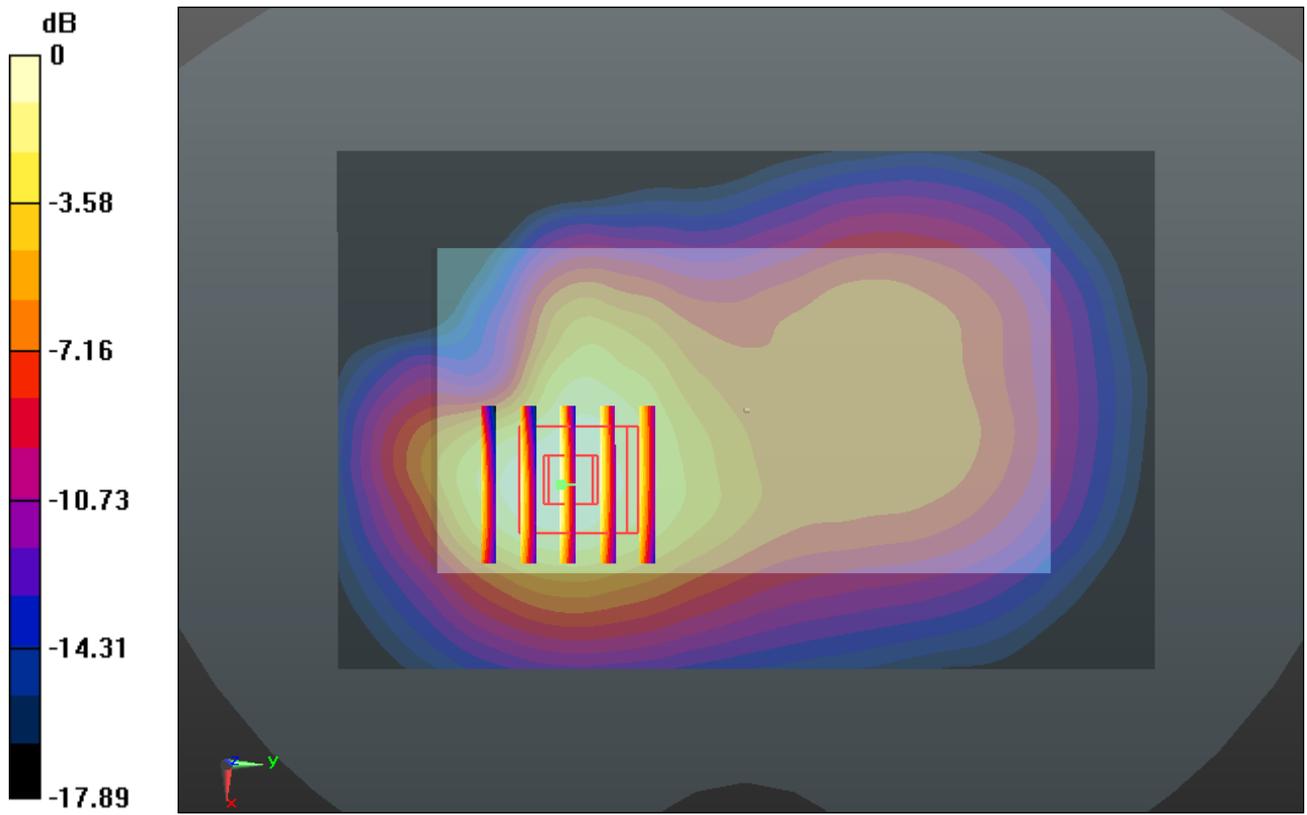
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.253 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.076 W/kg

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.433 mW/g

Maximum value of SAR (measured) = 0.919 mW/g



0 dB = 0.920mW/g

#179 LTE Band 4_20M QPSK 100RB 0offset_Left Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1
Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$ mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

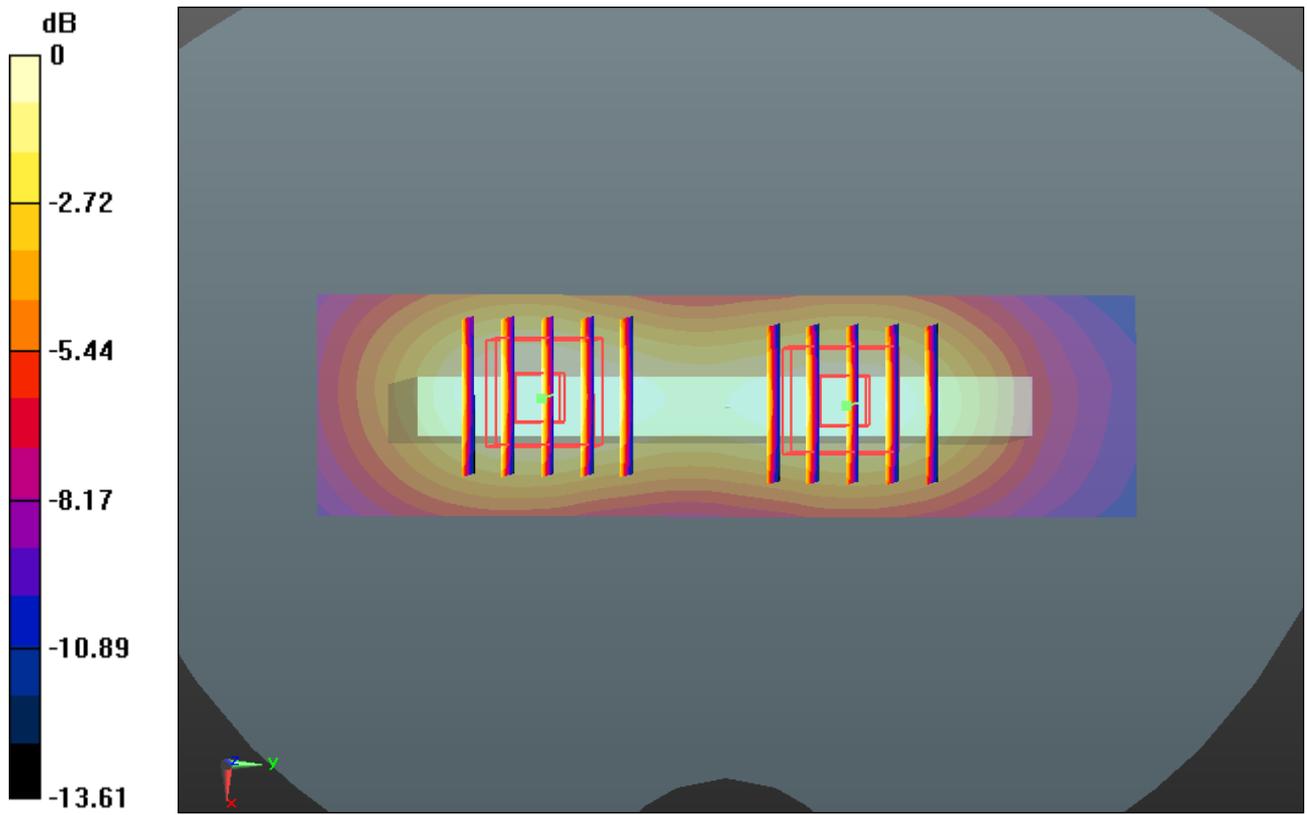
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.397 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.494 V/m; Power Drift = -0.1 dB
Peak SAR (extrapolated) = 0.472 W/kg
SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.182 mW/g
Maximum value of SAR (measured) = 0.392 mW/g

Ch20175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 12.494 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 0.392 W/kg
SAR(1 g) = 0.257 mW/g; SAR(10 g) = 0.159 mW/g
Maximum value of SAR (measured) = 0.331 mW/g



0 dB = 0.330mW/g

#180 LTE Band 4_20M QPSK 100RB 0offset_Right Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.123 mW/g

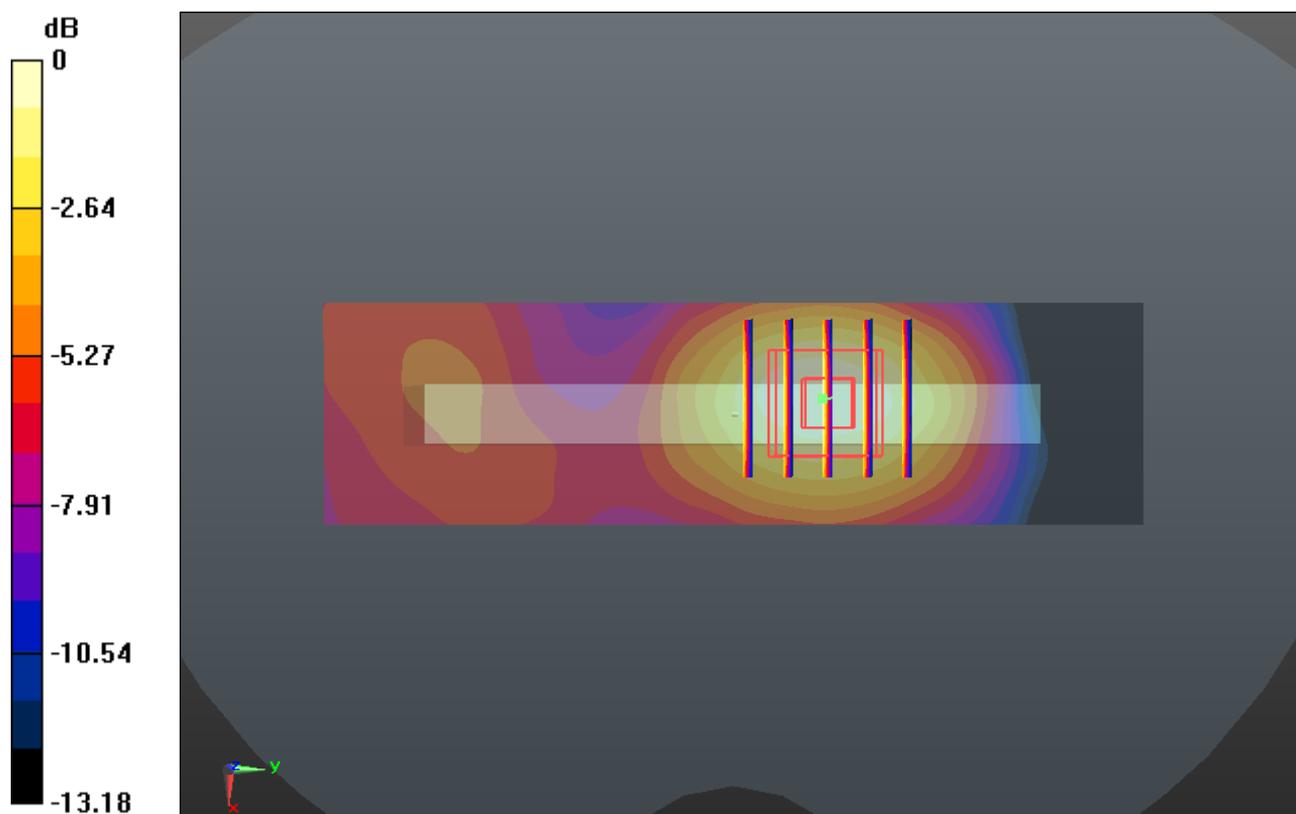
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.879 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.141 W/kg

SAR(1 g) = 0.092 mW/g; SAR(10 g) = 0.057 mW/g

Maximum value of SAR (measured) = 0.119 mW/g



0 dB = 0.120mW/g

#181 LTE Band 4_20M QPSK 100RB 0offset_Bottom Side 1cm_Ch20175

DUT: 312303

Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: MSL_1750_130312 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.499$

mho/m; $\epsilon_r = 54.965$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.4.5 (3634)

Ch20175/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.213 mW/g

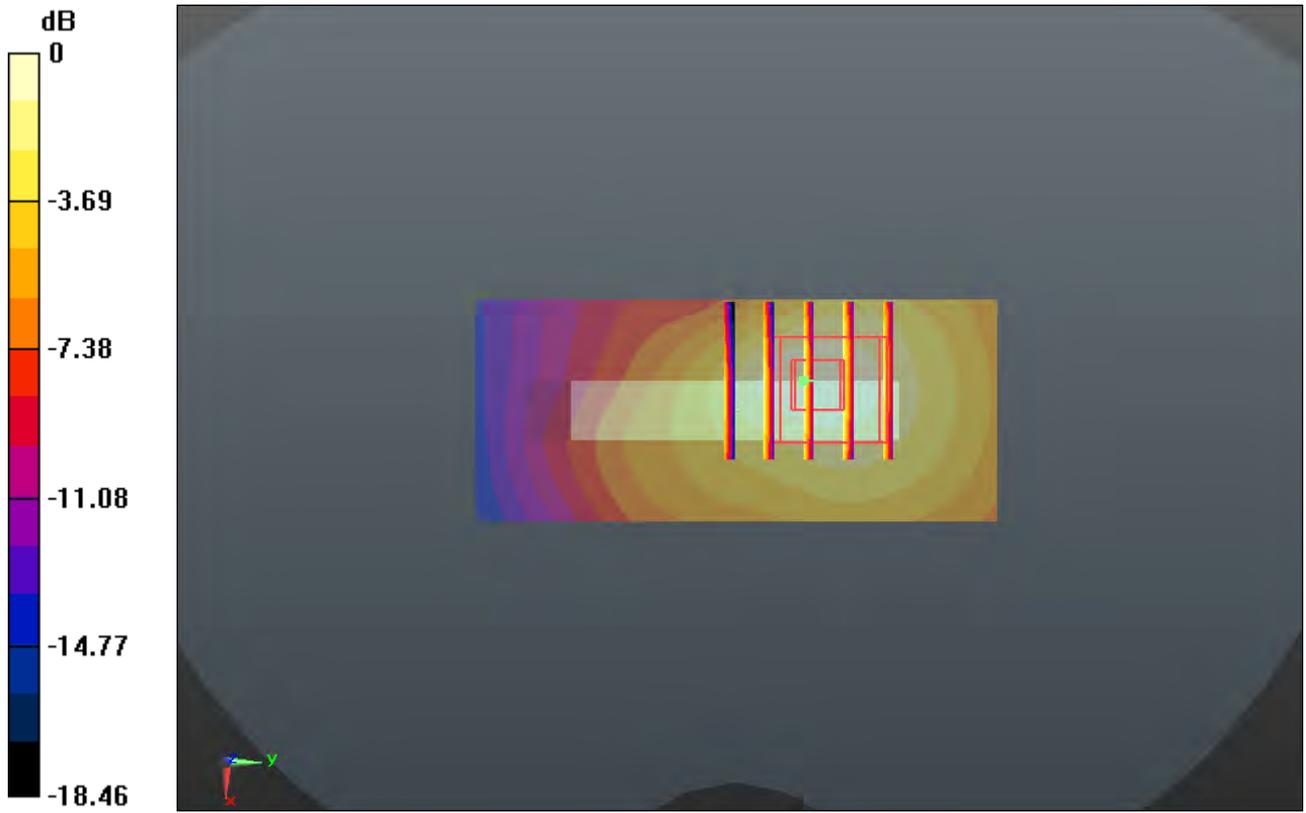
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.041 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.261 W/kg

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.219 mW/g



0 dB = 0.220mW/g

#182 LTE Band 5_10M QPSK 1RB 0offset_Front 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$

mho/m; $\epsilon_r = 54.832$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.721 mW/g

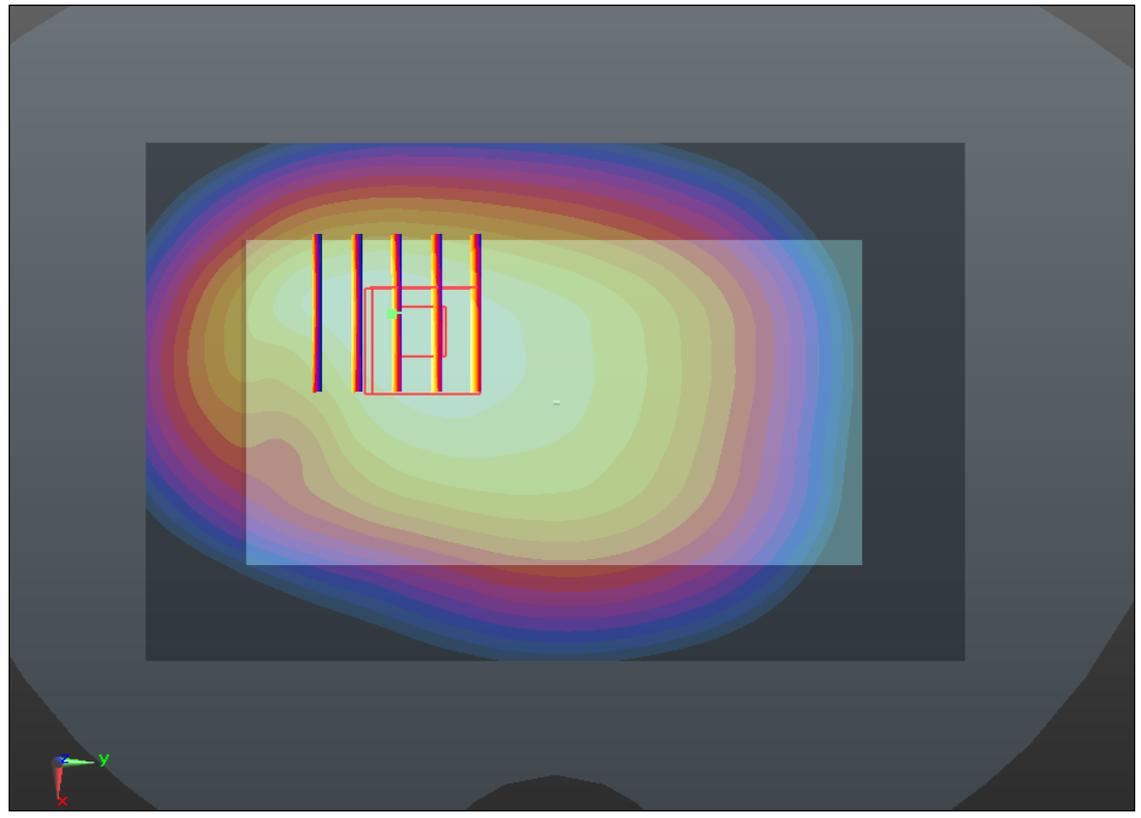
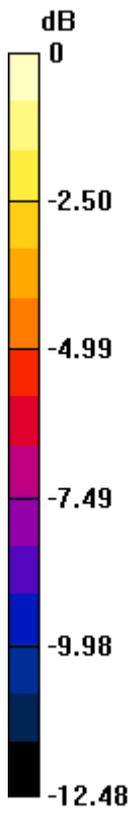
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.966 V/m; Power Drift = 0.0076 dB

Peak SAR (extrapolated) = 0.822 W/kg

SAR(1 g) = 0.579 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.702 mW/g



0 dB = 0.700mW/g

#183 LTE Band 5_10M QPSK 1RB 0offset_Back 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1
Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r = 54.832$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.3 °C

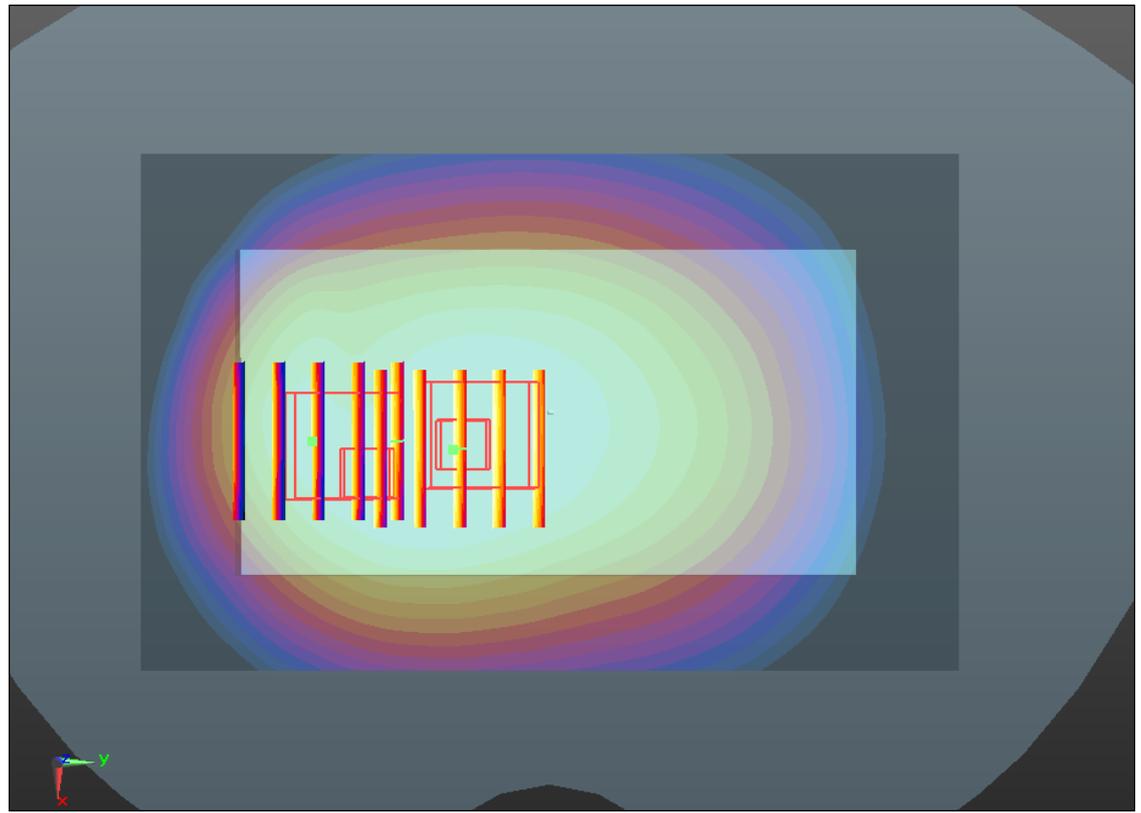
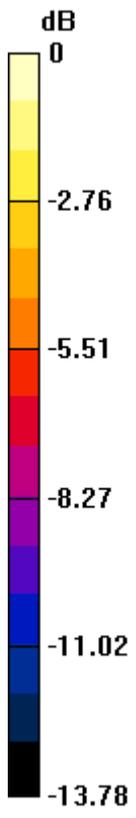
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.946 mW/g

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.023 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 1.041 W/kg
SAR(1 g) = 0.796 mW/g; SAR(10 g) = 0.581 mW/g
Maximum value of SAR (measured) = 0.934 mW/g

Ch20525/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 27.023 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.927 W/kg
SAR(1 g) = 0.570 mW/g; SAR(10 g) = 0.366 mW/g
Maximum value of SAR (measured) = 0.800 mW/g



0 dB = 0.800mW/g

#184 LTE Band 5_10M QPSK 1RB 0offset_Left Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$

mho/m; $\epsilon_r = 54.832$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.532 mW/g

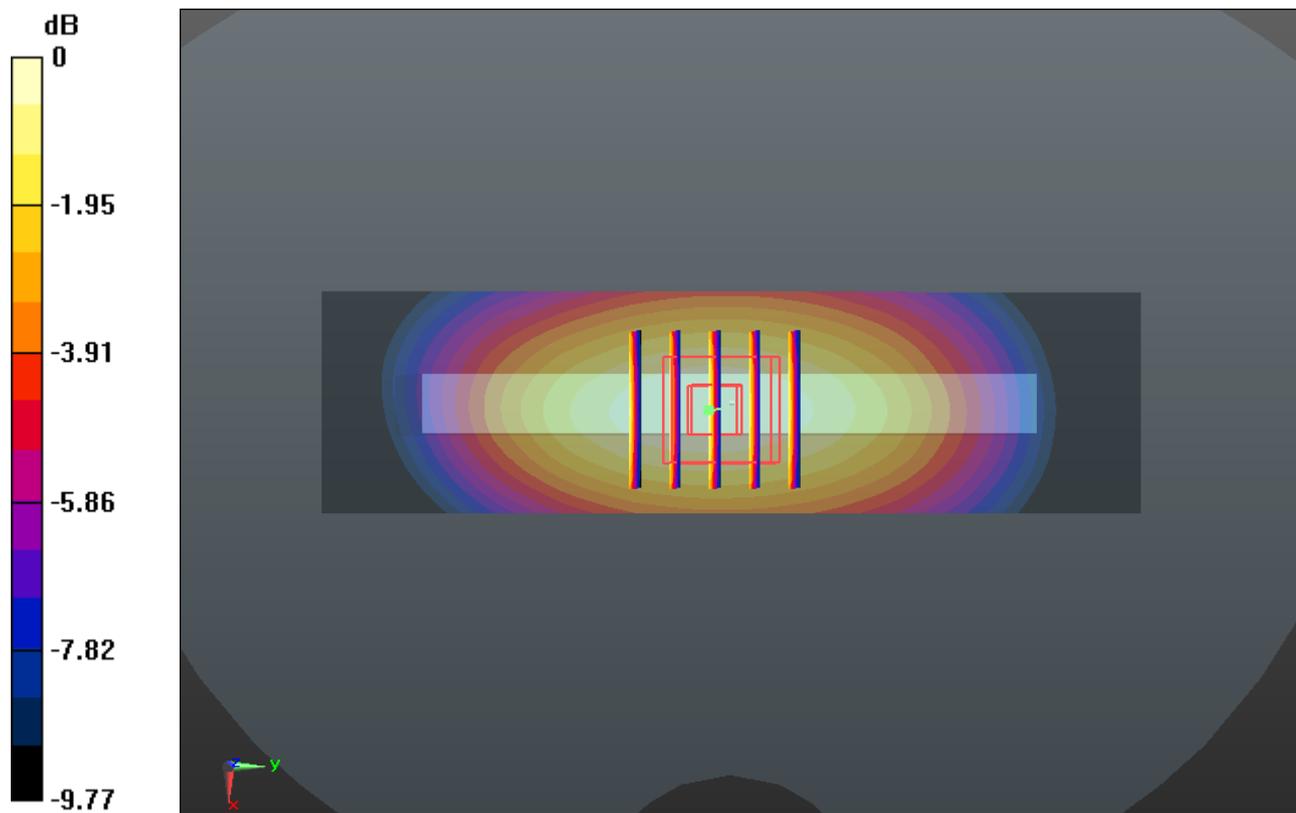
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.792 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.604 W/kg

SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.530 mW/g



0 dB = 0.530mW/g

#185 LTE Band 5_10M QPSK 1RB 0offset_Right Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$

mho/m; $\epsilon_r = 54.832$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.517 mW/g

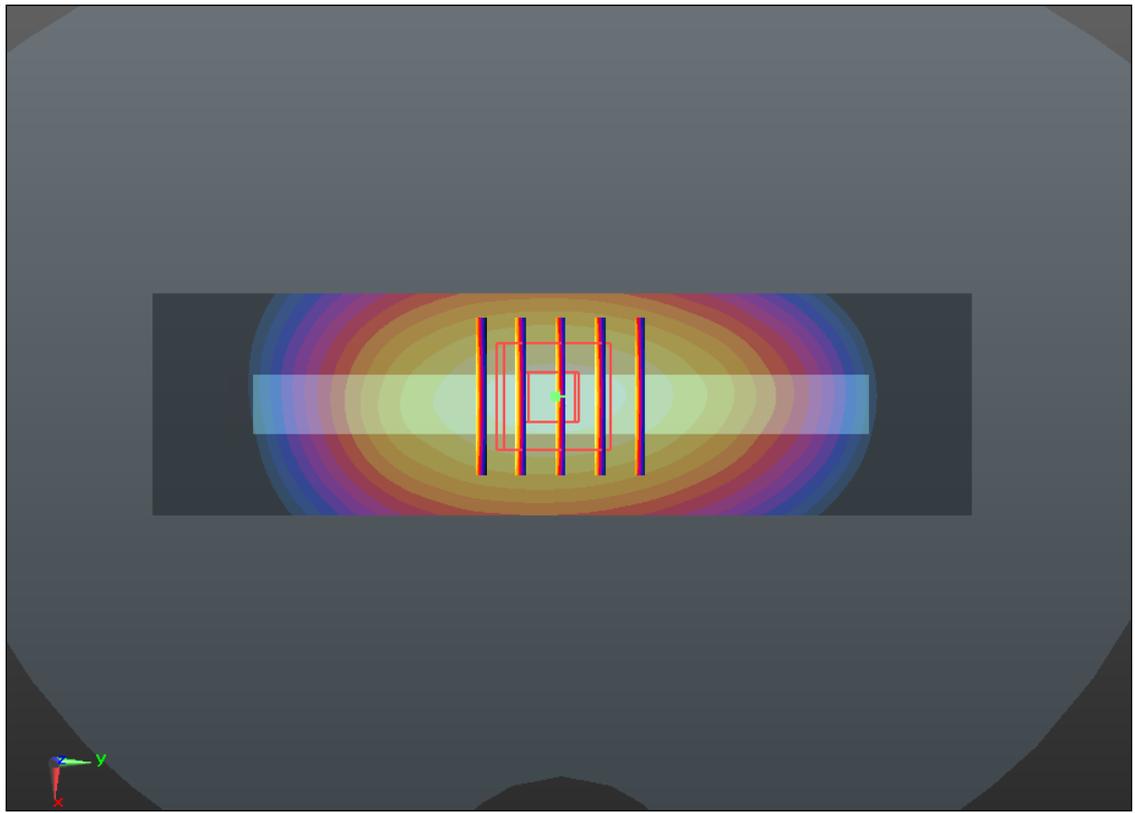
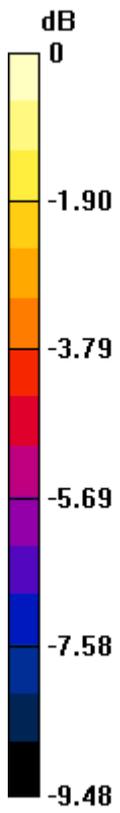
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.829 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.445 mW/g; SAR(10 g) = 0.309 mW/g

Maximum value of SAR (measured) = 0.546 mW/g



0 dB = 0.550mW/g

#186 LTE Band 5_10M QPSK 1RB 0offset_Bottom Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$

mho/m; $\epsilon_r = 54.832$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM2; Type: SAM; Serial: TP-1477

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.144 mW/g

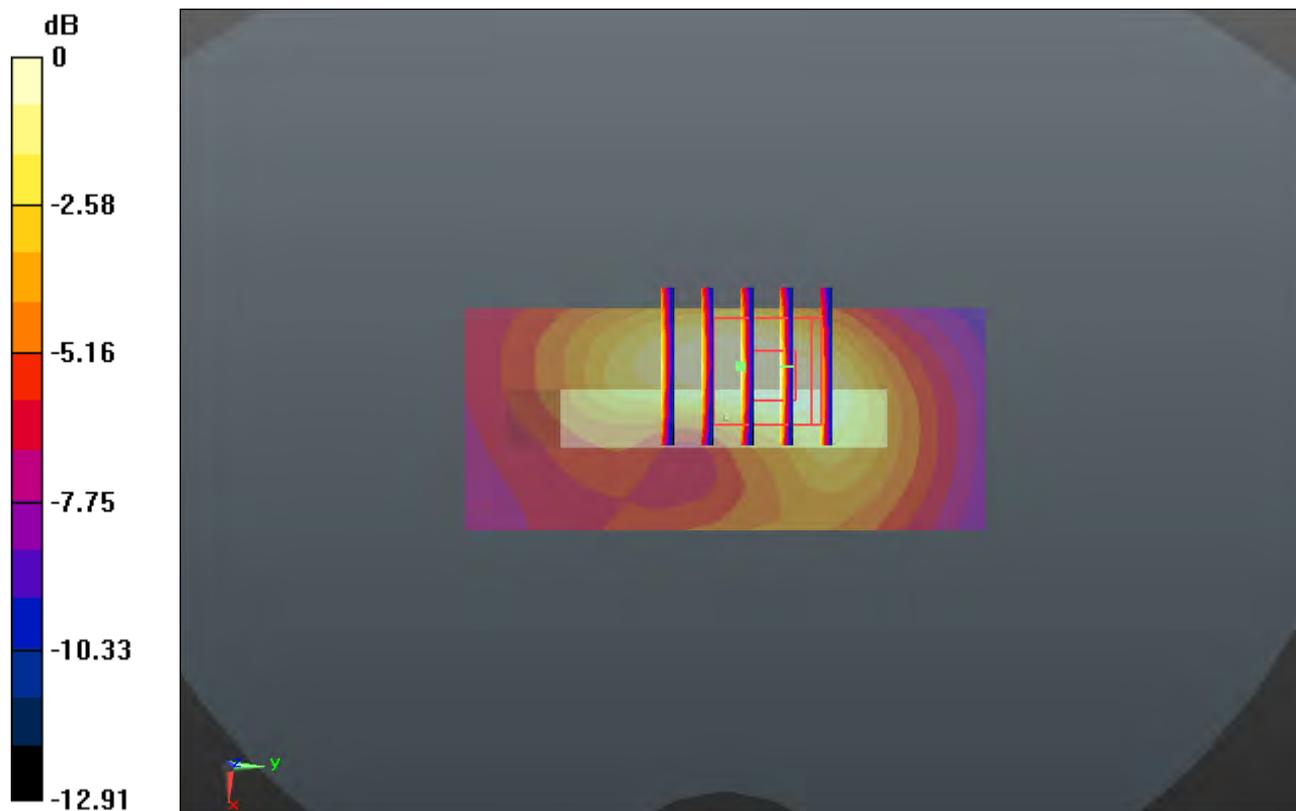
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.257 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.106 mW/g; SAR(10 g) = 0.062 mW/g

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



0 dB = 0.140mW/g

#187 LTE Band 5_10M QPSK 1RB 0offset_Back 1cm_Ch20450

DUT: 312303

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 829$ MHz; $\sigma = 0.976$ mho/m; $\epsilon_r = 54.903$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20450/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.749 mW/g

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.645 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.842 W/kg

SAR(1 g) = 0.636 mW/g; SAR(10 g) = 0.458 mW/g

Maximum value of SAR (measured) = 0.755 mW/g

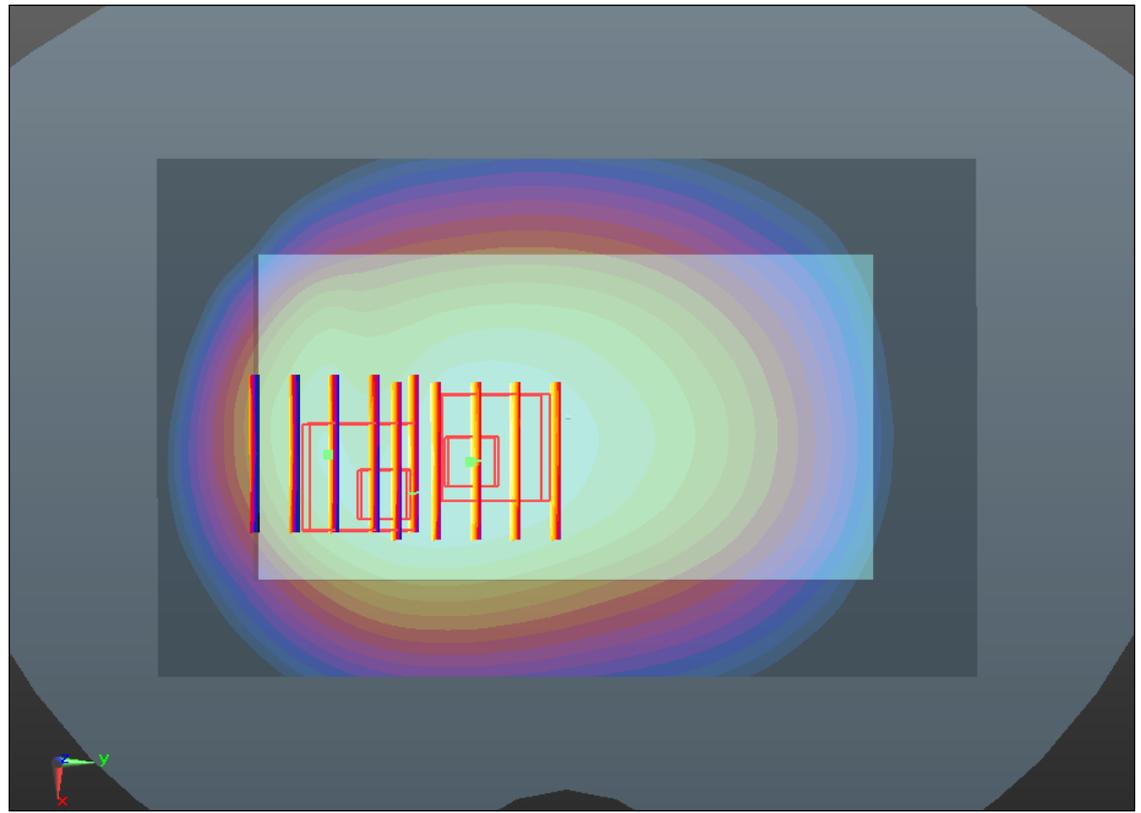
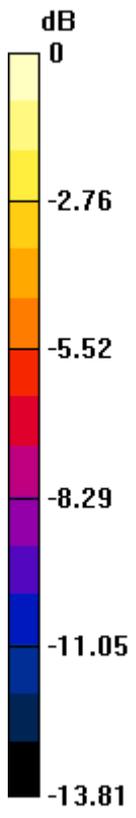
Ch20450/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.645 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.807 W/kg

SAR(1 g) = 0.497 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.696 mW/g



0 dB = 0.700mW/g

#188 LTE Band 5_10M QPSK 1RB 0offset_Back 1cm_Ch20600

DUT: 312303

Communication System: LTE; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 844$ MHz; $\sigma = 0.991$ mho/m; $\epsilon_r = 54.76$;

$\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.627 mW/g

Ch20600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.418 V/m; Power Drift = 0.07dB

Peak SAR (extrapolated) = 0.702 W/kg

SAR(1 g) = 0.517 mW/g; SAR(10 g) = 0.372 mW/g

Maximum value of SAR (measured) = 0.615 mW/g

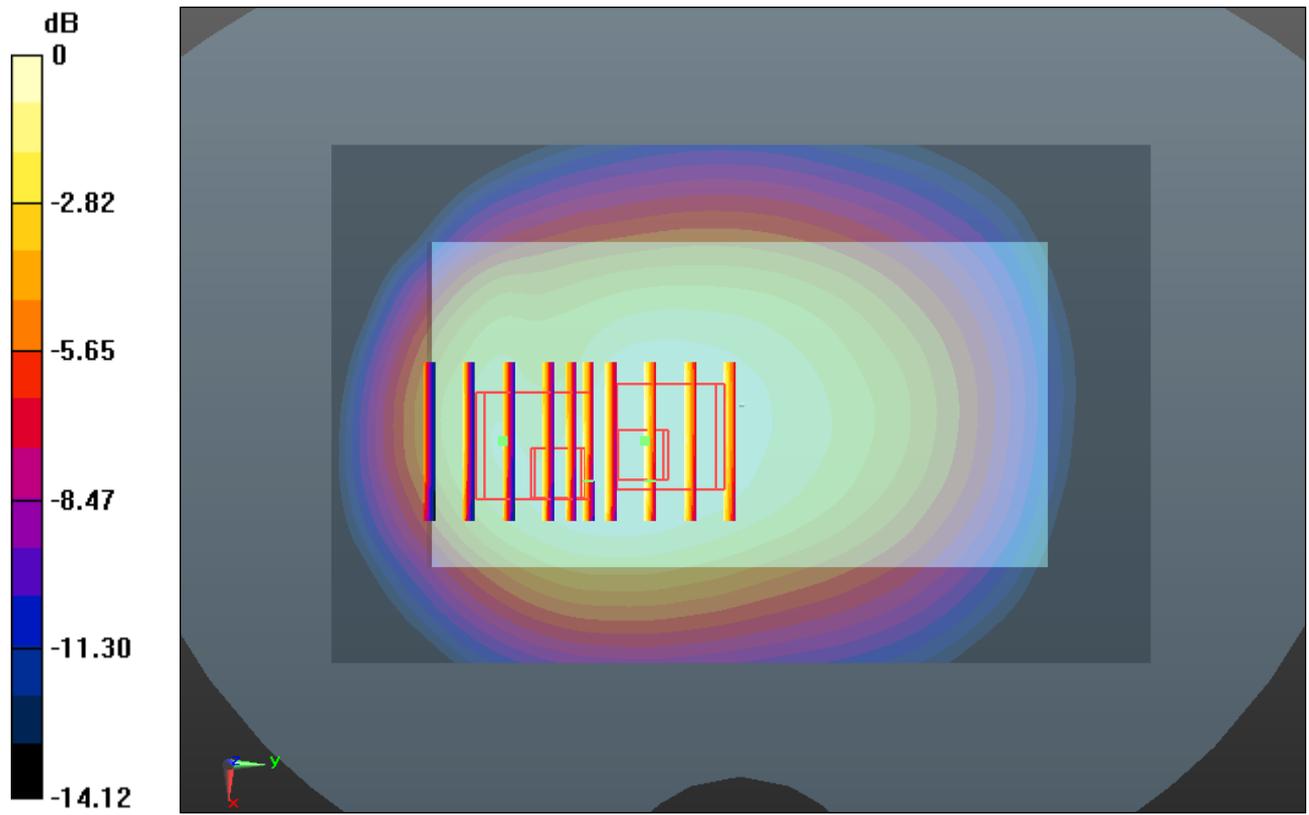
Ch20600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.418 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.681 W/kg

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.256 mW/g

Maximum value of SAR (measured) = 0.582 mW/g



#189 LTE Band 5_10M QPSK 25RB 0offset_Front 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$

mho/m; $\epsilon_r = 54.832$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.529 mW/g

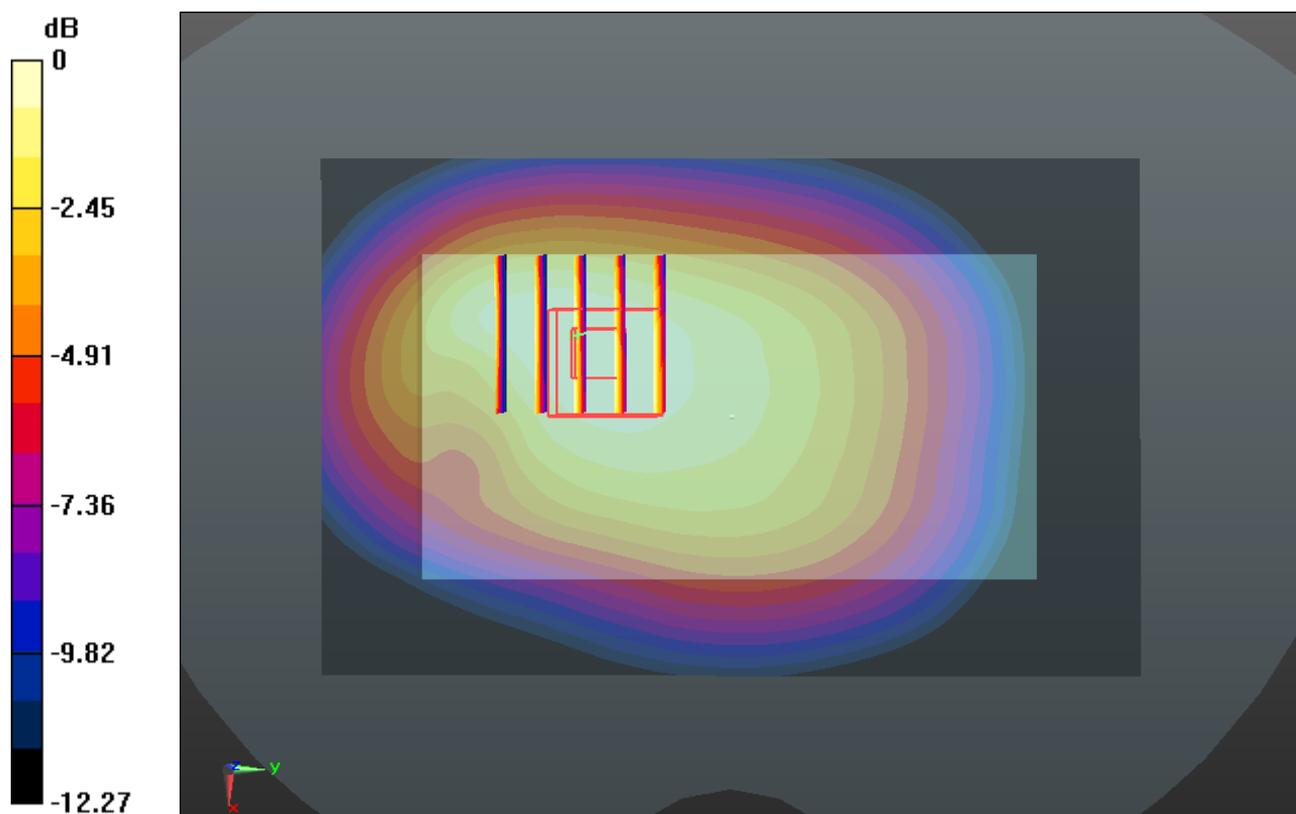
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.005 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.608 W/kg

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.304 mW/g

Maximum value of SAR (measured) = 0.520 mW/g



0 dB = 0.520mW/g

#190 LTE Band 5_10M QPSK 25RB 0offset_Back 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.687 mW/g

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.965 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.752 W/kg

SAR(1 g) = 0.575 mW/g; SAR(10 g) = 0.419 mW/g

Maximum value of SAR (measured) = 0.675 mW/g

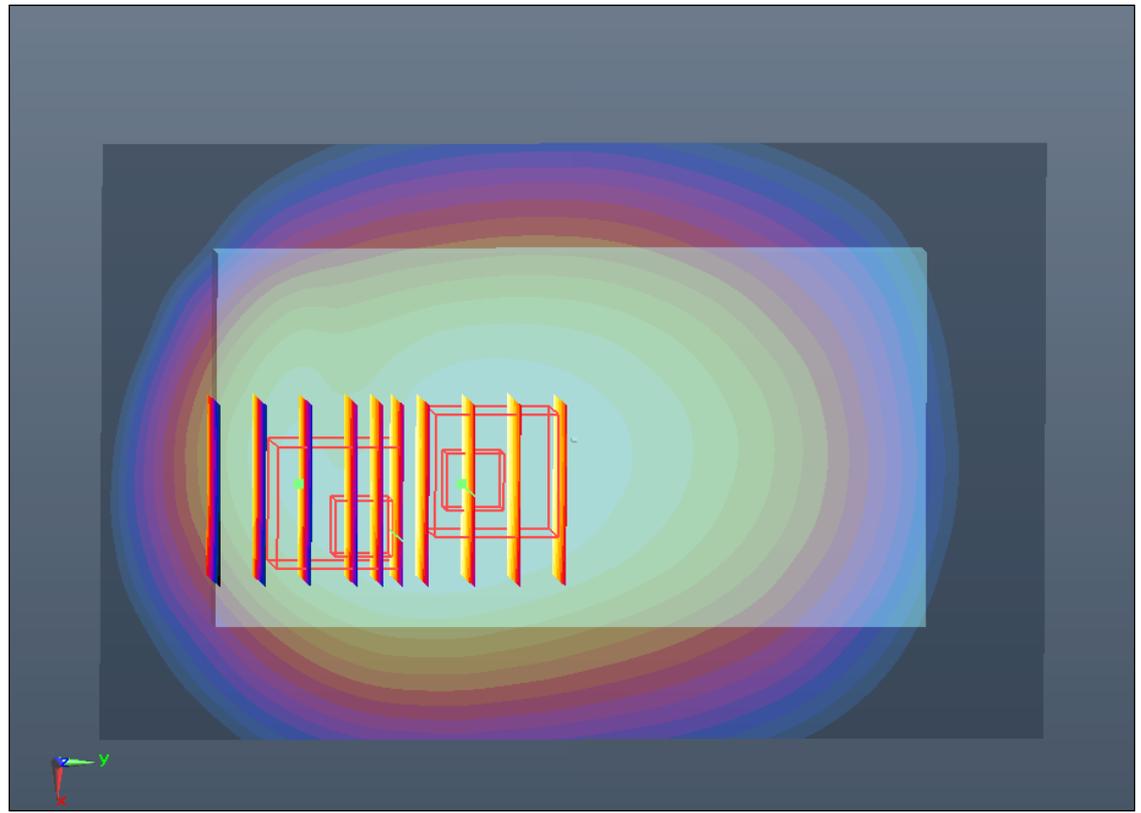
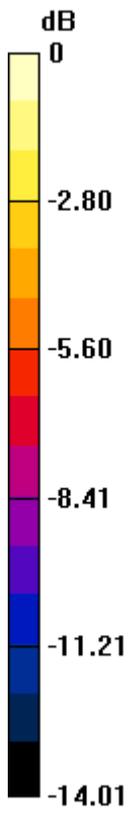
Ch20525/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.965 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.705 W/kg

SAR(1 g) = 0.430 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.605 mW/g



0 dB = 0.600mW/g

#191 LTE Band 5_10M QPSK 25RB 0offset_Left Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.392 mW/g

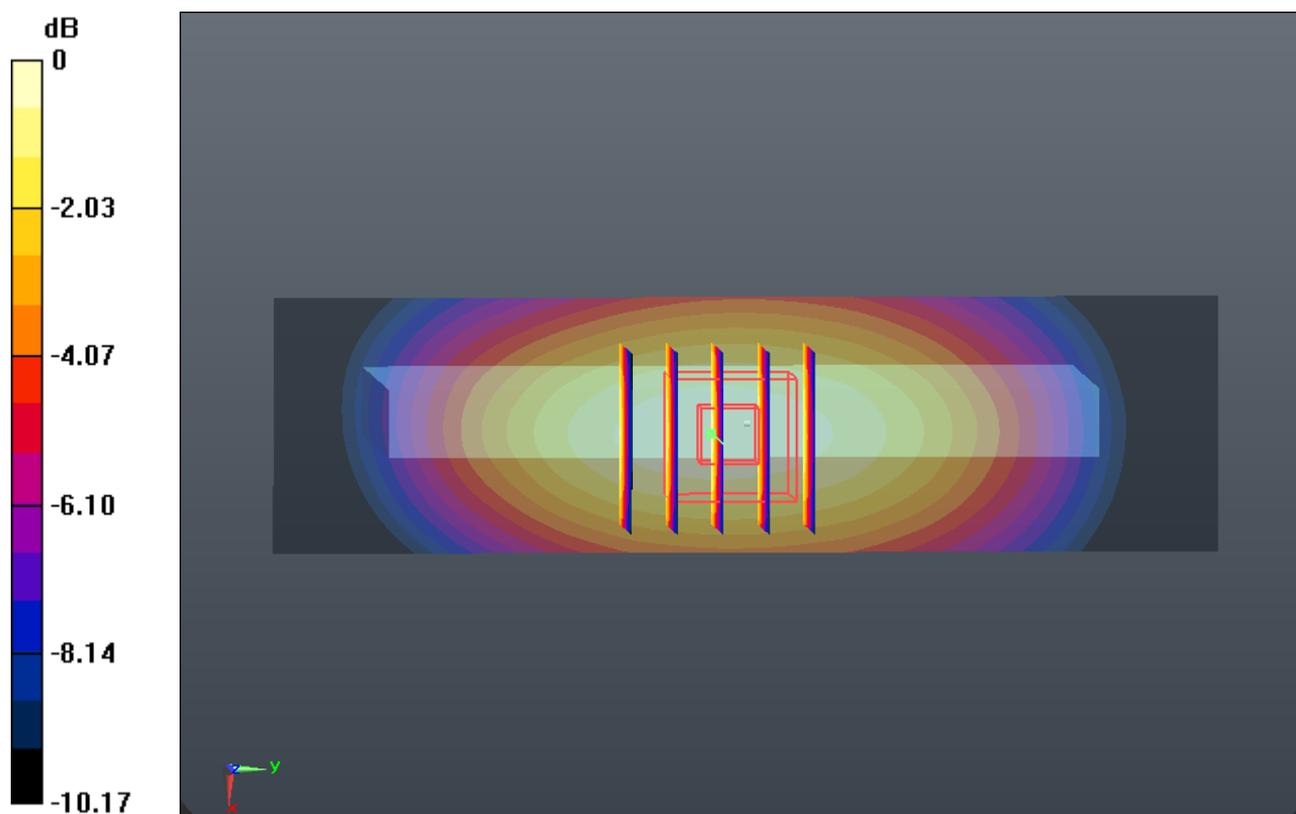
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.770 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.396 mW/g



0 dB = 0.400mW/g

#192 LTE Band 5_10M QPSK 25RB 0offset_Right Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.387 mW/g

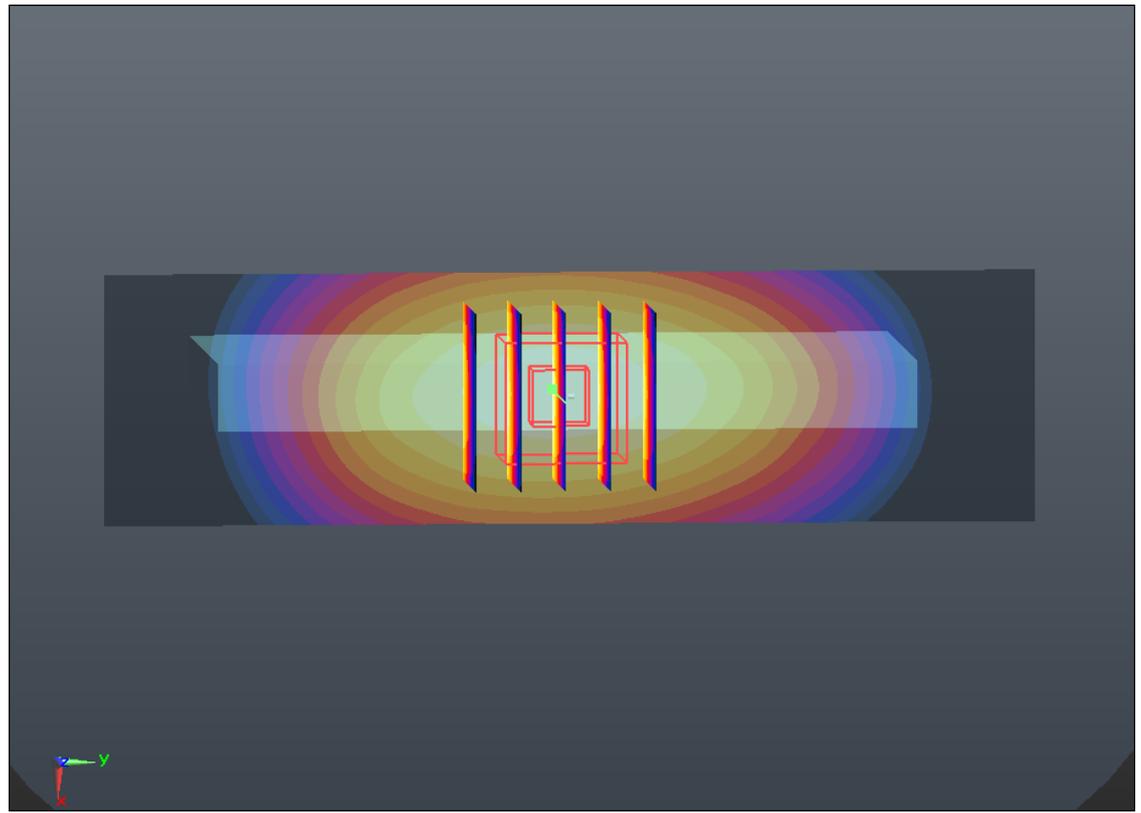
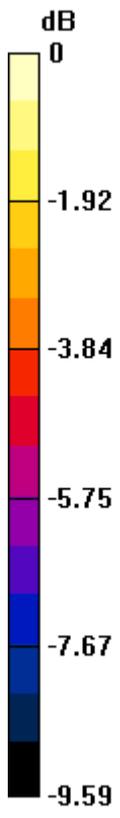
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.794 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.324 mW/g; SAR(10 g) = 0.225 mW/g

Maximum value of SAR (measured) = 0.396 mW/g



0 dB = 0.400mW/g

#193 LTE Band 5_10M QPSK 25RB 0offset_Bottom Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.101 mW/g

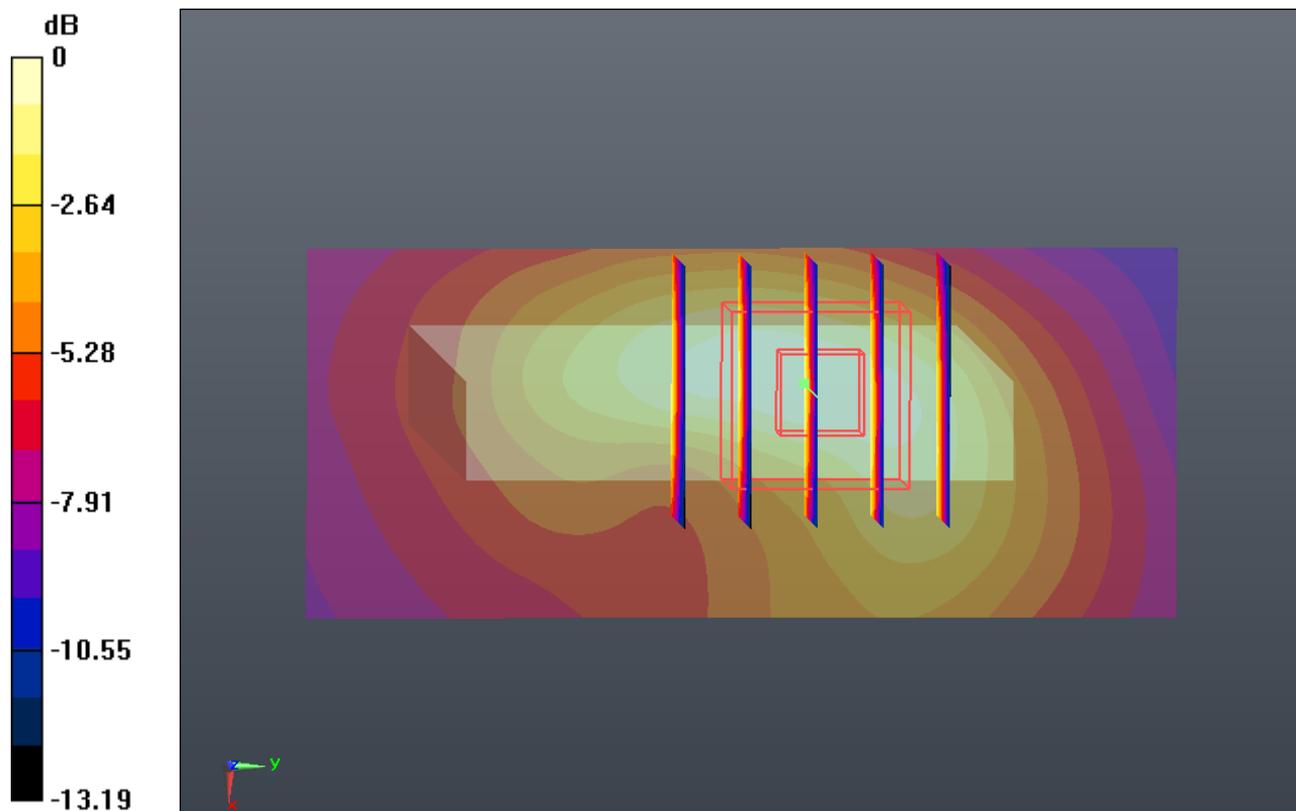
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.917 V/m; Power Drift = 0.039 dB

Peak SAR (extrapolated) = 0.124 W/kg

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.100 mW/g



0 dB = 0.100mW/g

#194 LTE Band 5_10M QPSK 50RB 0offset_Front 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.453 mW/g

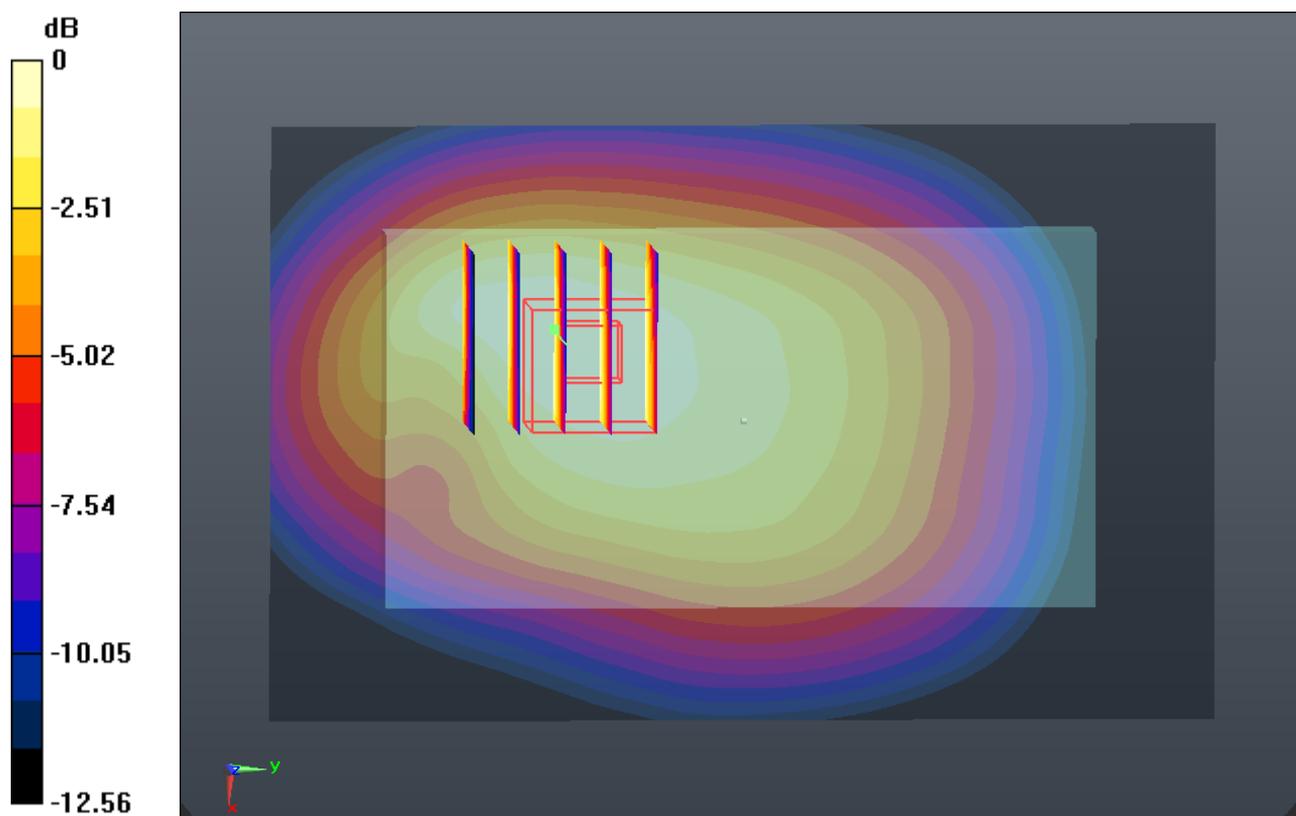
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.637 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.530 W/kg

SAR(1 g) = 0.372 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.454 mW/g



#195 LTE Band 5_10M QPSK 50RB 0offset_Back 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.572 mW/g

Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.926 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.621 W/kg

SAR(1 g) = 0.472 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.551 mW/g

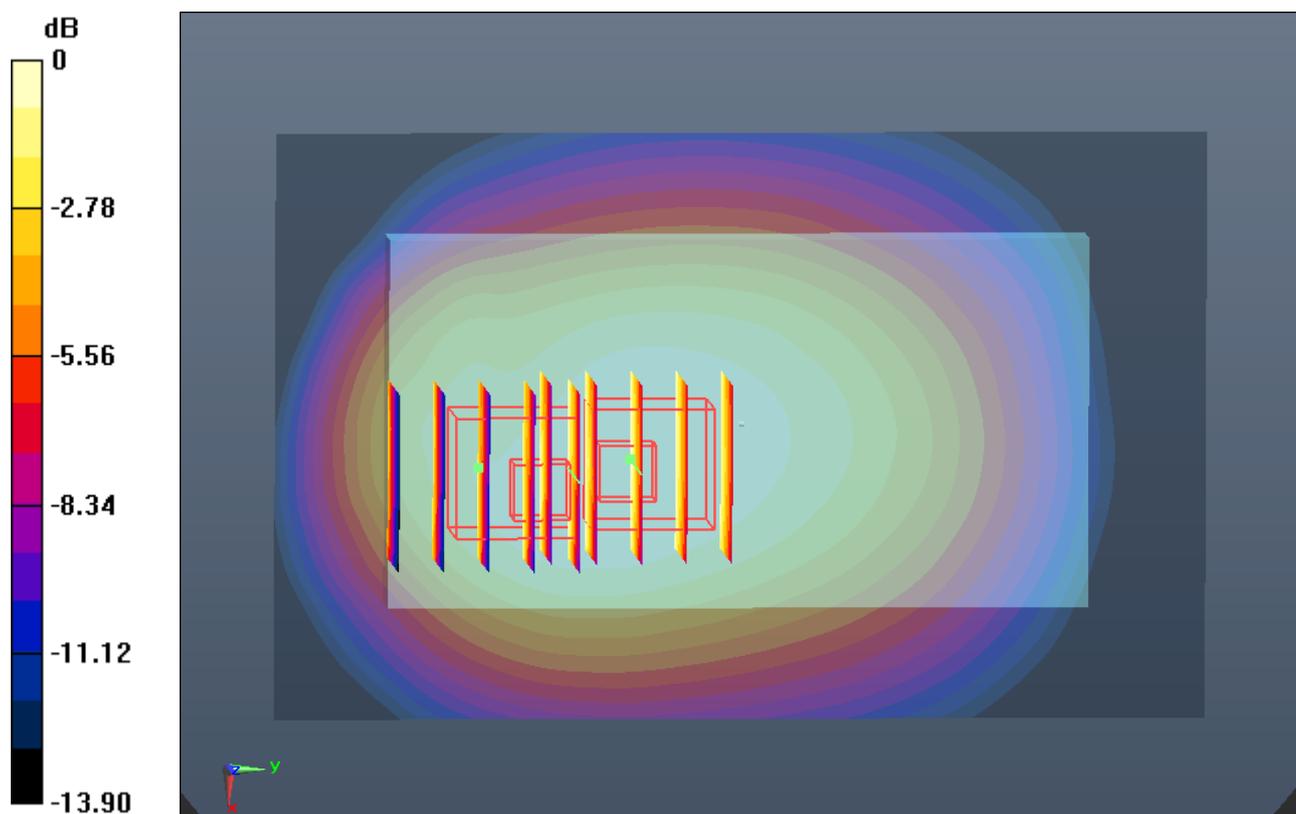
Ch20525/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.926 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.601 W/kg

SAR(1 g) = 0.386 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.525 mW/g



0 dB = 0.520mW/g

#196 LTE Band 5_10M QPSK 50RB 0offset_Left Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.326 mW/g

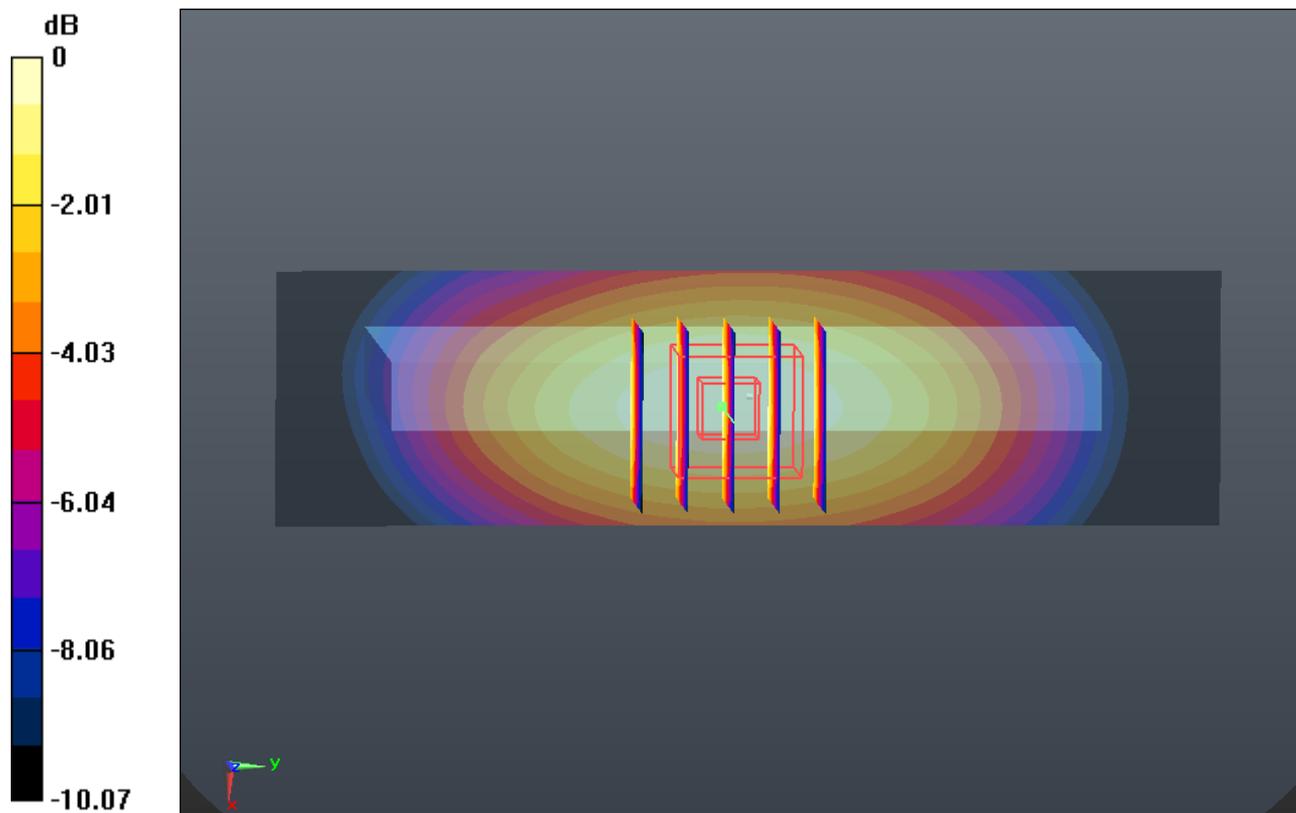
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.163 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.333 mW/g



0 dB = 0.330mW/g

#197 LTE Band 5_10M QPSK 50RB 0offset_Right Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.361 mW/g

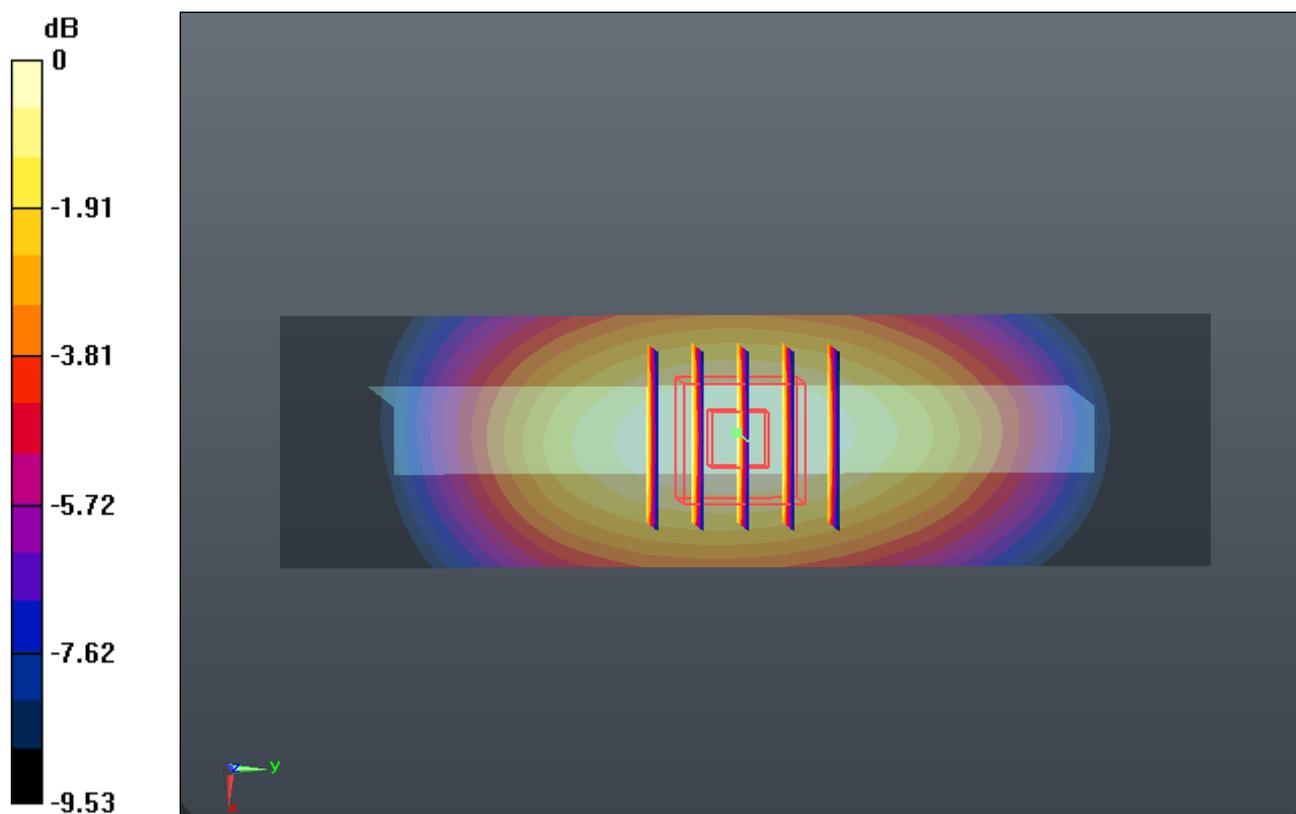
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.059 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.400 W/kg

SAR(1 g) = 0.291 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.353 mW/g



0 dB = 0.350mW/g

#198 LTE Band 5_10M QPSK 50RB 0offset_Bottom Side 1cm_Ch20525

DUT: 312303

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: MSL_835_130225 Medium parameters used: $f = 836.5$ MHz; $\sigma = 0.984$ mho/m; $\epsilon_r =$

54.832 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.98, 8.98, 8.98); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch20525/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.083 mW/g

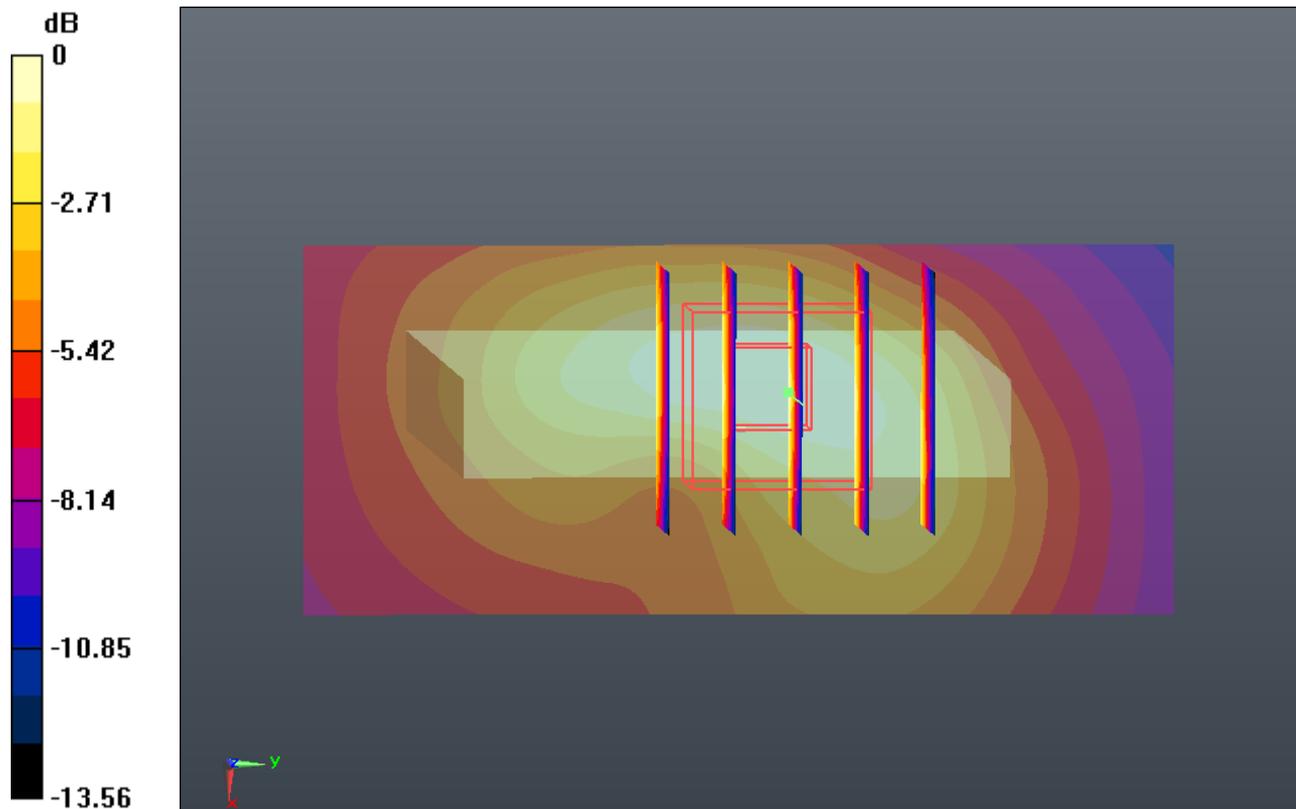
Ch20525/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.725 V/m; Power Drift = 0.029 dB

Peak SAR (extrapolated) = 0.104 W/kg

SAR(1 g) = 0.062 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.084 mW/g



0 dB = 0.080mW/g

#199 LTE Band 17_10M QPSK 1RB 0offset_Front 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.616 mW/g

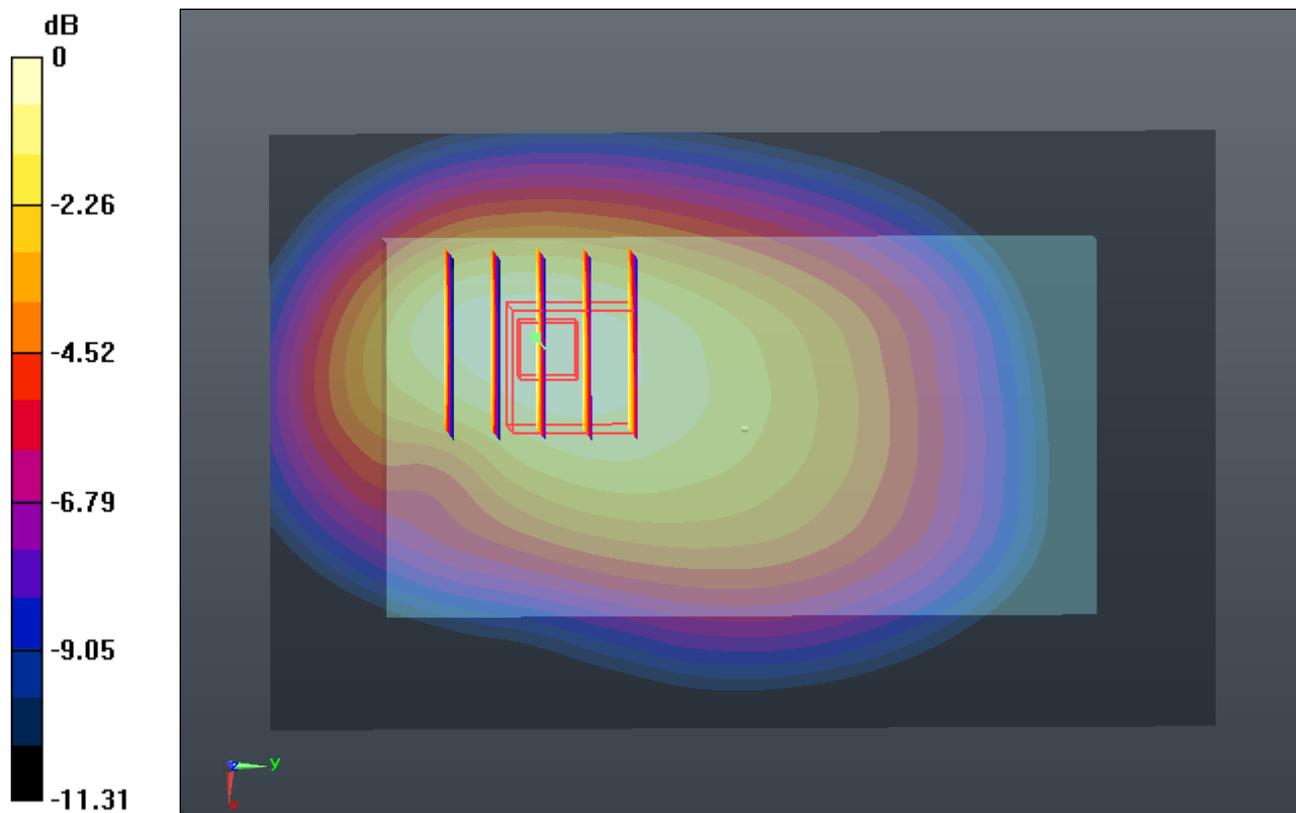
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.715 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.733 W/kg

SAR(1 g) = 0.505 mW/g; SAR(10 g) = 0.355 mW/g

Maximum value of SAR (measured) = 0.621 mW/g



0 dB = 0.620mW/g

#200 LTE Band 17_10M QPSK 1RB 0offset_Back 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.754 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.349 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.839 W/kg

SAR(1 g) = 0.637 mW/g; SAR(10 g) = 0.482 mW/g

Maximum value of SAR (measured) = 0.751 mW/g

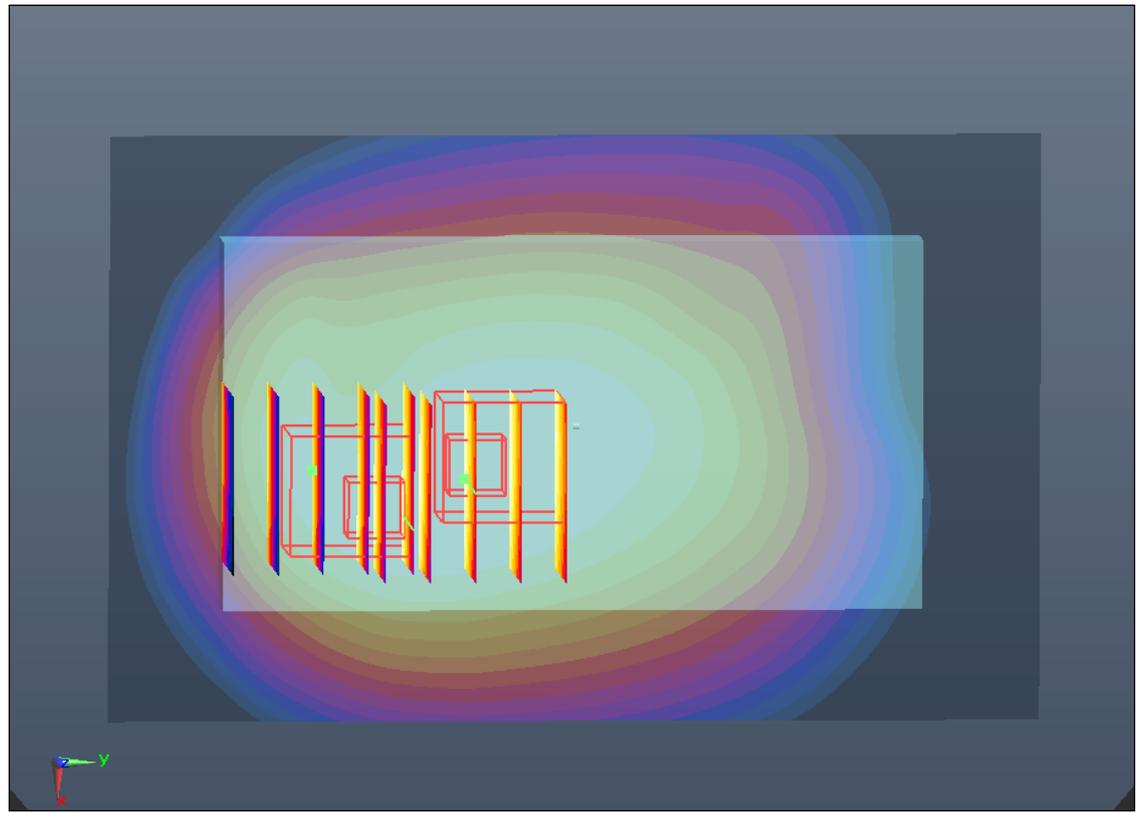
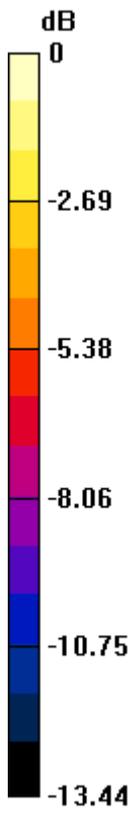
Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.349 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.801 W/kg

SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.338 mW/g

Maximum value of SAR (measured) = 0.698 mW/g



0 dB = 0.700mW/g

#201 LTE Band 17_10M QPSK 1RB 0offset_Left Side 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.390 mW/g

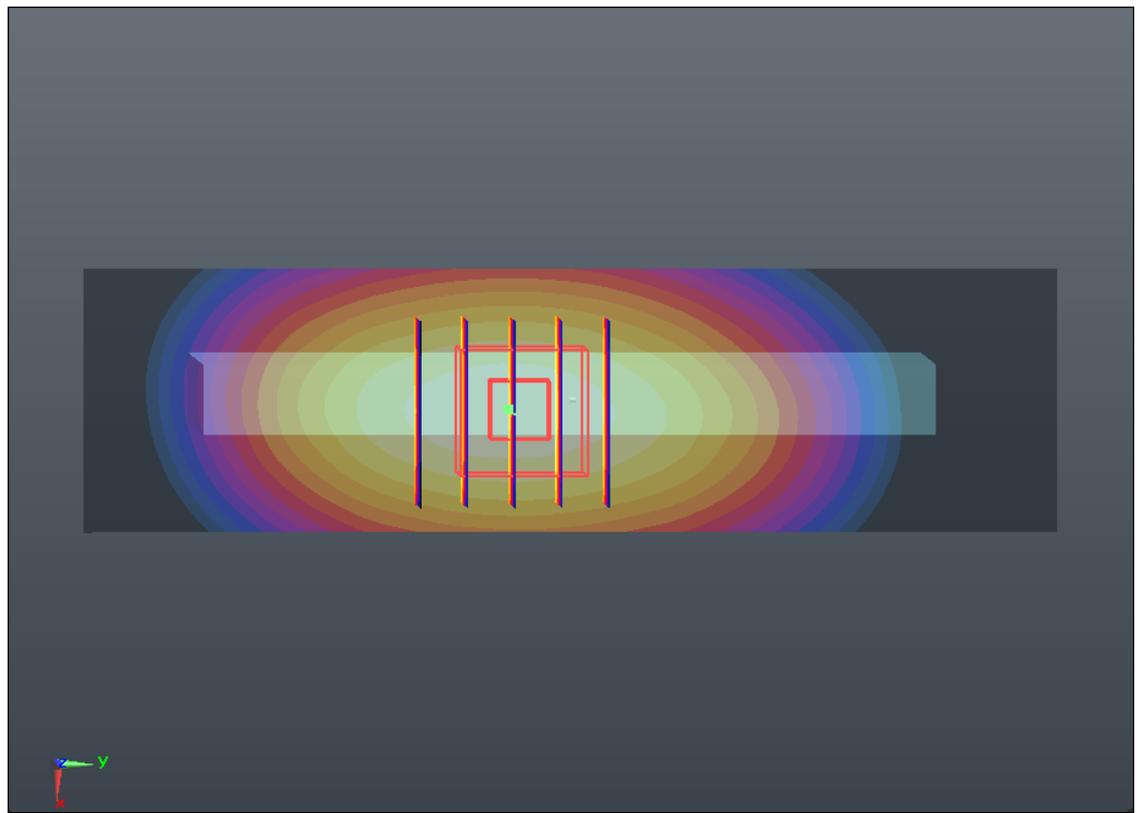
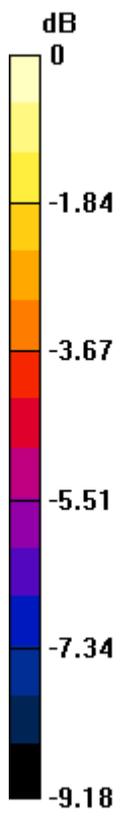
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.780 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.452 W/kg

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.399 mW/g



0 dB = 0.400mW/g

#202 LTE Band 17_10M QPSK 1RB 0offset_Right Side 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.306 mW/g

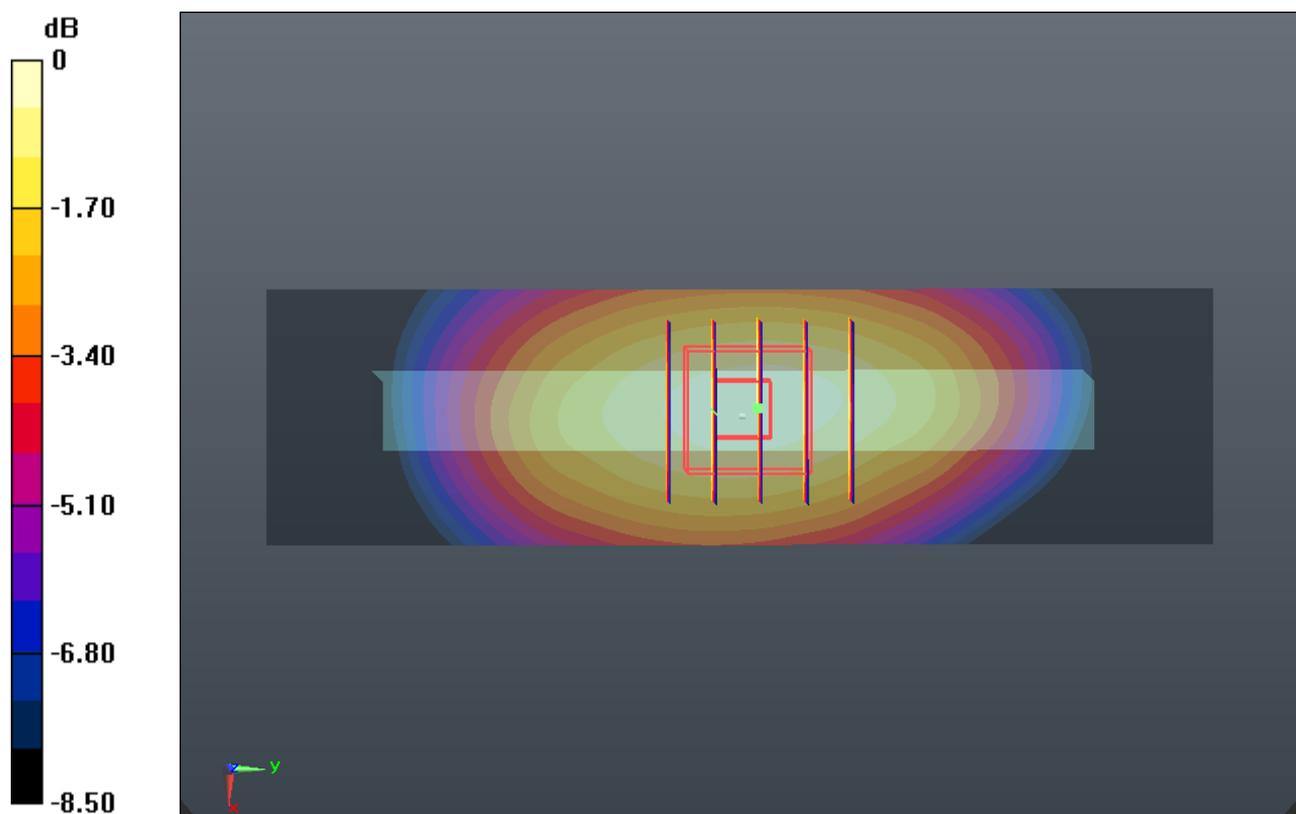
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.405 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.367 W/kg

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.324 mW/g



0 dB = 0.320mW/g

#203 LTE Band 17_10M QPSK 1RB 0offset_Bottom Side 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.095 mW/g

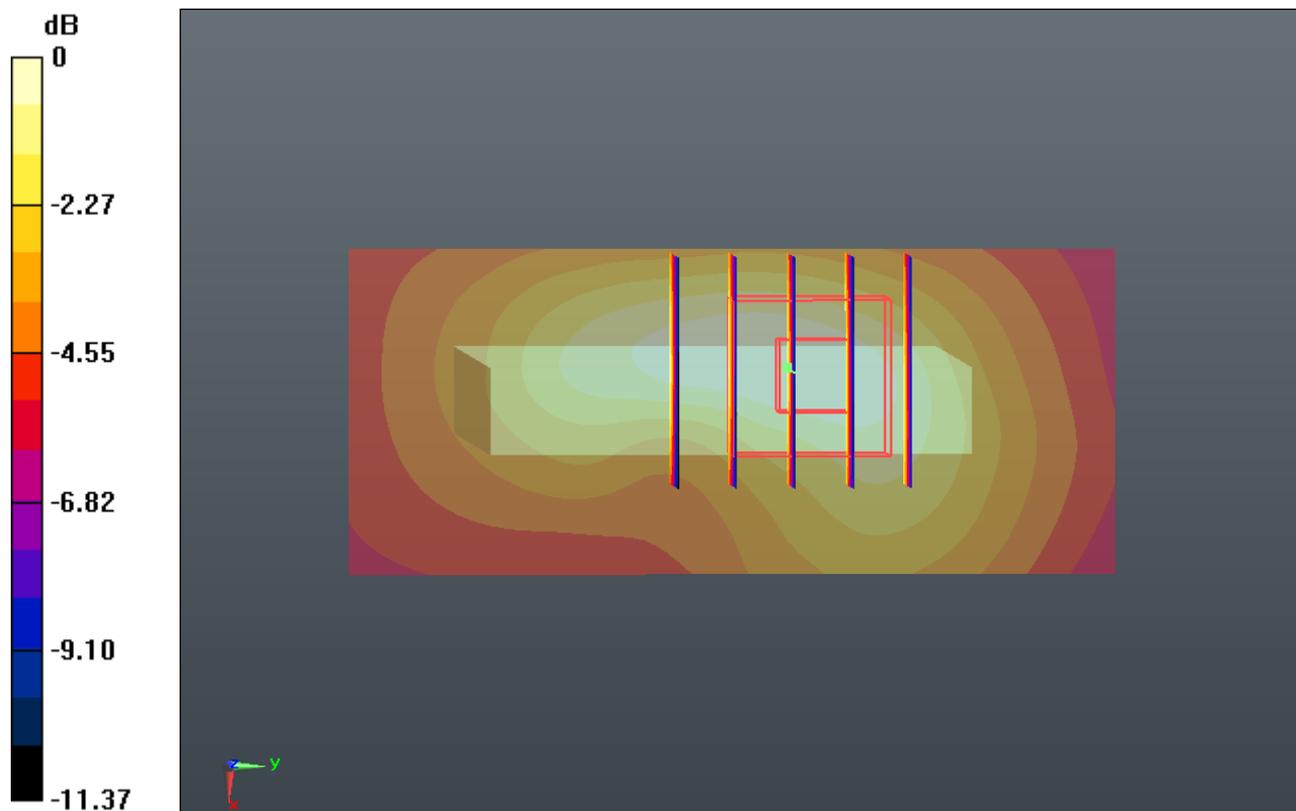
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.952 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.044 mW/g

Maximum value of SAR (measured) = 0.093 mW/g



0 dB = 0.090mW/g

#204 LTE Band 17_10M QPSK 25RB 0offset_Front 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.462 mW/g

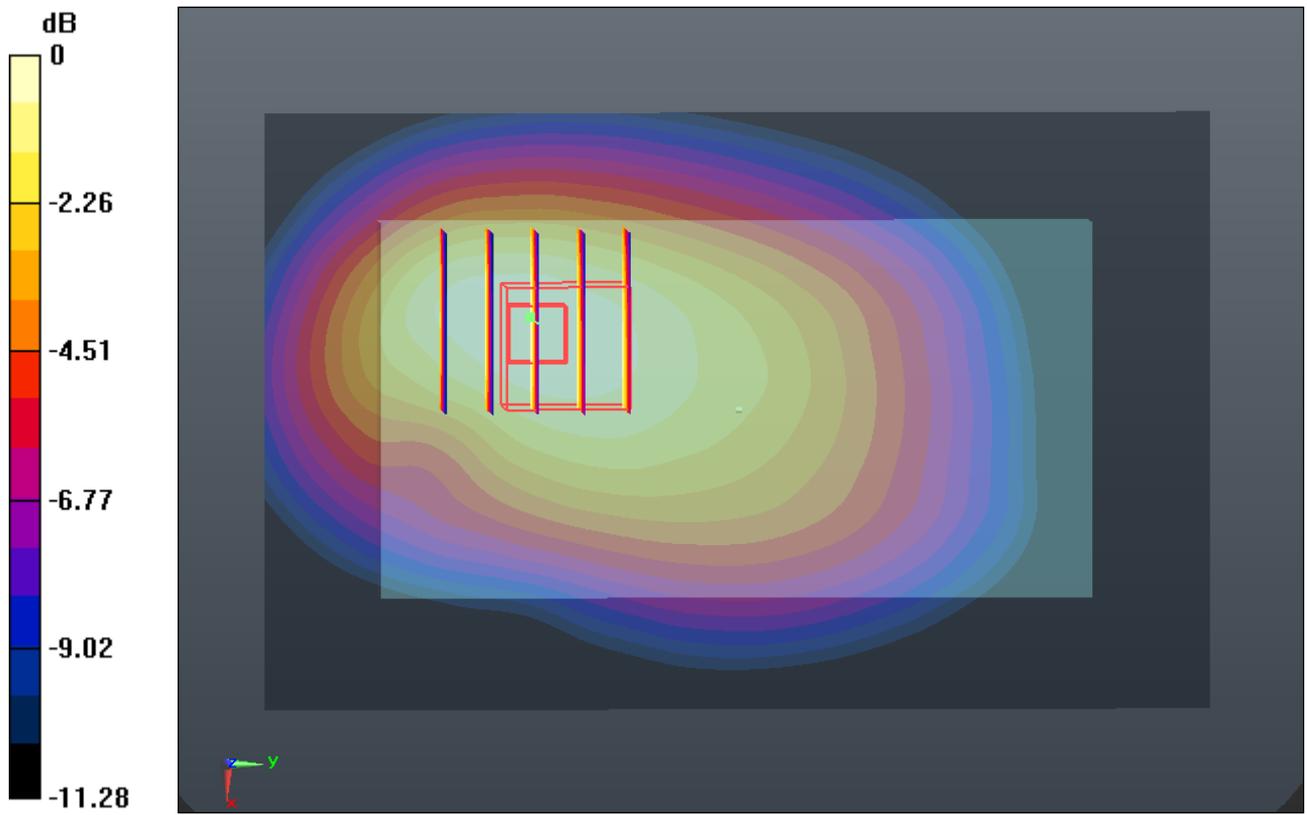
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.110 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.554 W/kg

SAR(1 g) = 0.379 mW/g; SAR(10 g) = 0.267 mW/g

Maximum value of SAR (measured) = 0.463 mW/g



0 dB = 0.460mW/g

#205 LTE Band 17_10M QPSK 25RB 0offset_Back 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.529 mW/g

Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.511 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.597 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.530 mW/g

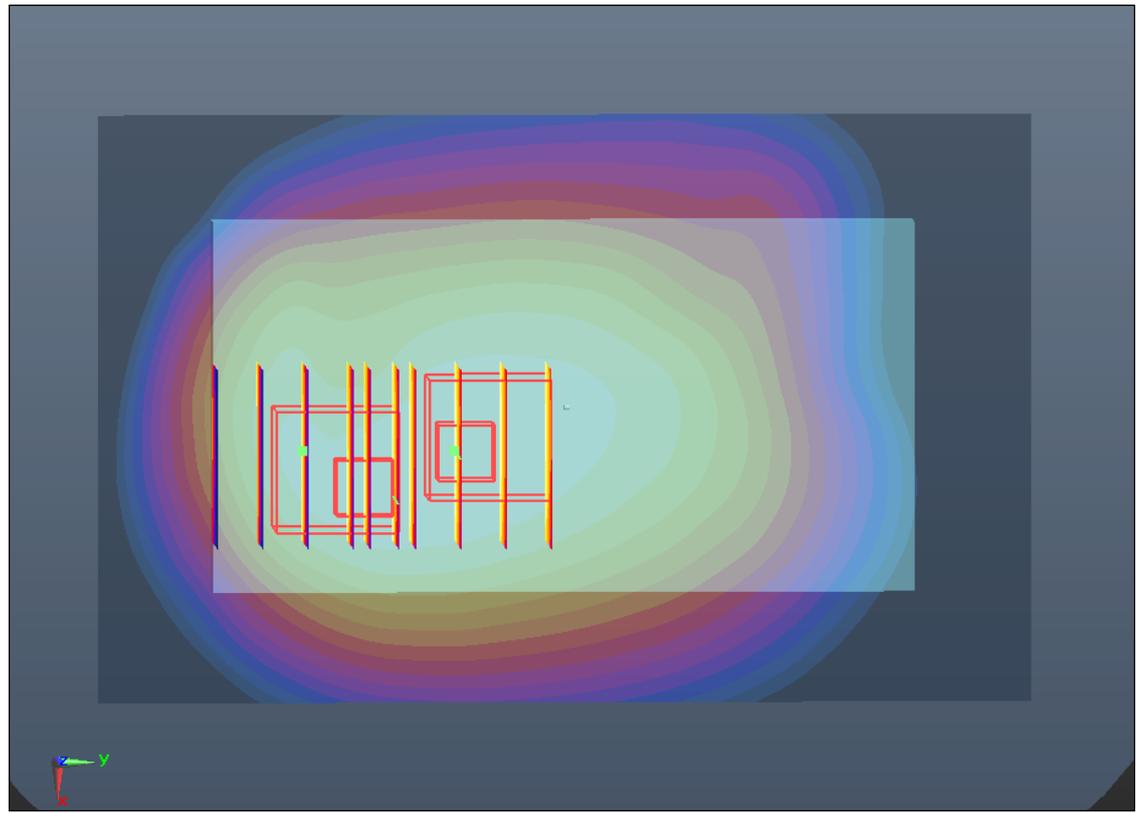
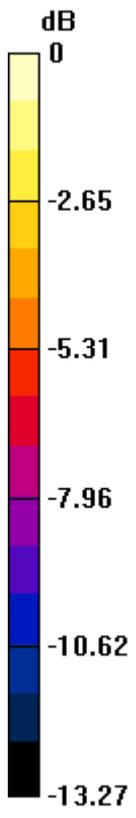
Ch23790/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.511 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.251 mW/g

Maximum value of SAR (measured) = 0.519 mW/g



0 dB = 0.520mW/g

#206 LTE Band 17_10M QPSK 25RB 0offset_Left Side 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.302 mW/g

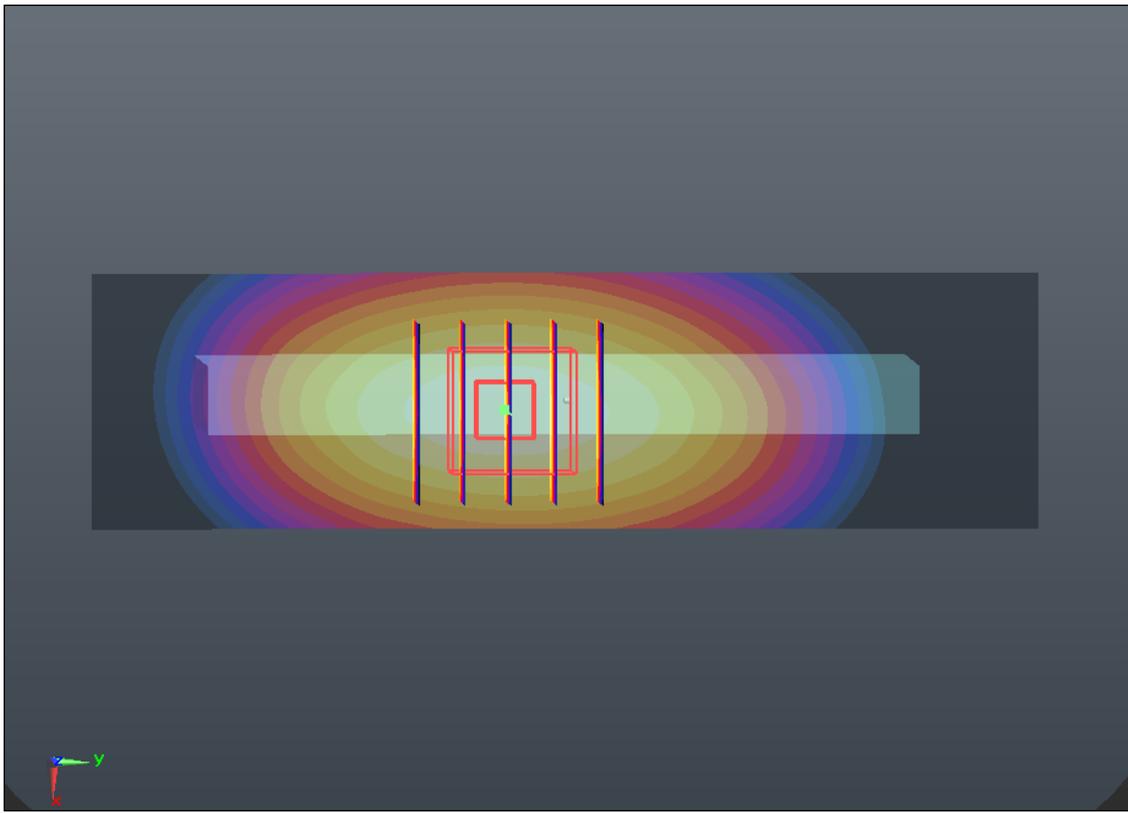
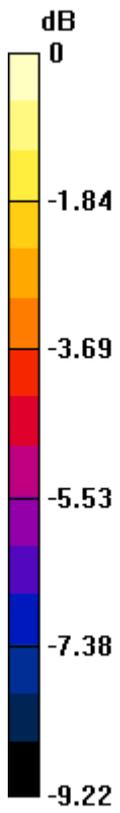
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.587 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.348 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.306 mW/g



0 dB = 0.310mW/g

#207 LTE Band 17_10M QPSK 25RB 0offset_Right Side 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.232 mW/g

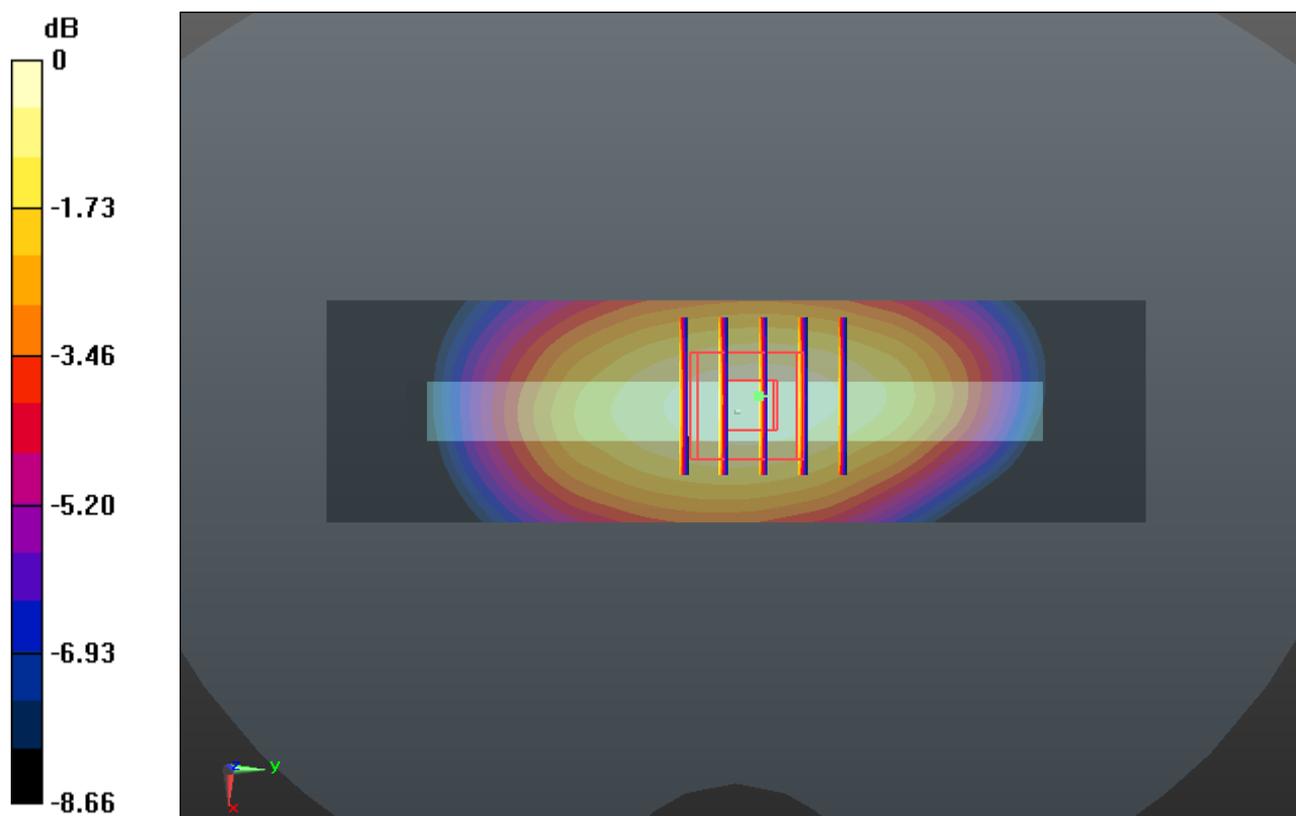
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.976 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.269 W/kg

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.142 mW/g

Maximum value of SAR (measured) = 0.237 mW/g



0 dB = 0.240mW/g

#208 LTE Band 17_10M QPSK 25RB 0offset_Bottom Side 1cm_Ch23790

DUT: 312303

Communication System: LTE; Frequency: 710 MHz; Duty Cycle: 1:1

Medium: MSL_750_130303 Medium parameters used: $f = 710$ MHz; $\sigma = 0.942$ mho/m; $\epsilon_r = 55.542$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(9.18, 9.18, 9.18); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch23790/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.063 mW/g

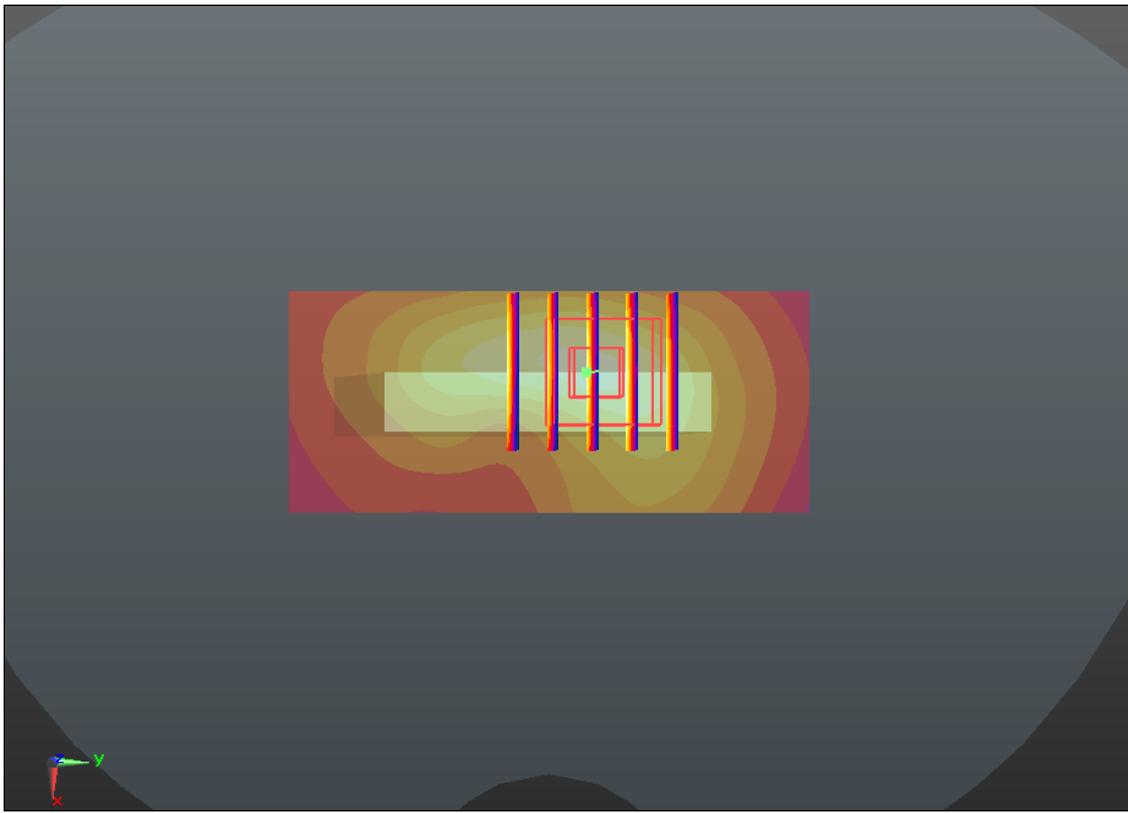
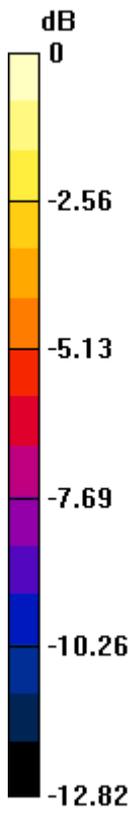
Ch23790/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.417 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.091 W/kg

SAR(1 g) = 0.055 mW/g; SAR(10 g) = 0.034 mW/g

Maximum value of SAR (measured) = 0.074 mW/g



0 dB = 0.070mW/g

#209 WLAN 2.4GHz Band_802.11b_Front 1cm_Ch11

DUT: 312303

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

Medium: MSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$

53.843; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.121 mW/g

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

Reference Value = 2.657 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.168 W/kg

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.121 mW/g

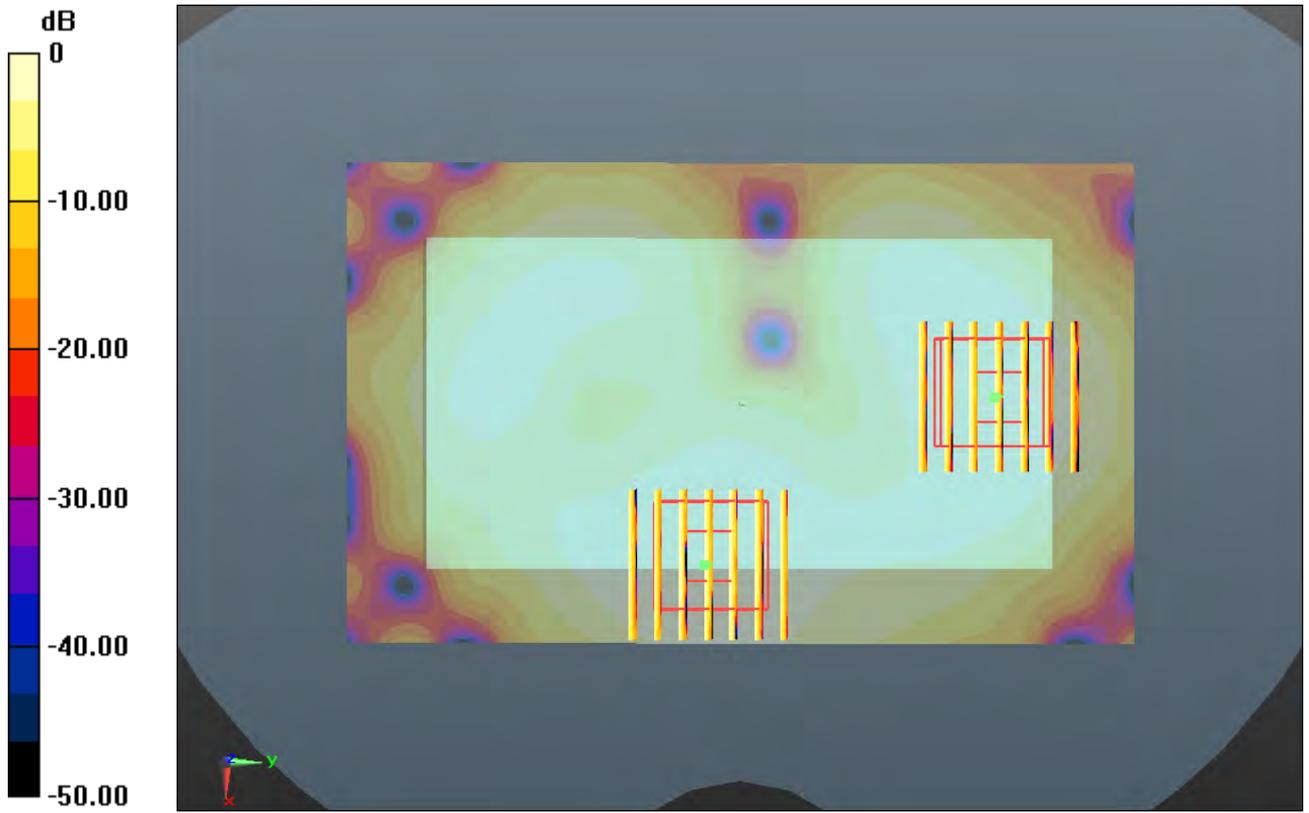
Ch11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 2.657 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.110 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.080 mW/g



0 dB = 0.080mW/g

#210 WLAN 2.4GHz Band_802.11b_Back 1cm_Ch11

DUT: 312303

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

Medium: MSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$

53.843 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.275 mW/g

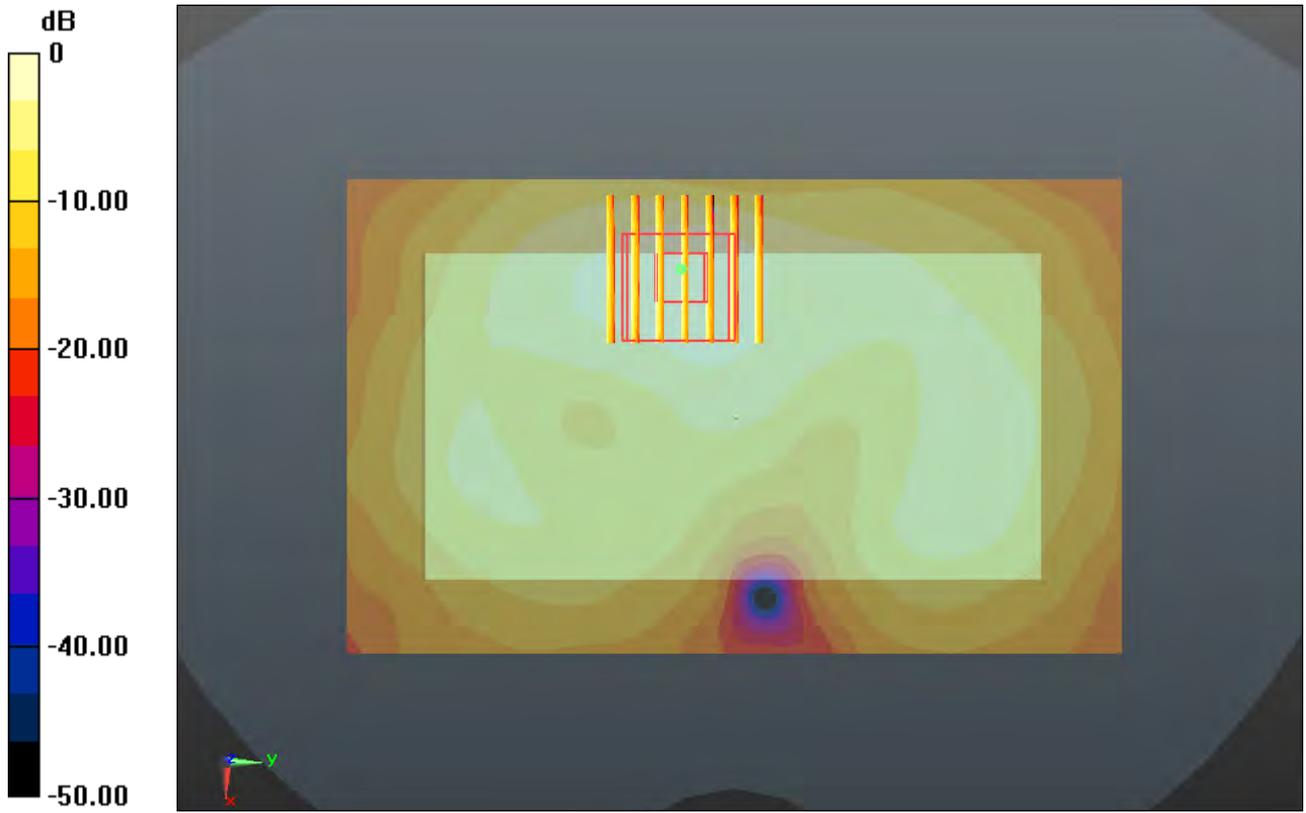
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.170 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.408 W/kg

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.093 mW/g

Maximum value of SAR (measured) = 0.287 mW/g



0 dB = 0.290mW/g

#211 WLAN 2.4GHz Band_802.11b_Right Side 1cm_Ch11

DUT: 312303

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

Medium: MSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$

53.843; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (41x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.182 mW/g

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

Reference Value = 6.187 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.273 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.189 mW/g

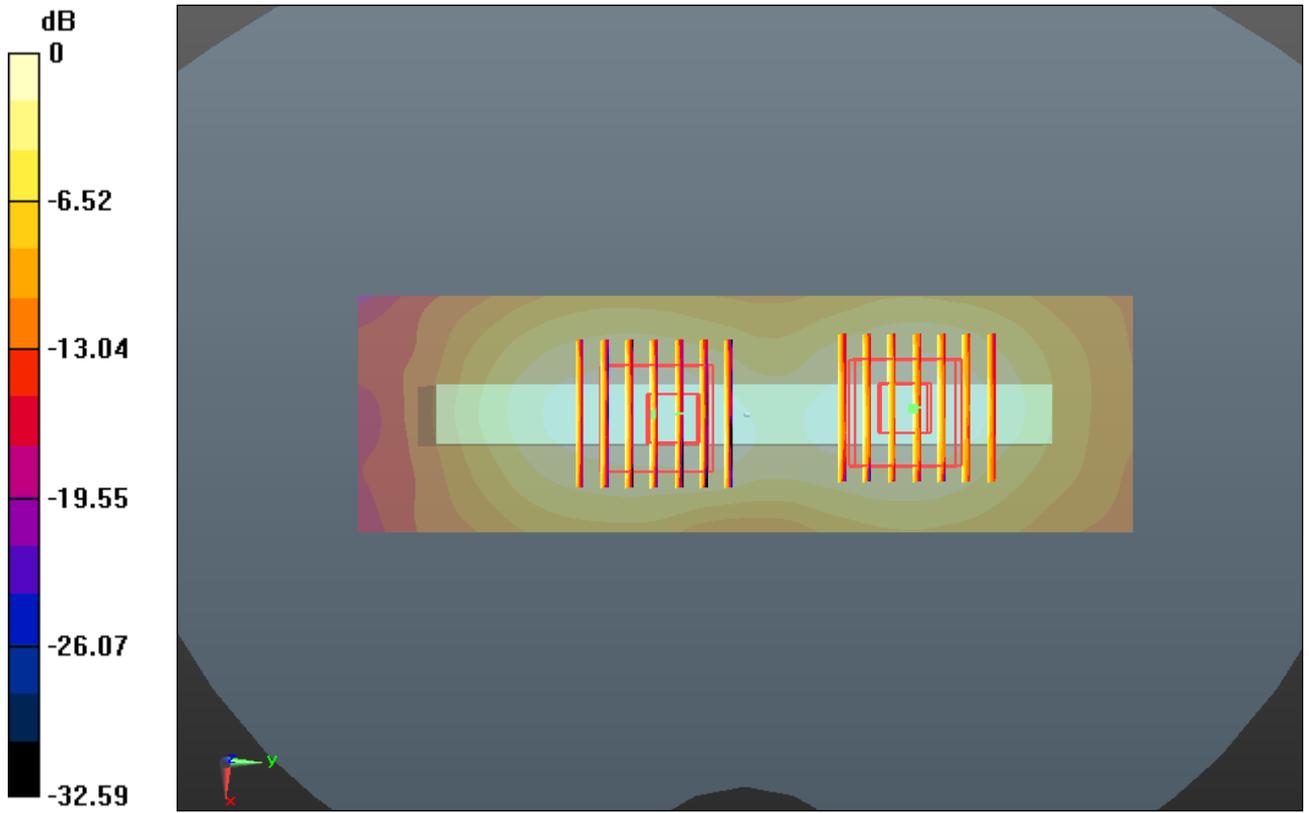
Ch11/Zoom Scan (7x7x7)/Cube 1: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 6.187 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.250 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.182 mW/g



0 dB = 0.180mW/g

#212 WLAN 2.4GHz Band_802.11b_Back 1cm_Ch11_Headset

DUT: 312303

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

Medium: MSL_2450_130301 Medium parameters used: $f = 2462$ MHz; $\sigma = 1.974$ mho/m; $\epsilon_r =$

53.843 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.1 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.94, 6.94, 6.94); Calibrated: 2012-6-20

- Sensor-Surface: 2mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2012-12-5

- Phantom: SAM1; Type: SAM; Serial: TP-1479

- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch11/Area Scan (81x131x1): Measurement grid: dx=12mm, dy=12mm

Maximum value of SAR (interpolated) = 0.249 mW/g

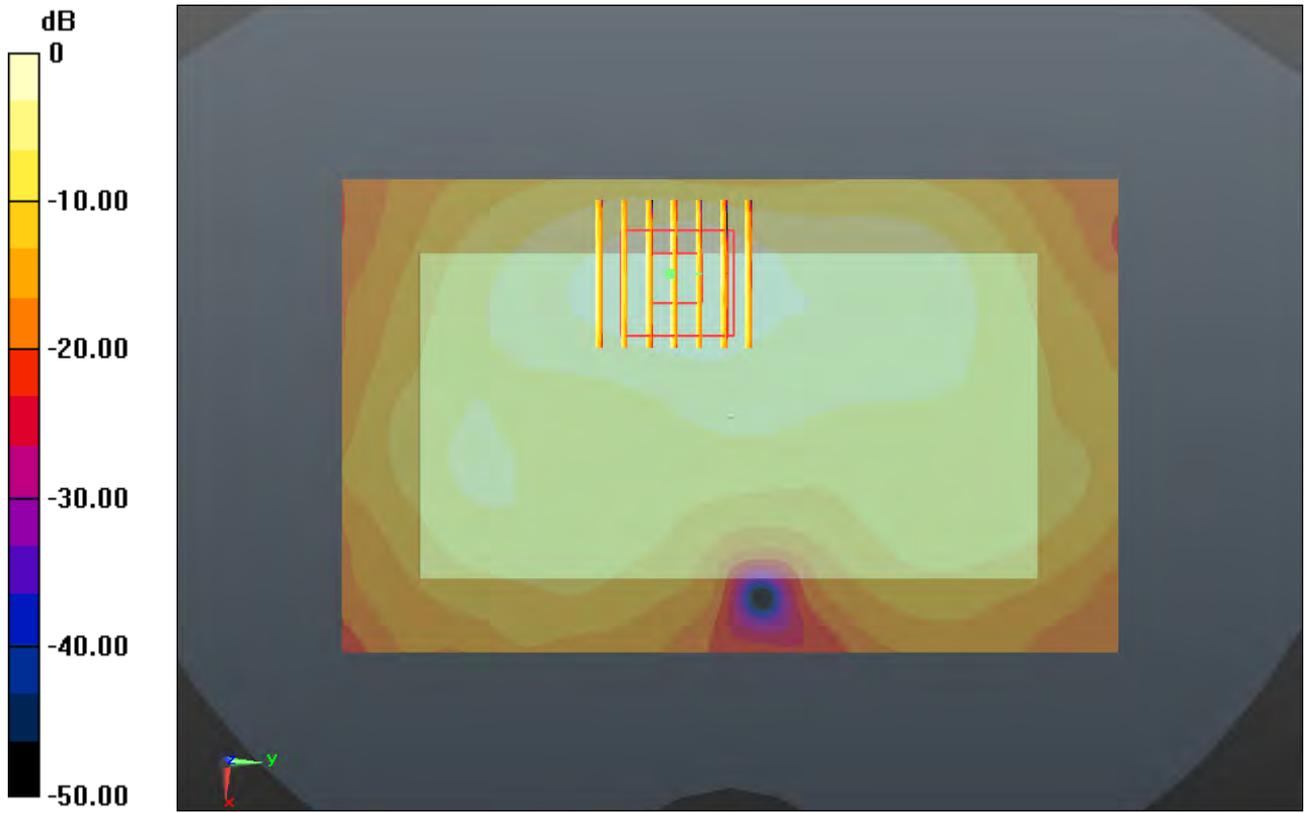
Ch11/Zoom Scan (7x7x7)/Cube 0: Measurement grid: dx=5mm, dy=5mm, dz=5mm

Reference Value = 5.195 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.372 W/kg

SAR(1 g) = 0.170 mW/g; SAR(10 g) = 0.083 mW/g

Maximum value of SAR (measured) = 0.259 mW/g



0 dB = 0.260mW/g