



Appendix B. Plots of SAR Measurement

The plots are shown as follows.

#01 CDMA2000 BC0_RC3 SO55_Right Cheek_Ch1013

DUT: 271302

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL_835_120730 Medium parameters used: $f = 825$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 43.299$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.590 mW/g

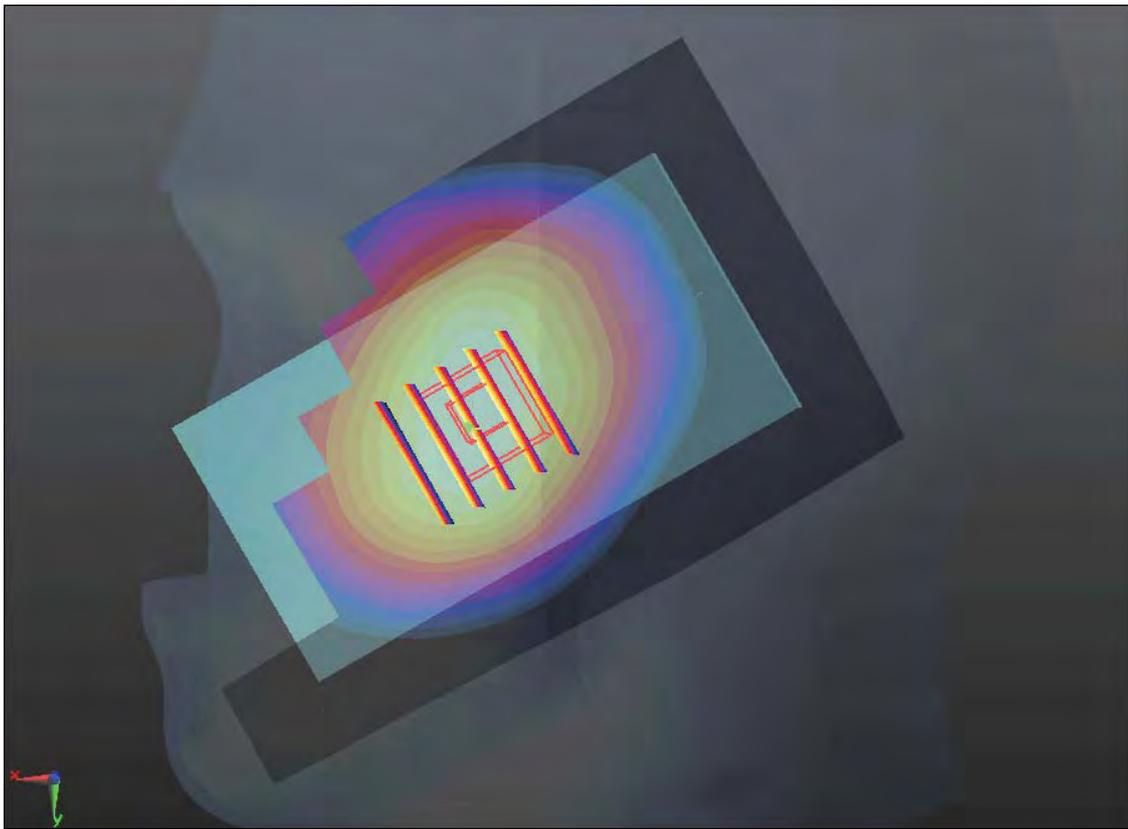
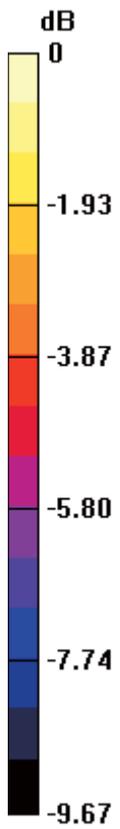
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.895 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.641 W/kg

SAR(1 g) = 0.539 mW/g; SAR(10 g) = 0.405 mW/g

Maximum value of SAR (measured) = 0.563 mW/g



0 dB = 0.560mW/g

#202 CDMA2000 BC0_RC3 SO55_Right Cheek_Ch1013

DUT: 271302

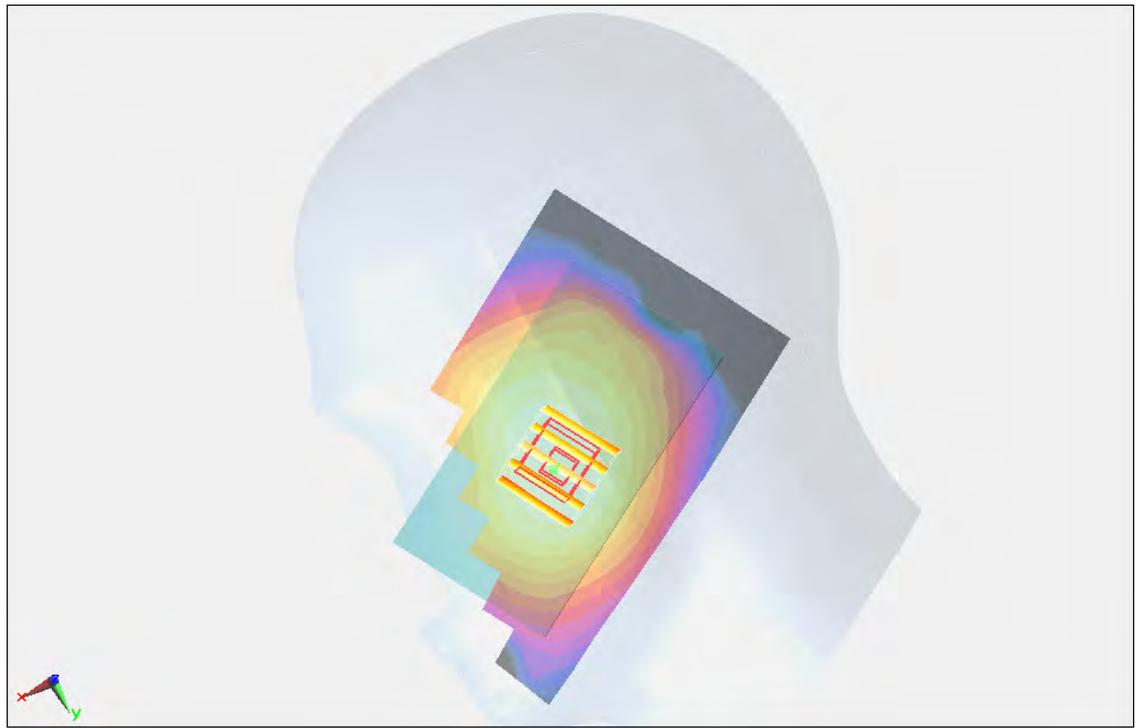
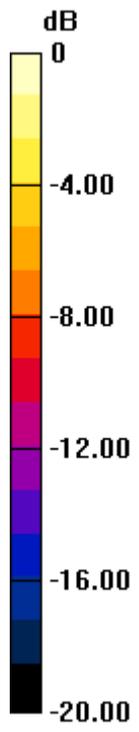
Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium: HSL_835_120811 Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 41.304$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.155 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.189 V/m; Power Drift = -0.04 dB
Peak SAR (extrapolated) = 0.165 W/kg
SAR(1 g) = 0.137 mW/g; SAR(10 g) = 0.104 mW/g
Maximum value of SAR (measured) = 0.145 mW/g



0 dB = 0.140mW/g

#02 CDMA2000 BC0_RC3 SO55_Right Tilted_Ch1013

DUT: 271302

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL_835_120730 Medium parameters used: $f = 825$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 43.299$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.398 mW/g

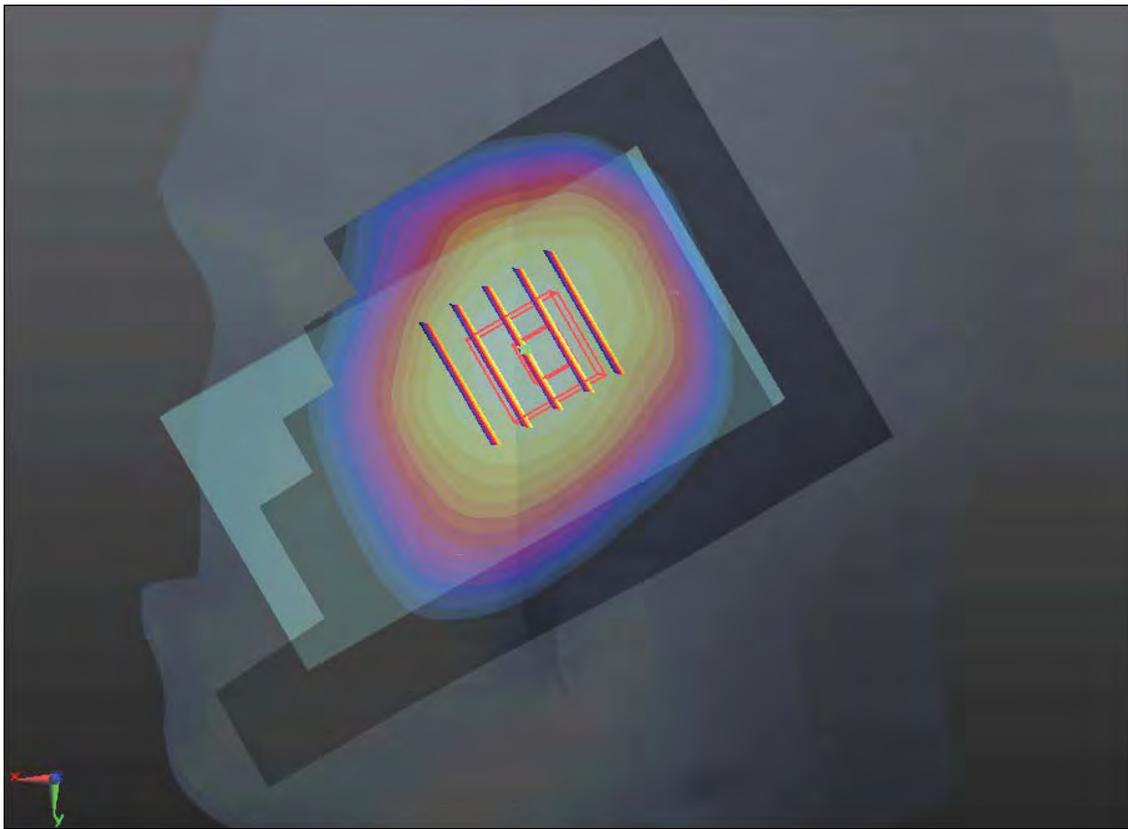
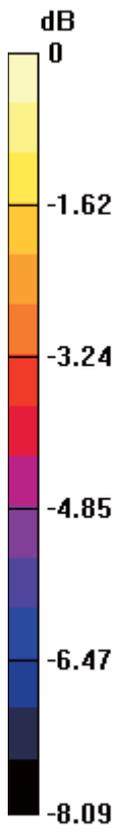
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.366 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 0.462 W/kg

SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.298 mW/g

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



0 dB = 0.400mW/g

#03 CDMA2000 BC0_RC3 SO55_Left Cheek_Ch1013

DUT: 271302

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL_835_120730 Medium parameters used: $f = 825$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 43.299$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.696 mW/g

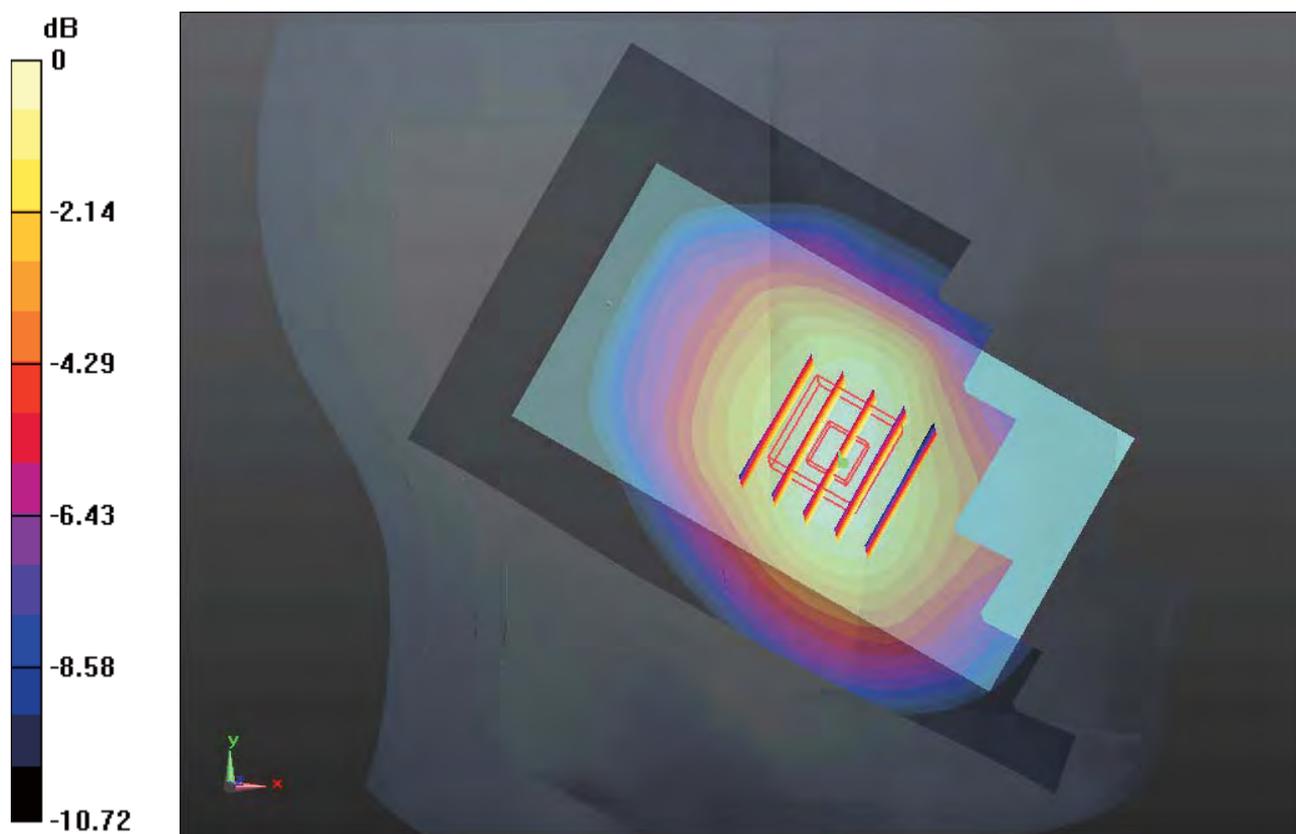
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.140 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.498 mW/g

Maximum value of SAR (measured) = 0.707 mW/g



#03 CDMA2000 BC0_RC3 SO55_Left Cheek_Ch1013_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL_835_120730 Medium parameters used: $f = 825$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 43.299$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.696 mW/g

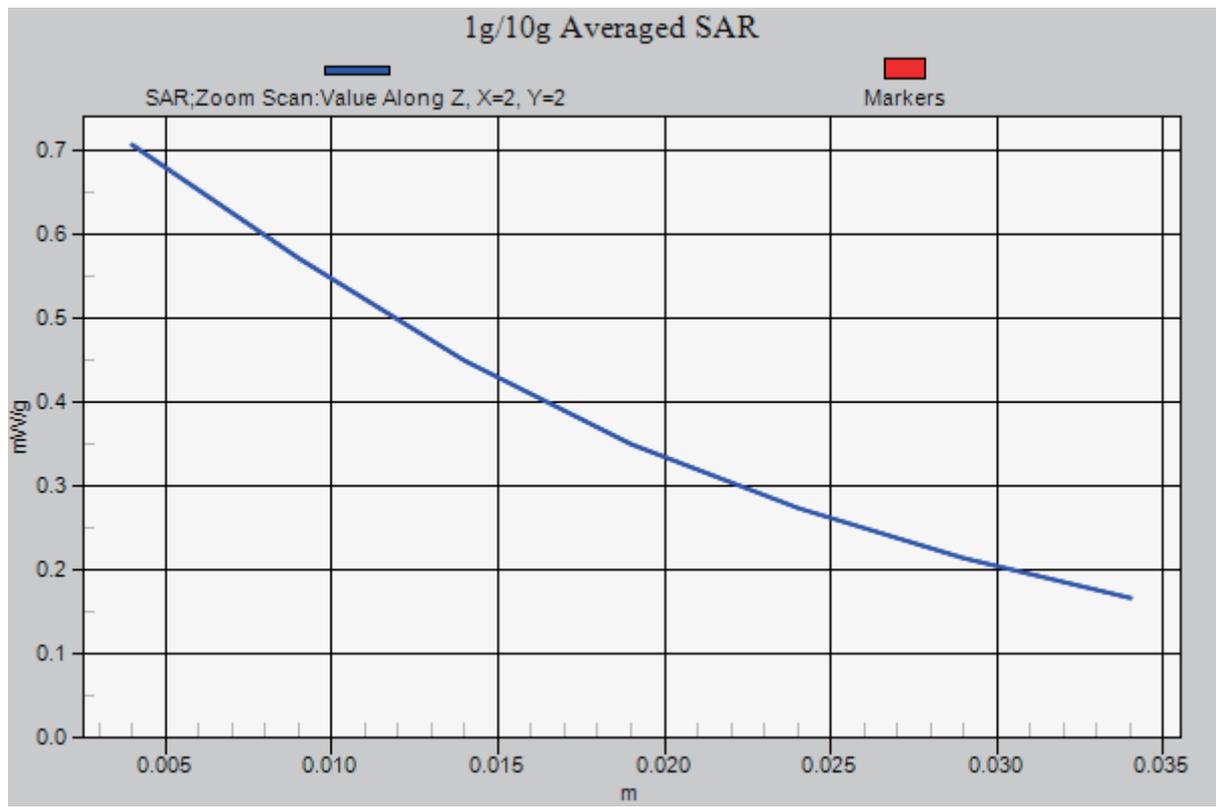
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.140 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.803 W/kg

SAR(1 g) = 0.664 mW/g; SAR(10 g) = 0.498 mW/g

Maximum value of SAR (measured) = 0.707 mW/g



#209 CDMA2000 BC0_RC3 SO55_Left Check_Ch1013

DUT: 271302

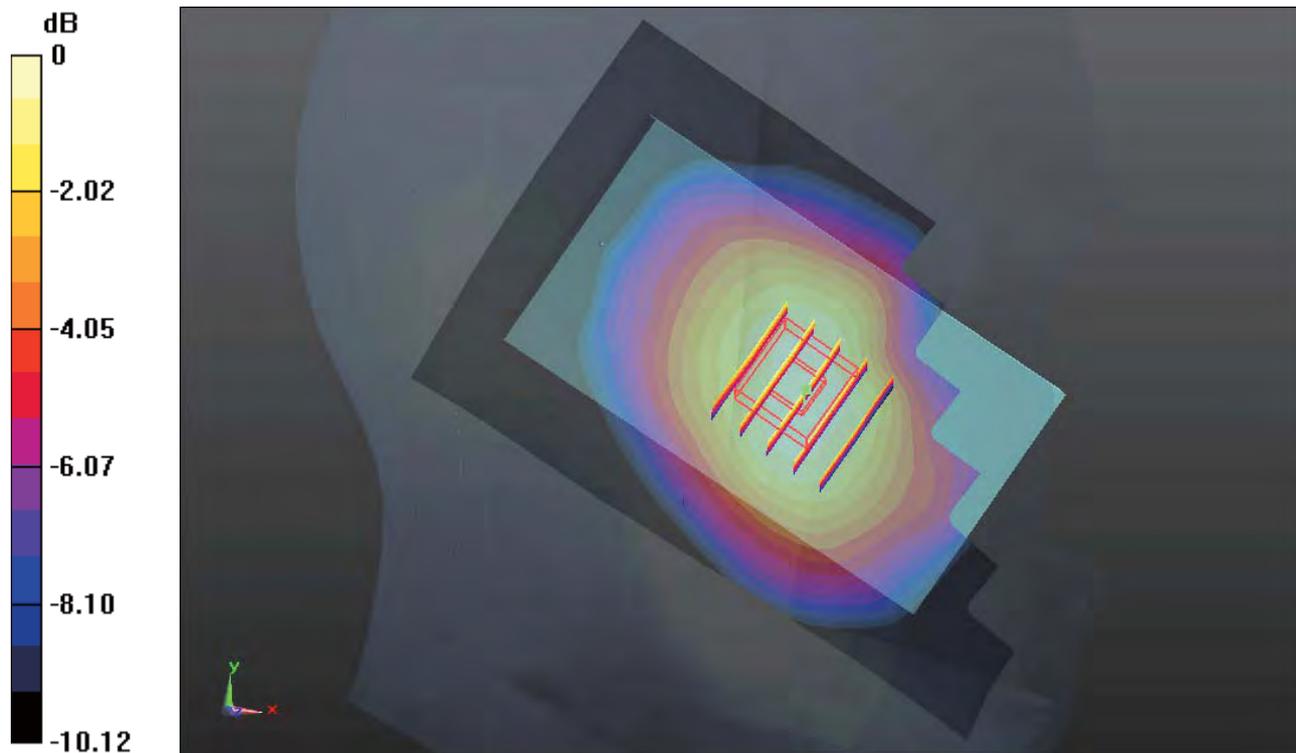
Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1
Medium: HSL_835_120811 Medium parameters used: $f = 824.7$ MHz; $\sigma = 0.895$ mho/m; $\epsilon_r = 41.304$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.1 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.166 mW/g

Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.585 V/m; Power Drift = -0.07 dB
Peak SAR (extrapolated) = 0.188 W/kg
SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.119 mW/g
Maximum value of SAR (measured) = 0.166 mW/g



0 dB = 0.170mW/g

#04 CDMA2000 BC0_RC3 SO55_Left Tilted_Ch1013

DUT: 271302

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: HSL_835_120730 Medium parameters used: $f = 825$ MHz; $\sigma = 0.893$ mho/m; $\epsilon_r = 43.299$;

$\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.74, 8.74, 8.74); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1013/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.488 mW/g

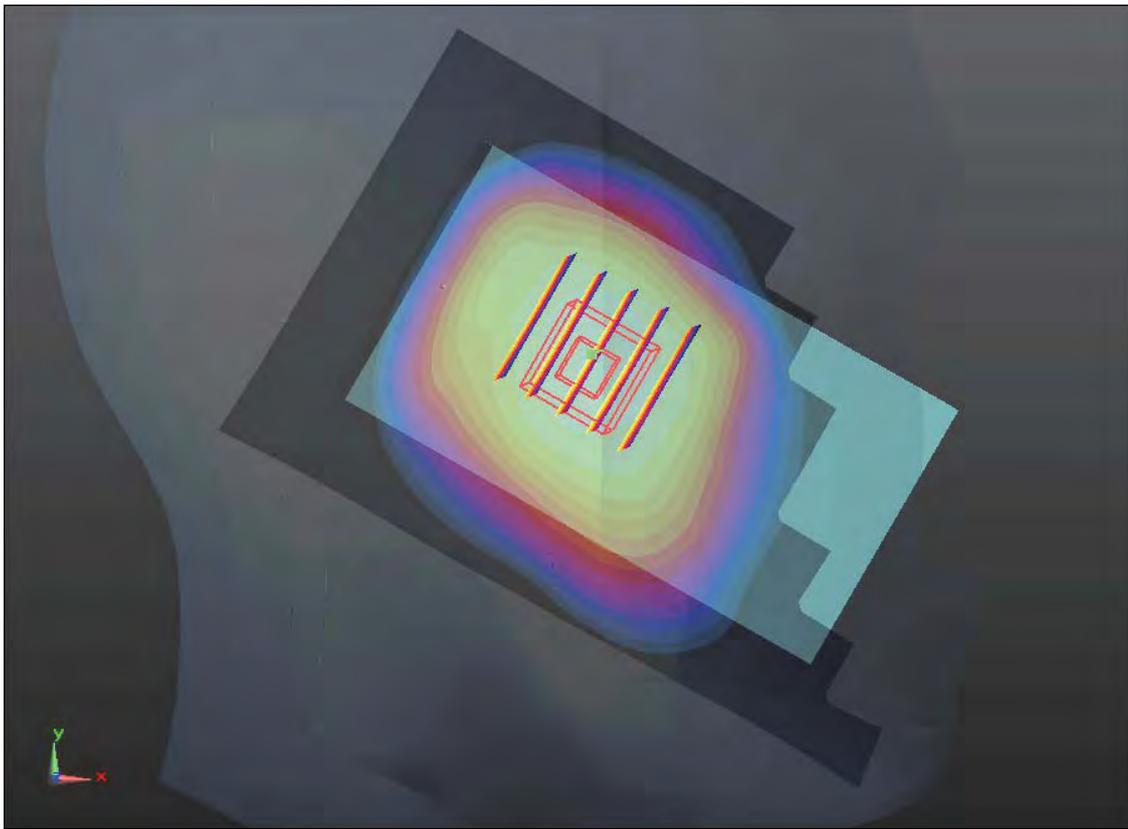
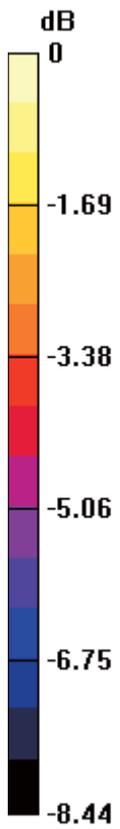
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.414 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.547 W/kg

SAR(1 g) = 0.460 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.483 mW/g



0 dB = 0.480mW/g

#07 CDMA2000 BC1_RC3 SO55_Right Cheek_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.453 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.561 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.627 W/kg

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.455 mW/g

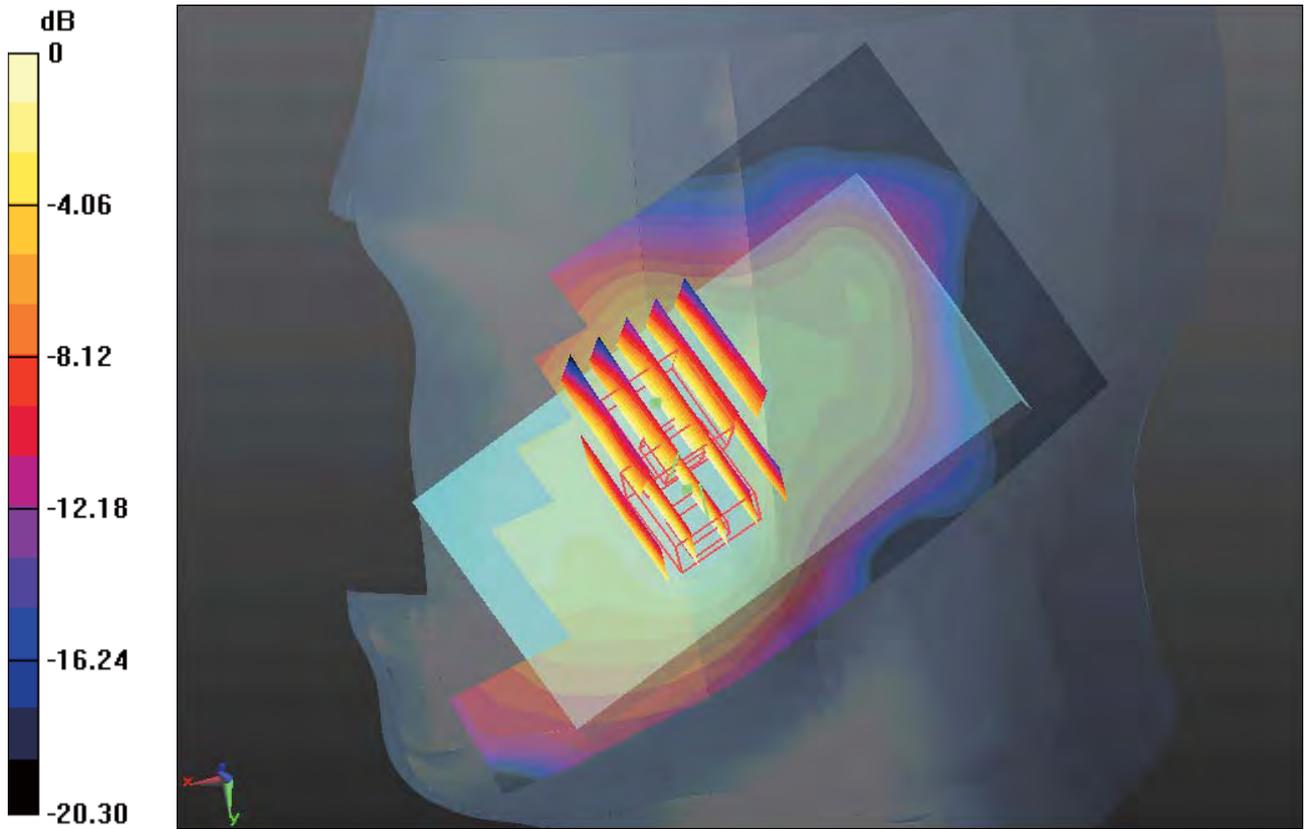
Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.561 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.561 W/kg

SAR(1 g) = 0.368 mW/g; SAR(10 g) = 0.235 mW/g

Maximum value of SAR (measured) = 0.413 mW/g



0 dB = 0.410mW/g

#203 CDMA2000 BC1_RC3 SO55_Right Cheek_Ch1175

DUT: 271302

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: HSL_1900_120812 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.456$ mho/m; $\epsilon_r = 39.32$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.6 °C

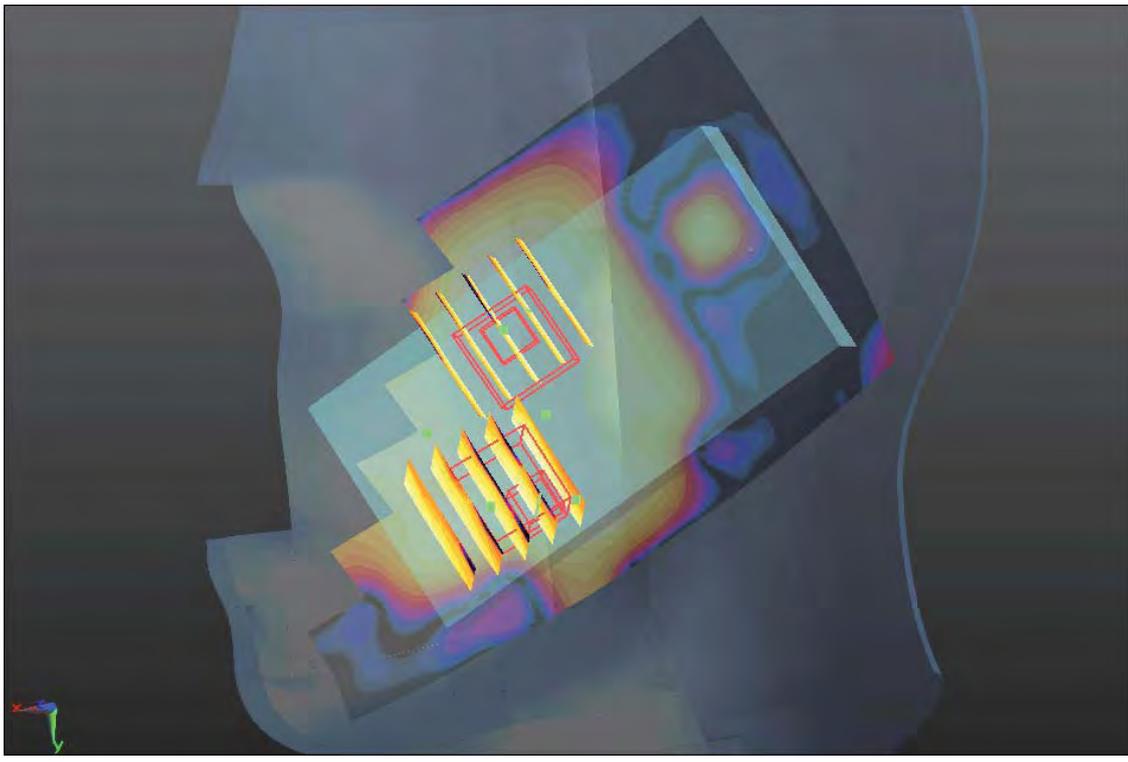
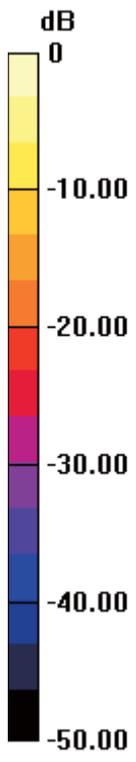
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.047 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.125 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.092 W/kg
SAR(1 g) = 0.03 mW/g; SAR(10 g) = 0.015 mW/g
Maximum value of SAR (measured) = 0.047 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 2.125 V/m; Power Drift = 0.10 dB
Peak SAR (extrapolated) = 0.097 W/kg
SAR(1 g) = 0.029 mW/g; SAR(10 g) = 0.023 mW/g
Maximum value of SAR (measured) = 0.039 mW/g



0 dB = 0.040mW/g

#08 CDMA2000 BC1_RC3 SO55_Right Tilted_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r =$

39.26 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.259 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.906 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.331 W/kg

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.228 mW/g

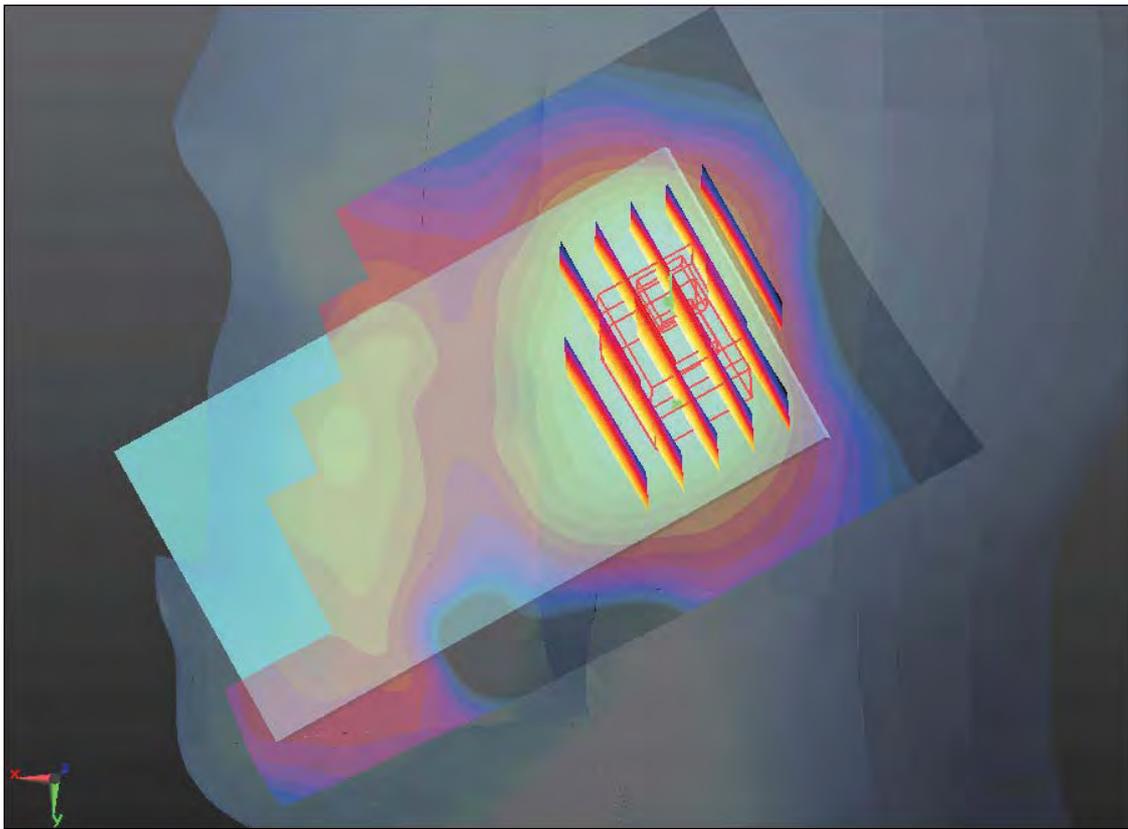
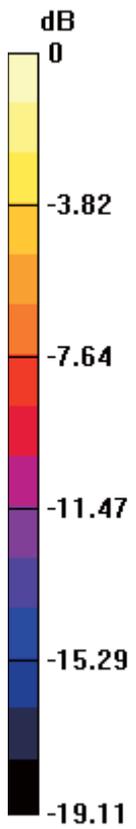
Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.906 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.311 W/kg

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.132 mW/g

Maximum value of SAR (measured) = 0.224 mW/g



0 dB = 0.220mW/g

#09 CDMA2000 BC1_RC3 SO55_Left Cheek_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.542 mW/g

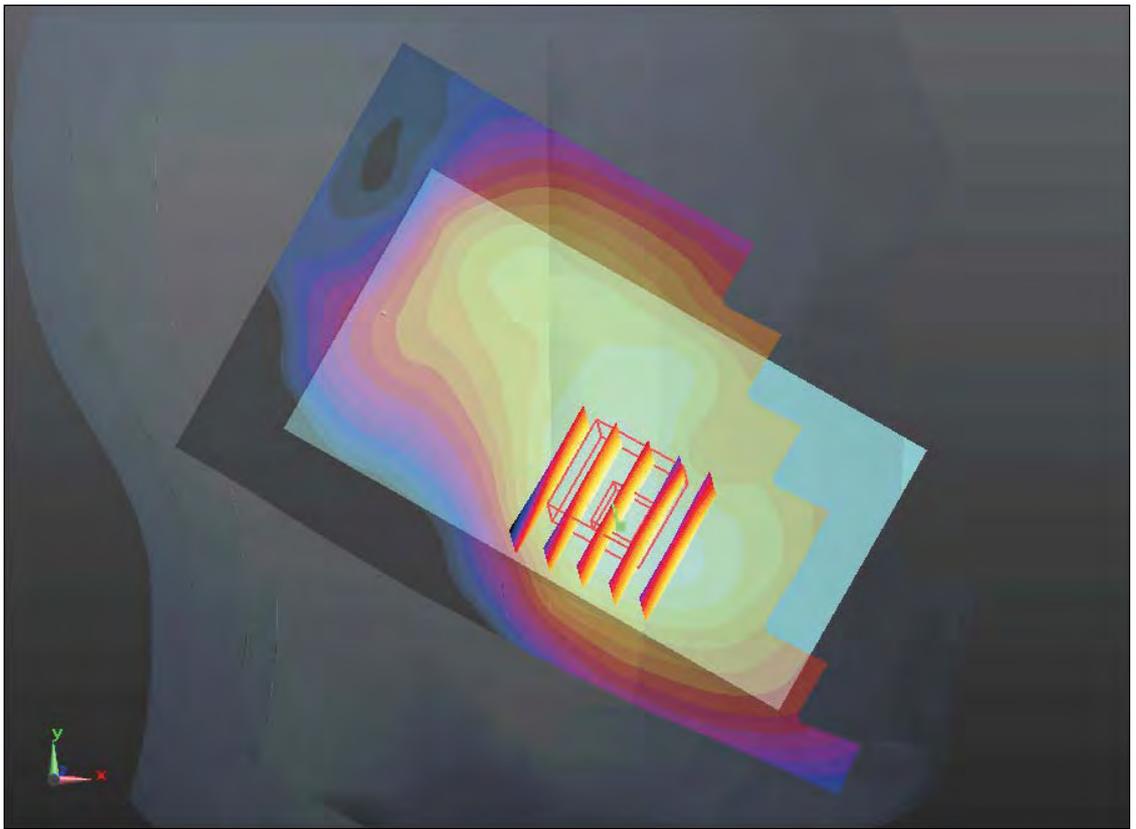
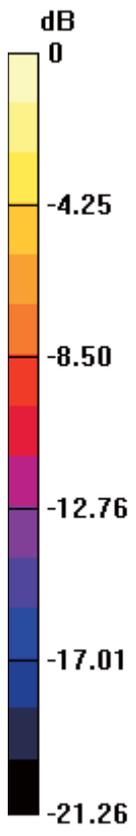
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.972 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.685 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.477 mW/g



0 dB = 0.480mW/g

#09 CDMA2000 BC1_RC3 SO55_Left Cheek_Ch25_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.542 mW/g

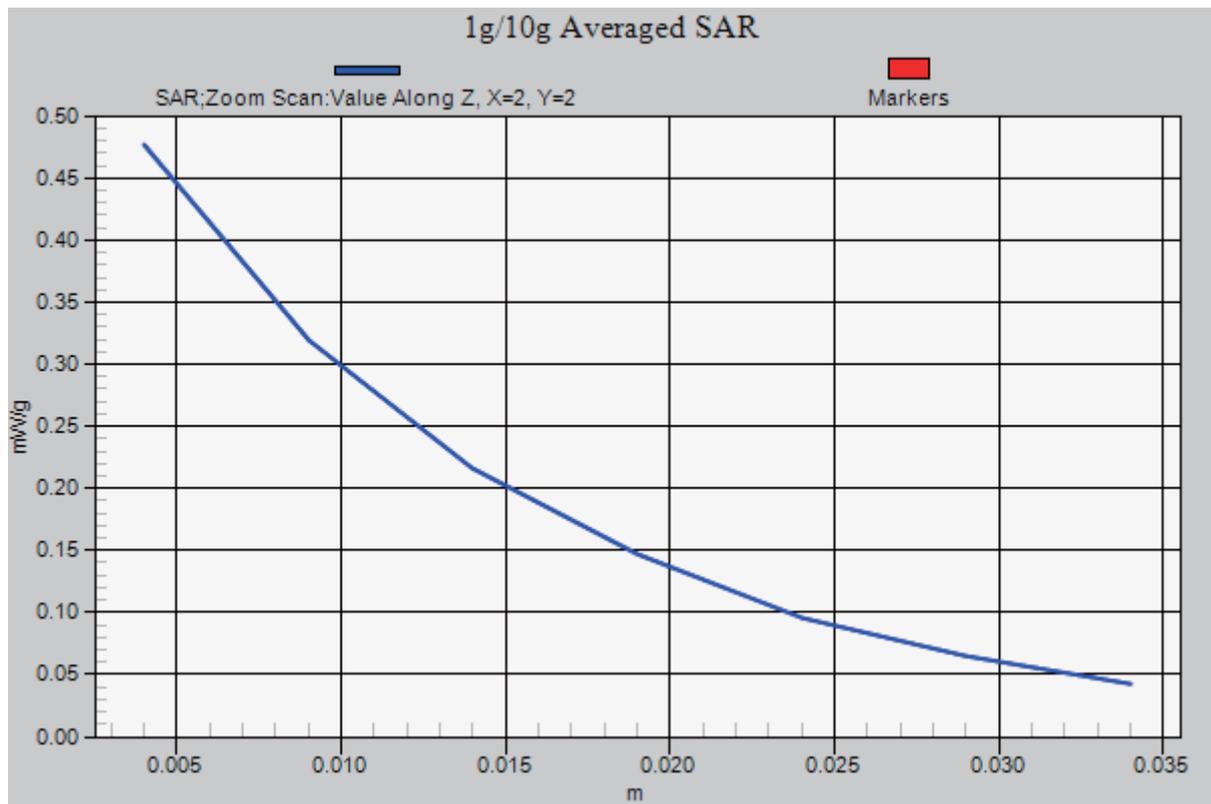
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.972 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.685 W/kg

SAR(1 g) = 0.449 mW/g; SAR(10 g) = 0.283 mW/g

Maximum value of SAR (measured) = 0.477 mW/g



#210 CDMA2000 BC1_RC3 SO55_Left Check_Ch1175

DUT: 271302

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: HSL_1900_120812 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.466$ mho/m; $\epsilon_r = 39.32$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.6 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.078 mW/g

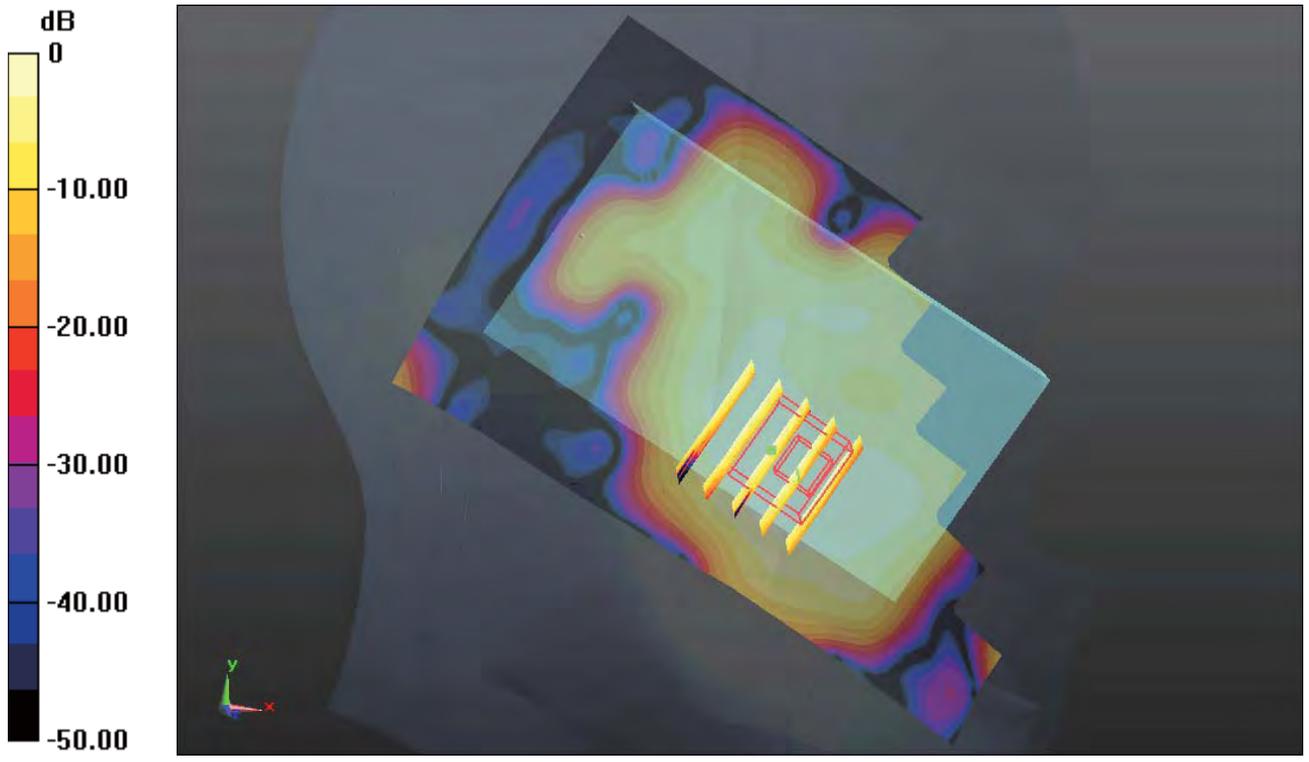
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.102 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.107 W/kg

SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.071 mW/g



0 dB = 0.070mW/g

#10 CDMA2000 BC1_RC3 SO55_Left Tilted_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.306 mW/g

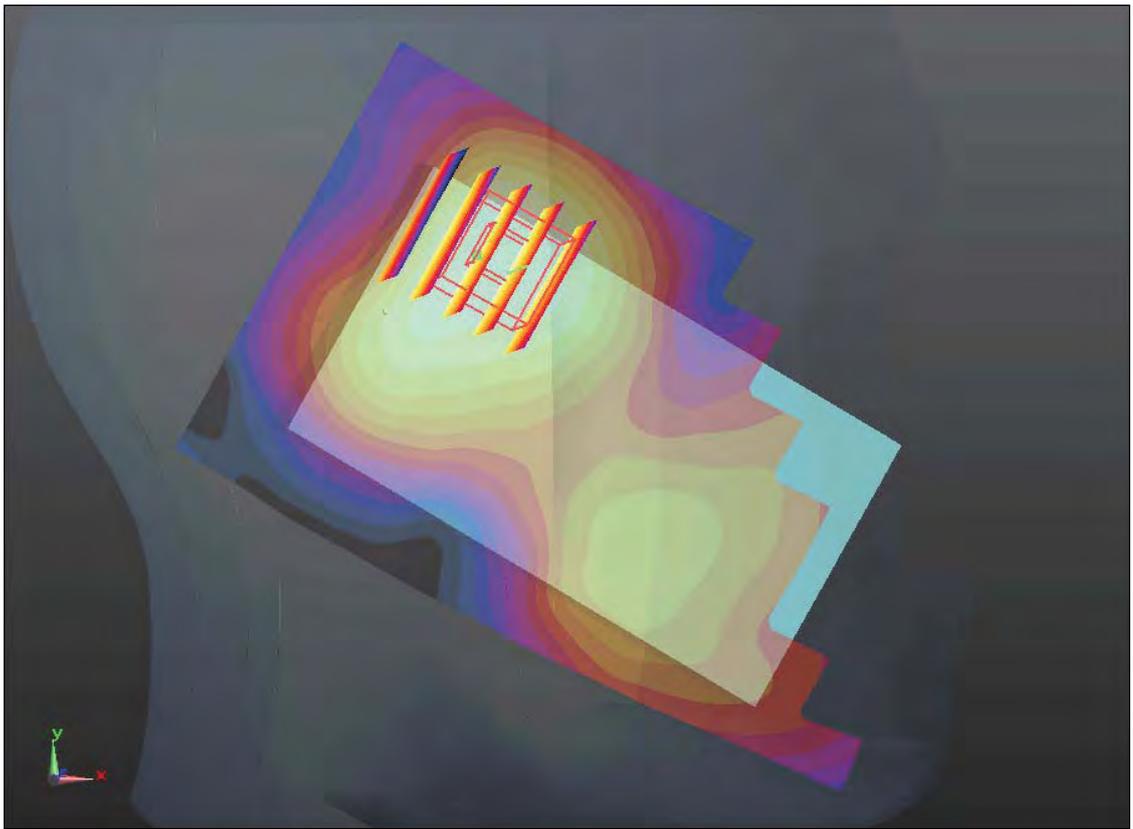
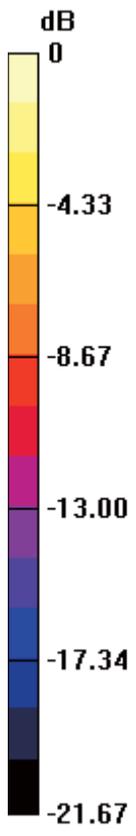
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.509 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.391 W/kg

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.158 mW/g

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



0 dB = 0.260mW/g

#15 CDMA2000 BC1_RTAP 153.6_Right Cheek_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.425$ mho/m; $\epsilon_r =$

39.157 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.169 mW/g

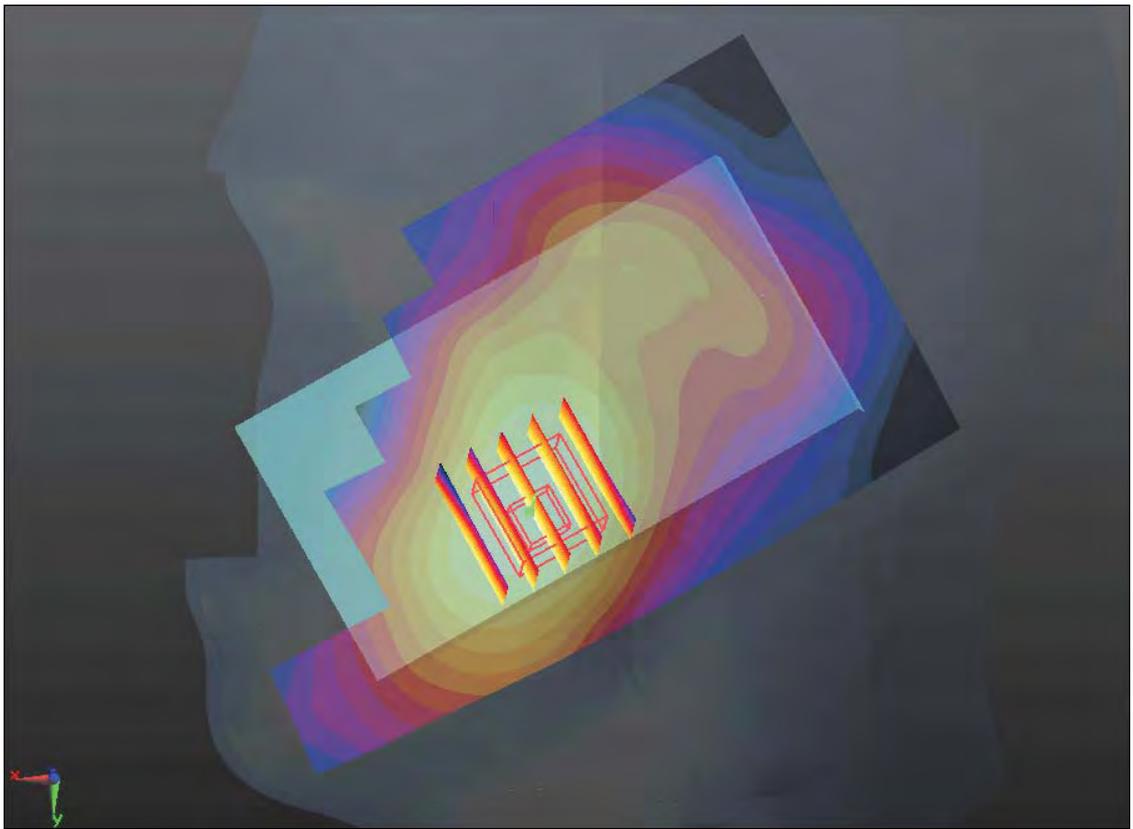
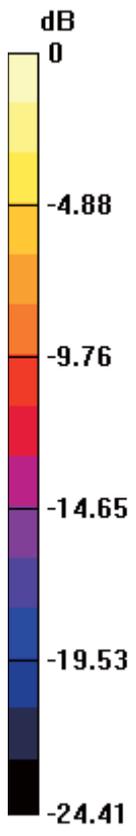
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.725 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.593 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.616 mW/g

Maximum value of SAR (measured) = 1.109 mW/g



0 dB = 1.110mW/g

#19 CDMA2000 BC1_RTAP 153.6_Right Cheek_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.243 mW/g

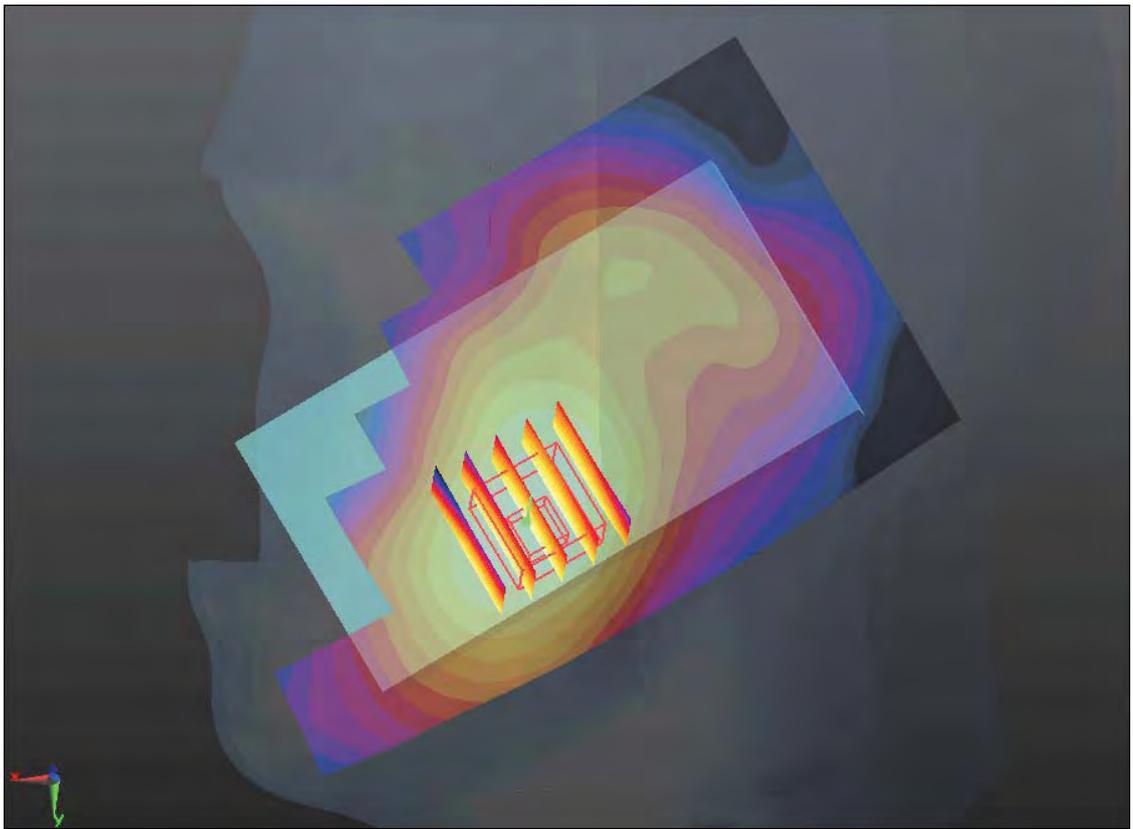
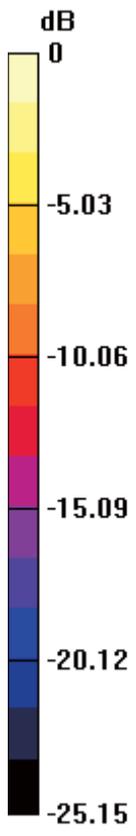
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.920 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.669 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.647 mW/g

Maximum value of SAR (measured) = 1.141 mW/g



0 dB = 1.140mW/g

#19 CDMA2000 BC1_RTAP 153.6_Right Cheek_Ch25_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 39.26$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.243 mW/g

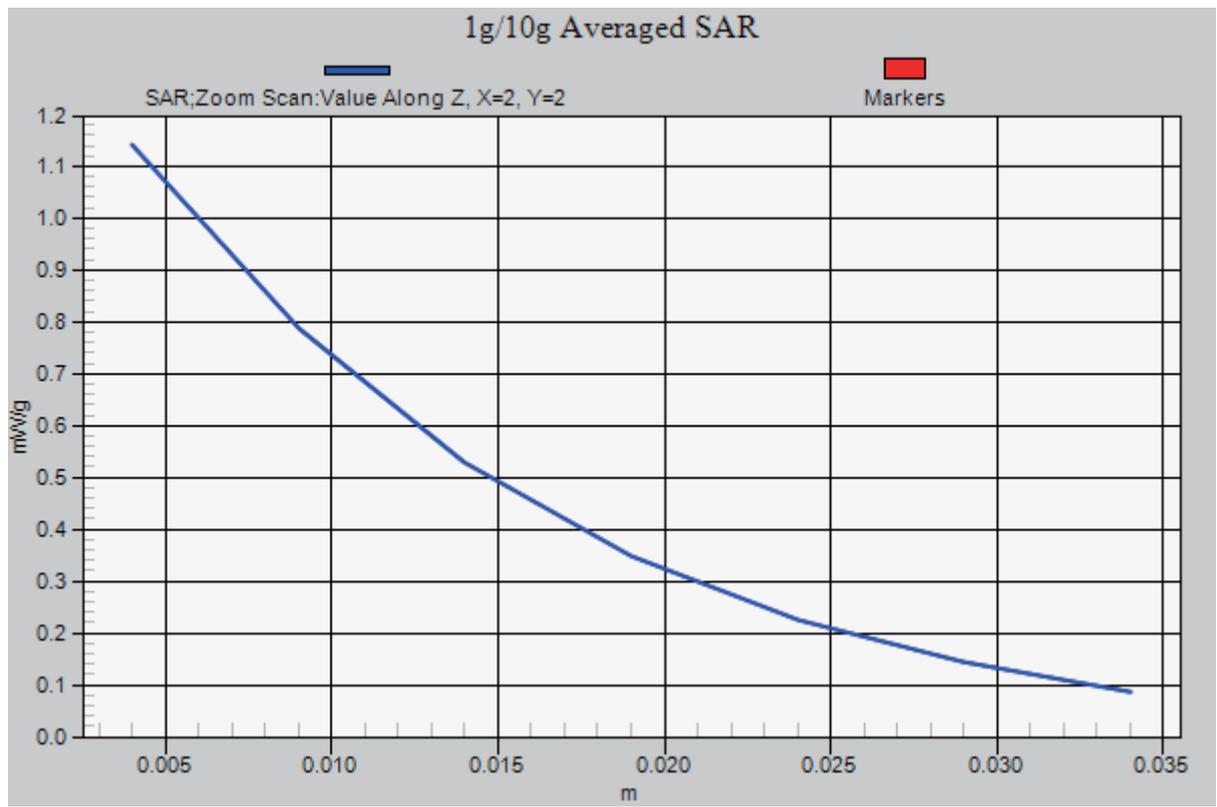
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.920 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.669 W/kg

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.647 mW/g

Maximum value of SAR (measured) = 1.141 mW/g



#20 CDMA2000 BC1_RTAP 153.6_Right Cheek_Ch1175

DUT: 271302

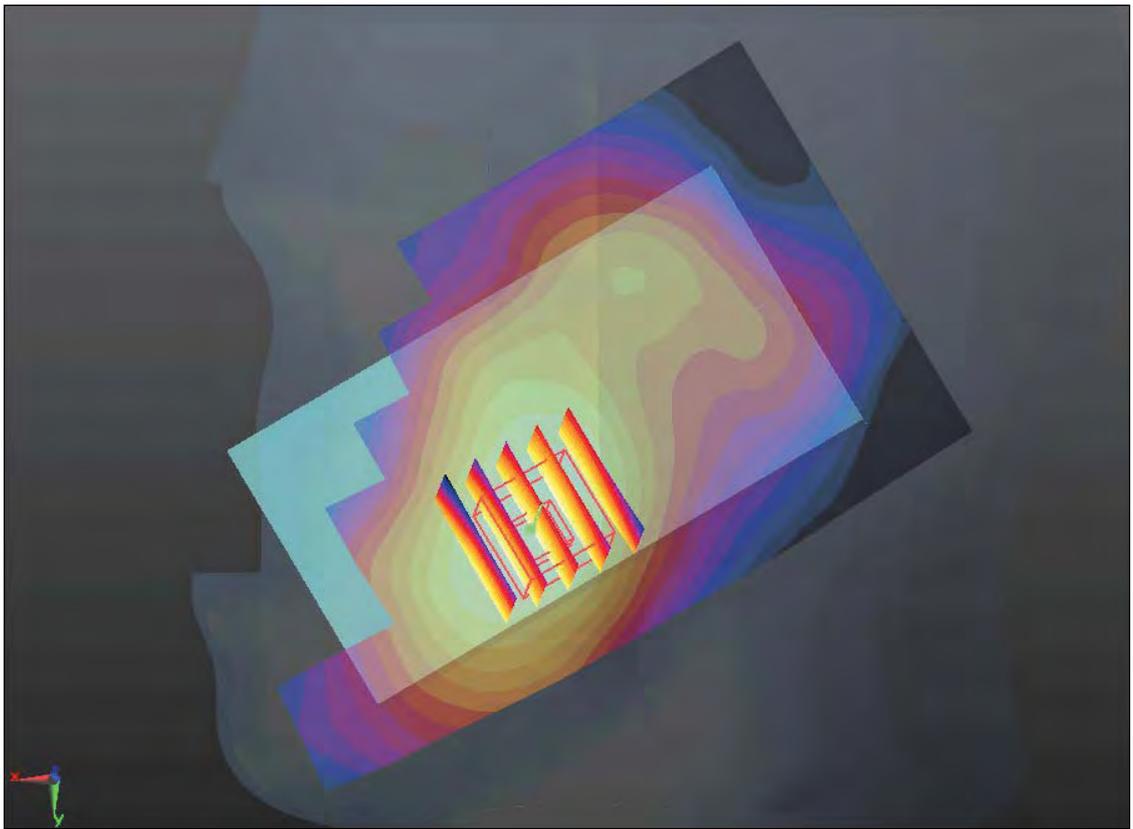
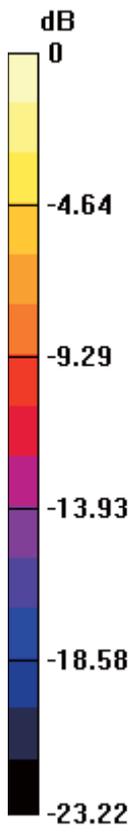
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: HSL_1900_120727 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.455$ mho/m; $\epsilon_r = 39.059$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.084 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.663 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.492 W/kg
SAR(1 g) = 0.949 mW/g; SAR(10 g) = 0.570 mW/g
Maximum value of SAR (measured) = 1.013 mW/g



0 dB = 1.010mW/g

#205 CDMA2000 BC1_RTAP153.6_Right Cheek_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.434$ mho/m; $\epsilon_r =$

39.45 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.170 mW/g

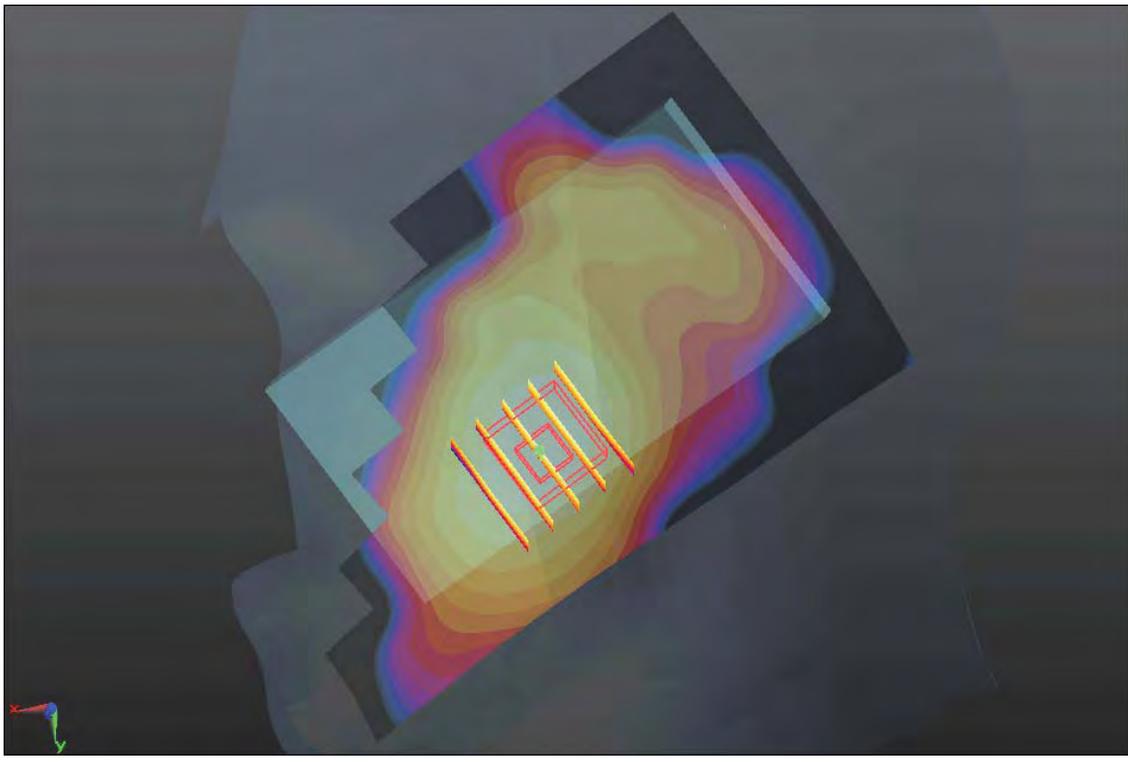
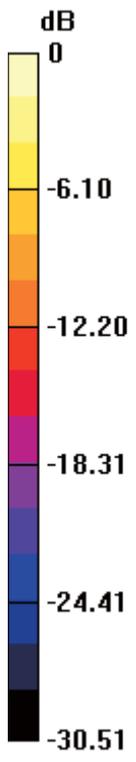
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.883 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.232 W/kg

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.167 mW/g



0 dB = 0.170mW/g

#16 CDMA2000 BC1_RTAP 153.6_Right Tilted_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.425$ mho/m; $\epsilon_r =$

39.157 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.371 mW/g

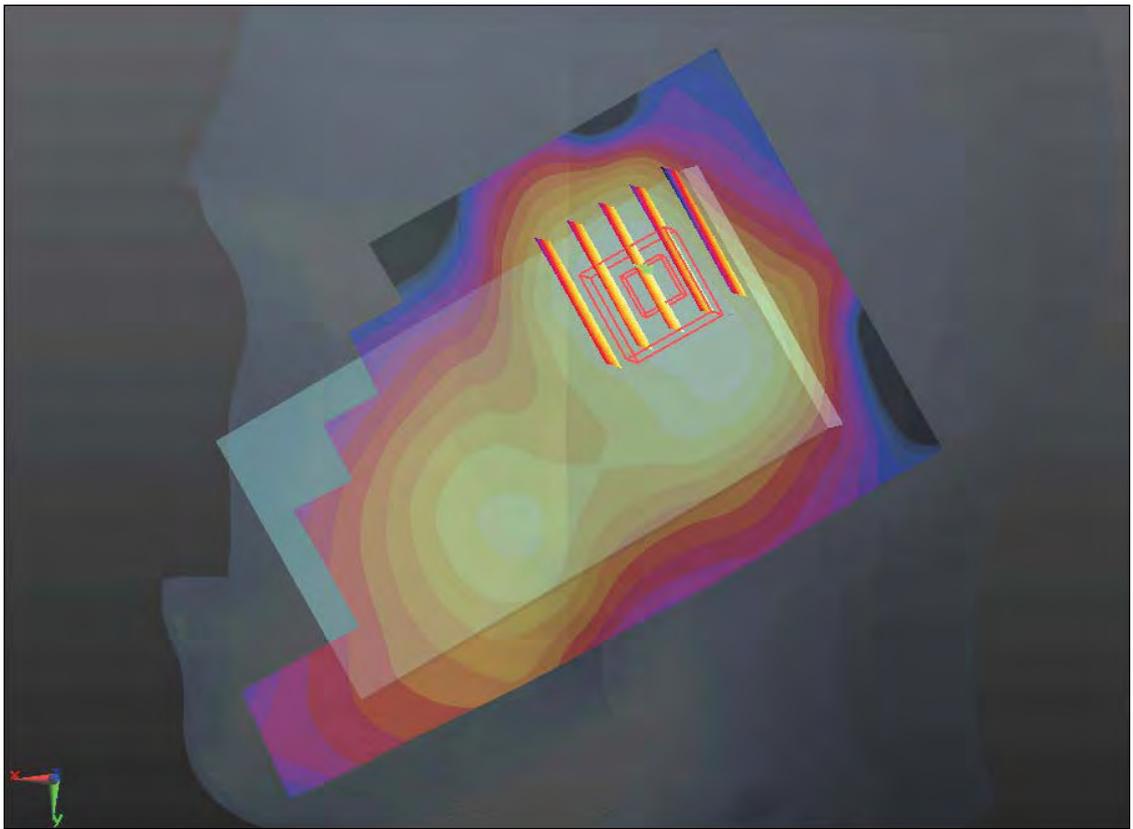
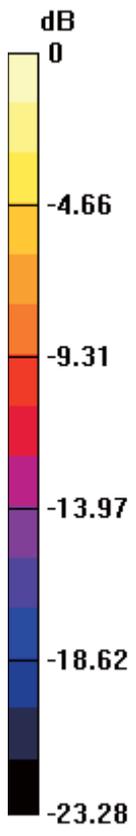
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.265 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.318 mW/g



0 dB = 0.320mW/g

#17 CDMA2000 BC1_RTAP 153.6_Left Cheek_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.425$ mho/m; $\epsilon_r =$

39.157 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.617 mW/g

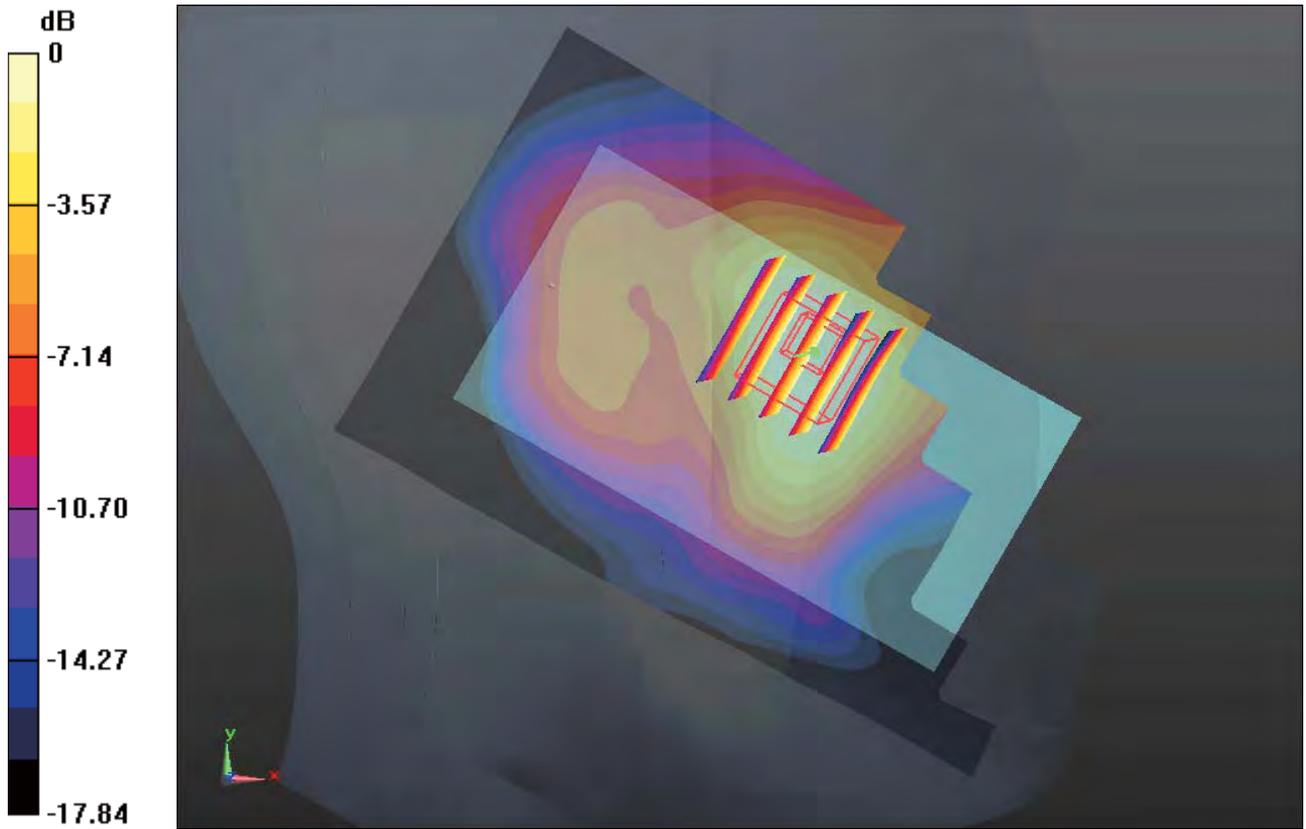
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.833 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.808 W/kg

SAR(1 g) = 0.533 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.561 mW/g



0 dB = 0.560mW/g

#18 CDMA2000 BC1_RTAP 153.6_Left Tilted_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: HSL_1900_120727 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.425$ mho/m; $\epsilon_r =$

39.157 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

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

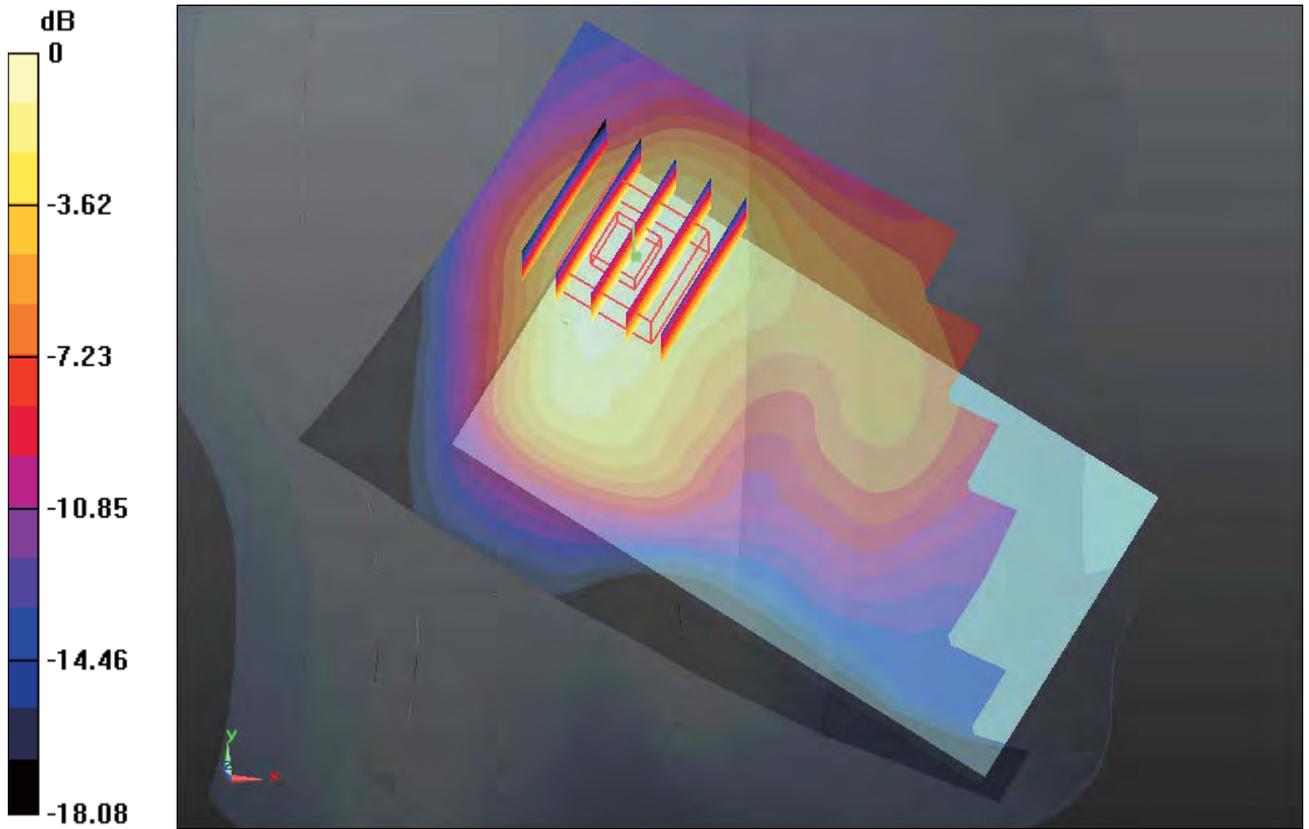
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.203 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.486 W/kg

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.327 mW/g



0 dB = 0.330mW/g

#11 CDMA2000 BC15_RC3 SO55_Right Cheek_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120803 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.387 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.052 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.509 W/kg

SAR(1 g) = 0.348 mW/g; SAR(10 g) = 0.224 mW/g

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

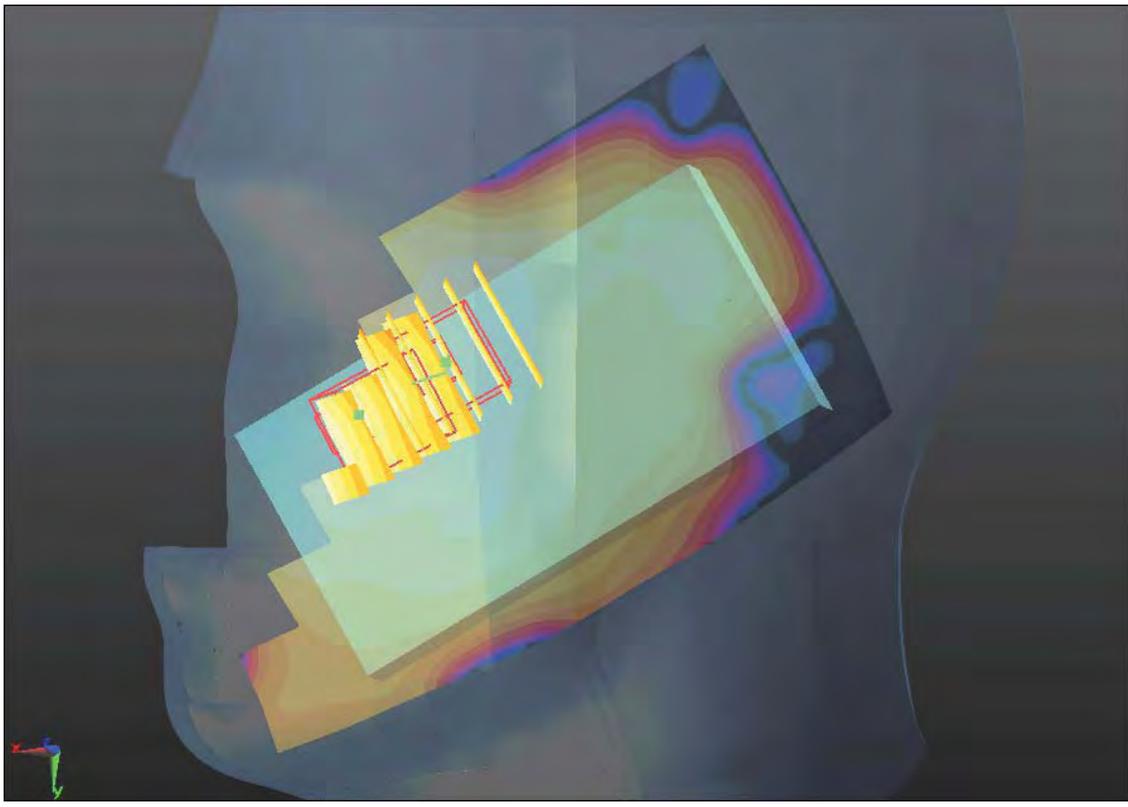
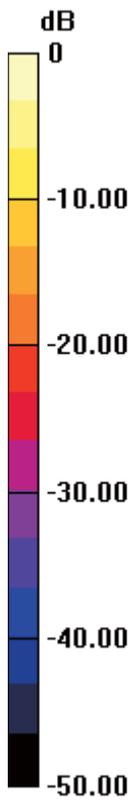
Ch425/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.052 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.501 W/kg

SAR(1 g) = 0.323 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.370 mW/g



0 dB = 0.370mW/g

#204 CDMA2000 BC15_RC3 SO55_Right Cheek_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120811 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.381$ mho/m; $\epsilon_r =$

41.463; $\rho = 1000$ 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: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.065 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.116 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.085 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.039 mW/g

Maximum value of SAR (measured) = 0.067 mW/g

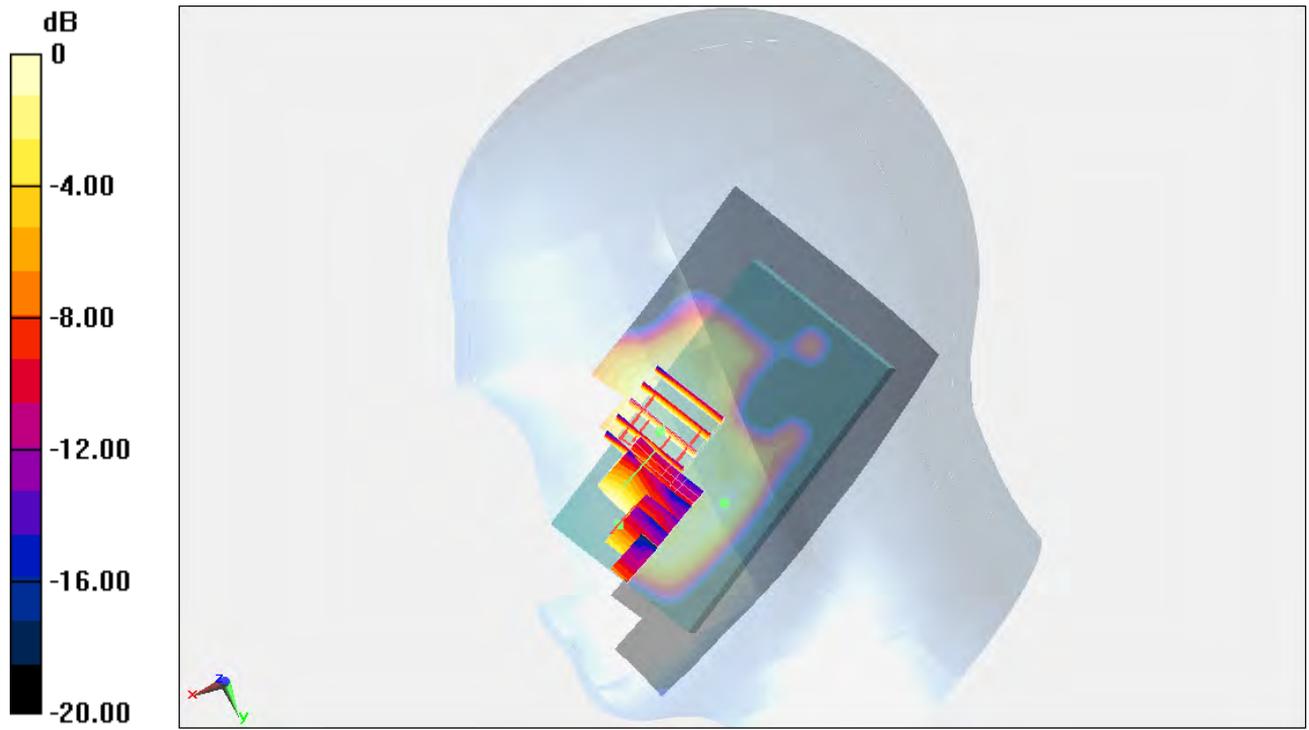
Ch425/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.116 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.086 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.064 mW/g



0 dB = 0.060mW/g

#77 CDMA2000 BC15_RC3 SO55_2.5cm_Right Cheek-SAR in mouth area_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120803 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r =$

40.927 ; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

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

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.280 mW/g

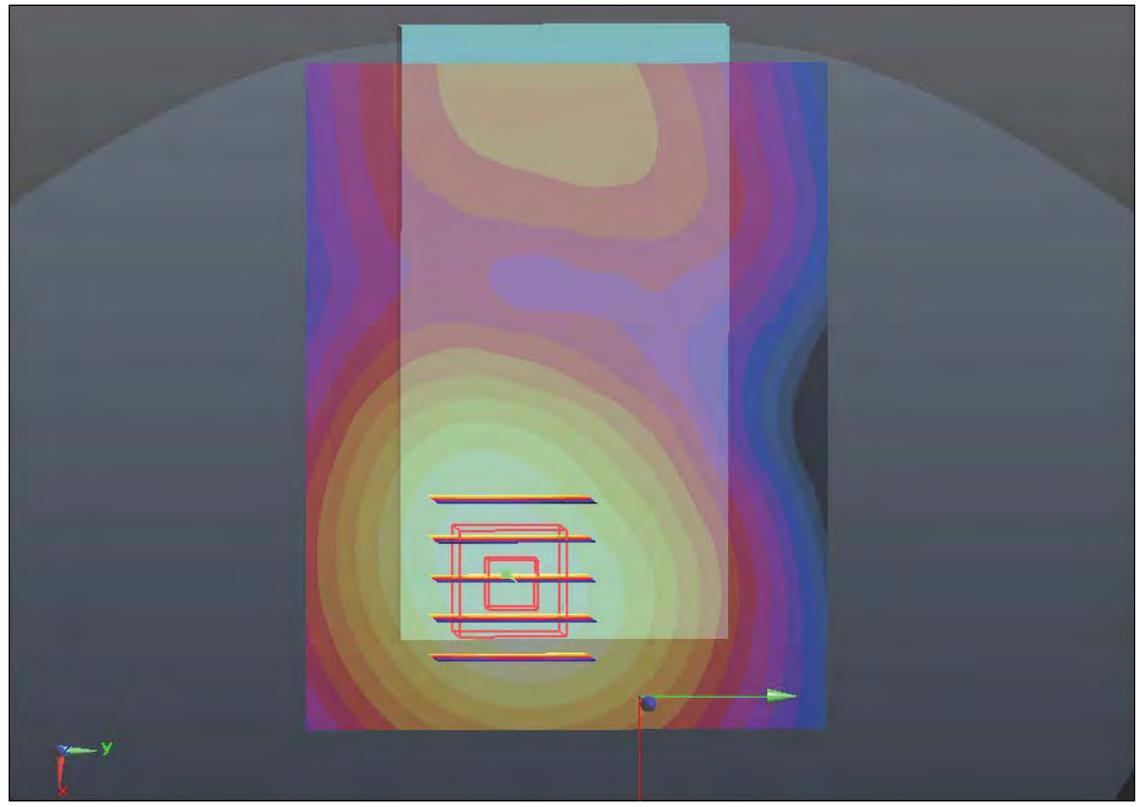
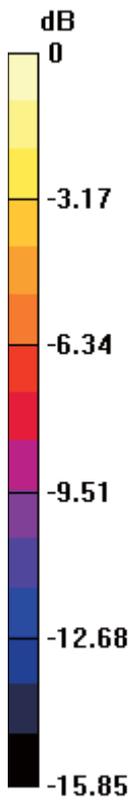
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.164 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.407 W/kg

SAR(1 g) = 0.258 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 0.278 mW/g



0 dB = 0.280mW/g

#235 CDMA2000 BC15_RC3 SO55_2.5cm_Right Cheek-SAR in mouth area_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120811 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.381$ mho/m; $\epsilon_r =$

41.463; $\rho = 1000$ 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: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.048 mW/g

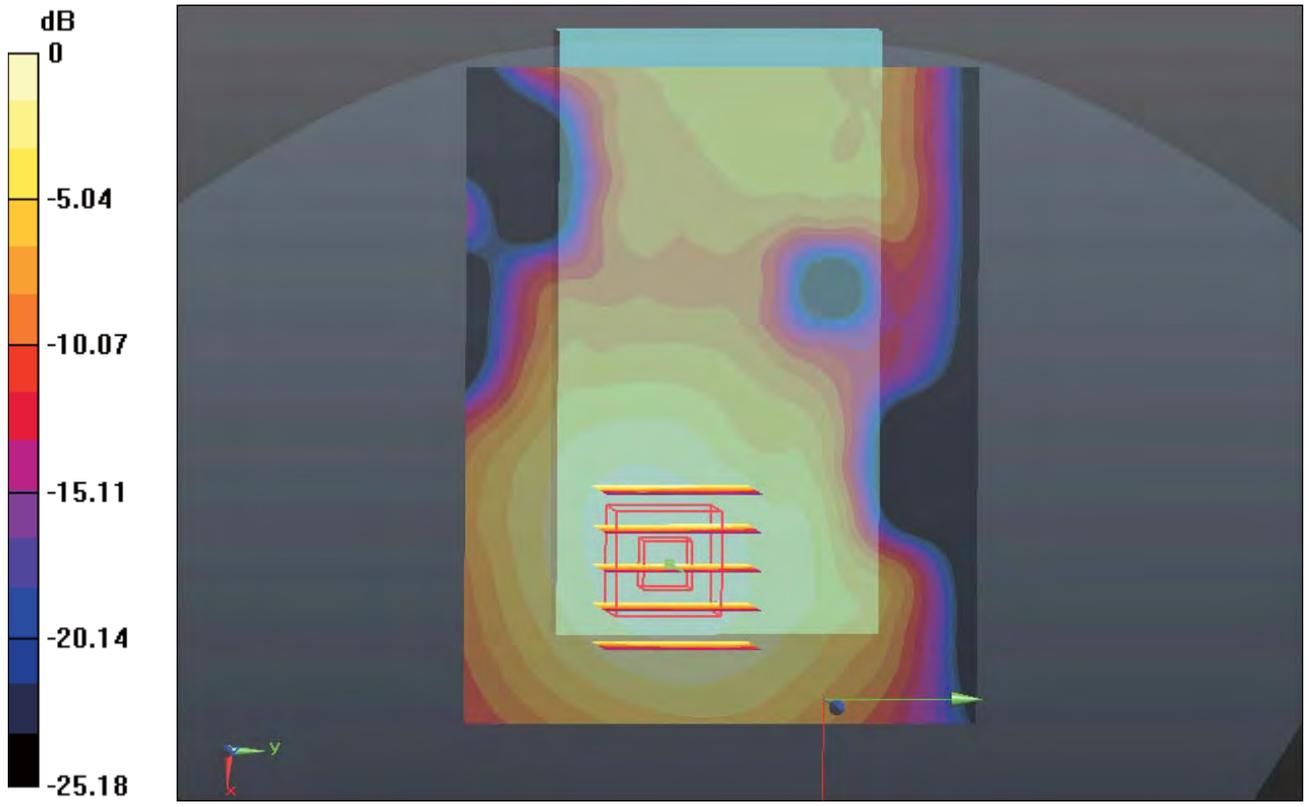
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.545 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.073 W/kg

SAR(1 g) = 0.046 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.049 mW/g



0 dB = 0.050mW/g

#12 CDMA2000 BC15_RC3 SO55_Right Tilted_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120803 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.202 mW/g

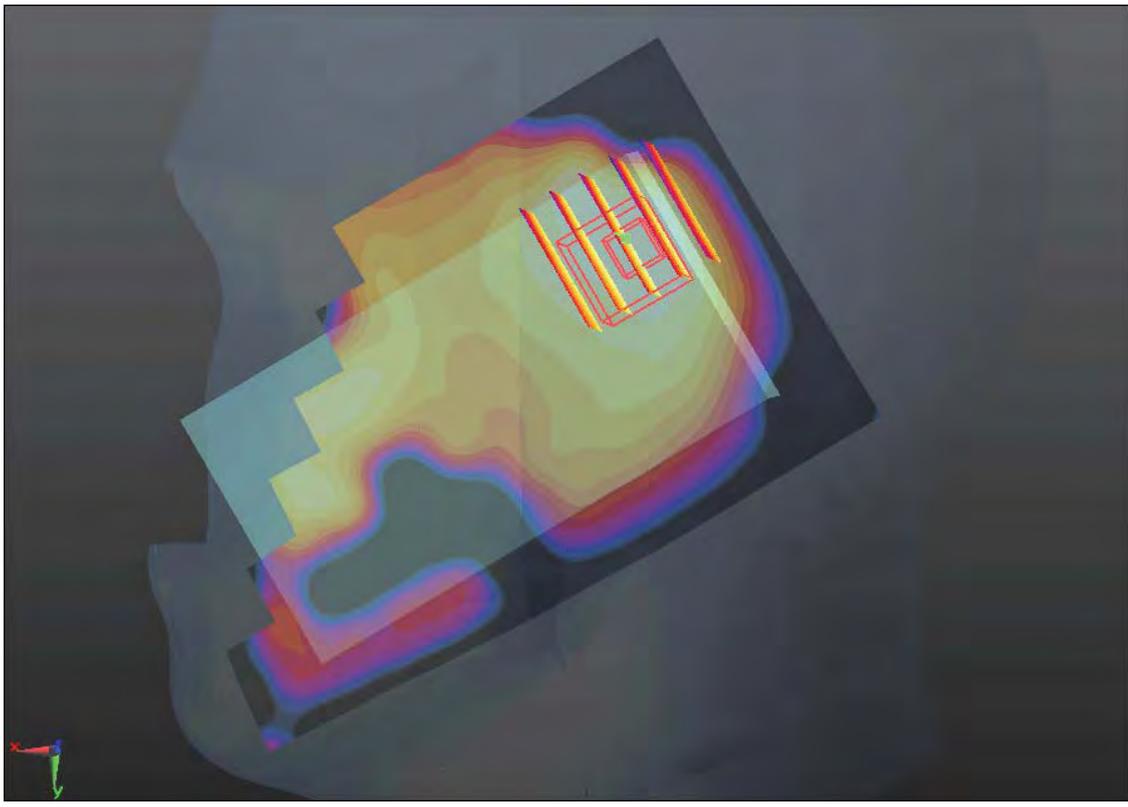
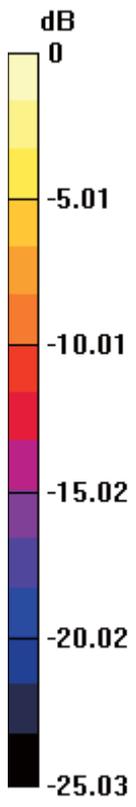
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.721 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.233 W/kg

SAR(1 g) = 0.143 mW/g; SAR(10 g) = 0.085 mW/g

Maximum value of SAR (measured) = 0.156 mW/g



0 dB = 0.160mW/g

#13 CDMA2000 BC15_RC3 SO55_Left Cheek_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120803 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.547 mW/g

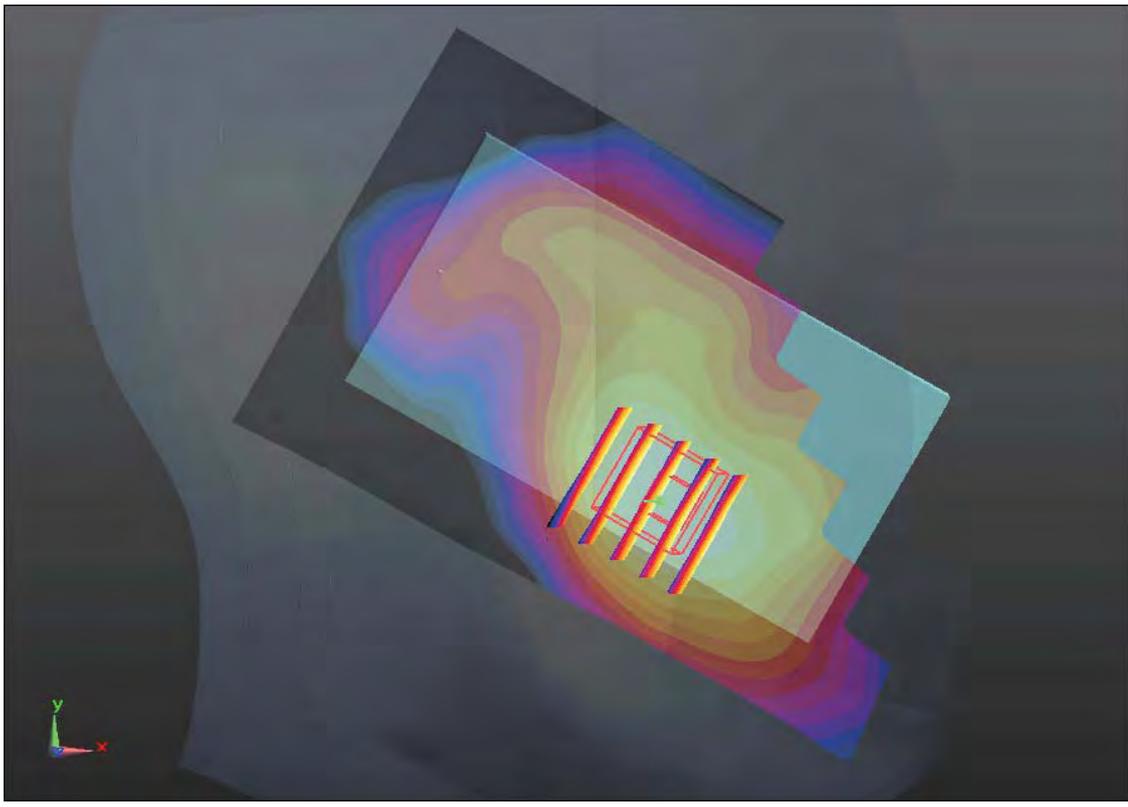
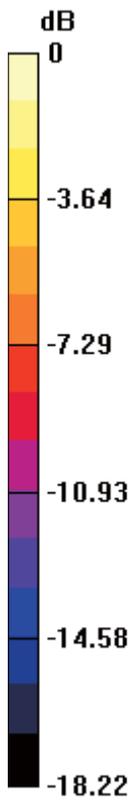
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.430 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.515 mW/g



0 dB = 0.510mW/g

#13 CDMA2000 BC15_RC3 SO55_Left Cheek_Ch425_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120803 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.547 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

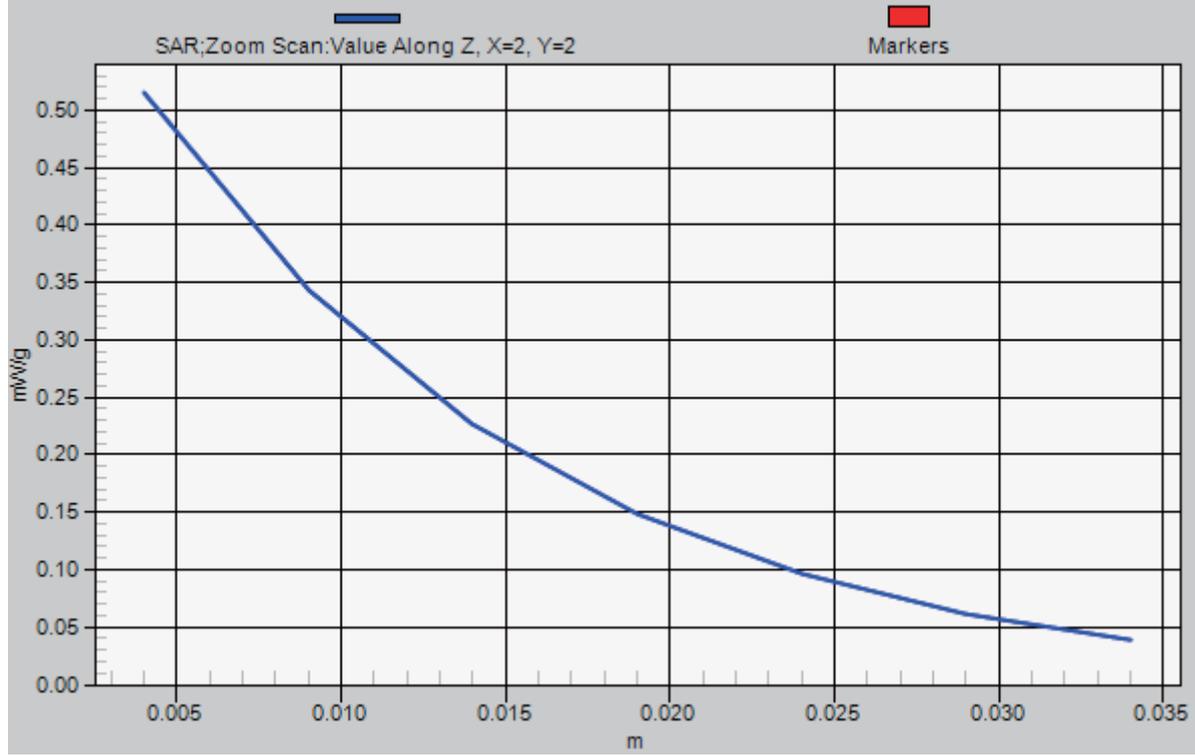
Reference Value = 7.430 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.737 W/kg

SAR(1 g) = 0.481 mW/g; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.515 mW/g

1g/10g Averaged SAR



#14 CDMA2000 BC15_RC3 SO55_Left Tilted_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120803 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r =$

40.927; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.215 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.594 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.187 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.203 mW/g

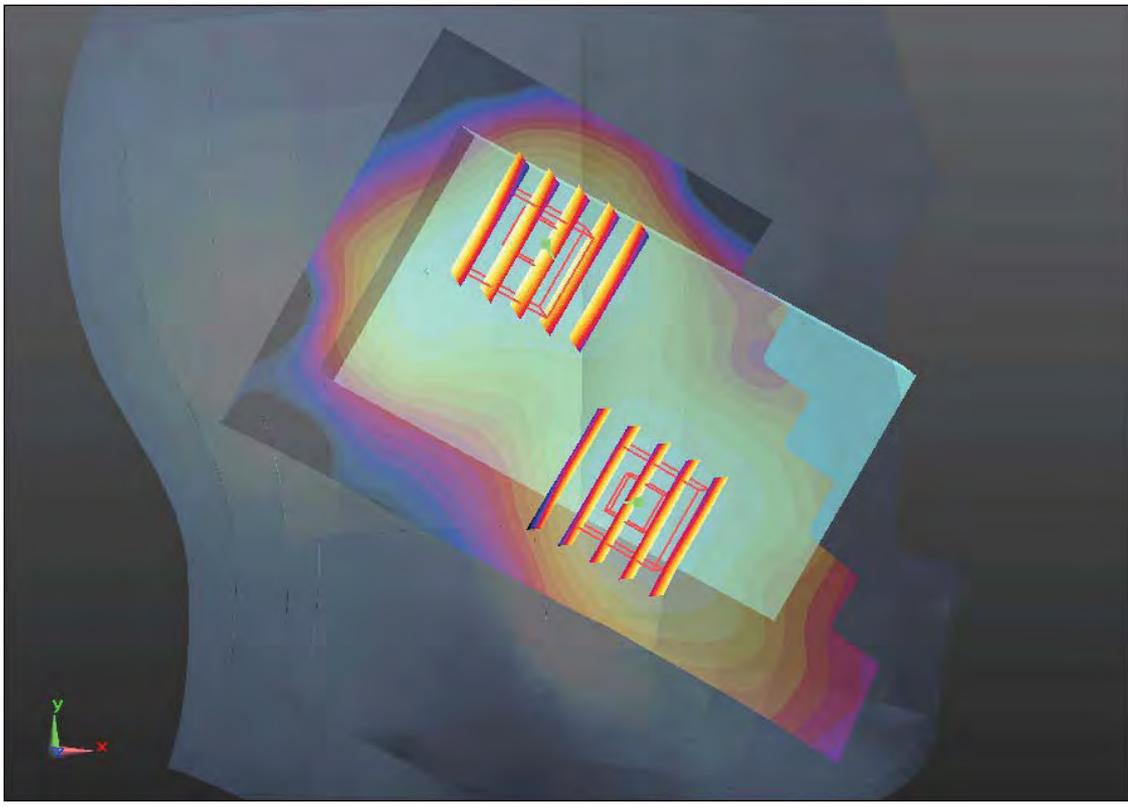
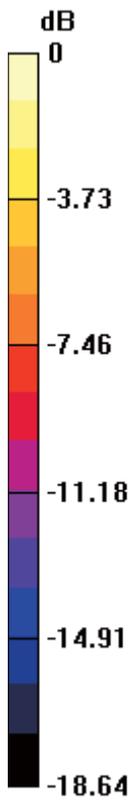
Ch425/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.594 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.197 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.142 mW/g



0 dB = 0.140mW/g

#21 CDMA2000 BC15_RTAP 153.6_Right Cheek_Ch875

DUT: 271302

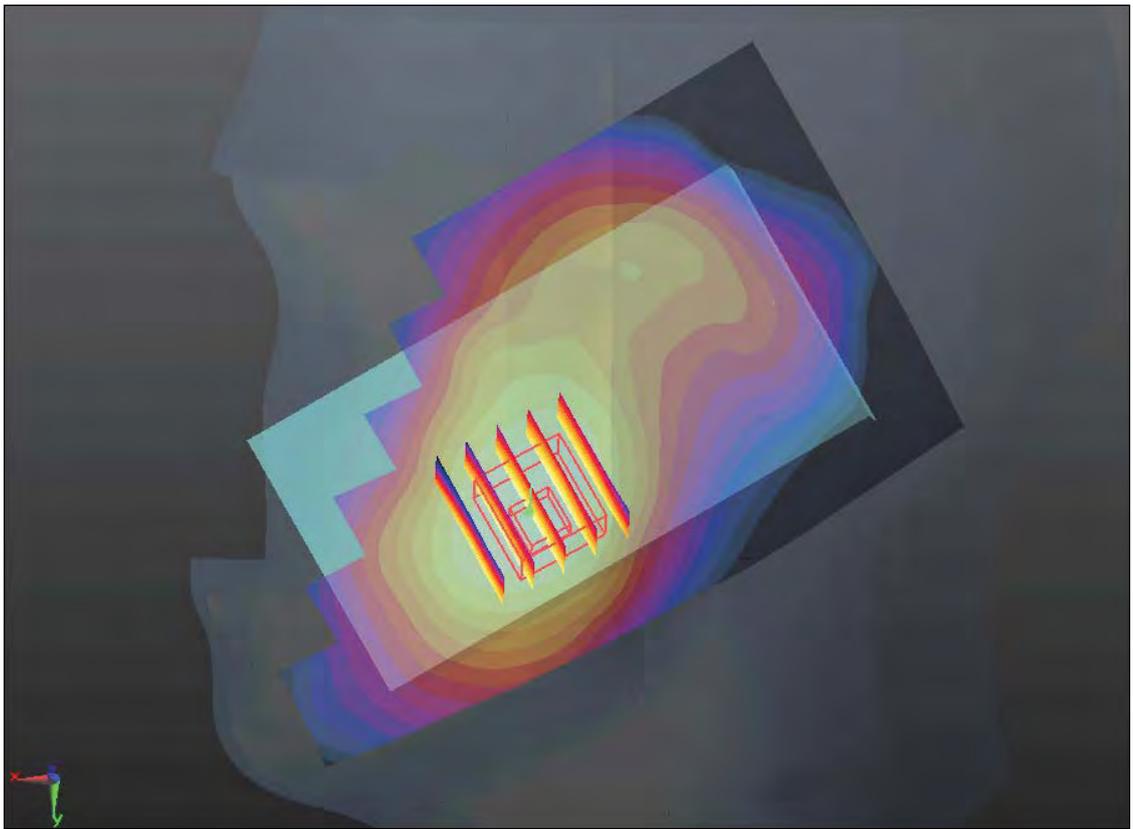
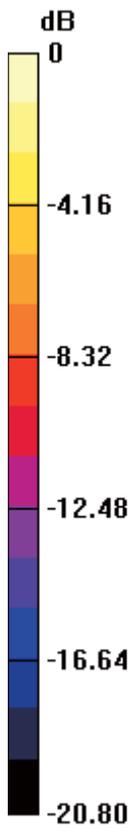
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: HSL_1750_120728 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.388$ mho/m; $\epsilon_r = 40.85$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.276 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.884 V/m; Power Drift = 0.01 dB
Peak SAR (extrapolated) = 1.697 W/kg
SAR(1 g) = 1.11 mW/g; SAR(10 g) = 0.688 mW/g
Maximum value of SAR (measured) = 1.179 mW/g



0 dB = 1.180mW/g

#25 CDMA2000 BC15_RTAP 153.6_Right Cheek_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1711.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120728 Medium parameters used: $f = 1711.25$ MHz; $\sigma = 1.347$ mho/m; $\epsilon_r = 40.99$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.161 mW/g

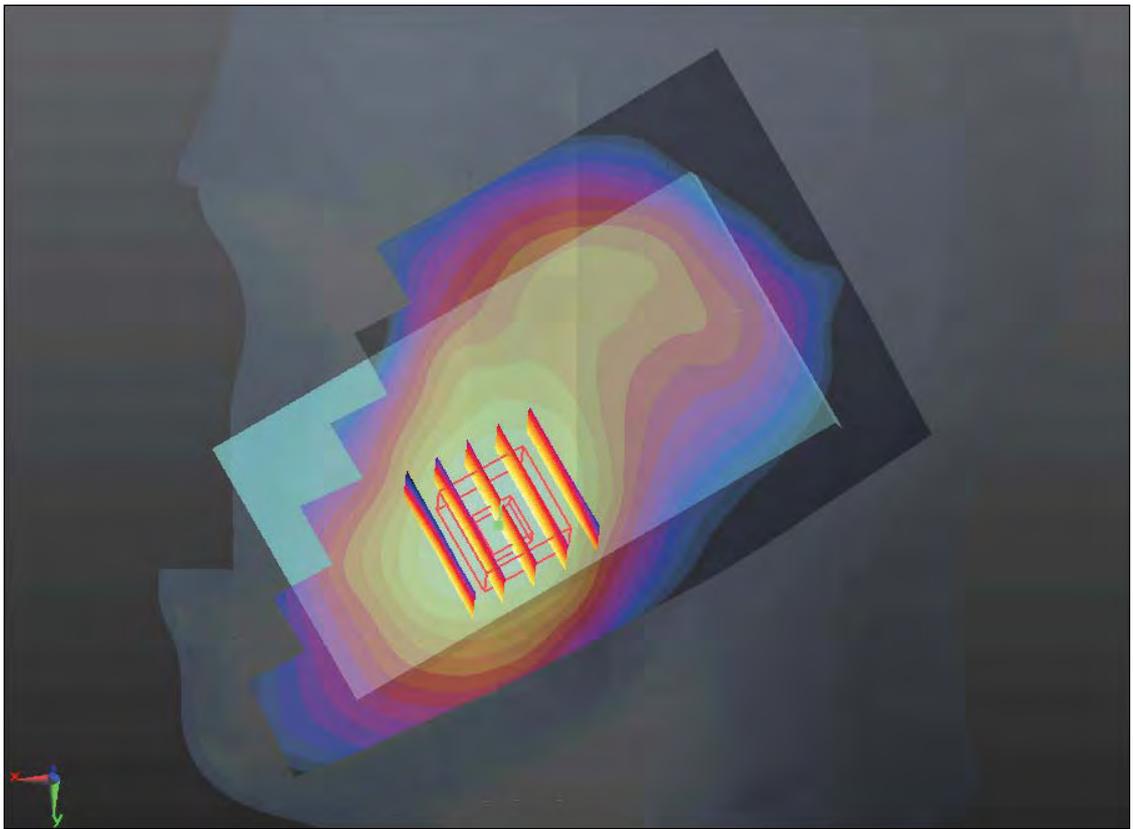
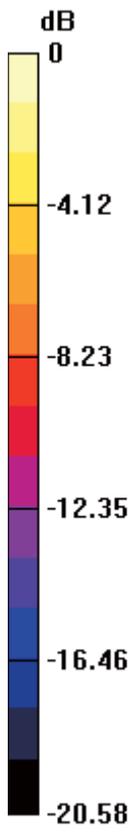
Configuration/Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.539 V/m; Power Drift = 0.0085 dB

Peak SAR (extrapolated) = 1.530 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.631 mW/g

Maximum value of SAR (measured) = 1.101 mW/g



0 dB = 1.100mW/g

#26 CDMA2000 BC15_RTAP 153.6_Right Cheek_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120728 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.321 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.683 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.691 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.694 mW/g

Maximum value of SAR (measured) = 1.192 mW/g



0 dB = 1.190mW/g

#26 CDMA2000 BC15_RTAP 153.6_Right Cheek_Ch425_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: HSL_1750_120728 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.367$ mho/m; $\epsilon_r = 40.927$; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.321 mW/g

Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

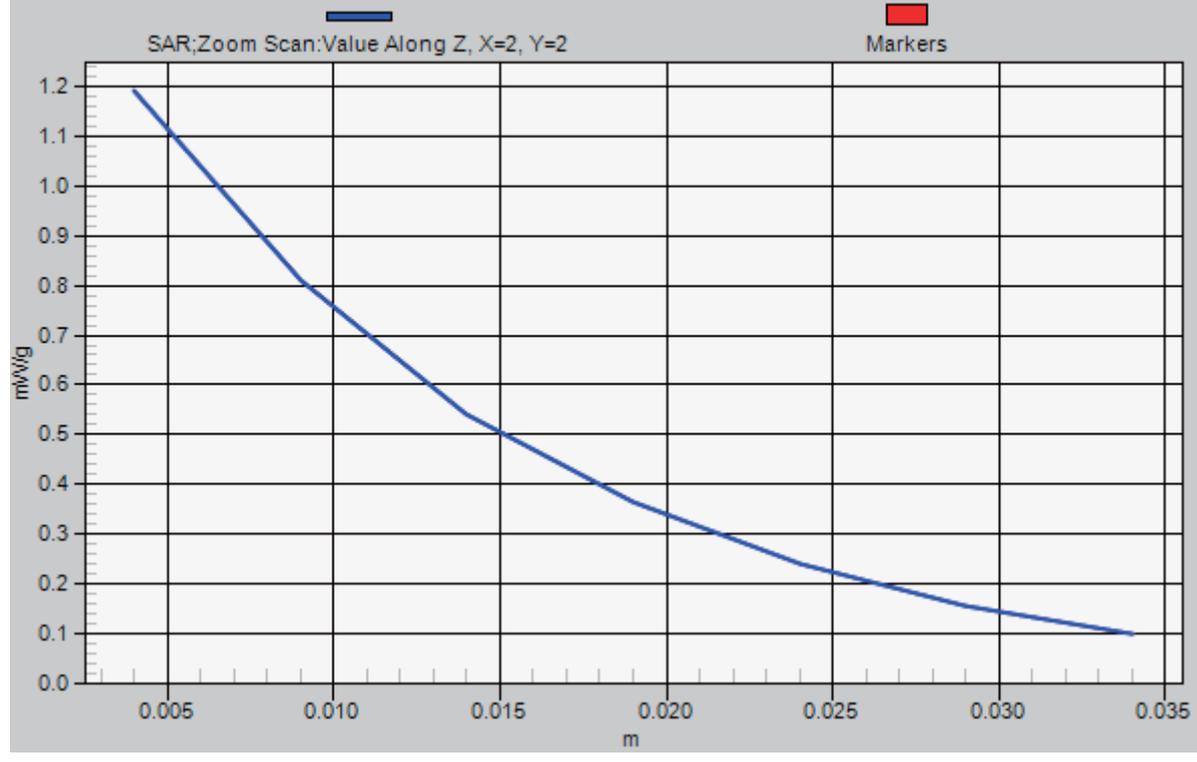
Reference Value = 11.683 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.691 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.694 mW/g

Maximum value of SAR (measured) = 1.192 mW/g

1g/10g Averaged SAR



#206 CDMA2000 BC15_RTAP153.6_Right Cheek_Ch875

DUT: 271302

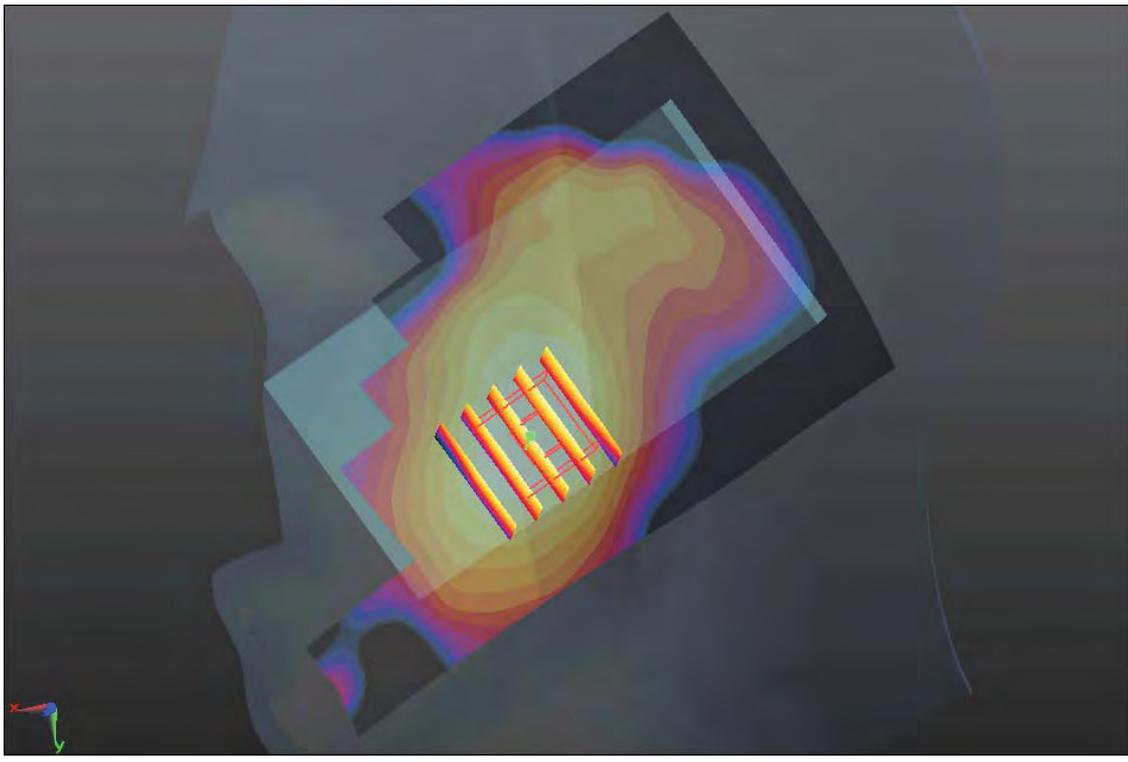
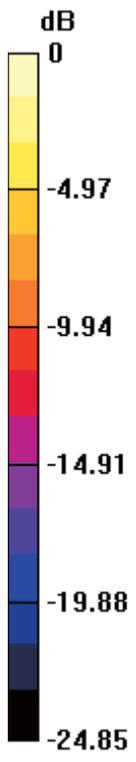
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: HSL_1750_120811 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.409$ mho/m; $\epsilon_r = 41.399$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.207 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.423 V/m; Power Drift = -0.06 dB
Peak SAR (extrapolated) = 0.270 W/kg
SAR(1 g) = 0.176 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.191 mW/g



0 dB = 0.190mW/g

#22 CDMA2000 BC15_RTAP 153.6_Right Tilted_Ch875

DUT: 271302

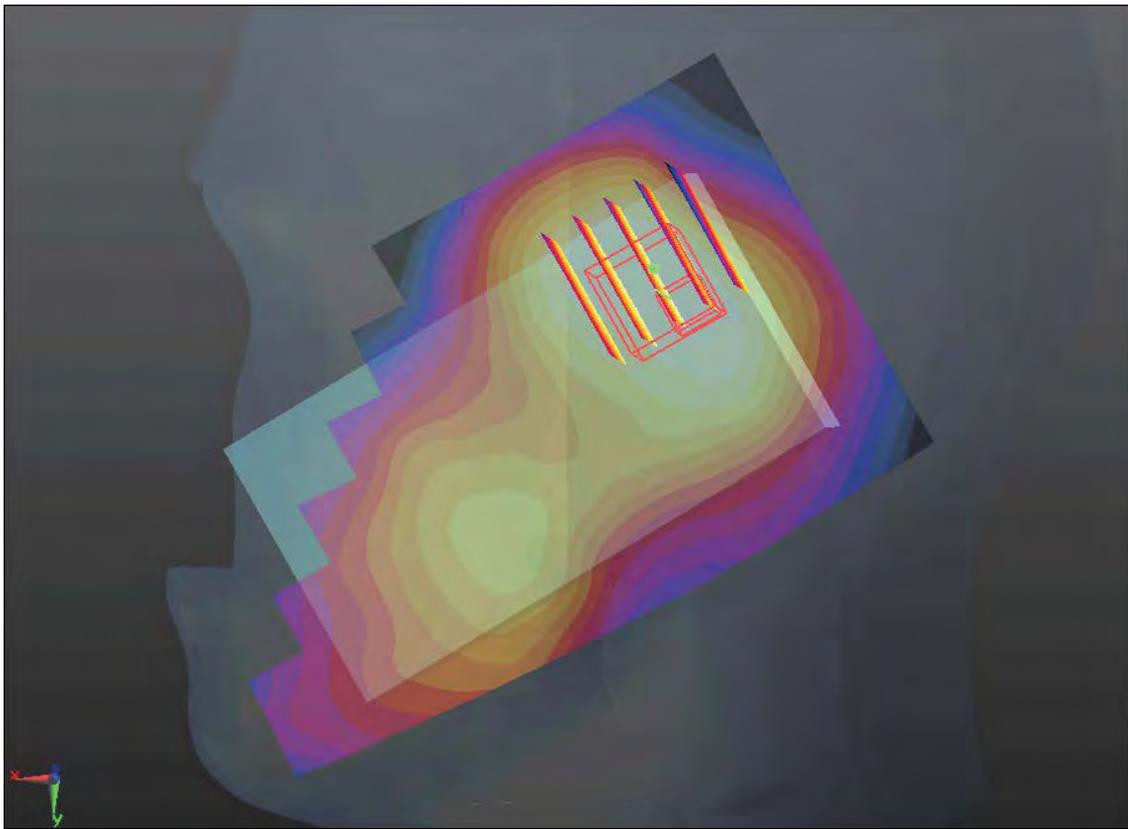
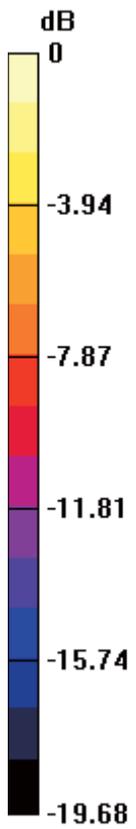
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: HSL_1750_120728 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.388$ mho/m; $\epsilon_r = 40.85$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.528 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 17.679 V/m; Power Drift = 0.03 dB
Peak SAR (extrapolated) = 0.652 W/kg
SAR(1 g) = 0.422 mW/g; SAR(10 g) = 0.266 mW/g
Maximum value of SAR (measured) = 0.445 mW/g



0 dB = 0.450mW/g

#23 CDMA2000 BC15_RTAP 153.6_Left Cheek_Ch875

DUT: 271302

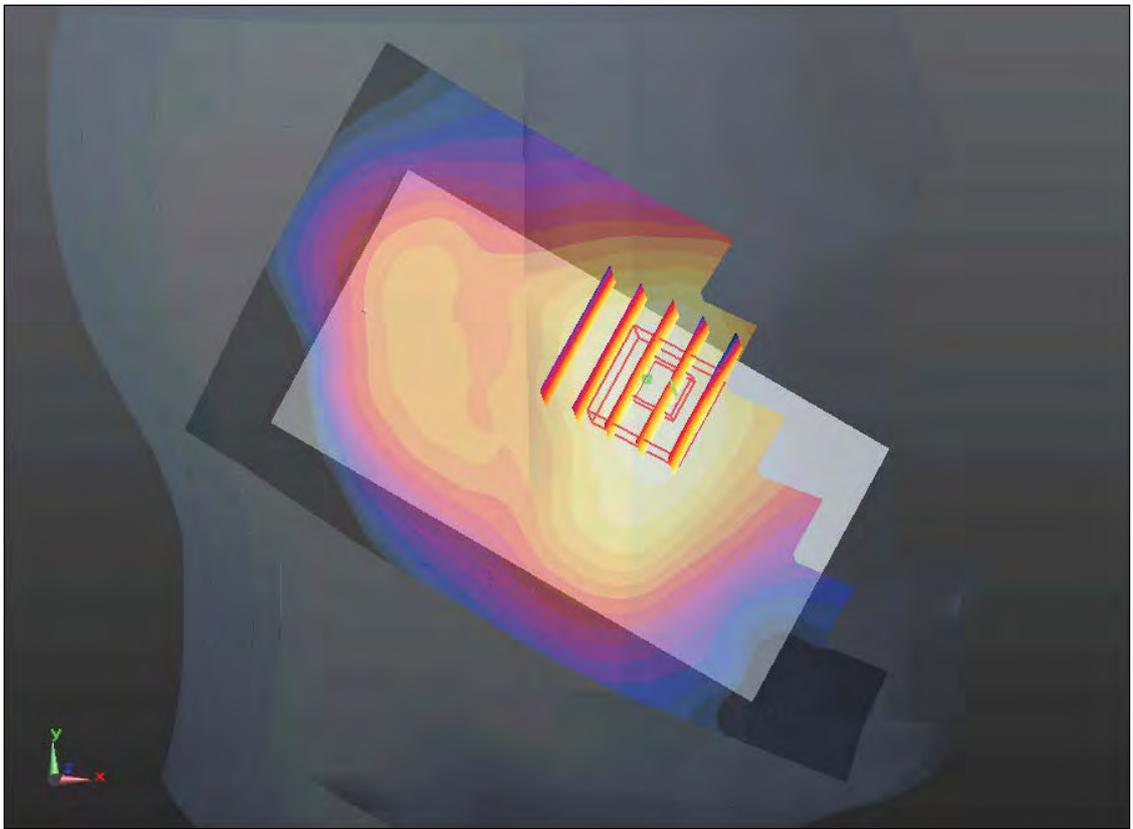
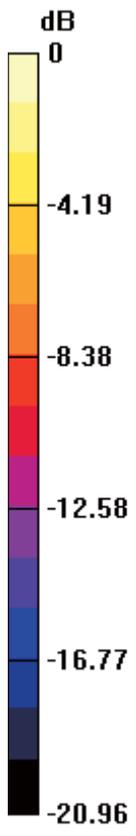
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: HSL_1750_120728 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.388$ mho/m; $\epsilon_r = 40.85$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.636 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.810 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.890 W/kg
SAR(1 g) = 0.614 mW/g; SAR(10 g) = 0.392 mW/g
Maximum value of SAR (measured) = 0.642 mW/g



0 dB = 0.640mW/g

#211 CDMA2000 BC15_RTAP153.6_Left Check_Ch875

DUT: 271302

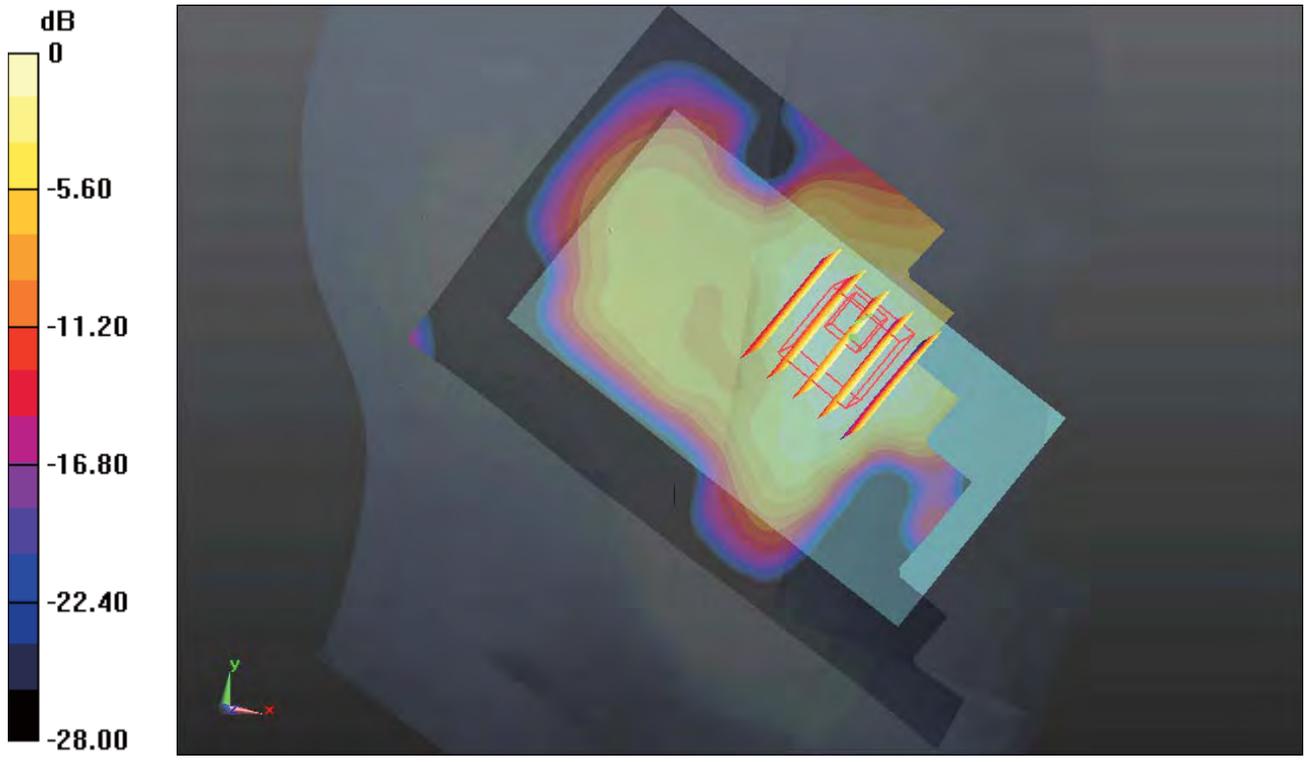
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: HSL_1750_120811 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.409$ mho/m; $\epsilon_r = 41.399$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.122 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.321 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.159 W/kg
SAR(1 g) = 0.104 mW/g; SAR(10 g) = 0.063 mW/g
Maximum value of SAR (measured) = 0.113 mW/g



0 dB = 0.110mW/g

#24 CDMA2000 BC15_RTAP 153.6_Left Tilted_Ch875

DUT: 271302

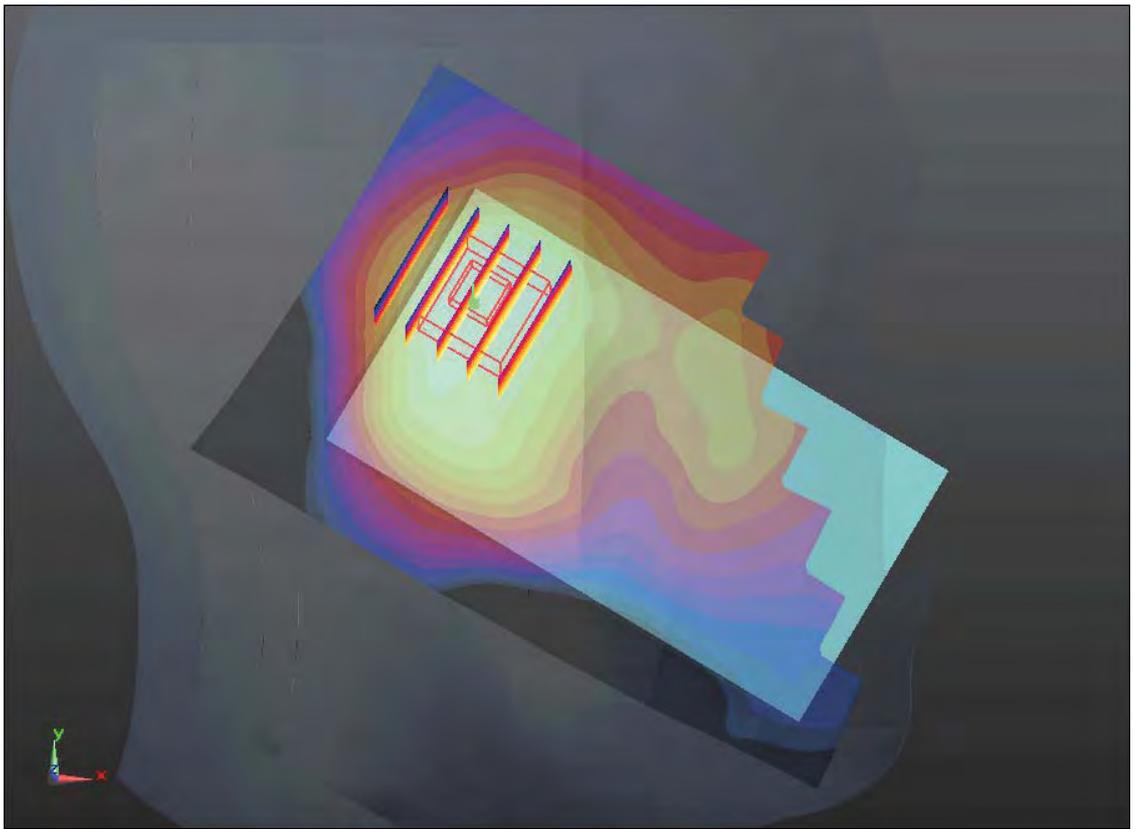
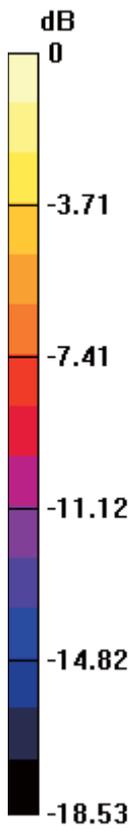
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: HSL_1750_120728 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.388$ mho/m; $\epsilon_r = 40.85$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.441 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.181 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 0.592 W/kg
SAR(1 g) = 0.373 mW/g; SAR(10 g) = 0.227 mW/g
Maximum value of SAR (measured) = 0.401 mW/g



0 dB = 0.400mW/g

#27 LTE Band 2_QPSK(50 25)_Right Cheek_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.901 mW/g

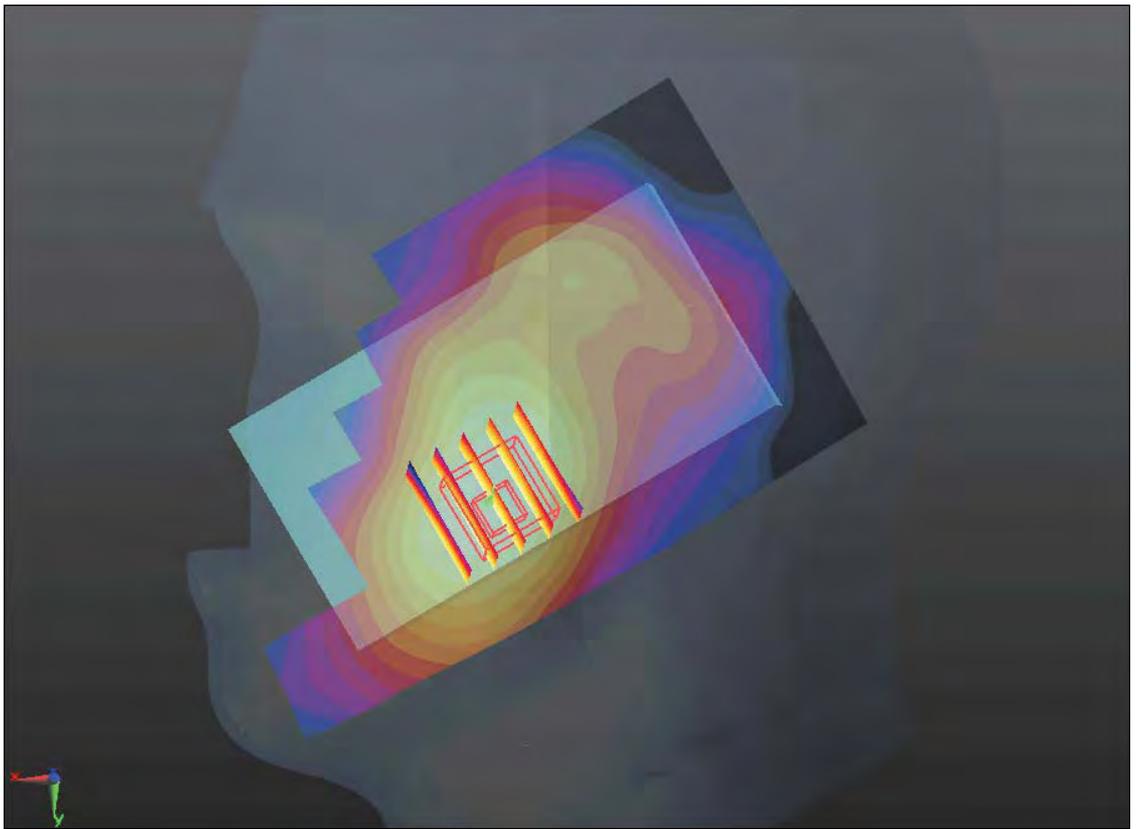
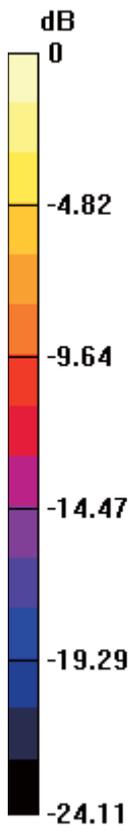
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.667 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.195 W/kg

SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.816 mW/g



0 dB = 0.820mW/g

#27 LTE Band 2_QPSK(50 25)_Right Cheek_20M_Ch18900_2D

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.901 mW/g

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

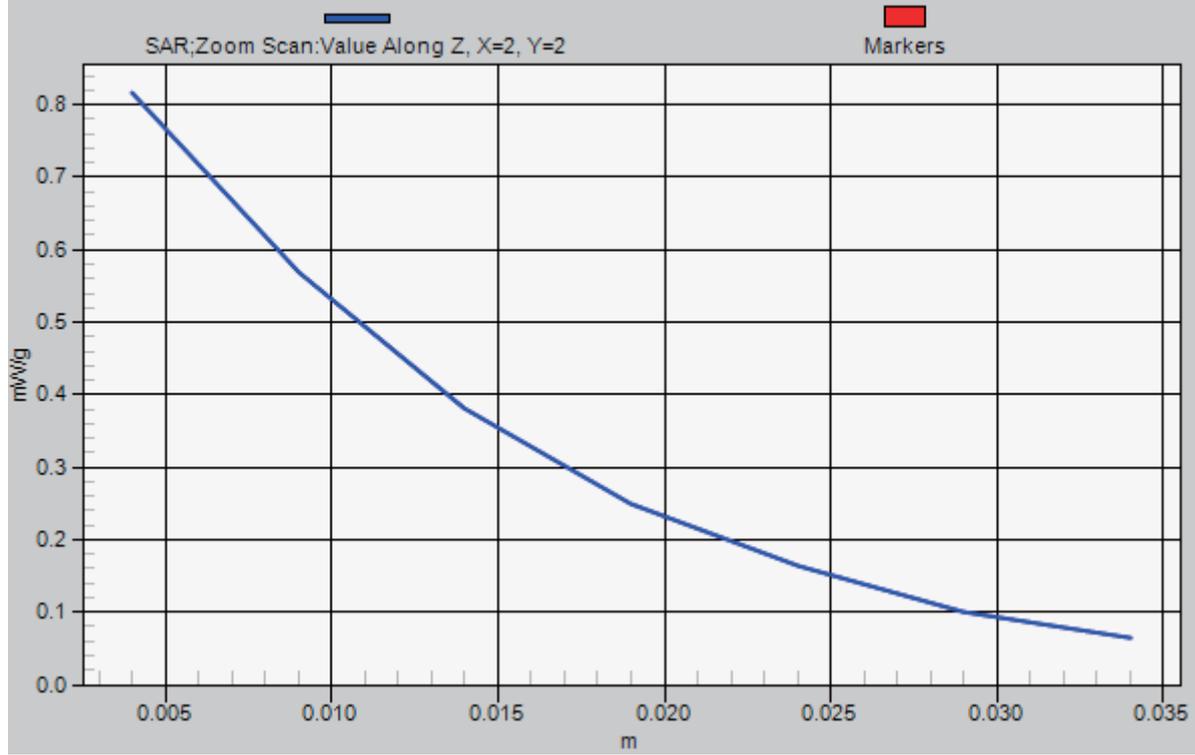
Reference Value = 8.667 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.195 W/kg

SAR(1 g) = 0.773 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.816 mW/g

1g/10g Averaged SAR



#31 LTE Band 2_QPSK(1 0)_Right Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.095 mW/g

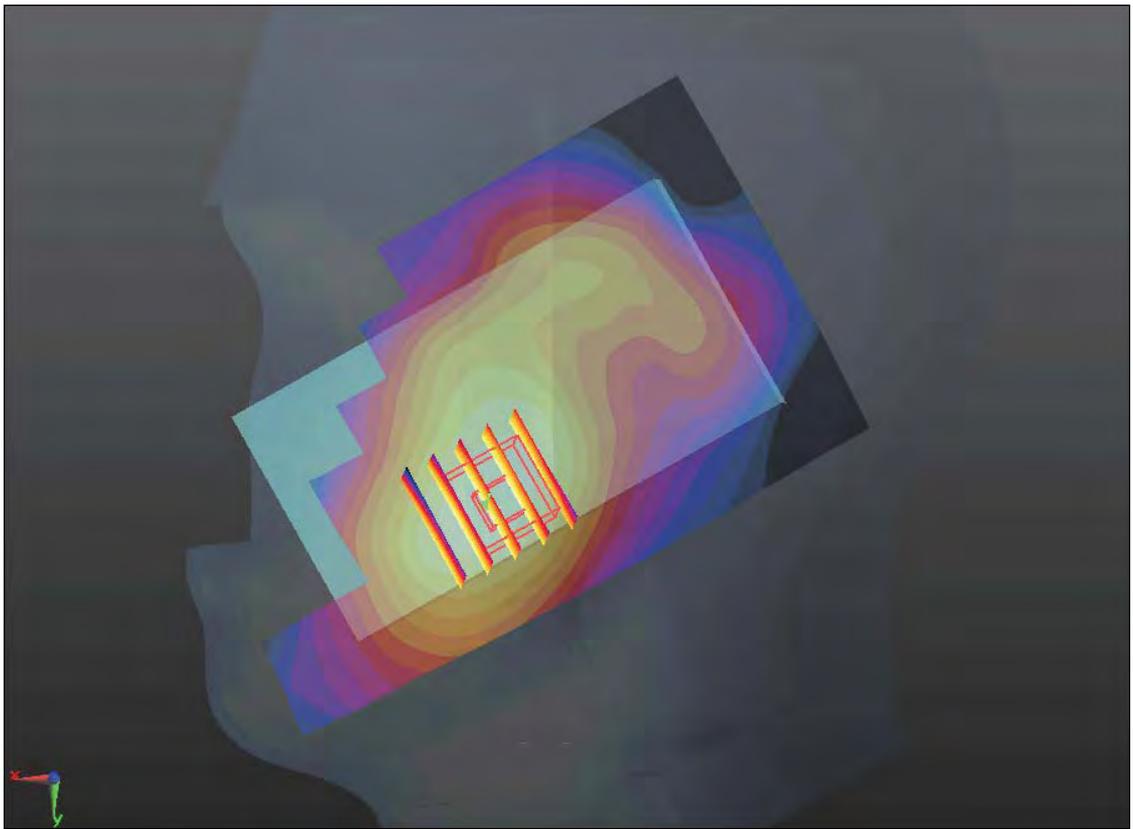
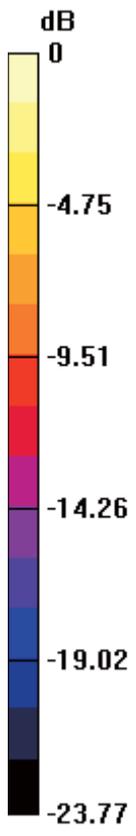
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.391 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.565 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.630 mW/g

Maximum value of SAR (measured) = 1.079 mW/g



0 dB = 1.080mW/g

#31 LTE Band 2_QPSK(1 0)_Right Check_20M_Ch18900_2D

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.095 mW/g

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

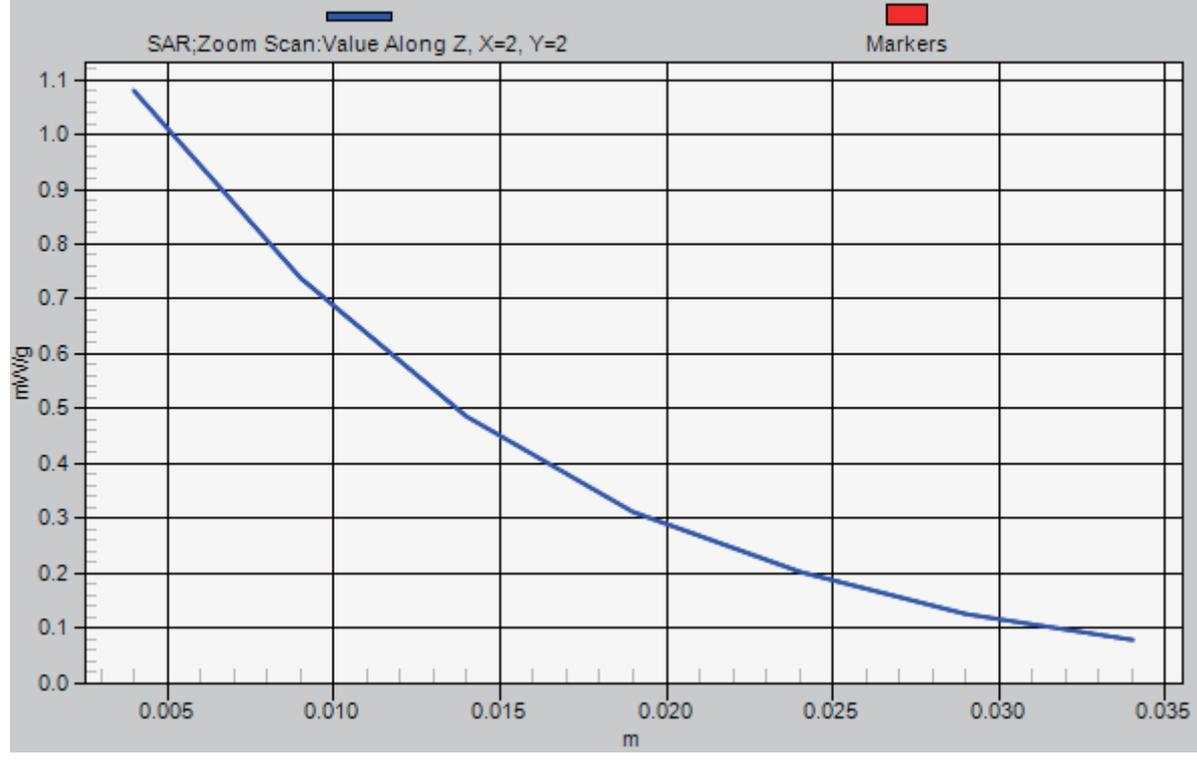
Reference Value = 10.391 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.565 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.630 mW/g

Maximum value of SAR (measured) = 1.079 mW/g

1g/10g Averaged SAR



#35 LTE Band 2_QPSK(1 99)_Right Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.128 mW/g

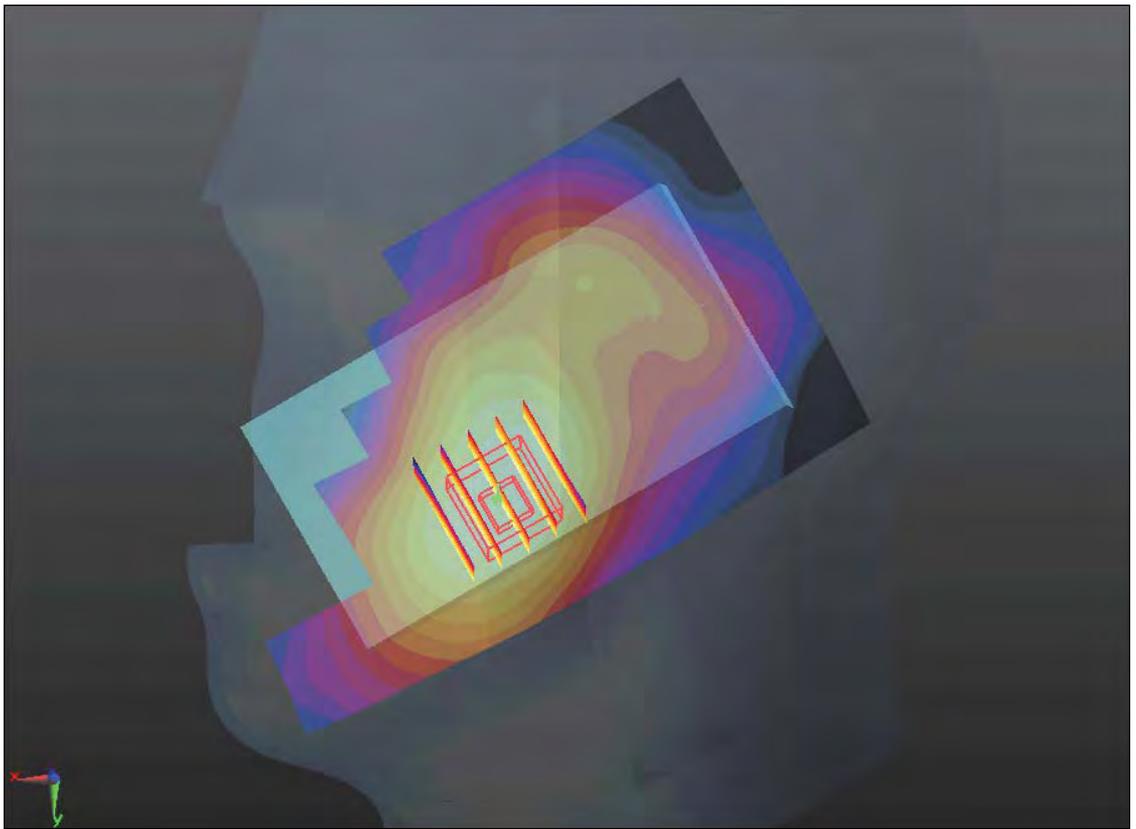
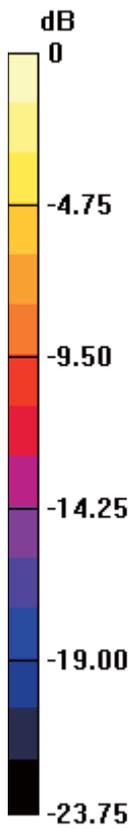
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.811 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.521 W/kg

SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.593 mW/g

Maximum value of SAR (measured) = 1.032 mW/g



0 dB = 1.030mW/g

#35 LTE Band 2_QPSK(1 99)_Right Check_20M_Ch18900_2D

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.128 mW/g

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

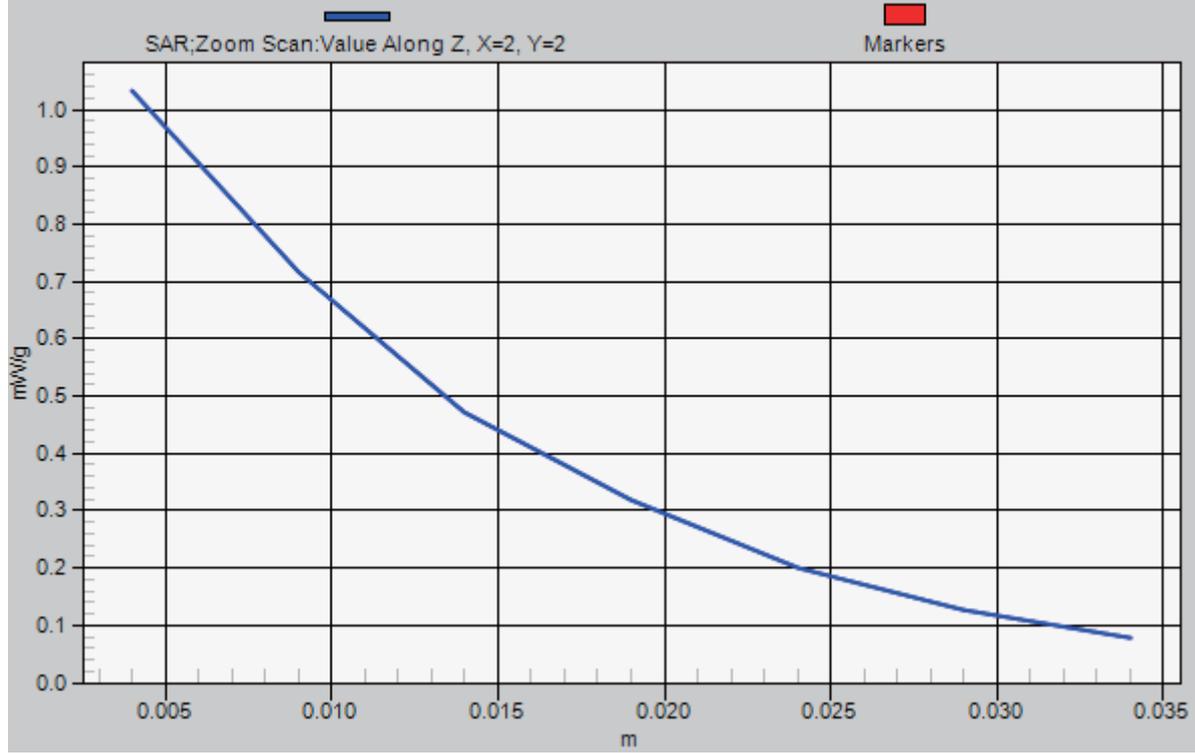
Reference Value = 9.811 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.521 W/kg

SAR(1 g) = 0.977 mW/g; SAR(10 g) = 0.593 mW/g

Maximum value of SAR (measured) = 1.032 mW/g

1g/10g Averaged SAR



#39 LTE Band 2_16QAM(50 25)_Right Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.678 mW/g

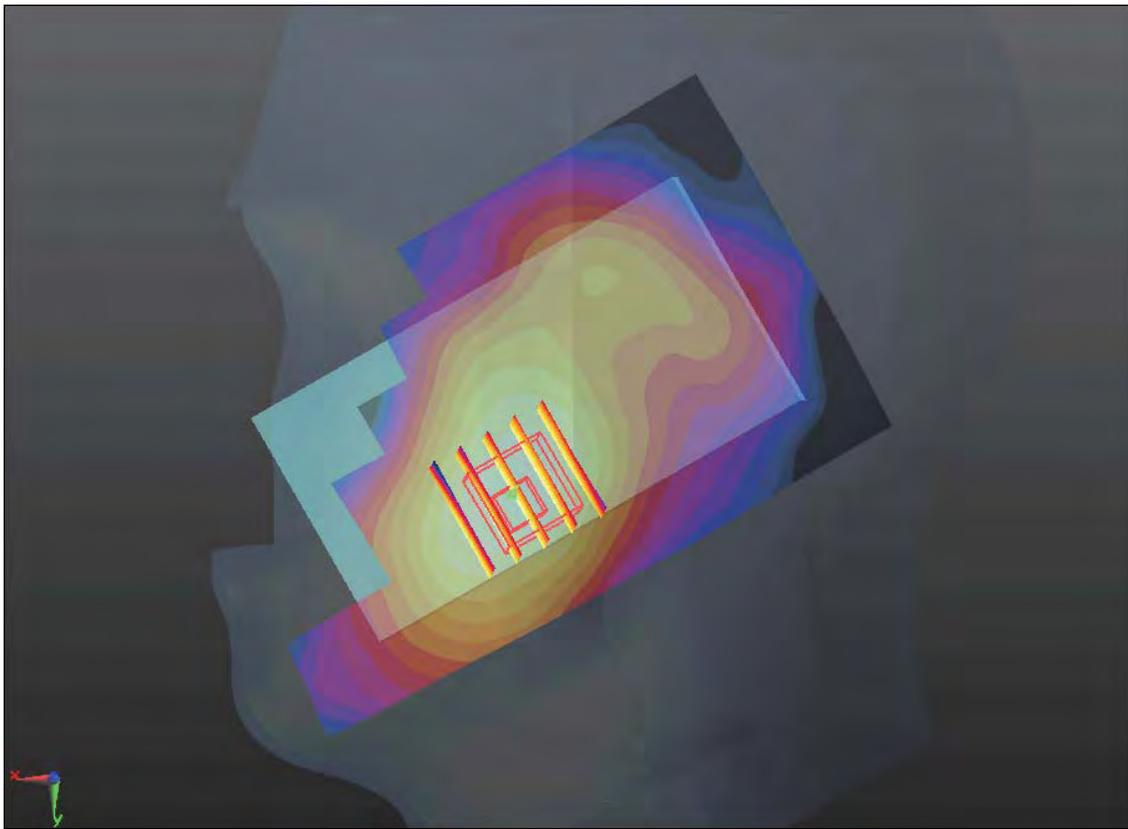
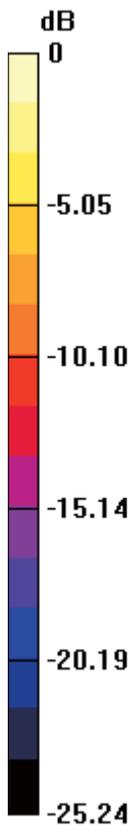
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.715 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.638 mW/g



0 dB = 0.640mW/g

#39 LTE Band 2_16QAM(50 25)_Right Check_20M_Ch18900_2D

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.678 mW/g

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

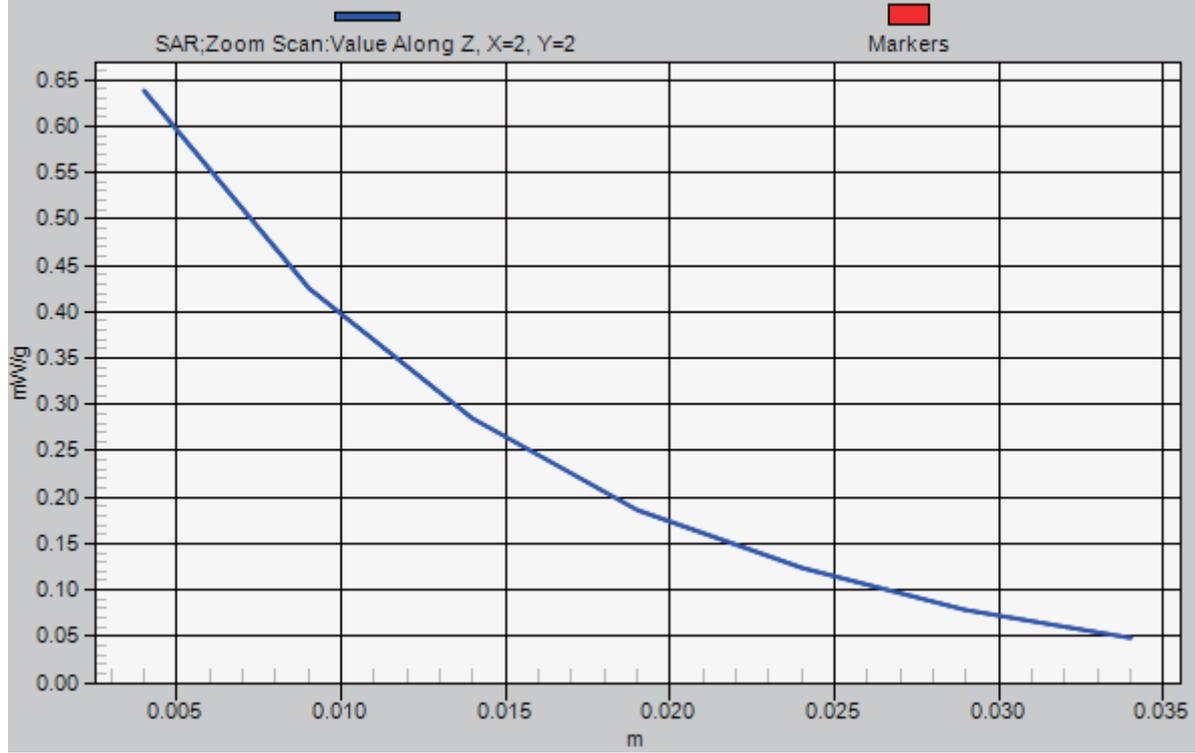
Reference Value = 7.715 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.934 W/kg

SAR(1 g) = 0.597 mW/g; SAR(10 g) = 0.360 mW/g

Maximum value of SAR (measured) = 0.638 mW/g

1g/10g Averaged SAR



#43 LTE Band 2_16QAM(1 0)_Right Check_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.987 mW/g

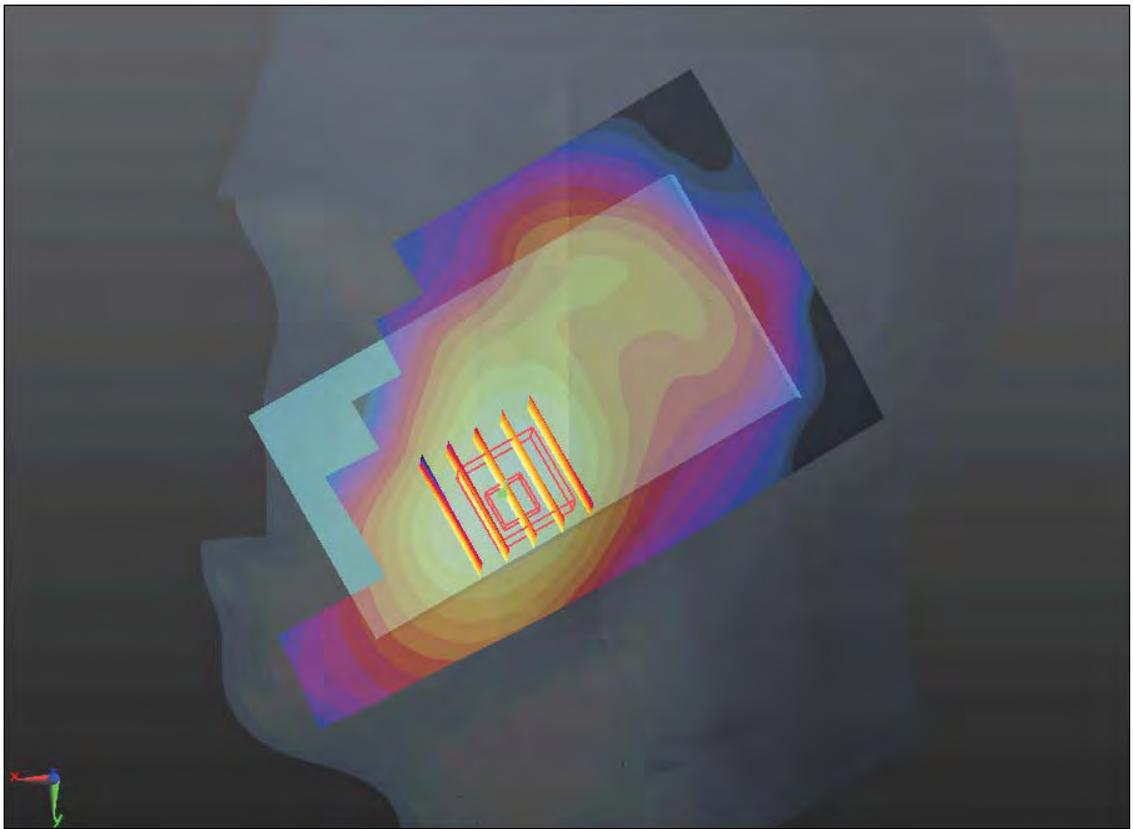
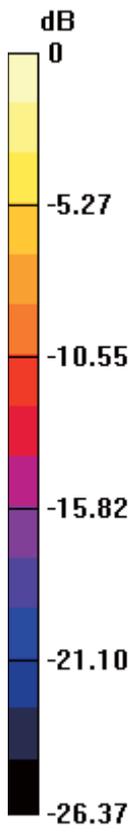
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.501 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.300 W/kg

SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (measured) = 0.884 mW/g



0 dB = 0.880mW/g

#43 LTE Band 2_16QAM(1 0)_Right Check_20M_Ch18700_2D

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.987 mW/g

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

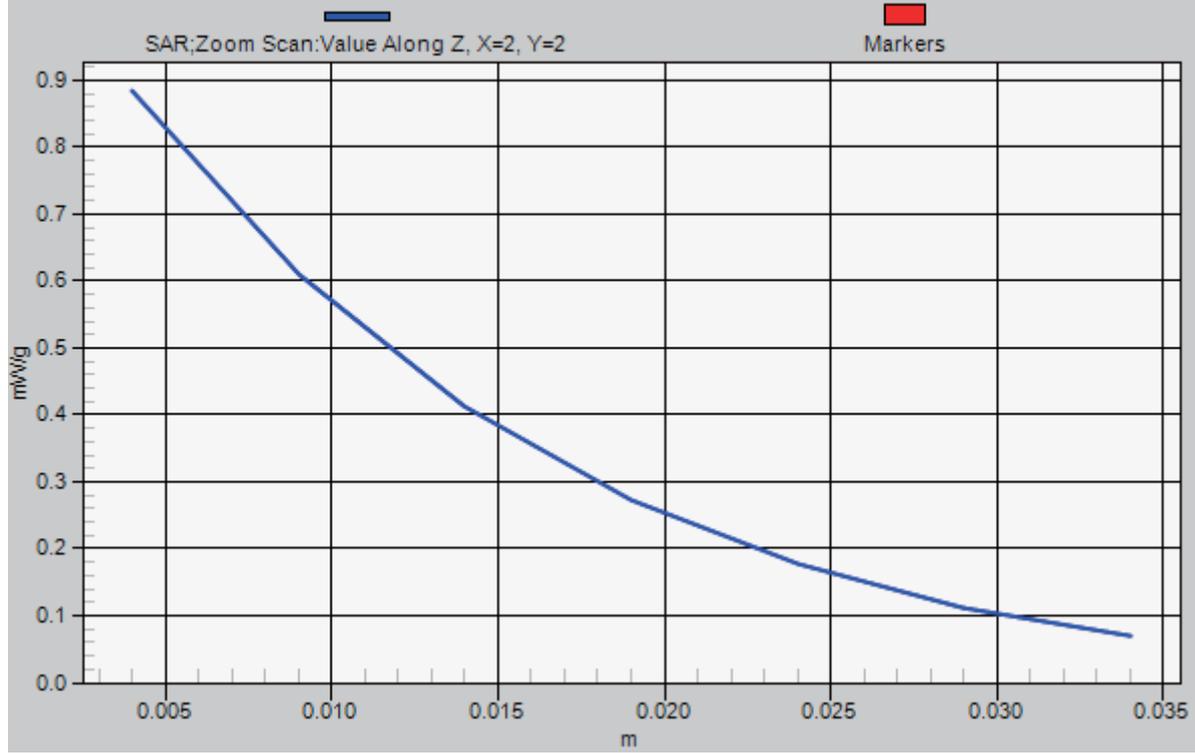
Reference Value = 9.501 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.300 W/kg

SAR(1 g) = 0.840 mW/g; SAR(10 g) = 0.511 mW/g

Maximum value of SAR (measured) = 0.884 mW/g

1g/10g Averaged SAR



#47 LTE Band 2_16QAM(1 99)_Right Check_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

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

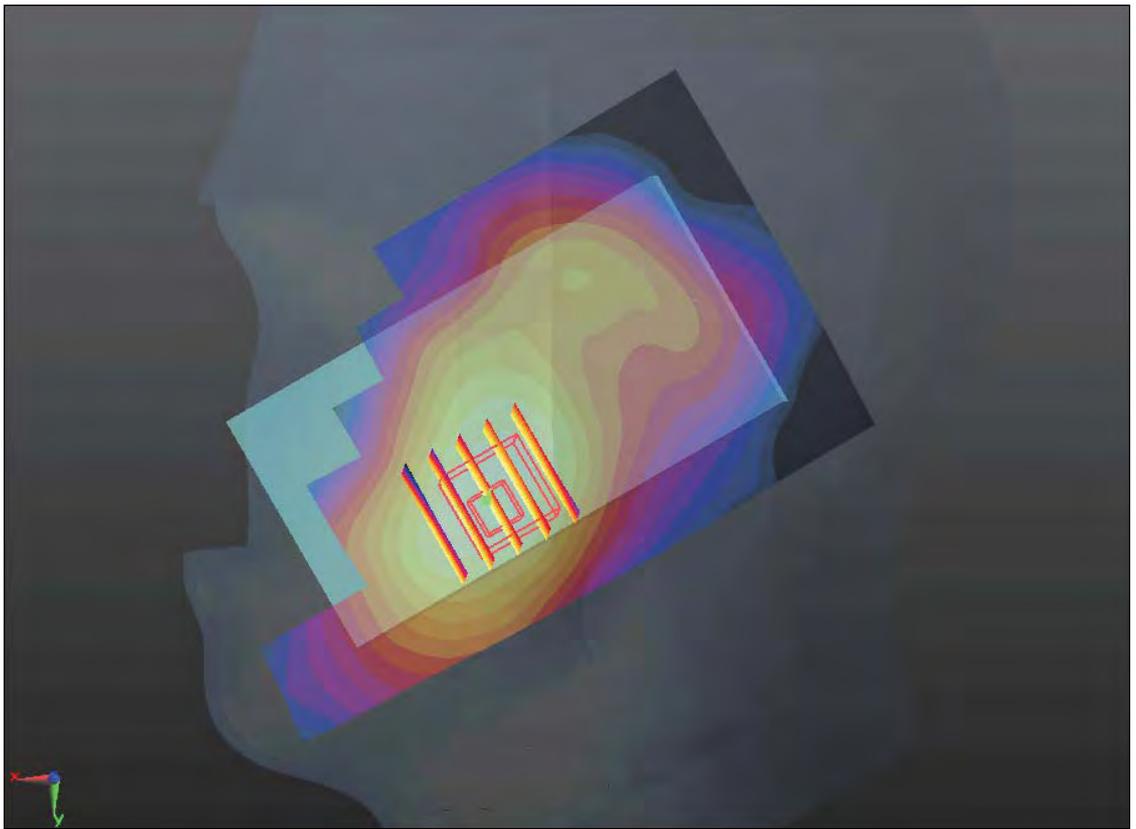
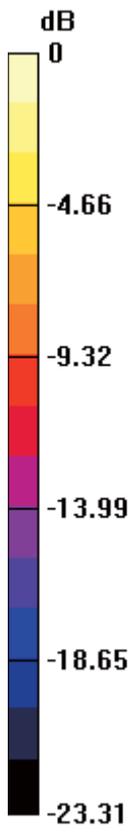
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.324 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.278 W/kg

SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.509 mW/g

Maximum value of SAR (measured) = 0.876 mW/g



0 dB = 0.880mW/g

#47 LTE Band 2_16QAM(1 99)_Right Check_20M_Ch18700_2D

DUT: 271302

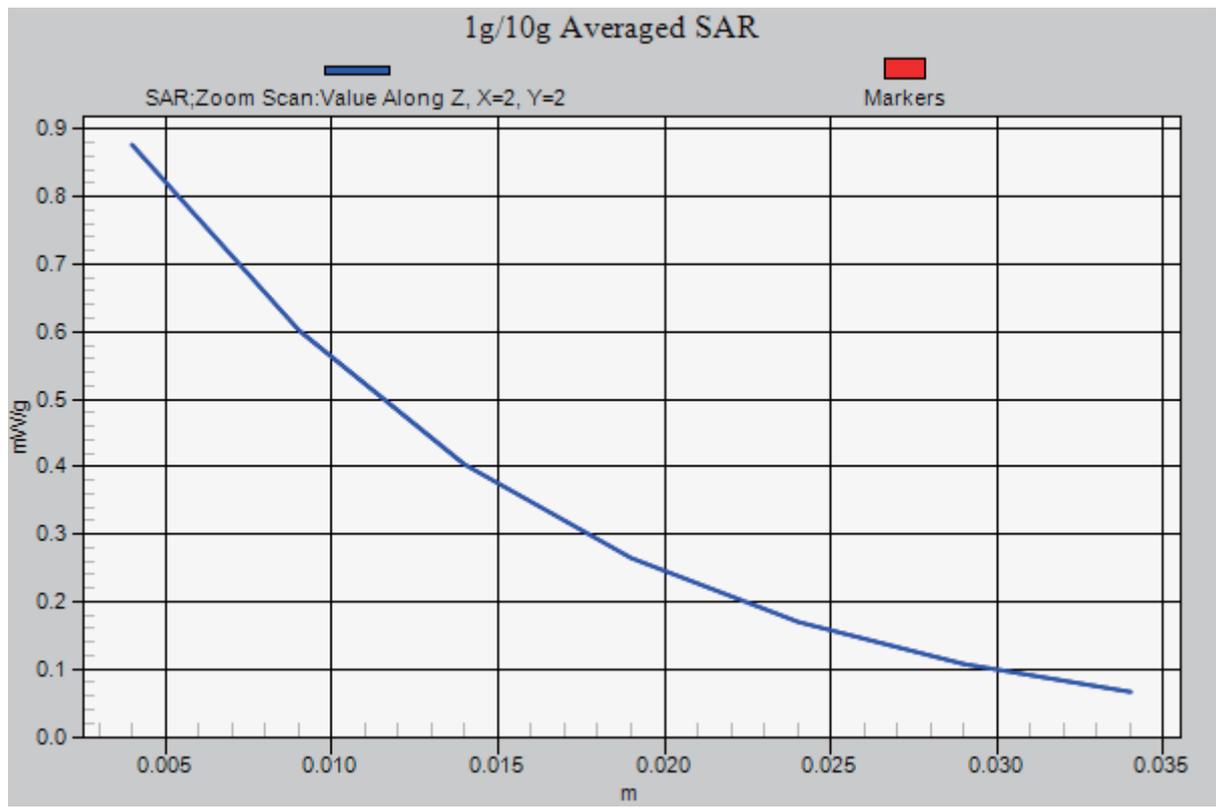
Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1
Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r = 39.844$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of Total (interpolated) = 26.077 V/m

Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 9.324 V/m; Power Drift = 0.13 dB
Peak SAR (extrapolated) = 1.278 W/kg
SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.509 mW/g
Maximum value of SAR (measured) = 0.876 mW/g



#207 LTE Band 2_QPSK(1 0)_Right Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.434$ mho/m; $\epsilon_r =$

39.45; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.387 mW/g

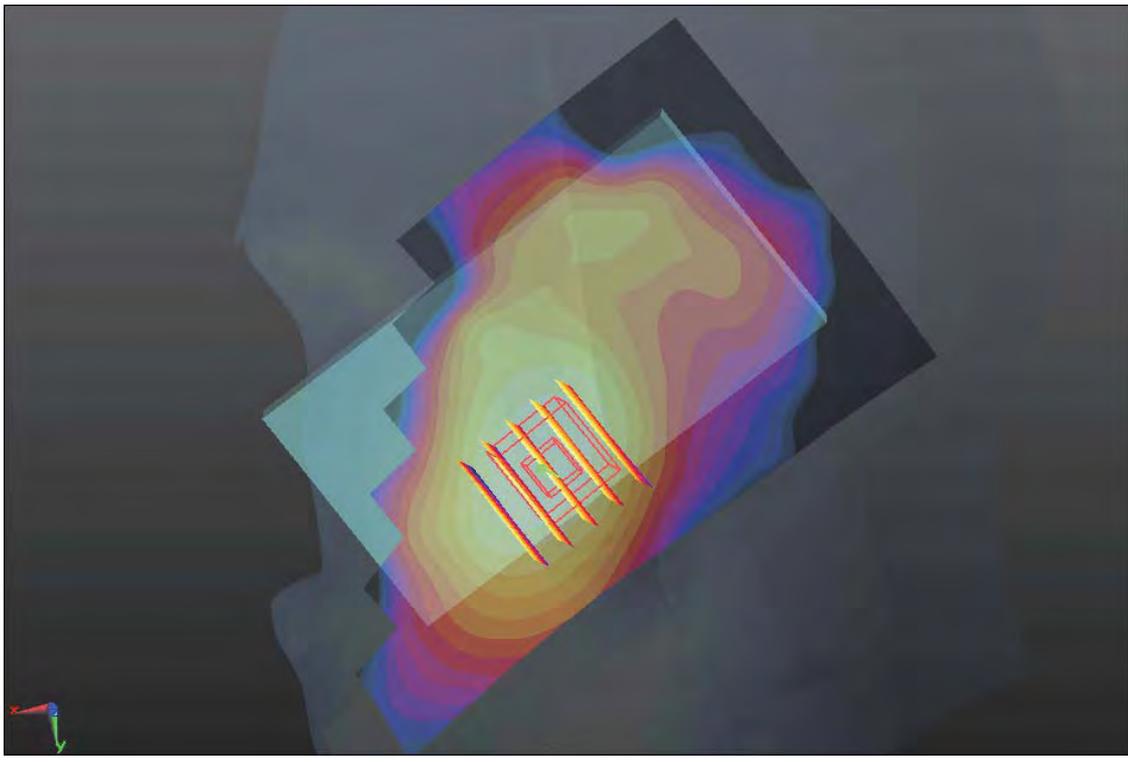
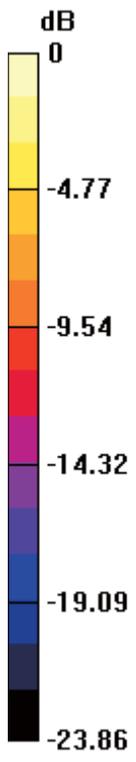
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.873 V/m; Power Drift = -0.0081 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.203 mW/g

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



0 dB = 0.350mW/g

#28 LTE Band 2_QPSK(50 25)_Right Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.297 mW/g

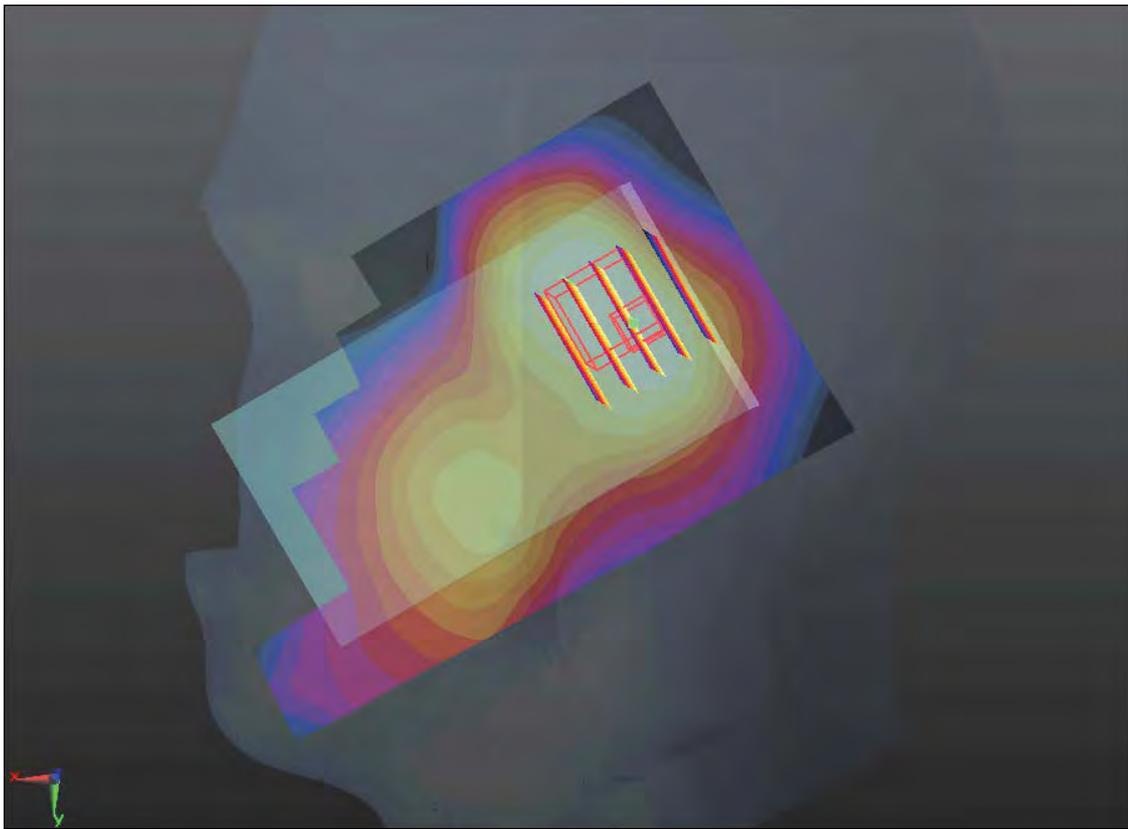
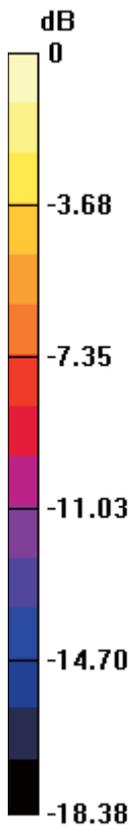
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.116 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.381 W/kg

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.267 mW/g



0 dB = 0.270mW/g

#32 LTE Band 2_QPSK(1 0)_Right Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.435 mW/g

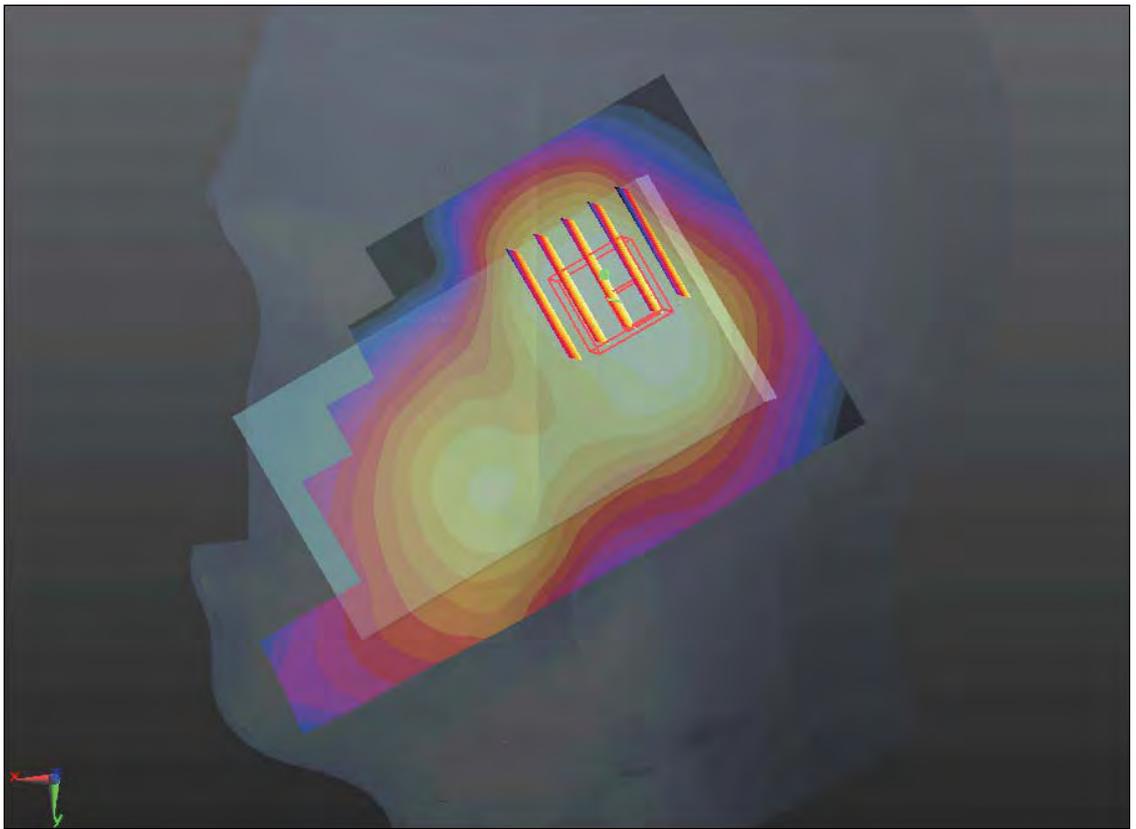
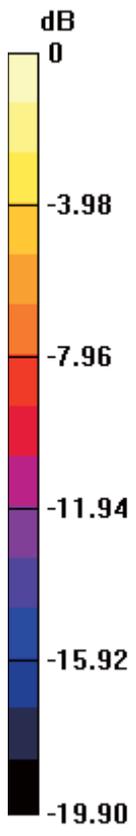
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.733 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.584 W/kg

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.387 mW/g



0 dB = 0.390mW/g

#36 LTE Band 2_QPSK(1 99)_Right Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.397 mW/g

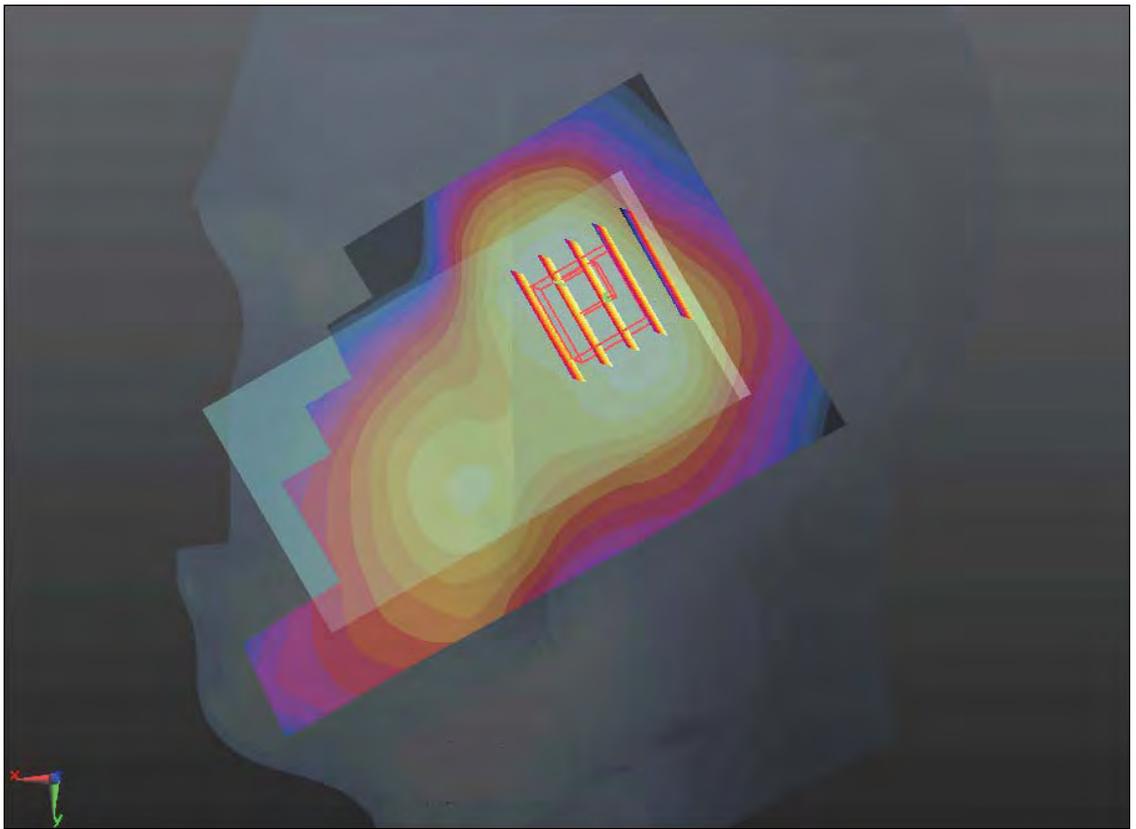
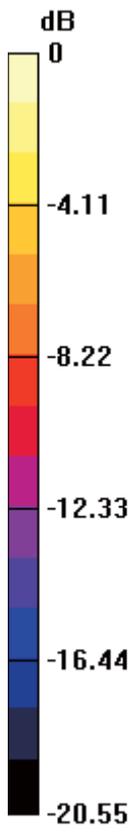
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.558 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.517 W/kg

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.210 mW/g

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



0 dB = 0.350mW/g

#40 LTE Band 2_16QAM(50 25)_Right Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.288 mW/g

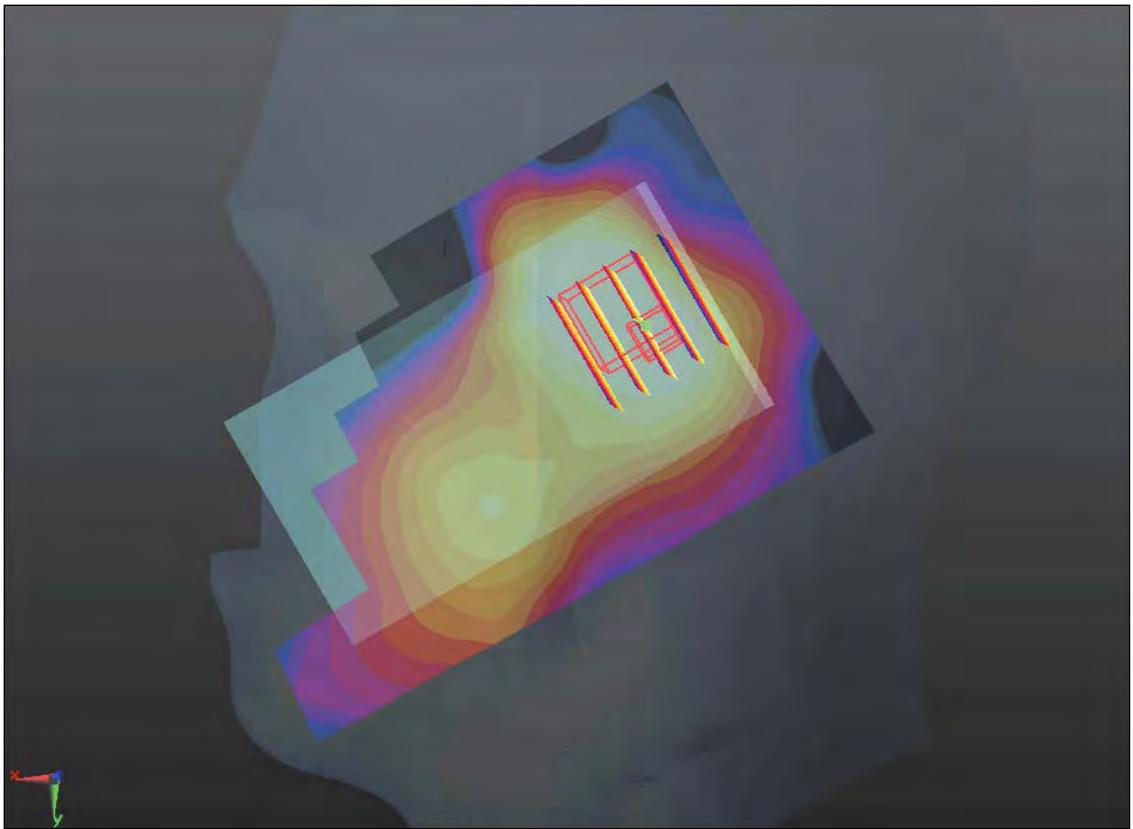
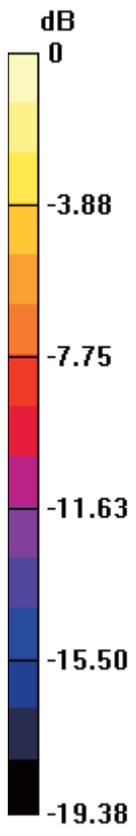
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.144 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.312 W/kg

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.128 mW/g

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



0 dB = 0.210mW/g

#44 LTE Band 2_16QAM(1 0)_Right Tilted_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.376 mW/g

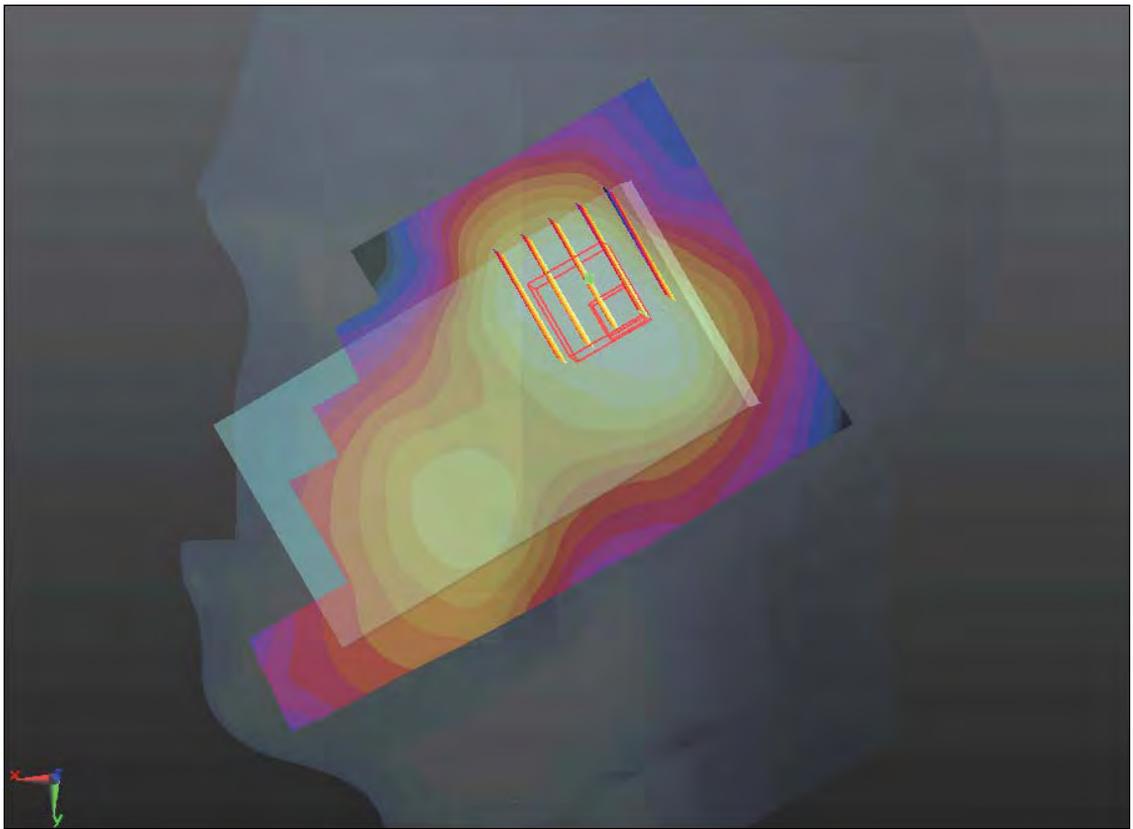
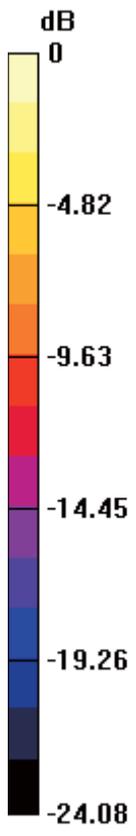
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.019 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.481 W/kg

SAR(1 g) = 0.316 mW/g; SAR(10 g) = 0.207 mW/g

Maximum value of SAR (measured) = 0.330 mW/g



0 dB = 0.330mW/g

#48 LTE Band 2_16QAM(1 99)_Right Tilted_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.390 mW/g

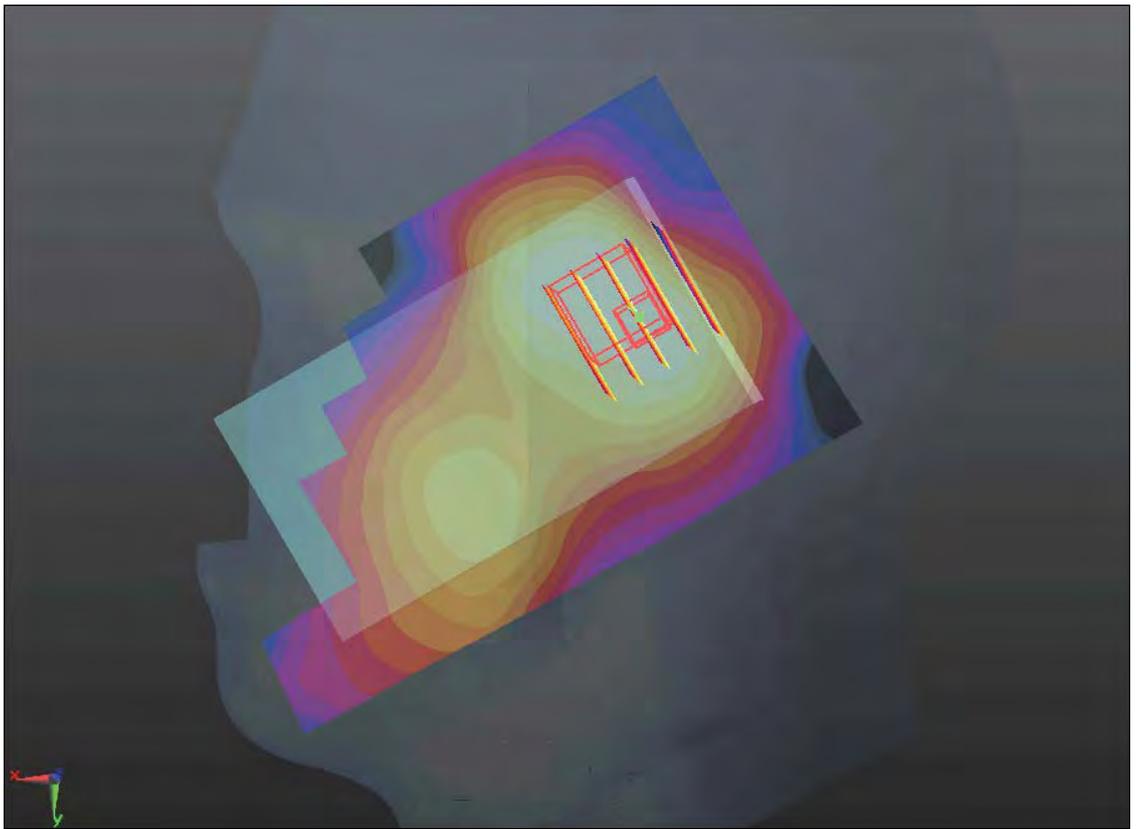
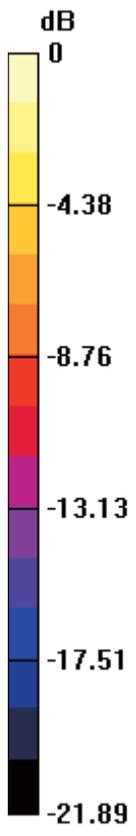
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.878 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.512 W/kg

SAR(1 g) = 0.325 mW/g; SAR(10 g) = 0.210 mW/g

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



0 dB = 0.350mW/g

#29 LTE Band 2_QPSK(50 25)_Left Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.546 mW/g

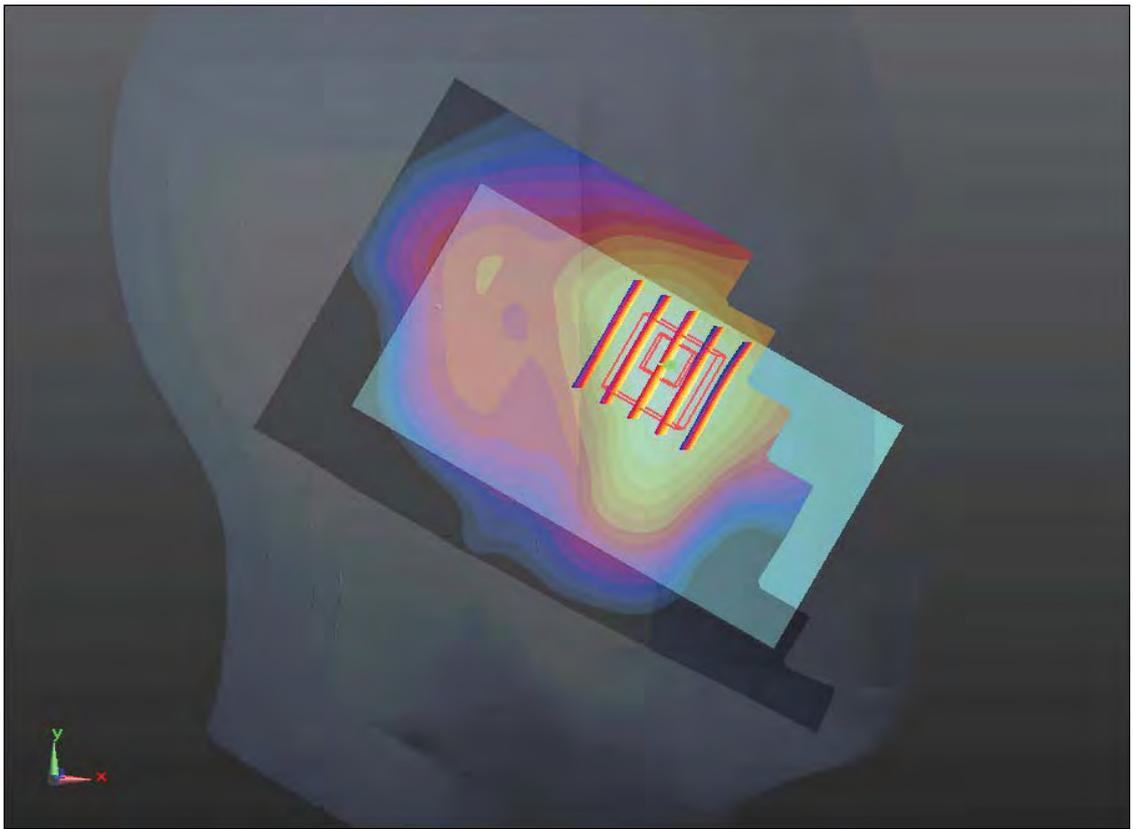
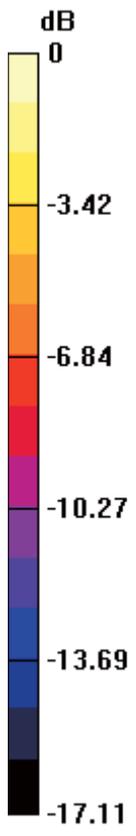
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.113 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.729 W/kg

SAR(1 g) = 0.484 mW/g; SAR(10 g) = 0.303 mW/g

Maximum value of SAR (measured) = 0.515 mW/g



0 dB = 0.510mW/g

#33 LTE Band 2_QPSK(1 0)_Left Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.756 mW/g

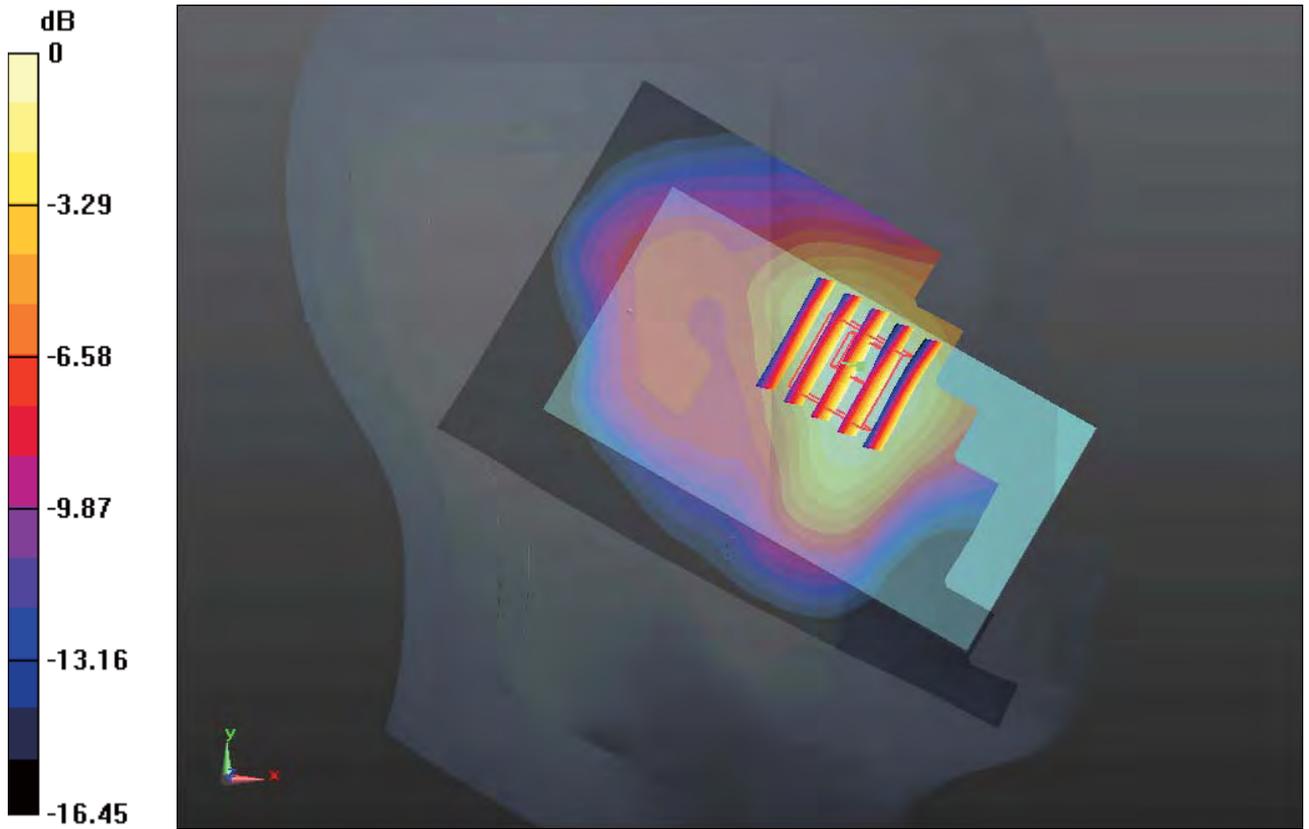
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.705 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.051 W/kg

SAR(1 g) = 0.676 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.713 mW/g



0 dB = 0.710mW/g

#37 LTE Band 2_QPSK(1 99)_Left Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.716 mW/g

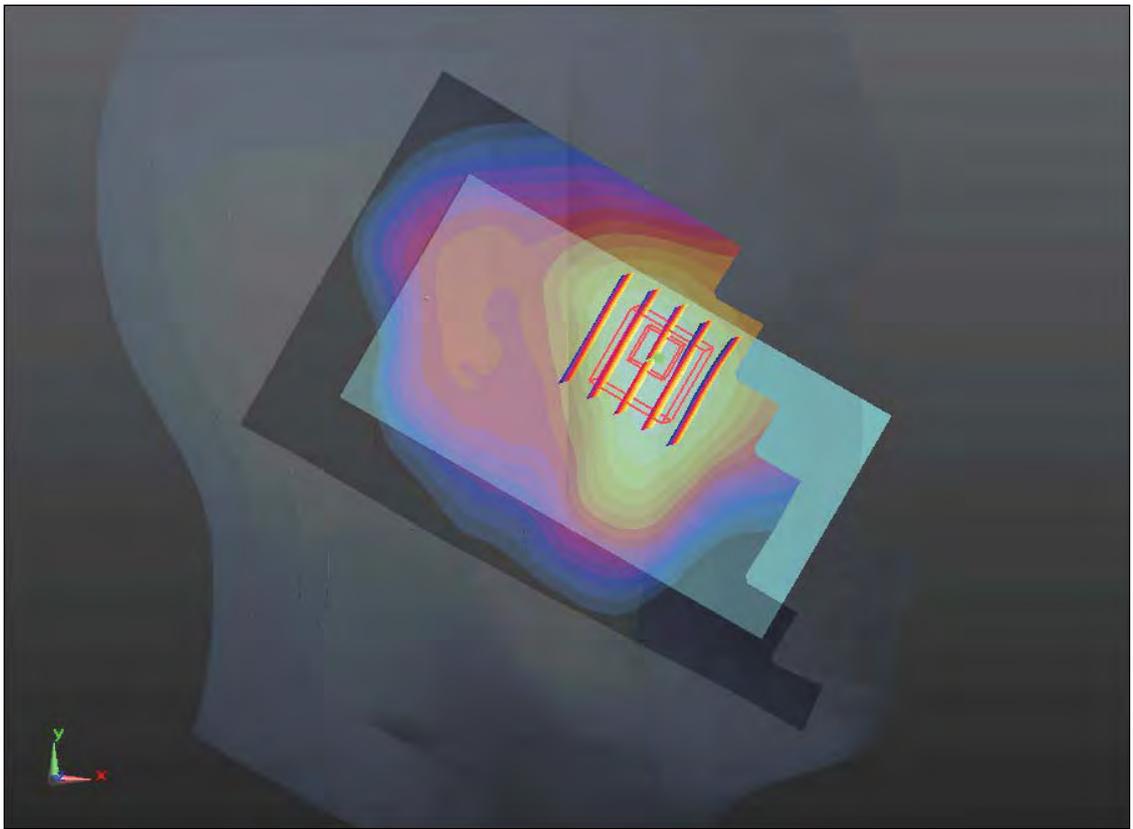
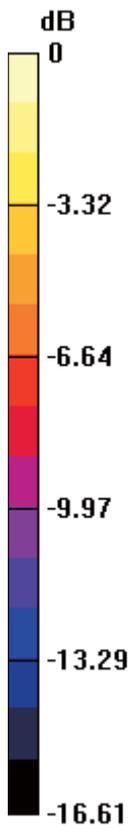
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.116 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.942 W/kg

SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.391 mW/g

Maximum value of SAR (measured) = 0.659 mW/g



0 dB = 0.660mW/g

#41 LTE Band 2_16QAM(50 25)_Left Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.435 mW/g

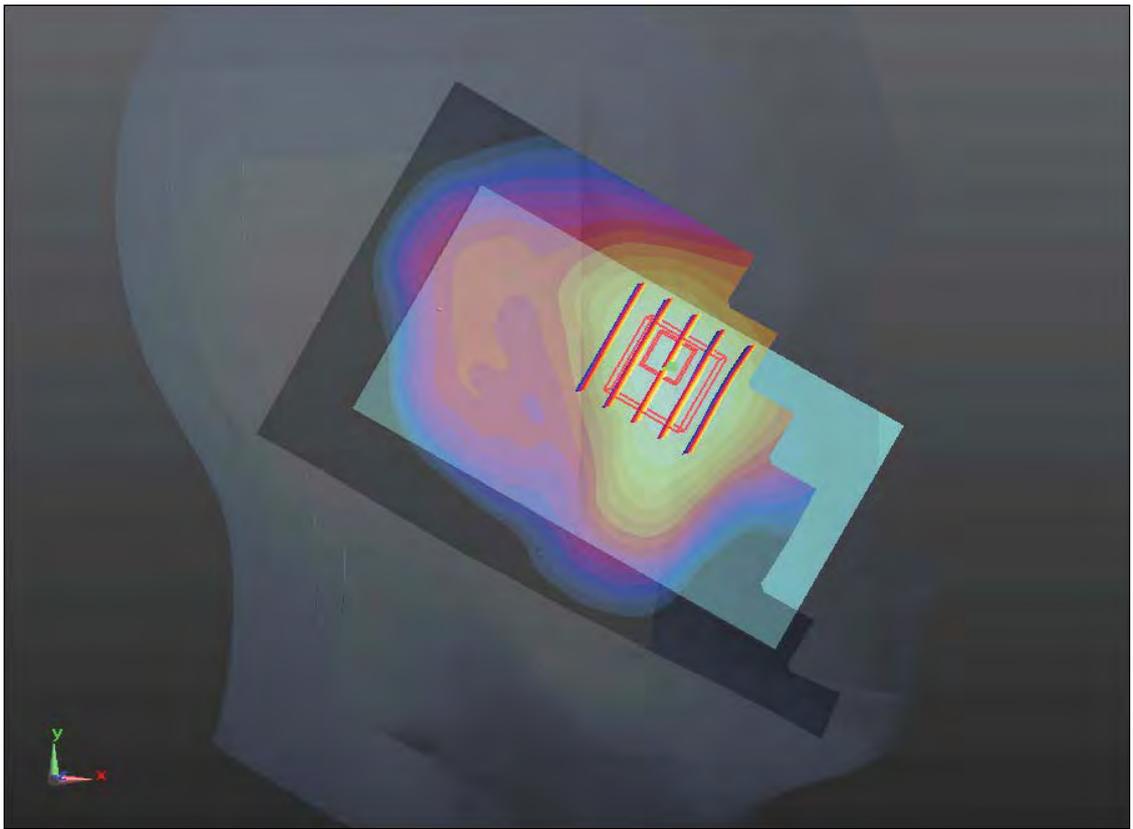
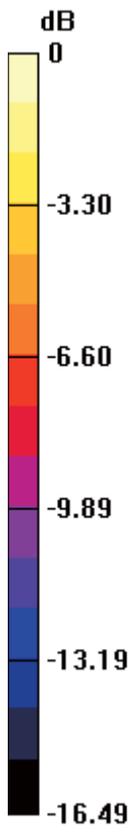
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.007 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.577 W/kg

SAR(1 g) = 0.381 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.400 mW/g



0 dB = 0.400mW/g

#45 LTE Band 2_16QAM(1 0)_Left Check_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.604 mW/g

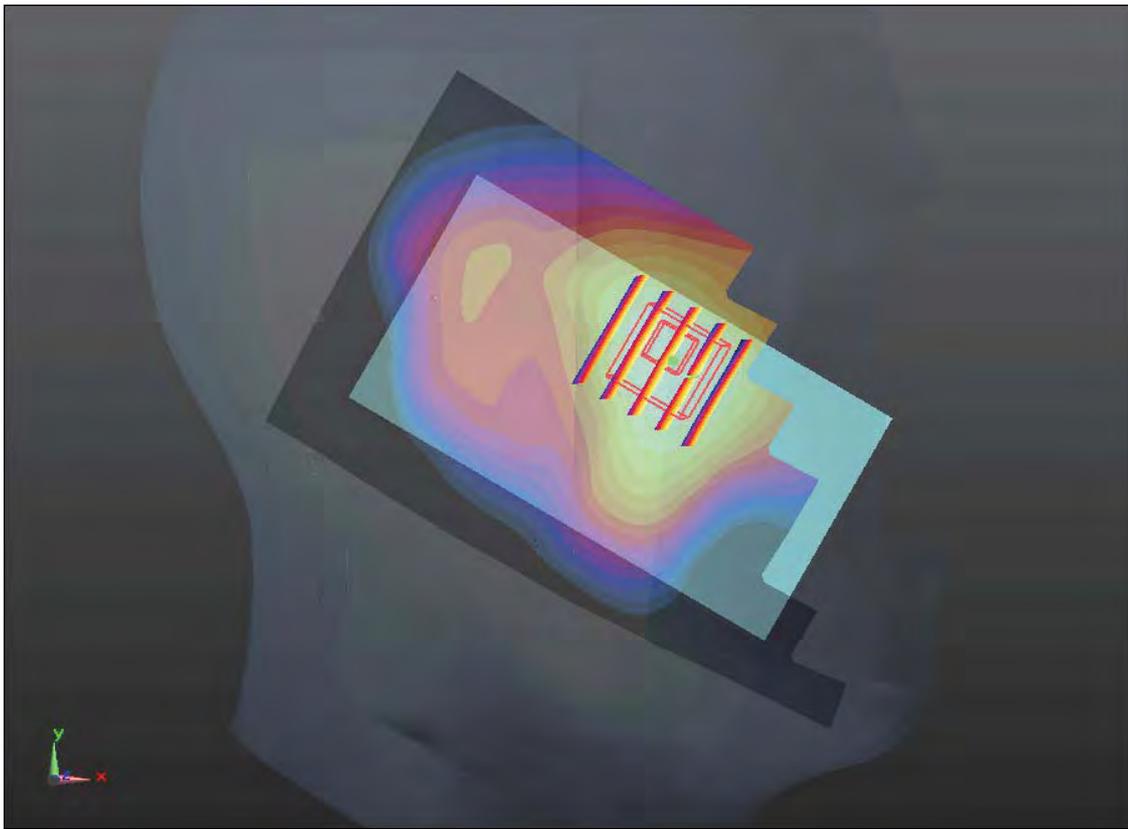
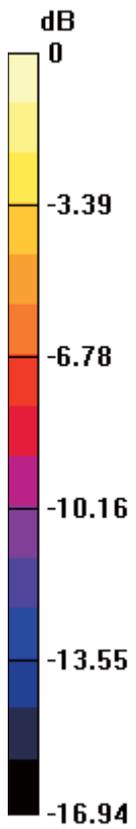
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.491 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.773 W/kg

SAR(1 g) = 0.527 mW/g; SAR(10 g) = 0.334 mW/g

Maximum value of SAR (measured) = 0.545 mW/g



0 dB = 0.550mW/g

#49 LTE Band 2_16QAM(1 99)_Left Check_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.603 mW/g

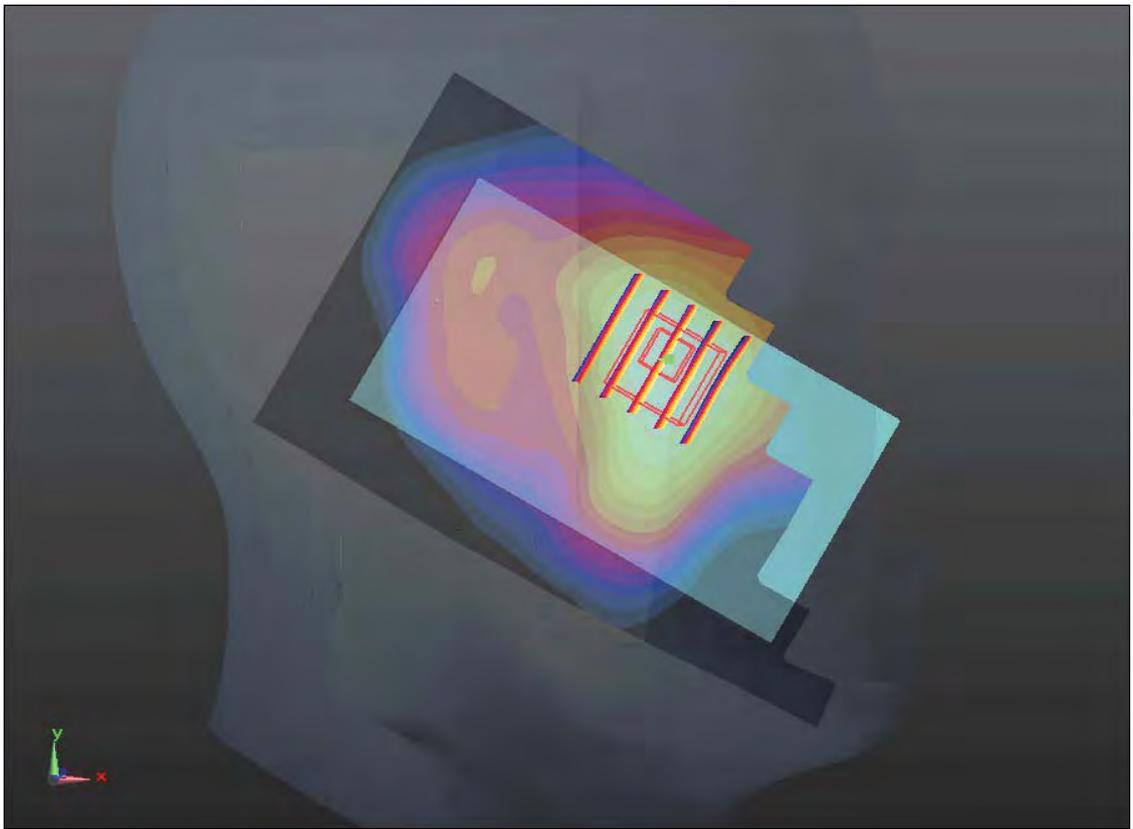
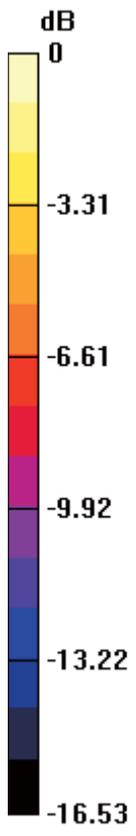
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.569 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.775 W/kg

SAR(1 g) = 0.526 mW/g; SAR(10 g) = 0.331 mW/g

Maximum value of SAR (measured) = 0.560 mW/g



0 dB = 0.560mW/g

#212 LTE Band 2_QPSK(1 0)_Left Check_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.434$ mho/m; $\epsilon_r =$

39.45; $\rho = 1000$ kg/m³

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

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.247 mW/g

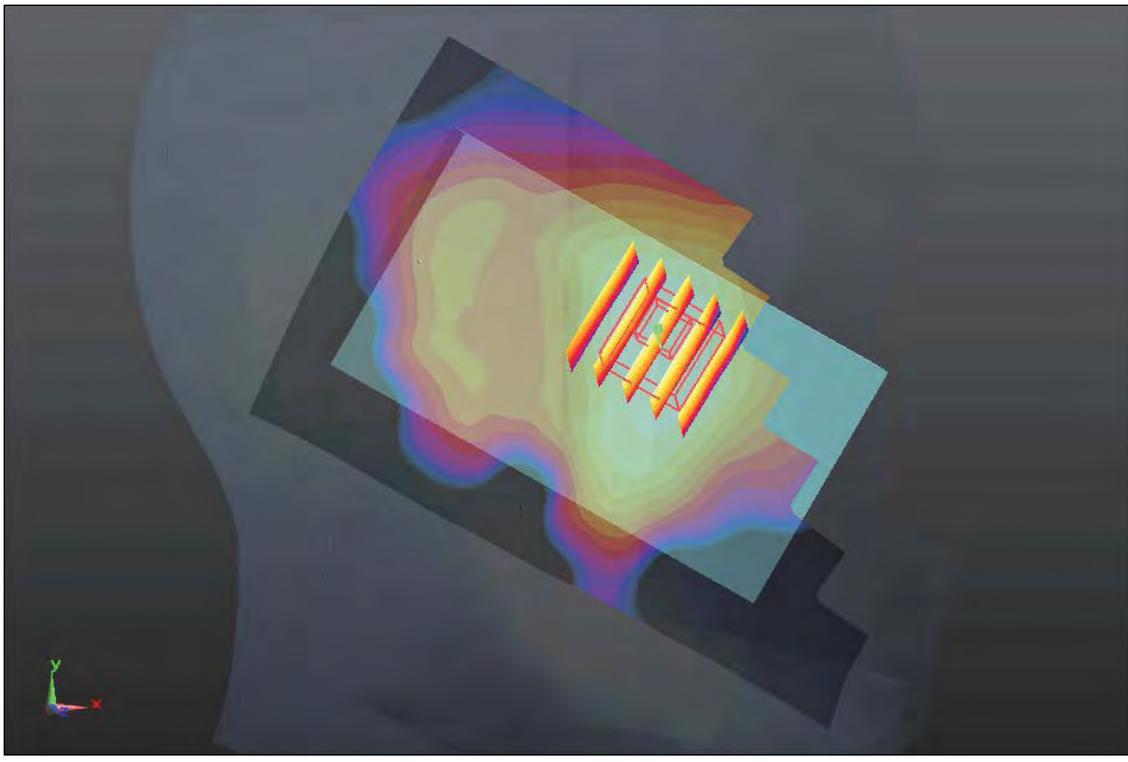
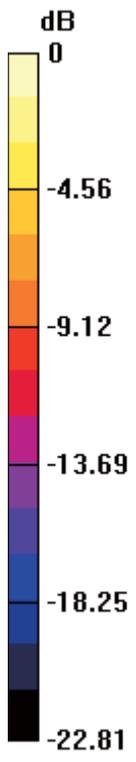
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.512 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.316 W/kg

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.227 mW/g



0 dB = 0.230mW/g

#30 LTE Band 2_QPSK(50 25)_Left Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

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

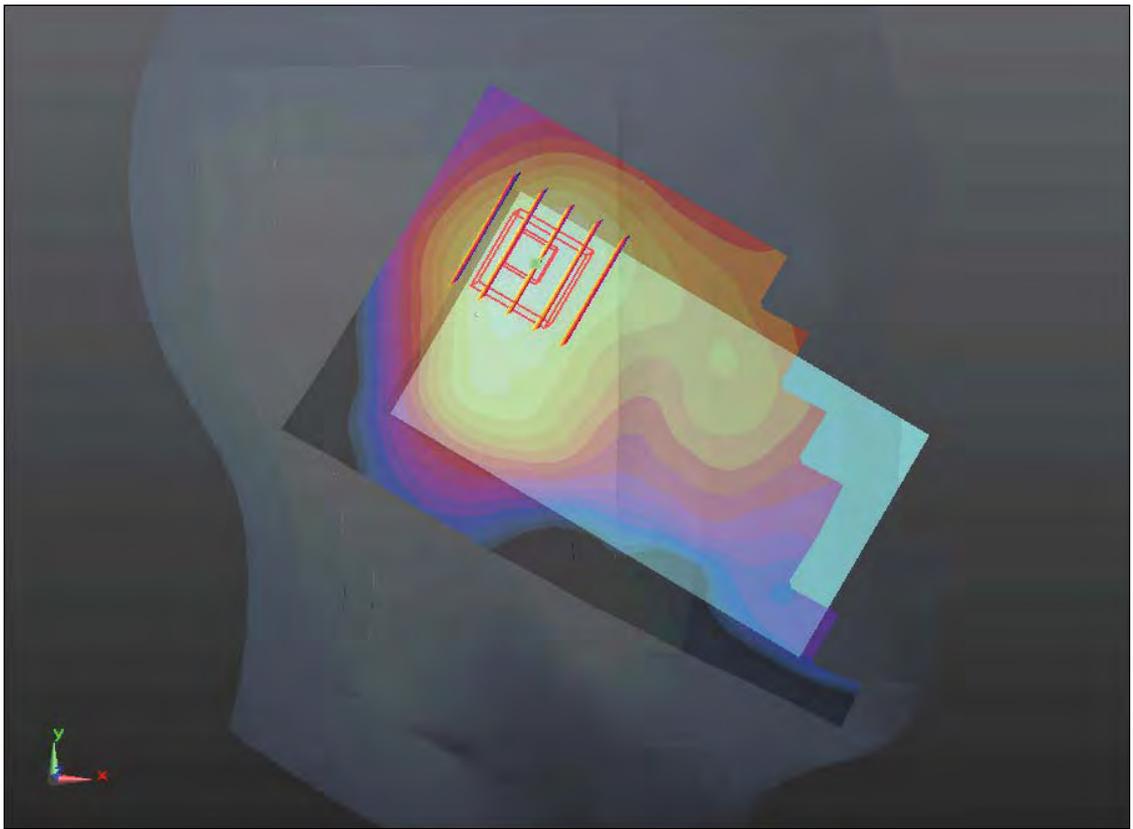
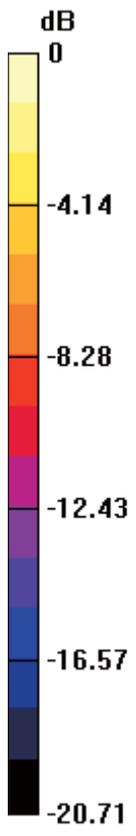
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.739 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.412 W/kg

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.278 mW/g



0 dB = 0.280mW/g

#34 LTE Band 2_QPSK(1 0)_Left Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.422 mW/g

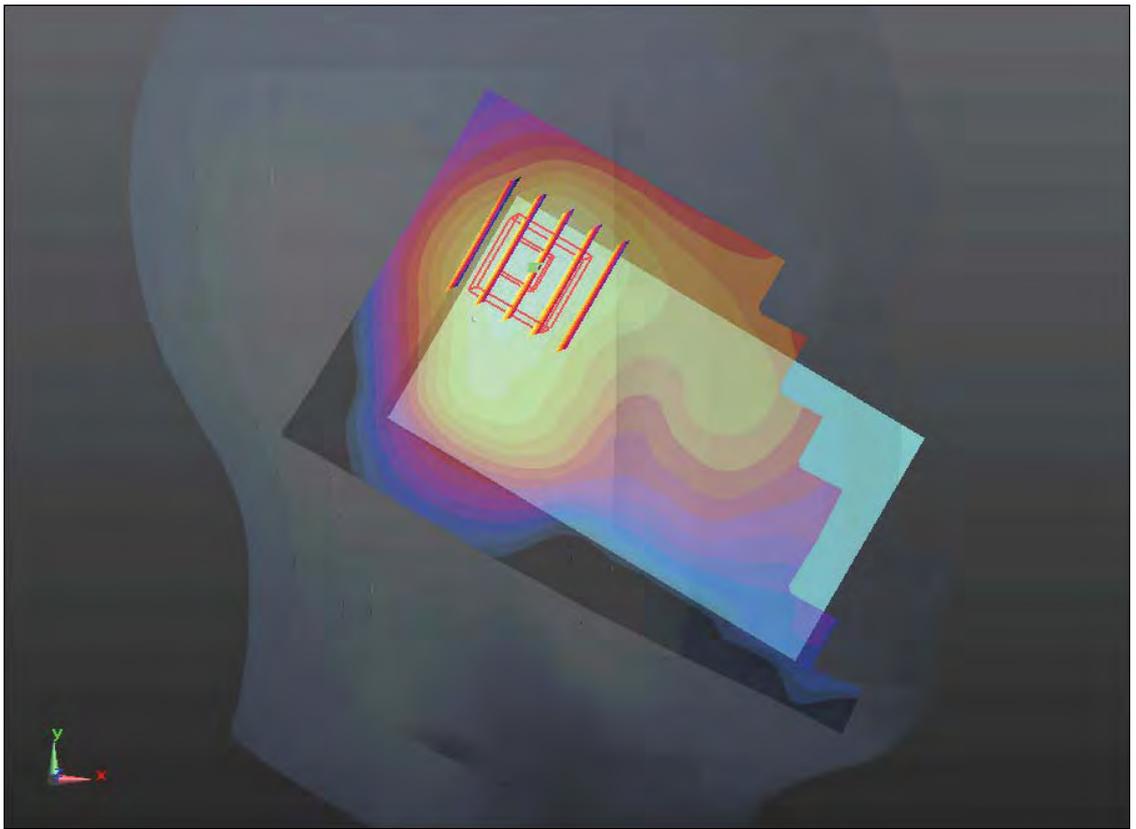
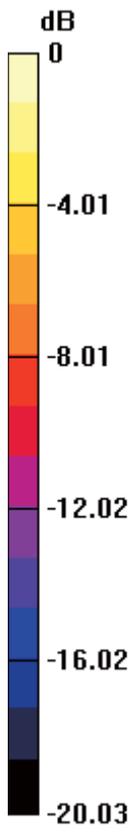
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.095 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.595 W/kg

SAR(1 g) = 0.366 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.398 mW/g



0 dB = 0.400mW/g

#38 LTE Band 2_QPSK(1 99)_Left Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.378 mW/g

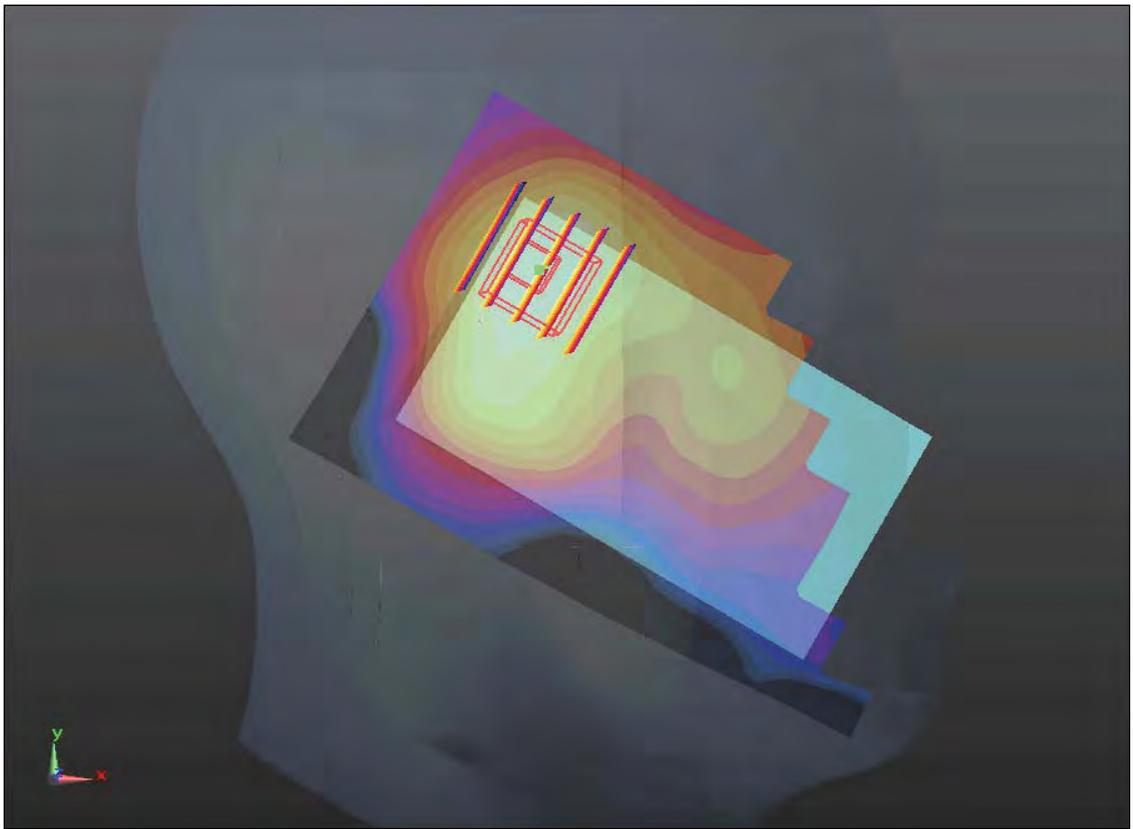
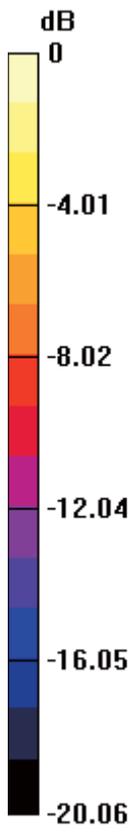
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.466 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.525 W/kg

SAR(1 g) = 0.332 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.360 mW/g



0 dB = 0.360mW/g

#42 LTE Band 2_16QAM(50 25)_Left Tilted_20M_Ch18900

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.399$ mho/m; $\epsilon_r =$

39.785 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

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

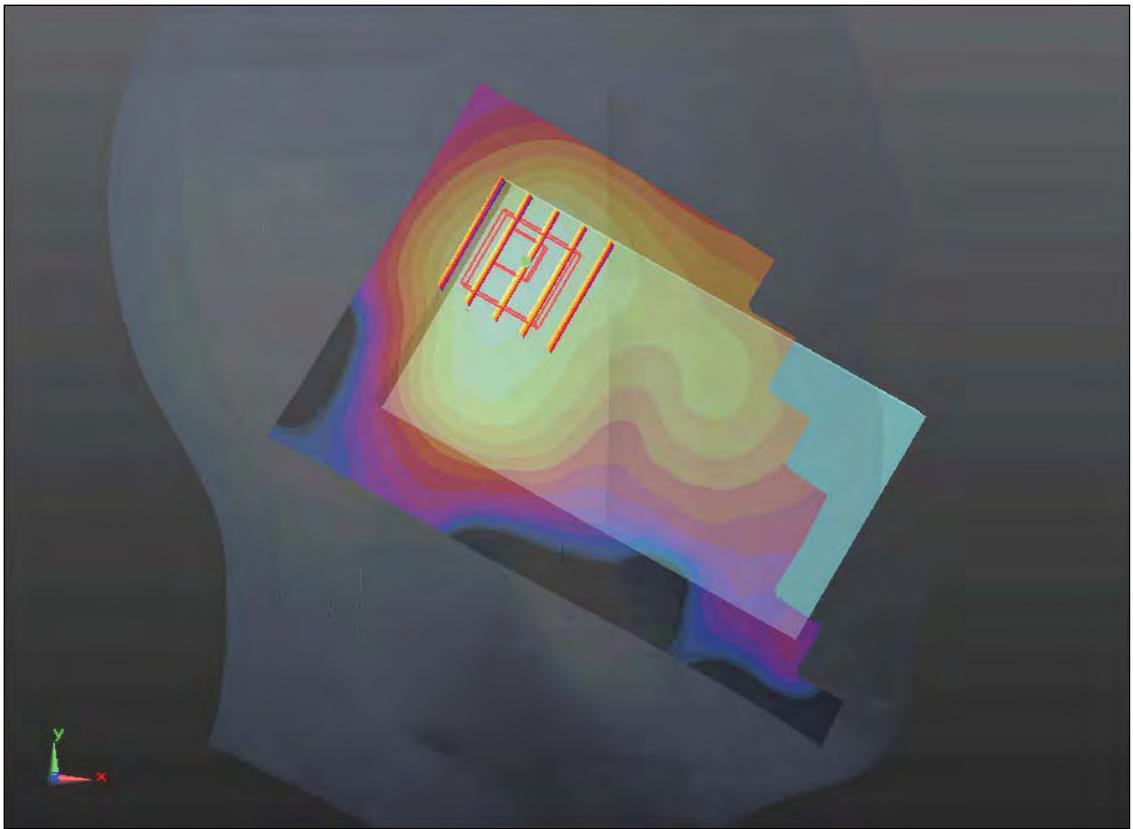
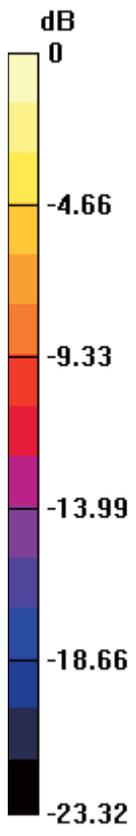
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.360 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.319 W/kg

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.218 mW/g



0 dB = 0.220mW/g

#46 LTE Band 2_16QAM(1 0)_Left Tilted_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

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

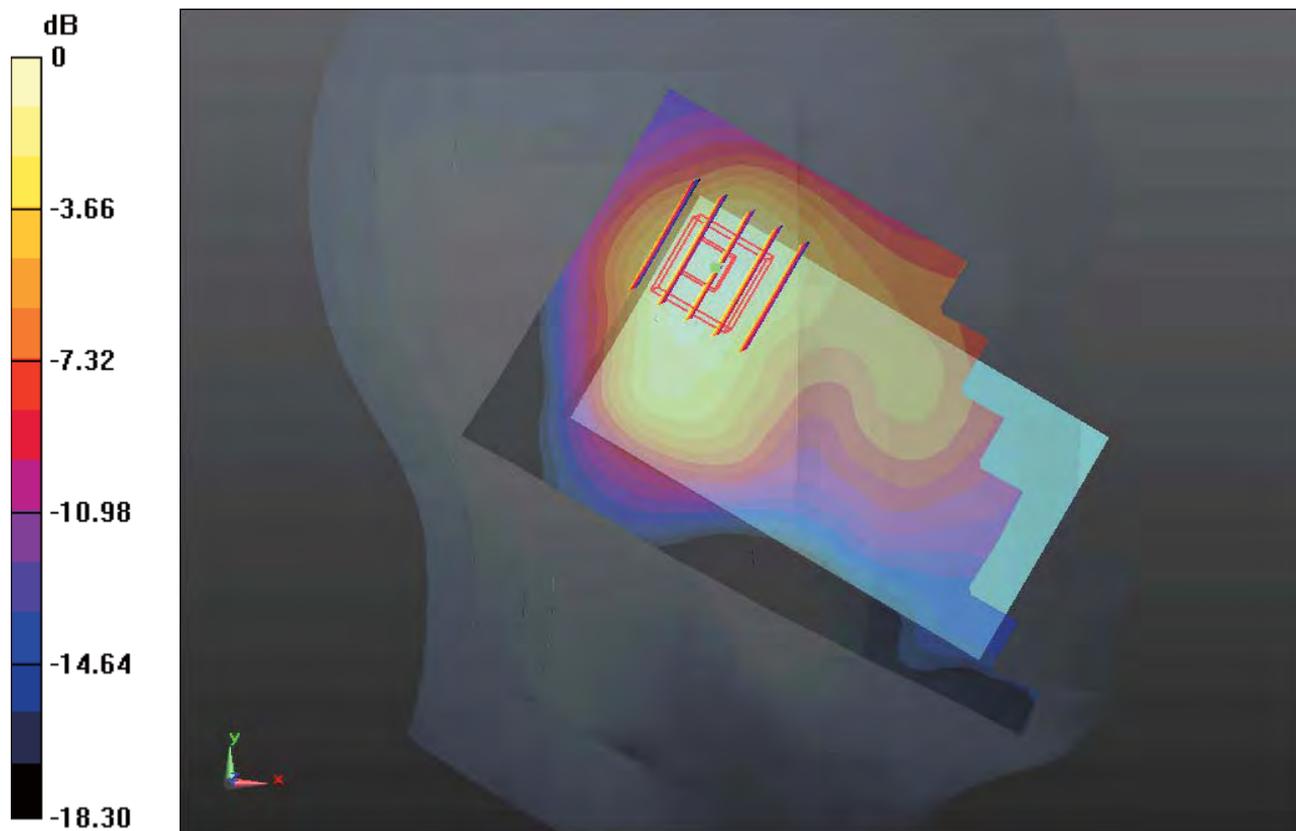
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.201 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.470 W/kg

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.318 mW/g



0 dB = 0.320mW/g

#50 LTE Band 2_16QAM(1 99)_Left Tilted_20M_Ch18700

DUT: 271302

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

Medium: HSL_1900_120728 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

39.844 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.84, 7.84, 7.84); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.342 mW/g

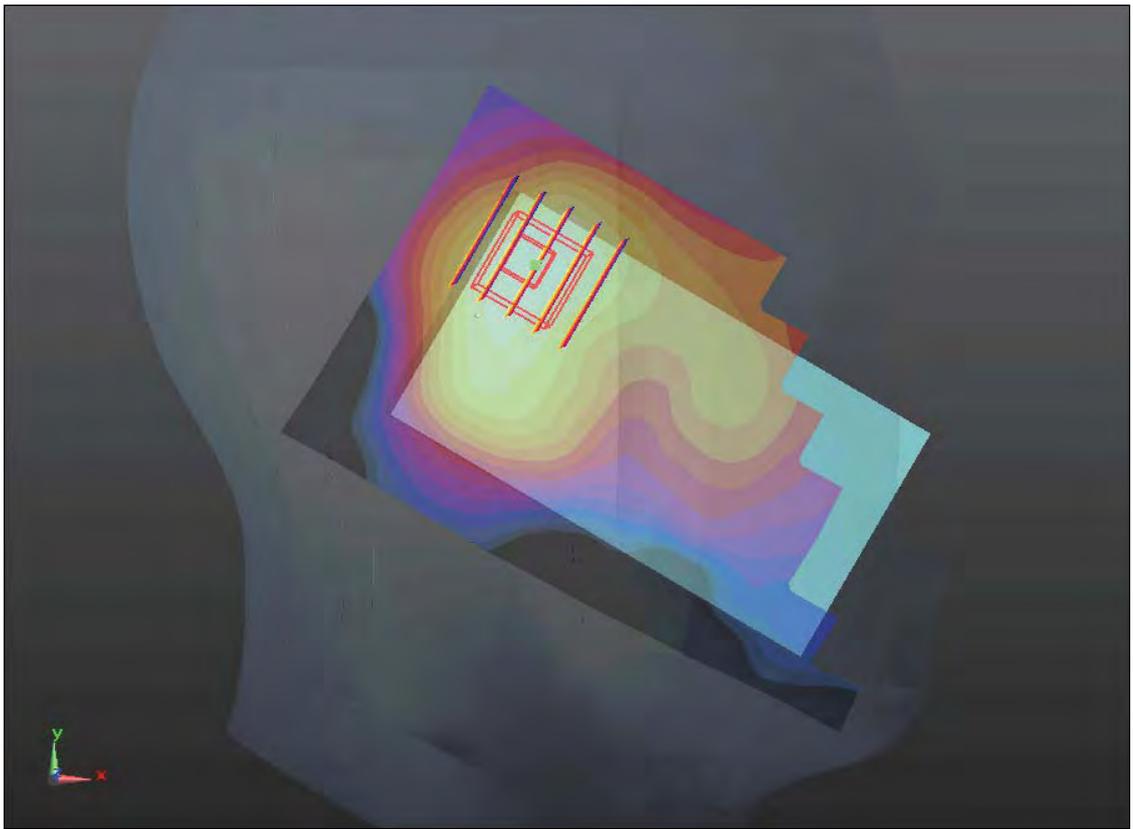
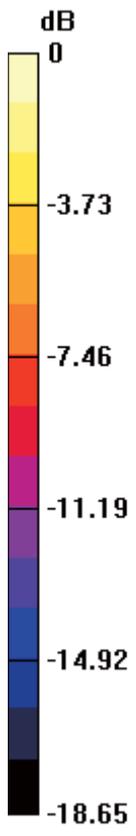
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.097 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.476 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.176 mW/g

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



0 dB = 0.320mW/g

#51 LTE Band 4_QPSK(50 25)_Right Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.914 mW/g

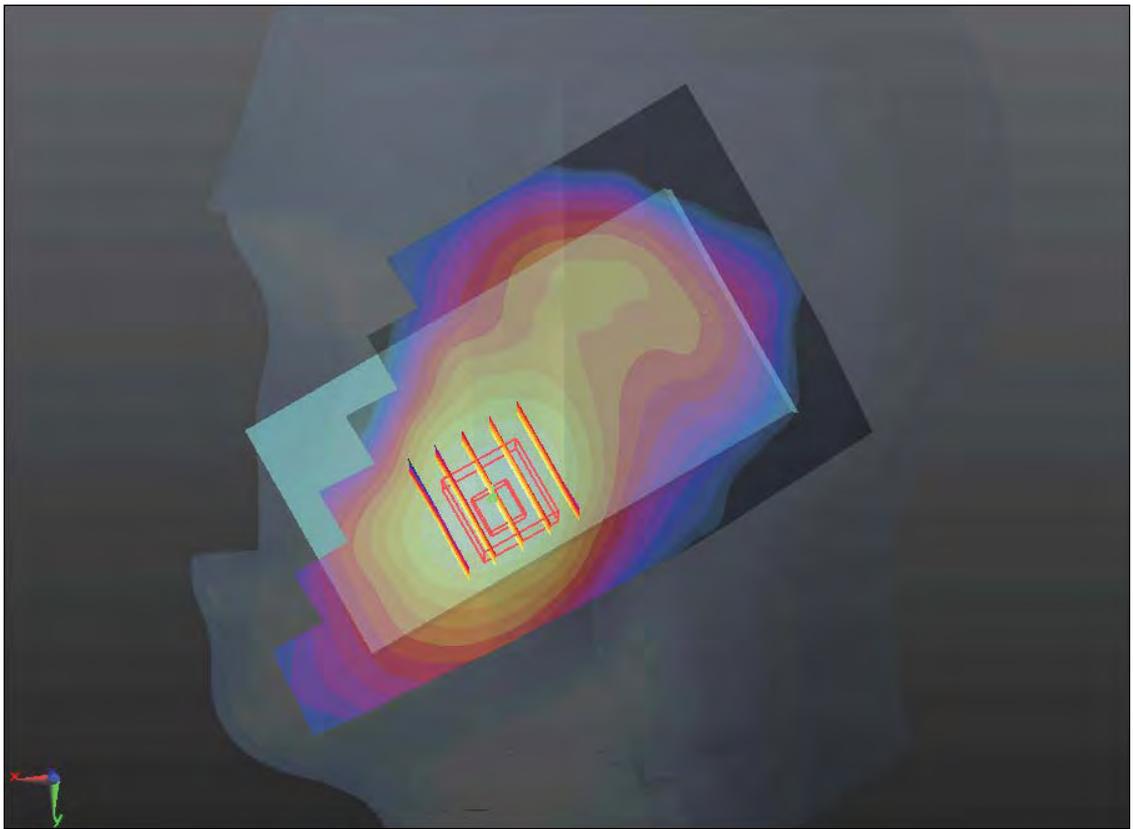
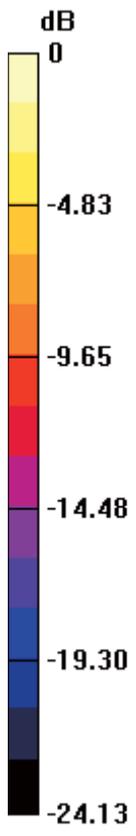
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.854 V/m; Power Drift = 0.0043 dB

Peak SAR (extrapolated) = 1.227 W/kg

SAR(1 g) = 0.809 mW/g; SAR(10 g) = 0.488 mW/g

Maximum value of SAR (measured) = 0.855 mW/g



0 dB = 0.860mW/g

#55 LTE Band 4_QPSK(50 25)_Right Check_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.854 mW/g

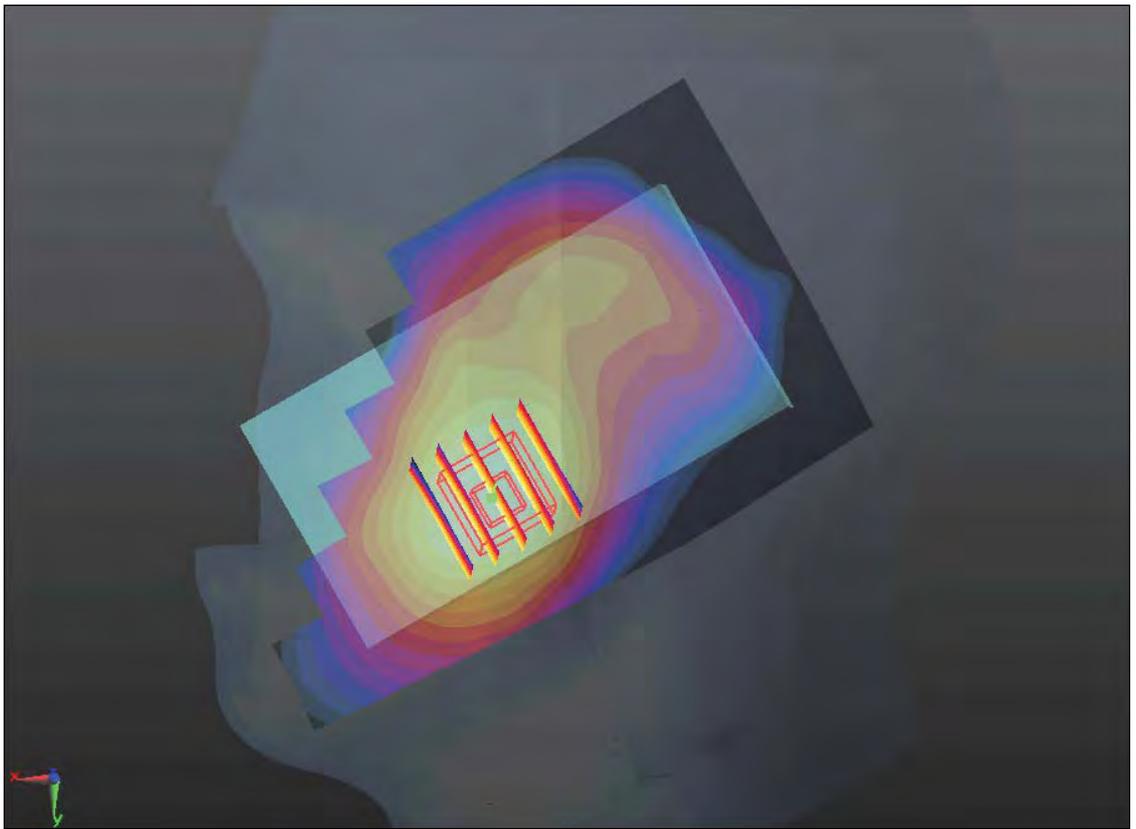
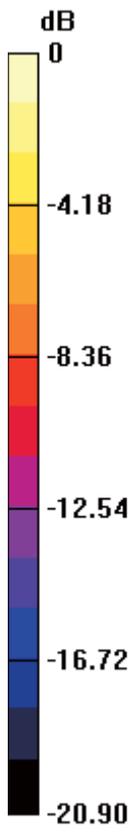
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.660 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.174 W/kg

SAR(1 g) = 0.762 mW/g; SAR(10 g) = 0.460 mW/g

Maximum value of SAR (measured) = 0.824 mW/g



0 dB = 0.820mW/g

#56 LTE Band 4_QPSK(50 25)_Right Check_20M_Ch20300

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.946 mW/g

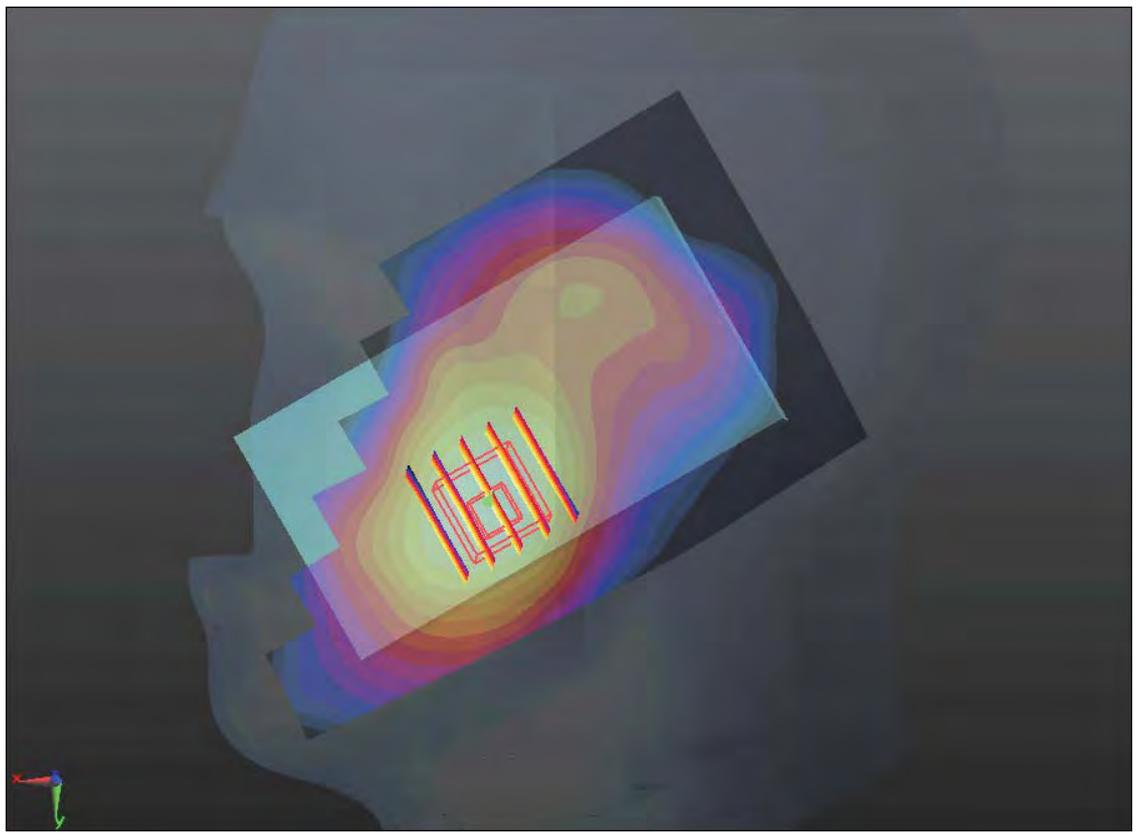
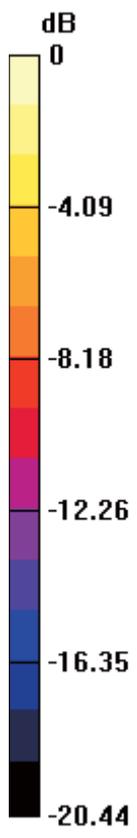
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.788 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.288 W/kg

SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.505 mW/g

Maximum value of SAR (measured) = 0.893 mW/g



0 dB = 0.890mW/g

#56 LTE Band 4_QPSK(50 25)_Right Check_20M_Ch20300_2D

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.946 mW/g

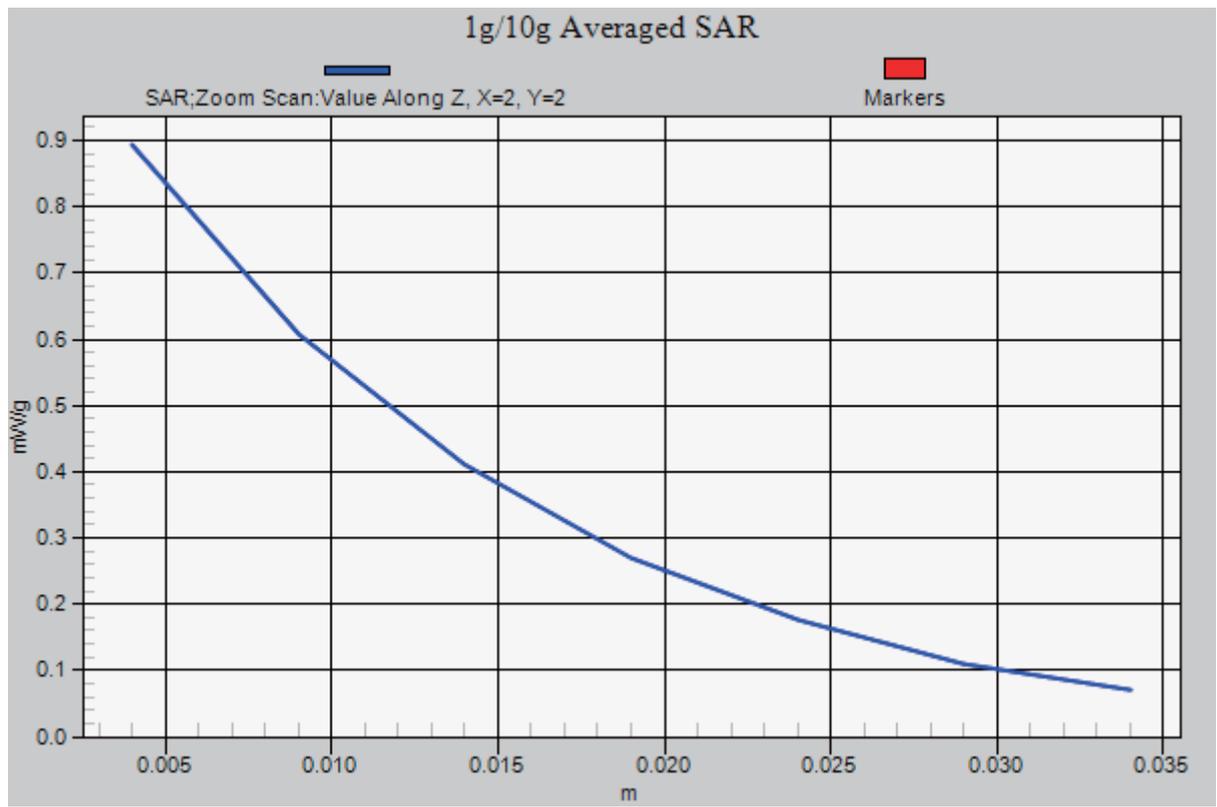
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.788 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.288 W/kg

SAR(1 g) = 0.835 mW/g; SAR(10 g) = 0.505 mW/g

Maximum value of SAR (measured) = 0.893 mW/g



#57 LTE Band 4_QPSK(1 0)_Right Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.108 mW/g

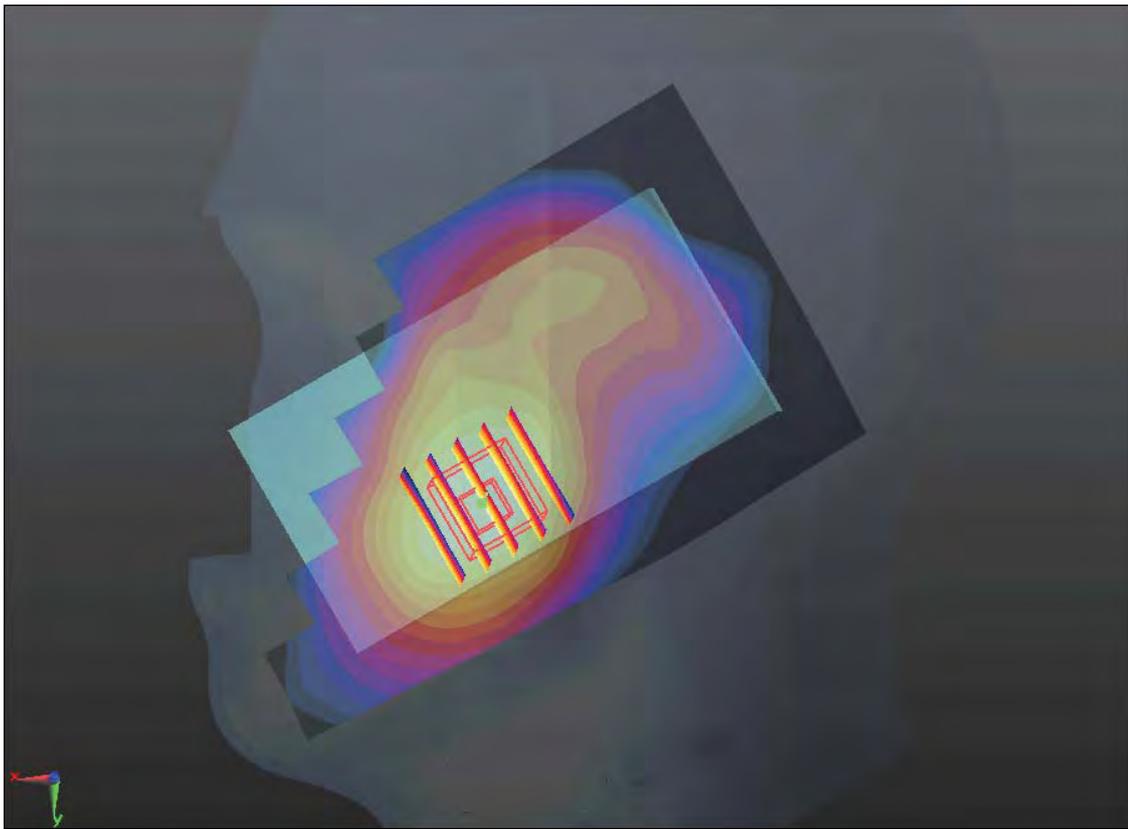
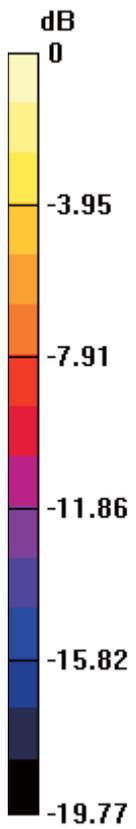
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.898 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.522 W/kg

SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.595 mW/g

Maximum value of SAR (measured) = 1.061 mW/g



0 dB = 1.060mW/g

#57 LTE Band 4_QPSK(1 0)_Right Check_20M_Ch20175_2D

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.108 mW/g

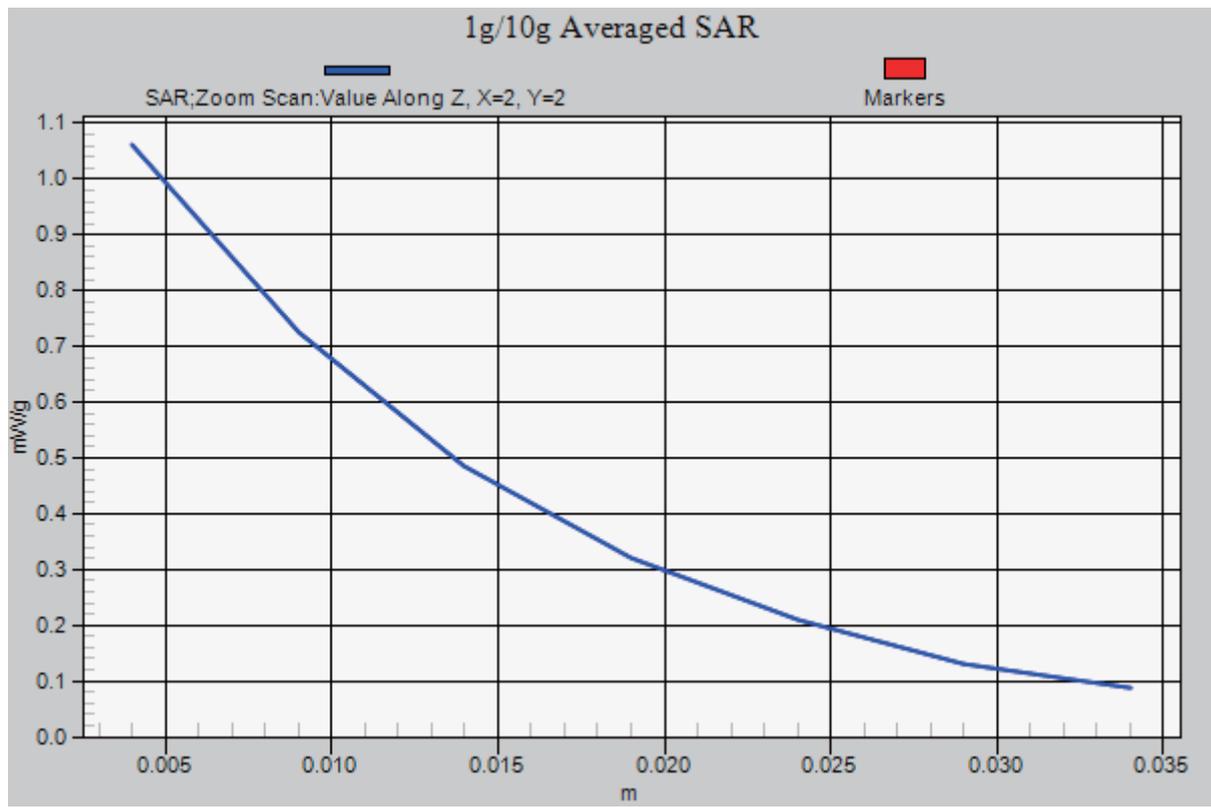
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.898 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.522 W/kg

SAR(1 g) = 0.984 mW/g; SAR(10 g) = 0.595 mW/g

Maximum value of SAR (measured) = 1.061 mW/g



#61 LTE Band 4_QPSK(1 99)_Right Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.221 mW/g

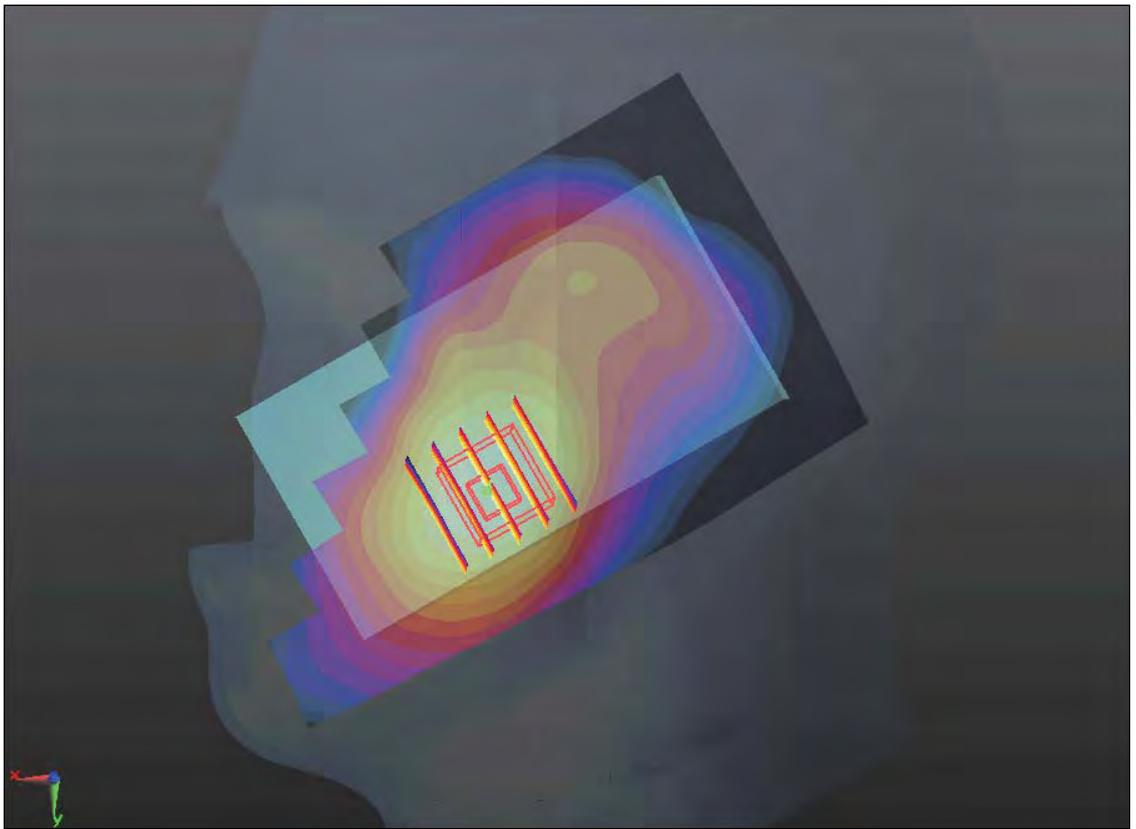
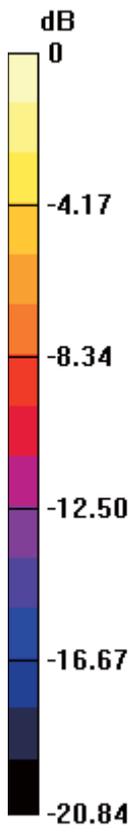
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.861 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.607 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 1.133 mW/g



0 dB = 1.130mW/g

#61 LTE Band 4_QPSK(1 99)_Right Check_20M_Ch20175_2D

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.221 mW/g

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

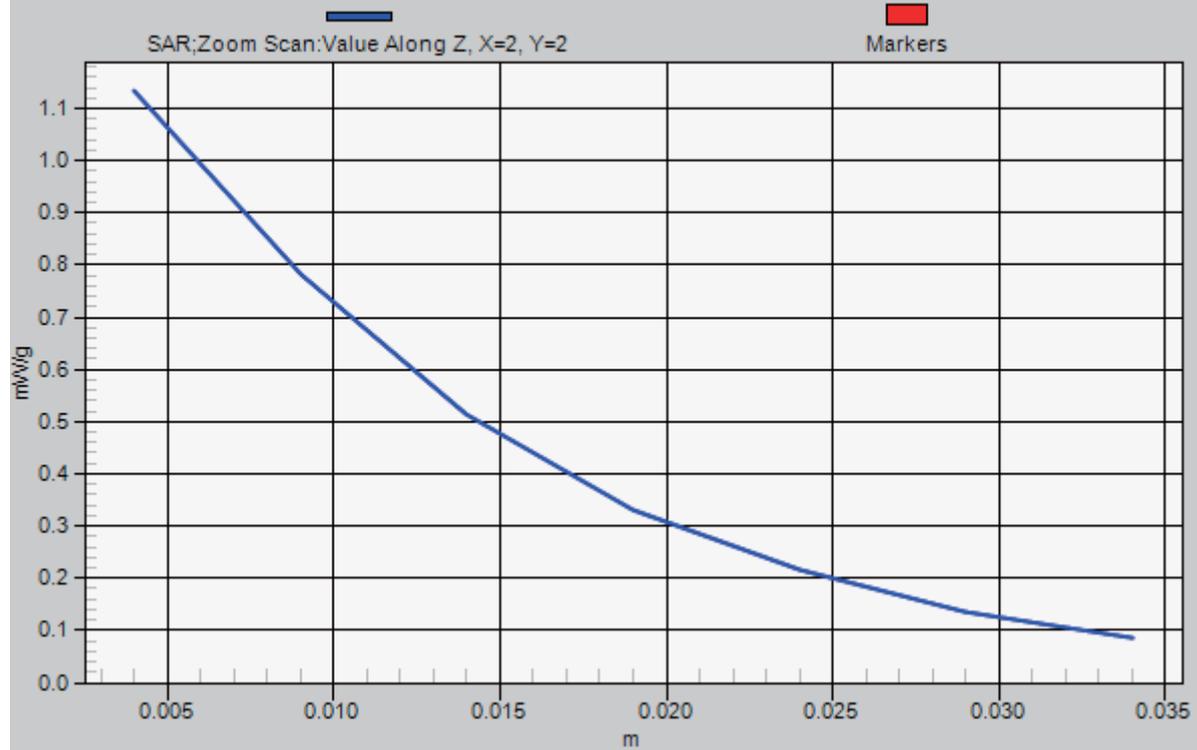
Reference Value = 9.861 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.607 W/kg

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 1.133 mW/g

1g/10g Averaged SAR



#65 LTE Band 4_16QAM(50 25)_Right Check_20M_Ch20300

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.750 mW/g

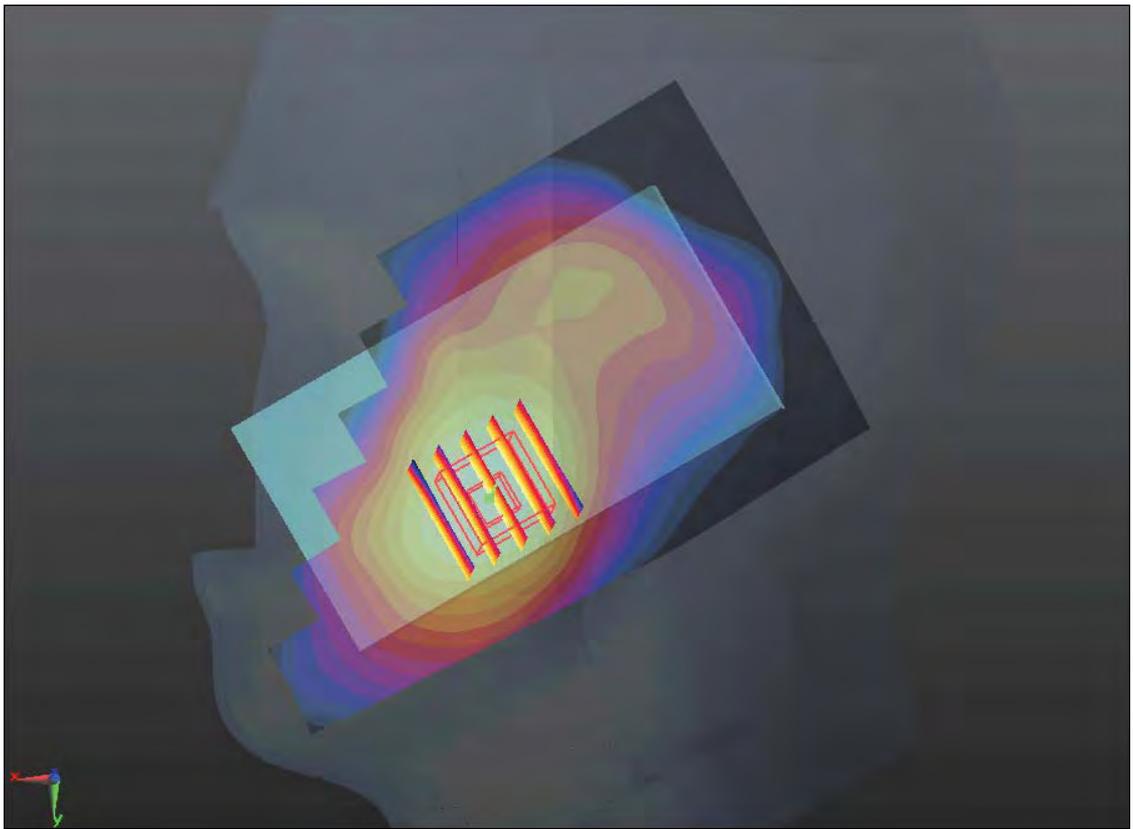
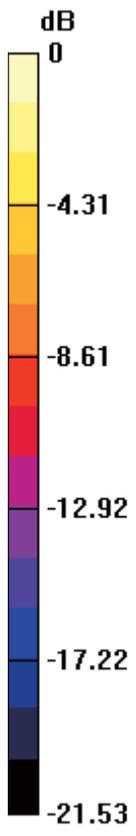
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.864 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.011 W/kg

SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.722 mW/g



0 dB = 0.720mW/g

#65 LTE Band 4_16QAM(50 25)_Right Check_20M_Ch20300_2D

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.750 mW/g

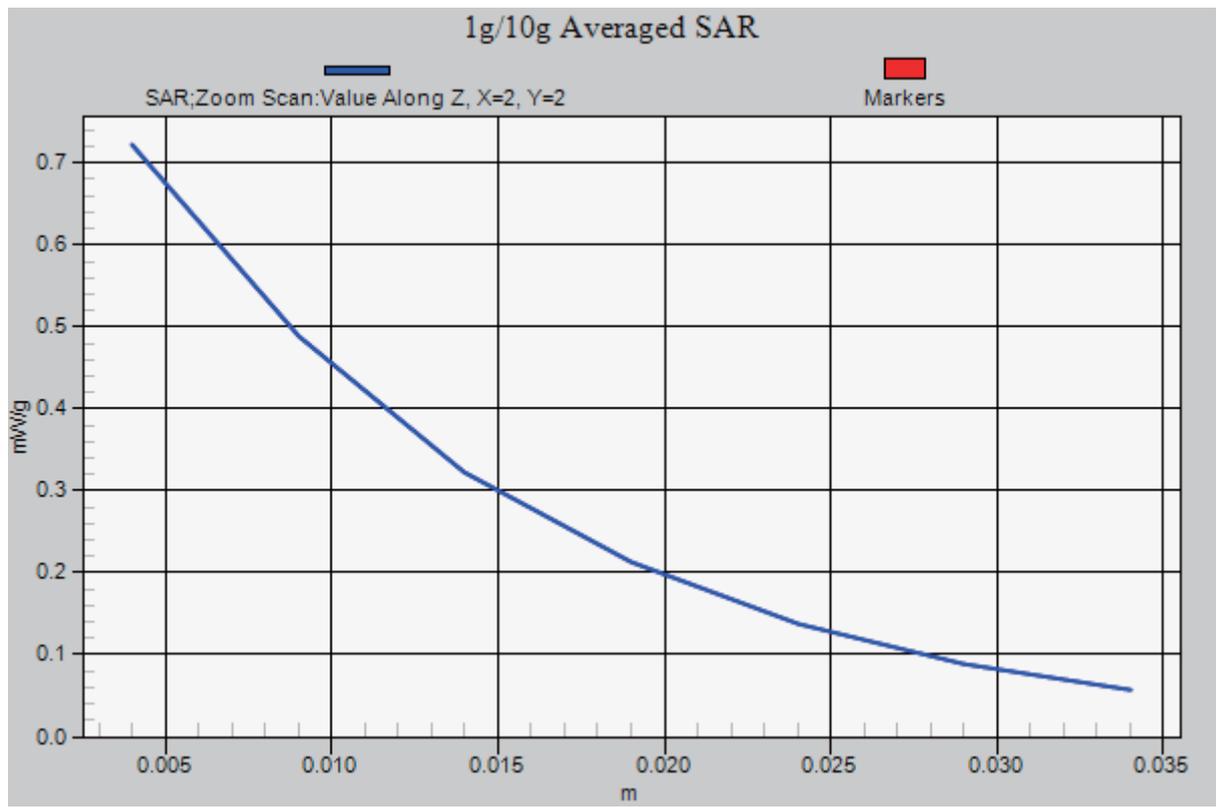
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.864 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.011 W/kg

SAR(1 g) = 0.659 mW/g; SAR(10 g) = 0.397 mW/g

Maximum value of SAR (measured) = 0.722 mW/g



#69 LTE Band 4_16QAM(1 0)_Right Check_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); 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

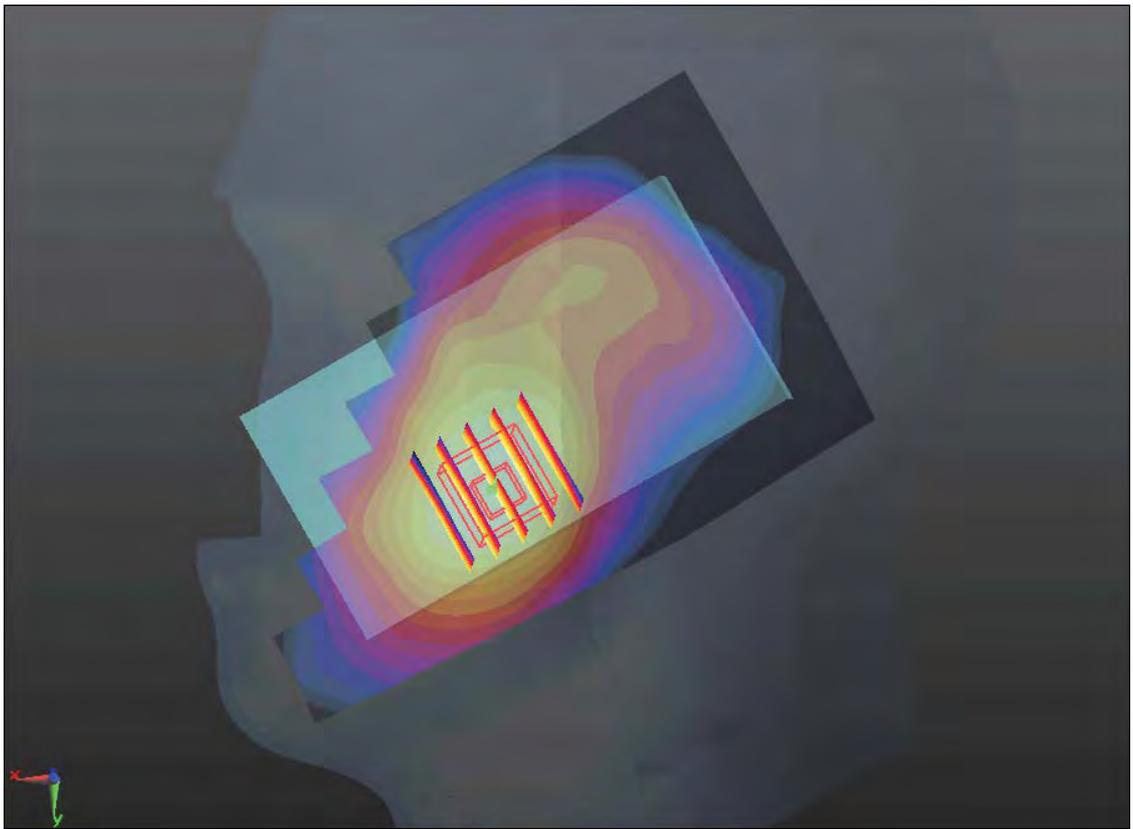
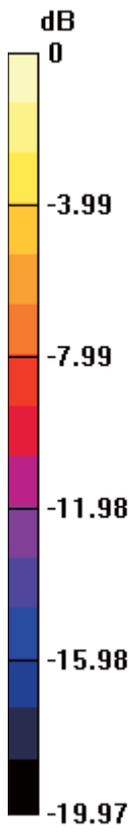
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.979 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.232 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.498 mW/g

Maximum value of SAR (measured) = 0.882 mW/g



0 dB = 0.880mW/g

#69 LTE Band 4_16QAM(1 0)_Right Check_20M_Ch20050_2D

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); 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

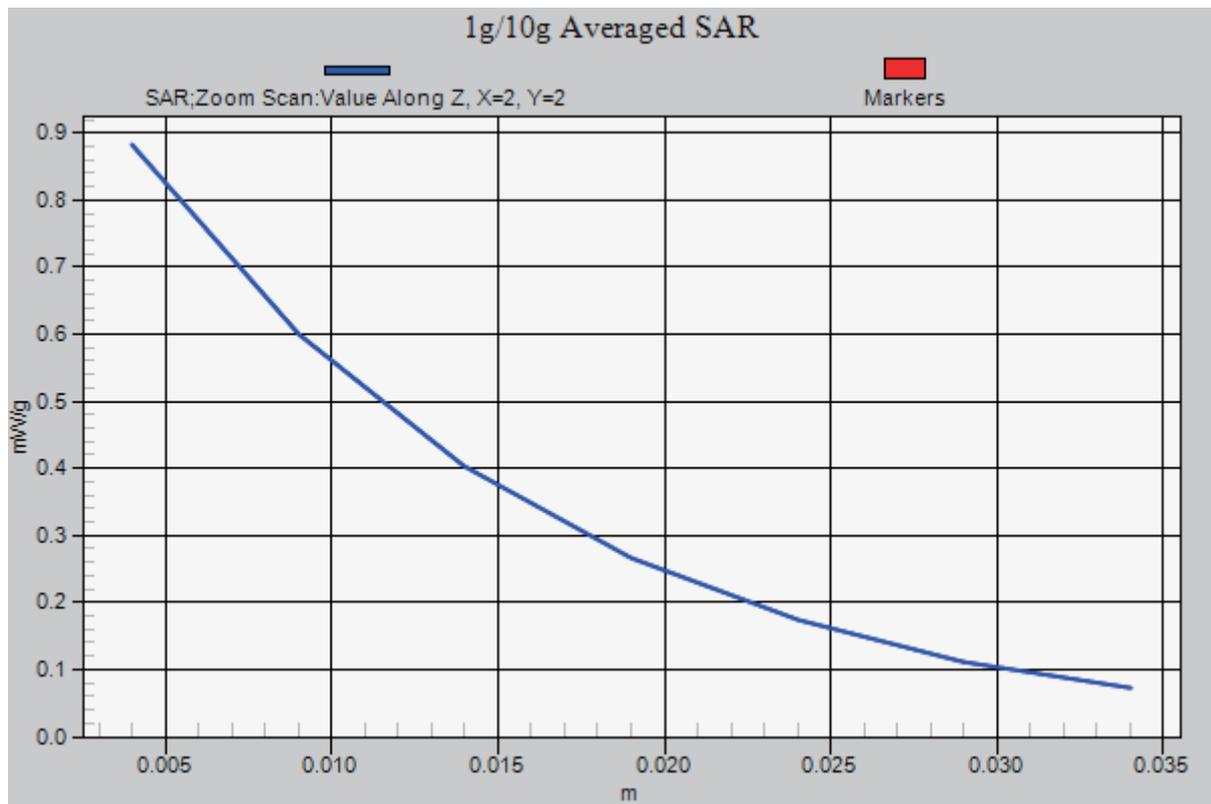
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.979 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.232 W/kg

SAR(1 g) = 0.816 mW/g; SAR(10 g) = 0.498 mW/g

Maximum value of SAR (measured) = 0.882 mW/g



#73 LTE Band 4_16QAM(1 99)_Right Check_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.940 mW/g

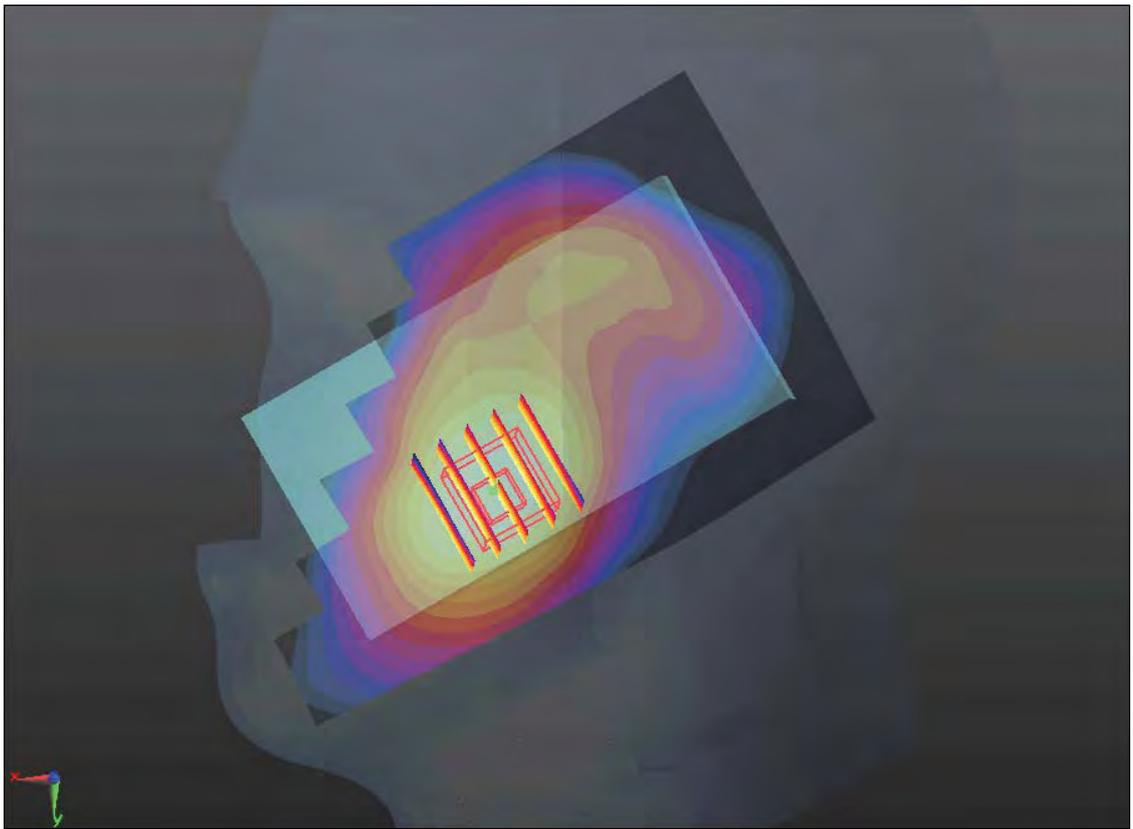
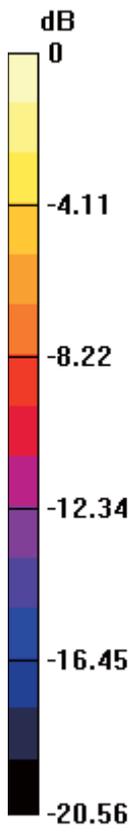
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.279 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.215 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.491 mW/g

Maximum value of SAR (measured) = 0.858 mW/g



0 dB = 0.860mW/g

#73 LTE Band 4_16QAM(1 99)_Right Check_20M_Ch20050_2D

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.940 mW/g

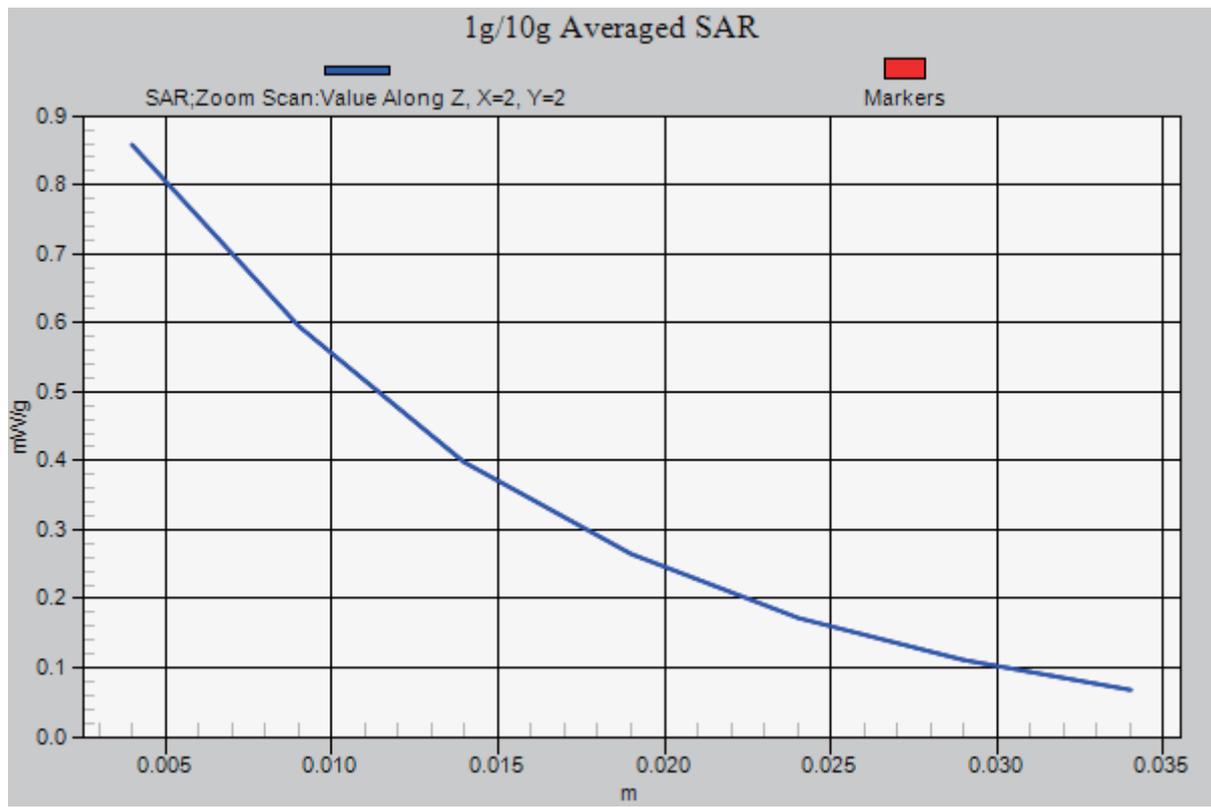
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.279 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.215 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.491 mW/g

Maximum value of SAR (measured) = 0.858 mW/g



#208 LTE Band 4_QPSK(1 99)_Right Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120811 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.383$ mho/m; $\epsilon_r =$

41.467; $\rho = 1000$ 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: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.341 mW/g

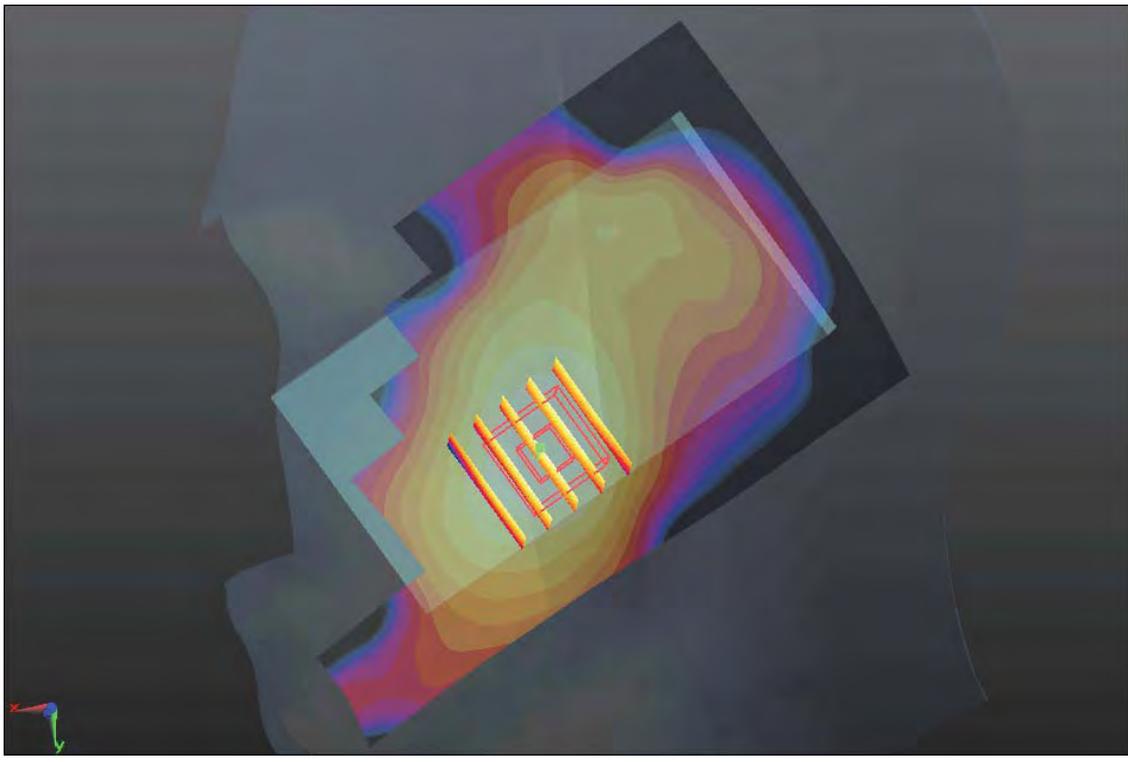
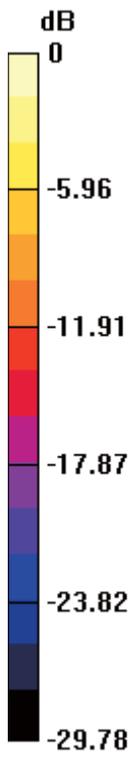
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.415 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.436 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.319 mW/g



0 dB = 0.320mW/g

#52 LTE Band 4_QPSK(50 25)_Right Tilted_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.304 mW/g

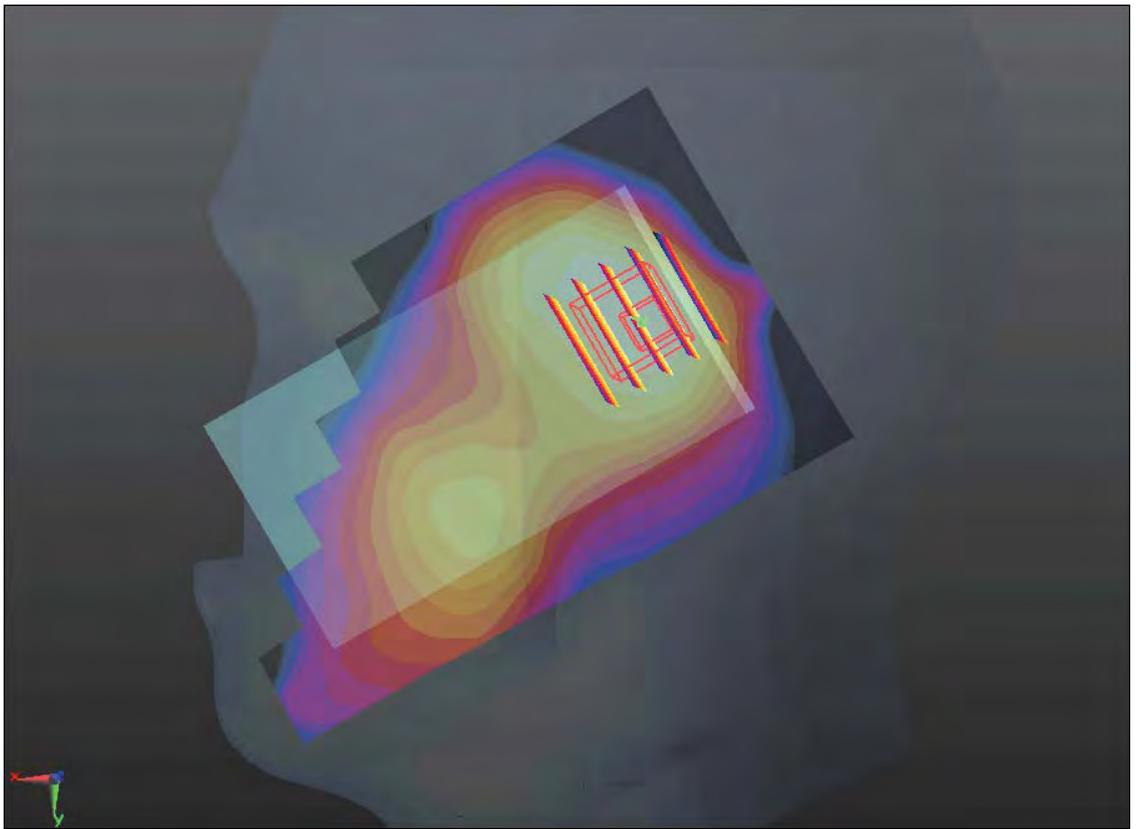
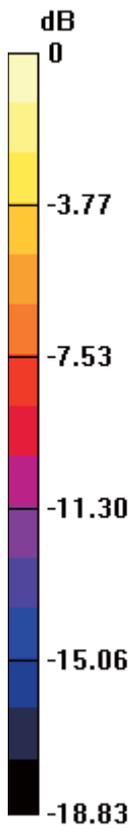
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.397 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.417 W/kg

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.286 mW/g



0 dB = 0.290mW/g

#58 LTE Band 4_QPSK(1 0)_Right Tilted_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.426 mW/g

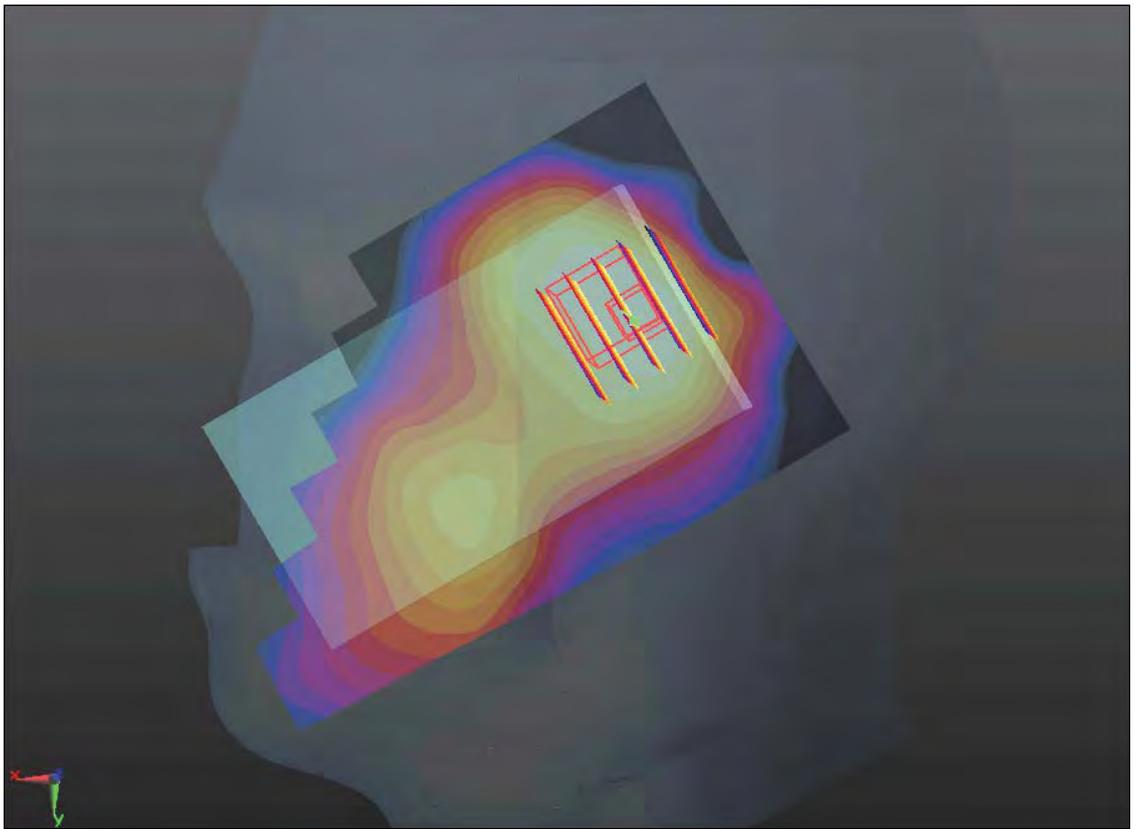
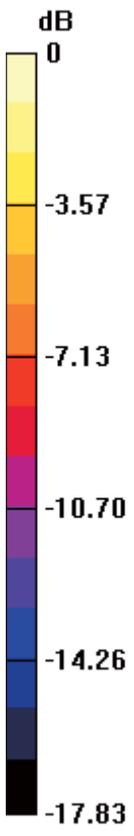
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.879 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.522 W/kg

SAR(1 g) = 0.345 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.373 mW/g



0 dB = 0.370mW/g

#62 LTE Band 4_QPSK(1 99)_Right Tilted_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.451 mW/g

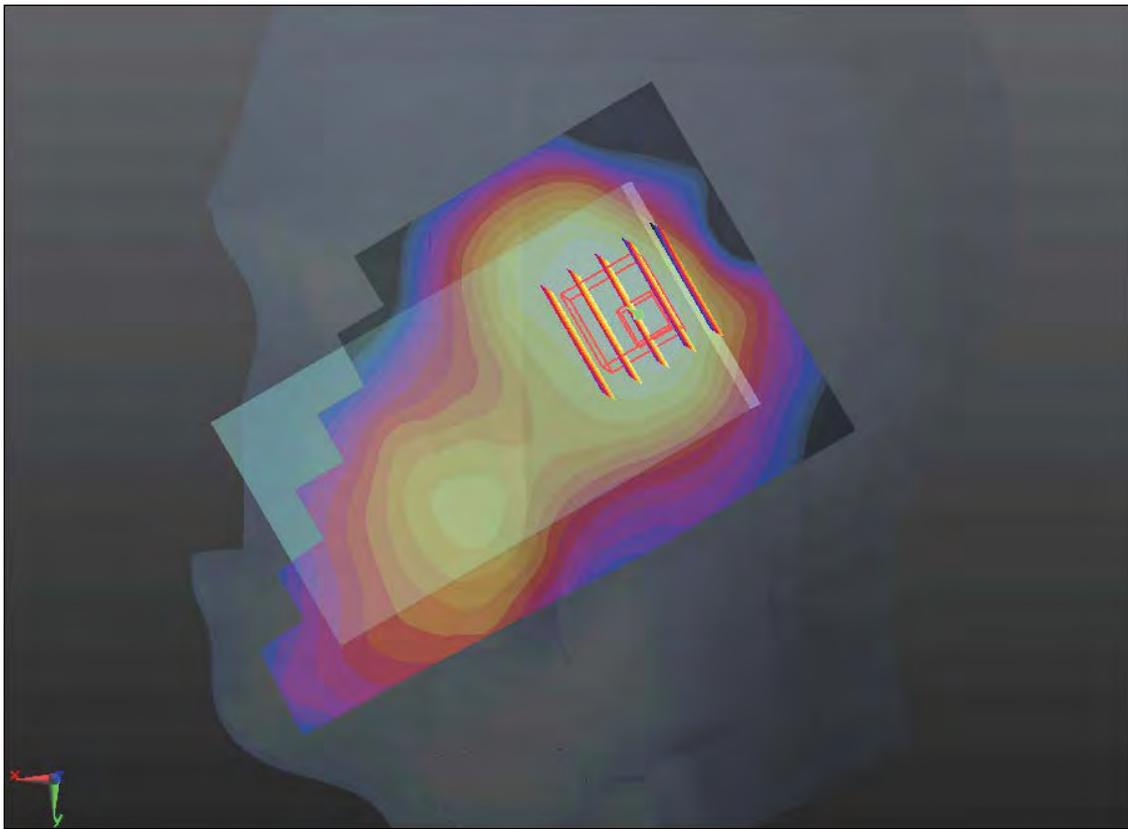
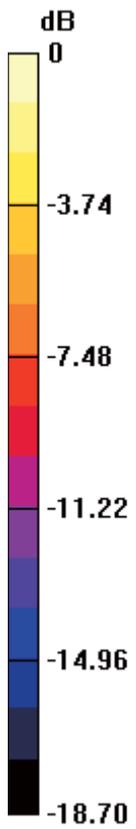
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.392 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.596 W/kg

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.236 mW/g

Maximum value of SAR (measured) = 0.409 mW/g



0 dB = 0.410mW/g

#66 LTE Band 4_16QAM(50 25)_Right Tilted_20M_Ch20300

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.274 mW/g

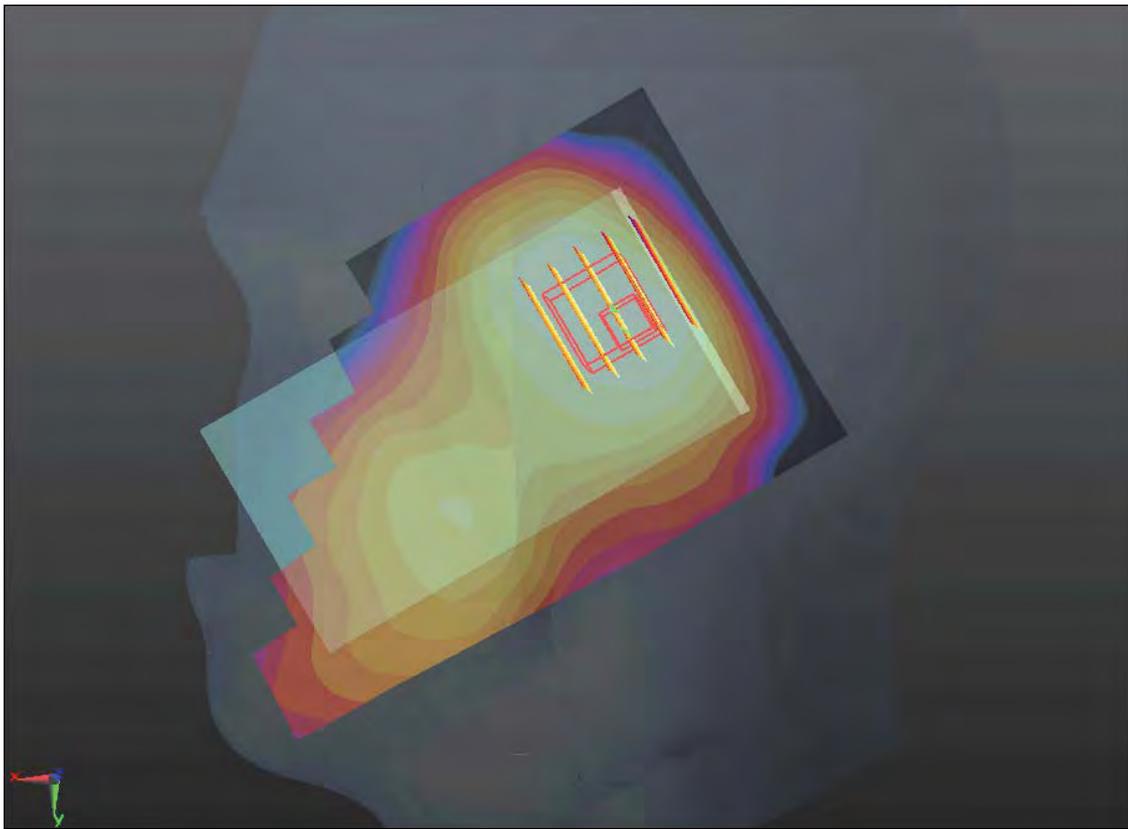
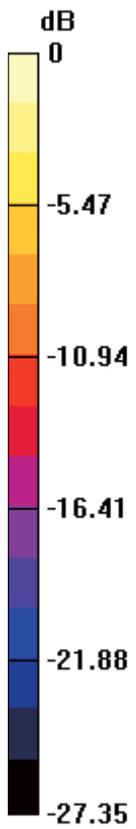
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.855 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.371 W/kg

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.251 mW/g



0 dB = 0.250mW/g

#70 LTE Band 4_16QAM(1 0)_Right Tilted_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.368 mW/g

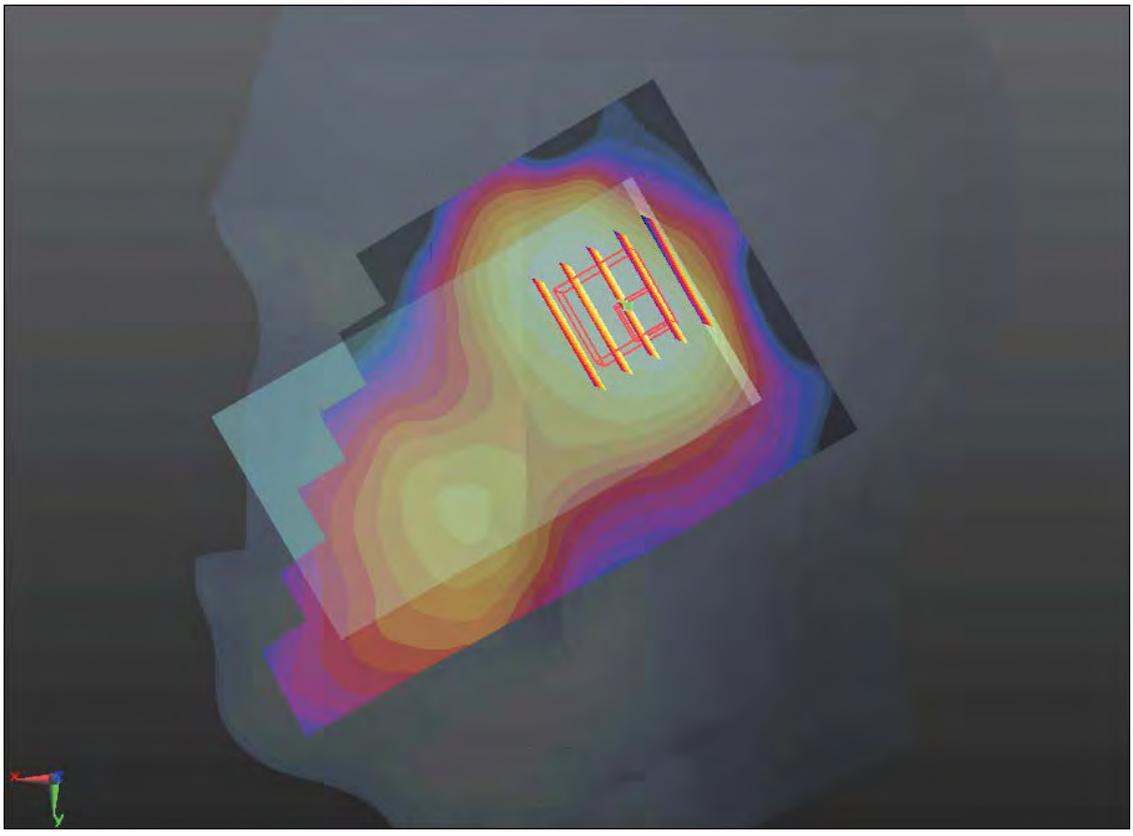
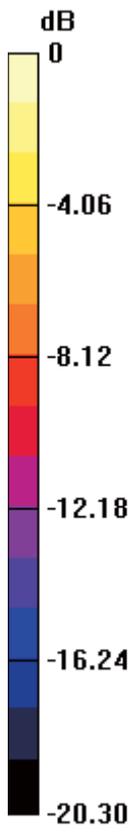
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.238 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.507 W/kg

SAR(1 g) = 0.318 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.337 mW/g



0 dB = 0.340mW/g

#74 LTE Band 4_16QAM(1 99)_Right Tilted_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.336 mW/g

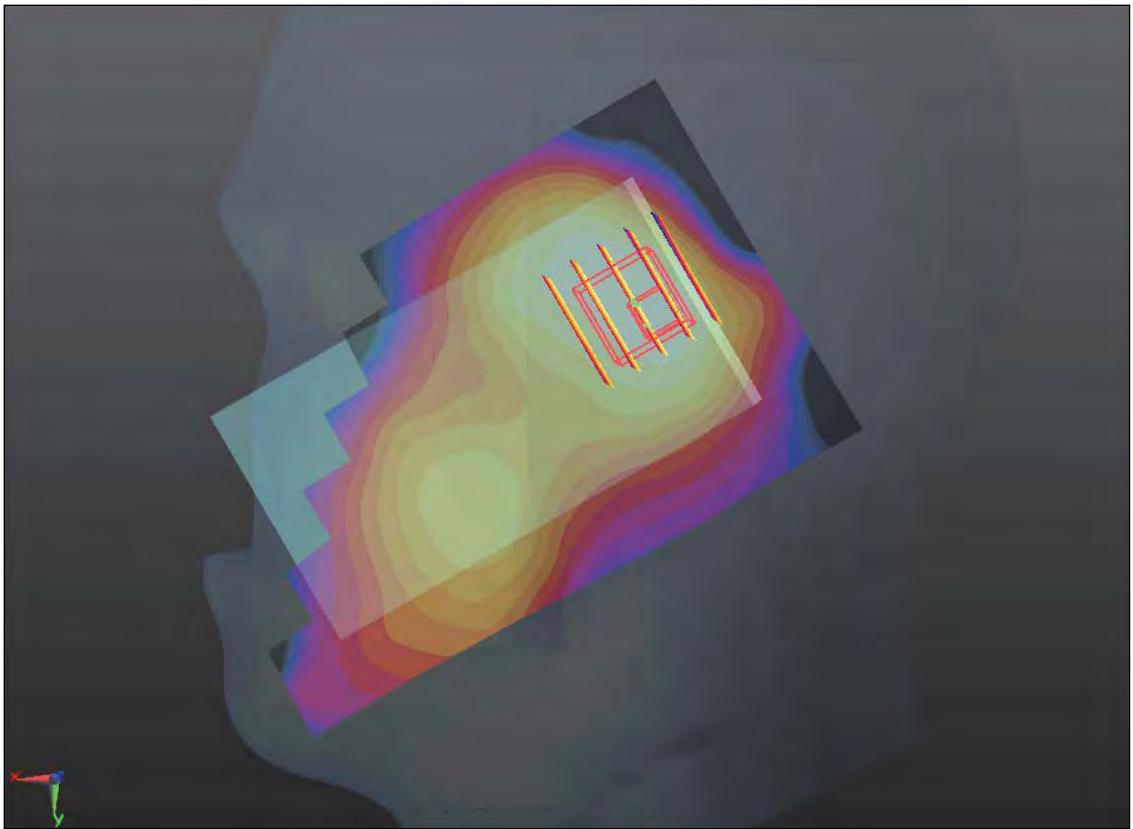
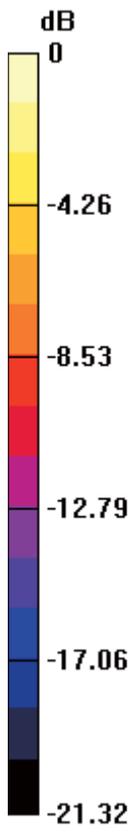
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.229 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.482 W/kg

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.179 mW/g

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



0 dB = 0.310mW/g

#53 LTE Band 4_QPSK(50 25)_Left Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.455 mW/g

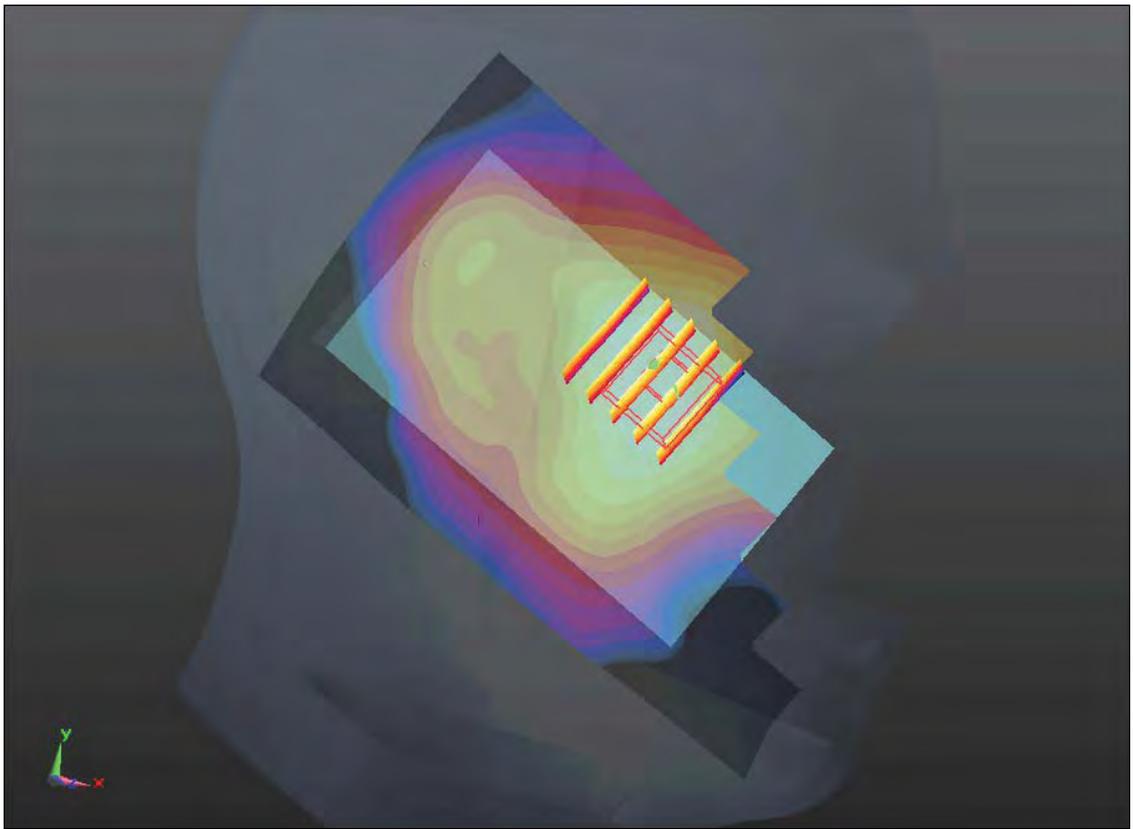
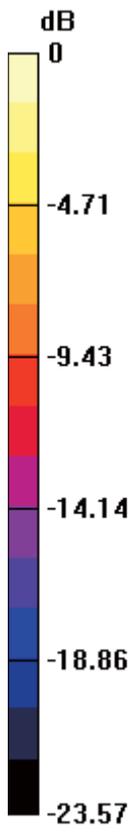
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.454 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.607 W/kg

SAR(1 g) = 0.425 mW/g; SAR(10 g) = 0.273 mW/g

Maximum value of SAR (measured) = 0.450 mW/g



0 dB = 0.450mW/g

#59 LTE Band 4_QPSK(1 0)_Left Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.538 mW/g

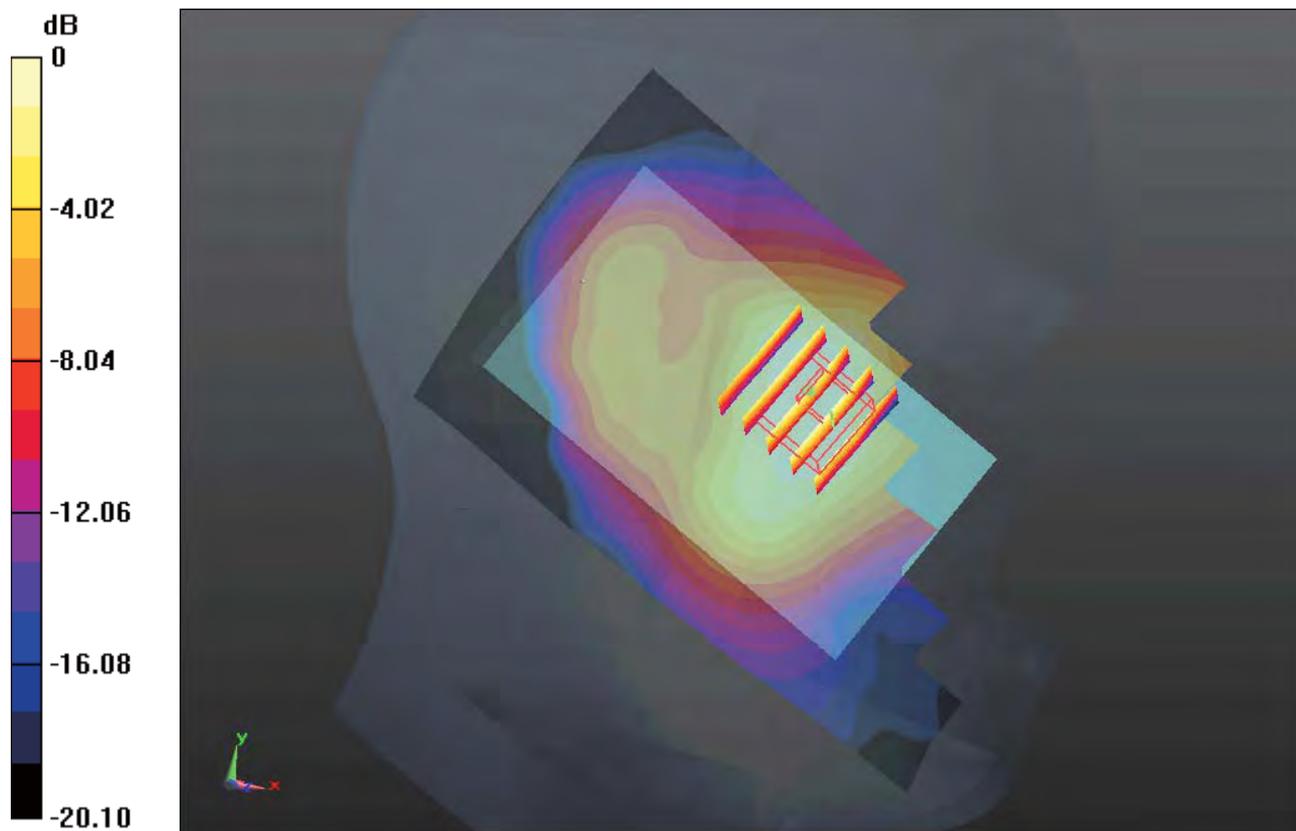
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.653 V/m; Power Drift = -0.0067 dB

Peak SAR (extrapolated) = 0.759 W/kg

SAR(1 g) = 0.522 mW/g; SAR(10 g) = 0.336 mW/g

Maximum value of SAR (measured) = 0.542 mW/g



0 dB = 0.540mW/g

#63 LTE Band 4_QPSK(1 99)_Left Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.621 mW/g

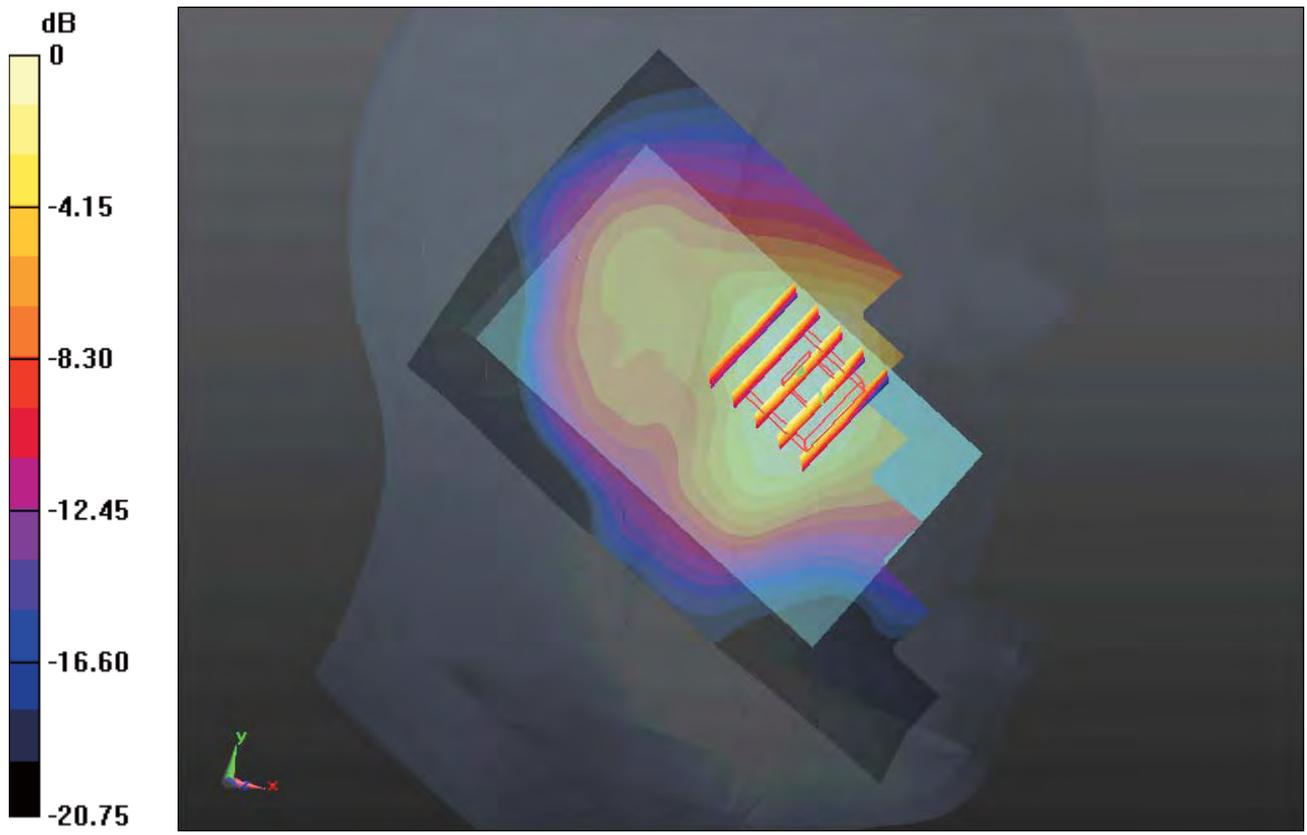
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.211 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.876 W/kg

SAR(1 g) = 0.596 mW/g; SAR(10 g) = 0.377 mW/g

Maximum value of SAR (measured) = 0.620 mW/g



0 dB = 0.620mW/g

#67 LTE Band 4_16QAM(50 25)_Left Check_20M_Ch20300

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.383 mW/g

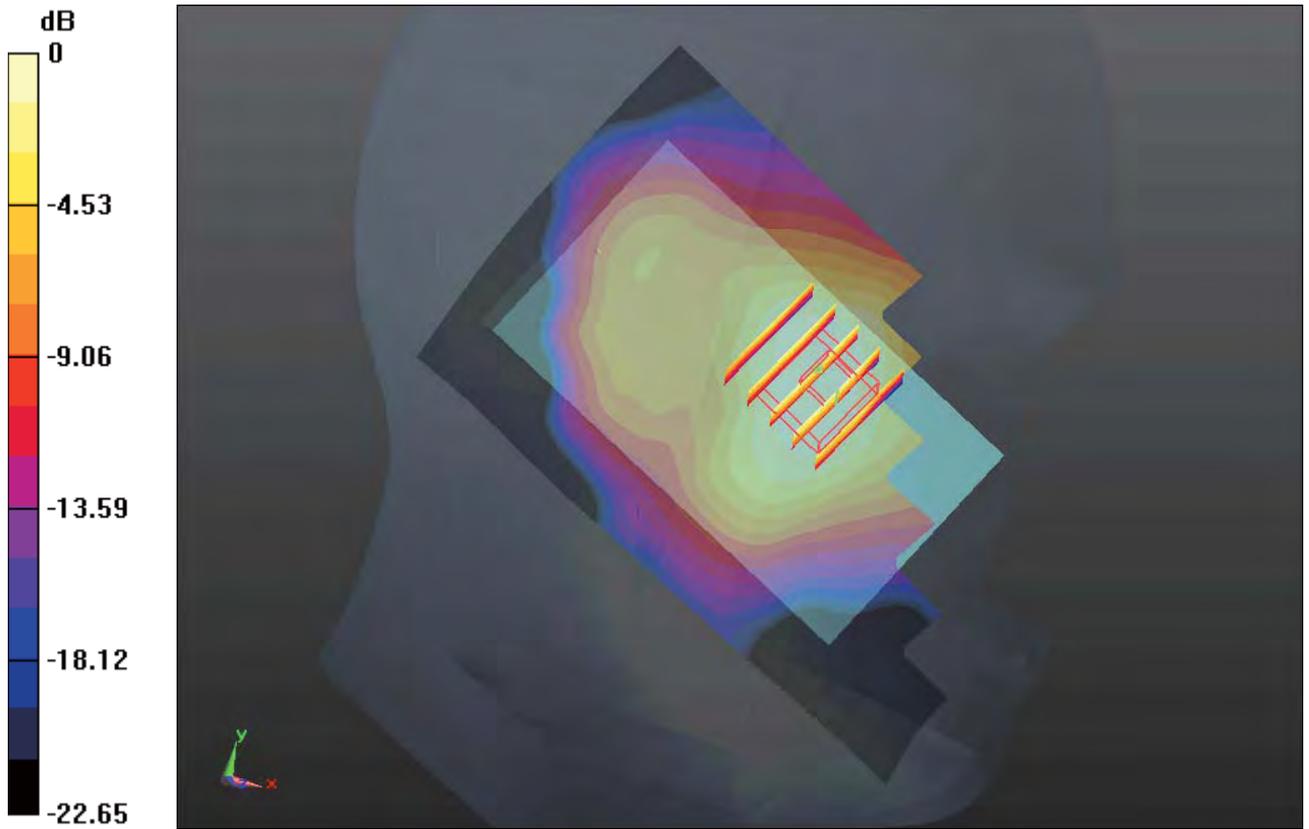
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.194 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.518 W/kg

SAR(1 g) = 0.357 mW/g; SAR(10 g) = 0.227 mW/g

Maximum value of SAR (measured) = 0.374 mW/g



0 dB = 0.370mW/g

#71 LTE Band 4_16QAM(1 0)_Left Check_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.466 mW/g

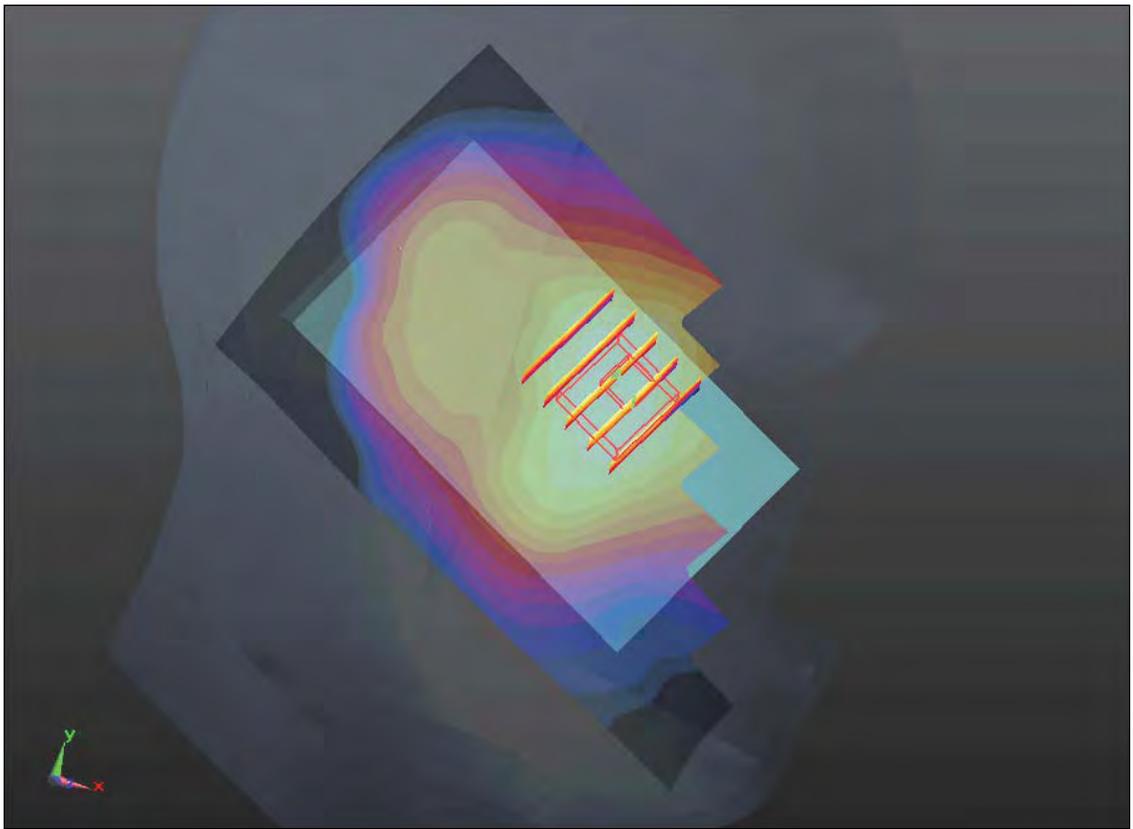
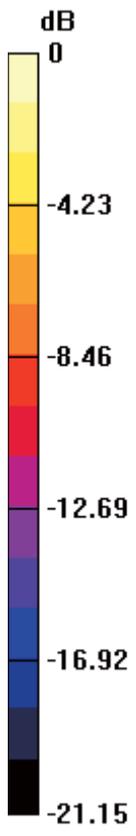
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.086 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.624 W/kg

SAR(1 g) = 0.437 mW/g; SAR(10 g) = 0.280 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



0 dB = 0.460mW/g

#75 LTE Band 4_16QAM(1 99)_Left Check_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.457 mW/g

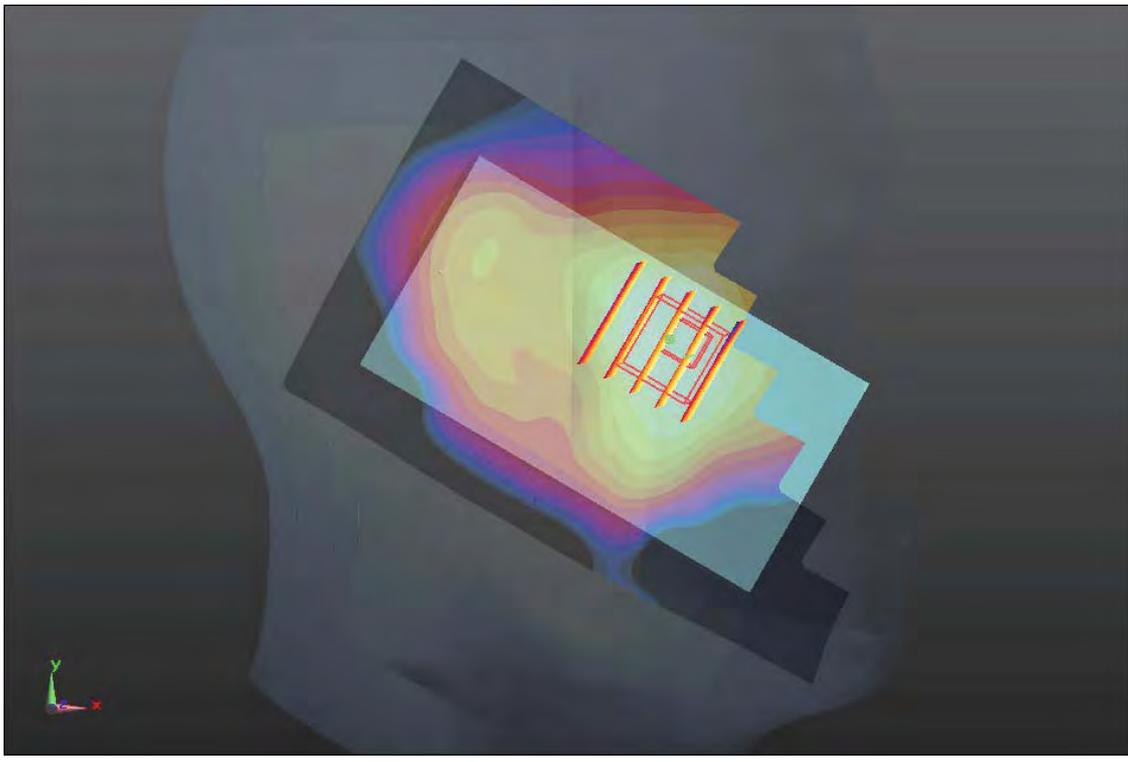
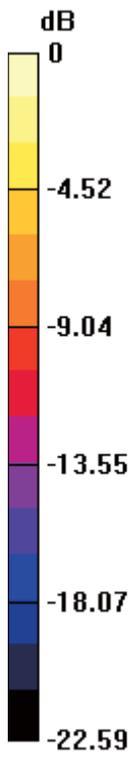
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.986 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.611 W/kg

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.270 mW/g

Maximum value of SAR (measured) = 0.435 mW/g



0 dB = 0.430mW/g

#213 LTE Band 4_QPSK(1 99)_Left Check_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120811 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.383$ mho/m; $\epsilon_r =$

41.467; $\rho = 1000$ 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: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.174 mW/g

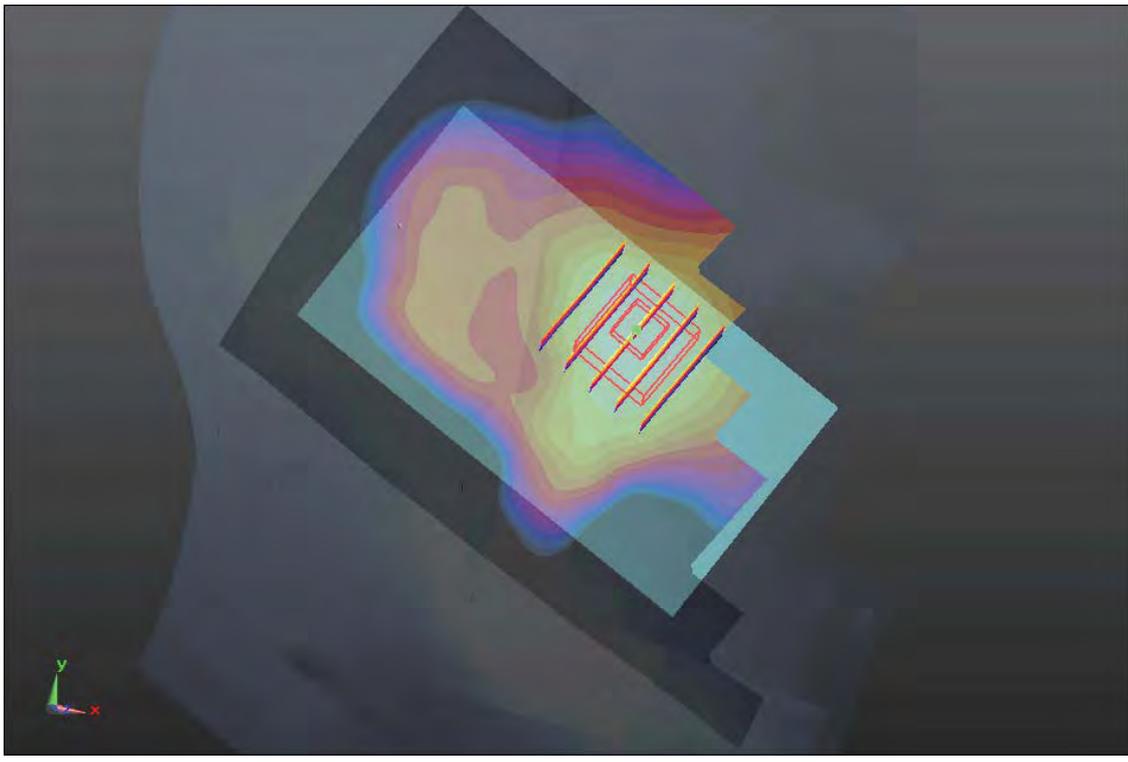
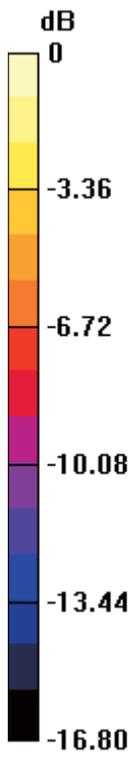
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.107 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.219 W/kg

SAR(1 g) = 0.157 mW/g; SAR(10 g) = 0.099 mW/g

Maximum value of SAR (measured) = 0.168 mW/g



0 dB = 0.170mW/g

#54 LTE Band 4_QPSK(50 25)_Left Tilted_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.282 mW/g

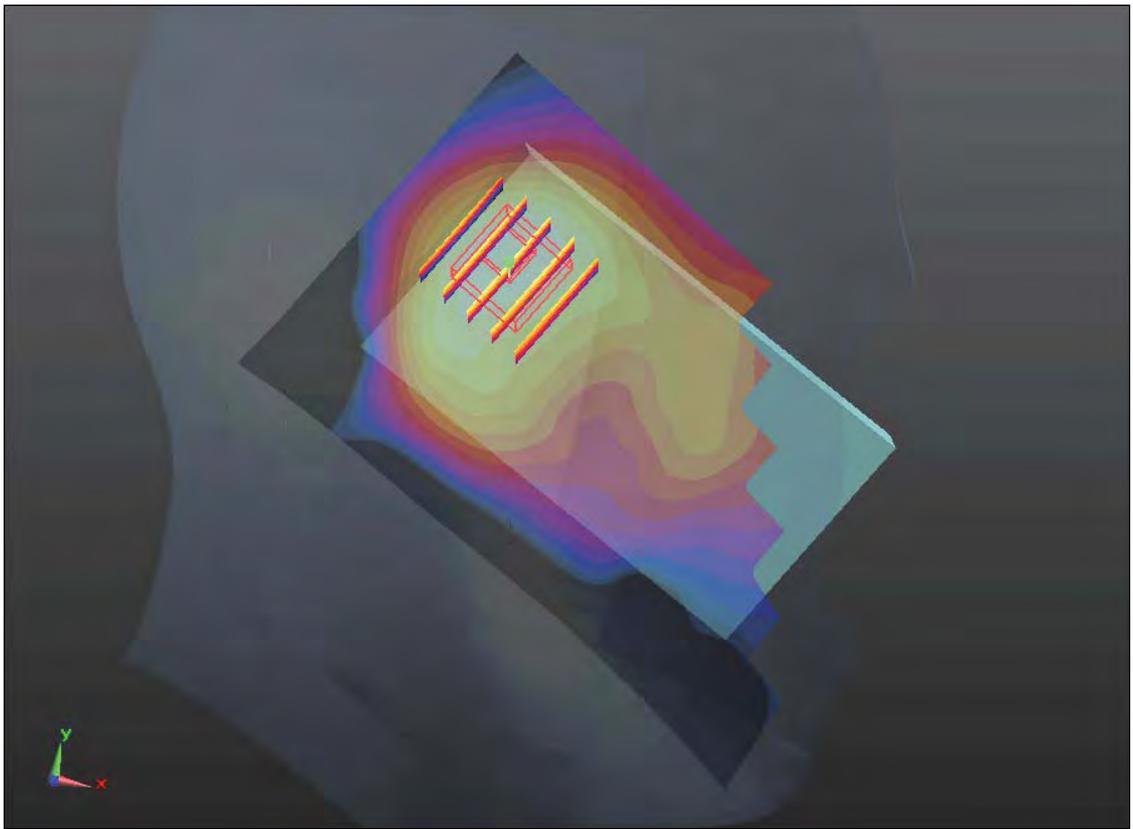
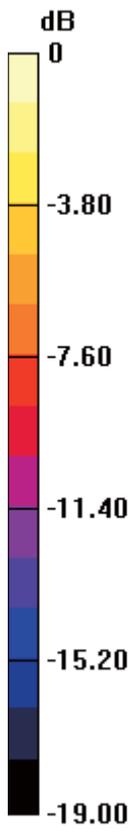
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.732 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.270 mW/g



0 dB = 0.270mW/g

#60 LTE Band 4_QPSK(1 0)_Left Tilted_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.382 mW/g

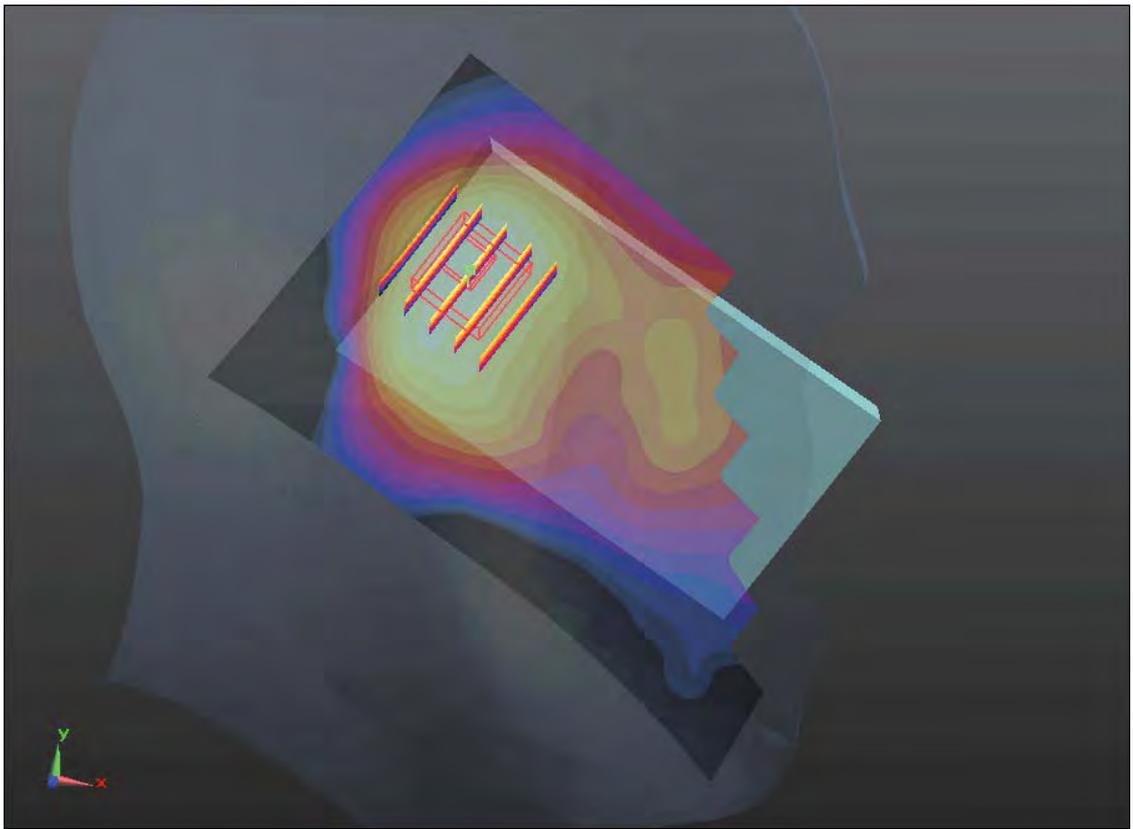
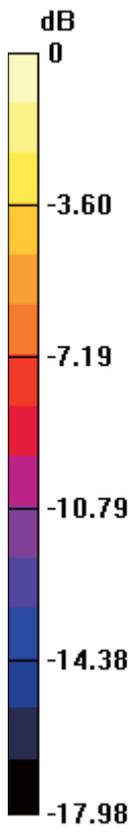
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.308 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.529 W/kg

SAR(1 g) = 0.334 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.361 mW/g



0 dB = 0.360mW/g

#64 LTE Band 4_QPSK(1 99)_Left Tilted_20M_Ch20175

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1732.5$ MHz; $\sigma = 1.368$ mho/m; $\epsilon_r =$

40.922; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

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

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.442 mW/g

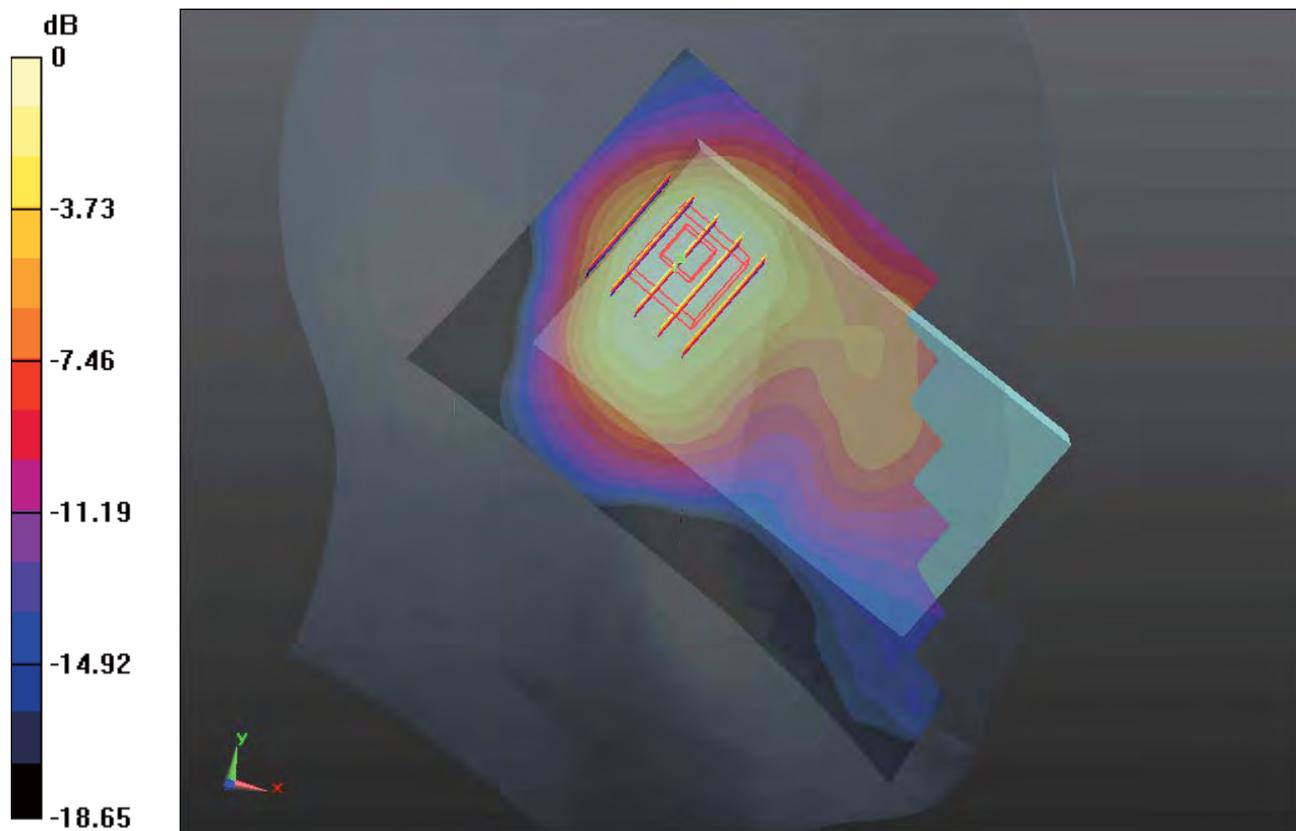
Ch20175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.533 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.628 W/kg

SAR(1 g) = 0.393 mW/g; SAR(10 g) = 0.238 mW/g

Maximum value of SAR (measured) = 0.422 mW/g



0 dB = 0.420mW/g

#68 LTE Band 4_16QAM(50 25)_Left Tilted_20M_Ch20300

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1745$ MHz; $\sigma = 1.38$ mho/m; $\epsilon_r =$

40.882; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.267 mW/g

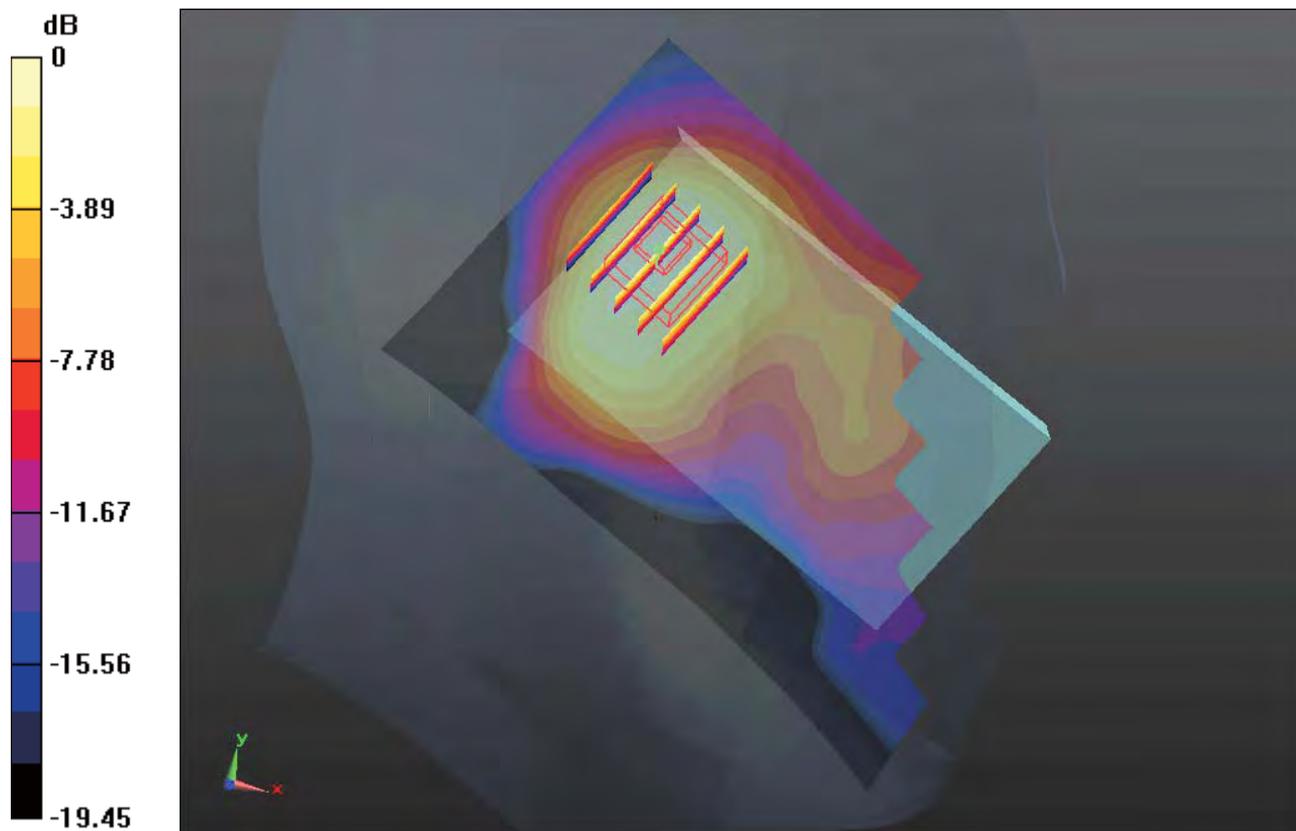
Ch20300/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.156 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.362 W/kg

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.254 mW/g



0 dB = 0.250mW/g

#72 LTE Band 4_16QAM(1 0)_Left Tilted_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.338 mW/g

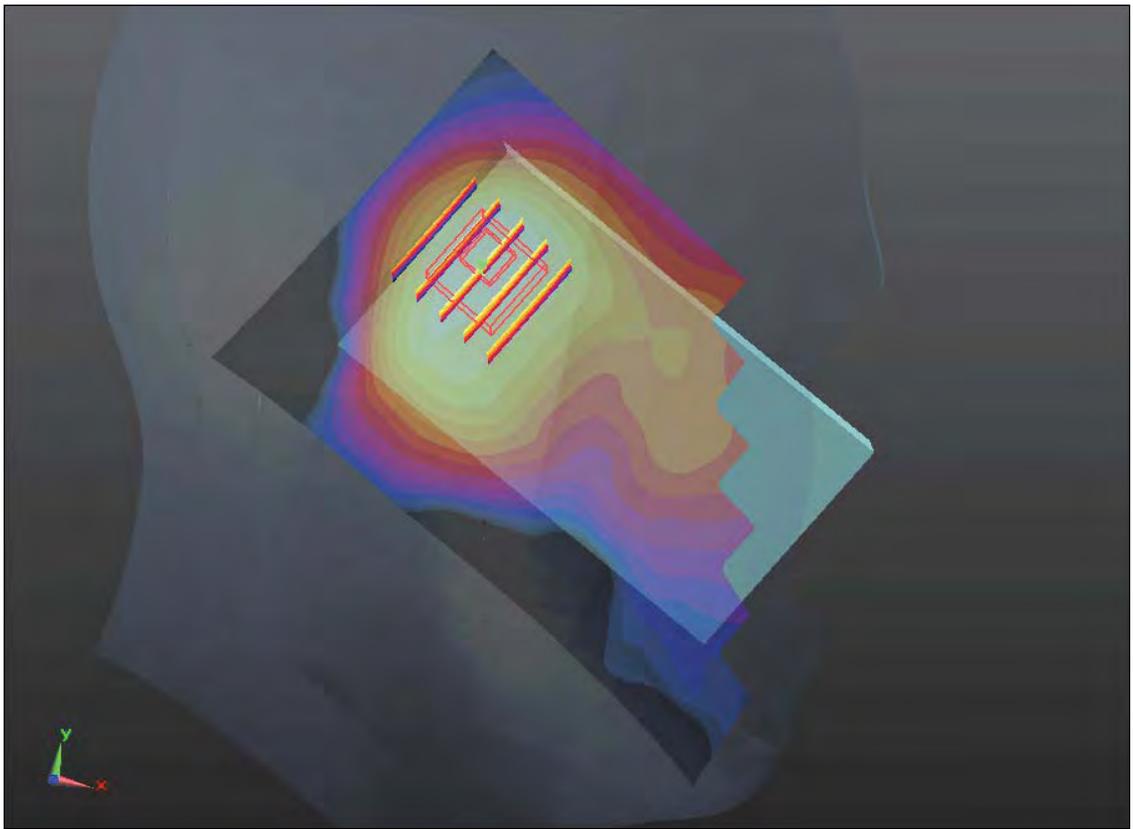
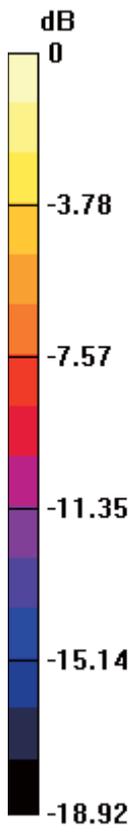
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.138 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.464 W/kg

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.314 mW/g



0 dB = 0.310mW/g

#76 LTE Band 4_16QAM(1 99)_Left Tilted_20M_Ch20050

DUT: 271302

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

Medium: HSL_1750_120728 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.356$ mho/m; $\epsilon_r =$

40.961; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(8.14, 8.14, 8.14); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.306 mW/g

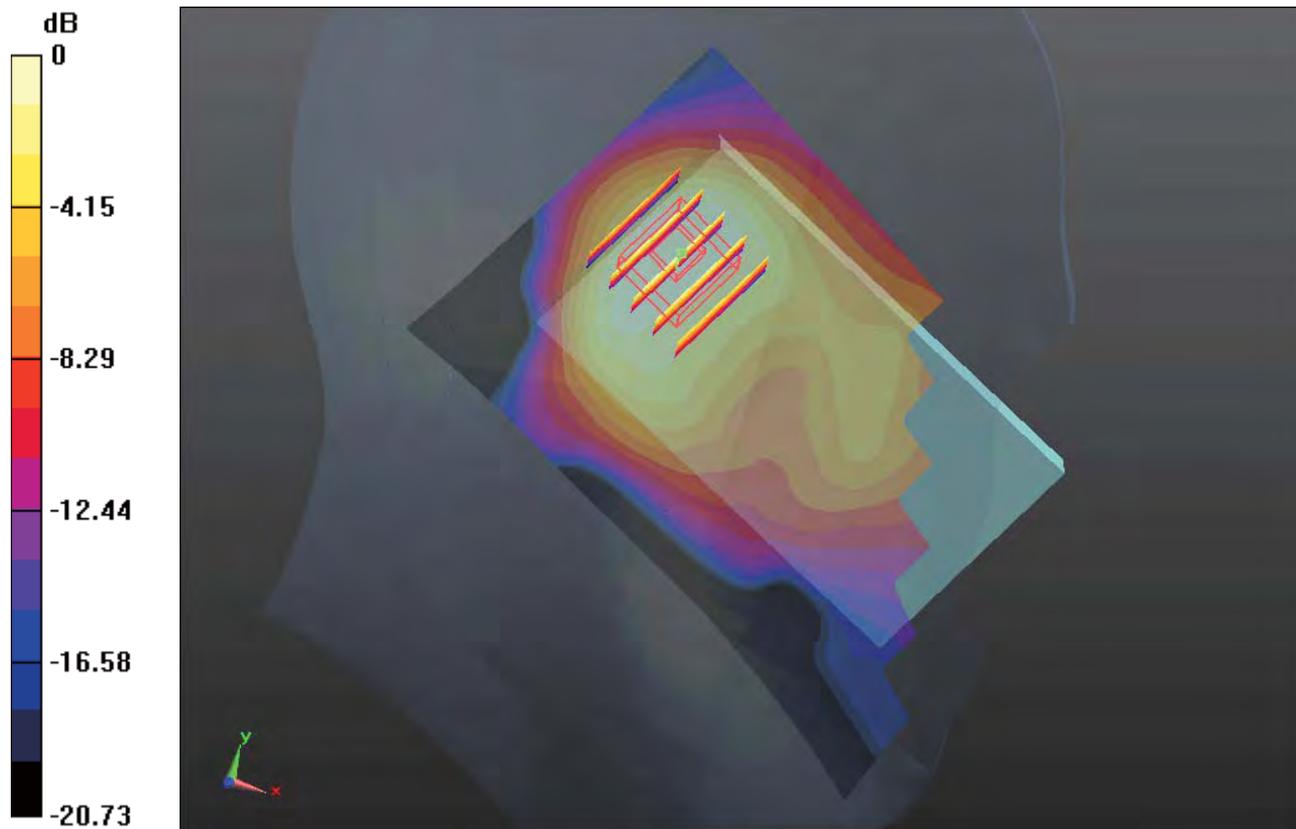
Ch20050/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.215 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.378 W/kg

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.264 mW/g



0 dB = 0.260mW/g

#194 802.11b_Right Cheek_1M_Ch1

DUT: 271302

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

Medium: HSL_2450_120810 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.815$ mho/m; $\epsilon_r =$

37.813 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.320 mW/g

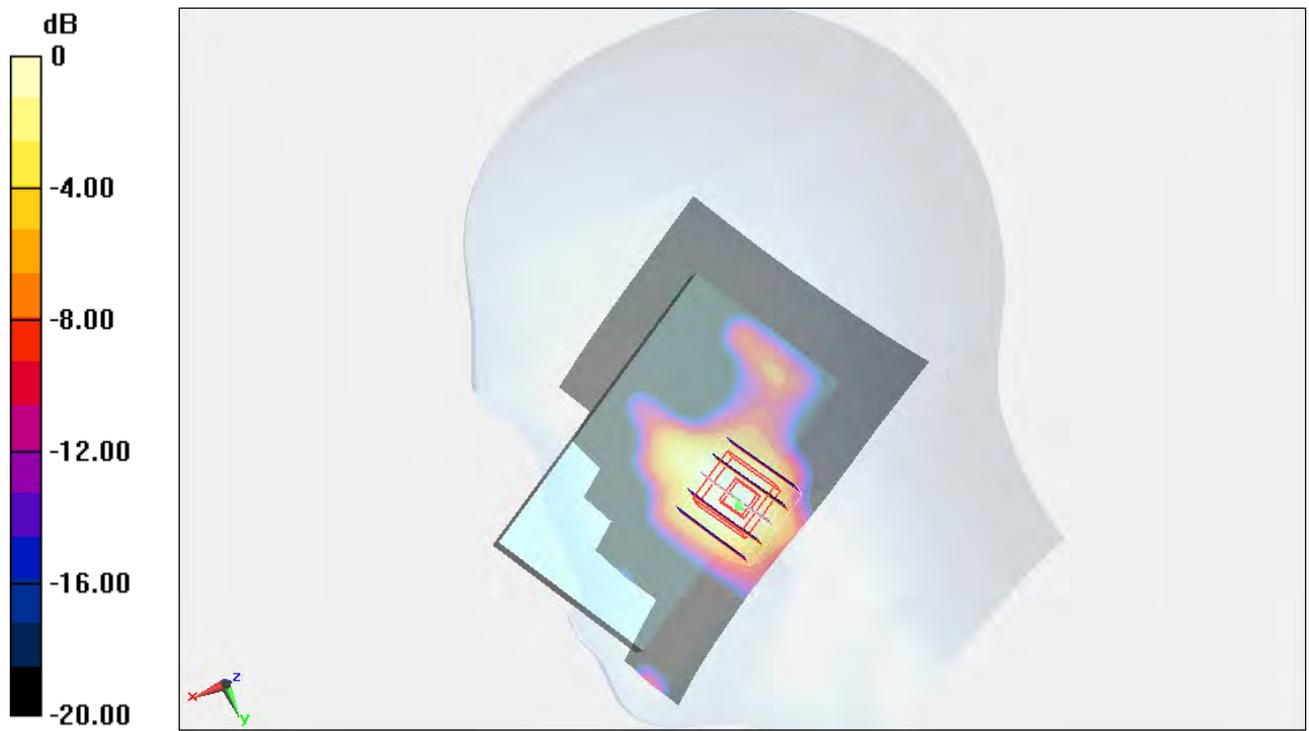
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.862 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.134 mW/g

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



0 dB = 0.290mW/g

#194 802.11b_Right Cheek_1M_Ch1_2D

DUT: 271302

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

Medium: HSL_2450_120810 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.815$ mho/m; $\epsilon_r =$

37.813 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.320 mW/g

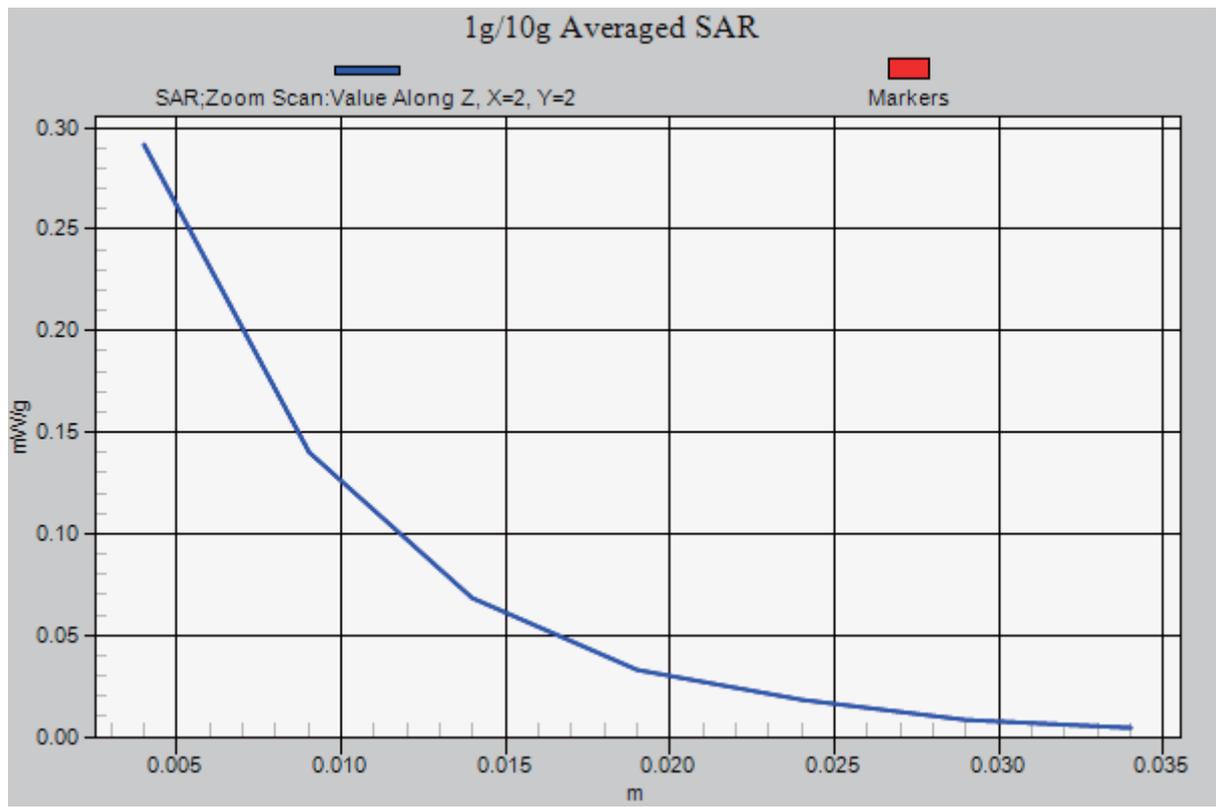
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.862 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.567 W/kg

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.134 mW/g

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



#195 802.11b_Right Tilted_1M_Ch1

DUT: 271302

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

Medium: HSL_2450_120810 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.815$ mho/m; $\epsilon_r =$

37.813 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.130 mW/g

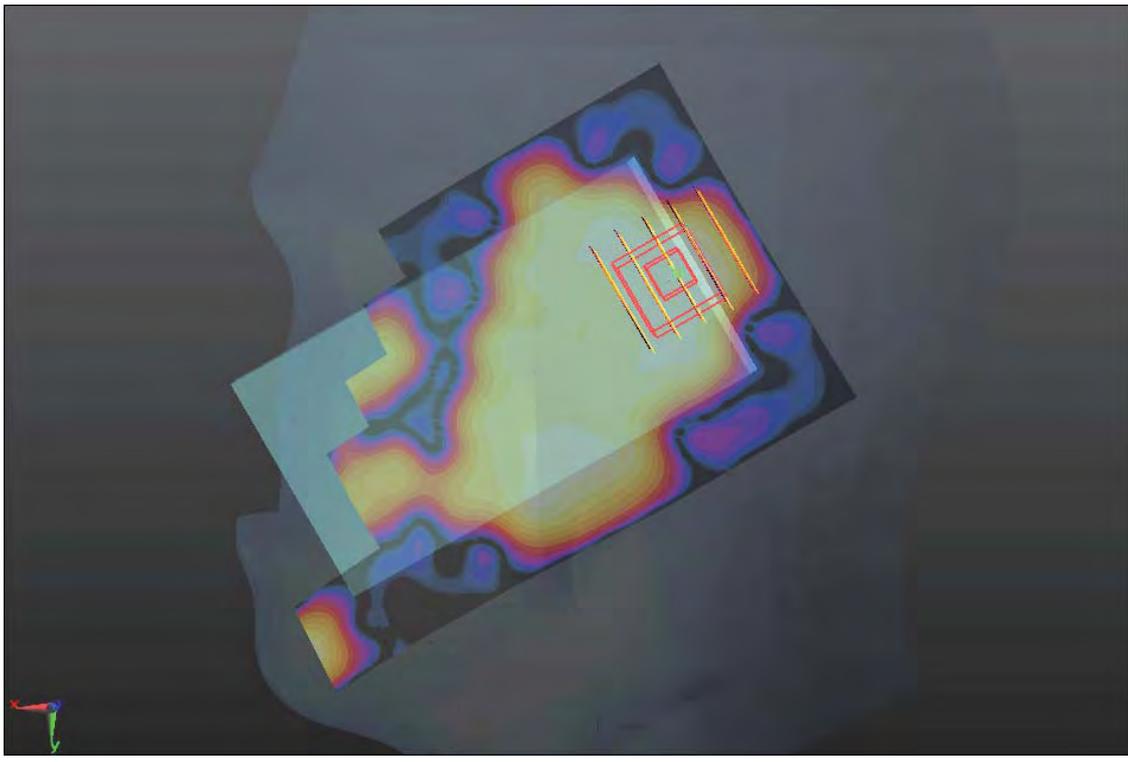
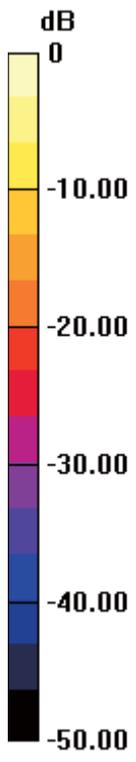
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.320 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.060 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.069 mW/g



0 dB = 0.070mW/g

#196 802.11b_Left Cheek_1M_Ch1

DUT: 271302

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

Medium: HSL_2450_120810 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.815$ mho/m; $\epsilon_r =$

37.813 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.307 mW/g

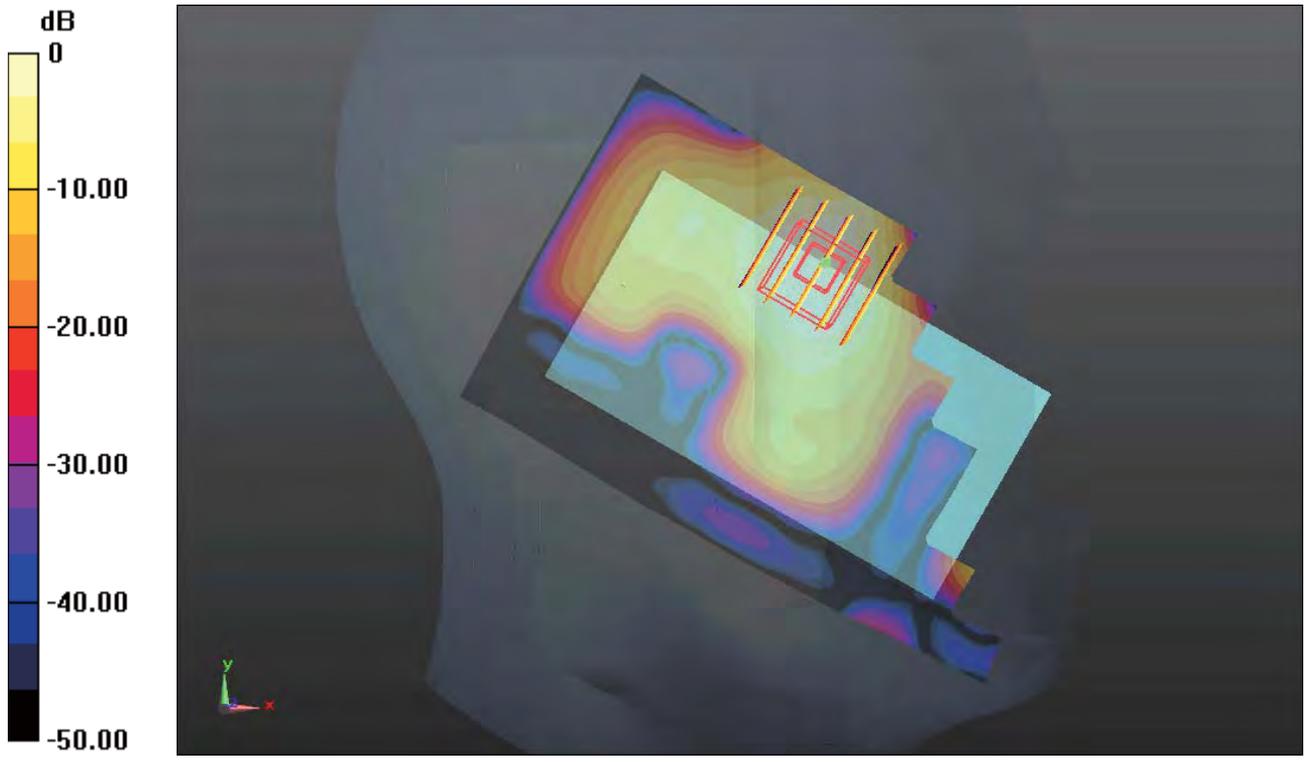
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.874 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.521 W/kg

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.292 mW/g



0 dB = 0.290mW/g

#197 802.11b_Left Tilted_1M_Ch1

DUT: 271302

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

Medium: HSL_2450_120810 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.815$ mho/m; $\epsilon_r =$

37.813 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(6.87, 6.87, 6.87); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.094 mW/g

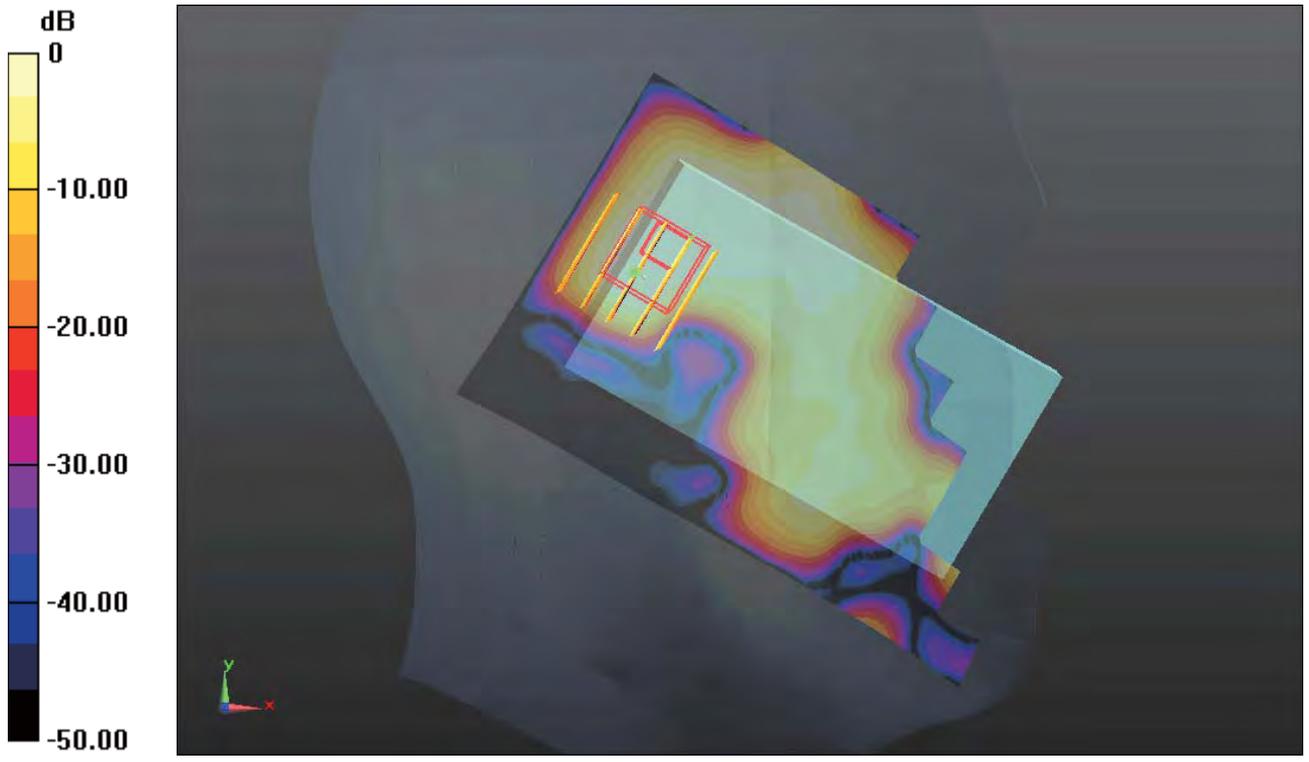
Ch1/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.471 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.102 W/kg

SAR(1 g) = 0.056 mW/g; SAR(10 g) = 0.026 mW/g

Maximum value of SAR (measured) = 0.062 mW/g



0 dB = 0.060mW/g

#93 CDMA2000 BC1_RTAP 153.6_Front_1cm_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120729 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r =$

53.834; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.863 mW/g

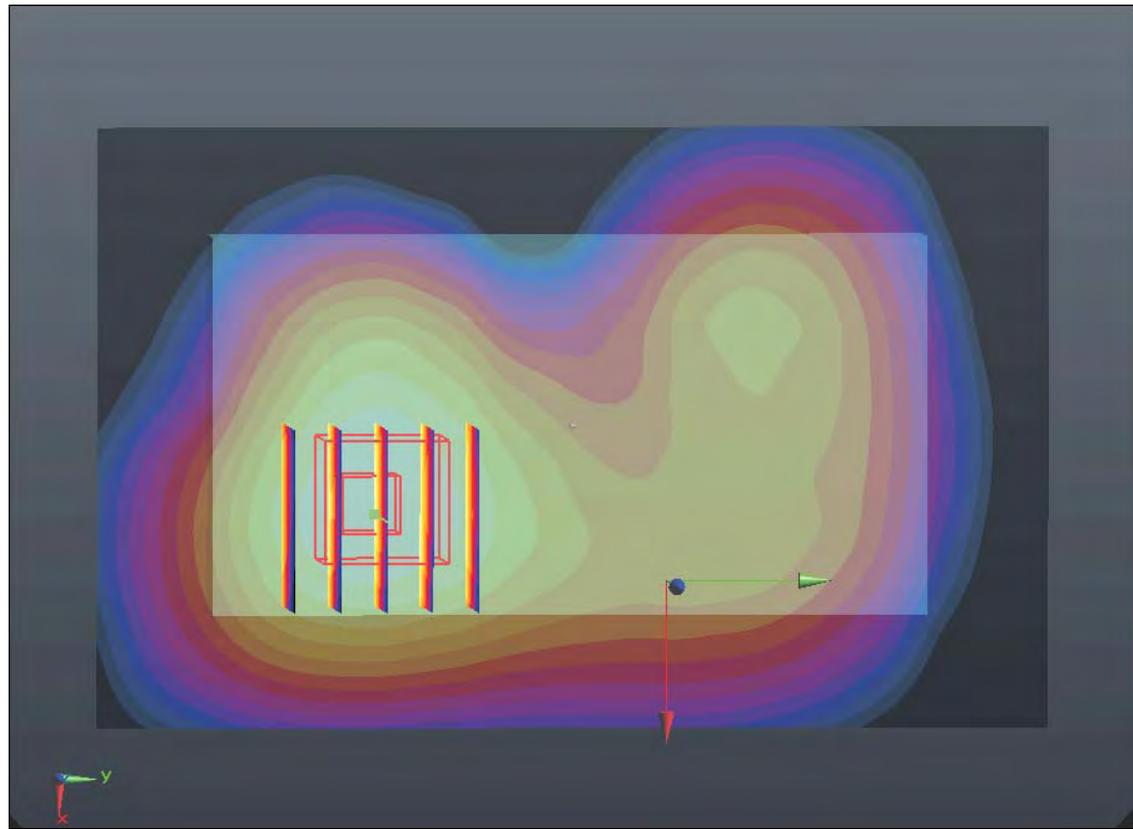
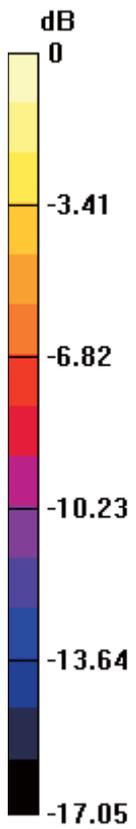
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.203 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.099 W/kg

SAR(1 g) = 0.739 mW/g; SAR(10 g) = 0.457 mW/g

Maximum value of SAR (measured) = 0.797 mW/g



0 dB = 0.800mW/g

#217 CDMA2000_BC1_RTAP153.6_Front_1cm_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ mho/m; $\epsilon_r =$

54.703 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.101 mW/g

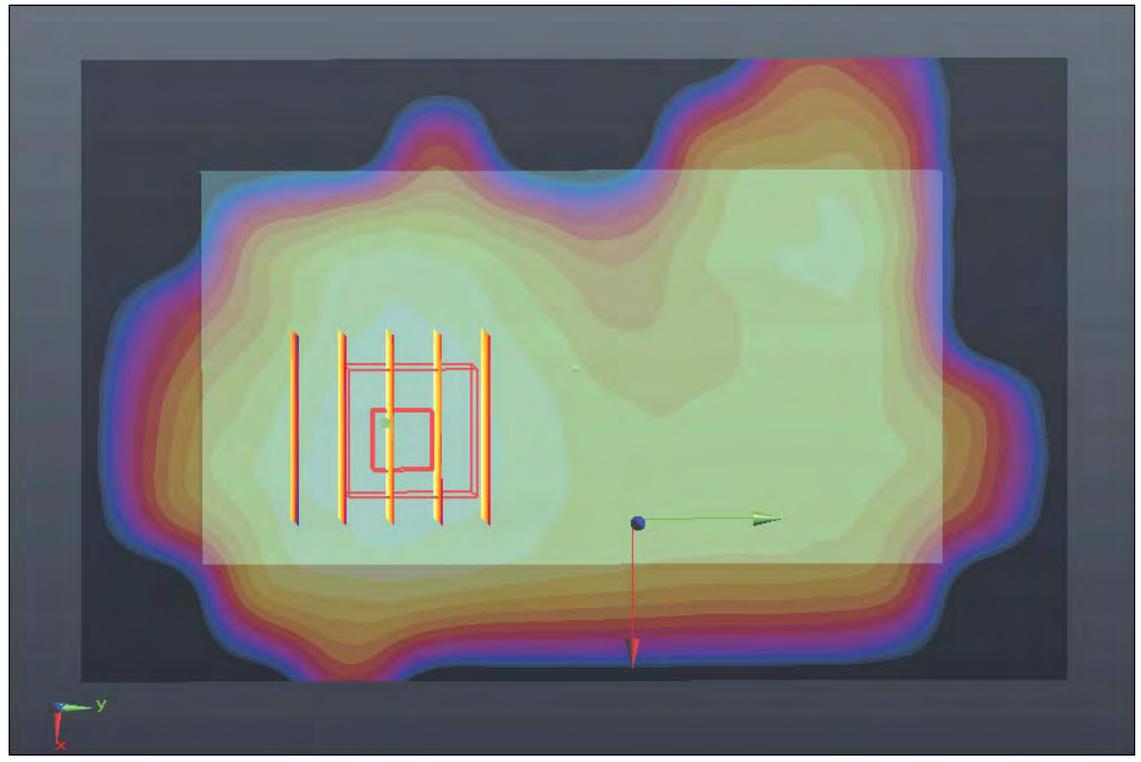
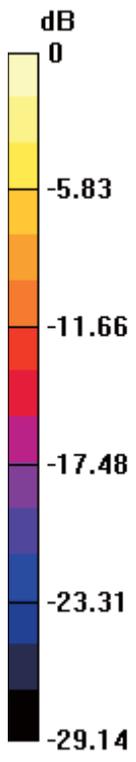
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.801 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.147 W/kg

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.105 mW/g



0 dB = 0.110mW/g

#94 CDMA2000 BC1_RTAP 153.6_Back_1cm_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120729 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r =$

53.834 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.173 mW/g

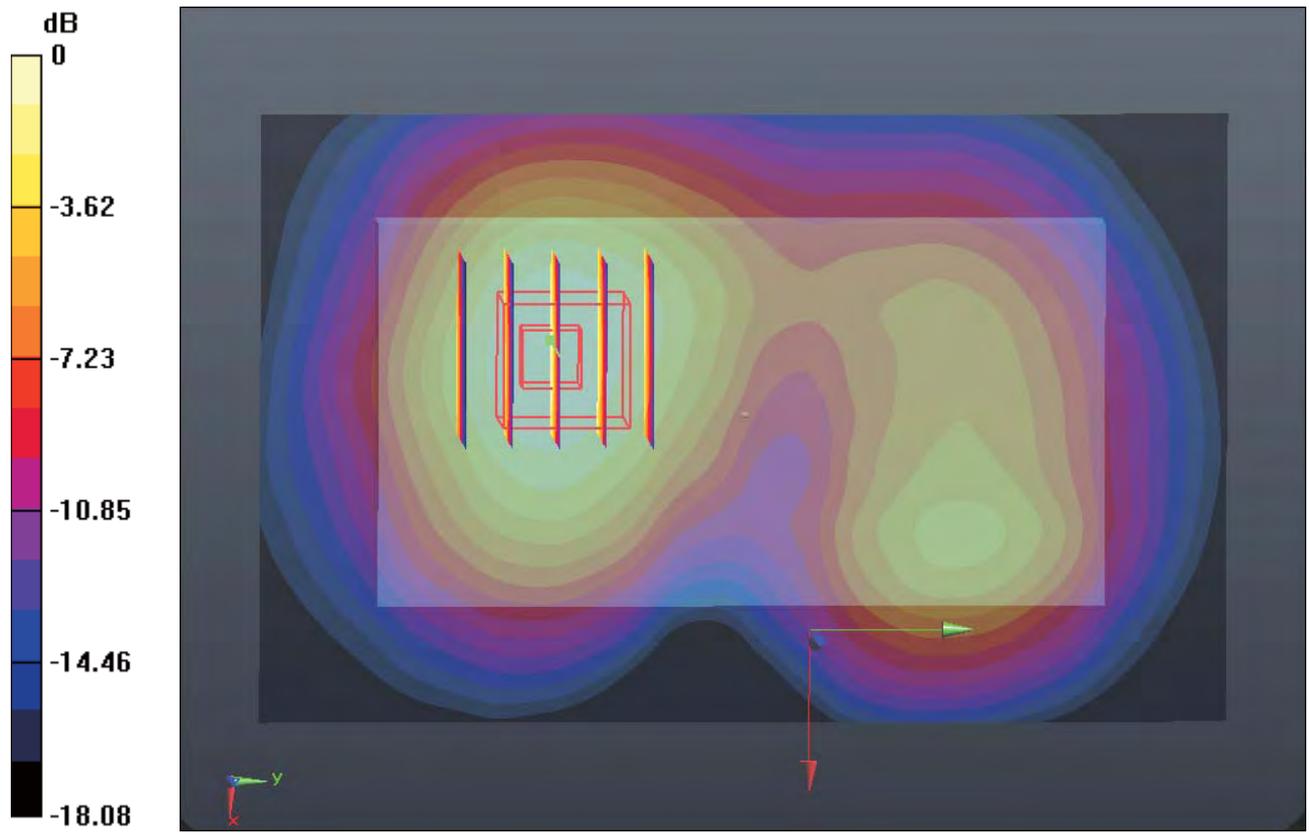
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.930 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.557 W/kg

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.625 mW/g

Maximum value of SAR (measured) = 1.107 mW/g



0 dB = 1.110mW/g

#97 CDMA2000 BC1_RTAP 153.6_Back_1cm_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120729 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r =$

53.878 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 1.197 mW/g

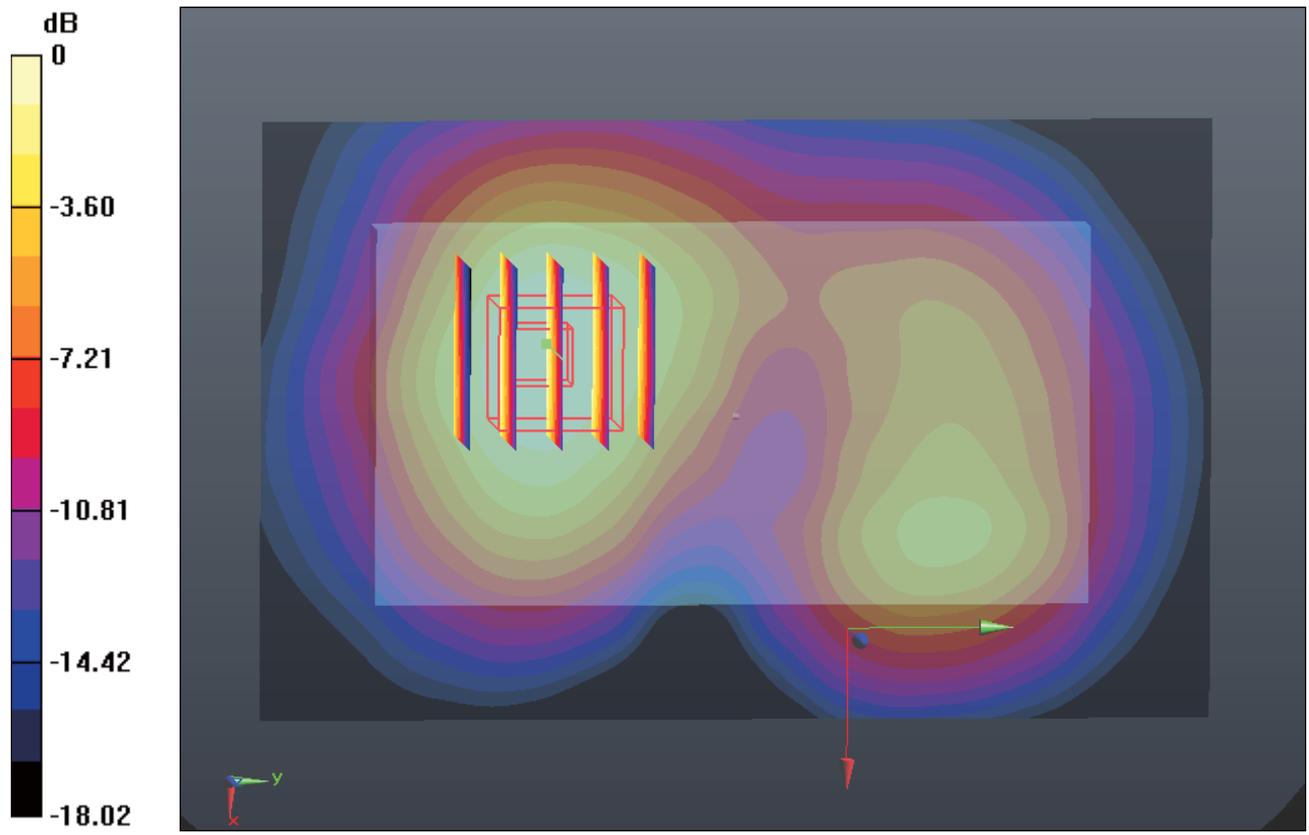
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.130 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.574 W/kg

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 1.125 mW/g



0 dB = 1.120mW/g

#97 CDMA2000 BC1_RTAP 153.6_Back_1cm_Ch25_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 1851.25 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120729 Medium parameters used: $f = 1851.25 \text{ MHz}$; $\sigma = 1.49 \text{ mho/m}$; $\epsilon_r =$

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

Ambient Temperature : $23.3 \text{ }^\circ\text{C}$; Liquid Temperature : $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: $dx=15\text{mm}$, $dy=15\text{mm}$

Maximum value of SAR (interpolated) = 1.197 mW/g

Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

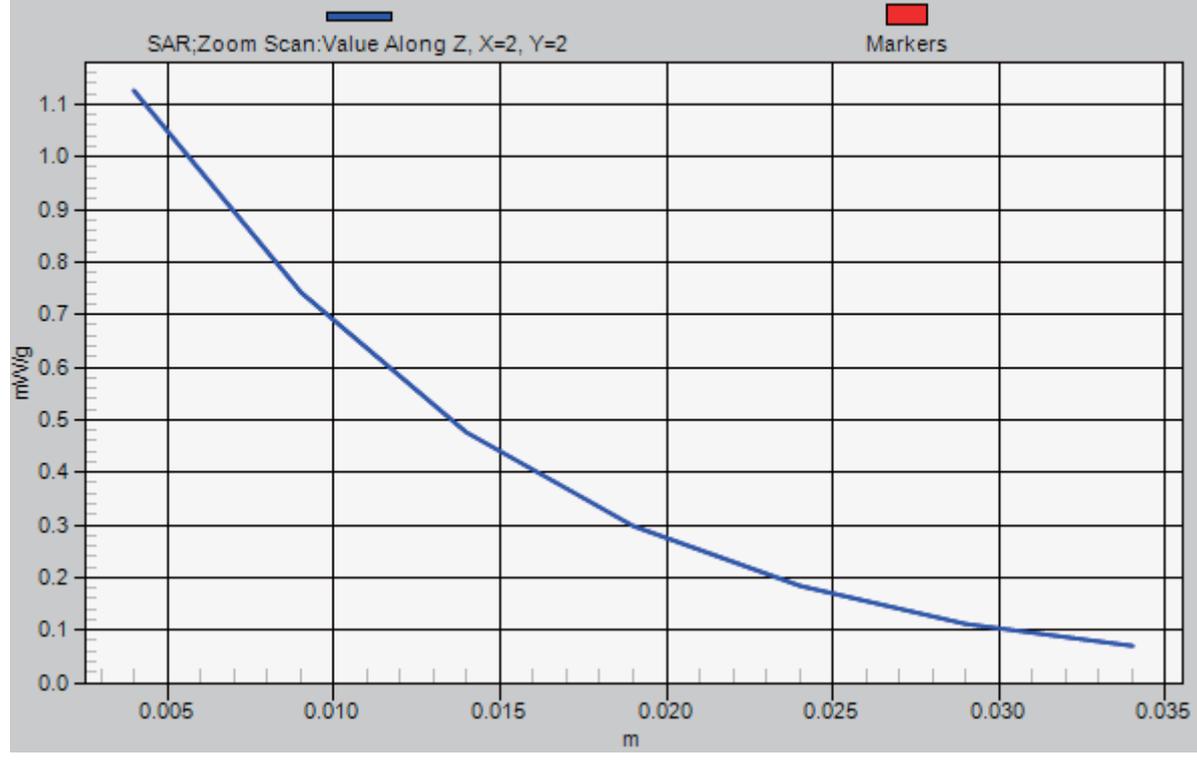
Reference Value = 10.130 V/m ; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.574 W/kg

SAR(1 g) = 1.04 mW/g ; SAR(10 g) = 0.636 mW/g

Maximum value of SAR (measured) = 1.125 mW/g

1g/10g Averaged SAR



#98 CDMA2000 BC1_RTAP 153.6_Back_1cm_Ch1175

DUT: 271302

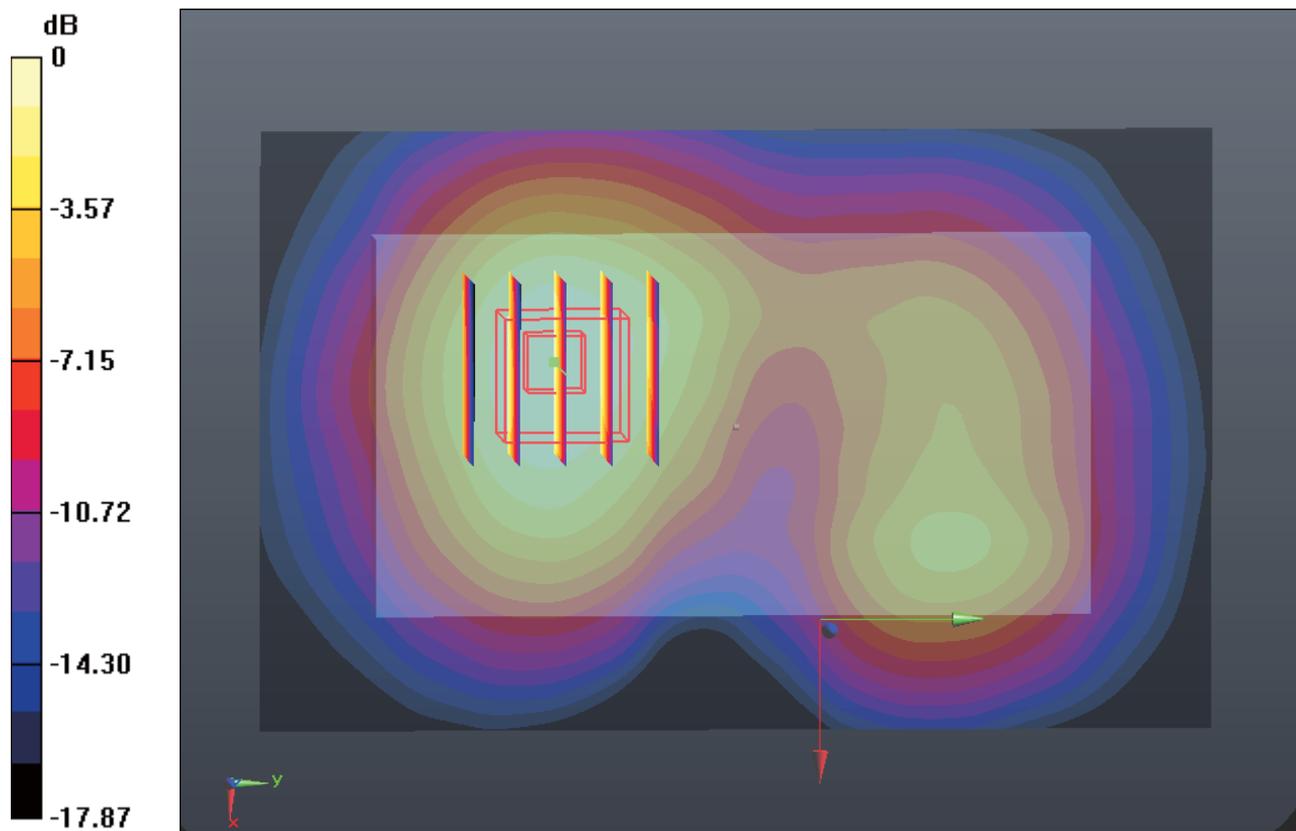
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1
Medium: MSL_1900_120729 Medium parameters used: $f = 1909$ MHz; $\sigma = 1.556$ mho/m; $\epsilon_r = 53.786$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch1175/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.133 mW/g

Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.730 V/m; Power Drift = 0.08 dB
Peak SAR (extrapolated) = 1.552 W/kg
SAR(1 g) = 1.01 mW/g; SAR(10 g) = 0.620 mW/g
Maximum value of SAR (measured) = 1.097 mW/g



0 dB = 1.100mW/g

#224 CDMA2000_BC1_RTAP153.6_Back_1cm_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ mho/m; $\epsilon_r =$

54.703 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.164 mW/g

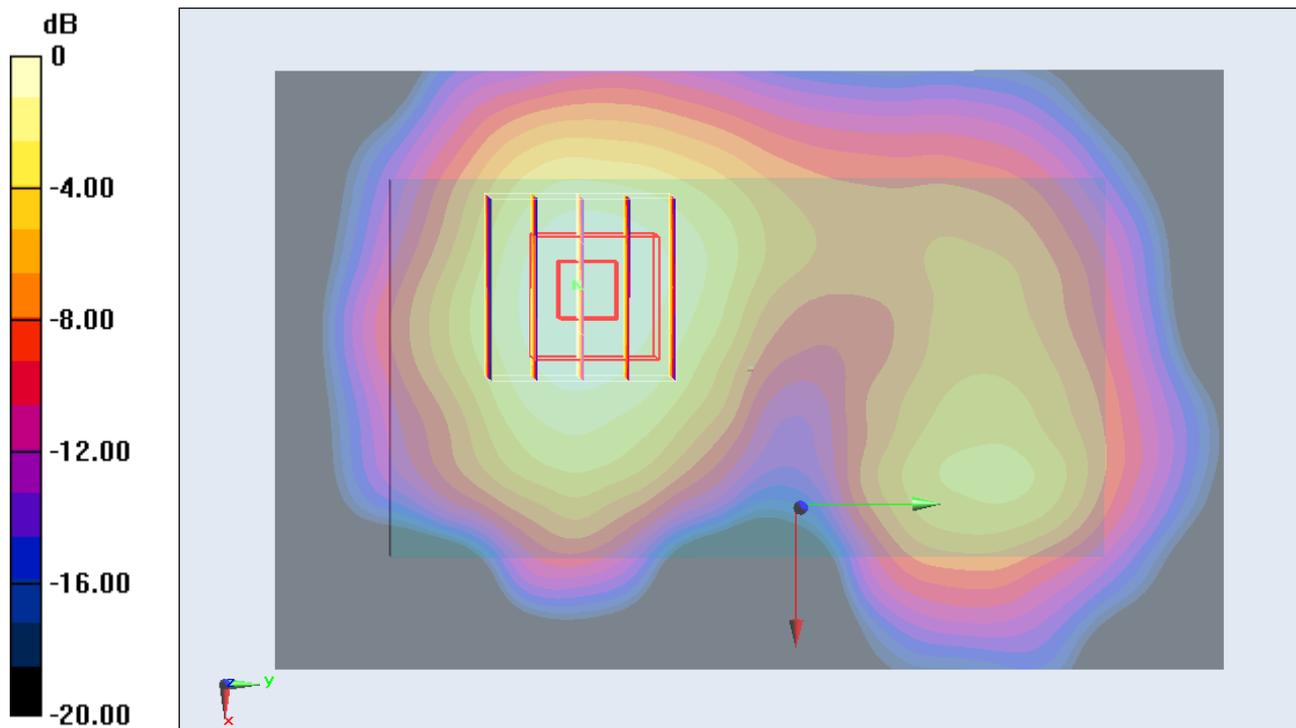
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.664 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.230 W/kg

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.160mW/g

#95 CDMA2000 BC1_RTAP 153.6_Right Side_1cm_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1
Medium: MSL_1900_120729 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r = 53.834$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

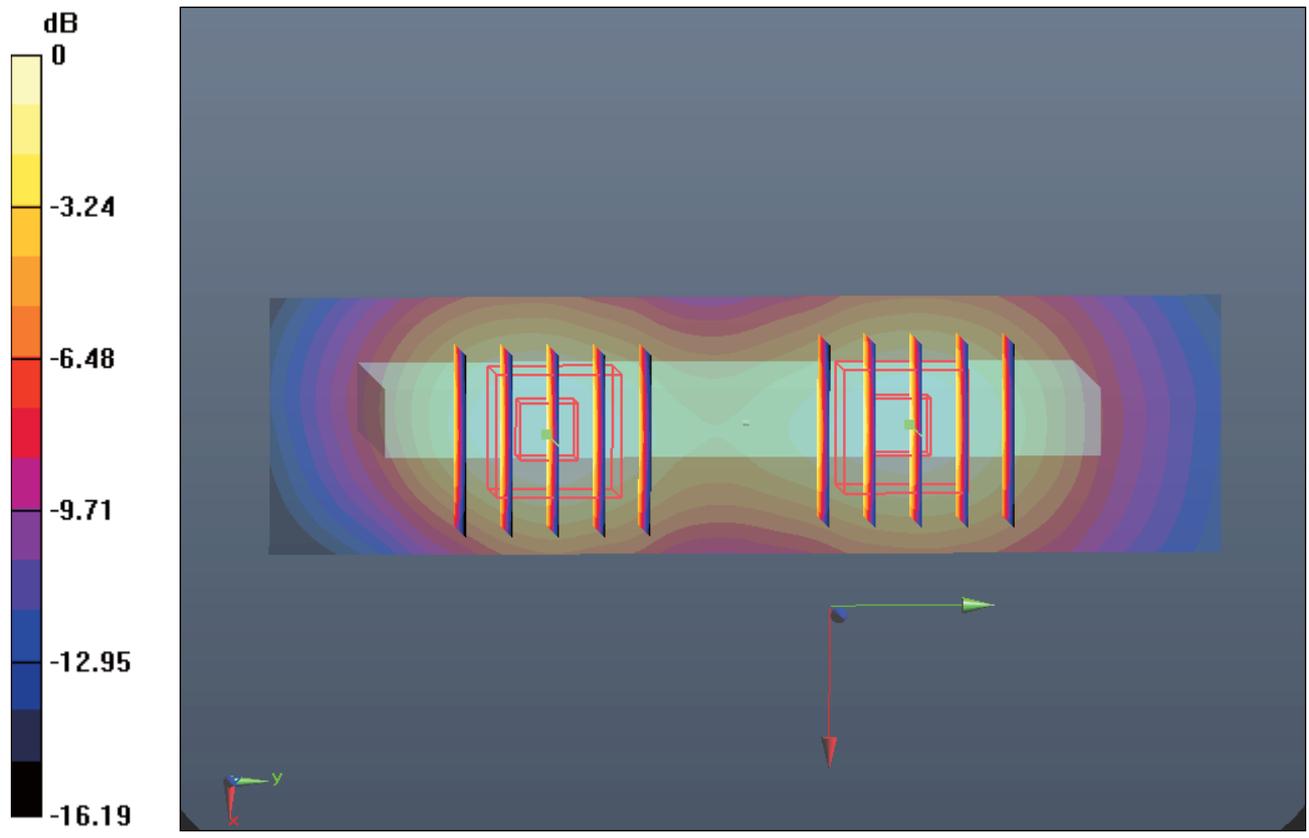
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.758 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.223 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.082 W/kg
SAR(1 g) = 0.658 mW/g; SAR(10 g) = 0.372 mW/g
Maximum value of SAR (measured) = 0.725 mW/g

Ch600/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 15.223 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.015 W/kg
SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.364 mW/g
Maximum value of SAR (measured) = 0.692 mW/g



0 dB = 0.690mW/g

#96 CDMA2000 BC1_RTAP 153.6_Bottom Side_1cm_Ch600

DUT: 271302

Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1

Medium: MSL_1900_120729 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.525$ mho/m; $\epsilon_r =$

53.834; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch600/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.097 mW/g

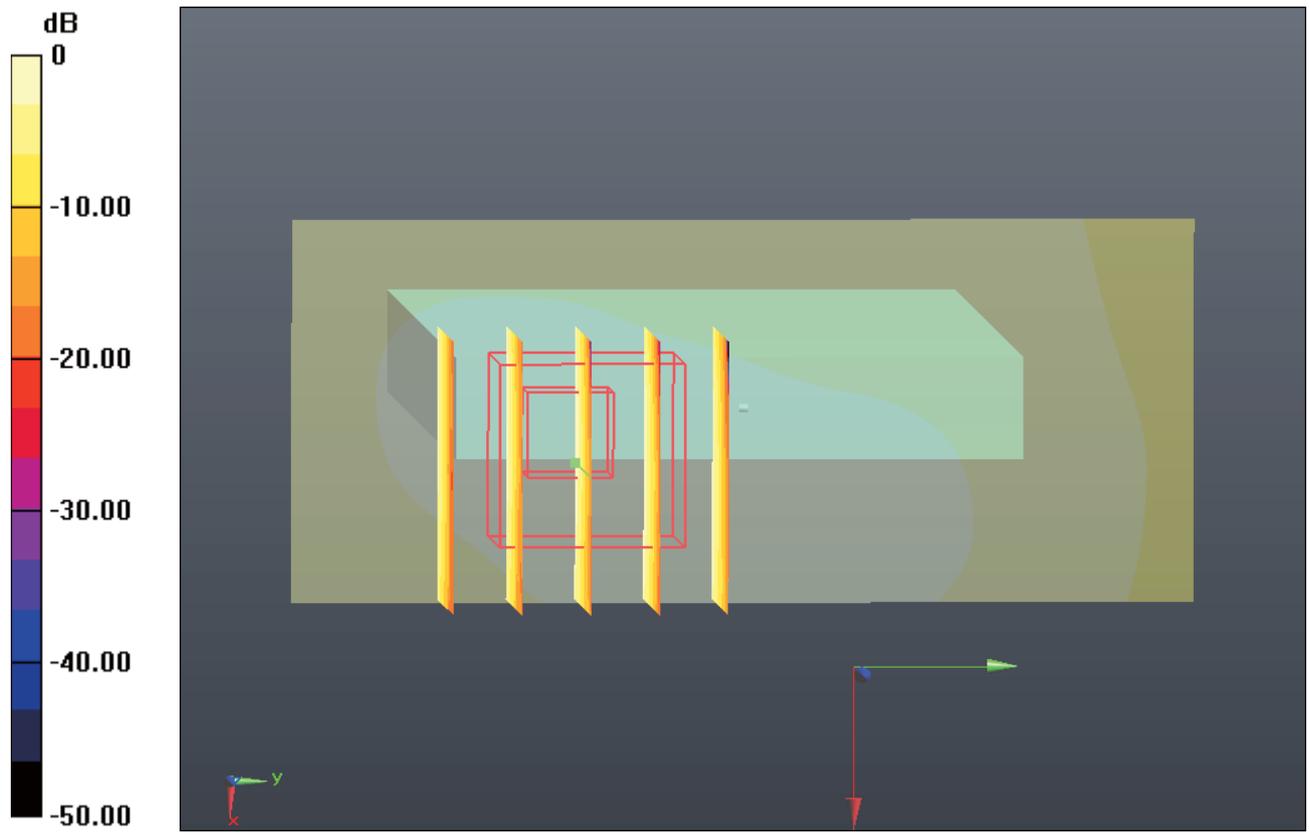
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.376 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.090 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.097 mW/g



0 dB = 0.100mW/g

#116 CDMA2000 BC15_RTAP 153.6_Front_1cm_Ch875

DUT: 271302

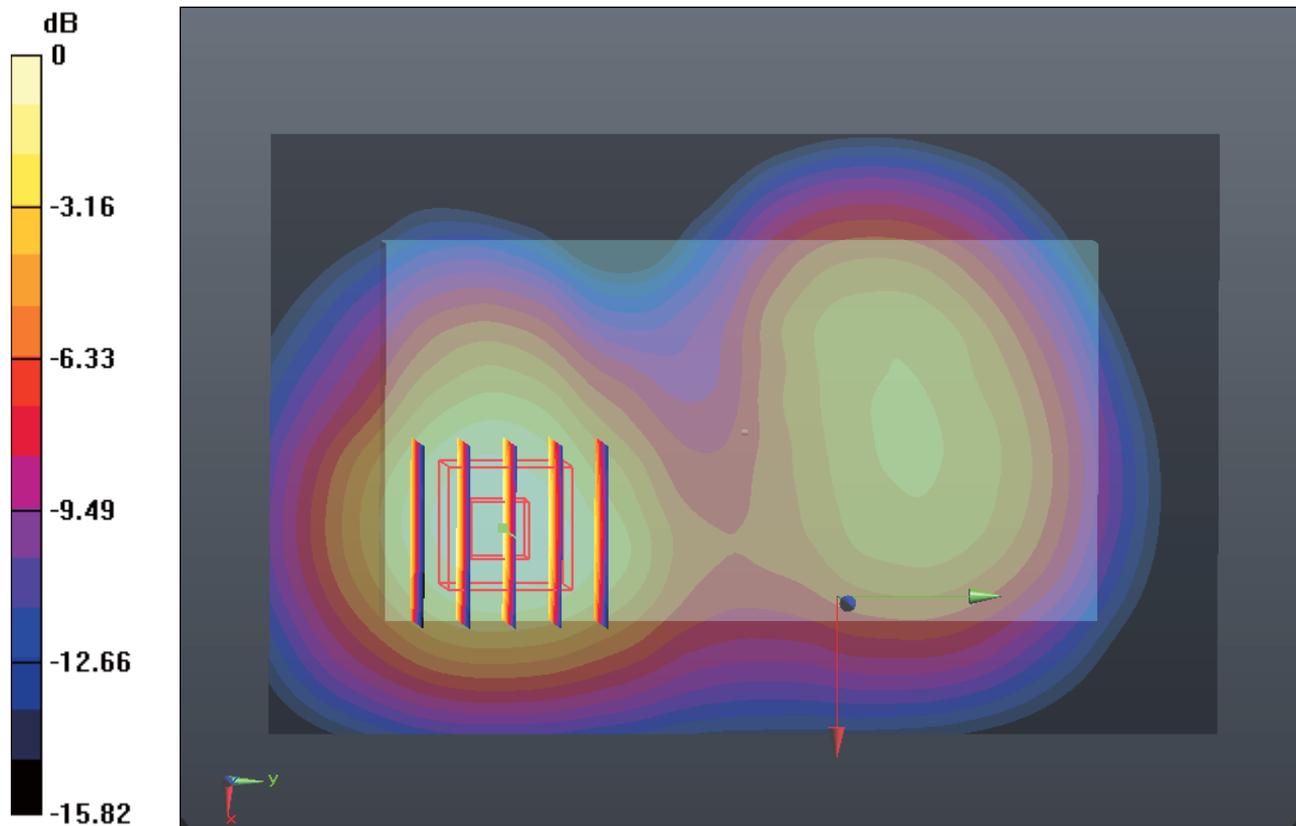
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120802 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.35$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.983 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 11.798 V/m; Power Drift = -0.10 dB
Peak SAR (extrapolated) = 1.320 W/kg
SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.543 mW/g
Maximum value of SAR (measured) = 0.958 mW/g



0 dB = 0.960mW/g

#120 CDMA2000 BC15_RTAP 153.6_Front_1cm_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1711.25 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120802 Medium parameters used: $f = 1711.25$ MHz; $\sigma = 1.462$ mho/m; $\epsilon_r =$

52.342 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.852 mW/g

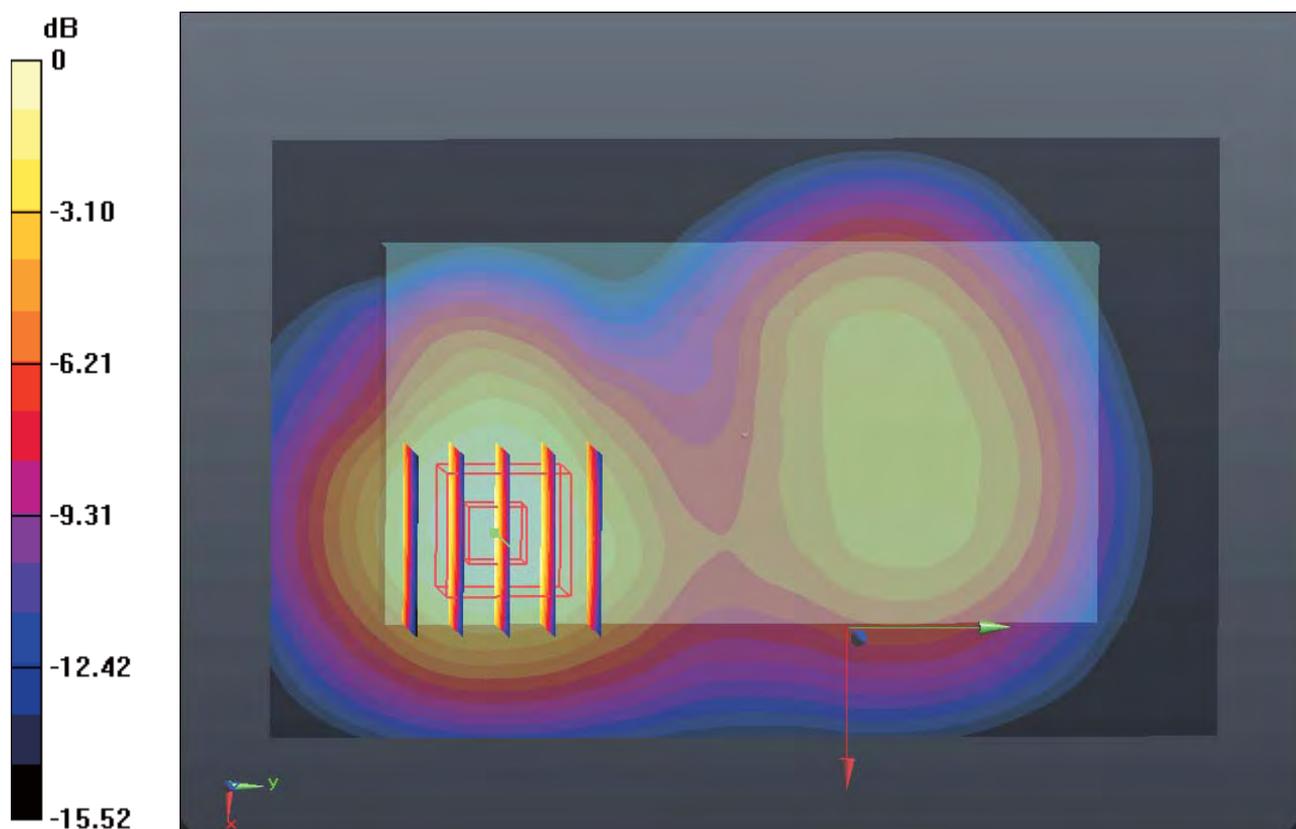
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.602 V/m; Power Drift = 0.0097 dB

Peak SAR (extrapolated) = 1.142 W/kg

SAR(1 g) = 0.770 mW/g; SAR(10 g) = 0.478 mW/g

Maximum value of SAR (measured) = 0.840 mW/g



0 dB = 0.840mW/g

#188 CDMA2000 BC15_RTAP 153.6_Front_1cm_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120802 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r =$

52.344 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.925 mW/g

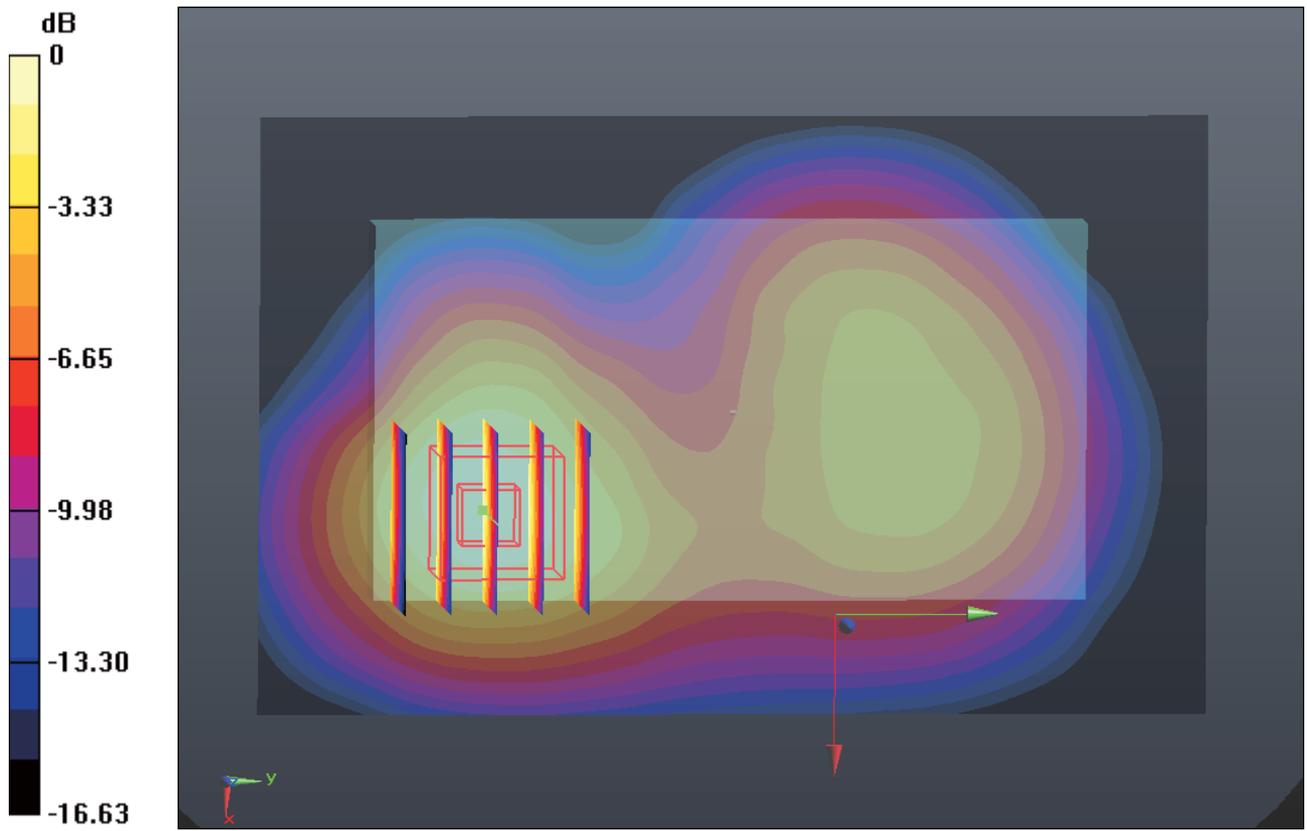
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.707 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.229 W/kg

SAR(1 g) = 0.825 mW/g; SAR(10 g) = 0.503 mW/g

Maximum value of SAR (measured) = 0.900 mW/g



0 dB = 0.900mW/g

#218 CDMA2000 BC15_RTAP 153.6_Front_1cm_Ch875

DUT: 271302

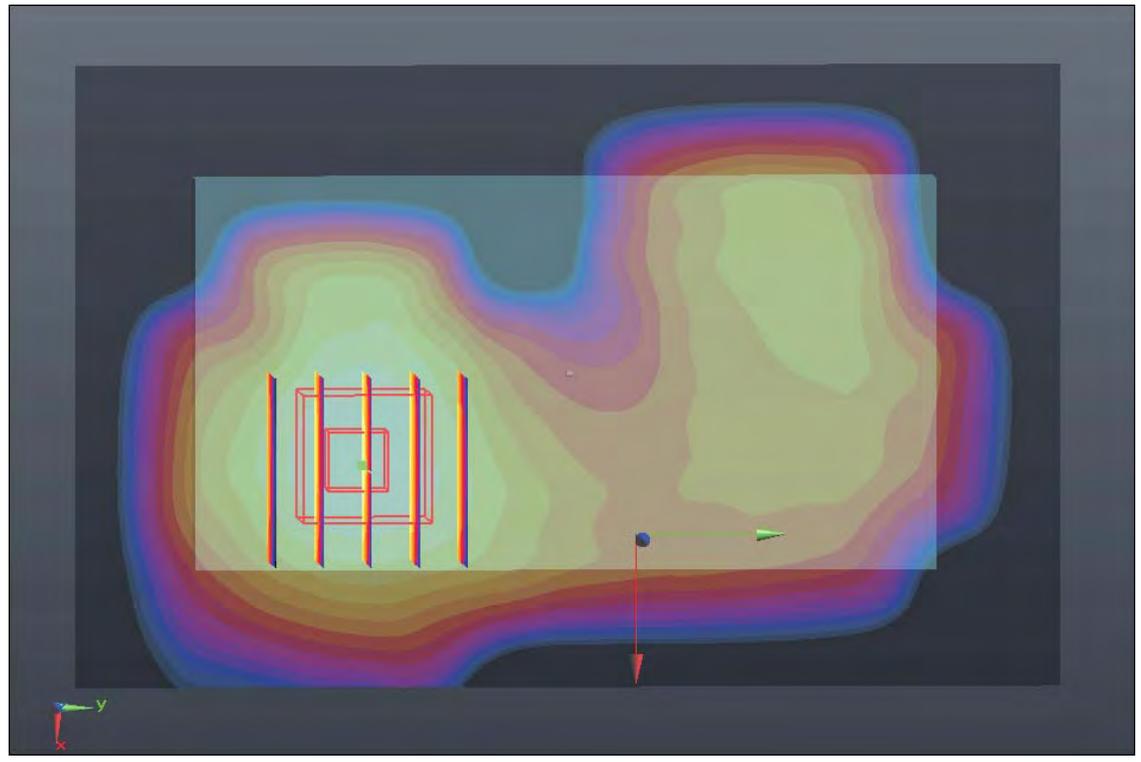
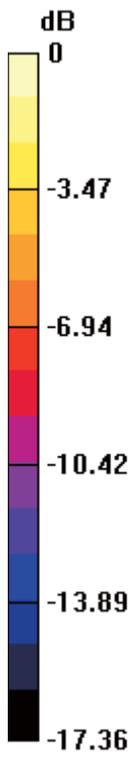
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120812 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 54.206$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.169 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 4.145 V/m; Power Drift = -0.03 dB
Peak SAR (extrapolated) = 0.221 W/kg
SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.091 mW/g
Maximum value of SAR (measured) = 0.161 mW/g



0 dB = 0.160mW/g

#117 CDMA2000 BC15_RTAP 153.6_Back_1cm_Ch875

DUT: 271302

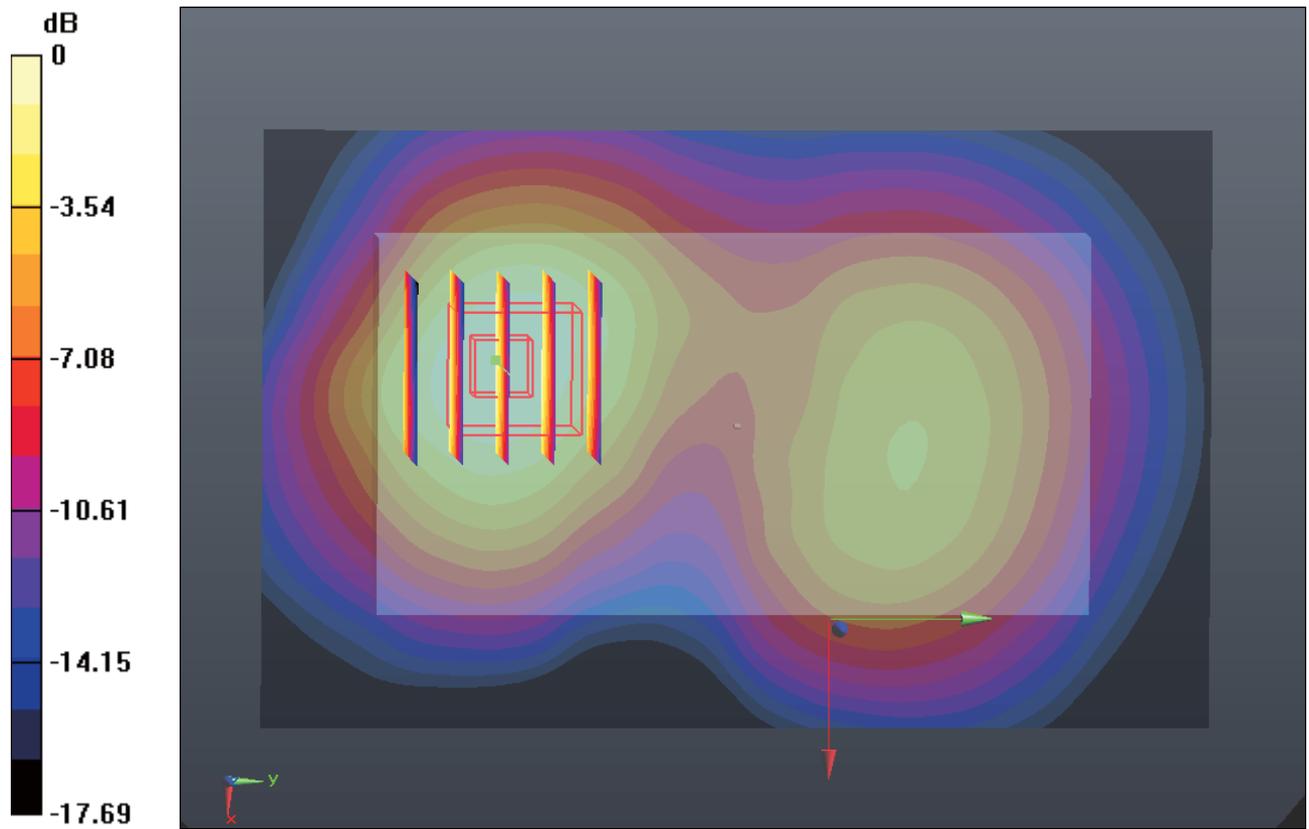
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120802 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.35$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.055 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.892 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.430 W/kg
SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.577 mW/g
Maximum value of SAR (measured) = 1.024 mW/g



#117 CDMA2000 BC15_RTAP 153.6_Back_1cm_Ch875_2D

DUT: 271302

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120802 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.35$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

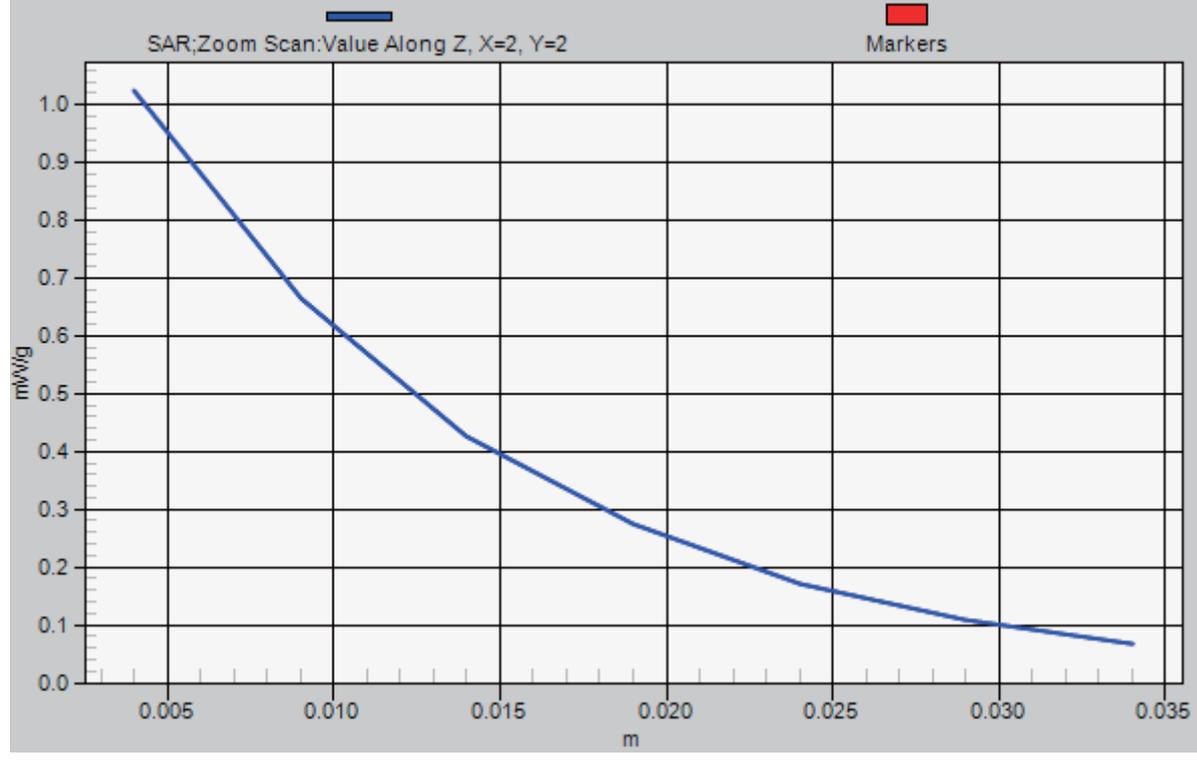
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 1.055 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.892 V/m; Power Drift = -0.05 dB
Peak SAR (extrapolated) = 1.430 W/kg
SAR(1 g) = 0.941 mW/g; SAR(10 g) = 0.577 mW/g
Maximum value of SAR (measured) = 1.024 mW/g

1g/10g Averaged SAR



#189 CDMA2000 BC15_RTAP 153.6_Back_1cm_Ch25

DUT: 271302

Communication System: CDMA2000; Frequency: 1711.25 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120802 Medium parameters used: $f = 1711.25$ MHz; $\sigma = 1.462$ mho/m; $\epsilon_r =$

52.342 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch25/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.915 mW/g

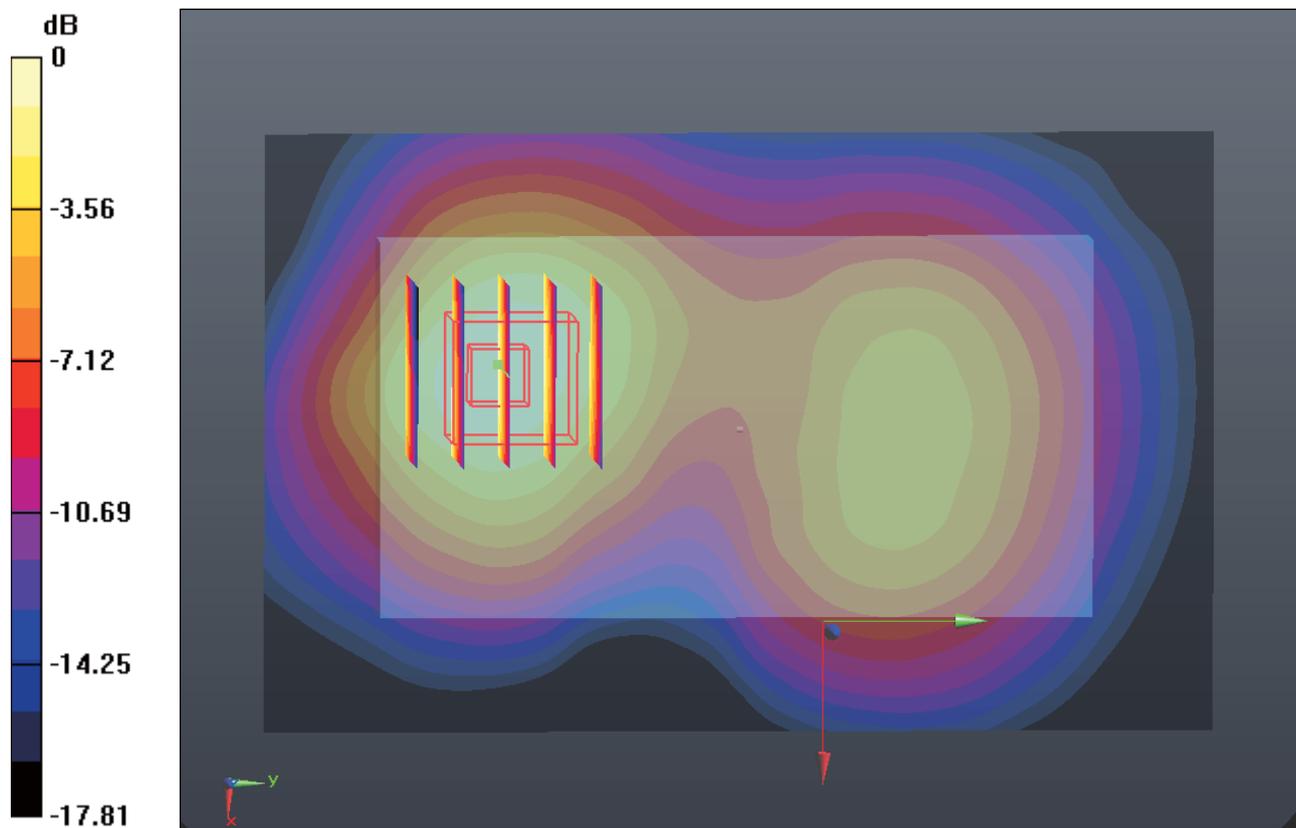
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.420 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.263 W/kg

SAR(1 g) = 0.832 mW/g; SAR(10 g) = 0.510 mW/g

Maximum value of SAR (measured) = 0.908 mW/g



0 dB = 0.910mW/g

#190 CDMA2000 BC15_RTAP 153.6_Back_1cm_Ch425

DUT: 271302

Communication System: CDMA2000; Frequency: 1731.25 MHz; Duty Cycle: 1:1

Medium: MSL_1750_120802 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r =$

52.344 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch425/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.984 mW/g

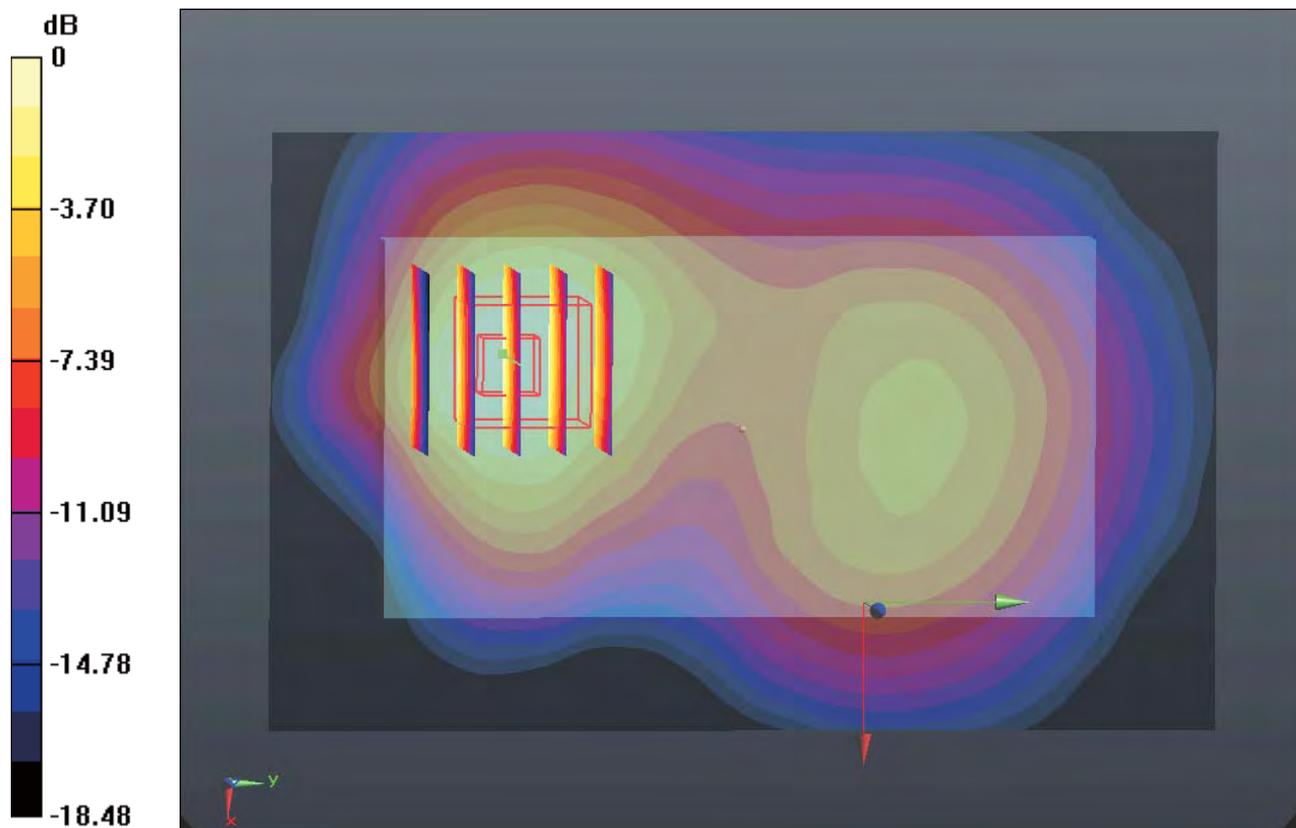
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.705 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.394 W/kg

SAR(1 g) = 0.893 mW/g; SAR(10 g) = 0.533 mW/g

Maximum value of SAR (measured) = 0.974 mW/g



#225 CDMA2000 BC15_RTAP 153.6_Back_1cm_Ch875

DUT: 271302

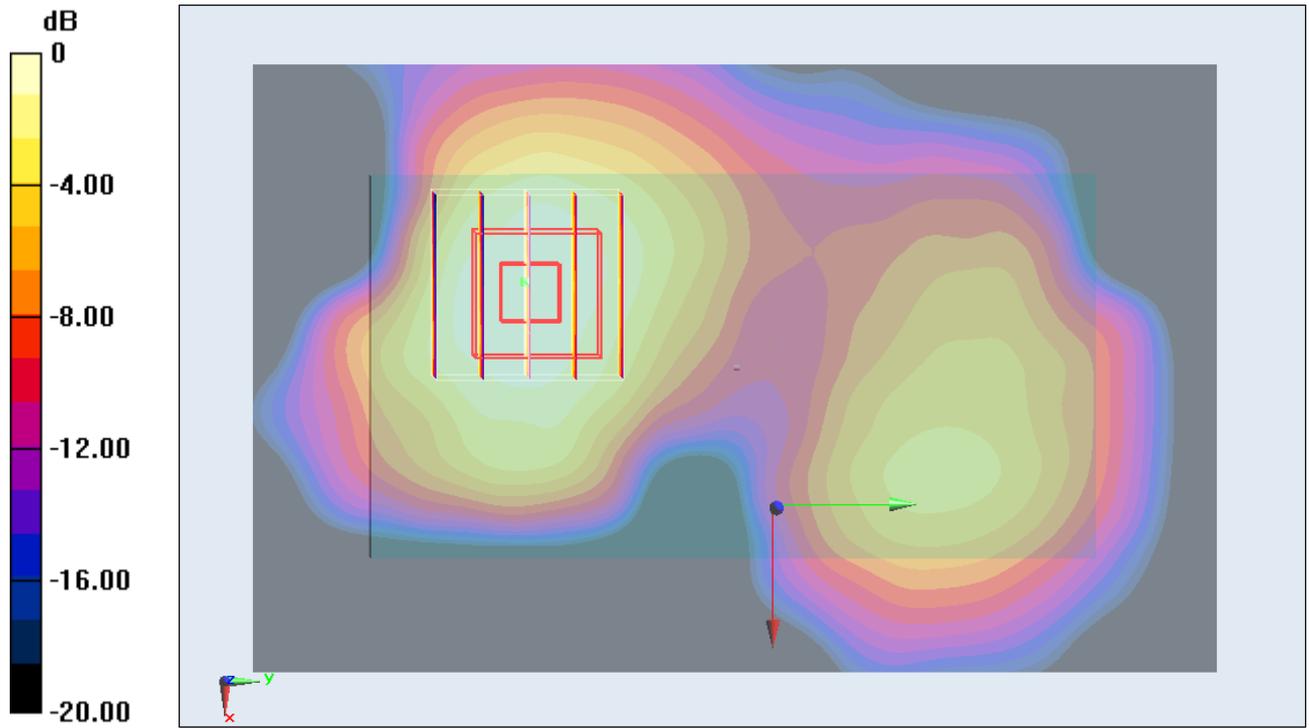
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120812 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.519$ mho/m; $\epsilon_r = 54.206$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (71x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.198 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 3.268 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 0.261 W/kg
SAR(1 g) = 0.172 mW/g; SAR(10 g) = 0.105 mW/g
Maximum value of SAR (measured) = 0.186 mW/g



0 dB = 0.190mW/g

#118 CDMA2000 BC15_RTAP 153.6_Right Side_1cm_Ch875

DUT: 271302

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120802 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.35$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

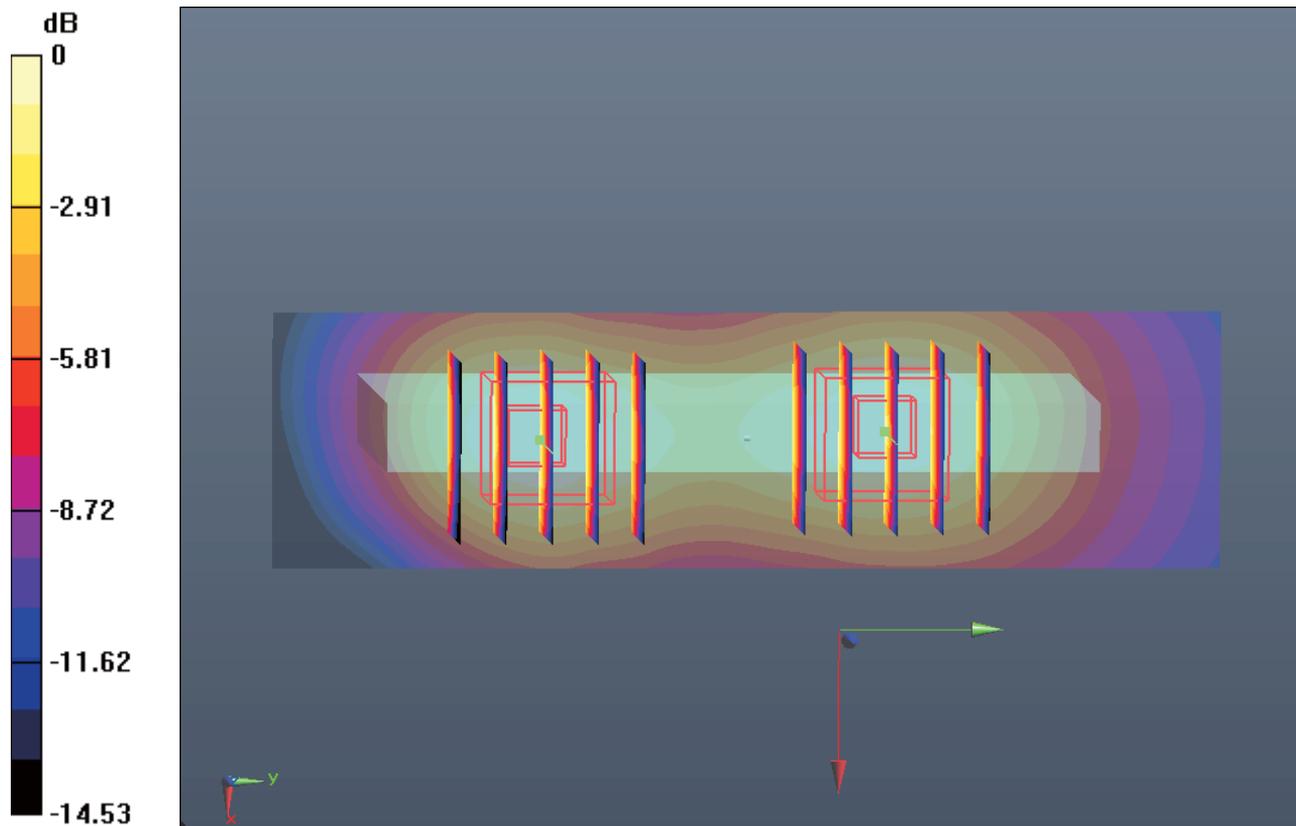
DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.599 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.045 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.853 W/kg
SAR(1 g) = 0.535 mW/g; SAR(10 g) = 0.313 mW/g
Maximum value of SAR (measured) = 0.589 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 16.045 V/m; Power Drift = -0.08 dB
Peak SAR (extrapolated) = 0.801 W/kg
SAR(1 g) = 0.515 mW/g; SAR(10 g) = 0.311 mW/g
Maximum value of SAR (measured) = 0.573 mW/g



0 dB = 0.570mW/g

#119 CDMA2000 BC15_RTAP 153.6_Bottom Side_1cm_Ch875

DUT: 271302

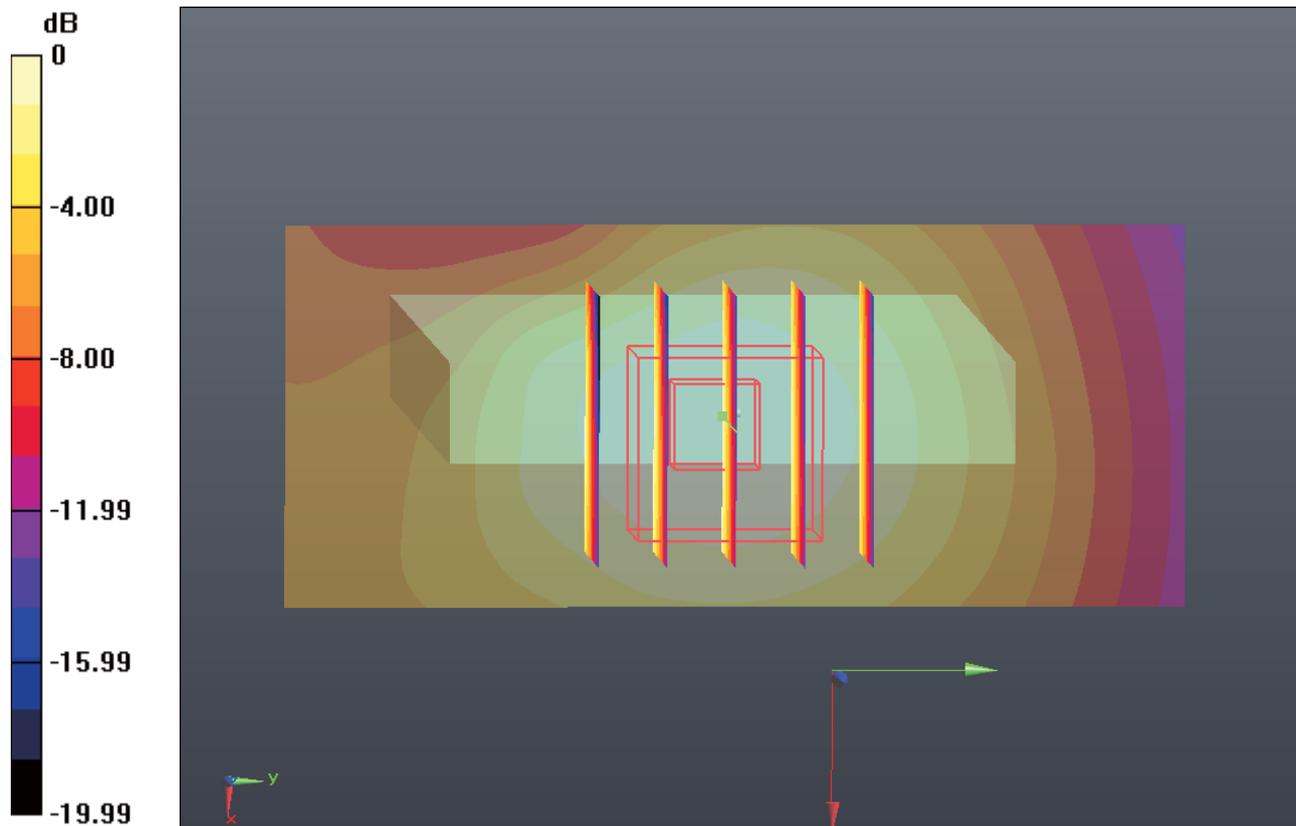
Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1
Medium: MSL_1750_120802 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.35$; $\rho = 1000$ kg/m³
Ambient Temperature : 23.2 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.68, 7.68, 7.68); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM1; Type: SAM; Serial: TP-1479
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch875/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm
Maximum value of SAR (interpolated) = 0.162 mW/g

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 10.183 V/m; Power Drift = -0.11 dB
Peak SAR (extrapolated) = 0.227 W/kg
SAR(1 g) = 0.145 mW/g; SAR(10 g) = 0.089 mW/g
Maximum value of SAR (measured) = 0.157 mW/g



0 dB = 0.160mW/g

#121 LTE Band 2_QPSK(50 25)_20M_Front_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.594 mW/g

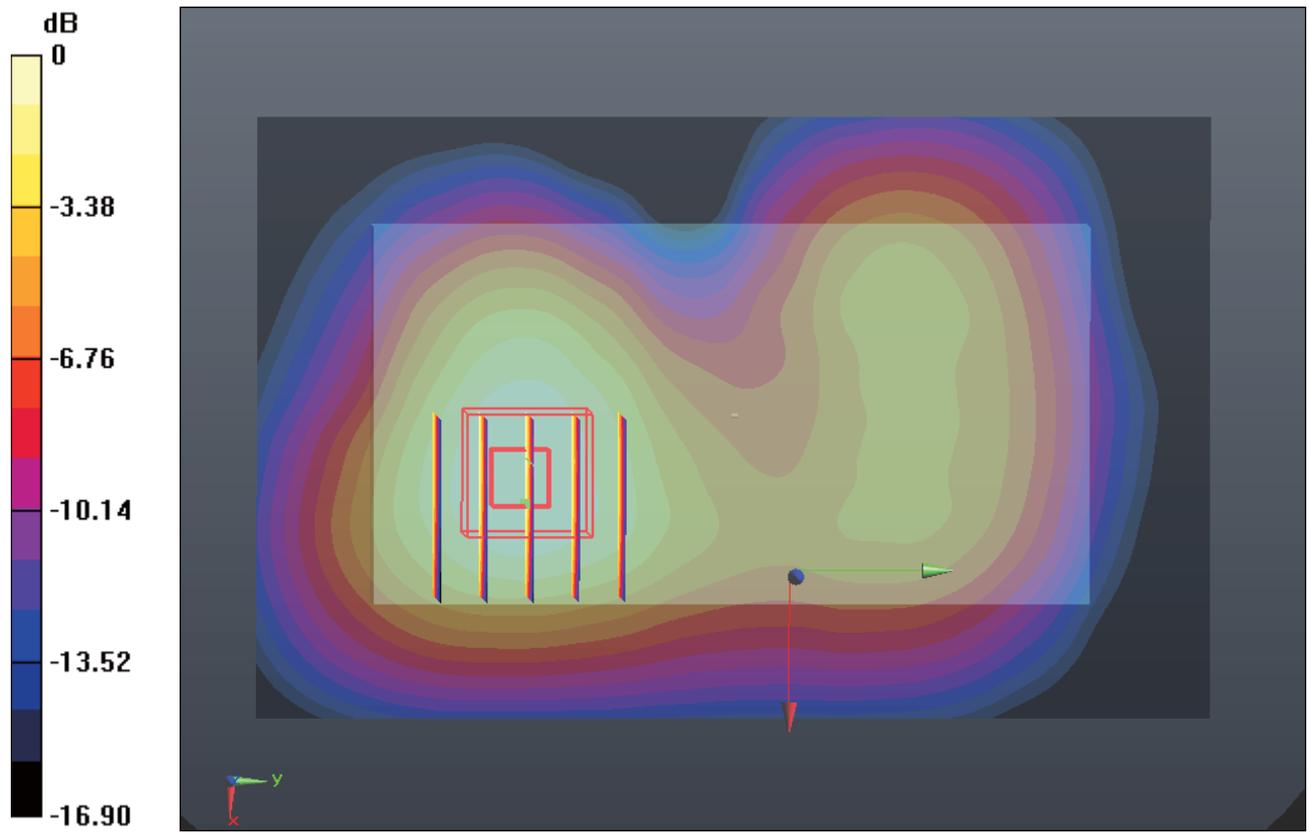
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.642 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.840 W/kg

SAR(1 g) = 0.556 mW/g; SAR(10 g) = 0.343 mW/g

Maximum value of SAR (measured) = 0.590 mW/g



0 dB = 0.590mW/g

#126 LTE Band 2_QPSK(1 0)_20M_Front_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.814 mW/g

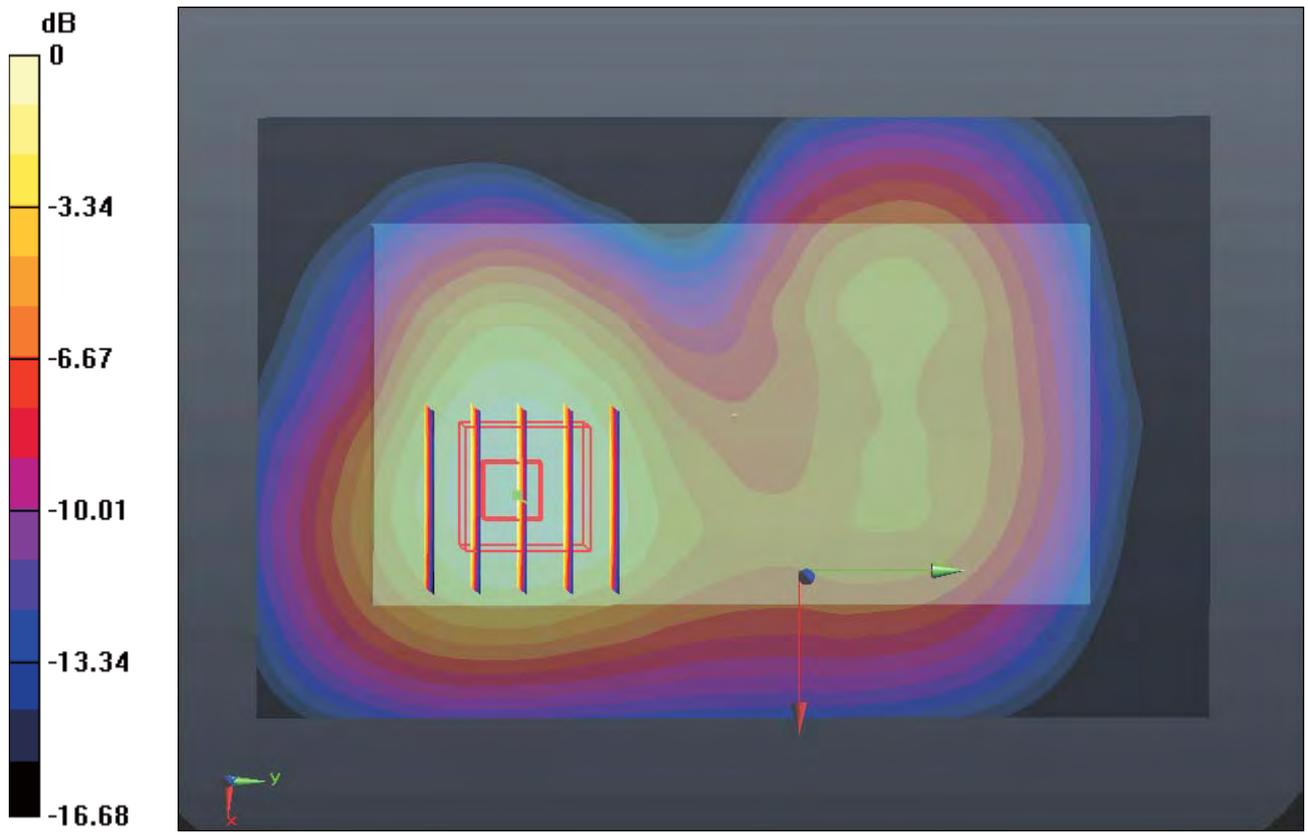
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.818 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 1.104 W/kg

SAR(1 g) = 0.740 mW/g; SAR(10 g) = 0.458 mW/g

Maximum value of SAR (measured) = 0.802 mW/g



0 dB = 0.800mW/g

#131 LTE Band 2_QPSK(1 99)_20M_Front_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.754 mW/g

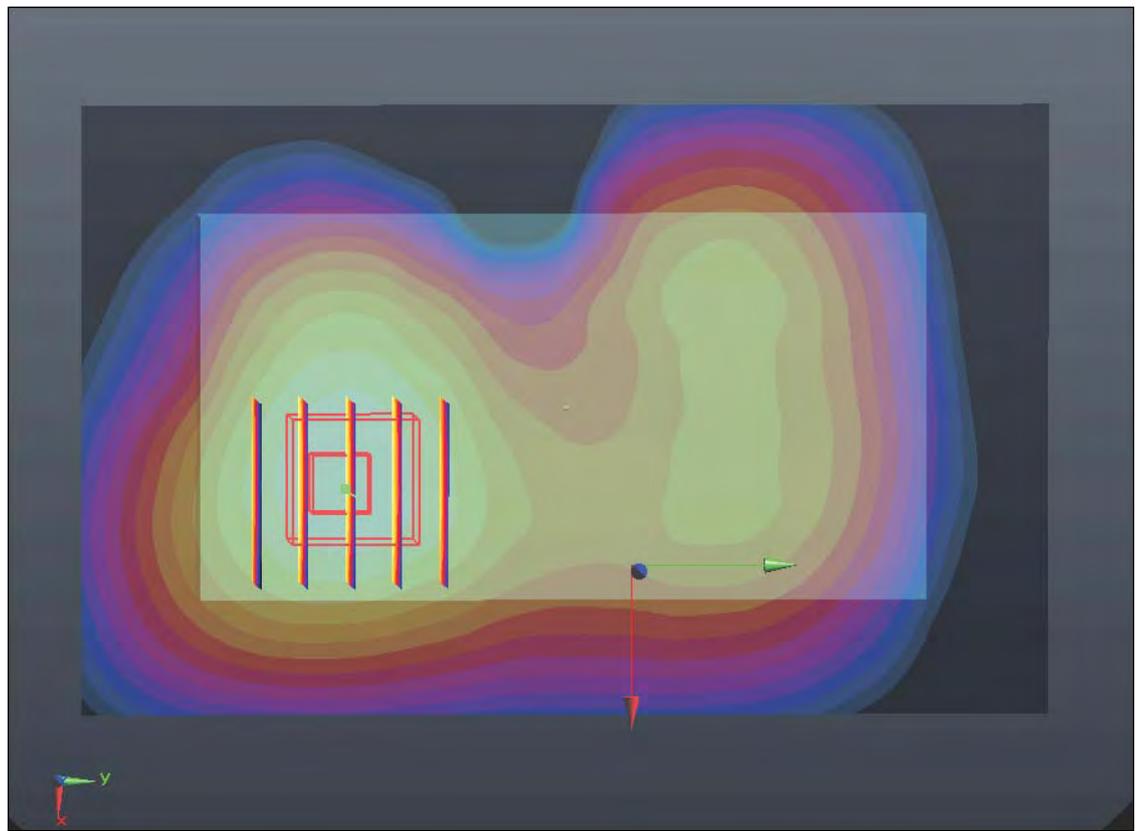
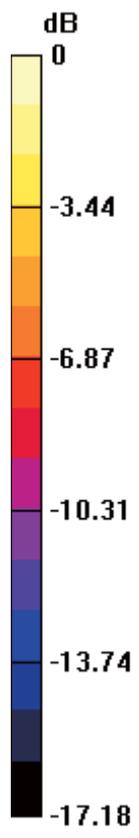
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.842 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.042 W/kg

SAR(1 g) = 0.704 mW/g; SAR(10 g) = 0.436 mW/g

Maximum value of SAR (measured) = 0.758 mW/g



0 dB = 0.760mW/g

#136 LTE Band 2_16QAM(50 25)_20M_Front_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

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

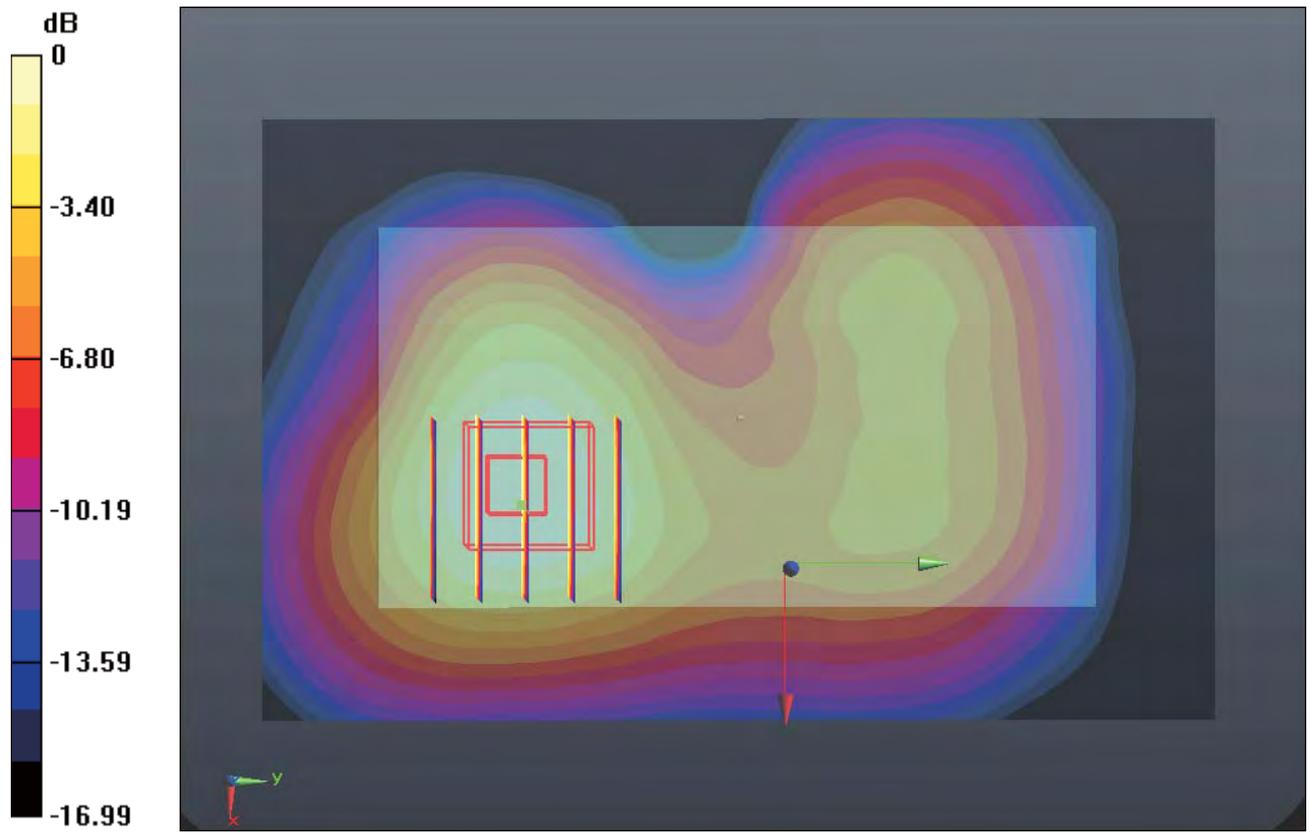
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.338 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.624 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.261 mW/g

Maximum value of SAR (measured) = 0.452 mW/g



0 dB = 0.450mW/g

#141 LTE Band 2_16QAM(1 0)_20M_Front_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.672 mW/g

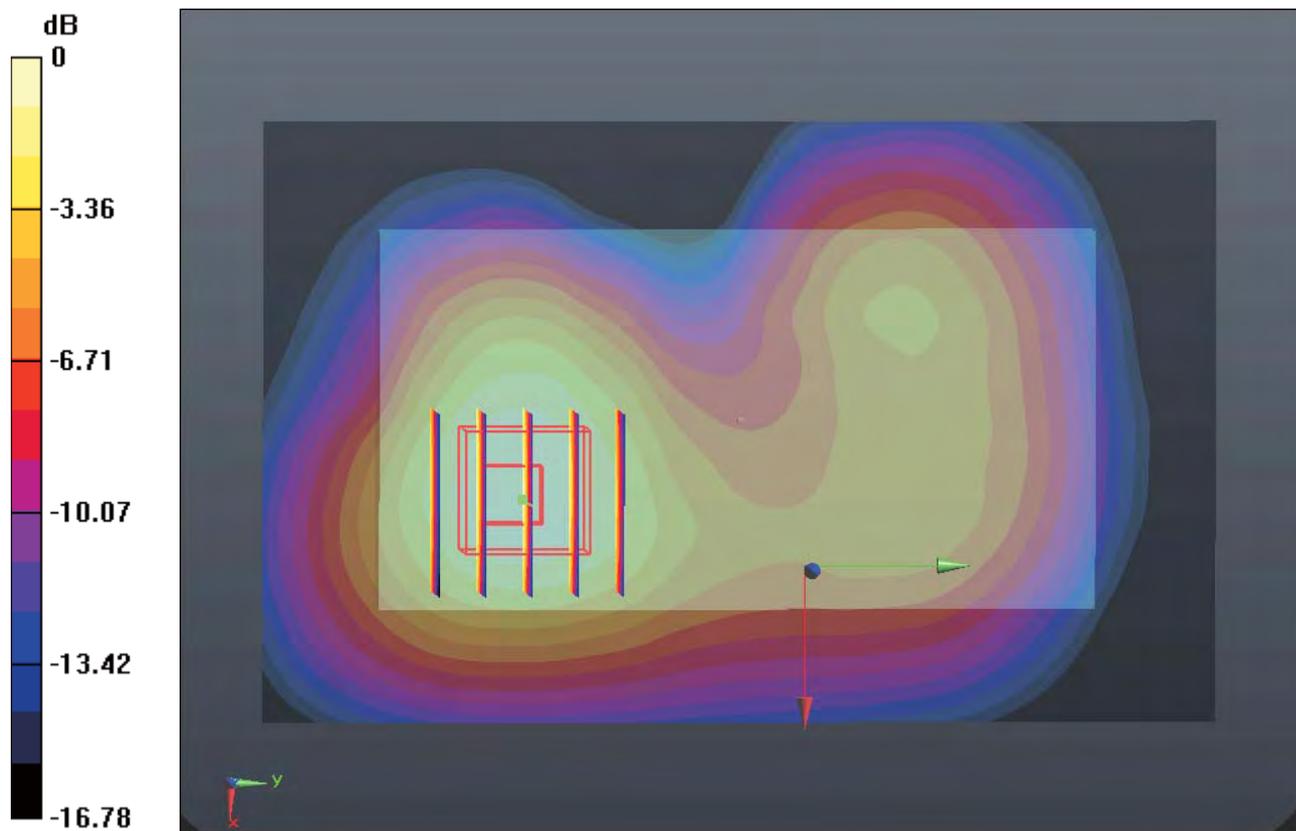
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.567 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.930 W/kg

SAR(1 g) = 0.616 mW/g; SAR(10 g) = 0.375 mW/g

Maximum value of SAR (measured) = 0.673 mW/g



0 dB = 0.670mW/g

#146 LTE Band 2_16QAM(1 99)_20M_Front_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.690 mW/g

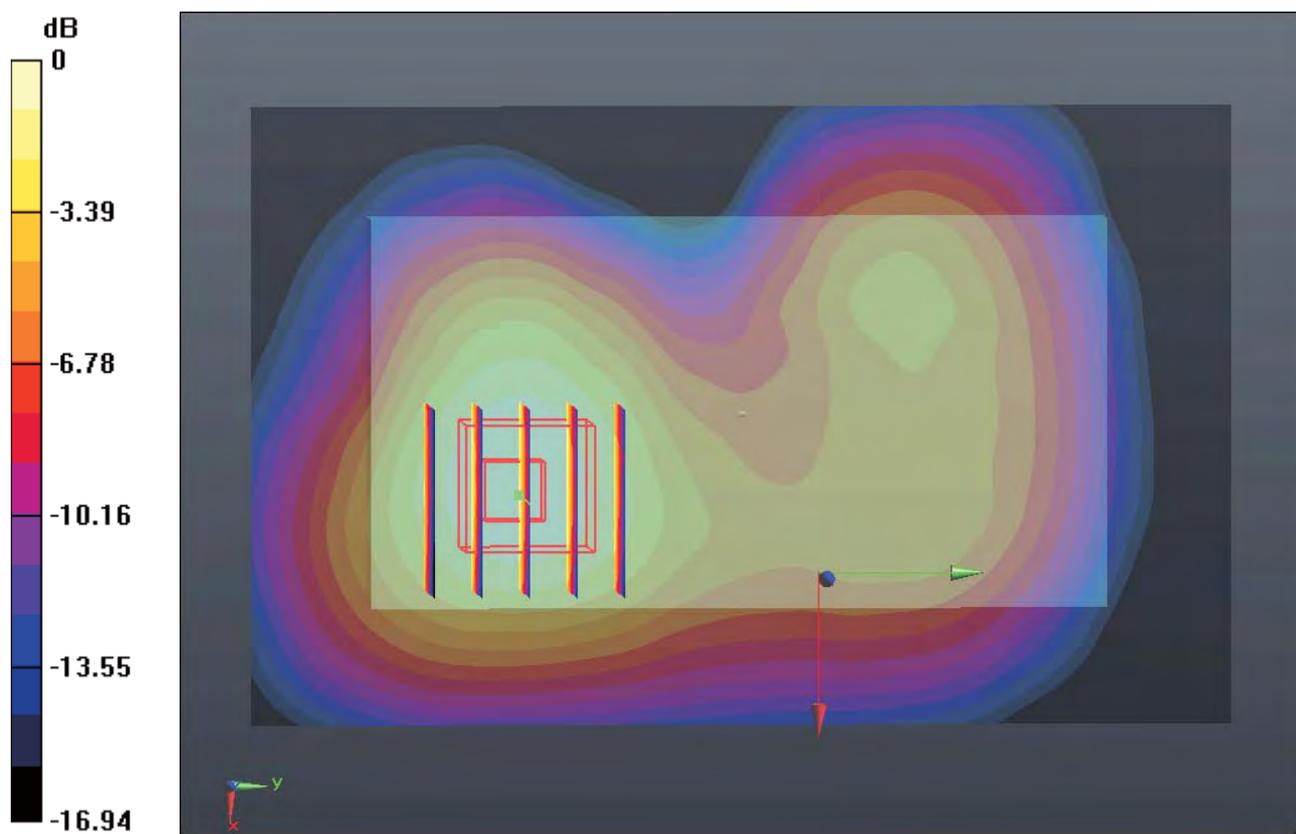
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.334 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.917 W/kg

SAR(1 g) = 0.617 mW/g; SAR(10 g) = 0.381 mW/g

Maximum value of SAR (measured) = 0.681 mW/g



0 dB = 0.680mW/g

#219 LTE Band 2_QPSK(1 0)_20M_Front_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ mho/m; $\epsilon_r =$

54.703 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

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

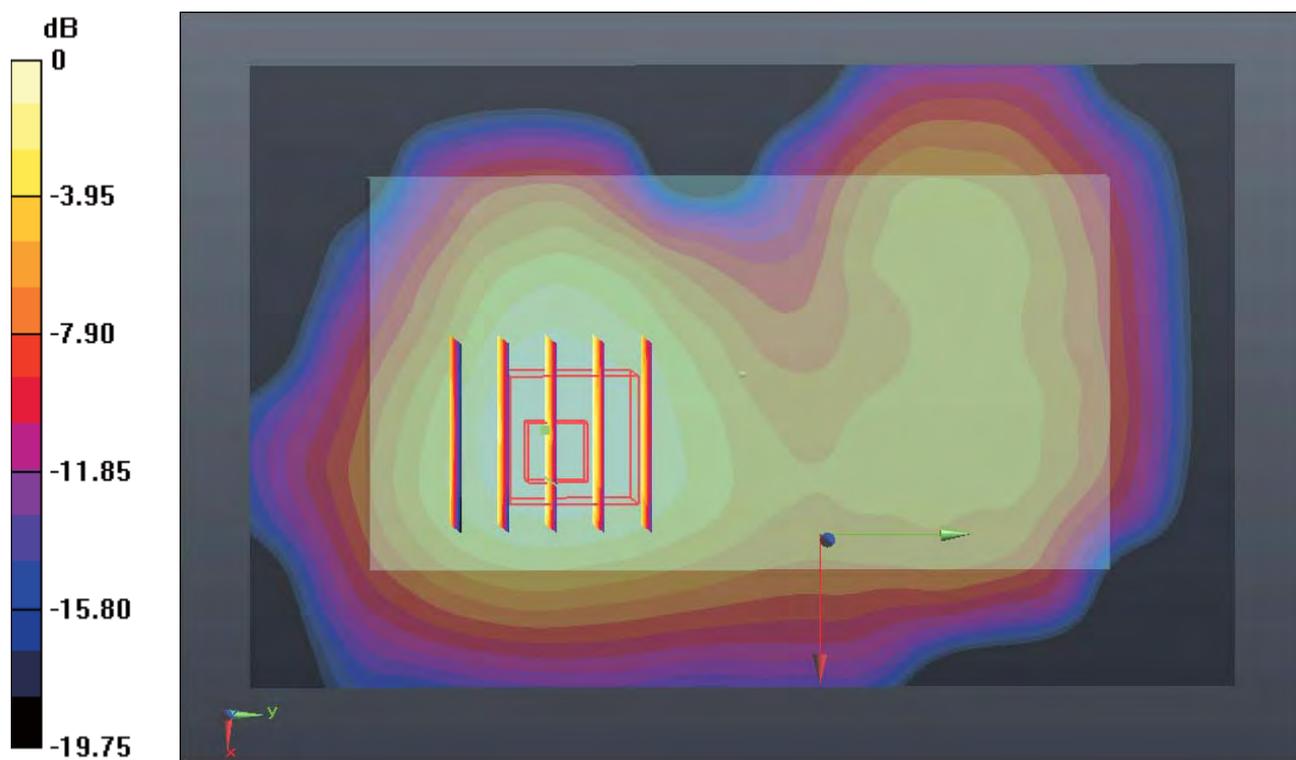
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.093 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.356 W/kg

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.246 mW/g



#122 LTE Band 2_QPSK(50 25)_20M_Back_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.886 mW/g

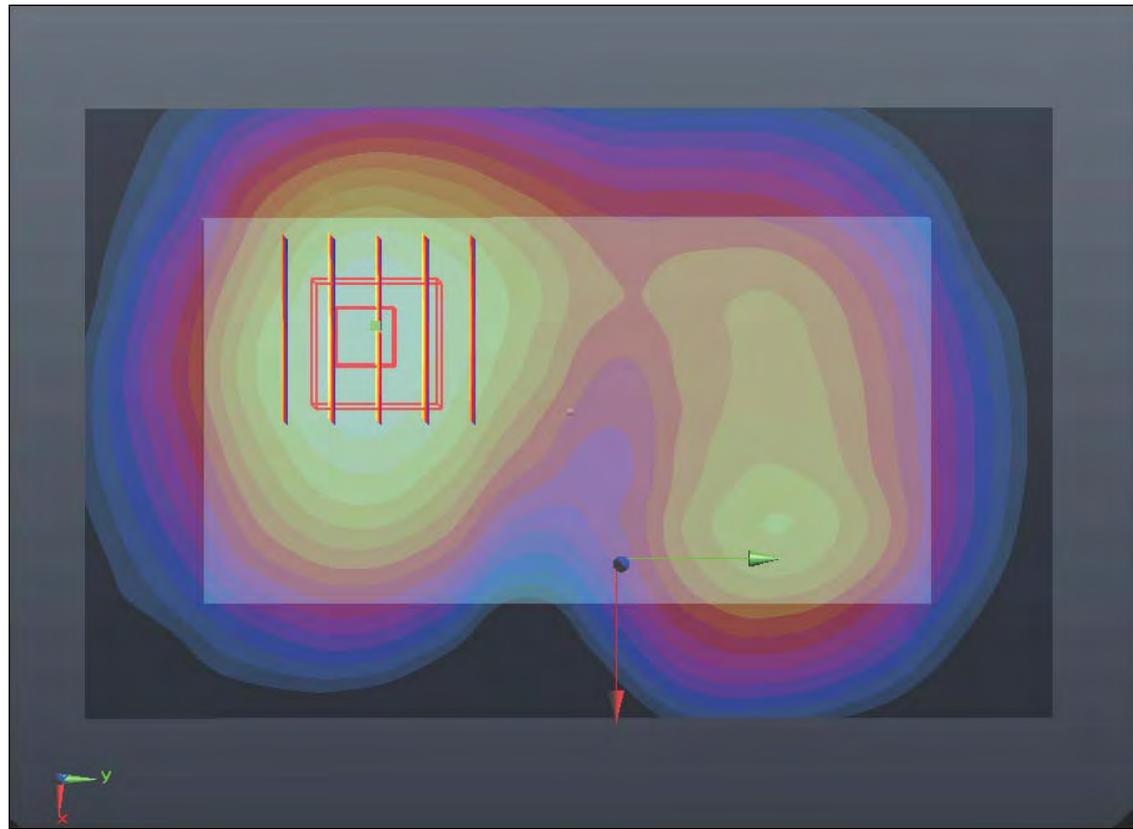
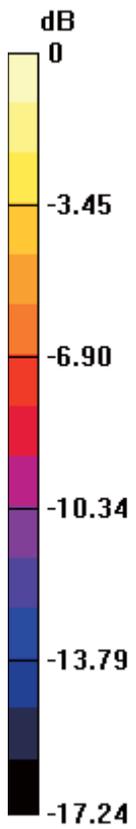
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.406 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.202 W/kg

SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.856 mW/g



0 dB = 0.860mW/g

#122 LTE Band 2_QPSK(50 25)_20M_Back_1cm_Ch18900_2D

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.886 mW/g

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

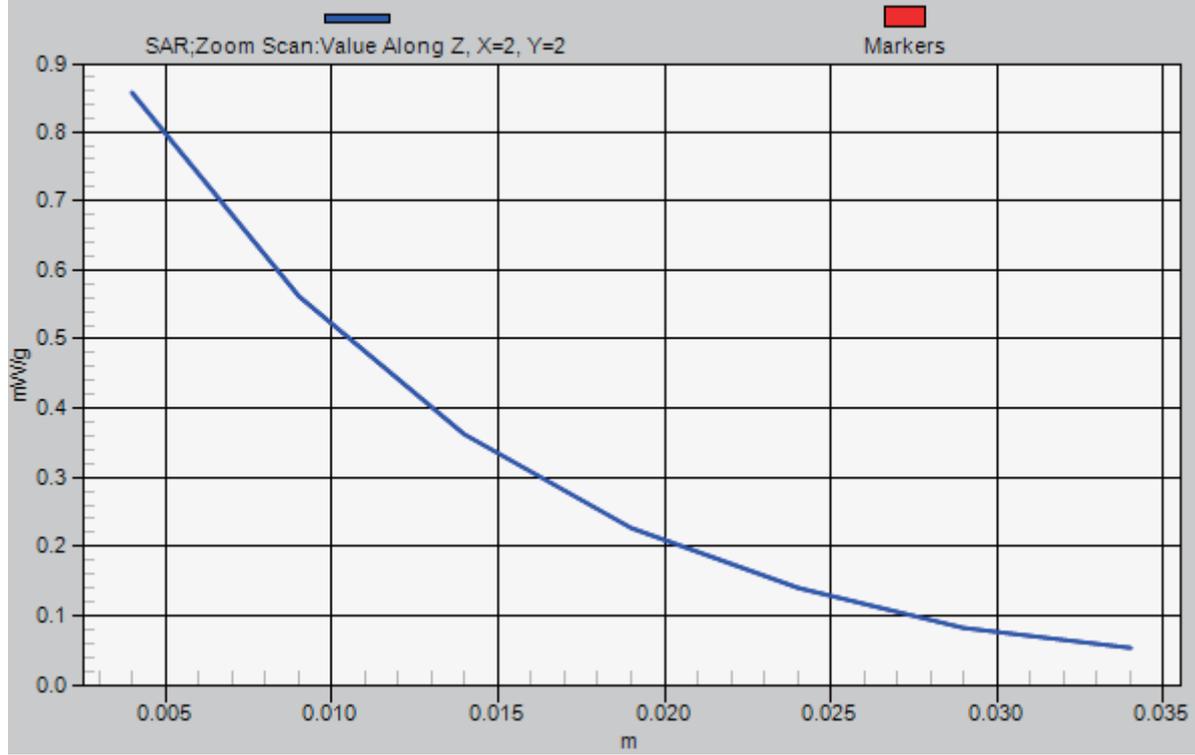
Reference Value = 9.406 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.202 W/kg

SAR(1 g) = 0.794 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.856 mW/g

1g/10g Averaged SAR



#127 LTE Band 2_QPSK(1 0)_20M_Back_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.176 mW/g

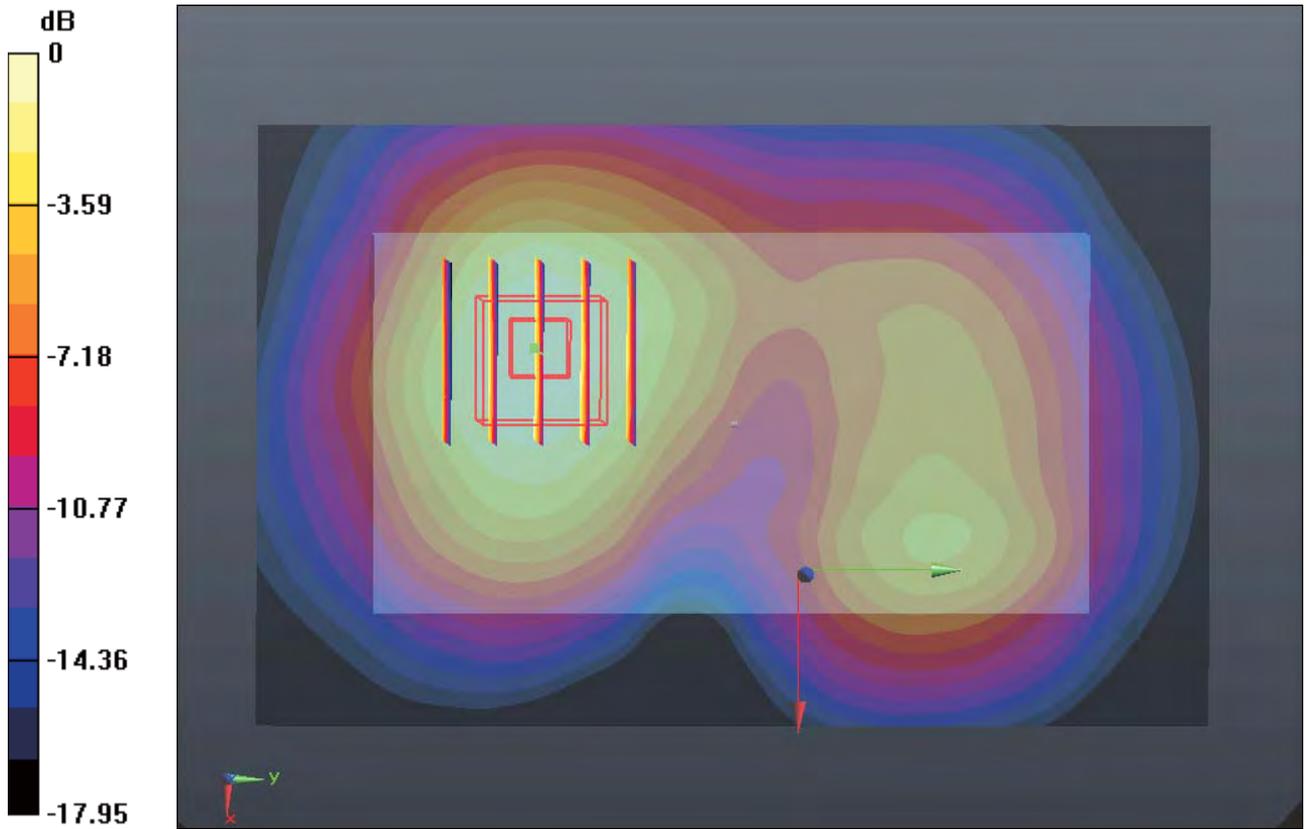
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.296 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.547 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.634 mW/g

Maximum value of SAR (measured) = 1.130 mW/g



0 dB = 1.130mW/g

#127 LTE Band 2_QPSK(1 0)_20M_Back_1cm_Ch18900_2D

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.176 mW/g

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

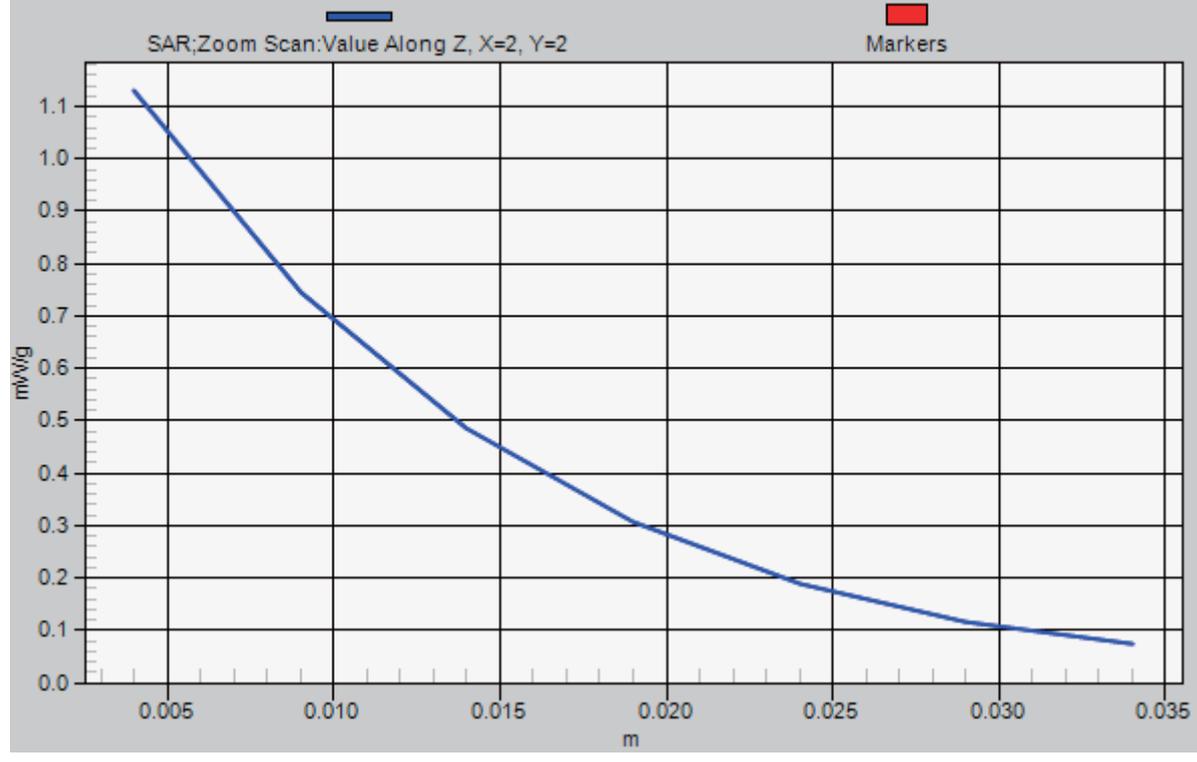
Reference Value = 10.296 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.547 W/kg

SAR(1 g) = 1.03 mW/g; SAR(10 g) = 0.634 mW/g

Maximum value of SAR (measured) = 1.130 mW/g

1g/10g Averaged SAR



#132 LTE Band 2_QPSK(1 99)_20M_Back_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.102 mW/g

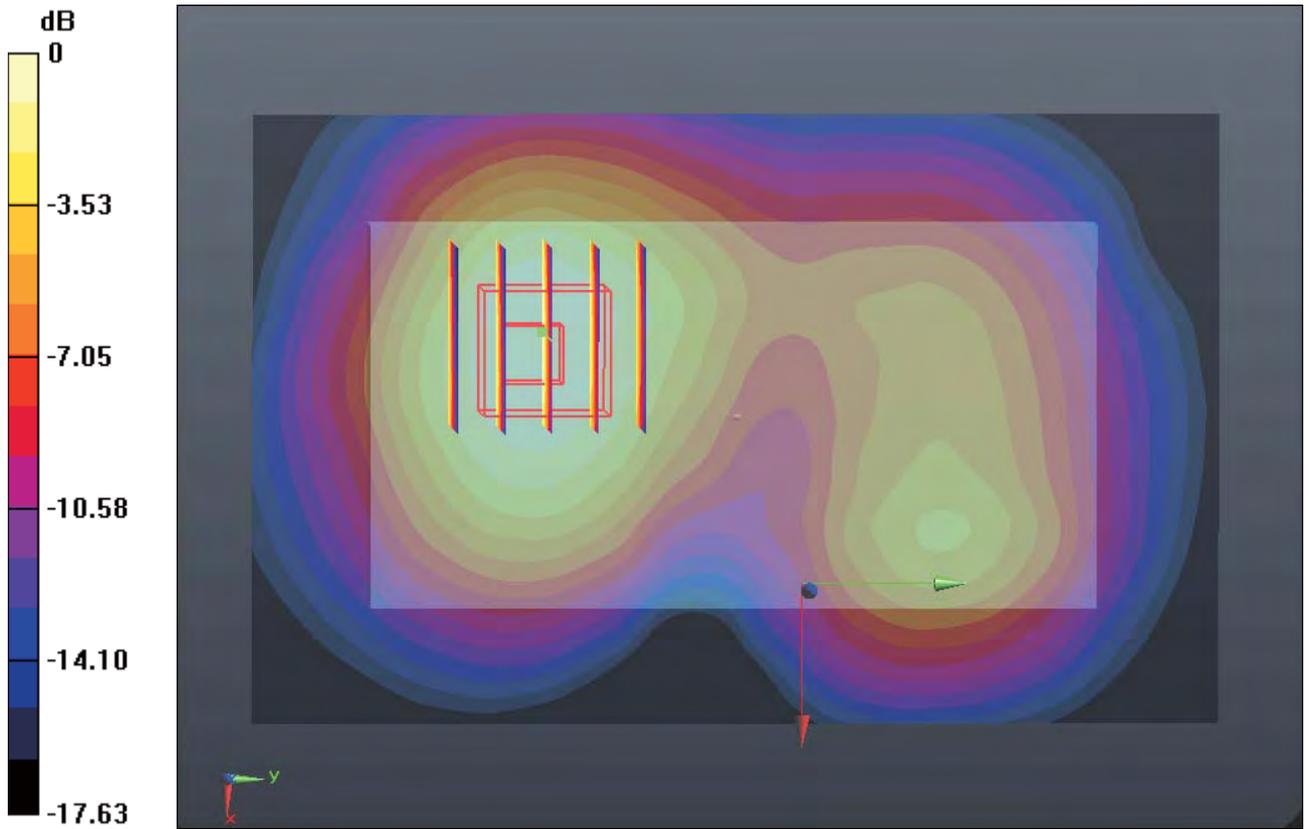
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.038 V/m; Power Drift = 0.00071 dB

Peak SAR (extrapolated) = 1.456 W/kg

SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.598 mW/g

Maximum value of SAR (measured) = 1.032 mW/g



0 dB = 1.030mW/g

#132 LTE Band 2_QPSK(1 99)_20M_Back_1cm_Ch18900_2D

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 1.102 mW/g

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

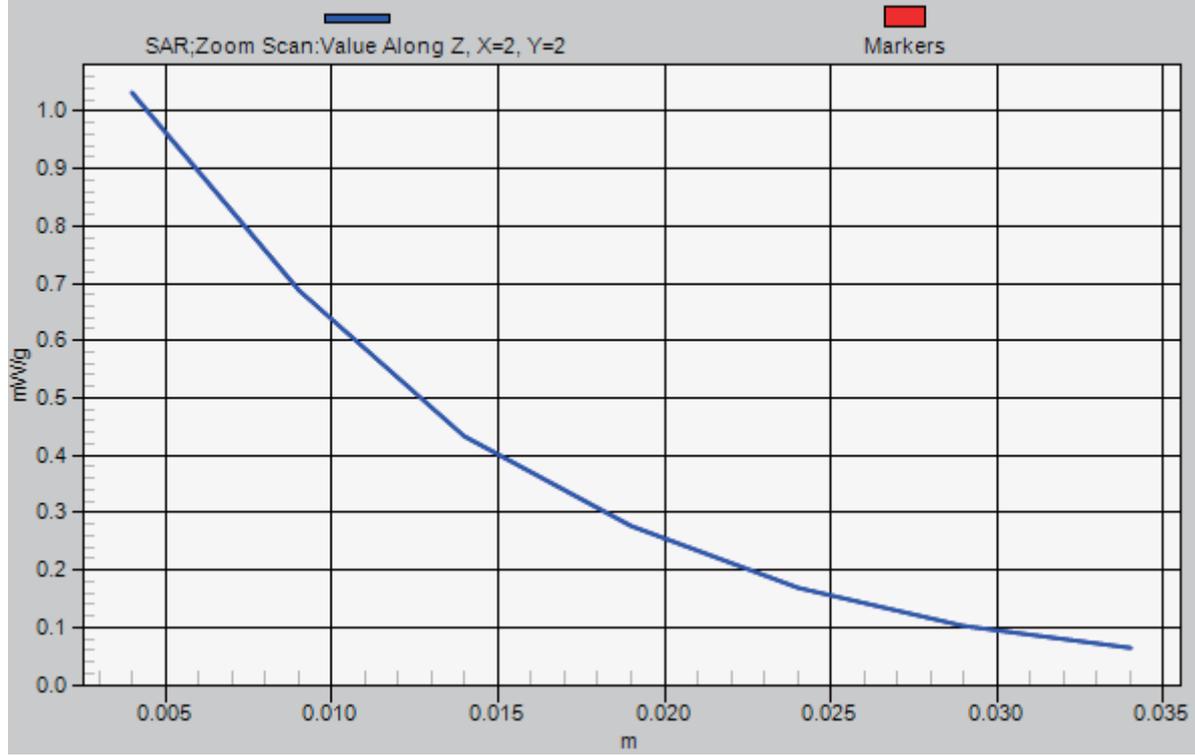
Reference Value = 11.038 V/m; Power Drift = 0.00071 dB

Peak SAR (extrapolated) = 1.456 W/kg

SAR(1 g) = 0.965 mW/g; SAR(10 g) = 0.598 mW/g

Maximum value of SAR (measured) = 1.032 mW/g

1g/10g Averaged SAR



#137 LTE Band 2_16QAM(50 25)_20M_Back_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.691 mW/g

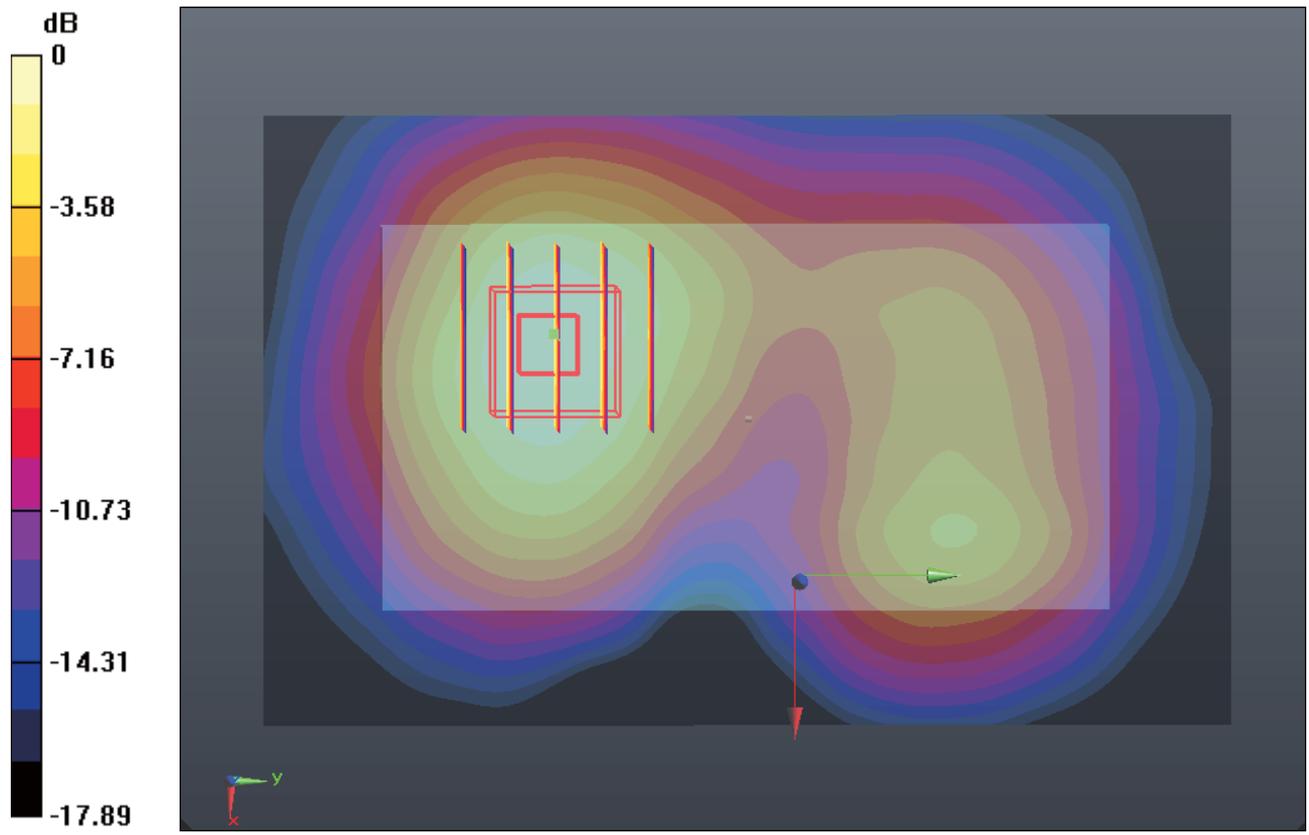
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.343 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.373 mW/g

Maximum value of SAR (measured) = 0.656 mW/g



0 dB = 0.660mW/g

#137 LTE Band 2_16QAM(50 25)_20M_Back_1cm_Ch18900_2D

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.691 mW/g

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

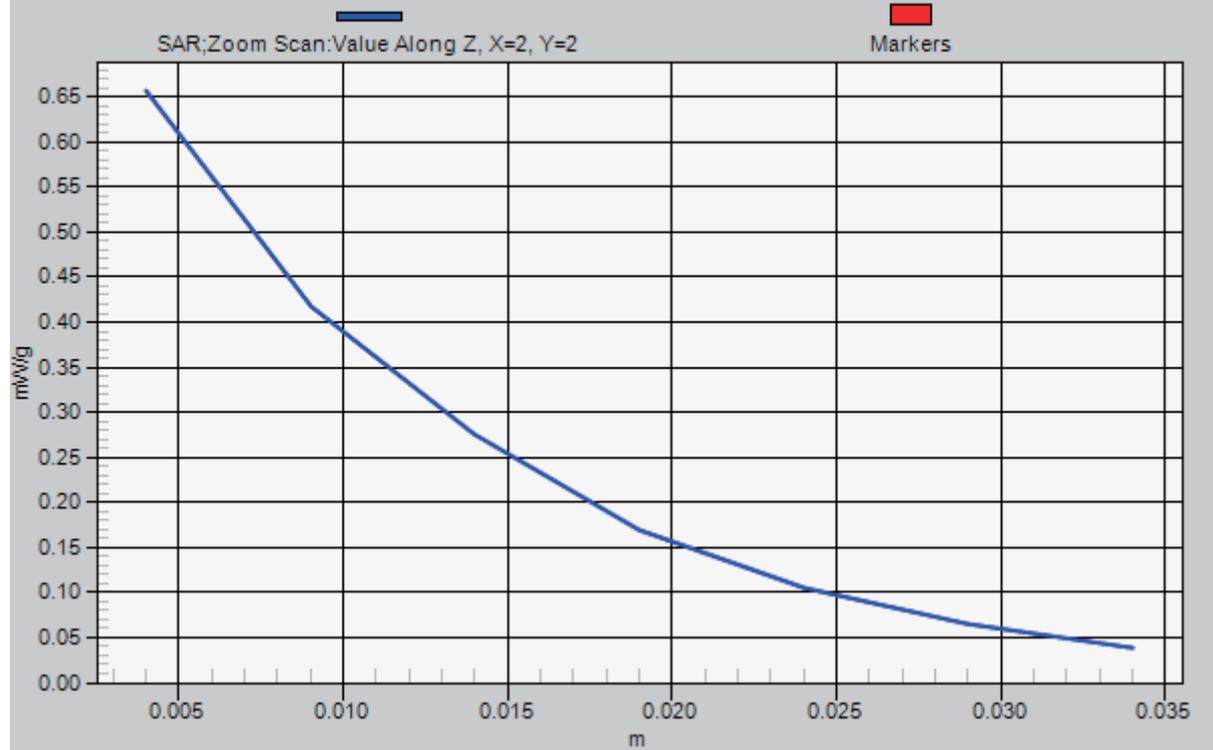
Reference Value = 8.343 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.936 W/kg

SAR(1 g) = 0.609 mW/g; SAR(10 g) = 0.373 mW/g

Maximum value of SAR (measured) = 0.656 mW/g

1g/10g Averaged SAR



#142 LTE Band 2_16QAM(1 0)_20M_Back_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.930 mW/g

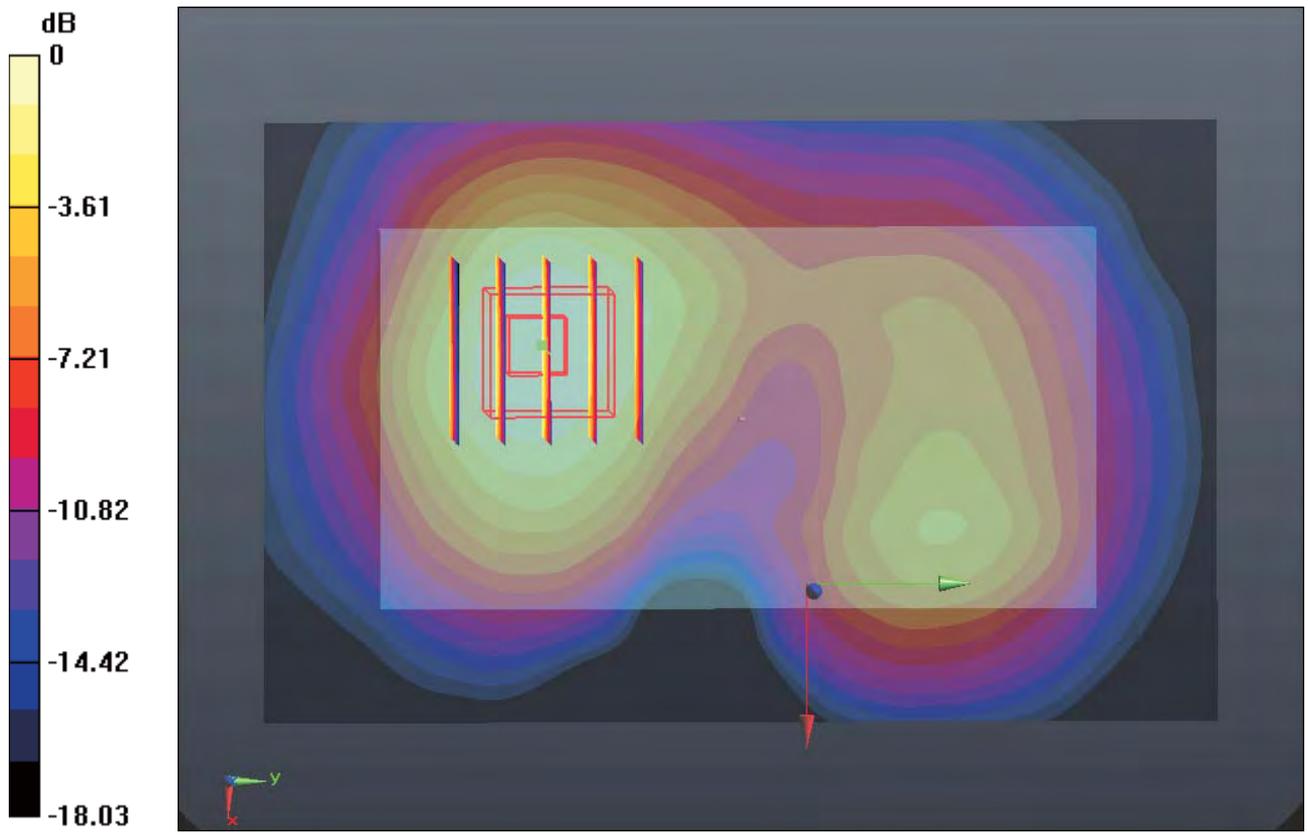
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.565 V/m; Power Drift = -0.00053 dB

Peak SAR (extrapolated) = 1.225 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.493 mW/g

Maximum value of SAR (measured) = 0.868 mW/g



0 dB = 0.870mW/g

#142 LTE Band 2_16QAM(1 0)_20M_Back_1cm_Ch18700_2D

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.930 mW/g

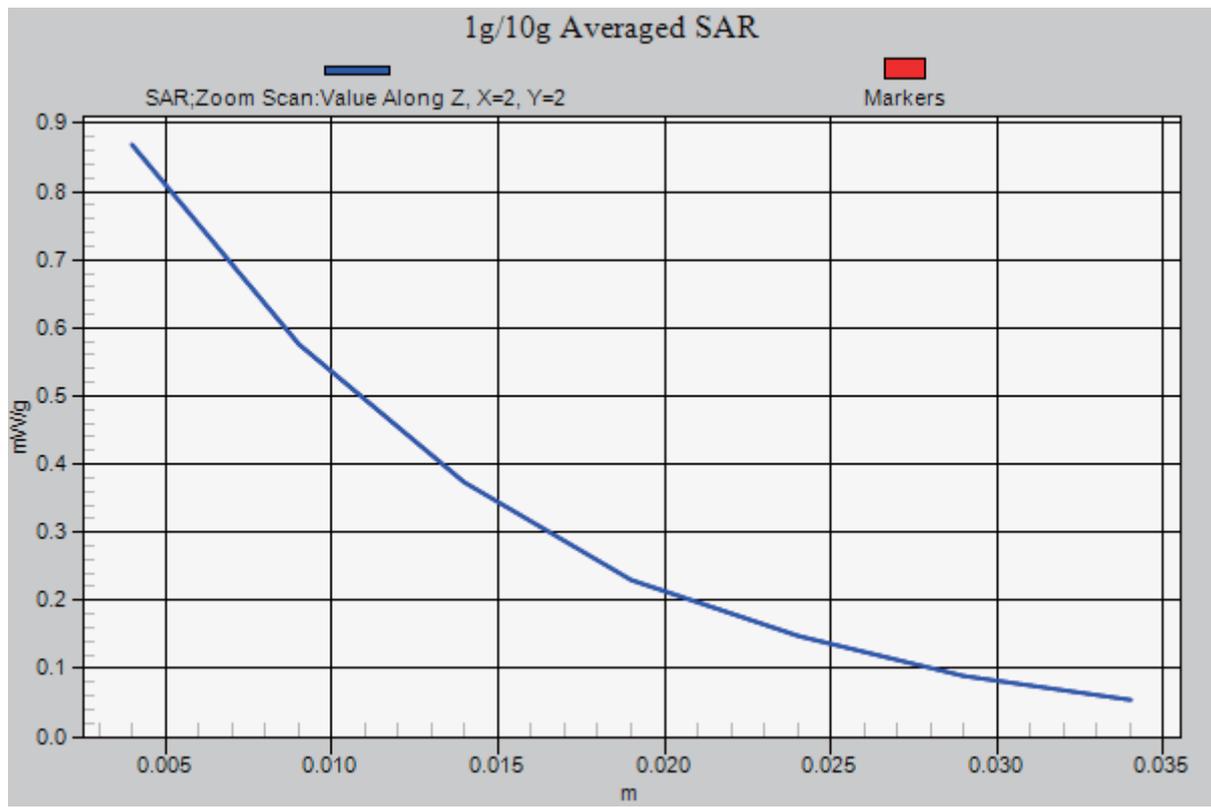
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.565 V/m; Power Drift = -0.00053 dB

Peak SAR (extrapolated) = 1.225 W/kg

SAR(1 g) = 0.804 mW/g; SAR(10 g) = 0.493 mW/g

Maximum value of SAR (measured) = 0.868 mW/g



#147 LTE Band 2_16QAM(1 99)_20M_Back_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.902 mW/g

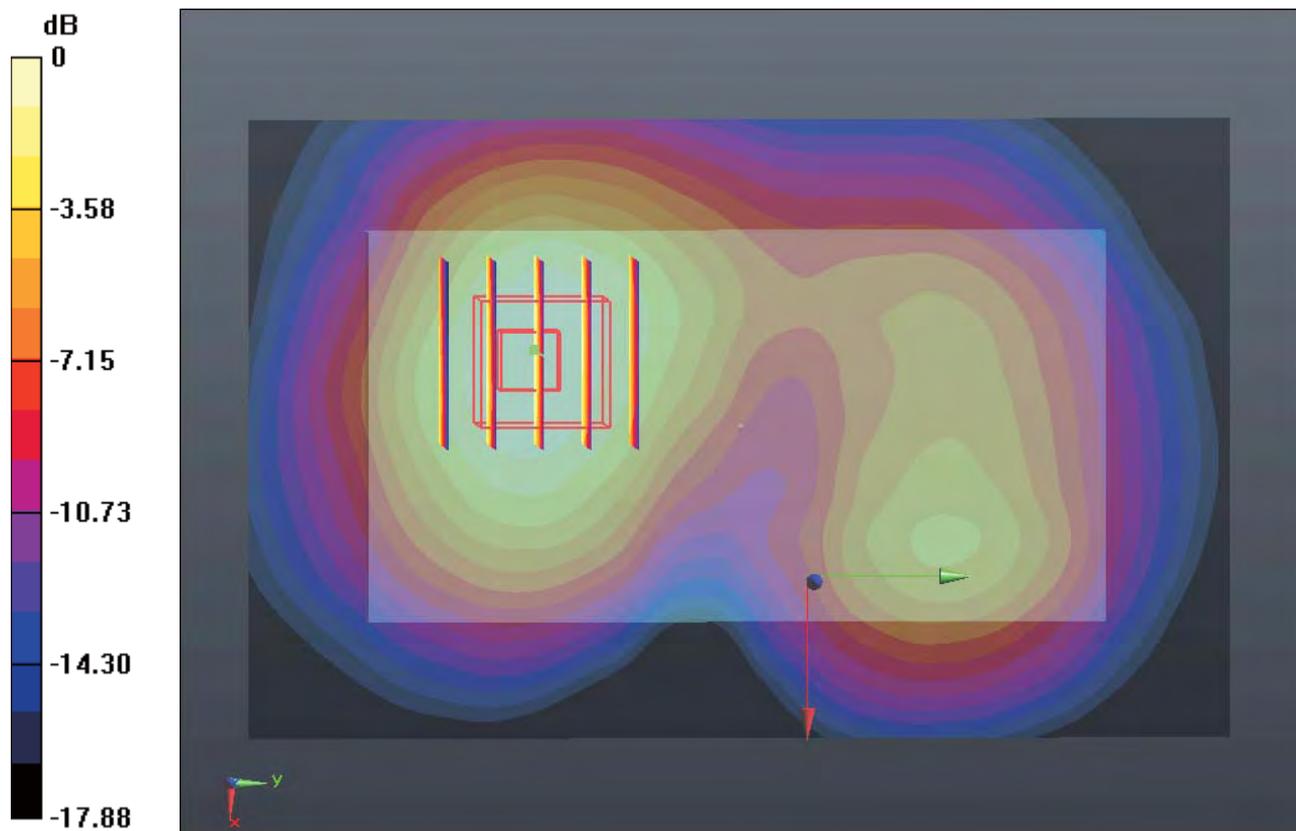
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.176 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.155 W/kg

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.856 mW/g



0 dB = 0.860mW/g

#147 LTE Band 2_16QAM(1 99)_20M_Back_1cm_Ch18700_2D

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.902 mW/g

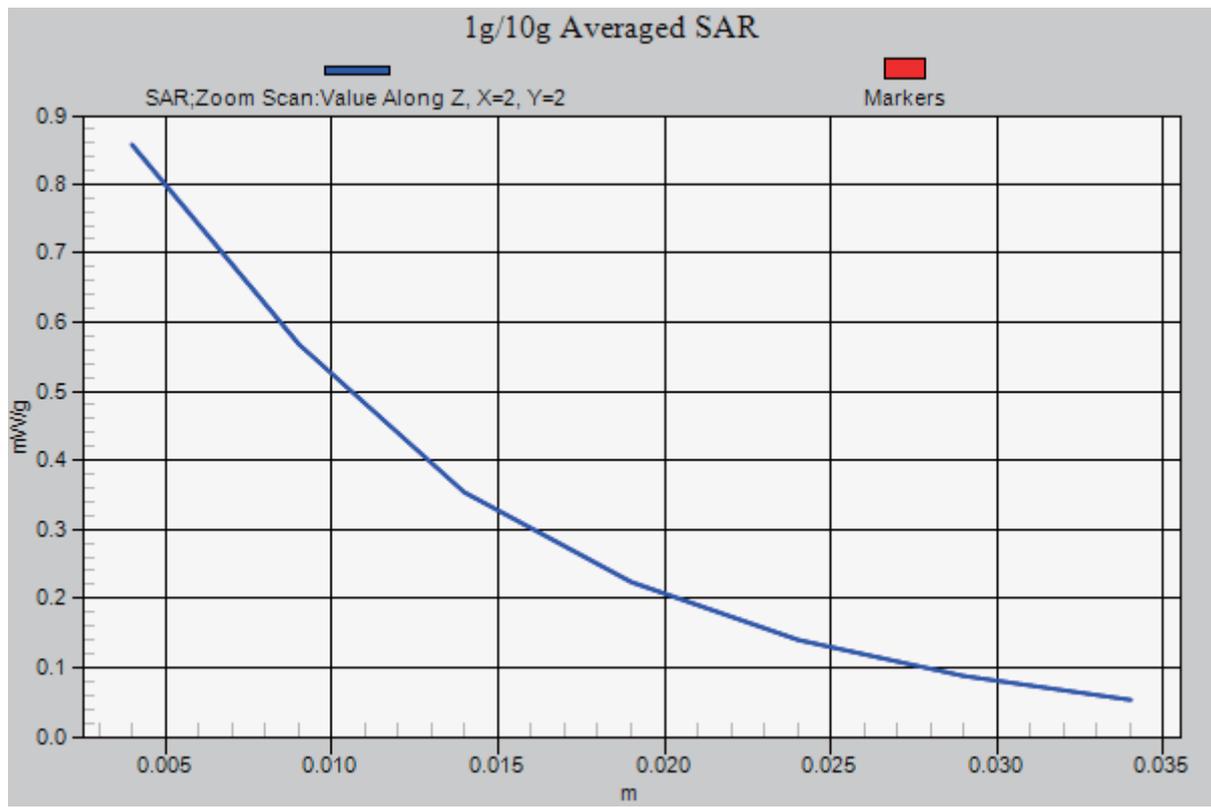
Ch18700/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.176 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.155 W/kg

SAR(1 g) = 0.788 mW/g; SAR(10 g) = 0.486 mW/g

Maximum value of SAR (measured) = 0.856 mW/g



#226 LTE Band 2_QPSK(1 0)_20M_Back_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120812 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.509$ mho/m; $\epsilon_r =$

54.703 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.4 °C ; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

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

Maximum value of SAR (interpolated) = 0.399 mW/g

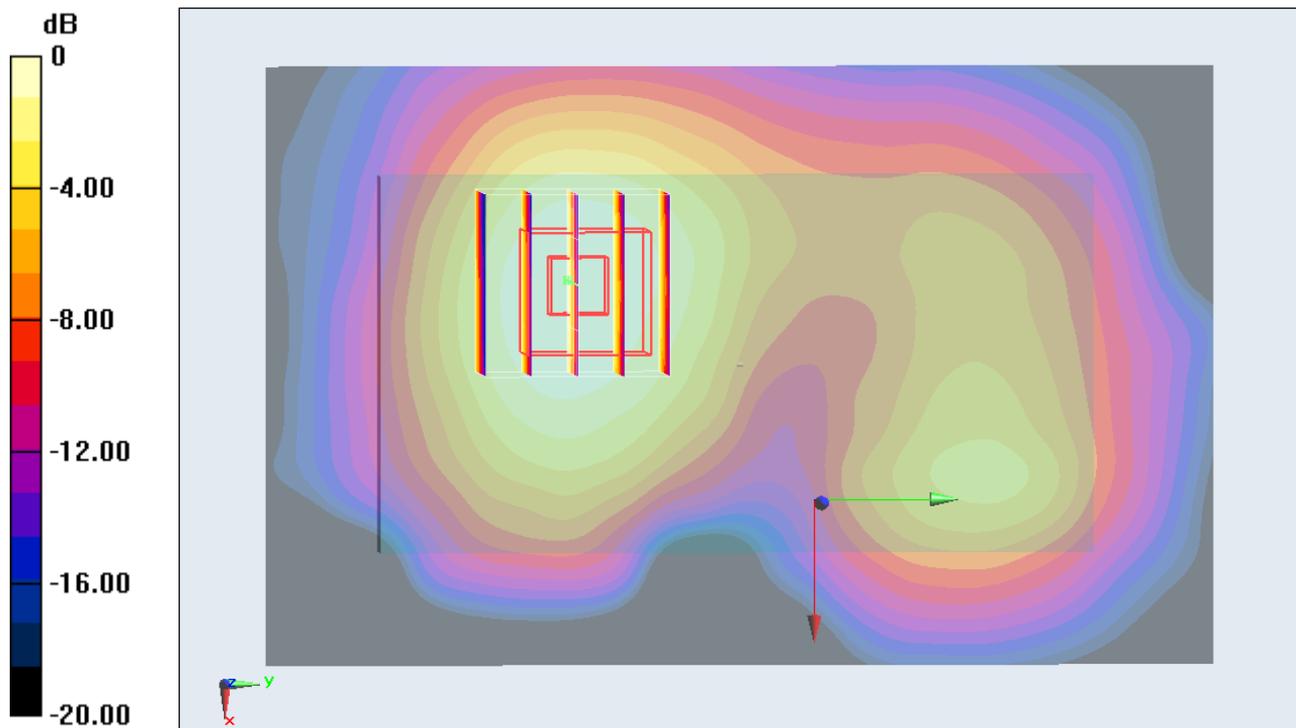
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.651 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.519 W/kg

SAR(1 g) = 0.346 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.369 mW/g



0 dB = 0.370mW/g

#123 LTE Band 2_QPSK(50 25)_20M_Right Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.470 mW/g

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

Reference Value = 12.644 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.696 W/kg

SAR(1 g) = 0.423 mW/g; SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.463 mW/g

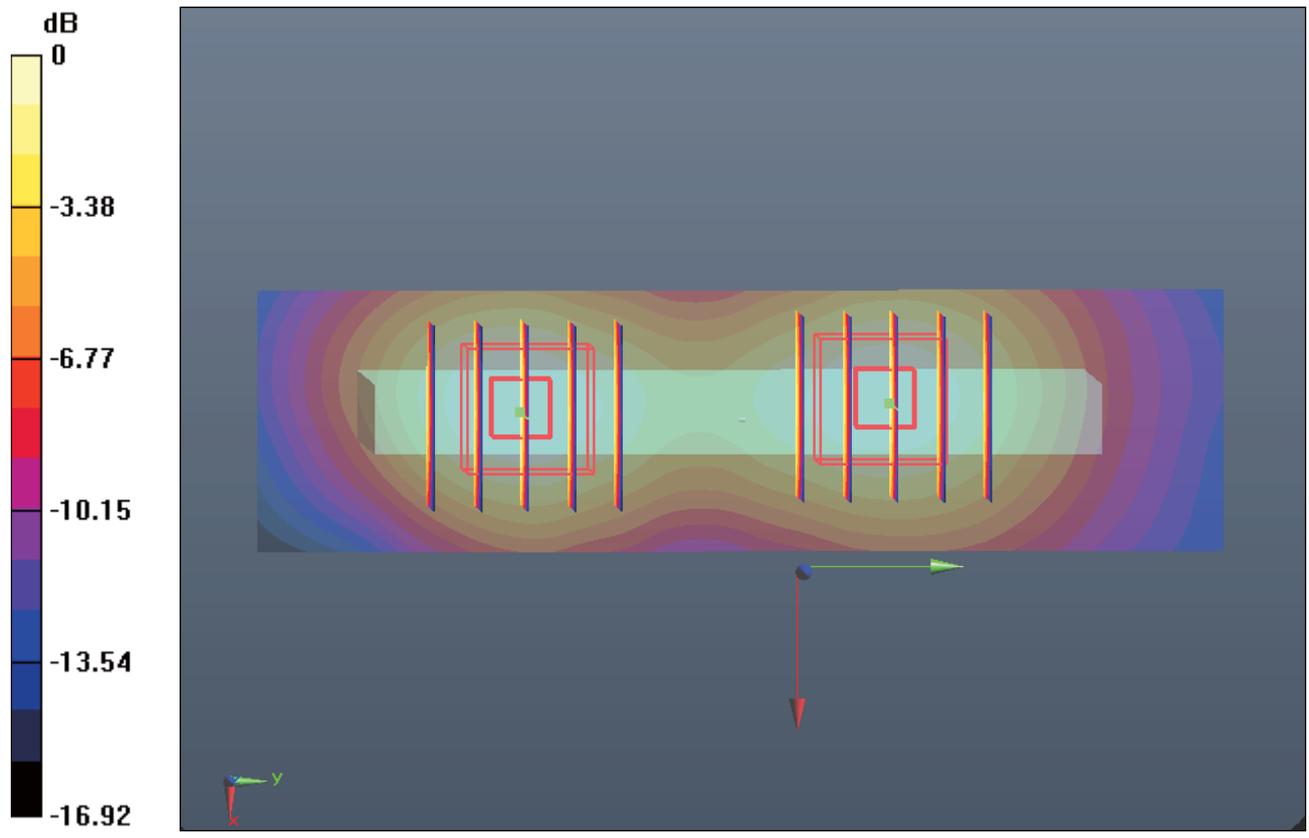
Ch18900/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.644 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.396 mW/g; SAR(10 g) = 0.233 mW/g

Maximum value of SAR (measured) = 0.436 mW/g



0 dB = 0.440mW/g

#128 LTE Band 2_QPSK(1 0)_20M_Right Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.594 mW/g

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

Reference Value = 14.427 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.837 W/kg

SAR(1 g) = 0.521 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.578 mW/g

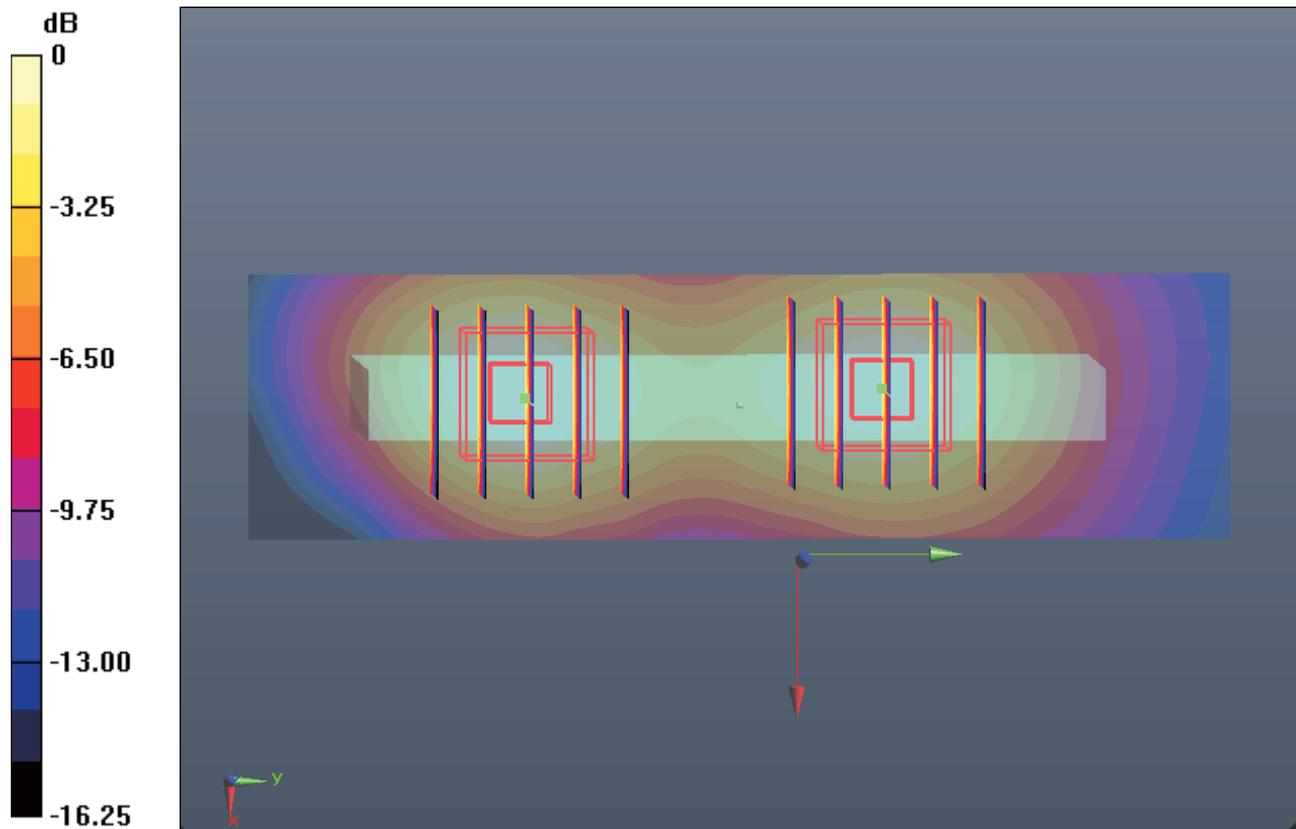
Ch18900/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.427 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.774 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.305 mW/g

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



0 dB = 0.560mW/g

#133 LTE Band 2_QPSK(1 99)_20M_Right Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.623 mW/g

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

Reference Value = 14.122 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.898 W/kg

SAR(1 g) = 0.538 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.586 mW/g

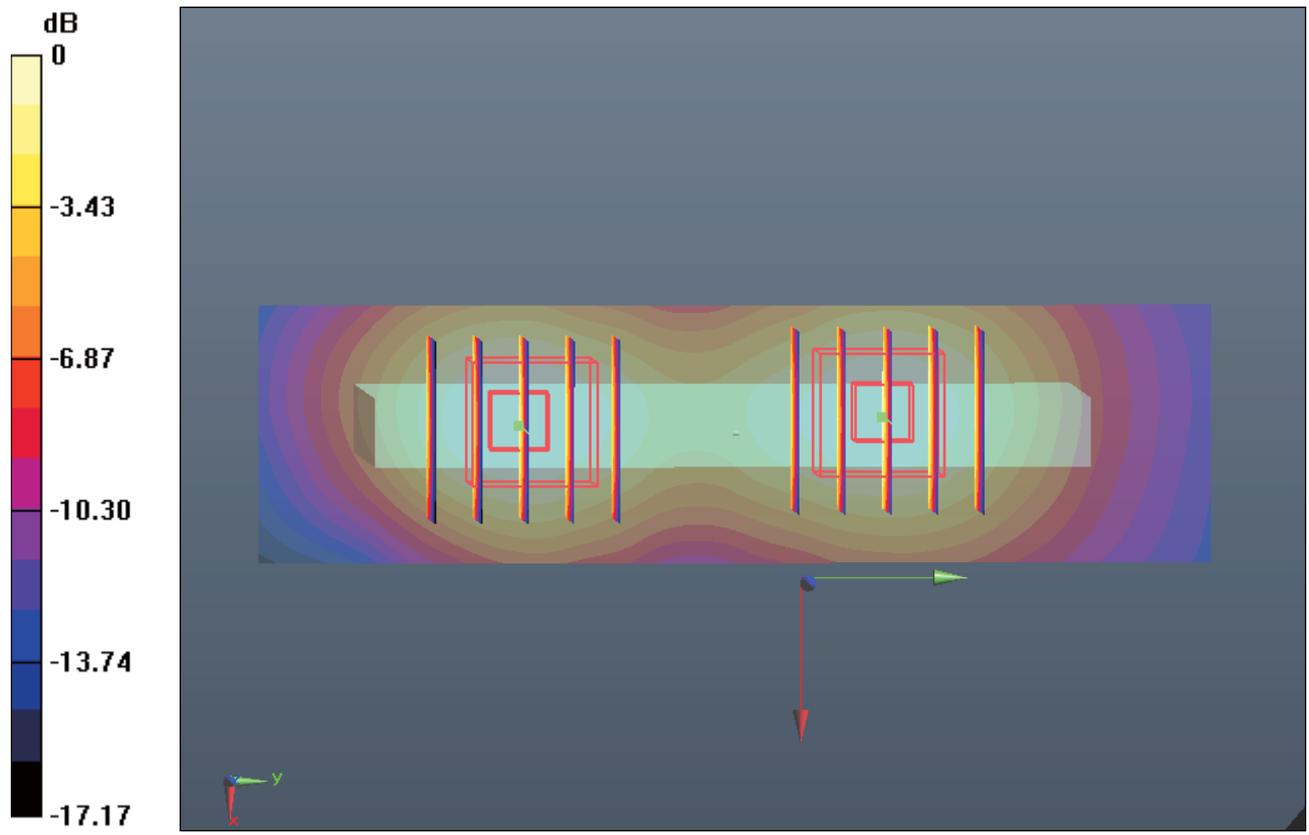
Ch18900/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.122 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.800 W/kg

SAR(1 g) = 0.504 mW/g; SAR(10 g) = 0.297 mW/g

Maximum value of SAR (measured) = 0.549 mW/g



0 dB = 0.550mW/g

#138 LTE Band 2_16QAM(50 25)_20M_Right Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.368 mW/g

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

Reference Value = 11.188 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.547 W/kg

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.186 mW/g

Maximum value of SAR (measured) = 0.367 mW/g

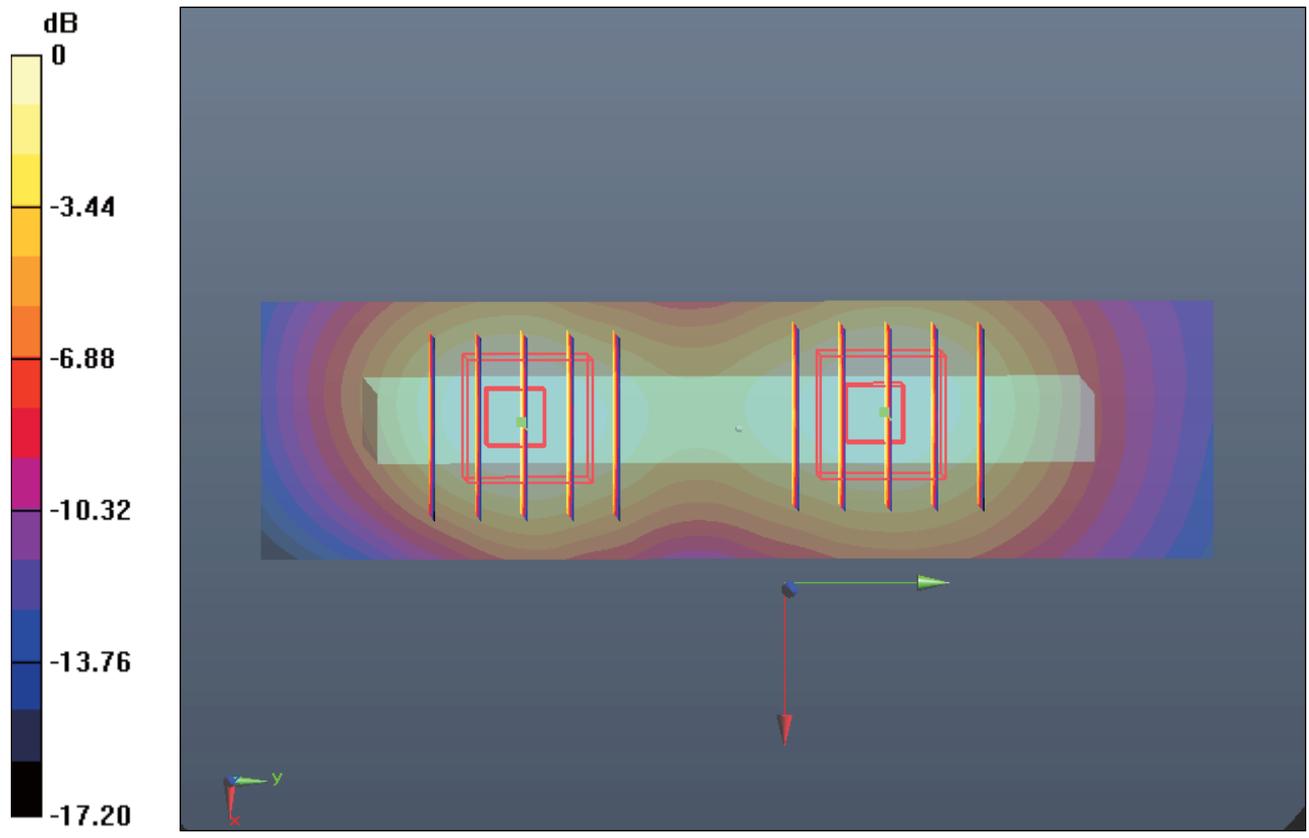
Ch18900/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.188 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.469 W/kg

SAR(1 g) = 0.304 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.330 mW/g



0 dB = 0.330mW/g

#143 LTE Band 2_16QAM(1 0)_20M_Right Side_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.486 mW/g

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

Reference Value = 13.693 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.698 W/kg

SAR(1 g) = 0.424 mW/g; SAR(10 g) = 0.241 mW/g

Maximum value of SAR (measured) = 0.463 mW/g

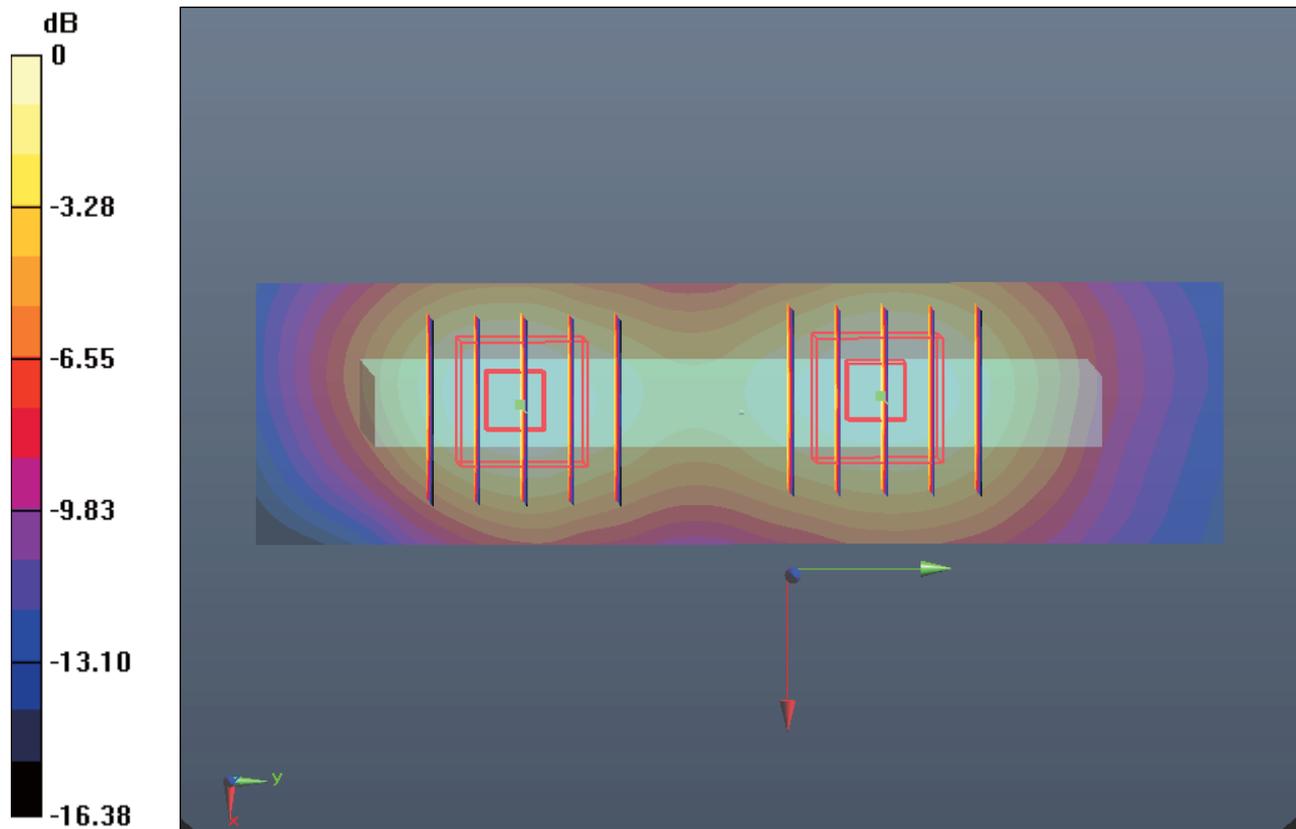
Ch18700/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.693 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.640 W/kg

SAR(1 g) = 0.411 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.453 mW/g



0 dB = 0.450mW/g

#148 LTE Band 2_16QAM(1 99)_20M_Right Side_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (31x111x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.504 mW/g

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

Reference Value = 13.316 V/m; Power Drift = 0.0094 dB

Peak SAR (extrapolated) = 0.726 W/kg

SAR(1 g) = 0.441 mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 0.486 mW/g

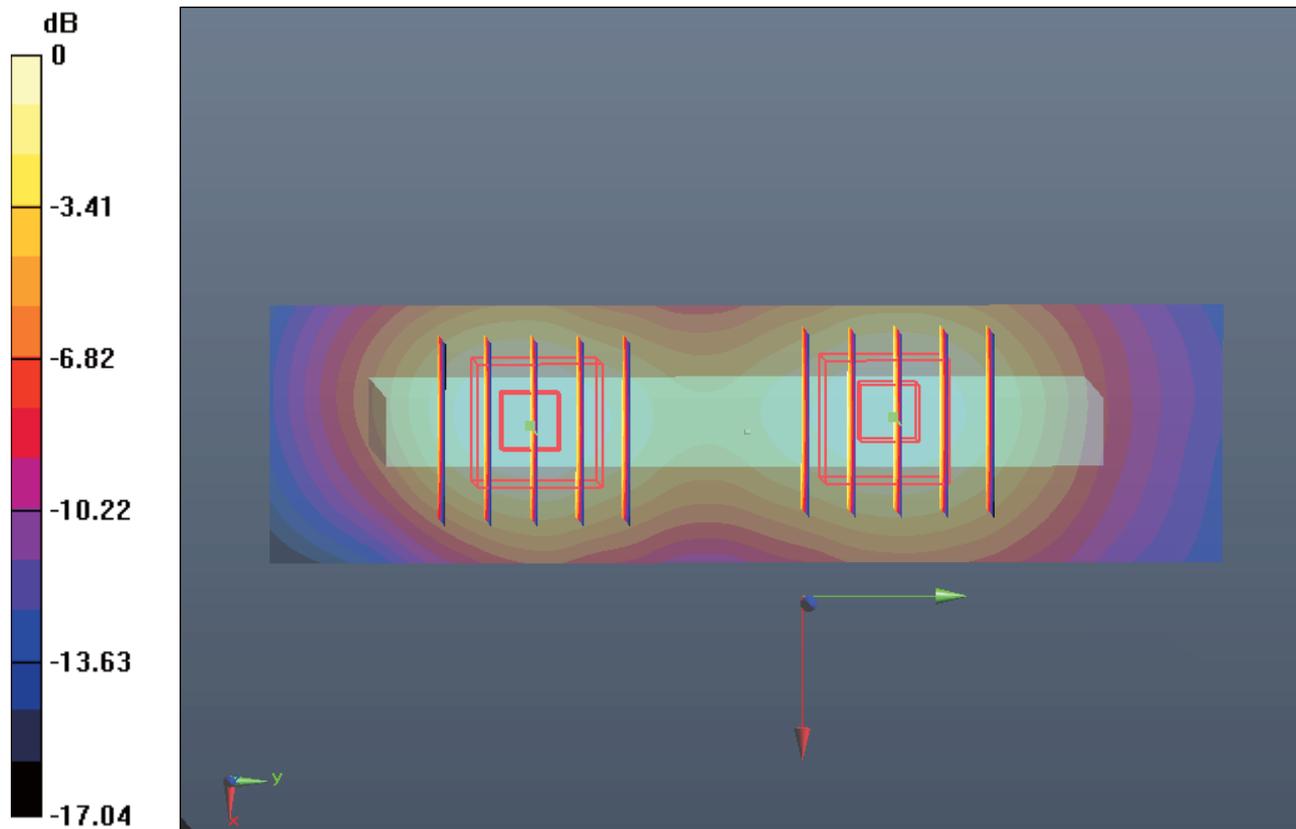
Ch18700/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.316 V/m; Power Drift = 0.0094 dB

Peak SAR (extrapolated) = 0.661 W/kg

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.249 mW/g

Maximum value of SAR (measured) = 0.460 mW/g



#124 LTE Band 2_QPSK(50 25)_20M_Bottom Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.084 mW/g

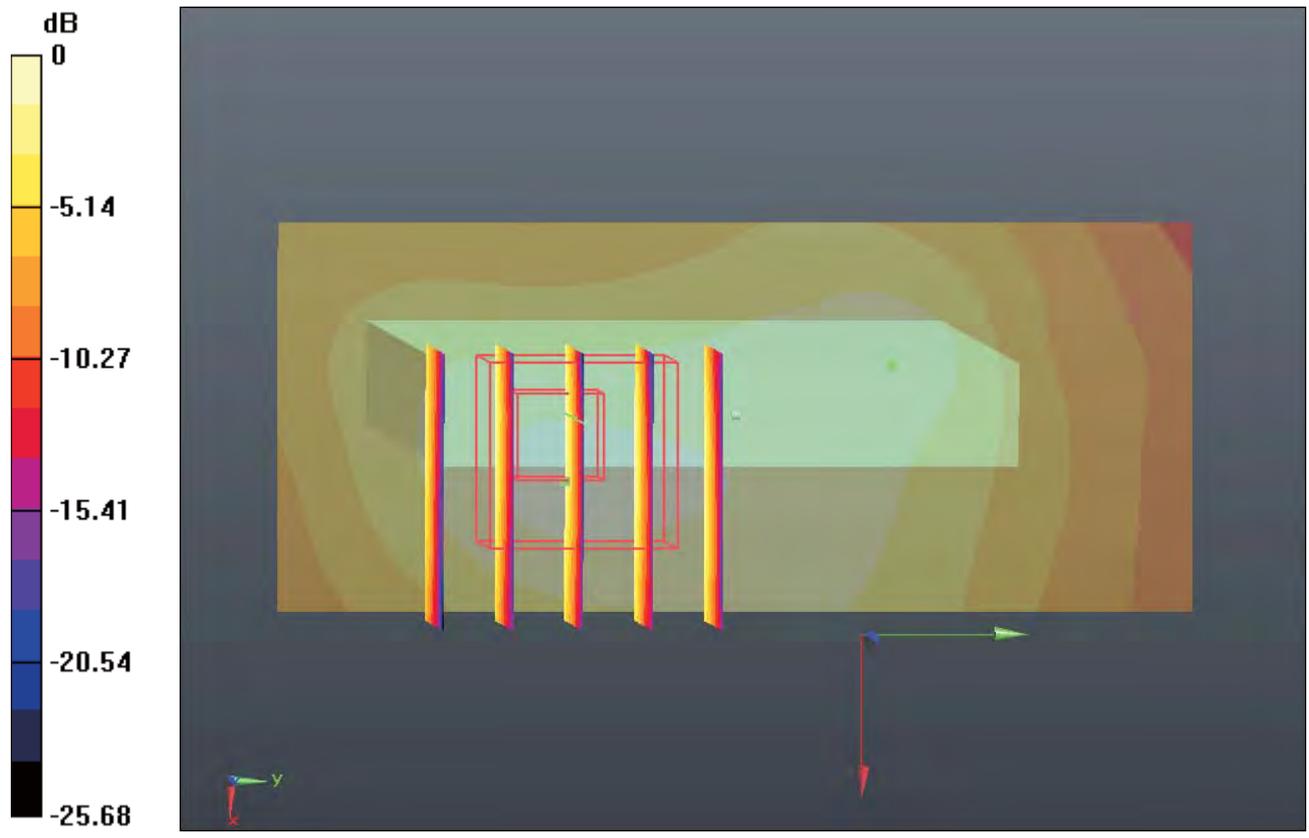
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.118 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.149 W/kg

SAR(1 g) = 0.085 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.096 mW/g



0 dB = 0.100mW/g

#129 LTE Band 2_QPSK(1 0)_20M_Bottom Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.120 mW/g

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

Reference Value = 7.768 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.215 W/kg

SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.065 mW/g

Maximum value of SAR (measured) = 0.127 mW/g

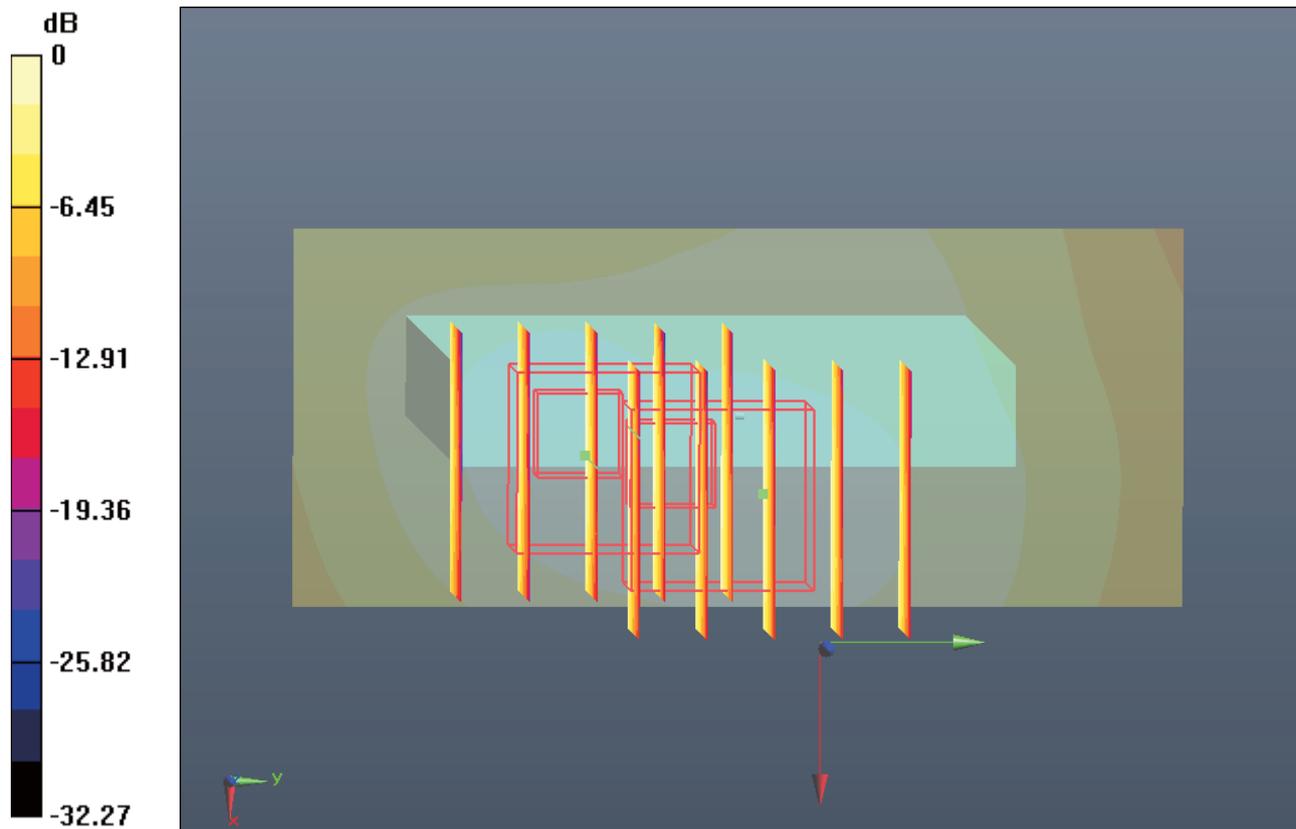
Ch18900/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.768 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.182 W/kg

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.120 mW/g



0 dB = 0.120mW/g

#134 LTE Band 2_QPSK(1 99)_20M_Bottom Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.129 mW/g

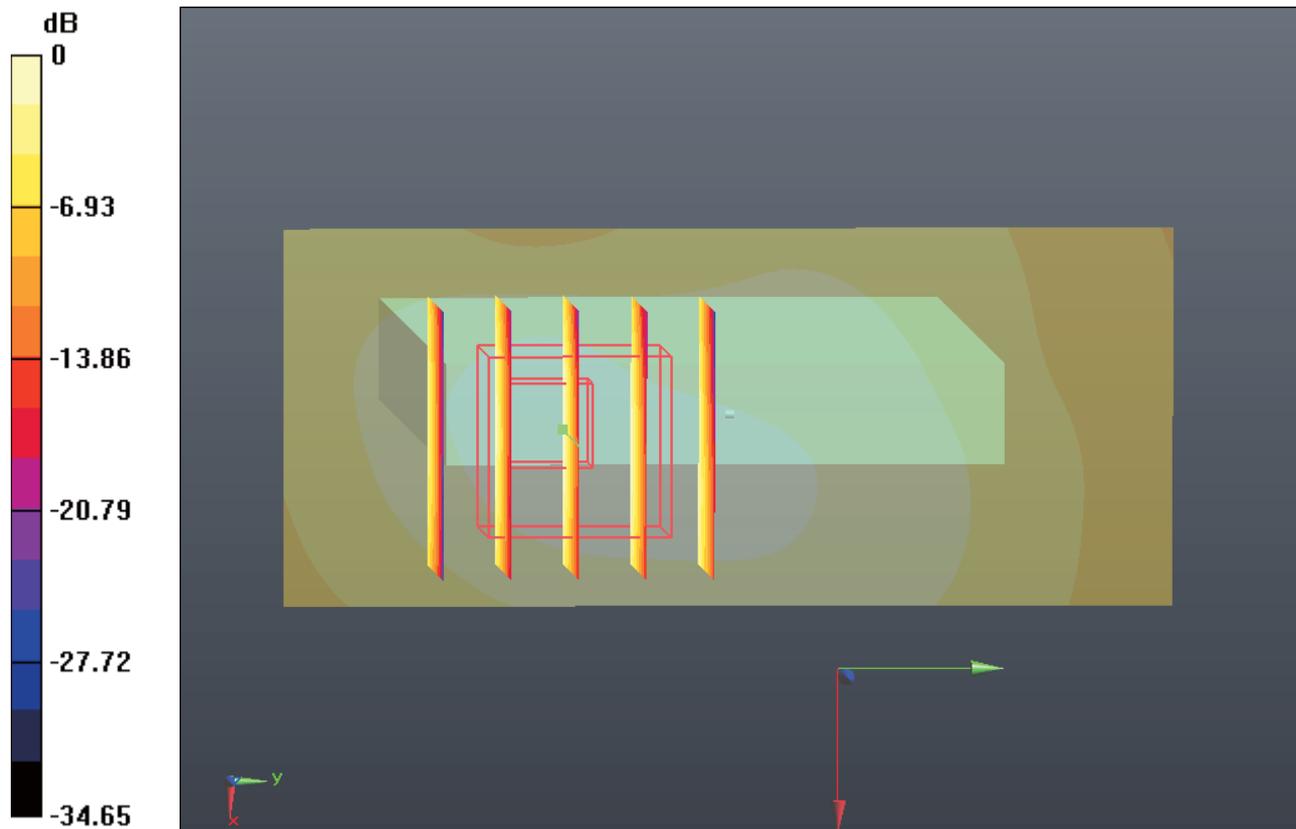
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.666 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.127 mW/g; SAR(10 g) = 0.067 mW/g

Maximum value of SAR (measured) = 0.145 mW/g



#139 LTE Band 2_16QAM(50 25)_20M_Bottom Side_1cm_Ch18900

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.513$ mho/m; $\epsilon_r =$

54.609; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20
- Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18
- Phantom: SAM2; Type: SAM; Serial: TP-1477
- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18900/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.068 mW/g

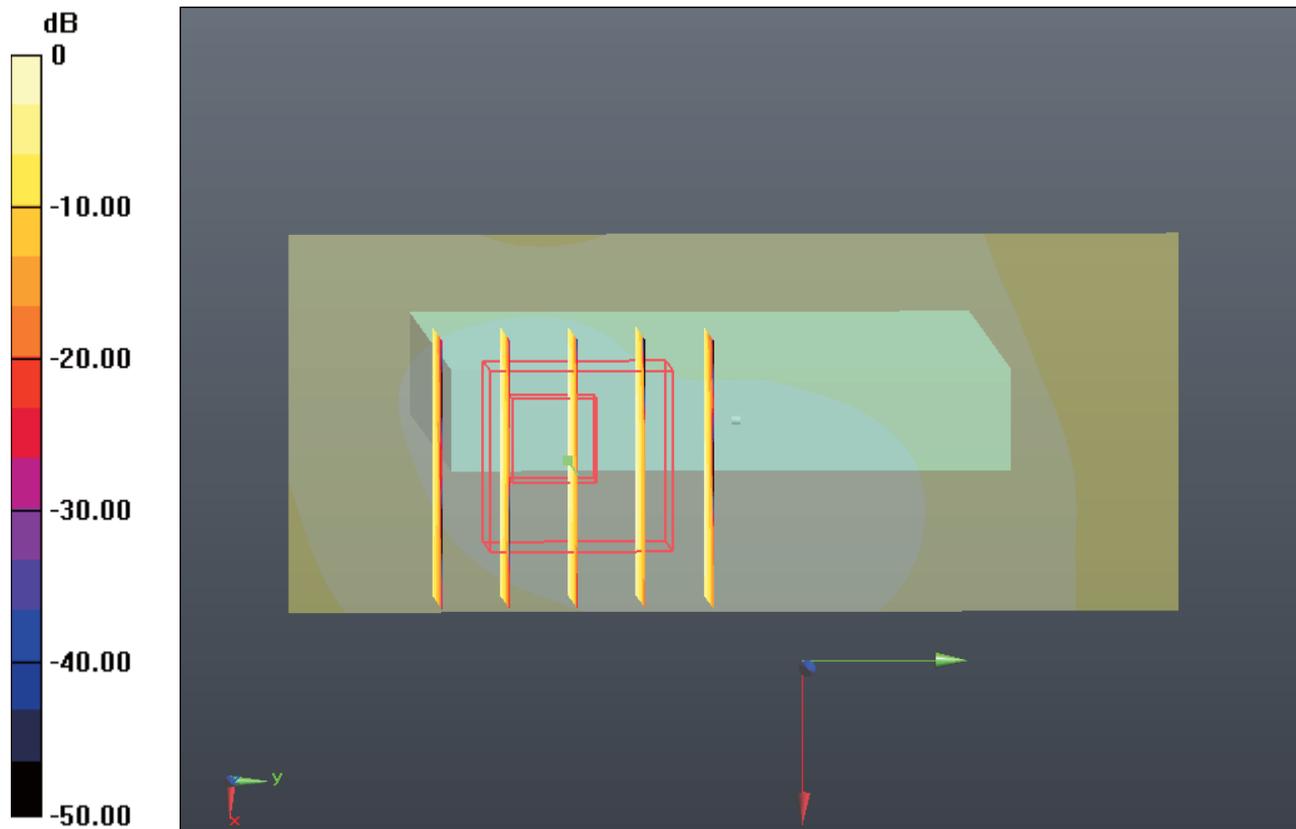
Ch18900/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.292 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.125 W/kg

SAR(1 g) = 0.068 mW/g; SAR(10 g) = 0.035 mW/g

Maximum value of SAR (measured) = 0.072 mW/g



0 dB = 0.070mW/g

#144 LTE Band 2_16QAM(1 0)_20M_Bottom Side_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (41x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.061 mW/g

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

Reference Value = 5.476 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.092 W/kg

SAR(1 g) = 0.053 mW/g; SAR(10 g) = 0.030 mW/g

Maximum value of SAR (measured) = 0.061 mW/g

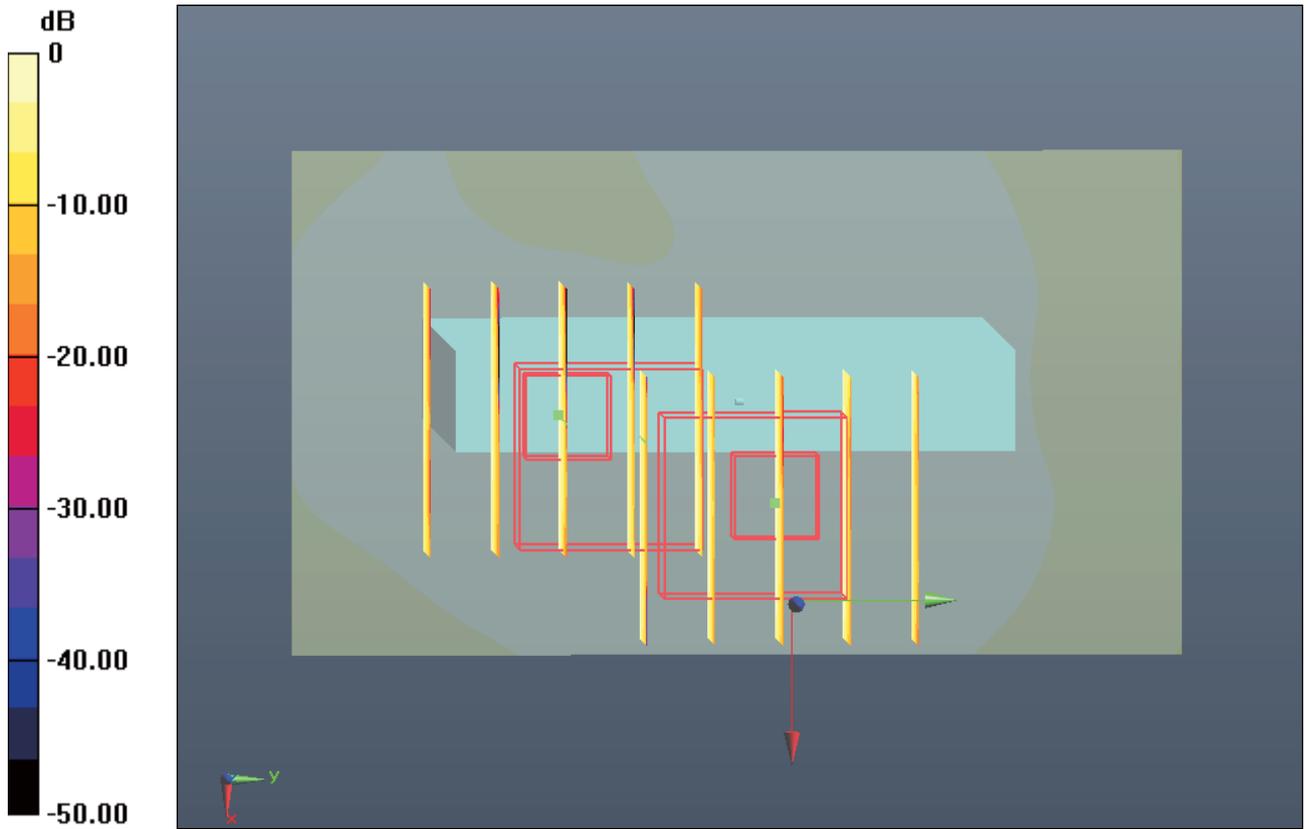
Ch18700/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.476 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.105 W/kg

SAR(1 g) = 0.050 mW/g; SAR(10 g) = 0.031 mW/g

Maximum value of SAR (measured) = 0.055 mW/g



0 dB = 0.050mW/g

#149 LTE Band 2_16QAM(1 99)_20M_Bottom Side_1cm_Ch18700

DUT: 271302

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

Medium: MSL_1900_120731 Medium parameters used: $f = 1860$ MHz; $\sigma = 1.486$ mho/m; $\epsilon_r =$

54.647 ; $\rho = 1000$ kg/m³

Ambient Temperature : 23.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3857; ConvF(7.35, 7.35, 7.35); Calibrated: 2012-6-20

- Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1210; Calibrated: 2011-11-18

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

- Measurement SW: DASY52, Version 52.8 (0); SEMCAD X Version 14.4.5 (3634)

Ch18700/Area Scan (31x71x1): Measurement grid: dx=15mm, dy=15mm

Maximum value of SAR (interpolated) = 0.072 mW/g

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

Reference Value = 6.420 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.116 W/kg

SAR(1 g) = 0.067 mW/g; SAR(10 g) = 0.038 mW/g

Maximum value of SAR (measured) = 0.075 mW/g

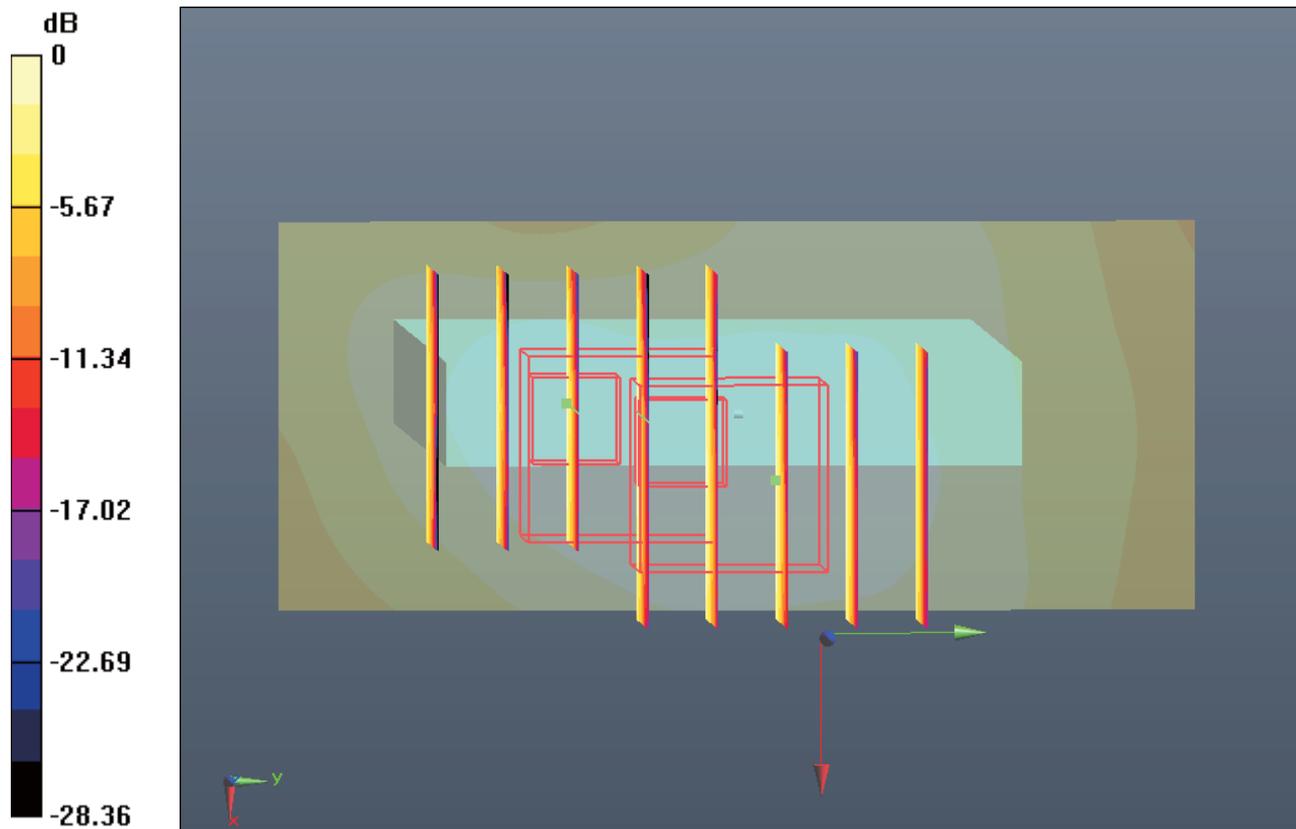
Ch18700/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.420 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.109 W/kg

SAR(1 g) = 0.061 mW/g; SAR(10 g) = 0.037 mW/g

Maximum value of SAR (measured) = 0.071 mW/g



0 dB = 0.070mW/g