



Appendix B. SAR Plots of SAR Measurement

The plots for SAR measurement are shown as follows.

P07 CDMA2000 BC0_RC3+SO55_Right Cheek_Ch1013**DUT: 120822C31**

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

Medium: H835_0901 Medium parameters used: $f = 825$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.854$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Area Scan (51x81x1): Measurement grid: dx=20 mm, dy=20 mm

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

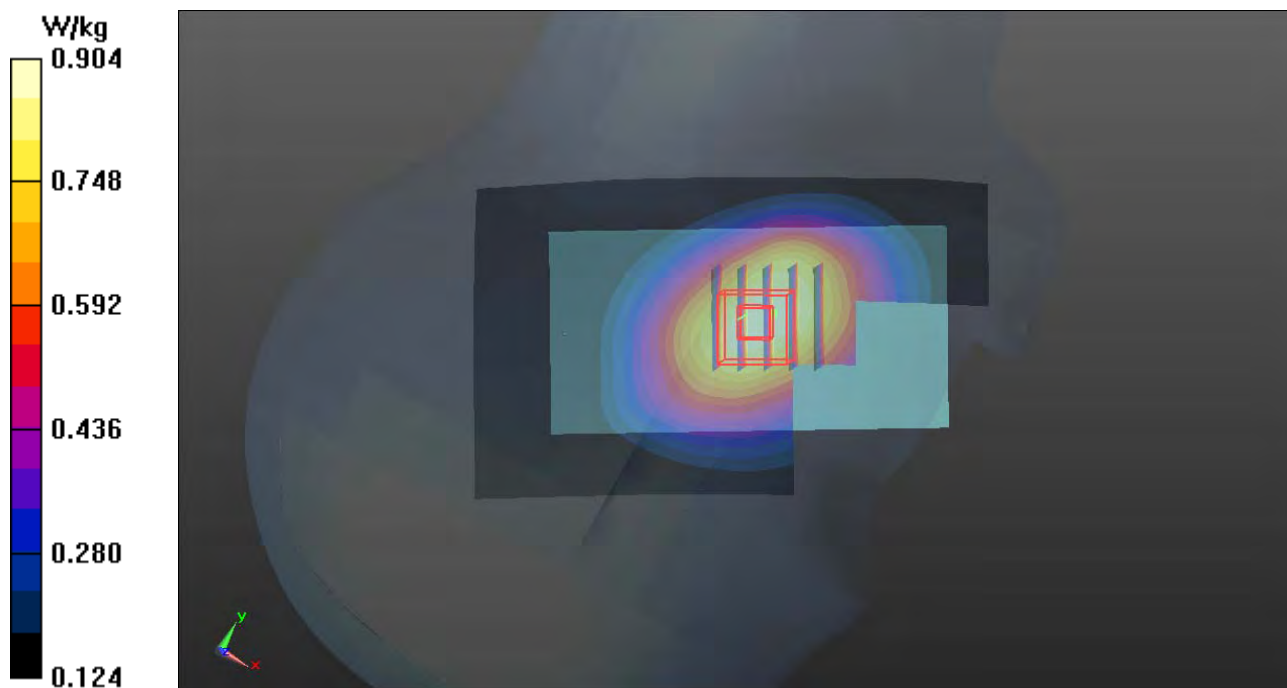
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.649 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.994 mW/g

SAR(1 g) = 0.808 mW/g; SAR(10 g) = 0.616 mW/g

Maximum value of SAR (measured) = 0.904 W/kg



P08 CDMA2000 BC0_RC3+SO55_Right Tilted_Ch1013**DUT: 120822C31**

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

Medium: H835_0901 Medium parameters used: $f = 825$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.854$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.482 W/kg

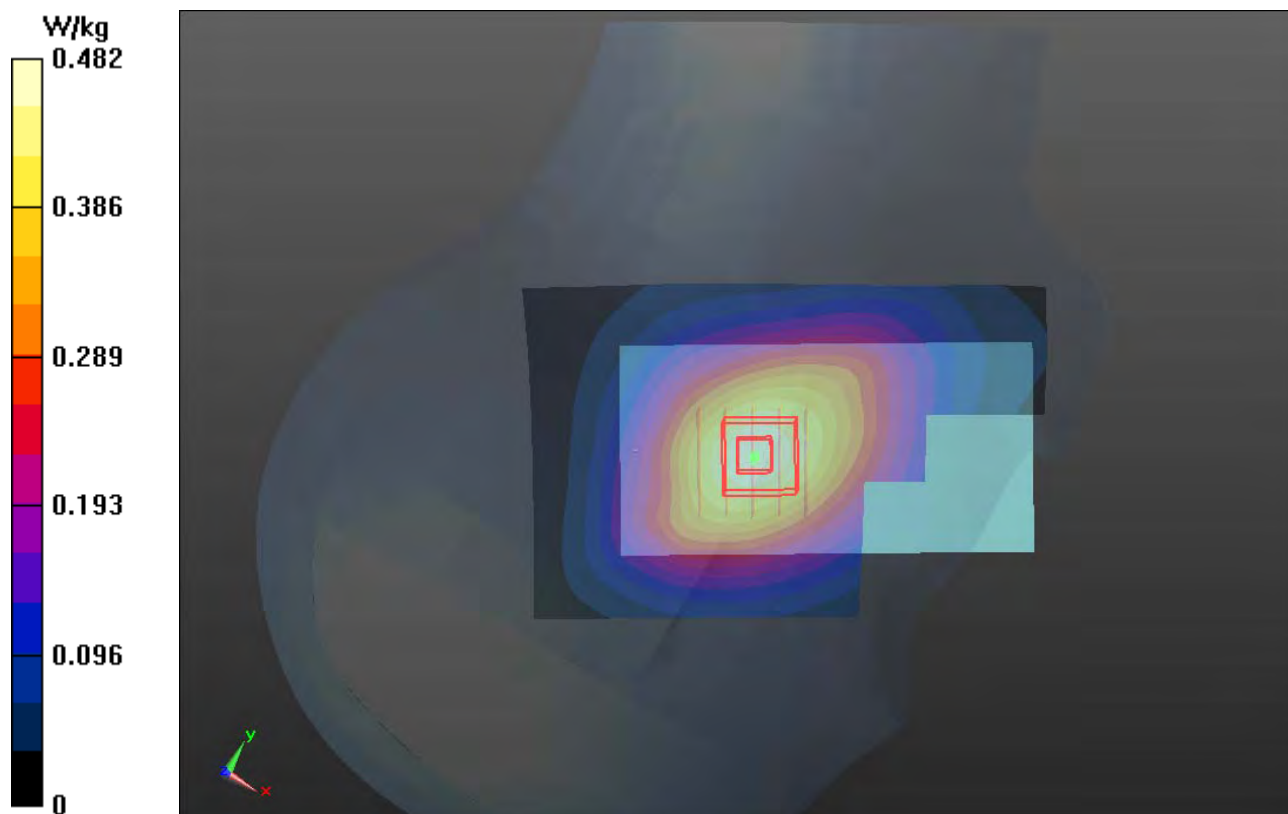
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.071 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.512 mW/g

SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.473 W/kg



P09 CDMA2000 BC0_RC3+SO55_Left Cheek_Ch1013**DUT: 120822C31**

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

Medium: H835_0901 Medium parameters used: $f = 825$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.854$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.887 W/kg

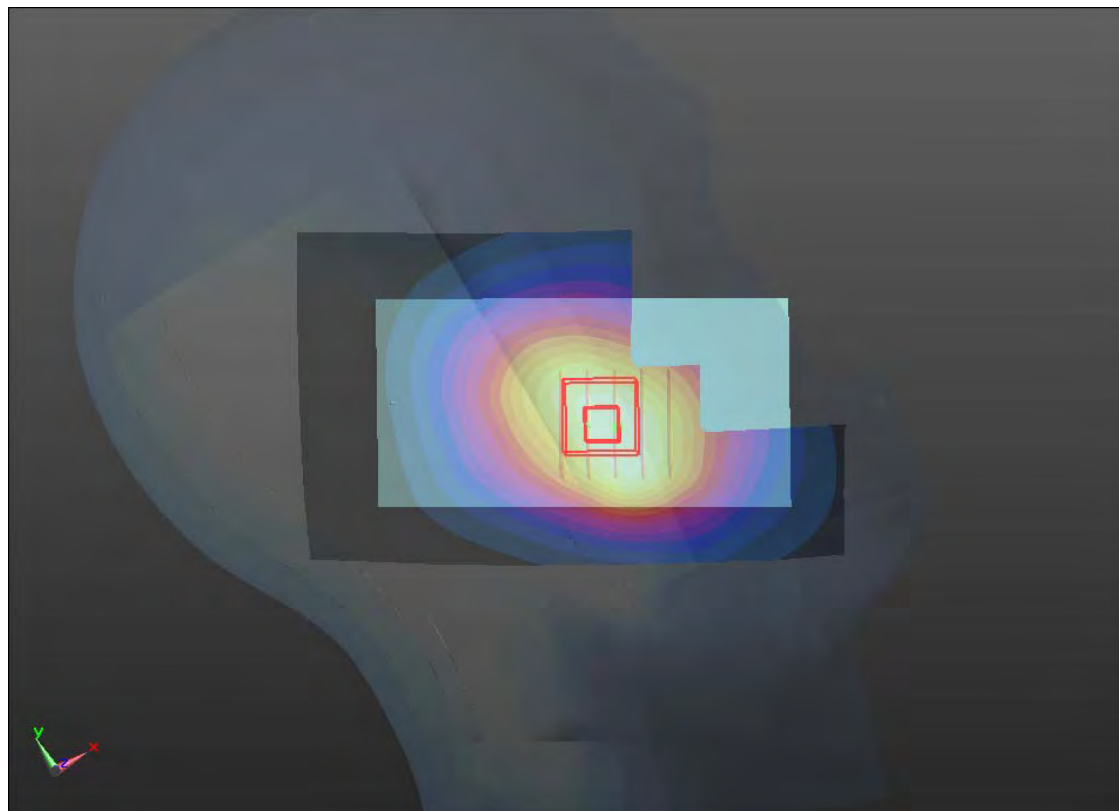
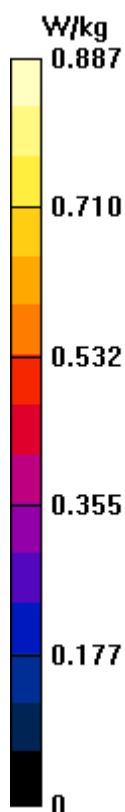
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.871 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.006 mW/g

SAR(1 g) = 0.817 mW/g; SAR(10 g) = 0.623 mW/g

Maximum value of SAR (measured) = 0.915 W/kg



P10 CDMA2000 BC0_RC3+SO55_Left Tilted_Ch1013**DUT: 120822C31**

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

Medium: H835_0901 Medium parameters used: $f = 825$ MHz; $\sigma = 0.906$ mho/m; $\epsilon_r = 42.854$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch1013/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.578 W/kg

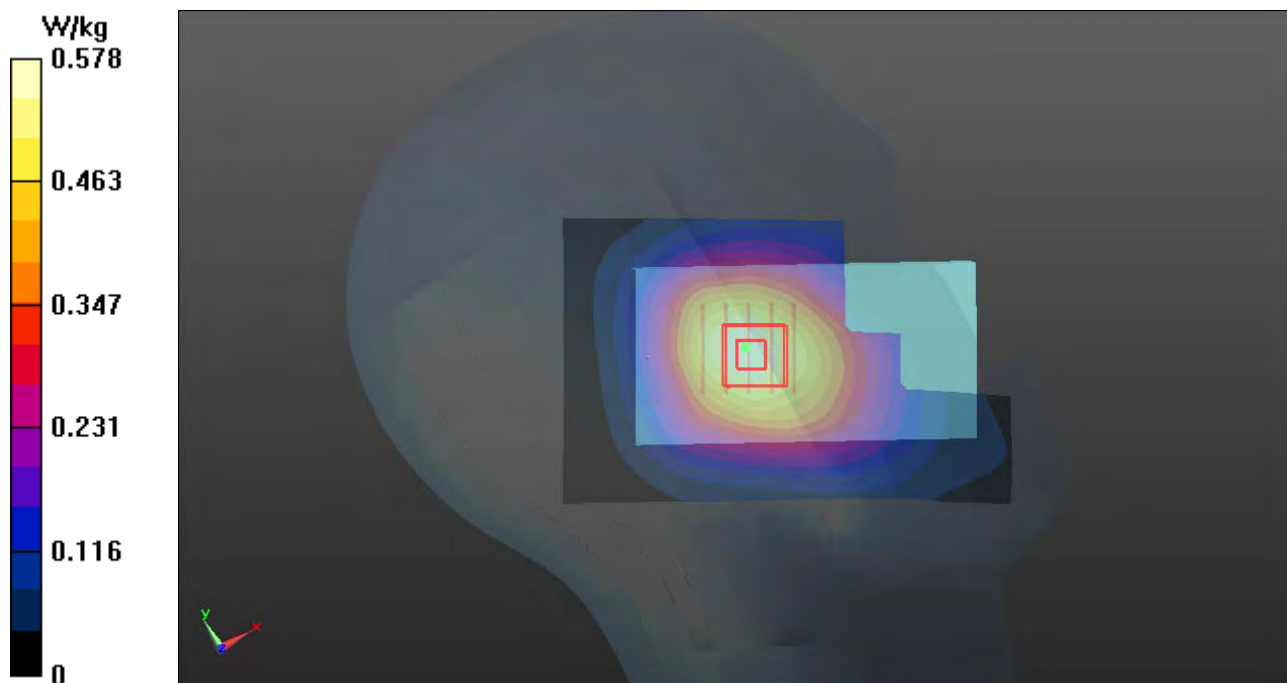
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.536 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.603 mW/g

SAR(1 g) = 0.494 mW/g; SAR(10 g) = 0.382 mW/g

Maximum value of SAR (measured) = 0.560 W/kg



P19 CDMA2000 BC0_RC3+SO55_Right Cheek_Ch384**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: H835_0901 Medium parameters used: $f = 837$ MHz; $\sigma = 0.918$ mho/m; $\epsilon_r = 42.701$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (51x81x1): Measurement grid: dx=20 mm, dy=20 mm

Maximum value of SAR (interpolated) = 0.959 W/kg

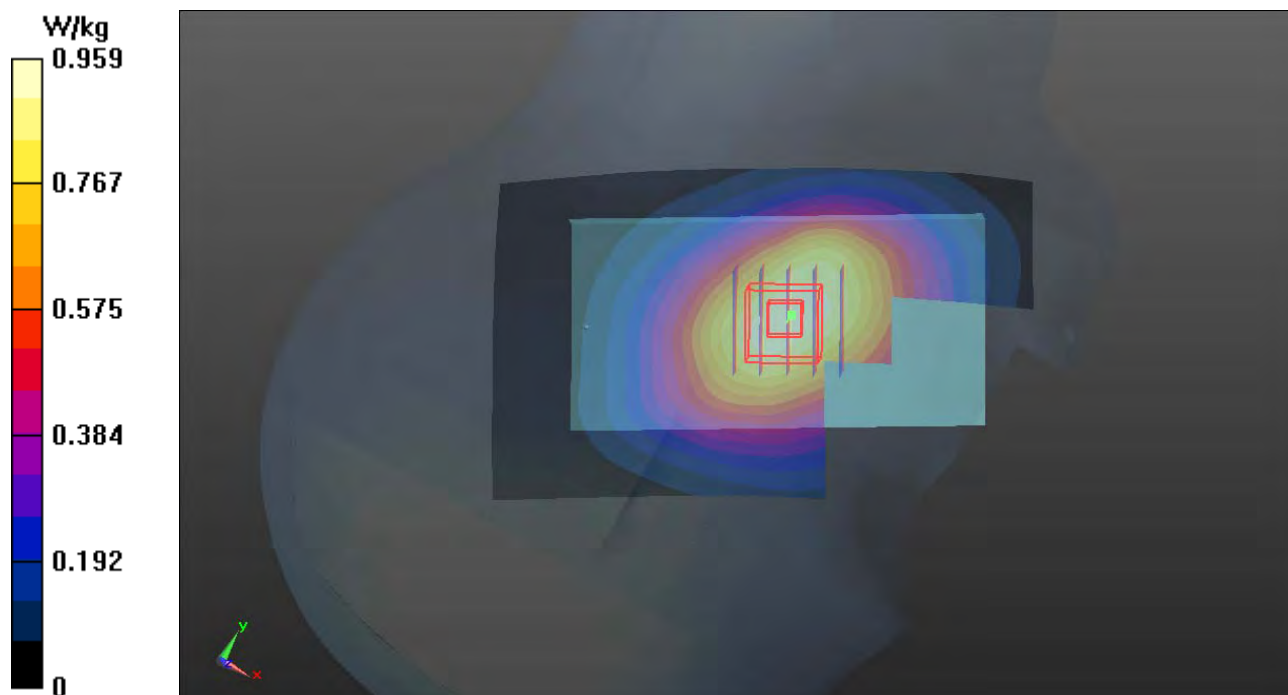
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.577 V/m; Power Drift = 0.17 dB

Peak SAR (extrapolated) = 1.068 mW/g

SAR(1 g) = 0.871 mW/g; SAR(10 g) = 0.661 mW/g

Maximum value of SAR (measured) = 0.989 W/kg



P20 CDMA2000 BC0_RC3+SO55_Right Cheek_Ch777**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: H835_0901 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.929$ mho/m; $\epsilon_r = 42.558$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch777/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

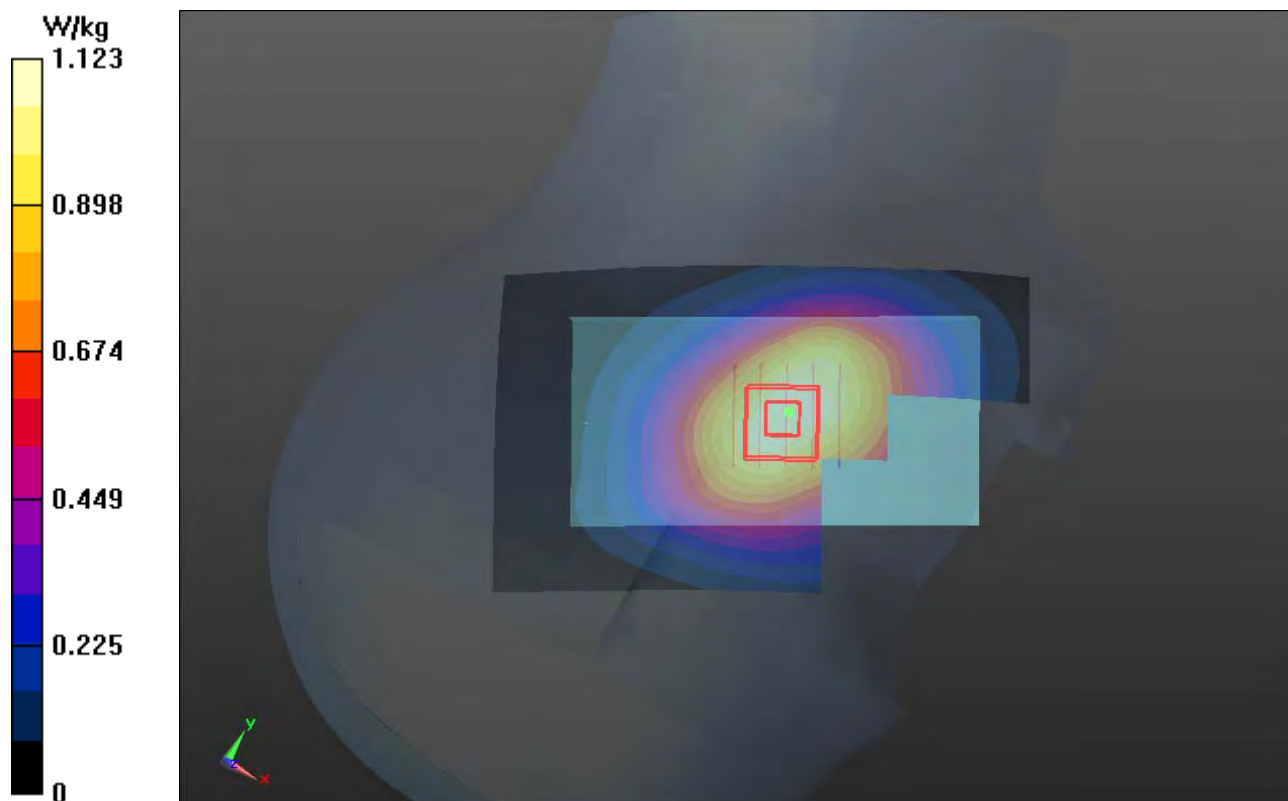
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.927 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.250 mW/g

SAR(1 g) = 1.02 mW/g; SAR(10 g) = 0.774 mW/g

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



P22 CDMA2000 BC0_RC3+SO55_Left Cheek_Ch384**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 836.52 MHz; Duty Cycle: 1:1

Medium: H835_0901 Medium parameters used: $f = 837$ MHz; $\sigma = 0.918$ mho/m; $\epsilon_r = 42.701$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch384/Area Scan (51x81x1): Measurement grid: dx=20 mm, dy=20 mm

Maximum value of SAR (interpolated) = 0.986 W/kg

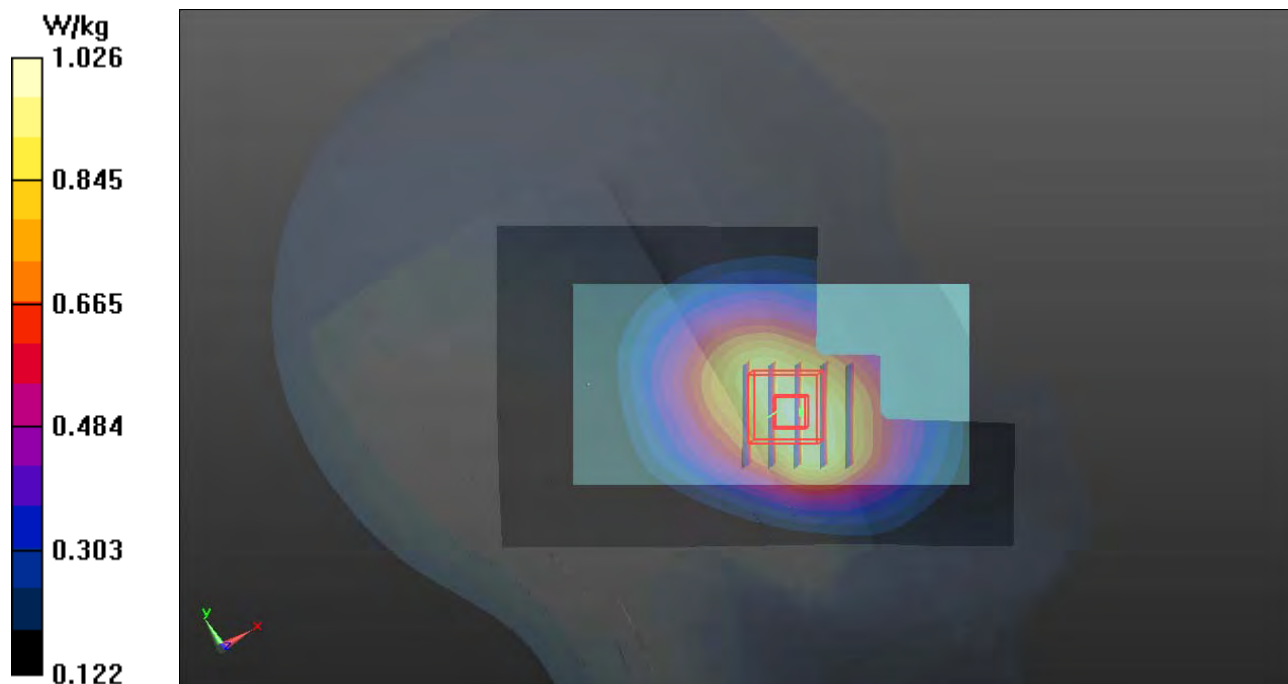
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.352 V/m; Power Drift = 0.101 dB

Peak SAR (extrapolated) = 1.129 mW/g

SAR(1 g) = 0.913 mW/g; SAR(10 g) = 0.691 mW/g

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



P23 CDMA2000 BC0_RC3+SO55_Left Cheek_Ch777**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 848.31 MHz; Duty Cycle: 1:1

Medium: H835_0901 Medium parameters used : $f = 848.31$ MHz; $\sigma = 0.929$ mho/m; $\epsilon_r = 42.558$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch777/Area Scan (51x81x1): Measurement grid: dx=20 mm, dy=20 mm .

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

Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.725 V/m; Power Drift = 0.105 dB

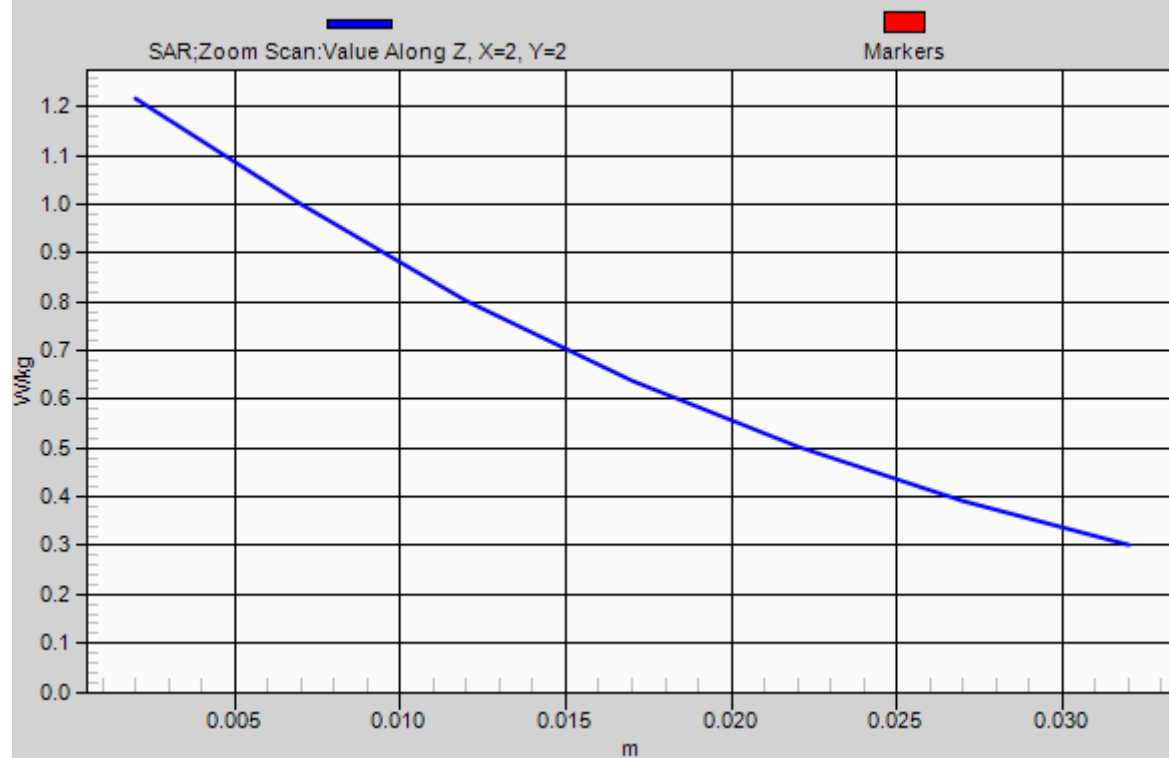
Peak SAR (extrapolated) = 1.328 mW/g

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.815 mW/g

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



1g/10g Averaged SAR



P24 CDMA2000 BC1_RC3+SO55_Right Cheek_Ch25**DUT: 120822C31**

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

Medium: H1900_0901 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.387$ mho/m; $\epsilon_r = 39.959$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.769 W/kg

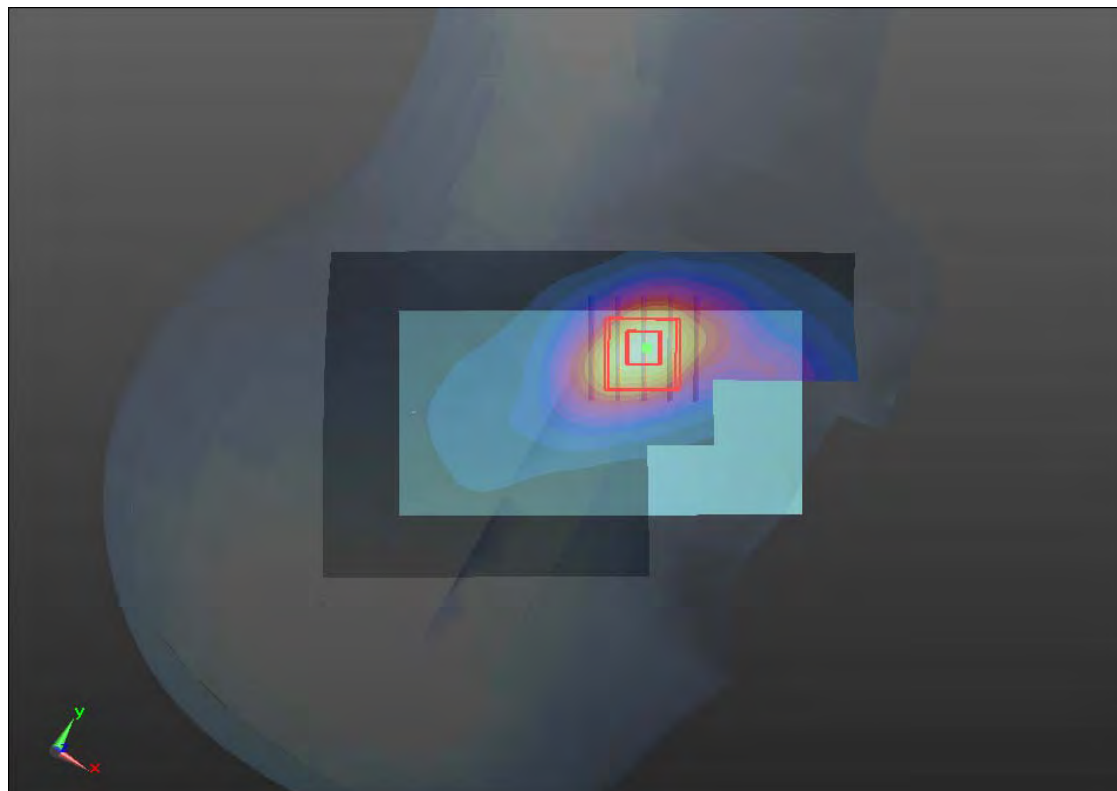
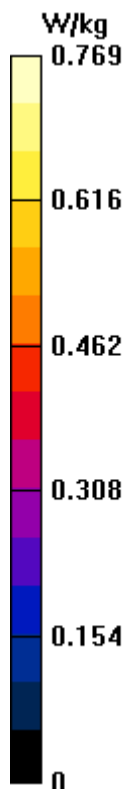
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

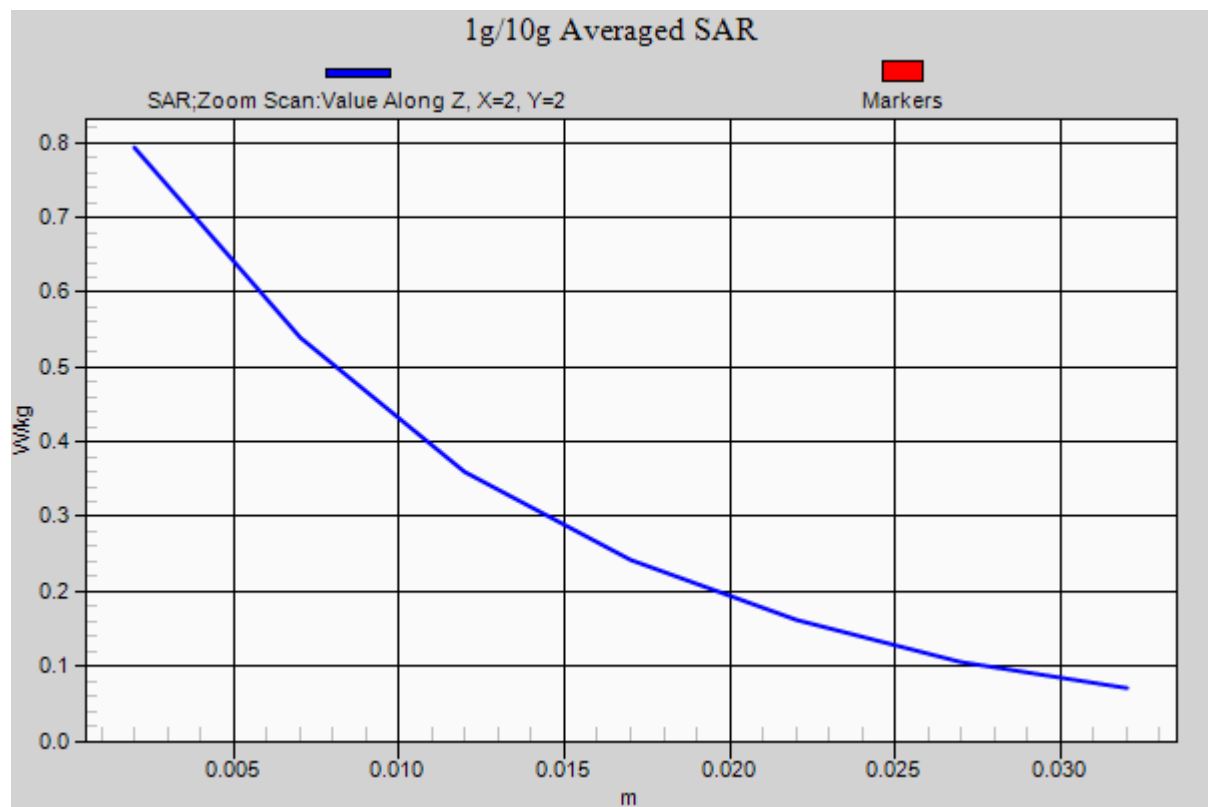
Reference Value = 6.777 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.947 mW/g

SAR(1 g) = 0.621 mW/g; SAR(10 g) = 0.375 mW/g

Maximum value of SAR (measured) = 0.793 W/kg





P12 CDMA2000 BC1_RC3+SO55_Right Tilted_Ch25**DUT: 120822C31**

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

Medium: H1900_0901 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.387$ mho/m; $\epsilon_r = 39.959$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

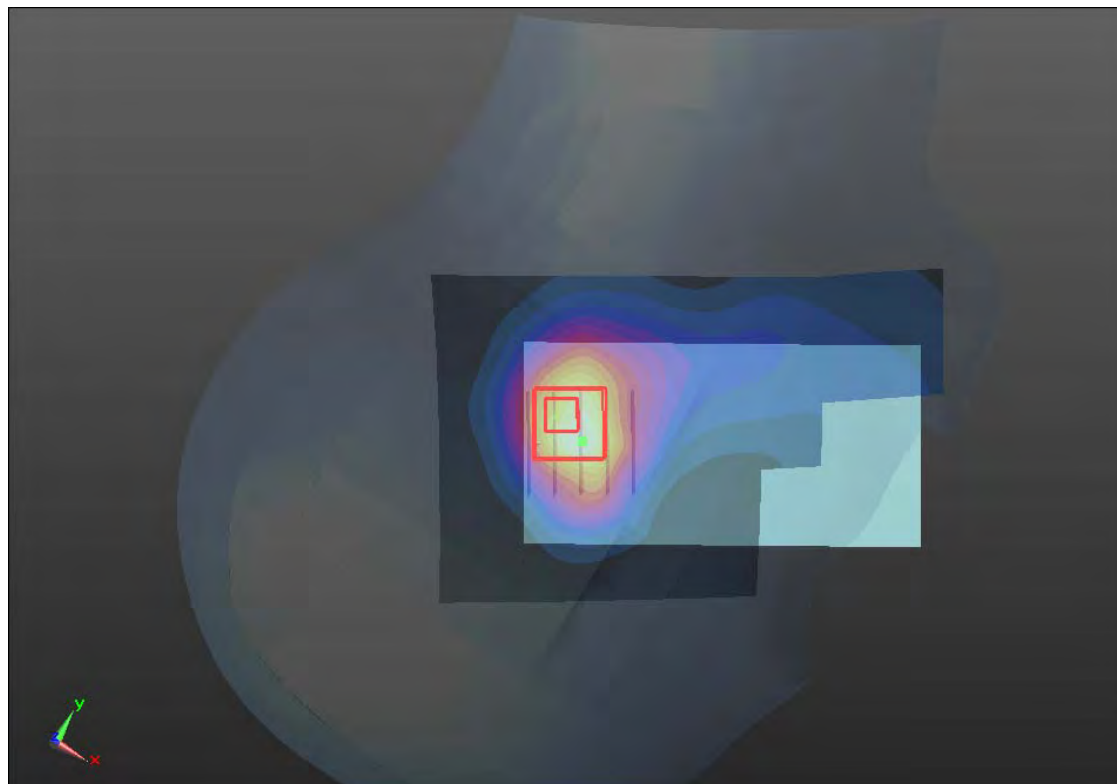
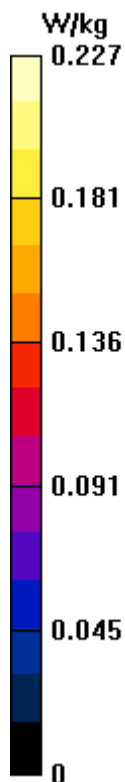
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.191 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.242 mW/g

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.101 mW/g

Maximum value of SAR (measured) = 0.207 W/kg



P13 CDMA2000 BC1_RC3+SO55_Left Cheek_Ch25**DUT: 120822C31**

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

Medium: H1900_0901 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.387$ mho/m; $\epsilon_r = 39.959$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.402 W/kg

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

Reference Value = 5.409 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.482 mW/g

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.214 mW/g

Maximum value of SAR (measured) = 0.402 W/kg

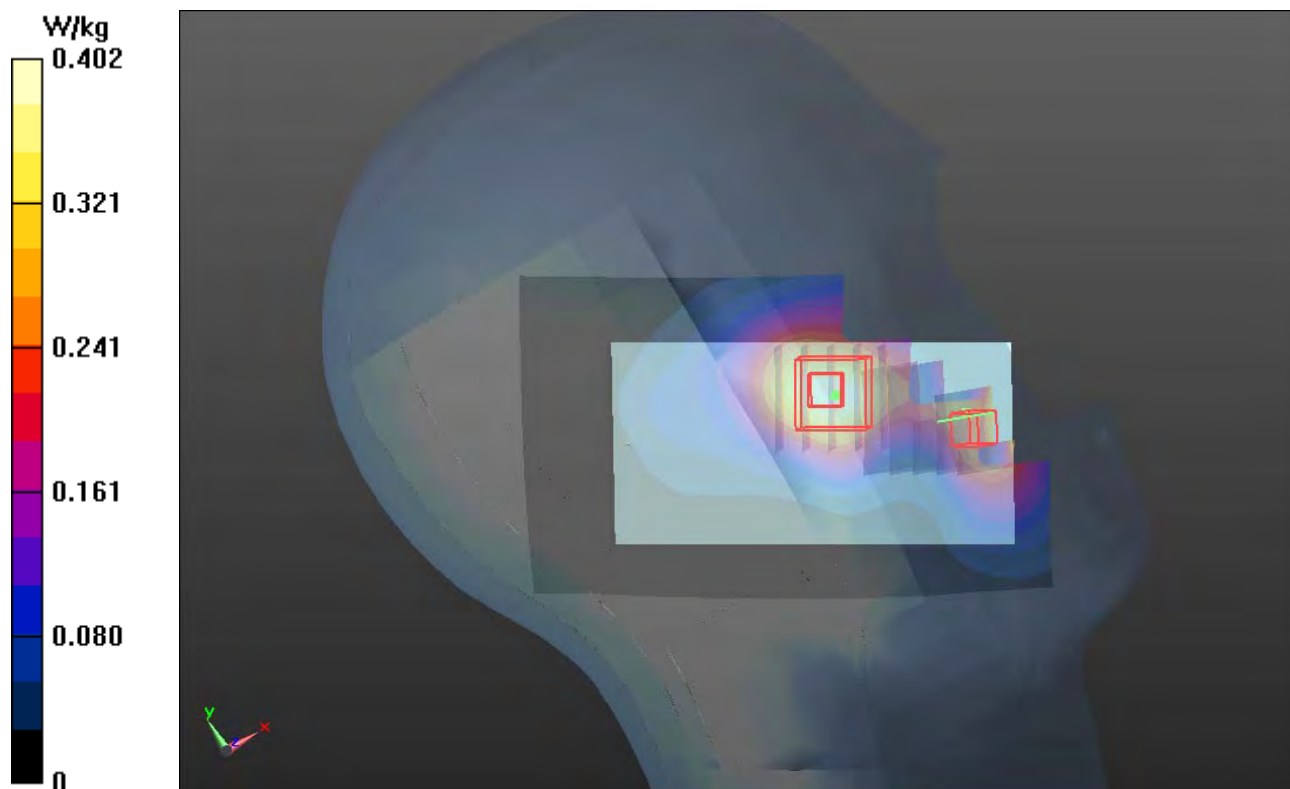
Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.409 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.421 mW/g

SAR(1 g) = 0.214 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.335 W/kg



P14 CDMA2000 BC1_RC3+SO55_Left Tilted_Ch25**DUT: 120822C31**

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

Medium: H1900_0901 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.387$ mho/m; $\epsilon_r = 39.959$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

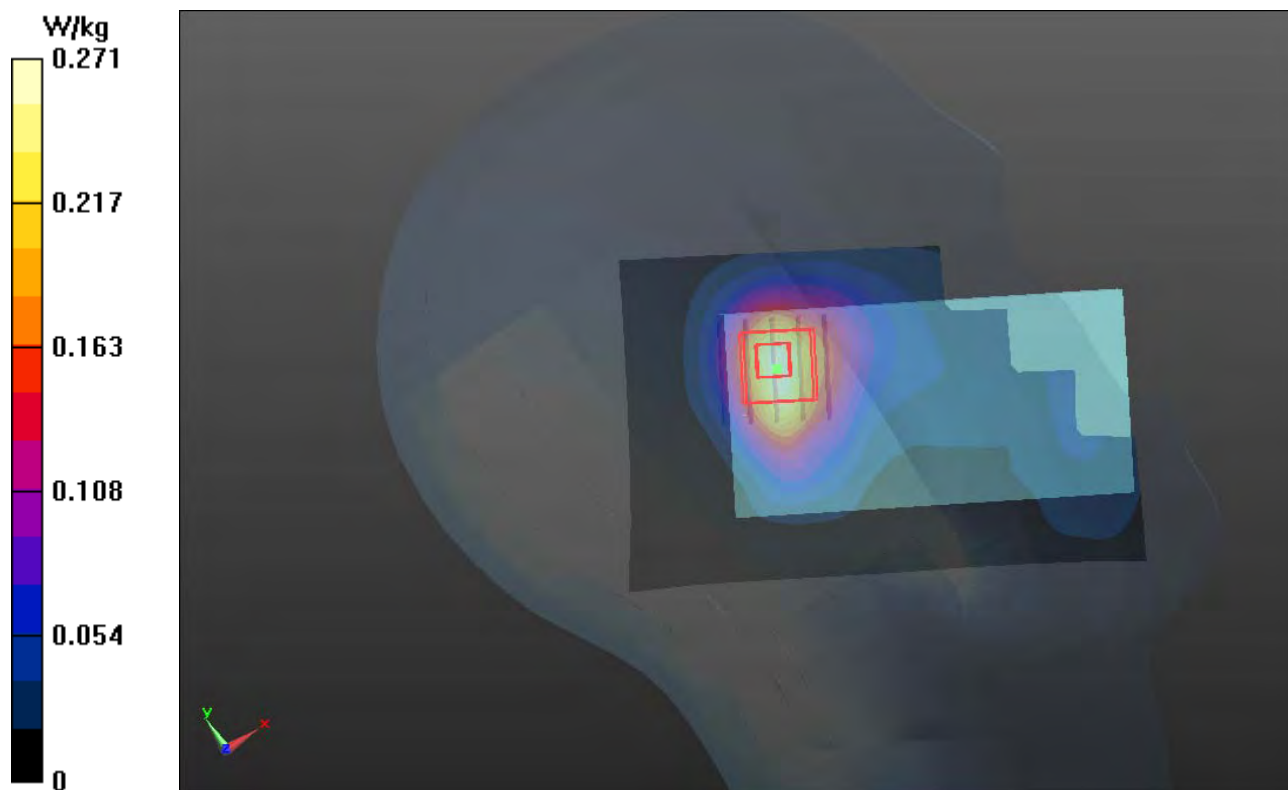
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.351 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.283 mW/g

SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.233 W/kg



P45 CDMA2000 BC1_RC3+SO55_Right Cheek_Ch25**DUT: 120822C31**

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

Medium: H1900_0926 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.386$ mho/m; $\epsilon_r = 39.966$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.241 W/kg

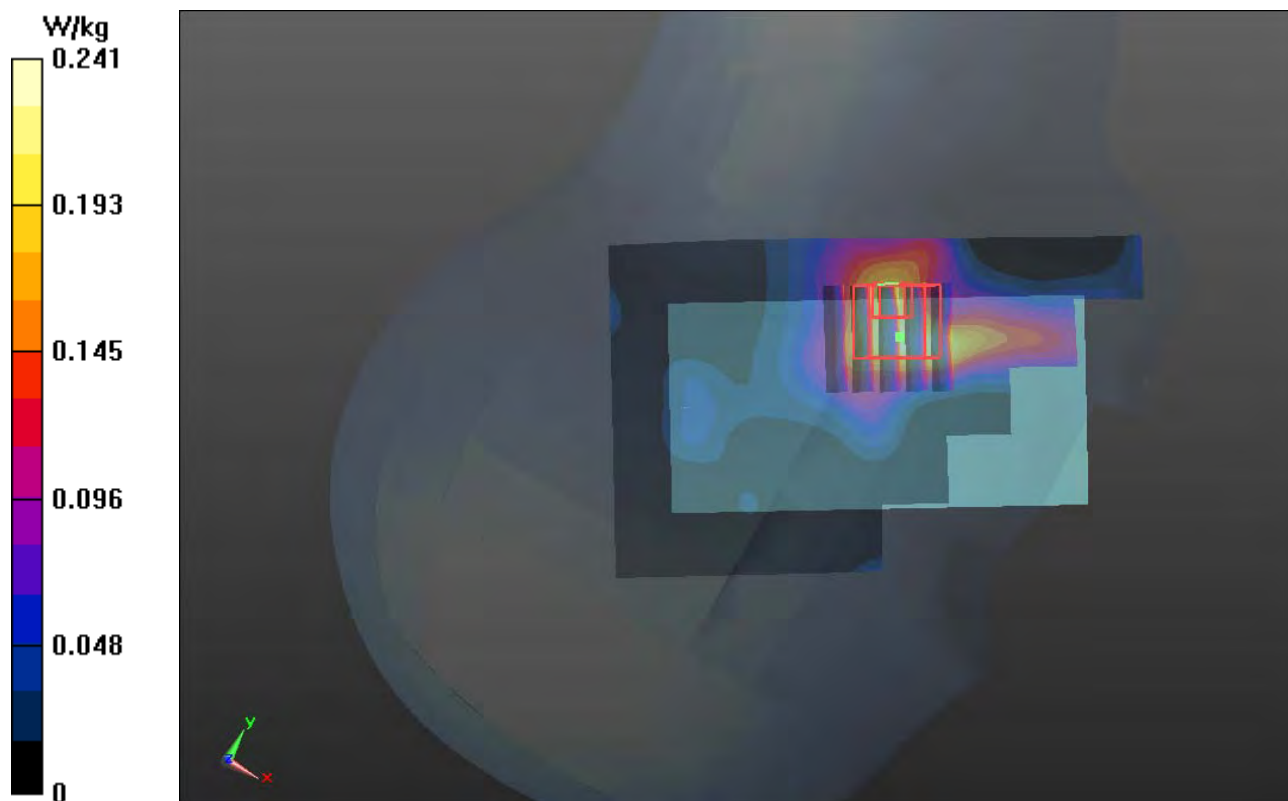
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.688 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.422 mW/g

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.087 mW/g

Maximum value of SAR (measured) = 0.330 W/kg



P46 CDMA2000 BC1_RC3+SO55_Right Tilted_Ch25**DUT: 120822C31**

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

Medium: H1900_0926 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.386$ mho/m; $\epsilon_r = 39.966$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.187 W/kg

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

Reference Value = 5.693 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.093 mW/g

SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.027 mW/g

Maximum value of SAR (measured) = 0.0705 W/kg

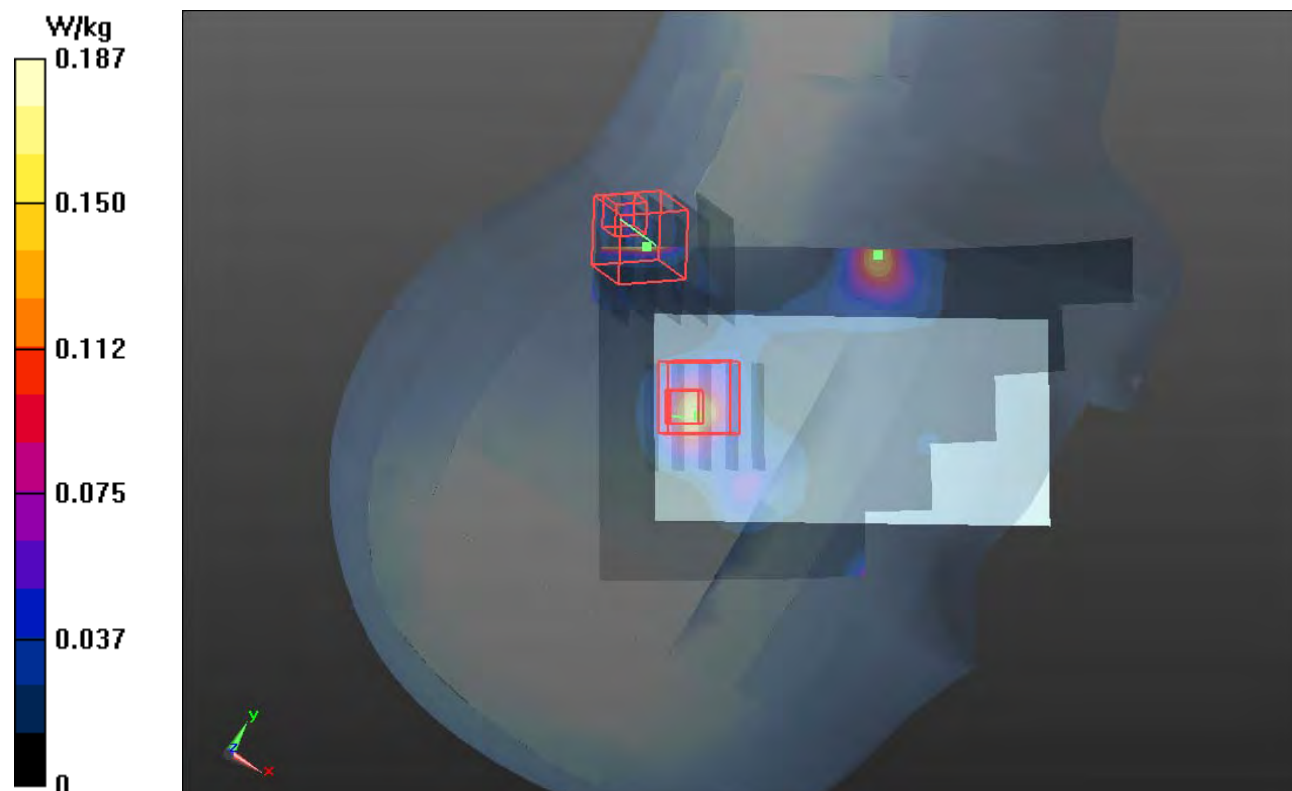
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.693 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.169 mW/g

SAR(1 g) = 0.018 mW/g; SAR(10 g) = 0.00245 mW/g

Maximum value of SAR (measured) = 0.0880 W/kg



P47 CDMA2000 BC1_RC3+SO55_Left Cheek_Ch25**DUT: 120822C31**

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

Medium: H1900_0926 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.386$ mho/m; $\epsilon_r = 39.966$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.232 W/kg

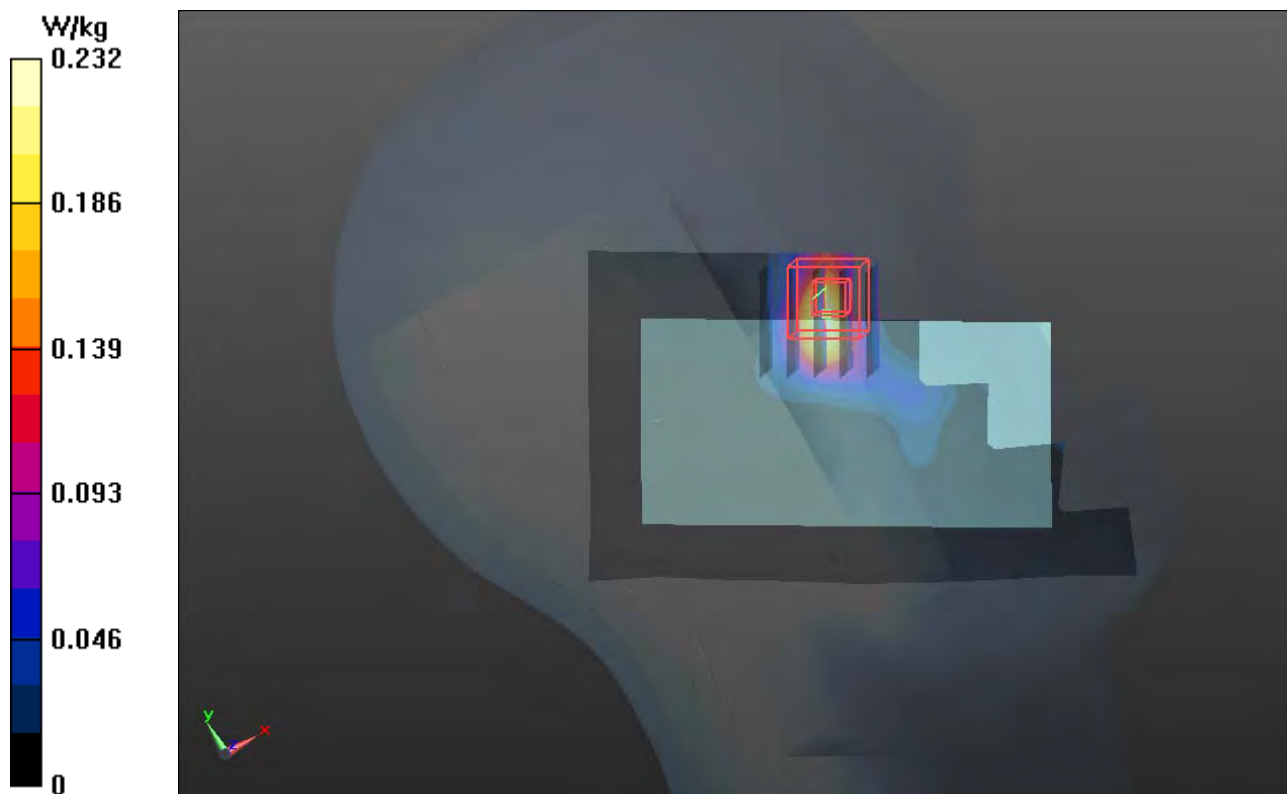
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.228 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.280 mW/g

SAR(1 g) = 0.148 mW/g; SAR(10 g) = 0.064 mW/g

Maximum value of SAR (measured) = 0.216 W/kg



P48 CDMA2000 BC1_RC3+SO55_Left Tilted_Ch25**DUT: 120822C31**

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

Medium: H1900_0926 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.386$ mho/m; $\epsilon_r = 39.966$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch25/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0573 W/kg

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

Reference Value = 1.813 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.140 mW/g

SAR(1 g) = 0.035 mW/g; SAR(10 g) = 0.016 mW/g

Maximum value of SAR (measured) = 0.140 W/kg

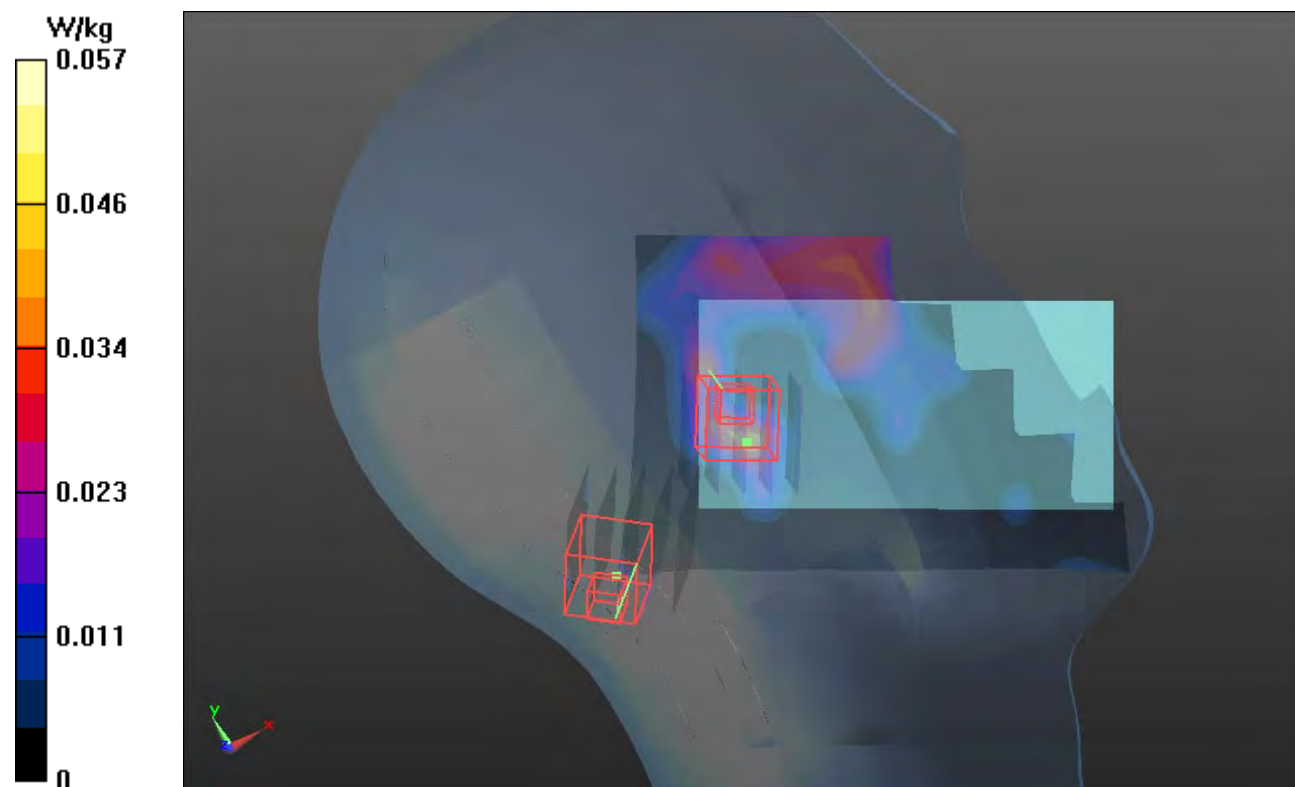
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.813 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.218 mW/g

SAR(1 g) = 0.00828 mW/g; SAR(10 g) = 0.000749 mW/g

Maximum value of SAR (measured) = 0.202 W/kg



P25 CDMA2000 BC15_RC3+SO55_Right Cheek_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0901 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.346$ mho/m; $\epsilon_r = 41.815$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.766 W/kg

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.771 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.819 mW/g

SAR(1 g) = 0.577 mW/g; SAR(10 g) = 0.368 mW/g

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

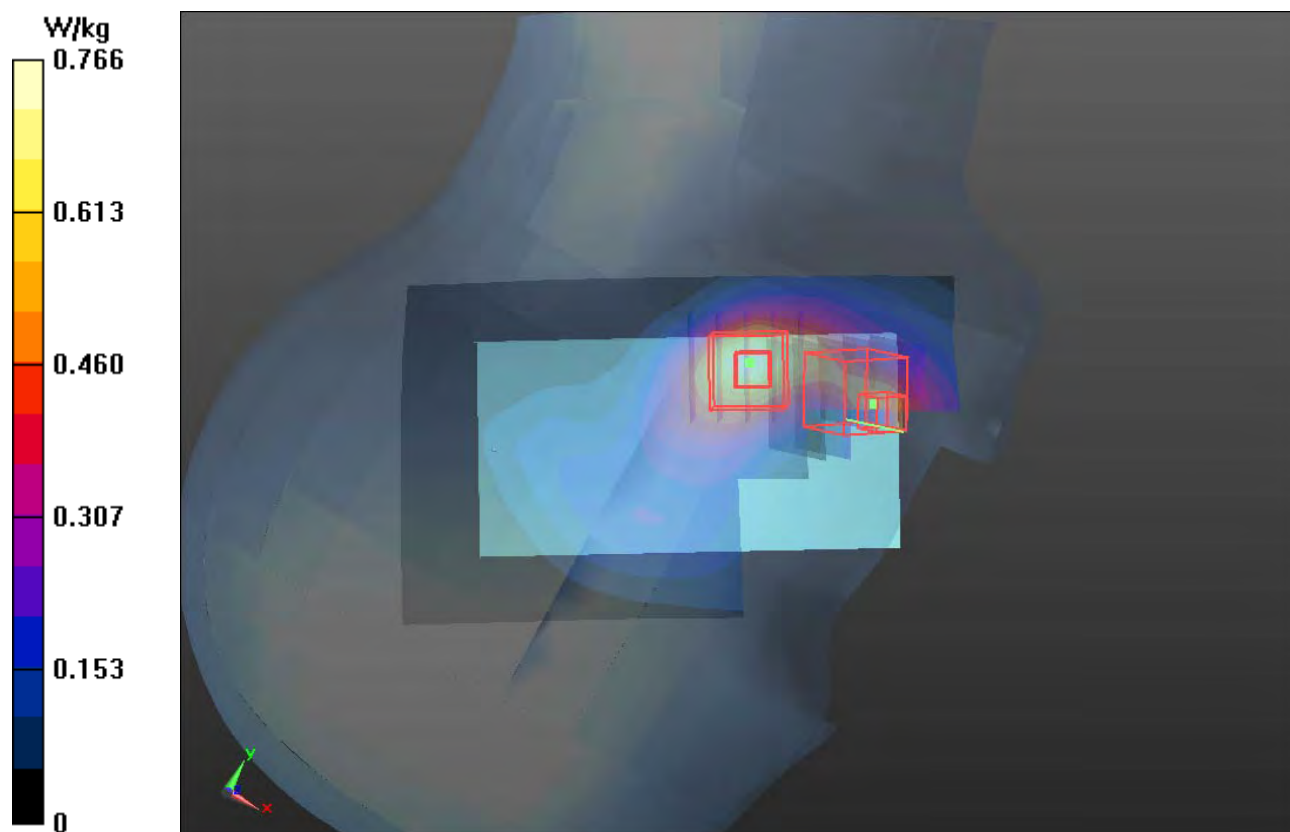
Ch875/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.771 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.720 mW/g

SAR(1 g) = 0.418 mW/g; SAR(10 g) = 0.216 mW/g

Maximum value of SAR (measured) = 0.567 W/kg



P16 CDMA2000 BC15_RC3+SO55_Right Tilted_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0901 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.346$ mho/m; $\epsilon_r = 41.815$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.383 W/kg

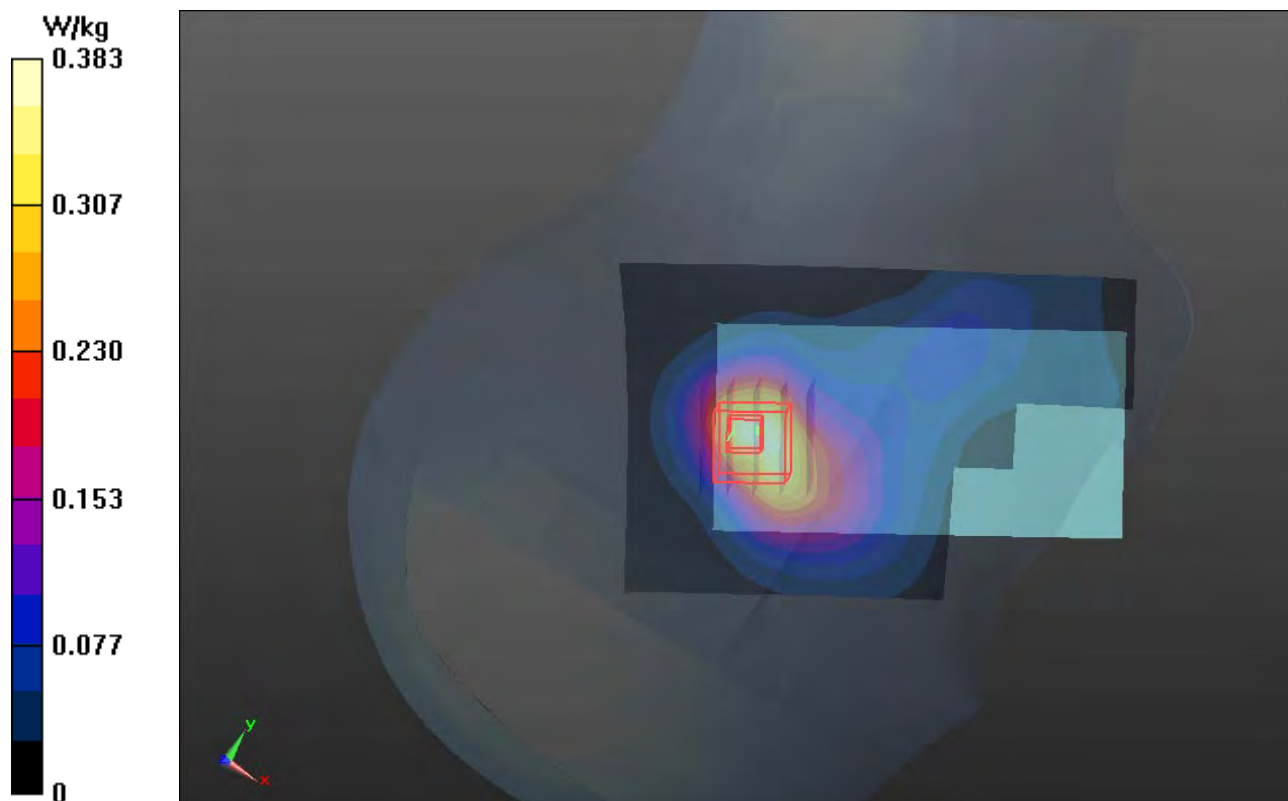
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.312 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.438 mW/g

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.364 W/kg



P17 CDMA2000 BC15_RC3+SO55_Left Cheek_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0901 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.346$ mho/m; $\epsilon_r = 41.815$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.558 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.106 mW/g

SAR(1 g) = 0.660 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.879 W/kg

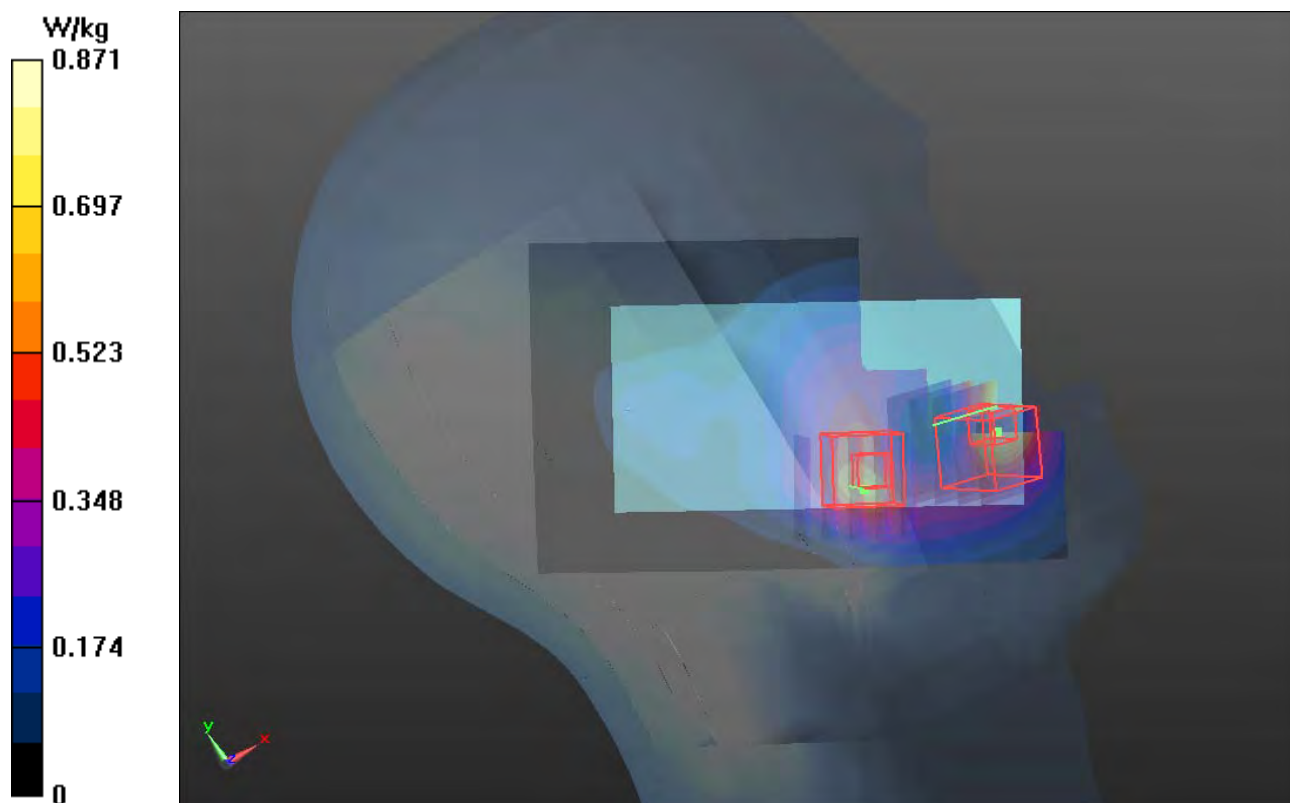
Ch875/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.558 V/m; Power Drift = 0.03 dB

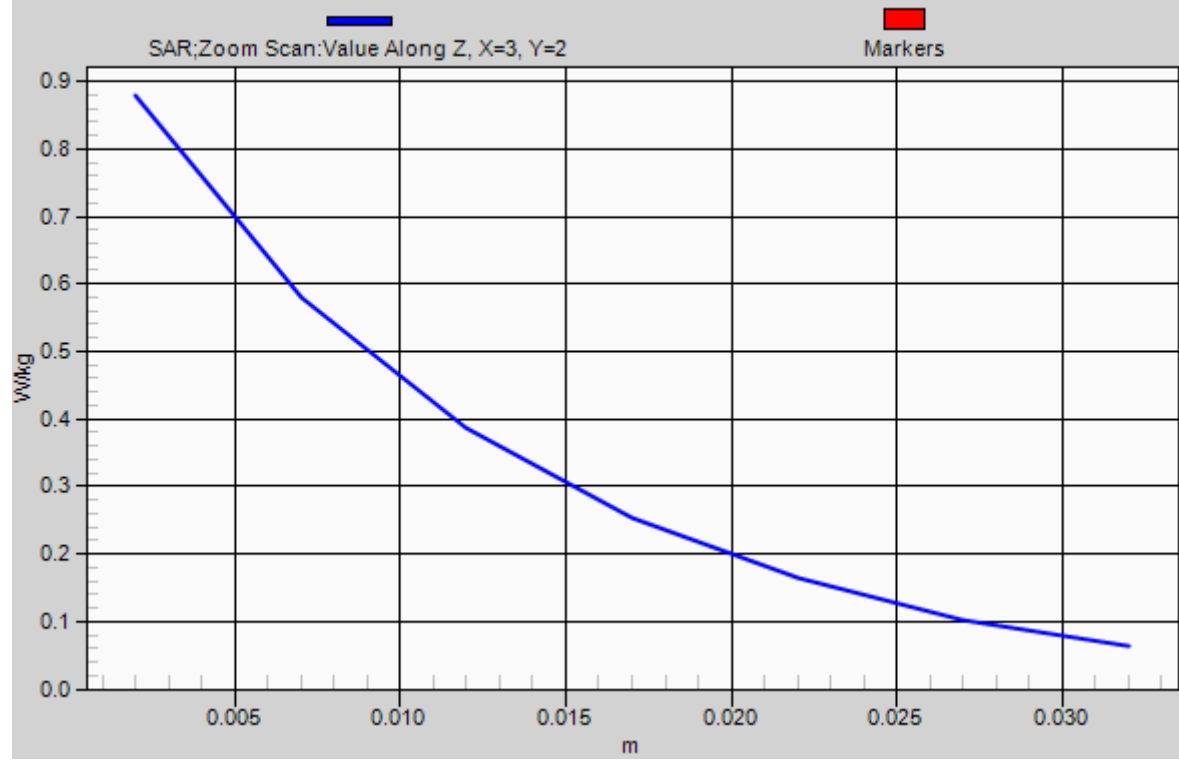
Peak SAR (extrapolated) = 0.711 mW/g

SAR(1 g) = 0.518 mW/g; SAR(10 g) = 0.339 mW/g

Maximum value of SAR (measured) = 0.608 W/kg



1g/10g Averaged SAR



P18 CDMA2000 BC15_RC3+SO55_Left Tilted_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0901 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.346$ mho/m; $\epsilon_r = 41.815$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.446 W/kg

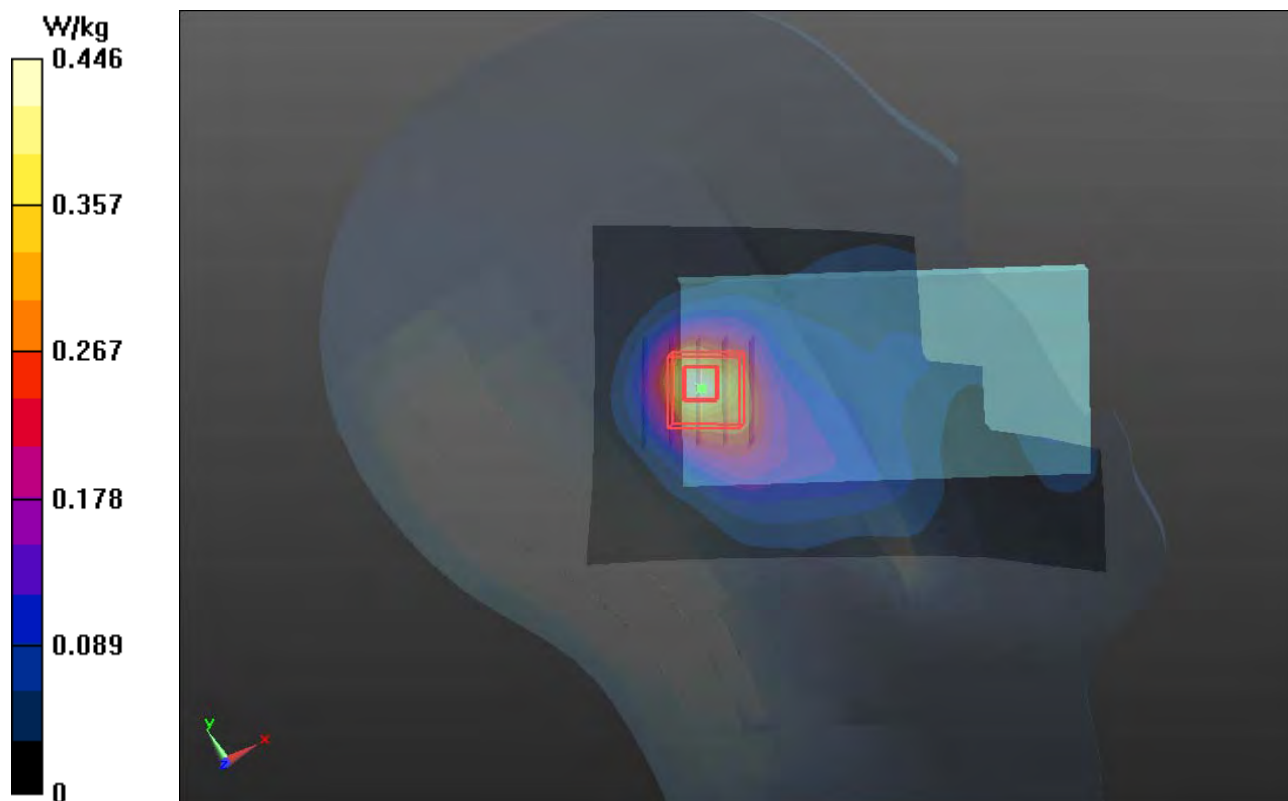
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.533 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.509 mW/g

SAR(1 g) = 0.327 mW/g; SAR(10 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.430 W/kg



P49 CDMA2000 BC15_RC3+SO55_Right Cheek_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0926 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.338$ mho/m; $\epsilon_r = 41.694$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.262 W/kg

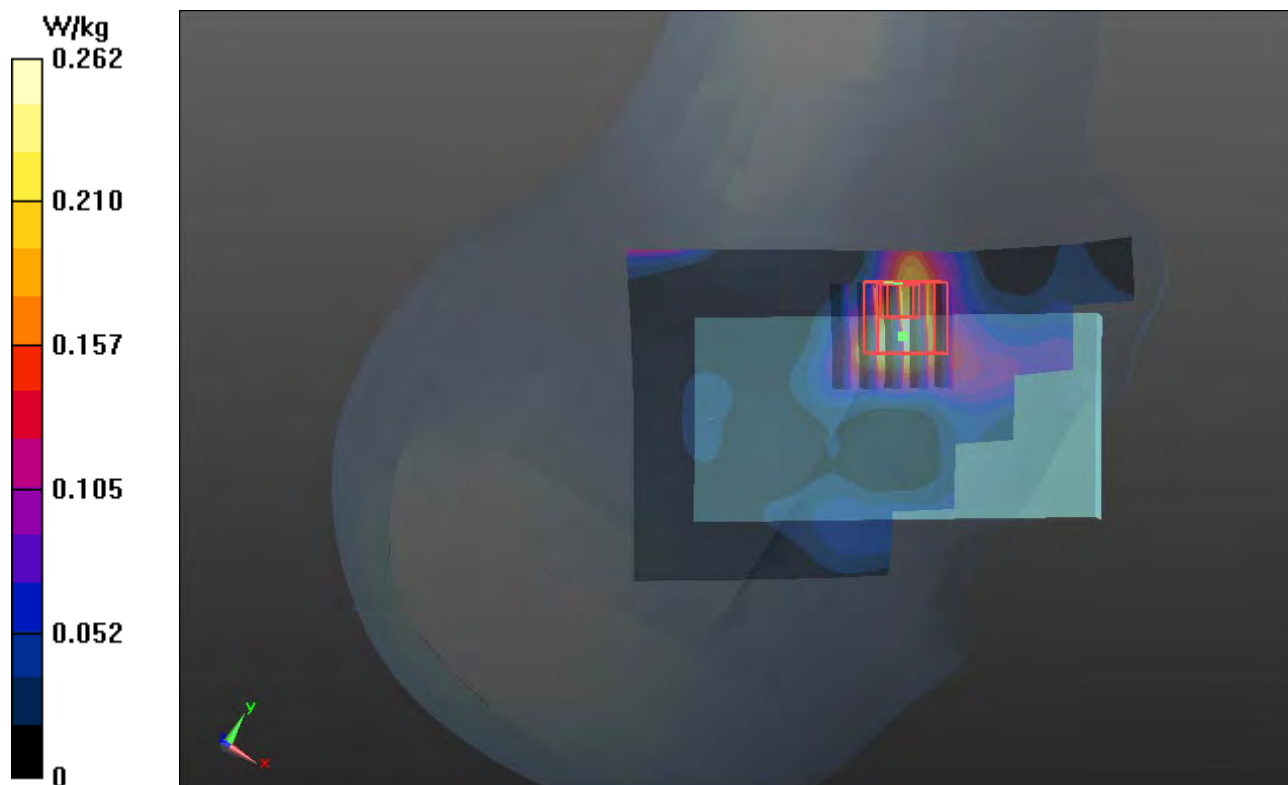
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.365 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.603 mW/g

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.092 mW/g

Maximum value of SAR (measured) = 0.324 W/kg



P50 CDMA2000 BC15_RC3+SO55_Right Tilted_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0926 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.338$ mho/m; $\epsilon_r = 41.694$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.230 W/kg

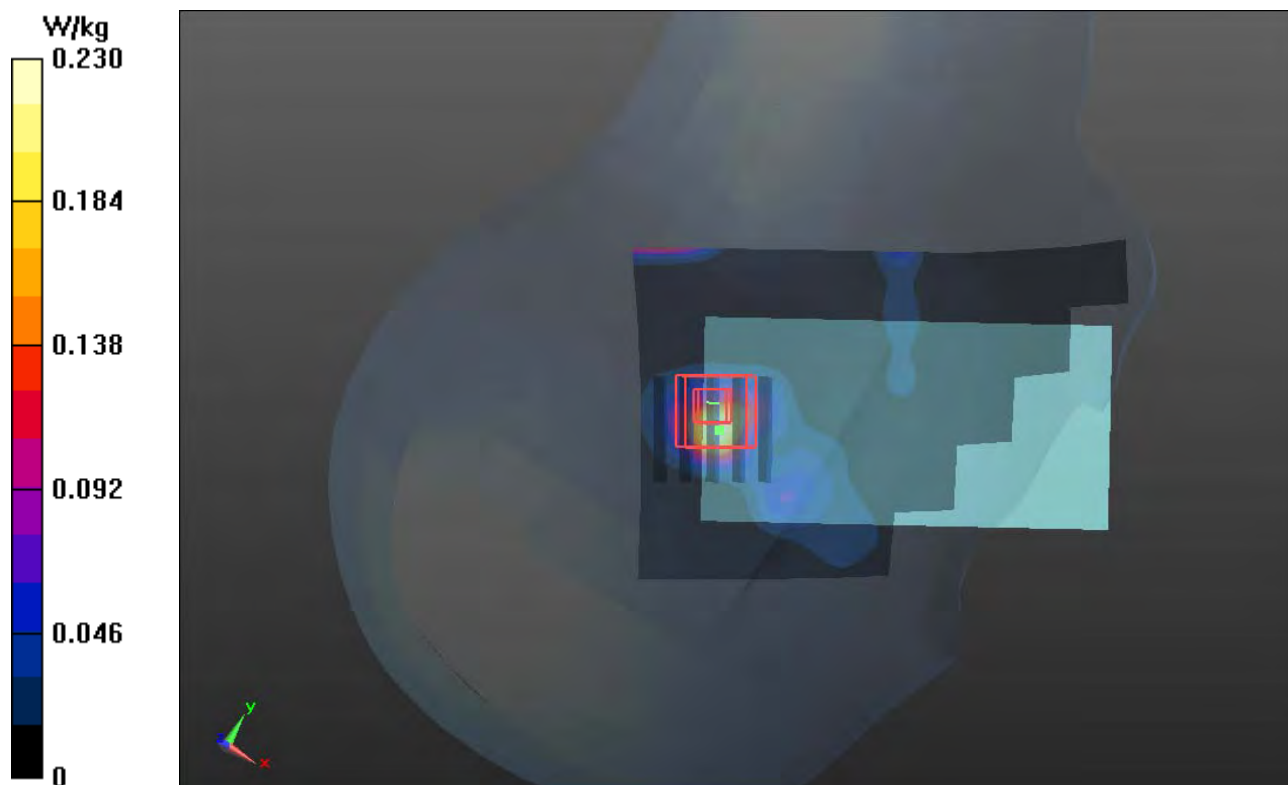
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.885 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.084 mW/g

SAR(1 g) = 0.048 mW/g; SAR(10 g) = 0.028 mW/g

Maximum value of SAR (measured) = 0.0676 W/kg



P51 CDMA2000 BC15_RC3+SO55_Left Cheek_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0926 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.338$ mho/m; $\epsilon_r = 41.694$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.196 W/kg

Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.063 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.457 mW/g

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.052 mW/g

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

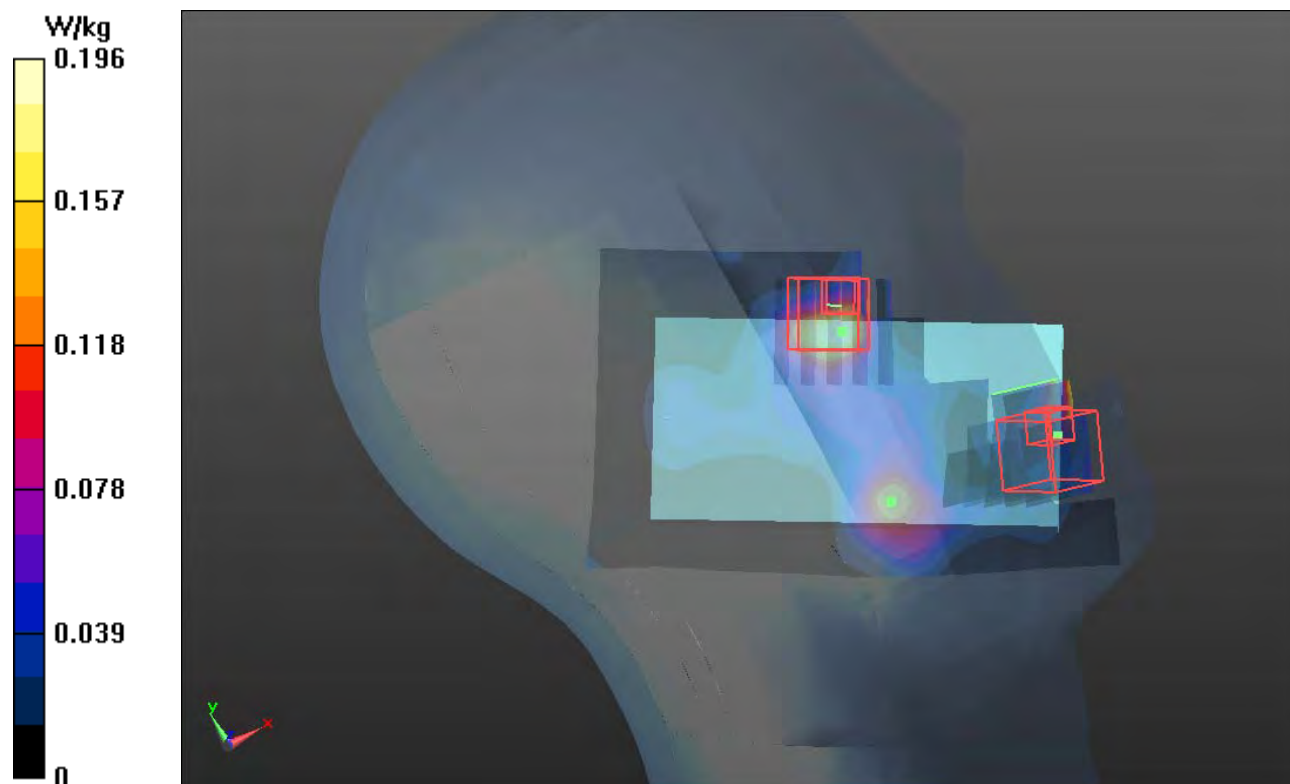
Ch875/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.063 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.255 mW/g

SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.173 W/kg



P52 CDMA2000 BC15_RC3+SO55_Left Tilted_Ch875**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1753.75 MHz; Duty Cycle: 1:1

Medium: H1750_0926 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.338$ mho/m; $\epsilon_r = 41.694$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch875/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0801 W/kg

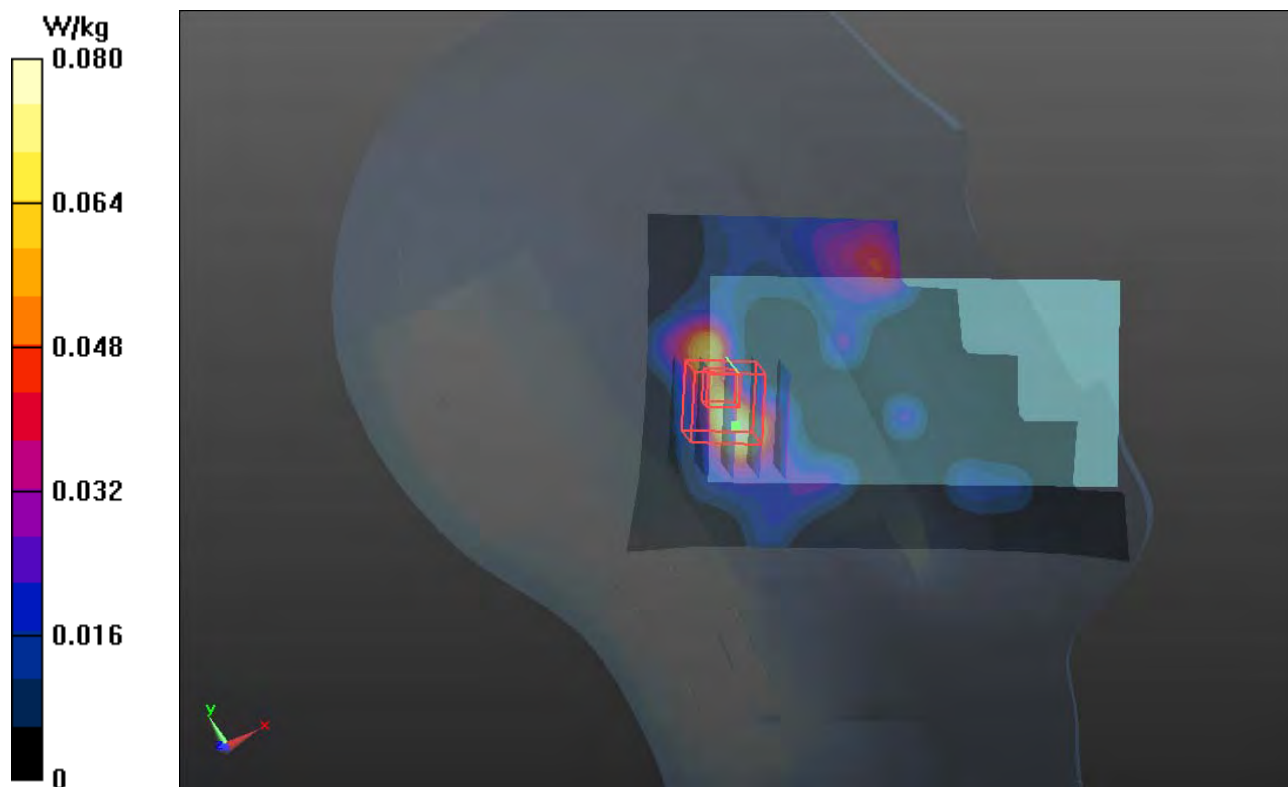
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.855 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.100 mW/g

SAR(1 g) = 0.051 mW/g; SAR(10 g) = 0.024 mW/g

Maximum value of SAR (measured) = 0.0781 W/kg



P218 LTE2_QPSK_10M_Right Cheek_Ch19150_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.402 W/kg

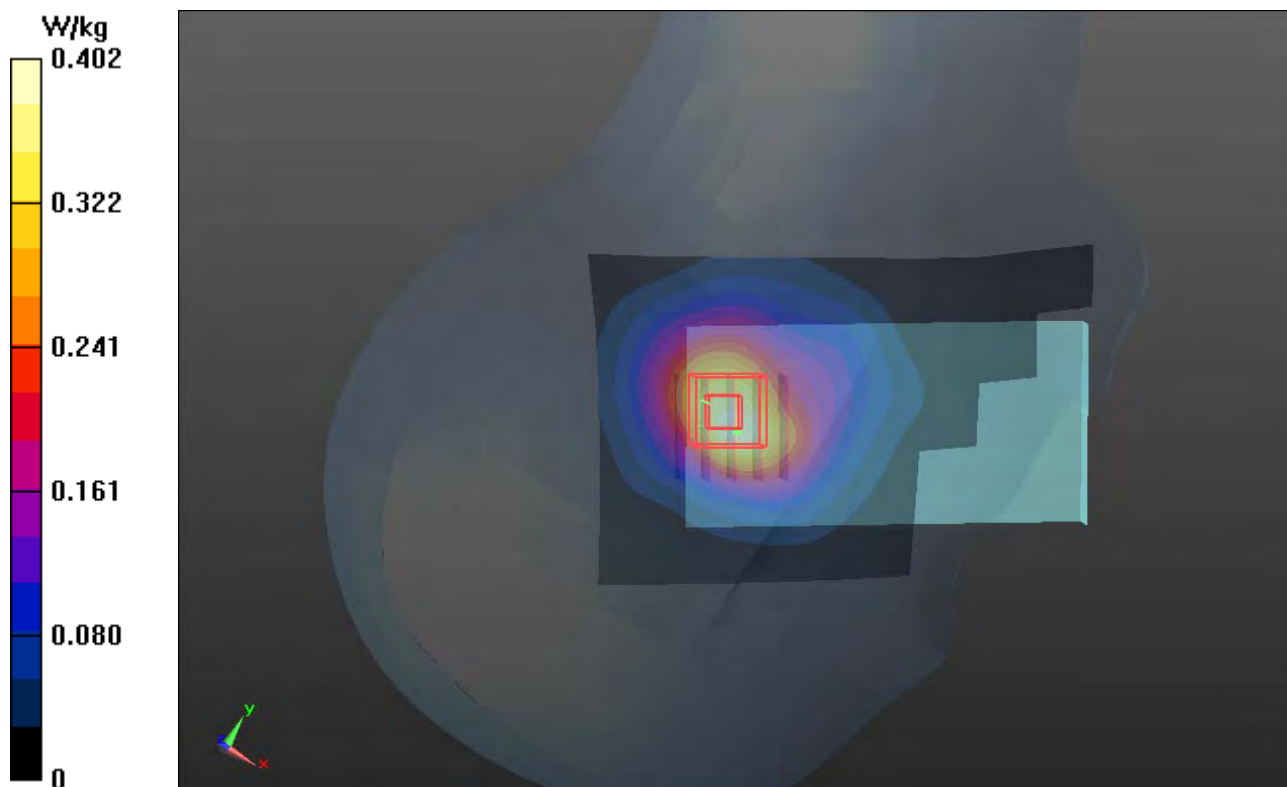
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.946 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.451 mW/g

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.370 W/kg



P219 LTE2_QPSK_10M_Right Tilted_Ch19150_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.370 W/kg

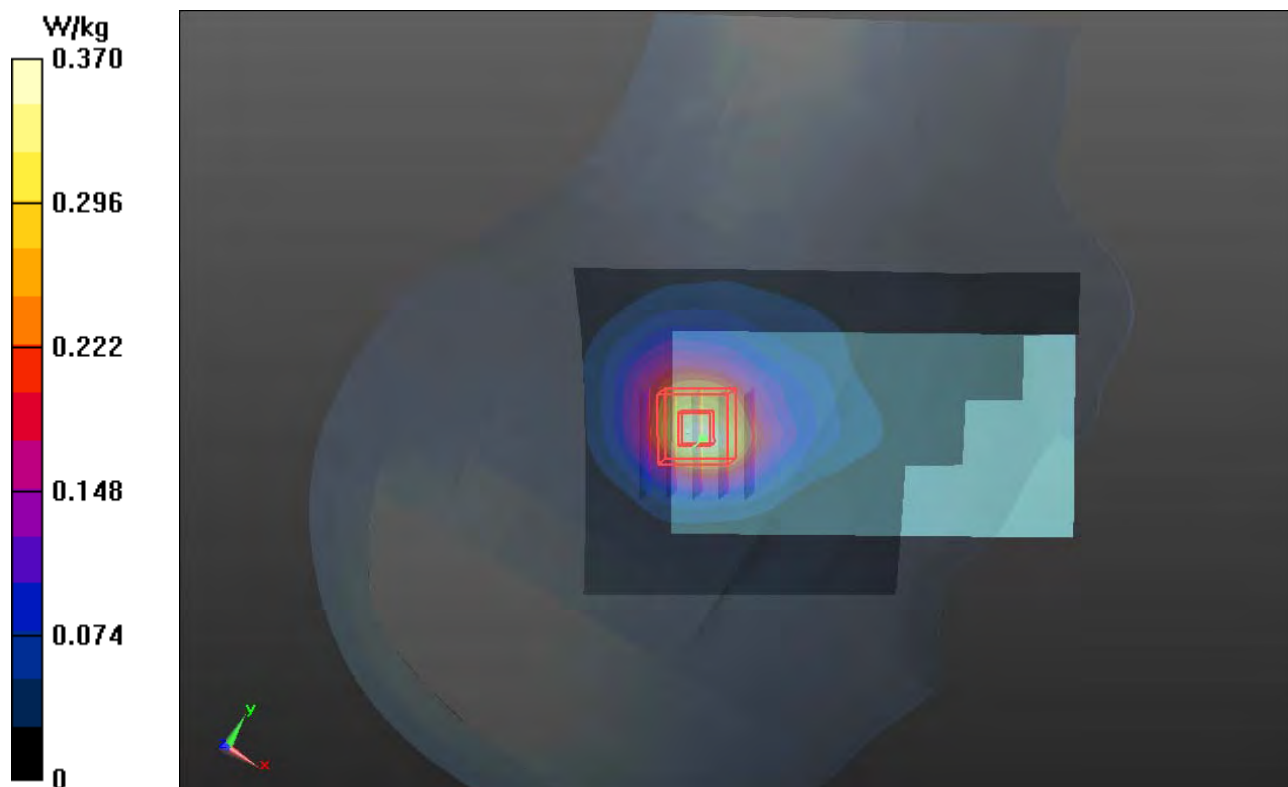
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.619 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.608 mW/g

SAR(1 g) = 0.377 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.481 W/kg



P220 LTE2_QPSK_10M_Left Cheek_Ch19150_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.493 W/kg

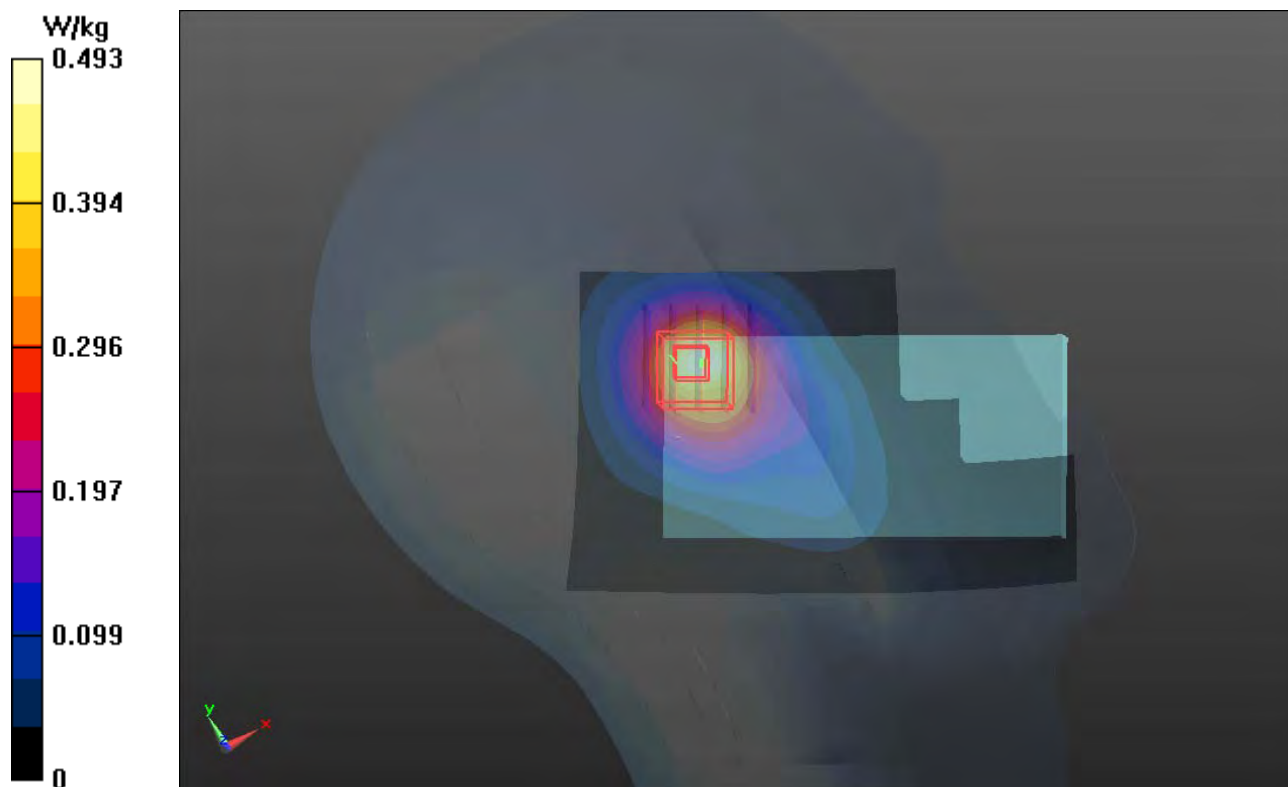
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.423 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.627 mW/g

SAR(1 g) = 0.370 mW/g; SAR(10 g) = 0.211 mW/g

Maximum value of SAR (measured) = 0.483 W/kg



P221 LTE2_QPSK_10M_Left Tilted_Ch19150_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.353 W/kg

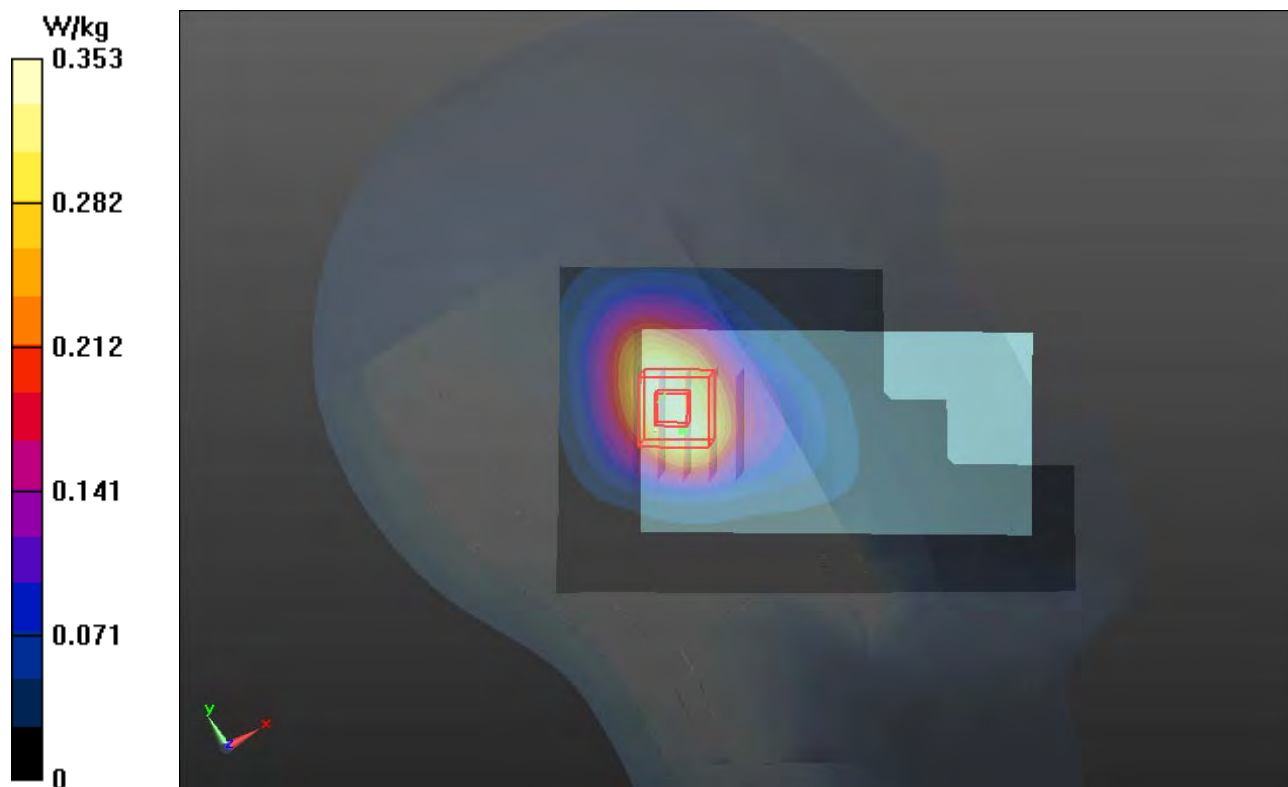
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.718 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.461 mW/g

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.177 mW/g

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



P222 LTE2_QPSK_10M_Right Cheek_Ch19150_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.546 W/kg

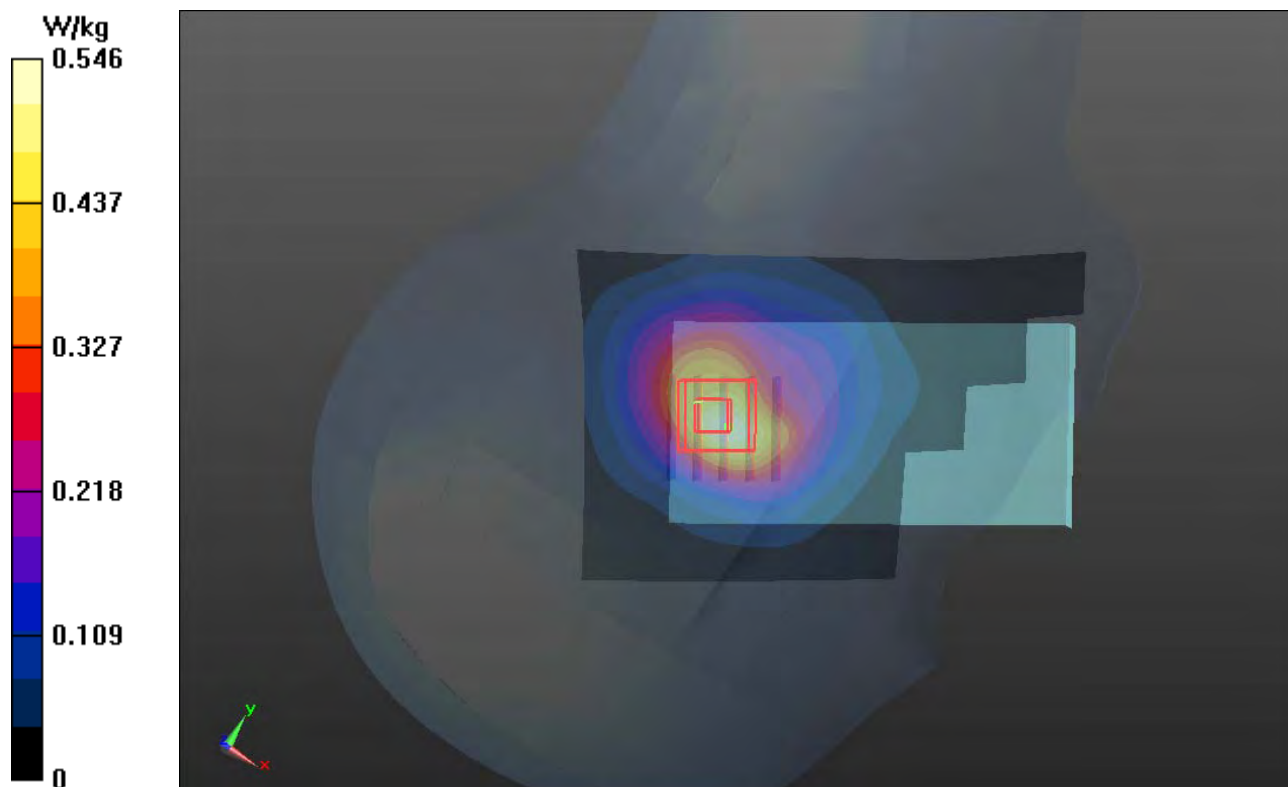
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.070 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.588 mW/g

SAR(1 g) = 0.387 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.486 W/kg



P223 LTE2_QPSK_10M_Right Tilted_Ch19150_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.614 W/kg

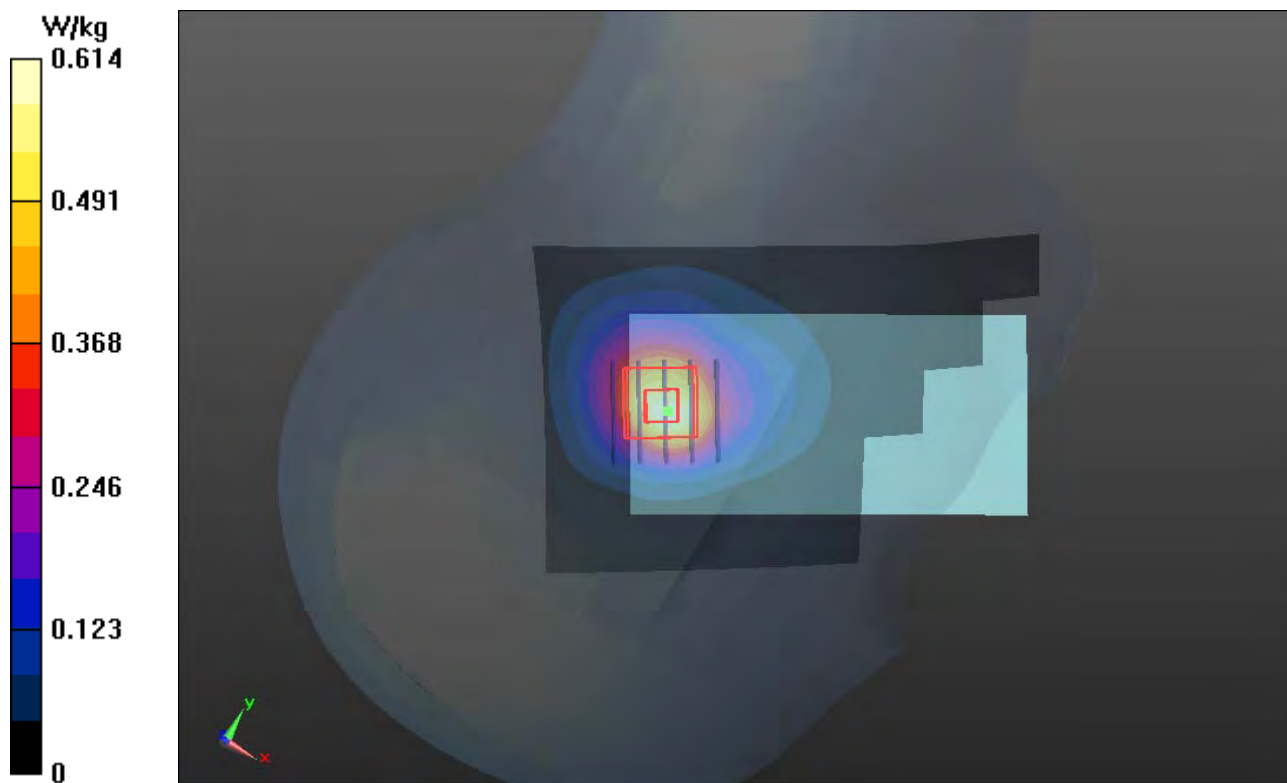
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.835 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.693 mW/g

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.259 mW/g

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



P224 LTE2_QPSK_10M_Left Cheek_Ch19150_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.575 W/kg

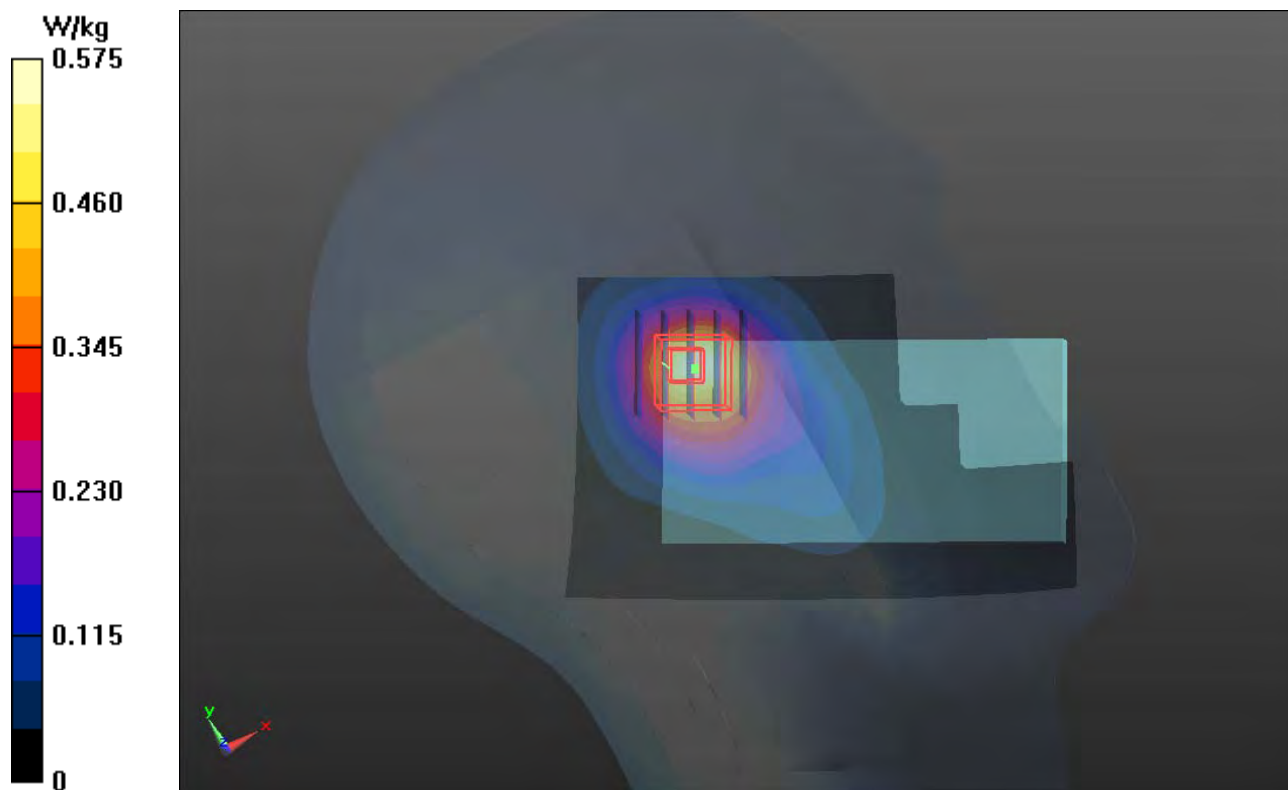
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.697 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.711 mW/g

SAR(1 g) = 0.417 mW/g; SAR(10 g) = 0.239 mW/g

Maximum value of SAR (measured) = 0.537 W/kg



P225 LTE2_QPSK_10M_Left Tilted_Ch19150_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.367 W/kg

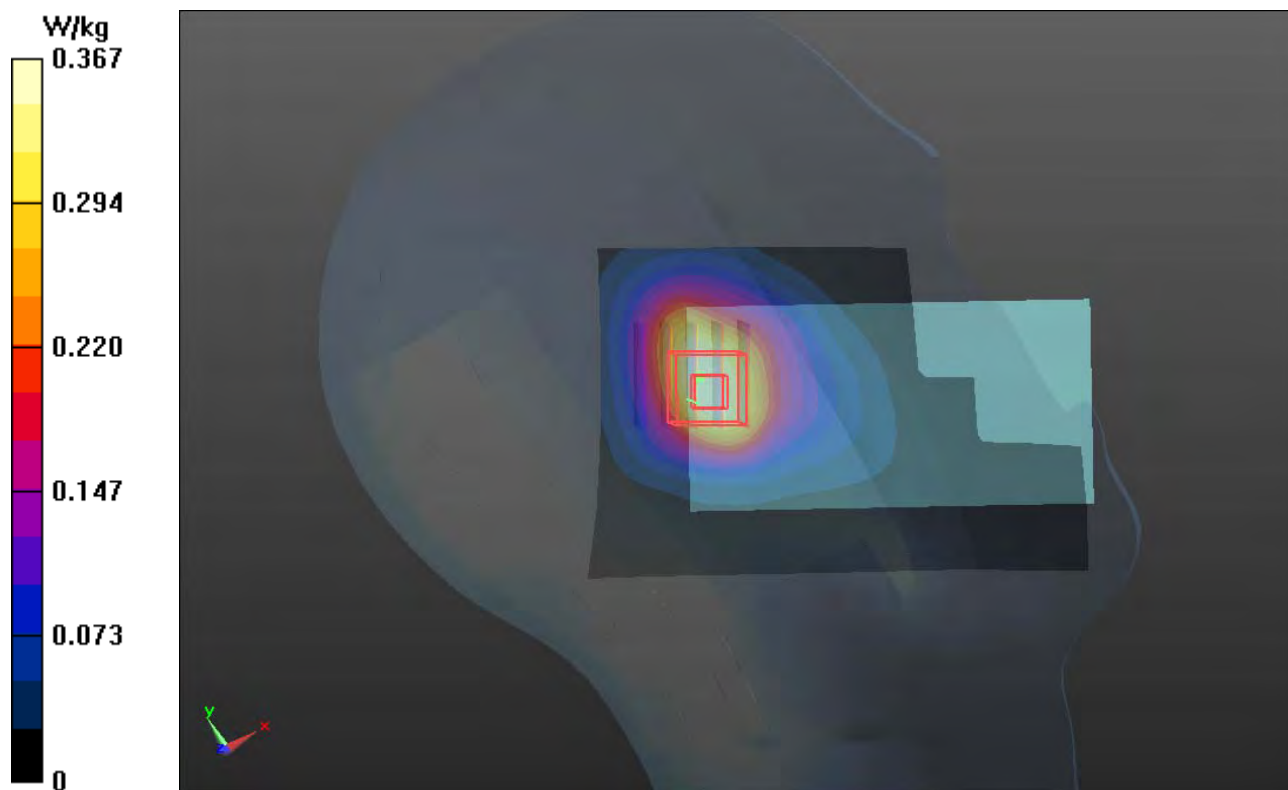
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.970 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.467 mW/g

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.175 mW/g

Maximum value of SAR (measured) = 0.363 W/kg



P226 LTE2_QPSK_10M_Right Cheek_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.633 W/kg

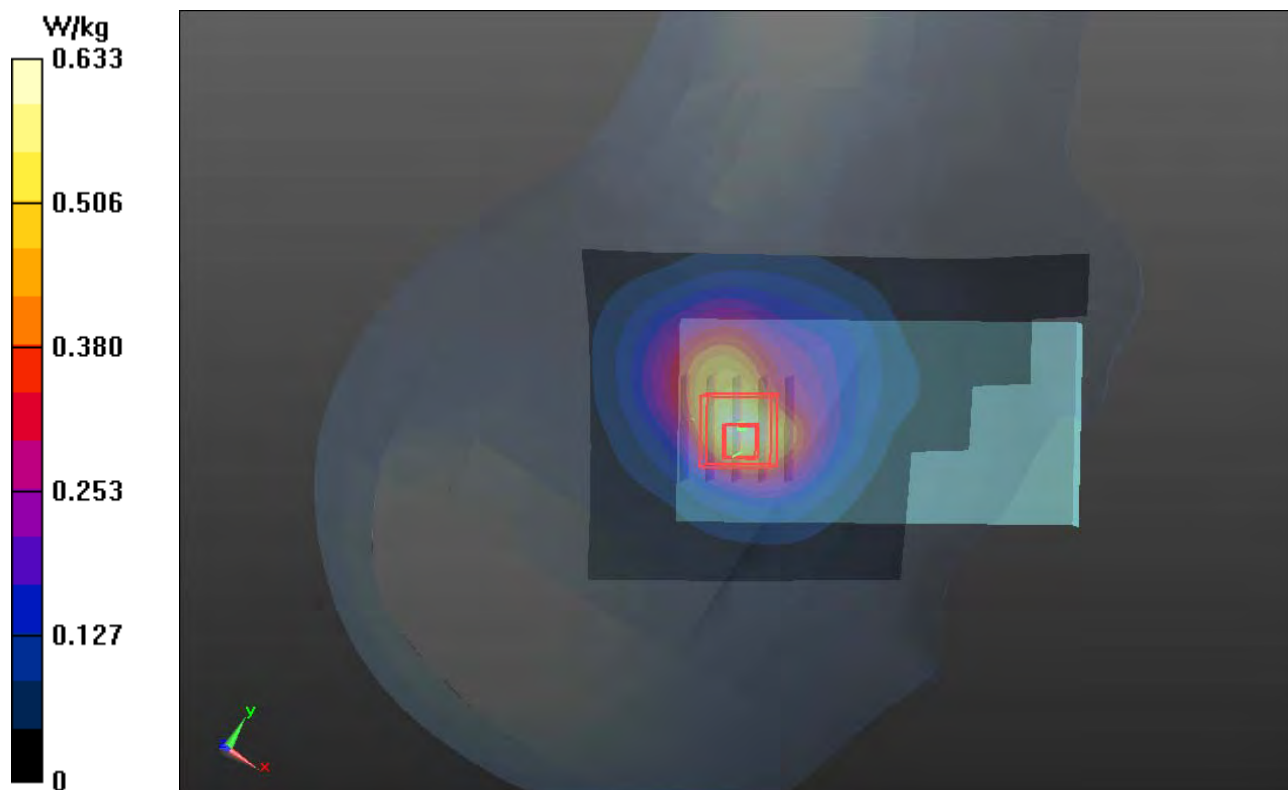
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.979 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.545 mW/g

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.230 mW/g

Maximum value of SAR (measured) = 0.455 W/kg



P227 LTE2_QPSK_10M_Right Tilted_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

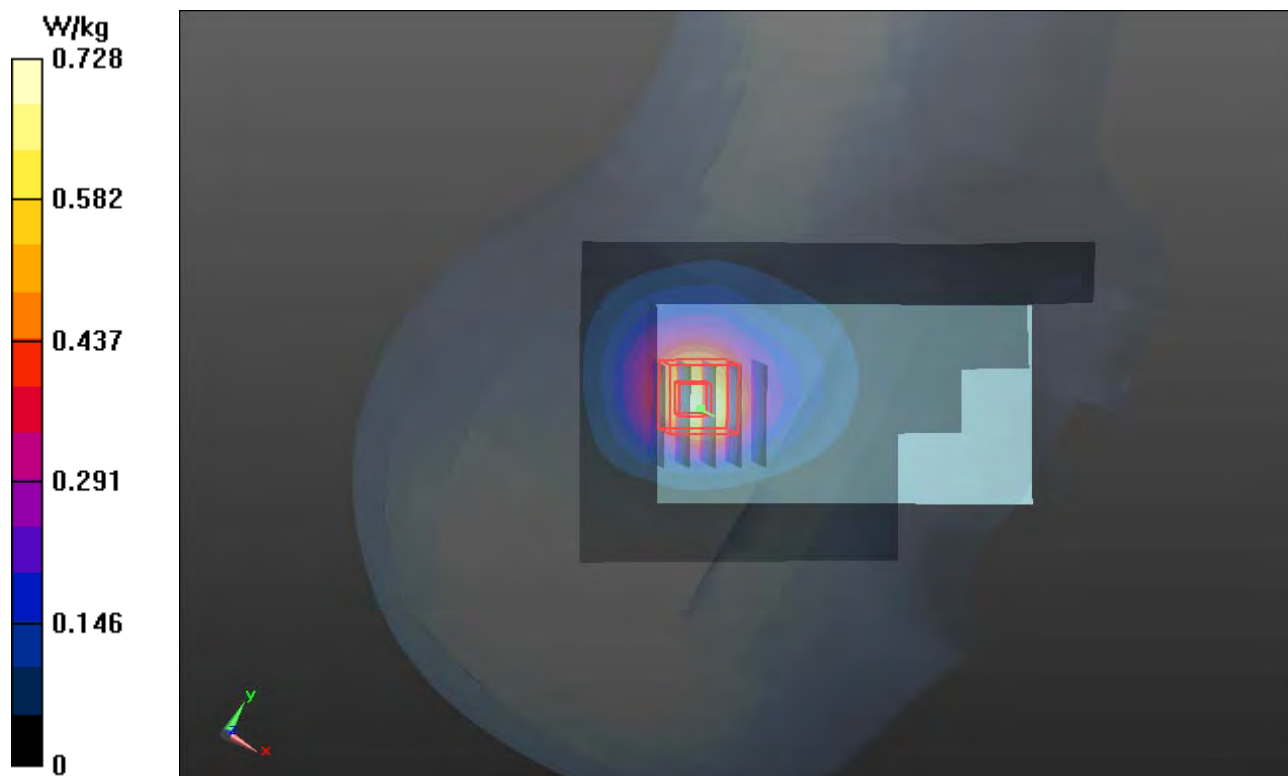
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

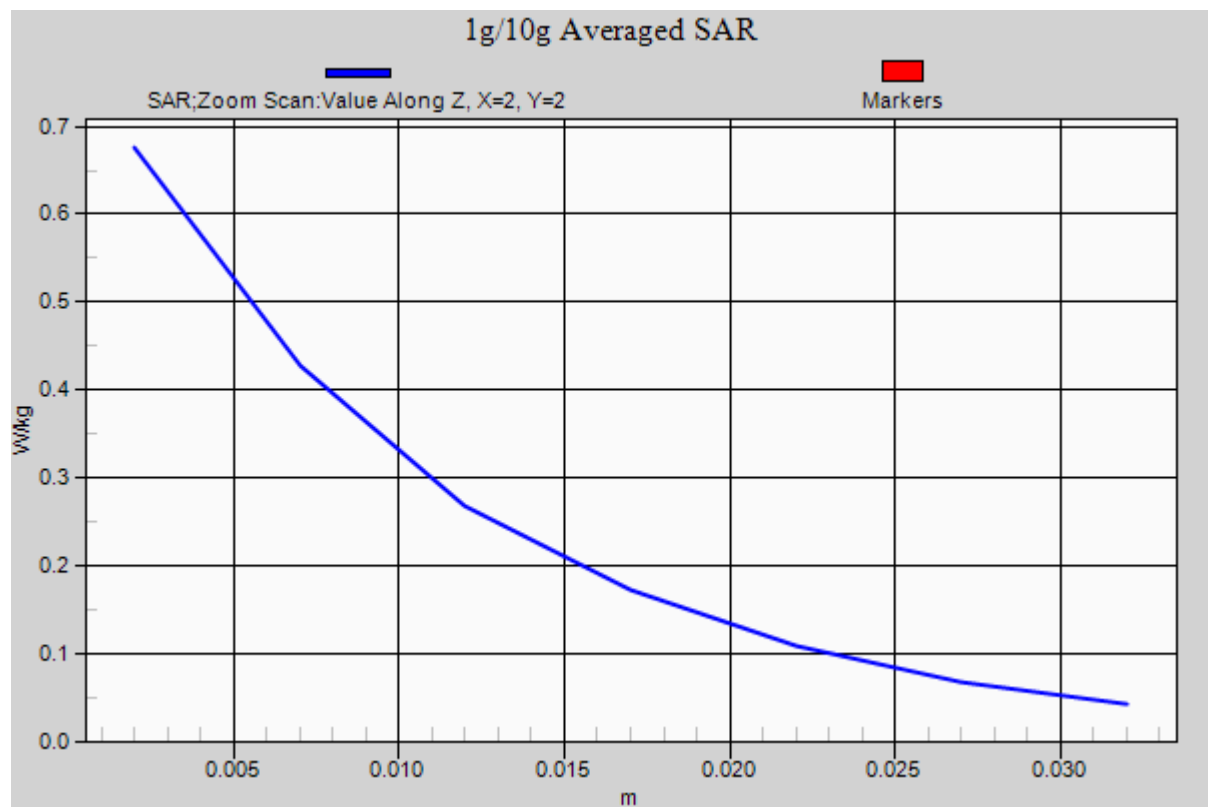
Reference Value = 21.069 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.843 mW/g

SAR(1 g) = 0.514 mW/g; SAR(10 g) = 0.299 mW/g

Maximum value of SAR (measured) = 0.676 W/kg





P228 LTE2_QPSK_10M_Left Cheek_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x91x1): Measurement grid: dx=20mm, dy=20mm

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

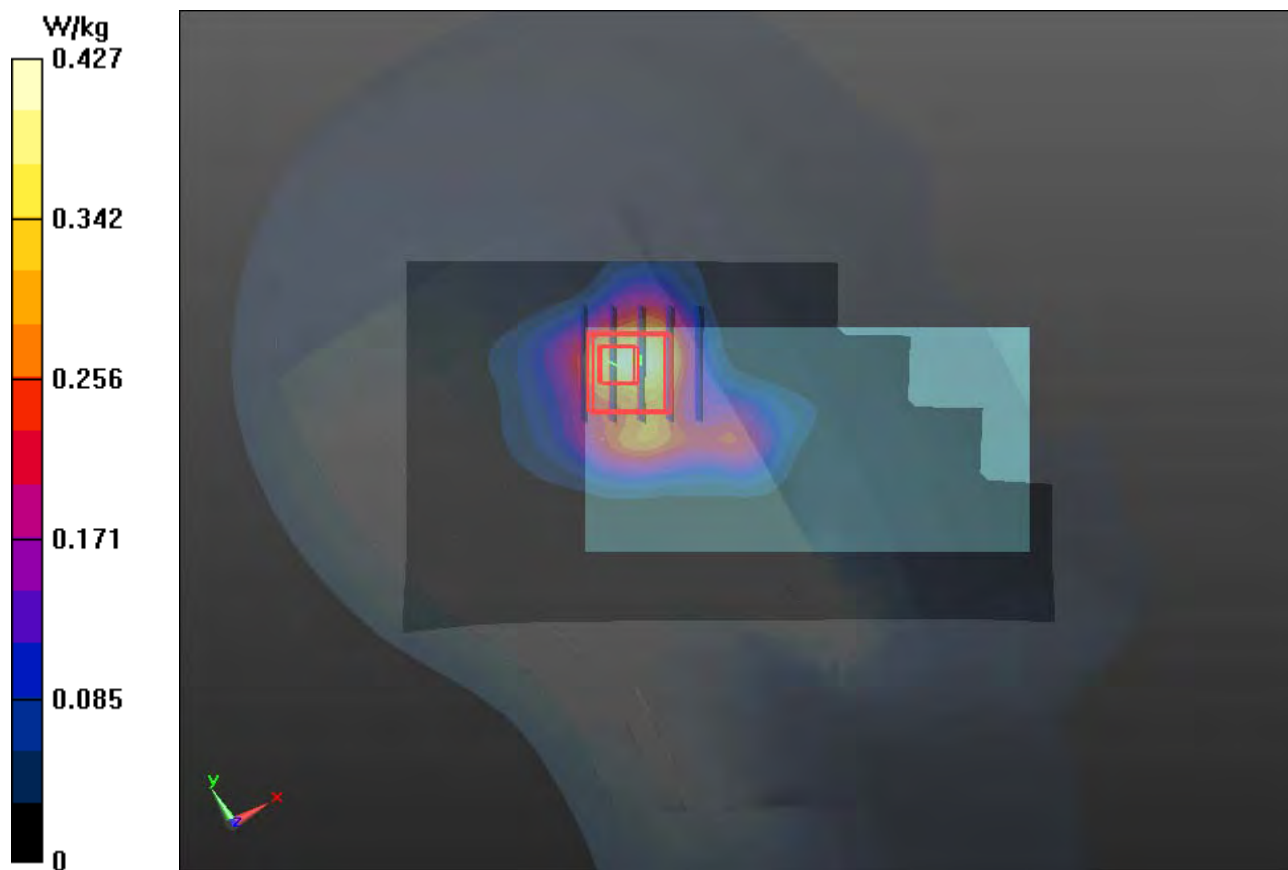
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.693 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.460 mW/g

SAR(1 g) = 0.260 mW/g; SAR(10 g) = 0.148 mW/g

Maximum value of SAR (measured) = 0.360 W/kg



P229 LTE2_QPSK_10M_Left Tilted_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.323 W/kg

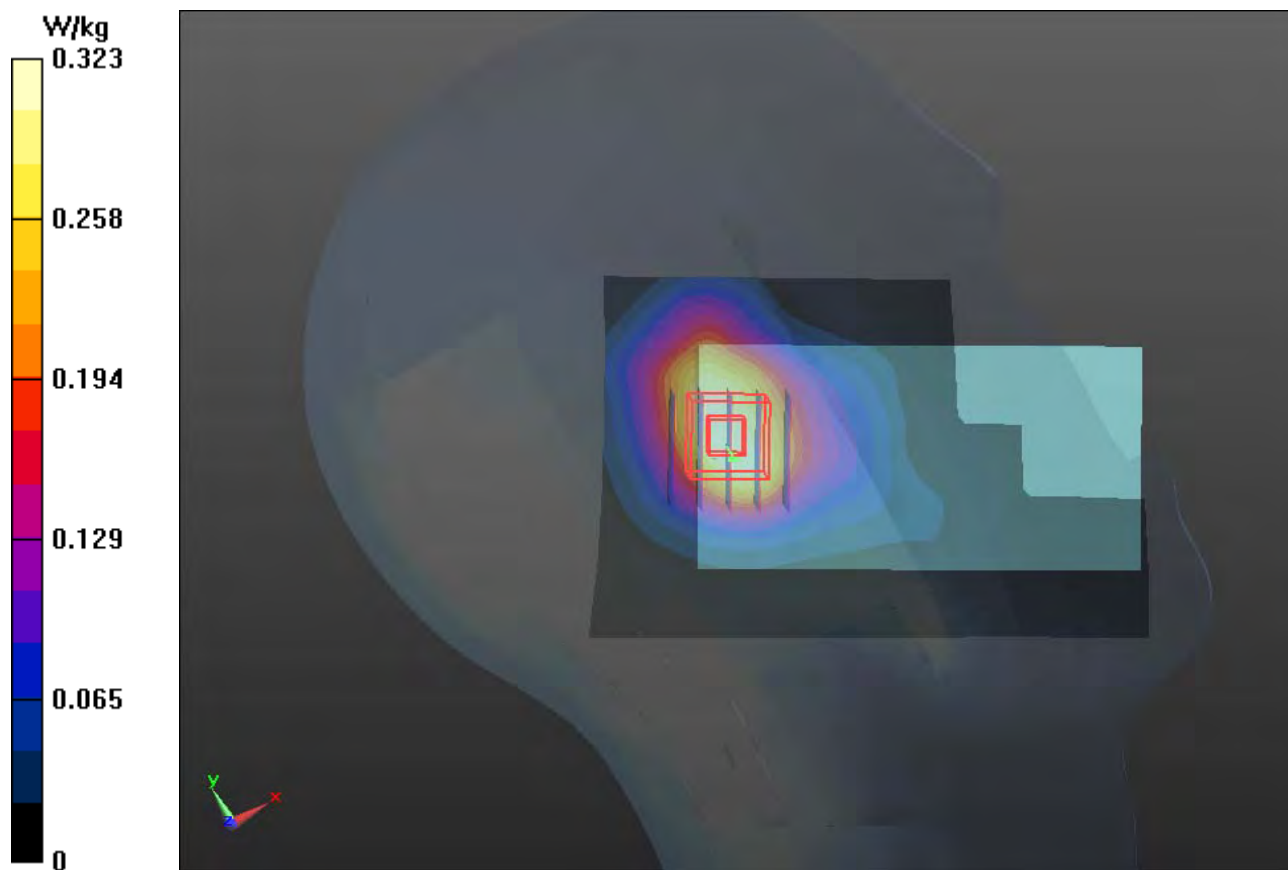
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.204 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.466 mW/g

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.379 W/kg



P1148 LTE 2_16QAM_10M_Right Cheek_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.256 W/kg

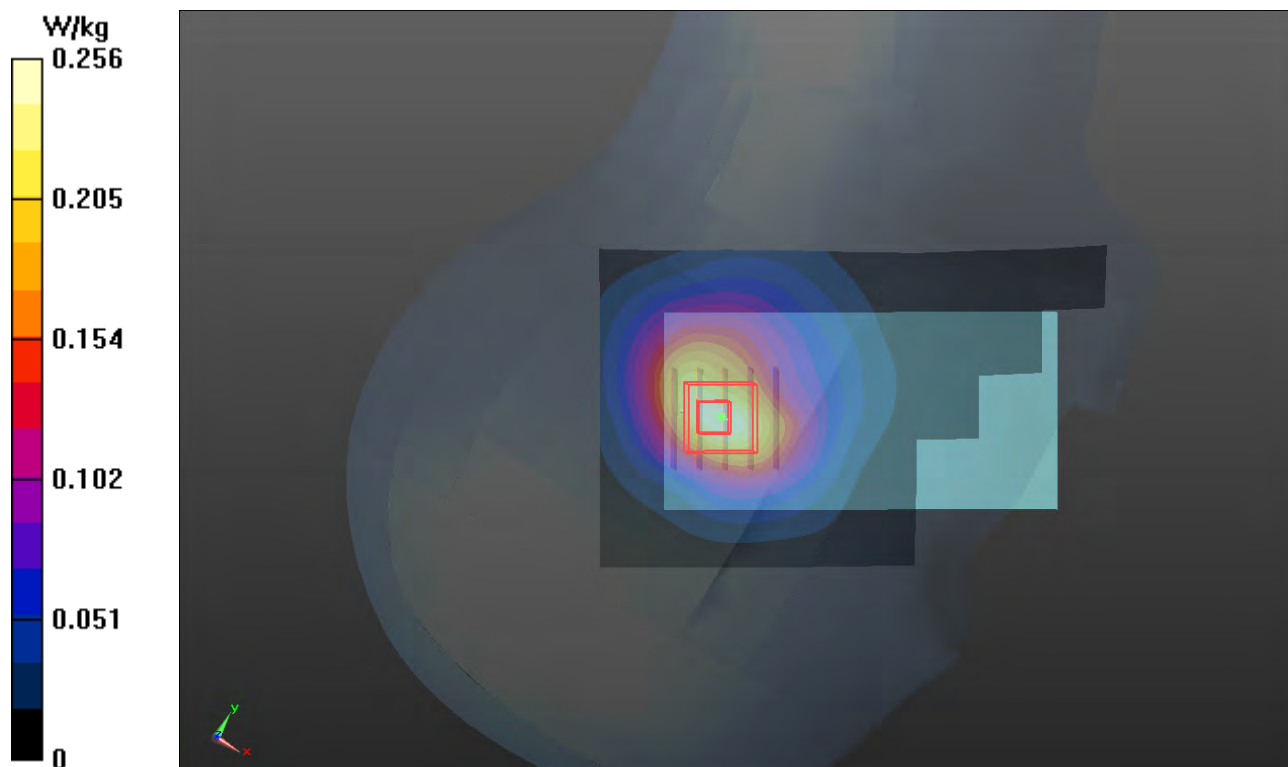
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.264 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.298 mW/g

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.240 W/kg



P231 LTE2_16QAM_10M_Right Tilted_Ch19150_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.485 W/kg

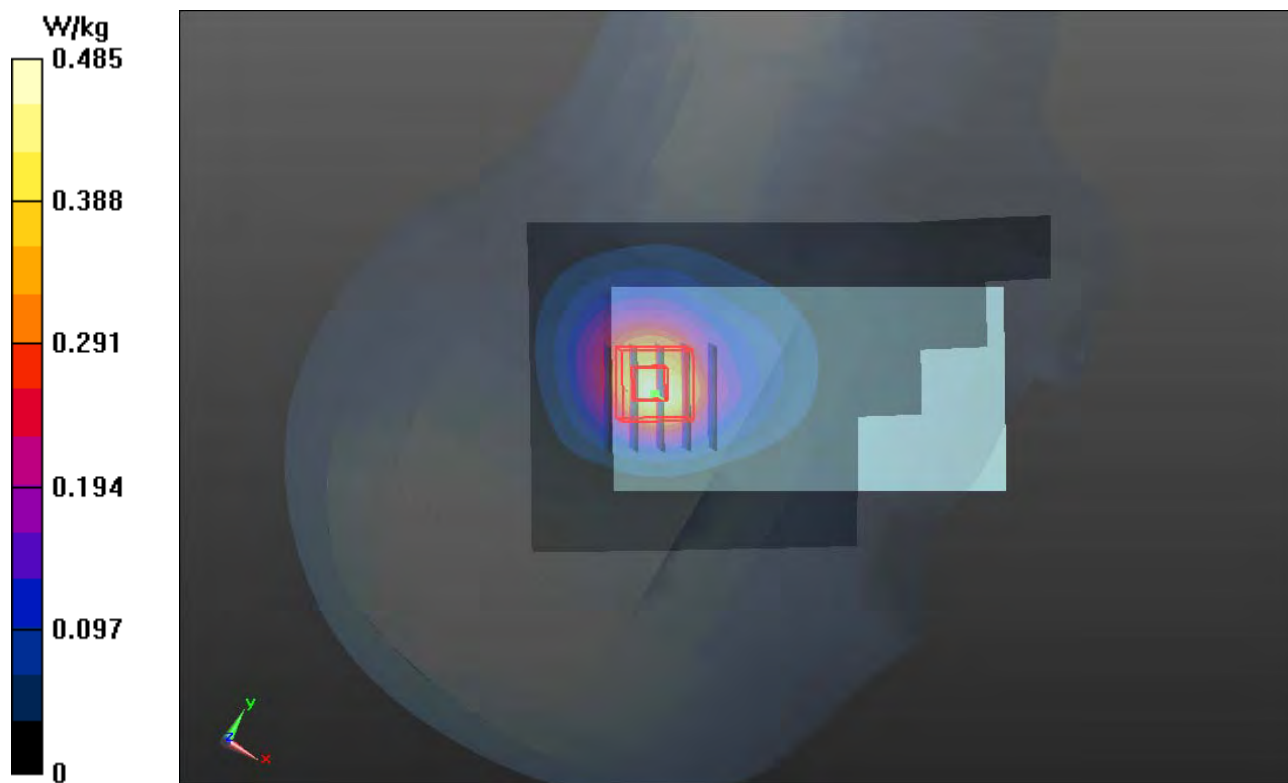
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.076 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.534 mW/g

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.194 mW/g

Maximum value of SAR (measured) = 0.433 W/kg



P1149 LTE 2_16QAM_10M_Left Cheek_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.356 W/kg

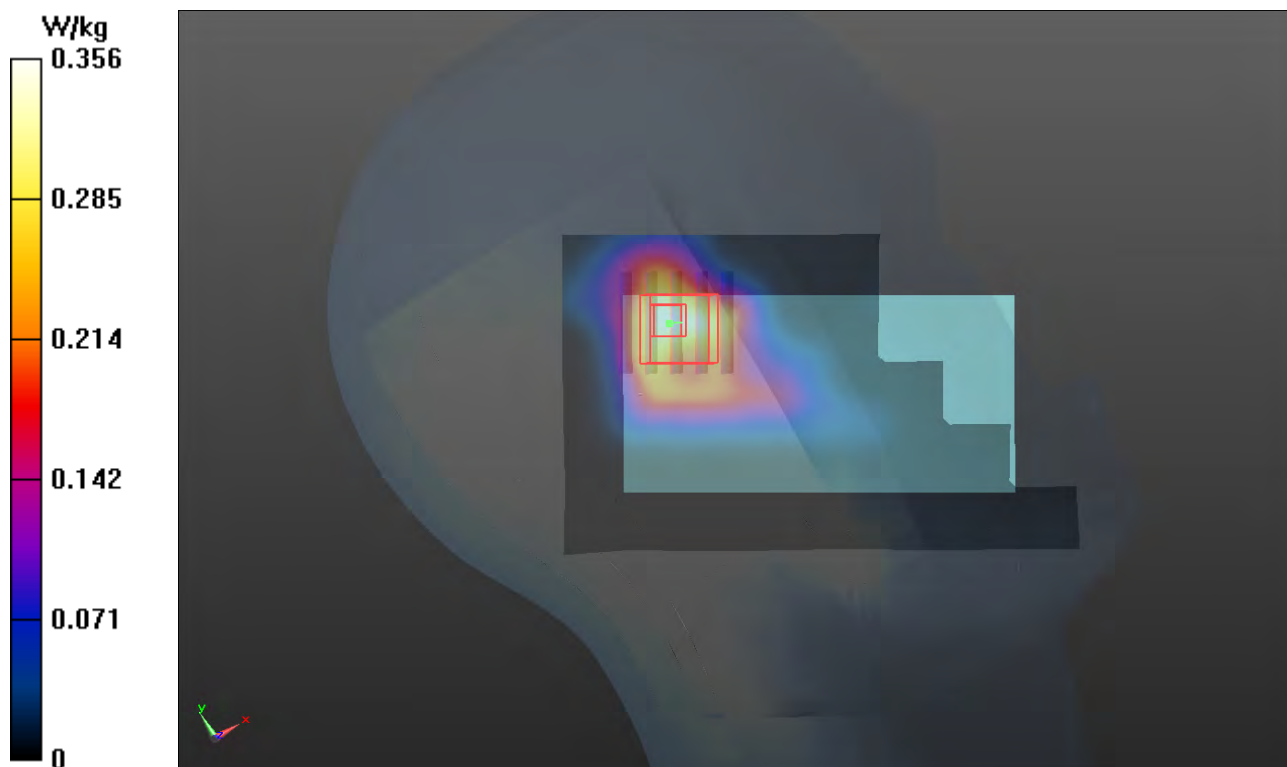
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.027 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.344 mW/g

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.113 mW/g

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



P1150 LTE 2_16QAM_10M_Left Tilted_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.400 W/kg

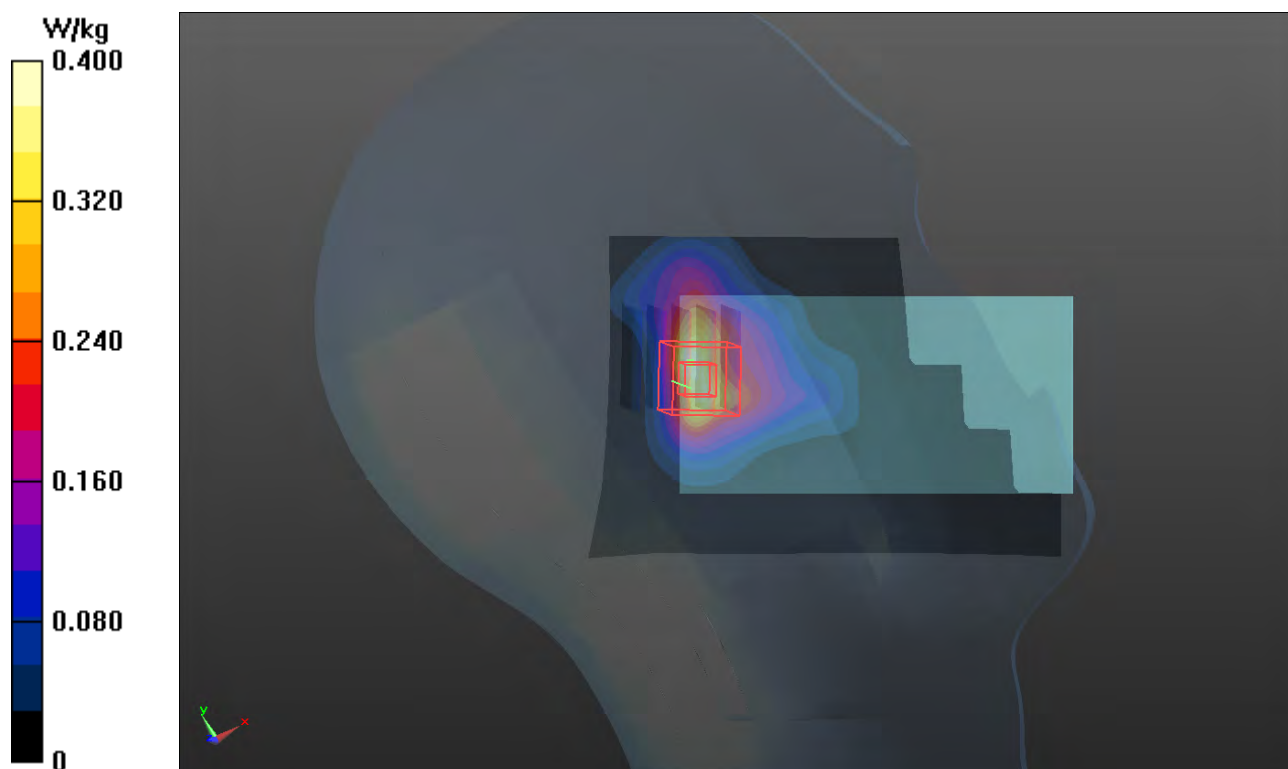
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.306 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.341 mW/g

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.119 mW/g

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



P1151 LTE 2_16QAM_10M_Right Cheek_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

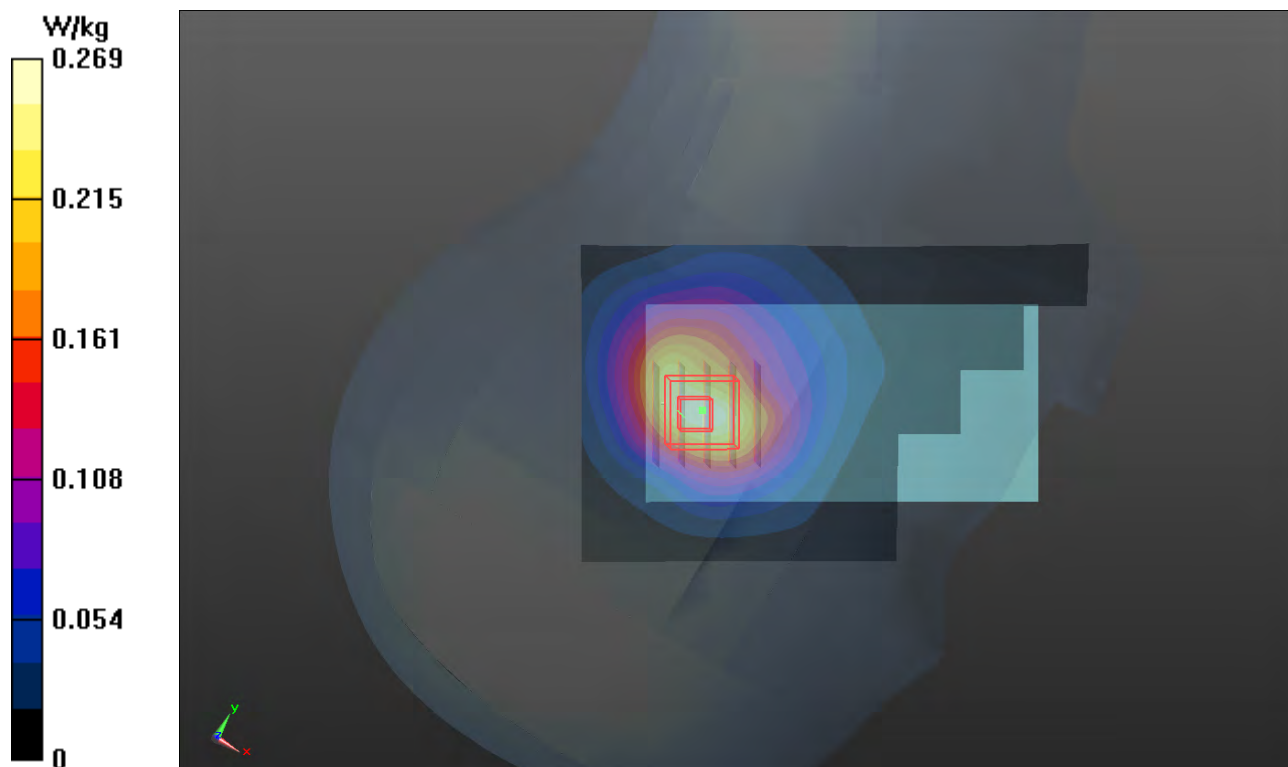
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.777 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.317 mW/g

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.120 mW/g

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



P232 LTE2_16QAM_10M_Right Tilted_Ch19150_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

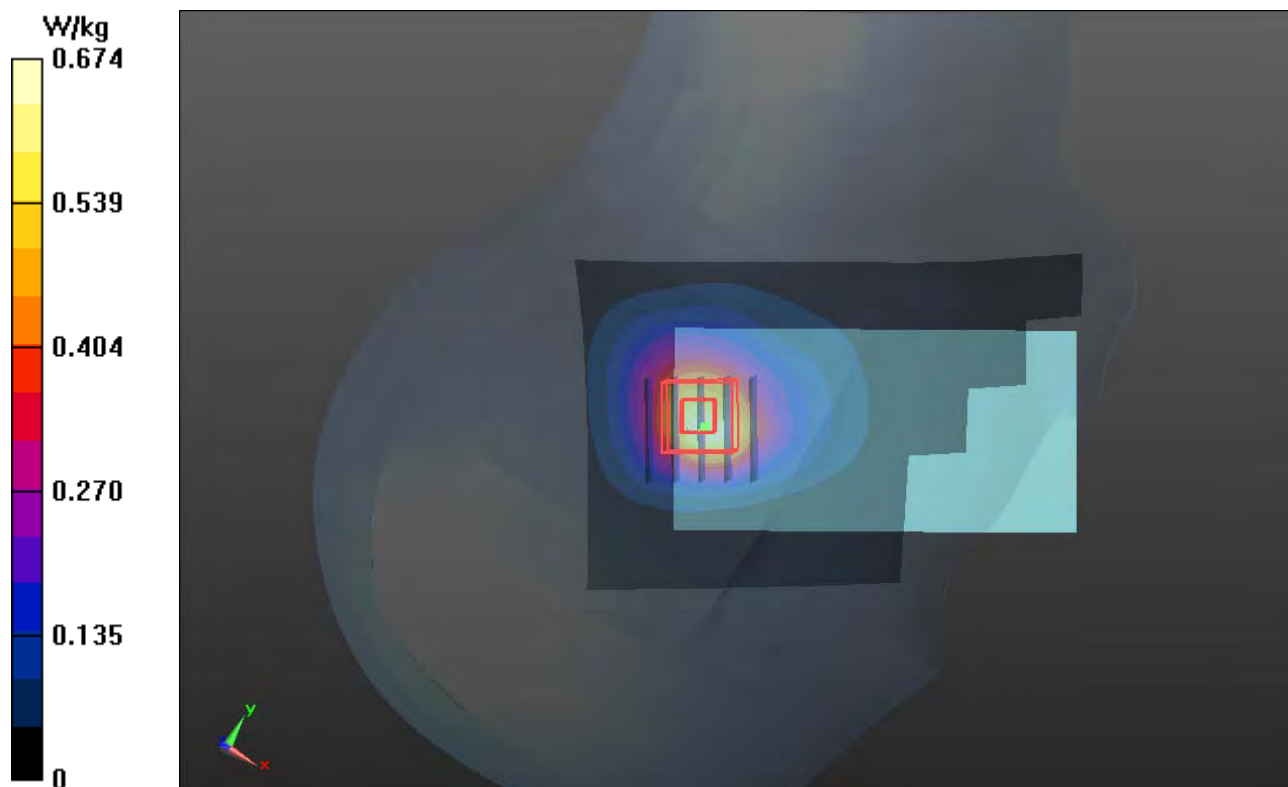
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.204 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.580 mW/g

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.460 W/kg



P1152 LTE 2_16QAM_10M_Left Cheek_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.361 W/kg

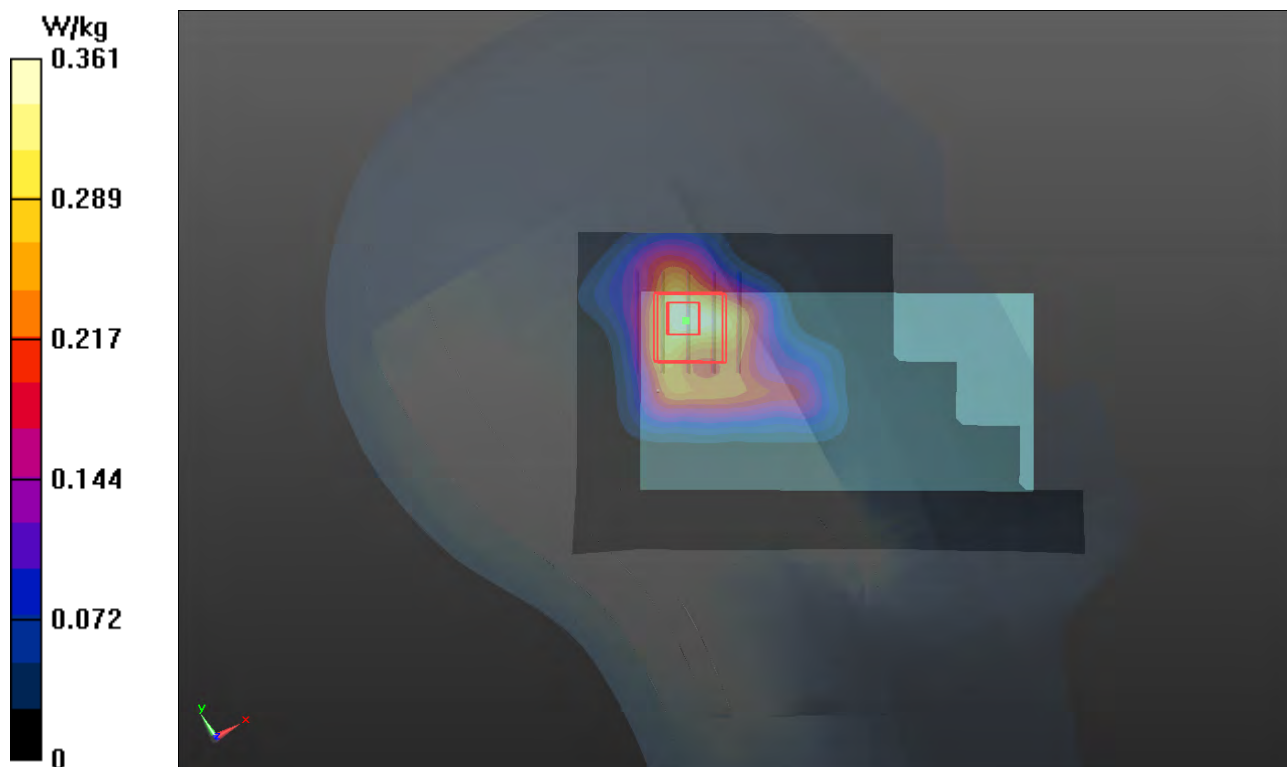
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.151 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.364 mW/g

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.119 mW/g

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



P1153 LTE 2_16QAM_10M_Left Tilted_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.430 W/kg

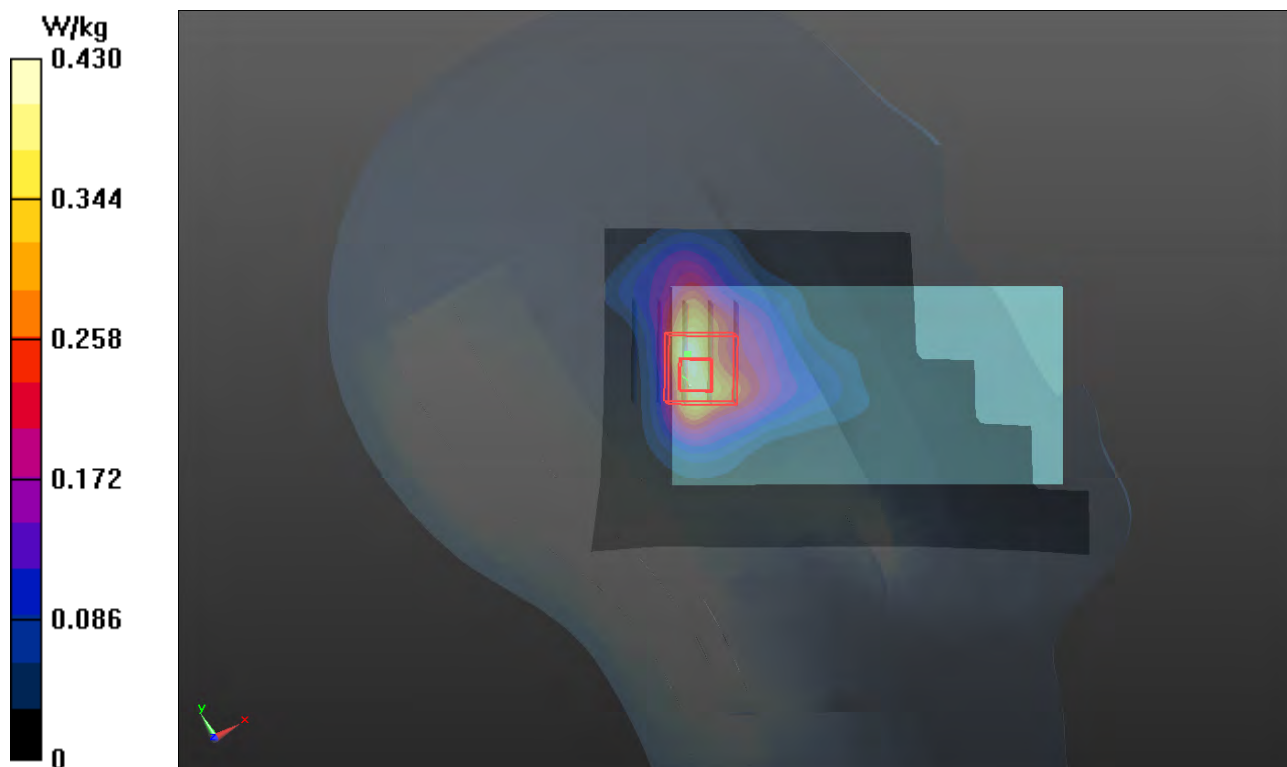
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.833 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.360 mW/g

SAR(1 g) = 0.216 mW/g; SAR(10 g) = 0.127 mW/g

Maximum value of SAR (measured) = 0.291 W/kg



P1154 LTE 2_16QAM_10M_Right Cheek_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.256 W/kg

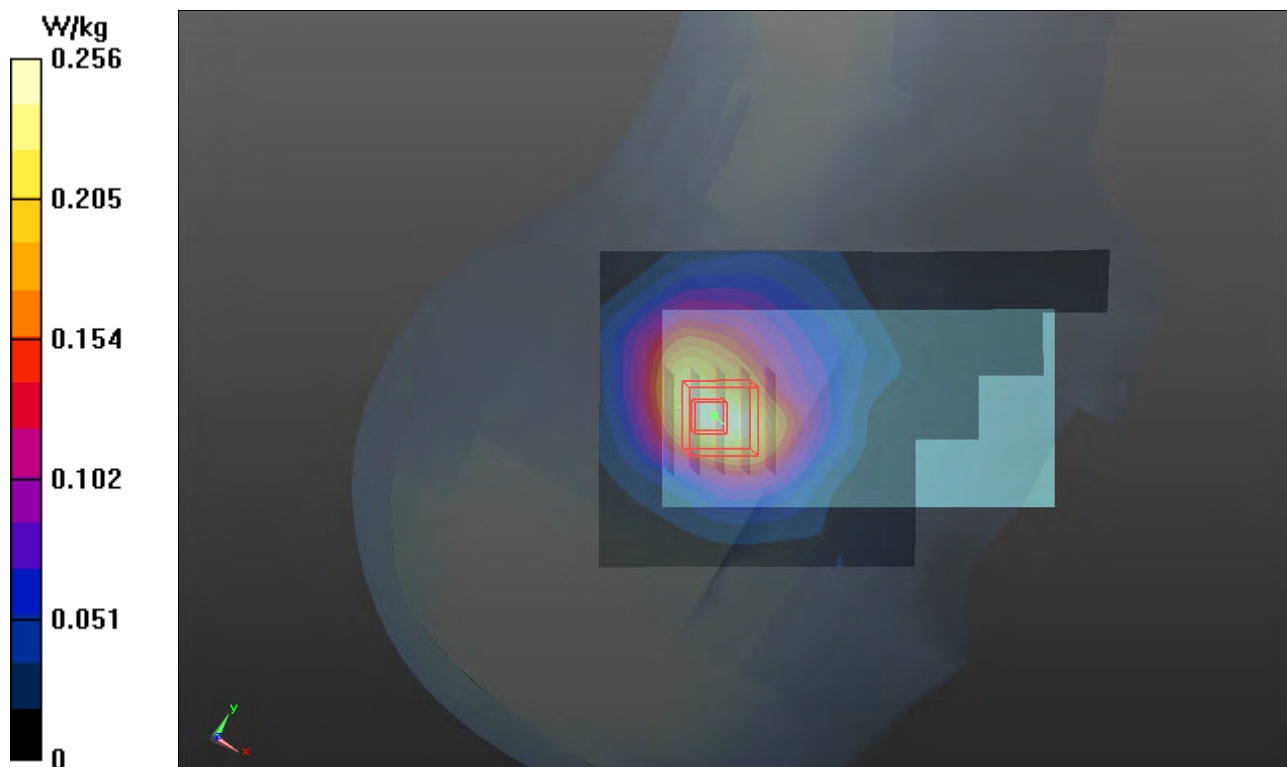
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.537 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.312 mW/g

SAR(1 g) = 0.190 mW/g; SAR(10 g) = 0.116 mW/g

Maximum value of SAR (measured) = 0.251 W/kg



P233 LTE2_16QAM_10M_Right Tilted_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.83, 8.83, 8.83); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.614 W/kg

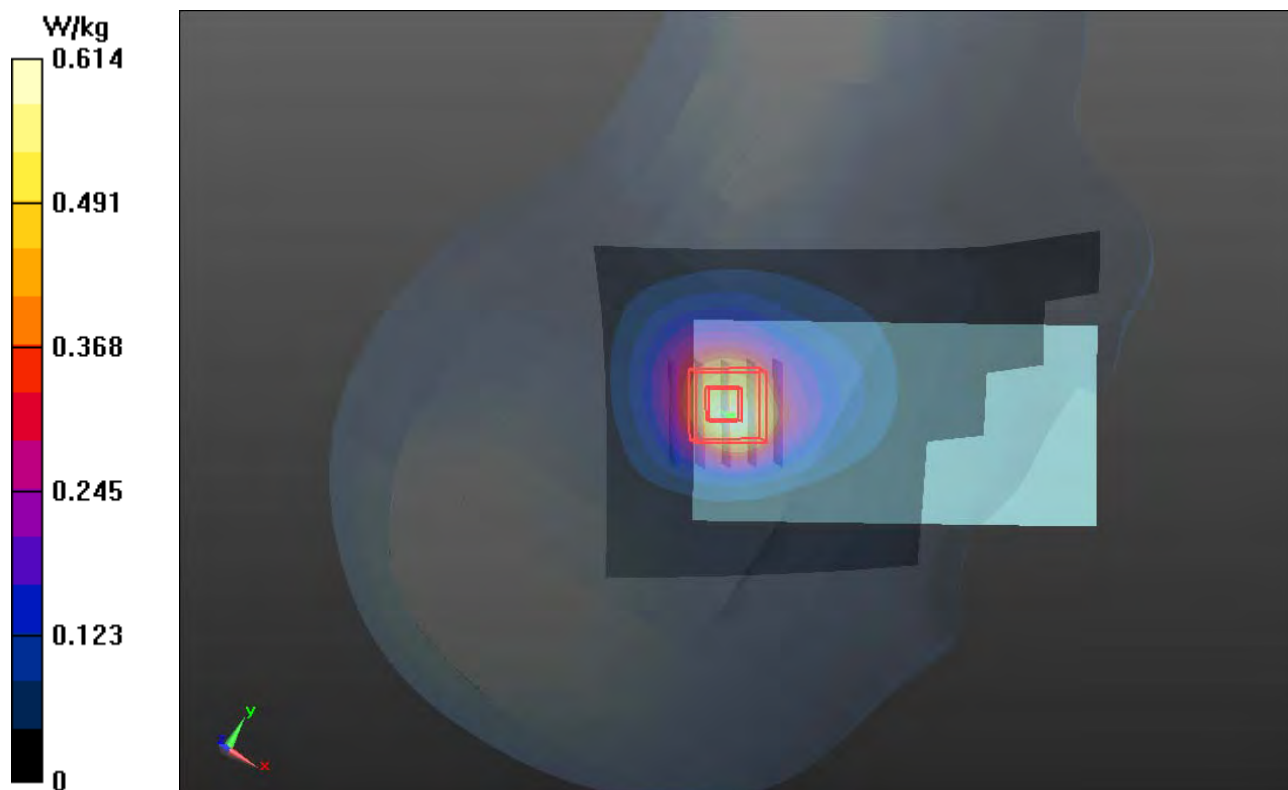
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.442 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.679 mW/g

SAR(1 g) = 0.421 mW/g; SAR(10 g) = 0.250 mW/g

Maximum value of SAR (measured) = 0.540 W/kg



P1155 LTE 2_16QAM_10M_Left Cheek_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.429 W/kg

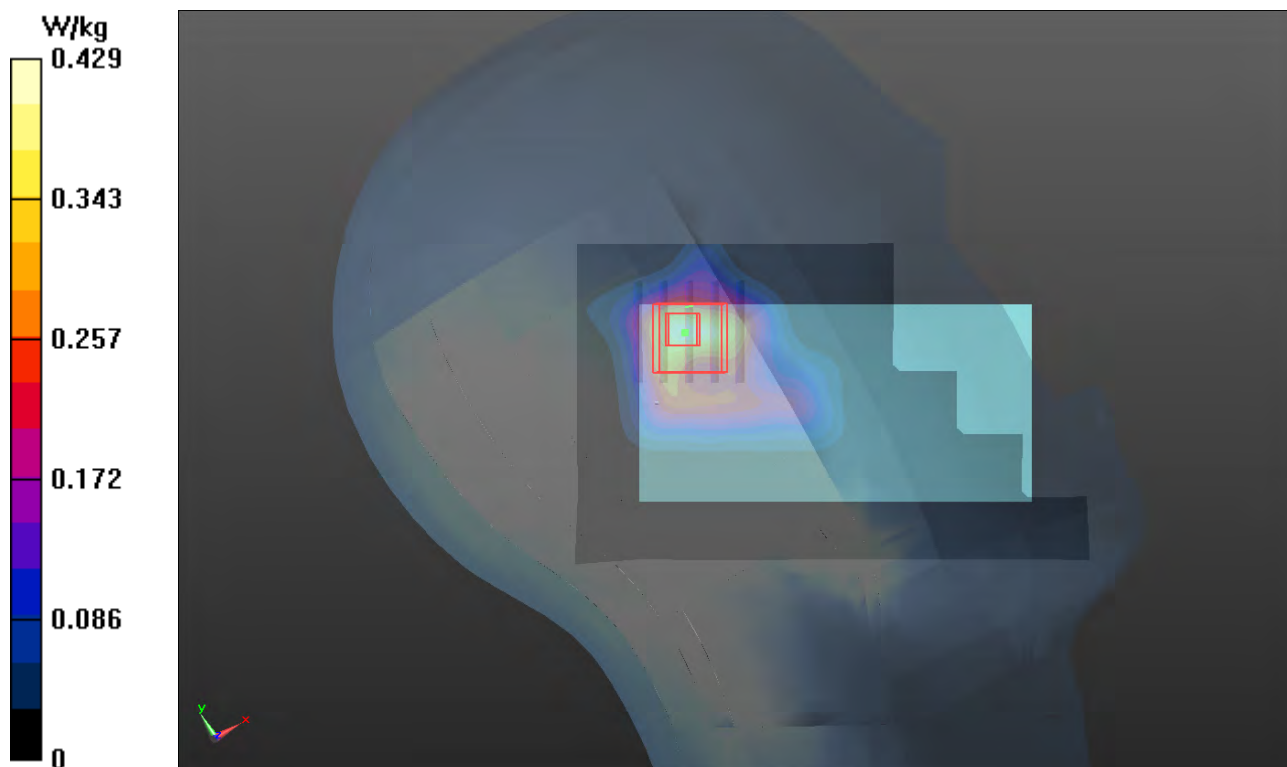
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.965 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.359 mW/g

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.268 W/kg



P1156 LTE 2_16QAM_10M_Left Tilted_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.429$ mho/m; $\epsilon_r = 40.331$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

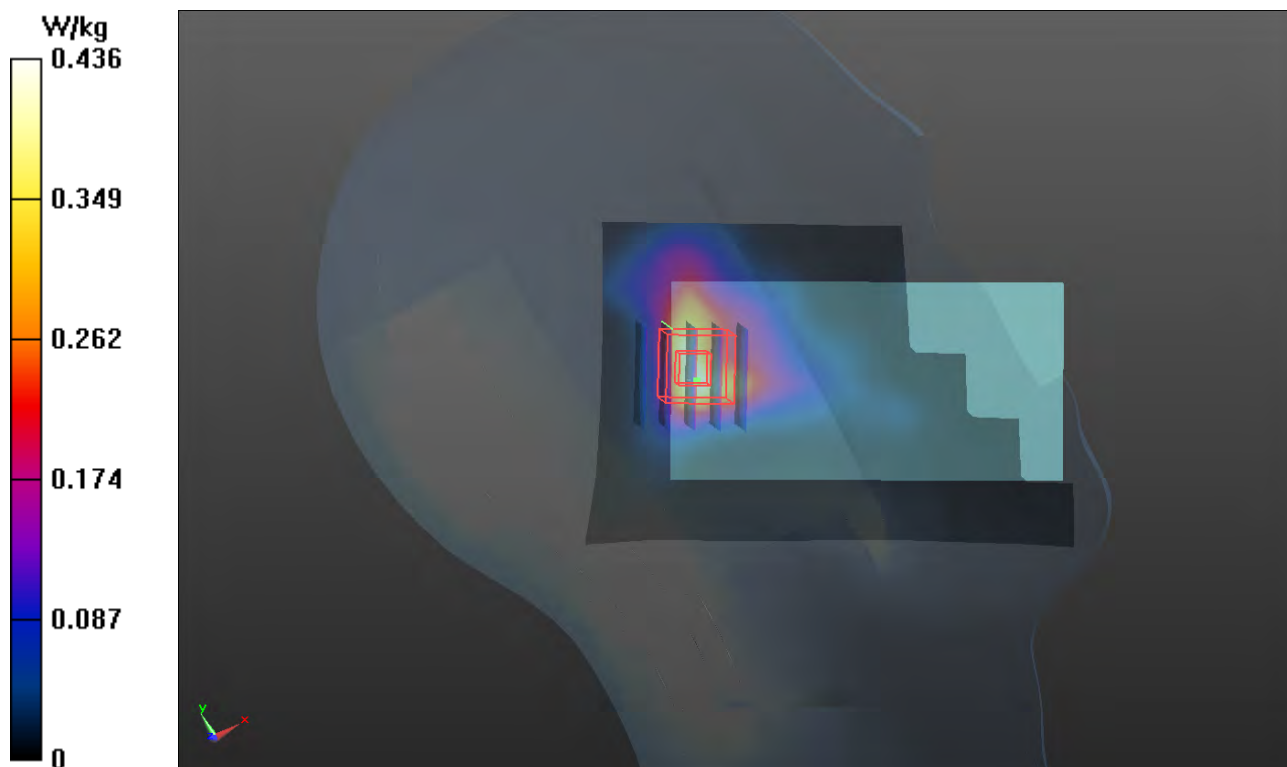
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.522 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.362 mW/g

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.273 W/kg



P1020 LTE 2_QPSK_10M_Right Cheek_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

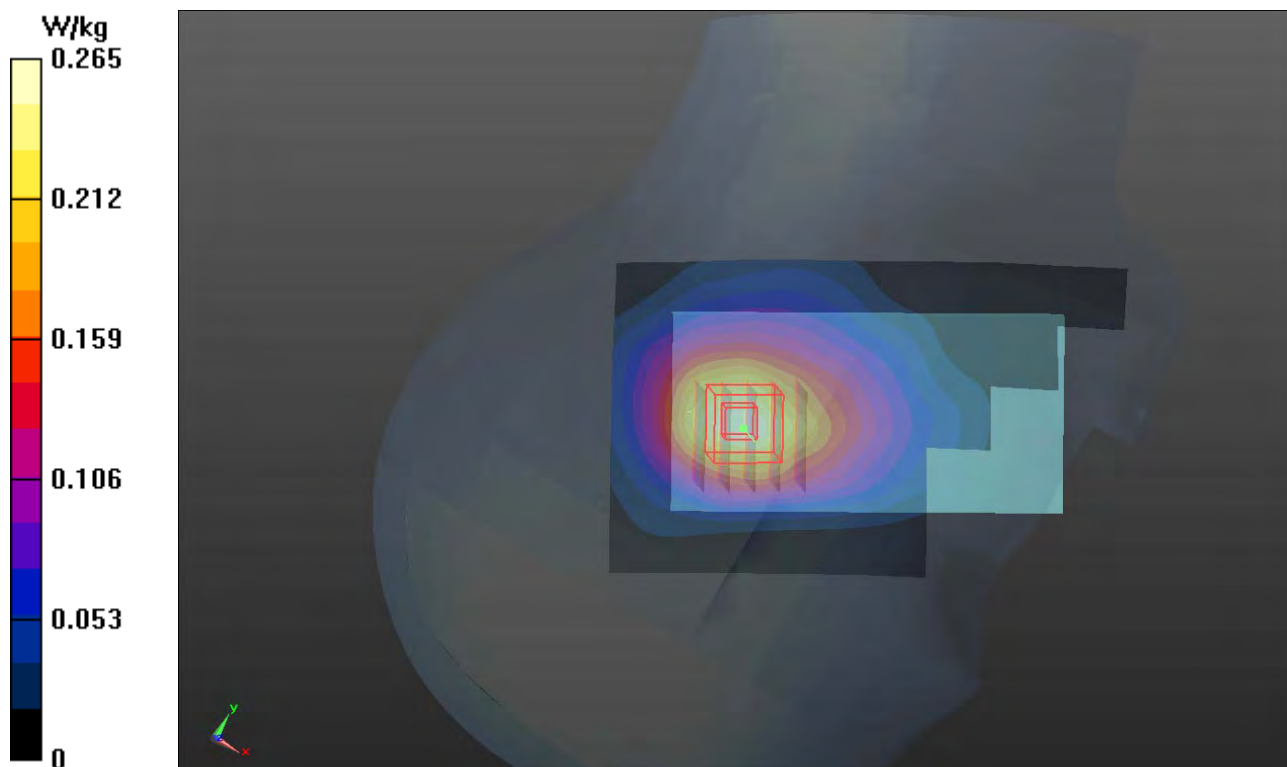
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.135 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.300 mW/g

SAR(1 g) = 0.191 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.247 W/kg



P1021 LTE 2_QPSK_10M_Right Tilted_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.302 W/kg

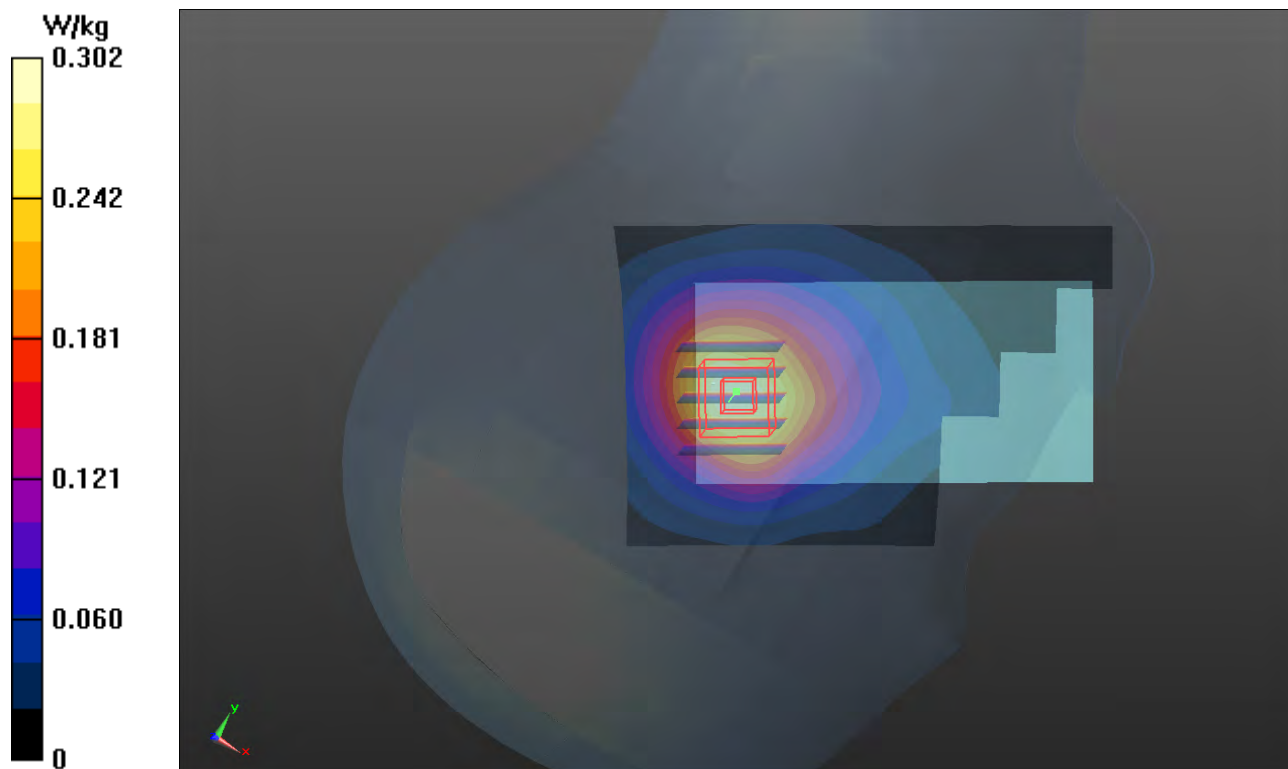
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.763 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.355 mW/g

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.291 W/kg



P1022 LTE 2_QPSK_10M_Left Cheek_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.298 W/kg

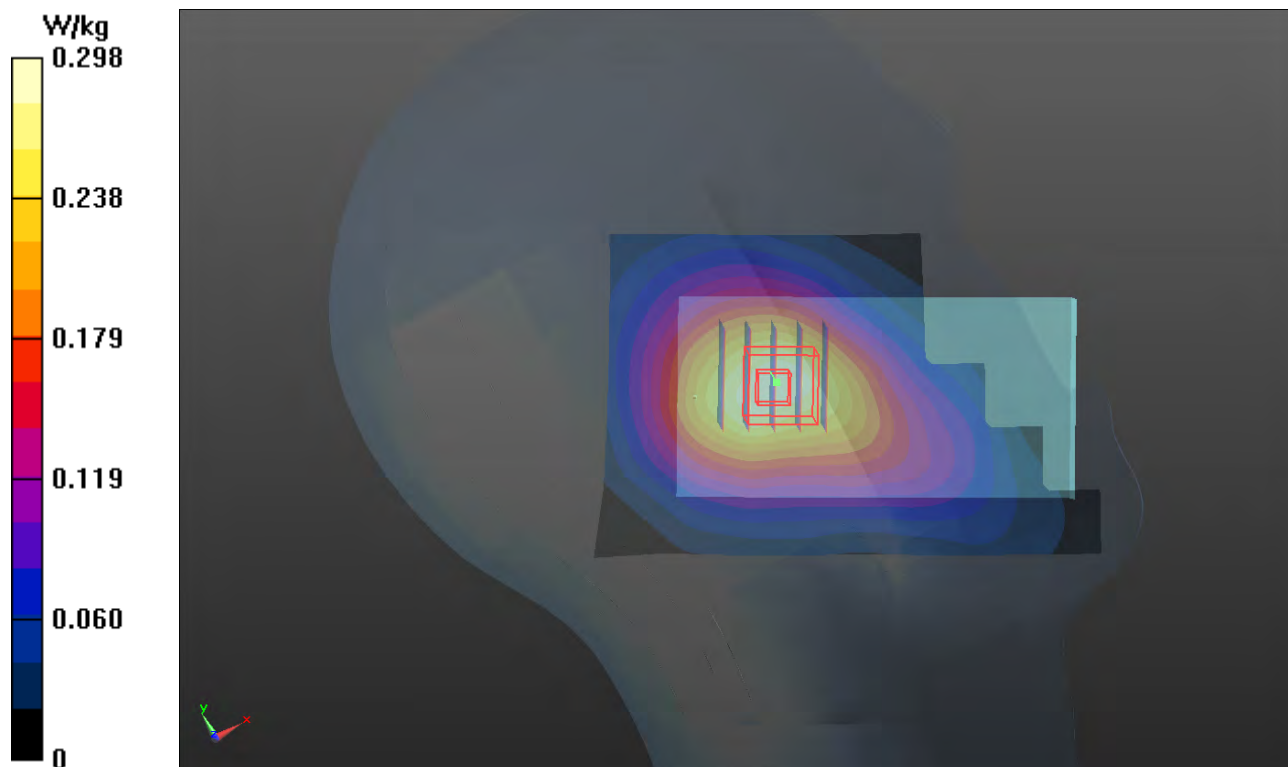
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.029 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.342 mW/g

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.281 W/kg



P1023 LTE 2_QPSK_10M_Left Tilted_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.243 W/kg

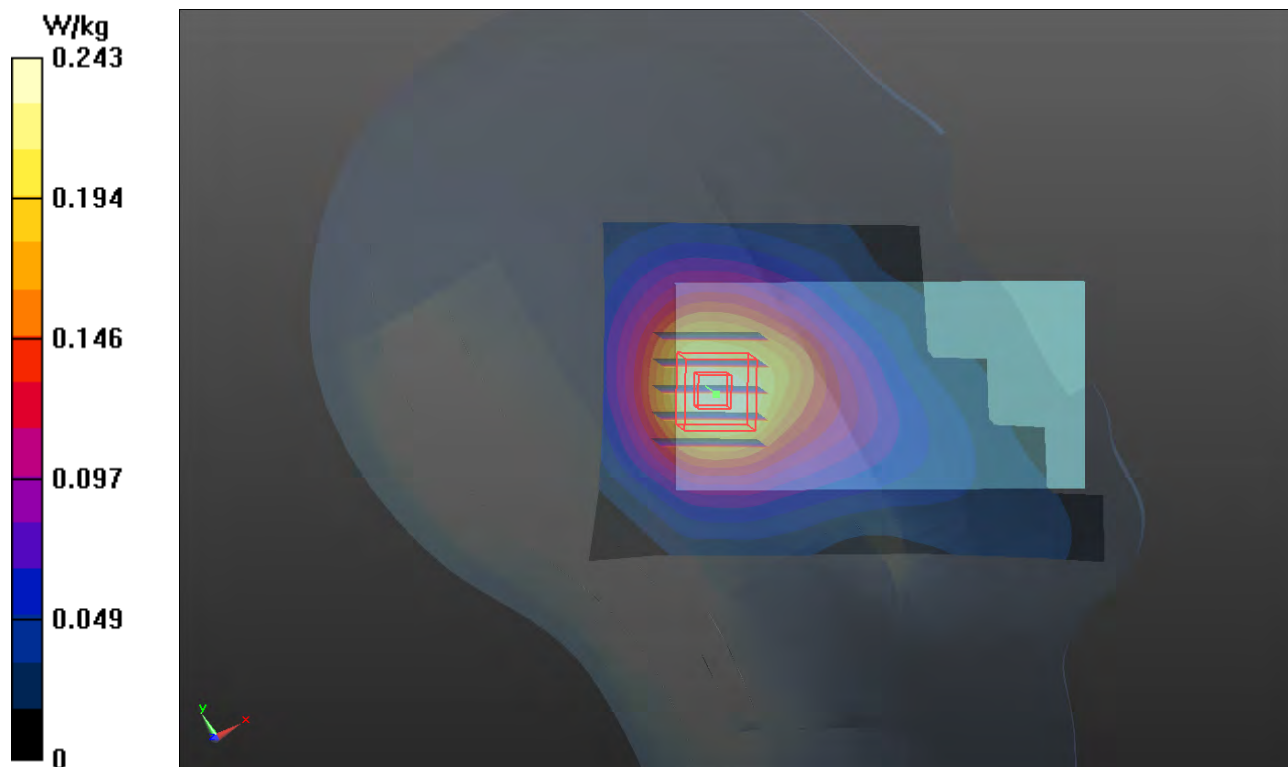
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.507 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.281 mW/g

SAR(1 g) = 0.177 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.232 W/kg



P1024 LTE 2_QPSK_10M_Right Cheek_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.285 W/kg

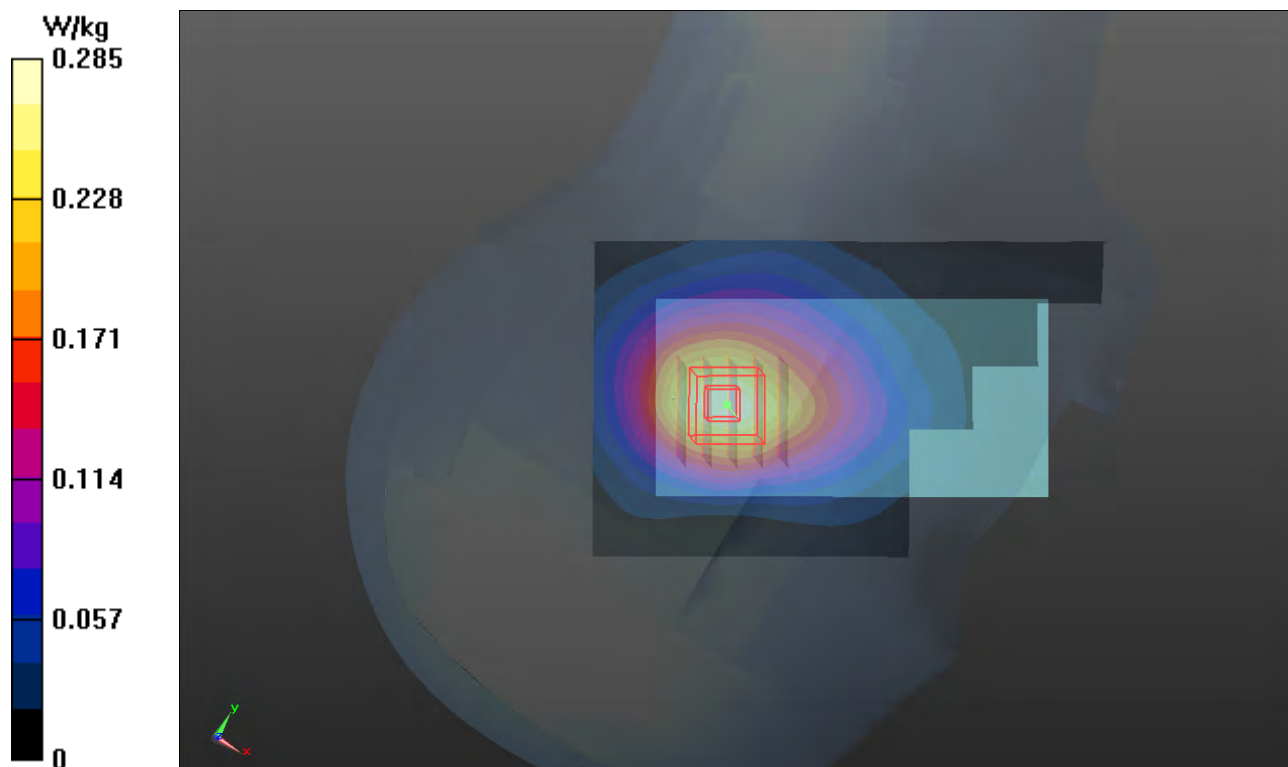
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.484 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.313 mW/g

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.125 mW/g

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



P1025 LTE 2_QPSK_10M_Right Tilted_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.305 W/kg

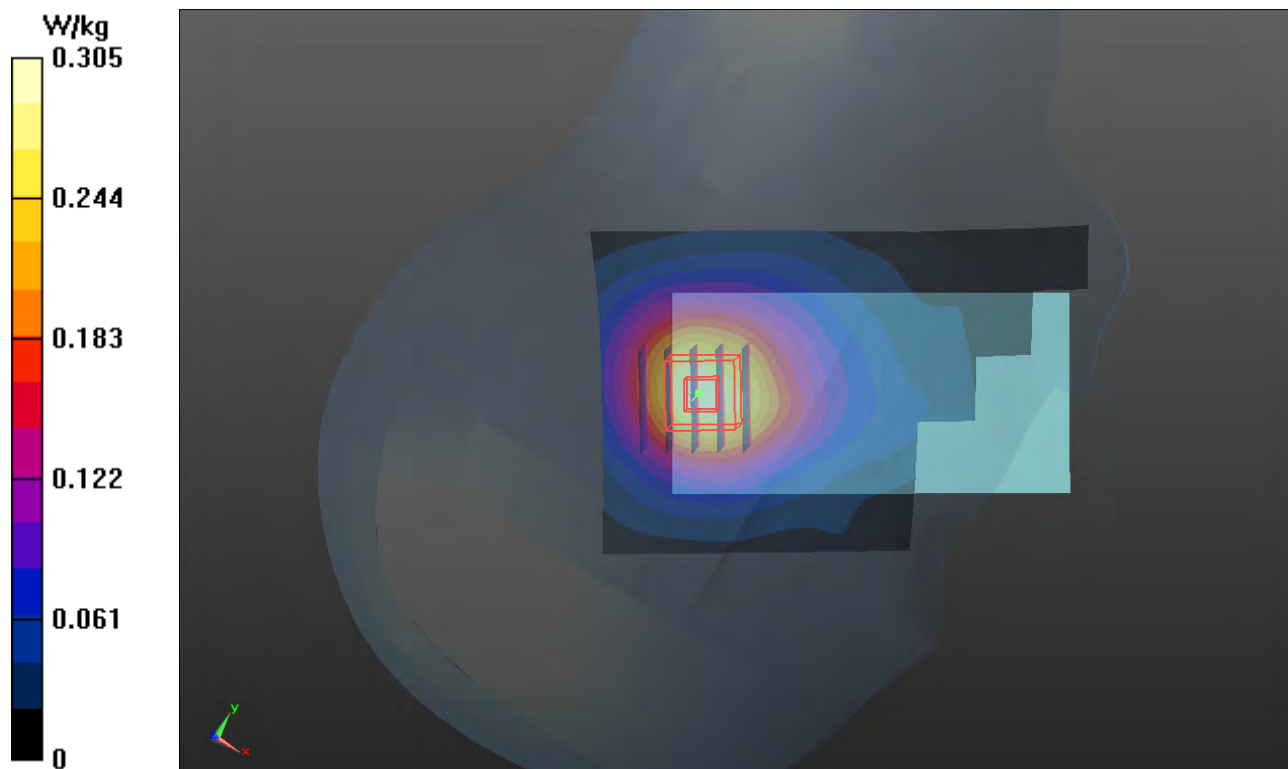
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.917 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.354 mW/g

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.291 W/kg



P1026 LTE 2_QPSK_10M_Left Cheek_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

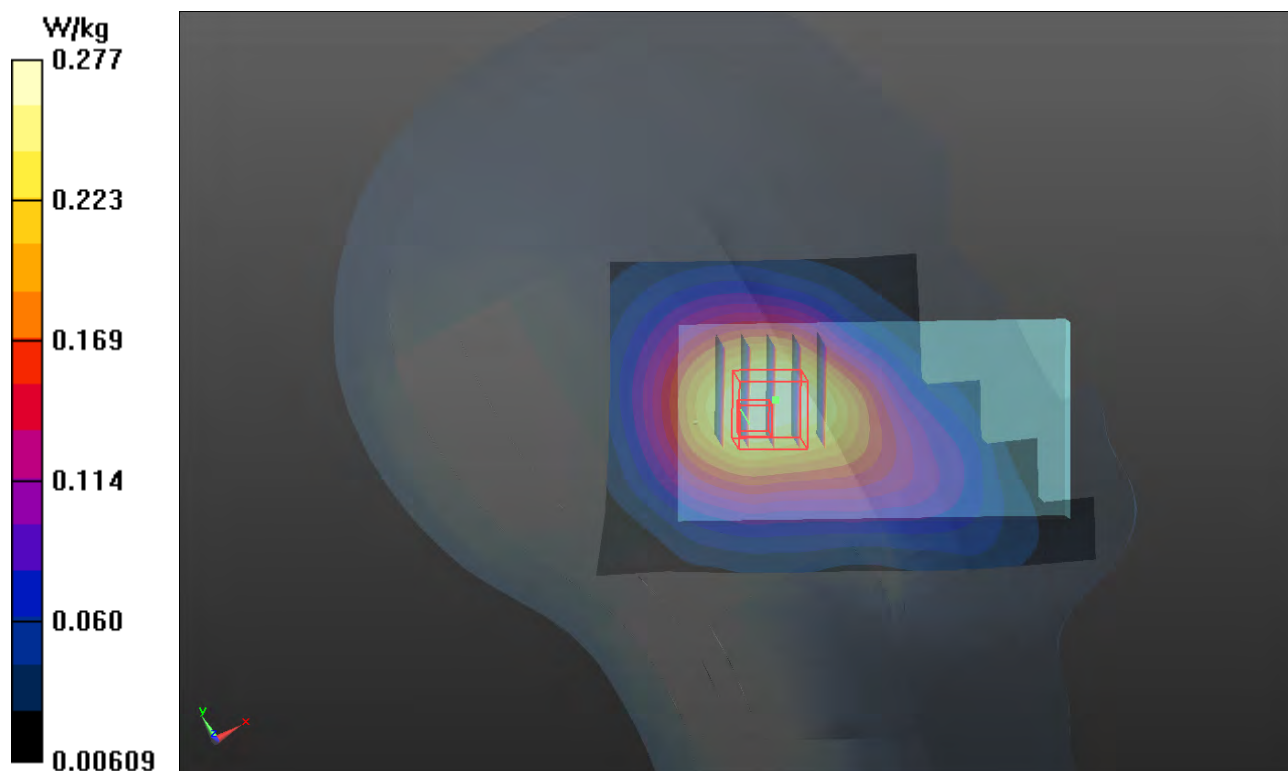
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.209 V/m; Power Drift = -0.085 dB

Peak SAR (extrapolated) = 0.349 mW/g

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.277 W/kg



P1027 LTE 2_QPSK_10M_Left Tilted_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.251 W/kg

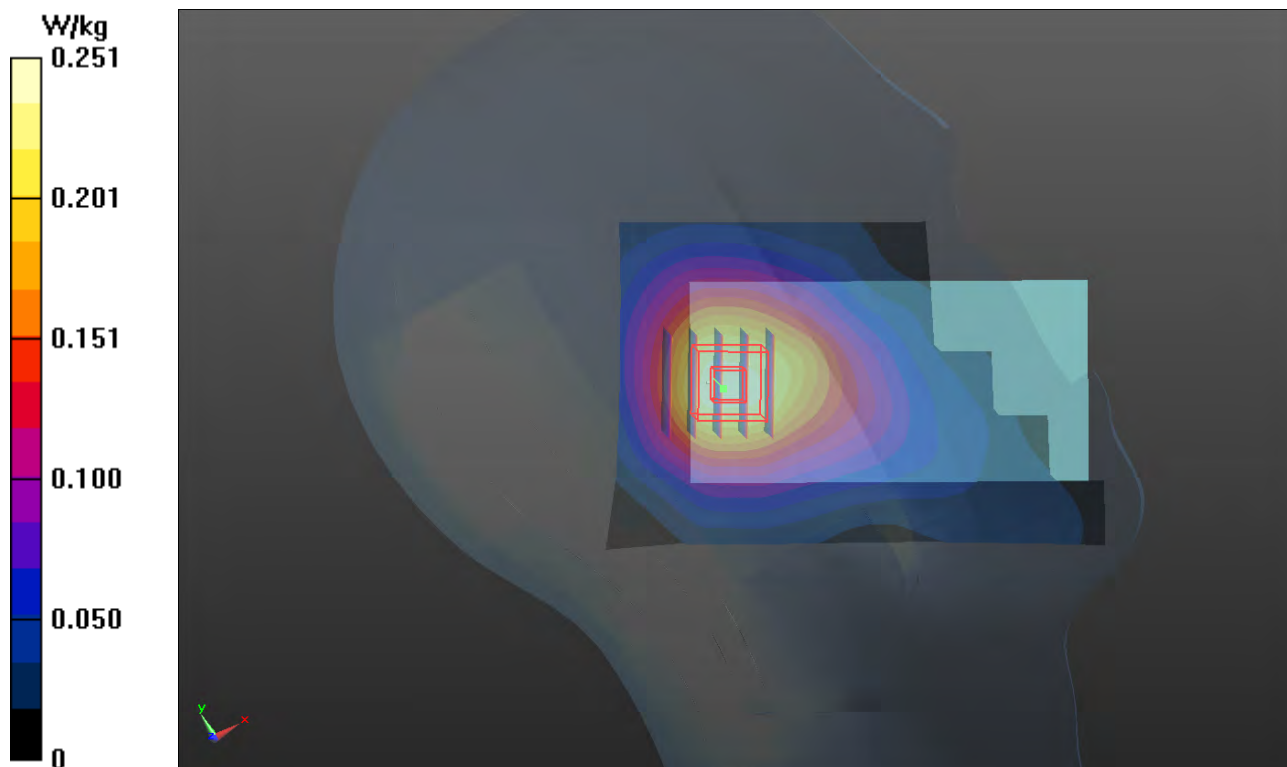
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.843 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.297 mW/g

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.117 mW/g

Maximum value of SAR (measured) = 0.244 W/kg



P413 LTE2_QPSK_10M_Right Cheek_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.2 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

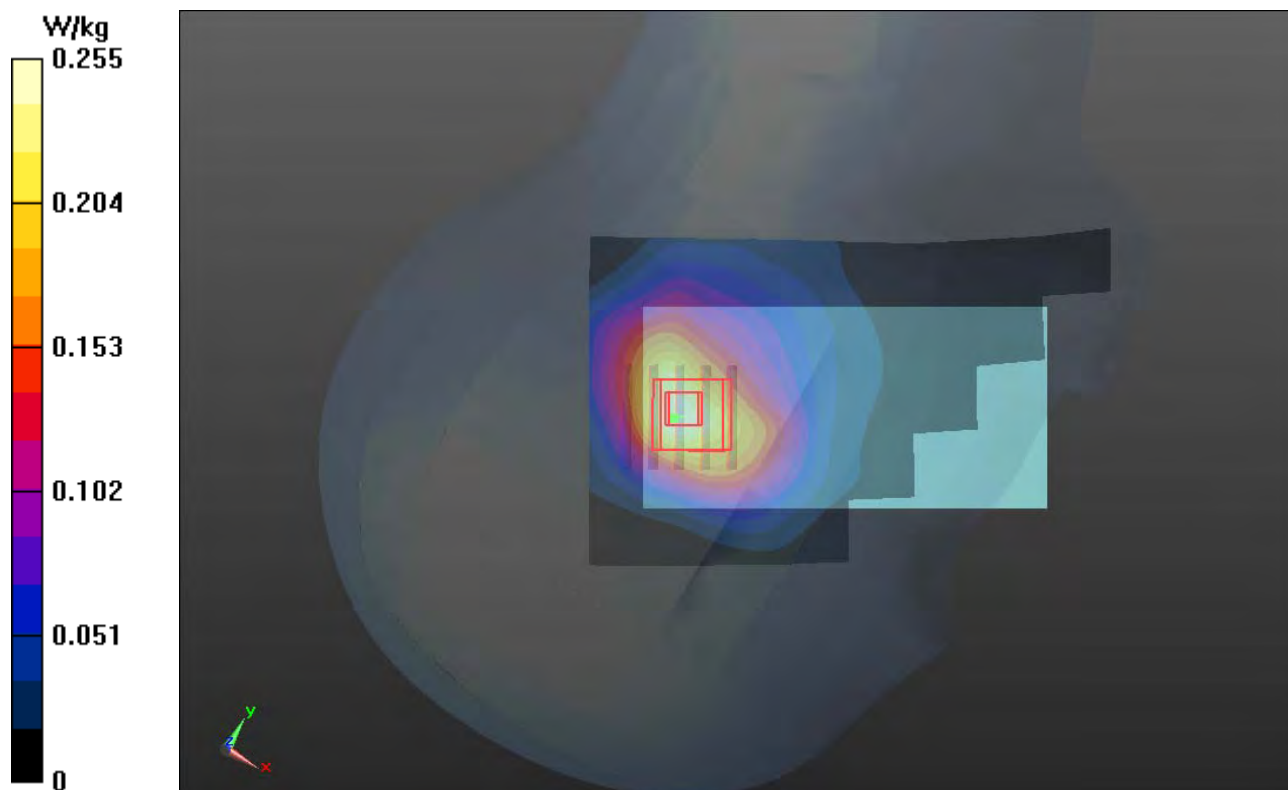
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.487 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.309 mW/g

SAR(1 g) = 0.197 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.250 W/kg



P414 LTE2_QPSK_10M_Right Tilted_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.2 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.417 W/kg

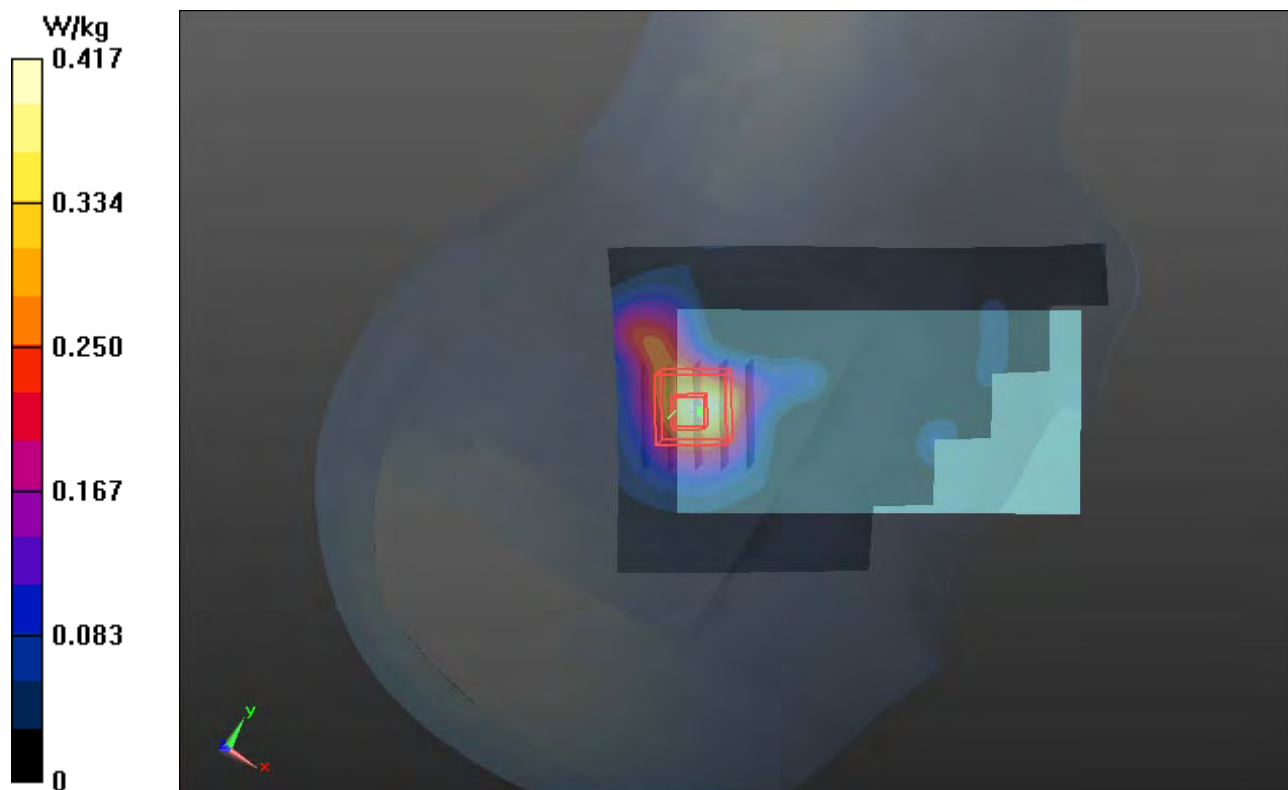
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.520 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.398 mW/g

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.306 W/kg



P415 LTE2_QPSK_10M_Left Cheek_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.2 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.313 W/kg

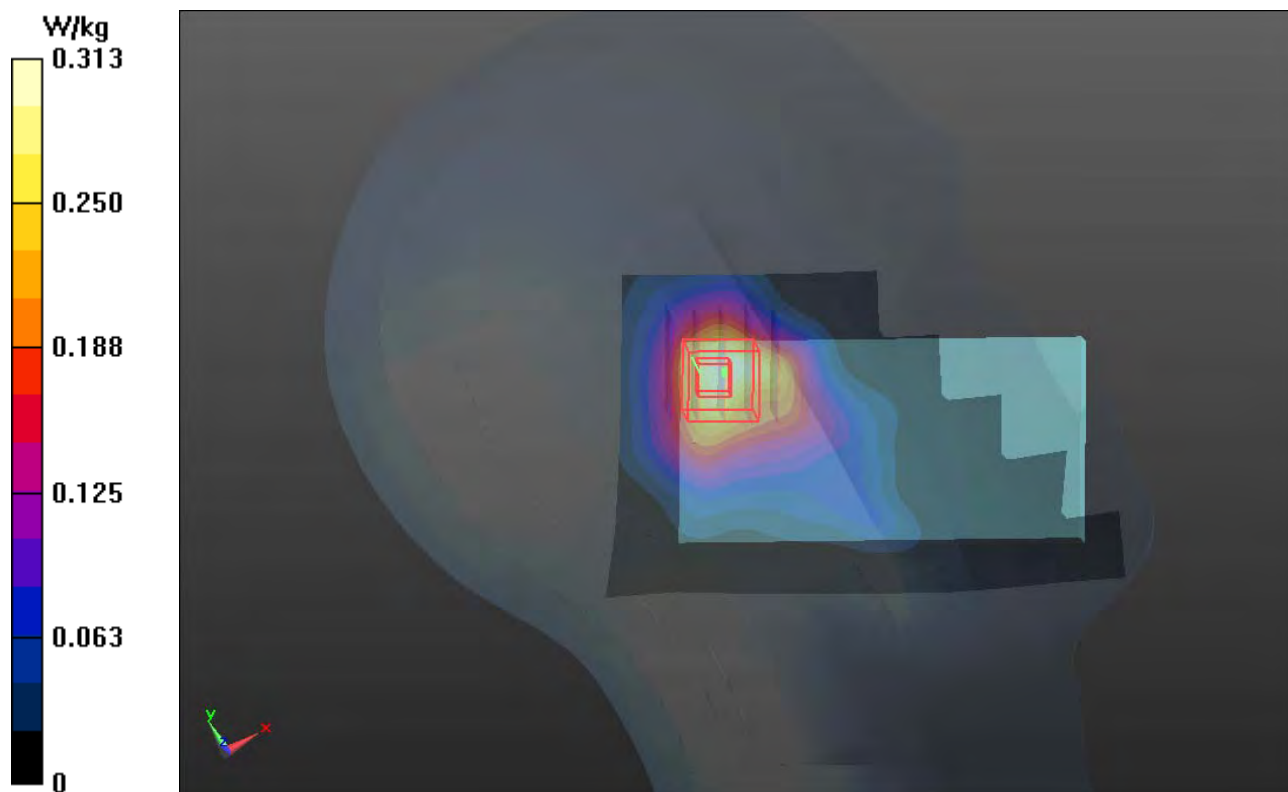
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.484 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.368 mW/g

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.123 mW/g

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



P416 LTE2_QPSK_10M_Left Tilted_Ch19150_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1905 MHz;Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.441$ mho/m; $\epsilon_r = 39.722$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.2 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.4, 7.4, 7.4); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.295 W/kg

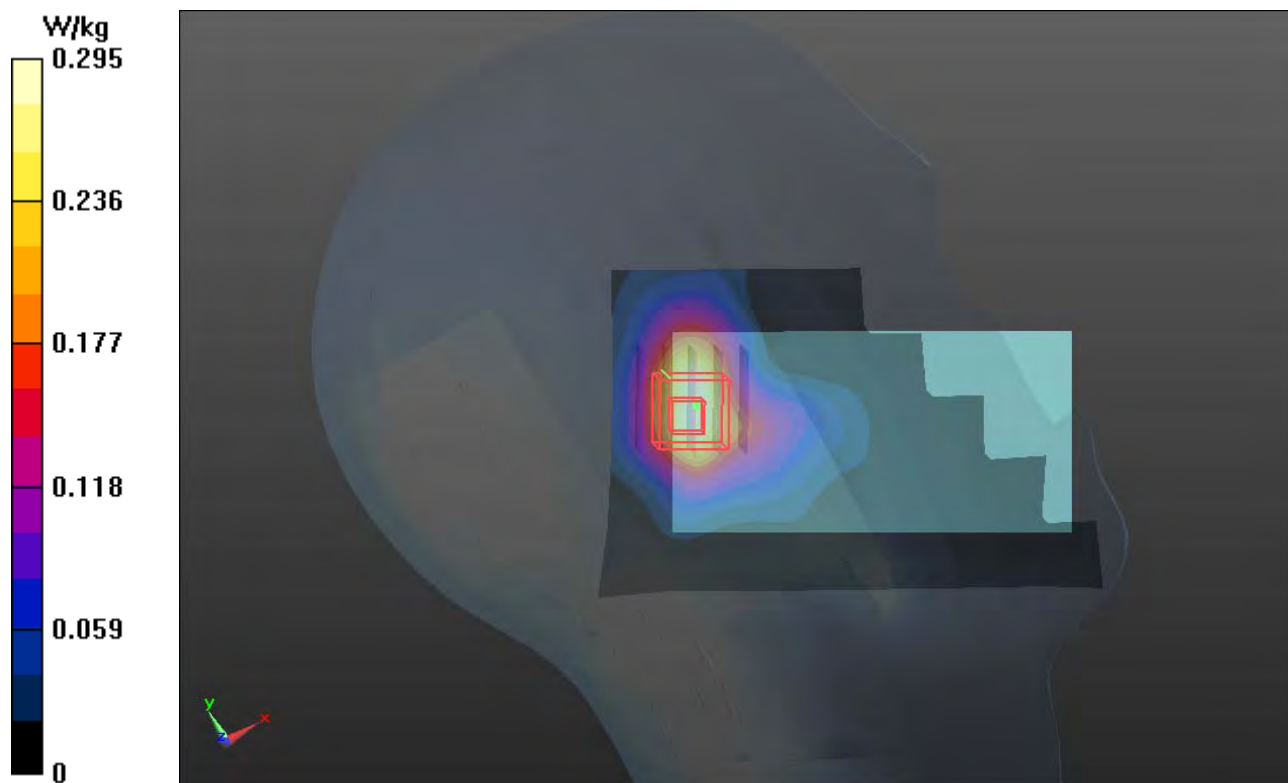
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.904 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.349 mW/g

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.263 W/kg



P1036 LTE 2_16QAM_10M_Right Cheek_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

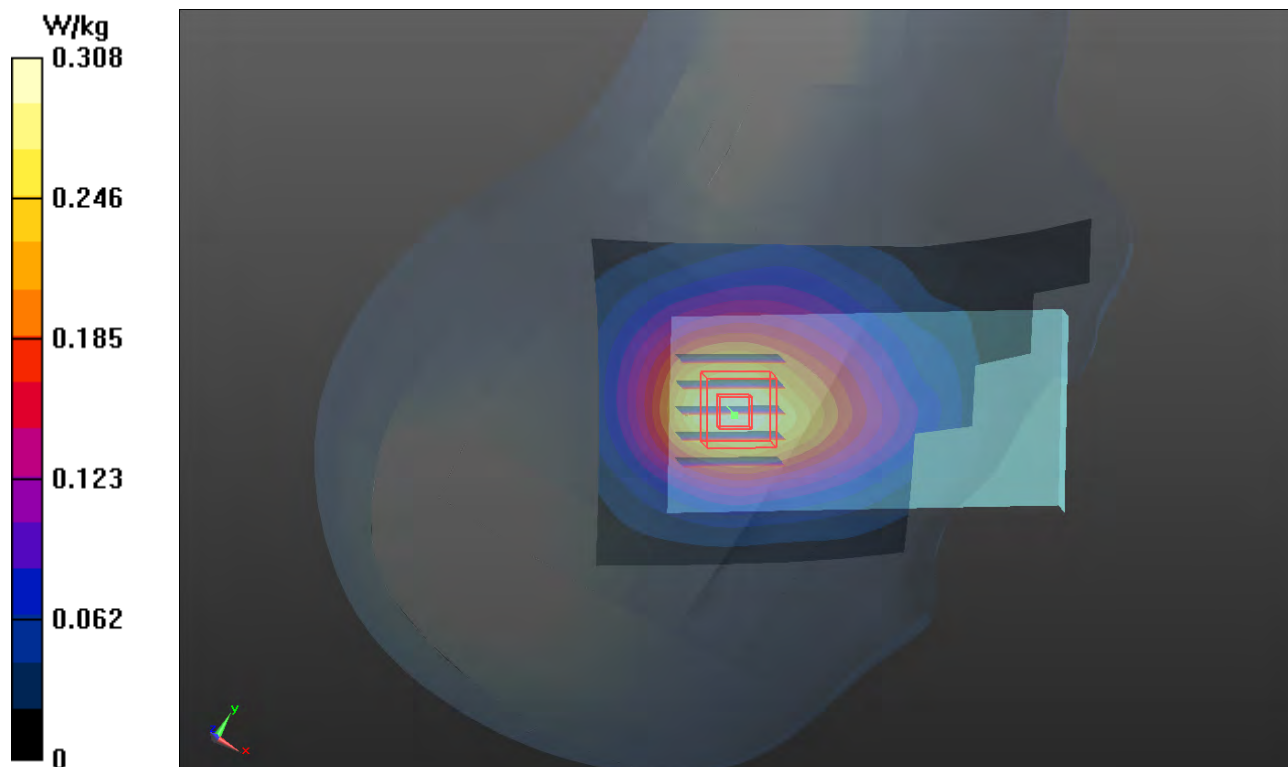
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.894 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.359 mW/g

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.298 W/kg



P1037 LTE 2_16QAM_10M_Right Tilted_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.338 W/kg

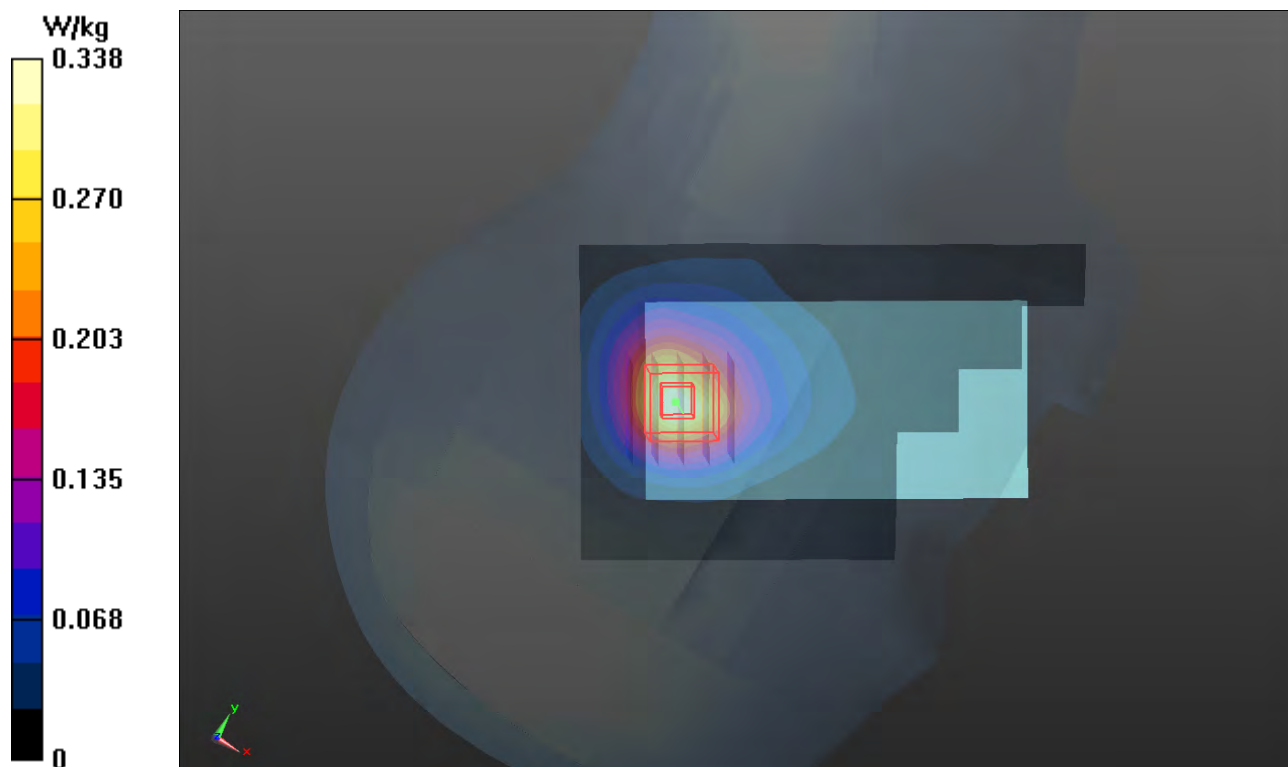
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.886 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.395 mW/g

SAR(1 g) = 0.236 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.322 W/kg



P1038 LTE 2_16QAM_10M_Left Cheek_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

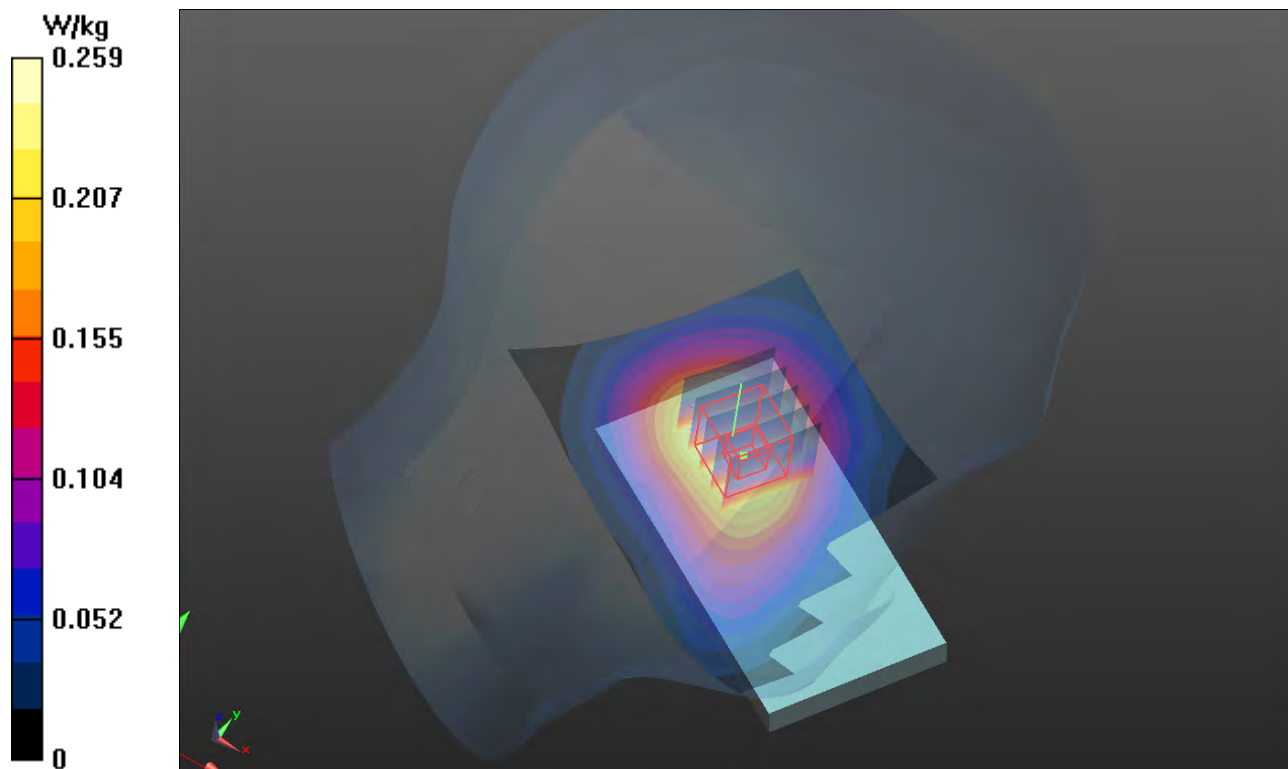
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.538 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.296 mW/g

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.124 mW/g

Maximum value of SAR (measured) = 0.246 W/kg



P1039 LTE 2_16QAM_10M_Left Tilted_Ch19150_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.190 W/kg

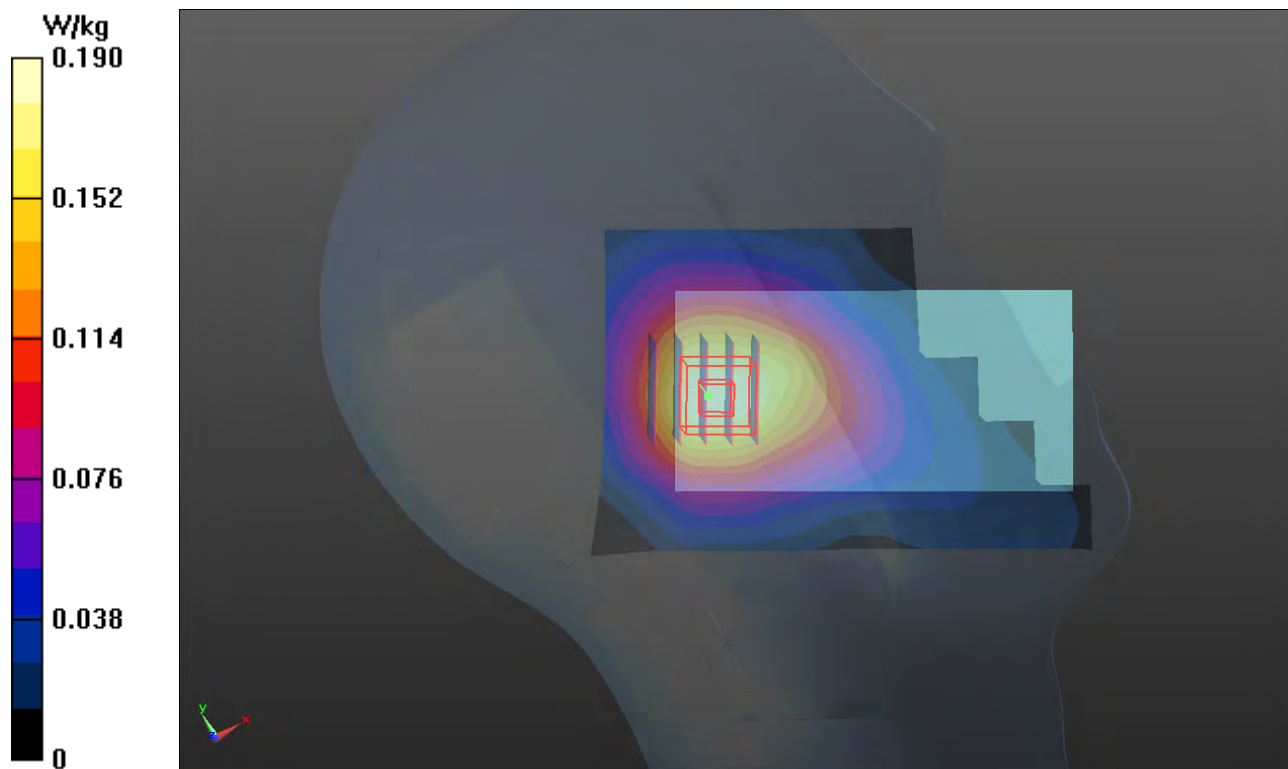
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.183 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 0.222 mW/g

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.184 W/kg



P1040 LTE 2_16QAM_10M_Right Cheek_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.290 W/kg

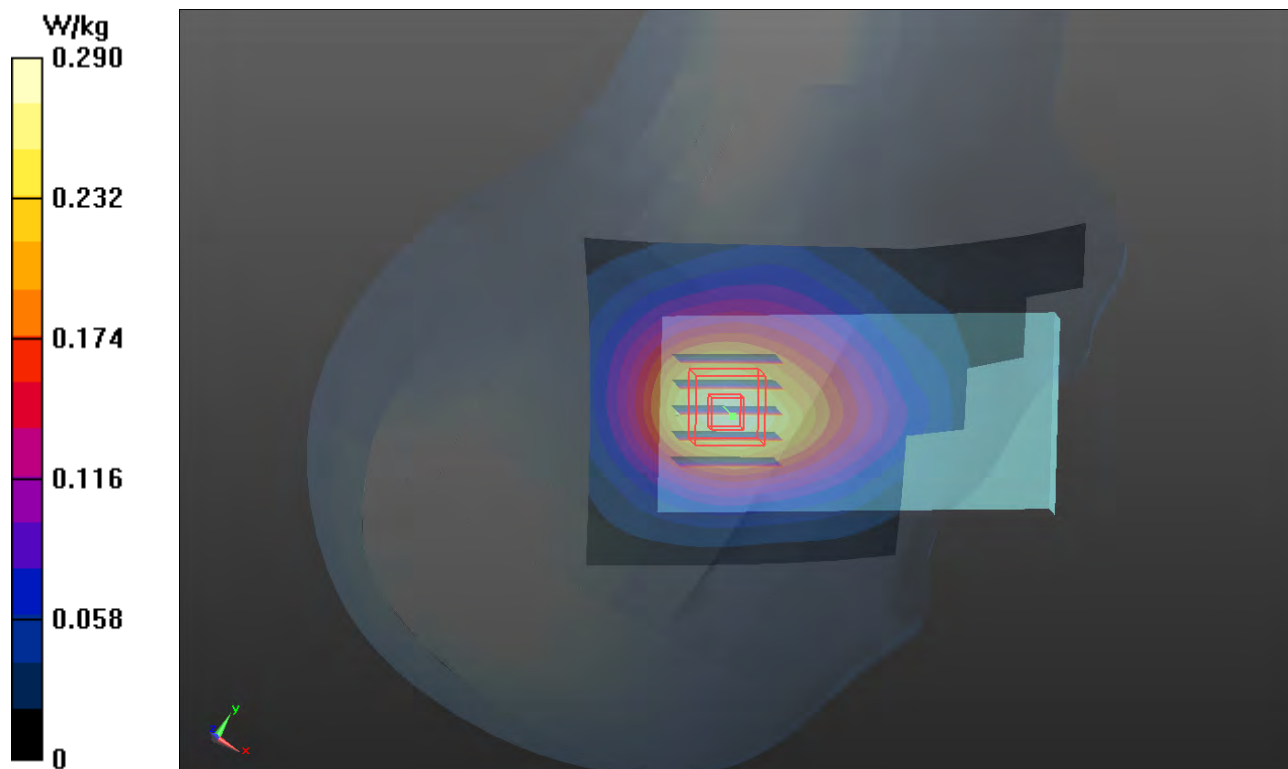
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.511 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.331 mW/g

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.131 mW/g

Maximum value of SAR (measured) = 0.273 W/kg



P1041 LTE 2_16QAM_10M_Right Tilted_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.388 W/kg

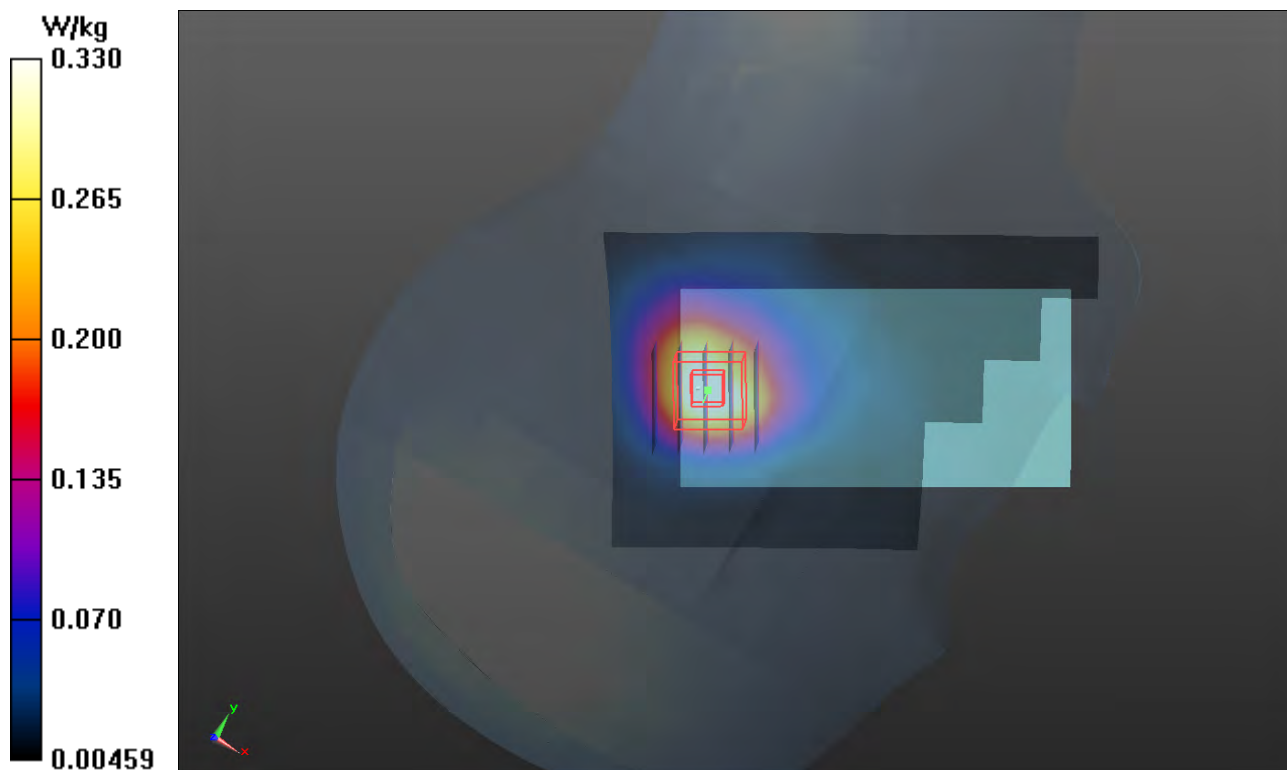
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.762 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.417 mW/g

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.330 W/kg



P1042 LTE 2_16QAM_10M_Left Cheek_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.239 W/kg

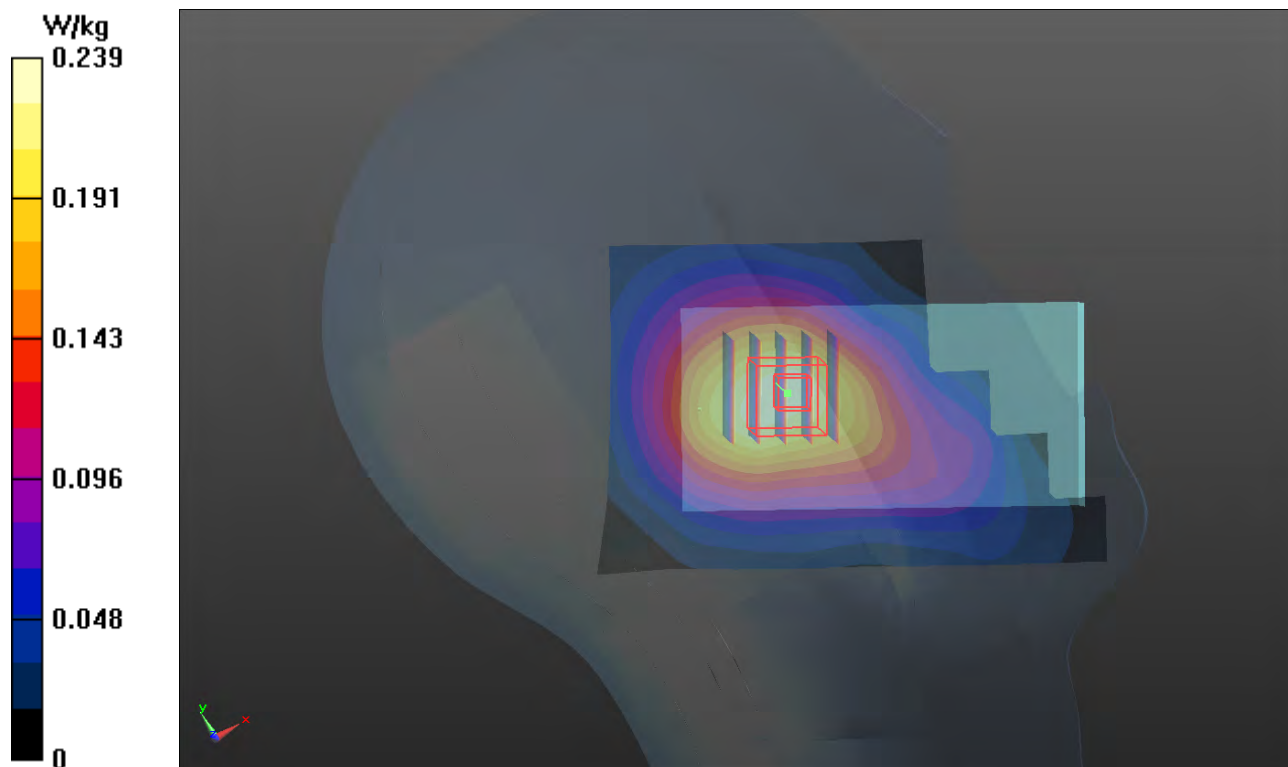
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.108 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.277 mW/g

SAR(1 g) = 0.180 mW/g; SAR(10 g) = 0.115 mW/g

Maximum value of SAR (measured) = 0.230 W/kg



P1043 LTE 2_16QAM_10M_Left Tilted_Ch19150_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.190 W/kg

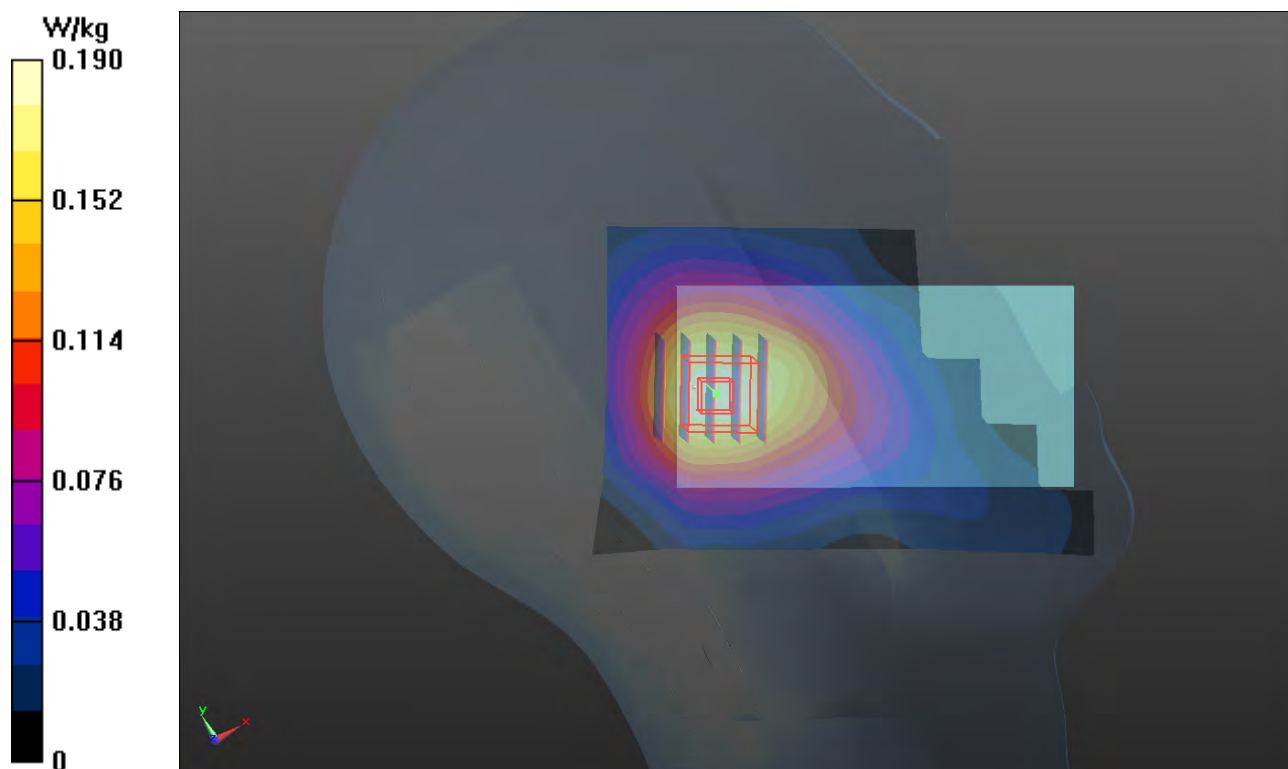
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.202 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.228 mW/g

SAR(1 g) = 0.144 mW/g; SAR(10 g) = 0.091 mW/g

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



P1044 LTE 2_16QAM_10M_Right Cheek_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

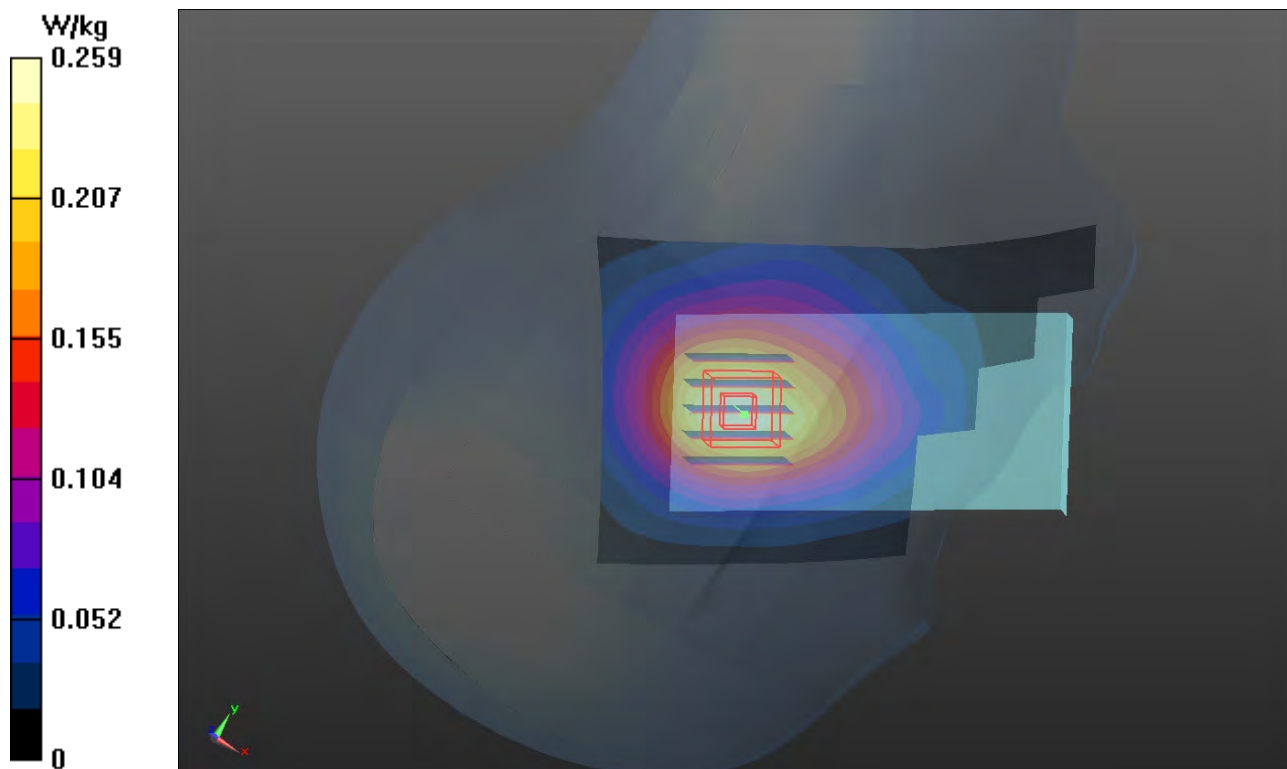
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.002 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.299 mW/g

SAR(1 g) = 0.189 mW/g; SAR(10 g) = 0.118 mW/g

Maximum value of SAR (measured) = 0.246 W/kg



P1045 LTE 2_16QAM_10M_Right Tilted_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.358 W/kg

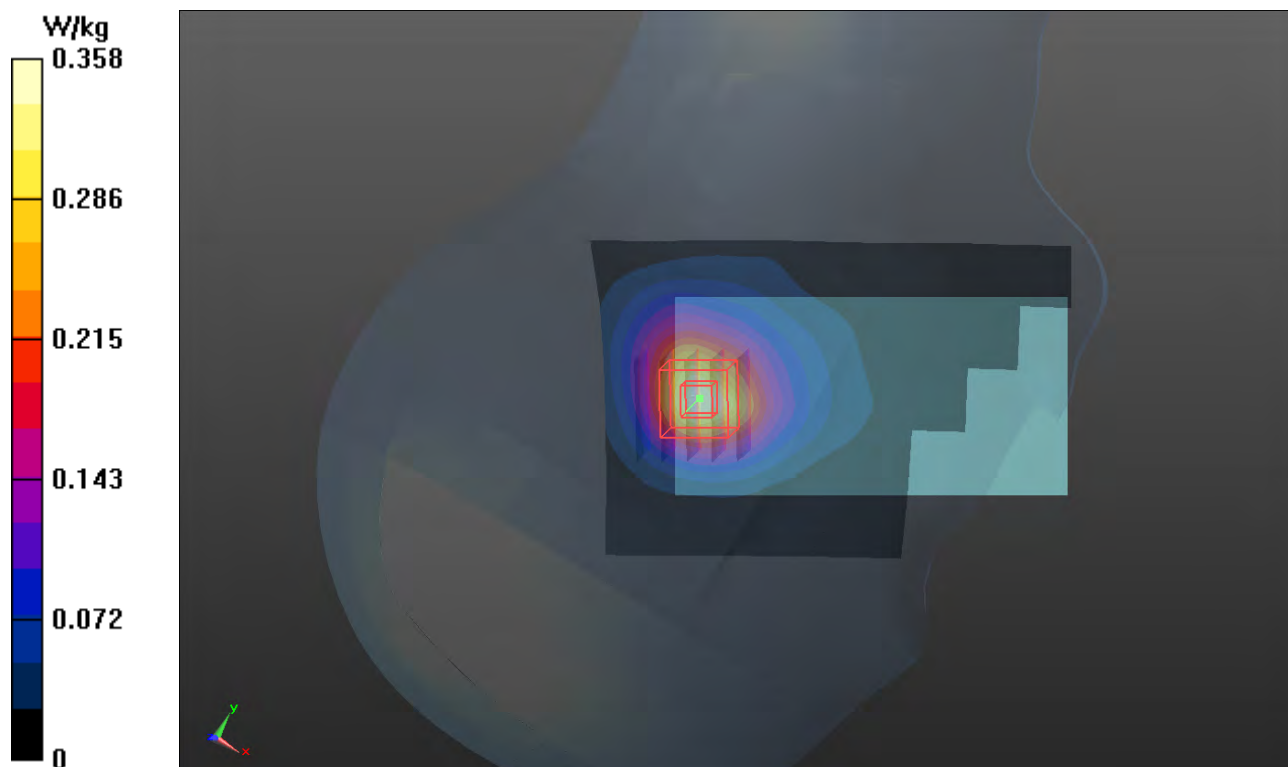
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.273 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.420 mW/g

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.143 mW/g

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



P1046 LTE 2_16QAM_10M_Left Cheek_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

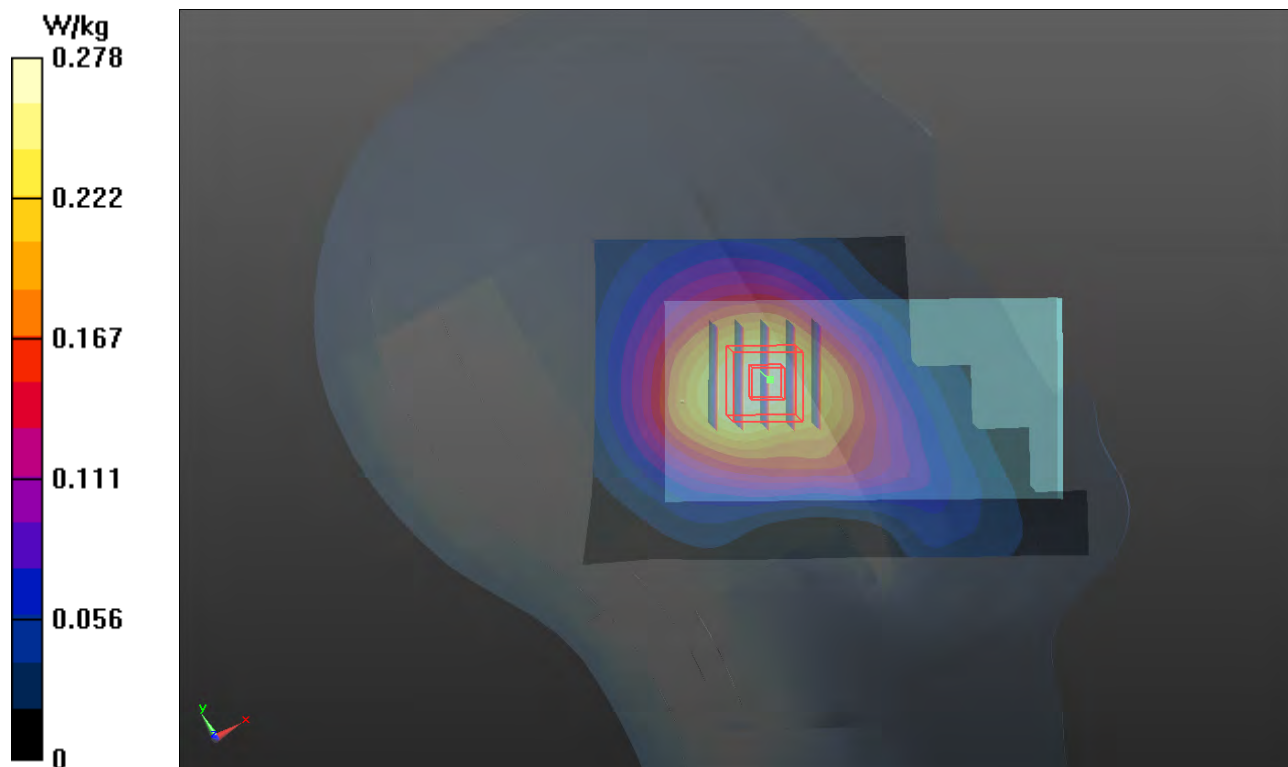
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.794 V/m; Power Drift = -0.025 dB

Peak SAR (extrapolated) = 0.312 mW/g

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.130 mW/g

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



P1047 LTE 2_16QAM_10M_Left Tilted_Ch19150_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1905 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.416$ mho/m; $\epsilon_r = 40.274$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.13, 8.13, 8.13); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

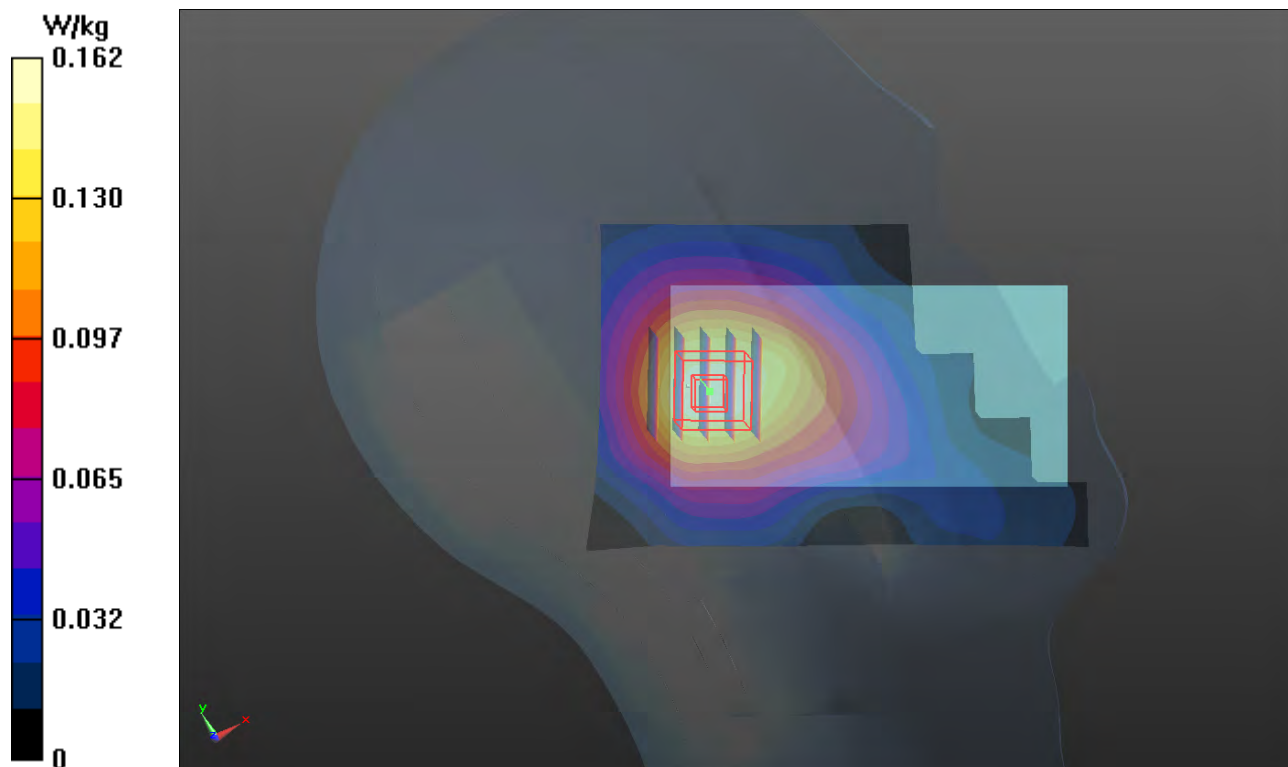
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.434 V/m; Power Drift = -0.036 dB

Peak SAR (extrapolated) = 0.190 mW/g

SAR(1 g) = 0.120 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.157 W/kg



P201 LTE4_QPSK_10M_Right Cheek_Ch20000_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

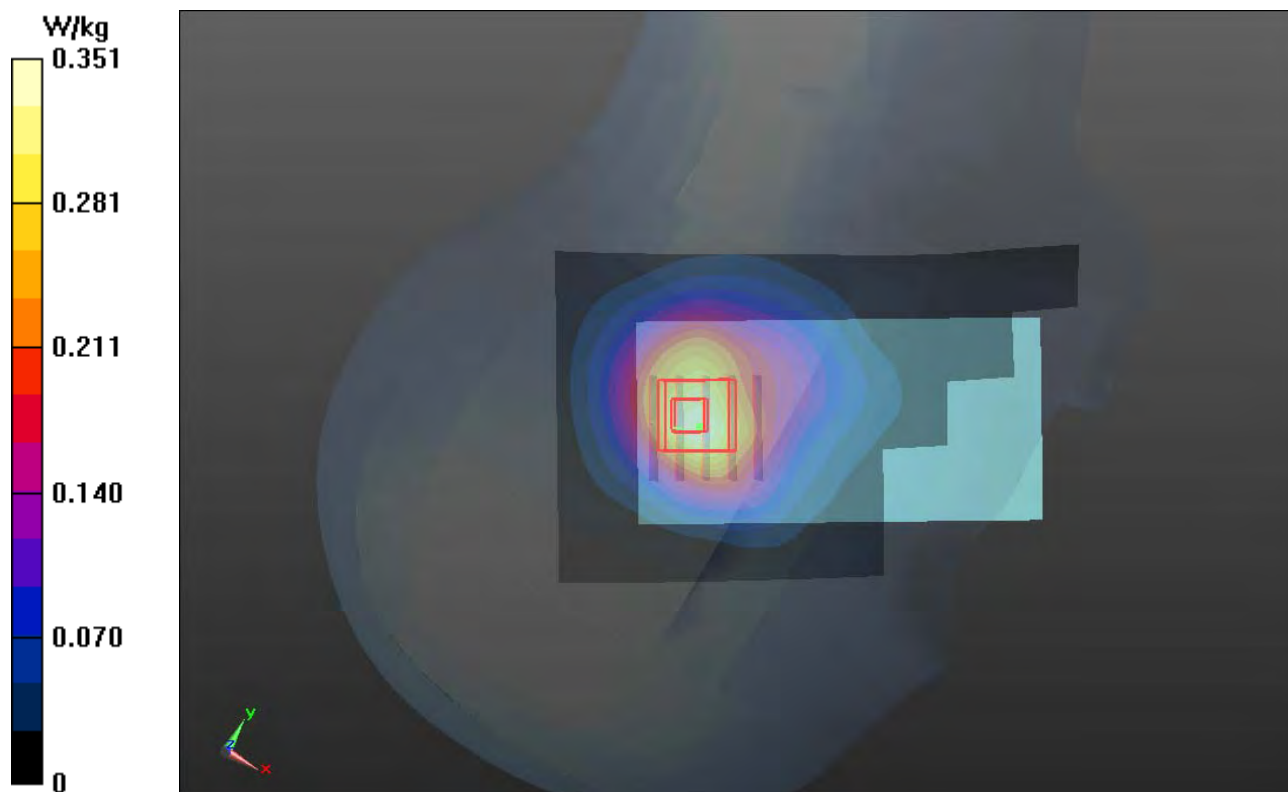
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.220 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.370 mW/g

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.165 mW/g

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



P202 LTE4_QPSK_10M_Right Tilted_Ch20000_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

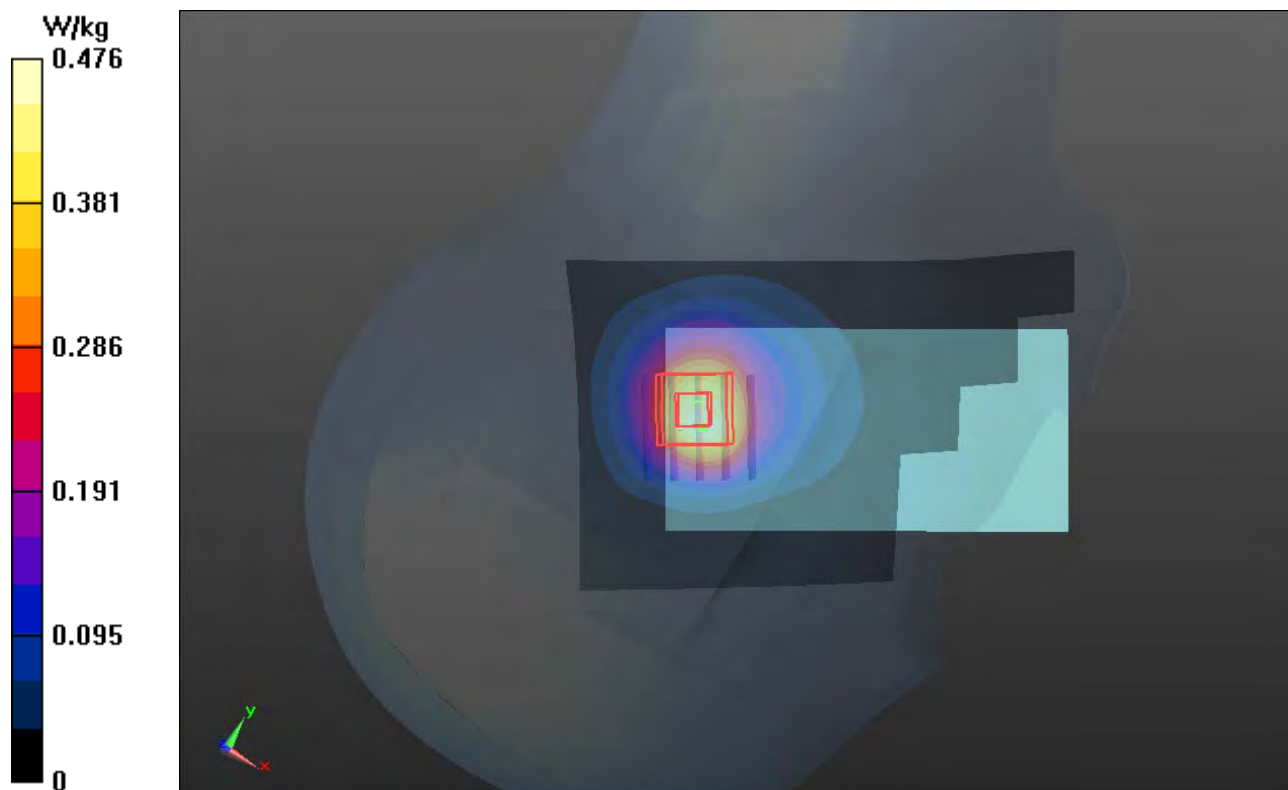
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.174 V/m; Power Drift = 0.119 dB

Peak SAR (extrapolated) = 0.548 mW/g

SAR(1 g) = 0.356 mW/g; SAR(10 g) = 0.219 mW/g

Maximum value of SAR (measured) = 0.440 W/kg



P203 LTE4_QPSK_10M_Left Cheek_Ch20000_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

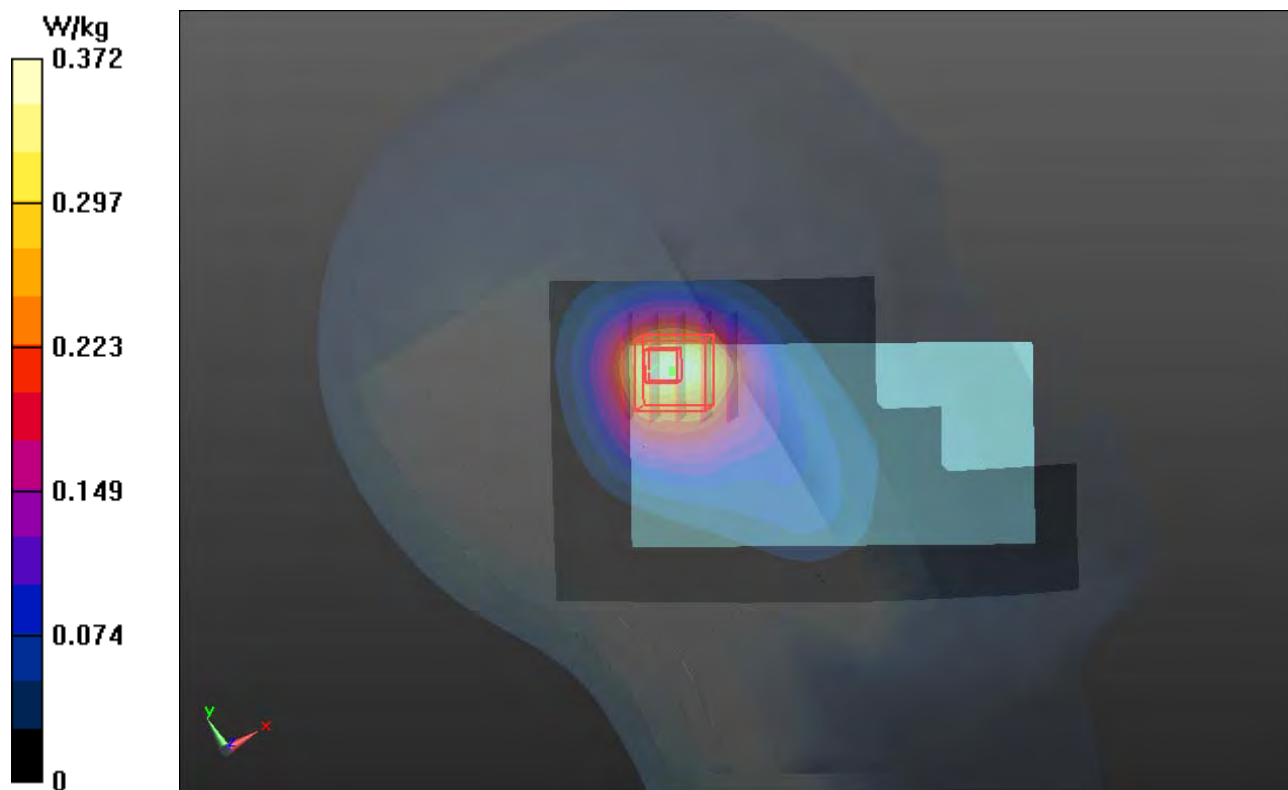
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.281 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.434 mW/g

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.161 mW/g

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



P204 LTE4_QPSK_10M_Left Tilted_Ch20000_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.421 W/kg

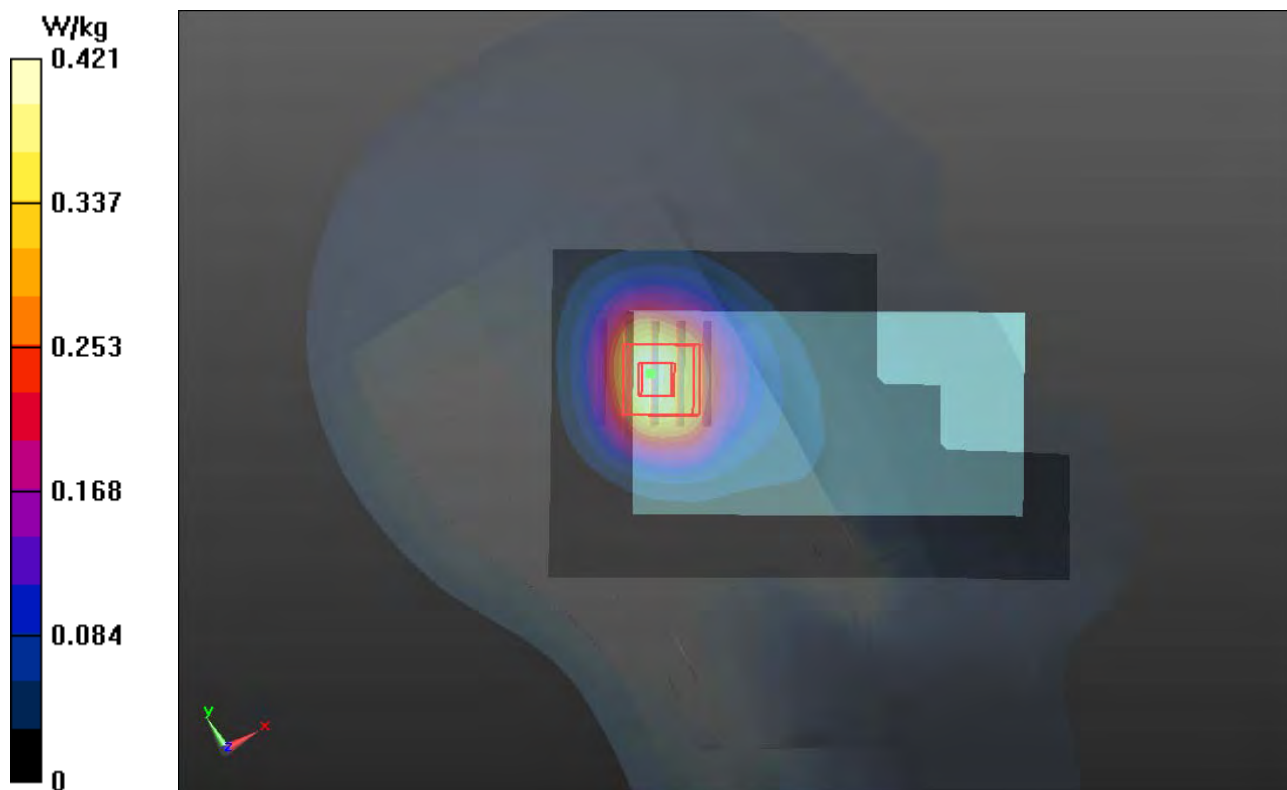
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.952 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.520 mW/g

SAR(1 g) = 0.333 mW/g; SAR(10 g) = 0.206 mW/g

Maximum value of SAR (measured) = 0.421 W/kg



P205 LTE4_QPSK_10M_Right Cheek_Ch20000_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

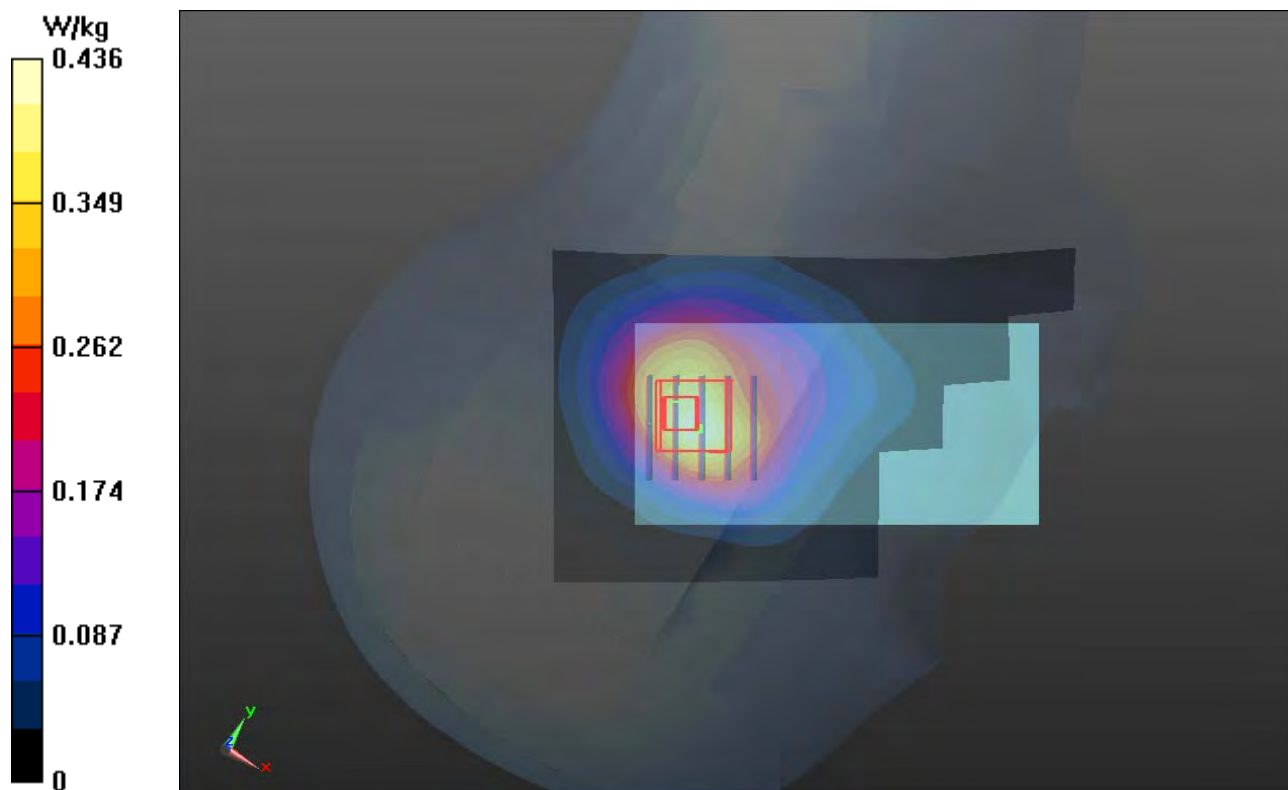
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.656 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.459 mW/g

SAR(1 g) = 0.317 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.391 W/kg



P206 LTE4_QPSK_10M_Right Tilted_Ch20000_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.660 W/kg

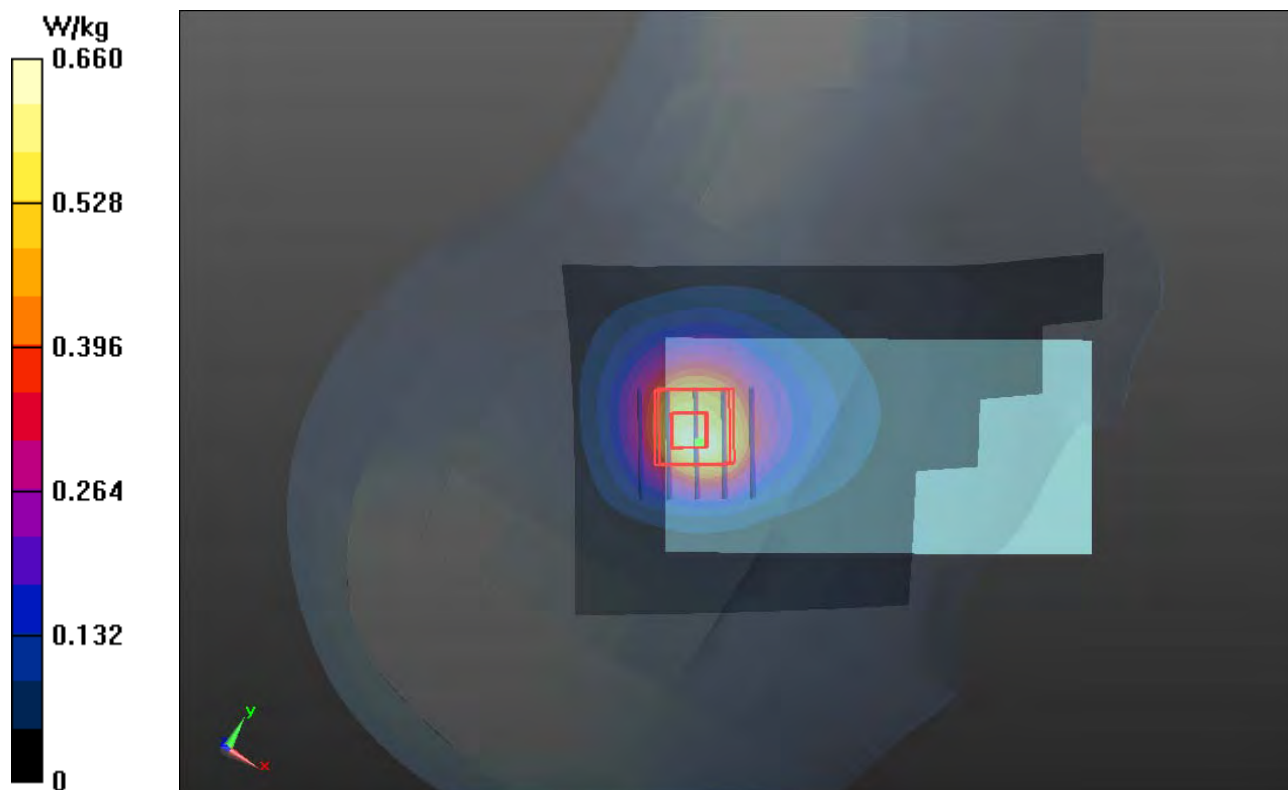
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.582 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.738 mW/g

SAR(1 g) = 0.479 mW/g; SAR(10 g) = 0.293 mW/g

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



P207 LTE4_QPSK_10M_Left Cheek_Ch20000_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.331 W/kg

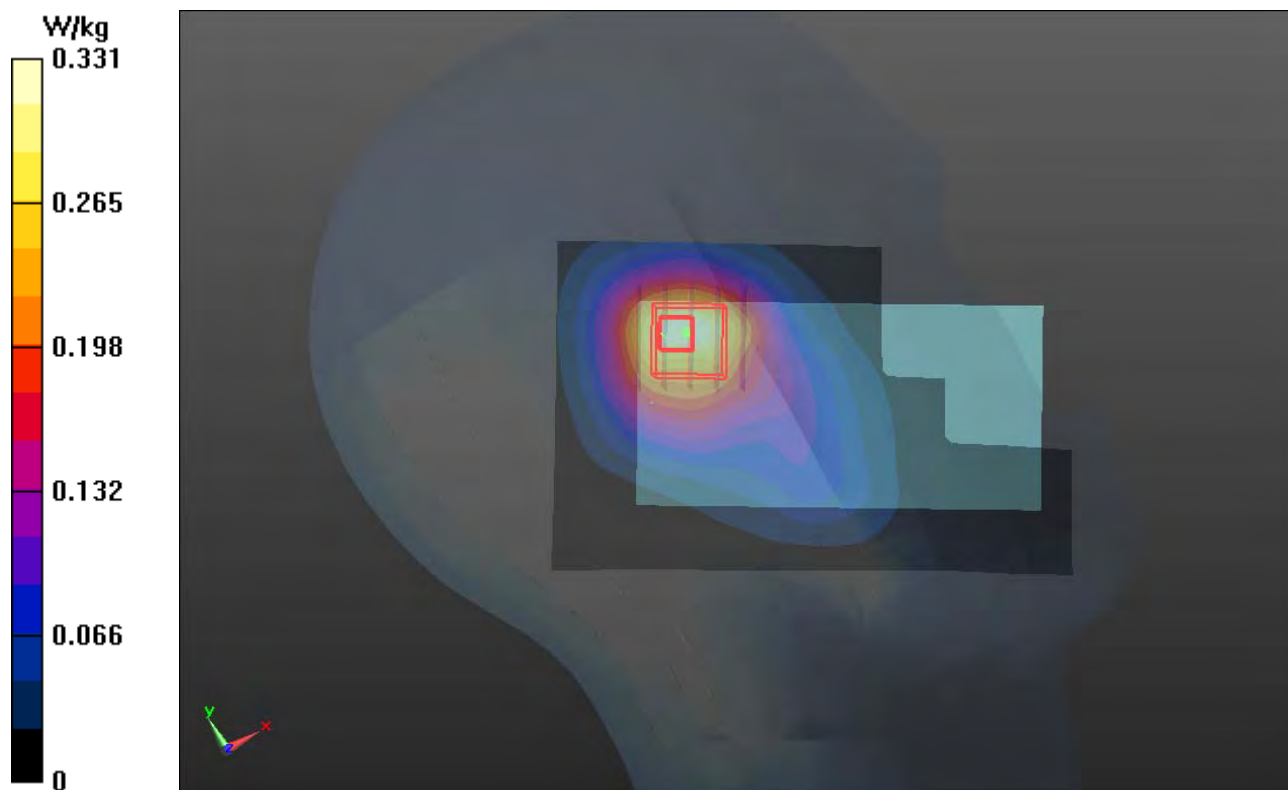
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.665 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.349 mW/g

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (measured) = 0.284 W/kg



P208 LTE4_QPSK_10M_Left Tilted_Ch20000_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.363 W/kg

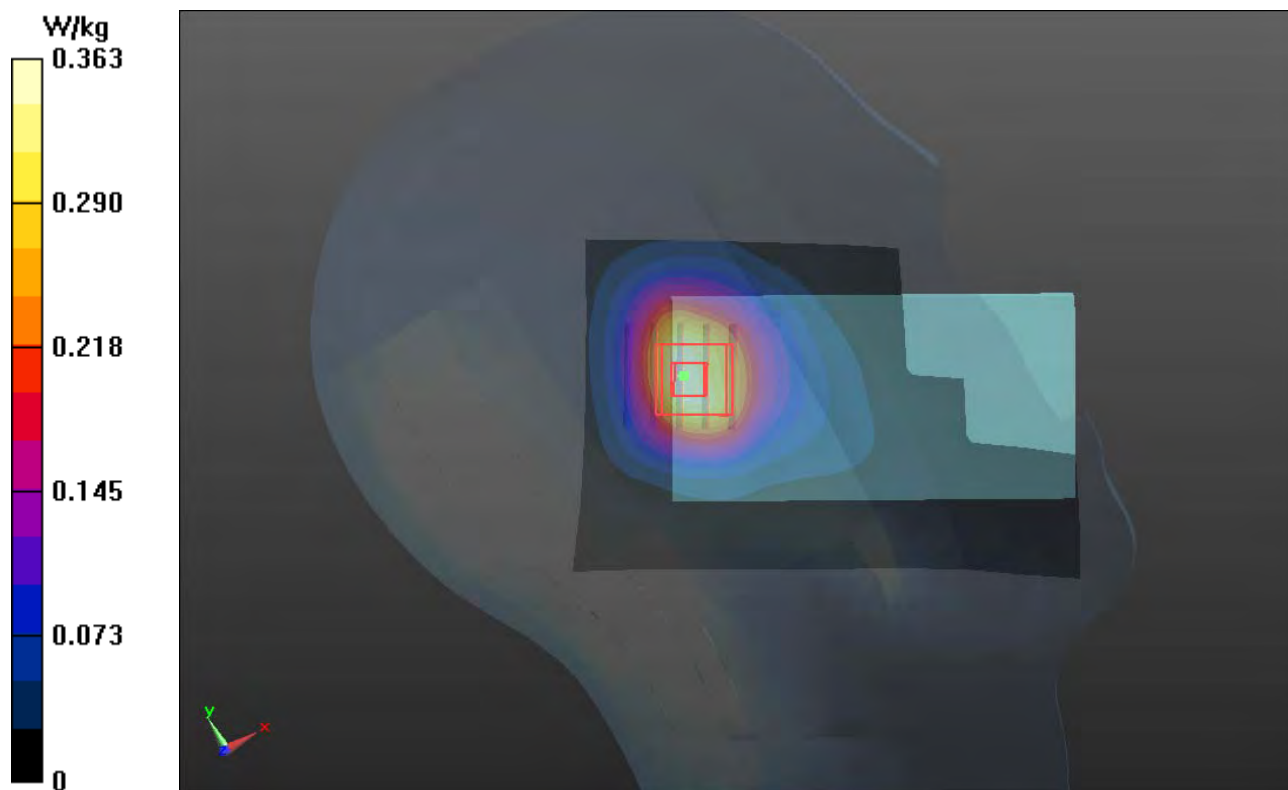
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.184 V/m; Power Drift = -0.149 dB

Peak SAR (extrapolated) = 0.417 mW/g

SAR(1 g) = 0.273 mW/g; SAR(10 g) = 0.171 mW/g

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



P209 LTE4_QPSK_10M_Right Cheek_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.450 W/kg

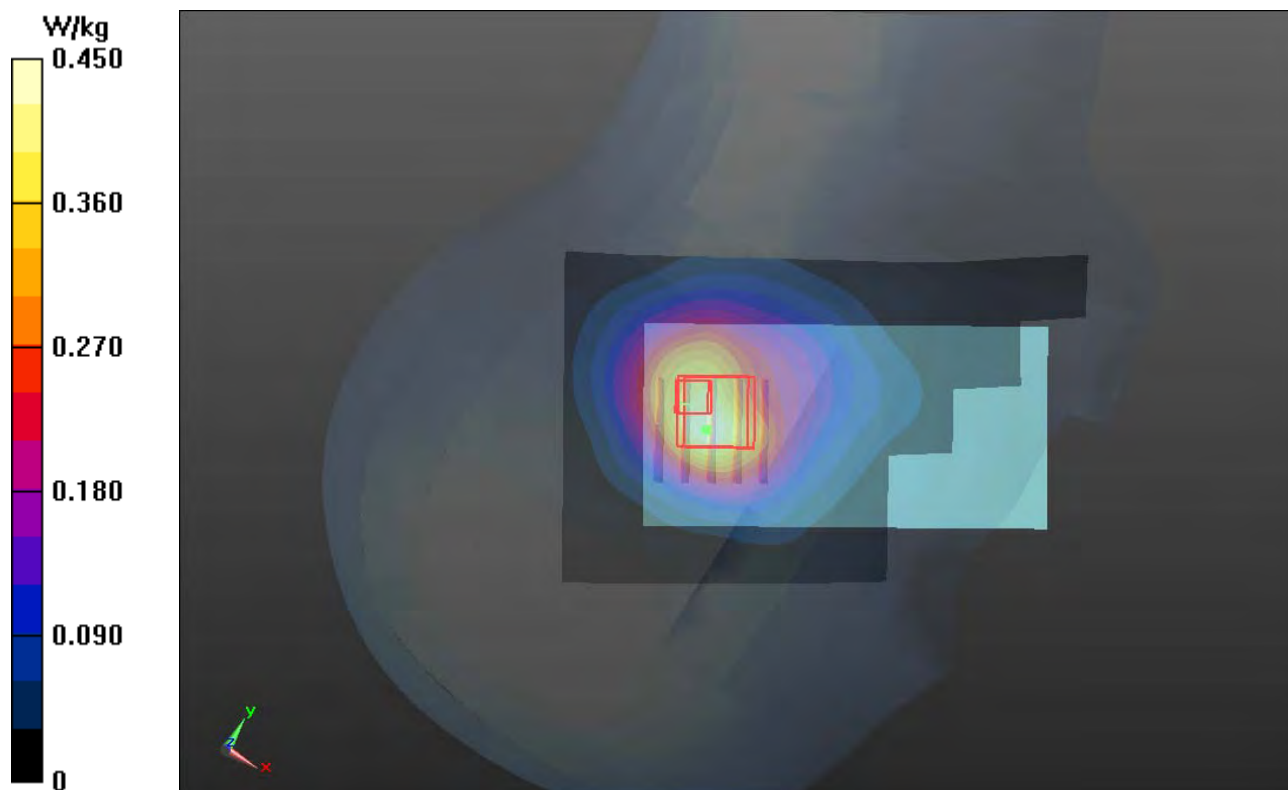
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.178 V/m; Power Drift = 0.177 dB

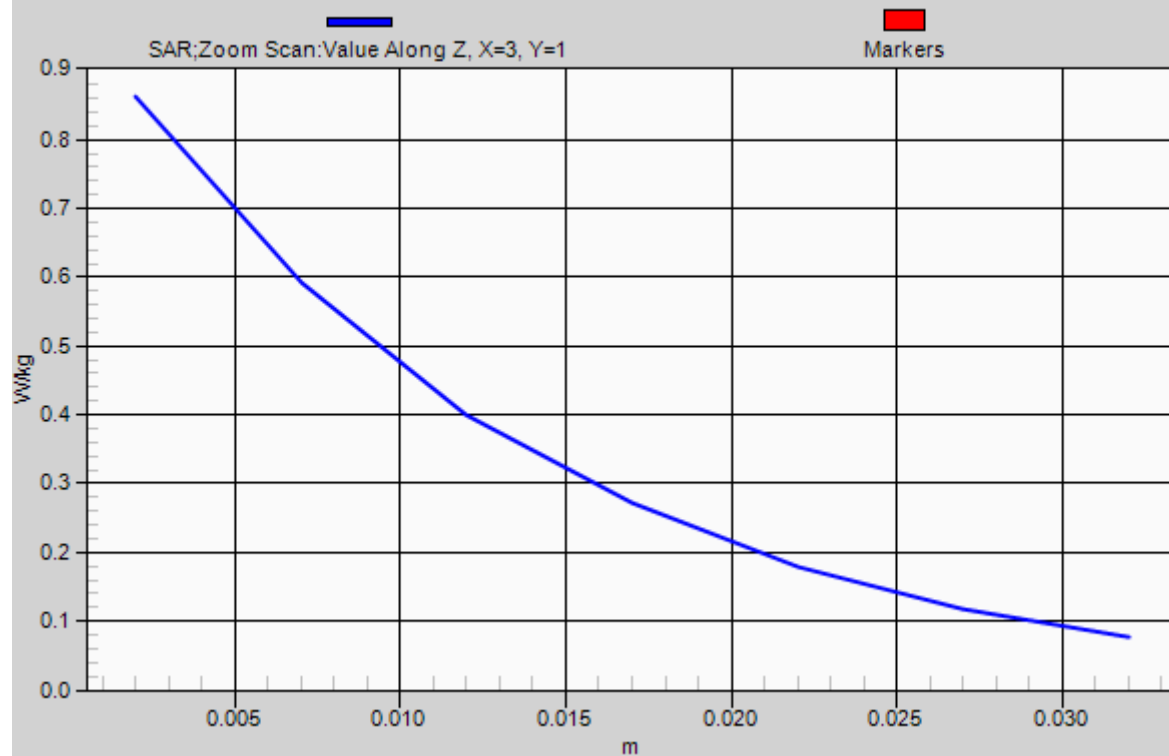
Peak SAR (extrapolated) = 1.042 mW/g

SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.418 mW/g

Maximum value of SAR (measured) = 0.862 W/kg



1g/10g Averaged SAR



P210 LTE4_QPSK_10M_Right Tilted_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

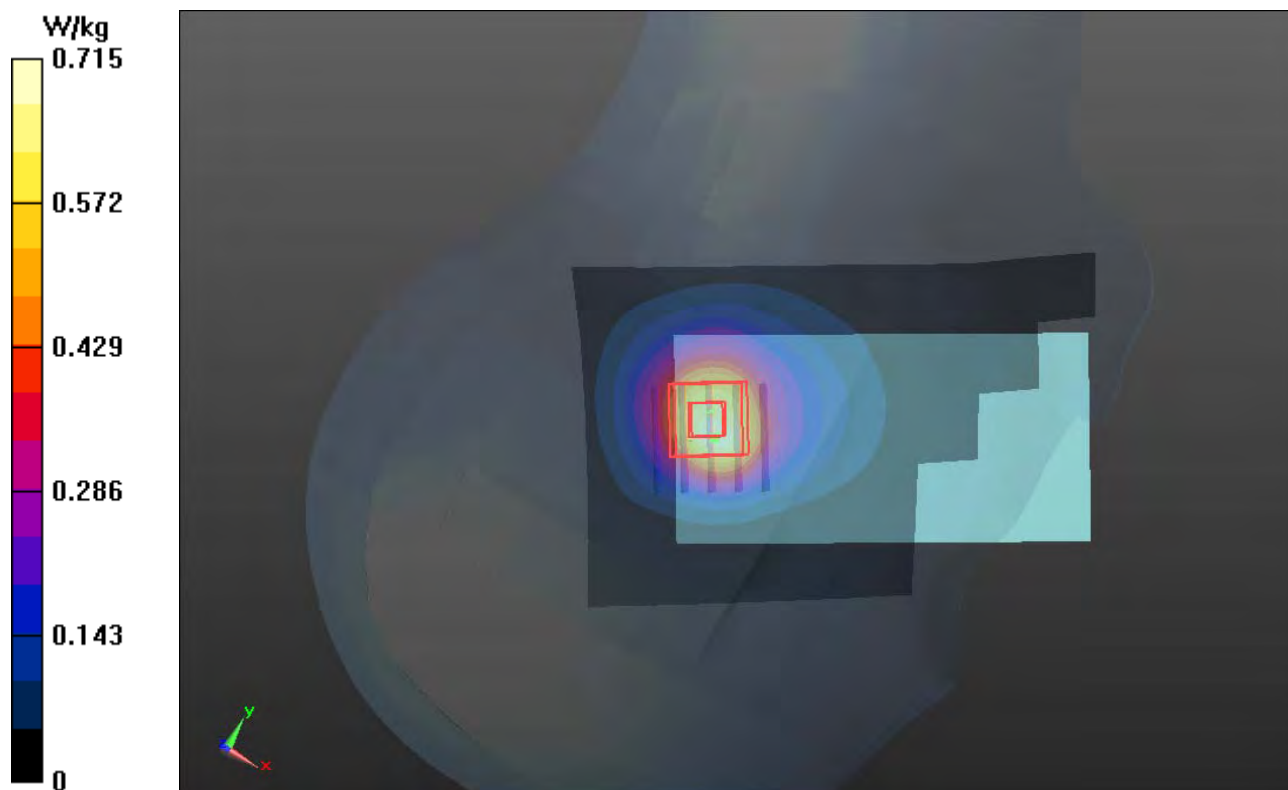
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.380 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.811 mW/g

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.326 mW/g

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



P211 LTE4_QPSK_10M_Left Cheek_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.545 W/kg

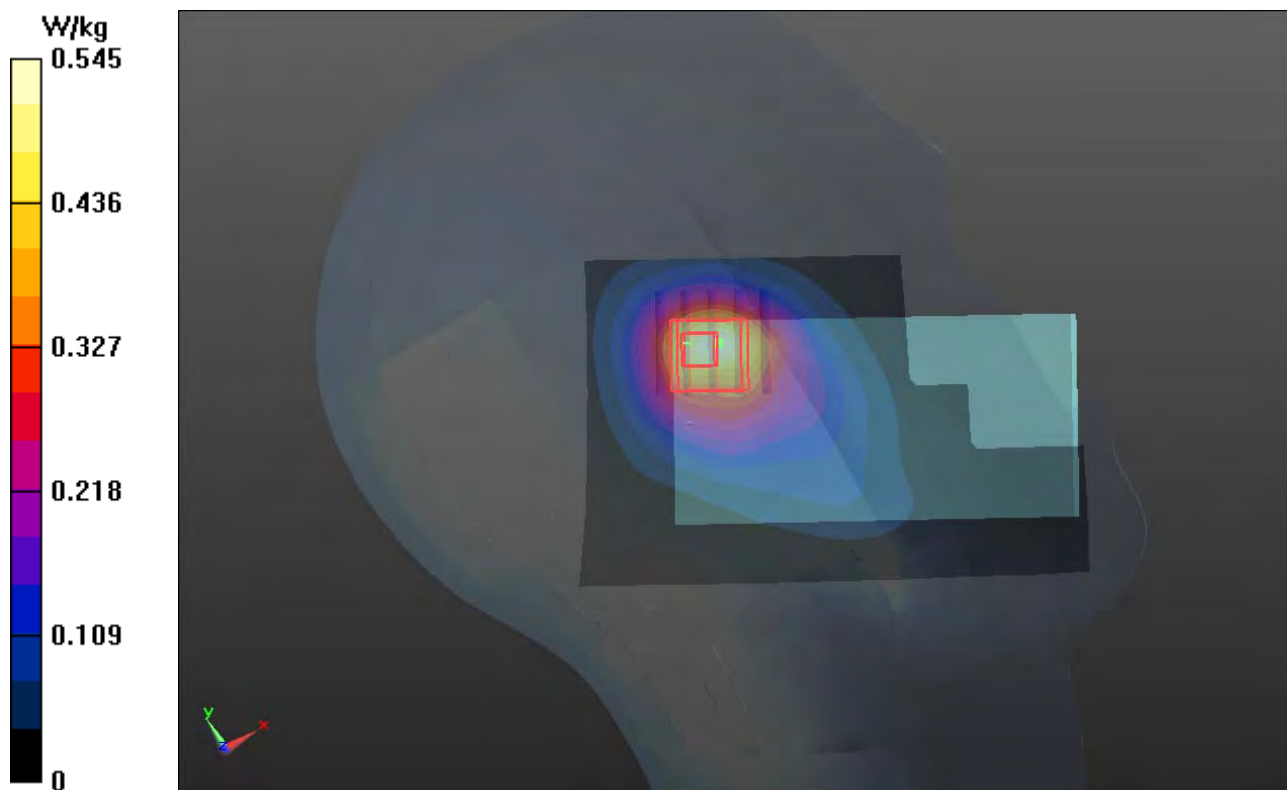
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.078 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.590 mW/g

SAR(1 g) = 0.365 mW/g; SAR(10 g) = 0.222 mW/g

Maximum value of SAR (measured) = 0.480 W/kg



P212 LTE4_QPSK_10M_Left Tilted_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.535 W/kg

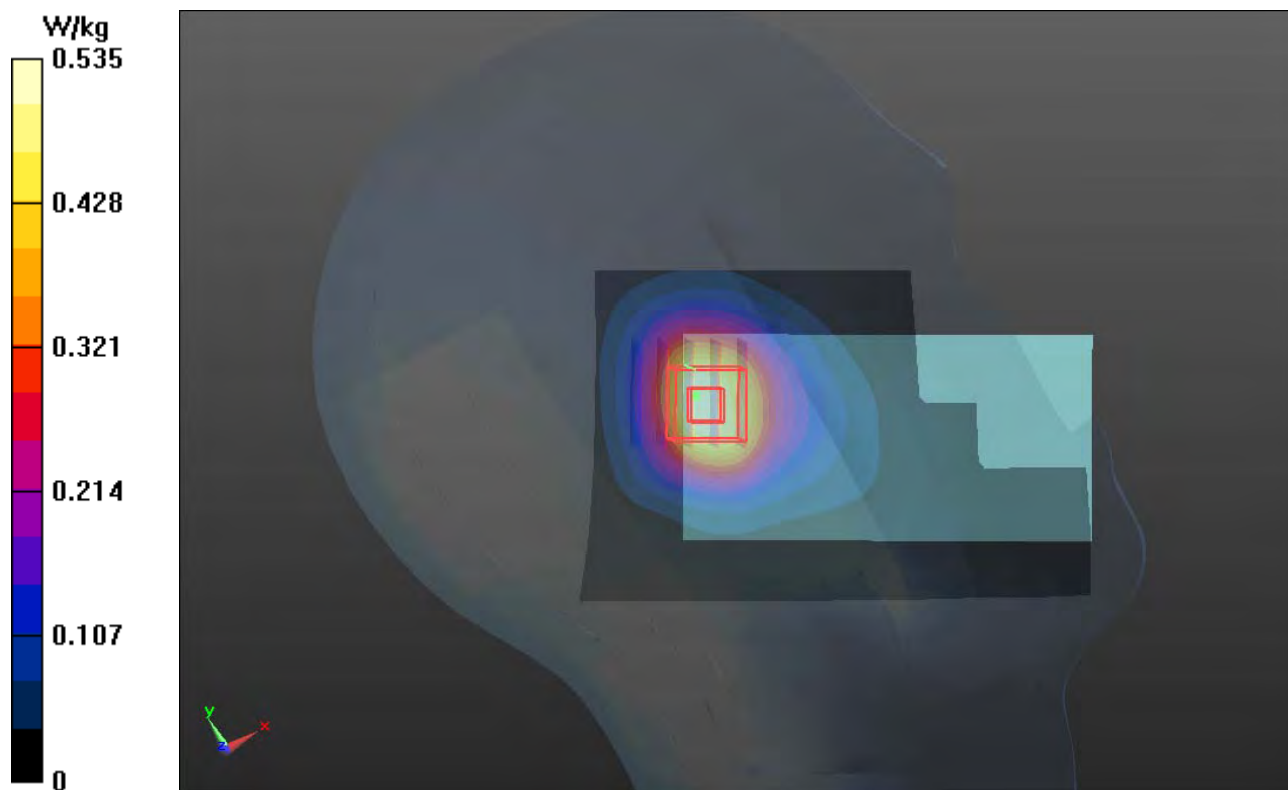
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.829 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.677 mW/g

SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.539 W/kg



P215 LTE4_16QAM_10M_Right Cheek_Ch20000_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

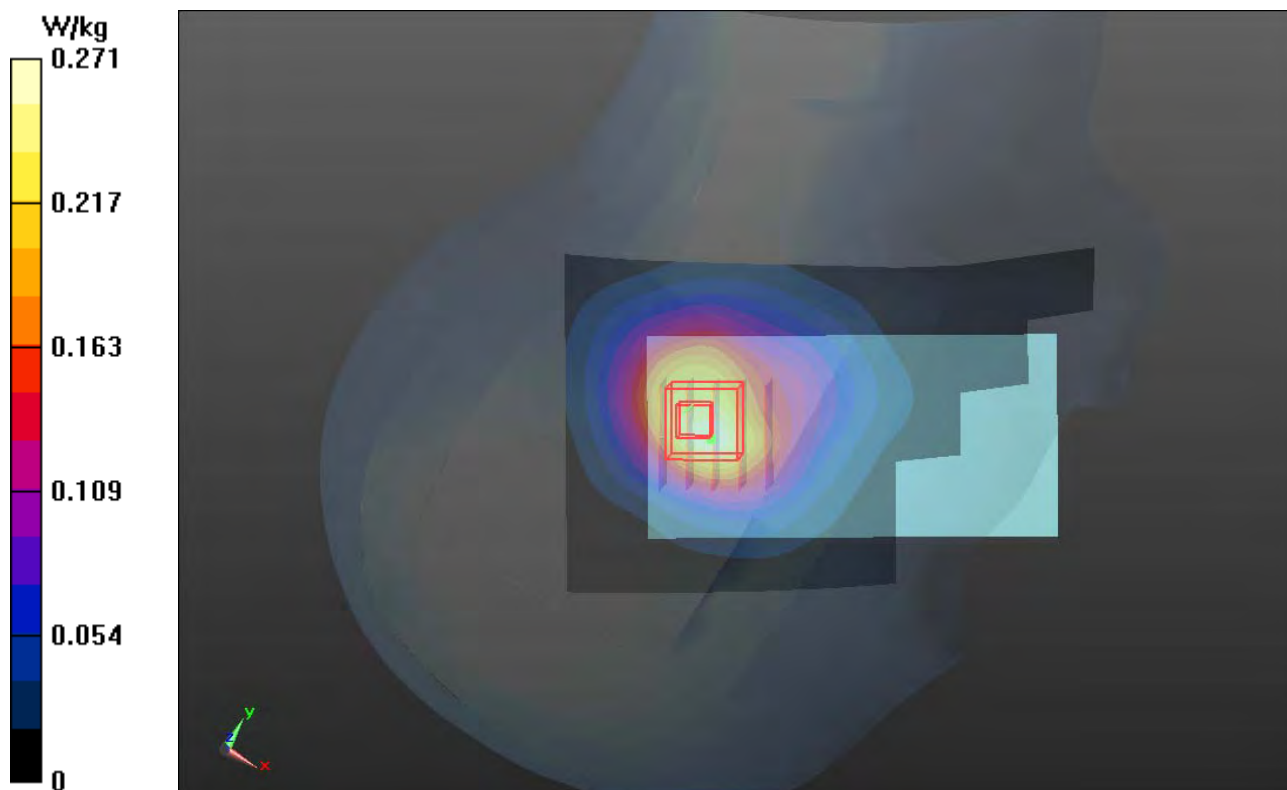
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.481 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.287 mW/g

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.246 W/kg



P1139 LTE 4_16QAM_10M_Right Tilted_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.570 W/kg

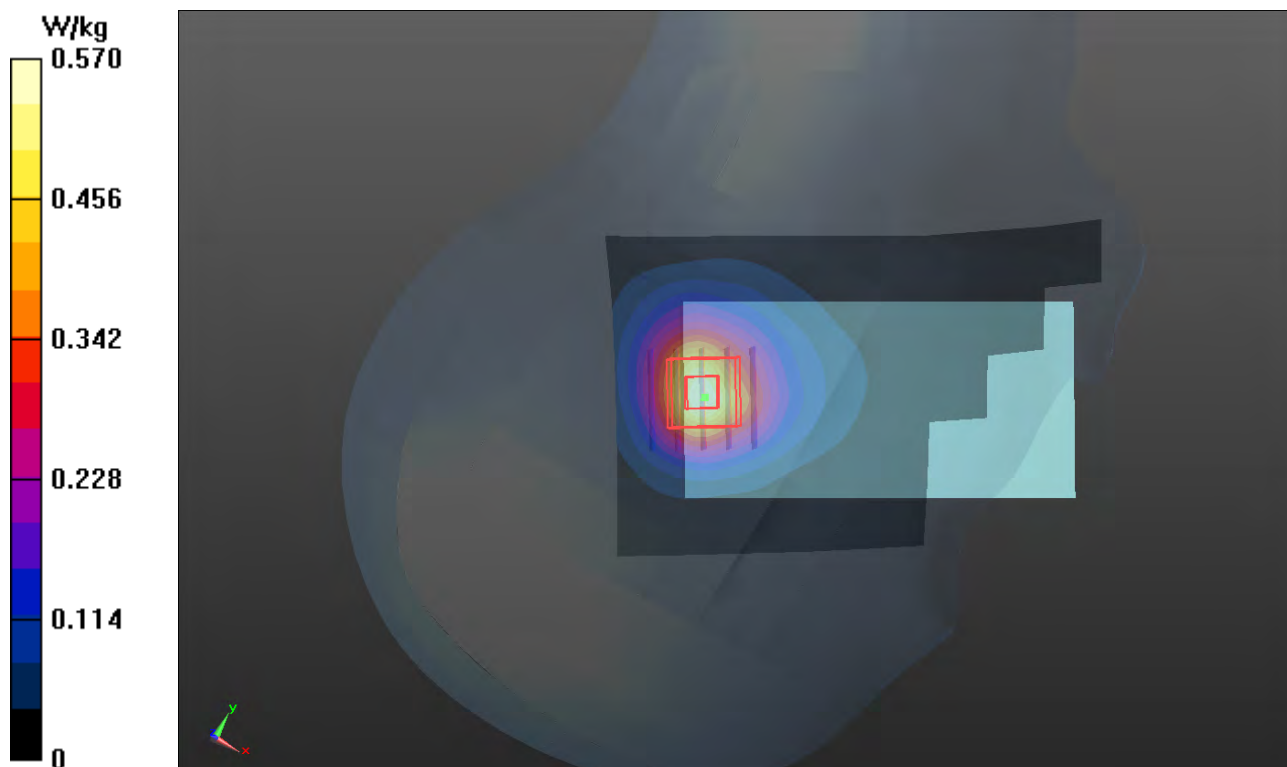
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.970 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.623 mW/g

SAR(1 g) = 0.392 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.515 W/kg



P1140 LTE 4_16QAM_10M_Left Cheek_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

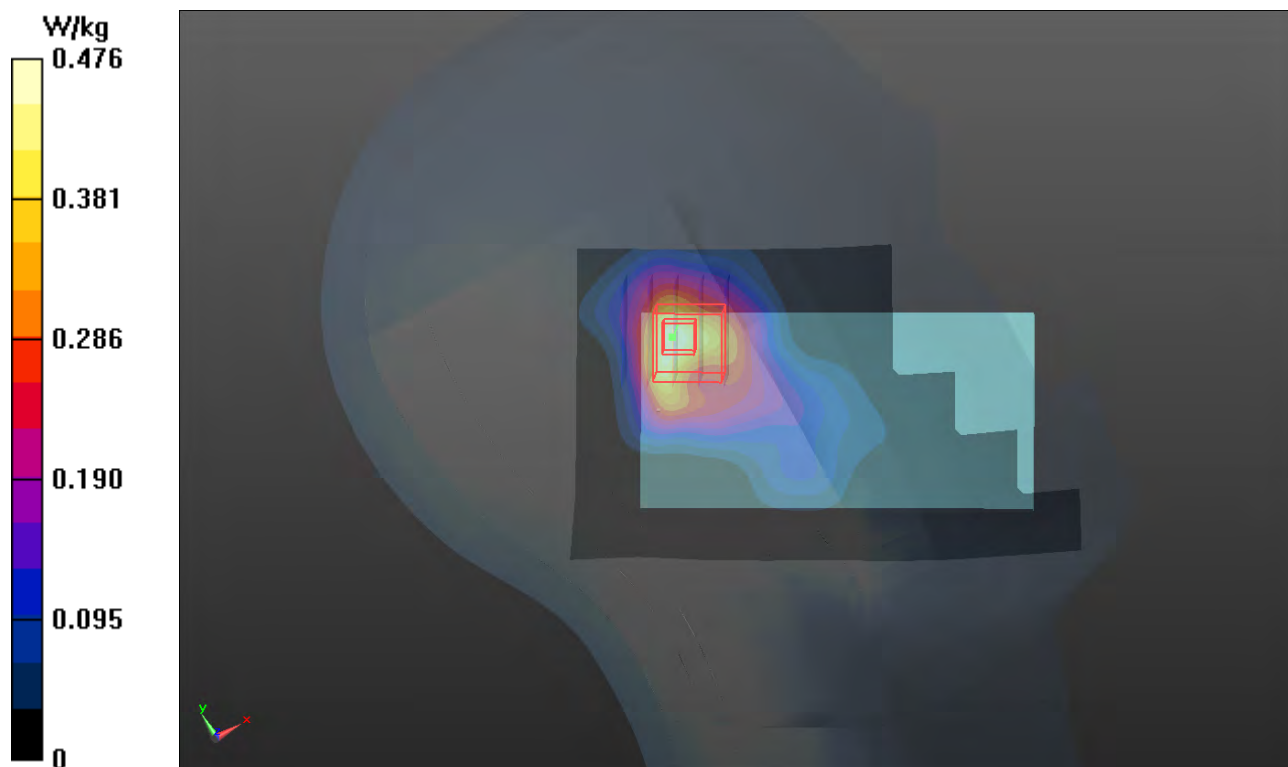
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.290 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.467 mW/g

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.367 W/kg



P1141 LTE 4_16QAM_10M_Left Tilted_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.484 W/kg

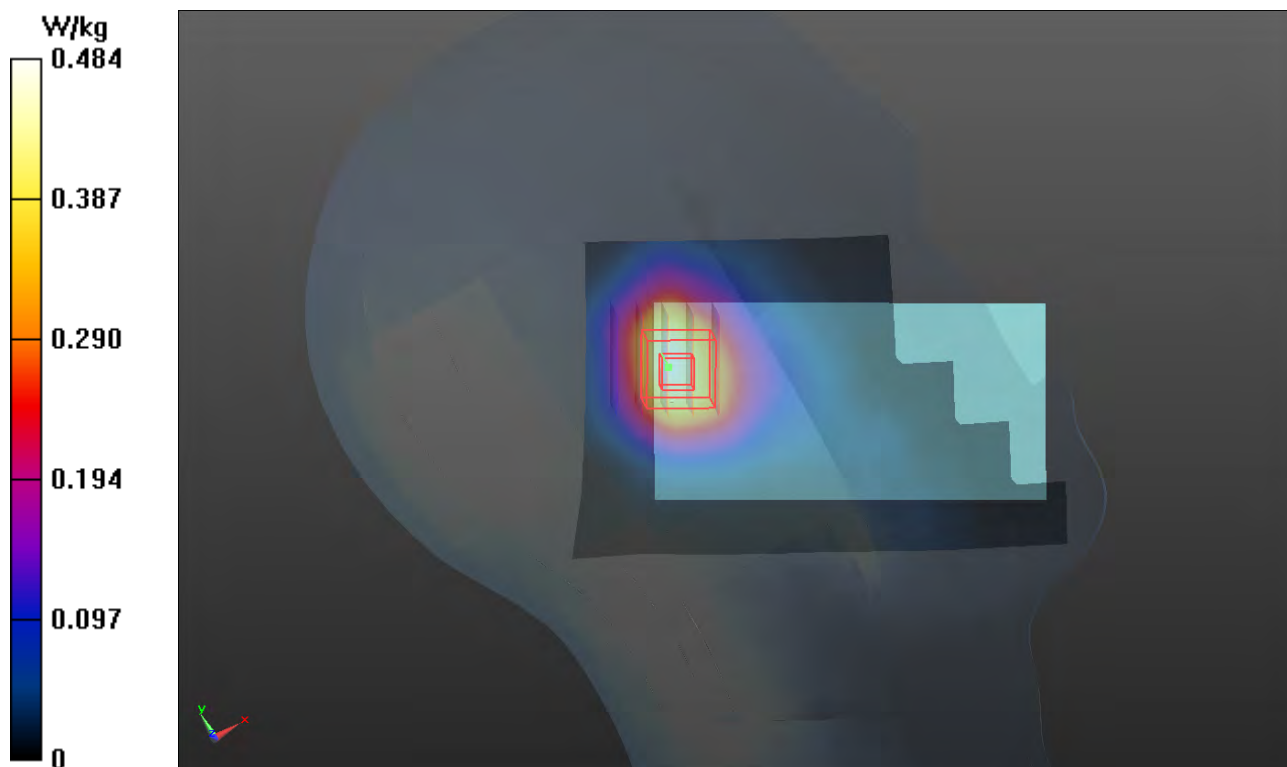
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.418 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.549 mW/g

SAR(1 g) = 0.347 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.448 W/kg



P216 LTE4_16QAM_10M_Right Cheek_Ch20000_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.364 W/kg

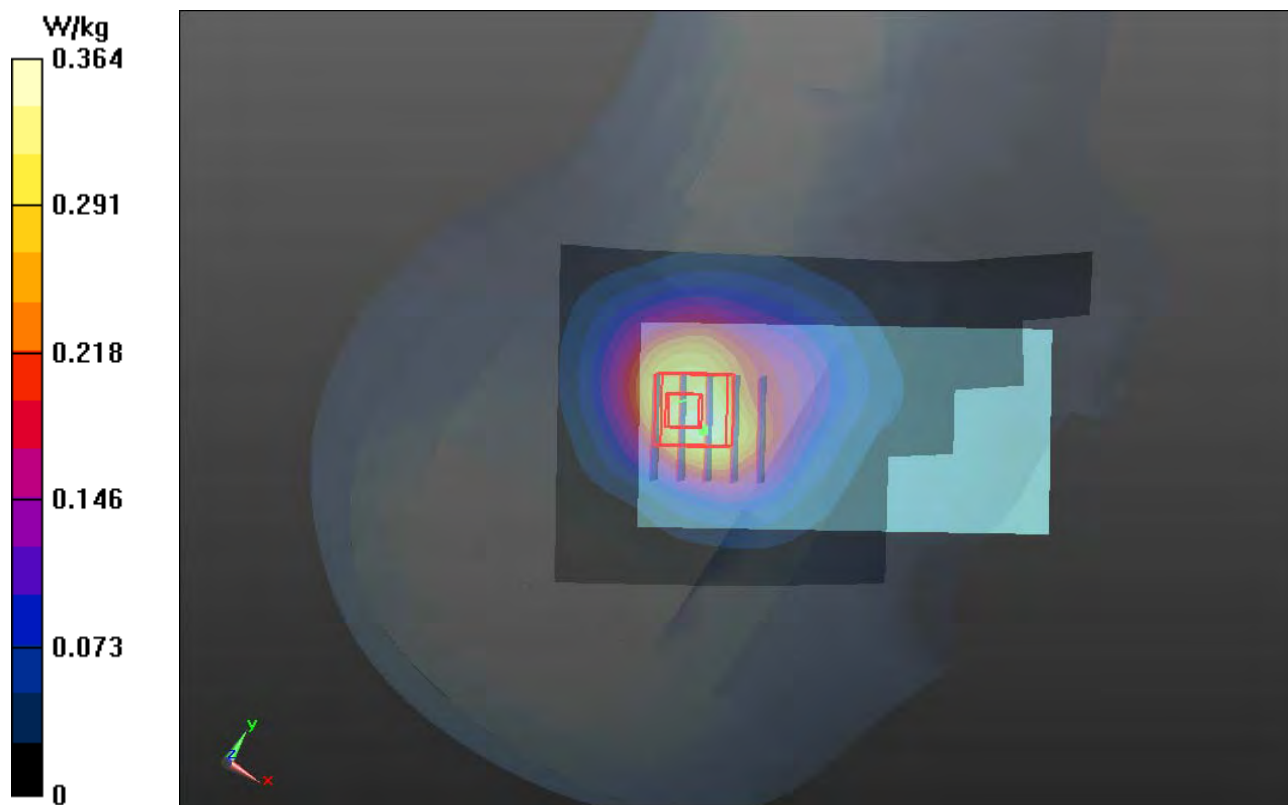
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.255 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.382 mW/g

SAR(1 g) = 0.268 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.330 W/kg



P1142 LTE 4_16QAM_10M_Right Tilted_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.583 W/kg

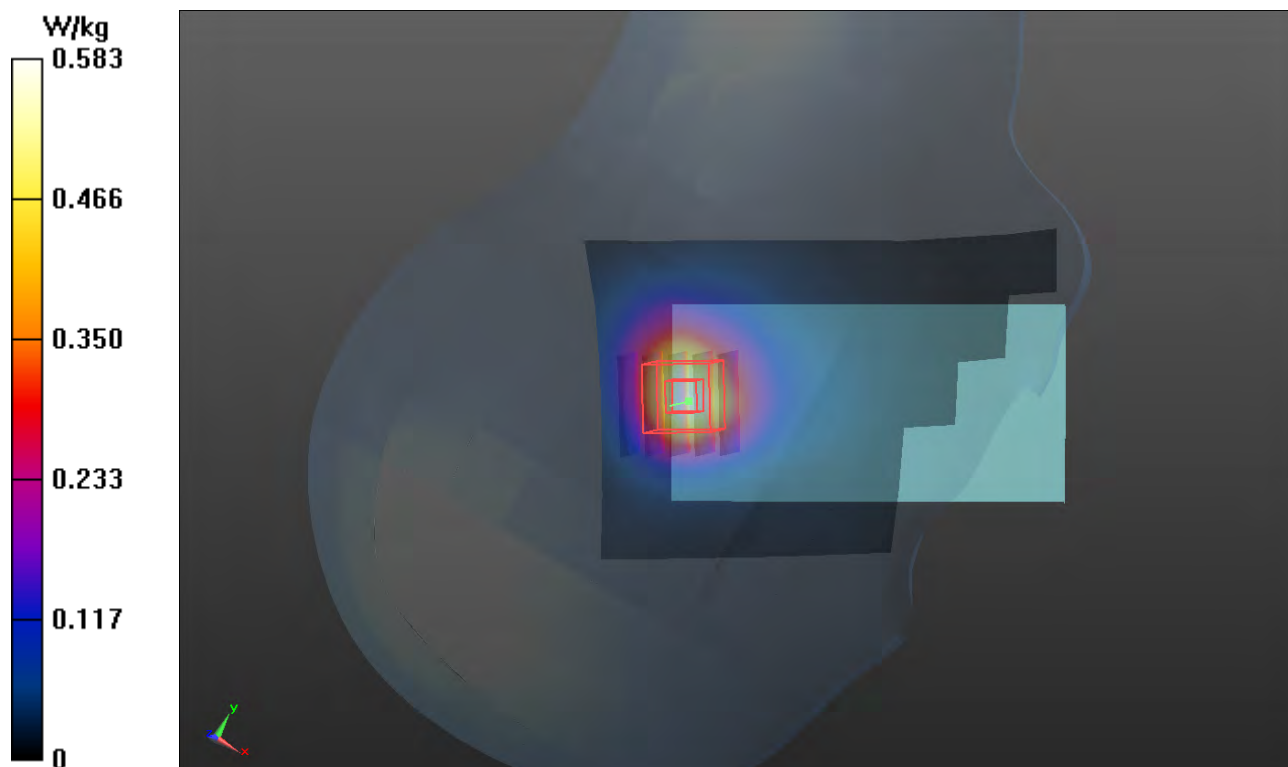
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.898 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.647 mW/g

SAR(1 g) = 0.410 mW/g; SAR(10 g) = 0.243 mW/g

Maximum value of SAR (measured) = 0.534 W/kg



P1143 LTE 4_16QAM_10M_Left Cheek_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.478 W/kg

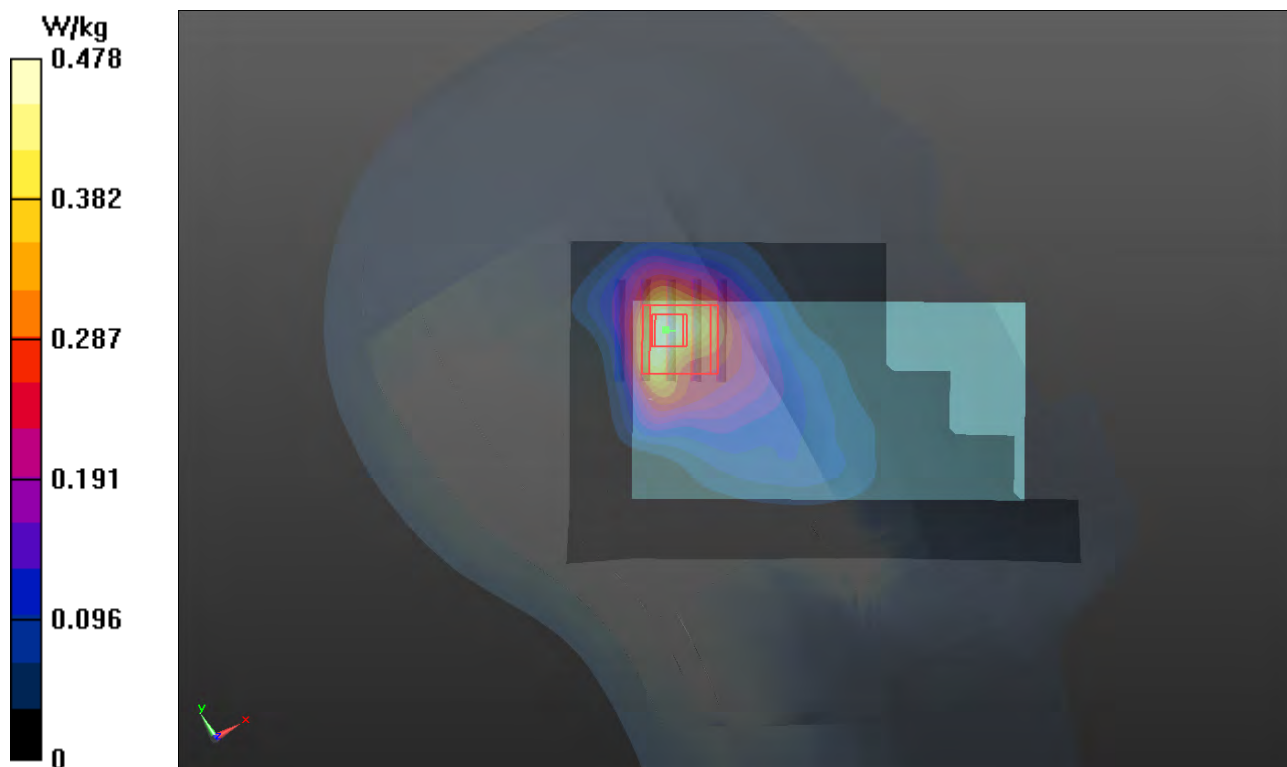
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.473 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.473 mW/g

SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.171 mW/g

Maximum value of SAR (measured) = 0.364 W/kg



P1144 LTE 4_16QAM_10M_Left Tilted_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.506 W/kg

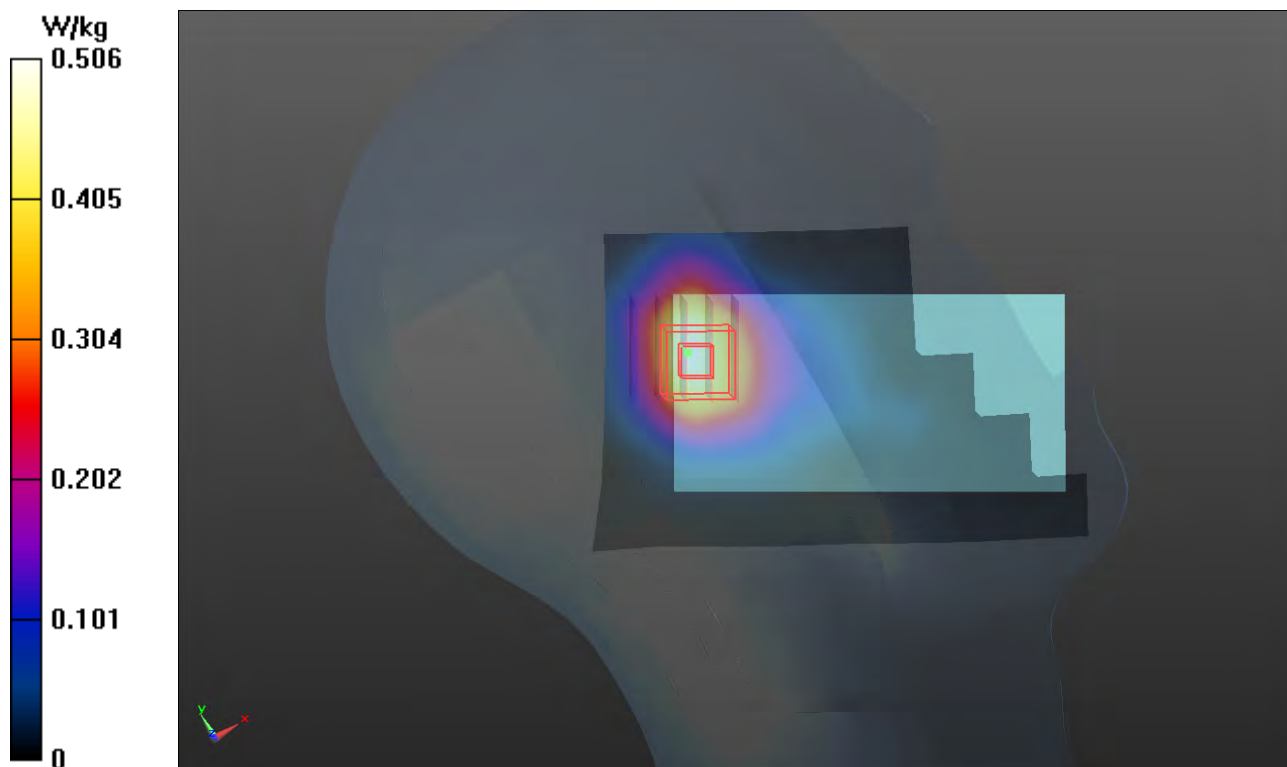
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.780 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.578 mW/g

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.464 W/kg



P217 LTE4_16QAM_10M_Right Cheek_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0902 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.301$ mho/m; $\epsilon_r = 41.605$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.95, 8.95, 8.95); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.388 W/kg

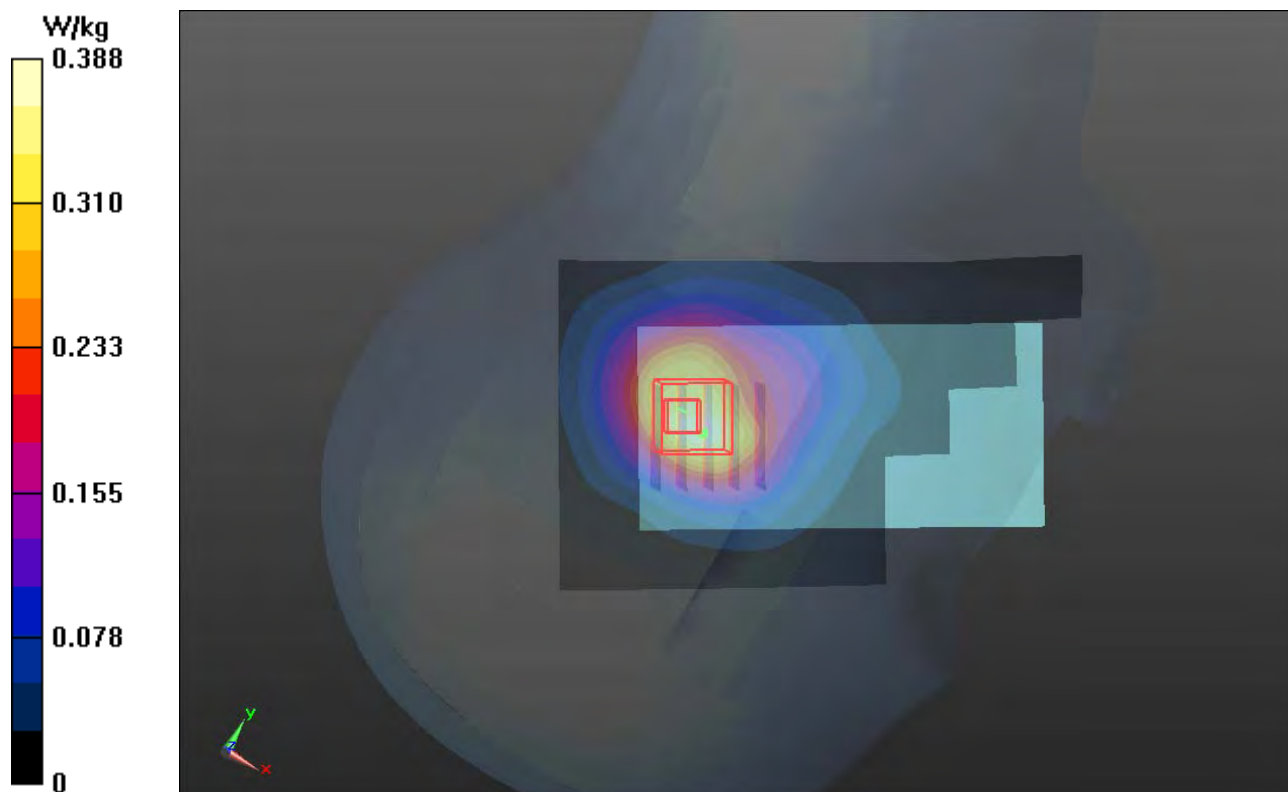
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.143 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.414 mW/g

SAR(1 g) = 0.286 mW/g; SAR(10 g) = 0.187 mW/g

Maximum value of SAR (measured) = 0.353 W/kg



P1145 LTE 4_16QAM_10M_Right Tilted_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.581 W/kg

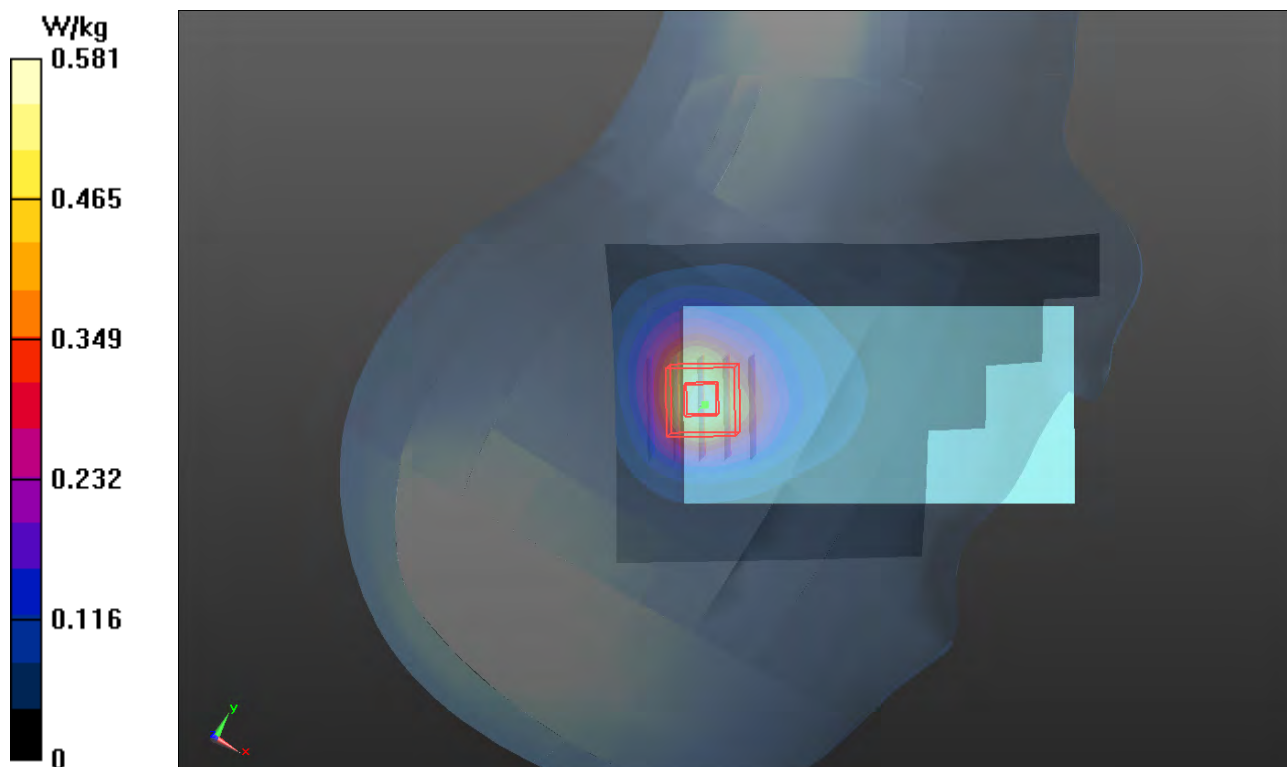
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.988 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.642 mW/g

SAR(1 g) = 0.401 mW/g; SAR(10 g) = 0.238 mW/g

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



P1146 LTE 4_16QAM_10M_Left Cheek_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.405 W/kg

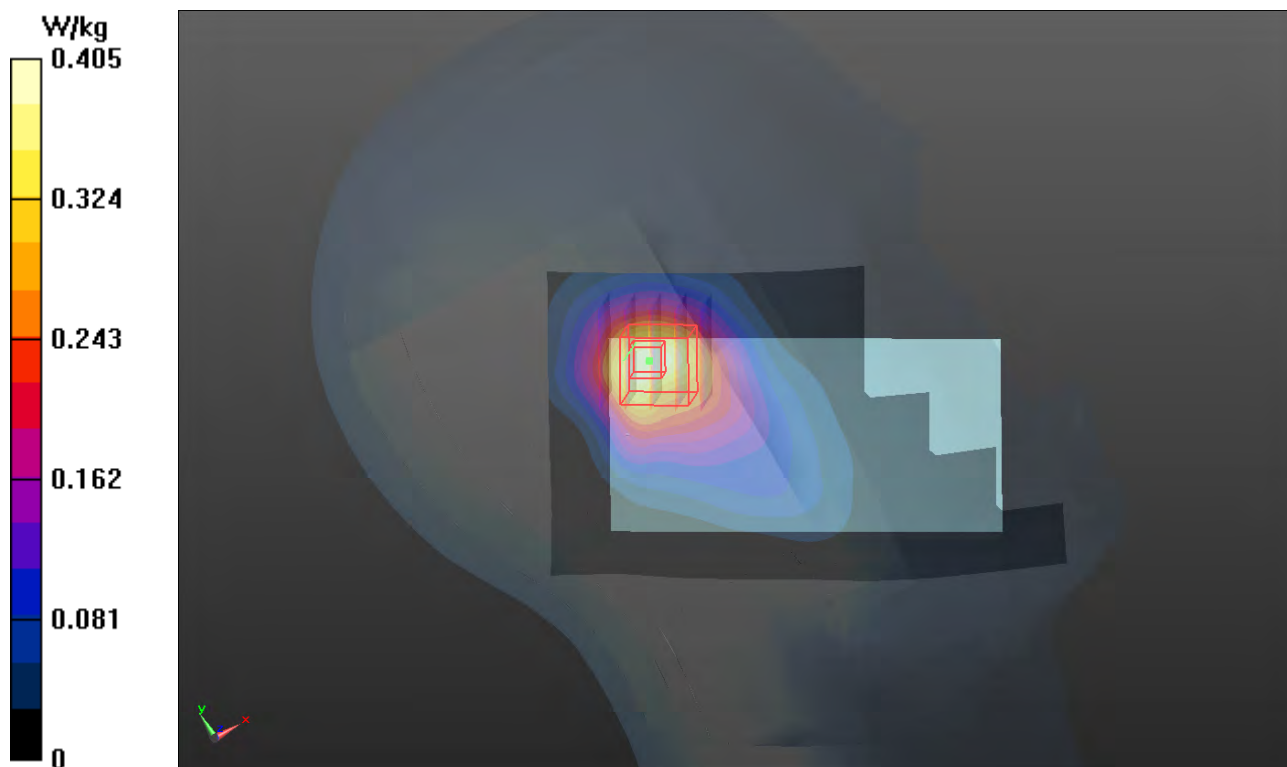
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.418 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.492 mW/g

SAR(1 g) = 0.287 mW/g; SAR(10 g) = 0.169 mW/g

Maximum value of SAR (measured) = 0.373 W/kg



P1147 LTE 4_16QAM_10M_Left Tilted_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1019 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.312$ mho/m; $\epsilon_r = 39.978$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.486 W/kg

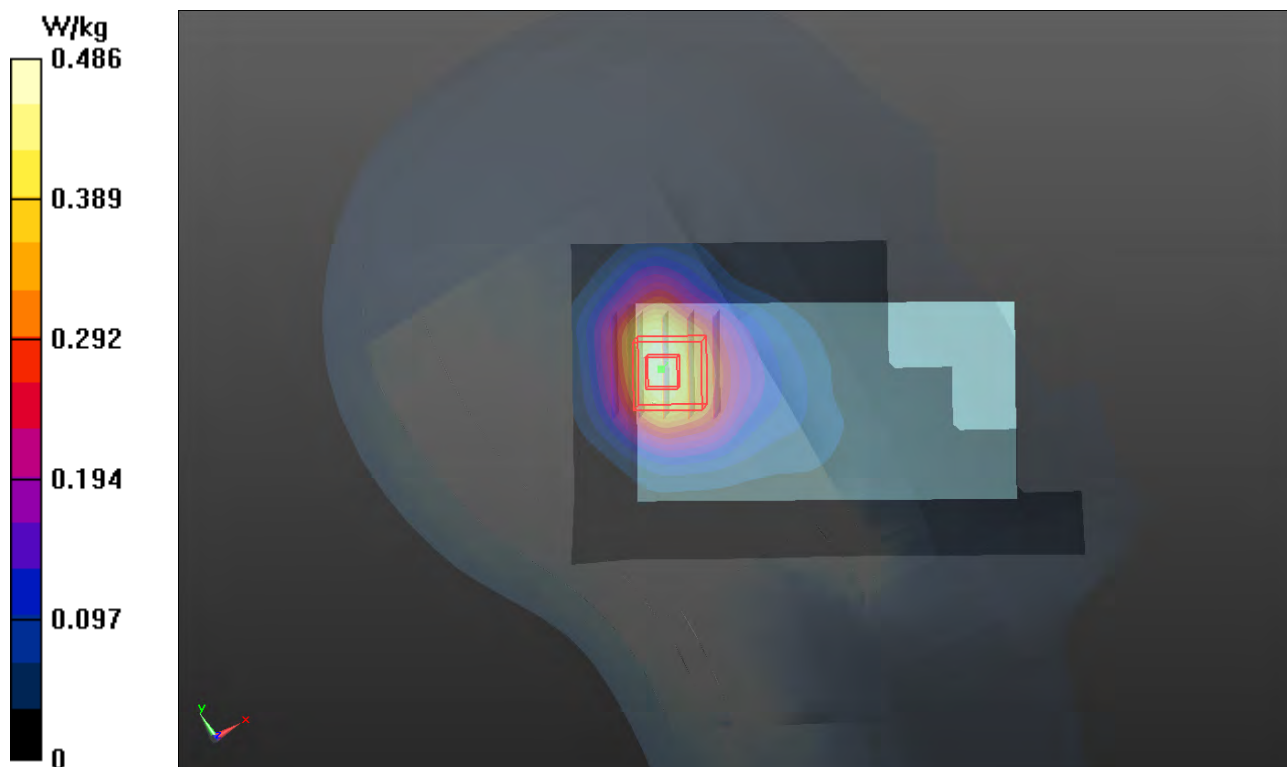
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.232 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.595 mW/g

SAR(1 g) = 0.353 mW/g; SAR(10 g) = 0.212 mW/g

Maximum value of SAR (measured) = 0.456 W/kg



P1012 LTE 4_QPSK_10M_Right Cheek_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.250 W/kg

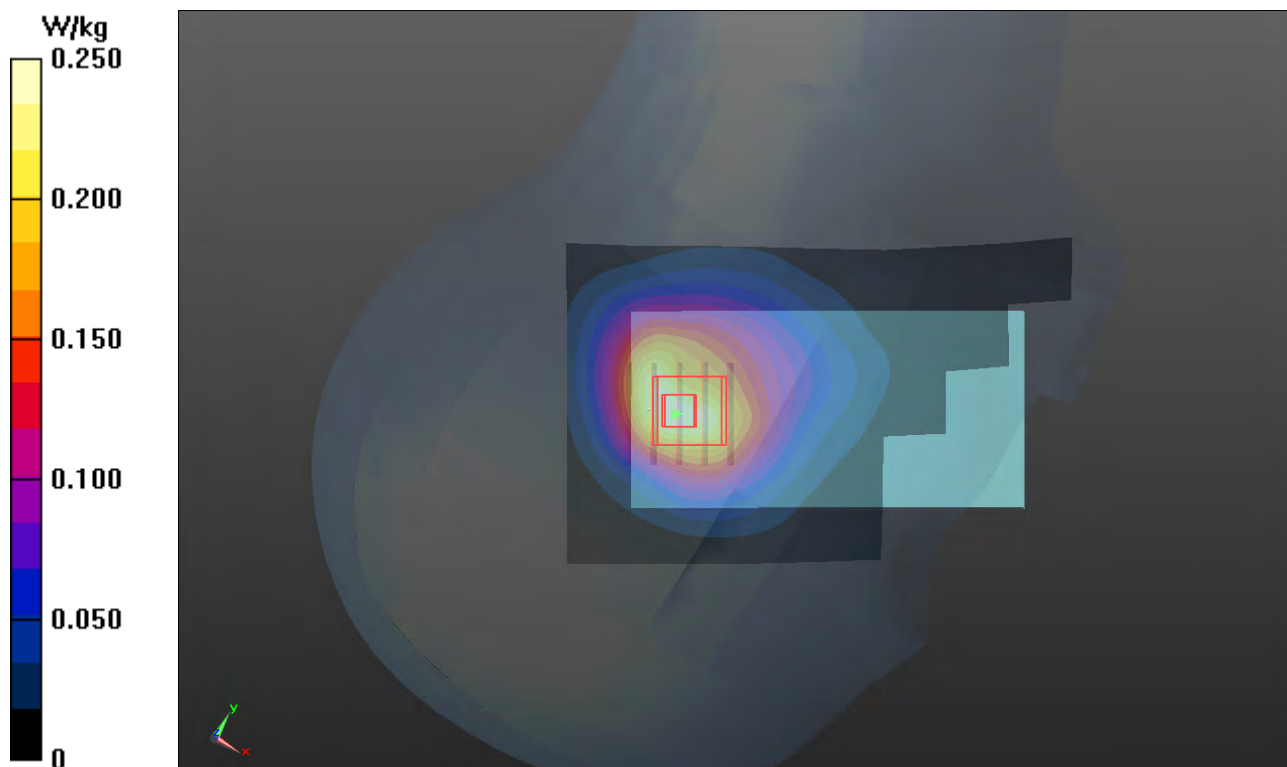
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.285 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.269 mW/g

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.229 W/kg



P1013 LTE 4_QPSK_10M_Right Tilted_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.421 W/kg

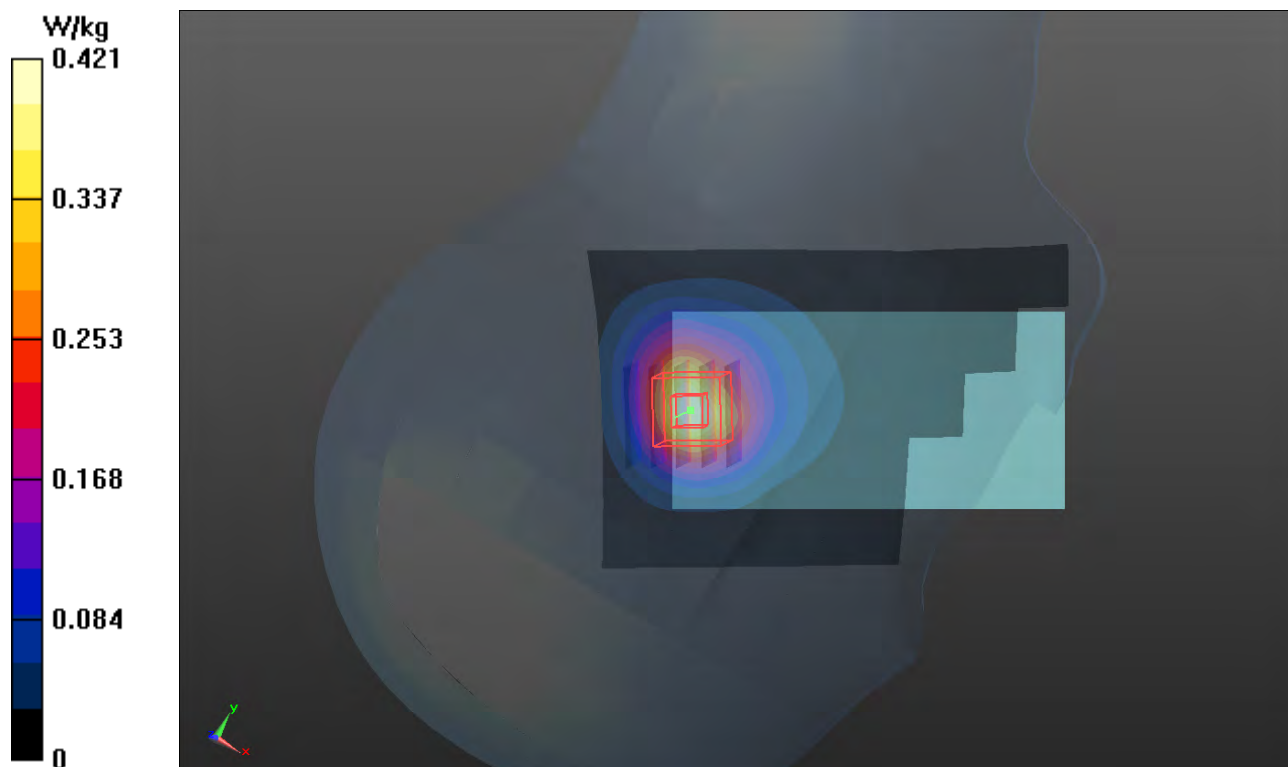
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.014 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.448 mW/g

SAR(1 g) = 0.281 mW/g; SAR(10 g) = 0.166 mW/g

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



P1014 LTE 4_QPSK_10M_Left Cheek_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.273 W/kg

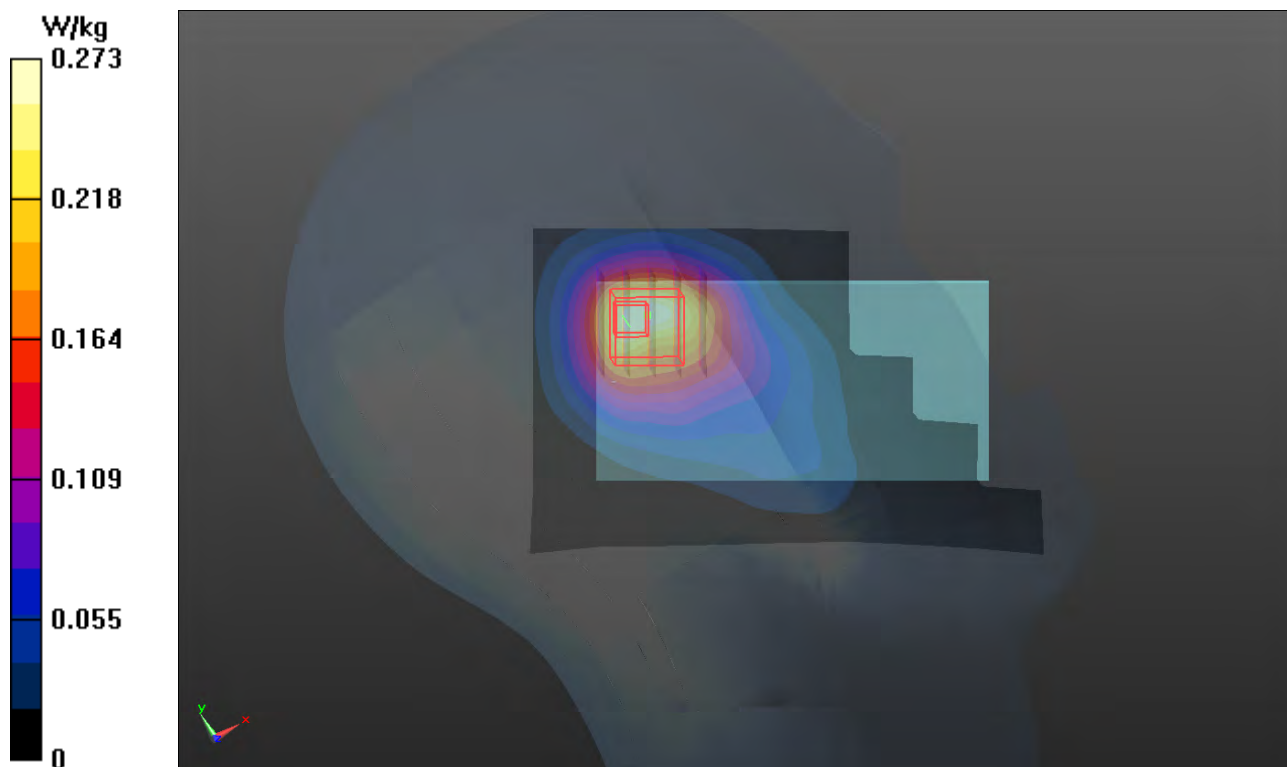
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.211 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.337 mW/g

SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.114 mW/g

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



P1015 LTE 4_QPSK_10M_Left Tilted_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.336 W/kg

Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.299 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.412 mW/g

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.140 mW/g

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



P1016 LTE 4_QPSK_10M_Right Cheek_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.318 W/kg

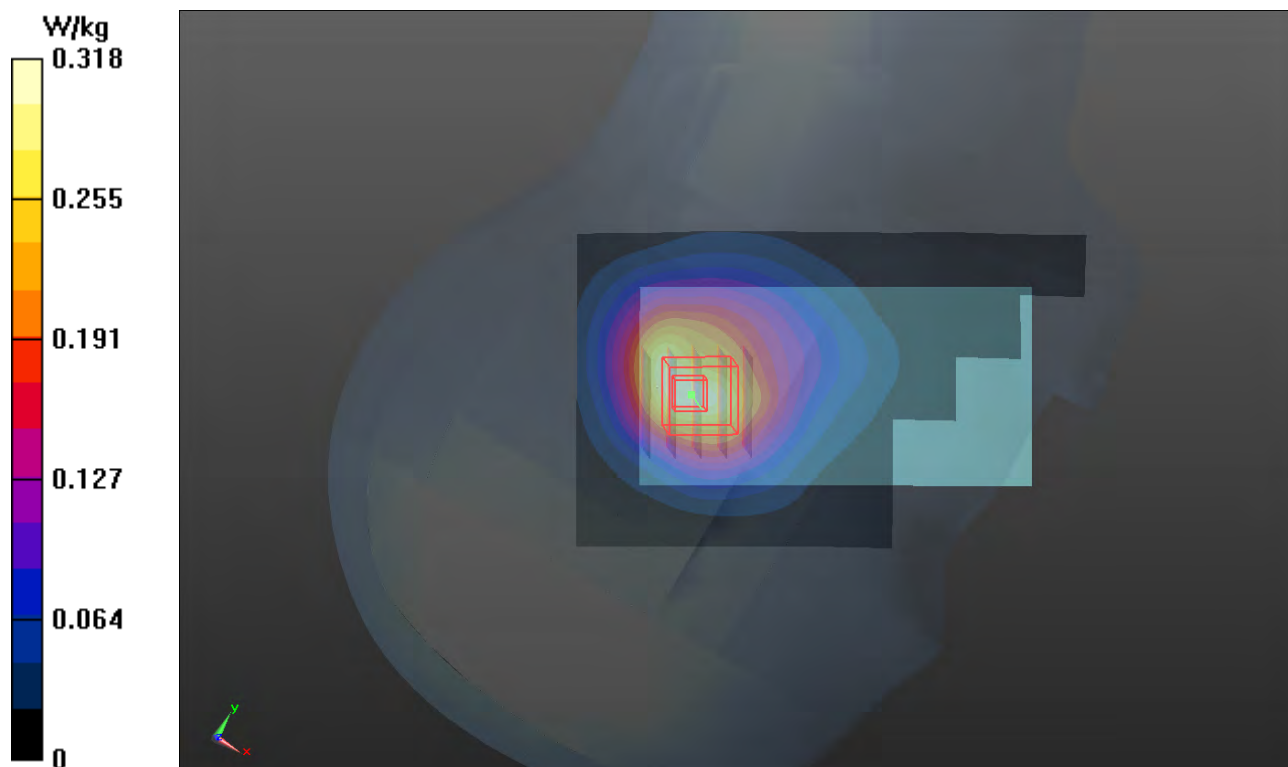
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.423 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.351 mW/g

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.147 mW/g

Maximum value of SAR (measured) = 0.298 W/kg



P1017 LTE 4_QPSK_10M_Right Tilted_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.521 W/kg

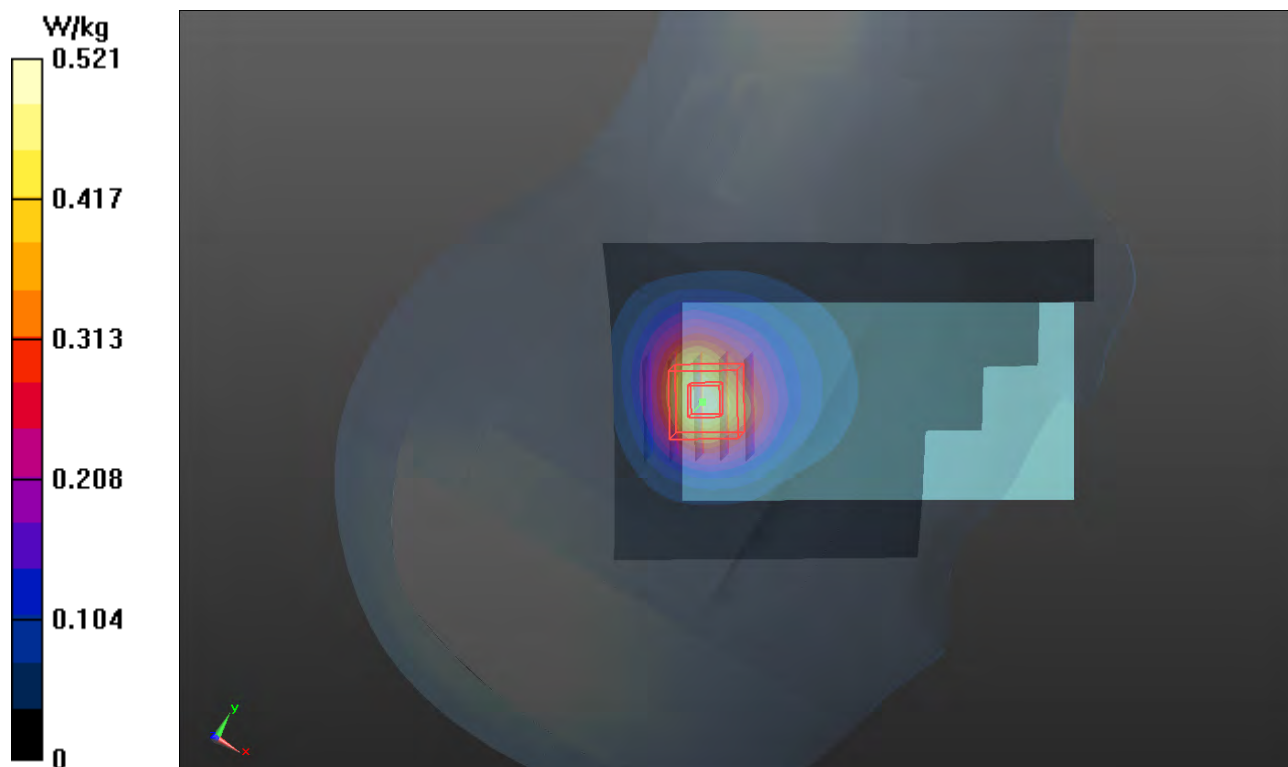
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.975 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.576 mW/g

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.475 W/kg



P1018 LTE 4_QPSK_10M_Left Cheek_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.337 W/kg

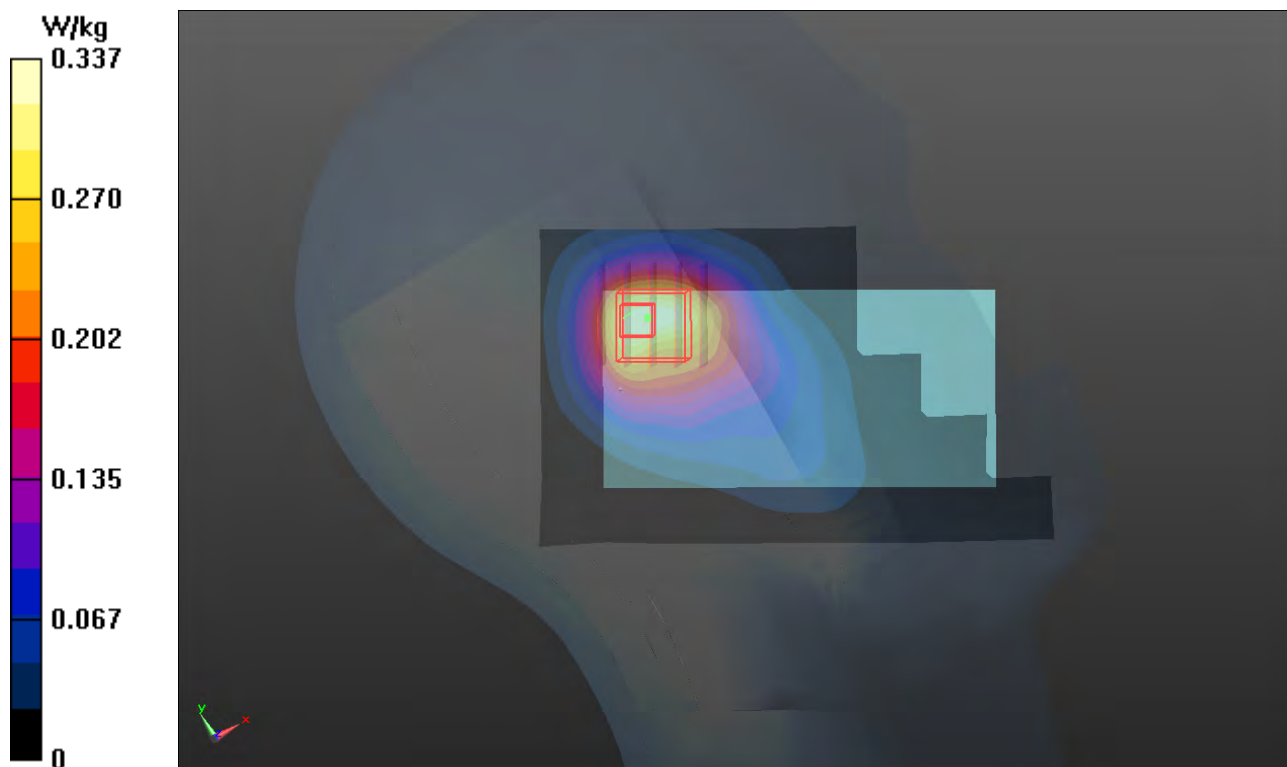
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.240 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.454 mW/g

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.143 mW/g

Maximum value of SAR (measured) = 0.349 W/kg



P1019 LTE 4_QPSK_10M_Left Tilted_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.432 W/kg

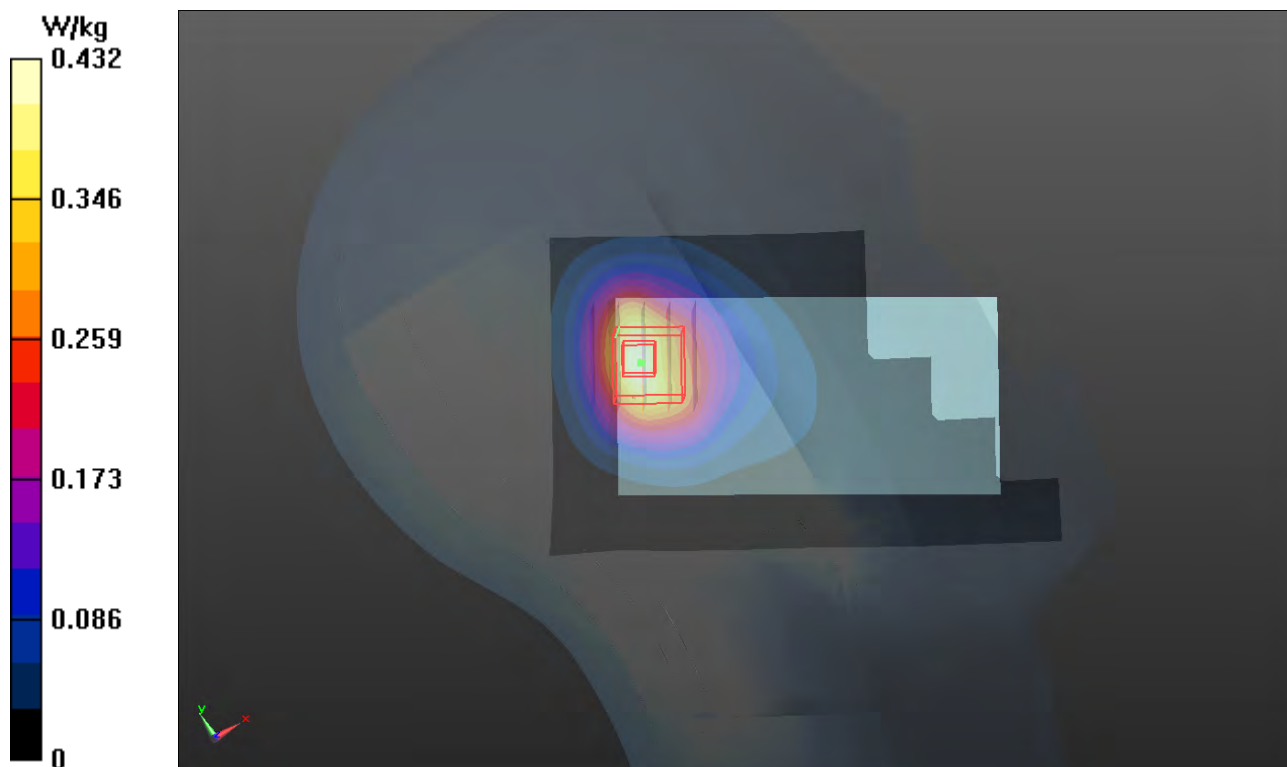
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.995 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.539 mW/g

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.180 mW/g

Maximum value of SAR (measured) = 0.387 W/kg



P409 LTE4_QPSK_10M_Right Cheek_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0925 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.3$ mho/m; $\epsilon_r = 41.609$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.408 W/kg

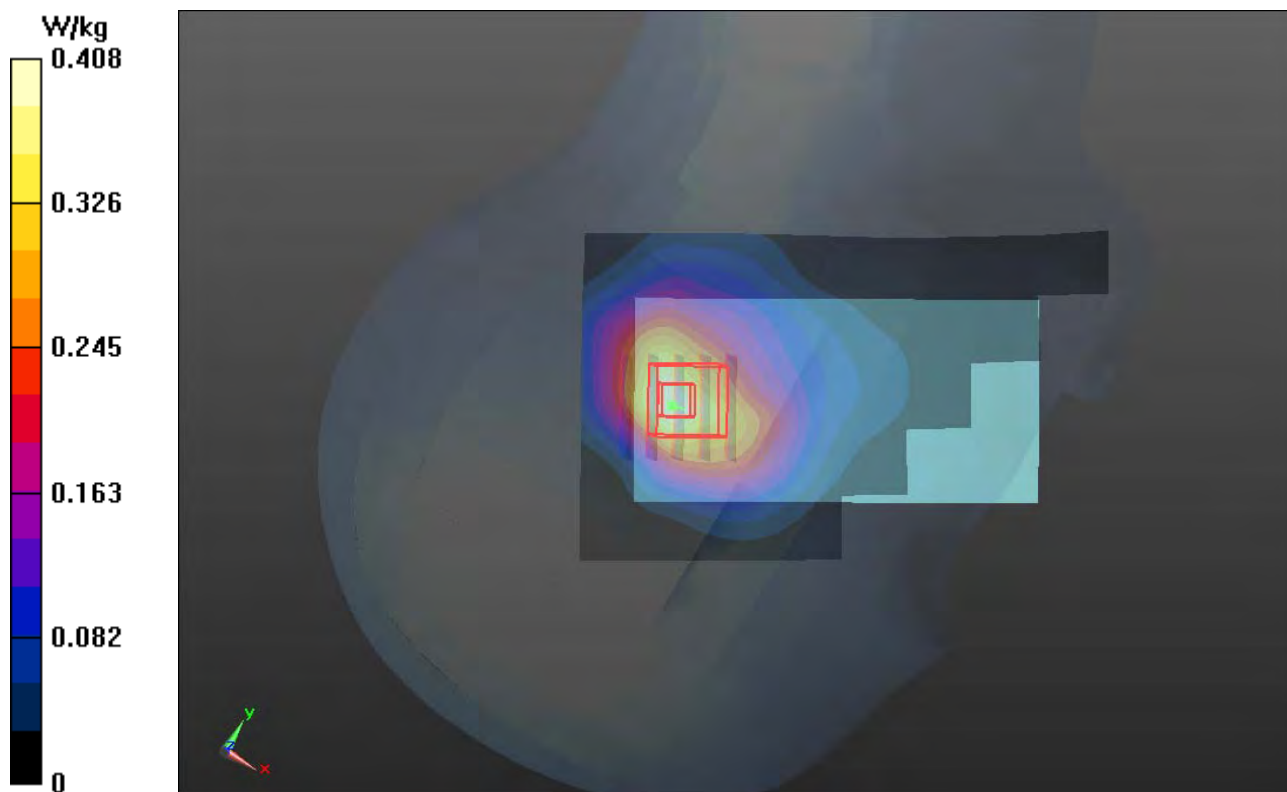
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.408 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.442 mW/g

SAR(1 g) = 0.294 mW/g; SAR(10 g) = 0.191 mW/g

Maximum value of SAR (measured) = 0.369 W/kg



P410 LTE4_QPSK_10M_Right Tilted_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0925 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.3$ mho/m; $\epsilon_r = 41.609$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

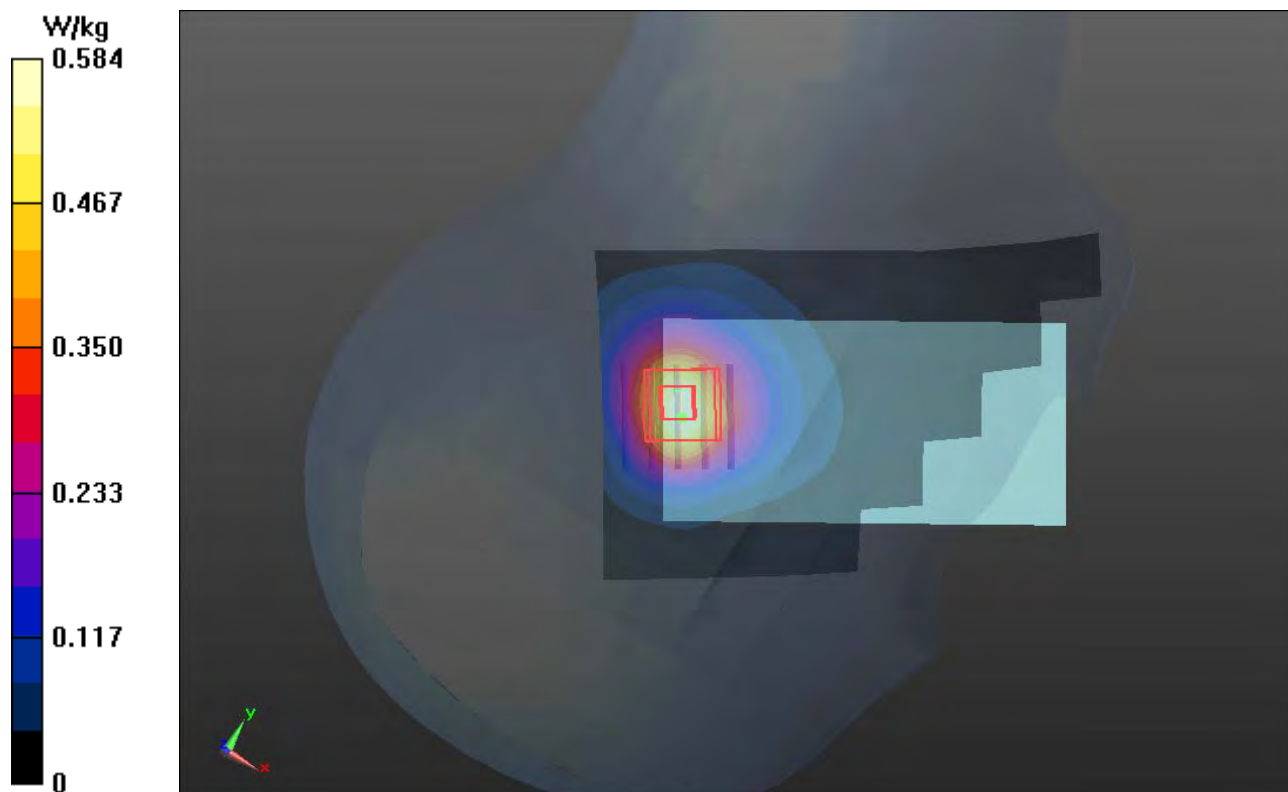
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.632 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.673 mW/g

SAR(1 g) = 0.427 mW/g; SAR(10 g) = 0.258 mW/g

Maximum value of SAR (measured) = 0.546 W/kg



P411 LTE4_QPSK_10M_Left Cheek_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0925 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.3$ mho/m; $\epsilon_r = 41.609$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.470 W/kg

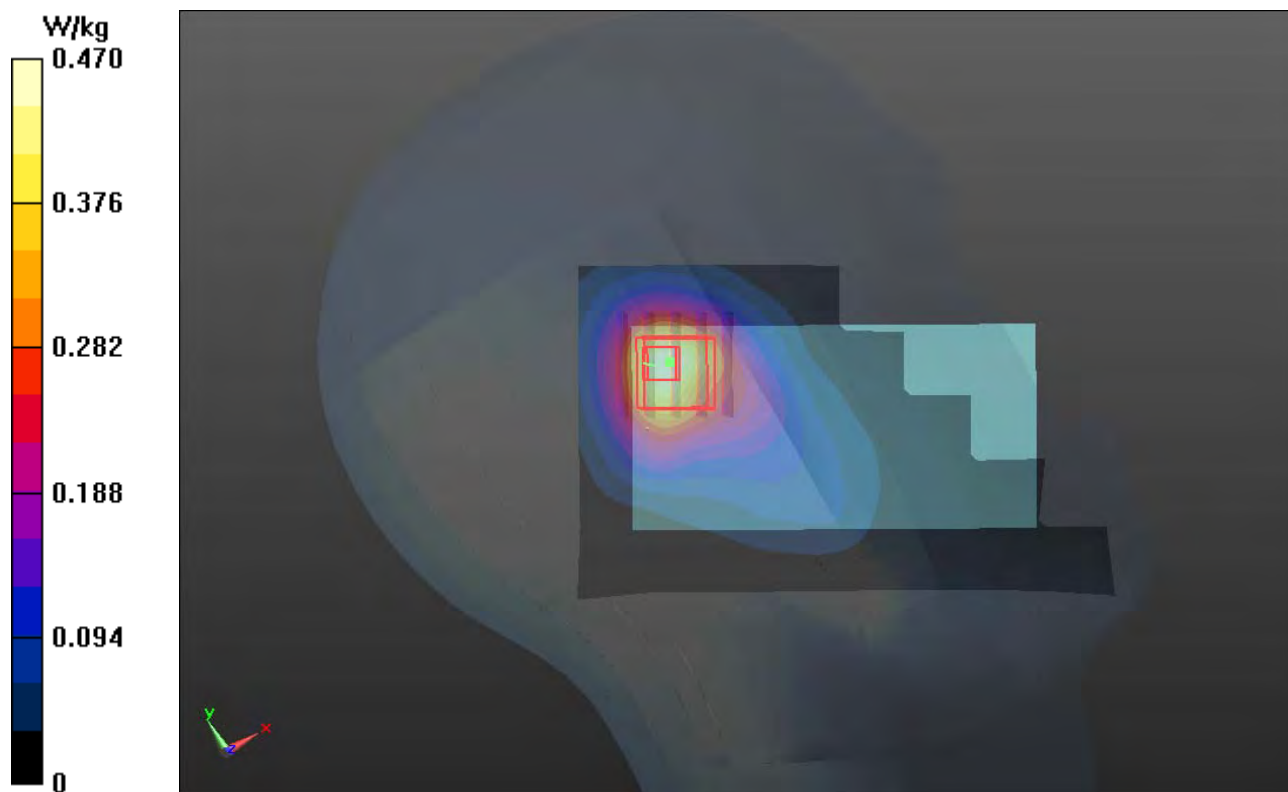
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.595 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.593 mW/g

SAR(1 g) = 0.340 mW/g; SAR(10 g) = 0.202 mW/g

Maximum value of SAR (measured) = 0.455 W/kg



P412 LTE4_QPSK_10M_Left Tilted_Ch20000_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1715 MHz;Duty Cycle: 1:1

Medium: H1750_0925 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.3$ mho/m; $\epsilon_r = 41.609$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

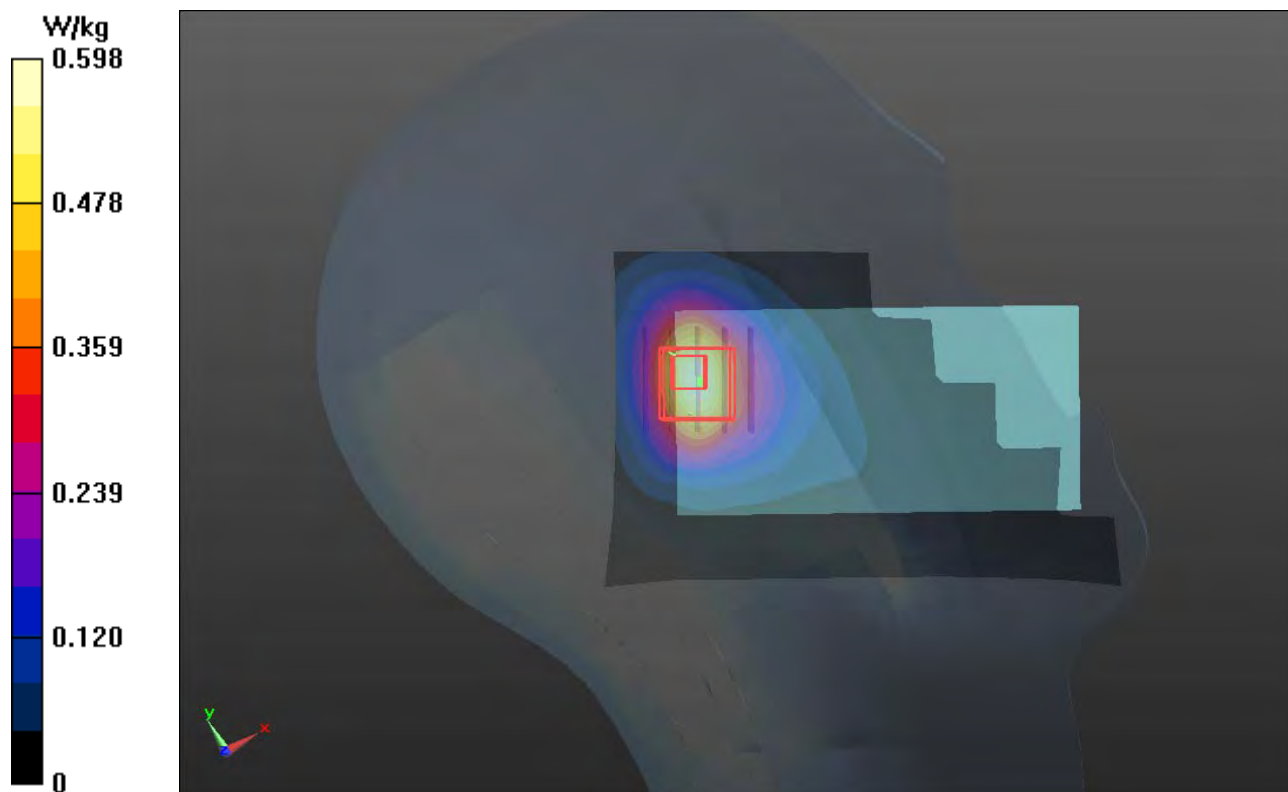
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.300 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.748 mW/g

SAR(1 g) = 0.413 mW/g; SAR(10 g) = 0.248 mW/g

Maximum value of SAR (measured) = 0.563 W/kg



P477 LTE 4_16QAM_10M_Right Cheek_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.194 W/kg

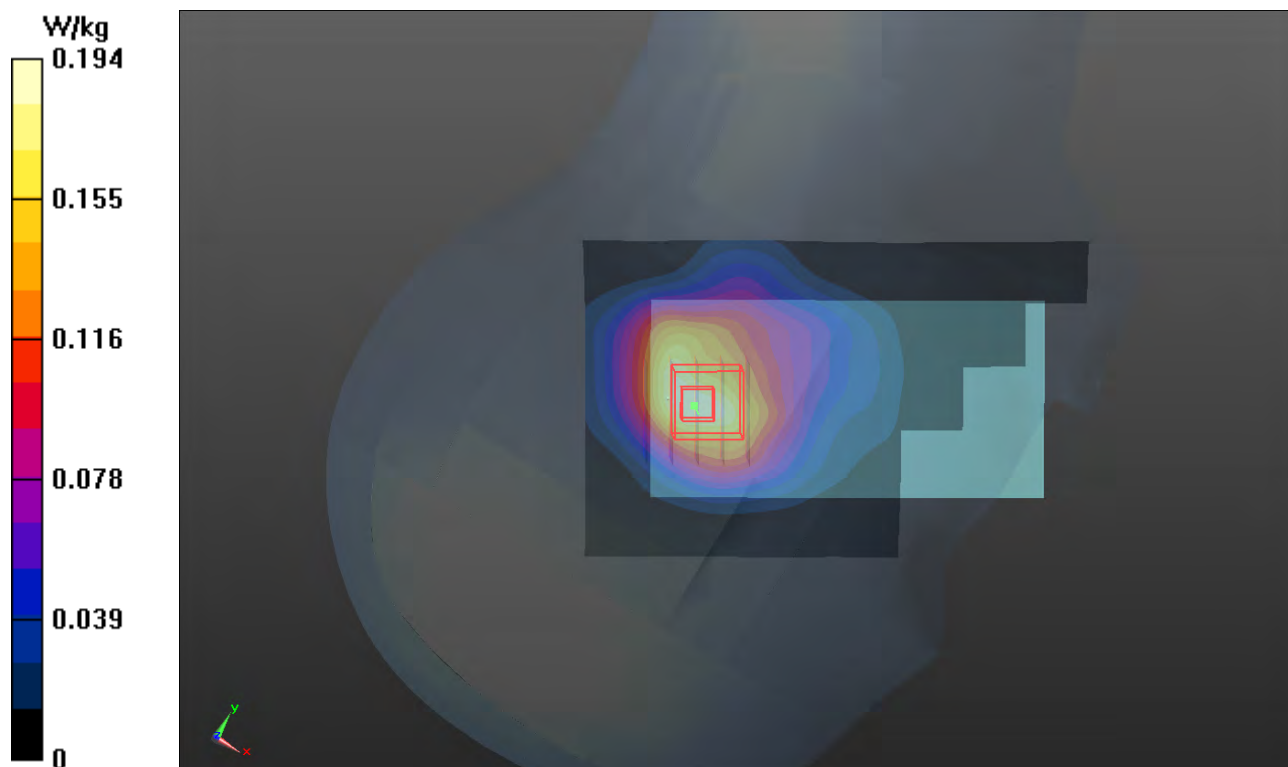
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.382 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.214 mW/g

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.181 W/kg



P478 LTE 4_16QAM_10M_Right Tilted_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.337 W/kg

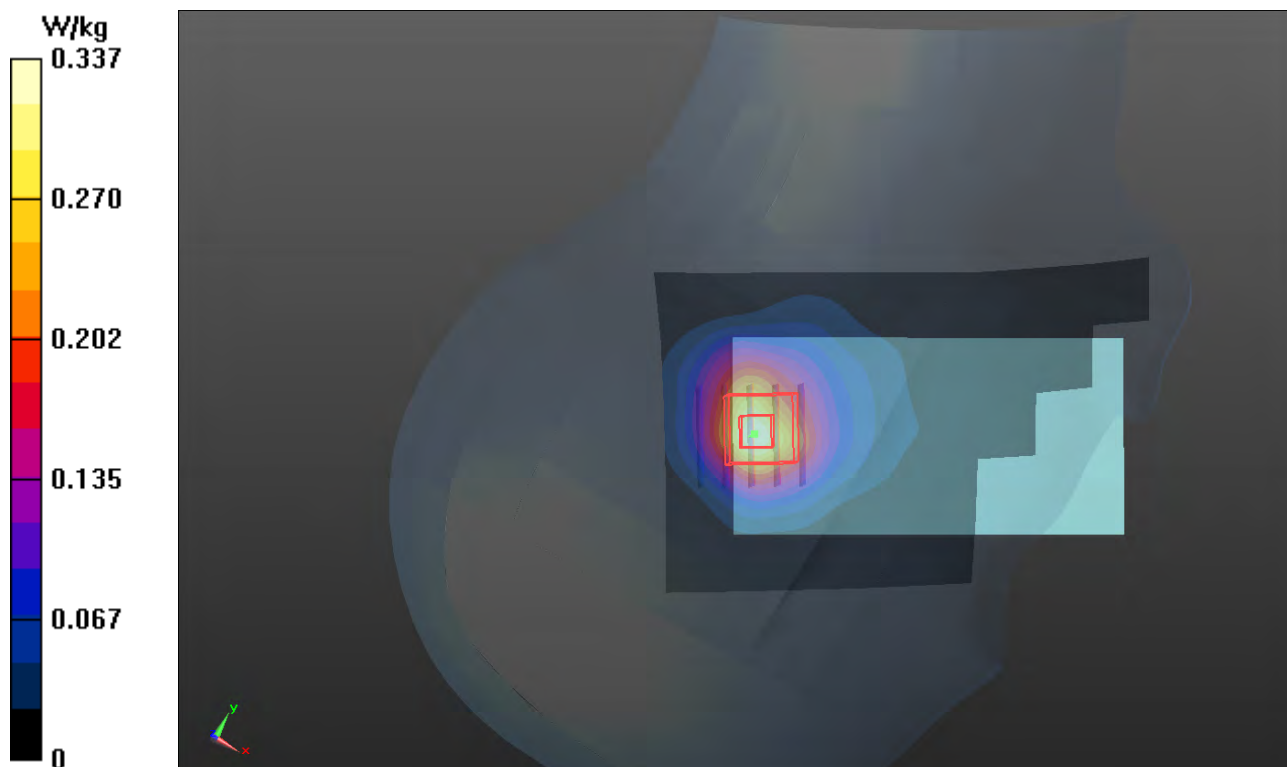
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.884 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.365 mW/g

SAR(1 g) = 0.224 mW/g; SAR(10 g) = 0.132 mW/g

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



P479 LTE 4_16QAM_10M_Left Cheek_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

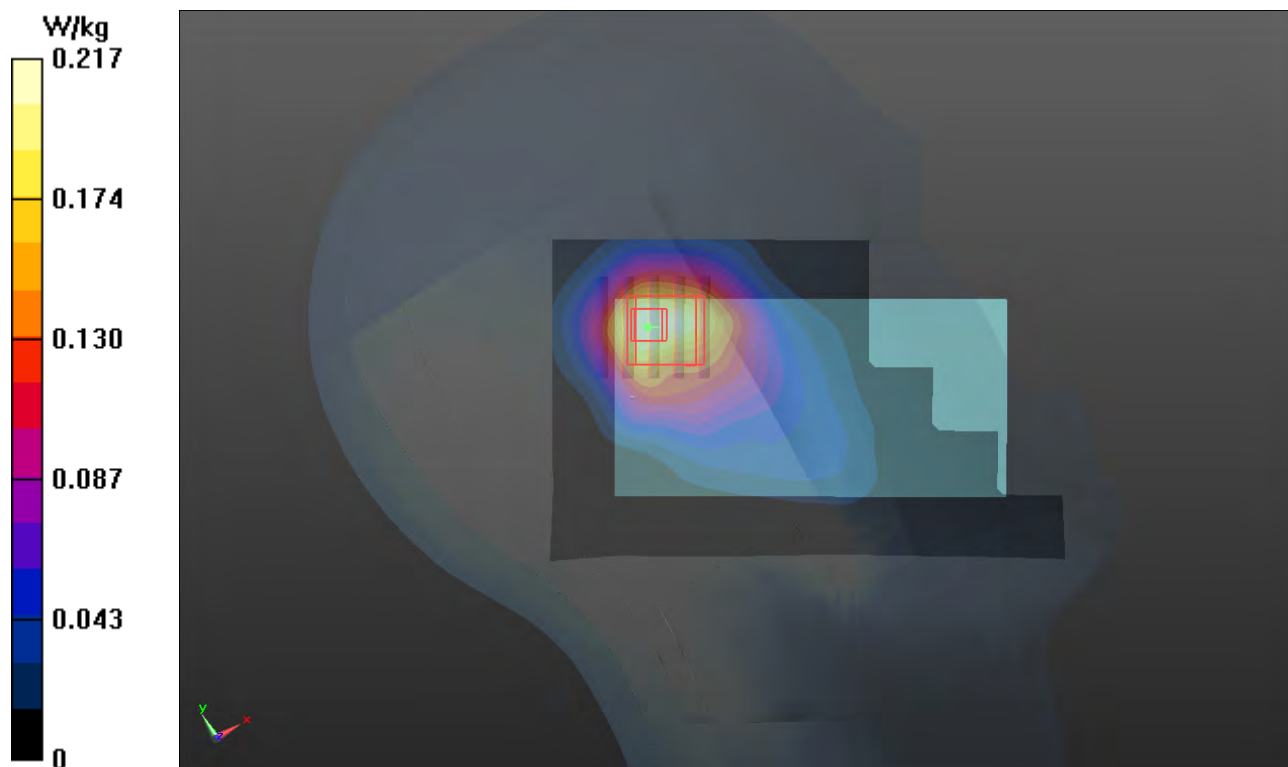
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.537 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.268 mW/g

SAR(1 g) = 0.152 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.201 W/kg



P480 LTE 4_16QAM_10M_Left Tilted_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

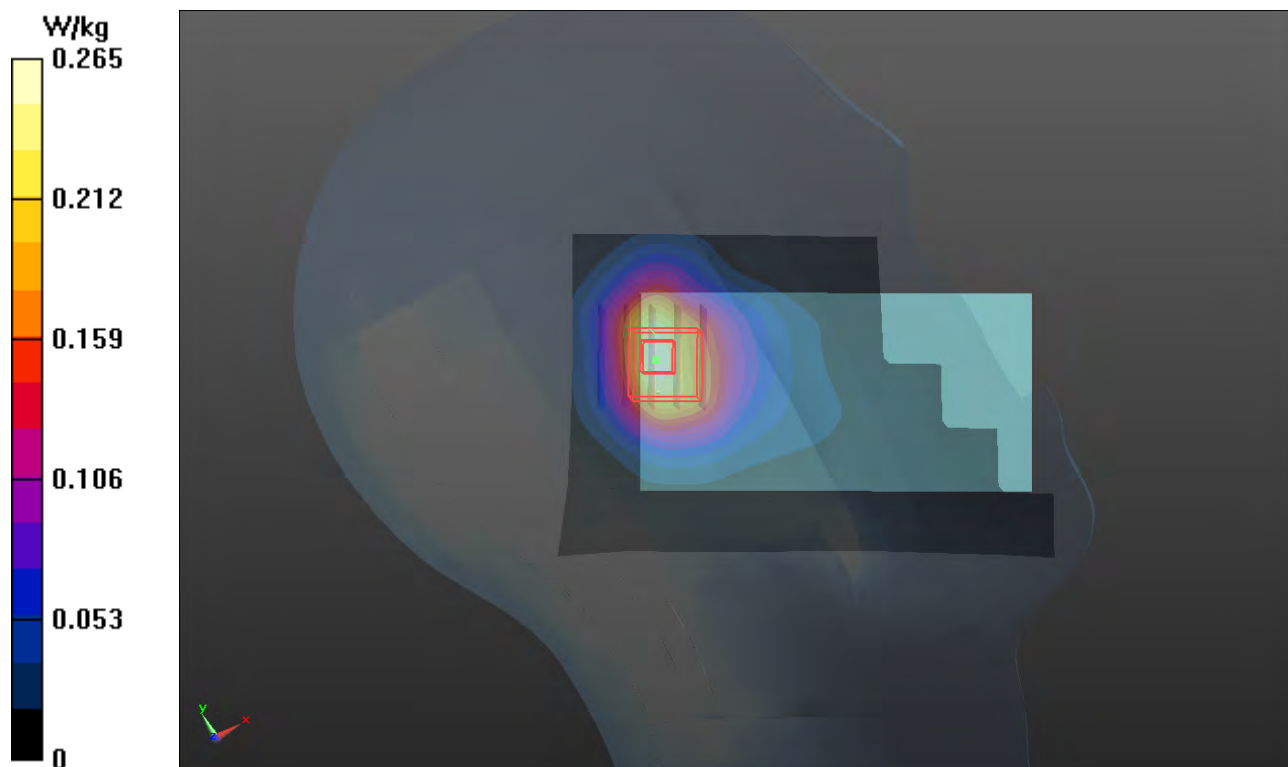
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.856 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.312 mW/g

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.111 mW/g

Maximum value of SAR (measured) = 0.243 W/kg



P481 LTE 4_16QAM_10M_Right Cheek_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.247 W/kg

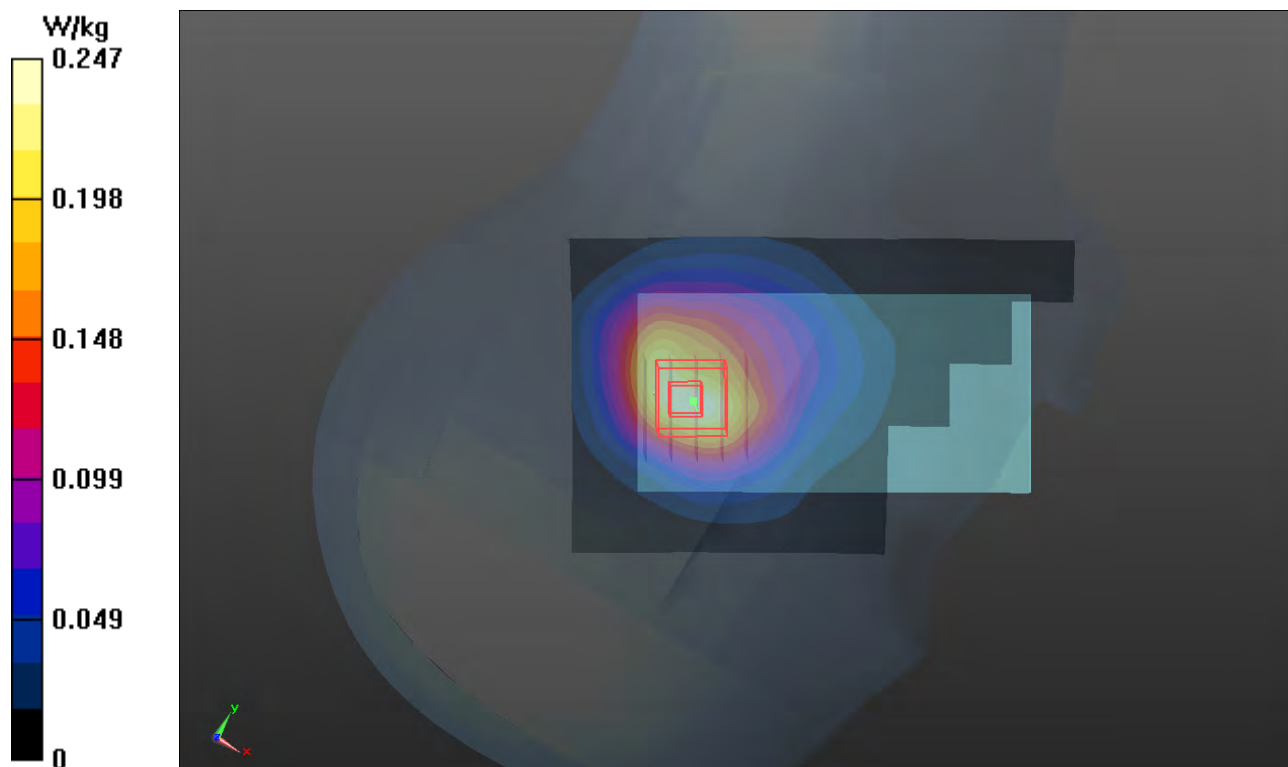
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.841 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.261 mW/g

SAR(1 g) = 0.174 mW/g; SAR(10 g) = 0.110 mW/g

Maximum value of SAR (measured) = 0.219 W/kg



P482 LTE 4_16QAM_10M_Right Tilted_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

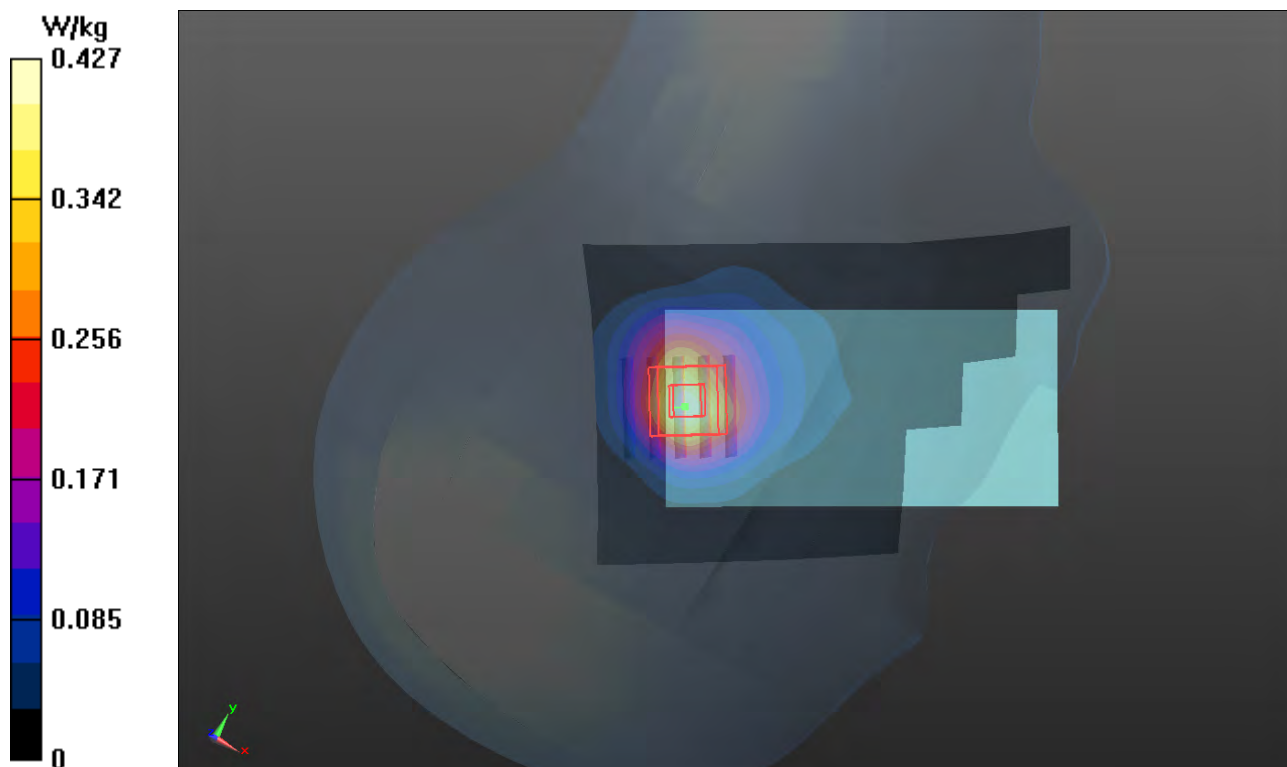
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.803 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.452 mW/g

SAR(1 g) = 0.277 mW/g; SAR(10 g) = 0.164 mW/g

Maximum value of SAR (measured) = 0.370 W/kg



P483 LTE 4_16QAM_10M_Left Cheek_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.281 W/kg

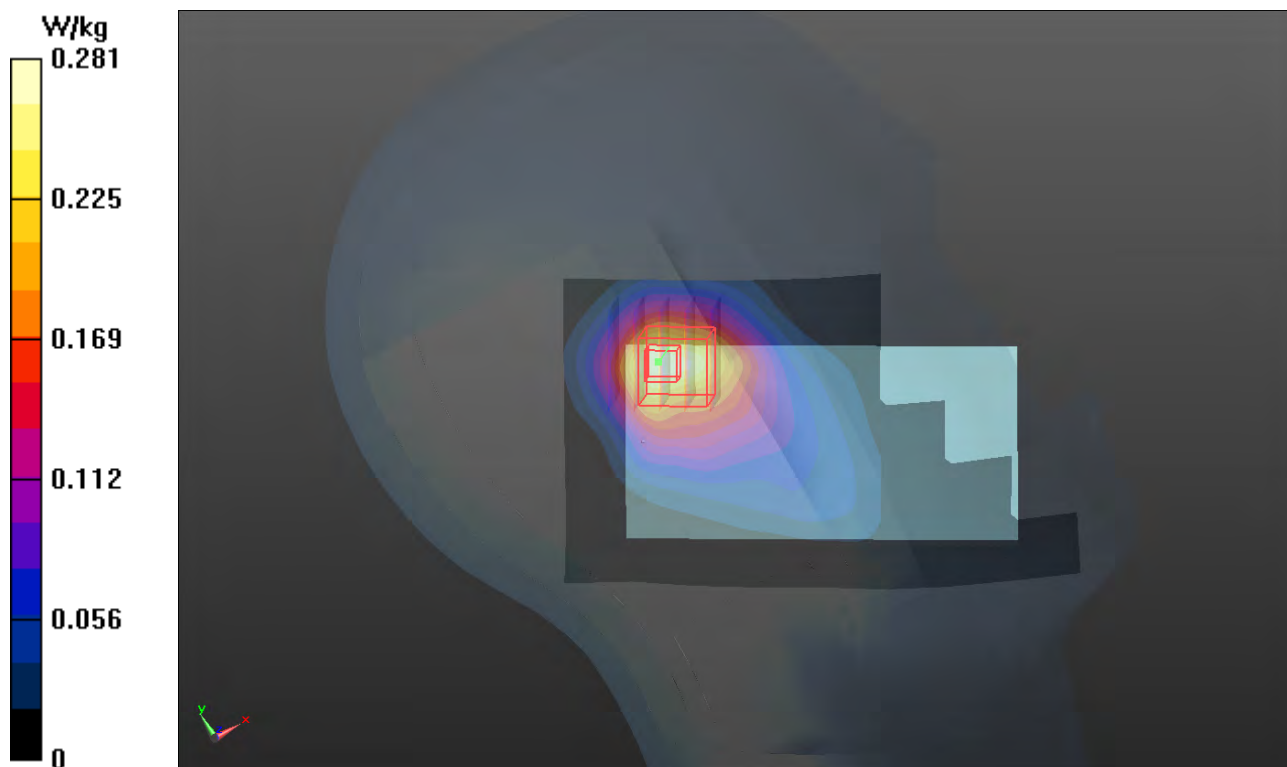
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.765 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.335 mW/g

SAR(1 g) = 0.193 mW/g; SAR(10 g) = 0.114 mW/g

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



P484 LTE 4_16QAM_10M_Left Tilted_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

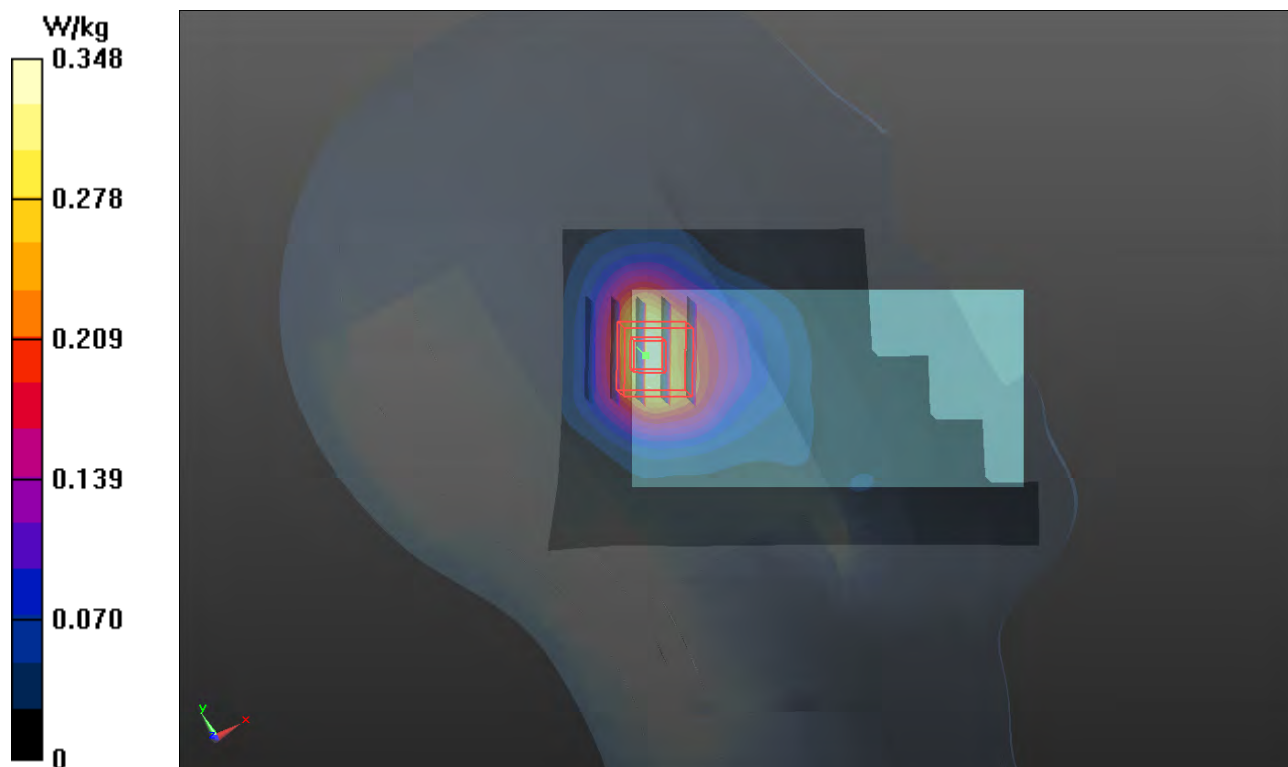
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.377 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.391 mW/g

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.138 mW/g

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



P485 LTE 4_16QAM_10M_Right Cheek_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.281 W/kg

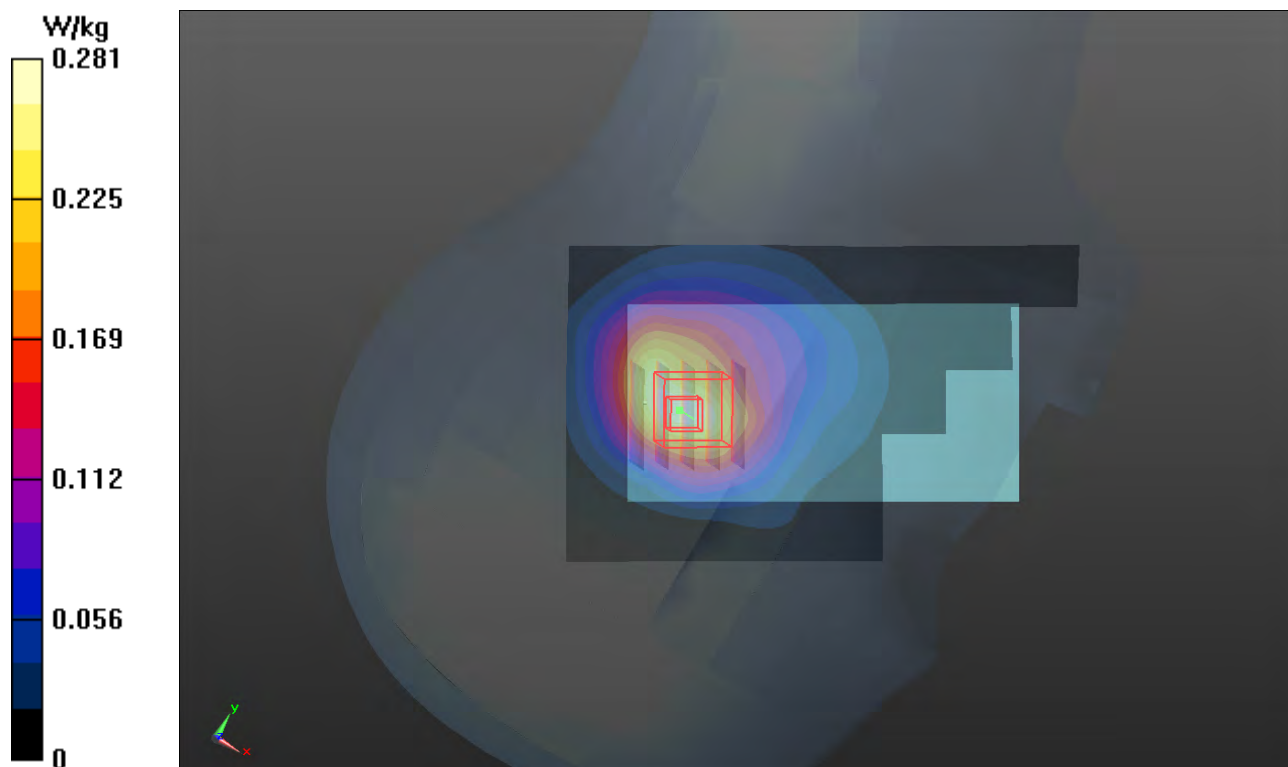
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.324 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.293 mW/g

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

Maximum value of SAR (measured) = 0.244 W/kg



P486 LTE 4_16QAM_10M_Right Tilted_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.452 W/kg

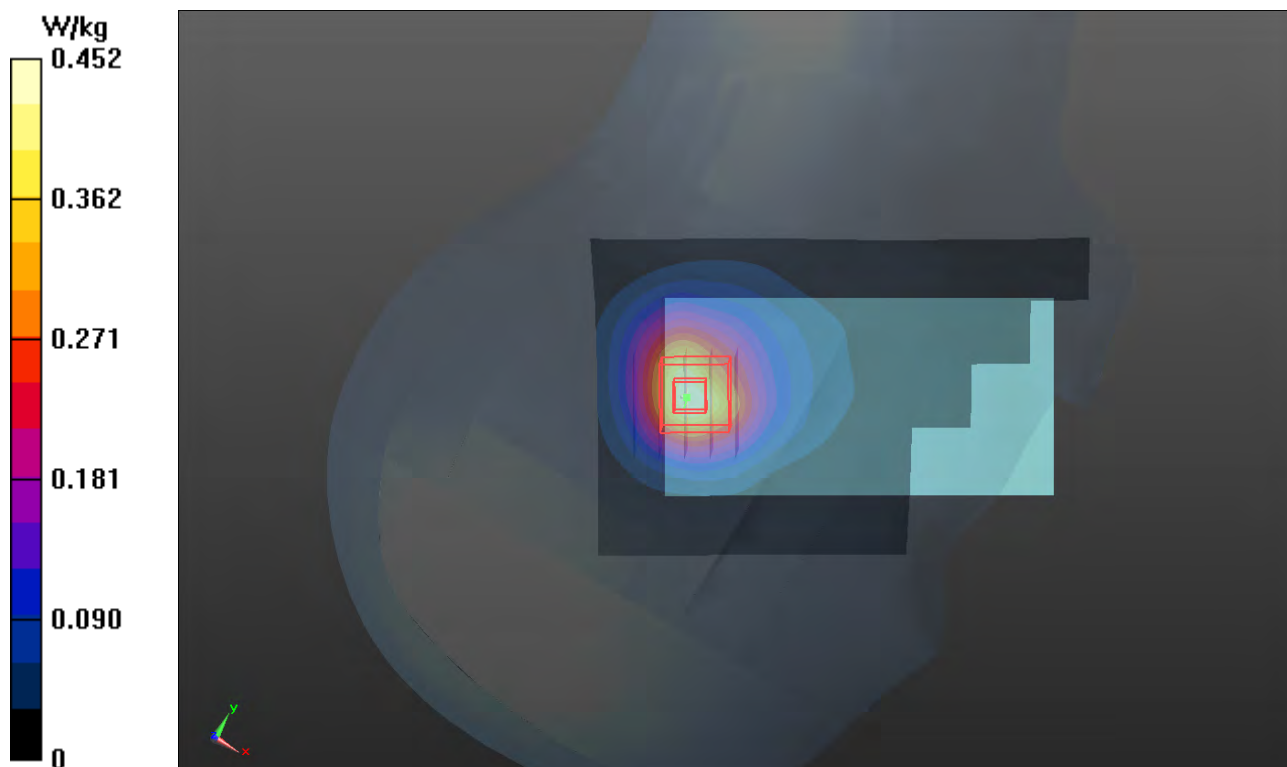
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.649 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.504 mW/g

SAR(1 g) = 0.311 mW/g; SAR(10 g) = 0.184 mW/g

Maximum value of SAR (measured) = 0.416 W/kg



P487 LTE 4_16QAM_10M_Left Cheek_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.307 W/kg

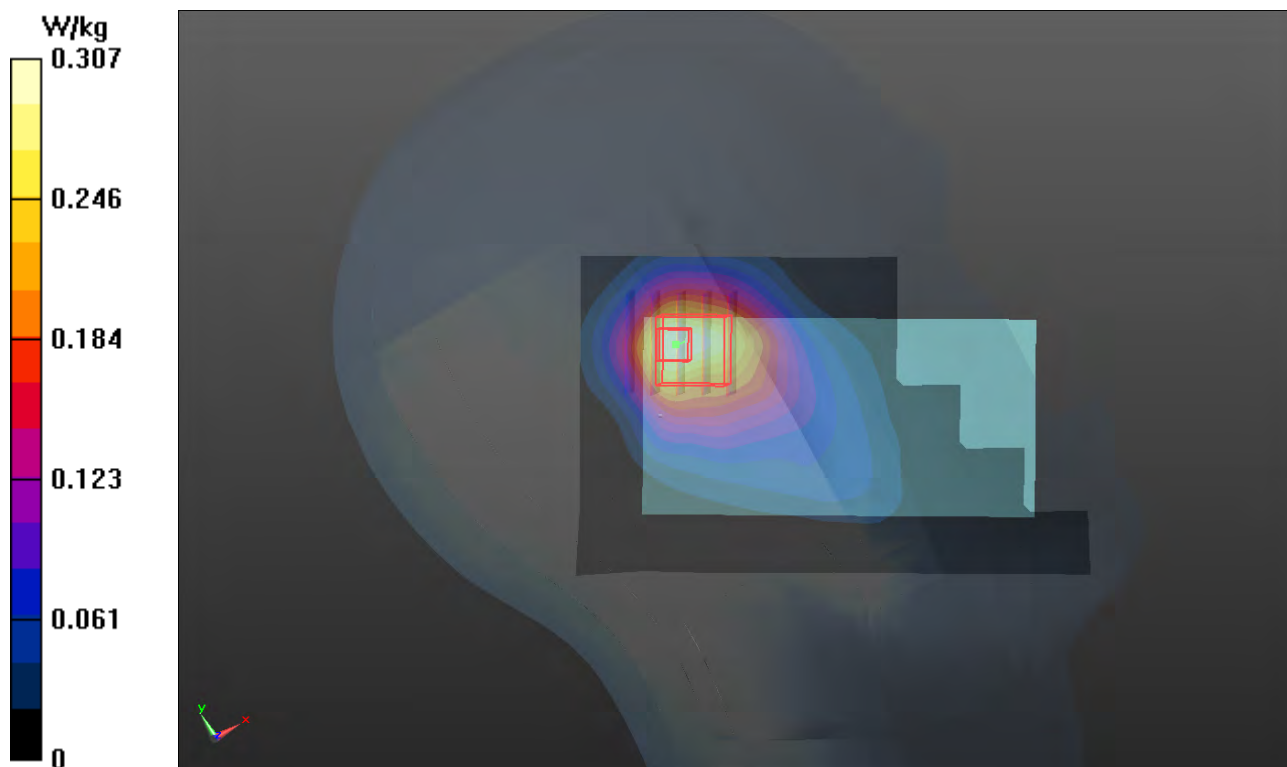
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.399 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.388 mW/g

SAR(1 g) = 0.219 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.296 W/kg



P488 LTE 4_16QAM_10M_Left Tilted_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: H1750_1016 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.297$ mho/m; $\epsilon_r = 39.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.56, 8.56, 8.56); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.375 W/kg

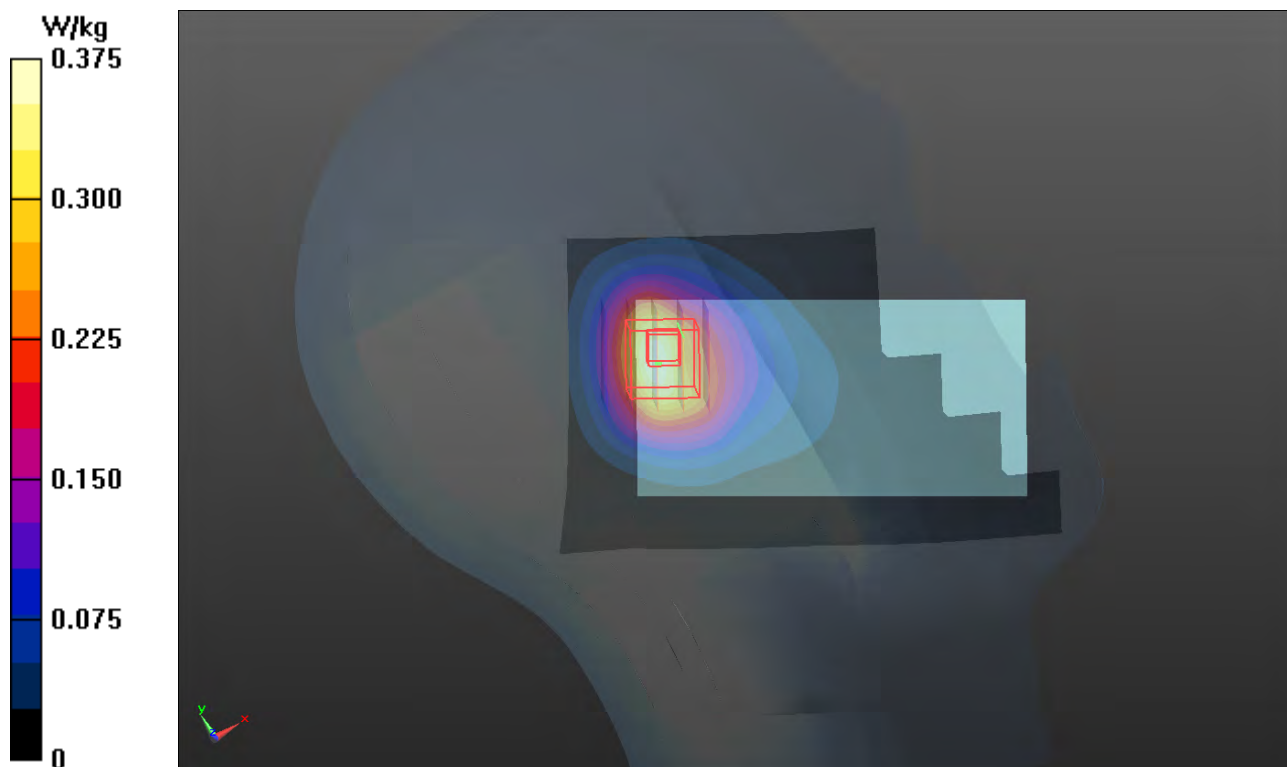
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.895 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.462 mW/g

SAR(1 g) = 0.266 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.336 W/kg



P266 LTE5_QPSK_10M_Right Cheek_Ch20450_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.999 W/kg

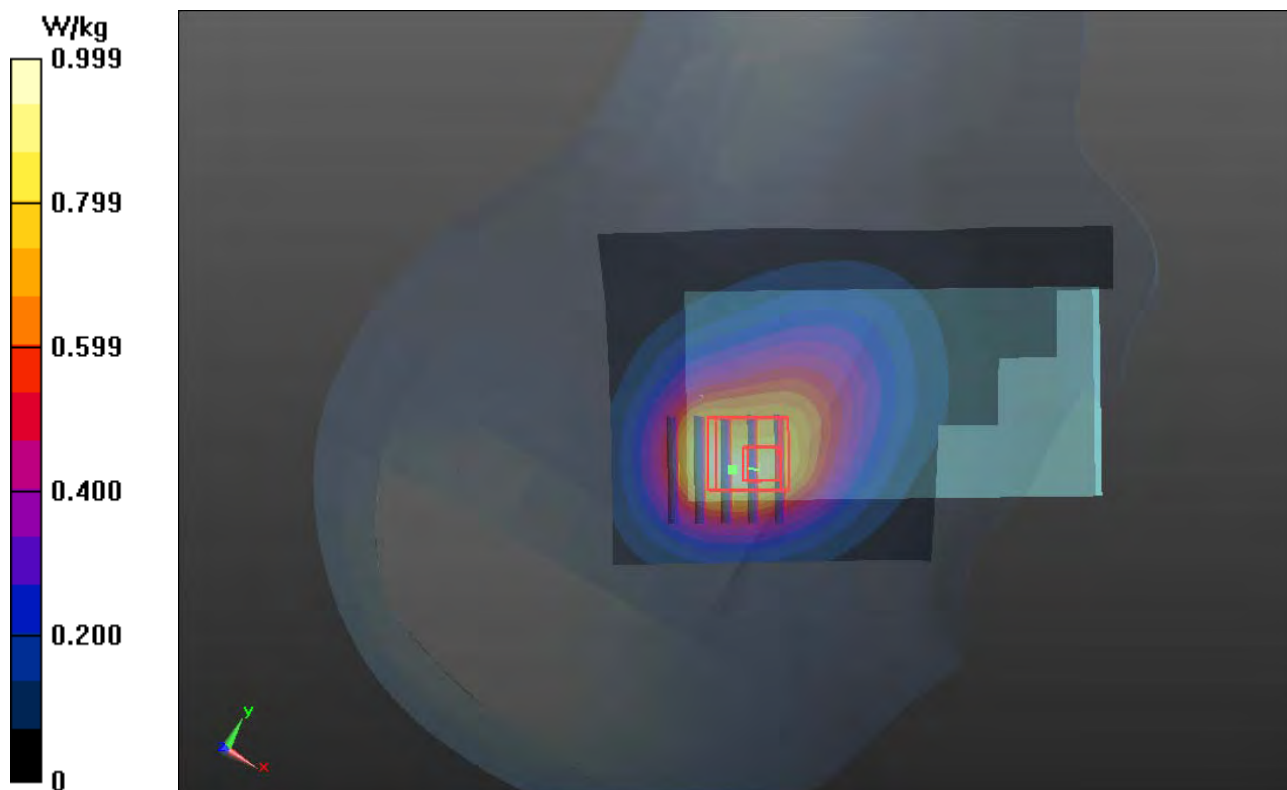
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.815 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.085 mW/g

SAR(1 g) = 0.724 mW/g; SAR(10 g) = 0.468 mW/g

Maximum value of SAR (measured) = 0.918 W/kg



P267 LTE5_QPSK_10M_Right Tilted_Ch20450_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.817 W/kg

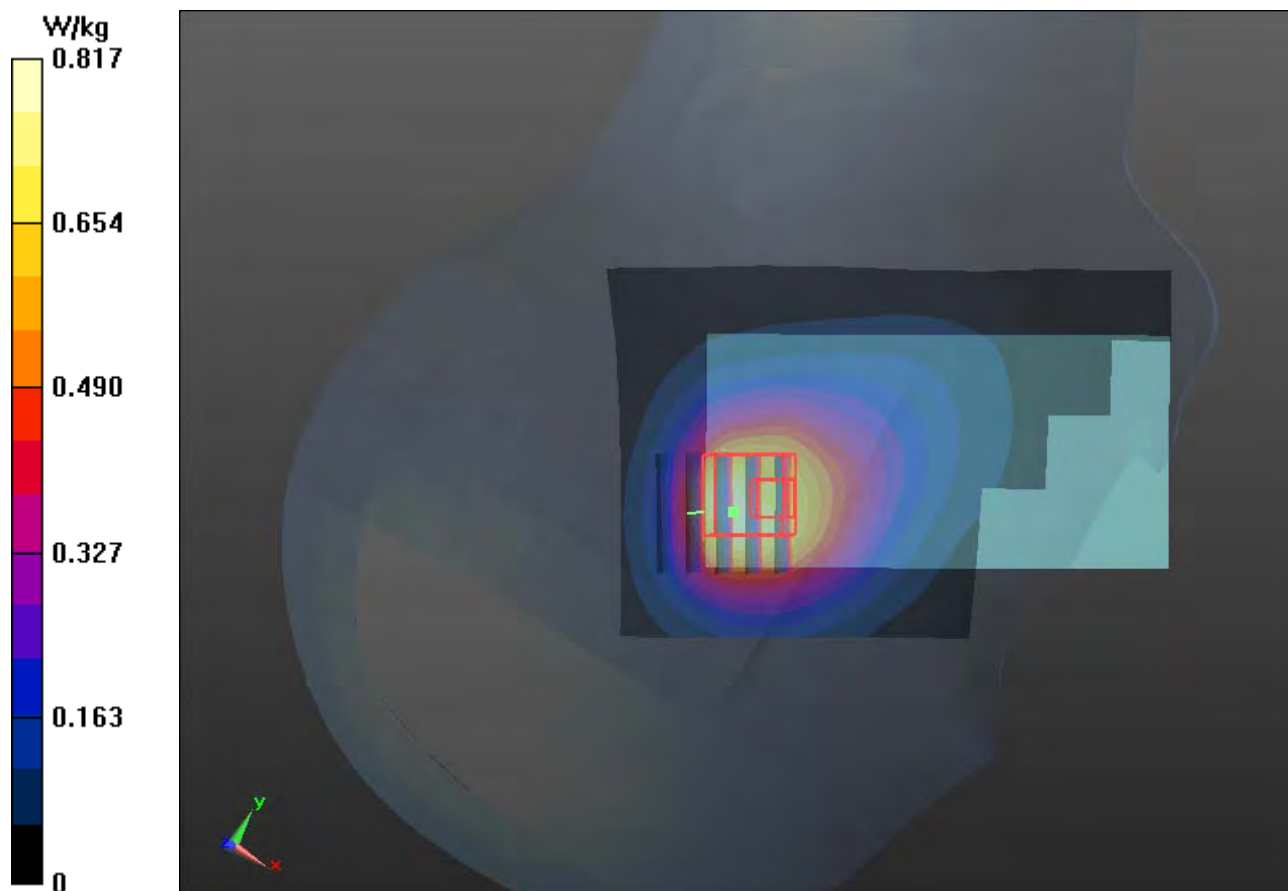
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.767 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.014 mW/g

SAR(1 g) = 0.542 mW/g; SAR(10 g) = 0.346 mW/g

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



P268 LTE5_QPSK_10M_Left Cheek_Ch20450_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.642 W/kg

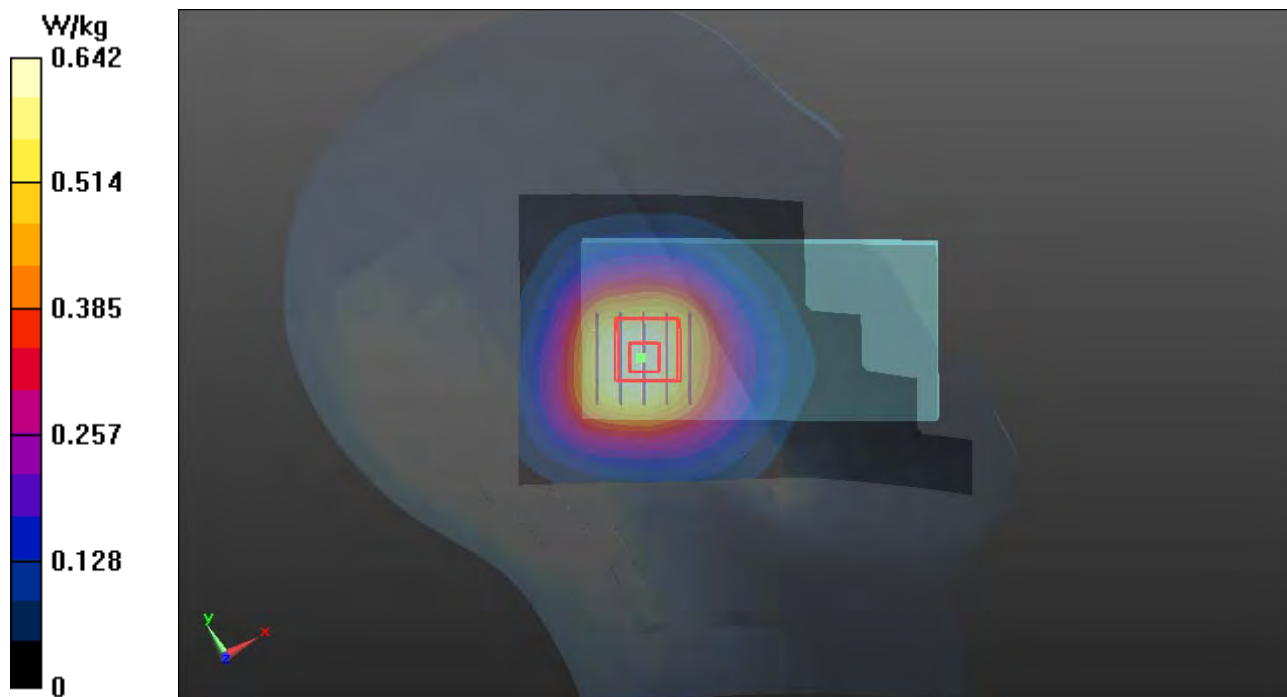
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.928 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.721 mW/g

SAR(1 g) = 0.534 mW/g; SAR(10 g) = 0.382 mW/g

Maximum value of SAR (measured) = 0.643 W/kg



P269 LTE5_QPSK_10M_Left Tilted_Ch20450_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.518 W/kg

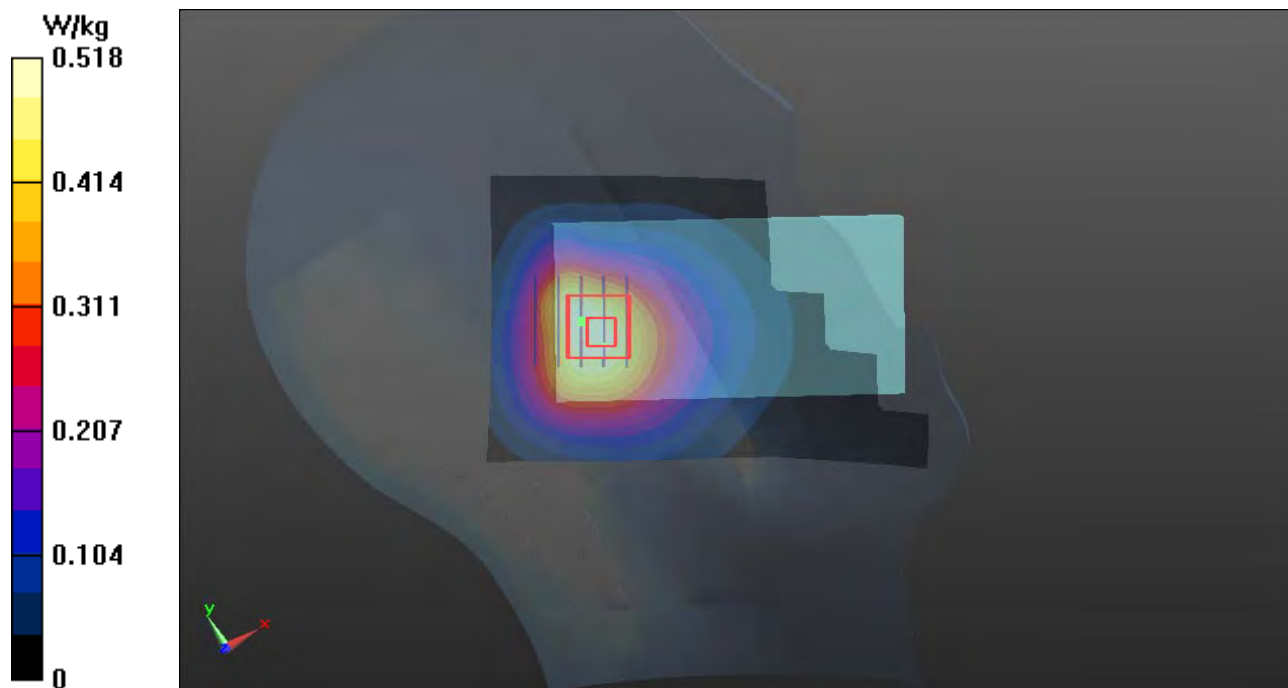
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.668 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.580 mW/g

SAR(1 g) = 0.406 mW/g; SAR(10 g) = 0.276 mW/g

Maximum value of SAR (measured) = 0.501 W/kg



P270 LTE5_QPSK_10M_Right Cheek_Ch20450_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

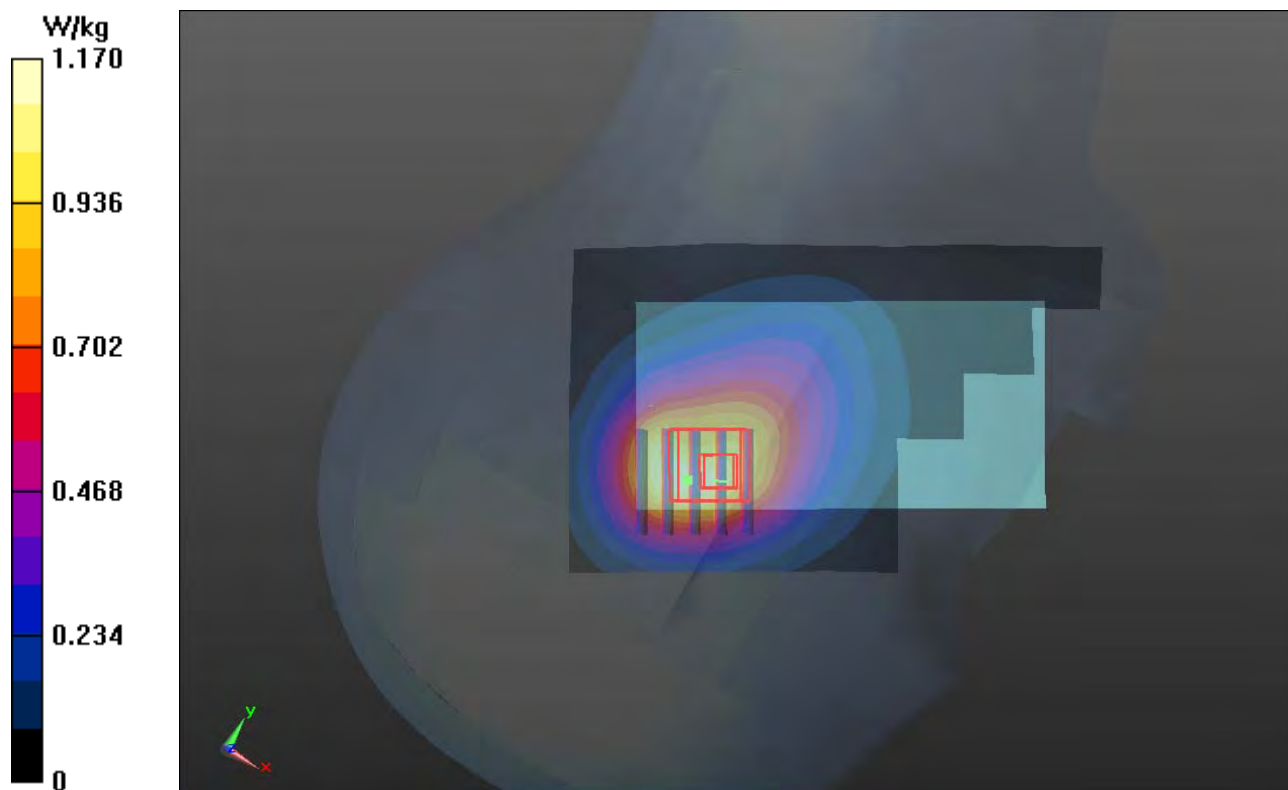
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.268 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.342 mW/g

SAR(1 g) = 0.878 mW/g; SAR(10 g) = 0.568 mW/g

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



P271 LTE5_QPSK_10M_Right Tilted_Ch20450_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

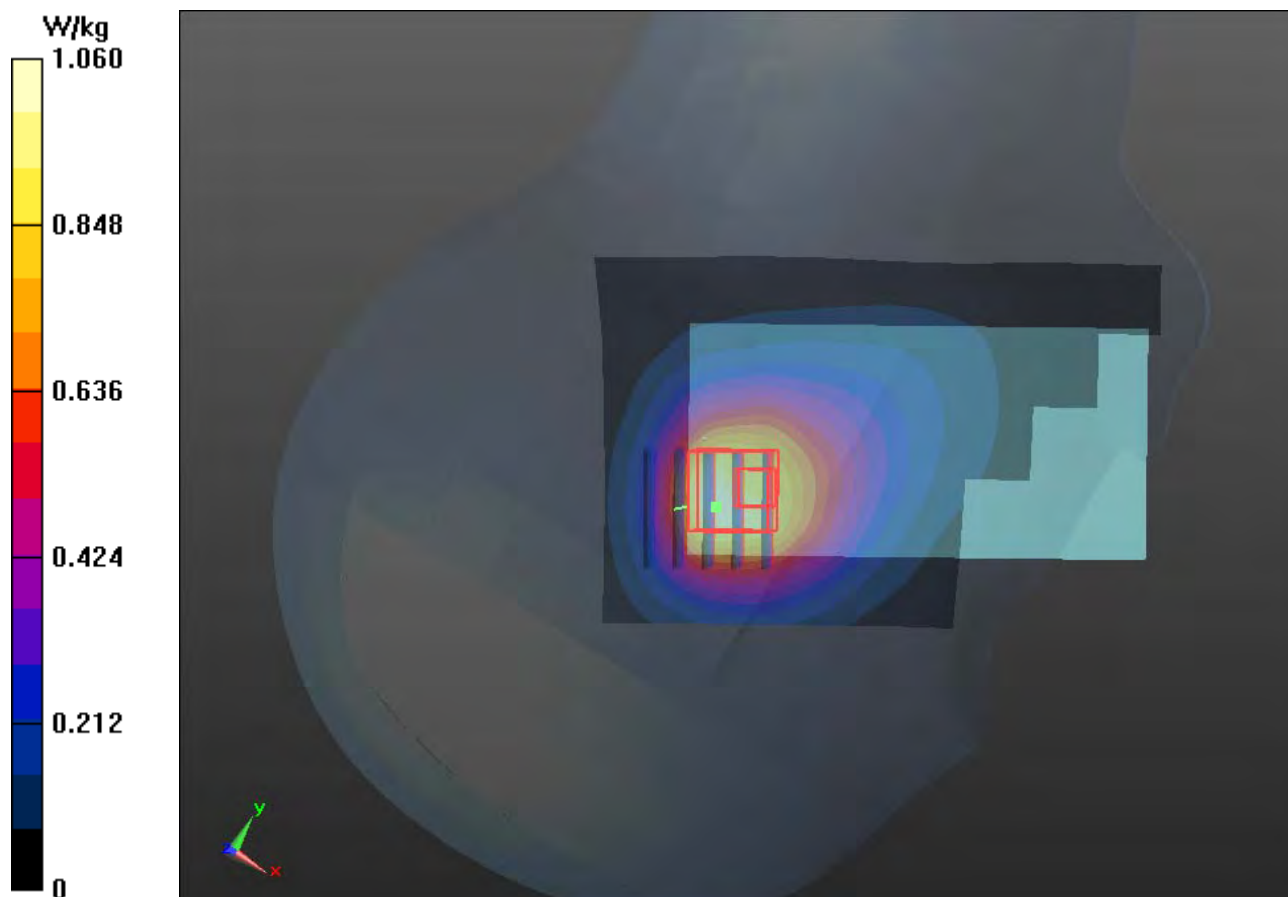
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.977 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.336 mW/g

SAR(1 g) = 0.710 mW/g; SAR(10 g) = 0.456 mW/g

Maximum value of SAR (measured) = 0.945 W/kg



P272 LTE5_QPSK_10M_Left Cheek_Ch20450_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.838 W/kg

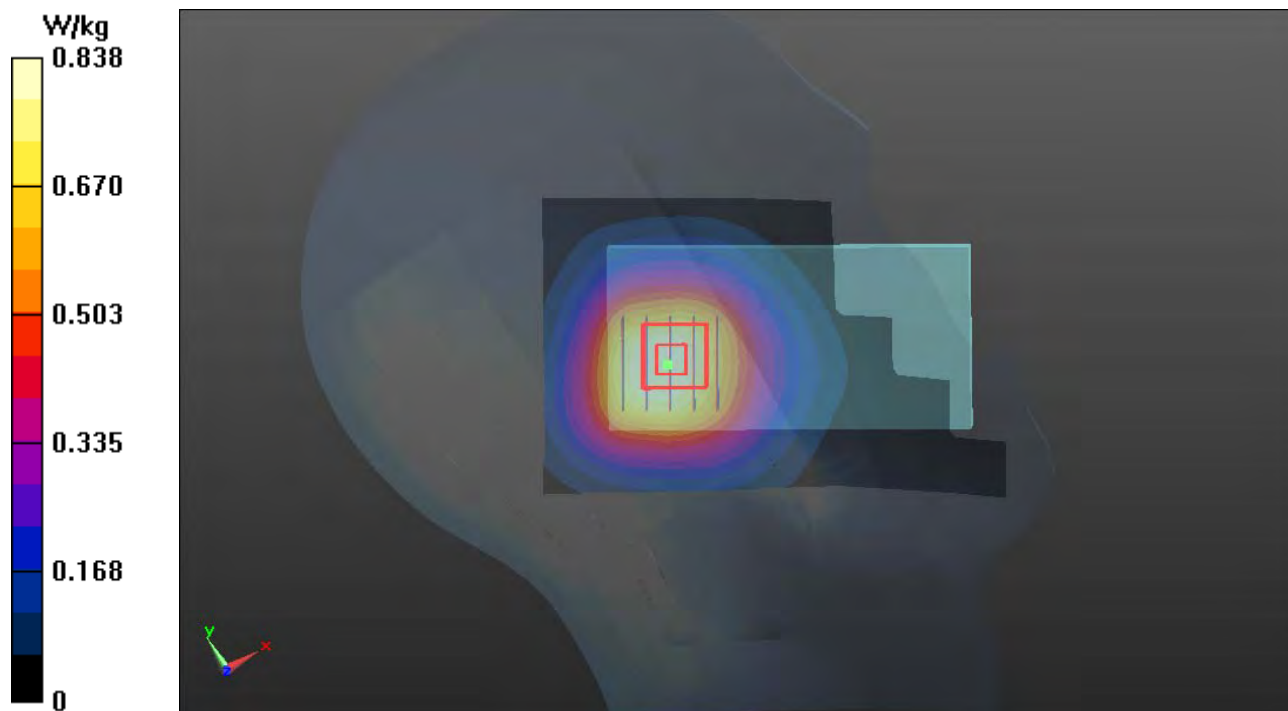
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.281 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.946 mW/g

SAR(1 g) = 0.702 mW/g; SAR(10 g) = 0.501 mW/g

Maximum value of SAR (measured) = 0.840 W/kg



P273 LTE5_QPSK_10M_Left Tilted_Ch20450_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.669 W/kg

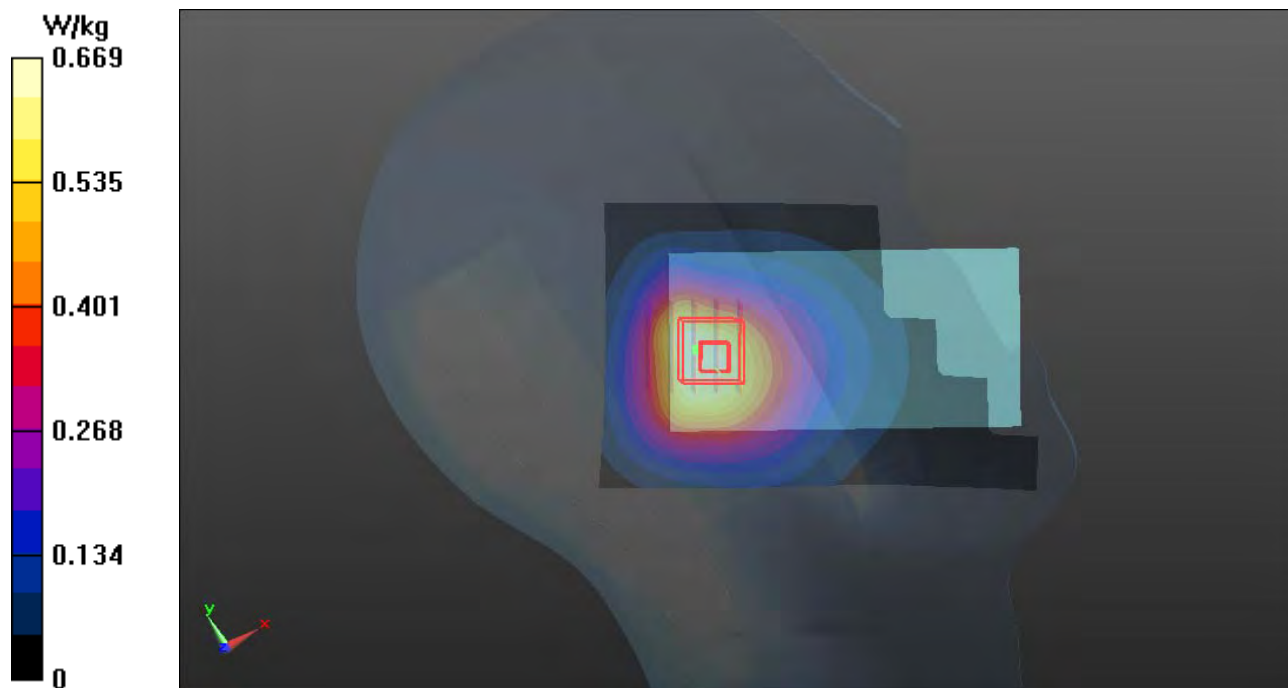
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.542 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.748 mW/g

SAR(1 g) = 0.530 mW/g; SAR(10 g) = 0.362 mW/g

Maximum value of SAR (measured) = 0.637 W/kg



P274 LTE5_QPSK_10M_Right Cheek_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

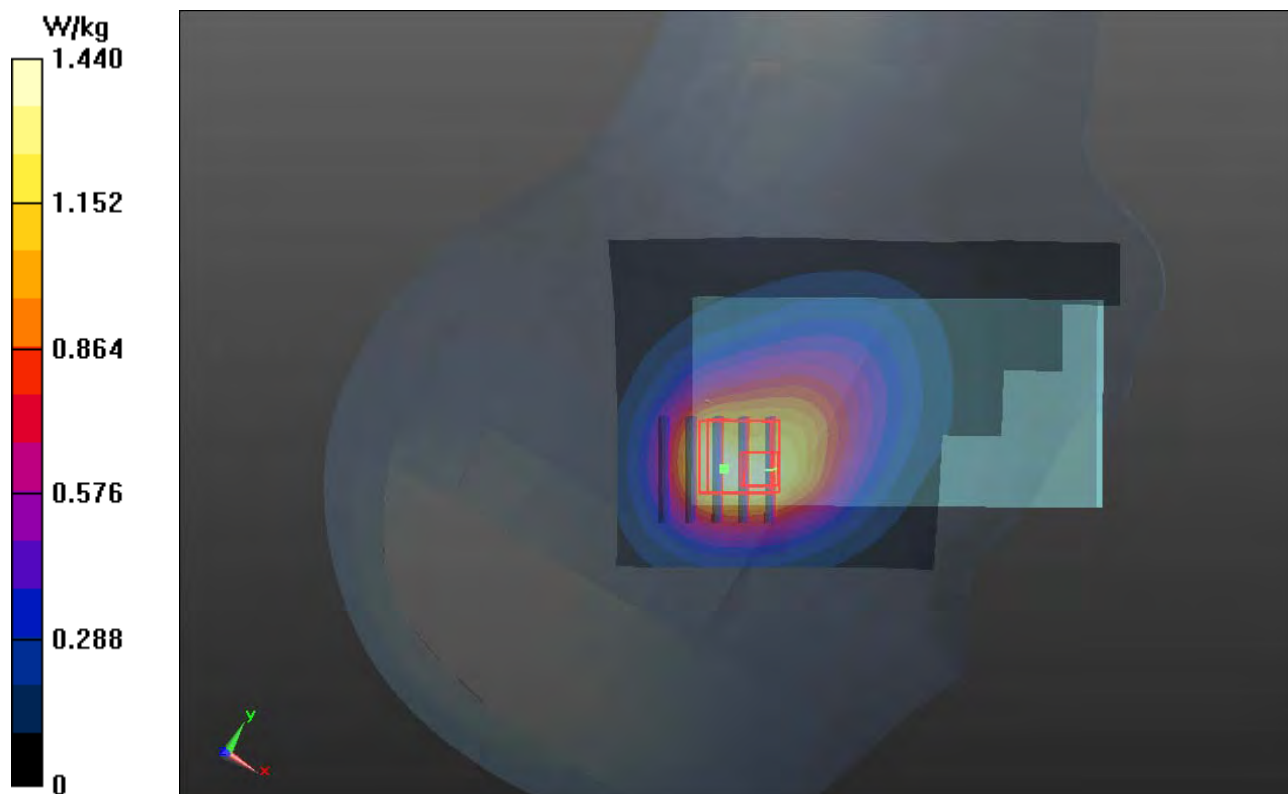
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 29.078 V/m; Power Drift = -0.08 dB

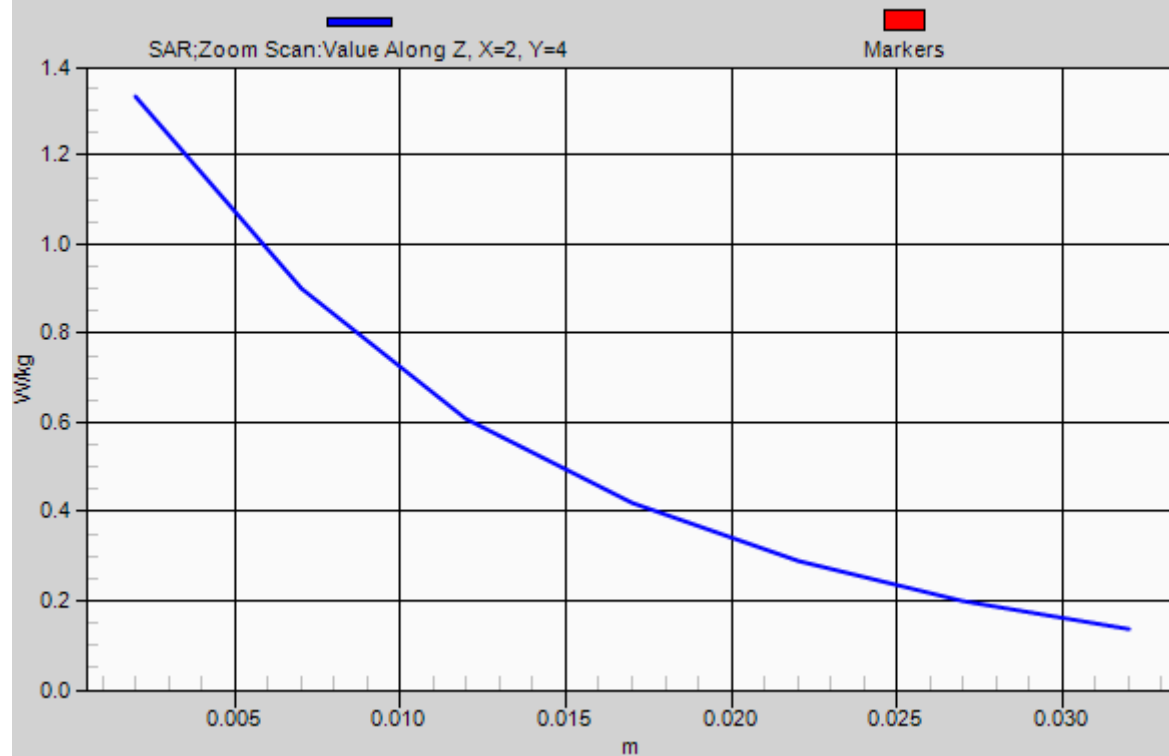
Peak SAR (extrapolated) = 1.594 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.646 mW/g

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



1g/10g Averaged SAR



P275 LTE5_QPSK_10M_Right Tilted_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

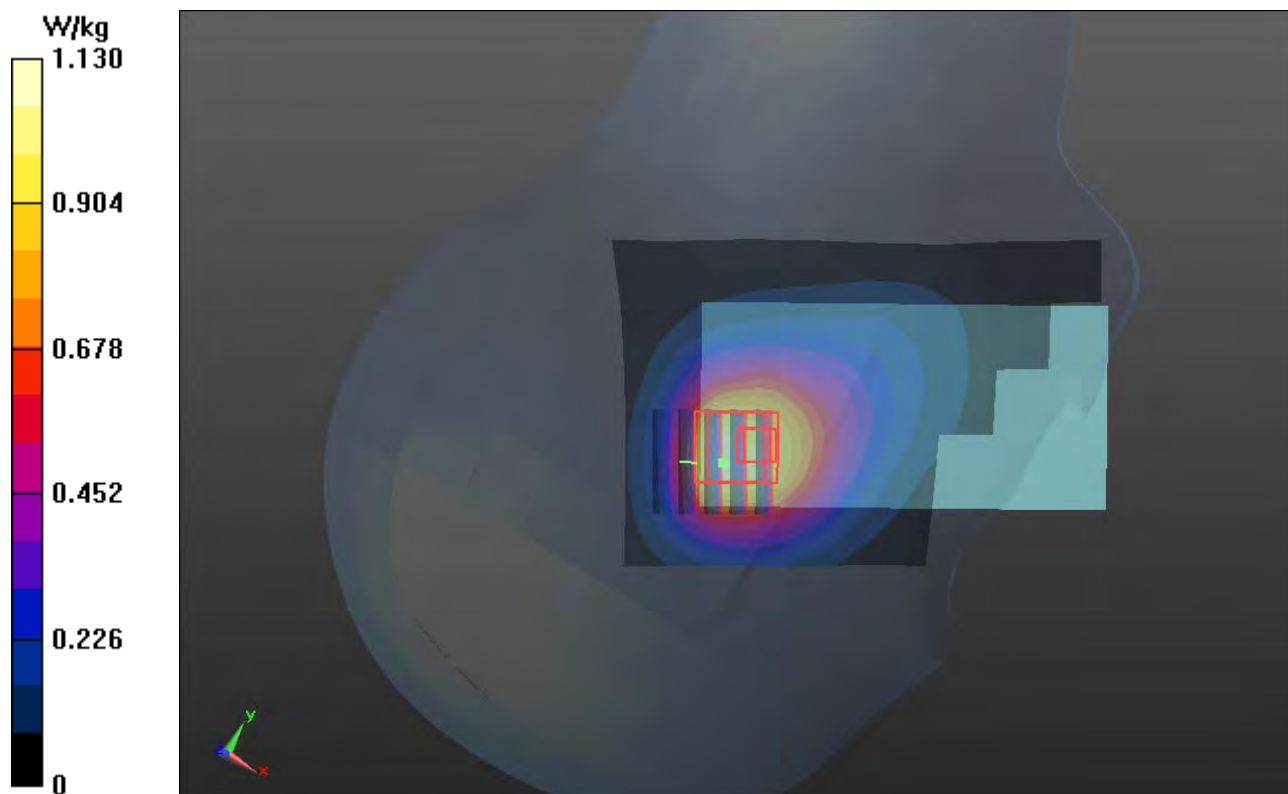
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.939 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 1.415 mW/g

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.490 mW/g

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



P276 LTE5_QPSK_10M_Left Cheek_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.932 W/kg

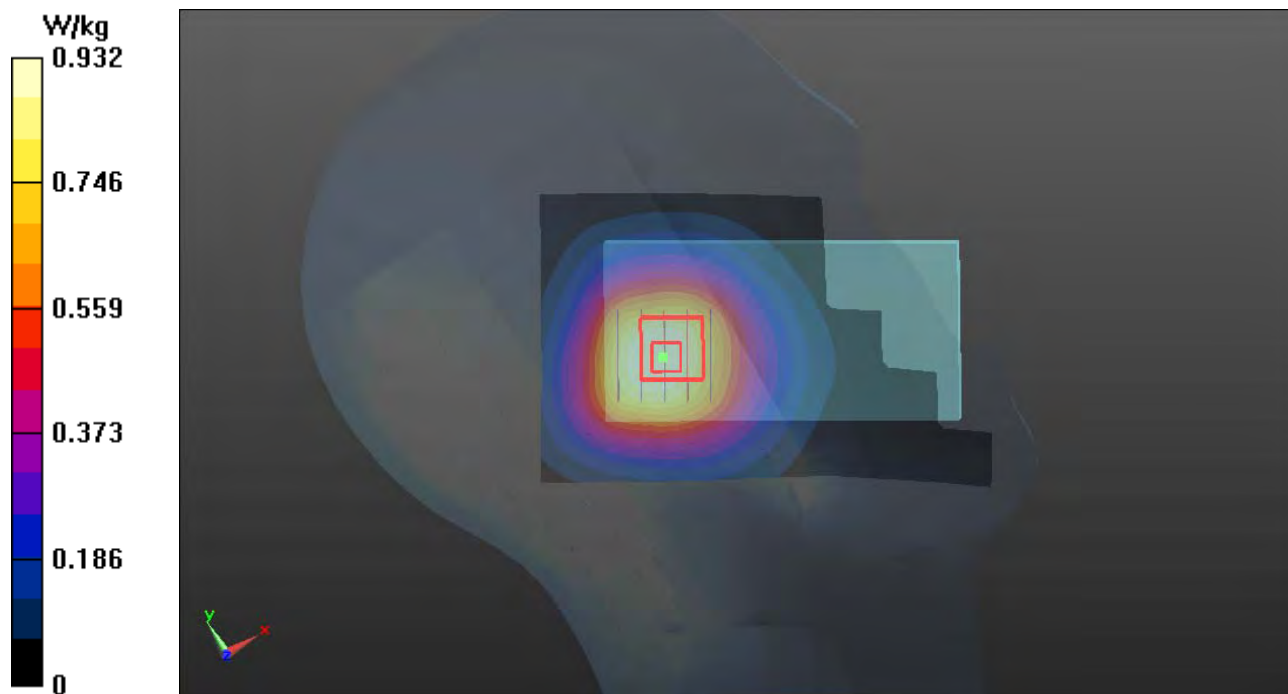
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.618 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.048 mW/g

SAR(1 g) = 0.776 mW/g; SAR(10 g) = 0.553 mW/g

Maximum value of SAR (measured) = 0.936 W/kg



P277 LTE5_QPSK_10M_Left Tilted_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz;Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.729 W/kg

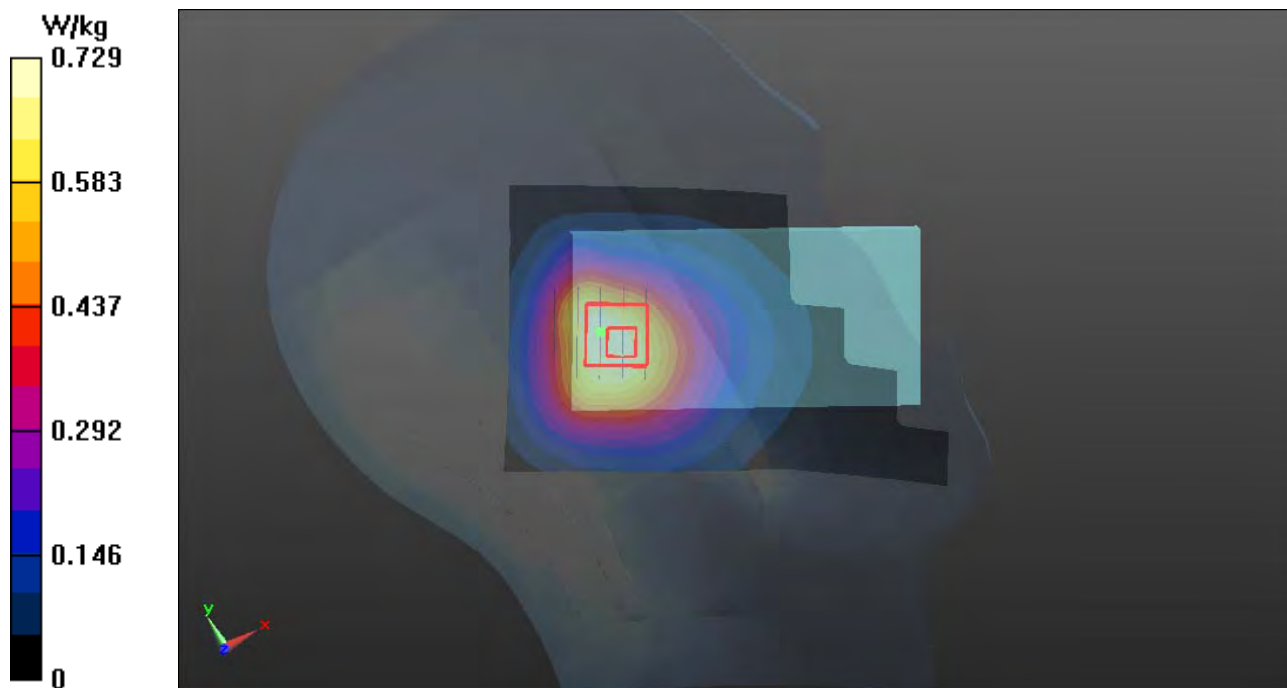
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.826 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.830 mW/g

SAR(1 g) = 0.583 mW/g; SAR(10 g) = 0.397 mW/g

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



P278 LTE5_16QAM_10M_Right Cheek_Ch20450_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz;Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

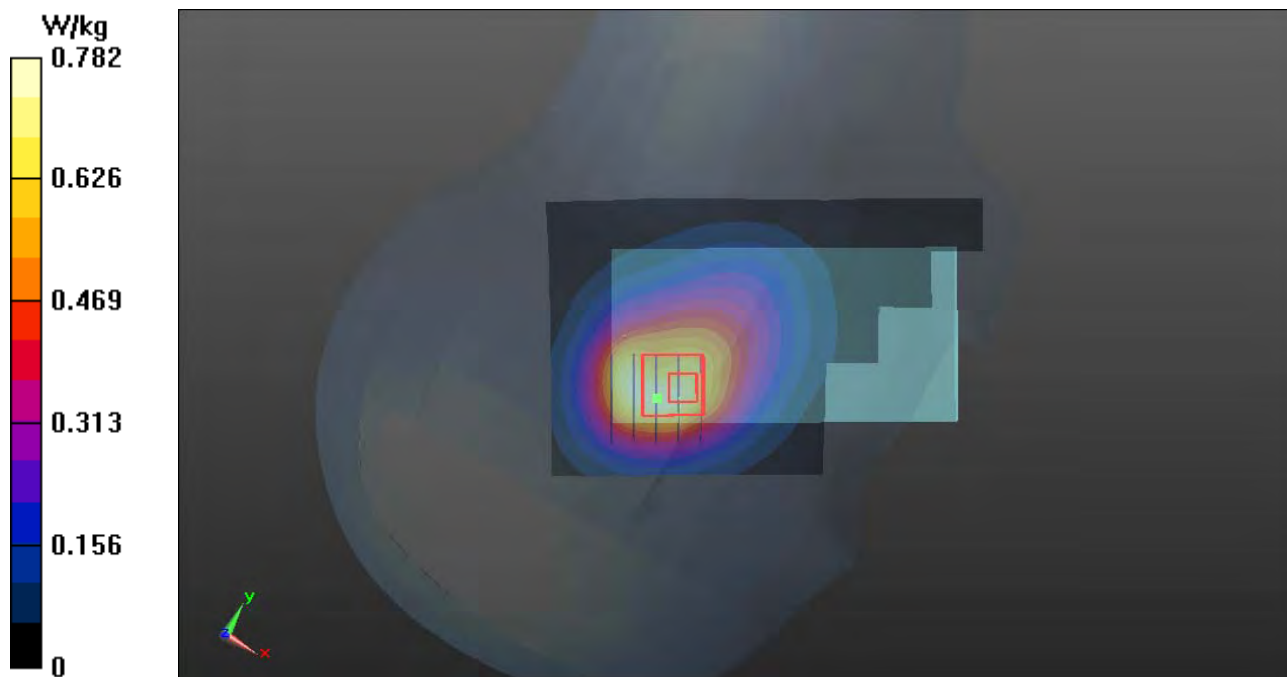
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.135 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.920 mW/g

SAR(1 g) = 0.587 mW/g; SAR(10 g) = 0.384 mW/g

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



P1185 LTE 5_16QAM_10M_Right Tilted_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.628 W/kg

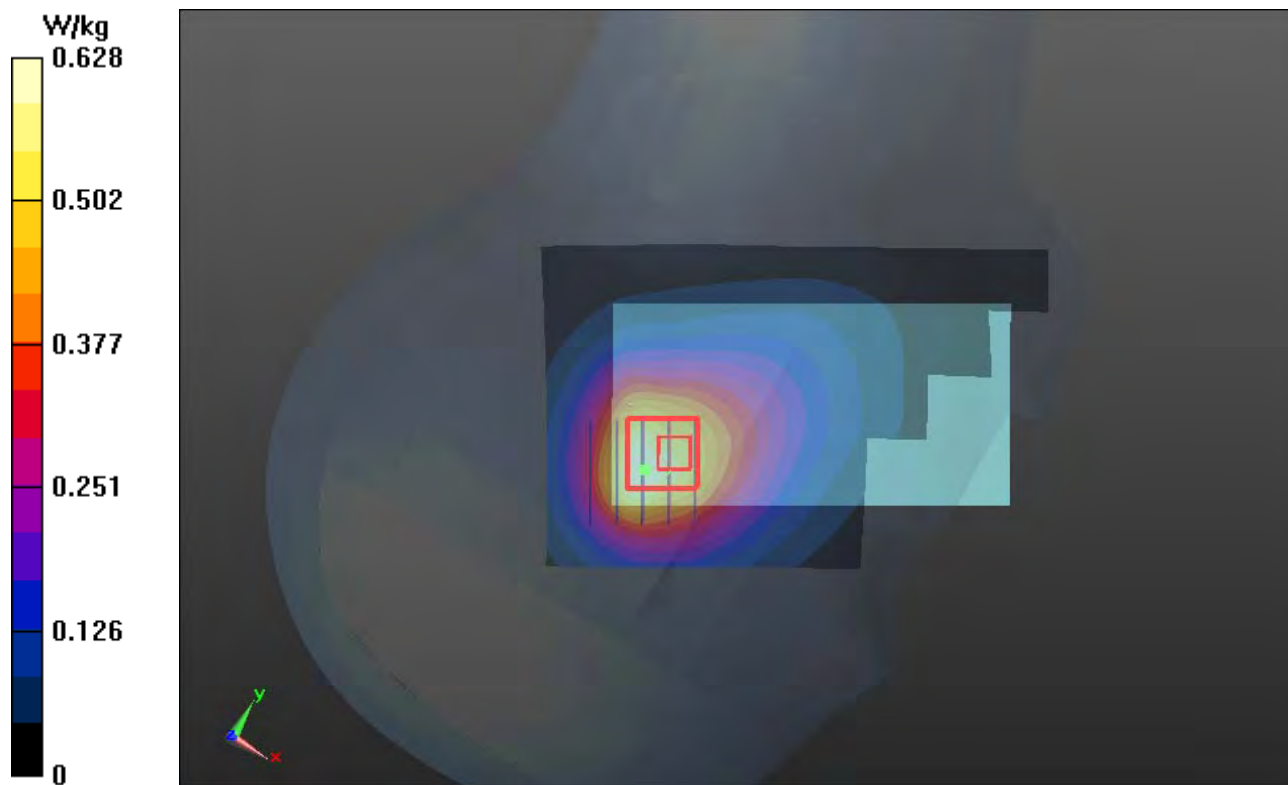
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.456 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.646 mW/g

SAR(1 g) = 0.431 mW/g; SAR(10 g) = 0.293 mW/g

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



P1167 LTE 5_16QAM_10M_Left Cheek_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.622 W/kg

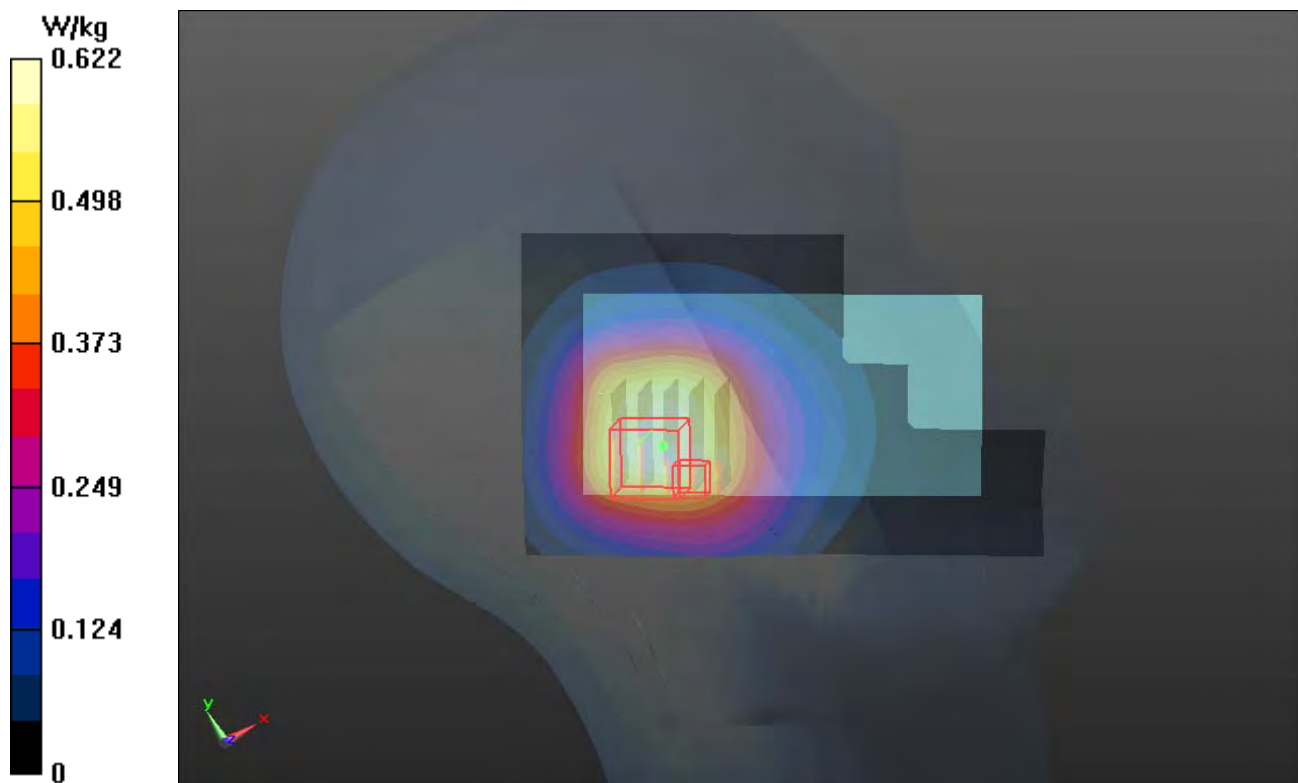
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.699 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.508 mW/g

SAR(1 g) = 0.618 mW/g; SAR(10 g) = 0.246 mW/g

Maximum value of SAR (measured) = 0.574 W/kg



P1168 LTE 5_16QAM_10M_Left Tilted_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.586 W/kg

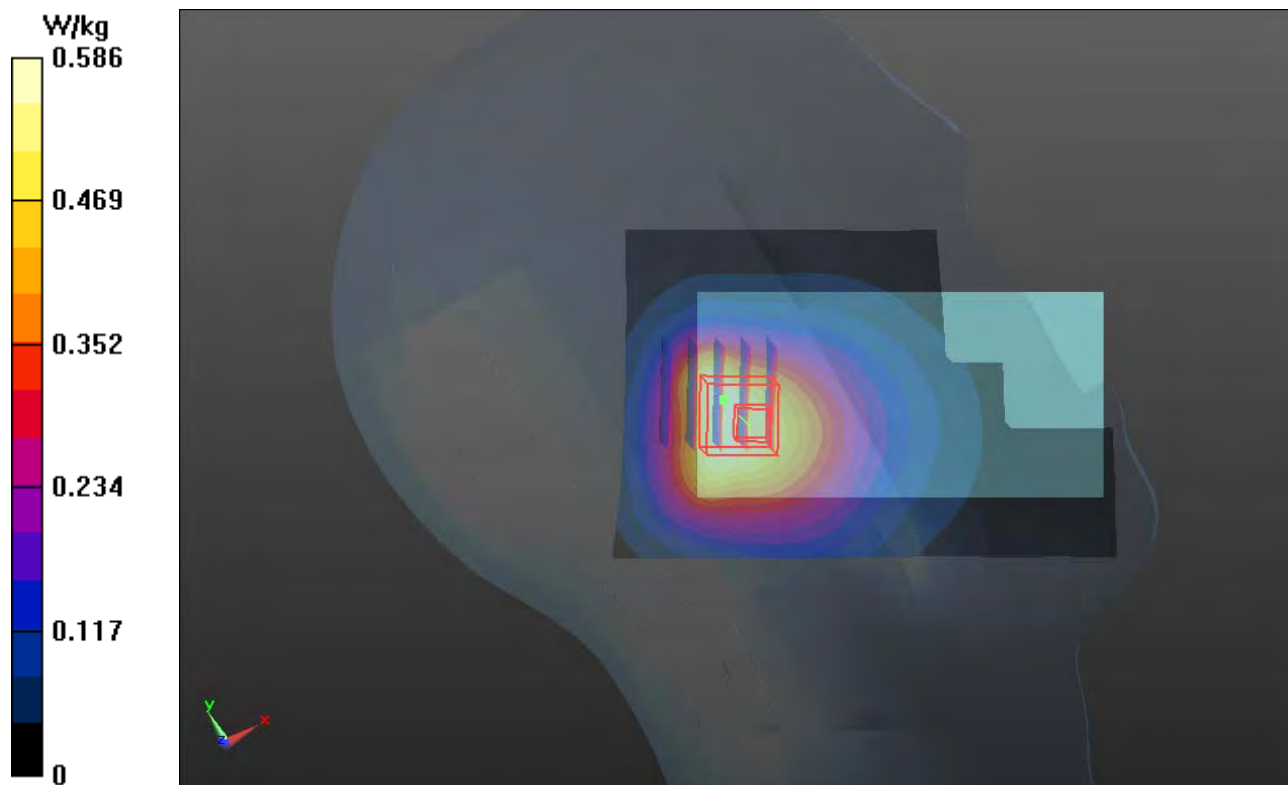
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.268 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.612 mW/g

SAR(1 g) = 0.438 mW/g; SAR(10 g) = 0.301 mW/g

Maximum value of SAR (measured) = 0.533 W/kg



P279 LTE5_16QAM_10M_Right Cheek_Ch20450_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

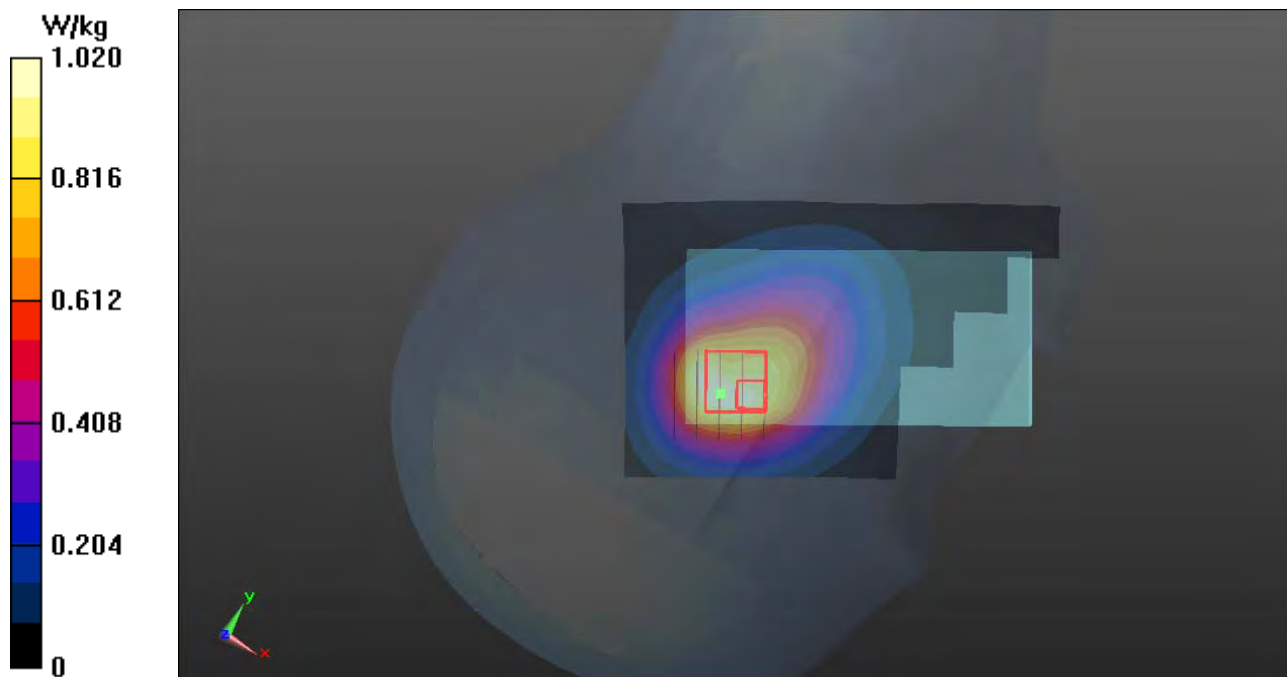
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.369 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.186 mW/g

SAR(1 g) = 0.767 mW/g; SAR(10 g) = 0.489 mW/g

Maximum value of SAR (measured) = 0.968 W/kg



P1186 LTE 5_16QAM_10M_Right Tilted_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.806 W/kg

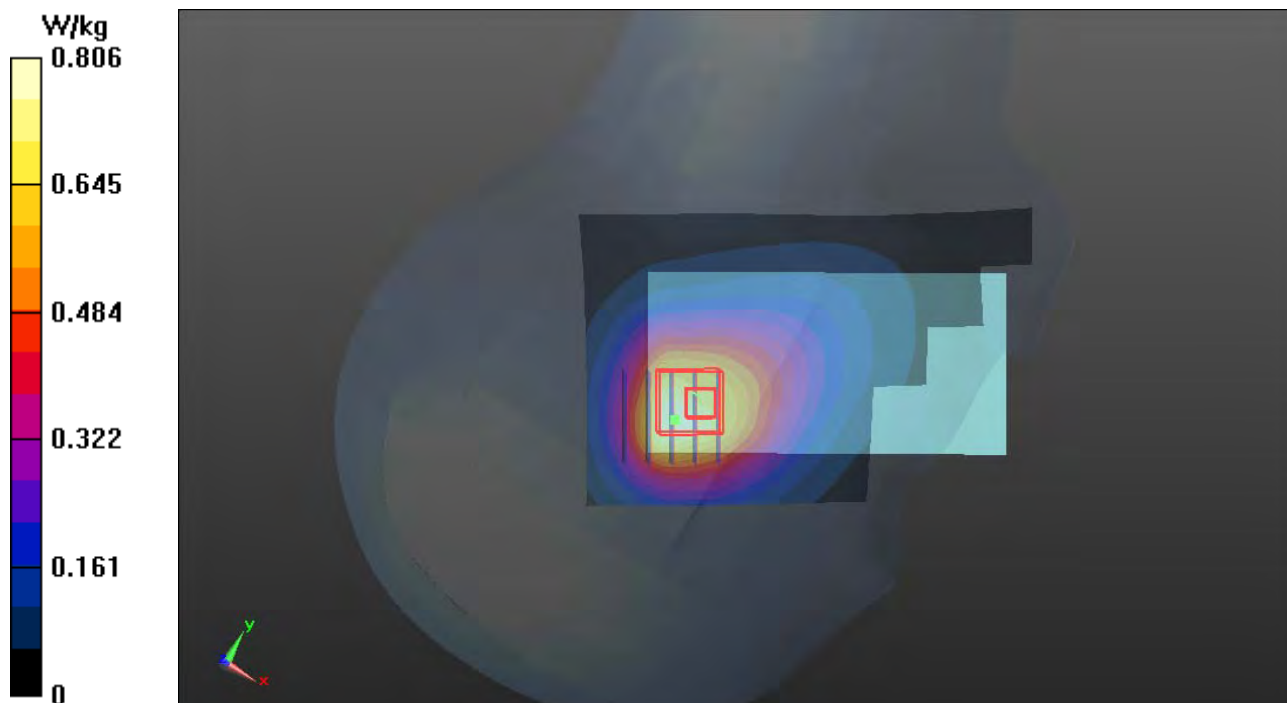
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.730 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.852 mW/g

SAR(1 g) = 0.571 mW/g; SAR(10 g) = 0.382 mW/g

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



P1170 LTE 5_16QAM_10M_Left Cheek_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.821 W/kg

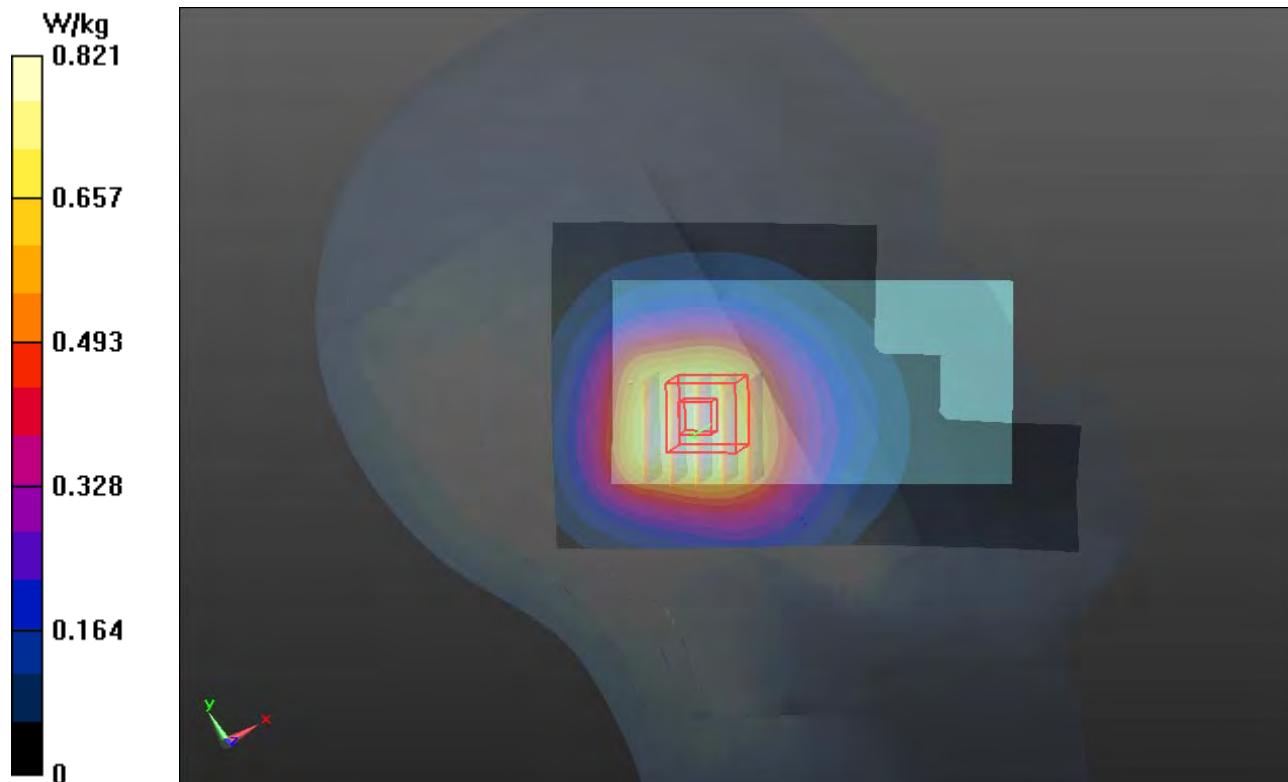
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.002 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.895 mW/g

SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.495 mW/g

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



P1171 LTE 5_16QAM_10M_Left Tilted_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.767 W/kg

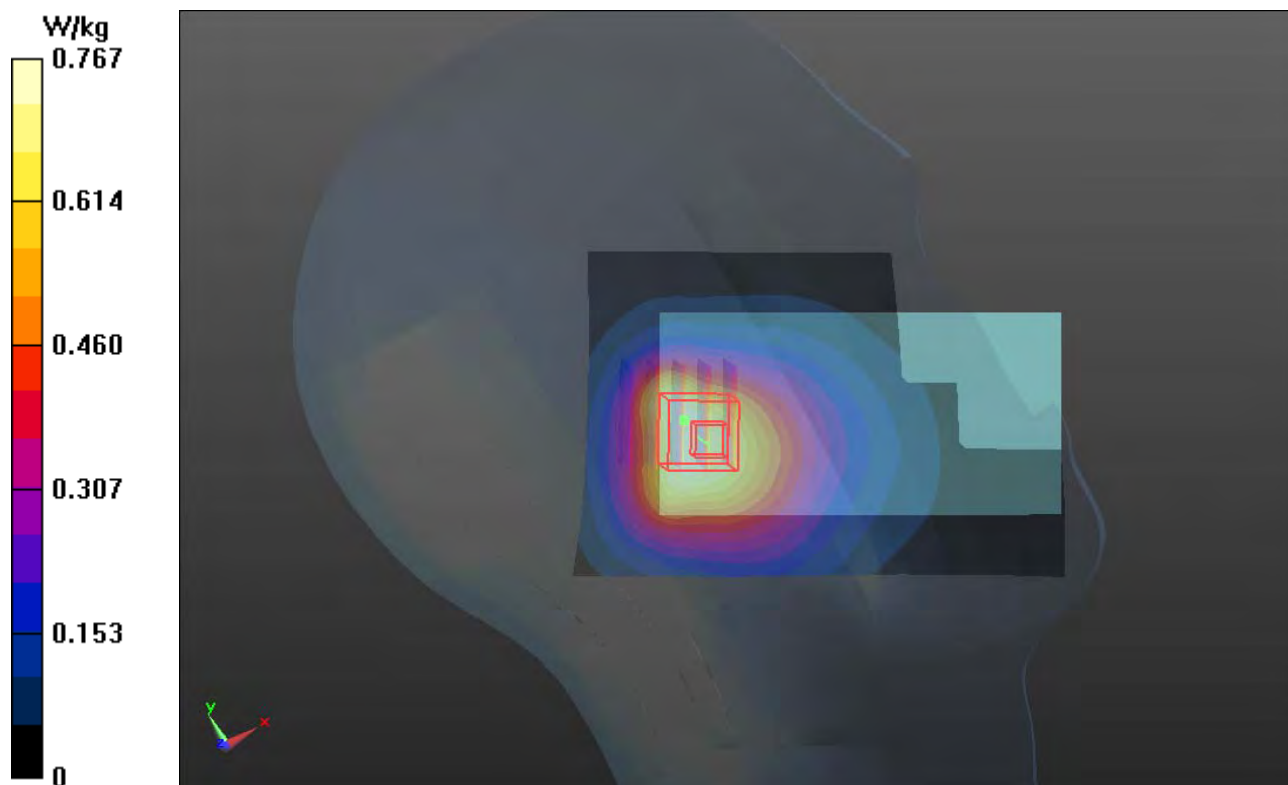
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.085 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.791 mW/g

SAR(1 g) = 0.572 mW/g; SAR(10 g) = 0.396 mW/g

Maximum value of SAR (measured) = 0.686 W/kg



P280 LTE5_16QAM_10M_Right Cheek_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0903 Medium parameters used: $f = 829$ MHz; $\sigma = 0.911$ mho/m; $\epsilon_r = 42.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

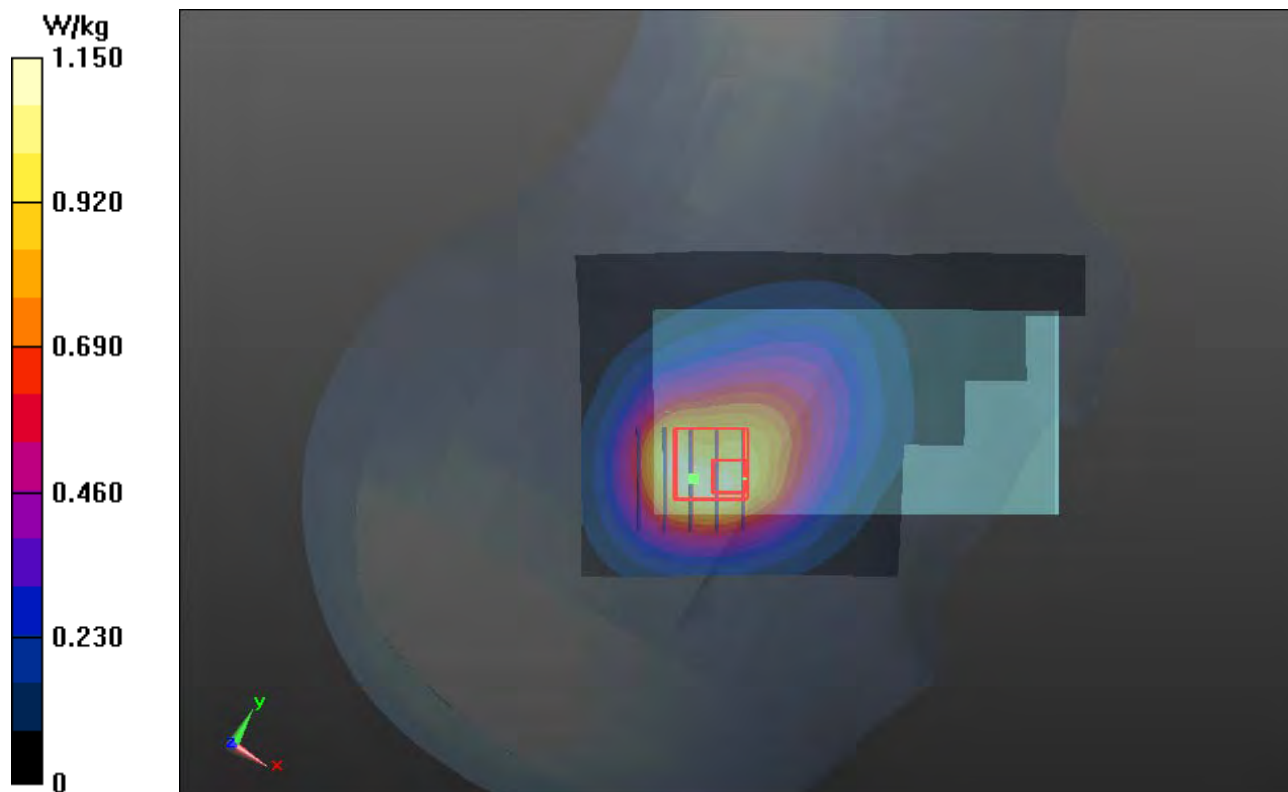
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 26.014 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.303 mW/g

SAR(1 g) = 0.847 mW/g; SAR(10 g) = 0.538 mW/g

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



P1187 LTE 5_16QAM_10M_Right Tilted_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.888 W/kg

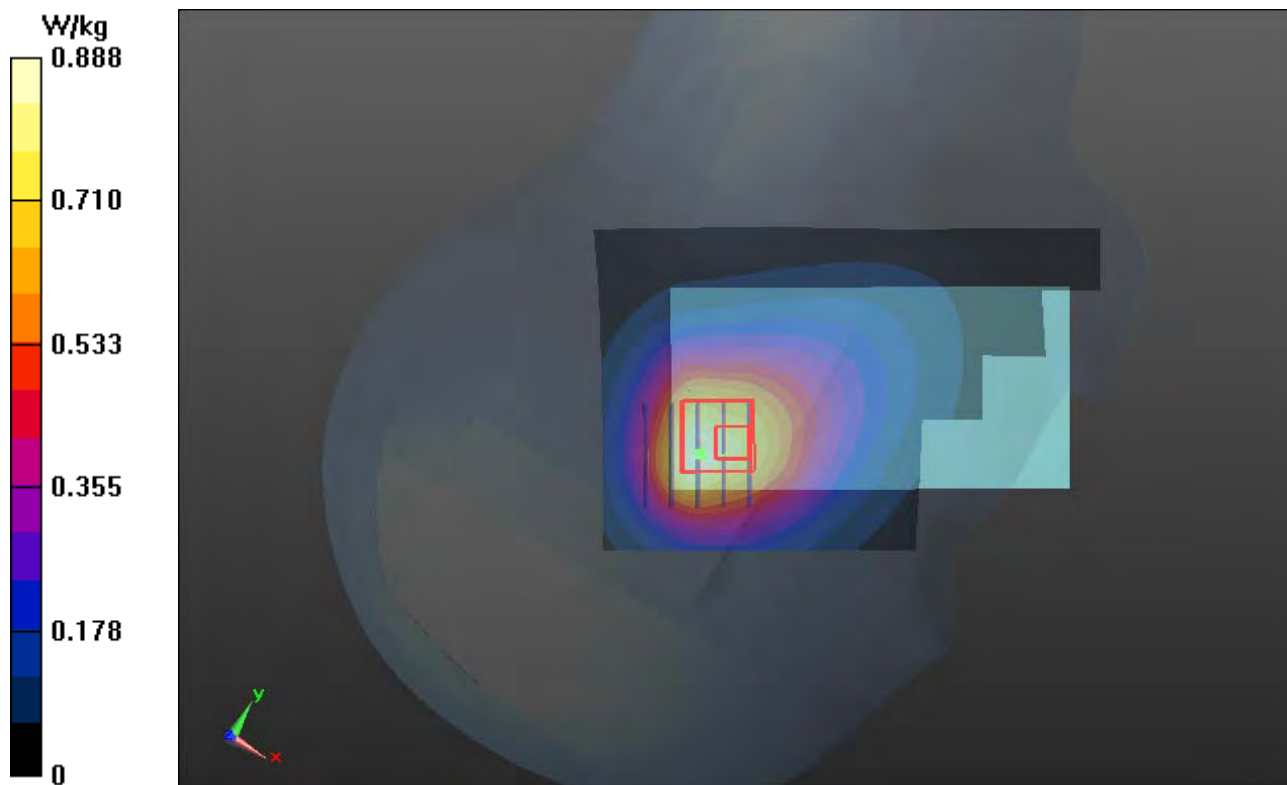
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 25.584 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.921 mW/g

SAR(1 g) = 0.606 mW/g; SAR(10 g) = 0.406 mW/g

Maximum value of SAR (measured) = 0.761 W/kg



P1173 LTE 5_16QAM_10M_Left Cheek_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.916 W/kg

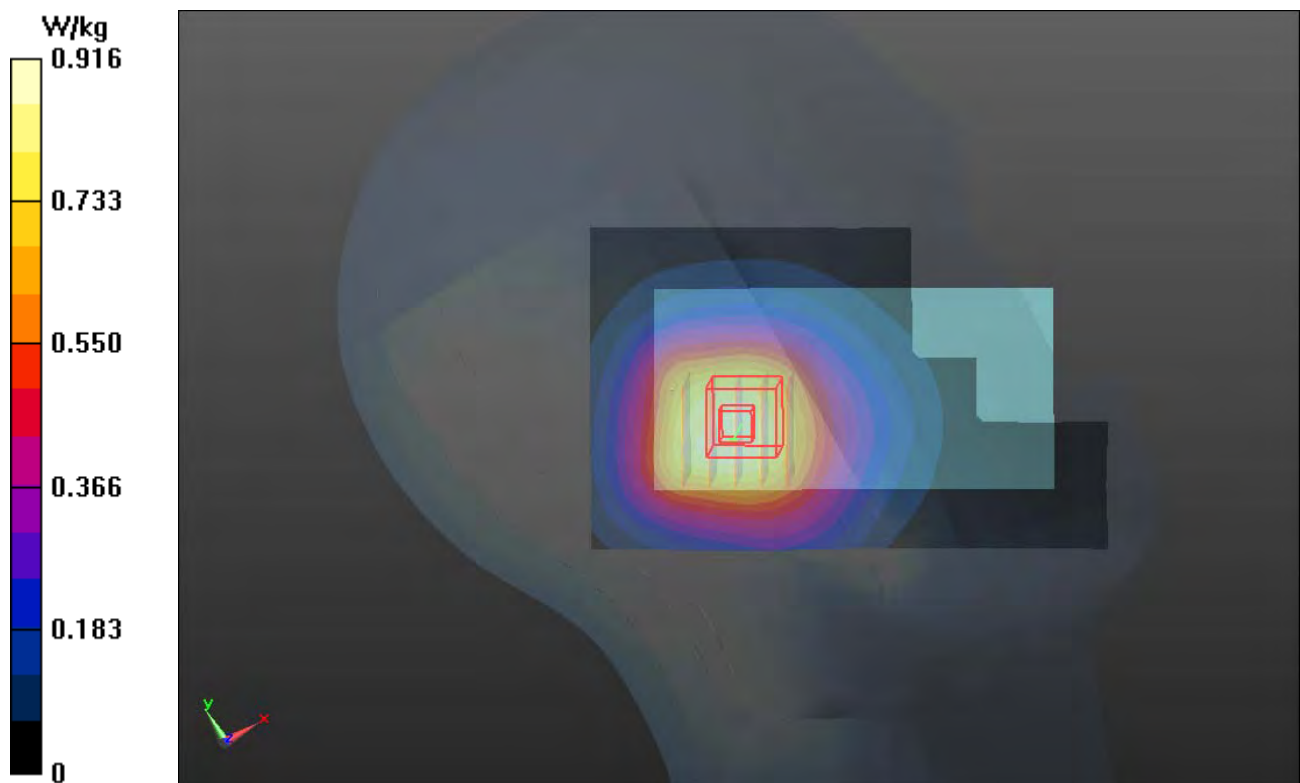
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.299 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.994 mW/g

SAR(1 g) = 0.747 mW/g; SAR(10 g) = 0.540 mW/g

Maximum value of SAR (measured) = 0.879 W/kg



P1174 LTE 5_16QAM_10M_Left Tilted_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.837 W/kg

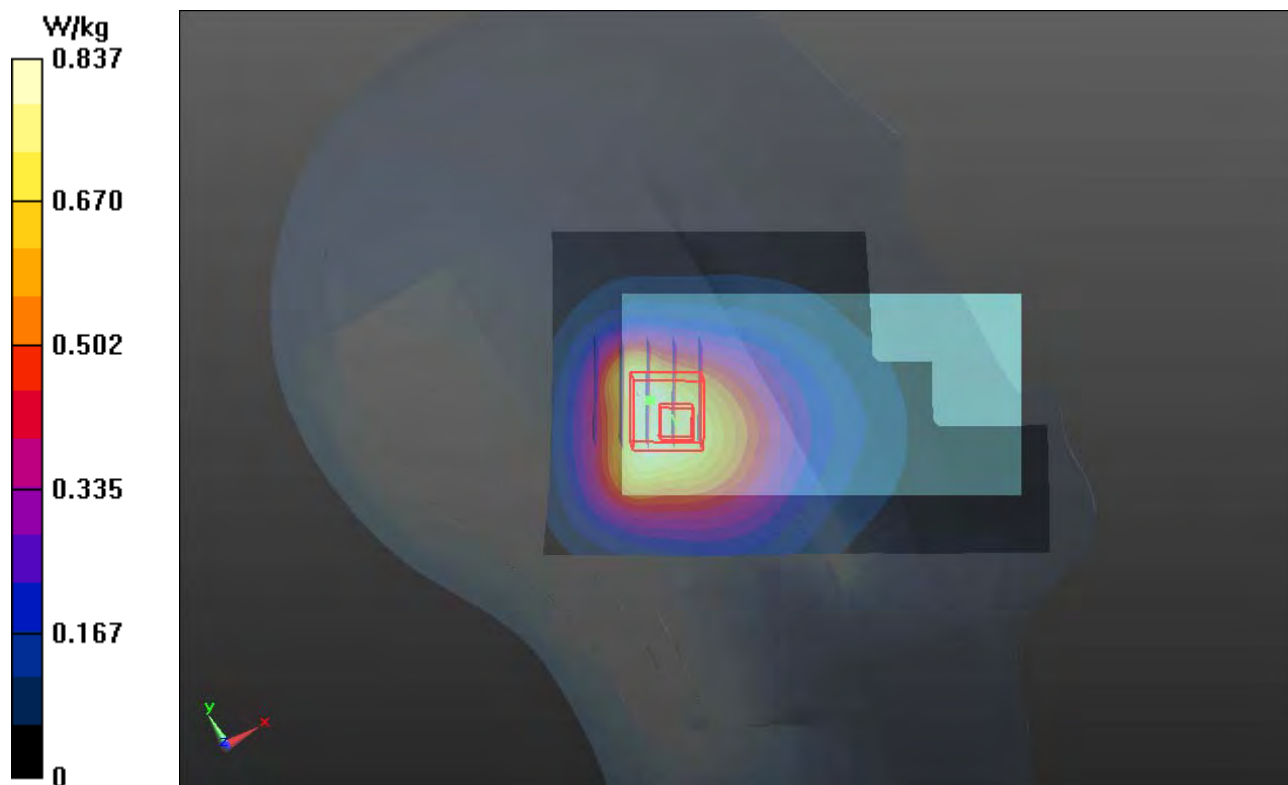
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.732 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.895 mW/g

SAR(1 g) = 0.627 mW/g; SAR(10 g) = 0.428 mW/g

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



P1002 LTE 5_QPSK_10M_Right Cheek_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.465 W/kg

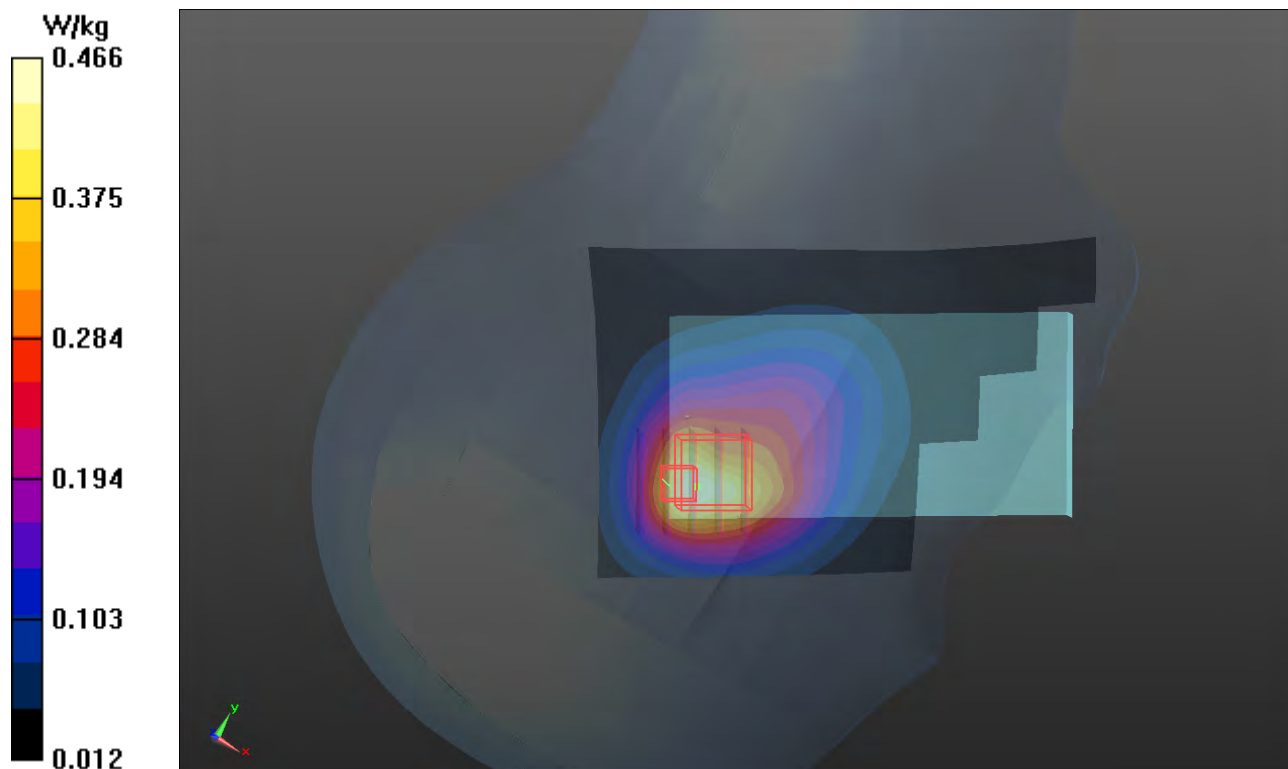
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.620 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.659 mW/g

SAR(1 g) = 0.296 mW/g; SAR(10 g) = 0.192 mW/g

Maximum value of SAR (measured) = 0.466 W/kg



P1003 LTE 5_QPSK_10M_Right Tilted_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.366 W/kg

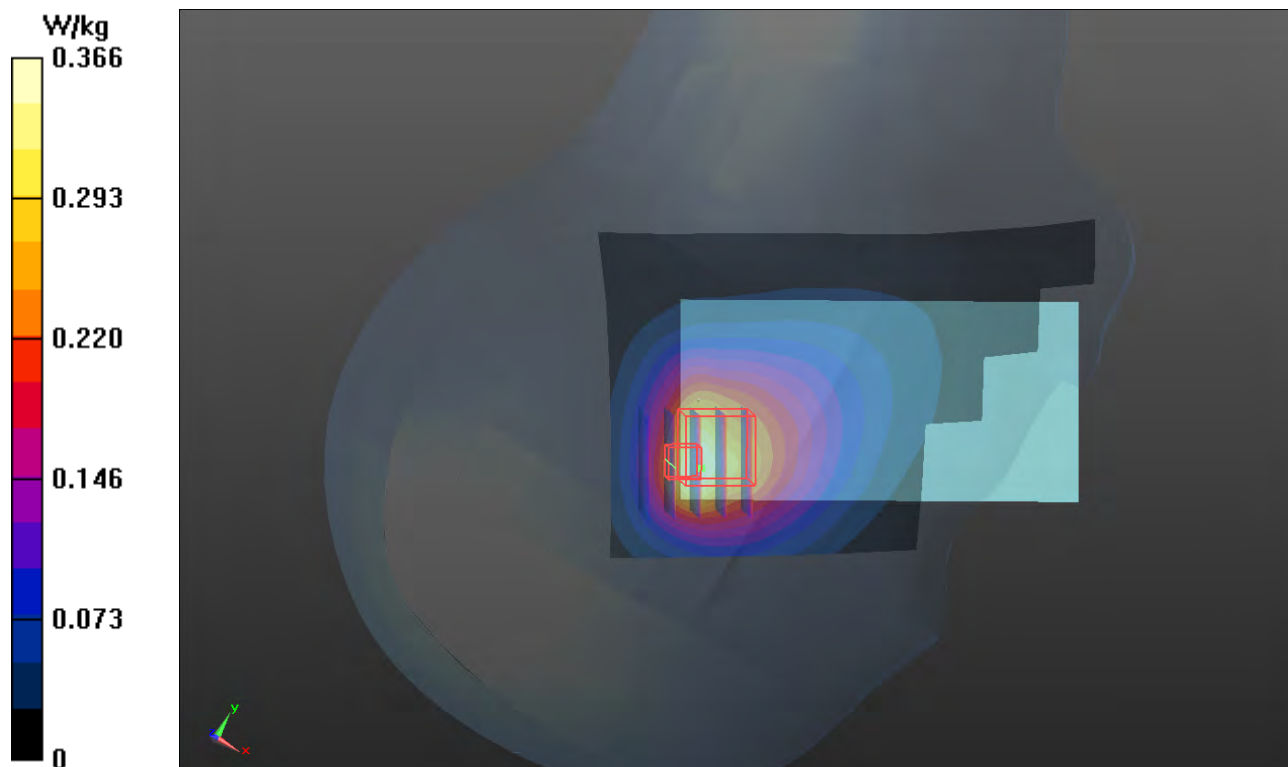
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.854 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.545 mW/g

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.378 W/kg



P1004 LTE 5_QPSK_10M_Left Cheek_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.430 W/kg

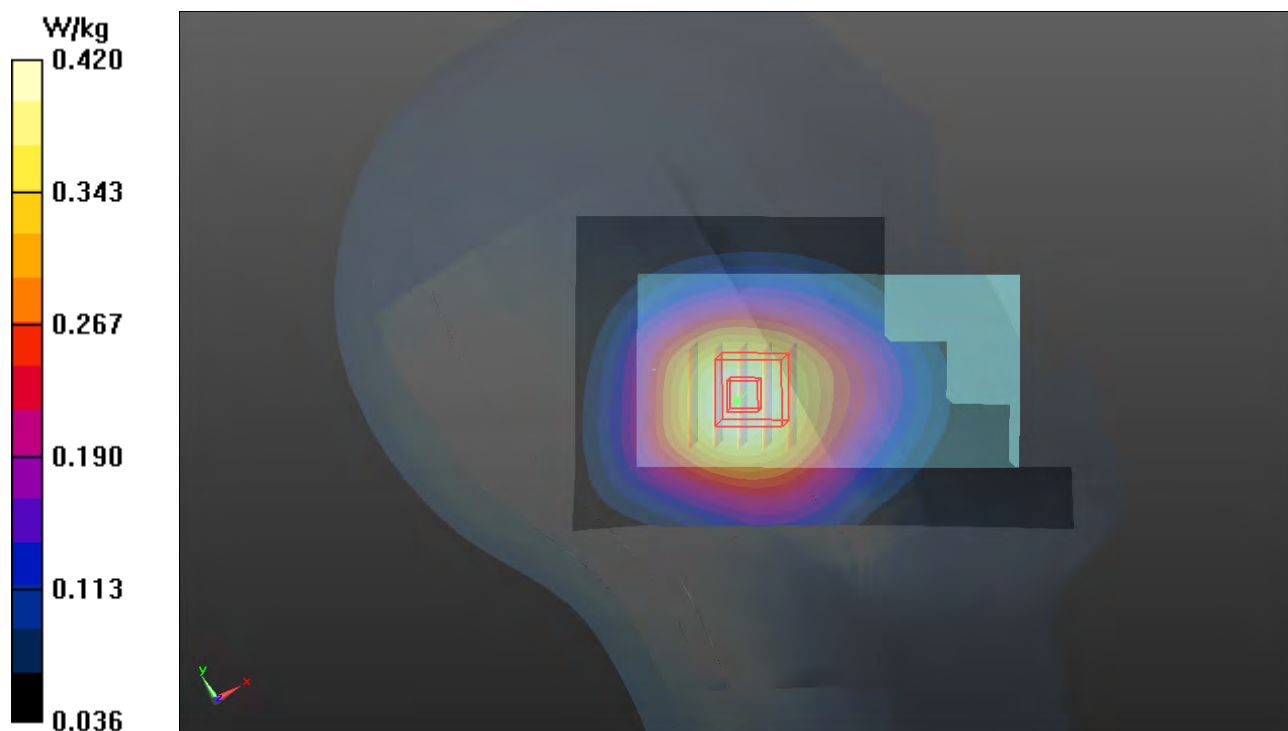
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.320 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.466 mW/g

SAR(1 g) = 0.363 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 0.420 W/kg



P1005 LTE 5_QPSK_10M_Left Tilted_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.318 W/kg

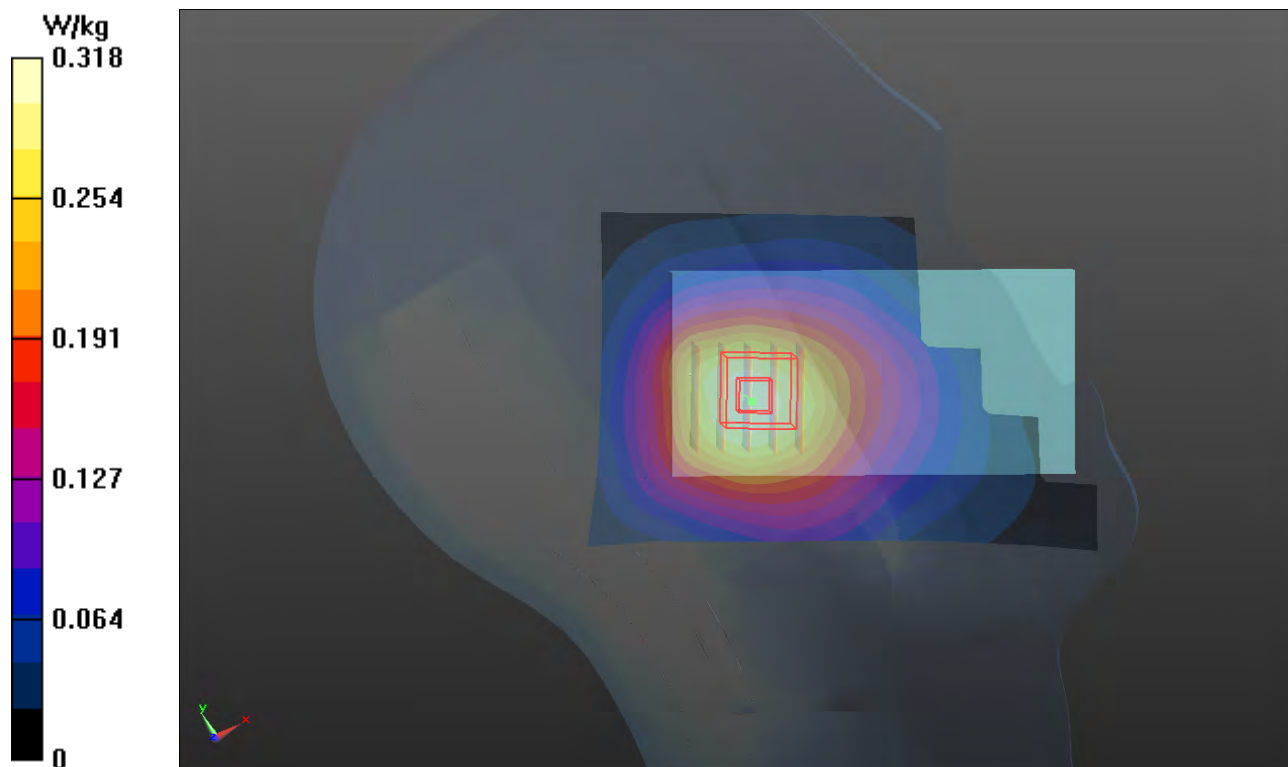
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.907 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.350 mW/g

SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.197 mW/g

Maximum value of SAR (measured) = 0.313 W/kg



P1006 LTE 5_QPSK_10M_Right Cheek_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.501 W/kg

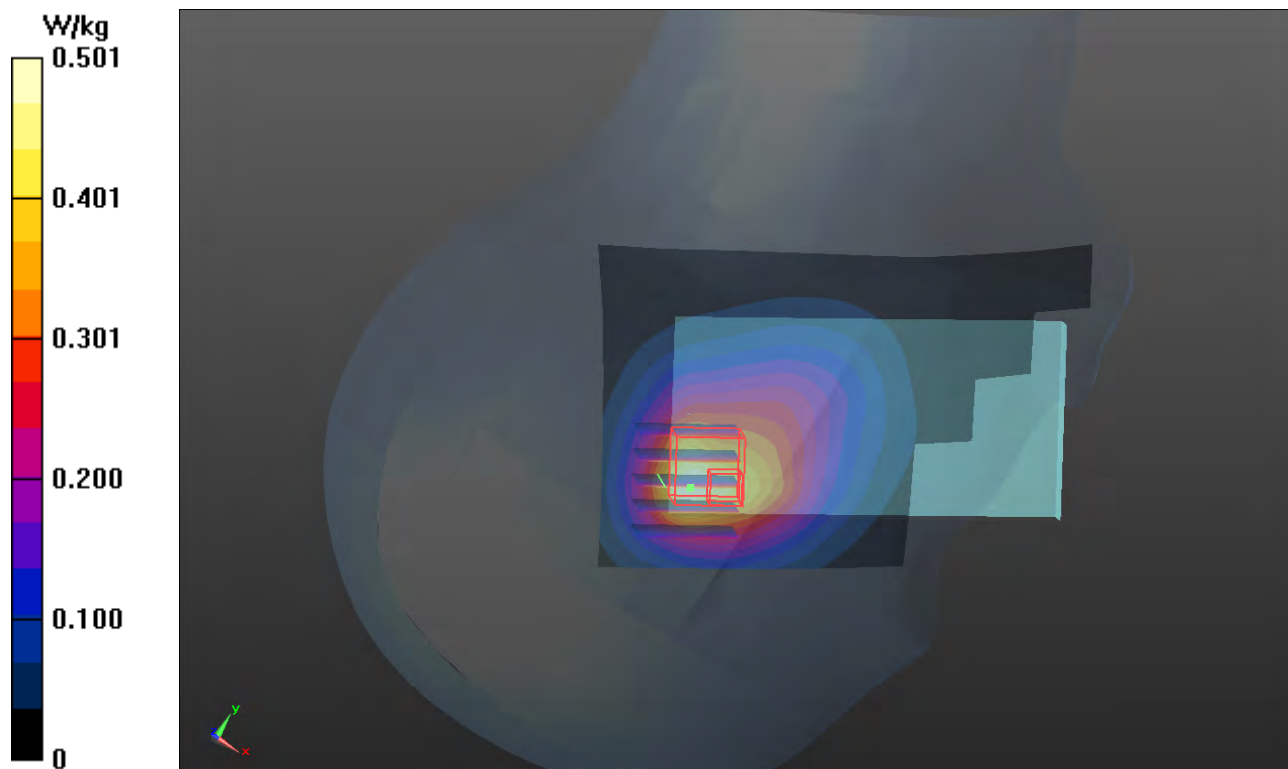
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.986 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.652 mW/g

SAR(1 g) = 0.306 mW/g; SAR(10 g) = 0.199 mW/g

Maximum value of SAR (measured) = 0.446 W/kg



P1007 LTE 5_QPSK_10M_Right Tilted_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.378 W/kg

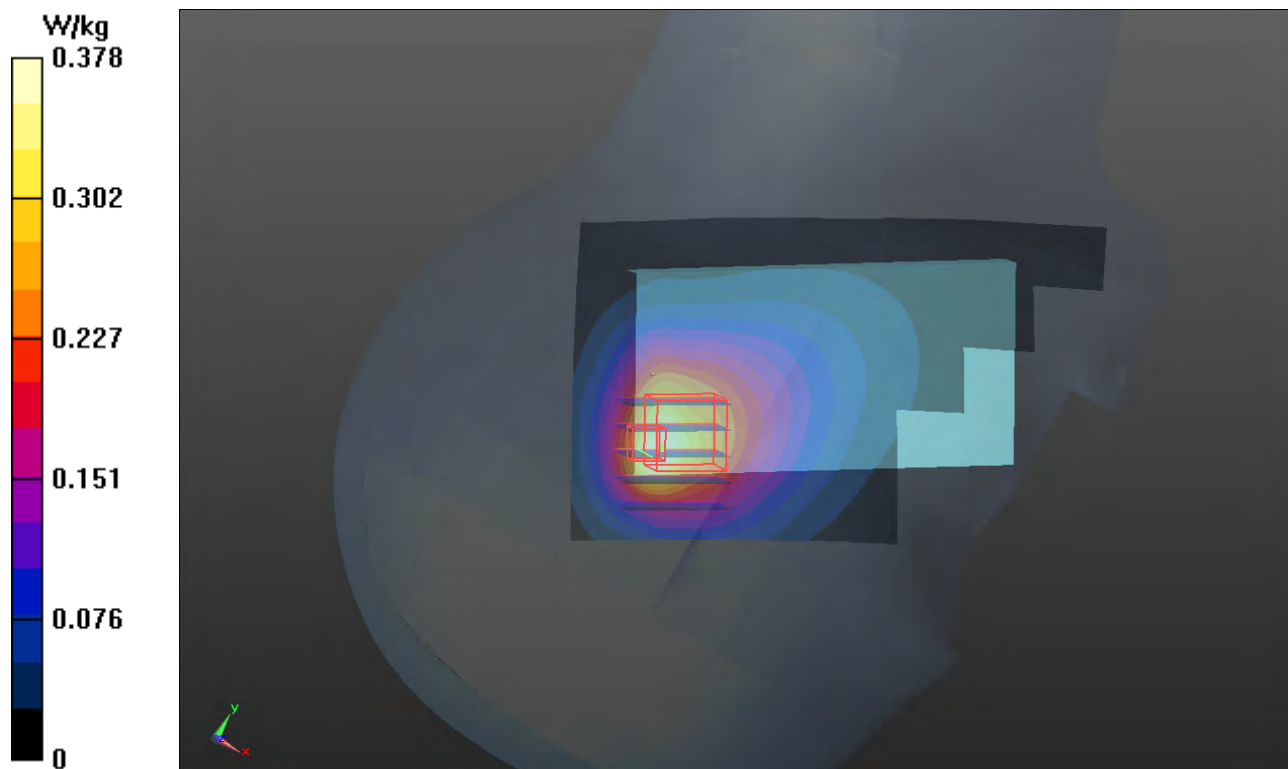
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.394 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.576 mW/g

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.152 mW/g

Maximum value of SAR (measured) = 0.399 W/kg



P1008 LTE 5_QPSK_10M_Left Cheek_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.293 W/kg

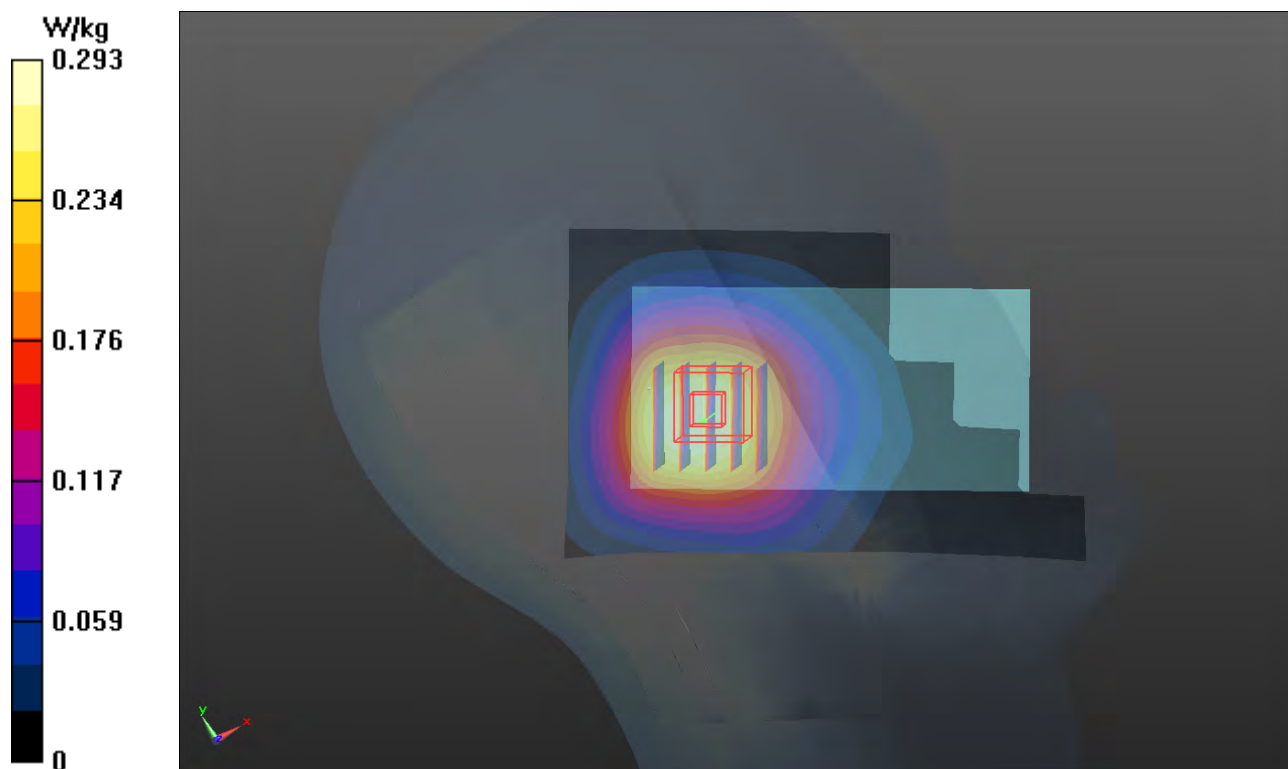
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.998 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 0.320 mW/g

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.281 W/kg



P1009 LTE 5_QPSK_10M_Left Tilted_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.241 W/kg

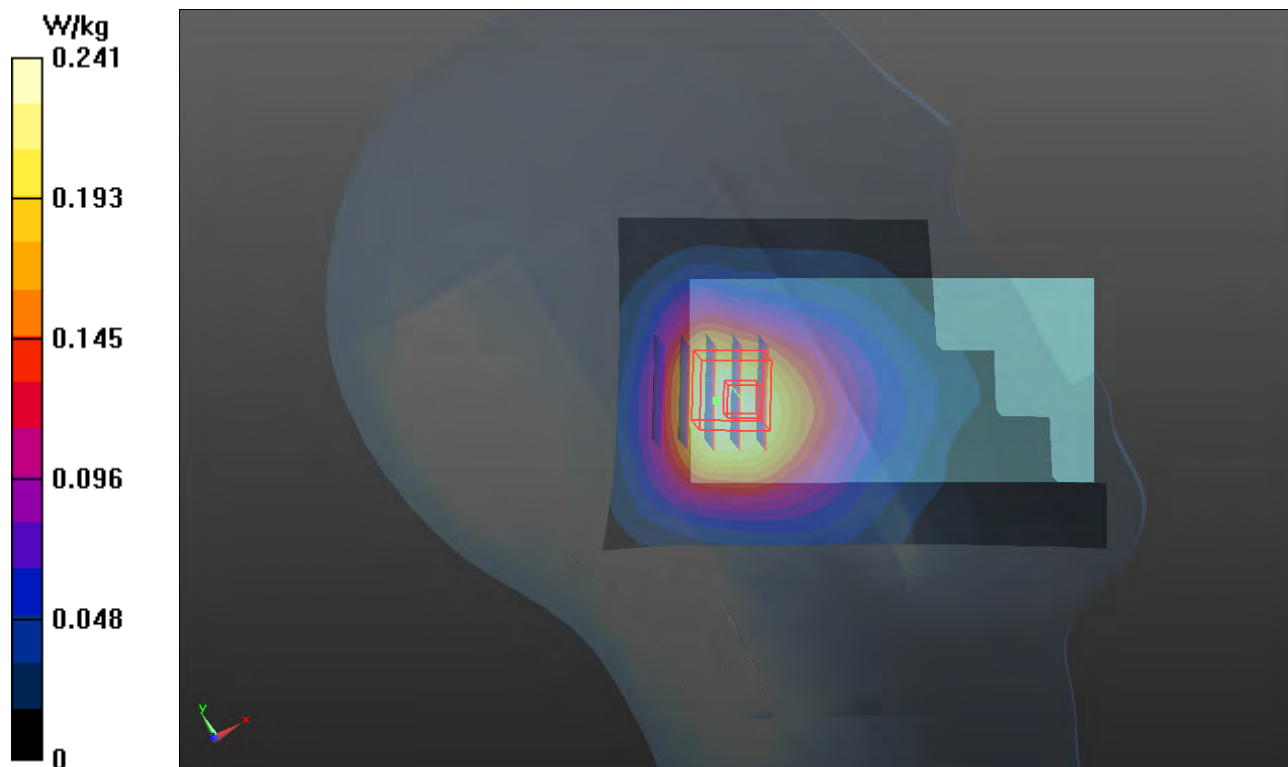
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.070 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.265 mW/g

SAR(1 g) = 0.186 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.230 W/kg



P405 LTE5_QPSK_10M_Right Cheek_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0925 Medium parameters used: $f = 829$ MHz; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.639$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

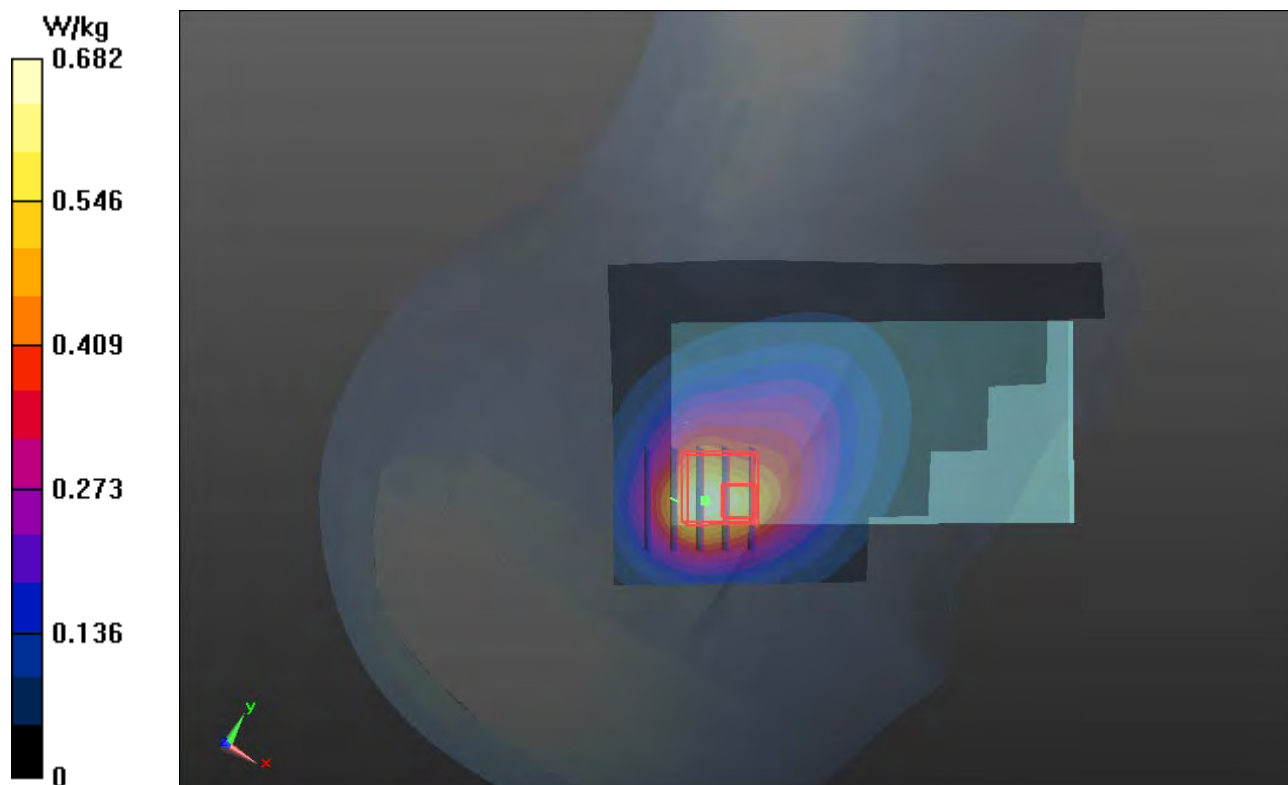
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.249 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.690 mW/g

SAR(1 g) = 0.409 mW/g; SAR(10 g) = 0.268 mW/g

Maximum value of SAR (measured) = 0.530 W/kg



P406 LTE5_QPSK_10M_Right Tilted_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0925 Medium parameters used: $f = 829$ MHz; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.639$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

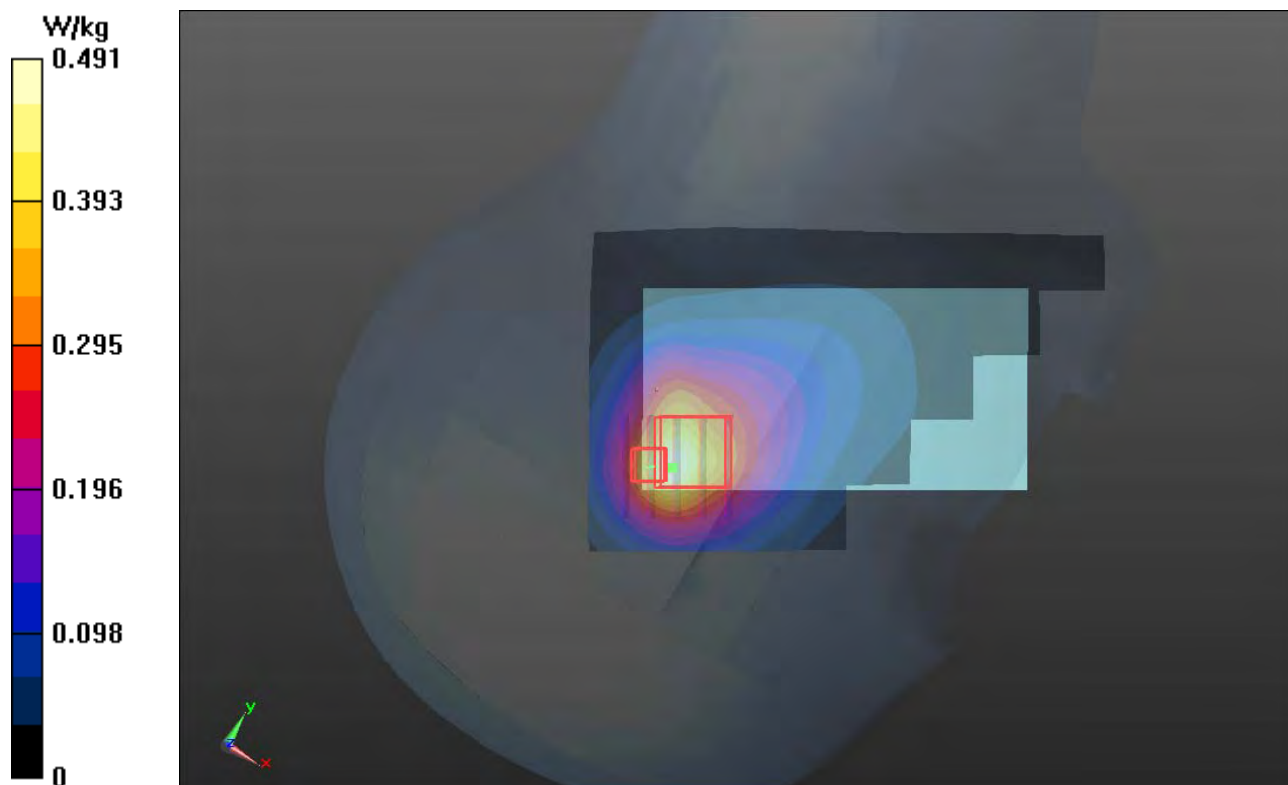
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.346 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.653 mW/g

SAR(1 g) = 0.303 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.475 W/kg



P407 LTE12_QPSK_10M_Left Cheek_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0925 Medium parameters used: $f = 829$ MHz; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.639$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.346 W/kg

Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.335 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.369 mW/g

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.204 mW/g

Maximum value of SAR (measured) = 0.328 W/kg



P408 LTE12_QPSK_10M_Left Tilted_Ch20450_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_0925 Medium parameters used: $f = 829$ MHz; $\sigma = 0.886$ mho/m; $\epsilon_r = 41.639$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.87, 8.87, 8.87); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.305 W/kg

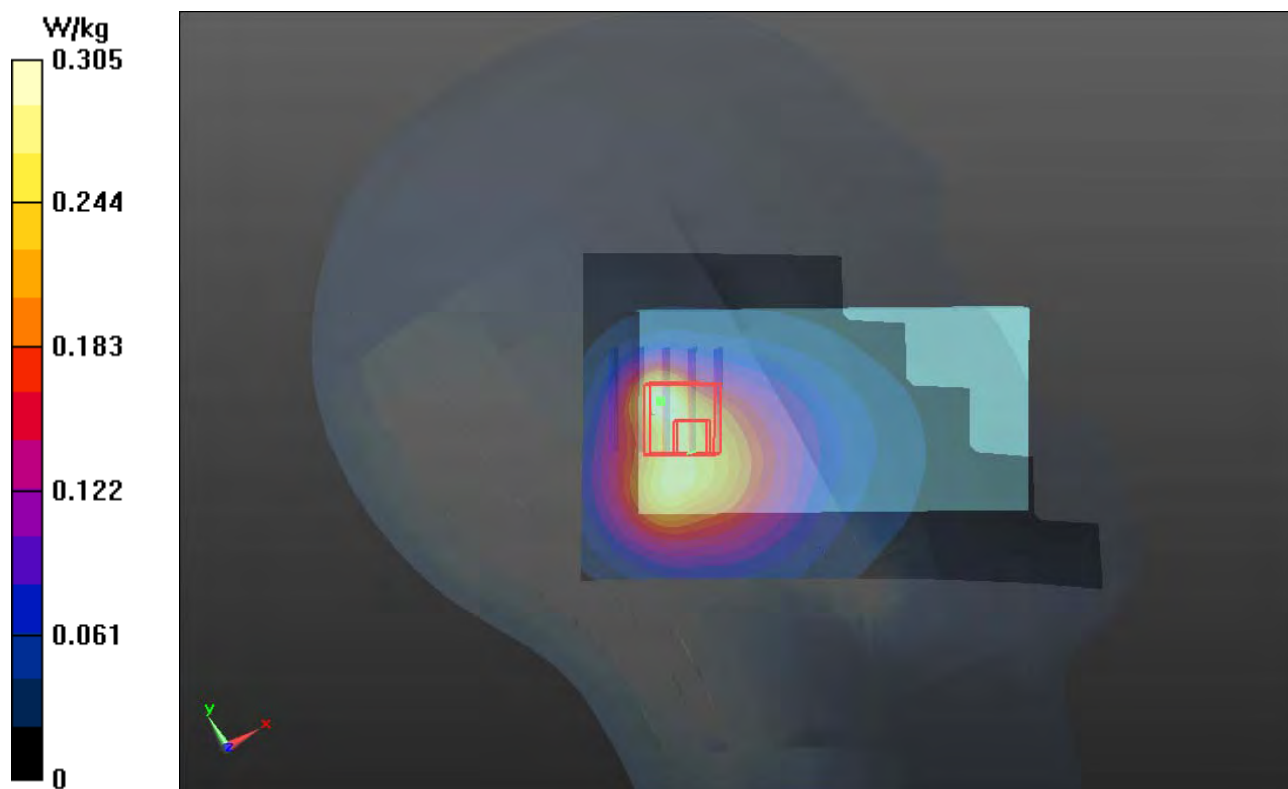
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.580 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.287 mW/g

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.252 W/kg



P463 LTE 5_16QAM_10M_Right Cheek_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.332 W/kg

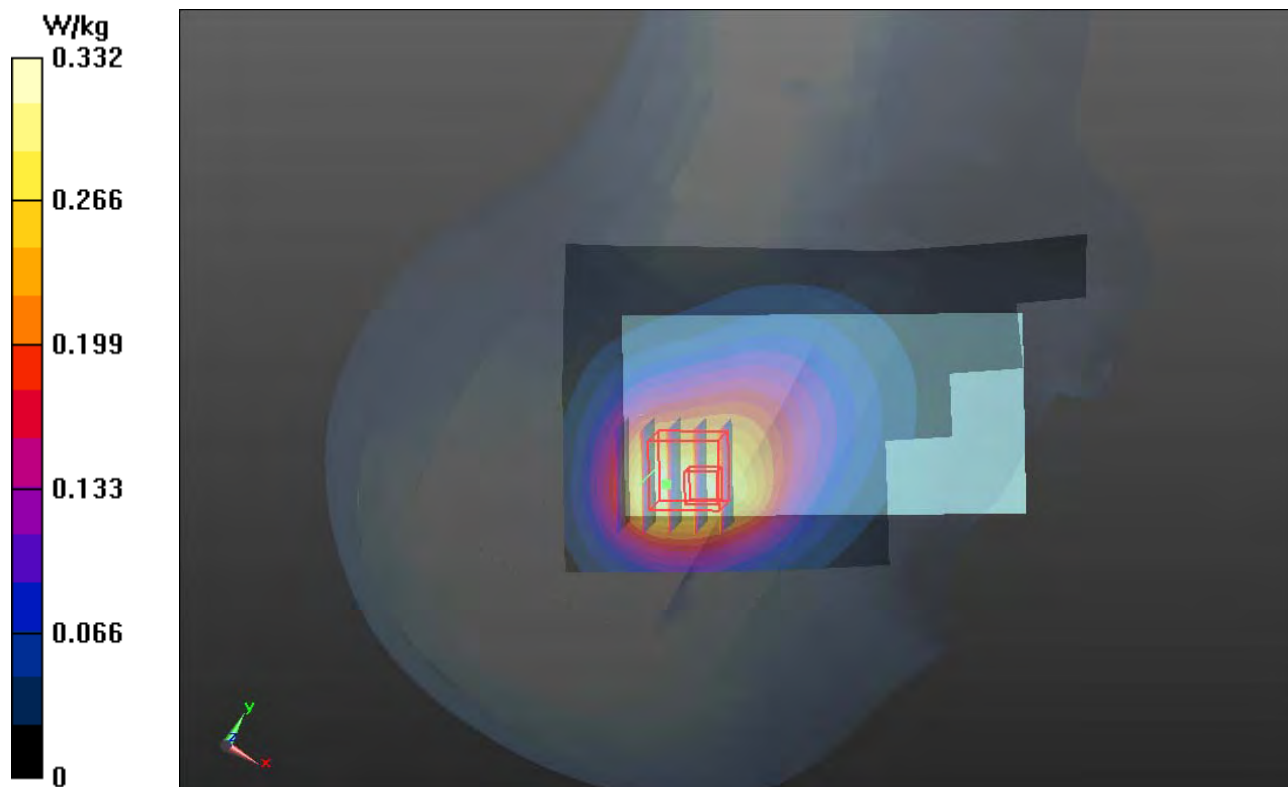
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.541 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.410 mW/g

SAR(1 g) = 0.247 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.305 W/kg



P464 LTE 5_16QAM_10M_Right Tilted_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.274 W/kg

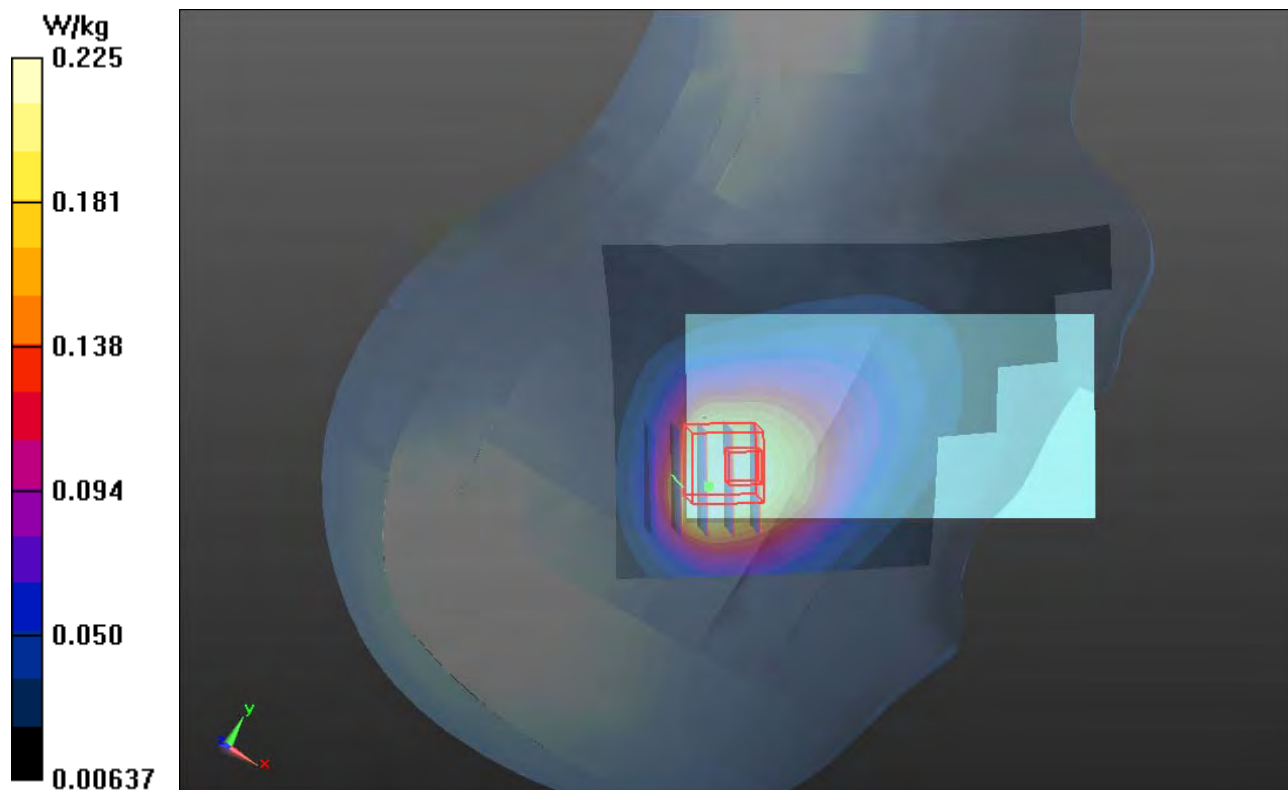
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.782 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.329 mW/g

SAR(1 g) = 0.168 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.225 W/kg



P465 LTE 5_16QAM_10M_Left Cheek_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.408 W/kg

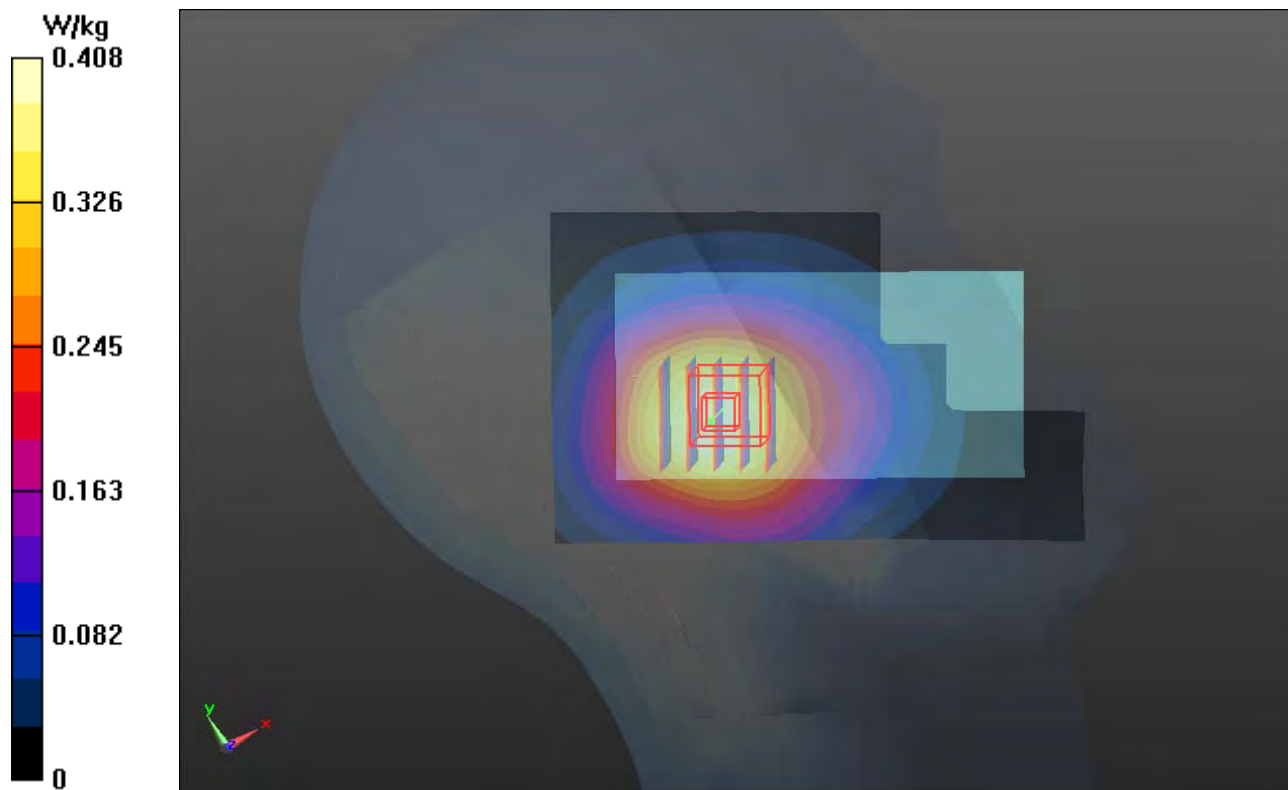
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.878 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.436 mW/g

SAR(1 g) = 0.342 mW/g; SAR(10 g) = 0.255 mW/g

Maximum value of SAR (measured) = 0.396 W/kg



P466 LTE 5_16QAM_10M_Left Cheek_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.281 W/kg

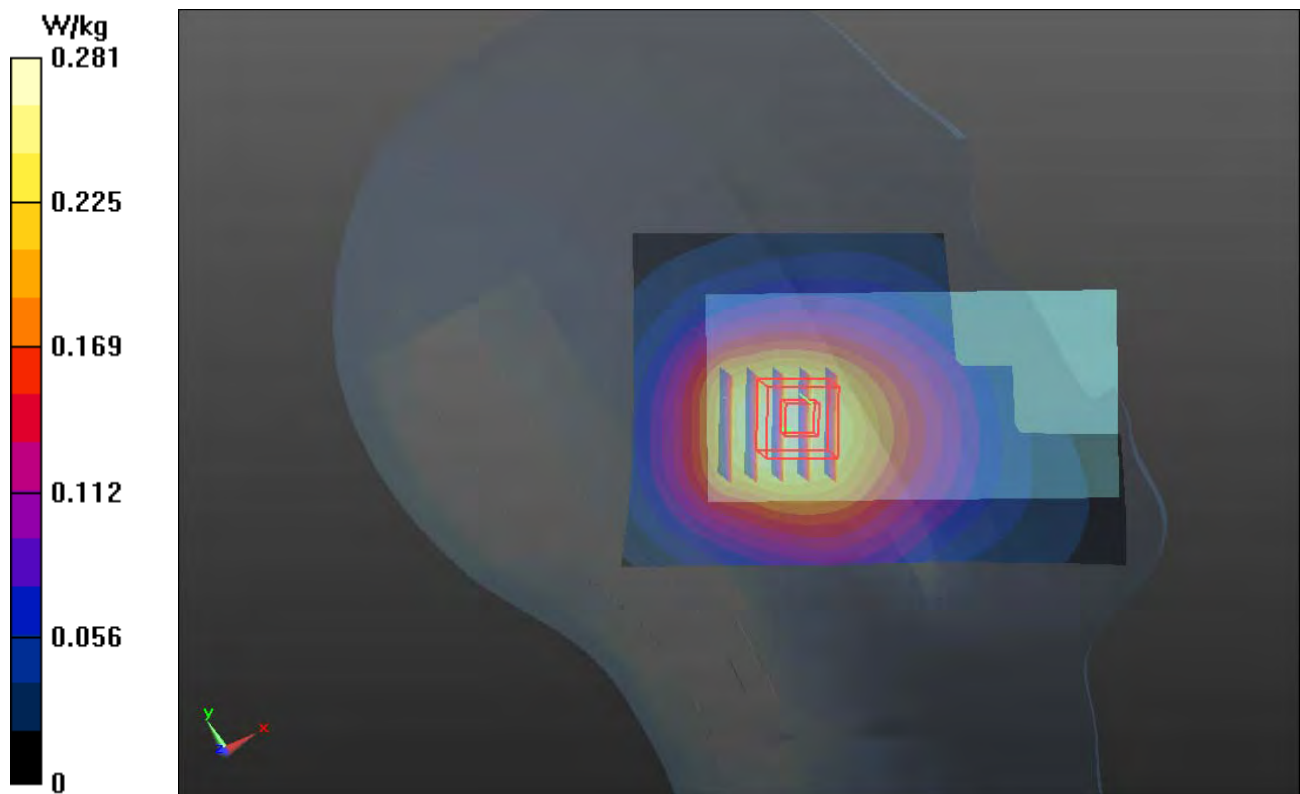
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.430 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.241 mW/g; SAR(10 g) = 0.179 mW/g

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



P467 LTE 5_16QAM_10M_Right Cheek_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.360 W/kg

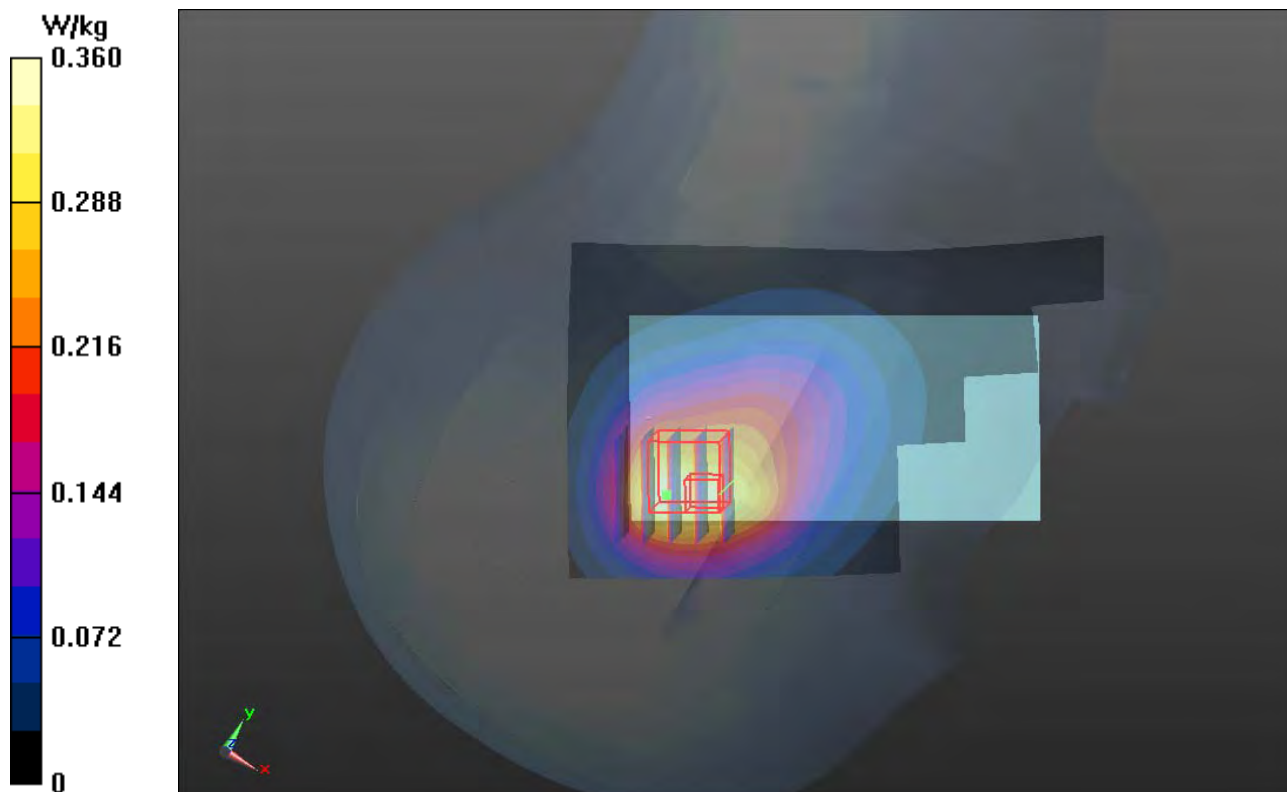
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.049 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.425 mW/g

SAR(1 g) = 0.253 mW/g; SAR(10 g) = 0.163 mW/g

Maximum value of SAR (measured) = 0.323 W/kg



P468 LTE 5_16QAM_10M_Right Tilted_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.252 W/kg

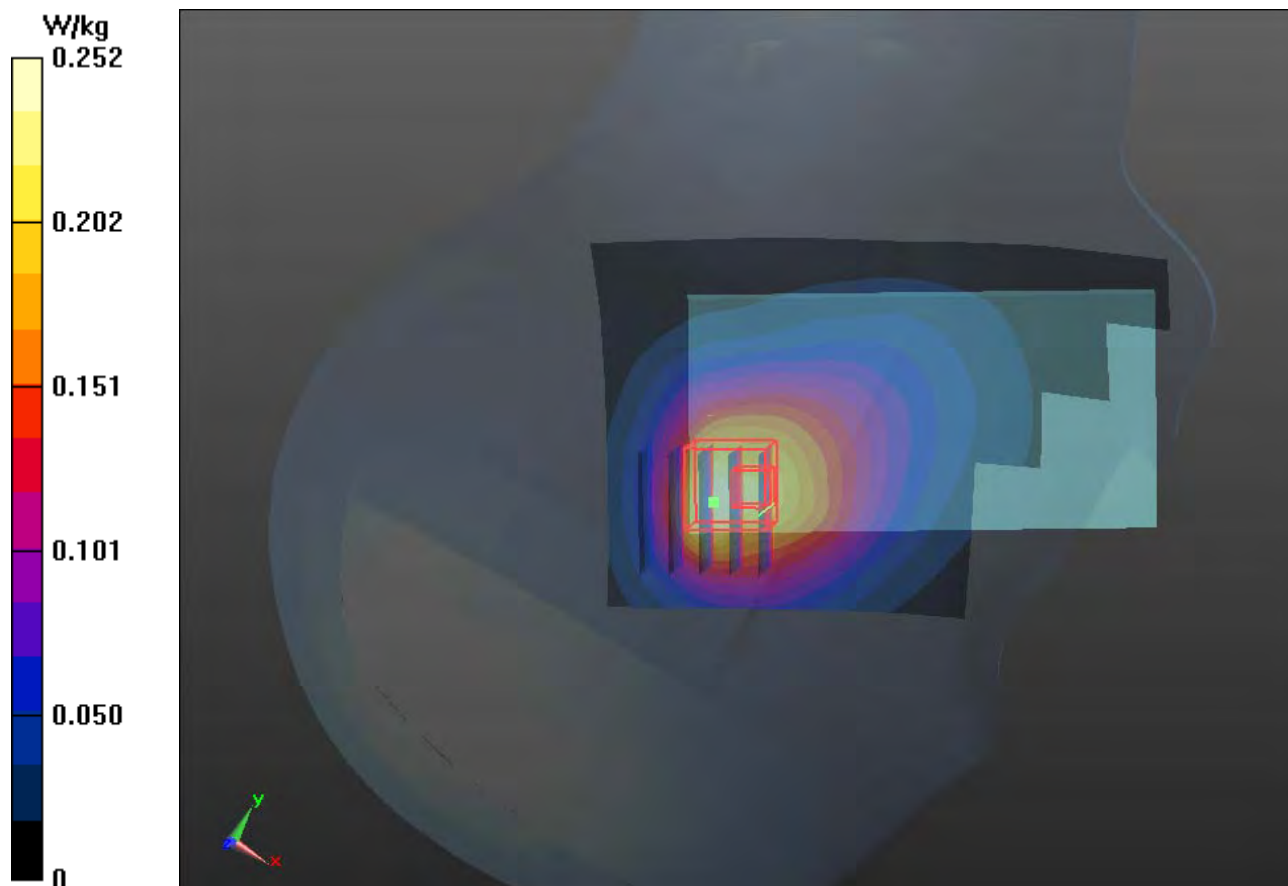
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.323 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.289 mW/g

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.108 mW/g

Maximum value of SAR (measured) = 0.208 W/kg



P469 LTE 5_16QAM_10M_Left Cheek_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.237 W/kg

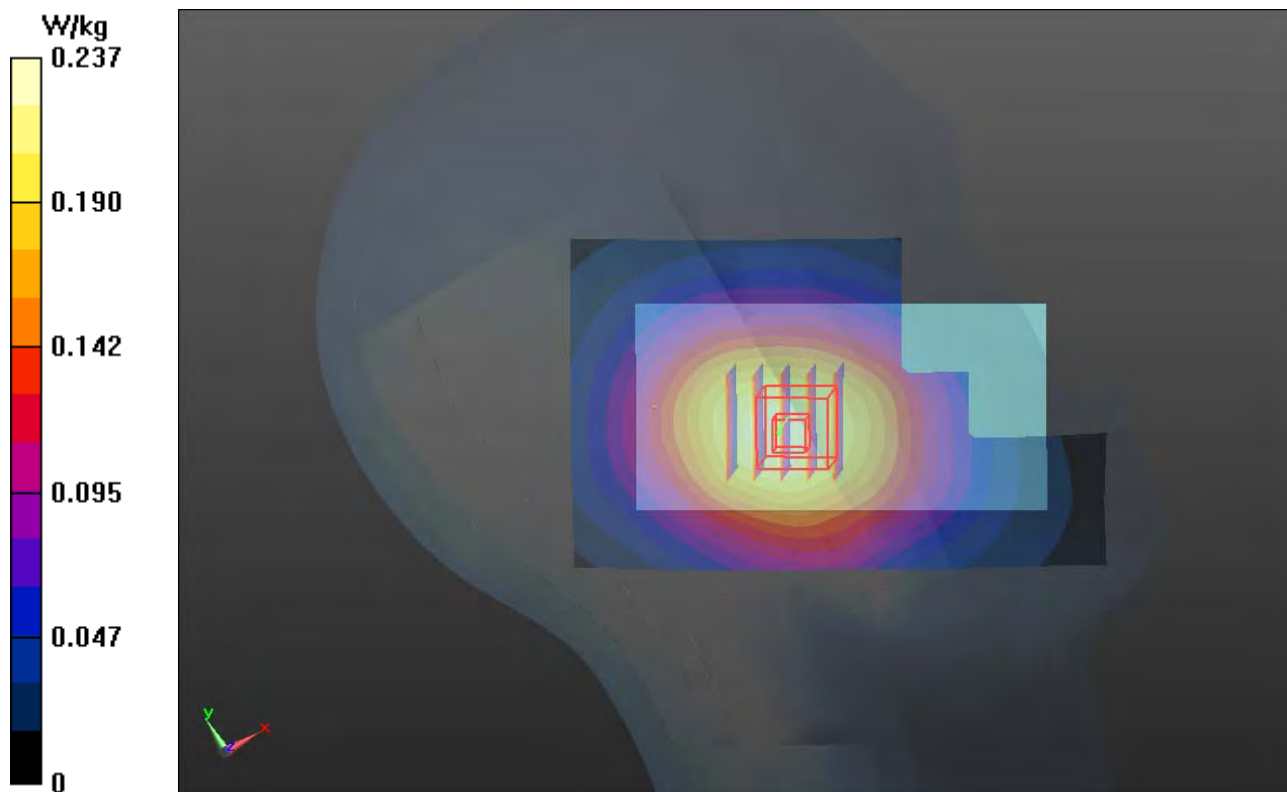
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.737 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.256 mW/g

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 0.231 W/kg



P470 LTE 5_16QAM_10M_Left Tilted_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1019 Medium parameters used: $f = 829$ MHz; $\sigma = 0.881$ mho/m; $\epsilon_r = 42.182$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.14, 10.14, 10.14); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.196 W/kg

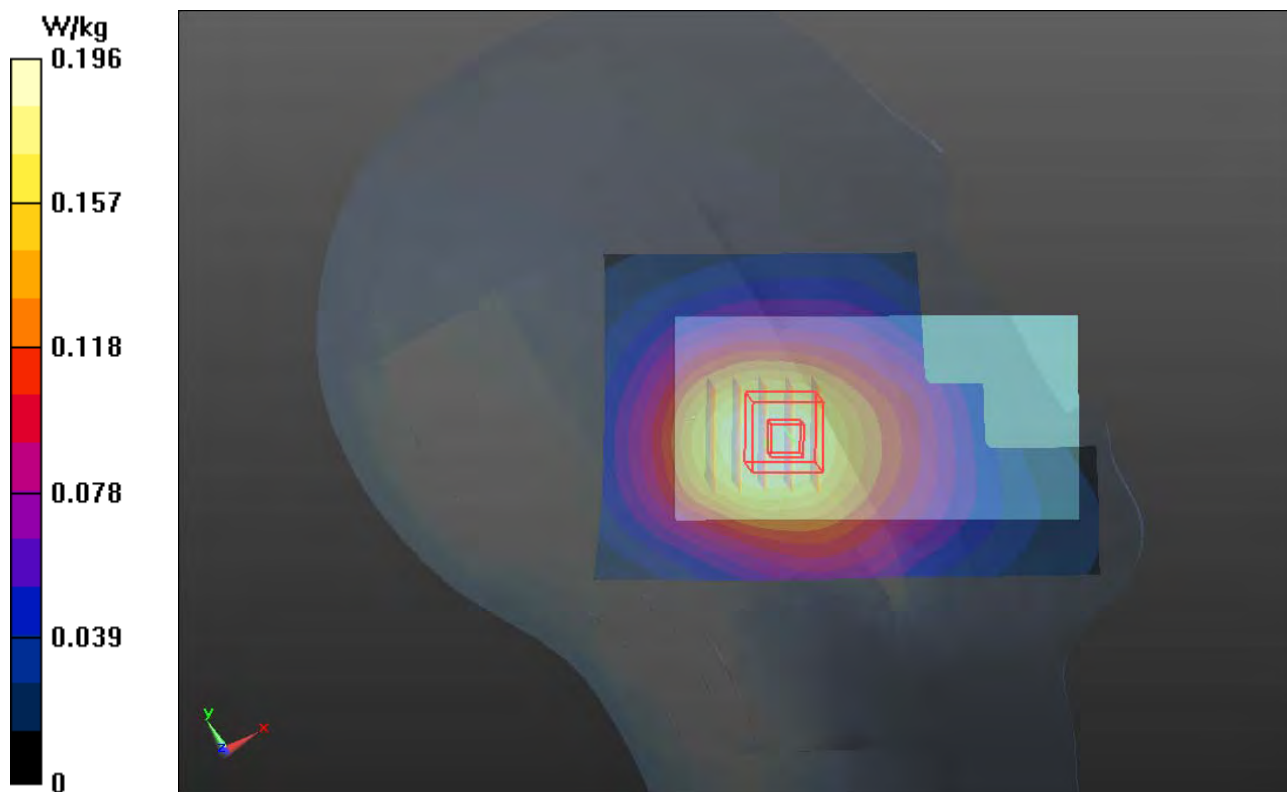
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.457 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.213 mW/g

SAR(1 g) = 0.166 mW/g; SAR(10 g) = 0.126 mW/g

Maximum value of SAR (measured) = 0.192 W/kg



P471 LTE 5_16QAM_10M_Right Cheek_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.805 W/kg

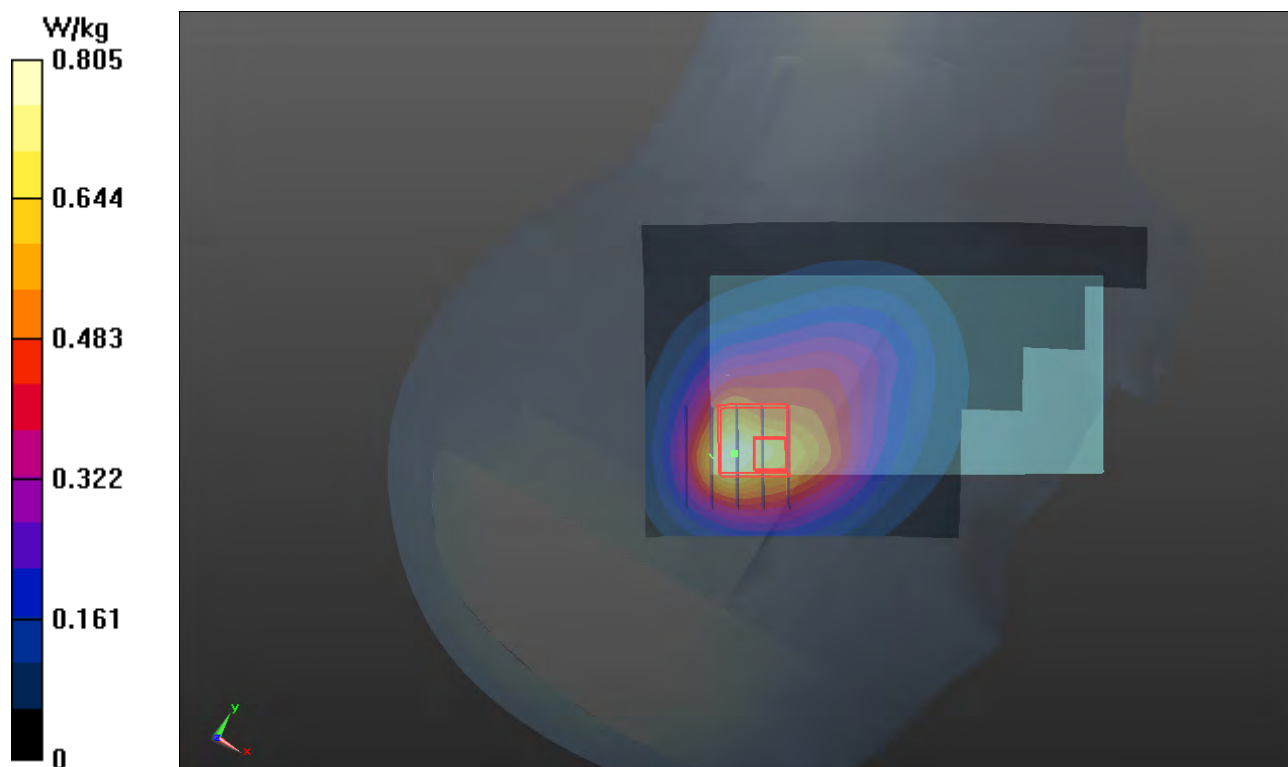
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.090 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.000 mW/g

SAR(1 g) = 0.489 mW/g; SAR(10 g) = 0.316 mW/g

Maximum value of SAR (measured) = 0.686 W/kg



P472 LTE 5_16QAM_10M_Right Tilted_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.617 W/kg

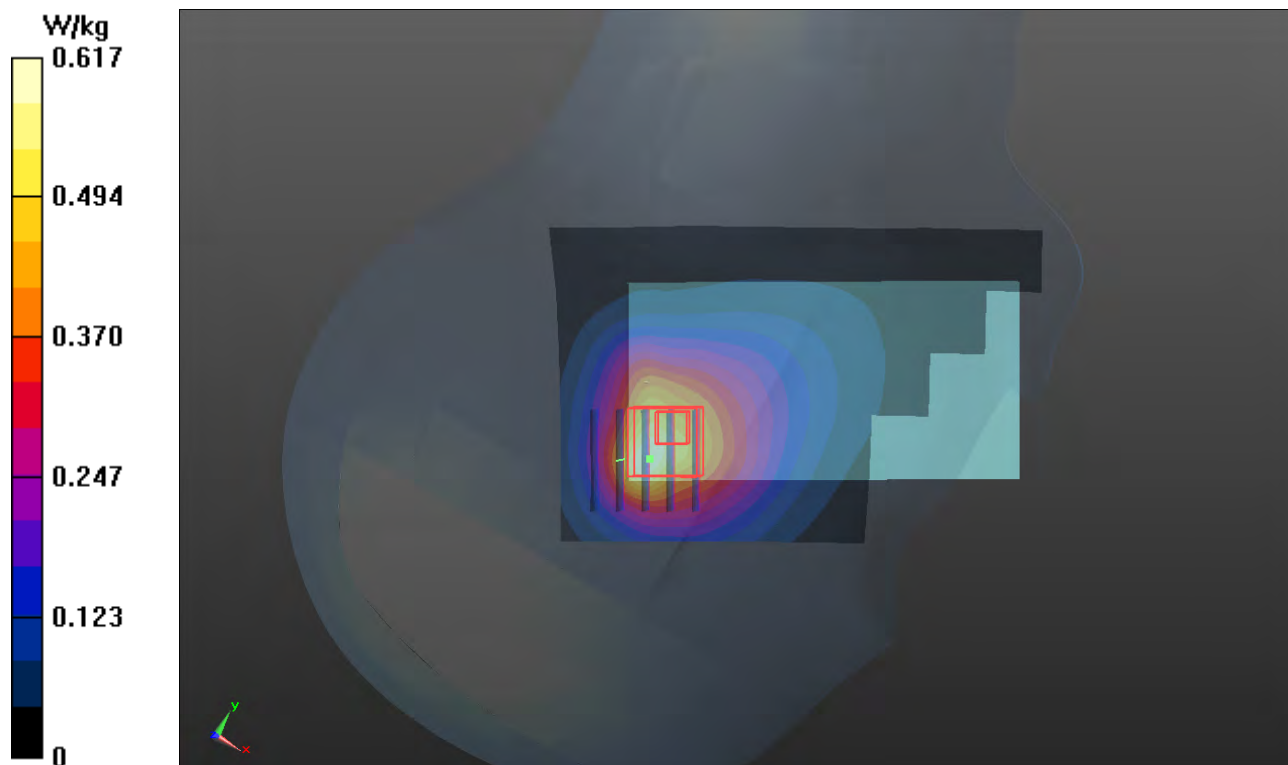
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.391 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.835 mW/g

SAR(1 g) = 0.369 mW/g; SAR(10 g) = 0.244 mW/g

Maximum value of SAR (measured) = 0.582 W/kg



P473 LTE 5_16QAM_10M_Left Cheek_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.484 W/kg

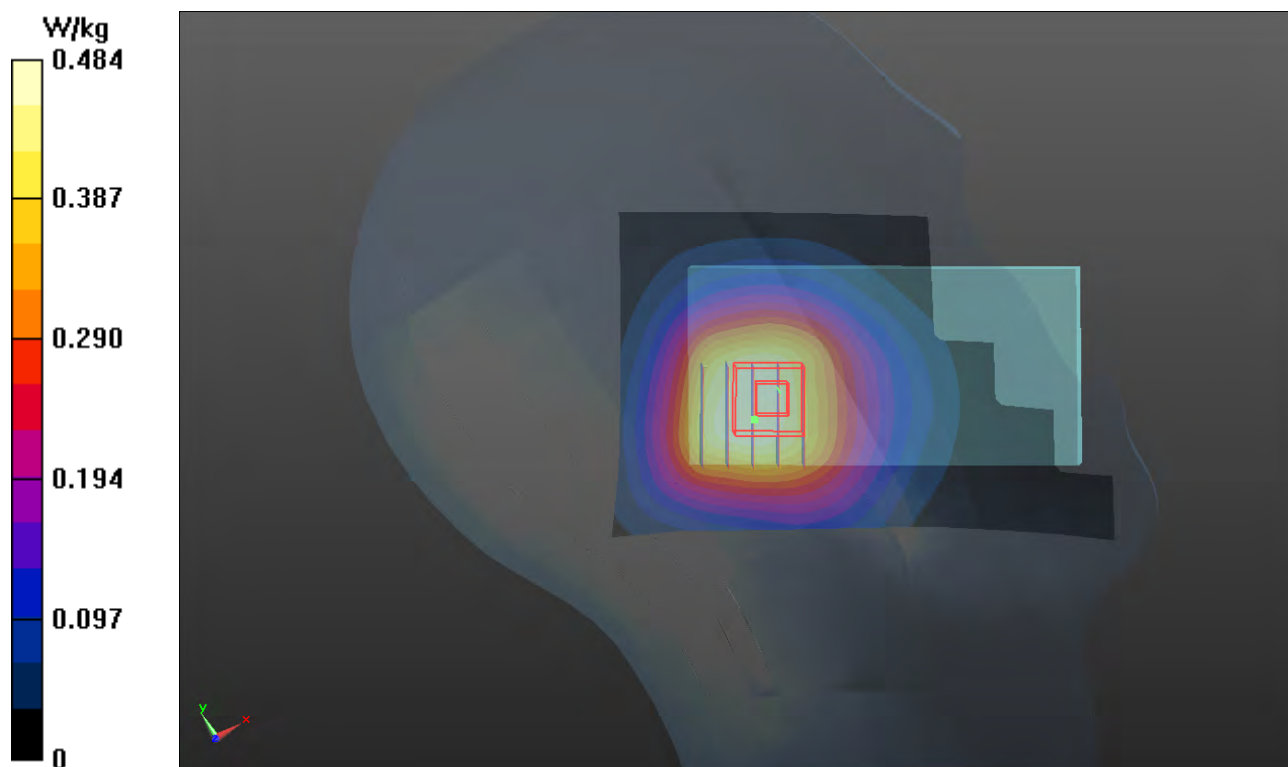
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.067 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.542 mW/g

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.293 mW/g

Maximum value of SAR (measured) = 0.482 W/kg



P474 LTE 5_16QAM_10M_Left Tilted_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: H835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.885$ mho/m; $\epsilon_r = 40.742$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM with CRP v5.0 Front; Type: QD000P40CD; Serial: TP:1653
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.374 W/kg

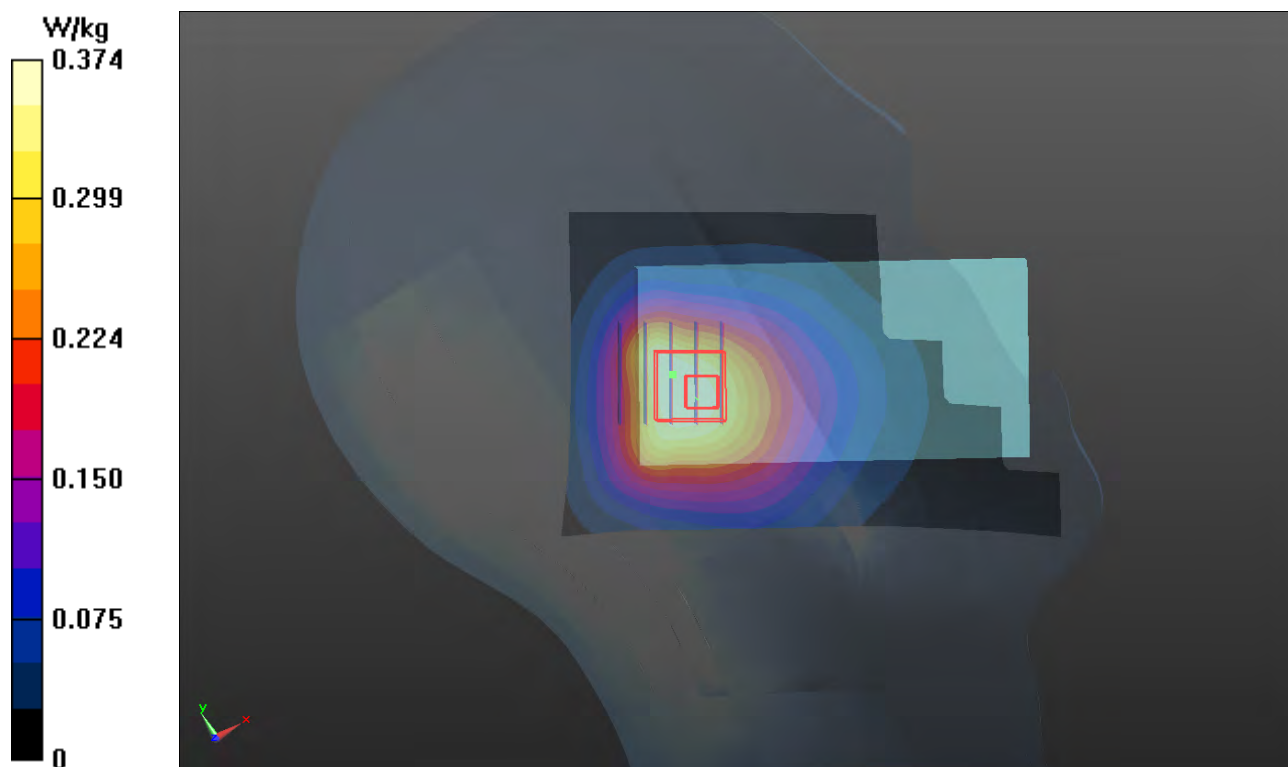
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.491 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.422 mW/g

SAR(1 g) = 0.297 mW/g; SAR(10 g) = 0.203 mW/g

Maximum value of SAR (measured) = 0.365 W/kg



P250 LTE12_QPSK_10M_Right Cheek_Ch23130_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

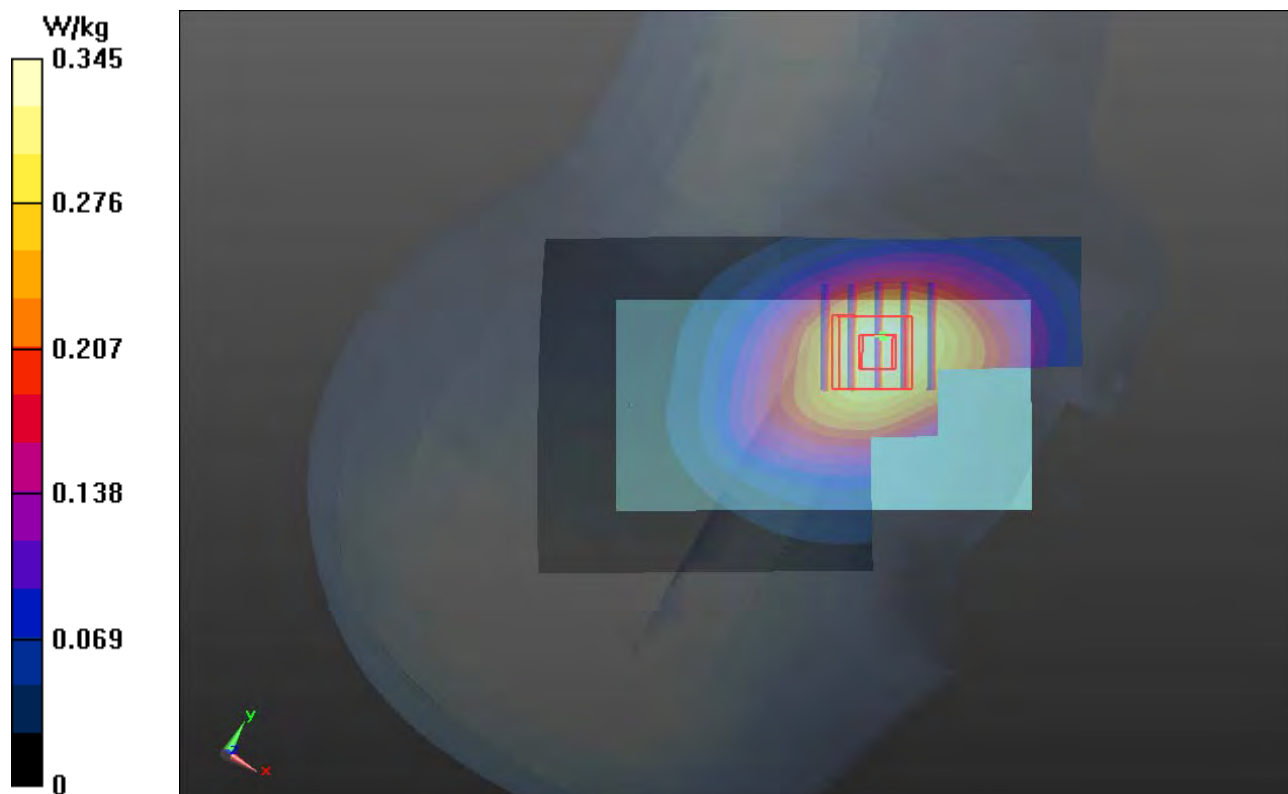
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.517 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.363 mW/g

SAR(1 g) = 0.288 mW/g; SAR(10 g) = 0.214 mW/g

Maximum value of SAR (measured) = 0.328 W/kg



P251 LTE12_QPSK_10M_Right Tilted_Ch23130_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

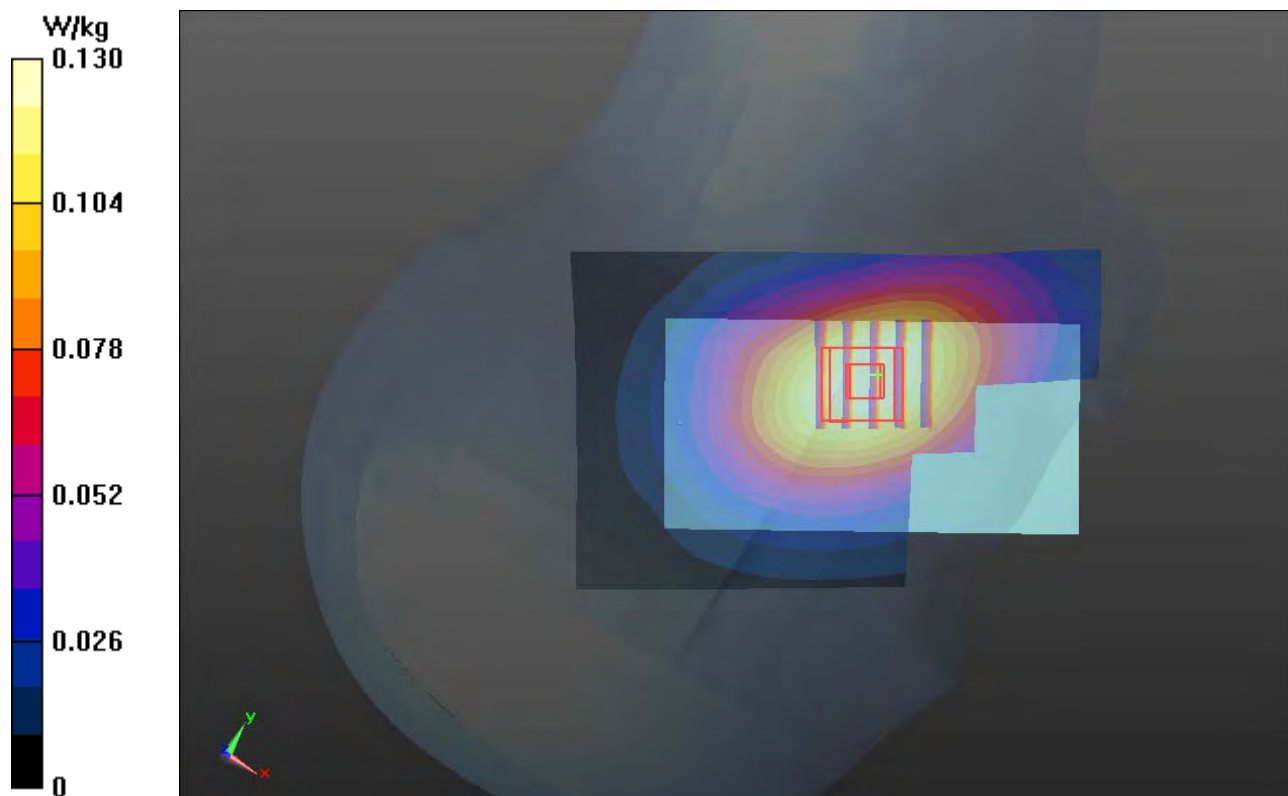
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.222 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.133 mW/g

SAR(1 g) = 0.112 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.124 W/kg



P252 LTE12_QPSK_10M_Left Cheek_Ch23130_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.349 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.985 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.369 mW/g

SAR(1 g) = 0.307 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.344 W/kg

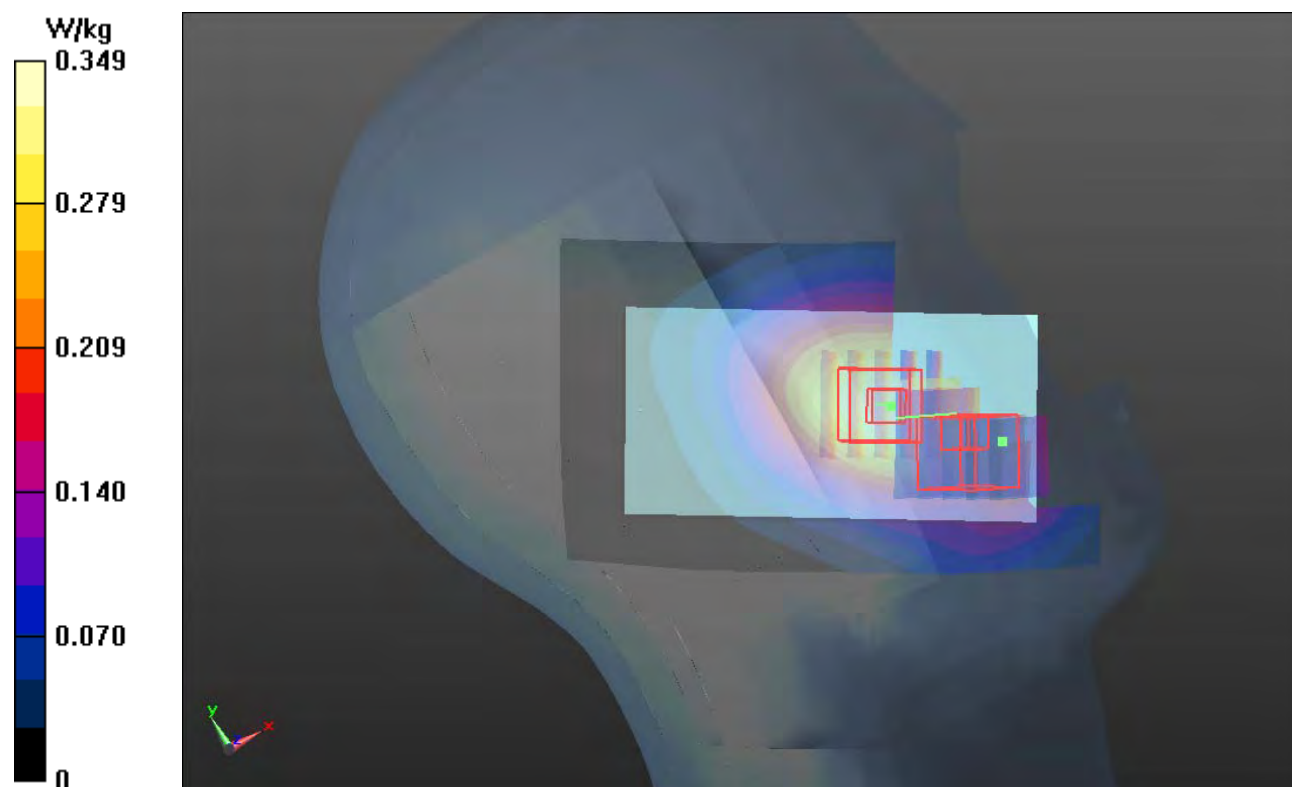
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.985 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.330 mW/g

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.143 mW/g

Maximum value of SAR (measured) = 0.294 W/kg



P253 LTE12_QPSK_10M_Left Tilted_Ch23130_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.241 W/kg

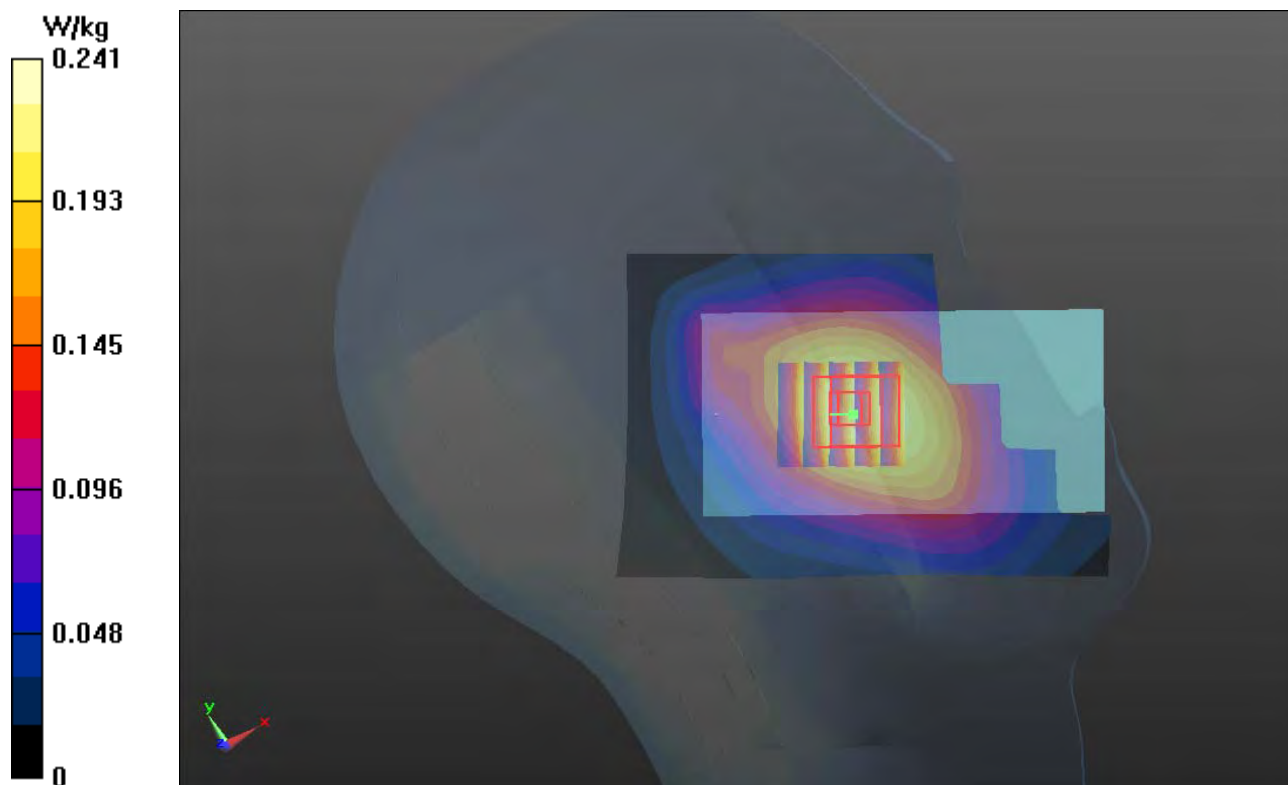
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.850 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.254 mW/g

SAR(1 g) = 0.213 mW/g; SAR(10 g) = 0.170 mW/g

Maximum value of SAR (measured) = 0.234 W/kg



P254 LTE12_QPSK_10M_Right Cheek_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

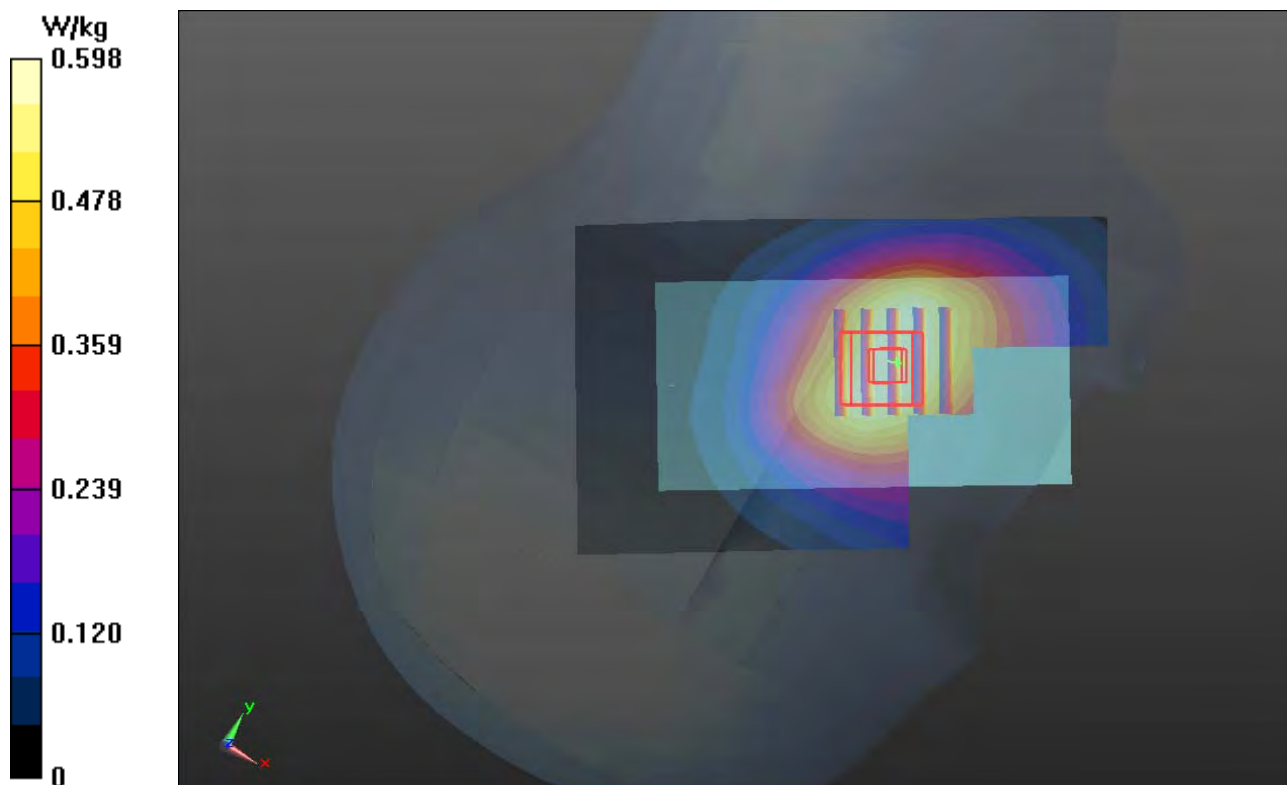
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.700 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.660 mW/g

SAR(1 g) = 0.548 mW/g; SAR(10 g) = 0.424 mW/g

Maximum value of SAR (measured) = 0.616 W/kg



P255 LTE12_QPSK_10M_Right Tilted_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

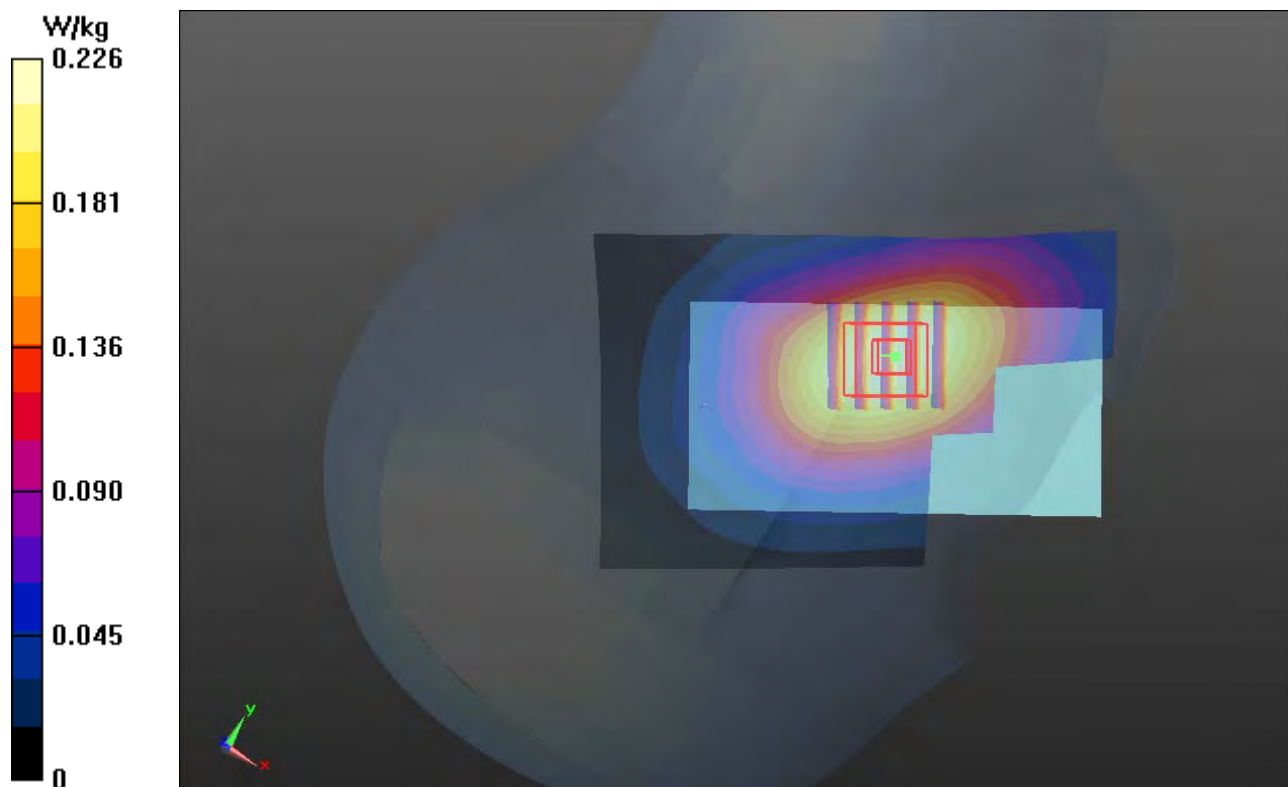
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.180 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.244 mW/g

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.230 W/kg



P256 LTE12_QPSK_10M_Left Cheek_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.648 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.650 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.702 mW/g

SAR(1 g) = 0.582 mW/g; SAR(10 g) = 0.449 mW/g

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

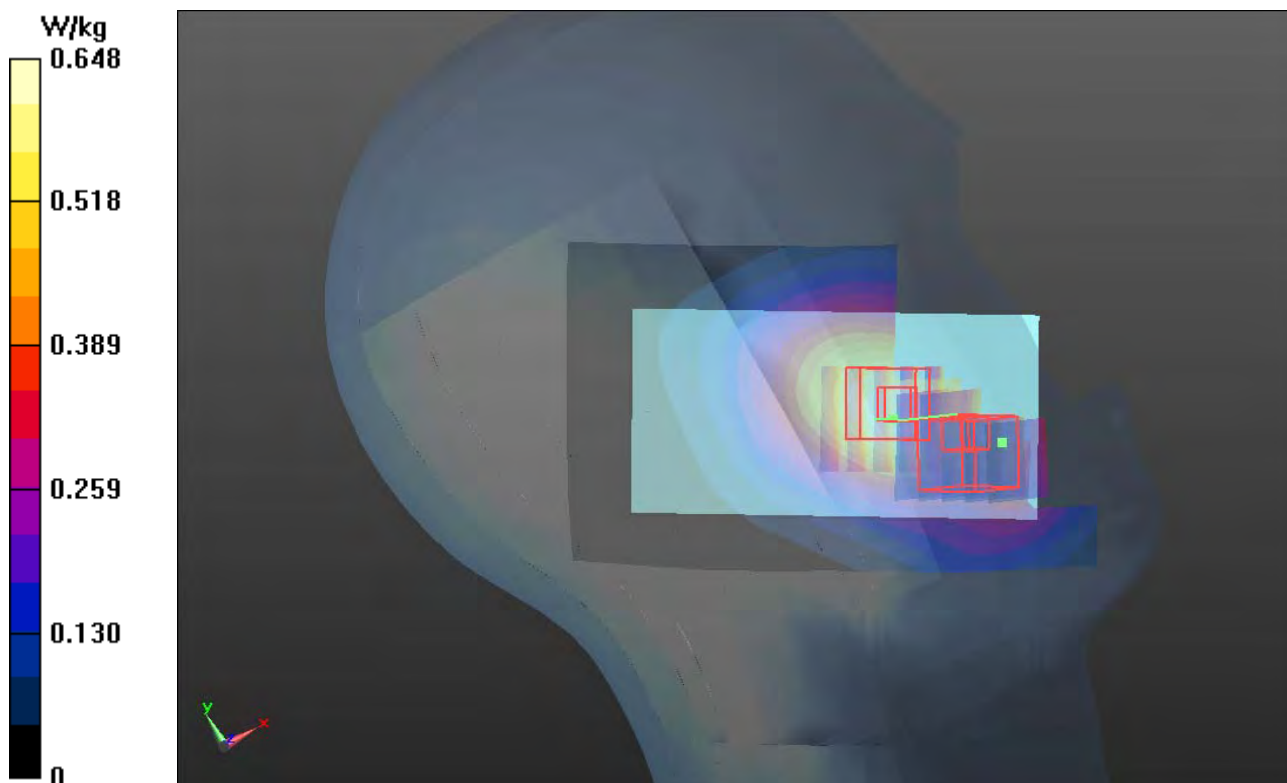
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

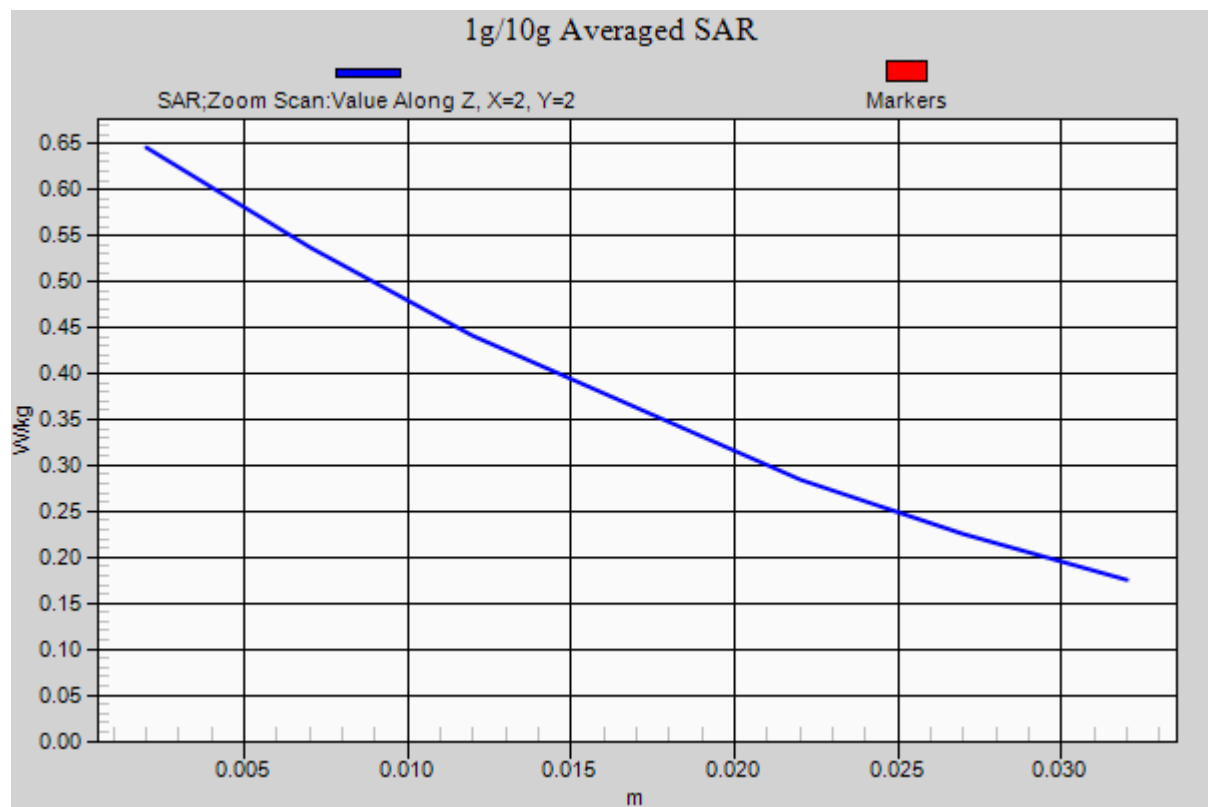
Reference Value = 6.650 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.646 mW/g

SAR(1 g) = 0.408 mW/g; SAR(10 g) = 0.271 mW/g

Maximum value of SAR (measured) = 0.574 W/kg





P257 LTE12_QPSK_10M_Left Tilted_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.405 W/kg

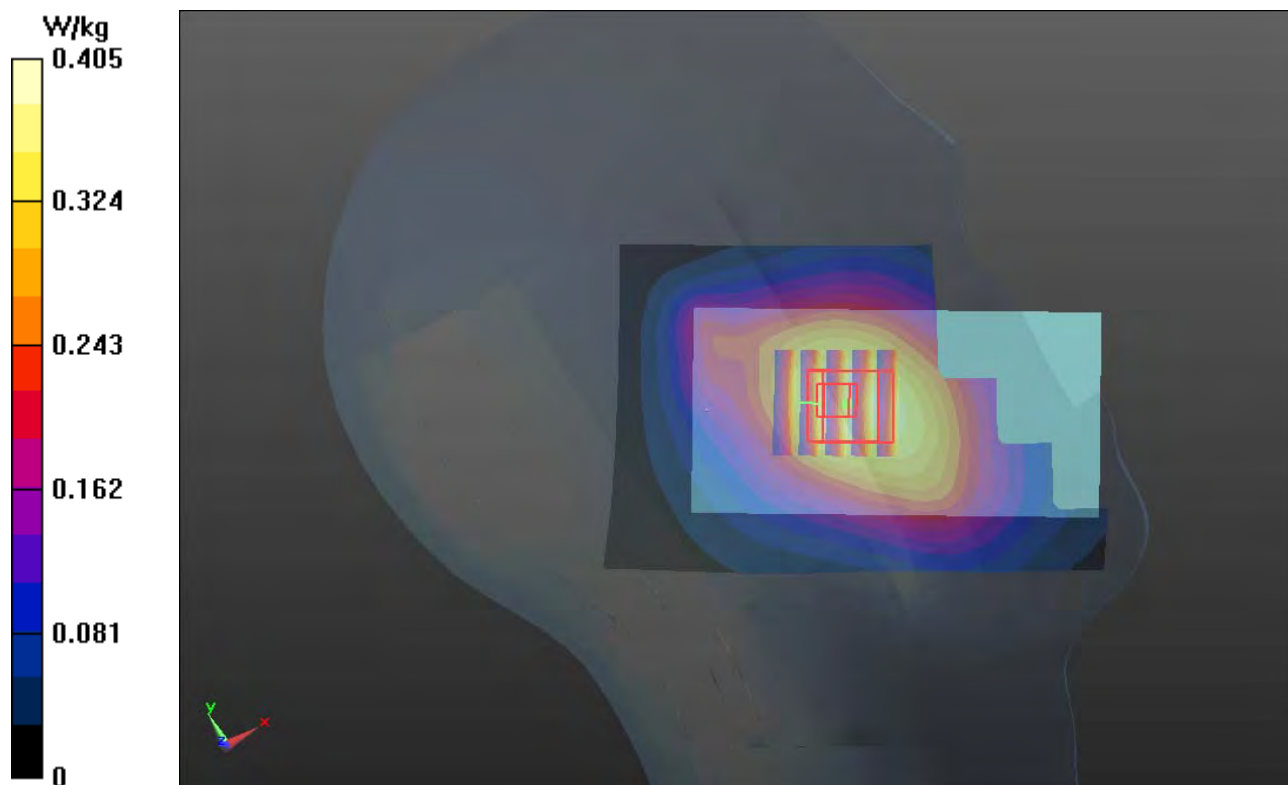
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.749 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.422 mW/g

SAR(1 g) = 0.352 mW/g; SAR(10 g) = 0.282 mW/g

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



P258 LTE12_QPSK_10M_Right Cheek_Ch23130_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.383 W/kg

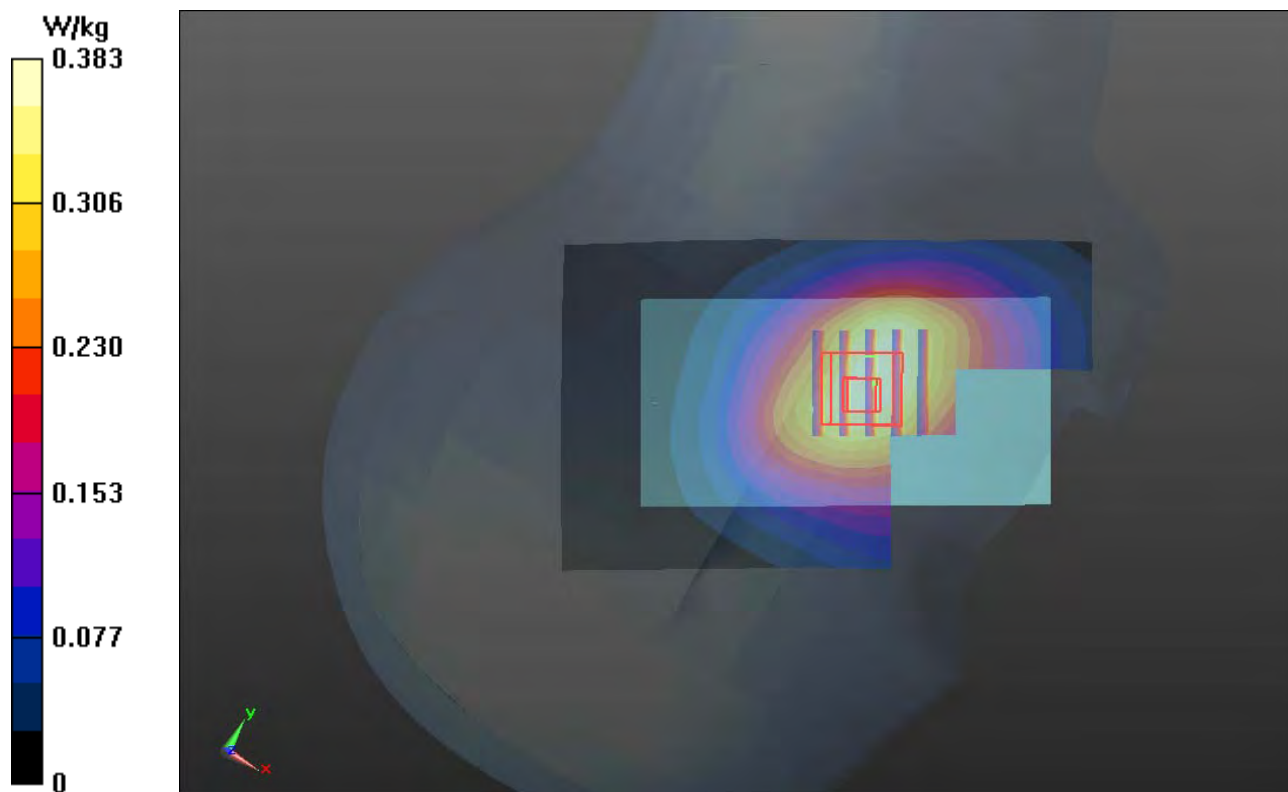
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.665 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.405 mW/g

SAR(1 g) = 0.331 mW/g; SAR(10 g) = 0.260 mW/g

Maximum value of SAR (measured) = 0.369 W/kg



P259 LTE12_QPSK_10M_Right Tilted_Ch23130_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

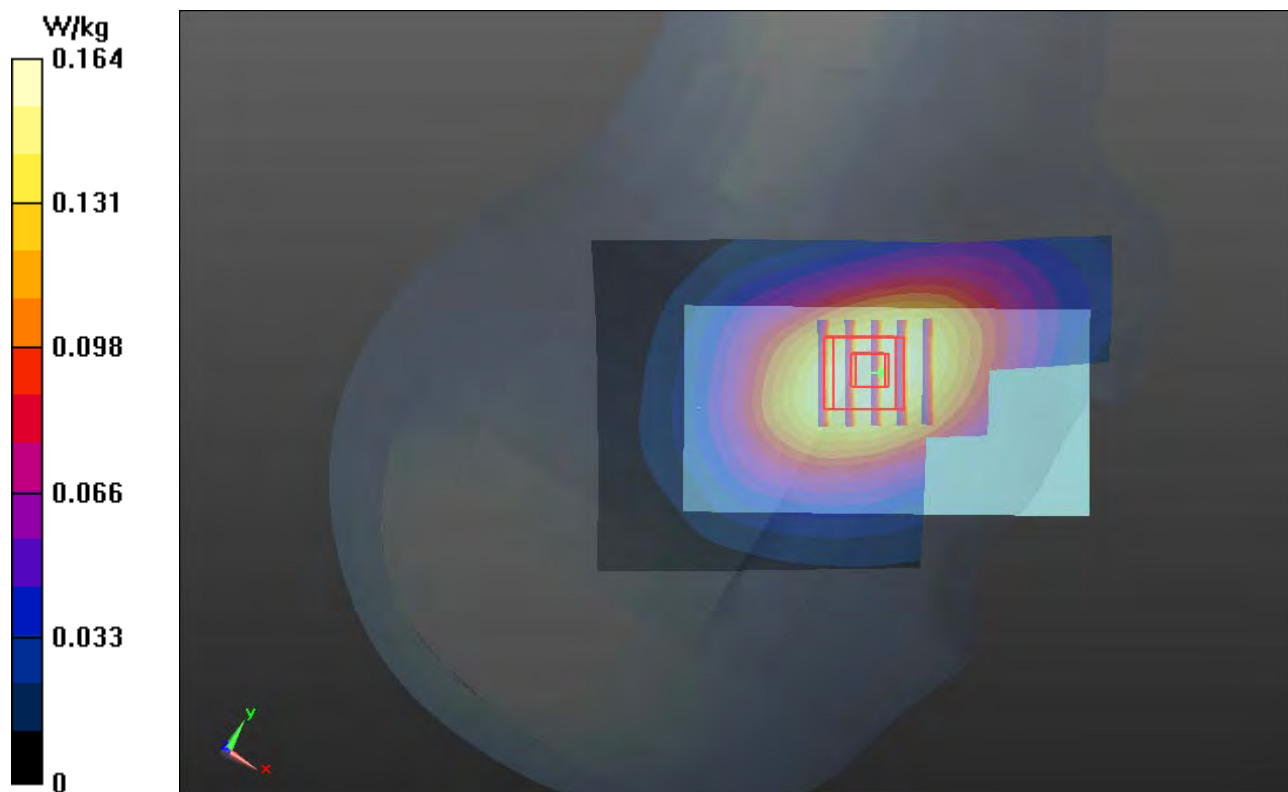
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.151 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.175 mW/g

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.117 mW/g

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



P260 LTE12_QPSK_10M_Left Cheek_Ch23130_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.370 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.782 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.418 mW/g

SAR(1 g) = 0.343 mW/g; SAR(10 g) = 0.265 mW/g

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

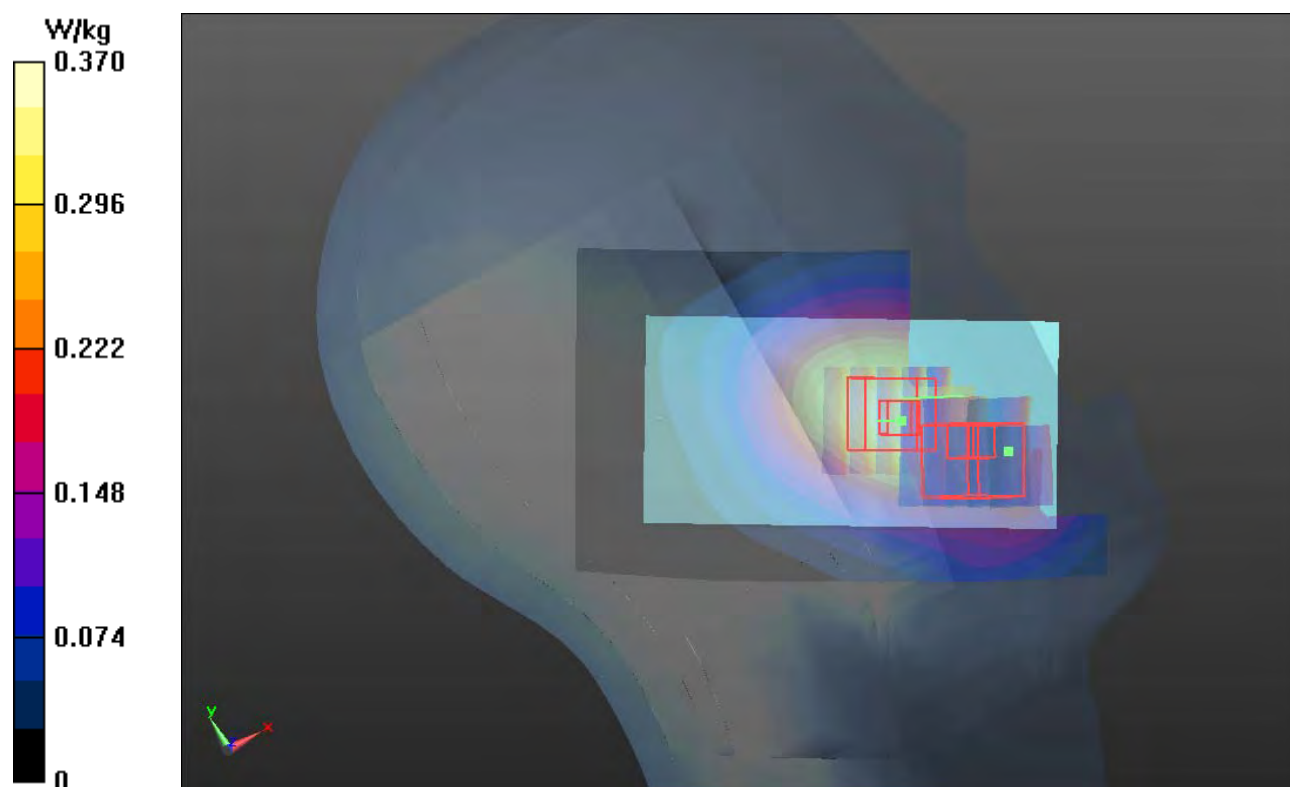
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.782 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.360 mW/g

SAR(1 g) = 0.233 mW/g; SAR(10 g) = 0.158 mW/g

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



P261 LTE12_QPSK_10M_Left Tilted_Ch23130_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

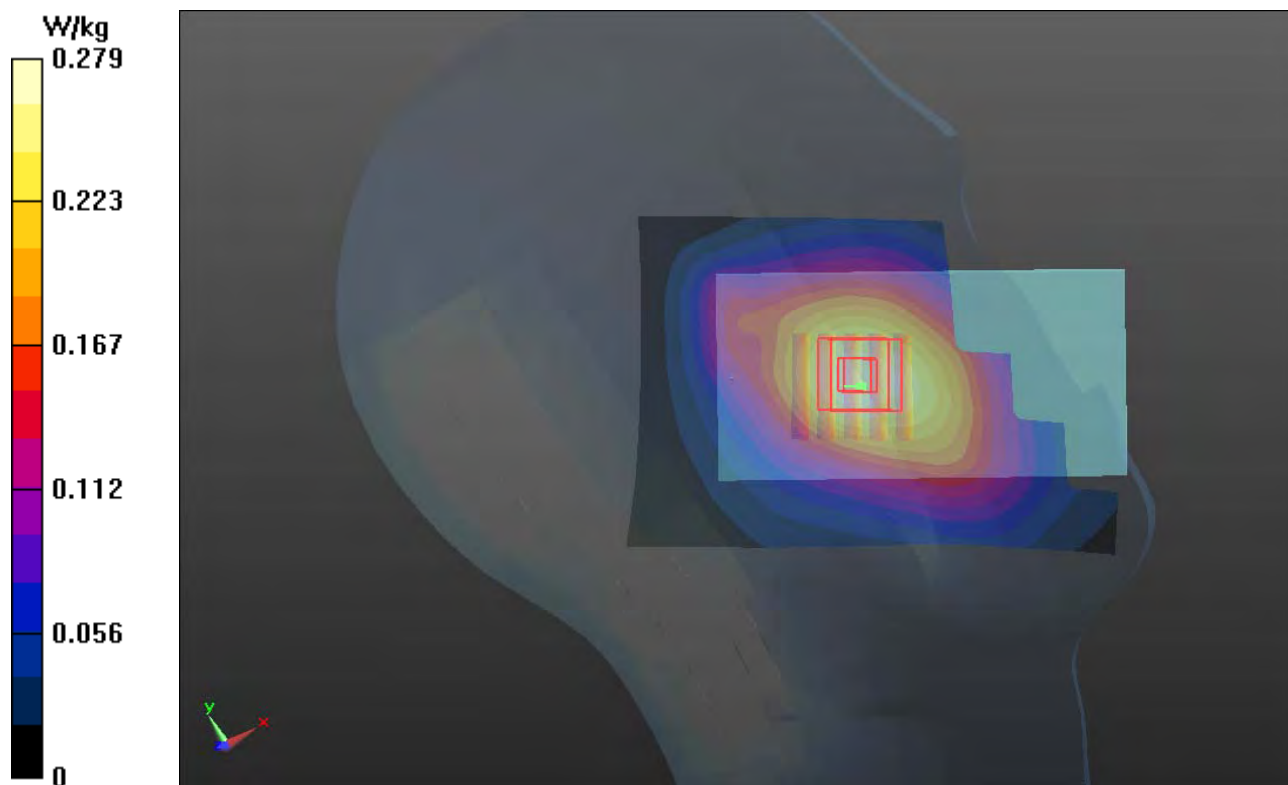
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.934 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.291 mW/g

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.192 mW/g

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



P1175 LTE 12_16QAM_10M_Right Cheek_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.302 W/kg

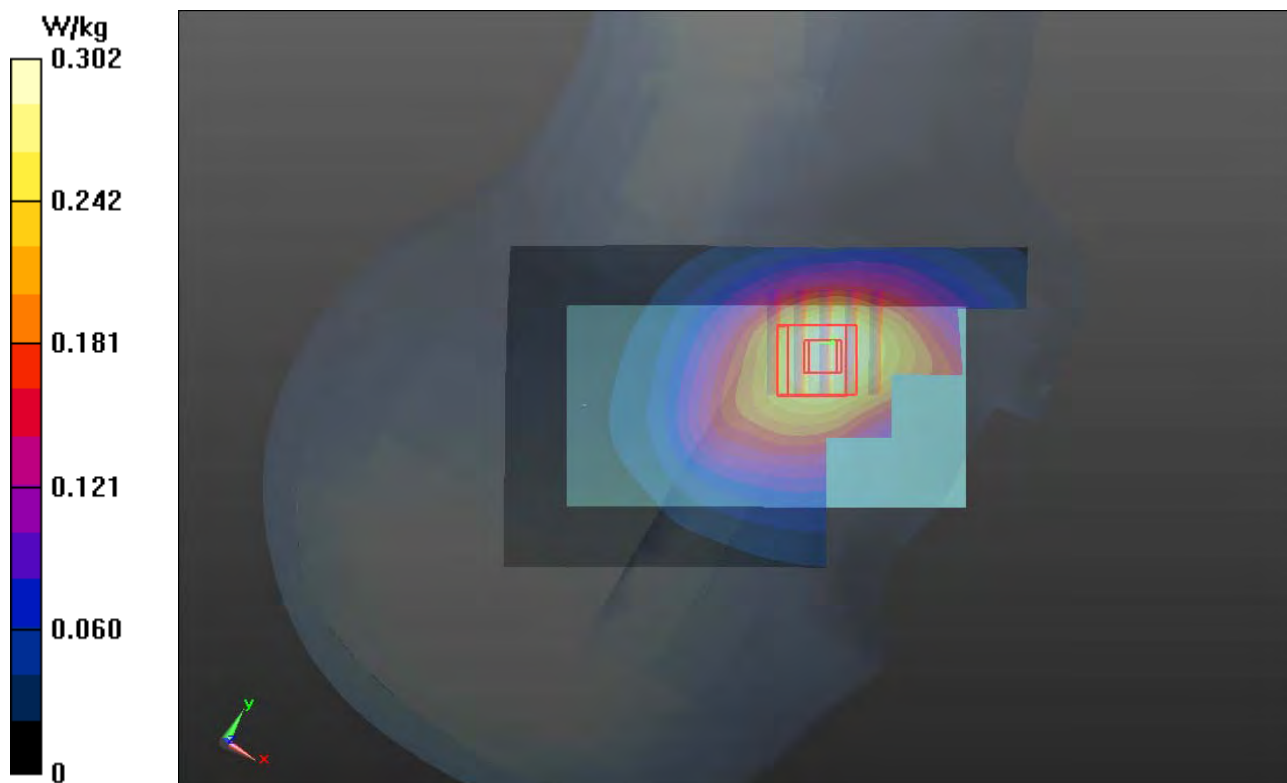
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.484 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.339 mW/g

SAR(1 g) = 0.259 mW/g; SAR(10 g) = 0.189 mW/g

Maximum value of SAR (measured) = 0.299 W/kg



P1176 LTE 12_16QAM_10M_Right Tilted_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.124 W/kg

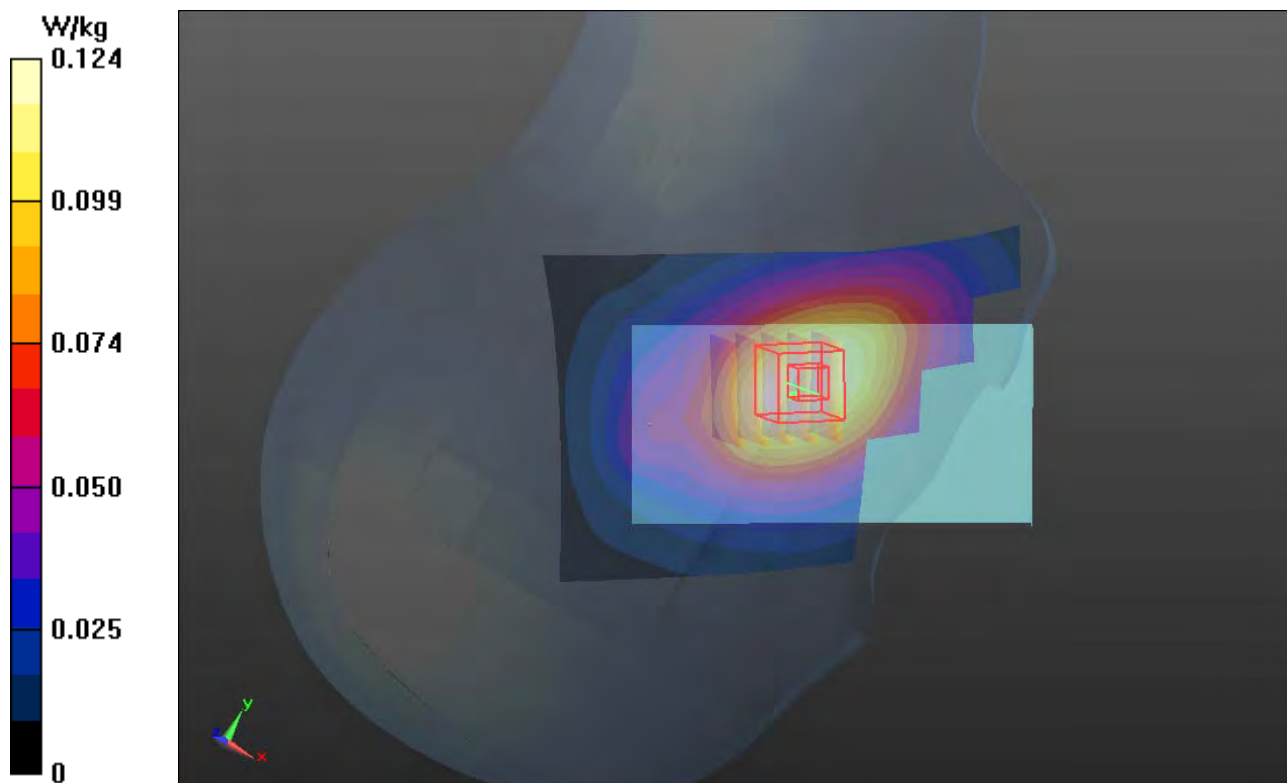
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.013 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.133 mW/g

SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.122 W/kg



P263 LTE12_16QAM_10M_Left Cheek_Ch23130_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.285 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.913 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.310 mW/g

SAR(1 g) = 0.252 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.284 W/kg

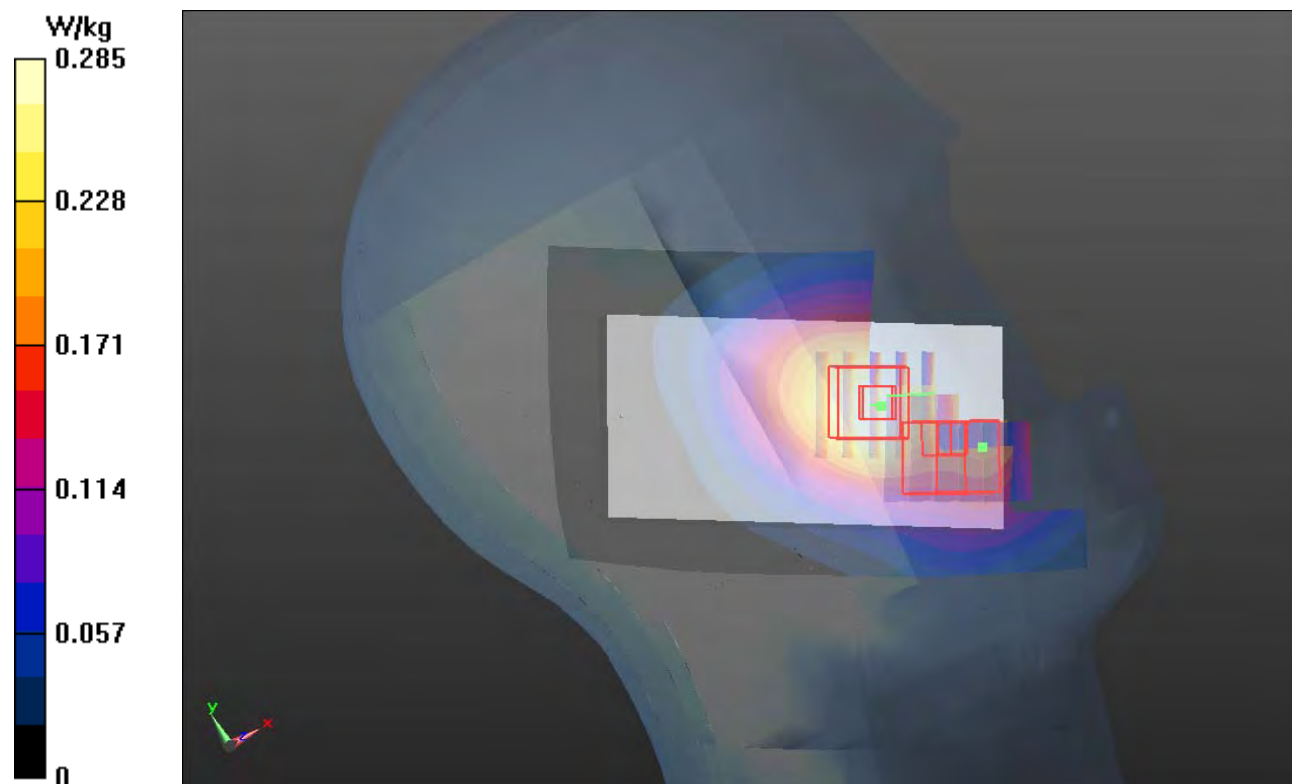
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.913 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.278 mW/g

SAR(1 g) = 0.165 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.252 W/kg



P1177 LTE 12_16QAM_10M_Left Tilted_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.127 W/kg

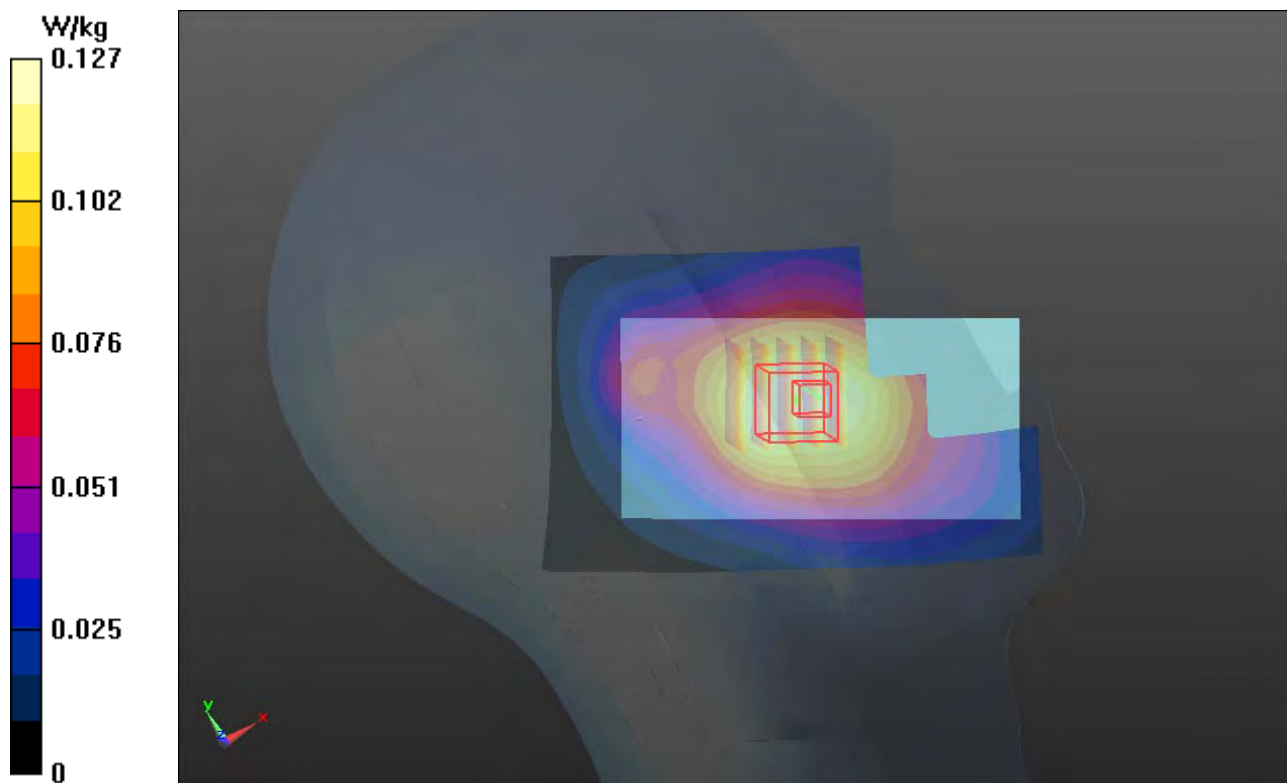
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.727 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.138 mW/g

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.090 mW/g

Maximum value of SAR (measured) = 0.128 W/kg



P1178 LTE 12_16QAM_10M_Right Cheek_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.565 W/kg

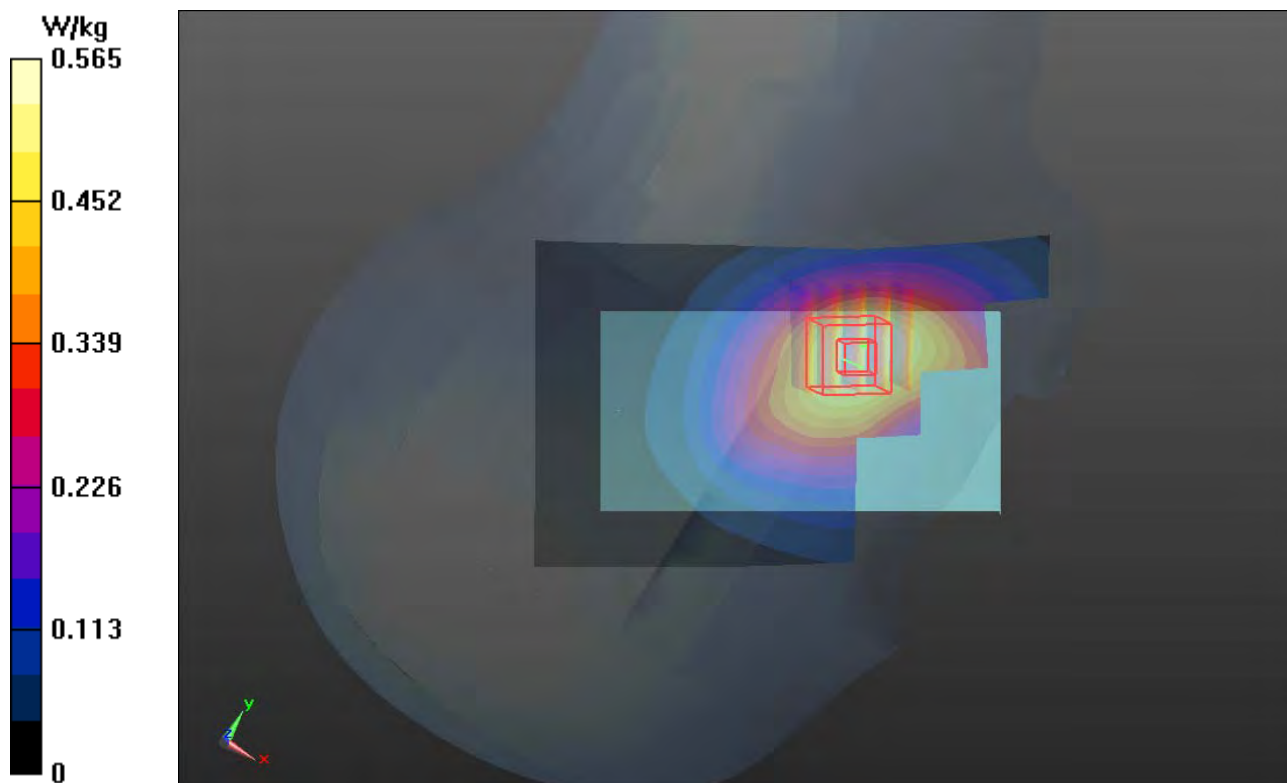
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.385 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.615 mW/g

SAR(1 g) = 0.473 mW/g; SAR(10 g) = 0.346 mW/g

Maximum value of SAR (measured) = 0.544 W/kg



P1179 LTE 12_16QAM_10M_Right Tilted_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.245 W/kg

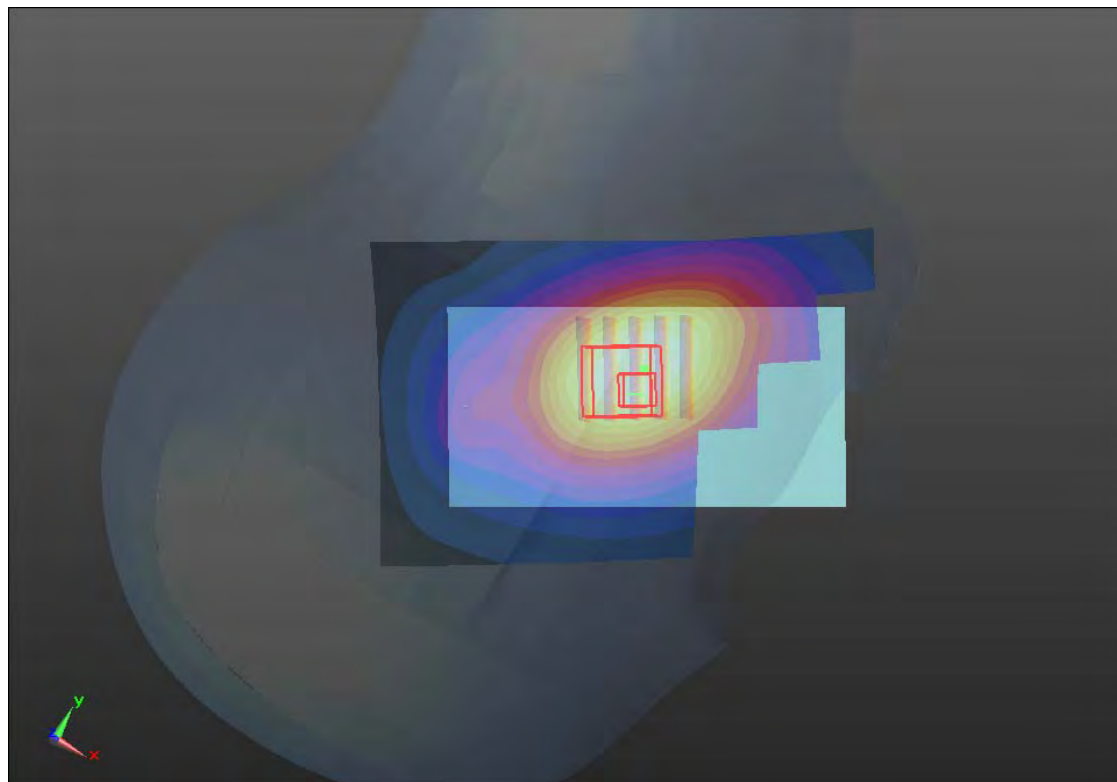
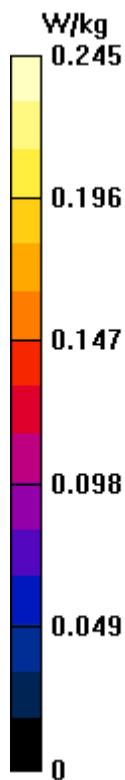
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.116 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.252 mW/g

SAR(1 g) = 0.206 mW/g; SAR(10 g) = 0.162 mW/g

Maximum value of SAR (measured) = 0.232 W/kg



P264 LTE12_16QAM_10M_Left Cheek_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.511 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.939 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.550 mW/g

SAR(1 g) = 0.446 mW/g; SAR(10 g) = 0.344 mW/g

Maximum value of SAR (measured) = 0.505 W/kg

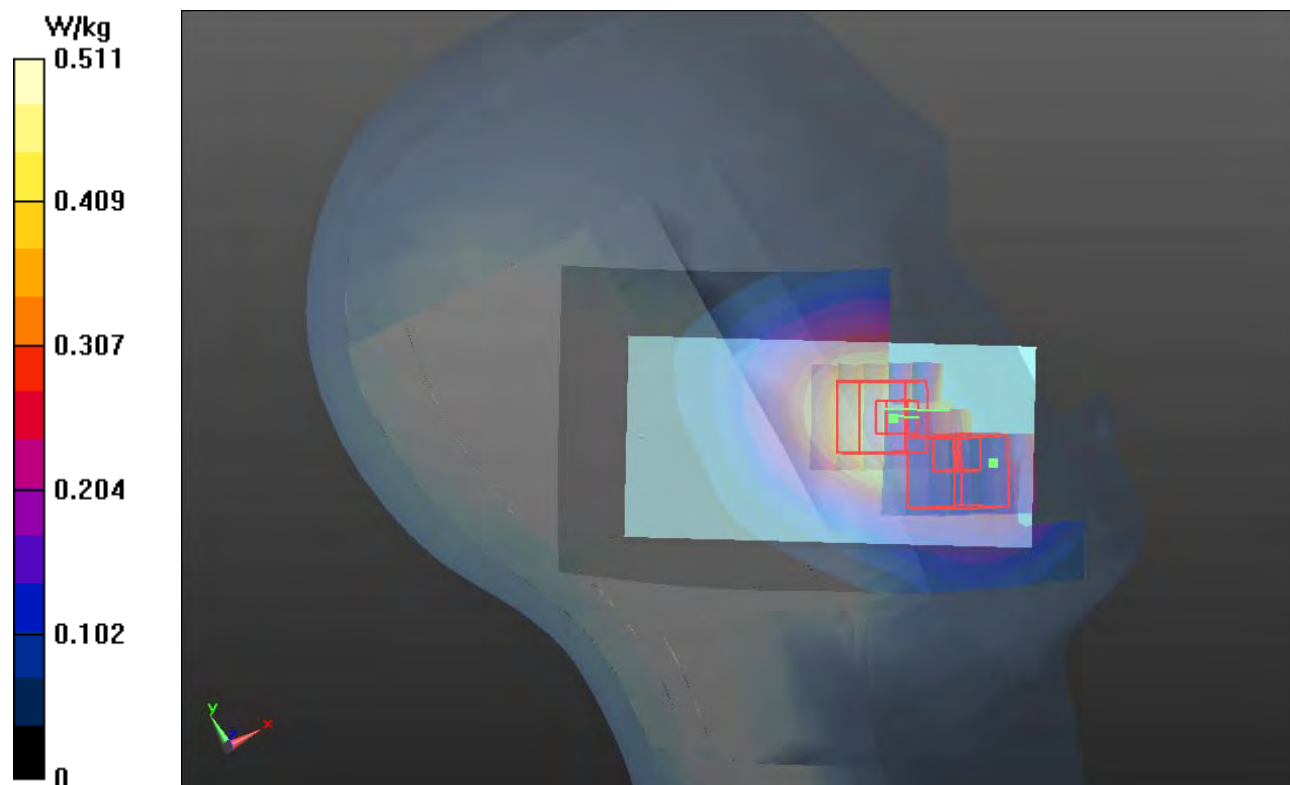
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.939 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.500 mW/g

SAR(1 g) = 0.295 mW/g; SAR(10 g) = 0.201 mW/g

Maximum value of SAR (measured) = 0.447 W/kg



P1180 LTE 12_16QAM_10M_Left Tilted_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.242 W/kg

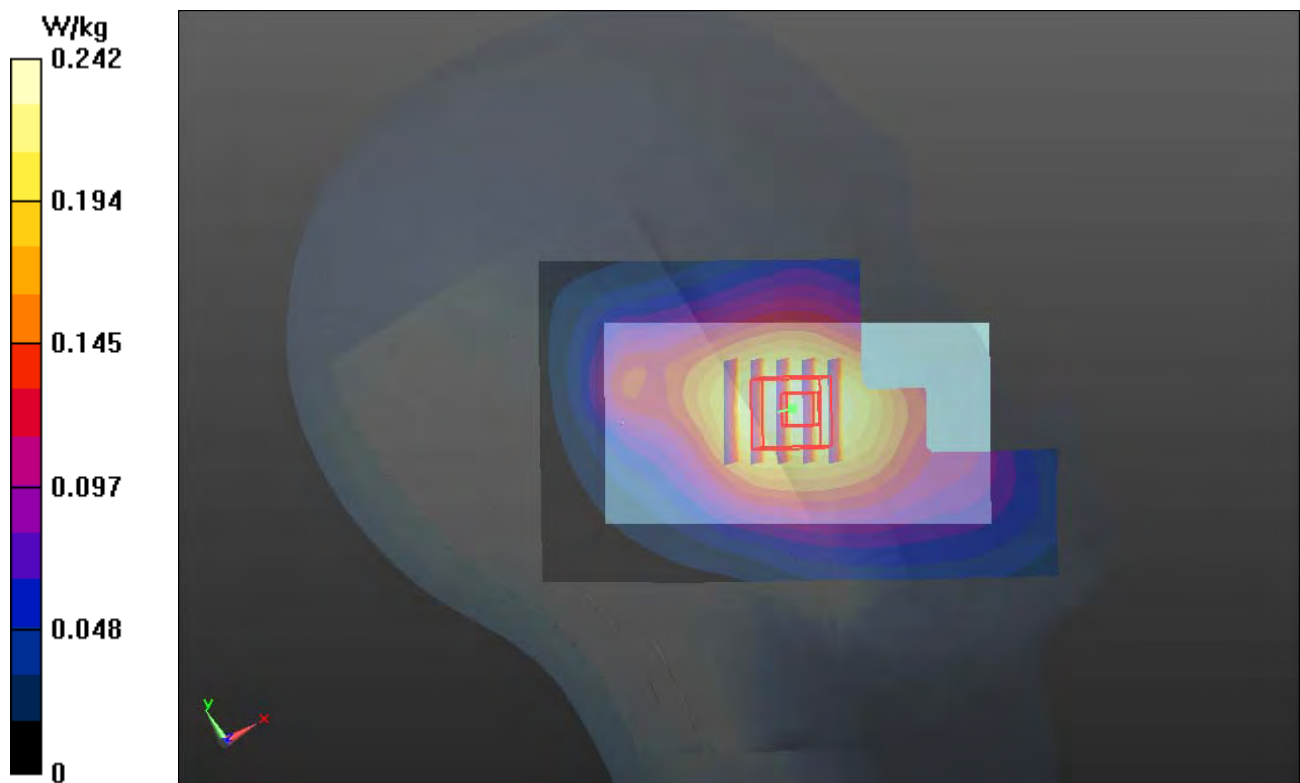
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.262 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.255 mW/g

SAR(1 g) = 0.210 mW/g; SAR(10 g) = 0.166 mW/g

Maximum value of SAR (measured) = 0.234 W/kg



P1181 LTE 12_16QAM_10M_Right Cheek_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.294 W/kg

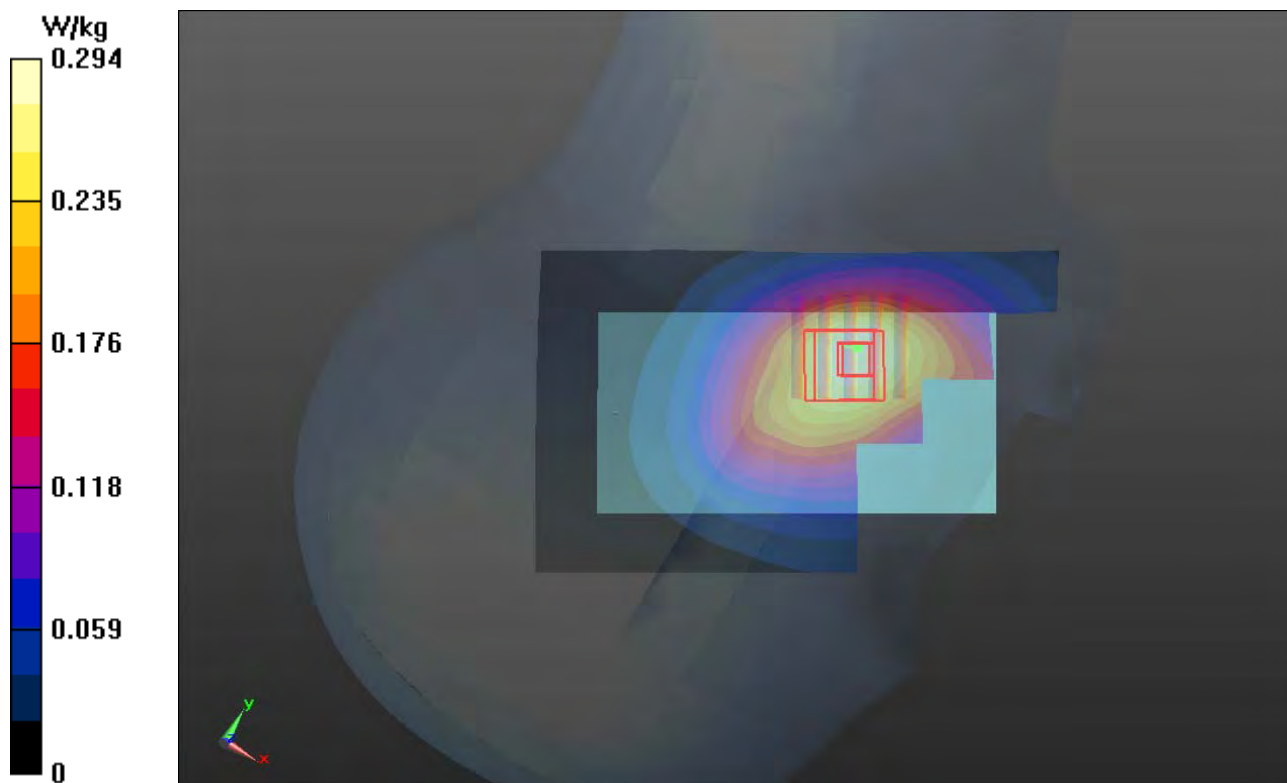
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.715 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.331 mW/g

SAR(1 g) = 0.251 mW/g; SAR(10 g) = 0.184 mW/g

Maximum value of SAR (measured) = 0.296 W/kg



P1182 LTE 12_16QAM_10M_Right Tilted_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.156 W/kg

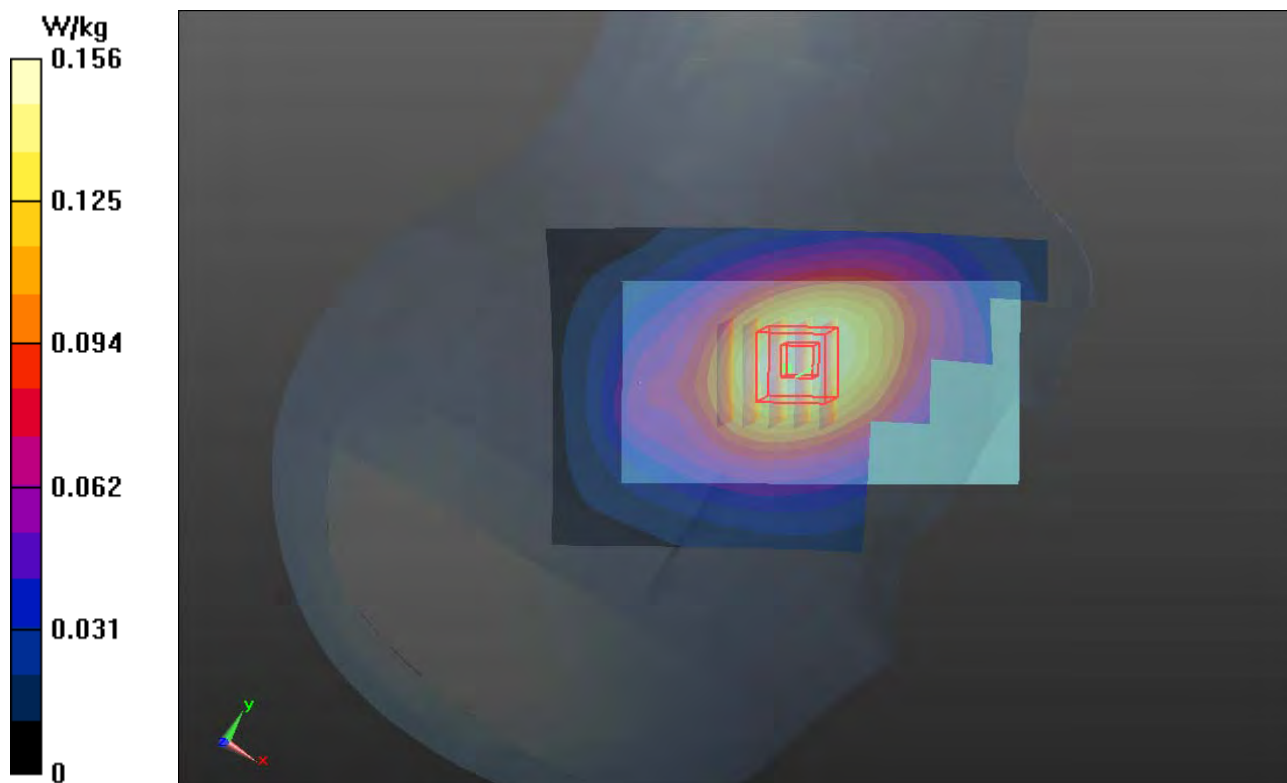
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.917 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.166 mW/g

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.154 W/kg



P265 LTE12_16QAM_10M_Left Cheek_Ch23130_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0903 Medium parameters used: $f = 711$ MHz; $\sigma = 0.875$ mho/m; $\epsilon_r = 40.987$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.291 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.187 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.308 mW/g

SAR(1 g) = 0.255 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.289 W/kg

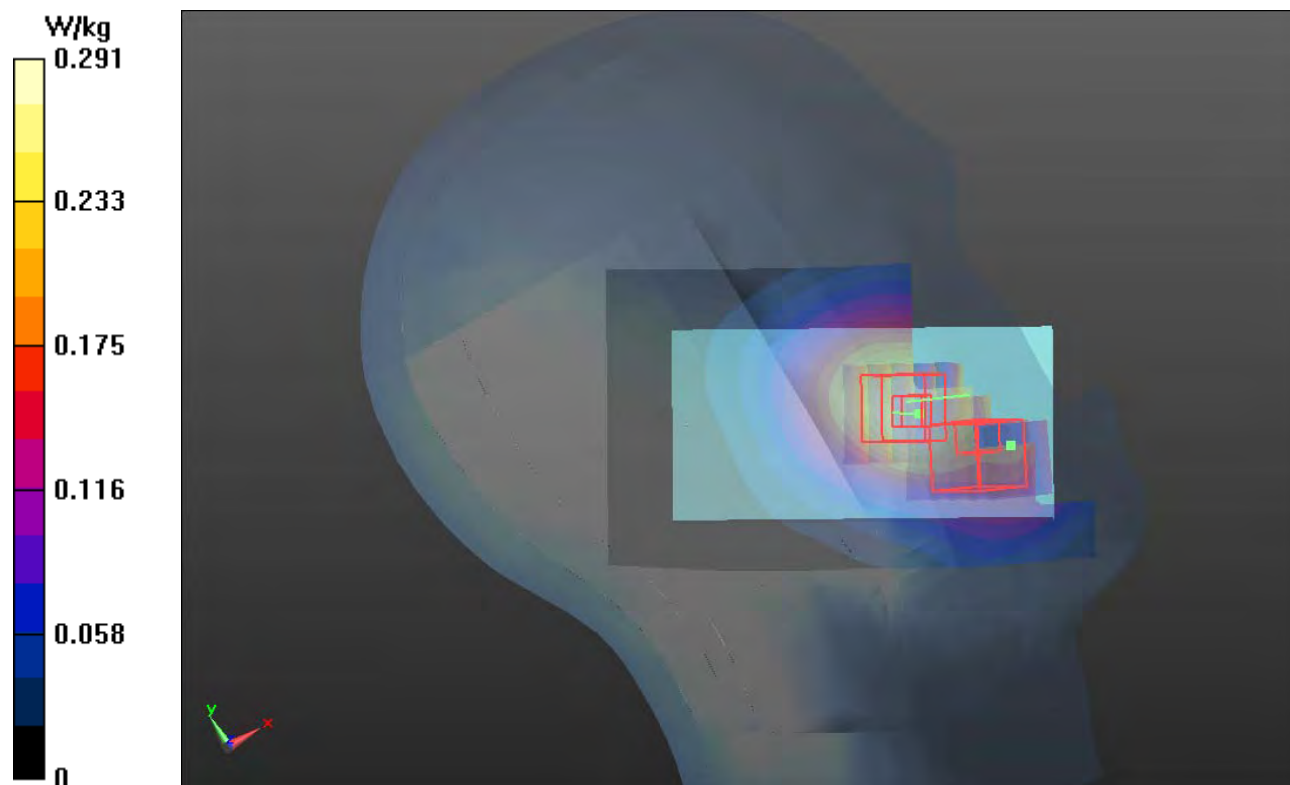
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.187 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.270 mW/g

SAR(1 g) = 0.163 mW/g; SAR(10 g) = 0.113 mW/g

Maximum value of SAR (measured) = 0.246 W/kg



P1183 LTE 12_16QAM_10M_Left Tilted_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

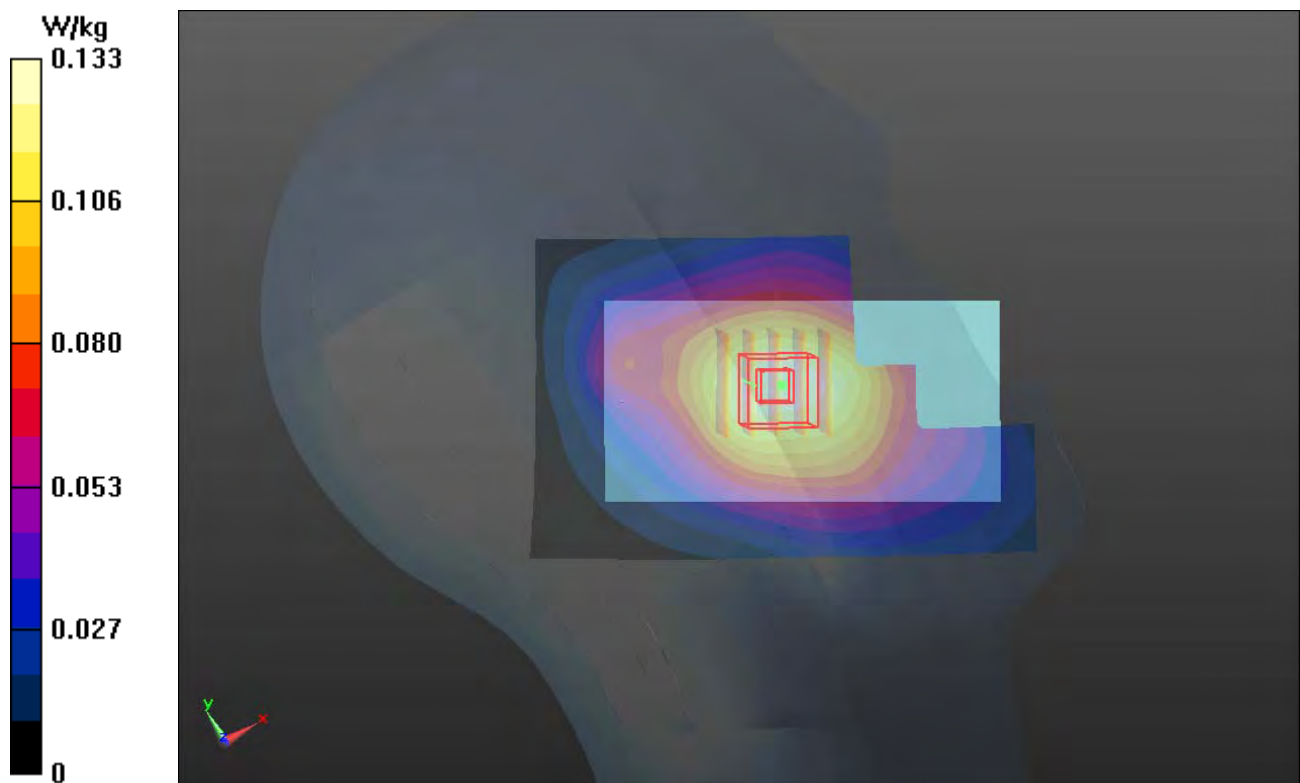
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

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

Peak SAR (extrapolated) = 0.135 mW/g

SAR(1 g) = 0.113 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.126 W/kg



P1308 LTE 12_QPSK_10M_Right Cheek_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.338 W/kg

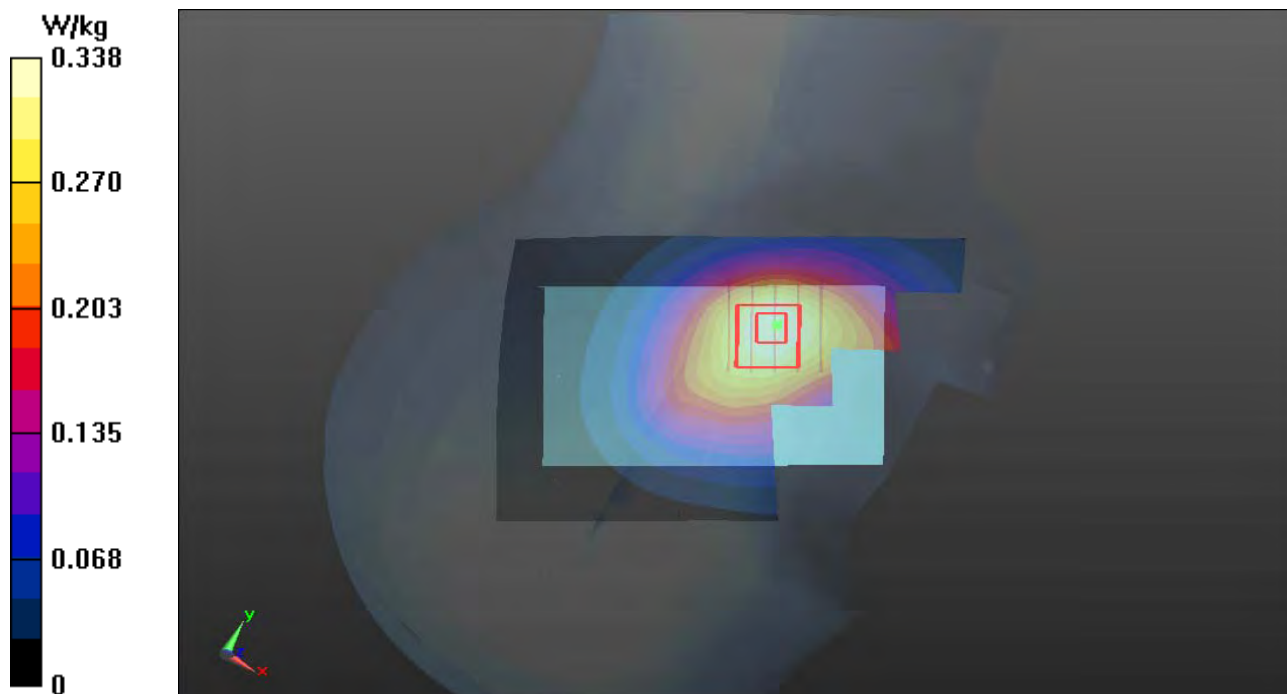
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.187 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.357 mW/g

SAR(1 g) = 0.271 mW/g; SAR(10 g) = 0.196 mW/g

Maximum value of SAR (measured) = 0.320 W/kg



P1302 LTE 12_QPSK_10M_Right Tilted_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.030 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.138 mW/g

SAR(1 g) = 0.116 mW/g; SAR(10 g) = 0.091 mW/g

Maximum value of SAR (measured) = 0.128 W/kg



P1303 LTE 12_QPSK_10M_Left Cheek_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.260 W/kg

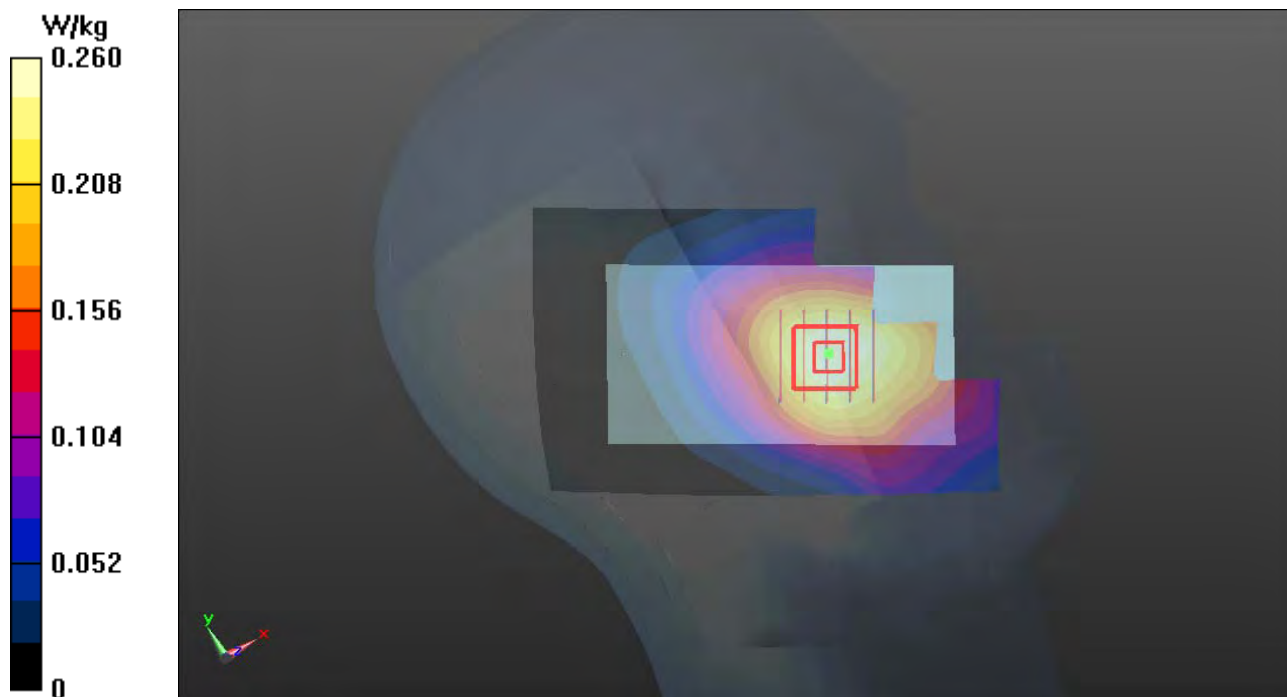
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.368 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.279 mW/g

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.179 mW/g

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



P1304 LTE 12_QPSK_10M_Left Tilted_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.152 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.616 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.129 mW/g

SAR(1 g) = 0.110 mW/g; SAR(10 g) = 0.089 mW/g

Maximum value of SAR (measured) = 0.120 W/kg

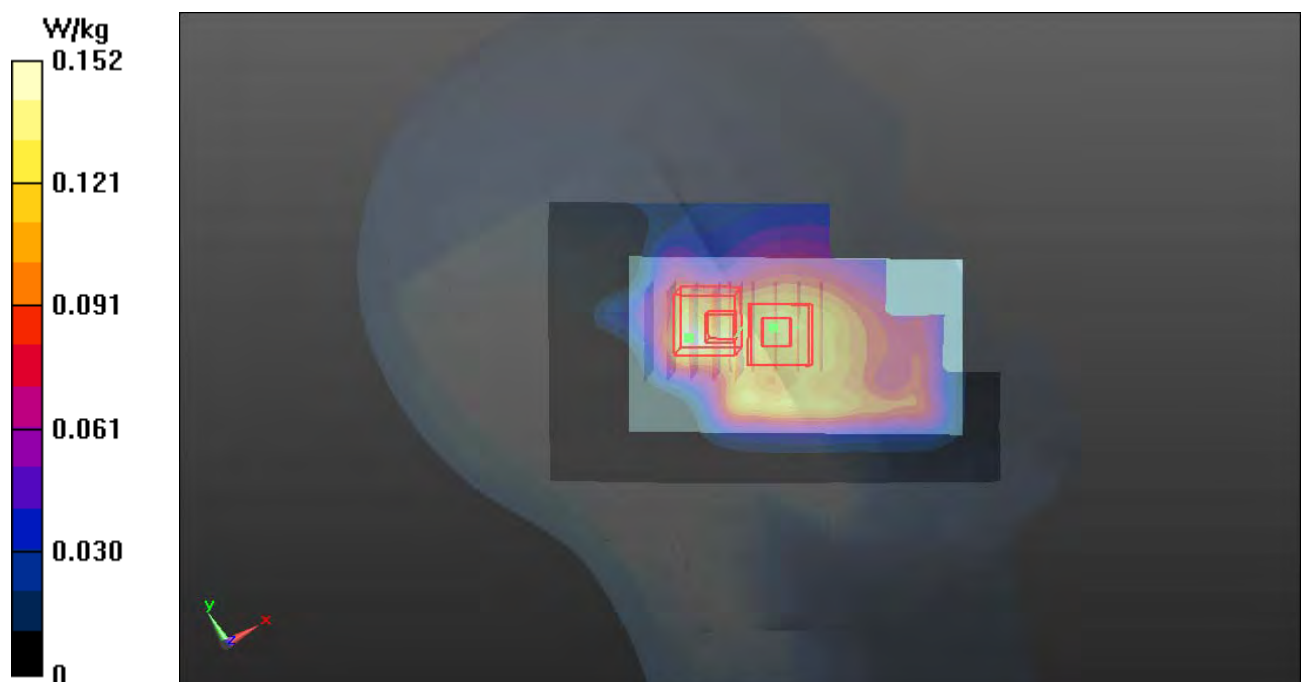
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.616 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.129 mW/g

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.118 W/kg



P401 LTE12_QPSK_10M_Right Cheek_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0925 Medium parameters used: $f = 711$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 42.067$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.236 W/kg

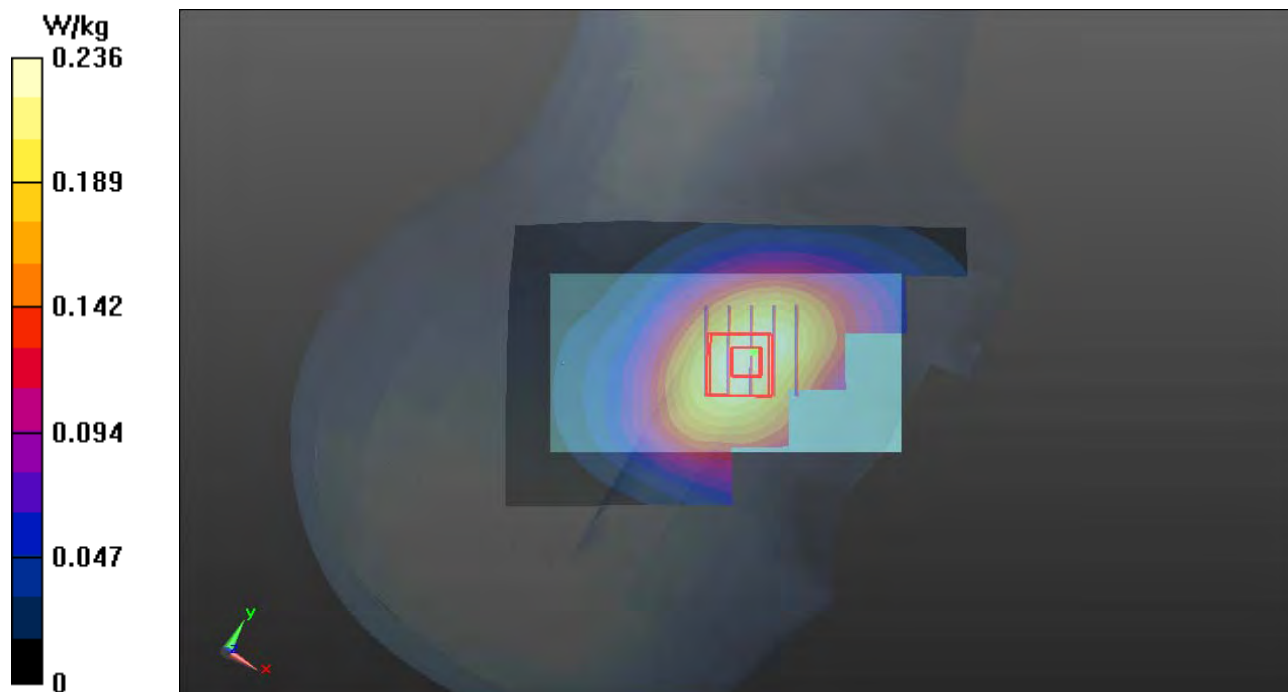
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.831 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.253 mW/g

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.161 mW/g

Maximum value of SAR (measured) = 0.236 W/kg



P402 LTE12_QPSK_10M_Right Tilted_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0925 Medium parameters used: $f = 711$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 42.067$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.134 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.365 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.374 mW/g

SAR(1 g) = 0.146 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.305 W/kg

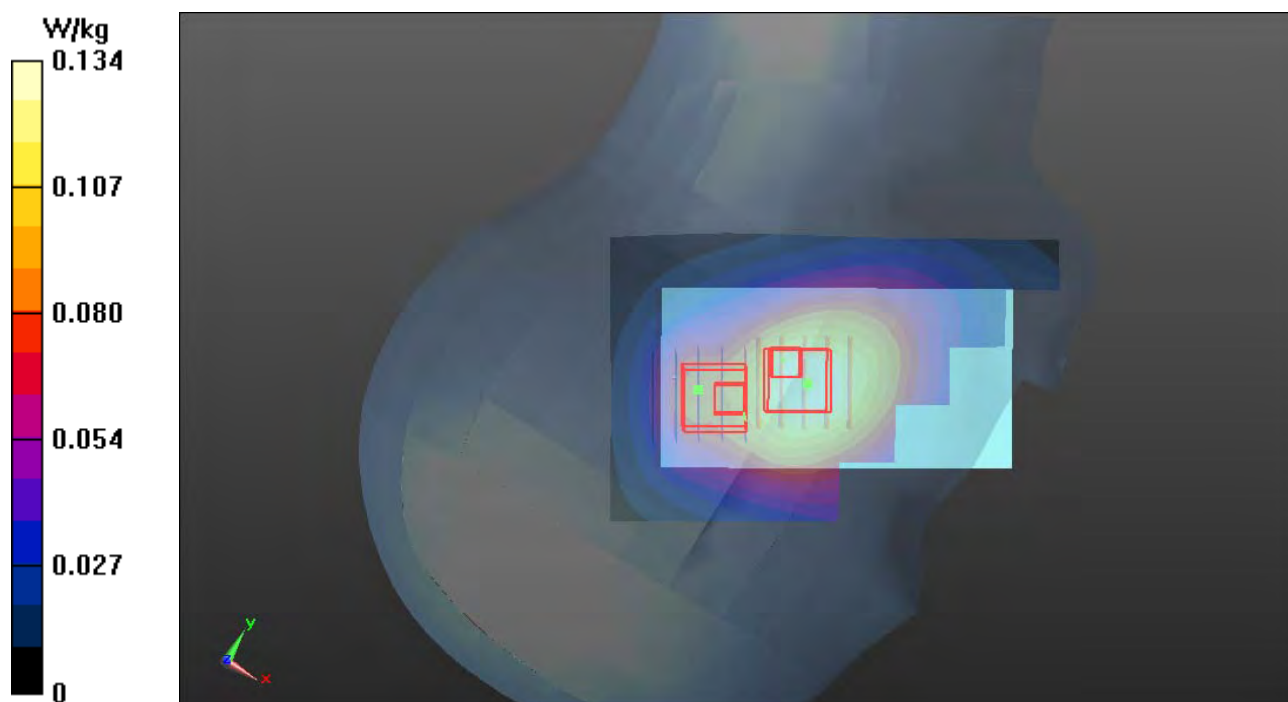
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.365 V/m; Power Drift = -0.19 dB

Peak SAR (extrapolated) = 0.115 mW/g

SAR(1 g) = 0.080 mW/g; SAR(10 g) = 0.054 mW/g

Maximum value of SAR (measured) = 0.105 W/kg



P403 LTE12_QPSK_10M_Left Cheek_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0925 Medium parameters used: $f = 711$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 42.067$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.339 W/kg

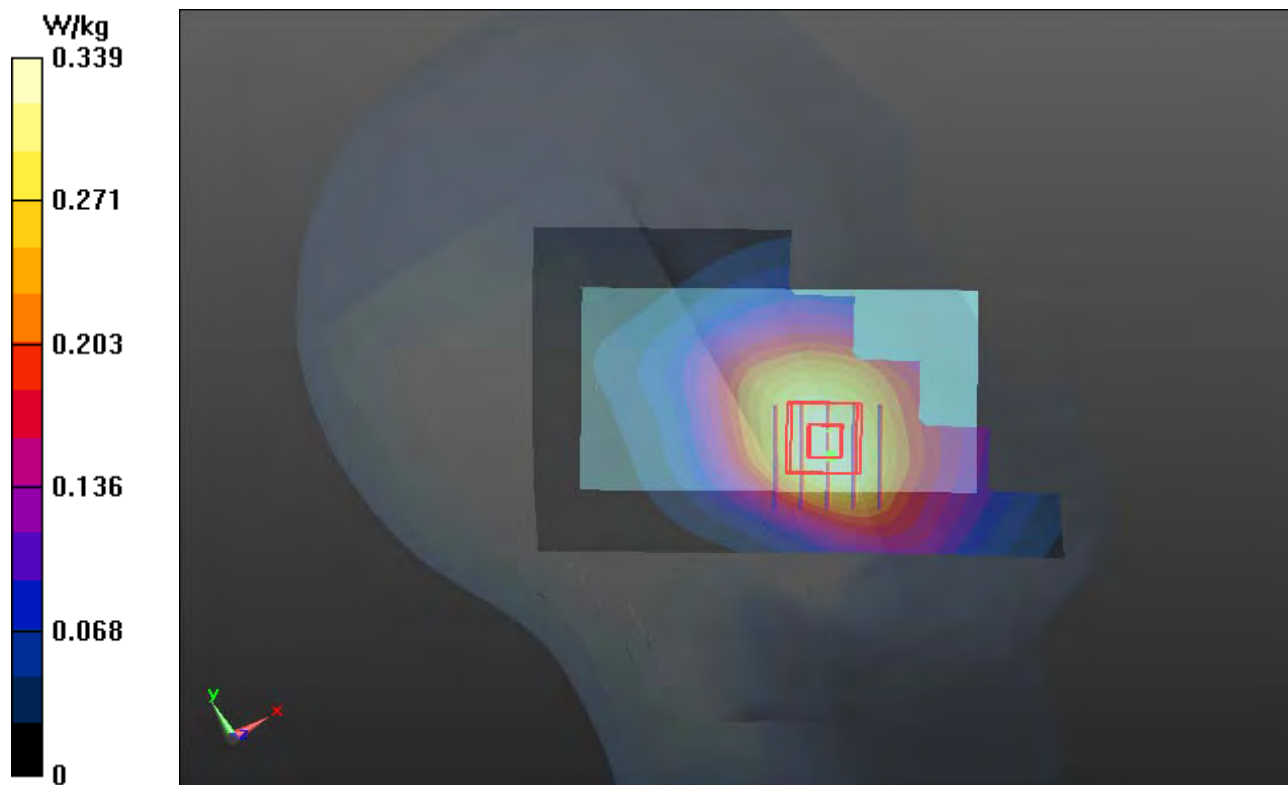
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.350 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.377 mW/g

SAR(1 g) = 0.312 mW/g; SAR(10 g) = 0.240 mW/g

Maximum value of SAR (measured) = 0.343 W/kg



P404 LTE12_QPSK_10M_Left Tilted_Ch23130_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_0925 Medium parameters used: $f = 711$ MHz; $\sigma = 0.857$ mho/m; $\epsilon_r = 42.067$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.2, 9.2, 9.2); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.100 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.190 mW/g

SAR(1 g) = 0.158 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.176 W/kg

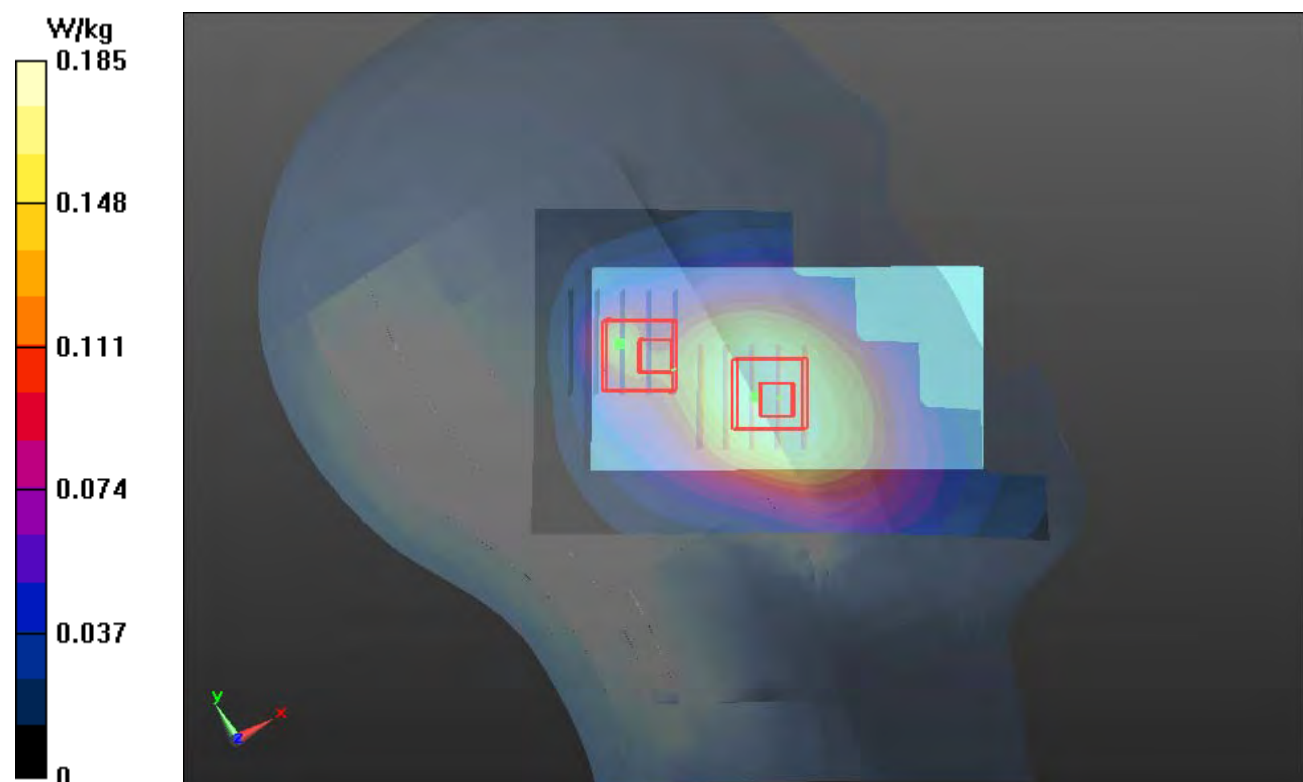
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.100 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.155 mW/g

SAR(1 g) = 0.088 mW/g; SAR(10 g) = 0.061 mW/g

Maximum value of SAR (measured) = 0.116 W/kg



P1305 LTE12_QPSK_10M_Right Cheek_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.282 W/kg

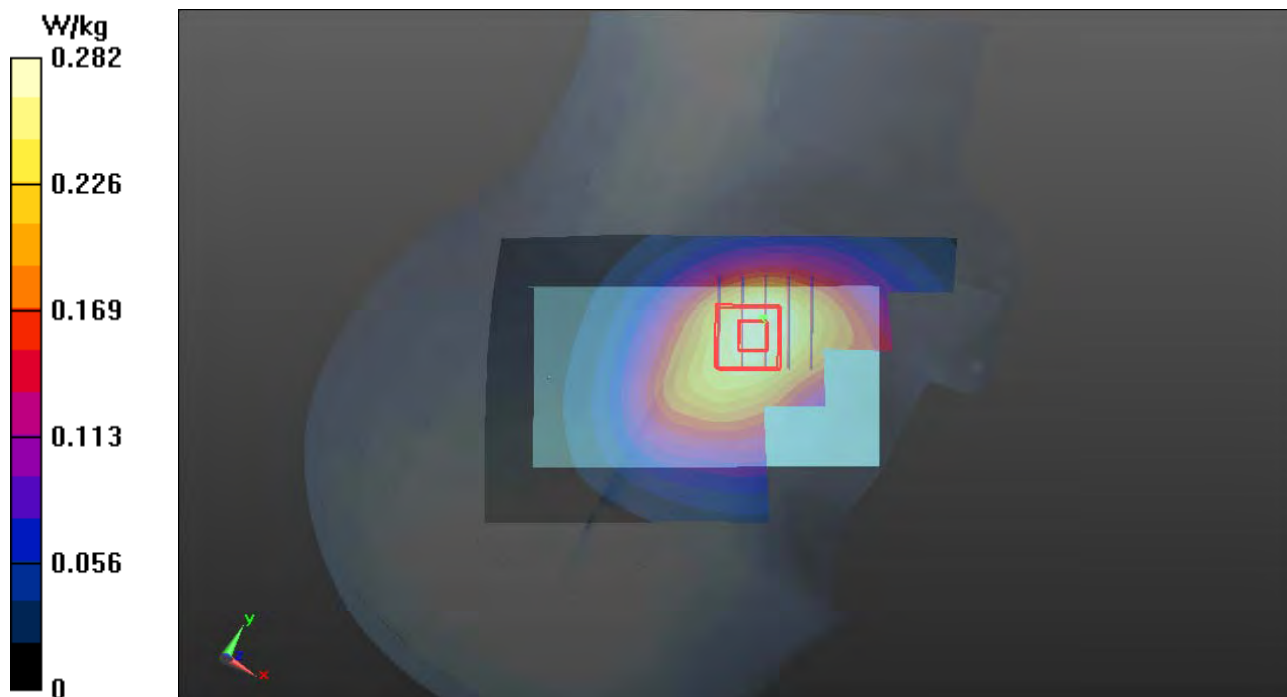
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.896 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.325 mW/g

SAR(1 g) = 0.249 mW/g; SAR(10 g) = 0.182 mW/g

Maximum value of SAR (measured) = 0.285 W/kg



P1306 LTE 12_QPSK_10M_Right Tilted_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.142 W/kg

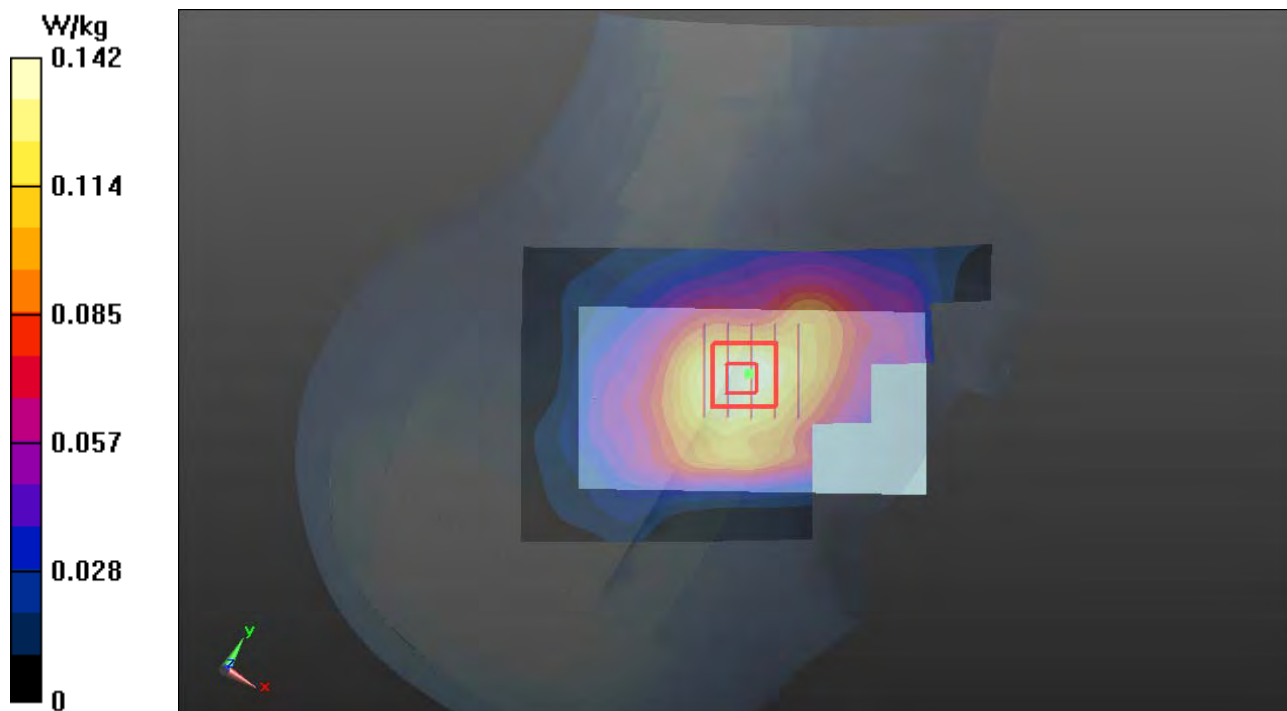
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.804 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.149 mW/g

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.097 mW/g

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



P1309 LTE 12_QPSK_10M_Left Cheek_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.344 W/kg

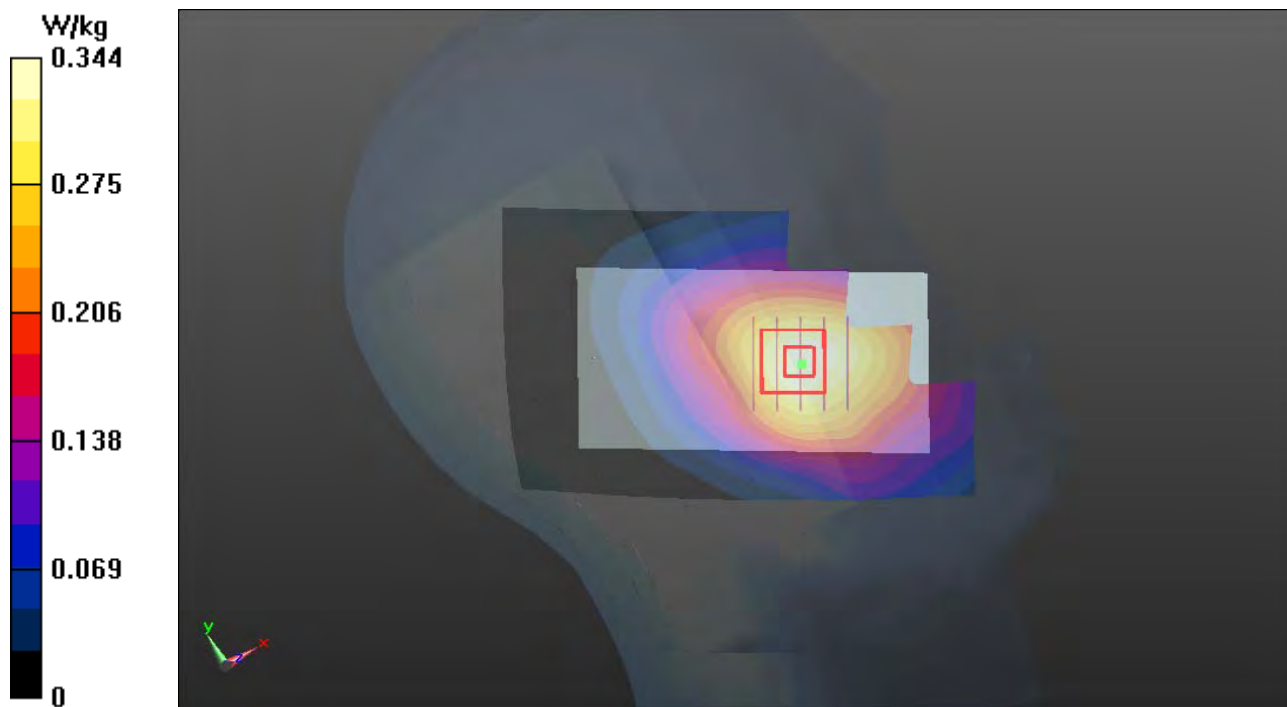
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.382 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.358 mW/g

SAR(1 g) = 0.299 mW/g; SAR(10 g) = 0.232 mW/g

Maximum value of SAR (measured) = 0.332 W/kg



P1310 LTE 12_QPSK_10M_Left Tilted_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.174 W/kg

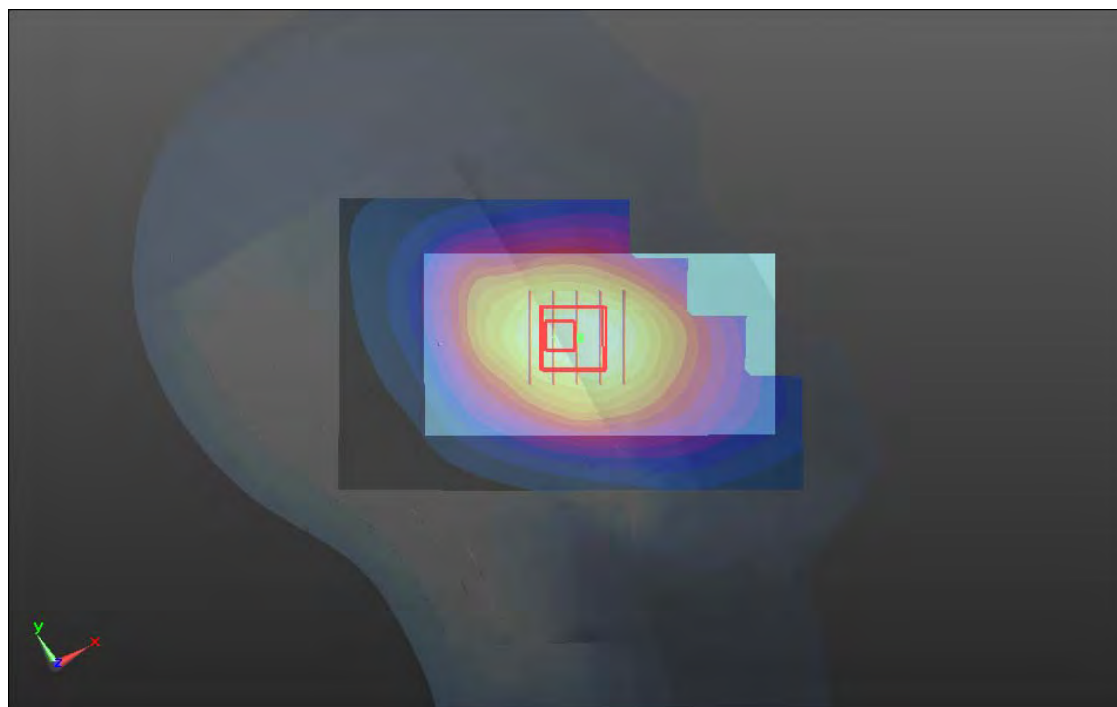
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.998 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.188 mW/g

SAR(1 g) = 0.155 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 0.174 W/kg



P1060 LTE12_16QAM_10M_Right Cheek_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.241 W/kg

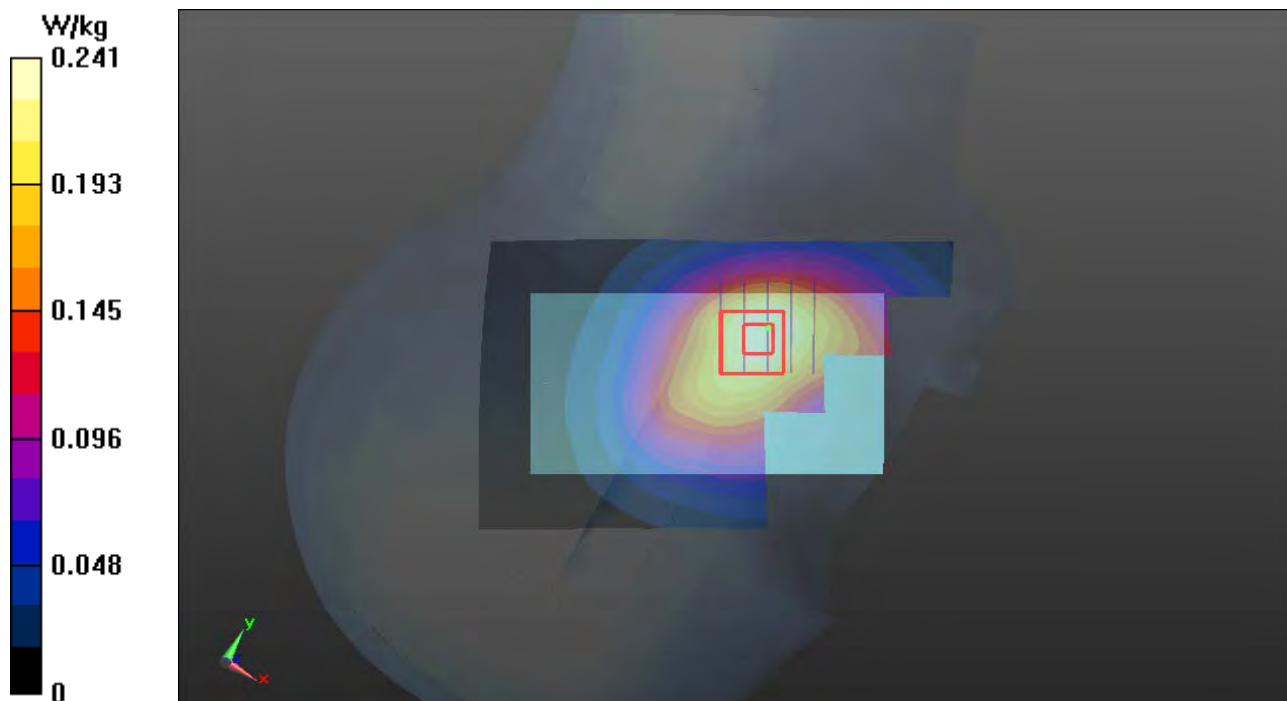
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.208 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.274 mW/g

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.153 mW/g

Maximum value of SAR (measured) = 0.242 W/kg



P1061 LTE 12_16QAM_10M_Right Tilted_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0923 W/kg

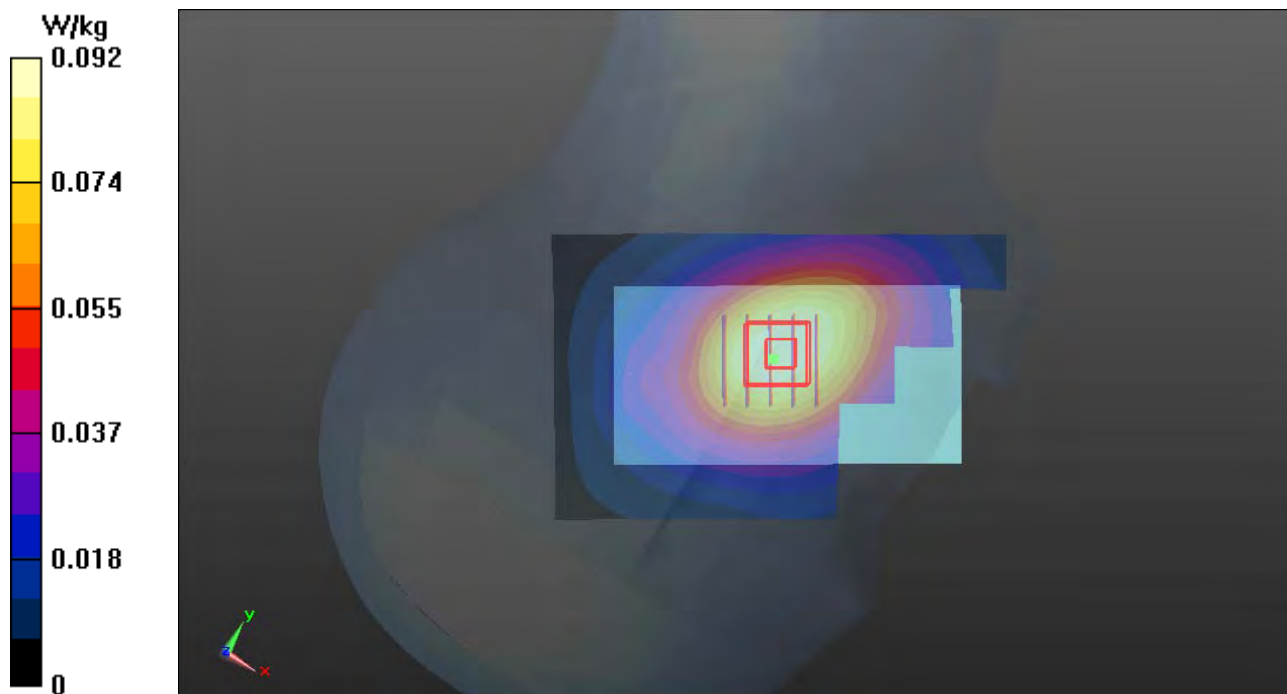
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.214 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.097 mW/g

SAR(1 g) = 0.081 mW/g; SAR(10 g) = 0.064 mW/g

Maximum value of SAR (measured) = 0.0896 W/kg



P1062 LTE 12_16QAM_10M_Left Cheek_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.195 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.963 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.218 mW/g

SAR(1 g) = 0.173 mW/g; SAR(10 g) = 0.133 mW/g

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

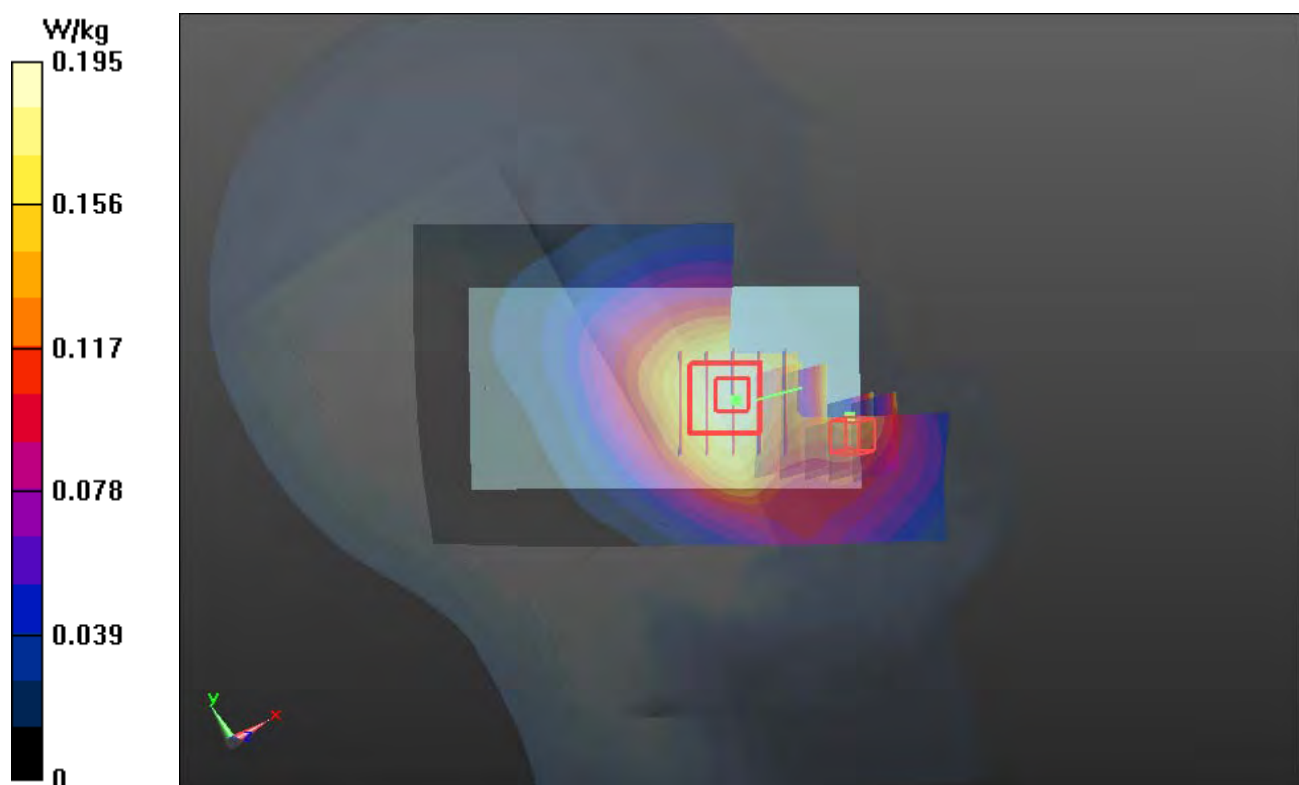
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.963 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.207 mW/g

SAR(1 g) = 0.112 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.177 W/kg



P1063 LTE 12_16QAM_10M_Left Tilted_Ch23130_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0843 W/kg

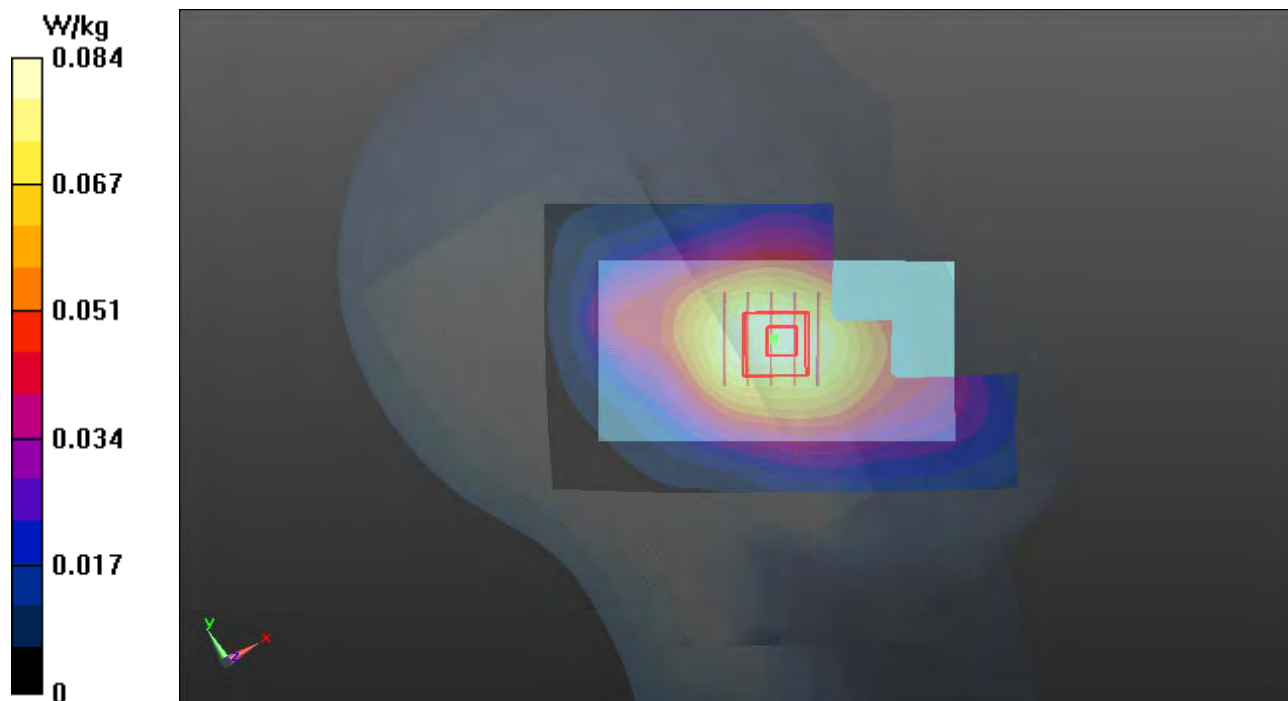
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.277 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.091 mW/g

SAR(1 g) = 0.075 mW/g; SAR(10 g) = 0.060 mW/g

Maximum value of SAR (measured) = 0.0841 W/kg



P1064 LTE12_16QAM_10M_Right Cheek_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.230 W/kg

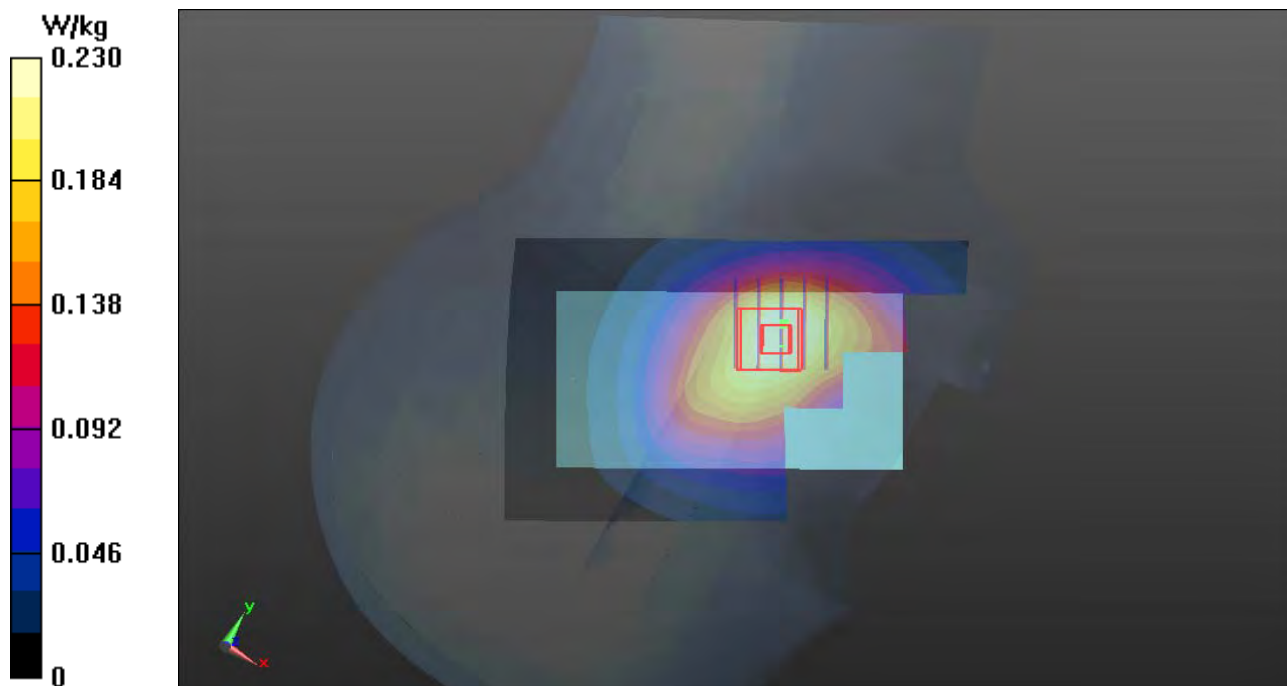
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.357 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.253 mW/g

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.144 mW/g

Maximum value of SAR (measured) = 0.224 W/kg



P1065 LTE 12_16QAM_10M_Right Tilted_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.111 W/kg

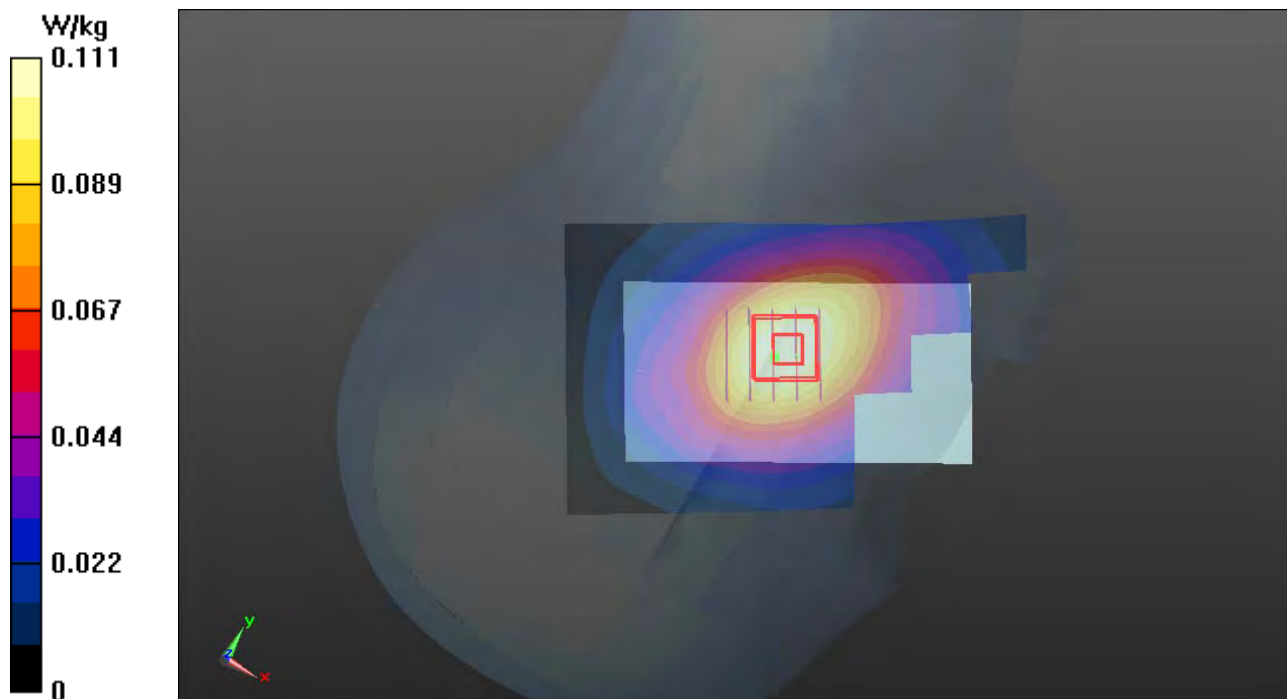
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.891 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.117 mW/g

SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.108 W/kg



P1066 LTE 12_16QAM_10M_Left Cheek_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.233 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.283 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.250 mW/g

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.156 mW/g

Maximum value of SAR (measured) = 0.230 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm,

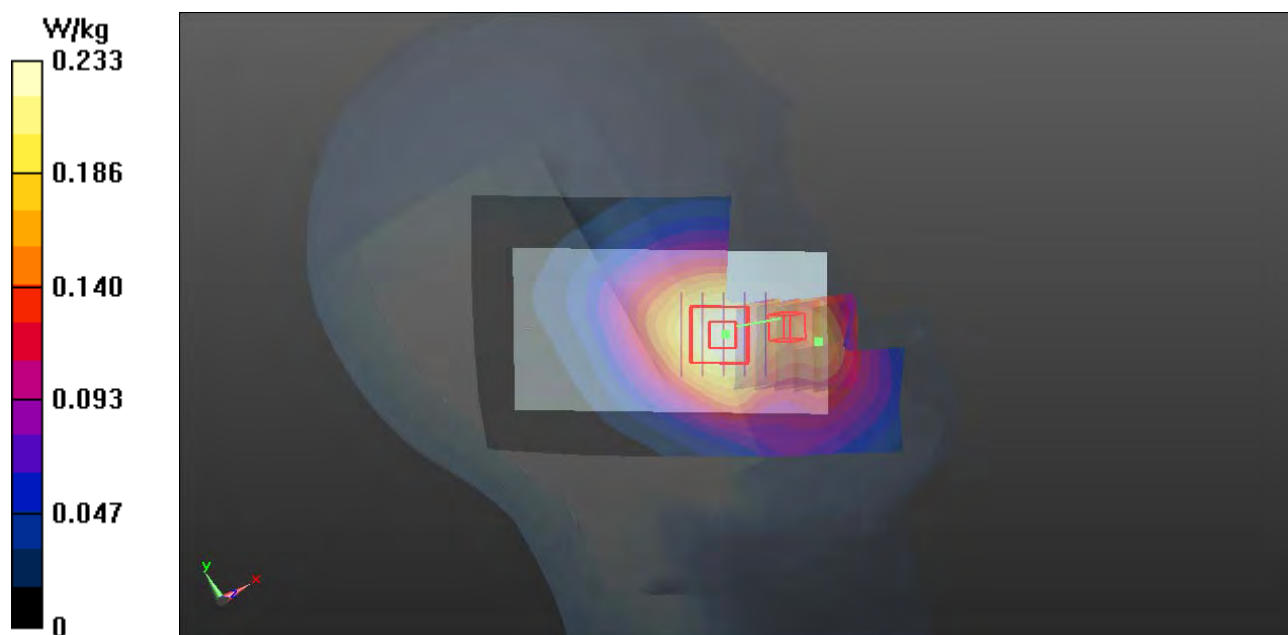
dy=8mm, dz=5mm

Reference Value = 4.283 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.217 mW/g

SAR(1 g) = 0.151 mW/g; SAR(10 g) = n.a.

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



P1067 LTE 12_16QAM_10M_Left Tilted_Ch23130_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0990 W/kg

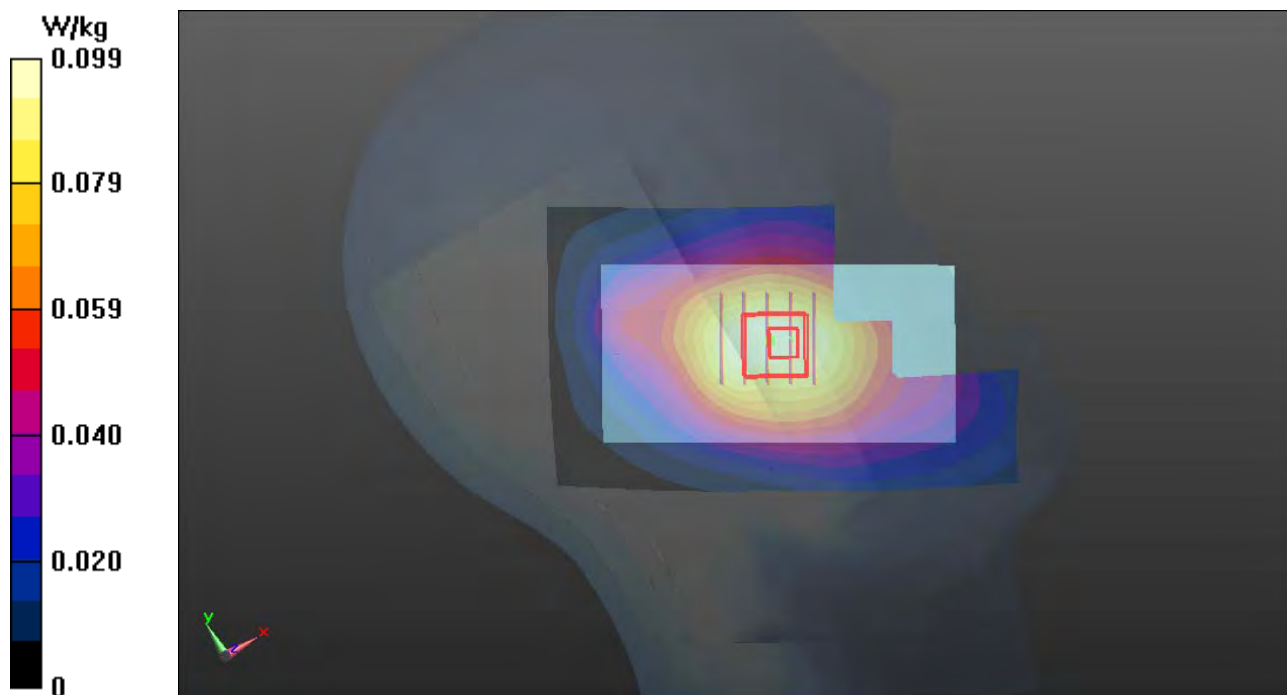
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.877 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.106 mW/g

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.069 mW/g

Maximum value of SAR (measured) = 0.0977 W/kg



P1068 LTE12_16QAM_10M_Right Cheek_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.235 W/kg

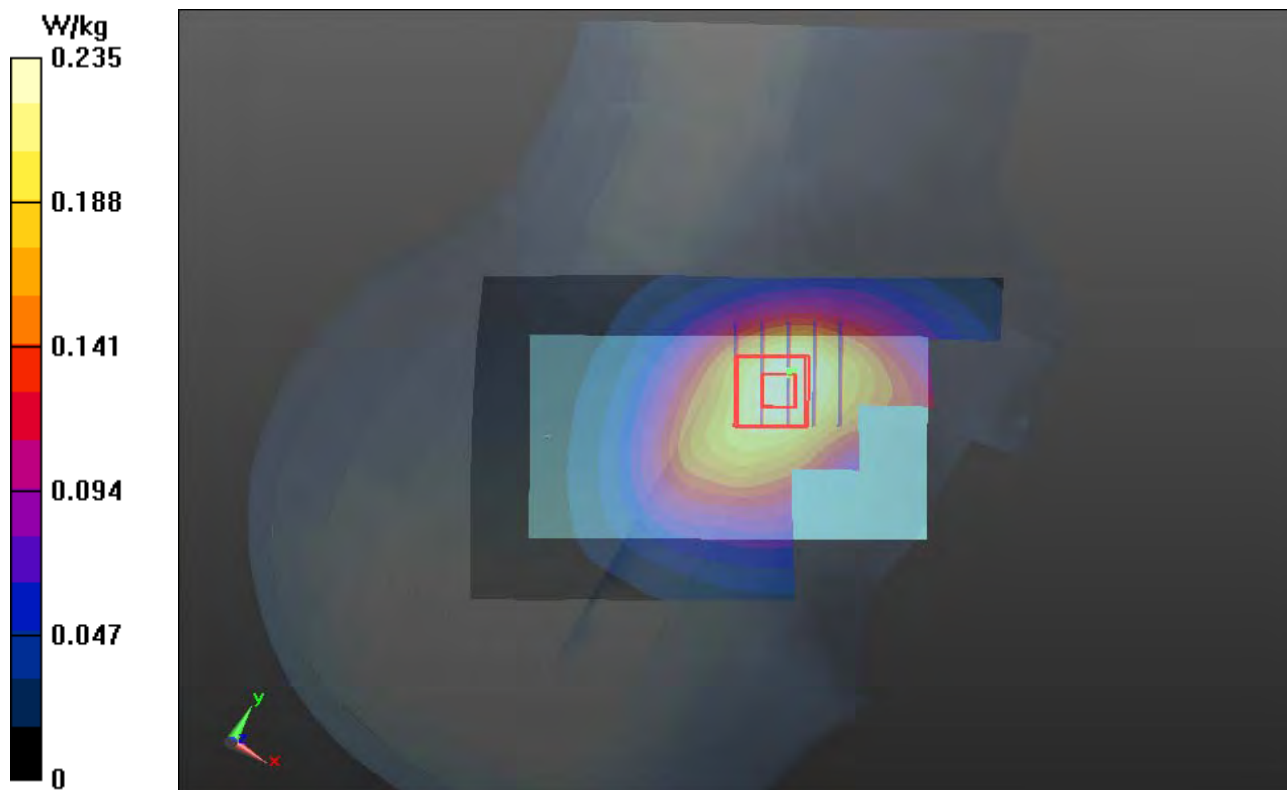
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.171 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.265 mW/g

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.150 mW/g

Maximum value of SAR (measured) = 0.233 W/kg



P1069 LTE12_16QAM_10M_Right Tilted_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.120 W/kg

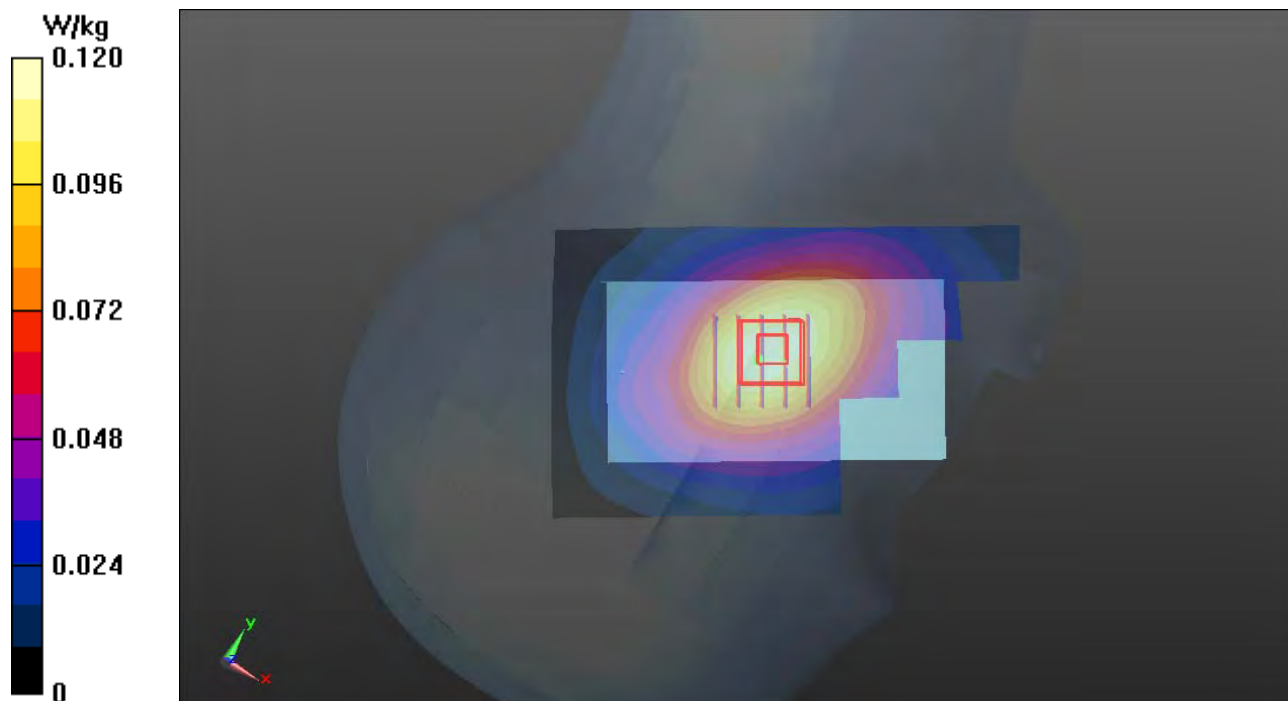
Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.188 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.126 mW/g

SAR(1 g) = 0.105 mW/g; SAR(10 g) = 0.082 mW/g

Maximum value of SAR (measured) = 0.116 W/kg



P1070 LTE 12_16QAM_10M_Left Cheek_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.234 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.339 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.253 mW/g

SAR(1 g) = 0.205 mW/g; SAR(10 g) = 0.158 mW/g

Maximum value of SAR (measured) = 0.233 W/kg

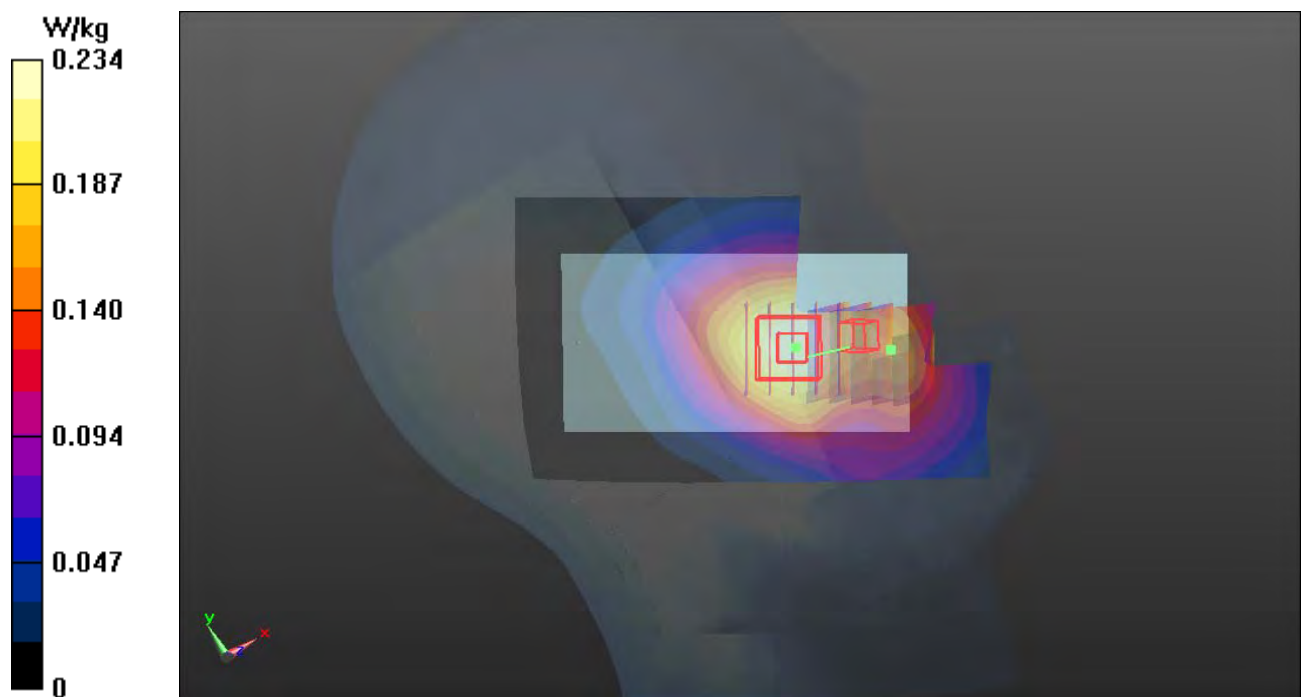
Ch23130/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.339 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.222 mW/g

SAR(1 g) = 0.154 mW/g; SAR(10 g) = n.a.

Maximum value of SAR (measured) = 0.198 W/kg



P1071 LTE 12_16QAM_10M_Left Tilted_Ch23130_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750_1019 Medium parameters used: $f = 711$ MHz; $\sigma = 0.851$ mho/m; $\epsilon_r = 40.538$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.62, 10.62, 10.62); Calibrated: 2012/02/23;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/08/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch23130/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0981 W/kg

Ch23130/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.879 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.107 mW/g

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.0973 W/kg

