

P234 LTE25_QPSK_10M_Right Cheek_Ch26365_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

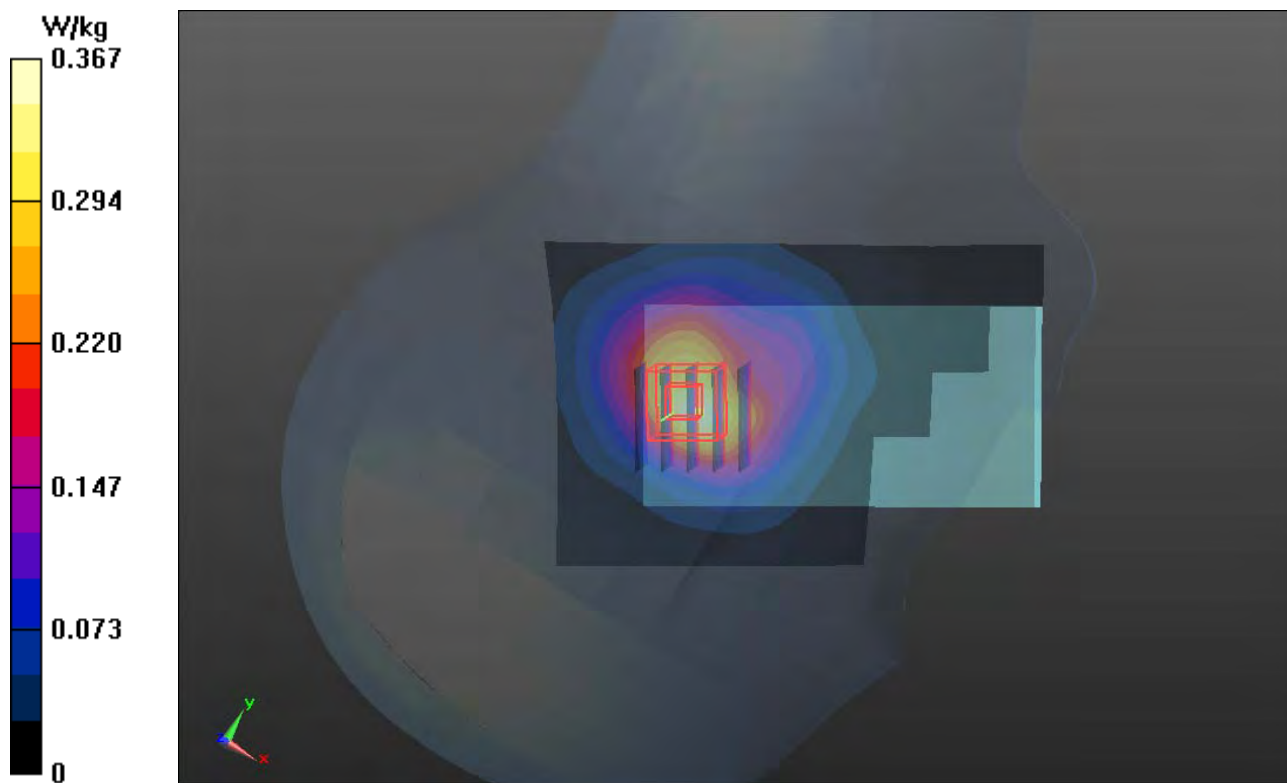
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.687 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.408 mW/g

SAR(1 g) = 0.264 mW/g; SAR(10 g) = 0.167 mW/g

Maximum value of SAR (measured) = 0.332 W/kg



P235 LTE25_QPSK_10M_Right Tilted_Ch26365_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.516 W/kg

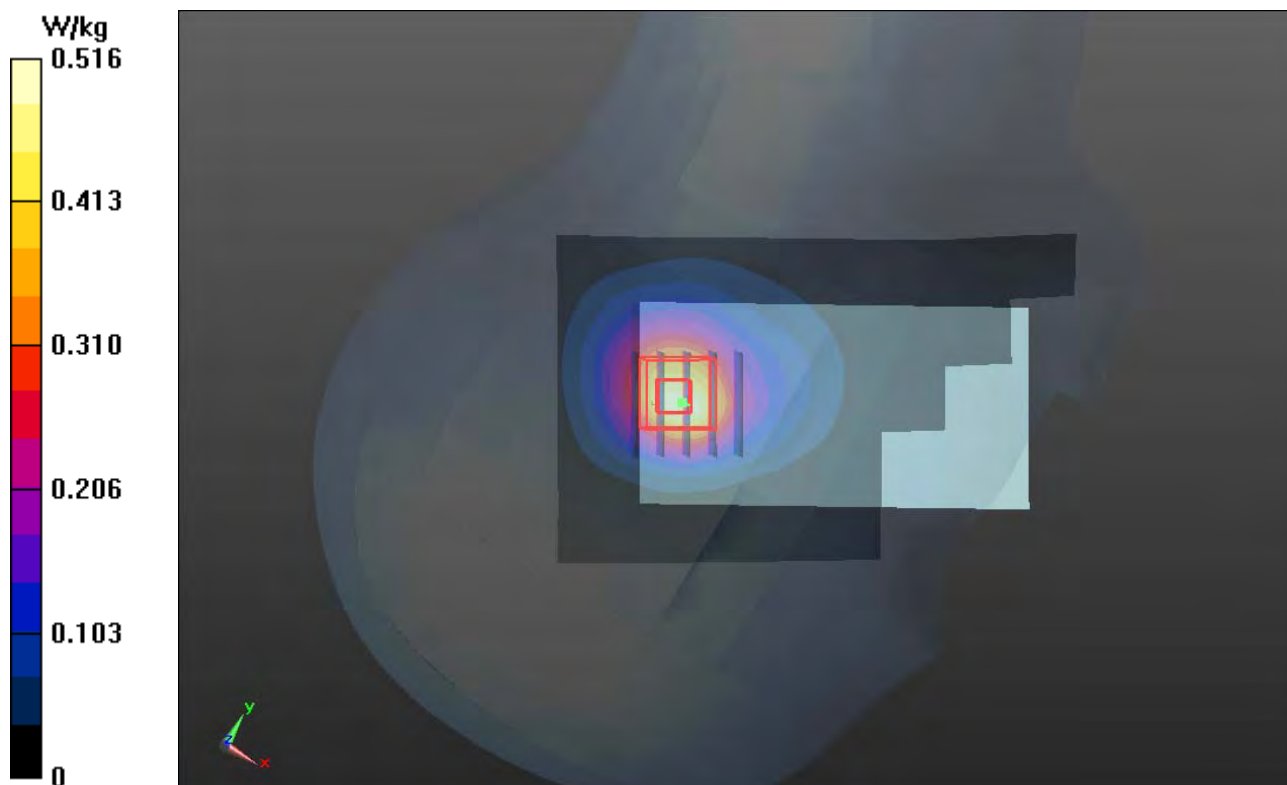
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.346 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.605 mW/g

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

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



P236 LTE25_QPSK_10M_Left Cheek_Ch26365_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.395 W/kg

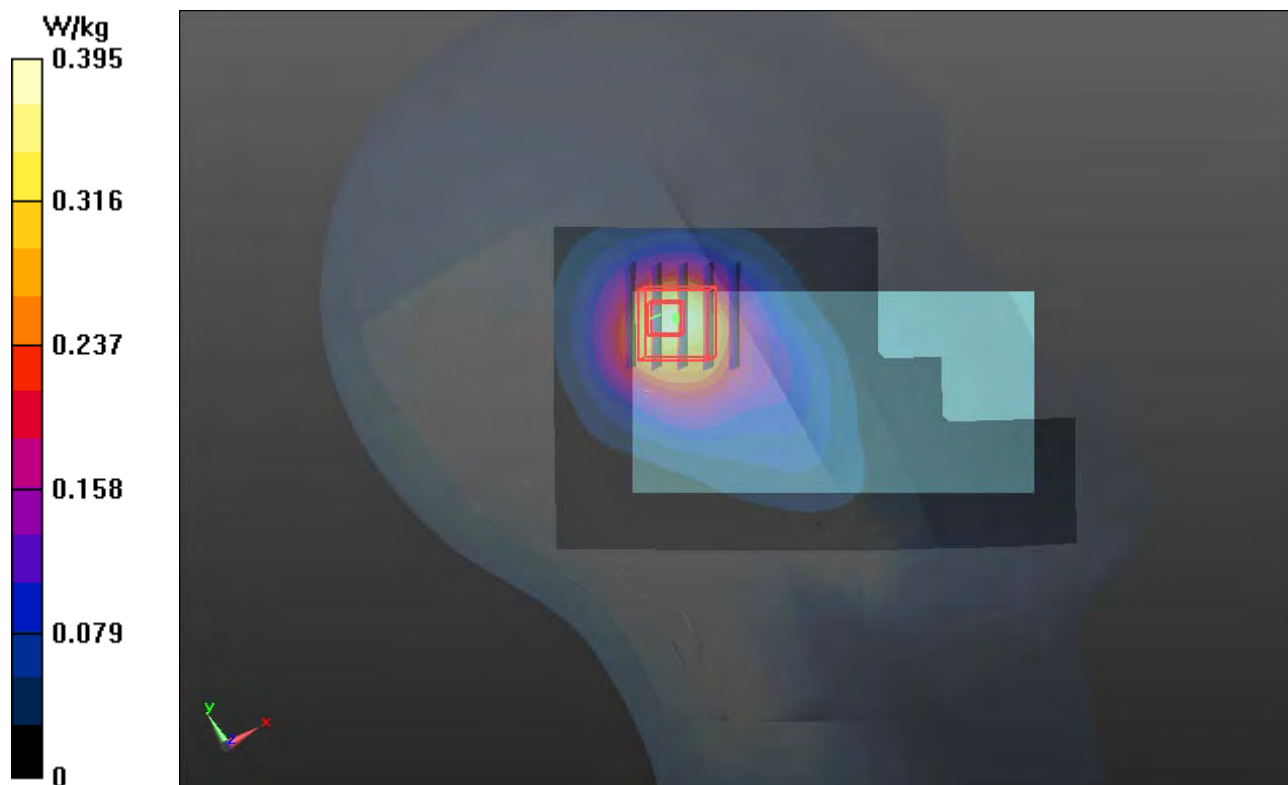
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.964 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.484 mW/g

SAR(1 g) = 0.285 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 0.380 W/kg



P237 LTE25_QPSK_10M_Left Tilted_Ch26365_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.389 W/kg

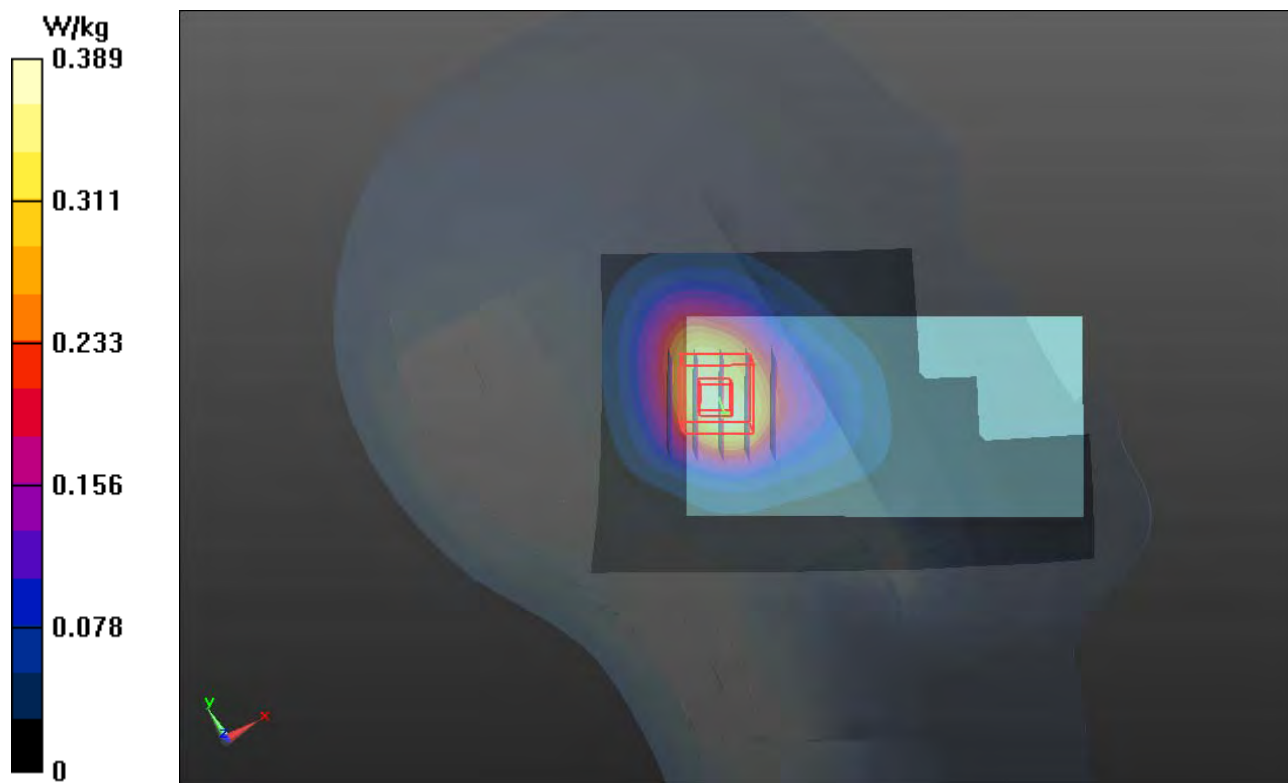
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.211 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.472 mW/g

SAR(1 g) = 0.301 mW/g; SAR(10 g) = 0.183 mW/g

Maximum value of SAR (measured) = 0.380 W/kg



P238 LTE25_QPSK_10M_Right Cheek_Ch26365_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.420 W/kg

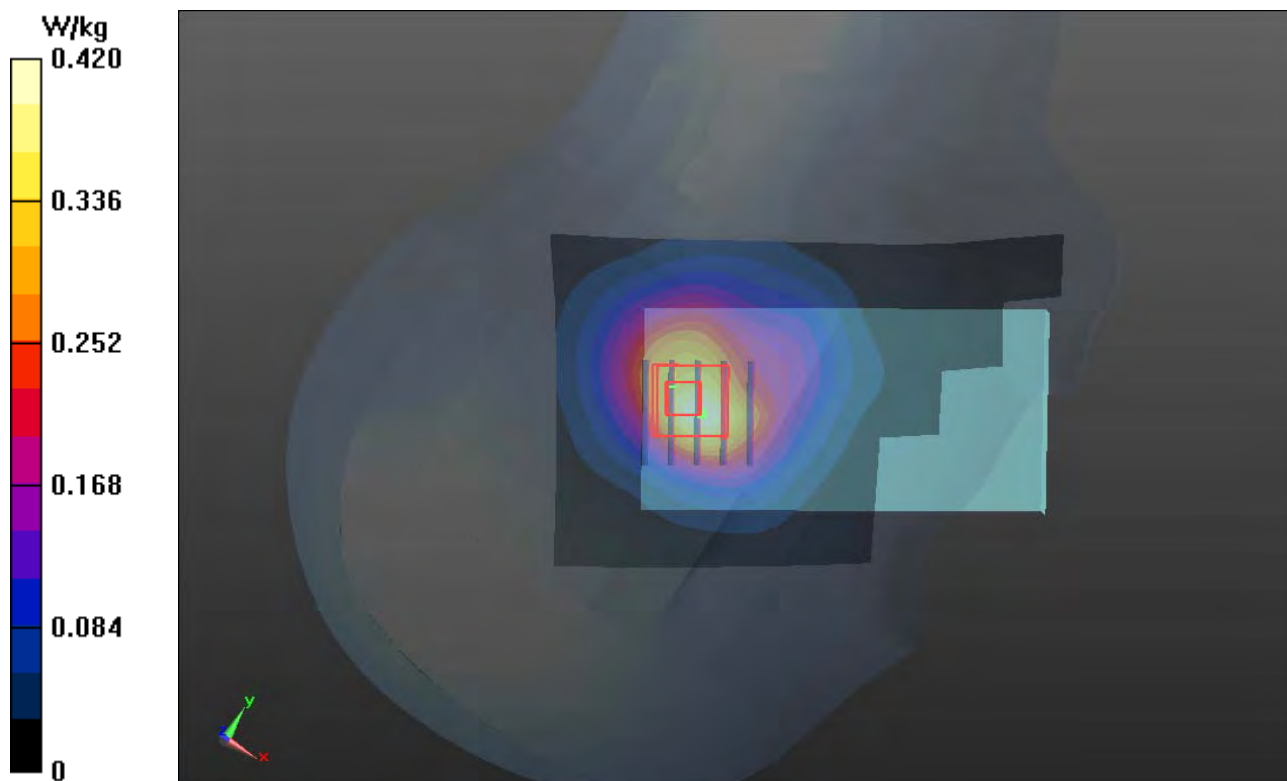
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.837 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.462 mW/g

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

Maximum value of SAR (measured) = 0.385 W/kg



P239 LTE25_QPSK_10M_Right Tilted_Ch26365_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.637 W/kg

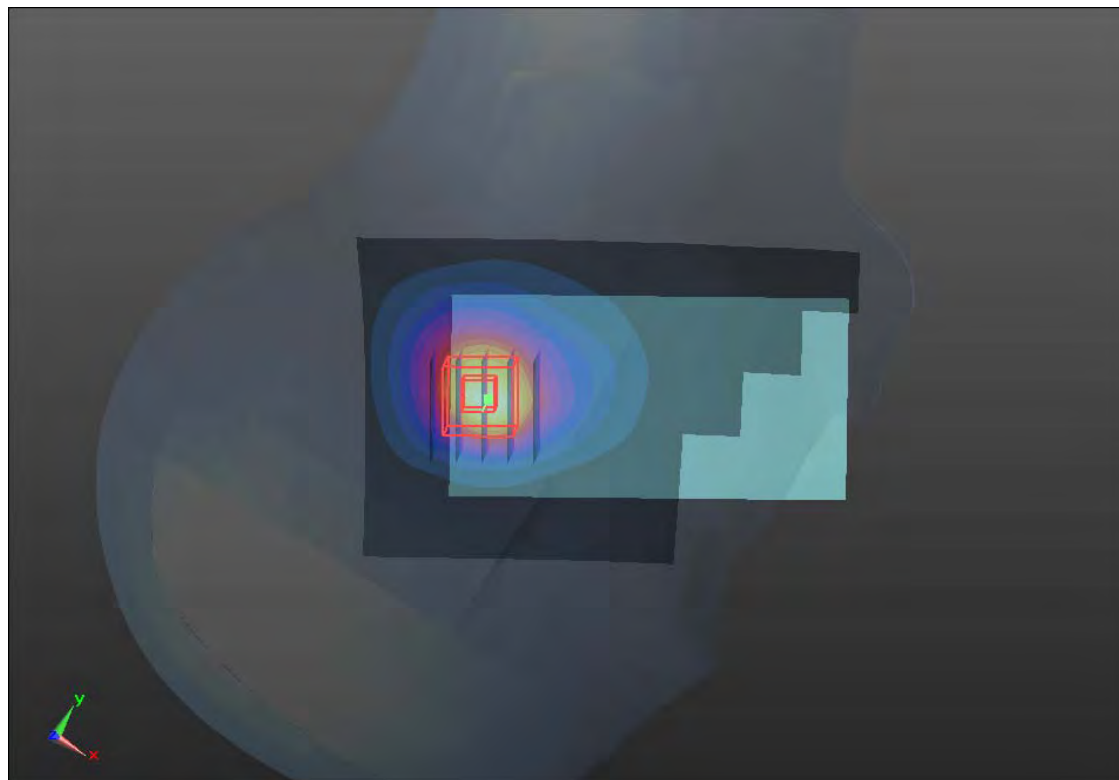
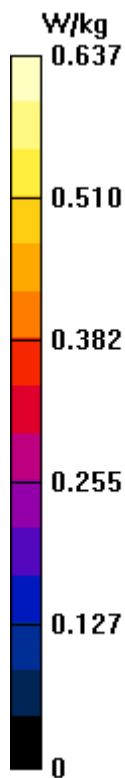
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.189 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.727 mW/g

SAR(1 g) = 0.459 mW/g; SAR(10 g) = 0.271 mW/g

Maximum value of SAR (measured) = 0.584 W/kg



P240 LTE25_QPSK_10M_Left Cheek_Ch26365_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.450 W/kg

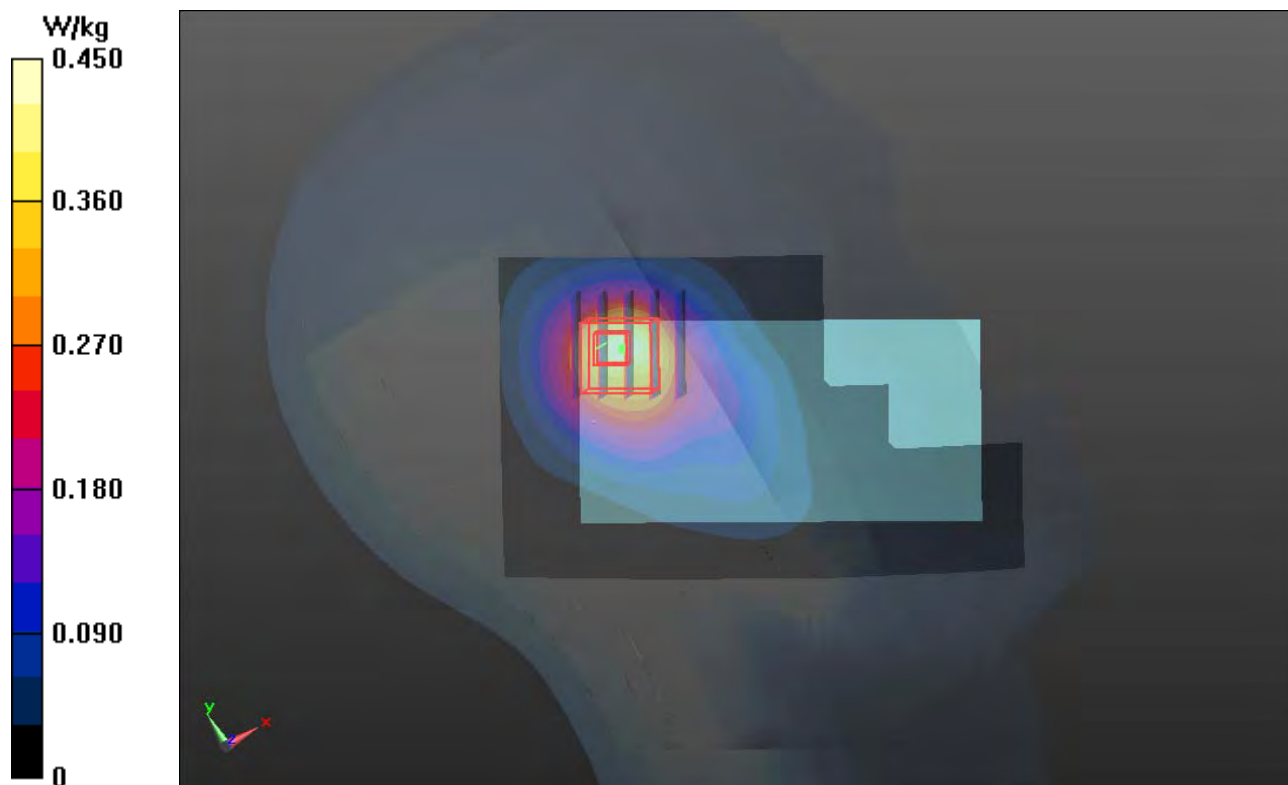
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.938 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.566 mW/g

SAR(1 g) = 0.339 mW/g; SAR(10 g) = 0.194 mW/g

Maximum value of SAR (measured) = 0.439 W/kg



P241 LTE25_QPSK_10M_Left Tilted_Ch26365_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.471 W/kg

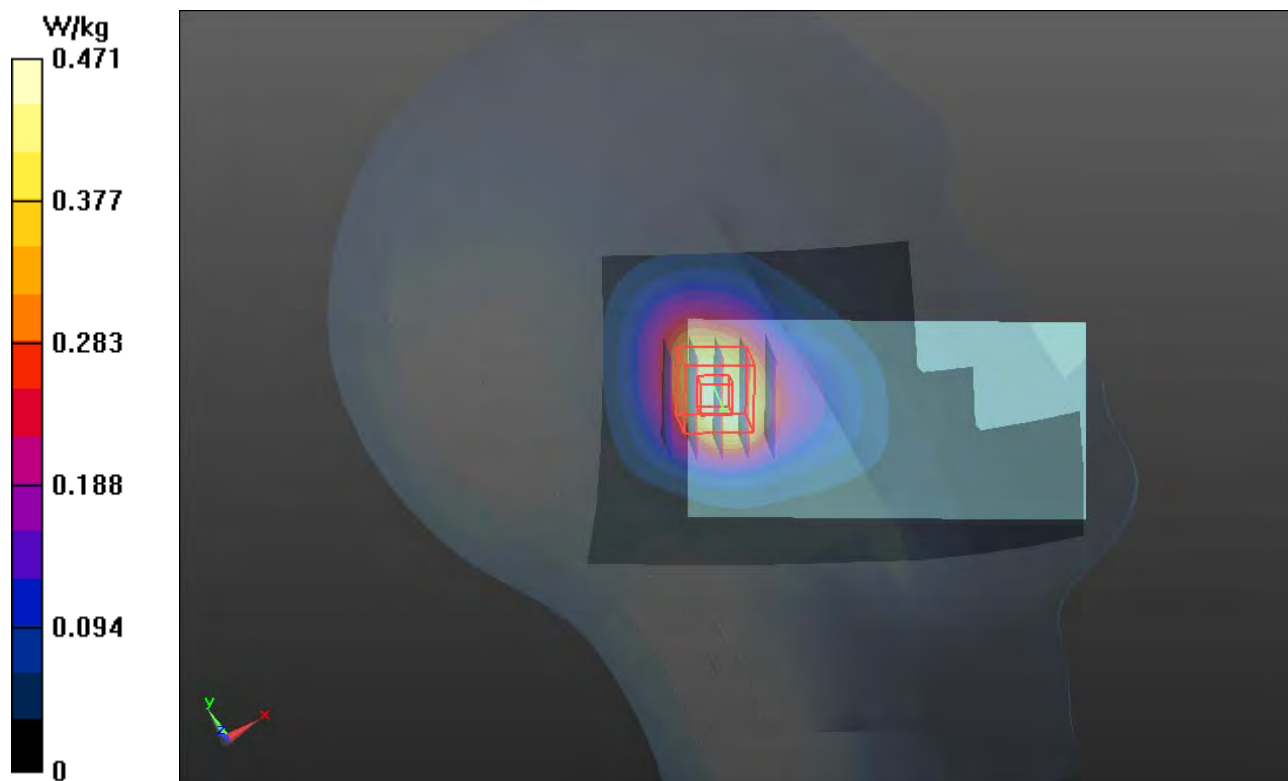
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.971 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.545 mW/g

SAR(1 g) = 0.354 mW/g; SAR(10 g) = 0.215 mW/g

Maximum value of SAR (measured) = 0.442 W/kg



P242 LTE25_QPSK_10M_Right Cheek_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.566 W/kg

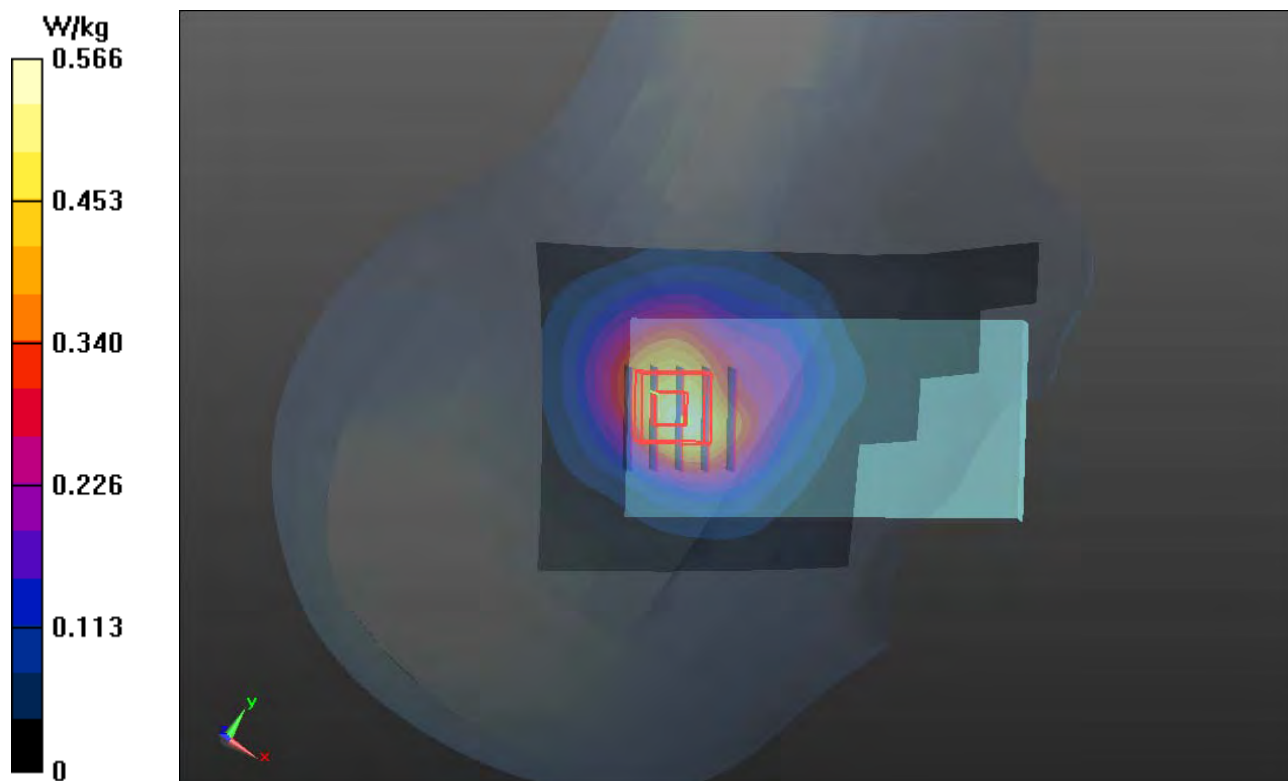
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.487 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.623 mW/g

SAR(1 g) = 0.415 mW/g; SAR(10 g) = 0.264 mW/g

Maximum value of SAR (measured) = 0.518 W/kg



P243 LTE25_QPSK_10M_Right Tilted_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.854 W/kg

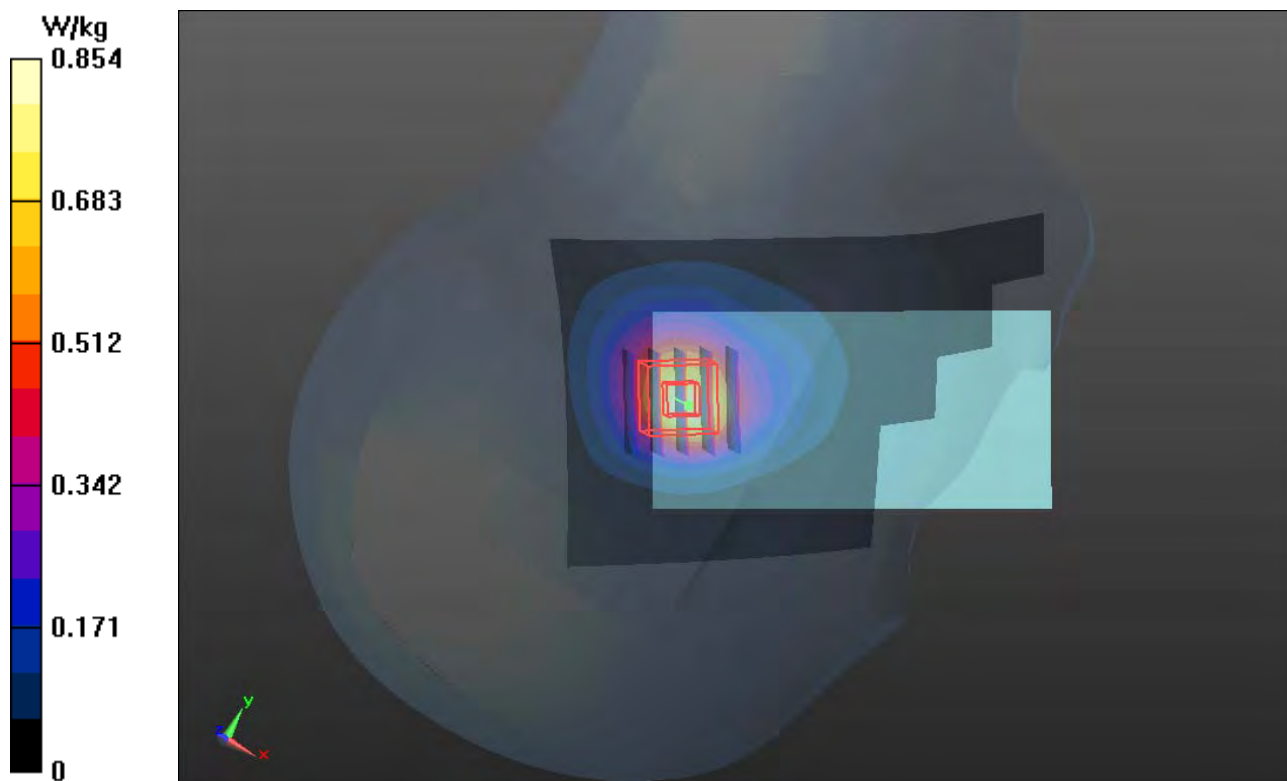
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

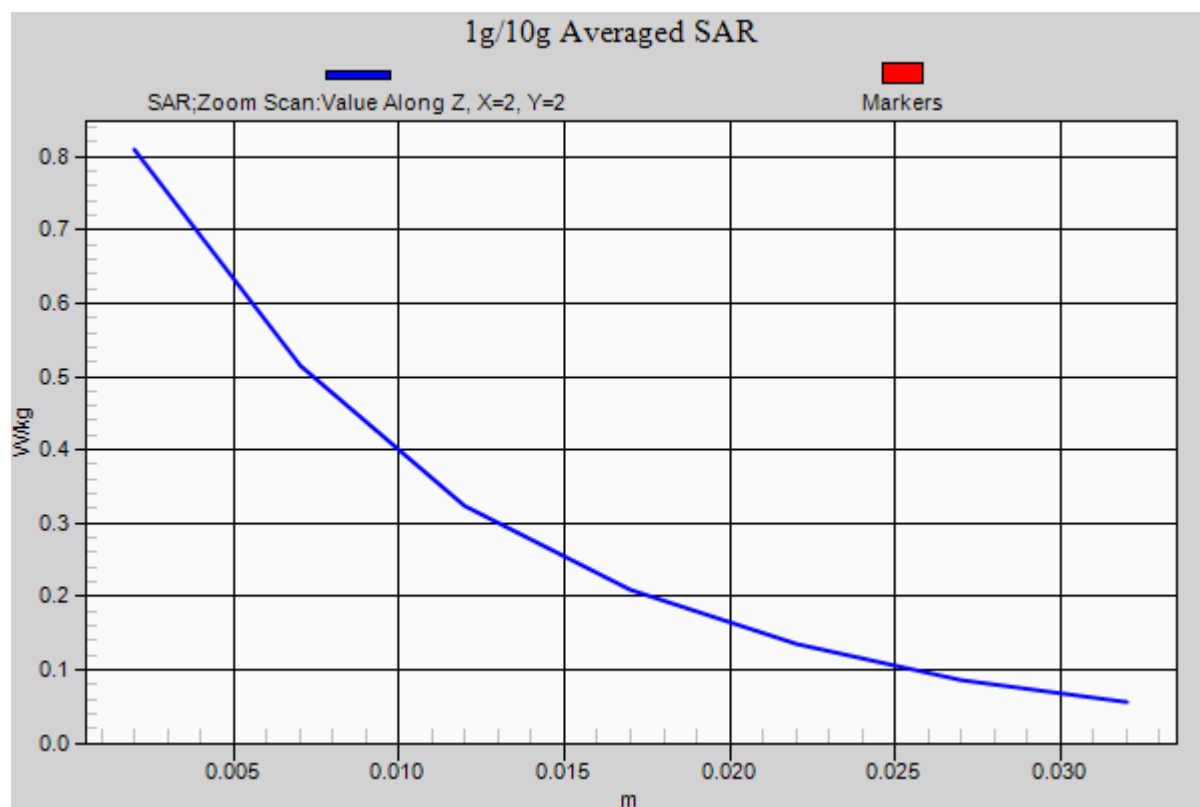
Reference Value = 23.526 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.002 mW/g

SAR(1 g) = 0.624 mW/g; SAR(10 g) = 0.367 mW/g

Maximum value of SAR (measured) = 0.809 W/kg





P244 LTE25_QPSK_10M_Left Cheek_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.629 W/kg

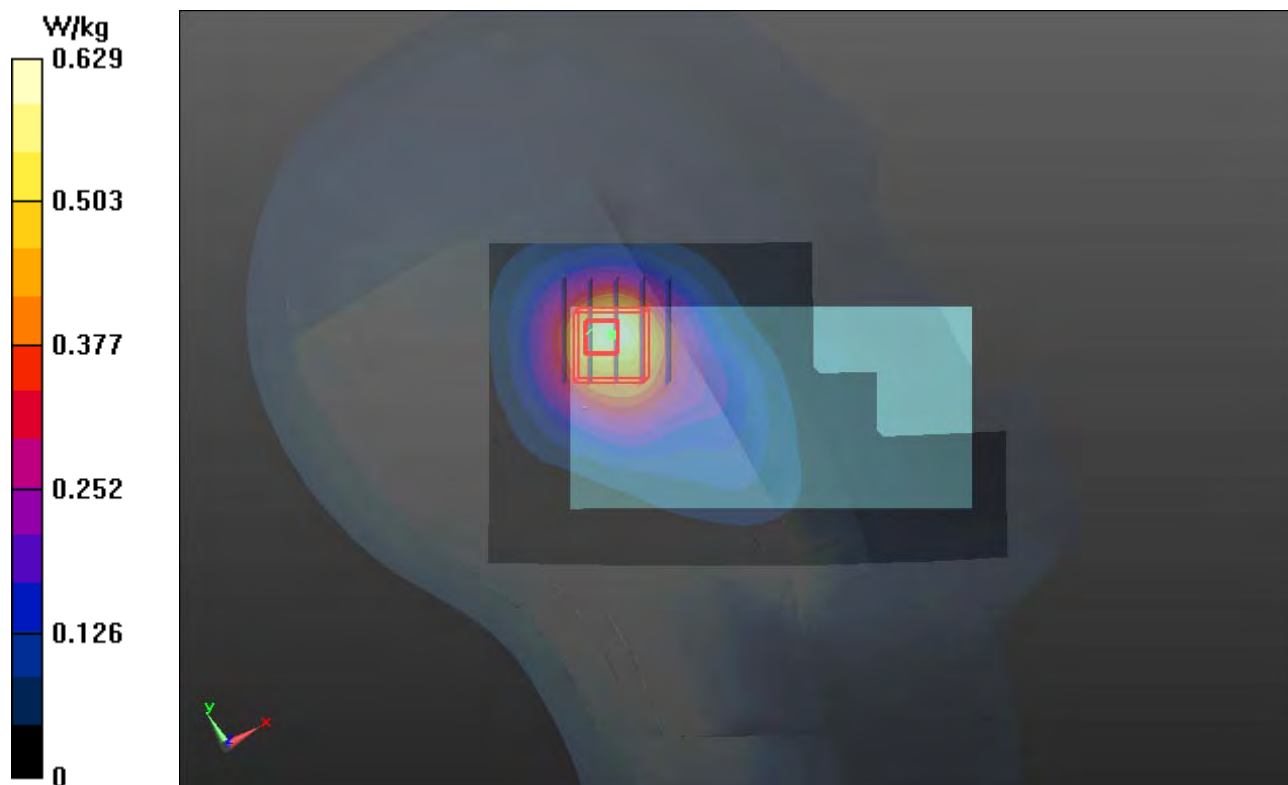
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.925 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.772 mW/g

SAR(1 g) = 0.465 mW/g; SAR(10 g) = 0.268 mW/g

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



P245 LTE25_QPSK_10M_Left Tilted_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.637 W/kg

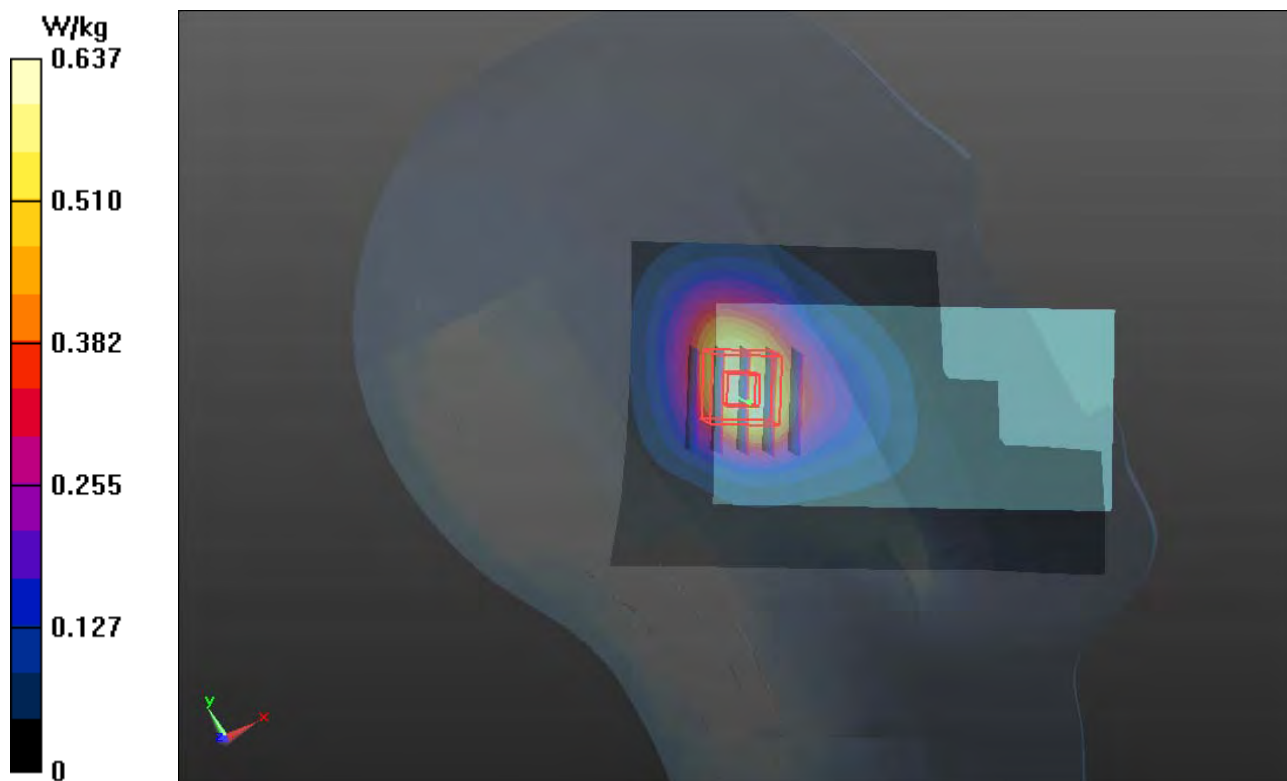
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.193 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.770 mW/g

SAR(1 g) = 0.486 mW/g; SAR(10 g) = 0.295 mW/g

Maximum value of SAR (measured) = 0.607 W/kg



P1157 LTE 25_16QAM_10M_Right Cheek_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.267 W/kg

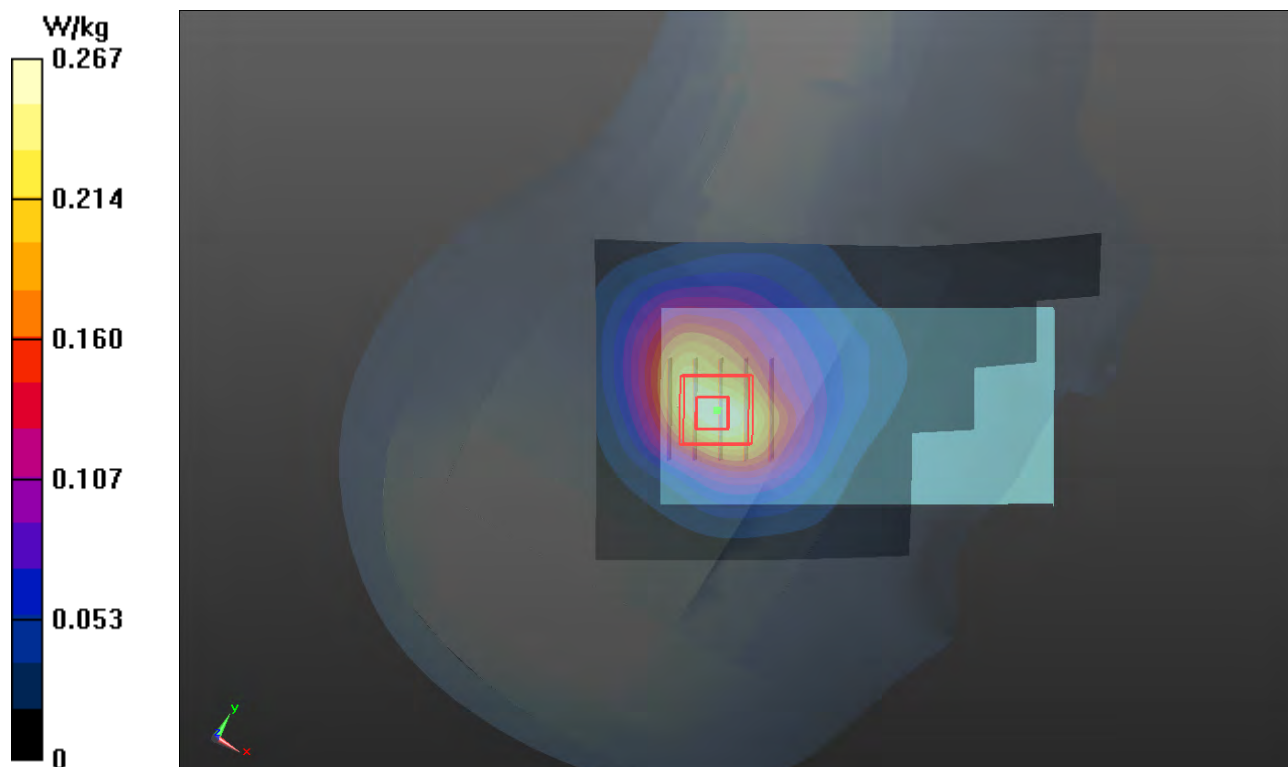
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.781 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.308 mW/g

SAR(1 g) = 0.194 mW/g; SAR(10 g) = 0.119 mW/g

Maximum value of SAR (measured) = 0.252 W/kg



P247 LTE25_16QAM_10M_Right Tilted_Ch26365_25RB_offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.412 W/kg

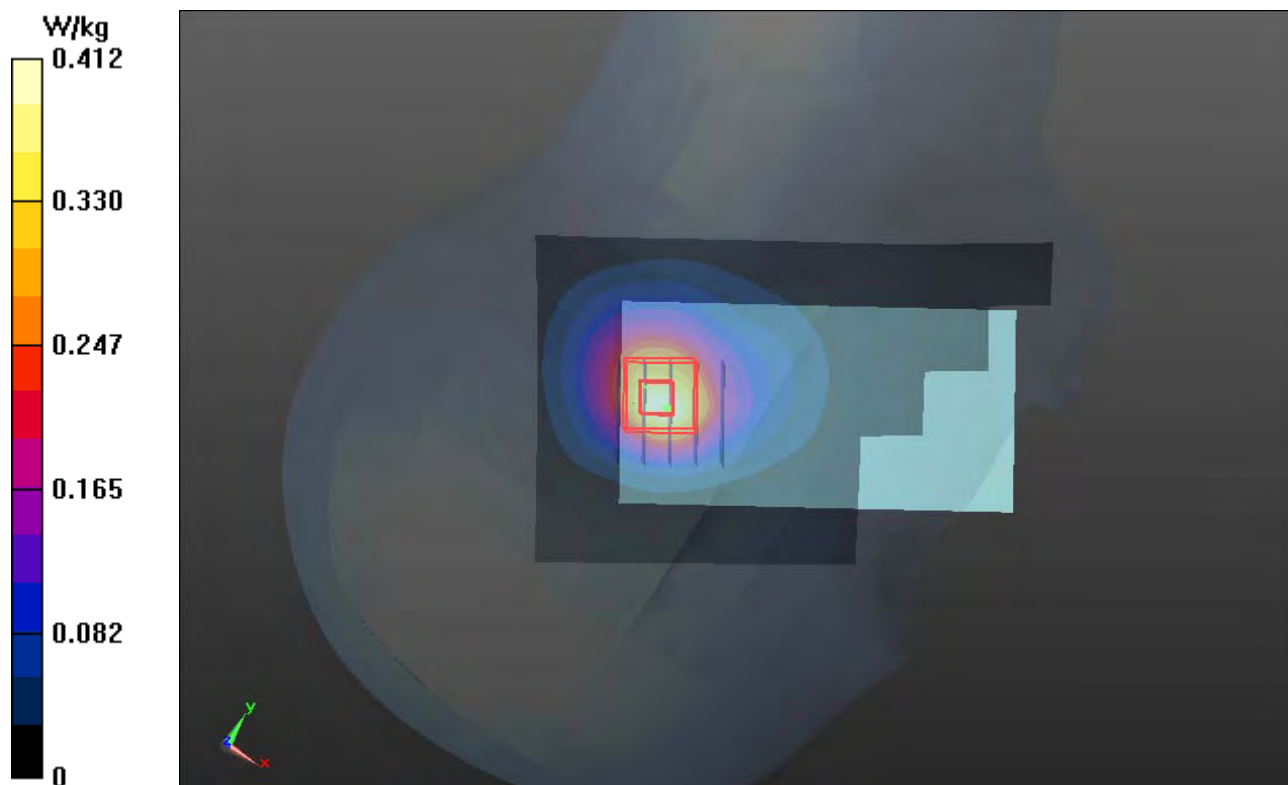
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.102 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.475 mW/g

SAR(1 g) = 0.300 mW/g; SAR(10 g) = 0.177 mW/g

Maximum value of SAR (measured) = 0.375 W/kg



P1158 LTE 25_16QAM_10M_Left Cheek_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.484 W/kg

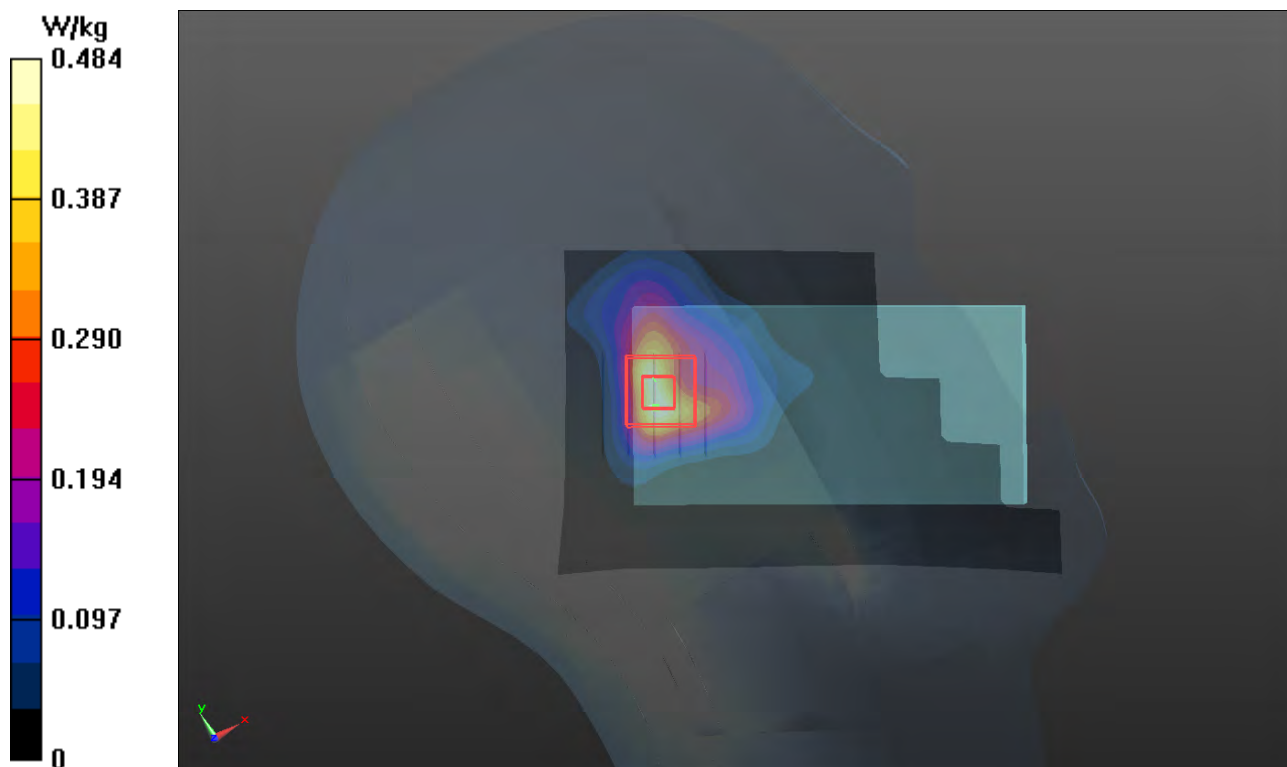
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.121 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.396 mW/g

SAR(1 g) = 0.221 mW/g; SAR(10 g) = 0.130 mW/g

Maximum value of SAR (measured) = 0.293 W/kg



P1159 LTE 25_16QAM_10M_Left Tilted_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.507 W/kg

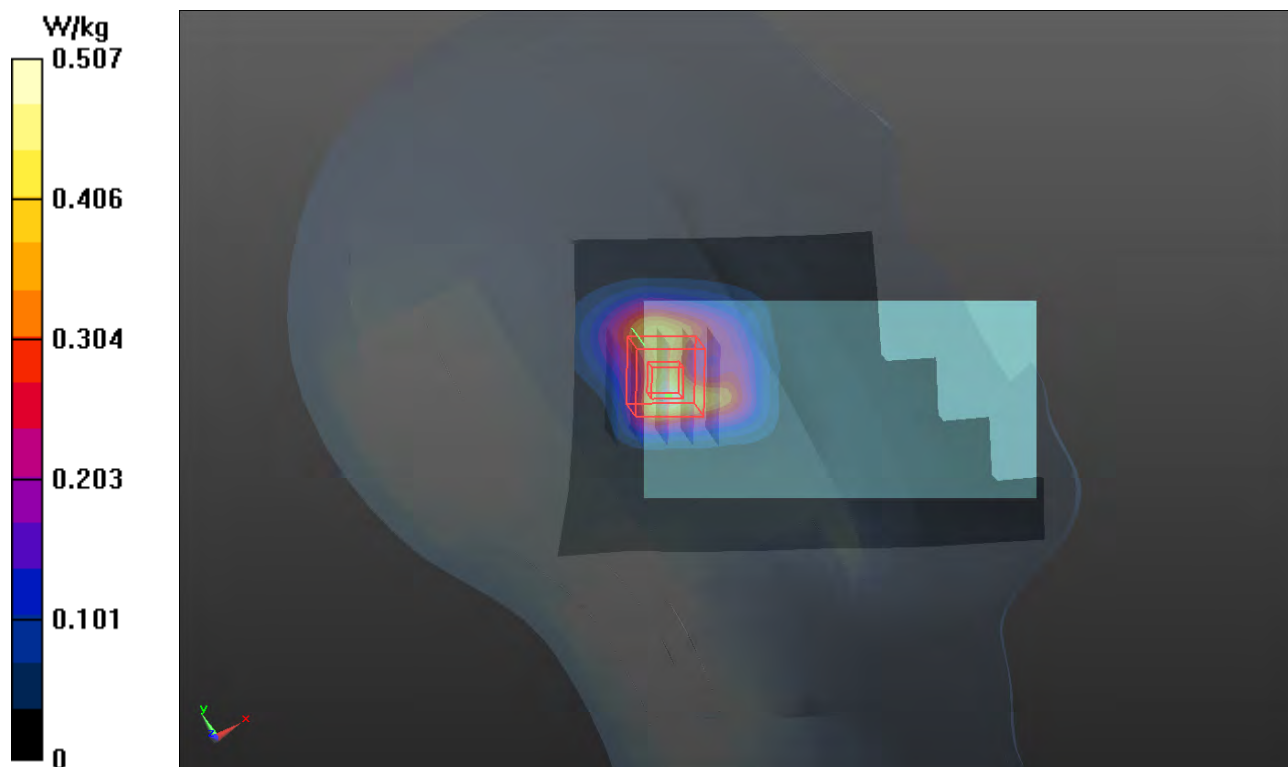
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.202 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.379 mW/g

SAR(1 g) = 0.218 mW/g; SAR(10 g) = 0.129 mW/g

Maximum value of SAR (measured) = 0.284 W/kg



P1160 LTE 25_16QAM_10M_Right Cheek_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

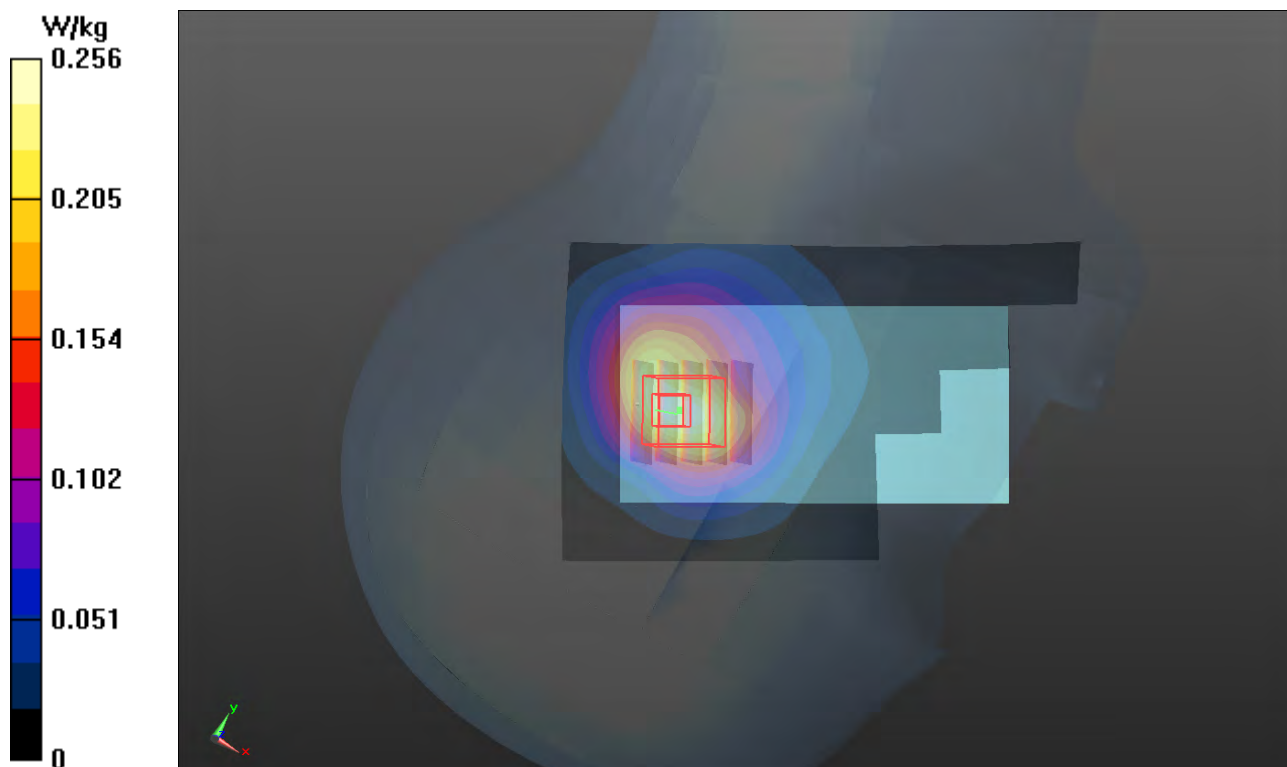
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.662 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.301 mW/g

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

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



P248 LTE25_16QAM_10M_Right Tilted_Ch26365_1RB_offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.501 W/kg

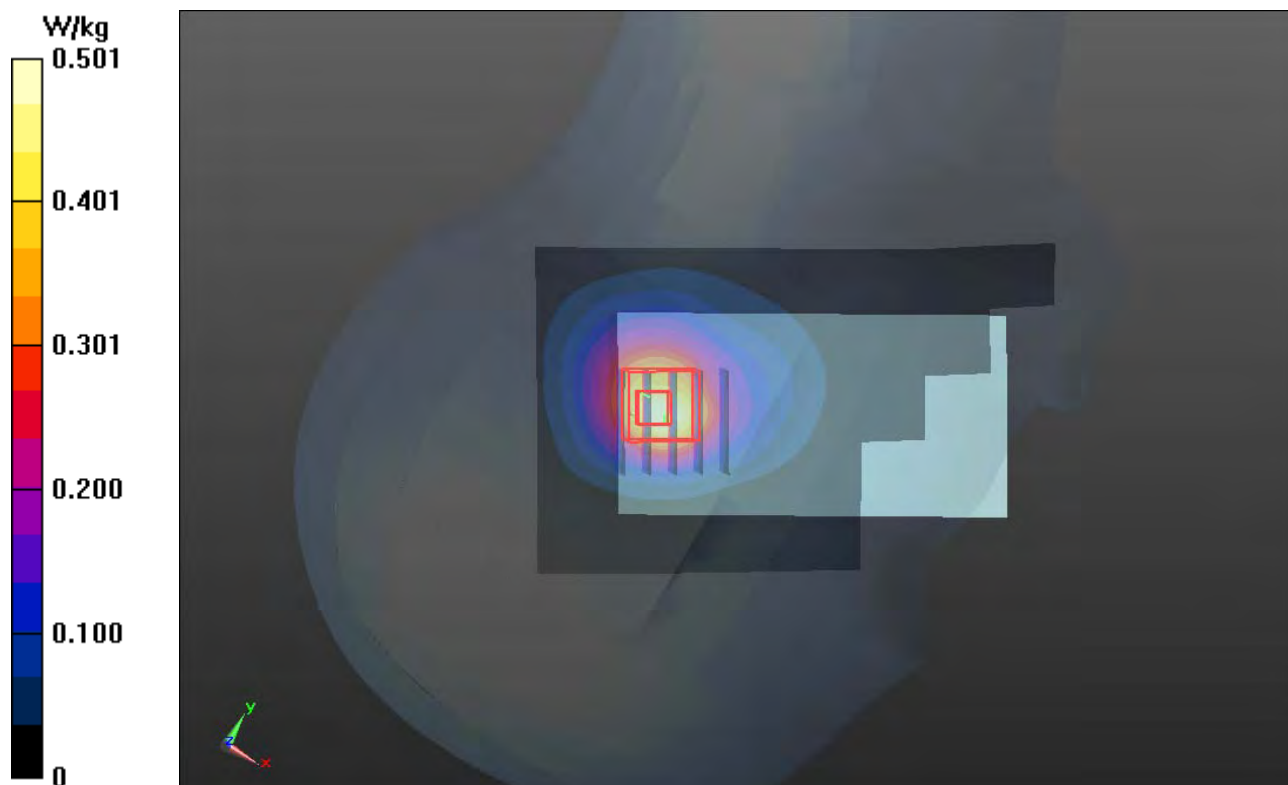
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.064 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.577 mW/g

SAR(1 g) = 0.361 mW/g; SAR(10 g) = 0.213 mW/g

Maximum value of SAR (measured) = 0.458 W/kg



P1161 LTE 25_16QAM_10M_Left Cheek_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.327 W/kg

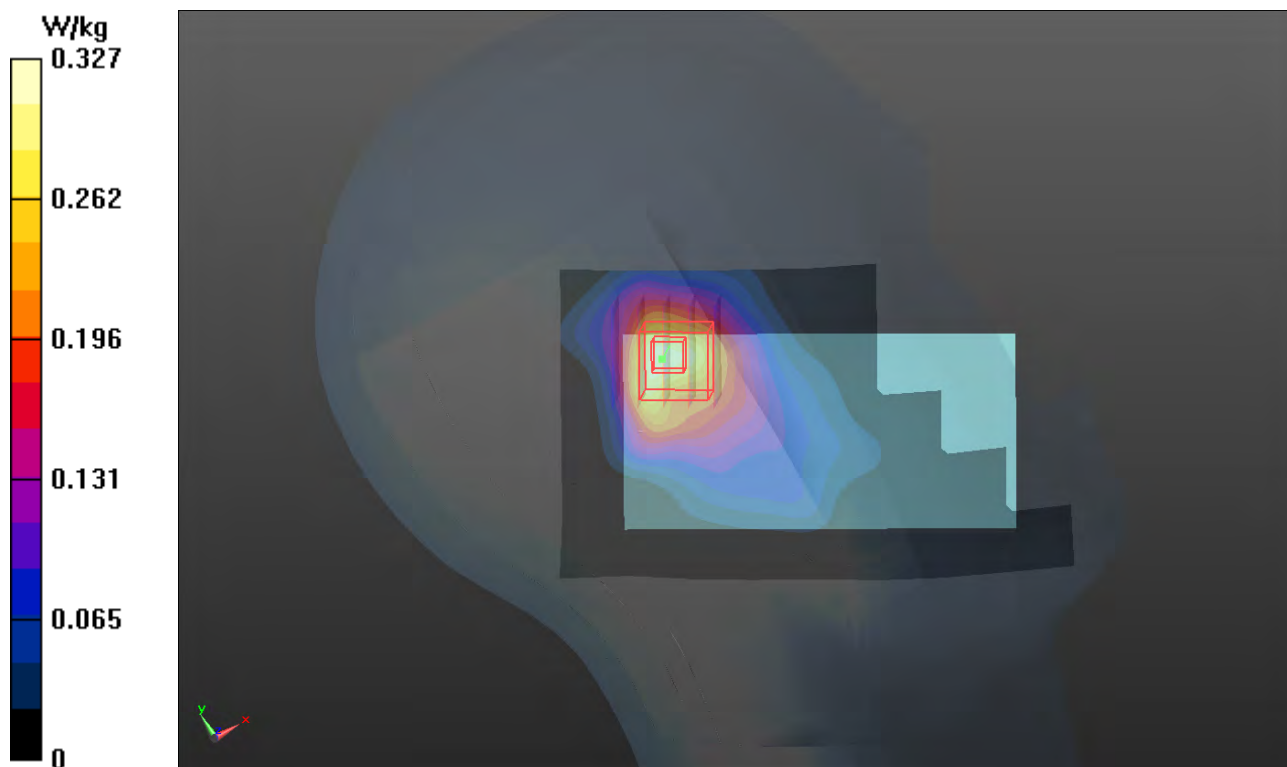
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.537 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.344 mW/g

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.118 mW/g

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



P1162 LTE 25_16QAM_10M_Left Tilted_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.498 W/kg

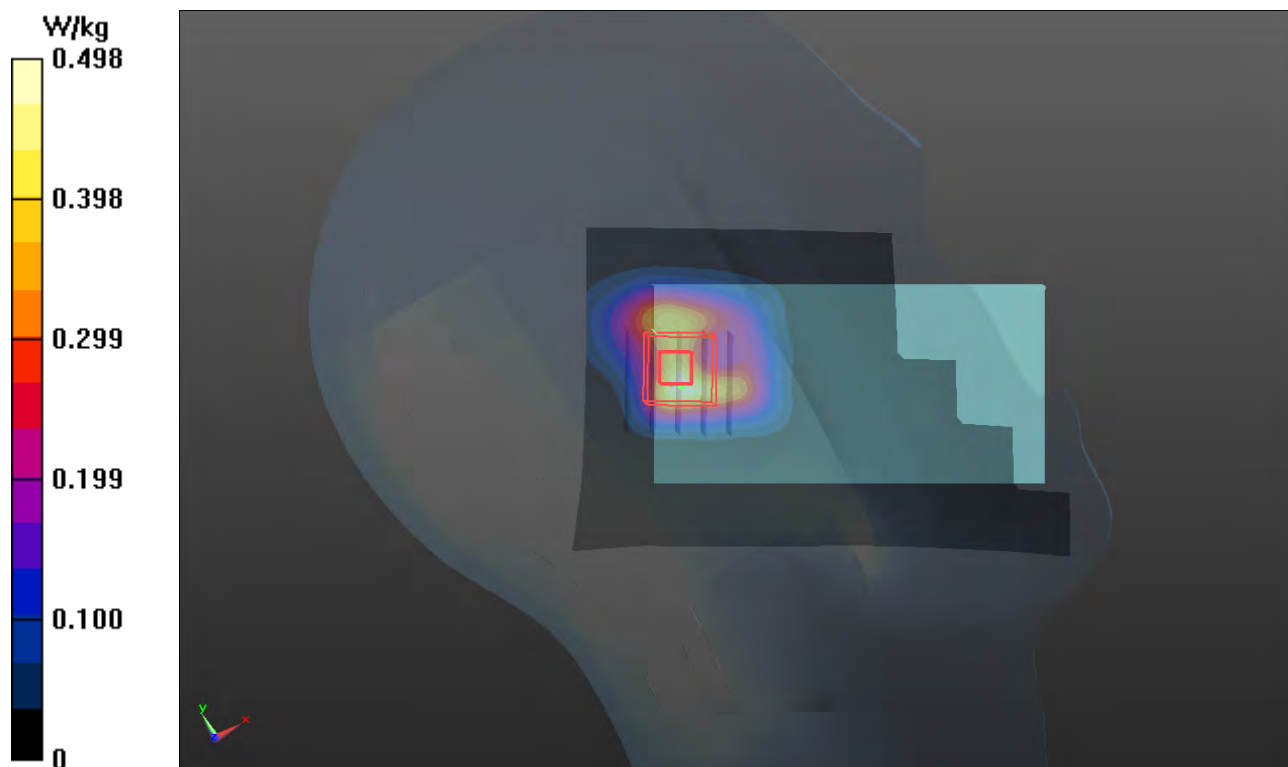
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.870 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.390 mW/g

SAR(1 g) = 0.217 mW/g; SAR(10 g) = 0.128 mW/g

Maximum value of SAR (measured) = 0.299 W/kg



P1163 LTE 25_16QAM_10M_Right Cheek_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.293 W/kg

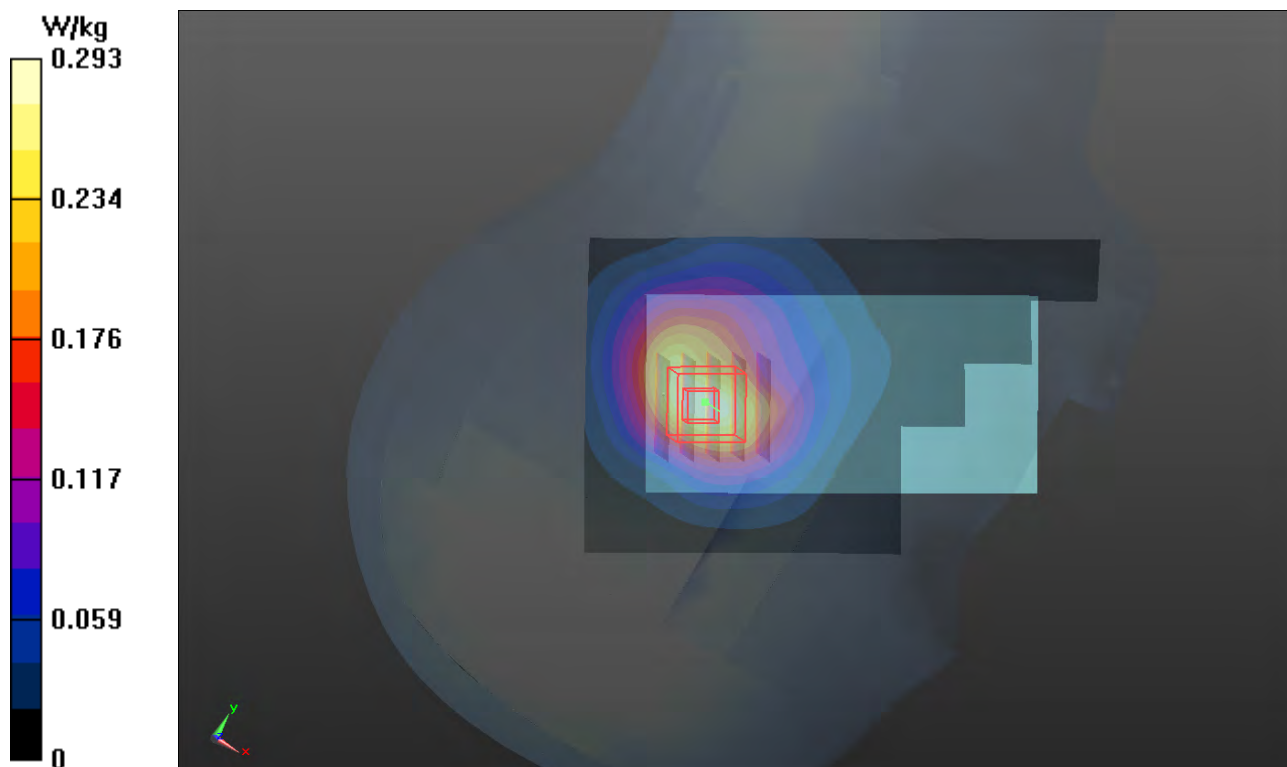
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.624 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.336 mW/g

SAR(1 g) = 0.212 mW/g; SAR(10 g) = 0.129 mW/g

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



P249 LTE25_16QAM_10M_Right Tilted_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0902 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.629 W/kg

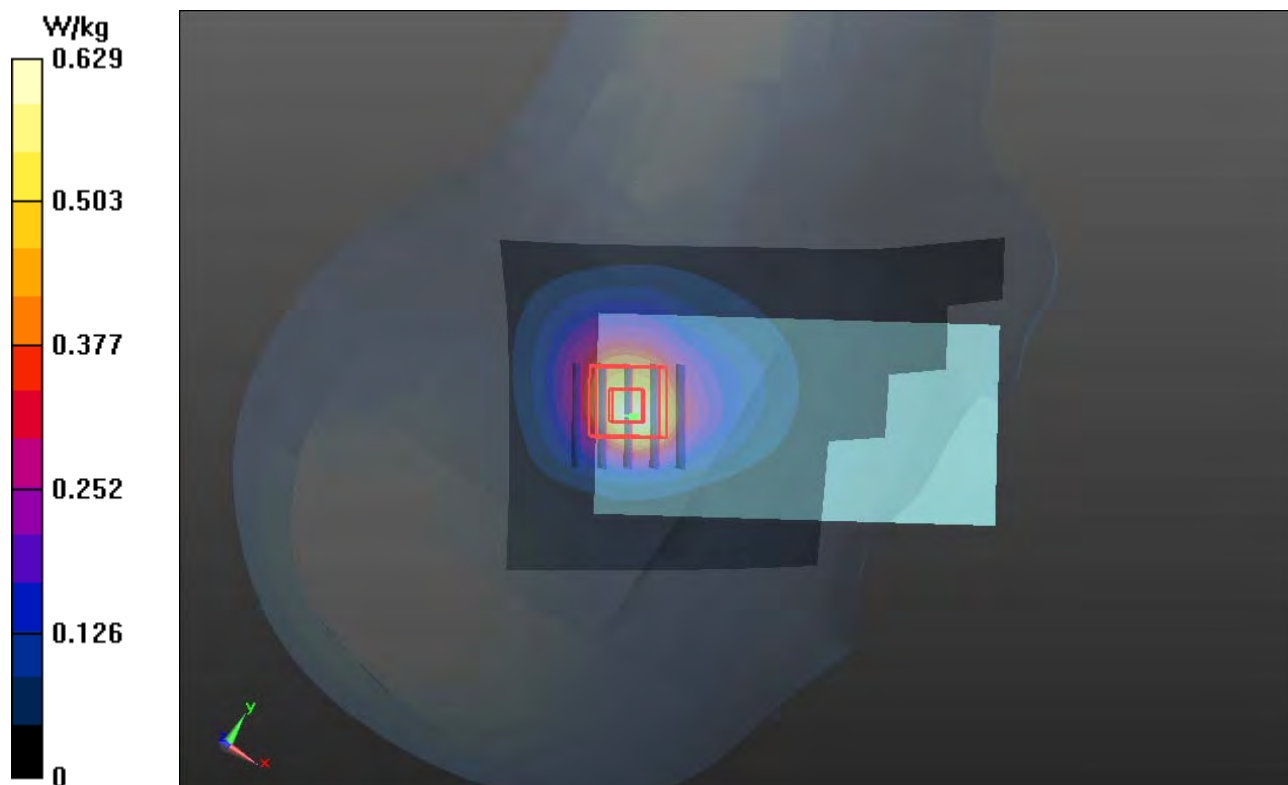
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.109 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.748 mW/g

SAR(1 g) = 0.464 mW/g; SAR(10 g) = 0.272 mW/g

Maximum value of SAR (measured) = 0.589 W/kg



P1164 LTE 25_16QAM_10M_Left Cheek_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

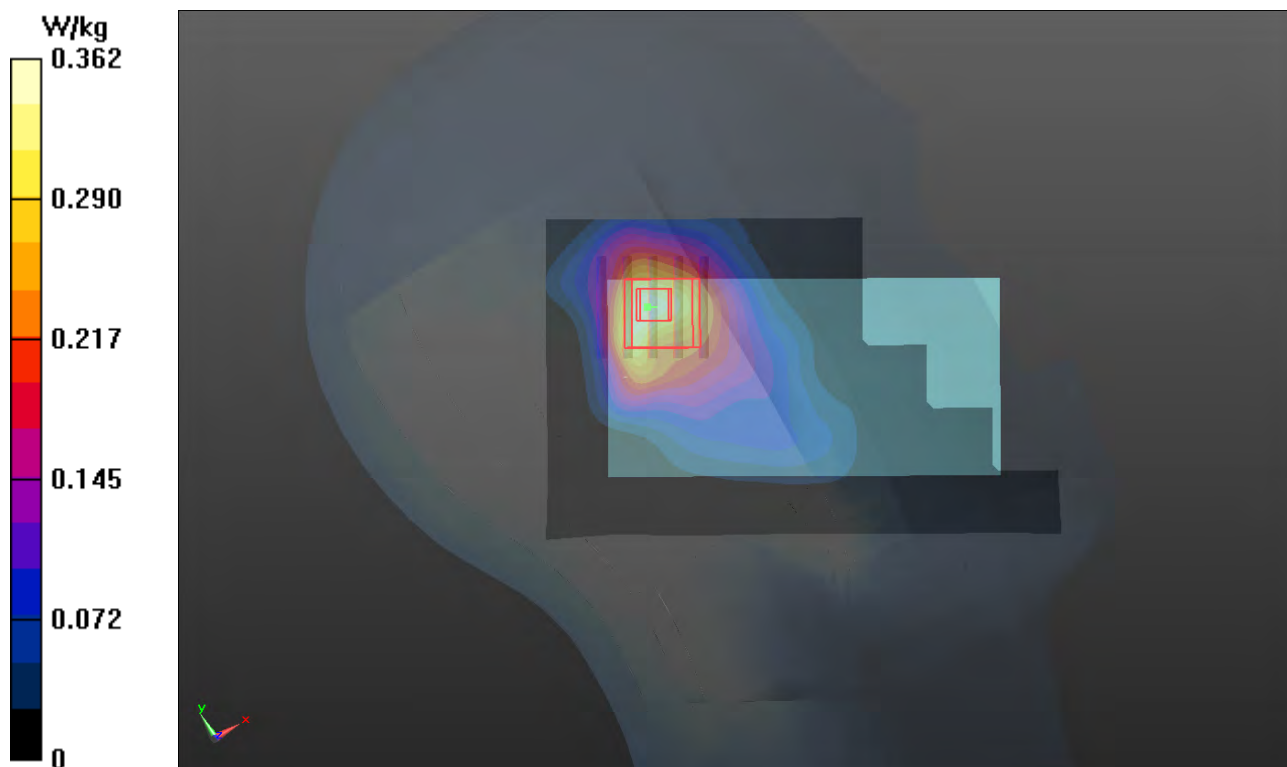
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.979 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.396 mW/g

SAR(1 g) = 0.227 mW/g; SAR(10 g) = 0.131 mW/g

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



P1165 LTE 25_16QAM_10M_Left Tilted_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1019 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.408$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.451 W/kg

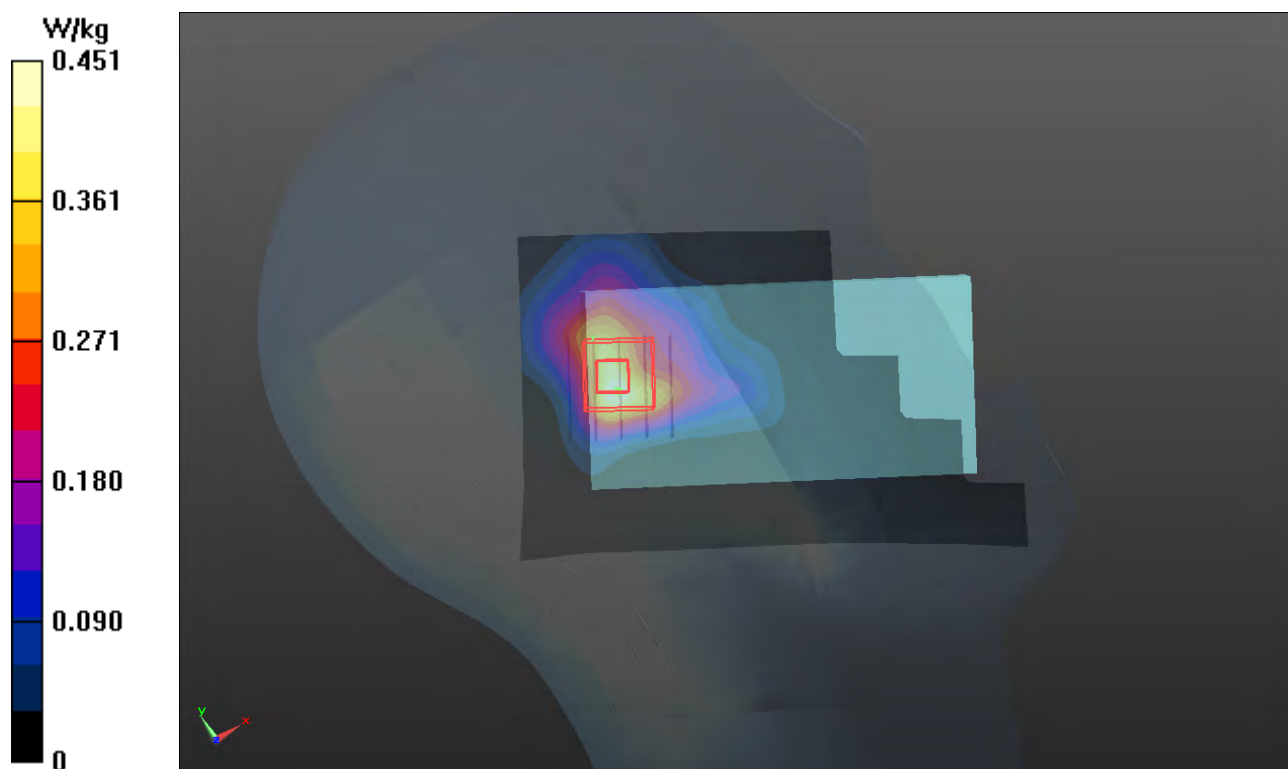
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.330 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.422 mW/g

SAR(1 g) = 0.239 mW/g; SAR(10 g) = 0.140 mW/g

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



P1028 LTE 25_QPSK_10M_Right Cheek_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.282 W/kg

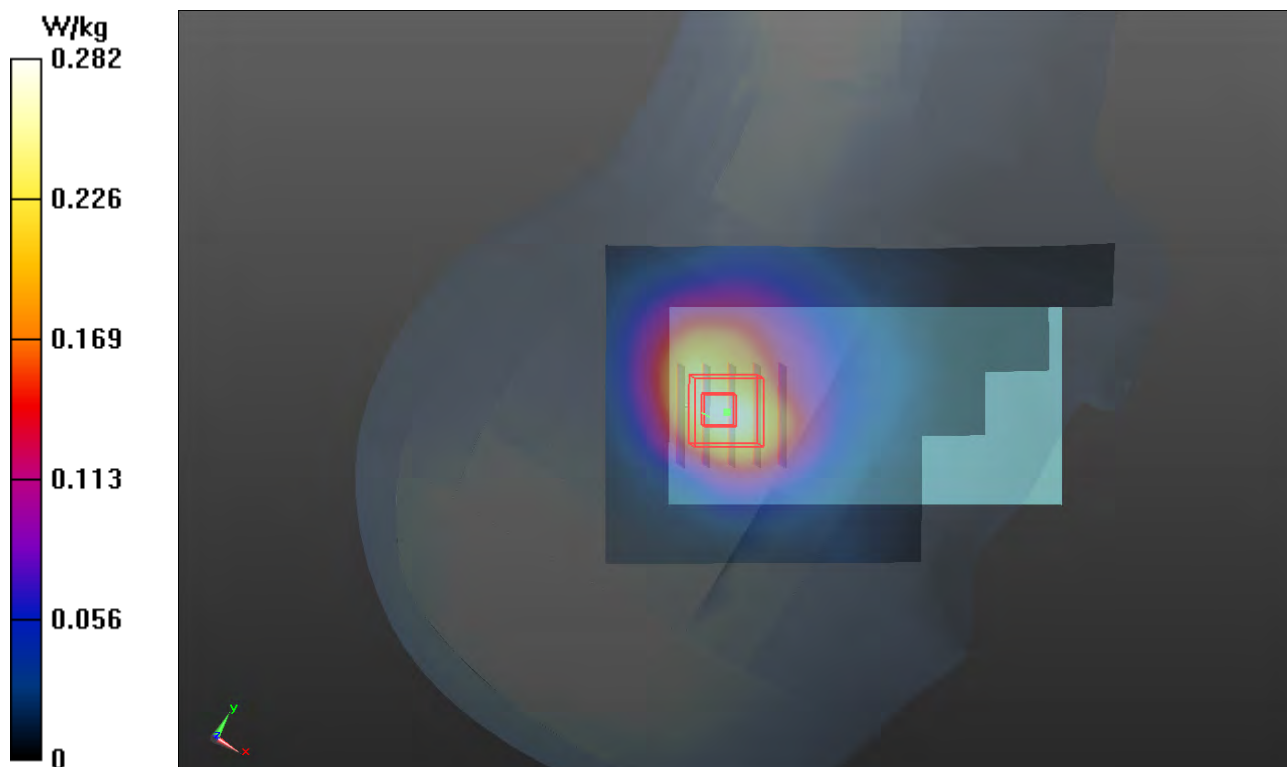
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.280 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.322 mW/g

SAR(1 g) = 0.201 mW/g; SAR(10 g) = 0.123 mW/g

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



P1029 LTE 25_QPSK_10M_Right Tilted_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

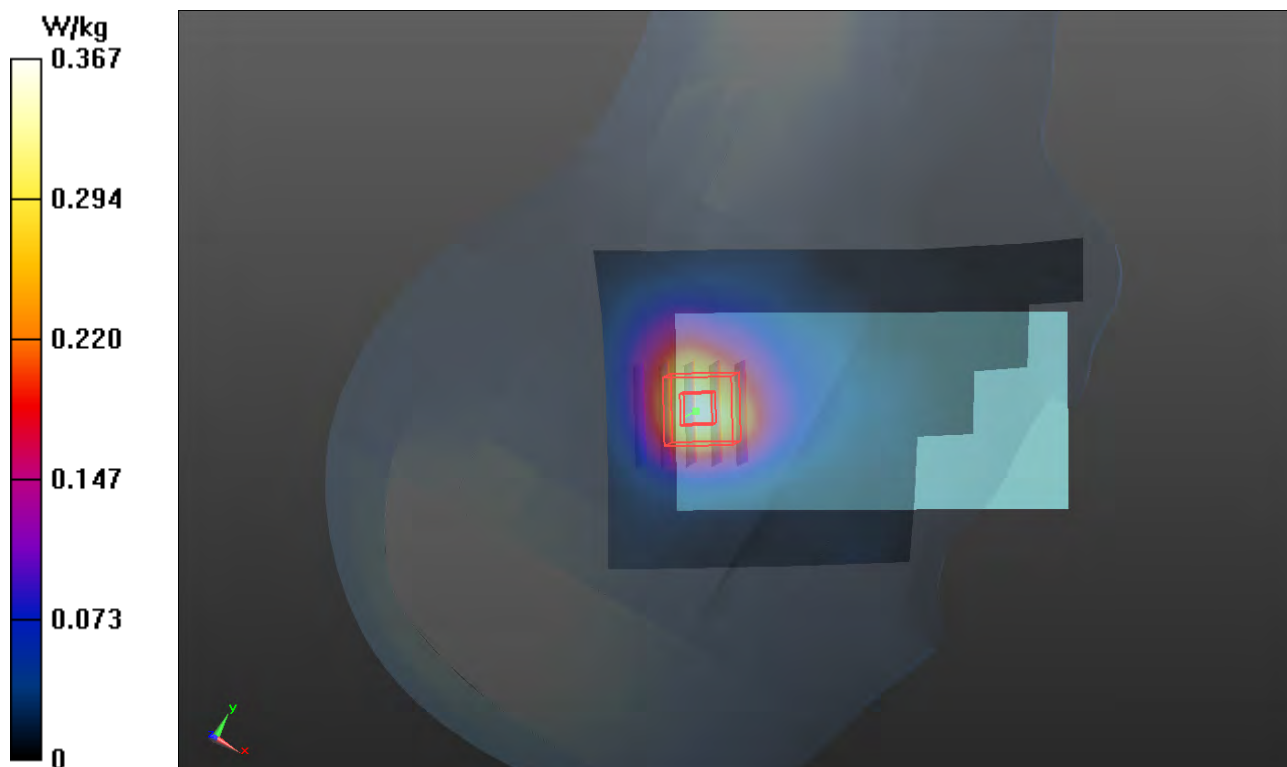
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.591 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.442 mW/g

SAR(1 g) = 0.263 mW/g; SAR(10 g) = 0.148 mW/g

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



P1030 LTE 25_QPSK_10M_Left Cheek_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.310 W/kg

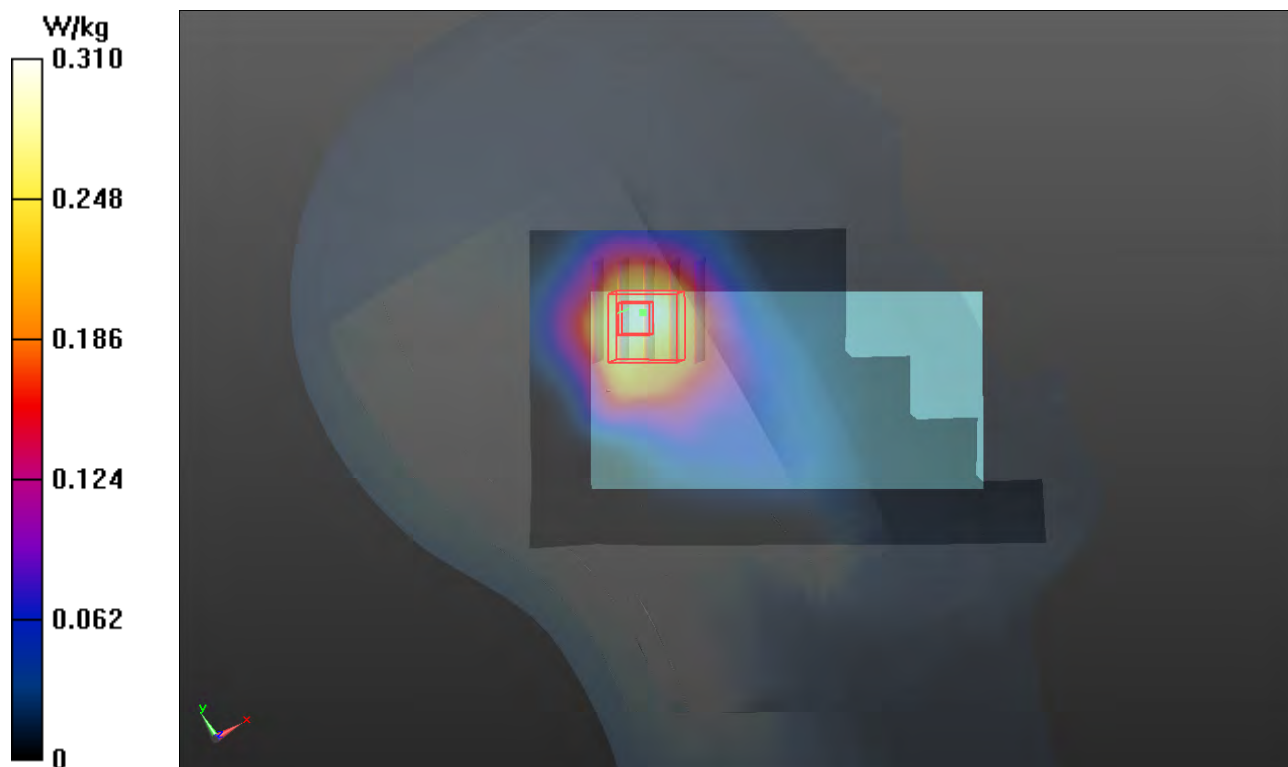
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.725 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.379 mW/g

SAR(1 g) = 0.215 mW/g; SAR(10 g) = 0.123 mW/g

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



P1031 LTE 25_QPSK_10M_Left Tilted_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.318 W/kg

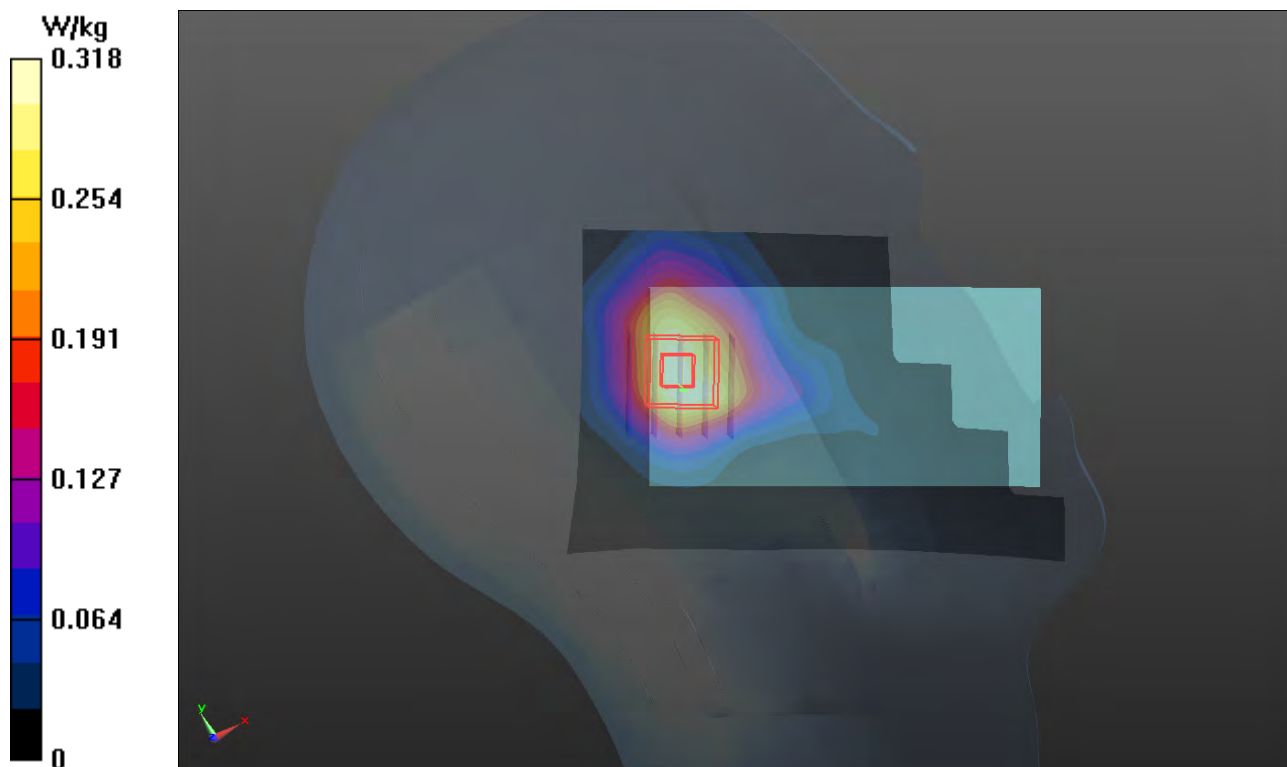
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.169 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.386 mW/g

SAR(1 g) = 0.228 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.293 W/kg



P1032 LTE 25_QPSK_10M_Right Cheek_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.276 W/kg

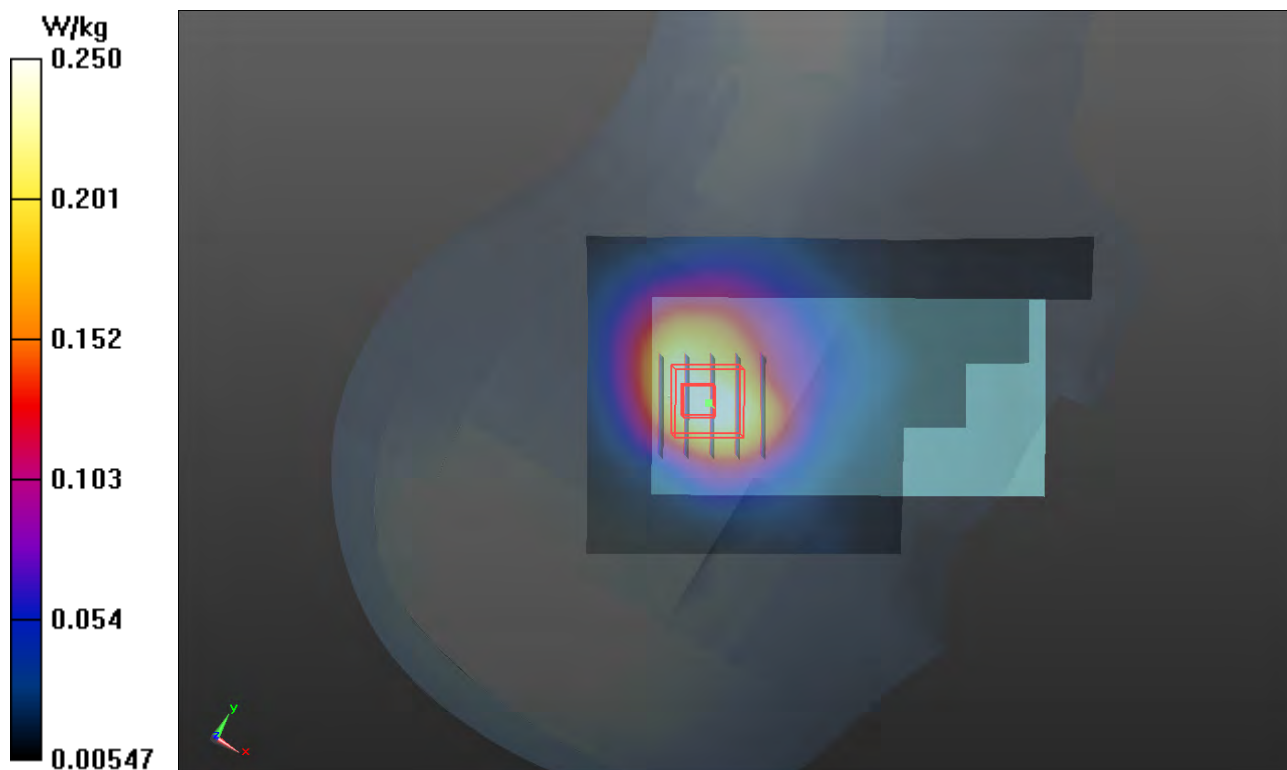
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.786 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.310 mW/g

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.119 mW/g

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



P1033 LTE 25_QPSK_10M_Right Tilted_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

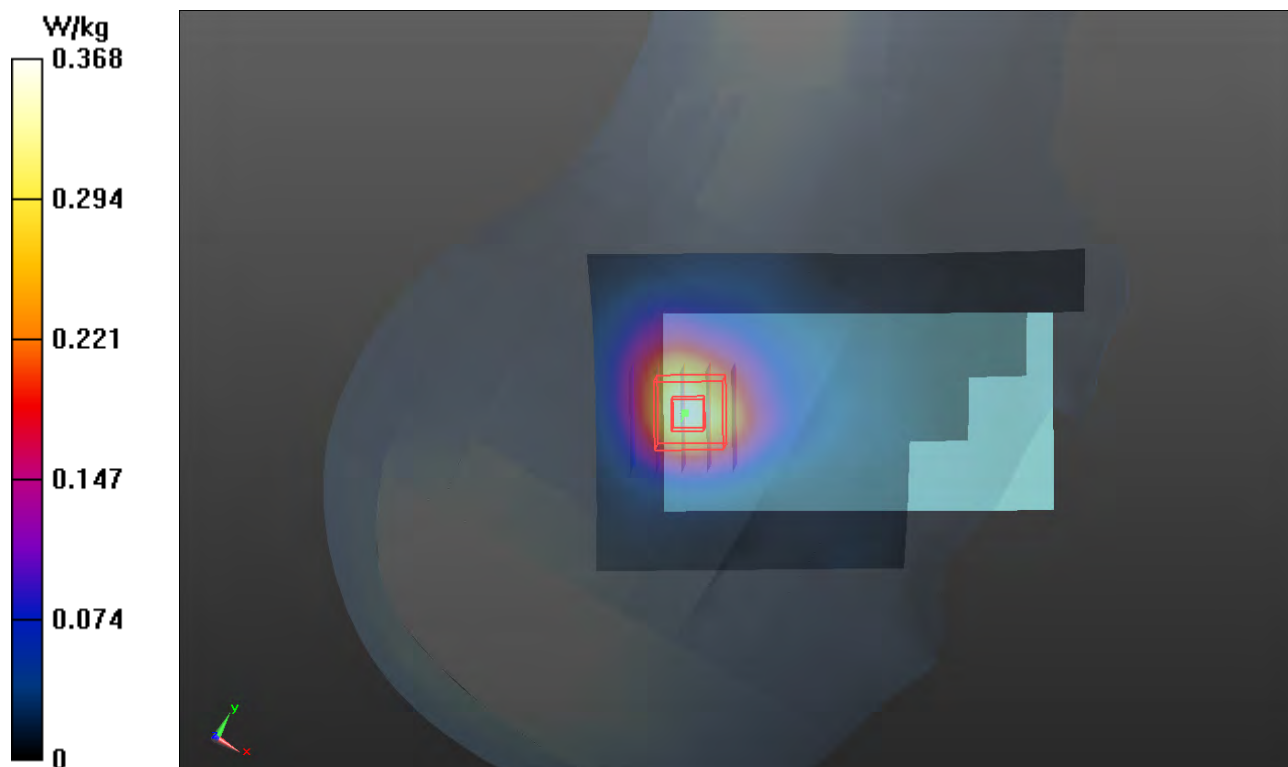
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.411 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.430 mW/g

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.144 mW/g

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



P1034 LTE 25_QPSK_10M_Left Cheek_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.343 W/kg

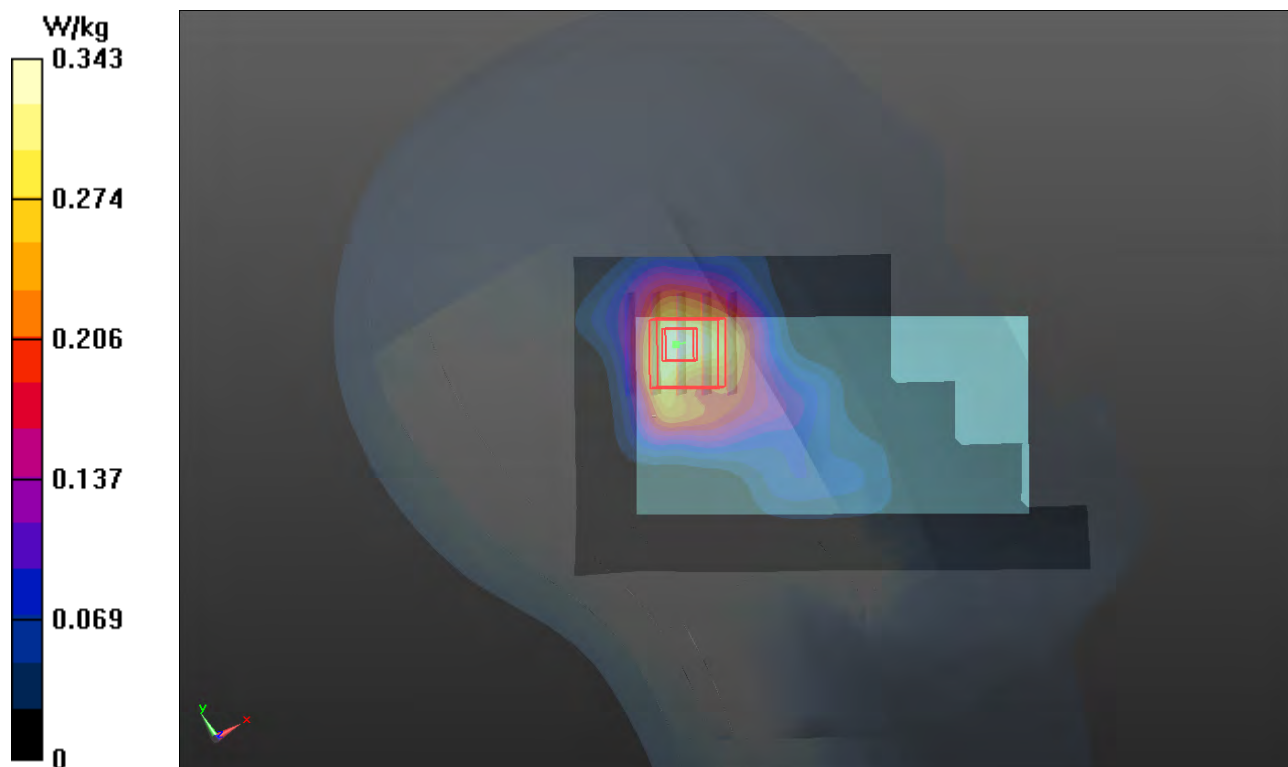
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.518 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.367 mW/g

SAR(1 g) = 0.211 mW/g; SAR(10 g) = 0.121 mW/g

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



P1035 LTE 25_QPSK_10M_Left Tilted_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.339 W/kg

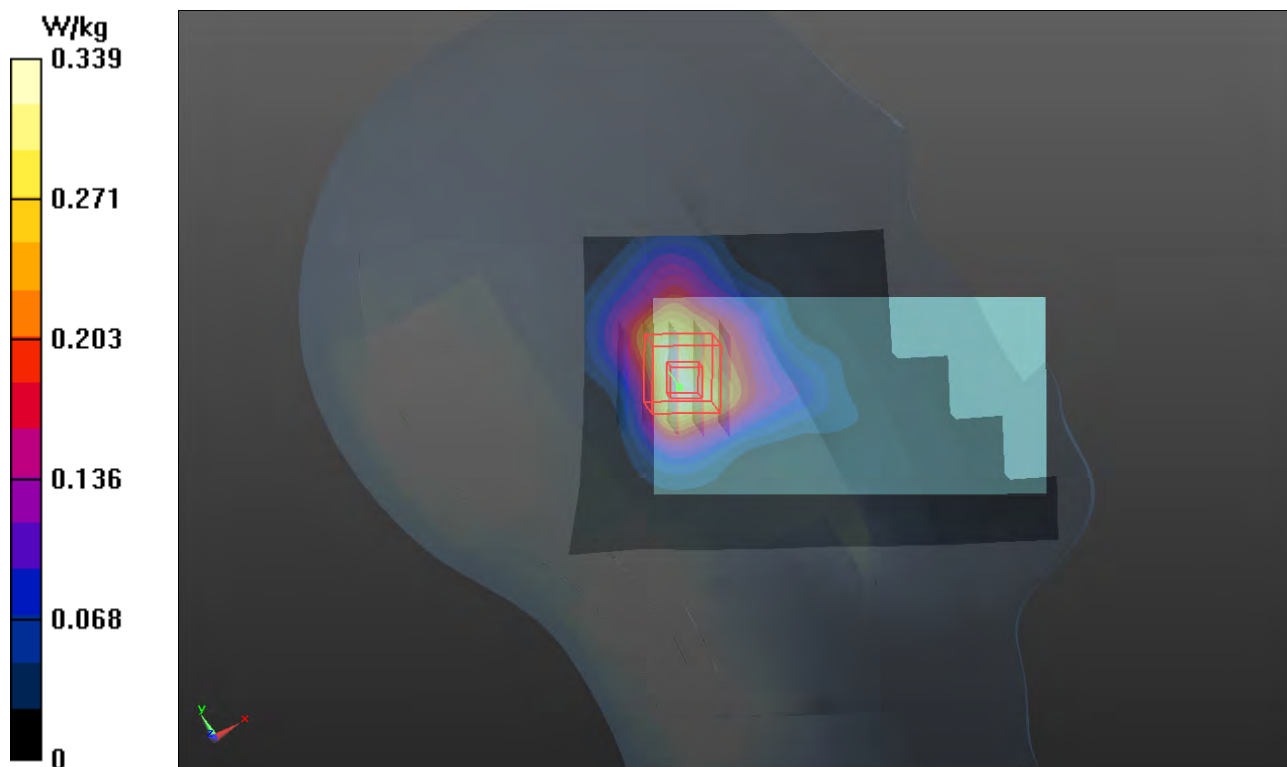
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.161 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.378 mW/g

SAR(1 g) = 0.229 mW/g; SAR(10 g) = 0.133 mW/g

Maximum value of SAR (measured) = 0.307 W/kg



P417 LTE25_QPSK_10M_Right Cheek_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz;Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.334 W/kg

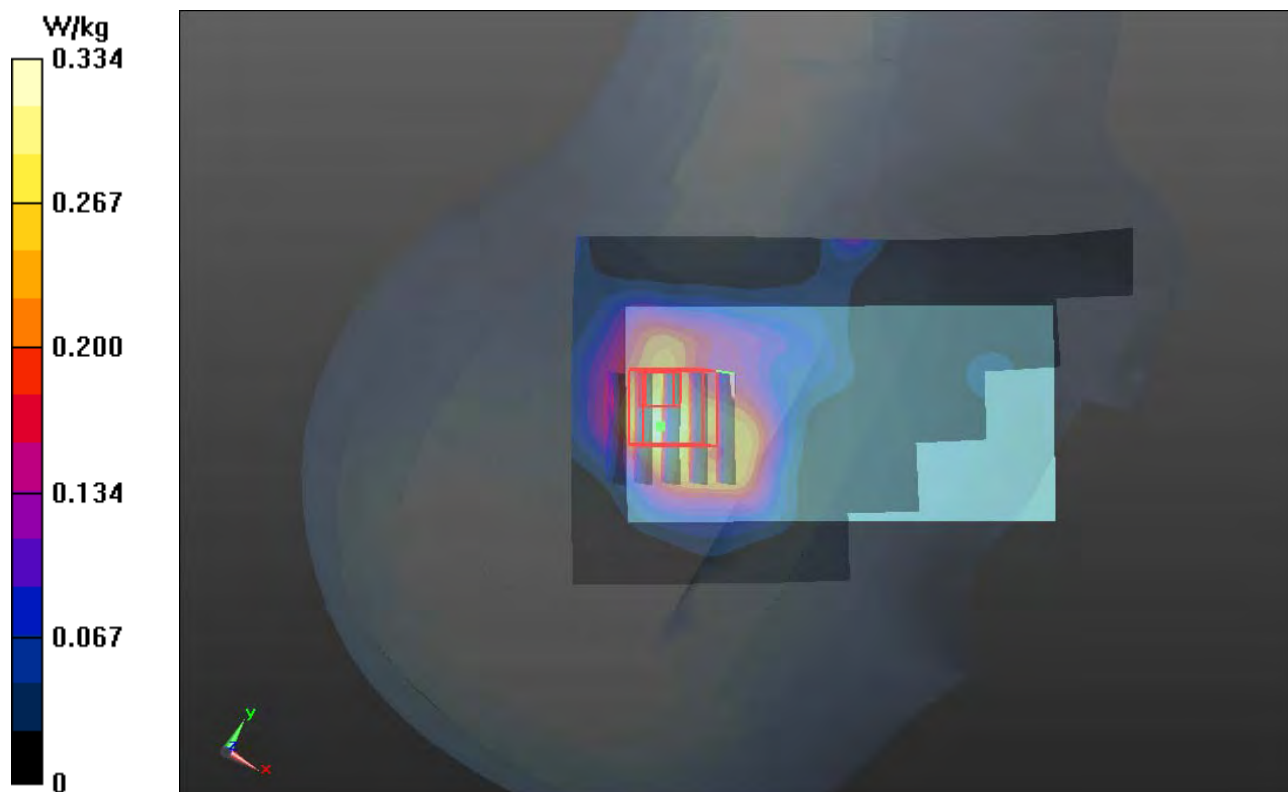
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.641 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.601 mW/g

SAR(1 g) = 0.204 mW/g; SAR(10 g) = 0.125 mW/g

Maximum value of SAR (measured) = 1.60 W/kg



P418 LTE25_QPSK_10M_Right Tilted_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.511 W/kg

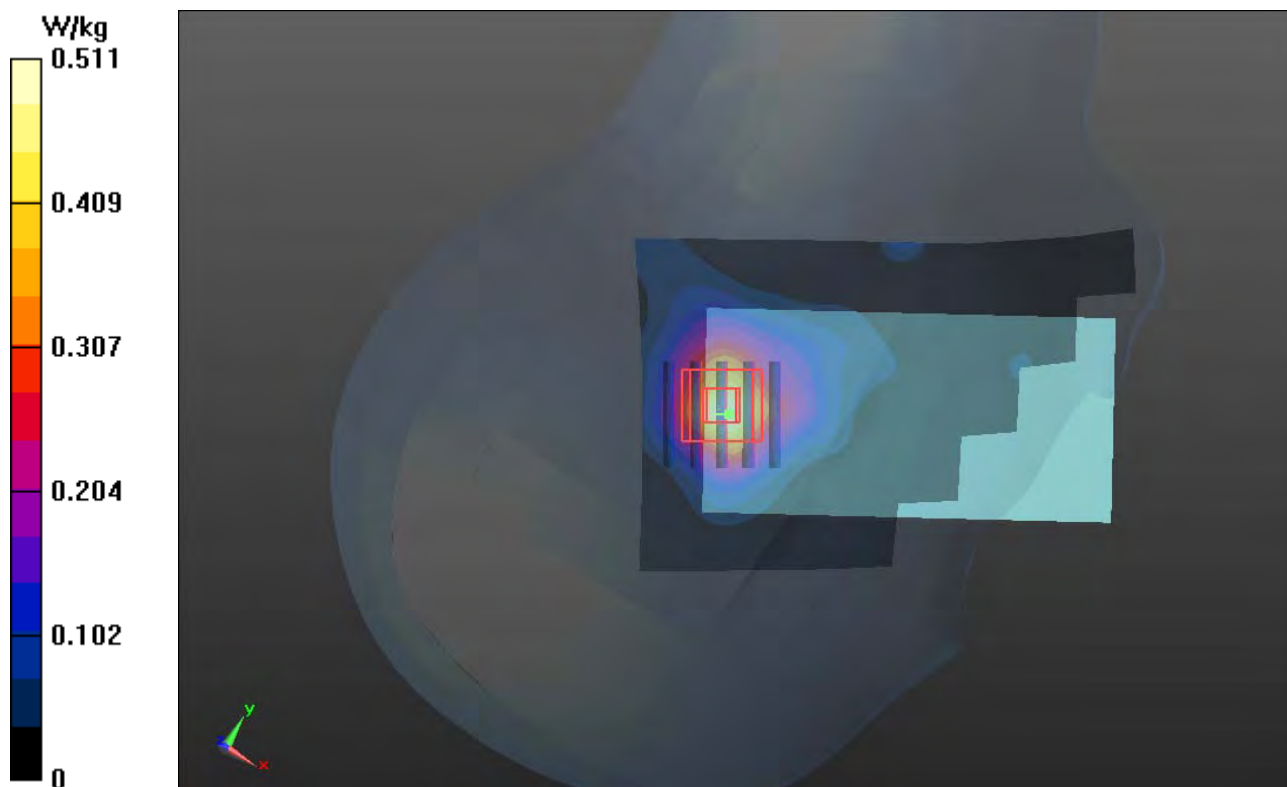
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.971 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.534 mW/g

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.189 mW/g

Maximum value of SAR (measured) = 0.420 W/kg



P419 LTE25_QPSK_10M_Left Cheek_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.453 W/kg

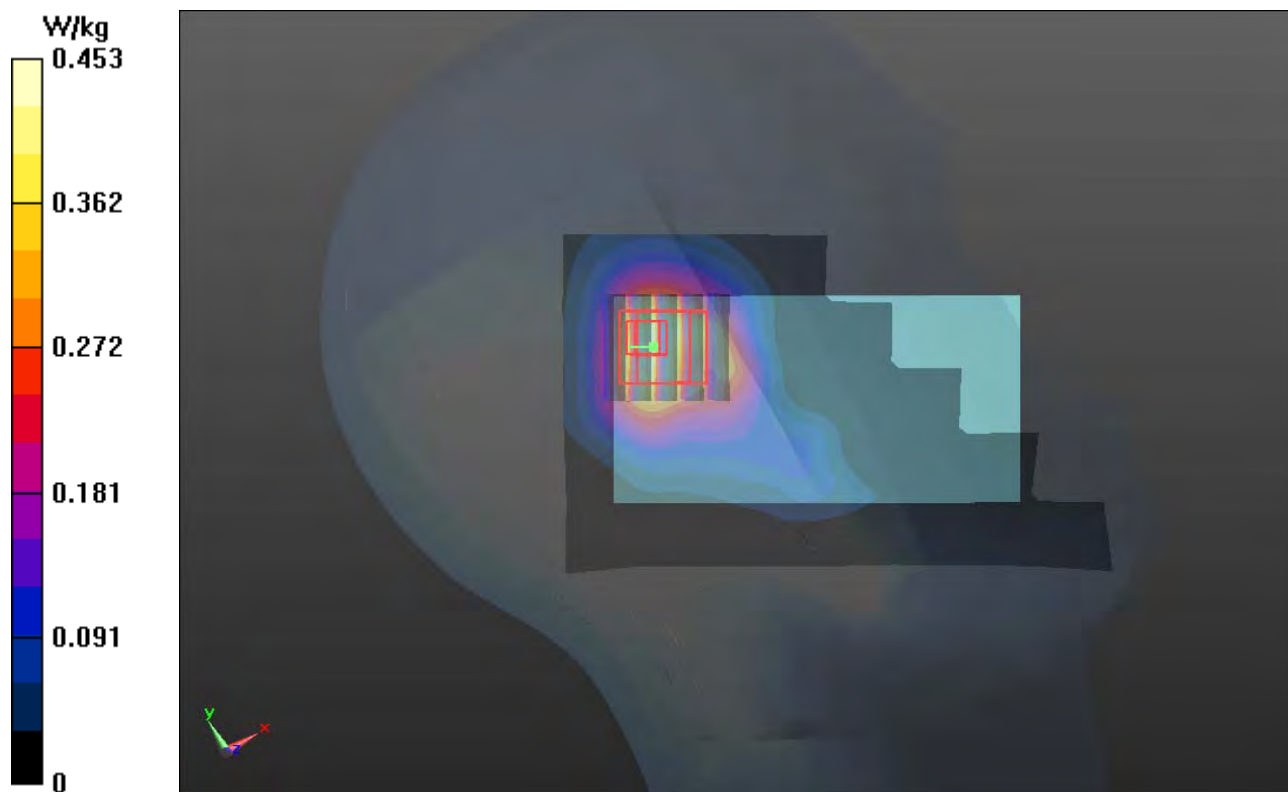
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.635 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.572 mW/g

SAR(1 g) = 0.315 mW/g; SAR(10 g) = 0.179 mW/g

Maximum value of SAR (measured) = 0.408 W/kg



P420 LTE25_QPSK_10M_Left Tilted_Ch26365_1RB_offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_0926 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.418$ mho/m; $\epsilon_r = 39.822$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.477 W/kg

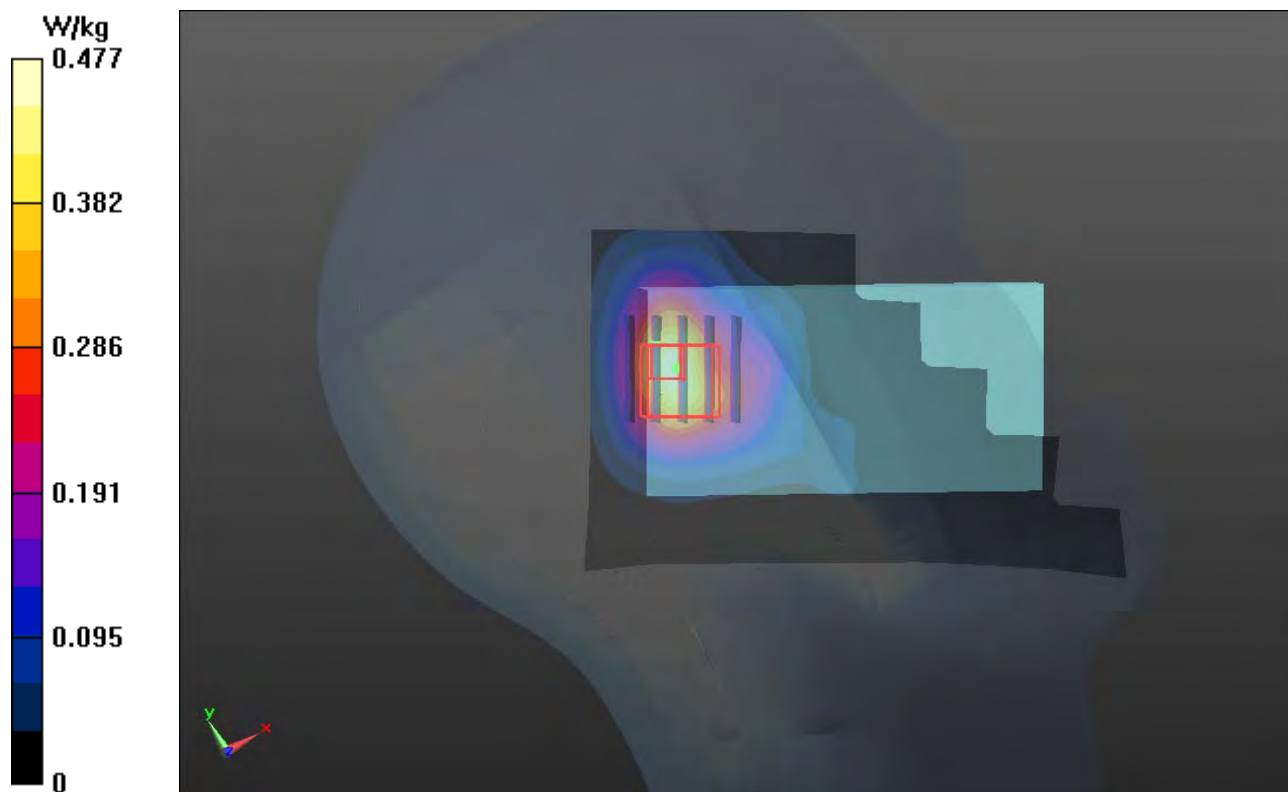
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.596 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.554 mW/g

SAR(1 g) = 0.293 mW/g; SAR(10 g) = 0.178 mW/g

Maximum value of SAR (measured) = 0.408 W/kg



P1048 LTE 25_16QAM_10M_Right Cheek_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

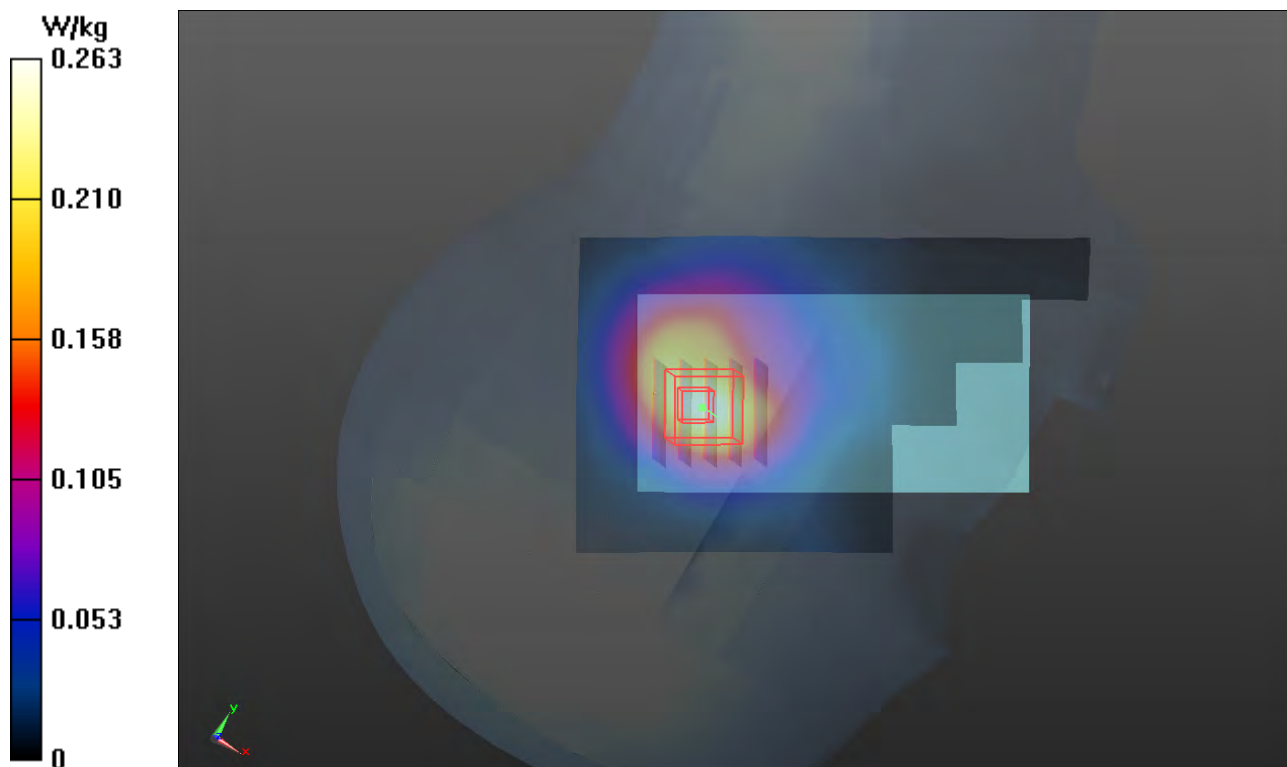
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.973 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.300 mW/g

SAR(1 g) = 0.185 mW/g; SAR(10 g) = 0.113 mW/g

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



P1049 LTE 25_16QAM_10M_Right Tilted_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

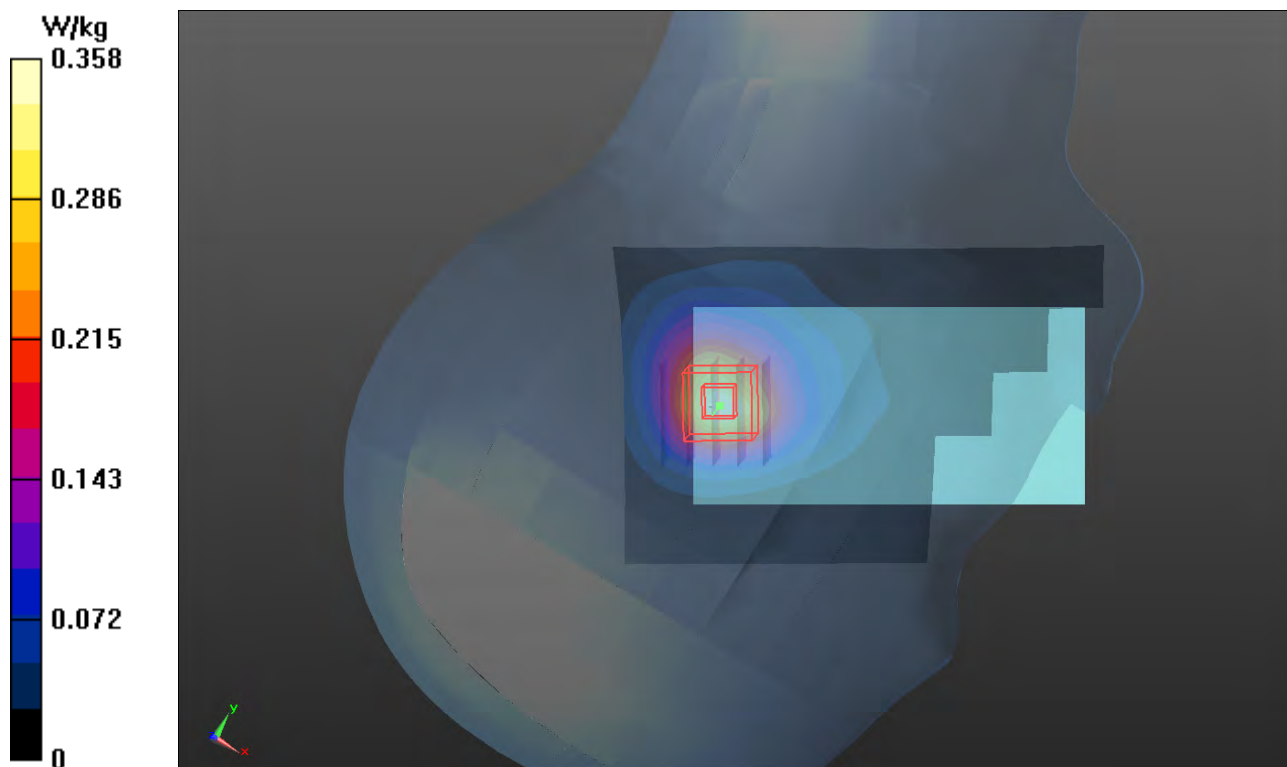
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.297 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.400 mW/g

SAR(1 g) = 0.238 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.316 W/kg



P1050 LTE 25_16QAM_10M_Left Cheek_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

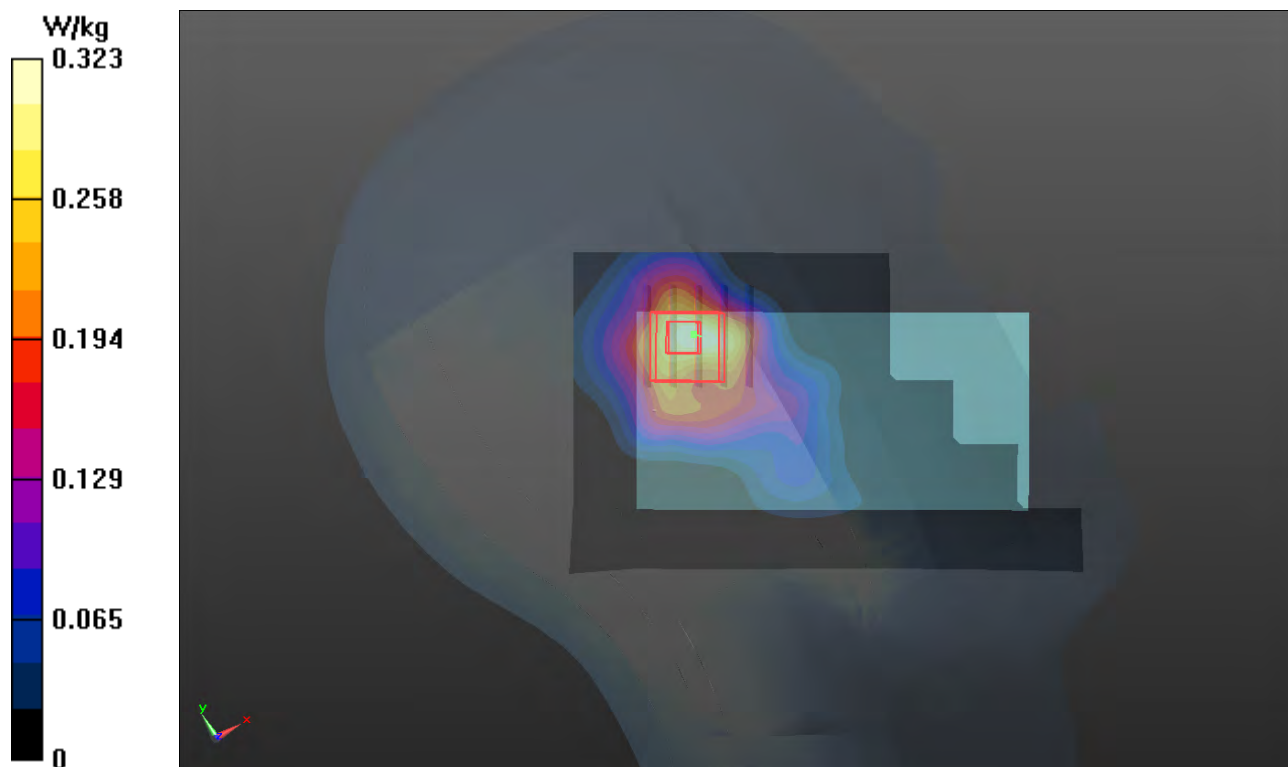
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.211 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.335 mW/g

SAR(1 g) = 0.195 mW/g; SAR(10 g) = 0.112 mW/g

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



P1051 LTE 25_16QAM_10M_Left Tilted_Ch26365_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.357 W/kg

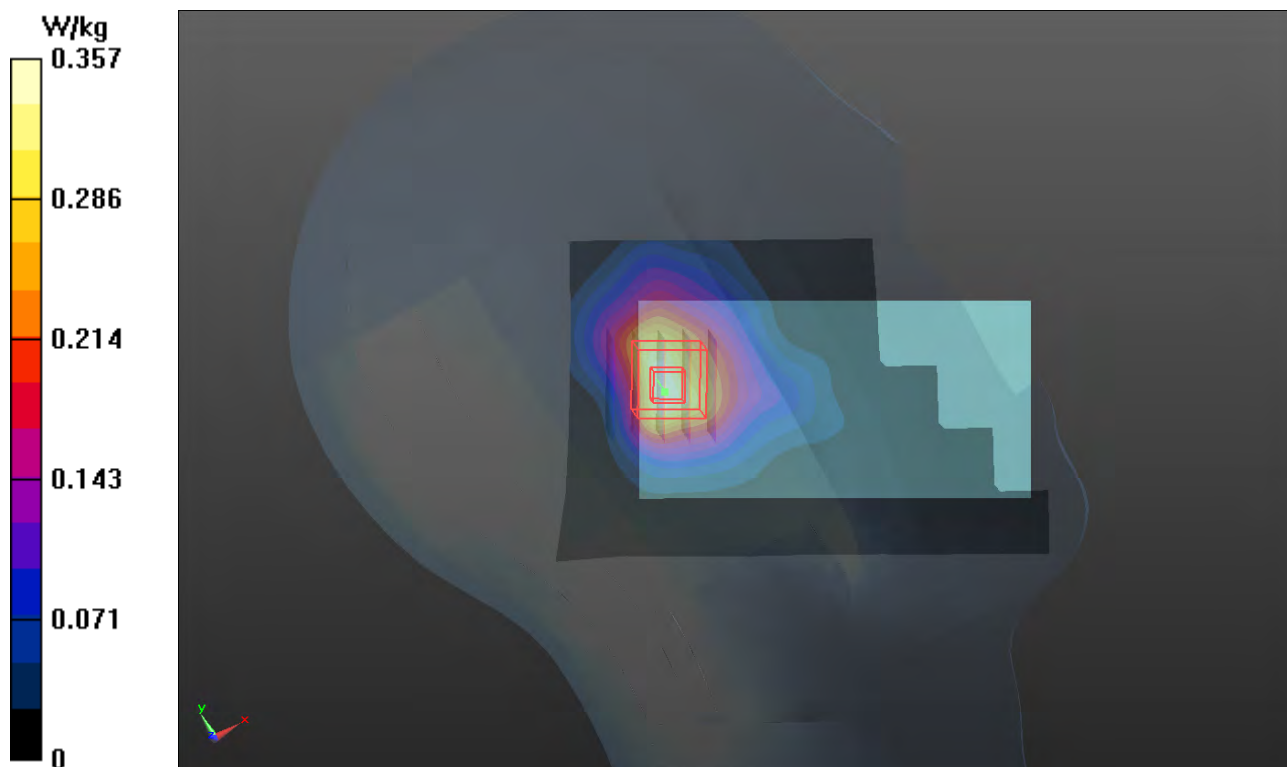
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.952 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.397 mW/g

SAR(1 g) = 0.234 mW/g; SAR(10 g) = 0.136 mW/g

Maximum value of SAR (measured) = 0.316 W/kg



P1052 LTE 25_16QAM_10M_Right Cheek_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.261 W/kg

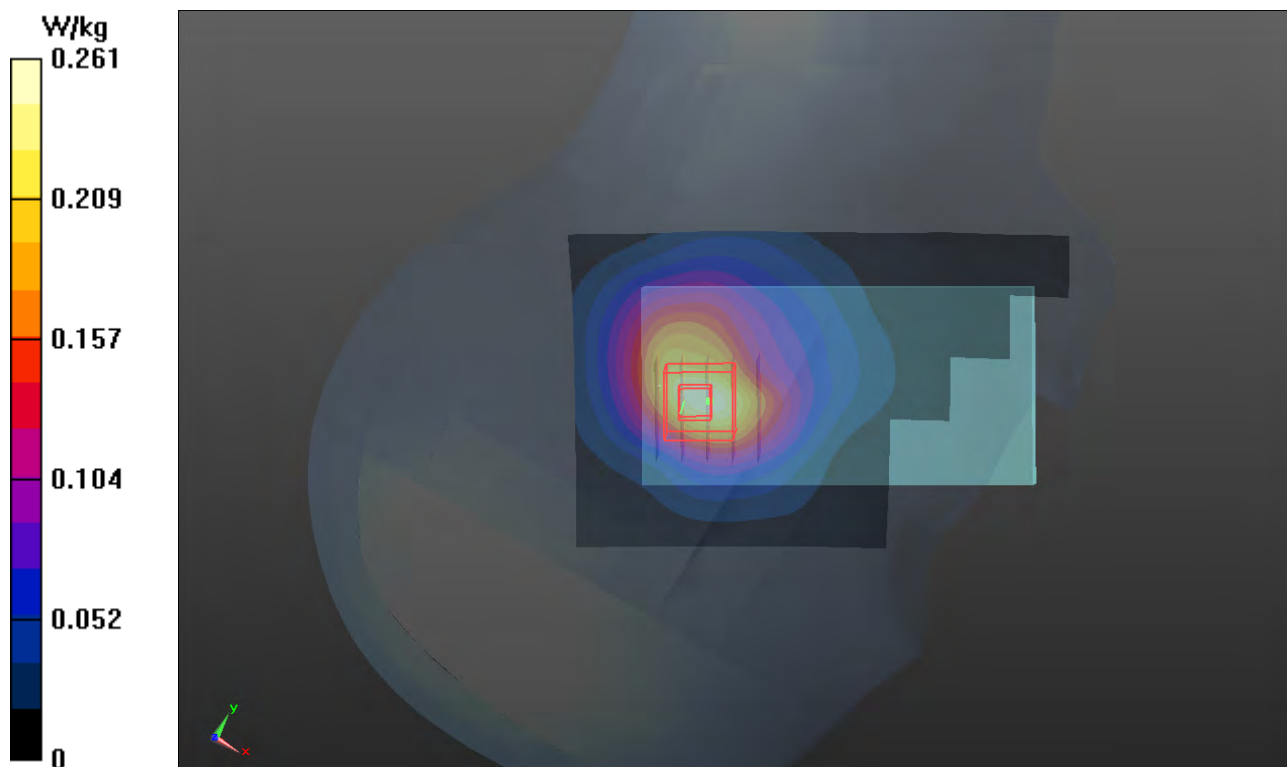
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.124 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.290 mW/g

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.236 W/kg



P1053 LTE 25_16QAM_10M_Right Tilted_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.326 W/kg

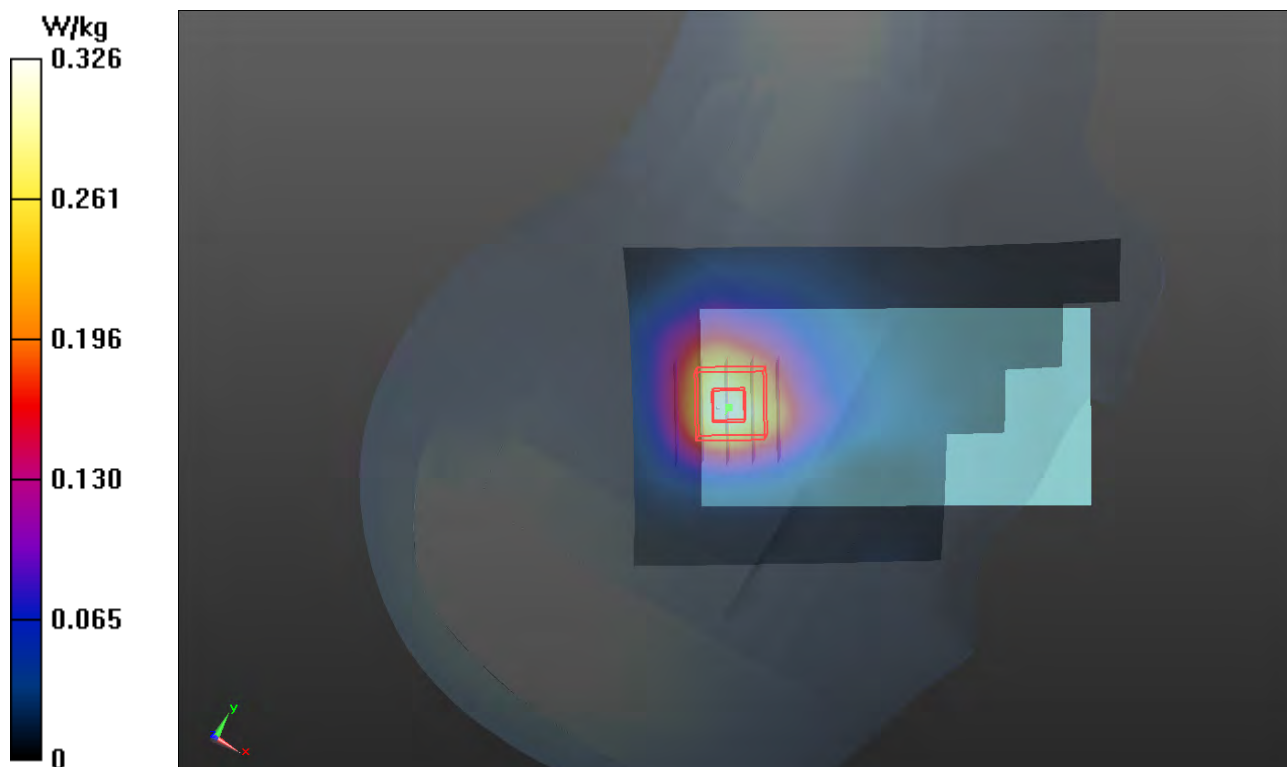
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.715 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.408 mW/g

SAR(1 g) = 0.240 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.331 W/kg



P1054 LTE 25_16QAM_10M_Left Cheek_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

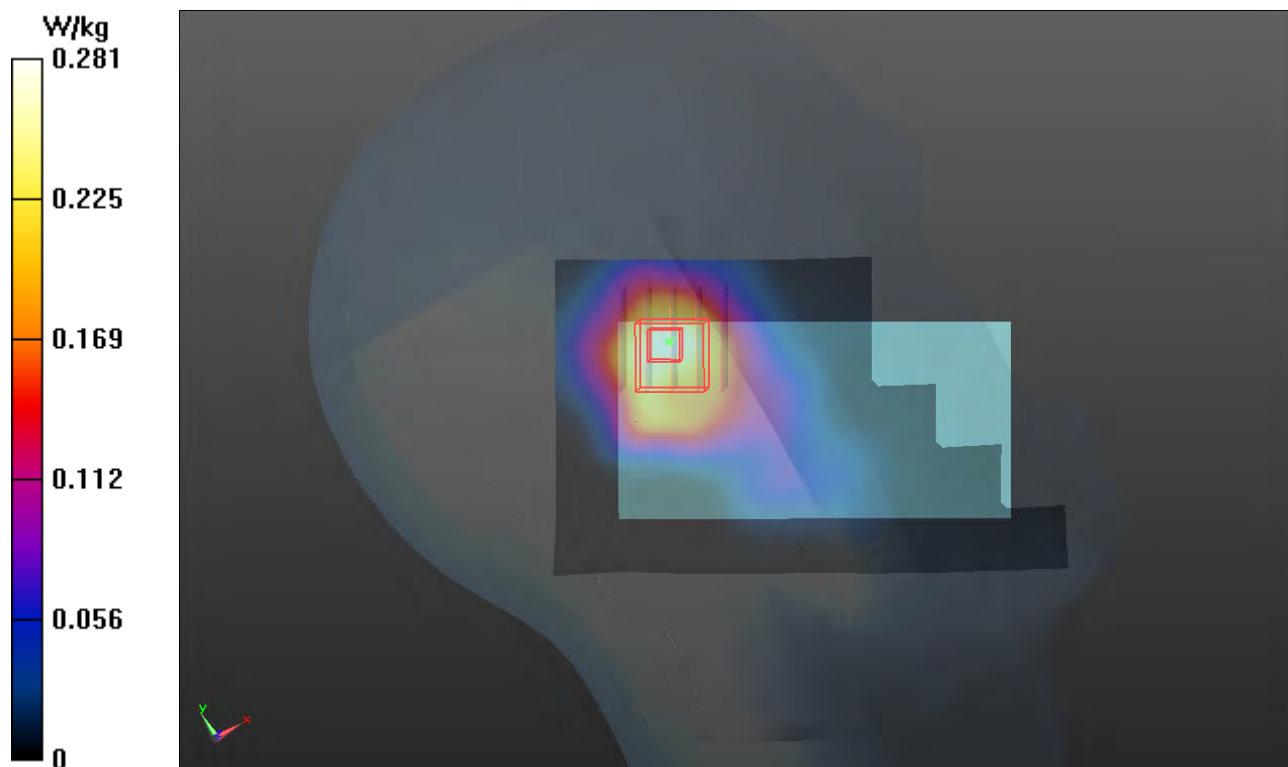
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.179 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.339 mW/g

SAR(1 g) = 0.196 mW/g; SAR(10 g) = 0.112 mW/g

Maximum value of SAR (measured) = 0.264 W/kg



P1055 LTE 25_16QAM_10M_Left Tilted_Ch26365_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.354 W/kg

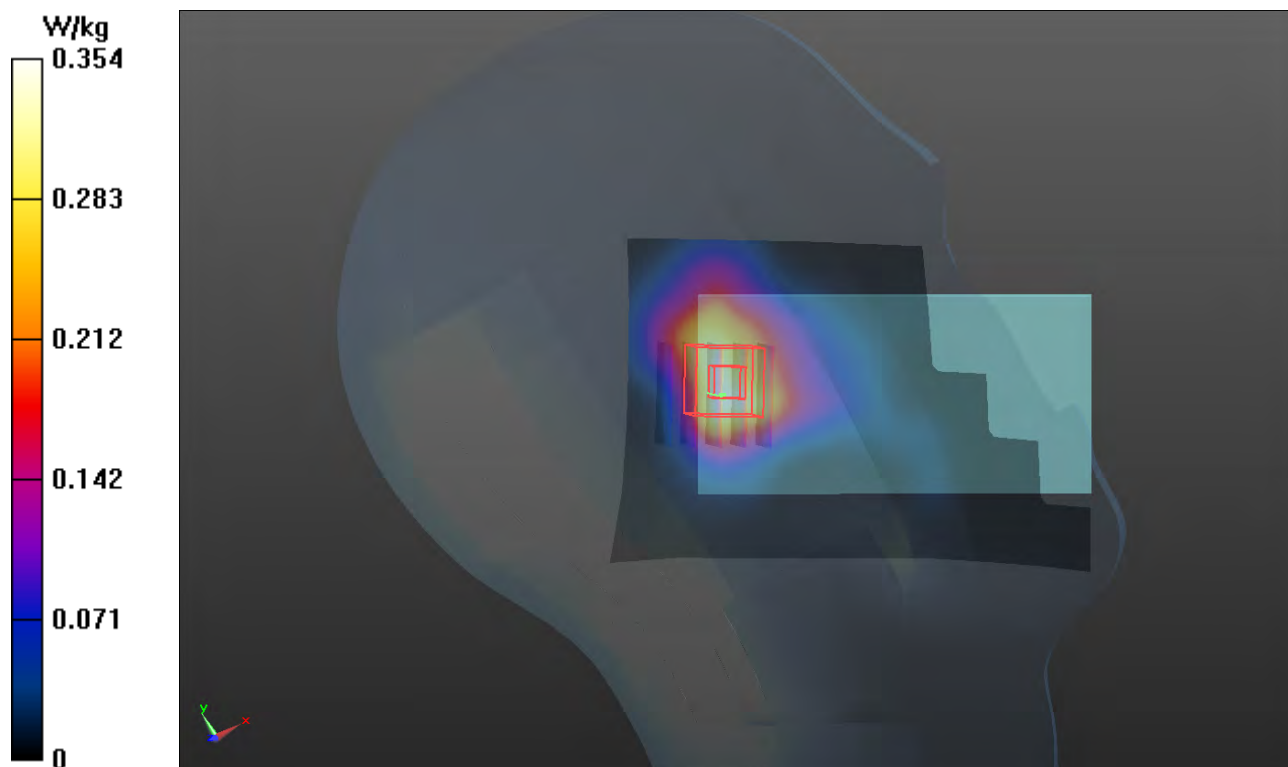
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.847 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.376 mW/g

SAR(1 g) = 0.223 mW/g; SAR(10 g) = 0.132 mW/g

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



P1056 LTE 25_16QAM_10M_Right Cheek_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

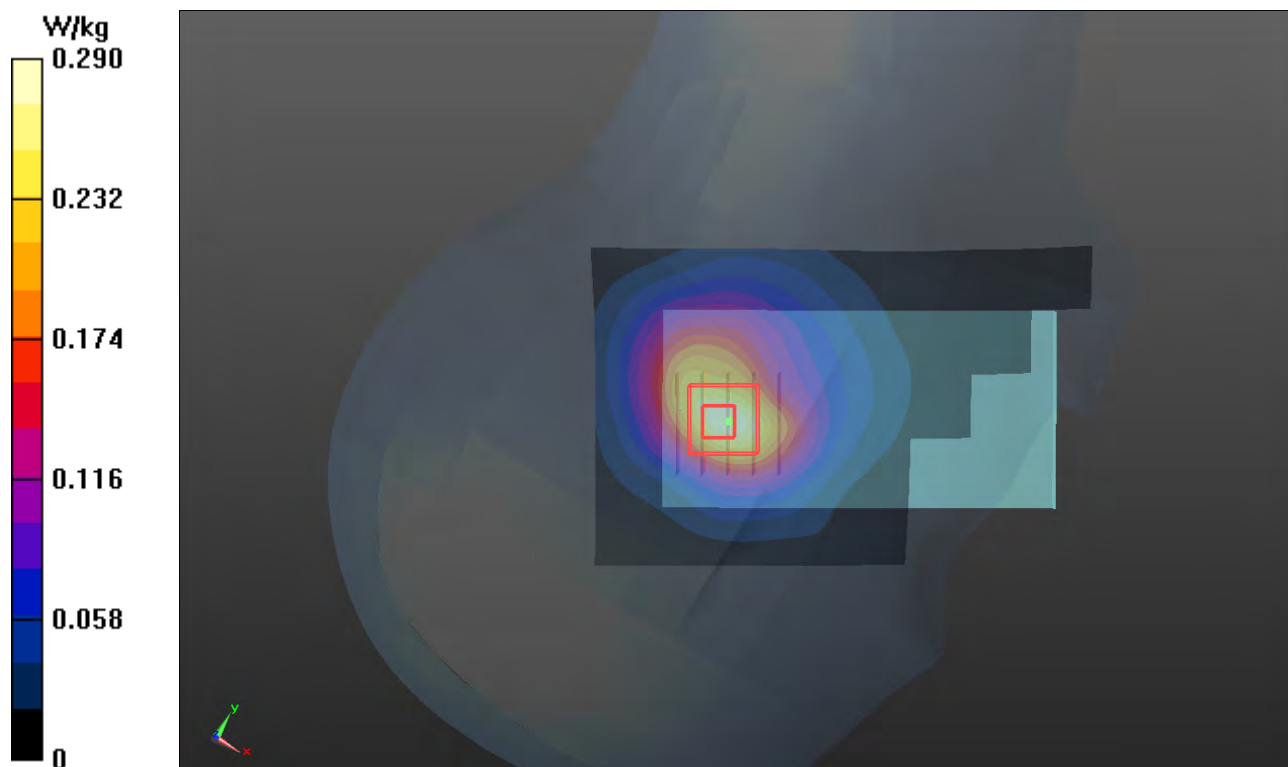
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.777 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.303 mW/g

SAR(1 g) = 0.200 mW/g; SAR(10 g) = 0.122 mW/g

Maximum value of SAR (measured) = 0.252 W/kg



P1057 LTE 25_16QAM_10M_Right Tilted_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.373 W/kg

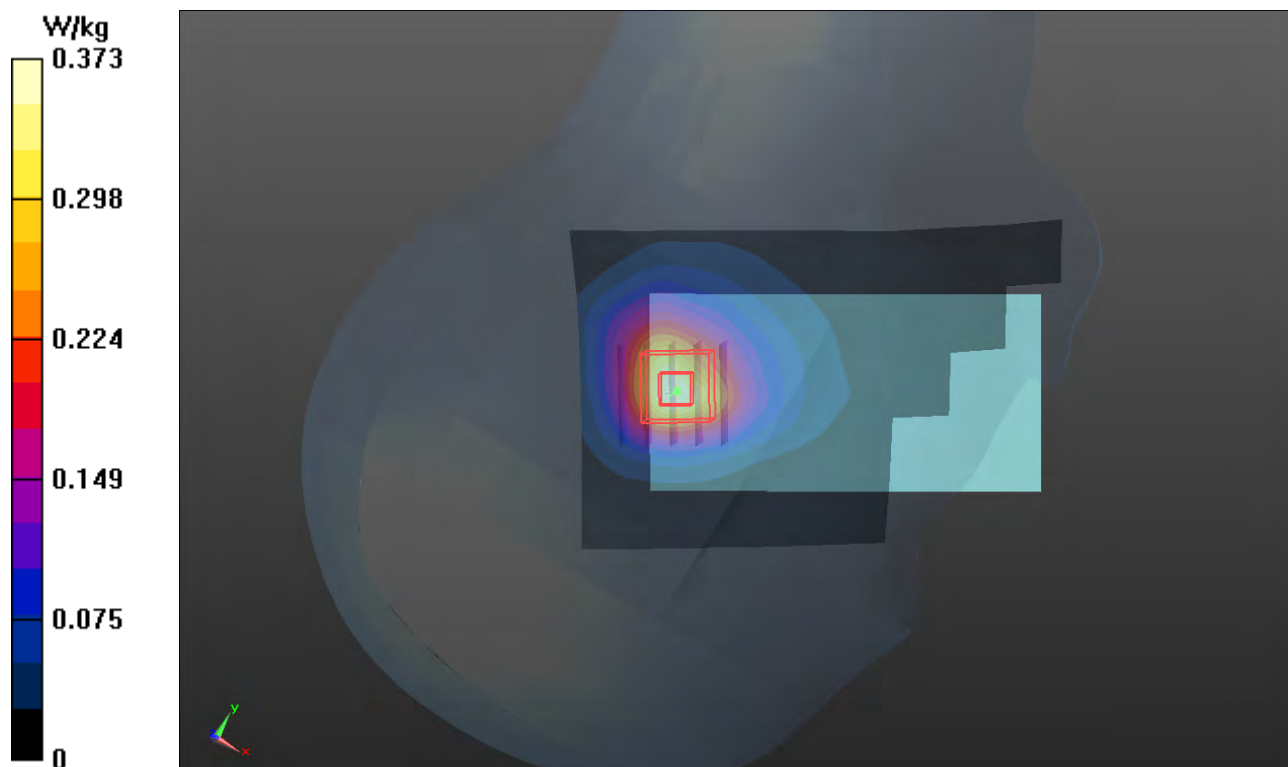
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.398 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.423 mW/g

SAR(1 g) = 0.256 mW/g; SAR(10 g) = 0.149 mW/g

Maximum value of SAR (measured) = 0.337 W/kg



P1058 LTE 25_16QAM_10M_Left Cheek_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

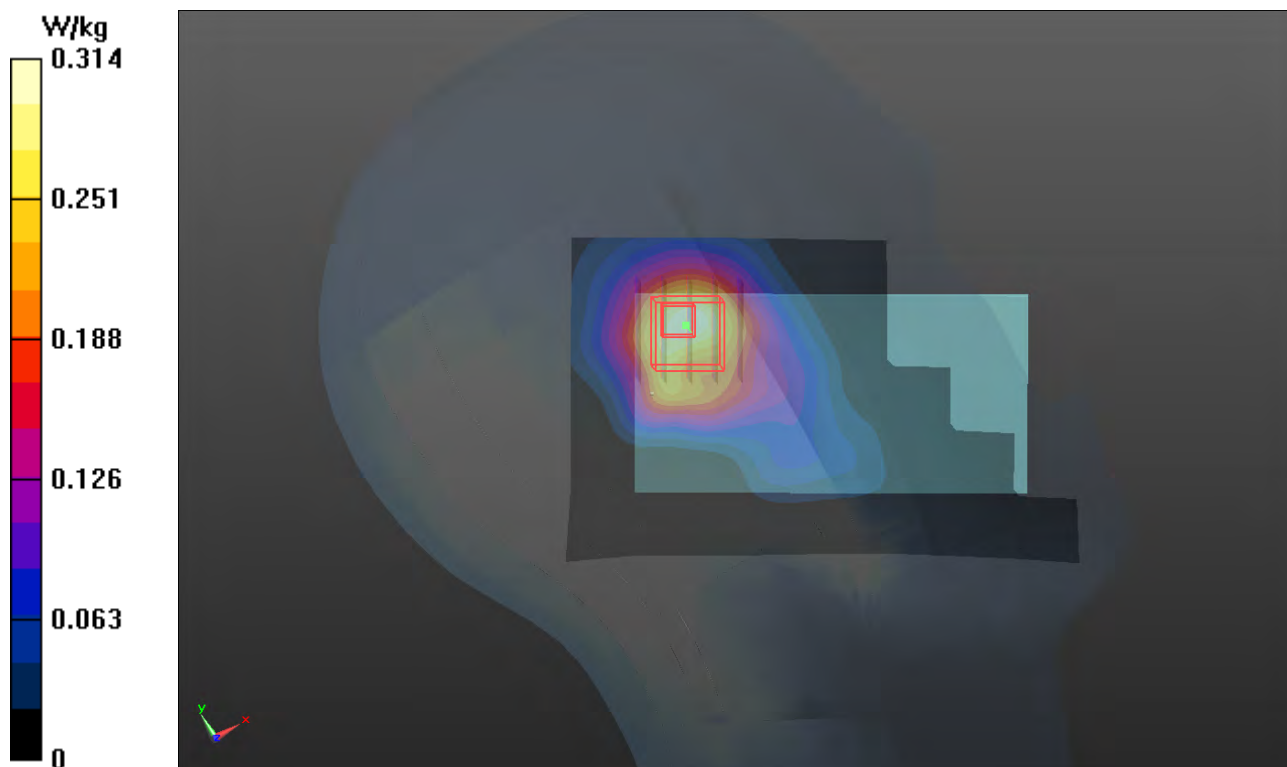
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.793 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.352 mW/g

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.120 mW/g

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



P1059 LTE 25_16QAM_10M_Left Tilted_Ch26365_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1882.5 MHz; Duty Cycle: 1:1

Medium: H1900_1017 Medium parameters used: $f = 1882.5$ MHz; $\sigma = 1.396$ mho/m; $\epsilon_r = 40.361$; $\rho = 1000$ 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)

Ch26365/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

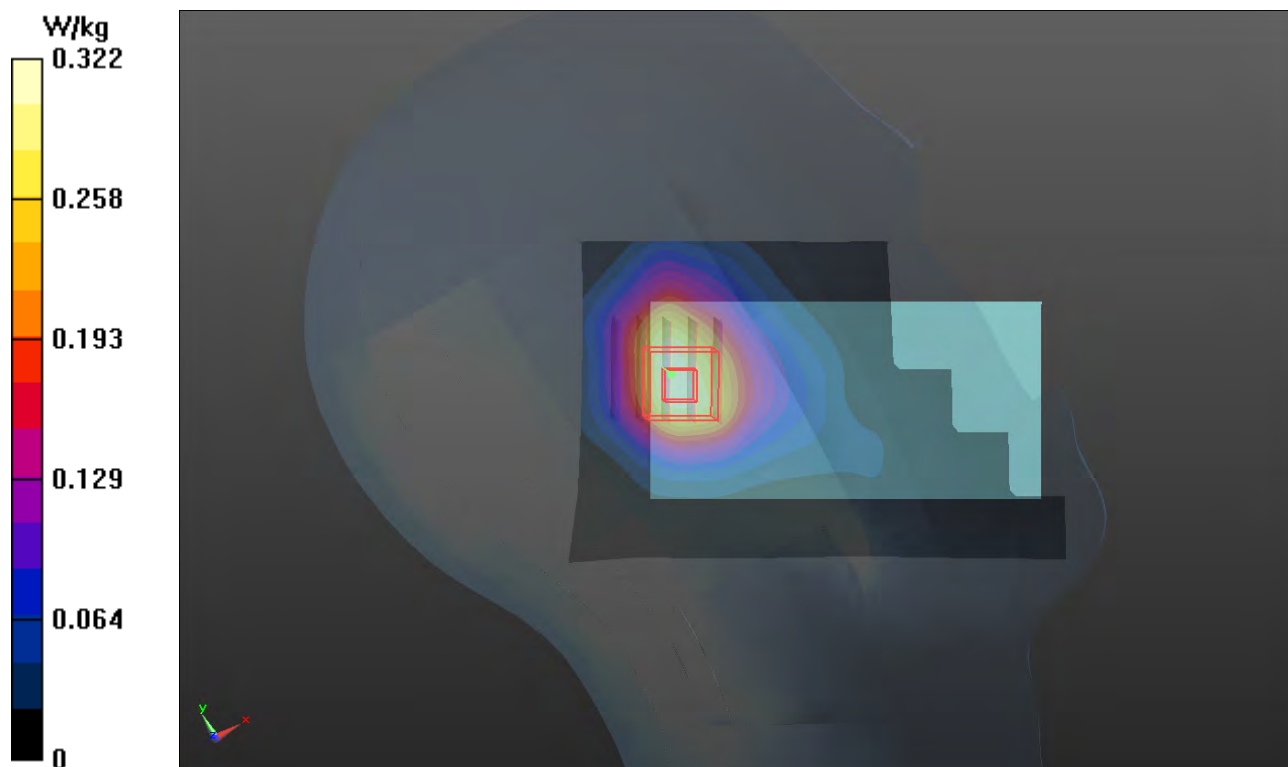
Ch26365/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.416 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.408 mW/g

SAR(1 g) = 0.245 mW/g; SAR(10 g) = 0.140 mW/g

Maximum value of SAR (measured) = 0.320 W/kg



P101 802.11b_Right Cheek_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_0911 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.751$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- 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)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.584 W/kg

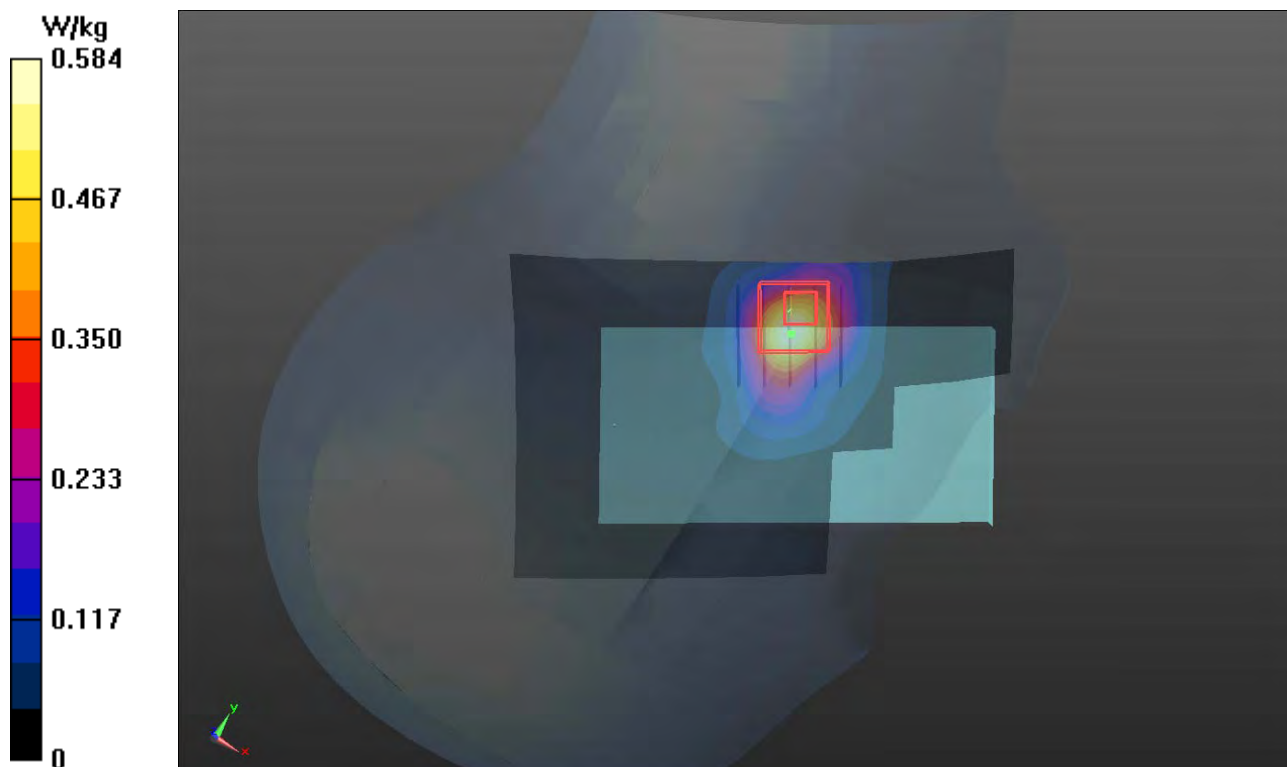
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

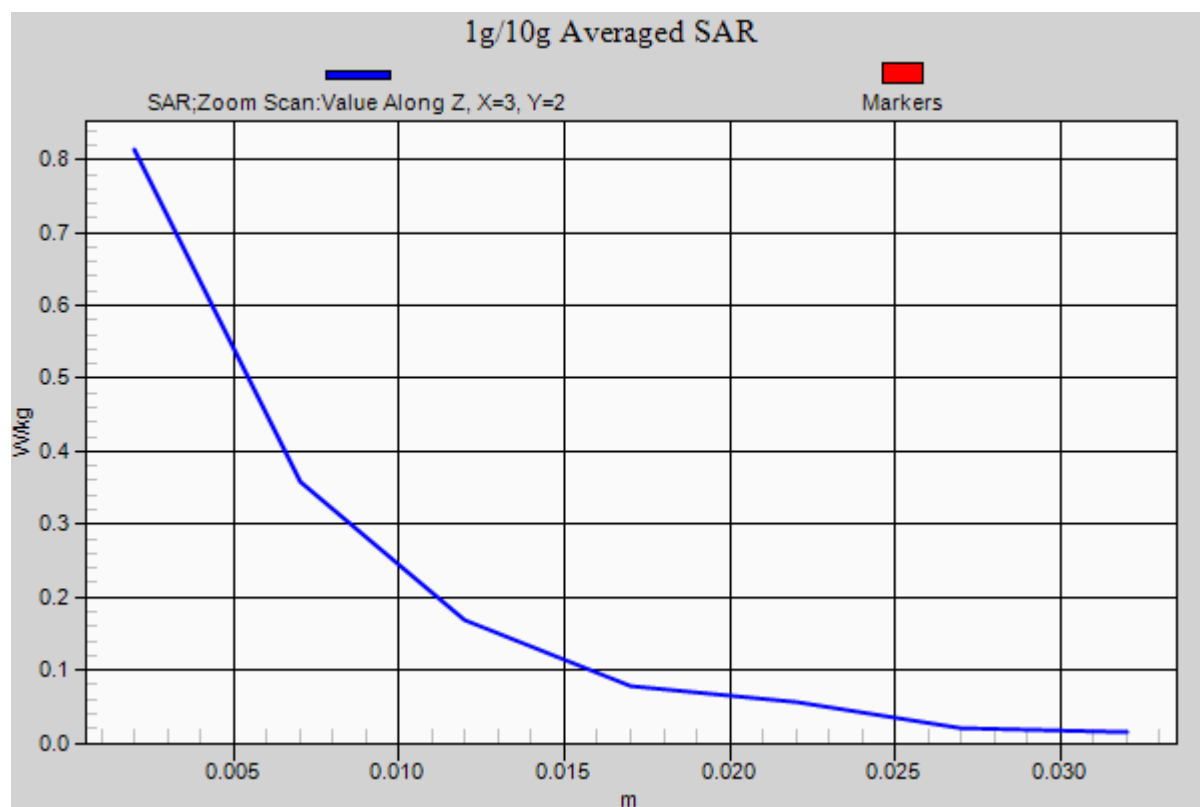
Reference Value = 3.586 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.078 mW/g

SAR(1 g) = 0.506 mW/g; SAR(10 g) = 0.218 mW/g

Maximum value of SAR (measured) = 0.814 W/kg





P102 802.11b_Right Tilted_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_0911 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.751$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- 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)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.719 W/kg

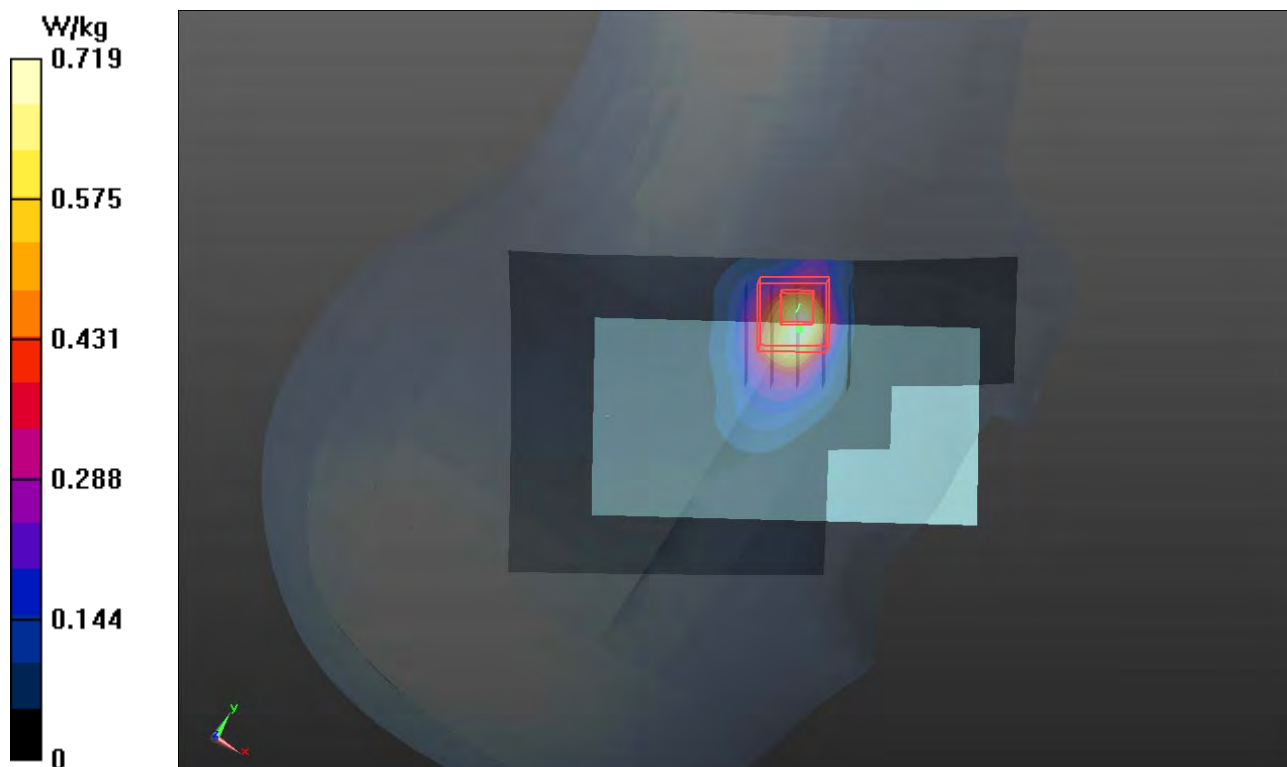
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.752 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 1.030 mW/g

SAR(1 g) = 0.471 mW/g; SAR(10 g) = 0.203 mW/g

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



P103 802.11b_Left Cheek_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_0911 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.751$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- 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)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.423 W/kg

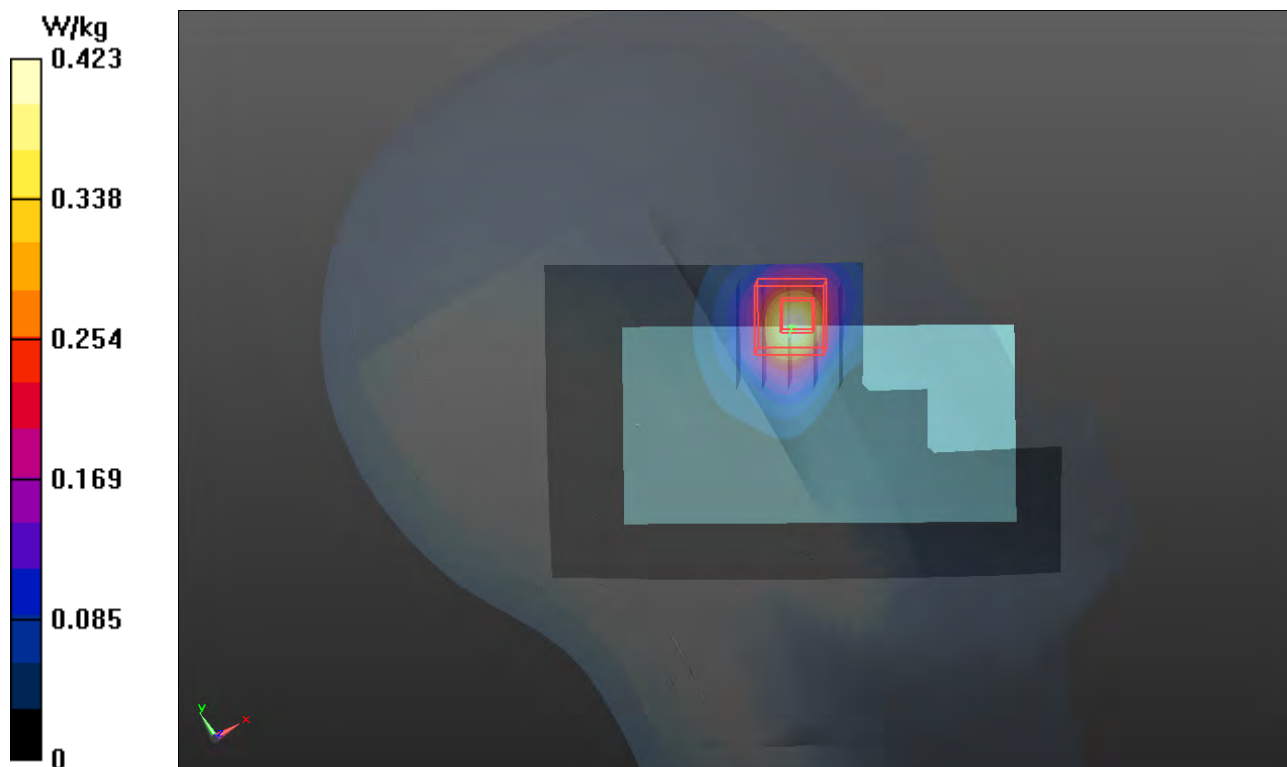
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.453 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.900 mW/g

SAR(1 g) = 0.322 mW/g; SAR(10 g) = 0.145 mW/g

Maximum value of SAR (measured) = 0.445 W/kg



P104 802.11b_Left Tilted_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_0911 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.751$ mho/m; $\epsilon_r = 40.25$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/02/23;
- 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)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

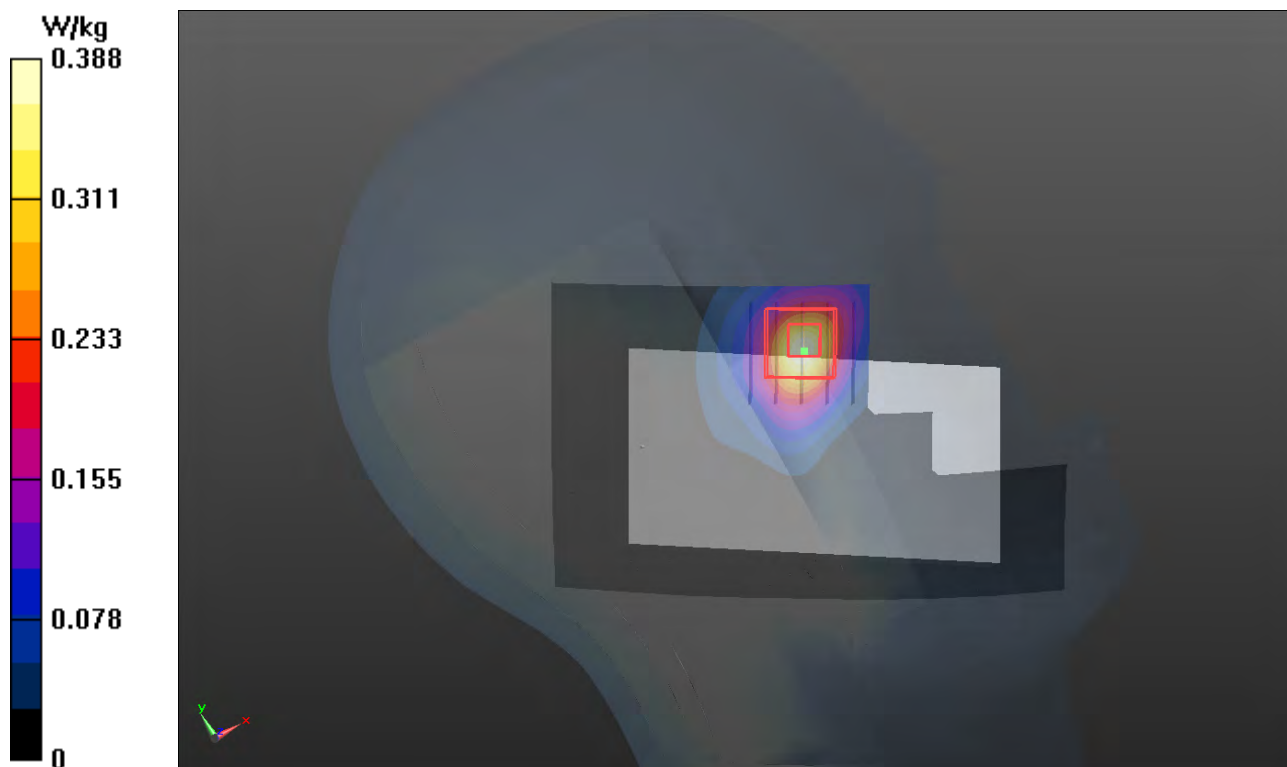
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.519 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.538 mW/g

SAR(1 g) = 0.274 mW/g; SAR(10 g) = 0.130 mW/g

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



P123 802.11b_Right Cheek_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_1002 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.781$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); Calibrated: 2012/7/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/8/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (6x9x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (measured) = 0.103 W/kg

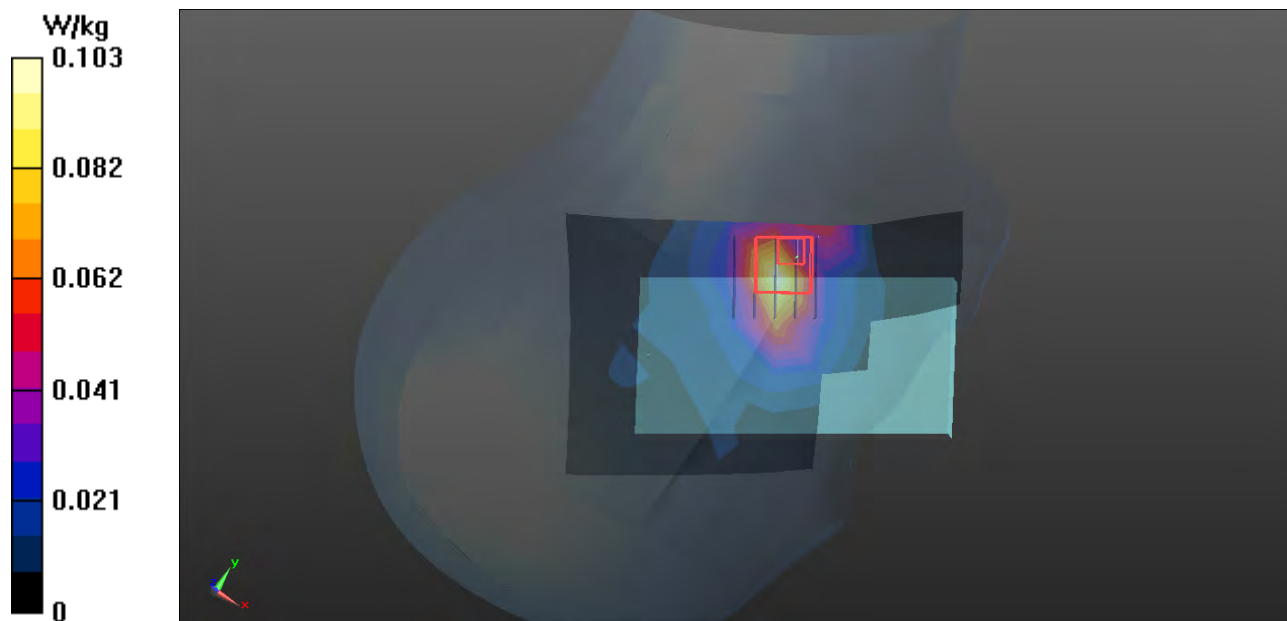
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.308 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.240 mW/g

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.049 mW/g

Maximum value of SAR (measured) = 0.161 W/kg



P119 802.11b_Right Tilted_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_1002 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.781$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); Calibrated: 2012/7/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/8/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0556 W/kg

Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.998 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.024 mW/g

SAR(1 g) = 0.012 mW/g; SAR(10 g) = 0.00615 mW/g

Maximum value of SAR (measured) = 0.0175 W/kg

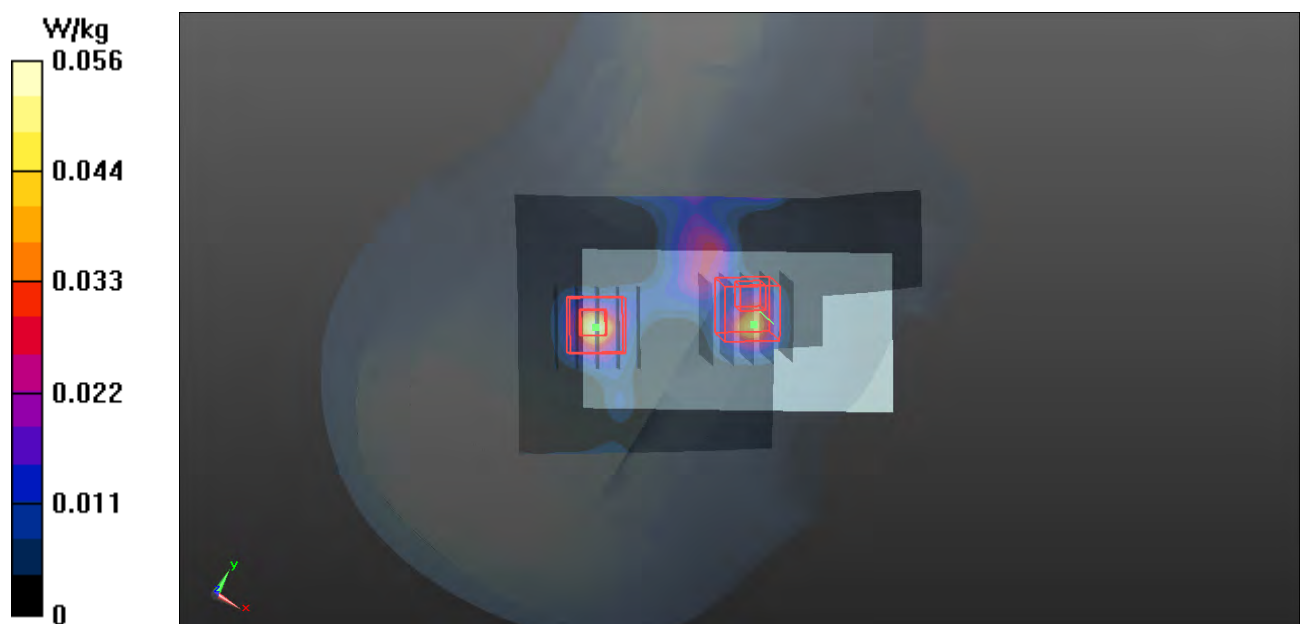
Ch6/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.998 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.024 mW/g

SAR(1 g) = 0.00251 mW/g; SAR(10 g) = 0.000638 mW/g

Maximum value of SAR (measured) = 0.0126 W/kg



P120 802.11b_Left Cheek_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_1002 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.781$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); Calibrated: 2012/7/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/8/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.161 W/kg

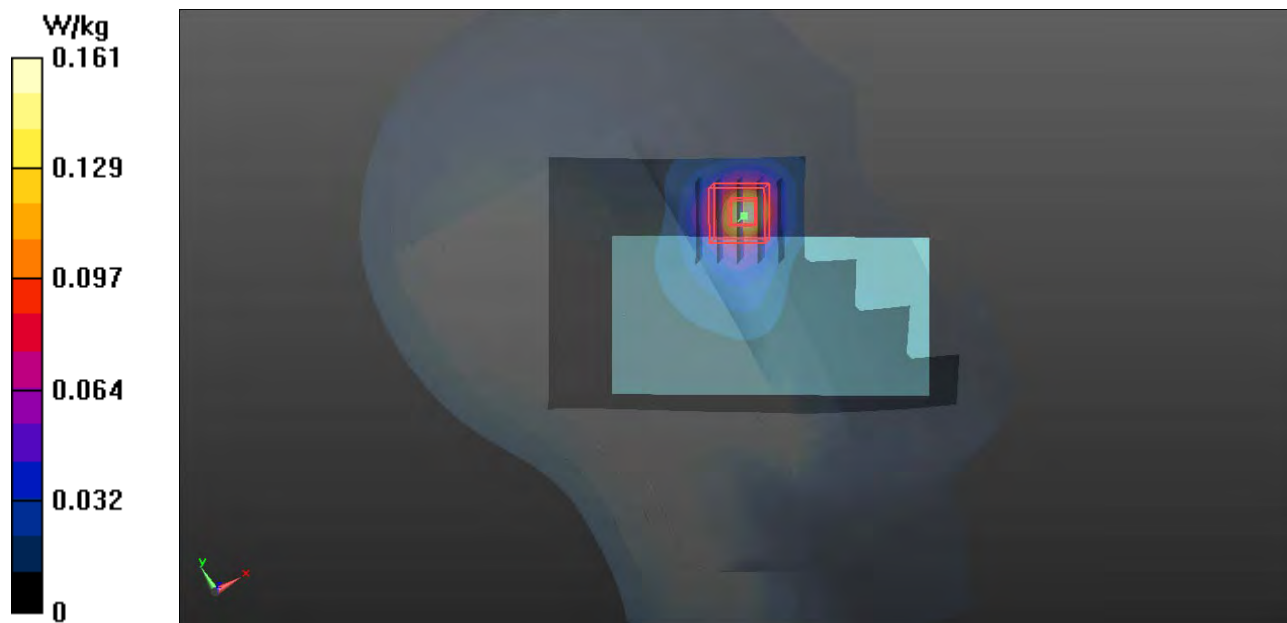
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.388 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.214 mW/g

SAR(1 g) = 0.102 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.157 W/kg



P121 802.11b_Left Tilted_Ch6**DUT: 120822C31**

Communication System: WLAN_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H2450_1002 Medium parameters used: $f = 2437$ MHz; $\sigma = 1.781$ mho/m; $\epsilon_r = 40.412$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.28, 7.28, 7.28); Calibrated: 2012/7/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2012/8/23
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch6/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0346 W/kg

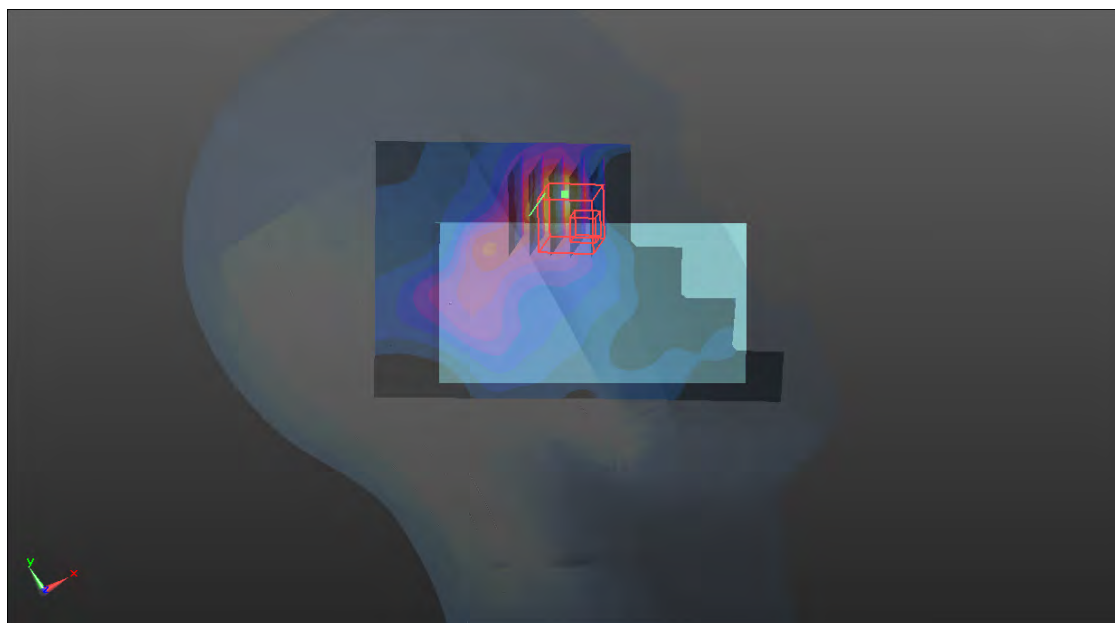
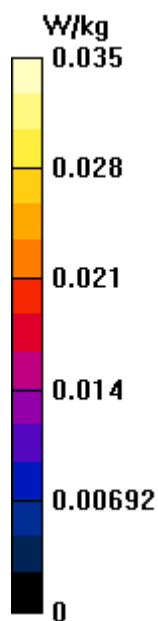
Ch6/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.429 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.00652 mW/g

SAR(1 g) = 7.67e-005 mW/g; SAR(10 g) = 1.11e-005 mW/g

Maximum value of SAR (measured) = 0.0273 W/kg



P07 CDMA2000 BC0_RC3+SO32_Front Face_1cm_Ch1013**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$

kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.30 mW/g

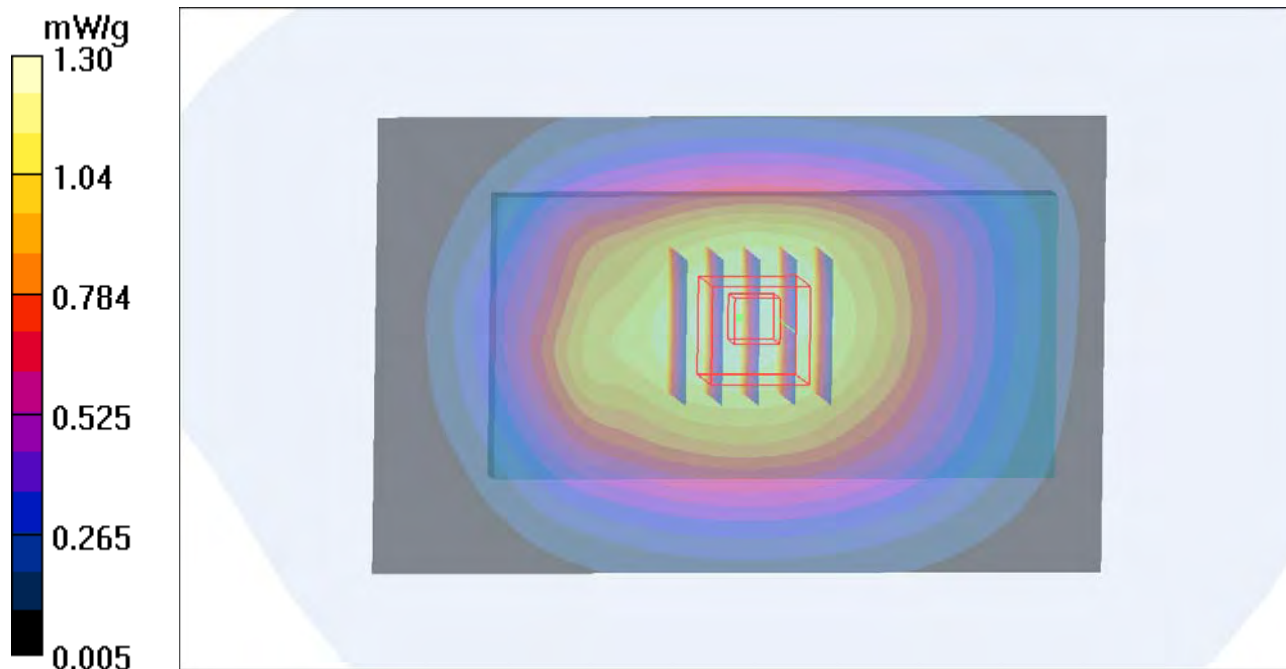
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.1 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 1.39 W/kg

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.862 mW/g

Maximum value of SAR (measured) = 1.27 mW/g



P08 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch1013**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$

kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.28 mW/g

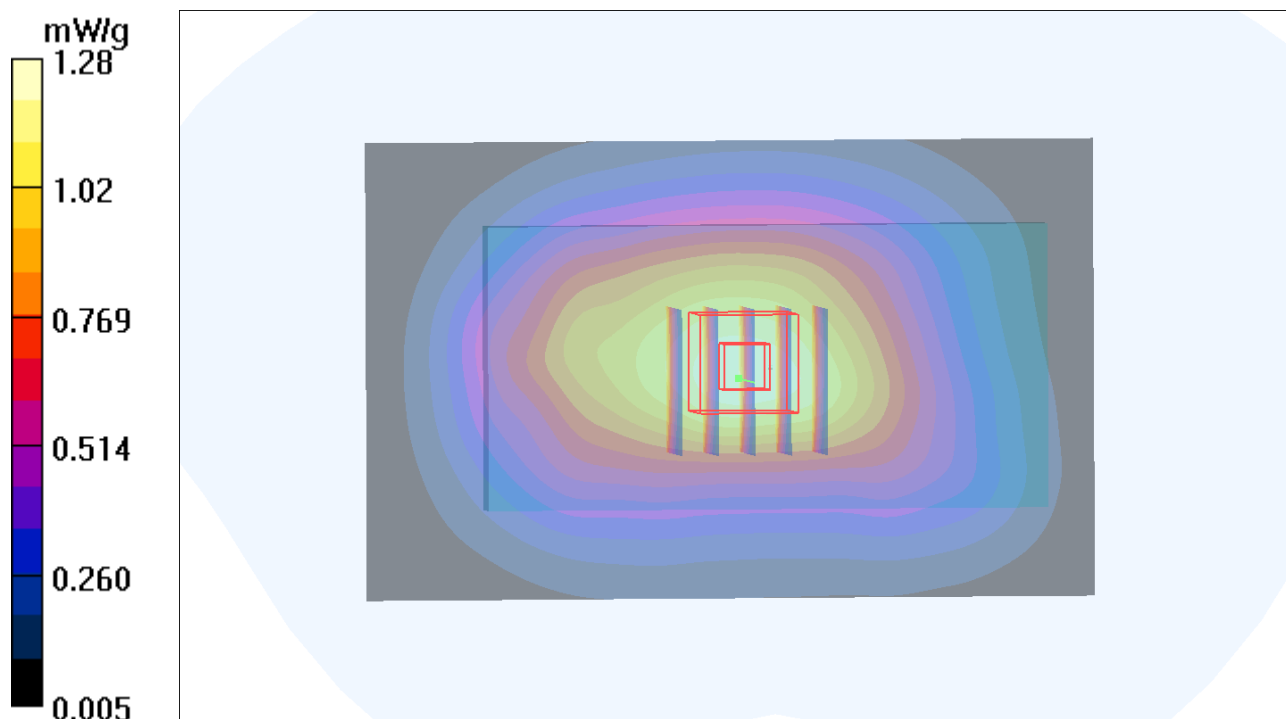
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.7 V/m; Power Drift = -0.087 dB

Peak SAR (extrapolated) = 1.33 W/kg

SAR(1 g) = 1.06 mW/g; SAR(10 g) = 0.796 mW/g

Maximum value of SAR (measured) = 1.21 mW/g



P09 CDMA2000 BC0_RC3+SO32_Let Side_1cm_Ch1013**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$

kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1013/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.911 mW/g

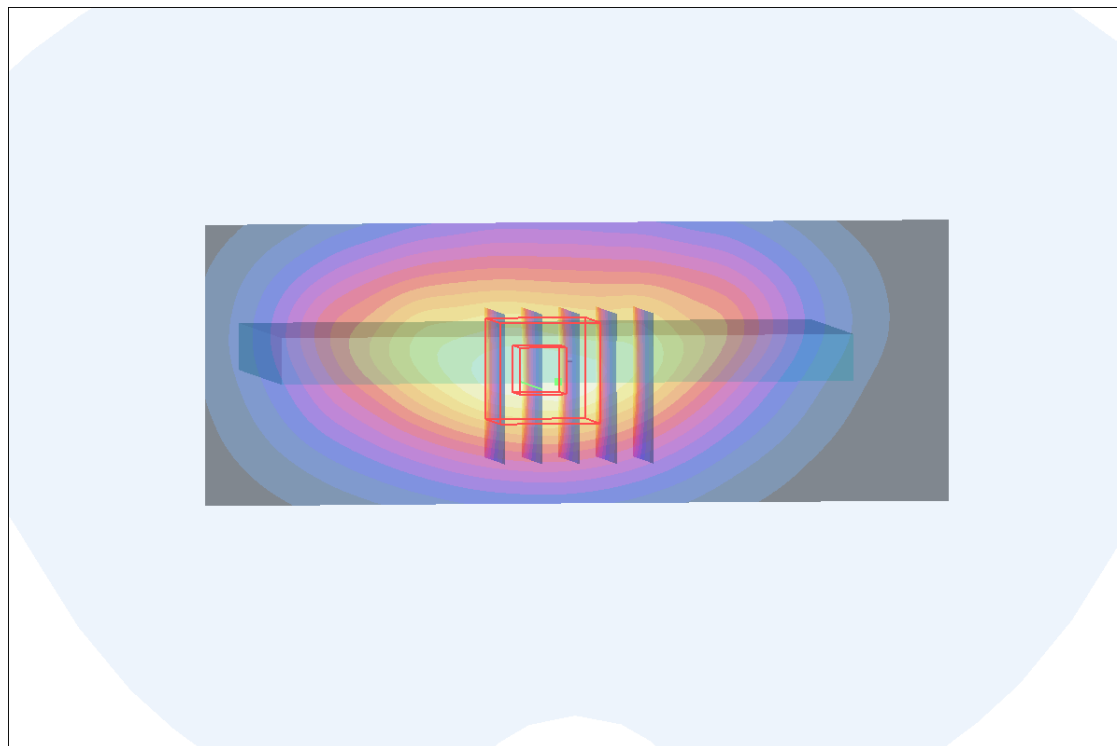
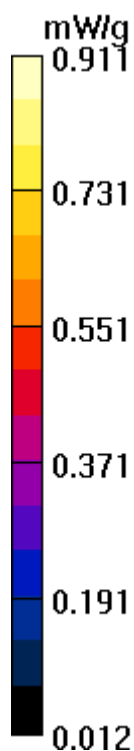
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.0 V/m; Power Drift = -0.051 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.779 mW/g; SAR(10 g) = 0.535 mW/g

Maximum value of SAR (measured) = 0.945 mW/g



P10 CDMA2000 BC0_RC3+SO32_Right Side_1cm_Ch1013**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$

kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1013/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.08 mW/g

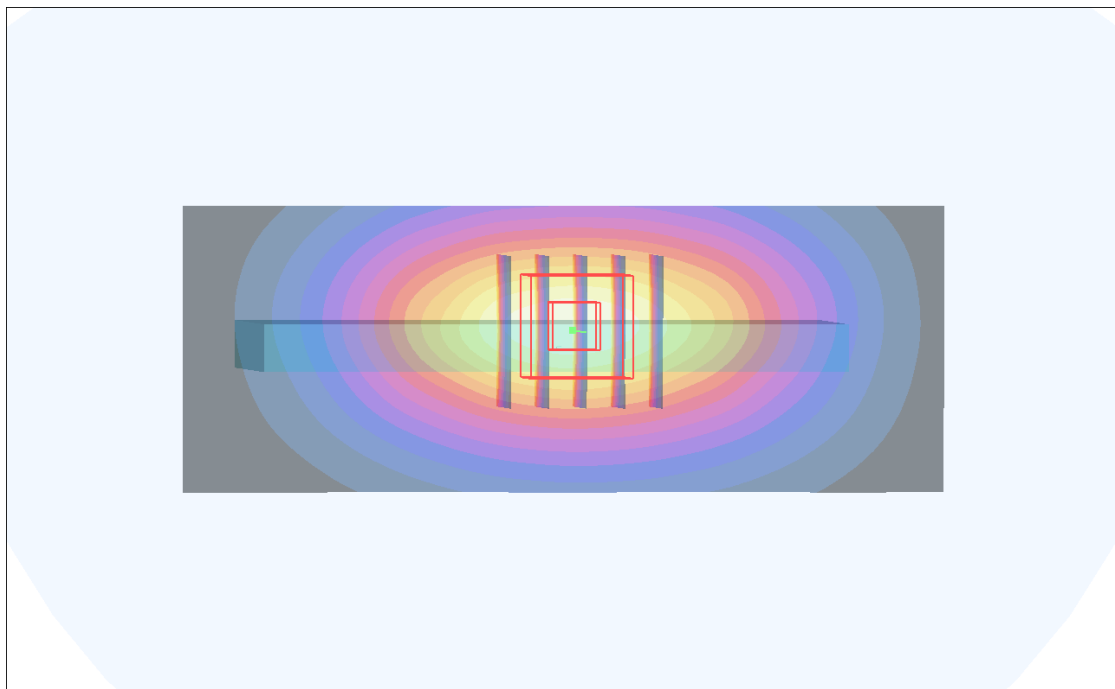
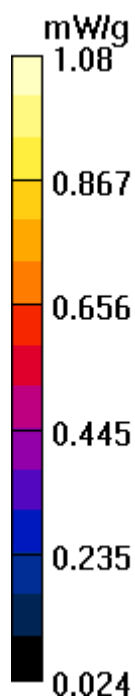
Ch1013/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.9 V/m; Power Drift = -0.057 dB

Peak SAR (extrapolated) = 1.25 W/kg

SAR(1 g) = 0.892 mW/g; SAR(10 g) = 0.620 mW/g

Maximum value of SAR (measured) = 1.09 mW/g



P11 CDMA2000 BC0_RC3+SO32_Buttom Side_1cm_Ch1013**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 825$ MHz; $\sigma = 0.97$ mho/m; $\epsilon_r = 55.9$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch1013/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.083 mW/g

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

Reference Value = 7.42 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.123 W/kg

SAR(1 g) = 0.070 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.092 mW/g

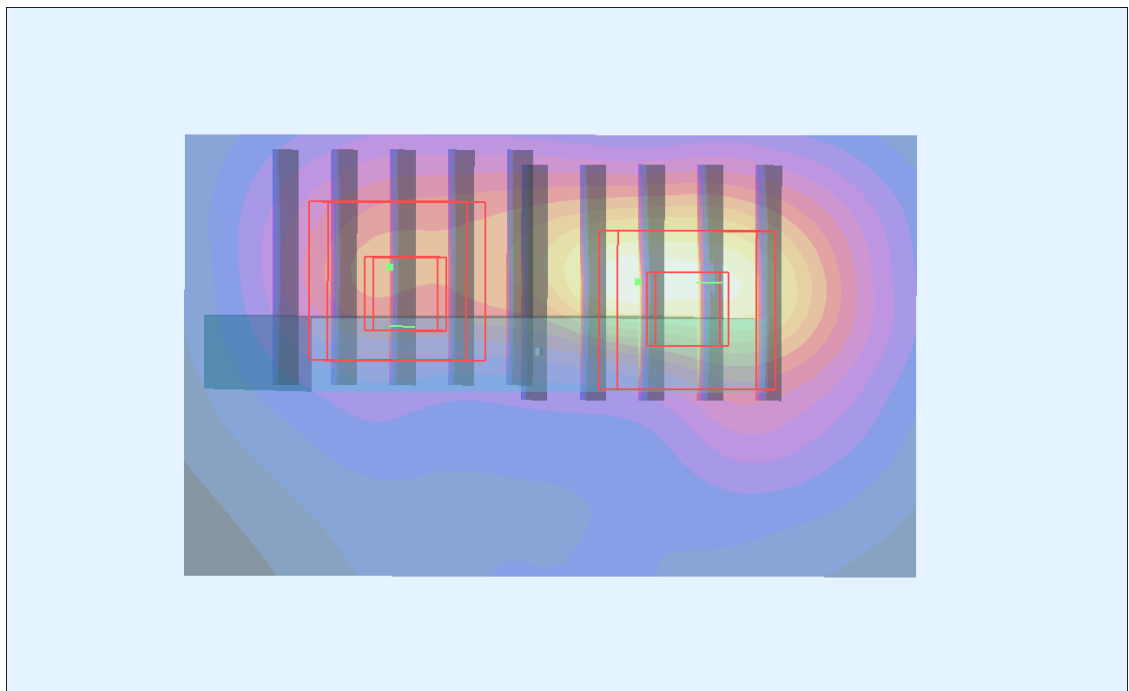
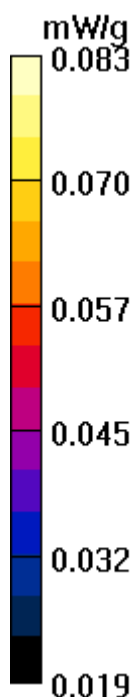
Ch1013/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.42 V/m; Power Drift = -0.018 dB

Peak SAR (extrapolated) = 0.082 W/kg

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.061 mW/g



P12 CDMA2000 BC0_RC3+SO32_Front Face_1cm_Ch384**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 837$ MHz; $\sigma = 0.982$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.34 mW/g

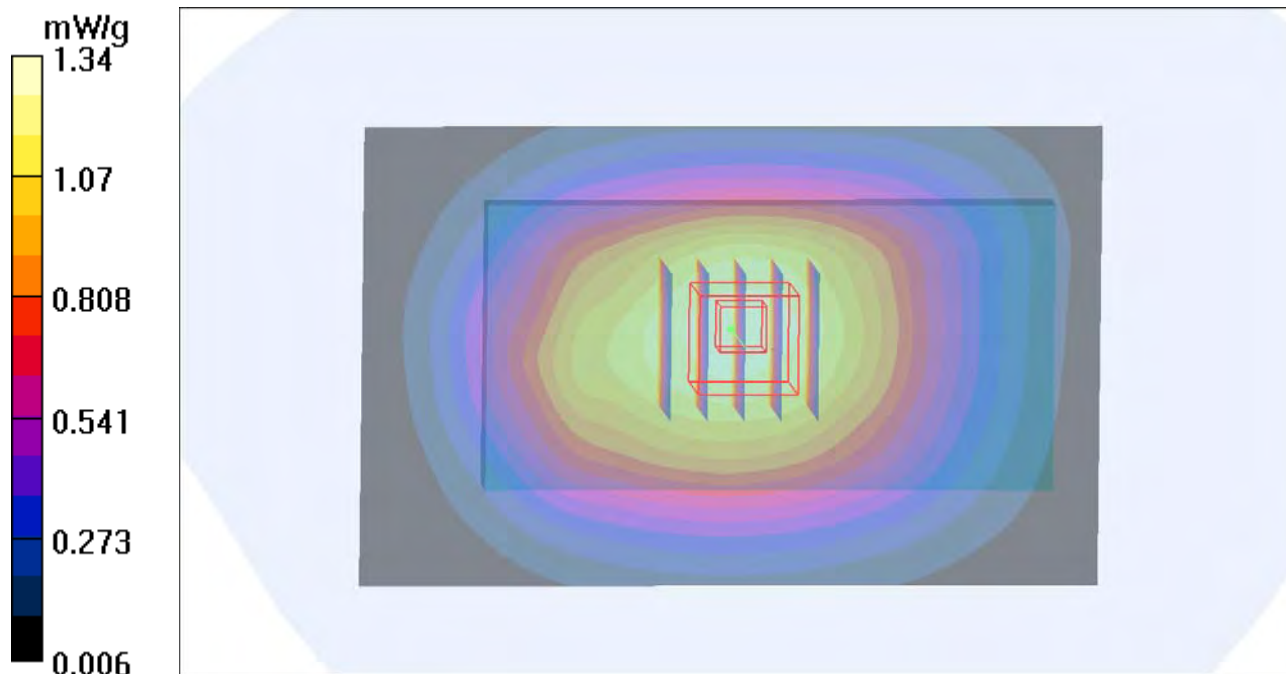
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 36.3 V/m; Power Drift = -0.086 dB

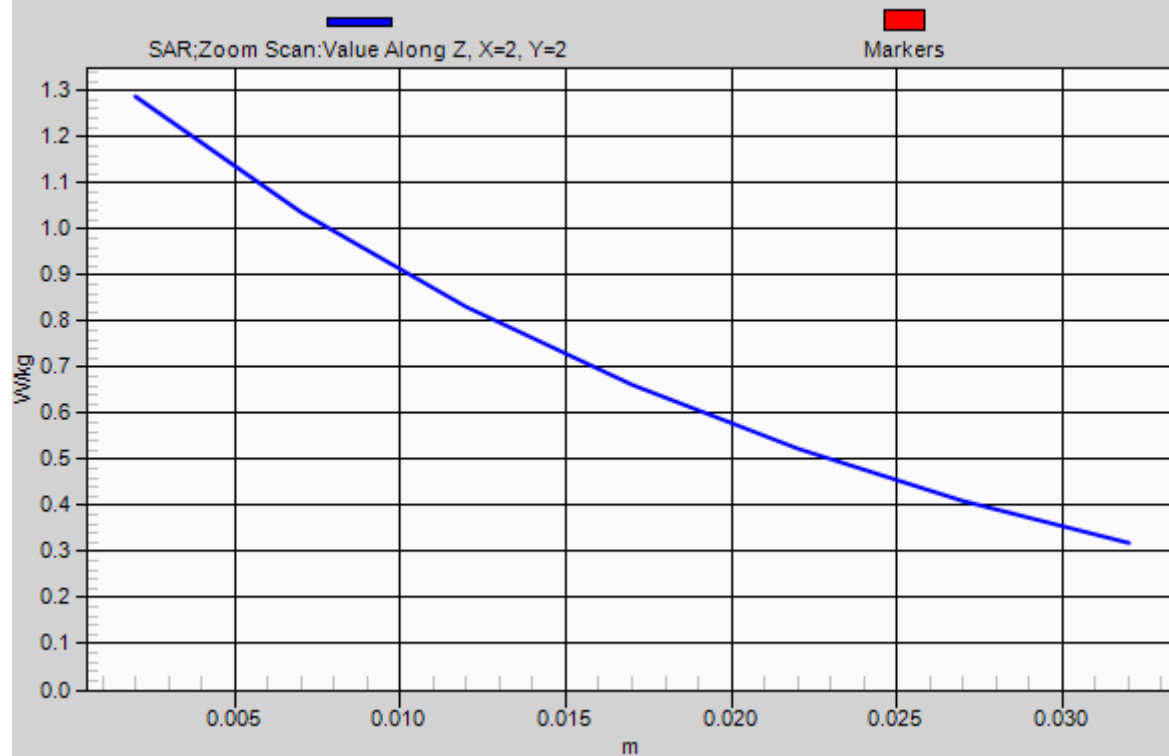
Peak SAR (extrapolated) = 1.42 W/kg

SAR(1 g) = 1.14 mW/g; SAR(10 g) = 0.878 mW/g

Maximum value of SAR (measured) = 1.29 mW/g



1g/10g Averaged SAR



P13 CDMA2000 BC0_RC3+SO32_Front Face_1cm_Ch777**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.27 mW/g

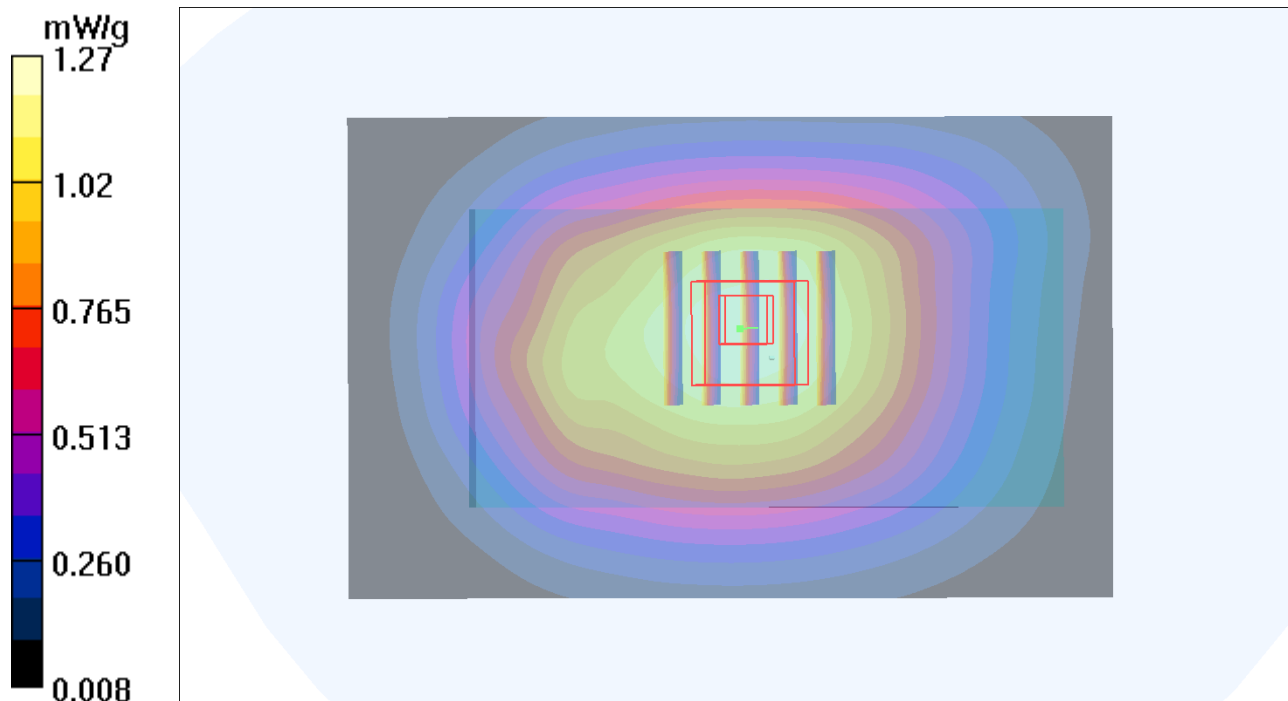
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.0 V/m; Power Drift = -0.021 dB

Peak SAR (extrapolated) = 1.37 W/kg

SAR(1 g) = 1.08 mW/g; SAR(10 g) = 0.833 mW/g

Maximum value of SAR (measured) = 1.23 mW/g



P14 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch384**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 837$ MHz; $\sigma = 0.982$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.20 mW/g

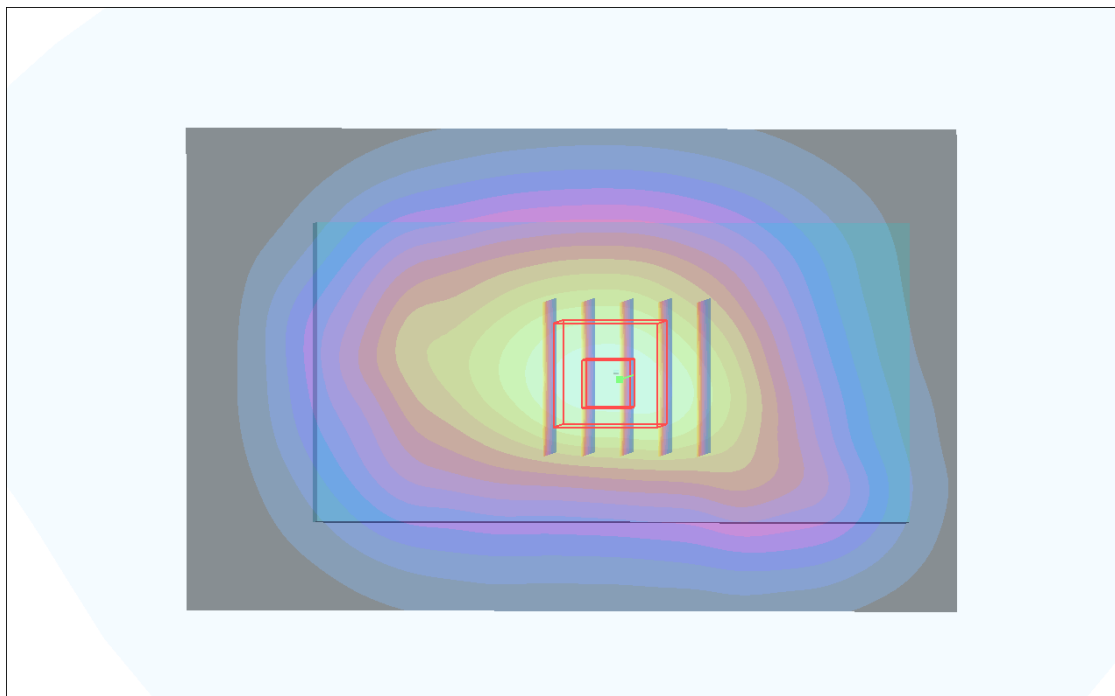
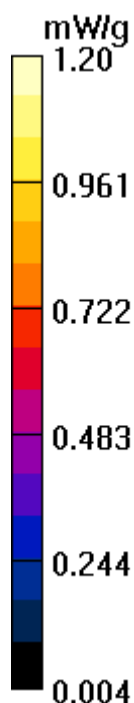
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.5 V/m; Power Drift = 0.040 dB

Peak SAR (extrapolated) = 1.27 W/kg

SAR(1 g) = 0.999 mW/g; SAR(10 g) = 0.750 mW/g

Maximum value of SAR (measured) = 1.14 mW/g



P15 CDMA2000 BC0_RC3+SO32_Rear Face_1cm_Ch777**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.11 mW/g

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

Reference Value = 33.3 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.919 mW/g; SAR(10 g) = 0.690 mW/g

Maximum value of SAR (measured) = 1.05 mW/g

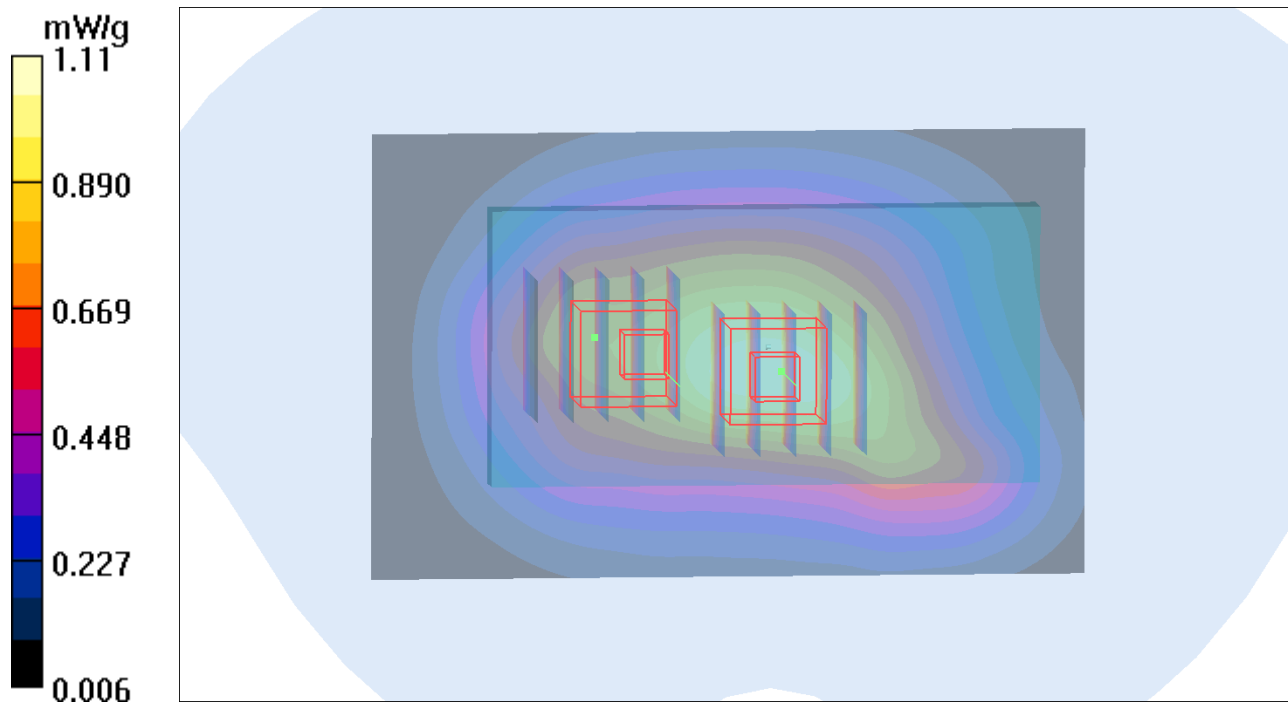
Ch777/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.3 V/m; Power Drift = -0.083 dB

Peak SAR (extrapolated) = 0.969 W/kg

SAR(1 g) = 0.695 mW/g; SAR(10 g) = 0.480 mW/g

Maximum value of SAR (measured) = 0.872 mW/g



P16 CDMA2000 BC0_RC3+SO32_Right Side_1cm_Ch384**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 837$ MHz; $\sigma = 0.982$ mho/m; $\epsilon_r = 55.8$; $\rho = 1000$

kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch384/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.04 mW/g

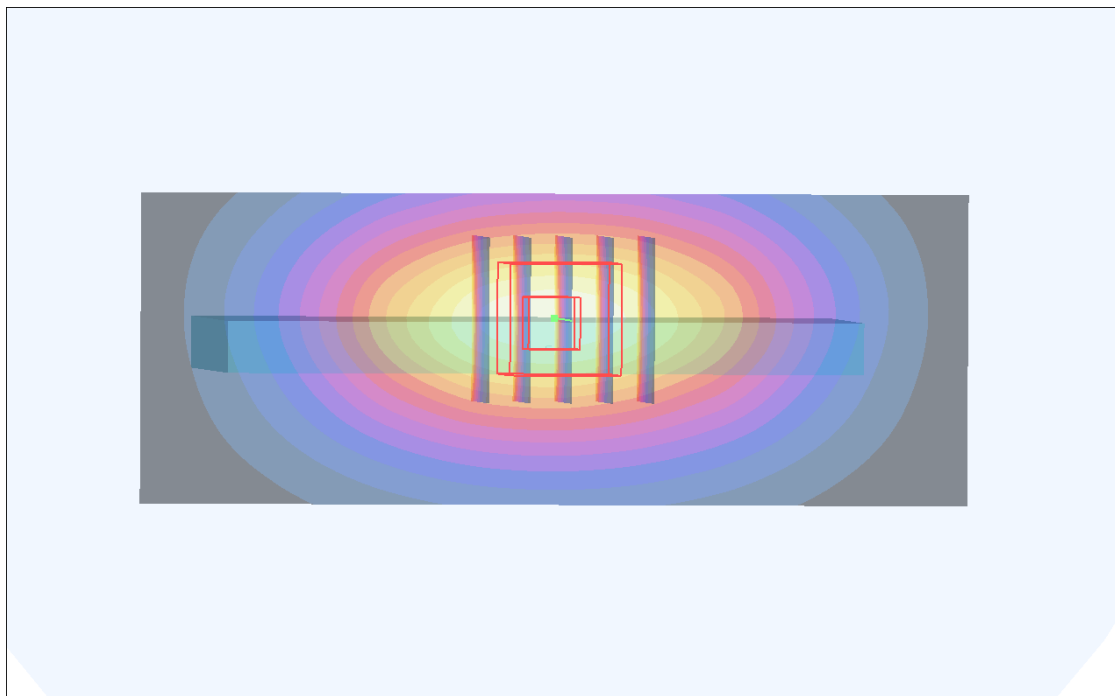
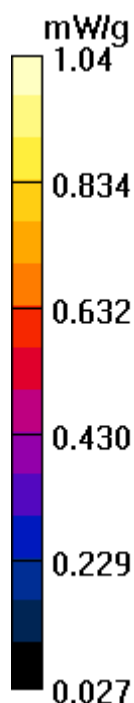
Ch384/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.3 V/m; Power Drift = 0.031 dB

Peak SAR (extrapolated) = 1.19 W/kg

SAR(1 g) = 0.849 mW/g; SAR(10 g) = 0.591 mW/g

Maximum value of SAR (measured) = 1.03 mW/g



P17 CDMA2000 BC0_RC3+SO32_Right Side_1cm_Ch777**DUT: 120822C31**

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

Medium: B835_0921 Medium parameters used: $f = 848.31$ MHz; $\sigma = 0.993$ mho/m; $\epsilon_r = 55.7$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch777/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.960 mW/g

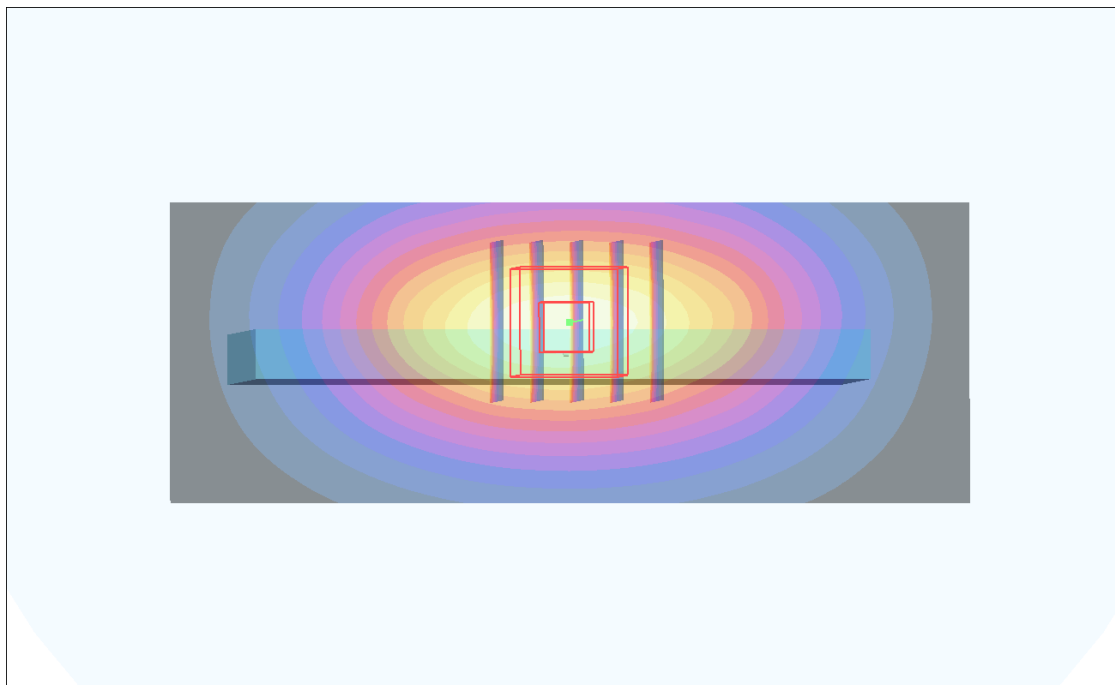
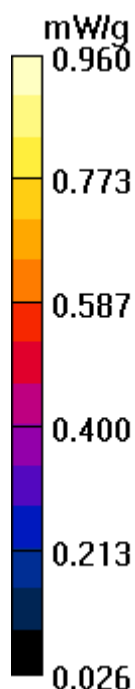
Ch777/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.2 V/m; Power Drift = 0.011 dB

Peak SAR (extrapolated) = 1.12 W/kg

SAR(1 g) = 0.793 mW/g; SAR(10 g) = 0.550 mW/g

Maximum value of SAR (measured) = 0.971 mW/g



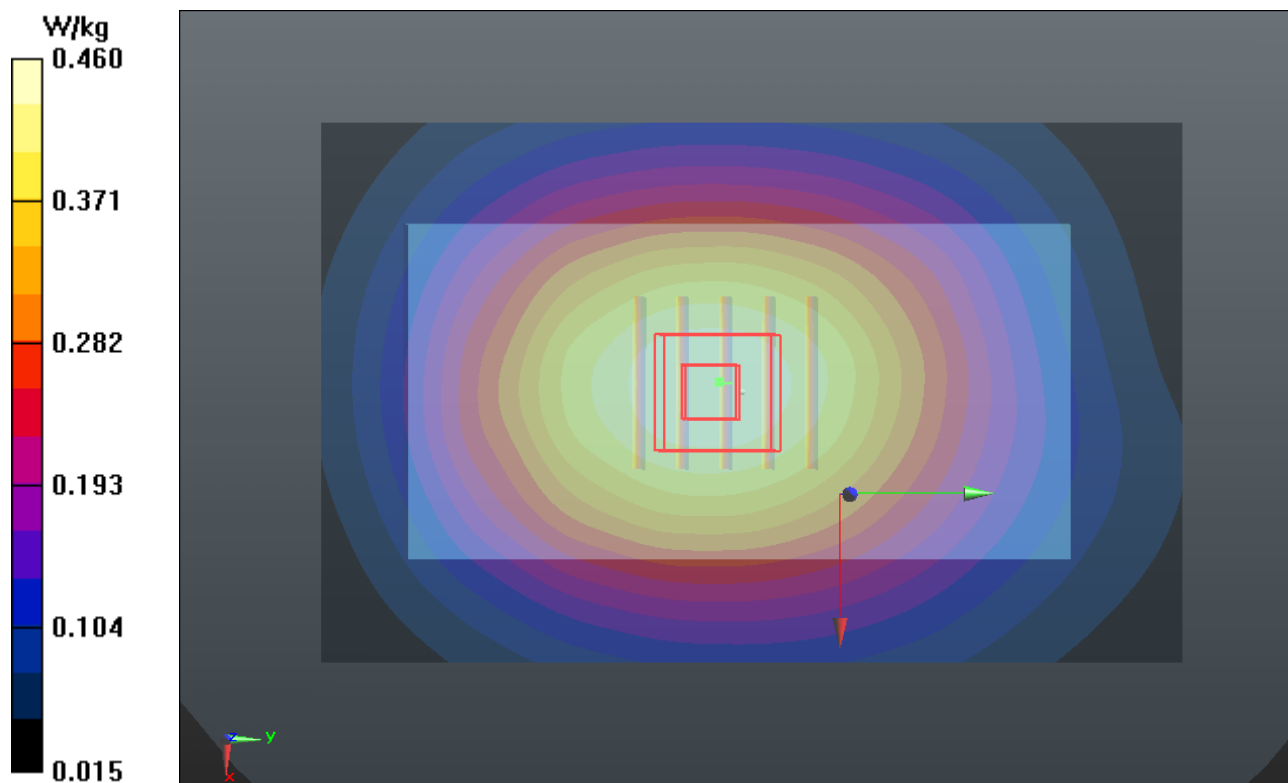
P01 CDMA2000 BC0_RC3+SO32_Front Face_2.5cm_Ch1013_Earphone**DUT: 120822C31**

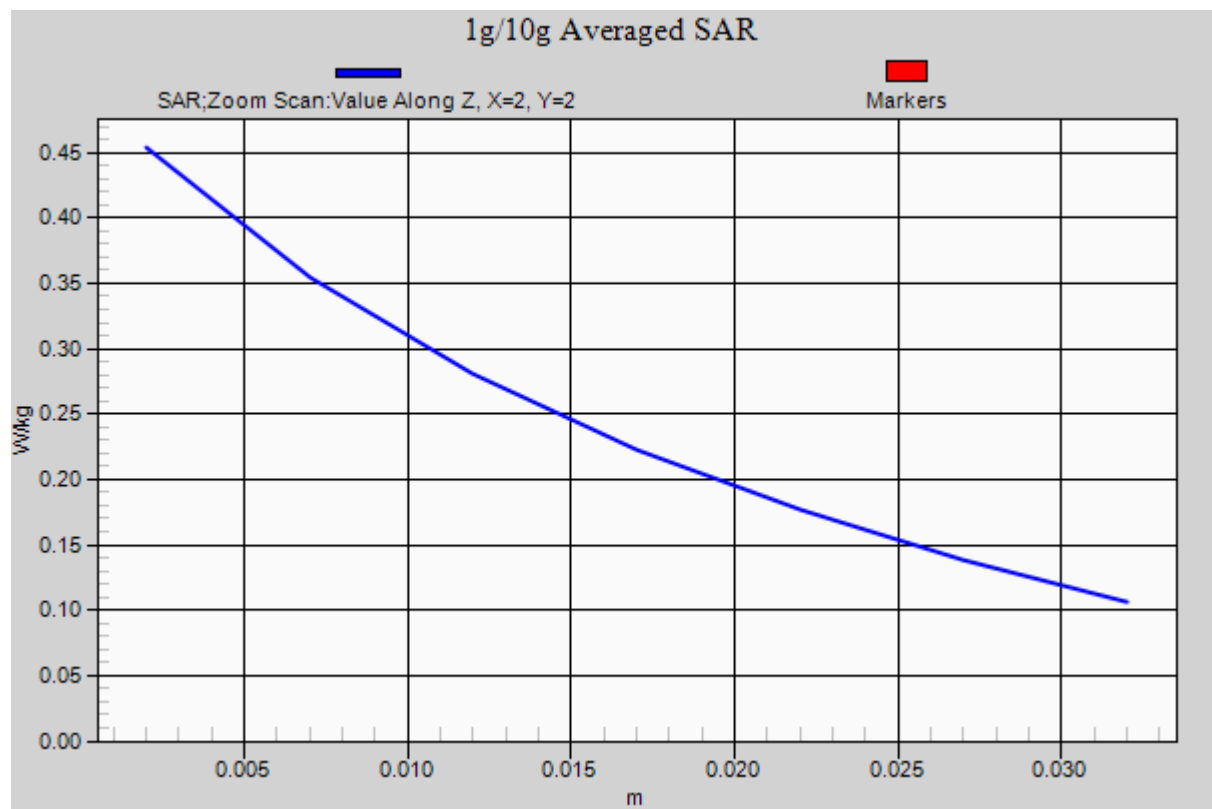
Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: B835_0901 Medium parameters used: $f = 825$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 55.299$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.7°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.460 W/kg **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 22.103 V/m ; Power Drift = -0.11 dB Peak SAR (extrapolated) = 0.501 mW/g **SAR(1 g) = 0.395 mW/g ; SAR(10 g) = 0.302 mW/g** Maximum value of SAR (measured) = 0.454 W/kg 



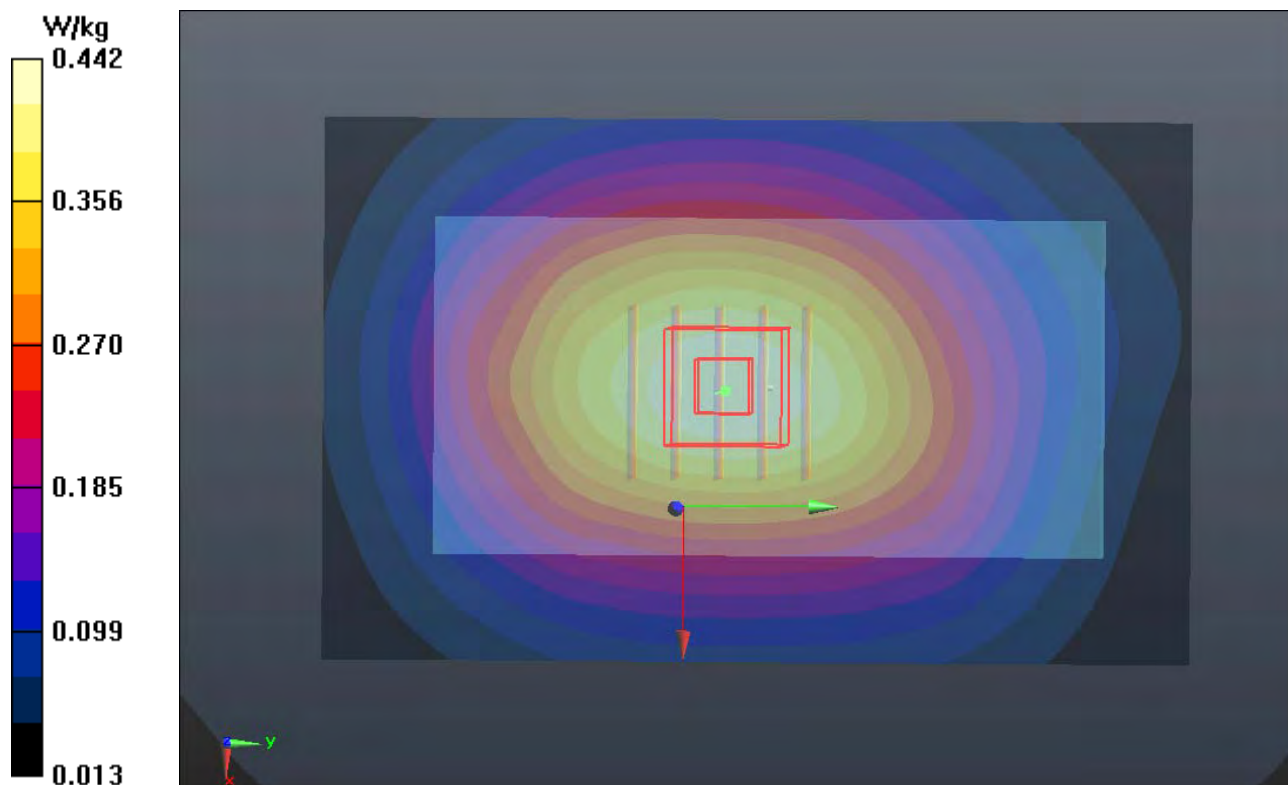
P02 CDMA2000 BC0_RC3+SO32_Rear Face_2.5cm_Ch1013_Earphone**DUT: 120822C31**

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

Medium: B835_0901 Medium parameters used: $f = 825$ MHz; $\sigma = 0.963$ mho/m; $\epsilon_r = 55.299$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 22.7°C ; Liquid Temperature : 21.5°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.442 W/kg **Ch1013/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 21.707 V/m ; Power Drift = -0.02 dB Peak SAR (extrapolated) = 0.489 mW/g **SAR(1 g) = 0.381 mW/g ; SAR(10 g) = 0.289 mW/g** Maximum value of SAR (measured) = 0.443 W/kg 

P34 CDMA2000 BC1_RC3+SO32_Front Face_1cm_Ch25**DUT: 120822C31**

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

Medium: B1900_0924 Medium parameters used: $f = 1851.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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 (51x91x1): Measurement grid: dx=20mm, dy=20mm

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

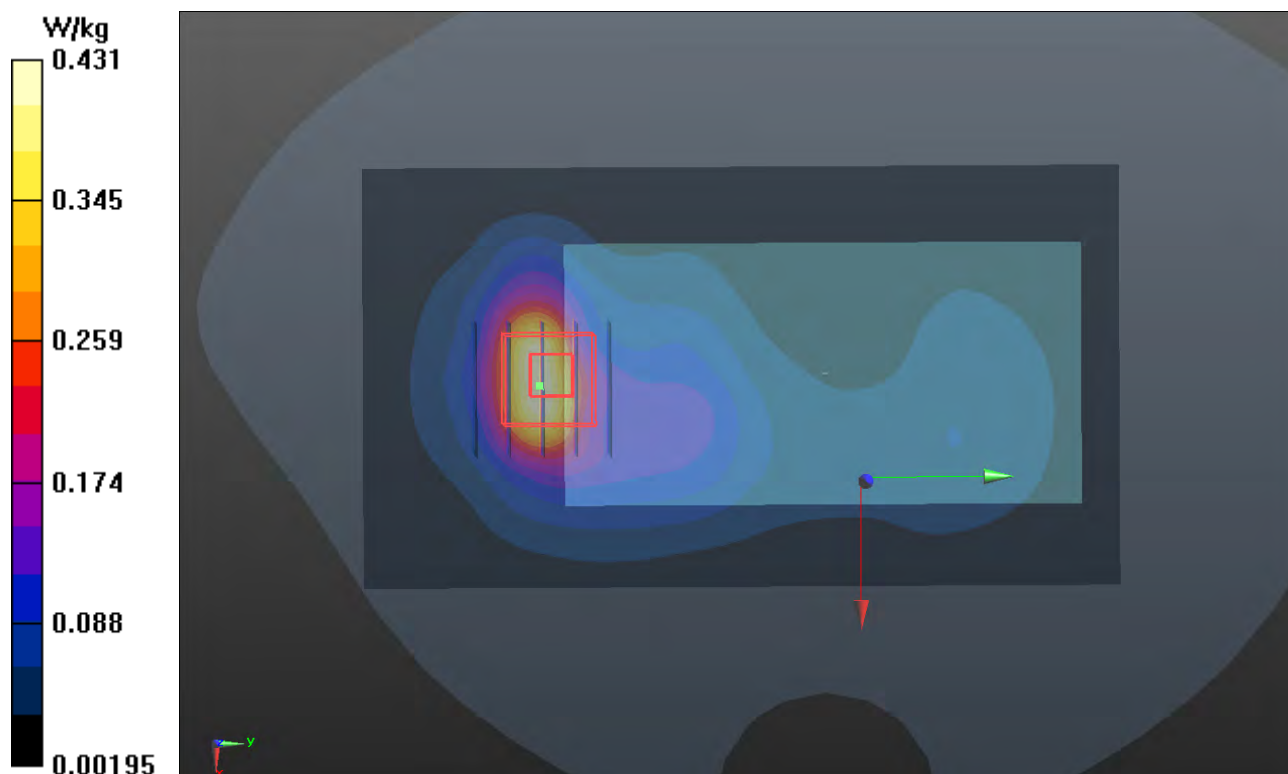
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.265 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.744 mW/g

SAR(1 g) = 0.428 mW/g; SAR(10 g) = 0.223 mW/g

Maximum value of SAR (measured) = 0.519 W/kg



P35 CDMA2000 BC1_RC3+SO32_Rear Face_1cm_Ch25**DUT: 120822C31**

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

Medium: B1900_0924 Medium parameters used: $f = 1851.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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 (51x91x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.611 W/kg

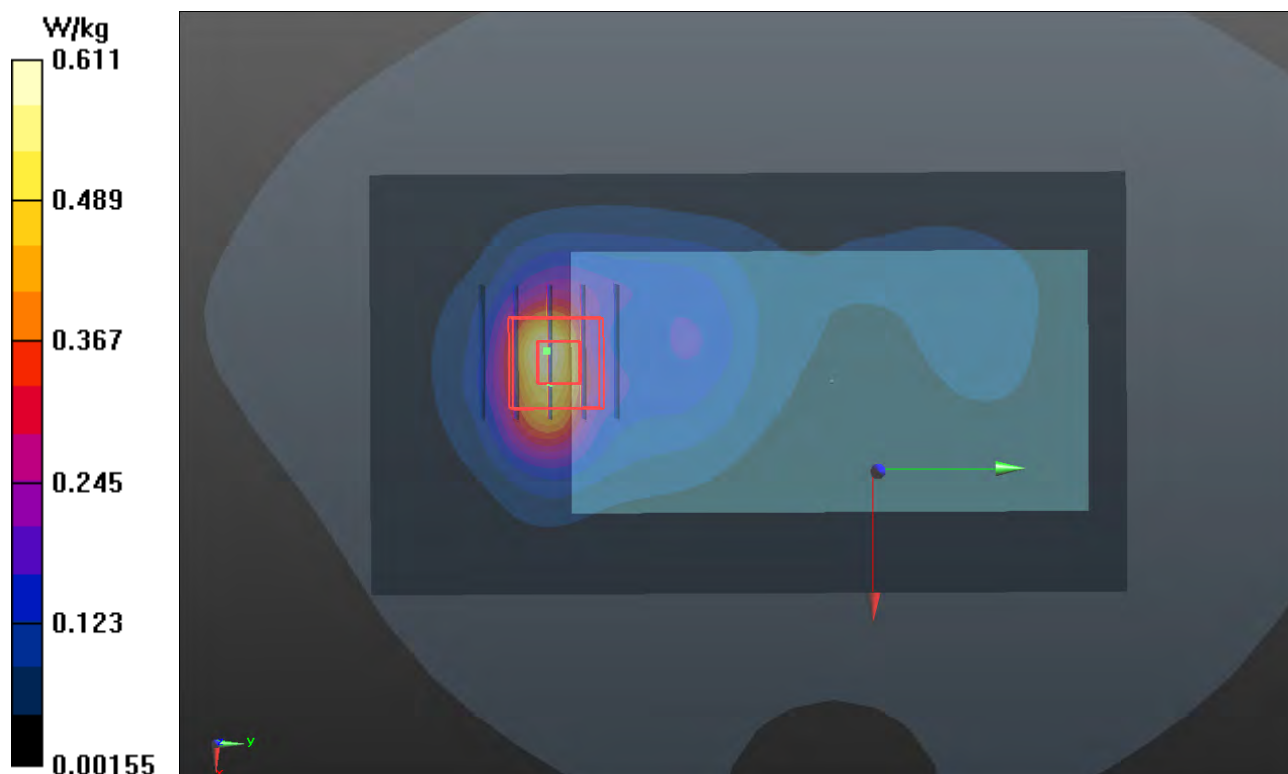
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.699 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.904 mW/g

SAR(1 g) = 0.525 mW/g; SAR(10 g) = 0.275 mW/g

Maximum value of SAR (measured) = 0.641 W/kg



P20 CDMA2000 BC1_RC3+SO32_Left Side_1cm_Ch25**DUT: 120822C31**

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

Medium: B1900_0924 Medium parameters used: $f = 1851.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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 (41x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0210 W/kg

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

Reference Value = 2.629 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.028 mW/g

SAR(1 g) = 0.017 mW/g; SAR(10 g) = 0.011 mW/g

Maximum value of SAR (measured) = 0.0226 W/kg

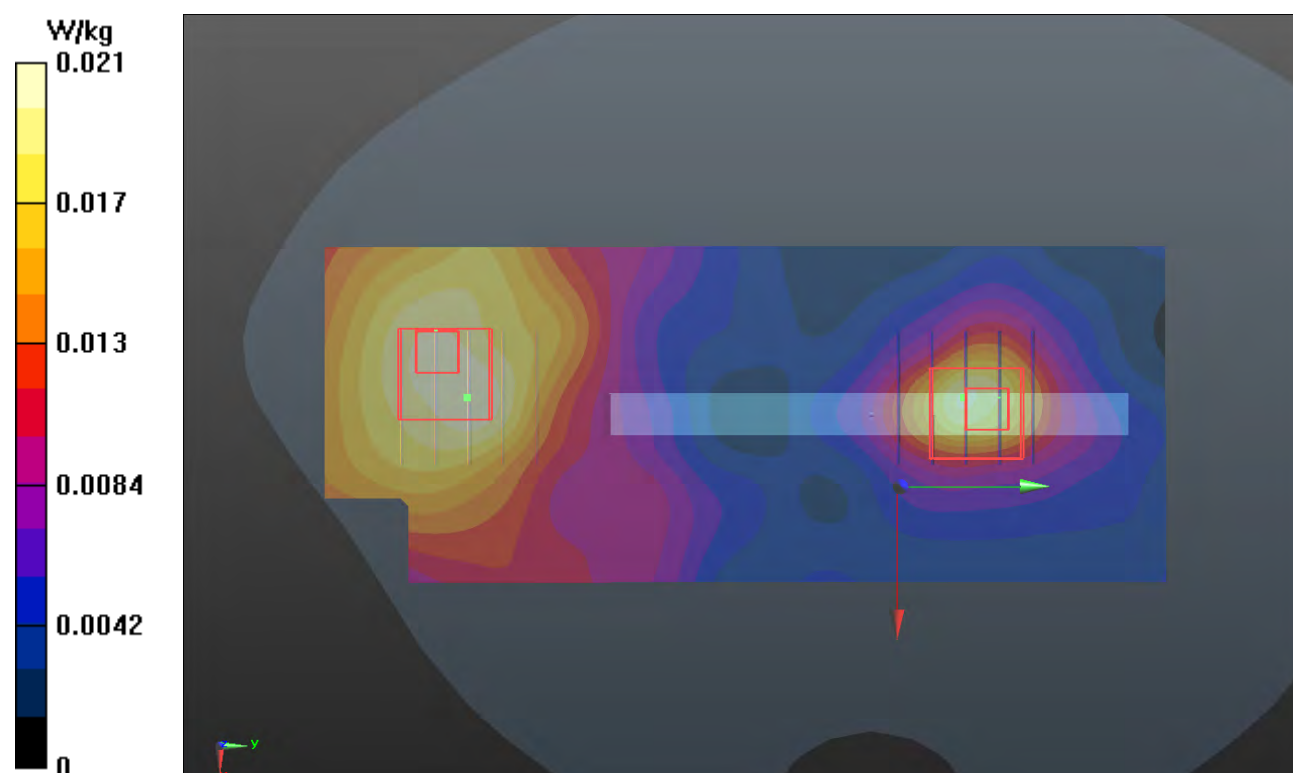
Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.629 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.025 mW/g

SAR(1 g) = 0.015 mW/g; SAR(10 g) = 0.0085 mW/g

Maximum value of SAR (measured) = 0.0202 W/kg



P21 CDMA2000 BC1_RC3+SO32_Right Side_1cm_Ch25**DUT: 120822C31**

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

Medium: B1900_0924 Medium parameters used: $f = 1851.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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 (41x101x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.122 W/kg

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

Reference Value = 6.984 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.159 mW/g

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.055 mW/g

Maximum value of SAR (measured) = 0.127 W/kg

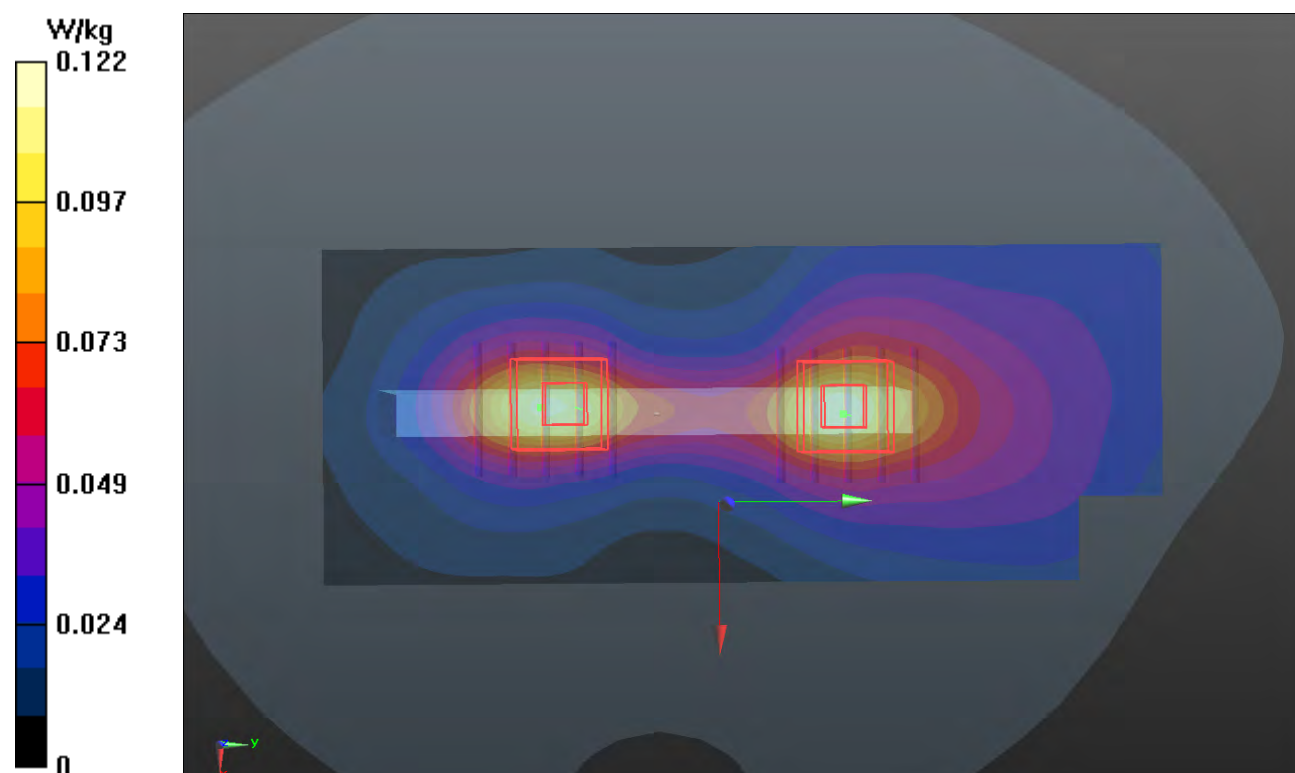
Ch25/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.984 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.142 mW/g

SAR(1 g) = 0.087 mW/g; SAR(10 g) = 0.051 mW/g

Maximum value of SAR (measured) = 0.116 W/kg



P22 CDMA2000 BC1_RC3+SO32_Bottom Side_1cm_Ch25**DUT: 120822C31**

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

Medium: B1900_0924 Medium parameters used: $f = 1851.4$ MHz; $\sigma = 1.48$ mho/m; $\epsilon_r = 52.166$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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 (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.47 W/kg

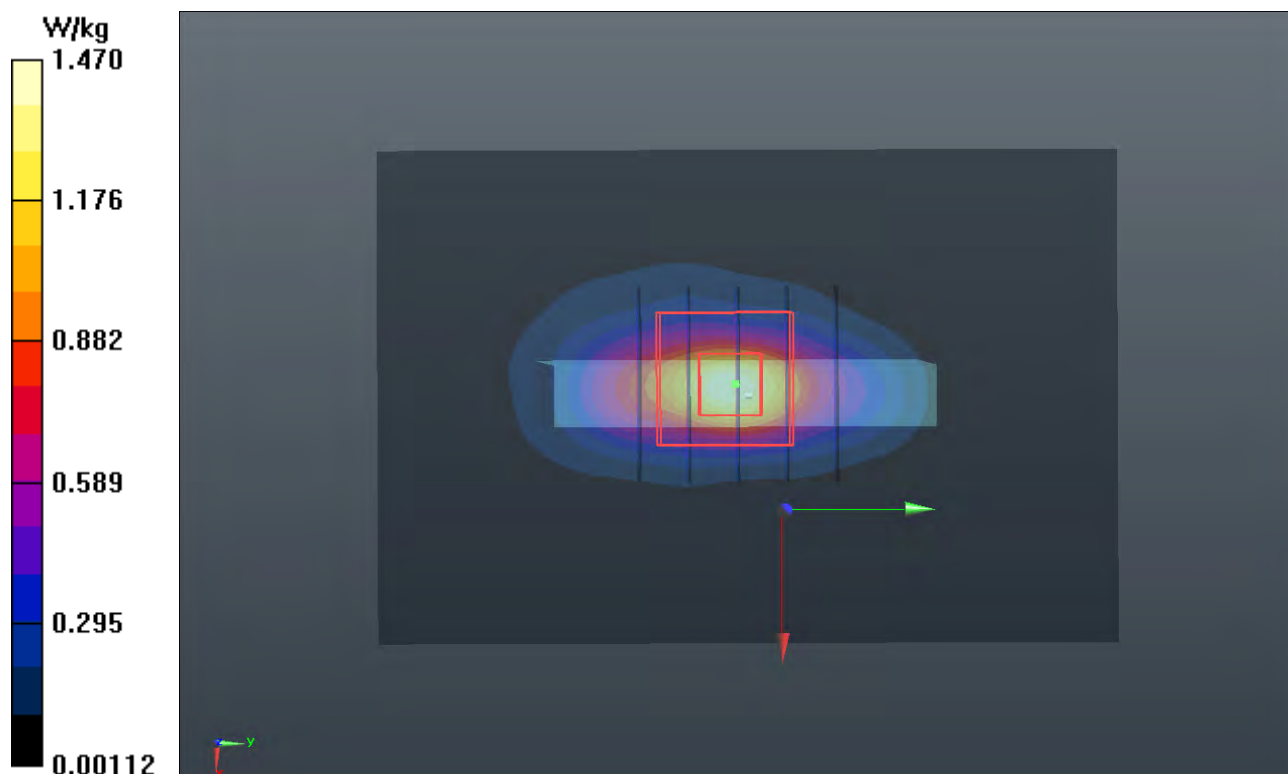
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.464 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.864 mW/g

SAR(1 g) = 1.04 mW/g; SAR(10 g) = 0.514 mW/g

Maximum value of SAR (measured) = 1.49 W/kg



P37 CDMA2000 BC1_RC3+SO32_Bottom Side_1cm_Ch600**DUT: 120822C31**

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

Medium: B1900_0924 Medium parameters used: $f = 1880.1$ MHz; $\sigma = 1.511$ mho/m; $\epsilon_r = 52.079$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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)

Ch600/Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.52 W/kg

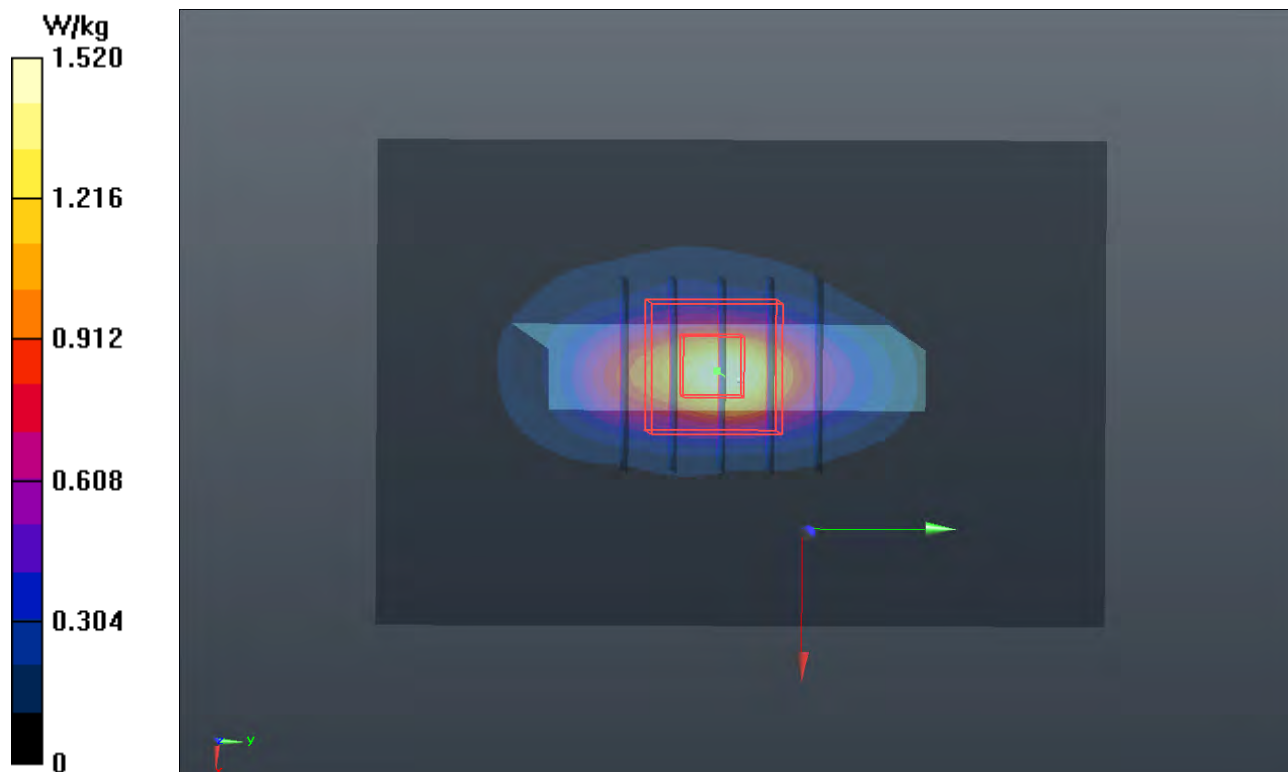
Ch600/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.379 V/m; Power Drift = 0.12 dB

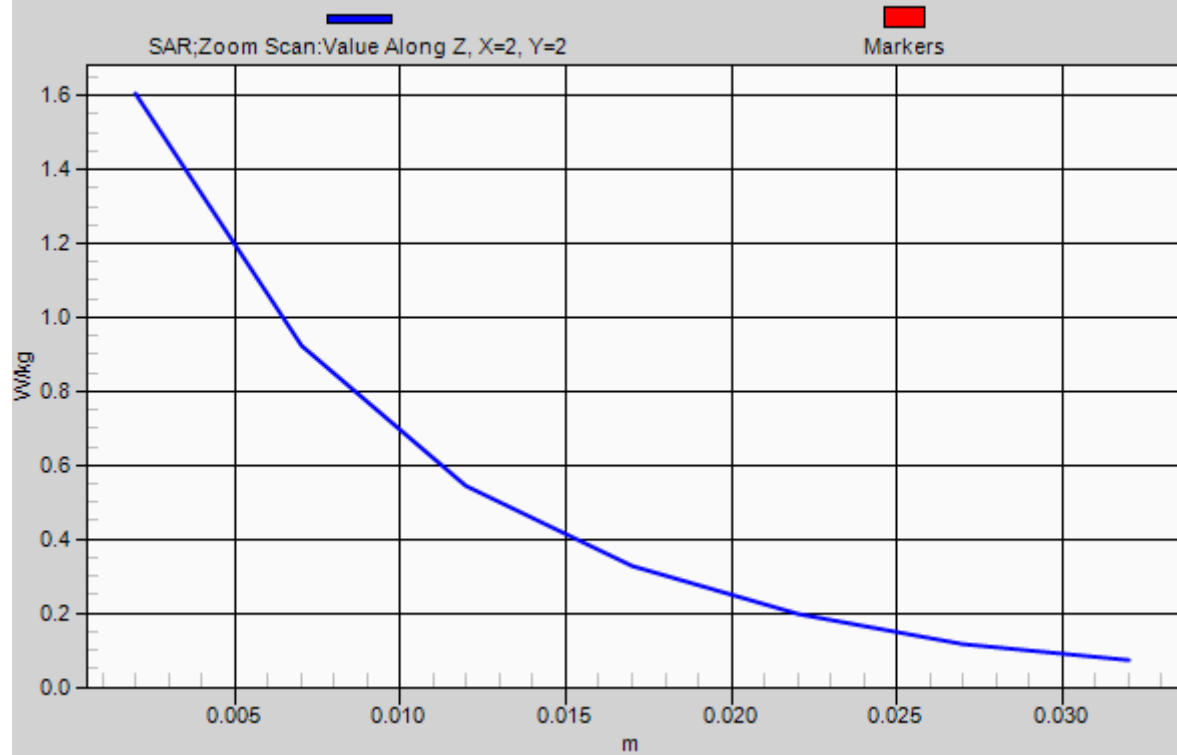
Peak SAR (extrapolated) = 2.013 mW/g

SAR(1 g) = 1.12 mW/g; SAR(10 g) = 0.551 mW/g

Maximum value of SAR (measured) = 1.60 W/kg



1g/10g Averaged SAR



P38 CDMA2000 BC1_RC3+SO32_Bottom Side_1cm_Ch1175**DUT: 120822C31**

Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1

Medium: B1900_0924 Medium parameters used: $f = 1908.8$ MHz; $\sigma = 1.546$ mho/m; $\epsilon_r = 51.994$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); 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)

Ch1175/Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.43 W/kg

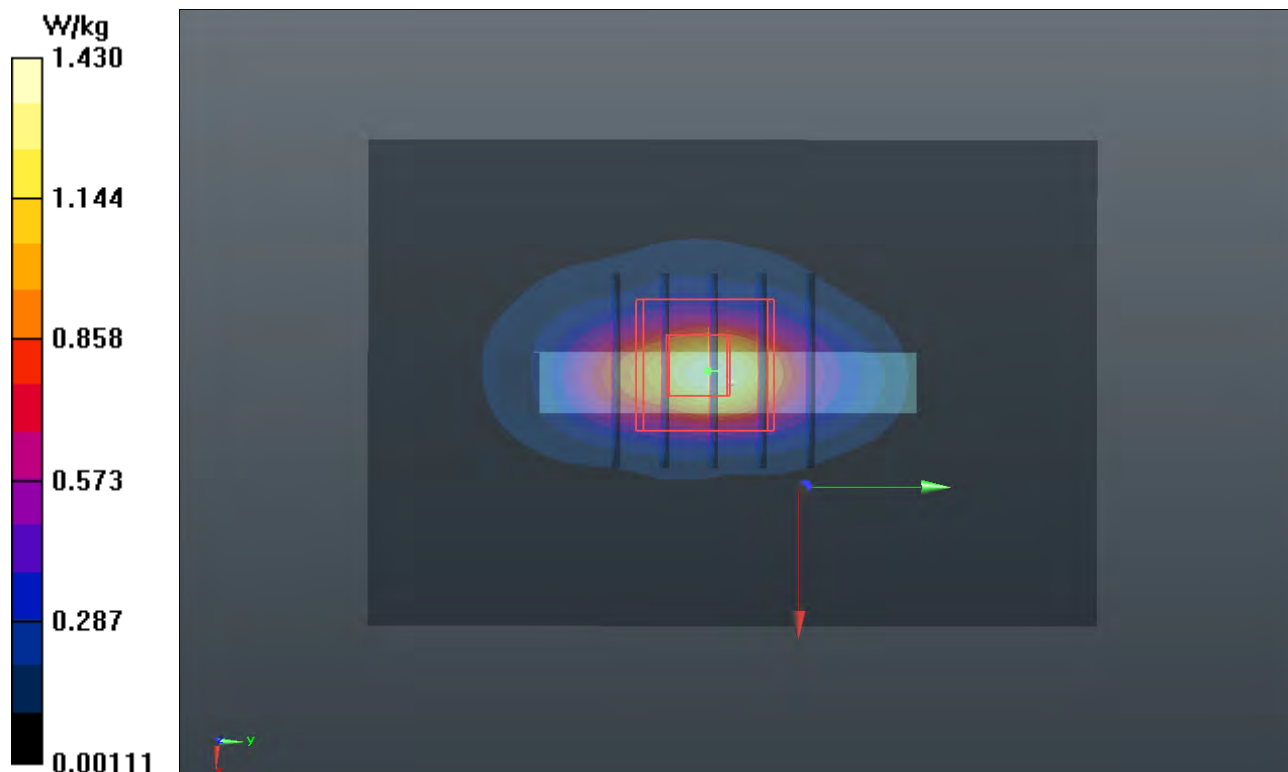
Ch1175/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 30.631 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.985 mW/g

SAR(1 g) = 1.1 mW/g; SAR(10 g) = 0.535 mW/g

Maximum value of SAR (measured) = 1.56 W/kg



P03 CDMA2000 BC1_RC3+SO32_Front Face_2.5cm_Ch25_Earphone**DUT: 120822C31**

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

Medium: B1900_0901 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.089$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- 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) = 0.0985 W/kg

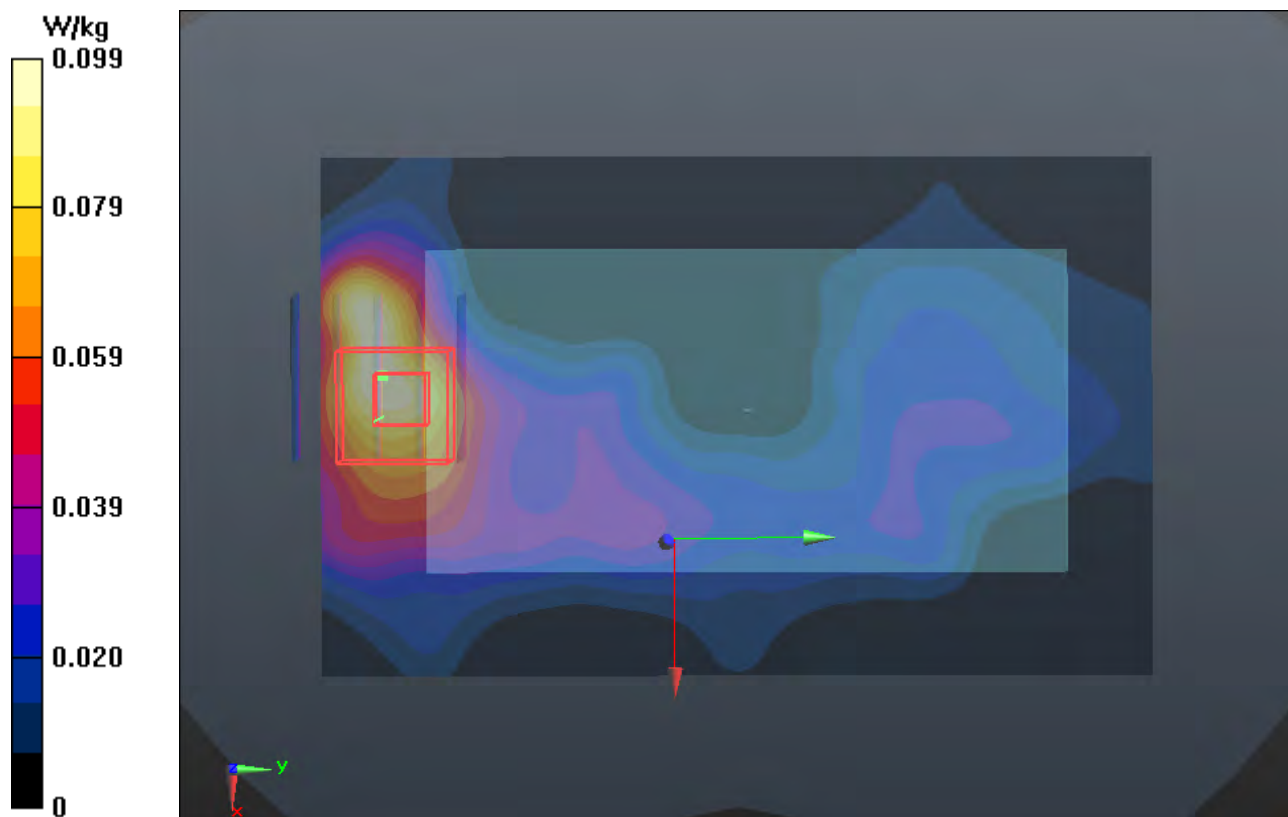
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.172 V/m; Power Drift = -0.07 dB

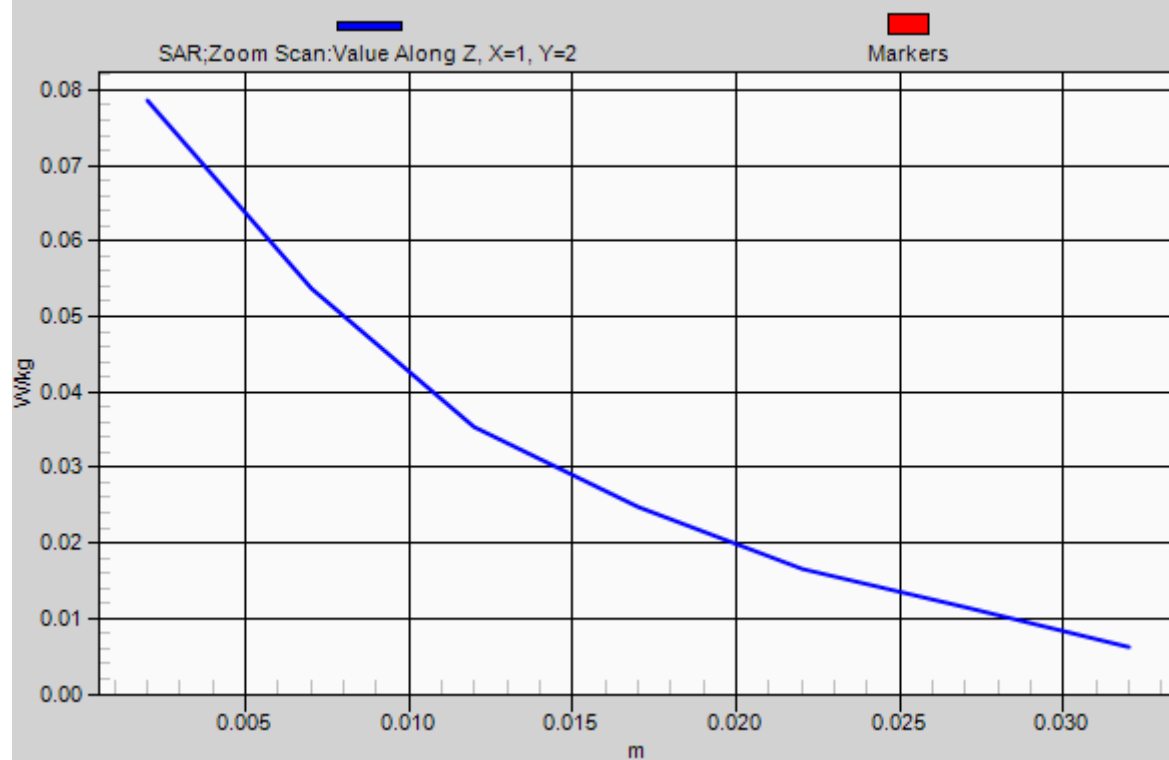
Peak SAR (extrapolated) = 0.097 mW/g

SAR(1 g) = 0.065 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.0786 W/kg



1g/10g Averaged SAR



P04 CDMA2000 BC1_RC3+SO32_Rear Face_2.5cm_Ch25_Earphone**DUT: 120822C31**

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

Medium: B1900_0901 Medium parameters used: $f = 1851.25$ MHz; $\sigma = 1.484$ mho/m; $\epsilon_r = 53.089$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.46, 7.46, 7.46); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- 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) = 0.118 W/kg

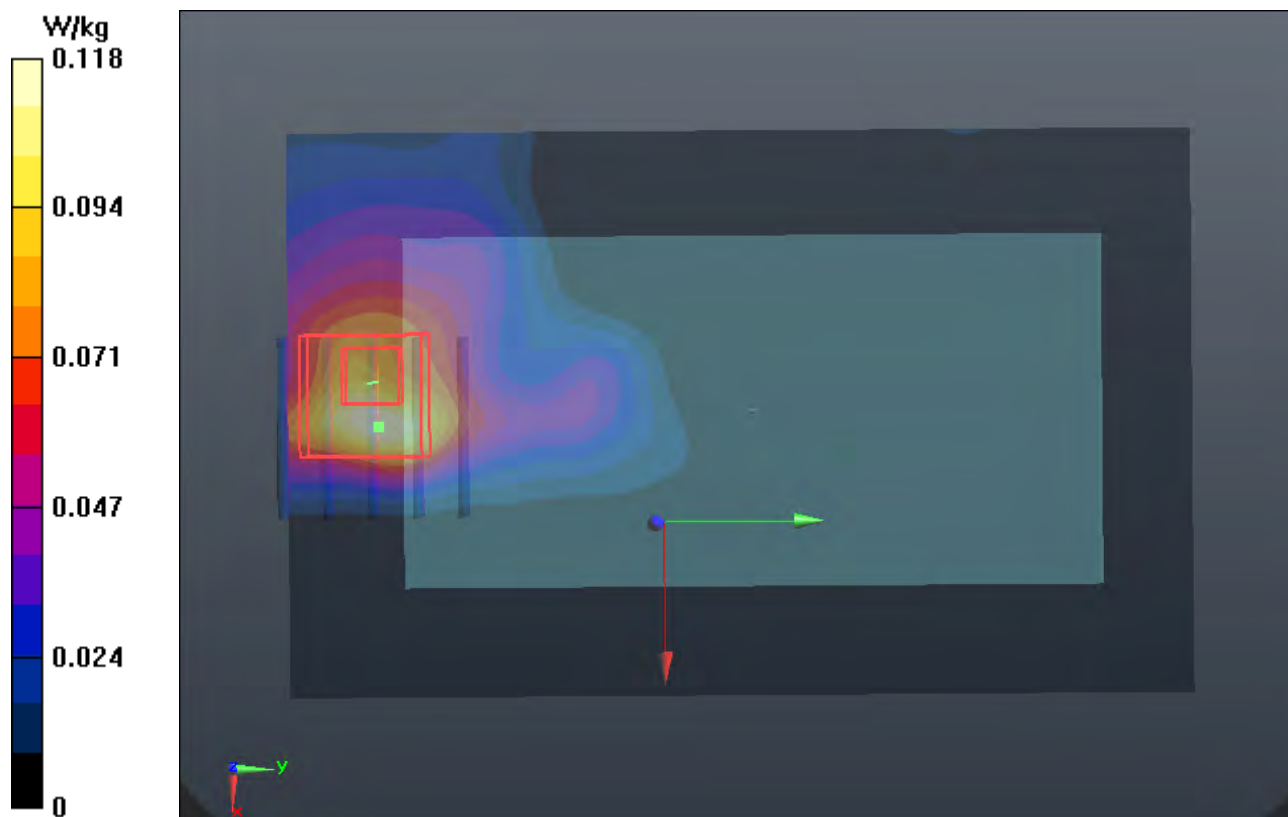
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.320 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.096 mW/g

SAR(1 g) = 0.064 mW/g; SAR(10 g) = 0.041 mW/g

Maximum value of SAR (measured) = 0.0810 W/kg



P23 CDMA2000 BC15_RC3+SO32_Front Face_1cm_Ch875**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 53.672$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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 (51x91x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.601 W/kg

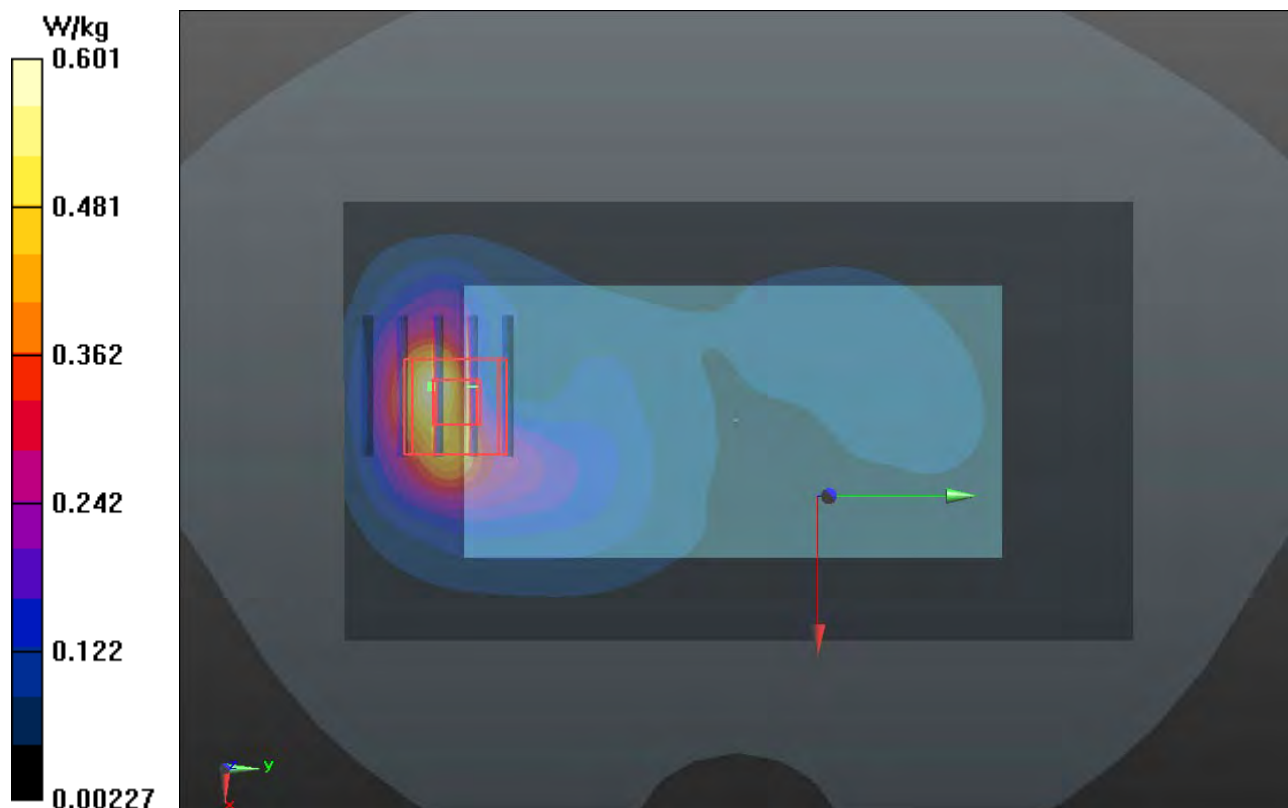
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.011 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.990 mW/g

SAR(1 g) = 0.581 mW/g; SAR(10 g) = 0.307 mW/g

Maximum value of SAR (measured) = 0.765 W/kg



P36 CDMA2000 BC15_RC3+SO32_Rear Face_1cm_Ch875**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 53.672$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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 (51x91x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.717 W/kg

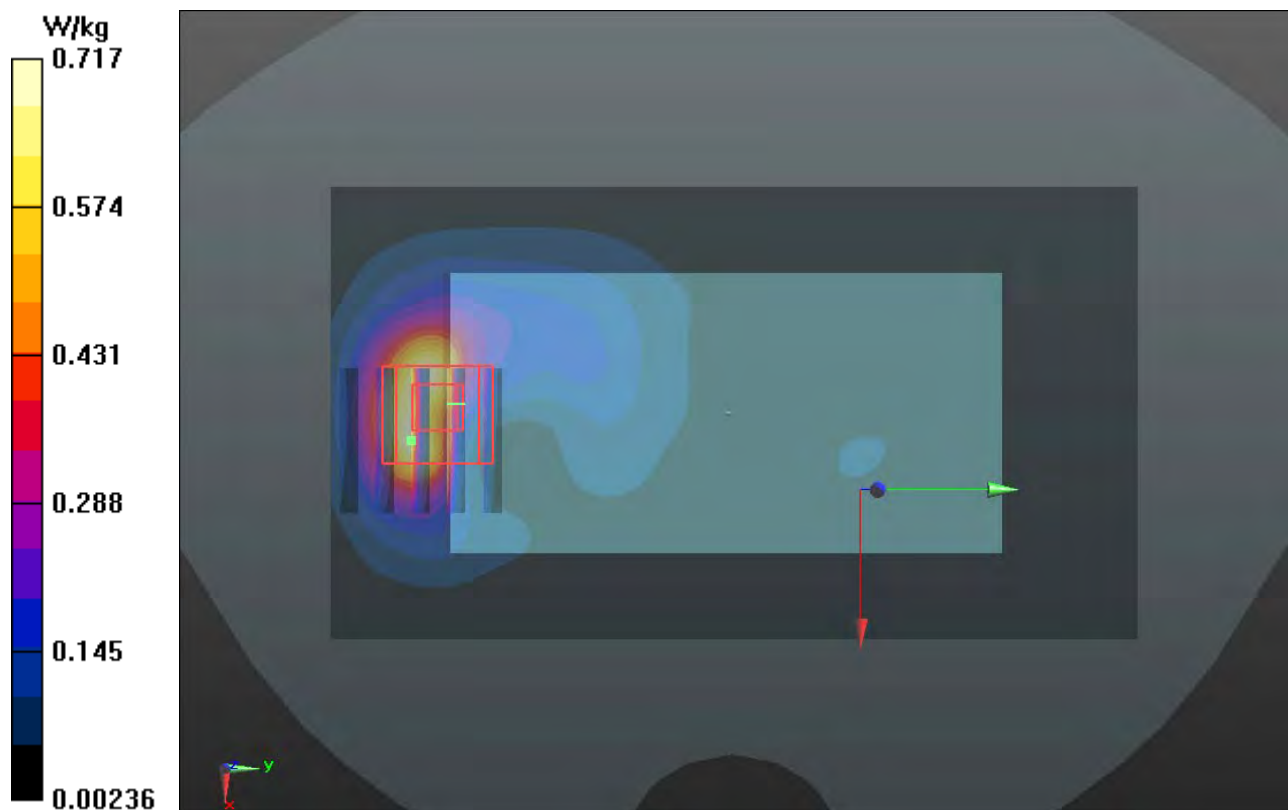
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.725 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 1.207 mW/g

SAR(1 g) = 0.688 mW/g; SAR(10 g) = 0.357 mW/g

Maximum value of SAR (measured) = 0.946 W/kg



P25 CDMA2000 BC15_RC3+SO32_Left Side_1cm_Ch875**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 53.672$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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 (41x91x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.122 W/kg

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

Reference Value = 7.097 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.134 mW/g

SAR(1 g) = 0.086 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.111 W/kg

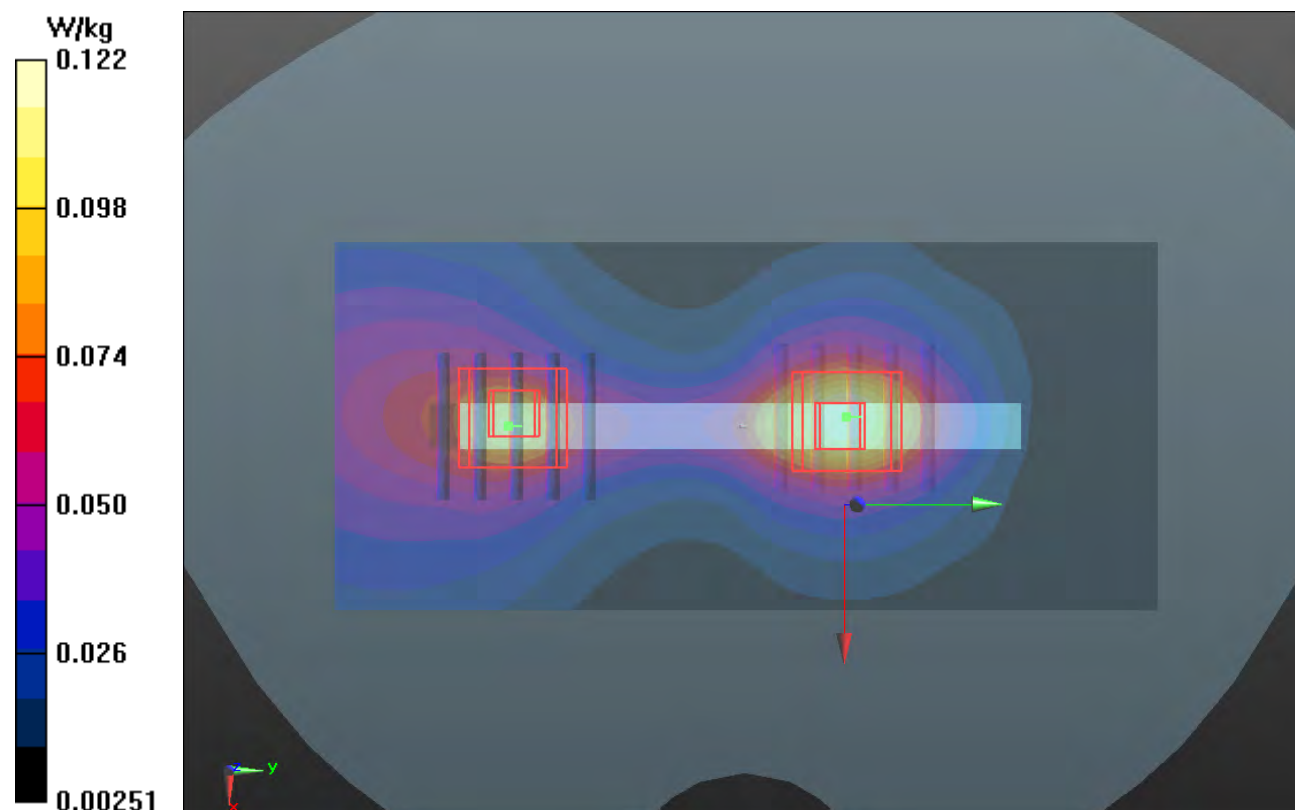
Ch875/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.097 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.120 mW/g

SAR(1 g) = 0.074 mW/g; SAR(10 g) = 0.043 mW/g

Maximum value of SAR (measured) = 0.0966 W/kg



P26 CDMA2000 BC15_RC3+SO32_Right Side_1cm_Ch875**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 53.672$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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 (41x91x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0623 W/kg

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

Reference Value = 6.386 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.073 mW/g

SAR(1 g) = 0.047 mW/g; SAR(10 g) = 0.029 mW/g

Maximum value of SAR (measured) = 0.0610 W/kg

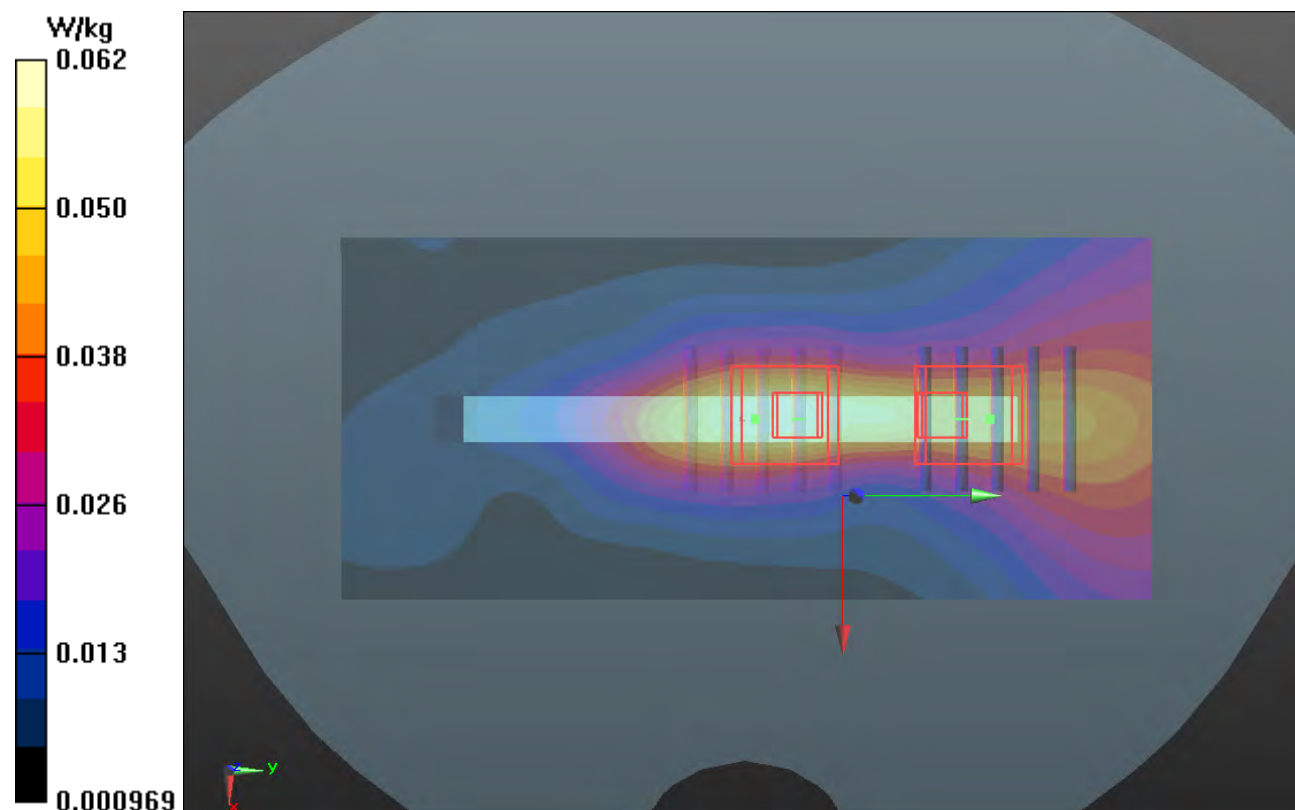
Ch875/Zoom Scan (5x5x7)/Cube 1: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.386 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.070 mW/g

SAR(1 g) = 0.042 mW/g; SAR(10 g) = 0.025 mW/g

Maximum value of SAR (measured) = 0.0577 W/kg



P27 CDMA2000 BC15_RC3+SO32_Bottom Side_1cm_Ch875**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.474$ mho/m; $\epsilon_r = 53.672$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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 (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.69 W/kg

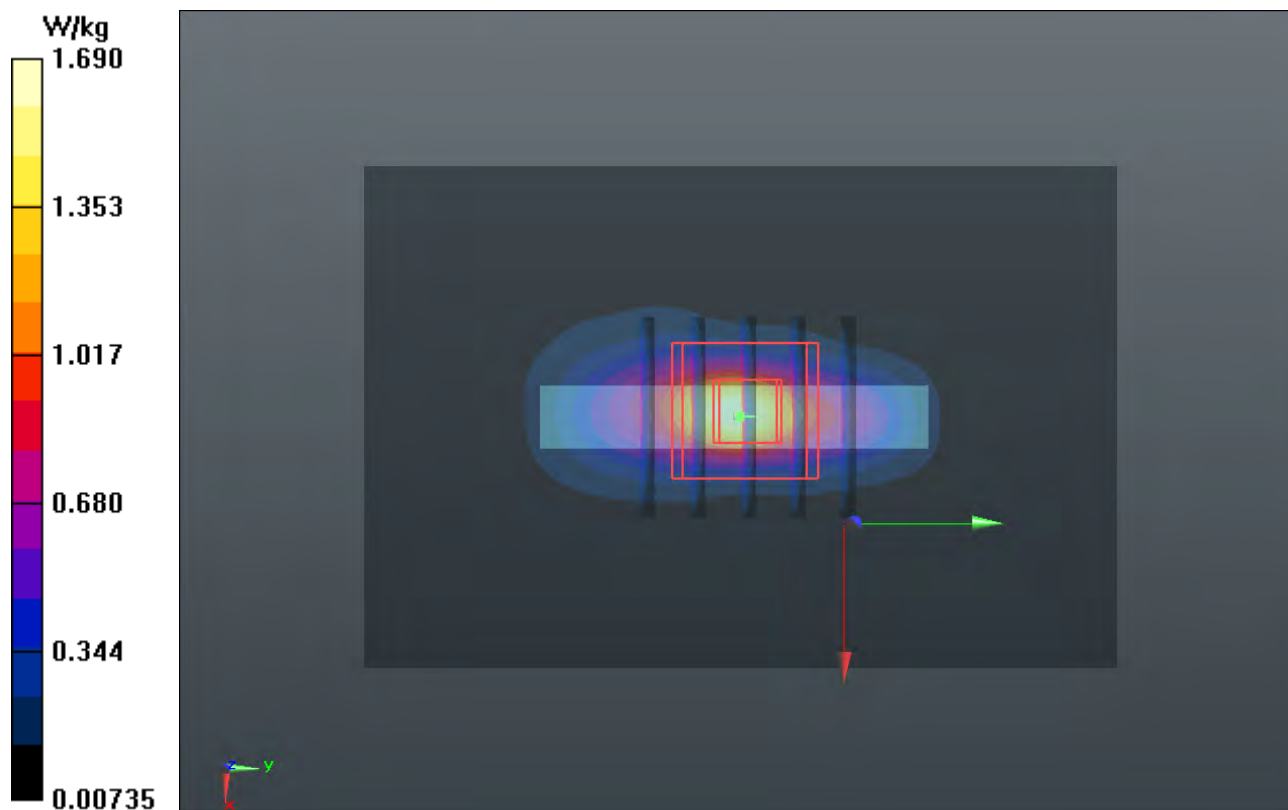
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.732 V/m; Power Drift = 0.06 dB

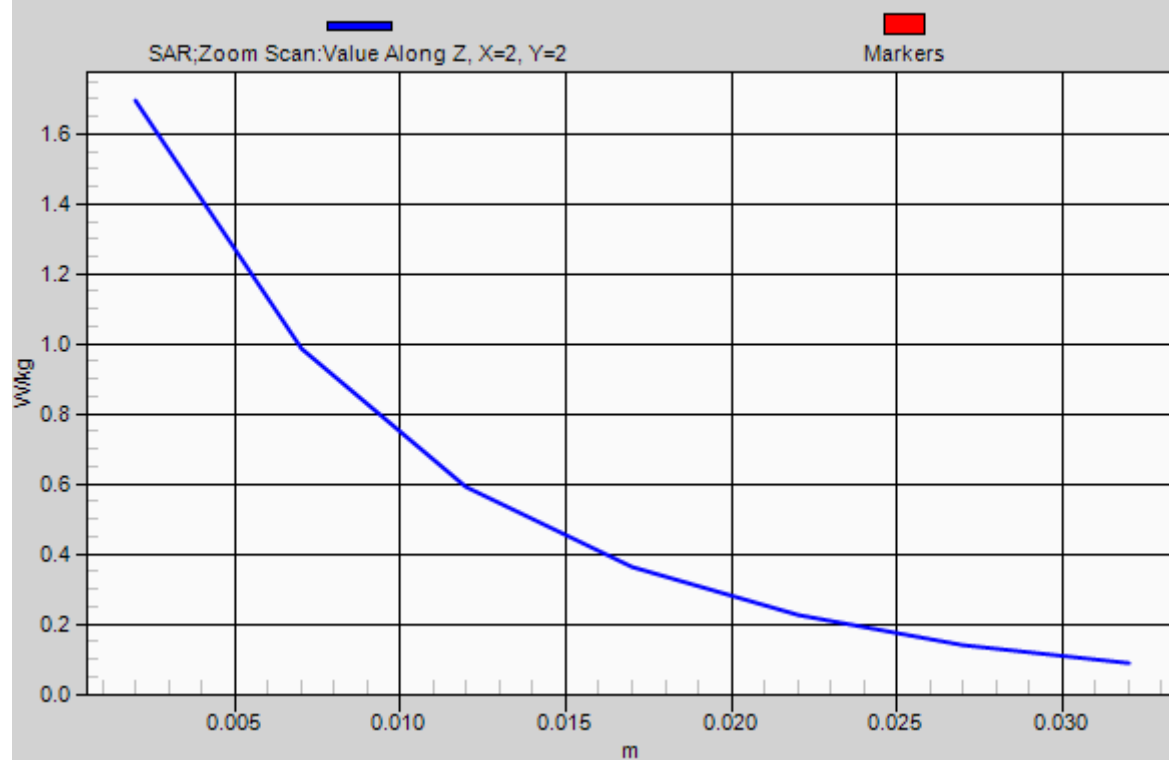
Peak SAR (extrapolated) = 2.150 mW/g

SAR(1 g) = 1.19 mW/g; SAR(10 g) = 0.578 mW/g

Maximum value of SAR (measured) = 1.69 W/kg



1g/10g Averaged SAR



P39 CDMA2000 BC15_RC3+SO32_Bottom Side_1cm_Ch25**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1711.25$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.772$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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 (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.48 W/kg

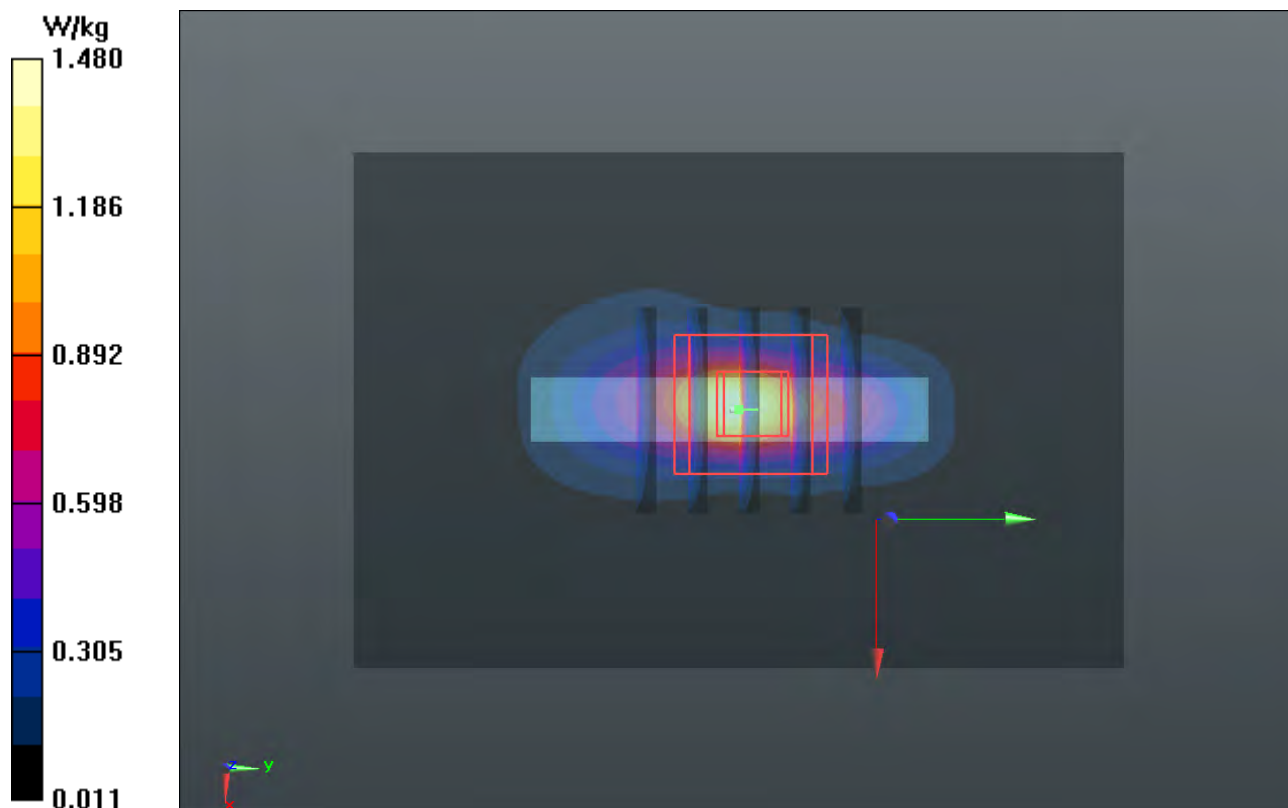
Ch25/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.194 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.947 mW/g

SAR(1 g) = 1.07 mW/g; SAR(10 g) = 0.520 mW/g

Maximum value of SAR (measured) = 1.51 W/kg



P40 CDMA2000 BC15_RC3+SO32_Bottom Side_1cm_Ch425**DUT: 120822C31**

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

Medium: B1750_0924 Medium parameters used: $f = 1731.25$ MHz; $\sigma = 1.452$ mho/m; $\epsilon_r = 53.726$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); 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)

Ch425/Area Scan (41x61x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.47 W/kg

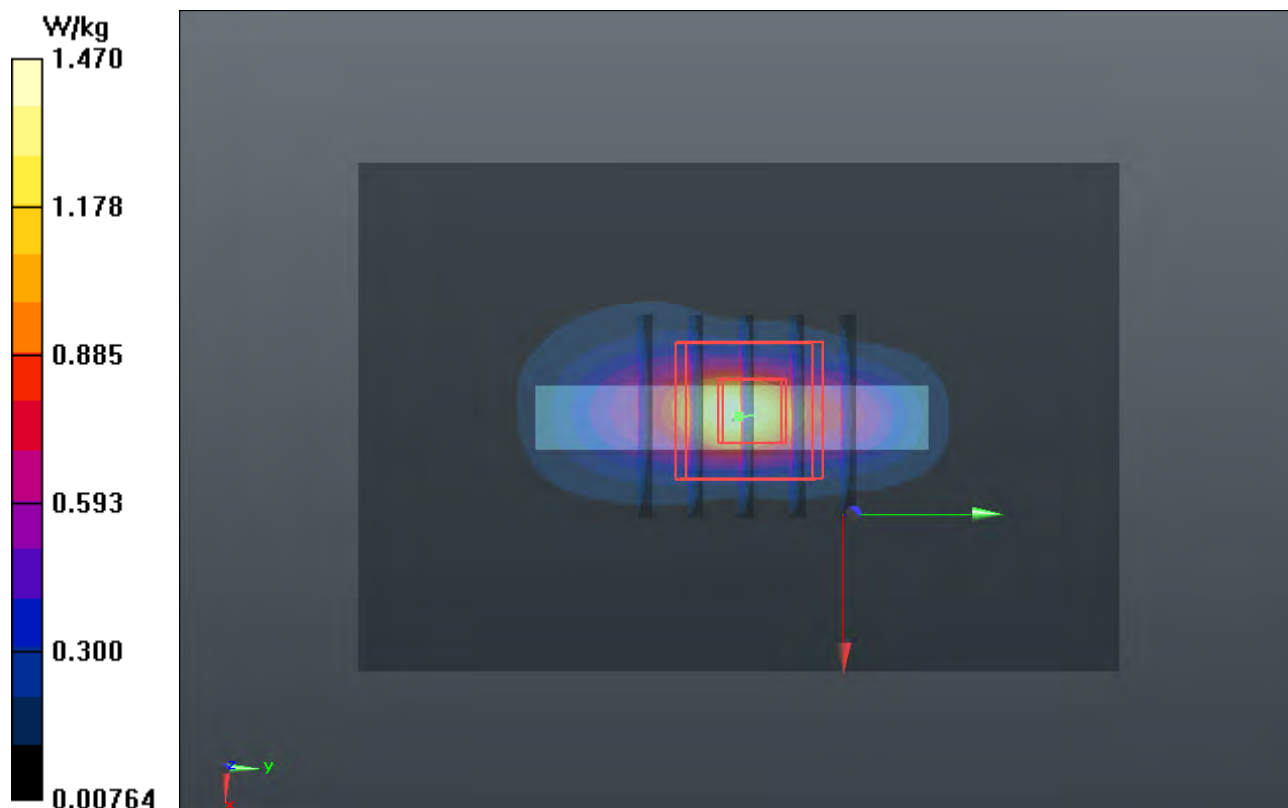
Ch425/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.083 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.888 mW/g

SAR(1 g) = 1.05 mW/g; SAR(10 g) = 0.512 mW/g

Maximum value of SAR (measured) = 1.47 W/kg



P05 CDMA2000 BC15_RC3+SO32_Front Face_2.5cm_Ch875_Earphone**DUT: 120822C31**

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

Medium: B1750_0901 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r = 53.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- 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) = 0.162 W/kg

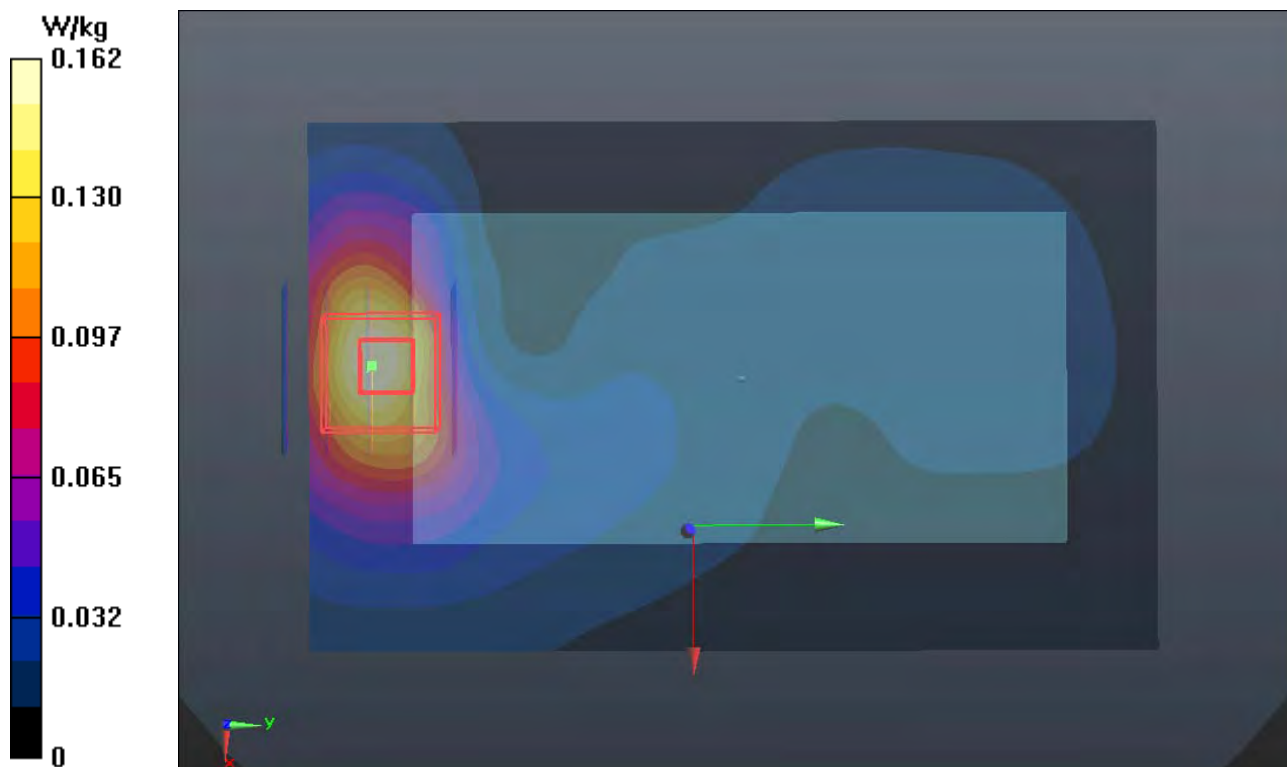
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

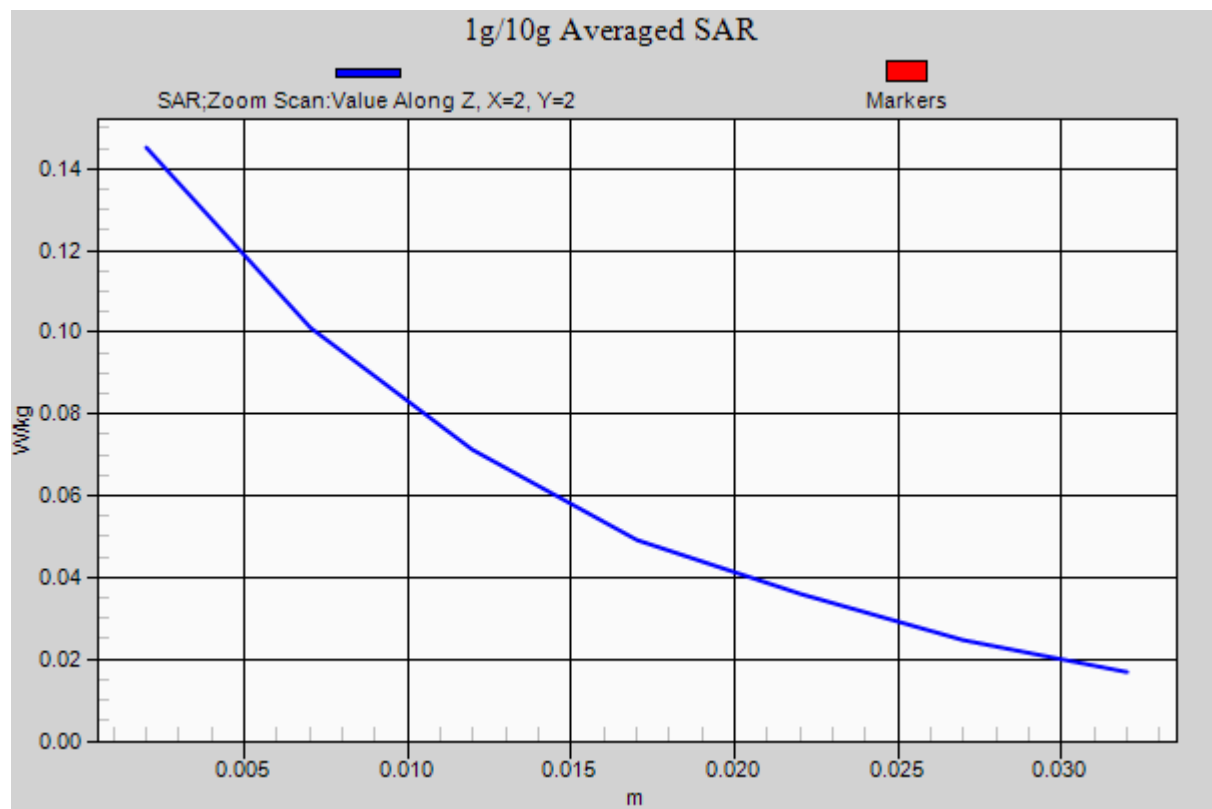
Reference Value = 3.250 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.173 mW/g

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.076 mW/g

Maximum value of SAR (measured) = 0.145 W/kg





P06 CDMA2000 BC15_RC3+SO32_Rear Face_2.5cm_Ch875_Earphone**DUT: 120822C31**

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

Medium: B1750_0901 Medium parameters used: $f = 1754$ MHz; $\sigma = 1.472$ mho/m; $\epsilon_r = 53.812$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.49, 7.49, 7.49); Calibrated: 2011/10/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn910; Calibrated: 2011/12/07
- 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) = 0.175 W/kg

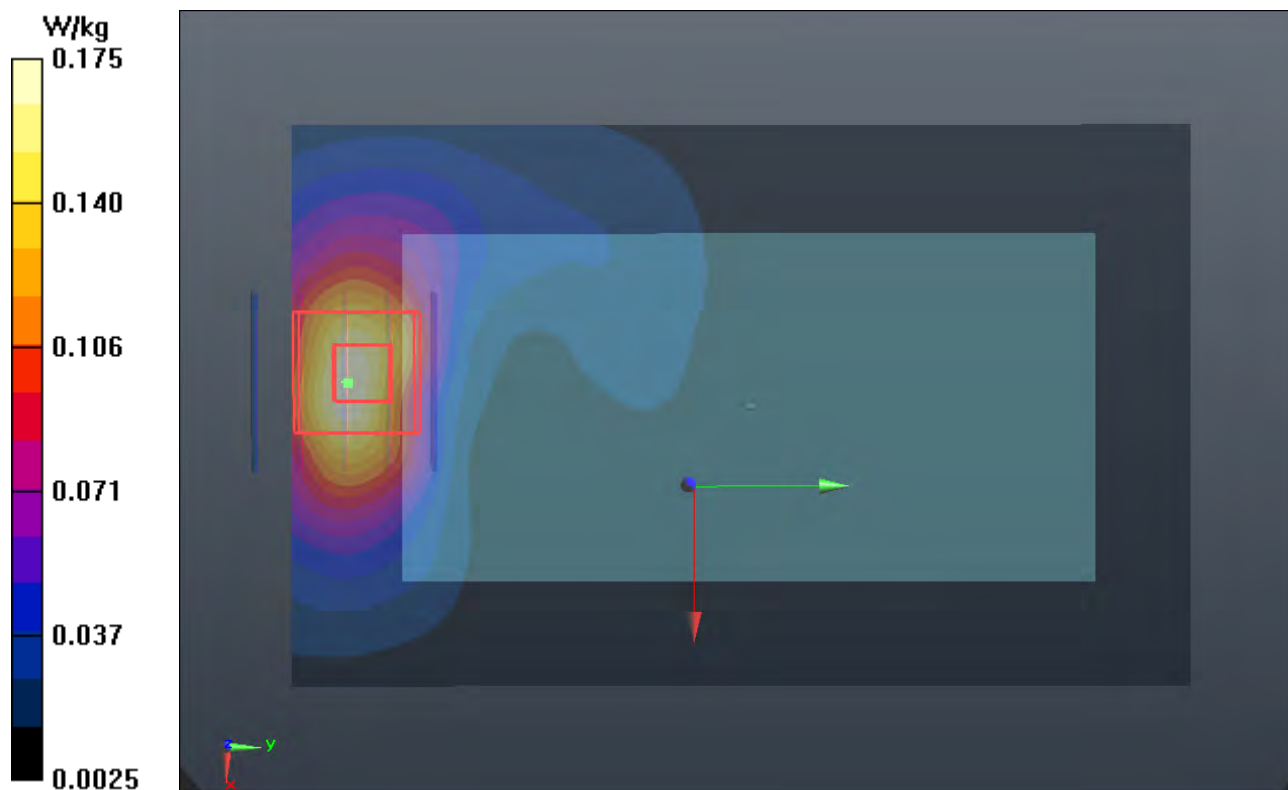
Ch875/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.576 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.175 mW/g

SAR(1 g) = 0.118 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.145 W/kg



P391 LTE 2_QPSK_10M_Front Face_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.382 mW/g

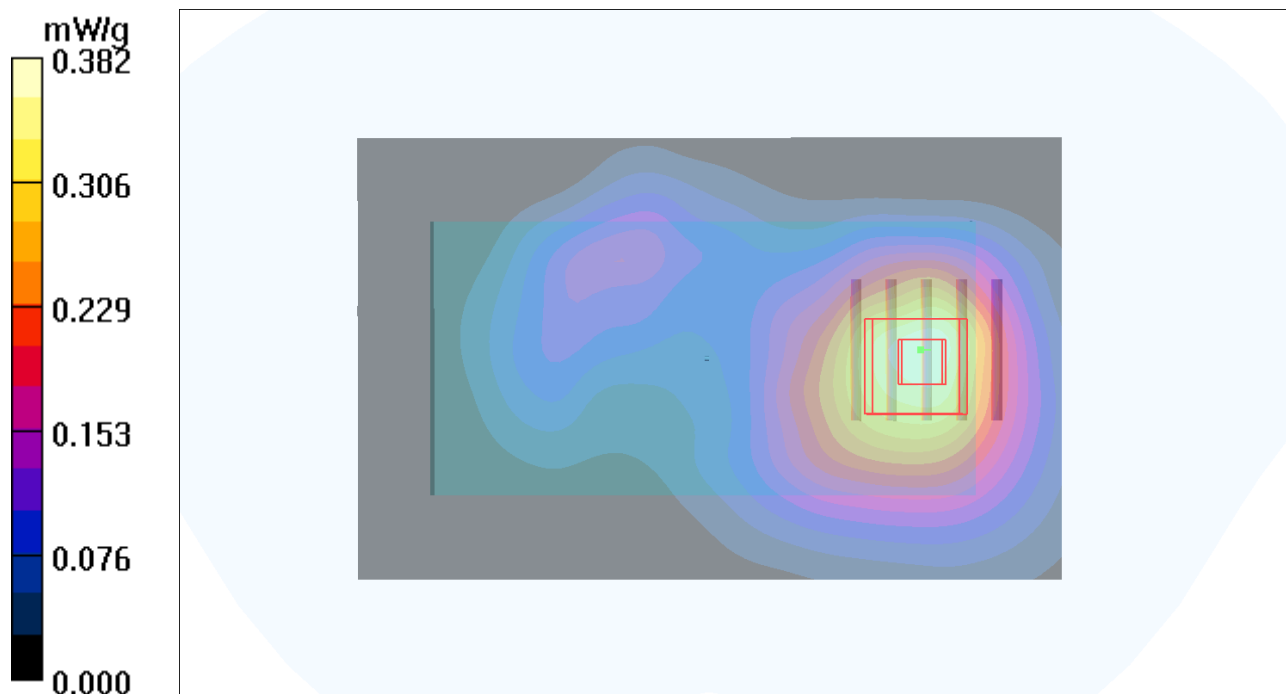
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.78 V/m; Power Drift = 0.073 dB

Peak SAR (extrapolated) = 0.435 W/kg

SAR(1 g) = 0.282 mW/g; SAR(10 g) = 0.176 mW/g

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



P392 LTE 2_QPSK_10M_Rear Face_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

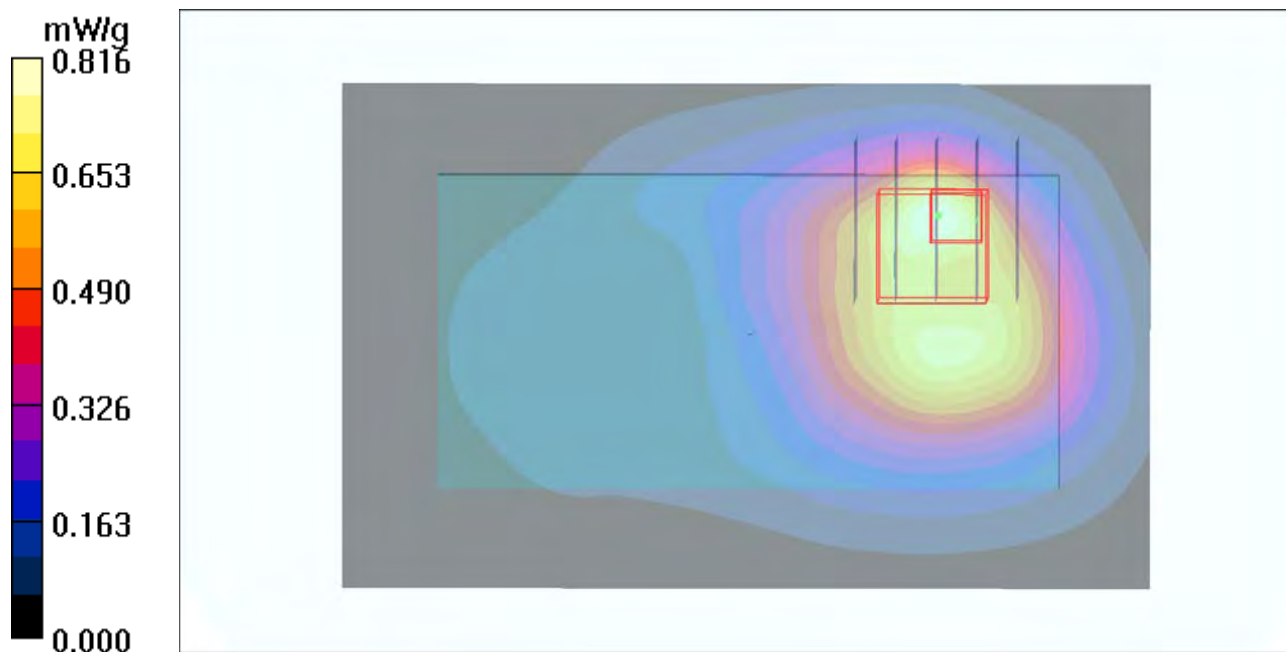
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.2 V/m; Power Drift = 0.058 dB

Peak SAR (extrapolated) = 0.901 W/kg

SAR(1 g) = 0.512 mW/g; SAR(10 g) = 0.317 mW/g

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



P393 LTE 2_QPSK_10M_Right Side_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19150/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.133 mW/g

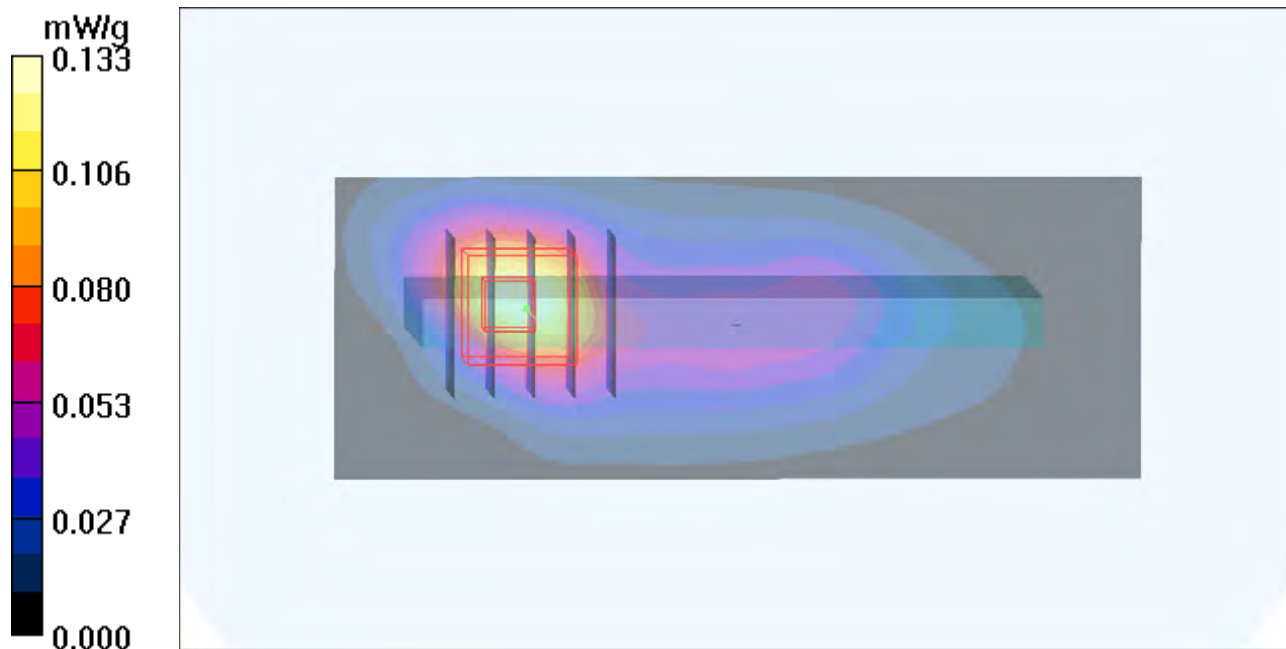
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.41 V/m; Power Drift = 0.047 dB

Peak SAR (extrapolated) = 0.213 W/kg

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.056 mW/g

Maximum value of SAR (measured) = 0.155 mW/g



P394 LTE 2_QPSK_10M_Top Side_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19150/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.393 mW/g

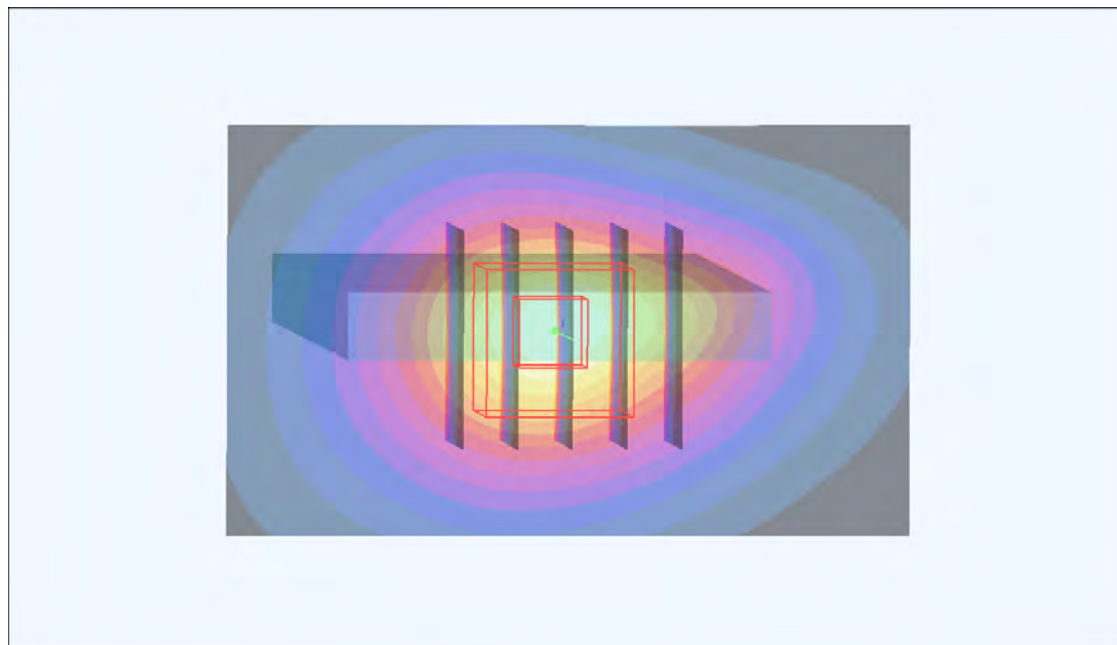
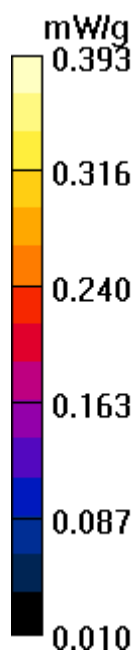
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.5 V/m; Power Drift = 0.024 dB

Peak SAR (extrapolated) = 0.497 W/kg

SAR(1 g) = 0.308 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.409 mW/g



P395 LTE 2_QPSK_10M_Front Face_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.583 mW/g

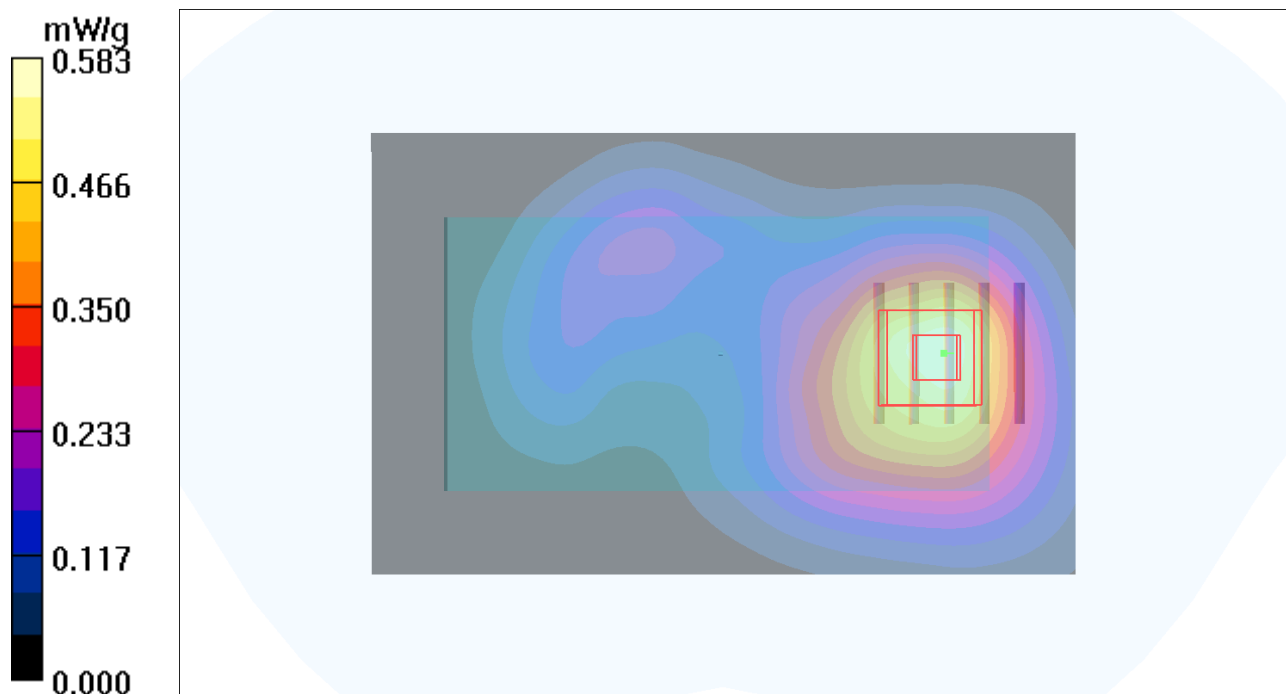
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.65 V/m; Power Drift = 0.041 dB

Peak SAR (extrapolated) = 0.714 W/kg

SAR(1 g) = 0.457 mW/g; SAR(10 g) = 0.285 mW/g

Maximum value of SAR (measured) = 0.597 mW/g



P396 LTE 2_QPSK_10M_Rear Face_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.09 mW/g

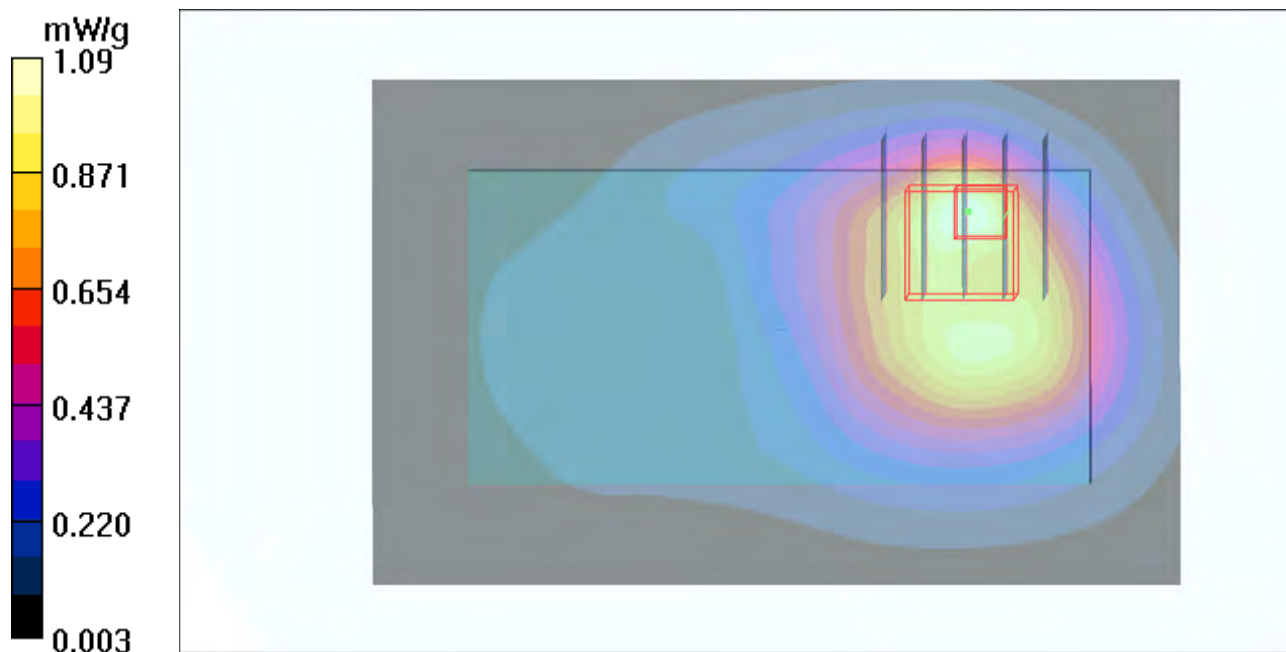
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.9 V/m; Power Drift = 0.001 dB

Peak SAR (extrapolated) = 1.18 W/kg

SAR(1 g) = 0.672 mW/g; SAR(10 g) = 0.422 mW/g

Maximum value of SAR (measured) = 0.921 mW/g



P397 LTE 2_QPSK_10M_Right Side_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19150/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.150 mW/g

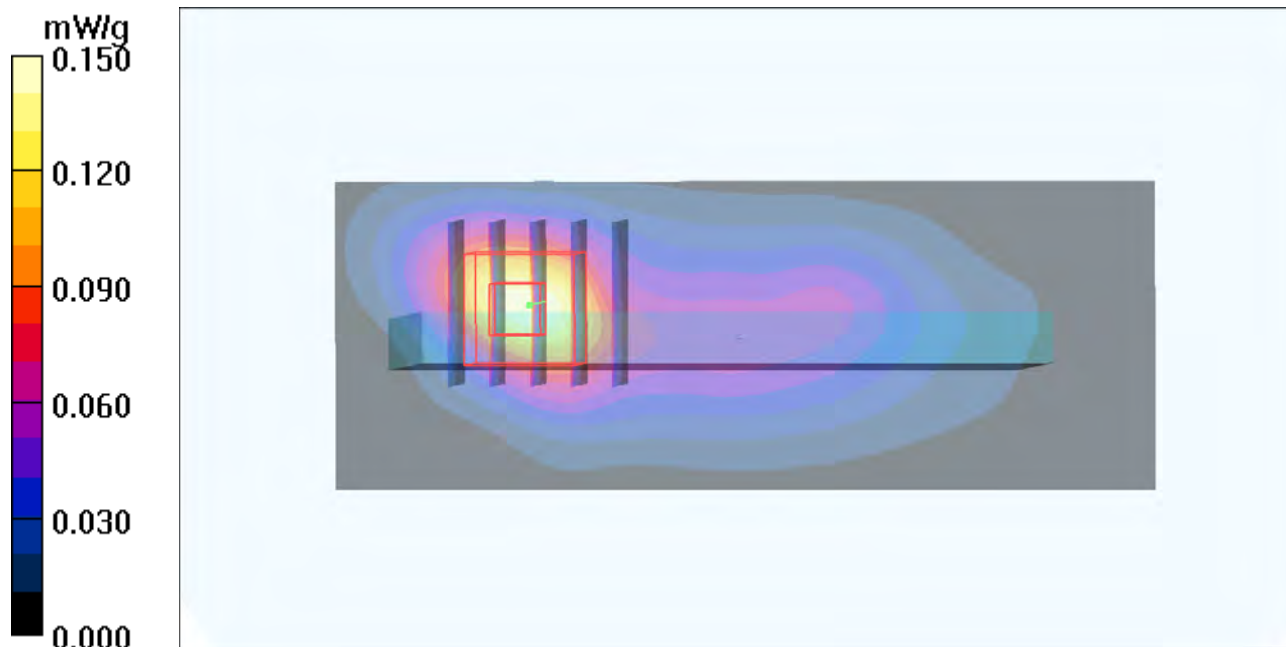
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.46 V/m; Power Drift = -0.066 dB

Peak SAR (extrapolated) = 0.225 W/kg

SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.060 mW/g

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



P398 LTE 2_QPSK_10M_Top Side_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19150/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.513 mW/g

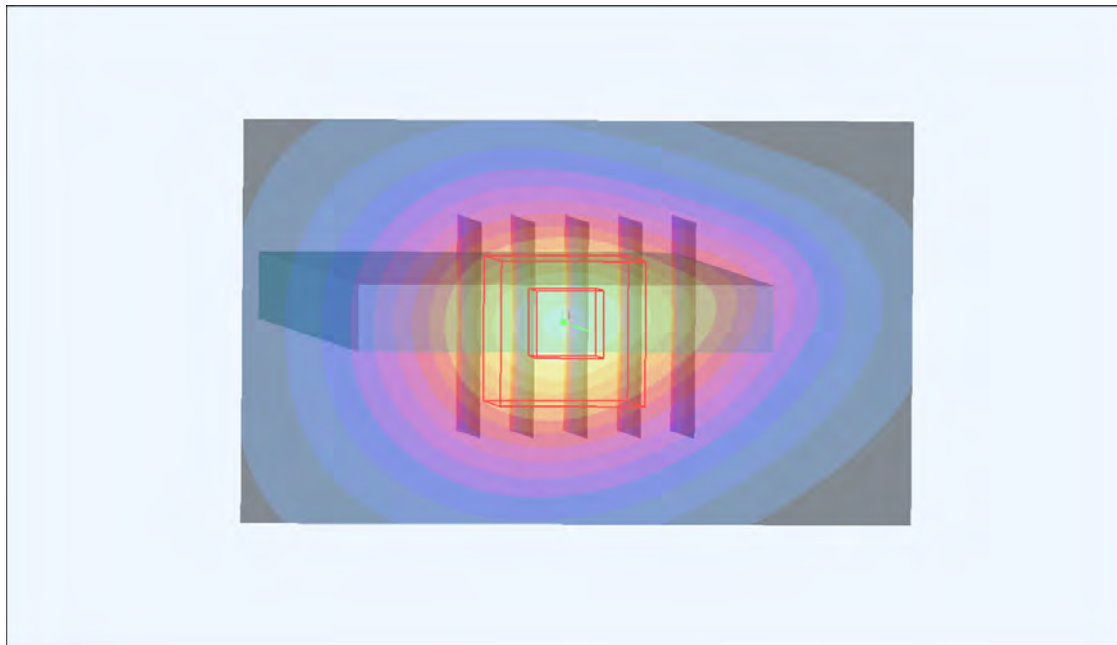
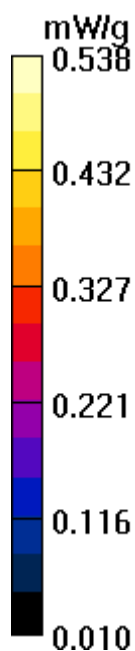
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.8 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.656 W/kg

SAR(1 g) = 0.405 mW/g; SAR(10 g) = 0.237 mW/g

Maximum value of SAR (measured) = 0.538 mW/g



P399 LTE 2_QPSK_10M_Front Face_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.721 mW/g

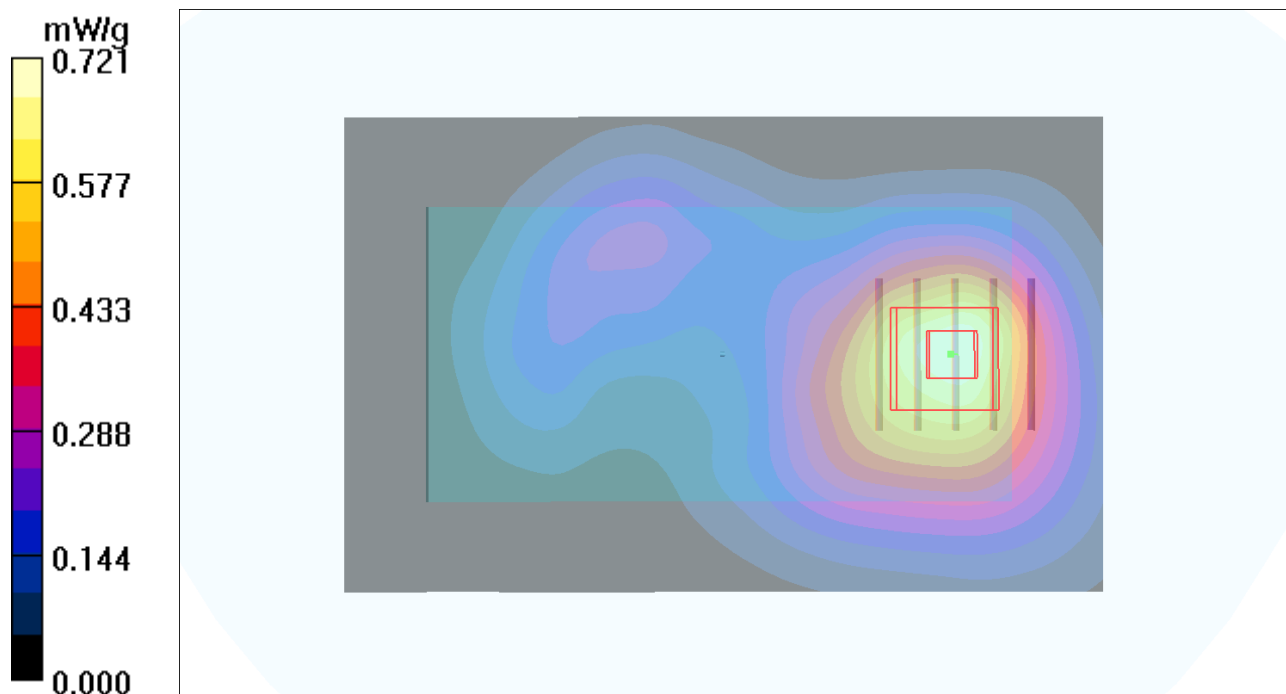
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.39 V/m; Power Drift = 0.009 dB

Peak SAR (extrapolated) = 0.818 W/kg

SAR(1 g) = 0.532 mW/g; SAR(10 g) = 0.333 mW/g

Maximum value of SAR (measured) = 0.685 mW/g



P400 LTE 2_QPSK_10M_Rear Face_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 1.11 mW/g

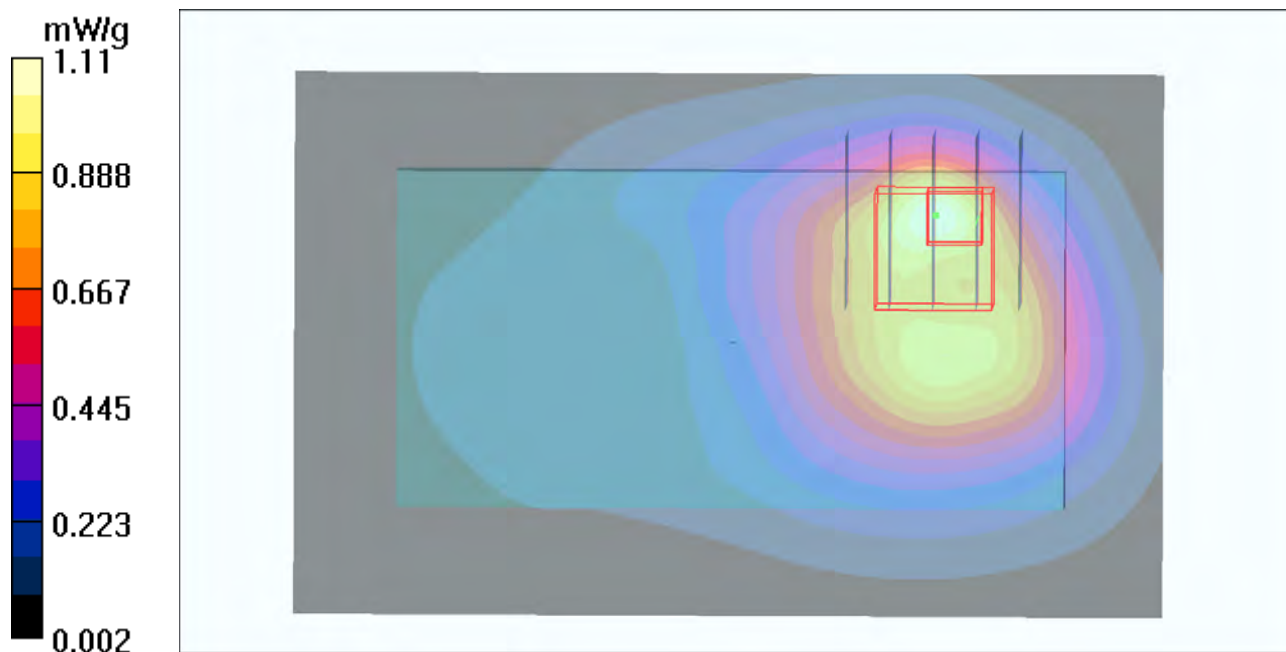
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.0 V/m; Power Drift = 0.038 dB

Peak SAR (extrapolated) = 1.21 W/kg

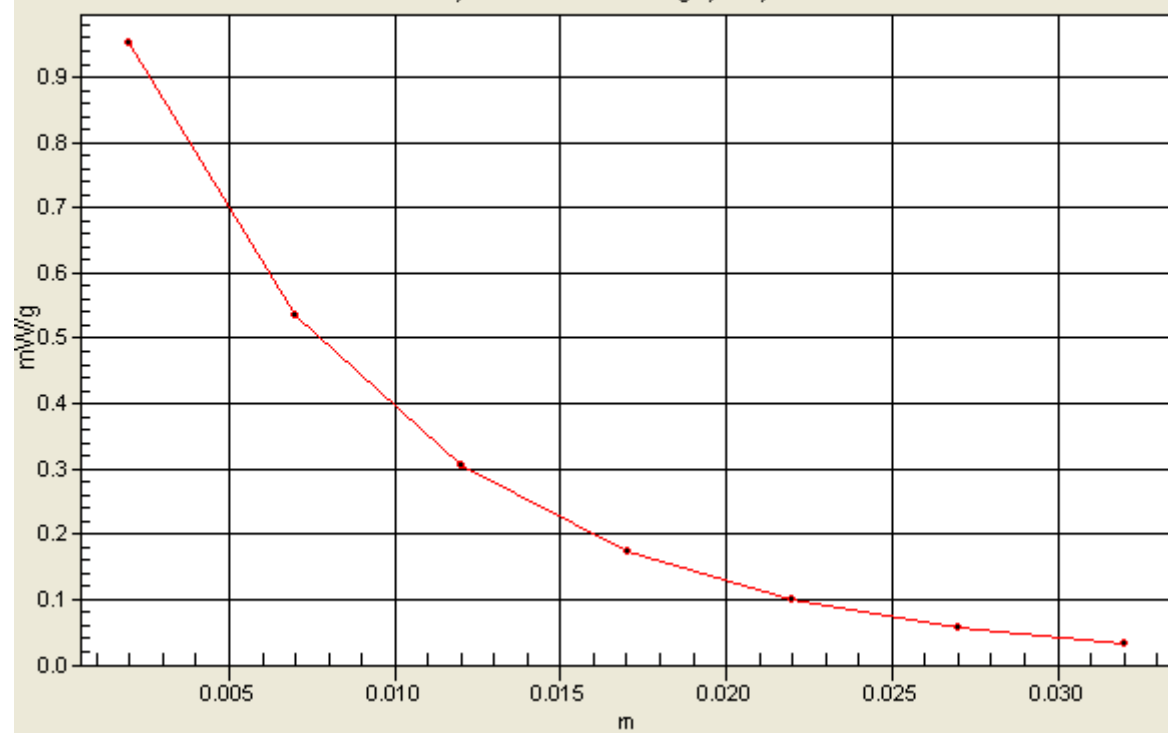
SAR(1 g) = 0.690 mW/g; SAR(10 g) = 0.421 mW/g

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



1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=2, Y=3



P401 LTE 2_QPSK_10M_Right Side_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19150/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.161 mW/g

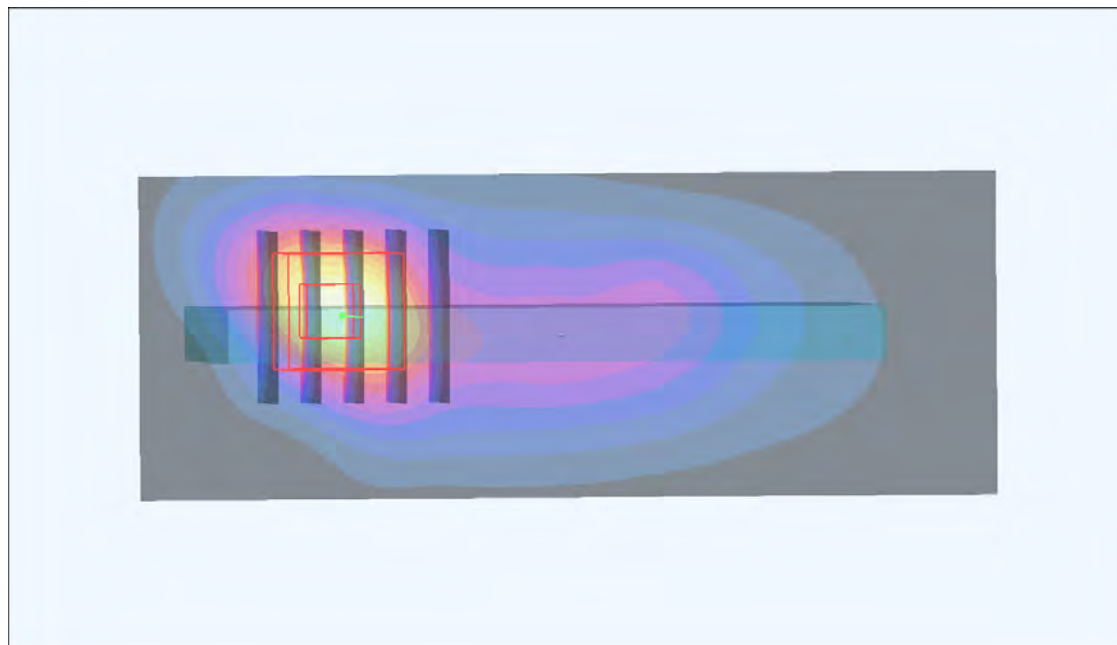
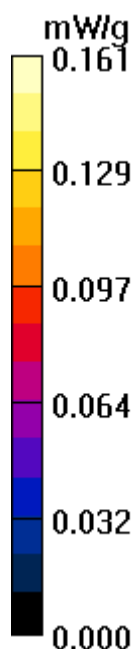
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.06 V/m; Power Drift = -0.093 dB

Peak SAR (extrapolated) = 0.255 W/kg

SAR(1 g) = 0.142 mW/g; SAR(10 g) = 0.070 mW/g

Maximum value of SAR (measured) = 0.196 mW/g



P402 LTE 2_QPSK_10M_Top Side_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch19150/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.594 mW/g

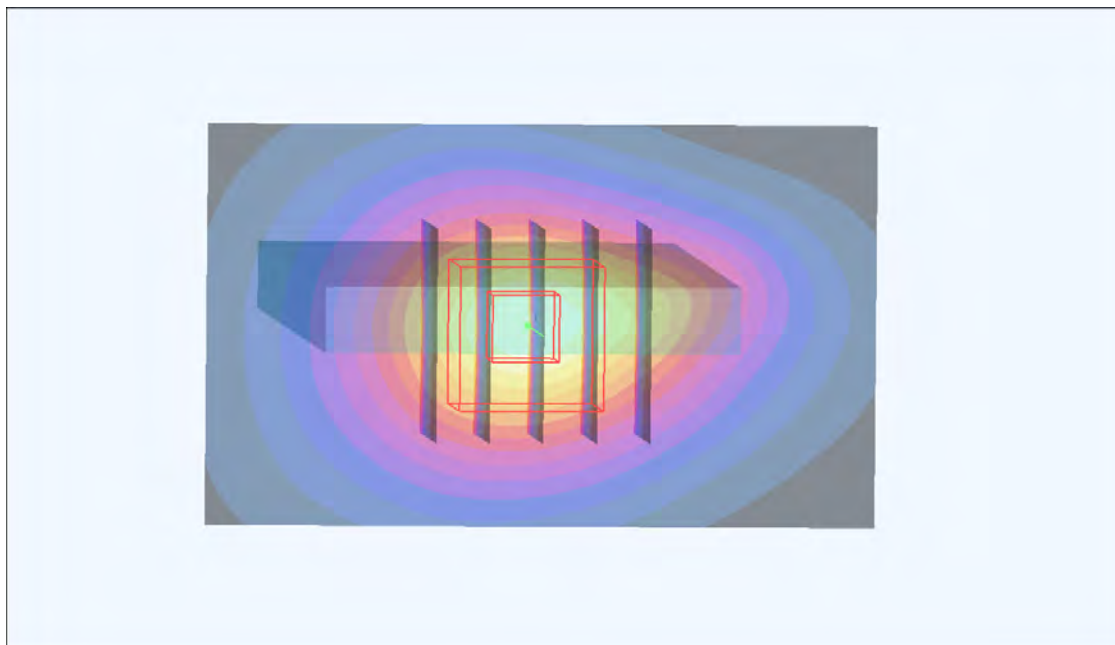
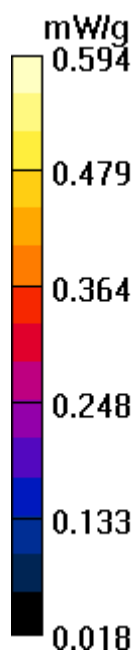
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.3 V/m; Power Drift = -0.016 dB

Peak SAR (extrapolated) = 0.732 W/kg

SAR(1 g) = 0.458 mW/g; SAR(10 g) = 0.271 mW/g

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



P1114 LTE 2_16QAM_10M_Front Face_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.182 W/kg

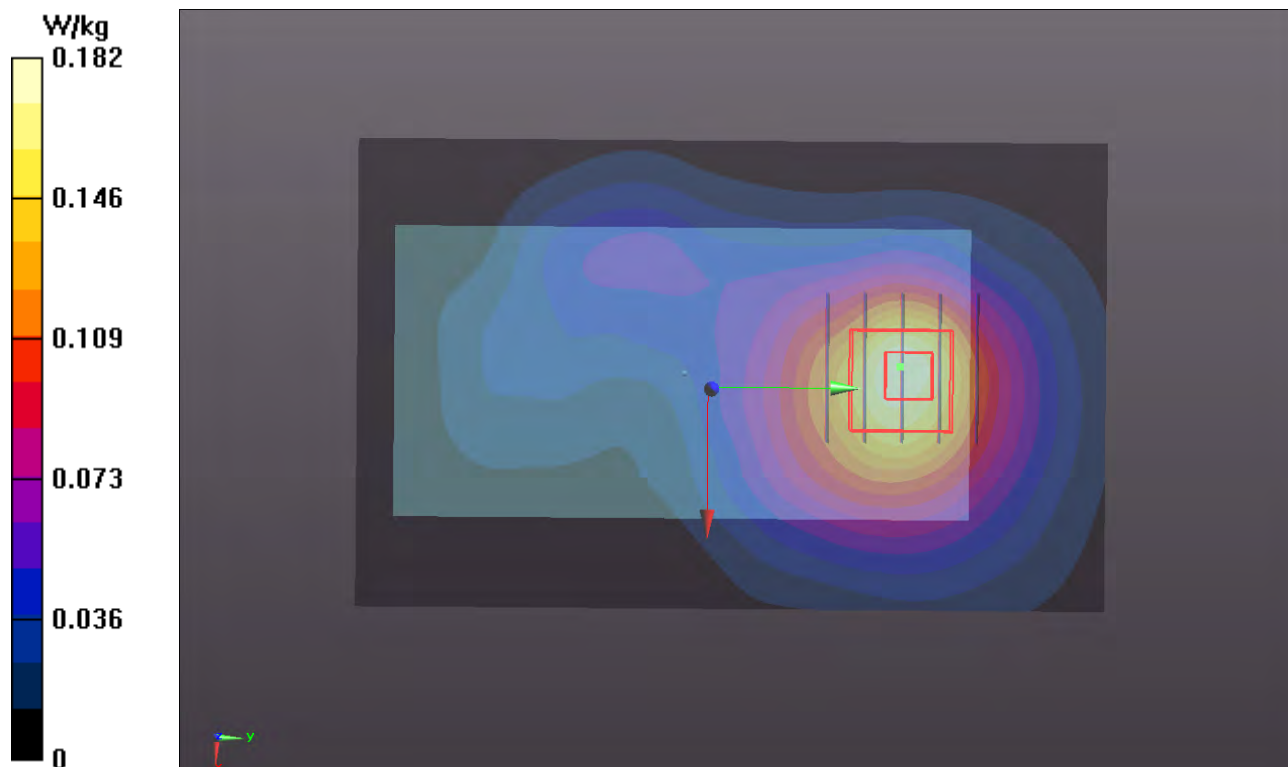
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.810 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.197 mW/g

SAR(1 g) = 0.130 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.166 W/kg



P403 LTE 2_16QAM_10M_Rear Face_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$

kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.648 mW/g

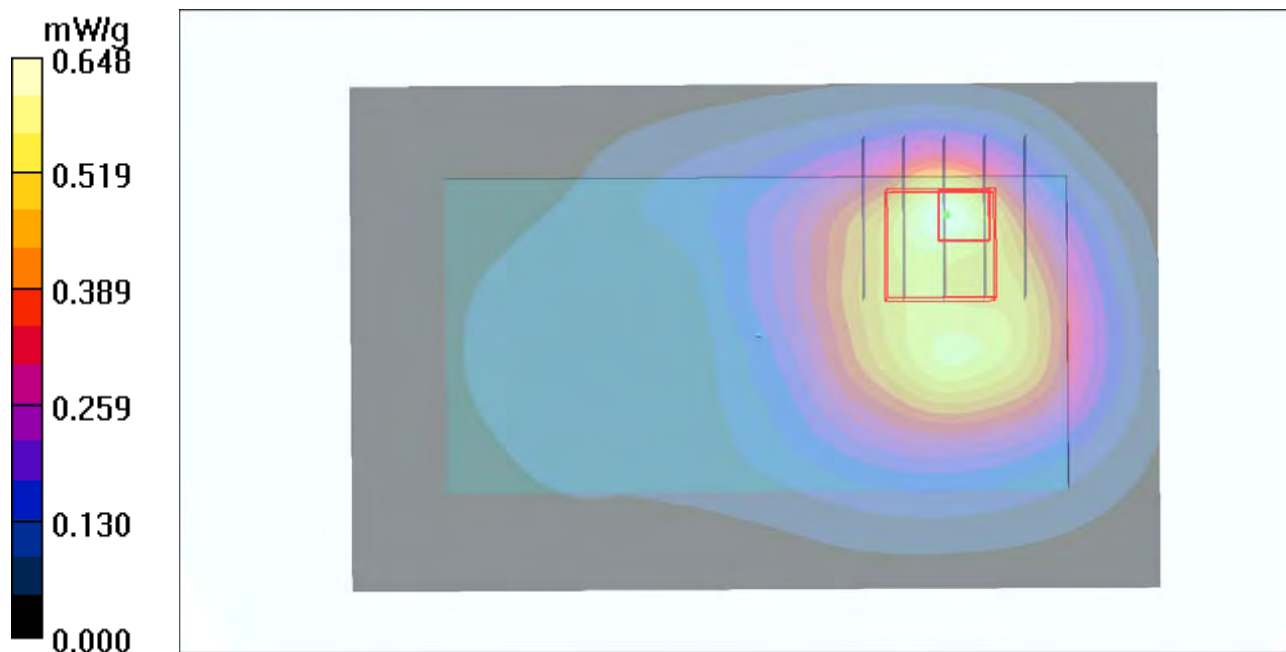
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.0 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.732 W/kg

SAR(1 g) = 0.414 mW/g; SAR(10 g) = 0.255 mW/g

Maximum value of SAR (measured) = 0.574 mW/g



P1115 LTE 2_16QAM_10M_Right Face_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.135 W/kg

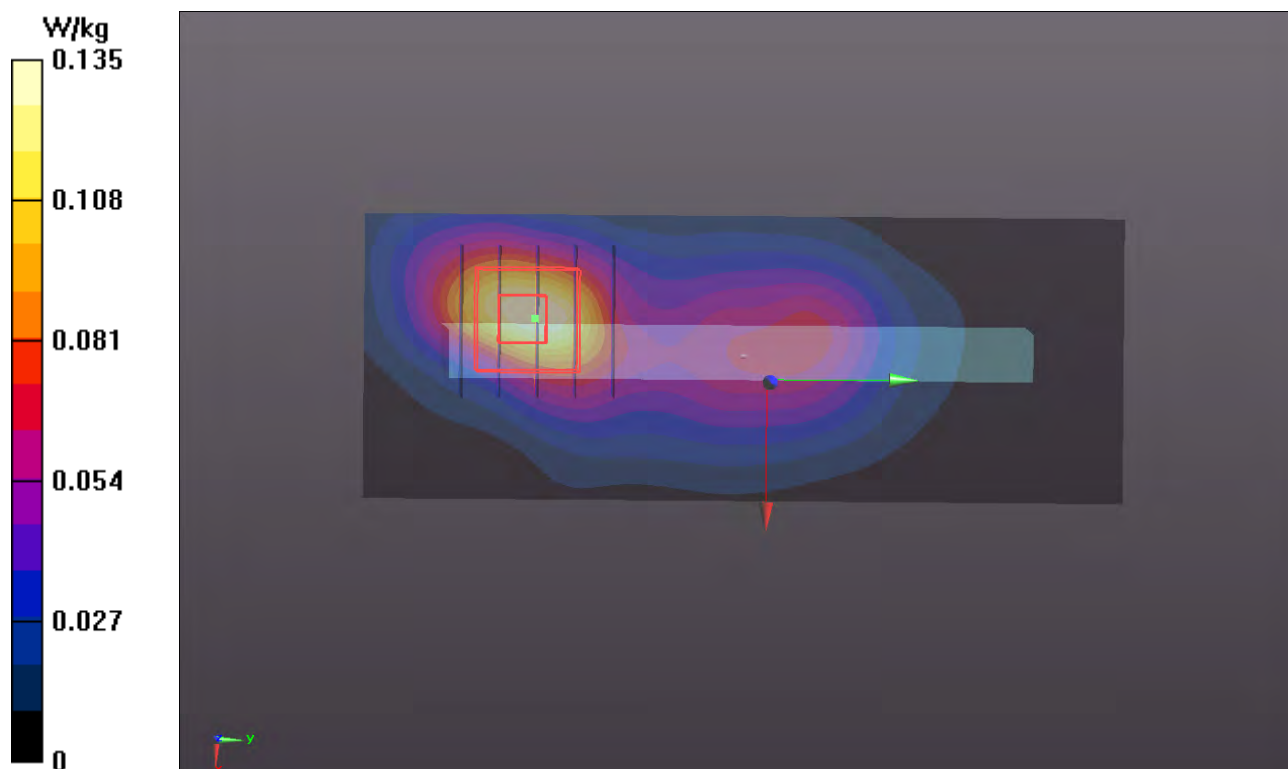
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.328 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.225 mW/g

SAR(1 g) = 0.121 mW/g; SAR(10 g) = 0.061 mW/g

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



P1116 LTE 2_16QAM_10M_Top Side_1cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

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

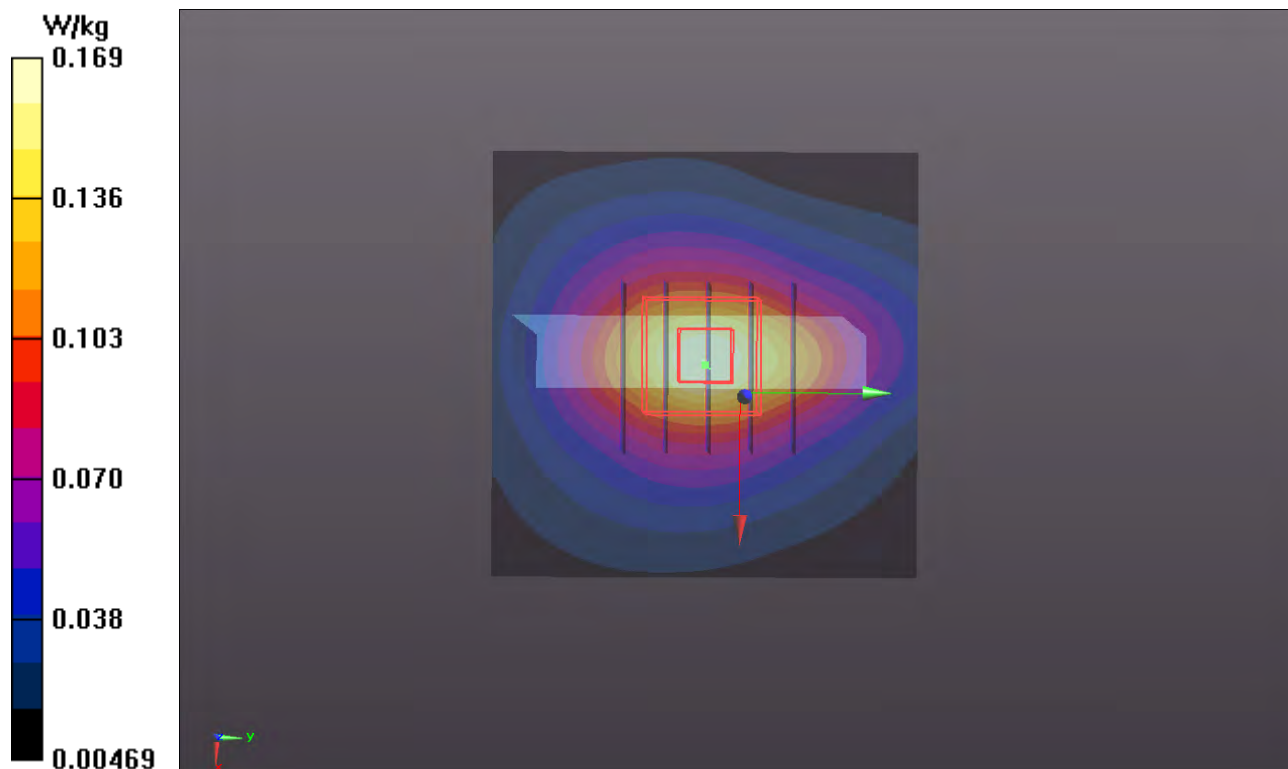
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.608 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.207 mW/g

SAR(1 g) = 0.129 mW/g; SAR(10 g) = 0.075 mW/g

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



P1117 LTE 2_16QAM_10M_Front Face_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.194 W/kg

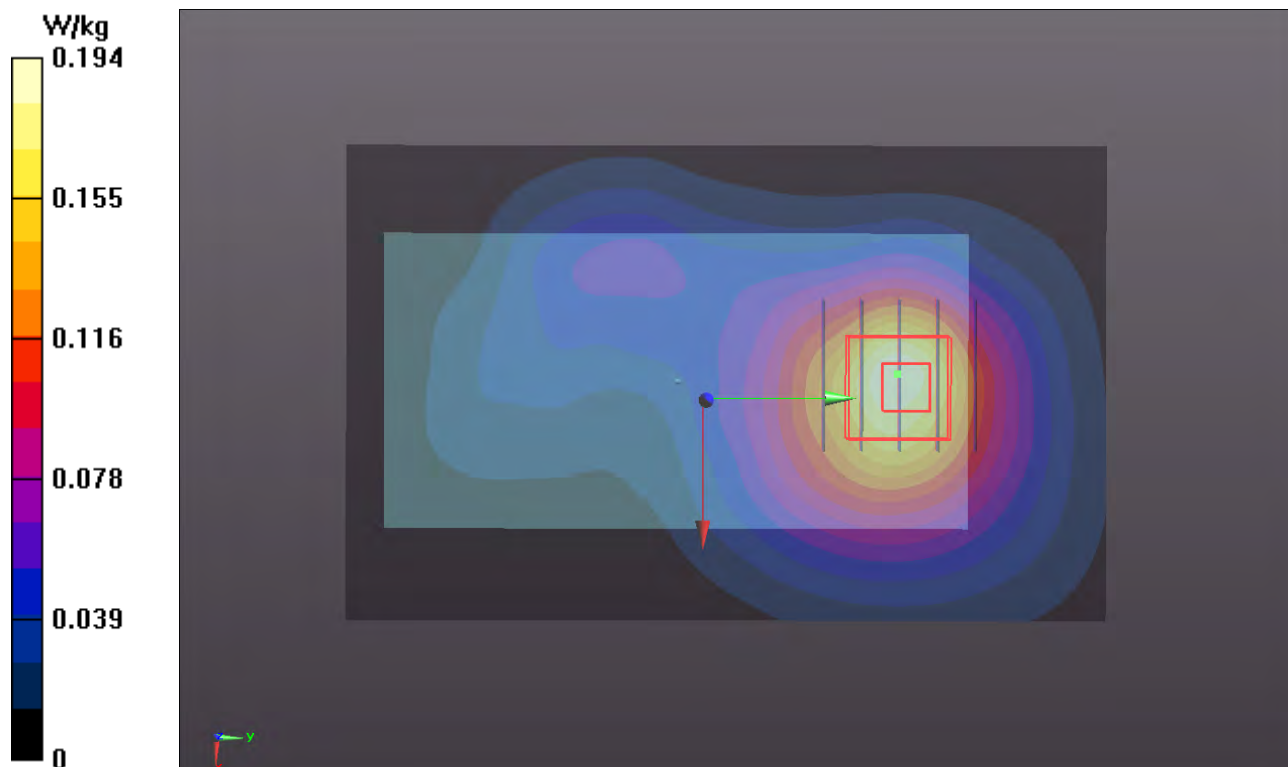
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.889 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.219 mW/g

SAR(1 g) = 0.140 mW/g; SAR(10 g) = 0.088 mW/g

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



P404 LTE 2_16QAM_10M_Rear Face_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

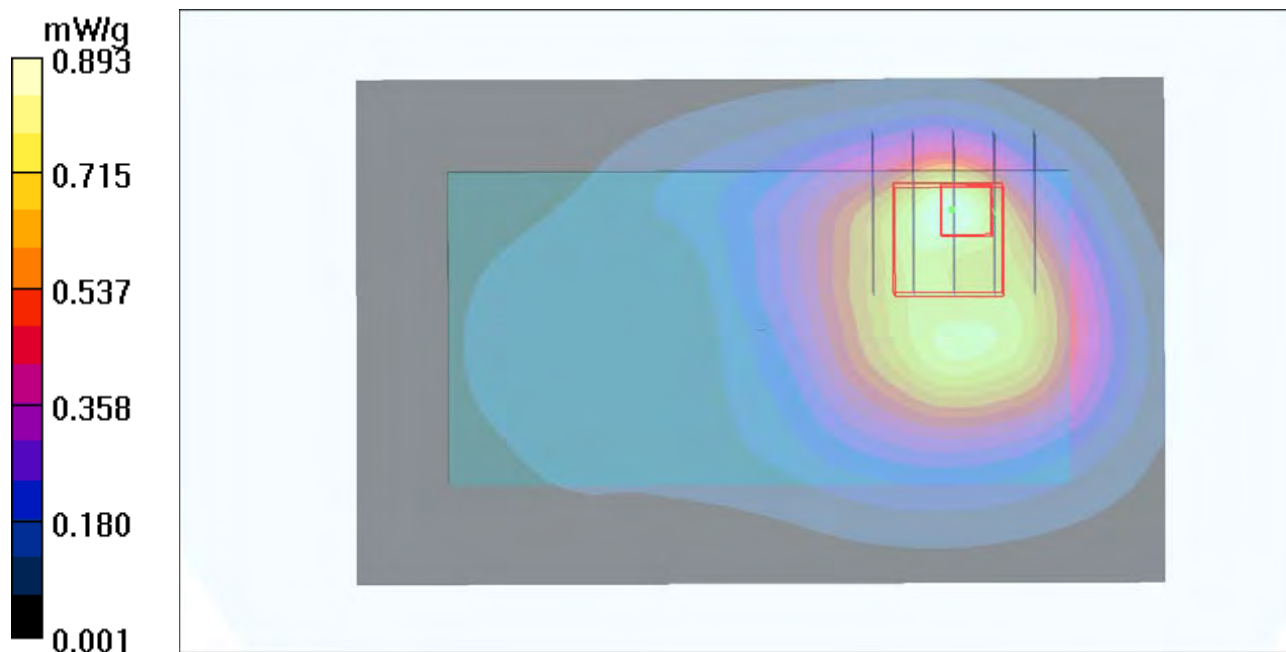
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = -0.012 dB

Peak SAR (extrapolated) = 0.967 W/kg

SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.753 mW/g



P1118 LTE 2_16QAM_10M_Right Face_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.143 W/kg

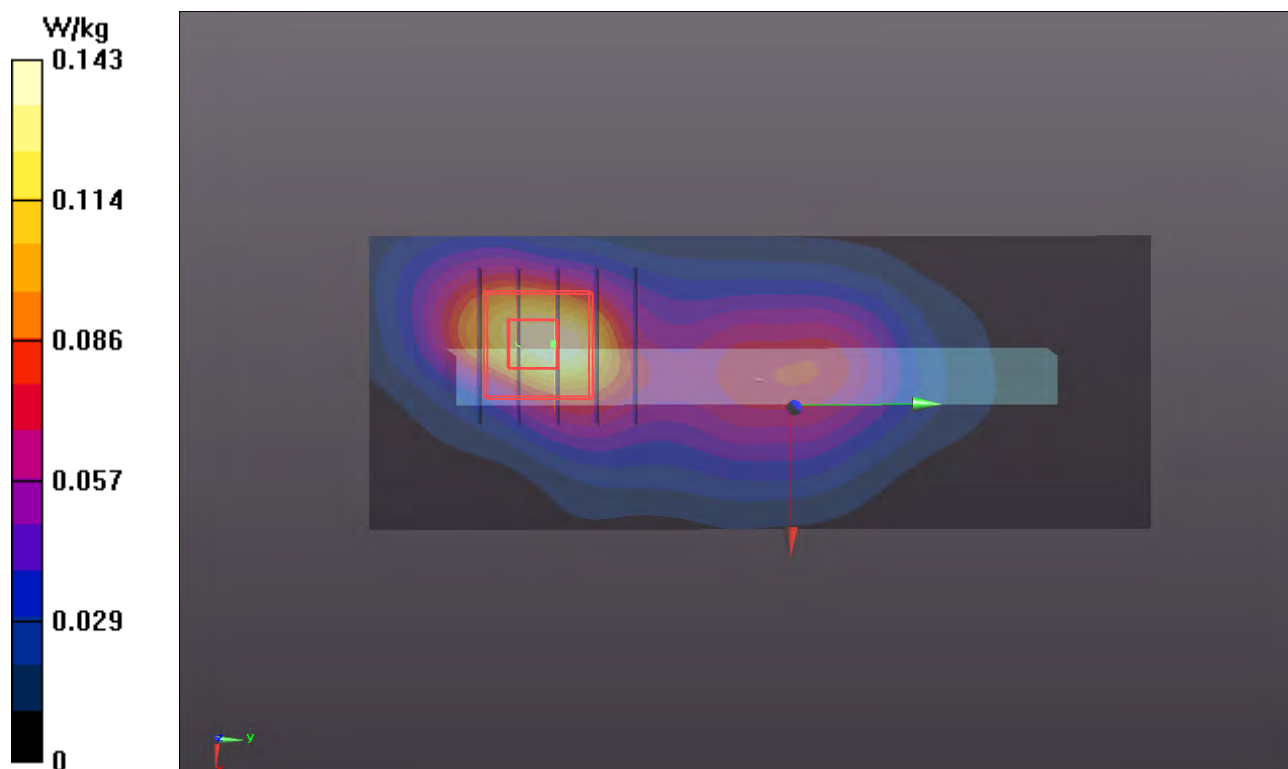
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.603 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.225 mW/g

SAR(1 g) = 0.125 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.170 W/kg



P1119 LTE 2_16QAM_10M_Top Side_1cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.181 W/kg

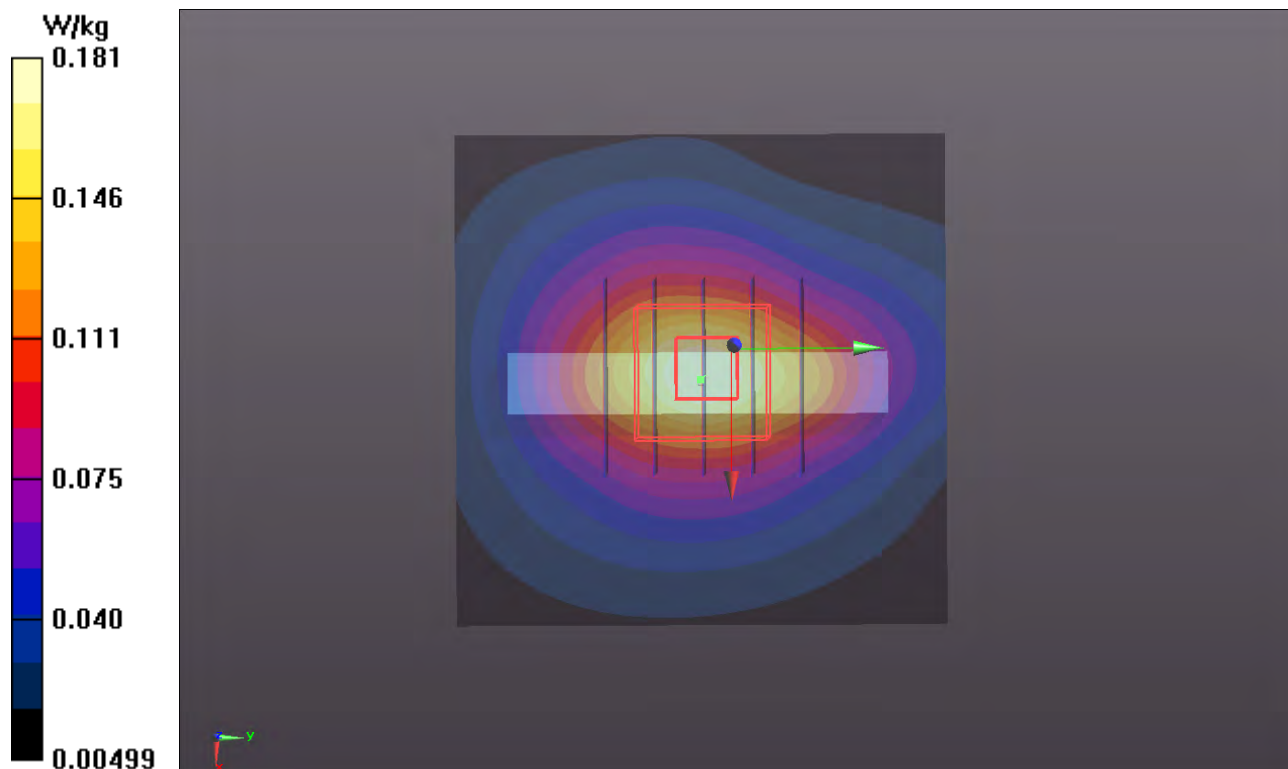
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.999 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.221 mW/g

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.081 mW/g

Maximum value of SAR (measured) = 0.180 W/kg



P1120 LTE 2_16QAM_10M_Front Face_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.188 W/kg

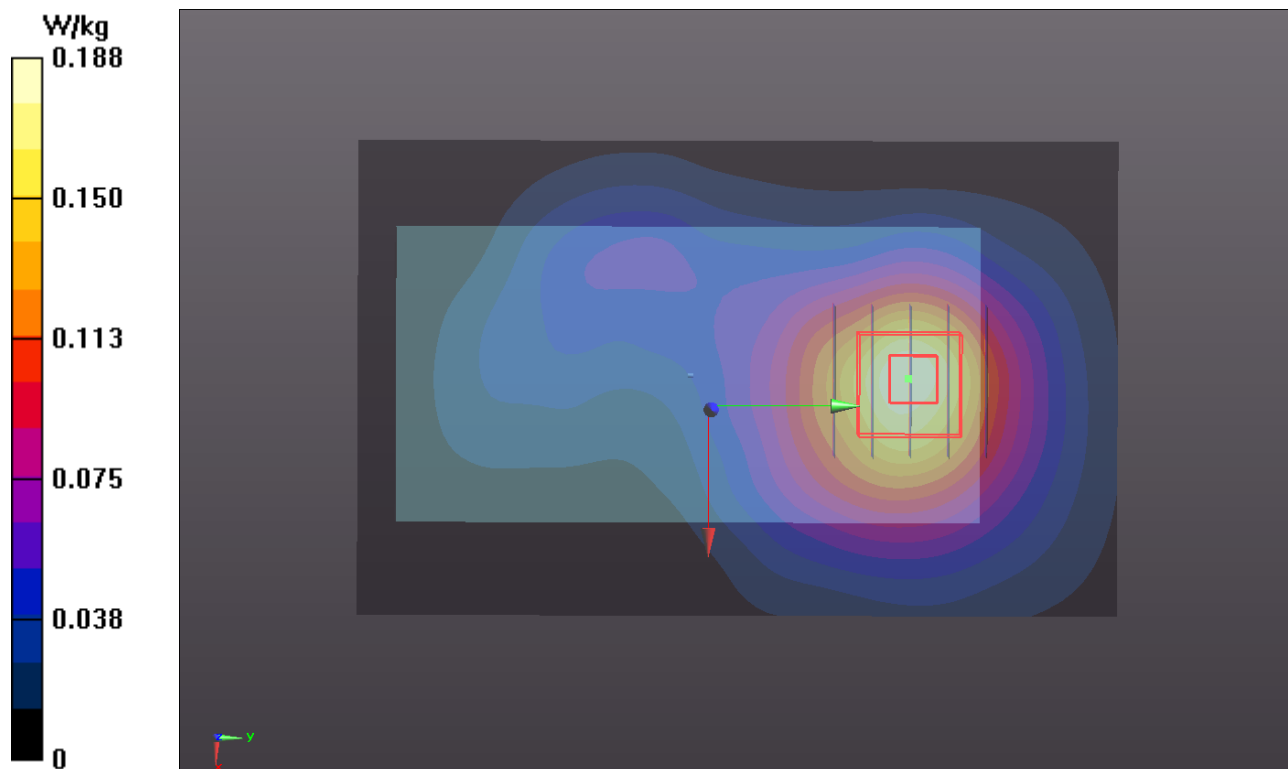
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.010 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.208 mW/g

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.086 mW/g

Maximum value of SAR (measured) = 0.176 W/kg



P405 LTE 2_16QAM_10M_Rear Face_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_0920 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 53$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.863 mW/g

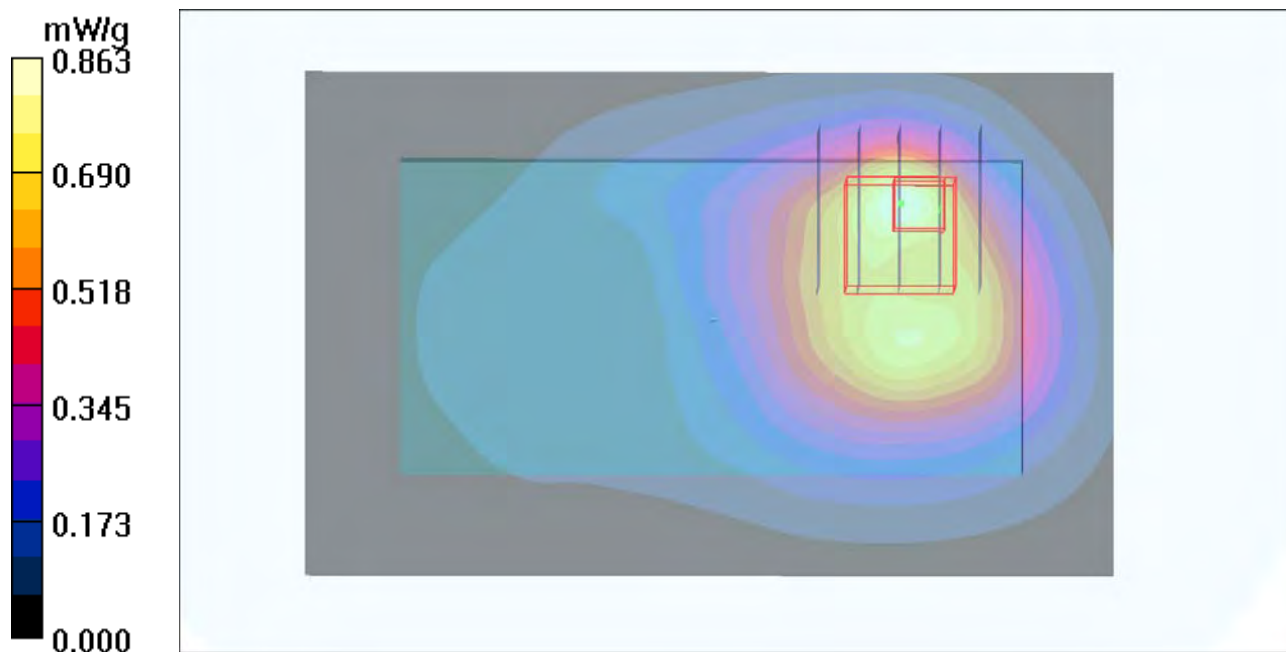
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.7 V/m; Power Drift = 0.032 dB

Peak SAR (extrapolated) = 0.976 W/kg

SAR(1 g) = 0.552 mW/g; SAR(10 g) = 0.335 mW/g

Maximum value of SAR (measured) = 0.767 mW/g



P1121 LTE 2_16QAM_10M_Right Face_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.151 W/kg

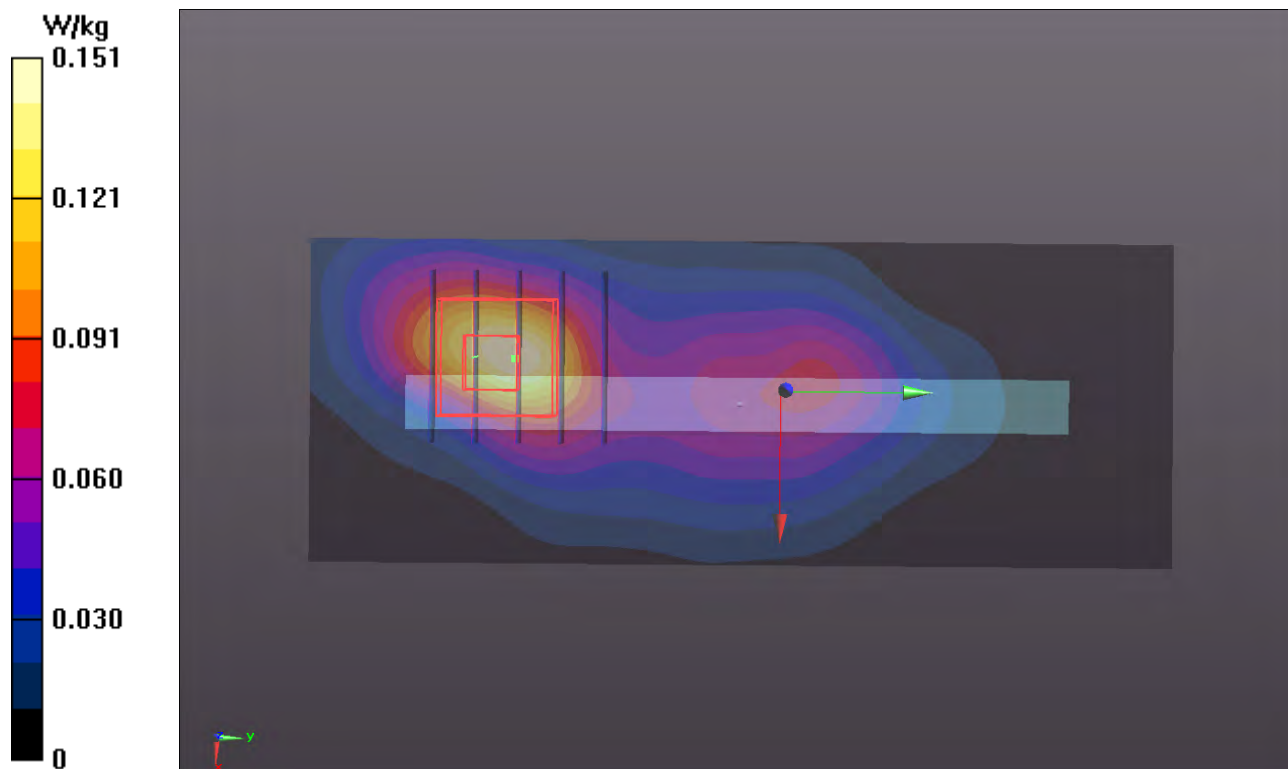
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.518 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.243 mW/g

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.066 mW/g

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



P1122 LTE 2_16QAM_10M_Top Side_1cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch19150/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.180 W/kg

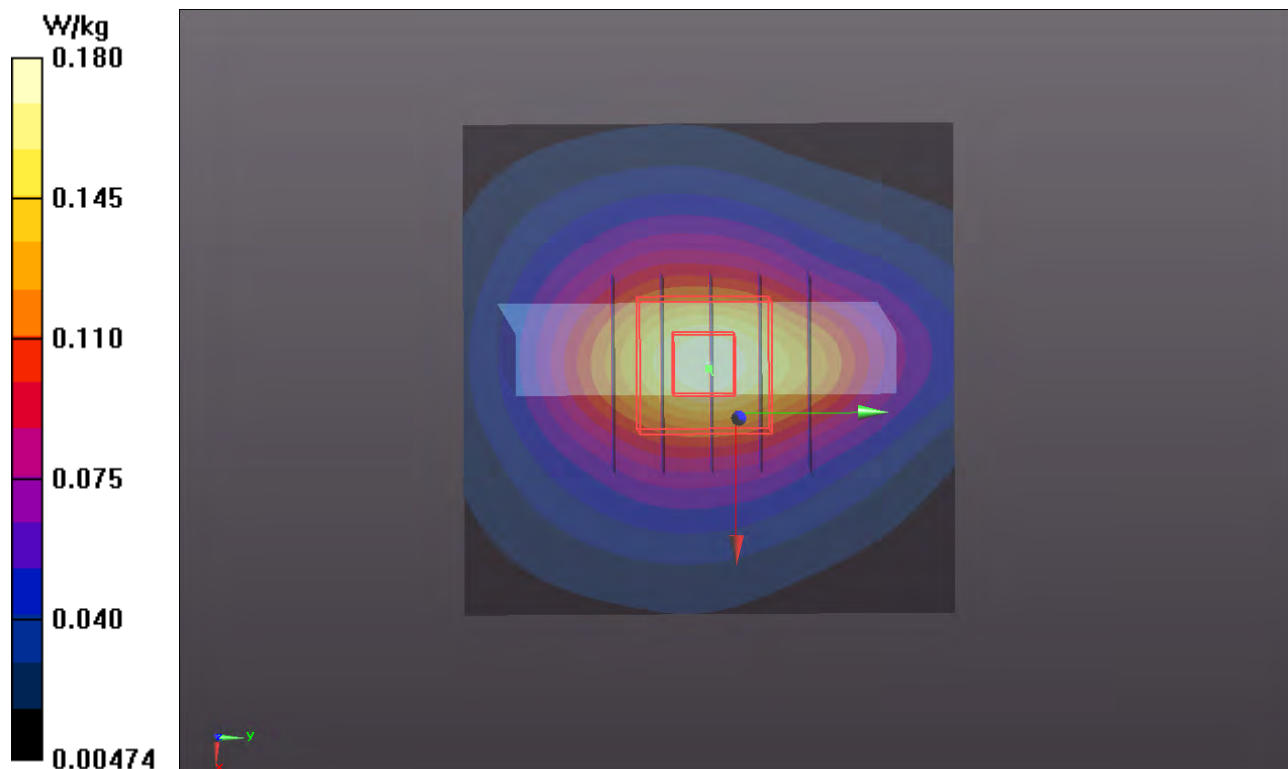
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.928 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.217 mW/g

SAR(1 g) = 0.135 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.180 W/kg



P328 LTE 2_QPSK_10M_Front Face_2.5cm_Ch19150_Earphone Off_25RB_Offset 12

DUT: 120822C31

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.042 mW/g

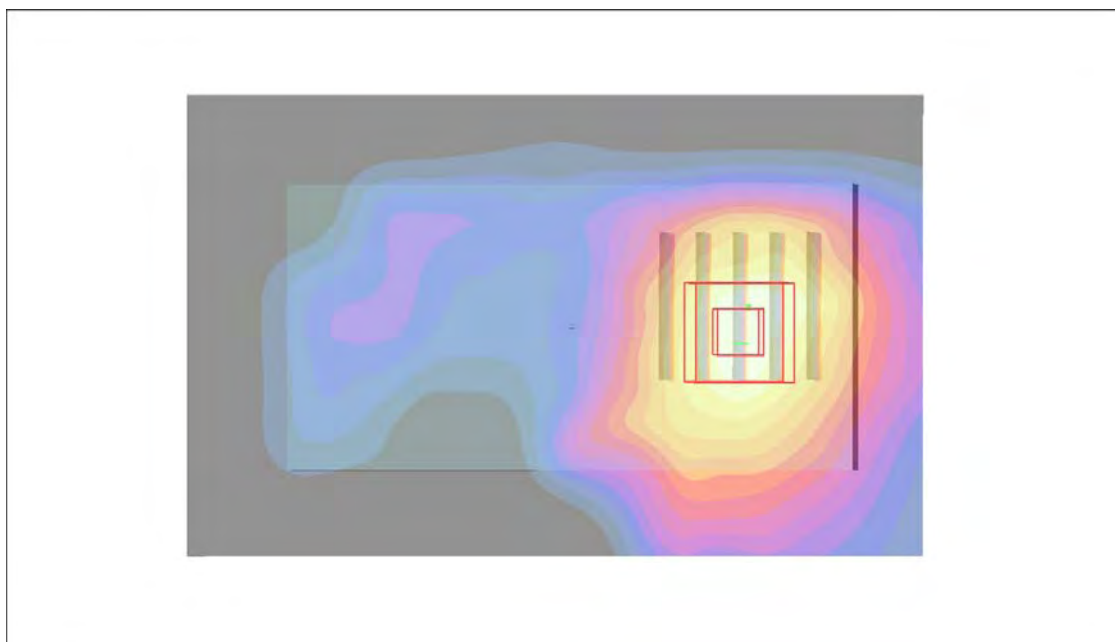
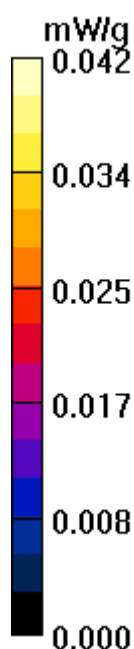
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.63 V/m; Power Drift = 0.110 dB

Peak SAR (extrapolated) = 0.053 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.042 mW/g



**P329 LTE 2_QPSK_10M_Rear Face_2.5cm_Ch19150_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.131 mW/g

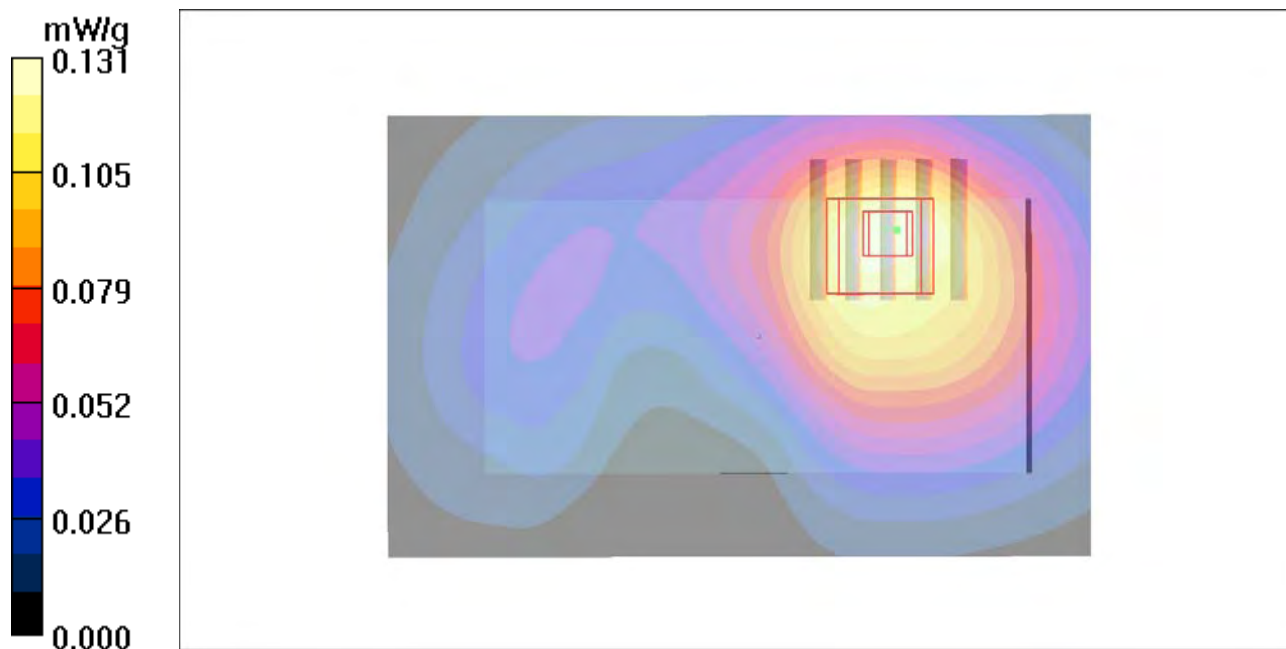
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.29 V/m; Power Drift = -0.011 dB

Peak SAR (extrapolated) = 0.157 W/kg

SAR(1 g) = 0.099 mW/g; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



**P330 LTE 2_QPSK_10M_Front Face_2.5cm_Ch19150_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

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

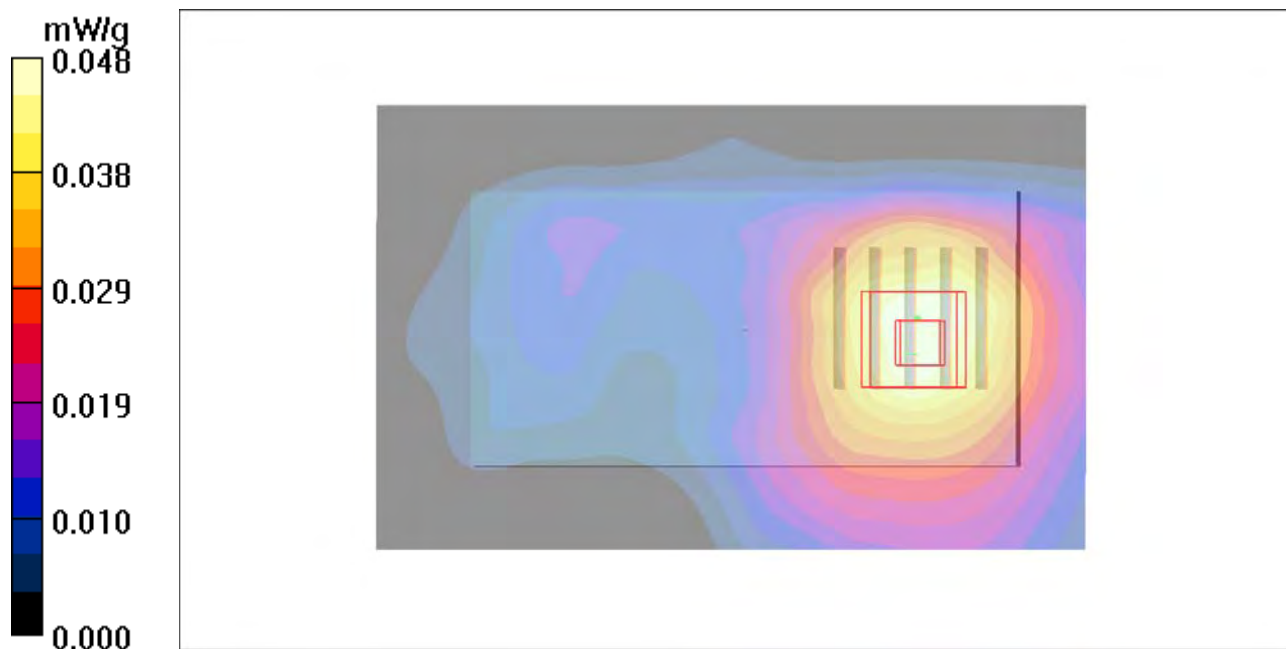
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.81 V/m; Power Drift = 0.128 dB

Peak SAR (extrapolated) = 0.061 W/kg

SAR(1 g) = 0.038 mW/g; SAR(10 g) = 0.024 mW/g

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



**P331 LTE 2_QPSK_10M_Rear Face_2.5cm_Ch19150_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.181 mW/g

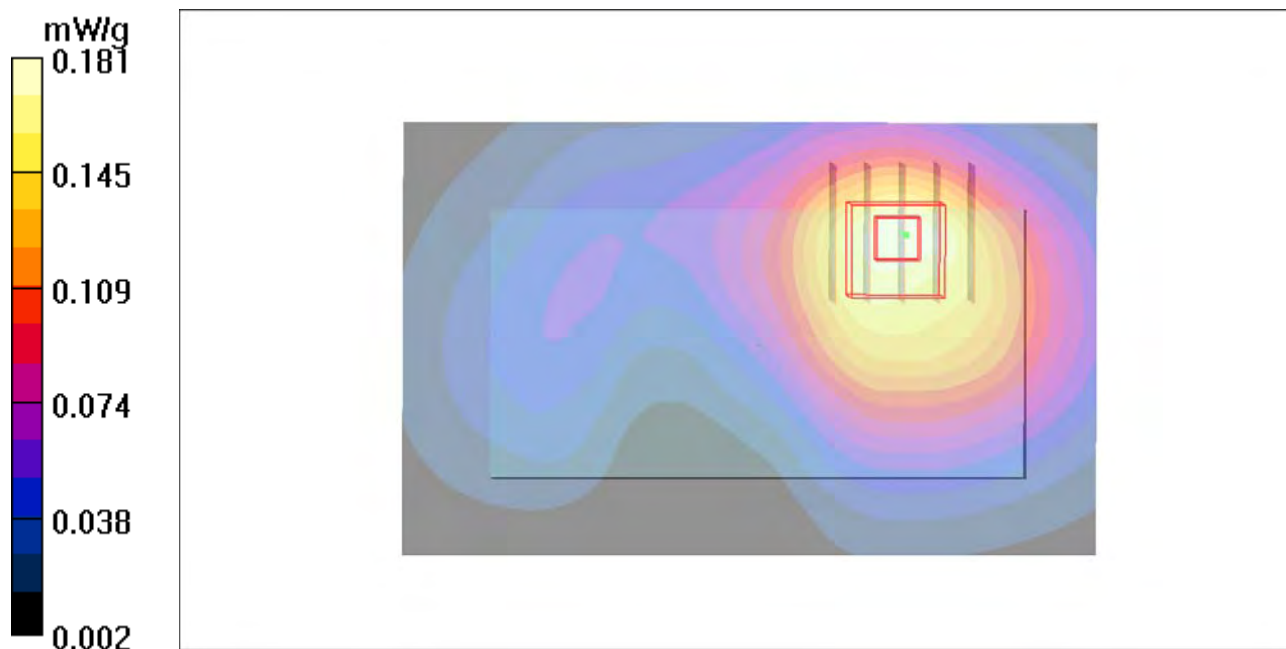
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.17 V/m; Power Drift = -0.031 dB

Peak SAR (extrapolated) = 0.209 W/kg

SAR(1 g) = 0.133 mW/g; SAR(10 g) = 0.084 mW/g

Maximum value of SAR (measured) = 0.172 mW/g



**P332 LTE 2_QPSK_10M_Front Face_2.5cm_Ch19150_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.040 mW/g

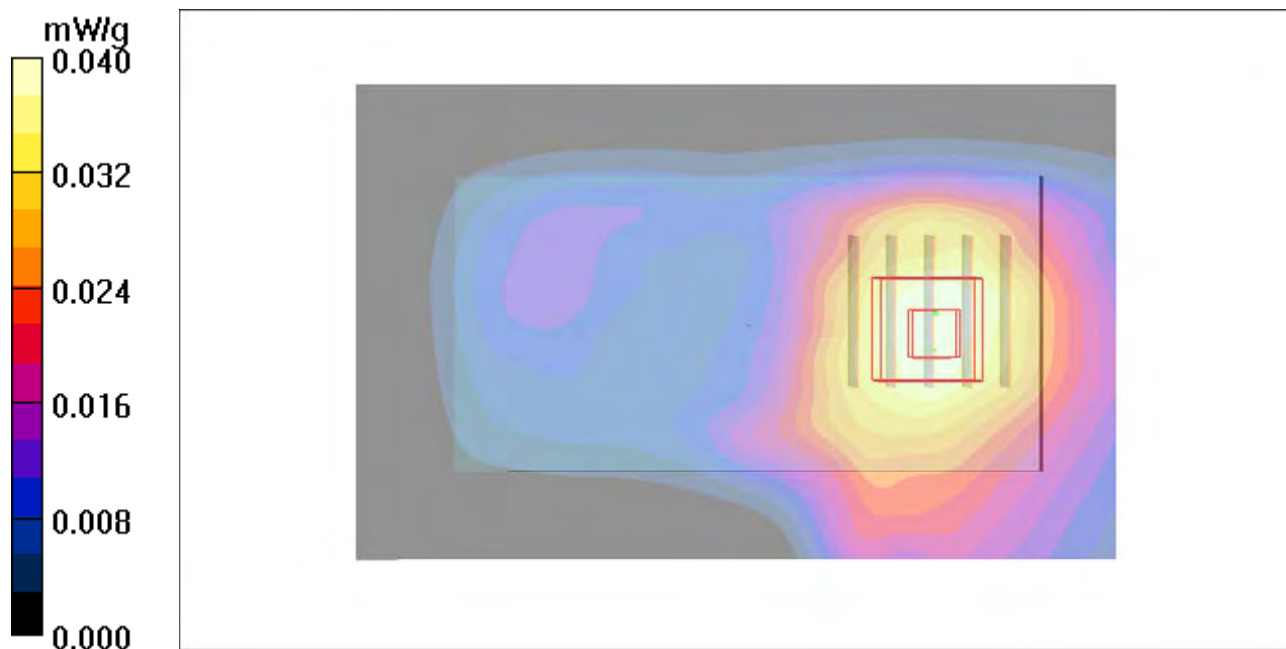
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.55 V/m; Power Drift = 0.056 dB

Peak SAR (extrapolated) = 0.051 W/kg

SAR(1 g) = 0.032 mW/g; SAR(10 g) = 0.020 mW/g

Maximum value of SAR (measured) = 0.041 mW/g



**P333 LTE 2_QPSK_10M_Rear Face_2.5cm_Ch19150_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.166 mW/g

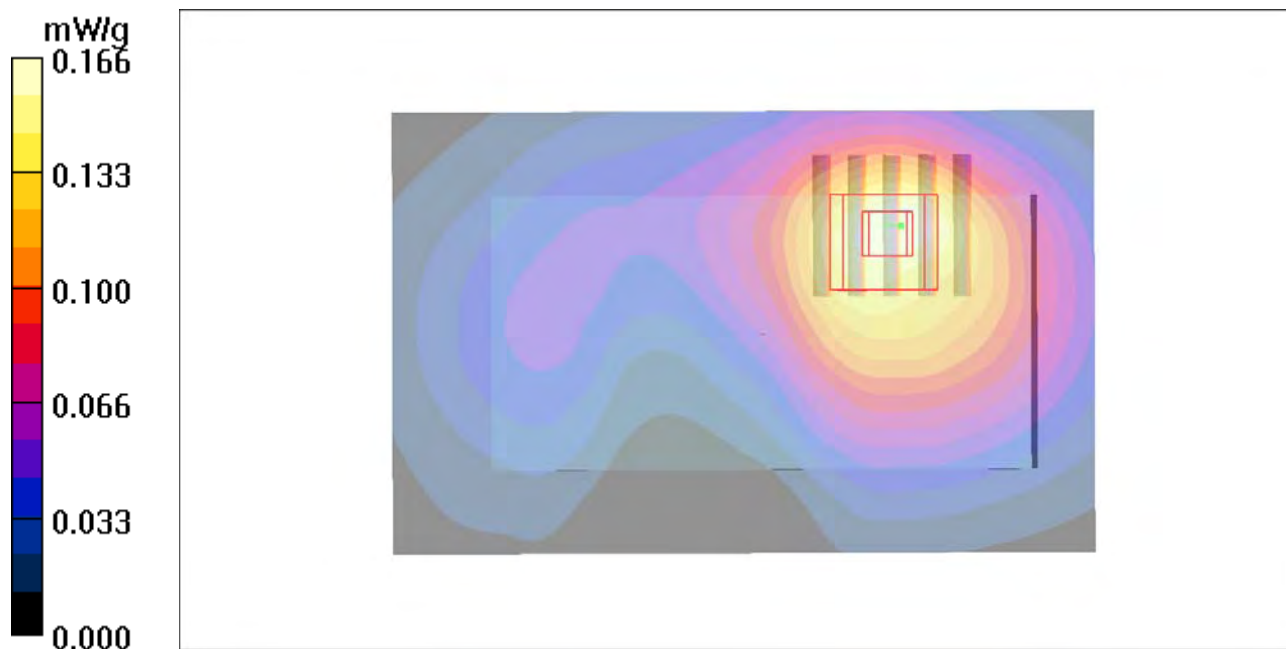
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.83 V/m; Power Drift = 0.091 dB

Peak SAR (extrapolated) = 0.195 W/kg

SAR(1 g) = 0.124 mW/g; SAR(10 g) = 0.078 mW/g

Maximum value of SAR (measured) = 0.161 mW/g



P1123 LTE 2_16QAM_10M_Front Face_2.5cm_Ch19150_25RB_Offset 12**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.0209 W/kg

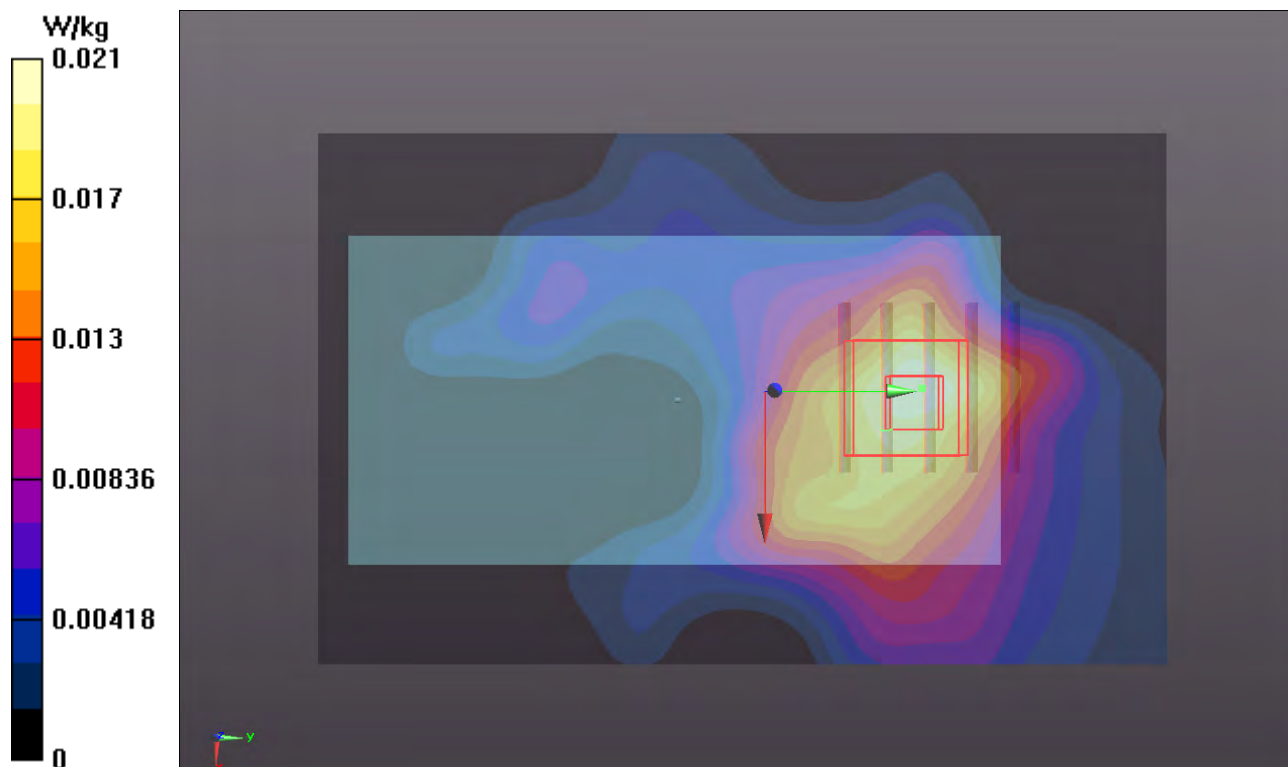
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.495 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.022 mW/g

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.0083 mW/g

Maximum value of SAR (measured) = 0.0181 W/kg



**P334 LTE 2_16QAM_10M_Rear Face_2.5cm_Ch19150_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.100 mW/g

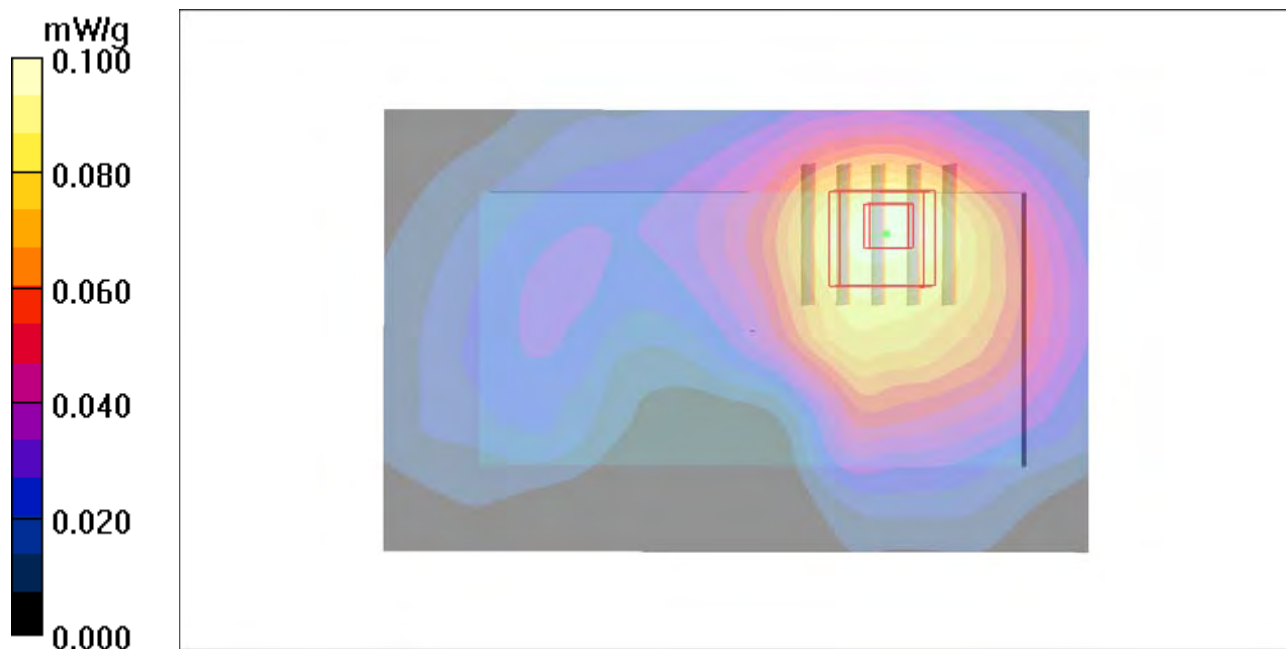
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.48 V/m; Power Drift = 0.071 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.076 mW/g; SAR(10 g) = 0.047 mW/g

Maximum value of SAR (measured) = 0.099 mW/g



P1124 LTE 2_16QAM_10M_Front Face_2.5cm_Ch19150_1RB_Offset 0**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.0249 W/kg

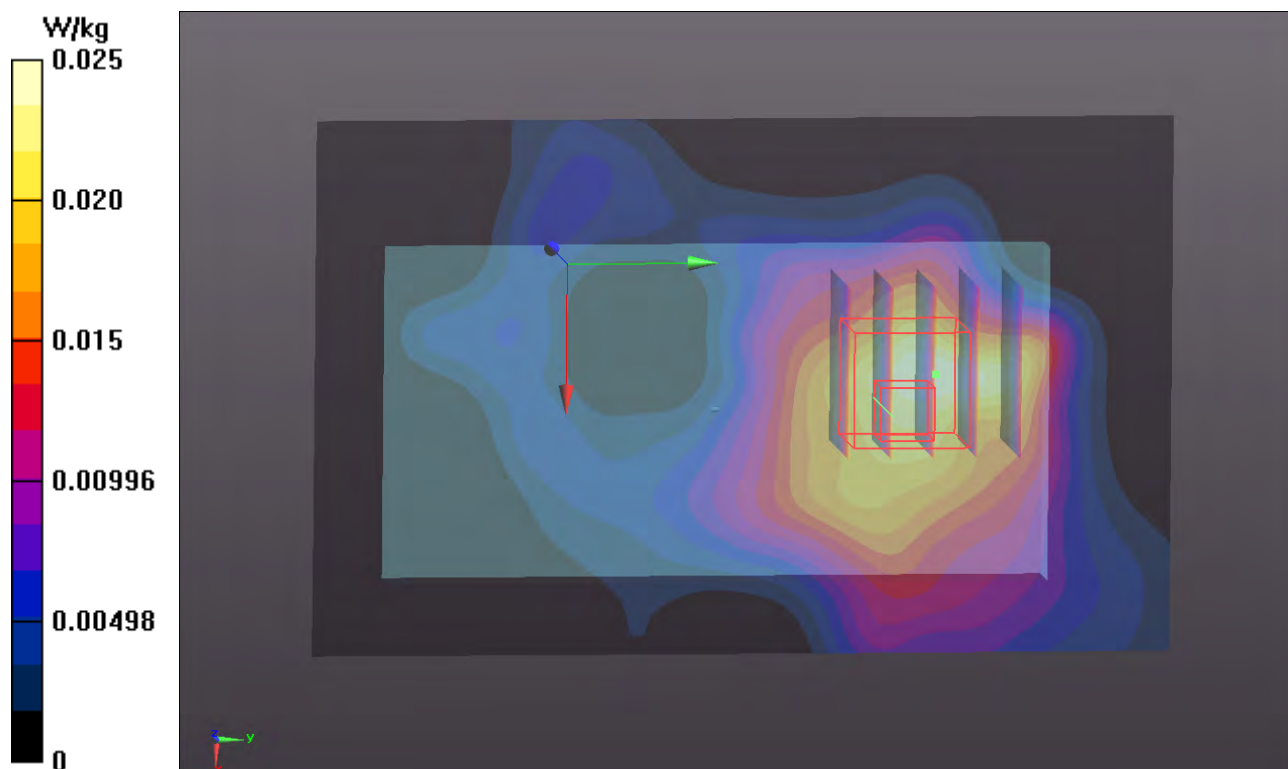
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.770 V/m; Power Drift = 0.055 dB

Peak SAR (extrapolated) = 0.026 mW/g

SAR(1 g) = 0.016 mW/g; SAR(10 g) = 0.00988 mW/g

Maximum value of SAR (measured) = 0.0215 W/kg



**P335 LTE 2_16QAM_10M_Rear Face_2.5cm_Ch19150_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.141 mW/g

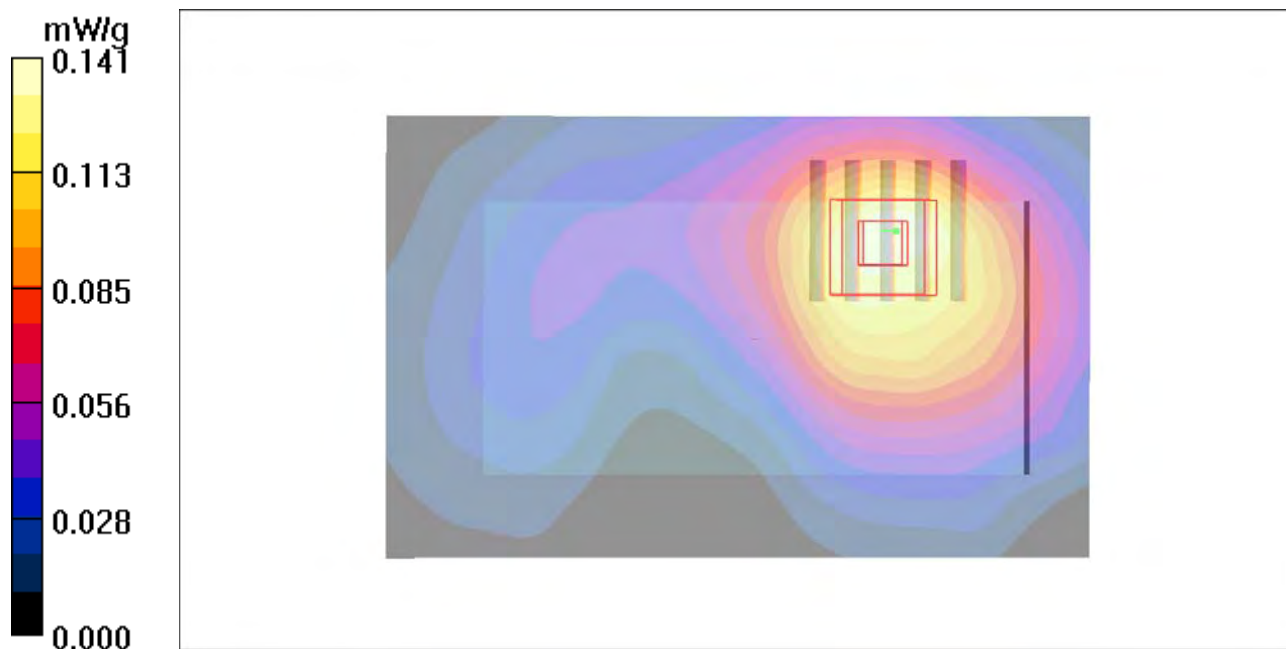
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.46 V/m; Power Drift = 0.143 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.109 mW/g; SAR(10 g) = 0.068 mW/g

Maximum value of SAR (measured) = 0.141 mW/g



P1125 LTE 2_16QAM_10M_Front Face_2.5cm_Ch19150_1RB_Offset 49**DUT: 120822C31**

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

Medium: B1900_1018 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.551$ mho/m; $\epsilon_r = 52.982$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.0228 W/kg

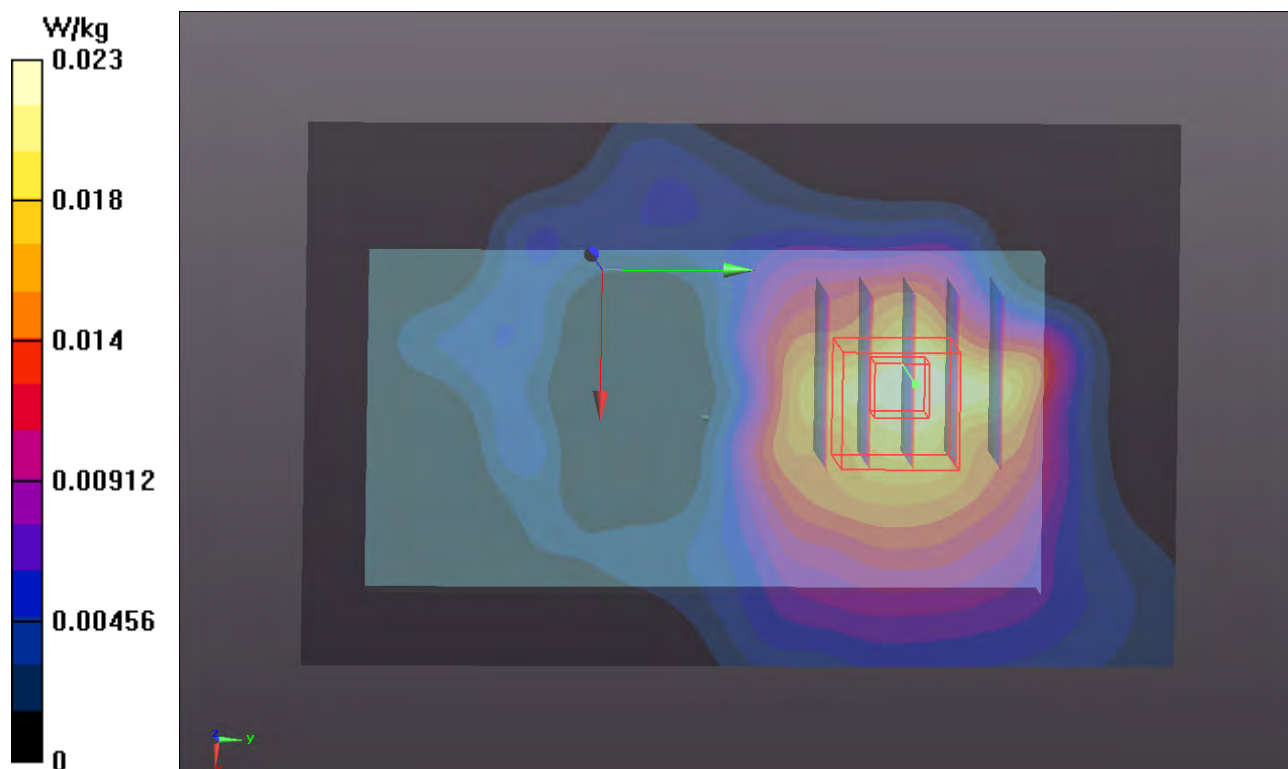
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.650 V/m; Power Drift = 0.033 dB

Peak SAR (extrapolated) = 0.023 mW/g

SAR(1 g) = 0.014 mW/g; SAR(10 g) = 0.00889 mW/g

Maximum value of SAR (measured) = 0.0191 W/kg



**P336 LTE 2_16QAM_10M_Rear Face_2.5cm_Ch19150_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

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

Medium: B1900_0905 Medium parameters used: $f = 1905$ MHz; $\sigma = 1.55$ mho/m; $\epsilon_r = 52.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

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

Maximum value of SAR (interpolated) = 0.159 mW/g

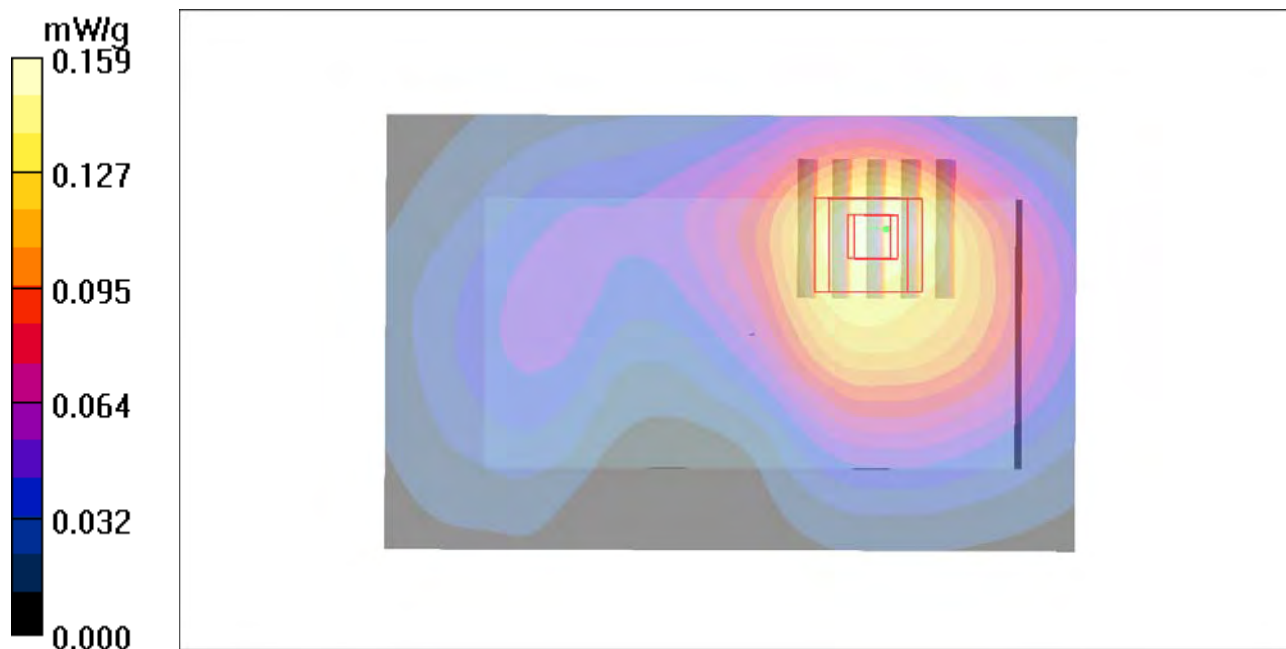
Ch19150/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.73 V/m; Power Drift = 0.160 dB

Peak SAR (extrapolated) = 0.188 W/kg

SAR(1 g) = 0.119 mW/g; SAR(10 g) = 0.075 mW/g

Maximum value of SAR (measured) = 0.155 mW/g



P377 LTE 4_QPSK_10M_Front Face_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

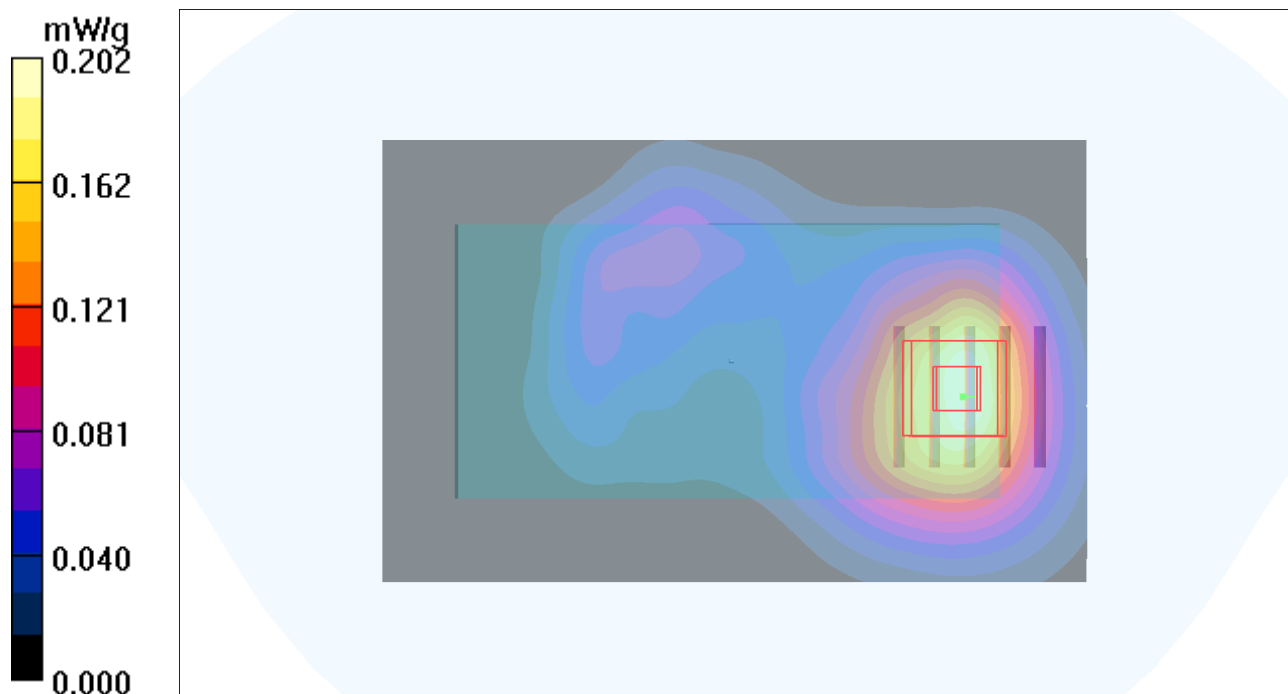
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.68 V/m; Power Drift = 0.129 dB

Peak SAR (extrapolated) = 0.224 W/kg

SAR(1 g) = 0.151 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.190 mW/g



P378 LTE 4_QPSK_10M_Rear Face_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.788 mW/g

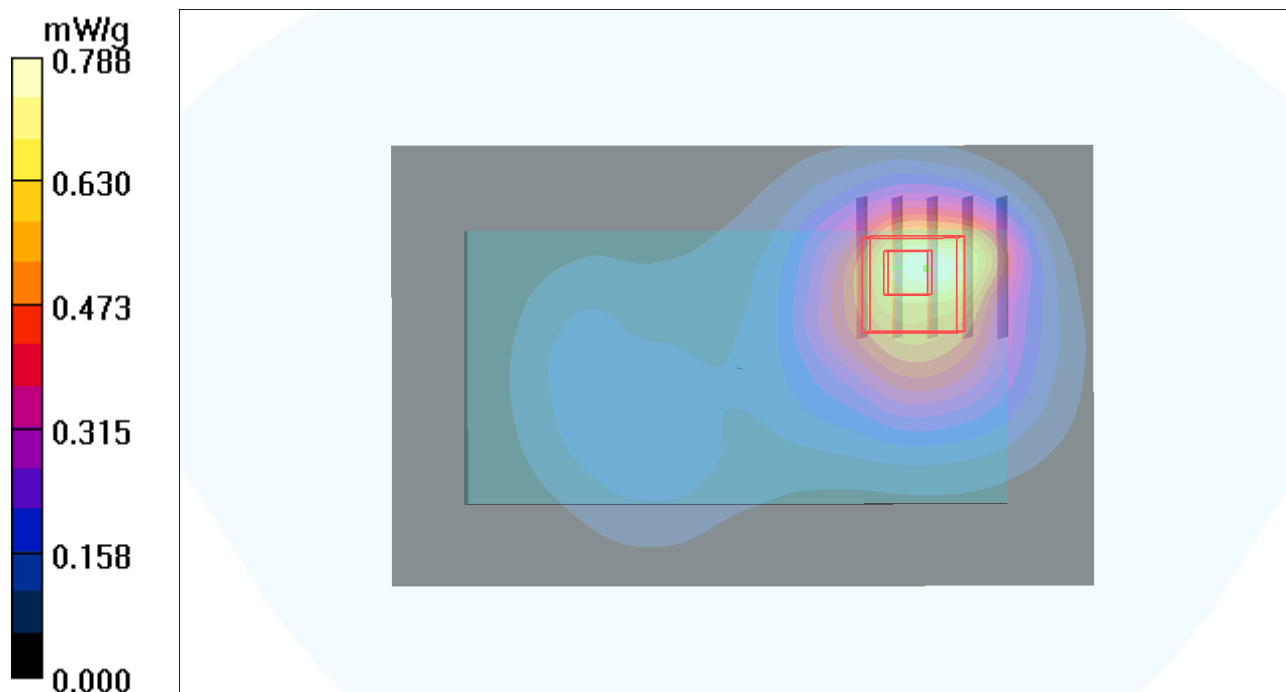
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.65 V/m; Power Drift = 0.183 dB

Peak SAR (extrapolated) = 0.848 W/kg

SAR(1 g) = 0.562 mW/g; SAR(10 g) = 0.351 mW/g

Maximum value of SAR (measured) = 0.710 mW/g



P379 LTE 4_QPSK_10M_Right Side_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.135 mW/g

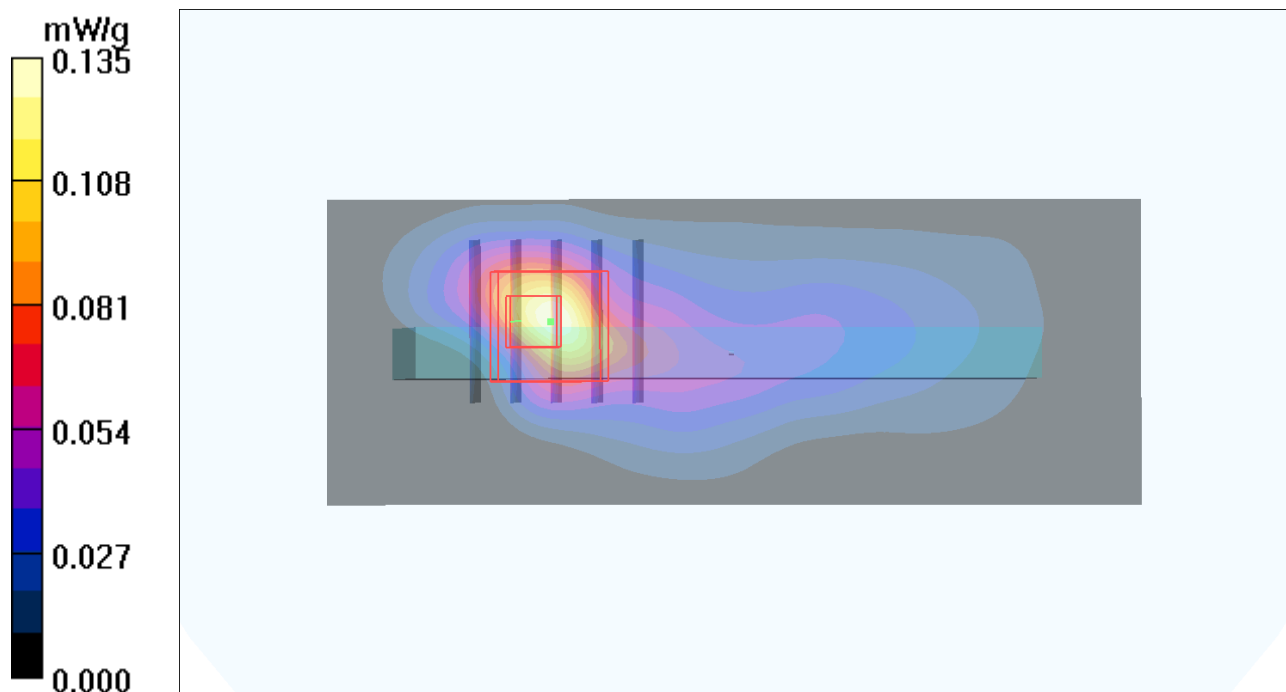
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.22 V/m; Power Drift = 0.019 dB

Peak SAR (extrapolated) = 0.177 W/kg

SAR(1 g) = 0.097 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.135 mW/g



P380 LTE 4_QPSK_10M_Top Side_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

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

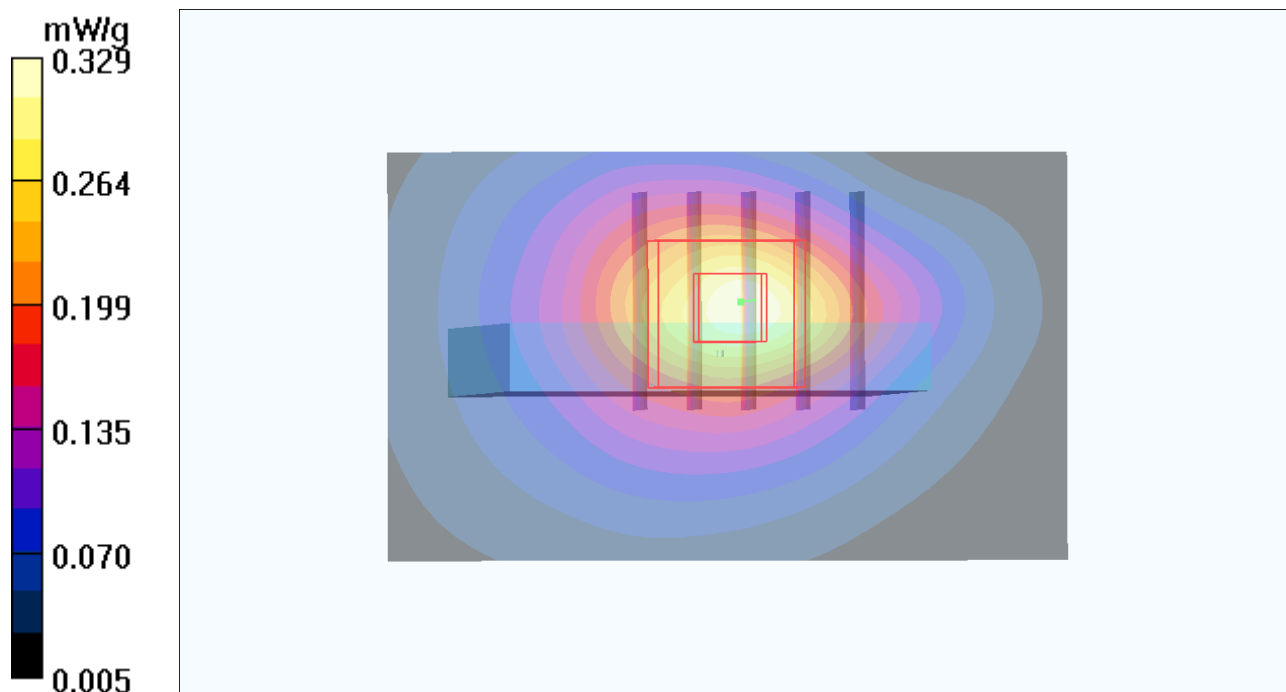
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.7 V/m; Power Drift = -0.017 dB

Peak SAR (extrapolated) = 0.358 W/kg

SAR(1 g) = 0.232 mW/g; SAR(10 g) = 0.139 mW/g

Maximum value of SAR (measured) = 0.300 mW/g



P381 LTE 4_QPSK_10M_Front Face_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

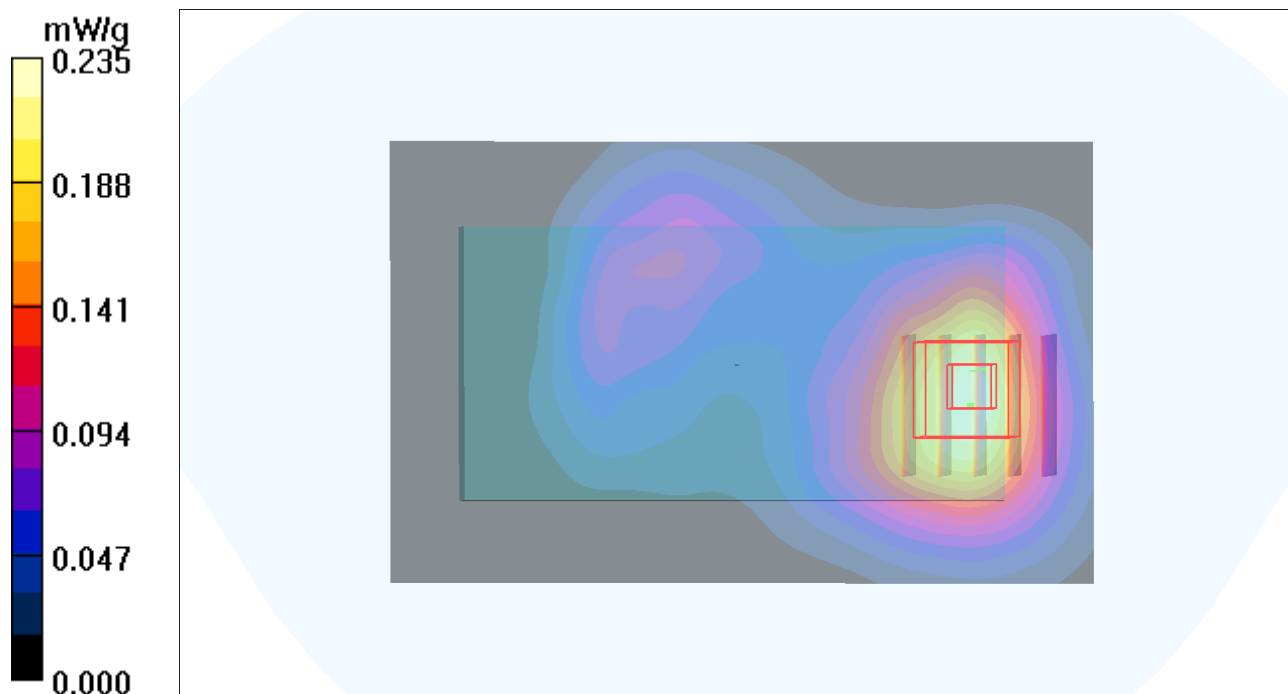
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.18 V/m; Power Drift = 0.126 dB

Peak SAR (extrapolated) = 0.404 W/kg

SAR(1 g) = 0.275 mW/g; SAR(10 g) = 0.176 mW/g

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



P382 LTE 4_QPSK_10M_Rear Face_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

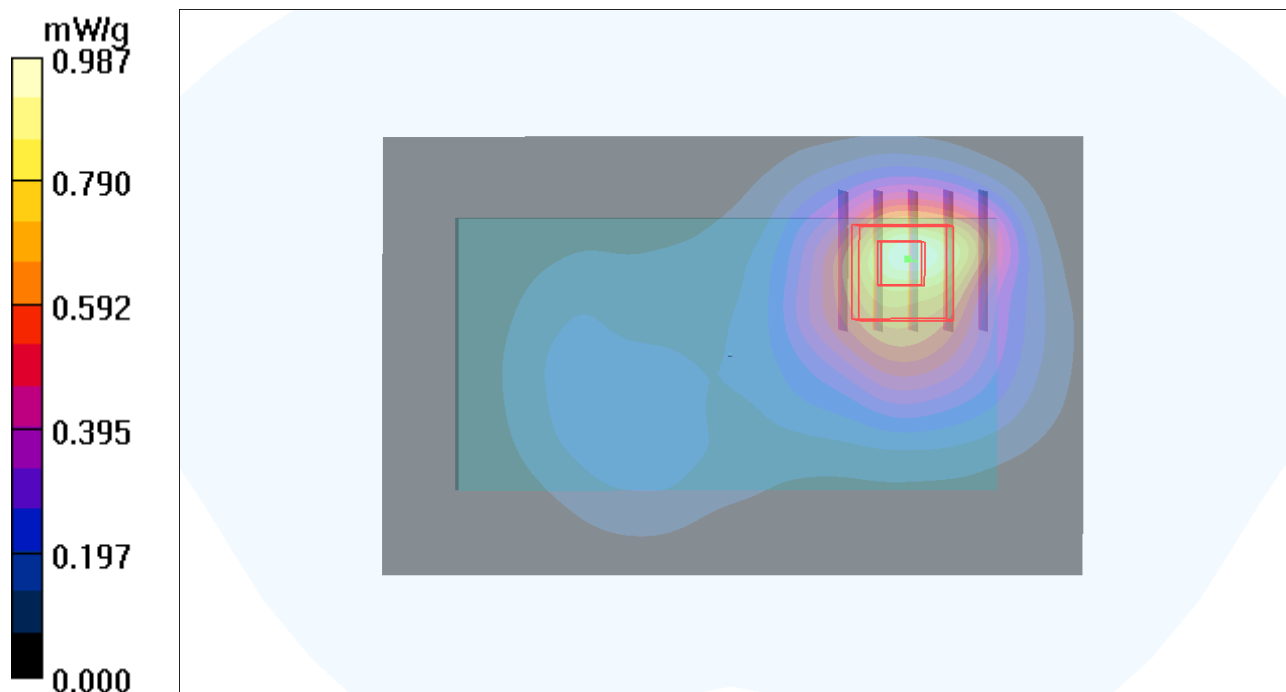
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.88 V/m; Power Drift = -0.020 dB

Peak SAR (extrapolated) = 1.06 W/kg

SAR(1 g) = 0.681 mW/g; SAR(10 g) = 0.432 mW/g

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



P383 LTE 4_QPSK_10M_Right Side_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.141 mW/g

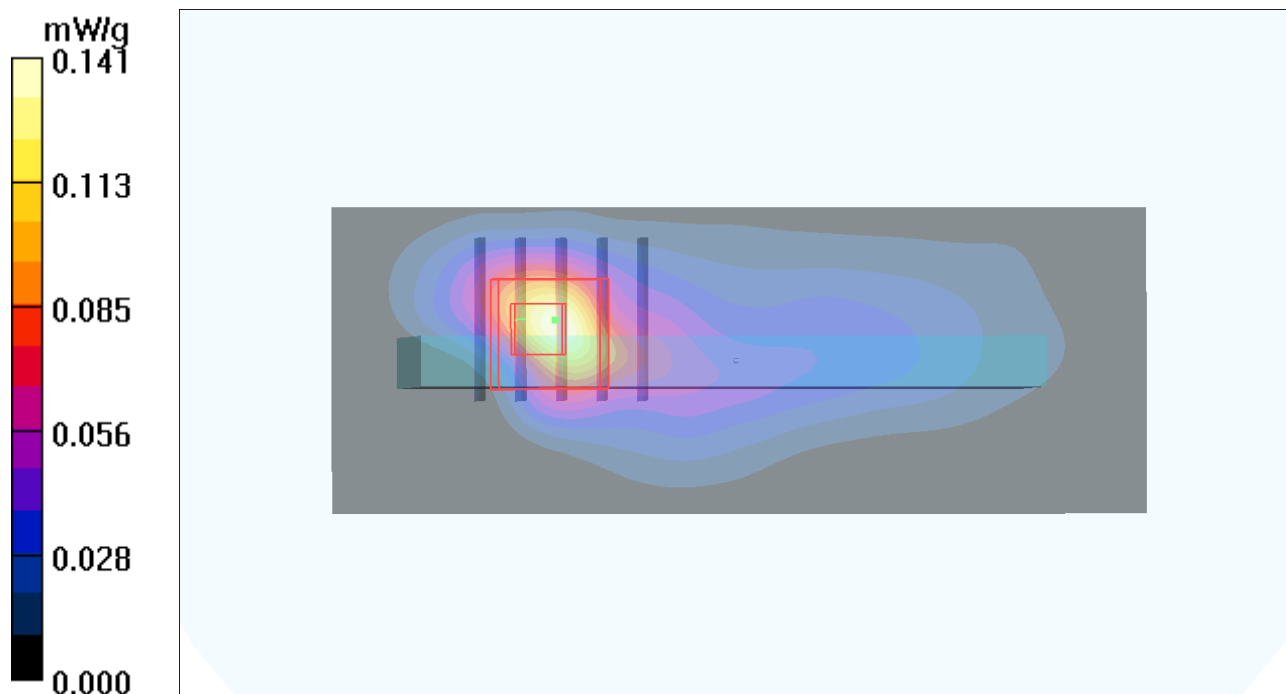
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.16 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.175 W/kg

SAR(1 g) = 0.096 mW/g; SAR(10 g) = 0.048 mW/g

Maximum value of SAR (measured) = 0.133 mW/g



P427 LTE 4_QPSK_10M_Top Side_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

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

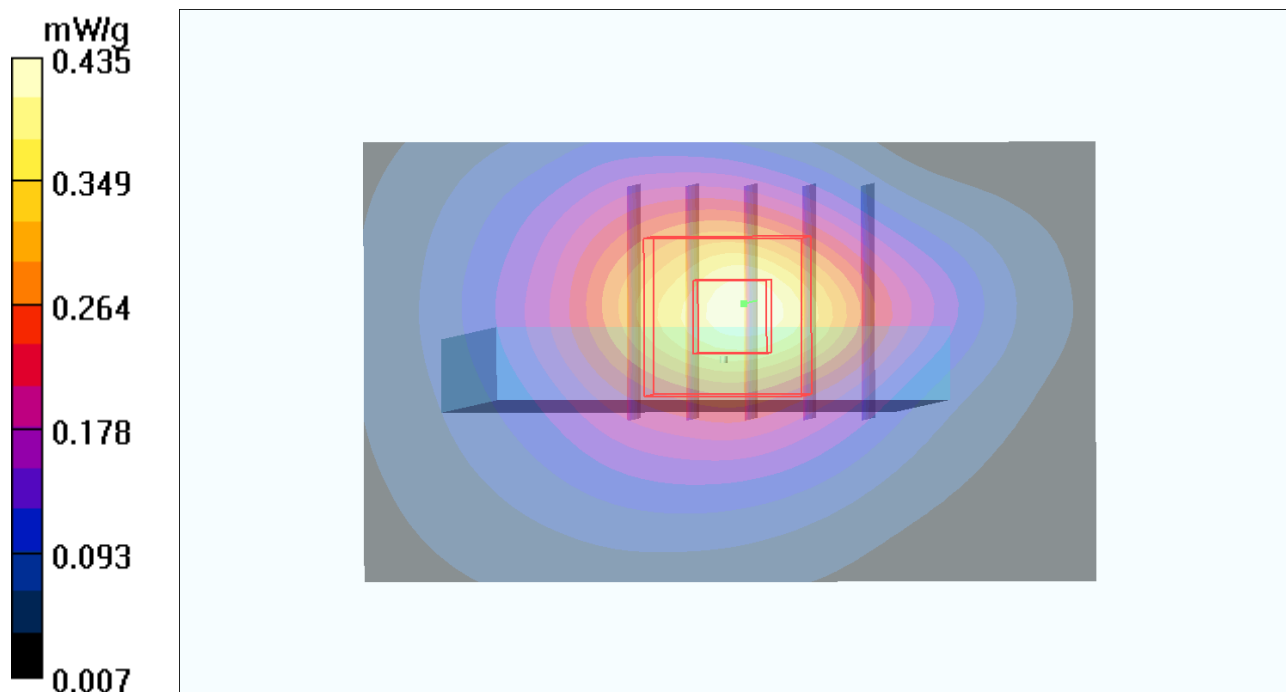
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.6 V/m; Power Drift = -0.095 dB

Peak SAR (extrapolated) = 0.472 W/kg

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.181 mW/g

Maximum value of SAR (measured) = 0.395 mW/g



P384 LTE 4_QPSK_10M_Front Face_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.418 mW/g

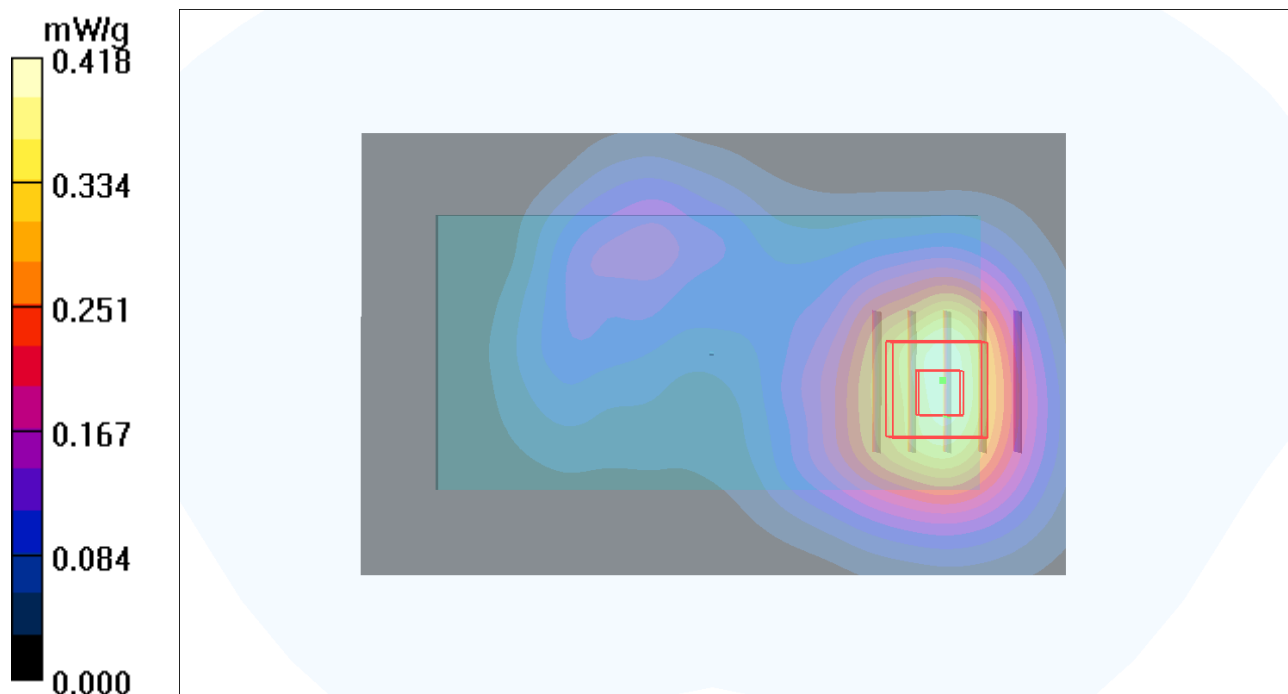
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.79 V/m; Power Drift = 0.199 dB

Peak SAR (extrapolated) = 0.477 W/kg

SAR(1 g) = 0.321 mW/g; SAR(10 g) = 0.206 mW/g

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



P386 LTE 4_QPSK_10M_Rear Face_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 1.08 mW/g

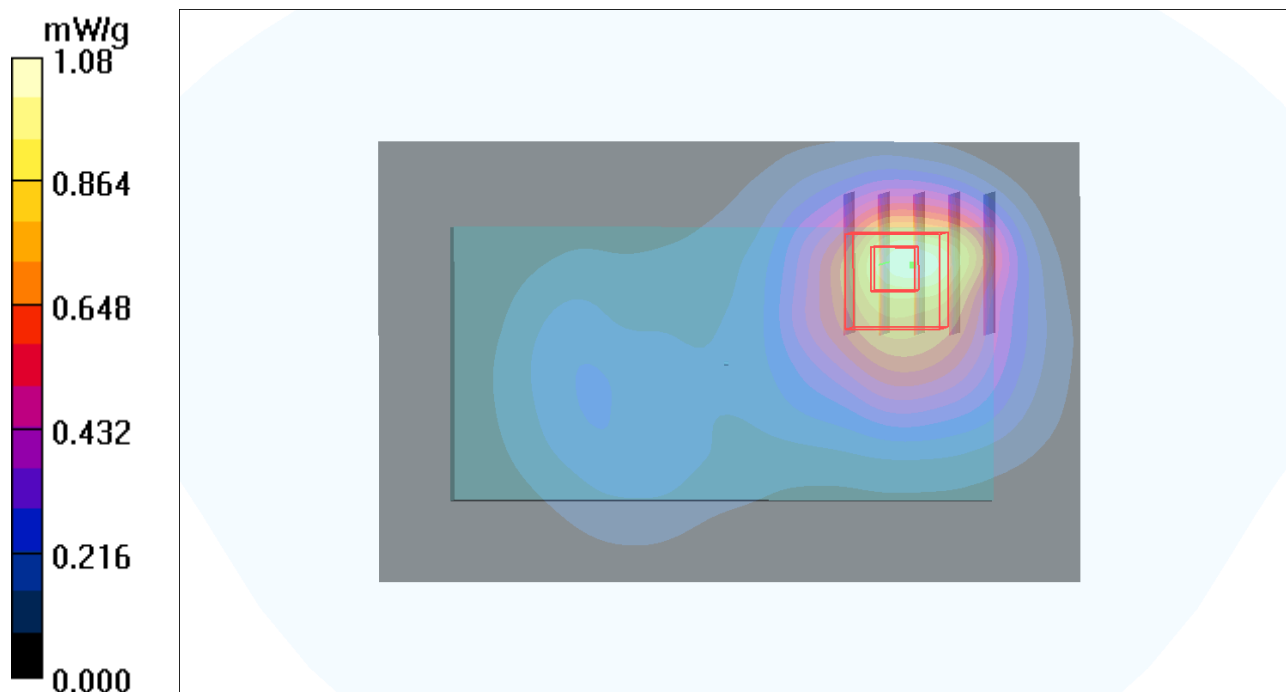
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.3 V/m; Power Drift = -0.075 dB

Peak SAR (extrapolated) = 1.14 W/kg

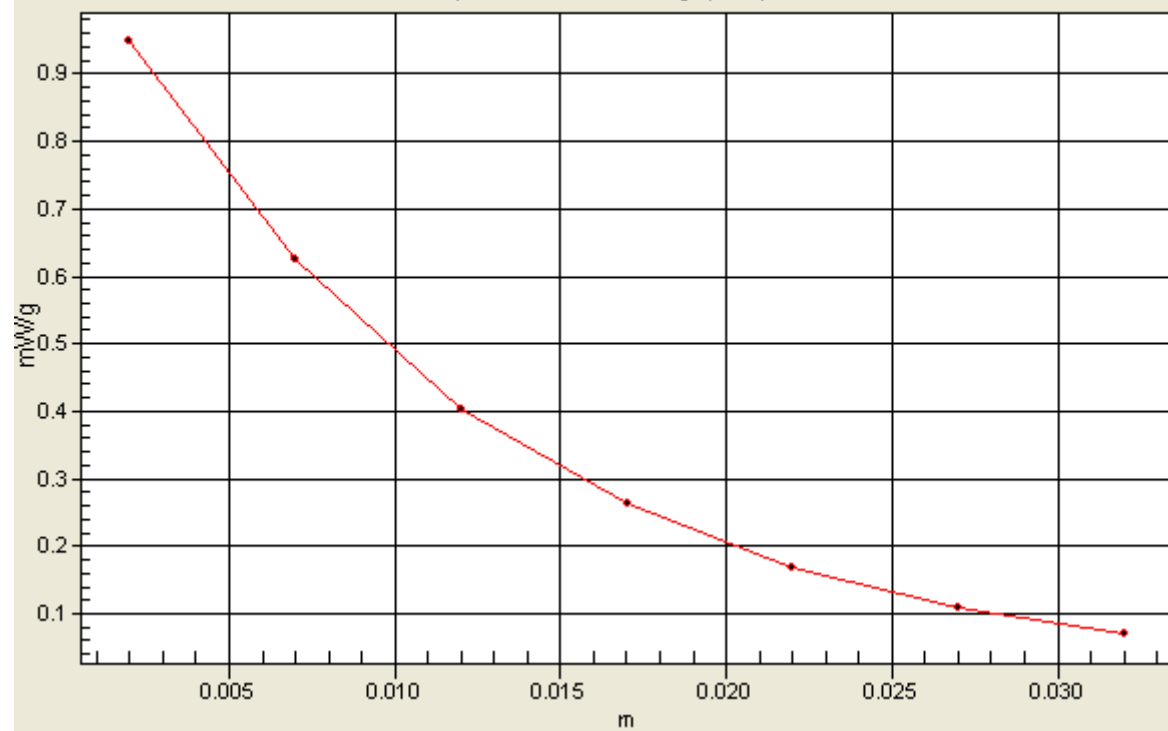
SAR(1 g) = 0.752 mW/g; SAR(10 g) = 0.471 mW/g

Maximum value of SAR (measured) = 0.948 mW/g



1g/10g Averaged SAR

SAR; Zoom Scan: Value Along Z, X=2, Y=1



P385 LTE 4_QPSK_10M_Right Side_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.150 mW/g

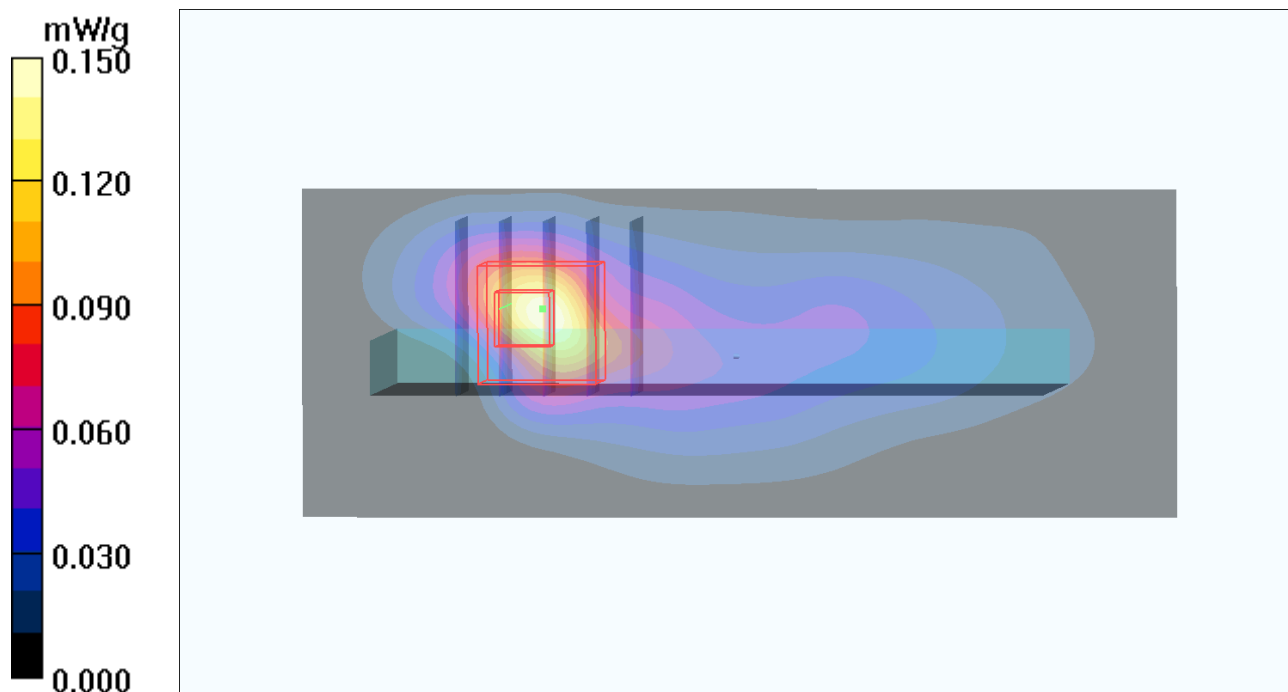
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.56 V/m; Power Drift = 0.003 dB

Peak SAR (extrapolated) = 0.187 W/kg

SAR(1 g) = 0.103 mW/g; SAR(10 g) = 0.052 mW/g

Maximum value of SAR (measured) = 0.141 mW/g



P387 LTE 4_QPSK_10M_Top Side_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$

kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

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

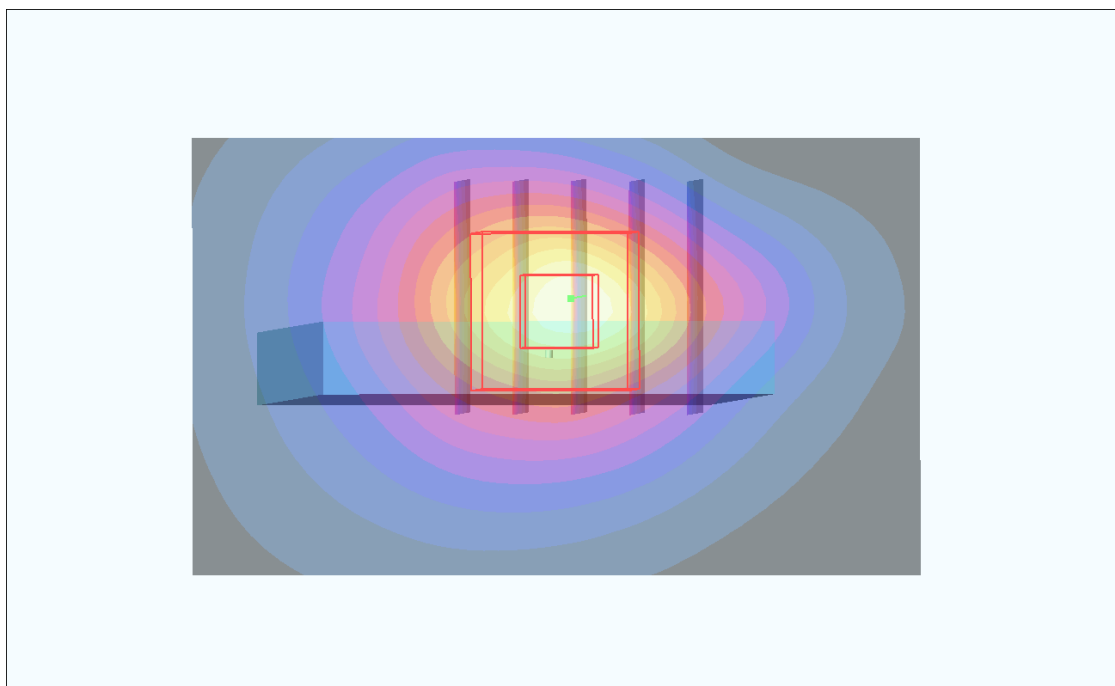
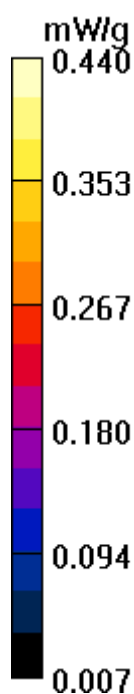
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.5 V/m; Power Drift = 0.144 dB

Peak SAR (extrapolated) = 0.485 W/kg

SAR(1 g) = 0.314 mW/g; SAR(10 g) = 0.190 mW/g

Maximum value of SAR (measured) = 0.405 mW/g



P1101 LTE 4_16QAM_10M_Front Face_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.230 W/kg

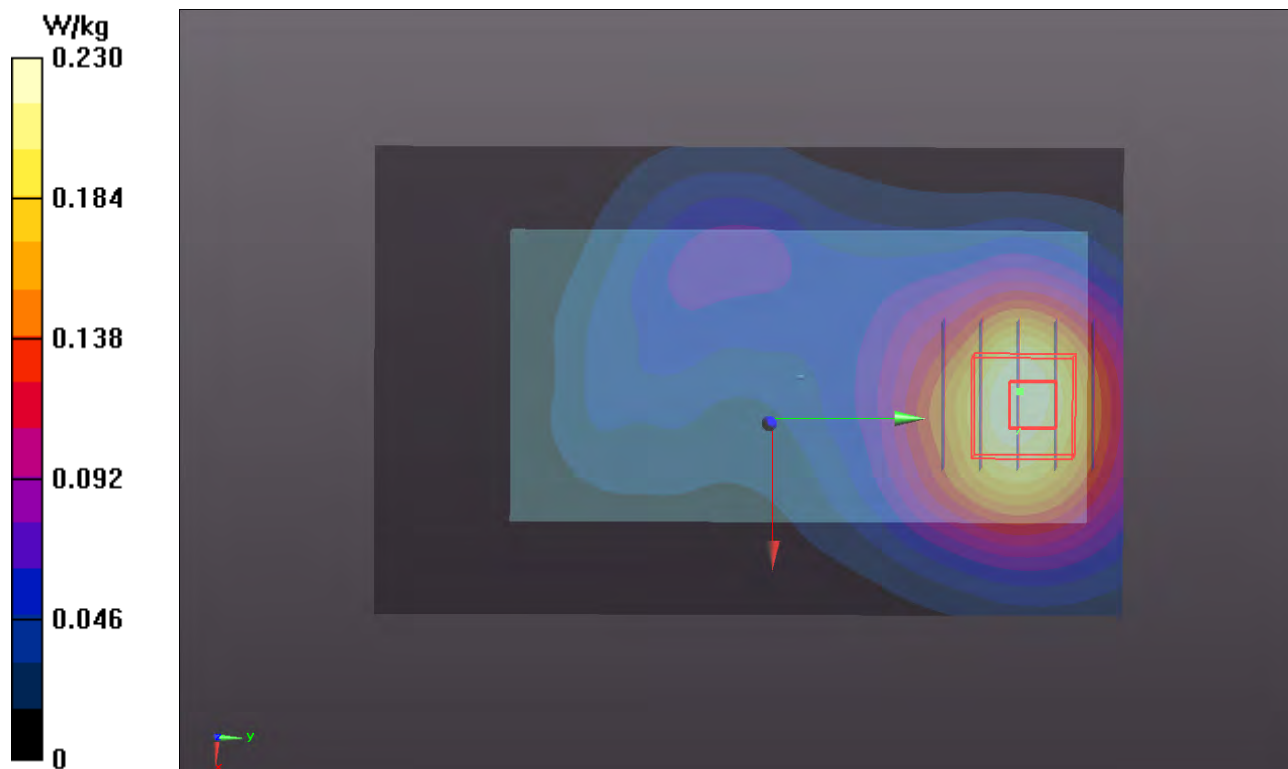
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.514 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.272 mW/g

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.120 mW/g

Maximum value of SAR (measured) = 0.224 W/kg



P388 LTE 4_16QAM_10M_Rear Face_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.639 mW/g

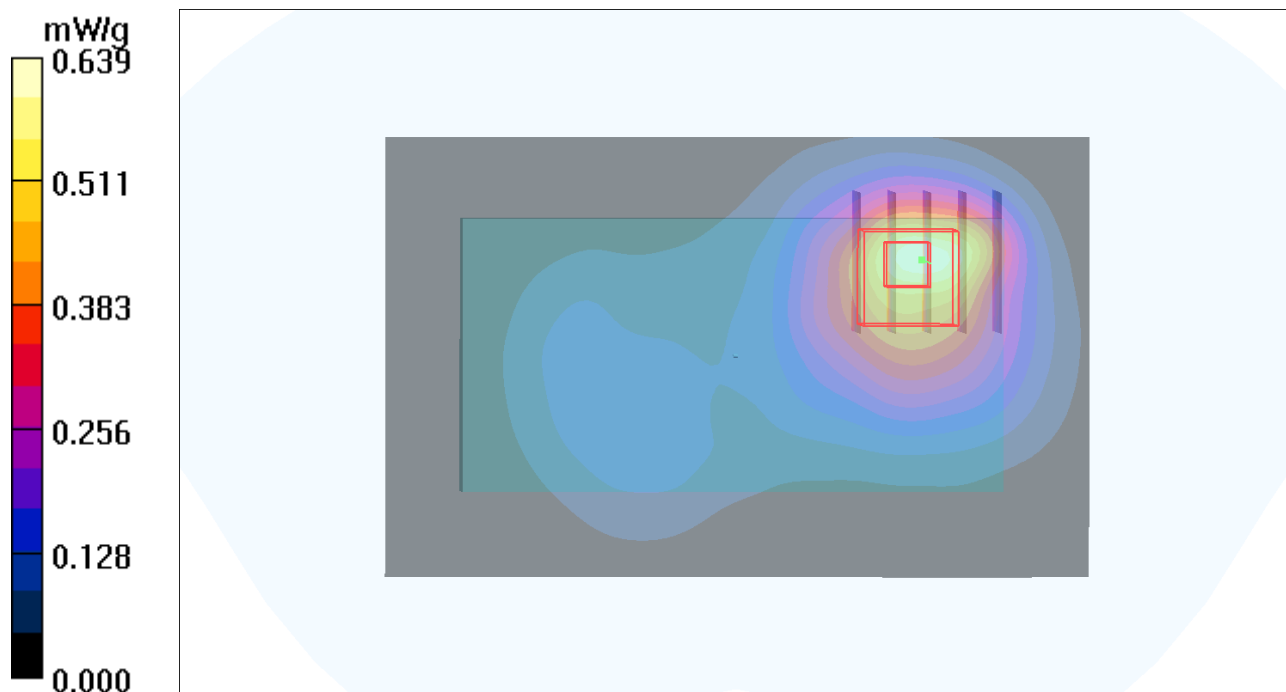
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.79 V/m; Power Drift = -0.072 dB

Peak SAR (extrapolated) = 0.668 W/kg

SAR(1 g) = 0.433 mW/g; SAR(10 g) = 0.272 mW/g

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



P1102 LTE 4_16QAM_10M_Right Side_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.172 W/kg

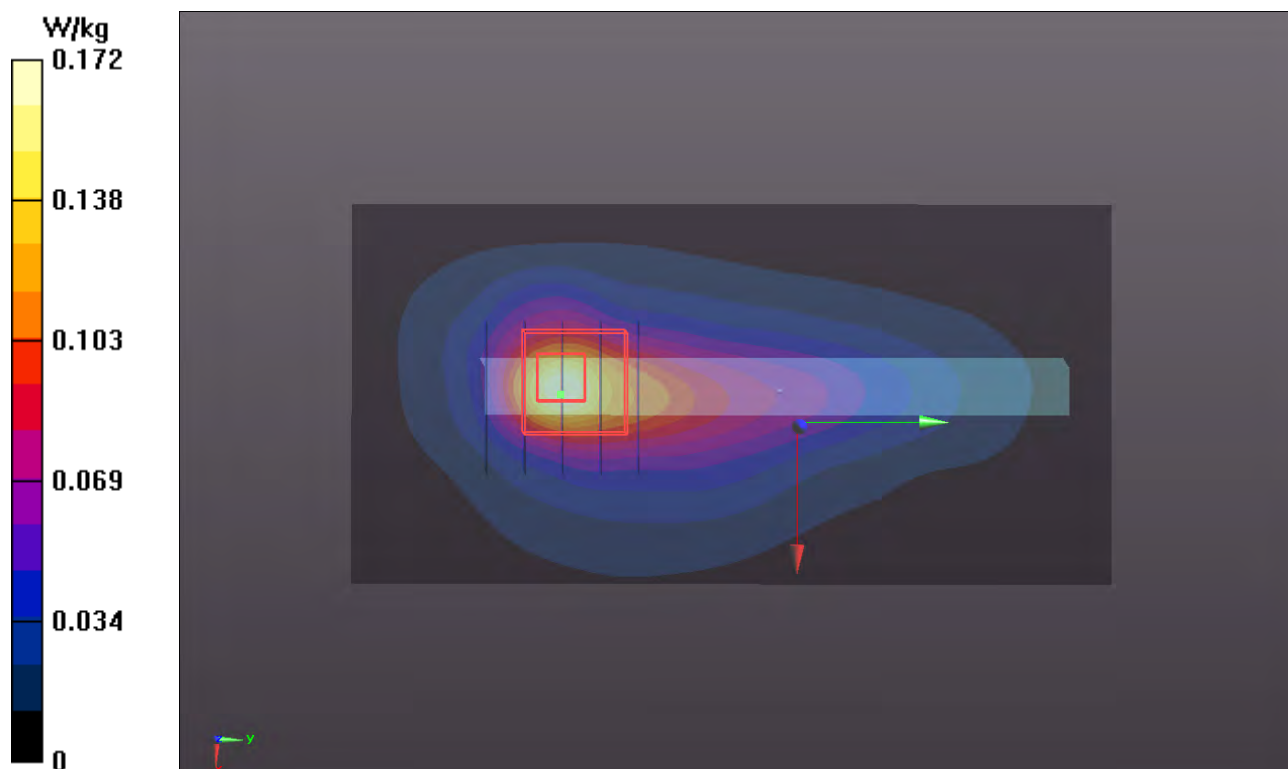
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.108 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.221 mW/g

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.067 mW/g

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



P1103 LTE 4_16QAM_10M_Top Side_1cm_Ch20000_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

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

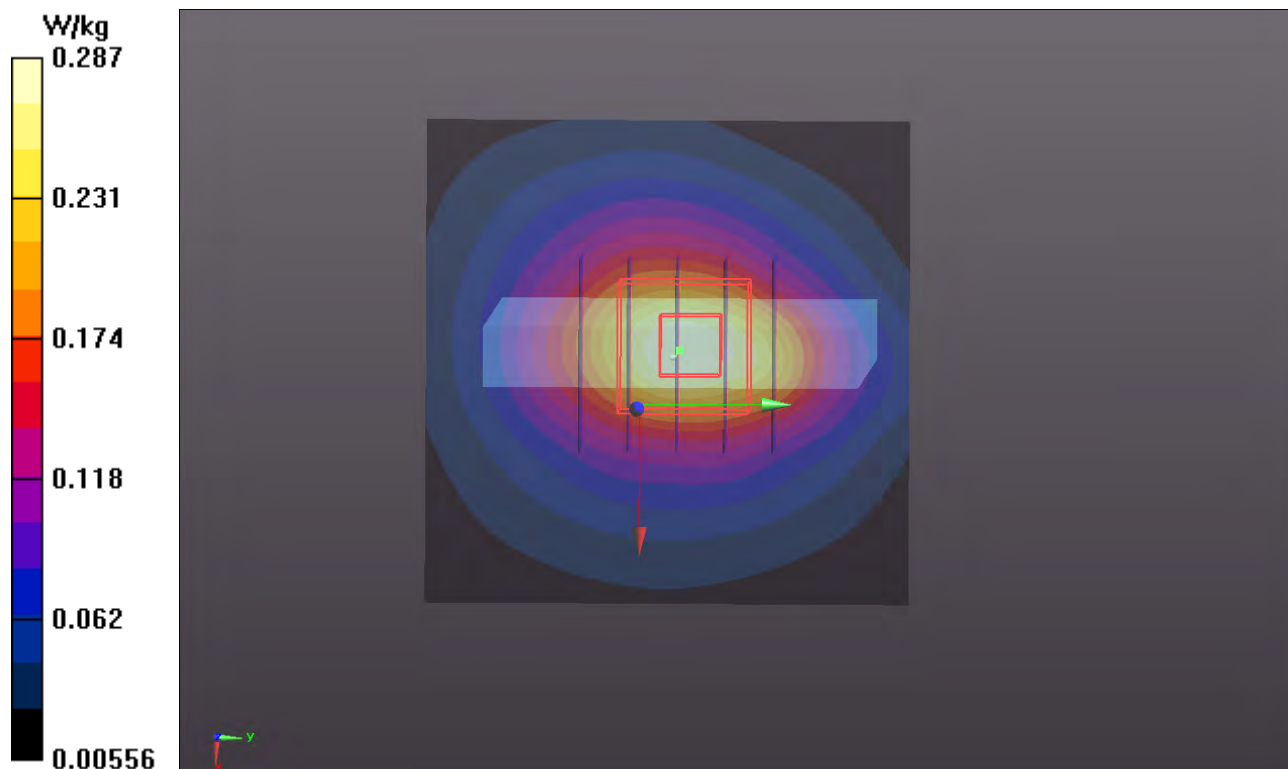
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.328 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.347 mW/g

SAR(1 g) = 0.226 mW/g; SAR(10 g) = 0.137 mW/g

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



P1104 LTE 4_16QAM_10M_Front Face_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.243 W/kg

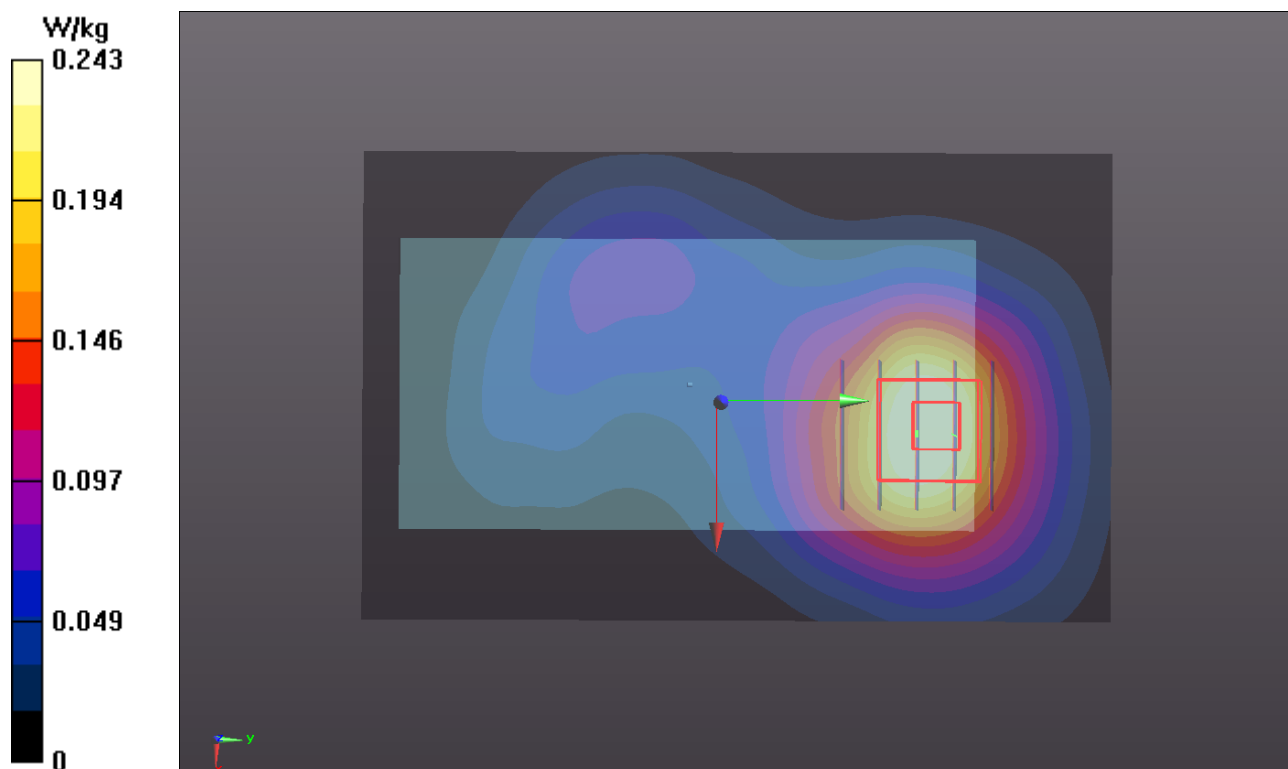
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.467 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.291 mW/g

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.129 mW/g

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



P389 LTE 4_16QAM_10M_Rear Face_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.771 mW/g

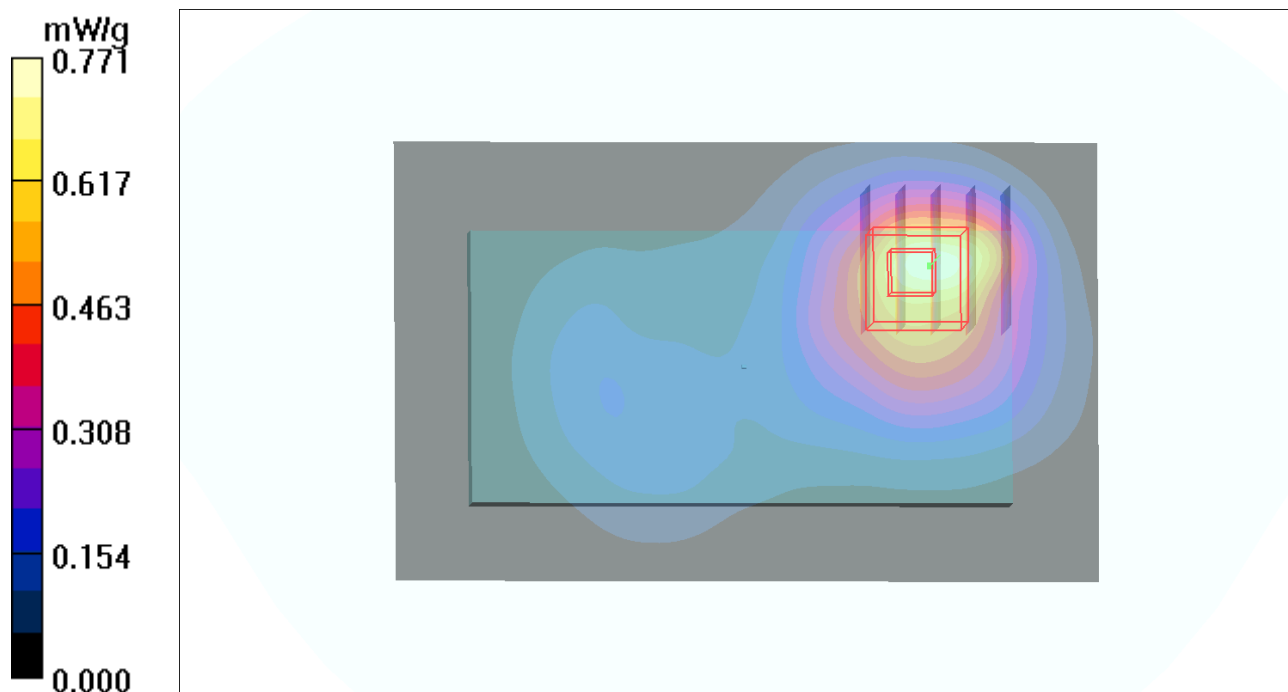
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.74 V/m; Power Drift = -0.154 dB

Peak SAR (extrapolated) = 0.859 W/kg

SAR(1 g) = 0.560 mW/g; SAR(10 g) = 0.345 mW/g

Maximum value of SAR (measured) = 0.714 mW/g



P1105 LTE 4_16QAM_10M_Right Side_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.172 W/kg

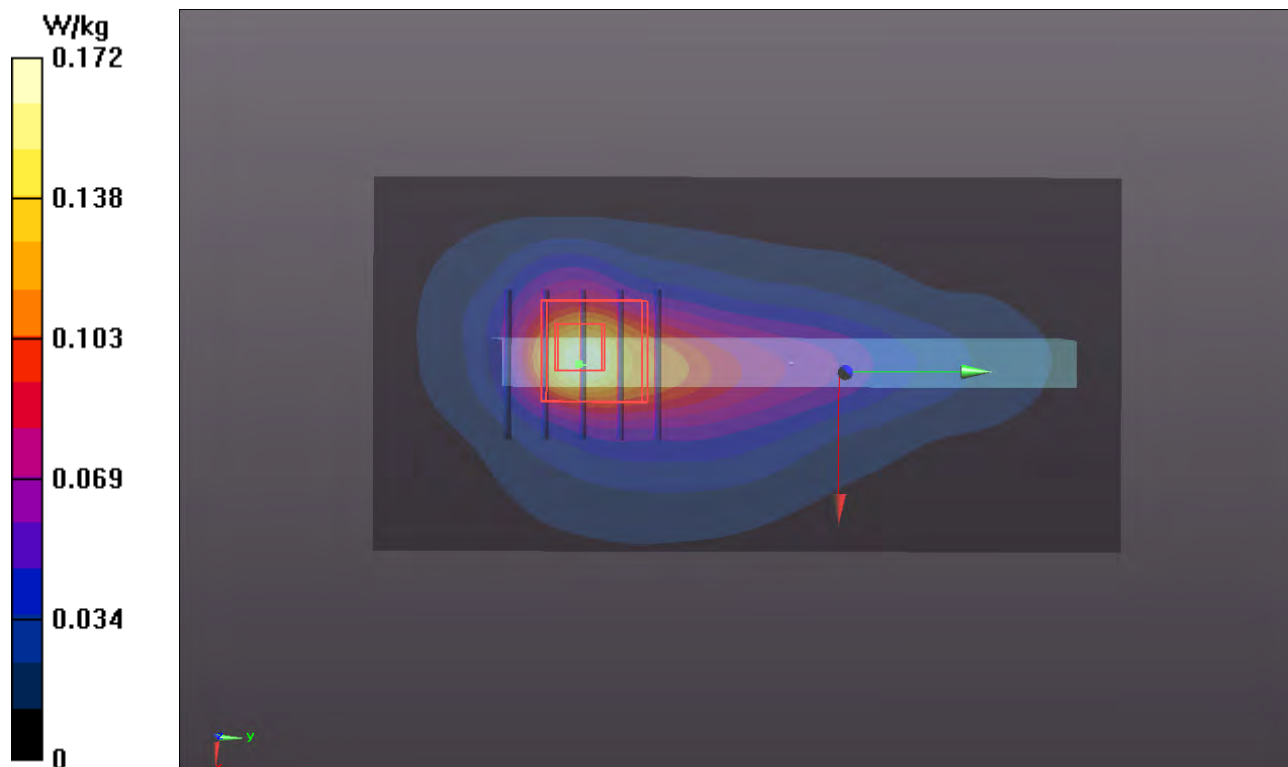
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.157 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.226 mW/g

SAR(1 g) = 0.128 mW/g; SAR(10 g) = 0.069 mW/g

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



P1106 LTE 4_16QAM_10M_Top Side_1cm_Ch20000_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

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

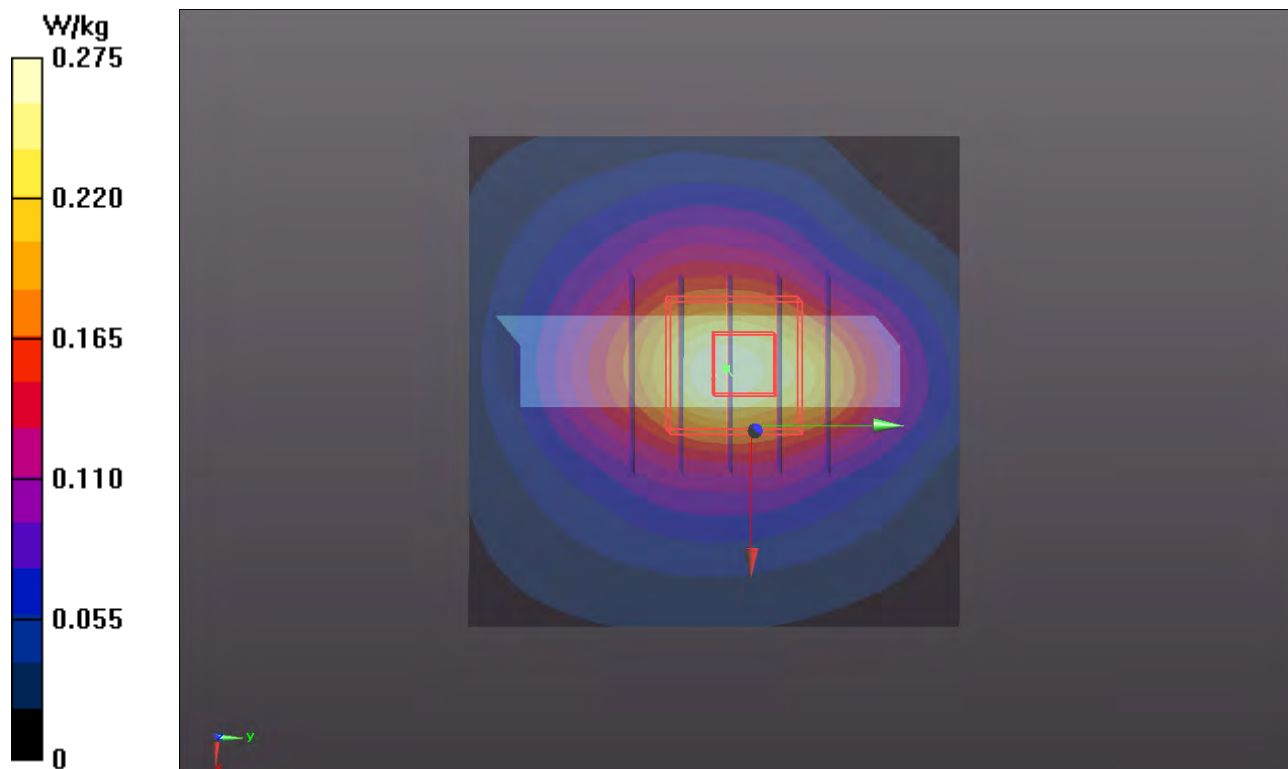
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.666 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.338 mW/g

SAR(1 g) = 0.222 mW/g; SAR(10 g) = 0.135 mW/g

Maximum value of SAR (measured) = 0.284 W/kg



P1107 LTE 4_16QAM_10M_Front Face_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.256 W/kg

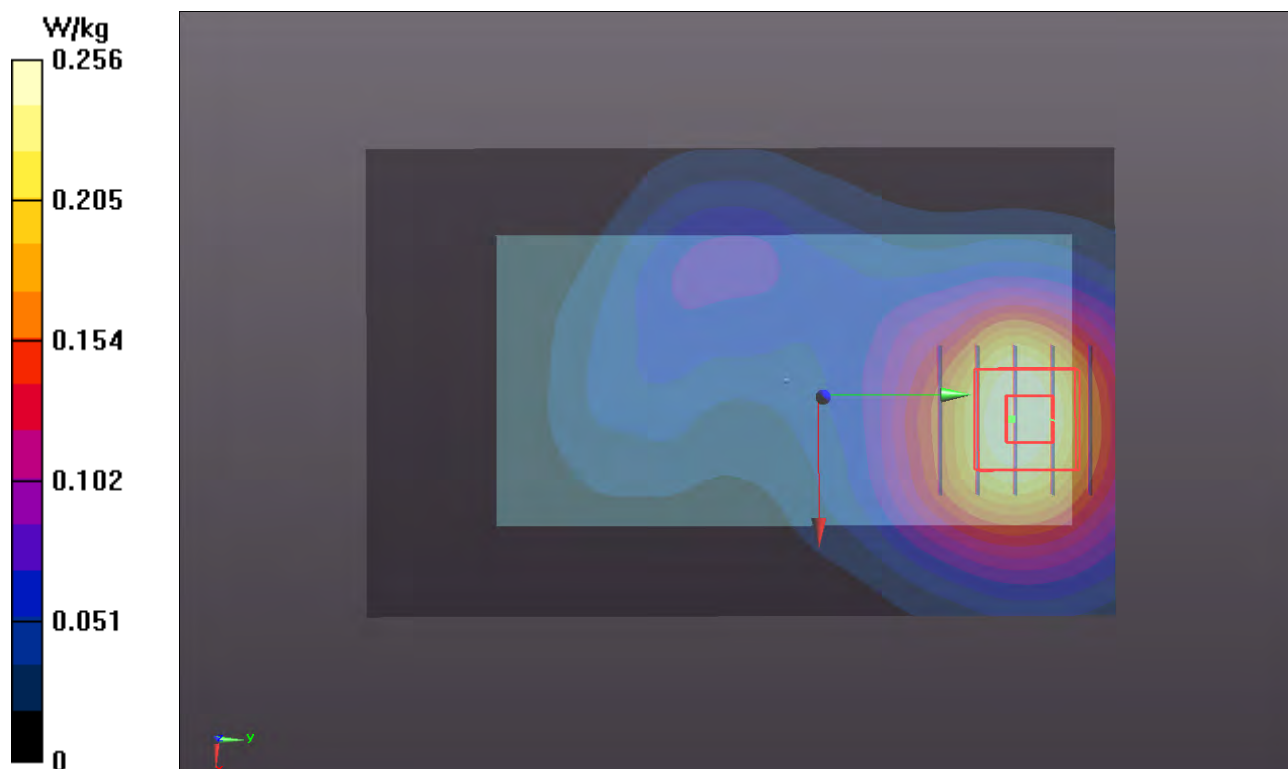
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.546 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.296 mW/g

SAR(1 g) = 0.202 mW/g; SAR(10 g) = 0.130 mW/g

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



P390 LTE 4_16QAM_10M_Rear Face_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE band 4; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0920 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.49$ mho/m; $\epsilon_r = 54.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.5 °C; Liquid Temperature : 21.3 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); 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 1654
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.822 mW/g

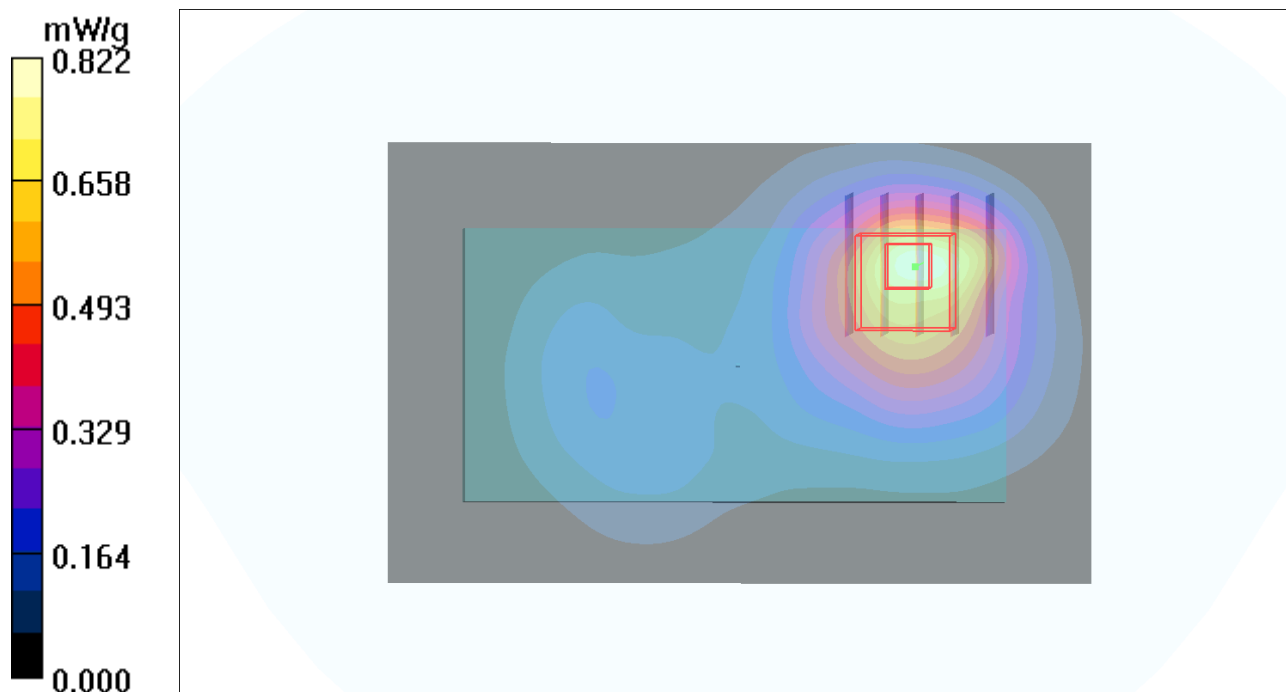
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.94 V/m; Power Drift = 0.106 dB

Peak SAR (extrapolated) = 0.886 W/kg

SAR(1 g) = 0.580 mW/g; SAR(10 g) = 0.359 mW/g

Maximum value of SAR (measured) = 0.750 mW/g



P1108 LTE 4_16QAM_10M_Right Side_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (41x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.177 W/kg

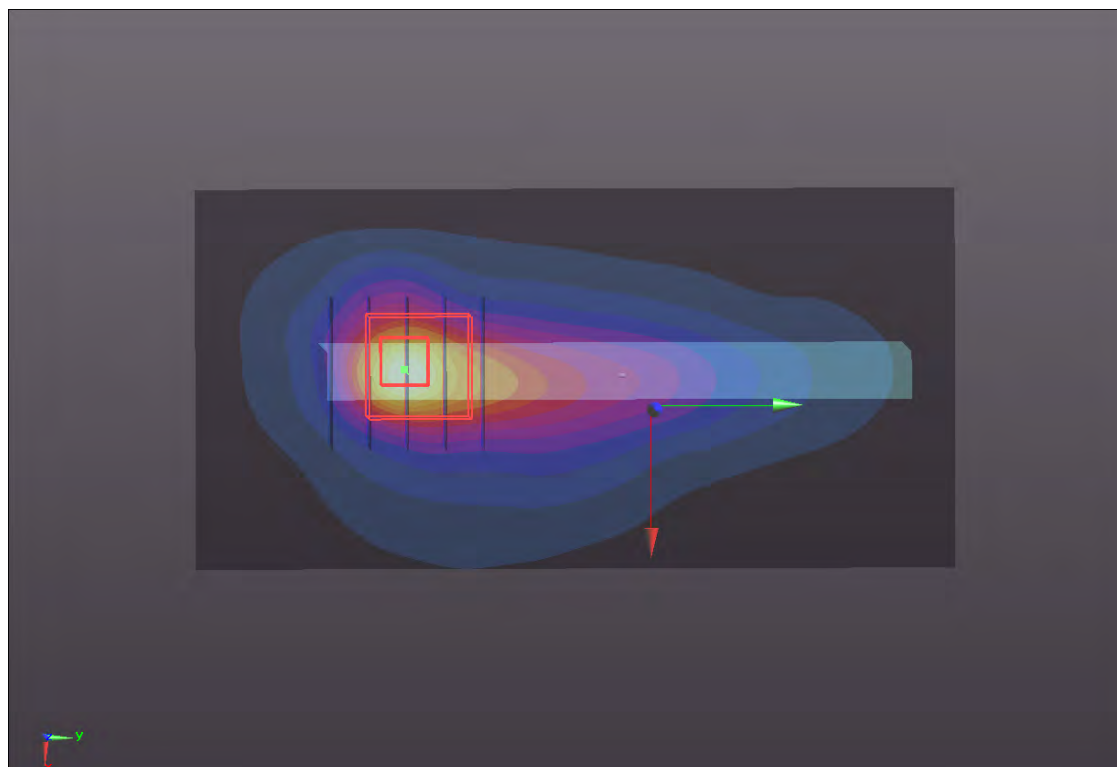
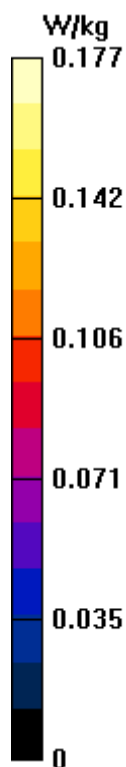
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.404 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.235 mW/g

SAR(1 g) = 0.132 mW/g; SAR(10 g) = 0.071 mW/g

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



P1109 LTE 4_16QAM_10M_Top Side_1cm_Ch20000_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (41x41x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.293 W/kg

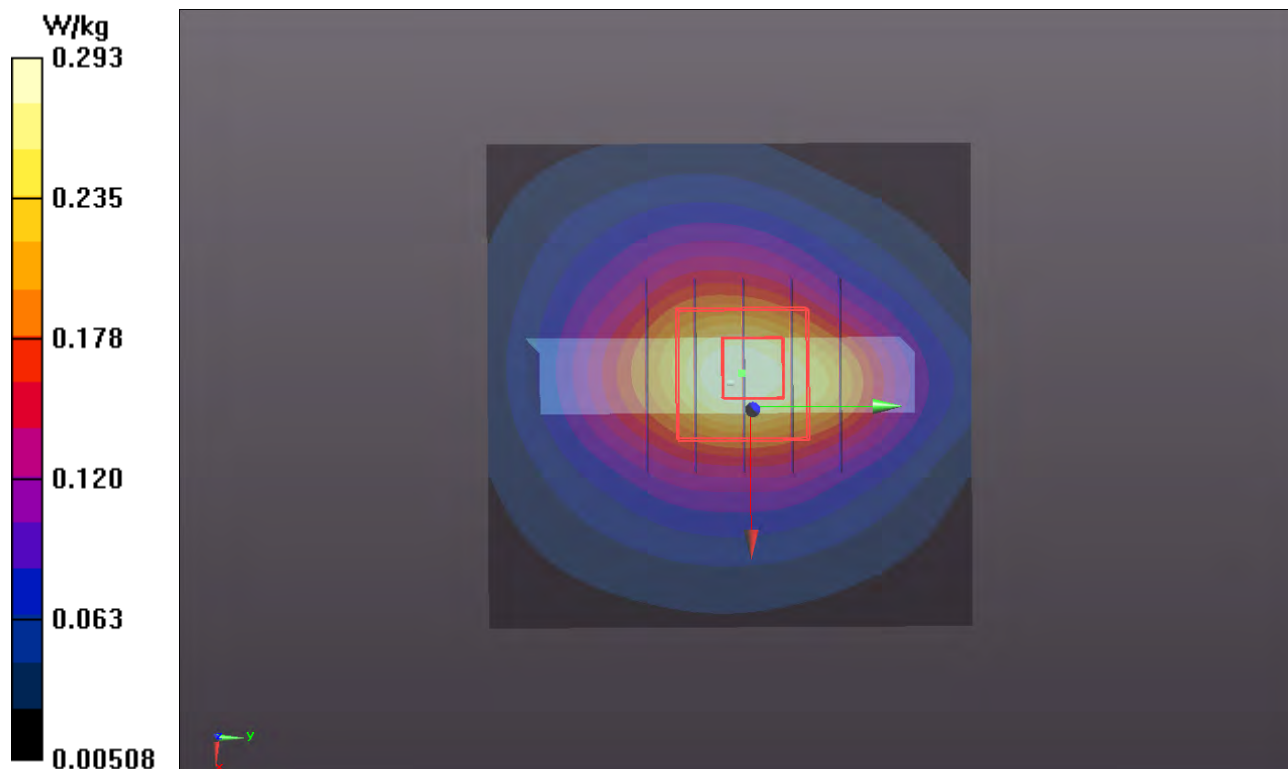
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.283 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.356 mW/g

SAR(1 g) = 0.231 mW/g; SAR(10 g) = 0.141 mW/g

Maximum value of SAR (measured) = 0.299 W/kg



**P337 LTE 4_QPSK_10M_Front Face_2.5cm_Ch20000_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.087 mW/g

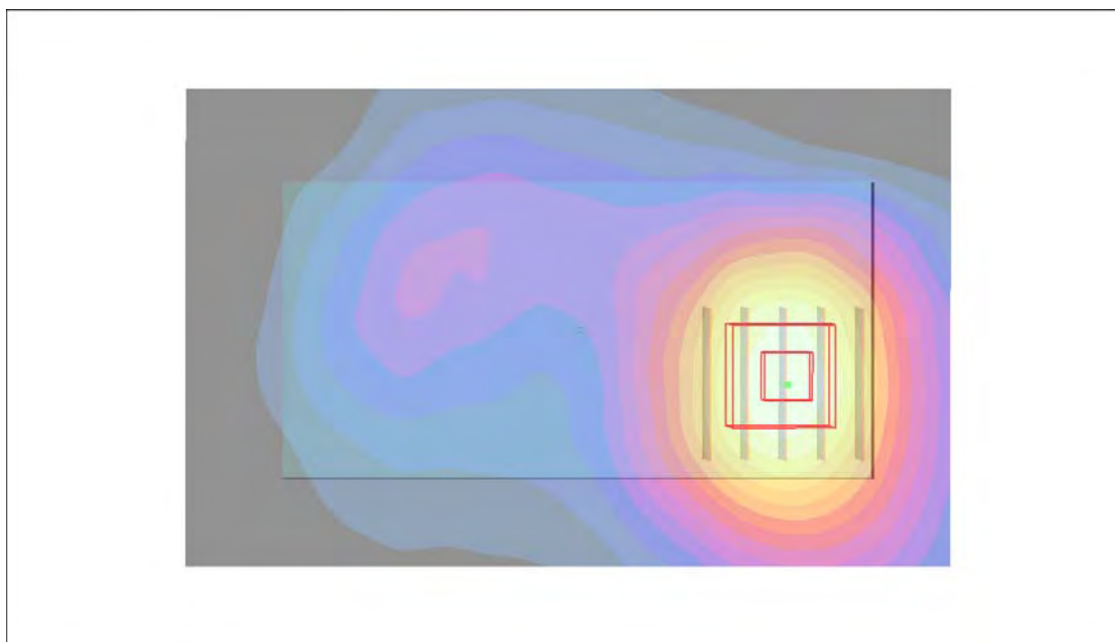
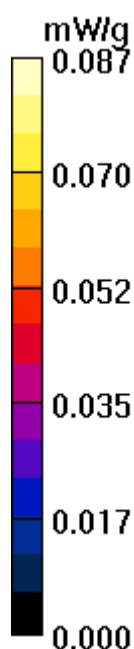
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.02 V/m; Power Drift = -0.006 dB

Peak SAR (extrapolated) = 0.101 W/kg

SAR(1 g) = 0.069 mW/g; SAR(10 g) = 0.045 mW/g

Maximum value of SAR (measured) = 0.087 mW/g



**P320 LTE 4_QPSK_10M_Rear Face_2.5cm_Ch20000_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.193 mW/g

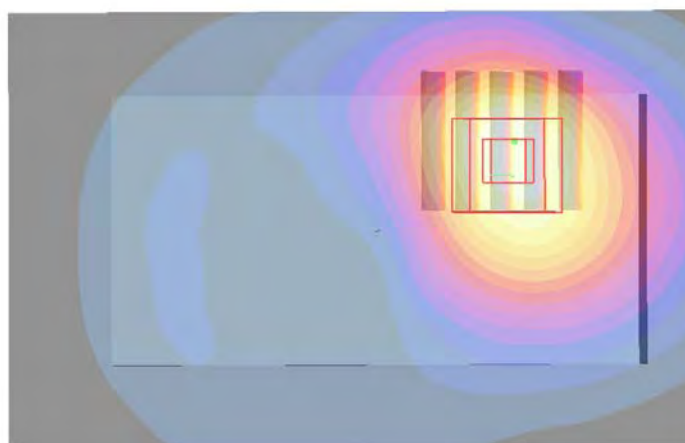
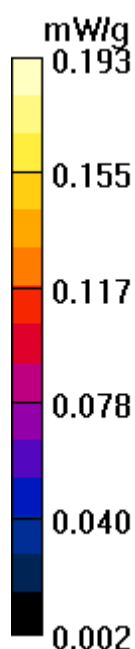
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.68 V/m; Power Drift = -0.088 dB

Peak SAR (extrapolated) = 0.223 W/kg

SAR(1 g) = 0.150 mW/g; SAR(10 g) = 0.098 mW/g

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



**P321 LTE 4_QPSK_10M_Front Face_2.5cm_Ch20000_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.121 mW/g

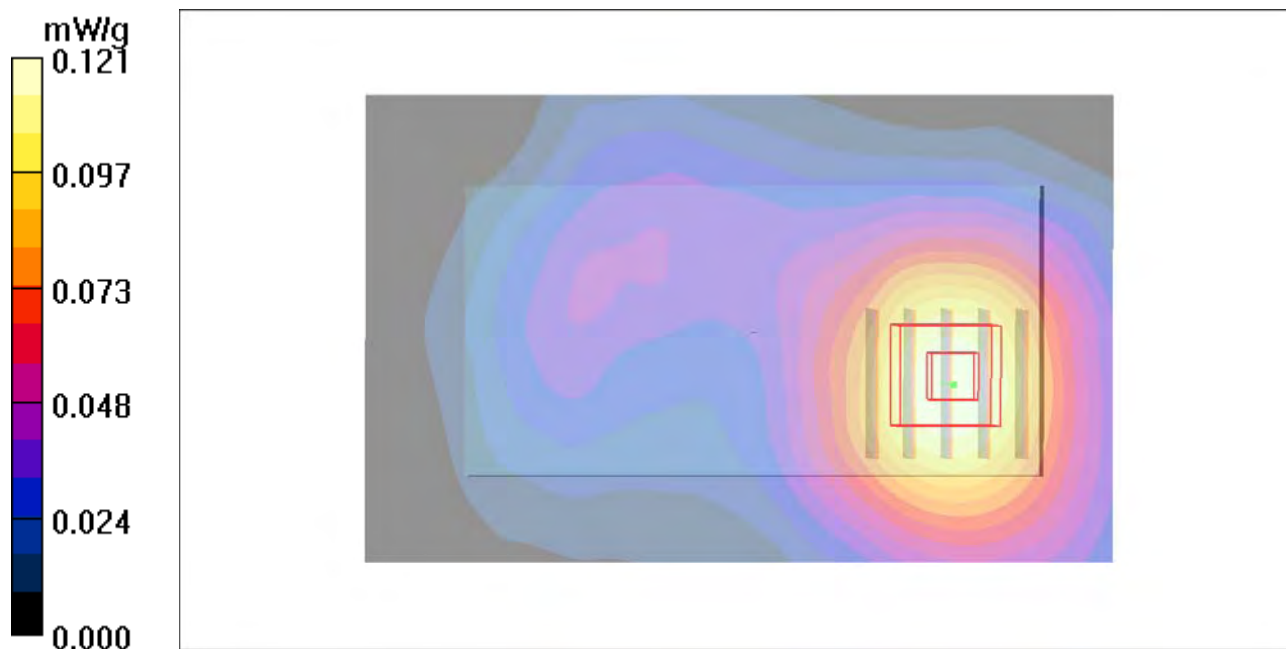
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.83 V/m; Power Drift = -0.109 dB

Peak SAR (extrapolated) = 0.139 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.063 mW/g

Maximum value of SAR (measured) = 0.119 mW/g



**P322 LTE 4_QPSK_10M_Rear Face_2.5cm_Ch20000_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

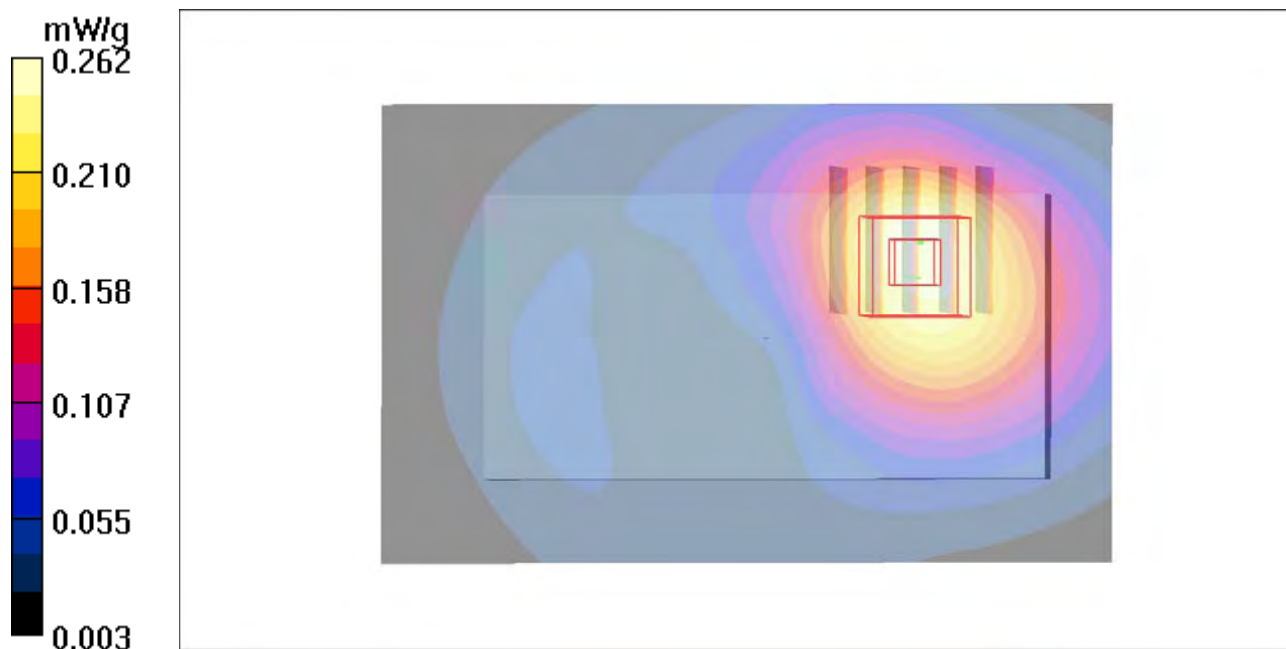
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.32 V/m; Power Drift = 0.139 dB

Peak SAR (extrapolated) = 0.302 W/kg

SAR(1 g) = 0.203 mW/g; SAR(10 g) = 0.134 mW/g

Maximum value of SAR (measured) = 0.254 mW/g



**P323 LTE 4_QPSK_10M_Front Face_2.5cm_Ch20000_Earphone
Off_25RB_Offset 49****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.118 mW/g

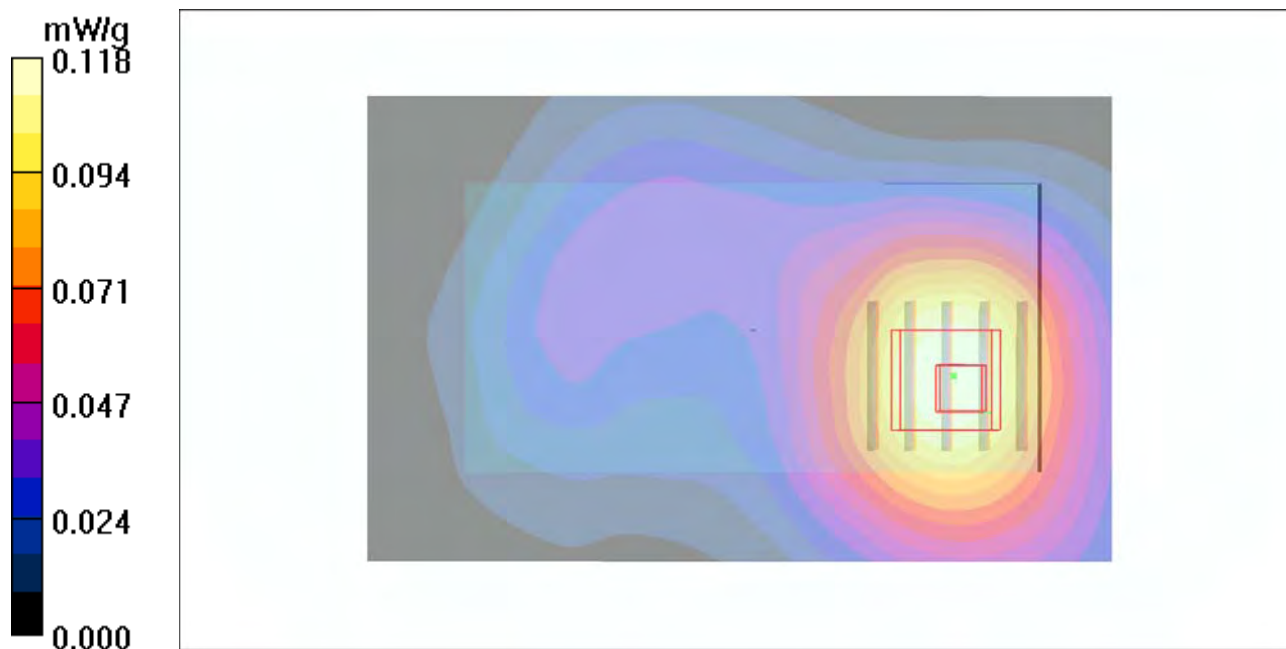
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.67 V/m; Power Drift = 0.085 dB

Peak SAR (extrapolated) = 0.163 W/kg

SAR(1 g) = 0.095 mW/g; SAR(10 g) = 0.062 mW/g

Maximum value of SAR (measured) = 0.130 mW/g



**P324 LTE 4_QPSK_10M_Rear Face_2.5cm_Ch20000_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.269 mW/g

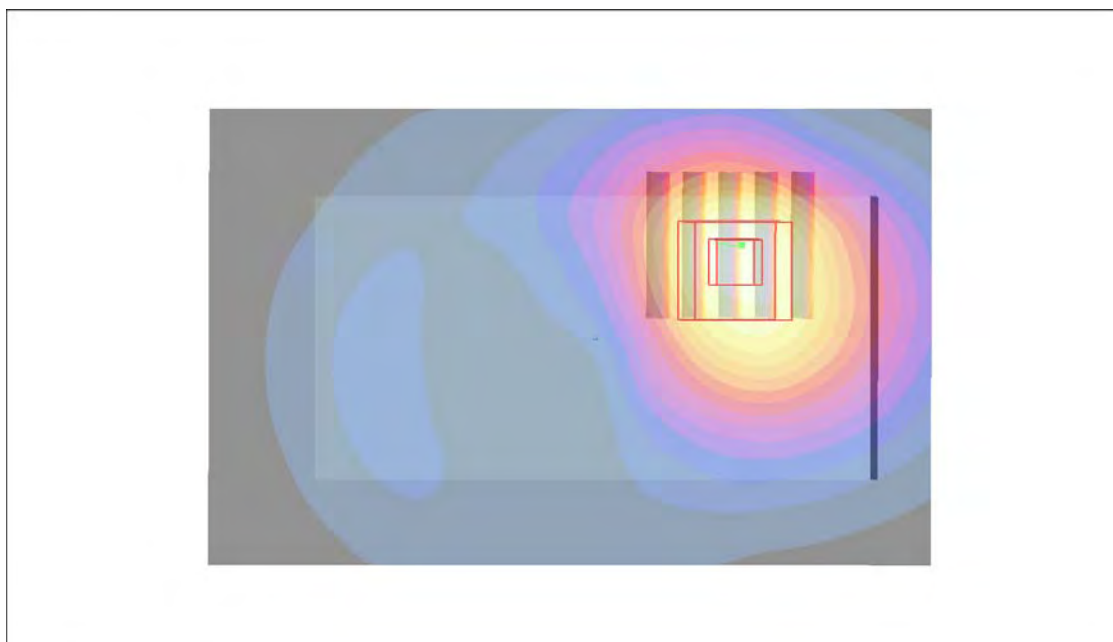
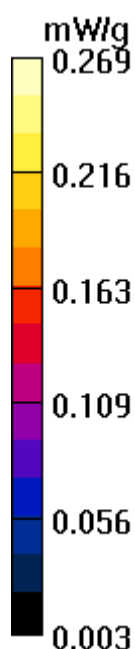
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.27 V/m; Power Drift = 0.154 dB

Peak SAR (extrapolated) = 0.309 W/kg

SAR(1 g) = 0.209 mW/g; SAR(10 g) = 0.137 mW/g

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



**P1110 LTE 4_16QAM_10M_Front Face_2.5cm_Ch20000_25RB_Offset
12_Earphone****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20 mm, dy=20mm

Maximum value of SAR (interpolated) = 0.0347 W/kg

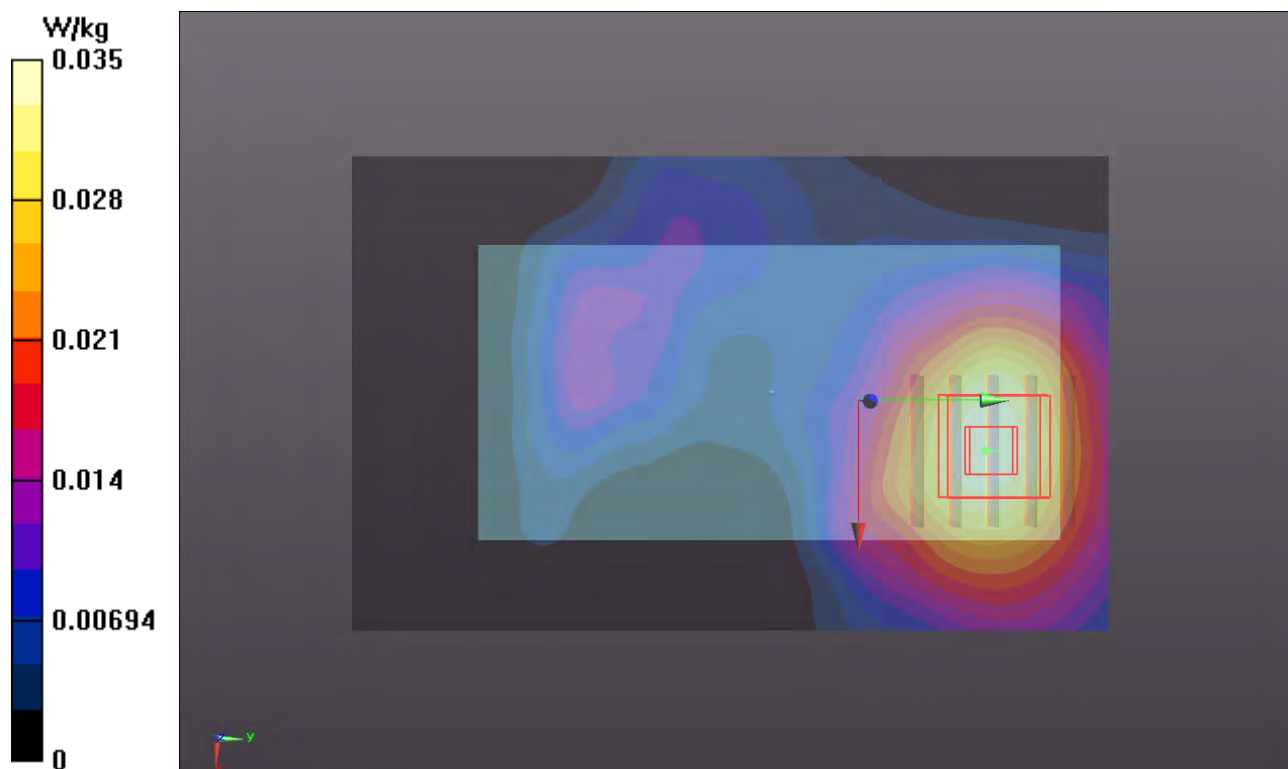
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.791 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.039 mW/g

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.0336 W/kg



**P325 LTE 4_16QAM_10M_Rear Face_2.5cm_Ch20000_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

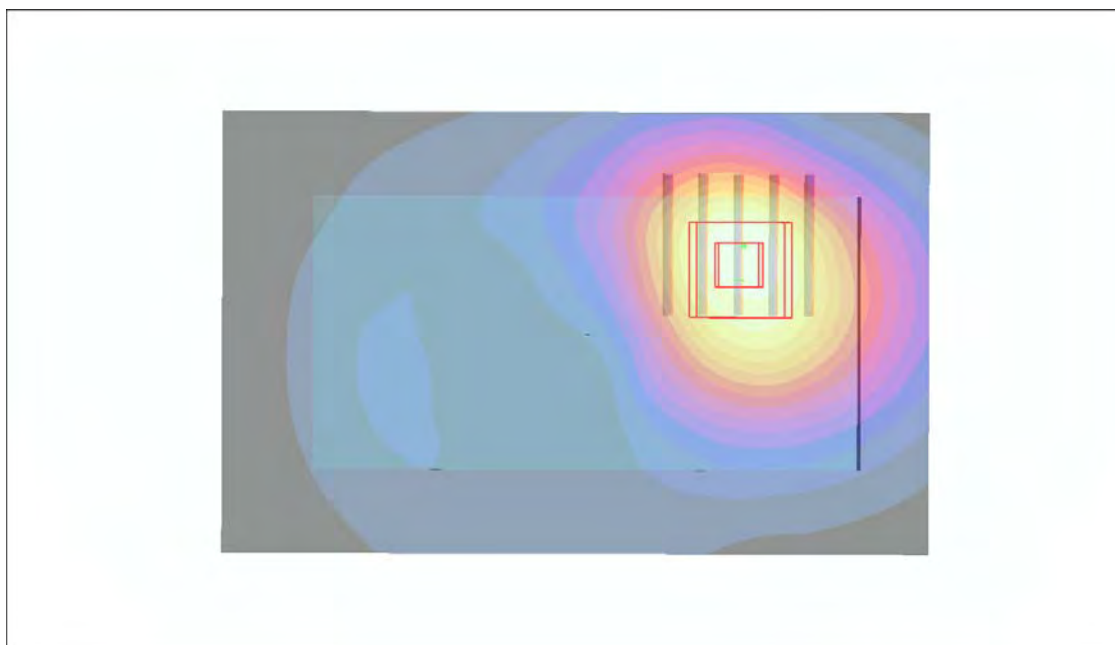
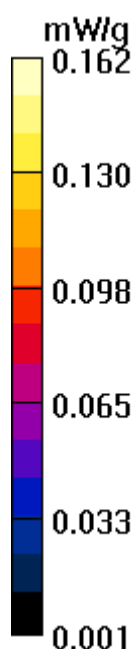
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.13 V/m; Power Drift = 0.096 dB

Peak SAR (extrapolated) = 0.186 W/kg

SAR(1 g) = 0.126 mW/g; SAR(10 g) = 0.083 mW/g

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



P1111 LTE 4_16QAM_10M_Front Face_2.5cm_Ch20000_1RB_Offset 0_Earphone**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.0350 W/kg

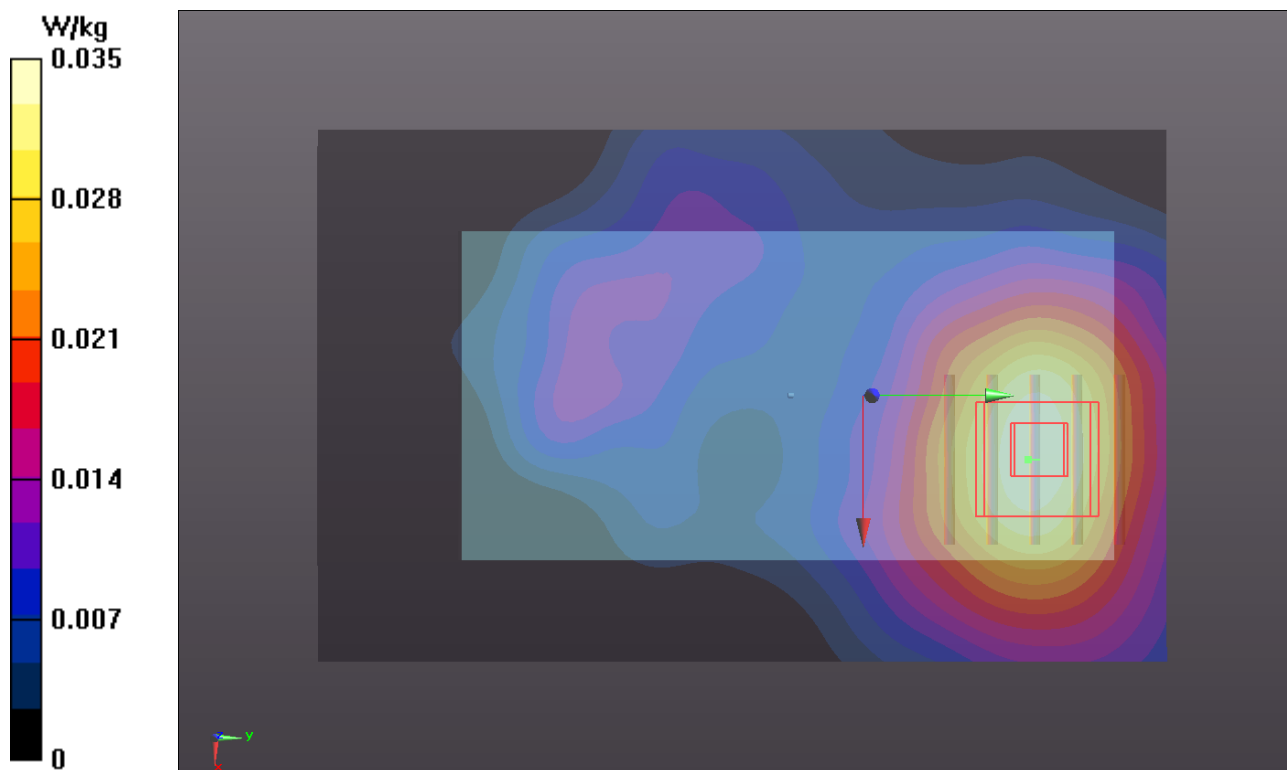
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.849 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.039 mW/g

SAR(1 g) = 0.026 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.0323 W/kg



**P326 LTE 4_16QAM_10M_Rear Face_2.5cm_Ch20000_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

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

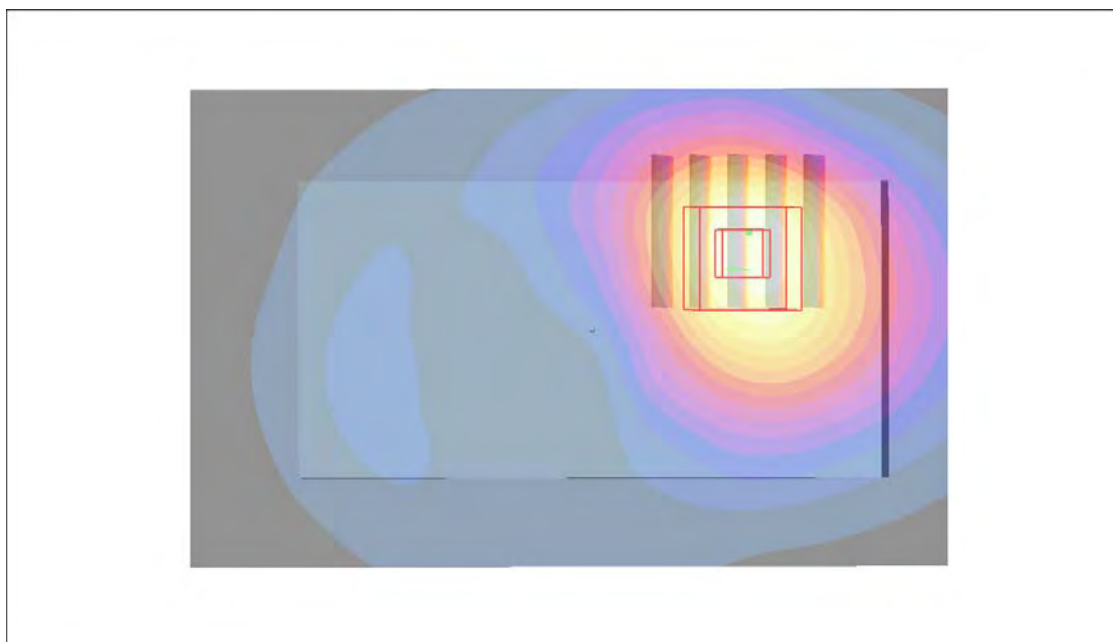
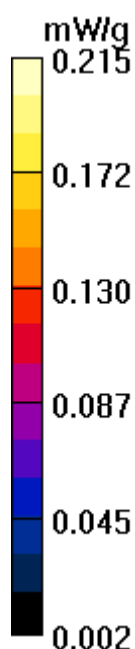
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.69 V/m; Power Drift = 0.104 dB

Peak SAR (extrapolated) = 0.246 W/kg

SAR(1 g) = 0.167 mW/g; SAR(10 g) = 0.109 mW/g

Maximum value of SAR (measured) = 0.208 mW/g



P1112 LTE 4_16QAM_10M_Front Face_2.5cm_Ch20000_1RB_Offset 49_Earphone**DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_1018 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.424$ mho/m; $\epsilon_r = 54.71$; $\rho = 1000$ kg/m³

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.0335 W/kg

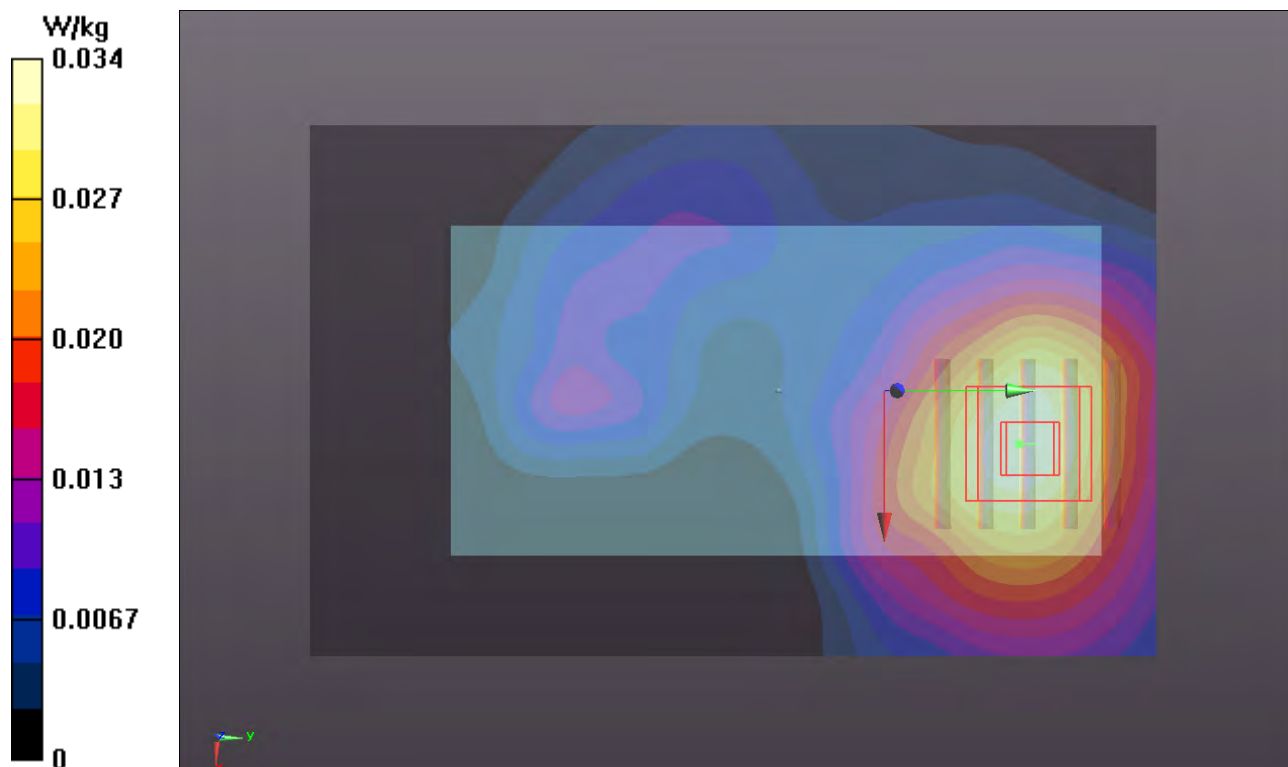
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.504 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.039 mW/g

SAR(1 g) = 0.027 mW/g; SAR(10 g) = 0.017 mW/g

Maximum value of SAR (measured) = 0.0335 W/kg



**P327 LTE 4_16QAM_10M_Rear Face_2.5cm_Ch20000_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

Communication System: LTE; Frequency: 1715 MHz; Duty Cycle: 1:1

Medium: B1750_0905 Medium parameters used: $f = 1715$ MHz; $\sigma = 1.43$ mho/m; $\epsilon_r = 53.8$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.1 °C

DASY4 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.45, 8.45, 8.45); Calibrated: 2012/07/19
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY4, V4.7 Build 80; Postprocessing SW: SEMCAD, V1.8 Build 186

Ch20000/Area Scan (51x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.207 mW/g

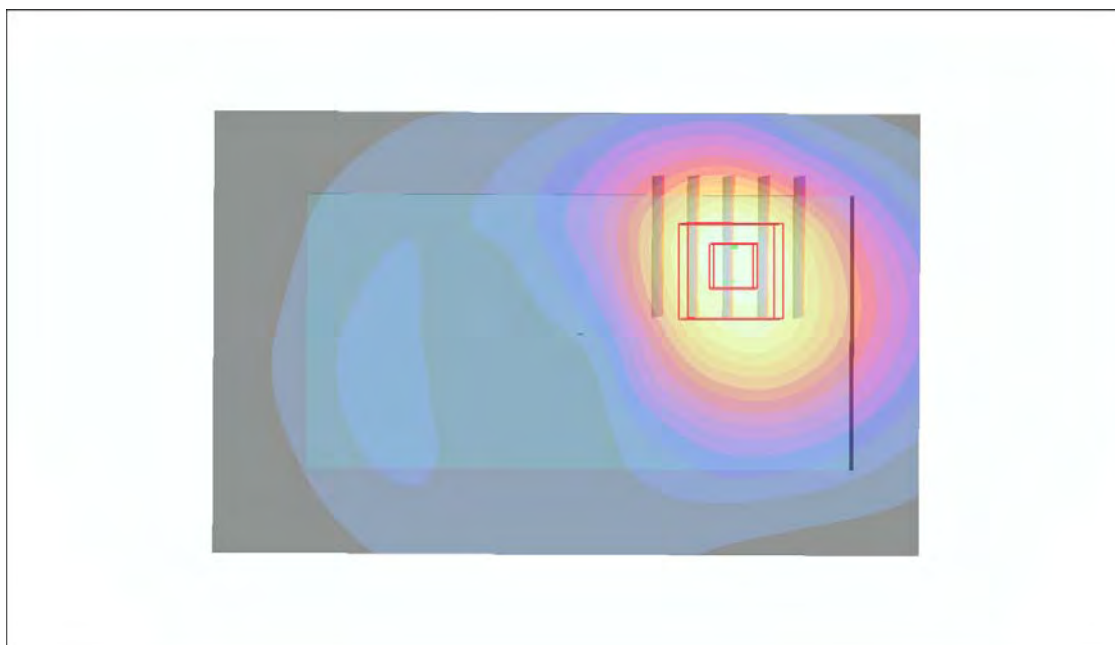
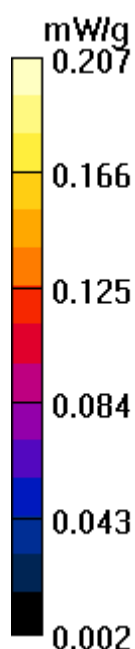
Ch20000/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.73 V/m; Power Drift = 0.028 dB

Peak SAR (extrapolated) = 0.240 W/kg

SAR(1 g) = 0.162 mW/g; SAR(10 g) = 0.106 mW/g

Maximum value of SAR (measured) = 0.201 mW/g



P362 LTE 5_QPSK_10M_Front Face_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.381 W/kg

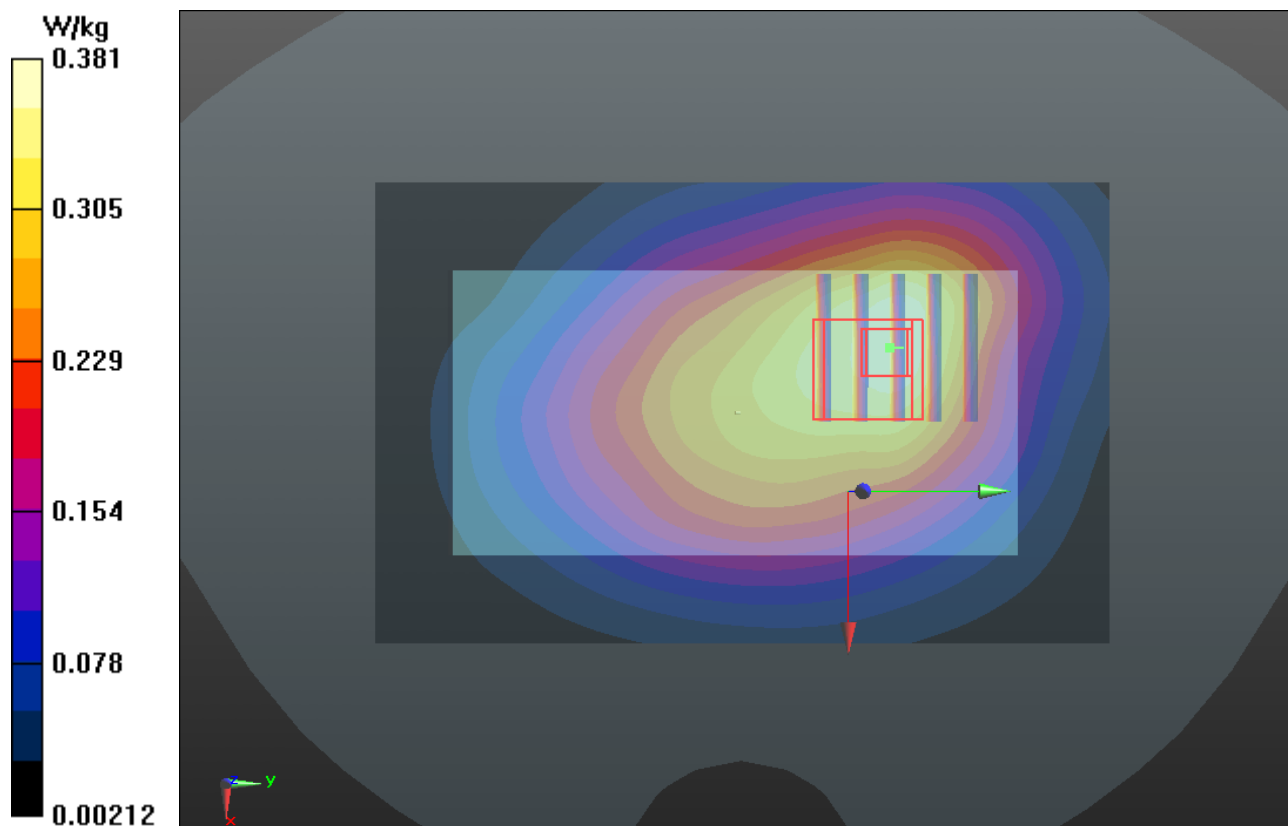
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.883 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.427 mW/g

SAR(1 g) = 0.313 mW/g; SAR(10 g) = 0.231 mW/g

Maximum value of SAR (measured) = 0.374 W/kg



P363 LTE 5_QPSK_10M_Rear Face_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.942 W/kg

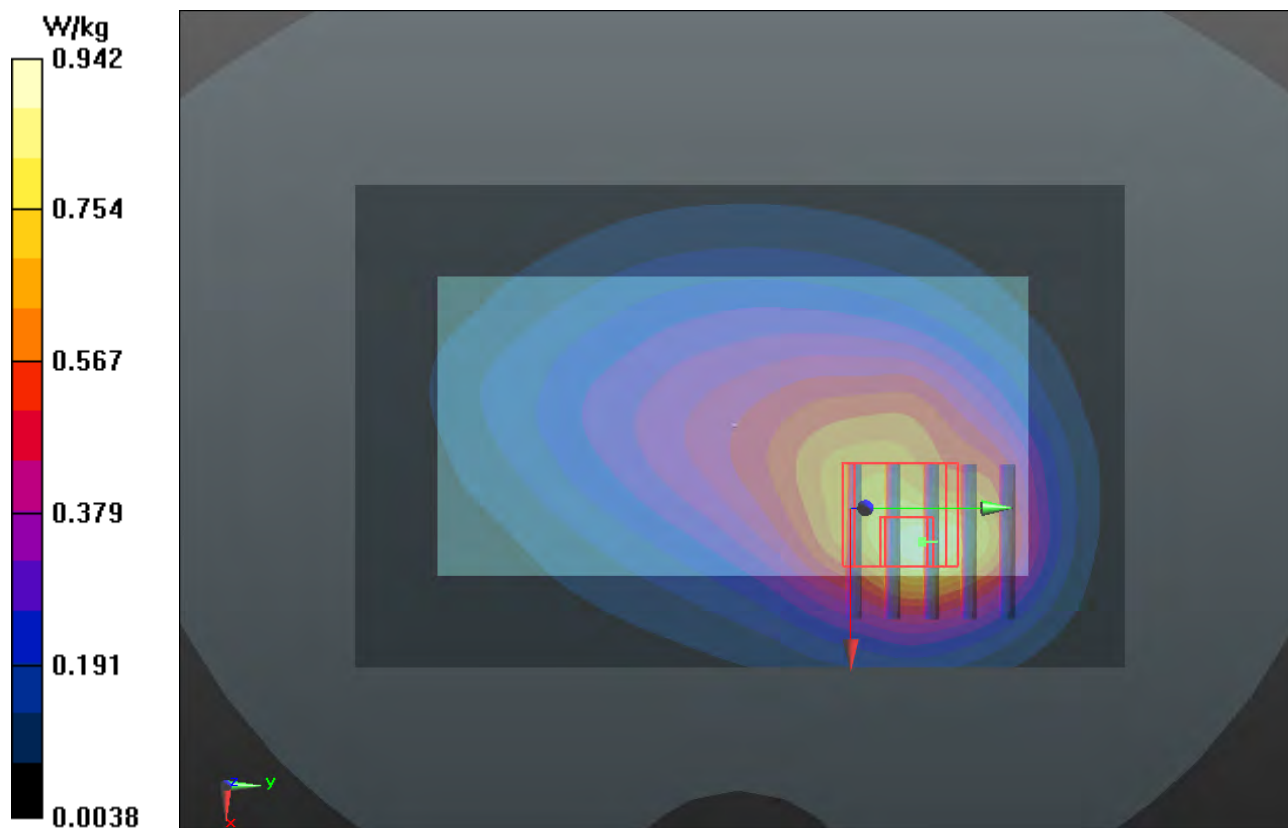
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.723 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.045 mW/g

SAR(1 g) = 0.612 mW/g; SAR(10 g) = 0.403 mW/g

Maximum value of SAR (measured) = 0.818 W/kg



P364 LTE 5_QPSK_10M_Left Side_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (31x81x1): Measurement grid: dx=20mm, dy=20mm

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

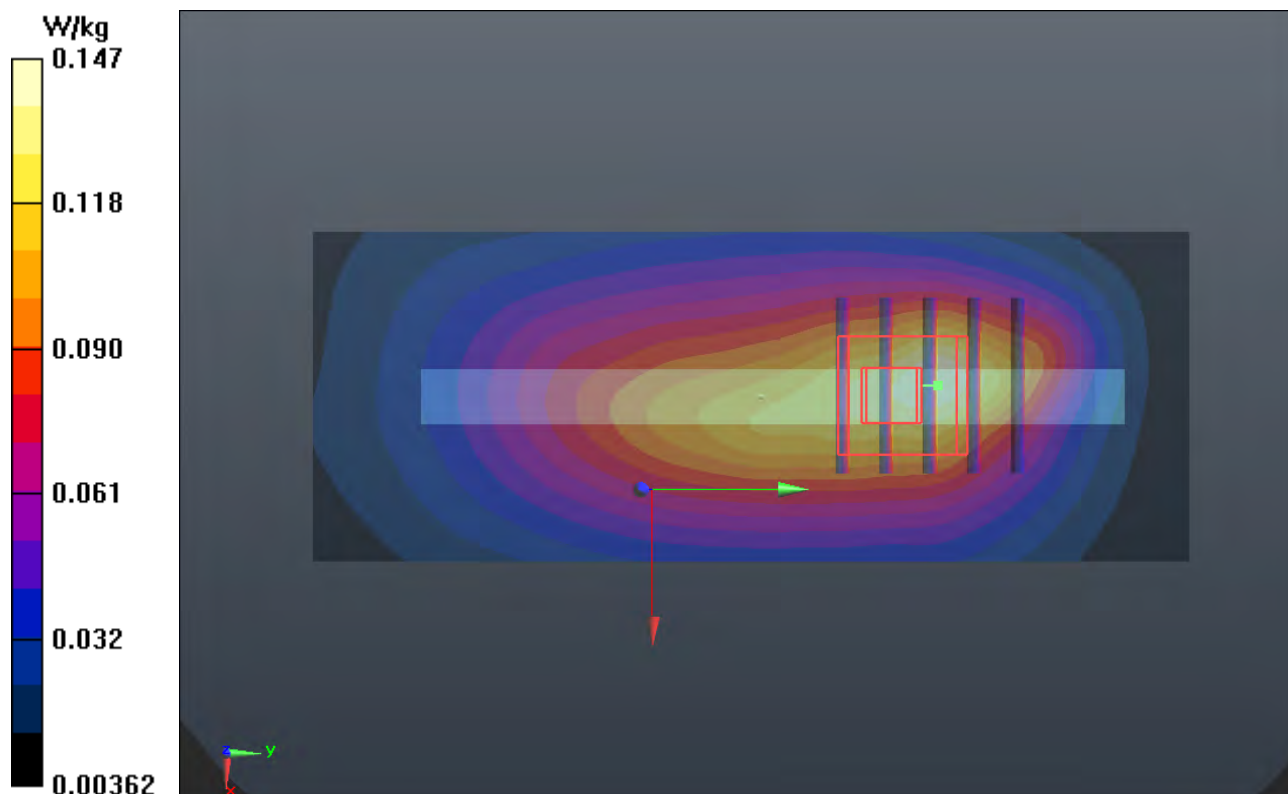
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.247 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.172 mW/g

SAR(1 g) = 0.111 mW/g; SAR(10 g) = 0.072 mW/g

Maximum value of SAR (measured) = 0.141 W/kg



P365 LTE 5_QPSK_10M_Top Side_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.209 W/kg

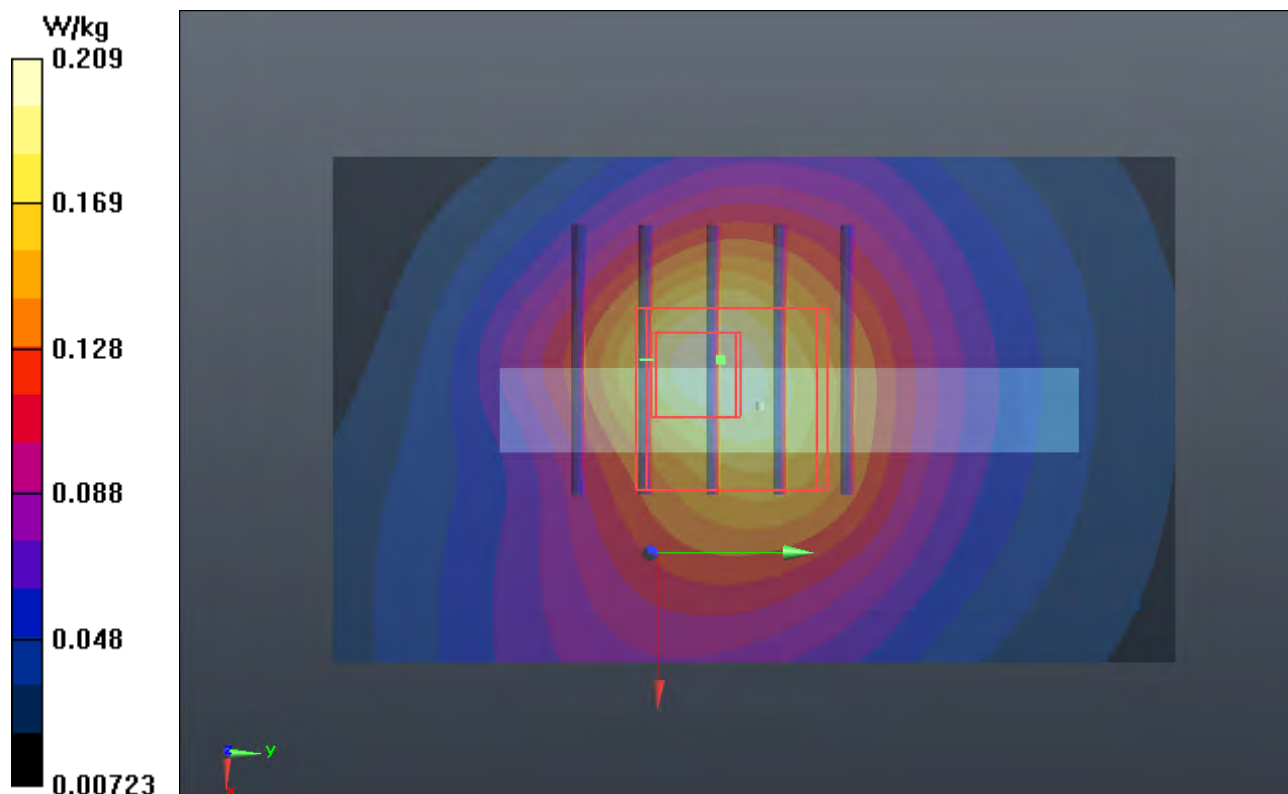
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.787 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.235 mW/g

SAR(1 g) = 0.147 mW/g; SAR(10 g) = 0.102 mW/g

Maximum value of SAR (measured) = 0.194 W/kg



P366 LTE 5_QPSK_10M_Front Face_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.482 W/kg

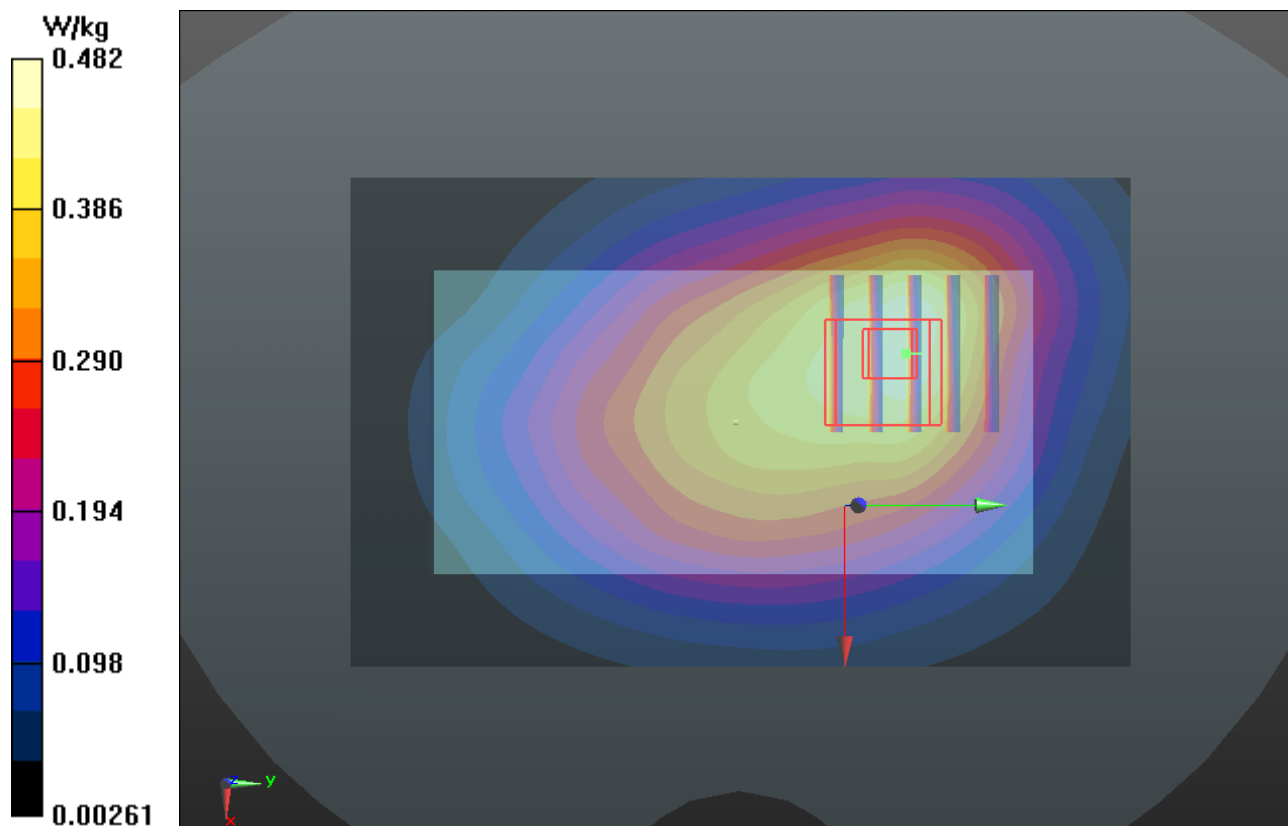
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.023 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.537 mW/g

SAR(1 g) = 0.399 mW/g; SAR(10 g) = 0.294 mW/g

Maximum value of SAR (measured) = 0.471 W/kg



P367 LTE 5_QPSK_10M_Rear Face_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 1.19 W/kg

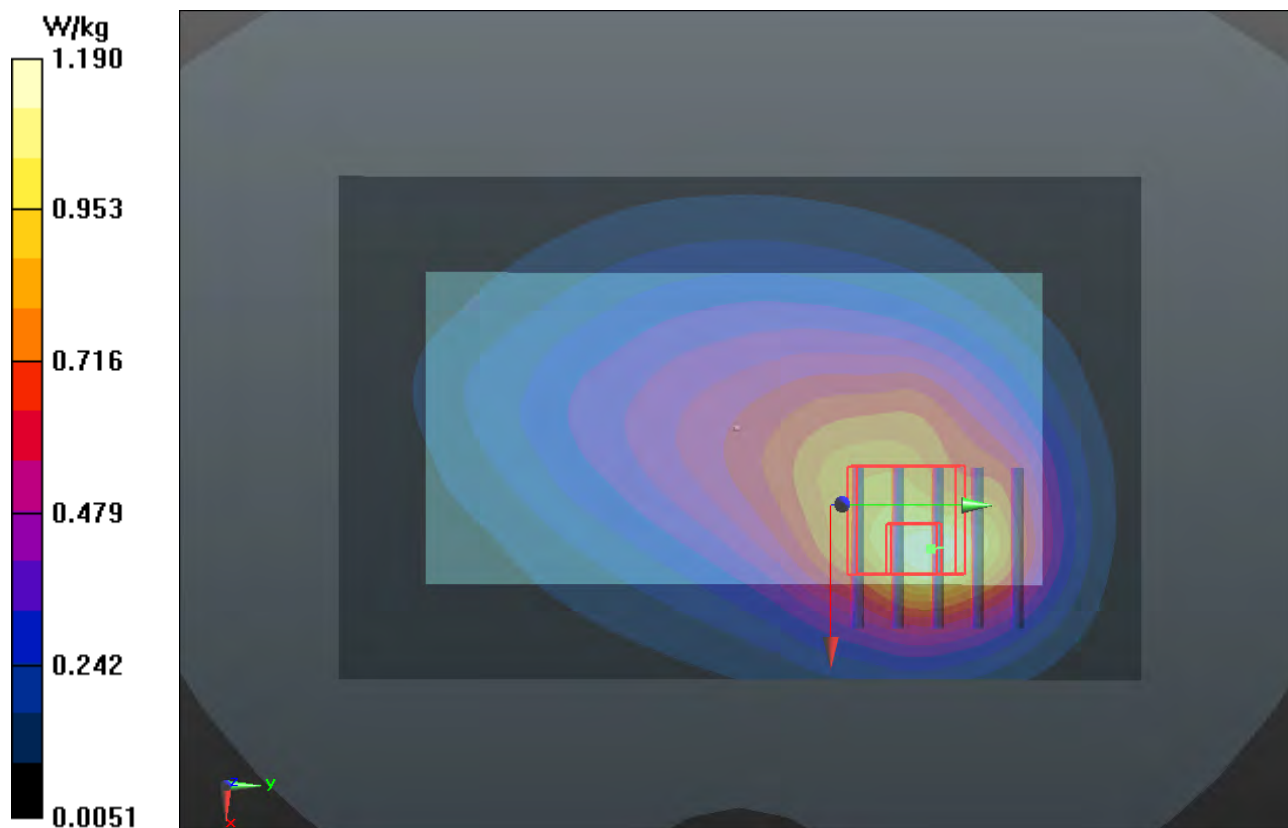
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.635 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.334 mW/g

SAR(1 g) = 0.786 mW/g; SAR(10 g) = 0.517 mW/g

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



P368 LTE 5_QPSK_10M_Left Side_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (31x81x1): Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (interpolated) = 0.146 W/kg

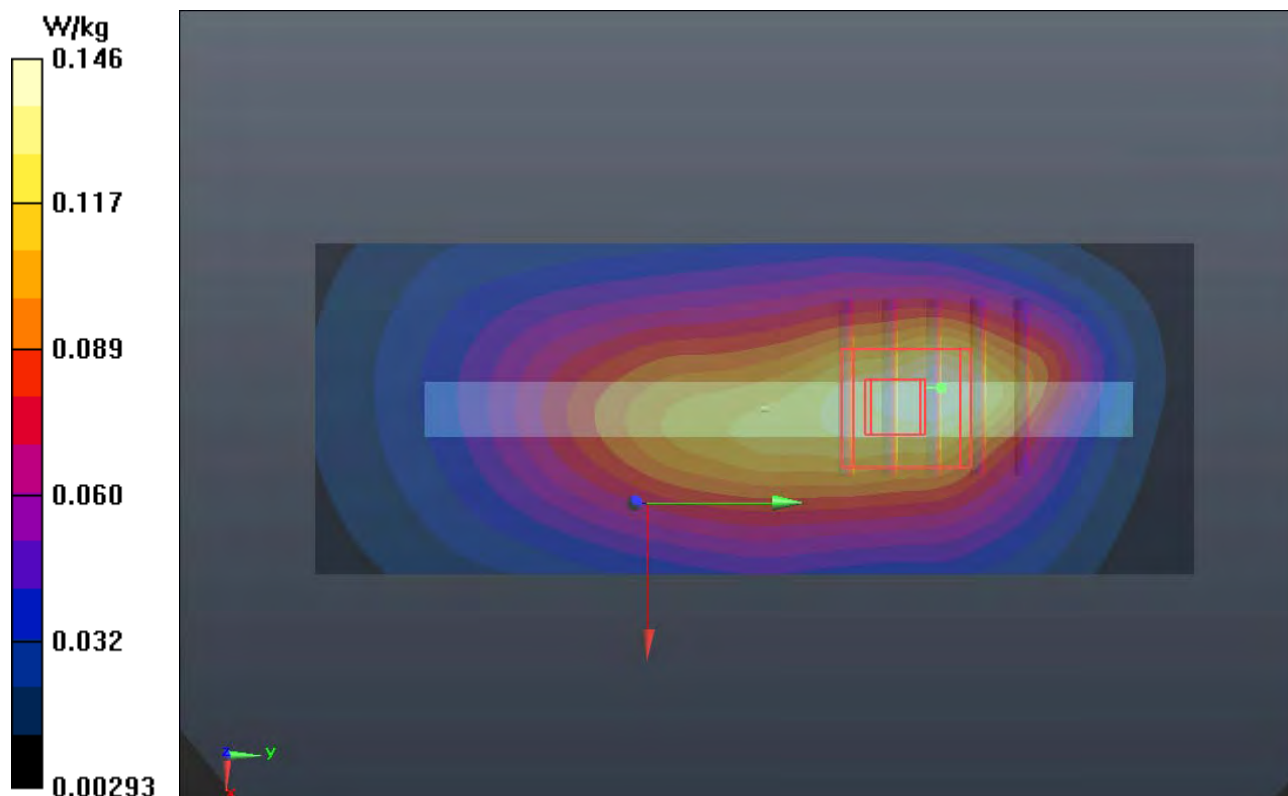
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.496 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.176 mW/g

SAR(1 g) = 0.114 mW/g; SAR(10 g) = 0.074 mW/g

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



P369 LTE 5_QPSK_10M_Top Side_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (31x51x1): Measurement grid: dx=20mm, dy=20mm

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

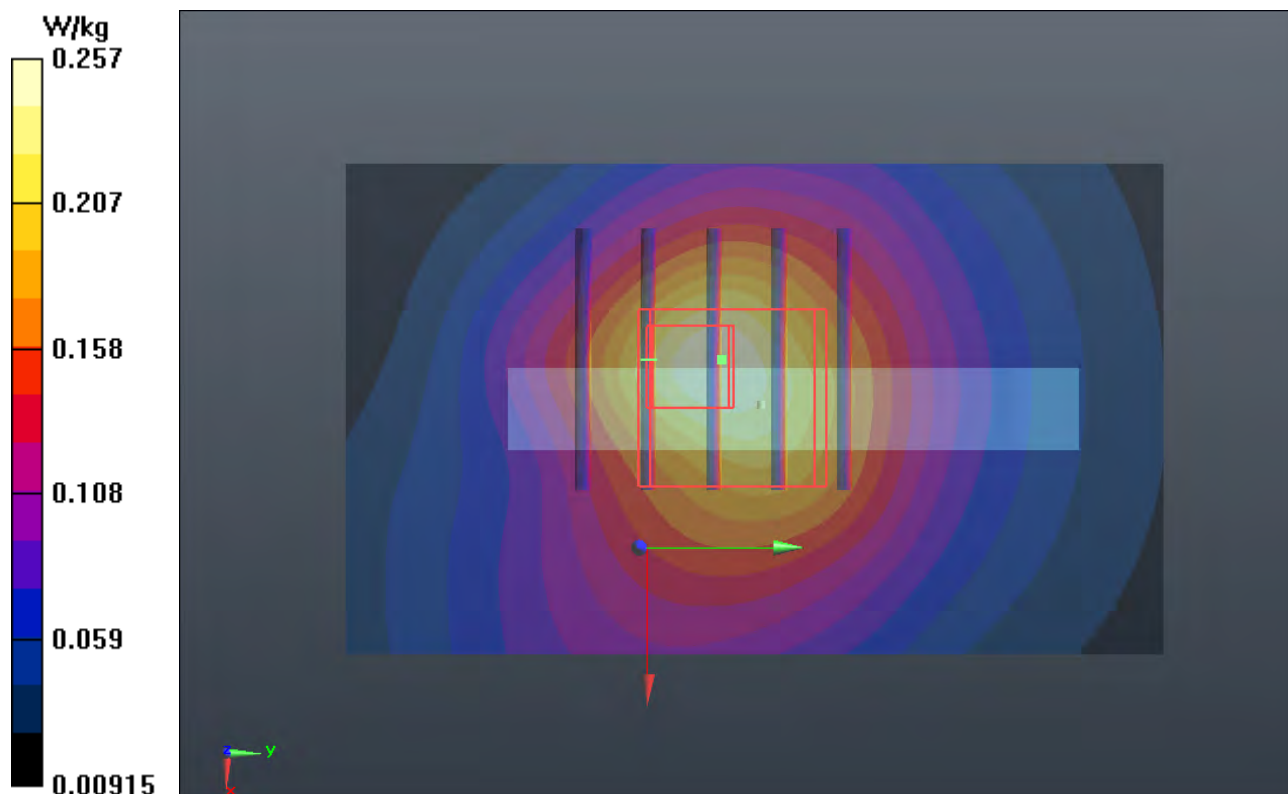
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.238 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.288 mW/g

SAR(1 g) = 0.183 mW/g; SAR(10 g) = 0.126 mW/g

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



P370 LTE 5_QPSK_10M_Front Face_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.529 W/kg

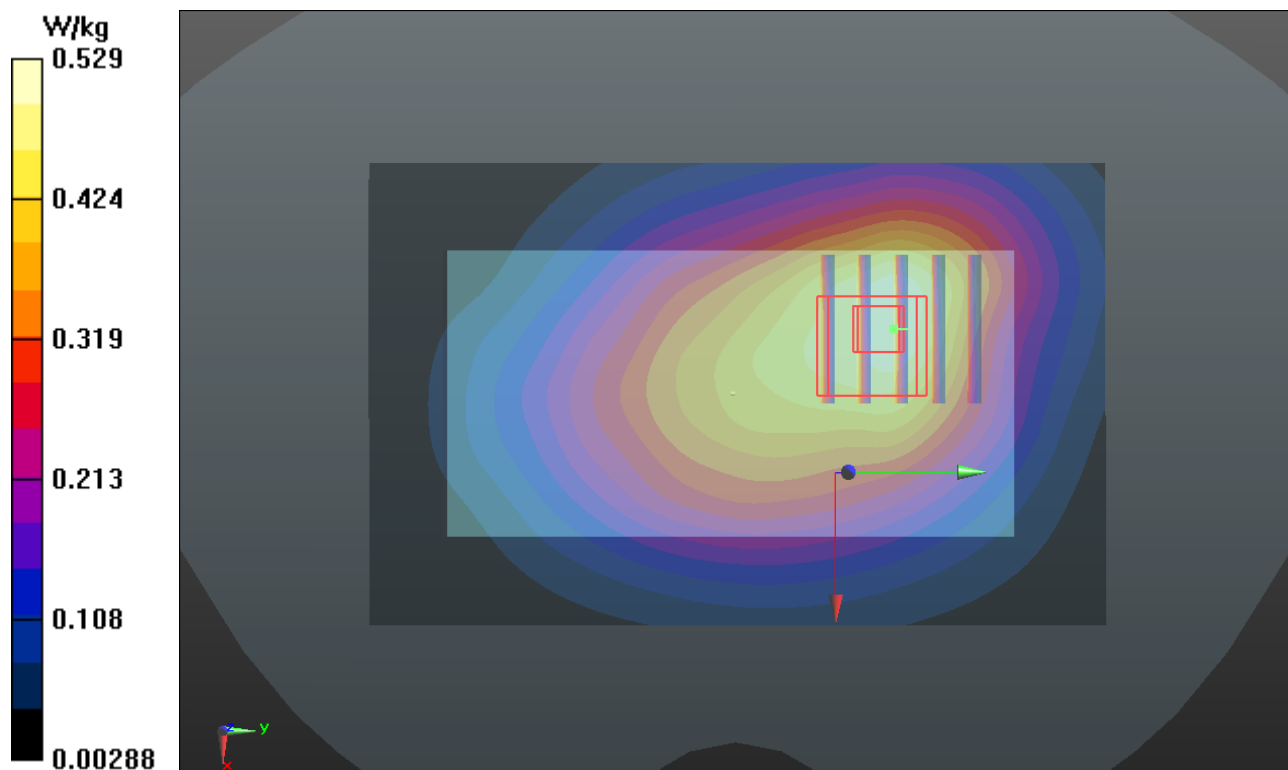
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.577 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.587 mW/g

SAR(1 g) = 0.436 mW/g; SAR(10 g) = 0.322 mW/g

Maximum value of SAR (measured) = 0.509 W/kg



P371 LTE 5_QPSK_10M_Rear Face_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 1.31 W/kg

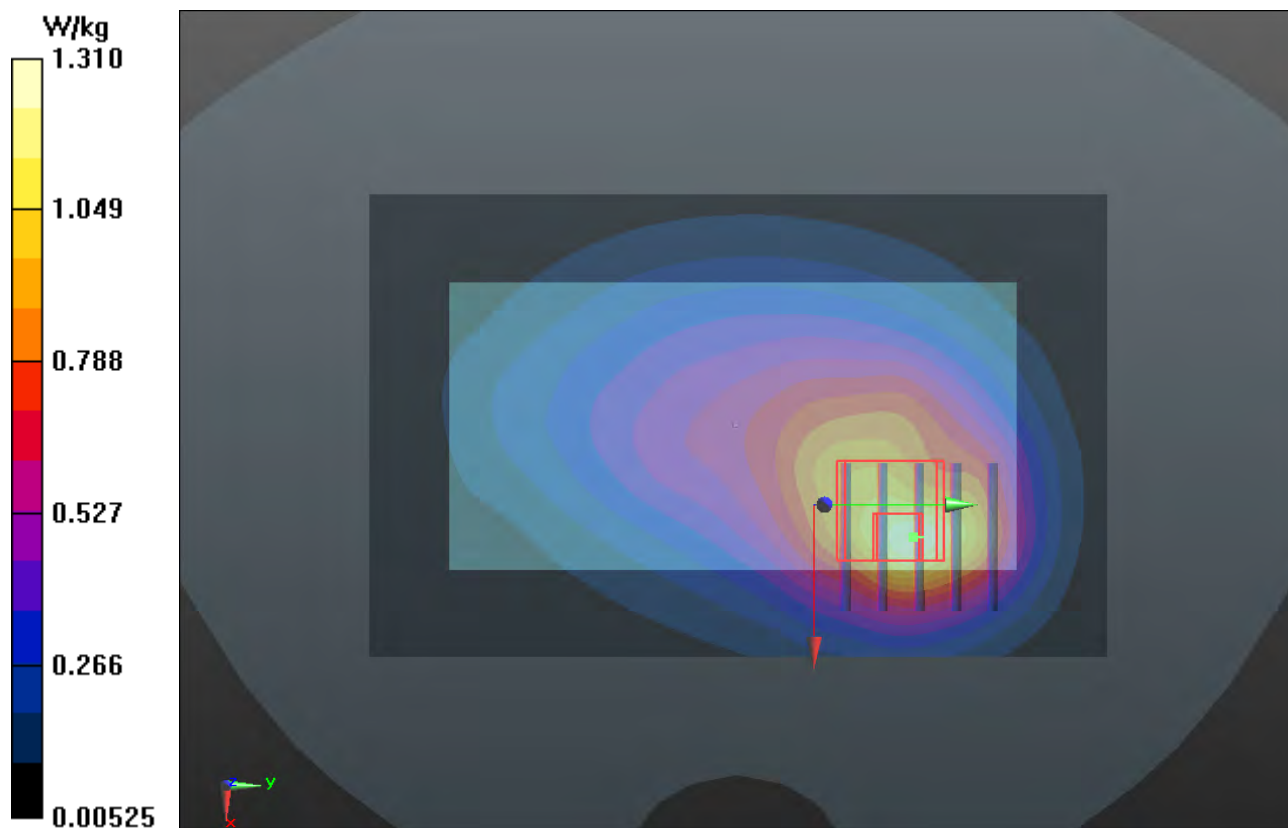
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

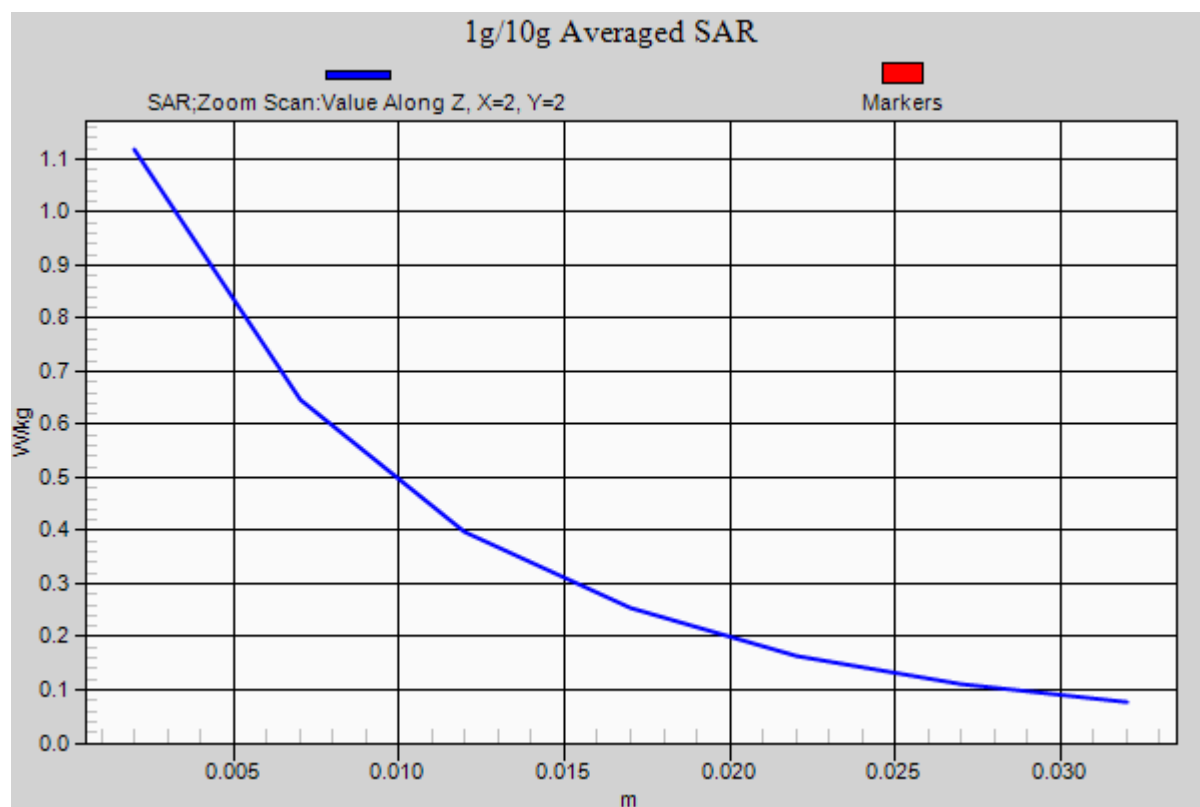
Reference Value = 25.492 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.407 mW/g

SAR(1 g) = 0.833 mW/g; SAR(10 g) = 0.548 mW/g

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





P372 LTE 5_QPSK_10M_Left Side_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.156 W/kg

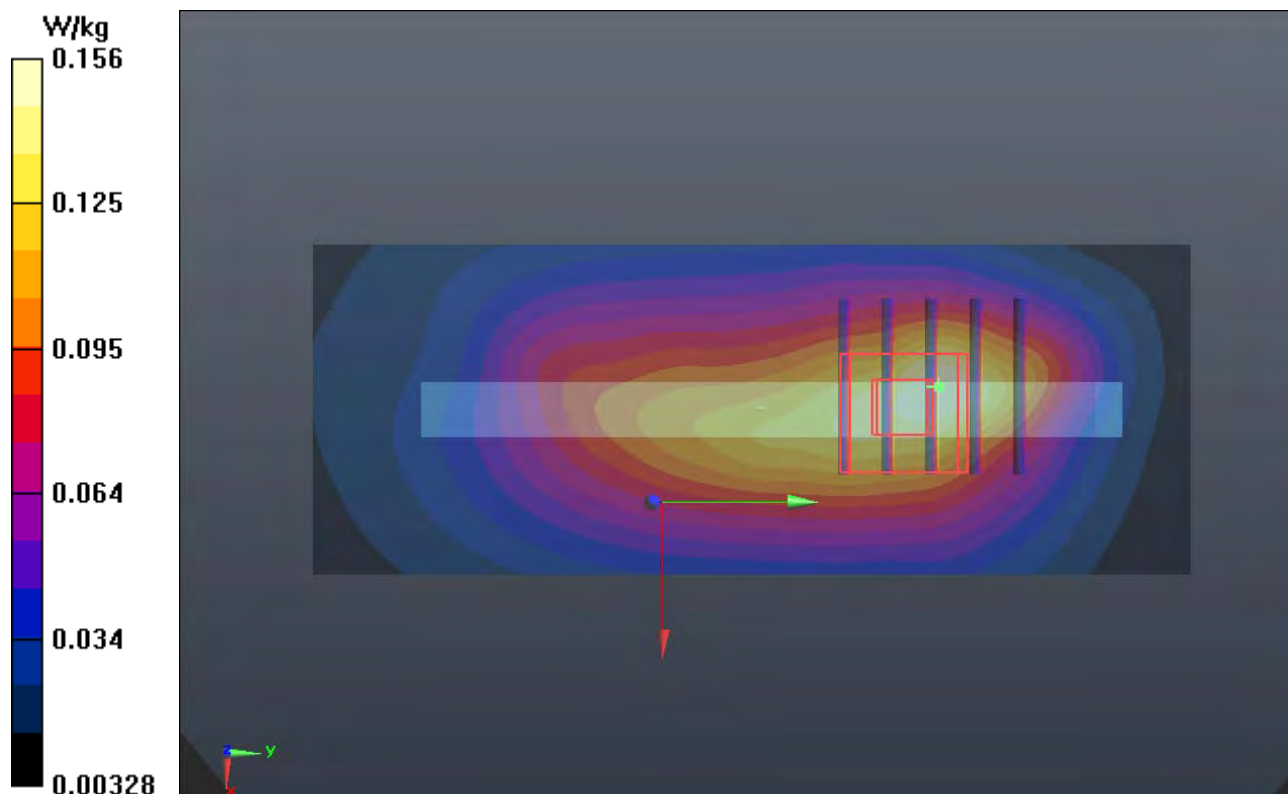
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.567 V/m; Power Drift = -0.16 dB

Peak SAR (extrapolated) = 0.196 mW/g

SAR(1 g) = 0.123 mW/g; SAR(10 g) = 0.079 mW/g

Maximum value of SAR (measured) = 0.156 W/kg



P373 LTE 5_QPSK_10M_Top Side_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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 (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.294 W/kg

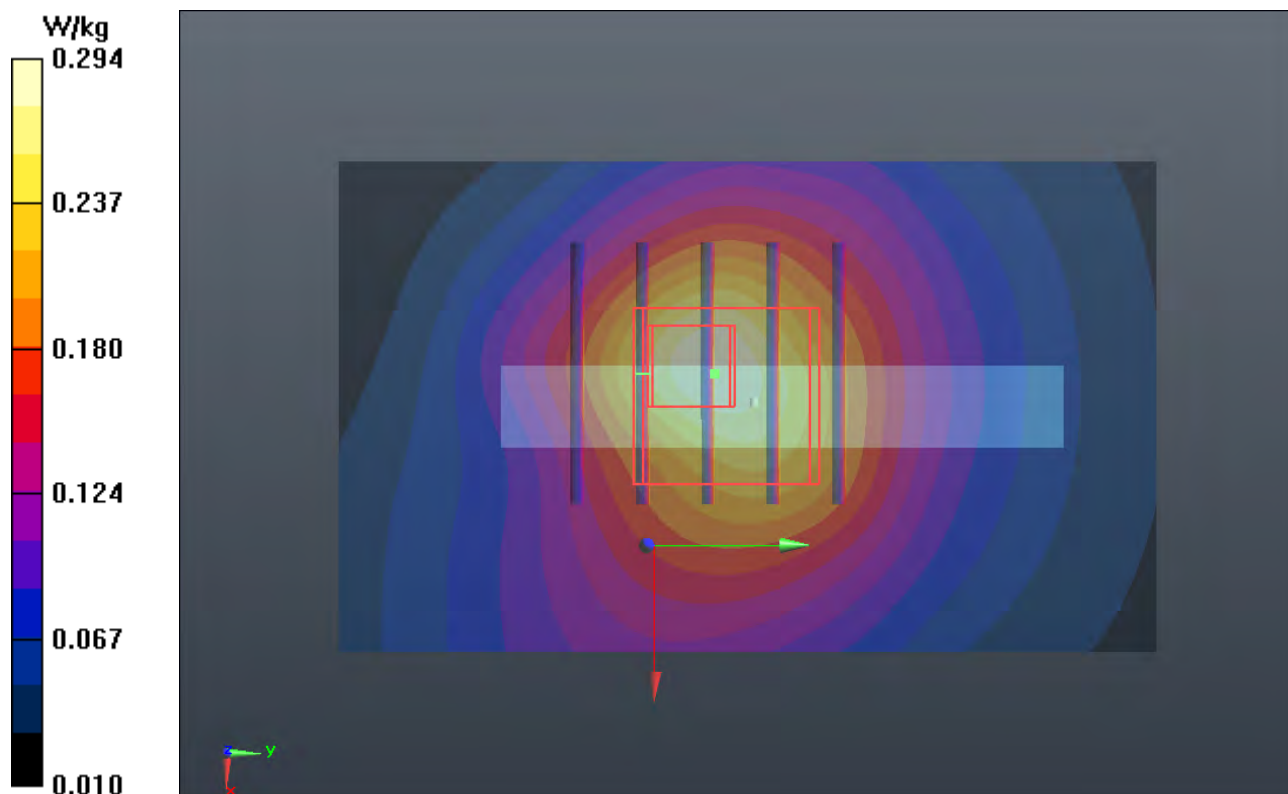
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.271 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.208 mW/g; SAR(10 g) = 0.144 mW/g

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



P462 LTE 5_16QAM_10M_Front Face_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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

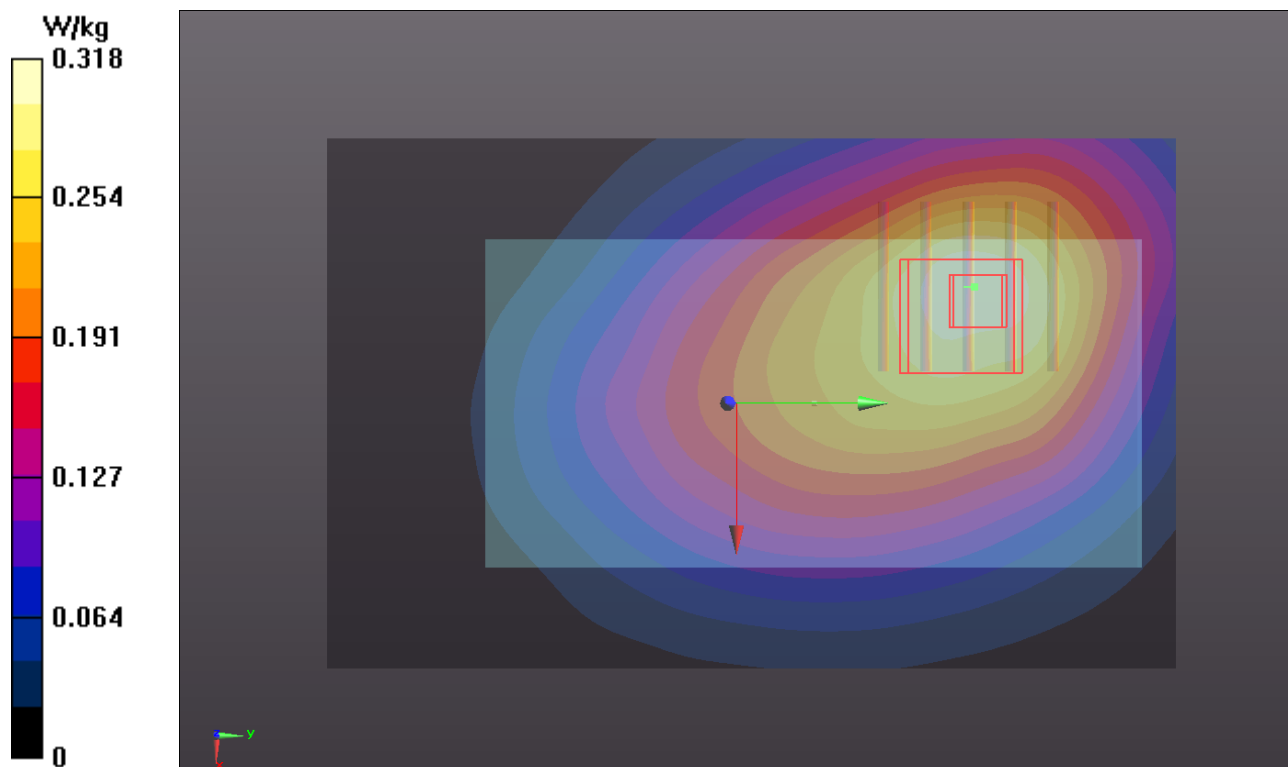
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.370 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.361 mW/g

SAR(1 g) = 0.267 mW/g; SAR(10 g) = 0.195 mW/g

Maximum value of SAR (measured) = 0.315 W/kg



P374 LTE 5_16QAM_10M_Rear Face_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.717 W/kg

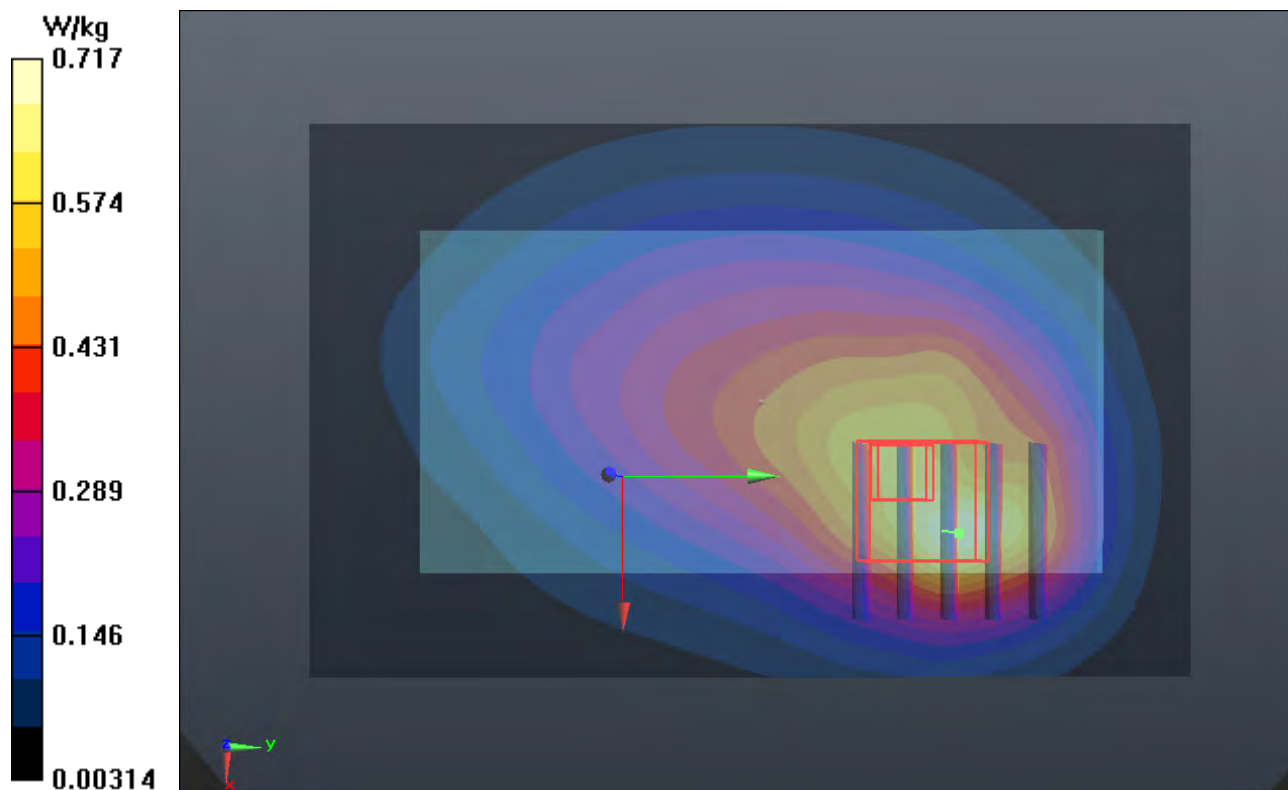
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.917 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.825 mW/g

SAR(1 g) = 0.498 mW/g; SAR(10 g) = 0.324 mW/g

Maximum value of SAR (measured) = 0.661 W/kg



P451 LTE 5_16QAM_10M_Left Side_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

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

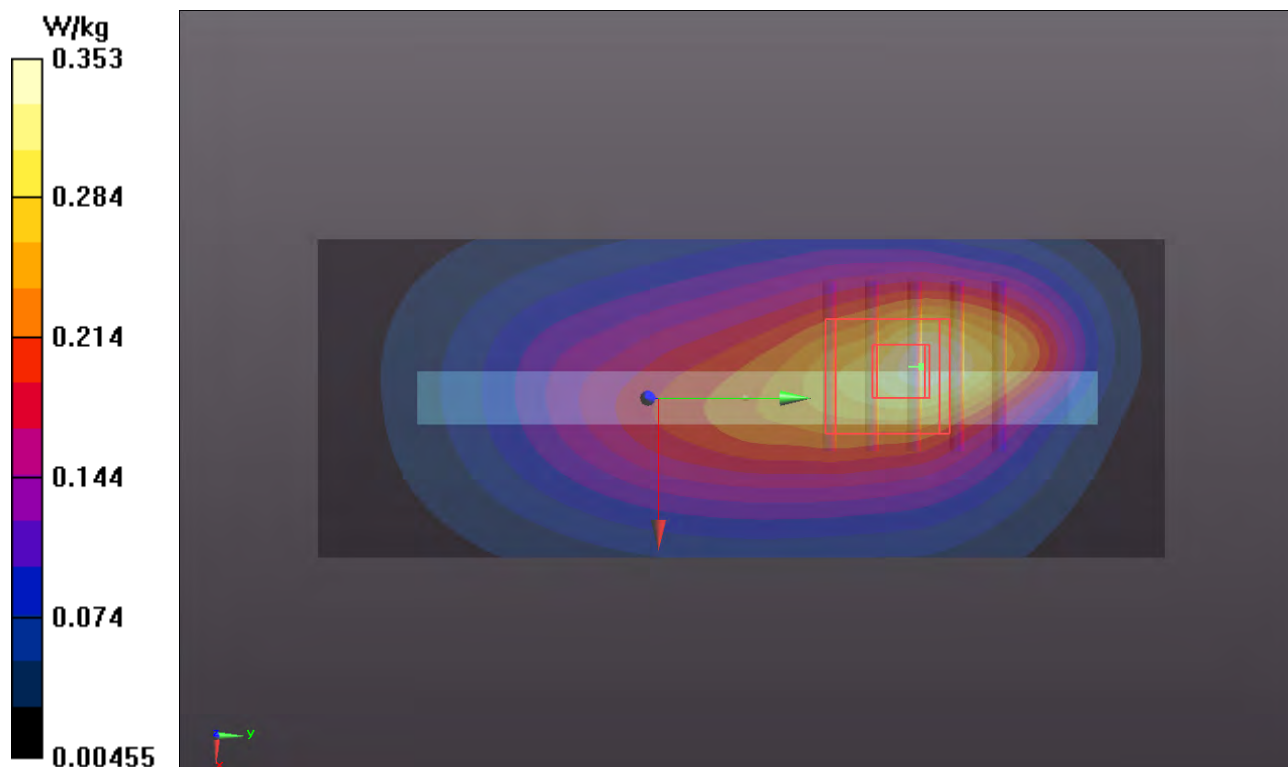
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.992 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.392 mW/g

SAR(1 g) = 0.248 mW/g; SAR(10 g) = 0.160 mW/g

Maximum value of SAR (measured) = 0.328 W/kg



P452 LTE 5_16QAM_10M_Top Side_1cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.200 W/kg

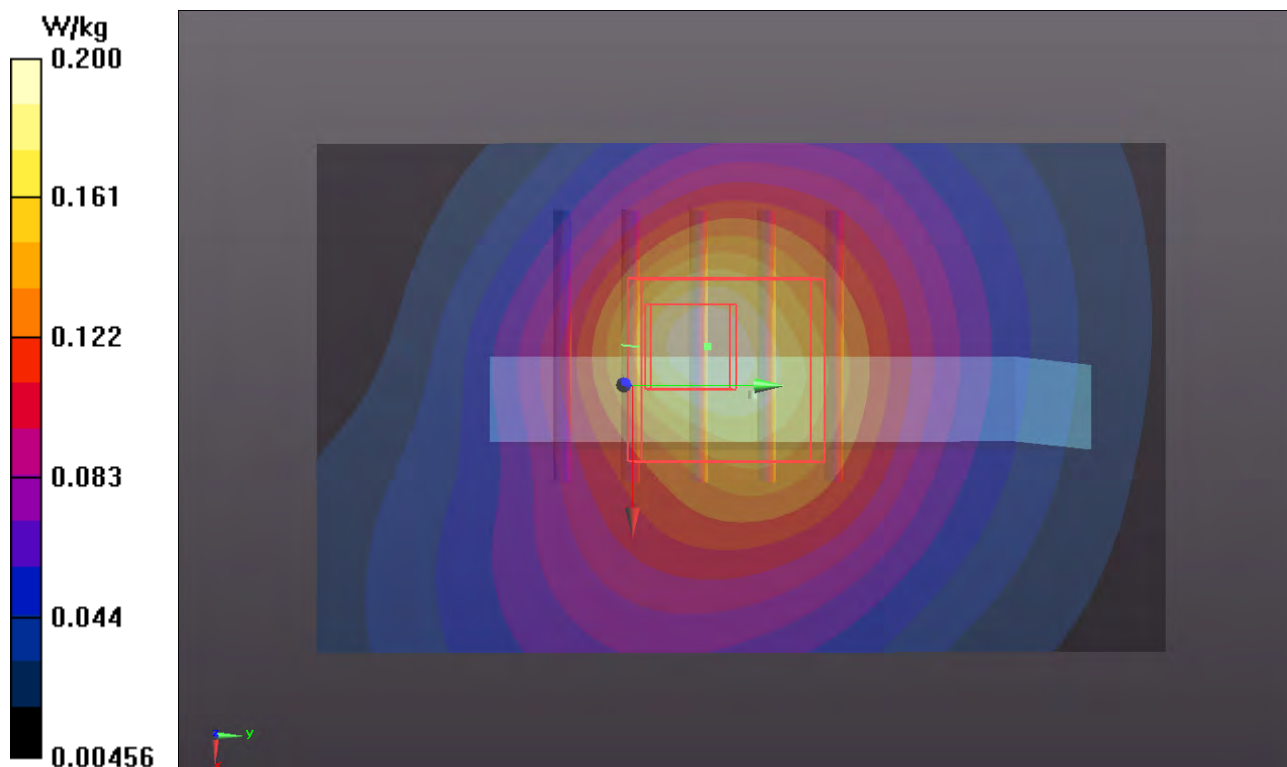
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.995 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.219 mW/g

SAR(1 g) = 0.139 mW/g; SAR(10 g) = 0.095 mW/g

Maximum value of SAR (measured) = 0.180 W/kg



P453 LTE 5_16QAM_10M_Front Face_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.415 W/kg

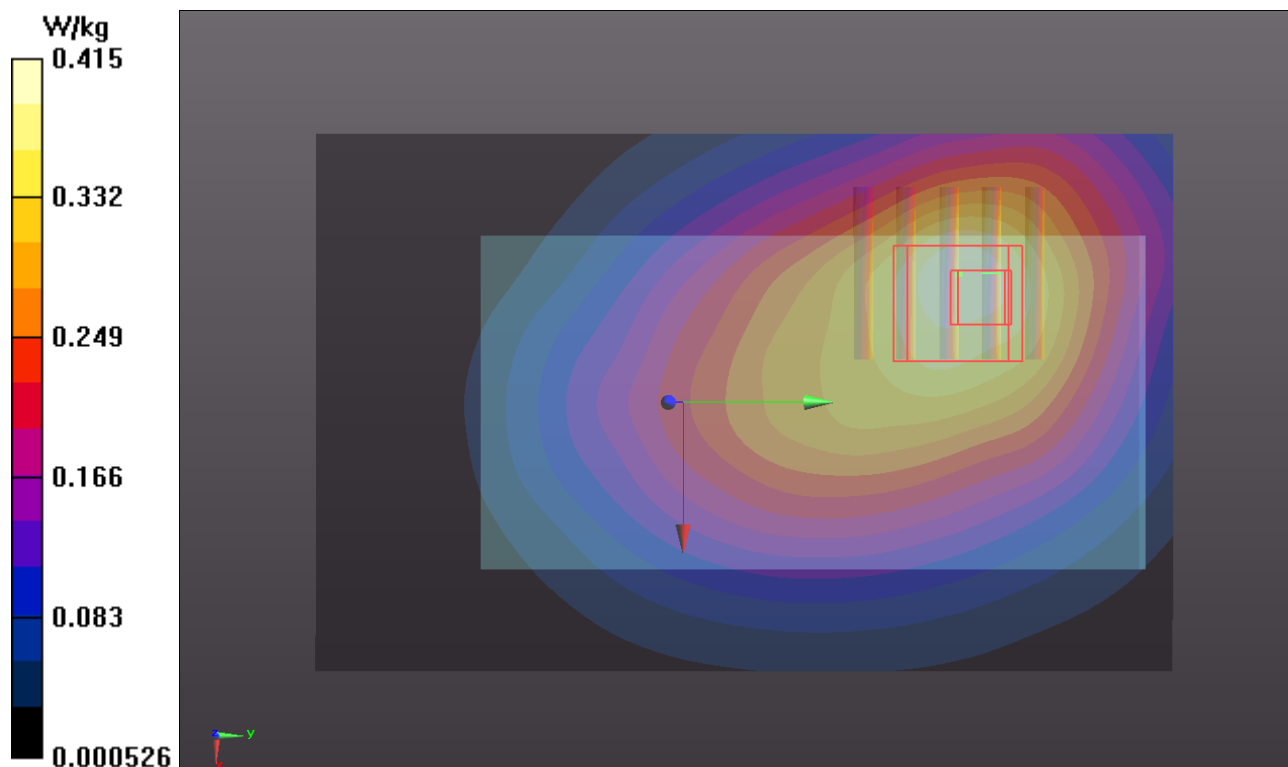
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.578 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.475 mW/g

SAR(1 g) = 0.350 mW/g; SAR(10 g) = 0.251 mW/g

Maximum value of SAR (measured) = 0.413 W/kg



P375 LTE 5_16QAM_10M_Rear Face_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.899 W/kg

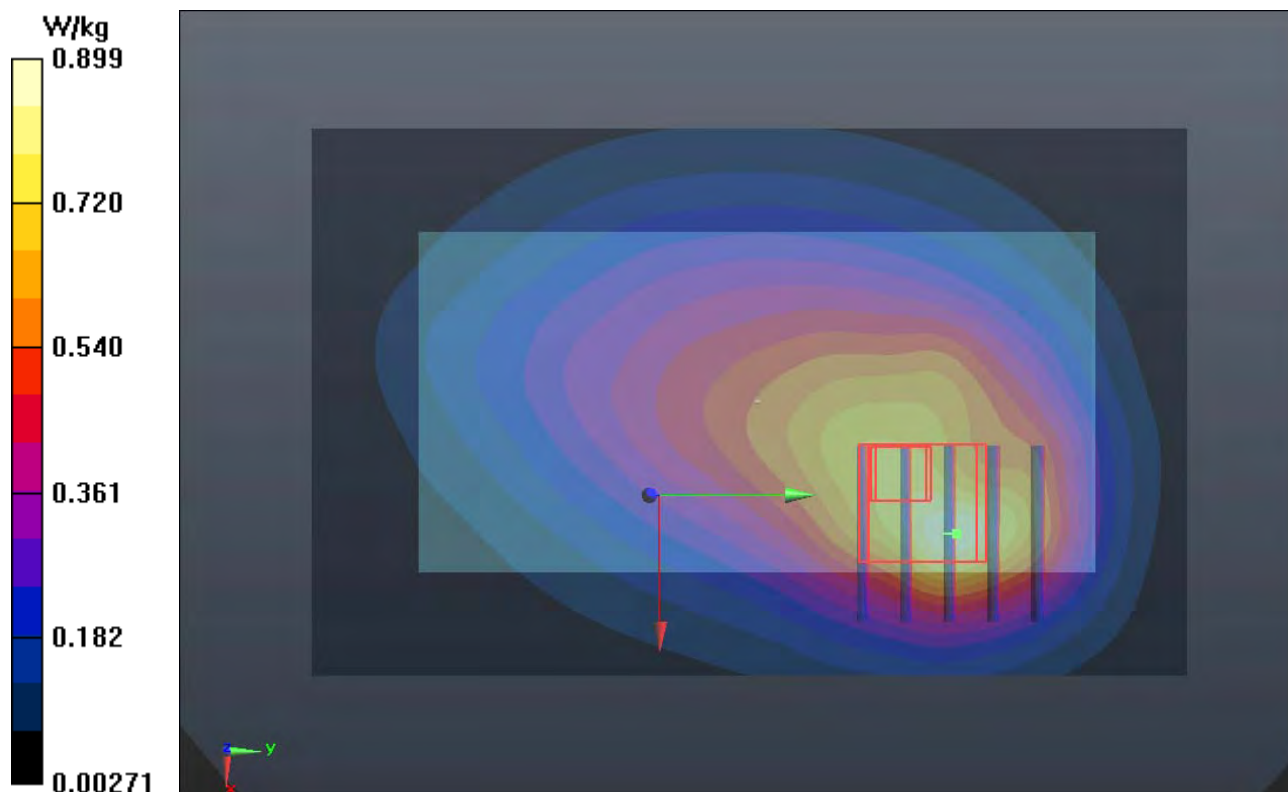
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.720 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 1.054 mW/g

SAR(1 g) = 0.628 mW/g; SAR(10 g) = 0.414 mW/g

Maximum value of SAR (measured) = 0.844 W/kg



P454 LTE 5_16QAM_10M_Left Side_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.415 W/kg

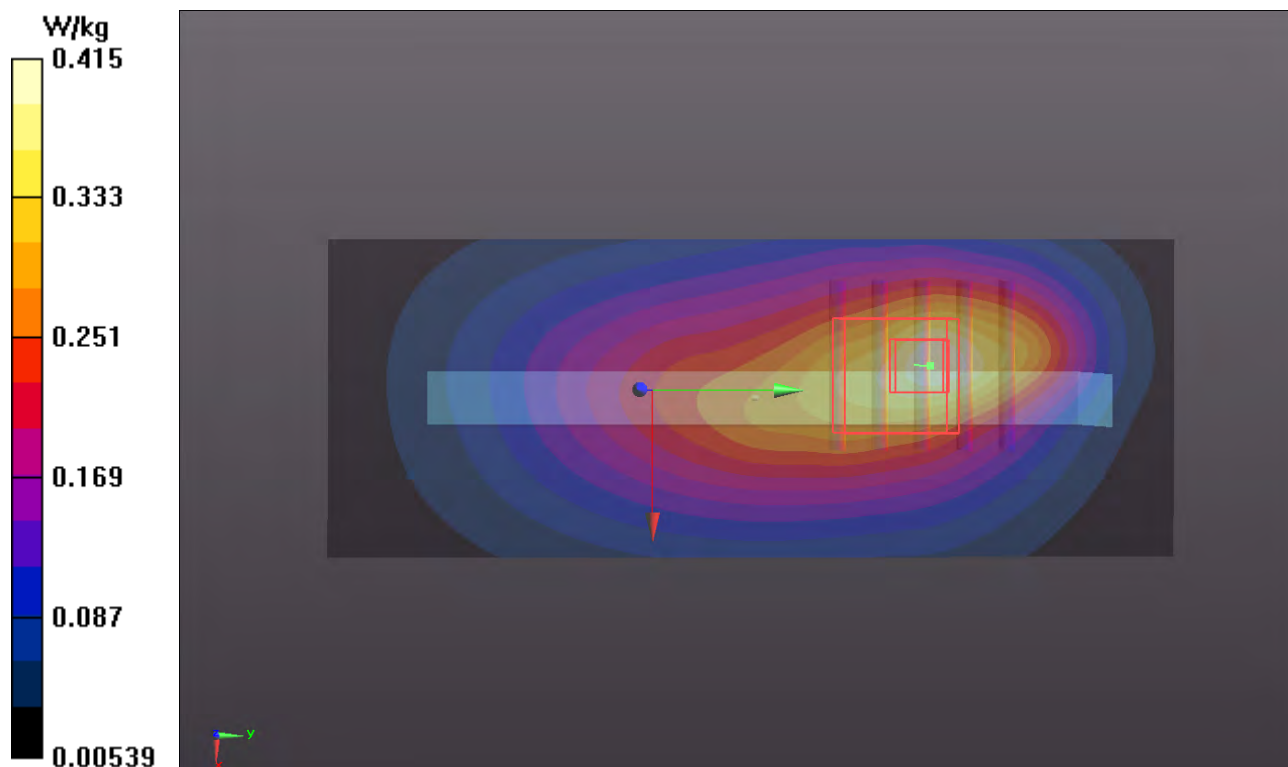
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.373 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.487 mW/g

SAR(1 g) = 0.302 mW/g; SAR(10 g) = 0.193 mW/g

Maximum value of SAR (measured) = 0.408 W/kg



P455 LTE 5_16QAM_10M_Top Side_1cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

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

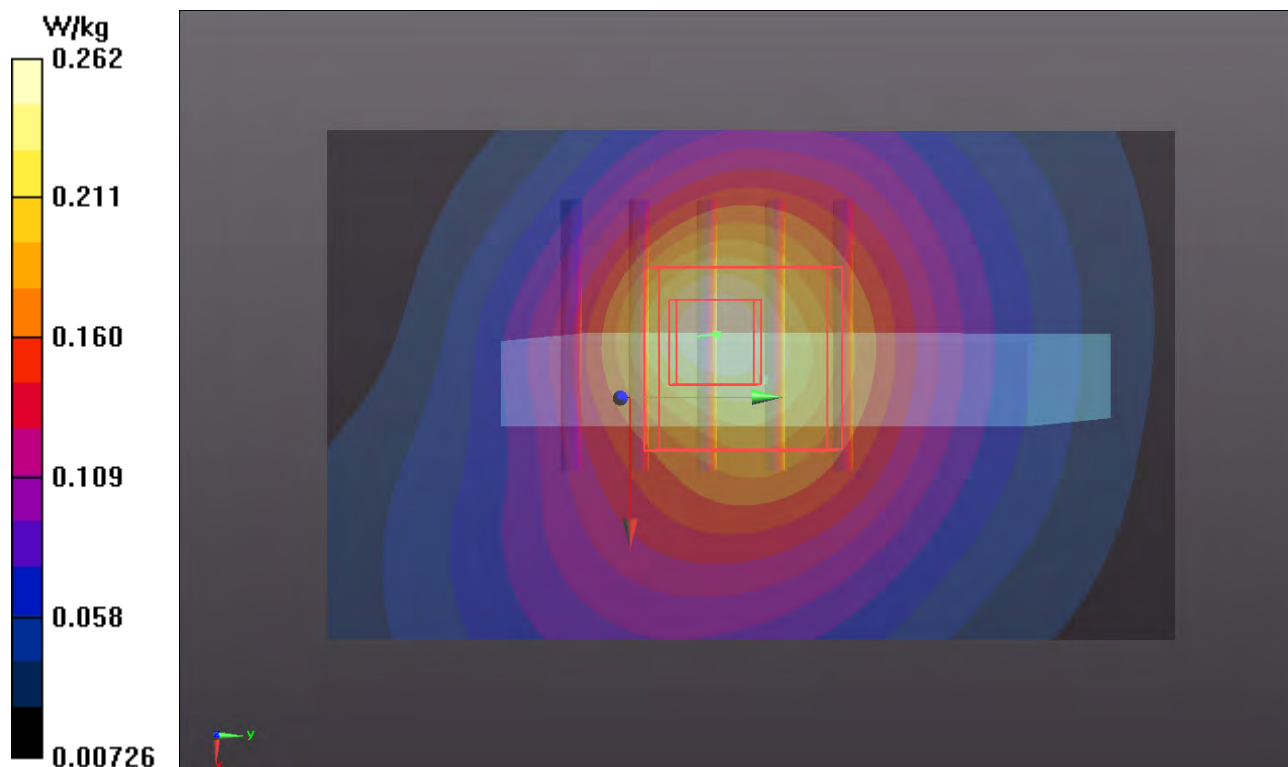
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.535 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.277 mW/g

SAR(1 g) = 0.179 mW/g; SAR(10 g) = 0.122 mW/g

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



P456 LTE 5_16QAM_10M_Front Face_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.473 W/kg

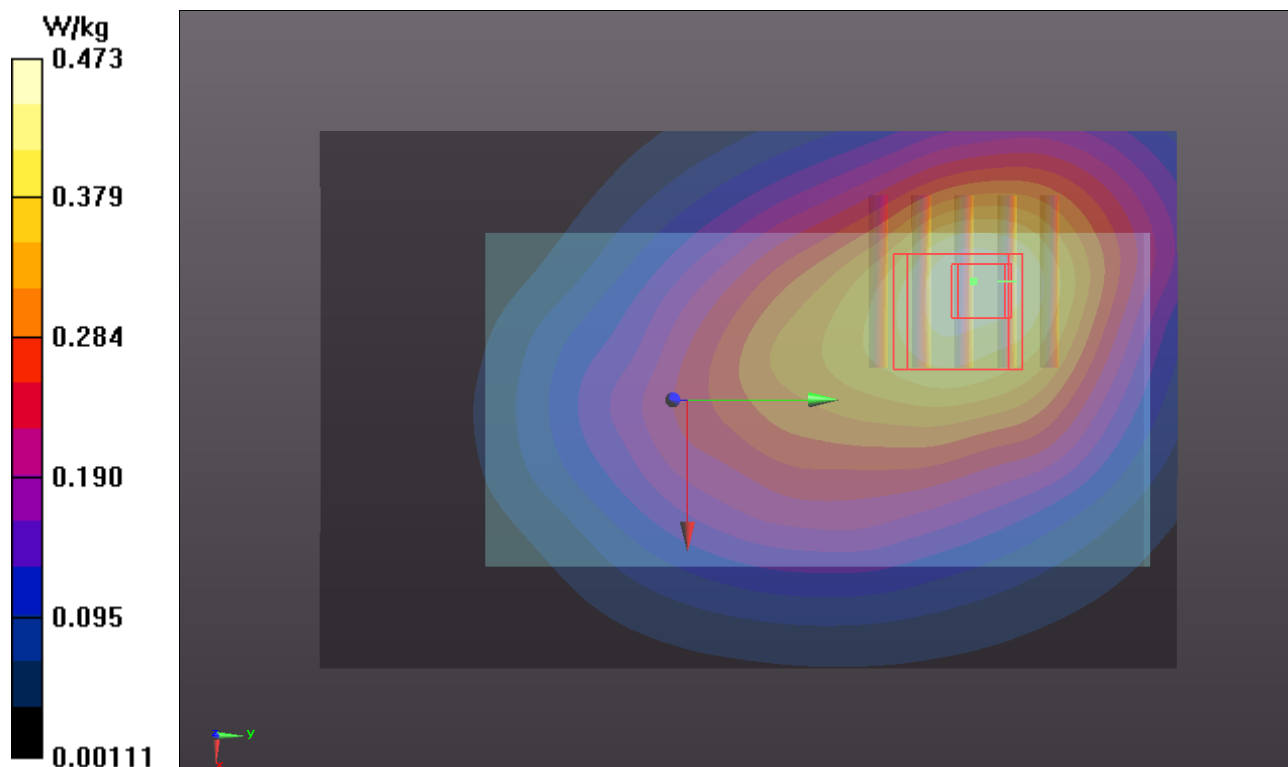
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.048 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.522 mW/g

SAR(1 g) = 0.376 mW/g; SAR(10 g) = 0.275 mW/g

Maximum value of SAR (measured) = 0.452 W/kg



P376 LTE 5_16QAM_10M_Rear Face_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0920 Medium parameters used: $f = 829$ MHz; $\sigma = 0.974$ mho/m; $\epsilon_r = 56.002$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.12, 9.12, 9.12); 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) = 0.967 W/kg

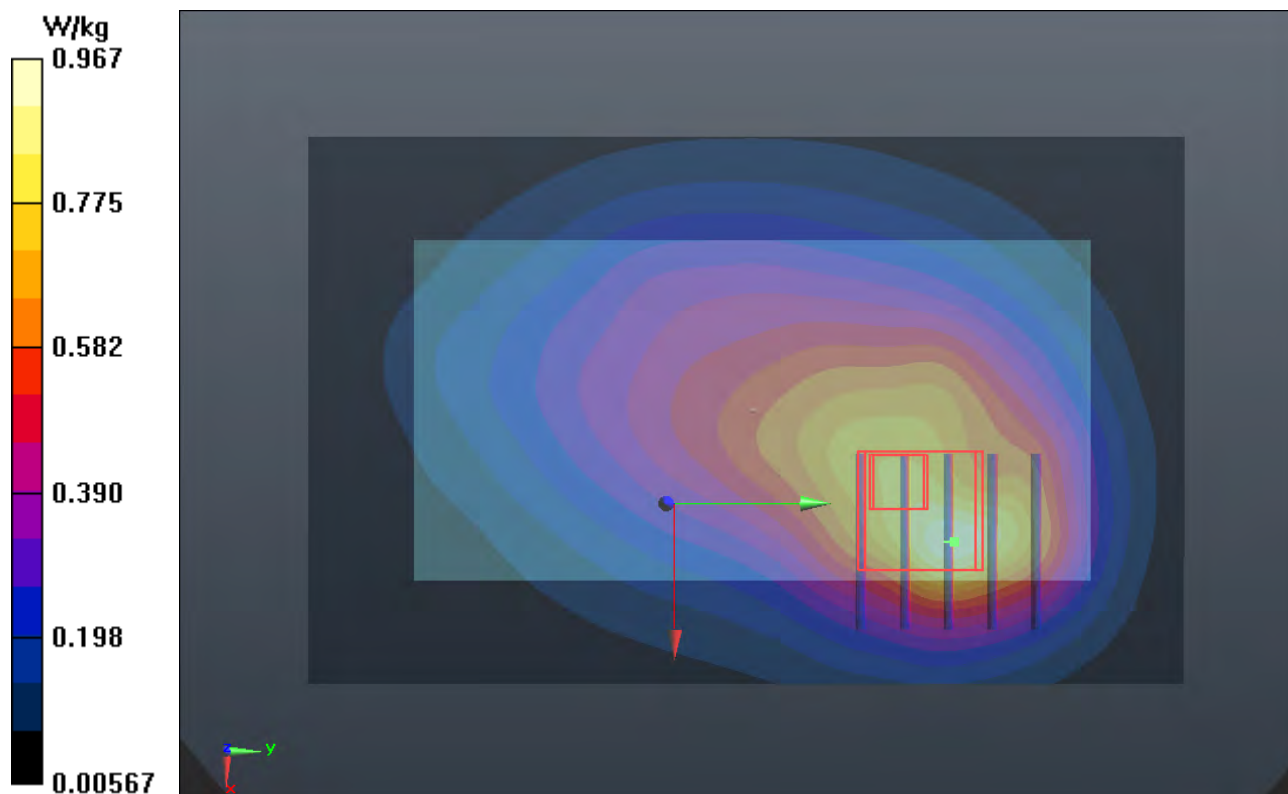
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 24.096 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.125 mW/g

SAR(1 g) = 0.674 mW/g; SAR(10 g) = 0.439 mW/g

Maximum value of SAR (measured) = 0.896 W/kg



P457 LTE 5_16QAM_10M_Left Side_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (31x81x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.441 W/kg

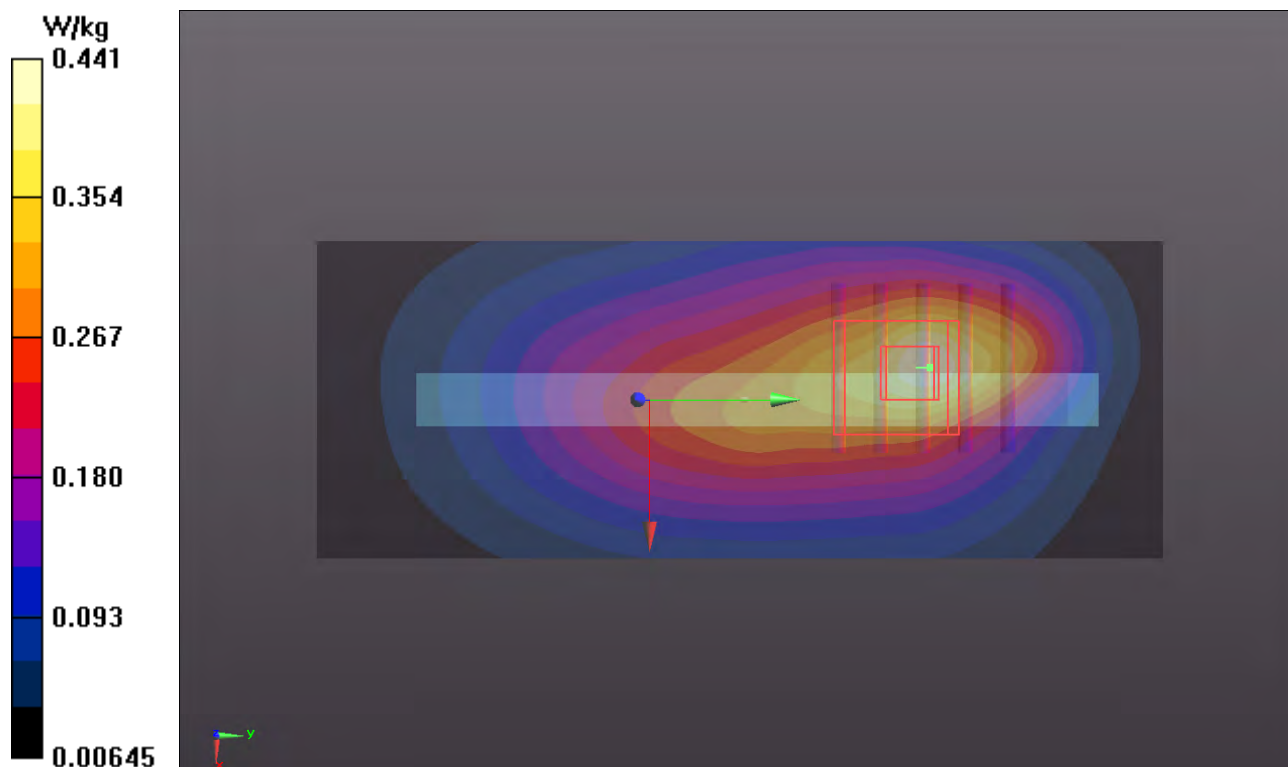
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.746 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.526 mW/g

SAR(1 g) = 0.330 mW/g; SAR(10 g) = 0.209 mW/g

Maximum value of SAR (measured) = 0.437 W/kg



P458 LTE 5_16QAM_10M_Top Side_1cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (2); SEMCAD X Version 14.6.6 (6824)

Ch20450/Area Scan (31x51x1): Measurement grid: dx=20mm, dy=20mm

Maximum value of SAR (interpolated) = 0.293 W/kg

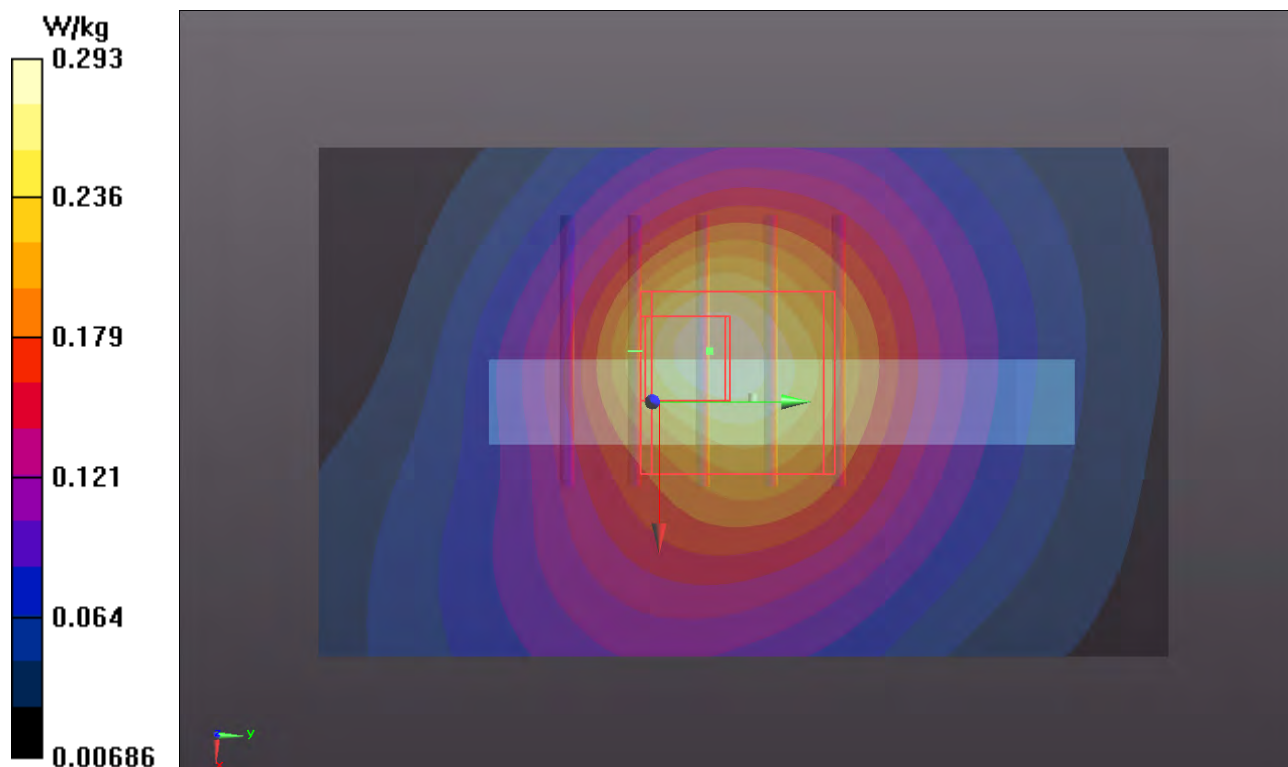
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.144 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.321 mW/g

SAR(1 g) = 0.199 mW/g; SAR(10 g) = 0.137 mW/g

Maximum value of SAR (measured) = 0.264 W/kg



**P310 LTE 5_QPSK_10M_Front Face_2.5cm_Ch20450_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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) = 0.117 W/kg

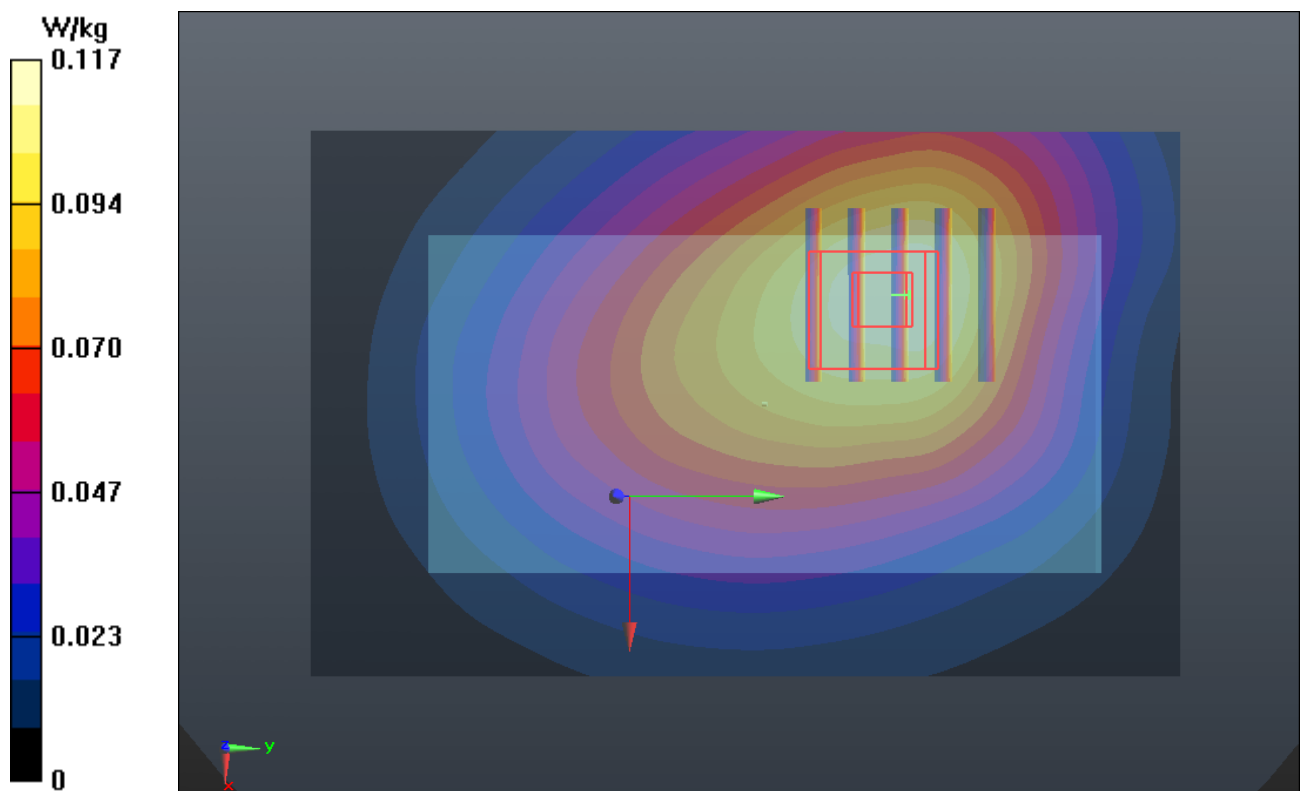
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.569 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.130 mW/g

SAR(1 g) = 0.098 mW/g; SAR(10 g) = 0.073 mW/g

Maximum value of SAR (measured) = 0.115 W/kg



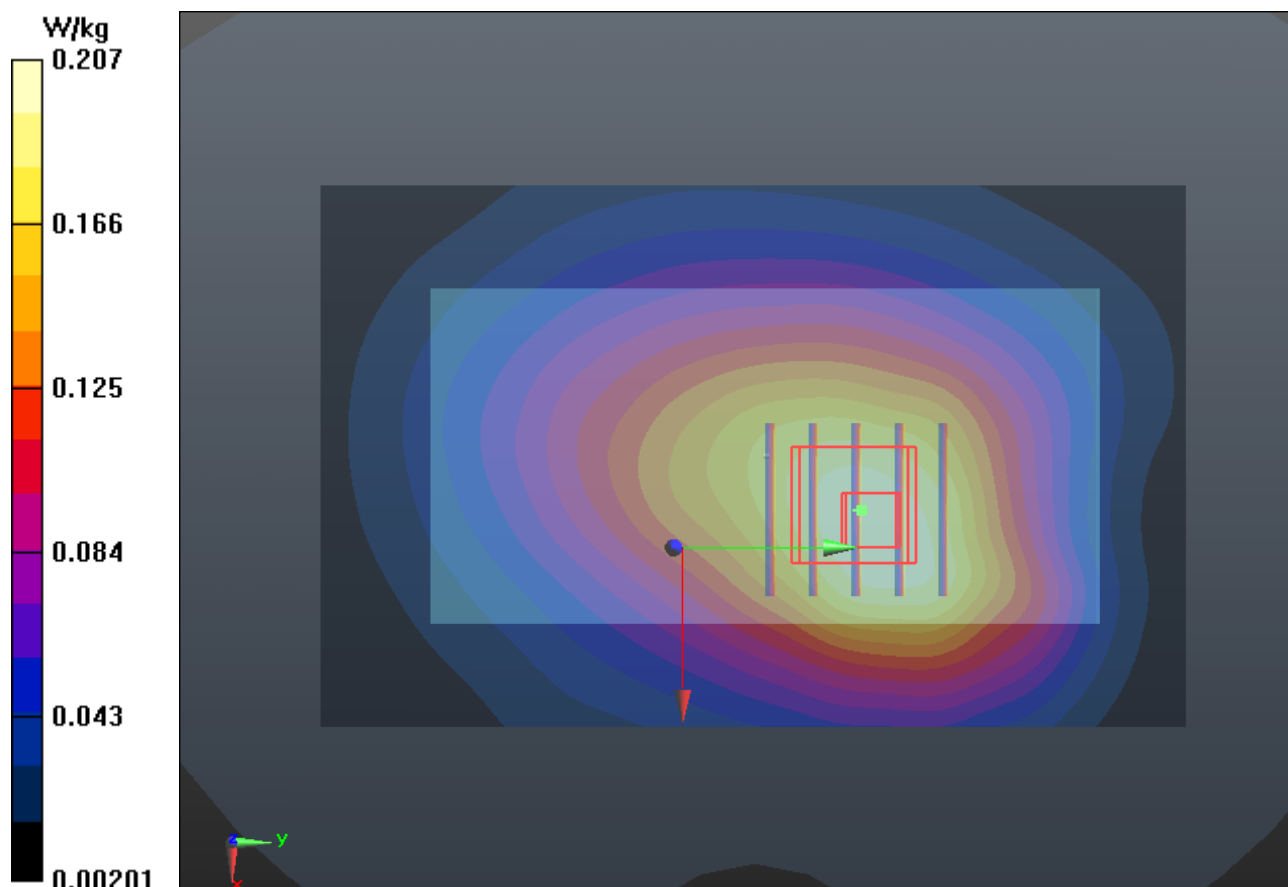
**P311 LTE 5_QPSK_10M_Rear Face_2.5cm_Ch20450_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 21.4°C ; Liquid Temperature : 20.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.207 W/kg **Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 13.317 V/m ; Power Drift = -0.09 dB Peak SAR (extrapolated) = 0.236 mW/g **SAR(1 g) = 0.175 mW/g ; SAR(10 g) = 0.127 mW/g** Maximum value of SAR (measured) = 0.207 W/kg 

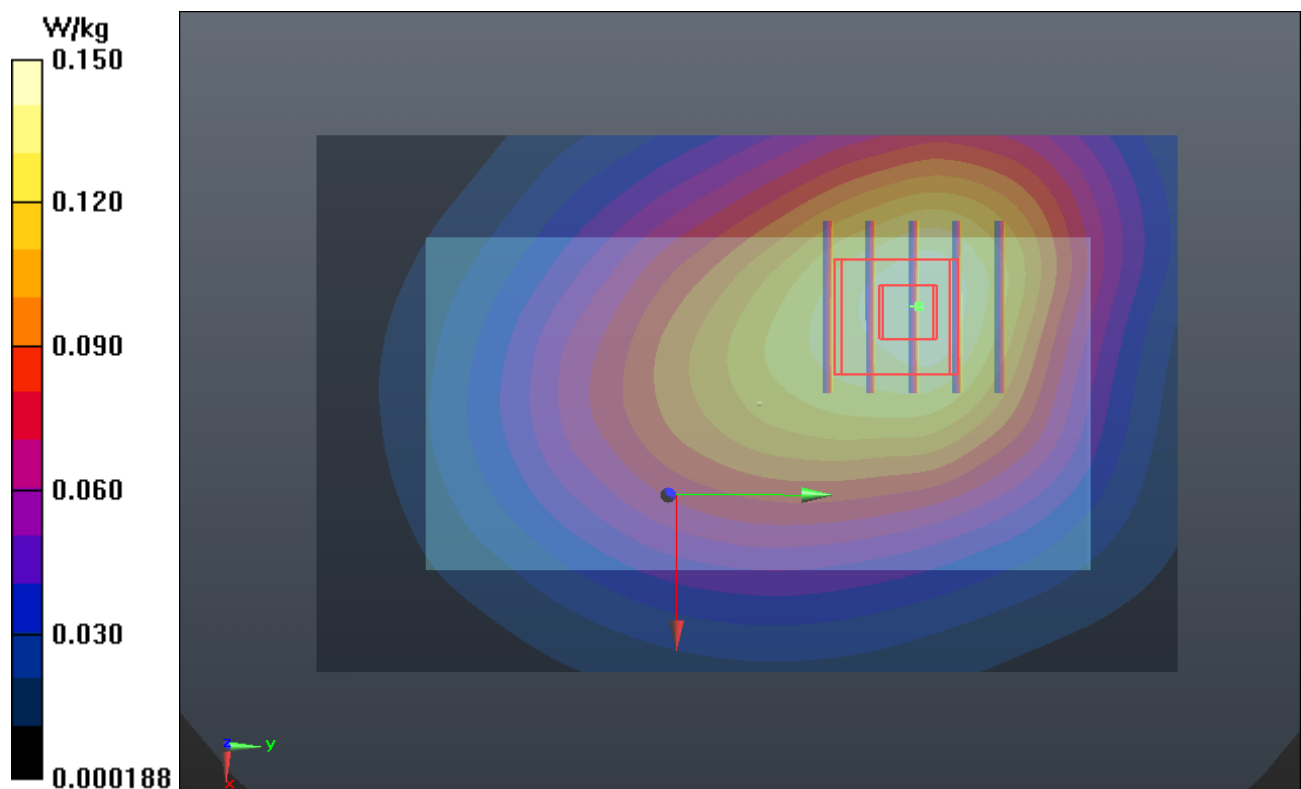
**P312 LTE 5_QPSK_10M_Front Face_2.5cm_Ch20450_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 21.4°C ; Liquid Temperature : 20.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.150 W/kg **Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 10.935 V/m ; Power Drift = 0.03 dB Peak SAR (extrapolated) = 0.167 mW/g **SAR(1 g) = 0.126 mW/g ; SAR(10 g) = 0.093 mW/g** Maximum value of SAR (measured) = 0.149 W/kg 

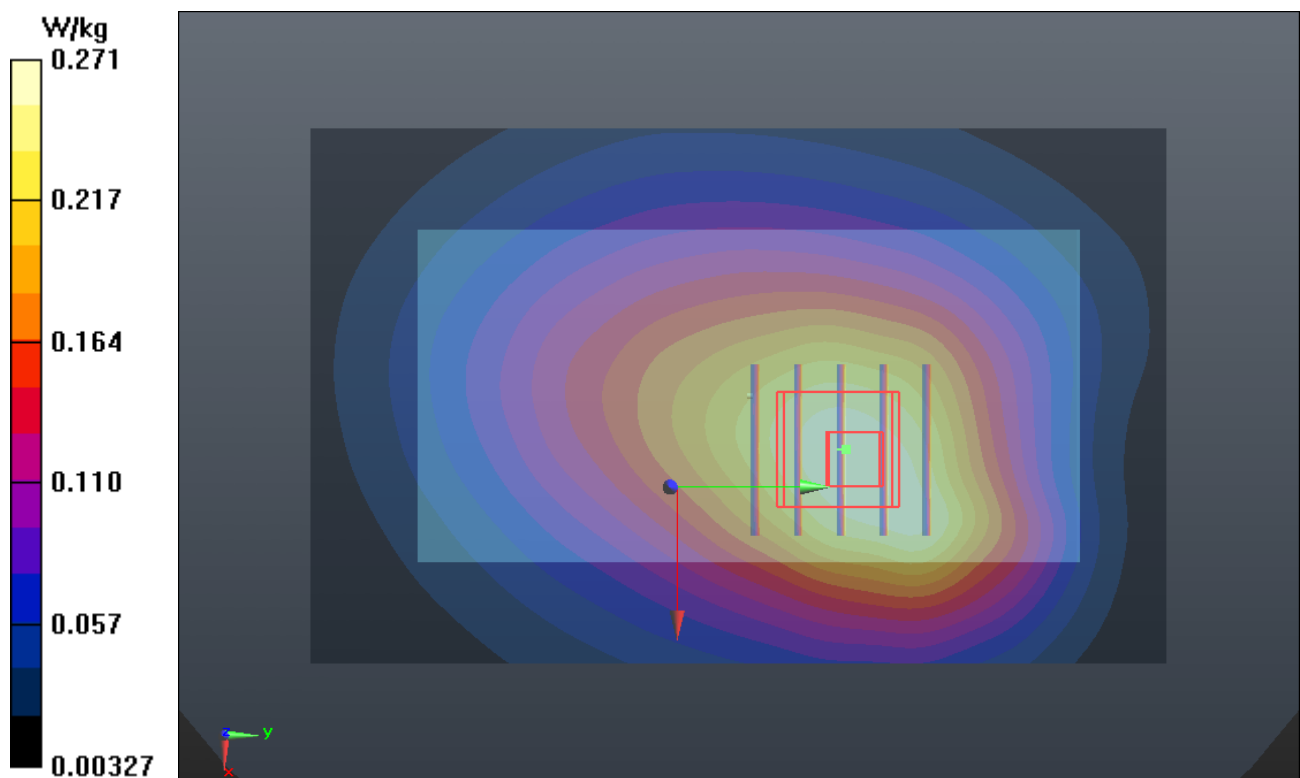
**P313 LTE 5_QPSK_10M_Rear Face_2.5cm_Ch20450_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 21.4°C ; Liquid Temperature : 20.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.271 W/kg **Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 15.001 V/m ; Power Drift = 0.05 dB Peak SAR (extrapolated) = 0.311 mW/g **SAR(1 g) = 0.229 mW/g ; SAR(10 g) = 0.166 mW/g** Maximum value of SAR (measured) = 0.271 W/kg 

**P314 LTE 5_QPSK_10M_Front Face_2.5cm_Ch20450_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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) = 0.161 W/kg

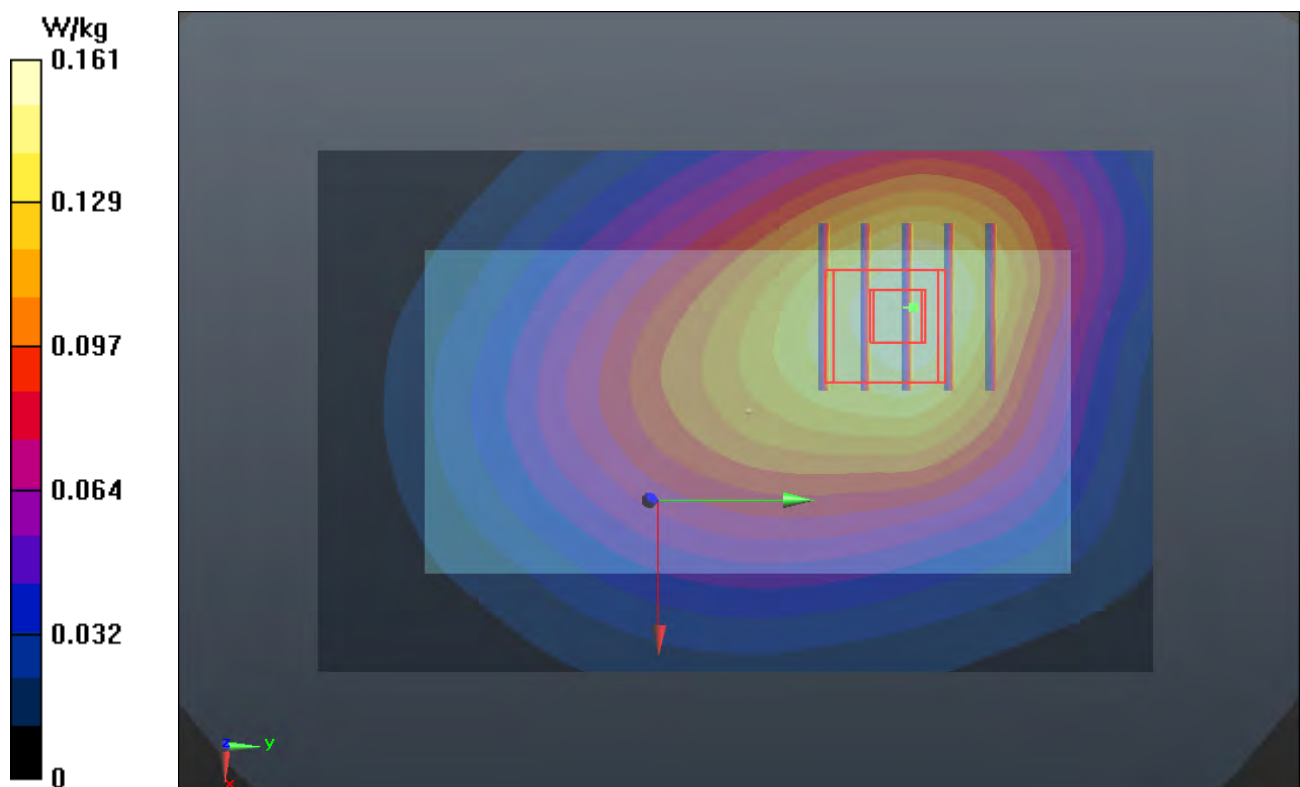
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.901 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.181 mW/g

SAR(1 g) = 0.136 mW/g; SAR(10 g) = 0.100 mW/g

Maximum value of SAR (measured) = 0.161 W/kg



**P315 LTE 5_QPSK_10M_Rear Face_2.5cm_Ch20450_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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) = 0.288 W/kg

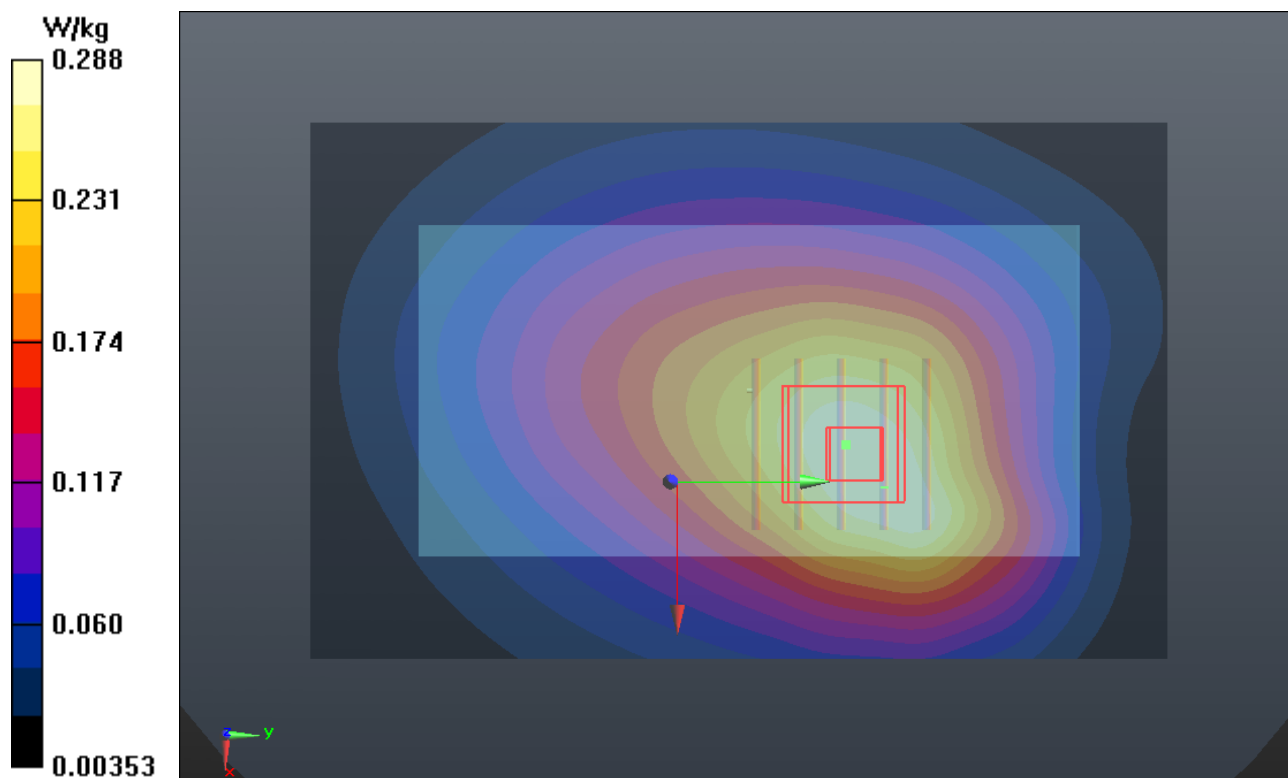
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.338 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.338 mW/g

SAR(1 g) = 0.246 mW/g; SAR(10 g) = 0.177 mW/g

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



P459 LTE 5_16QAM_10M_Front Face_2.5cm_Ch20450_25RB_Offset 12**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.159 W/kg

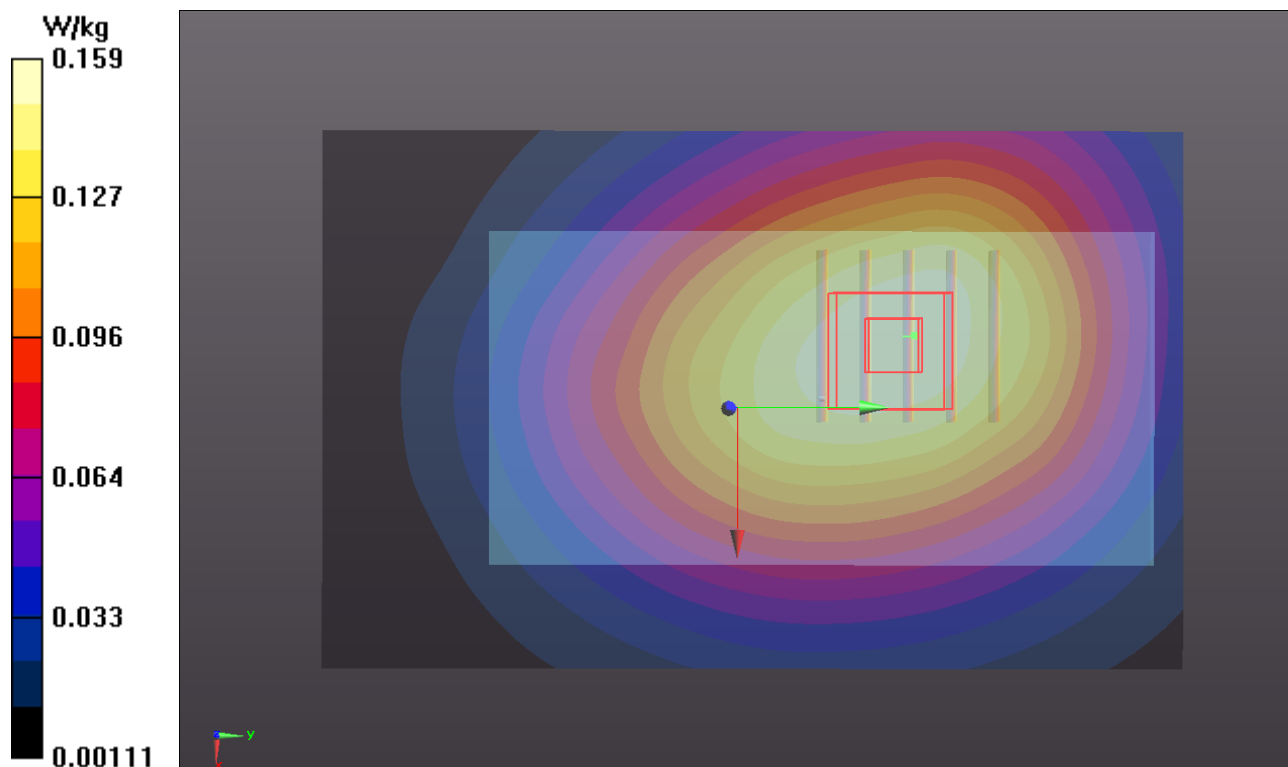
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.462 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.176 mW/g

SAR(1 g) = 0.138 mW/g; SAR(10 g) = 0.105 mW/g

Maximum value of SAR (measured) = 0.160 W/kg



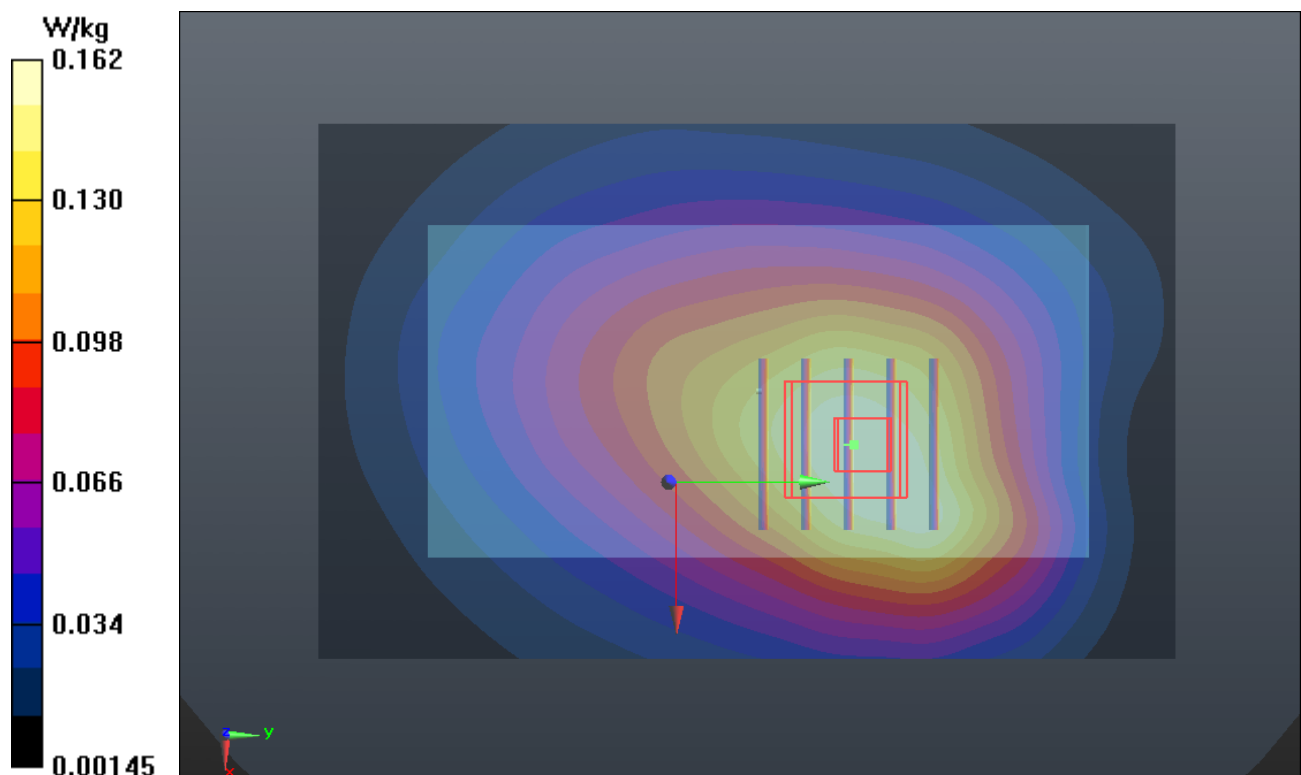
**P316 LTE 5_16QAM_10M_Rear Face_2.5cm_Ch20450_Earphone
Off_25RB_Offset 12****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 21.4°C ; Liquid Temperature : 20.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.162 W/kg **Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 11.699 V/m ; Power Drift = -0.06 dB Peak SAR (extrapolated) = 0.191 mW/g **SAR(1 g) = 0.141 mW/g ; SAR(10 g) = 0.102 mW/g** Maximum value of SAR (measured) = 0.168 W/kg 

P460 LTE 5_16QAM_10M_Front Face_2.5cm_Ch20450_1RB_Offset 0**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.202 W/kg

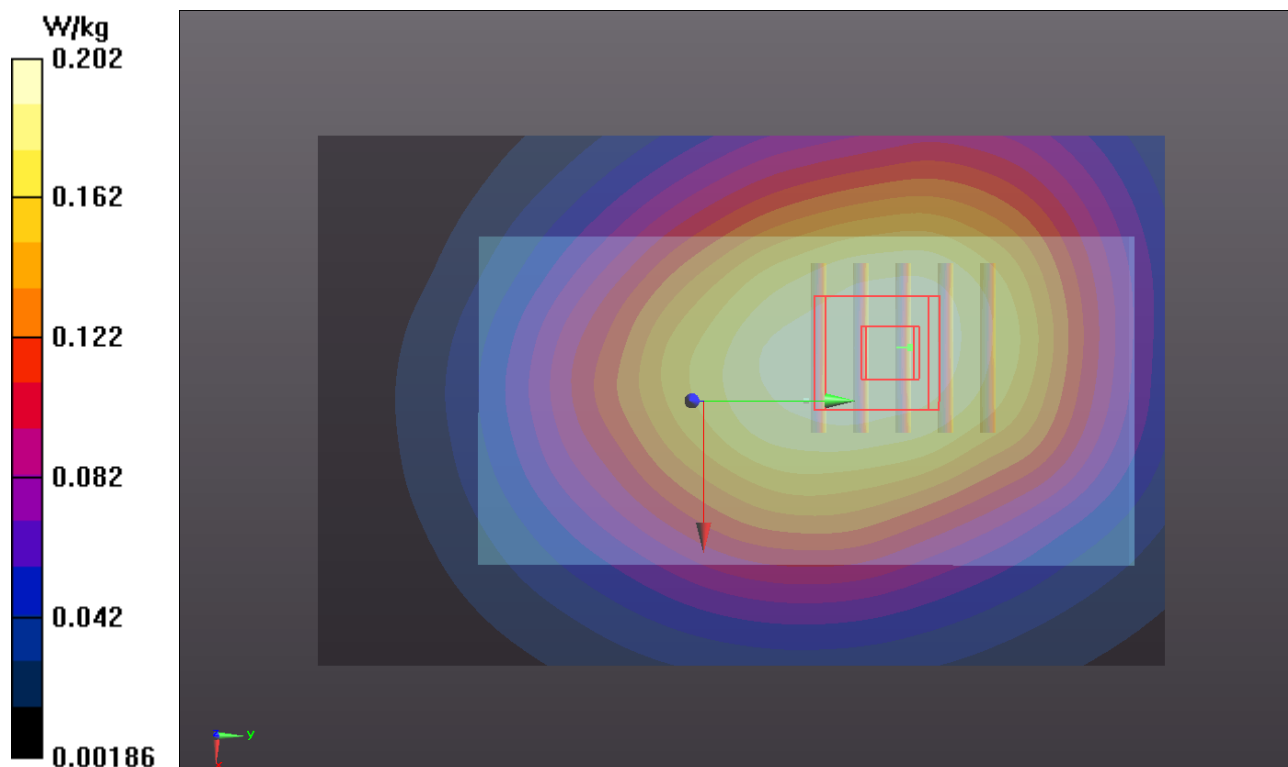
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.171 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.236 mW/g

SAR(1 g) = 0.184 mW/g; SAR(10 g) = 0.138 mW/g

Maximum value of SAR (measured) = 0.214 W/kg



**P317 LTE 5_16QAM_10M_Rear Face_2.5cm_Ch20450_Earphone
Off_1RB_Offset 0****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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) = 0.216 W/kg

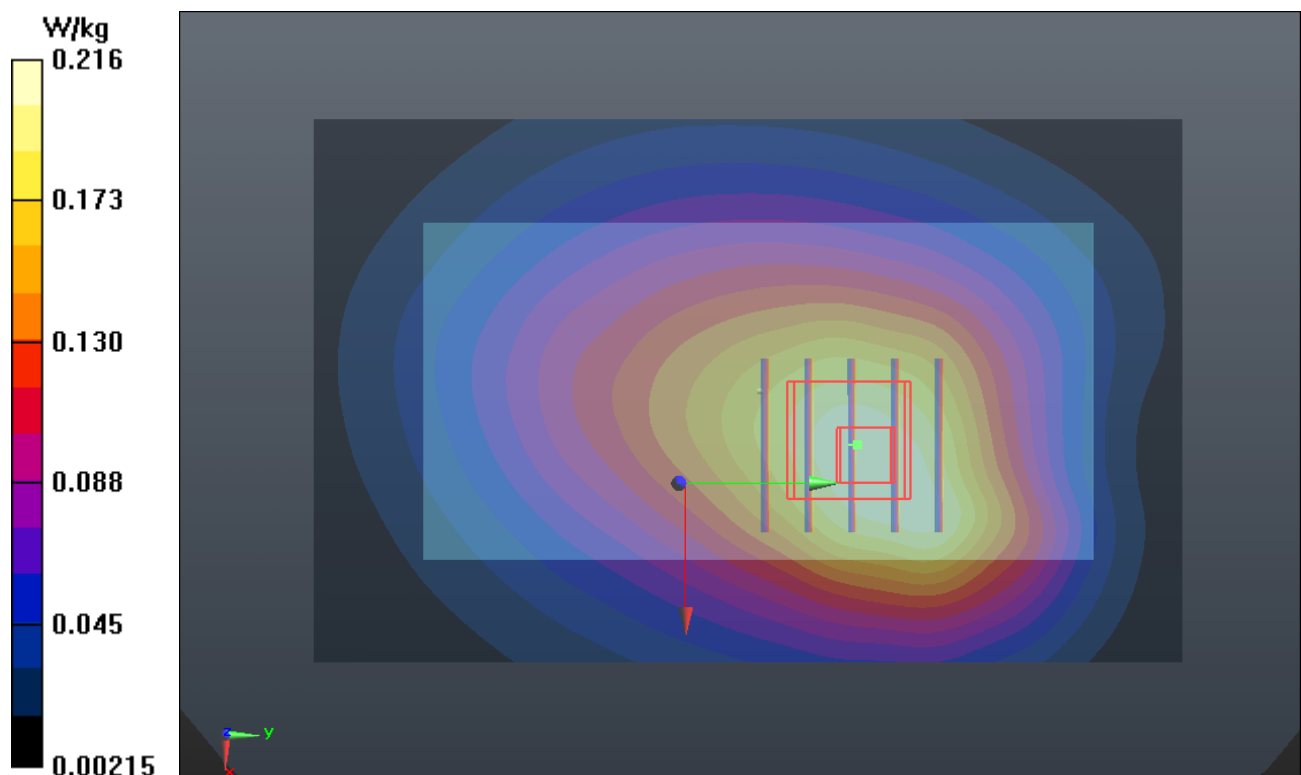
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.447 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.246 mW/g

SAR(1 g) = 0.182 mW/g; SAR(10 g) = 0.132 mW/g

Maximum value of SAR (measured) = 0.215 W/kg



P461 LTE 5_16QAM_10M_Front Face_2.5cm_Ch20450_1RB_Offset 49**DUT: 120822C31**

Communication System: LTE; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_1016 Medium parameters used: $f = 829$ MHz; $\sigma = 0.987$ mho/m; $\epsilon_r = 56.697$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2012/04/27
- Phantom: ELI v4.0; Type: QDOVA001BA; Serial: TP:1043
- 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) = 0.240 W/kg

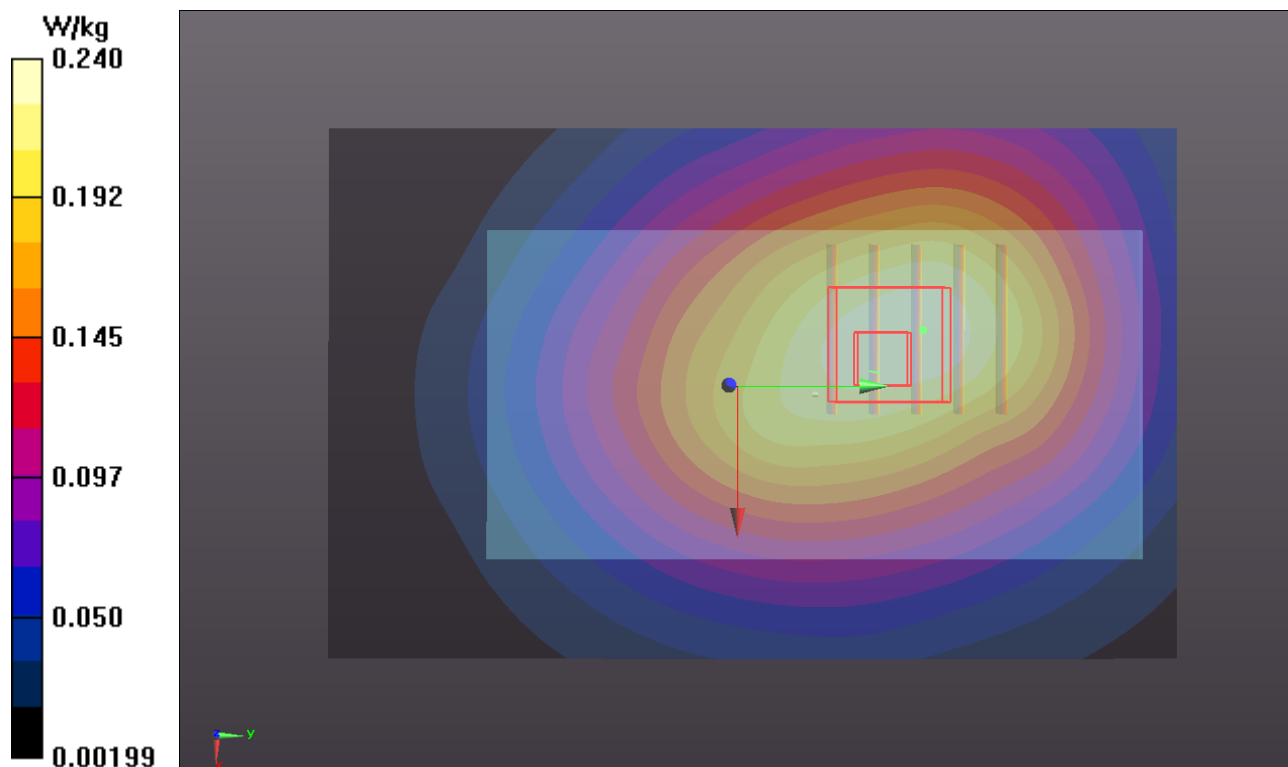
Ch20450/Zoom Scan (5x5x7)/Cube 0: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.153 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.258 mW/g

SAR(1 g) = 0.198 mW/g; SAR(10 g) = 0.148 mW/g

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



**P318 LTE 5_16QAM_10M_Rear Face_2.5cm_Ch20450_Earphone
Off_1RB_Offset 49****DUT: 120822C31**

Communication System: LTE ; Frequency: 829 MHz; Duty Cycle: 1:1

Medium: B835_0907 Medium parameters used: $f = 829$ MHz; $\sigma = 0.971$ mho/m; $\epsilon_r = 55.651$; $\rho =$ 1000 kg/m^3 Ambient Temperature : 21.4°C ; Liquid Temperature : 20.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.94, 9.94, 9.94); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- 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: $dx=20\text{mm}$, $dy=20\text{mm}$ Maximum value of SAR (interpolated) = 0.234 W/kg **Ch20450/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$ Reference Value = 13.738 V/m ; Power Drift = -0.03 dB Peak SAR (extrapolated) = 0.269 mW/g **SAR(1 g) = 0.198 mW/g ; SAR(10 g) = 0.142 mW/g** Maximum value of SAR (measured) = 0.234 W/kg 