



Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

P01 GSM850_GPRS11_Right Cheek_Ch128

DUT: 130722C07

Communication System: GPRS11; Frequency: 824.2 MHz; Duty Cycle: 1:2.67

Medium: H835_0816 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.905$ S/m; $\epsilon_r = 42.893$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.120 W/kg

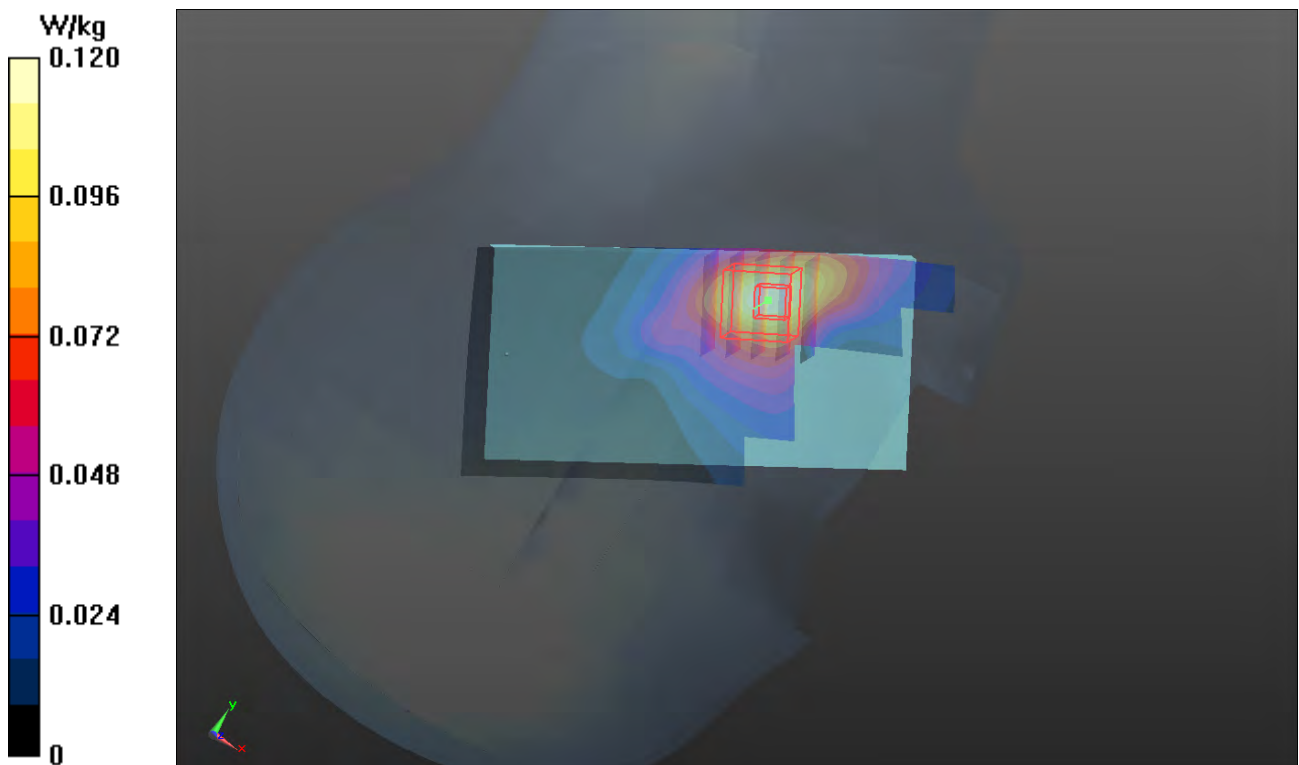
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.956 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.121 W/kg

SAR(1 g) = 0.089 W/kg; SAR(10 g) = 0.062 W/kg

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



P02 GSM1900_GPRS12_Left Cheek_Ch810

DUT: 130722C07

Communication System: GPRS12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: H1900_0816 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.419$ S/m; $\epsilon_r = 39.565$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.7, 8.7, 8.7); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.861 W/kg

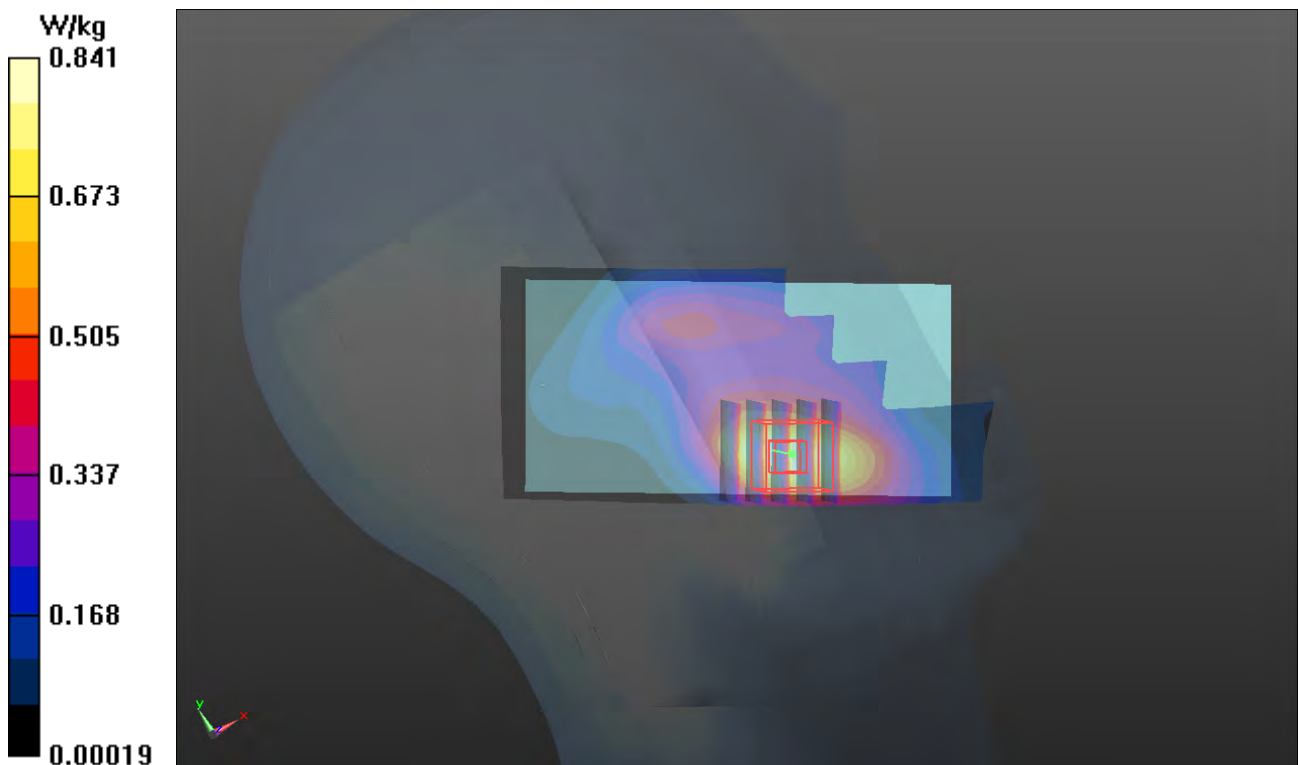
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.202 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 1.01 W/kg

SAR(1 g) = 0.649 W/kg; SAR(10 g) = 0.381 W/kg

Maximum value of SAR (measured) = 0.841 W/kg



P03 WCDMA II_RMC12.2K_Left Cheek_Ch9400

DUT: 130722C07

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

Medium: H1900_0816 Medium parameters used: $f = 1880$ MHz; $\sigma = 1.377$ S/m; $\epsilon_r = 39.708$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.7, 8.7, 8.7); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.21 W/kg

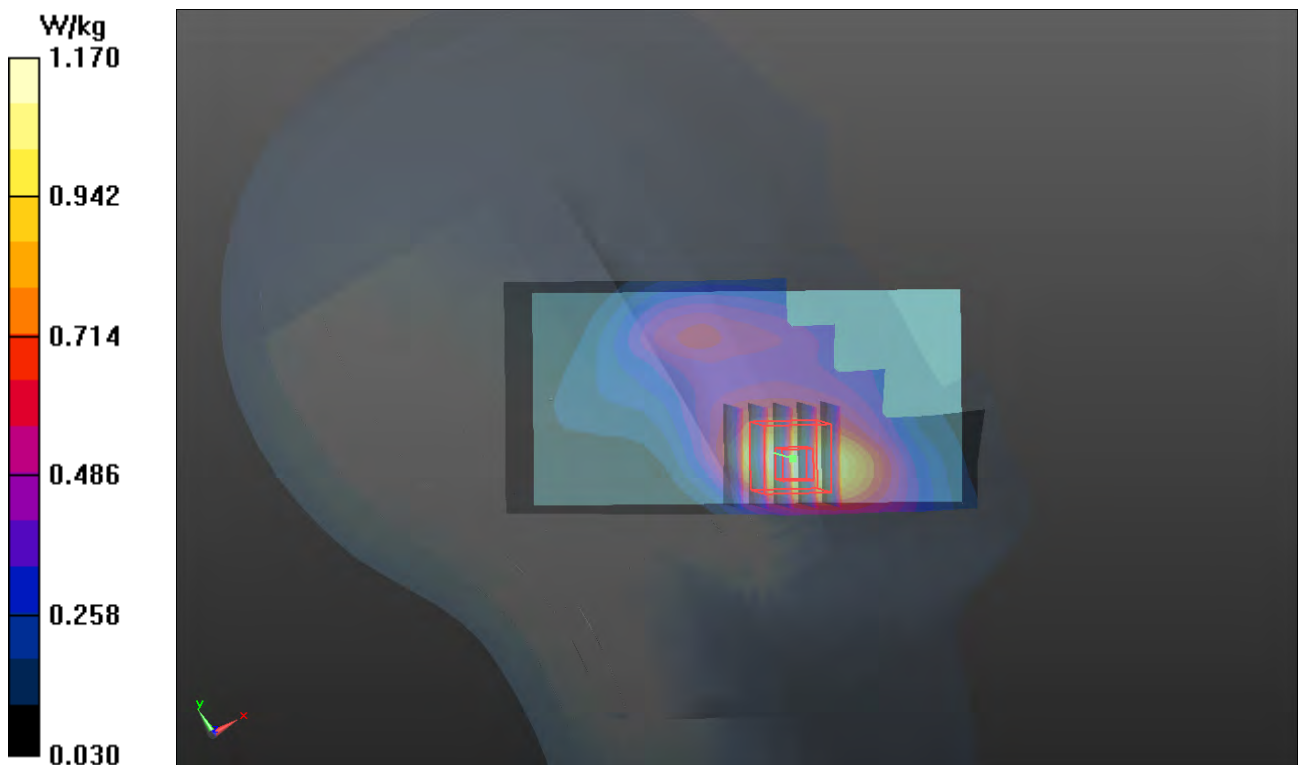
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.332 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 1.43 W/kg

SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.552 W/kg

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



P04 WCDMA V_RMC12.2K_Right Cheek_Ch4182

DUT: 130722C07

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

Medium: H835_0816 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.917$ S/m; $\epsilon_r = 42.735$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

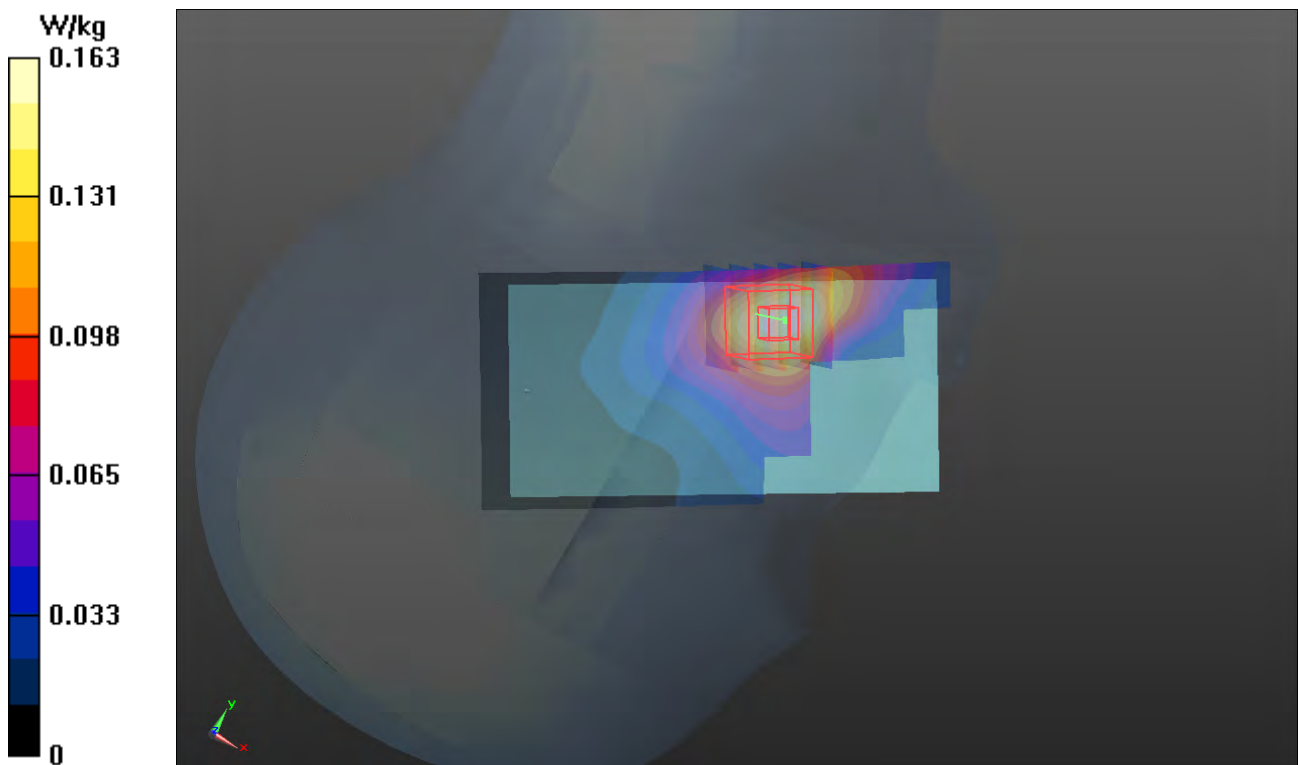
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.070 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.172 W/kg

SAR(1 g) = 0.130 W/kg; SAR(10 g) = 0.091 W/kg

Maximum value of SAR (measured) = 0.155 W/kg



P05 LTE 4_QPSK_20M_Left Cheek_Ch20050_1RB_OS50

DUT: 130722C07

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

Medium: H1750_0816 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.319$ S/m; $\epsilon_r = 38.999$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.5 °C

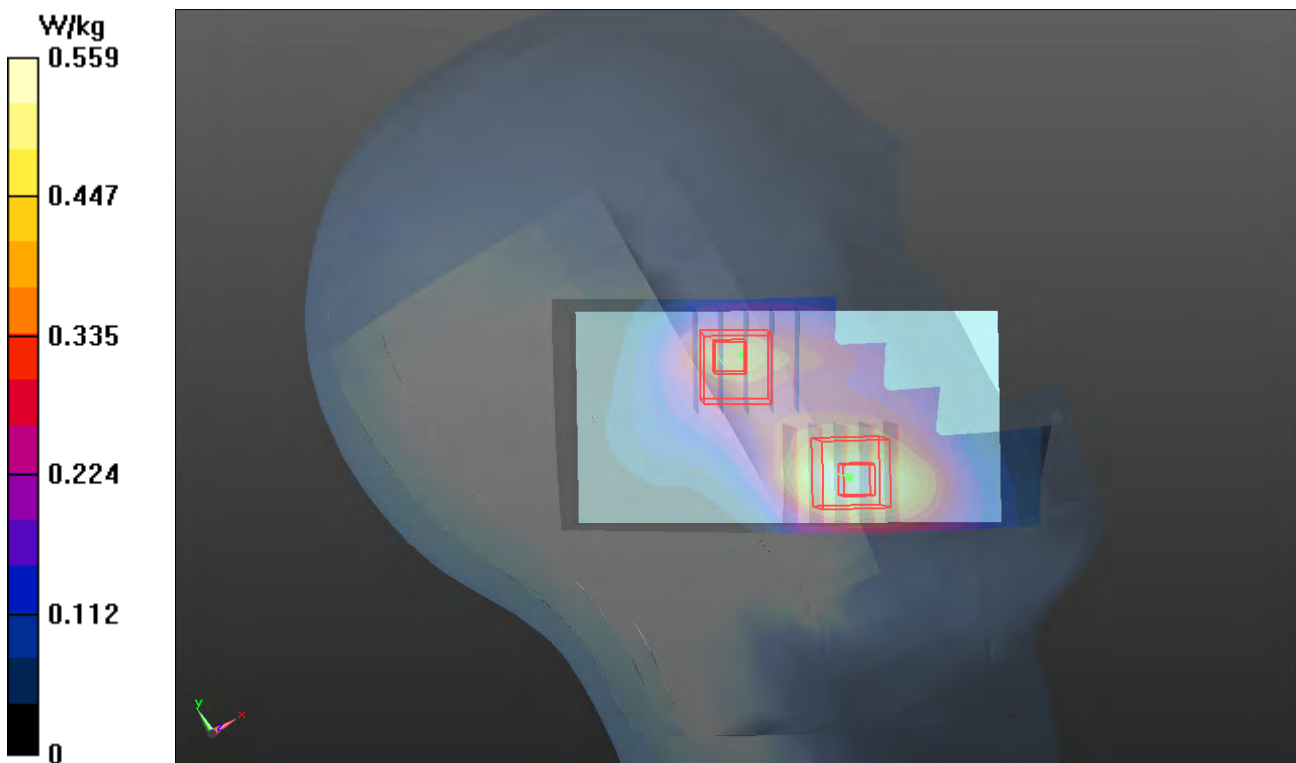
DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.89, 8.89, 8.89); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.559 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.465 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.613 W/kg
SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.280 W/kg
Maximum value of SAR (measured) = 0.518 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 5.465 V/m; Power Drift = 0.18 dB
Peak SAR (extrapolated) = 0.476 W/kg
SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.219 W/kg
Maximum value of SAR (measured) = 0.402 W/kg



P06 LTE 7_QPSK_20M_Left Cheek_Ch21100_1RB_OS0

DUT: 130722C07

Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: H2600_0820 Medium parameters used: $f = 2535$ MHz; $\sigma = 1.973$ S/m; $\epsilon_r = 38.013$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.26, 7.26, 7.26); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.679 W/kg

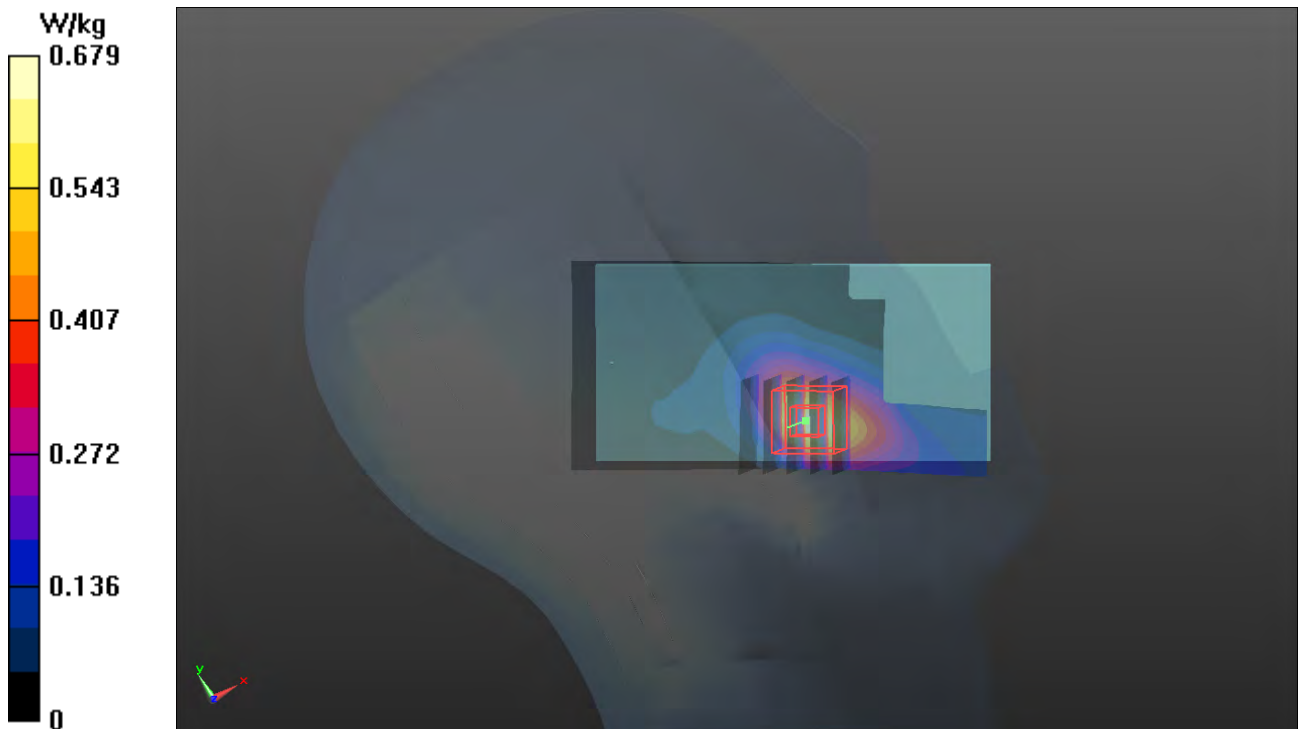
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.930 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.889 W/kg

SAR(1 g) = 0.470 W/kg; SAR(10 g) = 0.242 W/kg

Maximum value of SAR (measured) = 0.521 W/kg



P07 LTE 17_QPSK_10M_Right Cheek_Ch23780_1RB_OS49

DUT: 130722C07

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: H750_0820 Medium parameters used: $f = 709$ MHz; $\sigma = 0.859$ S/m; $\epsilon_r = 40.768$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(9.39, 9.39, 9.39); Calibrated: 2013/06/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.536 W/kg

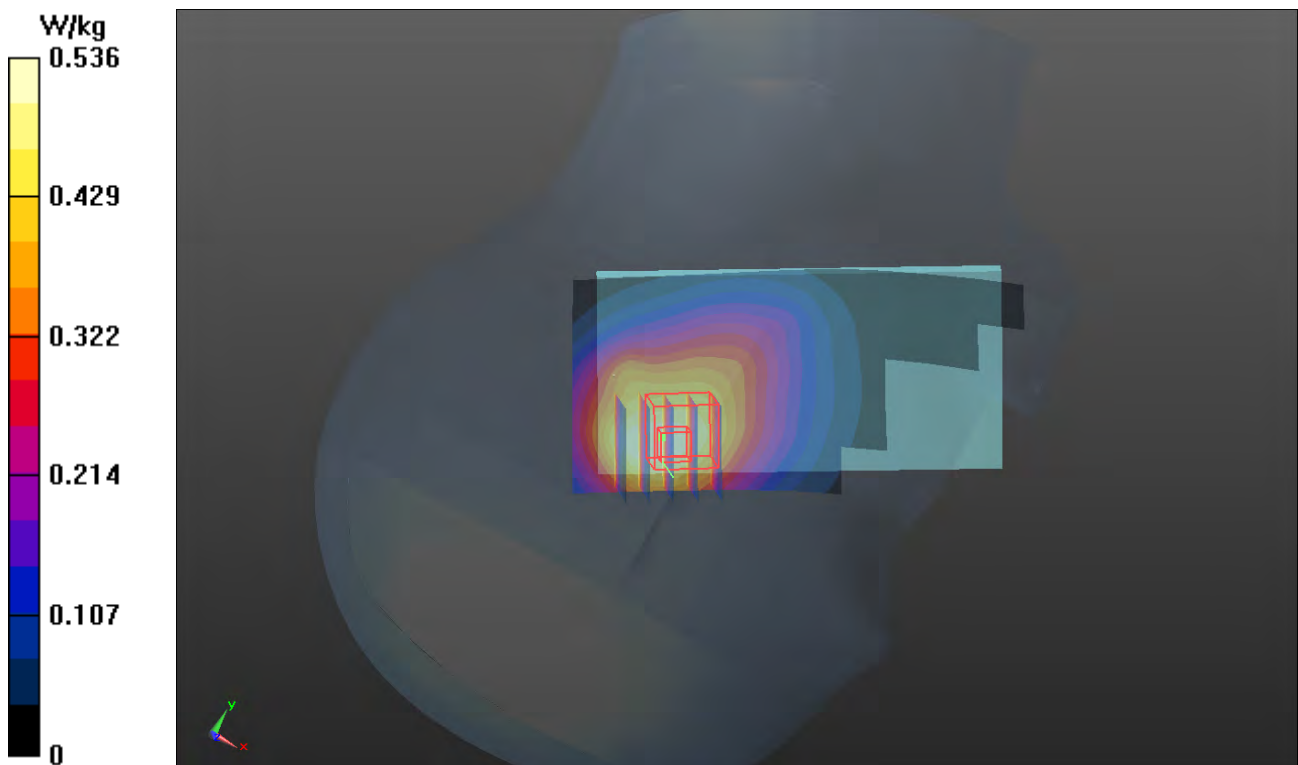
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.177 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.728 W/kg

SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.324 W/kg

Maximum value of SAR (measured) = 0.542 W/kg



P08 802.11b_Left Cheek_Ch1

DUT: 130722C07

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1.15

Medium: H2450_0823 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.821$ S/m; $\epsilon_r = 38.851$; $\rho =$

1000 kg/m³

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.47, 7.47, 7.47); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (81x131x1):** Interpolated grid: $dx=1.200$ mm, $dy=1.200$ mm

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

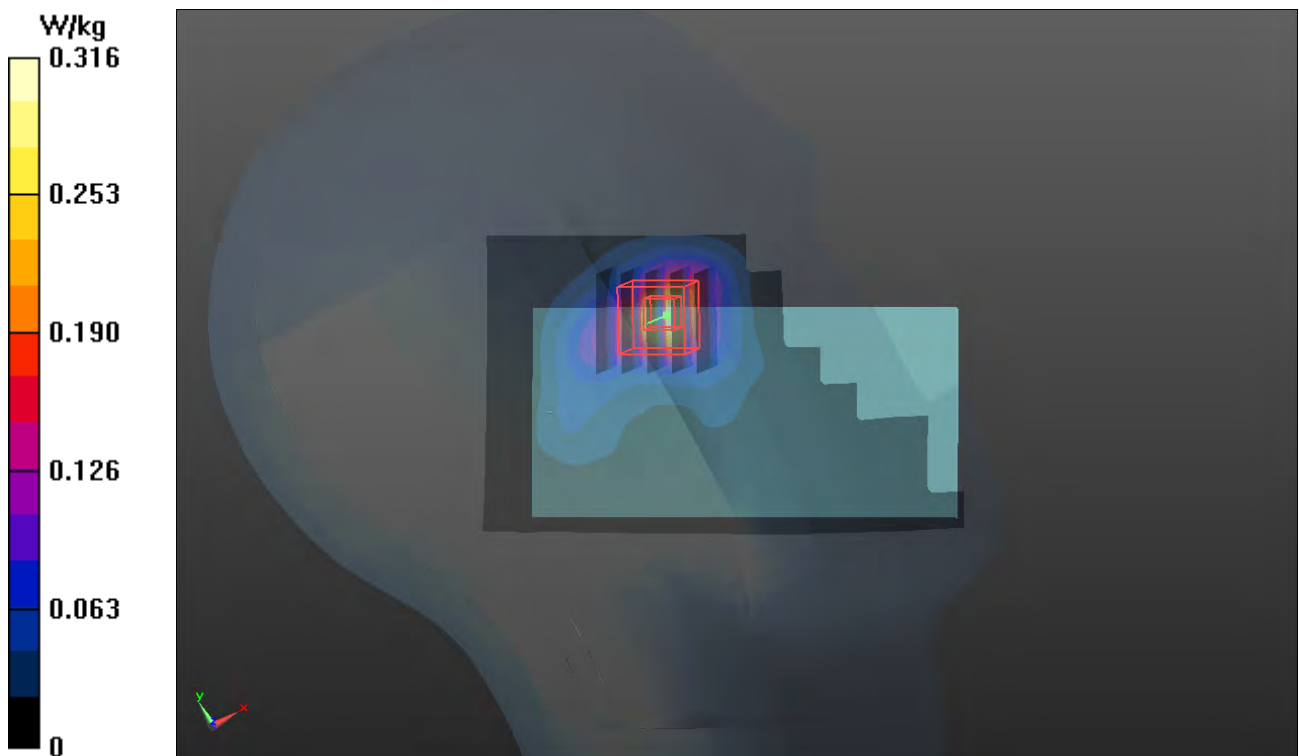
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8$ mm, $dy=8$ mm, $dz=5$ mm

Reference Value = 5.011 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.423 W/kg

SAR(1 g) = 0.190 W/kg; SAR(10 g) = 0.089 W/kg

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



P09 802.11a_Left Cheek_Ch48

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5240 MHz; Duty Cycle: 1:1

Medium: H5G_0817 Medium parameters used: $f = 5240$ MHz; $\sigma = 4.826$ S/m; $\epsilon_r = 34.983$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.2, 5.2, 5.2); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (81x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0770 W/kg

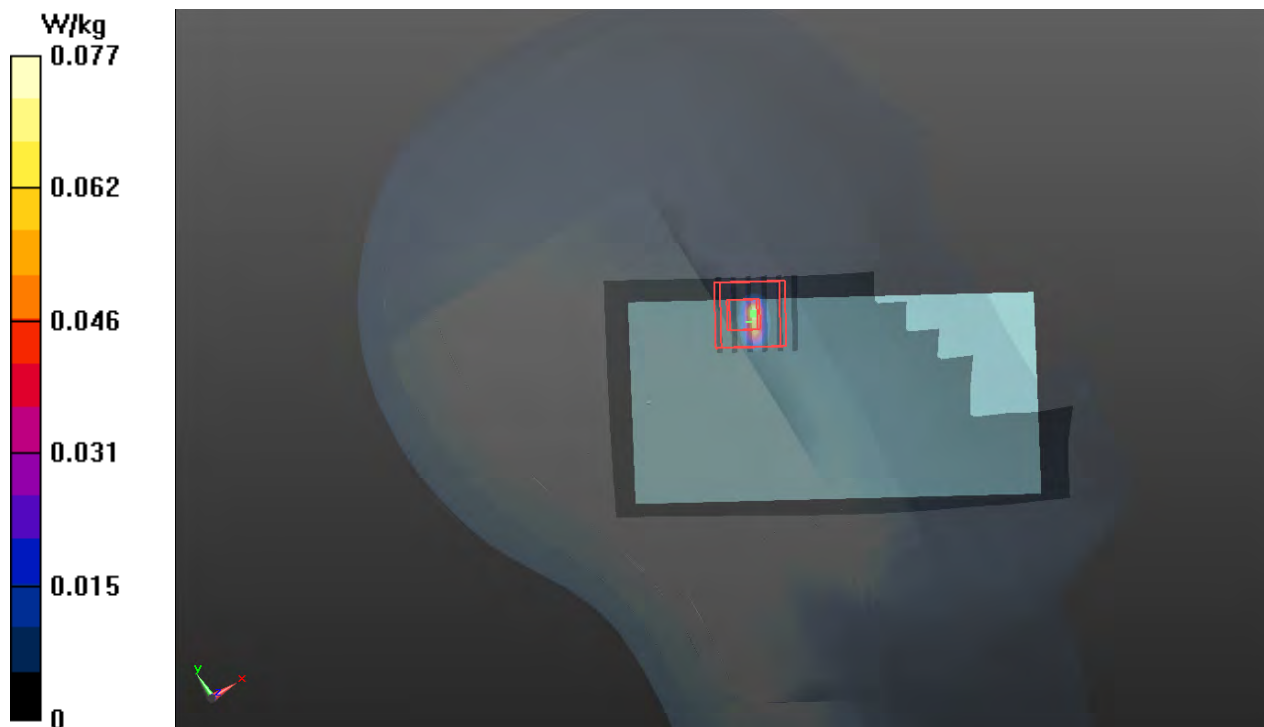
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.590 W/kg

SAR(1 g) = 0.042 W/kg; SAR(10 g) = 0.00729 W/kg

Maximum value of SAR (measured) = 0.0825 W/kg



P10 802.11a_Left Cheek_Ch64

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: H5G_0823 Medium parameters used: $f = 5320$ MHz; $\sigma = 4.637$ S/m; $\epsilon_r = 36.377$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.61, 5.61, 5.61); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (91x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.557 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.284 W/kg

SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.019 W/kg

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



P11 802.11n_HT40_Left Cheek_Ch102

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5510 MHz; Duty Cycle: 1:1

Medium: H5G_0823 Medium parameters used: $f = 5510$ MHz; $\sigma = 4.873$ S/m; $\epsilon_r = 36.432$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.2, 5.2, 5.2); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (91x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

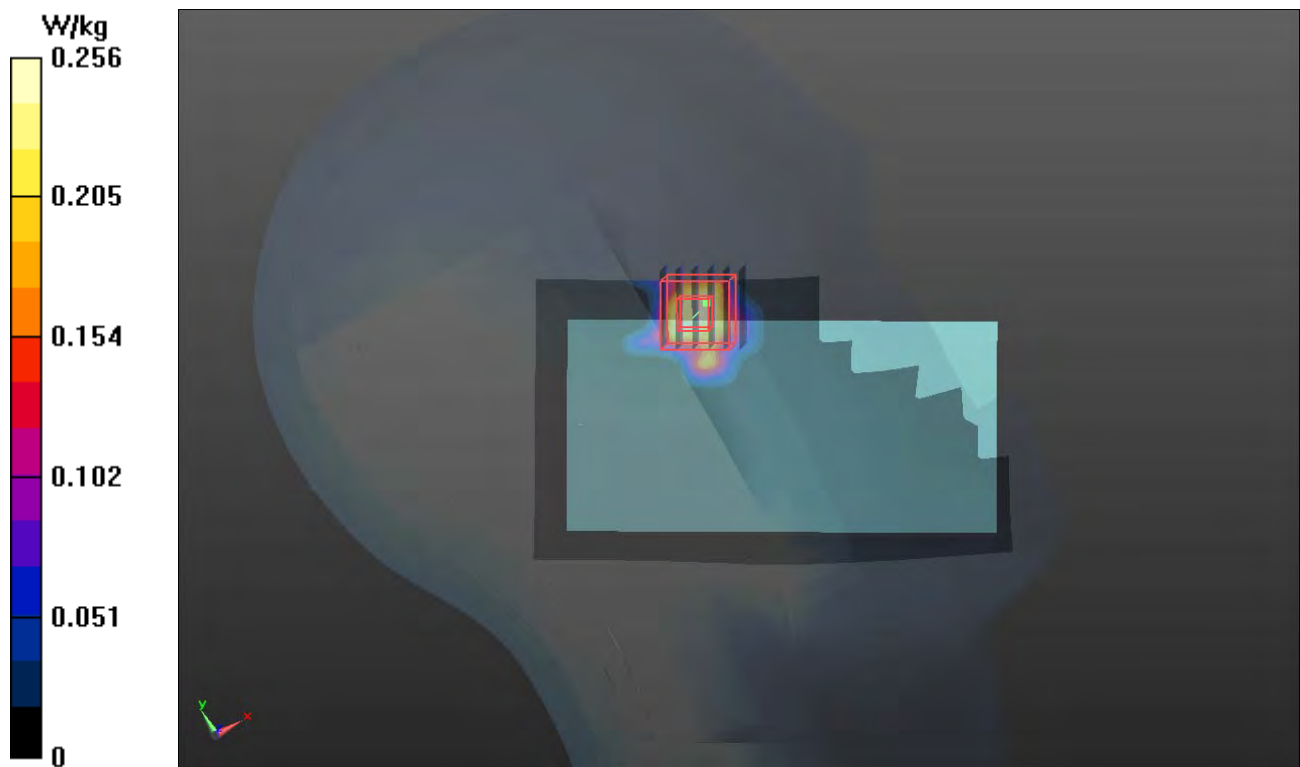
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.784 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.498 W/kg

SAR(1 g) = 0.122 W/kg; SAR(10 g) = 0.041 W/kg

Maximum value of SAR (measured) = 0.238 W/kg



P12 802.11a_Left Cheek_Ch161

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5805 MHz; Duty Cycle: 1:1

Medium: H5G_0824 Medium parameters used: $f = 5805$ MHz; $\sigma = 5.346$ S/m; $\epsilon_r = 33.884$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.92, 4.92, 4.92); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (91x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

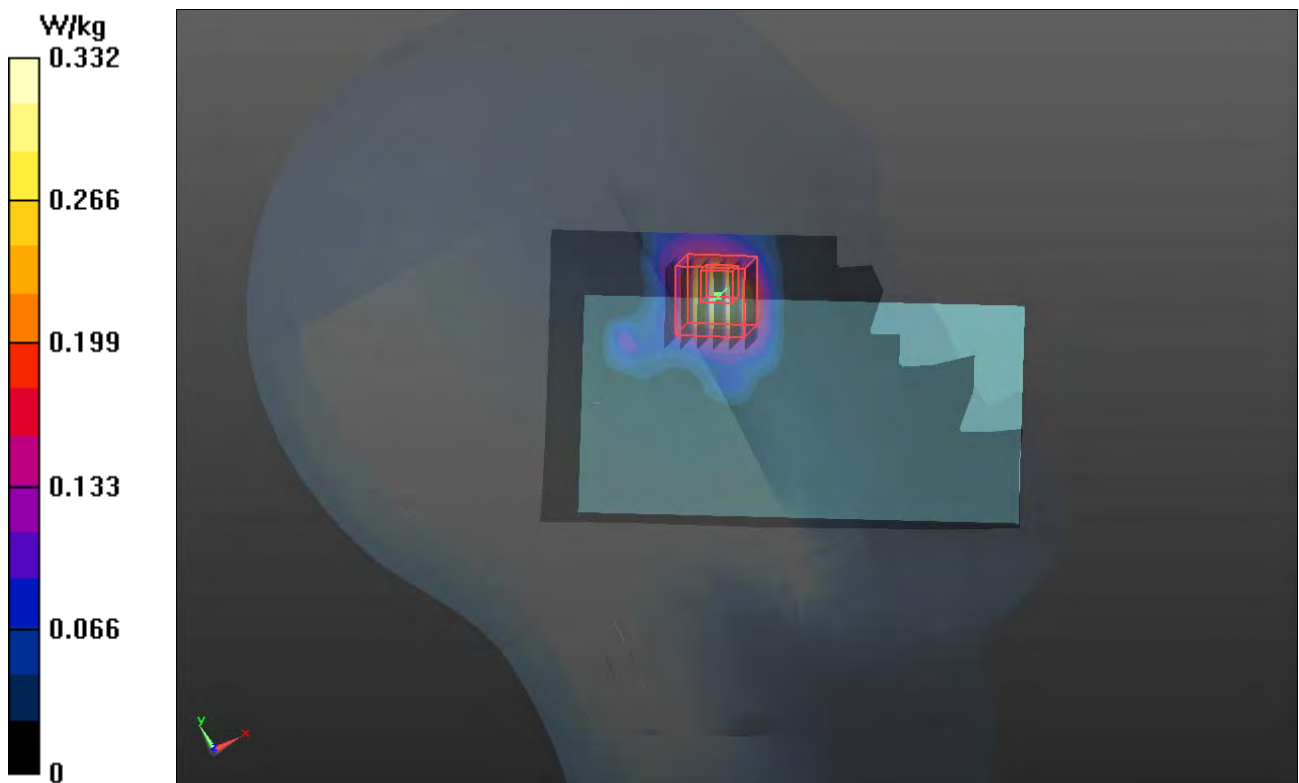
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.742 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.625 W/kg

SAR(1 g) = 0.146 W/kg; SAR(10 g) = 0.039 W/kg

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



P13 GSM850_GPRS11_Rear Face_1cm_Ch128

DUT: 130722C07

Communication System: GPRS11; Frequency: 824.2 MHz; Duty Cycle: 1:2.67

Medium: B835_0820 Medium parameters used: $f = 824.2$ MHz; $\sigma = 0.961$ S/m; $\epsilon_r = 54.247$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

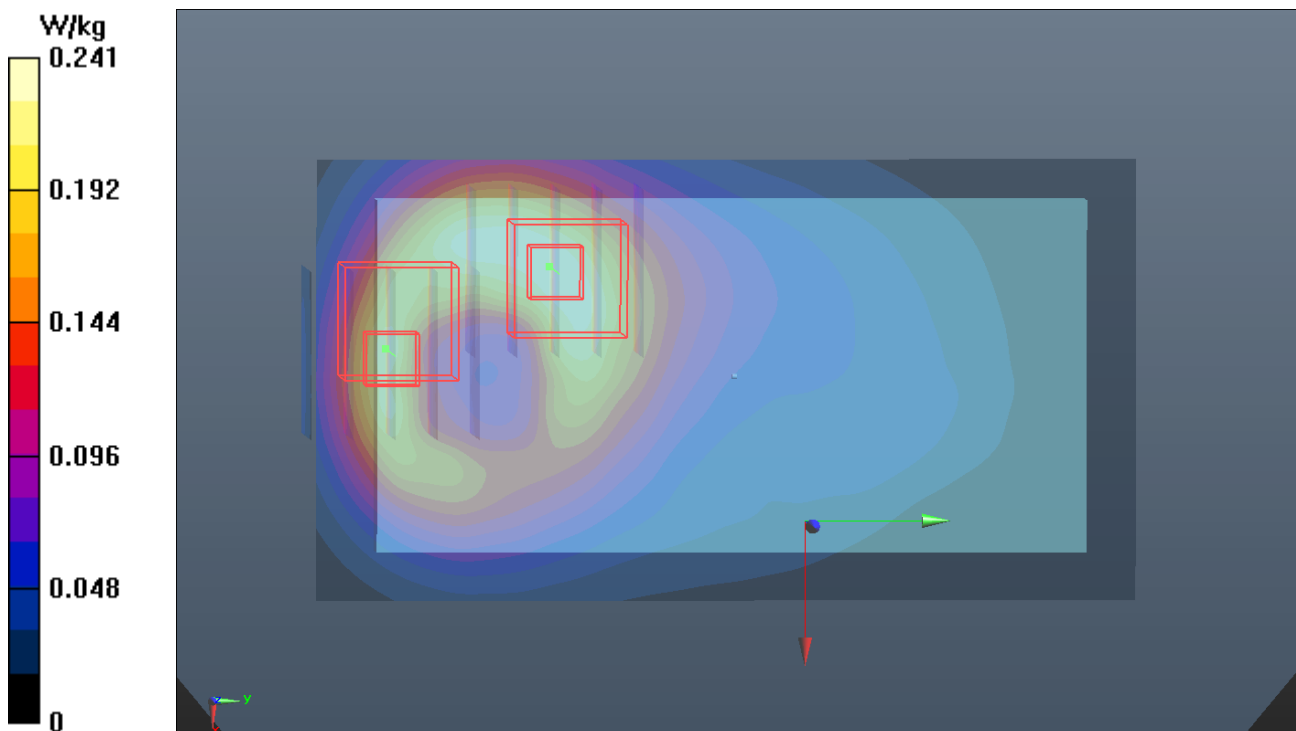
DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.14, 10.14, 10.14); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm
Maximum value of SAR (interpolated) = 0.241 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.235 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.776 W/kg
SAR(1 g) = 0.199 W/kg; SAR(10 g) = 0.128 W/kg
Maximum value of SAR (measured) = 0.246 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 8.235 V/m; Power Drift = -0.02 dB
Peak SAR (extrapolated) = 0.311 W/kg
SAR(1 g) = 0.175 W/kg; SAR(10 g) = 0.098 W/kg
Maximum value of SAR (measured) = 0.230 W/kg



P14 GSM1900_GPRS12_Front Face_1cm_Ch810

DUT: 130722C07

Communication System: GPRS12; Frequency: 1909.8 MHz; Duty Cycle: 1:2

Medium: B1900_0819 Medium parameters used: $f = 1910$ MHz; $\sigma = 1.565$ S/m; $\epsilon_r = 53.371$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.23, 7.23, 7.23); Calibrated: 2013/06/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

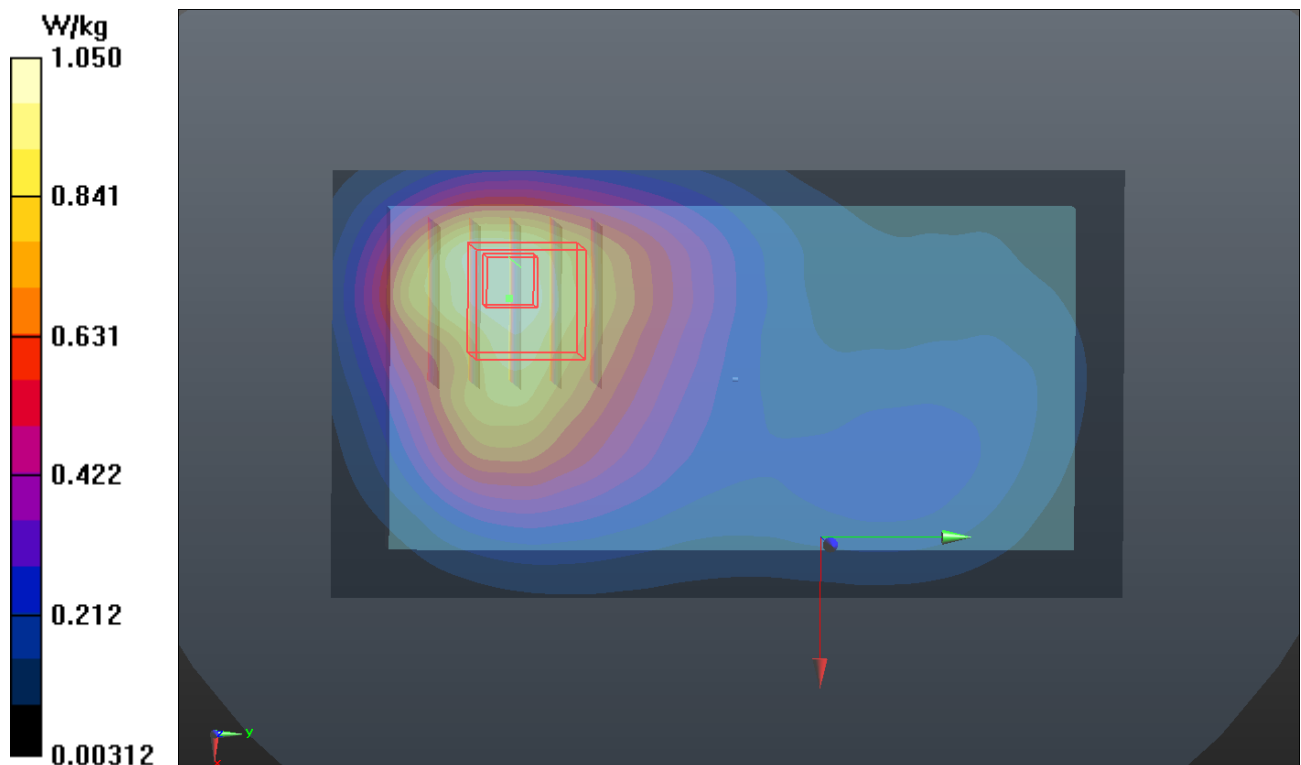
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.007 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 1.32 W/kg

SAR(1 g) = 0.801 W/kg; SAR(10 g) = 0.490 W/kg

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



P15 WCDMA II_RMC12.2K_Front Face_1cm_Ch9538

DUT: 130722C07

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

Medium: B1900_0819 Medium parameters used: $f = 1908 \text{ MHz}$; $\sigma = 1.563 \text{ S/m}$; $\epsilon_r = 53.372$; $\rho =$

1000 kg/m^3

Ambient Temperature : $21.6 \text{ }^\circ\text{C}$; Liquid Temperature : $20.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.23, 7.23, 7.23); Calibrated: 2013/06/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: $dx=1.500 \text{ mm}$, $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 1.42 W/kg

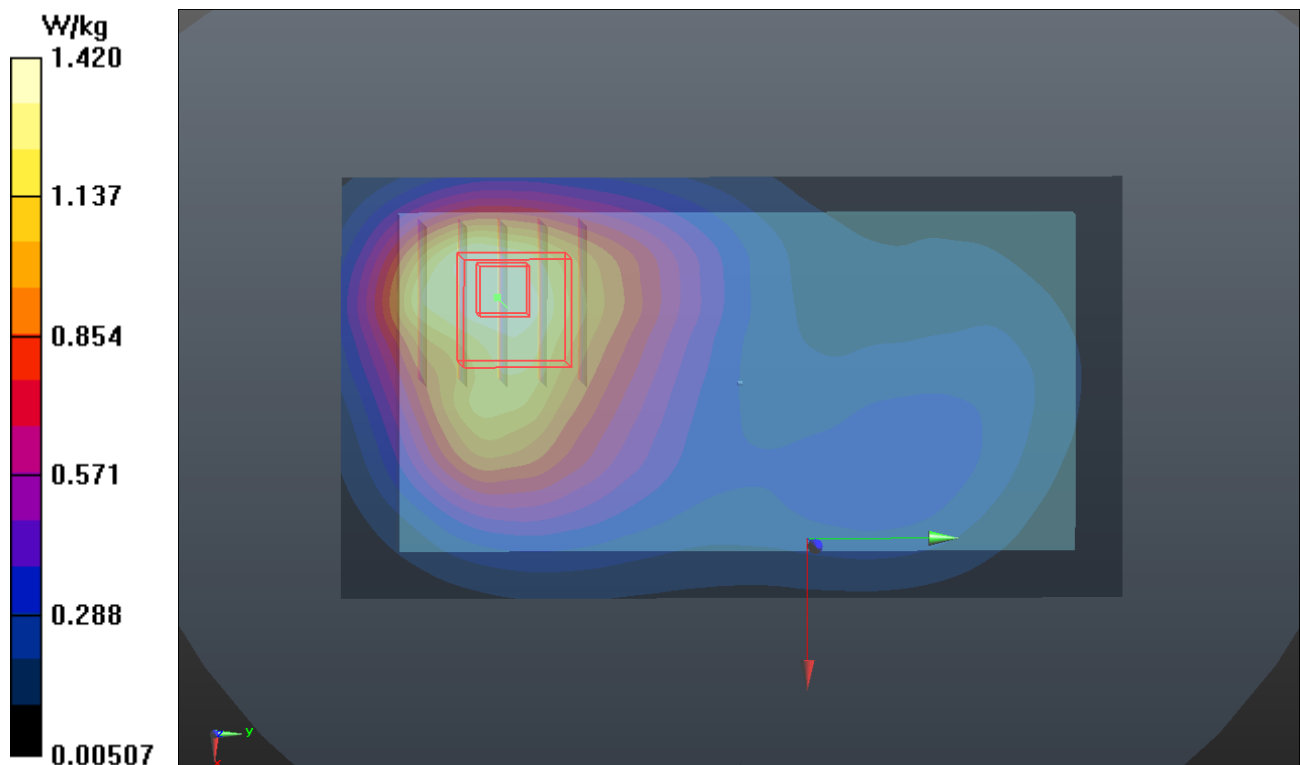
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: $dx=8\text{mm}$, $dy=8\text{mm}$, $dz=5\text{mm}$

Reference Value = 13.942 V/m ; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.80 W/kg

SAR(1 g) = 1.1 W/kg ; SAR(10 g) = 0.675 W/kg

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



P16 WCDMA V_RMC12.2K_Rear Face_1cm_Ch4182

DUT: 130722C07

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

Medium: B835_0820 Medium parameters used: $f = 836.4$ MHz; $\sigma = 0.975$ S/m; $\epsilon_r = 54.143$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.14, 10.14, 10.14); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 9.092 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.397 W/kg

SAR(1 g) = 0.232 W/kg; SAR(10 g) = 0.129 W/kg

Maximum value of SAR (measured) = 0.315 W/kg

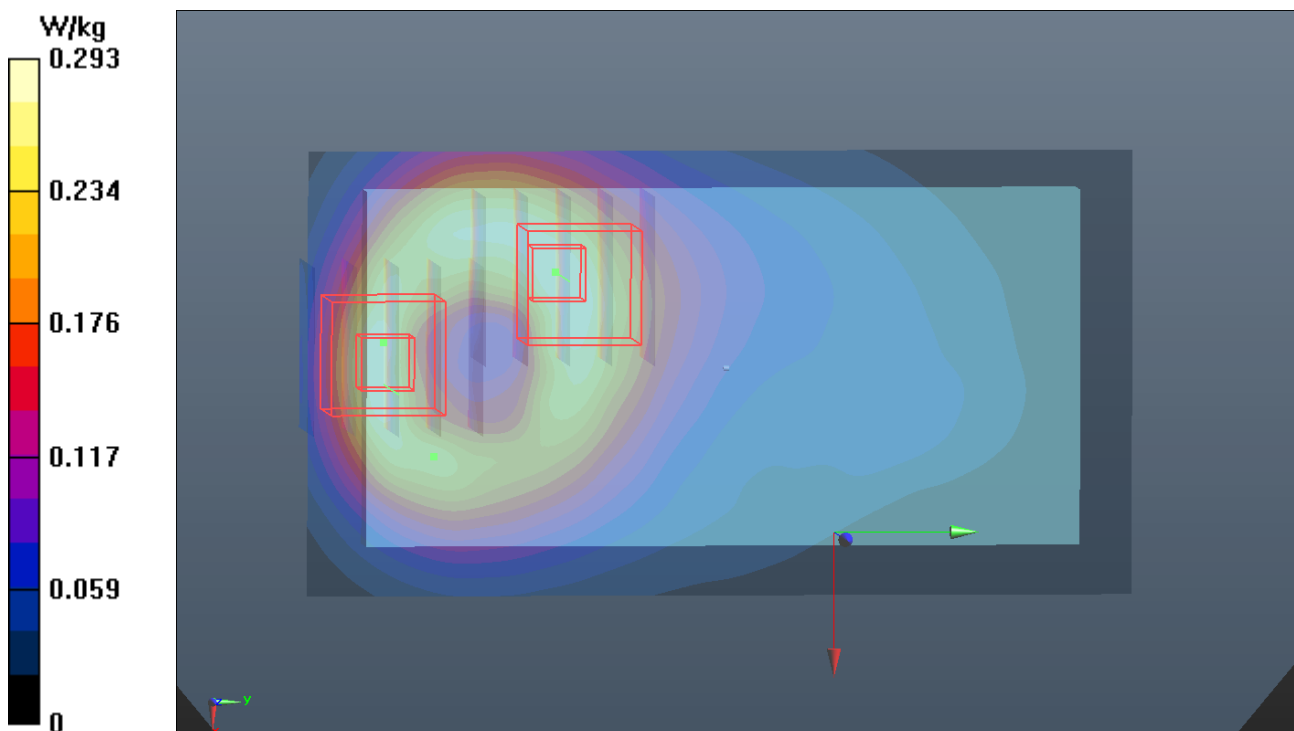
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.092 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.342 W/kg

SAR(1 g) = 0.234 W/kg; SAR(10 g) = 0.154 W/kg

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



P17 LTE 4_QPSK_20M_Front Face_1cm_Ch20050_1RB_OS50

DUT: 130722C07

Communication System: LTE 4; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: B1750_0822 Medium parameters used: $f = 1720$ MHz; $\sigma = 1.454$ S/m; $\epsilon_r = 52.291$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.63, 8.63, 8.63); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.02 W/kg

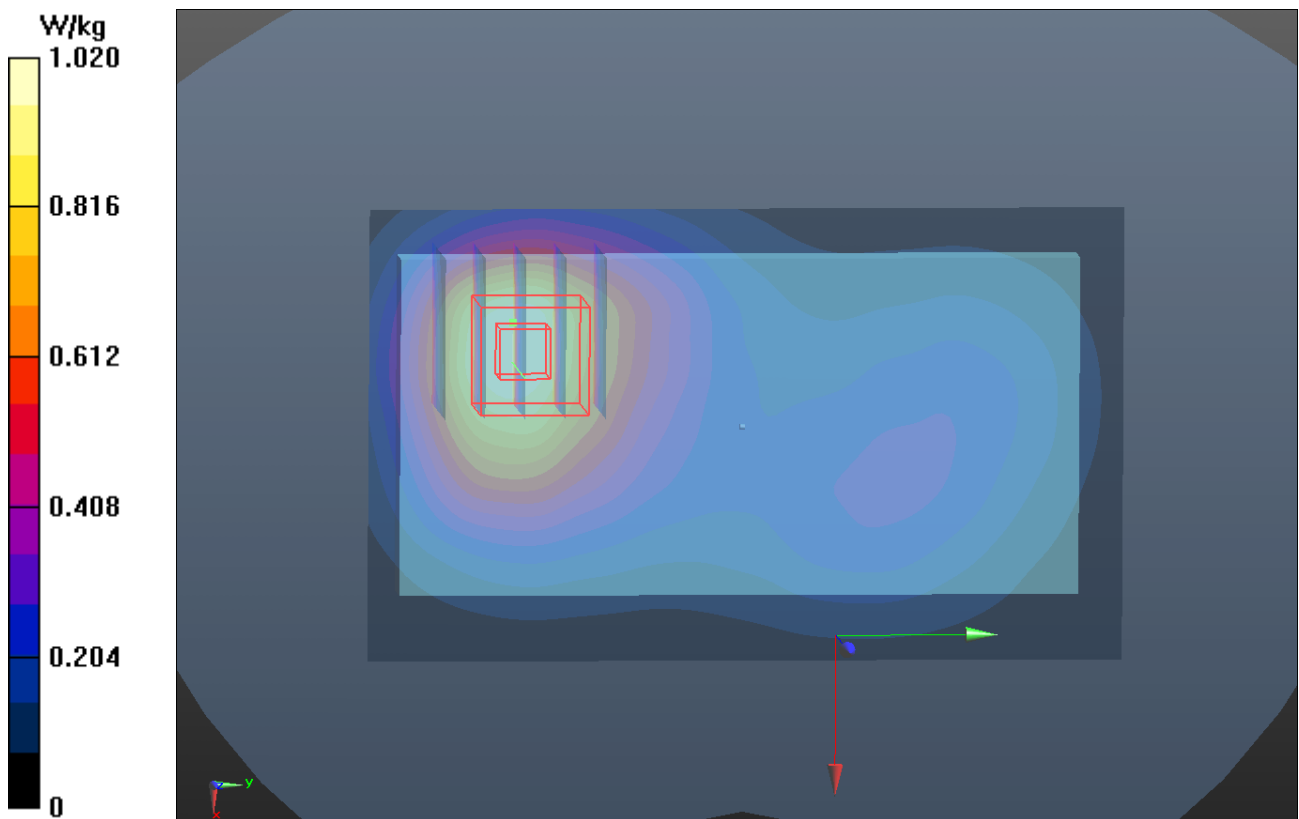
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.510 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 1.23 W/kg

SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.505 W/kg

Maximum value of SAR (measured) = 1.02 W/kg



P18 LTE 7_QPSK_20M_Rear Face_1cm_Ch21100_1RB_OS0

DUT: 130722C07

Communication System: LTE 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: B2600_0822 Medium parameters used: $f = 2535$ MHz; $\sigma = 2.093$ S/m; $\epsilon_r = 52.324$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.83, 7.83, 7.83); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

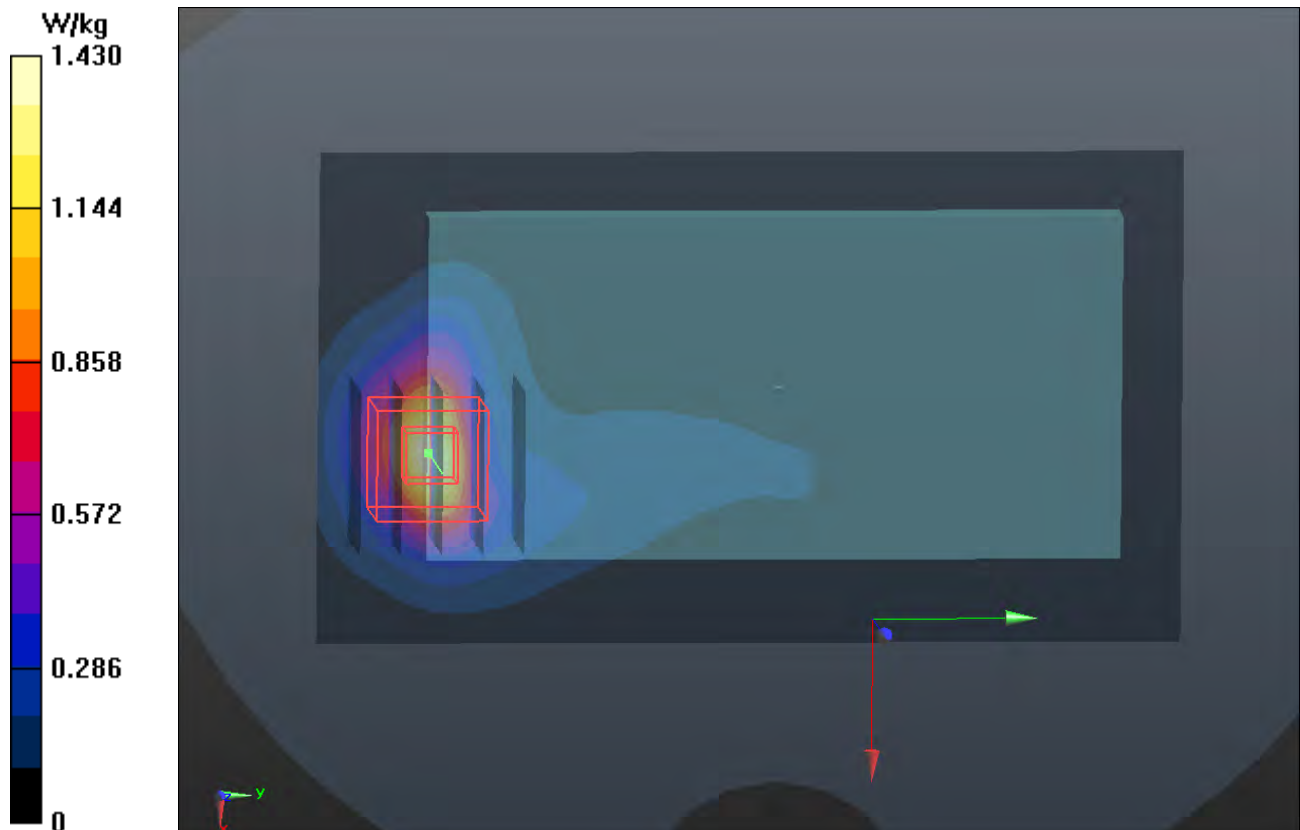
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.989 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.81 W/kg

SAR(1 g) = 0.877 W/kg; SAR(10 g) = 0.400 W/kg

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



P19 LTE 17_QPSK_10M_Rear Face_1cm_Ch23780_1RB_OS49

DUT: 130722C07

Communication System: LTE 17; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: B750_0822 Medium parameters used: $f = 709$ MHz; $\sigma = 0.931$ S/m; $\epsilon_r = 55.593$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.6, 10.6, 10.6); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.757 W/kg

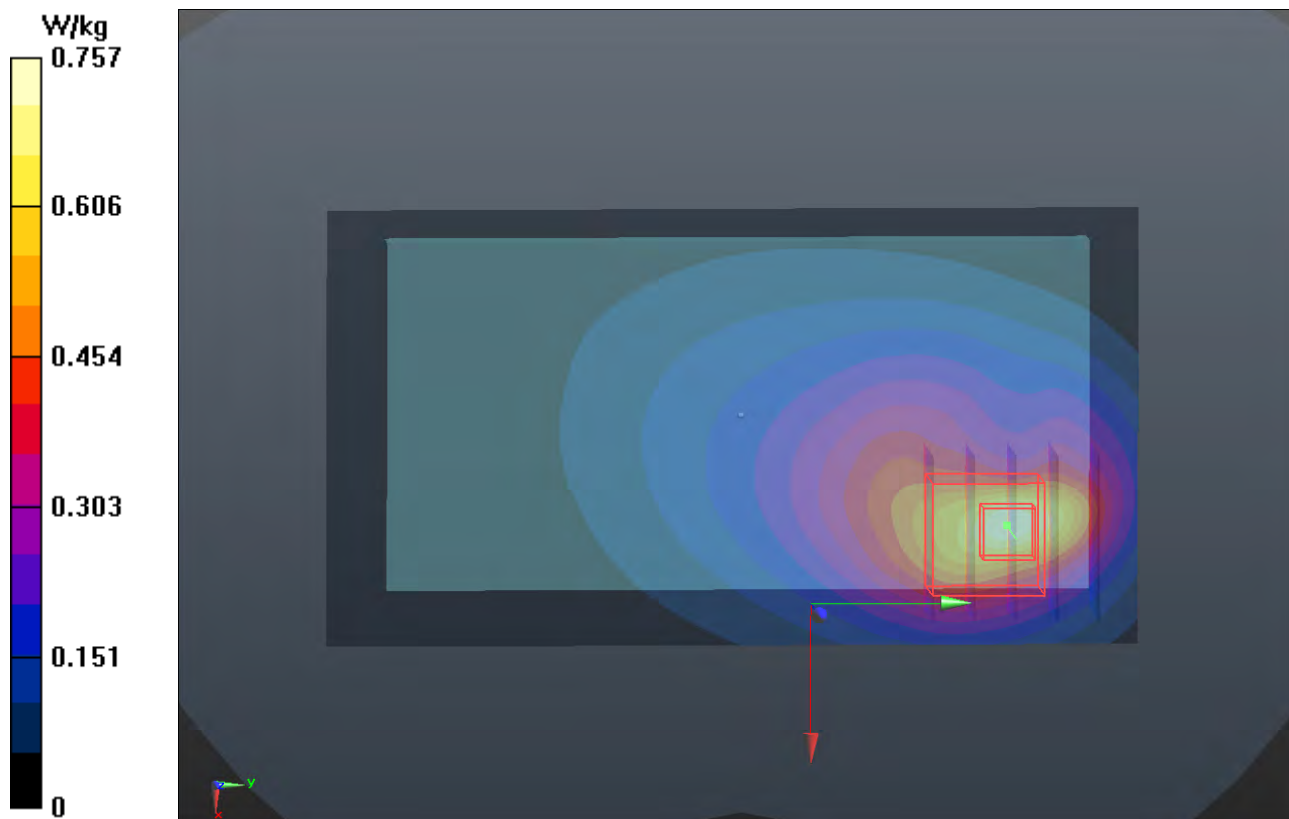
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.093 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 0.953 W/kg

SAR(1 g) = 0.507 W/kg; SAR(10 g) = 0.291 W/kg

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



P20 802.11b_Reat Face_1cm_Ch1

DUT: 130722C07

Communication System: WLAN_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1.15

Medium: B2450_0823 Medium parameters used: $f = 2412$ MHz; $\sigma = 1.91$ S/m; $\epsilon_r = 51.504$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.4, 7.4, 7.4); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: ELI v4.0_Left; Type: QDOVA001BB; Serial: TP:1039
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

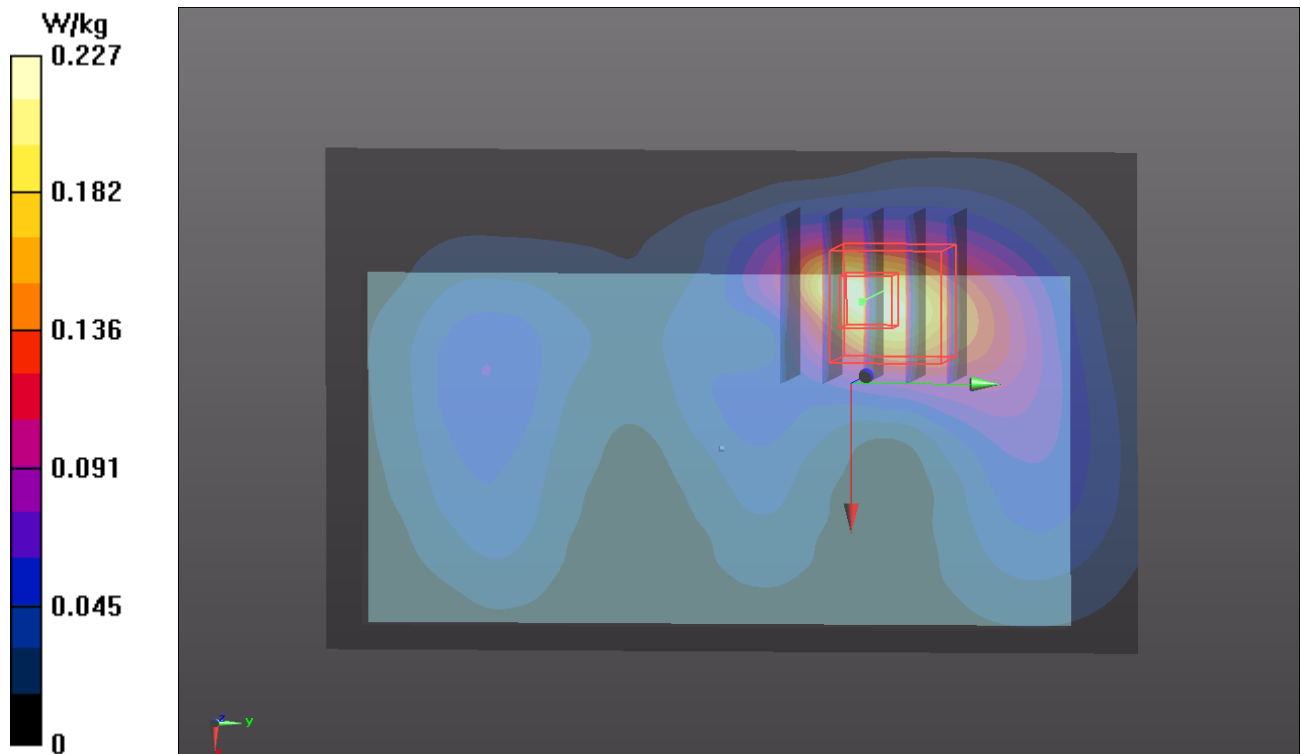
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.124 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.297 W/kg

SAR(1 g) = 0.158 W/kg; SAR(10 g) = 0.080 W/kg

Maximum value of SAR (measured) = 0.180 W/kg



P21 802.11n_HT40_Rear Face_1cm_Ch46

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5230 MHz; Duty Cycle: 1:1

Medium: B5G_0823 Medium parameters used: $f = 5230$ MHz; $\sigma = 5.389$ S/m; $\epsilon_r = 47.608$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.4 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.15, 5.15, 5.15); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

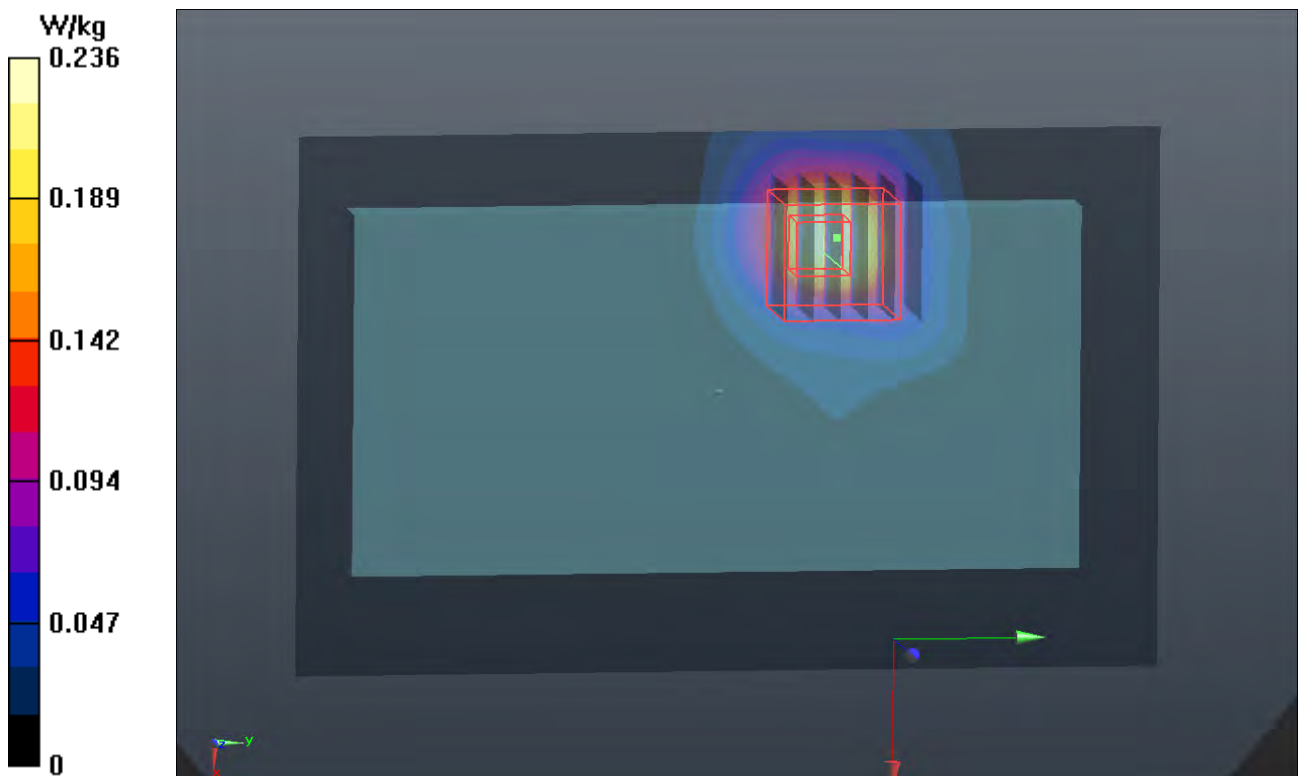
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.325 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.568 W/kg

SAR(1 g) = 0.134 W/kg; SAR(10 g) = 0.041 W/kg

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



P22 802.11a_Rear Face_1cm_Ch64

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5320 MHz; Duty Cycle: 1:1

Medium: B5G_0824 Medium parameters used: $f = 5320$ MHz; $\sigma = 5.528$ S/m; $\epsilon_r = 47.376$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.94, 4.94, 4.94); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (51x81x1):** Interpolated grid: dx=2.000 mm, dy=2.000 mm

Maximum value of SAR (interpolated) = 0.366 W/kg

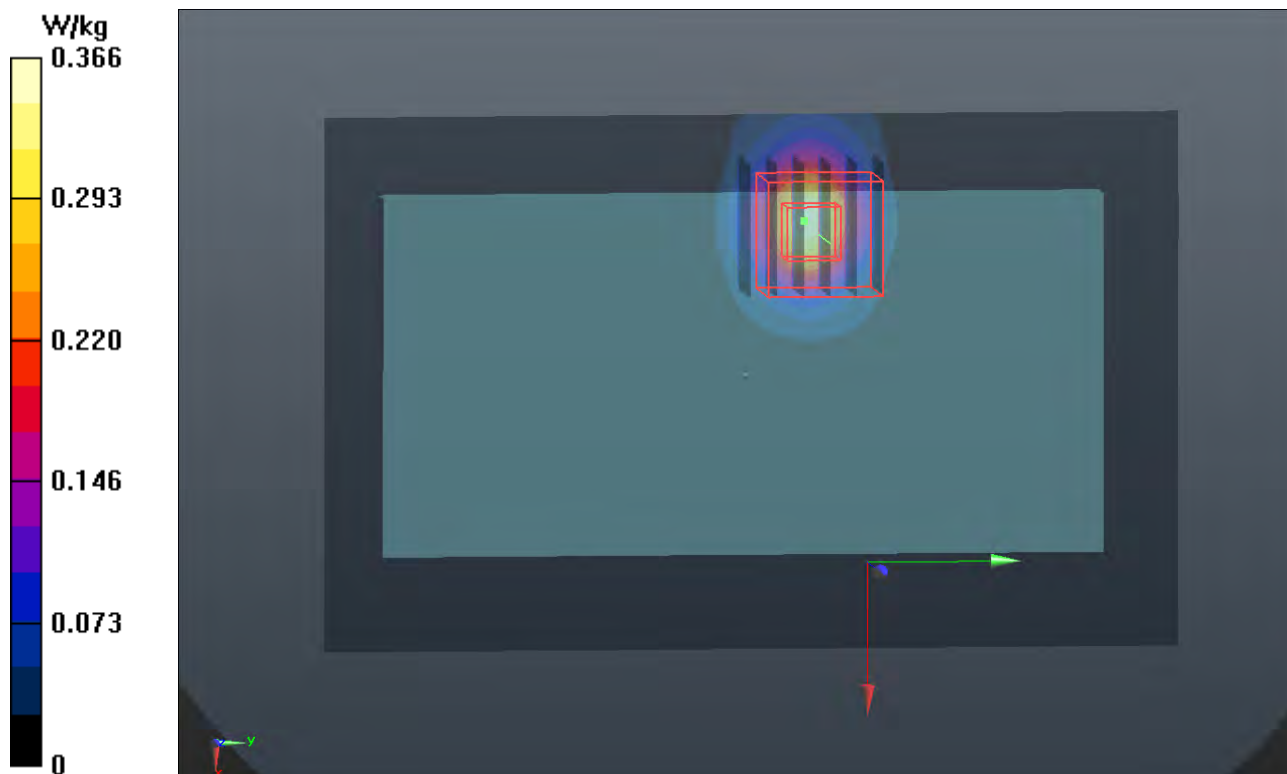
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.061 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.709 W/kg

SAR(1 g) = 0.151 W/kg; SAR(10 g) = 0.046 W/kg

Maximum value of SAR (measured) = 0.296 W/kg



P23 802.11a_Rear Face_1cm_Ch100

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5500 MHz; Duty Cycle: 1:1

Medium: B5G_0824 Medium parameters used: $f = 5500$ MHz; $\sigma = 5.773$ S/m; $\epsilon_r = 47.087$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.57, 4.57, 4.57); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (101x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.234 W/kg

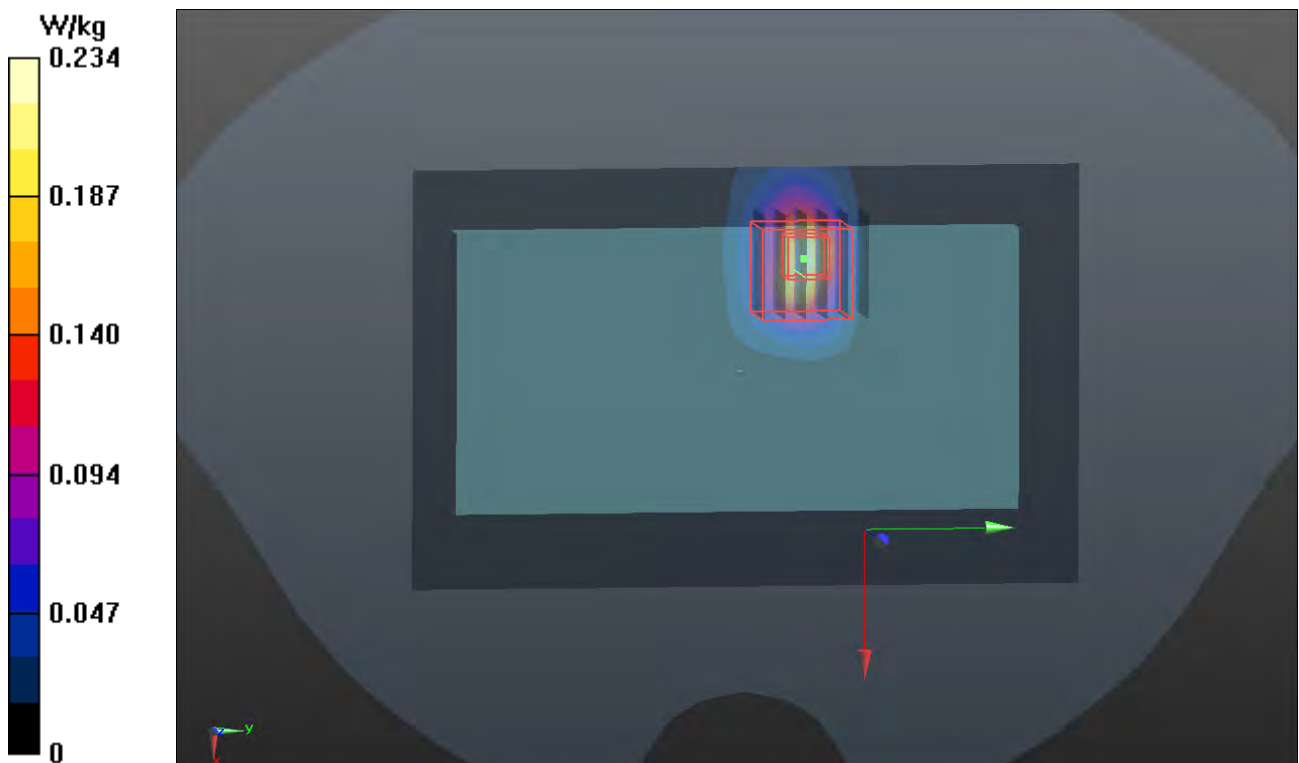
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.653 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.813 W/kg

SAR(1 g) = 0.105 W/kg; SAR(10 g) = 0.030 W/kg

Maximum value of SAR (measured) = 0.229 W/kg



P24 802.11a_Rear Face_1cm_Ch161

DUT: 130722C07

Communication System: WLAN_5G; Frequency: 5805 MHz; Duty Cycle: 1:1

Medium: B5G_0824 Medium parameters used: $f = 5805$ MHz; $\sigma = 6.216$ S/m; $\epsilon_r = 46.511$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.72, 4.72, 4.72); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (101x161x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

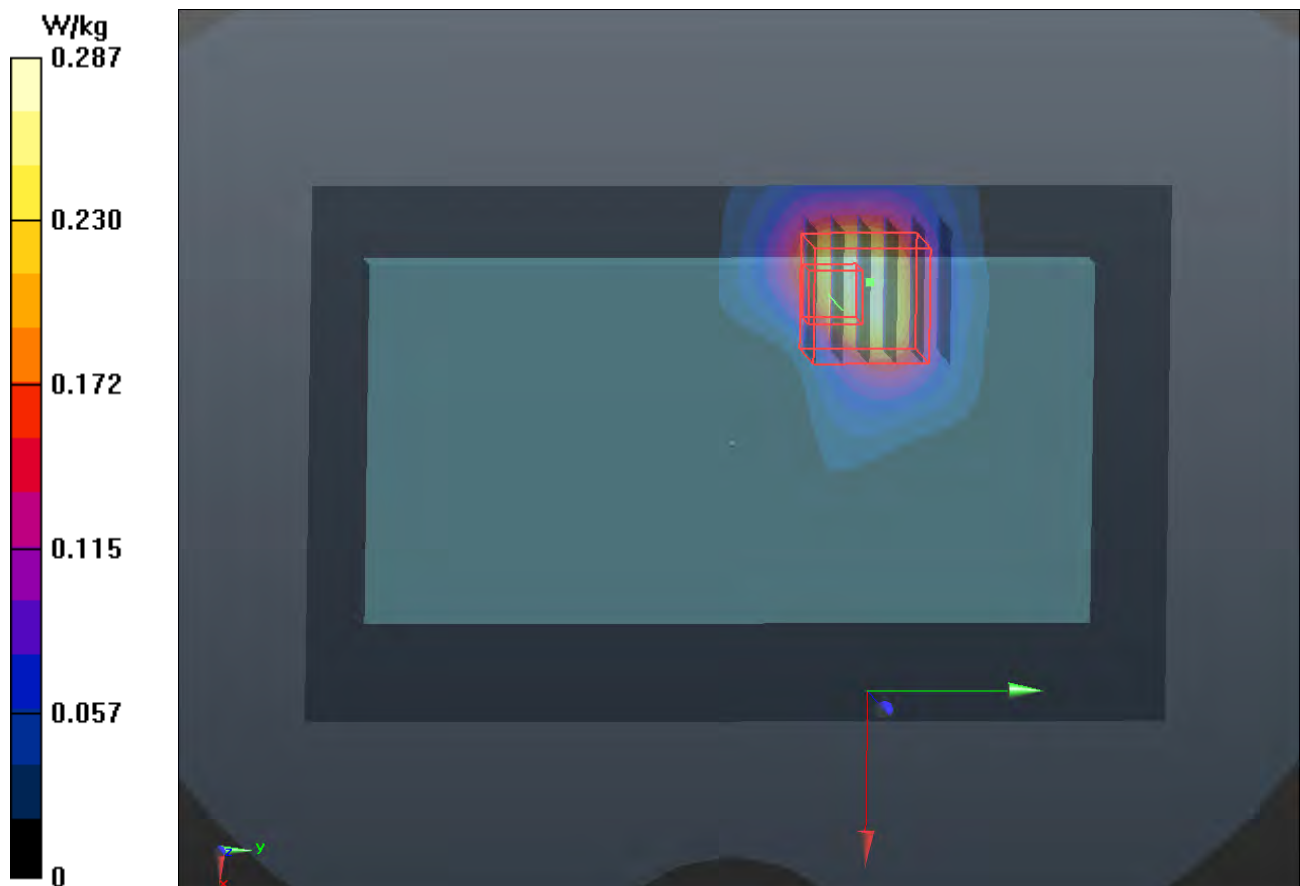
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.744 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.742 W/kg

SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.043 W/kg

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



P25 LTE 7_QPSK_20M_Bottom Side_1cm_Ch21100_1RB_OS0

DUT: 130722C07

Communication System: LTE 7; Frequency: 2535 MHz; Duty Cycle: 1:1

Medium: B2600_0822 Medium parameters used: $f = 2535$ MHz; $\sigma = 2.093$ S/m; $\epsilon_r = 52.324$; $\rho = 1000$ kg/m³

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.83, 7.83, 7.83); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (41x81x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm
Maximum value of SAR (interpolated) = 2.04 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm
Reference Value = 18.542 V/m; Power Drift = 0.09 dB
Peak SAR (extrapolated) = 2.66 W/kg
SAR(1 g) = 1.24 W/kg; SAR(10 g) = 0.541 W/kg
Maximum value of SAR (measured) = 1.92 W/kg

