



## **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\_GPRS12\_Right Cheek\_Ch128\_Sample1\_Ant1**

**DUT: 141203C10**

Communication System: GPRS12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: H08T09N3\_0114 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.879$  S/m;  $\epsilon_r = 43.162$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.52, 9.52, 9.52); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.551 W/kg

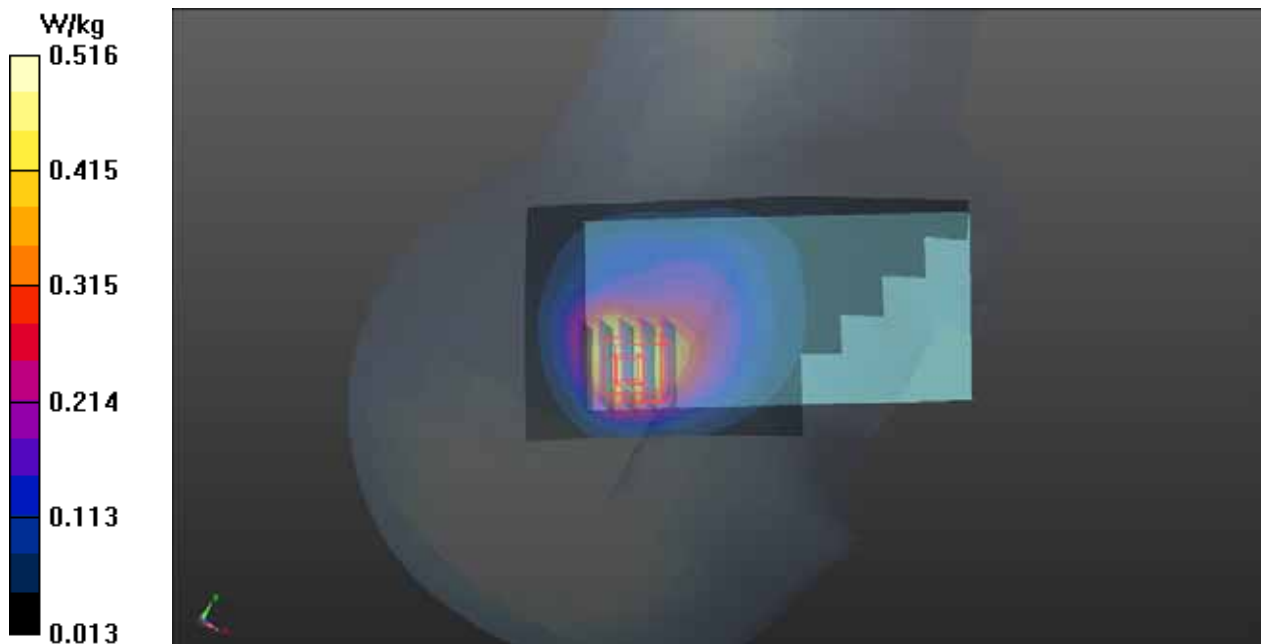
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.40 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.648 W/kg

**SAR(1 g) = 0.401 W/kg; SAR(10 g) = 0.251 W/kg**

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



## **P02 GSM1900\_GPRS12\_Right Cheek\_Ch810\_Sample1\_Ant1**

**DUT: 141203C10**

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

Medium: H18T19N1\_0114 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.465$  S/m;  $\epsilon_r = 40.322$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.401 W/kg

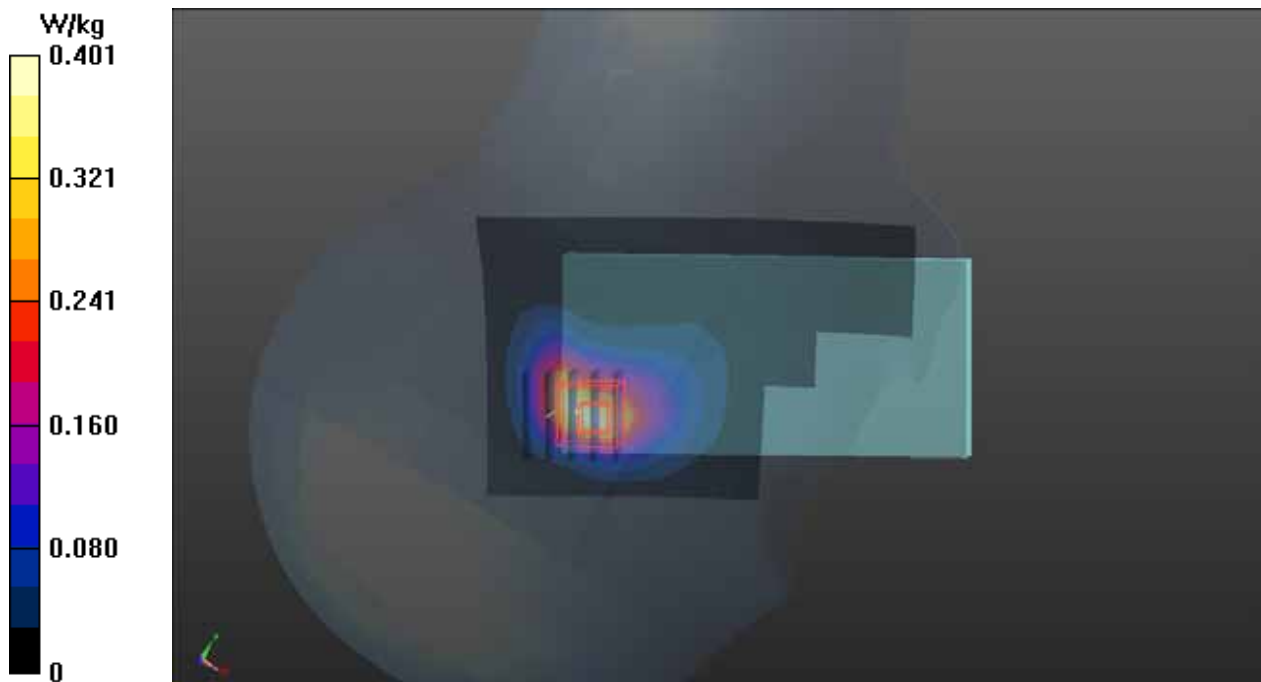
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.475 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.436 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.129 W/kg**

Maximum value of SAR (measured) = 0.297 W/kg



**P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9400\_Sample1\_Ant1****DUT: 141203C10**

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

Medium: H18T19N1\_0111 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.368$  S/m;  $\epsilon_r = 39.284$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C ; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3590; ConvF(8.7, 8.7, 8.7); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.828 W/kg

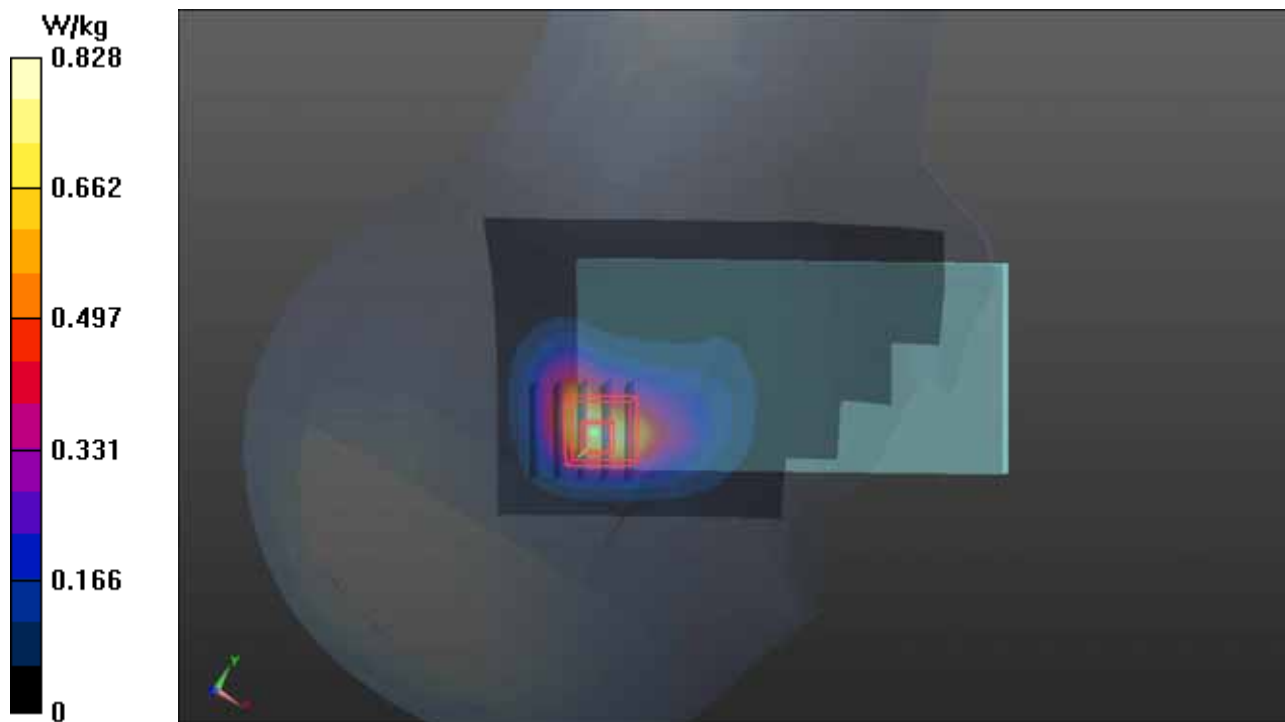
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.85 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.941 W/kg

**SAR(1 g) = 0.488 W/kg; SAR(10 g) = 0.272 W/kg**

Maximum value of SAR (measured) = 0.657 W/kg



**P04 WCDMA IV\_RMC12.2K\_Right Cheek\_Ch1312\_Sample1\_Ant1****DUT: 141203C09**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: H17T18N1\_0111 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.29$  S/m;  $\epsilon_r = 40.721$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.6 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3590; ConvF(8.92, 8.92, 8.92); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.939 W/kg

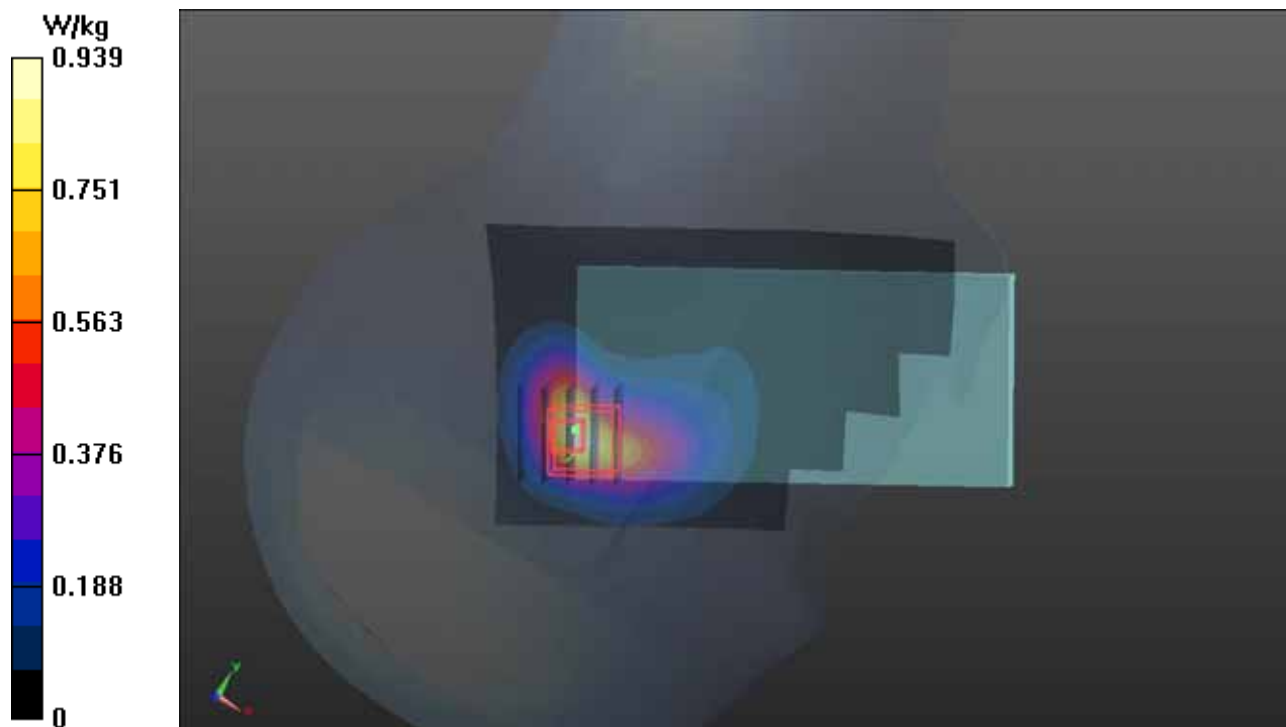
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.51 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.541 W/kg; SAR(10 g) = 0.292 W/kg**

Maximum value of SAR (measured) = 0.746 W/kg



## **P05 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4182\_Sample1\_Ant1**

### **DUT: 141203C10**

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

Medium: H08T09N3\_0112 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.909$  S/m;  $\epsilon_r = 42.561$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.9 °C ; Liquid Temperature : 21.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.52, 9.52, 9.52); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.456 W/kg

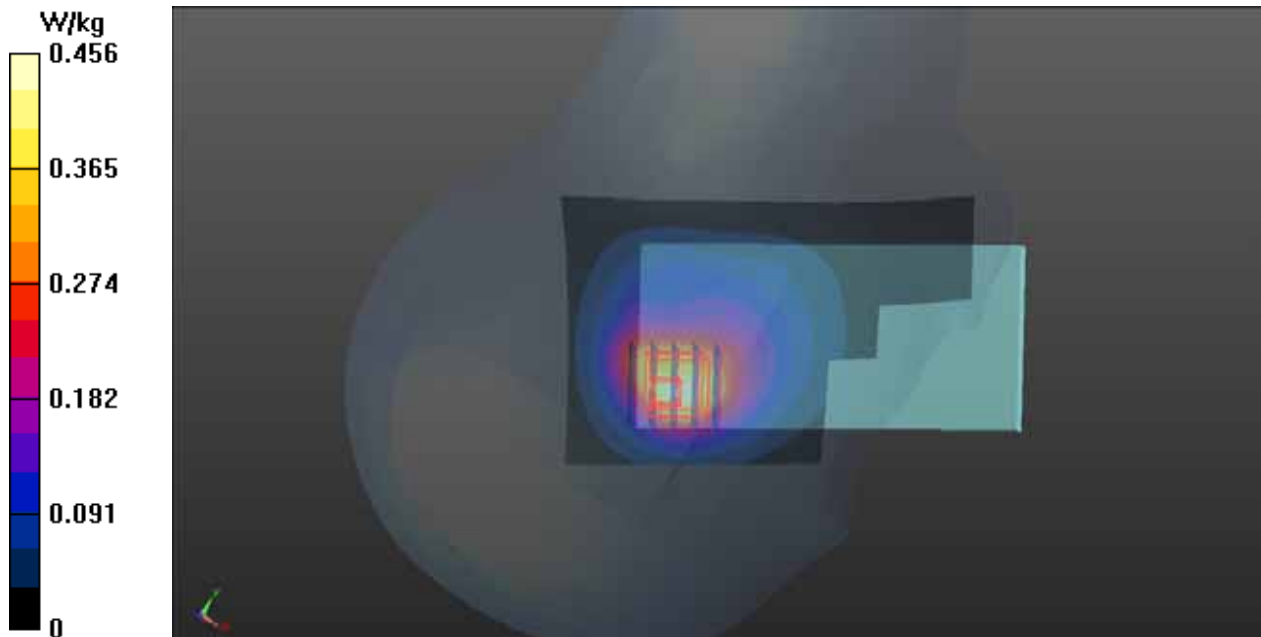
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.87 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.578 W/kg

**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.217 W/kg**

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



## **P06 LTE 2\_QPSK20M\_Right Cheek\_Ch18900\_Sample1\_Ant1\_1RB\_OS0**

**DUT: 141203C10**

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

Medium: H18T19N1\_0114 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 40.372$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.92, 7.92, 7.92); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.874 W/kg

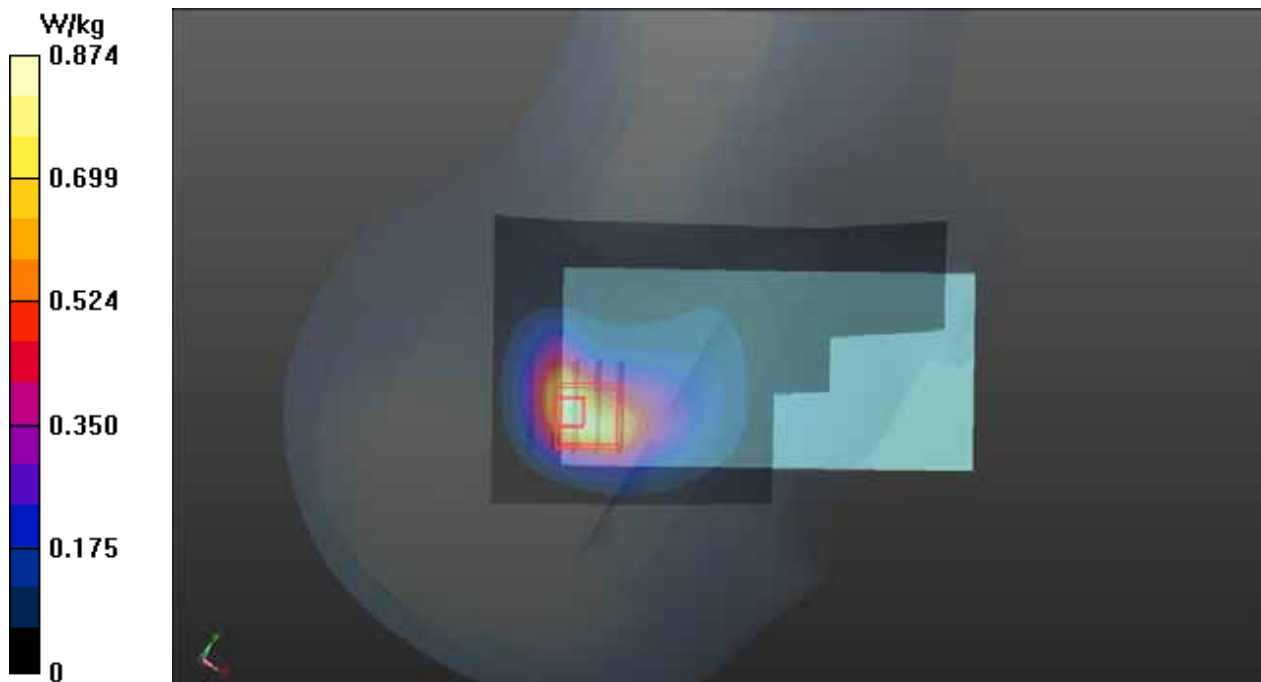
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.26 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.972 W/kg

**SAR(1 g) = 0.516 W/kg; SAR(10 g) = 0.294 W/kg**

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



## **P07 LTE 4\_QPSK20M\_Right Cheek\_Ch20300\_Sample1\_Ant1\_1RB\_OS0**

**DUT: 141203C10**

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

Medium: H17T18N1\_0114 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.317$  S/m;  $\epsilon_r = 40.635$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.1, 8.1, 8.1); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.913 W/kg

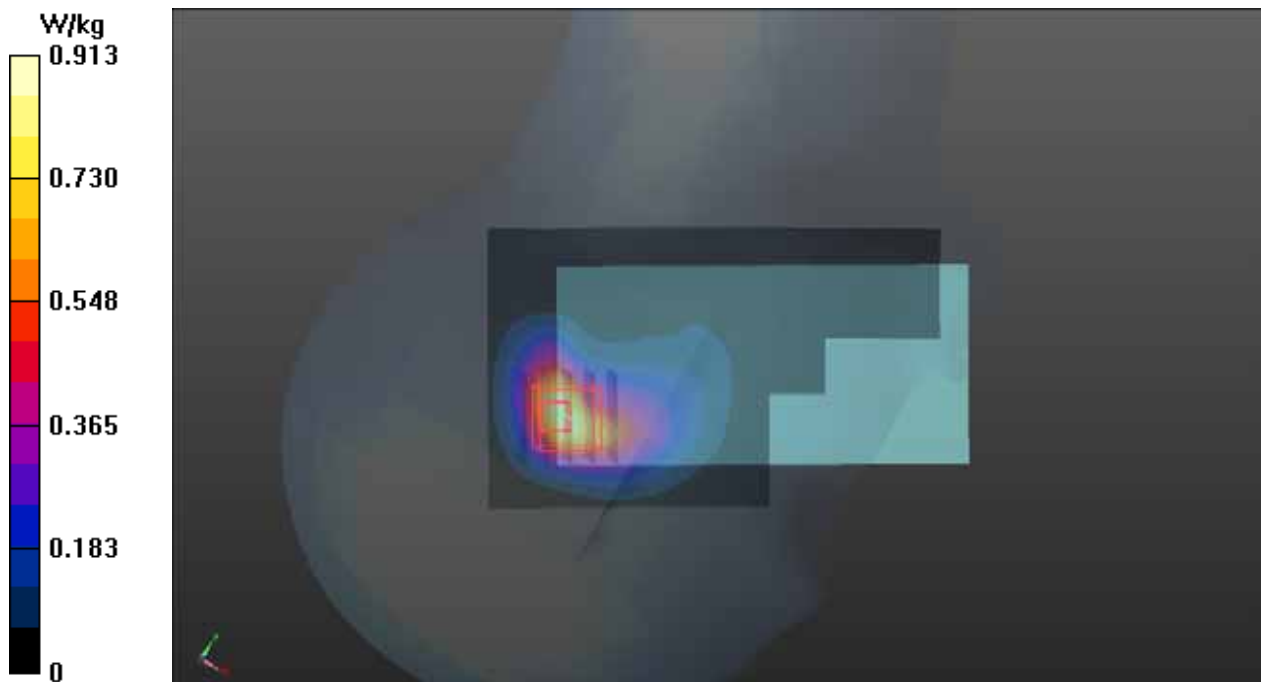
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.74 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.03 W/kg

**SAR(1 g) = 0.544 W/kg; SAR(10 g) = 0.288 W/kg**

Maximum value of SAR (measured) = 0.760 W/kg





## **P08 LTE 7\_QPSK20M\_Left Cheek\_Ch21100\_Sample1\_Ant0\_1RB\_OS50**

**DUT: 141203C10**

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

Medium: H25T27N2\_0118 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.978$  S/m;  $\epsilon_r = 38.292$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9°C; Liquid Temperature : 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.01, 7.01, 7.01); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.457 W/kg

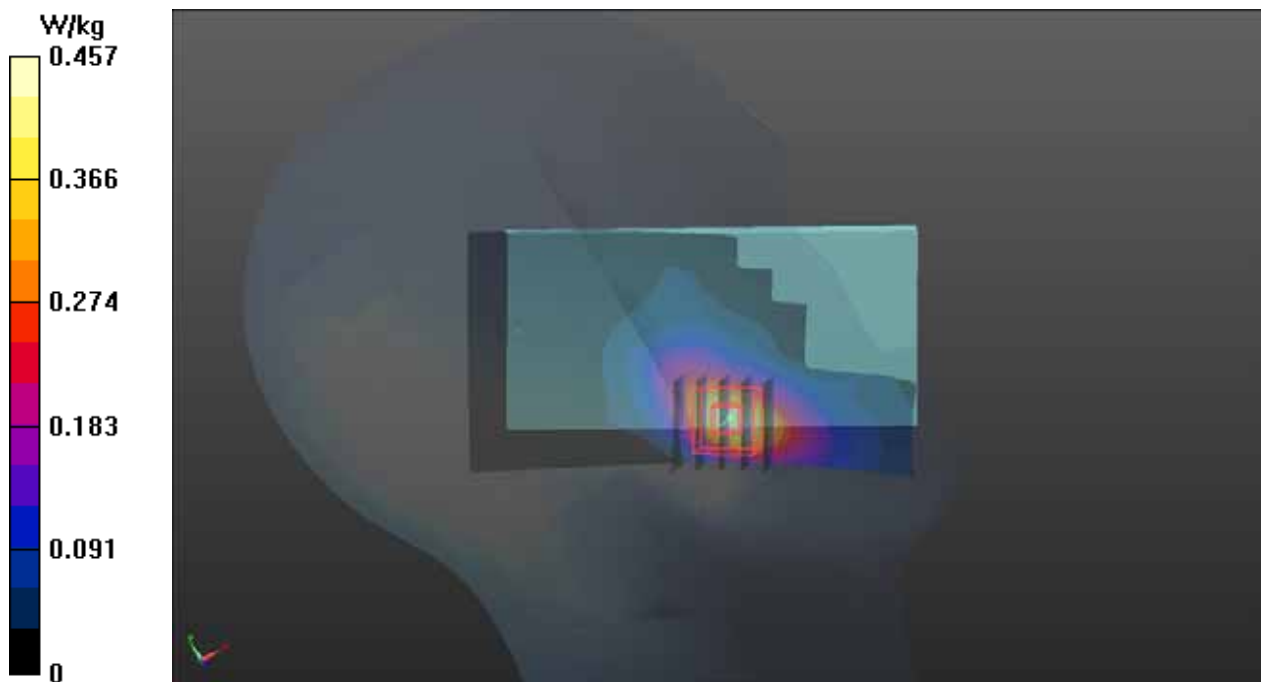
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.174 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.577 W/kg

**SAR(1 g) = 0.304 W/kg; SAR(10 g) = 0.155 W/kg**

Maximum value of SAR (measured) = 0.347 W/kg



## **P09 LTE 12\_QPSK10M\_Right Cheek\_Ch23095\_Sample1\_Ant1\_1RB\_OS24**

**DUT: 141203C10**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: H07T08N3\_0112 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.861$  S/m;  $\epsilon_r = 40.832$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.93, 9.93, 9.93); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.109 W/kg

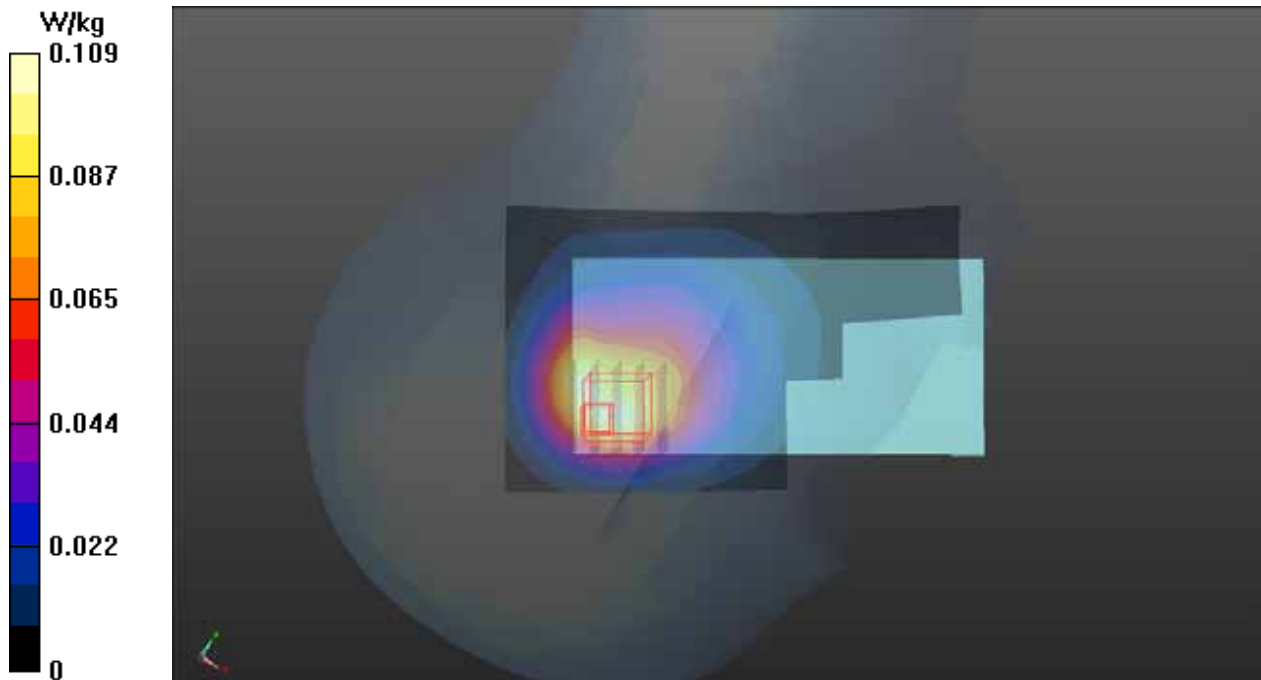
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.450 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.169 W/kg

**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.055 W/kg**

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



## **P10 LTE 17\_QPSK10M\_Right Cheek\_Ch23790\_Sample1\_Ant1\_1RB\_OS0**

**DUT: 141203C10**

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

Medium: H07T08N3\_0113 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.863$  S/m;  $\epsilon_r = 40.778$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.8 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.93, 9.93, 9.93); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

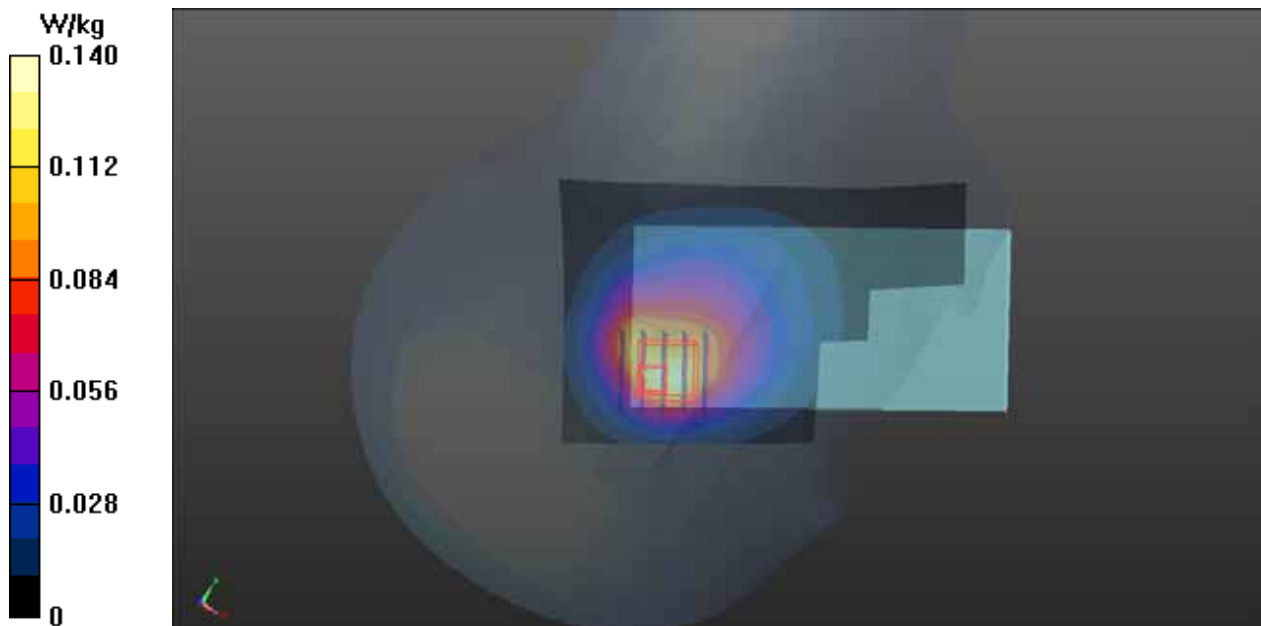
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.91 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.223 W/kg

**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.067 W/kg**

Maximum value of SAR (measured) = 0.170 W/kg



**P11 802.11b\_Left Cheek\_Ch6\_Sample1****DUT: 141203C10**

Communication System: WLAN\_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: H24T25N2\_0115 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.853$  S/m;  $\epsilon_r = 38.897$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(7.43, 7.43, 7.43); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.490 W/kg

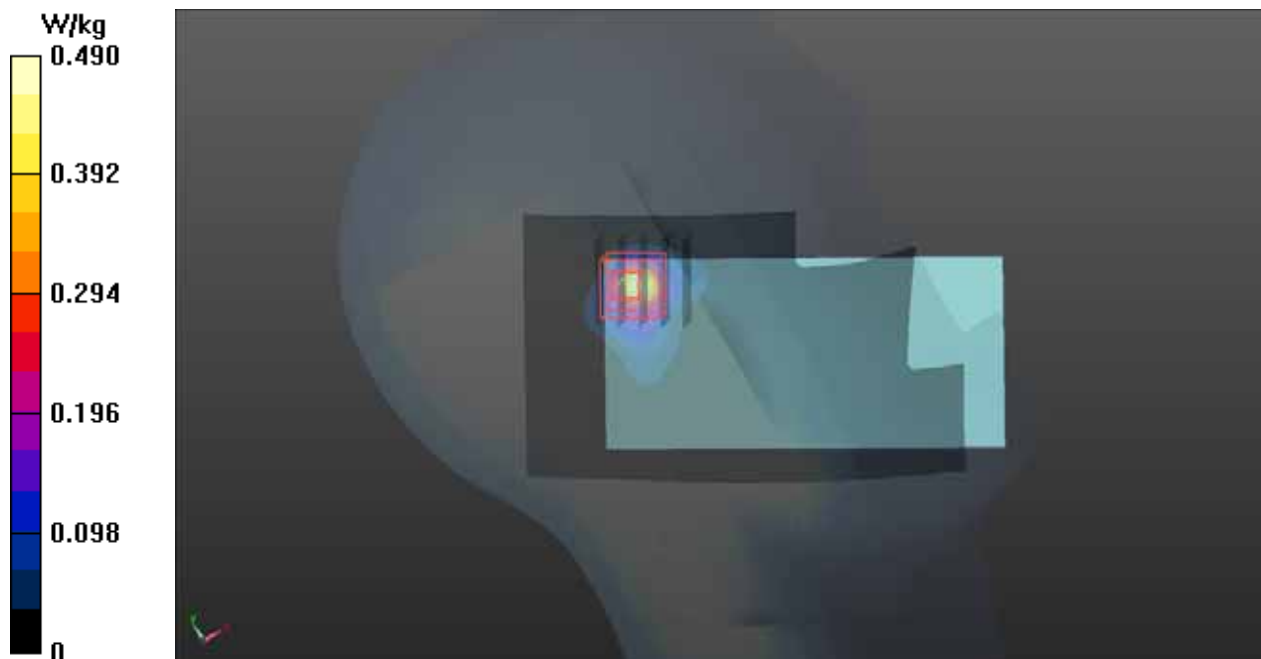
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.165 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.822 W/kg

**SAR(1 g) = 0.253 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.508 W/kg



**P12 802.11a\_Left Cheek\_Ch36\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: H50T60N2\_0115 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.792$  S/m;  $\epsilon_r = 37.424$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(5.22, 5.22, 5.22); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

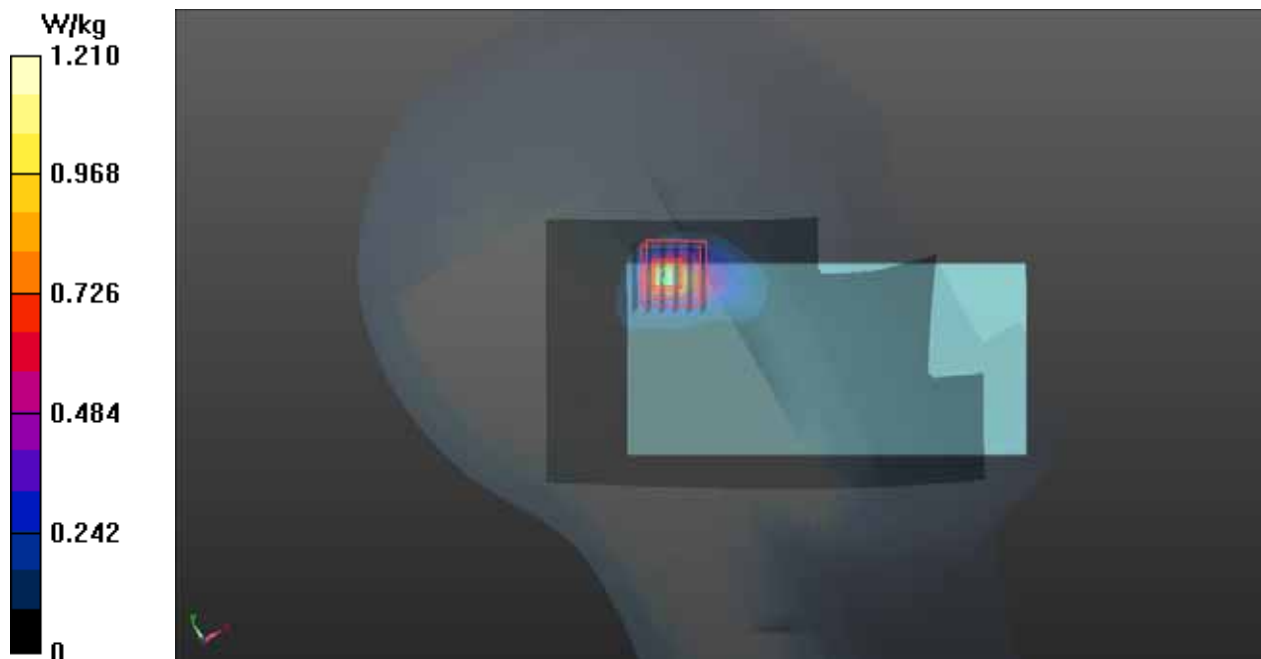
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.429 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 2.32 W/kg

**SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.132 W/kg**

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



**P13 802.11a\_Left Cheek\_Ch60\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: H50T60N2\_0115 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.914$  S/m;  $\epsilon_r = 37.221$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.81, 4.81, 4.81); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 1.36 W/kg

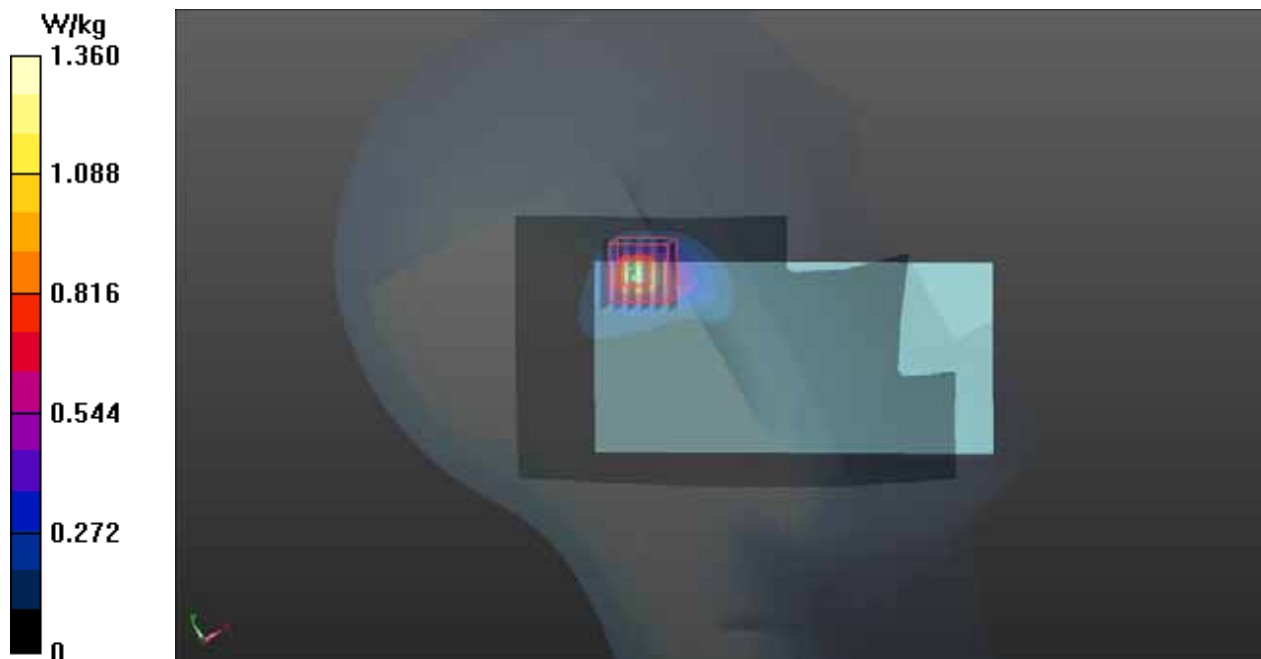
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.636 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.38 W/kg

**SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 1.14 W/kg



**P14 802.11a\_Left Cheek\_Ch116\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: H50T60N2\_0115 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.206$  S/m;  $\epsilon_r = 36.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.55, 4.55, 4.55); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.997 W/kg

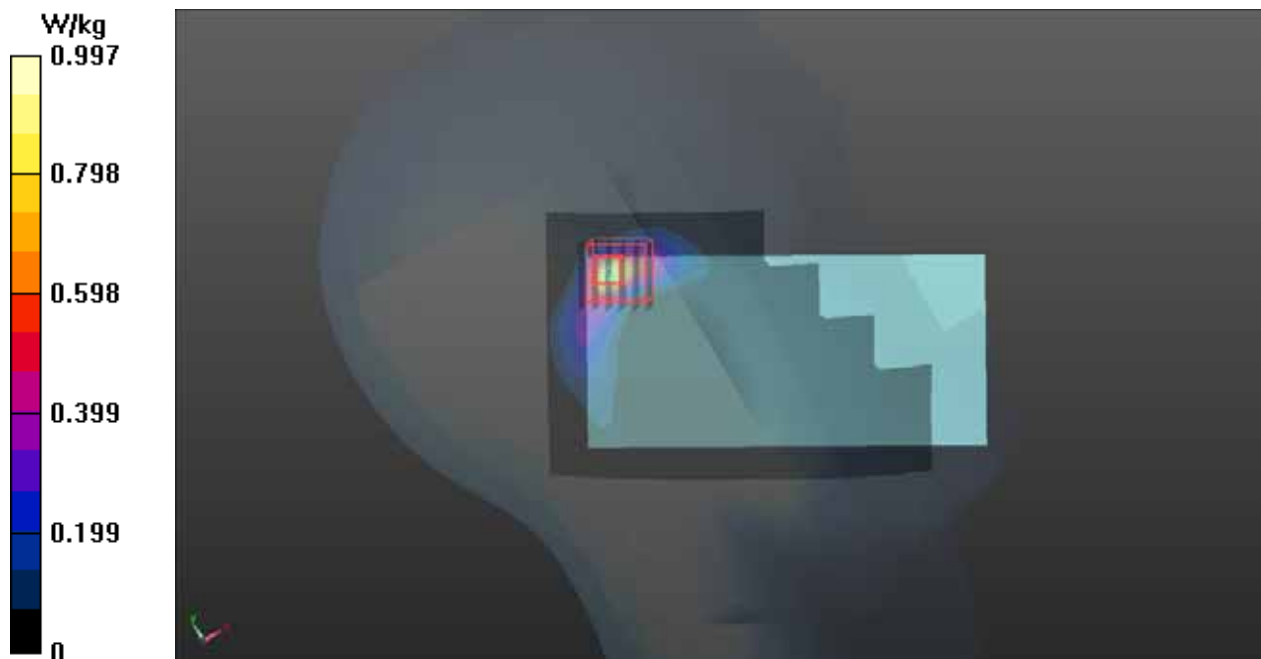
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.773 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 1.90 W/kg

**SAR(1 g) = 0.341 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.630 W/kg



**P15 802.11a\_Left Cheek\_Ch157\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: H50T60N2\_0115 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.402$  S/m;  $\epsilon_r = 36.364$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.53, 4.53, 4.53); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.939 W/kg

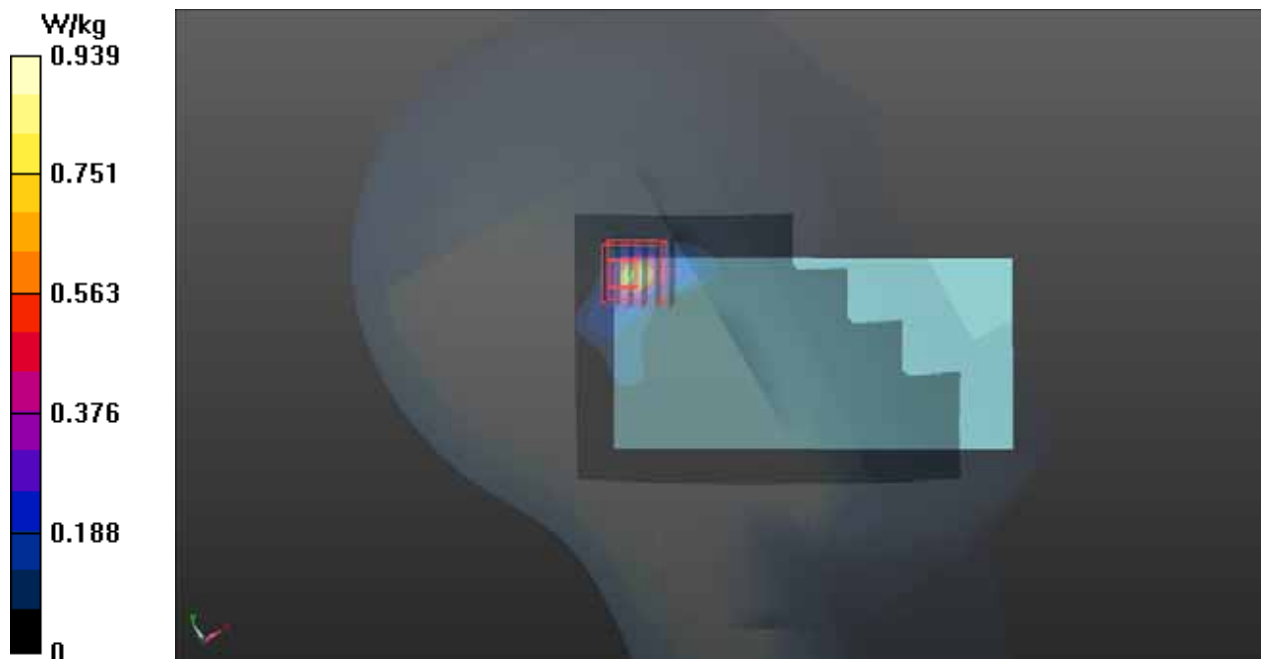
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.516 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.84 W/kg

**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.088 W/kg**

Maximum value of SAR (measured) = 0.843 W/kg





**P16 GSM850\_GPRS12\_Rear Face\_1cm\_Ch128\_Sample1\_Ant1****DUT: 141203C10**

Communication System: GPRS12; Frequency: 824.2 MHz; Duty Cycle: 1:2

Medium: B08T09N2\_0116 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.951$  S/m;  $\epsilon_r = 56.188$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.170 W/kg

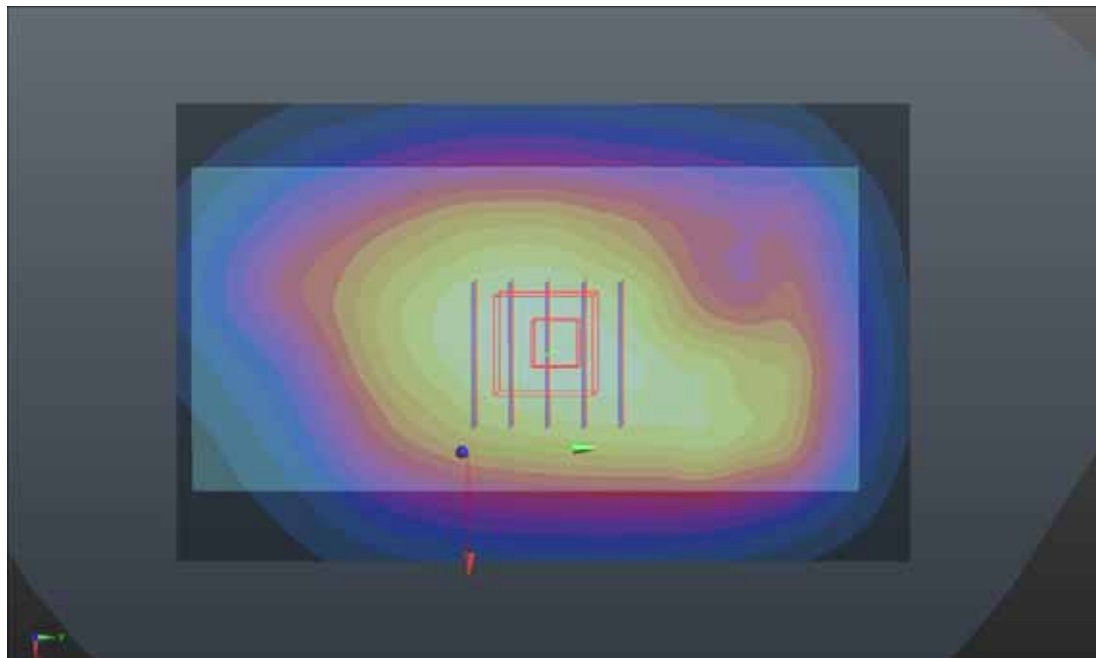
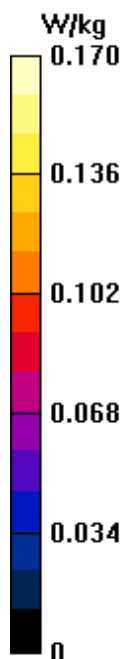
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.41 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.184 W/kg

**SAR(1 g) = 0.147 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.168 W/kg



**P17 GSM1900\_GPRS12\_Rear Face\_1cm\_Ch810\_Sample1\_Ant1****DUT: 141203C10**

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

Medium: B18T19N3\_0116 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 53.639$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (81x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

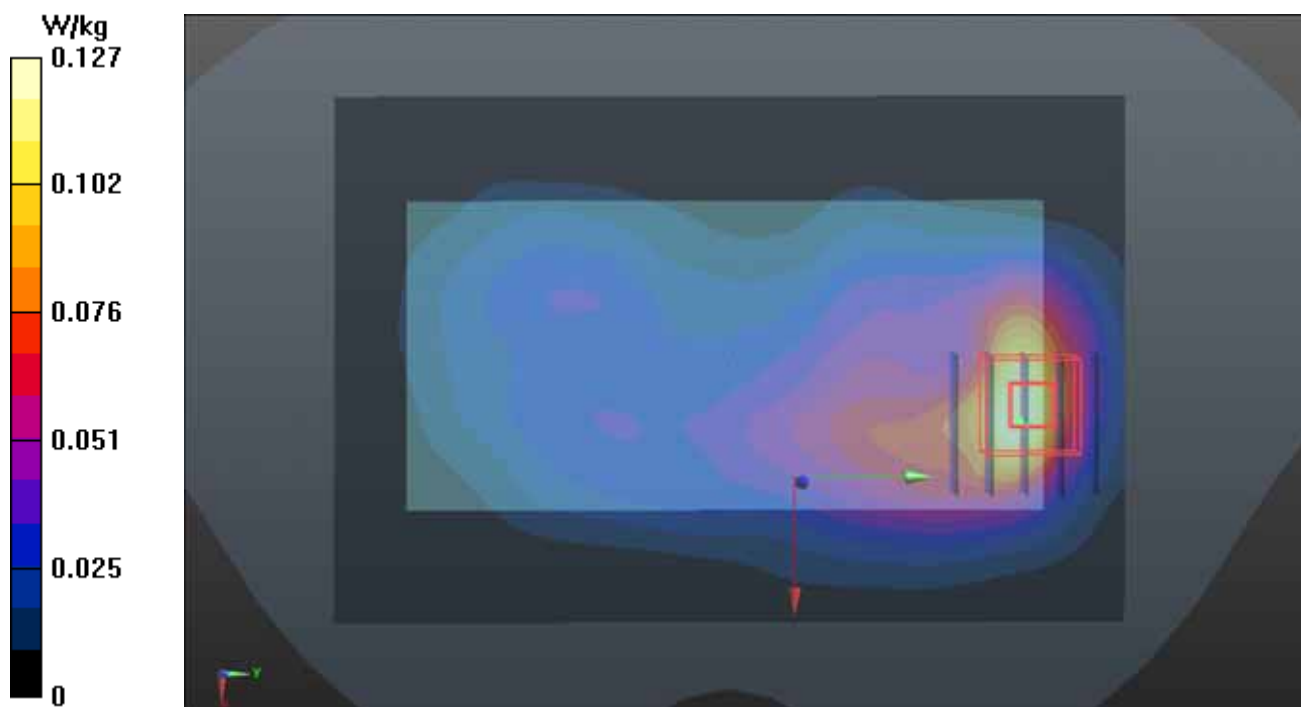
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.311 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.137 W/kg

**SAR(1 g) = 0.081 W/kg; SAR(10 g) = 0.045 W/kg**

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



**P18 WCDMA II\_RMC12.2K\_Rear Face\_1cm\_Ch9400\_Sample1\_Ant1****DUT: 141203C10**

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

Medium: B18T19N3\_0117 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.488$  S/m;  $\epsilon_r = 53.748$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

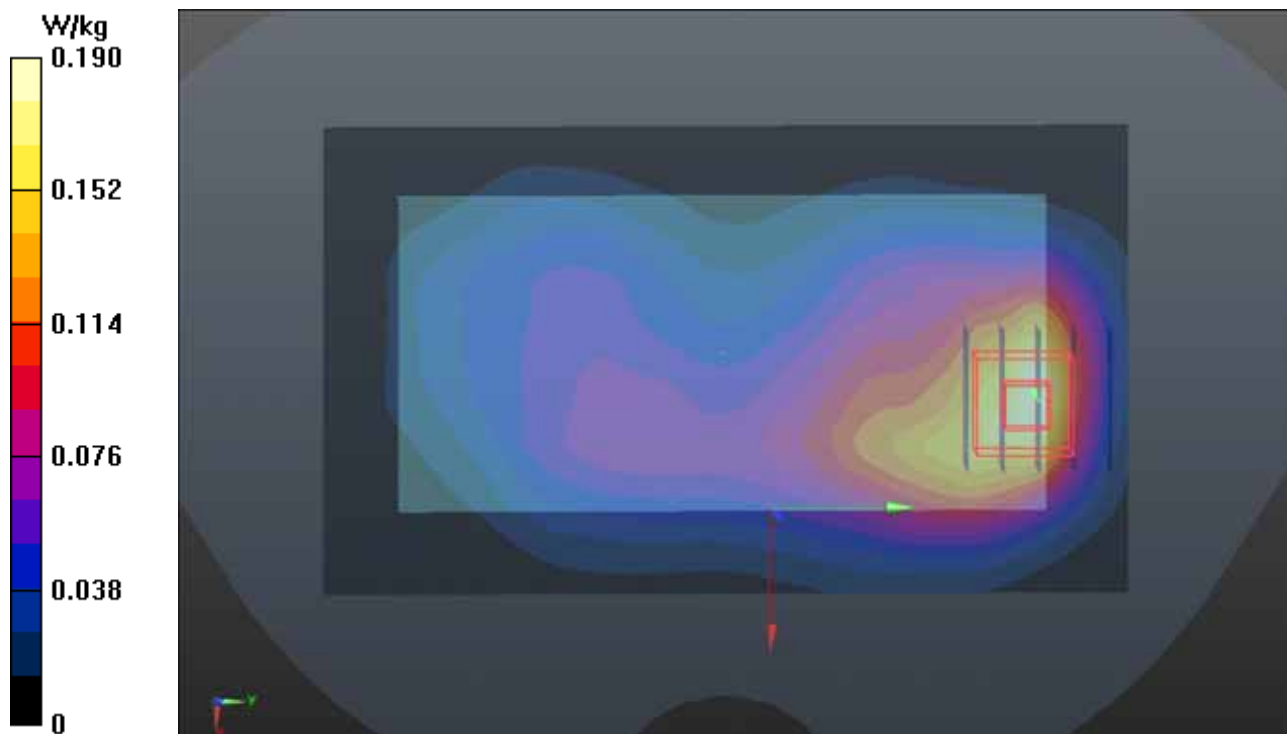
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.868 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.096 W/kg**

Maximum value of SAR (measured) = 0.206 W/kg



**P19 WCDMA IV\_RMC12.2K\_Rear Face\_1cm\_Ch1312\_Sample1\_Ant1****DUT: 141203C10**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: B17T18N3\_0117 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.448$  S/m;  $\epsilon_r = 52.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3590; ConvF(8.35, 8.35, 8.35); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.212 W/kg

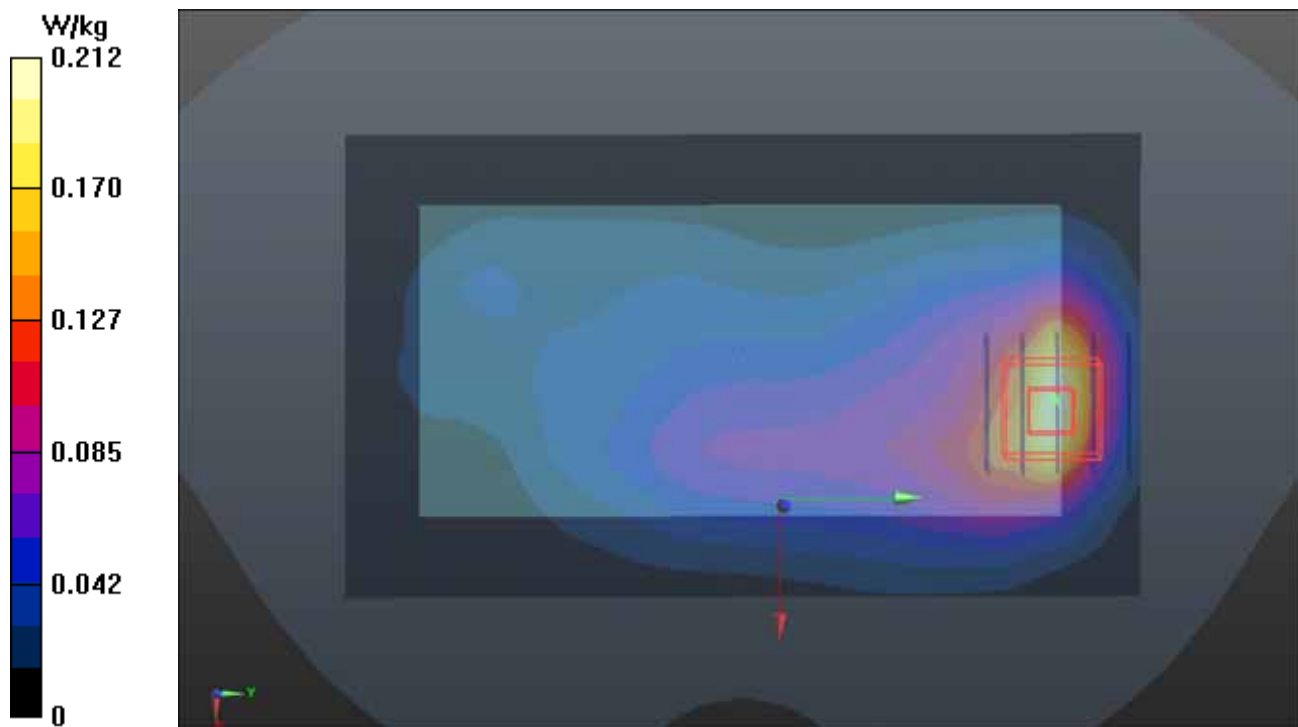
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.161 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.167 W/kg; SAR(10 g) = 0.092 W/kg**

Maximum value of SAR (measured) = 0.226 W/kg



**P20 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4182\_Sample1\_Ant1****DUT: 141203C10**

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

Medium: B08T09N2\_0116 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.962$  S/m;  $\epsilon_r = 56.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(9.74, 9.74, 9.74); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.134 W/kg

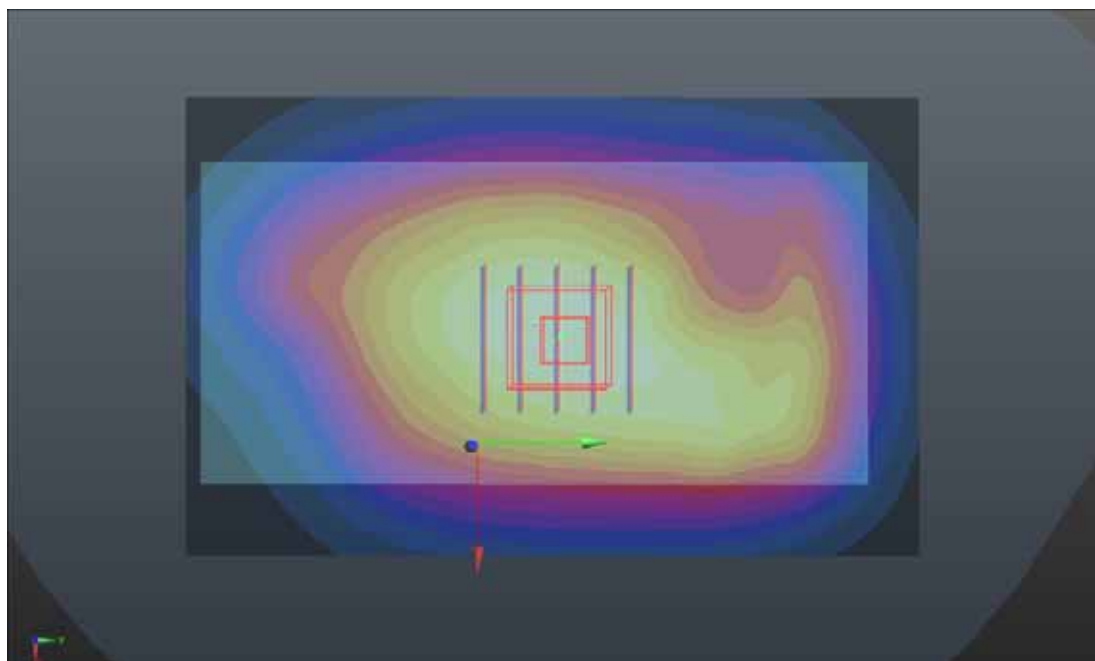
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.84 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.145 W/kg

**SAR(1 g) = 0.115 W/kg; SAR(10 g) = 0.089 W/kg**

Maximum value of SAR (measured) = 0.132 W/kg



**P21 LTE 2\_QPSK20M\_Rear Face\_1cm\_Ch18900\_Sample1\_Ant1\_1RB\_OS0****DUT: 141203C10**

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

Medium: B18T19N3\_0117 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.488$  S/m;  $\epsilon_r = 53.748$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.220 W/kg

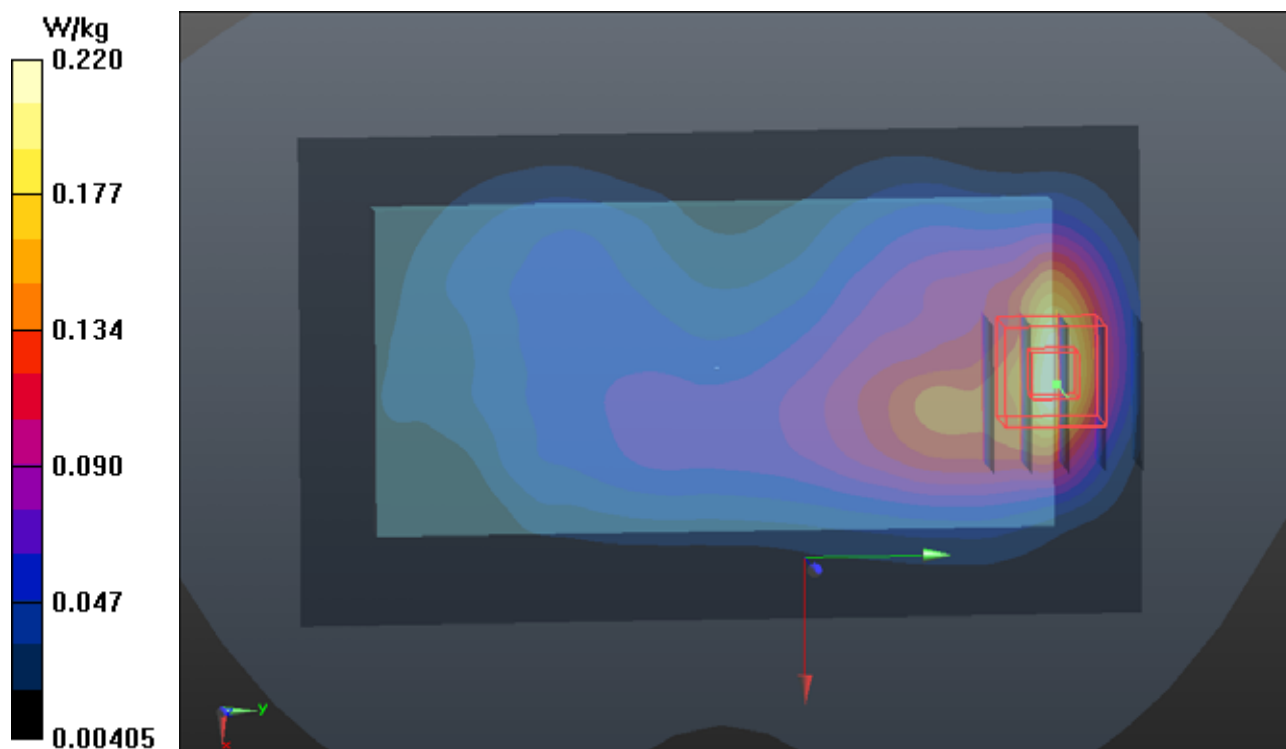
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.379 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.275 W/kg

**SAR(1 g) = 0.159 W/kg; SAR(10 g) = 0.088 W/kg**

Maximum value of SAR (measured) = 0.220 W/kg



**P22 LTE 4\_QPSK20M\_Rear Face\_1cm\_Ch20300\_Sample1\_Ant1\_1RB\_OS0****DUT: 141203C10**

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

Medium: B17T18N3\_0117 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.482$  S/m;  $\epsilon_r = 52.158$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C; Liquid Temperature : 21.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3590; ConvF(8.35, 8.35, 8.35); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

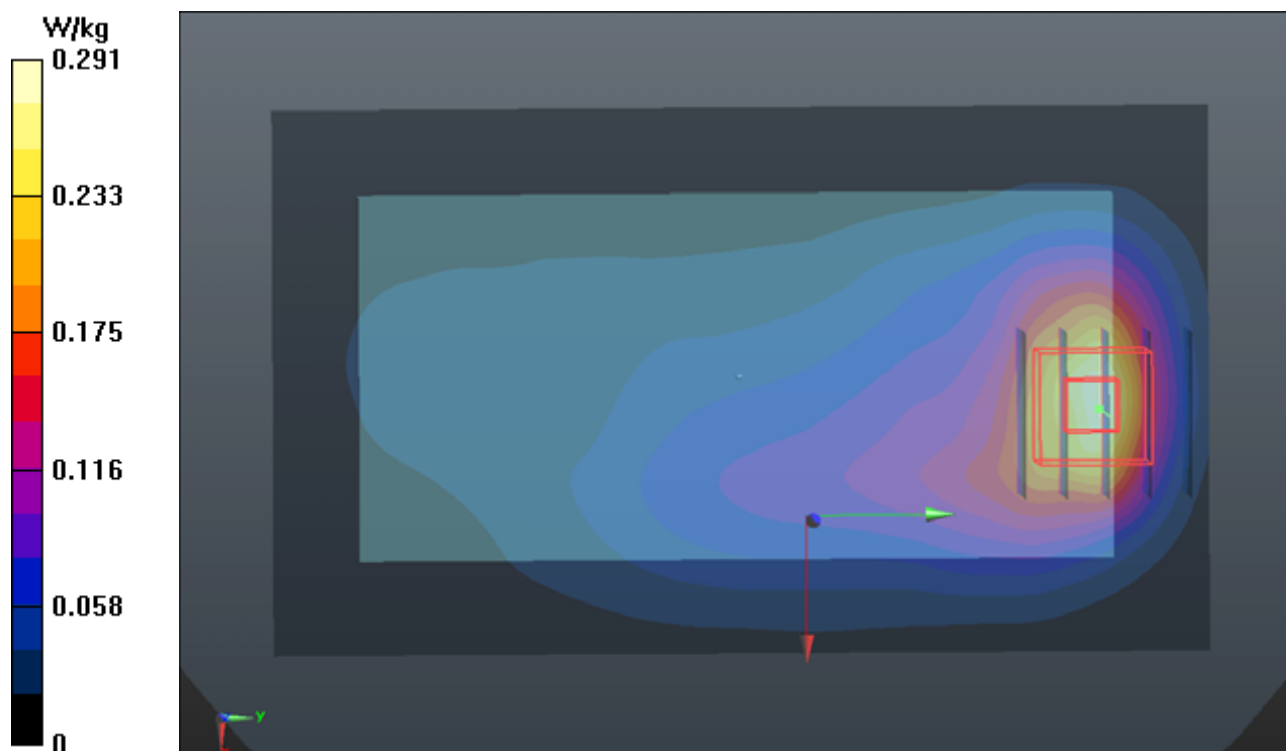
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.234 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.415 W/kg

**SAR(1 g) = 0.241 W/kg; SAR(10 g) = 0.130 W/kg**

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



## **P23 LTE 7\_QPSK20M\_Front Face\_1cm\_Ch21100\_Sample1\_Ant0\_1RB\_OS50**

**DUT: 141203C10**

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

Medium: B25T27N2\_0118 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.118$  S/m;  $\epsilon_r = 52.488$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9°C; Liquid Temperature : 21.7°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.69, 6.69, 6.69); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x151x1):** Interpolated grid:  $dx=1.200$  mm,  $dy=1.200$  mm

Maximum value of SAR (interpolated) = 0.369 W/kg

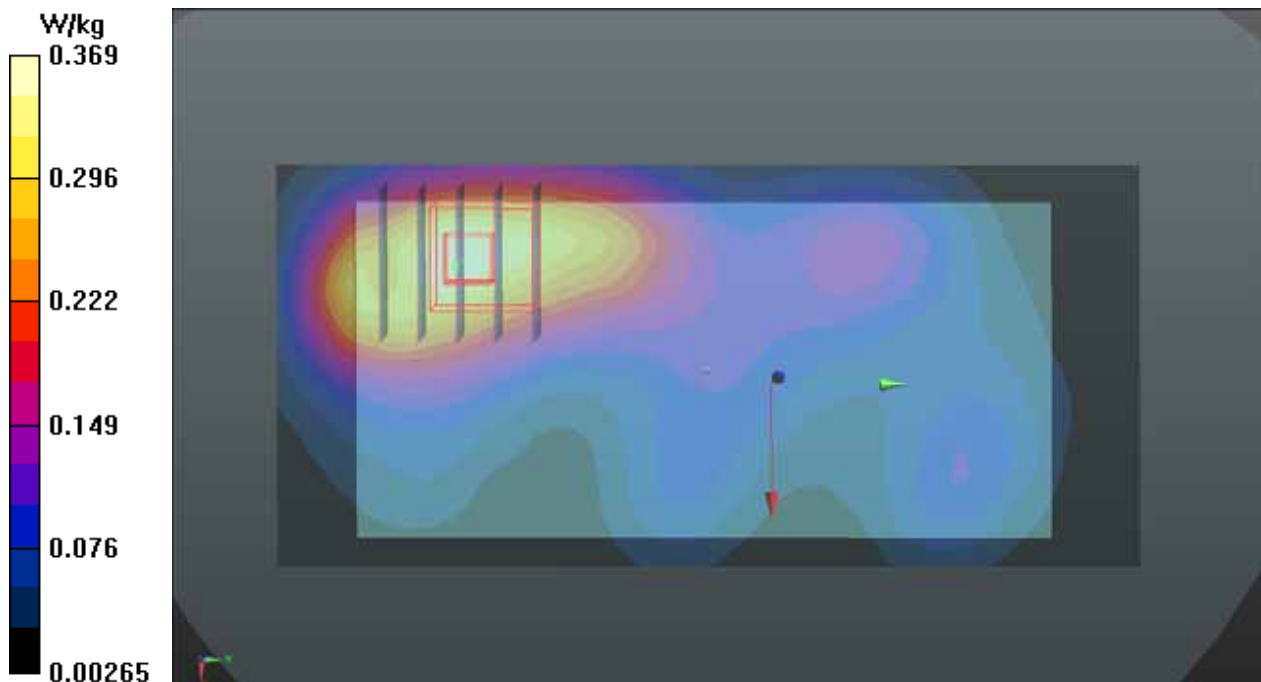
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 7.165 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.494 W/kg

**SAR(1 g) = 0.265 W/kg; SAR(10 g) = 0.147 W/kg**

Maximum value of SAR (measured) = 0.376 W/kg





**P24 LTE 12\_QPSK10M\_Rear Face\_1cm\_Ch23095\_Sample1\_Ant0\_1RB\_OS24****DUT: 141203C10**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: B07T08N2\_0116 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.938$  S/m;  $\epsilon_r = 56.308$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(9.91, 9.91, 9.91); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0668 W/kg

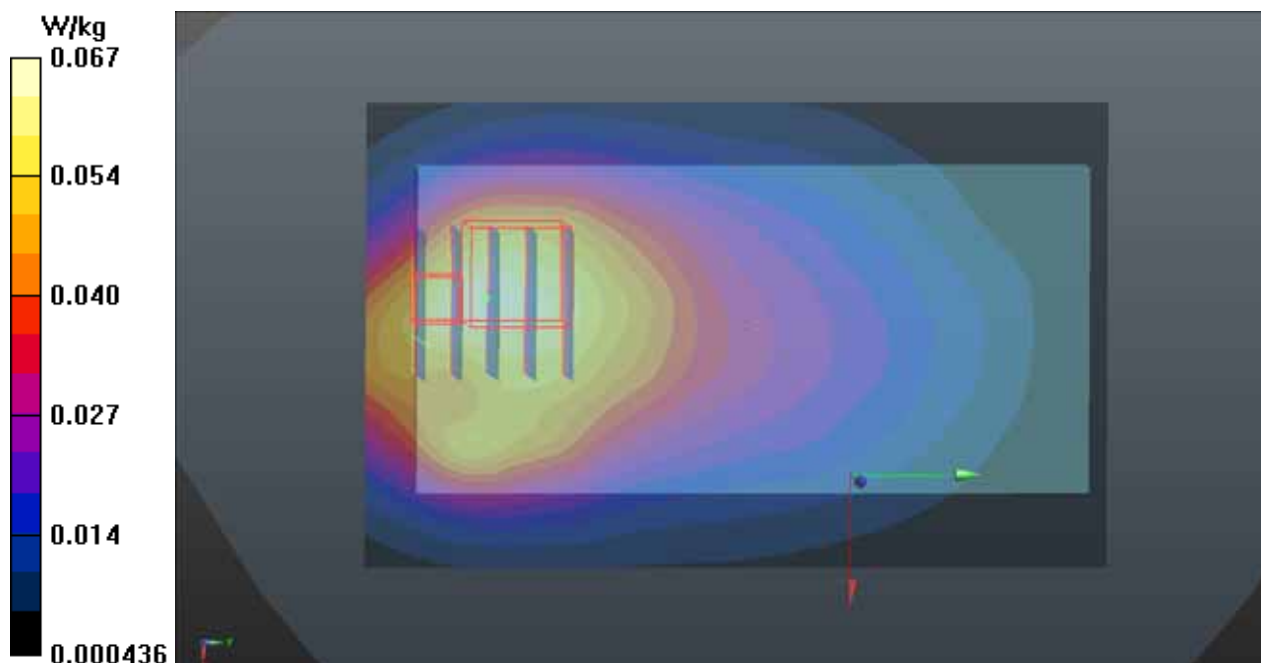
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.576 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.102 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.030 W/kg**

Maximum value of SAR (measured) = 0.0782 W/kg



**P25 LTE 17\_QPSK10M\_Rear Face\_1cm\_Ch23790\_Sample1\_Ant0\_1RB\_OS0****DUT: 141203C10**

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

Medium: B07T08N2\_0116 Medium parameters used:  $f = 710$  MHz;  $\sigma = 0.94$  S/m;  $\epsilon_r = 56.287$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(9.91, 9.91, 9.91); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.0681 W/kg

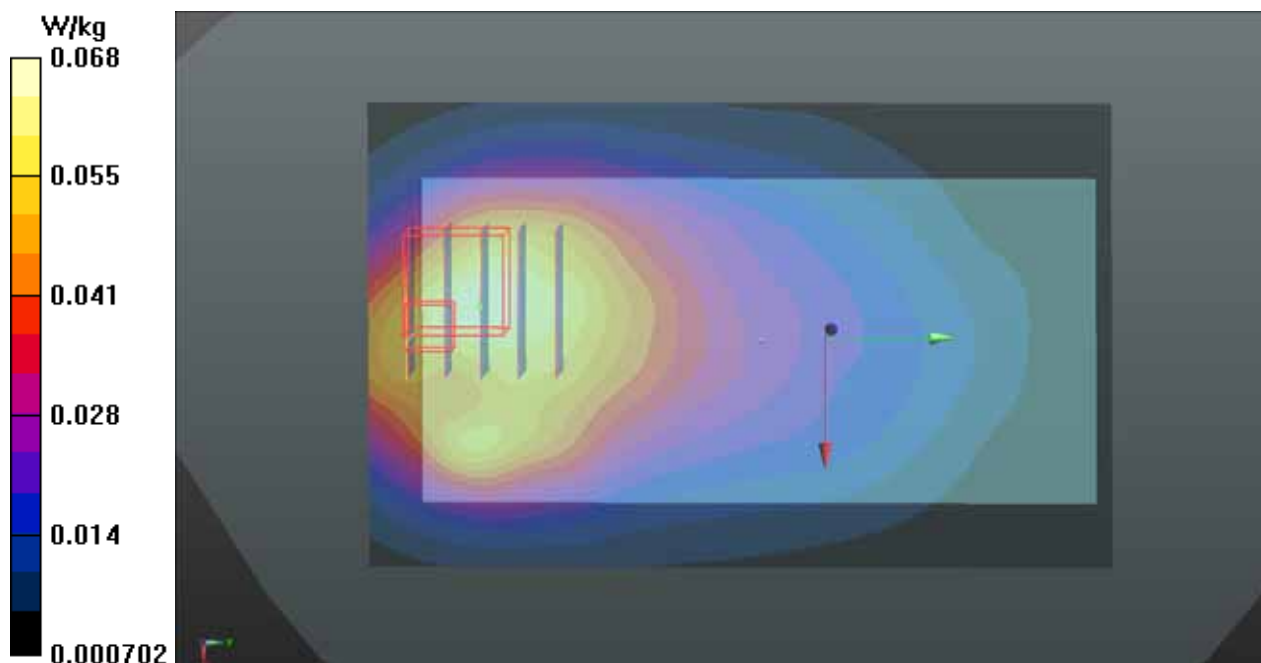
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.440 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.103 W/kg

**SAR(1 g) = 0.055 W/kg; SAR(10 g) = 0.030 W/kg**

Maximum value of SAR (measured) = 0.0784 W/kg



**P26 802.11b\_Front Face\_1cm\_Ch6\_Sample1****DUT: 141203C10**

Communication System: WLAN\_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1

Medium: B24T25N1\_0116 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.983$  S/m;  $\epsilon_r = 50.797$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.7 °C; Liquid Temperature : 21.8 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(7.29, 7.29, 7.29); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (91x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0488 W/kg

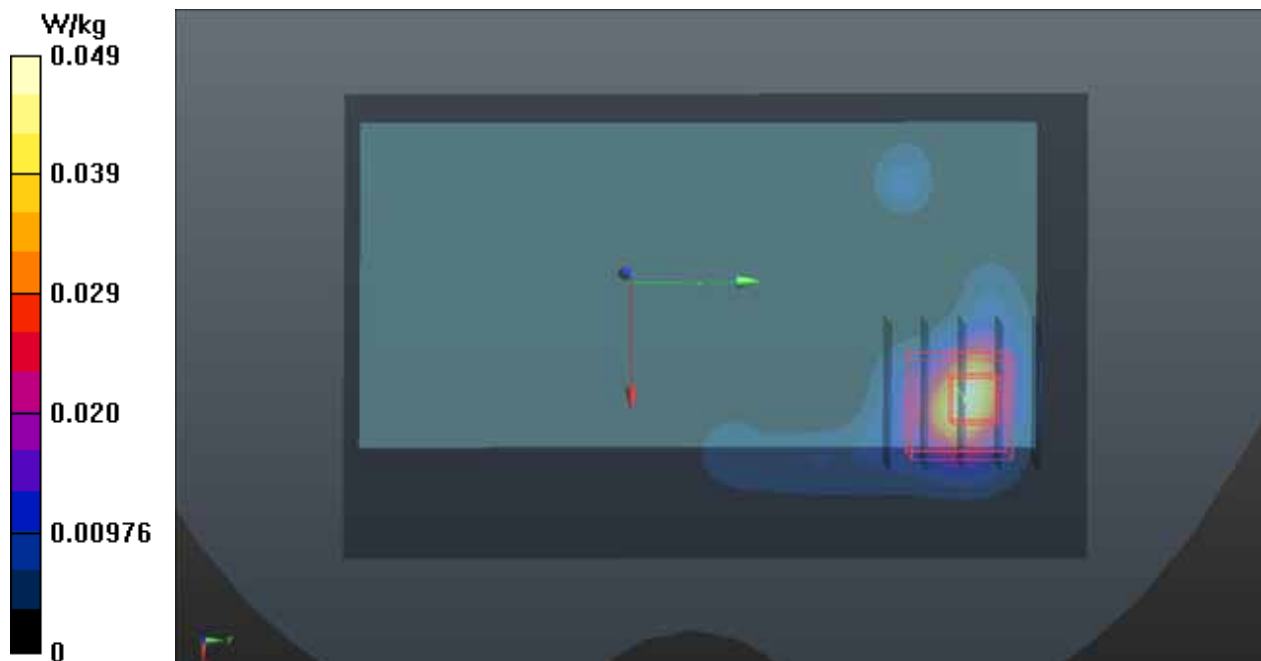
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.3200 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.0580 W/kg

**SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.012 W/kg**

Maximum value of SAR (measured) = 0.0451 W/kg



**P27 802.11a\_Front Face\_1cm\_Ch36\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: B50T60N1\_0115 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.296$  S/m;  $\epsilon_r = 47.379$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.9 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.59, 4.59, 4.59); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.242 W/kg

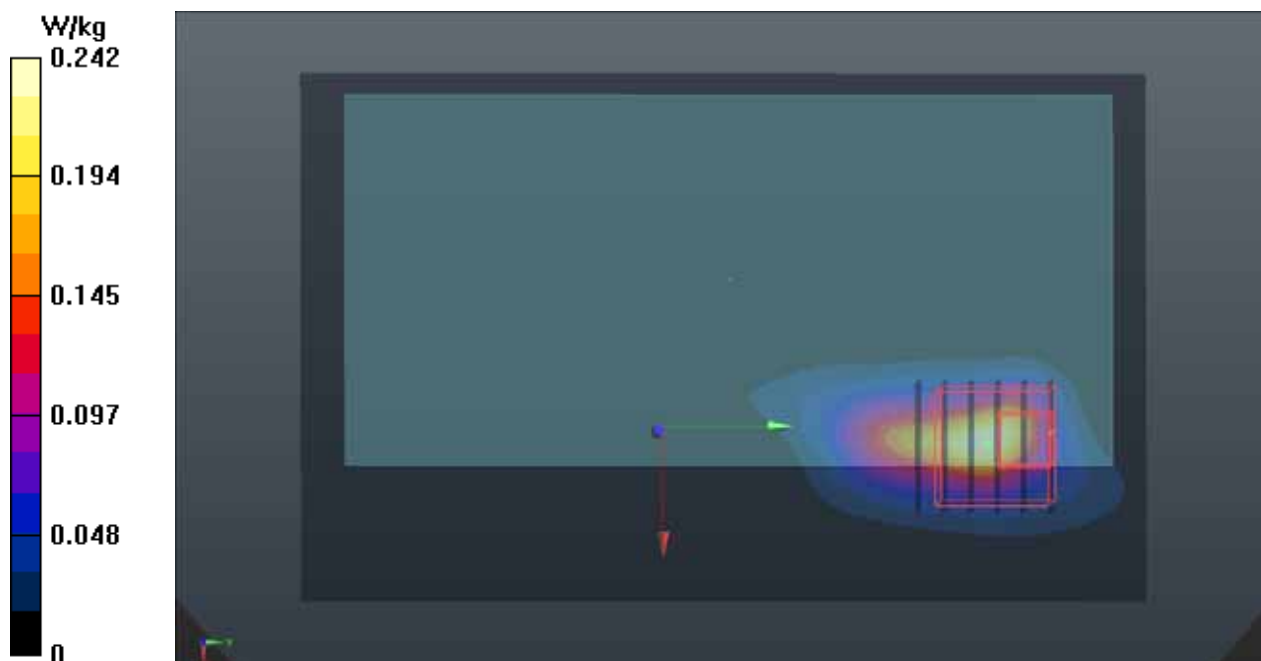
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.7280 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.190 W/kg

**SAR(1 g) = 0.056 W/kg; SAR(10 g) = 0.021 W/kg**

Maximum value of SAR (measured) = 0.113 W/kg



**P28 802.11a\_Front Face\_1cm\_Ch60\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5300 MHz; Duty Cycle: 1:1

Medium: B50T60N1\_0115 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.462$  S/m;  $\epsilon_r = 47.107$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.9 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.19, 4.19, 4.19); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.192 W/kg

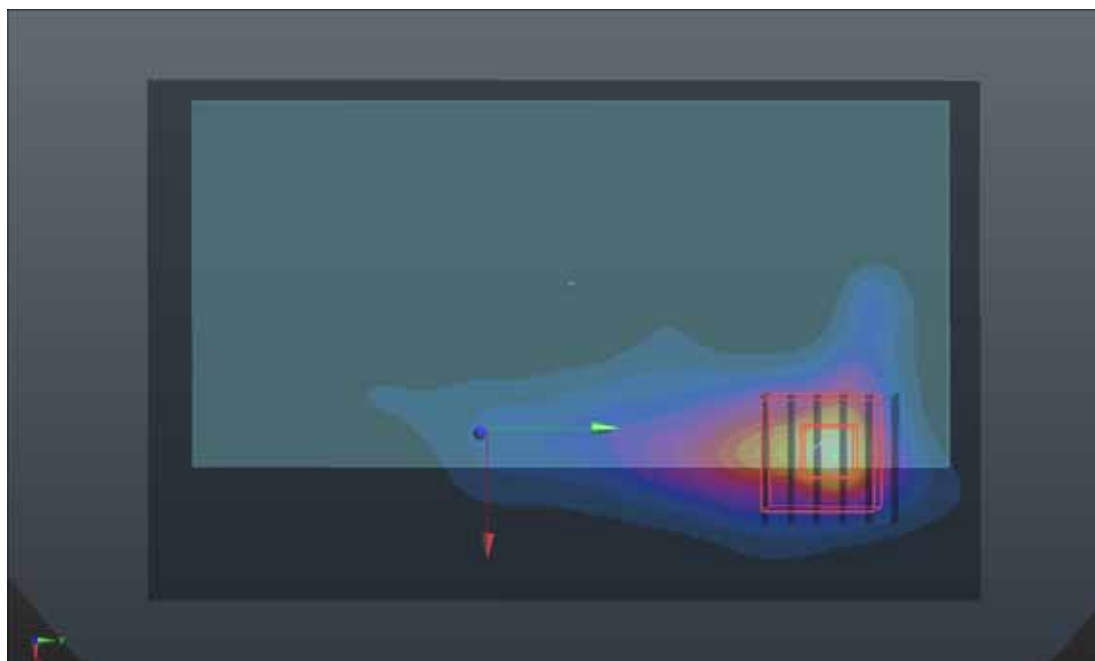
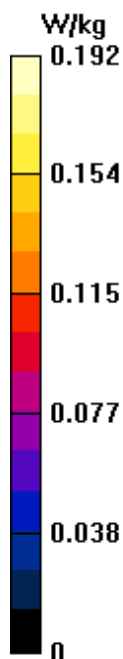
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.302 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.279 W/kg

**SAR(1 g) = 0.077 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.149 W/kg



**P29 802.11a\_Front Face\_1cm\_Ch116\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5580 MHz; Duty Cycle: 1:1

Medium: B50T60N1\_0115 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.876$  S/m;  $\epsilon_r = 46.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.9 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(3.87, 3.87, 3.87); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0300 W/kg

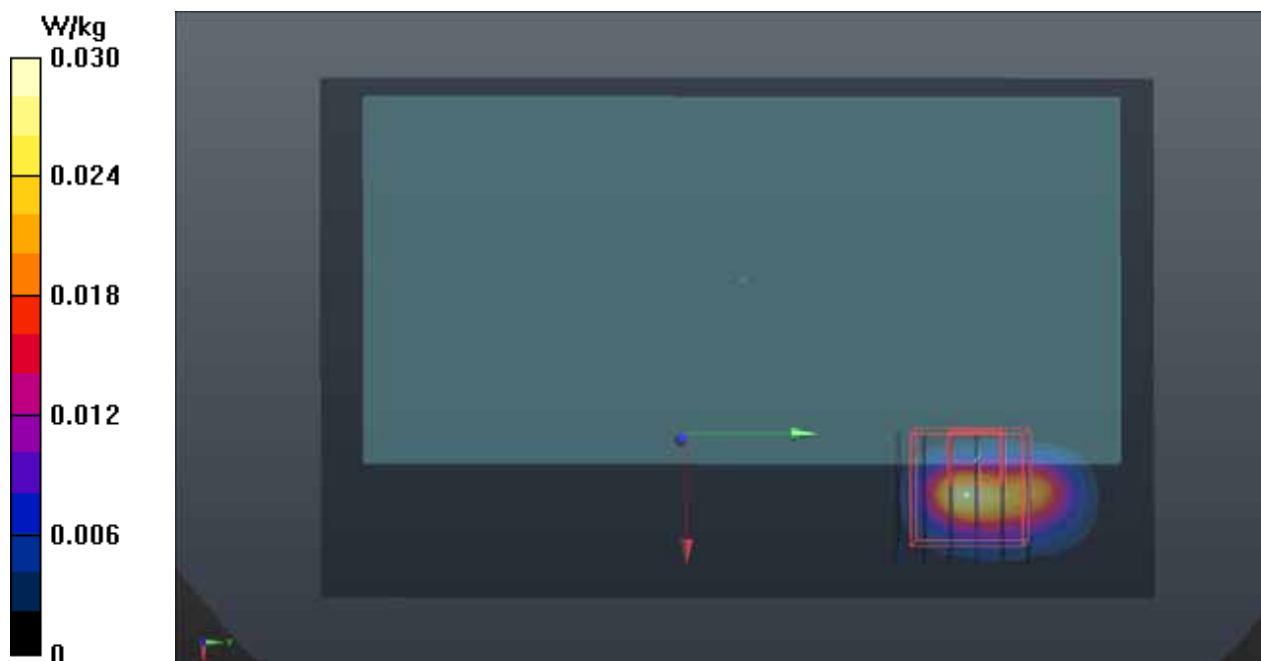
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.218 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00803 W/kg**

Maximum value of SAR (measured) = 0.0574 W/kg



**P30 802.11a\_Front Face\_1cm\_Ch157\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B50T60N2\_0116 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.18$  S/m;  $\epsilon_r = 46.486$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.12, 4.12, 4.12); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0847 W/kg

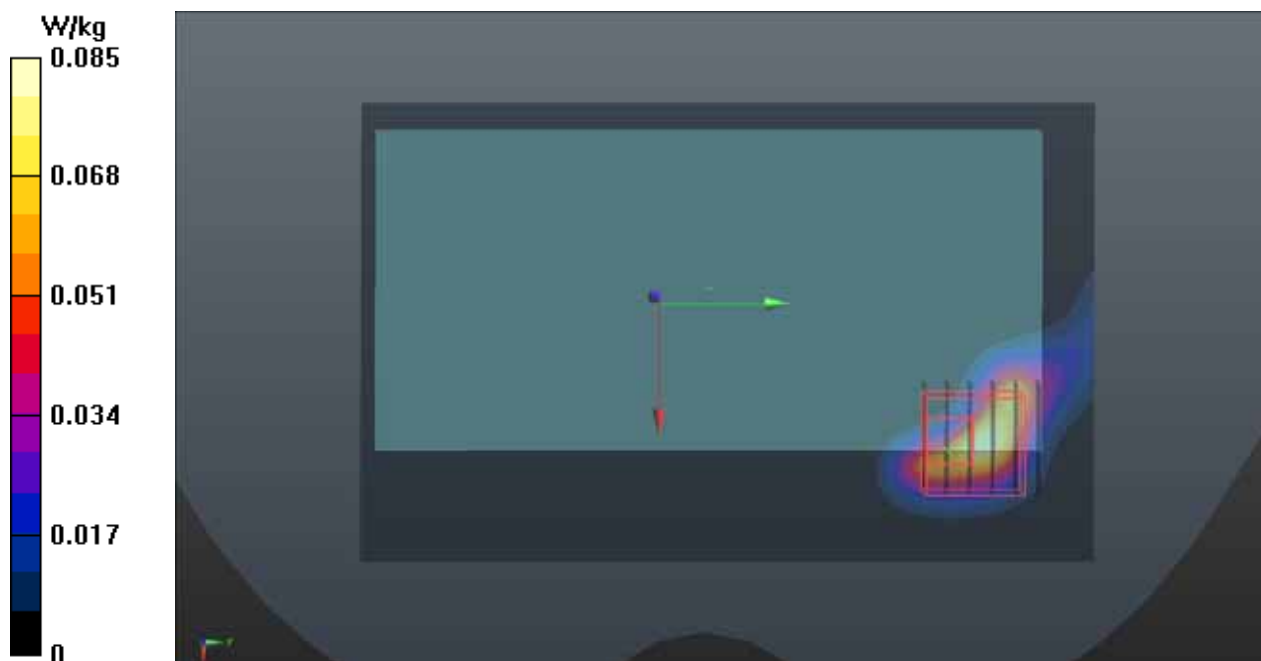
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.161 W/kg

**SAR(1 g) = 0.035 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0715 W/kg



**P31 GSM1900\_GPRS12\_Top Side\_1cm\_Ch810\_Sample1\_Ant1****DUT: 141203C10**

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

Medium: B18T19N3\_0116 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 53.639$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (151x81x1):** Interpolated grid: dx=0.400 mm, dy=1.500 mm

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

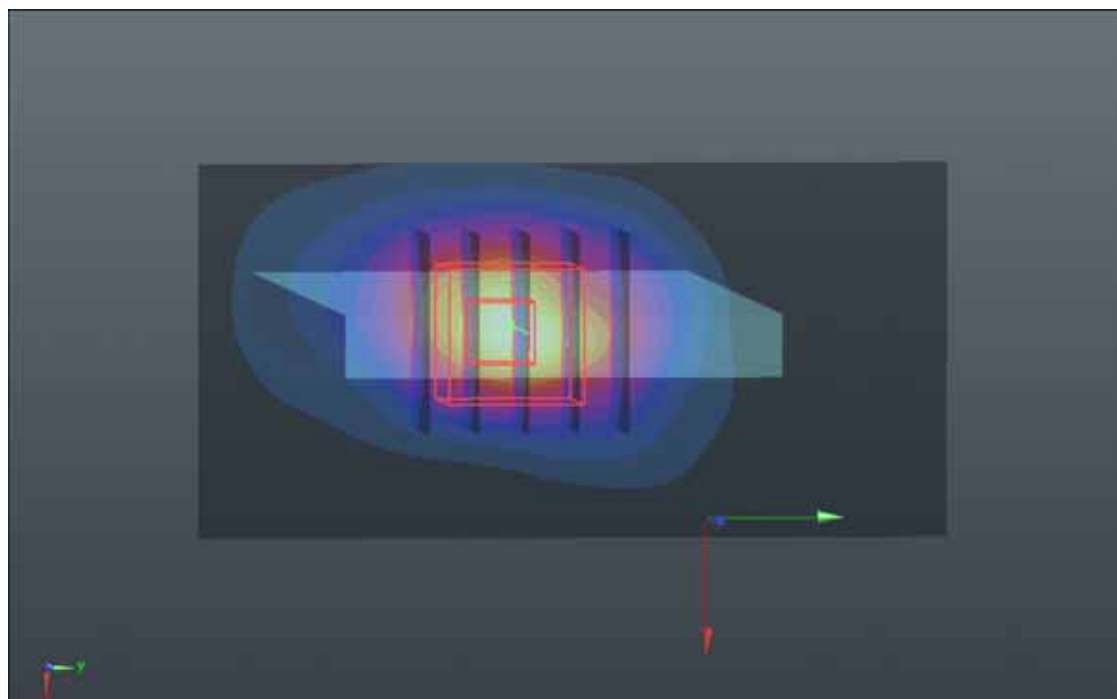
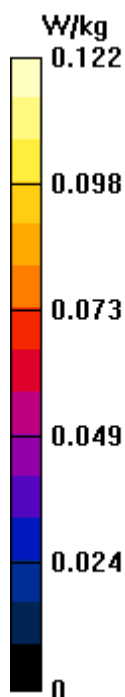
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.945 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.150 W/kg

**SAR(1 g) = 0.087 W/kg; SAR(10 g) = 0.046 W/kg**

Maximum value of SAR (measured) = 0.119 W/kg





**P32 802.11a\_Right Side\_1cm\_Ch36\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1

Medium: B50T60N1\_0115 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.296$  S/m;  $\epsilon_r = 47.379$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.9 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.59, 4.59, 4.59); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

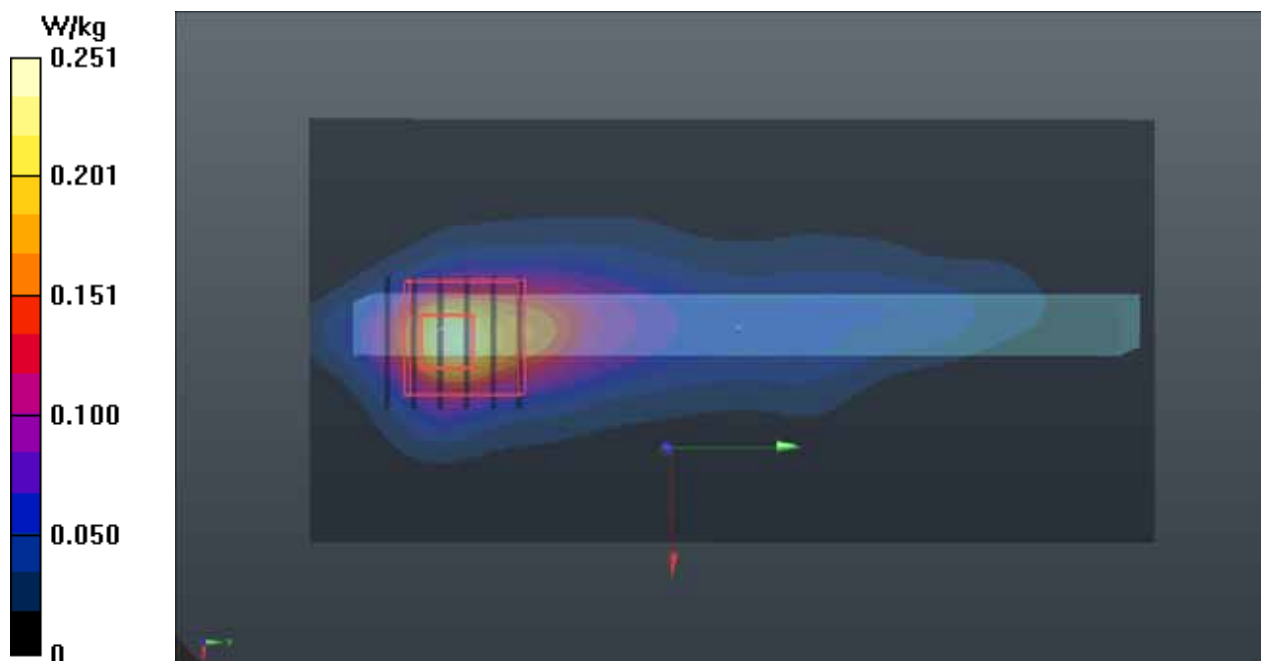
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.672 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.354 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.041 W/kg**

Maximum value of SAR (measured) = 0.189 W/kg



**P33 802.11a\_Right Side\_1cm\_Ch157\_Sample1****DUT: 141203C10**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1

Medium: B50T60N2\_0116 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.18$  S/m;  $\epsilon_r = 46.486$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(4.12, 4.12, 4.12); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

**- Area Scan (41x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.182 W/kg

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

Reference Value = 2.878 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.303 W/kg

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.028 W/kg**

Maximum value of SAR (measured) = 0.159 W/kg

