



## **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\_Ch189\_Sample1\_Ant1

**DUT: 131023C29**

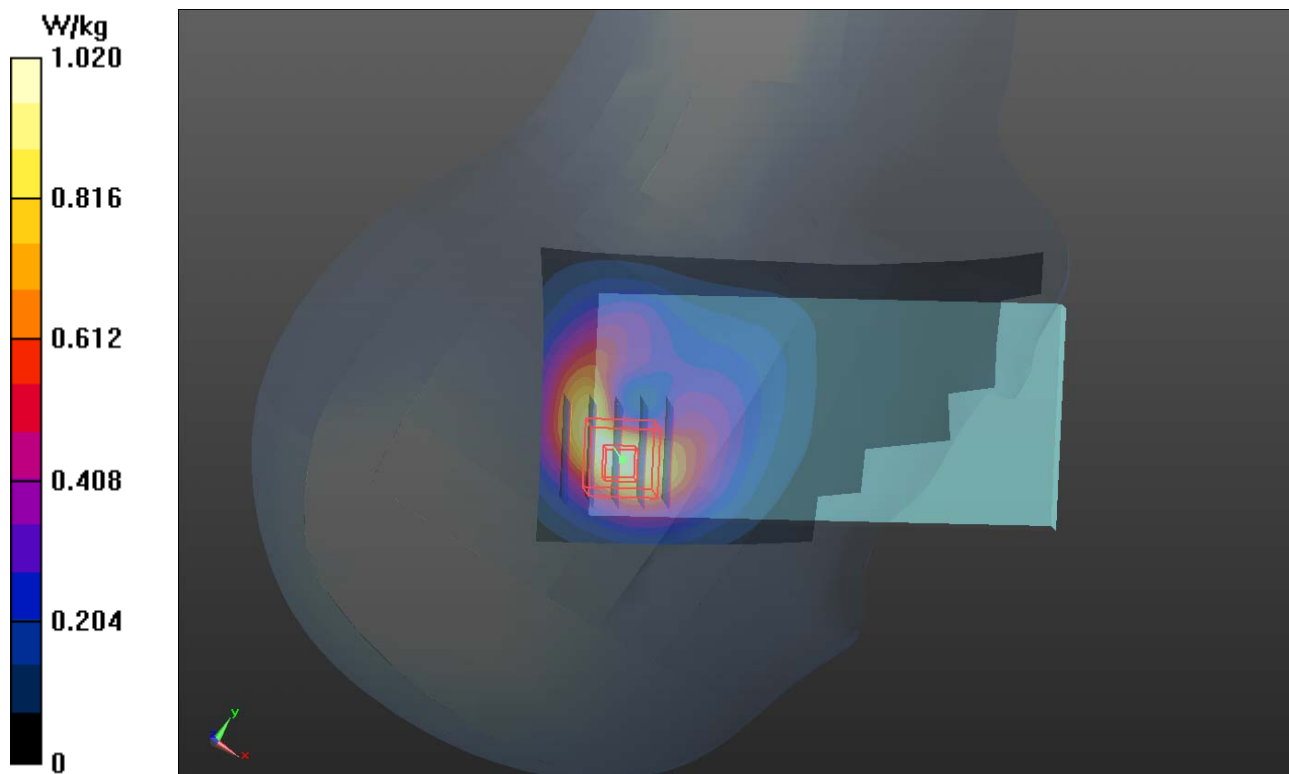
Communication System: GPRS12; Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: H835\_1228 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 42.88$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.9 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.96, 9.96, 9.96); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (61x111x1):** 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 = 19.953 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 1.39 W/kg  
**SAR(1 g) = 0.711 W/kg; SAR(10 g) = 0.386 W/kg**  
Maximum value of SAR (measured) = 0.999 W/kg



### P02 GSM1900\_GPRS12\_Right Cheek\_Ch512\_Sample1\_Ant1

**DUT: 131023C29**

Communication System: GPRS12; Frequency: 1850.2 MHz; Duty Cycle: 1:2

Medium: H1900\_0104 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.339$  S/m;  $\epsilon_r = 39.704$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.7 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.2, 8.2, 8.2); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 1.40 W/kg

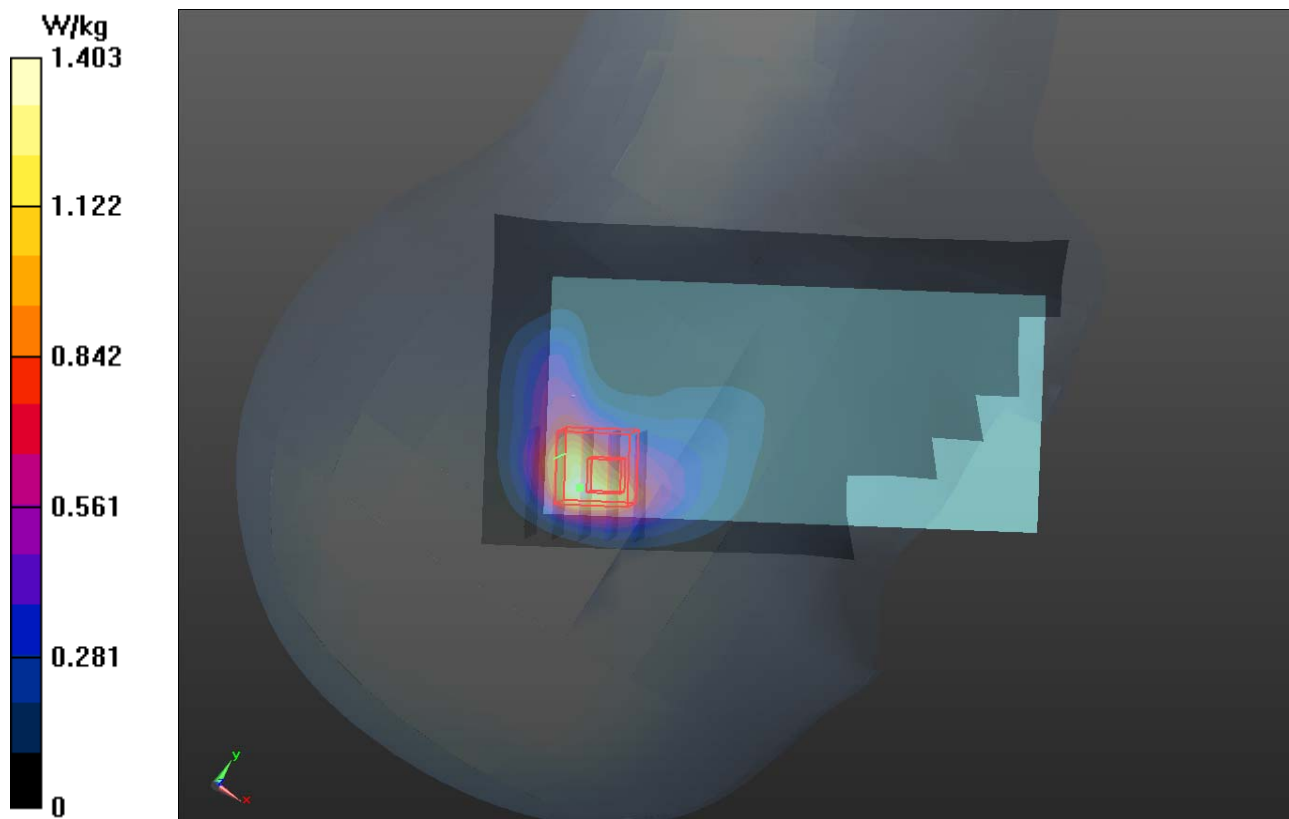
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.715 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.51 W/kg

**SAR(1 g) = 0.764 W/kg; SAR(10 g) = 0.426 W/kg**

Maximum value of SAR (measured) = 1.06 W/kg



### P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9538\_Sample1\_Ant1

**DUT: 131023C29**

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

Medium: H1900\_1230 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 41.698$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.2, 8.2, 8.2); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 1.69 W/kg

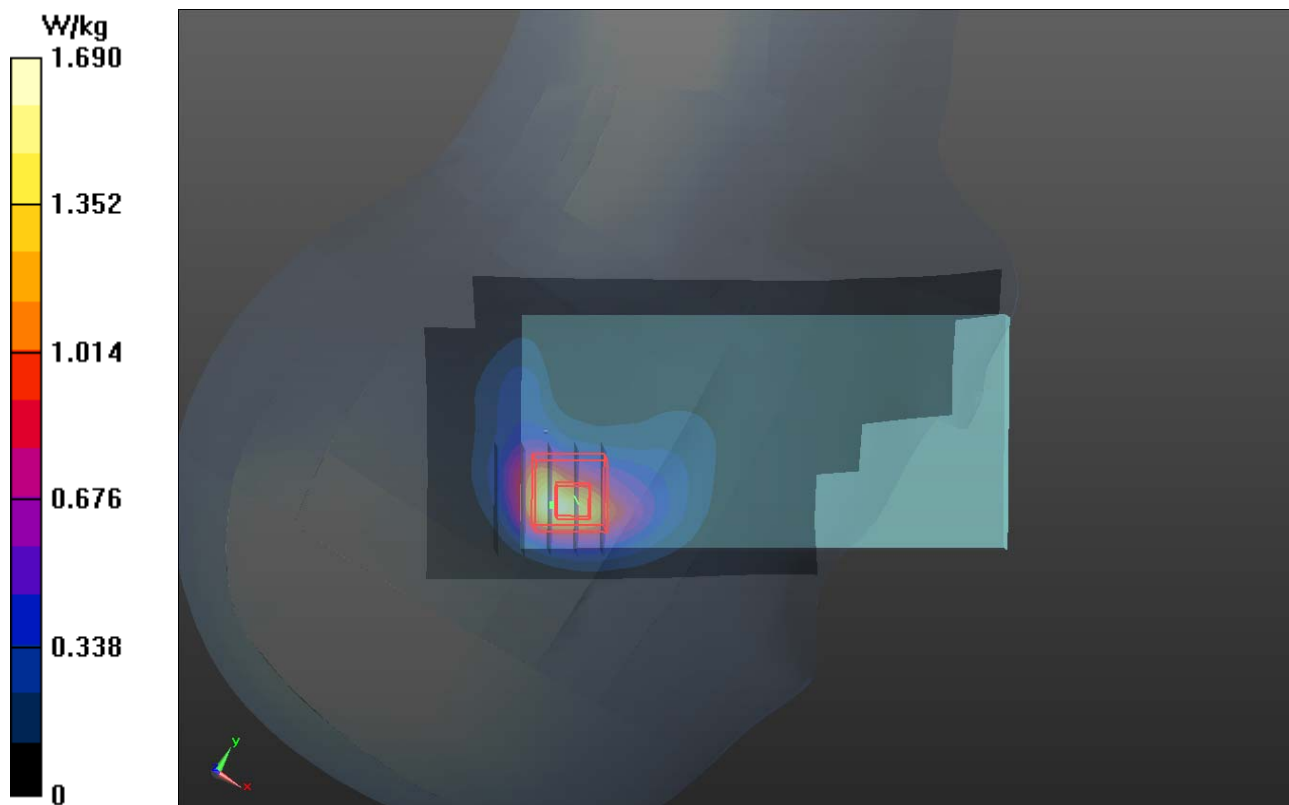
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.806 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.911 W/kg; SAR(10 g) = 0.492 W/kg**

Maximum value of SAR (measured) = 1.19 W/kg



### P04 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4132\_Sample1\_Ant1

**DUT: 131023C29**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: H835\_1228 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.88$  S/m;  $\epsilon_r = 42.99$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 21.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.96, 9.96, 9.96); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

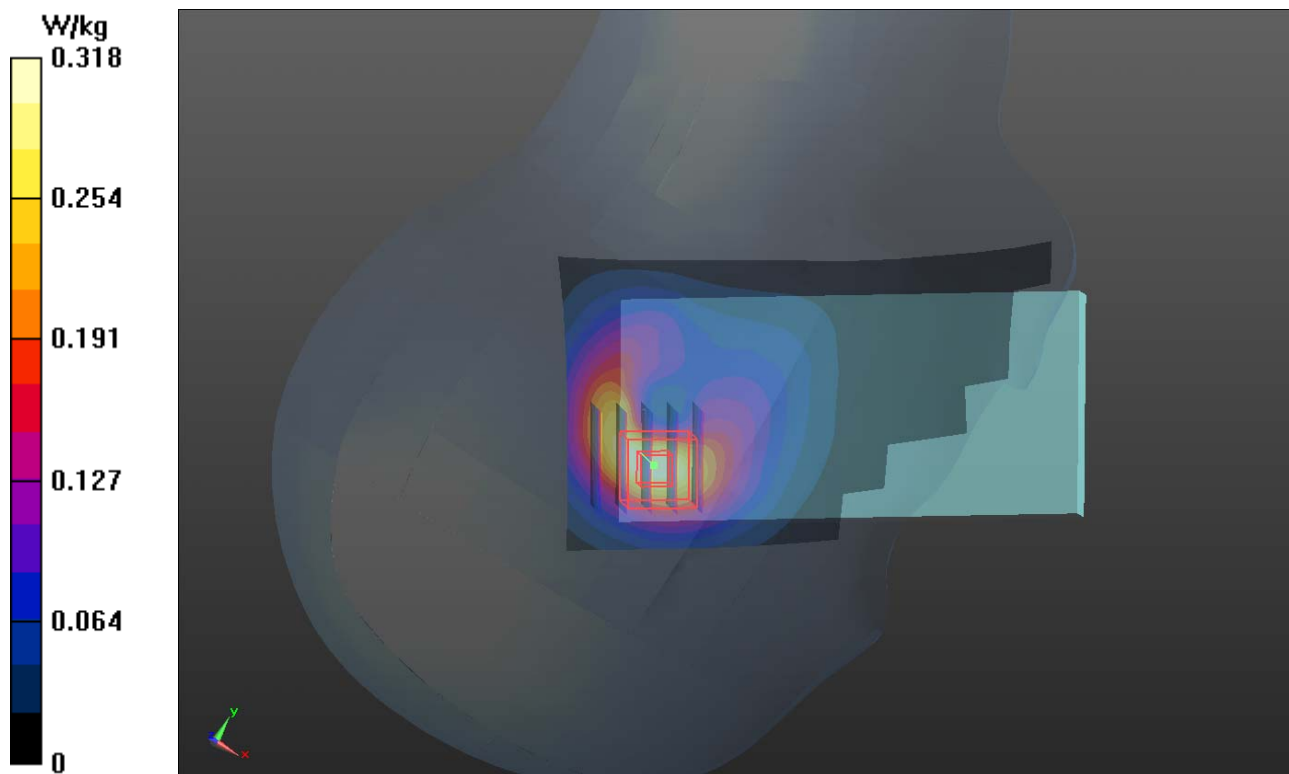
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.429 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.412 W/kg

**SAR(1 g) = 0.222 W/kg; SAR(10 g) = 0.124 W/kg**

Maximum value of SAR (measured) = 0.317 W/kg



## P05 CDMA BC0\_RC3+SO55\_Right Cheek\_Ch384\_Sample1\_Ant1

**DUT: 131023C29**

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

Medium: H835\_1231 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.89$  S/m;  $\epsilon_r = 42.79$ ;  $\rho = 1000$

kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.96, 9.96, 9.96); Calibrated: 2013/07/31;

- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)

- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26

- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652

- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 0.301 W/kg

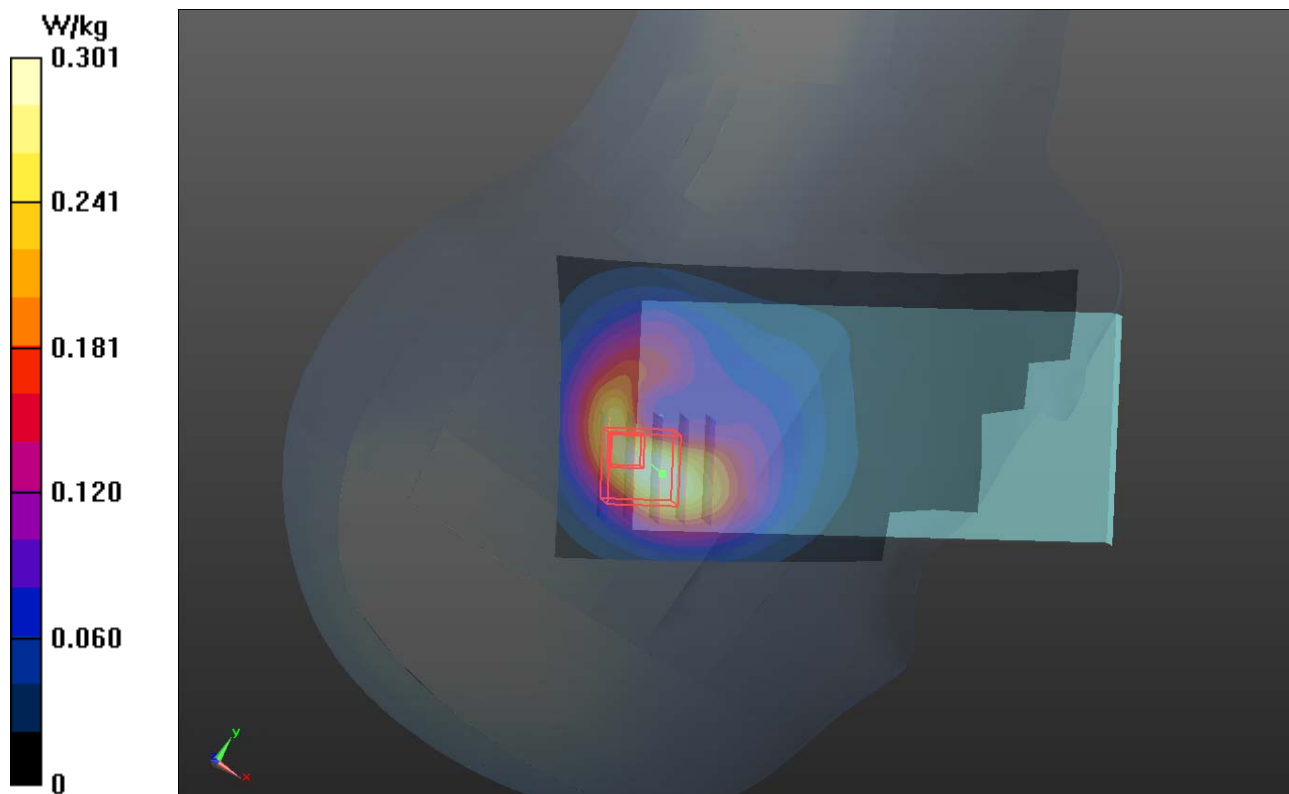
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.076 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 0.443 W/kg

**SAR(1 g) = 0.221 W/kg; SAR(10 g) = 0.120 W/kg**

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



## P06 CDMA BC1\_RC3+SO55\_Right Cheek\_Ch1175\_Sample1\_Ant1

**DUT: 131023C29**

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

Medium: H1900\_1230 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.431$  S/m;  $\epsilon_r = 41.695$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.2, 8.2, 8.2); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 2.10 W/kg

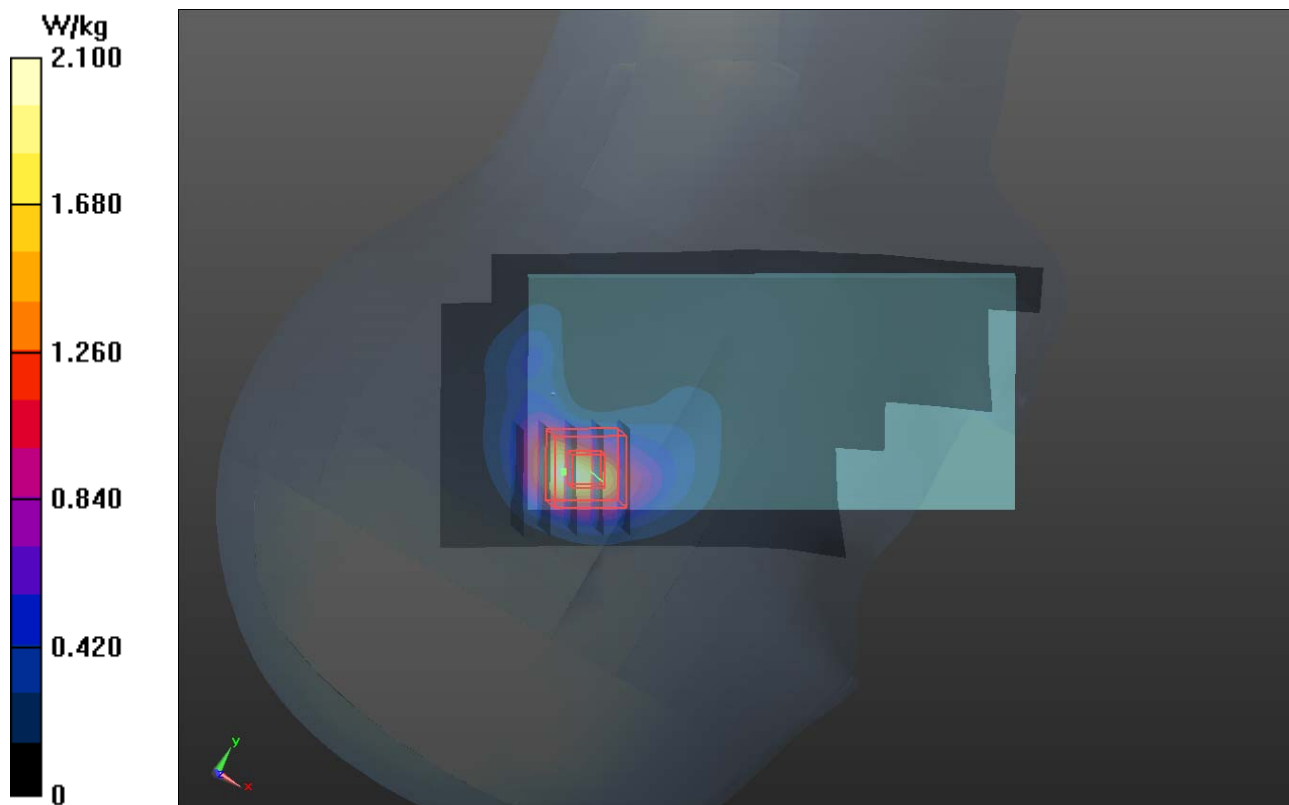
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 15.267 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.89 W/kg

**SAR(1 g) = 1.14 W/kg; SAR(10 g) = 0.612 W/kg**

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



### P07 LTE 4\_QPSK\_20M\_Right Cheek\_Ch20300\_Sample1\_Ant1\_1RB\_OS50

**DUT: 131023C29**

Communication System: LTE 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: H1750\_1216 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.343$  S/m;  $\epsilon_r = 38.882$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.49, 8.49, 8.49); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.07 W/kg

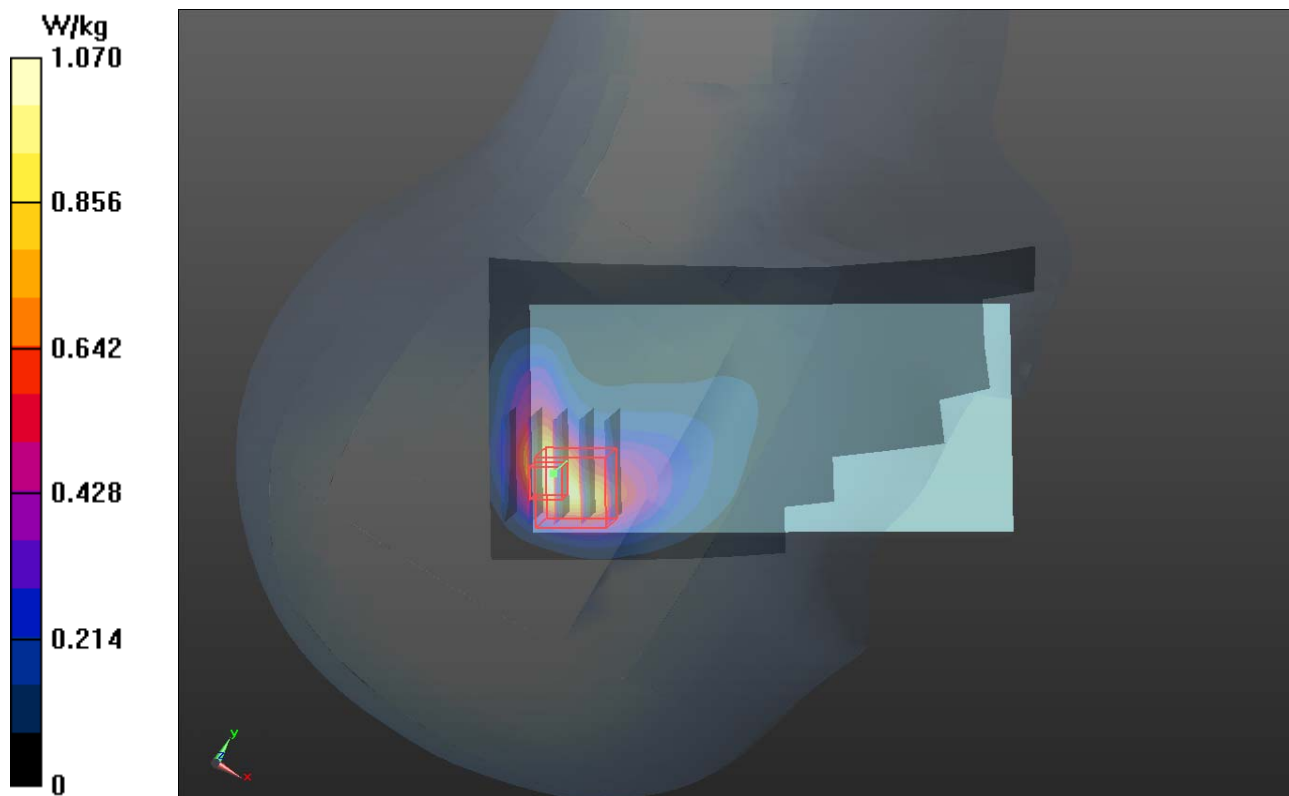
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.108 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.606 W/kg; SAR(10 g) = 0.327 W/kg**

Maximum value of SAR (measured) = 0.848 W/kg





### P08 LTE 7\_QPSK\_20M\_Left Cheek\_Ch21350\_Sample1\_Ant0\_1RB\_OS99

**DUT: 131023C29**

Communication System: LTE 7; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: H2600\_1217 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.008$  S/m;  $\epsilon_r = 37.791$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.0 °C ; Liquid Temperature : 20.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.26, 7.26, 7.26); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (81x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.514 W/kg

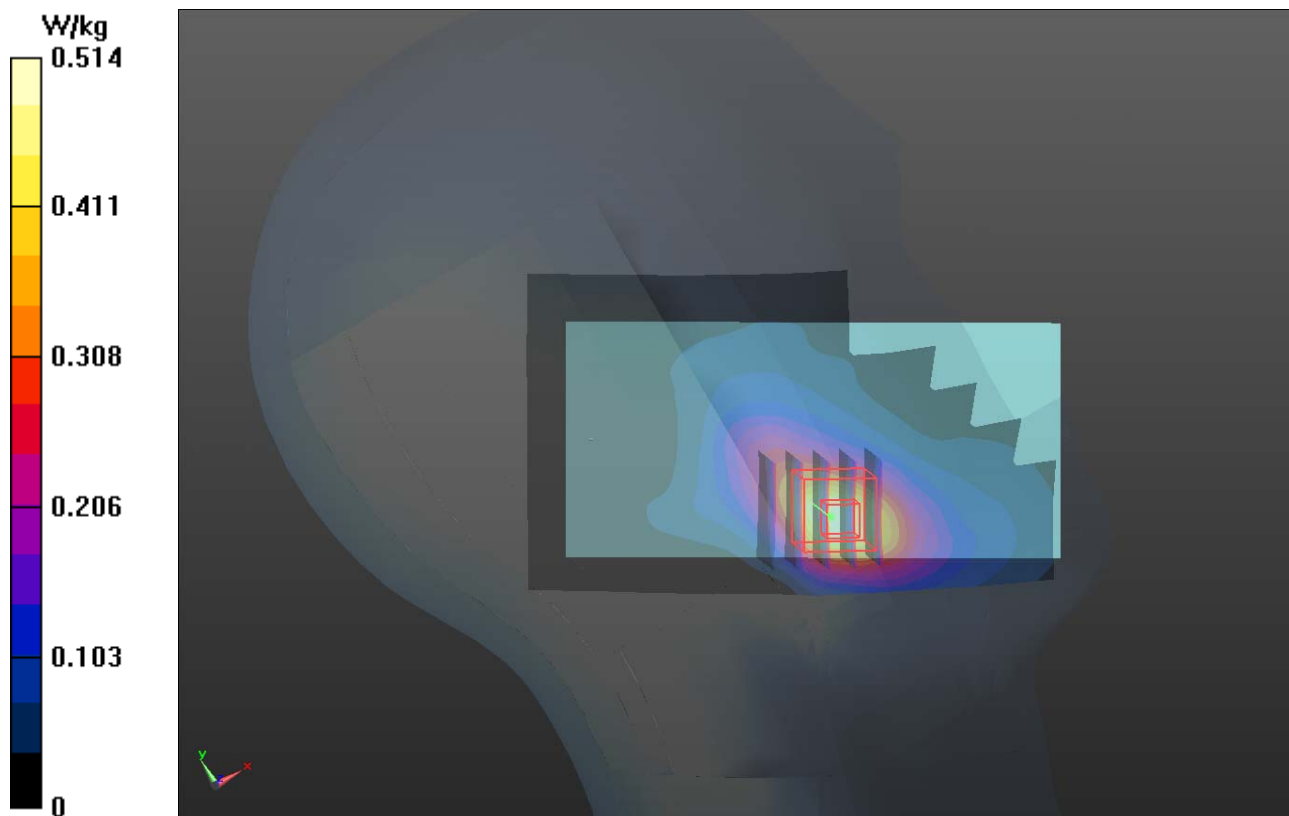
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.904 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.688 W/kg

**SAR(1 g) = 0.360 W/kg; SAR(10 g) = 0.186 W/kg**

Maximum value of SAR (measured) = 0.505 W/kg



## P09 LTE 13\_QPSK\_10M\_Right Cheek\_Ch23230\_Sample1\_Ant1\_1RB\_OS0

**DUT: 131023C29**

Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: H750\_1212 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.929 \text{ S/m}$ ;  $\epsilon_r = 40.132$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $21.6 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.69, 9.69, 9.69); Calibrated: 2013/04/30;
- 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 (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) =  $0.342 \text{ W/kg}$

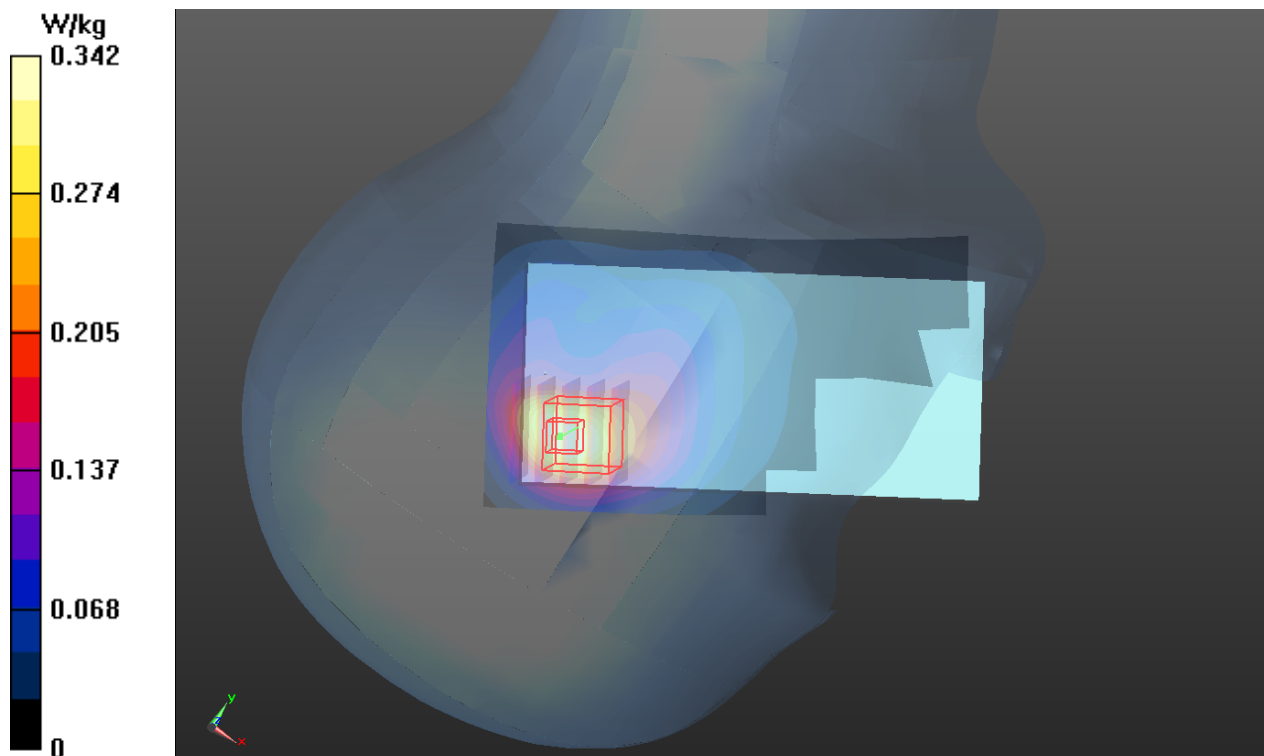
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $10.272 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$

Peak SAR (extrapolated) =  $0.438 \text{ W/kg}$

**SAR(1 g) =  $0.263 \text{ W/kg}$ ; SAR(10 g) =  $0.158 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.352 \text{ W/kg}$



## P10 802.11b\_Left Cheek\_Ch1\_Sample1

### DUT: 131023C29

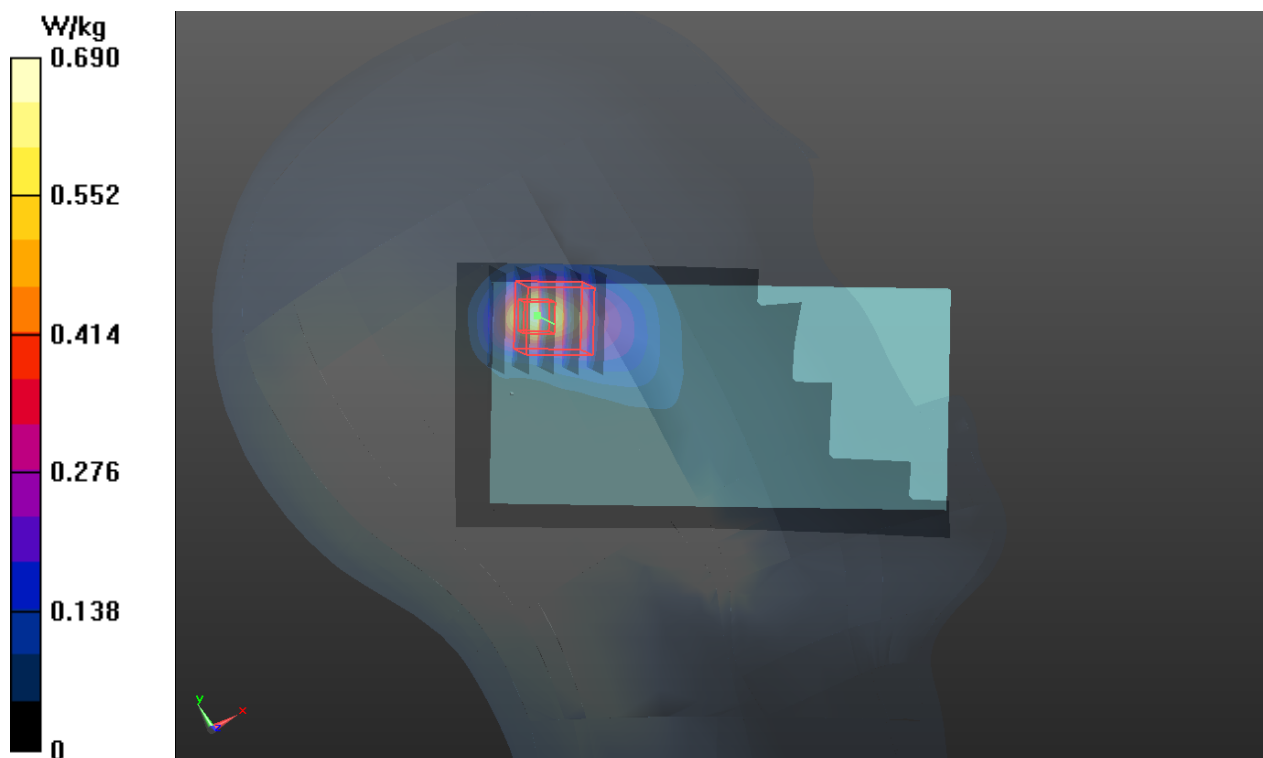
Communication System: WLAN\_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1  
 Medium: H2450\_1213 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.82$  S/m;  $\epsilon_r = 38.569$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 20.7 °C; Liquid Temperature : 20.2 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.99, 6.99, 6.99); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
 Maximum value of SAR (interpolated) = 0.690 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 4.292 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 0.917 W/kg  
**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.195 W/kg**  
 Maximum value of SAR (measured) = 0.653 W/kg



### P11 802.11n\_HT20\_Left Cheek\_Ch48\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5240 MHz; Duty Cycle: 1:1.14

Medium: H5G\_1218 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.883$  S/m;  $\epsilon_r = 35.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(5.33, 5.33, 5.33); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (81x171x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.466 W/kg

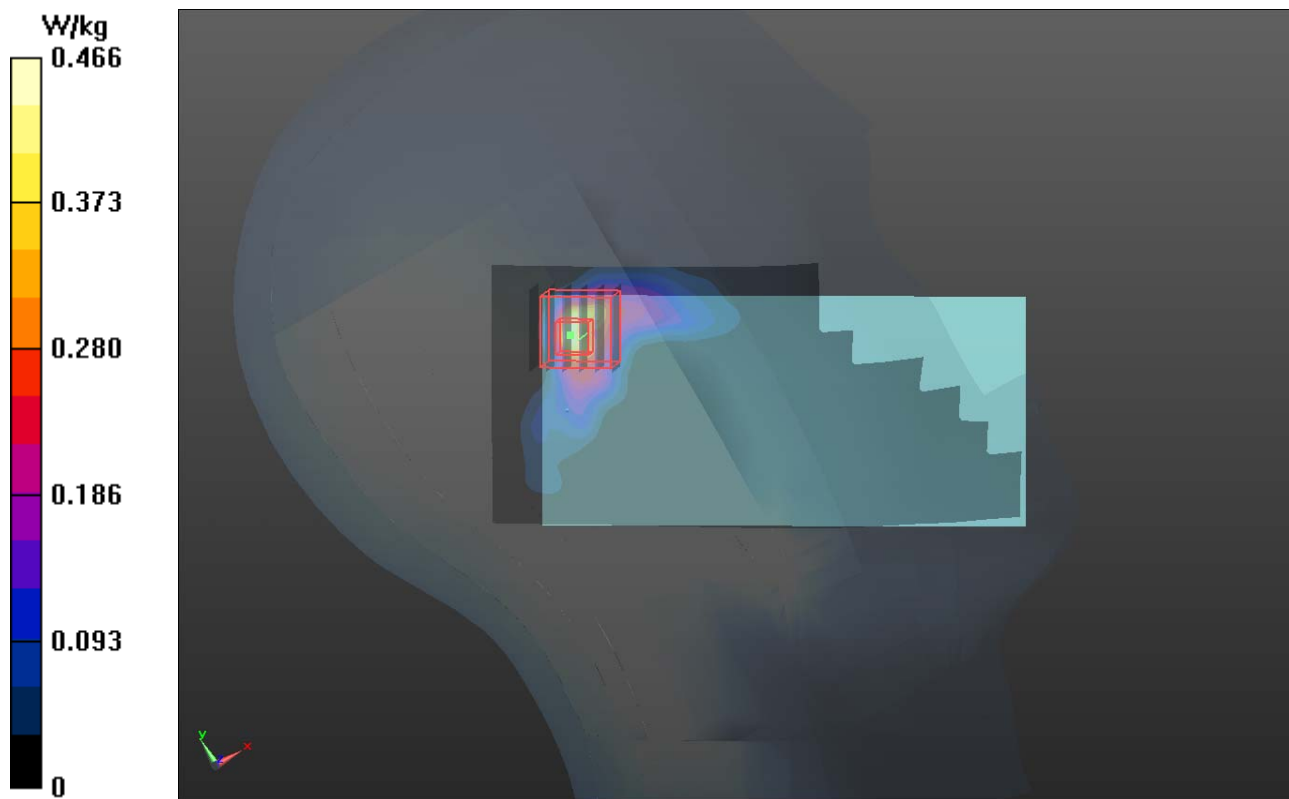
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 6.387 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.066 W/kg**

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



## P12 802.11n\_HT20\_Left Cheek\_Ch64\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5320 MHz; Duty Cycle: 1:1.14

Medium: H5G\_1218 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.967$  S/m;  $\epsilon_r = 35.657$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(5.13, 5.13, 5.13); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (91x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

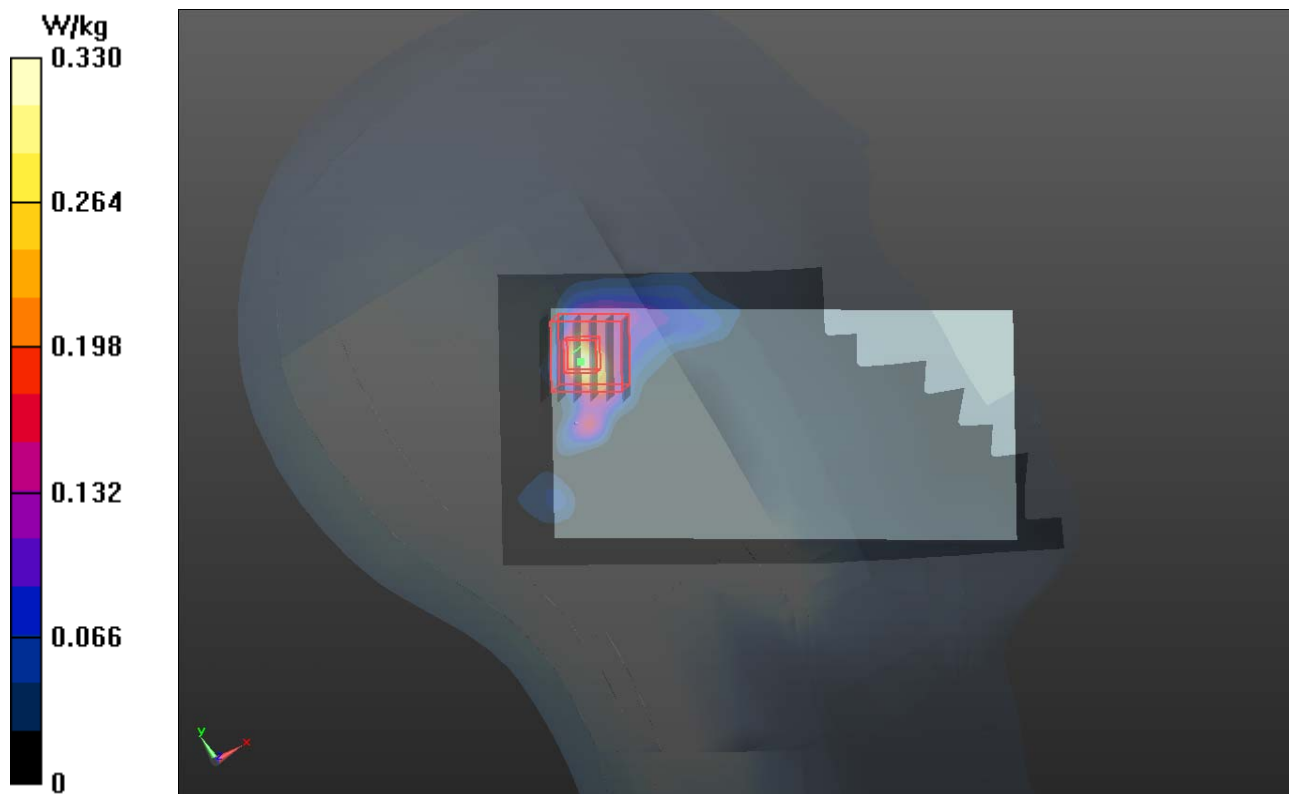
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.584 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.801 W/kg

**SAR(1 g) = 0.162 W/kg; SAR(10 g) = 0.046 W/kg**

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



## **P13 802.11n\_HT20\_Left Cheek\_Ch140\_Sample1**

### **DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5700 MHz; Duty Cycle: 1:1.14

Medium: H5G\_1218 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.391$  S/m;  $\epsilon_r = 34.996$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

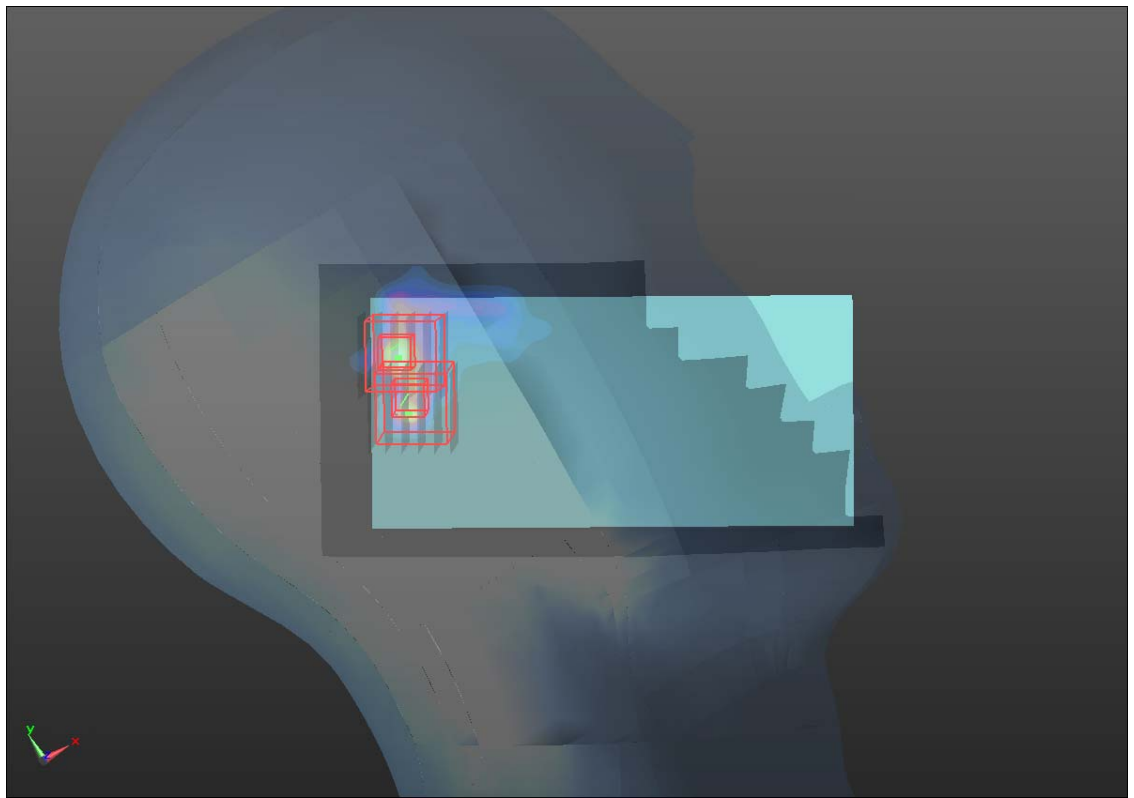
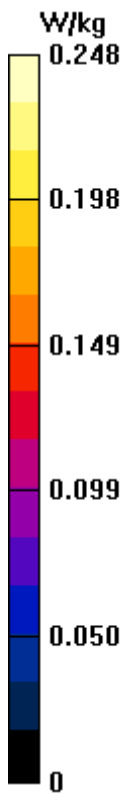
#### **DASY5 Configuration:**

- Probe: EX3DV4 - SN3864; ConvF(4.67, 4.67, 4.67); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (91x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.248 W/kg

**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 5.942 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 0.475 W/kg  
**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.028 W/kg**  
Maximum value of SAR (measured) = 0.215 W/kg

**- Zoom Scan (6x6x12)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 5.942 V/m; Power Drift = 0.17 dB  
Peak SAR (extrapolated) = 0.325 W/kg  
**SAR(1 g) = 0.073 W/kg; SAR(10 g) = 0.019 W/kg**  
Maximum value of SAR (measured) = 0.176 W/kg



### P14 802.11n\_HT20\_Left Cheek\_Ch157\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1.14

Medium: H5G\_1218 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.486$  S/m;  $\epsilon_r = 34.844$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 20.5 °C

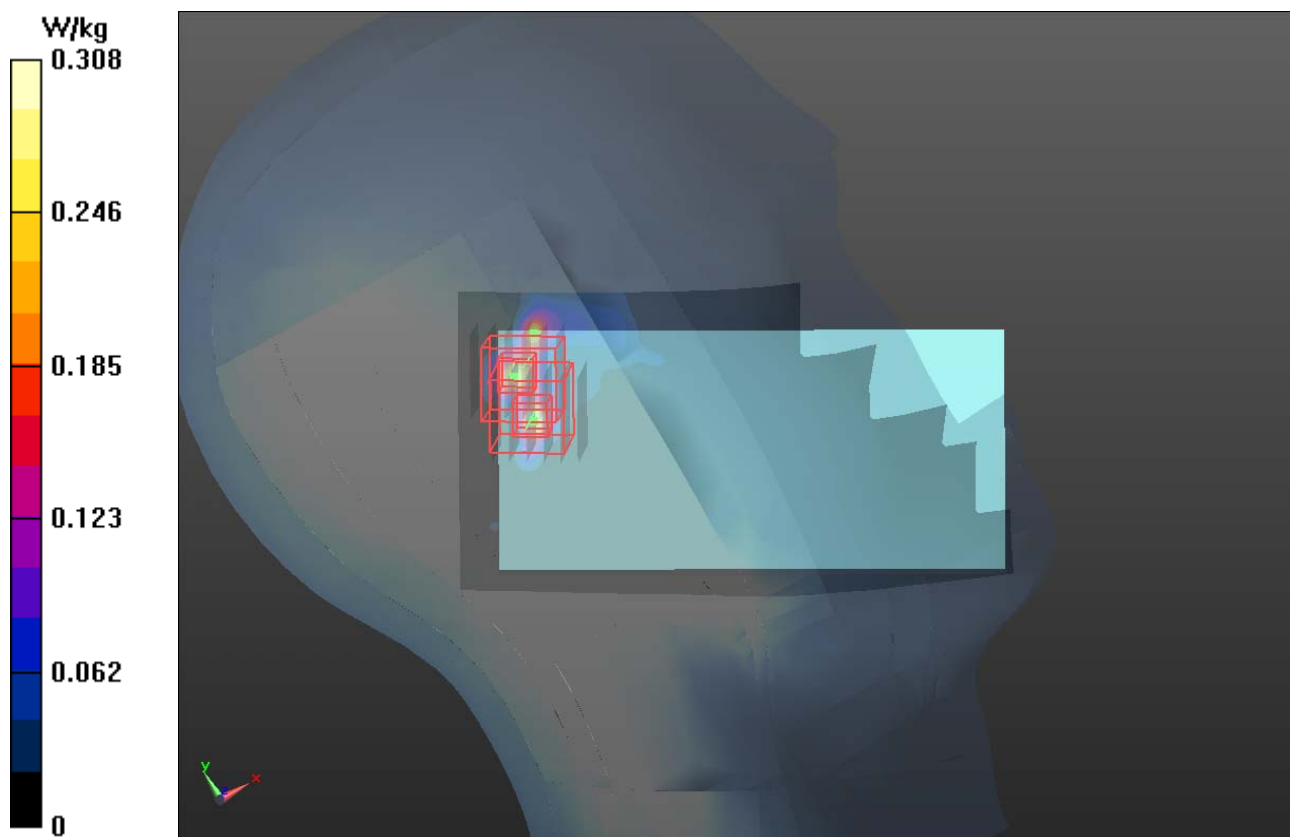
DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.67, 4.67, 4.67); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.308 W/kg

**- Zoom Scan (6x6x12)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 5.996 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.540 W/kg  
**SAR(1 g) = 0.091 W/kg; SAR(10 g) = 0.029 W/kg**  
Maximum value of SAR (measured) = 0.207 W/kg

**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 5.996 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.433 W/kg  
**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.026 W/kg**  
Maximum value of SAR (measured) = 0.222 W/kg





## **P15 GSM850\_GPRS12\_Rear Face\_1cm\_Ch189\_Sample1\_Ant0**

**DUT: 131023C29**

Communication System: GPRS12; Frequency: 836.4 MHz; Duty Cycle: 1:2

Medium: B835\_1217 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.977$  S/m;  $\epsilon_r = 54.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

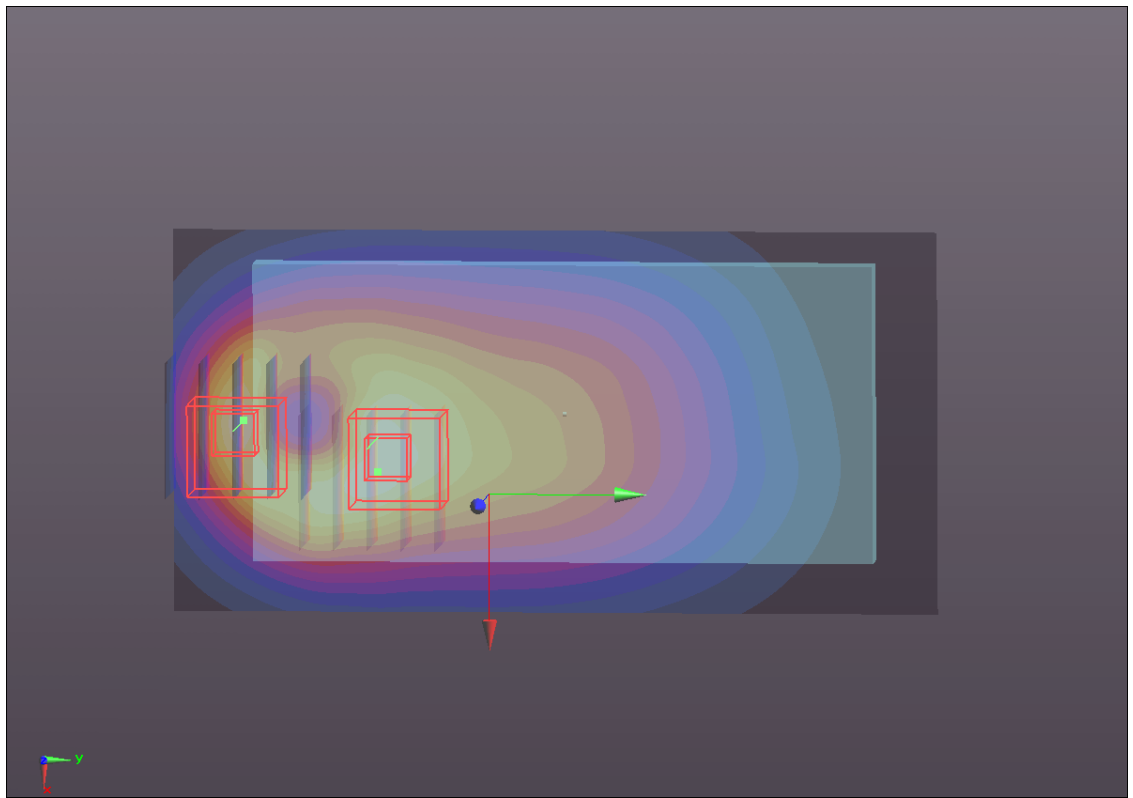
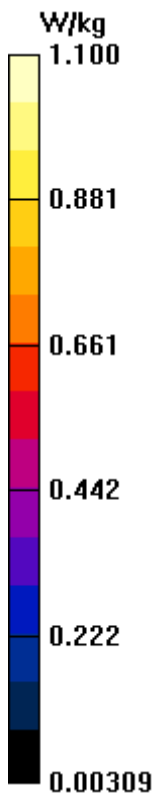
DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.14, 10.14, 10.14); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.10 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 28.435 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 1.04 W/kg  
**SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.562 W/kg**  
Maximum value of SAR (measured) = 0.918 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 28.435 V/m; Power Drift = -0.05 dB  
Peak SAR (extrapolated) = 1.17 W/kg  
**SAR(1 g) = 0.698 W/kg; SAR(10 g) = 0.408 W/kg**  
Maximum value of SAR (measured) = 0.960 W/kg



## **P16 GSM1900\_GPRS12\_Front Face\_1cm\_Ch810\_Sample1\_Ant0**

### **DUT: 131023C29**

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

Medium: B1900\_1217 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.583$  S/m;  $\epsilon_r = 52.367$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

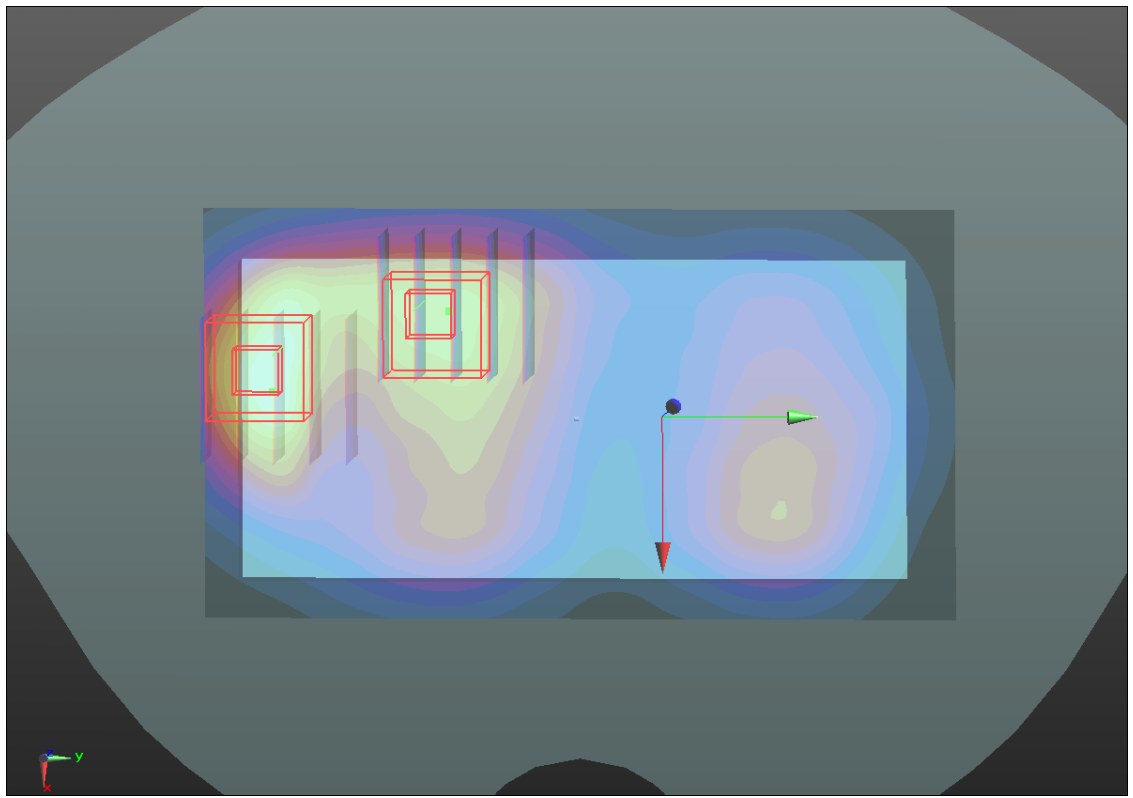
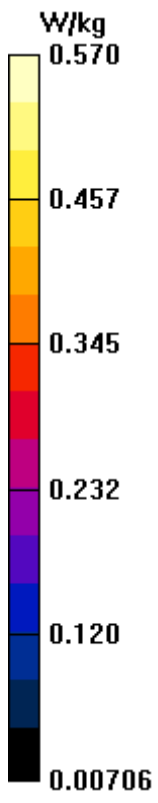
#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.570 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.919 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.763 W/kg  
**SAR(1 g) = 0.445 W/kg; SAR(10 g) = 0.242 W/kg**  
Maximum value of SAR (measured) = 0.571 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.919 V/m; Power Drift = -0.06 dB  
Peak SAR (extrapolated) = 0.575 W/kg  
**SAR(1 g) = 0.379 W/kg; SAR(10 g) = 0.245 W/kg**  
Maximum value of SAR (measured) = 0.480 W/kg



### P17 WCDMA II\_RMC12.2k\_Rear Face\_1cm\_Ch9262\_Sample1\_Ant0

**DUT: 131023C29**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B1900\_1217 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.511$  S/m;  $\epsilon_r = 52.612$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

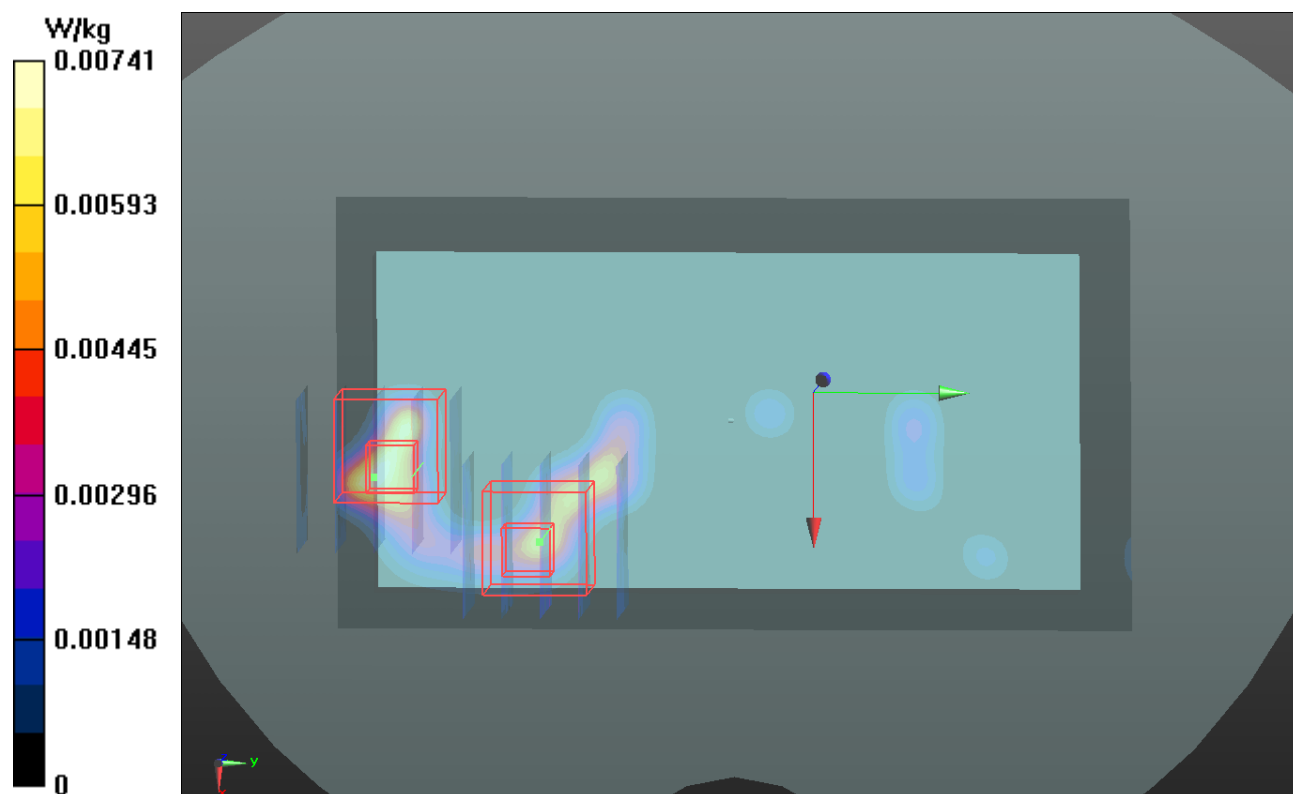
DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.00741 W/kg

**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0.673 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.00757 W/kg  
**SAR(1 g) = 0.00354 W/kg; SAR(10 g) = 0.00139 W/kg**  
Maximum value of SAR (measured) = 0.00491 W/kg

**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 0.673 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.00545 W/kg  
**SAR(1 g) = 0.00273 W/kg; SAR(10 g) = 0.00122 W/kg**  
Maximum value of SAR (measured) = 0.00385 W/kg



### P18 WCDMA V\_RMC12.2k\_Rear Face\_1cm\_Ch4132\_Sample1\_Ant0

**DUT: 131023C29**

Communication System: WCDMA; Frequency: 826.4 MHz; Duty Cycle: 1:1

Medium: B835\_1217 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.966$  S/m;  $\epsilon_r = 54.729$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

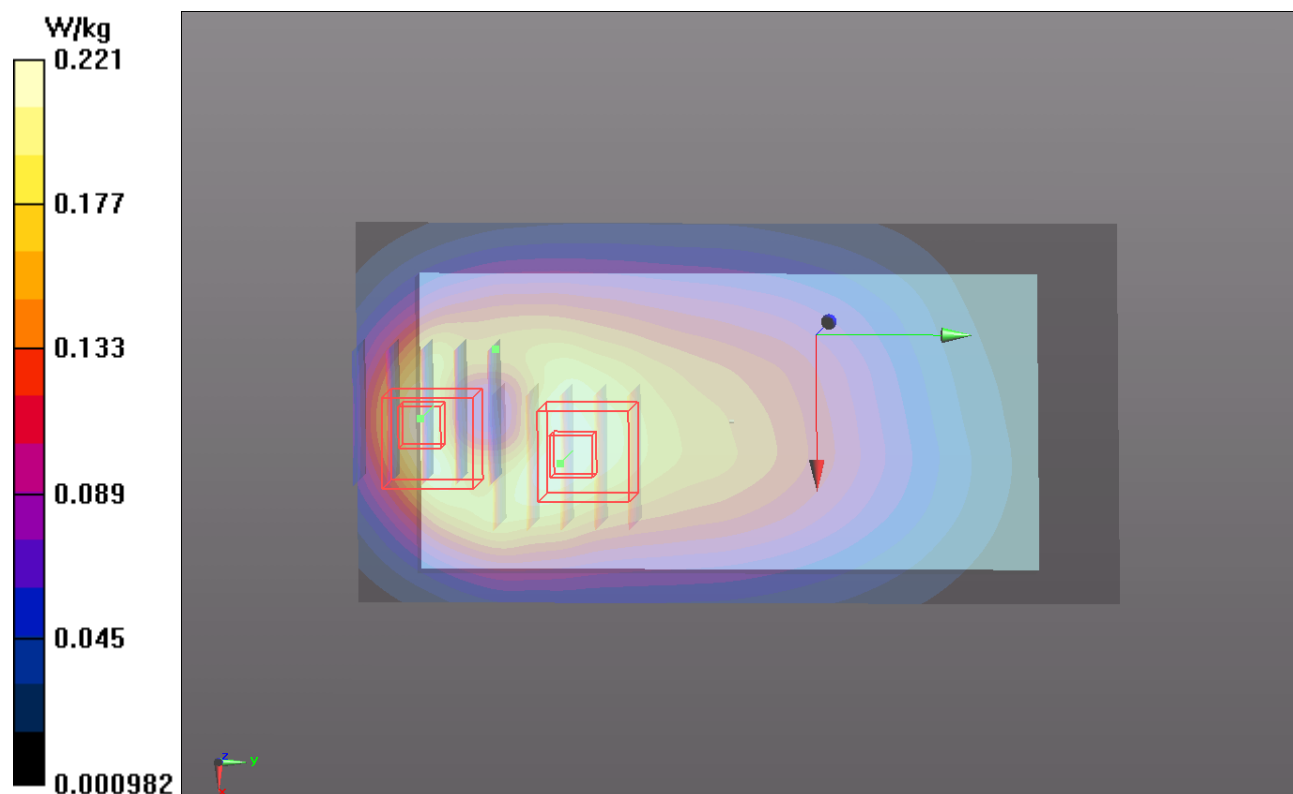
DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.14, 10.14, 10.14); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.221 W/kg

**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.447 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.237 W/kg  
**SAR(1 g) = 0.179 W/kg; SAR(10 g) = 0.129 W/kg**  
Maximum value of SAR (measured) = 0.211 W/kg

**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.447 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.267 W/kg  
**SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.096 W/kg**  
Maximum value of SAR (measured) = 0.218 W/kg



### P19 CDMA BC0\_RTAP 153.6\_Rear Face\_1cm\_Ch384\_Sample1\_Ant0

**DUT: 131023C29**

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

Medium: B835\_1217 Medium parameters used:  $f = 837$  MHz;  $\sigma = 0.978$  S/m;  $\epsilon_r = 54.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

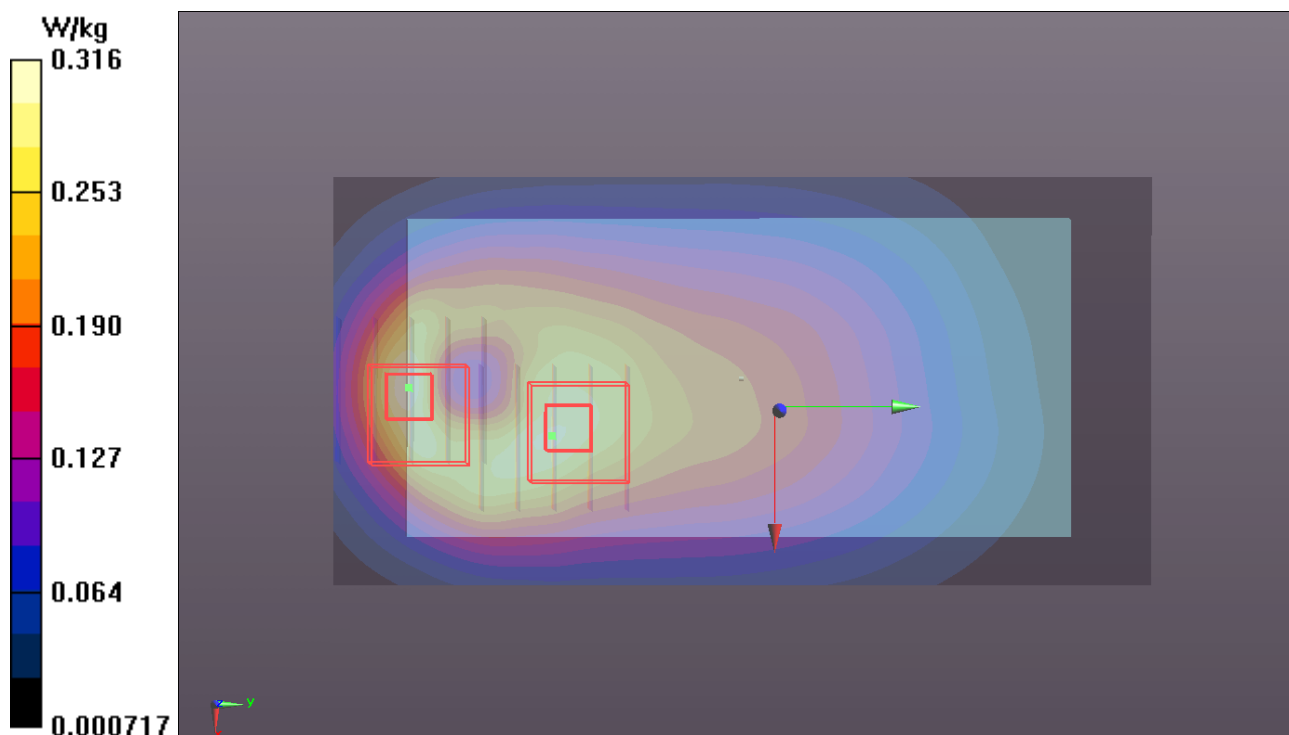
DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.14, 10.14, 10.14); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.316 W/kg

**- Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.326 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.338 W/kg  
**SAR(1 g) = 0.251 W/kg; SAR(10 g) = 0.179 W/kg**  
Maximum value of SAR (measured) = 0.299 W/kg

**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.326 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.400 W/kg  
**SAR(1 g) = 0.235 W/kg; SAR(10 g) = 0.139 W/kg**  
Maximum value of SAR (measured) = 0.320 W/kg



## P20 CDMA BC1\_RTAP 153.6\_Rear Face\_1cm\_Ch1175\_Sample1\_Ant1

**DUT: 131023C29**

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

Medium: B1900\_1227 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.571$  S/m;  $\epsilon_r = 53.432$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

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

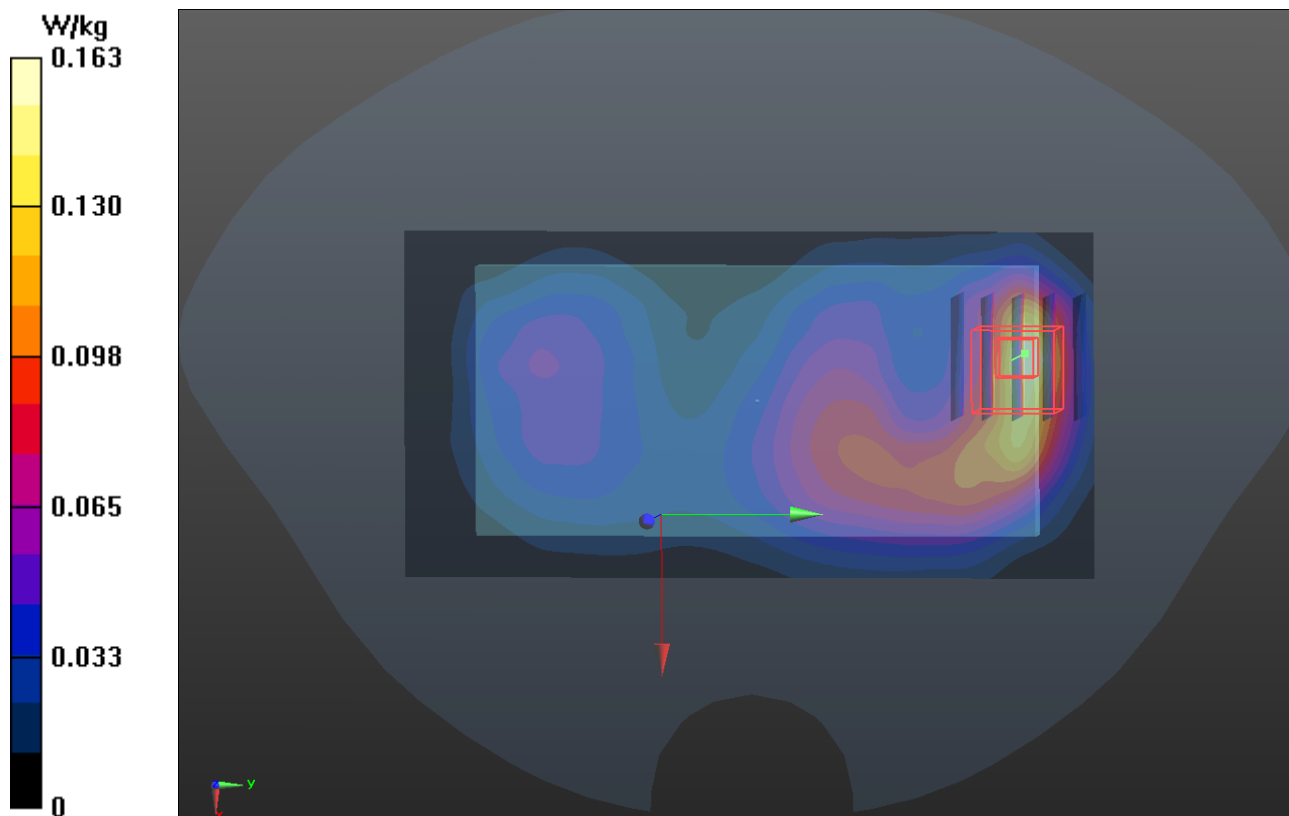
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.037 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.225 W/kg

**SAR(1 g) = 0.133 W/kg; SAR(10 g) = 0.071 W/kg**

Maximum value of SAR (measured) = 0.176 W/kg





### P21 LTE 4\_QPSK\_20M\_Rear Face\_1cm\_Ch20300\_Sample1\_Ant1\_1RB\_OS50

**DUT: 131023C29**

Communication System: LTE 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: B1750\_1217 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.145$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.1 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.1, 8.1, 8.1); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

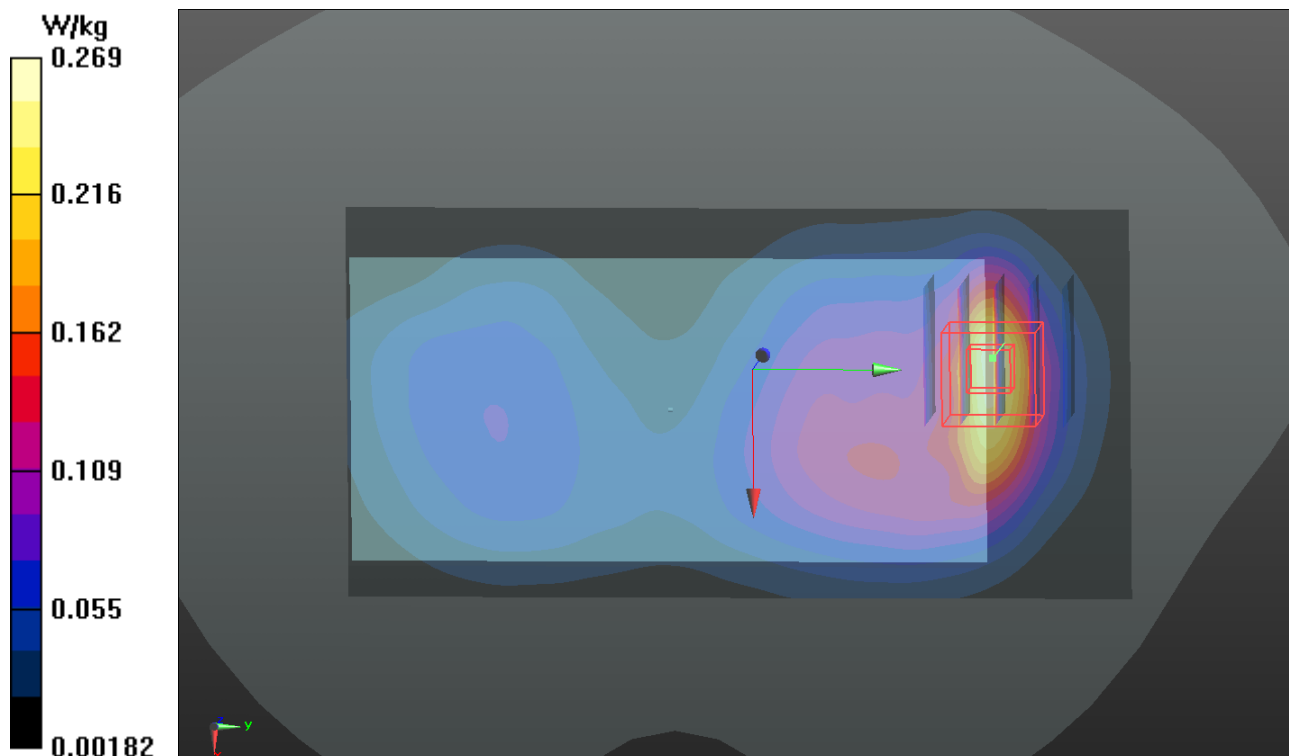
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.861 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.214 W/kg; SAR(10 g) = 0.122 W/kg**

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



## P22 LTE 7\_QPSK\_20M\_Front Face\_1cm\_Ch21350\_Sample1\_Ant0\_1RB\_OS99

**DUT: 131023C29**

Communication System: LTE 7; Frequency: 2560 MHz; Duty Cycle: 1:1

Medium: B2600\_1219 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.148$  S/m;  $\epsilon_r = 52.391$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.0 °C ; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.26, 7.26, 7.26); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.378 W/kg

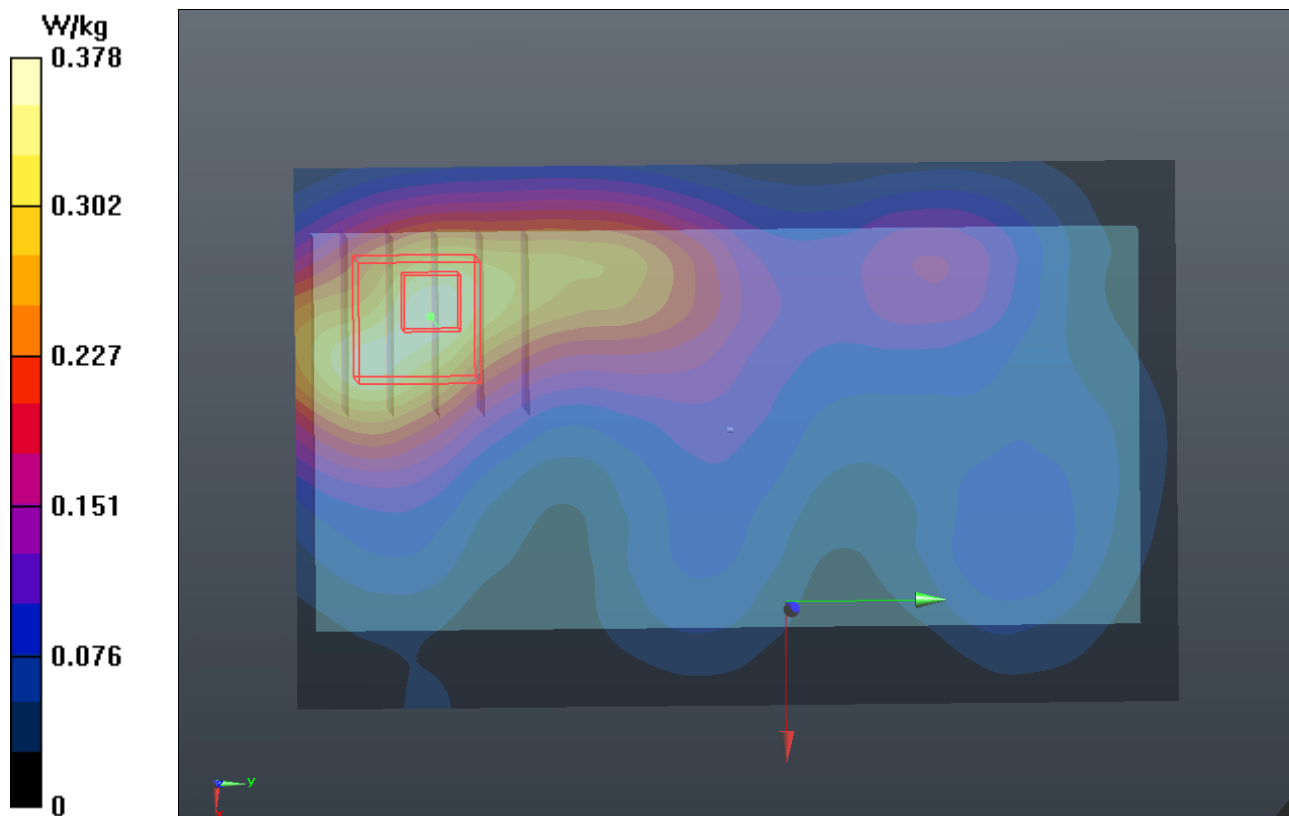
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.061 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.465 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.141 W/kg**

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



## **P23 LTE 13\_QPSK\_10M\_Rear Face\_1cm\_Ch23230\_Sample1\_Ant1\_1RB\_OS0**

### **DUT: 131023C29**

Communication System: LTE 13; Frequency: 782 MHz; Duty Cycle: 1:1

Medium: B750\_1219 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.992$  S/m;  $\epsilon_r = 54.936$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.1 °C; Liquid Temperature : 20.1 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.15, 10.15, 10.15); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 11.596 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.112 W/kg; SAR(10 g) = 0.088 W/kg**

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

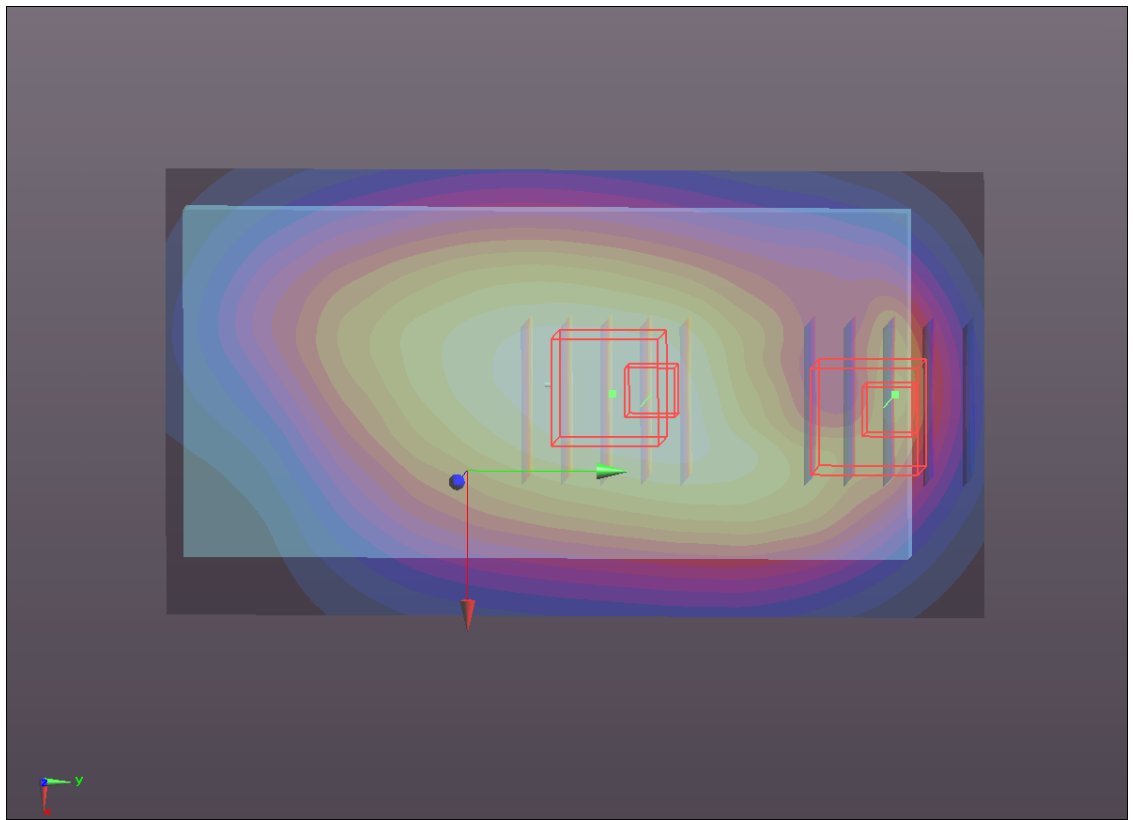
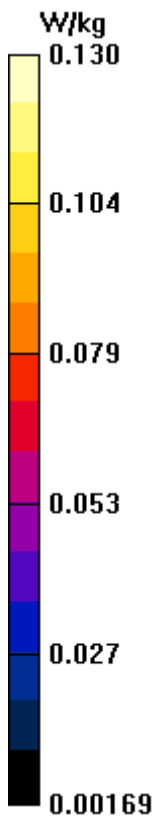
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.596 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.047 W/kg**

Maximum value of SAR (measured) = 0.0985 W/kg



## P24 802.11b\_Front Face\_1cm\_Ch1\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_2.4G; Frequency: 2412 MHz; Duty Cycle: 1:1

Medium: B2450\_1231 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.922$  S/m;  $\epsilon_r = 50.788$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C ; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.4, 7.4, 7.4); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (81x161x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0534 W/kg

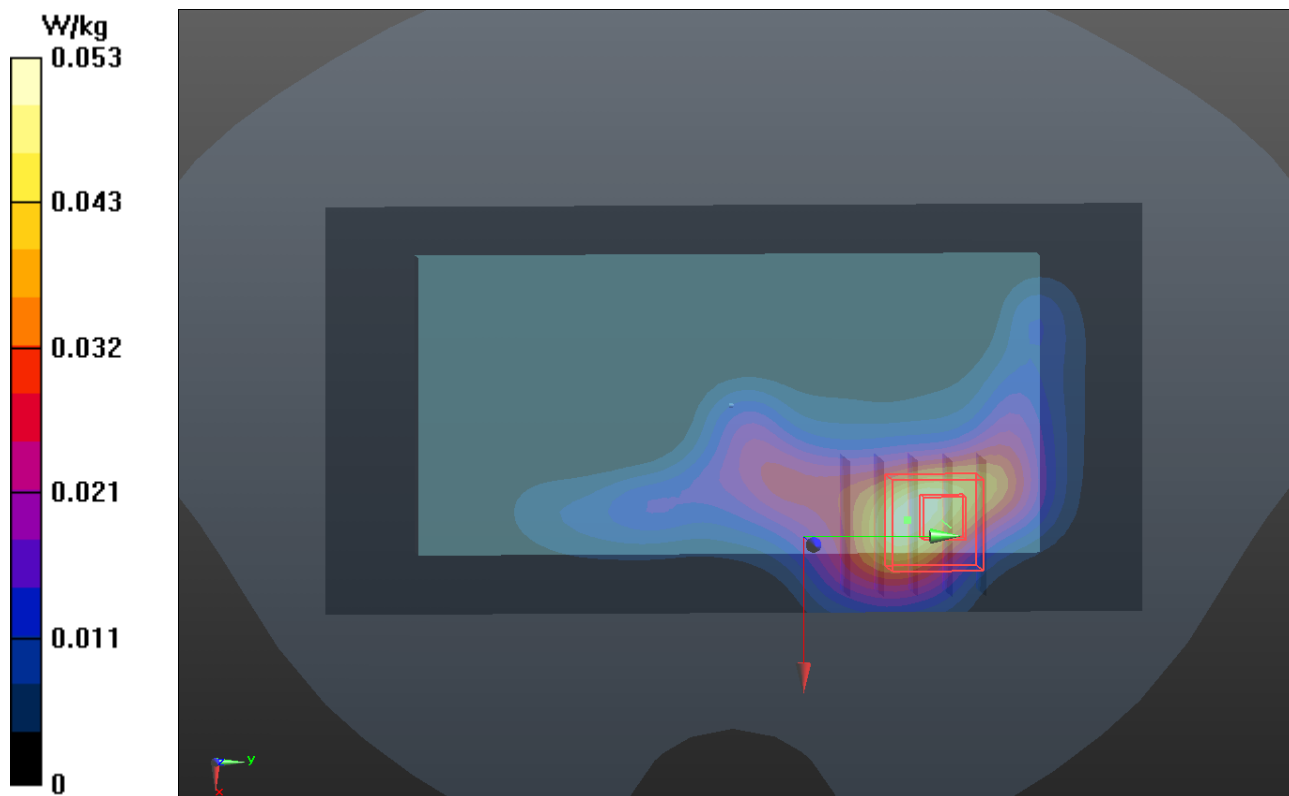
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.137 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.0740 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.020 W/kg**

Maximum value of SAR (measured) = 0.0441 W/kg



## P25 802.11n\_HT20\_Rear Face\_1cm\_Ch48\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5240 MHz; Duty Cycle: 1:1.14

Medium: B5G\_1227 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.36$  S/m;  $\epsilon_r = 49.117$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.24, 4.24, 4.24); 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 1127
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

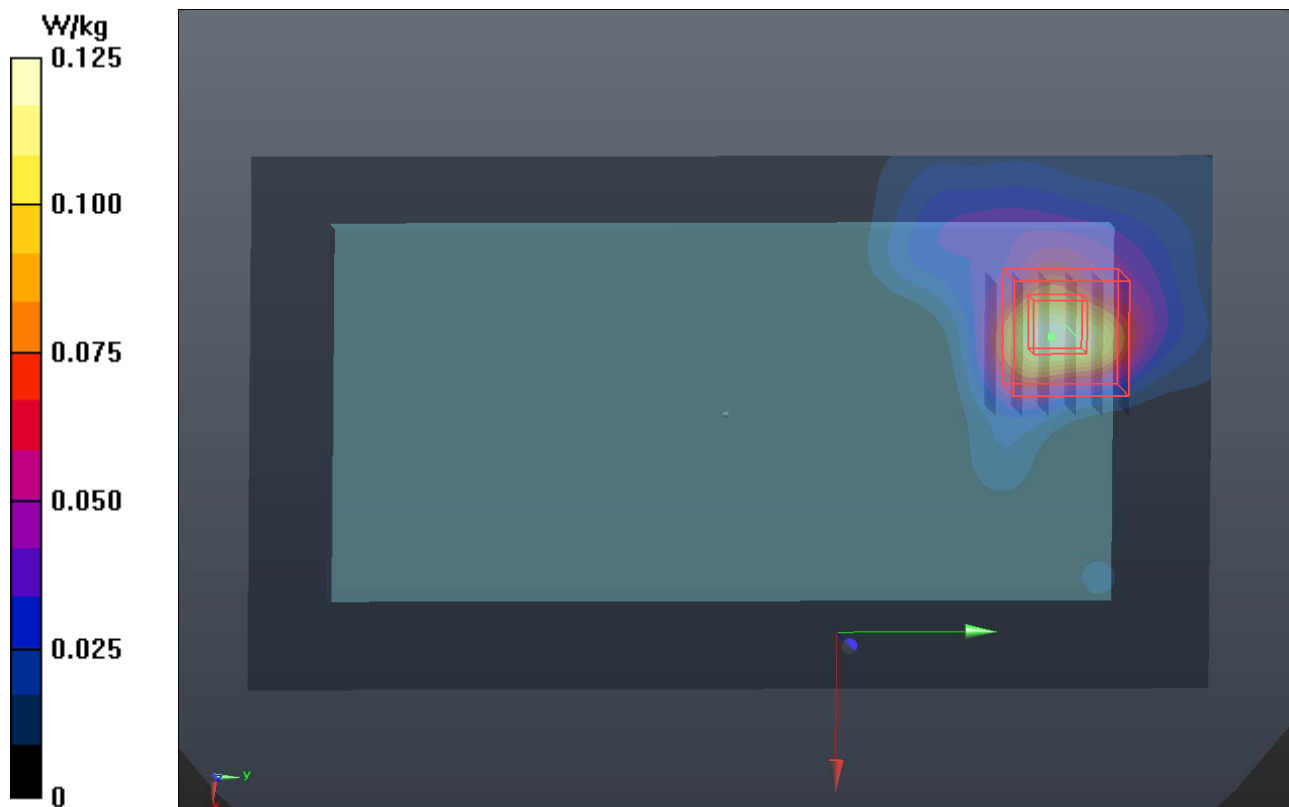
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.249 W/kg

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

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



## P26 802.11n\_HT20\_Rear Face\_1cm\_Ch64\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5320 MHz; Duty Cycle: 1:1.14

Medium: B5G\_1227 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.442$  S/m;  $\epsilon_r = 48.919$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(4.05, 4.05, 4.05); 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 1127
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.0872 W/kg

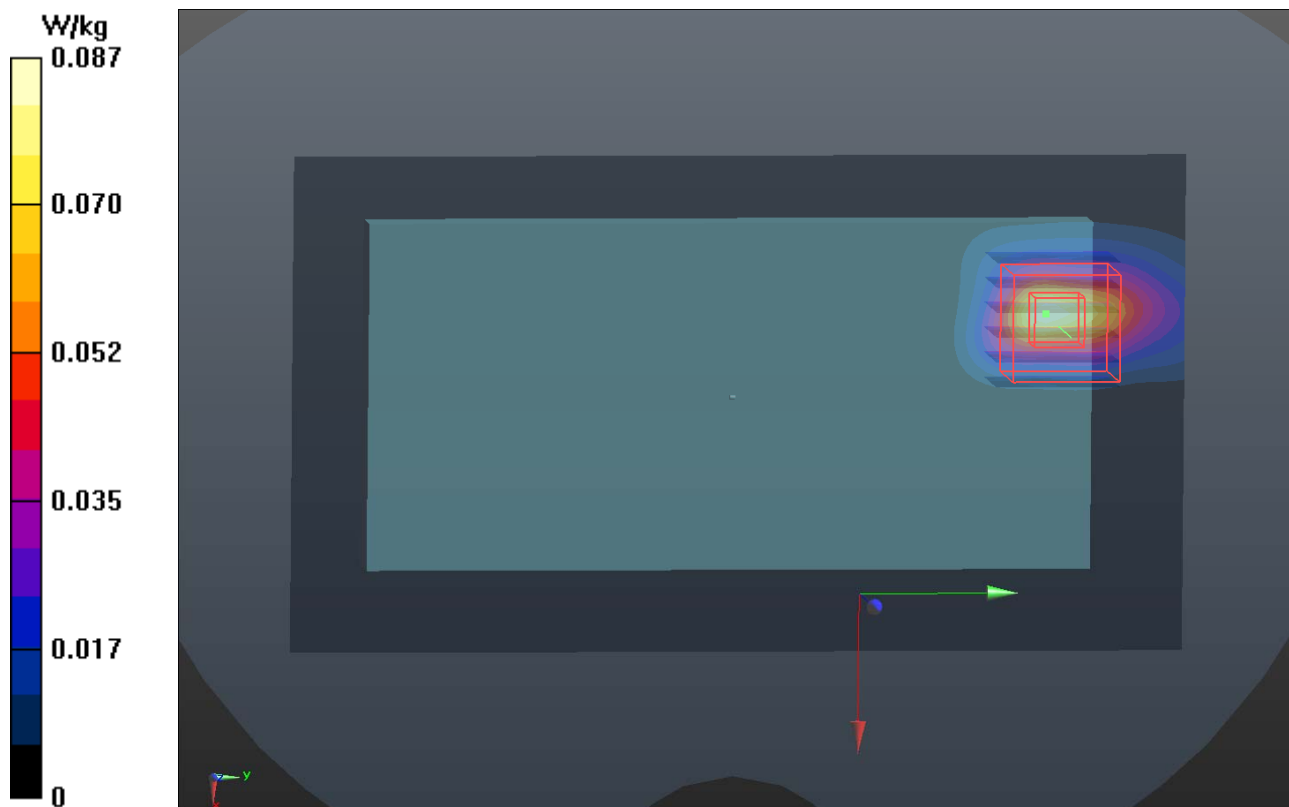
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.105 W/kg

**SAR(1 g) = 0.029 W/kg; SAR(10 g) = 0.010 W/kg**

Maximum value of SAR (measured) = 0.0548 W/kg



### P27 802.11a\_Rear Face\_1cm\_Ch100\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5500 MHz; Duty Cycle: 1:1.14

Medium: B5G\_1227 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.727$  S/m;  $\epsilon_r = 48.708$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(3.83, 3.83, 3.83); 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 1127
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.133 W/kg

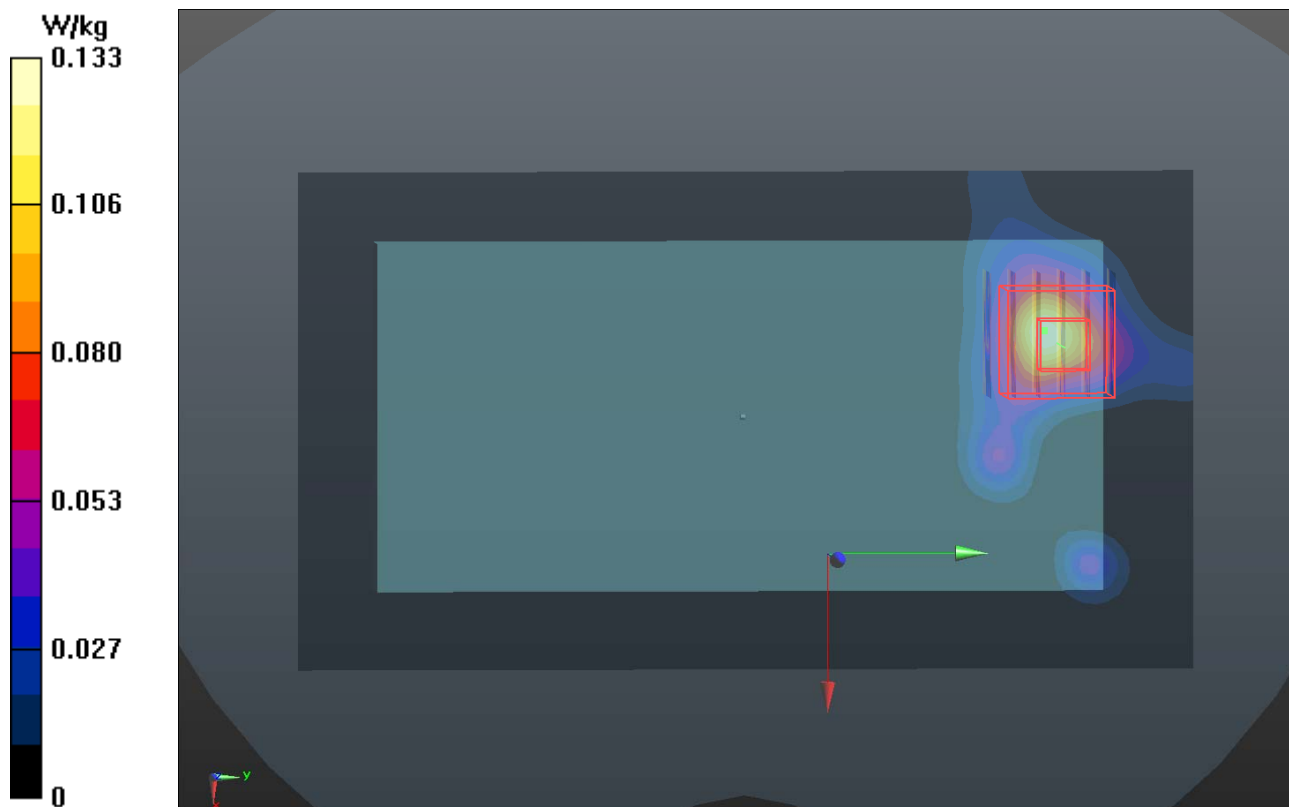
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.187 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.016 W/kg**

Maximum value of SAR (measured) = 0.0912 W/kg





### P28 802.11n\_HT20\_Front Face\_1cm\_Ch157\_Sample1

**DUT: 131023C29**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1.14

Medium: B5G\_1227 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.088$  S/m;  $\epsilon_r = 48.035$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(3.9, 3.9, 3.9); 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 1127
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.0294 W/kg

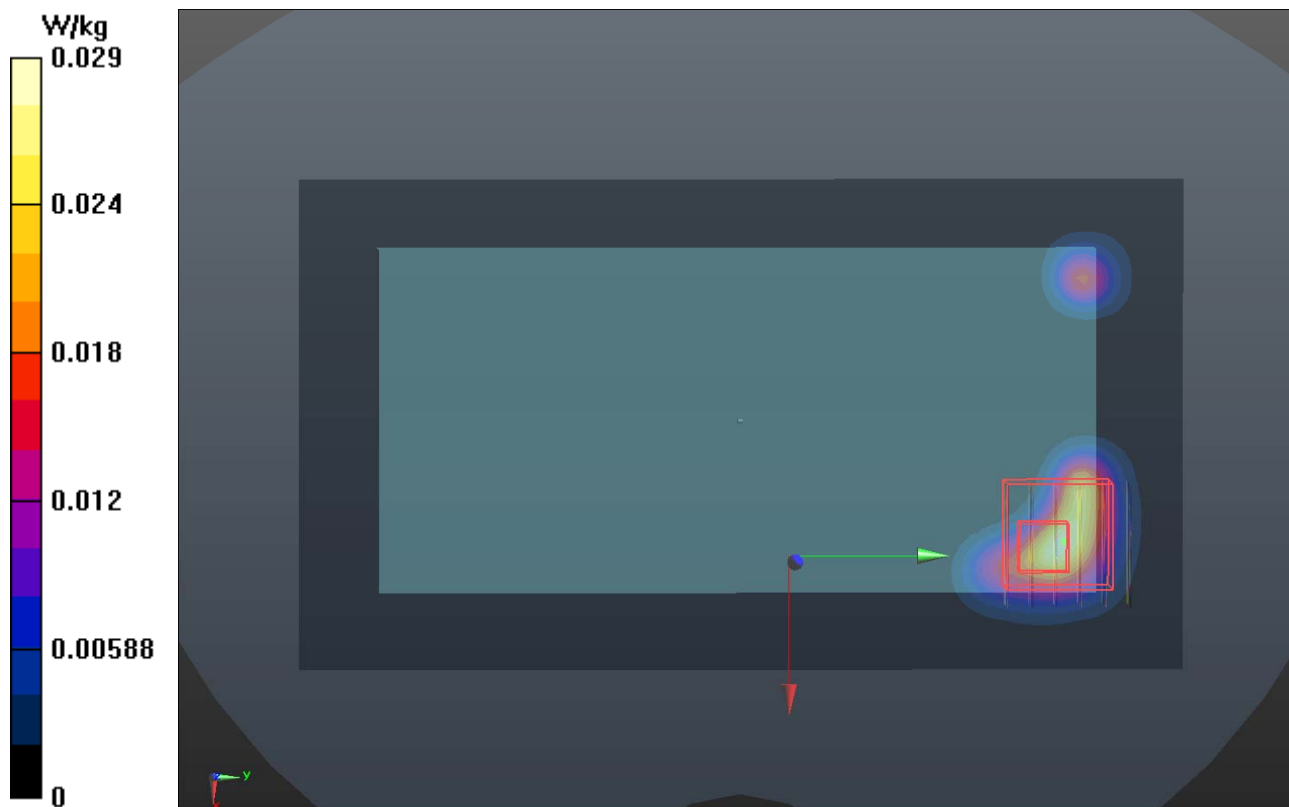
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.129 W/kg

**SAR(1 g) = 0.015 W/kg; SAR(10 g) = 0.00577 W/kg**

Maximum value of SAR (measured) = 0.0350 W/kg



## P29 GSM1900\_GPRS12\_Bottom Side\_1cm\_Ch810\_Sample1\_Ant0

### DUT: 131023C29

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

Medium: B1900\_1217 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.583$  S/m;  $\epsilon_r = 52.367$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.6 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (121x71x1):** Interpolated grid:  $dx=0.4000$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) = 0.726 W/kg

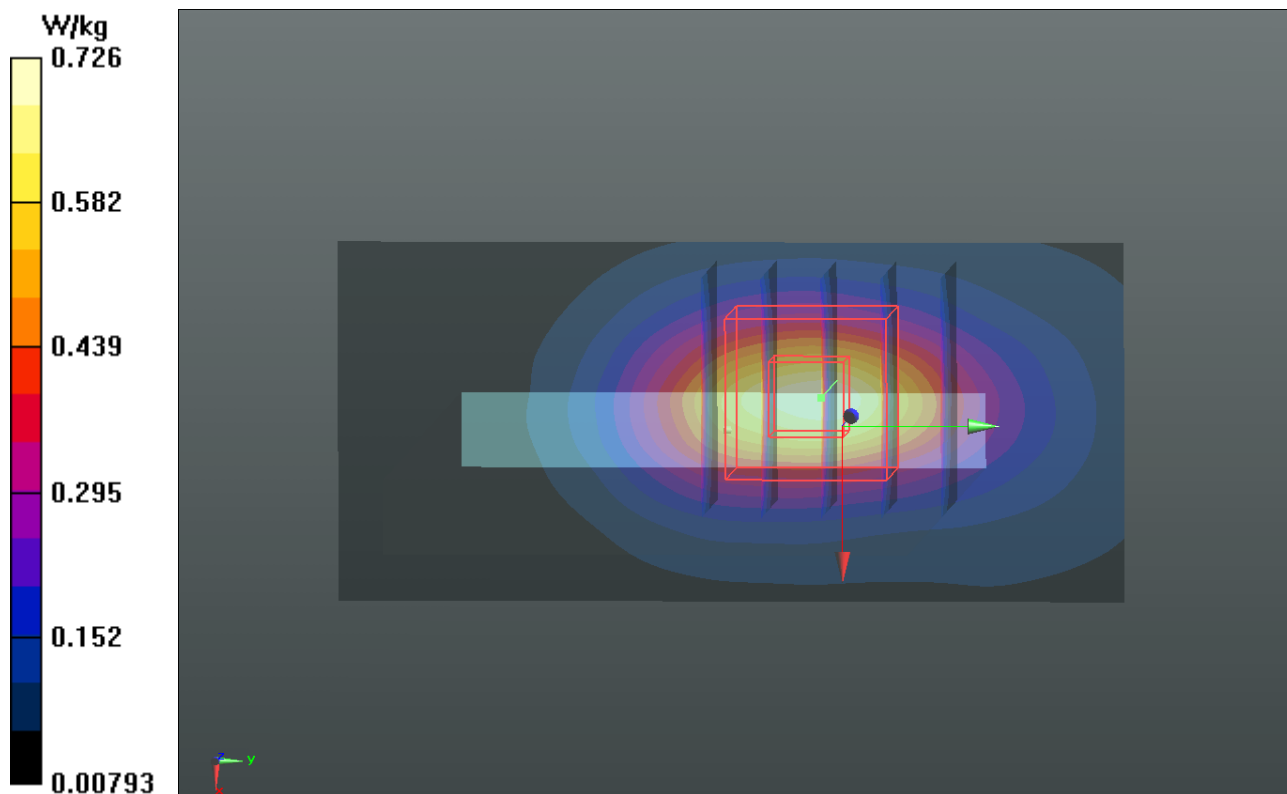
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 19.064 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.862 W/kg

**SAR(1 g) = 0.506 W/kg; SAR(10 g) = 0.270 W/kg**

Maximum value of SAR (measured) = 0.701 W/kg



### P30 WCDMA II\_RMC12.2K\_Top Side\_1cm\_Ch9262\_Sample1\_Ant1

**DUT: 131023C29**

Communication System: WCDMA; Frequency: 1852.4 MHz; Duty Cycle: 1:1

Medium: B1900\_1217 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.511$  S/m;  $\epsilon_r = 52.612$ ;  $\rho =$

$1000 \text{ kg/m}^3$

Ambient Temperature :  $21.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $20.6 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (121x71x1):** Interpolated grid:  $dx=0.4000$  mm,  $dy=1.500$  mm

Maximum value of SAR (interpolated) =  $0.326 \text{ W/kg}$

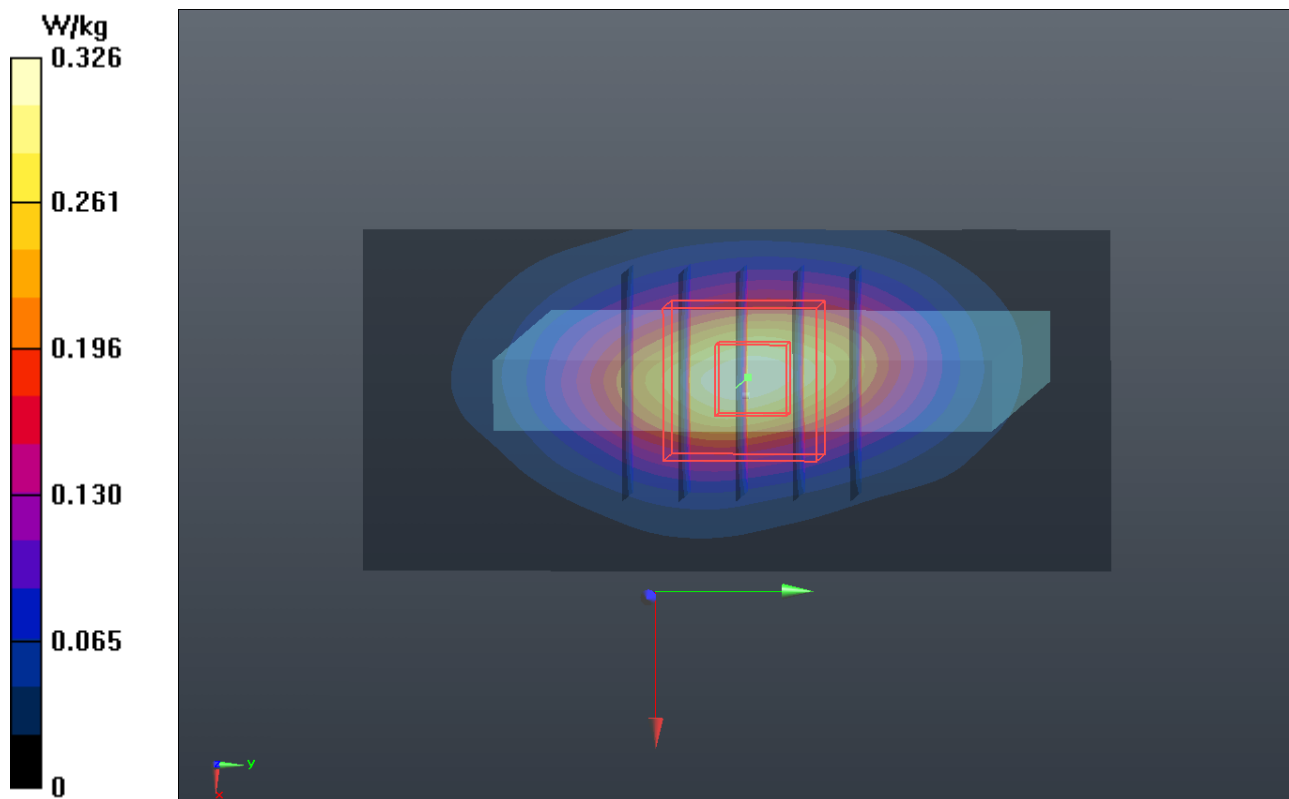
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value =  $14.423 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$

Peak SAR (extrapolated) =  $0.382 \text{ W/kg}$

**SAR(1 g) =  $0.227 \text{ W/kg}$ ; SAR(10 g) =  $0.122 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.311 \text{ W/kg}$



### P31 CDMA BC1\_RTAP 153.6\_Top Side\_1cm\_Ch1175\_Sample1\_Ant1

**DUT: 131023C29**

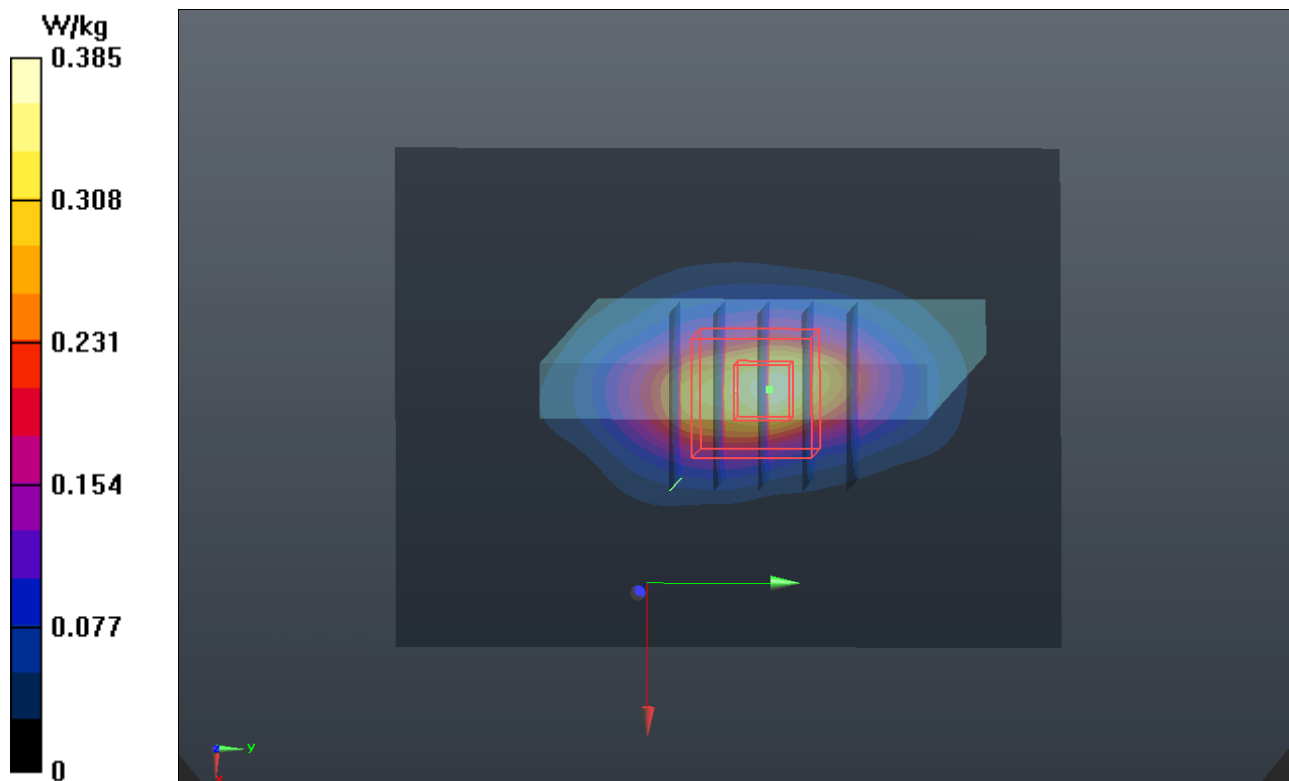
Communication System: CDMA2000; Frequency: 1908.75 MHz; Duty Cycle: 1:1  
Medium: B1900\_1227 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.571$  S/m;  $\epsilon_r = 53.432$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (61x81x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.385 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.755 V/m; Power Drift = -0.01 dB  
Peak SAR (extrapolated) = 0.428 W/kg  
**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.139 W/kg**  
Maximum value of SAR (measured) = 0.351 W/kg



### P32 LTE 4\_QPSK\_20M\_Top Side\_1cm\_Ch20300\_Sample1\_Ant1\_1RB\_OS50

**DUT: 131023C29**

Communication System: LTE 4; Frequency: 1745 MHz; Duty Cycle: 1:1

Medium: B1750\_1217 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.481$  S/m;  $\epsilon_r = 52.145$ ;  $\rho =$

$1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.1 °C ; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.1, 8.1, 8.1); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- 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 (41x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

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

Reference Value = 15.335 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.483 W/kg

**SAR(1 g) = 0.297 W/kg; SAR(10 g) = 0.165 W/kg**

Maximum value of SAR (measured) = 0.387 W/kg

