



## 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\_GPRS10\_Right Cheek\_Ch128\_Sample1\_Ant1

**DUT: 131204C32**

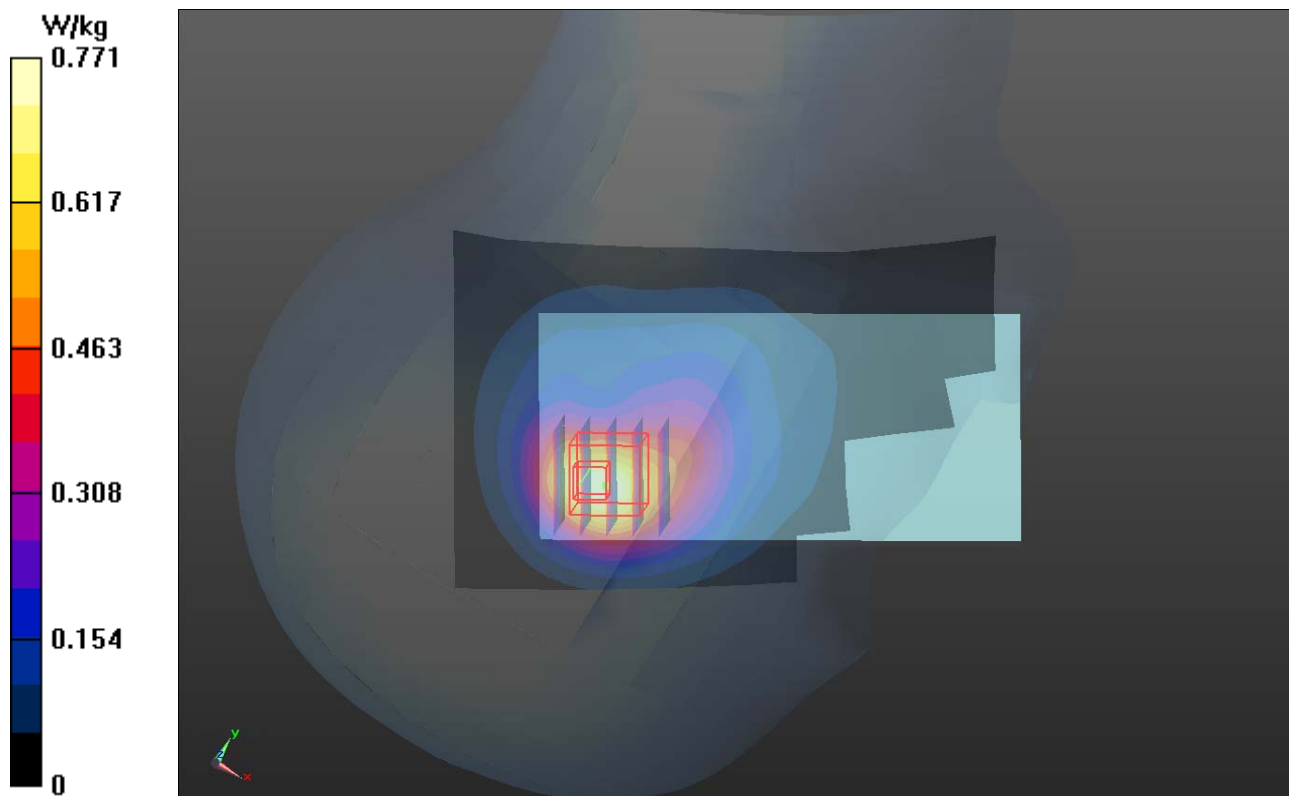
Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4  
Medium: H835\_0103 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.878$  S/m;  $\epsilon_r = 43.014$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.8 °C

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\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.771 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 17.874 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.905 W/kg  
**SAR(1 g) = 0.579 W/kg; SAR(10 g) = 0.361 W/kg**  
Maximum value of SAR (measured) = 0.748 W/kg



## P02 GSM1900\_GPRS10\_Right Cheek\_Ch661\_Sample1\_Ant1

**DUT: 131204C32**

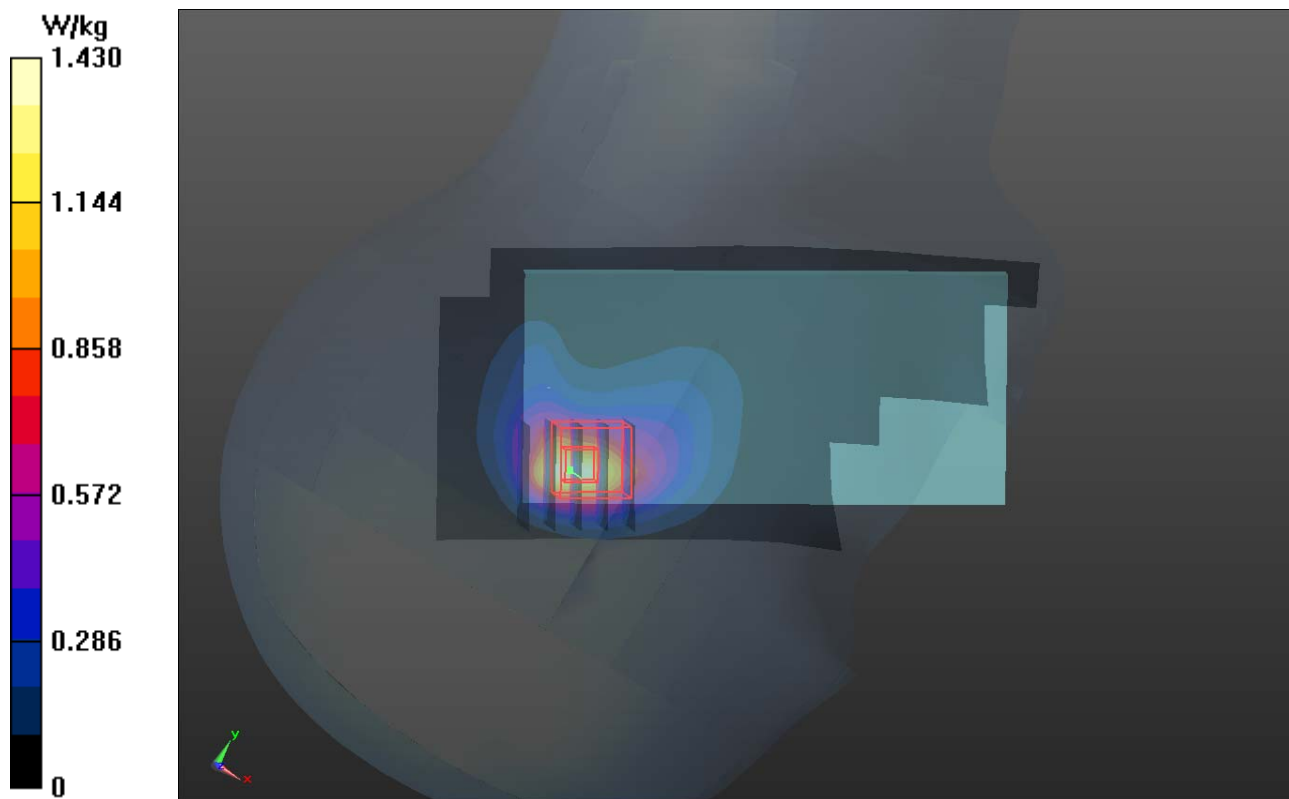
Communication System: GPRS10; Frequency: 1880 MHz; Duty Cycle: 1:4  
Medium: H1900\_0102 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 40.48$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

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) = 1.43 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 13.669 V/m; Power Drift = 0.01 dB  
Peak SAR (extrapolated) = 1.61 W/kg  
**SAR(1 g) = 0.903 W/kg; SAR(10 g) = 0.486 W/kg**  
Maximum value of SAR (measured) = 1.23 W/kg



### P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9262\_Sample1\_Ant1

**DUT: 131204C32**

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

Medium: H1900\_0102 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.37$  S/m;  $\epsilon_r = 40.633$ ;  $\rho = 1000$  kg/m<sup>3</sup>

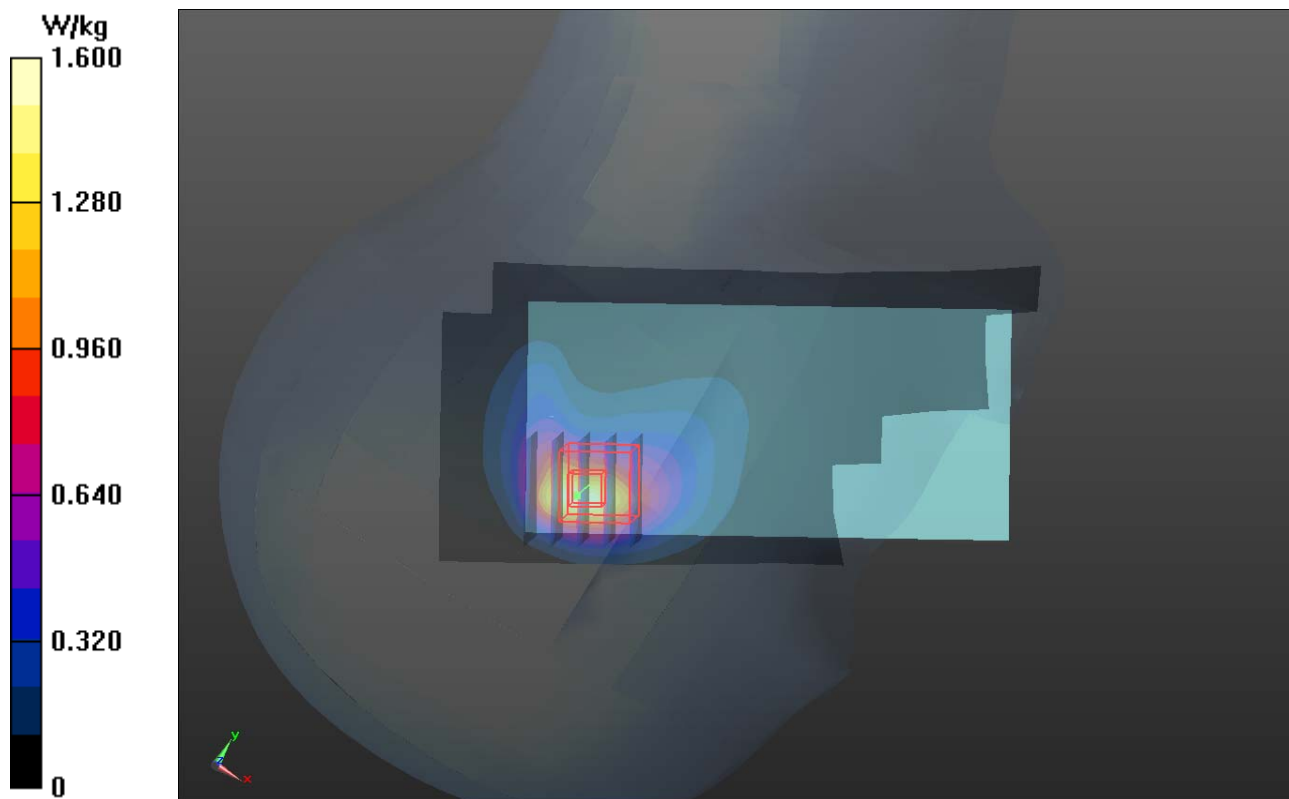
Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.7 °C

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) = 1.60 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.472 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.76 W/kg  
**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.550 W/kg**  
Maximum value of SAR (measured) = 1.37 W/kg



### P04 WCDMA IV\_RMC12.2K\_Right Cheek\_Ch1513\_Sample1\_Ant1

**DUT: 131204C32**

Communication System: WCDMA; Frequency: 1752.6 MHz; Duty Cycle: 1:1

Medium: H1750\_0103 Medium parameters used:  $f = 1753$  MHz;  $\sigma = 1.359$  S/m;  $\epsilon_r = 40.563$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.9 °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 (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) = 1.47 W/kg

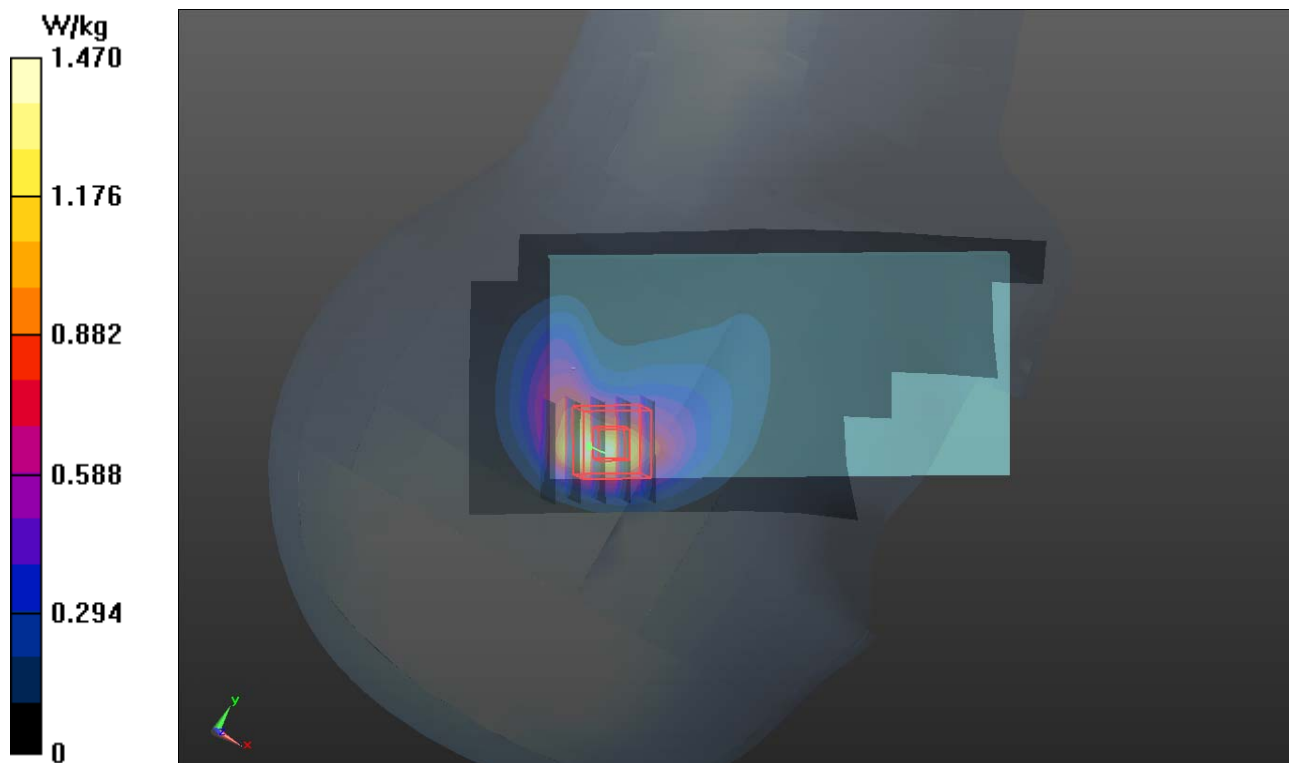
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.135 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.50 W/kg

**SAR(1 g) = 0.910 W/kg; SAR(10 g) = 0.508 W/kg**

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



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

**DUT: 131204C32**

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

Medium: H835\_0103 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.891$  S/m;  $\epsilon_r = 42.876$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.8 °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\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

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

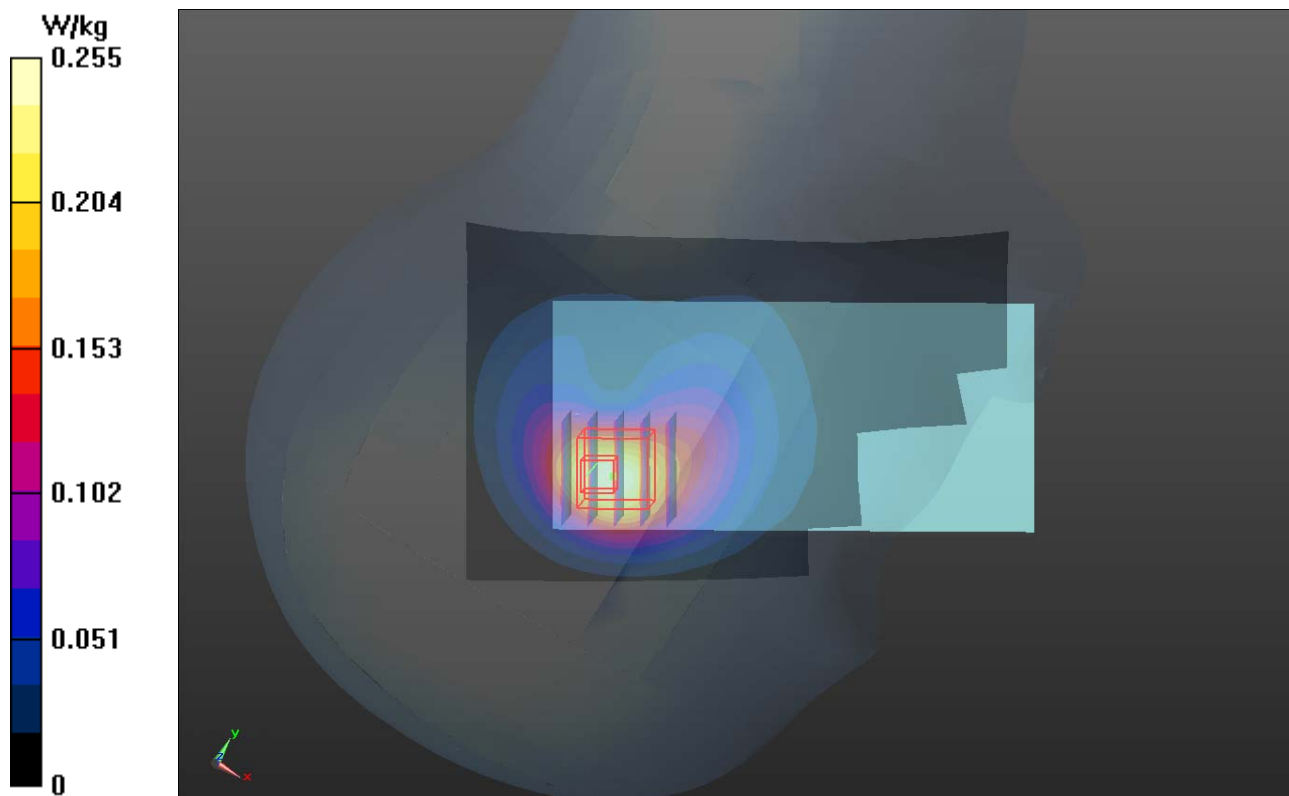
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.475 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.327 W/kg

**SAR(1 g) = 0.195 W/kg; SAR(10 g) = 0.117 W/kg**

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



### P06 LTE 4\_QPSK\_20M\_Right Cheek\_Ch20175\_Sample1\_Ant1\_1RB\_OS50

**DUT: 131204C32**

Communication System: LTE 4; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: H1750\_0103 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.338$  S/m;  $\epsilon_r = 40.663$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 20.9 °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 (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) = 1.08 W/kg

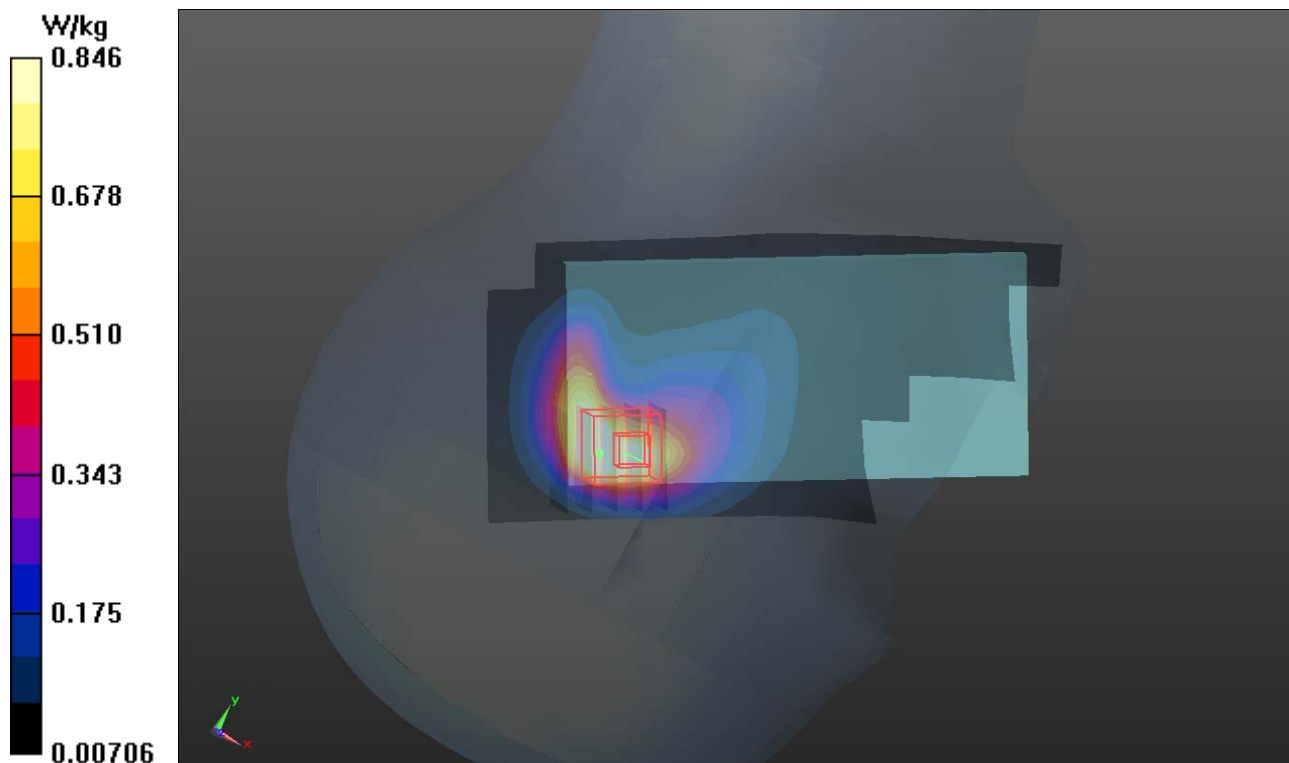
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.695 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 1.05 W/kg

**SAR(1 g) = 0.638 W/kg; SAR(10 g) = 0.357 W/kg**

Maximum value of SAR (measured) = 0.846 W/kg



### P07 LTE 7\_QPSK\_20M\_Right Cheek\_Ch21350\_Sample1\_Ant1\_1RB\_OS50

**DUT: 131204C32**

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

Medium: H2600\_0109 Medium parameters used:  $f = 2560$  MHz;  $\sigma = 2.001$  S/m;  $\epsilon_r = 37.928$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 21.6 °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\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 1.62 W/kg

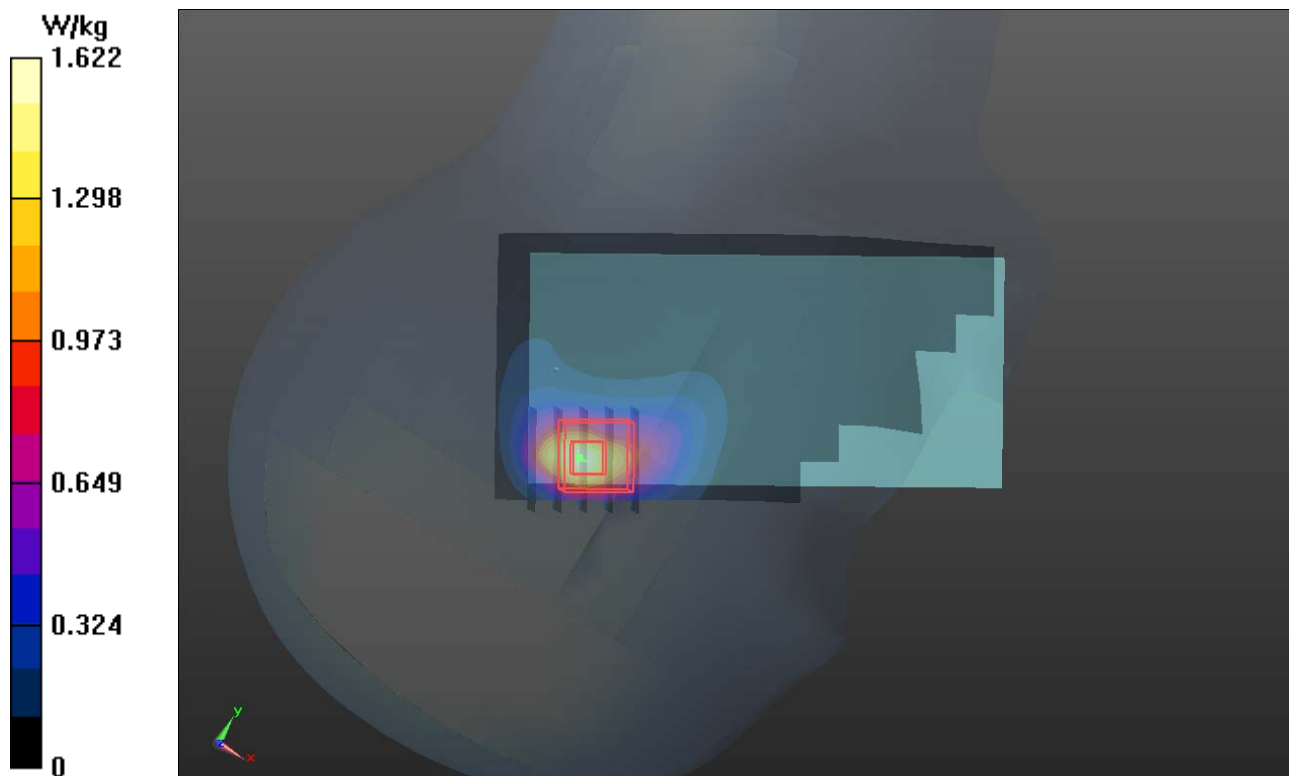
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.912 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.20 W/kg

**SAR(1 g) = 0.999 W/kg; SAR(10 g) = 0.455 W/kg**

Maximum value of SAR (measured) = 1.54 W/kg





## P08 LTE 17\_QPSK\_10M\_Right Cheek\_Ch23800\_Sample1\_Ant1\_1RB\_OS24

**DUT: 131204C32**

Communication System: LTE 17; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H750\_0103 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.869$  S/m;  $\epsilon_r = 41.663$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.41, 10.41, 10.41); 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 (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.541 W/kg

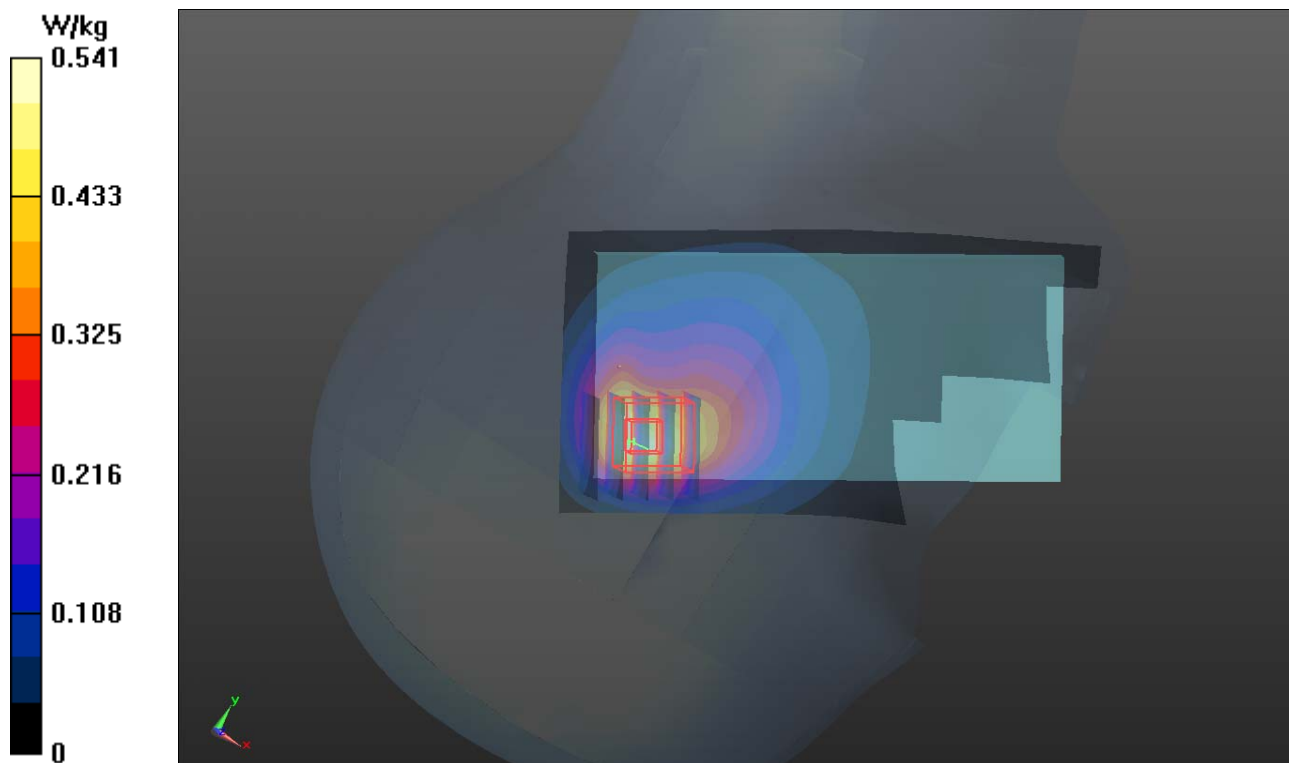
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.811 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.727 W/kg

**SAR(1 g) = 0.405 W/kg; SAR(10 g) = 0.248 W/kg**

Maximum value of SAR (measured) = 0.547 W/kg



## P09 802.11b\_Left Cheek\_Ch1\_Sample1

**DUT: 131204C32**

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

Medium: H2450\_0104 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.777$  S/m;  $\epsilon_r = 39.004$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.47, 7.47, 7.47); 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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.978 W/kg

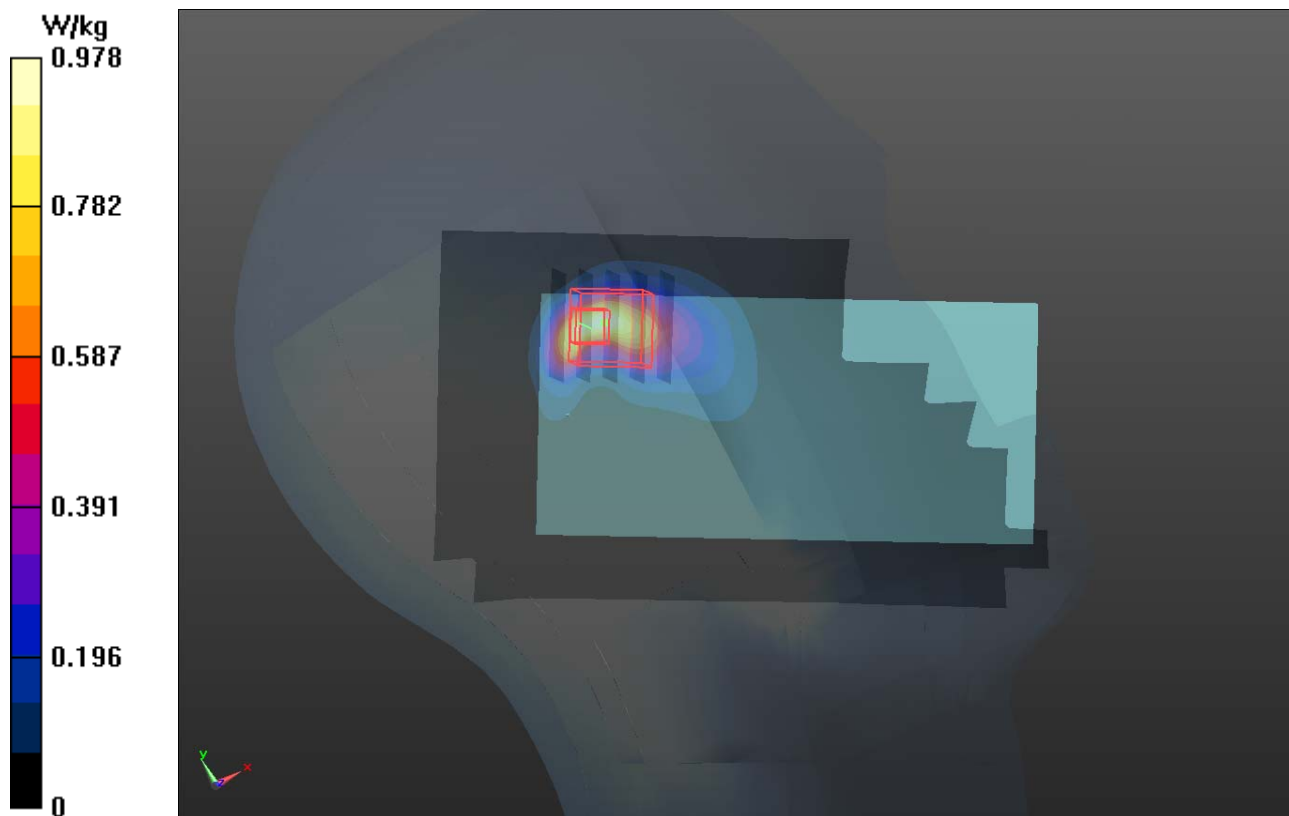
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.762 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.59 W/kg

**SAR(1 g) = 0.608 W/kg; SAR(10 g) = 0.262 W/kg**

Maximum value of SAR (measured) = 0.980 W/kg



### P10 802.11n\_HT20\_Left Cheek\_Ch36\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1.18

Medium: H5G\_0105 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.771$  S/m;  $\epsilon_r = 35.439$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C; Liquid Temperature : 21.1 °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 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.586 W/kg

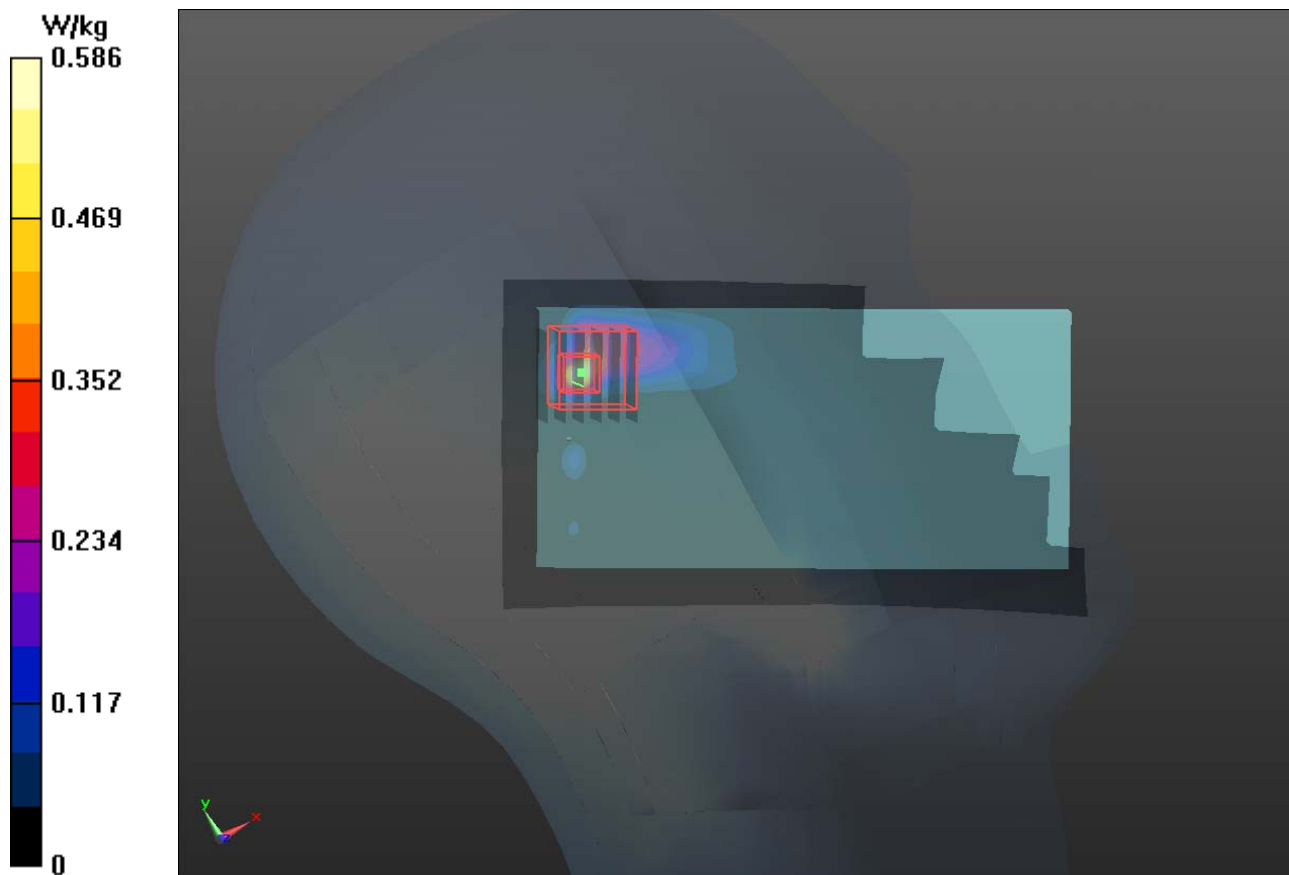
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.738 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.914 W/kg

**SAR(1 g) = 0.173 W/kg; SAR(10 g) = 0.058 W/kg**

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



## P11 802.11a\_Left Cheek\_Ch52\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5260 MHz; Duty Cycle: 1:1.18

Medium: H5G\_0106 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 4.923$  S/m;  $\epsilon_r = 35.998$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2 °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\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (91x171x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.562 W/kg

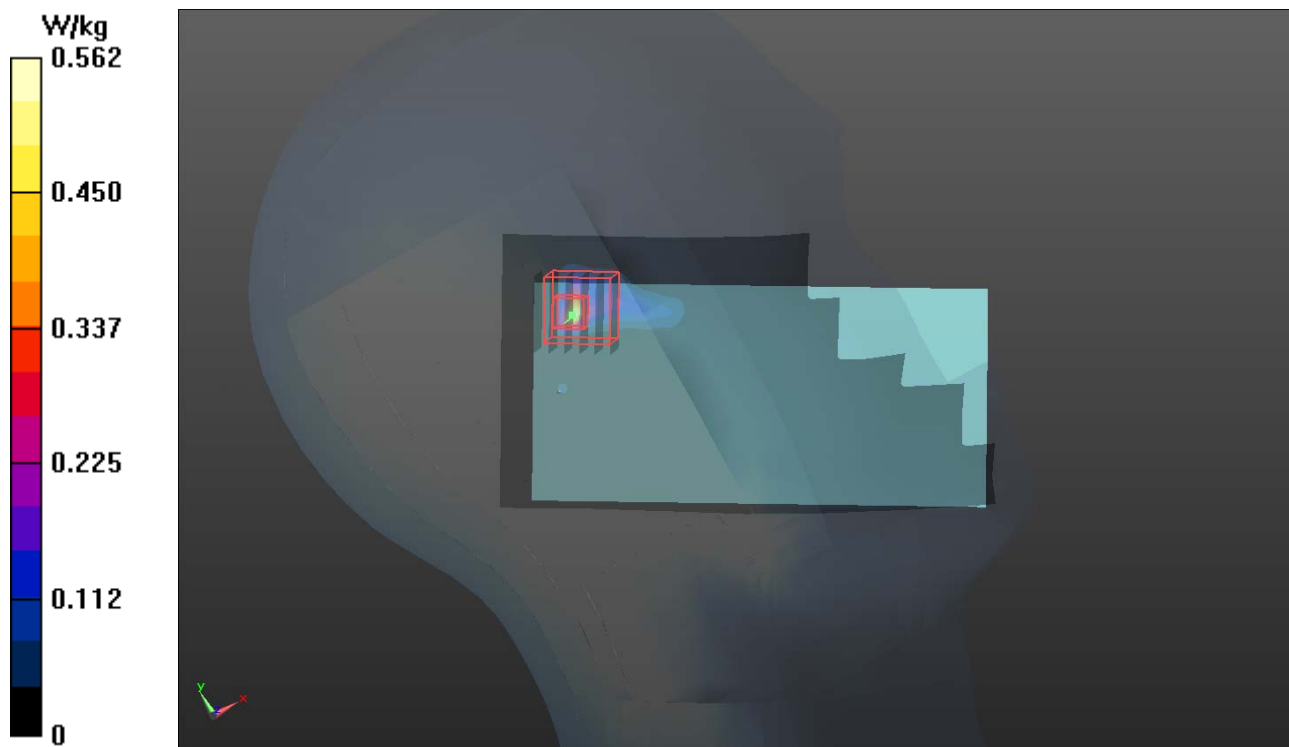
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.291 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.825 W/kg

**SAR(1 g) = 0.092 W/kg; SAR(10 g) = 0.032 W/kg**

Maximum value of SAR (measured) = 0.208 W/kg



## P12 802.11n\_HT20\_Right Cheek\_Ch140\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5700 MHz; Duty Cycle: 1:1.18

Medium: H5G\_0106 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.413$  S/m;  $\epsilon_r = 35.223$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2 °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\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 0.496 W/kg

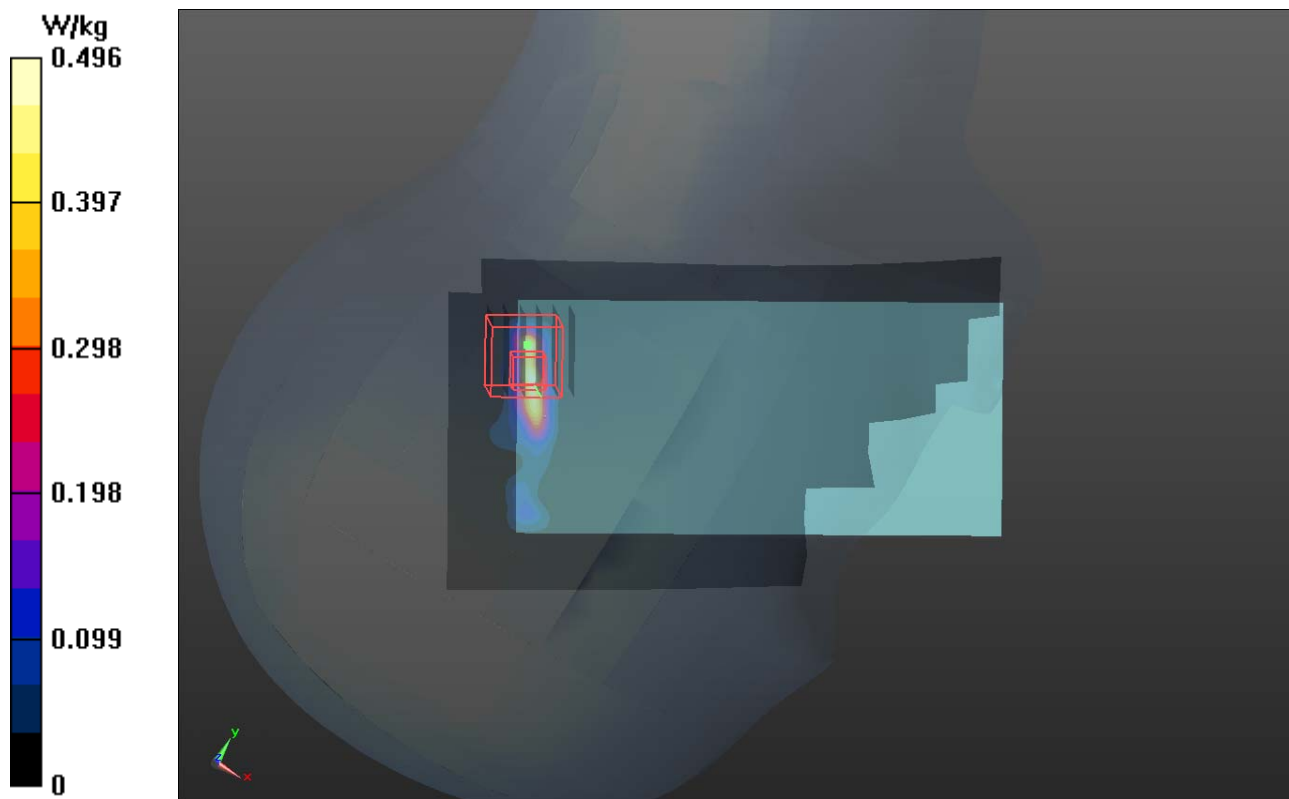
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.447 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.459 W/kg

**SAR(1 g) = 0.099 W/kg; SAR(10 g) = 0.027 W/kg**

Maximum value of SAR (measured) = 0.248 W/kg



### P13 802.11a\_Left Cheek\_Ch157\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1.18

Medium: H5G\_0106 Medium parameters used:  $f = 5785 \text{ MHz}$ ;  $\sigma = 5.507 \text{ S/m}$ ;  $\epsilon_r = 35.07$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 21.2 °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\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**- Area Scan (101x181x1):** Interpolated grid:  $dx=1.000 \text{ mm}$ ,  $dy=1.000 \text{ mm}$

Maximum value of SAR (interpolated) = 0.177 W/kg

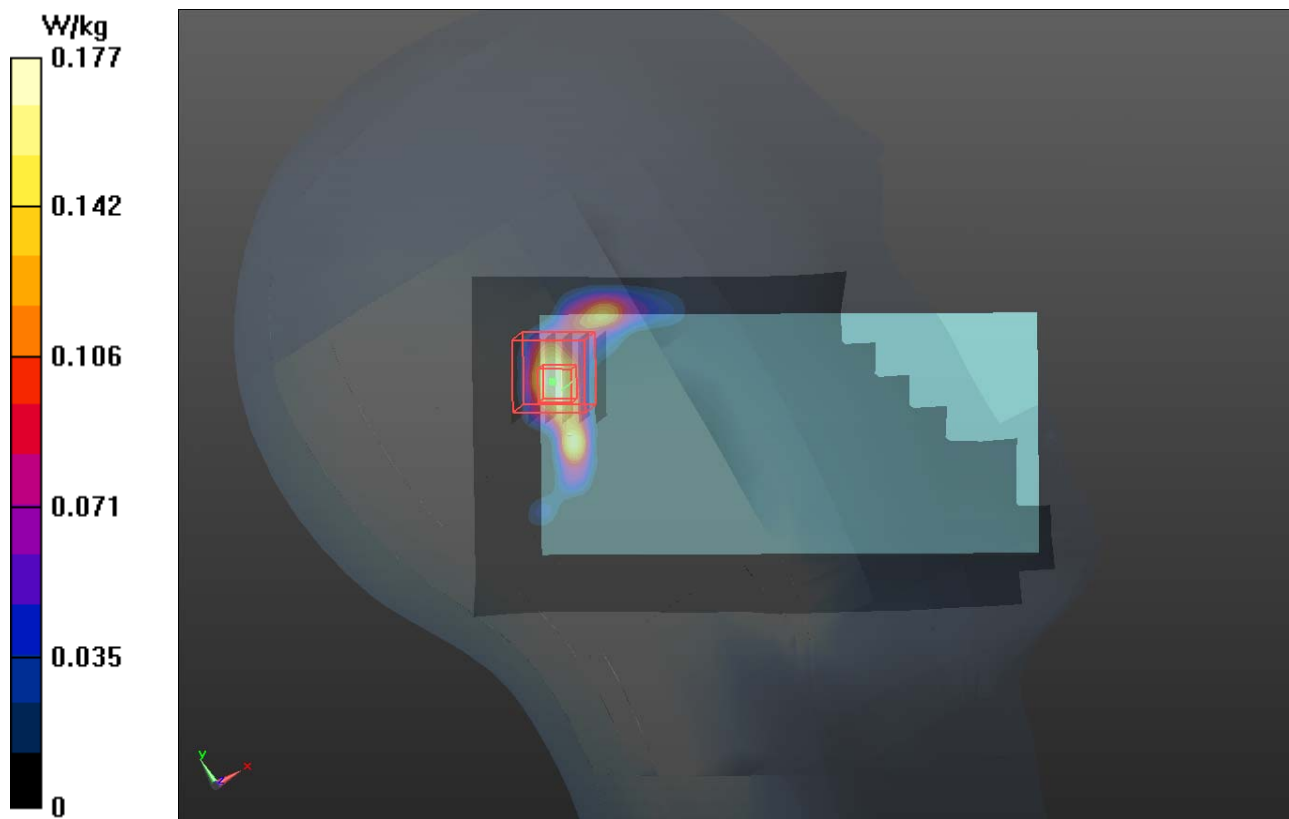
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid:  $dx=5\text{mm}$ ,  $dy=5\text{mm}$ ,  $dz=2\text{mm}$

Reference Value = 5.561 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.722 W/kg

**SAR(1 g) = 0.109 W/kg; SAR(10 g) = 0.025 W/kg**

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



## P14 GSM850\_GPRS10\_Rear Face\_1cm\_Ch128\_Sample1\_Ant0

**DUT: 131204C32**

Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: B835\_1226 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 56.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.7 °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: 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) = 0.276 W/kg

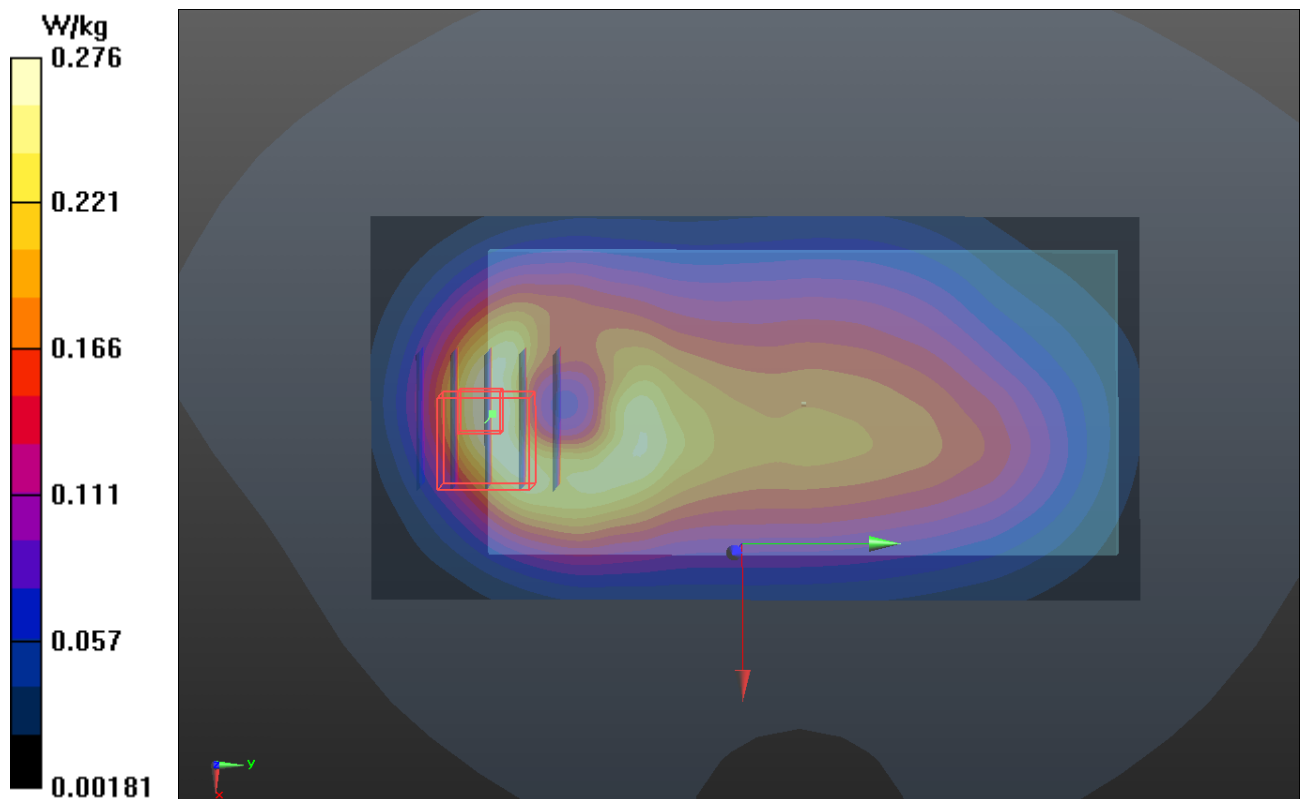
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.929 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.345 W/kg

**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.123 W/kg**

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



### P15 GSM1900\_GPRS10\_Front Face\_1cm\_Ch661\_Sample1\_Ant0

**DUT: 131204C32**

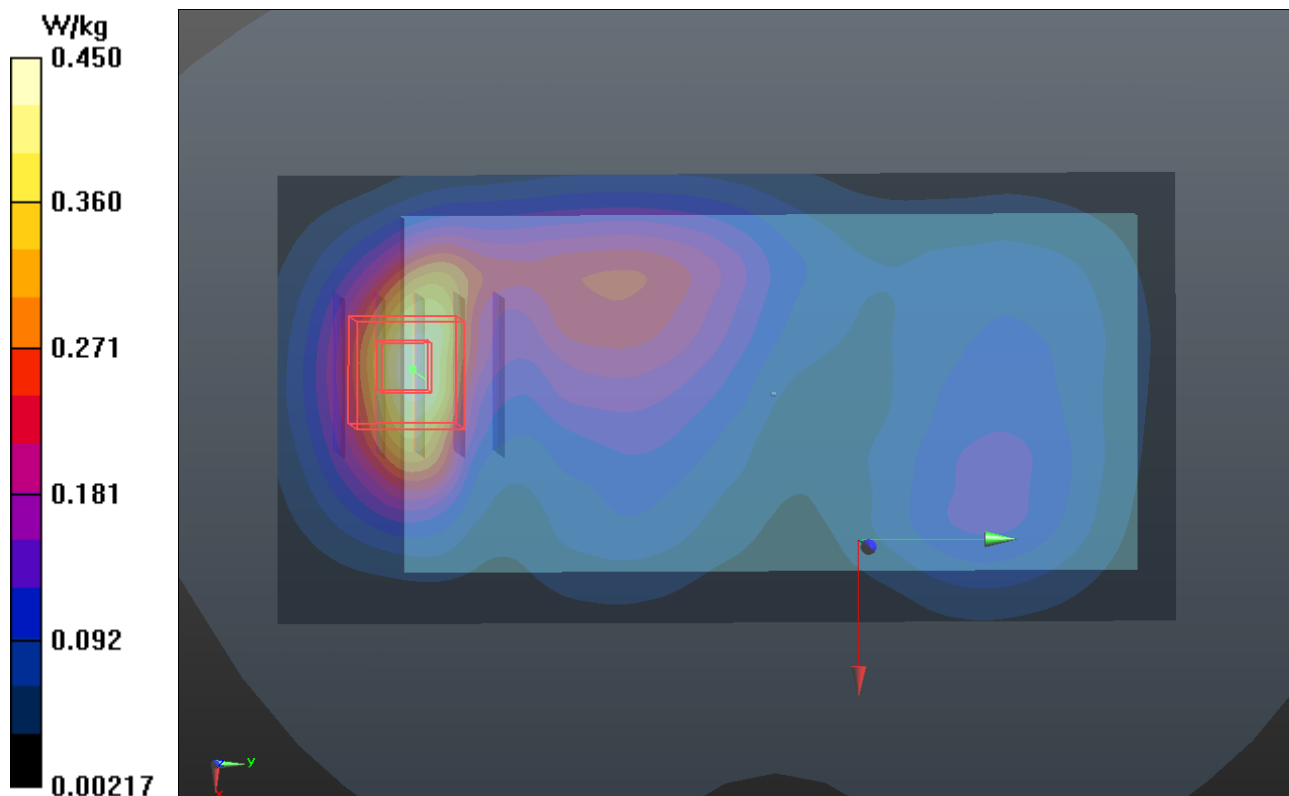
Communication System: GPRS10; Frequency: 1880 MHz; Duty Cycle: 1:4  
Medium: B1900\_1227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.533$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.3 °C ; Liquid Temperature : 21.0 °C

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) = 0.450 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.835 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 0.599 W/kg  
**SAR(1 g) = 0.353 W/kg; SAR(10 g) = 0.192 W/kg**  
Maximum value of SAR (measured) = 0.397 W/kg





### P16 WCDMA II\_RMC12.2K\_Front Face\_1cm\_Ch9262\_Sample1\_Ant0

**DUT: 131204C32**

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

Medium: B1900\_1227 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 53.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>

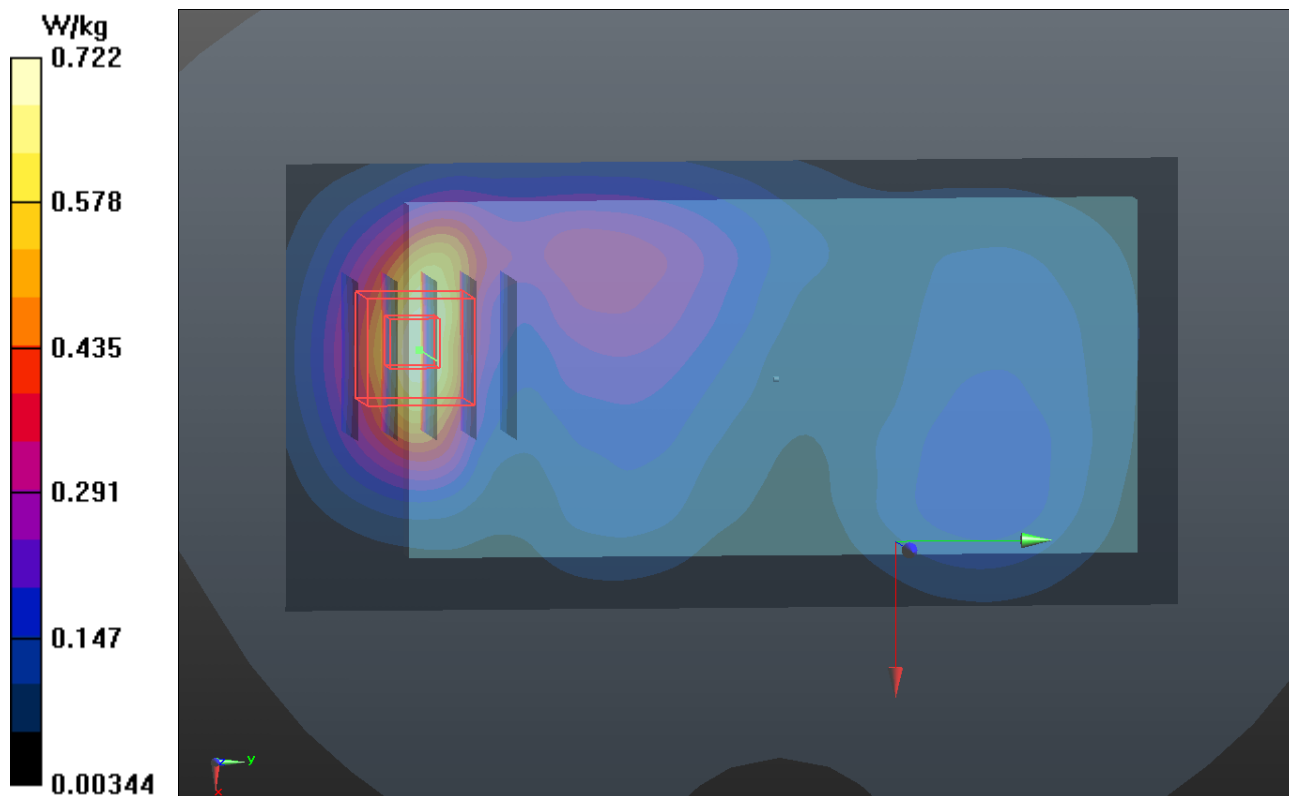
Ambient Temperature : 21.3 °C ; Liquid Temperature : 21.0 °C

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) = 0.722 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.378 V/m; Power Drift = 0.06 dB  
Peak SAR (extrapolated) = 0.928 W/kg  
**SAR(1 g) = 0.557 W/kg; SAR(10 g) = 0.306 W/kg**  
Maximum value of SAR (measured) = 0.622 W/kg



### P17 WCDMA IV\_RMC12.2k\_Rear Face\_1cm\_Ch1413\_Sample1\_Ant0

**DUT: 131204C32**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: B1750\_0103 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.48$  S/m;  $\epsilon_r = 52.446$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.9 °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 (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) = 0.504 W/kg

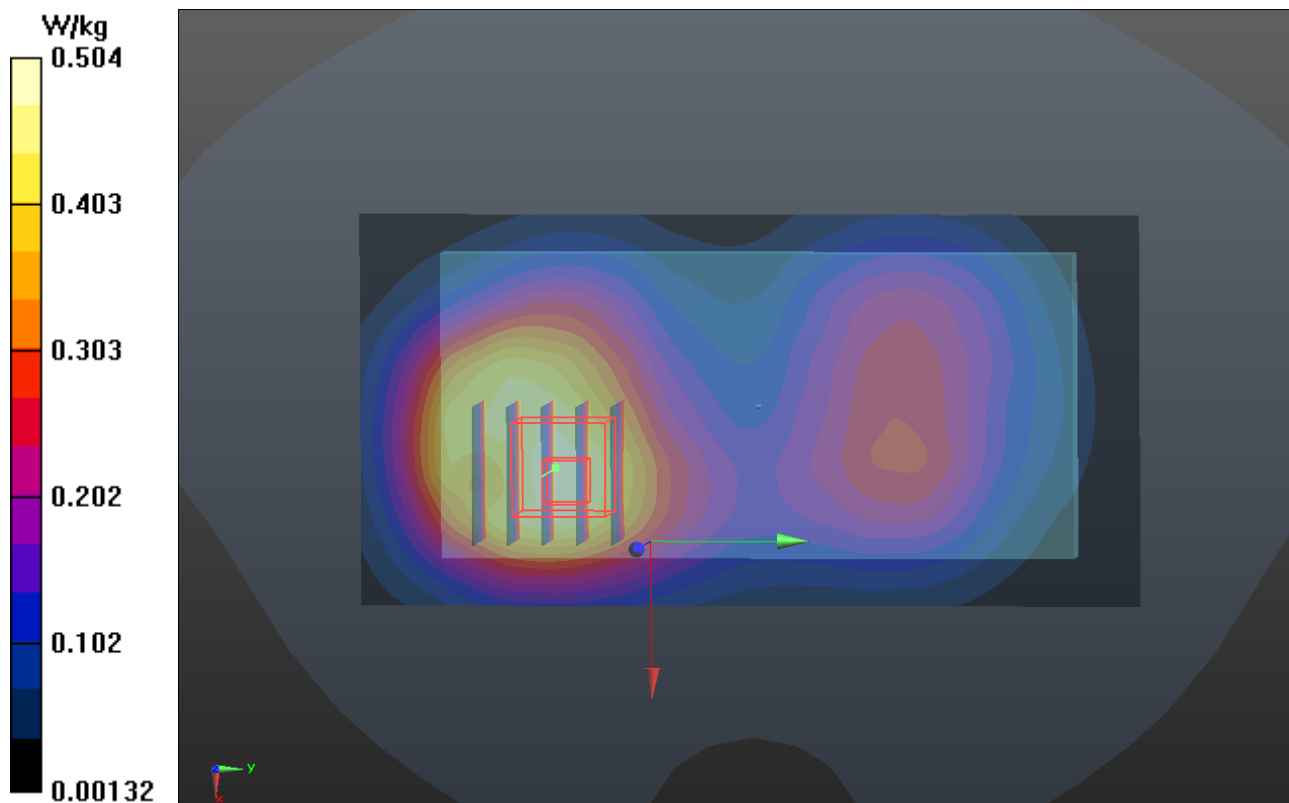
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.489 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.577 W/kg

**SAR(1 g) = 0.399 W/kg; SAR(10 g) = 0.267 W/kg**

Maximum value of SAR (measured) = 0.491 W/kg



### P18 WCDMA V\_RMC12.2K\_Front Face\_1cm\_Ch4182\_Sample1\_Ant0

**DUT: 131204C32**

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

Medium: B835\_1226 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 1$  S/m;  $\epsilon_r = 56.665$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.7 °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: 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) = 0.206 W/kg

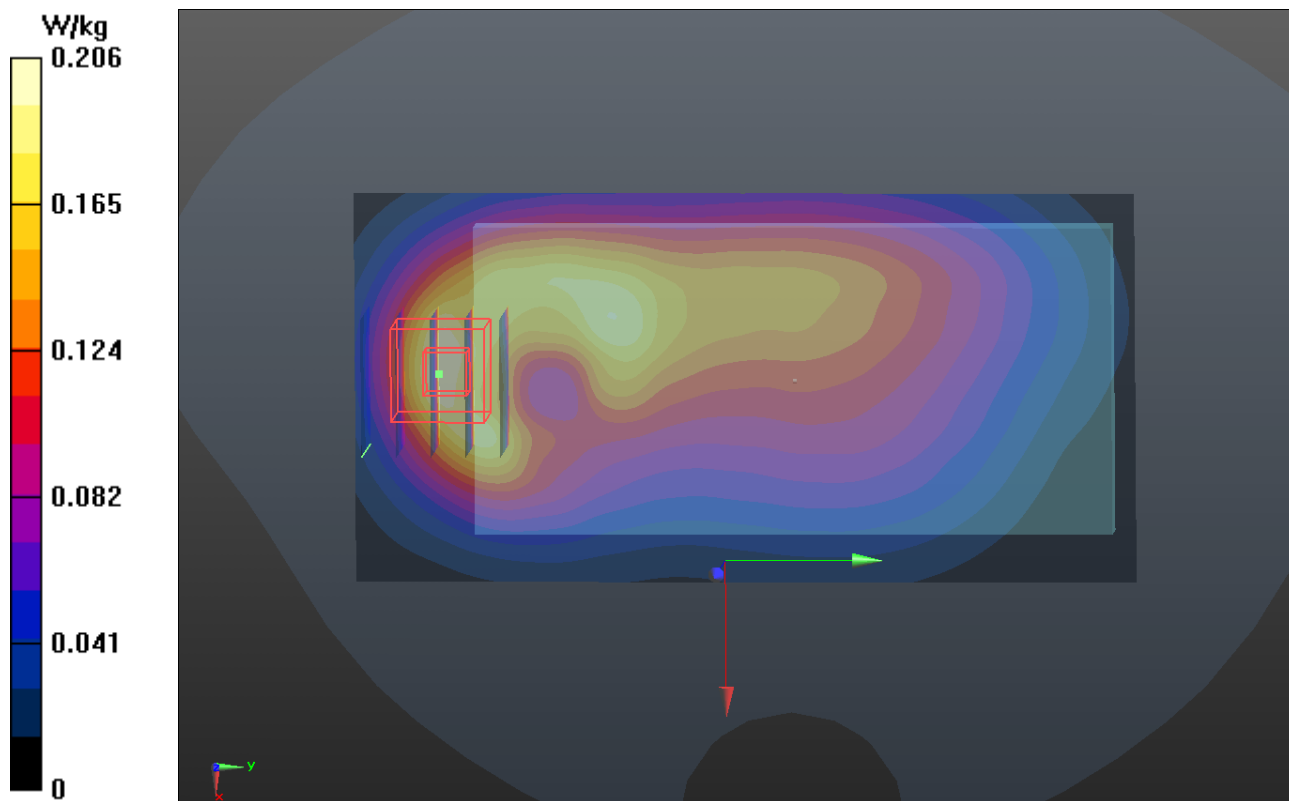
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.841 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.290 W/kg

**SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.102 W/kg**

Maximum value of SAR (measured) = 0.225 W/kg



### P19 LTE 4\_QPSK\_20M\_Rear Face\_1cm\_Ch20175\_Sample1\_Ant0\_1RB\_OS50

**DUT: 131204C32**

Communication System: LTE 4; Frequency: 1732.5 MHz; Duty Cycle: 1:1

Medium: B1750\_1227 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.466$  S/m;  $\epsilon_r = 52.151$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 21.0 °C

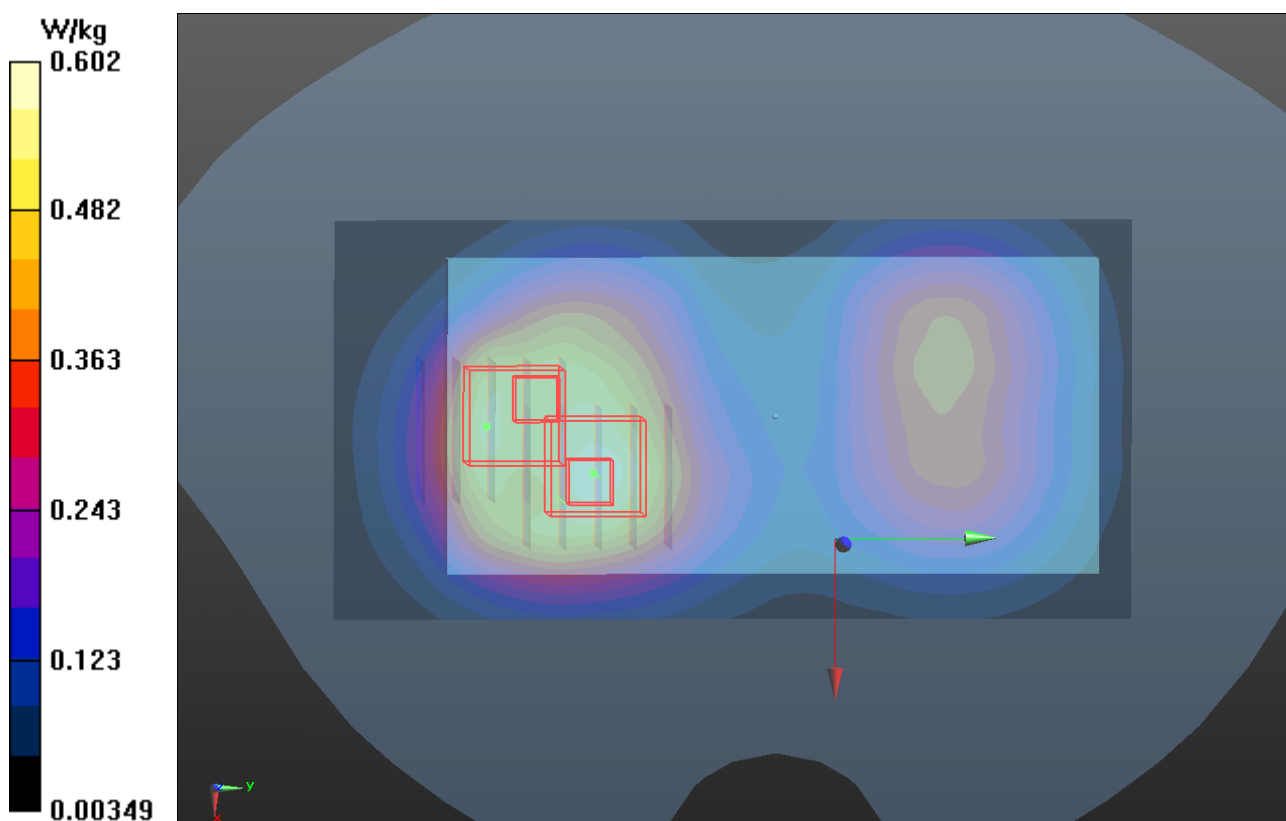
DASY5 Configuration:

- 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\_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) = 0.602 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.408 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.692 W/kg  
**SAR(1 g) = 0.485 W/kg; SAR(10 g) = 0.326 W/kg**  
Maximum value of SAR (measured) = 0.594 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.408 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.666 W/kg  
**SAR(1 g) = 0.413 W/kg; SAR(10 g) = 0.265 W/kg**  
Maximum value of SAR (measured) = 0.566 W/kg



### P20 LTE 7\_QPSK\_20M\_Front Face\_1cm\_Ch21100\_Sample1\_Ant0\_1RB\_OS50

**DUT: 131204C32**

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

Medium: B2600\_0103 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.104$  S/m;  $\epsilon_r = 52.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

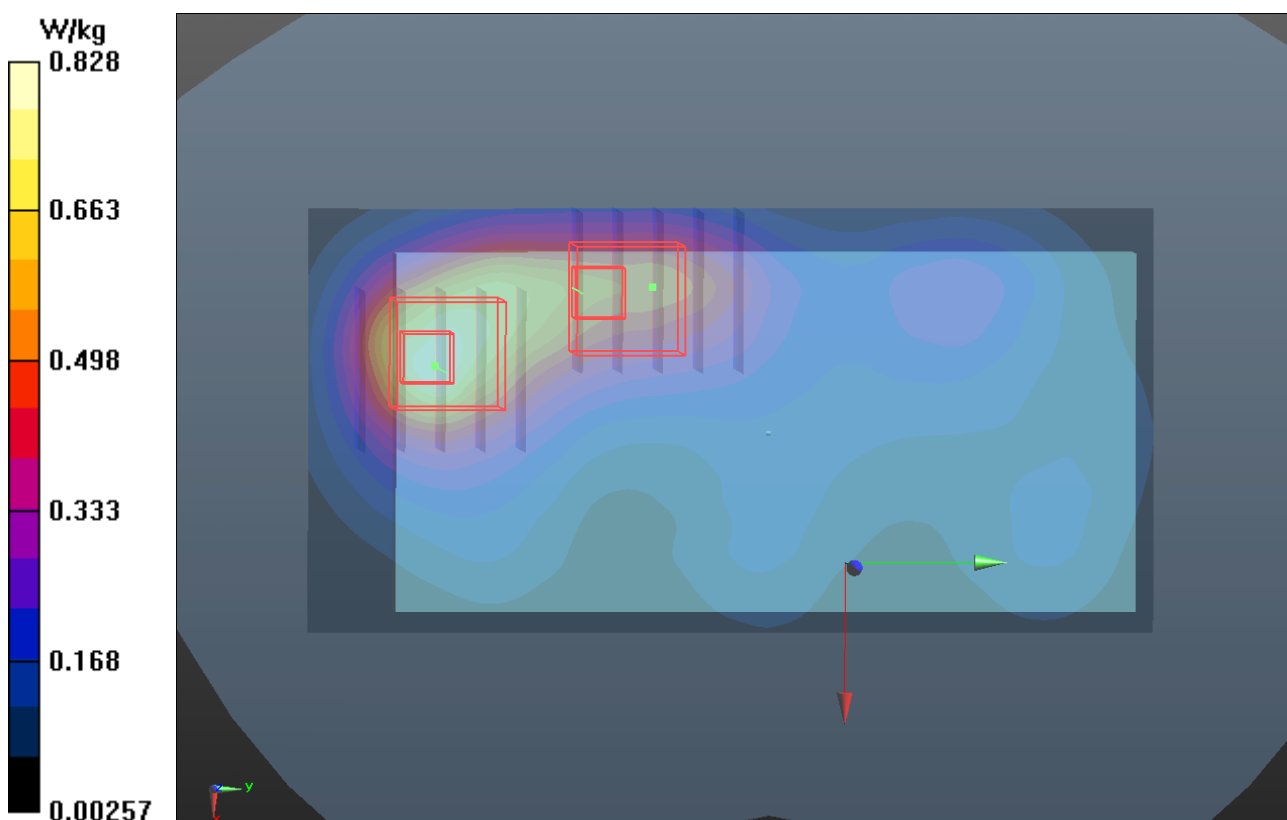
DASY5 Configuration:

- 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\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

- **Area Scan (71x141x1):** Interpolated grid: dx=1.200 mm, dy=1.200 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 = 8.763 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 1.15 W/kg  
**SAR(1 g) = 0.552 W/kg; SAR(10 g) = 0.286 W/kg**  
Maximum value of SAR (measured) = 0.823 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.763 V/m; Power Drift = 0.04 dB  
Peak SAR (extrapolated) = 0.763 W/kg  
**SAR(1 g) = 0.395 W/kg; SAR(10 g) = 0.218 W/kg**  
Maximum value of SAR (measured) = 0.570 W/kg



### P21 LTE 17\_QPSK\_10M\_Rear Face\_1cm\_Ch23800\_Sample1\_Ant0\_1RB\_OS24

**DUT: 131204C32**

Communication System: LTE 17; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B750\_1226 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.936$  S/m;  $\epsilon_r = 55.841$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.7 °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: 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) = 0.142 W/kg

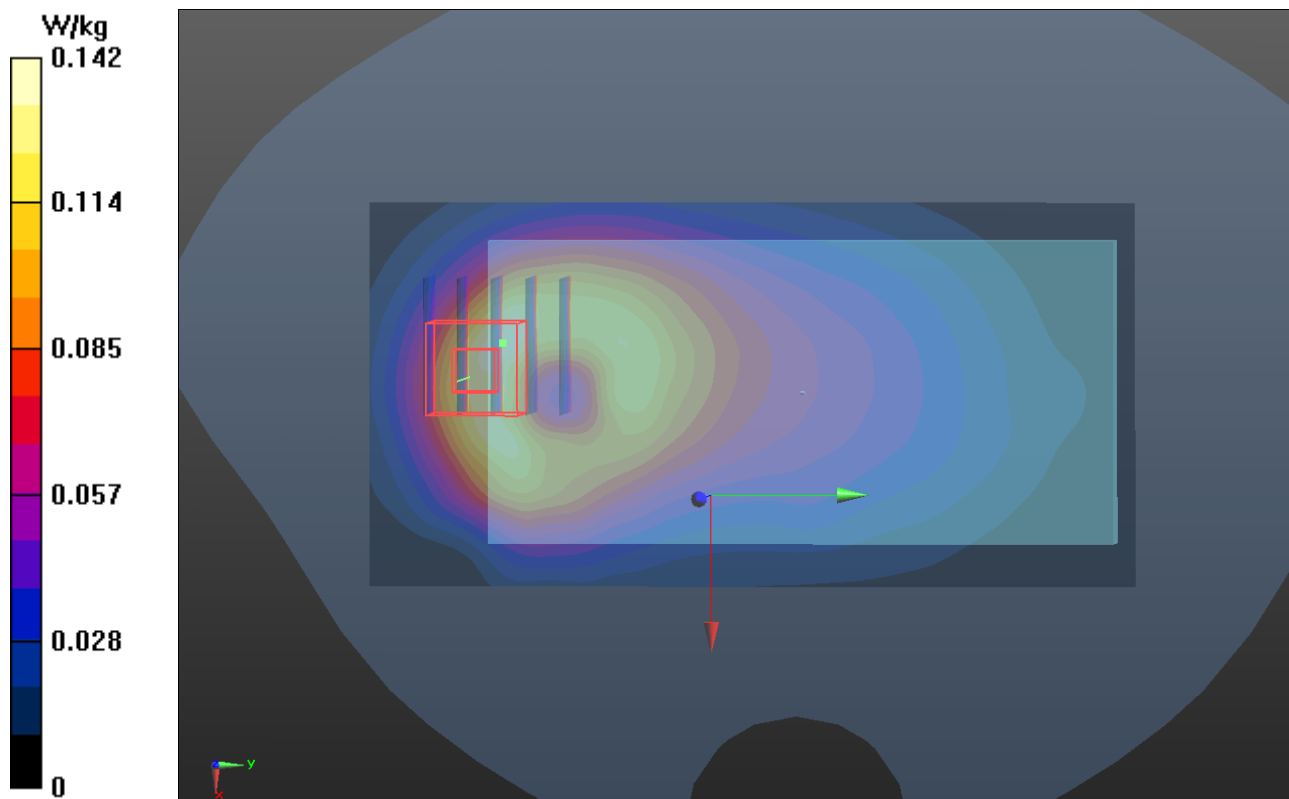
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.218 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.175 W/kg

**SAR(1 g) = 0.104 W/kg; SAR(10 g) = 0.060 W/kg**

Maximum value of SAR (measured) = 0.136 W/kg



## P22 802.11b\_Front Face\_1cm\_Ch1\_Sample1

**DUT: 131204C32**

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

Medium: B2450\_0103 Medium parameters used:  $f = 2412$  MHz;  $\sigma = 1.91$  S/m;  $\epsilon_r = 51.504$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.4, 7.4, 7.4); 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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

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

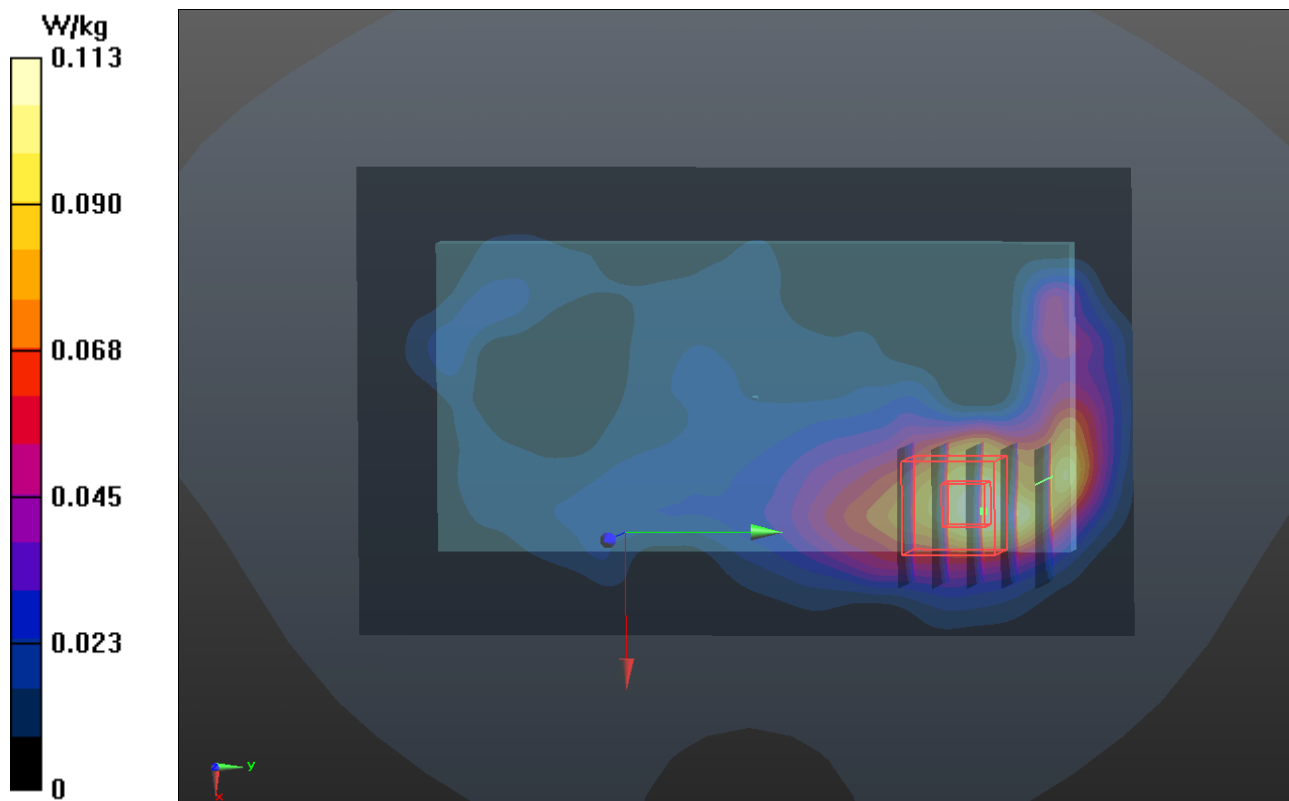
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.083 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.142 W/kg

**SAR(1 g) = 0.078 W/kg; SAR(10 g) = 0.040 W/kg**

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



### P23 802.11n\_HT20\_Rear Face\_1cm\_Ch36\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1.18

Medium: B5G\_0107 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.371$  S/m;  $\epsilon_r = 47.777$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.49, 4.49, 4.49); 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 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 0.0888 W/kg

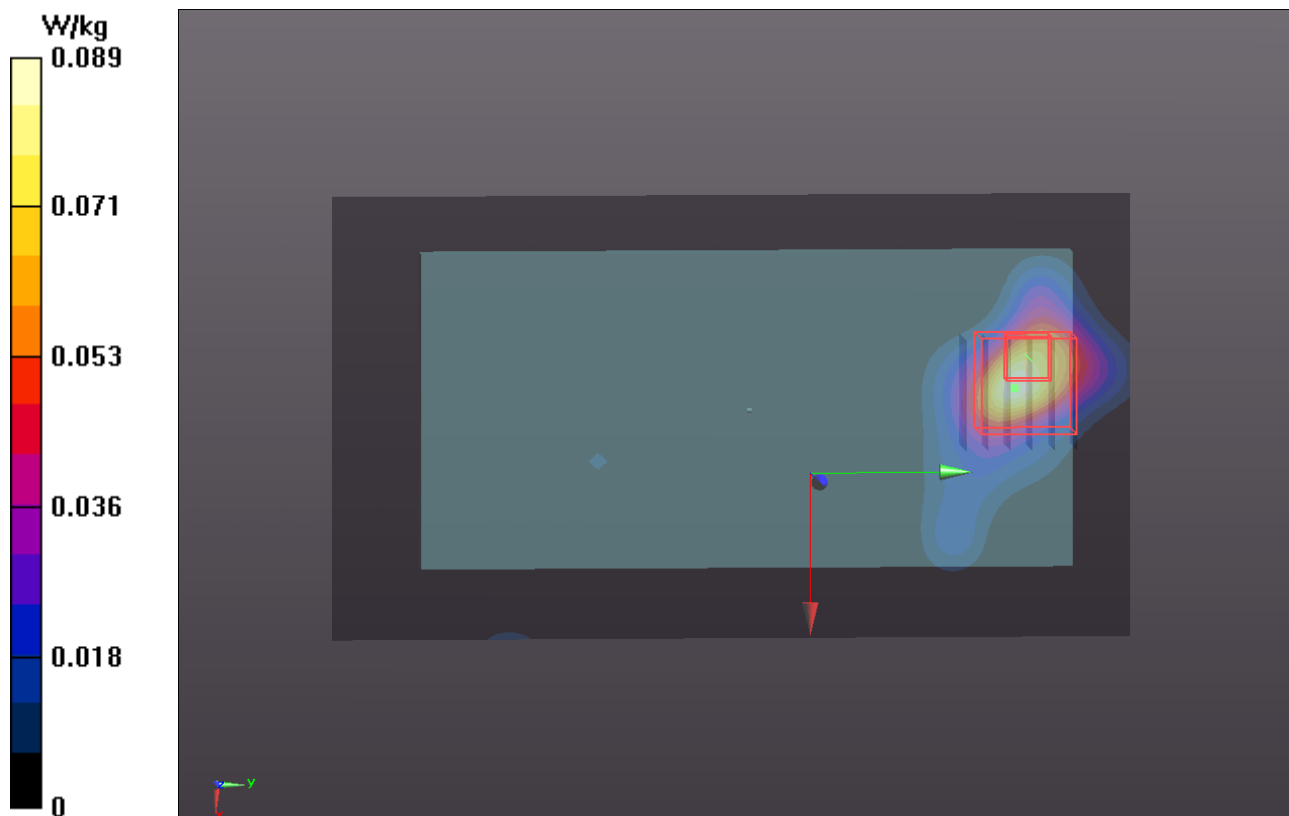
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.187 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.409 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.015 W/kg**

Maximum value of SAR (measured) = 0.0969 W/kg





### P24 802.11n\_HT20\_Rear Face\_1cm\_Ch52\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5260 MHz; Duty Cycle: 1:1.18

Medium: B5G\_0107 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.481$  S/m;  $\epsilon_r = 47.619$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.01, 4.01, 4.01); 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 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 0.0774 W/kg

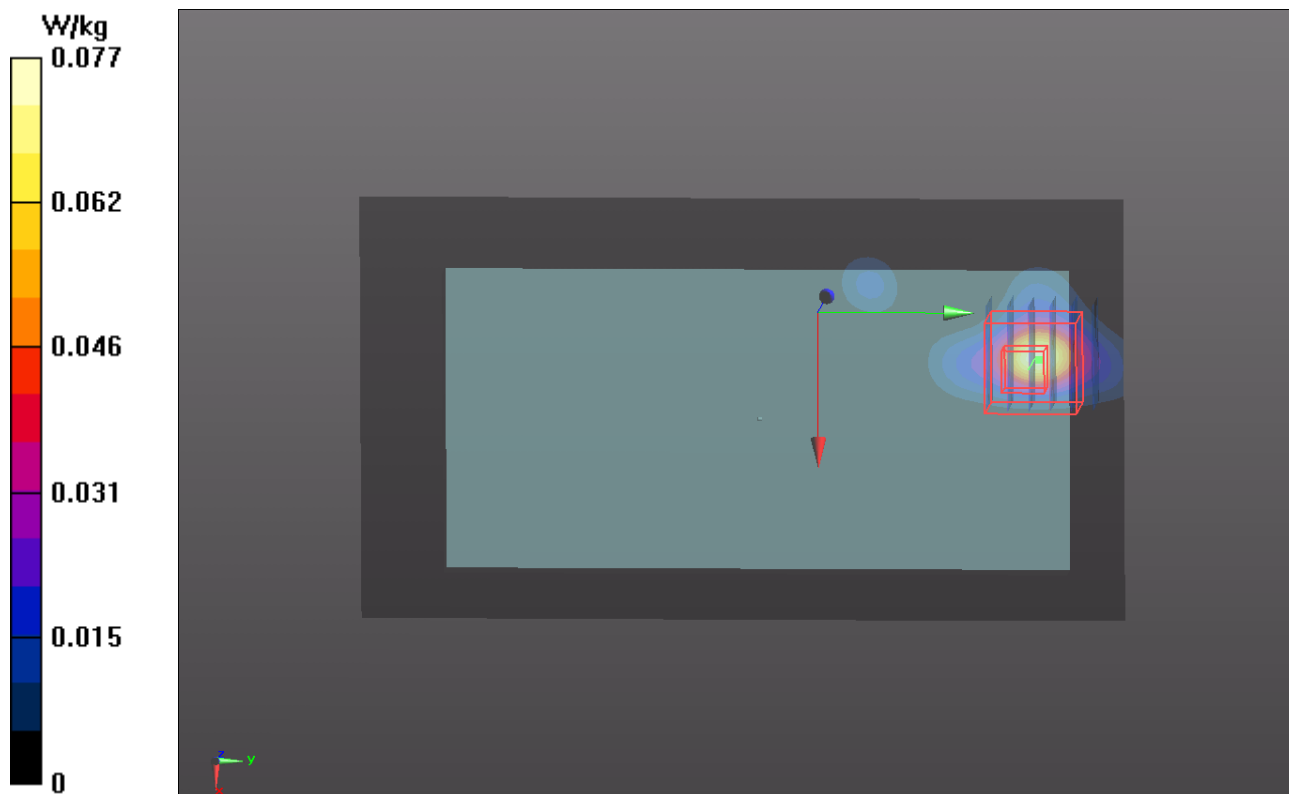
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.232 W/kg

**SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.00882 W/kg**

Maximum value of SAR (measured) = 0.0697 W/kg



## P25 802.11a\_Front Face\_1cm\_Ch140\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5700 MHz; Duty Cycle: 1:1.18

Medium: B5G\_0107 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 6.095$  S/m;  $\epsilon_r = 46.733$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(3.93, 3.93, 3.93); 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 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 0.0213 W/kg

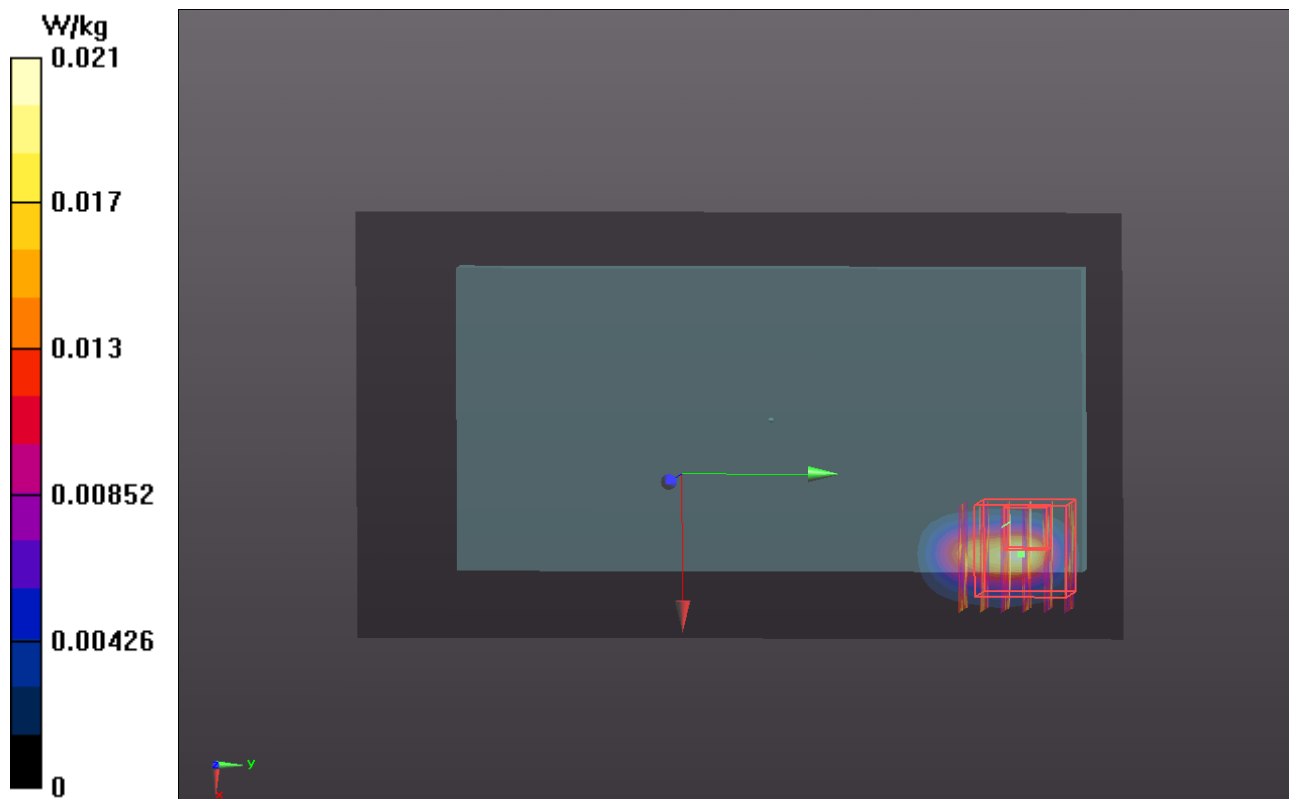
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.577 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.0850 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.00328 W/kg**

Maximum value of SAR (measured) = 0.0295 W/kg



## P26 802.11n\_HT20\_Front Face\_1cm\_Ch165\_Sample1

**DUT: 131204C32**

Communication System: WLAN\_5G; Frequency: 5825 MHz; Duty Cycle: 1:1.18

Medium: B5G\_0107 Medium parameters used:  $f = 5825$  MHz;  $\sigma = 6.279$  S/m;  $\epsilon_r = 46.488$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(3.93, 3.93, 3.93); 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 (4); SEMCAD X Version 14.6.8 (7028)

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

Maximum value of SAR (interpolated) = 0.0257 W/kg

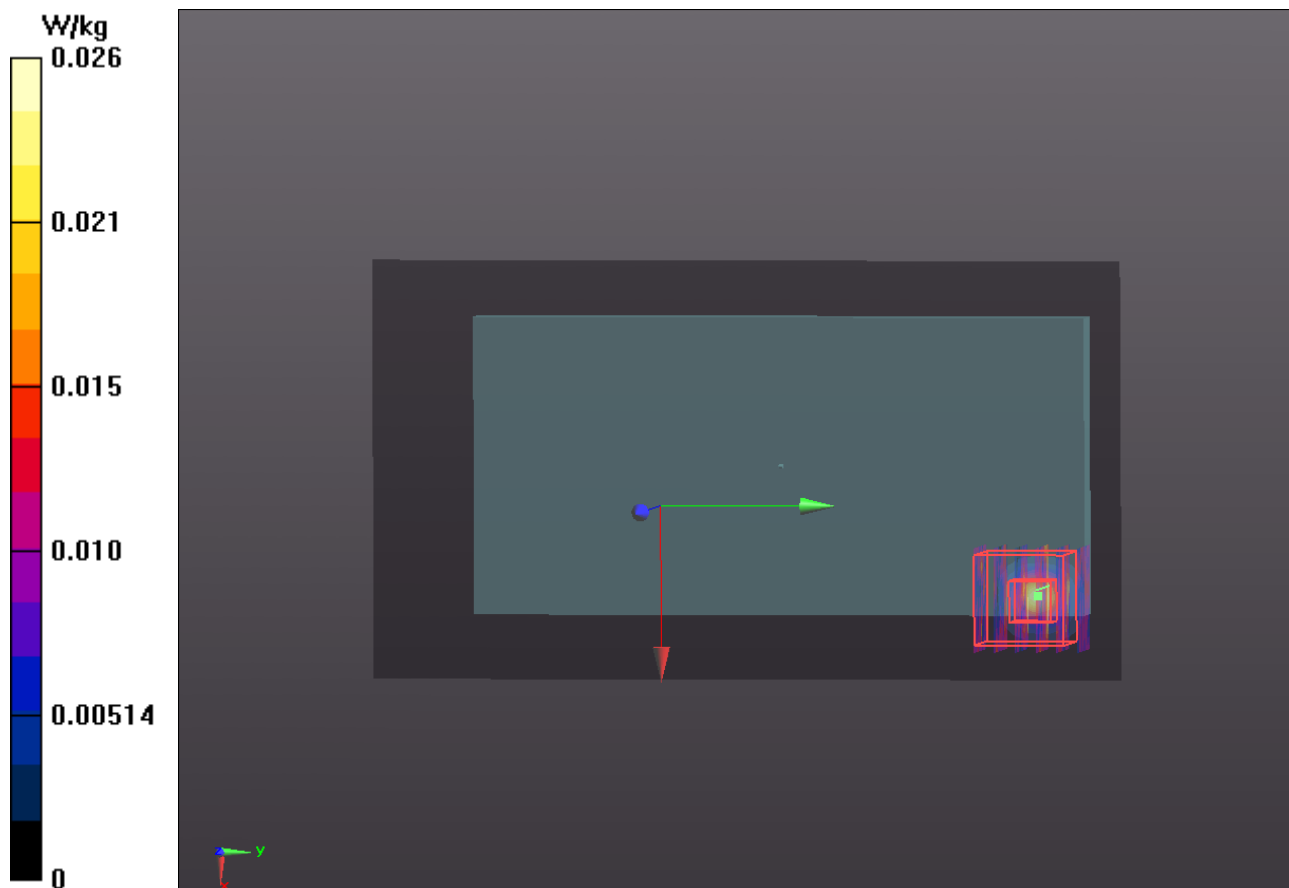
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.908 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.0720 W/kg

**SAR(1 g) = 0.013 W/kg; SAR(10 g) = 0.003 W/kg**

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



### P27 GSM850\_GPRS10\_Left Side\_1cm\_Ch128\_Sample1\_Ant0

**DUT: 131204C32**

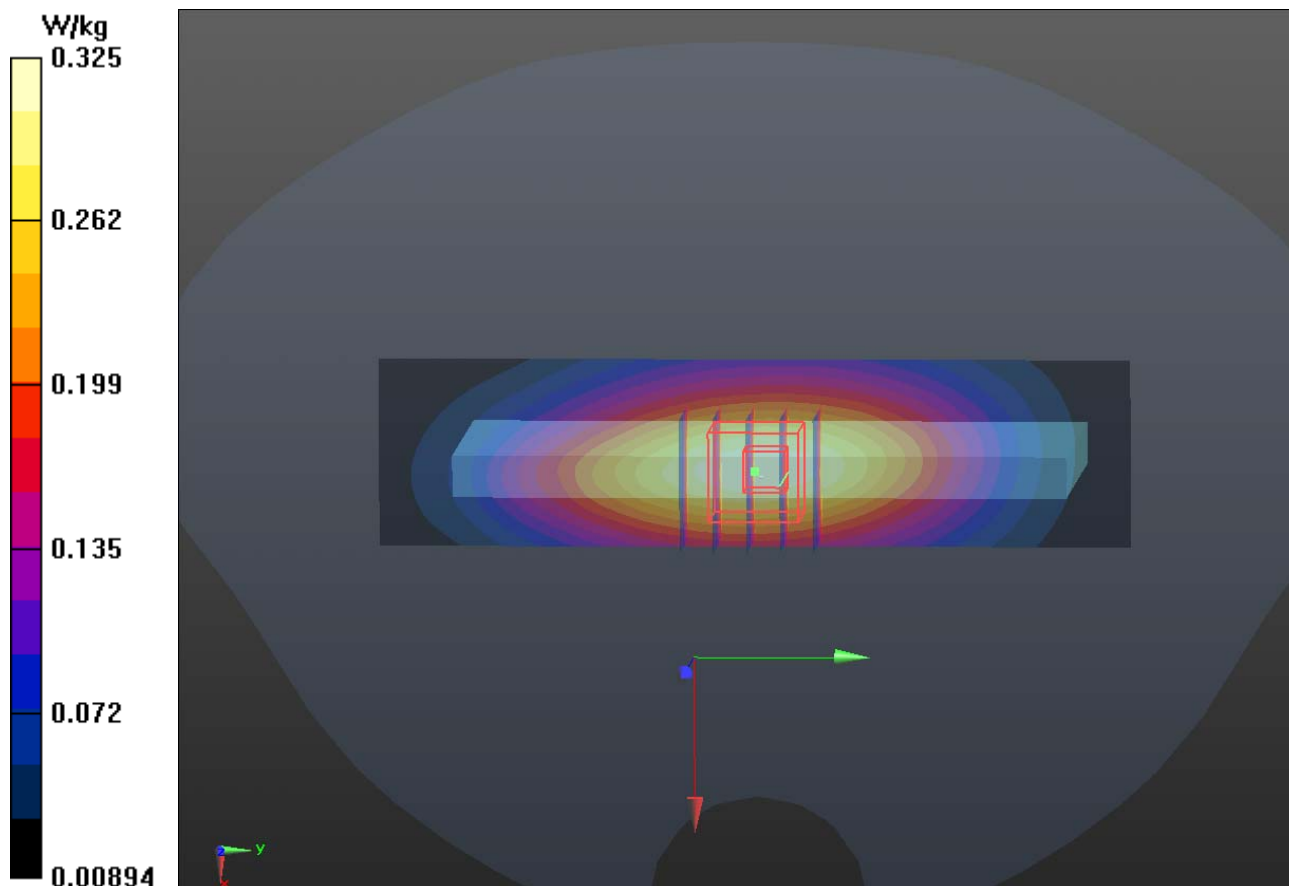
Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4  
Medium: B835\_1226 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 56.783$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.5 °C ; Liquid Temperature : 20.7 °C

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: 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 (31x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.325 W/kg

**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 18.386 V/m; Power Drift = -0.07 dB  
Peak SAR (extrapolated) = 0.368 W/kg  
**SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.186 W/kg**  
Maximum value of SAR (measured) = 0.322 W/kg



## P28 GSM1900\_GPRS10\_Bottom Side\_1cm\_Ch661\_Sample1\_Ant0

**DUT: 131204C32**

Communication System: GPRS10; Frequency: 1880 MHz; Duty Cycle: 1:4

Medium: B1900\_1227 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.533$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C ; Liquid Temperature : 21.0 °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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.782 W/kg

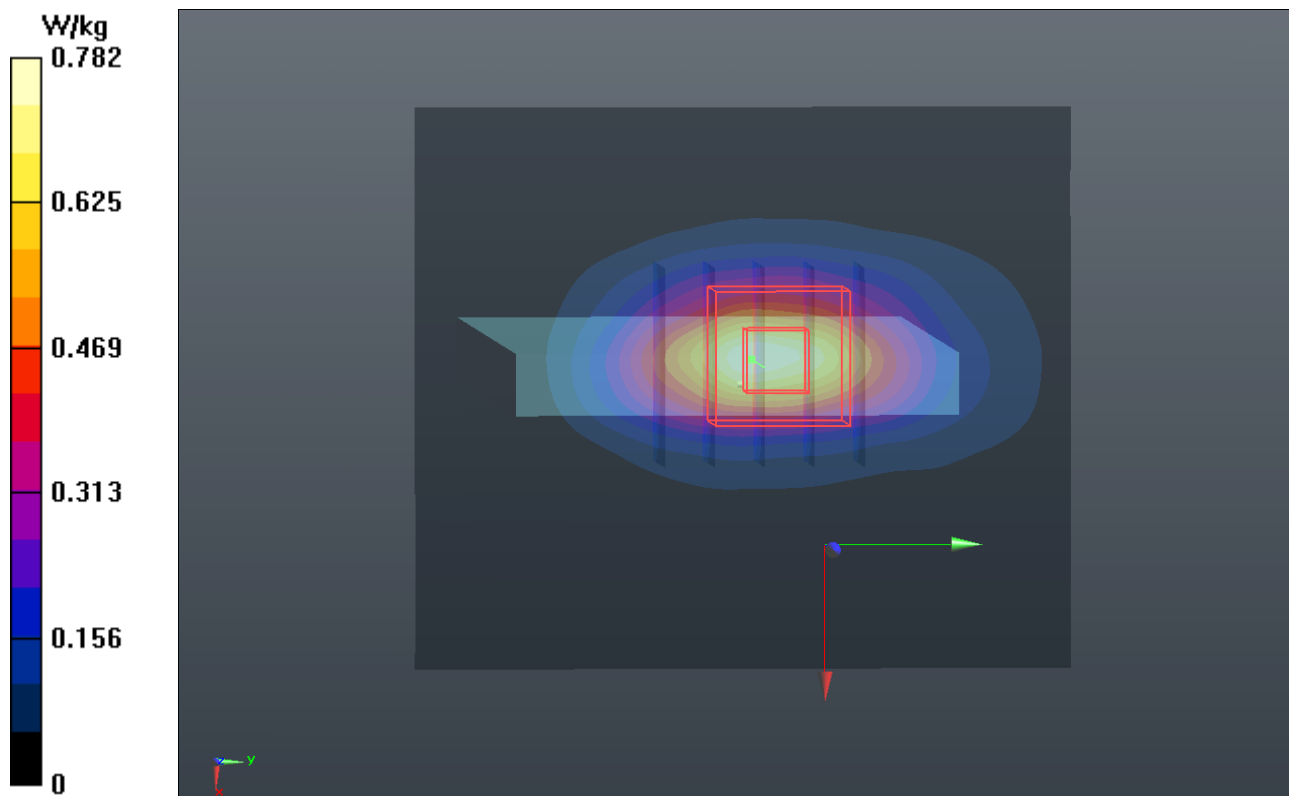
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.151 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.917 W/kg

**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.291 W/kg**

Maximum value of SAR (measured) = 0.593 W/kg



## P29 WCDMA II\_RMC12.2K\_Bottom Side\_1cm\_Ch9262\_Sample1\_Ant0

**DUT: 131204C32**

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

Medium: B1900\_1227 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 53.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3 °C; Liquid Temperature : 21.0 °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 (61x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.11 W/kg

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

Reference Value = 25.064 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.780 W/kg; SAR(10 g) = 0.425 W/kg**

Maximum value of SAR (measured) = 0.855 W/kg

