



## **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\_Ch251\_ANT-1

**DUT: 130502C16**

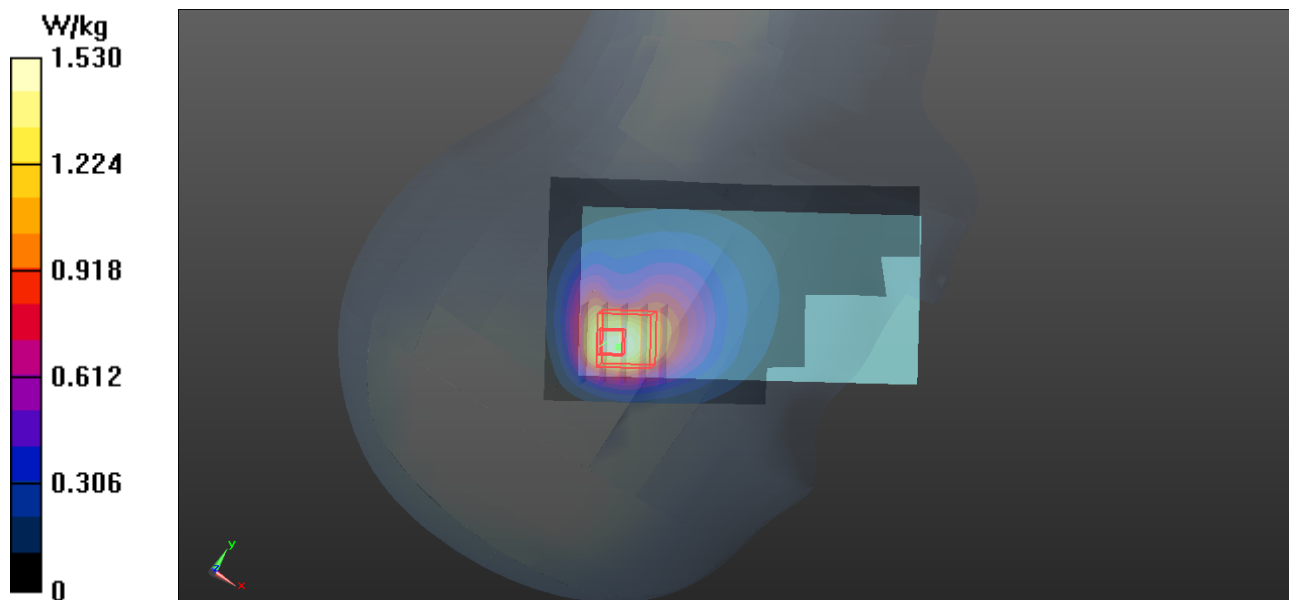
Communication System: GPRS12; Frequency: 848.8 MHz; Duty Cycle: 1:2  
Medium: H835\_0522 Medium parameters used:  $f = 849$  MHz;  $\sigma = 0.898$  S/m;  $\epsilon_r = 42.111$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- 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 (4); SEMCAD X Version 14.6.8 (7028)

**Ch251/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.53 W/kg

**Ch251/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 29.380 V/m; Power Drift = 0.15 dB  
Peak SAR (extrapolated) = 2.44 W/kg  
**SAR(1 g) = 1.22 W/kg; SAR(10 g) = 0.715 W/kg**  
Maximum value of SAR (measured) = 1.71 W/kg



### P02 GSM1900\_GPRS12\_Left Cheek\_Ch512\_ANT-0

**DUT: 130502C16**

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

Medium: H1900\_0523 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.367$  S/m;  $\epsilon_r = 40.644$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.42, 7.42, 7.42); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch512/Area Scan (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.686 W/kg

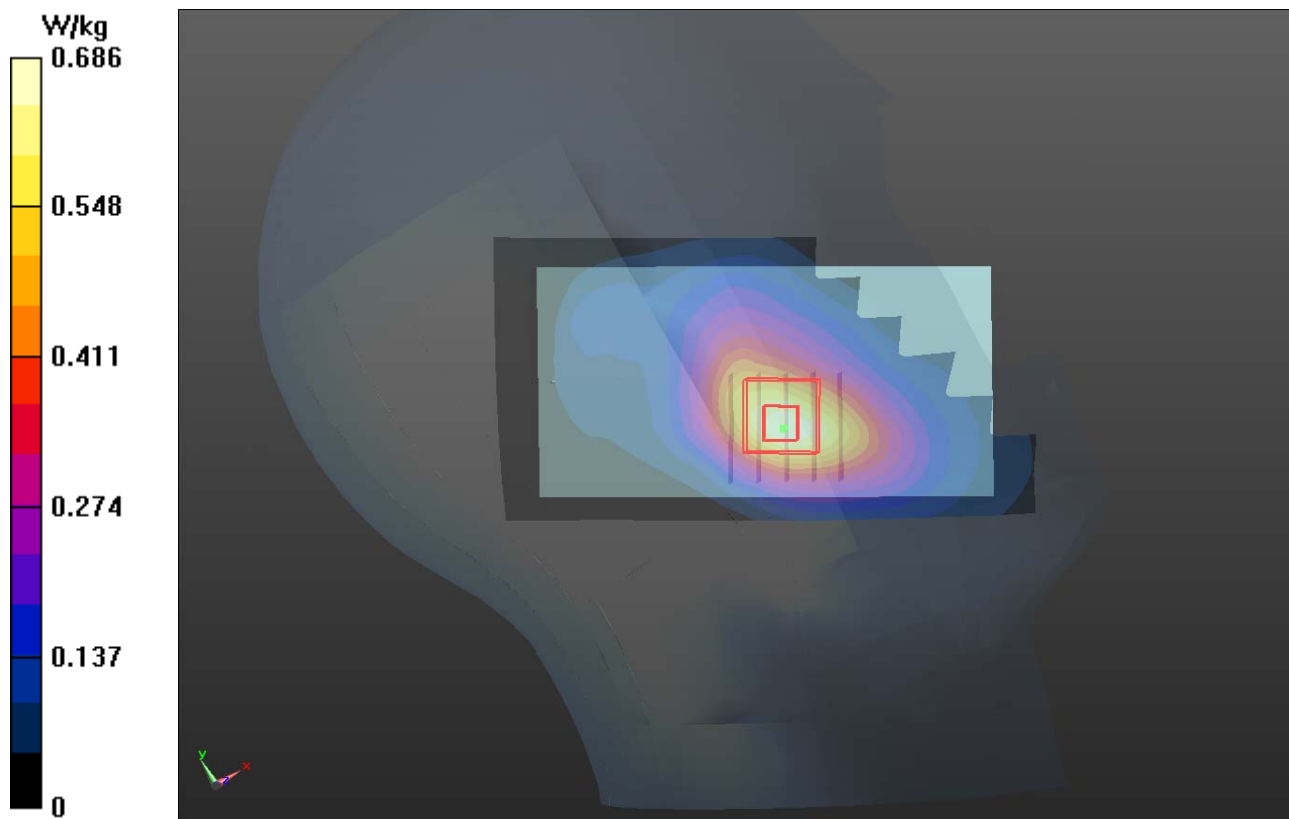
**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.494 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.788 W/kg

**SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.336 W/kg**

Maximum value of SAR (measured) = 0.672 W/kg



### P03 CDMA2000\_BC0\_RC3+SO55\_Left Cheek\_Ch777\_ANT-1

**DUT: 130502C16**

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

Medium: H835\_0522 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.898$  S/m;  $\epsilon_r = 42.119$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.8, 9.8, 9.8); Calibrated: 2012/07/19;
- 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 (4); SEMCAD X Version 14.6.8 (7028)

**Ch777/Area Scan (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.397 W/kg

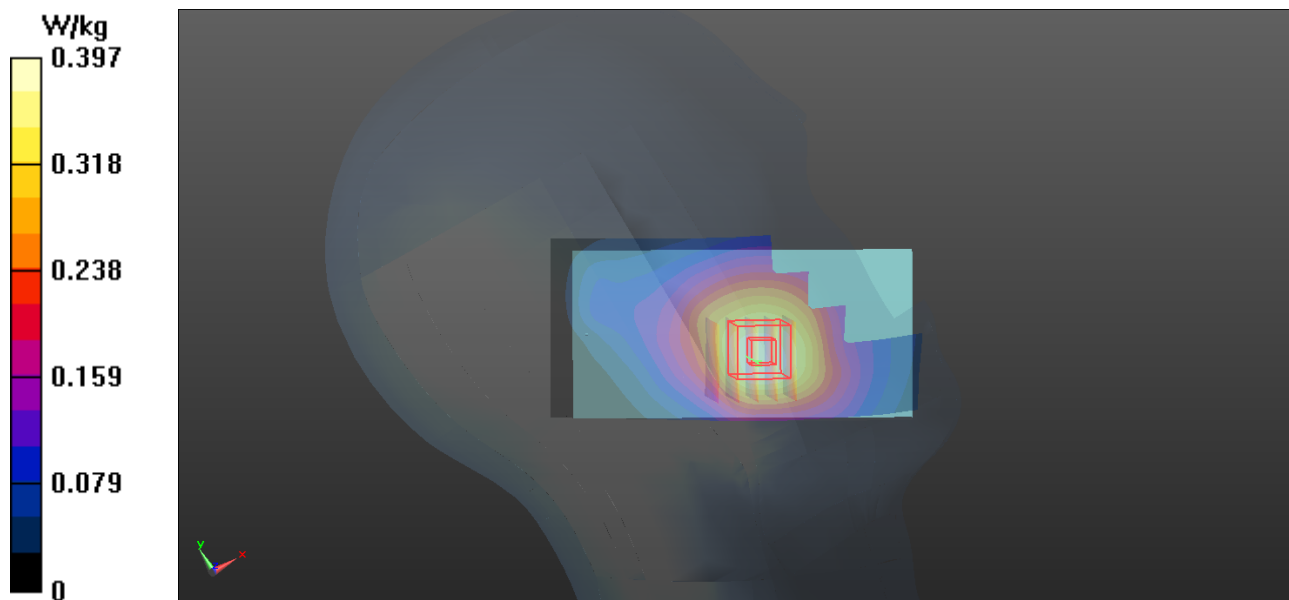
**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.434 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.430 W/kg

**SAR(1 g) = 0.347 W/kg; SAR(10 g) = 0.264 W/kg**

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



### P04 CDMA2000 BC1\_RC3+SO55\_Right Cheek\_Ch1175\_ANT-1

**DUT: 130502C16**

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

Medium: H1900\_0524 Medium parameters used:  $f = 1908.8$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 39.05$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.42, 7.42, 7.42); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch1175/Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.33 W/kg

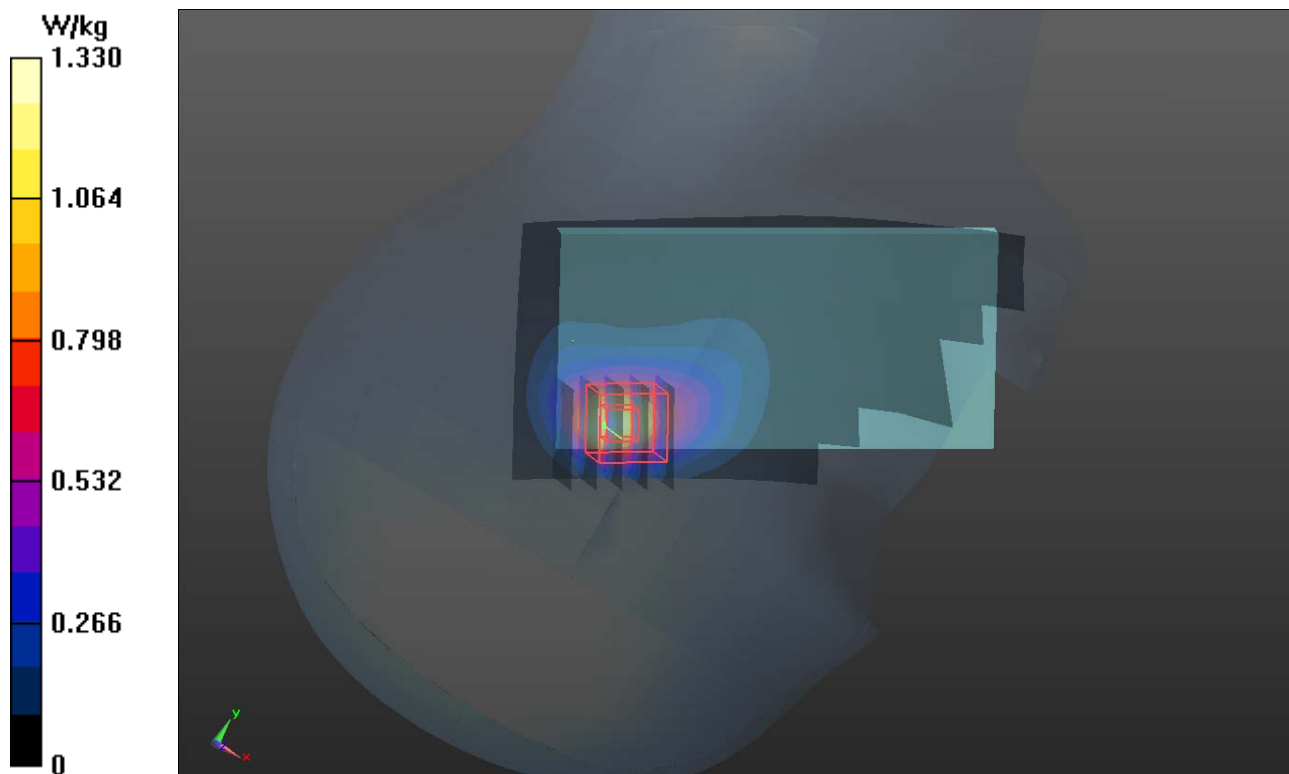
**Ch1175/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.595 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.56 W/kg

**SAR(1 g) = 0.837 W/kg; SAR(10 g) = 0.434 W/kg**

Maximum value of SAR (measured) = 1.18 W/kg



### P05 LTE13\_QPSK\_10M\_Right Cheek\_Ch23230\_1 RB\_OS24\_ANT-1

#### DUT: 130502C16

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

Medium: H750\_0525 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.905$  S/m;  $\epsilon_r = 41.078$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(9.09, 9.09, 9.09); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: SAM Phantom\_Right; Type: QD000P40CC; Serial: TP:1496
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch23230/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.571 W/kg

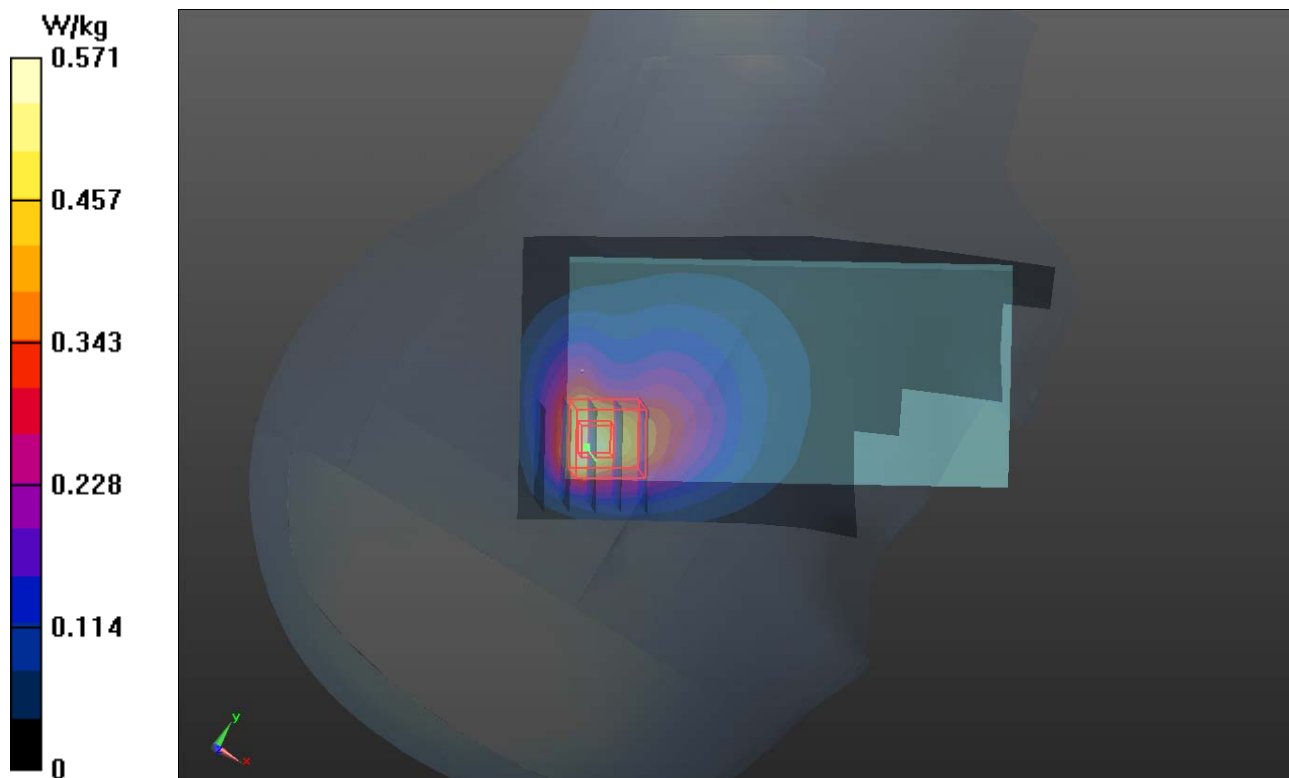
**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 15.766 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.910 W/kg

**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.231 W/kg**

Maximum value of SAR (measured) = 0.610 W/kg



## P06 802.11b\_Left Cheek\_Ch11

### DUT: 130502C16

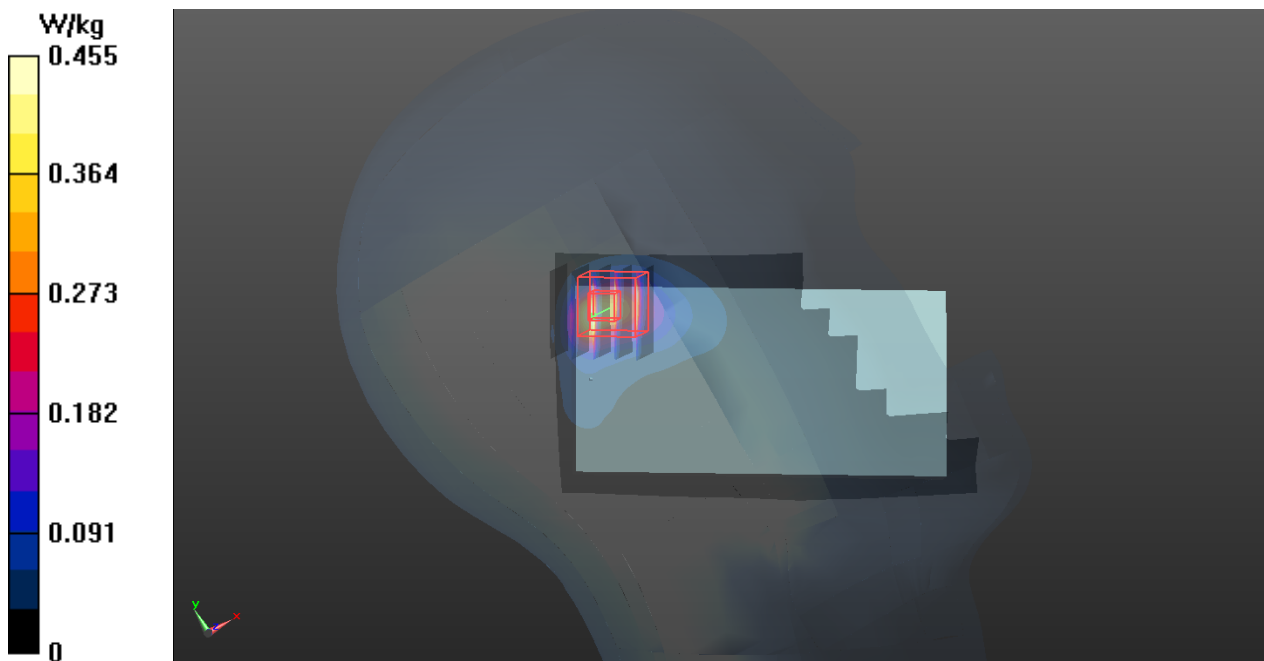
Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: H2450\_0526 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.83$  S/m;  $\epsilon_r = 39.047$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.7 °C; Liquid Temperature : 20.5 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.88, 7.88, 7.88); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1202
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch11/Area Scan (91x151x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.455 W/kg

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 6.062 V/m; Power Drift = 0.19 dB  
Peak SAR (extrapolated) = 1.60 W/kg  
**SAR(1 g) = 0.453 W/kg; SAR(10 g) = 0.166 W/kg**  
Maximum value of SAR (measured) = 0.742 W/kg



## P07 802.11a\_Right Tilted\_Ch48

**DUT: 130502C16**

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

Medium: H5G\_0524 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.84$  S/m;  $\epsilon_r = 35.513$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.1 °C; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.2, 5.2, 5.2); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch48/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0662 W/kg

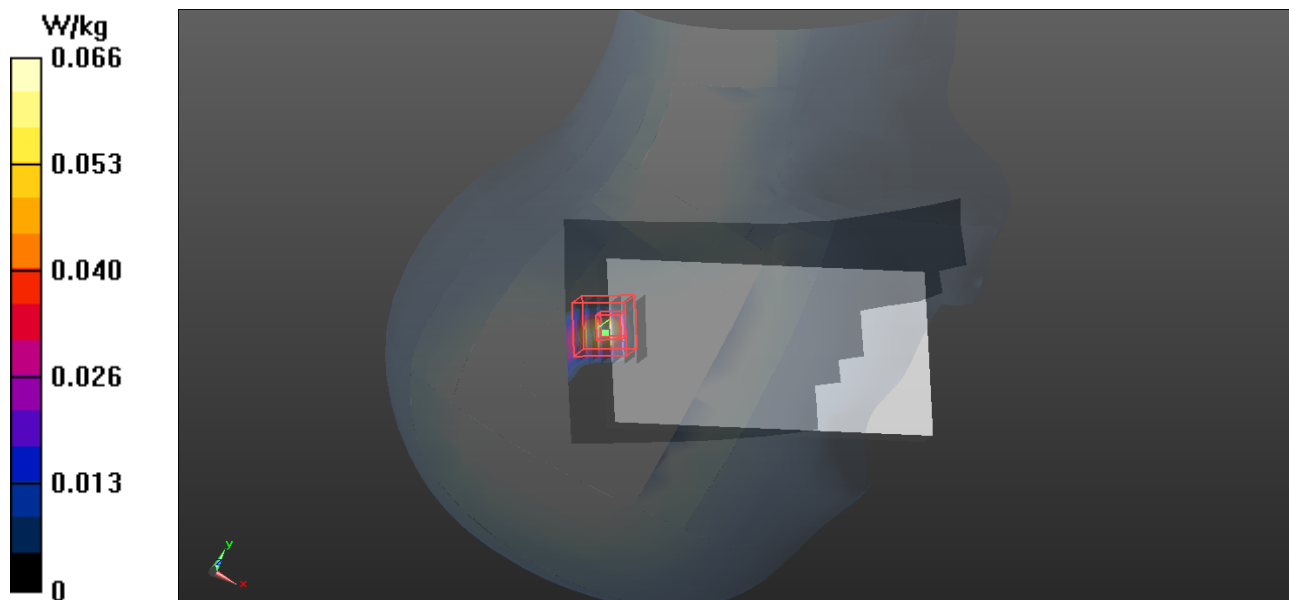
**Ch48/Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.166 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.229 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00723 W/kg**

Maximum value of SAR (measured) = 0.0545 W/kg





### P08 802.11a\_Right Tilted\_Ch64

**DUT: 130502C16**

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

Medium: H5G\_0524 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.928$  S/m;  $\epsilon_r = 35.397$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.07, 5.07, 5.07); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch64/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

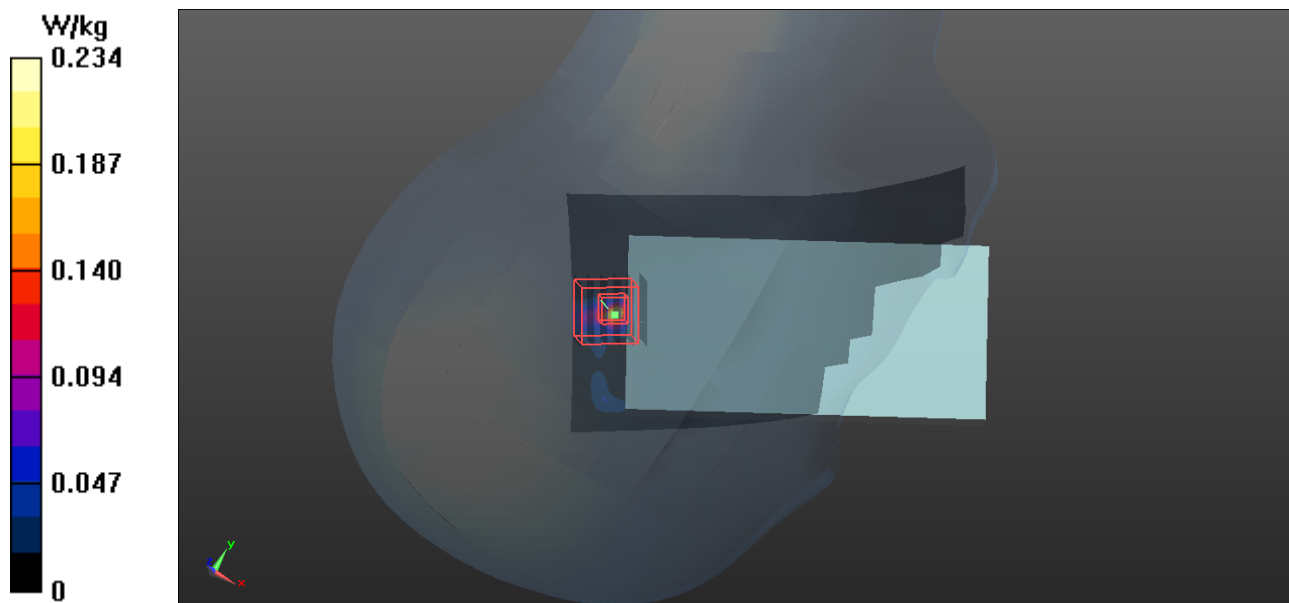
**Ch64/Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.482 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 0.262 W/kg

**SAR(1 g) = 0.038 W/kg; SAR(10 g) = 0.011 W/kg**

Maximum value of SAR (measured) = 0.0836 W/kg



## P09 802.11a\_Left Tilted\_Ch140

**DUT: 130502C16**

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

Medium: H5G\_0523 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 5.349$  S/m;  $\epsilon_r = 34.676$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.56, 4.56, 4.56); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch140/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

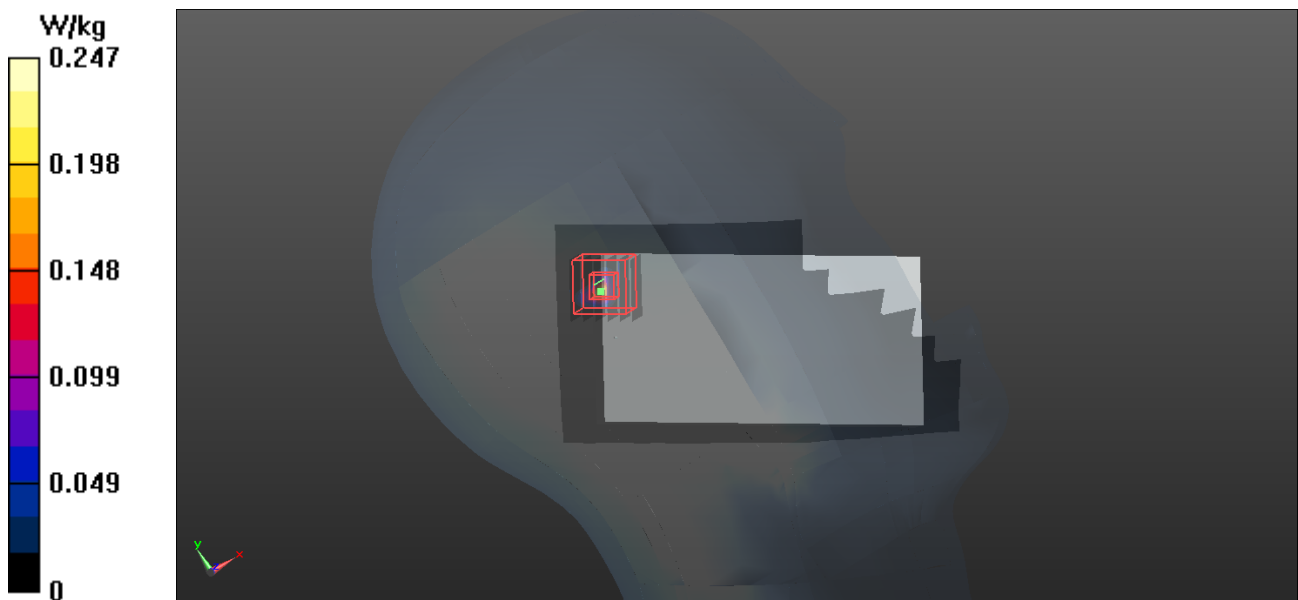
**Ch140/Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.237 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.00986 W/kg**

Maximum value of SAR (measured) = 0.0930 W/kg



## P10 802.11a\_Left Tilted\_Ch157

### DUT: 130502C16

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

Medium: H5G\_0525 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 - SN3590; ConvF(4.92, 4.92, 4.92); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch157/Area Scan (91x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

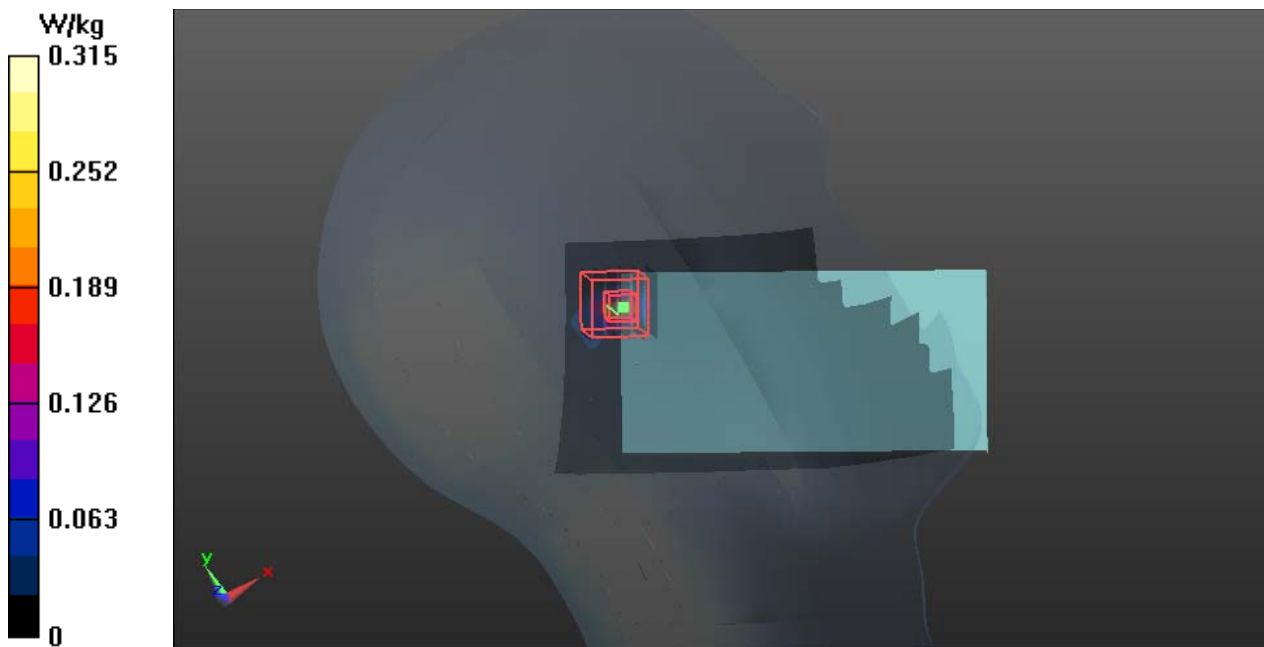
**Ch157/Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.248 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.317 W/kg

**SAR(1 g) = 0.071 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.169 W/kg



### P11 GSM850\_GPRS12\_Rear Face\_1cm\_Ch189\_ANT-0

**DUT: 130502C16**

Communication System: GPRS12; Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: B835\_0525 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.974$  S/m;  $\epsilon_r = 54.279$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.6 °C ; Liquid Temperature : 20.5 °C

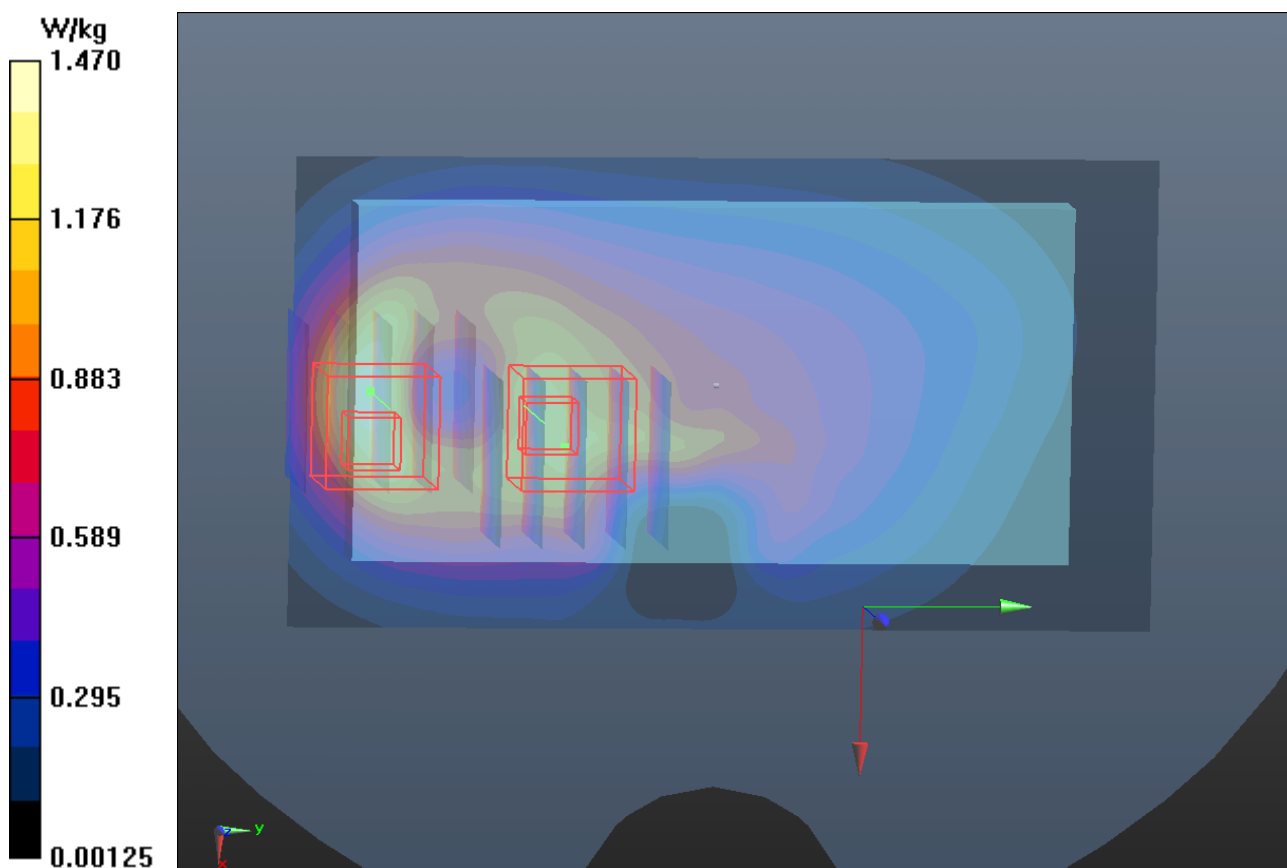
DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(8.82, 8.82, 8.82); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- 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)

**Ch189/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.47 W/kg

**Ch189/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 27.727 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.70 W/kg  
**SAR(1 g) = 1.01 W/kg; SAR(10 g) = 0.572 W/kg**  
Maximum value of SAR (measured) = 1.47 W/kg

**Ch189/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 27.727 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.37 W/kg  
**SAR(1 g) = 0.981 W/kg; SAR(10 g) = 0.689 W/kg**  
Maximum value of SAR (measured) = 1.16 W/kg



### P12 GSM1900\_GPRS12\_Rear Face\_1cm\_Ch512\_ANT-0

**DUT: 130502C16**

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

Medium: B1900\_0525 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.509$  S/m;  $\epsilon_r = 52.622$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

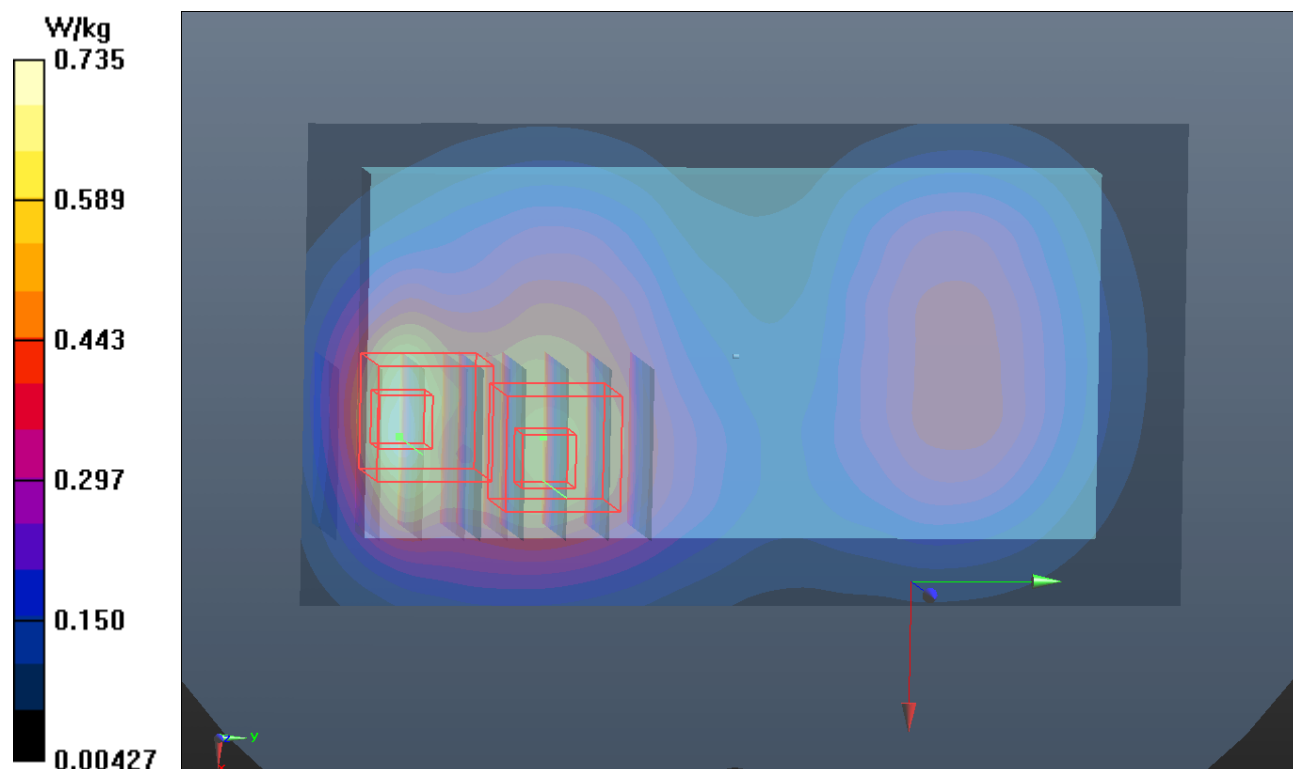
DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(7.13, 7.13, 7.13); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- 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)

**Ch512/Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.735 W/kg

**Ch512/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.329 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 0.847 W/kg  
**SAR(1 g) = 0.482 W/kg; SAR(10 g) = 0.272 W/kg**  
Maximum value of SAR (measured) = 0.675 W/kg

**Ch512/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.329 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 0.696 W/kg  
**SAR(1 g) = 0.463 W/kg; SAR(10 g) = 0.296 W/kg**  
Maximum value of SAR (measured) = 0.581 W/kg



### P13 CDMA2000 BC0\_RC3+SO32\_Rear Face\_1cm\_Ch777\_ANT-0

**DUT: 130502C16**

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

Medium: B835\_0524 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.988$  S/m;  $\epsilon_r = 53.932$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

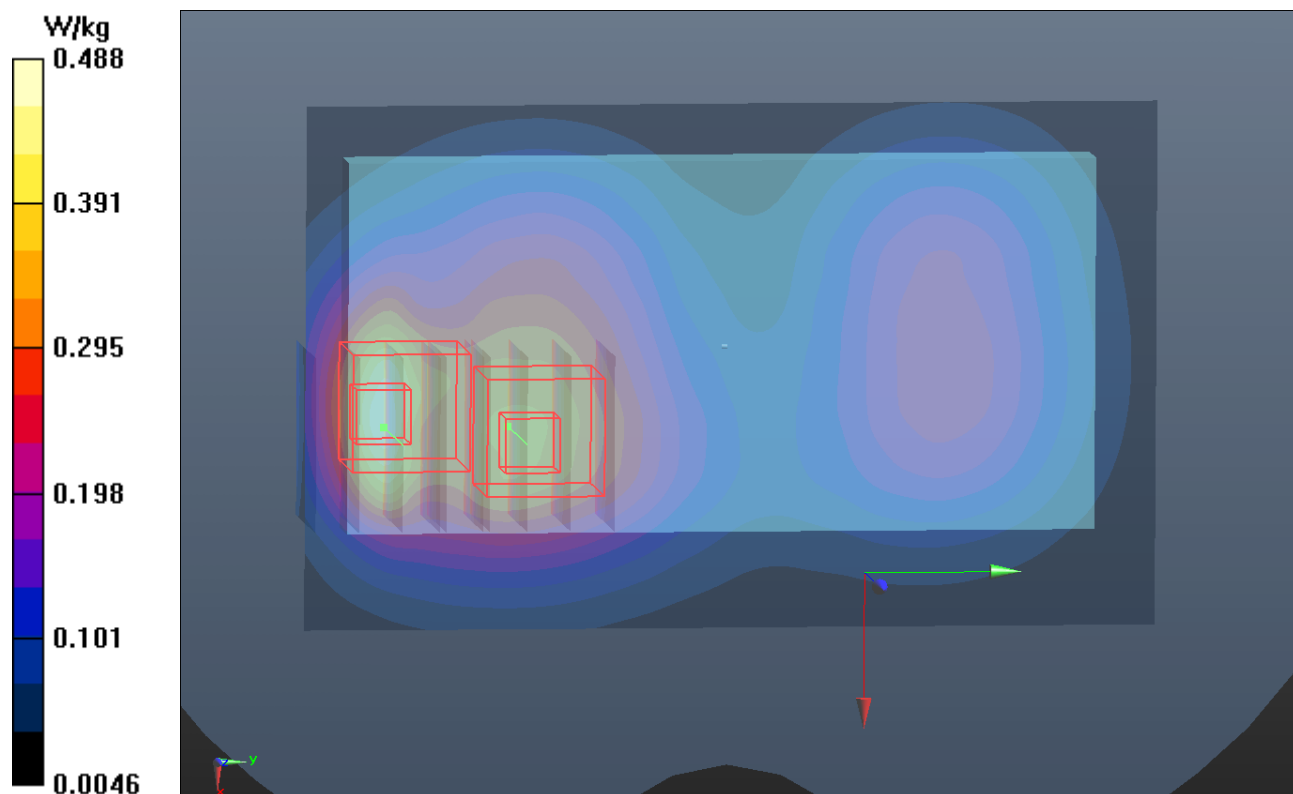
DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(8.82, 8.82, 8.82); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- 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)

**Ch777/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.488 W/kg

**Ch777/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.364 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.646 W/kg  
**SAR(1 g) = 0.308 W/kg; SAR(10 g) = 0.156 W/kg**  
Maximum value of SAR (measured) = 0.471 W/kg

**Ch777/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 9.364 V/m; Power Drift = -0.02 dB  
Peak SAR (extrapolated) = 0.490 W/kg  
**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.157 W/kg**  
Maximum value of SAR (measured) = 0.371 W/kg



### P14 CDMA2000 BC1\_RC3+SO32\_Rear Face\_1cm\_Ch25\_ANT-0

#### DUT: 130502C16

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

Medium: B1900\_0523 Medium parameters used:  $f = 1851.25$  MHz;  $\sigma = 1.472$  S/m;  $\epsilon_r = 53.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.88, 7.88, 7.88); Calibrated: 2012/07/19;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch25/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.897 W/kg

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

Reference Value = 10.642 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 1.09 W/kg

**SAR(1 g) = 0.619 W/kg; SAR(10 g) = 0.343 W/kg**

Maximum value of SAR (measured) = 0.853 W/kg

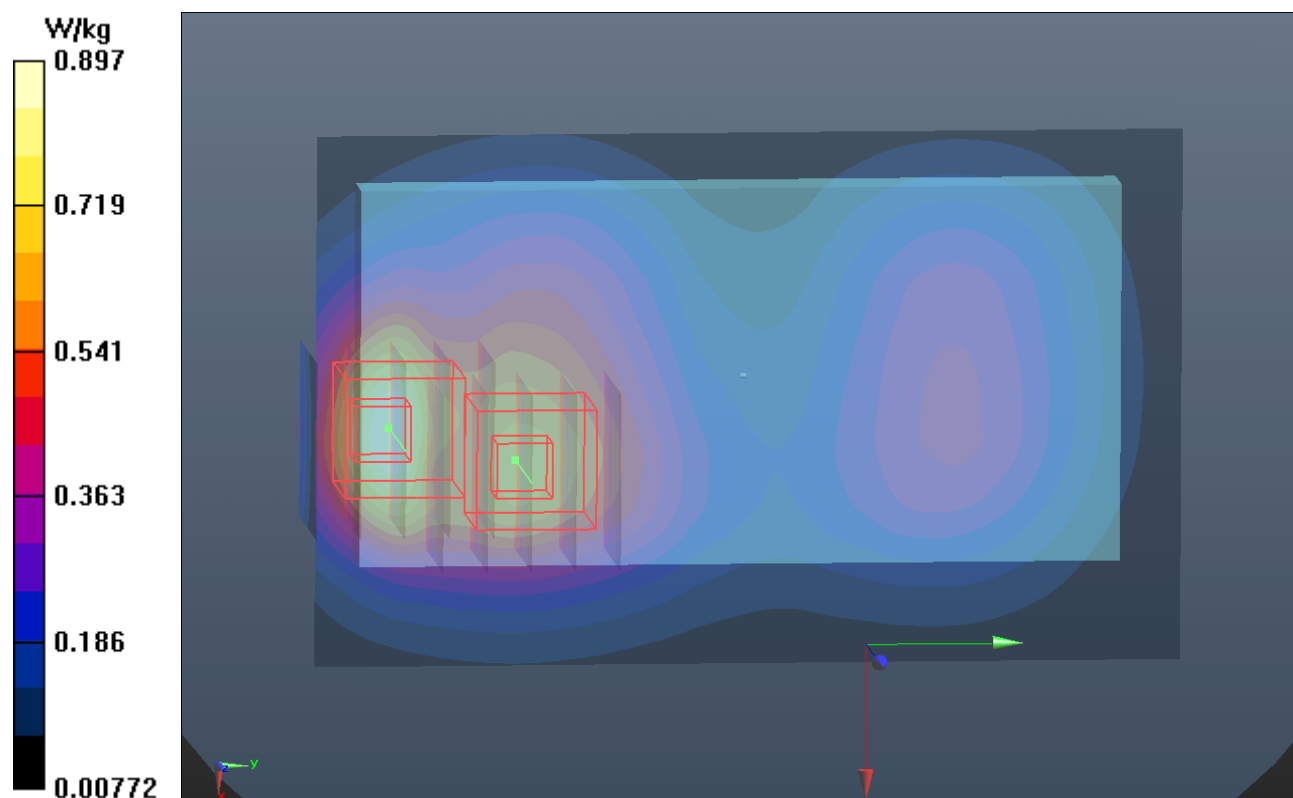
**Ch25/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.642 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.844 W/kg

**SAR(1 g) = 0.551 W/kg; SAR(10 g) = 0.347 W/kg**

Maximum value of SAR (measured) = 0.711 W/kg



### P15 LTE 13\_QPSK\_10M\_Rear Face\_1cm\_Ch23230\_1RB\_OS24\_ANT-0

#### DUT: 130502C16

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

Medium: B750\_0525 Medium parameters used:  $f = 782$  MHz;  $\sigma = 0.992$  S/m;  $\epsilon_r = 54.935$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(9, 9, 9); Calibrated: 2012/06/22;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- 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)

**Ch23230/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.602 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.155 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.748 W/kg

**SAR(1 g) = 0.428 W/kg; SAR(10 g) = 0.245 W/kg**

Maximum value of SAR (measured) = 0.595 W/kg

**Ch23230/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.155 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.280 W/kg**

Maximum value of SAR (measured) = 0.468 W/kg

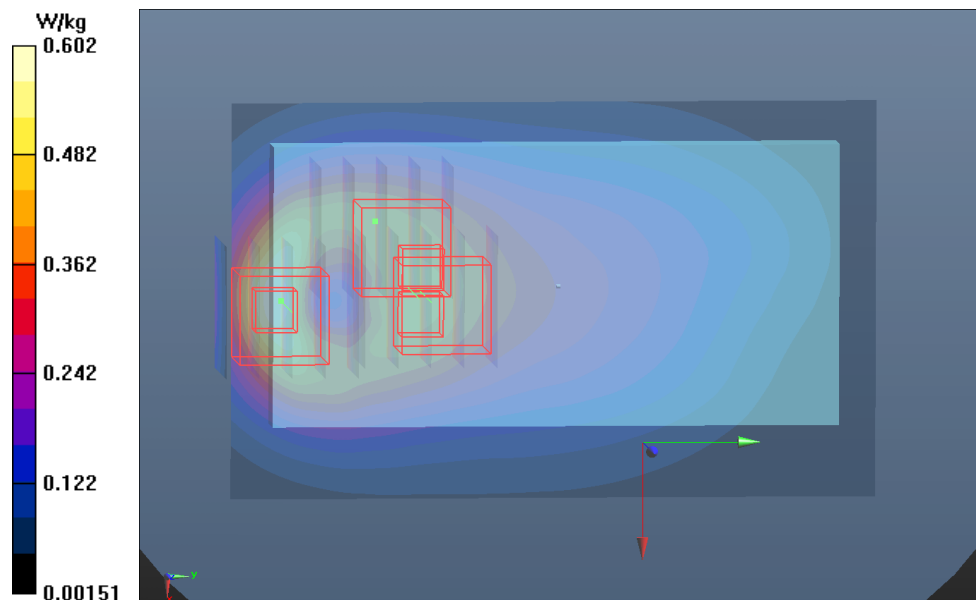
**Ch23230/Zoom Scan (5x5x7)/Cube 2:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.155 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.640 W/kg

**SAR(1 g) = 0.386 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 0.486 W/kg





## P16 802.11b\_Front Face\_1cm\_Ch11

### DUT: 130502C16

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1  
Medium: B2450\_0526 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.001$  S/m;  $\epsilon_r = 51.39$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.6 °C; Liquid Temperature : 20.5 °C

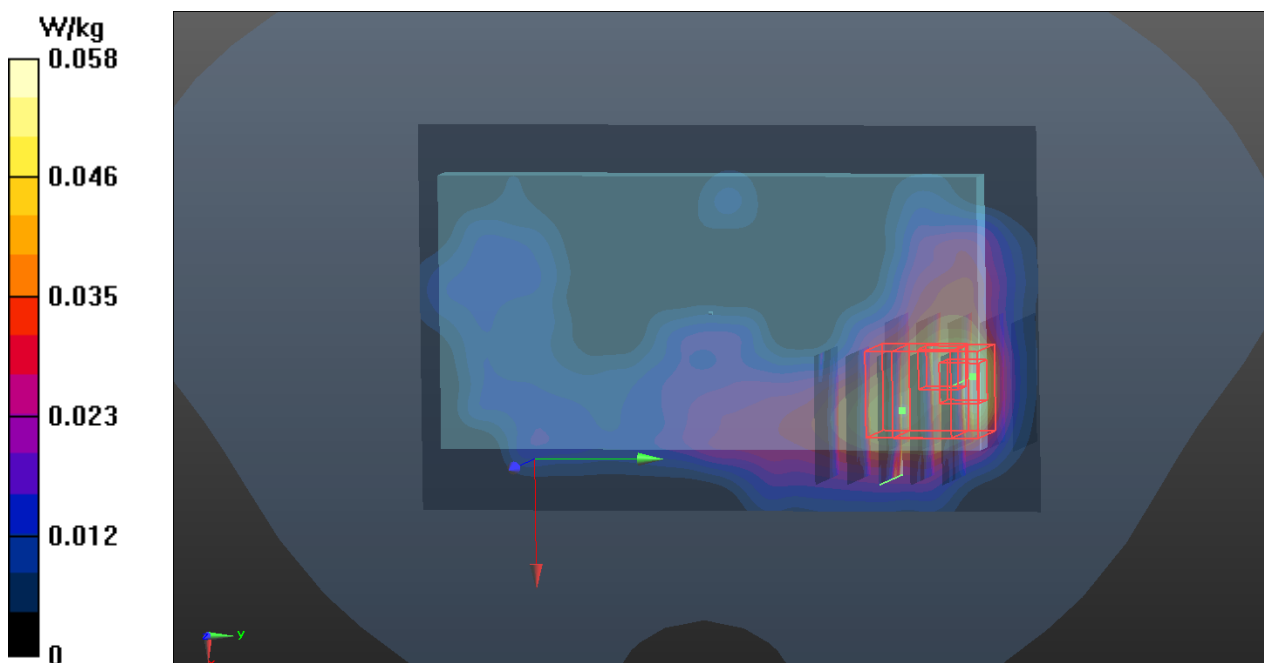
#### DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.08, 8.08, 8.08); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch11/Area Scan (81x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0579 W/kg

**Ch11/Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.801 V/m; Power Drift = 0.18 dB  
Peak SAR (extrapolated) = 0.0880 W/kg  
**SAR(1 g) = 0.041 W/kg; SAR(10 g) = 0.018 W/kg**  
Maximum value of SAR (measured) = 0.0655 W/kg

**Ch11/Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 1.801 V/m; Power Drift = 0.18 dB  
Peak SAR (extrapolated) = 0.152 W/kg  
**SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.00386 W/kg**  
Maximum value of SAR (measured) = 0.100 W/kg



### P17 802.11a\_Rear Face\_1cm\_Ch48

**DUT: 130502C16**

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

Medium: B5G\_0528 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.393$  S/m;  $\epsilon_r = 47.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.51, 4.51, 4.51); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch48/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.000327 W/kg

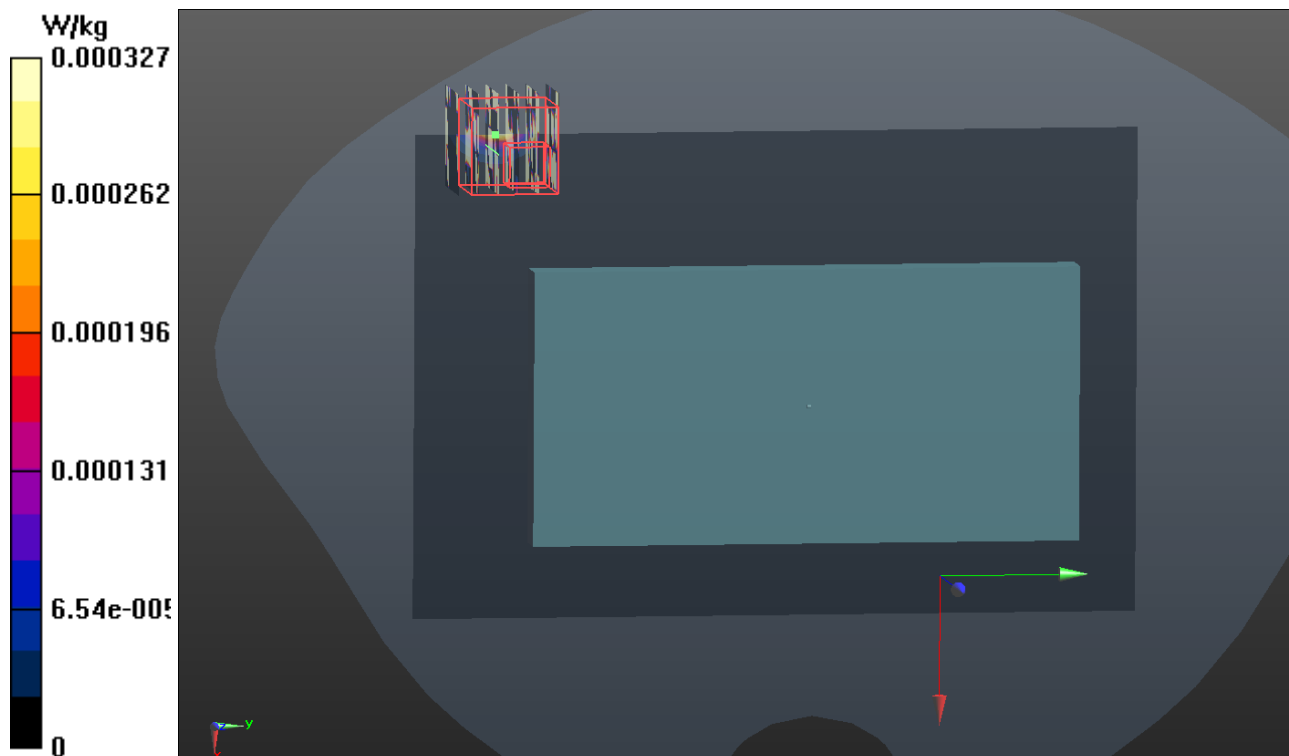
**Ch48/Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.00581 W/kg

**SAR(1 g) = 6.68e-005 W/kg; SAR(10 g) = 8.42e-006 W/kg**

Maximum value of SAR (measured) = 0.00616 W/kg



## P18 802.11a\_Front Face\_1cm\_Ch64

**DUT: 130502C16**

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

Medium: B5G\_0528 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.51$  S/m;  $\epsilon_r = 47.414$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.31, 4.31, 4.31); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch64/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0301 W/kg

**Ch64/Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.494 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.0083 W/kg; SAR(10 g) = 0.00102 W/kg**

Maximum value of SAR (measured) = 0.0339 W/kg

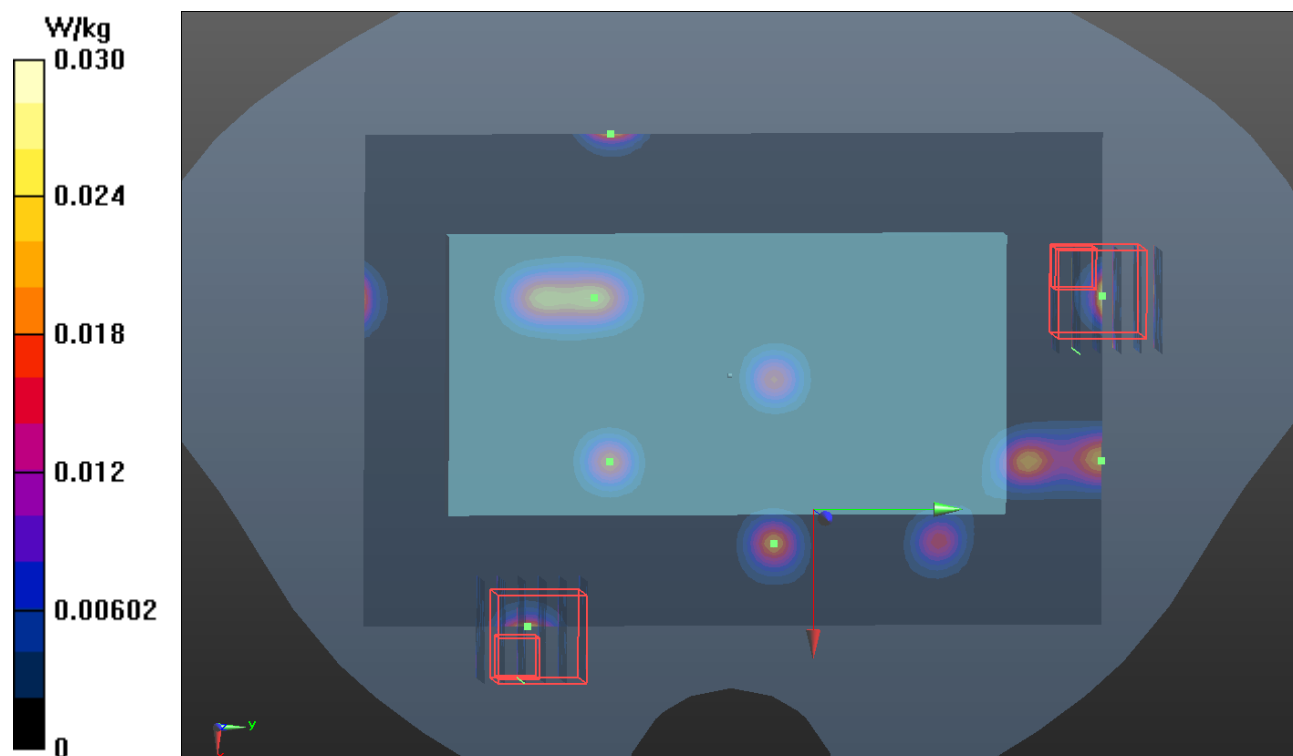
**Ch64/Zoom Scan (6x6x12)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 1.494 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.0420 W/kg

**SAR(1 g) = 0.00045 W/kg; SAR(10 g) = 8.3e-005 W/kg**

Maximum value of SAR (measured) = 0.0177 W/kg



### P19 802.11a\_Front Face\_1cm\_Ch140

**DUT: 130502C16**

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

Medium: B5G\_0528 Medium parameters used:  $f = 5700$  MHz;  $\sigma = 6.03$  S/m;  $\epsilon_r = 46.641$ ;  $\rho = 1000$  kg/m<sup>3</sup>

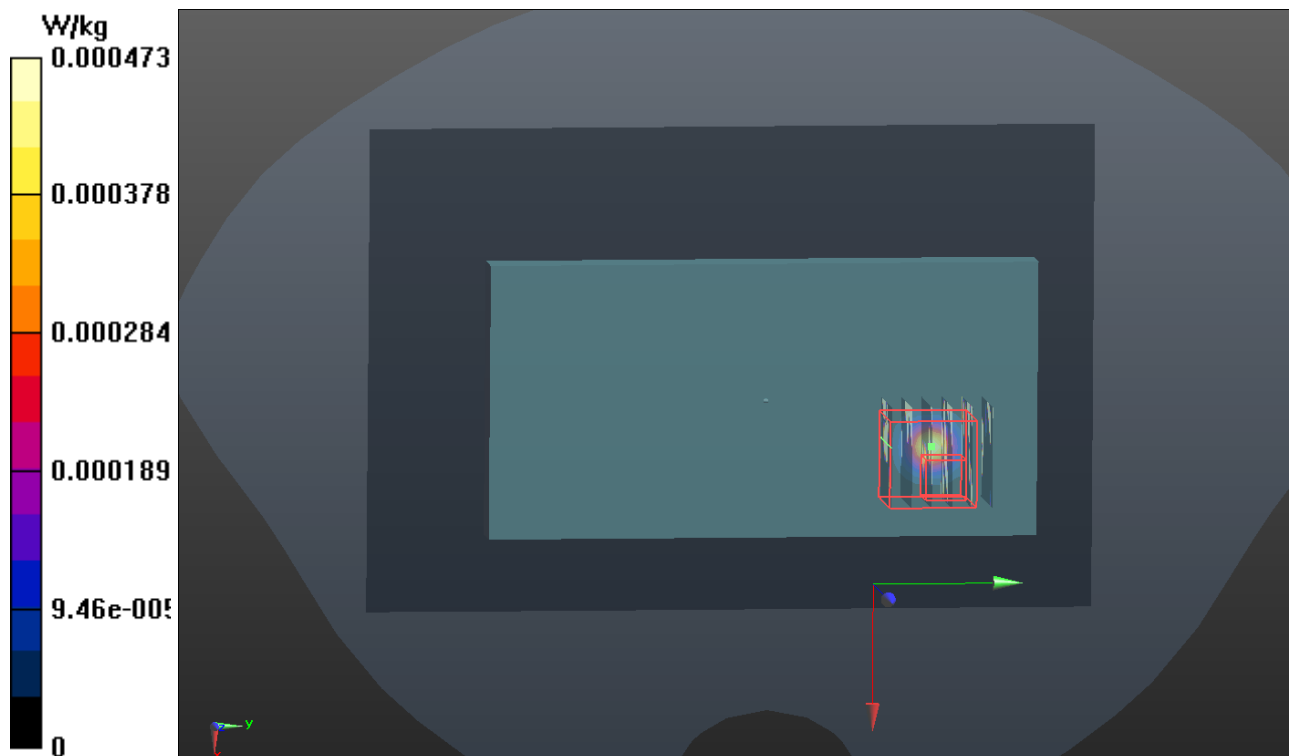
Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4, 4, 4); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch140/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.000473 W/kg

**Ch140/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) = 0.00308 W/kg  
**SAR(1 g) = 3.21e-005 W/kg; SAR(10 g) = 4.13e-006 W/kg**  
Maximum value of SAR (measured) = 0.00536 W/kg



### P20 802.11a\_Front Face\_1cm\_Ch157

**DUT: 130502C16**

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

Medium: B5G\_0528 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.159$  S/m;  $\epsilon_r = 46.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C ; Liquid Temperature : 20.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(4.21, 4.21, 4.21); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2012/07/19
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (4); SEMCAD X Version 14.6.8 (7028)

**Ch157/Area Scan (121x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.000263 W/kg

**Ch157/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) = 0.000781 W/kg  
**SAR(1 g) = 4.39e-006 W/kg; SAR(10 g) = 4.41e-007 W/kg**  
Maximum value of SAR (measured) = 0.0106 W/kg

