



## **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\_Left Cheek\_Ch128

**DUT: 140303C07**

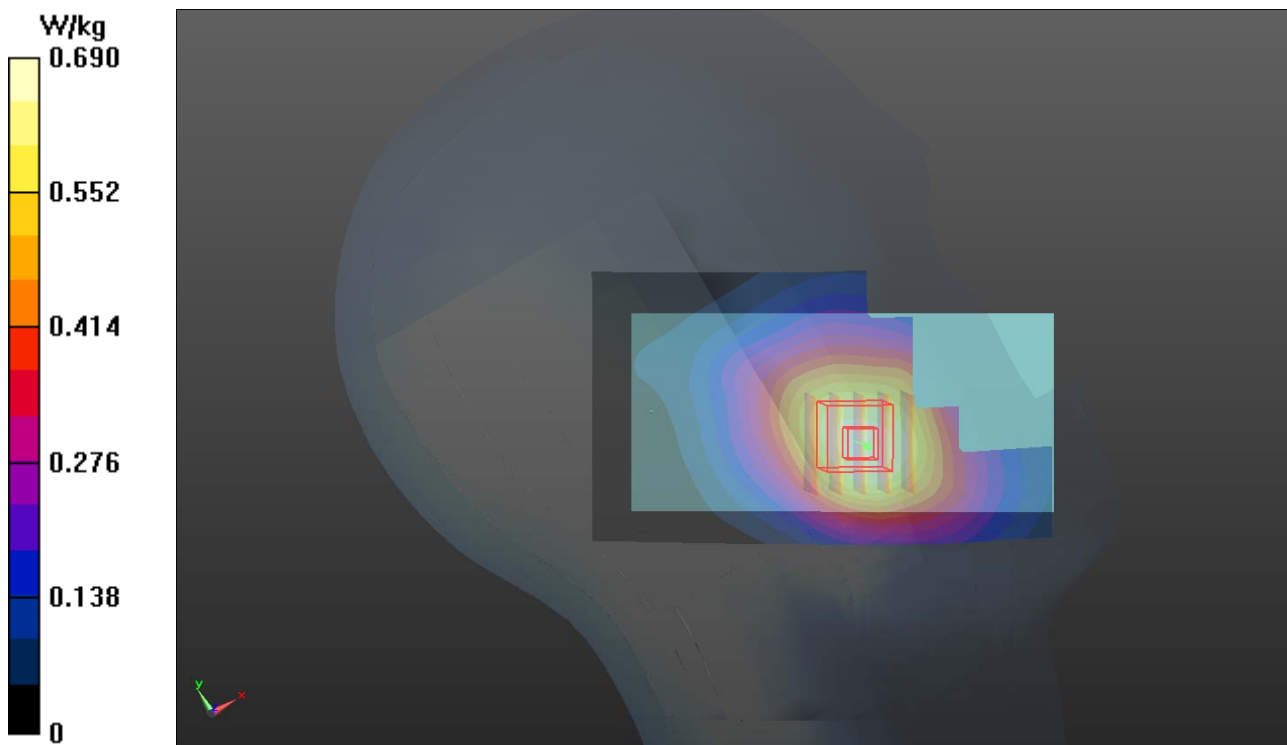
Communication System: GPRS12; Frequency: 824.2 MHz; Duty Cycle: 1:2  
Medium: H835\_0325 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.909$  S/m;  $\epsilon_r = 41.74$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.5°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1202
- 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) = 0.690 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 7.203 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.753 W/kg  
**SAR(1 g) = 0.611 W/kg; SAR(10 g) = 0.471 W/kg**  
Maximum value of SAR (measured) = 0.689 W/kg



## P02 GSM1900\_GPRS 12\_Left Cheek\_Ch512

**DUT: 140303C07**

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

Medium: H1900\_0329 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.356$  S/m;  $\epsilon_r = 39.207$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2°C; Liquid Temperature : 20.3 °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 (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) = 0.674 W/kg

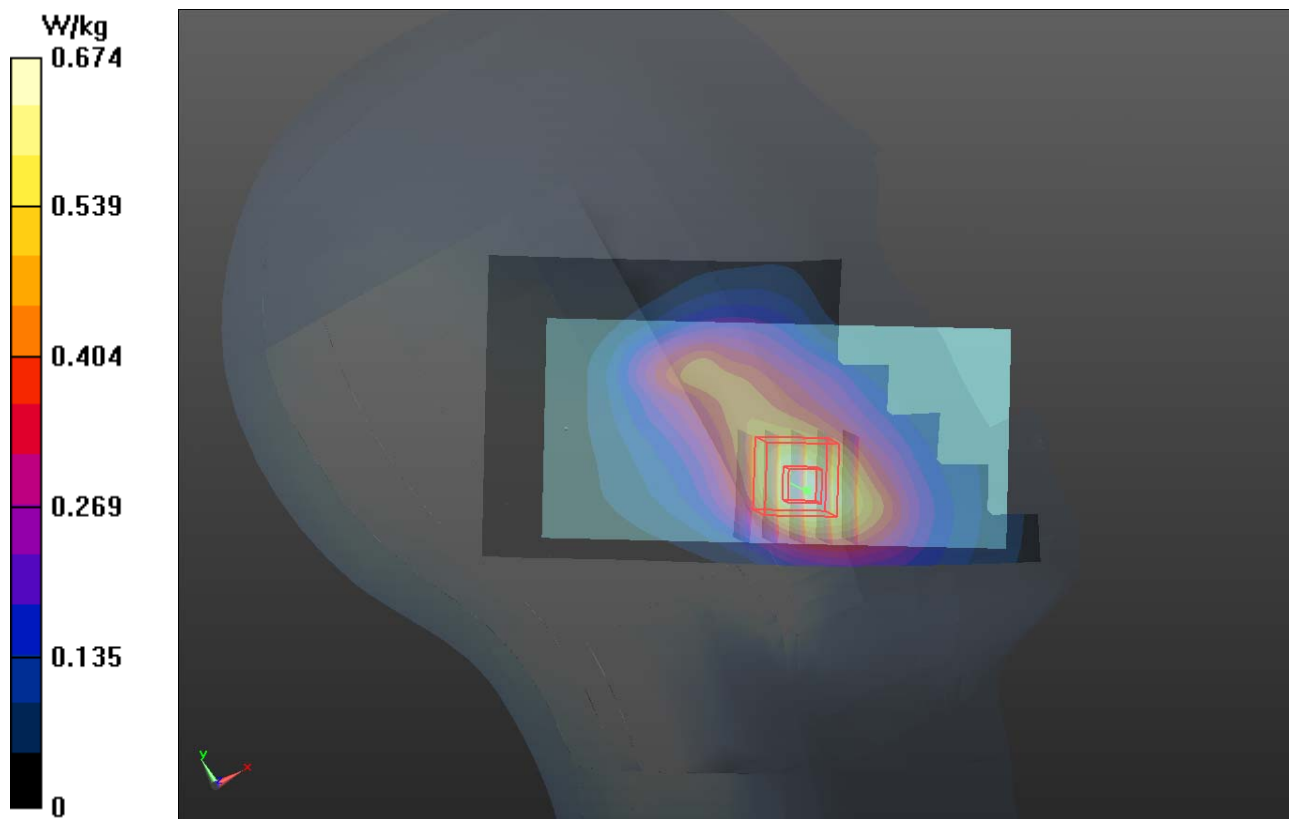
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.742 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.767 W/kg

**SAR(1 g) = 0.530 W/kg; SAR(10 g) = 0.344 W/kg**

Maximum value of SAR (measured) = 0.663 W/kg



### P03 WCDMA II\_RMC12.2K\_Left Cheek\_Ch9538

**DUT: 140303C07**

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

Medium: H1900\_0329 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.418$  S/m;  $\epsilon_r = 38.954$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2°C; Liquid Temperature : 20.3 °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 (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) = 0.883 W/kg

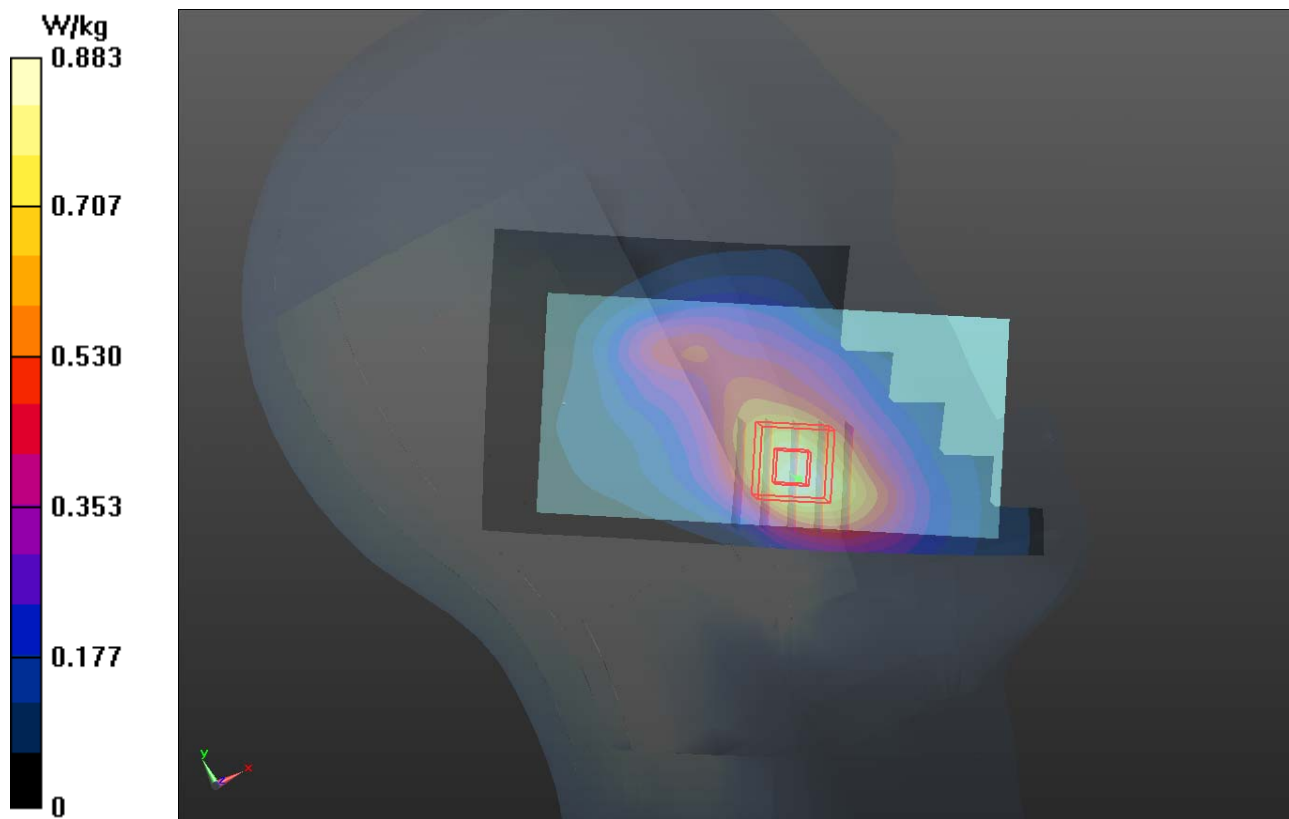
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.891 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.994 W/kg

**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.440 W/kg**

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



## P04 WCDMA V\_RMC12.2K\_Left Cheek\_Ch4132

**DUT: 140303C07**

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

Medium: H835\_0325 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.911$  S/m;  $\epsilon_r = 41.711$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1202
- 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) = 0.376 W/kg

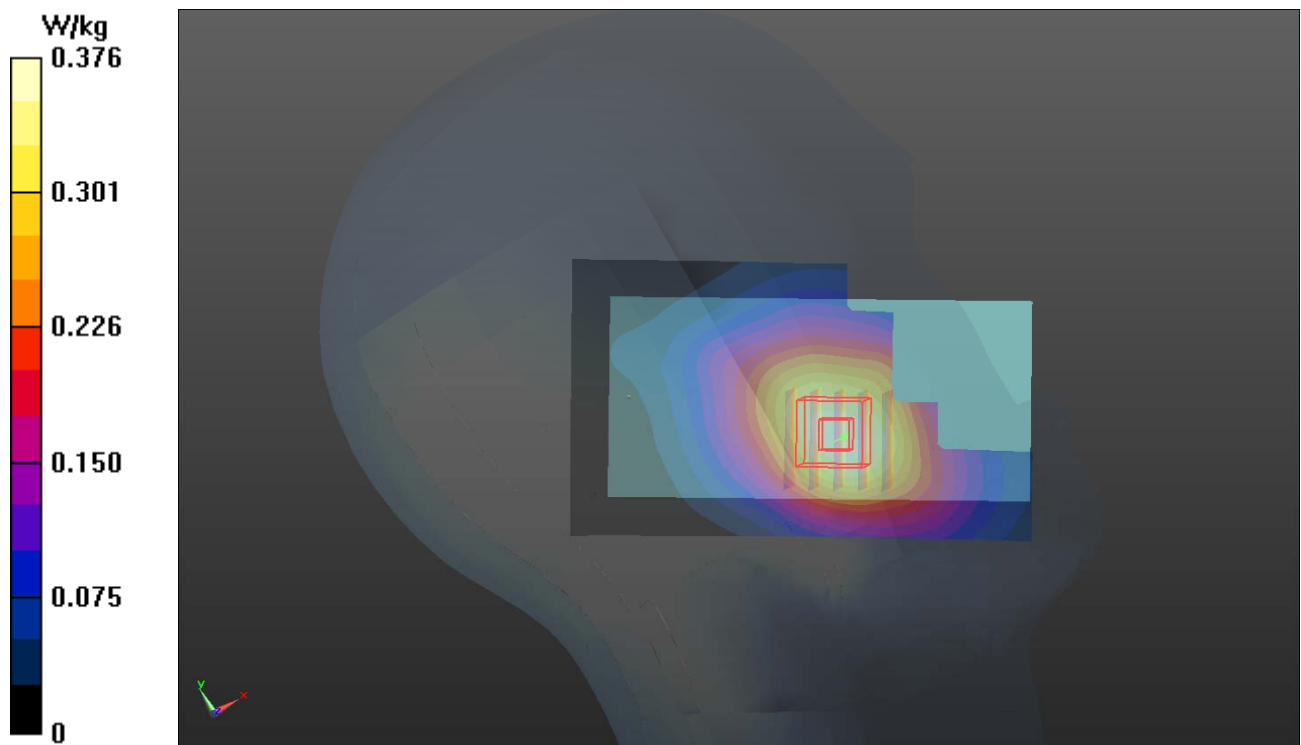
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.466 V/m; Power Drift = -0.09 dB

Peak SAR (extrapolated) = 0.409 W/kg

**SAR(1 g) = 0.331 W/kg; SAR(10 g) = 0.255 W/kg**

Maximum value of SAR (measured) = 0.373 W/kg



### P05 CDMA2000 BC0\_RC3+SO55\_Left Cheek\_Ch1013

**DUT: 140303C07**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1

Medium: H835\_0325 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.91$  S/m;  $\epsilon_r = 41.73$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5°C; Liquid Temperature : 21.2°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1202
- 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) = 0.475 W/kg

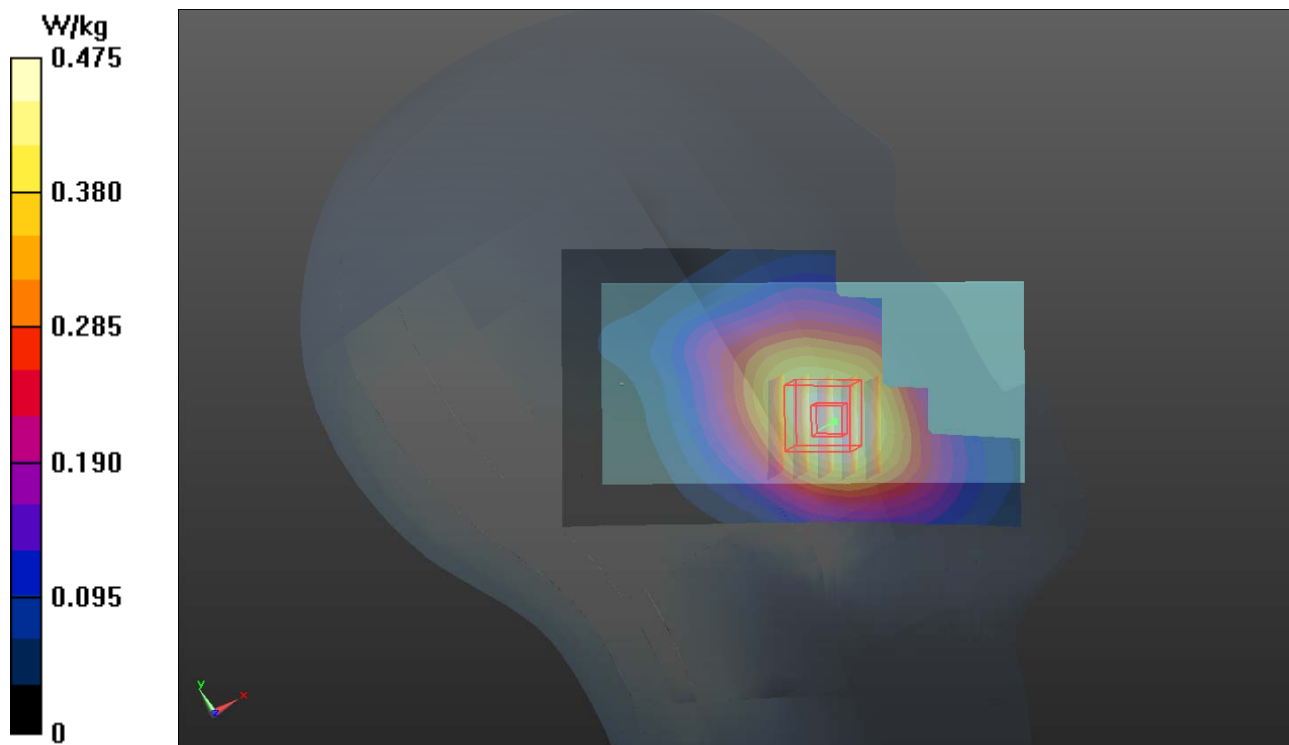
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.642 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.513 W/kg

**SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.321 W/kg**

Maximum value of SAR (measured) = 0.472 W/kg



## P06 CDMA2000 BC1\_RC3+SO55\_Left Cheek\_Ch1175

**DUT: 140303C07**

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

Medium: H1900\_0329 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.419$  S/m;  $\epsilon_r = 38.95$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2°C; Liquid Temperature : 20.3 °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 (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) = 1.11 W/kg

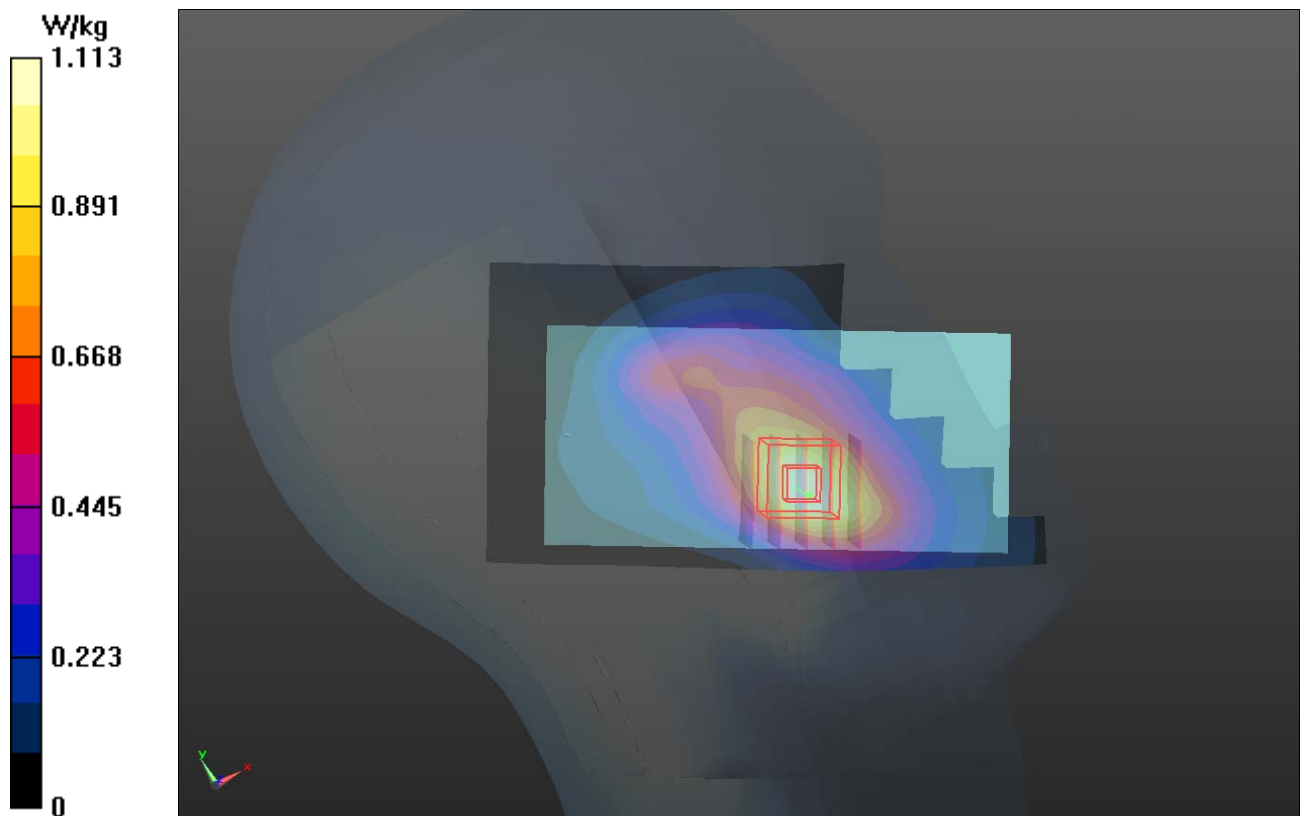
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.836 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.29 W/kg

**SAR(1 g) = 0.866 W/kg; SAR(10 g) = 0.554 W/kg**

Maximum value of SAR (measured) = 1.09 W/kg



### P07 LTE 4\_QPSK20M\_Left Cheek\_Ch20300\_Ant 0\_1RB\_Offset 50

**DUT: 140303C07**

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

Medium: H1750\_0404 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.373$  S/m;  $\epsilon_r = 40.042$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.9 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.92, 8.92, 8.92); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: QD000P40CD; 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 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.495 W/kg

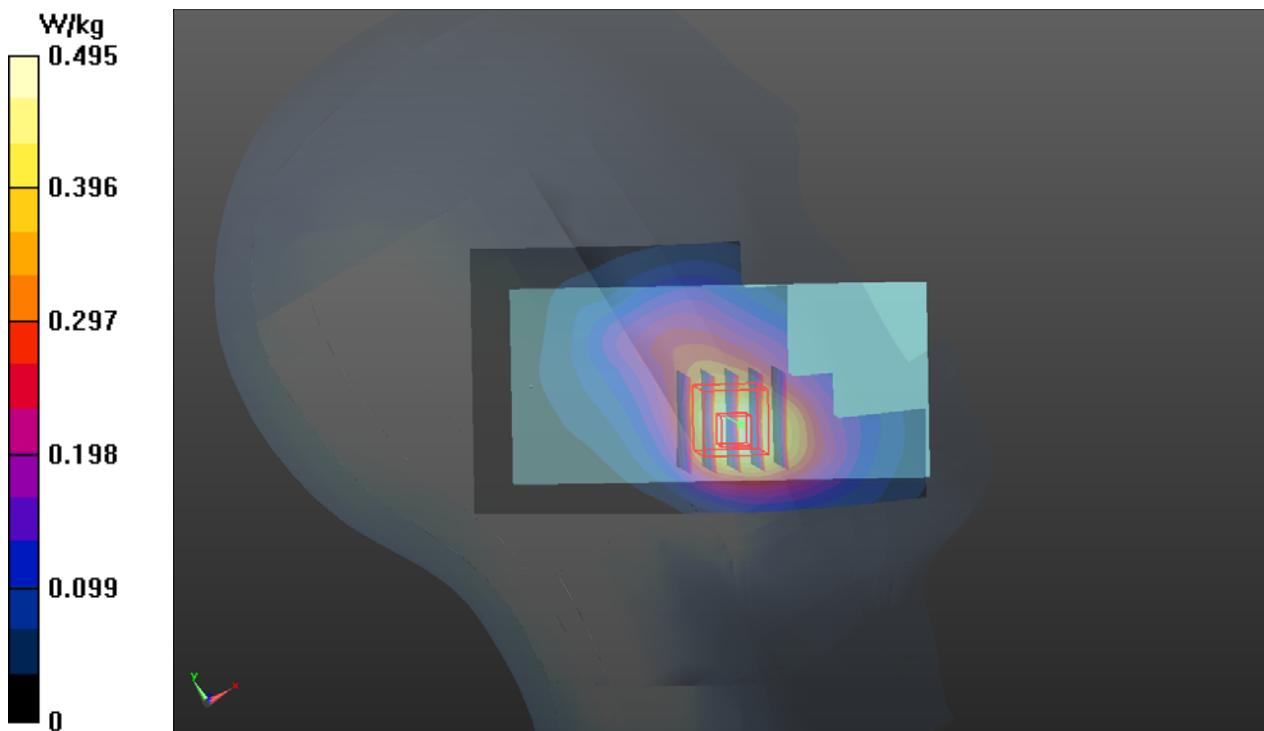
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.066 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.592 W/kg

**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.268 W/kg**

Maximum value of SAR (measured) = 0.497 W/kg





### P08 LTE 7\_QPSK20M\_Left Cheek\_Ch21100\_Ant 0\_1RB\_Offset 99

**DUT: 140303C07**

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

Medium: H2600\_0404 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.973$  S/m;  $\epsilon_r = 38.013$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6°C; Liquid Temperature : 20.9 °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 (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 1.04 W/kg

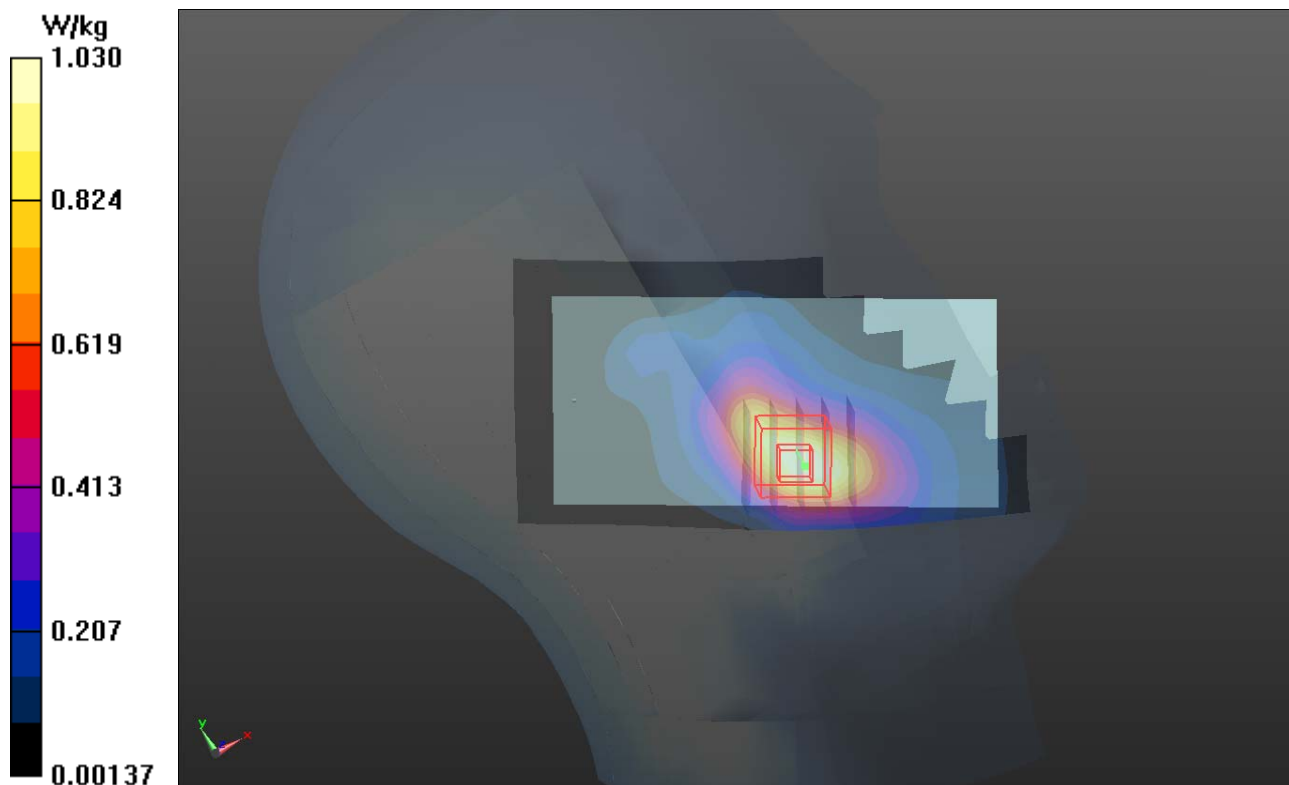
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.034 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.31 W/kg

**SAR(1 g) = 0.755 W/kg; SAR(10 g) = 0.417 W/kg**

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



### P09 LTE 13\_QPSK10M\_Right Cheek\_Ch23230\_Ant 1\_1RB\_Offset 24

**DUT: 140303C07**

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

Medium: H750\_0404 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.913 \text{ S/m}$ ;  $\epsilon_r = 41.385$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $21.8 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.3 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.89, 10.89, 10.89); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.624 \text{ W/kg}$

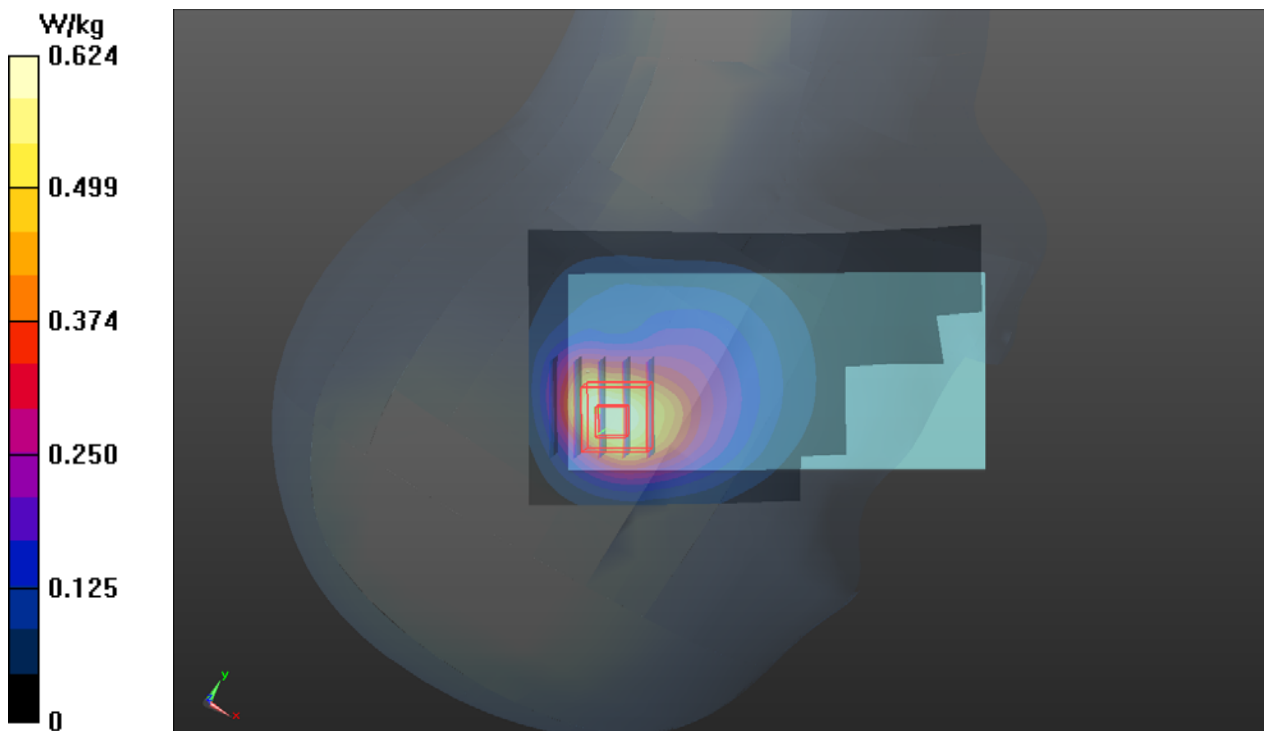
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $20.245 \text{ V/m}$ ; Power Drift =  $-0.07 \text{ dB}$

Peak SAR (extrapolated) =  $0.796 \text{ W/kg}$

**SAR(1 g) =  $0.487 \text{ W/kg}$ ; SAR(10 g) =  $0.294 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.604 \text{ W/kg}$



## P10 802.11b\_Left Cheek\_Ch6

**DUT: 140303C06**

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

Medium: H2450\_0404 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.853$  S/m;  $\epsilon_r = 39.094$ ;  $\rho =$

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

Ambient Temperature : 21.6°C; Liquid Temperature : 20.9 °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 (7); SEMCAD X Version 14.6.10 (7164)

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

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

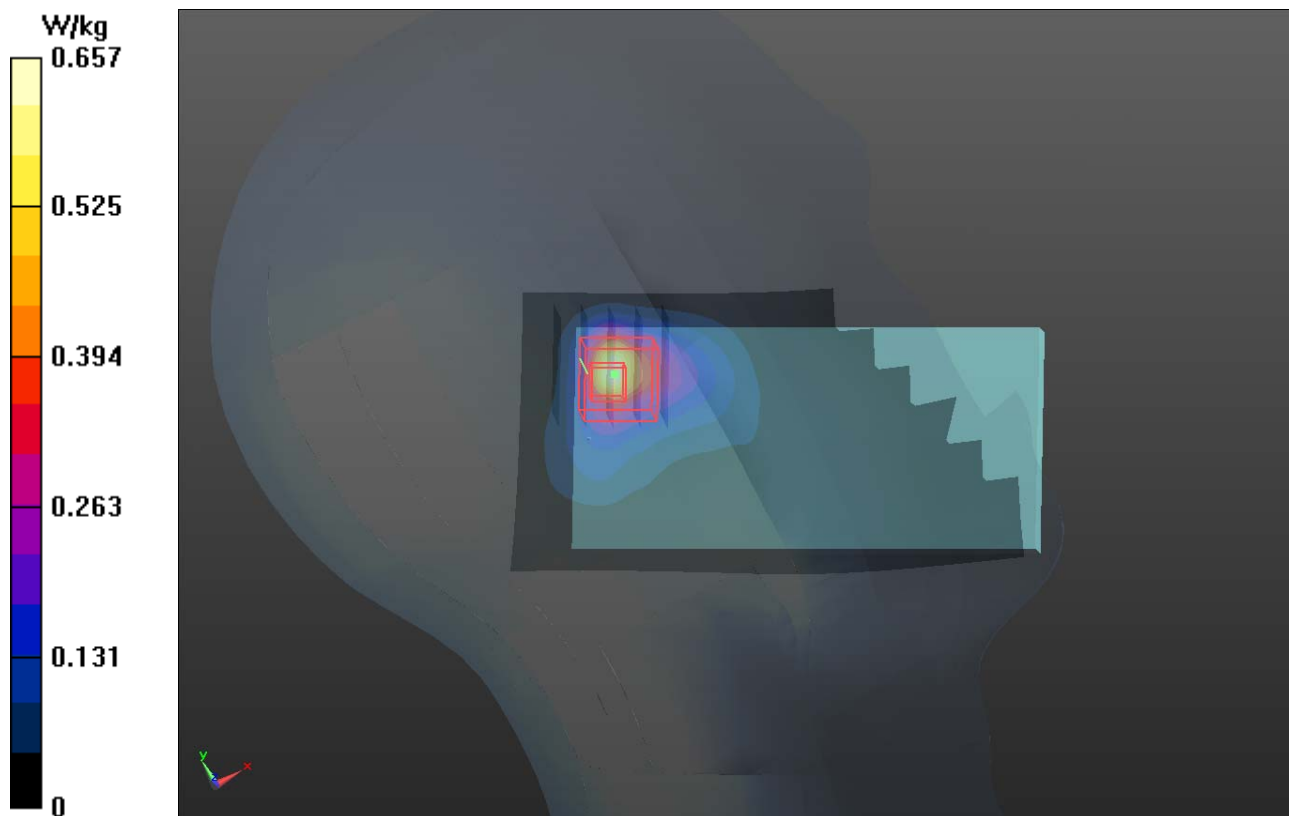
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.453 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.996 W/kg

**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.180 W/kg**

Maximum value of SAR (measured) = 0.532 W/kg



## P11 802.11a\_Left Cheek\_Ch36

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1.12

Medium: H5G\_0408 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.786$  S/m;  $\epsilon_r = 35.638$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.57, 5.57, 5.57); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

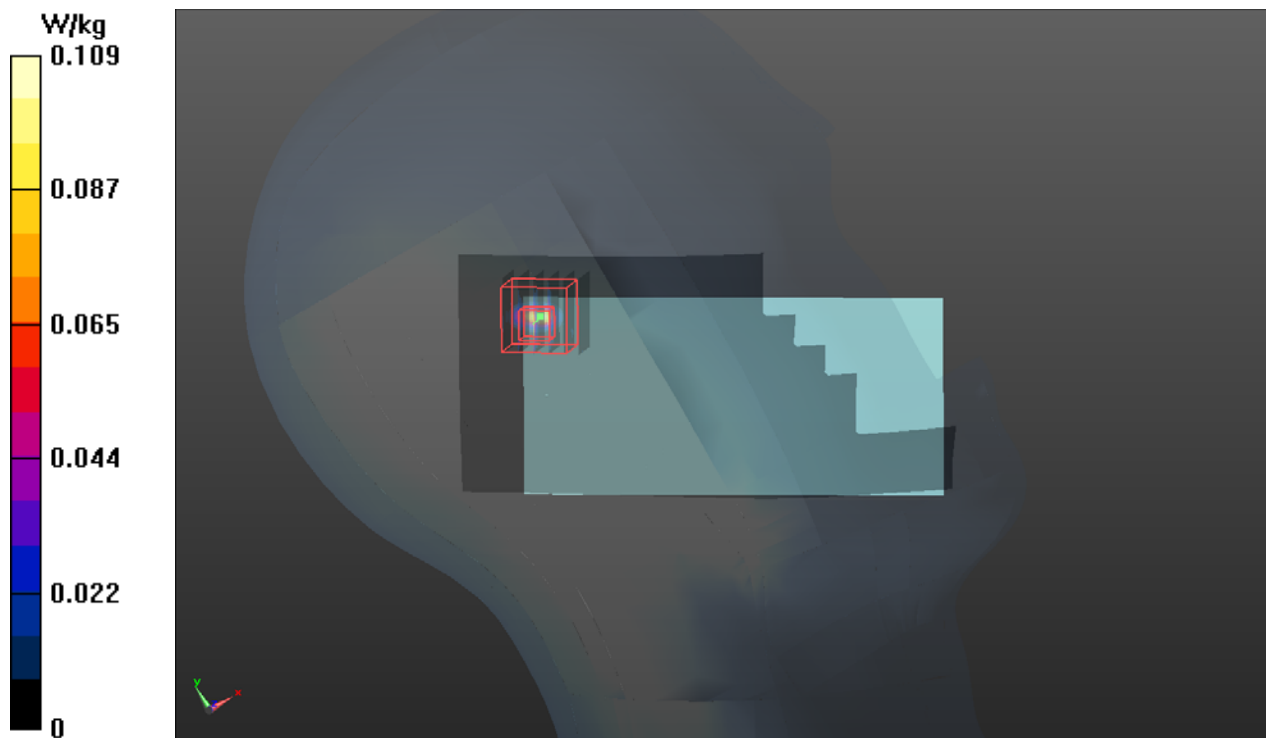
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.253 W/kg

**SAR(1 g) = 0.057 W/kg; SAR(10 g) = 0.00899 W/kg**

Maximum value of SAR (measured) = 0.150 W/kg



## P12 802.11a\_Left Tilted\_Ch64

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5320 MHz; Duty Cycle: 1:1.12

Medium: H5G\_0408 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 4.928$  S/m;  $\epsilon_r = 35.397$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.33, 5.33, 5.33); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0415 W/kg

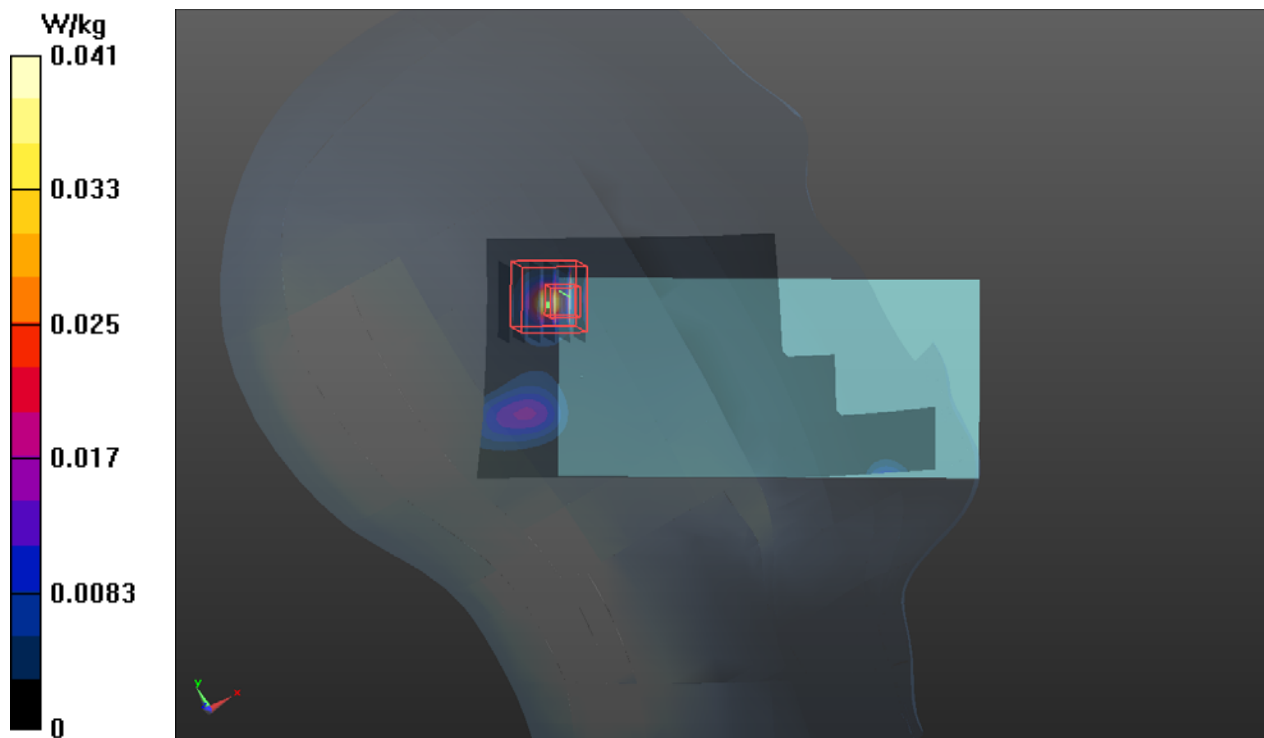
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.325 W/kg

**SAR(1 g) = 0.049 W/kg; SAR(10 g) = 0.00677 W/kg**

Maximum value of SAR (measured) = 0.131 W/kg



## P13 802.11a\_Left Cheek\_Ch100

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5500 MHz; Duty Cycle: 1:1.12

Medium: H5G\_0408 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.144$  S/m;  $\epsilon_r = 35.032$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.06, 5.06, 5.06); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

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

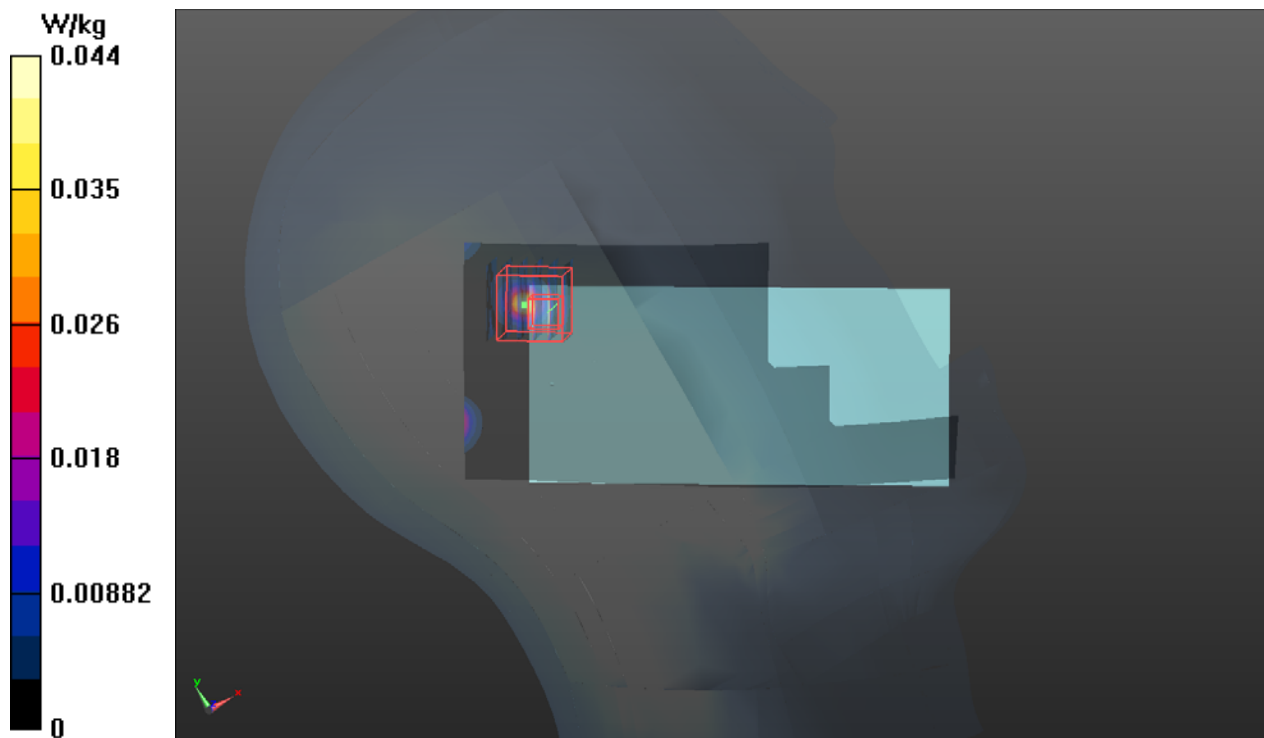
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.728 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.294 W/kg

**SAR(1 g) = 0.059 W/kg; SAR(10 g) = 0.00941 W/kg**

Maximum value of SAR (measured) = 0.173 W/kg



## P14 802.11a\_Left Cheek\_Ch149

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5745 MHz; Duty Cycle: 1:1.12

Medium: H5G\_0408 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.424$  S/m;  $\epsilon_r = 34.647$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.89, 4.89, 4.89); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (81x161x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm

Maximum value of SAR (interpolated) = 0.0477 W/kg

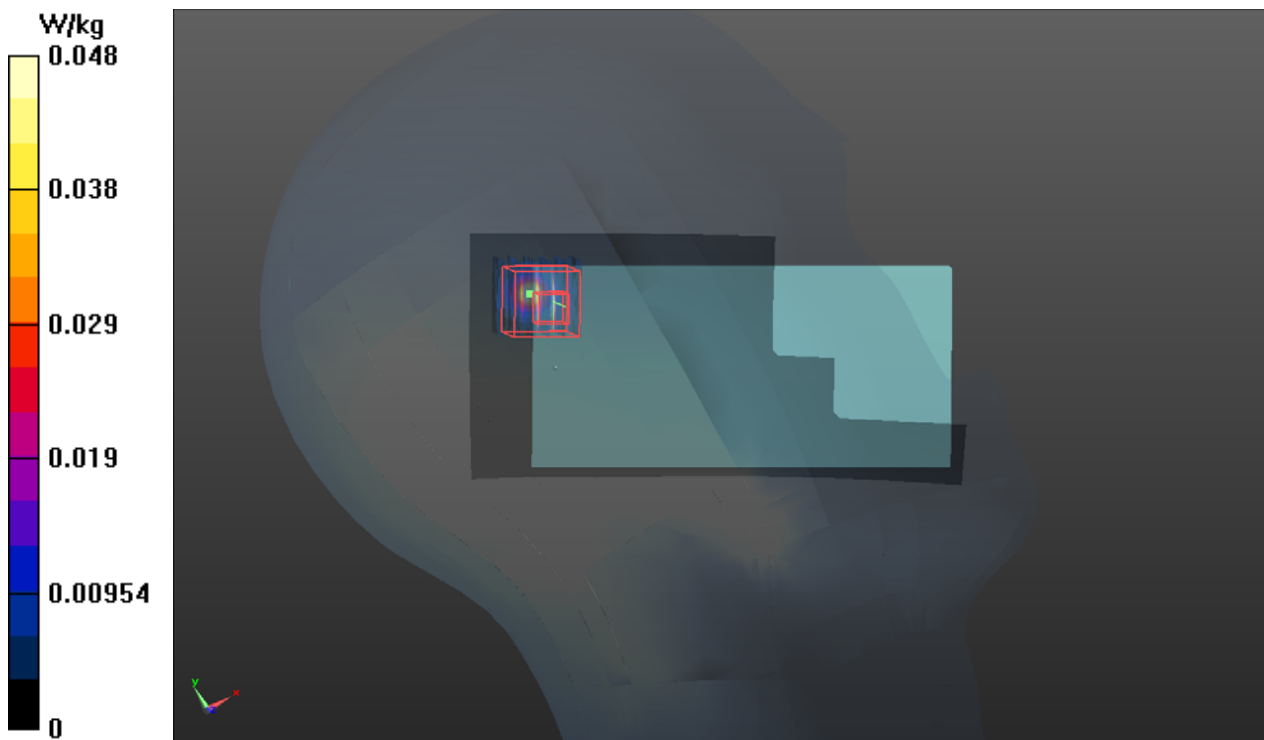
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.406 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.246 W/kg

**SAR(1 g) = 0.051 W/kg; SAR(10 g) = 0.00893 W/kg**

Maximum value of SAR (measured) = 0.146 W/kg



### P15 GSM850\_GPRS12\_Rear Face\_1cm\_Ch189

**DUT: 140303C07**

Communication System: GPRS12; Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: B835\_0331 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.973$  S/m;  $\epsilon_r = 55.117$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.2°C; Liquid Temperature : 21.6°C

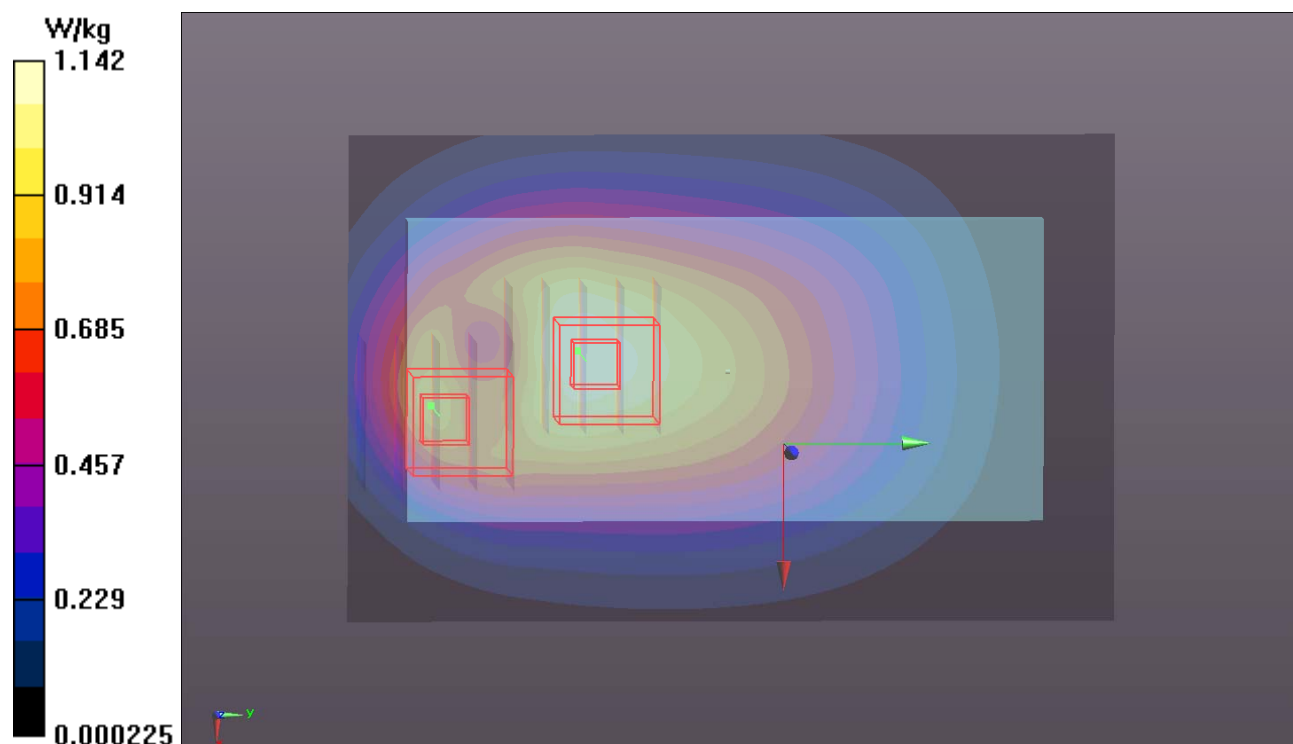
DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.35, 9.35, 9.35); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: ELI v4.0\_Right; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 1.14 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 29.695 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 1.31 W/kg  
**SAR(1 g) = 0.954 W/kg; SAR(10 g) = 0.698 W/kg**  
Maximum value of SAR (measured) = 1.13 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 29.695 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 1.07 W/kg  
**SAR(1 g) = 0.662 W/kg; SAR(10 g) = 0.441 W/kg**  
Maximum value of SAR (measured) = 0.888 W/kg





## P16 GSM1900\_GPRS12\_Rear Face\_1cm\_Ch512

**DUT: 140303C07**

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

Medium: B1900\_0402 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.52$  S/m;  $\epsilon_r = 54.645$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.890 W/kg

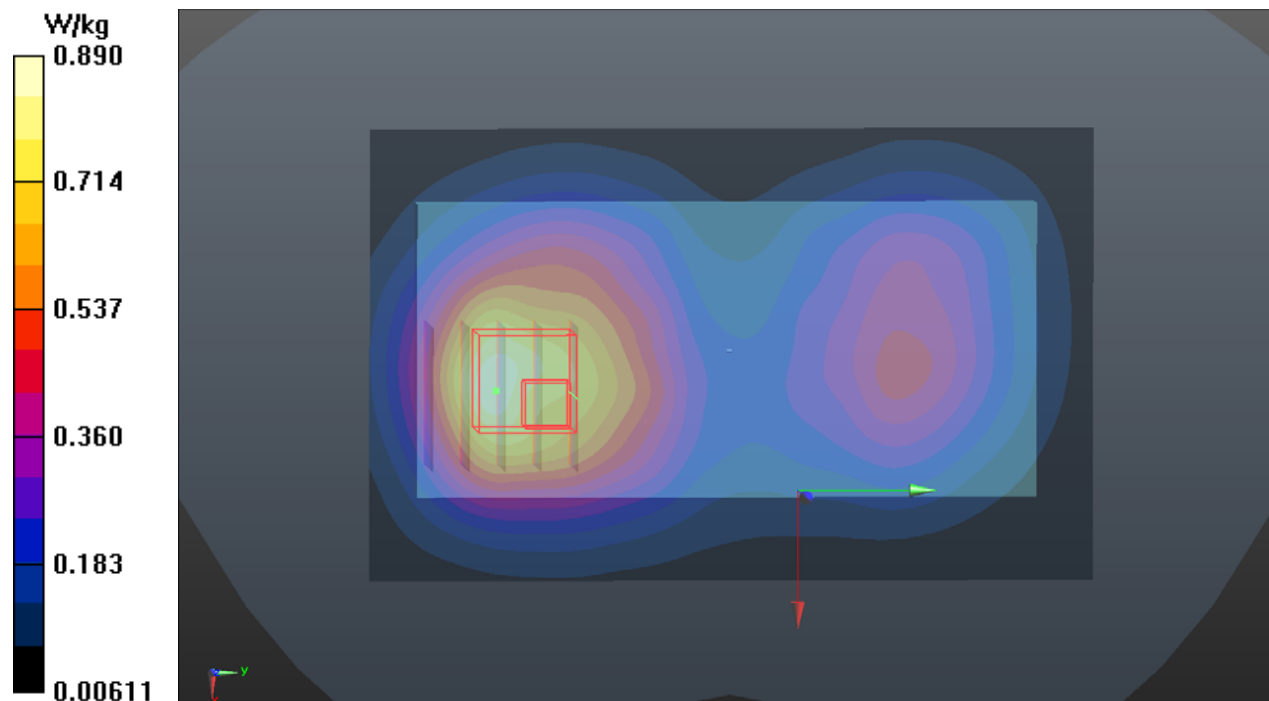
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.726 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.833 W/kg

**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.362 W/kg**

Maximum value of SAR (measured) = 0.708 W/kg



### P17 WCDMA II\_RMC12.2K\_Rear Face\_1cm\_Ch9538

**DUT: 140303C07**

Communication System: WCDMA; Frequency: 1907.6 MHz; Duty Cycle: 1:1  
Medium: B1900\_0402 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.574$  S/m;  $\epsilon_r = 54.553$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.7 °C; Liquid Temperature : 20.2 °C

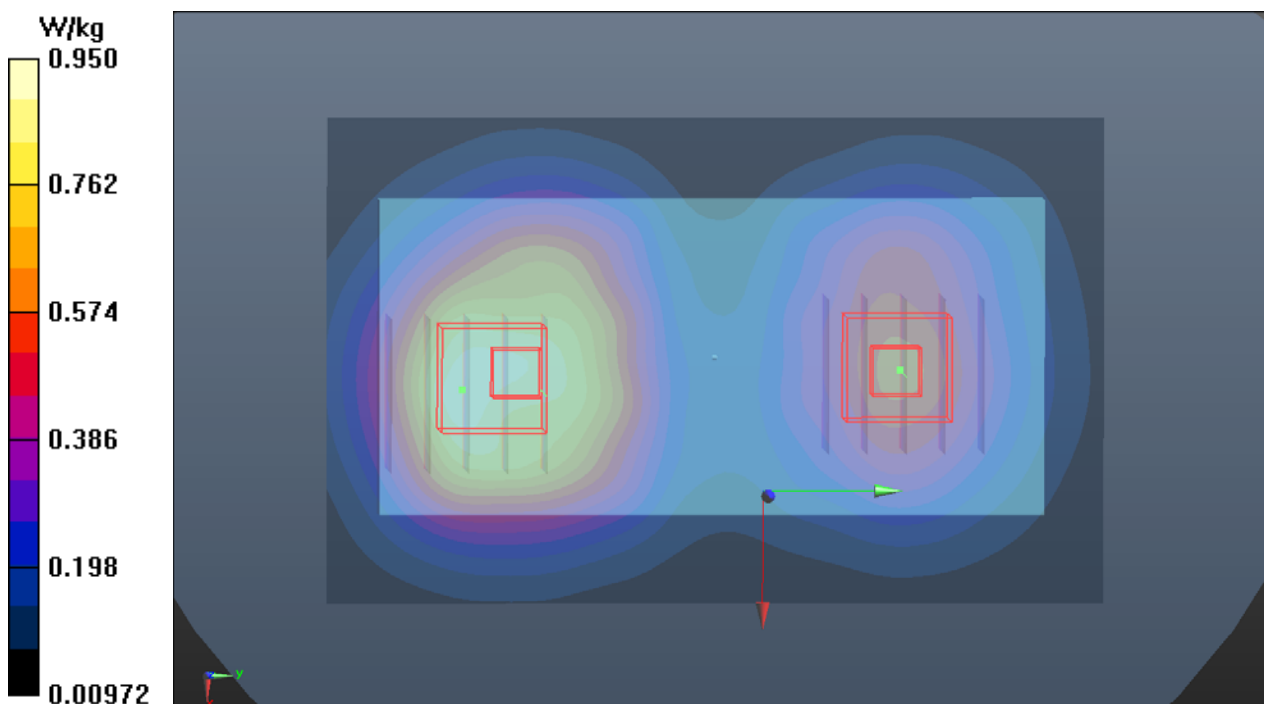
DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (71x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.950 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.267 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.980 W/kg  
**SAR(1 g) = 0.646 W/kg; SAR(10 g) = 0.409 W/kg**  
Maximum value of SAR (measured) = 0.839 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.267 V/m; Power Drift = -0.11 dB  
Peak SAR (extrapolated) = 0.669 W/kg  
**SAR(1 g) = 0.467 W/kg; SAR(10 g) = 0.313 W/kg**  
Maximum value of SAR (measured) = 0.578 W/kg



## P18 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4132

**DUT: 140303C07**

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

Medium: B835\_0331 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.964$  S/m;  $\epsilon_r = 55.178$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.2°C; Liquid Temperature : 21.6°C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.35, 9.35, 9.35); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: ELI v4.0\_Right; Type: QDOVA001BA; Serial: TP:1043
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.646 W/kg

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

Reference Value = 21.510 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.764 W/kg

**SAR(1 g) = 0.542 W/kg; SAR(10 g) = 0.391 W/kg**

Maximum value of SAR (measured) = 0.653 W/kg

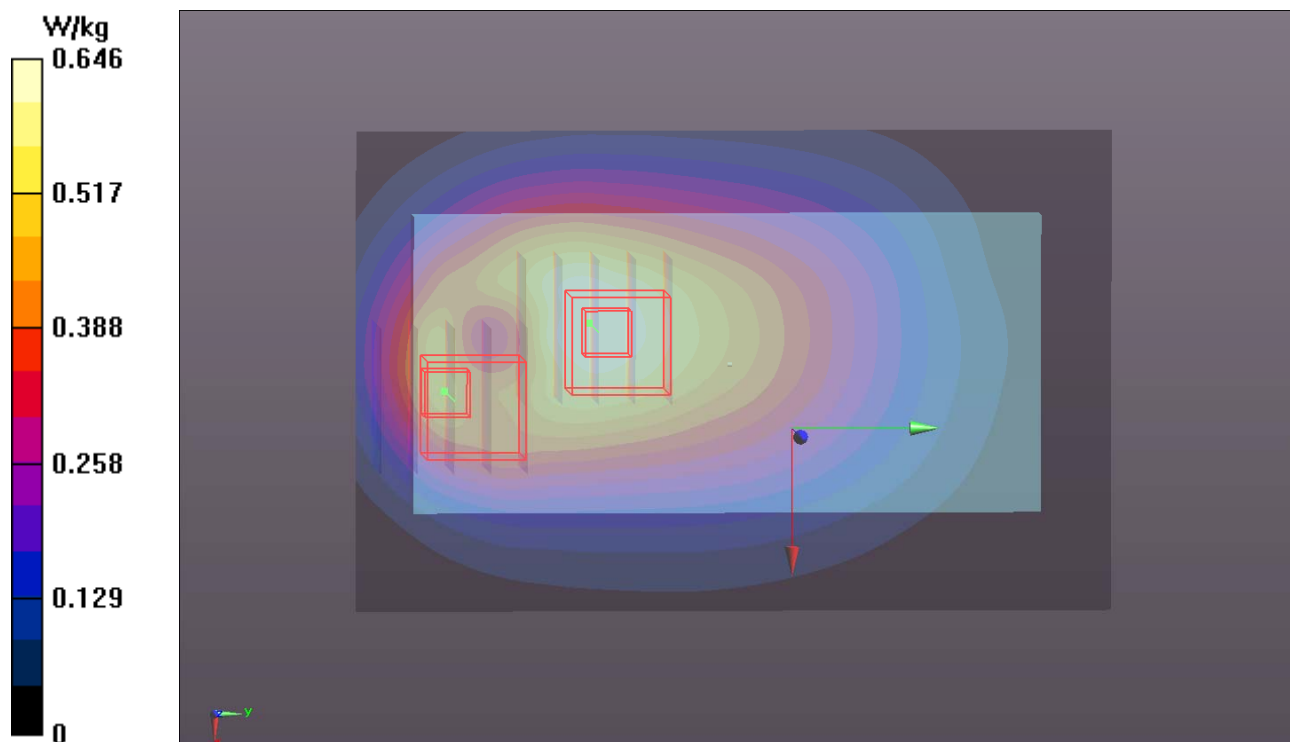
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.510 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.635 W/kg

**SAR(1 g) = 0.383 W/kg; SAR(10 g) = 0.249 W/kg**

Maximum value of SAR (measured) = 0.515 W/kg



## P19 CDMA2000 BC0\_RTAP 153.6\_Rear Face\_1cm\_Ch1013\_Ant 0

**DUT: 140303C07**

Communication System: CDMA2000; Frequency: 824.7 MHz; Duty Cycle: 1:1  
 Medium: B835\_0406 Medium parameters used:  $f = 825$  MHz;  $\sigma = 0.963$  S/m;  $\epsilon_r = 55.266$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 21.7 °C; Liquid Temperature : 21.4 °C

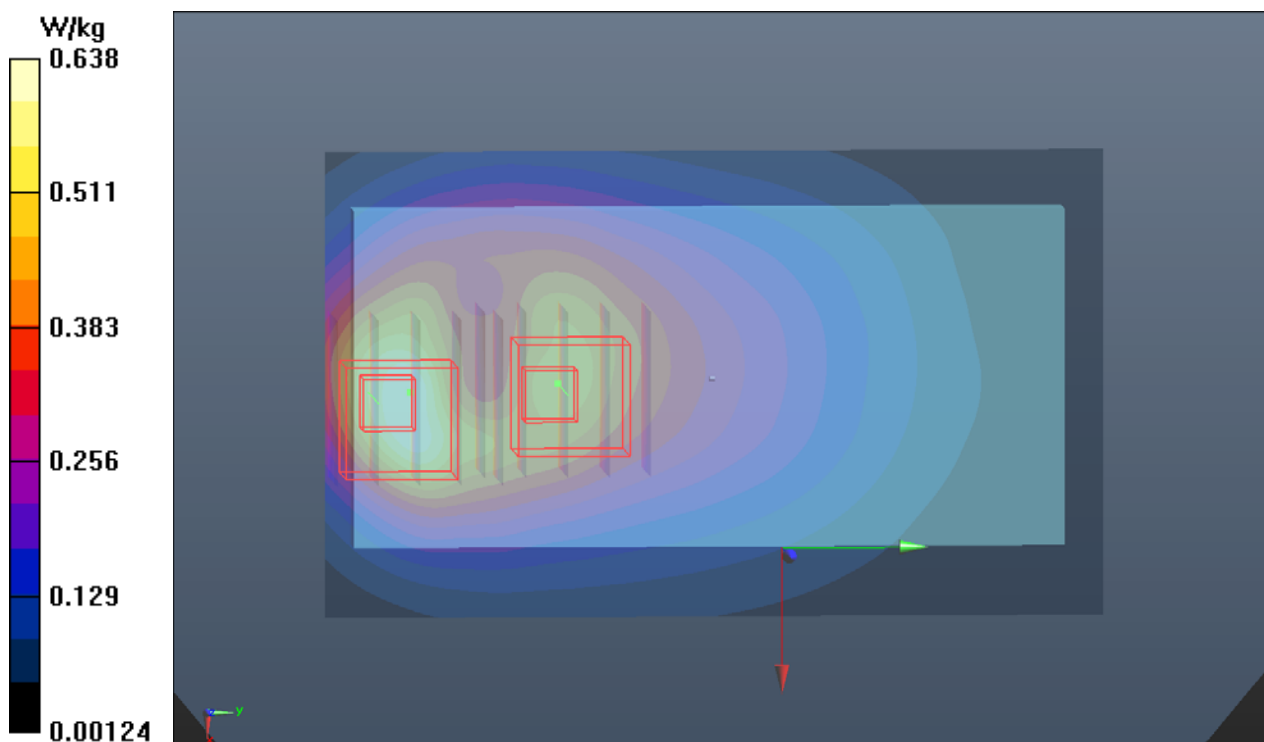
DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.31, 10.31, 10.31); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: QD000P40CD; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.638 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 17.525 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 0.842 W/kg  
**SAR(1 g) = 0.498 W/kg; SAR(10 g) = 0.295 W/kg**  
 Maximum value of SAR (measured) = 0.641 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 17.525 V/m; Power Drift = 0.04 dB  
 Peak SAR (extrapolated) = 0.590 W/kg  
**SAR(1 g) = 0.427 W/kg; SAR(10 g) = 0.303 W/kg**  
 Maximum value of SAR (measured) = 0.507 W/kg



## P20 CDMA2000 BC1\_RTAP 153.6\_Rear Face\_1cm\_Ch600\_Ant 0

**DUT: 140303C07**

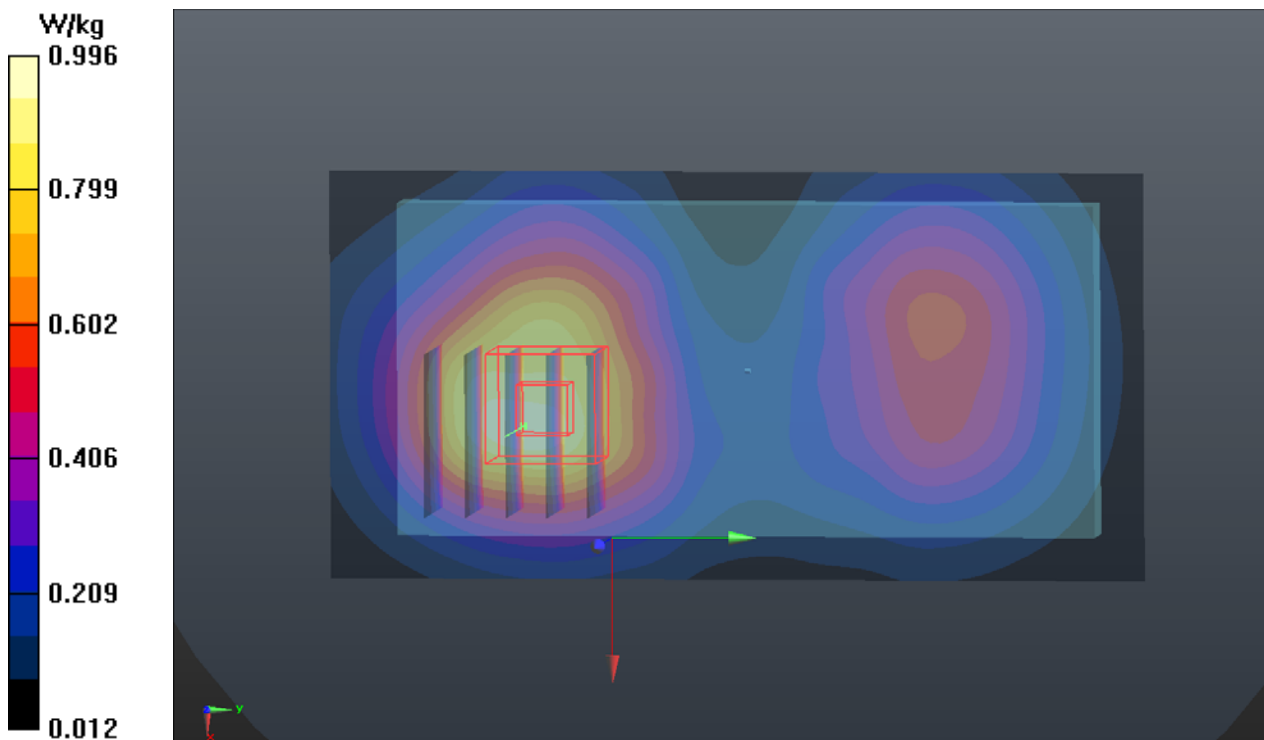
Communication System: CDMA2000; Frequency: 1880 MHz; Duty Cycle: 1:1  
Medium: B1900\_0407 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.556$  S/m;  $\epsilon_r = 54.767$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.6 °C; Liquid Temperature : 20.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.11, 8.11, 8.11); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: QD000P40CD; 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 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.996 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.476 V/m; Power Drift = -0.14 dB  
Peak SAR (extrapolated) = 1.04 W/kg  
**SAR(1 g) = 0.720 W/kg; SAR(10 g) = 0.477 W/kg**  
Maximum value of SAR (measured) = 0.871 W/kg



### P21 LTE 4\_QPSK20M\_Rear Face\_1cm\_Ch20300\_Ant 0\_1RB\_Offset 50

**DUT: 140303C07**

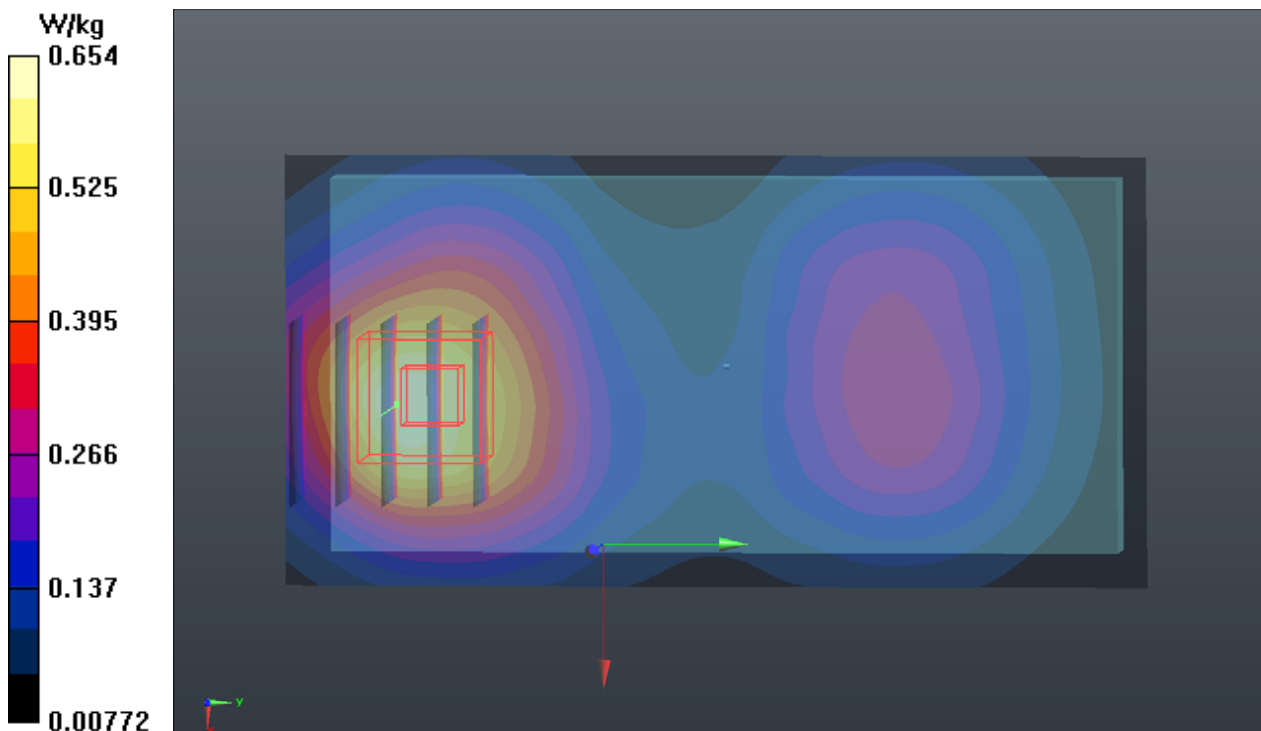
Communication System: LTE; Frequency: 1745 MHz; Duty Cycle: 1:1  
Medium: B1750\_0405 Medium parameters used:  $f = 1745$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 52.427$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.7 °C; Liquid Temperature : 20.7 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3590; ConvF(8.35, 8.35, 8.35); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- 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 (51x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.654 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 8.268 V/m; Power Drift = -0.03 dB  
Peak SAR (extrapolated) = 0.742 W/kg  
**SAR(1 g) = 0.477 W/kg; SAR(10 g) = 0.309 W/kg**  
Maximum value of SAR (measured) = 0.596 W/kg



### P22 LTE 7\_QPSK20M\_Rear Face\_1cm\_Ch21100\_Ant 0\_1RB\_Offset 99

**DUT: 140303C07**

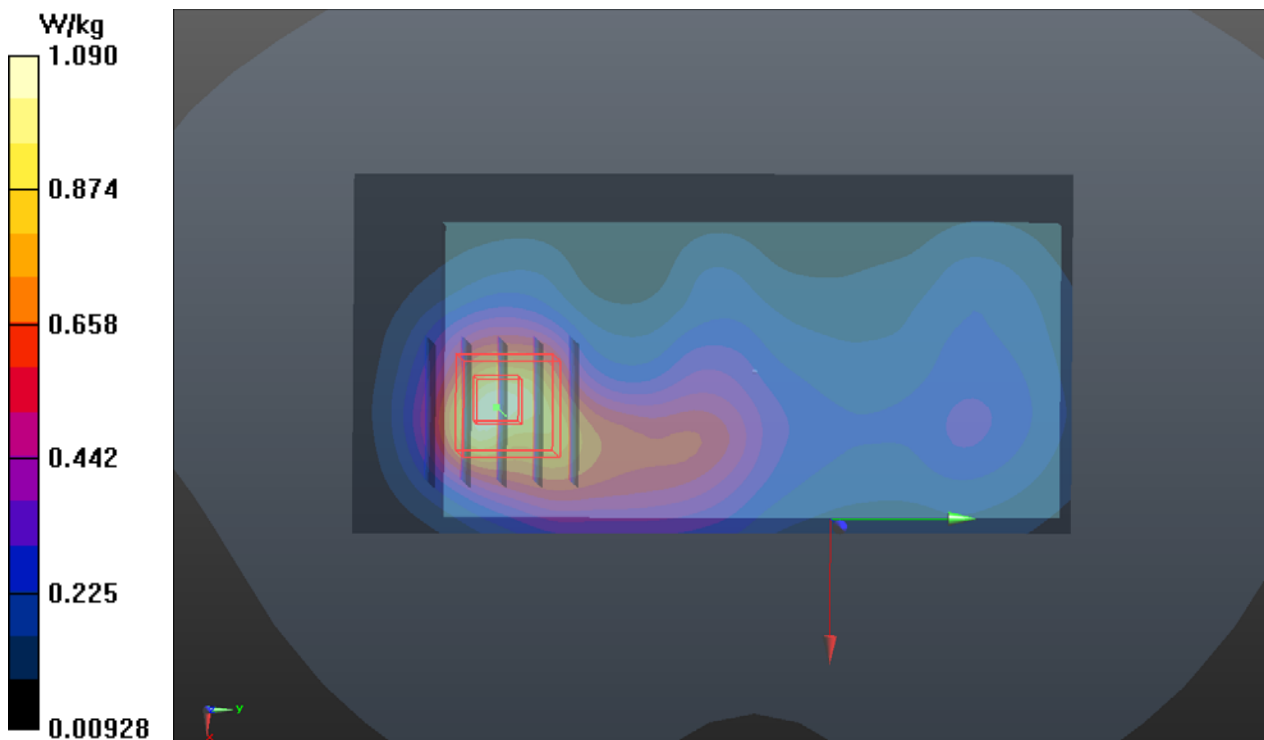
Communication System: LTE; Frequency: 2535 MHz; Duty Cycle: 1:1  
Medium: B2600\_0407 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.128$  S/m;  $\epsilon_r = 52.519$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.49, 7.49, 7.49); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: QD000P40CD; Serial: TP 1654
- 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) = 1.09 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 12.947 V/m; Power Drift = -0.12 dB  
Peak SAR (extrapolated) = 1.54 W/kg  
**SAR(1 g) = 0.771 W/kg; SAR(10 g) = 0.406 W/kg**  
Maximum value of SAR (measured) = 1.12 W/kg



### P23 LTE 13\_QPSK10M\_Rear Face\_1cm\_Ch23230\_Ant 0\_1RB\_Offset 24

**DUT: 140303C07**

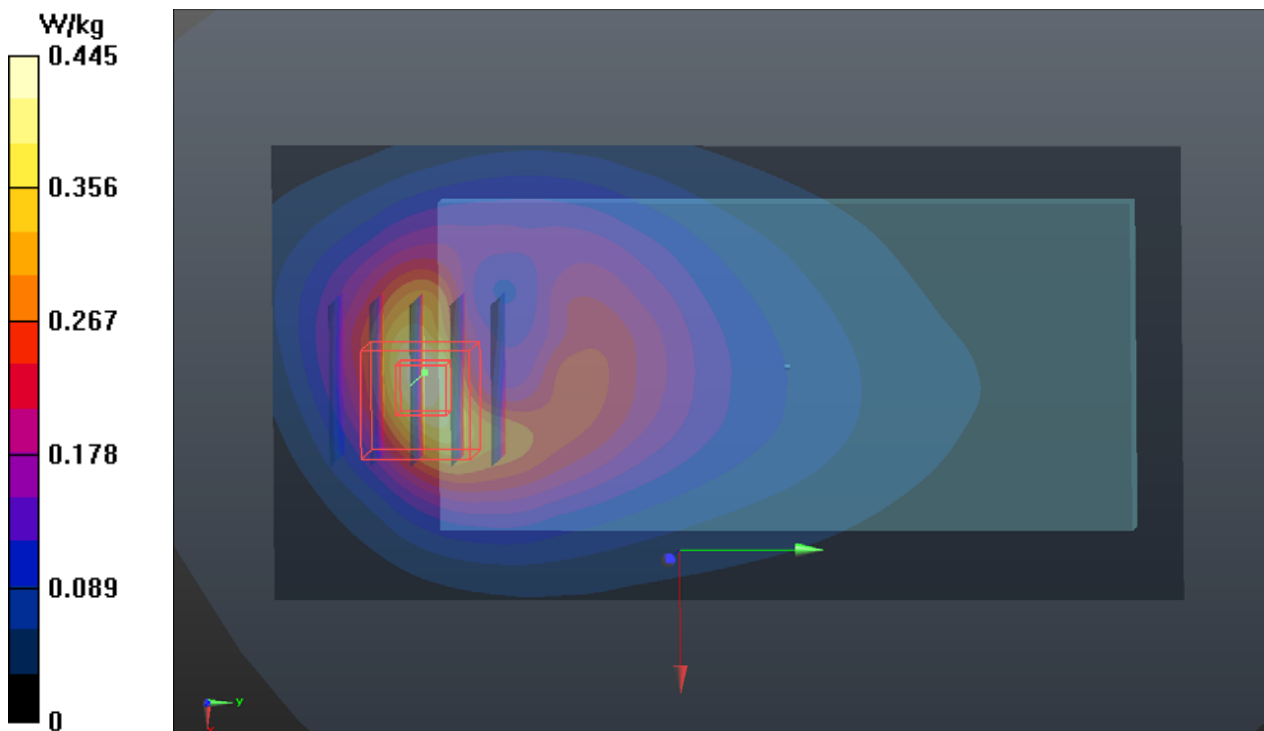
Communication System: LTE; Frequency: 782 MHz; Duty Cycle: 1:1  
Medium: B750\_0406 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ S/m}$ ;  $\epsilon_r = 54.945$ ;  $\rho = 1000 \text{ kg/m}^3$   
Ambient Temperature :  $21.7 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $20.8 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.39, 10.39, 10.39); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: QD000P40CD; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$   
Maximum value of SAR (interpolated) =  $0.445 \text{ W/kg}$

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$   
Reference Value =  $9.927 \text{ V/m}$ ; Power Drift =  $-0.08 \text{ dB}$   
Peak SAR (extrapolated) =  $0.545 \text{ W/kg}$   
**SAR(1 g) =  $0.331 \text{ W/kg}$ ; SAR(10 g) =  $0.197 \text{ W/kg}$**   
Maximum value of SAR (measured) =  $0.446 \text{ W/kg}$





## P24 802.11b\_Front Face\_1cm\_Ch6

**DUT: 140303C07**

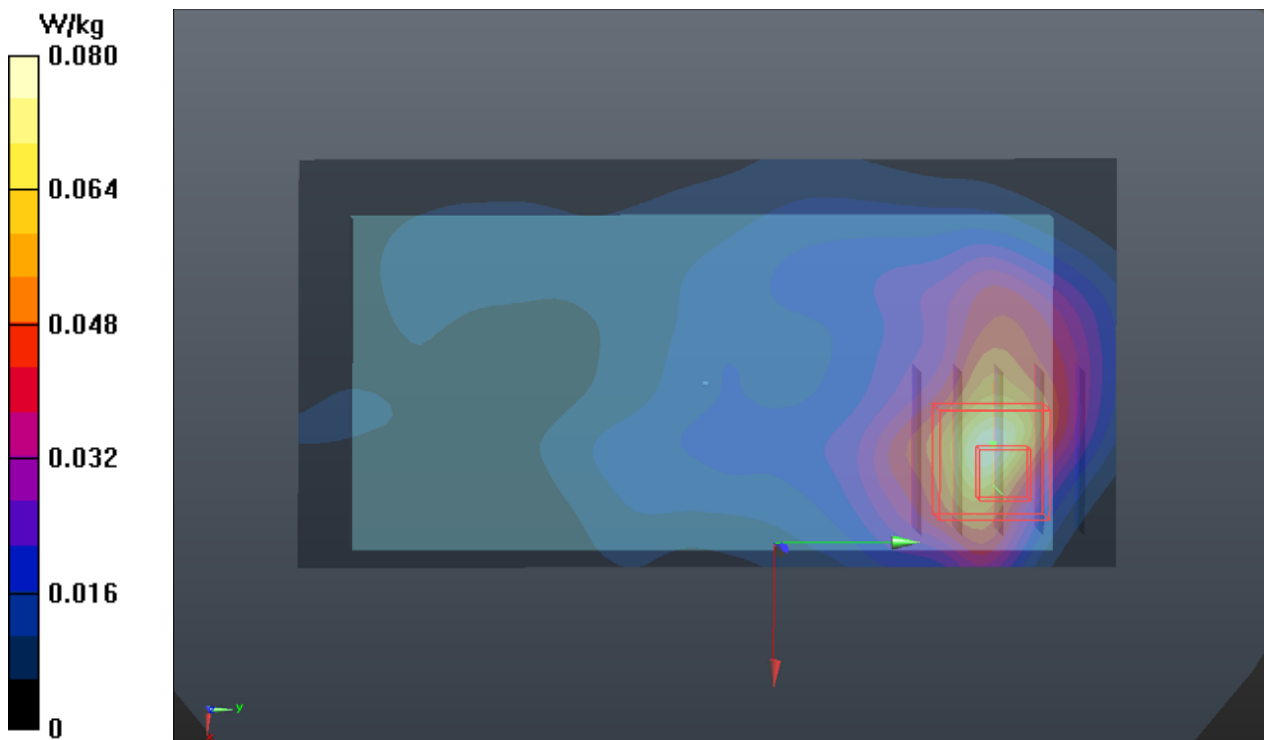
Communication System: WLAN\_2.4G; Frequency: 2437 MHz; Duty Cycle: 1:1  
Medium: B2450\_0408 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.951$  S/m;  $\epsilon_r = 51.273$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.8 °C; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.72, 7.72, 7.72); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: SAM Phantom\_Front; Type: QD000P40CD; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x131x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.0803 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 2.472 V/m; Power Drift = 0.18 dB  
Peak SAR (extrapolated) = 0.0880 W/kg  
**SAR(1 g) = 0.044 W/kg; SAR(10 g) = 0.025 W/kg**  
Maximum value of SAR (measured) = 0.0611 W/kg



## P25 802.11a\_Front Face\_1cm\_Ch36

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5180 MHz; Duty Cycle: 1:1.12

Medium: B5G\_0408 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.16$  S/m;  $\epsilon_r = 48.577$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2 °C; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.16, 5.16, 5.16); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: TP:1206
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.00511 W/kg

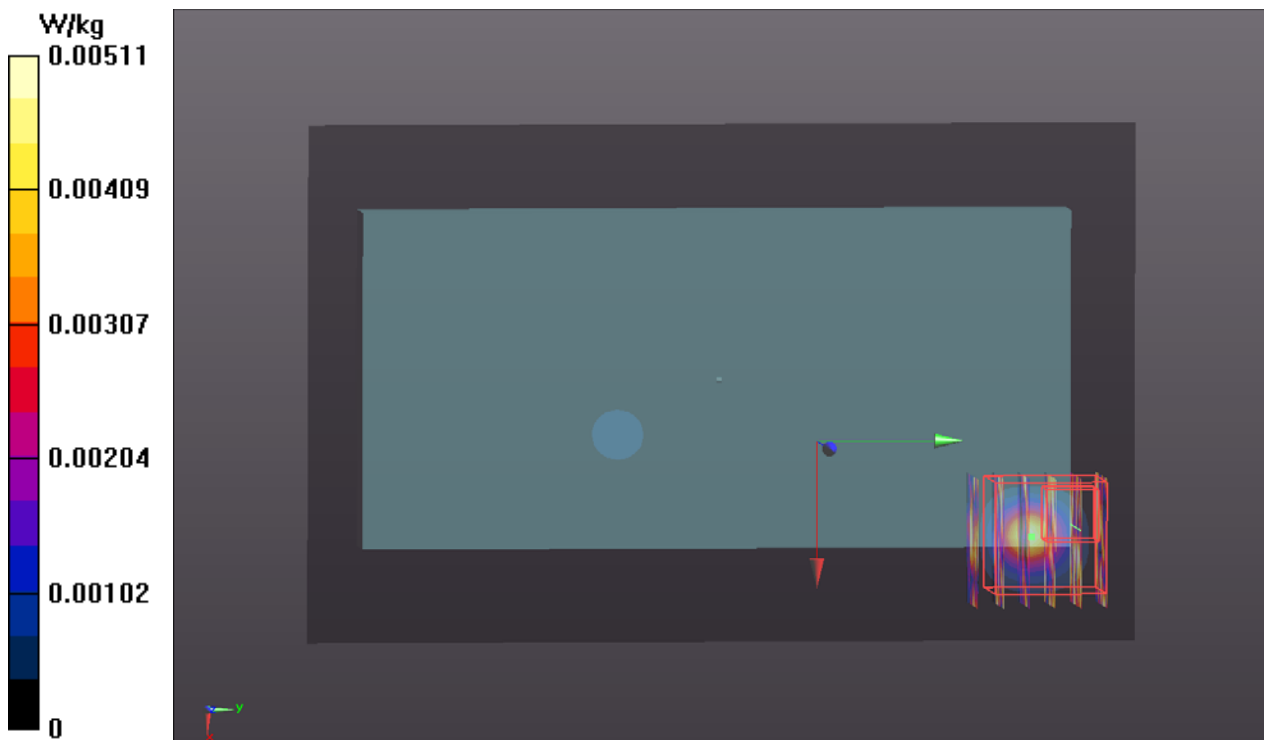
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.0300 W/kg

**SAR(1 g) = 0.00125 W/kg; SAR(10 g) = 0.000158 W/kg**

Maximum value of SAR (measured) = 0.0118 W/kg



## P26 802.11a\_Front Face\_1cm\_Ch64

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5320 MHz; Duty Cycle: 1:1.12

Medium: B5G\_0408 Medium parameters used:  $f = 5320$  MHz;  $\sigma = 5.308$  S/m;  $\epsilon_r = 48.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2 °C; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.92, 4.92, 4.92); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: TP:1206
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.000368 W/kg

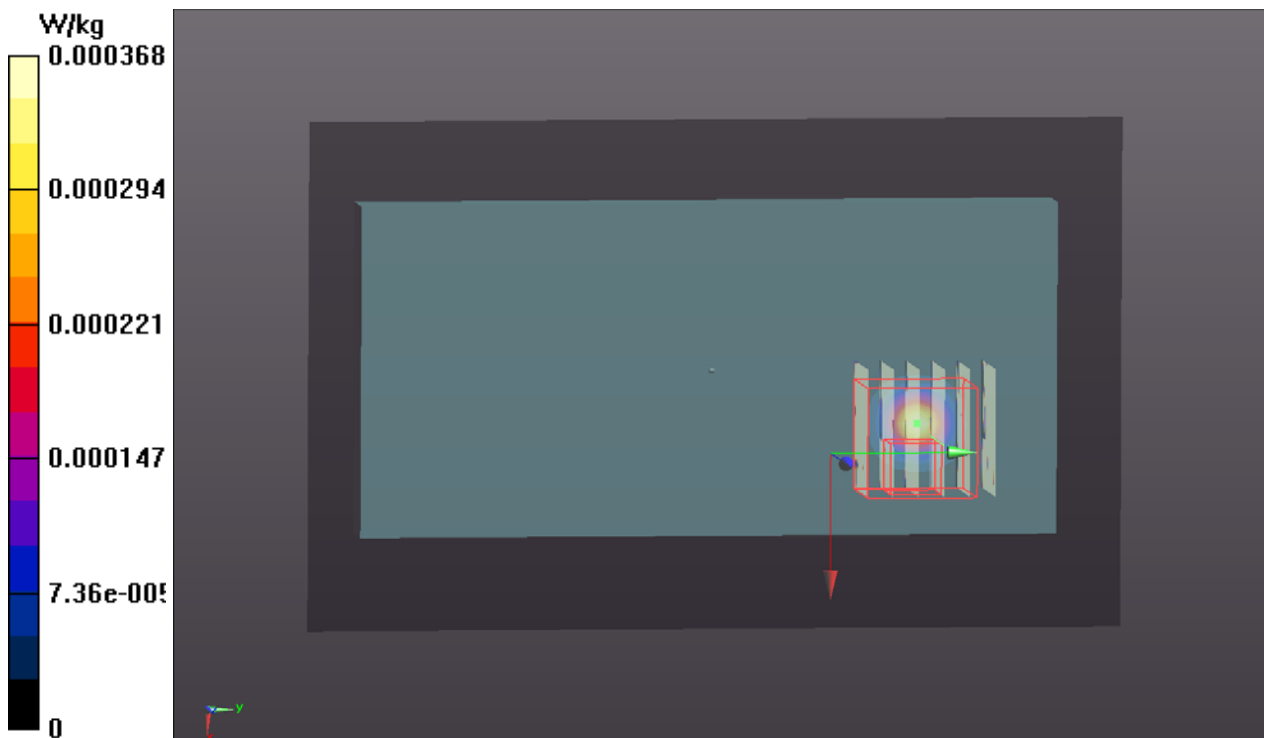
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.00780 W/kg

**SAR(1 g) = 1.23e-005 W/kg; SAR(10 g) = 1.79e-006 W/kg**

Maximum value of SAR (measured) = 0.00802 W/kg



## P27 802.11a\_Front Face\_1cm\_Ch100

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5500 MHz; Duty Cycle: 1:1.12

Medium: B5G\_0408 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.633$  S/m;  $\epsilon_r = 47.901$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.2 °C; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.64, 4.64, 4.64); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: TP:1206
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.0147 W/kg

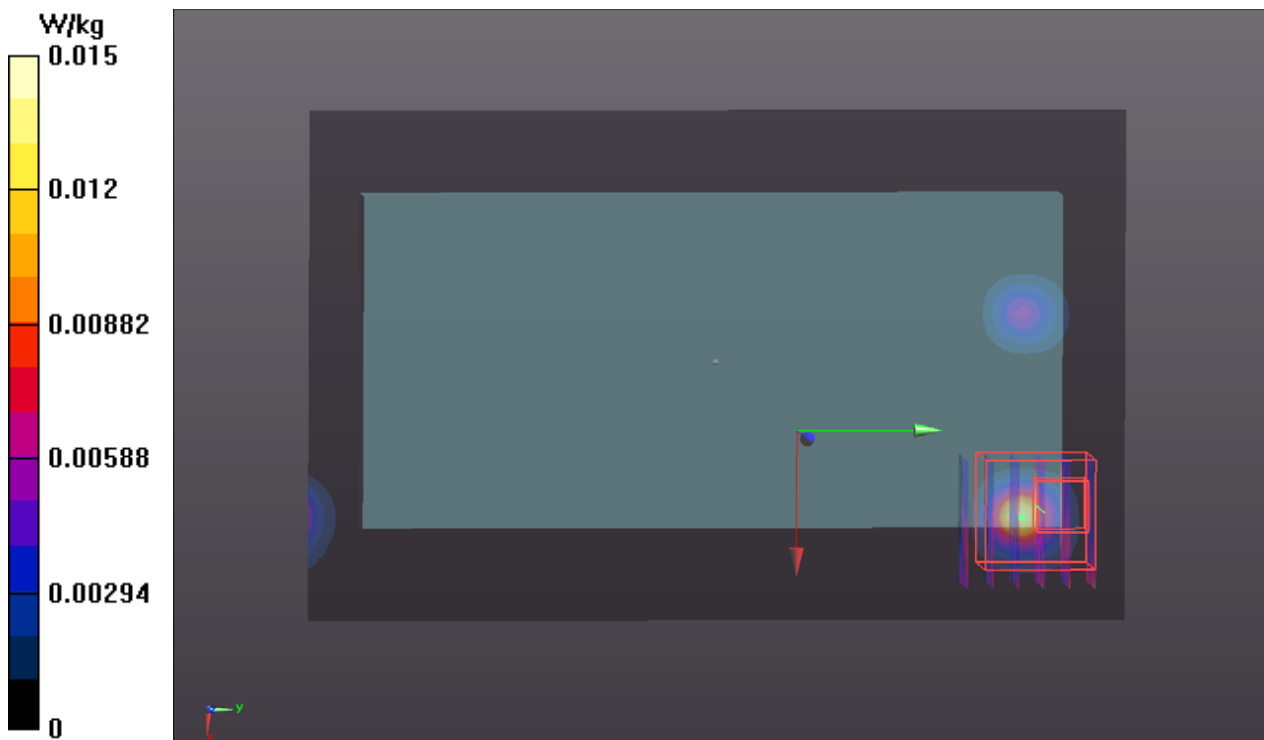
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.00711 W/kg; SAR(10 g) = 0.00113 W/kg**

Maximum value of SAR (measured) = 0.0174 W/kg



## P28 802.11a\_Front Face\_1cm\_Ch149

**DUT: 140303C07**

Communication System: WLAN\_5G; Frequency: 5745 MHz; Duty Cycle: 1:1.12  
Medium: B5G\_0408 Medium parameters used:  $f = 5745$  MHz;  $\sigma = 5.975$  S/m;  $\epsilon_r = 47.658$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.2 °C; Liquid Temperature : 21.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.74, 4.74, 4.74); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2013/09/25
- Phantom: ELI 4.0; Type: QDOVA001BA; Serial: TP:1206
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (101x161x1)**: Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.00481 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) = 0.00812 W/kg  
**SAR(1 g) = 3.33e-005 W/kg; SAR(10 g) = 5.1e-006 W/kg**  
Maximum value of SAR (measured) = 0.0112 W/kg

