



## Appendix B. SAR Plots of SAR Measurement

The SAR plots for highest measured SAR in each exposure configuration, wireless mode and frequency band combination, and measured SAR > 1.5 W/kg are shown as follows.

## P01 GSM850\_GPRS12\_Right Cheek\_Ch189\_Ant1

**DUT: 141204C02**

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

Medium: H08T09N1\_0126 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.924$  S/m;  $\epsilon_r = 43.156$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

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

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

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

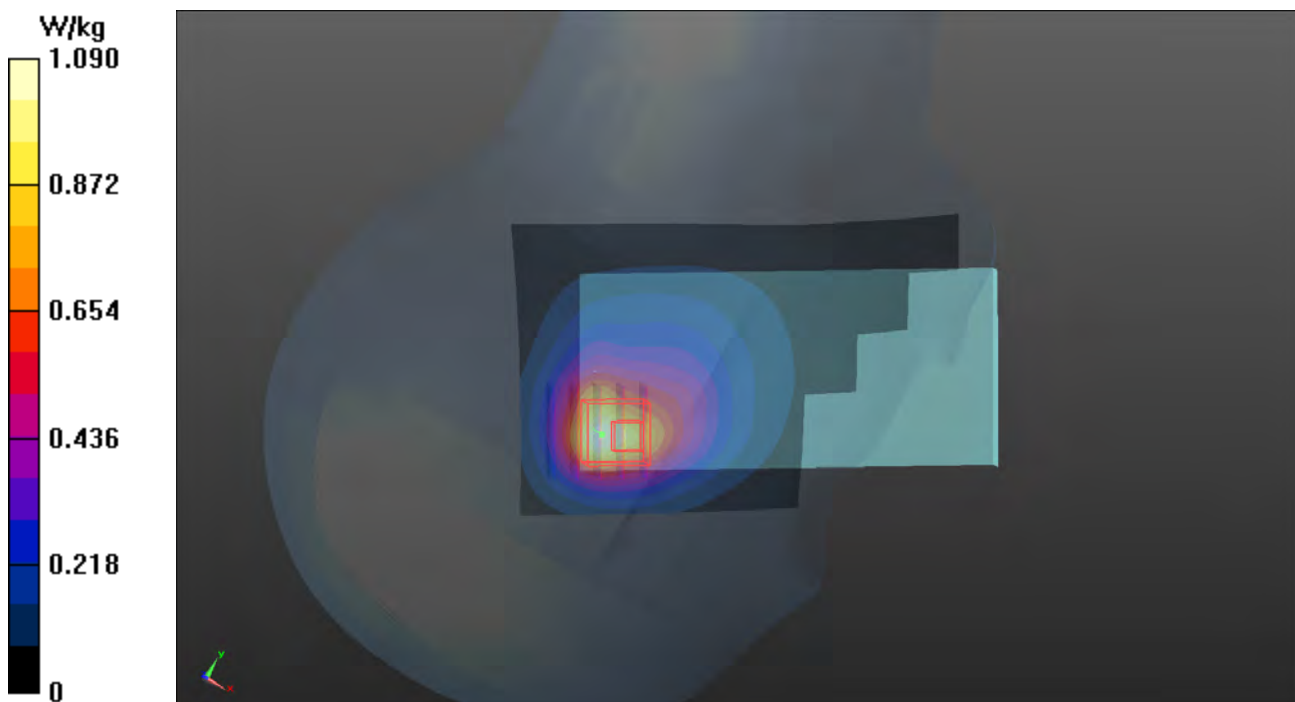
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 22.07 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.651 W/kg; SAR(10 g) = 0.404 W/kg**

Maximum value of SAR (measured) = 0.919 W/kg



## P02 GSM1900\_GPRS12\_Right Cheek\_Ch661\_Ant1

**DUT: 141204C02**

Communication System: GSM; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: H18T19N3\_0124 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 40.372$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.19, 8.19, 8.19); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.835 W/kg

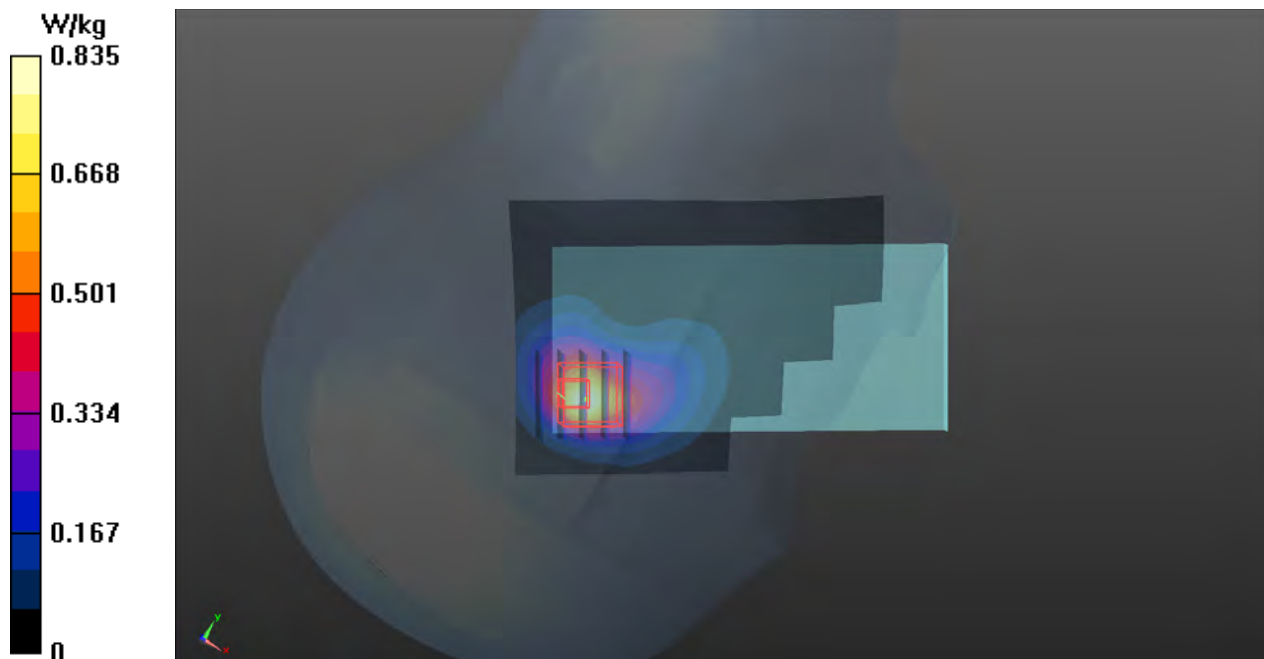
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.92 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.902 W/kg

**SAR(1 g) = 0.440 W/kg; SAR(10 g) = 0.246 W/kg**

Maximum value of SAR (measured) = 0.627 W/kg



## P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9400\_Ant1

**DUT: 141204C02**

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

Medium: H18T19N3\_0124 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.43$  S/m;  $\epsilon_r = 40.372$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.19, 8.19, 8.19); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.526 W/kg

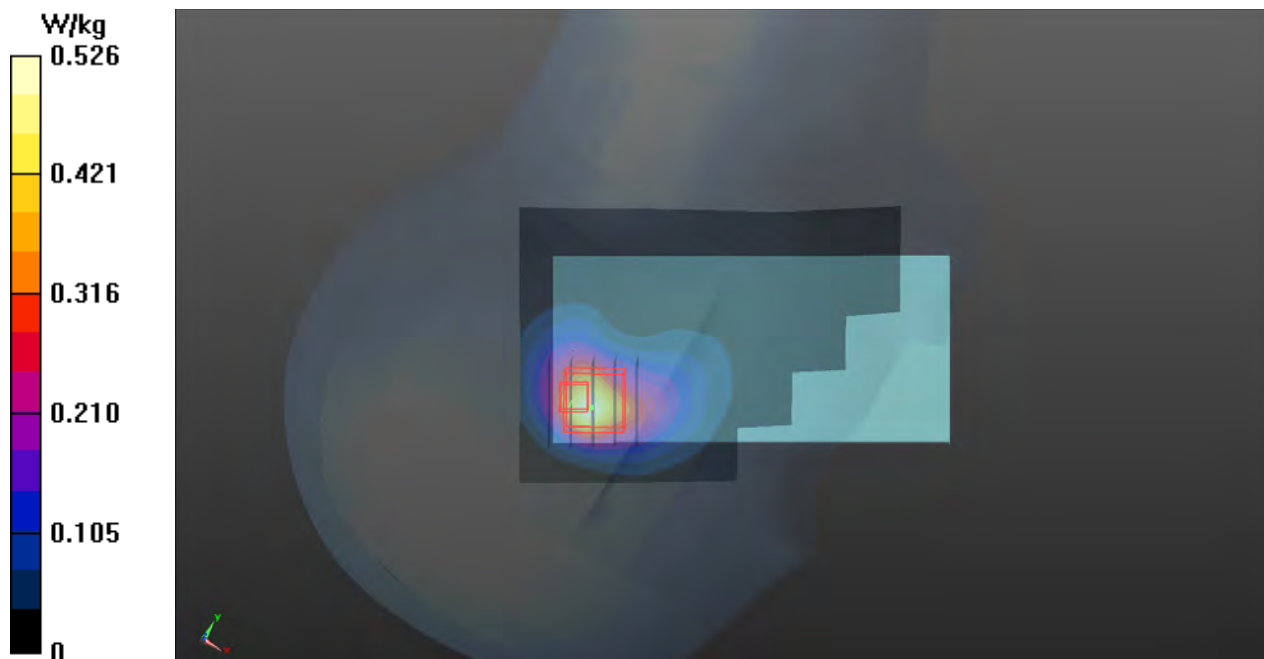
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.39 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.559 W/kg

**SAR(1 g) = 0.273 W/kg; SAR(10 g) = 0.149 W/kg**

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



## P04 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4182\_Ant1

**DUT: 141204C02**

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

Medium: H08T09N3\_0123 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.891$  S/m;  $\epsilon_r = 42.977$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.601 W/kg

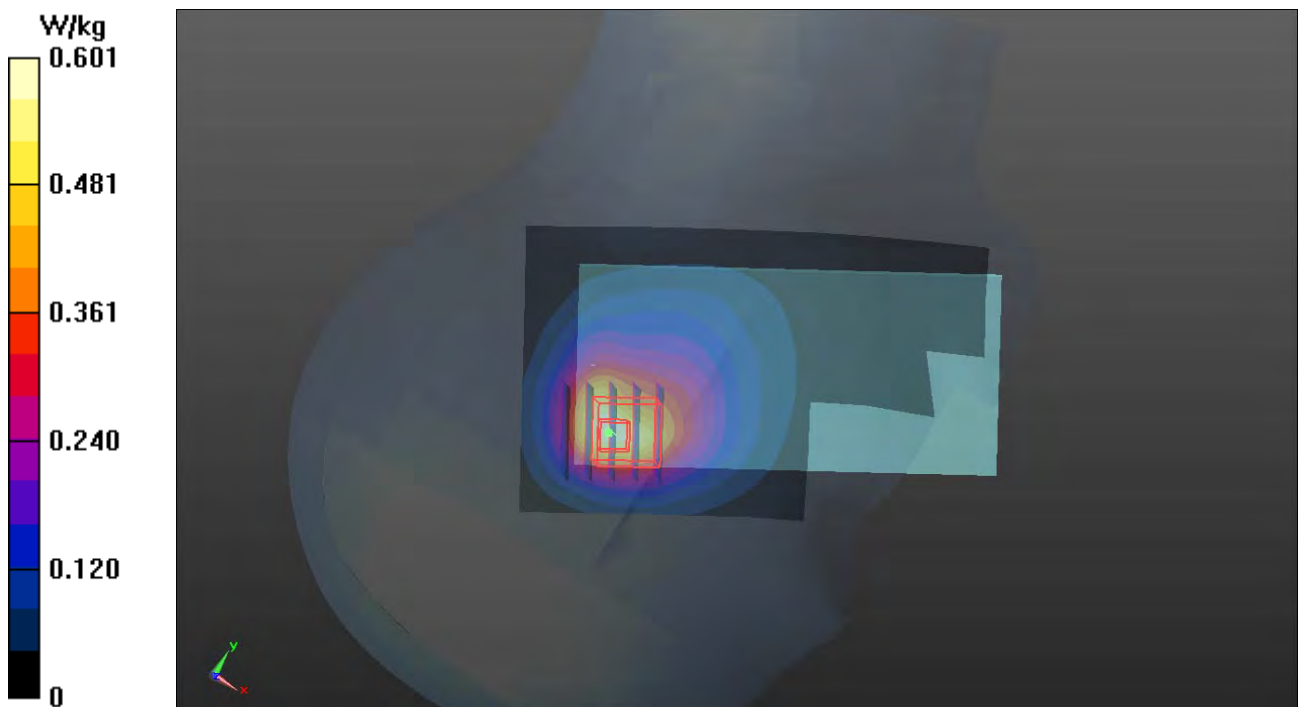
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.49 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.794 W/kg

**SAR(1 g) = 0.452 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.596 W/kg



## P05 LTE 5\_QPSK10M\_Right Cheek\_Ch20525\_Ant1\_1RB\_OS49

**DUT: 141204C02**

Communication System: LTE; Frequency: 835 MHz; Duty Cycle: 1:1

Medium: H08T09N3\_0123 Medium parameters used:  $f = 835 \text{ MHz}$ ;  $\sigma = 0.89 \text{ S/m}$ ;  $\epsilon_r = 42.994$ ;  $\rho = 1000 \text{ kg/m}^3$

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1202; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.599 W/kg

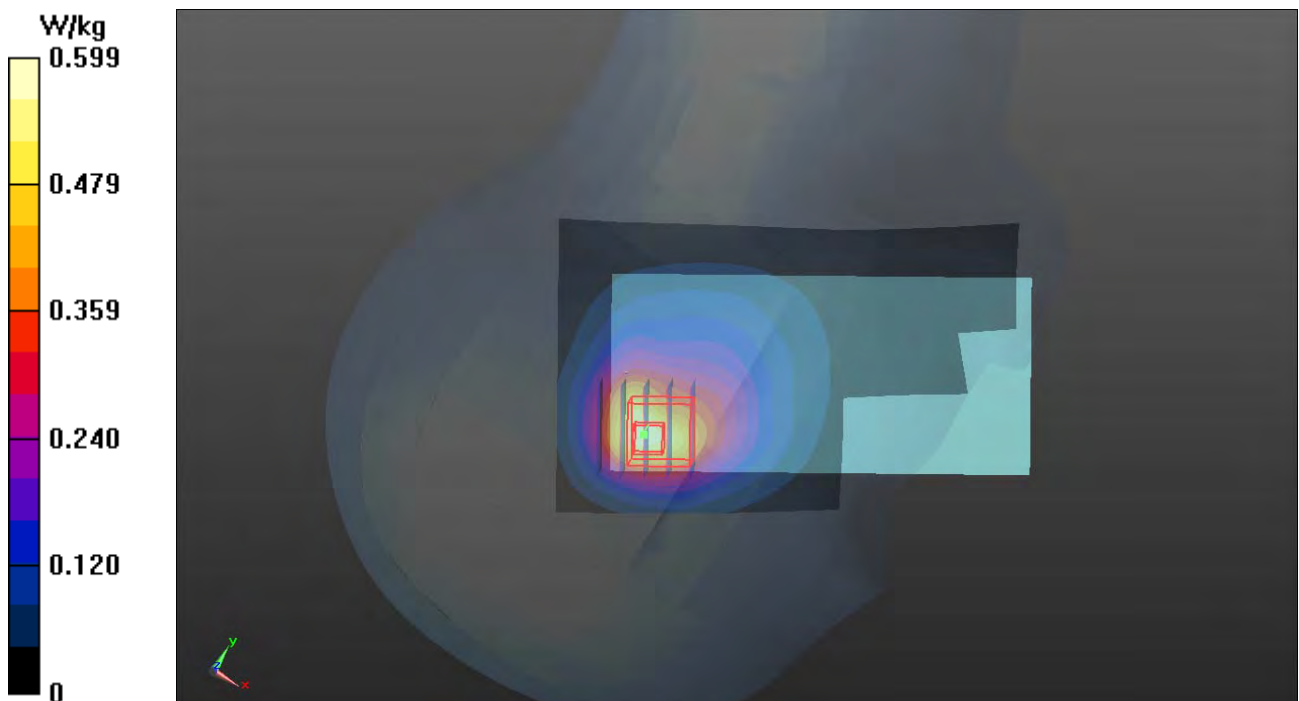
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 17.73 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.745 W/kg

**SAR(1 g) = 0.430 W/kg; SAR(10 g) = 0.262 W/kg**

Maximum value of SAR (measured) = 0.568 W/kg



## P06 LTE 7\_QPSK20M\_Right Cheek\_Ch21100\_Ant1\_1RB\_OS50

**DUT: 141204C02**

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

Medium: H25T26N2\_0123 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.973$  S/m;  $\epsilon_r = 38.013$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.76, 7.76, 7.76); Calibrated: 2014/03/04;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2014/04/23
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.482 W/kg

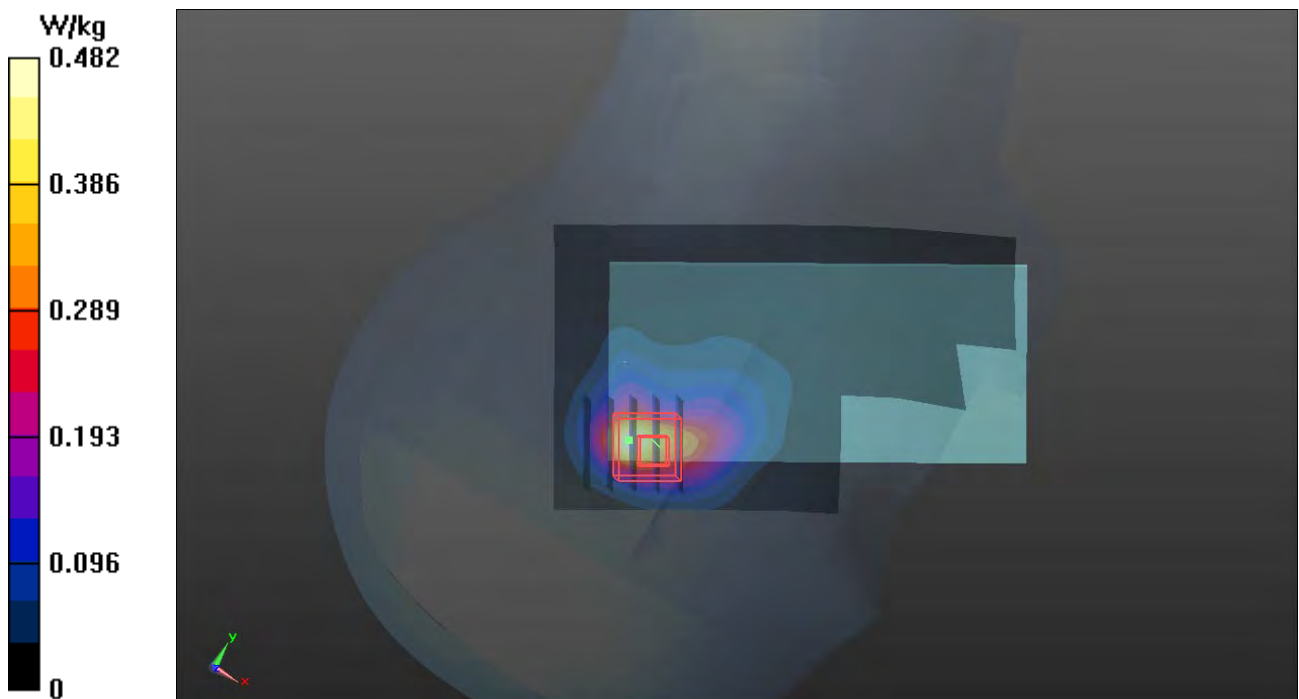
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.508 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.563 W/kg

**SAR(1 g) = 0.258 W/kg; SAR(10 g) = 0.119 W/kg**

Maximum value of SAR (measured) = 0.371 W/kg



## P07 LTE 41\_QPSK20M\_Right Cheek\_Ch40620\_Ant1\_1RB\_OS0

**DUT: 141204C02**

Communication System: LTE TDD CF0; Frequency: 2593 MHz; Duty Cycle: 1:1.58

Medium: H25T27N2\_0119 Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.039$  S/m;  $\epsilon_r = 37.782$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C; Liquid Temperature : 21.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.15, 7.15, 7.15); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.494 W/kg

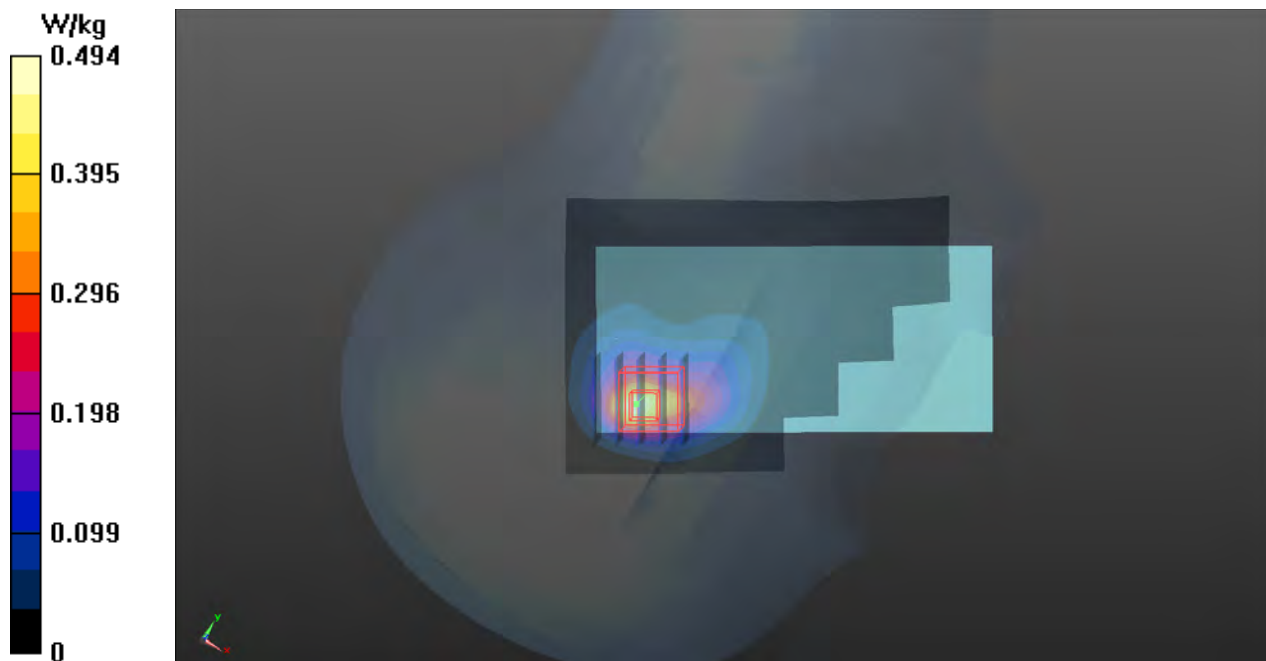
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.729 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.610 W/kg

**SAR(1 g) = 0.285 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.431 W/kg





## P08 802.11b\_Left Cheek\_Ch6

**DUT: 141204C02**

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

Medium: H24T25N1\_0127 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.802$  S/m;  $\epsilon_r = 40.051$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.18, 7.18, 7.18); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (81x151x1)**: Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.498 W/kg

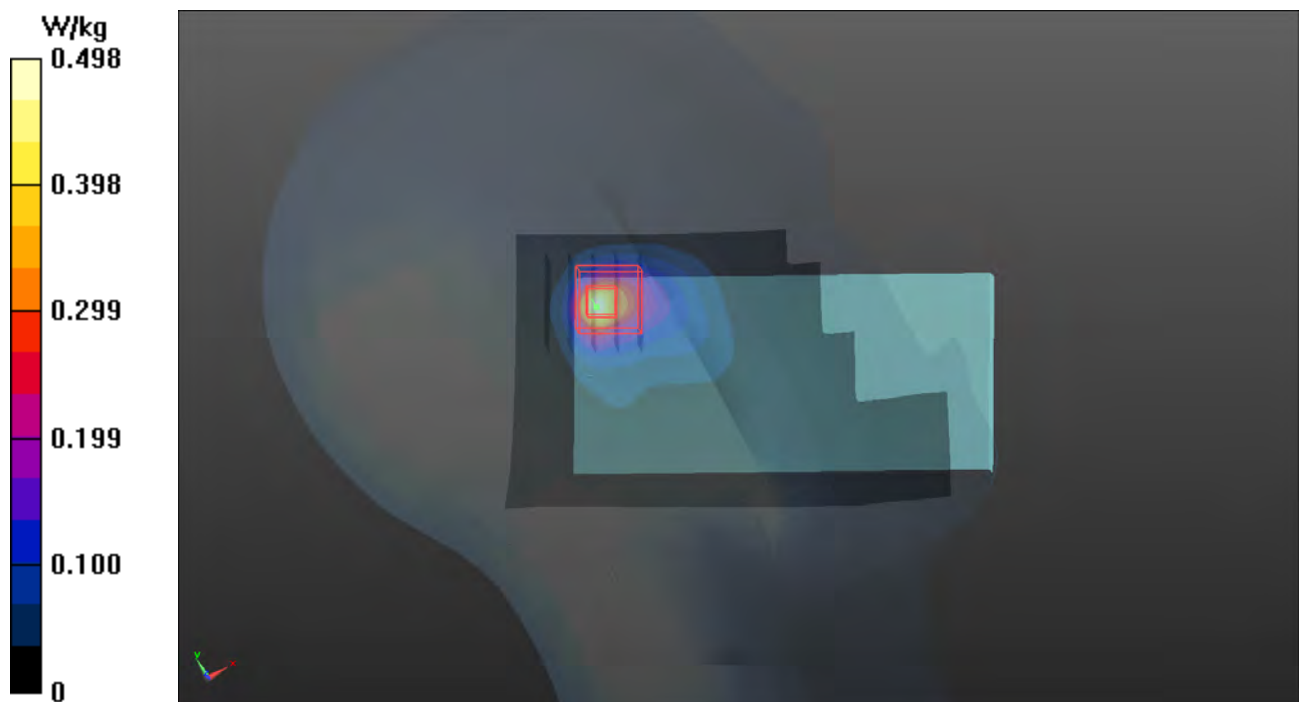
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.485 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 0.794 W/kg

**SAR(1 g) = 0.291 W/kg; SAR(10 g) = 0.119 W/kg**

Maximum value of SAR (measured) = 0.513 W/kg



**P09 802.11a\_Left Cheek\_Ch36****DUT: 141204C02**

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

Medium: H50T60N2\_0108 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 4.792$  S/m;  $\epsilon_r = 37.424$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

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

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

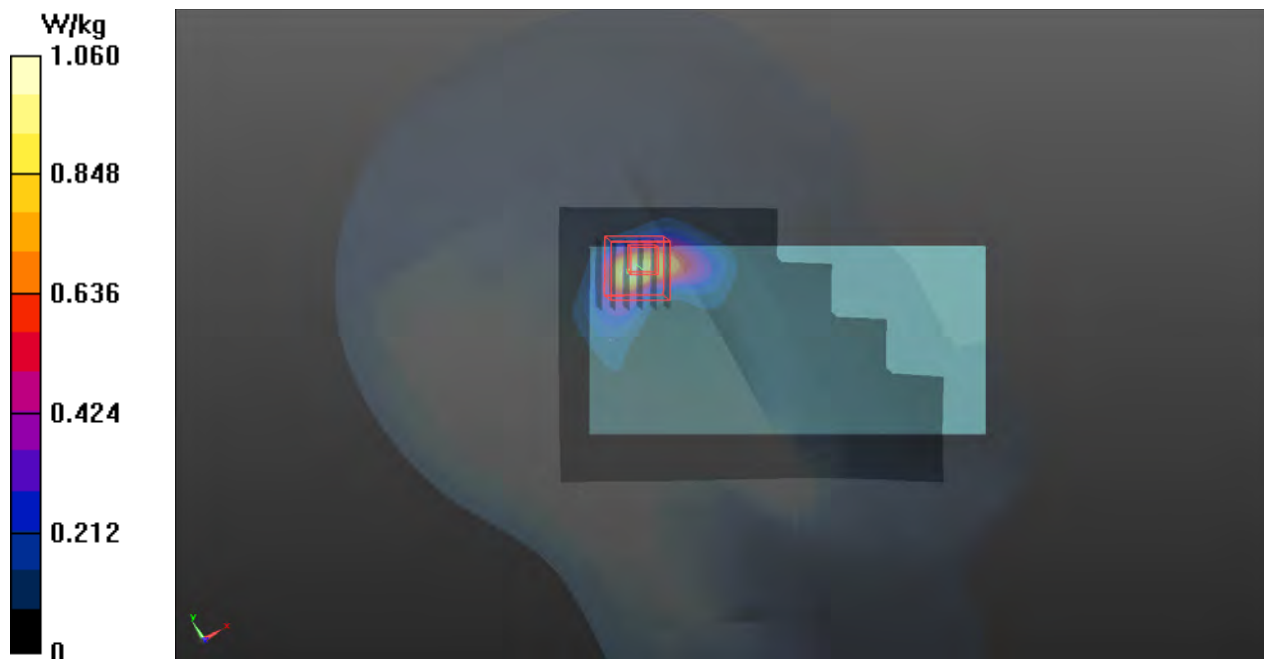
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.376 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.23 W/kg

**SAR(1 g) = 0.560 W/kg; SAR(10 g) = 0.163 W/kg**

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



## P10 802.11a\_Left Cheek\_Ch60

**DUT: 141204C02**

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

Medium: H50T60N2\_0108 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.914$  S/m;  $\epsilon_r = 37.221$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 1.12 W/kg

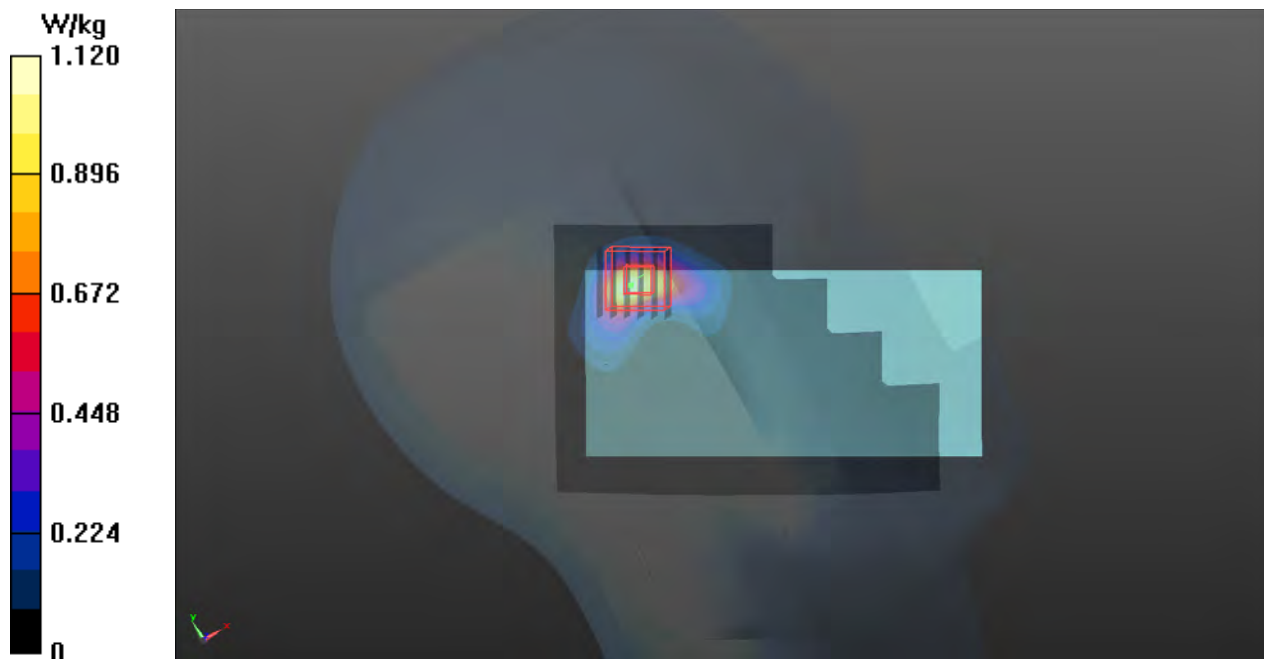
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.711 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 2.17 W/kg

**SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.174 W/kg**

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



## P11 802.11a\_Left Cheek\_Ch116

### DUT: 141204C02

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

Medium: H50T60N2\_0108 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.206$  S/m;  $\epsilon_r = 36.476$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.2 °C

#### DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 0.659 W/kg

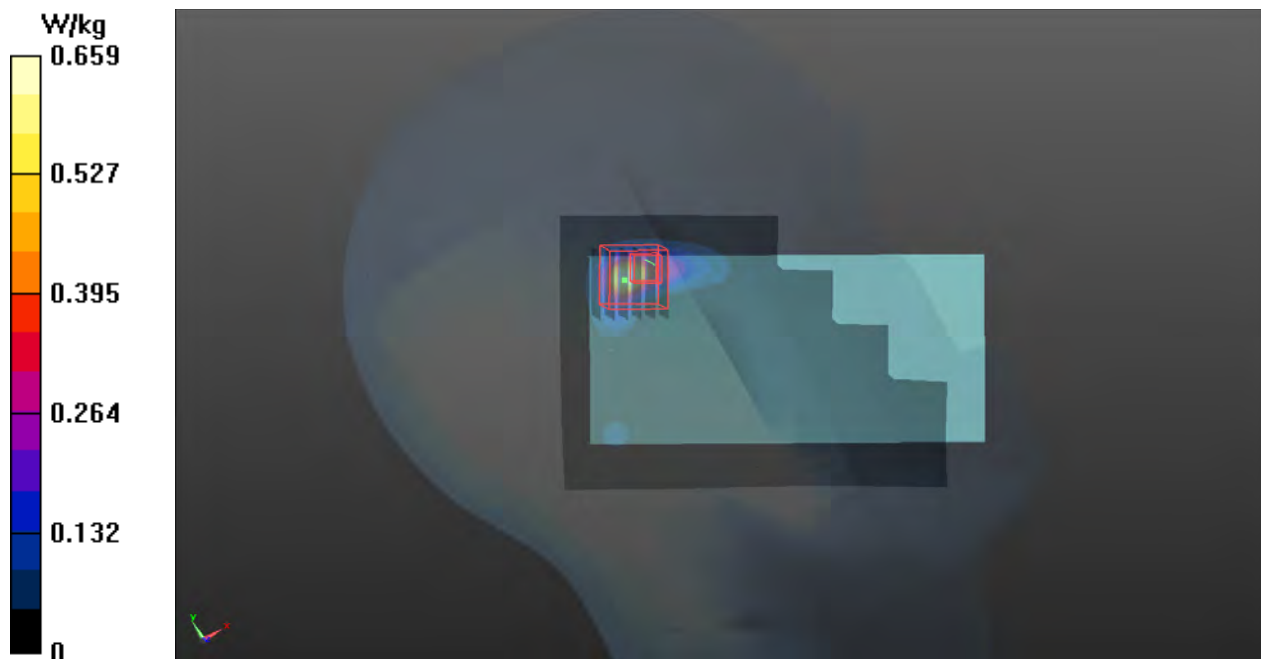
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.662 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.700 W/kg

**SAR(1 g) = 0.194 W/kg; SAR(10 g) = 0.064 W/kg**

Maximum value of SAR (measured) = 0.384 W/kg



## P12 802.11a\_Left Cheek\_Ch157

**DUT: 141204C02**

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

Medium: H50T60N2\_0108 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.402$  S/m;  $\epsilon_r = 36.364$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.6 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

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

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

Maximum value of SAR (interpolated) = 1.20 W/kg

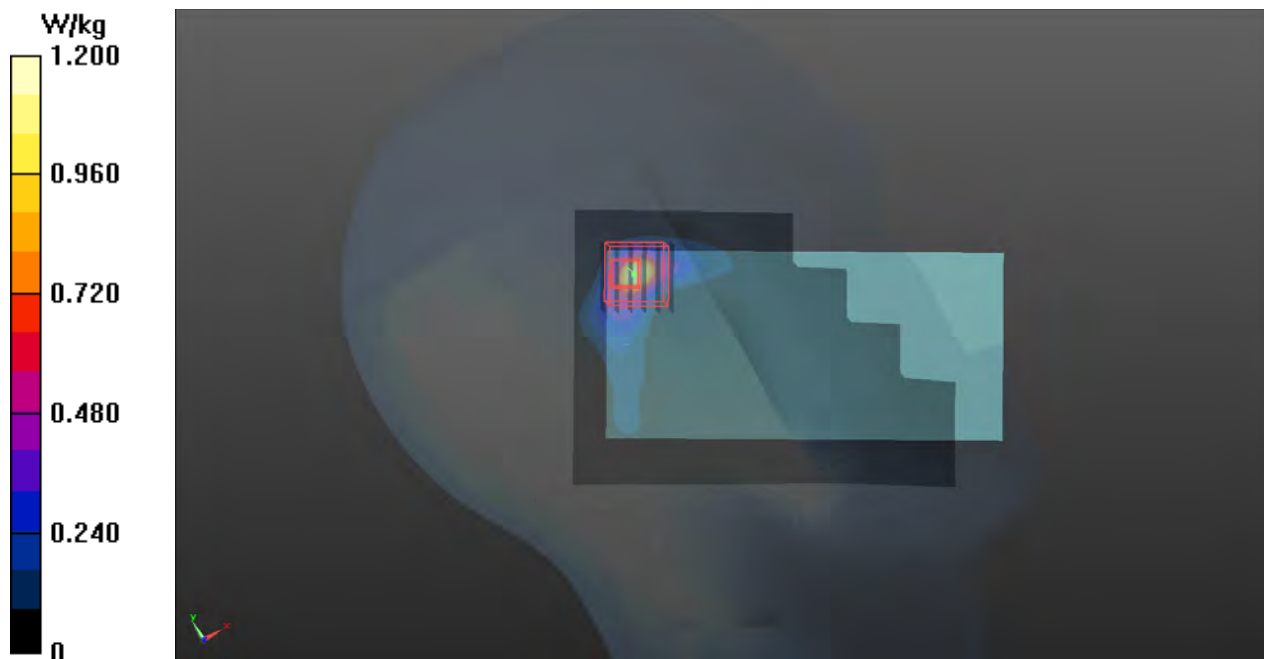
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.879 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 2.27 W/kg

**SAR(1 g) = 0.423 W/kg; SAR(10 g) = 0.103 W/kg**

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



## P13 GSM850\_GPRS12\_Rear Face\_1cm\_Ch189\_Ant0

### DUT: 141204C02

Communication System: GPRS12; Frequency: 836.4 MHz; Duty Cycle: 1:2  
Medium: B08T09N3\_0127 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.957$  S/m;  $\epsilon_r = 55.926$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.3 °C ; Liquid Temperature : 21.5 °C

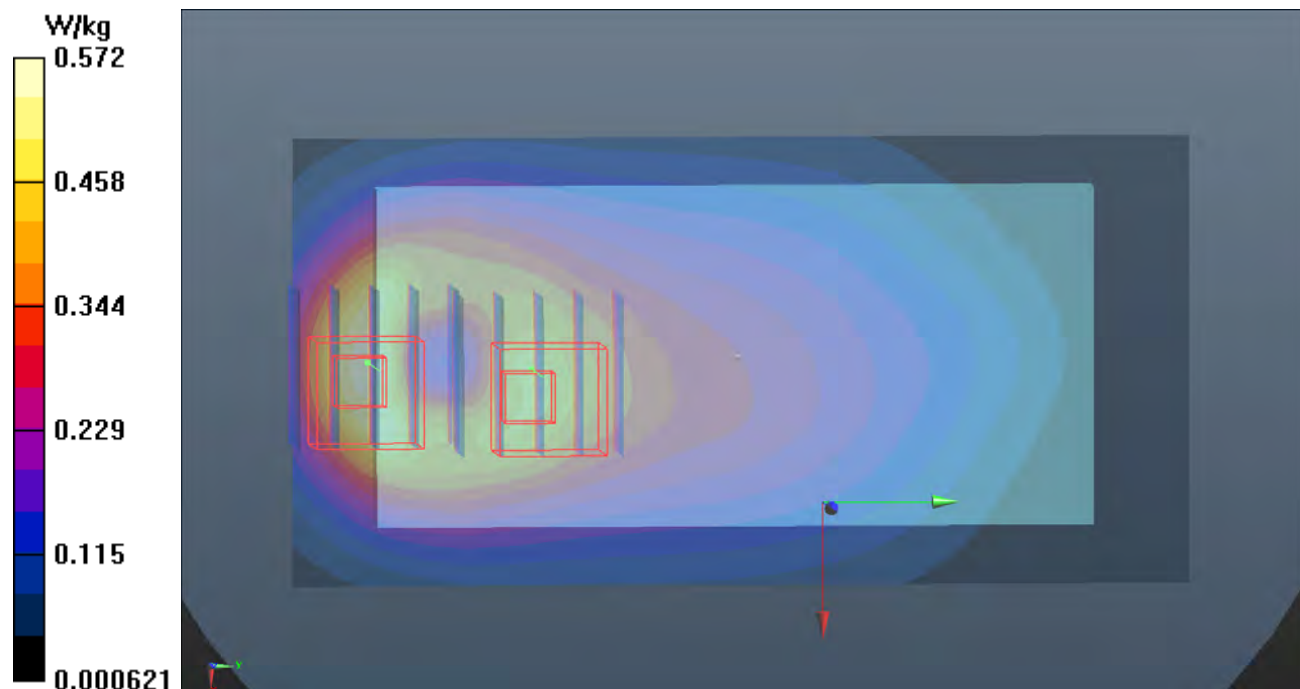
#### DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.7, 9.7, 9.7); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (61x121x1)**: Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.572 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 17.02 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 0.712 W/kg  
**SAR(1 g) = 0.416 W/kg; SAR(10 g) = 0.244 W/kg**  
Maximum value of SAR (measured) = 0.571 W/kg

- **Zoom Scan (5x5x7)/Cube 1**: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 17.02 V/m; Power Drift = -0.04 dB  
Peak SAR (extrapolated) = 0.543 W/kg  
**SAR(1 g) = 0.393 W/kg; SAR(10 g) = 0.276 W/kg**  
Maximum value of SAR (measured) = 0.464 W/kg



## P14 GSM1900\_GPRS12\_Rear Face\_1cm\_Ch661\_Ant1

**DUT: 141204C02**

Communication System: GPRS12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: B18T19N1\_0125 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 53.718$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.68, 7.68, 7.68); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.205 W/kg

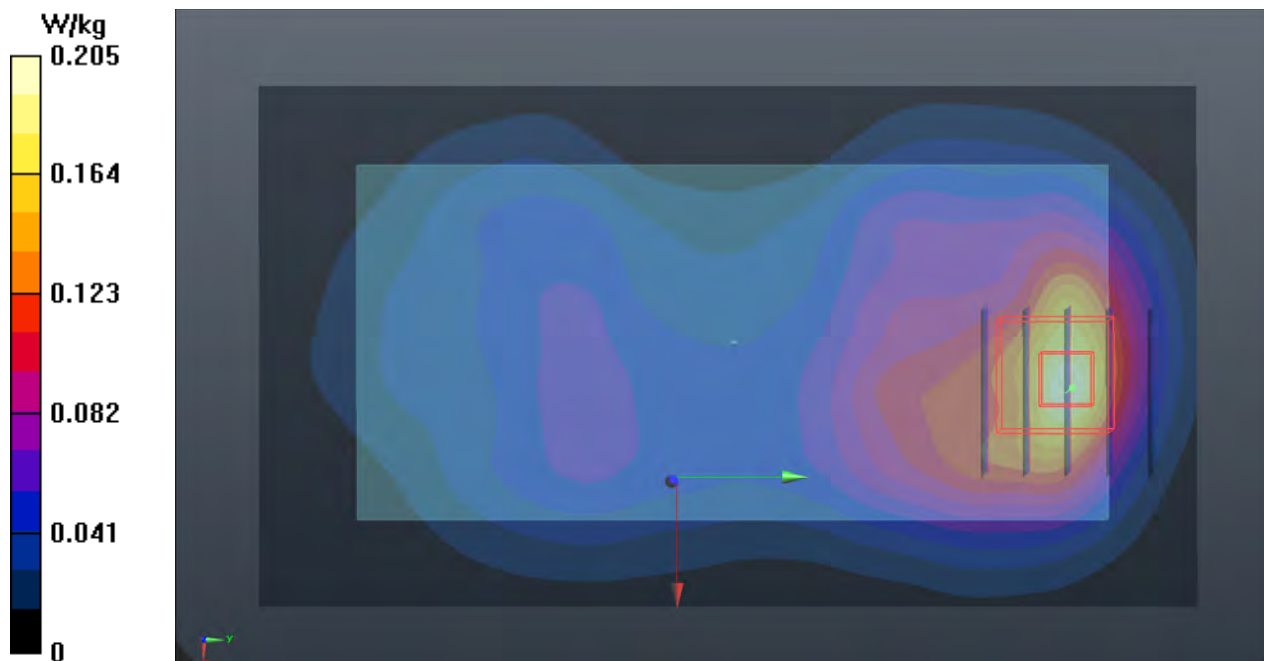
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.080 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.250 W/kg

**SAR(1 g) = 0.143 W/kg; SAR(10 g) = 0.080 W/kg**

Maximum value of SAR (measured) = 0.199 W/kg





## P15 WCDMA II\_RMC12.2K\_Rear Face\_1cm\_Ch9400\_Ant1

**DUT: 141204C02**

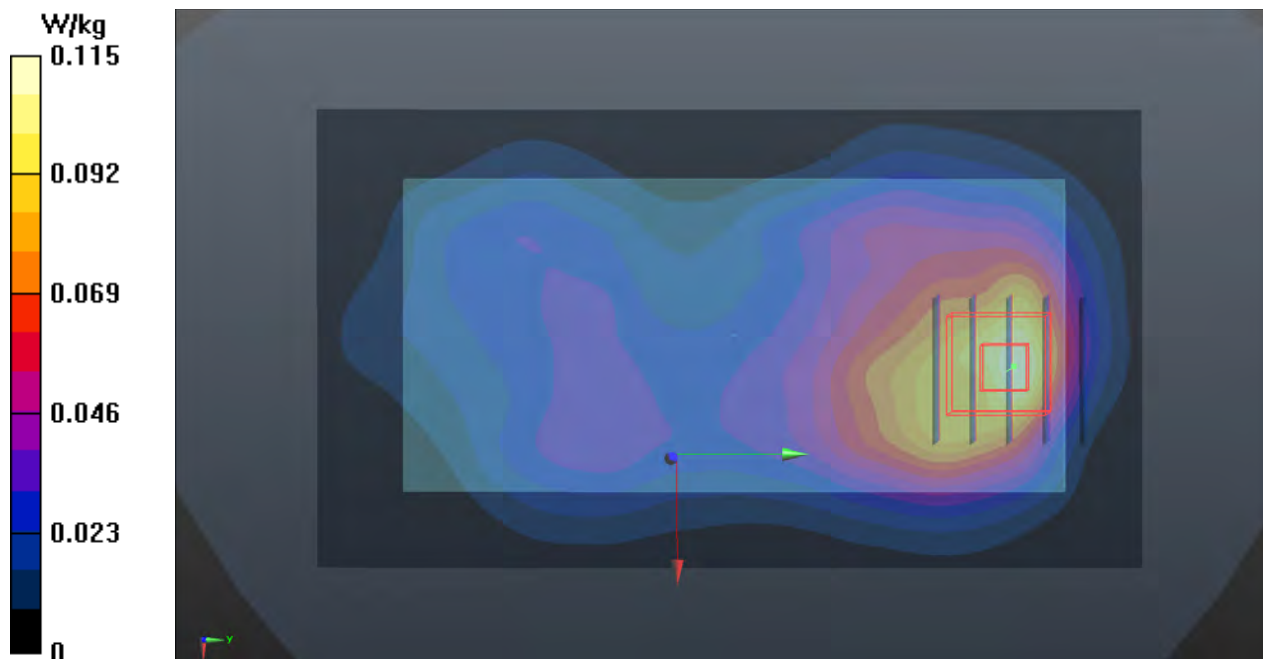
Communication System: WCDMA; Frequency: 1880 MHz; Duty Cycle: 1:1  
 Medium: B18T19N1\_0125 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 53.718$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.68, 7.68, 7.68); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.115 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 4.121 V/m; Power Drift = 0.12 dB  
 Peak SAR (extrapolated) = 0.168 W/kg  
**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.053 W/kg**  
 Maximum value of SAR (measured) = 0.133 W/kg





## P16 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4182\_Ant0

**DUT: 141204C02**

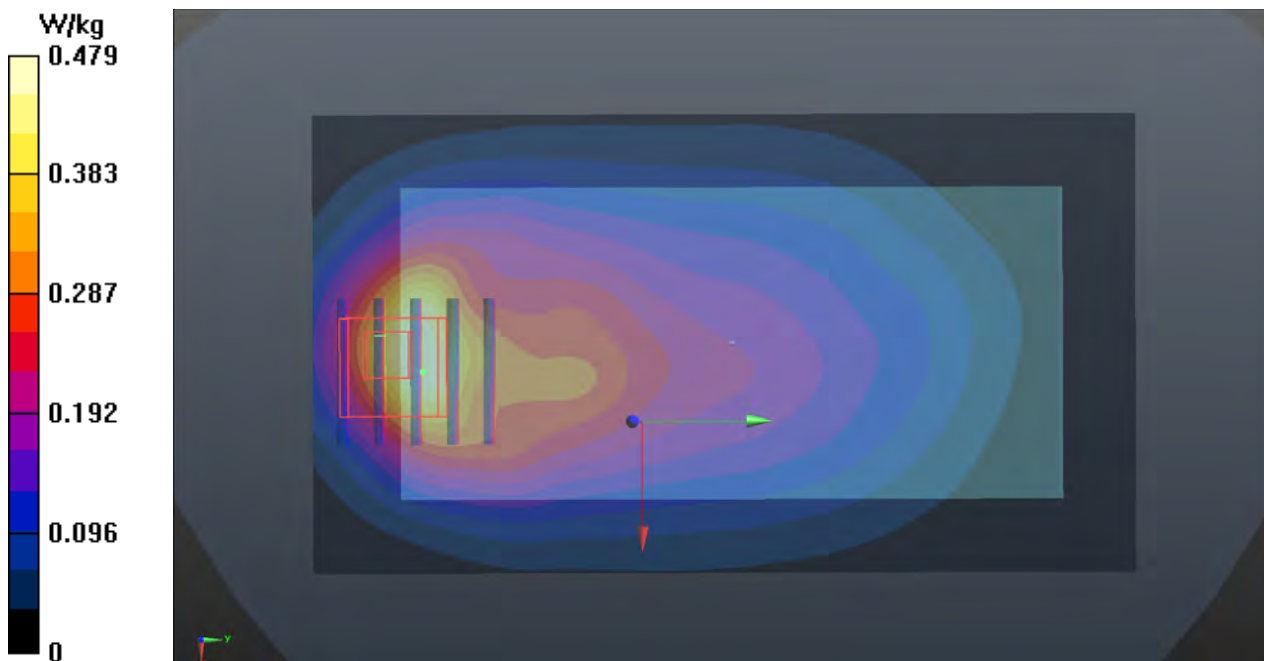
Communication System: WCDMA; Frequency: 836.4 MHz; Duty Cycle: 1:1  
Medium: B08T09N2\_0124 Medium parameters used (interpolated):  $f = 836.4$  MHz;  $\sigma = 0.957$  S/m;  
 $\epsilon_r = 56.044$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.9 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

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

- **Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.479 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.48 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.564 W/kg  
**SAR(1 g) = 0.333 W/kg; SAR(10 g) = 0.192 W/kg**  
Maximum value of SAR (measured) = 0.442 W/kg



**P17 LTE 5\_QPSK10M\_Rear Face\_1cm\_Ch20525\_Ant0\_1RB\_OS49****DUT: 141204C02**

Communication System: LTE; Frequency: 836.5 MHz; Duty Cycle: 1:1

Medium: B08T09N3\_0127 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.957$  S/m;  $\epsilon_r = 55.925$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.3 °C; Liquid Temperature : 21.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(9.7, 9.7, 9.7); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

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

Reference Value = 12.55 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.380 W/kg

**SAR(1 g) = 0.225 W/kg; SAR(10 g) = 0.130 W/kg**

Maximum value of SAR (measured) = 0.304 W/kg

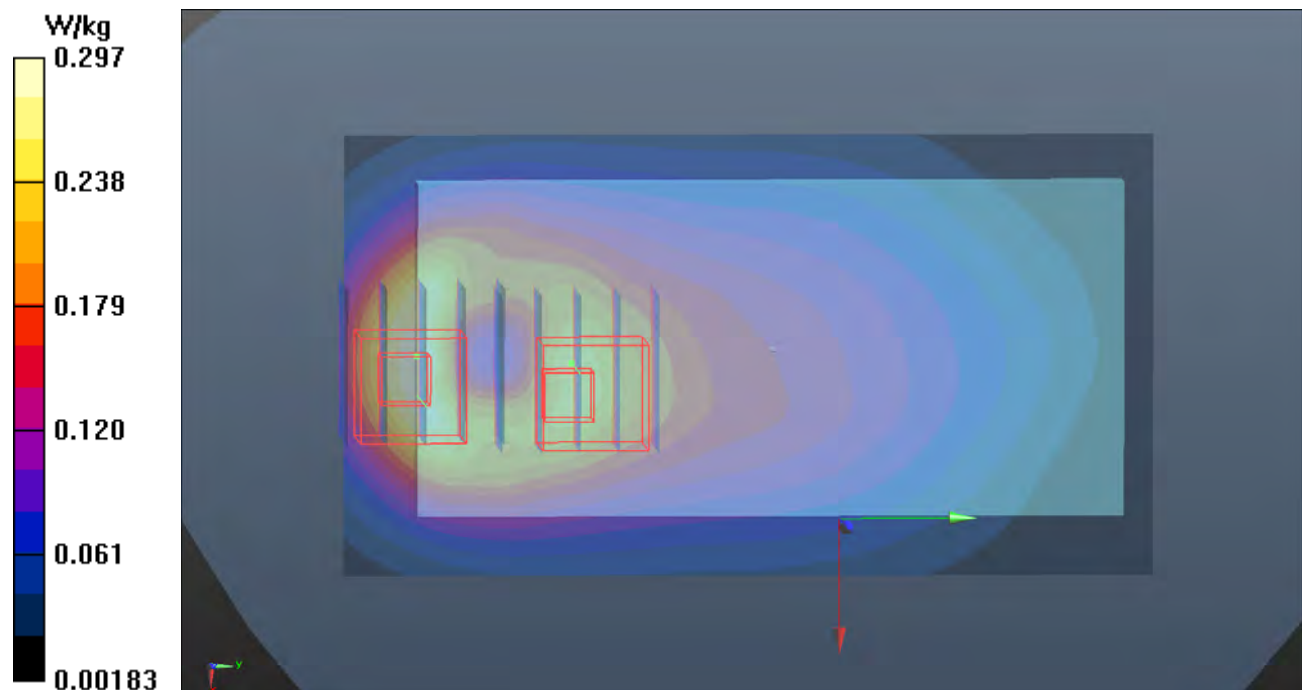
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.55 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.209 W/kg; SAR(10 g) = 0.147 W/kg**

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



**P18 LTE 7\_QPSK20M\_Rear Face\_1cm\_Ch21100\_Ant0\_RB1\_OS50****DUT: 141204C02**

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

Medium: B25T27N1\_0124 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.106$  S/m;  $\epsilon_r = 52.364$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(6.99, 6.99, 6.99); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.290 W/kg

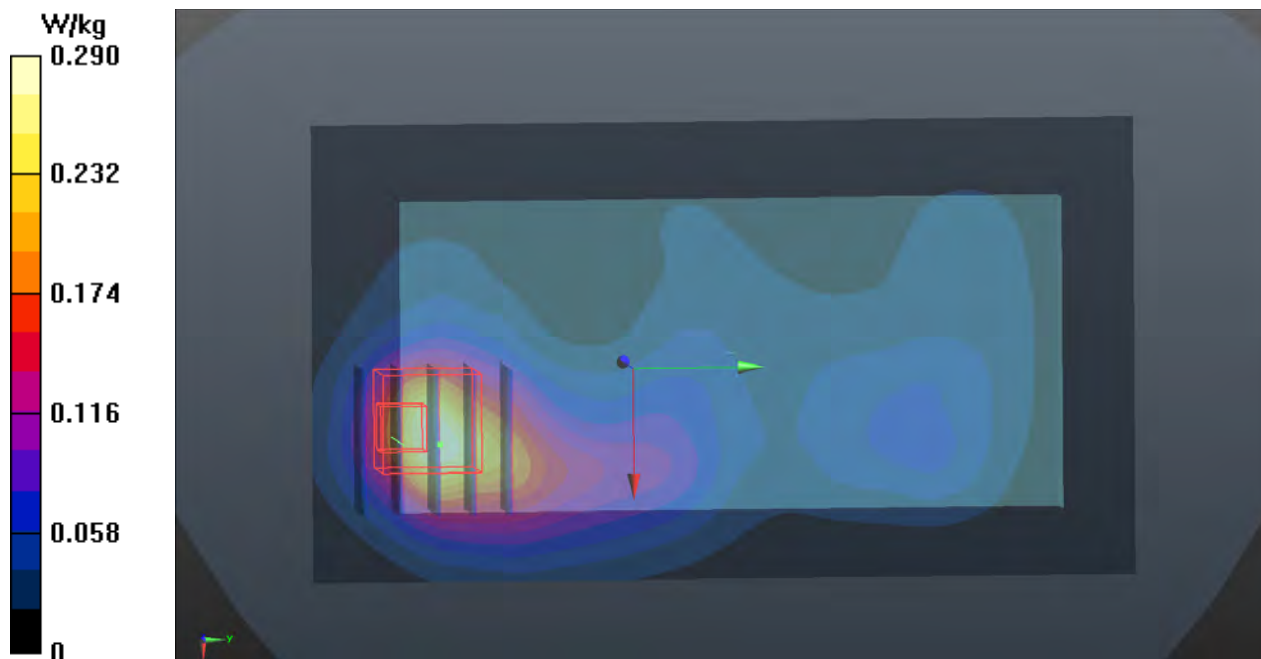
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.623 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.340 W/kg

**SAR(1 g) = 0.155 W/kg; SAR(10 g) = 0.076 W/kg**

Maximum value of SAR (measured) = 0.240 W/kg



**P19 LTE 41\_QPSK20M\_Rear Face\_1cm\_Ch40620\_Ant0\_RB1\_OS0****DUT: 141204C02**

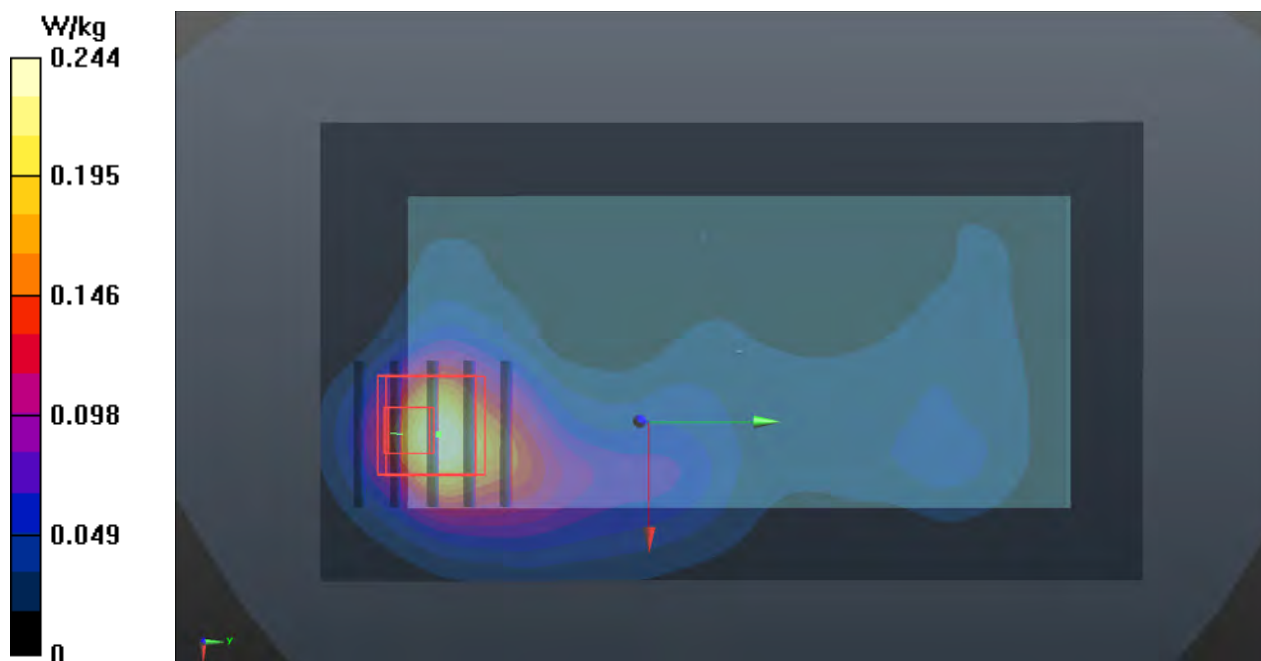
Communication System: LTE TDD CF0; Frequency: 2593 MHz; Duty Cycle: 1:1.58  
Medium: B25T27N1\_0124 Medium parameters used:  $f = 2593$  MHz;  $\sigma = 2.183$  S/m;  $\epsilon_r = 52.177$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.0 °C; Liquid Temperature : 21.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(6.99, 6.99, 6.99); Calibrated: 2014/03/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2014/03/24
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (91x151x1)**: Interpolated grid: dx=1.200 mm, dy=1.200 mm  
Maximum value of SAR (interpolated) = 0.244 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 3.346 V/m; Power Drift = 0.08 dB  
Peak SAR (extrapolated) = 0.274 W/kg  
**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.060 W/kg**  
Maximum value of SAR (measured) = 0.195 W/kg



## P20 802.11b\_Rear Face\_1cm\_Ch6

**DUT: 141203C07**

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

Medium: B24T25N1\_0126 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.953$  S/m;  $\epsilon_r = 51.413$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.14, 7.14, 7.14); Calibrated: 2014/07/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2014/08/26
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0932 W/kg

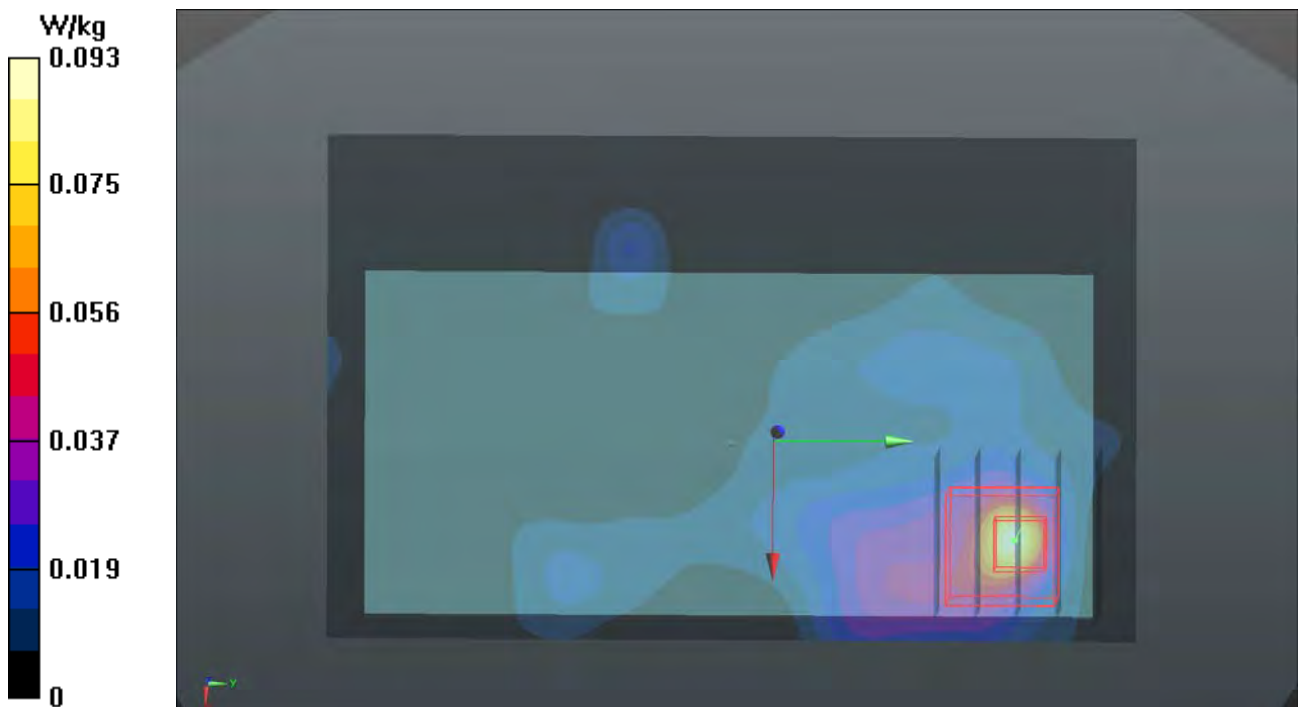
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 1.379 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0810 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.018 W/kg**

Maximum value of SAR (measured) = 0.0603 W/kg



## P21 802.11a\_Front Face\_1cm\_Ch36

**DUT: 141203C07**

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

Medium: B50T60N1\_0126 Medium parameters used:  $f = 5180$  MHz;  $\sigma = 5.321$  S/m;  $\epsilon_r = 47.669$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.49, 4.49, 4.49); Calibrated: 2014/07/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2014/08/26
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.202 W/kg

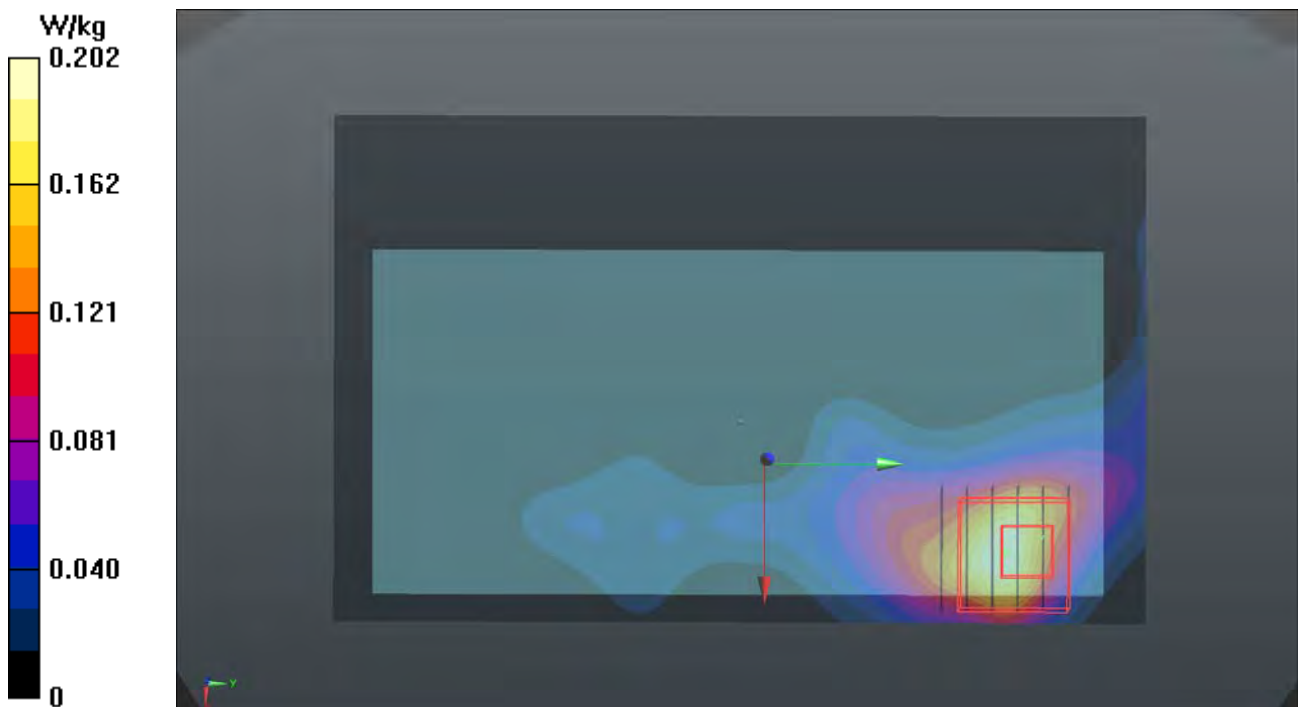
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.6700 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.364 W/kg

**SAR(1 g) = 0.097 W/kg; SAR(10 g) = 0.035 W/kg**

Maximum value of SAR (measured) = 0.178 W/kg



## P22 802.11a\_Front Face\_1cm\_Ch60

**DUT: 141203C07**

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

Medium: B50T60N1\_0126 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.488$  S/m;  $\epsilon_r = 47.439$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.16, 4.16, 4.16); Calibrated: 2014/07/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2014/08/26
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.233 W/kg

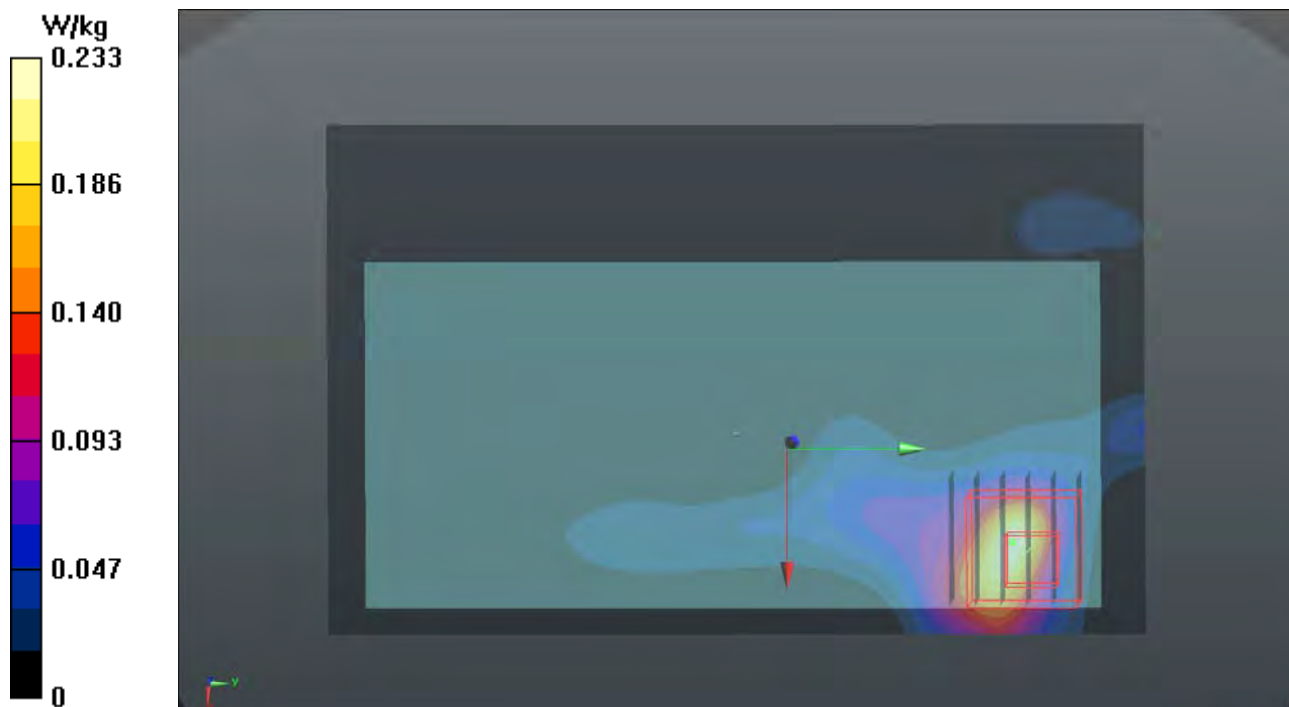
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.096 W/kg; SAR(10 g) = 0.033 W/kg**

Maximum value of SAR (measured) = 0.183 W/kg





## P23 802.11a\_Front Face\_1cm\_Ch116

**DUT: 141203C07**

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

Medium: B50T60N1\_0126 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.86$  S/m;  $\epsilon_r = 46.89$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(3.77, 3.77, 3.77); Calibrated: 2014/07/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2014/08/26
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0775 W/kg

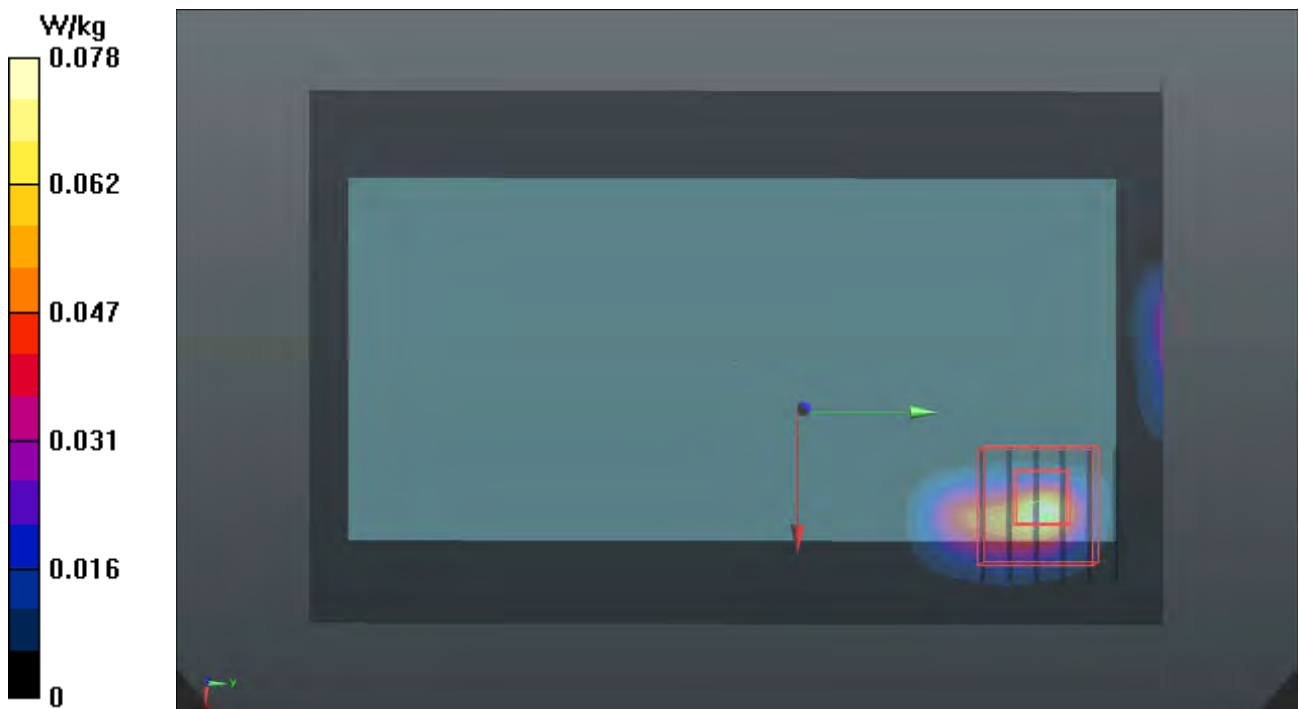
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.197 W/kg

**SAR(1 g) = 0.039 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0803 W/kg





## P24 802.11a\_Front Face\_1cm\_Ch157

**DUT: 141203C07**

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

Medium: B50T60N1\_0126 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.159$  S/m;  $\epsilon_r = 46.545$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.01, 4.01, 4.01); Calibrated: 2014/07/25;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn510; Calibrated: 2014/08/26
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

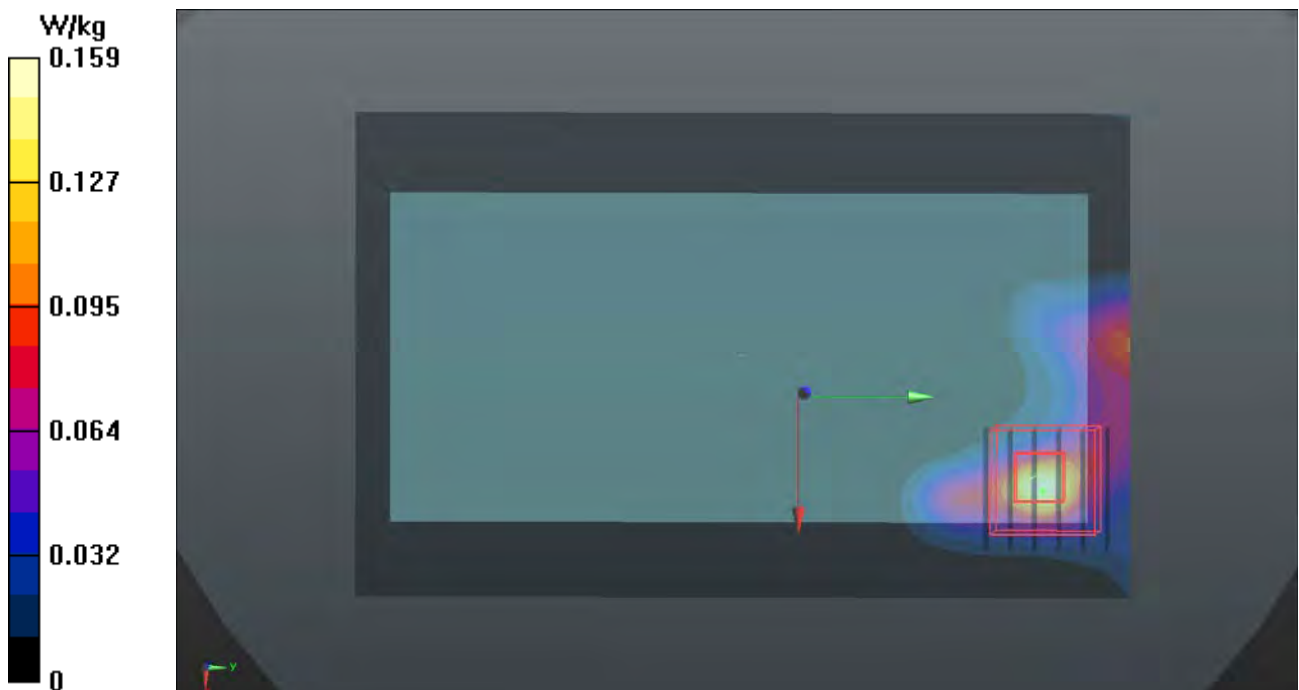
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.333 W/kg

**SAR(1 g) = 0.082 W/kg; SAR(10 g) = 0.029 W/kg**

Maximum value of SAR (measured) = 0.160 W/kg



## P25 GSM1900\_GPRS12\_Top Side\_1cm\_Ch661\_Ant1

**DUT: 141204C02**

Communication System: GPRS12; Frequency: 1880 MHz; Duty Cycle: 1:2

Medium: B18T19N1\_0127 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.527$  S/m;  $\epsilon_r = 53.432$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.4 °C; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.41, 7.41, 7.41); Calibrated: 2014/07/28;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2014/07/22
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (41x61x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.384 W/kg

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

Reference Value = 14.63 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.437 W/kg

**SAR(1 g) = 0.269 W/kg; SAR(10 g) = 0.148 W/kg**

Maximum value of SAR (measured) = 0.362 W/kg

