



## Appendix B. SAR Plots of SAR Measurement

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

## P01 GSM850\_GPRS10\_Right Cheek\_Ch128\_Sample1\_Ant1

### DUT: 131113C12

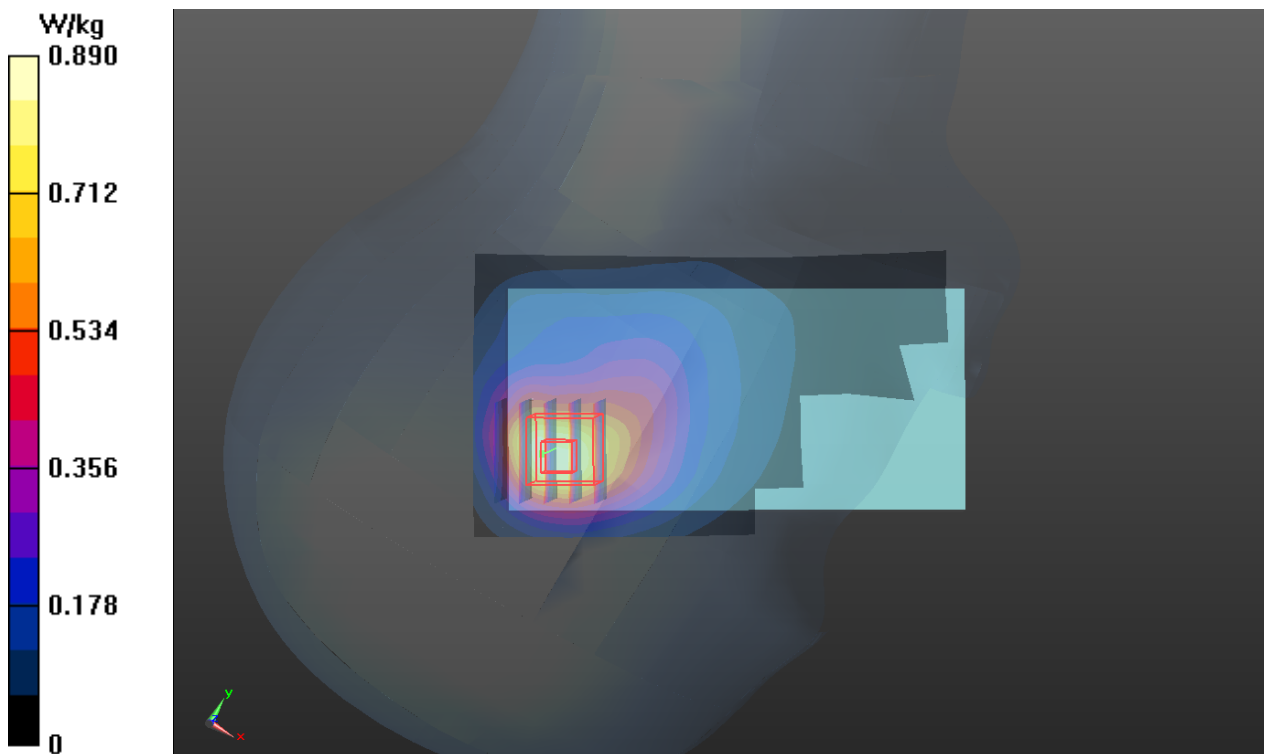
Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4  
Medium: H835\_1216 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.877$  S/m;  $\epsilon_r = 43.013$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.0 °C; Liquid Temperature : 20.4 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.37, 9.37, 9.37); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x111x1):** Interpolated grid: dx=1.500 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 = 21.443 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 1.15 W/kg  
**SAR(1 g) = 0.706 W/kg; SAR(10 g) = 0.436 W/kg**  
Maximum value of SAR (measured) = 0.908 W/kg



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

**DUT: 131113C12**

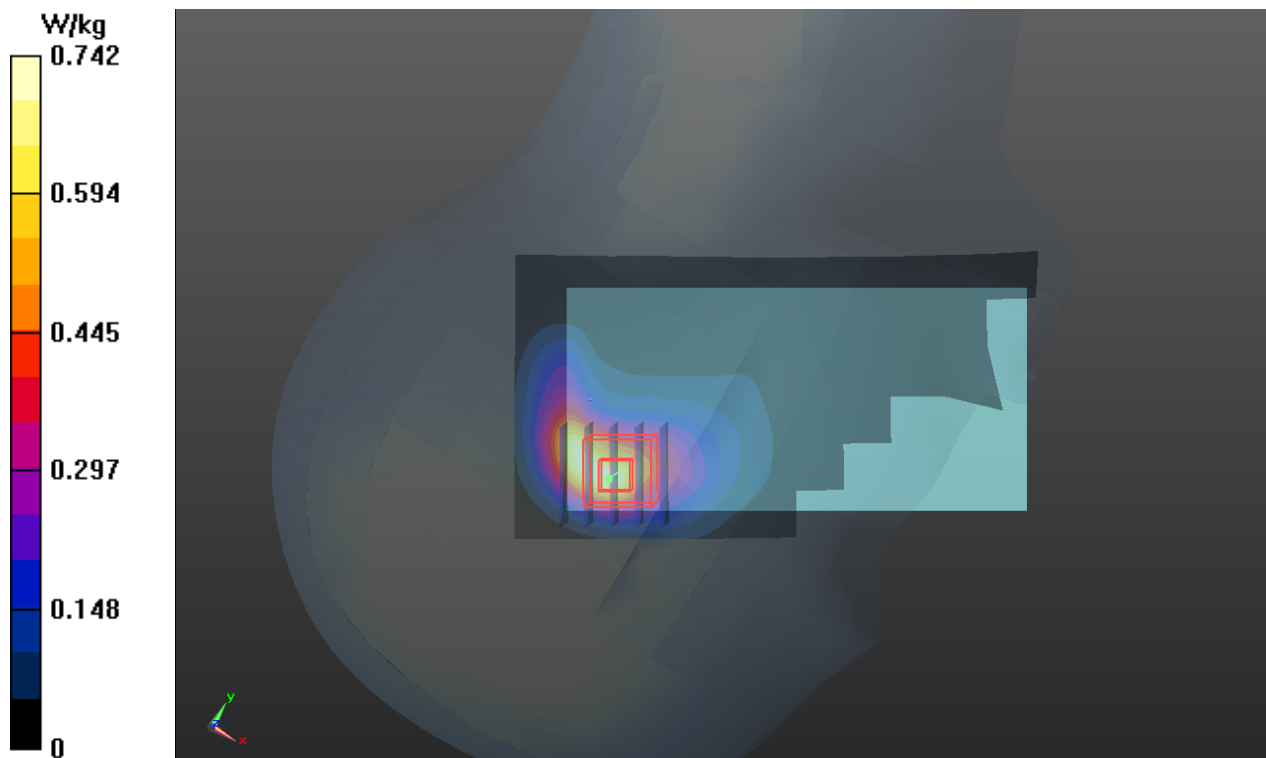
Communication System: GPRS10; Frequency: 1880 MHz; Duty Cycle: 1:4  
 Medium: H1900\_0101 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.365$  S/m;  $\epsilon_r = 40.79$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.73, 7.73, 7.73); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
 Maximum value of SAR (interpolated) = 0.742 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 11.540 V/m; Power Drift = 0.13 dB  
 Peak SAR (extrapolated) = 0.838 W/kg  
**SAR(1 g) = 0.475 W/kg; SAR(10 g) = 0.262 W/kg**  
 Maximum value of SAR (measured) = 0.630 W/kg



**P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9262\_Sample1\_Ant1****DUT: 131113C12**

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

Medium: H1900\_1217 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.34$  S/m;  $\epsilon_r = 39.867$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.5 °C; Liquid Temperature : 20.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(7.73, 7.73, 7.73); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

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

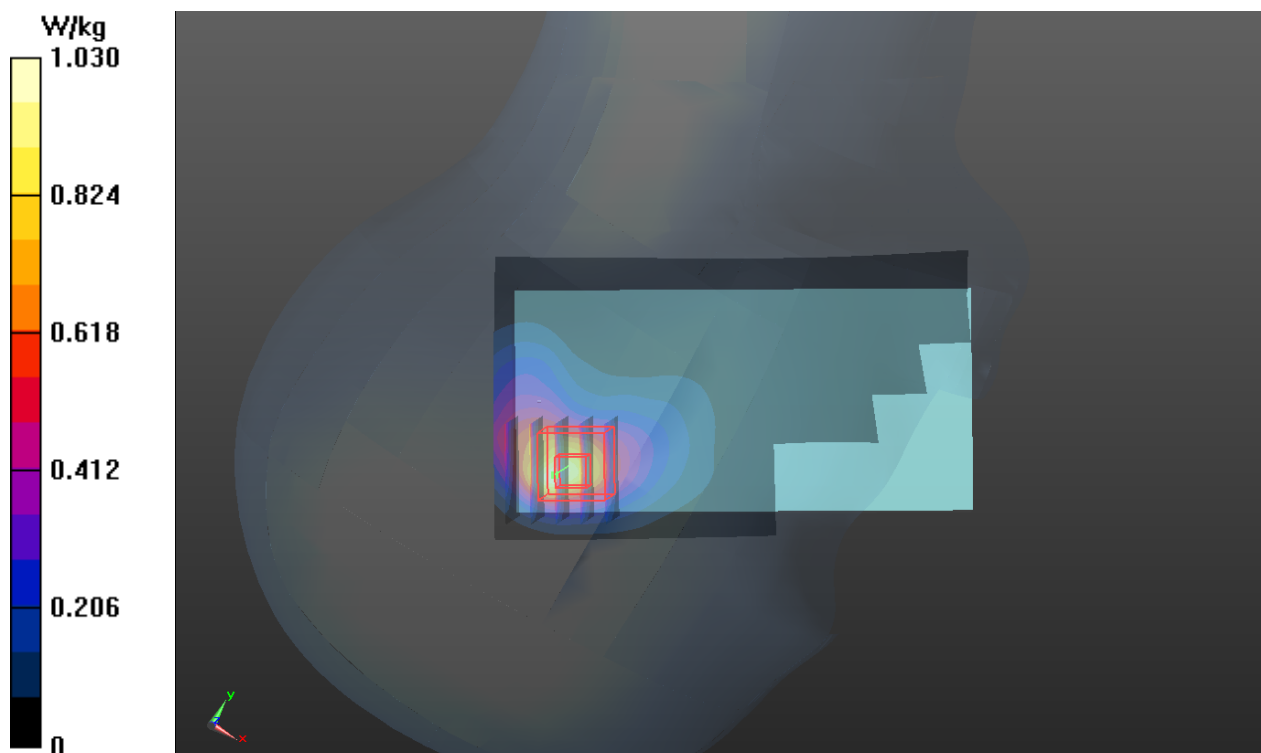
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.189 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 1.30 W/kg

**SAR(1 g) = 0.729 W/kg; SAR(10 g) = 0.392 W/kg**

Maximum value of SAR (measured) = 0.995 W/kg



**P04 WCDMA V\_RMC12.2K\_Right Cheek\_Ch4233\_Sample1\_Ant1****DUT: 131113C12**

Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1

Medium: H835\_1216 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.901$  S/m;  $\epsilon_r = 42.752$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.0 °C; Liquid Temperature : 20.4 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(9.37, 9.37, 9.37); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.332 W/kg

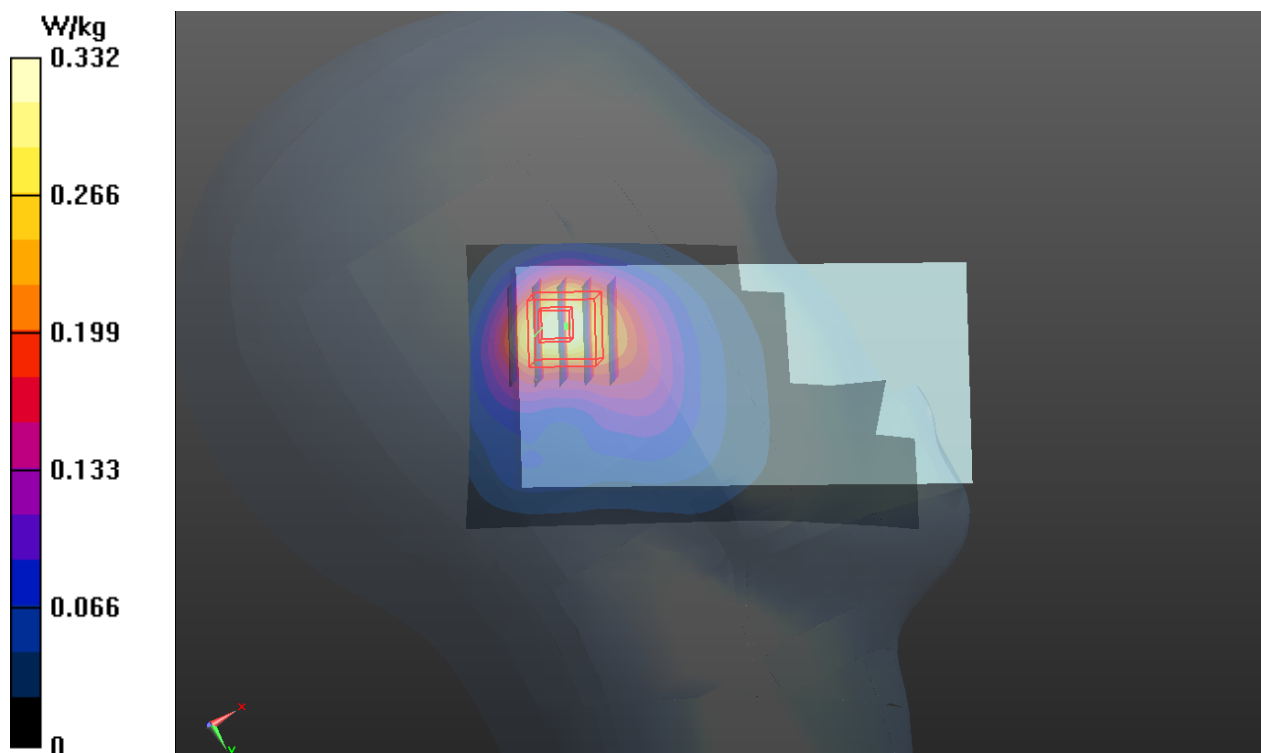
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.215 V/m; Power Drift = 0.10 dB

Peak SAR (extrapolated) = 0.450 W/kg

**SAR(1 g) = 0.274 W/kg; SAR(10 g) = 0.167 W/kg**

Maximum value of SAR (measured) = 0.355 W/kg



### P05 LTE 7\_QPSK\_20M\_Left Cheek\_Ch21100\_Sample1\_Ant0\_1RB\_OS50

**DUT: 131113C12**

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

Medium: H2600\_1231 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.978$  S/m;  $\epsilon_r = 38.292$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3801; ConvF(6.92, 6.92, 6.92); Calibrated: 2013/06/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2013/04/24
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1127
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.879 W/kg

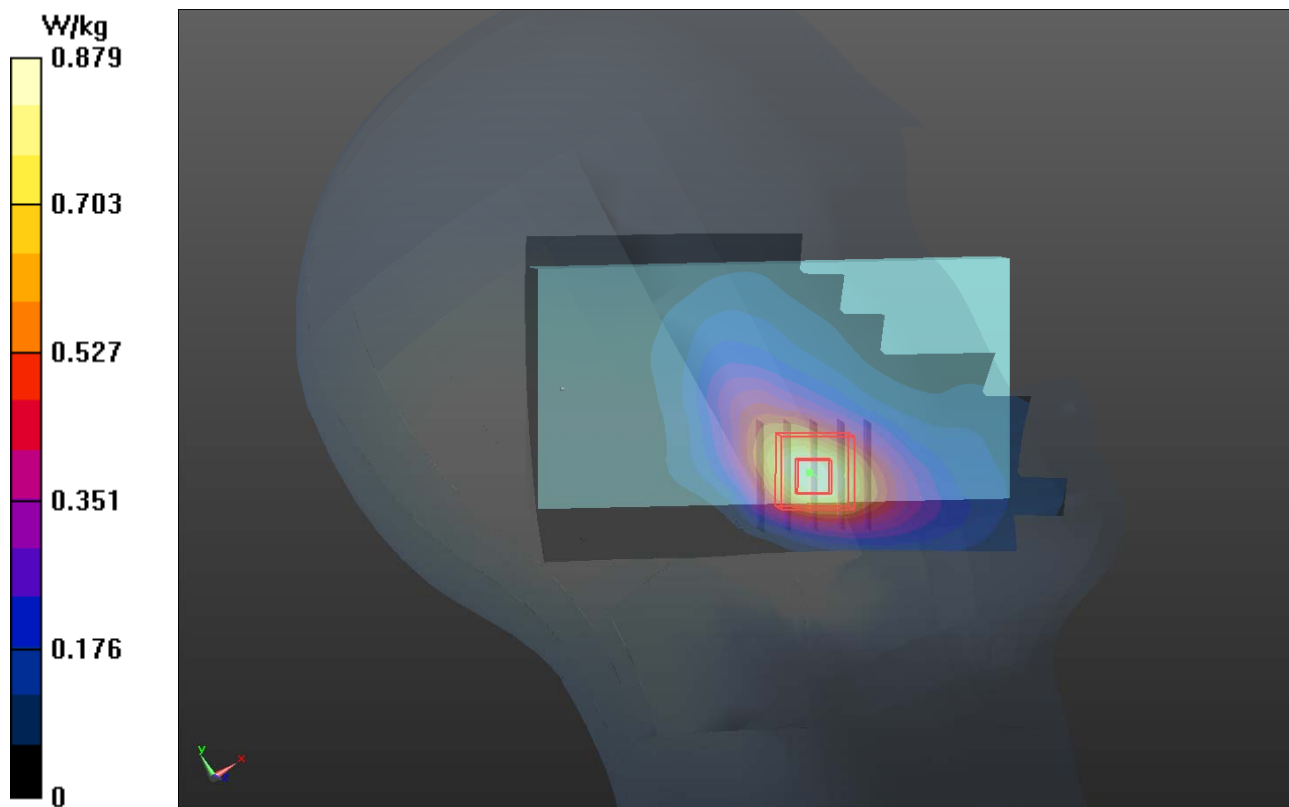
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.173 V/m; Power Drift = -0.12 dB

Peak SAR (extrapolated) = 1.19 W/kg

**SAR(1 g) = 0.615 W/kg; SAR(10 g) = 0.320 W/kg**

Maximum value of SAR (measured) = 0.882 W/kg



### P06 802.11b\_Left Cheek\_Ch6\_Sample1

#### DUT: 131113C12

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

Medium: H2450\_1210 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.863$  S/m;  $\epsilon_r = 38.839$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.3°C; Liquid Temperature : 20.4 °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) = 0.853 W/kg

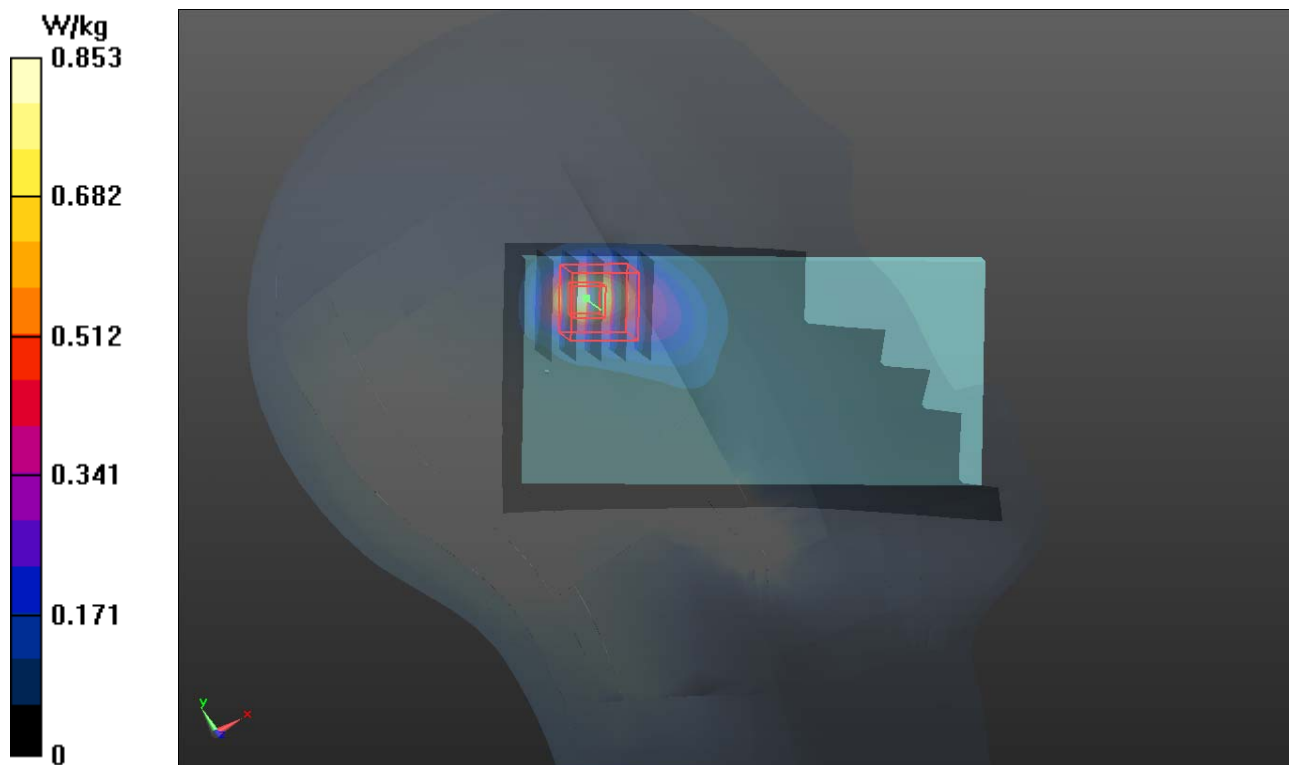
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.681 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.13 W/kg

**SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.238 W/kg**

Maximum value of SAR (measured) = 0.775 W/kg



### P07 802.11n\_HT20\_Left Cheek\_Ch48\_Sample1

**DUT: 131113C12**

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

Medium: H5G\_1209 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 4.704$  S/m;  $\epsilon_r = 36.775$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1°C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(5.33, 5.33, 5.33); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- 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) = 0.283 W/kg

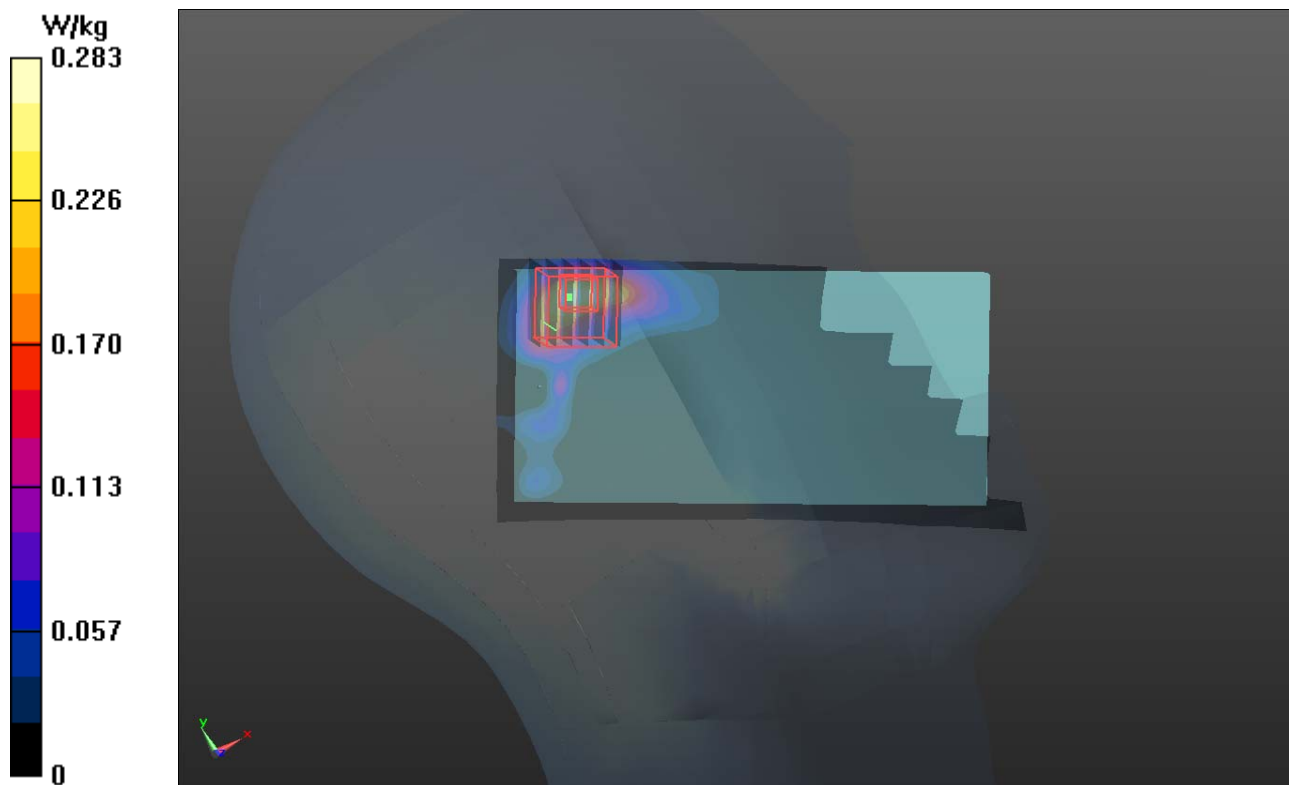
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.216 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.497 W/kg

**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.047 W/kg**

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





### P08 802.11n\_HT20\_Left Cheek\_Ch60\_Sample1

**DUT: 131113C12**

Communication System: WLAN\_5G; Frequency: 5300 MHz; Duty Cycle: 1:1.14

Medium: H5G\_1209 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.712$  S/m;  $\epsilon_r = 36.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1°C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(5.13, 5.13, 5.13); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (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) = 0.276 W/kg

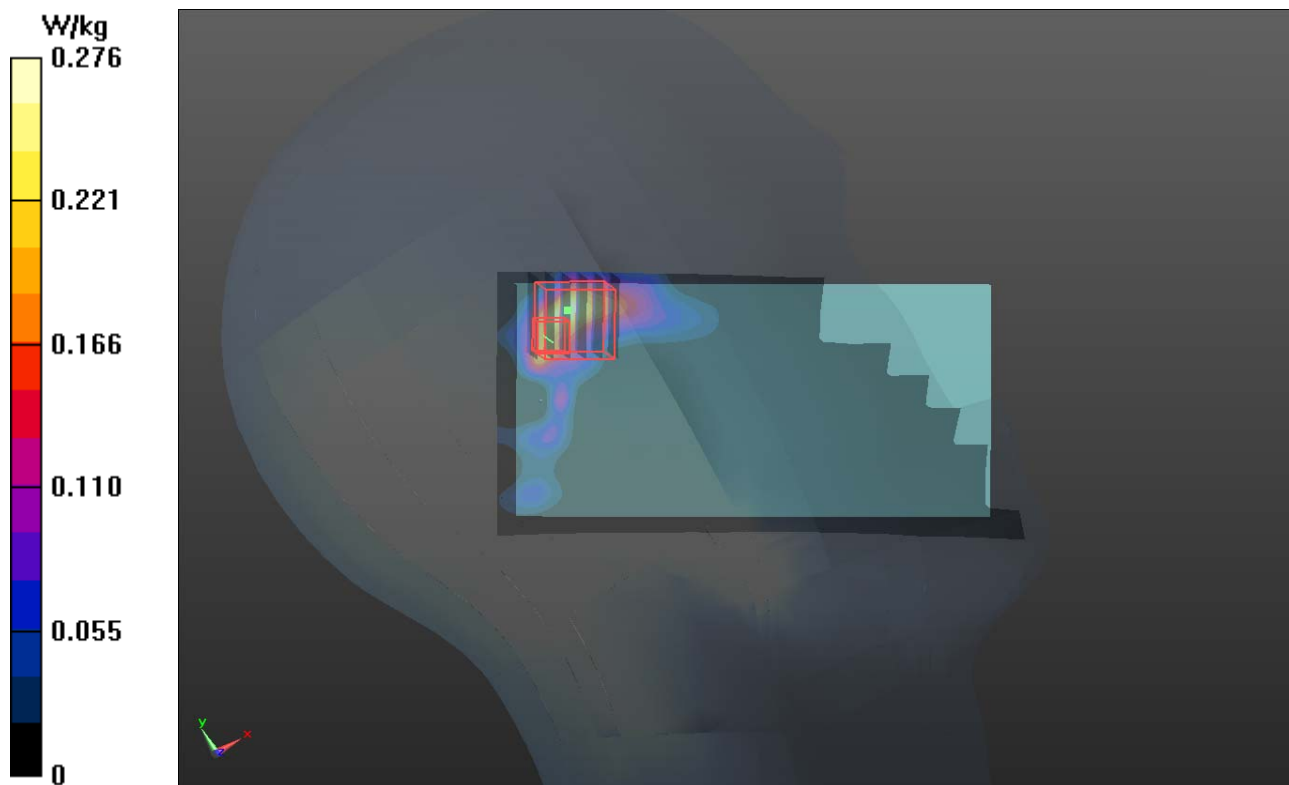
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.968 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.671 W/kg

**SAR(1 g) = 0.111 W/kg; SAR(10 g) = 0.042 W/kg**

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



### P09 802.11a\_Left Cheek\_Ch100\_Sample1

**DUT: 131113C12**

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

Medium: H5G\_1209 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 4.979$  S/m;  $\epsilon_r = 36.646$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1°C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.96, 4.96, 4.96); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (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) = 0.173 W/kg

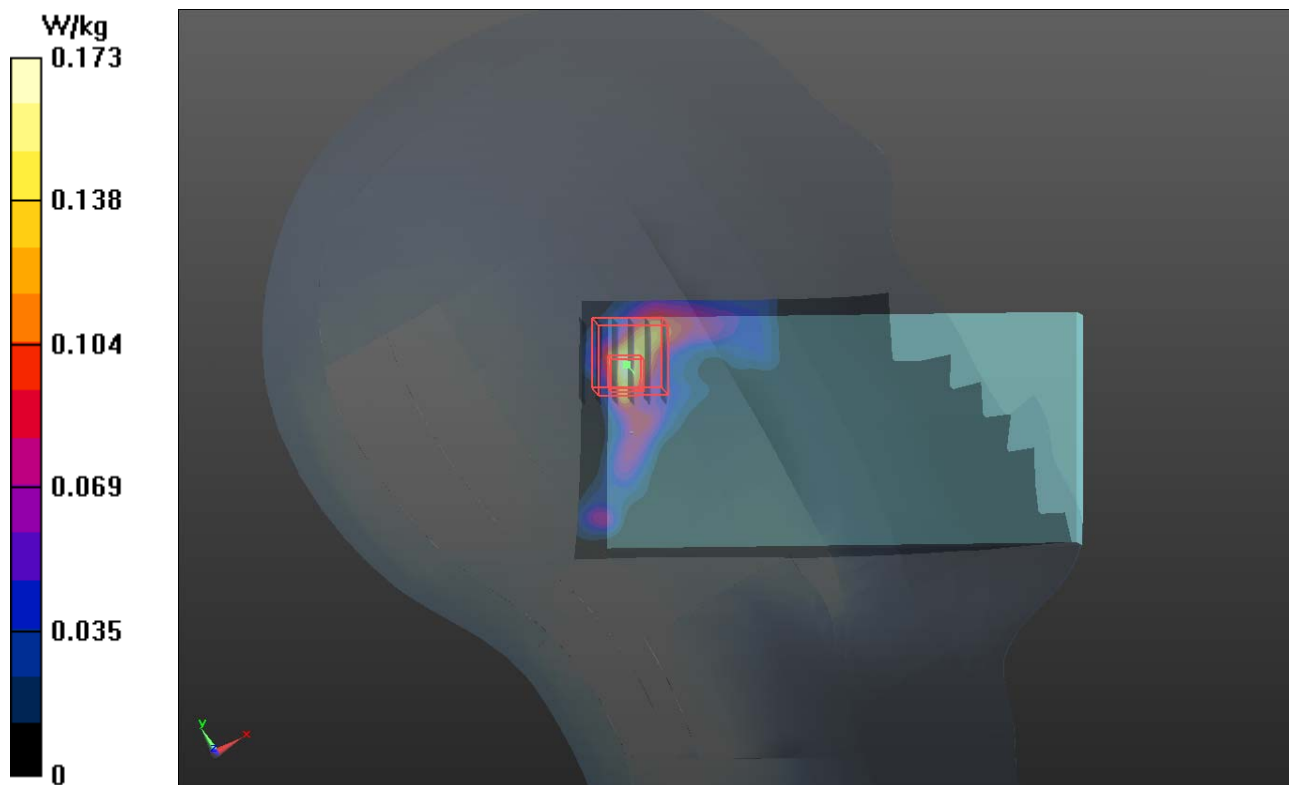
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.471 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.830 W/kg

**SAR(1 g) = 0.102 W/kg; SAR(10 g) = 0.026 W/kg**

Maximum value of SAR (measured) = 0.273 W/kg



## P10 802.11a\_Right Tilted\_Ch157\_Sample1

**DUT: 131113C12**

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

Medium: H5G\_1209 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.154$  S/m;  $\epsilon_r = 36.108$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1°C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.67, 4.67, 4.67); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1652
- Measurement SW: DASY52, Version 52.8 (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) = 0.163 W/kg

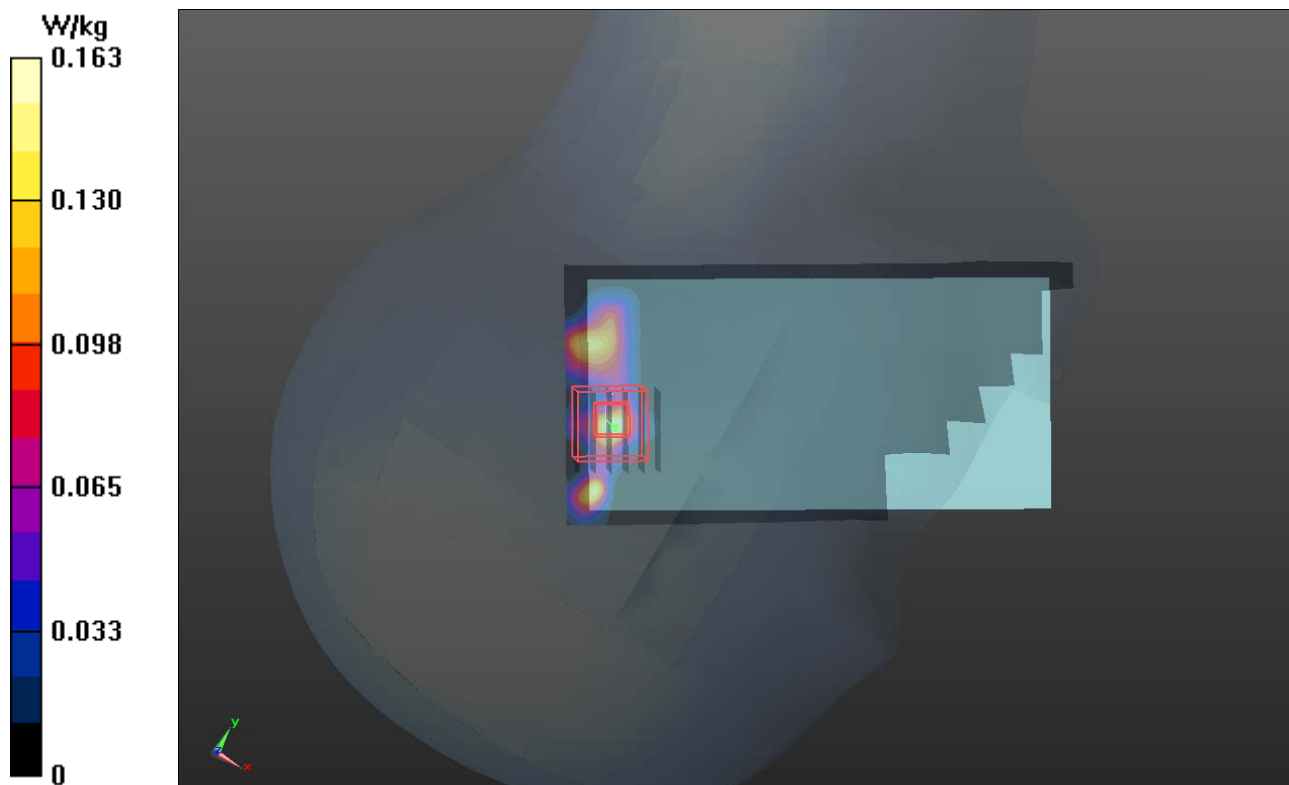
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.986 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.347 W/kg

**SAR(1 g) = 0.083 W/kg; SAR(10 g) = 0.019 W/kg**

Maximum value of SAR (measured) = 0.192 W/kg



### P11 GSM850\_GPRS10\_Rear Face\_1cm\_Ch128\_Sample1\_Ant0

**DUT: 131113C12**

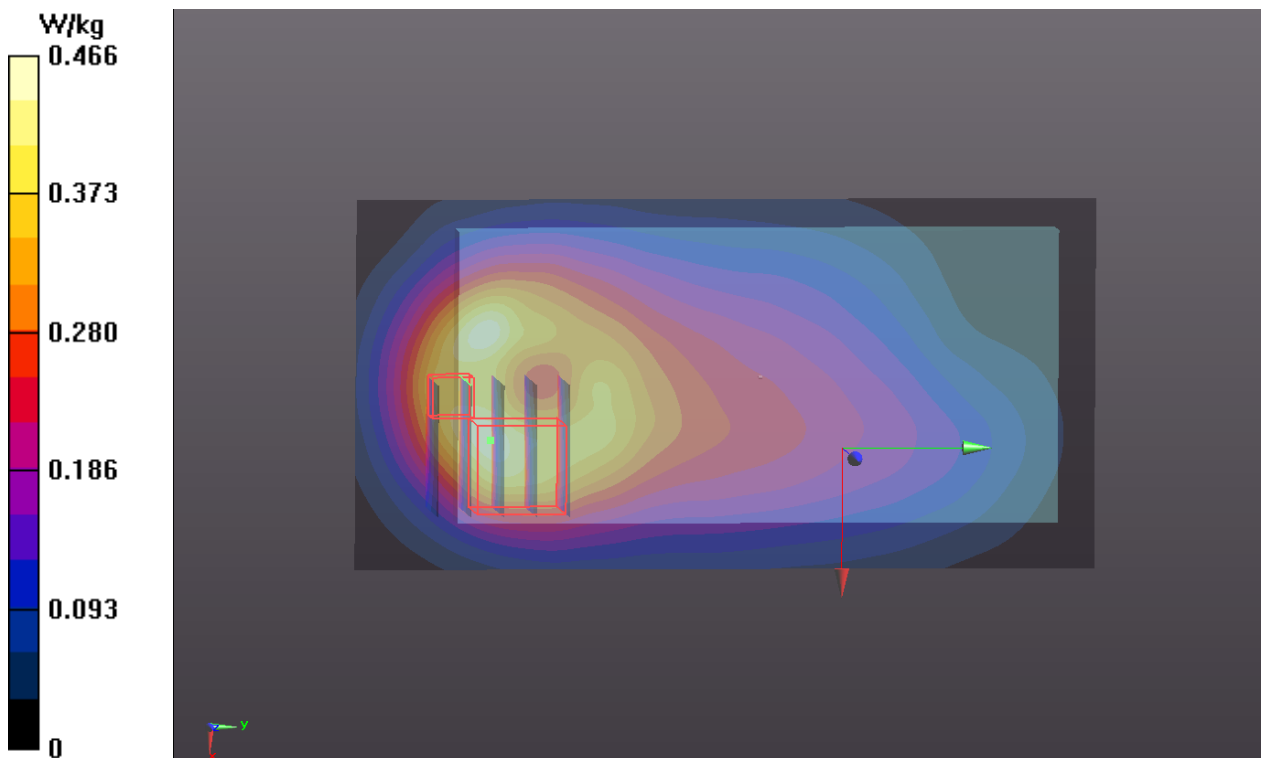
Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4  
Medium: B835\_1228 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.959$  S/m;  $\epsilon_r = 53.983$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.0 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.35, 9.35, 9.35); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- 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 (61x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.466 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.450 V/m; Power Drift = -0.18 dB  
Peak SAR (extrapolated) = 0.616 W/kg  
**SAR(1 g) = 0.327 W/kg; SAR(10 g) = 0.202 W/kg**  
Maximum value of SAR (measured) = 0.365 W/kg



### P12 GSM1900\_GPRS10\_Rear Face\_1cm\_Ch661\_Sample1\_Ant0

**DUT: 131113C12**

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

Medium: B1900\_1225 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.533$  S/m;  $\epsilon_r = 53.495$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.370 W/kg

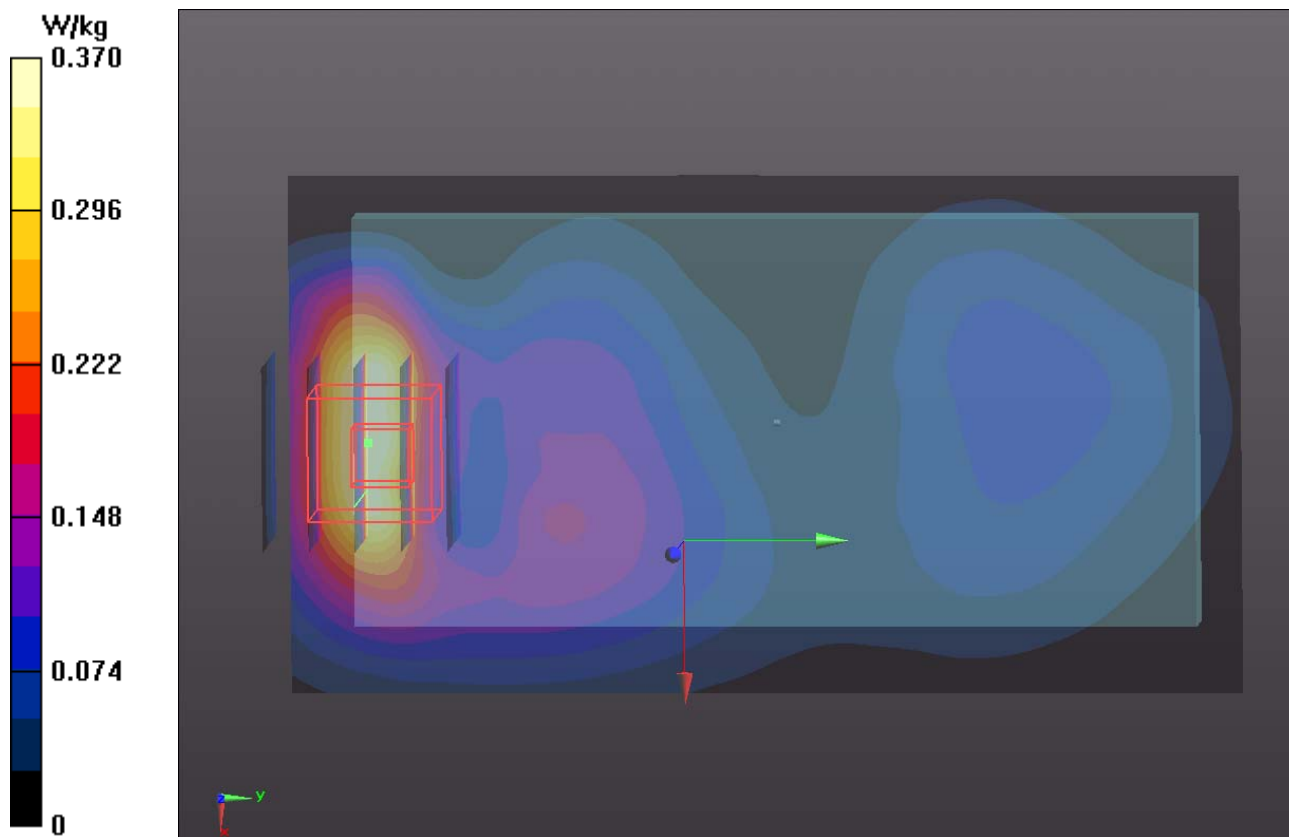
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.852 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.542 W/kg

**SAR(1 g) = 0.340 W/kg; SAR(10 g) = 0.193 W/kg**

Maximum value of SAR (measured) = 0.427 W/kg



### P13 WCDMA II\_RMC12.2K\_Rear Face\_1cm\_Ch9262\_Sample1\_Ant0

#### DUT: 131113C12

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

Medium: B1900\_1225 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 53.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.982 W/kg

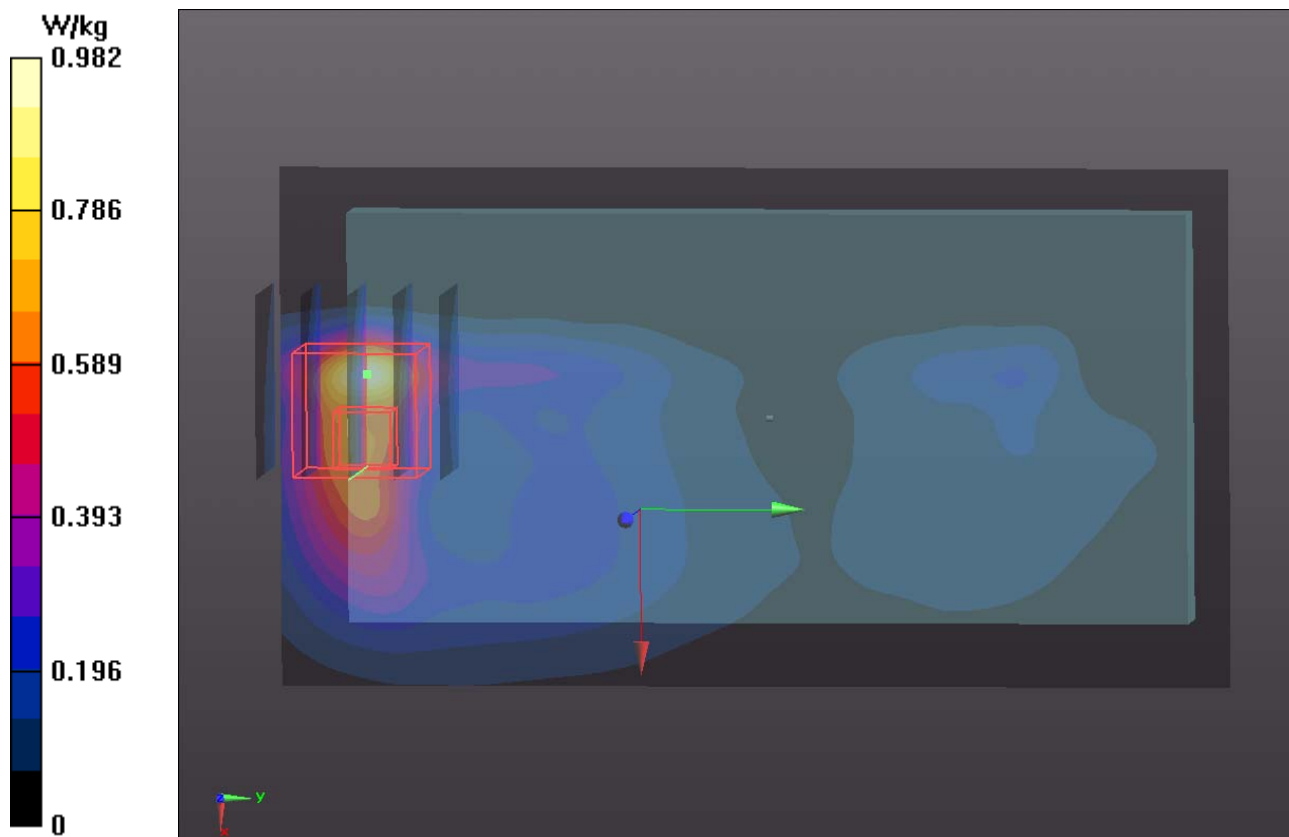
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.829 V/m; Power Drift = 0.18 dB

Peak SAR (extrapolated) = 0.752 W/kg

**SAR(1 g) = 0.476 W/kg; SAR(10 g) = 0.268 W/kg**

Maximum value of SAR (measured) = 0.634 W/kg



## P14 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4233\_Sample1\_Ant0

**DUT: 131113C12**

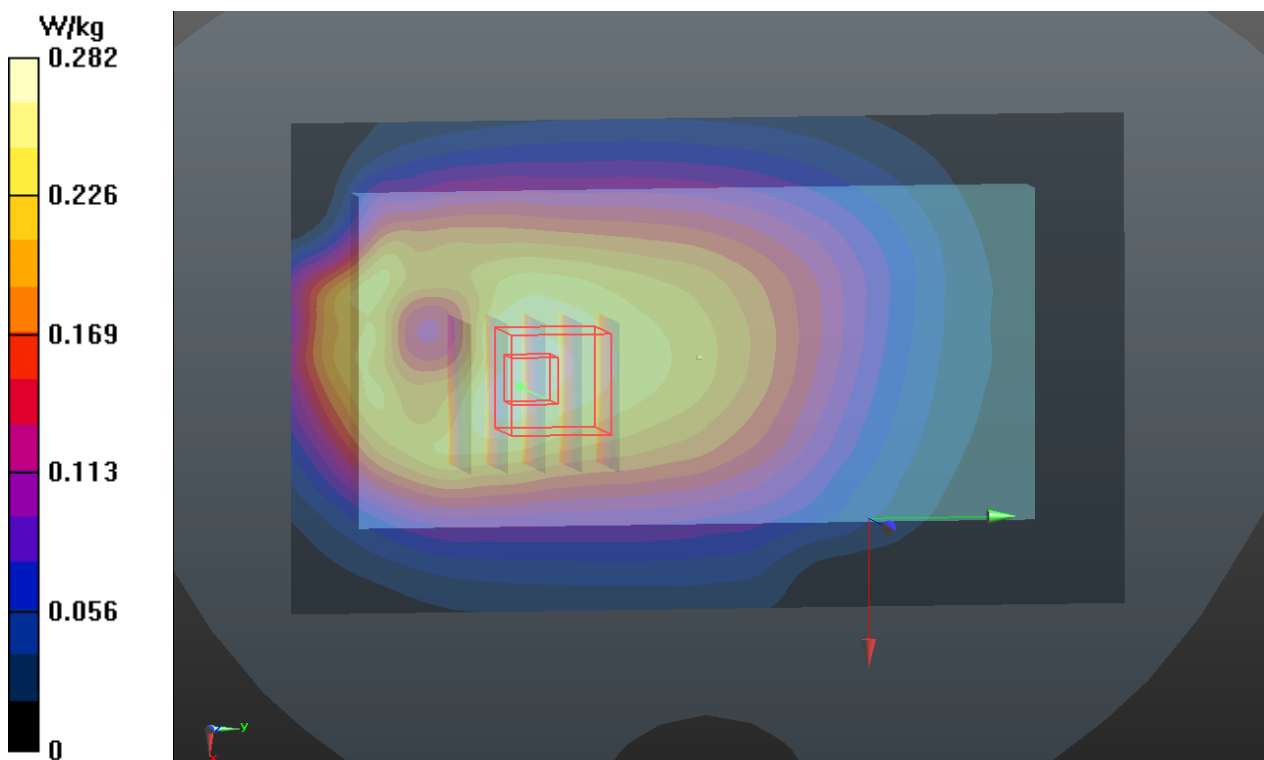
Communication System: WCDMA; Frequency: 846.6 MHz; Duty Cycle: 1:1  
Medium: B835\_1230 Medium parameters used:  $f = 847$  MHz;  $\sigma = 0.987$  S/m;  $\epsilon_r = 54.095$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 21.3 °C; Liquid Temperature : 20.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.35, 9.35, 9.35); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1654
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

- **Area Scan (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.282 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 14.807 V/m; Power Drift = 0.03 dB  
Peak SAR (extrapolated) = 0.304 W/kg  
**SAR(1 g) = 0.229 W/kg; SAR(10 g) = 0.169 W/kg**  
Maximum value of SAR (measured) = 0.241 W/kg



### P15 LTE 7\_QPSK\_20M\_Front Face\_1cm\_Ch21100\_Sample1\_Ant0\_1RB\_OS50

**DUT: 131113C12**

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

Medium: B2600\_1230 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.104$  S/m;  $\epsilon_r = 52.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.8 °C; Liquid Temperature : 21.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(6.91, 6.91, 6.91); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection), Sensor-Surface: 4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.807 W/kg

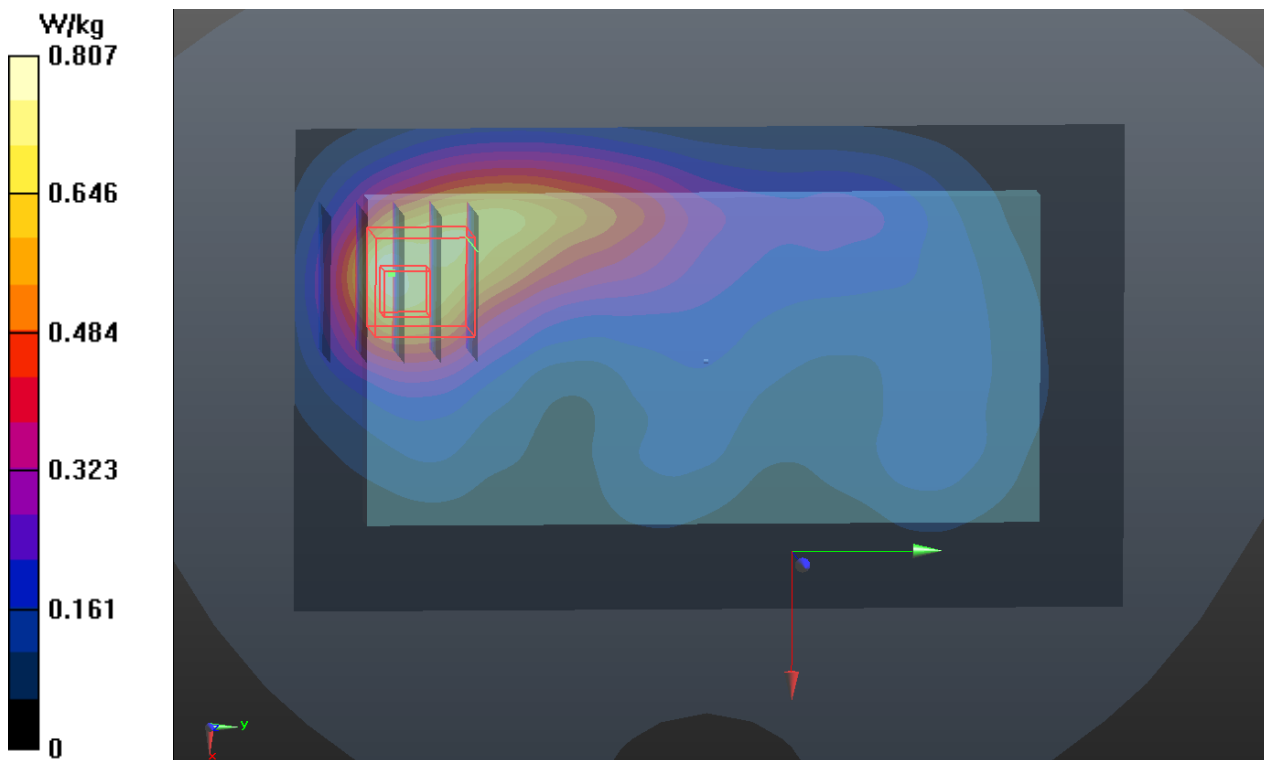
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.952 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.519 W/kg; SAR(10 g) = 0.287 W/kg**

Maximum value of SAR (measured) = 0.578 W/kg





### P16 802.11b\_Front Face\_1cm\_Ch6\_Sample1

#### DUT: 131113C12

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

Medium: B2450\_1210 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.977$  S/m;  $\epsilon_r = 51.669$ ;  $\rho =$

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

Ambient Temperature : 21.4 °C ; Liquid Temperature : 20.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.4, 7.4, 7.4); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: SAM Phantom\_Front; Type: SAM V4.0; Serial: TP 1485
- Measurement SW: DASY52, Version 52.8 (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) = 0.0772 W/kg

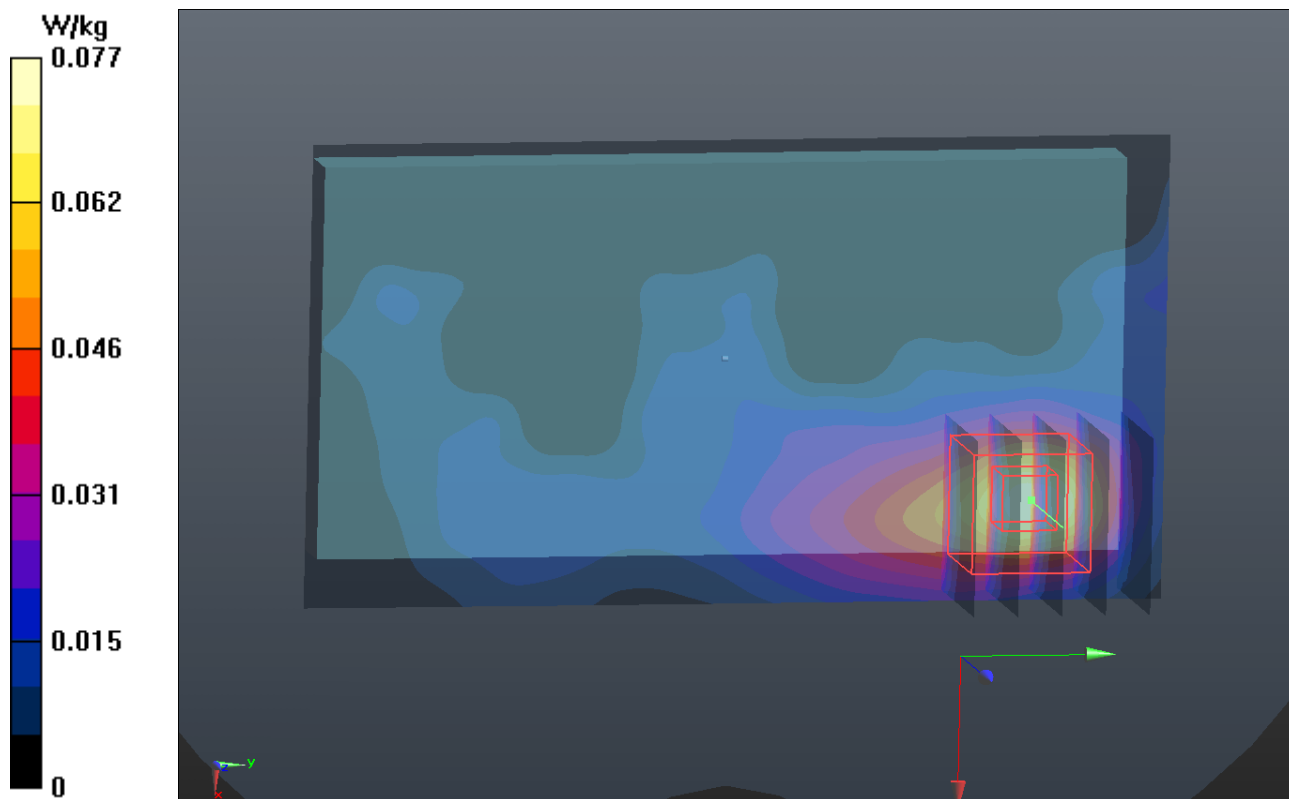
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.444 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.0820 W/kg

**SAR(1 g) = 0.043 W/kg; SAR(10 g) = 0.023 W/kg**

Maximum value of SAR (measured) = 0.0634 W/kg



### P17 802.11n\_HT20\_Rear Face\_1cm\_Ch48\_Sample1

**DUT: 131113C12**

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

Medium: B5G\_1208 Medium parameters used:  $f = 5240$  MHz;  $\sigma = 5.386$  S/m;  $\epsilon_r = 47.513$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.9 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(5.15, 5.15, 5.15); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1039
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.0320 W/kg

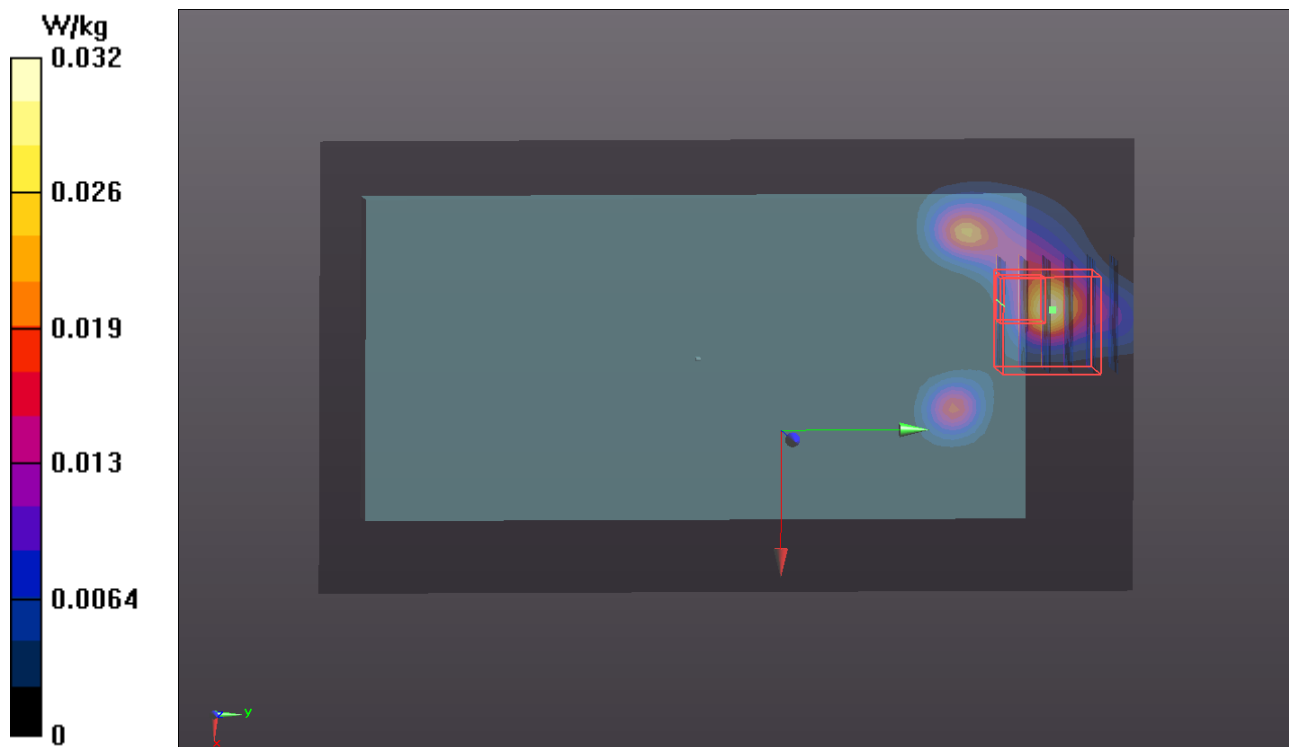
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.822 V/m; Power Drift = -0.00 dB

Peak SAR (extrapolated) = 0.352 W/kg

**SAR(1 g) = 0.030 W/kg; SAR(10 g) = 0.00658 W/kg**

Maximum value of SAR (measured) = 0.0539 W/kg



### P18 802.11a\_Rear Face\_1cm\_Ch52\_Sample1

**DUT: 131113C12**

Communication System: WLAN\_5G; Frequency: 5260 MHz; Duty Cycle: 1:1.14

Medium: B5G\_1208 Medium parameters used:  $f = 5260$  MHz;  $\sigma = 5.41$  S/m;  $\epsilon_r = 47.449$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.9 °C

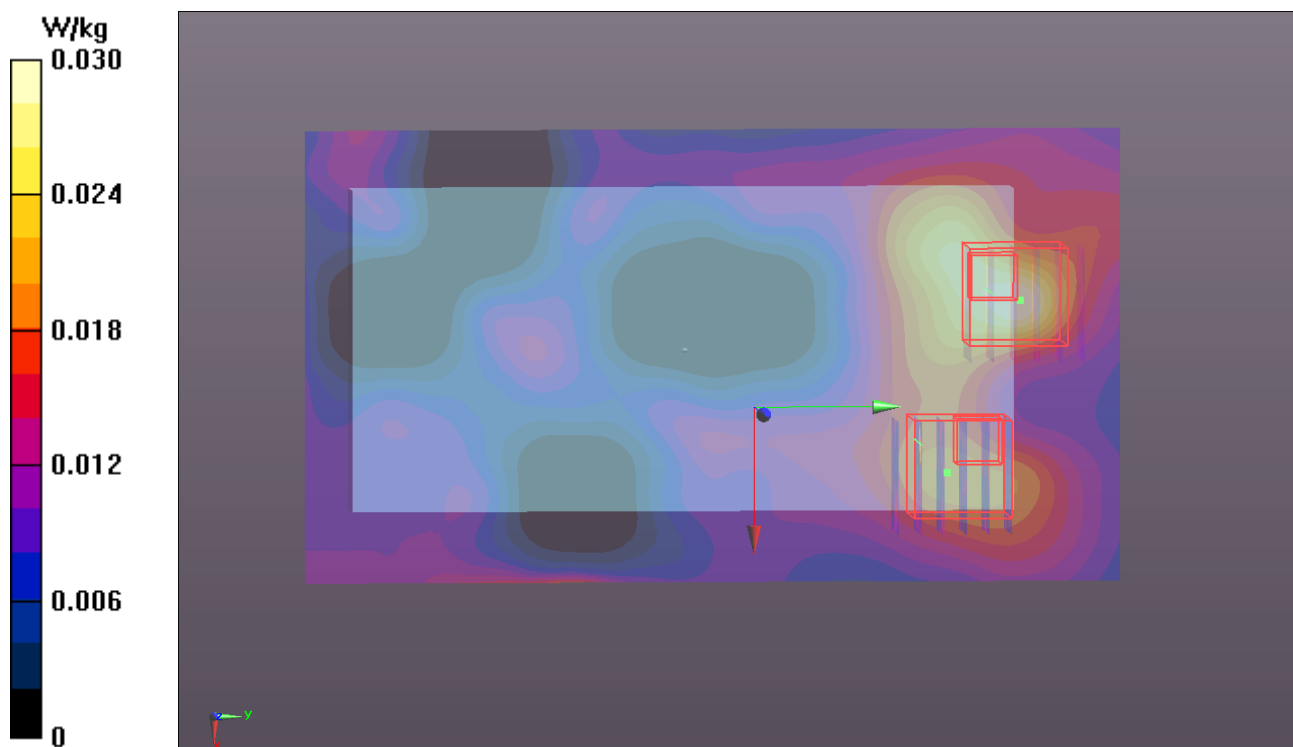
DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.94, 4.94, 4.94); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1039
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.0300 W/kg

**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 1.364 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.0900 W/kg  
**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.012 W/kg**  
Maximum value of SAR (measured) = 0.0464 W/kg

**- Zoom Scan (6x6x12)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 1.364 V/m; Power Drift = -0.17 dB  
Peak SAR (extrapolated) = 0.0240 W/kg  
**SAR(1 g) = 0.00927 W/kg; SAR(10 g) = 0.00657 W/kg**  
Maximum value of SAR (measured) = 0.0566 W/kg



### P19 802.11n\_HT20\_Front Face\_1cm\_Ch100\_Sample1

**DUT: 131113C12**

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

Medium: B5G\_1208 Medium parameters used:  $f = 5500$  MHz;  $\sigma = 5.753$  S/m;  $\epsilon_r = 46.944$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 21.7 °C ; Liquid Temperature : 20.9 °C

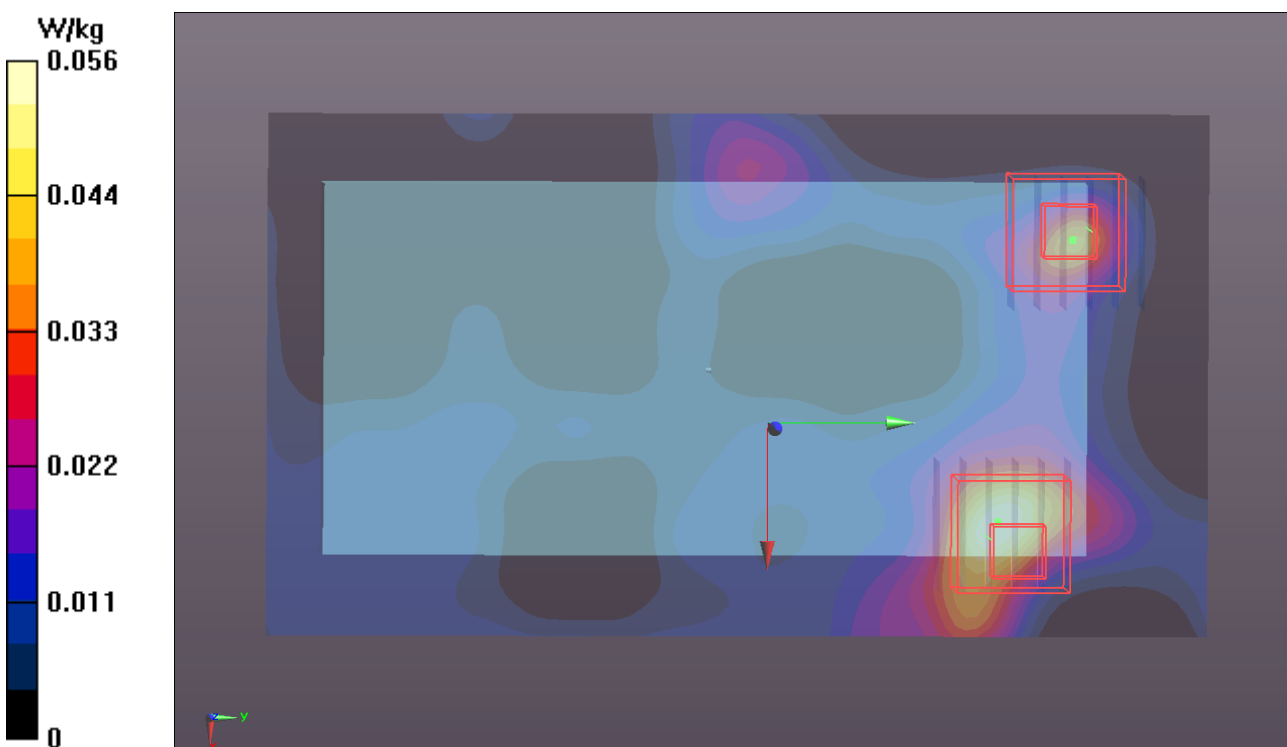
DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.57, 4.57, 4.57); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1039
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

**- Area Scan (101x181x1):** Interpolated grid: dx=1.000 mm, dy=1.000 mm  
Maximum value of SAR (interpolated) = 0.0555 W/kg

**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 1.419 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.271 W/kg  
**SAR(1 g) = 0.037 W/kg; SAR(10 g) = 0.014 W/kg**  
Maximum value of SAR (measured) = 0.0691 W/kg

**- Zoom Scan (6x6x12)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=2mm  
Reference Value = 1.419 V/m; Power Drift = -0.09 dB  
Peak SAR (extrapolated) = 0.0600 W/kg  
**SAR(1 g) = 0.018 W/kg; SAR(10 g) = 0.00731 W/kg**  
Maximum value of SAR (measured) = 0.0324 W/kg



## P20 802.11a\_Front Face\_1cm\_Ch157\_Sample1

### DUT: 131113C12

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

Medium: B5G\_1208 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.15$  S/m;  $\epsilon_r = 46.477$ ;  $\rho = 1000$

kg/m<sup>3</sup>

Ambient Temperature : 21.7 °C; Liquid Temperature : 20.9 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(4.72, 4.72, 4.72); Calibrated: 2013/02/20;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2013/03/19
- Phantom: ELI v4.0\_Left; Type: QDOVA001BB; Serial: TP:1039
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.0756 W/kg

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

Reference Value = 0.892 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.338 W/kg

**SAR(1 g) = 0.033 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0590 W/kg

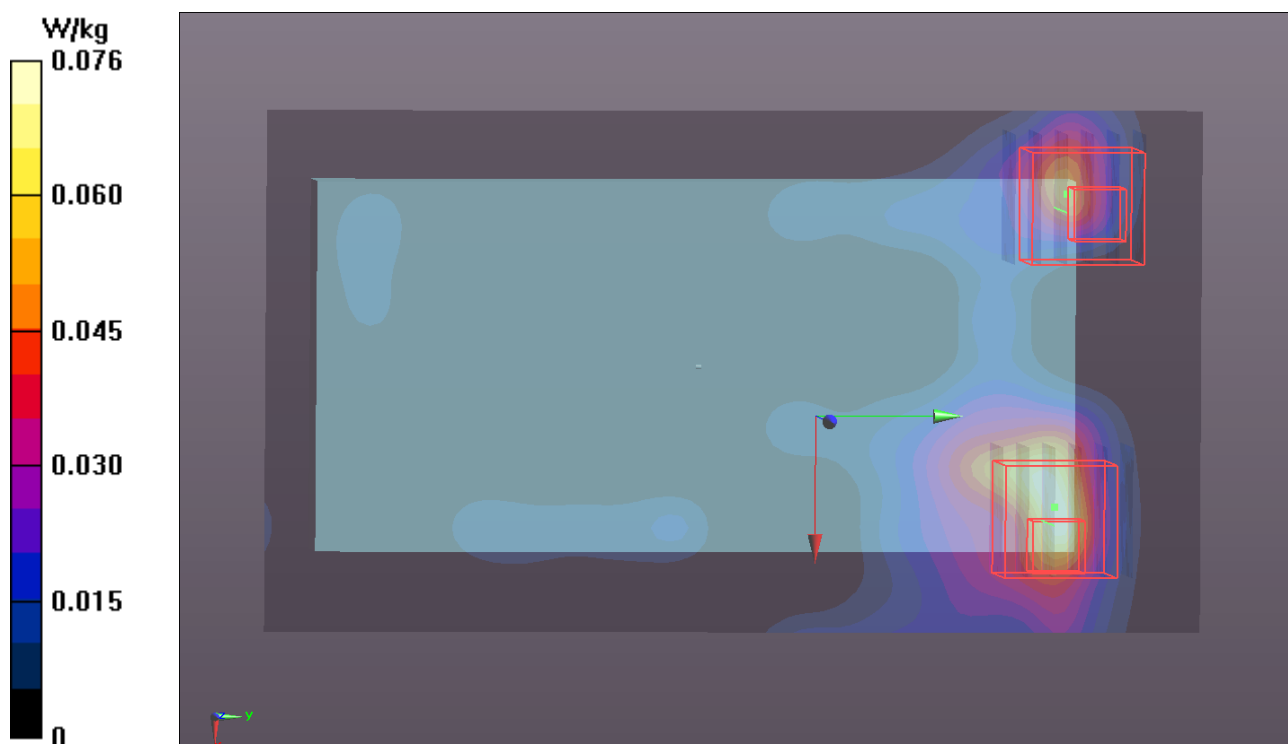
- **Zoom Scan (6x6x12)/Cube 1:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.892 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.0790 W/kg

**SAR(1 g) = 0.016 W/kg; SAR(10 g) = 0.00717 W/kg**

Maximum value of SAR (measured) = 0.0325 W/kg



## P21 GSM1900\_GPRS10\_Bottom Side\_1cm\_Ch661\_Sample1\_Ant0

### DUT: 131113C12

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

Medium: B1900\_0101 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 53.164$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.1 °C; Liquid Temperature : 21.3 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.39, 7.39, 7.39); Calibrated: 2013/04/30;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn360; Calibrated: 2013/01/30
- Phantom: SAM Phantom\_Left; Type: SAM V4.0; Serial: TP 1653
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.814 W/kg

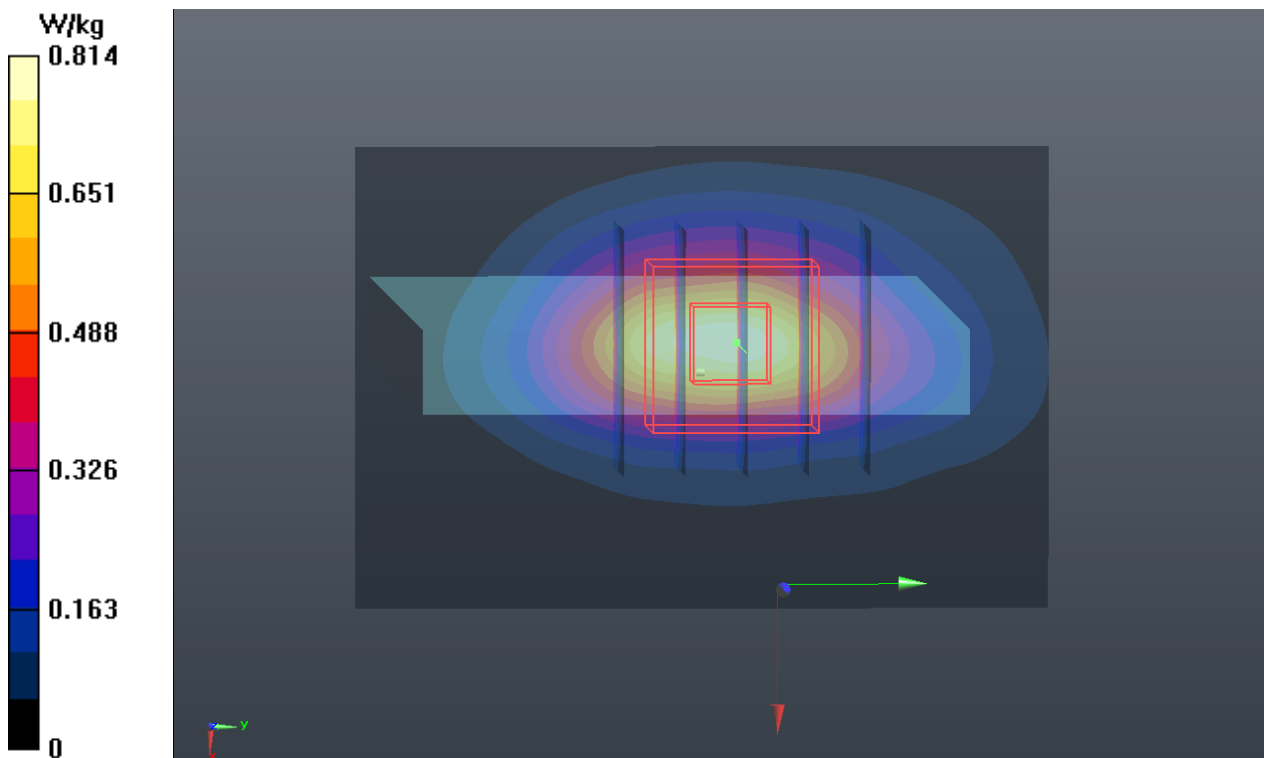
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 21.240 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.938 W/kg

**SAR(1 g) = 0.567 W/kg; SAR(10 g) = 0.311 W/kg**

Maximum value of SAR (measured) = 0.769 W/kg



## P22 WCDMA II\_RMC12.2K\_Bottom Side\_1cm\_Ch9262\_Sample1\_Ant0

### DUT: 131113C12

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

Medium: B1900\_1225 Medium parameters used:  $f = 1852.4$  MHz;  $\sigma = 1.499$  S/m;  $\epsilon_r = 53.594$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.87, 7.87, 7.87); Calibrated: 2013/07/31;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2013/07/26
- Phantom: Flat Phantom ELI4.0; Type: QDOVA001BA; Serial: SN:1204
- Measurement SW: DASY52, Version 52.8 (7); SEMCAD X Version 14.6.10 (7164)

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

Maximum value of SAR (interpolated) = 0.979 W/kg

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

Reference Value = 23.025 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 1.07 W/kg

**SAR(1 g) = 0.671 W/kg; SAR(10 g) = 0.372 W/kg**

Maximum value of SAR (measured) = 0.899 W/kg

