



## 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 Check\_Ch189\_Sample1

**DUT: 150324C20**

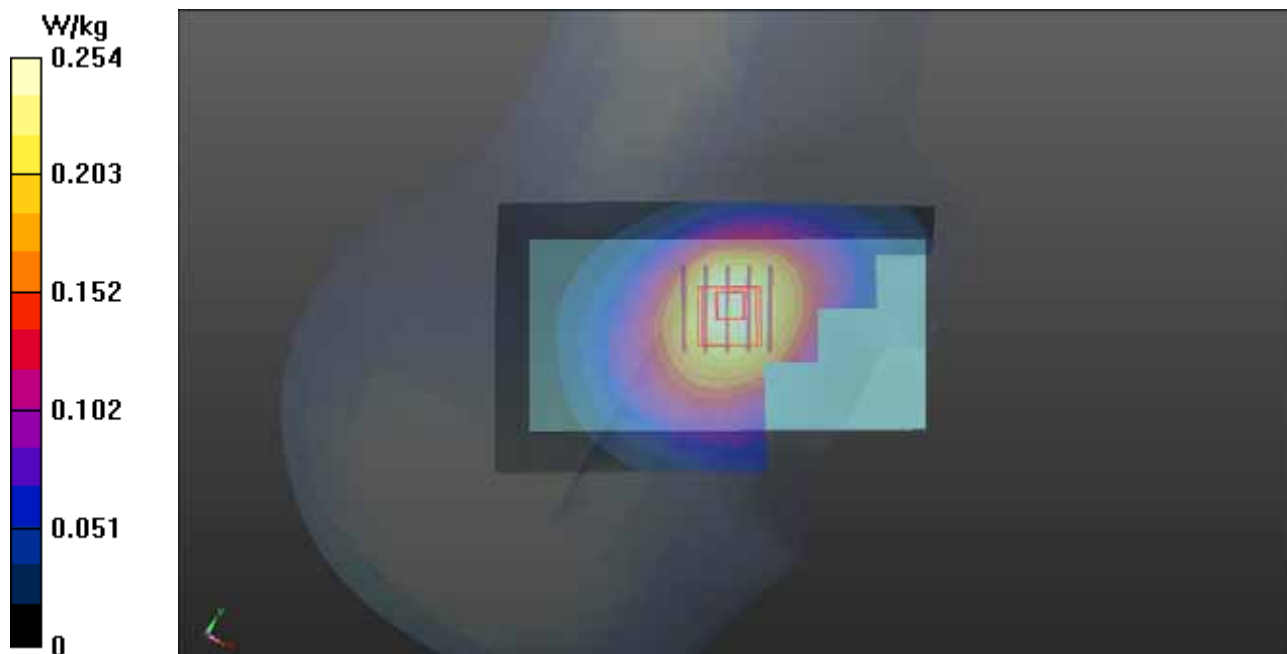
Communication System: GPRS10; Frequency: 836.4 MHz; Duty Cycle: 1:4  
Medium: H08T09N2\_0512 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.884$  S/m;  $\epsilon_r = 43.366$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.17, 10.17, 10.17); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.254 W/kg

- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 4.051 V/m; Power Drift = 0.09 dB  
Peak SAR (extrapolated) = 0.268 W/kg  
**SAR(1 g) = 0.218 W/kg; SAR(10 g) = 0.170 W/kg**  
Maximum value of SAR (measured) = 0.243 W/kg



## P02 GSM1900\_GPRS10\_Left Check\_Ch512\_Sample2

**DUT: 150324C20**

Communication System: GPRS10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: H18T19N1\_0513 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.351$  S/m;  $\epsilon_r = 39.371$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.65, 8.65, 8.65); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.160 W/kg

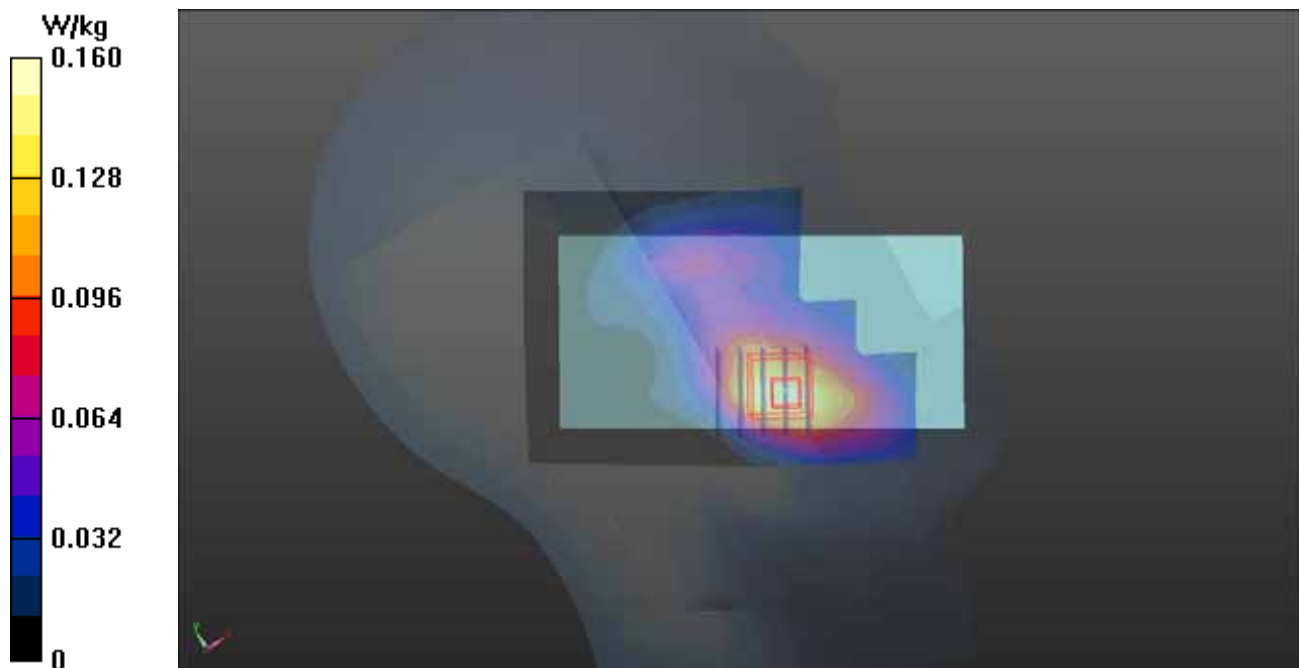
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.007 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.120 W/kg; SAR(10 g) = 0.074 W/kg**

Maximum value of SAR (measured) = 0.154 W/kg



### P03 WCDMA II\_RMC12.2K\_Left Check\_Ch9400\_Sample2

**DUT: 150324C20**

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

Medium: H18T19N1\_0513 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.372$  S/m;  $\epsilon_r = 39.298$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.65, 8.65, 8.65); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- 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) = 0.204 W/kg

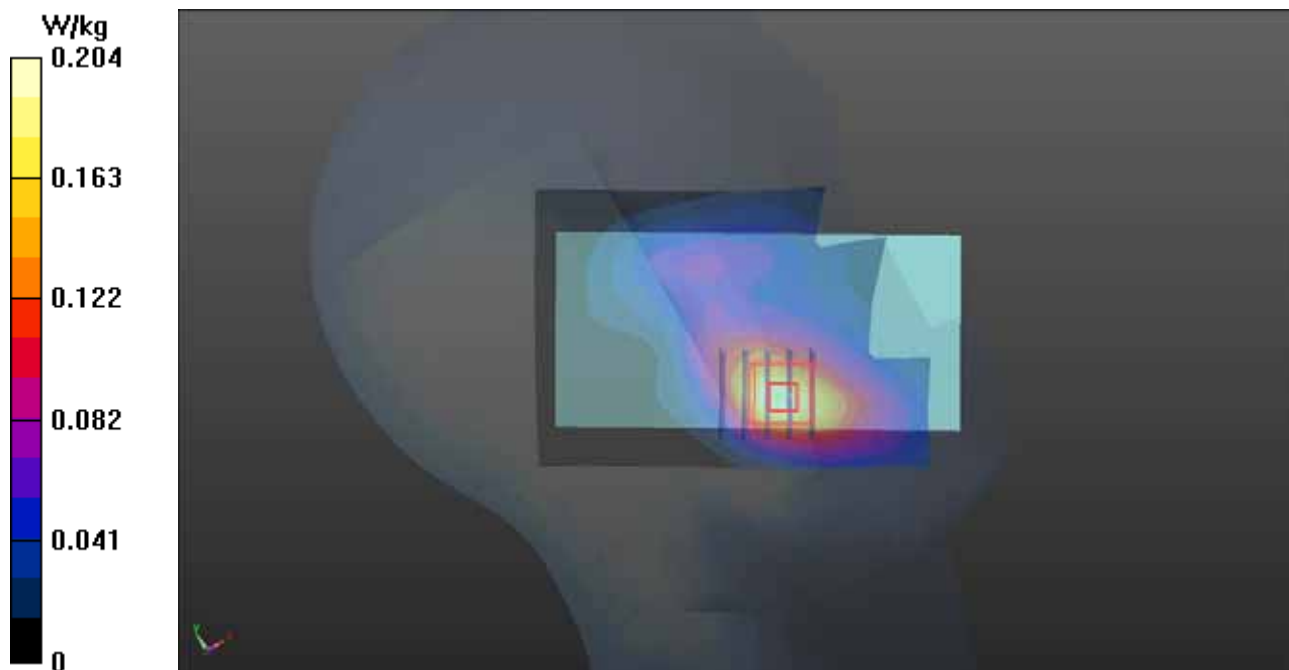
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.135 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.238 W/kg

**SAR(1 g) = 0.153 W/kg; SAR(10 g) = 0.093 W/kg**

Maximum value of SAR (measured) = 0.195 W/kg



### P04 WADMA V\_RMC12.2K\_Left Check\_Ch4132\_Sample1

**DUT: 150324C20**

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

Medium: H08T09N2\_0512 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.874$  S/m;  $\epsilon_r = 43.492$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.17, 10.17, 10.17); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (51x91x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

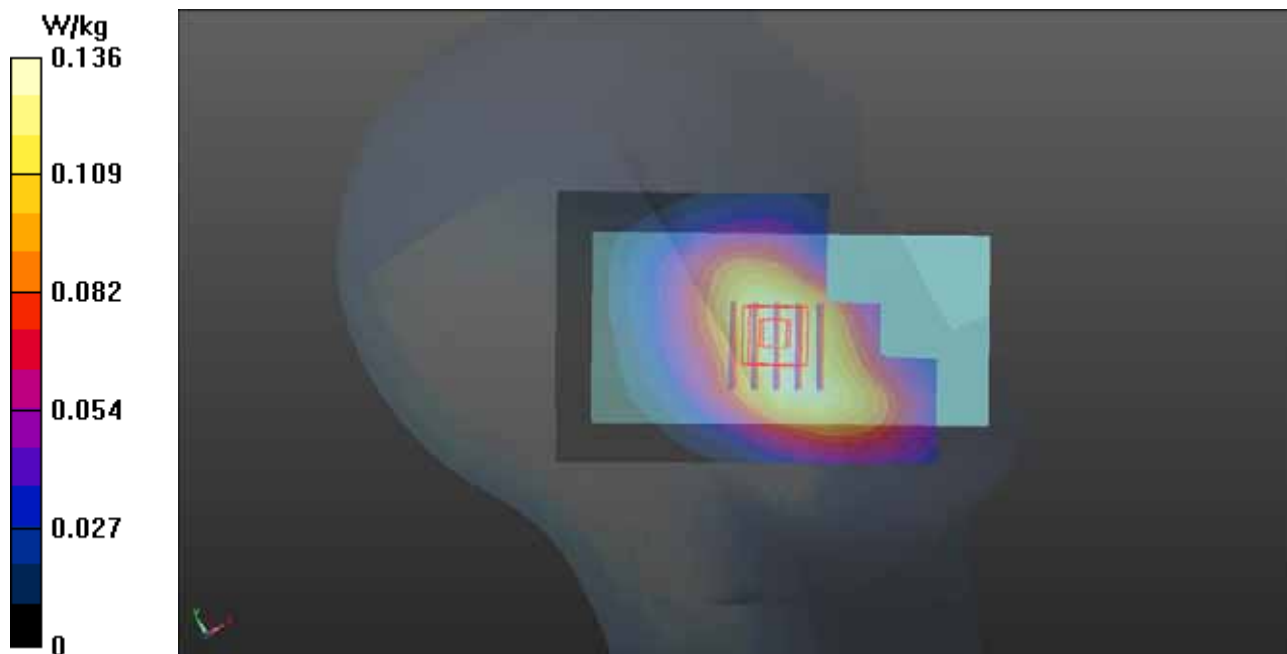
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.018 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.144 W/kg

**SAR(1 g) = 0.121 W/kg; SAR(10 g) = 0.096 W/kg**

Maximum value of SAR (measured) = 0.134 W/kg



### P05 CDMA2000 BC0\_RC3+SO55\_Right Check\_Ch777\_Sample1

**DUT: 150324C20**

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

Medium: H08T09N2\_0512 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 0.897$  S/m;  $\epsilon_r = 43.213$ ;  $\rho$

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

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.17, 10.17, 10.17); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.148 W/kg

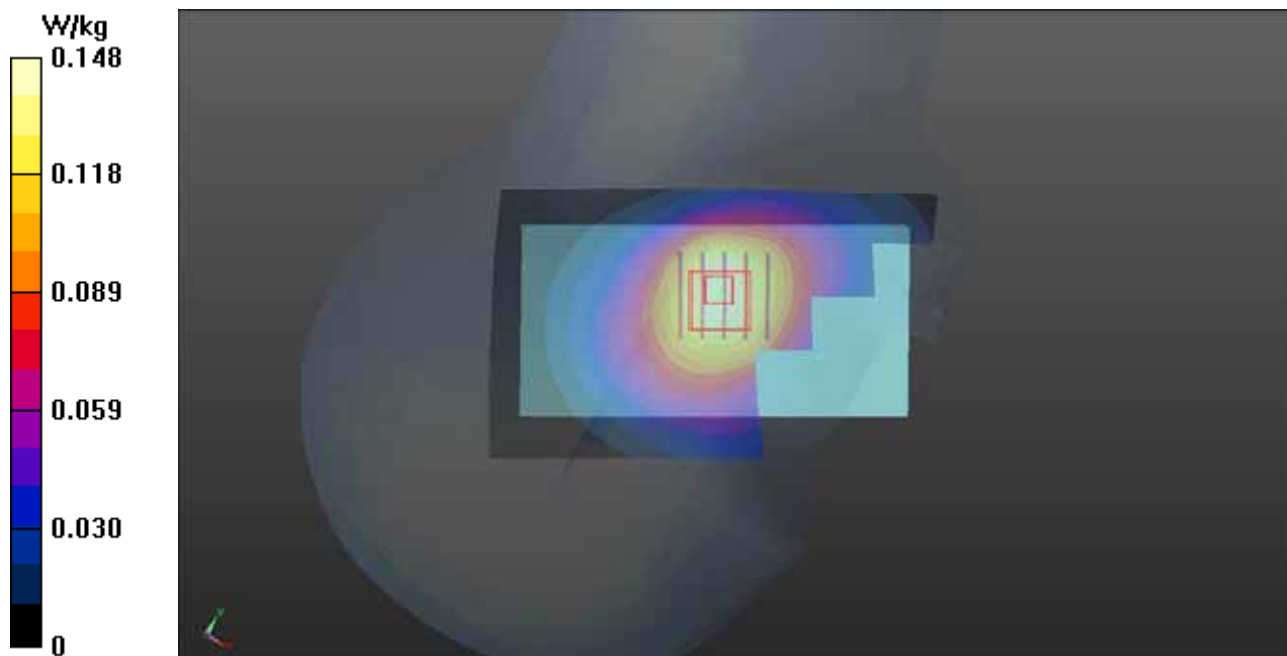
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.305 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.156 W/kg

**SAR(1 g) = 0.129 W/kg; SAR(10 g) = 0.101 W/kg**

Maximum value of SAR (measured) = 0.143 W/kg



## P06 CDMA2000 BC1\_RC3+SO55\_Right Check\_Ch1175\_Sample1

**DUT: 150324C20**

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

Medium: H18T19N1\_0513 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.405$  S/m;  $\epsilon_r = 39.225$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.65, 8.65, 8.65); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- 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) = 0.293 W/kg

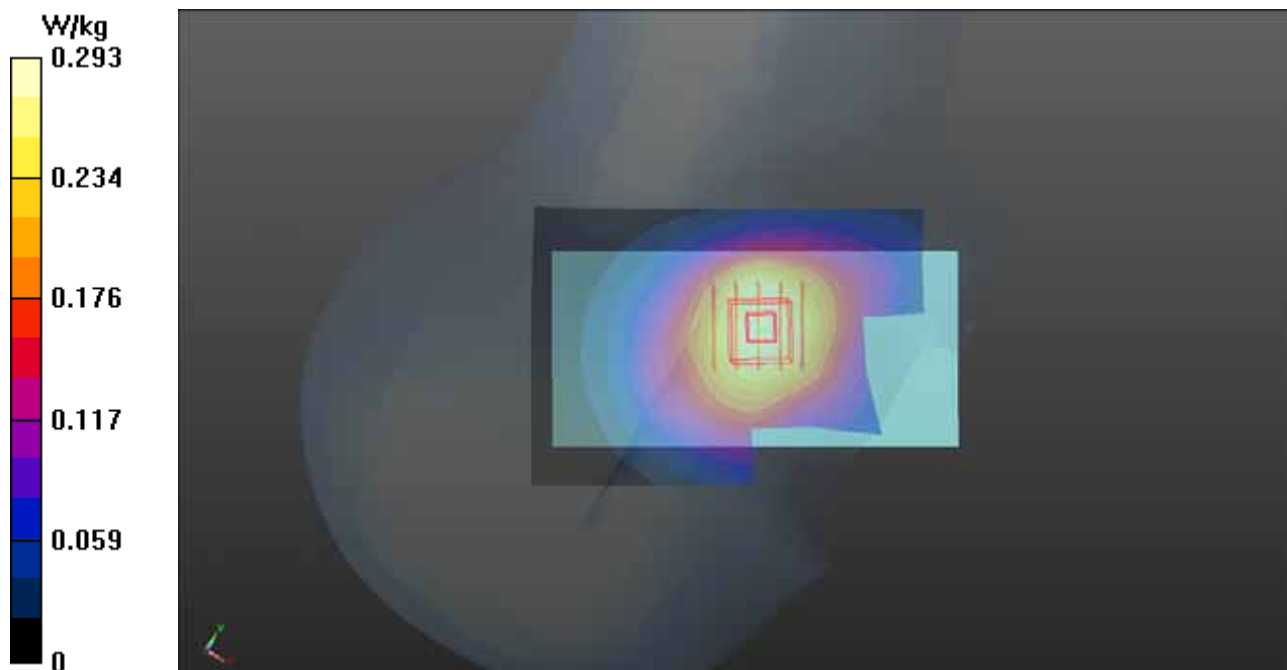
- **Zoom Scan (5x5x7)/Cube 0**: Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.511 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.292 W/kg

**SAR(1 g) = 0.267 W/kg; SAR(10 g) = 0.232 W/kg**

Maximum value of SAR (measured) = 0.278 W/kg



**P07 LTE 2\_QPSK20M\_Left Cheek\_Ch18700\_Sample2\_1RB\_OS0****DUT: 150324C19**

Communication System: LTE; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: H18T19N2\_0511 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.408$  S/m;  $\epsilon_r = 38.378$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.11, 8.11, 8.11); Calibrated: 2015/03/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2015/03/20
- 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) = 0.161 W/kg

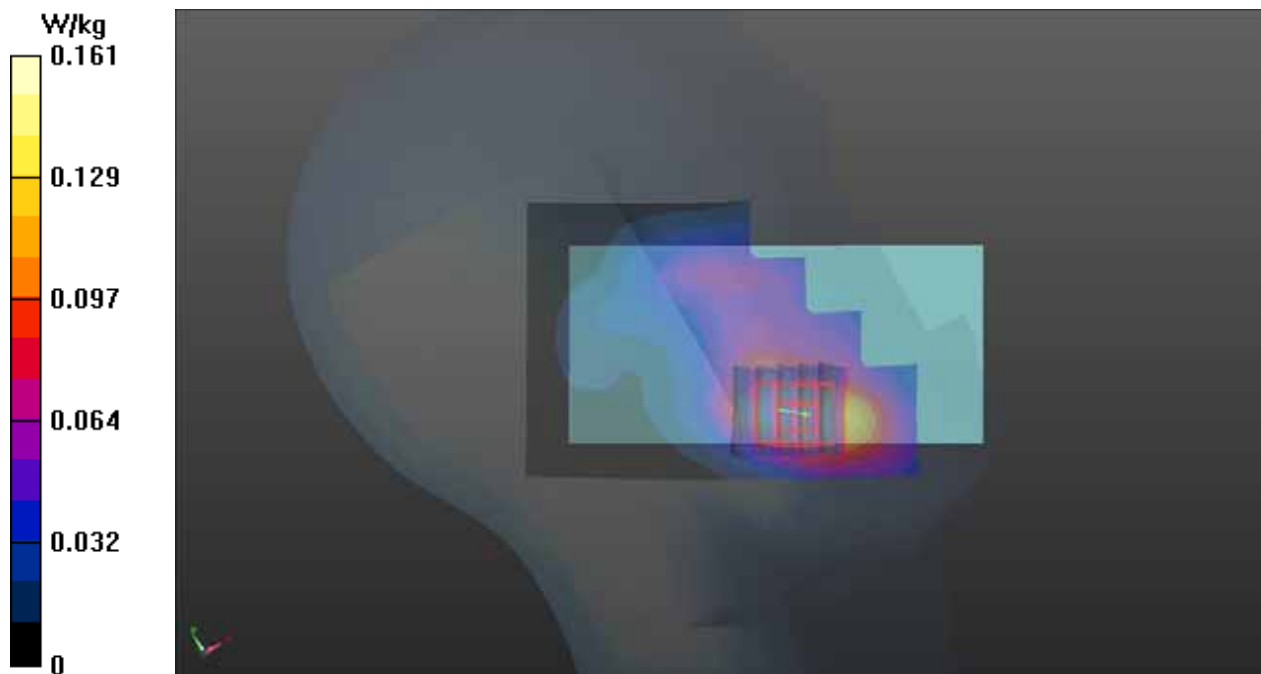
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.782 V/m; Power Drift = 0.14 dB

Peak SAR (extrapolated) = 0.185 W/kg

**SAR(1 g) = 0.123 W/kg; SAR(10 g) = 0.078 W/kg**

Maximum value of SAR (measured) = 0.154 W/kg





**P08 LTE 4\_QPSK20M\_Right Cheek\_Ch20175\_Sample1\_1RB\_OS0****DUT: 150324C19**

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

Medium: H17T18N2\_0511 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.304$  S/m;  $\epsilon_r = 40.521$ ; $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.0 °C; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.26, 8.26, 8.26); Calibrated: 2015/03/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1431; Calibrated: 2015/03/20
- 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) = 0.227 W/kg

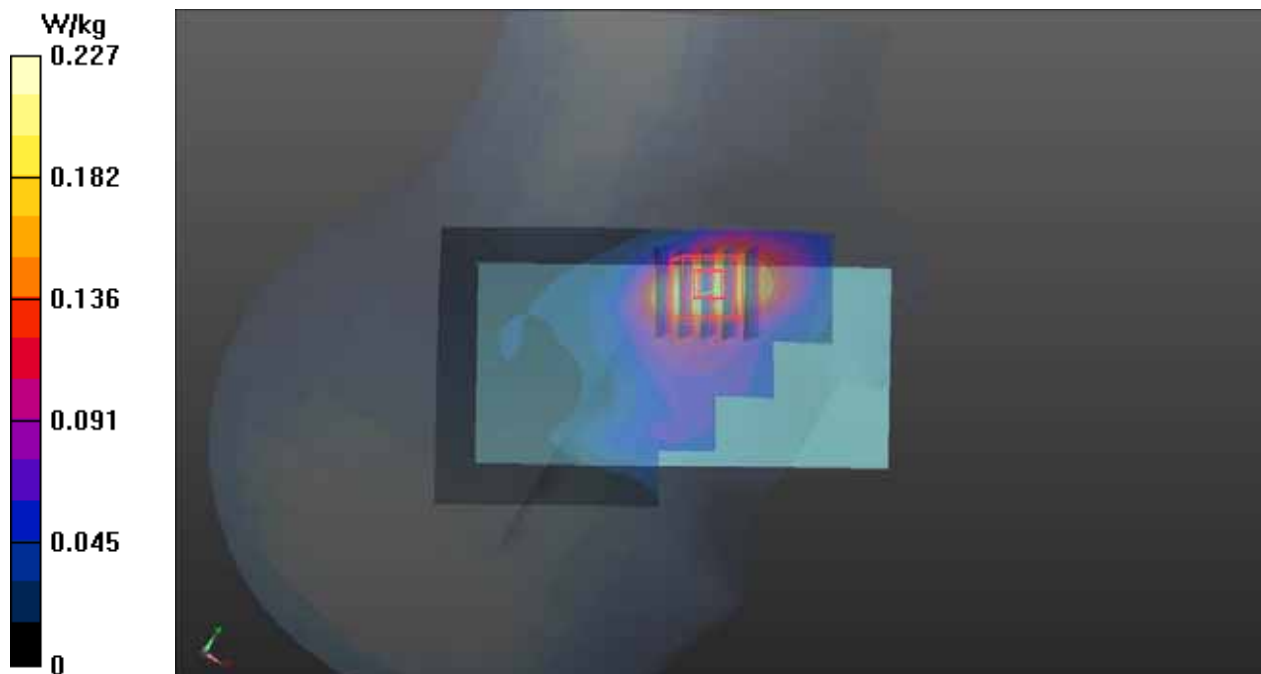
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.736 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.259 W/kg

**SAR(1 g) = 0.178 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.216 W/kg



### P09 LTE 5\_QPSK10M\_Right Check\_Ch20600\_Sample1\_1RB\_OS24

**DUT: 150324C20**

Communication System: LTE 5; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: H08T09N2\_0512 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 0.892 \text{ S/m}$ ;  $\epsilon_r = 43.266$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.17, 10.17, 10.17); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.122 W/kg

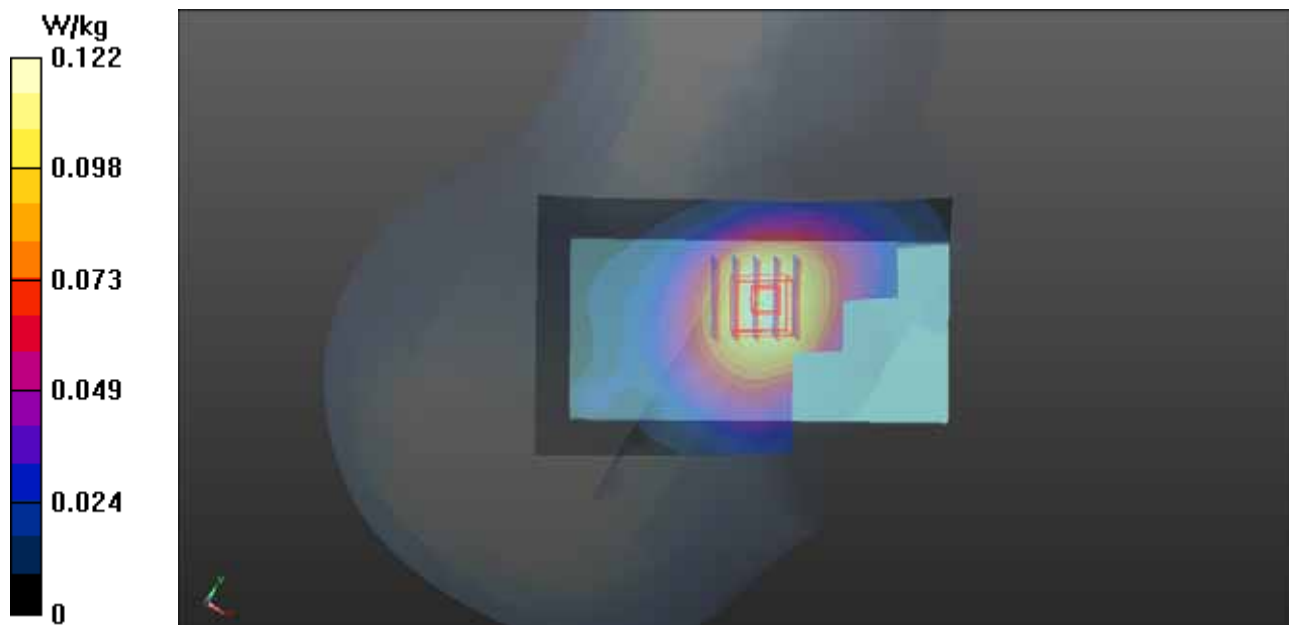
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 3.045 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.127 W/kg

**SAR(1 g) = 0.107 W/kg; SAR(10 g) = 0.084 W/kg**

Maximum value of SAR (measured) = 0.119 W/kg



## P10 LTE 7\_QPSK20M\_Left Cheek\_Ch20850\_Sample2\_1RB\_OS50

**DUT: 150324C20**

Communication System: LTE; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: H25T27N1\_0510 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.948$  S/m;  $\epsilon_r = 37.927$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.27, 7.27, 7.27); 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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.505 W/kg

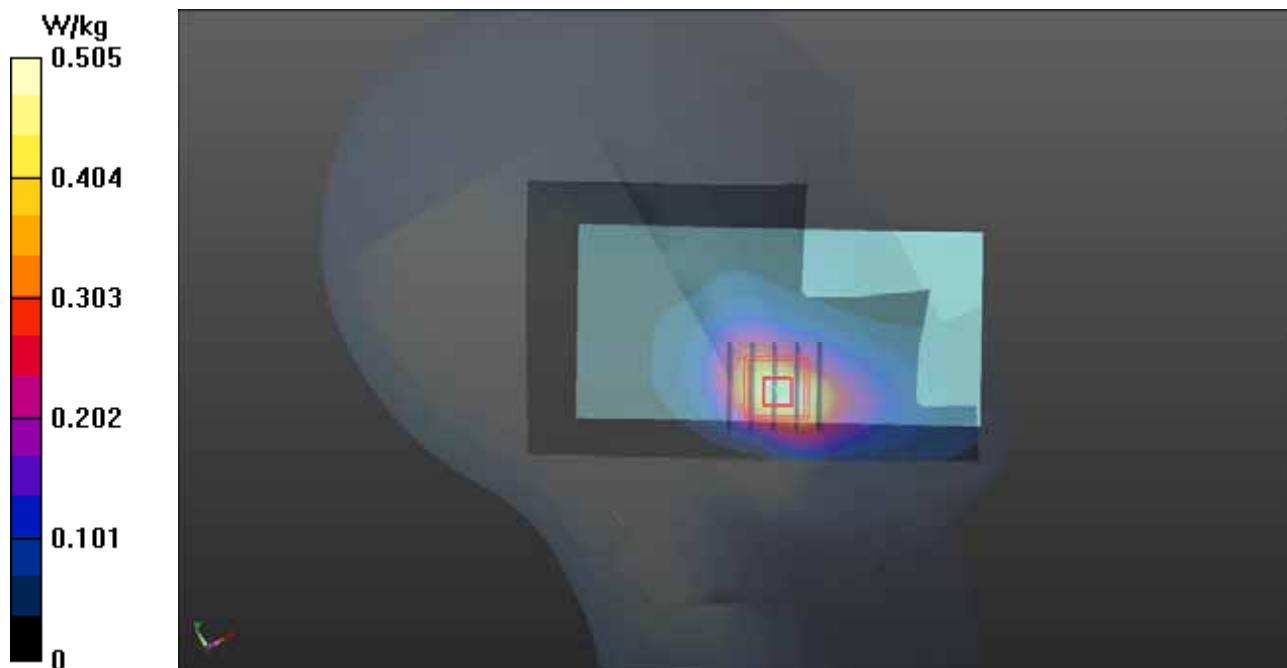
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 2.346 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 0.621 W/kg

**SAR(1 g) = 0.345 W/kg; SAR(10 g) = 0.184 W/kg**

Maximum value of SAR (measured) = 0.476 W/kg



### P11 LTE 13\_QPSK10M\_Right Check\_Ch23230\_Sample1\_1RB\_OS0

**DUT: 150324C20**

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

Medium: H07T08N2\_0513 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 : 22.6 °C ; Liquid Temperature : 21.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.52, 10.52, 10.52); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.0937 W/kg

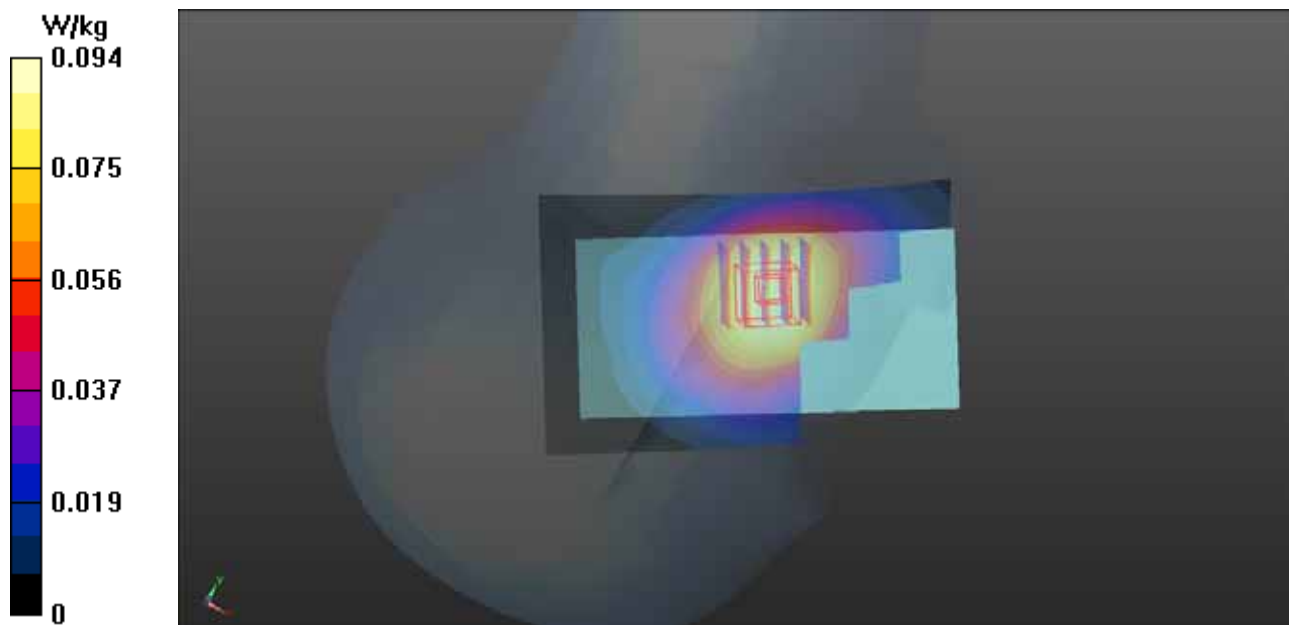
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 2.240 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.104 W/kg

**SAR(1 g) = 0.086 W/kg; SAR(10 g) = 0.068 W/kg**

Maximum value of SAR (measured) = 0.0965 W/kg



## P12 2.4G WLAN\_802.11b\_Left Cheek\_Ch6\_Sample2

**DUT: 150324C20**

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

Medium: H24T25N1\_0510 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.856$  S/m;  $\epsilon_r = 39.823$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.39, 7.39, 7.39); 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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.584 W/kg

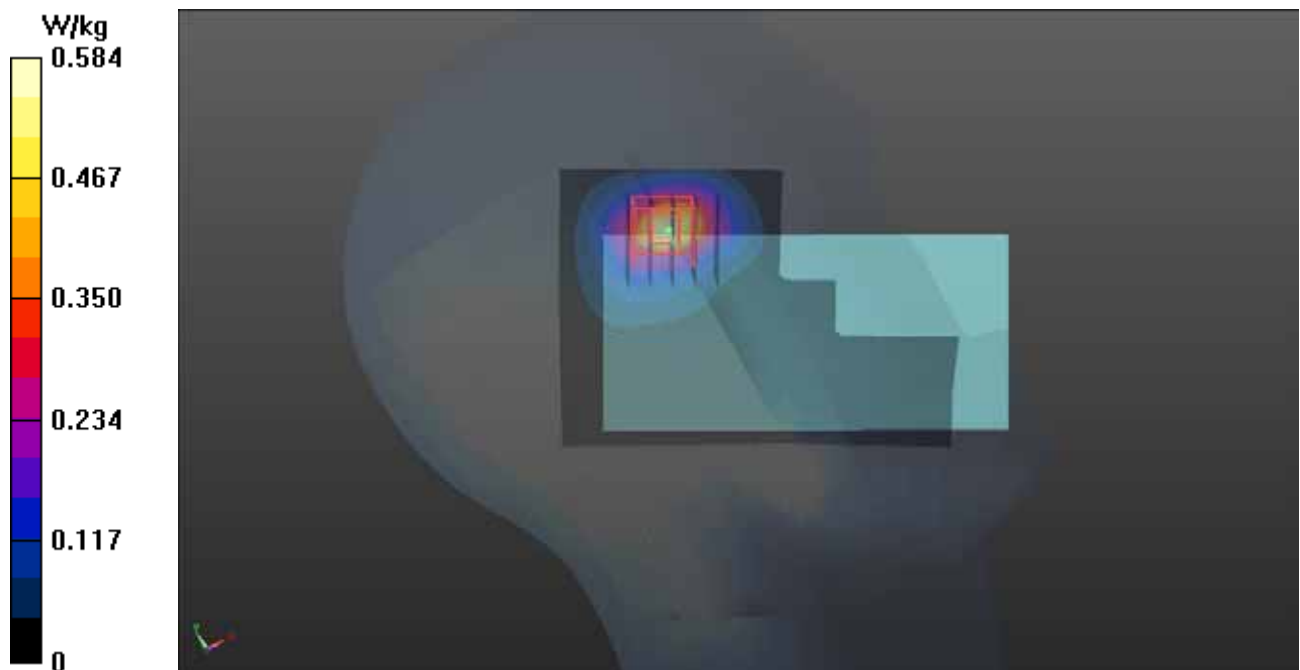
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.523 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.783 W/kg

**SAR(1 g) = 0.355 W/kg; SAR(10 g) = 0.167 W/kg**

Maximum value of SAR (measured) = 0.560 W/kg



## P13 GSM850\_GPRS10\_Front Face\_1cm\_Ch189\_Sample1

**DUT: 150324C20**

Communication System: GPRS10; Frequency: 836.4 MHz; Duty Cycle: 1:4

Medium: B08T09N1\_0511 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.993$  S/m;  $\epsilon_r = 56.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

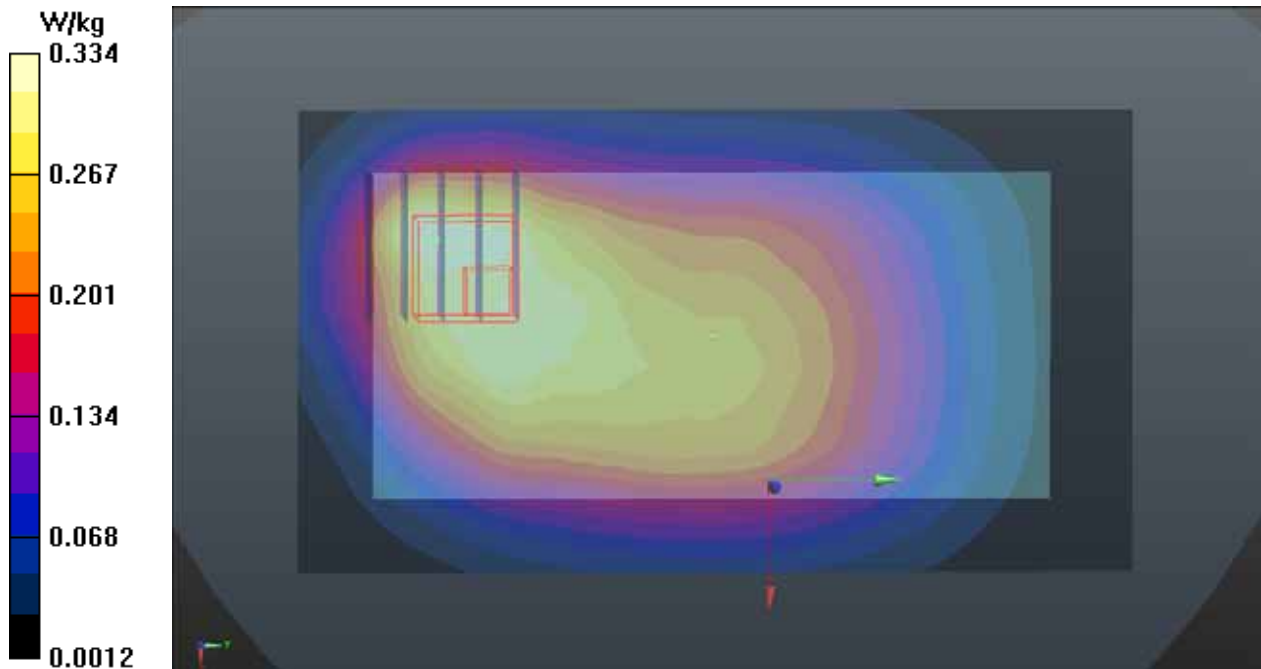
Ambient Temperature : 22.5 °C ; Liquid Temperature : 22.1 °C

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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm  
Maximum value of SAR (interpolated) = 0.334 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 16.13 V/m; Power Drift = -0.08 dB  
Peak SAR (extrapolated) = 0.389 W/kg  
**SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.139 W/kg**  
Maximum value of SAR (measured) = 0.333 W/kg



## P14 GSM1900\_GPRS10\_Rear Face\_1cm\_Ch512\_Sample2

**DUT: 150324C20**

Communication System: GPRS10; Frequency: 1850.2 MHz; Duty Cycle: 1:4

Medium: B18T19N1\_0507 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.493$  S/m;  $\epsilon_r = 53.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.2 °C ; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.08, 8.08, 8.08); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 1.20 W/kg

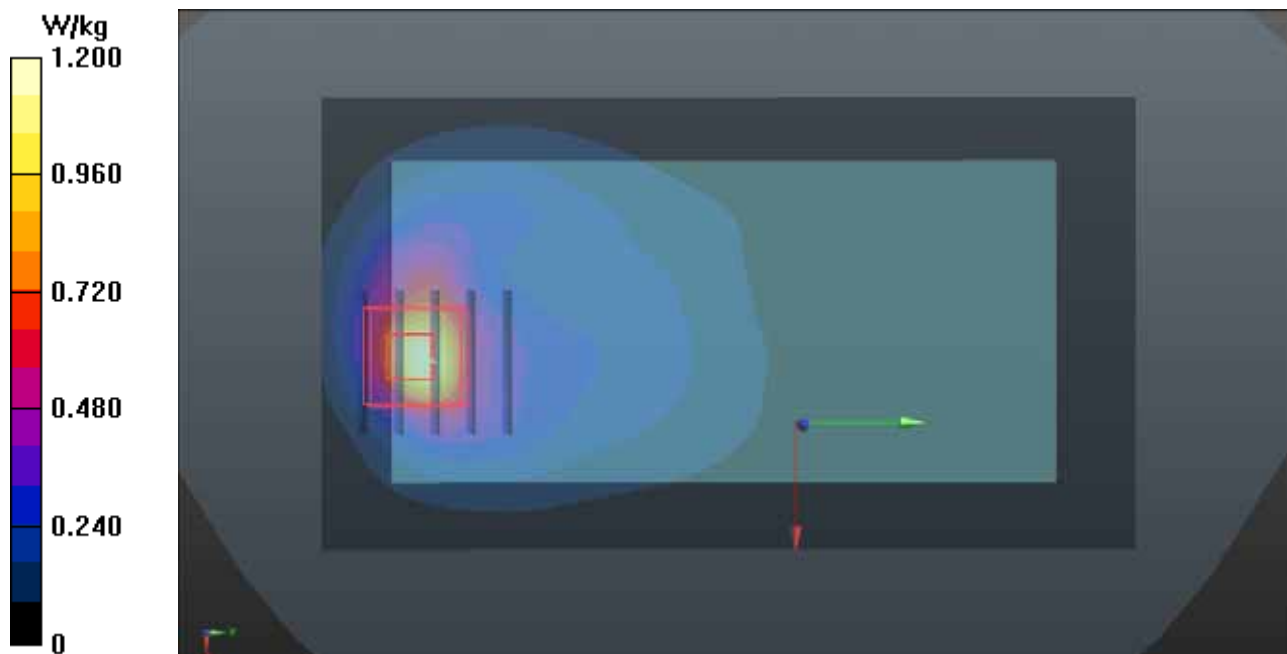
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.782 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 1.25 W/kg

**SAR(1 g) = 0.685 W/kg; SAR(10 g) = 0.349 W/kg**

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



## P15 WCDMA II\_RMC12.2K\_Rear Face\_1cm\_Ch9538\_Sample2

**DUT: 150324C20**

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

Medium: B18T19N1\_0507 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.556$  S/m;  $\epsilon_r = 53.056$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.2 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.08, 8.08, 8.08); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.873 W/kg

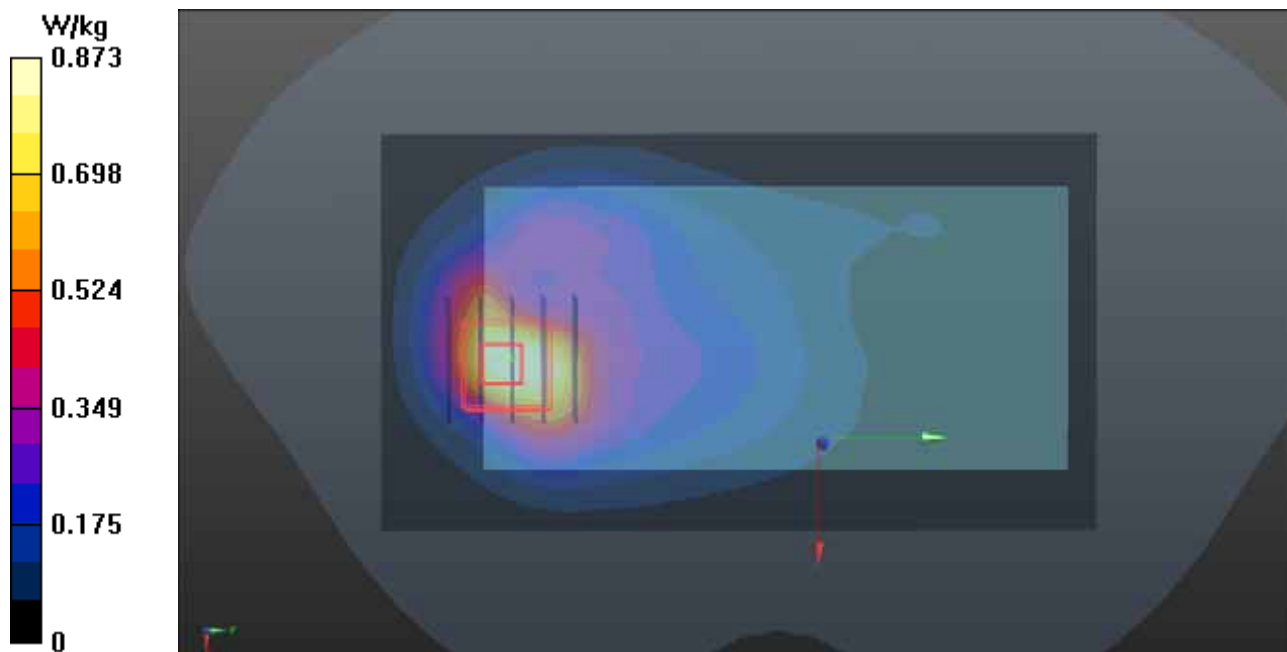
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.830 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 1.60 W/kg

**SAR(1 g) = 0.887 W/kg; SAR(10 g) = 0.448 W/kg**

Maximum value of SAR (measured) = 1.24 W/kg





### P16 WCDMA V\_RMC12.2K\_Front Face\_1cm\_Ch4132\_Sample1

**DUT: 150324C20**

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

Medium: B08T09N3\_0512 Medium parameters used:  $f = 826.4$  MHz;  $\sigma = 0.986$  S/m;  $\epsilon_r = 56.128$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.04, 10.04, 10.04); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

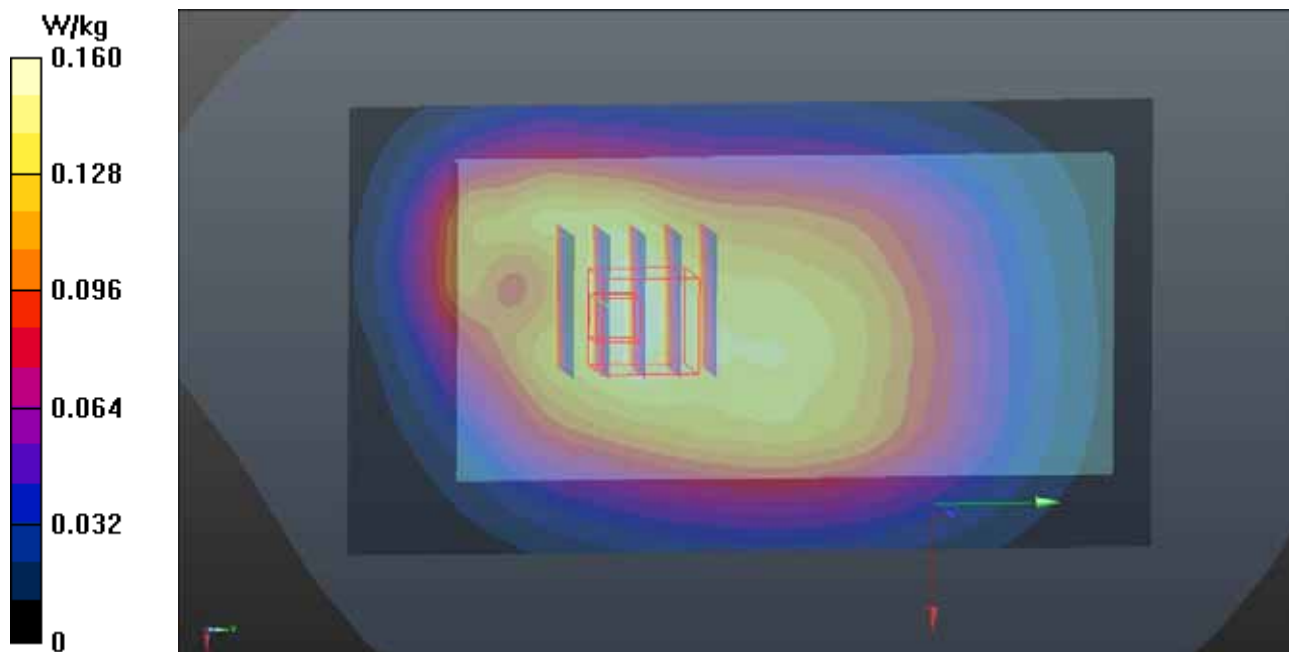
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.96 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.184 W/kg

**SAR(1 g) = 0.139 W/kg; SAR(10 g) = 0.105 W/kg**

Maximum value of SAR (measured) = 0.162 W/kg



### P17 CDMA2000 BC0\_RTAP153.6\_Front Face\_1cm\_Ch777\_Sample1

**DUT: 150324C20**

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

Medium: B08T09N1\_0513 Medium parameters used:  $f = 848.31$  MHz;  $\sigma = 1.004$  S/m;  $\epsilon_r = 55.166$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.3, 10.3, 10.3); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- Phantom: Twin SAM Phantom\_1654; 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) = 0.199 W/kg

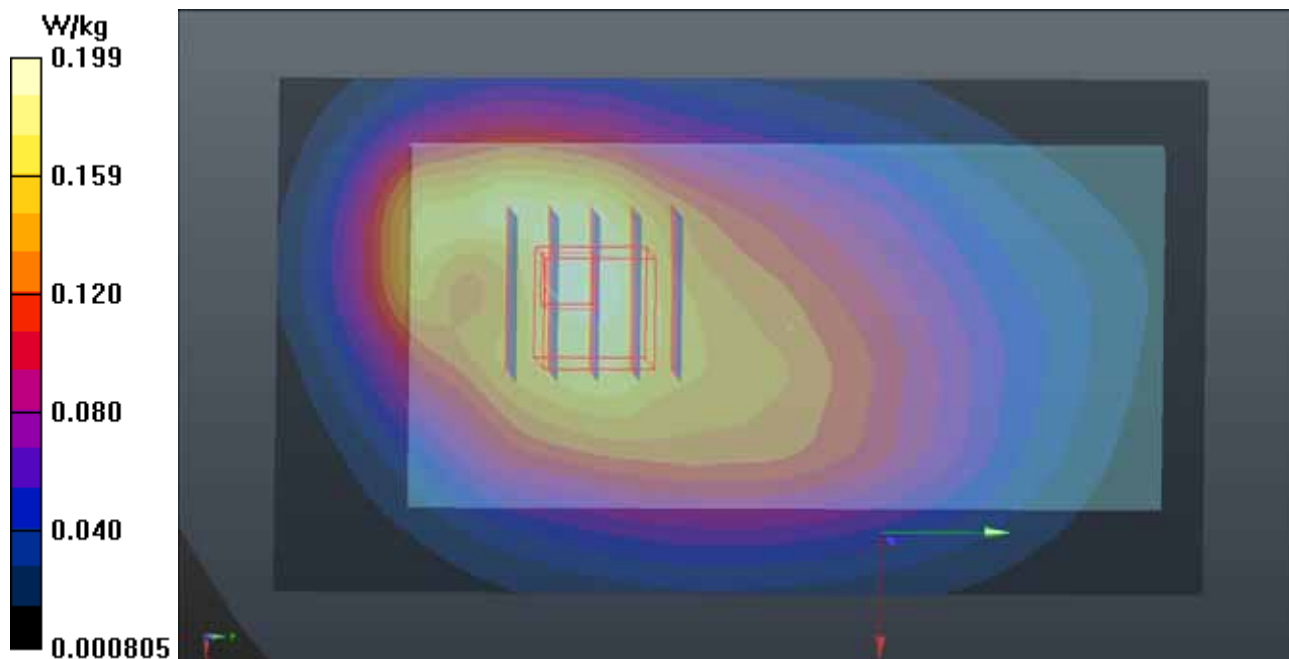
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.43 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.240 W/kg

**SAR(1 g) = 0.171 W/kg; SAR(10 g) = 0.122 W/kg**

Maximum value of SAR (measured) = 0.206 W/kg



### P18 CDMA200 BC1\_RTAP 153.6\_Rear Face\_1cm\_Ch1175\_Sample1

**DUT: 150324C20**

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

Medium: B18T19N1\_0507 Medium parameters used:  $f = 1909$  MHz;  $\sigma = 1.558$  S/m;  $\epsilon_r = 53.054$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.2 °C; Liquid Temperature : 21.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.08, 8.08, 8.08); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn916; Calibrated: 2014/12/29
- Phantom: Twin SAM Phantom\_1654; 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) = 0.615 W/kg

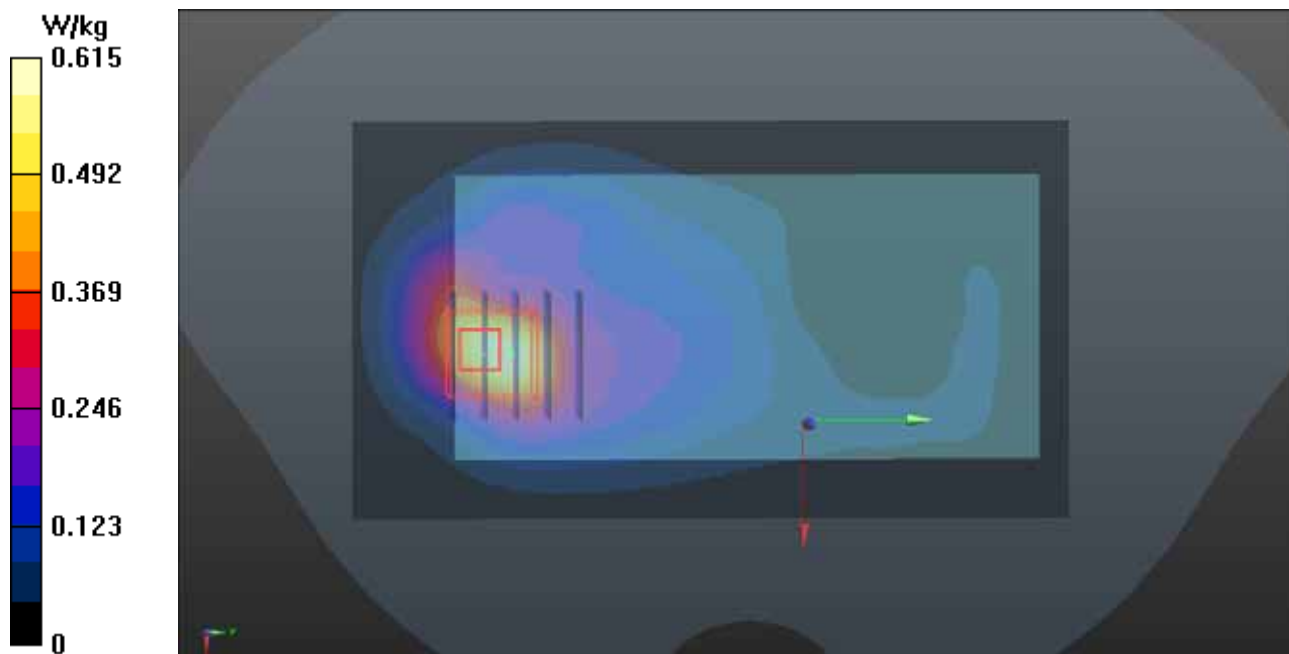
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.278 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.966 W/kg

**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.281 W/kg**

Maximum value of SAR (measured) = 0.772 W/kg



### P19 LTE 2\_QPSK20M\_Rear Face\_1cm\_Ch18700\_Sample2\_1RB\_OS0

**DUT: 150324C20**

Communication System: LTE 2; Frequency: 1860 MHz; Duty Cycle: 1:1

Medium: B18T19N1\_0513 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.498$  S/m;  $\epsilon_r = 52.001$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(8.08, 8.08, 8.08); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- 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) = 0.770 W/kg

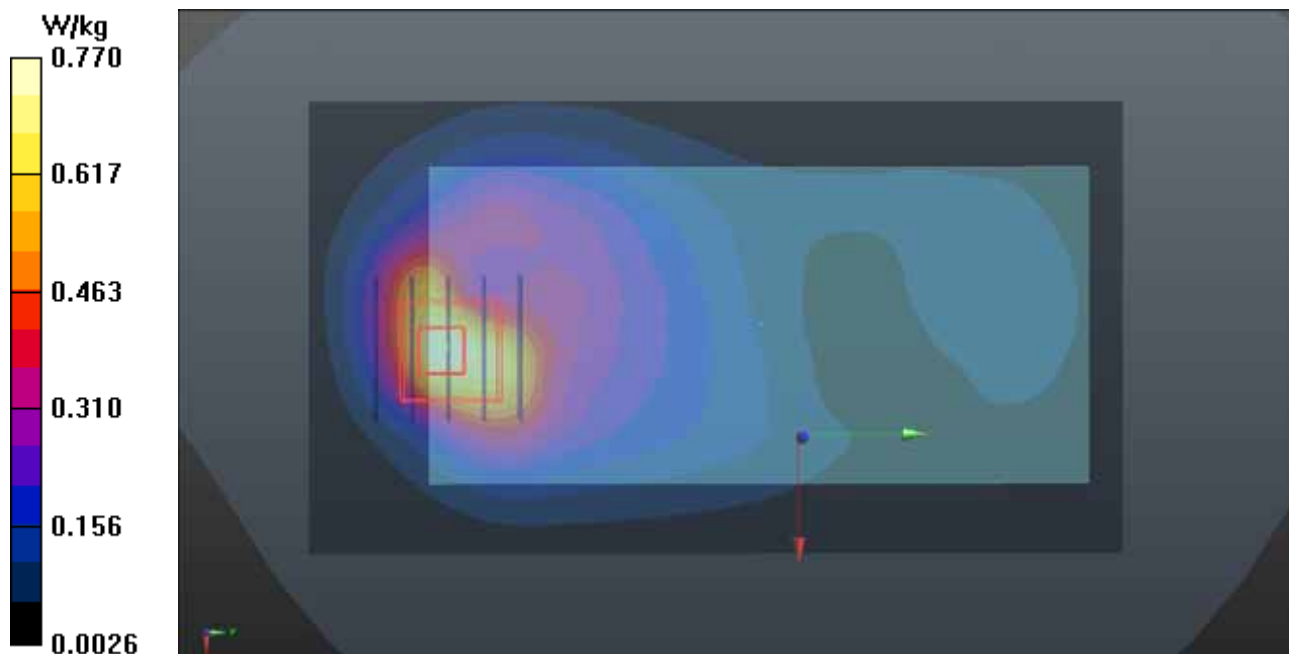
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.197 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.21 W/kg

**SAR(1 g) = 0.684 W/kg; SAR(10 g) = 0.359 W/kg**

Maximum value of SAR (measured) = 0.974 W/kg



### P20 LTE 4\_QPSK20M\_Rear Face\_1cm\_Ch20175\_Sample1\_1RB\_OS0

**DUT: 150324C20**

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

Medium: B17T18N1\_0512 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.526$  S/m;  $\epsilon_r = 52.688$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.2 °C ; Liquid Temperature : 22.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.02, 8.02, 8.02); 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 (71x121x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 0.780 W/kg

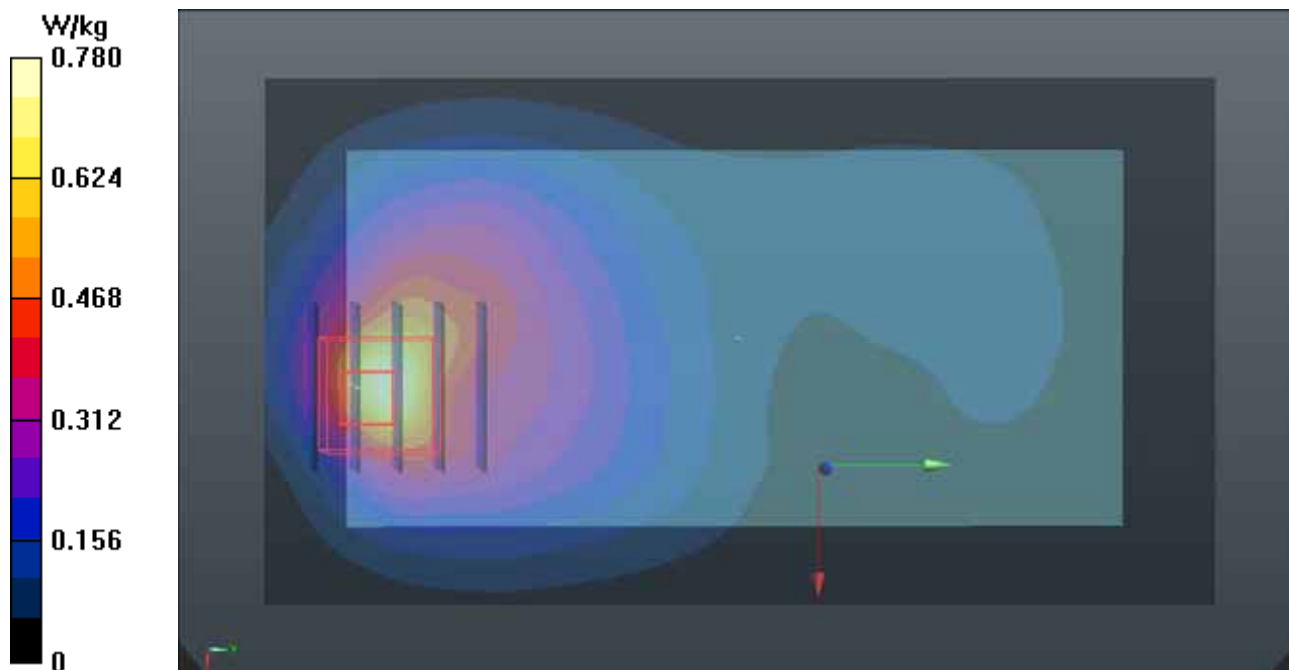
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.312 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.837 W/kg

**SAR(1 g) = 0.474 W/kg; SAR(10 g) = 0.256 W/kg**

Maximum value of SAR (measured) = 0.649 W/kg



## P21 LTE 5\_QPSK10M\_Front Face\_1cm\_Ch20600\_Sample1\_1RB\_OS24

**DUT: 150324C20**

Communication System: LTE 5; Frequency: 844 MHz; Duty Cycle: 1:1

Medium: B08T09N1\_0513 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 1 \text{ S/m}$ ;  $\epsilon_r = 55.232$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature :  $22.5 \text{ }^\circ\text{C}$ ; Liquid Temperature :  $21.5 \text{ }^\circ\text{C}$

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.3, 10.3, 10.3); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- Phantom: Twin SAM Phantom\_1654; 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) =  $0.126 \text{ W/kg}$

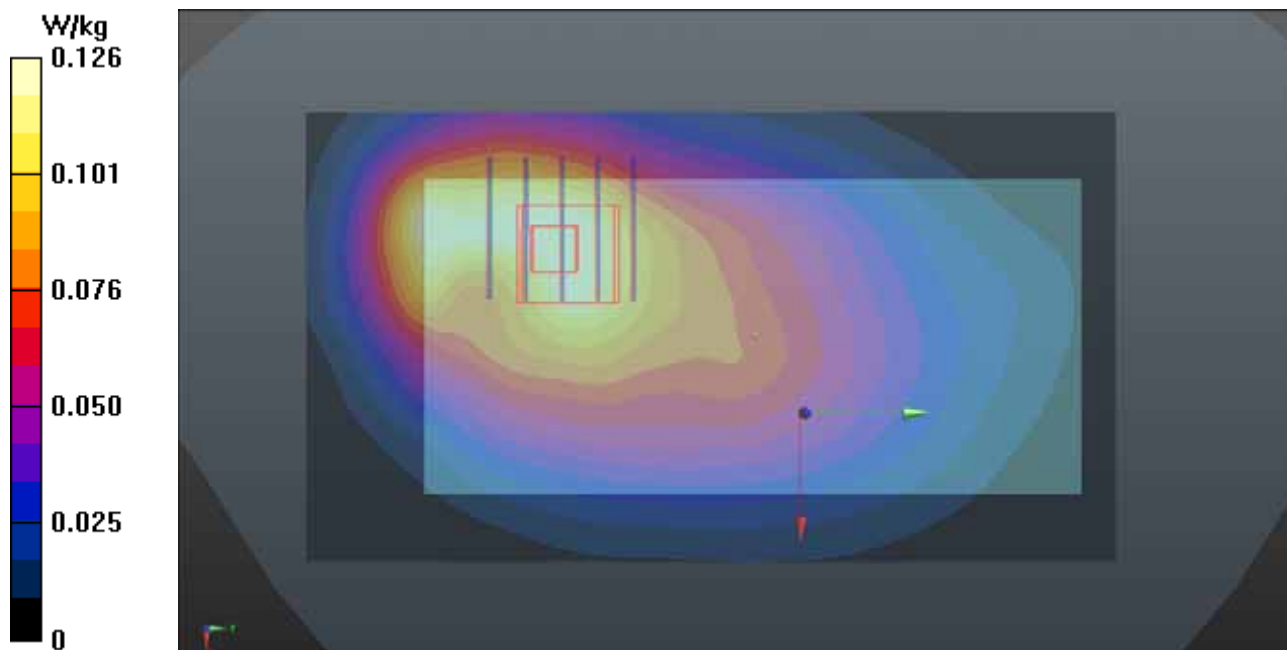
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value =  $8.602 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$

Peak SAR (extrapolated) =  $0.151 \text{ W/kg}$

**SAR(1 g) =  $0.105 \text{ W/kg}$ ; SAR(10 g) =  $0.073 \text{ W/kg}$**

Maximum value of SAR (measured) =  $0.127 \text{ W/kg}$



### P22 LTE 7\_QPSK20M\_Rear Face\_1cm\_Ch20850\_Sample2\_1RB\_OS50

**DUT: 150324C20**

Communication System: LTE 7; Frequency: 2510 MHz; Duty Cycle: 1:1

Medium: B25T27N1\_0513 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.07$  S/m;  $\epsilon_r = 52.297$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.2 °C ; Liquid Temperature : 21.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(7.44, 7.44, 7.44); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- Phantom: Twin SAM Phantom\_1202; 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) = 0.380 W/kg

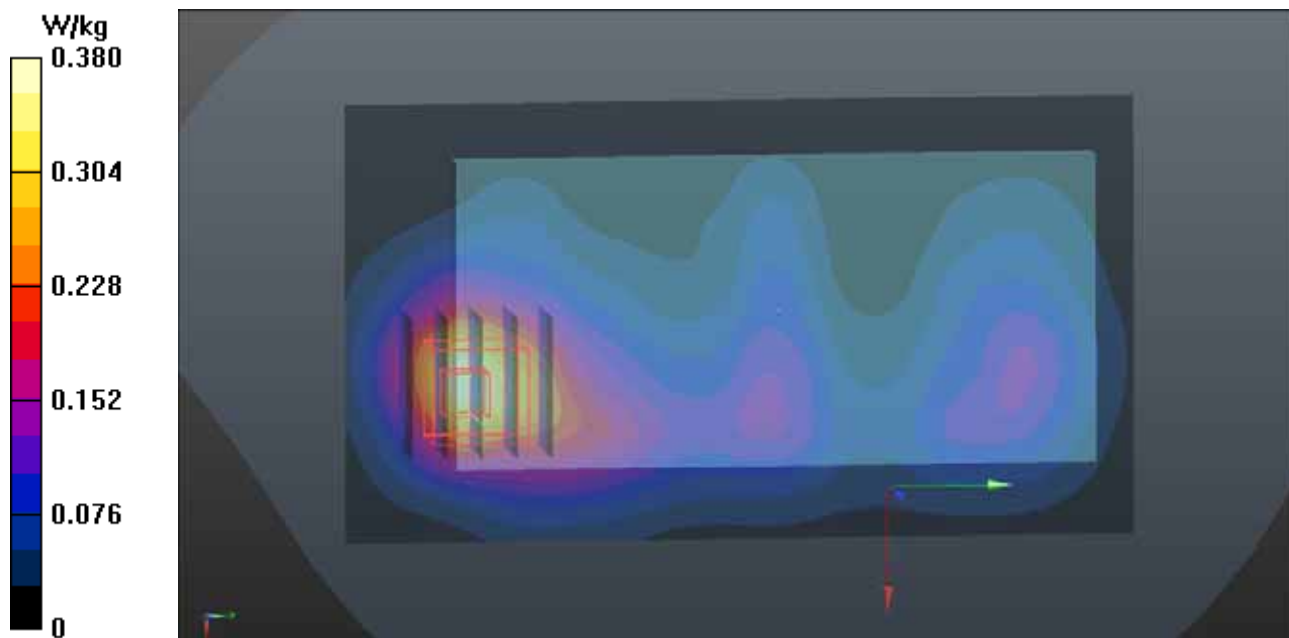
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.778 V/m; Power Drift = 0.04 dB

Peak SAR (extrapolated) = 0.508 W/kg

**SAR(1 g) = 0.257 W/kg; SAR(10 g) = 0.135 W/kg**

Maximum value of SAR (measured) = 0.361 W/kg



### P23 LTE 13\_QPSK10M\_Front Face\_1cm\_Ch23230\_Sample1\_1RB\_OS0

**DUT: 150324C20**

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

Medium: B07T08N1\_0513 Medium parameters used:  $f = 782 \text{ MHz}$ ;  $\sigma = 0.993 \text{ S/m}$ ;  $\epsilon_r = 55.125$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 22.5 °C ; Liquid Temperature : 21.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3590; ConvF(10.34, 10.34, 10.34); Calibrated: 2015/02/26;
- Sensor-Surface: 2mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2015/04/28
- Phantom: Twin SAM Phantom\_1654; 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) = 0.186 W/kg

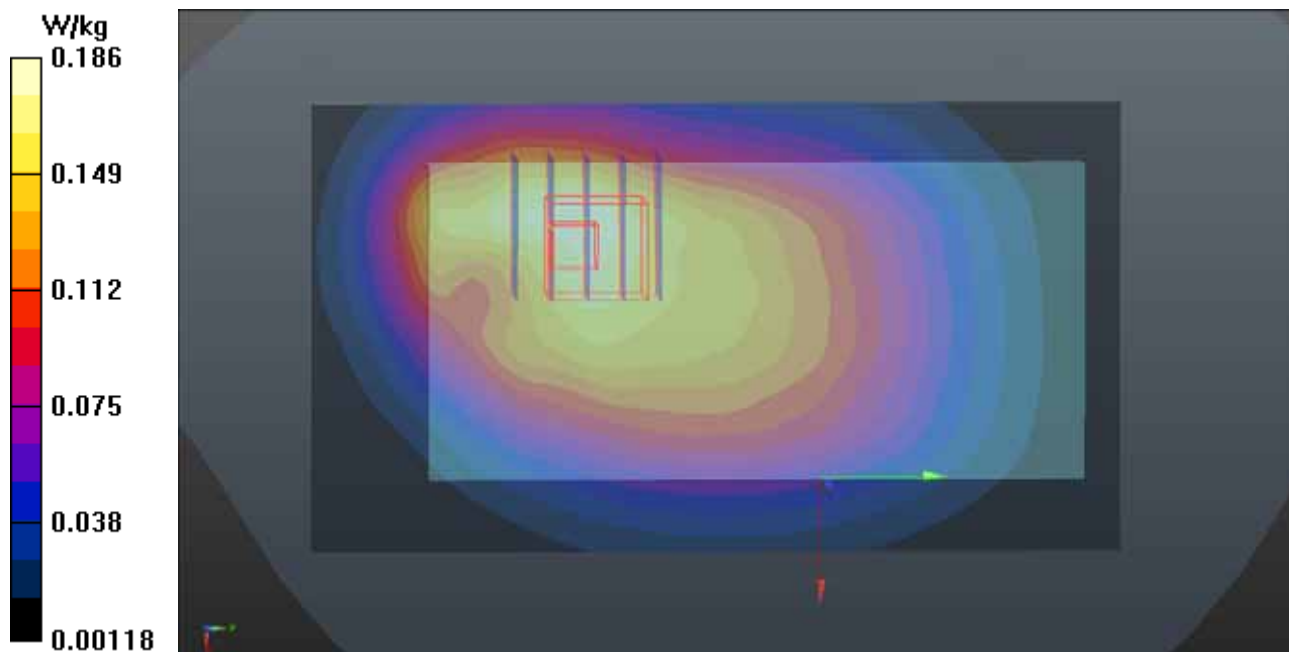
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 11.84 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.220 W/kg

**SAR(1 g) = 0.160 W/kg; SAR(10 g) = 0.115 W/kg**

Maximum value of SAR (measured) = 0.191 W/kg





## P24 2.4G WLAN\_802.11b\_Rear Face\_1cm\_Ch6\_Sample2

**DUT: 150324C20**

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

Medium: B24T25N1\_0510 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.965$  S/m;  $\epsilon_r = 53.605$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 22.9 °C ; Liquid Temperature : 22.2 °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 (91x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.581 W/kg

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

Reference Value = 3.975 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.848 W/kg

**SAR(1 g) = 0.408 W/kg; SAR(10 g) = 0.183 W/kg**

Maximum value of SAR (measured) = 0.630 W/kg

