



## **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\_Left Cheek\_Ch128\_Ant0

**DUT: 150821C08**

Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4

Medium: H07T10N2\_0907 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 0.934$  S/m;  $\epsilon_r = 43.22$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.9, 9.9, 9.9); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.335 W/kg

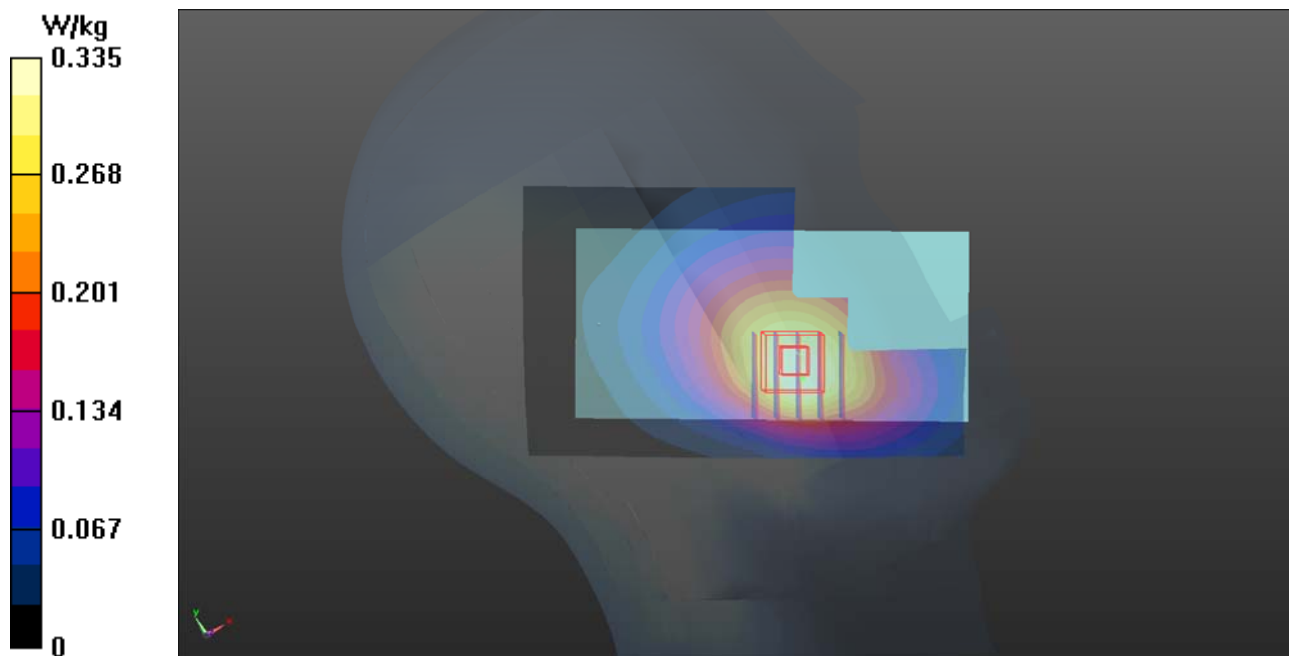
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.646 V/m; Power Drift = 0.12 dB

Peak SAR (extrapolated) = 0.358 W/kg

**SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.210 W/kg**

Maximum value of SAR (measured) = 0.326 W/kg



## P02 GSM1900\_GPRS10\_Left Cheek\_Ch512\_Ant1

**DUT: 150821C08**

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

Medium: H16T20N1\_0908 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.412$  S/m;  $\epsilon_r = 40.089$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.21, 8.21, 8.21); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.662 W/kg

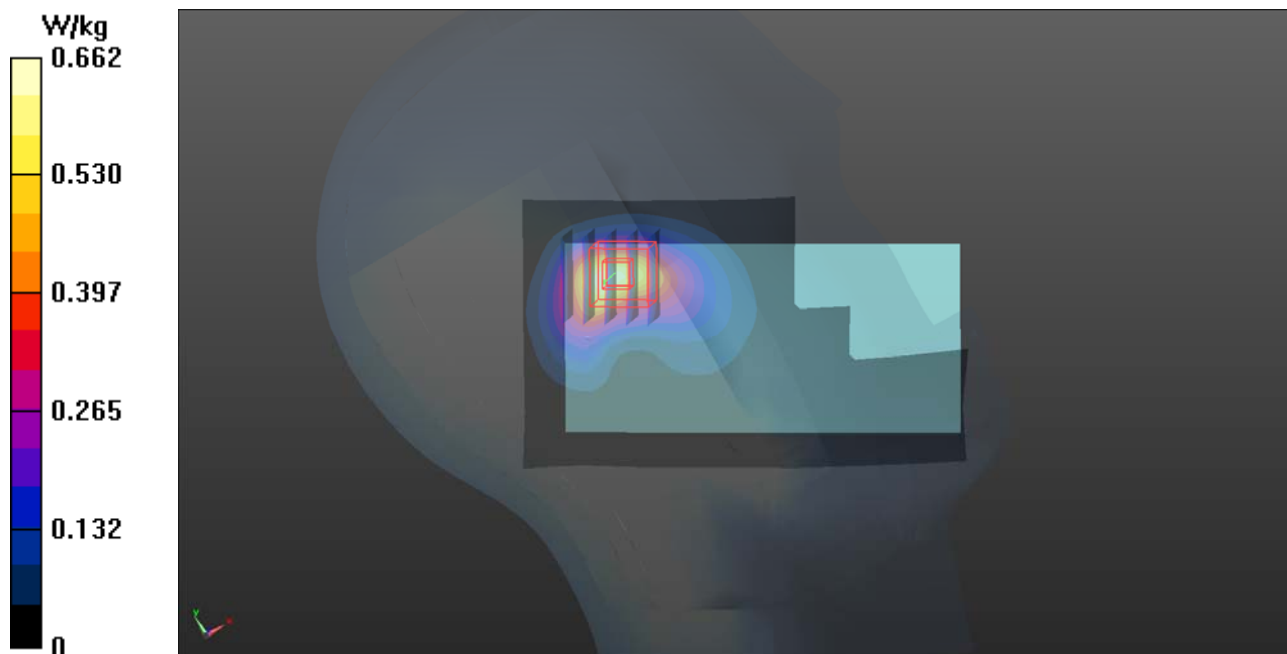
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.84 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.812 W/kg

**SAR(1 g) = 0.456 W/kg; SAR(10 g) = 0.235 W/kg**

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



## P03 WCDMA II\_RMC12.2K\_Left Cheek\_Ch9538\_Ant0

**DUT: 150821C08**

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

Medium: H16T20N1\_0903 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.47$  S/m;  $\epsilon_r = 40.256$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.11, 8.11, 8.11); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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 (61x101x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.00 W/kg

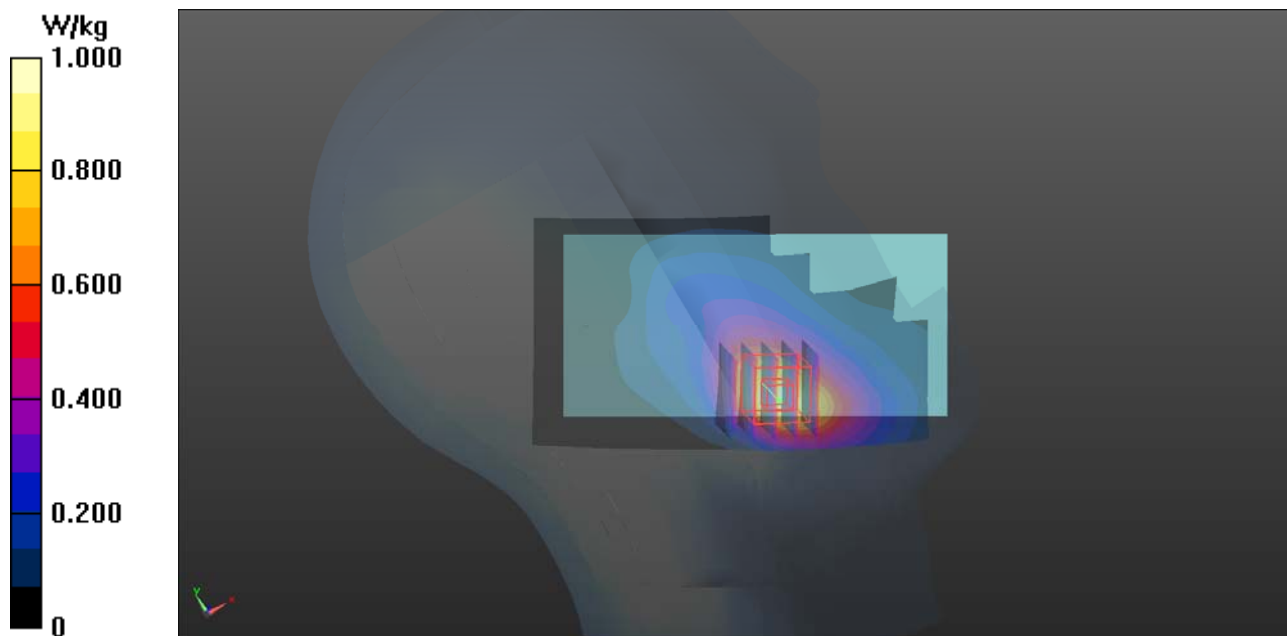
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 5.231 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.433 W/kg**

Maximum value of SAR (measured) = 0.961 W/kg



## P04 WCDMA IV\_RMC12.2K\_Left Cheek\_Ch1413\_Ant1

**DUT: 150821C08**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0903 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.309$  S/m;  $\epsilon_r = 40.898$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.26, 8.26, 8.26); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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 (61x111x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.10 W/kg

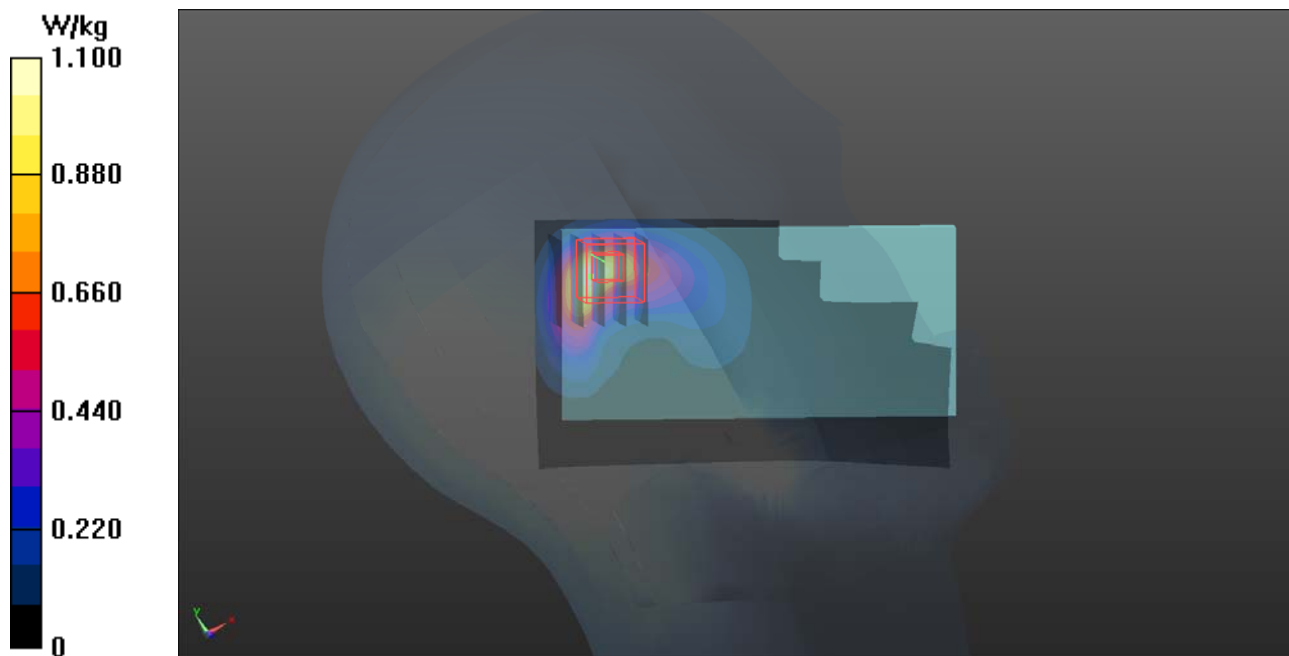
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.93 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.15 W/kg

**SAR(1 g) = 0.584 W/kg; SAR(10 g) = 0.313 W/kg**

Maximum value of SAR (measured) = 0.834 W/kg



## P05 WCDMA V\_RMC12.2K\_Left Cheek\_Ch4233\_Ant0

**DUT: 150821C08**

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

Medium: H07T10N2\_0907 Medium parameters used:  $f = 847 \text{ MHz}$ ;  $\sigma = 0.958 \text{ S/m}$ ;  $\epsilon_r = 42.931$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.9, 9.9, 9.9); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

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

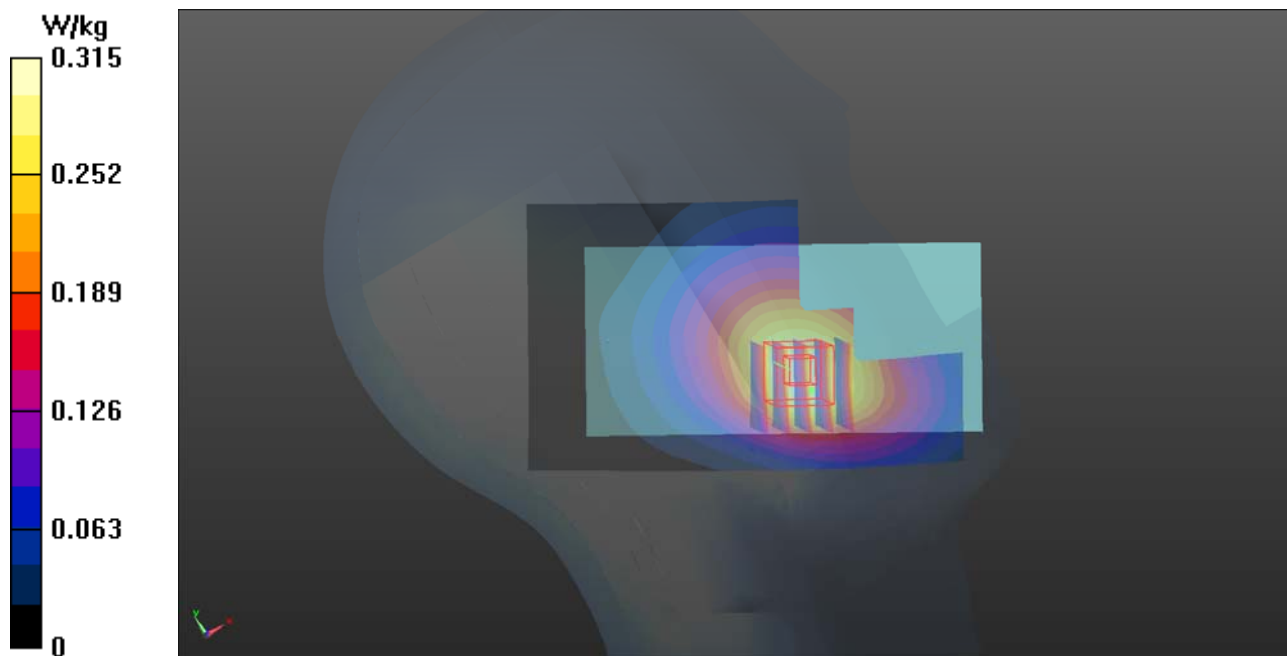
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 7.064 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.343 W/kg

**SAR(1 g) = 0.266 W/kg; SAR(10 g) = 0.199 W/kg**

Maximum value of SAR (measured) = 0.314 W/kg



## P06 LTE 2\_QPSK20M\_Left Cheek\_Ch19100\_Ant1\_1RB\_OS50

**DUT: 150821C08**

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: H16T20N1\_0908 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.459$  S/m;  $\epsilon_r = 39.968$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.21, 8.21, 8.21); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.815 W/kg

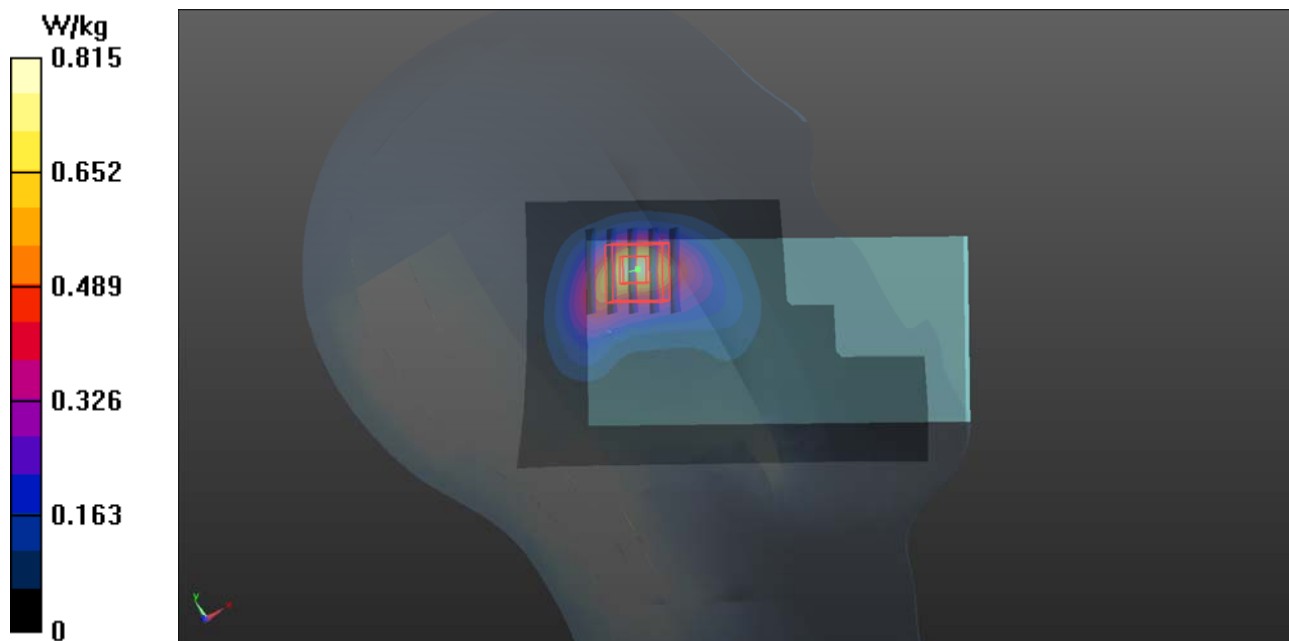
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.47 V/m; Power Drift = -0.13 dB

Peak SAR (extrapolated) = 0.931 W/kg

**SAR(1 g) = 0.540 W/kg; SAR(10 g) = 0.279 W/kg**

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



### P07 LTE 4\_QPSK20M\_Left Cheek\_Ch20175\_Ant1\_1RB\_OS0

**DUT: 150821C08**

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

Medium: H16T20N1\_0908 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.315$  S/m;  $\epsilon_r = 40.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(8.49, 8.49, 8.49); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.947 W/kg

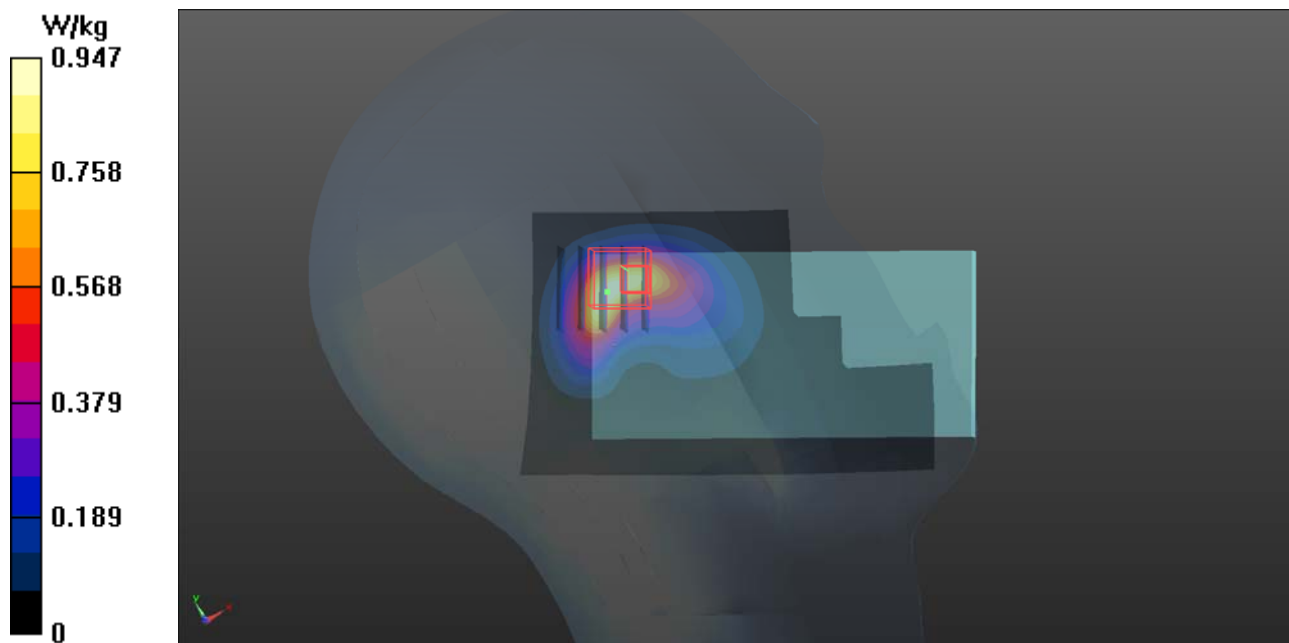
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 13.08 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 1.10 W/kg

**SAR(1 g) = 0.629 W/kg; SAR(10 g) = 0.302 W/kg**

Maximum value of SAR (measured) = 0.855 W/kg





### P08 LTE 5\_QPSK10M\_Left Cheek\_Ch20525\_Ant0\_1RB\_OS0

**DUT: 150821C08**

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

Medium: H07T10N2\_0907 Medium parameters used:  $f = 836.5$  MHz;  $\sigma = 0.947$  S/m;  $\epsilon_r = 43.064$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.9, 9.9, 9.9); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.277 W/kg

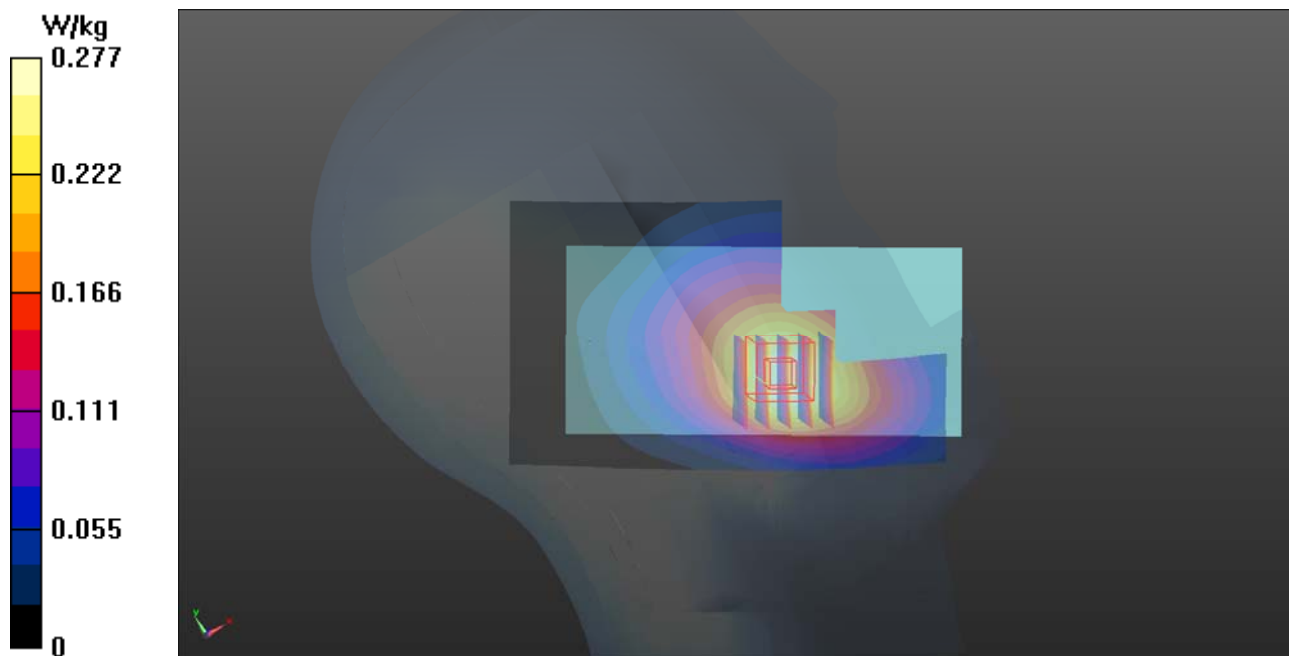
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 6.872 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.296 W/kg

**SAR(1 g) = 0.228 W/kg; SAR(10 g) = 0.172 W/kg**

Maximum value of SAR (measured) = 0.268 W/kg



### P09 LTE 7\_QPSK20M\_Left Cheek\_Ch20850\_Ant0\_1RB\_OS50

**DUT: 150821C08**

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

Medium: H19T27N1\_0908 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 1.931$  S/m;  $\epsilon_r = 38.828$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.9 °C; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.26, 7.26, 7.26); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.770 W/kg

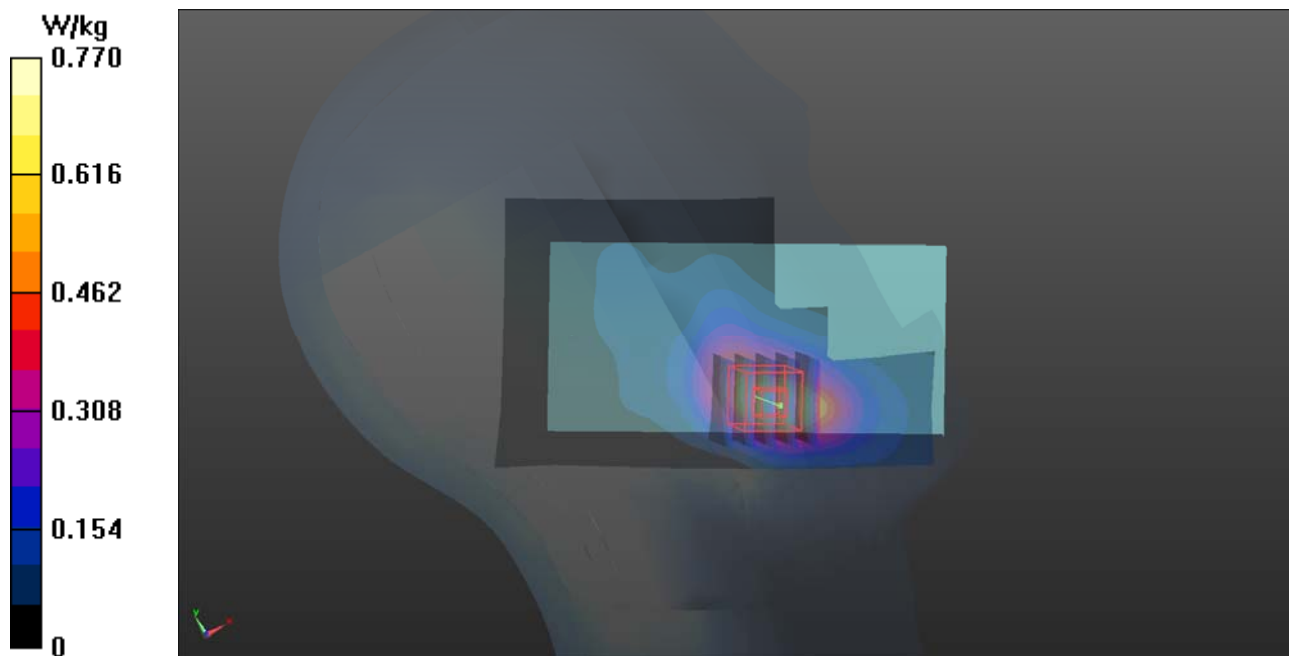
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.902 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.810 W/kg

**SAR(1 g) = 0.451 W/kg; SAR(10 g) = 0.248 W/kg**

Maximum value of SAR (measured) = 0.662 W/kg



### P10 LTE 12\_QPSK10M\_Left Cheek\_Ch23095\_Ant0\_1RB\_OS24

**DUT: 150821C08**

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_0907 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.847$  S/m;  $\epsilon_r = 42.984$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(10.24, 10.24, 10.24); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1652; 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) = 0.137 W/kg

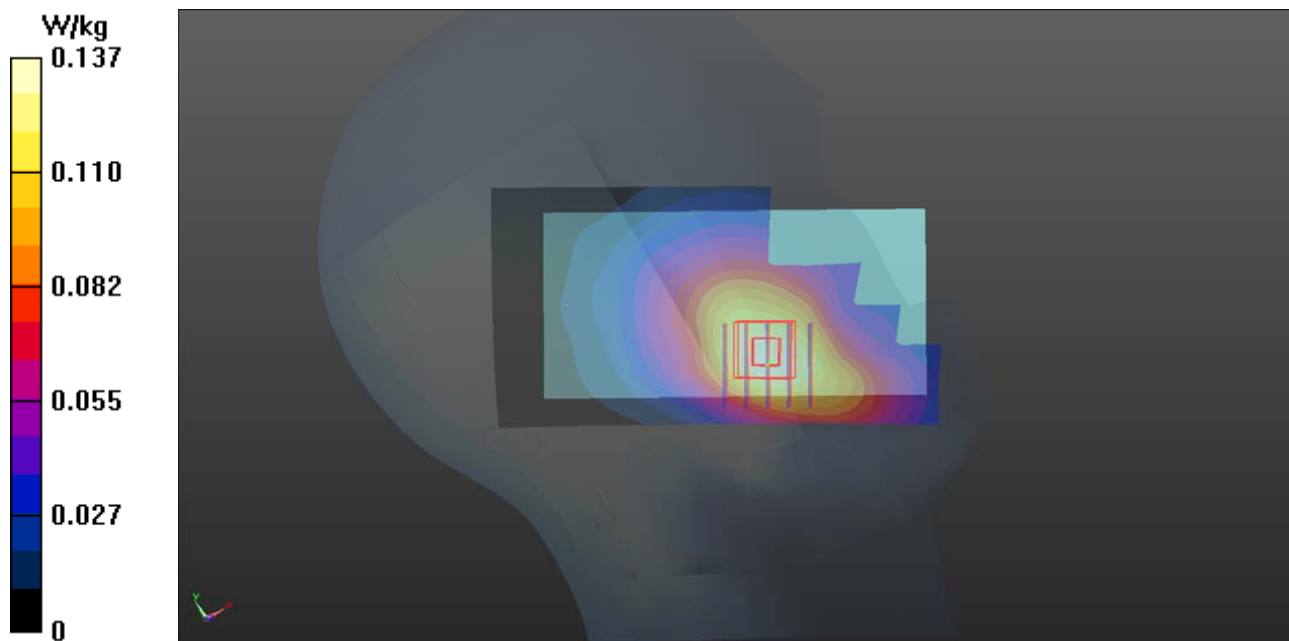
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.473 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.114 W/kg; SAR(10 g) = 0.088 W/kg**

Maximum value of SAR (measured) = 0.132 W/kg



### P13 2.4G WLAN\_802.11b\_Right Cheek\_Ch6

**DUT: 150821C08**

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

Medium: H19T27N1\_0827 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 1.849$  S/m;  $\epsilon_r = 38.099$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.0 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(7.13, 7.13, 7.13); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2015/07/22
- Phantom: Twin SAM Phantom\_1485; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.615 W/kg

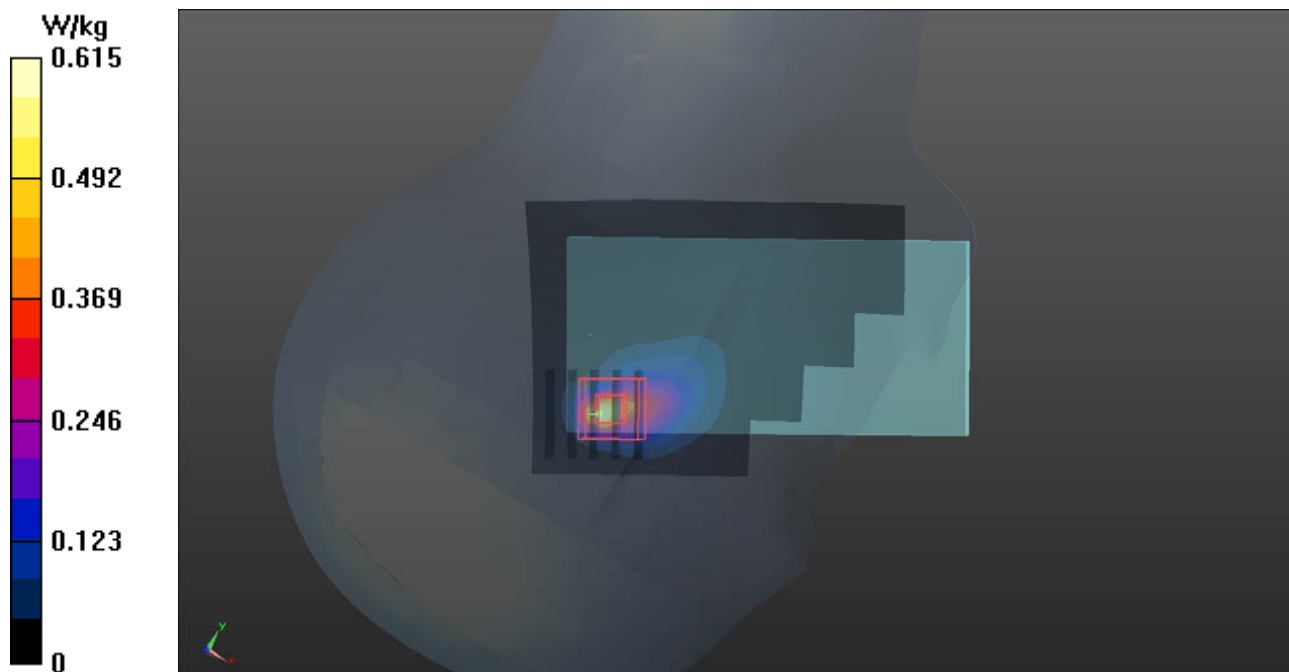
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.849 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.678 W/kg

**SAR(1 g) = 0.279 W/kg; SAR(10 g) = 0.114 W/kg**

Maximum value of SAR (measured) = 0.499 W/kg



## P14 5.3G WLAN\_802.11a\_Right Cheek\_Ch60

**DUT: 1500821C08**

Communication System: WLAN\_5G; Frequency: 5300 MHz; Duty Cycle: 1:1.17

Medium: H34T60N3\_0828 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 4.902$  S/m;  $\epsilon_r = 35.261$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(5.28, 5.28, 5.28); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

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

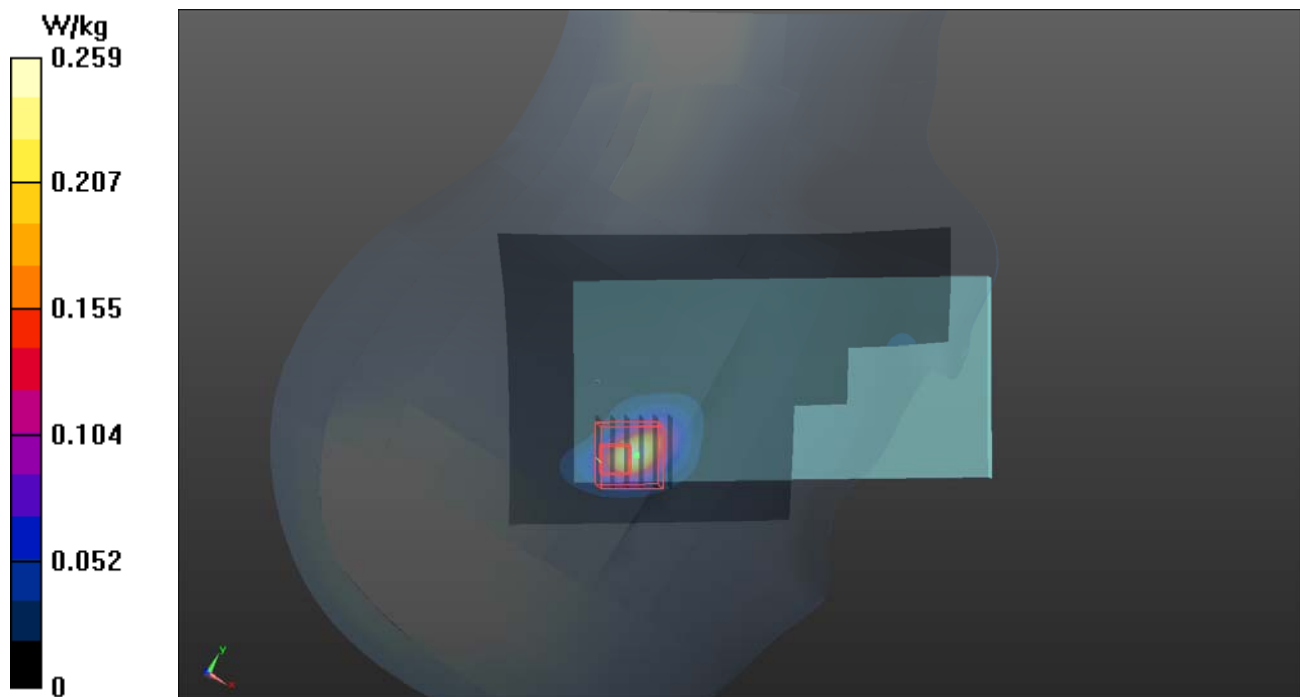
- **Zoom Scan (6x6x12)/Cube 0**: Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.070 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.02 W/kg

**SAR(1 g) = 0.098 W/kg; SAR(10 g) = 0.024 W/kg**

Maximum value of SAR (measured) = 0.281 W/kg



## P15 5.6G WLAN\_802.11a\_Right Cheek\_Ch116

**DUT: 150821C08**

Communication System: WLAN\_5G; Frequency: 5580 MHz; Duty Cycle: 1:1.17

Medium: H34T60N3\_0828 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.194$  S/m;  $\epsilon_r = 34.732$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.77, 4.77, 4.77); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.524 W/kg

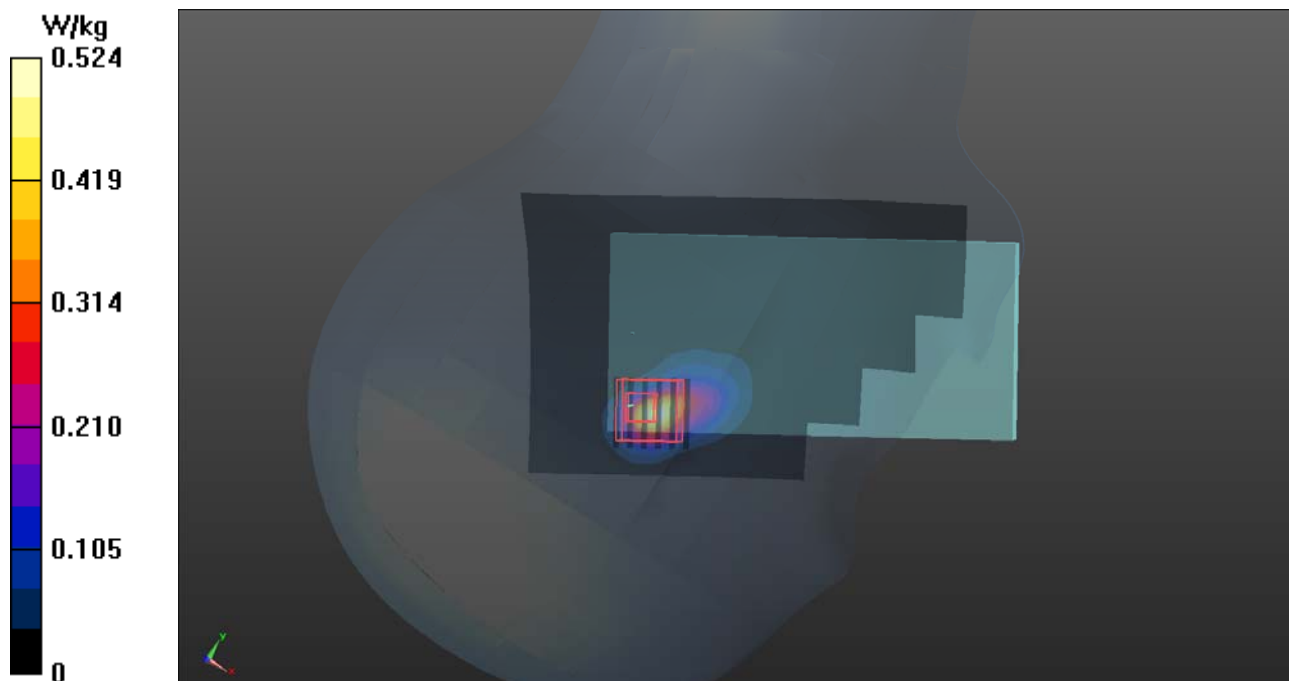
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.354 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.83 W/kg

**SAR(1 g) = 0.200 W/kg; SAR(10 g) = 0.054 W/kg**

Maximum value of SAR (measured) = 0.524 W/kg



## P16 5.8G WLAN\_802.11a\_Right Cheek\_Ch157

**DUT: 150821C08**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1.17

Medium: H34T60N3\_0828 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 5.429$  S/m;  $\epsilon_r = 34.435$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.91, 4.91, 4.91); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.542 W/kg

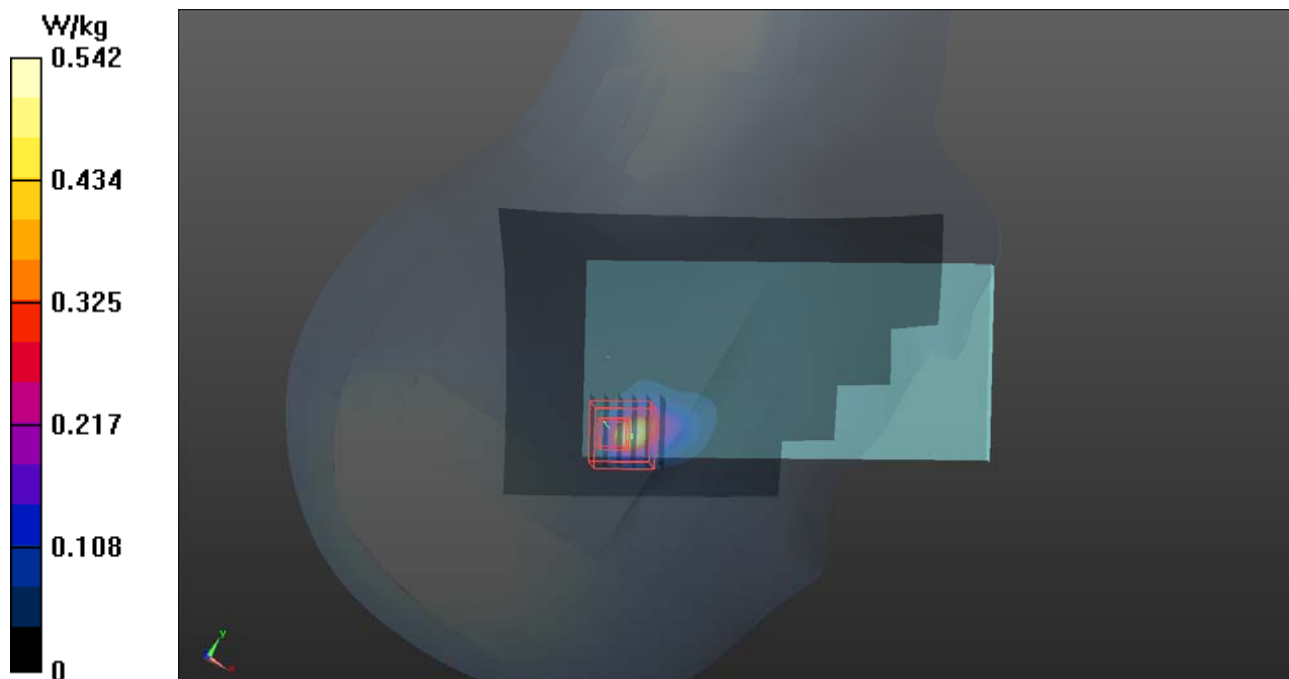
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 2.093 V/m; Power Drift = 0.16 dB

Peak SAR (extrapolated) = 0.687 W/kg

**SAR(1 g) = 0.149 W/kg; SAR(10 g) = 0.042 W/kg**

Maximum value of SAR (measured) = 0.398 W/kg



### P17 GSM850\_GPRS10\_Rear Face\_1cm\_Ch128\_Ant0

**DUT: 150821C08**

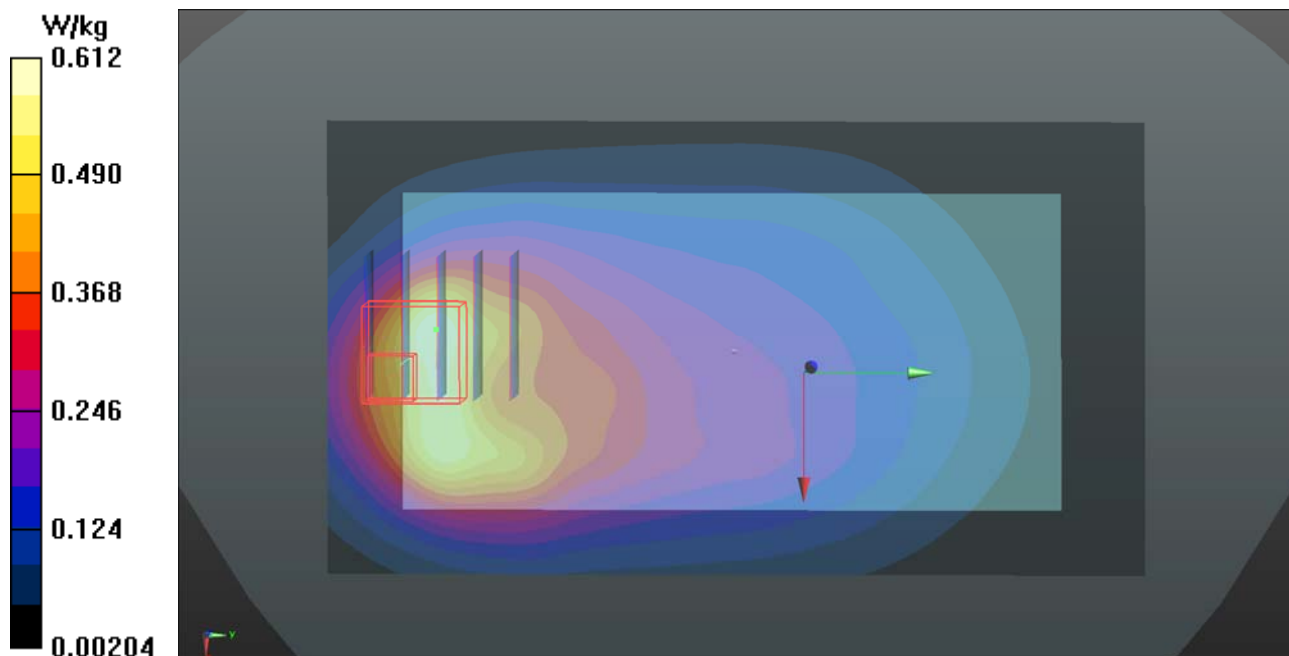
Communication System: GPRS10; Frequency: 824.2 MHz; Duty Cycle: 1:4  
Medium: B07T10N2\_0906 Medium parameters used:  $f = 824.2$  MHz;  $\sigma = 1.008$  S/m;  $\epsilon_r = 54.542$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.83, 9.83, 9.83); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.612 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 15.17 V/m; Power Drift = 0.02 dB  
Peak SAR (extrapolated) = 0.758 W/kg  
**SAR(1 g) = 0.417 W/kg; SAR(10 g) = 0.219 W/kg**  
Maximum value of SAR (measured) = 0.633 W/kg





### P18 GSM1900\_GPRS10\_Rear Face\_1cm\_Ch512\_Ant0

**DUT: 150821C08**

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

Medium: B16T20N1\_0906 Medium parameters used:  $f = 1850.2$  MHz;  $\sigma = 1.532$  S/m;  $\epsilon_r = 52.127$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

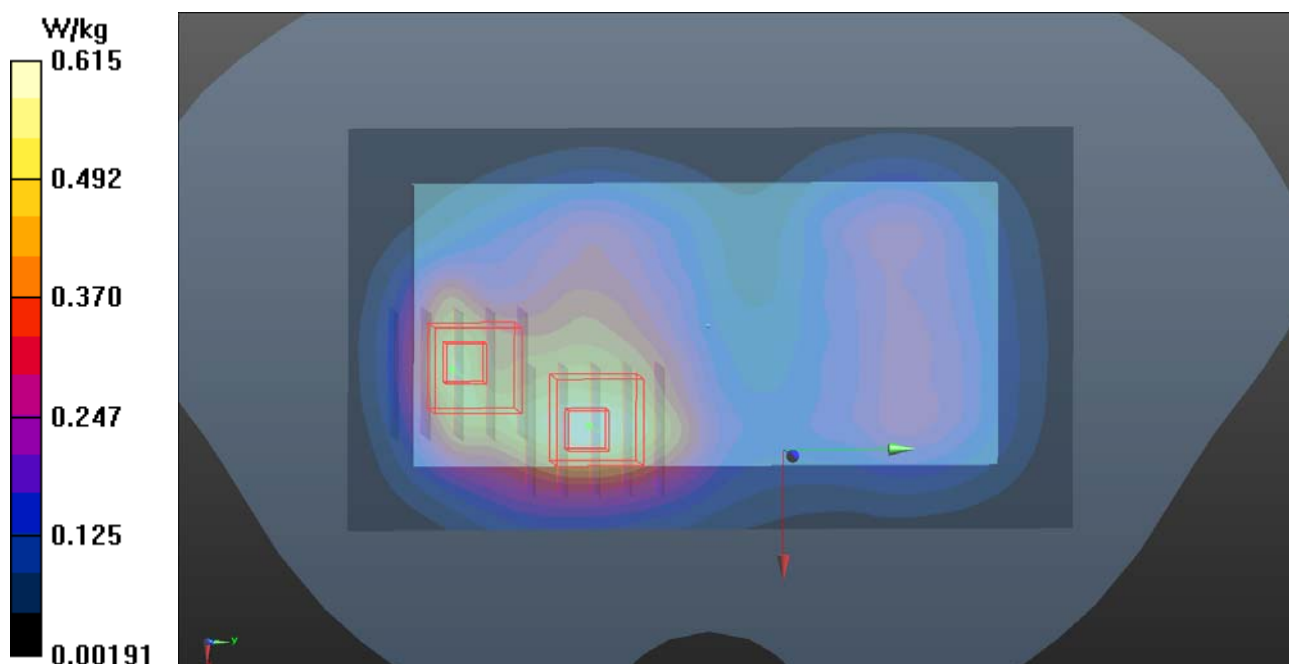
DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.85, 7.85, 7.85); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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) = 0.615 W/kg

- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.41 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.751 W/kg  
**SAR(1 g) = 0.429 W/kg; SAR(10 g) = 0.240 W/kg**  
Maximum value of SAR (measured) = 0.610 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
Reference Value = 10.41 V/m; Power Drift = 0.00 dB  
Peak SAR (extrapolated) = 0.656 W/kg  
**SAR(1 g) = 0.414 W/kg; SAR(10 g) = 0.261 W/kg**  
Maximum value of SAR (measured) = 0.566 W/kg



### P19 WCDMA II\_RMC12.2K\_Rear Face\_1cm\_Ch9538\_Ant0

**DUT: 150821C08**

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

Medium: B16T20N1\_0903 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.586$  S/m;  $\epsilon_r = 51.646$ ;  $\rho =$

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

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.85, 7.85, 7.85); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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) = 0.705 W/kg

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

Reference Value = 12.18 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.770 W/kg

**SAR(1 g) = 0.484 W/kg; SAR(10 g) = 0.311 W/kg**

Maximum value of SAR (measured) = 0.661 W/kg

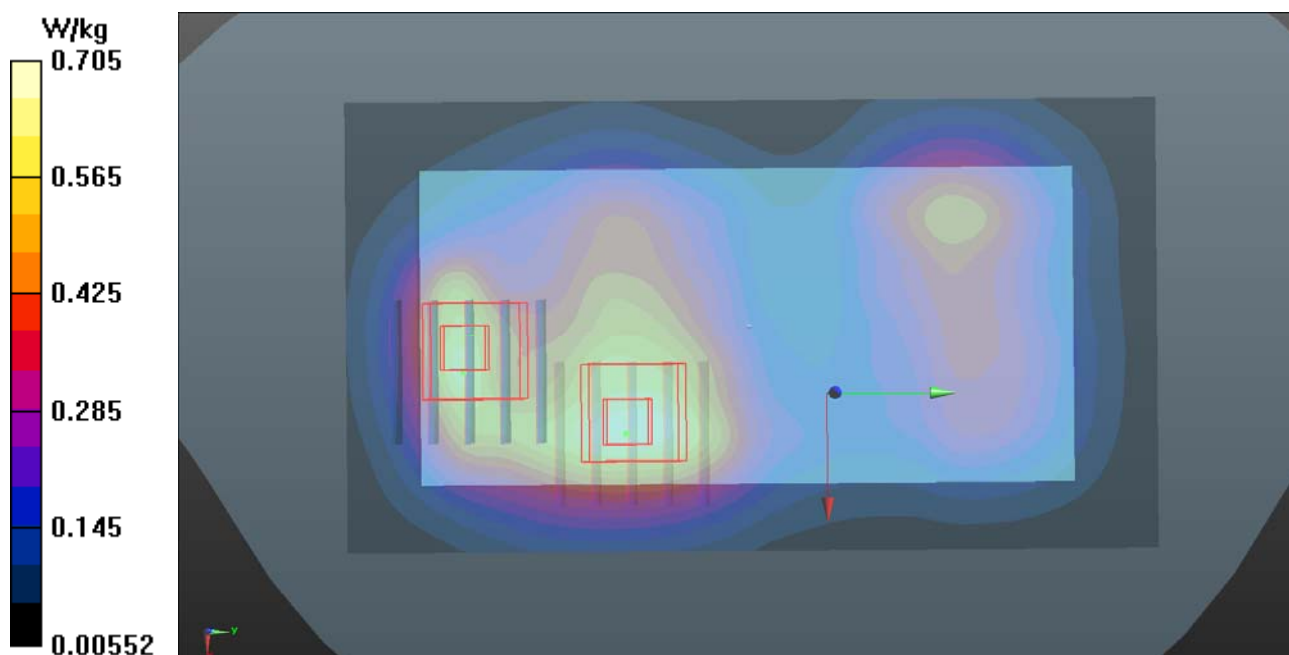
- **Zoom Scan (5x5x7)/Cube 1:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.18 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.840 W/kg

**SAR(1 g) = 0.473 W/kg; SAR(10 g) = 0.260 W/kg**

Maximum value of SAR (measured) = 0.712 W/kg



## P20 WCDMA IV\_RMC12.2K\_Rear Face\_1cm\_Ch1413\_Ant0

**DUT: 150821C08**

Communication System: WCDMA; Frequency: 1732.6 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_0903 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.423$  S/m;  $\epsilon_r = 52.062$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.3 °C ; Liquid Temperature : 22.7 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.04, 8.04, 8.04); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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) = 0.787 W/kg

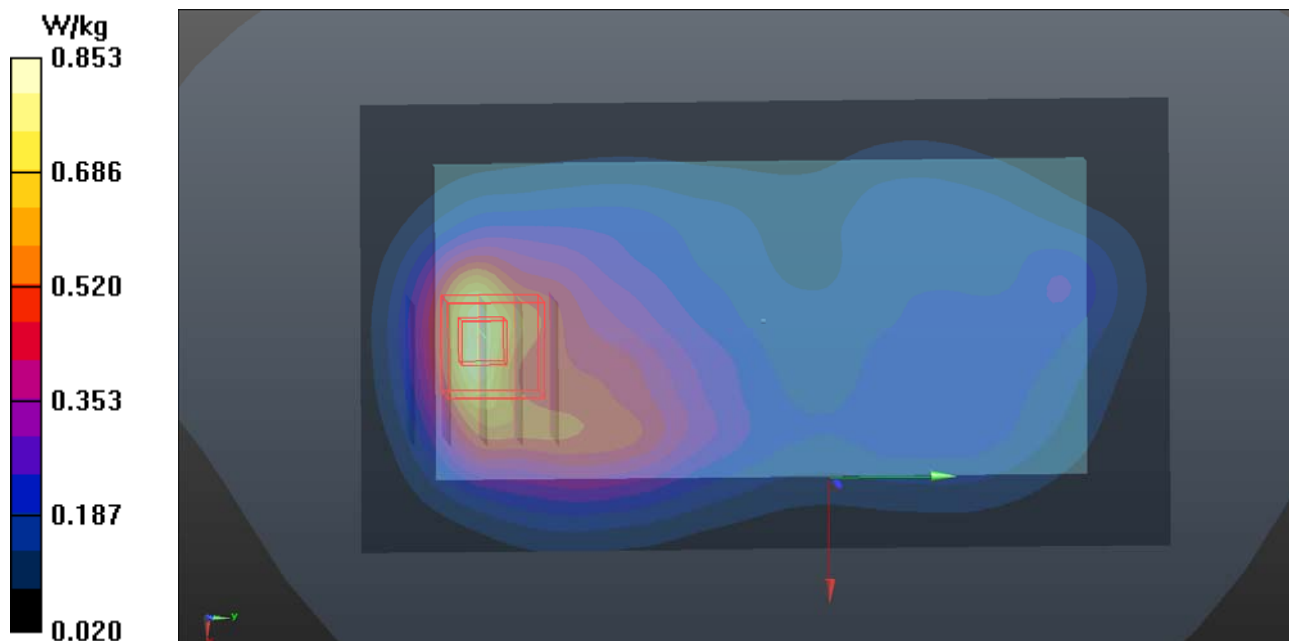
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 11.54 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.983 W/kg

**SAR(1 g) = 0.589 W/kg; SAR(10 g) = 0.341 W/kg**

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



## P21 WCDMA V\_RMC12.2K\_Rear Face\_1cm\_Ch4233\_Ant0

**DUT: 150821C08**

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

Medium: B07T10N2\_0906 Medium parameters used:  $f = 847$  MHz;  $\sigma = 1.029$  S/m;  $\epsilon_r = 54.251$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.83, 9.83, 9.83); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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) = 0.674 W/kg

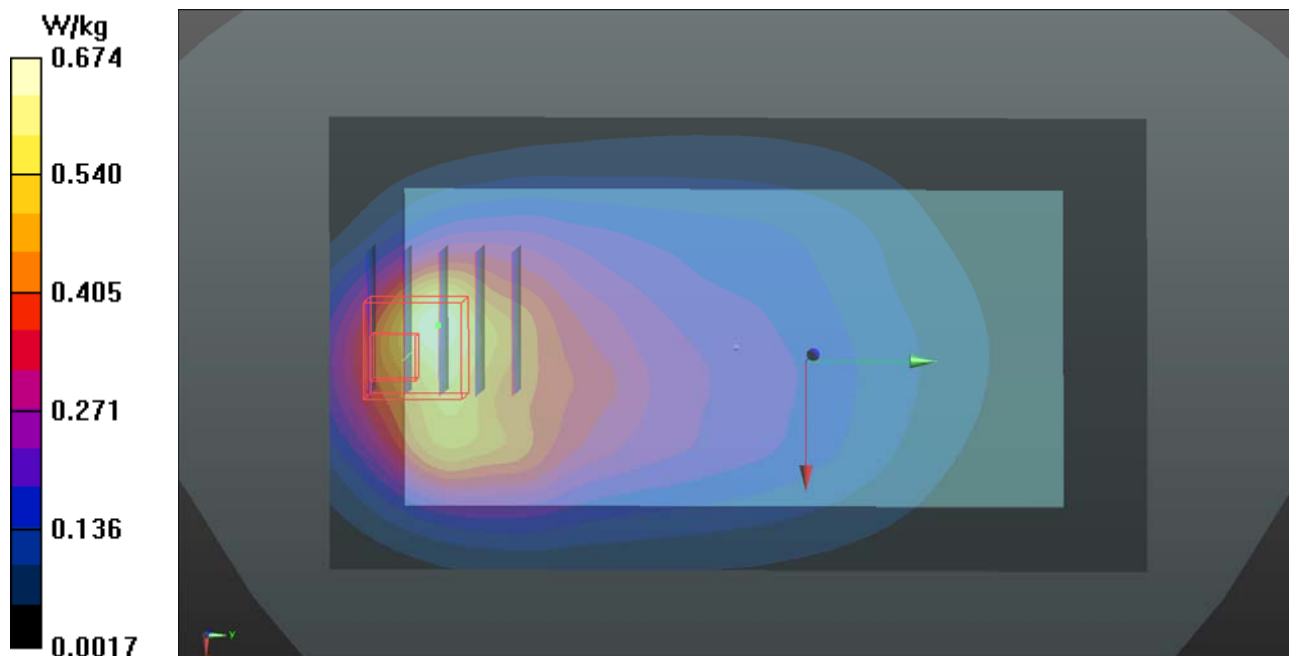
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 14.63 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.773 W/kg

**SAR(1 g) = 0.422 W/kg; SAR(10 g) = 0.222 W/kg**

Maximum value of SAR (measured) = 0.645 W/kg



## P22 LTE 2\_QPSK20M\_Rear Face\_1cm\_Ch19100\_Ant0\_1RB\_OS50

### DUT: 150821C08

Communication System: LTE; Frequency: 1900 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_0906 Medium parameters used:  $f = 1900$  MHz;  $\sigma = 1.573$  S/m;  $\epsilon_r = 52.055$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(7.85, 7.85, 7.85); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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) = 0.654 W/kg

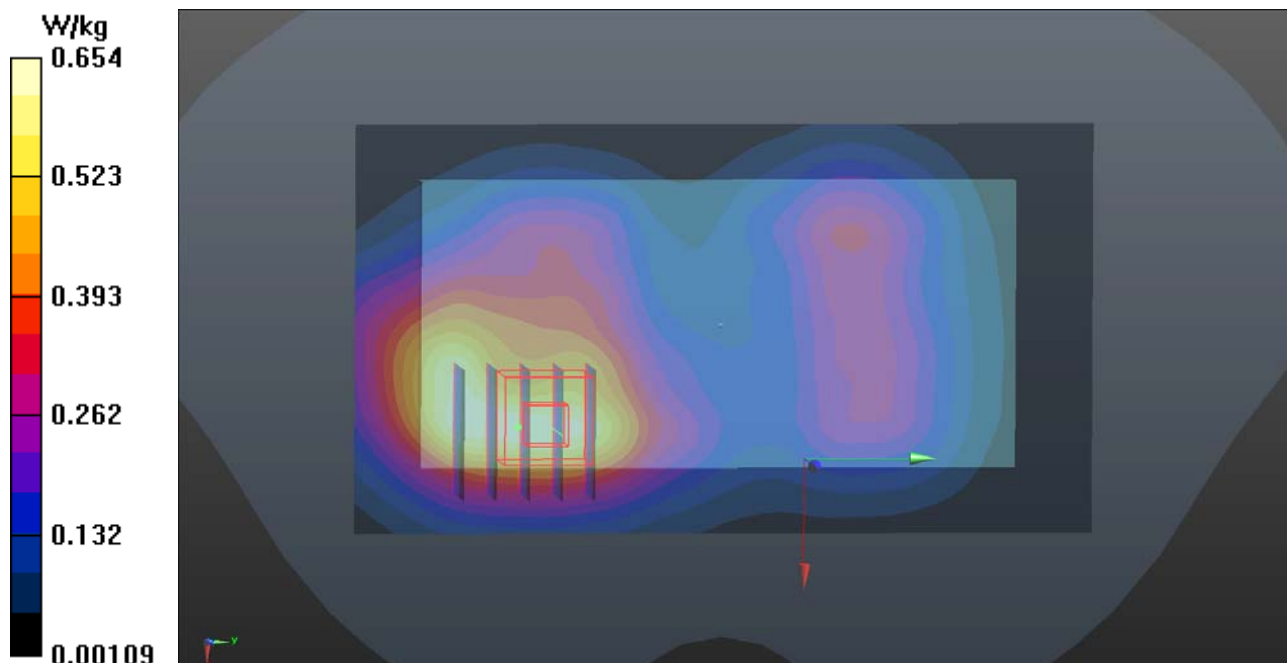
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 8.130 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 0.673 W/kg

**SAR(1 g) = 0.437 W/kg; SAR(10 g) = 0.279 W/kg**

Maximum value of SAR (measured) = 0.590 W/kg



**P23 LTE 4\_QPSK20M\_Rear Face\_1cm\_Ch20175\_Ant0\_1RB\_OS0**

**DUT: 150821C08**

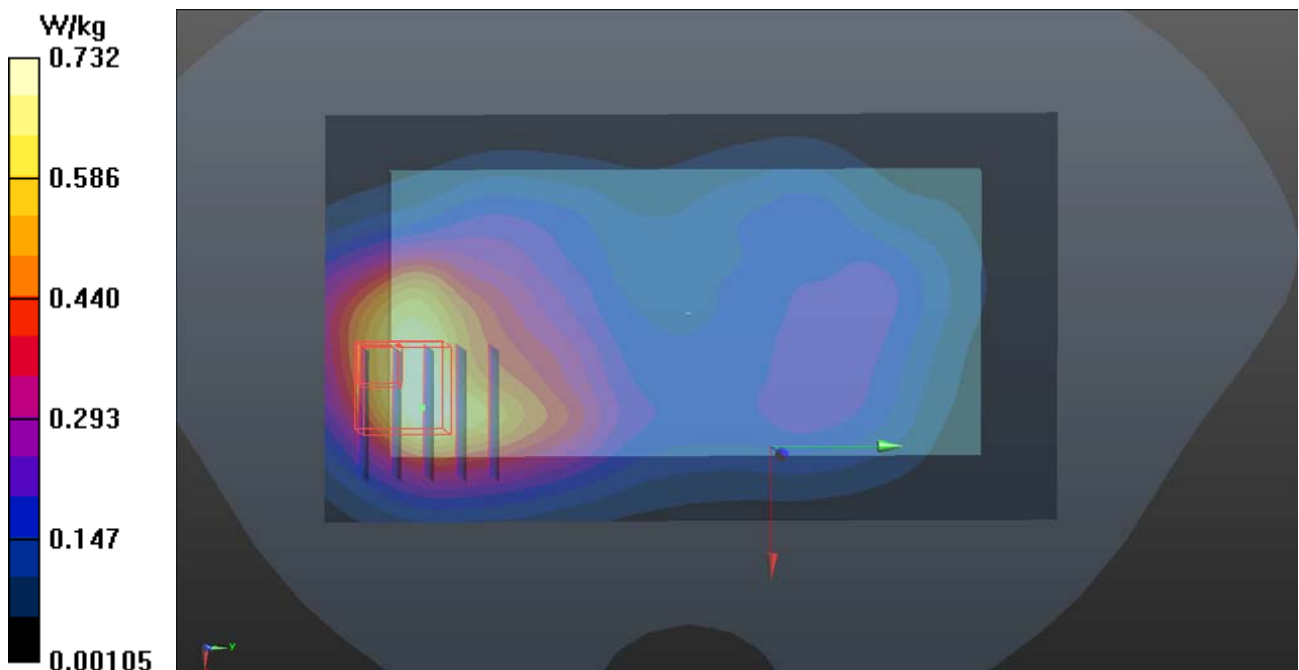
Communication System: LTE; Frequency: 1732.5 MHz; Duty Cycle: 1:1  
 Medium: B16T20N1\_0906 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.417$  S/m;  
 $\epsilon_r = 52.416$ ;  $\rho = 1000$  kg/m<sup>3</sup>  
 Ambient Temperature : 23.4 °C ; Liquid Temperature : 22.8 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.04, 8.04, 8.04); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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) = 0.732 W/kg

- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm  
 Reference Value = 10.00 V/m; Power Drift = 0.09 dB  
 Peak SAR (extrapolated) = 1.03 W/kg  
**SAR(1 g) = 0.593 W/kg; SAR(10 g) = 0.311 W/kg**  
 Maximum value of SAR (measured) = 0.879 W/kg



### P24 LTE 5\_QPSK10M\_Rear Face\_1cm\_Ch20525\_Ant0\_1RB\_OS0

**DUT: 150821C08**

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

Medium: B07T10N2\_0906 Medium parameters used:  $f = 836.5 \text{ MHz}$ ;  $\sigma = 1.019 \text{ S/m}$ ;  $\epsilon_r = 54.368$ ;  $\rho = 1000 \text{ kg/m}^3$

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(9.83, 9.83, 9.83); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- 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:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$

Maximum value of SAR (interpolated) = 0.654 W/kg

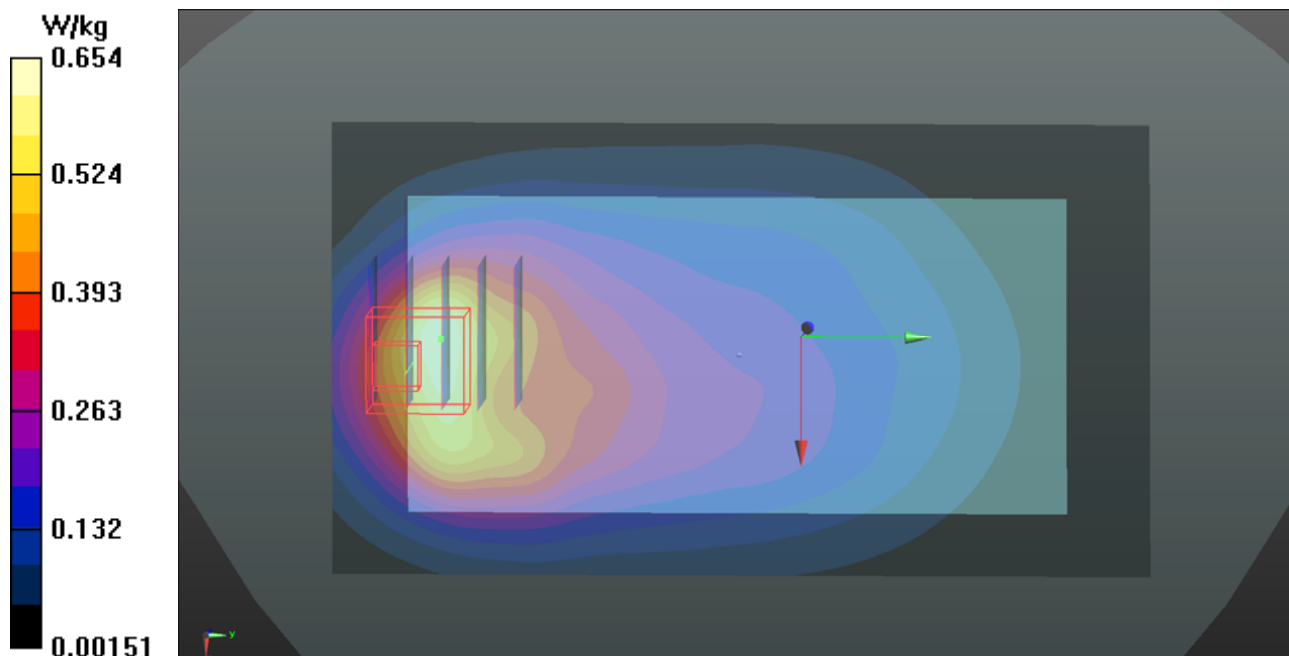
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$

Reference Value = 14.66 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.784 W/kg

**SAR(1 g) = 0.419 W/kg; SAR(10 g) = 0.225 W/kg**

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



### P25 LTE 7\_QPSK20M\_Rear Face\_1cm\_Ch20850\_Ant0\_1RB\_OS50

**DUT: 150821C08**

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

Medium: B19T27N3\_0906 Medium parameters used:  $f = 2510$  MHz;  $\sigma = 2.065$  S/m;  $\epsilon_r = 51.169$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(6.77, 6.77, 6.77); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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 (101x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.851 W/kg

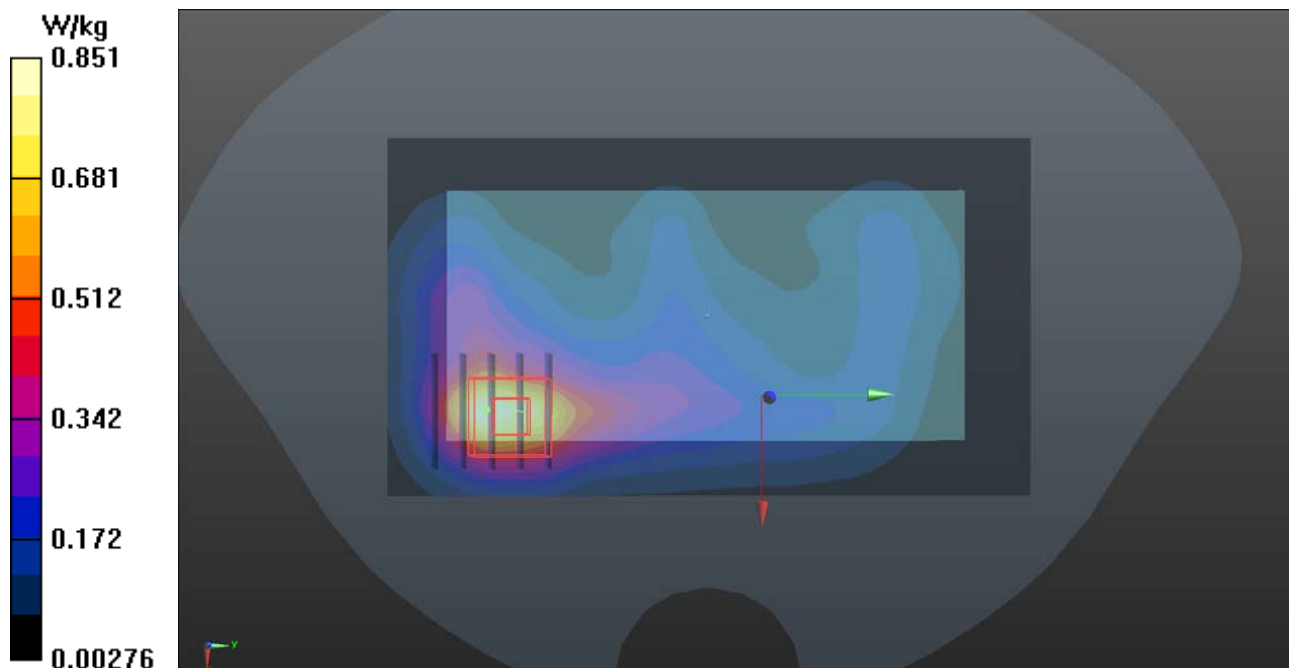
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.289 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 1.06 W/kg

**SAR(1 g) = 0.531 W/kg; SAR(10 g) = 0.271 W/kg**

Maximum value of SAR (measured) = 0.821 W/kg





## P26 LTE 12\_QPSK10M\_Rear Face\_1cm\_Ch23095\_Ant0\_1RB\_OS24

### DUT: 150821C08

Communication System: LTE; Frequency: 707.5 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_0906 Medium parameters used:  $f = 707.5$  MHz;  $\sigma = 0.921$  S/m;  $\epsilon_r = 55.417$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 22.7 °C

#### DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(9.82, 9.82, 9.82); Calibrated: 2015/03/26;
- Sensor-Surface: 1.4mm (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) = 0.566 W/kg

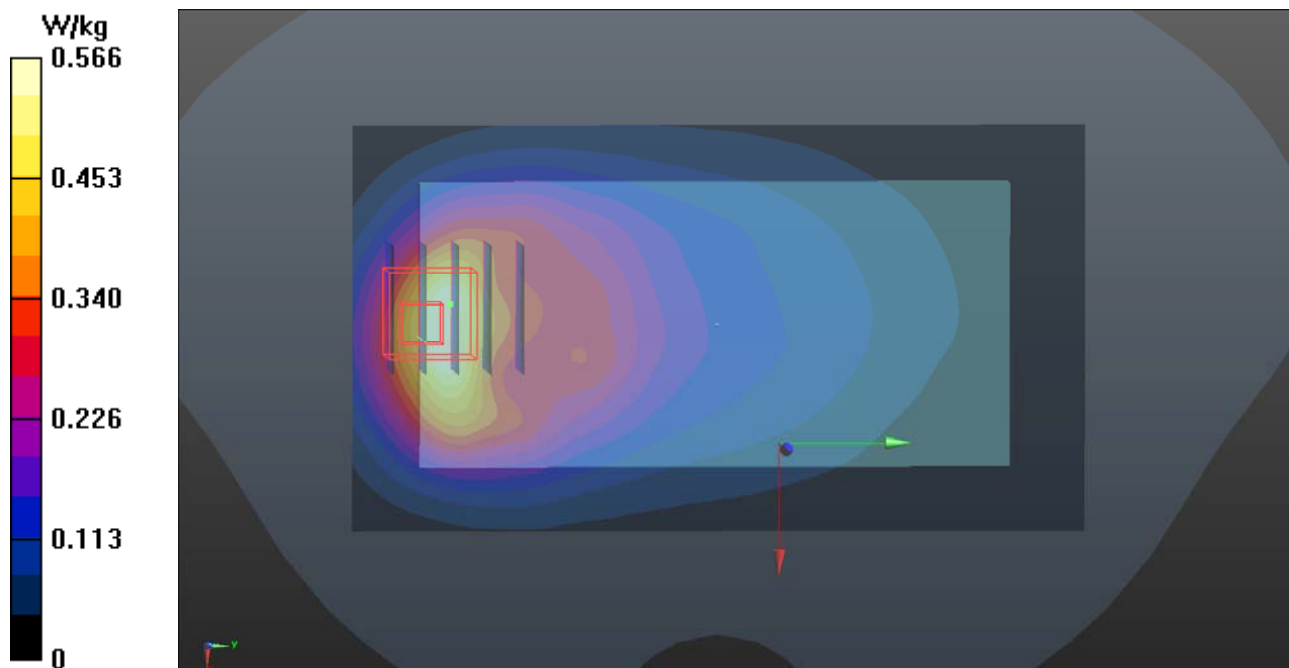
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.55 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 0.659 W/kg

**SAR(1 g) = 0.389 W/kg; SAR(10 g) = 0.185 W/kg**

Maximum value of SAR (measured) = 0.521 W/kg



## P29 2.4G WLAN\_802.11b\_Front Face\_Ch6

**DUT: 150821C08**

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

Medium: B19T27N3\_0828 Medium parameters used:  $f = 2437$  MHz;  $\sigma = 2.002$  S/m;  $\epsilon_r = 51.088$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.1 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(7.3, 7.3, 7.3); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

- **Area Scan (101x151x1):** Interpolated grid: dx=1.200 mm, dy=1.200 mm

Maximum value of SAR (interpolated) = 0.0963 W/kg

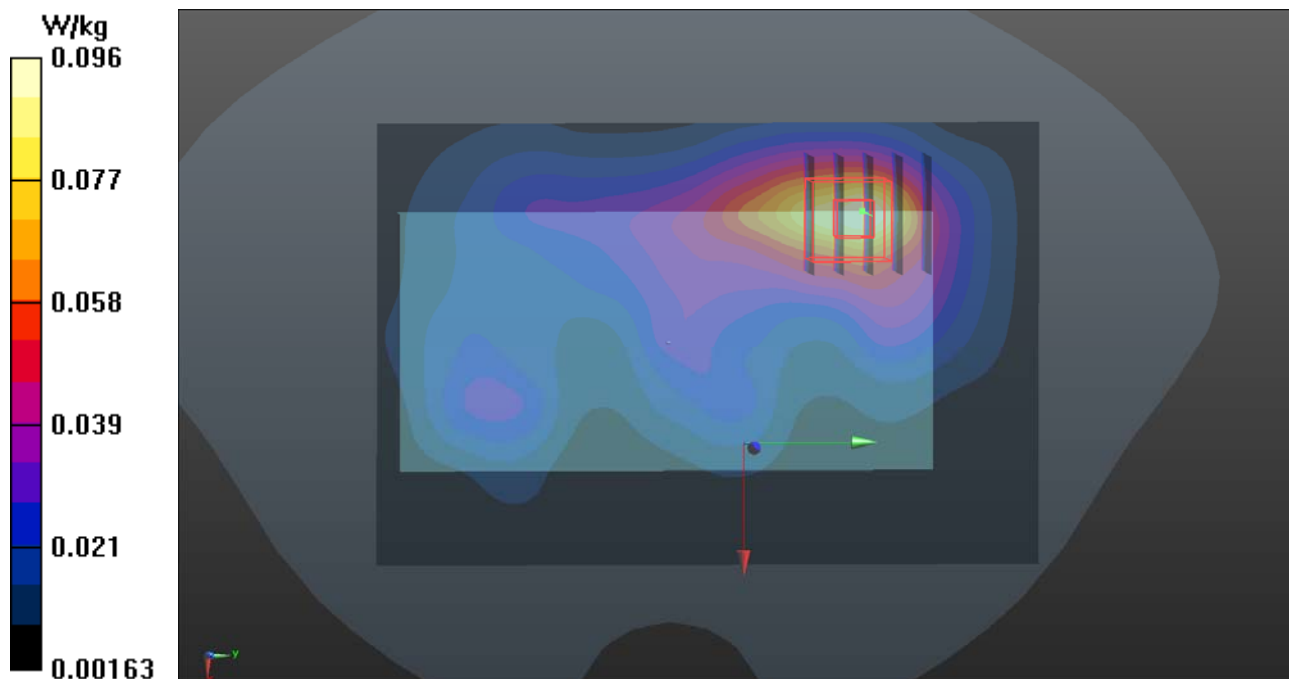
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 3.698 V/m; Power Drift = 0.01 dB

Peak SAR (extrapolated) = 0.118 W/kg

**SAR(1 g) = 0.065 W/kg; SAR(10 g) = 0.034 W/kg**

Maximum value of SAR (measured) = 0.0974 W/kg



### P30 5.3G WLAN\_802.11a\_Front Face\_1cm\_Ch60

**DUT: 150821C08**

Communication System: WLAN\_5G; Frequency: 5300 MHz; Duty Cycle: 1:1.17

Medium: B34T60N3\_0831 Medium parameters used:  $f = 5300$  MHz;  $\sigma = 5.542$  S/m;  $\epsilon_r = 47.565$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.41, 4.41, 4.41); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0376 W/kg

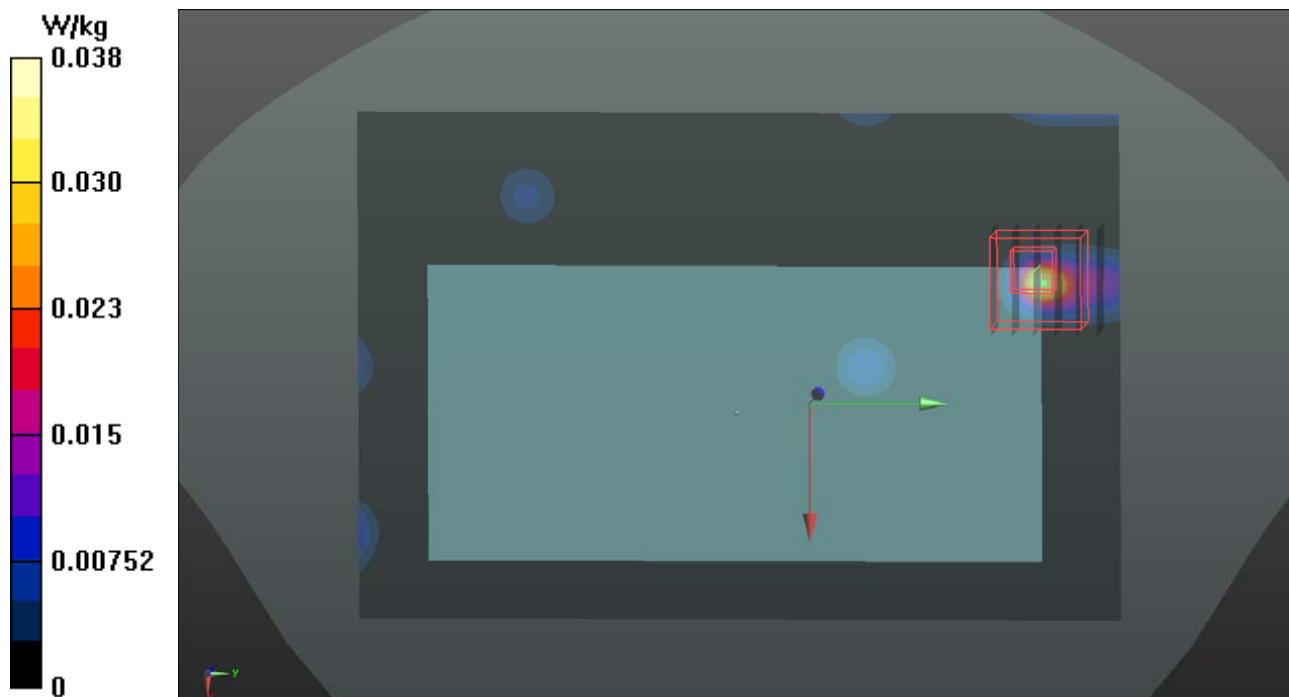
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

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

Peak SAR (extrapolated) = 0.128 W/kg

**SAR(1 g) = 0.00868 W/kg; SAR(10 g) = 0.002 W/kg**

Maximum value of SAR (measured) = 0.0277 W/kg



### P31 5.6G WLAN\_802.11a\_Front Face\_1cm\_Ch116

**DUT: 150821C08**

Communication System: WLAN\_5G; Frequency: 5580 MHz; Duty Cycle: 1:1.17

Medium: B34T60N3\_0831 Medium parameters used:  $f = 5580$  MHz;  $\sigma = 5.929$  S/m;  $\epsilon_r = 46.998$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(3.93, 3.93, 3.93); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0995 W/kg

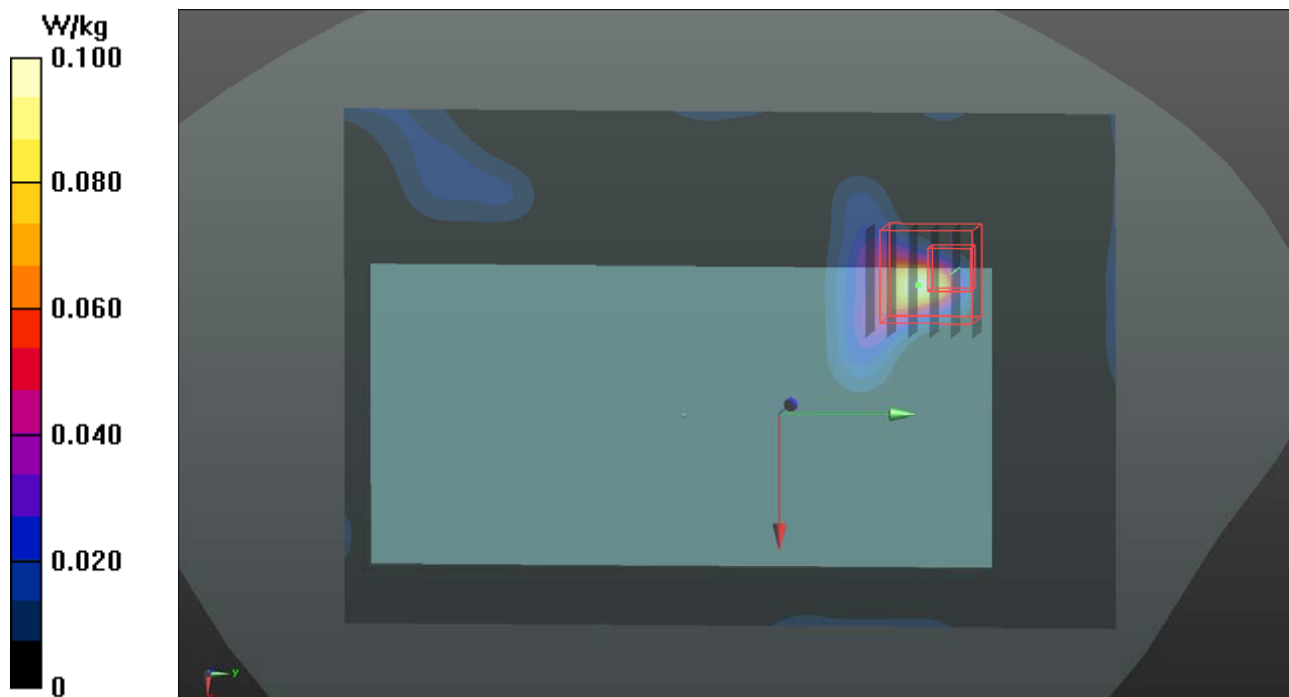
- **Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 0.8590 V/m; Power Drift = -0.08 dB

Peak SAR (extrapolated) = 0.209 W/kg

**SAR(1 g) = 0.026 W/kg; SAR(10 g) = 0.00808 W/kg**

Maximum value of SAR (measured) = 0.0875 W/kg



### P32 5.8G WLAN\_802.11a\_Front Face\_1cm\_Ch157

**DUT: 150821C08**

Communication System: WLAN\_5G; Frequency: 5785 MHz; Duty Cycle: 1:1.17

Medium: B34T60N3\_0831 Medium parameters used:  $f = 5785$  MHz;  $\sigma = 6.217$  S/m;  $\epsilon_r = 46.612$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.6 °C ; Liquid Temperature : 23.4 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3864; ConvF(4.2, 4.2, 4.2); Calibrated: 2015/07/23;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn915; Calibrated: 2015/06/11
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7331)

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

Maximum value of SAR (interpolated) = 0.0470 W/kg

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

Reference Value = 1.083 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.236 W/kg

**SAR(1 g) = 0.017 W/kg; SAR(10 g) = 0.0045 W/kg**

Maximum value of SAR (measured) = 0.0467 W/kg

