

### 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\_GPRS8\_Right Cheek\_Ch189\_Ant1\_Reduction\_w\_o****DUT: 171102C30**

Communication System: GPRS8; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: H07T10N2\_1124 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 42.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.91, 9.91, 9.91); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1654; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.28 W/kg

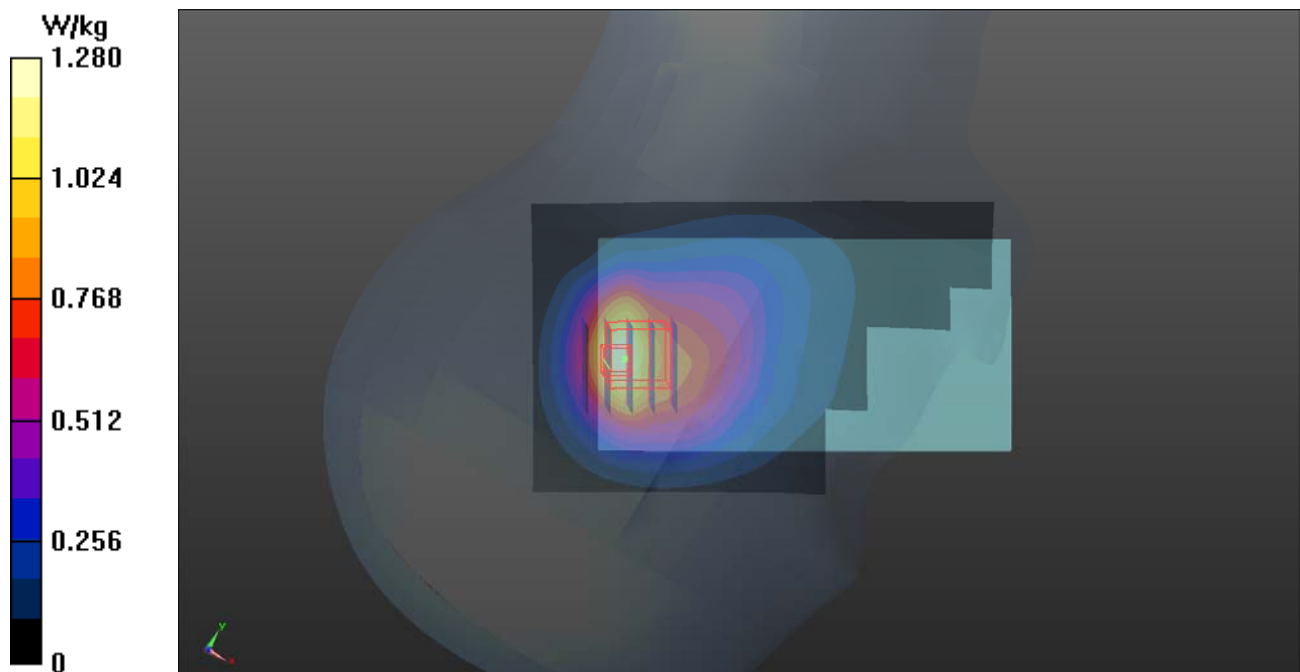
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 37.03 V/m; Power Drift = 0.07 dB

Peak SAR (extrapolated) = 1.66 W/kg

**SAR(1 g) = 0.845 W/kg; SAR(10 g) = 0.547 W/kg**

Maximum value of SAR (measured) = 1.29 W/kg



**P02 GSM1900\_GPRS8\_Left Cheek\_Ch661\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

Communication System: GPRS8; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: H16T20N1\_1118 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 38.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.59, 8.59, 8.59); Calibrated: 2017/03/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2017/05/22
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.0893 W/kg

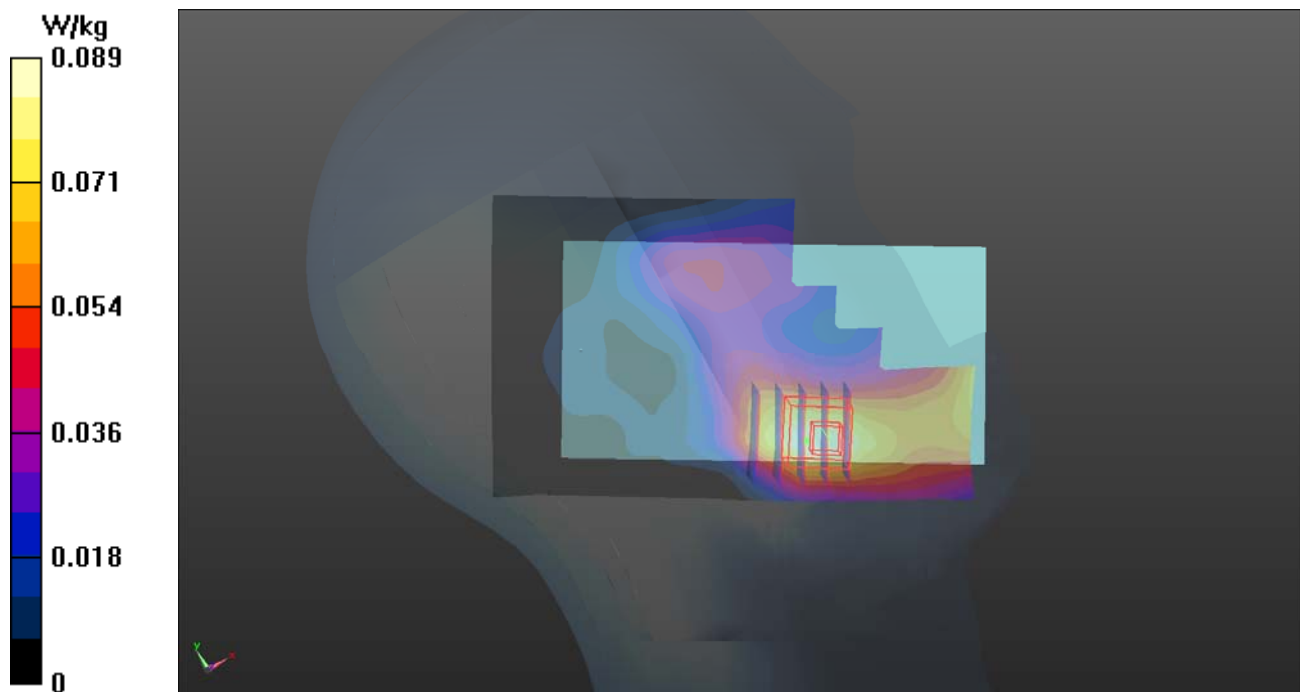
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.591 V/m; Power Drift = -0.05 dB

Peak SAR (extrapolated) = 0.109 W/kg

**SAR(1 g) = 0.074 W/kg; SAR(10 g) = 0.049 W/kg**

Maximum value of SAR (measured) = 0.0993 W/kg



**P03 WCDMA II\_RMC12.2K\_Right Cheek\_Ch9400\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

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

Medium: H16T20N1\_1118 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 38.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(8.59, 8.59, 8.59); Calibrated: 2017/03/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2017/05/22
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.239 W/kg

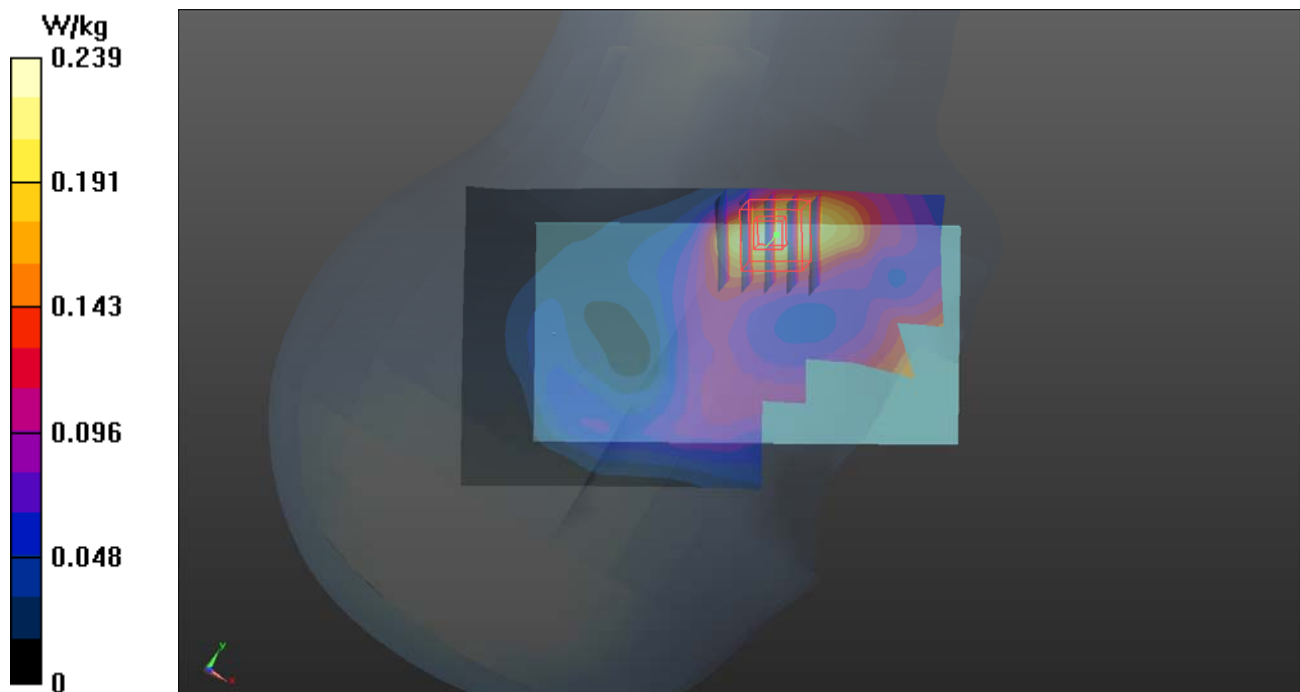
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.62 V/m; Power Drift = -0.11 dB

Peak SAR (extrapolated) = 0.267 W/kg

**SAR(1 g) = 0.176 W/kg; SAR(10 g) = 0.117 W/kg**

Maximum value of SAR (measured) = 0.234 W/kg



**P04 WCDMA IV\_RMC12.2K\_Right Cheek\_Ch1413\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

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

Medium: H16T20N1\_1118 Medium parameters used:  $f = 1733$  MHz;  $\sigma = 1.318$  S/m;  $\epsilon_r = 38.81$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3971; ConvF(8.92, 8.92, 8.92); Calibrated: 2017/03/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2017/05/22
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.208 W/kg

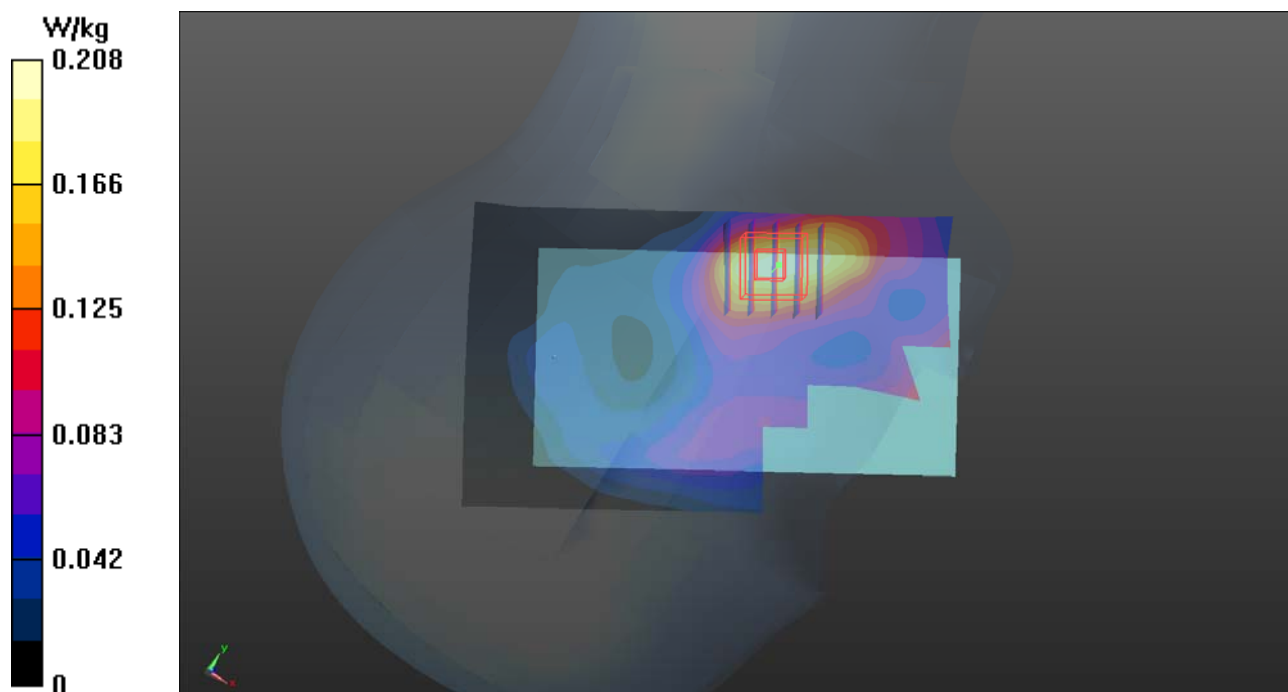
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.03 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 0.235 W/kg

**SAR(1 g) = 0.168 W/kg; SAR(10 g) = 0.116 W/kg**

Maximum value of SAR (measured) = 0.213 W/kg



**P05 WCDMA V\_RMC12.2K\_Left Cheek\_Ch4182\_Ant1\_Reduction\_w\_o****DUT: 171102C30**

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

Medium: H07T10N2\_1124 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 0.939$  S/m;  $\epsilon_r = 42.57$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(9.91, 9.91, 9.91); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.62 W/kg

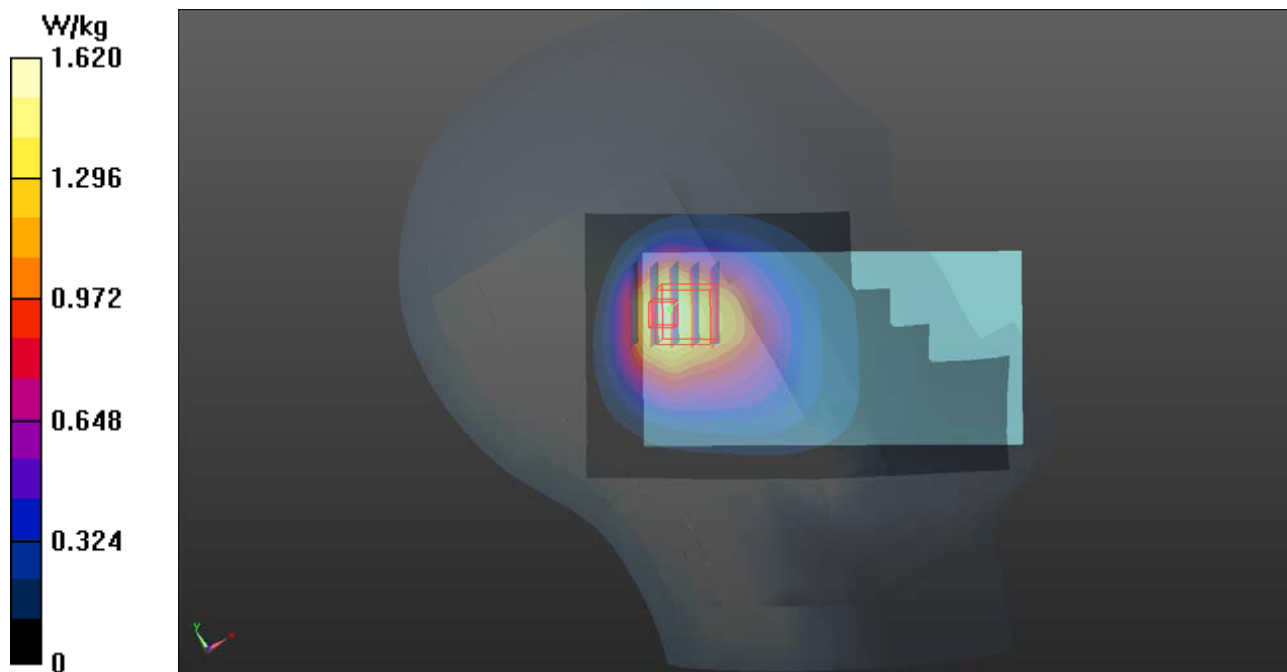
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 40.15 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.06 W/kg

**SAR(1 g) = 1.19 W/kg; SAR(10 g) = 0.819 W/kg**

Maximum value of SAR (measured) = 1.72 W/kg



**P06 LTE 2\_QPSK20M\_Right Cheek\_Ch18900\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: H16T20N1\_1118 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.446$  S/m;  $\epsilon_r = 38.304$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.59, 8.59, 8.59); Calibrated: 2017/03/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2017/05/22
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

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

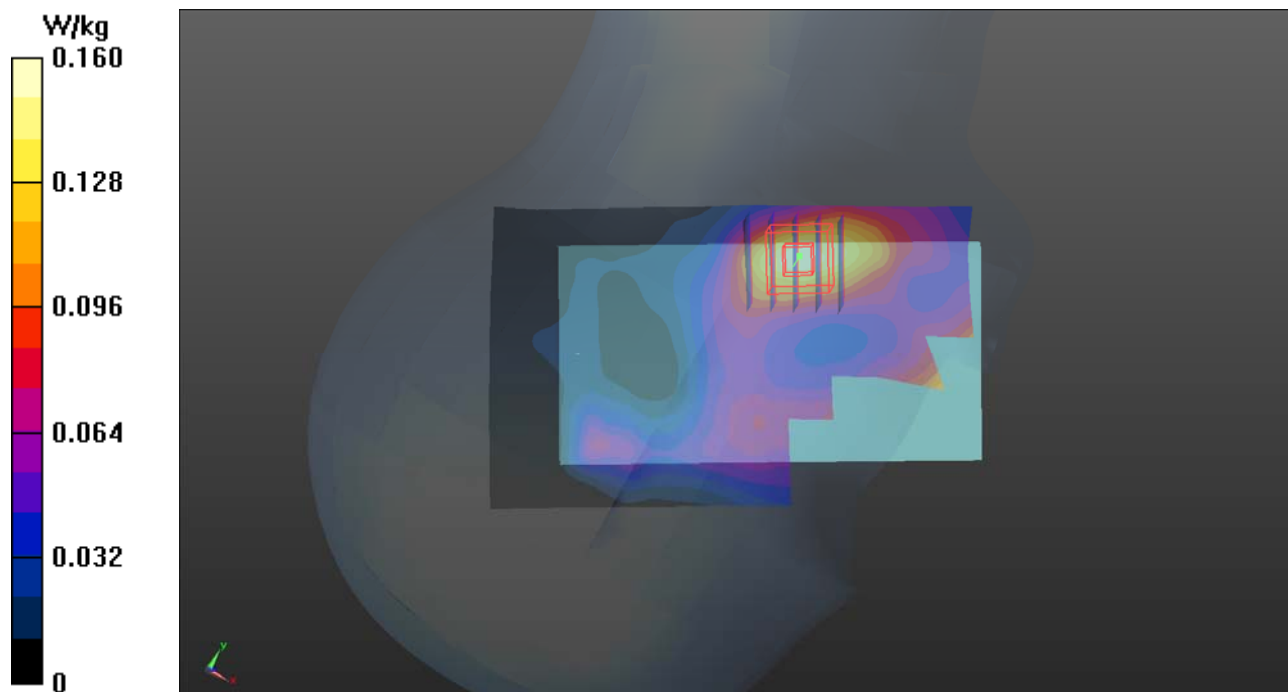
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 9.768 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.179 W/kg

**SAR(1 g) = 0.117 W/kg; SAR(10 g) = 0.077 W/kg**

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



**P07 LTE 4\_QPSK20M\_Right Cheek\_Ch20175\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: H16T20N1\_1118 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.318$  S/m;  $\epsilon_r = 38.812$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN3971; ConvF(8.92, 8.92, 8.92); Calibrated: 2017/03/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn861; Calibrated: 2017/05/22
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.153 W/kg

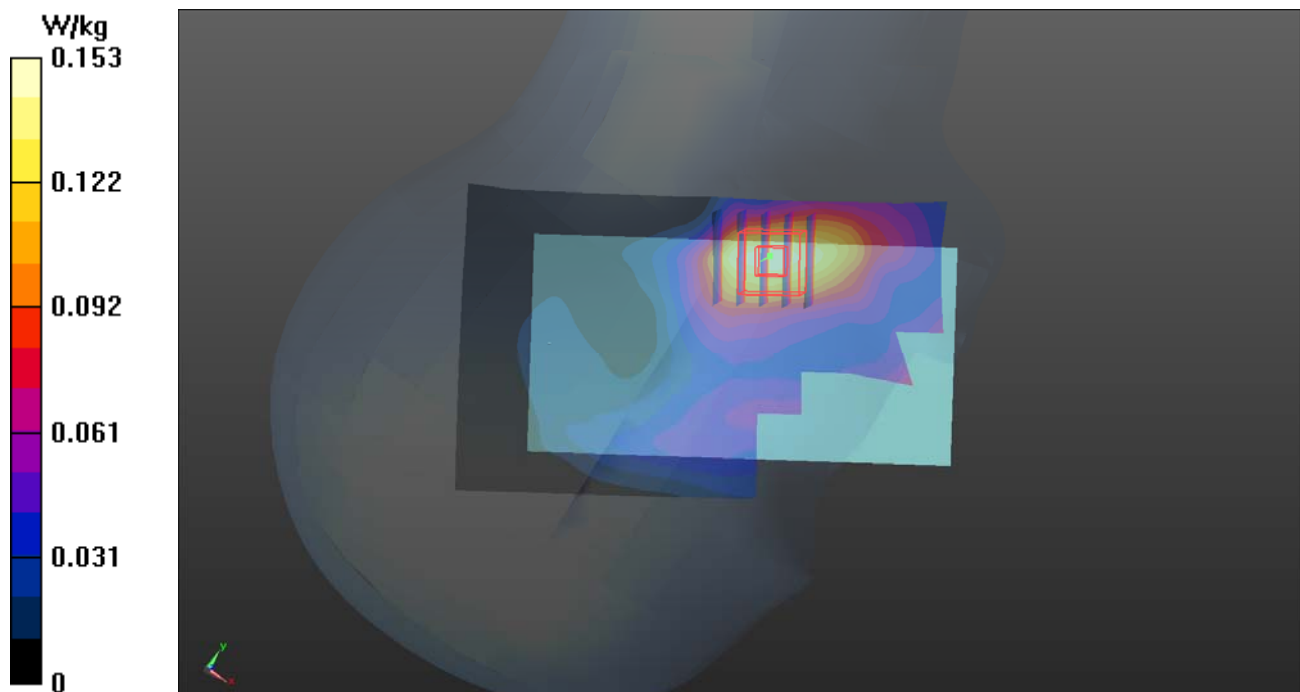
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 10.11 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 0.168 W/kg

**SAR(1 g) = 0.116 W/kg; SAR(10 g) = 0.079 W/kg**

Maximum value of SAR (measured) = 0.151 W/kg





**P08 LTE 5\_QPSK10M\_Left Cheek\_Ch20600\_Ant1\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: H07T10N2\_1121 Medium parameters used:  $f = 844$  MHz;  $\sigma = 0.928$  S/m;  $\epsilon_r = 41.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.73, 9.73, 9.73); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.51 W/kg

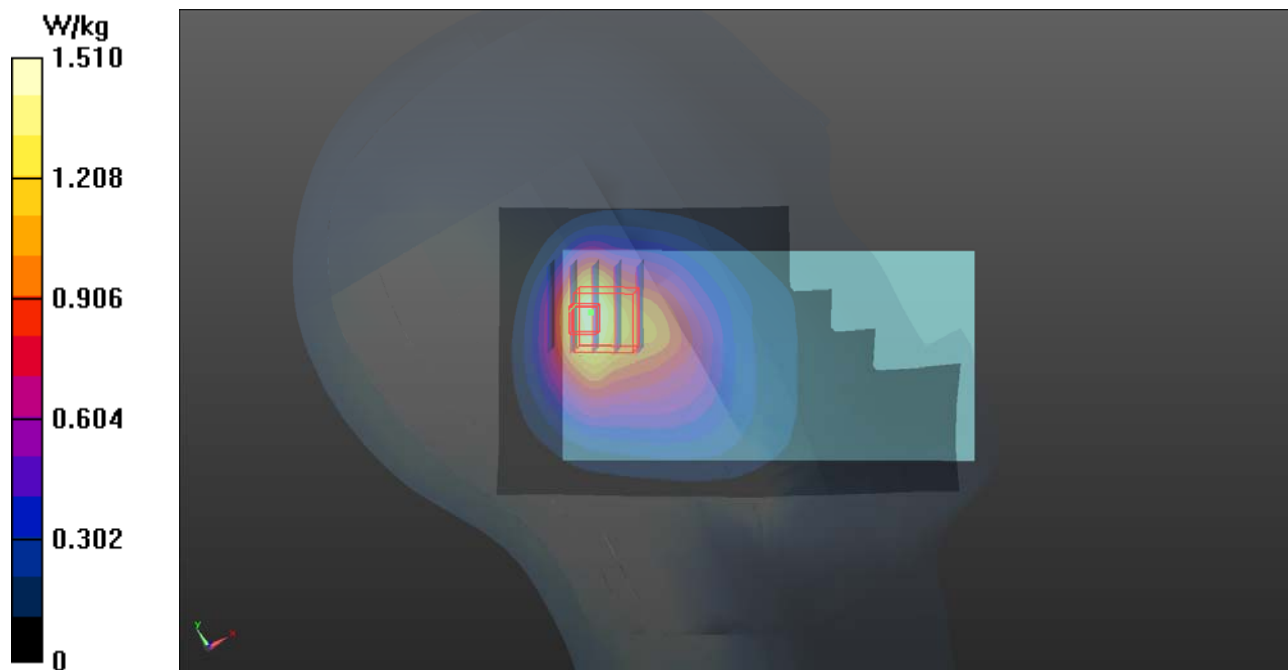
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 39.42 V/m; Power Drift = 0.00 dB

Peak SAR (extrapolated) = 2.08 W/kg

**SAR(1 g) = 1.04 W/kg; SAR(10 g) = 0.670 W/kg**

Maximum value of SAR (measured) = 1.59 W/kg



**P09 LTE 7\_QPSK20M\_Right Cheek\_Ch21100\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: H19T27N1\_1121 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 1.942$  S/m;  $\epsilon_r = 38.422$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.27, 7.27, 7.27); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.305 W/kg

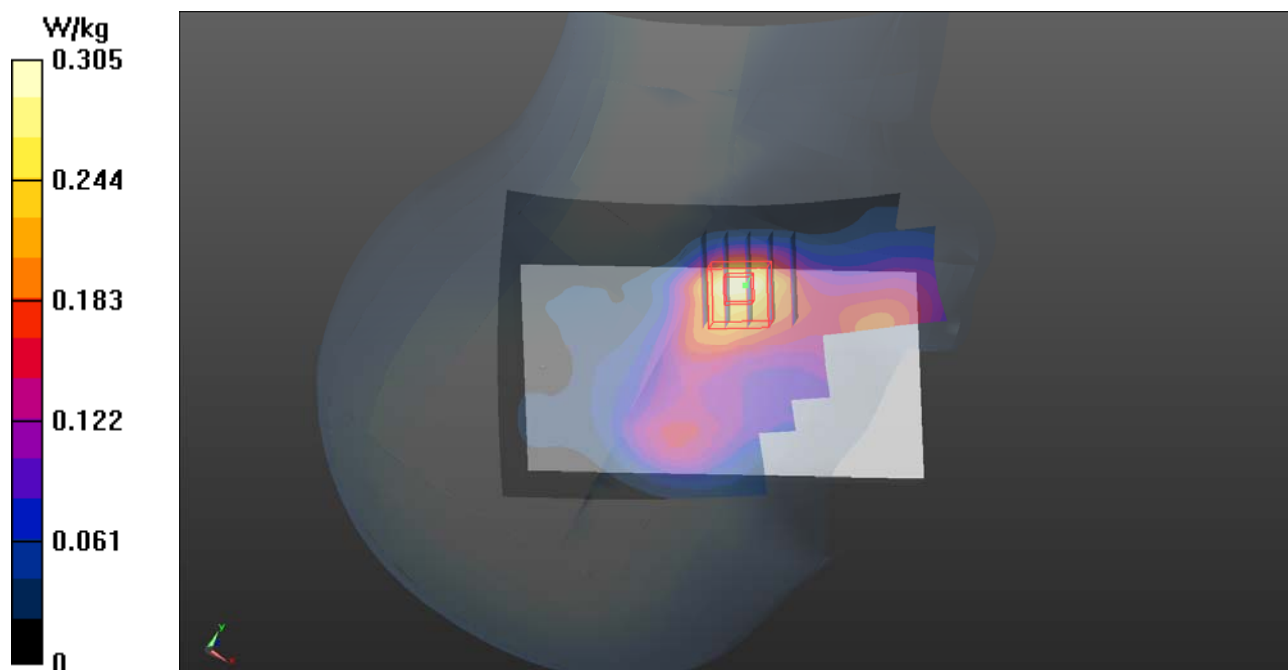
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 12.31 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 0.326 W/kg

**SAR(1 g) = 0.193 W/kg; SAR(10 g) = 0.112 W/kg**

Maximum value of SAR (measured) = 0.274 W/kg



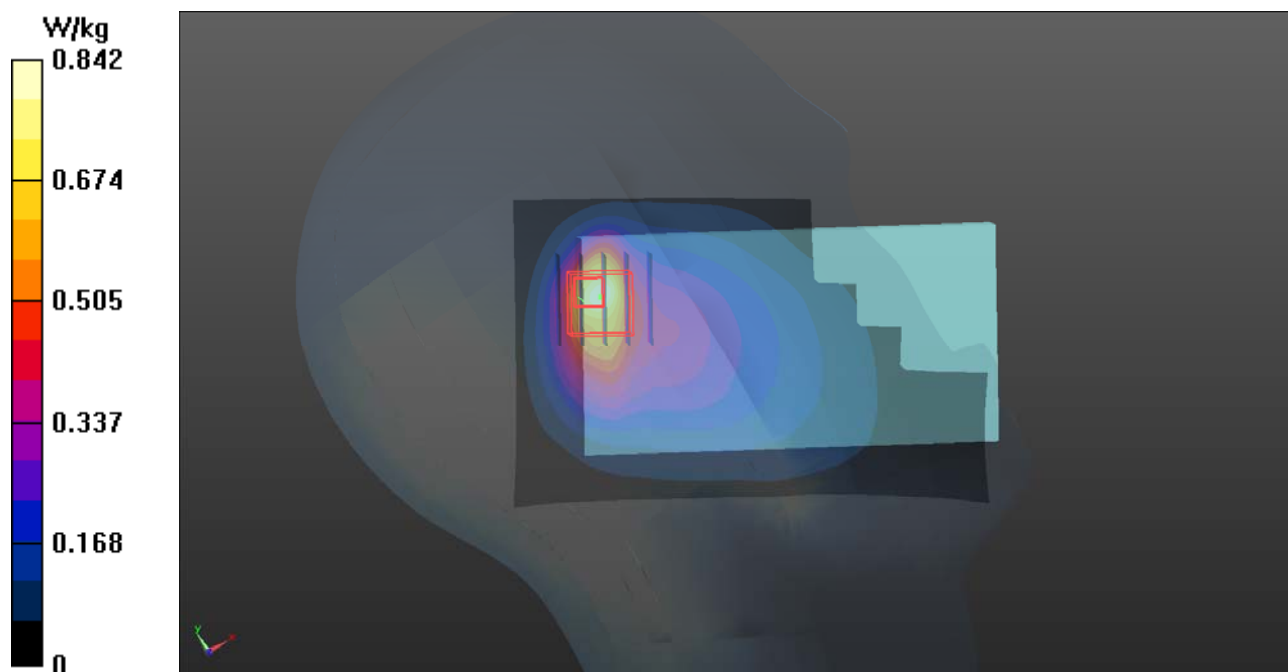
**P10 LTE 12\_QPSK10M\_Left Tilted\_Ch23130\_Ant1\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_1121 Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.859 \text{ S/m}$ ;  $\epsilon_r = 41.807$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.6 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.3 \text{ }^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.842 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $30.87 \text{ V/m}$ ; Power Drift =  $-0.04 \text{ dB}$ Peak SAR (extrapolated) =  $2.04 \text{ W/kg}$ **SAR(1 g) =  $0.636 \text{ W/kg}$ ; SAR(10 g) =  $0.318 \text{ W/kg}$** Maximum value of SAR (measured) =  $1.23 \text{ W/kg}$ 

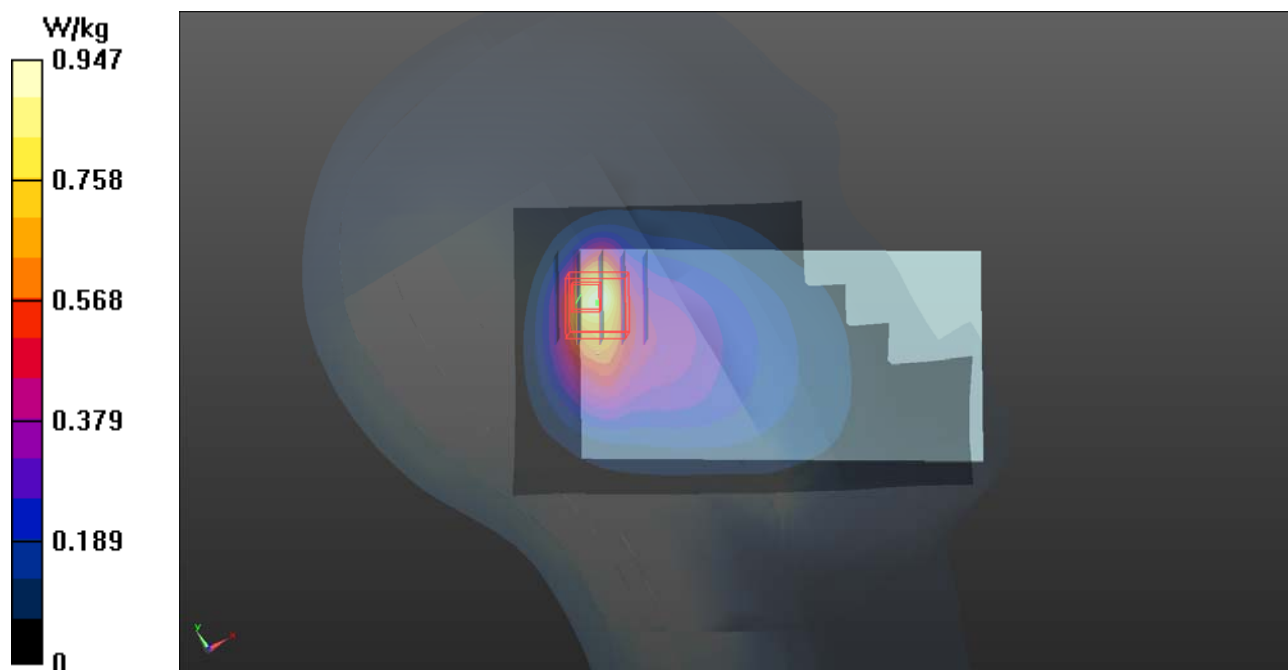
**P11 LTE 17\_QPSK10M\_Left Tilted\_Ch23780\_Ant1\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: H06T09N1\_1121 Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.857 \text{ S/m}$ ;  $\epsilon_r = 41.832$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8^\circ\text{C}$  ; Liquid Temperature :  $23.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.9, 9.9, 9.9); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1653; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (71x121x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.947 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $32.46 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$ Peak SAR (extrapolated) =  $2.24 \text{ W/kg}$ **SAR(1 g) =  $0.703 \text{ W/kg}$ ; SAR(10 g) =  $0.353 \text{ W/kg}$** Maximum value of SAR (measured) =  $1.34 \text{ W/kg}$ 

**P12 WLAN2.4G\_802.11b\_Right Cheek\_Ch11****DUT: 171102C30**

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: H19T27N2\_1126 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 1.884$  S/m;  $\epsilon_r = 37.913$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(7.58, 7.58, 7.58); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

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

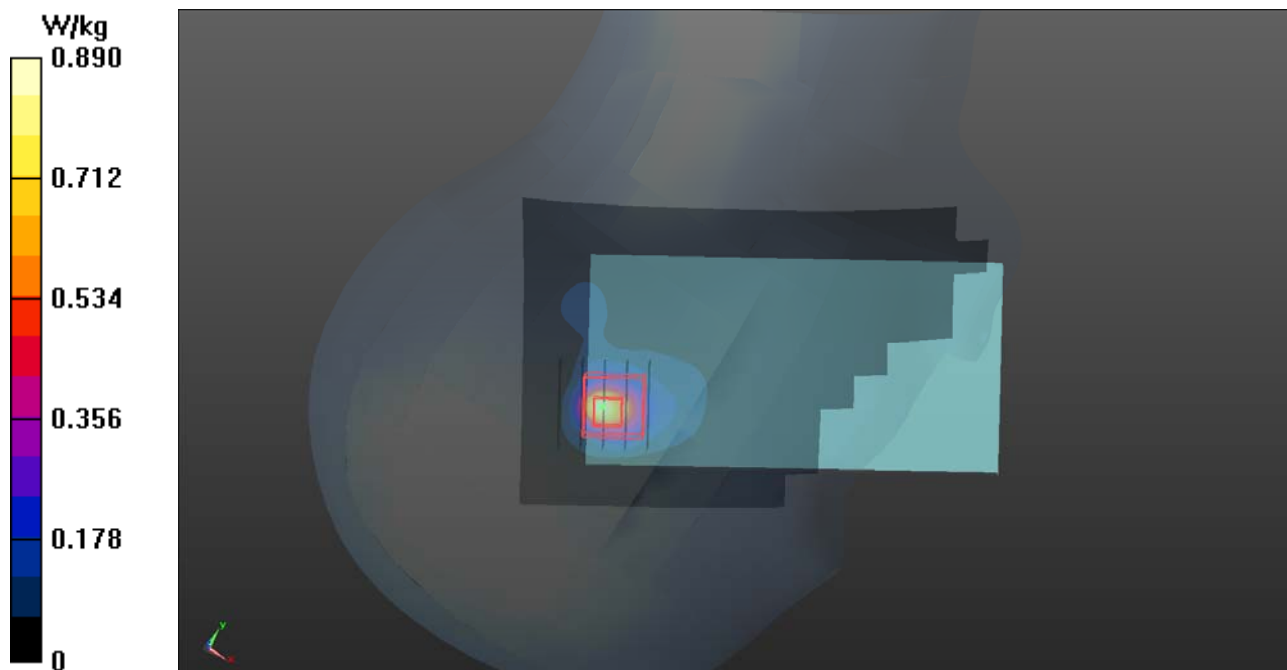
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.42 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.34 W/kg

**SAR(1 g) = 0.491 W/kg; SAR(10 g) = 0.179 W/kg**

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



**P13 WLAN5G\_802.11ac VH80\_Right Cheek\_Ch58****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: H34T60N2\_1126 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 4.878$  S/m;  $\epsilon_r = 35.626$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(5.6, 5.6, 5.6); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.416 W/kg

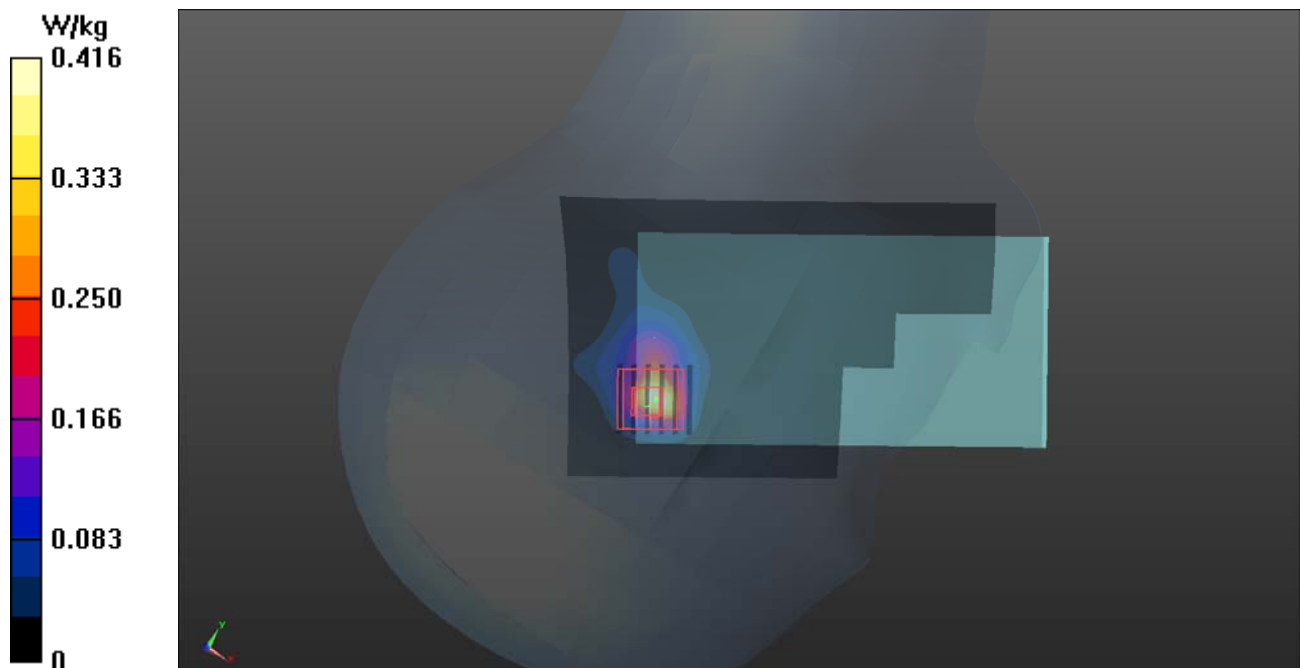
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.929 V/m; Power Drift = 0.15 dB

Peak SAR (extrapolated) = 5.14 W/kg

**SAR(1 g) = 0.794 W/kg; SAR(10 g) = 0.152 W/kg**

Maximum value of SAR (measured) = 2.44 W/kg



**P14 WLAN5G\_802.11ac VH80\_Right Cheek\_Ch106****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium: H34T60N2\_1126 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.105$  S/m;  $\epsilon_r = 35.253$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(4.9, 4.9, 4.9); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.186 W/kg

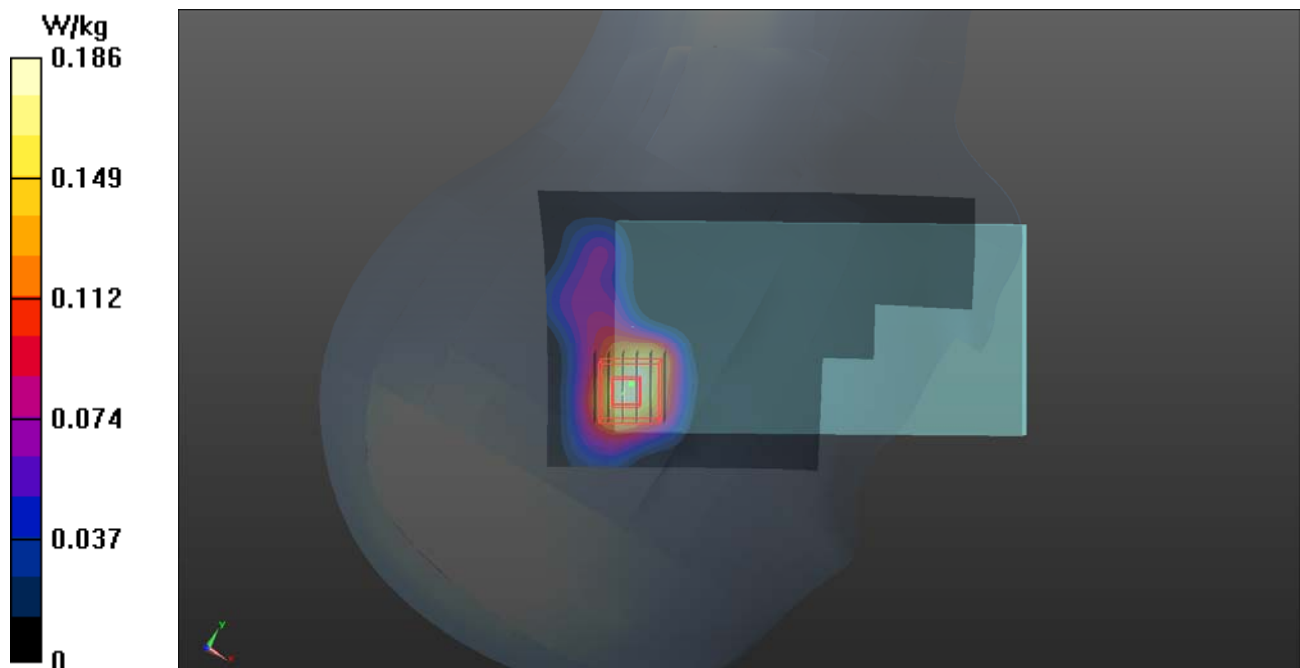
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.950 V/m; Power Drift = -0.17 dB

Peak SAR (extrapolated) = 4.10 W/kg

**SAR(1 g) = 0.702 W/kg; SAR(10 g) = 0.143 W/kg**

Maximum value of SAR (measured) = 2.41 W/kg



**P15 WLAN5G\_802.11ac VH80\_Right Cheek\_Ch155****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: H34T60N2\_1126 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 5.339$  S/m;  $\epsilon_r = 34.891$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(4.94, 4.94, 4.94); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.367 W/kg

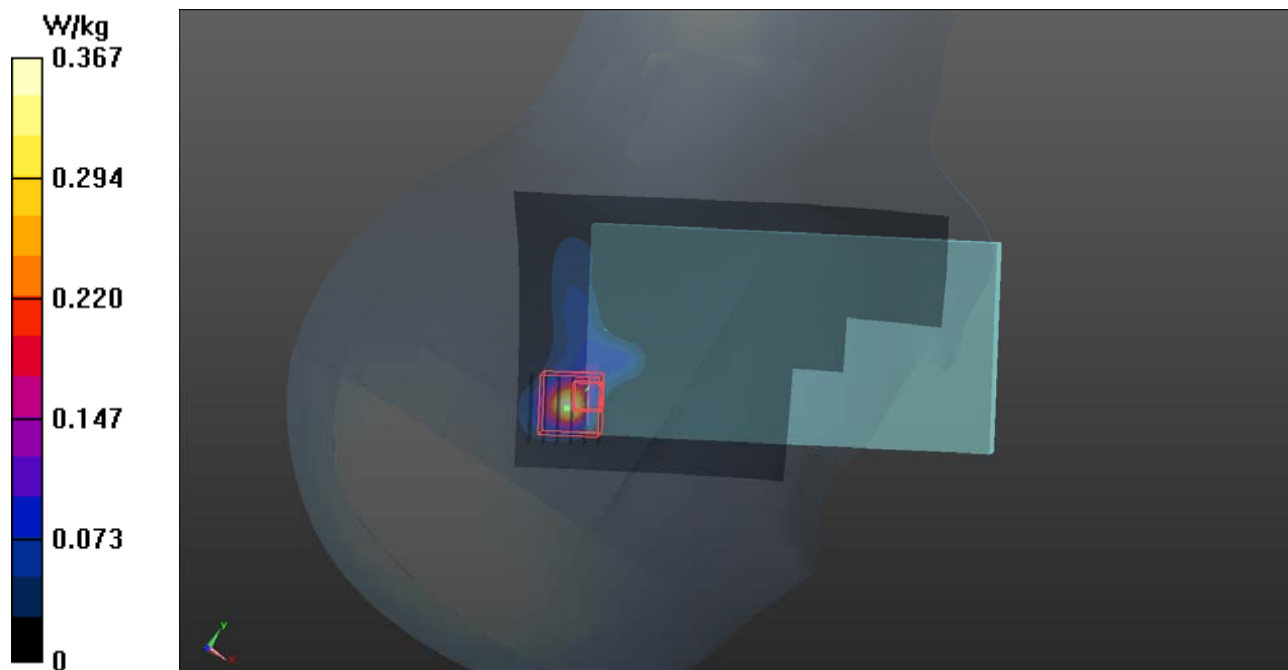
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 9.764 V/m; Power Drift = -0.07 dB

Peak SAR (extrapolated) = 3.59 W/kg

**SAR(1 g) = 0.555 W/kg; SAR(10 g) = 0.097 W/kg**

Maximum value of SAR (measured) = 1.62 W/kg





**P16 GSM850\_GPRS8\_Front Face\_1.5cm\_Ch189\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

Communication System: GPRS8; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: B07T10N1\_1118 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 1.018$  S/m;  $\epsilon_r = 57.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.306 W/kg

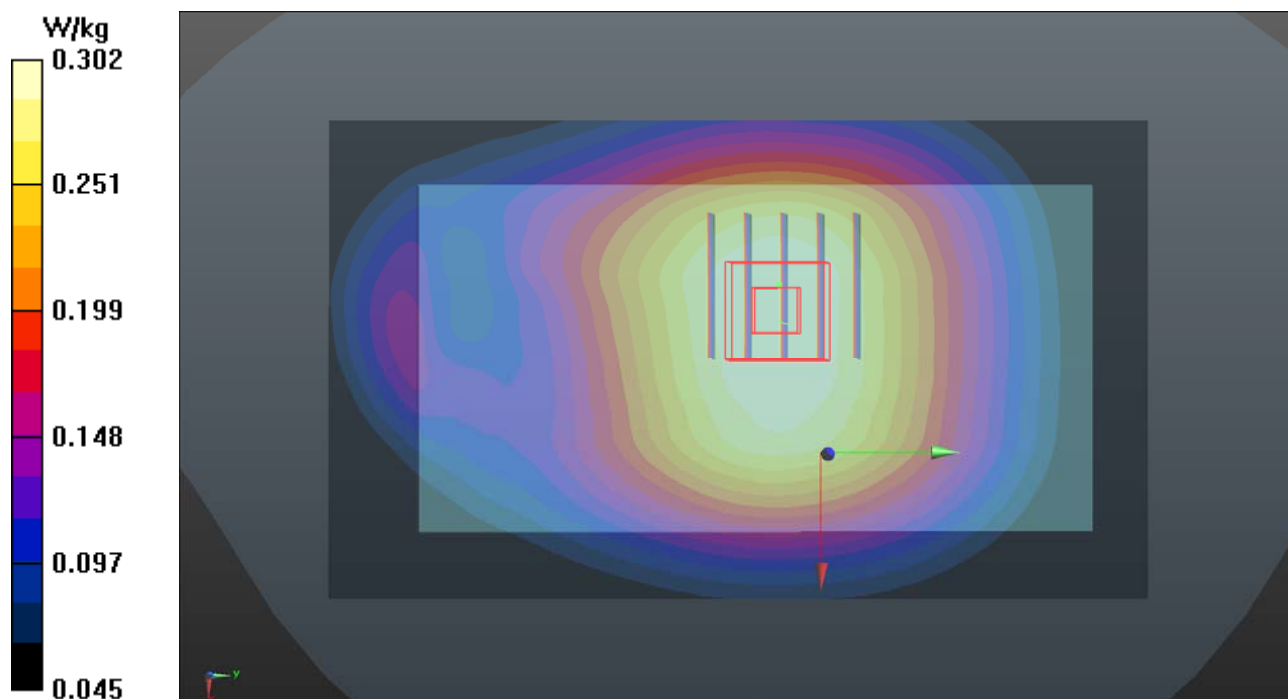
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 17.59 V/m; Power Drift = -0.10 dB

Peak SAR (extrapolated) = 0.337 W/kg

**SAR(1 g) = 0.244 W/kg; SAR(10 g) = 0.188 W/kg**

Maximum value of SAR (measured) = 0.302 W/kg



**P17 GSM1900\_GPRS8\_Front Face\_1.5cm\_Ch661\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

Communication System: GPRS8; Frequency: 1880 MHz; Duty Cycle: 1:8.3

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 51.652$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(7.62, 7.62, 7.62); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.721 W/kg

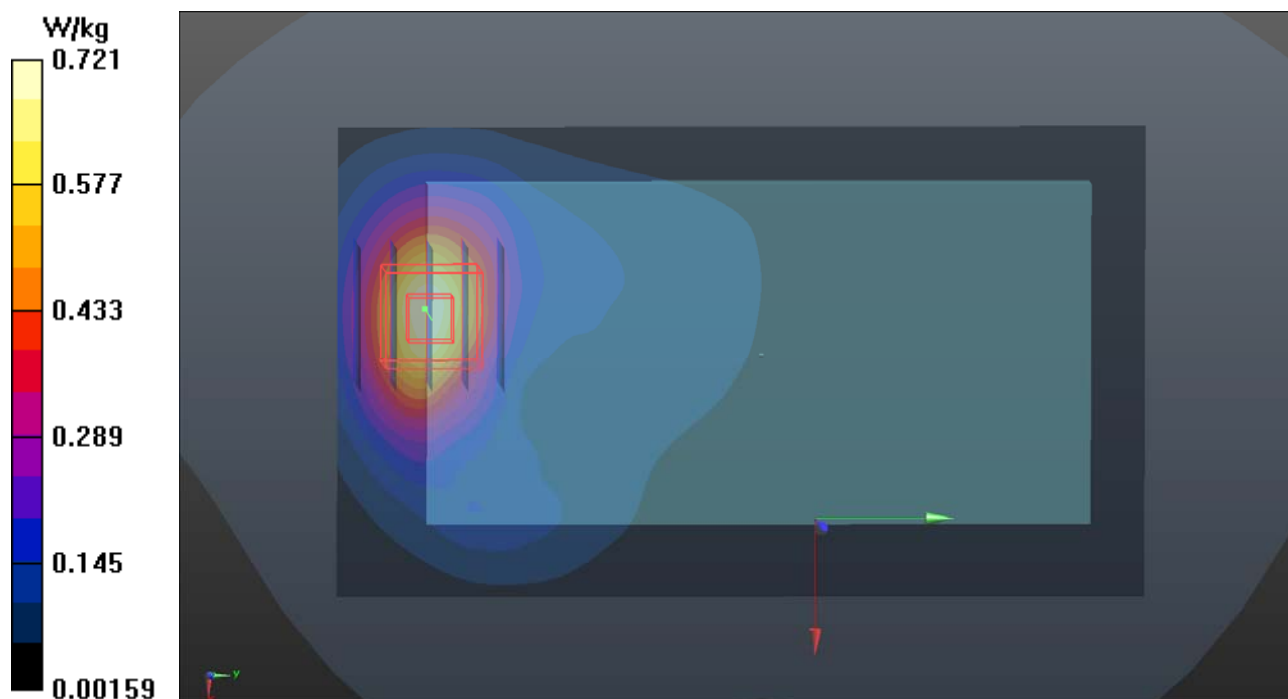
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 20.71 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 0.875 W/kg

**SAR(1 g) = 0.518 W/kg; SAR(10 g) = 0.298 W/kg**

Maximum value of SAR (measured) = 0.740 W/kg



**P18 WCDMA II\_RMC12.2K\_Front Face\_1.5cm\_Ch9538\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

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

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.591$  S/m;  $\epsilon_r = 51.587$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(7.62, 7.62, 7.62); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.69 W/kg

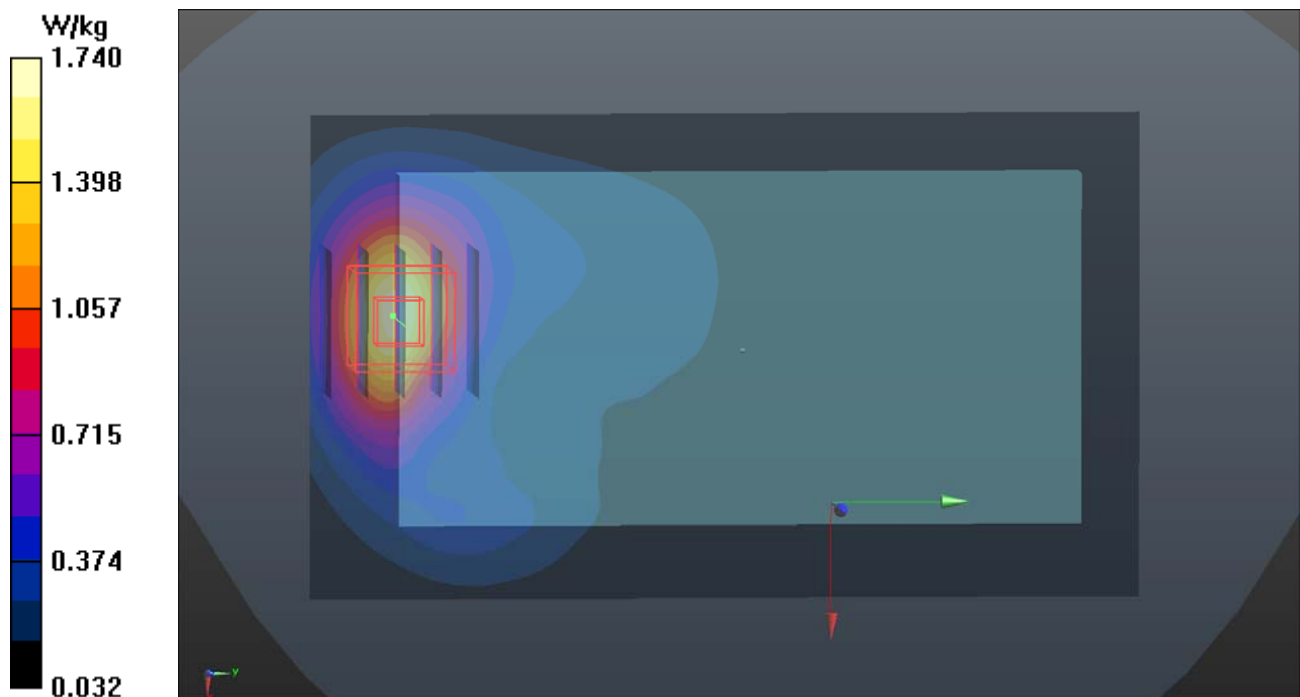
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.80 V/m; Power Drift = 0.05 dB

Peak SAR (extrapolated) = 2.04 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.694 W/kg**

Maximum value of SAR (measured) = 1.74 W/kg



**P19 WCDMA IV\_RMC12.2K\_Front Face\_1.5cm\_Ch1312\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.397$  S/m;  $\epsilon_r = 52.149$ ;  $\rho$

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

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.5 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.52 W/kg

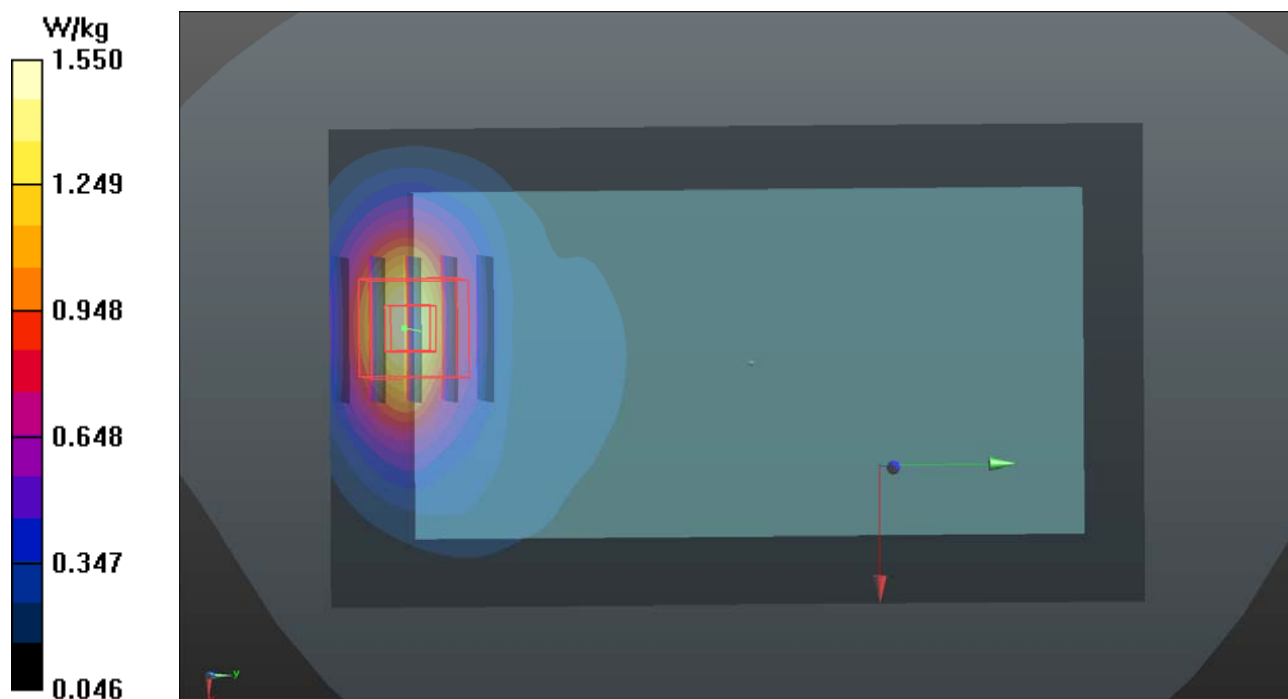
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8$ mm,  $dy=8$ mm,  $dz=5$ mm

Reference Value = 33.81 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 1.80 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.646 W/kg**

Maximum value of SAR (measured) = 1.55 W/kg



**P20 WCDMA V\_RMC12.2K\_Front Face\_1.5cm\_Ch4182\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

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

Medium: B07T10N1\_1120 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 1.02$  S/m;  $\epsilon_r = 54.598$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.364 W/kg

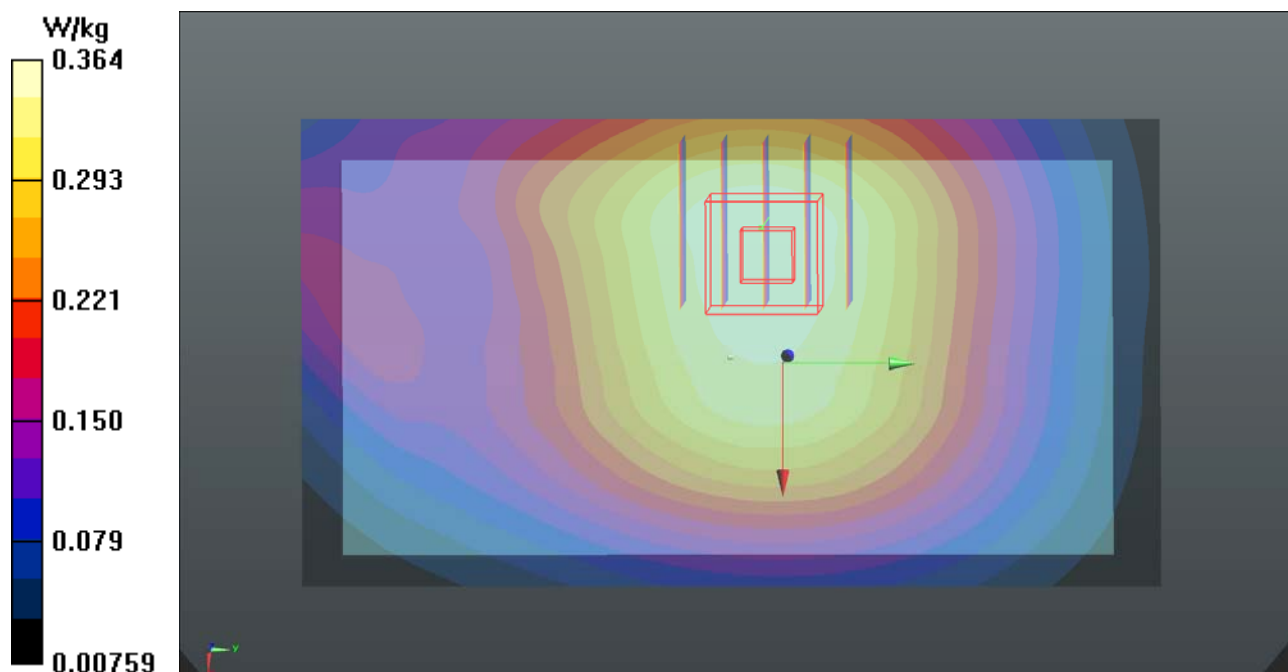
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 19.33 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.400 W/kg

**SAR(1 g) = 0.292 W/kg; SAR(10 g) = 0.225 W/kg**

Maximum value of SAR (measured) = 0.358 W/kg



**P21 LTE 2\_QPSK20M\_Front Face\_1.5cm\_Ch18900\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1880$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 51.652$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.62, 7.62, 7.62); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

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

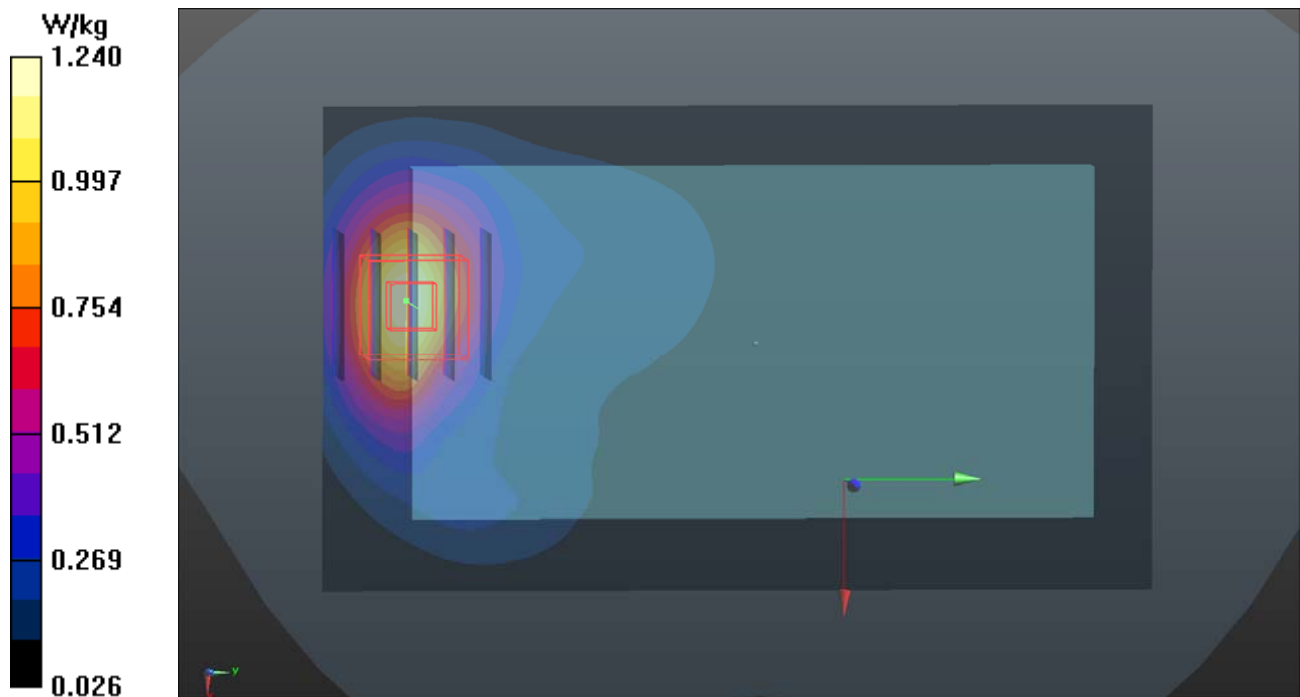
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 28.08 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.47 W/kg

**SAR(1 g) = 0.872 W/kg; SAR(10 g) = 0.504 W/kg**

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



**P22 LTE 4\_QPSK20M\_Front Face\_1.5cm\_Ch20175\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1732.5$  MHz;  $\sigma = 1.416$  S/m;  $\epsilon_r = 52.079$ ;  $\rho$  $= 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

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

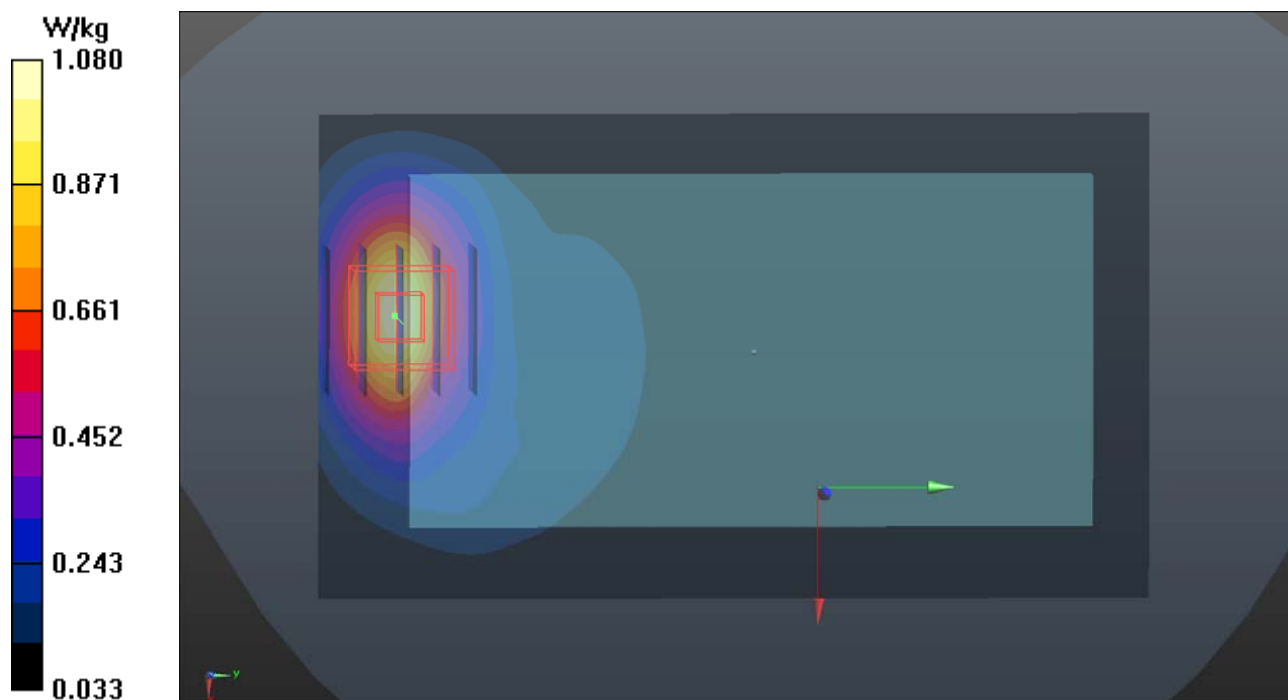
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 27.98 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 1.26 W/kg

**SAR(1 g) = 0.776 W/kg; SAR(10 g) = 0.455 W/kg**

Maximum value of SAR (measured) = 1.08 W/kg



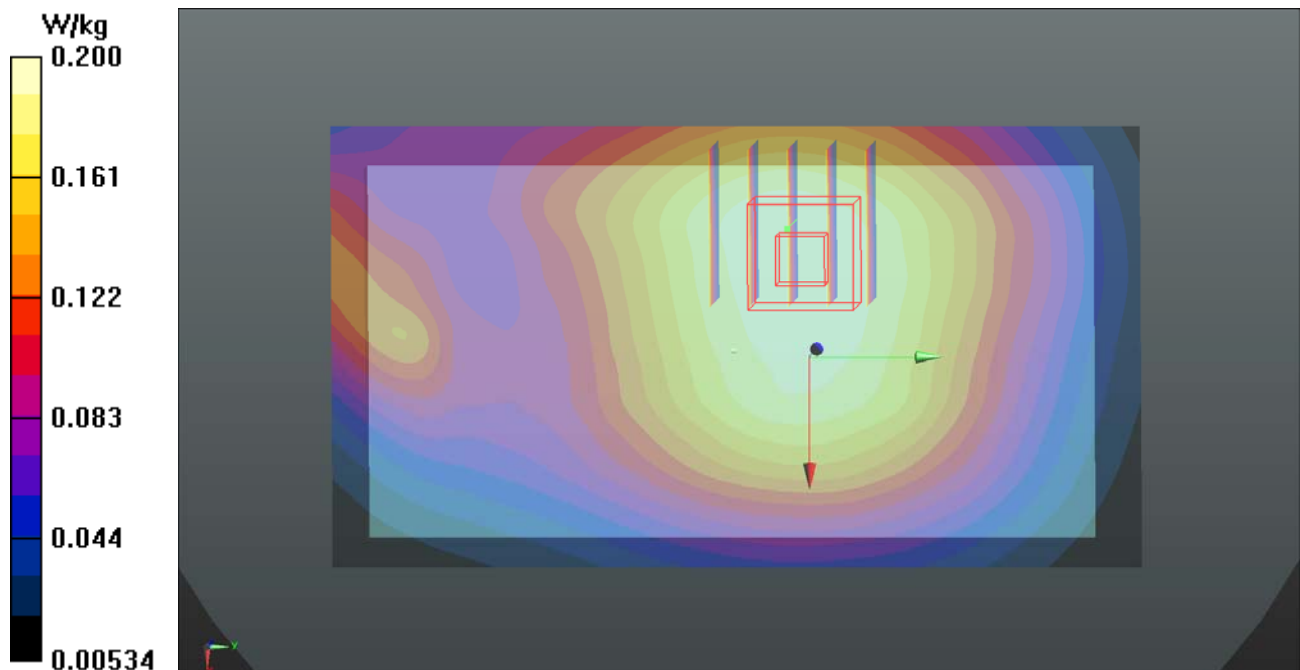
**P23 LTE 5\_QPSK10M\_Front Face\_1.5cm\_Ch20600\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: B07T10N1\_1120 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 1.028 \text{ S/m}$ ;  $\epsilon_r = 54.528$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8^\circ\text{C}$  ; Liquid Temperature :  $23.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.200 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $14.32 \text{ V/m}$ ; Power Drift =  $-0.00 \text{ dB}$ Peak SAR (extrapolated) =  $0.224 \text{ W/kg}$ **SAR(1 g) =  $0.163 \text{ W/kg}$ ; SAR(10 g) =  $0.125 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.200 \text{ W/kg}$ 



**P24 LTE 7\_QPSK20M\_Front Face\_1.5cm\_Ch21100\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: B19T27N5\_1118 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.094$  S/m;  $\epsilon_r = 51.052$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.558 W/kg

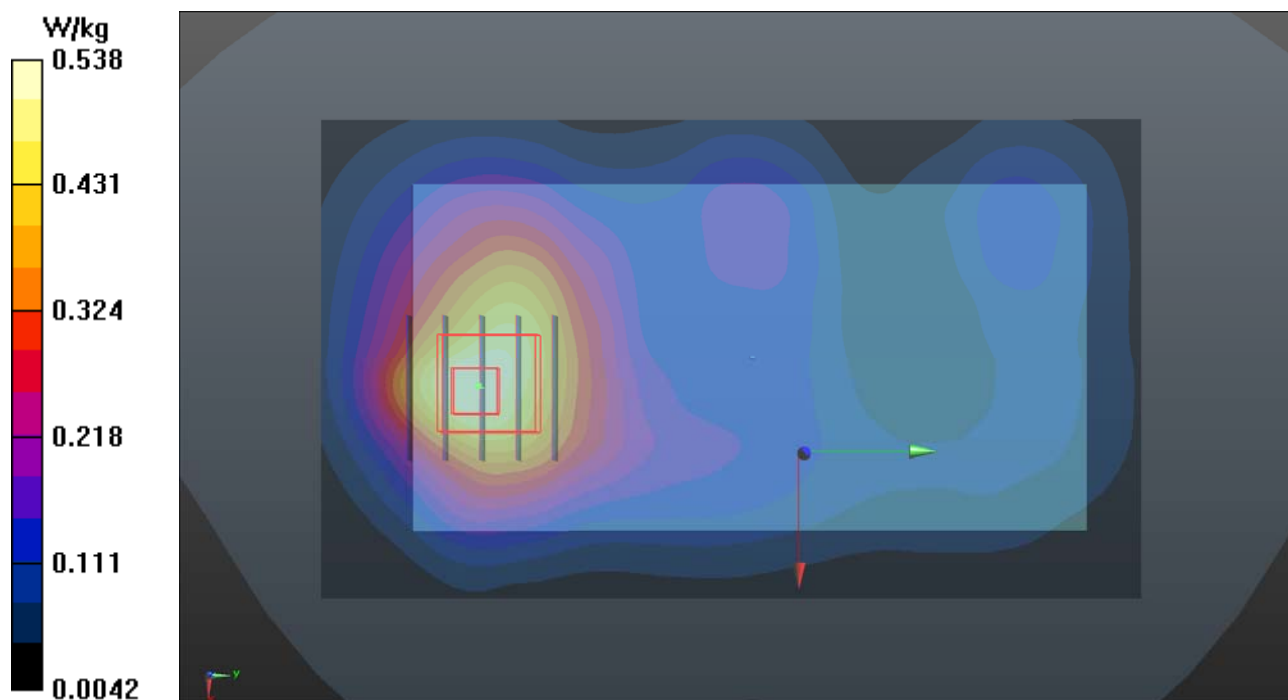
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.86 V/m; Power Drift = 0.02 dB

Peak SAR (extrapolated) = 0.647 W/kg

**SAR(1 g) = 0.369 W/kg; SAR(10 g) = 0.216 W/kg**

Maximum value of SAR (measured) = 0.538 W/kg



**P25 LTE 12\_QPSK10M\_Front Face\_1.5cm\_Ch23130\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_1120 Medium parameters used:  $f = 711$  MHz;  $\sigma = 0.922$  S/m;  $\epsilon_r = 53.502$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.295 W/kg

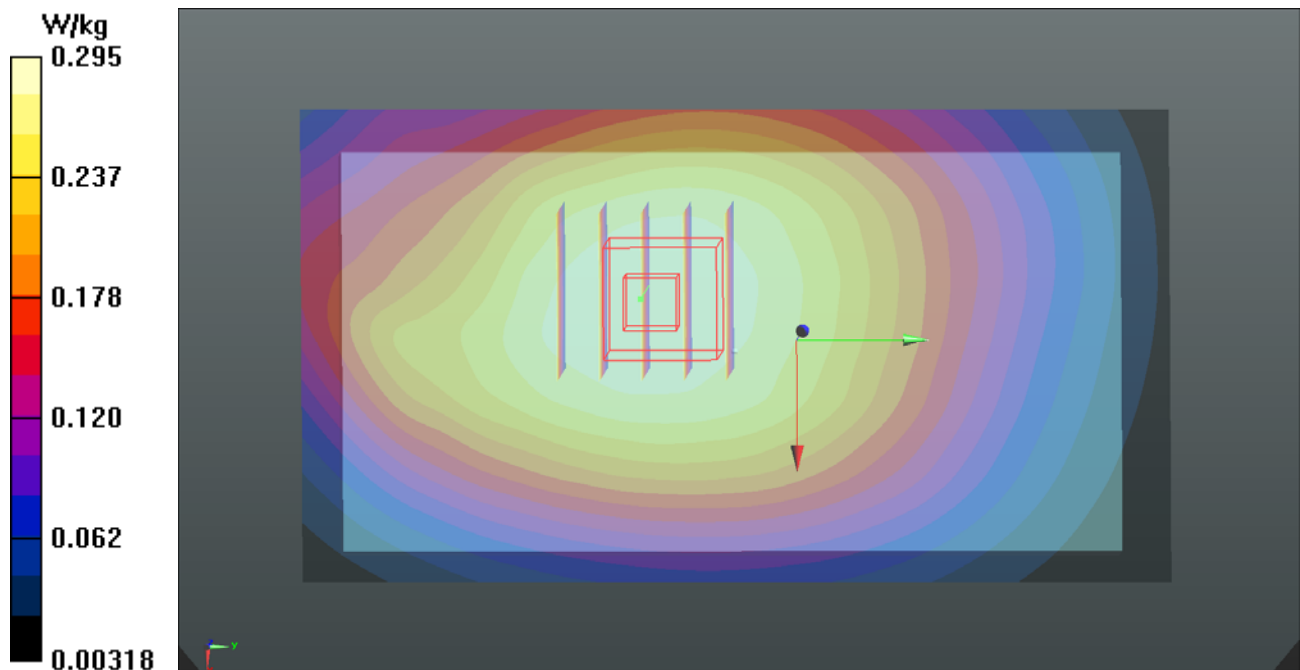
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 18.28 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 0.322 W/kg

**SAR(1 g) = 0.245 W/kg; SAR(10 g) = 0.195 W/kg**

Maximum value of SAR (measured) = 0.291 W/kg



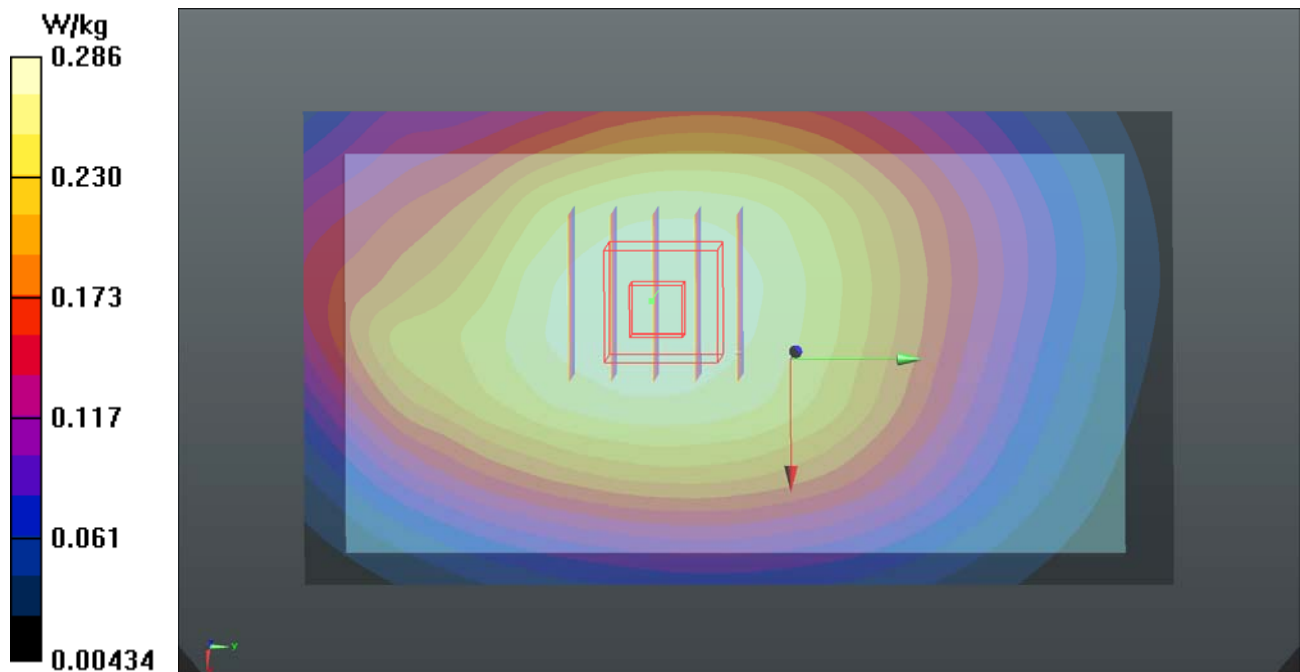
**P26 LTE 17\_QPSK10M\_Front Face\_1.5cm\_Ch23780\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_1120 Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 53.515$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8^\circ\text{C}$  ; Liquid Temperature :  $23.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.286 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $17.90 \text{ V/m}$ ; Power Drift =  $0.02 \text{ dB}$ Peak SAR (extrapolated) =  $0.318 \text{ W/kg}$ **SAR(1 g) =  $0.240 \text{ W/kg}$ ; SAR(10 g) =  $0.191 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.287 \text{ W/kg}$ 

**P27 WLAN2.4G\_802.11b\_Front Face\_1.5cm\_Ch11****DUT: 171102C30**

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B19T27N2\_1128 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.034$  S/m;  $\epsilon_r = 50.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.0430 W/kg

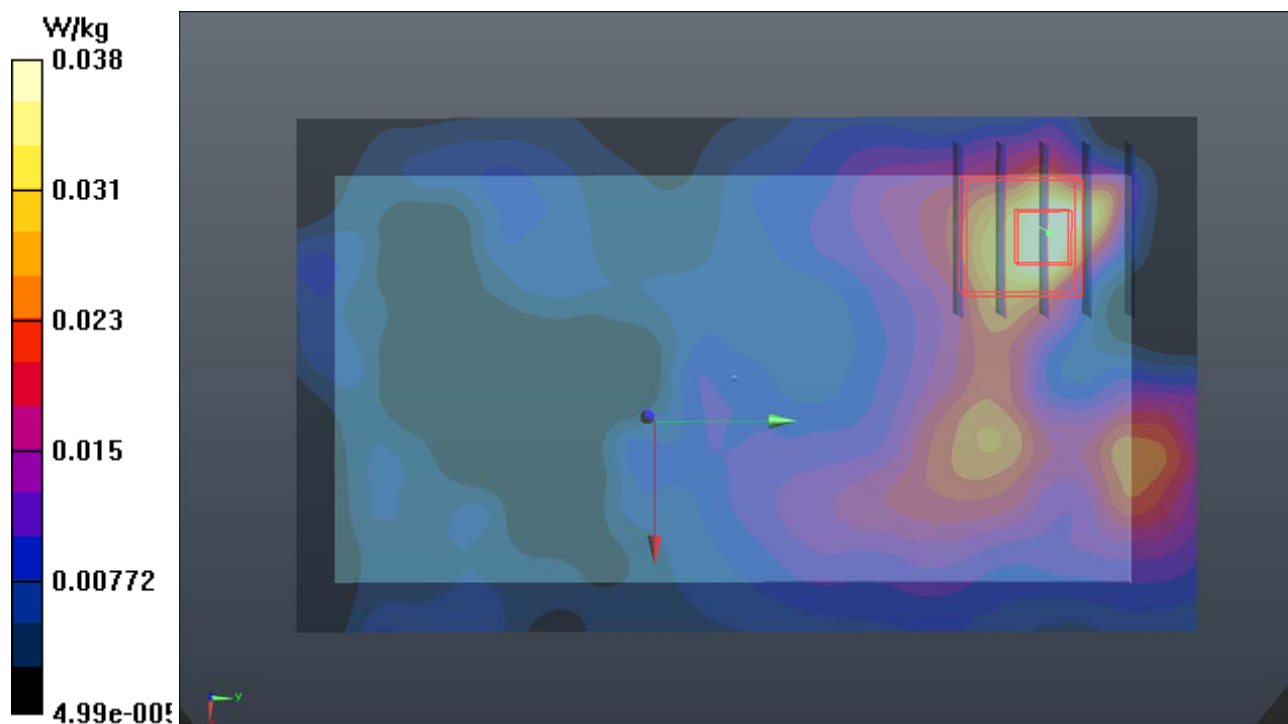
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 4.096 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.0480 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.013 W/kg**

Maximum value of SAR (measured) = 0.0384 W/kg



**P28 WLAN5G\_802.11ac VH80\_Front Face\_1.5cm\_Ch58****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.379$  S/m;  $\epsilon_r = 49.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.57, 4.57, 4.57); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.0558 W/kg

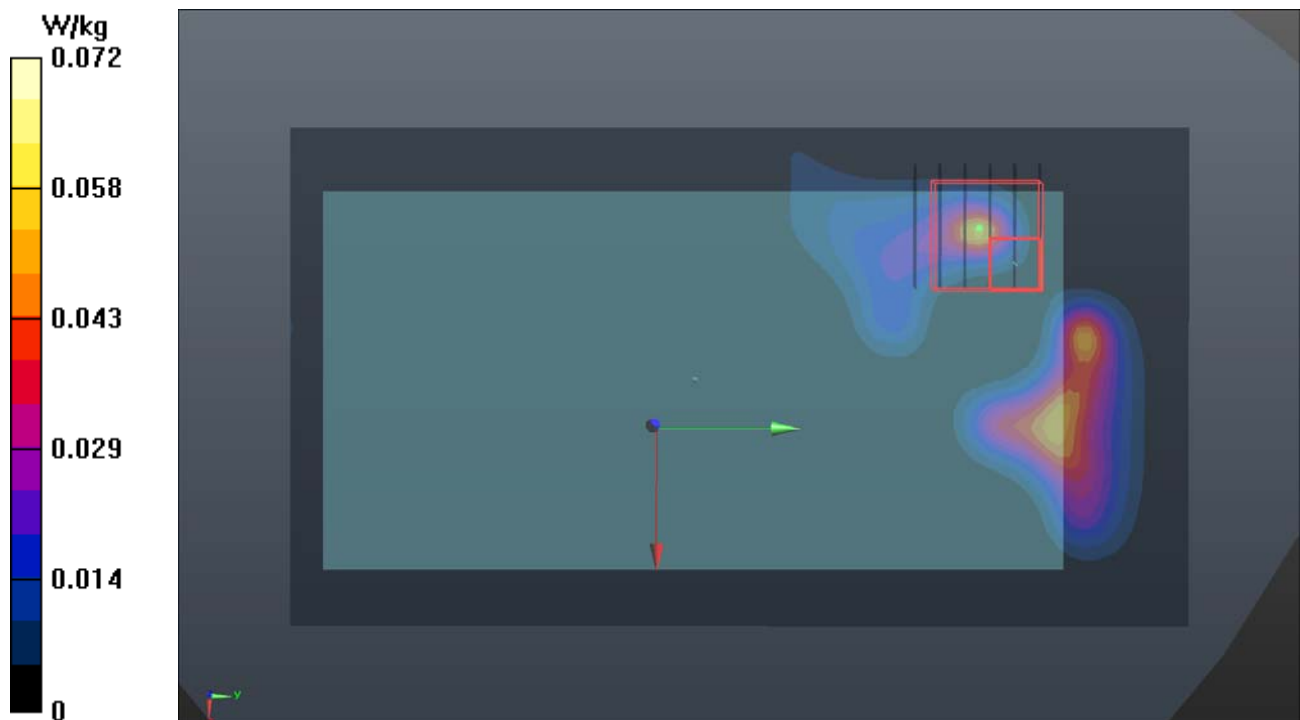
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.430 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.136 W/kg

**SAR(1 g) = 0.025 W/kg; SAR(10 g) = 0.00762 W/kg**

Maximum value of SAR (measured) = 0.0723 W/kg



**P29 WLAN5G\_802.11ac VH80\_Front Face\_1.5cm\_Ch106****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5530 MHz; Duty Cycle: 1:1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.689$  S/m;  $\epsilon_r = 48.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.103 W/kg

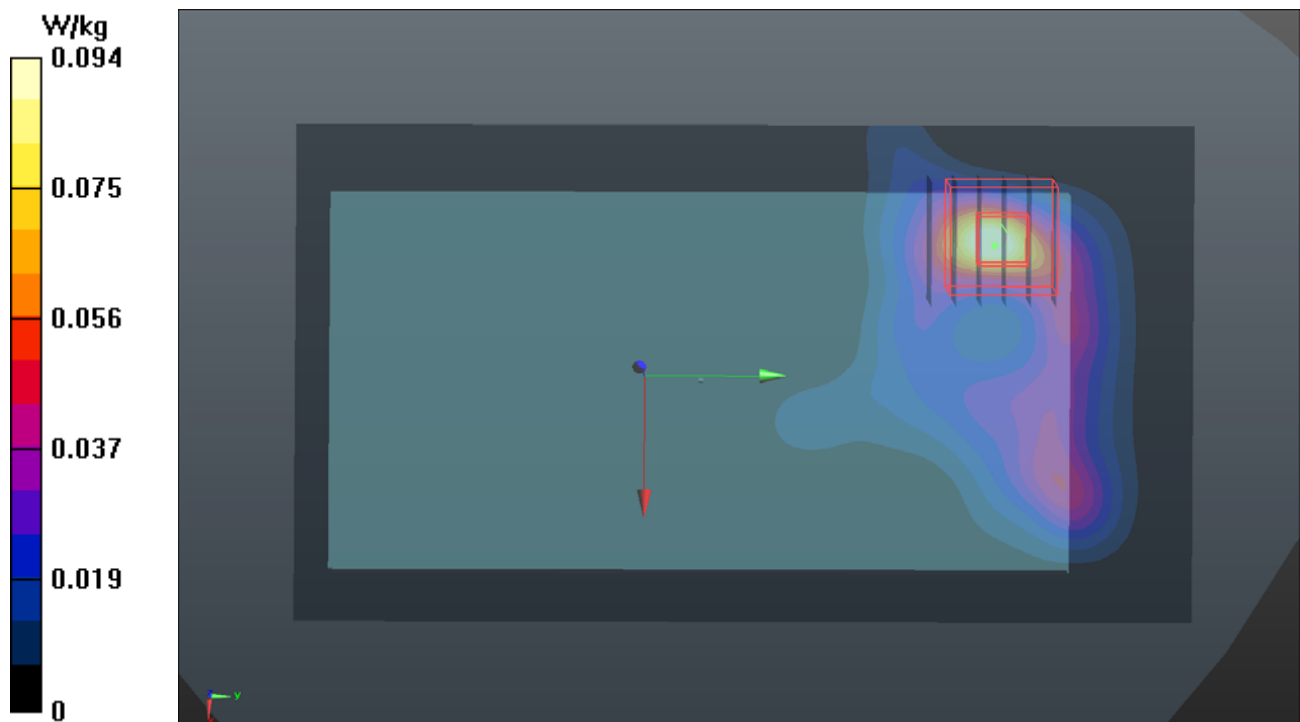
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.964 V/m; Power Drift = 0.19 dB

Peak SAR (extrapolated) = 0.177 W/kg

**SAR(1 g) = 0.028 W/kg; SAR(10 g) = 0.00949 W/kg**

Maximum value of SAR (measured) = 0.0936 W/kg



**P30 WLAN5G\_802.11ac VH80\_Front Face\_1.5cm\_Ch155****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 6.034$  S/m;  $\epsilon_r = 48.389$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.08, 4.08, 4.08); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.0566 W/kg

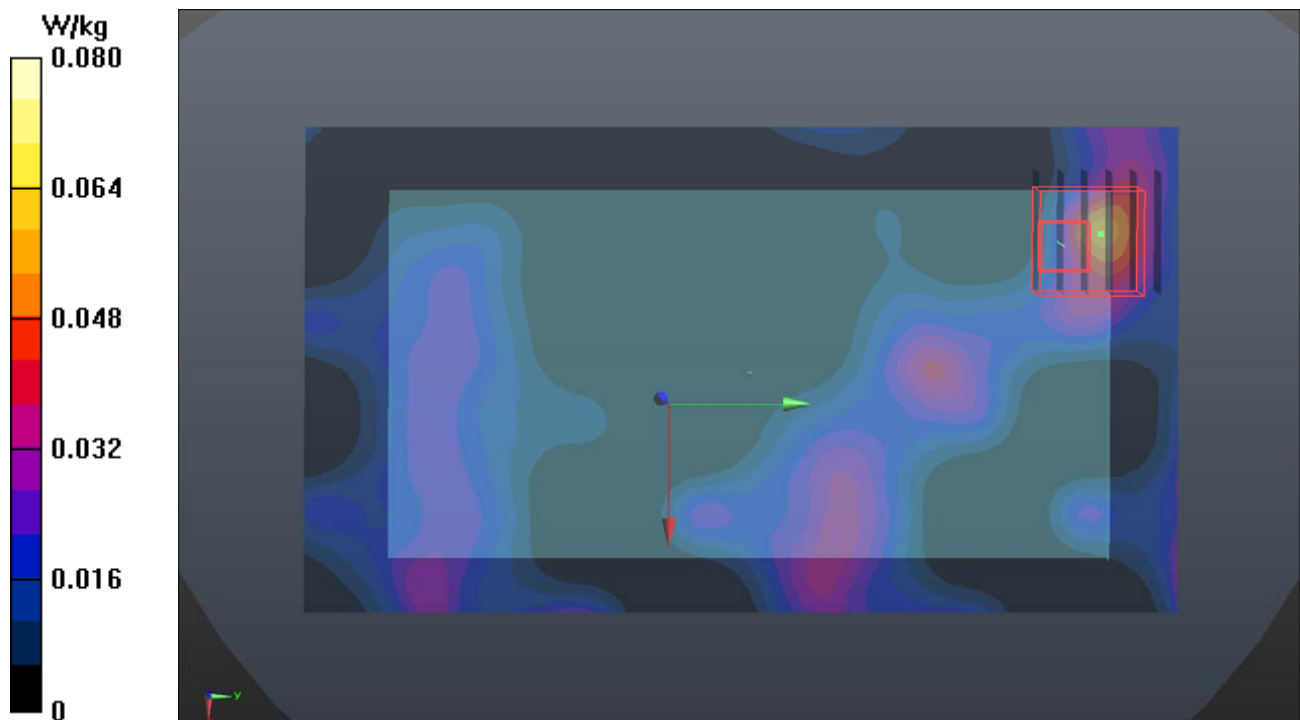
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 3.671 V/m; Power Drift = -0.14 dB

Peak SAR (extrapolated) = 0.153 W/kg

**SAR(1 g) = 0.023 W/kg; SAR(10 g) = 0.00728 W/kg**

Maximum value of SAR (measured) = 0.0797 W/kg



**P31 BT\_BR\_Front Face\_1.5cm\_Ch0****DUT: 171102C30**

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: B19T27N2\_1128 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.966$  S/m;  $\epsilon_r = 50.678$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.000336 W/kg

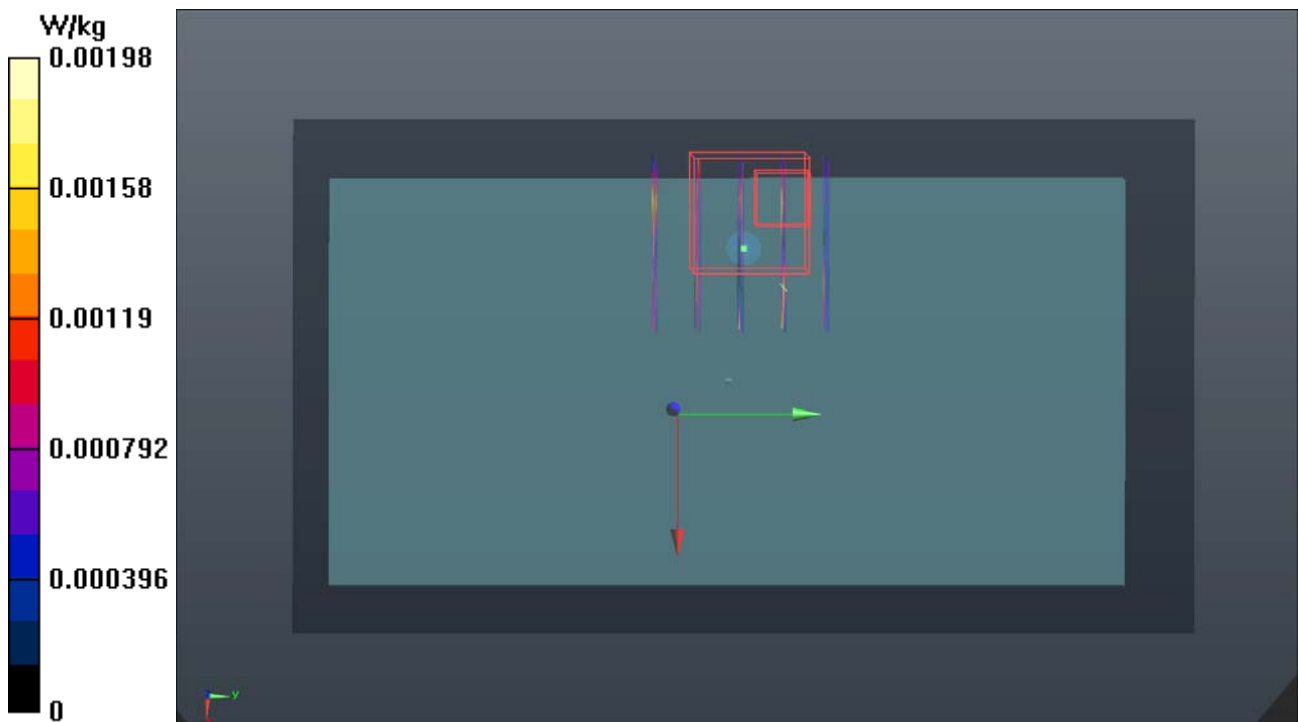
- **Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 0.5640 V/m; Power Drift = 0.09 dB

Peak SAR (extrapolated) = 0.00165 W/kg

**SAR(1 g) = 0.000201 W/kg; SAR(10 g) = 2.65e-005 W/kg**

Maximum value of SAR (measured) = 0.00198 W/kg





**P32 GSM850\_GPRS8\_Front Face\_1cm\_Ch189\_Ant1\_Reduction\_w\_o****DUT: 171102C30**

Communication System: GPRS8; Frequency: 836.4 MHz; Duty Cycle: 1:8.3

Medium: B07T10N1\_1118 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 1.018$  S/m;  $\epsilon_r = 57.255$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.263 W/kg

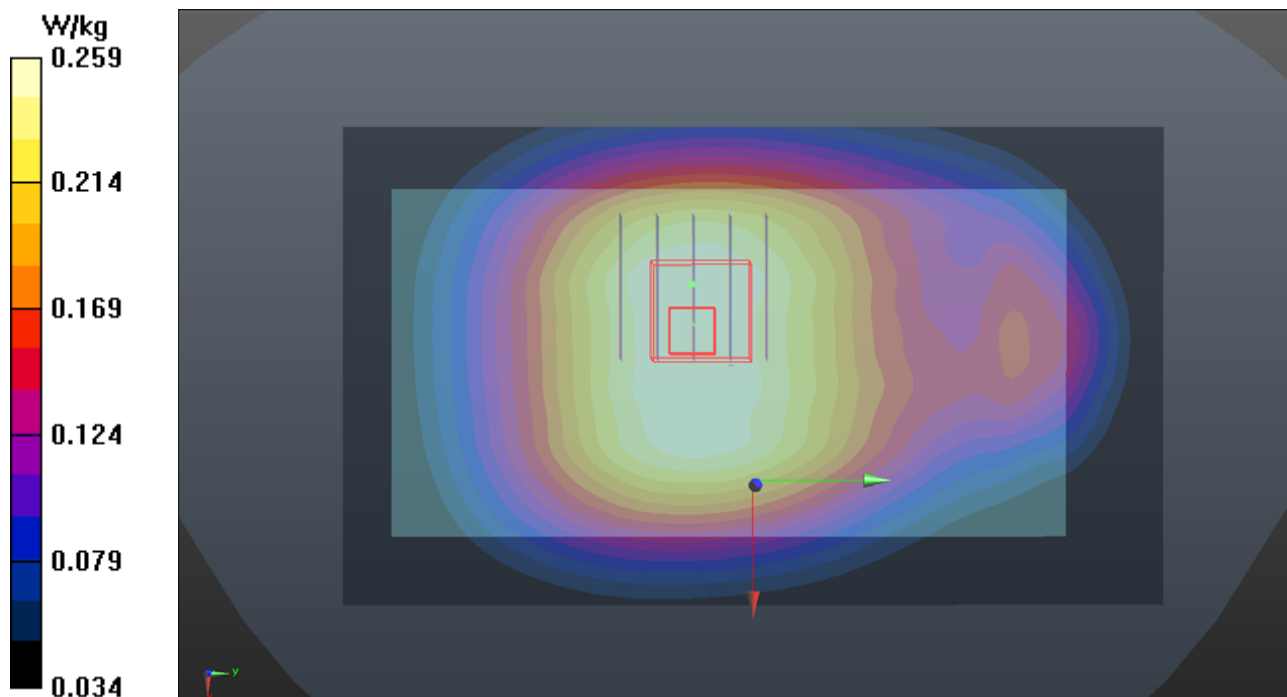
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.41 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 0.289 W/kg

**SAR(1 g) = 0.211 W/kg; SAR(10 g) = 0.163 W/kg**

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



**P33 GSM1900\_GPRS8\_Bottom Side\_1cm\_Ch810\_Ant0\_Reduction\_w****DUT: 171102C30**

Communication System: GPRS8; Frequency: 1909.8 MHz; Duty Cycle: 1:8.3

Medium: B16T20N1\_1124 Medium parameters used:  $f = 1910$  MHz;  $\sigma = 1.564$  S/m;  $\epsilon_r = 51.441$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8, 8, 8); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.76 W/kg

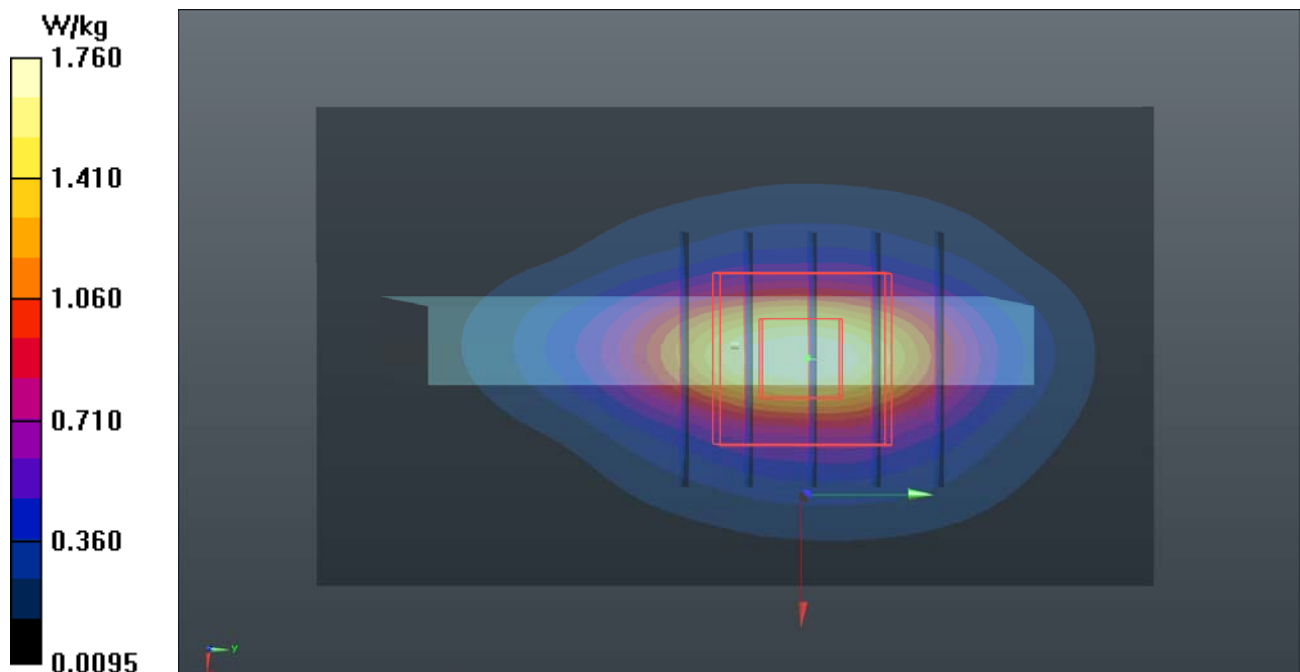
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 34.48 V/m; Power Drift = -0.02 dB

Peak SAR (extrapolated) = 2.00 W/kg

**SAR(1 g) = 1.17 W/kg; SAR(10 g) = 0.621 W/kg**

Maximum value of SAR (measured) = 1.73 W/kg



**P34 WCDMA II\_RMC12.2K\_Bottom Side\_1cm\_Ch9538\_Ant0\_Reduction\_w****DUT: 171102C30**

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

Medium: B16T20N1\_1124 Medium parameters used:  $f = 1908$  MHz;  $\sigma = 1.562$  S/m;  $\epsilon_r = 51.45$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

**DASY5 Configuration:**

- Probe: EX3DV4 - SN3650; ConvF(8, 8, 8); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.81 W/kg

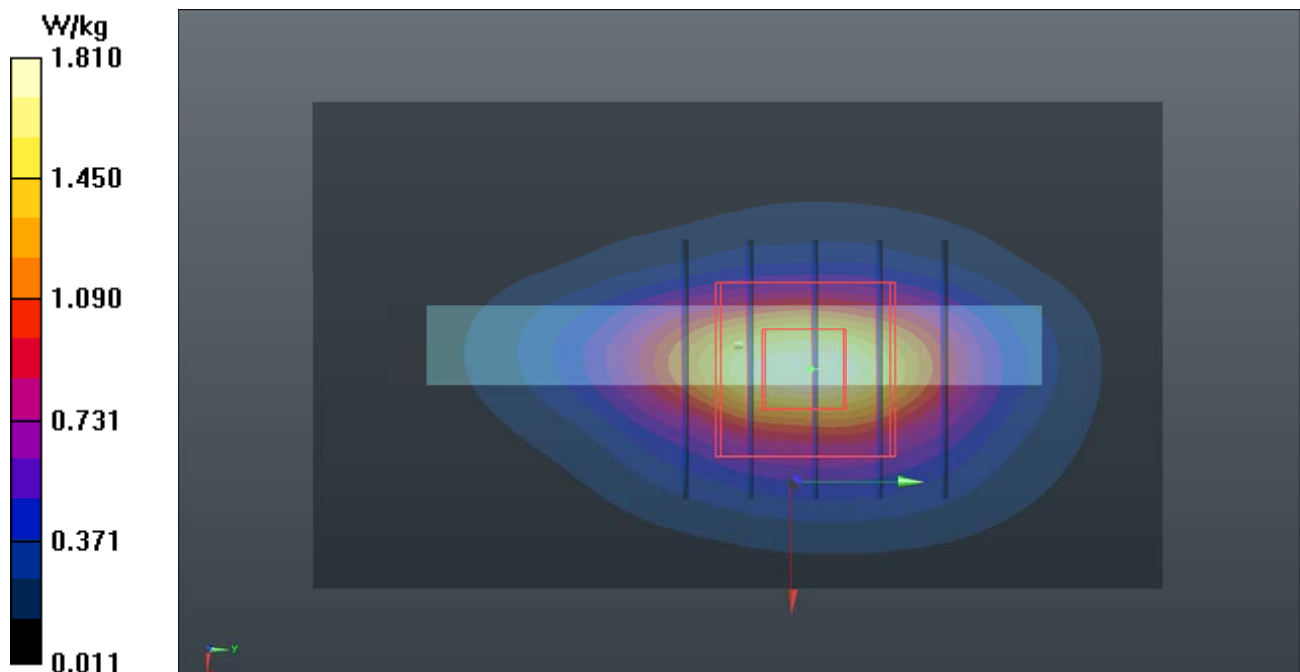
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 33.56 V/m; Power Drift = -0.03 dB

Peak SAR (extrapolated) = 2.05 W/kg

**SAR(1 g) = 1.18 W/kg; SAR(10 g) = 0.626 W/kg**

Maximum value of SAR (measured) = 1.76 W/kg



**P35 WCDMA IV\_RMC12.2K\_Bottom Side\_1cm\_Ch1312\_Ant0\_Reduction\_w****DUT: 171102C30**

Communication System: WCDMA; Frequency: 1712.4 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1124 Medium parameters used:  $f = 1712.4$  MHz;  $\sigma = 1.402$  S/m;  $\epsilon_r = 51.759$ ;  $\rho = 1000$  kg/m<sup>3</sup>

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

DASY5 Configuration:

- Probe: EX3DV4 - SN3650; ConvF(8.27, 8.27, 8.27); Calibrated: 2017/07/24;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE4 Sn1277; Calibrated: 2017/07/20
- Phantom: Twin SAM Phantom\_1822; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.69 W/kg

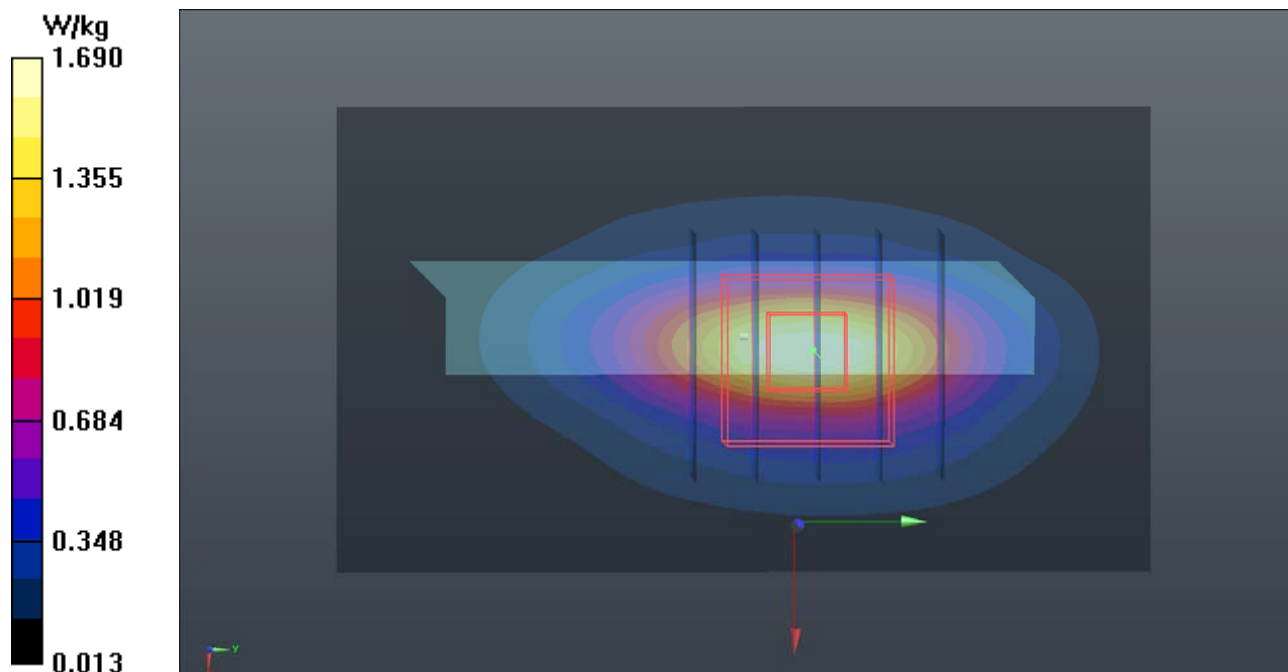
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 35.96 V/m; Power Drift = -0.15 dB

Peak SAR (extrapolated) = 1.87 W/kg

**SAR(1 g) = 1.11 W/kg; SAR(10 g) = 0.602 W/kg**

Maximum value of SAR (measured) = 1.63 W/kg



**P36 WCDMA V\_RMC12.2K\_Bottom Side\_1cm\_Ch4182\_Ant0\_Reduction\_w\_o****DUT: 171102C30**

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

Medium: B07T10N1\_1120 Medium parameters used:  $f = 836.4$  MHz;  $\sigma = 1.02$  S/m;  $\epsilon_r = 54.598$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.8 °C ; Liquid Temperature : 23.6 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

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

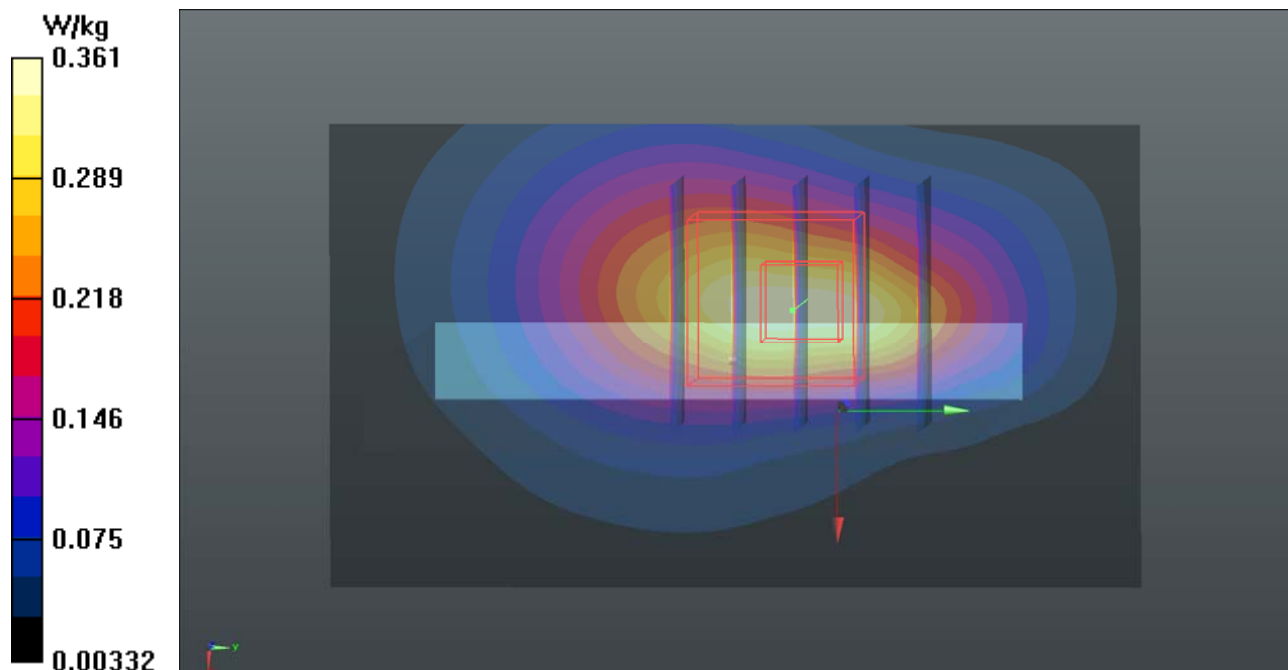
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 16.95 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 0.541 W/kg

**SAR(1 g) = 0.261 W/kg; SAR(10 g) = 0.141 W/kg**

Maximum value of SAR (measured) = 0.426 W/kg



**P37 LTE 2\_QPSK20M\_Bottom Side\_1cm\_Ch18700\_Ant0\_Reduction\_w\_1RB\_OS0****DUT: 171102C30**

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

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1860$  MHz;  $\sigma = 1.543$  S/m;  $\epsilon_r = 51.706$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.62, 7.62, 7.62); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.69 W/kg

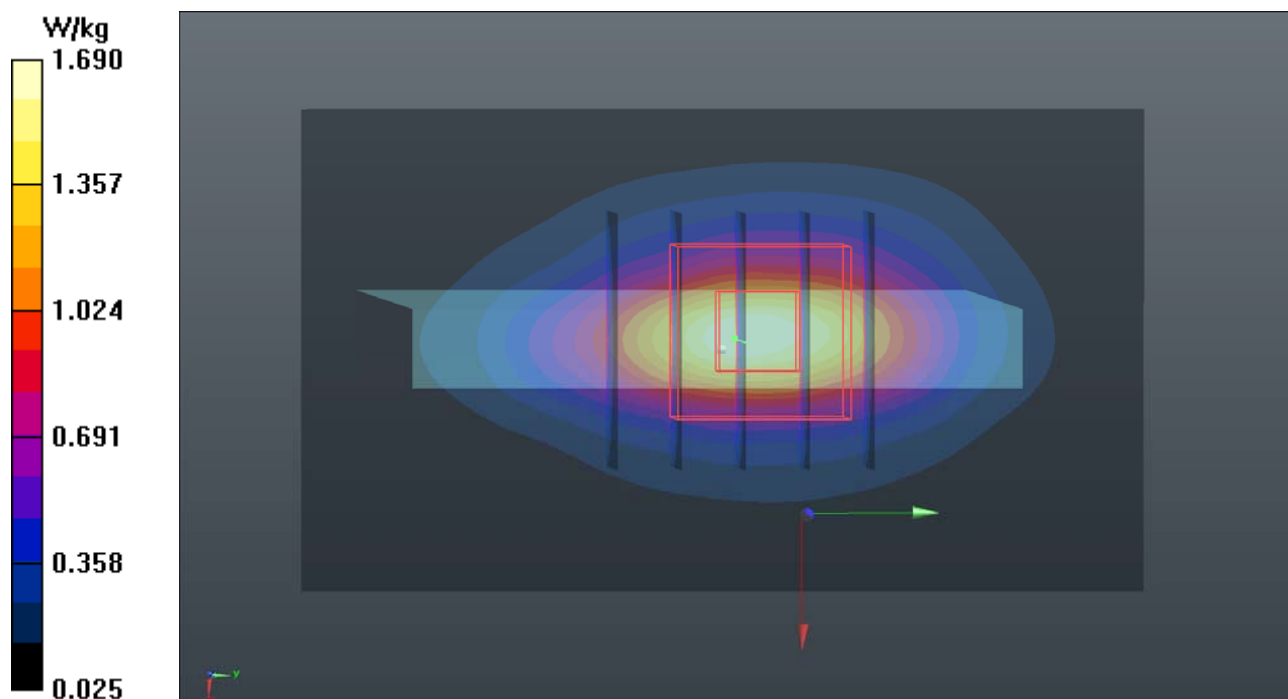
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 32.94 V/m; Power Drift = 0.13 dB

Peak SAR (extrapolated) = 2.03 W/kg

**SAR(1 g) = 1.13 W/kg; SAR(10 g) = 0.594 W/kg**

Maximum value of SAR (measured) = 1.69 W/kg



**P38 LTE 4\_QPSK20M\_Bottom Side\_1cm\_Ch20050\_Ant0\_Reduction\_w\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 1720 MHz; Duty Cycle: 1:1

Medium: B16T20N1\_1118 Medium parameters used:  $f = 1720$  MHz;  $\sigma = 1.404$  S/m;  $\epsilon_r = 52.124$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(8.22, 8.22, 8.22); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid: dx=1.500 mm, dy=1.500 mm

Maximum value of SAR (interpolated) = 1.44 W/kg

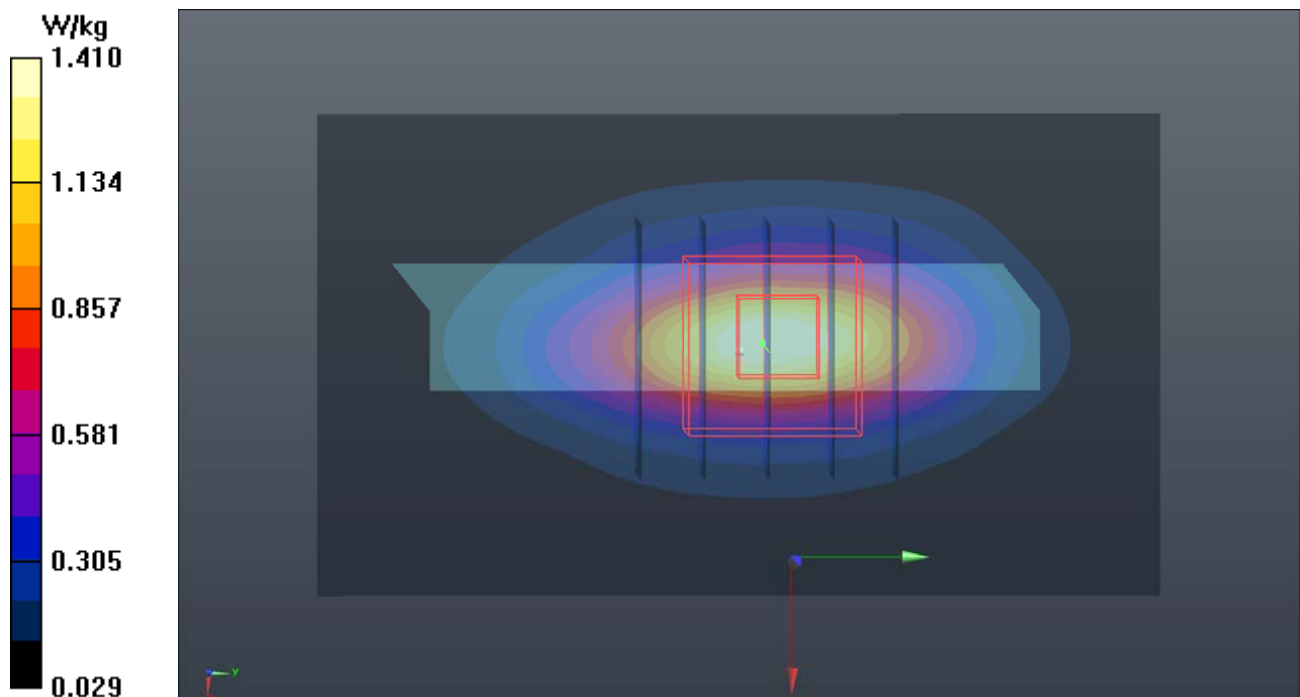
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 31.91 V/m; Power Drift = 0.06 dB

Peak SAR (extrapolated) = 1.68 W/kg

**SAR(1 g) = 0.950 W/kg; SAR(10 g) = 0.506 W/kg**

Maximum value of SAR (measured) = 1.41 W/kg



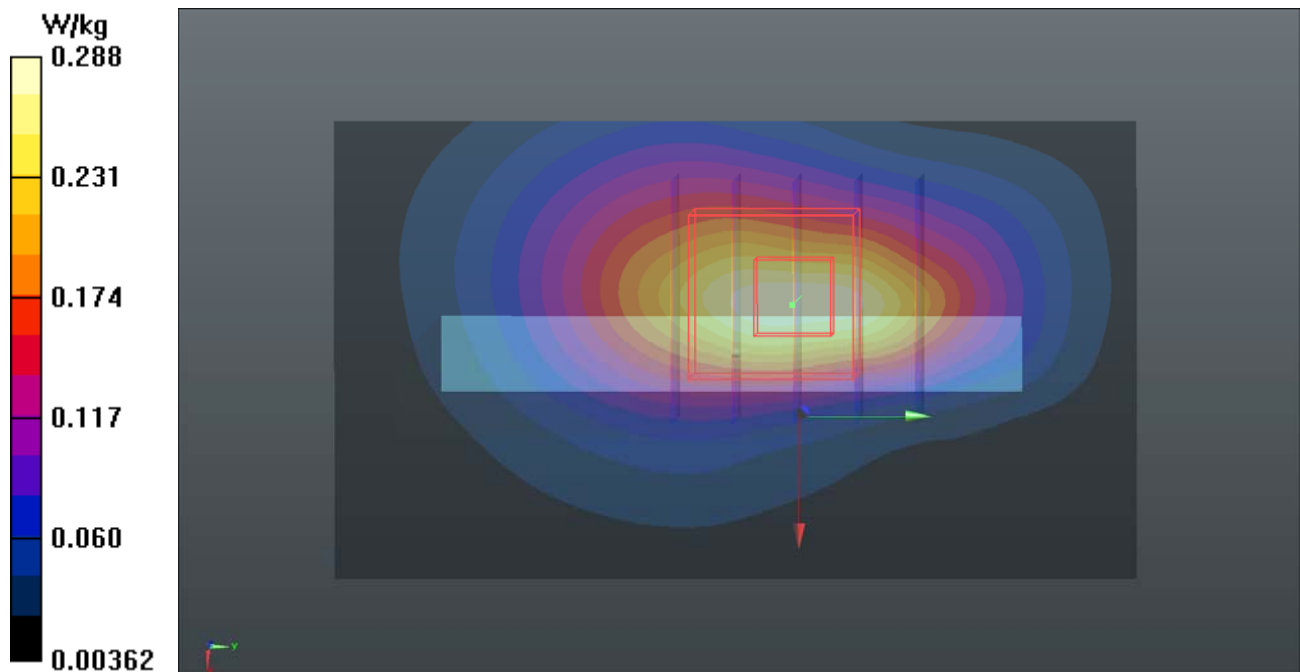
**P39 LTE 5\_QPSK10M\_Bottom Side\_1cm\_Ch20600\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: B07T10N1\_1120 Medium parameters used:  $f = 844 \text{ MHz}$ ;  $\sigma = 1.028 \text{ S/m}$ ;  $\epsilon_r = 54.528$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8^\circ\text{C}$  ; Liquid Temperature :  $23.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (41x71x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.288 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $15.13 \text{ V/m}$ ; Power Drift =  $0.11 \text{ dB}$ Peak SAR (extrapolated) =  $0.425 \text{ W/kg}$ **SAR(1 g) =  $0.207 \text{ W/kg}$ ; SAR(10 g) =  $0.112 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.335 \text{ W/kg}$ 



**P40 LTE 7\_QPSK20M\_Front Face\_1cm\_Ch21100\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

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

Medium: B19T27N5\_1118 Medium parameters used:  $f = 2535$  MHz;  $\sigma = 2.094$  S/m;  $\epsilon_r = 51.052$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.7 °C ; Liquid Temperature : 23.3 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 1.26 W/kg

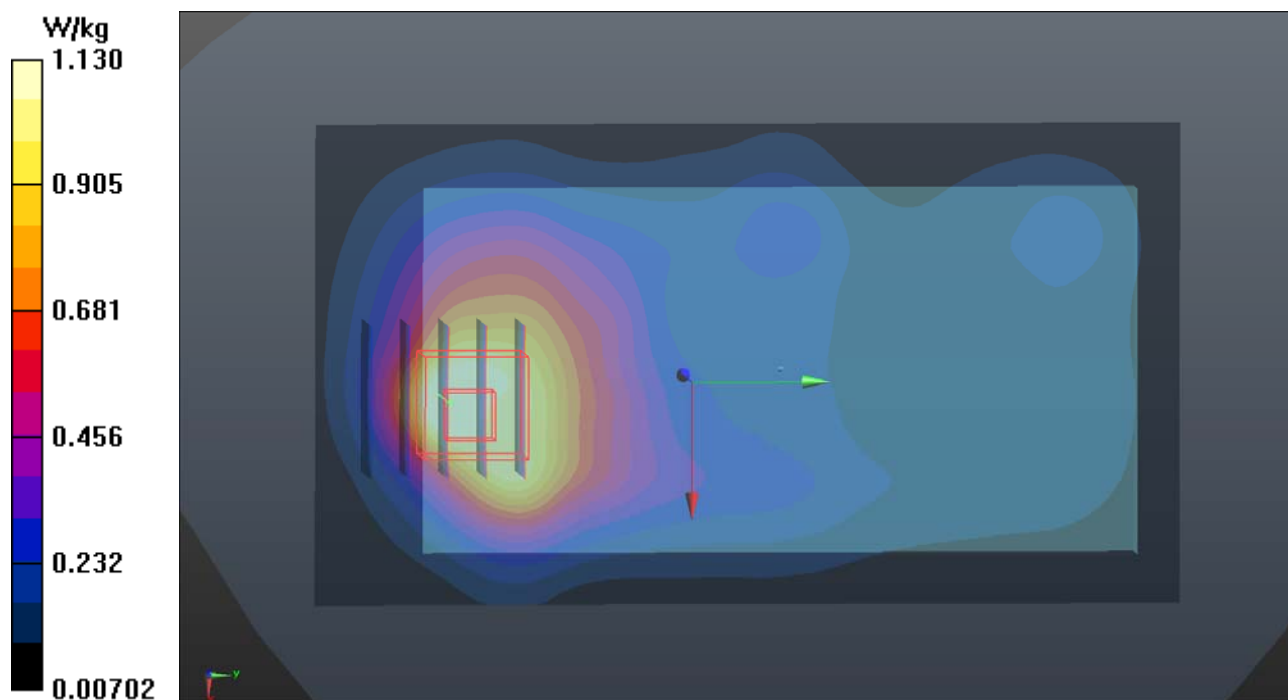
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 23.26 V/m; Power Drift = -0.01 dB

Peak SAR (extrapolated) = 1.43 W/kg

**SAR(1 g) = 0.787 W/kg; SAR(10 g) = 0.448 W/kg**

Maximum value of SAR (measured) = 1.13 W/kg



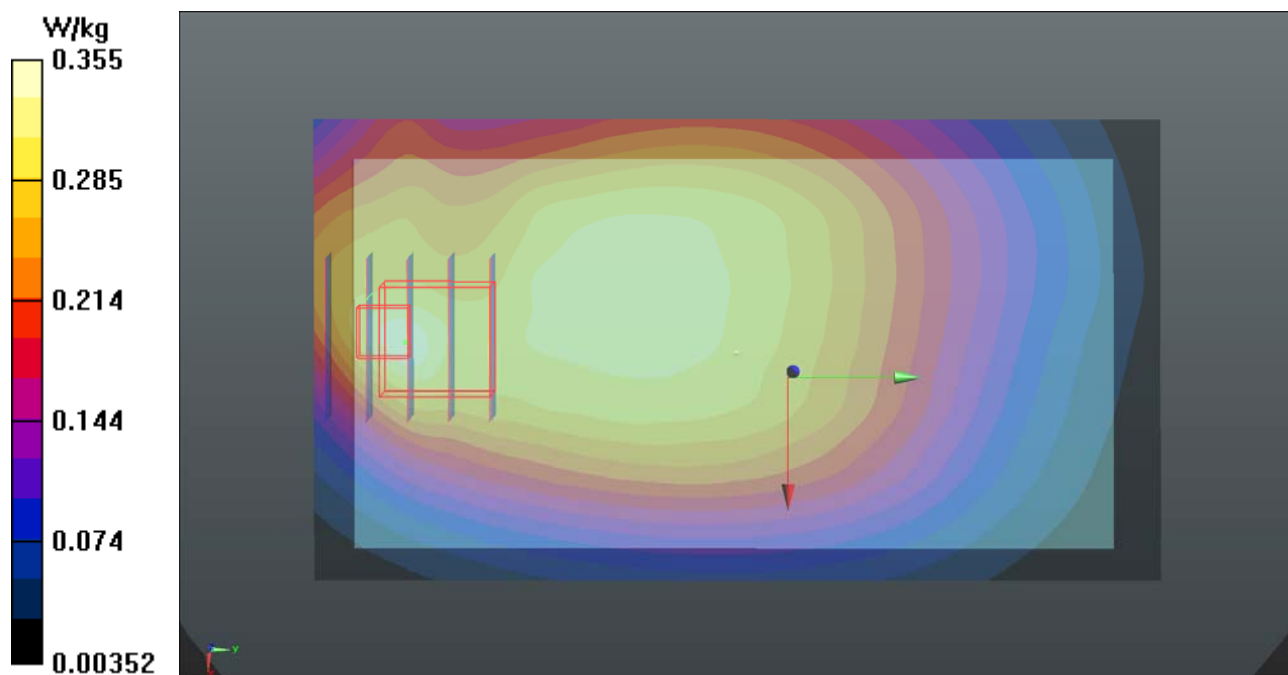
**P41 LTE 12\_QPSK10M\_Front Face\_1cm\_Ch23130\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 711 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_1120 Medium parameters used:  $f = 711 \text{ MHz}$ ;  $\sigma = 0.922 \text{ S/m}$ ;  $\epsilon_r = 53.502$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8^\circ\text{C}$  ; Liquid Temperature :  $23.6^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.355 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $19.86 \text{ V/m}$ ; Power Drift =  $-0.03 \text{ dB}$ Peak SAR (extrapolated) =  $0.429 \text{ W/kg}$ **SAR(1 g) =  $0.234 \text{ W/kg}$ ; SAR(10 g) =  $0.158 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.350 \text{ W/kg}$ 

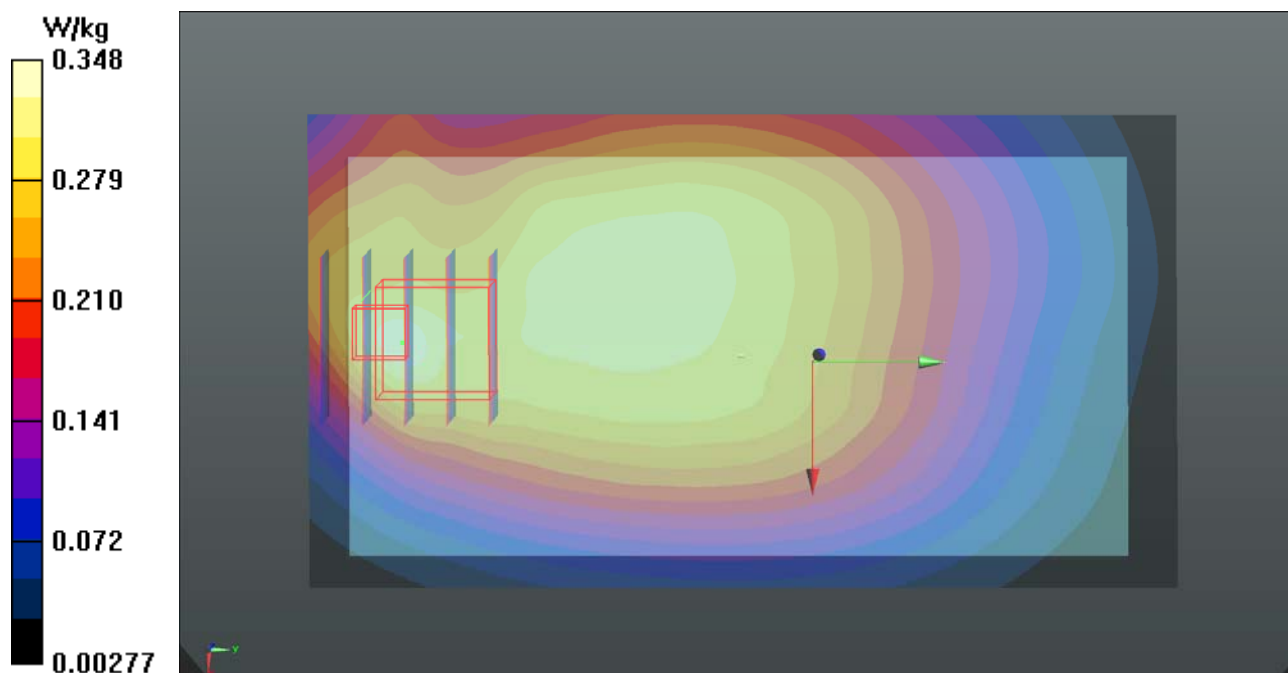
**P42 LTE 17\_QPSK10M\_Front Face\_1cm\_Ch23780\_Ant0\_Reduction\_w\_o\_1RB\_OS0****DUT: 171102C30**

Communication System: LTE; Frequency: 709 MHz; Duty Cycle: 1:1

Medium: B06T09N1\_1120 Medium parameters used:  $f = 709 \text{ MHz}$ ;  $\sigma = 0.92 \text{ S/m}$ ;  $\epsilon_r = 53.515$ ;  $\rho = 1000 \text{ kg/m}^3$ Ambient Temperature :  $23.8 \text{ }^\circ\text{C}$  ; Liquid Temperature :  $23.6 \text{ }^\circ\text{C}$ 

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(9.94, 9.94, 9.94); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1652; Type: QD000P40;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

**- Area Scan (61x111x1):** Interpolated grid:  $dx=1.500 \text{ mm}$ ,  $dy=1.500 \text{ mm}$ Maximum value of SAR (interpolated) =  $0.348 \text{ W/kg}$ **- Zoom Scan (5x5x7)/Cube 0:** Measurement grid:  $dx=8\text{mm}$ ,  $dy=8\text{mm}$ ,  $dz=5\text{mm}$ Reference Value =  $19.60 \text{ V/m}$ ; Power Drift =  $-0.01 \text{ dB}$ Peak SAR (extrapolated) =  $0.426 \text{ W/kg}$ **SAR(1 g) =  $0.230 \text{ W/kg}$ ; SAR(10 g) =  $0.155 \text{ W/kg}$** Maximum value of SAR (measured) =  $0.345 \text{ W/kg}$ 

**P43 WLAN2.4G\_802.11b\_Front Face\_1cm\_Ch11****DUT: 171102C30**

Communication System: WLAN\_2.4G; Frequency: 2462 MHz; Duty Cycle: 1:1

Medium: B19T27N2\_1128 Medium parameters used:  $f = 2462$  MHz;  $\sigma = 2.034$  S/m;  $\epsilon_r = 50.526$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

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

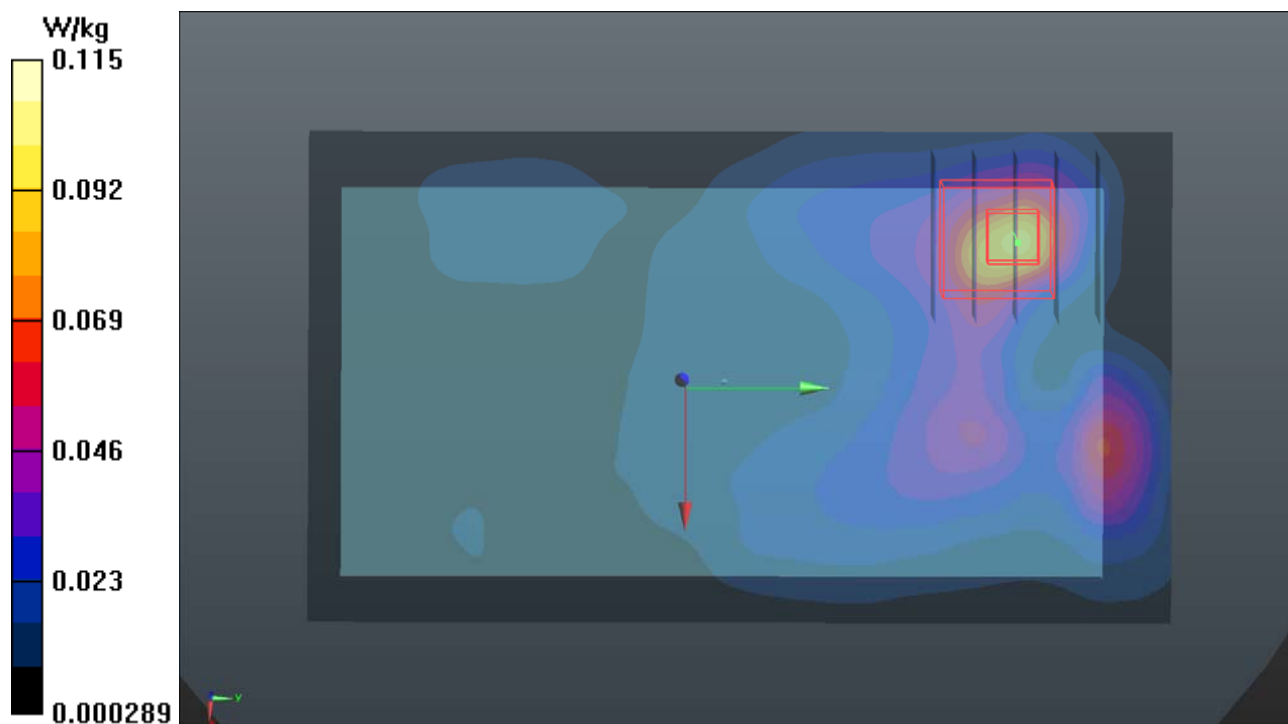
**- Zoom Scan (5x5x7)/Cube 0:** Measurement grid: dx=8mm, dy=8mm, dz=5mm

Reference Value = 7.029 V/m; Power Drift = 0.08 dB

Peak SAR (extrapolated) = 0.143 W/kg

**SAR(1 g) = 0.068 W/kg; SAR(10 g) = 0.031 W/kg**

Maximum value of SAR (measured) = 0.115 W/kg



**P44 WLAN5G\_802.11ac VH80\_Front Face\_1cm\_Ch42****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5210 MHz; Duty Cycle: 1:1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5210$  MHz;  $\sigma = 5.261$  S/m;  $\epsilon_r = 49.429$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.82, 4.82, 4.82); Calibrated: 2016/11/16;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.151 W/kg

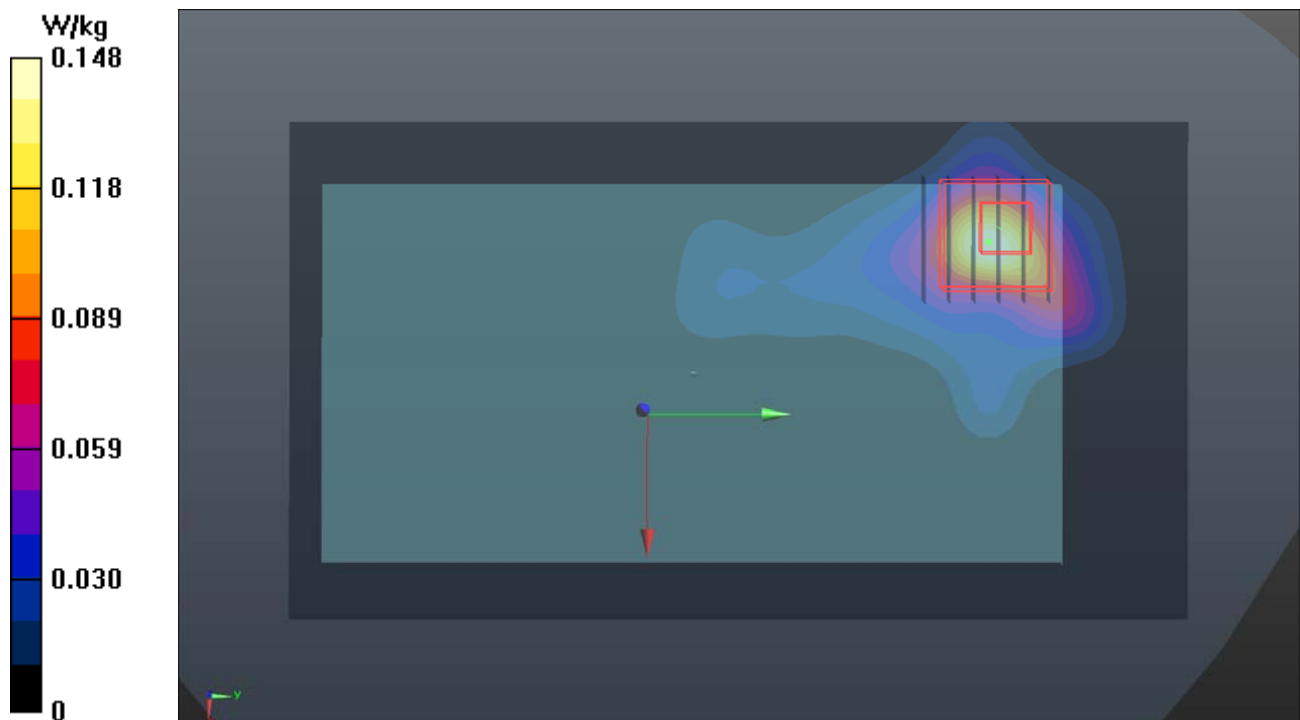
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 5.500 V/m; Power Drift = -0.04 dB

Peak SAR (extrapolated) = 0.540 W/kg

**SAR(1 g) = 0.052 W/kg; SAR(10 g) = 0.015 W/kg**

Maximum value of SAR (measured) = 0.148 W/kg



**P45 WLAN5G\_802.11ac VH80\_Front Face\_1cm\_Ch155****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5775 MHz; Duty Cycle: 1:1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5775$  MHz;  $\sigma = 6.034$  S/m;  $\epsilon_r = 48.389$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.08, 4.08, 4.08); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.107 W/kg

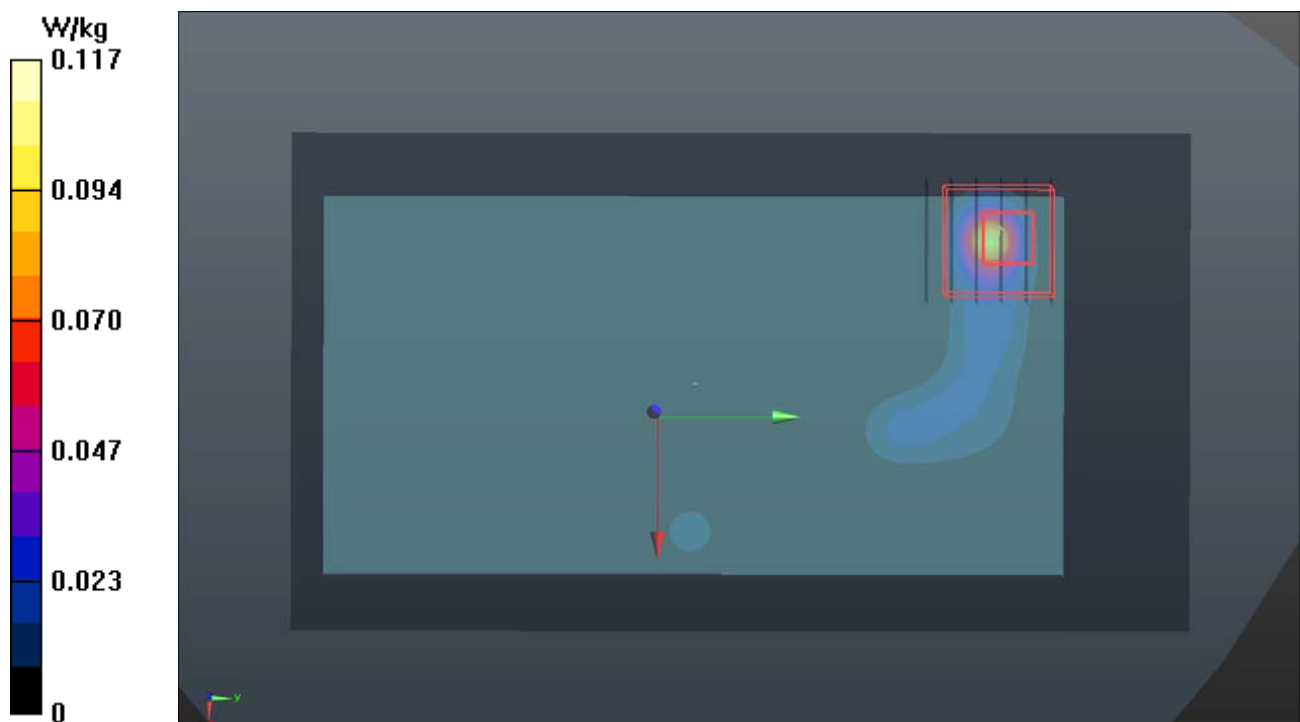
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 4.773 V/m; Power Drift = 0.11 dB

Peak SAR (extrapolated) = 0.309 W/kg

**SAR(1 g) = 0.036 W/kg; SAR(10 g) = 0.00924 W/kg**

Maximum value of SAR (measured) = 0.117 W/kg



**P46 WLAN5G\_802.11ac VH80\_Front Face\_0cm\_Ch58****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5290 MHz; Duty Cycle: 1:1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5290$  MHz;  $\sigma = 5.379$  S/m;  $\epsilon_r = 49.359$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.57, 4.57, 4.57); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.721 W/kg

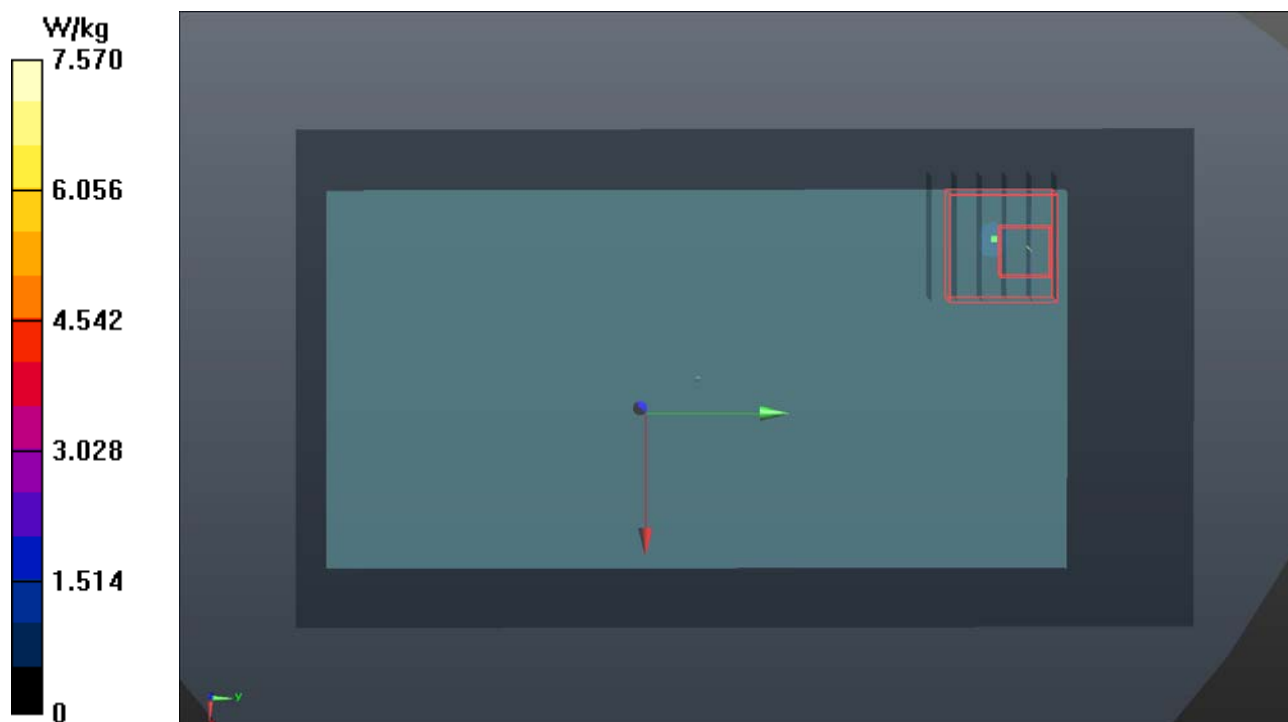
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 12.30 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 15.3 W/kg

**SAR(1 g) = 1.73 W/kg; SAR(10 g) = 0.292 W/kg**

Maximum value of SAR (measured) = 7.57 W/kg



**P47 WLAN5G\_802.11ac VH80\_Front Face\_0cm\_Ch106****DUT: 171102C30**

Communication System: WLAN\_5G; Frequency: 5530 MHz; Duty Cycle: 1

Medium: B34T60N1\_1128 Medium parameters used:  $f = 5530$  MHz;  $\sigma = 5.689$  S/m;  $\epsilon_r = 48.865$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.5 °C ; Liquid Temperature : 23.3 °C

**DASY5 Configuration:**

- Probe: EX3DV4 - SN7375; ConvF(4.2, 4.2, 4.2); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.964 W/kg

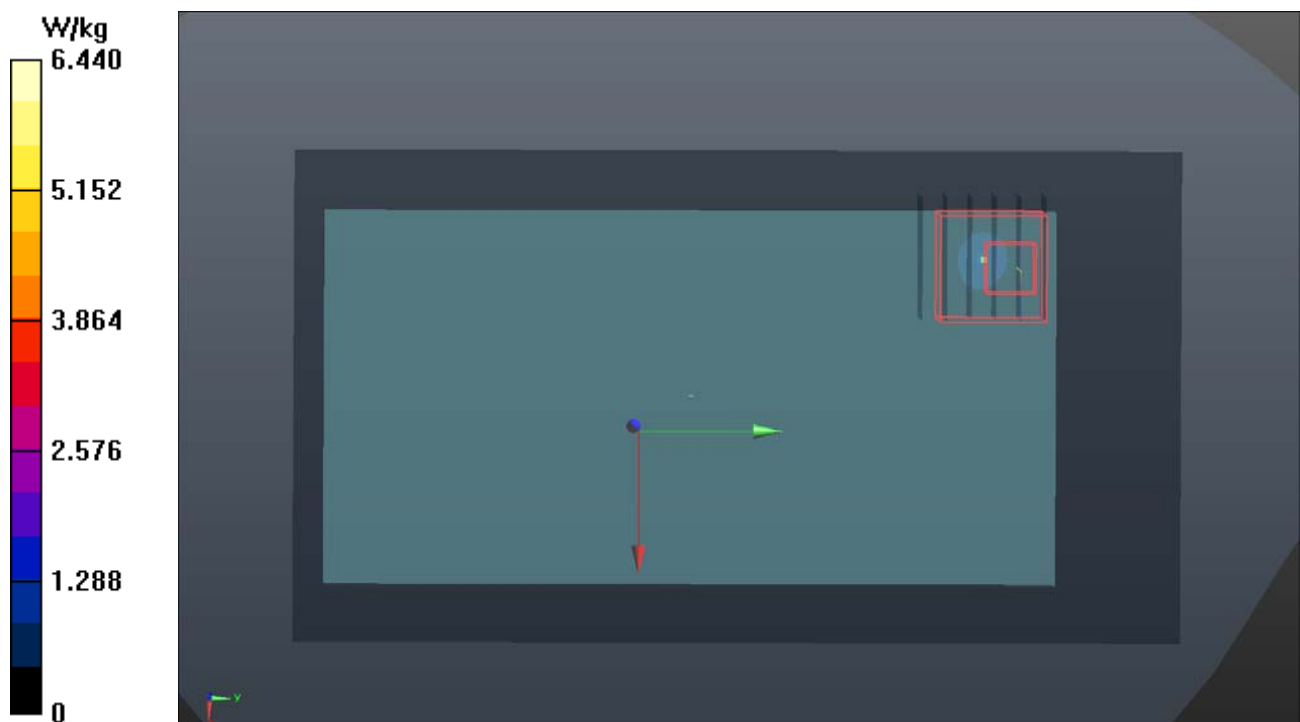
**- Zoom Scan (6x6x12)/Cube 0:** Measurement grid: dx=5mm, dy=5mm, dz=2mm

Reference Value = 14.06 V/m; Power Drift = -0.18 dB

Peak SAR (extrapolated) = 15.6 W/kg

**SAR(1 g) = 1.71 W/kg; SAR(10 g) = 0.291 W/kg**

Maximum value of SAR (measured) = 6.44 W/kg





**P48 BT\_BR\_Front Face\_0cm\_Ch0****DUT: 171102C30**

Communication System: BT; Frequency: 2402 MHz; Duty Cycle: 1:1

Medium: B19T27N2\_1128 Medium parameters used:  $f = 2402$  MHz;  $\sigma = 1.966$  S/m;  $\epsilon_r = 50.678$ ;  $\rho = 1000$  kg/m<sup>3</sup>

Ambient Temperature : 23.4 °C ; Liquid Temperature : 23.2 °C

DASY5 Configuration:

- Probe: EX3DV4 - SN7375; ConvF(7.33, 7.33, 7.33); Calibrated: 2016/12/08;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection)
- Electronics: DAE3 Sn579; Calibrated: 2017/08/17
- Phantom: Twin SAM Phantom\_1823; Type: QD000P40CD;
- Measurement SW: DASY52, Version 52.8 (8); SEMCAD X Version 14.6.10 (7373)

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

Maximum value of SAR (interpolated) = 0.00299 W/kg

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

Reference Value = 0.4560 V/m; Power Drift = 0.03 dB

Peak SAR (extrapolated) = 0.00205 W/kg

**SAR(1 g) = 0.000276 W/kg; SAR(10 g) = 6.17e-005 W/kg**

Maximum value of SAR (measured) = 0.00198 W/kg

